

*Waller County, Texas
Invitation for Bid*



*Reconstruction of Adams Flat Road
for Waller County Engineering
BID 26-011*

SUBMIT BIDS TO:

Waller County
County Judge's Office
836 Austin Street, Suite 4300
Hempstead, TX 77445

SUBMIT NO LATER THAN:

Thursday, August 6, 2026
1:00 PM (CST)

ENVELOPE TO BE LABELED:

Bid 26-011
Adams Flat Road

**ALL BIDS MUST BE RECEIVED AND TIME/DATE STAMPED BY THE COUNTY JUDGE'S OFFICE OF
WALLER COUNTY ON OR BEFORE THE SPECIFIED TIME/DATE STATED ABOVE.
BIDS RECEIVED AS REQUIRED WILL BE OPENED AND PUBLICLY READ AFTER DUE DATE.
BIDS RECEIVED AFTER THE SPECIFIED TIME WILL BE RETURNED UNOPENED.**

Results will not be given by phone. Results will be provided to bidder in writing after Commissioners Court award. Requests for information must be in writing and directed to Jaime Kovar, Purchasing Director, j.kovar@wallercounty.us

Vendor Responsibilities:

- Download and complete any addendums posted on the Waller County website.
- Submit response in accordance with requirements stated in the document.
- DO NOT submit responses via email, as they will not be accepted.

Invitation for Bids

SECTION 1. GENERAL REQUIREMENTS

- 1.1 Entire Document: Read this entire document carefully. Follow all instructions. You are responsible for fulfilling all requirements and specifications. Be sure you understand them.
- 1.2 Applicability: General Requirements apply to all advertised Invitations for Bid; however, these may be superseded, in whole or in part, by the scope, special requirements, specifications, special specifications or other data contained herein.
- 1.3 Governing Law: Bidder is advised that these requirements shall be fully governed by the laws of the State of Texas and that Waller County may request and rely on advice, decisions and opinions of the Attorney General of Texas and the Waller County District Attorney concerning any portion of these requirements.
- 1.4 Bid Form Completion: Complete one (1) bid form, sign, and return with completed submittal to County Judge's Office of Waller County. An authorized representative of the Bidder must sign the Contract Sheet. The contract will be binding only when approved by the Waller County Commissioners Court, signed by the County Judge of Waller County and a purchase order authorizing the item(s) desired has been issued. The use of corrective fluid is not acceptable and may result in the disqualification of bid. If an error is made, the bidder must draw a line through the error and initial each change.

If an Excel pricing form is included and/or posted on the County's website amongst this Invitation for Bid, the vendor must download, complete, and save the Excel file (not a PDF of the Excel file) of the pricing form on a flash drive. The Excel file on the flash drive must be downloadable by the Purchasing Director in order to copy and paste the Bidder's pricing to the County's tabulation. The flash drive must be labeled and included in the same sealed envelope with the respondent's completed Bid along with a printed copy of the pricing form completed by the vendor.

- 1.5 Bid Returns: Bidders must return a completed Bid Package in a sealed envelope to the County Judge's Office of Waller County, 836 Austin Street, Suite 4300, Hempstead, TX 77445, no later than 1:00 P.M. (CST) on the date specified. The Bid Package is the set of documents outlining the requirements and details of the Project that is provided by the County to potential Bidders, and the complete, properly signed Bid. Late bids will not be accepted.
- 1.6 Addenda: No interpretation of the meaning of the drawings, specifications or other bid documents will be made to any bidder orally. All requests for such interpretations must be made in writing addressed to Jaime Kovar, Procurement Director by email at: J.Kovar@wallercounty.us. Any and all interpretations and any supplemental instructions will be in the form of written addenda to the contract documents which will be posted on Waller County's website. Addenda will ONLY be issued by the Waller County Procurement Director. It is the sole responsibility of each bidder to insure receipt of any and all addenda. All addenda issued will become part of the Contract Documents. Bidders must sign and include any and all issued addenda in the returned bid package. **The deadline for submission of questions and/or clarification is no later than July 29, 2026, at 10:00 AM (CST).** Requests received after the deadline will not be responded to due to the time constraints of this bid process.

- 1.7 References: All Bidders must submit, WITH BID, at least three (3) references from clients for whom a project similar to that specified herein has been successfully accomplished. References must include clients' name, contact person, and telephone number.
- 1.8 Bid Bond: All Bidders must submit, WITH BID, a cashier's check or certified check for at least five percent (5%) of the total bid price, payable to the order of Waller County, or a Bid Bond in the same amount issued by a surety, acceptable to Waller County, authorized to do business in the State of Texas, as a guarantee that the Bidder will do the work described herein at the rates stated herein. The cashier's check or certified check submitted by an unsuccessful Bidder will be returned only after a written request to do so has been received by the Procurement Director.
- 1.9 Material Safety Data Sheets: Under the "Hazardous Communication Act", commonly known as the "Texas Right to Know Act", a Bidder must provide to Waller County and using departments, with each delivery, material safety data sheets, which are, applicable to hazardous substances defined in the Act. Bidders are obligated to maintain a current, updated file in Waller County. Failure of the Bidder to maintain such a file will be cause to reject any bid applying thereto.
- 1.10 Pricing: Prices for all goods and/or services shall be firm for the duration of the Contract and shall be stated on the bid sheet. The Bid submitted to the County shall be inclusive of all costs necessary to complete the Project. No price changes, additions, or subsequent qualifications will be honored during the course of the Contract, unless made in accordance with the Contract's General Terms and Conditions. All prices must be written in ink or typewritten.
- 1.11 Term Contracts: If the Contract is intended to cover a specific time period, said time will be given in the specifications under Scope.
- 1.12 Recycled Materials: Pursuant to Texas Health and Safety Code § 361.426, Waller County encourages the use of products made of recycled materials and shall give preference in purchasing to products made of recycled materials if the products meet applicable specifications as to quantity and quality. Waller County will be the sole judge in determining product preference application.
- 1.13 Evaluation: Evaluation shall be used as a determinant as to which bid items or services are the most efficient and/or most economical for Waller County. It shall be based on all factors which have a bearing on price and performance of the items in the user environment. All Bids are subject to tabulation by the Procurement Director and recommendation to Waller County Commissioners Court. Compliance with all bid requirements, delivery, and needs of the using department are considerations in evaluating bids. Pricing is NOT the only criteria in determining the lowest responsible bidder, or for making a recommendation. The Waller County Procurement Director reserves the right to contact any Bidder, at any time, to clarify, verify, or request information with regard to any Bid.
- 1.14 Disqualification of Bidder: Upon signing the Contract Sheet, a Bidder offering to provide supplies, materials, services, or equipment to Waller County certifies that the Bidder has not violated the antitrust laws of this state codified in section 15.01, et seq., Business & Commerce Code, or the federal antitrust laws, and has not communicated directly or indirectly the bid made to any competitor or any other person engaged in such line of

business. Any and all Bids may be rejected if Waller County believes that collusion exists among the Bidders. Bids in which the prices appear to be unbalanced may be rejected. If multiple Bids are submitted by a Bidder and after the Bids are opened, one of the Bids is withdrawn, the result will be that all of the Bids submitted by that Bidder will be withdrawn; however, nothing herein prohibits a vendor from submitting multiple Bids for different products or services.

- 1.15 Awards: Waller County reserves the right to award the Contract to the lowest responsible bidder in accordance with the laws of the State of Texas, to waive any formality or irregularity, to make awards to more than one Bidder, and to reject any or all Bids.
- 1.16 Contract Obligation: A Bid does not become binding upon the Bidder until it is accepted by official action of the Waller County Commissioners Court, and a Contract does not become binding on the County of the Bidders until it is approved by official action of the Waller County Commissioners Court and executed by the County Judge or another person authorized by the Waller County Commissioners Court. Department heads are not authorized to sign agreements for Waller County. Binding agreements shall remain in effect until all products and/or services covered by this purchase have been satisfactorily delivered and accepted.

SECTION 2. PRE-BID CONFERENCE

- 2.1 Pre-Bid Conference: A pre-bid conference will be conducted on **Thursday, July 23, 2026 at 10:00 AM (CST)**. The pre-bid conference will be held at the Waller County Judge's Office located in the County Courthouse at 836 Austin Street, Suite 4300, Hempstead, Texas 77445. All bidders are encouraged to attend.

SECTION 3. SCOPE

- 3.1 Scope: It is the intent of Waller County to contract with one (1) vendor for all materials, supplies, equipment, tools, services, labor, and supervision necessary to complete the reconstruction of Adams Flat Road from FM 359 to Wilson Road, for an approximate project length of 1.86 miles.

The proposed improvements include reconstruction of the existing two-lane asphalt roadway while maintaining the rural open-ditch drainage system within the existing right-of-way. The proposed roadway section generally consists of two (2) 11-foot travel lanes for a total pavement width of 22 feet, with 2-foot shoulders/berms on each side.

The pavement reconstruction includes a 3-inch hot-mix asphalt surface course, 10-inch flexible base, and 8-inch cement-treated subgrade in accordance with the geotechnical recommendations and applicable County requirements.

The drainage scope includes roadside ditch grading, driveway culvert replacements, cross-culvert improvements, driveway tie-ins, safety end treatments, guardrail improvements, and related grading adjustments to maintain positive drainage along the corridor.

Existing private driveway access will be maintained during construction to the extent practical. Temporary driveway access, phased culvert construction, and traffic control measures will be provided as needed to support construction operations and maintain public safety.

Traffic control, permanent signing and pavement markings, storm water pollution prevention, erosion control, seeding/hydro mulch, and final site restoration are included as part of the project scope.

The work shall be constructed in accordance with the project plans, applicable Waller County requirements, Harris County 2023 Standard Specifications where referenced, TxDOT standards where applicable, and all project-specific notes and details.

SECTION 4. ESTIMATED BUDGET AND PROJECT COMPLETION DATE

4.1 Estimated Budget: \$5,332,384

4.2 Estimated Completion Date: One hundred eighty (180) calendar days, beginning on the issuance date of the Notice to Proceed.

SECTION 5. ENCLOSURE

5.1 Enclosure #1: Specifications and Plans

SECTION 6. PRICING

6.1 Excel Bid Pricing Form: Bidders are required to obtain and complete the Excel Bid Pricing Form on the Waller County website and return to County Judge's Office, as stated in Section 1.4 and 1.5.

SECTION 7. PERFORMANCE AND PAYMENT BONDS

7.1 Bonds Required: The Bidder must provide to the County a payment bond and performance bond, each in the amount of 100% of the total Contract Price. Bonds must be submitted to the Procurement Director within ten (10) calendar days after receipt of notification of bid award. Such bonds shall be executed by a solvent surety company duly authorized to do business and licensed in the State of Texas to issue surety bonds with a Best Rating of A/VII or better. Waller County reserves the right to accept or reject any surety company proposed by the Contractor. In the event Waller County rejects the proposed surety company, the Contractor will be afforded five (5) additional days to submit the required bonds issued by a surety company acceptable to Waller County.

An attorney-in-fact or agent who signs a bid bond, performance bond, or payment bond must file with each bond a certified and effectively dated copy of his or her power of attorney or authority to act.

SECTION 8. REQUIRED FORMS

8.1 Required Forms: All Bidders are required to complete and return with their Bids the following forms:

- a. Electronic Excel file of Pricing Form on flash drive and printed hard copy
- b. Bidder's Business Information Sheet
- c. Contract Special Terms & Conditions
- d. Contract Sheet
- e. W-9 Form
- f. Texas Ethics Commission Form 1295:

- i. Effective January 1, 2016 all contracts executed by Commissioners Court, regardless of the dollar amount, will require completion of Form 1295 "Certificate of Interested Parties", as required by Texas Government Code §2252.908. All vendors submitting a response to a formal Bid, RFP, SOQ or any contracts, contract amendments, renewals or change orders are required to complete the Form 1295 online through the State of Texas Ethics Commission website. Please visit: <https://www.ethics.state.tx.us/filinginfo/1295/>.
- ii. On-line instructions:
 - a. Name of governmental entity is to read: Waller County, Texas.
 - b. Identification number used by the governmental entity is: B26-011.
 - c. Description is the title of the solicitation: Adams Flat Road.

SECTION 9. AWARD

- 9.1 Award: The contract will be awarded to the overall lowest responsible bidder.

Bidder's Business Information Sheet

By submitting a Bid, Bidder is seeking to enter into a legal contract with the County. As such, a Bidder must be an individual or a legal business entity capable of entering into a binding contract. Bidders must completely and accurately provide the information requested below or your Bid may be deemed non-responsive.

Name of Company:

Type of Business (please check one):

- ☐ Individual/Sole Proprietor
- ☐ Corporation
- ☐ Limited Liability Company
- ☐ Partnership
- ☐ Other

If other, please specify _____

State of Incorporation (if applicable): _____

Federal Employer Identification Number: _____

Principal Place of Business Address: _____

Name and Address for Notices to be Sent Under Contract General Terms and Conditions Section 18.19:

List any other names the Company uses, or is known by (dba, aka, etc.):

Company Name

Date

Signature of Authorized Company Official

Printed Name

Email address

Contract General Terms and Conditions

TABLE OF CONTENTS

SECTION 1 – DEFINITIONS.....	2
SECTION 2 – CONTRACT DOCUMENTS.....	4
SECTION 3 – PROJECT DURATION.....	4
SECTION 4 – CONTRACTOR’S RESPONSIBILITY FOR WORK.....	5
SECTION 5 – PREVAILING WAGES.....	15
SECTION 6 – PAYMENT.....	20
SECTION 7 – TRANSFER & ACCEPTANCE.....	23
SECTION 8 – TERM, SUSPENSION OF WORK, & TERMINATION.....	24
SECTION 9 – RIGHT TO ASSURANCE.....	25
SECTION 10 – INSURANCE.....	26
SECTION 11 – BONDS.....	27
SECTION 12 – INDEMNIFICATION.....	28
SECTION 13 – RECORDS & AUDITS.....	30
SECTION 14 – SILENCE OF SPECIFICATIONS.....	31
SECTION 15 – INDEPENDENT CONTRACTOR	31
SECTION 16 – LIMIT OF APPROPRIATIONS.....	31
SECTION 17 – TEXAS REQUIRED CERTIFICATIONS.....	32
SECTION 18 – MISCELLANEOUS.....	32

SECTION 1. DEFINITIONS

- 1.1 Addendum: Written instruments issued by Waller County which clarify, correct, or change the bidding requirements or the Contract Documents prior to the Due Date.
- 1.2 Authorized Representative: The Waller County Engineer.
- 1.3 Bid: A complete, properly signed response to an Invitation for Bid that, if accepted, would bind the Bidder to perform the resultant contract.
- 1.4 Bidder: A person, firm, or entity that submits a Bid in response to an Invitation for Bid.
- 1.5 Bid Documents: The advertisement or Invitation for Bids, Bid form, the Price Sheet, the Contract Sheet, Specifications and Plans, Geotechnical Data, the Special Terms and Conditions Form, the Contract General Terms and Conditions, Bidder's Business Information Sheet, Form, and Addenda.
- 1.6 Calendar Day: Any day of the week, no days being excepted.
- 1.7 Construction Site: The area designated by the County where construction work on the Project is carried out.
- 1.8 Contract: The binding legal agreement between the County and the Contractor. The Contract represents the entire and integrated agreement between the County and the Contractor for performance of the Work, as evidenced by the Contract Documents.
- 1.9 Contract Price: the moneys payable by the County to the Contractor for completion of the Work in accordance with the Contract Documents.
- 1.10 Contract Sheet: the form provided in the Bid Documents.
- 1.11 Contract Time: The number of days allowed for completion of the Work as defined by the Contract Sheet. When any period is referred to in days, it will be computed to exclude the first and last day of such period. A day of twenty-four hours measured from midnight to the next midnight will constitute a day.
- 1.12 Contractor: The individual, firm, corporation, or other business entity with whom the County has entered into the Contract for the performance of the Work.
- 1.13 County: Waller County, Texas, a political subdivision of the State of Texas.
- 1.14 Design Engineer: Firm: LJA Engineering
 Houston, Texas
- 1.15 Design Engineer Representative: The authorized representative of the Design Engineer who may be assigned to the site or any part thereof.
- 1.16 Drawings: Those portions of the Contract Documents which are graphic representations of the scope, extent and character of the Work to be furnished and performed by Contractor, and which have been approved by the County. Drawings may include plans, elevations, sections, details, schedules, and diagrams. Shop Drawings are not included in the definitions of Drawings.
- 1.17 Due Date: The date and time specified for receipt of Bids.

- 1.18 Final Completion: The point in time when the County determines that all Work has been completed and final payment to Contractor will be made in accordance with the Contract Documents.
- 1.19 Invitation for Bid ("IFB"): A solicitation requesting pricing for a specified good or service which has been advertised for Bid in a newspaper.
- 1.20 Minor Change: A written change in the Work that is ordered by the Authorized Representative, that does not change the Contract Price or Contract Time, and is consistent with the scope of the Contract.
- 1.21 Notice to Proceed: A written notice given by the Authorized Representative of the County to Contractor identifying the date on which the Work will commence, and on which Contractor shall start to perform Contractor's obligations under the Contract Documents.
- 1.22 Project: the Reconstruction of Adams Flat Road as specified in the Contract Documents.
- 1.23 Schedule of Values: an itemized list of each activity and all materials and labor required to complete the Project, and the corresponding values of each. When summed up, the Schedule of Values shall equal the total Contract Price.
- 1.24 Shop Drawings: All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor as required by the Contract Documents.
- 1.25 Specifications and Plans: Those portions of the Contract Documents consisting of written technical descriptions as applied to the Work, which set forth to Contractor, in detail, the requirements which must be met by all materials, equipment, construction systems, standards, workmanship, equipment, and services in order to render a completed and useful project.
- 1.26 Subcontractor: An individual, firm, corporation, or other business entity having a direct contract with Contractor for the performance of a portion of the Work under the Contract.
- 1.27 Substantial Completion: The stage in the progress of the Work when the Work, or designated portion thereof, is sufficiently complete in accordance with the Contract Documents so that the County can occupy or utilize the Work for its intended use, as evidenced by a Certificate of Substantial Completion approved by the County.
- 1.28 Superintendent: The representative of Contractor authorized in writing to receive and fulfill instructions from the Authorized Representative, and who shall supervise and direct construction of the Work.
- 1.29 Supplier: An individual or entity that furnishes materials or equipment to be incorporated in the Work by the Contractor or any Subcontractor.
- 1.30 Transfer Date: the date on which the care, custody, and control of the Project passes to Waller County.
- 1.31 Work: The entire completed construction, or the various separately identifiable parts thereof, required to be furnished under the Contract Documents. It includes the procurement, delivery, and proper construction and/or installation of all materials, facilities, and associated appurtenances necessary to fulfill the winning Bidder's obligations under the Contract, including the coordination and administration of all

services necessary for the Contractor, its agents, and/or subcontractors to fulfill Contractor's obligations under the Contract.

SECTION 2. CONTRACT DOCUMENTS

2.1 The Contract Documents: The Contract Documents are composed of the following:

- a. Contract Sheet
- b. Invitation for Bid
- c. Bid Form
- d. Specifications and Plans
- e. Contract Special Terms and Conditions, if any
- f. Contract General Terms and Conditions
- g. Bidder's Business Information Sheet
- h. Forms

2.2 Intent: The purpose of the Contract Documents is to include all information necessary for the proper execution and timely completion of the Work by Contractor. The Contractor will execute the Work described in and reasonably inferable from the Contract Documents as necessary to produce the results indicated by the Contract Documents. The Contract Documents are complimentary, and what is required by one shall be as binding as if required by all.

2.3 Exclusion of Professional Services: Contractor shall neither perform nor provide professional services as defined by Texas Government Code Chapter 2254 under this Contract.

2.4 Order of Precedence: In the event of a conflict between any of the Contract Documents, they shall be given precedence in the order provided in Section 2.1.

2.5 Interpretation: In the event of any dispute concerning the terms of the Contract Documents, the County's interpretation shall govern.

SECTION 3. PROJECT DURATION

3.1 Project Timeline: Bidder agrees to complete all work required by the Contract Documents as indicated on the Contract Sheet after issuance of a purchase order by the County, and issuance of a Notice to Proceed by the Authorized Representative. The Contract Time will begin to run on the date the Notice to Proceed is issued.

3.2 Liquidated Damages: The Contractor or its surety shall be liable for liquidated damages for the failure of the Contractor to timely complete the Work or any portion thereof within the Contract Time. The Contractor shall pay the County one thousand five hundred dollars (\$1,500) per day for each calendar day beyond the scheduled completion date specified herein, unless the contract time has been adjusted by a Change Order. If the Contractor pays liquidated damages to the County, the County will place the Contractor on one (1) year probation. The County will issue written notice to the Contractor of the probation, and the one (1) year probation period will begin to run on the date of issuance of the written notice. If the Contractor becomes responsible for liquidated damages on any other project

during the probation period, the Contractor will be disqualified from any County work for a period of two (2) years, beginning on the issuance date of the written notice of the one (1) year probation period.

SECTION 4. CONTRACTOR'S RESPONSIBILITY FOR WORK

- 4.1 Preconstruction Work: Contractor shall perform the following preconstruction work upon written request from the County:
- a. Cause Contractor's personnel to meet with the County and the Design Engineer to discuss the status of the Project;
 - b. Review drawings and specifications with the Design Engineer to determine the Project's compliance with applicable codes; and
 - c. Submit to the Road & Bridge Department a Schedule of Values for all of the Work, subdivided into component parts in sufficient detail to serve as the basis for progress payments during construction. At a minimum, the Schedule of Values must be broken out by trade and split between materials and labor. Prices will be deemed to include an appropriate amount of overhead and profit applicable to each item of Work. The Schedule of Values must be prepared in such form and supported by such data to substantiate its accuracy as the Road & Bridge Department may require.
- 4.2 Construction Work: Contractor shall perform the following construction work:
- a. All preparatory work at the Construction Site identified herein, including but not limited to: soil and concrete testing, demolition of improvements existing at the construction site, and any other actions necessary for construction to begin in compliance with all laws and regulations pertaining to the Project, including those related to archaeological and environmental requirements.
 - b. Construct and install the Project on the construction site in accordance with the Contract Documents.
 - c. Furnish all materials, supplies, equipment, tools, labor, supervision, utilities, transportation, and other materials and services necessary to complete the Project.
- 4.3 Reporting and Resolving Discrepancies: If, during the performance of the Work, the Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provisions of any such law or regulation applicable to the performance of the Work or of any such standard, specification, manual or code, or instructions of any Supplier, Contractor shall not proceed with the Work affected thereby until an amendment or supplement to the Contract Documents has been issued. The Contractor shall be liable to the County for failure to report any such conflict, error, ambiguity, or discrepancy of which Contractor knew or reasonable should have known.
- 4.4 Reporting Design Defects: The Contractor shall provide written disclosure to the County if the Contractor learns of a defect, inaccuracy, inadequacy, or insufficiency in the Contract Documents, plans, specifications, or other design documents that the Contractor discovers, or reasonably should have discovered by the use of ordinary diligence. The Contractor shall provide written disclosure within a reasonable time of learning of the defect, but not later

than two (2) days after the discovery. Contractor shall not proceed with the Work affected thereby until instructed in writing by the Authorized Representative. If the Contractor fails to disclose a defect under this section of which the Contractor knew or reasonably should have known, the Contractor shall be liable to the County for the consequences of the defect(s) that result from the failure to disclose.

- 4.5 Minor Changes in the Work: Waller County acknowledges that in order to accomplish the efficient completion of the Project within the Contract Time, the Contractor may submit requests for Minor Changes in writing to the Authorized Representative in stages for approval or consent. Upon any request for a Minor Change submitted by the Contractor for review and approval, the Authorized Representative shall review the same, and shall diligently and promptly give the Contractor written notice of the Authorized Representative's approval or disapproval. The written approval or disapproval will be provided to the Contractor no later than fourteen (14) calendar days after receipt of the written request for Minor Change. If disapproved, the Authorized Representative's written decision shall set forth in detail all reasons for the disapproval. The Authorized Representative's right to disapprove any Minor Change shall be limited to the elements that: (a) do not conform substantially to matters previously approved, (b) have not been previously presented and approved, and that the Contractor fails to demonstrate is reasonably necessary for completion of the Project, or (c) are violations of this Contract or applicable laws and regulations.
- 4.6 Change Orders: A Change Order is required for all changes in the Project that require (a) an adjustment in the Contract Price, (b) an adjustment in the Contract Time, or (c) a material change in the overall scope or function of the Project. Change Orders may only be approved by the Waller County Commissioners Court. A Change Order must be approved before Contractor commences such change. Such procedure shall be the exclusive means to effect such changes in the Project.
- a. If at any time Waller County desires to make any change in the Project requiring the issuance of a Change Order, Waller County will provide the Contractor with a written notice describing the change. Within a reasonable period of time after receiving such notice, the Contractor shall provide Waller County with a Change Order that describes the proposed change, and proposes changes, if any, to the Contract Price, the Schedule of Values, and the final completion date. Once the Contractor has provided a Change Order, the County will provide a written approval or disapproval of the Change Order not later than the 28th calendar day after receipt of the proposed Change Order. Upon approval of the Change Order, the Contractor shall perform the work in accordance with such Change Order. All work performed pursuant to a Change Order shall be performed in accordance with the terms of this Contract.
 - b. No action, acquiescence, or inaction by Waller County or any representative of Waller County shall be construed to be a waiver of requirements set forth in this Contract in regard to Change Orders, or as a ratification of a violation of such requirements. All acts in violation of this provision shall be considered void.

- c. A Change Order is only effective if it is approved by the Waller County Commissioners Court, and signed by an authorized representative of both the County and the Contractor.
 - d. The Contract Price and the Schedule of Values shall be adjusted only as a result of a Change Order requiring such adjustment. Any extra work performed without a proper Change Order shall be considered voluntary and not subject to additional compensation.
- 4.7 Review and Approval of Changes: If the County disapproves of a Minor Change or Change Order, the Contractor shall have the right to alter such Minor Change or proposed Change Order to the satisfaction of the County, and resubmit the matter for evaluation. Any resubmission shall be subject to review and approval by the County.
 - a. The County and the Contractor shall attempt in good faith to resolve any disputes concerning a Minor Change or Change Order expeditiously, so as not to delay the completion of the Project in accordance with this Contract.
 - b. Waller County recognizes the importance of expeditious action upon all matters submitted to the County for review and approval, and of expeditious response to those aspects of the Project which require approval of governmental authorities having jurisdiction thereover. Waller County shall exercise its rights of review and approval hereunder with due diligence, reasonableness, and good faith. The County shall use its reasonable efforts to expedite any required review of the Project or other matters by any governmental authority.
- 4.8 Site Access: Prior to the Transfer Date, the County and the Contractor shall have uninterrupted access to the construction site. Subsequent to the Transfer Date, Waller County will permit the Contractor, the Design Engineer, and their representatives and subcontractors to enter upon the Project at times reasonably necessary to complete the punch list items.
- 4.9 Applicable Laws and Regulations: Contractor shall perform its obligations pursuant to this Contract in accordance with all applicable federal, state, and local statutes, ordinances laws, regulations, and executive, administrative and judicial orders. The Contractor may be entitled to an extension of time if changes in said applicable laws and regulations cause any delay in the performance of the Contractor's obligations under this Contract.
- 4.10 Environmental Regulations: Contractor shall plan and execute its operations in compliance with all applicable Federal, state, and local laws and regulations concerning control and abatement of water pollution and prevention and control of air pollution.
- 4.11 Material Safety Data Sheets: Contractor shall be responsible for providing and coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the site in accordance with laws and regulations.
- 4.12 Permits: Contractor shall obtain, possess, and pay for all permits, licenses, and fees required to complete the Project. The permits shall be in the name of Waller County.
- 4.13 Familiarity with Project: The Contractor represents and agrees that it is thoroughly familiar with all phases of the Project, all matters and conditions that may affect the construction

and successful completion of the Project, and had the opportunity to conduct any and all additional inquiry, tests, and investigations that it deemed necessary and proper. Contractor further certifies that it has: (a) visited and examined the construction site, the obstacles thereon, if any, and observed all conditions that may affect the Project (b) determined the nature and location of the Project, (c) understands the general and local conditions which affect the Project, and (d) investigated the labor and materials market as they are relevant to the Project. Contractor represents and agrees that it is able to successfully complete the Project for the Contract Price.

- 4.14 Contractor: Contractor specifically represents that is has carefully examined the plans, the geotechnical report, if any, and the site of the proposed Work and is thoroughly familiar with all of the conditions surrounding construction of the Project, having had the opportunity to conduct any and all additional inquiry, tests, and investigation that he or she deems necessary and proper. The Contractor acknowledges the receipt of the geotechnical report, if any, and agrees that the report, while it is an accurate record of the geotechnical conditions at the boring locations, is not a guarantee of specific site conditions which may vary between boring locations.
- 4.15 Duty to Notify of Unforeseen Conditions: The Contractor must notify the County in writing as soon as reasonably possible, but no later than three (3) calendar days, if unforeseen conditions are encountered at the site which are i) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents, or ii) unknown physical conditions of an unusual nature, that differ materially from those normally encountered in the type of work being performed under this Contract. Contractor may not disturb the conditions until the County conducts an investigation. The Authorized Representative and the Design Engineer will promptly investigate such conditions. If it is determined that such conditions differ materially and cause an increase or decrease in the Contractor's cost of or time required for performance of any part of the Work, the Authorized Representative will recommend an equitable adjustment in the Contract Price, Contract Time, or both. If it determined that such conditions are not materially different from those indicated in the Contract Documents, the Authorized Representative will notify the Contractor in writing of such findings, and the Contract will not be adjusted.
- 4.16 Contractor's General Warranty: The Contractor warrants and guarantees to the County that all work performed on the Project will conform to the Contract Documents, be performed in a good and workmanlike manner in accordance with the Contract Documents, and will not be defective. The Contractor shall promptly correct defective work and damage that results from the Contractor's failure to exercise reasonable care in performing the Work, or from the Contractor's failure to perform the Work in a good and workmanlike manner. The Contractor shall use qualified, careful, and efficient contractors, subcontractors, employees, and workers in conformity with the provisions of this Contract. This Section 4.16 shall survive the termination or expiration of the Contract.
- 4.17 Contractor's Guarantee: The Contractor warrants and guarantees to the County that: (a) the Contractor possesses the skill and knowledge ordinarily possessed by well-informed members of its trade or profession, (b) the Contractor will use its best efforts to ensure that the services provided under this Contract are performed, delivered, and conducted in accordance with the best professional standards and in accordance with industry standards, and (c) the Contractor is fully experienced and properly qualified, equipped, organized and

financed to successfully complete the Project. The services and materials provided by the Contractor to Waller County will conform to the representations contained in this Contract, including all attachments, schedules, and exhibits.

- 4.18 No Limitation on Implied Warranties: The Contractor shall not limit or exclude any implied warranties, and shall extend such warranties for the goods or services provided under this Contract.
- 4.19 Work Performed Contrary to Law or Regulations: If Contractor performs any Work knowing or having reason to know that it is contrary to laws or regulations, the Contractor shall bear all claims, costs, losses, and damages arising therefrom.
- 4.20 Warranties and Guarantees Cumulative: The Contractor's warranties and guarantees shall be cumulative, deemed consistent and not in conflict, are intended to be given full force and effect, and are to be interpreted expansively to give the County the broadest warranty protection. The Contractor's obligation to perform and complete the Work in a good and workmanlike manner in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:
- a. Observations by County or the Design Engineer, or any of their officials, officers, representatives, employees, or agents;
 - b. Recommendation of any payment by County, or any of its officials, officers, representatives, employees, or agents;
 - c. The issuance of a certificate of Substantial Completion or any payment by the County to the Contractor under the Contract Documents;
 - d. Use or occupancy of the Project or any part thereof by the County or the public;
 - e. Any acceptance by the County, or failure to do so;
 - f. Any review of a Shop Drawing or sample submittal;
 - g. Any inspection, test, or approval by other; or
 - h. Any correction by the County of defective work.
- 4.21 Contractor's Personnel. Contractor shall maintain a work force adequate to accomplish the Work within the Contract Time. Contractor shall employ only competent, orderly, personnel for the Project that are skilled in the performance of the type of Work required under this Contract.
- 4.22 Contractor's Supervision: Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. The Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall be responsible to see that the completed Work complies accurately with the Contract Documents.
- 4.23 Contractor's Superintendent: Beginning on the execution of the Contract, and continuing until Final Completion, the Contractor shall identify and maintain a competent and

qualified superintendent who shall be authorized to act on behalf of the Contractor and with whom Waller County may consult at all reasonable times. The superintendent must be an employee of the Contractor, unless such requirement is waived in writing by the Authorized Representative. The superintendent shall not be transferred from the Project without the County's consent, which shall not be unreasonably withheld or delayed. Notwithstanding the foregoing, the superintendent is not required to be assigned solely to the Project, and shall be entitled to spend reasonable time working on matters unrelated to the Project, so long as such work on other matters does not render the superintendent unavailable to the Project or to Waller County. If the superintendent is transferred from the Project, Waller County shall have the right to approve the replacement superintendent. The County's approval shall not be unreasonably withheld or delayed. The Contractor shall replace the superintendent upon the County's request in the event that the superintendent is unable to perform to the County's satisfaction.

- 4.24 Effect of Obligation: The obligation to maintain the superintendent and work force shall not be construed to: (a) preclude the promotion of any of Contractor's employees assigned to the Project, or (b) give rise to any liability of the Contractor in the event an employee assigned to the Project leaves the Contractor's employment, or (c) imply that the County has an employer/employee relationship with Contractor, or any of its employees .
- 4.25 Wages: Contractor shall pay workers on the Project in accordance with Section 15, and not less than the wage rates, including fringe benefits, as published by the Department of Labor for Building Construction and Heavy and Highway Trades, as applicable.
- 4.26 Subcontractors: The Contractor shall not employ any Subcontractor, Supplier, or other person or organization, whether initially or as a substitute, against whom the County may have a reasonable objection. Contractor shall not substitute any Subcontractor, person, or organization that has been accepted by the County, unless the substitute has been accepted in writing by the County. No acceptance by the County of any Subcontractor, Supplier, or other person or organization shall constitute a waiver of any right of the County to reject defective work. Contractor shall provide County with a complete list of any Subcontractors it intends to use on the Project. In the event that Subcontractors are used on the Project, the Subcontractor must agree to be bound by the terms of this Contract.
- 4.27 Responsibility for Subcontractors: The Contractor shall be fully responsible to the County for all acts and omissions of the Subcontractors, Suppliers, and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with Contractor just as Contractor is responsible for the Contractor's own acts and omissions. Nothing in the Contract Documents shall create for the benefit of any such Subcontractor, Supplier, or other person or organization any contractual relationship between the County and any such Subcontractor, Supplier, or other person or organization, nor shall it create any obligation on the part of the County to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other person or organization except as may otherwise be required by laws and regulations.
- 4.28 Construction Site Order: The Contractor shall at all times maintain good discipline and order on the construction site. If Contractor becomes aware that any employee, subcontractor, or subcontractor's employee is incompetent, disorderly, abusive, disobedient, has knowingly violated safety regulations, has possessed any firearm in

contravention of applicable Texas law, has possessed or was under the influence of alcohol or drugs on the job, or has violated any federal, state, or local law, rule, or ordinance. Contractor shall immediately remove such worker or representative, including an officer or owner of Contractor or any Subcontractor from performing work on the Project, and may not subsequently allow such worker or representative at the construction site without the County's written consent. Contractor, the Design Engineer, Subcontractors, and workers or employees shall comply with all applicable health, safety, and loss prevention rules of applicable governmental authorities. The Contractor shall at all times enforce strict discipline and good order among its employees and workers, and shall not employ on the Project any unfit person or anyone not skilled in the work assigned to him. Waller County may, upon thirty (30) days written notice to the Contractor and without cause, require the removal of any individual from performing work on the Project.

- 4.29 Construction Site Conditions: Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the site and land and areas identified by the Designated Representative, and other land and areas permitted by laws and regulations, right-of-way, permits, and easements. Contractor shall not unreasonably encumber the premises with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas, resulting from the performance of the Work. During the progress of the Work, and on a daily basis, Contractor shall keep the premises free from accumulations of waste materials, rubbish, and other debris resulting from the Work. At the completion of the Work, Contractor shall remove all waste materials, rubbish, and debris from and about the premises, as well as all tools, appliances, construction equipment and machinery, and surplus materials. Contractor shall leave the site clean and ready for use by County at Substantial Completion of the Work. Contractor shall restore to original condition all property not designated for alteration by the Contract Documents. If the Contractor fails to clean up at the completion of the Work, the County may do so, and charge the cost thereof to the Contractor.
- 4.30 Inspection: The Project and all parts thereof shall be subject to inspection from time to time by inspectors designated by Waller County. No such inspections shall relieve the Contractor of any of its obligations hereunder. Neither failure to inspect, nor failure to discover defects or reject any of the work as not in accordance with the Contract Documents shall be construed to imply an acceptance of such work or to relieve the Contractor of any of its obligations hereunder. Waller County agrees that its right of inspection shall be used reasonably and in a timely manner so as not to delay orderly completion of the Project.
- 4.31 Safety: The Contractor shall be responsible for initiating, maintain, and supervising all safety precautions and programs in connection with performing work on the Project. The Contractor shall comply with all applicable laws and regulations of any public body having jurisdiction for the safety of persons or property, or to protect them from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. The Contractor shall comply with all federal, state, and local occupational hazard and safety standards, codes and regulations applicable in the jurisdiction where the Project is located. The Contractor shall include the substance of this clause in its entirety in all subcontracts for any work to be performed at the construction site.

- 4.32 Responsibility for Property: Contractor shall notify owners of adjacent property and of underground facilities, and utility owners when performance of work on the Project may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property. All damage, injury, or loss to any materials or equipment used in furtherance of the Project, whether stored on or off site, and to any other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of construction that is caused, directly or indirectly, in whole or in part, by the Contractor, Subcontractor, or any personal or entity directly or indirectly employed by them shall be remedied by Contractor. Contractor is solely responsible for the location and protection of any and all public utility lines and utility customer service lines in the Work area. "Public utility lines" means the utility distribution and supply system, and "utility customer service lines" means the utility lines connecting customers to the utility distribution and collection system. Generally, existing utility customer service line connections are not shown on the Drawings. The Contractor shall exercise due care to locate, mark, uncover, and otherwise protect all such lines in the construction zone and any of Contractor's work or storage areas, and to notify appropriate authorities of relevant activity in the construction zone. Contractor's responsibility for the location and protection of utilities is primary and nondelegable.
- 4.33 Protection Against Risks: The Contractor shall take all necessary and adequate precautions to protect against conditions created during the progress of the Project which involve a risk of bodily harm or death to persons, or a risk of damage or loss to any property. The Contractor shall regularly inspect all work, materials, and equipment to discover and determine any such conditions, and shall be responsible for discovery, determination, and correction of any such conditions.
- 4.34 Hazardous Materials: Contractor shall be responsible for any hazardous materials brought to the site by the Contractor, Subcontractor, Suppliers, or anyone else for whom Contractor is responsible, and shall be responsible for the use, storage, and remediation of any such hazardous materials. The Contractor shall immediately notify the County of any hazardous material uncovered or revealed at the Construction Site which was not shown, indicated, or identified in the Contract Documents to be within the scope of the Work and which may present a substantial danger to persons or property exposed thereto in connection with the Work at the site. The Contractor shall immediately notify the Authorized Representative of any suspected hazardous materials encountered before or during the performance of the Work, and shall take all necessary precautions to avoid further disturbance of the materials.
- 4.35 Contractor's Duties Continue Until Final Acceptance: Contractor's duties and responsibilities for safety and protection of the Work and property shall continue until such time as the Project is completed, and the County has issued a written notice indicating final acceptance of the completed Project.
- 4.36 No Excessive Loading: Contractor shall no load, nor permit any part of any structure to be loaded in any manner that will endanger the structure. The Contractor shall not subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

- 4.37 Texas Department of Transportation: the Contractor shall perform the Work in accordance with any applicable rules, regulations, and standards adopted by the Texas Department of Transportation.
- 4.38 Meetings and Cooperation: Contractor shall meet with the County or its Authorized Representative on an as needed basis to ensure the Work is performed satisfactorily. The Contractor shall cooperate at all times with the County, and other contractors providing services to the County to maintain maximum security and efficiency.
- 4.39 Equipment and Materials: Except as expressly provided otherwise, the Contractor shall furnish and pay for all construction, transportation, installation, materials, labor, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and any other equipment, facilities, and incidentals required for the furnishing, performance, testing, start-up, and completion of the Project within the time specified, except for professional services as defined by Texas Government Code Chapter 2254. Such equipment and facilities shall be of good quality and new (including new products made of recycled materials, pursuant to Texas Health and Safety Code § 361.426), and fit for the uses intended. Defective items shall be removed from the construction site promptly and at the Contractor's expense. If requested by the Authorized Representative, Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment used for the Project. All materials and equipment shall be applied, installed, connected, erected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, unless otherwise provided in the Contract Documents. Any Supplier or manufacturer furnishing these items shall be experienced in the design and construction of such materials, and shall be an established supplier of the items and materials. The Contractor shall schedule its other operations so as not to interfere with its duty to timely furnish the necessary equipment, materials facilities, and personnel to operate the same at the times necessary for the orderly and timely completion of the Project. Title to materials delivered to the Construction Site or a staging area will pass to the County upon delivery without the necessity for further documentation. Risk of loss will not pass to the County until Final Acceptance.
- 4.40 Defective Work: The County and the Design Engineer may disapprove or reject Work with either believes to be defective, or believes will not produce a completed Project that conforms to the Contract Documents, or will jeopardize the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. The Contract shall bear all losses, damages, costs, and claims related to remedying defective work.
- 4.41 Uncovering Work: The Contractor shall uncover the Work in the following circumstances:
- a. If any Work, including the work of Subcontractors or others, that is to be inspected, tested, or approved is covered by the Contractor or Subcontractor without written concurrence of the Authorized Representative, or if any Work is covered contrary to the written request of the Authorized Representative, it must, if requested by the Authorized Representative, be uncovered and recovered at the Contractor's expense.
 - b. If the Authorized Representative considers it necessary or advisable that covered Work be observed, inspected, or tested, the Contractor shall uncover, expose, or

otherwise mark available for observation, inspection, or testing that portion of the Work in question, furnishing all necessary labor, material, and equipment. If it is found that such Work is defective, the Contractor shall pay all claims, costs, losses, and damages caused by, arising out of, or resulting from such uncovering, exposure, observation, inspection, and testing and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and the County shall be entitled to an appropriate decrease in the Contract Amount, and may make claim therefore. If such Work is not found to be defective, the Contractor may be allowed an increase in the Contract Price, or an extension of the Contract Time, or both, which is directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction.

4.42 Contractor's Remedy for Delay, Disruption, or Hindrance. Contractor and County contemplate that Contractor's performance may be delayed, disrupted, or interfered with by unanticipated causes including but not limited to the following:

- a. Severe and unavoidable natural disasters such as fires, floods, epidemics and earthquakes;
- b. Abnormal weather conditions;
- c. Acts or failures to act of the County, third party utility owners, or other third party entities; and
- d. Acts of war or terrorism.

Contractor and the County agree Contractor's sole remedy for delays in performance of the Work, whether or not such delays are foreseeable, is an extension of the Contract Time, except as provided in Section 4.43. Contractor shall receive no compensation or damages of any kind for delays, disruptions, or hindrances to the Work. The County's exercise of any of its rights or remedies under the Contract including, without limitation, ordering changes in the Work or directing suspension, rescheduling, or correction of the Work, regardless of the extent or frequency of the County's exercise of such rights or remedies, shall not be construed as intentional interference with Contractor's performance of the Work. The sole remedy of Contractor for any delay, disruption, or hindrance caused by the County's exercise of any of its rights or remedies under the Contract Documents shall be strictly limited to an extension of the Contract Time, except as expressly provided in Section 4.43.

In no event shall the Contractor be entitled to any compensation or recovery of any special damages in connection with any delays, disruptions, or hindrances, including without limitation: consequential damages, lost opportunity costs, impact damages, indirect damages, exemplary damages, compensation for unjust enrichment, attorney's fees or other similar damages or costs.

4.43 Direct and Unavoidable Costs: In the event the County is the sole cause of a delay, disruption, or hindrance by acts or omissions that constitute fraud, intentional misrepresentation, gross negligence, or intentional interference with Contractor's performance of the Work, Contractor may receive compensation for direct and unavoidable

extra costs only to the extent such acts continue after Contractor notifies the County in writing of such conduct. The direct and unavoidable costs must be specifically proved, and caused solely by the proven wrong. When such extra compensation is claimed, a written statement thereof shall be presented by Contractor to the County, and if found by the County to be correct, shall be approved.

- 4.44 No Authority to Act of Behalf of County: The Contractor agrees and understands that neither it, nor any of its agents, employees, or Subcontractors may act in the name of the County unless specifically authorized in writing by the County.

SECTION 5. PREVAILING WAGES

- 5.1 Required Compliance with Texas Government Code Chapter 2258: This Project is subject to the prevailing wage rate requirements of Chapter 2258 of the Texas Government Code, and the Davis-Bacon Act Wage Determination # TX20260299 provided below. All persons employed by Contractor shall be compensated at not less than the rates shown below. Contractor shall keep records of each worker employed by the Contractor or a subcontractor in the construction of the Project, including each worker's name, occupation, and the actual per diem wage paid to each worker. Said records shall be open at all reasonable hours to inspection by the County and its officers and agents. If Contractor pays any worker less than the below stated rates at any time, the Contractor shall pay Waller County sixty dollars (\$60.00) per day for each worker employed by the Contractor for the provision of services described herein for each calendar day or part of the day that the worker is paid less than the below stated rates. Contractors may also visit www.wdol.gov/dba.aspx.

General Decision Number: TX20260299 05/18/2026

Superseded General Decision Number: TX20250299

State: Texas

Construction Type: Highway

Counties: Austin, Brazoria, Chambers, Fort Bend, Galveston, Hardin, Harris, Jefferson, Liberty, Montgomery, Orange, San Jacinto and Waller Counties in Texas.

Modification Number Publication Date

0 01/02/2026

1 05/18/2026

SATX2025-013 11/15/2023

	Rates	Fringes
Asphalt Distributor Operator	\$23.26	0.00
Asphalt Paving Machine Operator	\$22.67	0.00
Asphalt Raker	\$20.41	0.00
Broom or Sweeper Operator	\$17.63	0.00
Concrete Finisher, Paving and Structures	\$20.79	0.00
Concrete Pavement Finishing Machine Operator	\$22.18	0.00
Concrete Paving, Curing, Float Texturing Machine		

Operator	\$22.62	0.00
Concrete Saw Operator	\$21.57	0.00
Crane Operator, Hydraulic 80 tons or less	\$24.75	0.00
Crane Operator, Lattice Boom 80 tons or less	\$25.74	0.00
Crane Operator, Lattice Boom over 80 tons	\$23.85	0.00
Crawler Tractor Operator	\$20.33	0.00
Electrician	\$31.46	0.00
Excavator Operator, 50,000 pounds or less	\$21.53	0.00
Excavator Operator, Over 50,000 pounds	\$22.24	0.00
Flagger	\$16.63	0.00
Form Builder/Setter, Structures	\$19.93	0.00
Form Setter, Paving & Curb	\$19.32	0.00
Foundation Drill Operator, Crawler Mounted	\$22.25	0.00
Foundation Drill Operator, Truck Mounted	\$26.04	0.00
Front End Loader Operator, 3CY or less	\$19.72	0.00
Front End Loader Operator, Over 3CY	\$20.34	0.00
Laborer, Common	\$17.12	0.00
Laborer, Utility	\$19.11	0.00
Loader/Backhoe Operator	\$21.37	0.00
Mechanic	\$23.38	0.00
Milling Machine Operator	\$21.65	0.00
Motor Grader Operator, Fine Grade	\$23.91	0.00
Motor Grader Operator, Rough	\$21.20	0.00
Off Road Hauler	\$17.12	0.00
Painter, Structures	\$26.40	0.00
Pavement Marking Machine Operator	\$17.12	0.00
Piledriver	\$21.48	0.00
Pipelayer	\$20.03	0.00
Reinforcing Steel Worker	\$22.34	0.00
Roller Operator, Asphalt	\$19.79	0.00
Roller Operator, Other	\$18.93	0.00
Servicer	\$20.33	0.00
Spreader Box Operator	\$17.84	0.00
Structural Steel Worker	\$22.64	0.00
Truck Driver Lowboy Float	\$25.94	0.00
Truck Driver, Single Axle	\$21.93	0.00
Truck Driver, Single or Tandem Axle Dump Truck	\$18.60	0.00
Truck Driver, Tandem Axle Tractor with		
Semi Trailer	\$20.17	0.00
Welder	\$20.97	0.00
Work Zone Barricade Servicer	\$17.37	0.00

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject to the Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at least \$13.65 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract from May 11, 2026 through December 31, 2026. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under Executive Order 13658 is available at www.dol.gov/whd/gov-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2024, in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing this classification and rate.

Union Average Rate Identifiers

The UAVG identifier indicates that no single majority rate prevailed for those classifications; but that, 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The "SU" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFLA2022-007 6/27/2024. SU indicates that the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6 (c) (1).

State Adopted Rate Identifiers

The "SA" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the SA identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * a survey underlying a wage determination
- * an existing published wage determination
- * an initial WHD letter setting forth a position on a wage determination matter
- * an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to da-visbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

SECTION 6. PAYMENT

- 6.1 Payment: Waller County shall pay the Contractor according to the contract in current funds for the Contractor's performance, as stated herein, after issuance of a Notice to Proceed and a purchase order issued by the Waller County Procurement Director. In no event will Contractor be paid the entire contract price prior to beginning work, or prior to completion of the work.

- 6.2 Retainage: The County shall withhold a ten percent (10%) retainage from each Application for Payment, which shall be paid subject to Sections 6.6 and 6.7.
- 6.3 Applications for Payment: Waller County shall make progress payments to the Contractor as provided below.
- a. The Contractor shall submit Applications for Payment to the Waller County Treasurer's Office, 836 Austin Street, Suite 2200, Hempstead, Texas 77445 in a form acceptable to the County. Each Application for Payment must be filled out and signed by the Contractor, and cover the Work that is completed as of the date of the Application and be accompanied by sufficient supporting documentation.
 - b. With each Application for Payment, the Contractor must submit an affidavit certifying that Contractor has paid in full any bills submitted to the Contractor for labor, material and expendable equipment that Contractor used in the performance of Work or the provision of services under the Contract. The certifying affidavit must be provided to the County before the applicable Application for Payment will be approved for payment.
 - c. Applications for Payment shall not include requests for payment related to changes in the Work which have not been authorized through a Change Order.
 - d. Applications for Payment shall not include requests for payment of amounts that the Contractor does not intend to pay to a Subcontractor or Supplier because of a dispute or other reason.
 - e. The period covered by each Application for Payment shall be one calendar month beginning on the first day of the month, and ending on the last day of the month. A complete and accurate Application for Payment must be submitted to the County Treasurer not later than the 15th day of the month following the month in which the work was performed.
 - f. The Application for Payment shall indicate the percentage of completion of each portion of the Project as of the end of the period covered by the application for payment.
 - g. Subject to the provisions of the Contract Documents, the amount of each progress payment shall be computed as follows:
 - i. Take that portion of the contract sum properly allocable to the completed Project less retainage of ten percent (10%).
 - ii. Add that portion of the contract sum properly allocable to materials and equipment delivered and suitably stored at the site for subsequent incorporation in the completed construction (or, if approved by Waller County, suitably stored off the site at a location agreed upon in writing), less retainage of ten percent (10%).
 - iii. Subtract the aggregate of previous payments made by Waller County.
 - h. Payment will be made by the County in accordance with Texas Government Code, Chapter 2251.

6.4 Final Payment: If, upon Final Completion and on the basis of observation of the Work during construction, final inspection, and review of the final Application for Payment and accompanying documentation as required by the Contract Documents, the Authorized Representative is satisfied that the Work has been completed and Contractor's other obligations under the Contract Documents have been fulfilled, there are no outstanding claims, and punch list items have been completed, the Authorized Representative will recommend the final Application for Payment for approval to the Waller County Commissioners Court. Final payment shall constitute the entire unpaid, undisputed balance of the Contract Price. The Contractor may make application for final payment following the procedure for progress payments after the Contractor has complied with the requirements of Section 6.3 to the County's satisfaction, and delivered the following documents:

- a. Affidavit by Contractor certifying the payment of all debts and claims;
- b. The Record Documents identified in Section 13;
- c. Consent to surety, if any, to final payment. If surety is not provided, complete and legally effective releases or waivers that are satisfactory to the County of all claims arising out of or filed in connection with the Work;
- d. Certificate evidencing that any applicable requirement for insurance will remain in force after final payment and through the warranty period;
- e. Proof of performance bond extension through warranty period, if a performance bond was required; and
- f. Any other documentation called for in the Contract Documents.

Final payment is considered to have taken place when the Contractor, or any of its representatives negotiates the County's final payment check, whether labeled final or not, for cash or deposits check in any financial institution for its monetary return.

6.5 Review of Applications for Payment and Payment: The Authorized Representative will, within seven (7) calendar days after receipt of each Application for Payment, either indicate a recommendation for payment and forward the Application for processing by the County, or return the Application to the Contractor indicating the Authorized Representative's reasons for not recommending payment. If the Authorized Representative does not recommend payment, the Contractor shall make the necessary corrections and resubmit the Application.

- a. By recommending payment, the Authorized Representative does not represent that:
 - i. Exhaustive or continuous on-site inspections have been made to check the quality or quantity of the Work;
 - ii. Examination has been made to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Price; or
 - iii. Contractor's construction means, methods, techniques, sequences, or procedures have been reviewed.

- 6.6 County's Right to Withhold Payment: The County may withhold or nullify the whole or part of any payment to such extent as the County deems necessary in the event that:
- a. Defective work is not remedied as required by the County and in the time frame required by the County;
 - b. A third party files a claim or there is reasonable evidence indicating probable filing of such claims;
 - c. Contractor fails to make payments properly to Subcontractors for labor, materials, or equipment;
 - d. There is reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Amount;
 - e. There is damage to the County or another contractor;
 - f. There is reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay;
 - g. The Contractor fails to submit a schedule of values in accordance with the Contract Documents;
 - h. The Contractor fails to maintain a record of changes on drawings and documents;
 - i. The Contractor fails to maintain weekly payroll reports and, as applicable, provide copies of reports in a timely manner upon request of the County;
 - j. The Contractor fails to submit monthly subcontractor reports;
 - k. Contractor neglects or unsatisfactorily prosecutes of the Work, including fails to clean up; or
 - l. The Contractor fails to comply with any provision of the Contract Documents.
- 6.7 Reason for Withholding Payment Removed: When the above reasons for withholding payment are removed, the Contractor shall resubmit an Application for Payment for the value of the Work performed. Payment will be made in accordance with Texas Government Code Chapter 2251.
- 6.8 Payment to Subcontractors when Payment Withheld: Subcontractors may request Partial Payment when the County withholds payment of an invoice to the Contractor for any reason listed in Section 6.6. If the payment is withheld by the County, the Contractor shall notify all affected Subcontractors within two (2) working days of notice that payment is being withheld. Upon notification, Subcontractors may submit a formal written request for Partial Payment to the Contractor and the County. If directed by the County, the Contractor shall within three (3) working days resubmit to the County an invoice for the same period that includes only work performed by the requesting Subcontractors during this period. The County will review this resubmitted invoice. Upon receipt of payment for the resubmitted invoice, the Contractor shall pay the Subcontractor within ten (10) calendar days.

SECTION 7. COMPLETION, TRANSFER, AND ACCEPTANCE

- 7.1 **Substantial Completion:** When the Contractor considers that the Work, or a portion thereof which the County agrees to accept separately, is substantially complete, the Contractor shall notify the Authorized Representative, and request a determination as to whether the Work, or a designated portion thereof is substantially complete. If the Authorized Representative does not consider the Work to be substantially complete, the Authorized Representative will notify Contractor in writing, and give the reasons therefor. If Owner's Representative considers the Work to be substantially complete, the Authorized Representative will prepare and deliver a Certificate of Substantial Completion, which shall establish the date of Substantial Completion, shall include a punch list of items to be completed or corrected before final payment, and shall establish the time within which the Contractor shall finish the punch list. Failure to include an item on the punch list does not alter the Contractor's responsibility to complete all Work in accordance with the Contract Documents. If an inspection is required by public authorities having jurisdiction over the Work, such inspection must be made and passed before the Work, or any portion thereof will be considered substantially complete.
- 7.2 **Final Inspection:** Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, the County will make a final inspection with Contractor, and provide written notice of all the particulars in which inspection reveals that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.
- 7.3 **Punch List:** Upon the occurrence of Substantial Completion, the punch list items shall be promptly commenced and thereafter completed within thirty (30) days after final completion.

SECTION 8. TERM, SUSPENSION OF WORK, AND TERMINATION

- 8.1 **Agreement Term:** The term of this Agreement shall begin on the date of execution, and shall continue until the complete performance of the terms and conditions of this Contract by the parties unless either party terminates this Contract in accordance with its terms.
- 8.2 **Suspension by County for Convenience:** The County may, in its sole discretion and without cause, order the Contractor in writing to suspend or interrupt the Project in whole or in part for such period of time as the County may determine. In the event the County suspends or interrupts the Work, an adjustment may be made to account for any change in the actual cost of performance of the Work caused by the suspension, or interruption. No adjustment shall be made for an increase in the Contract Price if the performance of the work is, was, or would have been so suspended, delayed, or interrupted by another cause for which the Contractor is responsible, or when an equitable adjustment is made or denied under another provision of this Contract.
- 8.3 **Automatic Termination:** This Agreement shall automatically terminate upon complete performance of the terms and conditions of the Agreement by each Party, or otherwise in accordance with its terms.
- 8.4 **Termination for Insolvency and Bankruptcy:** The County, in its sole discretion, may immediately terminate this Agreement without notice or the opportunity to cure if Contractor becomes insolvent or files any petition for bankruptcy.

- 8.5 Termination for Cause: Upon seven (7) calendar days' notice to Contractor, the County may terminate the Contract for cause if the Contractor:
- a. Persistently or repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
 - b. Fails to make payment to Subcontractors for materials or labor in accordance with respective agreements between the Contractor and the Subcontractor;
 - c. Disregards laws, ordinances, rules, regulations, or orders of public authority having jurisdiction concerning the Project: or
 - d. Otherwise commits substantial breach of a provision of the Contract Documents.
- 8.6 Termination for Convenience: Upon seven (7) calendar days' written notice to Contractor, the County may, in its sole discretion and without penalty or prejudice to any right or remedy of County, terminate this Contract for convenience and without cause at any time. The written notice must be provided in accordance with Section 18.19. The notice must state the reasons for such termination, and provide an effective date of the termination. The notice may also contain instructions necessary to protect, store, or decommission any incomplete work or systems, and/or for safety. Upon receipt of such notice, Contractor shall immediately proceed with the following obligations regardless of whether a dispute regarding the Contract exists:
- a. Stop all work;
 - b. Comply with any instructions contained in the termination notice;
 - c. Place no further subcontracts or order for materials or services;
 - d. Terminate all subcontracts for convenience;
 - e. Cancel all materials and equipment orders as applicable; and
 - f. Take appropriate action to protect and preserve all property related to the Contract which is in the possession of Contractor.
- 8.7 Notice of Termination: The terminating Party shall provide seven (7) days written notice of termination to the other Party as provided in Section 18.19.
- 8.8 Discretionary Opportunity to Cure: A Party receiving notice of termination for failure to perform in accordance with the terms of this Agreement shall have the opportunity to cure its failure to perform beginning on the day of its receipt of the written notice, and continuing for thirty (30) calendar days thereafter. The cure, if made, shall be to the terminating Party's satisfaction. If no cure is made, the Agreement will terminate on the date specified in the written termination notice, or if no date is specified, on the thirtieth (30th) calendar day after the date of receipt of the notice, unless otherwise agreed by the Parties.
- 8.9 County's Rights After Termination: In the event of termination, the County may immediately take possession of the site, and of all materials, equipment, tools, and construction equipment and machinery thereon. The County may finish the Project by whatever reasonable method it deems expedient.
- 8.10 Duty to Mitigate: In the event of termination or suspension under this Contract, the

Contractor shall take all reasonable actions to mitigate its damages and any and all claims which may be asserted against the County.

- 8.11 Responsibility During Demobilization: While demobilizing, the Contractor shall take all necessary and reasonable actions to preserve and protect the Work, the site, and other property of the County or others at the site.
- 8.12 Payment After Termination: In the event the County terminates the Contract, the County shall pay the Contractor only for work performed prior to the date of termination, and that is satisfactory to County. Contractor shall not be entitled to lost or anticipated profits should the County choose to exercise its option to terminate. Not later than 30 days after the date of termination, the Contractor shall submit to County a final termination settlement proposal to the County for Work already performed. If any of the Work contained in the settlement proposal is not satisfactory to the County, the County shall provide written notice to the Contractor. The County shall only pay for the portion of the Work that it determines in good faith to be satisfactory. If Contractor fails to submit the settlement proposal within the time specified, the County may unilaterally determine the amount owed to Contractor. Payment of the amount determined by the County shall be full satisfaction of any claim or debt due by County to Contractor under the Contract.

SECTION 9. RIGHT TO ASSURANCE

- 9.1 Right to Assurance: In the event that the county has a reason to question the Contractor's intent or ability to perform its obligations under the Contract, the County may demand that the Contractor give written assurance of its intent to perform, its plan to properly continue performance, and a detailed timeline for completion of the Project. The Contractor shall provide a written response to County that addresses the County's demand for written assurance within five (5) business days. If Contractor fails to provide the written response, the County may treat the failure as an anticipatory repudiation of the Contract.

SECTION 10. INSURANCE

- 10.1 Insurance Coverages: Contractor shall carry insurance in the types and amounts indicated below, which shall include items owned by the County in the care, custody, and control of the Contractor prior to and during construction and warranty period. It is intended that policies required by this Contract covering both the County and the Contractor shall be considered primary coverages as applicable. Contractor shall provide the County with certificates of insurance evidencing compliance with the requirements of this Section. The certificates shall indicate the name of the Contractor, the name of the insurance company, the policy number, and the term and limits of coverage. The insurance coverage must be with a company having Best's rating of A/VII or better, authorized to do business in the State of Texas at the time the policies are issued and in force, and shall be of the following types and limits:
- a. Workers Compensation insurance in accordance with applicable law. Substitutes to genuine Workers' Compensation Insurance will not be allowed.
 - b. Employers' Liability insurance with limits of not less than \$1,000,000 per injury by accident, \$1,000,000 per injury by disease, and \$1,000,000 per bodily injury by disease.
 - c. Comprehensive general liability insurance with a limit of not less than \$1,000,000

each occurrence and \$2,000,000 in the annual aggregate. Policy shall cover liability for bodily injury, personal injury, and property damage and products/completed operations arising out of the business operations of the policy holder.

- d. Business Automobile Liability coverage for owned, non-owned, and hired vehicles, with a combined Bodily Injury/Property Damage with minimum limits of not less than \$1,000,000 each accident. The policy shall cover liability arising from the operation of licensed vehicles by policyholder.
- e. Builder's Risk Insurance or Installation Insurance on an all risk physical loss form in the Contract Amount. Coverage shall continue until the Work is accepted by the County. The County shall be a loss payee on the policy. If off-site storage is permitted, coverage shall include transit and storage in an amount sufficient to protect property being transported or stored.

- 10.2 Additional Insured: Contractor's insurance policies that cover performance under this Contract shall name the County an additional insured, except for Workers' Compensation and Professional Liability, if required. All endorsements naming the County as additional insured, waivers, and notices of cancellation of endorsements, as well as the Certificates of Insurance shall indicate: Waller County, Texas, 836 Austin Street, Suite 4300, Hempstead, Texas 77445.
- 10.3 Certificates of Insurance: Contractor shall provide the County with properly executed certificates of such insurance before the Contract is executed as verification of the coverage required in Section 10.1. The certificates shall indicate that all required insurance coverages are effective as of the Effective Date, and that such insurance shall not be canceled, except on thirty (30) days prior written notice to the County. The Contract shall not commence Work until the required insurance is obtained and until such insurance has been reviewed by the County. The Contractor must also provide Certificates of Insurance when a previously identified policy period has expired as verification of continuing coverage.
- 10.4 Certified Copies of Insurance Policies: The Contractor shall provide the County with certified copies of the required insurance policies and endorsements thereto upon request and without expense to the County.
- 10.5 Responsibility for Insurance: The Contractor shall be responsible for premiums, deductibles, and self-insured retentions, if any, state in the policies. All deductibles or self-insurance retentions shall be disclosed on the Certificates of Insurance.
- 10.6 No Decrease in Liability: The County's acceptance or approval of the certificates of insurance or certified copies of insurance policies shall not relieve, decrease, or limit Contractor's liability. The insurance coverages required under this Contract are required minimum and are not intended to limit the responsibility of liability of the Contractor.
- 10.7 No Cancellation or Modification: The Contractor shall continuously maintain the required insurance coverages during the Contract Term. Contractor shall not cancel or modify the insurance coverages required by this Agreement without providing thirty (30) days written notice to the County. Contractor shall not allow a lapse in the insurance coverage specified in this Contract for the duration of the Contract.

- 10.8 Workers Compensation Certification: By signing this Contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the County that all employees of the Contractor who will provided services on the Project will be covered by workers' compensation coverage for the duration of the Project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of self-insured, with the Texas Worker's Compensation Commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject Contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.
- 10.9 County Occupancy: All insurance shall provide for the County to take occupancy of the Work or any part thereof during the term of said insurance.
- 10.10 Failure to Comply: Contractor's failure to comply with any of these provisions is a breach of Contract by Contractor which entitles the County to declare the Contract void if Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the County.

SECTION 11. BONDS

- 11.1 Bonds Required: The Contractor must furnish the County with both a Performance Bond and a Payment Bond. Bonds shall be executed on forms acceptable to the County. Performance Bonds and Payment Bonds must be issued in an amount of one hundred percent (100%) of the Contract Amount as security for the faithful performance and/or payment of all of Contractor's obligations under the Contract Documents. Performance Bonds and Payment Bonds shall be issued by a solvent surety company duly authorized to do business in the State of Texas, and licensed in the State of Texas to issue surety bonds with a Best Rating of A/VII or better, and shall meet any other requirements established by law or by the County pursuant to applicable law.
- 11.2 Surety Acceptable to County: The surety company must be acceptable to the County. If the County rejects the Contractor's proposed surety company, the Contractor must obtain the required bonds from a surety acceptable to the County within five (5) days of the County's rejection.
- 11.3 Extension Through Warranty Period: The required Performance Bond must extend through any applicable warranty period.
- 11.4 Bond Signed by Agent: All bonds signed by an agent must be accompanied by a certified copy of such agent's authority to act.
- 11.5 Surety Declares Bankruptcy: If the surety on any bond furnished by the Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in the State of Texas, or it ceases to meet the requirements of the preceding paragraph, Contractor shall within ten (10) days thereafter substitute another bond and surety, both of which must be acceptable to the County.

SECTION 12. INDEMNIFICATION

- 12.1 **INDEMNITY FOR BODILY INJURY OR DEATH CLAIMS: TO THE FULLEST EXTENT PERMITTING BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS THE COUNTY AND ITS OFFICERS,**

DIRECTORS, CONTRACTORS, EMPLOYEES, REPRESENTATIVES, AND AGENTS FROM AND AGAINST ALL CLAIMS, LOSSES, EXPENSES, COSTS, DEMANDS, SUITS, CAUSES OF ACTION, AND DAMAGES, INCLUDING WITHOUT LIMITATION, ATTORNEYS' FEES AND EXPENSES, FOR BODILY INJURY OR DEATH OF ANY EMPLOYEE OF CONTRACTOR, ITS AGENTS, OR ITS SUBCONTRACTORS OF EVERY TIER, EVEN IF THE BODILY INJURY OR DEATH IS CAUSED BY OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE OR PARTIAL NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ANY INDEMNITEE

- 12.2 **GENERAL INDEMNITY: CONTRACTOR, ITS OFFICERS, DIRECTORS, PARTNERS, CONTRACTORS, EMPLOYEES, REPRESENTATIVES, AGENTS, SUCCESSORS, ASSIGNS, VENDORS, GRANTEES, AND/OR TRUSTEES (COLLECTIVELY REFERRED TO AS "CONTRACTOR" FOR PURPOSES OF THIS SECTION), AGREE TO RELEASE, DEFEND, INDEMNIFY, AND HOLD HARMLESS THE COUNTY AND ITS OFFICERS, OFFICIALS, DEPARTMENT HEADS, REPRESENTATIVES, AGENTS, AND EMPLOYEES (COLLECTIVELY REFERRED TO AS "COUNTY" FOR PURPOSES OF THIS SECTION) FROM ANY AND ALL CLAIMS, DEMANDS, DAMAGES, INJURIES – INCLUDING DEATH AND BODILY INJURY – LIABILITIES, AND EXPENSES (INCLUDING ATTORNEY'S FEES AND COSTS OF DEFENSE) ARISING DIRECTLY OUT OF OR RESULTING FROM THE OPERATION OR PERFORMANCE OF CONTRACTOR UNDER THIS AGREEMENT. THE COUNTY WILL NOT ACCEPT LIABILITY FOR INJURIES THAT ARE THE RESULT OF THE NEGLIGENCE, MALFEASANCE, ACTION, OR OMISSION OF CONTRACTOR. CONTRACTOR AGREES TO ACCEPT LIABILITY FOR INJURIES TO ITSELF OR OTHERS CAUSED BY ITS OWN NEGLIGENCE, MALFEASANCE, ACTION, OR OMISSION. THIS INDEMNIFICATION PROVISION IS ALSO SPECIFICALLY INTENDED TO APPLY TO, BUT NOT BE LIMITED TO, ANY AND ALL CLAIMS, WHETHER CIVIL OR CRIMINAL, BROUGHT AGAINST COUNTY BY ANY GOVERNMENT AUTHORITY OR AGENCY RELATED TO ANY PERSON PROVIDING SERVICES UNDER THIS AGREEMENT THAT ARE BASED ON ANY FEDERAL IMMIGRATION LAW AND ANY AND ALL CLAIMS, DEMANDS, DAMAGES, ACTIONS, AND CAUSES OF ACTION OF EVERY KIND AND NATURE, KNOWN AND UNKNOWN, EXISTING OR CLAIMED TO EXIST, RELATING TO OR ARISING OUT OF ANY EMPLOYMENT RELATIONSHIP BETWEEN CONTRACTOR AND ITS EMPLOYEES OR SUBCONTRACTORS AS A RESULT OF THAT SUBCONTRACTOR'S OR EMPLOYEE'S EMPLOYMENT AND/OR SEPARATION FROM EMPLOYMENT WITH THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO ANY DISCRIMINATION CLAIM BASED ON SEX, SEXUAL ORIENTATION OR PREFERENCE, RACE, RELIGION, COLOR, NATIONAL ORIGIN, AGE OR DISABILITY UNDER FEDERAL, STATE OR LOCAL LAW, RULE OR REGULATION, AND/OR ANY CLAIM FOR WRONGFUL TERMINATION, BACK PAY, FUTURE WAGE LOSS, OVERTIME PAY, EMPLOYEE BENEFITS, INJURY SUBJECT TO RELIEF UNDER THE WORKERS' COMPENSATION ACT OR WOULD BE SUBJECT TO RELIEF**

UNDER ANY POLICY FOR WORKERS COMPENSATION INSURANCE, AND ANY OTHER CLAIM, WHETHER IN TORT, AGREEMENT, OR OTHERWISE.

COUNTY SHALL HAVE THE RIGHT TO APPROVE DEFENSE COUNSEL TO BE RETAINED BY CONTRACTOR IN FULFILLING ITS OBLIGATION TO DEFEND AND INDEMNIFY COUNTY HEREUNDER, UNLESS SUCH RIGHT IS EXPRESSLY WAIVED BY COUNTY IN WRITING. COUNTY RESERVES THE RIGHT TO PROVIDE A PORTION OR ALL OF ITS OWN DEFENSE; HOWEVER, COUNTY IS UNDER NO OBLIGATION TO DO SO. ANY SUCH ACTION BY COUNTY IS NOT TO BE CONSTRUED AS A WAIVER OF CONTRACTOR'S OBLIGATION TO DEFEND COUNTY OR AS A WAIVER OF CONTRACTOR'S OBLIGATION TO INDEMNIFY COUNTY PURSUANT TO THIS AGREEMENT. IF CONTRACTOR FAILS TO RETAIN COUNTY APPROVED DEFENSE COUNSEL WITHIN TEN (10) BUSINESS DAYS OF COUNTY'S WRITTEN NOTICE THAT COUNTY IS INVOKING ITS RIGHT TO INDEMNIFICATION UNDER THIS AGREEMENT, COUNTY SHALL HAVE THE RIGHT TO RETAIN DEFENSE COUNSEL ON ITS OWN BEHALF, AND CONTRACTOR SHALL BE LIABLE FOR ALL REASONABLE ATTORNEY FEES AND COSTS INCURRED BY COUNTY. CONTRACTOR AND COUNTY AGREE TO FURNISH TIMELY WRITTEN NOTICE TO EACH OTHER OF ANY SUCH CLAIM.

THIS SECTION SHALL SURVIVE THE TERMINATION OF THIS AGREEMENT.

SECTION 13. RECORDS AND AUDITS

- 13.1 Record Copy: Contractor shall maintain a record copy of all Drawings, Specifications, Addenda, Change Orders, and written interpretations and clarifications in good order and annotated to show all changes made during construction. These documents, together with all final samples and all final Shop Drawings shall be available to the County and the Design Engineer during performance of the Work. Upon Substantial Completion of the Work, these records and documents, samples, and Shop Drawings shall be promptly delivered to the Authorized Representative.
- 13.2 Document Ownership: The County shall be the absolute and unqualified owner of all drawings, preliminary layouts, record drawings, sketches, as-built drawings and other documents, including those identified in Section 13.1, prepared by the Contractor pursuant to this Contract. The Contractor shall deliver all such documents to the County prior to submitting the final Application for Payment. Neither the Contractor nor any Subcontractor shall reuse any such documents or copies on any other project without the written consent of both the County and the Design Engineer.
- 13.3 Record Preservation and Maintenance: The Contractor shall maintain and preserve accurate and complete records relating to the Project for a period of five (5) years measured from the expiration of the defects period, termination of this Contract, until all audit and litigation matters that the County has brought to the attention of the Contractor are resolved, or as otherwise required by law, whichever is longer. Upon request, the Contractor shall provide the County with such records. This Section 13.3 shall survive termination of the Contract.

- 13.4 Right to Inspect, Examine, Reproduce, and Audit: Waller County, and any of its duly authorized employees or agents, shall have the right to inspect, examine, reproduce, and audit the books and records of the Contractor generated by or on behalf of Contractor, whether paper, electronic, or other media, which are in any way related to performance of or compliance with this Contract, including, but not limited to:
- a. Accounting records;
 - b. Written policies and procedures;
 - c. Subcontract files (including proposals of successful and unsuccessful bidders, and other related documents);
 - d. Original estimates and estimating work sheets;
 - e. Correspondence;
 - f. Change Order files;
 - g. Back charge logs and supporting documentation;
 - h. General ledger entries detailing cash and trade discounts earned, insurance rates, and dividends;
 - i. Lump sum agreements between Contractor and any Subcontractor or Supplier;
 - j. Records necessary to evaluate Contract compliance, Change Order pricing, and any Claim submitted by Contractor or any of its payees; and
 - k. Any other Contractor record that may substantiate any charge related to this Contract.
- 13.5 Survival of Terms: Waller County's right to inspect, examine, reproduce, and audit under this section for the same period of years that Contractor is required to maintain and preserve records under Section 13.3.

SECTION 14. SILENCE OF SPECIFICATIONS

- 14.1 Silence of Specifications: The apparent silence of specifications as to any detail, or the apparent omission of a detailed description concerning any point, shall be regarded as meaning that only the best commercial practice is to prevail, and that only material and workmanship of the finest quality are to be used. All interpretations of specifications shall be made on the basis of this statement. The items furnished under this contract shall be new, unused of the latest product in production for commercial trade. The materials used and workmanship provided shall be of the highest quality.

SECTION 15. INDEPENDENT CONTRACTOR

- 15.1 Independent Contractor: The Contractor and its employees are independent contractors. Contractor shall exercise independent judgment in performing its duties under this Contract, and is solely responsible for setting working hours, scheduling or prioritizing its work flow, and determining how the work is to be performed. No term or provision of this Contract shall be construed as creating an employer/employee relationship, partnership, or a joint venture. Contractor agrees and understands that the Contract does not grant any rights or privileges established for employees of the County.

SECTION 16. LIMIT OF APPROPRIATIONS

- 16.1 Limit of Appropriations: Funds for payment of this Contract have been provided through the County budget approved by Commissioners Court for this fiscal year only. The State of Texas law prohibits the obligation and expenditure of public funds beyond the current fiscal year. The fiscal year for the County extends from January 1 of each calendar year until December 31 of the same calendar year. It is the expectation of the County that funding will be available to pay for the expenditures related to this Contract. Notwithstanding anything to the contrary in this Contract, if at any time during the term of this Contract the Commissioners Court of the County fails to provide funding for this Contract during the County's following fiscal year, does not adopt a budget for expenditures, or is only able to partially fund the expenditures required by this Contract, the County may, upon giving Contractor written notice of such failure, terminate this Contract, or a part hereof without any further liability to Contractor. Neither County, its elected officials, employees, agents, insurers, attorneys, nor any other individual acting on behalf of County may make any representation or warranty as to whether any appropriation will, from time to time, be made by the Waller County Commissioners Court. The failure of County to appropriate sufficient funds will not cause the County to be in default under this Agreement, and Contractor's sole and exclusive remedy shall be to terminate this Agreement. The County shall pay Contractor for any services already rendered under this Contract prior to the effective date of the termination.

SECTION 17. TEXAS REQUIRED CERTIFICATIONS

- 17.1 No Boycotting Israel: By signature affixed hereto, Contractor certifies that it does not currently boycott Israel, and will not boycott Israel during the term of this Contract.
- 17.2 Texas Comptroller's List of Prohibited Companies: By signature affixed hereto, Contractor certifies that it is not listed on the website of the Texas Comptroller concerning the listing of companies that are identified under Texas Government Code §§ 806.051, 807.051, or 2253.153.
- 17.3 No Energy Company Boycott: By signature affixed hereto, Contractor certifies that it does not currently boycott energy companies, and will not boycott energy companies during the term of this Contract.
- 17.4 No Discrimination Against Firearm and Ammunition Industries: By signature affixed hereto, Contractor certifies that it does not currently discriminate against firearm and ammunition industries, and that it will not during the term of this Contract.

SECTION 18. MISCELLANEOUS PROVISIONS

- 18.1 Jurisdiction and Venue: This Contract is made in and shall be construed according to the laws of the State of Texas, without regard to its conflict of laws provisions. Venue of any court action(s) brought directly or indirectly by reason of this Contract shall be in a court of competent jurisdiction in Waller County, Texas. This Contract is made and is to be performed in Waller County, Texas.
- 18.2 Right of Review: The County may review any and all of the goods and services performed by Contractor under this Agreement. The County is granted the right to audit, at the County's election, all of Contractor's records and billings related to the performance of this Contract as may be reasonably necessary. Any payment, settlement, satisfaction, or

release made or provided during the course of performance of this Contract shall be subject to County's rights as may be disclosed by a review under this Section.

- 18.3 No Waiver: No claim or right arising out of a breach of this Contract can be discharged in whole or in part by a waiver or renunciation of the claim or right unless the waiver or renunciation is supported by consideration and is in writing signed by the aggrieved Party. The County's failure to require strict performance of any provision of this Contract does not waive or diminish the County's right thereafter to demand strict compliance with that or any other provision. The County's waiver or failure to exercise in any respect any right provided for in this Contract shall not be deemed a waiver of any further right under this Contract. The County does not waive, modify, or alter to any extent any of its defenses, immunities, or remedies.
- 18.4 No Personal Liability: Nothing herein shall be construed as creating any personal liability for any officer, agent, or employee of the County.
- 18.5 Severability: If any provision of this agreement is invalid, illegal, or unenforceable under any applicable statute, court decision, or rule of law, it is to that extent deemed to be omitted. In such event, there shall be substituted for such deleted provision a provision as similar as possible in terms and in effect to such deleted provision that is valid, legal, or enforceable. The remainder of the agreement shall be valid and enforceable to the maximum extent possible.
- 18.6 Entire Agreement: This Contract, together with all of its appendices, embodies the complete agreement of the Parties hereto, superseding all oral or written previous and contemporary agreements between the Parties and relating to matters in this Contract. By entering into this Contract, the Parties do not intend to create any obligations, express or implied, other than those specifically set out in this Contract.
- 18.7 Modification: The Contract may not be modified, altered, or amended except by written instrument duly authorized by the Waller County Commissioners Court and executed by both Parties.
- 18.8 Titles Not Restrictive: The titles assigned to the various sections and paragraphs of this Contract are for convenience only. Titles shall not be considered restrictive of the subject matter of any part of this Contract.
- 18.9 Tax Exempt: The County is a tax-exempt entity under Texas Tax Code § 151.039, and will not pay a tax from which it is exempt. Tax exempt paperwork will be provided upon written request for the purchase of any items qualifying for exemption under this Contract. In accordance with applicable laws and regulations, Contractor shall issue its Texas Resale Certificate to vendors and subcontractors for items that qualify for exemption. The Contractor shall be responsible for paying any and all taxes assessed, in whole or in part, on the Project or the Work. The County will not pay for, or reimburse Contractor for any tax from which it is exempt.
- 18.10 No Arbitration: A dispute arising under this Contract shall not be subject to arbitration.
- 18.11 Waiver of Subrogation: Contractor, Subcontractor's, and their insurance carriers waive any and all rights whatsoever with regard to subrogation against County as indirect parties to any suit arising out of personal or property damages resulting from Contractor's or Subcontractor's, or their employees' performance under this Contract.

- 18.12 Successors and Assigns: Waller County and the Contractor bind themselves, and their permitted successors executors, administrators, and assigns to this Contract. Neither Party shall assign, sublet, or transfer its interest, in whole or in part, in this Contract without the prior written consent of the other Party. The following conditions must be met before any permitted assignment becomes effective: a) Contractor must give written notice of a proposed assignment to the County at least thirty (30) days prior to the effective date of the assignment; b) the assignee must explicitly accept all of Contractor's obligations under this Contract; c) Contractor must retain its obligations to the County under this Contract until the assignment is effective; d) the assignment must be executed by both Contractor and the assignee; e) Contractor must provide the County a fully executed assignment agreement not later than five (5) business days after the assignment is signed, and f) the County provides a signed, written consent to the assignment.
- 18.13 Illegal Price Fixing: Contractor agrees to assign to the County any rights it may have to bring antitrust suits against its Suppliers for overcharges on materials incorporated in the Project growing out of illegal price fixing agreements. Contractor further agrees to cooperate with the County should the County which to prosecute suits against Suppliers for illegal price fixing.
- 18.14 Right to Offset: No money shall be paid by the County upon any claim, debt, demand, or account to any person, firm, corporation, or entity who owes taxes or any other debt to the County. The County shall be entitled to offset any such debt, claims, demand, or account by deducting the amount of taxes due to the County from any payment due to the Contractor. No assignment, or transfer of any such debt, claim, demand, or account after said taxes are due or other debt accrues shall affect the right of the County to so offset said taxes or other debt against the Contractor.
- 18.15 No Third-Party Beneficiaries: This Contract does not inure to the benefit of any third party, except permitted successor or assigns.
- 18.16 Authority to Sign: Signatories to this Contract represent and warrant that they have the authority to bind the respective parties.
- 18.17 Public Communications: Contractor shall not, under any circumstance, release any material or information developed in the performance of its services hereunder without the express written permission of the County, except where required by law to do so. If required by law to release any material or information, Contractor shall notify the County before the release. County shall be solely responsible for communicating with and providing information to the news media, citizens of Waller County, and other governmental agencies.
- 18.18 Confidentiality: The County is bound by Texas Government Code Chapter 552, the Public Information Act, and other laws concerning government records. Contractor shall clearly and noticeably mark all confidential information and documents it provides to the County pursuant to this Contract. The County will make good faith efforts to promptly notify Contractor if any such information is requested in a public information request, subpoena, or other method so Contractor may argue against the release of such information. Contractor recognizes and understands that the final decision as to what information must be disclosed pursuant to the PIA lies with the Texas Attorney General. Contractor further agrees that the County may furnish information acquired through or pursuant to this

Contract and that is requested through the PIA to the Texas Attorney General for a determination of whether the information must be disclosed. Neither the County, nor any of its officers, or employees shall have any liability or obligation to any party for the disclosure to the public, or to any person or persons, of any items or data furnished to the County by Contractor in reliance on any statute, court opinion, court order, or the advice, decision, or opinion of the Texas Attorney General.

- 18.19 Notices: Notices delivered hereunder shall be in writing and shall be delivered by personal delivery or certified mail, return receipt requested. Mailed notices shall be deemed received three (3) business days after the notice is placed in the mail with proper postage paid. Any notice or certification to be provided pursuant to this Agreement shall be delivered to the following persons, unless a substitute representative is designated in writing:

To the County

Attn: County Judge
836 Austin Street, Suite 4300
Hempstead, Texas 77445

With a copy to:

Waller County Road & Bridge Dept.
Attn: Ross McCall
775 Bus 290 East
Hempstead, Texas 77445

To Contractor:

As indicated on
Bidder's Business
Information Sheet

END

Contract Special Terms and Conditions

Bidder must clearly identify on this form whether it requests any Special Terms and Conditions that deviate from the Bid Documents, including the Contract Documents, or any other requirements contained in the IFB. Complete and detailed information regarding deviations must be clearly identified on this form. The County will consider any Special Terms and Conditions in its Contract award decision, and reserves the right to accept or reject a Bid based upon any submitted deviation.

In the absence of the identification on this form of requested deviations, Bidder must fully comply with the Bid Documents and Contract Documents and all other requirements associated with this IFB if awarded a Contract under this IFB. A deviation will not be effective unless it is accepted by the County. The County may, in its sole discretion, seek clarification from and/or communicate with Bidder(s) regarding any submitted deviation, consistent with general procurement principles of fair competition. The County reserves the right to accept or reject a Bid based upon any submitted deviation.

Please mark one of the following:

- ☐ Bidder requests NO deviations.
- ☐ Bidder requests deviations.

Specifically identify the language and location or section of the Bid Documents and/or Contract Documents that Bidder is requesting a deviation from, and provide the specific language to be substituted as Special Terms and Conditions. **Attach the sheet(s) containing the requested deviations to his form.**

Company Name

Date

Signature of Authorized Company Official

Printed Name

Contract Sheet

**Contract Sheet
Bid 26-011**

**THE STATE OF TEXAS
COUNTY OF WALLER**

This Contract is made and entered into on the _____ day of _____, 2025, by and between Waller County, Texas, a political subdivision of the State of Texas (“County”), acting through County Judge Carbett “Trey” Duhon, III by virtue of an order of Waller County Commissioners Court, and _____, of the City of _____, County of _____, and State of _____ (“Contractor”) (referred to individually as “Party,” and collectively as “Parties”).

In consideration of the promises, performances, payments, and agreements set forth herein, Contractor hereby agrees to commence and complete the following Project: **Reconstruction of Adams Flat Road for Waller County**, and all Work in accordance with the Contract Documents, which are incorporated herein by reference and made a part hereof for all purposes as if each were set out at length, word for word, and the County agrees to pay the Contractor the total amount of:

\$	
(Figures)	(Words)

The Contractor hereby agrees to commence work on the date specified in the written Notice to Proceed to be issued by the County, and to finally complete construction of the improvements, as required by the Contract Documents within _____ calendar days. Waiver of any breach of this Contract shall not constitute waiver of any subsequent breach.

In consideration of the award and execution of this Contract, and in consideration of the waiver of its right to attorney’s fees by the County, the Contractor knowingly and intentionally waives its right to attorney’s fees under Texas Local Government Code Section 271.153 in any administrative proceeding, alternative dispute resolution proceeding, or litigation arising out of or connected to this Contract.

The County agrees to pay the Contractor from available funds for performance of the Contract in accordance with the Bind and provisions of the Contract Documents, subject to additions and deductions, as provided therein.

The County’s payment obligations are payable only and solely from funds available for the purposes of this Contract.

It is further agreed that this contract shall not become binding or effective until signed by the parties hereto and a purchase order authorizing the items desired has been issued.

Although drafted by the County, the Contract, in the event of any disputes over its meaning or application, shall be interpreted fairly and reasonably, and neither more strongly for nor against either Party.

This Contract is executed to be effective upon the date of the last signature affixed hereto.

The undersigned, by their signature, represents that they are authorized to bind the Contractor to fully comply with the Contract. The Contractor, by signing below, acknowledges that they have read the entire Contract, and agree to be bound by the terms contained therein.

Approved this _____ day of _____ 20_____.

Waller County, Texas

County Judge, Carbett “Trey” Duhon, III

By: Signature of Contractor

Date

Date

Printed Name and Title of Signatory

ATTEST

Debbie Hollan, County Clerk



DEBARMENT CERTIFICATION

Neither my company nor an owner or principal of my company has been debarred, suspended, or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension," as described in the Federal Register and Rules and Regulations. Neither my company nor an owner or principal of my company is currently listed on the government-wide exclusions in SAM, debarred, suspended, or otherwise excluded by agencies or declared ineligible under any statutory or regulatory authority. My company agrees to immediately notify Waller County if my company or an owner or principal is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under any statutory or regulatory authority.

By signature below, I certify that the above is true, complete, and accurate, and that I am authorized by my company to make this certification.

Company Name

Date

Signature of Authorized Company Official

Printed Name

NO ISRAEL BOYCOTT CERTIFICATION

Effective September 1, 2017, as amended effective May 7, 2019 (H.B. 793), a Texas governmental entity may not enter into a contract with a value of \$100,000 or more that is to be paid wholly or partly from public funds with a company (excluding a sole proprietorship) that has 10 or more full-time employees for goods or services unless the contract contains a written verification from the company that it: (1) does not boycott Israel; and (2) will not boycott Israel during the term of the Contract. (Tex. Gov't Code Ch. 2270). Accordingly, this certification form is included to the extent required by law.

"Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes. Tex. Gov't Code §808.001(1).

By signature below, I certify and verify that Vendor does not boycott Israel and will not boycott Israel during the term of any contract awarded under this RFP, that this certification is true, complete, and accurate; and that I am authorized by my company to make this certification.

Company Name

Signature of Authorized Company Official

Printed Name



NO ENERGY COMPANY BOYCOTT CERTIFICATION

Effective September 1, 2021, a Texas governmental entity may not enter into a contract with a value of \$100,000 or more that is to be paid wholly or partly from public funds with a company (excluding a sole proprietorship) that has 10 or more full-time employees for goods or services unless the contract contains a written verification from the company that it: (1) does not boycott energy companies currently; and (2) will not boycott energy companies during the term of the Contract. (Tex. Gov't Code Ch. 2274). Accordingly, this certification form is included to the extent required by law.

“Boycott Energy Companies” means without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

(a) engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; or

(b) does business with a company described by Paragraph (a) above. Tex. Gov't Code §809.001(1).

“Company” means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit. (Tex. Gov't Code Ch. 2274.001(2)).

By signature below, I certify and verify that Vendor does not boycott energy companies and will not boycott energy companies during the term of any contract awarded under this RFP, that this certification is true, complete, and accurate; and that I am authorized by my company to make this certification.

Company Name

Date

Signature of Authorized Company Official

Printed Name



NO DISCRIMINATION AGAINST FIREARM AND AMMUNITION INDUSTRIES CERTIFICATION

Effective September 1, 2021, Chapter 2274 of the Texas Government Code provides that a Texas governmental entity may not enter into a contract with a company (excluding a sole proprietorship) for the purchase of goods or services unless the contract contains a written verification from the company that it (1) does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association, and (2) will not discriminate during the term of the contract against a firearm entity or firearm trade association. (Tex. Gov't Code §2274). Accordingly, this certification form is included to the extent required by law.

"Discriminate against a firearm entity or firearm trade association" means, with respect to the entity or association, to (1) refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; (2) refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or (3) terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association. The phrase does not include (1) the established policies of a merchant, retail seller, or platform that restrict or prohibit the listing or selling of ammunition, firearms, or firearm accessories; and (2) a company's refusal to engage in the trade of any goods or services, decision to refrain from continuing an existing business relationship, or decision to terminate an existing business relationship:

- (a) to comply with federal, state, or local law, policy, or regulations or a directive by a regulatory agency; or
- (b) for any traditional business reason that is specific to the customer or potential customer and not based solely on an entity's or association's status as a firearm entity or firearm trade association.

"Company" means a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or associations that exists to make a profit.

By signature below, I certify and verify that Vendor does not discriminate against firearm and ammunition industries; that this certification is true, complete, and accurate; and that I am authorized by my company to make this certification.

Company Name

Date

Signature of Authorized Company Official

Printed Name

**Request for Taxpayer
Identification Number and Certification**

Go to www.irs.gov/FormW9 for instructions and the latest information.

**Give form to the
requester. Do not
send to the IRS.**

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.)	
	2 Business name/disregarded entity name, if different from above.	
	3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. ☐ Individual/sole proprietor ☐ C corporation ☐ S corporation ☐ Partnership ☐ Trust/estate ☐ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. ☐ Other (see instructions) _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ (Applies to accounts maintained outside the United States.)
	3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions ☐	
	5 Address (number, street, and apt. or suite no.). See instructions.	Requester's name and address (optional)
	6 City, state, and ZIP code	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number											
				-				-			
or											
Employer identification number											
					-						

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person	Date
------------------	--------------------------	------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

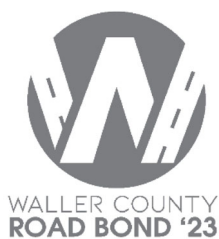
What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they



WALLER COUNTY ENGINEERING DEPARTMENT | WALLER COUNTY ROAD BOND '23 | TRILOGY ENGINEERING SERVICES

PROJECT MANUAL

ADAMS FLAT ROAD RECONSTRUCTION

FM 359 TO WILSON ROAD

Waller County, Texas

Submittal 100% Project Manual

Date May 2026

PREPARED FOR	PREPARED BY
Waller County Engineering Department	Trilogy Engineering Services

Project Manual Contents

Technical Specifications • Bid Forms • Summary of Work • Utility Adjustment Summary • Geotechnical Report



PROJECT MANUAL

Adams Flat Road Reconstruction | FM 359 to Wilson Road

TABLE OF CONTENTS

Section	Manual Tab	Contents / Description
I	Summary of Work	General description of project scope, roadway reconstruction, drainage improvements, and related work.
II	List of Technical Specifications	Includes index of applicable Harris County, TxDOT, and project-specific specifications.
III	Utility Adjustment Summary	Includes utility conflict table, SUE maps, and utility coordination/supporting information.
IV	Geotechnical Report	Geotechnical recommendations, pavement section, subgrade treatment, and construction considerations.

ADAMS FLAT ROAD RECONSTRUCTION

FM 359 TO WILSON ROAD | WALLER COUNTY, TEXAS

PROJECT MANUAL SECTION



Summary of Work

Summary of Work

Waller County 2023 Mobility Bond | 23301 Adams Flat Road

The scope of work includes the reconstruction of Adams Flat Road from FM 359 to Wilson Road in Waller County, Texas, for an approximate project length of 1.86 miles.

The proposed improvements include reconstruction of the existing two-lane asphalt roadway while maintaining the rural open-ditch drainage system within the existing right-of-way. The proposed roadway section generally consists of two 11-foot travel lanes for a total pavement width of 22 feet, with 2-foot shoulders/berms on each side.

The pavement reconstruction includes a 3-inch hot-mix asphalt surface course, 10-inch flexible base, and 8-inch cement-treated subgrade in accordance with the geotechnical recommendations and applicable County requirements.

The drainage scope includes roadside ditch grading, driveway culvert replacements, cross-culvert improvements, driveway tie-ins, safety end treatments, guardrail improvements, and related grading adjustments to maintain positive drainage along the corridor.

Existing private driveway access will be maintained during construction to the extent practical. Temporary driveway access, phased culvert construction, and traffic control measures will be provided as needed to support construction operations and maintain public safety.

Traffic control, permanent signing and pavement markings, storm water pollution prevention, erosion control, seeding/hydromulch, and final site restoration are included as part of the project scope.

The work shall be constructed in accordance with the project plans, applicable Waller County requirements, Harris County 2023 Standard Specifications where referenced, TxDOT standards where applicable, and all project-specific notes and details.

General Project Elements

Element	Summary
Roadway	Reconstruct Adams Flat Road from FM 359 to Wilson Road; 22-ft asphalt pavement width with 11-ft lanes.
Pavement	3 in. HMA surface course, 10 in. flexible base, and 8 in. cement-treated subgrade.
Drainage	Open roadside ditch grading, driveway culverts, cross culverts, and positive drainage tie-ins.
Access	Maintain driveway access where practical; provide temporary access and phased construction as needed.
Safety / Restoration	SETs, guardrail, signing, pavement markings, SWPPP, erosion control, and final restoration.

ADAMS FLAT ROAD RECONSTRUCTION

FM 359 TO WILSON ROAD | WALLER COUNTY, TEXAS

PROJECT MANUAL SECTION



List of Technical Specifications

ADAMS FLAT ROAD RECONSTRUCTION

Index of Technical Specifications

90% Submittal | April 2026

Notice of Specifications

For construction of this project, the Contractor shall use the Specifications, Project Drawings, and the Harris County Engineering Department & TxDOT Standard Specifications applicable to the contract documents. Unless otherwise directed by the County or the contract documents, the current governing Harris County standard specification reference is the 2023 Standard Specifications for the Construction of Roads and Bridge, and the current governing TxDOT specification is the 2024 version, as listed below:

Reference	Use / Applicability	Official Link
Harris County 2023 Standard Specifications	Primary Harris County specification reference for this project, unless contract documents direct otherwise.	https://oce.harriscountytexas.gov/Portals/43/Documents/2023-Standard%20Specifications/HCED-EN0-SS-001-00-C_Standard%20Specifications%2010.26.2023%20(Final).pdf
Harris County Standard Engineering Design Specifications Page	Official HCED page with 2023 specifications and archived 2017/2016/2015/2014 versions.	https://oce.harriscountytexas.gov/Services/Consultants-Resources-and-Specifications/Standards-Specification/Standard-Engineering-Design-Specifications
Harris County Standard 2023 Standard id Items	Bid Items Codes and Descriptions	https://oce.harriscountytexas.gov/Portals/43/Documents/2023-Standard%20Bid%20Item%20Code/HCED-EN0-SS-002-00-C_Item%20Codes%20and%20Descriptions%2010.10.2023%20(Final).pdf
TxDOT 2024 Standard Specifications	Use for TxDOT items, TxDOT special specifications, or where referenced by the plans/bid form.	https://www.txdot.gov/content/dam/docs/specifications/2024/spec-book-0924.pdf
TxDOT Specifications Page	Official TxDOT page for current specifications, special provisions, special specifications, bid codes, and updates.	https://www.txdot.gov/business/resources/txdot-specifications/2024-standard-specifications.html

Note: The index below was developed from the Adams Flat Road 90% Bid Form. Project-specific details, drawing and notes, govern where they modify or supplement the standard specifications.

Index of Technical Specifications

Harris County Specifications (2023 Revision)

ITEM NO.	SPEC NO.	SPECIFICATION SECTION
1	HC 100	Preparing Right-of-way (Minimal, includes incidental debris removal and localized clearing within project limits only.)
2	HC 104	Remove Concrete Driveways (All Depths)
3	HC 105	Remove and Dispose Existing Asphaltic Surface and Base Material (All Depths)
4	HC 105	Remove and Dispose Existing Asphalt & Gravel Driveway and Base Material (All Depths)
5	HC 108	Remove and Dispose of Existing Plastic Pipe (All Sizes)
6	HC 108	Remove and Dispose of Existing Concrete Pipe (All Sizes)
7	HC 110	Roadway and Ditch Excavation
8	HC 502	Remove and Relocate Existing Signs and Mailboxes
9	HC 502	Remove and Dispose Existing Signs and Mailboxes
10	HC 247	Flexible Base Course (Residential Driveways), 8-inch
11	HC 247	Flexible Base Course (Roadway), 10-inch
12	HC 275	Cement for Subgrade Stabilization
13	HC 275	Manipulation of Cement for Stabilized Subgrade, 8-inch
14	HC 292	Dense-Graded Hot-Mix Asphalt Base Course (TY-B PG64-22) (Commercial Driveways)
15	HC 312	Tack Coat (CSS-1H)
16	HC 314	Emulsified Asphalt Prime Coat
17	HC 341	Dense-Graded Hot-Mix Asphalt Surface Course (TY-D SAC-B PG64-22) (Roadway & Driveways)
18	HC 400	8" Cement-Stabilized Sand for Commercial Driveways
19	HC 530	High Early Strength Concrete Driveway, 7-inch
20	HC 540	Terminal Section (Timber Post) (12 Gauge) (Furnish and Install)
21	HC 540	Metal Beam Guard Fence With Mow Strip (Timber Post) (12 Gauge) (Furnish and Install)
22	HC 110	Ditch Regrading – Selected Areas as per Profiles
23	HC 402	Trench Excavation Protection (5 FT to 10 FT)
24	HC 464	Reinforced Concrete Pipe (Cross Culverts) (Circular) (24") (CL III)
25	HC 464	Reinforced Concrete Pipe (Circular) (42") (CL III)
26	HC 464	Reinforced Concrete Pipe (Circular) (48") (CL III)
27	HC 464	Reinforced Concrete Pipe, C76, Class III, Tongue & Groove, Driveway (24")
28	HC 467	SET (TYPE II) (24 IN RCP) (4:1) (CD-SPR)
29	HC 467	SET (TYPE II) (42 IN RCP) (4:1) (CD-SPR)
30	HC 467	SET (TYPE II) (48 IN RCP) (4:1) (CD-SPR)
31	HC 636	Installation of Permanent Signs (Signs, Poles, Anchors, and Hardware)
32	HC 636	Traffic Sign - Plaque
33	HC 658	Delineators and Object Markers (Independently Housed)
34	HC 666	Retroreflectorized Pavement Markings (Type I) (4 in, White, Solid, Thermoplastic) (90 Mil)
35	HC 666	Retroreflectorized Pavement Markings (Type I) (4 in, Yellow, Solid, Thermoplastic) (60 Mil)
36	HC 666	Retroreflectorized Pavement Markings (Type I) (4 in, Yellow, Dashed, Thermoplastic) (90 Mil)
37	HC 666	Retroreflectorized Pavement Markings (Type I) (24 in, White, Solid, Thermoplastic) (90 Mil)
38	HC 666	Retroreflectorized Pavement Markings (Type II) (Single Arrow)
39	HC 666	Retroreflectorized Pavement Markings (Type II) (Double Arrows)
40	NOT USED	NOT USED
41	HC 694	Traffic Control - Flaggers, Barricades, Barriers, Barrels, Cones, and Signing
42	HC 694	Temporary Commercial Driveways - Furnish-Install & Remove
43	HC 694	Temporary Residential Driveways - Furnish-Install & Remove
44	HC 697	Construction Detours (6-in Hot-Mix Asphalt)

45	HC 164	Seeding for Erosion Control
46	HC 591	Temporary Sediment-Control Fence (60% installation and 40% removal)
47	HC 591	Rock Filter Dam (Type 2, 60% installation and 40% removal)
48	HC 591	SWPPP Inspection and Maintenance (Min. Bid - \$6,000.)
49	HC 130	Off-site Borrow Material
50	HC 265	Lime (Hydrated Lime - Dry)
51	HC 265	Fly Ash (Class FS)
52	HC 265	Lime-Fly Ash Treatment Subgrade (Road-Mixed), 8-12 inch
53	HC 432	Reinforced Concrete Slope Paving (5")
54	HC 501	Tree Protection and Trimming
55	HC 501	Tree Protection with Barrier (Orange Fence)
56	HC 561	Video Recording Construction
57	HC 695	Off-Duty Uniformed Peace Officer - As Directed by Engineer (Min. Bid \$65/HR)

Project Drawings / Details

ITEM NO.	SPEC NO.	SPECIFICATION SECTION
58	DWGs	Project Drawings / Details / Notes (project sign, driveway isolation joint detail, and other details as shown)

TxDOT Specifications / Special Specifications

ITEM NO.	SPEC NO.	SPECIFICATION SECTION
59	TxDOT 560	Mailbox Assemblies / Mailbox Relocation and Installation
60	TxDOT 681	Temporary Traffic Signals
61	TxDOT SS 6028	Dynamic Message Sign
62	TxDOT 466	Headwalls and Wingwalls

PROJECT MANUAL SECTION



Utility Adjustment Summary

ADAMS FLAT ROAD RECONSTRUCTION

Utility Conflict Summary

Project No. 23301 | FM 359 to Wilson Road | 100% Submittal

Overview

The updated utility conflict matrix identifies 44 utility entries along Adams Flat Road. The facilities include underground telephone, water, fiber, electric, and pipeline assets. Most entries remain no-conflict overhead electric crossings/poles or utilities recommended to be protected in place. Compared with the 90% summary, the updated matrix now also shows relocation coordination for selected Pattison WSC water crossings in addition to Consolidated Communication telephone crossings.

Total Entries	No Conflict	Protect in Place	Relocation
44	23	12	9

Summary by Utility Owner

Utility Owner	Entries	Facility	Action Summary	Notes
Consolidated Communication	12	Telephone	6 protect / 6 relocate	Crossing conflicts require relocation coordination.
Pattison WSC	6	Water	3 protect / 3 relocate	QLA water crossings now identified for relocation coordination.
AT&T	1	Fiber	Protect	Underground FOC near pavement/ditch.
San Bernard Electric COOP	24	Electric	23 no conflict / 1 protect	Mostly overhead crossings/poles; field verify.
Aspen Midstream	1	Pipeline	Protect	30-inch steel pipeline crossing.

Conflict Status and Investigation Level

Category	Count	Percent	Comment
No conflict	23	52%	No utility adjustment anticipated based on current design.
Minimize - Protect in Place	12	27%	Field verification/protection required during construction.
Accommodate - Relocation	9	21%	Relocation coordination required with utility owner.

Level	Count	Typical Utility/Condition	Design Implication
QLA	4	Pattison WSC water crossings and Aspen Midstream pipeline	Highest confidence; use for protection and clearance review.
QLB	15	Consolidated Communication, Pattison WSC, and AT&T underground facilities	Confirm relocation/protection decisions with utility owner.
QLC	25	Mostly San Bernard Electric overhead wire/pole information	Field verify before construction.

Items Requiring Relocation Coordination

The updated matrix identifies both Consolidated Communication telephone crossings and Pattison WSC water crossings requiring relocation coordination.

ID	Start Sta.	End Sta.	Offsets	Owner	Facility	Action
5	1+35.38	1+54.68	-33.3 to 20.55	Consolidated Communication	Telephone	Relocate
6	1+83.50	2+11.22	-28.0 to 28.0	Consolidated Communication	Telephone	Relocate
10	6+20.26	6+20.26	-20.0 to 31.0	Consolidated Communication	Telephone	Relocate
11	6+27.37	6+27.37	-28.0 to 28.0	Pattison WSC	Water	Relocate
20	17+39.96	17+39.96	-28.0 to 28.0	Pattison WSC	Water	Relocate
30	25+38.64	25+38.64	-28.0 to 28.0	Pattison WSC	Water	Relocate
33	32+74.49	32+74.49	-28.0 to 28.0	Consolidated Communication	Telephone	Relocate
37	47+63.93	47+75.55	28.0 to -36.56	Consolidated Communication	Telephone	Relocate
39	58+42.04	58+42.04	-28.0 to 28.0	Consolidated Communication	Telephone	Relocate

QLA / Higher-Confidence Utility Locations

ID	Station Range	Owner	Facility	Size/Material	Conflict Description	Action
11	6+27.37	Pattison WSC	Water	4" PVC	Underground water line under the ditch and driveway	Relocate
20	17+39.96	Pattison WSC	Water	Unknown	Underground water line under the ditch and driveway	Relocate
30	25+38.64	Pattison WSC	Water	Unknown	Underground water line under the ditch and driveways	Relocate
38	54+35.63 to 54+78.69	Aspen Midstream	Gas	30" Steel	Underground pipeline	Protect in Place

Note: This summary is based on the updated utility conflict list dated 5/28/2026 prepared by Trilogy Engineering Services. Final resolution should be confirmed through utility-owner coordination, field verification, and any required relocation or protection agreements.

PROJECT MANUAL APPENDIX

III-A

Utility Conflict Table

ADAMS FLAT ROAD RECONSTRUCTION: Utility Conflict List

Project Name: Adams Flat Rd Reconstruction - Proj. No. 23301

Project Description: Reconstruction of 9,550 LF of 24' wide roadway extend from FM 359 to Wilson Rd

Developed/Revised By: Trilogy Engineering Services

Date: 5/28/2026

Utility Conflict ID	Start Station	Start Offset	End Station	End Offset	Utility Type	Utility Company	Utility Company Contact	Size and/or Material	Utility Conflict Description	Longitudinal or Crossing	Level of Utility Investigation	Recommended Action or Resolution
1	1+50	-87.51	6+50.27	-66.35	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	1-4" PVC	Underground telephone line under the proposed pavement and ditch	Longitudinal	QLB	Minimize - Protect in Place
2	1+50	-46.78	44+51.71	-26.5	Water	Pattison WSC	pattisonwatersupply@gmail.com	2-1" PVC	Underground water line under the ditch and driveway	Longitudinal	QLB	Minimize - Protect in Place
3	1+50	80.24	6+6.02	37.89	Fiber	ATT	conduit@att.com	3-1.5" PE	Underground FOC under the proposed pavement and ditch	Longitudinal	QLB	Minimize - Protect in Place
4	1+24.33	64.35			Electric	San Bernard Electric COOP	chohlt@sbec.org	Power Pole	Pole within the existing roadside ditch	Longitudinal	QLC	No conflict
5	1+35.38	-33.3	1+54.68	20.55	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	1-4" PVC	Underground telephone line under the proposed pavement and ditch	Crossing	QLB	Accommodate - Relocation
6	1+83.50	-28	2+11.22	28	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	1-4" PVC	Underground telephone line under the proposed pavement and ditch	Crossing	QLB	Accommodate - Relocation
7	2+40.91	28	3+45.45	-34	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
8	5+07.58	-28	6+20.45	-19.69	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	Unknown	Underground telephone line under the proposed ditch	Longitudinal	QLB	Minimize - Protect in Place
9	6+23.67	36.8	34+72.42	46.02	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	Unknown	Underground telephone line under the proposed ditch	Longitudinal	QLB	Minimize - Protect in Place
10	6+20.26	-20	6+20.26	31	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	Unknown	Underground telephone line under the proposed pavement and ditch	Crossing	QLB	Accommodate - Relocation
11	6+27.37	-28	6+27.37	28	Water	Pattison WSC	pattisonwatersupply@gmail.com	4" PVC	Underground water line under the ditch and driveway	Crossing	QLA	Accommodate - Relocation
12	6+33.29	-28	6+79.65	43	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	Minimize - Protect in Place
13	6+79.65	43			Electric	San Bernard Electric COOP	chohlt@sbec.org	Power Pole	No conflict, Pole within the existing roadside ditch	Longitudinal	QLC	No conflict
14	6+79.65	43	21+40.99	33.54	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No conflict, overhead power line parallel to te road	Longitudinal	QLC	No conflict
15	8+42.04	-28	74+82.74	-22.67	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	Unknown	Underground telephone line under the proposed ditch	Longitudinal	QLB	Minimize - Protect in Place
16	8+54.06	28	8+62.73	-28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
17	10+38.55	28	10+41.04	-28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
18	13+51.91	28	13+51.91	-28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
19	16+81.32	28	16+88.84	-28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
20	17+39.96	-28	17+39.96	28	Water	Pattison WSC	pattisonwatersupply@gmail.com	Unknown	Underground water line under the ditch and driveway	Crossing	QLA	Accommodate - Relocation
21	17+39.96	29.65	21+69.45	32.33	Water	Pattison WSC	pattisonwatersupply@gmail.com	Unknown	Underground water line under the ditch and driveways	Longitudinal	QLC	Minimize - Protect in Place
22	19+31.03	28	19+31.03	-28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict

ADAMS FLAT ROAD RECONSTRUCTION: Utility Conflict List

Project Name: Adams Flat Rd Reconstruction - Proj. No. 23301

Project Description: Reconstruction of 9,550 LF of 24' wide roadway extend from FM 359 to Wilson Rd

Developed/Revised By: Trilogy Engineering Services

Date: 5/28/2026

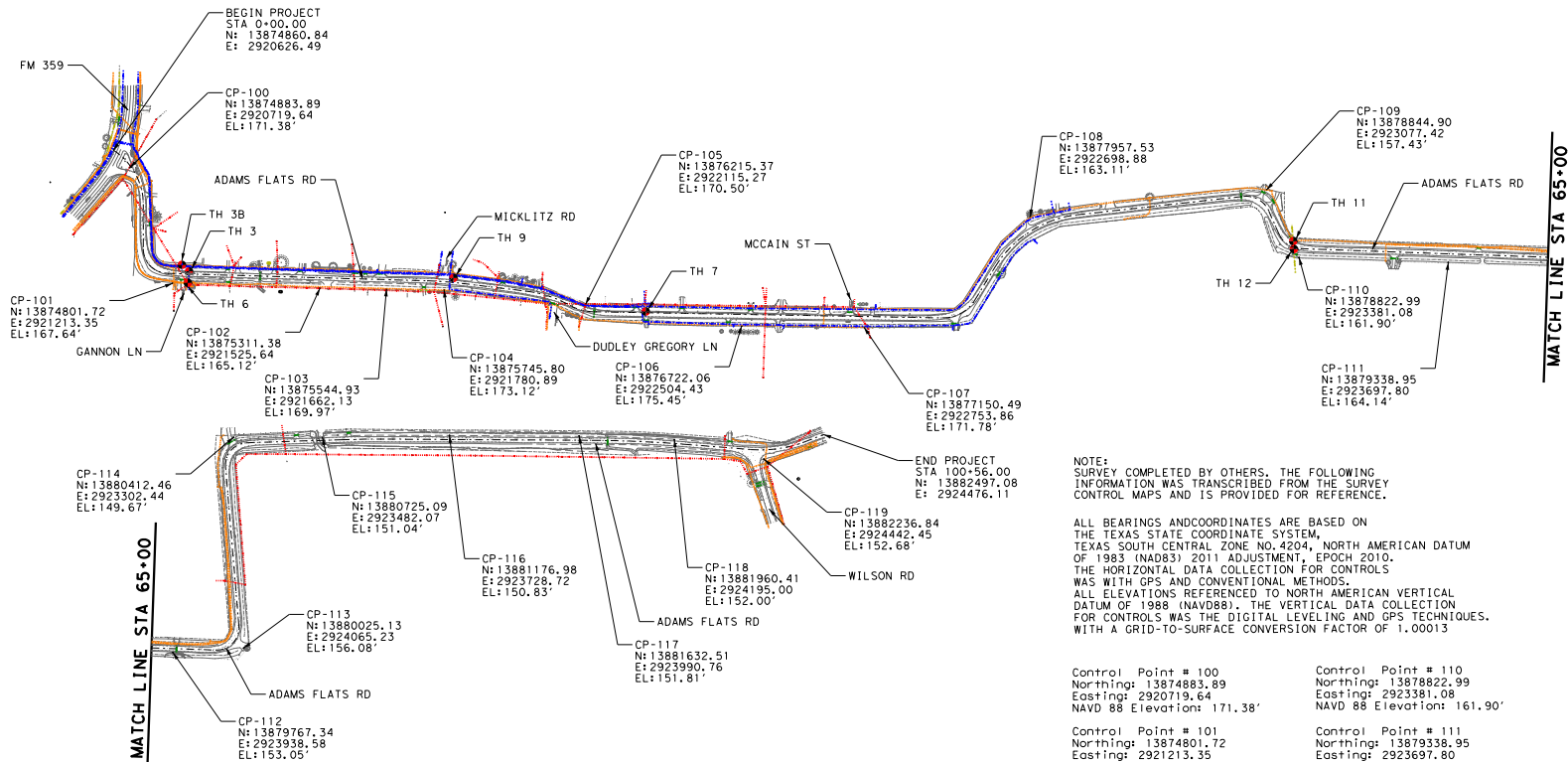
Utility Conflict ID	Start Station	Start Offset	End Station	End Offset	Utility Type	Utility Company	Utility Company Contact	Size and/or Material	Utility Conflict Description	Longitudinal or Crossing	Level of Utility Investigation	Recommended Action or Resolution
23	21+15.31	-28	21+38.56	28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
24	21+38.56	28	23+02.63	-28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
25	21+40.99	33.54	23+01.85	-27.64	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No conflict, overhead power line parallel to te road	Longitudinal	QLC	No conflict
26	23+02.63	-28			Electric	San Bernard Electric COOP	chohlt@sbec.org	Power Pole	Pole within the existing roadside ditch	Longitudinal	QLC	No conflict
27	23+00	28	23+00	-28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
28	23+01.85	-27.64			Electric	San Bernard Electric COOP	chohlt@sbec.org	Power Pole	No conflict, overhead power line parallel to te road	Longitudinal	QLC	No conflict
29	23+01.85	-27.64	33+95.84	37.26	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No conflict, overhead power line parallel to te road	Longitudinal	QLC	No conflict
30	25+38.64	-28	25+38.64	28	Water	Pattison WSC	pattisonwatersupply@gmail.com	Unknown	Underground water line under the ditch and driveways	Crossing	QLA	Accommodate - Relocation
31	25+38.64	36.1	42+66.32	35.15	Water	Pattison WSC	pattisonwatersupply@gmail.com	Unknown	Underground water line under the ditch and driveways	Longitudinal	QLB	Minimize - Protect in Place
32	30+36.73	28	30+36.73	-28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
33	32+74.49	-28	32+74.49	28	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	Unknown	Underground telephone line under the proposed pavement and ditch	Crossing	QLB	Accommodate - Relocation
34	33+95.84	37.26	34+55.25	49.44	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No conflict, overhead power line parallel to te road	Longitudinal	QLC	No conflict
35	34+02.19	-28	34+40.50	-28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
36	46+65.31	39.31	47+55.22	33.68	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	Unknown	Underground telephone line under the proposed ditch	Longitudinal	QLB	Minimize - Protect in Place
37	47+63.93	28	47+75.55	-36.56	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	Unknown	Underground telephone line under the proposed pavement and ditch	Crossing	QLB	Accommodate - Relocation
38	54+35.63	-40.26	54+78.69	38.04	Gas	Aspen Midstream	info@aspenmidstream.com	30" Steel	Underground pipeline	Crossing	QLA	Minimize - Protect in Place
39	58+42.04	-28	58+42.04	28	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	Unknown	Underground telephone line under the proposed pavement and ditch	Crossing	QLB	Accommodate - Relocation
40	70+78.75	40.14	71+01.35	-42.21	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
41	70+78.59	40.14	96+46.83	46.58	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
42	78+55.01	-28	78+61.43	28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict
43	96+5.60	-39.99	98+17.04	-21.25	Telephone	Consolidated Communication	brandon.tumis@consolidated.com	Unknown	Underground telephone line under the proposed ditch	Longitudinal	QLB	Minimize - Protect in Place
44	96+45	-28	96+45	28	Electric	San Bernard Electric COOP	chohlt@sbec.org	Overhead Wire	No Conflict; existing overhead line crossed the existing road	Crossing	QLC	No conflict

PROJECT MANUAL APPENDIX

III-B

SUE Maps

10/9/2025 Mr. 2025 Waller County Adams Flat Rd CADD-Sheet Files-LVL A-Sheet Files-UTL-SHT02-LP.dgn



NOTE:
SURVEY COMPLETED BY OTHERS. THE FOLLOWING
INFORMATION WAS TRANSCRIBED FROM THE SURVEY
CONTROL MAPS AND IS PROVIDED FOR REFERENCE.

ALL BEARINGS AND COORDINATES ARE BASED ON
THE TEXAS STATE COORDINATE SYSTEM,
TEXAS SOUTH CENTRAL ZONE NO. 4204, NORTH AMERICAN DATUM
OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010.
THE HORIZONTAL DATA COLLECTION FOR CONTROLS
WAS WITH GPS AND CONVENTIONAL METHODS.
ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL
DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION
FOR CONTROLS WAS THE DIGITAL LEVELING AND GPS TECHNIQUES.
WITH A GRID-TO-SURFACE CONVERSION FACTOR OF 1.00013

Control Point # 100
Northing: 13874883.89
Easting: 2920719.64
NAVD 88 Elevation: 171.38'

Control Point # 101
Northing: 13874801.72
Easting: 2921213.35
NAVD 88 Elevation: 167.64'

Control Point # 102
Northing: 13875311.38
Easting: 2921525.64
NAVD 88 Elevation: 165.12'

Control Point # 103
Northing: 13875544.93
Easting: 2921662.13
NAVD 88 Elevation: 169.97'

Control Point # 104
Northing: 13875745.80
Easting: 2921780.89
NAVD 88 Elevation: 173.12'

Control Point # 105
Northing: 13876215.37
Easting: 2922115.27
NAVD 88 Elevation: 170.50'

Control Point # 106
Northing: 13876722.06
Easting: 2922504.43
NAVD 88 Elevation: 175.45'

Control Point # 107
Northing: 13877150.49
Easting: 2922753.86
NAVD 88 Elevation: 171.78'

Control Point # 108
Northing: 13877957.53
Easting: 2922698.88
NAVD 88 Elevation: 163.11'

Control Point # 109
Northing: 13878844.90
Easting: 2923077.42
NAVD 88 Elevation: 157.43'

Control Point # 110
Northing: 13878822.99
Easting: 2923381.08
NAVD 88 Elevation: 161.90'

Control Point # 111
Northing: 13879338.95
Easting: 2923697.80
NAVD 88 Elevation: 164.14'

Control Point # 112
Northing: 13879767.34
Easting: 2923938.58
NAVD 88 Elevation: 153.05'

Control Point # 113
Northing: 13880025.13
Easting: 2924065.23
NAVD 88 Elevation: 156.08'

Control Point # 114
Northing: 13880412.46
Easting: 2923302.44
NAVD 88 Elevation: 149.67'

Control Point # 115
Northing: 13880725.09
Easting: 2923482.07
NAVD 88 Elevation: 151.04'

Control Point # 116
Northing: 13881176.98
Easting: 2923728.72
NAVD 88 Elevation: 150.83'

Control Point # 117
Northing: 13881632.51
Easting: 2923990.76
NAVD 88 Elevation: 151.81'

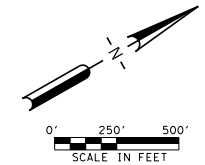
Control Point # 118
Northing: 13881960.41
Easting: 2924195.00
NAVD 88 Elevation: 152.00'

Control Point # 119
Northing: 13882236.84
Easting: 2924442.45
NAVD 88 Elevation: 152.68'

SHEET INDEX

SHEET NO.	NO OF NO.	DESCRIPTION
1	1 OF 1	TITLE
2	1 OF 1	PLAN LAYOUT AND SHEET INDEX
3	1 OF 1	SUMMARY DATA SHEET AND GENERAL NOTES
4	1 OF 7	TH 3
5	2 OF 7	TH 3B
6	3 OF 7	TH 6
7	4 OF 7	TH 7
8	5 OF 7	TH 9
9	6 OF 7	TH 11
10	7 OF 7	TH 12

Utility Contact Information					
Utility	Utility Type	Utility Contact	Phone	Email	Address
Pattison WSC	Water	N/A	281-394-2475	pattisonwatersupply@gmail.com	3608 Avenue E, Pattison, TX 77466
Consolidated Communications	Telephone Fiber	Brandon Tumis	281-396-5070	brandon.tumis@consolidated.com	N/A
Aspen Midstream	Gas	N/A	469-213-3294	info@aspenmidstream.com	3811 Turtle Creek Blvd, Dallas, TX 75219



10/9/2025

KCI TECHNOLOGIES K.C. ENGINEERS, PLANNERS, SURVEYORS & CONSTRUCTION MANAGERS 3 Riverway Drive, Suite 1500 Houston, TX 77056 Tel: 713-237-9800 TBE FIRM NO. 10573		 WALLER COUNTY
ADAMS FLAT RD PLAN LAYOUT AND SHEET INDEX		
DESIGN SP CHECK SP APPROVED CP	DATE 6 STATE TEXAS PRECINCT 3	FEDERAL AID PROJECT NO. N/A COUNTY WALLER PROJECT 23301
ROAD NAME ADAMS FLAT		SHEET NO. 41 / 106

DATA SUMMARY

Sht No.	Test Hole	Utility Location Description	Date	Northing	Easting	Station	Offset	Ground Elev	Depth(ft)	TOU	Utility Type	Pipe Size	Condition	Utility Owner	Utility Contact Name	Contact Phone	Utility Contact Email
4	3	APPROX. 0.70' NW OF ADAMS FLAT RD EOP APPROX. 148' SW OF PRIVATE DRIVE	9/9/2025	13874884.67	2921203.87	6+82.65	10.94' LT	164.94'	2.12'	162.82'	Water	4" PVC	Good	Pattison WSC	N/A	281-394-2475	pattisonwatersupply@gmail.com
5	3B	APPROX. 26.00' NW OF ADAMS FLAT EOP APPROX. 183.00' SW OF CONCRETE DRIVE	9/4/2025	13874872.25	2921166.37	6+52.57	36.55' LT	165.77'	1.15'	164.62'	Water	1" PVC	Good	Pattison WSC	N/A	281-394-2475	pattisonwatersupply@gmail.com
6	6	APPROX. 25.00' E OF ADAMS FLAT RD EOP APPROX. 12.50' NE OF GANNON LA NE	9/3/2025	13874857.09	2921241.57	6+78.65	35.60' RT	164.79'	5.10'	159.69'	Fiber Telephone	3 X 1.5" PE 1 X 4" PVC	Good	Consolidated Communications	Brandon Tumis	281-396-5070	brandon.tumis@consolidated.com
7	7	APPROX. 2.00' W OF ADAMS FLAT RD EOP APPROX. 23.00' N OF PRIVATE DRIVE	9/9/2025	13876413.05	2922260.36	25+51.78	4.22' LT	170.47'	4.52'	165.95'	Water	Dry Hole	Good	Pattison WSC	N/A	281-394-2475	pattisonwatersupply@gmail.com
8	9	APPROX. 6.00' W OF ADAMS FLAT RD EOP APPROX. 10.00' N OF MICKLITZ ROAD	9/9/2025	13875802.81	2921757.35	17+53.57	18.02' RT	172.49'	5.75'	166.74'	Water	Dry Hole	Good	Pattison WSC	N/A	281-394-2475	pattisonwatersupply@gmail.com
9	11	APPROX. 00.17' W OF ADAMS FLAT RD EOP APPROX. 745.00' S OF PRIVATE DRIVEWAY	9/5/2025	13878835.57	2923311.98	54+55.50	22.68' LT	159.43'	8.51'	150.92'	Gas	30" Steel	Good	Aspen Midstream	N/A	469-213-3924	info@aspenmidstream.com
10	12	APPROX. 3.00' W OF ADAMS FLAT RD APPROX. 5.00' N OF PRIVATE DRIVE	9/5/2025	13878822.05	2923340.74	54+70.54	06.04' RT	160.93'	9.40'	151.53'	Gas	30" Steel	Good	Aspen Midstream	N/A	469-213-3924	info@aspenmidstream.com

GENERAL NOTES:

1. THE SUBSURFACE UTILITIES SHOWN HAVE BEEN INVESTIGATED AND DEPICTED IN ACCORDANCE WITH ASCE/UES1/G1 38-22 AND THE SCOPE OF WORK BETWEEN KCI AND THE CLIENT. KCI RECOMMENDS THAT THE CONTRACTOR AND ANY OTHER USERS OF THIS INFORMATION REVIEW AND UNDERSTANDS THE SCOPE OF WORK AND LIMITS OF THE UTILITY INVESTIGATION LEADING TO THESE UTILITY DEPICTIONS.

2. KCI RECOMMENDS MAINTAINING AN ORIGINAL COPY OF THIS CAD FILE AS DELIVERED, TO BE USED AS A REFERENCE TO ENSURE NO UNINTENTIONAL CHANGES TO THE FILE. KCI EXPRESSLY DISCLAIMS LIABILITY TO ANY CLAIMS ARISING AS A RESULT FROM CHANGES MADE TO THIS FILE AFTER RECEIPT BY THE CLIENT.

3. A UTILITY QUALITY LEVEL IS A MEASURE OF THE RELATIVE (NONQUANTIFIABLE) UNCERTAINTY OF A UTILITY SEGMENT OR SUBSURFACE UTILITY'S FEATURE'S EXISTENCE AND ACTUAL LOCATION TO THAT OF ITS DOCUMENTED LOCATION. THERE ARE FOUR QUALITY LEVELS: QUALITY LEVEL A IS THE LEAST UNCERTAIN. QUALITY LEVEL D IS THE MOST UNCERTAIN. QUALITY LEVELS C AND B ARE IN-BETWEEN IN ASCENDING ORDER. ONLY QUALITY LEVEL A CAN HAVE AN ACCURACY ASSOCIATED WITH IT. QUALITY LEVELS ARE FURTHER DESCRIBED BELOW:

A. UTILITY QUALITY LEVEL A (QLA): A VALUE ASSIGNED TO THAT PORTION (X-, Y-, AND Z- GEOMETRY) OF A UTILITY SEGMENT OR SUBSURFACE UTILITY FEATURE THAT IS DIRECTLY EXPOSED AND MEASURED AND WHOSE LOCATION AND DIMENSIONS ARE TIED TO THE PROJECT SURVEY DATUM. THE UTILITY SEGMENT OR SUBSURFACE UTILITY FEATURE SHALL BE TIED TO THE PROJECT SURVEY DATUM WITH AN ACCURACY OF 0.1 FT (30 MM) VERTICAL AND TO 0.2 FT (60 MM) HORIZONTAL FOR THE MEASUREMENTS OF THE OUTSIDE LIMITS OF THE UTILITY FEATURE OR UTILITY SEGMENT THAT IS EXPOSED.

B. UTILITY QUALITY LEVEL B (QLB): A VALUE ASSIGNED TO A UTILITY SEGMENT OR SUBSURFACE UTILITY FEATURE WHOSE EXISTENCE AND HORIZONTAL POSITION IS BASED ON GEOPHYSICAL METHODS COMBINED WITH PROFESSIONAL JUDGMENT AND WHOSE LOCATION IS TIED TO THE PROJECT SURVEY DATUM.

C. UTILITY QUALITY LEVEL C (QLC): A VALUE ASSIGNED TO A UTILITY SEGMENT NOT VISIBLE AT THE GROUND SURFACE WHOSE ESTIMATED POSITION IS JUDGED THROUGH CORRELATING UTILITY RECORDS OR SIMILAR EVIDENCE TO UTILITY FEATURES, VISIBLE ABOVEGROUND AND/OR UNDERGROUND. THE UTILITY ANCHOR POINT ON THE UTILITY FEATURES SHALL BE TIED TO THE PROJECT SURVEY DATUM WITH AN ACCURACY OF 0.2 FT (60 MM) HORIZONTAL.

D. UTILITY QUALITY LEVEL D (QLD): A VALUE ASSIGNED TO A UTILITY SEGMENT OR UTILITY FEATURE NOT VISIBLE AT THE GROUND SURFACE WHOSE ESTIMATED POSITION IS JUDGED THROUGH UTILITY RECORDS, INFORMATION FROM OTHERS, OR FROM VISUAL CLUES SUCH AS PAVEMENT CUTS, OBVIOUS TRENCHES, OR EXISTENCE OF SERVICE.

4. FOR QL-A DATA, ADDITIONAL MATERIAL AND/OR UTILITIES MAY EXIST BELOW APPARENT OR ACTUAL BOTTOM.

5. RELIANCE UPON THIS INFORMATION FOR RISK MANAGEMENT PURPOSES DOES NOT RELIEVE ANY PARTY FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES, POLICIES, AND/OR INDUSTRY BEST PRACTICES WHEN PERFORMING EXCAVATIONS.

6. UTILITY SIZE AND MATERIAL ARE DETERMINED THROUGH AVAILABLE UTILITY OWNER INFORMATION UNLESS OTHERWISE CONFIRMED BY ACTUAL EXPOSURE.

7. UTILITIES LABELED AS UNKNOWN TYPE HAVE NO CORRELATED RECORDS OR VISIBLE APPURTENANCES TO DETERMINE FUNCTION OR TYPE.

8. UTILITY FIELD MAPPING SERVICES WAS STARTED AND COMPLETED ON SEPTEMBER 9, 2025 UTILITIES MAY HAVE BEEN ADJUSTED, REMOVED, RELOCATED OR ADDED AFTER THIS DATE

9. LOCATIONS NOTED AS QUALITY LEVEL A HAVE A REFERENCED DATA FORM WITH ADDITIONAL INFORMATION FROM PHYSICALLY OBSERVED AND MEASURED ATTRIBUTES FOR THE INDICATED UTILITY.

10. KCI RECOMMENDS THE USE OF PROFESSIONAL JUDGEMENT FOR DECISIONS IN SELECTING SPECIFIC LOCATIONS FOR QUALITY LEVEL A DATA.

11. SURVEY AND RESULTING COORDINATES AND ELEVATIONS TAKEN FROM FIELD SURVEY PROVIDED BY OTHERS.

12. UTILITIES NOTED TO BE ABANDONED OR OUT OF SERVICE HAVE BEEN NOTED AS SUCH FROM INFORMATION PROVIDED BY OTHERS. USERS OF THIS DATA SHOULD VERIFY THIS STATUS INFORMATION.

13. UTILITY DEPICTION IS TYPICALLY ONLY WITHIN DEFINED PROJECT LIMITS HOWEVER, SOME UTILITY FACILITIES EXTEND BEYOND THESE LIMITS TO SURFACE FEATURES OUTSIDE OF THE LIMITS.



10/9/2025

KCI TECHNOLOGIES
KCI ENGINEERS | PLANNERS | SURVEYORS | CONSTRUCTION MANAGERS

3 Riverway Drive, Suite 1500
Houston, TX 77056
Tel: 713-237-9800

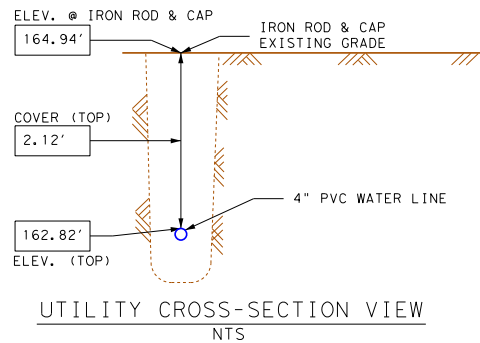
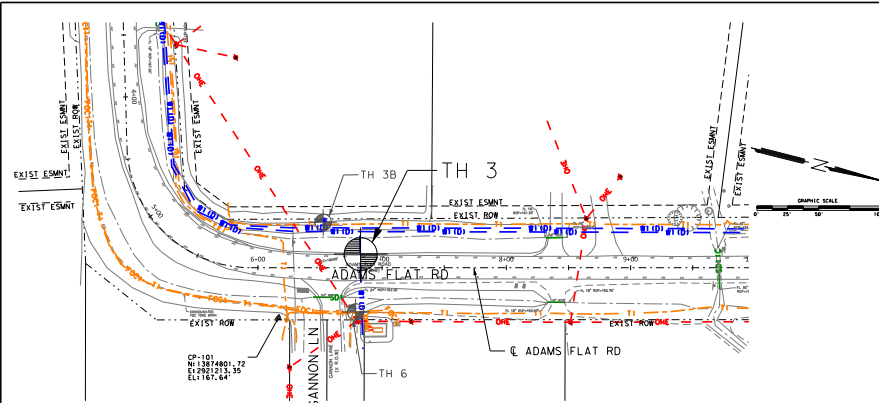
TBE FIRM NO. 10573



ADAMS FLAT RD

DATA SUMMARY SHEET
AND GENERAL NOTES

SHEET 1 OF 1			
DESIGN	SP	DATE	6
DESIGN	SP	FEDERAL AID PROJECT NO.	N/A
DESIGN	SP	STATE	TEXAS
DESIGN	CP	COUNTY	WALLER
DESIGN	CP	PRECINCT	3
DESIGN	CP	PROJECT	23301
DESIGN	CP	ROAD NAME	ADAMS FLAT
DESIGN	CP	SHEET NO.	42 / 106



COMPANY	UTILITY COORDINATOR	PHONE	EMAIL	ADDRESS
PATTISON WSC	N/A	281-394-2475	pattisonwatersupply@gmail.com	3608 Avenue E, Pattison, TX 77466

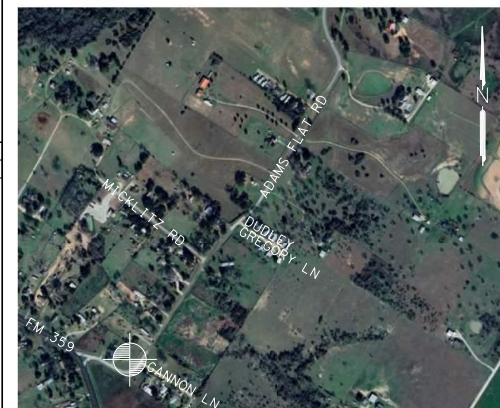
LEGEND	PROJECT CONTROL:
— W1 — Utility Description	TBM "A" - 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF FM 359 AND ADAMS FLAT ROAD.
⊙ Utility Location	TBM "C" - 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE, POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD,
○ Utility Profile	Control Point # 100 Northing: 13874883.99 Easting: 2920719.64 Elevation: 171.38
	Control Point # 110 Northing: 13878822.99 Easting: 2923381.08 Elevation: 161.90



TEST HOLE PHOTO OF UTILITY
DATE: 9/9/2025



PHOTO OF DEPTH INFORMATION
DATE: 9/9/2025



LOCATION MAP
NOT TO SCALE

LOCATION: APPROX. 0.70' NW OF ADAMS FLAT ROAD EOP
APPROX. 148' SW OF PRIVATE DRIVE

UTILITY STATION/OFFSET: STA 6+82.65/10.94' LT OF ADAMS FLAT CL

HORIZONTAL DATUM: NAD83 (2011) EPOCH 2010

SURFACE ADJUSTMENT FACTOR: 1.00013

VERTICAL DATUM: NAVD88

TEST HOLE NO.: 3 POINT NUMBER: 10043

NORTHING: 13874884.67 EASTING: 2921203.87

GROUND ELEVATION: 164.94' DEPTH OF UTILITY: 2.12'

FIELD MANAGER: GREGORY WATSON

DATE OF WORK: 9/9/2025

VACUUM TRUCK NO.: 6411

UTILITY INFORMATION

DESCRIPTION: 4" PVC WATER LINE

UTILITY OWNER: PATTISON WSC

UTILITY TYPE: WATER

UTILITY SIZE: 4" T.O.U. 162.82'

UTILITY MATERIAL: PVC

UTILITY CONDITION: GOOD

SURFACE MATERIAL: NATURAL GROUND

PAVEMENT TYPE/DEPTH: N/A

KCI TECHNOLOGIES
KCI ENGINEERS | PLANNERS | SCIENTISTS | CONSTRUCTION MANAGERS
3 Riverway Drive, Suite 1500
Houston, TX 77056
713.237.9800
TYPE FIRM NO. 10573



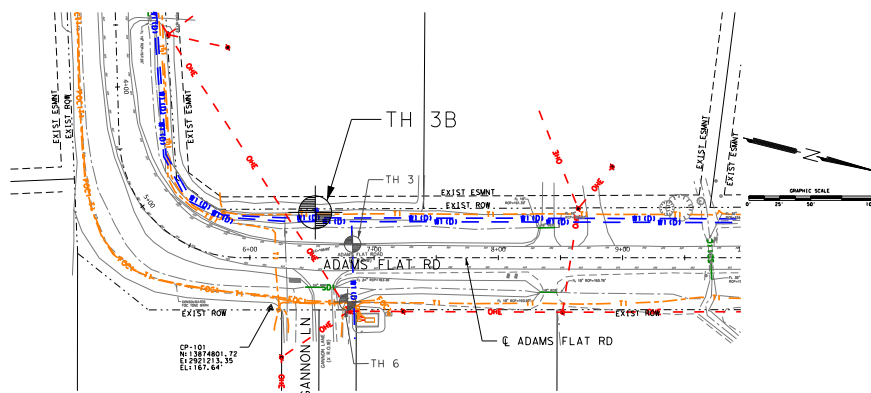
[Signature], P.E.

Date: 10/9/2025

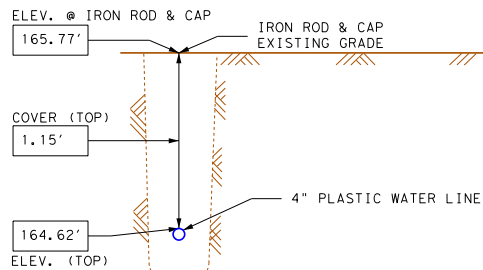
TEST HOLE DATA FORM
SUE: QUALITY LEVEL - A

PROJECT: ADAMS FLAT ROAD
FROM FM 359 TO WILSON ROAD

PROJECT MANAGER	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	ROAD NAME
COLE PRESTON	6	N/A	ADAMS FLAT
SURVEYED BY	STATE	COUNTY	SHEET NUMBER
SOLAR SURVEYING, LLC	TEXAS	WALLER	43 / 106
CITY/TOWN	PRECINCT	PROJECT	
N/A	3	23301	



PLAN VIEW
1" = 100'
Planimetric DGN Provided by TxDOT



UTILITY CROSS-SECTION VIEW
NTS

COMPANY	UTILITY COORDINATOR	PHONE	EMAIL	ADDRESS
PATTISON WSC	N/A	281-394-2475	pattisonwatersupply@gmail.com	3608 Avenue E, Pattison, TX 77466

LEGEND

W1 - Utility Description



Utility Location



Utility Profile

PROJECT CONTROL:

TBM "A" - 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF FM 359 AND ADAMS FLAT ROAD.

TBM "C" - 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE, POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD,

Control Point # 100
Northing: 13874883.99
Easting: 2920719.64
Elevation: 171.38

Control Point # 110
Northing: 13878822.99
Easting: 2923581.08
Elevation: 161.90



TEST HOLE PHOTO OF UTILITY
DATE: 9/4/2025



PHOTO OF DEPTH INFORMATION
DATE: 9/4/2025



LOCATION MAP
NOT TO SCALE

LOCATION: APPROX. 26.00' NW OF ADAMS FLAT EOP
APPROX. 183.00' SW OF CONCRETE DRIVEWAY

UTILITY STATION/OFFSET: STA 6+52.57/36.55' LT OF ADAMS FLAT CL

HORIZONTAL DATUM: NAD83 (2011) EPOCH 2010

SURFACE ADJUSTMENT FACTOR: 1.00013

VERTICAL DATUM: NAVD88

TEST HOLE NO.: 3B POINT NUMBER: 10042

NORTHING: 13874872.25 EASTING: 2921166.37

GROUND ELEVATION: 165.77' DEPTH OF UTILITY: 1.15'

FIELD MANAGER: GREGORY WATSON

DATE OF WORK: 9/4/2025

VACUUM TRUCK NO.: 6411

UTILITY INFORMATION

DESCRIPTION: 4" PLASTIC WATER LINE

UTILITY OWNER: PATTISON WSC

UTILITY TYPE: WATER

UTILITY SIZE: 1" T.O.U. 164.62'

UTILITY MATERIAL: PLASTIC

UTILITY CONDITION: GOOD

SURFACE MATERIAL: NATURAL GROUND

PAVEMENT TYPE/DEPTH: N/A

KCI TECHNOLOGIES
KCI ENGINEERS | PLANNERS | SCIENTISTS | CONSTRUCTION MANAGERS
3 Riverway Drive, Suite 1500
Houston, TX 77056
713.237.9800
TPE FIRM NO. 10573



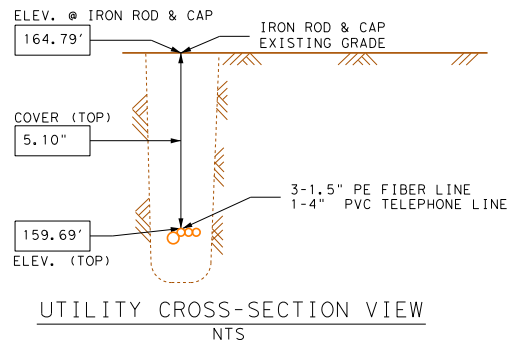
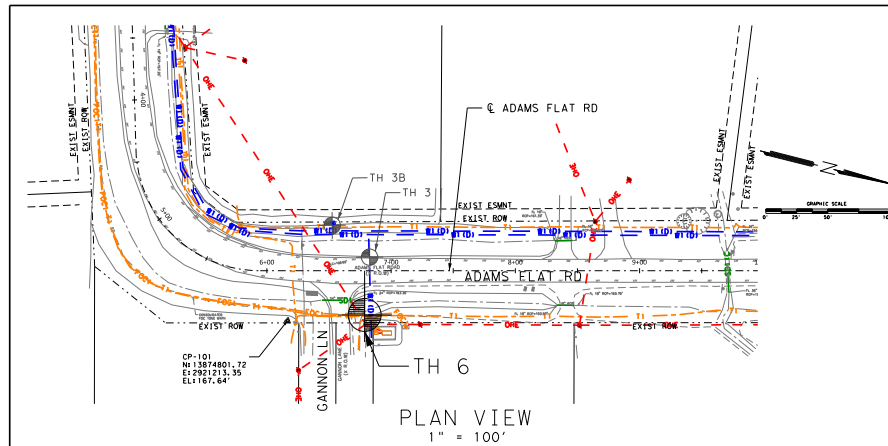
[Signature], P.E.

Date: 10/9/2025

TEST HOLE DATA FORM
SUE: QUALITY LEVEL - A

PROJECT: ADAMS FLAT ROAD
FROM FM 359 TO WILSON ROAD

PROJECT MANAGER	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	ROAD NAME
COLE PRESTON	6	N/A	ADAMS FLAT
SURVEYED BY	STATE	COUNTY	SHEET NUMBER
SOLAR SURVEYING, LLC	TEXAS	WALLER	44 / 106
CITY/TOWN	PRECINCT	PROJECT	
N/A	3	23301	



COMPANY	UTILITY COORDINATOR	PHONE	EMAIL	ADDRESS
CONSOLIDATED COMMUNICATION	BRANDON TUMIS	281-396-5070	brandon.tumis@consolidated.com	N/A

LEGEND	PROJECT CONTROL:
FOCI TI	Utility Description
	Utility Location
	Utility Profile

Control Point # 100 Northing: 13874883.99 Easting: 2920719.64 Elevation: 171.38	Control Point # 110 Northing: 13878822.99 Easting: 2923381.08 Elevation: 161.90
--	--



TEST HOLE PHOTO OF UTILITY
DATE: 9/3/2025



PHOTO OF DEPTH INFORMATION
DATE: 9/3/2025



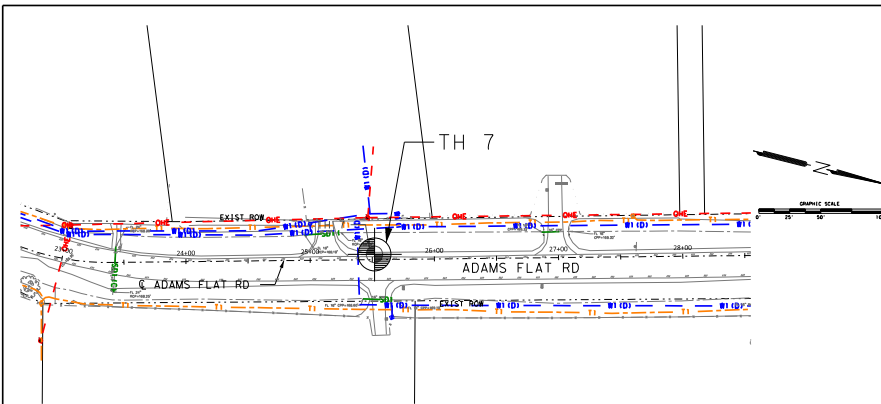
LOCATION MAP
NOT TO SCALE

LOCATION: APPROX. 25.00' E OF ADAMS FLAT RD EOP APPROX. 12.50' NE OF GANNON LA NE			
UTILITY STATION/OFFSET: STA 6+78.65/35.60' RT OF ADAMS FLAT CL			
HORIZONTAL DATUM: NAD83 (2011) EPOCH 2010			
SURFACE ADJUSTMENT FACTOR: 1.00013			
VERTICAL DATUM: NAVD88			
TEST HOLE NO.: 6	POINT NUMBER: 10046		
NORTHING: 13874857.09	EASTING: 2921241.57		
GROUND ELEVATION: 164.79'	DEPTH OF UTILITY: 5.10"		
FIELD MANAGER: GREGORY WATSON			
DATE OF WORK: 9/3/2025			
VACUUM TRUCK NO.: 6411			
UTILITY INFORMATION			
DESCRIPTION: 3-1.5" PE FIBER LINE 1-4" PVC TELEPHONE LINE			
UTILITY OWNER: CONSOLIDATED COMMUNICATION			
UTILITY TYPE: FIBER/TELEPHONE			
UTILITY SIZE: 3-1.5" / 1-4"	T.O.U. 159.69'		
UTILITY MATERIAL: PE/PVC			
UTILITY CONDITION: GOOD			
SURFACE MATERIAL: NATURAL GROUND			
PAVEMENT TYPE/DEPTH: N/A			

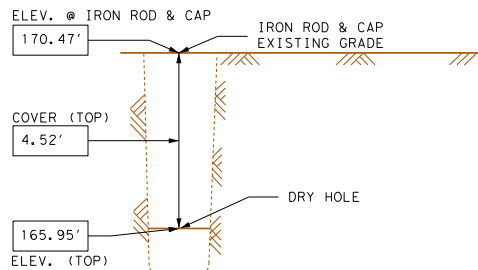
 KCI TECHNOLOGIES KCI ENGINEERS PLANNERS SCIENTISTS CONSTRUCTION MANAGERS 3 Riverway Drive, Suite 1500 Houston, TX 77056 713.237.9800 TPE FIRM NO. 10573	 THE STATE OF TEXAS WALLER COUNTY
---	--

 STATE OF TEXAS COLE R. PRESTON 144595 REGISTERED PROFESSIONAL ENGINEER	 _____, P.E. Date: 10/9/2025
--	------------------------------------

TEST HOLE DATA FORM SUE: QUALITY LEVEL - A			
PROJECT: ADAMS FLAT ROAD FROM FM 359 TO WILSON ROAD			
PROJECT MANAGER	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	ROAD NAME
COLE PRESTON	6	N/A	ADAMS FLAT
SURVEYED BY	STATE	COUNTY	SHEET NUMBER
SOLAR SURVEYING, LLC	TEXAS	WALLER	45 / 106
CITY/TOWN	PRECINCT	PROJECT	
N/A	3	23301	



PLAN VIEW
1" = 100'
Planimetric DGN Provided by TxDOT



UTILITY CROSS-SECTION VIEW
NTS

COMPANY	UTILITY COORDINATOR	PHONE	EMAIL	ADDRESS
PATTISON WSC	N/A	281-394-2475	pattisonwatersupply@gmail.com	3608 Avenue E, Pattison, TX 77466

LEGEND	PROJECT CONTROL:
— W (D) — Utility Description	TBM "A" - 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF FM 359 AND ADAMS FLAT ROAD.
Utility Location	TBM "C" - 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE, POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD,
Utility Profile	Control Point # 100 Northing: 13874883.89 Easting: 2920719.64 Elevation: 171.38
	Control Point # 110 Northing: 13878822.99 Easting: 2923581.08 Elevation: 161.90



TEST HOLE PHOTO OF UTILITY
DATE: 9/9/2025

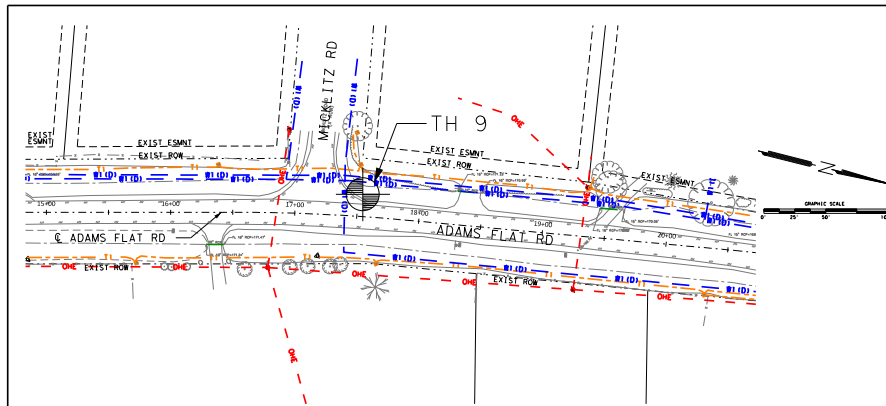


PHOTO OF DEPTH INFORMATION
DATE: 9/9/2025

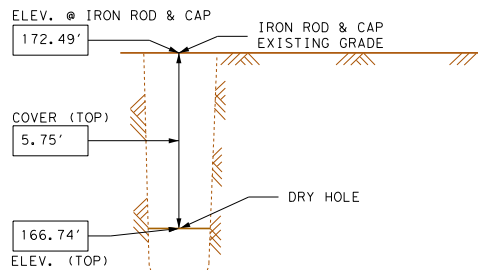


LOCATION MAP
NOT TO SCALE

LOCATION: APPROX. 2.00' W OF ADAMS FLAT RD EOP APPROX. 23.00' N OF PRIVATE DRIVE			
UTILITY STATION/OFFSET: STA 25+51.78/4.22' LT OF ADAMS FLAT CL			
HORIZONTAL DATUM: NAD83 (2011) EPOCH 2010			
SURFACE ADJUSTMENT FACTOR: 1.00013			
VERTICAL DATUM: NAVD88			
TEST HOLE NO.: 7	POINT NUMBER: 10029		
NORTHING: 13876413.05	EASTING: 2922260.36		
GROUND ELEVATION: 170.47'	DEPTH OF UTILITY: 4.52'		
FIELD MANAGER: GREGORY WATSON			
DATE OF WORK: 9/9/2025			
VACUUM TRUCK NO.: 6411			
UTILITY INFORMATION			
DESCRIPTION: DRY HOLE			
UTILITY OWNER: PATTISON WSC			
UTILITY TYPE: WATER			
UTILITY SIZE: DRY HOLE	T.O.U. 165.95'		
UTILITY MATERIAL: N/A			
UTILITY CONDITION: GOOD			
SURFACE MATERIAL: NATURAL GROUND			
PAVEMENT TYPE/DEPTH: N/A			
 KCI TECHNOLOGIES ENGINEERS PLANNERS SCIENTISTS CONSTRUCTION MANAGERS 3 Riverway Drive, Suite 1500 Houston, TX 77056 713.237.9800 TPE FIRM NO. 10573			
 COLE R. PRESTON 144595 REGISTERED PROFESSIONAL ENGINEER		 , P.E. Date: 10/9/2025	
TEST HOLE DATA FORM SUE: QUALITY LEVEL - A			
PROJECT: ADAMS FLAT ROAD FROM FM 359 TO WILSON ROAD			
PROJECT MANAGER	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	ROAD NAME
COLE PRESTON	6	N/A	ADAMS FLAT
SURVEYED BY	STATE	COUNTY	SHEET NUMBER
SOLAR SURVEYING, LLC	TEXAS	WALLER	46 / 106
CITY/TOWN	PRECINCT	PROJECT	
N/A	3	23301	



PLAN VIEW
1" = 100'
Planimetric DGN Provided by TxDOT



UTILITY CROSS-SECTION VIEW
NTS

COMPANY	UTILITY COORDINATOR	PHONE	EMAIL	ADDRESS
PATTISON WSC	N/A	281-394-2475	pattisonwatersupply@gmail.com	3608 Avenue E, Pattison, TX 77466

LEGEND	PROJECT CONTROL:
— W1(D) — Utility Description	TBM "A" - 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF FM 359 AND ADAMS FLAT ROAD.
Utility Location	TBM "C" - 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE, POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD,
Utility Profile	Control Point # 100 Northing: 13874883.89 Easting: 2920719.64 Elevation: 171.38
	Control Point # 110 Northing: 13878822.99 Easting: 2923381.08 Elevation: 161.90



TEST HOLE PHOTO OF UTILITY
DATE: 9/9/2025

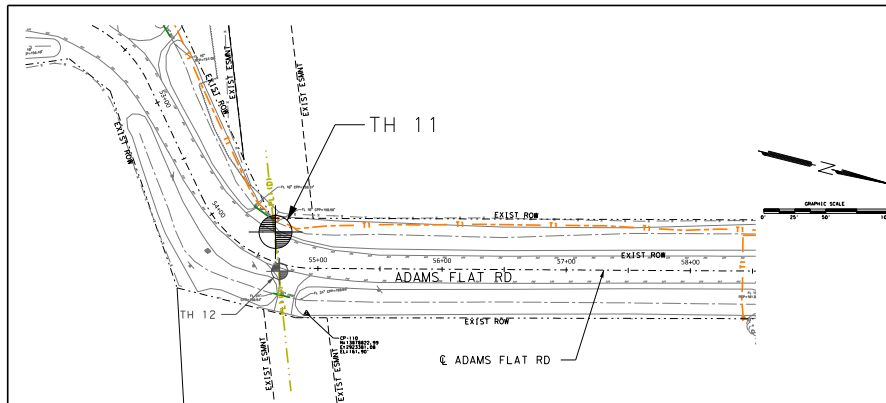


PHOTO OF DEPTH INFORMATION
DATE: 9/9/2025

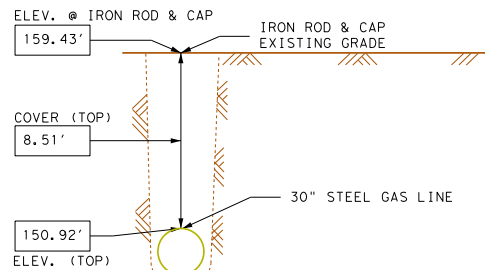


LOCATION MAP
NOT TO SCALE

LOCATION: APPROX. 6.00' W OF ADAMS FLAT RD EOP APPROX. 10.00' N OF MICKLITZ ROAD			
UTILITY STATION/OFFSET: STA 17+53.57/18.02' RT OF ADAMS FLAT CL			
HORIZONTAL DATUM: NAD83 (2011) EPOCH 2010			
SURFACE ADJUSTMENT FACTOR: 1.00013			
VERTICAL DATUM: NAVD88			
TEST HOLE NO.: 9	POINT NUMBER: 10028		
NORTHING: 13875802.81	EASTING: 2921757.35		
GROUND ELEVATION: 172.49'	DEPTH OF UTILITY: 5.75'		
FIELD MANAGER: GREGORY WATSON			
DATE OF WORK: 9/9/2025			
VACUUM TRUCK NO.: 6411			
UTILITY INFORMATION			
DESCRIPTION: DRY HOLE			
UTILITY OWNER: PATTISON WSC			
UTILITY TYPE: WATER			
UTILITY SIZE: DRY HOLE	T.O.U. 166.74'		
UTILITY MATERIAL: N/A			
UTILITY CONDITION: GOOD			
SURFACE MATERIAL: NATURAL GROUND			
PAVEMENT TYPE/DEPTH: N/A			
 KCI TECHNOLOGIES ENGINEERS PLANNERS SCIENTISTS CONSTRUCTION MANAGERS 3 Riverway Drive, Suite 1500 Houston, TX 77056 713.237.9800 TPE FIRM NO. 10573		 THE STATE OF TEXAS WALLER COUNTY	
 COLE R. PRESTON 144595 REGISTERED PROFESSIONAL ENGINEER		 _____, P.E. Date: 10/9/2025	
TEST HOLE DATA FORM SUE: QUALITY LEVEL - A			
PROJECT: ADAMS FLAT ROAD FROM FM 359 TO WILSON ROAD			
PROJECT MANAGER	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	ROAD NAME
COLE PRESTON	6	N/A	ADAMS FLAT
SURVEYED BY	STATE	COUNTY	SHEET NUMBER
SOLAR SURVEYING, LLC	TEXAS	WALLER	47 / 106
CITY/TOWN	PRECINCT	PROJECT	
N/A	3	23301	



PLAN VIEW
1" = 100'
Planimetric DGN Provided by TxDOT



UTILITY CROSS-SECTION VIEW
NTS

COMPANY	UTILITY COORDINATOR	PHONE	EMAIL	ADDRESS
ASPEN MIDSTREAM	N/A	469-213-3294	info@aspenmidstream.com	3811 Turtle Creek Blvd, Dallas, TX 75219

LEGEND

— PL 1 (D) — Utility Description



Utility Location



Utility Profile

PROJECT CONTROL:

TBM "A" - 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF FM 359 AND ADAMS FLAT ROAD.

TBM "C" - 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE, POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD,

Control Point # 100
Northing: 13874883.99
Easting: 2920719.64
Elevation: 171.38

Control Point # 110
Northing: 13878822.99
Easting: 2923381.08
Elevation: 161.90



TEST HOLE PHOTO OF UTILITY
DATE: 9/5/2025



PHOTO OF DEPTH INFORMATION
DATE: 9/5/2025



LOCATION MAP
NOT TO SCALE

LOCATION: APPROX. 00.17' W OF ADAMS FLAT RD EOP
APPROX. 745.00' S OF PRIVATE DRIVEWAY

UTILITY STATION/OFFSET: STA 54+55.50/22.68' LT OF ADAMS FLAT CL

HORIZONTAL DATUM: NAD83 (2011) EPOCH 2010

SURFACE ADJUSTMENT FACTOR: 1.00013

VERTICAL DATUM: NAVD88

TEST HOLE NO.: 11 POINT NUMBER: 10120

NORTHING: 13878835.57 EASTING: 2923311.98

GROUND ELEVATION: 159.43' DEPTH OF UTILITY: 8.51'

FIELD MANAGER: GREGORY WATSON

DATE OF WORK: 9/5/2025

VACUUM TRUCK NO.: 6411

UTILITY INFORMATION

DESCRIPTION: 30" STEEL GAS LINE

UTILITY OWNER: ASPEN MIDSTREAM

UTILITY TYPE: GAS

UTILITY SIZE: 30" T.O.U. 150.92'

UTILITY MATERIAL: STEEL

UTILITY CONDITION: GOOD

SURFACE MATERIAL: NATURAL GROUND

PAVEMENT TYPE/DEPTH: N/A

KCI TECHNOLOGIES
KCI ENGINEERS | PLANNERS | SCIENTISTS | CONSTRUCTION MANAGERS
3 Riverway Drive, Suite 1500
Houston, TX 77056
713.237.9800
TPE FIRM NO. 10573



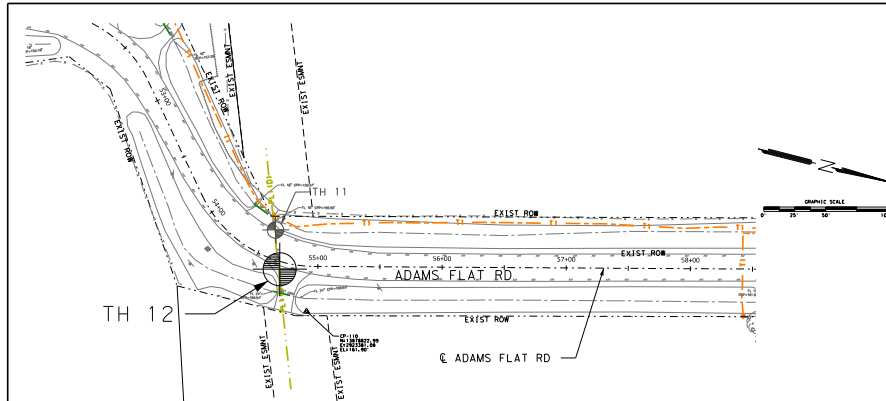
C. Preston, P.E.

Date: 10/9/2025

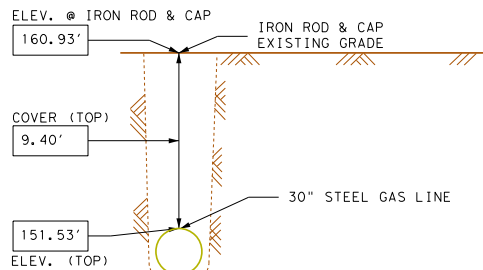
TEST HOLE DATA FORM
SUE: QUALITY LEVEL - A

PROJECT: ADAMS FLAT ROAD
FROM FM 359 TO WILSON ROAD

PROJECT MANAGER	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	ROAD NAME
COLE PRESTON	6	N/A	ADAMS FLAT
SURVEYED BY	STATE	COUNTY	SHEET NUMBER
SOLAR SURVEYING, LLC	TEXAS	WALLER	48 / 106
CITY/TOWN	PRECINCT	PROJECT	
N/A	3	23301	



PLAN VIEW
1" = 100'
Planimetric DGN Provided by TxDOT



UTILITY CROSS-SECTION VIEW
NTS

COMPANY	UTILITY COORDINATOR	PHONE	EMAIL	ADDRESS
ASPEN MIDSTREAM	N/A	469-213-3294	info@aspenmidstream.com	3811 Turtle Creek Blvd, Dallas, TX 75219

LEGEND

— PL 1 (D) — Utility Description



Utility Location



Utility Profile

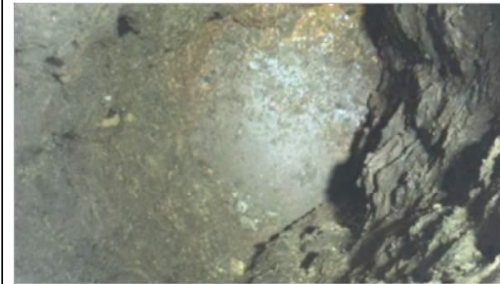
PROJECT CONTROL:

TBM "A" - 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF FM 359 AND ADAMS FLAT ROAD.

TBM "C" - 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE, POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD,

Control Point # 100
Northing: 13874883.99
Easting: 2920719.64
Elevation: 171.38

Control Point # 110
Northing: 13878822.99
Easting: 2923381.08
Elevation: 161.90



TEST HOLE PHOTO OF UTILITY
DATE: 9/5/2025



PHOTO OF DEPTH INFORMATION
DATE: 9/5/2025



LOCATION MAP
NOT TO SCALE

LOCATION: APPROX. 3.00' W OF ADAMS FLAT RD
APPROX. 5.00' N OF PRIVATE DRIVE

UTILITY STATION/OFFSET: STA 54+70.54/06.04' RT OF ADAMS FLAT CL

HORIZONTAL DATUM: NAD83 (2011) EPOCH 2010

SURFACE ADJUSTMENT FACTOR: 1.00013

VERTICAL DATUM: NAVD88

TEST HOLE NO.: 12 POINT NUMBER: 10118

NORTHING: 13878822.05 EASTING: 2923340.74

GROUND ELEVATION: 160.93' DEPTH OF UTILITY: 9.40'

FIELD MANAGER: GREGORY WATSON

DATE OF WORK: 9/5/2025

VACUUM TRUCK NO.: 6411

UTILITY INFORMATION

DESCRIPTION: 30" STEEL GAS LINE

UTILITY OWNER: ASPEN MIDSTREAM

UTILITY TYPE: GAS

UTILITY SIZE: 30" T.O.U. 151.53'

UTILITY MATERIAL: STEEL

UTILITY CONDITION: GOOD

SURFACE MATERIAL: NATURAL GROUND

PAVEMENT TYPE/DEPTH: N/A

KCI TECHNOLOGIES
KCI ENGINEERS | PLANNERS | SCIENTISTS | CONSTRUCTION MANAGERS
3 Riverway Drive, Suite 1500
Houston, TX 77056
713.237.9800
TYPE FIRM NO. 10573



_____, P.E.

Date: 10/9/2025

TEST HOLE DATA FORM
SUE: QUALITY LEVEL - A

PROJECT: ADAMS FLAT ROAD
FROM FM 359 TO WILSON ROAD

PROJECT MANAGER	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	ROAD NAME
COLE PRESTON	6	N/A	ADAMS FLAT
SURVEYED BY	STATE	COUNTY	SHEET NUMBER
SOLAR SURVEYING, LLC	TEXAS	WALLER	49 / 106
CITY/TOWN	PRECINCT	PROJECT	
N/A	3	23301	

PROJECT MANUAL SECTION

IV

Geotechnical Report

WC PCT3 – Adams Flat Road

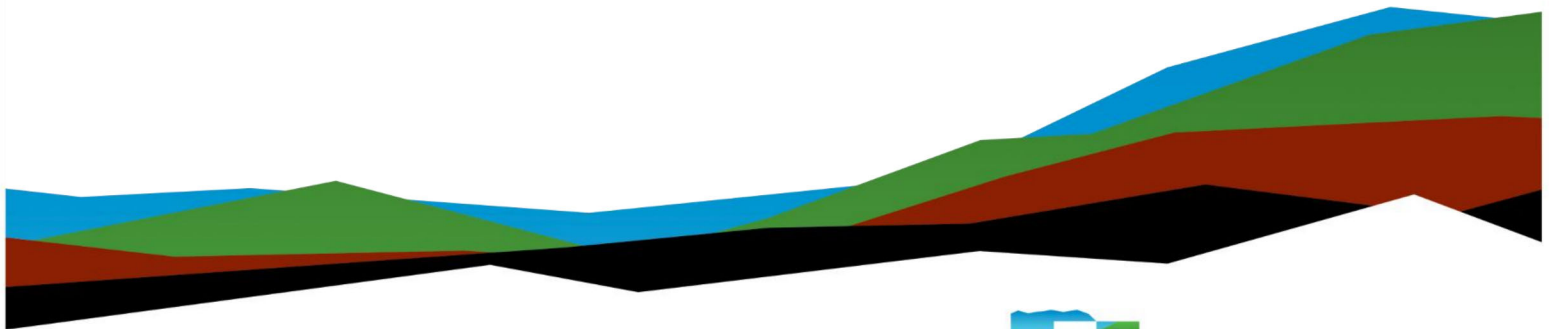
Geotechnical Engineering Report

Waller County, Texas

August 20, 2025 | Terracon Project No. 92255083

Prepared for:

Trilogy Engineering Services, LLC
650 North Sam Houston Parkway East,
Suite 300
Houston, Texas 77060



Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials



11555 Clay Road, Suite 100
Houston, Texas 77043
P (713) 690-8989
Terracon.com

August 20, 2025

Trilogy Engineering Services, LLC
650 North Sam Houston Parkway East, Suite 300
Houston, Texas 77060

Attn: Mr. Michael LeBlanc Jr. – Staff Engineer
P: (877) 463-1699
E: leblancmw@trilogyengineers.com

Re: Geotechnical Engineering Report
WC PCT3 – Adams Flat Road
Waller County, Texas
Terracon Project No. 92255083

Dear Mr. LeBlanc:

We have completed the scope of geotechnical engineering services for the above referenced project in general accordance with Terracon Document No. P92255083.Revision1, dated February 20, 2025. This report presents the findings of the subsurface exploration and provides geotechnical recommendations for the proposed project. Our work was authorized by Mr. Harold Underwood, Jr., President of Business Development with Trilogy Engineering Services, LLC (Trilogy) through signature of the "Subcontract Agreement between Trilogy and Terracon Consultants, Inc. (Terracon) for Waller County Precinct 3 Mobility Project" on May 28, 2025.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.

Sincerely,

Terracon Consultants, Inc.

(Texas Firm Registration No.: F-3272)

A handwritten signature in black ink, appearing to read "Aazim Javed".

Aazim Javed
Staff Geotechnical Professional

A handwritten signature in black ink, appearing to read "Kierstyn M. Burrell".

Kierstyn M. Burrell, P.E.
Geotechnical Services Manager



A handwritten signature in blue ink, appearing to read "Karla I. Stringer".

Karla I. Stringer, P.E.
Group Manager



Table of Contents

Introduction..... 1
Project Description..... 1
Site Conditions 2
Geotechnical Characterization 3
 Geology 3
 Subsurface Profile 3
 Laboratory Data 4
 Groundwater Conditions..... 5
Geotechnical Overview 5
Pavements 6
 Subgrade Preparation 6
 Wet Weather/Soft Subgrade Considerations 7
 Pavement Section 8
 Material Requirements 10
 Maintenance Considerations 11
General Comments 12

Figures

GeoModel

Attachments

- Exploration and Testing Procedures**
- Site Location and Exploration Plan**
- Exploration and Laboratory Results** (Boring Logs and Laboratory Data)
- Supporting Information** (General Notes and Unified Soil Classification System)

Note: This report was originally delivered in a web-based format. **Blue Bold** text in the report indicates a referenced section heading. The PDF version also includes hyperlinks which direct the reader to that section and clicking on the  Terracon logo will bring you back to this page. For more interactive features, please view your project online at client.terracon.com.

Refer to each individual Attachment for a listing of contents.



Introduction

This report presents the results of our subsurface exploration and geotechnical engineering services performed for the proposed full-depth reconstruction and widening of Adams Flat Road from FM 359 Road to Wilson Road in Waller County, Texas. The purpose of our services is to provide information and geotechnical engineering recommendations relative to:

- Earthwork including site and subgrade preparation
- Pavement design guidelines and calculated equivalent single axle load (ESAL)

The geotechnical engineering scope of services for this project included the advancement of 21 test borings to a depth of approximately 10 feet below existing pavement subgrade, laboratory testing, engineering analysis, and preparation of this report.

Maps showing the site and boring locations are shown on the [Site Location](#) and [Exploration Plan](#), respectively. The results of the laboratory testing performed on soil samples obtained from the site during our field exploration are included on the boring logs and/or as separate graphs in the [Exploration and Laboratory Results](#) section.

Project Description

Our initial understanding of the project was provided in our cost estimate document and was discussed during project planning. A period of collaboration has transpired since the project was initiated, and our final understanding of the project conditions is as follows:

Item	Description
Project Description	■ The project consists of the full-depth reconstruction and widening of approximately 9,800 linear feet (LF) of the existing Adams Flat Road from FM 359 Road to Wilson Road in Waller County, Texas. ■ Improvements are planned to be designed and constructed in accordance with the most recent Waller County Design Manual.

Item	Description
Project Description (continued)	The existing 18 to 20-foot-wide asphaltic concrete roadway is planned to be replaced by a 22-foot-wide asphaltic concrete roadway section consisting of a minimum of 3 inches of asphaltic concrete surface course over 8 inches of flexible base material underlain by 8 inches of chemically treated subgrade with roadside ditches.
Assumed Traffic Loads	- Detailed traffic loads and frequencies were not available at the time of this report. We understand the roadway classifies as Local with residential and light industrial traffic consisting of passenger vehicles, delivery and garbage trucks, school buses, and occasional heavy-duty vehicles. - The Texas Department of Transportation (TxDOT) TPP Statewide Traffic Count Map for Adams Flat Road indicates an annual average daily traffic (AADT) of 2,602 in 2021. According to Trilogy, a growth rate of 2% can be assumed for this road.

Terracon should be notified if any of the above information is inconsistent with the planned construction, as modifications to our recommendations may be necessary.

Site Conditions

The following description of site conditions is derived from our site visit in association with the field exploration.

Item	Description
Project Location	The project site is located along approximately 1.84 miles of Adams Flat Road between Wilson Road and FM 359 Road in Waller County, Texas. See Site Location
Existing Improvements	Residential and agricultural developments with associated two-lane roadways, roadside ditches, and driveways.
Current Ground Cover	Asphaltic concrete, grass, weeds
Existing Topography	Relatively level

Geotechnical Characterization

Geology

Based on the geologic maps published by the Bureau of Economic Geology, the site for the proposed project is located on the upper Lissie Formation, sometimes denoted the Montgomery Formation. The upper Lissie Formation is heterogeneous, containing interbedded layers of clay, sand, and silt. This formation was deposited in mid-Pleistocene time in shallow coastal river channels and flood plains.

The clay present in the formation has been preconsolidated by a process of desiccation. Numerous wetting and drying cycles have produced a network of randomly oriented and closely-spaced joints, which are sometimes slickensided, that is, have a shiny appearance when exposed. The joint pattern strongly influences the engineering behavior of the soil.

The sand layers vary in compactness from loose to medium dense, and in thickness from a fraction of an inch to many feet due to an irregular depositional environment. Sands are generally subrounded to subangular and vary from coarse to very fine, are poorly graded, and often contain significant amounts of silt-sized particles in the sand matrix.

The coastal plain in this region has a complex tectonic geology, several major features of which are: Gulf Coastal geosyncline, salt domes, and major sea level fluctuations during the glacial stages, subsidence and geologic faulting activities. Most of these geologic faulting activities have ceased for millions of years, but some are still active. A detailed geologic fault investigation and study of the site geology are beyond the scope of this report.

Subsurface Profile

We have developed a general characterization of the subsurface conditions based upon our review of the subsurface exploration, laboratory data, geologic setting, and our understanding of the project. This characterization, termed GeoModel, forms the basis of our geotechnical calculations and evaluation of the site. Conditions observed at each exploration point are indicated on the individual logs. The individual logs can be found in the [Exploration and Laboratory Results](#) and the GeoModel can be found in the [Figures](#) attachment of this report.

As part of our analyses, we identified the following model layers within the subsurface profile. For a more detailed view of the model layer depths at each boring location, refer to the GeoModel.

Model Layer	Layer Name	General Description
1	Silty Sand, Silty Clayey Sand, and Clayey Sand	gray and tan, loose to medium dense, non-plastic to slight plasticity, dry to moist, with clay seams and pockets
2	Lean Clay, Sandy Lean Clay, and Silty Clay	reddish brown, gray, and tan, soft to hard, slight to high plasticity, moist, with sand seams and pockets
3	Fat Clay	tan and light gray, very stiff, very high plasticity, moist, with sand pockets

The table below summarizes the approximate thickness of the pavement layer components observed at each boring location.

Boring ID	Approximate Thickness (Inches)		
	Asphaltic concrete	Crushed Stone Material	Total Pavement Structure
B-1, B-2, B-5, B-17	2	2	4
B-3, B-4, B-7, B-8, B-11, B-13, B-15, B-16	2	0	2
B-6, B-9, B-10, B-12	1	0	1
B-14	1	1	2
B-18	2	8	10
B-20	2	6	8
B-19 and B-21	1	2	3

Laboratory Data

Terracon performed a Standard Proctor test and a California Bearing Ratio (CBR) test on one composite sample of the near subgrade soils collected from borings B-1 through B-21. These tests results are included in the [Exploration and Laboratory Results](#) section of this report and are summarized in the following table.

Composite Sample of the Subgrade Soils	USCS Classification	Optimum Moisture Content (%)	Maximum Dry Unit Weight (pcf)	CBR (%)
B-1 to B-21	SM	10.0	118.7	11.1

Groundwater Conditions

Borings B-1 through B-21 were advanced using dry drilling techniques to their termination depth (approximately 10 feet below the existing pavement subgrade) in an effort to evaluate groundwater conditions at the time of the field program. Groundwater was not observed at borings B-1 through B-21 during or upon completion of drilling.

Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff and other factors not evident at the time the borings were performed. Therefore, groundwater levels during construction or at other times in the life of the roadway may vary and be present within the depths explored. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project and should be evaluated prior to construction.

Geotechnical Overview

The site appears suitable for the proposed construction based upon geotechnical conditions encountered in the test borings, provided that the recommendations in this report are implemented in the design and construction phases of this project. A summary of our findings and recommendations is provided below.

- According to the Waller County Engineering Design Manual, September 2024 Edition, the pavement structure for permanent asphalt roadways shall consist of a minimum of 3 inches of asphaltic concrete surface course over 8 inches of flexible base material underlain by 8 inches of chemically treated subgrade. This pavement section is expected to support up to approximately 1.2 million Equivalent 18-kip Single Axle Loads (ESALs) over a 20-year design life of the pavement.
- Additionally, based on the AADT information obtained in 2021 from the TxDOT TPP Statewide Traffic Count Map for Adams Flat Road and considering a traffic growth rate of 2%, the 18-kip ESALs was estimated to be approximately 1.8 million over a 20-year design life of the pavement. A pavement section consisting of 3 inches of asphaltic concrete surface course over 10 inches of flexible base material underlain by 8 inches of chemically treated subgrade is expected to support the 18-kip ESALs estimated from the available AADT data.
- Based on the subsurface conditions observed at the site, we anticipate the pavement subgrade will generally consist of non-plastic to medium plasticity soils. The top 8 inches of the finished subgrade soils should be chemically treated with lime fly-ash or cement.

The recommendations contained in this report are based upon the results of field and laboratory testing (presented in the **Exploration and Laboratory Results**), engineering analyses, and our current understanding of the proposed project. The **General Comments** section provides an understanding of the report limitations.

Pavements

Subgrade Preparation

Pavement construction areas should be stripped of existing pavements (asphaltic concrete and crushed stone material) vegetation, topsoil, and other debris/unsuitable surface materials. The existing roadside ditches in construction areas should be drained and de-mucked of wet/loose soils, organics, etc. to expose firm native soils. Any open excavations remaining after site stripping should be backfilled with on-site soils, provided they are free of organics and debris. The soils used to backfill the excavations should be compacted to a minimum of 95 percent of the maximum dry density as determined by the Standard Effort (ASTM D 698) in lifts not exceeding 8 inches loose measure.

Once final subgrade elevations have been achieved, the exposed soil subgrade areas should be proofrolled with a 20-ton pneumatic roller or equivalent equipment, such as a fully loaded dump truck, to detect weak zones in the subgrade. Weak areas detected during proofrolling, as well as zones containing organic matter and/or debris, should be removed to expose firm subgrade and replaced with soils exhibiting similar classification, moisture content, and density as the adjacent in-situ soils. Proper site drainage should be maintained during construction so that ponding of surface runoff does not occur and cause construction delays and/or inhibit site access.

Subsequent to proofrolling, and just prior to placement of fill (if any), the exposed subgrade within the construction areas should be evaluated for moisture and density. The subgrade should be moisture conditioned to within 2 percent of optimum moisture content and have an in-place dry density of at least 95 percent of the Standard Effort (ASTM D 698) maximum dry density. If the moisture or density does not meet the above criteria, the subgrade should be scarified to a minimum depth of 6 inches, moisture conditioned to within 2 percent of optimum moisture content and compacted to at least 95 percent of the Standard Effort (ASTM D 698) maximum dry density.

Any fill soils used for grade adjustments in the proposed pavement areas should consist of clean on-site or imported soils that are free of organics/debris with similar characteristics as the on-site soils and should be compacted to a minimum of 95 percent of the maximum dry density as determined by the Standard Effort (ASTM D 698) at a moisture content within 2 percent of the optimum moisture content in lifts not exceeding 8 inches loose measure.

The utilization of on-site silt/sand soils may present difficulties during construction, especially during and soon after periods of wet weather. If the utilization of the on-site silt/sand soils as fill is planned, treatment of these soils with lime-flyash or cement should produce a material that would be more suitable for use as fill.

Prior to any filling operations, samples of the proposed borrow materials should be obtained for laboratory moisture-density testing. The tests will provide a basis for evaluation of fill compaction by in-place density testing. A qualified soil technician should perform sufficient in-place density tests during the filling operations to evaluate that proper levels of compaction are being attained.

Wet Weather/Soft Subgrade Considerations

Due to the elevated silt and sand content and negligible to low plasticity of the surficial soils observed at this site, proper compaction may be difficult to achieve. The workability of the subgrade may be affected by precipitation, repetitive construction traffic or other factors. If unworkable conditions develop, workability may be improved by methods of subgrade improvement.

Methods of subgrade improvement, as described below, could include scarification, moisture conditioning and recompaction, removal of unstable materials and replacement with select fill, and chemical treatment. The appropriate method of improvement, if required, would be dependent on factors such as schedule, weather, the size of area to be stabilized, and the nature of the instability. More detailed recommendations can be provided during construction as the need for subgrade stabilization occurs. Performing site grading operations during warm seasons and dry periods would help reduce the amount of subgrade stabilization required.

If the exposed subgrade is unstable during proofrolling operations, it could be stabilized using one of the methods outlined below.

- **Scarification and Recompaction** - It may be feasible to scarify, dry, and recompact the exposed soils. The success of this procedure would depend primarily upon favorable weather and sufficient time to dry the soils. Stable subgrades likely would not be achievable if the thickness of the unstable soil is greater than about 1 foot, if the unstable soil is at or near groundwater levels, or if construction is performed during a period of wet or cool weather when drying is difficult.
- **Select fill** - Removal and replacement with select fill is a common procedure to improve subgrade stability. The undercut depth below finished subgrade elevation will depend on the site conditions at the time of construction.
- **Chemical Treatment** - Based on our experience with similar soils, chemical treatment with lime-fly-ash or cement is an efficient and effective method to

improve the condition of wet and soft subgrade such as that observed at this site. Chemical treatment may be necessary to depths of approximately one to 2 feet or greater of the surficial silty/sandy soils, depending on the condition of the subgrade at the time of construction. We suggest that a cost be included in the construction budget for chemical treatment of the soils using a lime-flyash mixture or cement to aid drying and improve the condition of the soil if the soil is wet and/or soft at the time of construction. We recommend that this cost be in the form of a contingency or allowance to be used if needed. Chemical treatment should be performed by a pre-qualified contractor having experience with successfully stabilizing subgrades in the project area on similar sized projects with similar soil conditions. Terracon should be contacted for additional recommendations if chemical treatment is needed due to soft and wet subgrade.

The subgrade should be conditioned by one of these means such that it can be proofrolled without undue deflection or rutting. Further evaluation of the need and recommendations for subgrade stabilization can be provided during construction as the geotechnical conditions are exposed.

Pavement Section

Once the subgrade is properly prepared, a flexible pavement system may be considered for this project. Detailed traffic loads and frequencies were not available at the time of this report. However, we anticipate that traffic along Adams Flat Road will primarily consist of passenger vehicles, delivery and garbage trucks, school buses, and occasional heavy-duty vehicles.

We understand the proposed roadway for this project will be designed and constructed in accordance with Waller County design standards. Based on the 2024 Waller County Engineering Design Manual, the minimum pavement section for permanent asphalt roadways shall consist of 3 inches of asphaltic concrete surface course over 8 inches of flexible base material underlain by 8 inches of chemically treated subgrade.

Based on the subsurface conditions, we anticipate that the proposed pavement subgrade will generally consist of non-plastic to medium plasticity soils. We recommend that the finished subgrade soils directly beneath the pavements be chemically treated with lime fly-ash or cement. Chemical treatment will increase the supporting value of the subgrade and decrease the effect of moisture on subgrade soils. These 8 inches of treatment is a required part of the pavement design and is not a part of site and subgrade preparation for wet/soft subgrade conditions.

Using the 1993 AASHTO Guide for Design of Pavement Structures, we estimated the equivalent 18-kip ESALs that the proposed pavement section can support. This estimation assumes that excellent drainage is maintained throughout a 20-year design

life of the pavement and that pavement moisture levels approach saturation one percent of the time or less.

Flexible Pavement System ¹			
Asphaltic Concrete (inches)	Flexible Base Material (inches)	Chemically Treated Subgrade (inches)	Approximate ESALs Supported
3	8	8	1,200,000

1. Waller County minimum pavement section for permanent asphalt roadways.

Additionally, we estimated the equivalent 18-kip ESALs from available AADT data. According to the TxDOT TPP Statewide Traffic Count Map, the 2021 AADT for Adams Flat Road was 2,602 vehicles. Using the 1993 AASHTO Guide for Design of Pavement Structures and assuming a 14% truck distribution, a truck load equivalency factor of 1.1, a 2% annual traffic growth rate, a directional distribution factor of 0.5, and a lane distribution factor of 100% (single lane per direction), we calculated that the equivalent 18-kip ESALs over a 20-year design period is approximately 1.8 million. If different assumptions are to be utilized by the client, Terracon should be contacted to revise our calculations.

The pavement section that can support the 18-kip ESALs estimated from the available AADT data is provided on the table below. In our analysis, we also assumed that excellent drainage is maintained throughout a 20-year design life of the pavement and that pavement moisture levels approach saturation one percent of the time or less.

Flexible Pavement System ¹			
Asphaltic Concrete (inches)	Flexible Base Material (inches)	Chemically Treated Subgrade (inches)	Approximate ESALs Supported
3	10	8	1,800,000

1. Minimum pavement section that can support 18-kip ESALs estimated from the available AADT data.

A summary of our calculations is included in the [Supporting Information](#) section of this report.

Maintenance and drainage will have a significant influence on the acceptable performance of the new pavement. The service life of the pavement is dependent on periodic maintenance, adequate drainage, and traffic that is consistent with the traffic assumption previously mentioned.

Material Requirements

Hot-Mix Asphalt (HMA) Surface Course – The asphalt surface course should be plant mixed, hot laid (Dense Graded Surface Course) meeting the specifications requirements in the Harris County 2023 Standard Specifications for Construction of Roads and Bridges, Items 340 and 341.

Flexible Base Material – Base material should be composed of crushed stone aggregate materials meeting the requirements of the Harris County 2023 Standard Specifications for Construction of Roads and Bridges, Item 247. The base material should be compacted to at least 95 percent of the Modified Effort (ASTM D 1557) maximum dry density at moisture content ranging from optimum to 3 percent above optimum.

Lime-Flyash Treated Subgrade – We anticipate the pavement subgrade will generally consist of on-site silty sands and slight plasticity to medium plasticity clay soils. The pavement subgrade should be treated with lime-flyash in accordance with the Harris County 2023 Standard Specifications for Construction of Roads and Bridges, Item 265. Based on the classification test results, we recommend that about 2 to 3 percent lime and 7 to 8 percent flyash by dry weight of soil be used for estimating and planning. The percentages are given as application by dry weight and are typically equivalent to about 15 to 20 pounds of lime and 45 to 55 pounds of flyash per square yard per 8-inch depth. Lime-flyash is also available pre-mixed, typically in percentages of 20 to 30 percent lime and 70 to 80 percent flyash. These pre-mixed products may be used if preferred at a rate of 70 pounds per square yard per 8-inch depth. The subgrade soils should be compacted to a minimum of 95 percent of the material's Standard Effort (ASTM D 698) maximum dry density at a moisture content within 2 percent of the optimum moisture content.

Preferably, traffic should be kept off the treated subgrade for 7 days to facilitate curing of the soil-chemical mixture. In addition, the subgrade is not suitable for heavy construction traffic prior to paving.

Cement Treated Subgrade – As an alternative to lime-flyash treatment, the pavement subgrade may be treated with cement in accordance with the Harris County 2023 Standard Specifications for Construction of Roads and Bridges, Item 275. We recommend the use of 5 percent cement by dry weight of soil which is equivalent to about 35 pounds of cement per square yard of area to be treated for the recommended 8-inch thickness of cement treated subgrade soil. The cement and soil should be thoroughly dry mixed to a uniform consistency, the moisture content should be adjusted to within 2 percent of optimum, and the mixture should be compacted to at least 95 percent of the material's maximum dry unit weight determined by the Standard Effort (ASTM D698). Compaction should be completed within 2 hours of the addition of water to the dry-mixed materials.

The cement treated subgrade must be moist cured for a period of at least 72 hours after completion of compaction. Traffic should not be allowed on the treated subgrade during that curing period.

Additionally, subgrade soils treated with cement sometimes experience shrinkage cracks. The surface of the cement treated subgrade may be microcracked to minimize reflective cracking and improve pavement performance or may be protected with an asphaltic prime coat to reduce the potential for development of shrinkage cracks.

Maintenance Considerations

The pavement design methods described above are intended to provide structural sections with adequate thickness over a particular subgrade such that wheel loads are reduced to a level the subgrade can support. The support characteristics of the subgrade for pavement design do not account for shrink/swell movements of an expansive clay subgrade such as the soils encountered at this site. Thus, the pavement may be adequate from a structural standpoint, yet still experience cracking and deformation due to shrink/swell related movement of the subgrade. Post-construction subgrade movements and some cracking of pavements are not uncommon for clay subgrade conditions such as those observed at this site. Reducing moisture changes in the subgrade is important to reduce shrink/swell movements. Although chemical treatment will help to reduce such movement/cracking, this movement/cracking cannot be feasibly eliminated.

Related civil design factors such as subgrade drainage, shoulder support, cross-sectional configurations, surface elevations and environmental factors which will significantly affect the service life must be included in the preparation of the construction drawings and specifications. Normal periodic maintenance will be required.

Long-term pavement performance will be dependent upon several factors, including maintaining subgrade moisture levels and providing for preventative maintenance. The following recommendations should be implemented to help promote long-term pavement performance:

- The subgrade and the pavement surface should be designed to promote proper surface drainage, preferably at a minimum grade of 2 percent.
- Install joint sealant and seal cracks immediately.
- Extend curbs (when applicable) into the treated subgrade for a depth of at least 4 inches to help reduce moisture migration into the subgrade soils beneath the pavement section.
- Place compacted, low permeability clayey backfill against the exterior side of the curb and gutter (when applicable).

Preventative maintenance should be planned and provided for the pavements at this site. Preventative maintenance activities are intended to slow the rate of pavement deterioration and consist of both localized maintenance (e.g. crack and joint sealing and patching) and global maintenance (e.g. surface sealing). Prior to implementing any maintenance, additional engineering observations are recommended to determine the type and extent of preventative maintenance.

We understand roadside drainage ditches are planned along both sides of Adams Flat Road, if water flow is permitted along the sideslopes of the roadway, the near-surface soils will likely erode, causing gradual steepening and subsequent sloughing of the sideslopes. Therefore, the sideslopes should be protected against sheet flow or concentrated high velocity water flow. Sidelopes can be protected with vegetation, similar to the existing vegetation cover along the existing Adams Flat Road. Other measures to protect the sideslopes may include slope paving, rip-rap, or geofabrics. Routine maintenance should be performed to reconstruct areas where sloughing and/or erosion have occurred.

General Comments

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Variations will occur between exploration point locations, across the site, or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the Geotechnical Engineer, where noted in this report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our Scope of Services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Our services and any correspondence are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third-party beneficiaries intended. Any third-party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client and is not intended for third parties. Any use or reliance on the provided information by third

parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is made at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly affect excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing.

Site safety and cost estimating including excavation support and dewatering requirements/design are the responsibility of others. Construction and site development have the potential to affect adjacent properties. Such impacts can include damages due to vibration, modification of groundwater/surface water flow during construction, foundation movement due to undermining or subsidence from excavation, as well as noise or air quality concerns. Evaluation of these items on nearby properties are commonly associated with contractor means and methods and are not addressed in this report. The owner and contractor should consider a preconstruction/precondition survey of surrounding development. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing.

Geotechnical Engineering Report

WC PCT3 – Adams Flat Road | Waller County, Texas

August 20, 2025 | Terracon Project No. 92255083

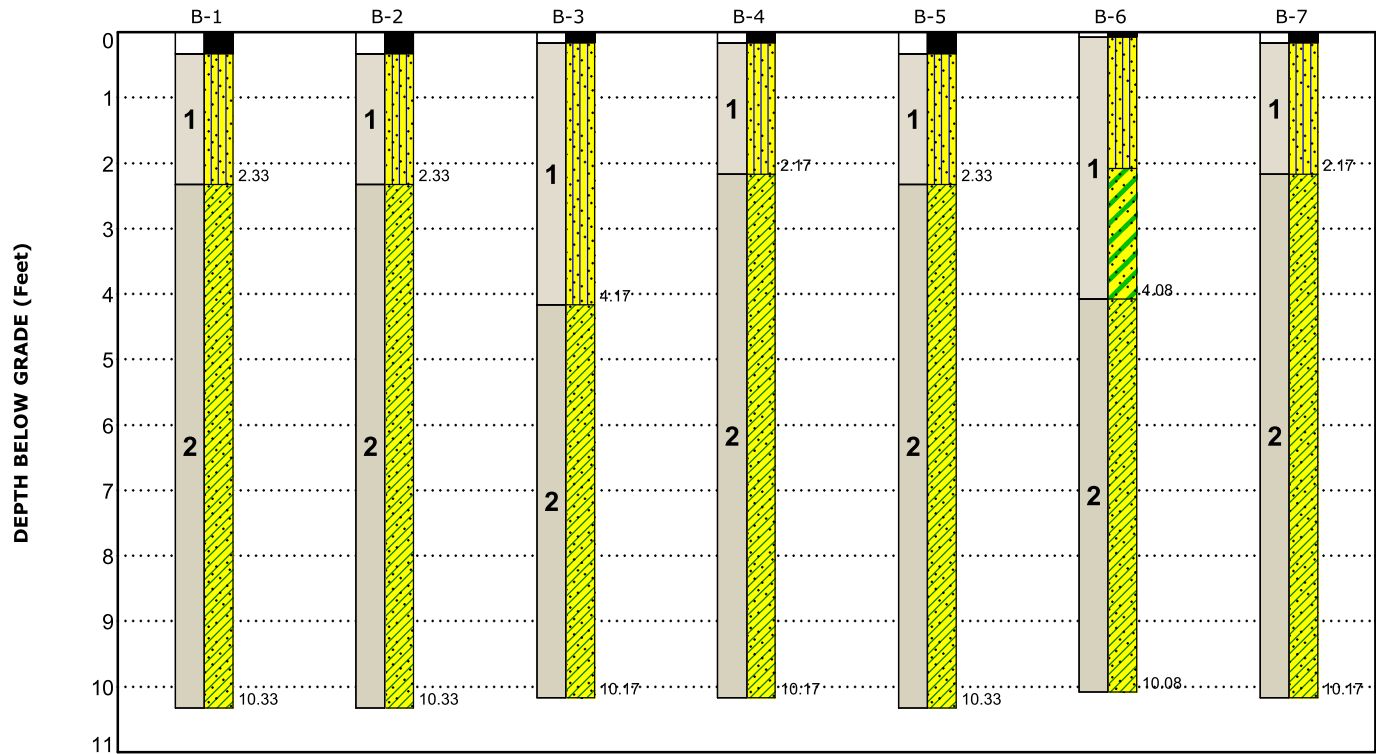


Figures

Contents:

GeoModel (3 pages)

GeoModel

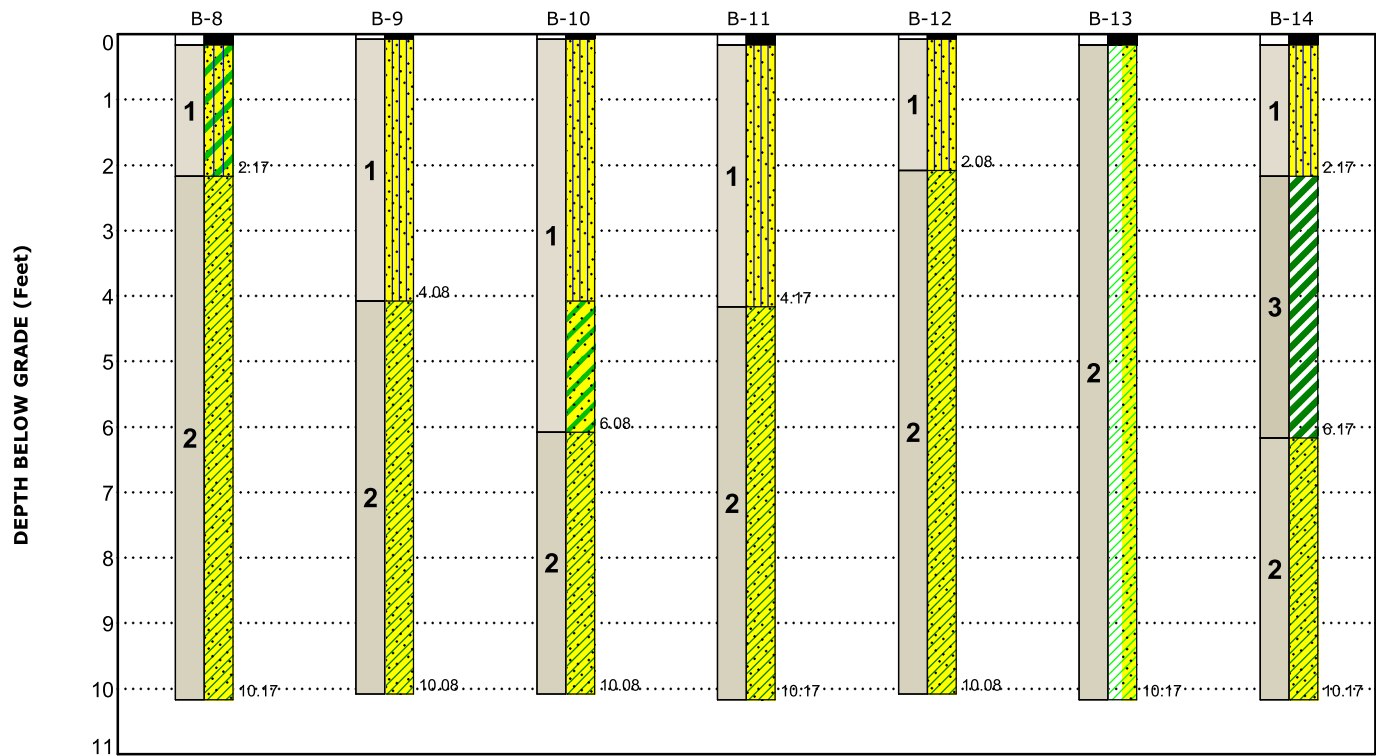


This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

Model Layer	Layer Name	General Description	Legend	
1	Silty Sand, Silty Clayey Sand, and Clayey Sand	gray and tan, loose to medium dense, non-plastic to slight plasticity, dry to moist, with clay seams and pockets	Asphalt	Silty Sand
2	Lean Clay, Sandy Lean Clay, and Silty Clay	reddish brown, gray, and tan, soft to hard, slight to high plasticity, moist, with sand seams and pockets	Sandy Lean Clay	Clayey Sand
3	Fat Clay	tan and light gray, very stiff, very high plasticity, moist, with sand pockets		

NOTES:
Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project.
Numbers adjacent to soil column indicate depth below ground surface.

GeoModel

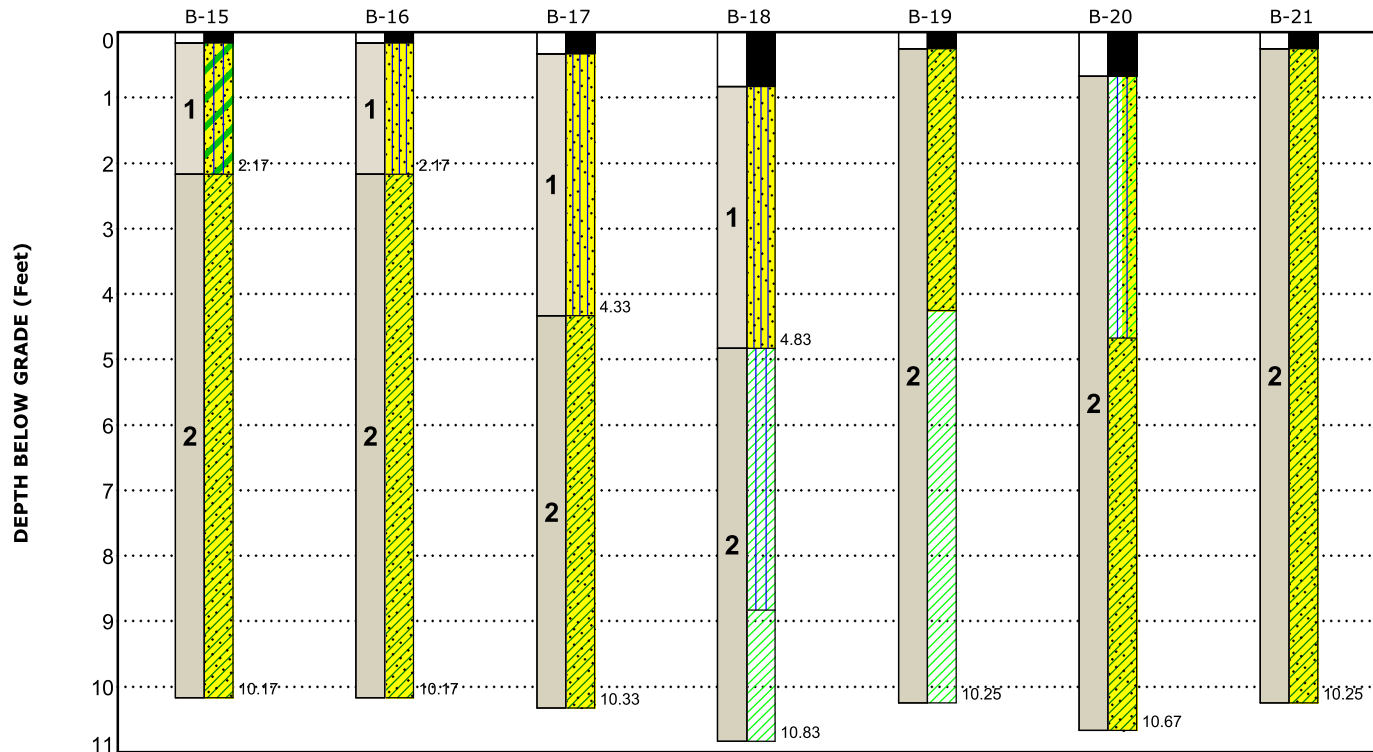


This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

Model Layer	Layer Name	General Description	Legend	
1	Silty Sand, Silty Clayey Sand, and Clayey Sand	gray and tan, loose to medium dense, non-plastic to slight plasticity, dry to moist, with clay seams and pockets	Asphalt	Silty Clayey Sand
2	Lean Clay, Sandy Lean Clay, and Silty Clay	reddish brown, gray, and tan, soft to hard, slight to high plasticity, moist, with sand seams and pockets	Sandy Lean Clay	Silty Sand
3	Fat Clay	tan and light gray, very stiff, very high plasticity, moist, with sand pockets	Clayey Sand	Lean Clay with Sand
			Fat Clay	

NOTES:
Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project.
Numbers adjacent to soil column indicate depth below ground surface.

GeoModel



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

Model Layer	Layer Name	General Description	Legend	
1	Silty Sand, Silty Clayey Sand, and Clayey Sand	gray and tan, loose to medium dense, non-plastic to slight plasticity, dry to moist, with clay seams and pockets	Asphalt	Silty Clayey Sand
2	Lean Clay, Sandy Lean Clay, and Silty Clay	reddish brown, gray, and tan, soft to hard, slight to high plasticity, moist, with sand seams and pockets	Sandy Lean Clay	Silty Sand
3	Fat Clay	tan and light gray, very stiff, very high plasticity, moist, with sand pockets	Silty Clay	Lean Clay
			Silty Clay with Sand	

NOTES:

Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project.
 Numbers adjacent to soil column indicate depth below ground surface.

Geotechnical Engineering Report

WC PCT3 – Adams Flat Road | Waller County, Texas

August 20, 2025 | Terracon Project No. 92255083



Attachments

Exploration and Testing Procedures

Field Exploration

Number of Borings	Approximate Boring Depth (feet) ¹	Boring Location
21 (B-1 through B-21)	10	Along Existing Adams Flat Road

1. Below existing pavement subgrade at the time of our field program.

Boring Layout and Elevations: We used handheld Global Positioning System (GPS) equipment to locate the approximate latitude and longitude of the borings with an accuracy of +/-25 feet. The boring depths were measured from the existing ground surface at the time of our field activities. If elevations and a more precise boring layout are desired, we recommend borings be surveyed.

Subsurface Exploration Procedures: We augered through the existing pavement to access the underlying subgrade materials. We advanced soil borings with a truck-mounted drill rig using solid stem continuous flight augers. Samples were obtained continuously at 2-foot intervals to the termination depth of each boring (about 10 feet below existing pavement subgrade). Soil sampling was typically performed using open-tube and/or split-barrel sampling procedures.

Cohesive samples were recovered using open-tube samplers. Hand penetrometer tests were performed on samples of cohesive soils in the field to serve as a general measure of consistency.

Granular soils and soils for which good quality open-tube samples could not be recovered were sampled by means of the Standard Penetration Test (SPT). This test consists of measuring the number of blows (N) required for a 140-pound hammer free falling 30 inches to drive a standard split-spoon sampler 12 inches into the subsurface material after being seated six inches. This blow count or SPT “N” value is used to evaluate the stratum. An automatic SPT hammer was used in advancing the split-spoon sampler at the borings.

The samples were placed in appropriate containers, taken to our soil laboratory for testing, and classified by a geotechnical engineer. In addition, we observed and recorded groundwater levels during drilling and sampling. We backfilled the borings with non-shrink cement-bentonite grout upon completion and patched them at the surface with cold-mix asphalt.

Our exploration team prepared field boring logs as part of standard drilling operations including sampling depths, penetration distances, and other relevant sampling information. Field logs include visual classifications of materials observed during drilling, and our interpretation of subsurface conditions between samples. Final boring logs, prepared from field logs, represent an interpretation of the field logs by a Geotechnical Engineer and include modifications based on laboratory observation and tests on select samples.

Laboratory Testing

The project engineer reviewed the field data and assigned laboratory tests to understand the engineering properties of the various soil strata, as necessary, for this project. Procedural standards noted below are for reference to methodology in general. In some cases, variations to methods were applied because of local practice or professional judgment. Standards noted below include reference to other, related standards. Such references are not necessarily applicable to describe the specific test performed.

- ASTM D2216 Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
- ASTM D7263 Standard Test Methods for Laboratory Determination of Density (Unit Weight) of Soil Specimens
- ASTM D4318 Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
- ASTM D1140 Standard Test Method for Determining the Amount of Materials Finer than No. 200 Sieve in Soils by Washing
- ASTM D2166/D2166M Standard Test Method for Unconfined Compressive Strength of Cohesive Soil
- ASTM D698 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft³ (600 kN-m/m³))
- ASTM D1883 Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils

Based on the results of our field and laboratory programs, we described and classified the soil samples in accordance with the Unified Soil Classification System (USCS).

Samples not tested in the laboratory will be stored for a period of 30 days subsequent to submittal of this report and will be discarded after this period, unless we are notified otherwise.

Geotechnical Engineering Report

WC PCT3 – Adams Flat Road | Waller County, Texas

August 20, 2025 | Terracon Project No. 92255083



Site Location and Exploration Plan

Contents:

Site Location

Exploration Plan

Geotechnical Engineering Report

WC PCT3 – Adams Flat Road | Waller County, Texas

August 20, 2025 | Terracon Project No. 92255083



Site Location

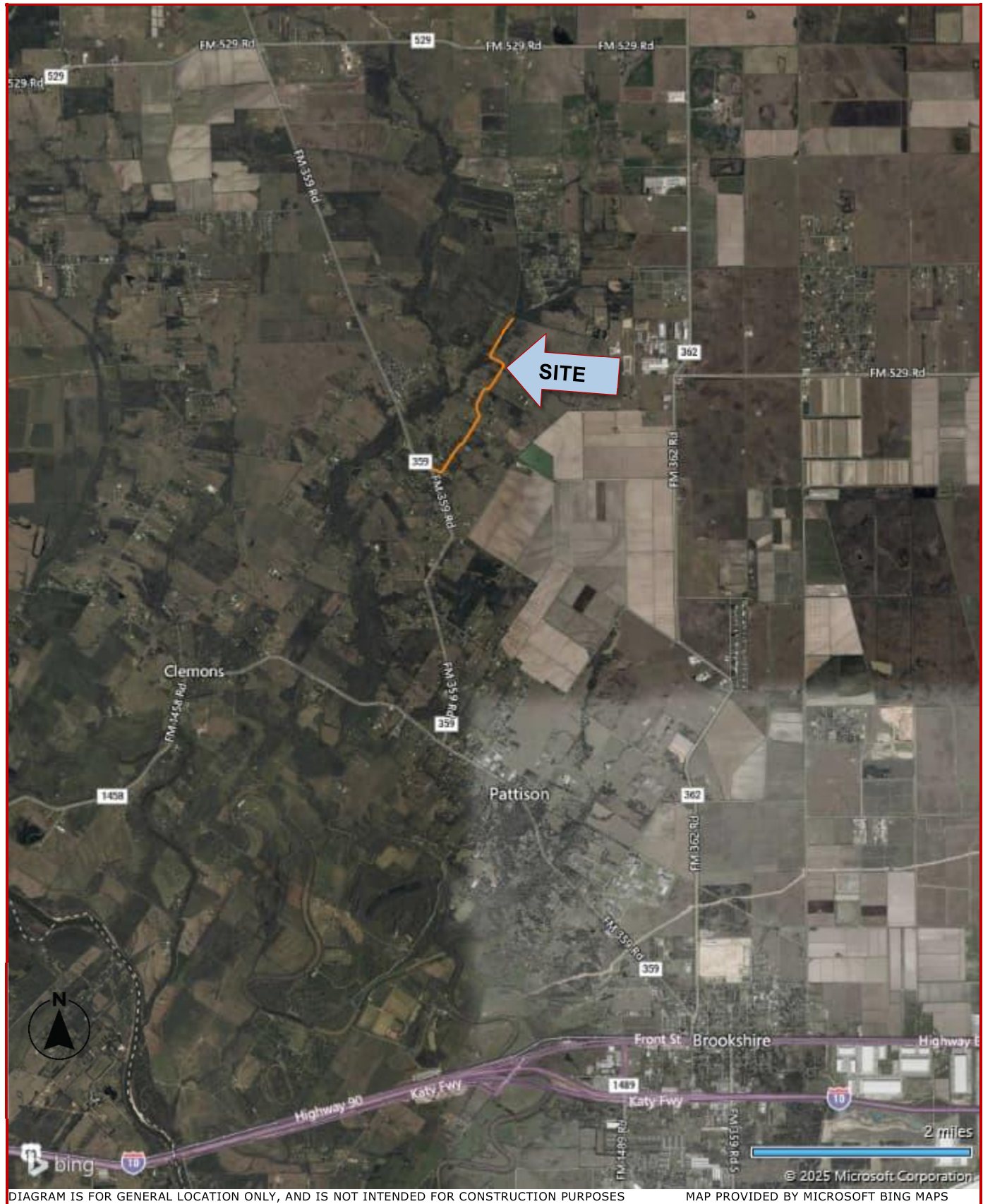


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

MAP PROVIDED BY MICROSOFT BING MAPS

Exploration Plan

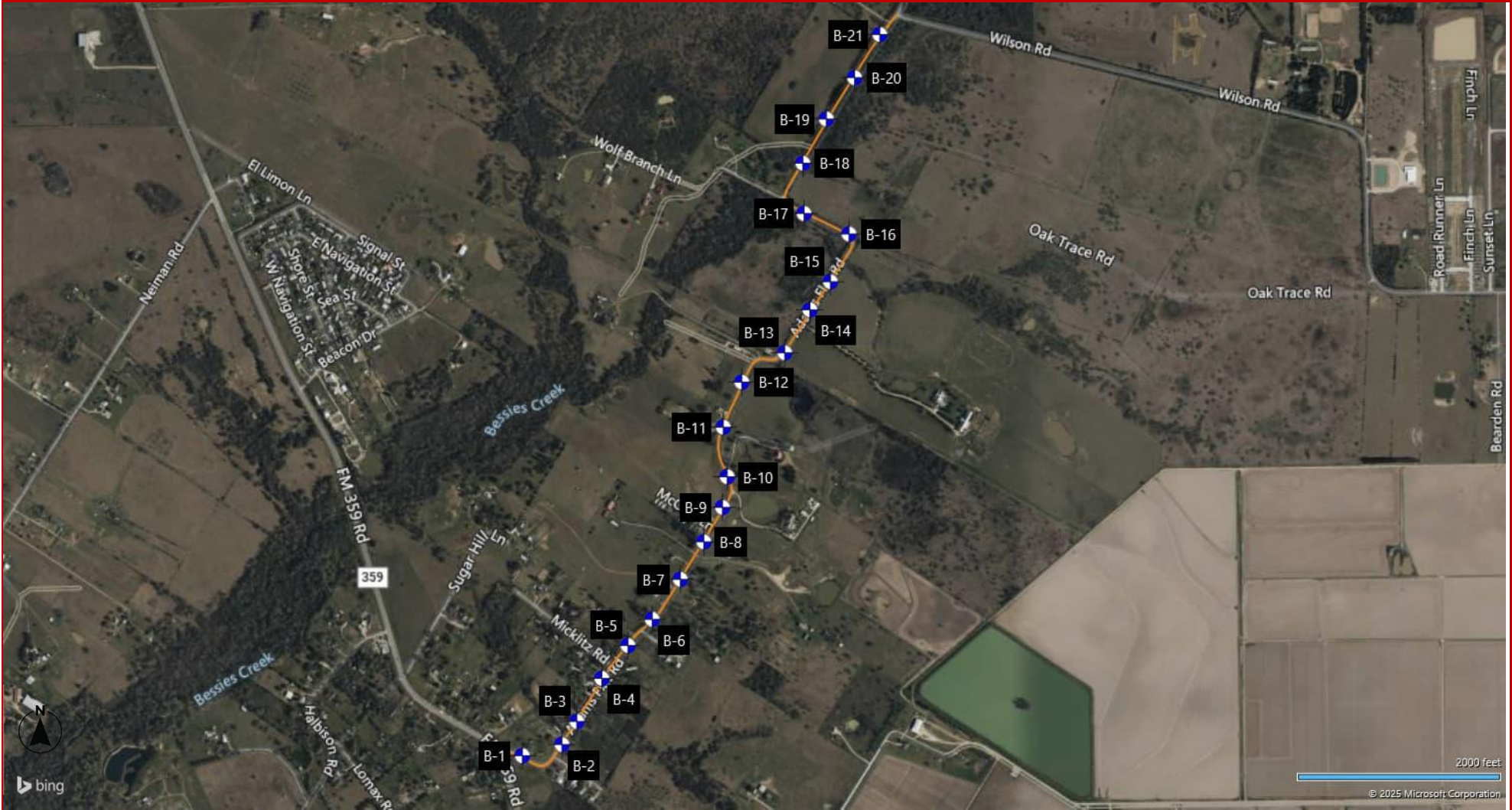


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

MAP PROVIDED BY MICROSOFT BING MAPS

Exploration and Laboratory Results

Contents:

Boring Logs (B-1 through B-21)
Standard Proctor Test Results
CBR Test Results

Note: All attachments are one page unless noted above.

Boring Log No. B-1

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8616° Longitude: -95.9961° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
		0.3											
1		PAVEMENT , approximately 2 inches of asphaltic concrete over about 2 inches of crushed stone material SILTY SAND (SM) , loose, gray, dry				4-3-4 N=7				7.1			24.1
		2.3											
		SANDY LEAN CLAY (CL) , stiff to very stiff, high plasticity, reddish brown and gray, moist, with sand seams and pockets				3.5 (HP)	UC	2.16	3.5	17.7	105	47-19-28	
2			5			2.5 (HP)							
						2.5 (HP)							
						2.0 (HP)							
		10.3	10										
		Boring Terminated at about 10 Feet											

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
 See [Supporting Information](#) for explanation of symbols and abbreviations.

Water Level Observations
 No free water observed.

Drill Rig
 Truck
Hammer Type
 Automatic
Driller
 Herman Drilling

Notes

Advancement Method
 Dry augered to 10 feet below pavement subgrade.

Logged by
 J. Grimes
Boring Started
 06-19-2025
Boring Completed
 06-19-2025

Abandonment Method
 Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.

Boring Log No. B-2

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8619° Longitude: -95.9949° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
		0.3											
1		PAVEMENT , approximately 2 inches of asphaltic concrete over about 2 inches of crushed stone material SILTY SAND (SM) , loose, non-plastic, gray, moist				2-3-5 N=8				10.0		NP	27.6
		2.3											
		SANDY LEAN CLAY (CL) , very stiff, reddish brown and gray, moist, with sand seams and pockets				4.0 (HP)	UC	3.75	4.4	12.8	118		
2			5			3.0 (HP)							
						3.0 (HP)							
						3.0 (HP)							
		10.3	10										
		Boring Terminated at about 10 Feet											

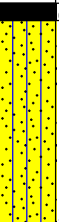
Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).	Water Level Observations No free water observed.	Drill Rig Truck
	See Supporting Information for explanation of symbols and abbreviations.		
Notes		Hammer Type Automatic	Driller Herman Drilling
Notes		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
Notes		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-19-2025
Notes			Boring Completed 06-19-2025

Boring Log No. B-3

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8625° Longitude: -95.9944° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.2 PAVEMENT , approximately 2 inches of asphaltic concrete											
		SILTY SAND (SM) , loose, non-plastic, light gray, dry				3-3-5 N=8				6.8		NP	28.2
						3-4-4 N=8							
2		4.2 SANDY LEAN CLAY (CL) , firm to very stiff, light gray and tan, moist, with sand seams and pockets	5			2.5 (HP)							
						2.0 (HP)	UC	0.59	1.8	12.7	119		
						2.5 (HP)							
		10.2 Boring Terminated at about 10 Feet	10										

Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).	Water Level Observations No free water observed.	Drill Rig Truck
	See Supporting Information for explanation of symbols and abbreviations.		
Notes		Hammer Type Automatic	Driller Herman Drilling
Notes		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
Notes		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-20-2025
Notes			Boring Completed 06-20-2025

Boring Log No. B-4

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8637° Longitude: -95.9936° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.2 PAVEMENT , approximately 2 inches of asphaltic concrete SILTY SAND (SM) , loose, non-plastic, gray, dry											
		2.2				3-4-3 N=7				9.5		15-14-1	36.0
2		SANDY LEAN CLAY (CL) , very stiff, reddish brown and gray, moist, with sand seams and pockets				4.0 (HP)	UC	3.05	3.5	20.9	105		
			5			3.5 (HP)							
						4.5 (HP)							
						4.5 (HP)							
		10.2 Boring Terminated at about 10 Feet	10										

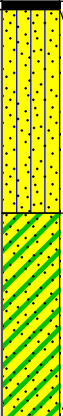
Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations.	Water Level Observations No free water observed.	Drill Rig Truck
			Hammer Type Automatic
			Driller Herman Drilling
		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-19-2025
			Boring Completed 06-19-2025

Boring Log No. B-5

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8646° Longitude: -95.9928° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
		0.3											
1		PAVEMENT , approximately 2 inches of asphaltic concrete over about 2 inches of crushed stone material SILTY SAND (SM) , medium dense, non-plastic, gray, dry				3-5-5 N=10				7.8		NP	31.5
		2.3											
		SANDY LEAN CLAY (CL) , very stiff, reddish brown and gray, moist, with sand seams and pockets				4.5 (HP)	UC	3.16	3.8	16.9	110		
2			5			4.5 (HP)							
						4.5 (HP)							
						3.0 (HP)							
		10.3	10										
		Boring Terminated at about 10 Feet											

Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).	Water Level Observations No free water observed.	Drill Rig Truck
	See Supporting Information for explanation of symbols and abbreviations.		
Notes		Hammer Type Automatic	Driller Herman Drilling
Notes		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
Notes		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-20-2025
Notes			Boring Completed 06-20-2025

Boring Log No. B-6

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8653° Longitude: -95.9921° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	Percent Fines
1		0.1 PAVEMENT , approximately 1 inch of asphaltic concrete											
		SILTY SAND (SM) , loose, non-plastic, gray, moist				2-3-4 N=7				10.4		15-14-1	41.0
		2.1 CLAYEY SAND (SC) , gray, moist, with clay seams				1.0 (HP)	UC	0.28	1.6	14.8	114		
2		4.1 SANDY LEAN CLAY (CL) , firm to very stiff, gray and tan, moist, with sand seams and pockets				3.5 (HP)							
						1.0 (HP)							
						1.0 (HP)							
		10.1 Boring Terminated at about 10 Feet	10										

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
See [Supporting Information](#) for explanation of symbols and abbreviations.

Water Level Observations
No free water observed.

Drill Rig
Truck
Hammer Type
Automatic
Driller
Herman Drilling

Notes

Advancement Method
Dry augered to 10 feet below pavement subgrade.

Logged by
J. Grimes
Boring Started
06-19-2025
Boring Completed
06-19-2025

Abandonment Method
Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.

Boring Log No. B-7

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8664° Longitude: -95.9912° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.2 PAVEMENT , approximately 2 inches of asphaltic concrete											
		SILTY SAND (SM) , loose, non-plastic, light gray, moist				5-3-5 N=8				11.3		NP	32.9
2		2.2 SANDY LEAN CLAY (CL) , stiff to very stiff, light gray and tan, moist, with sand seams and pockets				2.0 (HP)	UC	1.14	6	15.9	110		
			5			4.5 (HP)							
						4.5 (HP)							
		- light gray and reddish brown below 6 feet				4.5 (HP)							
		10.2	10										
		Boring Terminated at about 10 Feet											

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations.	Water Level Observations No free water observed.	Drill Rig Truck Hammer Type Automatic Driller Herman Drilling
	Advancement Method Dry augered to 10 feet below pavement subgrade. Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Logged by J. Grimes Boring Started 06-20-2025 Boring Completed 06-20-2025
Notes		

Boring Log No. B-8

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8674° Longitude: -95.9905° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.2 PAVEMENT , approximately 2 inches of asphaltic concrete											
		SILTY CLAYEY SAND (SC-SM) , loose, slight plasticity, gray, dry, with clay seams				4-3-5 N=8				9.9		19-14-5	42.4
2		2.2 SANDY LEAN CLAY (CL) , very stiff to hard, tan, moist, with sand seams and pockets				4.0 (HP)	UC	5.45	4.2	12.2	117		
			5			4.5 (HP)							
						4.5 (HP)							
						3.5 (HP)							
		10.2 Boring Terminated at about 10 Feet	10										

Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations.	Water Level Observations No free water observed.	Drill Rig Truck
			Hammer Type Automatic
			Driller Herman Drilling
		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-20-2025
			Boring Completed 06-20-2025

Boring Log No. B-9

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8683° Longitude: -95.9899° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.1 PAVEMENT , approximately 1 inch of asphaltic concrete SILTY SAND (SM) , loose, tan, dry											
						2-4-4 N=8				8.1			26.1
						3-4-3 N=7							
2		4.1 SANDY LEAN CLAY (CL) , soft to very stiff, medium plasticity, tan, moist, with sand seams and pockets											
			5			3.0 (HP)	UC	0.25	1.2	15.4	113	31-14-17	
						3.0 (HP)							
						3.0 (HP)							
		10.1 Boring Terminated at about 10 Feet	10										

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
 See [Supporting Information](#) for explanation of symbols and abbreviations.

Water Level Observations
 No free water observed.

Drill Rig
 Truck
Hammer Type
 Automatic
Driller
 Herman Drilling

Notes

Advancement Method
 Dry augered to 10 feet below pavement subgrade.

Logged by
 J. Grimes
Boring Started
 06-19-2025
Boring Completed
 06-19-2025

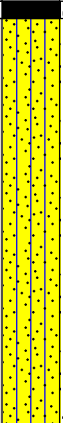
Abandonment Method
 Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.

Boring Log No. B-10

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8691° Longitude: -95.9897° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.1 PAVEMENT , approximately 1 inch of asphaltic concrete											
		SILTY SAND (SM) , loose to medium dense, non-plastic, gray and tan, dry				5-6-5 N=11				9.1			26.5
		- moist, with clay pockets 2 to 4 feet				1.0 (HP)	UC	0.88	5	11.6	122	14-13-1	
2		4.1 CLAYEY SAND (SC) , medium dense, gray and tan, moist	5			1.5 (HP)							
		6.1 SANDY LEAN CLAY (CL) , very stiff, light gray and tan, moist, with sand seams and pockets				2.5 (HP)							
		10.1	10			4.5 (HP)							
		Boring Terminated at about 10 Feet											

Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).	Water Level Observations No free water observed.	Drill Rig Truck
	See Supporting Information for explanation of symbols and abbreviations.		
Notes		Hammer Type Automatic	Driller Herman Drilling
Notes		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
Notes		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-19-2025
Notes		Boring Completed 06-19-2025	

Boring Log No. B-11

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8704° Longitude: -95.9899° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.2 PAVEMENT , approximately 2 inches of asphaltic concrete SILTY SAND (SM) , loose to medium dense, non-plastic, light gray, dry											
						4-6-6 N=12				1.9		NP	17.9
						3-4-4 N=8							
2		4.2 SANDY LEAN CLAY (CL) , stiff to very stiff, tan, moist, with sand seams and pockets	5			3.0 (HP)	UC	1.40	6.8	13.4	120		
						2.5 (HP)							
						2.5 (HP)							
		10.2 Boring Terminated at about 10 Feet	10										

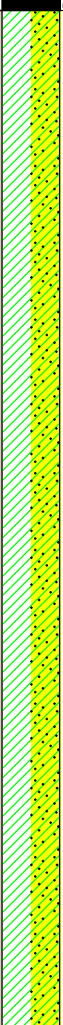
Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations.	Water Level Observations No free water observed.	Drill Rig Truck
			Hammer Type Automatic
			Driller Herman Drilling
		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-20-2025
			Boring Completed 06-20-2025

Boring Log No. B-12

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8717° Longitude: -95.9893° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.1' PAVEMENT , approximately 1 inch of asphaltic concrete SILTY SAND (SM) , loose, tan, dry											
						6-4-5 N=9				5.5			16.1
2		2.1' SANDY LEAN CLAY (CL) , stiff to very stiff, medium plasticity, tan, moist, with sand seams and pockets				4.0 (HP)	UC	1.58	3.2	14.6	115	29-14-15	
			5			3.5 (HP)							
						2.5 (HP)							
						2.0 (HP)							
		10.1' Boring Terminated at about 10 Feet	10										

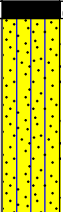
Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations.	Water Level Observations No free water observed.	Drill Rig Truck
			Hammer Type Automatic
			Driller Herman Drilling
		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-19-2025
			Boring Completed 06-19-2025

Boring Log No. B-13

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8725° Longitude: -95.9880° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
2		0.2 PAVEMENT , approximately 2 inches of asphaltic concrete											
		LEAN CLAY WITH SAND (CL) , stiff to very stiff, high plasticity, light gray and tan, moist, with sand pockets				2.0 (HP)				16.8		43-18-25	84.3
						2.0 (HP)	UC	1.22	15	13.4	118		
			5			2.0 (HP)							
						3.5 (HP)							
						4.5 (HP)							
		10.2	10										
		Boring Terminated at about 10 Feet											

Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations.	Water Level Observations No free water observed.	Drill Rig Truck
			Hammer Type Automatic
			Driller Herman Drilling
		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-20-2025
			Boring Completed 06-20-2025

Boring Log No. B-14

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8736° Longitude: -95.9872° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.2 PAVEMENT , approximately 1 inch of asphaltic concrete over about 1 inch of crushed stone material SILTY SAND (SM) , loose, gray, moist				5-4-5 N=9				10.4			38.5
		2.2											
3		FAT CLAY (CH) , very stiff, very high plasticity, tan and light gray, moist, with sand pockets	5			2.0 (HP)	UC	2.93	15	16.3	117	69-18-51	
		6.2				4.5 (HP)							
2		SANDY LEAN CLAY (CL) , very stiff, light gray and tan, moist, with sand seams and pockets				4.5 (HP)							
		10.2				4.5 (HP)							
		Boring Terminated at about 10 Feet	10										

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
See [Supporting Information](#) for explanation of symbols and abbreviations.

Water Level Observations
No free water observed.

Drill Rig
Truck

Hammer Type
Automatic

Driller
Herman Drilling

Notes

Advancement Method
Dry augered to 10 feet below pavement subgrade.

Logged by
J. Grimes

Boring Started
06-19-2025

Boring Completed
06-19-2025

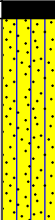
Abandonment Method
Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.

Boring Log No. B-15

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8744° Longitude: -95.9865° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.2 PAVEMENT , approximately 2 inches of asphaltic concrete											
		1.2 SILTY CLAYEY SAND (SC-SM) , medium dense, non-plastic, gray and tan, moist, with clay seams				4-5-6 N=11				11.0		18-14-4	39.9
2		2.2 SANDY LEAN CLAY (CL) , stiff to very stiff, light gray and tan, moist, with sand seams and pockets				2.5 (HP)	UC	1.46	14.4	19.7	109		
			5			2.0 (HP)							
						3.5 (HP)							
						4.0 (HP)							
		10.2	10										
		Boring Terminated at about 10 Feet											

Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations.	Water Level Observations No free water observed.	Drill Rig Truck
			Hammer Type Automatic
			Driller Herman Drilling
		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-20-2025
			Boring Completed 06-20-2025

Boring Log No. B-16

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8757° Longitude: -95.9860° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		0.2 PAVEMENT , approximately 2 inches of asphaltic concrete SILTY SAND (SM) , medium dense, non-plastic, gray, moist, with clay seams											
		2.2				4-4-7 N=11				10.2		14-13-1	46.8
2		SANDY LEAN CLAY (CL) , stiff to very stiff, gray and tan, moist, with sand seams and pockets				2.0 (HP)	UC	1.38	15	21.2	104		
			5			2.0 (HP)							
						2.0 (HP)							
						4.0 (HP)							
		10.2	10										
		Boring Terminated at about 10 Feet											

Notes	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations.	Water Level Observations No free water observed.	Drill Rig Truck
			Hammer Type Automatic
			Driller Herman Drilling
		Advancement Method Dry augered to 10 feet below pavement subgrade.	Logged by J. Grimes
		Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Boring Started 06-20-2025
			Boring Completed 06-20-2025

Boring Log No. B-17

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8762° Longitude: -95.9874° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
1		PAVEMENT , approximately 2 inches of asphaltic concrete over about 2 inches of crushed stone material SILTY SAND (SM) , loose to medium dense, gray, moist, with clay pockets SANDY LEAN CLAY (CL) , very stiff, high plasticity, light gray and tan, moist, with sand seams and pockets	0.3										
						4-5-5 N=10				10.9			40.5
			4.3			3-5-4 N=9							
2		SANDY LEAN CLAY (CL) , very stiff, high plasticity, light gray and tan, moist, with sand seams and pockets	5			4.5 (HP)	UC	2.33	14.9	15.2	115	43-14-29	
						4.0 (HP)							
			10			4.0 (HP)							
		Boring Terminated at about 10 Feet	10.3										

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

See [Supporting Information](#) for explanation of symbols and abbreviations.

Water Level Observations
No free water observed.

Drill Rig
Truck

Hammer Type
Automatic

Driller
Herman Drilling

Notes

Advancement Method
Dry augered to 10 feet below pavement subgrade.

Logged by
J. Grimes

Abandonment Method
Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.

Boring Started
06-19-2025

Boring Completed
06-19-2025

Boring Log No. B-18

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8776° Longitude: -95.9874° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
		PAVEMENT , approximately 2 inches of asphaltic concrete over about 8 inches of crushed stone material 0.8											
1		SILTY SAND (SM) , loose, gray, moist, with clay seams 4.8				2-4-4 N=8				13.4			46.3
						4-3-4 N=7							
2		SILTY CLAY (CL-ML) , firm to stiff, slight plasticity, gray, moist 8.8	5			1.5 (HP)	UC	0.91	4	12.8	112	22-15-7	
						1.5 (HP)							
		LEAN CLAY (CL) , stiff, gray, moist, with sand pockets 10.8	10			1.5 (HP)							
		Boring Terminated at about 11 Feet											

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations.	Water Level Observations No free water observed.	Drill Rig Truck Hammer Type Automatic Driller Herman Drilling
	Advancement Method Dry augered to 10 feet below pavement subgrade. Abandonment Method Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.	Logged by J. Grimes Boring Started 06-20-2025 Boring Completed 06-20-2025
Notes		

Boring Log No. B-19

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8788° Longitude: -95.9867° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
		0.3											
		PAVEMENT , approximately 1 inch of asphaltic concrete over about 2 inches of crushed stone material SANDY LEAN CLAY (CL) , stiff, medium plasticity, gray and tan, moist, with sand seams and pockets				1.5 (HP)				14.1		26-15-11	63.9
						1.5 (HP)	UC	1.38	15	17.4	114		
		4.3											
		LEAN CLAY (CL) , very stiff, light gray and tan, moist, with sand pockets				4.0 (HP)							
						4.5 (HP)							
						4.5 (HP)							
		10.3											
		Boring Terminated at about 10 Feet											

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

See [Supporting Information](#) for explanation of symbols and abbreviations.

Water Level Observations
No free water observed.

Drill Rig
Truck

Driller
Herman Drilling

Notes

Advancement Method
Dry augered to 10 feet below pavement subgrade.

Logged by
J. Grimes

Abandonment Method
Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.

Boring Started
06-19-2025

Boring Completed
06-19-2025

Boring Log No. B-20

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8799° Longitude: -95.9858° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
		PAVEMENT , approximately 2 inches of asphaltic concrete over about 6 inches of crushed stone material 0.7											
		SILTY CLAY WITH SAND (CL-ML) , stiff to very stiff, slight plasticity, gray, moist 4.7				3.0 (HP)				13.8		20-15-5	71.6
		SANDY LEAN CLAY (CL) , very stiff, gray and tan, moist, with sand seams and pockets 4.7				3.0 (HP)	UC	1.49	8.1	18.0	112		
2			5			3.5 (HP)							
						3.5 (HP)							
			10			3.5 (HP)							
		Boring Terminated at about 11 Feet 10.7											

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
See [Supporting Information](#) for explanation of symbols and abbreviations.

Water Level Observations
No free water observed.

Drill Rig
Truck

Driller
Herman Drilling

Notes

Advancement Method
Dry augered to 10 feet below pavement subgrade.

Logged by
J. Grimes

Abandonment Method
Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.

Boring Started
06-20-2025

Boring Completed
06-20-2025

Boring Log No. B-21

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 29.8811° Longitude: -95.9850° Depth (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Strength Test			Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
							Test Type	Compressive Strength (tsf)	Strain (%)			LL-PL-PI	
		0.3											
		PAVEMENT , approximately 1 inch of asphaltic concrete over about 2 inches of crushed stone material											
		SANDY LEAN CLAY (CL) , stiff to very stiff, medium plasticity, gray and tan, moist, with sand seams and pockets				4.0 (HP)				14.0		30-15-15	66.0
						2.0 (HP)	UC	1.59	8.3	14.6	113		
			5			4.0 (HP)							
						2.5 (HP)							
						4.5 (HP)							
		10.3	10										
		Boring Terminated at about 10 Feet											

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

See [Supporting Information](#) for explanation of symbols and abbreviations.

Water Level Observations
No free water observed.

Drill Rig
Truck

Driller
Herman Drilling

Notes

Advancement Method
Dry augered to 10 feet below pavement subgrade.

Logged by
J. Grimes

Abandonment Method
Backfill borings with non-shrink cement bentonite grout and patched at the surface with cold-mix asphalt.

Boring Started
06-19-2025

Boring Completed
06-19-2025

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Report Number: 92255083.0001
Service Date: 07/07/25
Report Date: 07/07/25
Task: Lab

Terracon
11555 Clay Rd, Ste 100
Houston, TX 77043-1239
713-690-8989 Reg No: F-3272

Client

Trilogy Engineering Services LLC
Attn: Mohamed Sayed
238 Westcott St
Houston, TX 77007

Project

WC PCT3 - Adams Flat Road
Adams Flat Road
Brookshire, TX 77423

Project Number: 92255083

Material Information

Source of Material: -
Proposed Use: Proctor Testing

Sample Information

Sample Date: 06/20/25
Sampled By:
Sample Location: Composite Subgrade Sample B-1 to B 21 (0' 2')

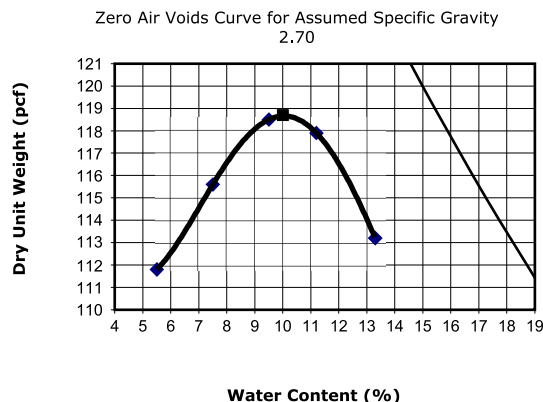
Sample Description: Gray and Tan, Silty Sand (SM)

Laboratory Test Data

Test Procedure: ASTM D698
Test Method: Method A
Sample Preparation: Wet
Rammer Type: Mechanical
Maximum Dry Unit Weight (pcf): 118.7
Optimum Water Content (%): 10.0

	Result	Specifications
Liquid Limit:	16	
Plastic Limit:	14	
Plasticity Index:	2	
In-Place Moisture (%):		

USCS: SM



Comments:

Services: Obtain sample at project site in accordance with Terracon QMS Procedure 2.2-1 and return it to the laboratory. Prepare and test the sample in accordance with test methods referenced on this report.

Terracon Rep.:

Reported To:

Contractor:

Report Distribution:

(1) Trilogy Engineering Services LLC,
sayedmi@trilogyengineers.com

Reviewed By:

Sean Barber
Lab Services Manager

Test Methods: ASTM D75, ASTM D698

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

California Bearing Ratio (CBR) Test

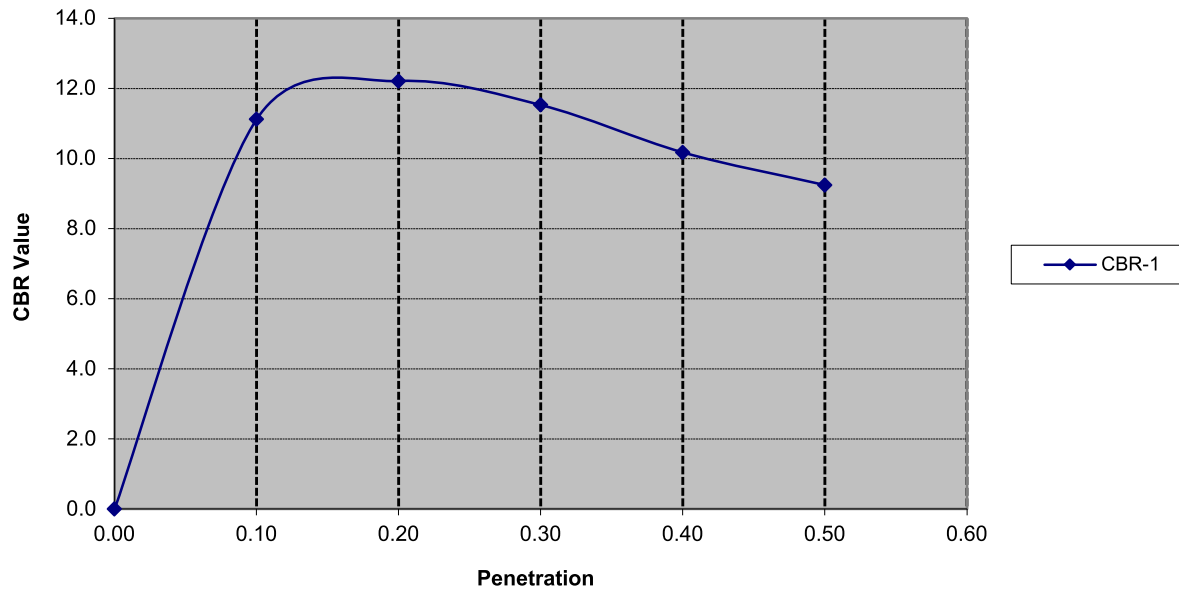
ASTM D 1883

Project: WC PCT3 - Adams Flat Road
 Location: B-1 to B-21, 0-2 ft.
 Client: Trilogy Engineering Services, LLC

Proj No.: 92255083
 Date: 7/24/2025
 Engineer: A. Javed

Sample Description: Gray and Tan, Silty Sand (SM)

Soaked



Sample No.		1	
Maximum Dry Density, (pcf)		118.7	
Optimum Moisture Content, (%)		10.0	
Dry Density before Soaking, (pcf)		114.9	
Degree of Compaction, (%)		96.8	
Dry Density after Soaking, (pcf)			
Moisture Content, (%)			
Before Compaction		9.7	
After Compaction		13.3	
Top 1" After Soaking		13.3	
Average After Soaking			
Surcharge, (lbs)		10	
Swell, (%)		0.2	
Bearing Ratio, (%)		11.1	

Supporting Information

Contents:

General Notes
Unified Soil Classification System
Engineering Calculations (2 pages)

Note: All attachments are one page unless noted above.

General Notes

Sampling	Water Level	Field Tests
 Auger Cuttings  Shelby Tube  Standard Penetration Test	 Water Initially Encountered  Water Level After a Specified Period of Time  Water Level After a Specified Period of Time  Cave In Encountered Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.	N Standard Penetration Test Resistance (Blows/Ft.) (HP) Hand Penetrometer (T) Torvane (DCP) Dynamic Cone Penetrometer UC Unconfined Compressive Strength (PID) Photo-Ionization Detector (OVA) Organic Vapor Analyzer

Descriptive Soil Classification

Soil classification as noted on the soil boring logs is based Unified Soil Classification System. Where sufficient laboratory data exist to classify the soils consistent with ASTM D2487 "Classification of Soils for Engineering Purposes" this procedure is used. ASTM D2488 "Description and Identification of Soils (Visual-Manual Procedure)" is also used to classify the soils, particularly where insufficient laboratory data exist to classify the soils in accordance with ASTM D2487. In addition to USCS classification, coarse grained soils are classified on the basis of their in-place relative density, and fine-grained soils are classified on the basis of their consistency. See "Strength Terms" table below for details. The ASTM standards noted above are for reference to methodology in general. In some cases, variations to methods are applied as a result of local practice or professional judgment.

Location And Elevation Notes

Exploration point locations as shown on the Exploration Plan and as noted on the soil boring logs in the form of Latitude and Longitude are approximate. See Exploration and Testing Procedures in the report for the methods used to locate the exploration points for this project. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

Strength Terms

Relative Density of Coarse-Grained Soils (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance		Consistency of Fine-Grained Soils (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance		
Relative Density	Standard Penetration or N-Value (Blows/Ft.)	Consistency	Unconfined Compressive Strength Qu (tsf)	Standard Penetration or N-Value (Blows/Ft.)
Very Loose	0 - 3	Very Soft	less than 0.25	0 - 1
Loose	4 - 9	Soft	0.25 to 0.50	2 - 4
Medium Dense	10 - 29	Firm	0.50 to 1.00	5 - 8
Dense	30 - 50	Stiff	1.00 to 2.00	9 - 15
Very Dense	> 50	Very Stiff	2.00 to 4.00	16 - 30
		Hard	> 4.00	> 30

Relevance of Exploration and Laboratory Test Results

Exploration/field results and/or laboratory test data contained within this document are intended for application to the project as described in this document. Use of such exploration/field results and/or laboratory test data should not be used independently of this document.

Unified Soil Classification System

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests ^A				Soil Classification	
				Group Symbol	Group Name ^B
Coarse-Grained Soils: More than 50% retained on No. 200 sieve	Gravels: More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels: Less than 5% fines ^C	Cu≥4 and 1≤Cc≤3 ^E	GW	Well-graded gravel ^F
			Cu<4 and/or [Cc<1 or Cc>3.0] ^E	GP	Poorly graded gravel ^F
		Gravels with Fines: More than 12% fines ^C	Fines classify as ML or MH	GM	Silty gravel ^{F, G, H}
			Fines classify as CL or CH	GC	Clayey gravel ^{F, G, H}
	Sands: 50% or more of coarse fraction passes No. 4 sieve	Clean Sands: Less than 5% fines ^D	Cu≥6 and 1≤Cc≤3 ^E	SW	Well-graded sand ^I
			Cu<6 and/or [Cc<1 or Cc>3.0] ^E	SP	Poorly graded sand ^I
		Sands with Fines: More than 12% fines ^D	Fines classify as ML or MH	SM	Silty sand ^{G, H, I}
			Fines classify as CL or CH	SC	Clayey sand ^{G, H, I}
Fine-Grained Soils: 50% or more passes the No. 200 sieve	Silts and Clays: Liquid limit less than 50	Inorganic:	PI > 7 and plots above “A” line ^J	CL	Lean clay ^{K, L, M}
			PI < 4 or plots below “A” line ^J	ML	Silt ^{K, L, M}
		Organic:	$\frac{LL\text{ oven dried}}{LL\text{ not dried}} < 0.75$	OL	Organic clay ^{K, L, M, N} Organic silt ^{K, L, M, O}
	Silts and Clays: Liquid limit 50 or more	Inorganic:	PI plots on or above “A” line	CH	Fat clay ^{K, L, M}
			PI plots below “A” line	MH	Elastic silt ^{K, L, M}
		Organic:	$\frac{LL\text{ oven dried}}{LL\text{ not dried}} < 0.75$	OH	Organic clay ^{K, L, M, P} Organic silt ^{K, L, M, Q}
Highly organic soils:	Primarily organic matter, dark in color, and organic odor			PT	Peat

- ^A Based on the material passing the 3-inch (75-mm) sieve.

^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^C Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^D Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay.

^E $Cu = D_{60}/D_{10}$ $Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$

^F If soil contains ≥ 15% sand, add "with sand" to group name.

^G If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.
- ^H If fines are organic, add "with organic fines" to group name.

^I If soil contains ≥ 15% gravel, add "with gravel" to group name.

^J If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

^K If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^L If soil contains ≥ 30% plus No. 200 predominantly sand, add "sandy" to group name.

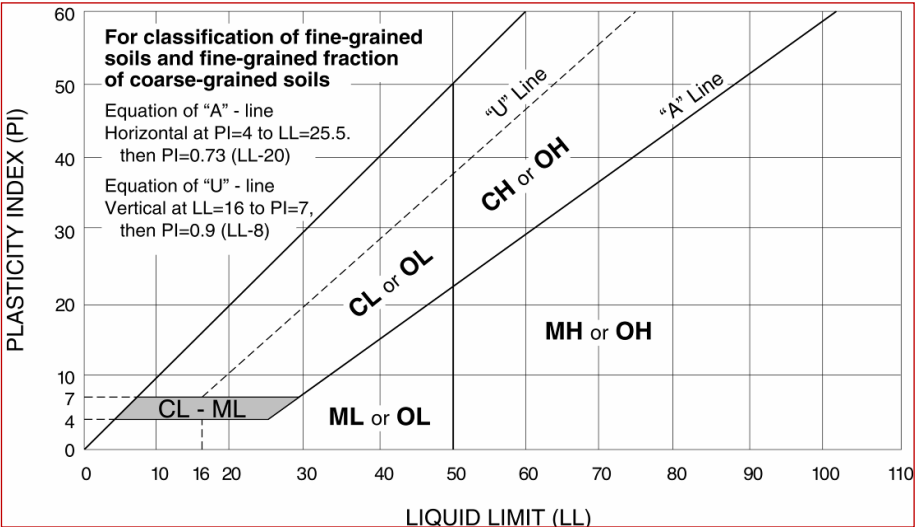
^M If soil contains ≥ 30% plus No. 200, predominantly gravel, add "gravelly" to group name.

^N PI ≥ 4 and plots on or above "A" line.

^O PI < 4 or plots below "A" line.

^P PI plots on or above "A" line.

^Q PI plots below "A" line.



Full-Depth Reconstruction - Minimum Waller County Pavement Section

Pavement Design (AASHTO 1993 Method)

Design Inputs

Sugrade Support	CBR =	5	
	Mr =	7500	psi
Reliability		95	%
Standard Deviation	So =	0.45	
Initial Serviceability	Po =	4.2	
Terminal Serviceability	Pt =	2.5	
Design Serviceability Loss,	Δ PSI =	1.7	

Layer Coefficients:

AC Surface and Binder	a ₁ =	0.44
Aggregate Base	a ₂ =	0.14
Subbase	a ₃ =	0.11

Asphalt Section Traffic (18 kip ESAL) = 1,200,000

Asphalt Pavement Section

	<u>Drainage, m</u>		
AC Surface + Binder		3.0	in.
Aggregate Base	1.25	8.0	in.
Subbase	1.25	8.0	in.

Structural Number: 3.82

Structural Number - Required 3.80

Project: WC PCT3 - Adams Flat Road

Location: Waller County, Texas

Project No. 92255083

Date: 07/23/25



Full-Depth Reconstruction - Calculated from AADT and Assumed 2% Growth Rate

Pavement Design

(AASHTO 1993 Method)

Design Inputs

Sugrade Support	CBR =	5	
	Mr =	7500	psi
Reliability		95	%
Standard Deviation	So =	0.45	
Initial Serviceability	Po =	4.2	
Terminal Serviceability	Pt =	2.5	
Design Serviceability Loss,	Δ PSI =	1.7	

Layer Coefficients:

AC Surface and Binder	a ₁ =	0.44
Aggregate Base	a ₂ =	0.14
Subbase	a ₃ =	0.11

Asphalt Section Traffic (18 kip ESAL) = 1,800,000

Asphalt Pavement Section

	<u>Drainage, m</u>		
AC Surface + Binder		3.0	in.
Aggregate Base	1.25	10.0	in.
Subbase	1.25	8.0	in.

Structural Number: 4.17

Structural Number - Required 4.06

Project: WC PCT3 - Adams Flat Road

Location: Waller County, Texas

Project No. 92255083

Date: 07/23/25



INDEX OF SHEETS

SHT NO.	DESCRIPTION
1	TITLE SHEET
2-3	GENERAL NOTES
4	ABBREVIATIONS & SYMBOLS
5	EXISTING & PROPOSED TYPICAL SECTIONS
6	PROJECT LAYOUT
7-12	SURVEY CONTROL
13	HORIZONTAL ALIGNMENT DATA
14-33	PLAN & PROFILE
34-50	CONSTRUCTION CROSS SECTIONS
51	DRIVEWAY SUMMARY
52-56	DRAINAGE AREA MAP AND HYDROLOGIC CALCULATIONS
57-61	CULVERT LAYOUT
62	CONSTRUCTION SEQUENCING AND GENERAL NOTES
63	TCP TYPICAL SECTIONS & BASE NARRATIVE
64-68	GENERAL CONSTRUCTION SEQUENCE - STEP 0
69-73	GENERAL CONSTRUCTION SEQUENCE - STEP 1
74-78	GENERAL CONSTRUCTION SEQUENCE - STEP 2
79	PHASE 1: ONE-LANE ONE-WAY OPERATION DETOUR
80-81	WORK ZONE SIGNAGE
82-91	SIGNING AND PAVEMENT MARKING PLAN
92-102	SW3P LAYOUT
103-128	STANDARD DETAILS
129-157	TOPOGRAPHIC MAPS

WALLER COUNTY ENGINEERING DEPARTMENT

ADAMS FLAT ROAD

PROJECT NO. 23301

PRECINCT 3

FULL DEPTH RECONSTRUCTION FOR THE LIMITS OF THE PROJECT

LIMITS: FM 359 TO WILSON ROAD

PROJECT LENGTH = 9,550 FT. = 1.80 MI.

DESIGN SPEED = 35 MPH

WALLER COUNTY
ROAD BOND '23

JOHN A. AMSLER

COMMISSIONER

PRECINCT 1

CARBETT J. DUHON III

COUNTY JUDGE

KENDRIC D. JONES

COMMISSIONER

PRECINCT 3

WALTER E. SMITH, P.E., RPLS

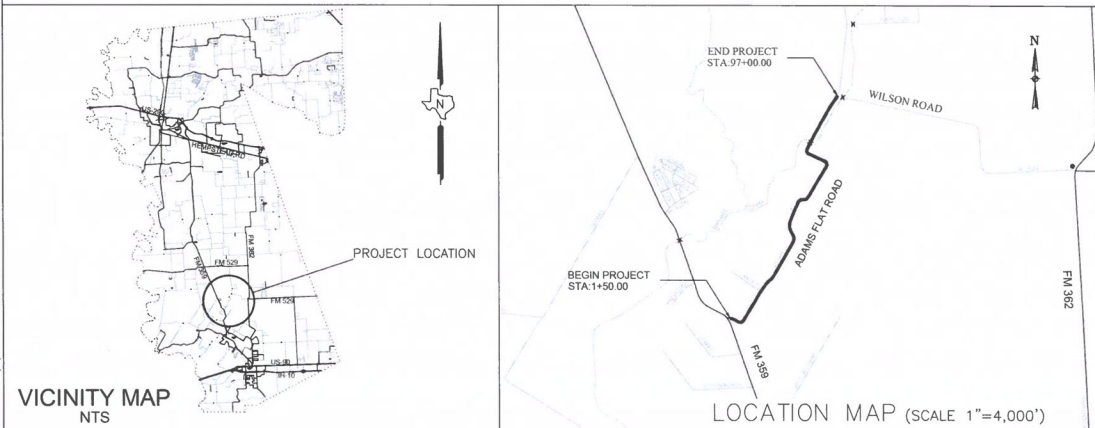
COMMISSIONER

PRECINCT 2

JUSTIN BECKENDORFF

COMMISSIONER

PRECINCT 4



MAY 2026

[Signature] 7-9-26
7 ROSS MEAL, P.E. DATE

100% SUBMITTAL



MOHAMED SAYED

DESIGN ENGINEER, P.E.

DATE

TRILOGY
ENGINEERING SERVICES

238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877-463.1699
TX FIRM NO: 17715

PLOT DATE: 6/3/2024 12:07 AM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WE P013\3-Final Design\3-Final Design\03_Sheets\General Notes.dwg

GENERAL NOTES

- 1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS BEFORE BEGINNING CONSTRUCTION.
- 2. NOTIFY THE COUNTY ENGINEER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED IN THE HORIZONTAL CONTROL OR BENCHMARK DATA.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SECURITY TO PROTECT THE PROJECT SITE, CONTRACTOR PROPERTY, EQUIPMENT, AND WORK.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING STREETS OF CONSTRUCTION DIRT AND DEBRIS AT CLOSE OF EACH WORK DAY.
- 5. THE CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY, UPON COMPLETION OF THE PROJECT SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING WORK.
- 6. PRIOR TO CONSTRUCTION, THE CONTRACTOR, ALONG WITH CONCURRENCE FROM THE ENGINEER, SHALL AGREE TO LAY-DOWN AND/OR STAGING AREA LOCATIONS.
- 7. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS A MINIMUM OF 24 HOURS PRIOR TO BLOCKING DRIVEWAYS OR ENTERING UTILITY EASEMENTS. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
- 8. TRAFFIC INGRESS AND EGRESS FOR DRIVEWAYS AND PEDESTRIAN ACCESS FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION WITH ALL WEATHER SURFACES.
- 9. THE CONTRACTOR SHALL REMOVE ANY FENCES, POSTS, MAILBOXES, PLANTERS, PERMANENT TRASH CONTAINERS, CULVERTS, ETC. OR SECTIONS THEREOF, THAT ENCROACH WITHIN THE COUNTY'S RIGHT-OF-WAY. MAILBOXES SHALL BE REPLACED IN ACCORDANCE WITH THE PLANS.
ANY DAMAGE CAUSED BY THE CONTRACTOR TO SUCH ITEMS LOCATED OUTSIDE OF THE COUNTY'S RIGHT-OF-WAY, SHALL BE REPLACED WITH LIKE-KIND OR BETTER AT THE CONTRACTOR'S EXPENSE. ALSO, IF THESE ITEMS ARE LOCATED WITHIN THE PROJECT RIGHT-OF-WAY AND ARE DESIGNATED TO REMAIN, ANY DAMAGE CAUSED BY THE CONTRACTOR TO SUCH ITEMS, SHALL BE REPLACED WITH LIKE-KIND OR BETTER AT THE CONTRACTOR'S EXPENSE.
TREES, BUSHES, SHRUBBERY AND OTHER DAMAGED PLANTINGS DESIGNATED TO REMAIN SHALL BE REPLACED WITHIN 72 HOURS OF REMOVAL AND ARE TO BE THOROUGHLY WATERED-IN. PAY IS SUBSIDIARY TO THE PROJECT.
- 10. PAVED SURFACES, PAVEMENT MARKERS AND MARKINGS SHALL BE PROTECTED FROM DAMAGE BY TRACKED EQUIPMENT.
- 11. IRON RODS DISTURBED DURING CONSTRUCTION ARE TO BE REPLACED BY A REGISTERED PROFESSIONAL LAND SURVEYOR FOR THE ORIGINAL PROPERTY OWNER. COST IS SUBSIDIARY TO THE PROJECT.
- 12. CONSTRUCTION STAKING WILL BE PROVIDED BY THE CONTRACTOR. TWO COPIES OF STAKING NOTES TO BE PROVIDED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- 13. THE CONTRACTOR SHALL MAINTAIN UPDATED RED-LINED RECORD DRAWINGS ON SITE FOR INSPECTION BY THE ENGINEER. RECORD DRAWING SHALL BE SUBMITTED AT COMPLETION OF THE PROJECT.
- 14. MOWING, MAINTENANCE, AND CLEAN-UP IS REQUIRED FOR THE PROJECT LIMITS AND DURATION, REGARDLESS OF THE CONTRACTOR'S SCOPE OF ACTIVITIES WITHIN THE PROJECT LIMITS.
- 15. THE REMOVAL OF ANY ABANDONED UTILITIES REQUIRED TO COMPLETE THE WORK SHALL BE INCIDENTAL AND COST SHALL BE SUBSIDIARY TO THE PROJECT.
- 16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STOCKPILE NECESSARY MATERIAL ON-SITE OR AT A SECURED OFF-SITE LOCATION AT NO ADDITIONAL EXPENSE TO WALLER COUNTY. ANY SUITABLE EXCAVATED MATERIAL ON THE PROJECT WHICH IS AVAILABLE AT THE TIME OF NEED; WHETHER FROM STORM SEWER, ROADWAY, AND/OR CHANNEL EXCAVATION, SHALL BE USED BEFORE BORROW IS BROUGHT ON-SITE. MILLINGS COLLECTED FROM PROJECT SITE ARE TO BE TRANSPORTED AND DEPOSITED AT THE LOCATION
-----Neiman Road and Klaus Road-----.

- 17. MANHOLES, JUNCTION BOXES, INLETS, AND RISERS ARE TO BE PRE-CAST OR CAST IN PLACE.
- 18. POP UP DRAINS ARE NOT ALLOWED IN WALLER COUNTY RIGHT OF WAY.
- 19. CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITY COMPANIES IN ORDER TO PREVENT DAMAGE TO PIPELINES FROM CONSTRUCTION EQUIPMENT.
- 20. BIDDERS ARE REQUESTED TO VISIT THE VICINITY OF THE PROJECT SITE AND EVALUATE THE EXISTING SITE CONDITIONS.
- 21. IN THOSE INSTANCES WHERE FIXED FEATURES REQUIRE, THE GOVERNING SLOPES INDICATED HEREIN MAY BE VARIED BETWEEN THE LIMITS SHOWN AND TO THE EXTENT DETERMINED BY THE ENGINEER.
- 22. CONTRACTOR SHALL ESTABLISH GRADE STREET INTERSECTIONS AND MEDIAN OPENINGS FOR ADEQUATE SURFACE DRAINAGE.
- 23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING STATIONS EVERY 100 FEET AND SHALL MAINTAIN THE MARKINGS FOR THE DURATION OF THE PROJECT.
- 24. THE APPROXIMATE LOCATIONS OF KNOWN UNDERGROUND UTILITIES HAVE BEEN SHOWN ON THE PLAN SHEETS. PRIOR TO BEGINNING ANY EXCAVATION WORK IN THE AREA OF EXISTING UTILITIES, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES OR THE UTILITY COORDINATING COMMITTEE FOR EXACT LOCATIONS TO PREVENT ANY DAMAGE OR INTERFERENCE WITH PRESENT FACILITIES. THE UTILITY COORDINATING COMMITTEE AND THE TEXAS ONE CALL SYSTEM SHALL BE NOTIFIED AT THE FOLLOWING NUMBER: OUTSIDE HMA, TOLL FREE 1-800-245-4545
THIS ACTION, HOWEVER, SHALL IN NO WAY BE INTERPRETED AS RELIEVING THE CONTRACTOR OF THEIR RESPONSIBILITIES UNDER THE TERMS OF THE CONTRACT AS SET OUT IN THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY THEIR OPERATIONS AT THE CONTRACTOR'S EXPENSE AND SHALL RESTORE FACILITIES TO SERVICE IN A TIMELY MANNER.
IF ANY OVERHEAD OR UNDERGROUND POWER LINES NEED TO BE DE-ENERGIZED, THE CONTRACTOR SHALL CALL THE POWER COMPANY TO DO THIS WORK. ANY COST ASSOCIATED WITH DE-ENERGIZING THE POWER LINE AND/OR ANY OTHER PROTECTIVE MEASURES REQUIRED SHALL BE AT THE CONTRACTOR'S EXPENSE.
WHEN THE CONTRACTOR IS WORKING NEAR ANY POWER LINES, IT IS THEIR RESPONSIBILITY TO COMPLY WITH THE APPROPRIATE SECTIONS OF TEXAS STATE LAW AND FEDERAL REGULATIONS RELATING TO THE TYPE OF WORK INVOLVED.
DO NOT MIX OR STORE MATERIALS, OR STORE OR REPAIR EQUIPMENT, ON BRIDGE DECKS UNLESS AUTHORIZED BY THE COUNTY ENGINEER.
- 25. PERSONAL VEHICLES OF EMPLOYEES ARE NOT PERMITTED TO PARK WITHIN THE RIGHT OF WAY. EMPLOYEES MAY PARK AT THE CONTRACTOR'S OFFICE, EQUIPMENT, AND MATERIALS STORAGE YARD SITES.
- 26. CONTRACTOR SHALL ASSUME OWNERSHIP OF DEBRIS AND DISPOSE OF AT APPROVED LOCATION. DO NOT DISPOSE OF DEBRIS ON PRIVATE PROPERTY UNLESS APPROVED IN WRITING BY COUNTY ENGINEER.
- 27. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS AT LOCATIONS WHERE A PROPOSED TO EXISTING TIE-IN IS LOCATED. LIMITS OF WORK MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER IN ORDER TO MATCH EXISTING ROADWAY ELEVATIONS, EXISTING CHANNEL BANKS AND OUTFALLS.
- 28. CONTRACTOR SHALL SEQUENCE WORK TO MINIMIZE IMPACTS TO THE TRAVELLING PUBLIC AND ADJACENT PROPERTY OWNERS.
- 29. SCHEDULE WORK SO THAT IT LIMITS IMPACTS TO THE PUBLIC AND ADJACENT PROPERTY OWNERS.
IF THE CONTRACTOR DAMAGES OR CAUSE DAMAGE (BREAKS, LEAKS, NICKS, DENTS, GOUGES, ETC.) TO THE UTILITY, CONTACT THE UTILITY FACILITY OWNER OR OPERATOR IMMEDIATELY.
NOTIFY THE ENGINEER AT LEAST 48 HOURS BEFORE CONSTRUCTING JUNCTION BOXES AT STORM DRAIN AND UTILITY INTERSECTIONS.

- INSTALL OR REMOVE POLES AND LUMINAIRES LOCATED NEAR OVERHEAD OR UNDERGROUND ELECTRICAL LINES USING ESTABLISHED INDUSTRY AND UTILITY SAFETY PRACTICES. CONSULT THE APPROPRIATE UTILITY COMPANY BEFORE BEGINNING SUCH WORK.
- IF OVERHEAD OR UNDERGROUND POWER LINES NEED TO BE DE-ENERGIZED, CONTACT THE ELECTRICAL SERVICE PROVIDER TO PERFORM THIS WORK. COSTS ASSOCIATED WITH DE-ENERGIZING THE POWER LINES OR OTHER PROTECTIVE MEASURES REQUIRED ARE AT NO EXPENSE TO THE COUNTY.
- IF WORKING NEAR POWER LINES, COMPLY WITH THE APPROPRIATE SECTIONS OF TEXAS STATE LAW AND FEDERAL REGULATIONS RELATING TO THE TYPE OF WORK INVOLVED.
- PERFORM ELECTRICAL WORK IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND STANDARD SHEETS.
- 30. BEFORE COMMENCING CONSTRUCTION, PREPARE AND SUBMIT A SCHEDULE BASED ON THE SEQUENCE OF WORK AND TRAFFIC CONTROL PLAN SHOWN IN THE CONTRACT. INCLUDE ALL PLANNED WORK ACTIVITIES AND SEQUENCES AND SHOW COMPLETION WITHIN THE NUMBER OF CALENDAR DAYS SPECIFIED. INCORPORATE MAJOR MATERIAL PROCUREMENTS, KNOWN UTILITY RELOCATIONS, AND OTHER ACTIVITIES THAT MAY AFFECT THE COMPLETION OF THE CONTRACT IN THE SCHEDULE. INCLUDE ALL MILESTONES INCLUDING BEGINNING DATE, ENDING DATE, AND DURATION IN NUMBER OF CALENDAR DAYS FOR EACH ACTIVITY. DO NOT USE ACTIVITIES EXCEEDING 30 CALENDAR DAYS, EXCEPT FOR AGREED UPON ACTIVITIES. SHOW AN ESTIMATED PRODUCTION RATE PER CALENDAR DAY FOR EACH WORK ACTIVITY. SUBMIT AN UPDATED PROGRESS SCHEDULE MONTHLY, UNLESS OTHERWISE SHOWN IN THE CONTRACT OR AS DIRECTED. UPDATE THE PROGRESS SCHEDULE BY ADDING ACTUAL PROGRESS MADE DURING THE PREVIOUS UPDATE PERIOD, INCLUDING APPROVED CHANGES TO THE SEQUENCE OF WORK AND THE TRAFFIC CONTROL PLAN. IF AN UPDATED PROGRESS SCHEDULE INDICATES THE CONTRACT WILL NOT BE COMPLETED WITHIN THE NUMBER OF CALENDAR DAYS SPECIFIED, NOTIFY THE ENGINEER IN WRITING WHETHER THE CONTRACTOR WILL REVISE THE PROGRESS SCHEDULE TO MEET THE NUMBER OF CALENDAR DAYS SPECIFIED OR EXCEED THE NUMBER OF CALENDAR DAYS SPECIFIED. NO DIRECT COMPENSATION WILL BE MADE FOR FULFILLING THESE REQUIREMENTS, AS THIS WORK IS CONSIDERED SUBSIDIARY TO THE ITEMS OF THE CONTRACT.
CALENDAR DAYS WILL BE CHARGED SUNDAY THROUGH SATURDAY, INCLUDING ALL HOLIDAYS, REGARDLESS OF WEATHER CONDITIONS, MATERIAL AVAILABILITY, OR OTHER CONDITIONS NOT UNDER THE CONTROL OF THE CONTRACTOR. WORK DAYS EQUAL CALENDAR DAYS.
 - 31. ANY GROUNDWATER ELEVATION INFORMATION PROVIDED IS REPRESENTATIVE OF CONDITIONS EXISTING ON THE DAY WHEN AND FOR THE SPECIFIC LOCATION WHERE THIS INFORMATION WAS COLLECTED. THE ACTUAL GROUNDWATER ELEVATION MAY FLUCTUATE WITH TIME, CLIMATIC CONDITIONS, AND CONSTRUCTION ACTIVITY.
 - 32. UTILITY CONTRACTORS MAY BE RELOCATING UTILITY LINES IN TEMPORARY LOCATIONS AND PERMANENT LOCATIONS IN CONJUNCTION WITH PHASED CONSTRUCTION. THE CONTRACTOR WILL PROVIDE AND COORDINATE ACCESS FOR THE VARIOUS UTILITY CONTRACTOR'S CREWS THROUGHOUT THE DURATION OF THE PROJECT.
 - 33. MAINTAIN THE ROADWAY SLOPE STABILITY. MAINTAINING SLOPE STABILITY IS SUBSIDIARY TO THE VARIOUS BID ITEMS.

100% SUBMITTAL



6/4/2026

REV. NO.	DATE	DESCRIPTION	BY

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION NOTES (1 OF 2)

DN:	CONT	SECT	JOB	ROAD
CK DN:			23301	ADAMS FLAT
DW:	DIST		COUNTY	SHEET NO.
CK DW:			WALLER	2

CONSTRUCTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FROM WALLER COUNTY PRIOR TO COMMENCING CONSTRUCTION OF ANY IMPROVEMENTS WITHIN COUNTY ROAD RIGHTS OF WAY. THE ATTENTION OF PROSPECTIVE BIDDERS IS DIRECTED TO ORDINANCES AND REGULATIONS OF LOCAL MUNICIPAL AND COUNTY GOVERNMENTS AND THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WHICH MAY BE APPLICABLE ON THIS PROJECT.
2. ALL PAVING IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH "WALLER COUNTY SUBDIVISION & DEVELOPMENT REGULATIONS" RELATING TO THE APPROVAL AND ACCEPTANCE OF IMPROVEMENTS IN SUBDIVISIONS AS CURRENTLY AMENDED.
3. ALL WEATHER ACCESS TO EXISTING STREETS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
4. GUIDELINES ARE SET FORTH IN THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AS CURRENTLY AMENDED, SHALL BE OBSERVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FLAGMEN, SIGNING, STRIPING, AND WARNING DEVICES, ETC., DURING CONSTRUCTION - BOTH DAY AND NIGHT.
5. ALL R1-1 STOP SIGNS SHALL BE A MINIMUM OF 36"x36" WITH DIAMOND GRADE SHEETING PER "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
6. SIGN POSTS AND SIGNS ARE TO BE INSTALLED PER WALLER COUNTY APPROVED SIGNAGE DESIGN DRAWINGS.
7. STREET NAME SIGNAGE SHALL BE ON A 9" HIGH SIGN FLAT BLADE W/ REFLECTIVE GREEN BACKGROUND. STREET NAMES SHALL BE UPPER AND LOWERCASE LETTERING WITH UPPERCASE LETTERS OF 6" MINIMUM AND LOWERCASE LETTERS OF 4.5" MINIMUM. THE LETTERS SHALL BE REFLECTIVE WHITE. STREET NAME SIGNS SHALL BE MOUNTED ON STOP SIGN POST.
8. THE PROJECT AND ALL PARTS THEREOF SHALL BE SUBJECT TO INSPECTION FROM TIME TO TIME BY INSPECTORS DESIGNATED BY WALLER COUNTY. NO SUCH INSPECTIONS SHALL RELIEVE THE CONTRACTOR OF ANY OF ITS OBLIGATIONS HEREUNDER. NEITHER FAILURE TO INSPECT NOR FAILURE TO DISCOVER OR REJECT ANY OF THE WORK AS NOT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. REQUIREMENTS AND SPECIFICATIONS OF WALLER COUNTY OR ANY PROVISION OF THIS PROJECT SHALL BE CONSTRUED TO IMPLY AN ACCEPTANCE OF SUCH WORK OR TO RELIEVE THE CONTRACTOR OF ANY OF ITS OBLIGATIONS HEREUNDER.
9. STABILIZED SUBGRADE: DETERMINE THE THICKNESS OF THE STABILIZED SUBGRADE AFTER CURING AND COMPACTION. IF THE SUBGRADE DEPTH IS GREATER THAN THE PROPOSED THICKNESS BY 20% OR MORE, THE CMT LAB MUST PROVIDE VERIFICATION THE PERCENTAGE OF MATERIAL BEING USED TO STABILIZE THE SUBGRADE MEETS OR EXCEEDS PROJECT REQUIREMENTS. TEST RESULTS REQUIRED.

UTILITIES NOTESAspen Midstream (Gas)

ASPEN MIDSTREAM REQUIRES A ONE CALL TICKET BE CREATED WITH TEXAS 811 PRIOR TO ANY WORK IN ASPEN ROW AND AN ASPEN MIDSTREAM REPRESENTATIVE BE ONSITE FOR ANY ACTIVITY TAKING PLACE WITHIN THAT ROW.

San Bernard Electric Cooperative (SBECC)

SBECC HAS FACILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL CONTACT SBECC PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF THEIR FACILITIES. NO WORK THAT MAY IMPACT SBECC FACILITIES SHALL BEGIN WITHOUT COORDINATION AND APPROVAL. DAMAGE TO SBECC FACILITIES CAUSED BY CONTRACTOR OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE..

San Bernard Electric Cooperative (SBECC)

1. THE LOCATIONS OF AT&T TEXAS/SWBT FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL CALL 1-800-344-8377 (TEXAS 811) A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.
3. WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF AT&T TEXAS/SWBT FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN BORING, THE CONTRACTOR SHALL EXPOSE THE AT&T TEXAS/SWBT FACILITIES.
4. WHEN AT&T TEXAS/SWBT FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.
5. THE PRESENCE OR ABSENCE OF AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES OR BURIED CABLE FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURIED CABLES OR OTHER CABLES IN CONDUIT IN THE AREA.
6. PLEASE CONTACT THE AT&T TEXAS DAMAGE PREVENTION MANAGER KEVIN RAY AT (713) 614-1983 OR E-MAIL HIM AT KR7896@ATT.COM IF CABLE LOCATE REQUESTS ARE NOT COMPLETED FOR OUR AT&T TEXAS/SWBT FACILITIES.

TRAFFIC CONTROL PLAN NOTES

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE APPROVED TRAFFIC CONTROL PLAN.
2. UNIFORMED PEACE OFFICERS OR FLAGGERS IN RADIO CONTACT ARE REQUIRED TO DIRECT TRAFFIC DURING LANE CLOSURES AS INDICATED ON THE PLANS.
3. DETOURS REQUIRE PRIOR APPROVAL OF THE ENGINEER. DETOUR PLANS, IF ALLOWED, MUST INCLUDE APPROPRIATE DETOUR SIGNAGE, PUBLIC NOTICE VIA SIGNAGE TWO WEEKS IN ADVANCE STATING THE DATES OF THE AGREED UPON DATE OF CLOSURE AND DATE THE ROAD WILL RE-OPEN TO TRAFFIC. CONTRACTOR TO USE (WITH PRIOR APPROVAL OF THE ENGINEER) VARIOUS CONSTRUCTION METHODS TO MINIMIZE THE DURATION OF THE DETOUR AND TO ENSURE THAT THE ROADWAY IS OPEN ON, OR PRIOR TO, THE AGREED UPON DATE.
4. ONE DAY PRIOR TO THE IMPLEMENTATION OF A TRAFFIC CONTROL PLAN PHASE OR STEP, OR THE IMPLEMENTATION OF AN ADDITIONAL, REVISED, OR NEW TRAFFIC CONTROL ELEMENT, THE CONTRACTOR SHALL MEET WITH THE ENGINEER TO GIVE A DETAILED DESCRIPTION OF THE CONTRACTOR'S PLAN AND PREPARATIONS. THE CONTRACTOR SHALL OBTAIN WRITTEN CONCURRENCE FROM THE ENGINEER THAT ADEQUATE PROJECT PROGRESS HAS BEEN ACHIEVED AND THAT ADEQUATE PREPARATIONS ARE IN PLACE PRIOR TO SWITCHING TRAFFIC. IF, IN THE OPINION OF THE ENGINEER, REQUIRED PROGRESS AND ADEQUATE PREPARATIONS ARE NOT COMPLETE, THE CONTRACTOR SHALL NOT IMPLEMENT THE NEXT PHASE, STEP, OR ELEMENT OF TRAFFIC CONTROL UNTIL INCOMPLETE CONSTRUCTION ITEMS OR PREPARATIONS ARE COMPLETED. TIME EXTENSIONS WILL NOT BE GRANTED FOR DELAYS CAUSED BY THE INCOMPLETE CONSTRUCTION ITEMS OR INADEQUATE CONTRACTOR PREPARATIONS REQUIRED TO IMPLEMENT TRAFFIC CONTROL.
5. TRAFFIC CONTROL PER THE CONTRACT IS REQUIRED FOR THE ENTIRE DURATION OF THE PROJECT, INCLUDING THE PUNCHLIST PERIOD. PAYMENT FOR TRAFFIC CONTROL THAT IS PROPERLY INSTALLED FOR LESS THAN A FULL MONTH SHALL BE BASED ON A PERCENTAGE BASIS OF THE TIME INSTALLED. TRAFFIC CONTROL PAYMENTS TO THE CONTRACTOR SHALL END 10 DAYS AFTER SUBSTANTIAL COMPLETION, ALTHOUGH PROPER TRAFFIC CONTROL MUST BE MAINTAINED UNTIL PUNCHLIST COMPLETION.
6. THE PURPOSE OF THE CONSTRUCTION SEQUENCE AND TRAFFIC HANDLING OUTLINED HEREIN IS TO DOCUMENT A VIABLE TCP THAT CAN BE UTILIZED TO CONSTRUCT THE PROJECT. IT IS THE BASIS OF ESTIMATION FOR THE TRAFFIC CONTROL BID ITEMS, AND IS TO BE UTILIZED AND IMPLEMENTED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT TCP, THE ALTERNATIVE TCP SHALL BE SUBMITTED TO THE COUNTY FOR APPROVAL NO LESS THAN 10 WORKING DAYS PRIOR TO THE PROPOSED IMPLEMENTATION DATE. THE TCP SHALL BE DRAWN TO SCALE AND SIGNED & SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS. UPON APPROVAL BY WALLER COUNTY, THE ALTERNATIVE PLAN SHALL BECOME THE BASIS FOR A "CHANGE IN CONTRACT" TO REVISE THE TRAFFIC CONTROL BID ITEMS ACCORDINGLY AND BECOME PART OF THE CONTRACT DOCUMENTS.
7. ALL TEMPORARY PAVEMENT MARKINGS ON PERMANENT PAVEMENT SHOULD BE TABS.
8. TRAFFIC PATTERN CHANGES REQUIRE CHANGEABLE MESSAGE BOARDS PLACED AT LEAST 2 WEEKS IN ADVANCE OF PROPOSED CHANGE. QUANTITY, PLACEMENT AND WORDING TBD BY WALLER COUNTY.

Utility	Utility type	Utility Contact	Phone	Email	Address
San Bernard Electric	Electric	David Mazac	(979) 413-7727	dmazac@sbec.org	309 West Main, Bellville, TX 77418
Aspen Midstream	Pipeline	Whittneben	(979) 249-6854	chad.wittneben@aspenmidstream.com	10356 Old Mill Creek Rd. Brenham, TX 77833
Energy Transfer (ETC)	Pipeline	Bachir Jirari	(713) 989-7916	encroachment@energytransfer.com	1300 Main St. Houston, TX 77002
AT&T	Communications	Marlon Smither	(281) 216-3607	ms7279@att.com	-
Consolidated	Communications	Ryan Johnston	(281) 396-5073	ryan.johnston@tdium.com	-
Pattison WSC	Water		(281) 394-2475	pattisonwatersupply@gmail.com	3608 Avenue E, Pattison, TX 77466

100% SUBMITTAL

5/30/2026

REV. NO.	DATE	DESCRIPTION	BY

WALLER COUNTY
ENGINEERING DEPARTMENT



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION NOTES (2 OF 2)

DN:	CONT	SECT	JOB	ROAD
CK DN:			23301	ADAMS FLAT
DW:	DIST		COUNTY	SHEET NO.
CK DW:			WALLER	3

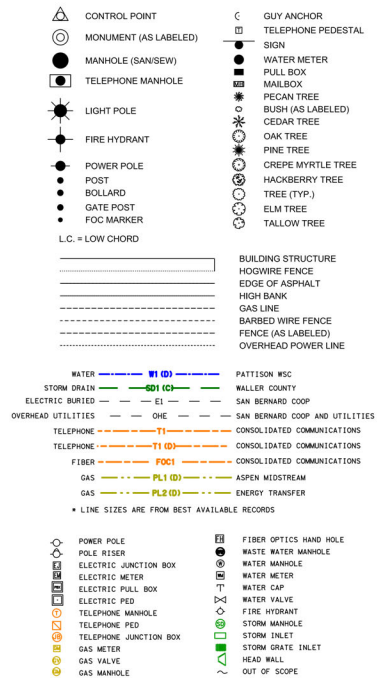
ABBREVIATIONS:

&	AND	PC	POINT OF CURVE
⊙	AT	PCC	POINT OF COMPOUND CURVATURE
ALL	BELL	PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
AC	ACRE / ASBESTOS CEMENT	PERM	PERMANENT
A/VR	AIR INLET / VACUUM RELIEF	PGL	PROFILE GRADE LINE
APPROX	APPROXIMATELY	PI	POINT OF INTERSECTION
ASPH	ASPHALT	PL	PROPERTY LINE
AVE	AVENUE	PMT	POINT
		PPCA	POTENTIALLY PETROLEUM CONTAMINATED AREA
B/B	BASELINE	PRC	POINT OF REVERSE
BC	BACK TO BACK	PROP	PROPOSED
BFV	BACK OF CURB	PSI	POUND PER SQUARE INCH
BL	BUTTERFLY VALVE	PT	POINT OF TANGENCY
BLDG	BUILDING LINE	PVC	POLYVINYL CHLORIDE PIPE / POINT OF VERTICAL CURVATURE
BLVD	BULEVARD	PVMT	PAVEMENT
		PVI	POINT OF VERTICAL INTERSECTION
C	CENTER LINE	PVT	POINT OF VERTICAL TANGENCY
C/C	CENTER TO CENTER		
CGMP	CORRUGATED GALVANIZED METAL PIPE	(R)	RECORD DRAWING
CMP	CORRUGATED METAL PIPE	R	RADIUS
CIP	CAST IRON PIPE	RCB	REINFORCED CONCRETE BOX
CLR	CLEARANCE	RCP	REINFORCED CONCRETE PIPE
CO	CLEAN OUT	RD	ROAD
COH	CITY OF HOUSTON	REIN	REINFORCED
CONC	CONCRETE	REM	REMOVABLE
CONSTR	CONSTRUCTION	RJ	RESTRAINED JOINT
CPEE	CENTERPOINT ENERGY ELECTRIC	ROW	RIGHT OF WAY
CPEG	CENTERPOINT ENERGY GAS	RR	RAILROAD
		RRPM	REFLECTIVE REMOVABLE PAVEMENT MARKERS
DIA	DIAMETER	RT	RIGHT
DIP	DUCTILE IRON PIPE		
DR	DRAWING	S	SOUTH
DWG	DRIVEWAY	SAN	SANITARY
DWY		SCHED	SCHEDULE
E	EAST	SF	SQUARE FEET
EL	ELEVATION	SHT	SHEET
EP	EDGE OF PAVEMENT	SSE	SANITARY SEWER EASEMENT
E/R	END OF RADIUS	ST	STREET
ESMT	EASEMENT	STA	STATION
EXST	EXISTING	STD	STANDARD
FC	FACE OF CURB	STL	STEEL
F/F	FACE TO FACE	STM	STORM
FH	FIRE HYDRANT	SWBT	SOUTHWESTERN BELL TELEPHONE
FL	FLOW LINE	SWR	SEWER
FM	FORCE MAIN	SY	SQUARE YARD
FT	FEET		
		TAN	TANGENT
GPS	GLOBAL POSITIONING SYSTEM	TBM	TEMPORARY BENCHMARK
GV	GATE VALVE	TEMP	TEMPORARY
GV&B	GATE VALVE AND BOX	TOB	TOP OF BANK
HC&D	HARRIS COUNTY FLOOD CONTROL DISTRICT	TOC	TOP OF CURB
HDPE	HIGH-DENSITY POLYETHYLENE	TOP	TOP OF PAVEMENT
HGL	HYDRAULIC GRADE LINE	TOS	TOP OF STACK
HP	HIGH PRESSURE	TS&V	TAPPING SLEEVE AND VALVE
		TXDOT	TEXAS DEPARTMENT OF TRANSPORTATION
INV EL	INVERT ELEVATION	TYP	TYPICAL
IP	INTERMEDIATE PRESSURE	UE	UTILITY EASEMENT
IR	IRON ROD	UGND	UNDERGROUND
		VC	VERTICAL CURVE
		VPI	VERTICAL POINT OF INTERSECTION
J-BOX	JUNCTION BOX	W	WEST
JT	JOINT	W/	WITH
JUNCT	JUNCTION	WL	WATER LINE
		WLE	WATER LINE EASEMENT
		WM	WATER METER
		WP	WOOD POLE
LF	LINEAR FEET	WSEL	WATER SURFACE ELEVATION
LN	LINE	WV	WATER VALVE
LFT	LOW POINT	WWTP	WASTE WATER TREATMENT PLANT
LT	LEFT		
LS	LIFT STATION		
MAX	MAXIMUM		
MBGF	METAL BEAM GUARD FENCE		
METRO	METROPOLITAN TRANSIT AUTHORITY		
MH	MANHOLE		
MIN	MINIMUM		
MON	MONUMENT		
N	NORTH		
NA	NOT APPLICABLE		
NAVD	NORTH AMERICAN VERTICAL DATUM		
NG	NATURAL GROUND		
NO	NUMBER		
NTS	NOT TO SCALE		
OCC	ZERO CURB CUT		
OS	OFFSET		
OH	OVERHEAD		

ABBREVIATIONS:

PC	POINT OF CURVE	WT (D)	WATER
PCC	POINT OF COMPOUND CURVATURE	SDI (C)	STORM DRAIN
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE	EL	ELECTRIC BURIED
PERM	PERMANENT	OHE	OVERHEAD UTILITIES
PGL	PROFILE GRADE LINE	TI	TELEPHONE
PI	POINT OF INTERSECTION	FOG1	FIBER
PL	PROPERTY LINE	PL1 (D)	GAS
PMT	POINT	PL2 (D)	GAS
PPCA	POTENTIALLY PETROLEUM CONTAMINATED AREA		
PRC	POINT OF REVERSE		
PROP	PROPOSED		
PSI	POUND PER SQUARE INCH		
PT	POINT OF TANGENCY		
PVC	POLYVINYL CHLORIDE PIPE / POINT OF VERTICAL CURVATURE		
PVMT	PAVEMENT		
PVI	POINT OF VERTICAL INTERSECTION		
PVT	POINT OF VERTICAL TANGENCY		
(R)	RECORD DRAWING		
R	RADIUS		
RCB	REINFORCED CONCRETE BOX		
RCP	REINFORCED CONCRETE PIPE		
RD	ROAD		
REIN	REINFORCED		
REM	REMOVABLE		
RJ	RESTRAINED JOINT		
ROW	RIGHT OF WAY		
RR	RAILROAD		
RRPM	REFLECTIVE REMOVABLE PAVEMENT MARKERS		
RT	RIGHT		
S	SOUTH		
SAN	SANITARY		
SCHED	SCHEDULE		
SF	SQUARE FEET		
SHT	SHEET		
SSE	SANITARY SEWER EASEMENT		
ST	STREET		
STA	STATION		
STD	STANDARD		
STL	STEEL		
STM	STORM		
SWBT	SOUTHWESTERN BELL TELEPHONE		
SWR	SEWER		
SY	SQUARE YARD		
TAN	TANGENT		
TBM	TEMPORARY BENCHMARK		
TEMP	TEMPORARY		
TOB	TOP OF BANK		
TOC	TOP OF CURB		
TOP	TOP OF PAVEMENT		
TOS	TOP OF STACK		
TS&V	TAPPING SLEEVE AND VALVE		
TXDOT	TEXAS DEPARTMENT OF TRANSPORTATION		
TYP	TYPICAL		
UE	UTILITY EASEMENT		
UGND	UNDERGROUND		
VC	VERTICAL CURVE		
VPI	VERTICAL POINT OF INTERSECTION		
W	WEST		
W/	WITH		
WL	WATER LINE		
WLE	WATER LINE EASEMENT		
WM	WATER METER		
WP	WOOD POLE		
WSEL	WATER SURFACE ELEVATION		
WV	WATER VALVE		
WWTP	WASTE WATER TREATMENT PLANT		

EXISTING PLAN VIEW

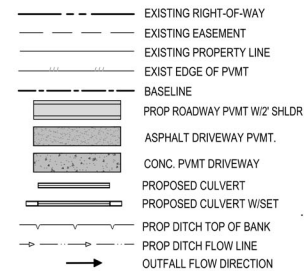


QUALITY LEVEL LEGEND

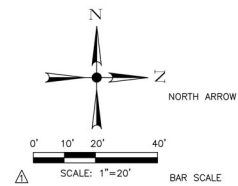
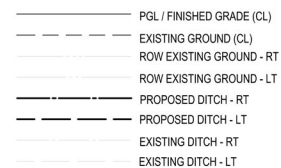
— WWS	— QUALITY LEVEL "B"
— WWS (C)	— QUALITY LEVEL "C"
— WWS (D)	— QUALITY LEVEL "D"

TYPICAL FOR ALL UTILITIES

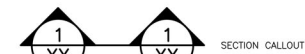
PROPOSED PLAN VIEW



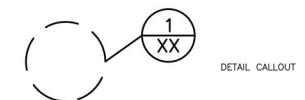
PROPOSED PROFILE VIEW

VIEW TITLE
SCALE: 1:1

DETAIL/SECTION TITLE



SECTION CALLOUT



DETAIL CALLOUT

100% SUBMITTAL



5/30/2026

WALLER COUNTY
ENGINEERING DEPARTMENT

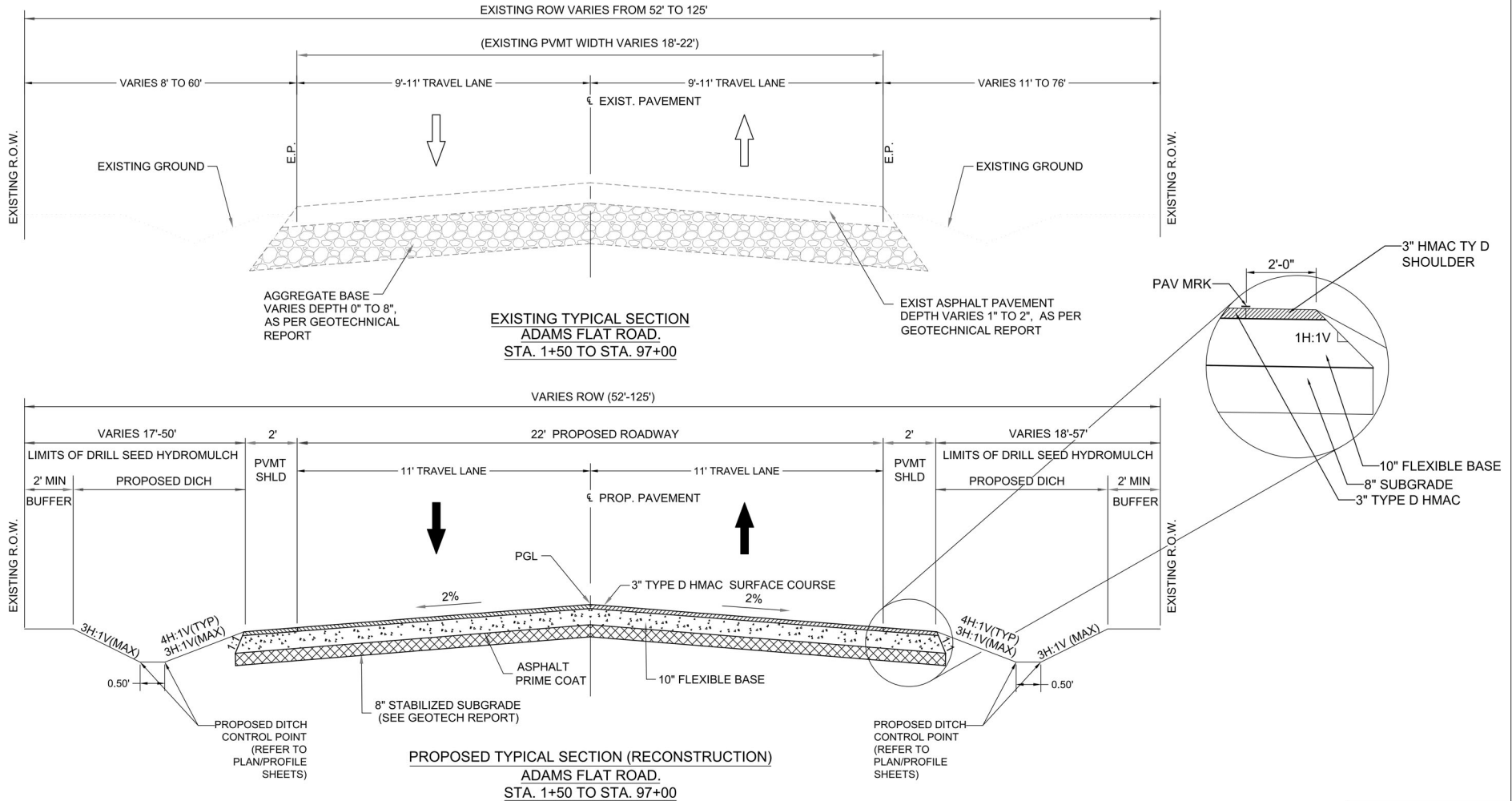


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
ABBREVIATIONS & SYMBOLS

DN:	CONT	SECT	JOB	ROAD
CK DN:			23301	ADAMS FLAT
DW:	DIST	COUNTY		SHEET NO.
CK DW:		WALLER		4



NOTE

1. FOR PAVEMENT LAYER THICKNESS, AND SUBGRADE TREATMENT, REFER TO GEOTECHNICAL REPORT BY TERRACON
2. REFER TO CONSTRUCTION CROSS SECTIONS SHEETS 34-50 FOR ACTUAL SIDESLOPES

100% SUBMITTAL



5/30/2026

REV. NO.	DATE	DESCRIPTION	BY

WALLER COUNTY
ENGINEERING DEPARTMENT



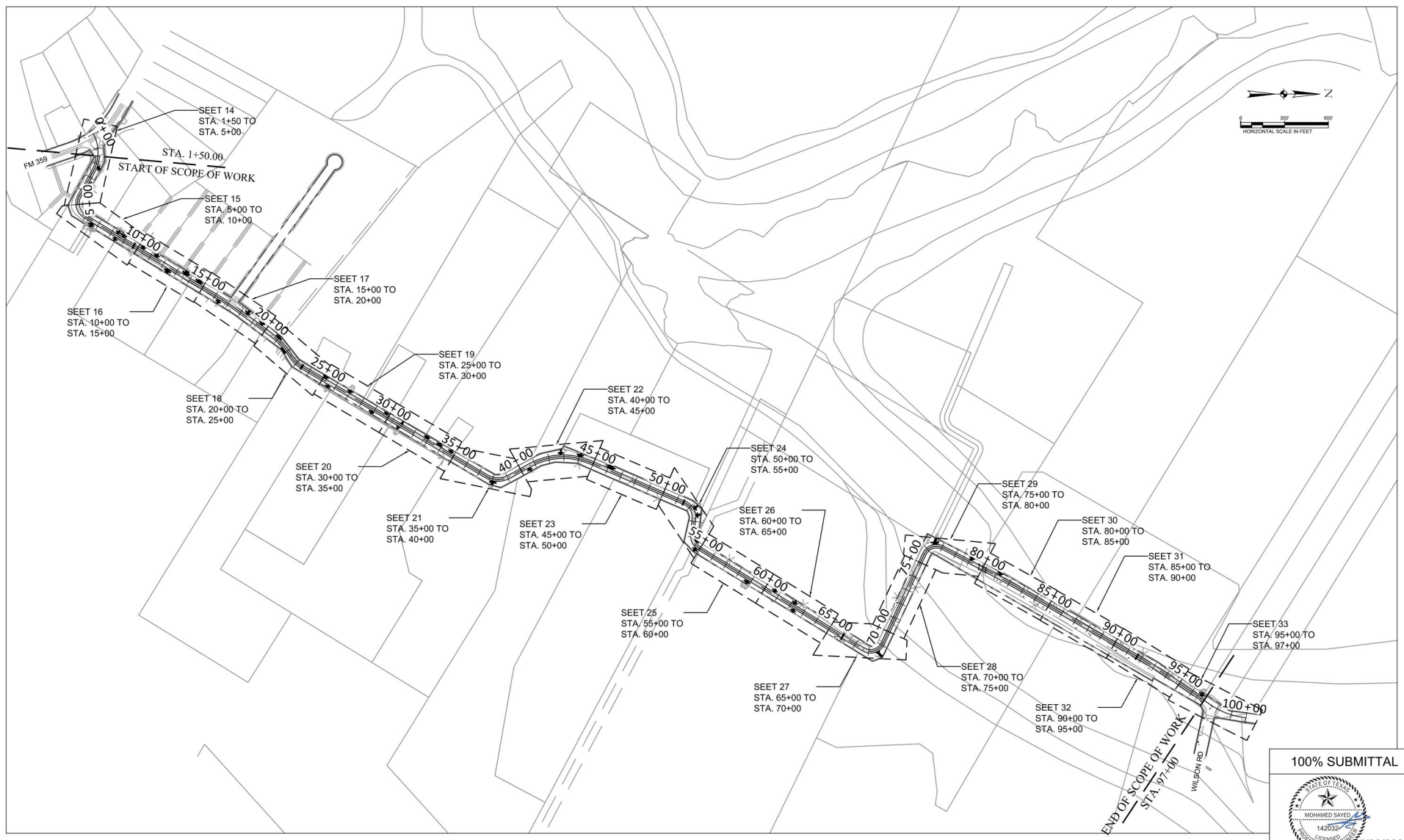
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
EXISTING & PROPOSED CROSS SECTIONS
AND PAVEMENT DETAILS

DN:	CONT	SECT	JOB	ROAD
CK DN:			23301	ADAMS FLAT
DW:	DIST	COUNTY	SHEET NO.	
CK DW:		WALLER	5	

100% SUBMITTAL

PLOT DATE: 5/20/2026 4:35 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\03_Sheets\Project Layout.dwg



100% SUBMITTAL



5/30/2026

REV. NO.	DATE	DESCRIPTION	BY

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PROJECT OVERALL LAYOUT

DN:	CONT	SECT	JOB	ROAD
CK DN:			23301	ADAMS FLAT
DW:	DIST		COUNTY	SHEET NO.
CK DW:			WALLER	6

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_SURVEY CONTROL MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN APRIL, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.

TEMPORARY BENCHMARK

TBM "A" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF F.M. HIGHWAY 359 AND ADAMS FLAT ROAD. ELEVATION = 173.00'

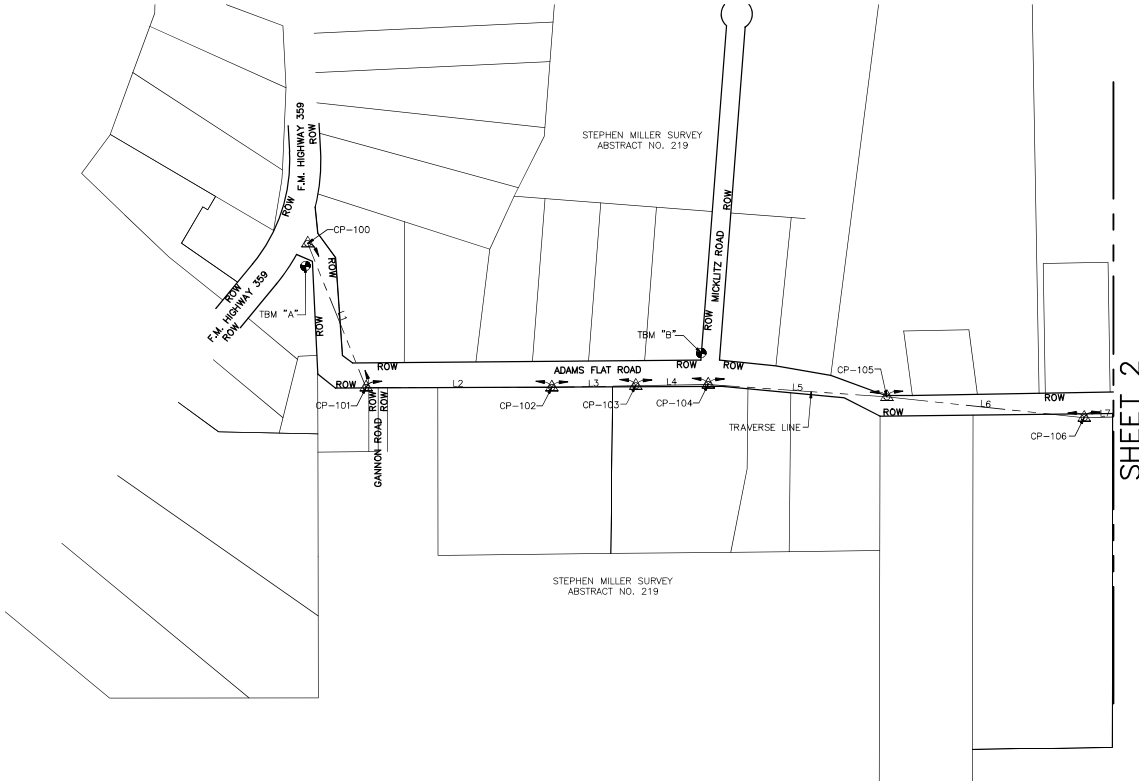
TBM "B" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED APPROXIMATELY 23' NORTHWEST FROM THE SOUTH CORNER OF THE INTERSECTION OF ADAMS FLAT ROAD AND MICKLITZ ROAD. POWER POLE IS LOCATED ON THE SOUTH LINE OF MICKLITZ ROAD. ELEVATION = 173.91'

LEGEND

- △ CONTROL POINT
- TEMPORARY BENCHMARK

TRAVERSE LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 80°33'02" E	500.50'
L2	N 31°29'51" E	597.73'
L3	N 30°18'09" E	270.51'
L4	N 30°35'34" E	233.35'
L5	N 35°27'17" E	576.46'
L6	N 37°31'33" E	638.89'
L7	N 30°12'28" E	495.75'

CONTROL POINT TABLE						
POINT	NORTHING (SURFACE)	EASTING (SURFACE)	NORTHING (GRID)	EASTING (GRID)	ELEVATION	DESCRIPTION
CP-100	13,874,883.89	2,920,719.64	13,873,080.39	2,920,339.99	171.38'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-101	13,874,801.72	2,921,213.35	13,872,998.23	2,920,833.64	167.64'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-102	13,875,311.38	2,921,525.64	13,873,507.82	2,921,145.89	165.12'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-103	13,875,544.93	2,921,662.13	13,873,741.34	2,921,282.36	169.97'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-104	13,875,745.80	2,921,780.89	13,873,942.19	2,921,401.10	173.12'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-105	13,876,215.37	2,922,115.27	13,874,411.70	2,921,735.44	170.50'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-106	13,876,722.06	2,922,504.43	13,874,918.32	2,922,124.55	175.45'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP



THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.



DATED: 07-08-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

NO.	REVISIONS	DATE	NAME
△			
△			
△			
△	REVISION_TEXT	DATE	INIT

WALLER COUNTY
ENGINEERING DEPARTMENT



PROJECT TITLE:		WALLER COUNTY - MOBILITY PROJECT		CIVIL STANDARD
		23301 ADAMS FLAT ROAD		
SHEET DESCRIPTION:		SURVEY CONTROL MAP		
DRAWN BY:	JCB	DATE:	7/08/25	
CK'D BY:	SCALE:	1"=200'		SHEET NO: 7

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_SURVEY_CONTROL_MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT NO. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN APRIL, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.

TEMPORARY BENCHMARK

TBM "C" - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE. POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD. ELEVATION = 154.93'

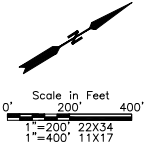
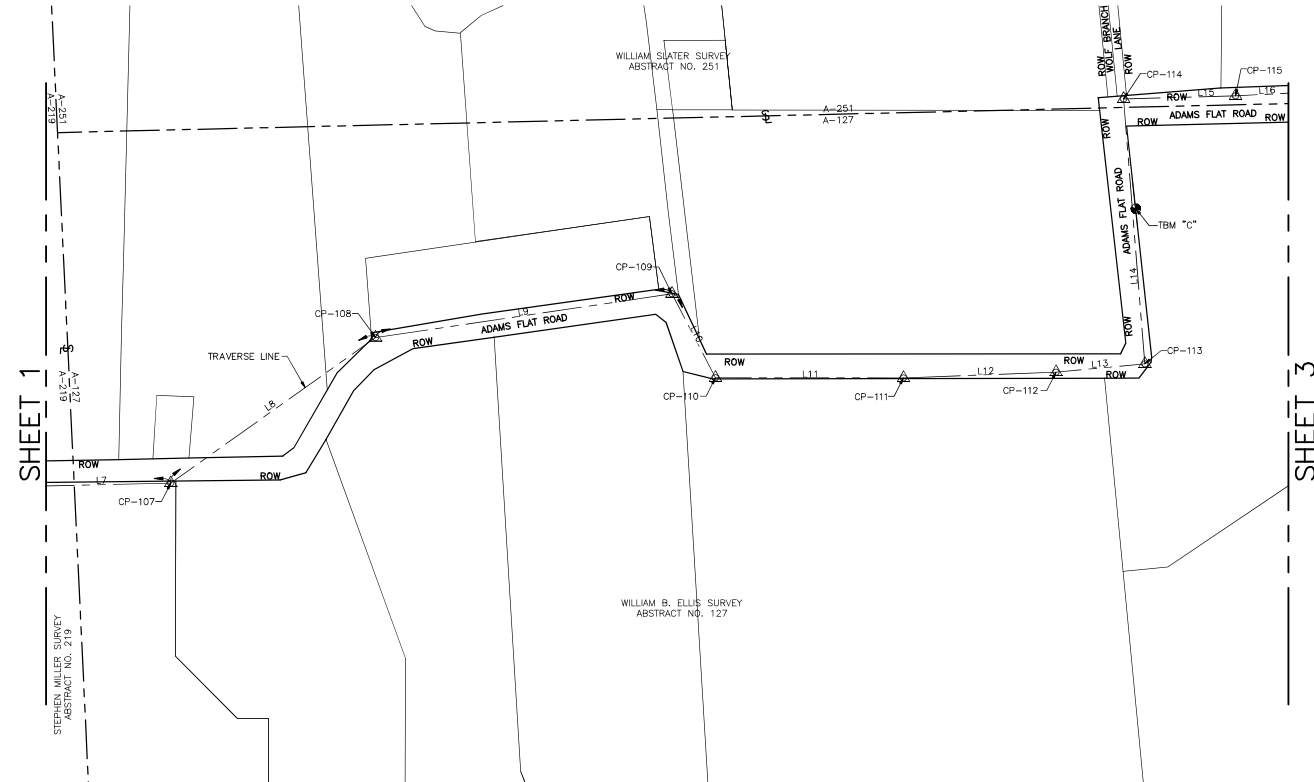
LEGEND

- △ CONTROL POINT
- TEMPORARY BENCHMARK

TRAVERSE LINE TABLE		
LINE	BEARING	DISTANCE
L7	N 30°12'28" E	495.75'
L8	N 03°53'50" W	808.91'
L9	N 23°06'09" E	964.74'
L10	S 85°52'23" E	304.45'
L11	N 31°32'37" E	605.41'
L12	N 29°20'19" E	491.42'
L13	N 26°09'52" E	287.22'
L14	N 63°04'46" W	855.50'
L15	N 29°52'50" E	360.56'
L16	N 28°37'36" E	514.82'

CONTROL POINT TABLE						
POINT	NORTHING (SURFACE)	EASTING (SURFACE)	NORTHING (GRID)	EASTING (GRID)	ELEVATION	DESCRIPTION
CP-107	13,877,150.49	2,922,753.86	13,875,346.69	2,922,373.95	171.78'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-108	13,877,992.53	2,922,698.88	13,876,153.63	2,922,318.98	163.11'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-109	13,878,844.90	2,923,077.42	13,877,040.88	2,922,697.47	157.43'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-110	13,878,822.99	2,923,381.08	13,877,018.98	2,923,001.09	161.90'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-111	13,879,338.95	2,923,697.80	13,877,534.87	2,923,317.77	164.14'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-112	13,879,767.34	2,923,938.58	13,877,963.20	2,923,558.52	153.05'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-113	13,880,025.13	2,924,065.23	13,878,220.96	2,923,685.15	156.08'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-114	13,880,412.46	2,923,302.44	13,878,608.24	2,922,922.46	149.67'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-115	13,880,725.09	2,923,482.07	13,878,920.83	2,923,102.07	151.04'	SET MAG NAIL W/ WASHER

NO.	REVISIONS	DATE	NAME
△			
△			
△			
△	REVISION_TEXT	DATE	INIT



THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.



DATED: 07-08-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

WALLER COUNTY
ENGINEERING DEPARTMENT



PROJECT TITLE:		WALLER COUNTY - MOBILITY PROJECT	
SHEET DESCRIPTION:		23301 ADAMS FLAT ROAD	CIVIL STANDARD
DRAWN BY:		SURVEY CONTROL MAP	DATE: 7/08/25
CK'D BY:		JCB	SHEET NO: 8
SCALE:		1"=200'	

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_SURVEY CONTROL_MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A-1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN APRIL, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.

TEMPORARY BENCHMARK

TBM "D" - - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 250' NORTH FROM THE INTERSECTION OF ADAMS FLAT ROAD AND WILSON ROAD. POWER POLE IS LOCATED ON THE WEST LINE OF ADAMS FLAT ROAD. ELEVATION = 155.49'

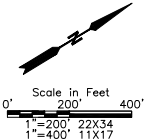
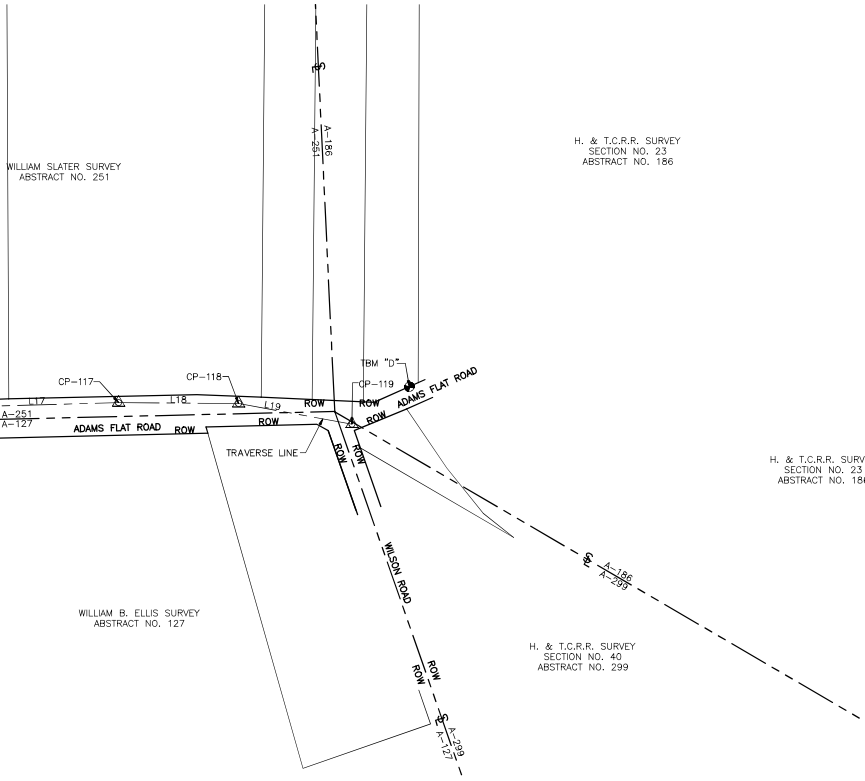
LEGEND

- △ CONTROL POINT
- ⊕ TEMPORARY BENCHMARK

TRAVERSE LINE TABLE		
LINE	BEARING	DISTANCE
L16	N 28°37'36" E	514.82'
L17	N 29°54'34" E	525.52'
L18	N 31°55'04" E	396.31'
L19	N 41°50'01" E	371.01'

CONTROL POINT TABLE						
POINT	NORTHING (SURFACE)	EASTING (SURFACE)	NORTHING (GRID)	EASTING (GRID)	ELEVATION	DESCRIPTION
CP-116	13,881,176.98	2,923,728.72	13,879,372.66	2,923,348.68	150.83'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-117	13,881,632.51	2,923,990.76	13,879,828.13	2,923,610.69	150.81'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-118	13,881,960.41	2,924,195.00	13,880,155.99	2,923,814.91	152.00'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP
CP-119	13,882,236.84	2,924,442.45	13,880,432.38	2,924,062.32	152.68'	SET 5/8" I.R. W/ "SOLAR SURVEYING" CAP

SHEET 2



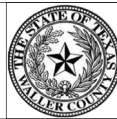
THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.



DATED: 07-08-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

NO.	REVISIONS	DATE	NAME
△			
△			
△			
△	REVISION_TEXT	DATE	INIT

WALLER COUNTY
ENGINEERING DEPARTMENT



PROJECT TITLE:		WALLER COUNTY – MOBILITY PROJECT		CIVIL STANDARD
		23301 ADAMS FLAT ROAD		
SHEET DESCRIPTION:				DATE: 7/08/25
SURVEY CONTROL MAP				
DRAWN BY:	JCB			SHEET NO: 9
CK'D BY:	SCALE:	1"=200'		

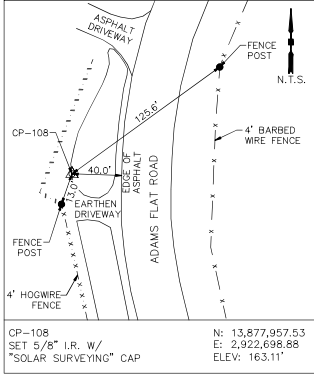
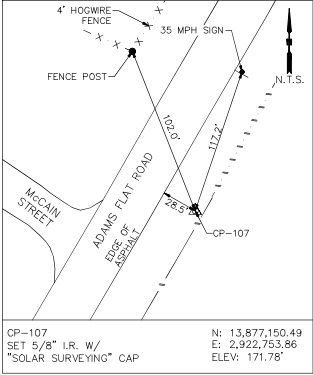
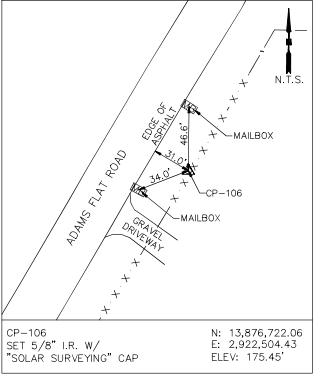
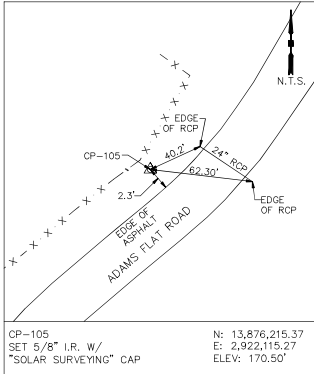
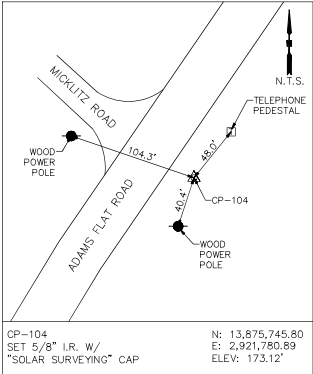
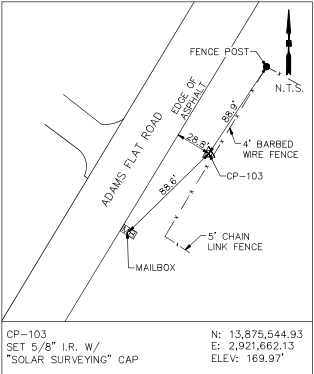
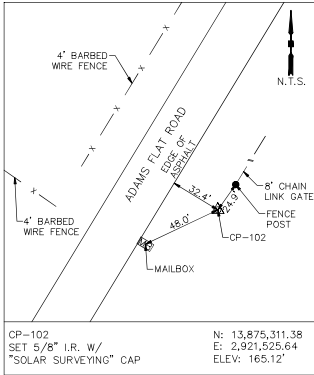
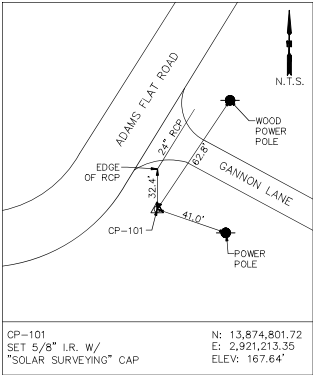
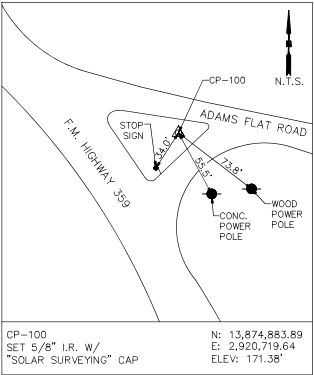
R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_HORIZONTAL & VERTICAL MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN APRIL, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.

LEGEND

- △ CONTROL POINT
- TELEPHONE PEDESTAL
- SIGN
- MAILBOX
- POWER POLE
- POST
- X X X X X X X X - HOGWIRE FENCE
- - - - - EDGE OF ASPHALT
- - - - - HIGH BANK
- - - - - BARBED WIRE FENCE
- - - - - FENCE (AS LABELED)



THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

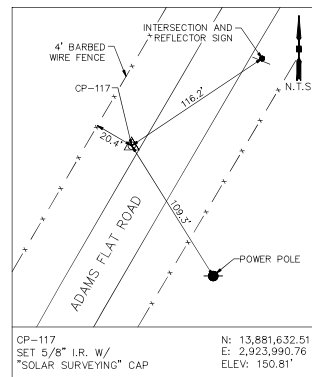
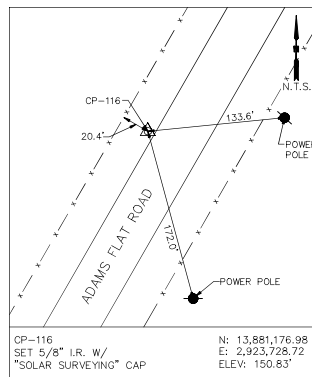
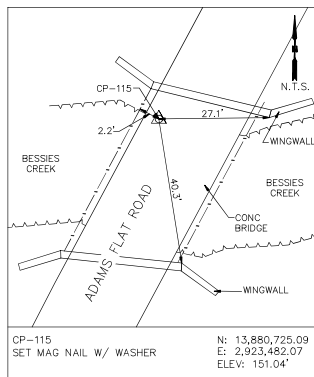
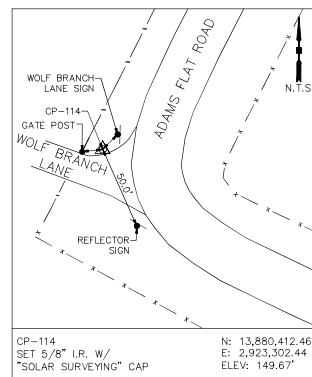
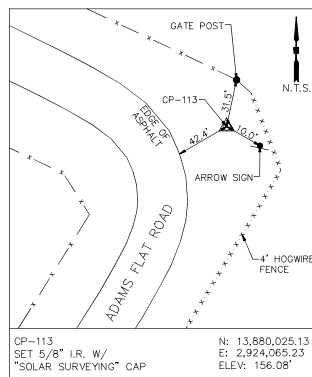
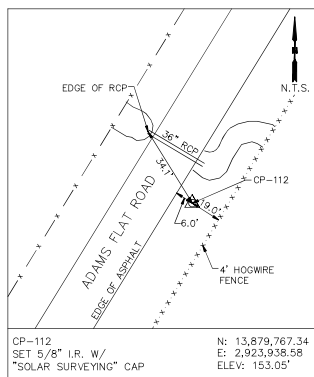
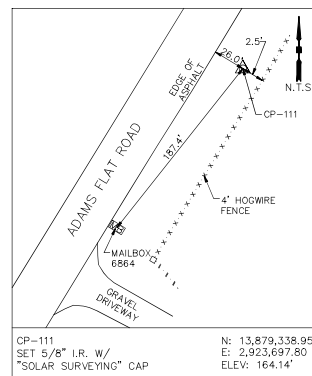
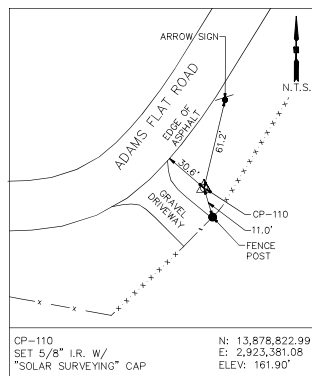
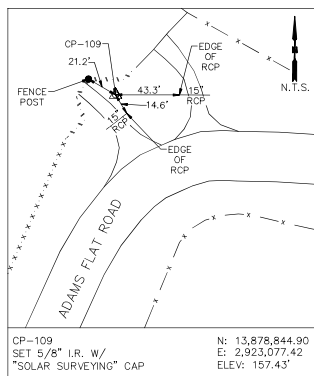
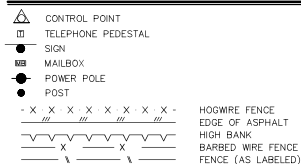


DATED: 07-08-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

NO.	REVISIONS	DATE	NAME
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			
101			
102			
103			
104			
105			
106			
107			
108			
109			
110			
111			
112			
113			
114			
115			
116			
117			
118			
119			
120			
121			
122			
123			
124			
125			
126			
127			
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
151			
152			
153			
154			
155			
156			
157			
158			
159			
160			
161			
162			
163			
164			
165			
166			
167			
168			
169			
170			
171			
172			
173			
174			
175			
176			
177			
178			
179			
180			
181			
182			
183			
184			
185			
186			
187			
188			
189			
190			
191			
192			
193			
194			
195			
196			
197			
198			
199			
200			
201			
202			
203			
204			
205			
206			
207			
208			
209			
210			
211			
212			
213			
214			
215			
216			
217			
218			
219			
220			
221			
222			
223			
224			
225			
226			
227			
228			
229			
230			
231			
232			
233			
234			
235			
236			
237			
238			
239			
240			
241			
242			
243			
244			
245			
246			
247			
248			
249			
250			
251			
252			
253			
254			
255			
256			
257			
258			
259			
260			
261			
262			
263			
264			
265			
266			
267			
268			
269			
270			
271			
272			
273			
274			
275			
276			
277			
278			
279			
280			
281			
282			
283			
284			
285			
286			
287			
288			
289			
290			
291			
292			
293			
294			
295			
296			
297			
298			
299			
300			
301			
302			
303			
304			
305			
306			
307			
308			
309			
310			
311			
312			
313			
314			
315			
316			
317			
318			
319			
320			
321			
322			
323			
324			
325			
326			
327			
328			
329			
330			
331			
332			
333			
334			
335			
336			
337			
338			
339			
340			
341			
342			
343			
344			
345			
346			
347			
348			
349			
350			
351			
352			
353			
354			
355			
356			
357			
358			
359			
360			
361			
362			
363			
364			
365			
366			
367			
368			
369			
370			
371			
372			
373			
374			
375			
376			
377			
378			
379			
380			
381			
382			
383			
384			
385			
386			
387			
388			
389			
390			
391			
392			
393			
394			
395			
396			
397			
398			
399			
400			
401			
402			
403			
404			
405			
406			
407			
408			
409			
410			
411			
412			
413			
414			
415			
416			
417			
418			
419			
420			
421			
422			
423			
424			
425			
426			
427			

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVDB88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT NO. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN APRIL, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.

LEGEND



THE CONTROL POINTS SHOWN HEREIN WERE
DETERMINED BY A SURVEY MADE ON THE
GROUND UNDER MY SUPERVISION.



DATED: 07-08-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

NO.	REVISIONS	DATE	NAME
1			
2			
3			
4			
5	REVISION_TEXT	DATE	INITIALS

WALLER COUNTY
ENGINEERING DEPARTMENT



SOLAR
SURVEYING, L.L.C.
TEXAS PROFESSIONAL LAND SURVEYORS
TBPELS FIRM REGISTRATION NO.10194443
11111 KATY FREEWAY, SUITE 910
HOUSTON, TX 77079
TELE: 832-781-4697

PROJECT TITLE:		WALLER COUNTY — MOBILITY PROJECT		CIVIL STANDARD
SHEET DESCRIPTION:		23301 ADAMS FLAT ROAD HORIZONTAL & VERTICAL CONTROL MAP		
DRAWN BY:	JCB	DATE:	7/28/02	
CK'D BY:	SCALE:	NOT TO SCALE		SHEET NO.: 11

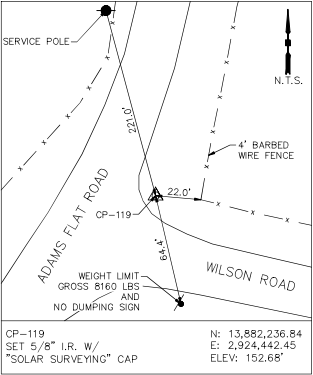
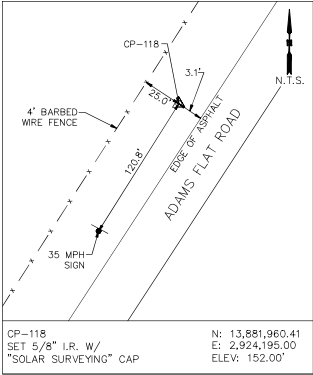
R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_HORIZONTAL & VERTICAL MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN APRIL, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.

LEGEND

- △ CONTROL POINT
□ TELEPHONE PEDESTAL
● SIGN
■ MAILBOX
● POWER POLE
● POST
- X X X X X X X X - HOGWIRE FENCE
- - - - - - - - - - EDGE OF ASPHALT
- - - - - - - - - - HIGH BANK
- - - - - - - - - - BARBED WIRE FENCE
- - - - - - - - - - FENCE (AS LABELED)



THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.



DATED: 07-08-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

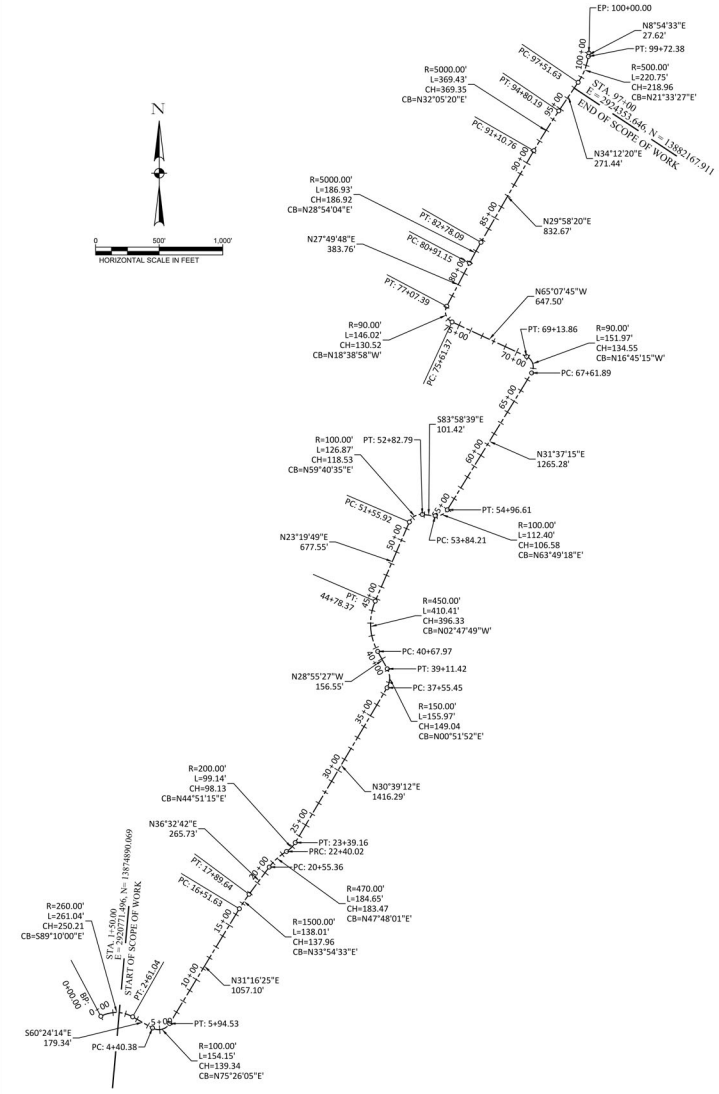
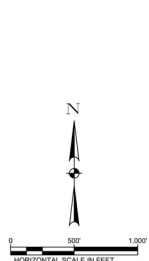
| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | REVISION_TEXT | DATE | INIT |

WALLER COUNTY
ENGINEERING DEPARTMENT



| | | | |
|--------------------|--------|-----------------------------------|----------------|
| PROJECT TITLE: | | WALLER COUNTY - MOBILITY PROJECT | |
| | | 23301 ADAMS FLAT ROAD | CIVIL STANDARD |
| SHEET DESCRIPTION: | | HORIZONTAL & VERTICAL CONTROL MAP | |
| DRAWN BY: | JCB | DATE: | 7/08/25 |
| CK'D BY: | SCALE: | NOT TO SCALE | |
| | | SHEET NO: 12 | |

PLOT DATE: 5/20/2026 4:35 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_PCT3\5-Final Design\03_Sheets\Horizontal Alignment Data.dwg



Alignment Station and Curve Report

Alignment: Adams_Flat_RD

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 0+00.000 | 13874860.826 | 2920626.487 |
| RP: | 13874631.109 | 2920748.266 | |
| PT: | 2+61.041 | 13874857.187 | 2920876.675 |

| Circular Curve Data | | | |
|---------------------|-----------------|-----------|----------------------|
| Parameter | Value | Parameter | Value |
| Delta: | 57° 31' 31.045" | Type: | RIGHT |
| Radius: | 260.000 | | |
| Length: | 261.041 | Tangent: | 142.716 |
| Mid-Ord: | 32.079 | External: | 36.594 |
| Chord: | 250.215 | Course: | S 89° 09' 59.9938" E |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 2+61.041 | 13874857.187 | 2920876.675 |
| End: | 4+40.378 | 13874768.616 | 2921032.614 |

| Parameter Value/Parameter Value | | | |
|---------------------------------|---------|---------|---------------|
| Length: | 179.337 | Course: | 5° 60' 24\"/> |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 4+40.378 | 13874768.616 | 2921032.614 |
| RP: | 13874855.569 | 2921082.002 | |
| PT: | 5+94.530 | 13874803.656 | 2921167.472 |

| Parameter | Value | Parameter | Value |
|-----------|-----------------|-----------|-------|
| Delta: | 88° 19' 20.627" | Type: | LEFT |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 5+94.530 | 13874803.656 | 2921167.472 |
| End: | 16+51.628 | 13875707.157 | 2921716.237 |

| Parameter Value/Parameter Value | | | |
|---------------------------------|----------|---------|-----------------------|
| Length: | 1057.098 | Course: | N 31° 16' 24.6663\"/> |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 16+51.628 | 13875707.157 | 2921716.237 |
| RP: | 13874928.471 | 2922998.285 | |
| PT: | 17+89.637 | 13875821.653 | 2921793.202 |

| | | | |
|----------|----------|-----------|--------------------|
| Radius: | 1500.000 | | |
| Length: | 138.009 | Tangent: | 69.053 |
| Mid-Ord: | 1.587 | External: | 1.589 |
| Chord: | 137.960 | Course: | N 33° 54' 33.4542" |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 17+89.637 | 13875821.653 | 2921793.202 |
| End: | 20+55.365 | 13876035.136 | 2921951.431 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 20+55.365 | 13876035.136 | 2921951.431 |
| RP: | 13875755.272 | 2922329.023 | |
| PT: | 22+40.017 | 13876158.374 | 2922087.345 |

| | |
|-------------------------|----------------------------|
| Delta: 22° 30' 36.7197" | Type: Right |
| Radius: 469.999 | |
| Length: 184.652 | Tangent: 93.532 |
| Mid-Ord: 9.039 | External: 9.216 |
| Chord: 183.467 | Course: N 47° 48' 00.6021" |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 22+40.017 | 13876158.374 | 2922087.345 |
| RP: | 13876329.906 | 2921984.502 | |
| PT: | 23+39.158 | 13876227.938 | 2922156.556 |

| | | | |
|----------|------------------|-----------|----------------------|
| Delta: | 28° 24' 07.2480" | Type: | Left |
| Radius: | 200.000 | | |
| Length: | 99.142 | Tangent: | 50.612 |
| Mid-Ord: | 6.112 | External: | 6.304 |
| Chord: | 98.130 | Course: | N 44° 51' 15.2755" E |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 23+39.158 | 13876227.938 | 2922156.556 |
| End: | 37+55.446 | 13877446.326 | 2922878.637 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 37+55.446 | 13877446.326 | 2922878.637 |
| RP: | 13877522.802 | 2922749.597 | |
| PT: | 39+11.419 | 13877595.350 | 2922880.886 |

| | | | |
|----------|---------|-----------|--------------------|
| Radius: | 150.000 | | |
| Length: | 155.974 | Tangent: | 85.867 |
| Mid-Ord: | 19.821 | External: | 22.838 |
| Chord: | 149.041 | Course: | N 00° 51' 52.1590" |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 39+11.419 | 13877595.350 | 2922880.886 |
| End: | 40+67.966 | 13877732.369 | 2922805.172 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 40+67.966 | 13877732.369 | 2922805.172 |
| RP: | 13877950.013 | 2923199.038 | |
| PT: | 44+78.371 | 13878128.226 | 2922785.831 |

| | | | |
|----------|---------|-----------|--------------------|
| Radius: | 450.000 | Tangent: | 220.718 |
| Length: | 410.405 | External: | 51.215 |
| Mid-Ord: | 45.982 | Course: | N 02° 47' 49.3955" |
| Chord: | 396.329 | | |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 44+78.371 | 13878128.226 | 2922785.831 |
| End: | 51+55.922 | 13878750.379 | 2923054.161 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 51+55.922 | 13878750.379 | 2923054.161 |
| RP: | 13878710.776 | 2923145.985 | |
| PT: | 52+82.794 | 13878810.224 | 2923156.476 |

| | |
|-------------------------|----------------------------|
| Delta: 72° 41' 32.2074" | Type: RIGHT |
| Radius: 100.000 | |
| Length: 126.872 | Tangent: 73.581 |
| Mid-Ord: 19.455 | External: 24.154 |
| Chord: 118.532 | Course: N 59° 40' 34.6462" |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 52+82.794 | 13878810.224 | 2923156.476 |
| End: | 53+84.210 | 13878799.583 | 2923257.333 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 53+84.210 | 13878799.583 | 2923257.333 |
| RP: | 13878899.032 | 2923267.824 | |
| PT: | 54+96.612 | 13878846.602 | 2923352.978 |

| | | | |
|----------|---------------|-----------|--------------------|
| Delta: | 64 24 05.7998 | Type: | Left |
| Radius: | 100.000 | | |
| Length: | 112.402 | Tangent: | 62.975 |
| Mid-Ord: | 15.381 | External: | 18.177 |
| Chord: | 106.578 | Course: | N 63° 49' 17.8500" |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 54+96.612 | 13878846.602 | 2923352.978 |
| End: | 67+61.890 | 13879924.033 | 2924016.358 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 67+61.890 | 13879924.033 | 2924016.358 |
| RP: | 13879971.219 | 2923939.719 | |
| PT: | 69+13.864 | 13880052.873 | 2923977.571 |

| | | | |
|------------------------------------|---------|-----------|--------------------|
| Delta: 96° 45' 00.1216" Type: LEFI | | | |
| Radius: | 90.000 | | |
| Length: | 151.975 | Tangent: | 101.280 |
| Mid-Ord: | 30.217 | External: | 45.491 |
| Chord: | 134.552 | Course: | N 16° 45' 15.1107" |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 69+13.864 | 13880052.873 | 2923977.571 |
| End: | 75+61.368 | 13880325.195 | 2923390.118 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 75+61.368 | 13880325.195 | 2923390.118 |
| RP: | 13880406.948 | 2923427.970 | |
| PT: | 77+07.388 | 13880448.865 | 2923348.379 |

| | | | |
|----------|---------|-----------|----------------------|
| Radius: | 90.000 | | |
| Length: | 146.020 | Tangent: | 94.773 |
| Mid-Ord: | 28.025 | External: | 40.698 |
| Chord: | 130.523 | Course: | N 18° 38' 58.4326" W |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 77+07.388 | 13880448.865 | 2923348.379 |
| End: | 80+91.150 | 13880788.240 | 2923527.540 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 80+91.150 | 13880788.240 | 2923527.540 |
| RP: | 13878453.985 | 2927949.219 | |
| PT: | 82+78.085 | 13880951.884 | 2923617.880 |

| | | | |
|----------|----------|-----------|----------------------|
| Radius: | 5000.000 | | |
| Length: | 186.935 | Tangent: | 93.478 |
| Mid-Ord: | 0.874 | External: | 0.874 |
| Chord: | 186.924 | Course: | N 28° 54' 04.1161" E |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 82+78.085 | 13880951.884 | 2923617.880 |
| End: | 91+10.759 | 13881673.202 | 2924033.867 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 91+10.759 | 13881673.202 | 2924033.867 |
| RP: | 13879175.303 | 2928365.206 | |
| PT: | 94+80.190 | 13881986.122 | 2924230.076 |

| | |
|-------------------------|------------------------------|
| Delta: 04° 14' 00.1031" | Type: RIGHT |
| Radius: 5000.000 | |
| Length: 369.431 | Tangent: 184.799 |
| Mid-Ord: 3.412 | External: 3.414 |
| Chord: 369.347 | Course: N 32° 05' 19.9774" E |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 94+80.190 | 13881986.122 | 2924230.076 |
| End: | 97+51.626 | 13882210.606 | 2924382.668 |

| Curve Point Data | | | |
|------------------|--------------|--------------|-------------|
| Description | Station | Northing | Easting |
| PC: | 97+51.626 | 13882210.606 | 2924382.668 |
| RP: | 13882491.688 | 2923969.155 | |
| PT: | 99+72.378 | 13882414.254 | 2924463.122 |

| | |
|-------------------------|------------------------------|
| Delta: 25° 17' 46.9865" | Type: Left |
| Radius: 500.000 | |
| Length: 220.753 | Tangent: 112.205 |
| Mid-Ord: 12.134 | External: 12.435 |
| Chord: 218.964 | Course: N 21° 33' 26.5357" E |

| Tangent Data | | | |
|--------------|------------|--------------|-------------|
| Description | PT Station | Northing | Easting |
| Start: | 99+72.378 | 13882414.254 | 2924463.122 |
| End: | 100+56.212 | 13882497.076 | 2924476.105 |

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

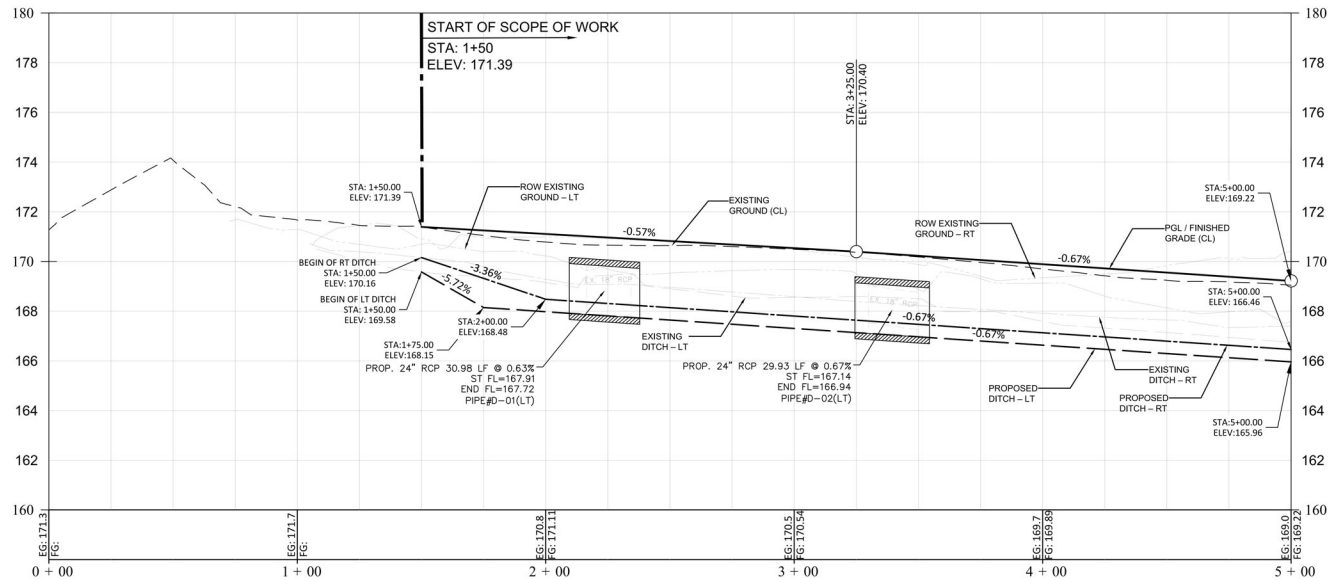
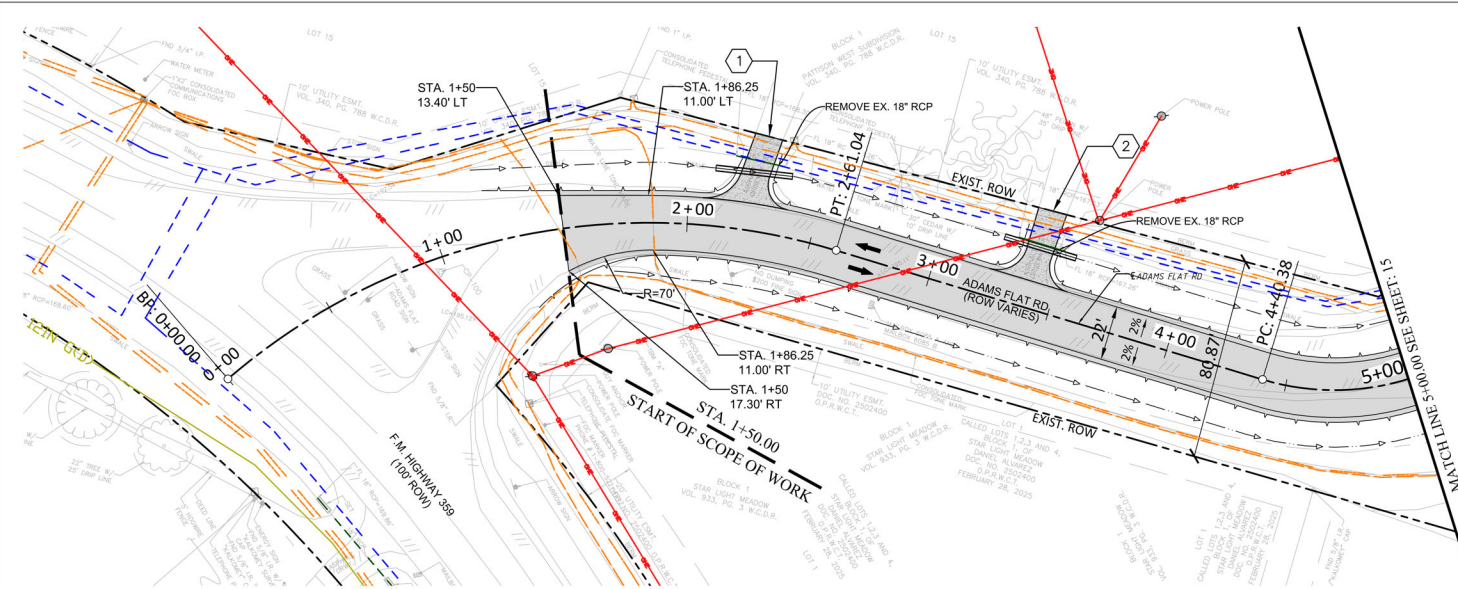


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
HORIZONTAL ALIGNMENT DATA

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 13 |

PLOT DATE: 5/20/2026 4:32 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_PCT3\5-Final Design\100_Sheets\WFL_P2_BASE.dwg



KEYPLAN

PLAN LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- EXIST. EDGE OF PVMT
- BASELINE
- PROP. ROADWAY P.V.M.T. W/2' SHLDR.
- ASPHALT DRIVEWAY P.V.M.T.
- CONC. P.V.M.T. DRIVEWAY
- PROPOSED CULVERT
- PROPOSED CULVERT W/SET
- PROP. DITCH TOP OF BANK
- PROP. DITCH FLOW LINE
- OUTFALL FLOW DIRECTION

EXISTING UTILITIES

- WATER (PATTISON WSC)
- STORM DRAIN (WALLER COUNTY)
- ELECTRIC BURIED (SAN BERNARD COOP)
- OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES)
- GAS (ASPEN MIDSTREAM)
- GAS (ENERGY TRANSFER)
- FIBER (CONSOLIDATED COMMUNICATIONS)
- TELEPHONE (CONSOLIDATED COMMUNICATIONS)

PROFILE LEGEND

- PGL / FINISHED GRADE (CL)
- EXISTING GROUND (CL)
- ROW EXISTING GROUND - RT
- ROW EXISTING GROUND - LT
- PROPOSED DITCH - RT
- PROPOSED DITCH - LT
- EXISTING DITCH - RT
- EXISTING DITCH - LT

NOTES:

- REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
- REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
- REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
- REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
- REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.

100% SUBMITTAL

5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

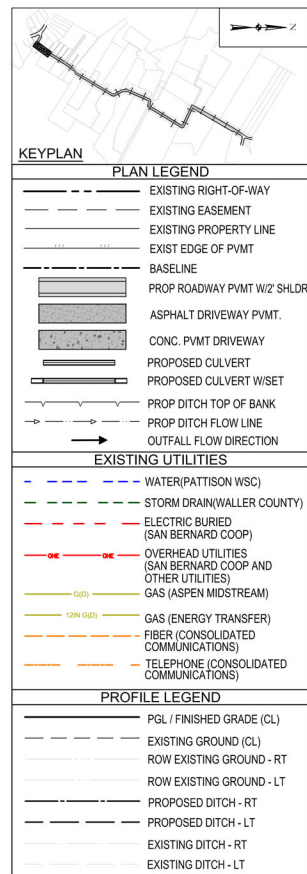
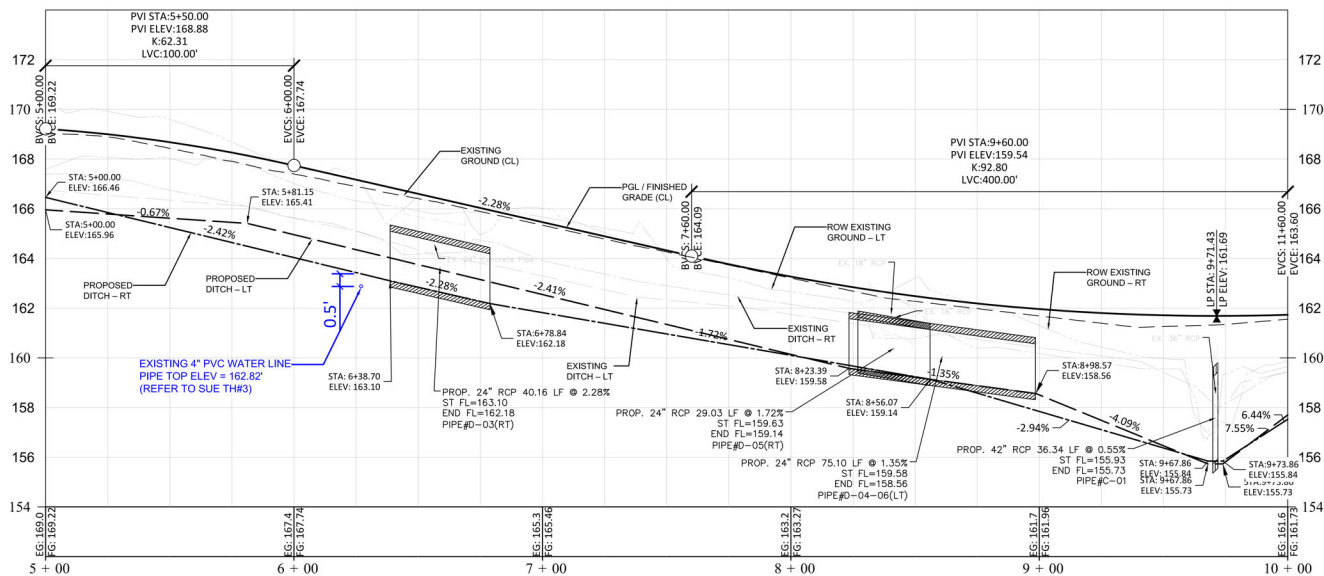
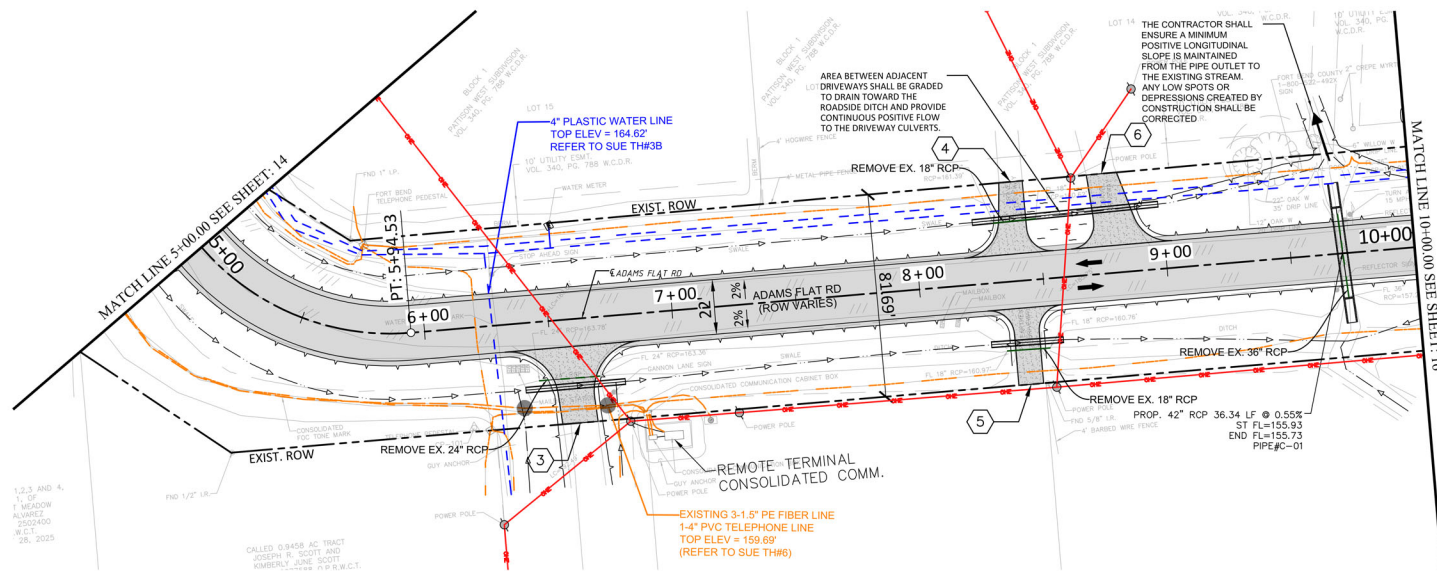


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 1+50 TO STA. 5+00
(SHEET 1 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 14 |

PLOT DATE: 5/30/2026 4:35 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103-Sheet\MFL_P1_BASE.dwg



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

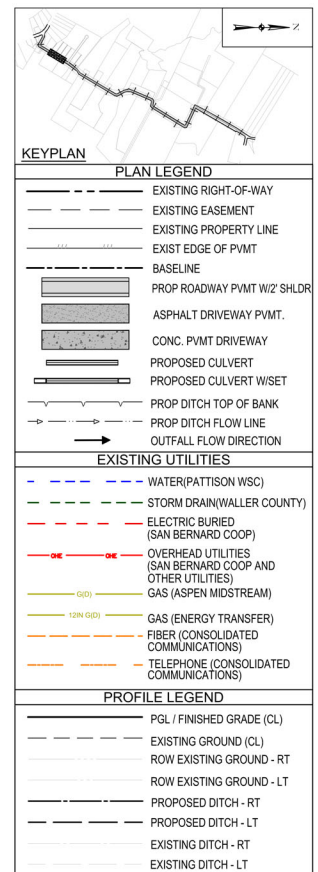
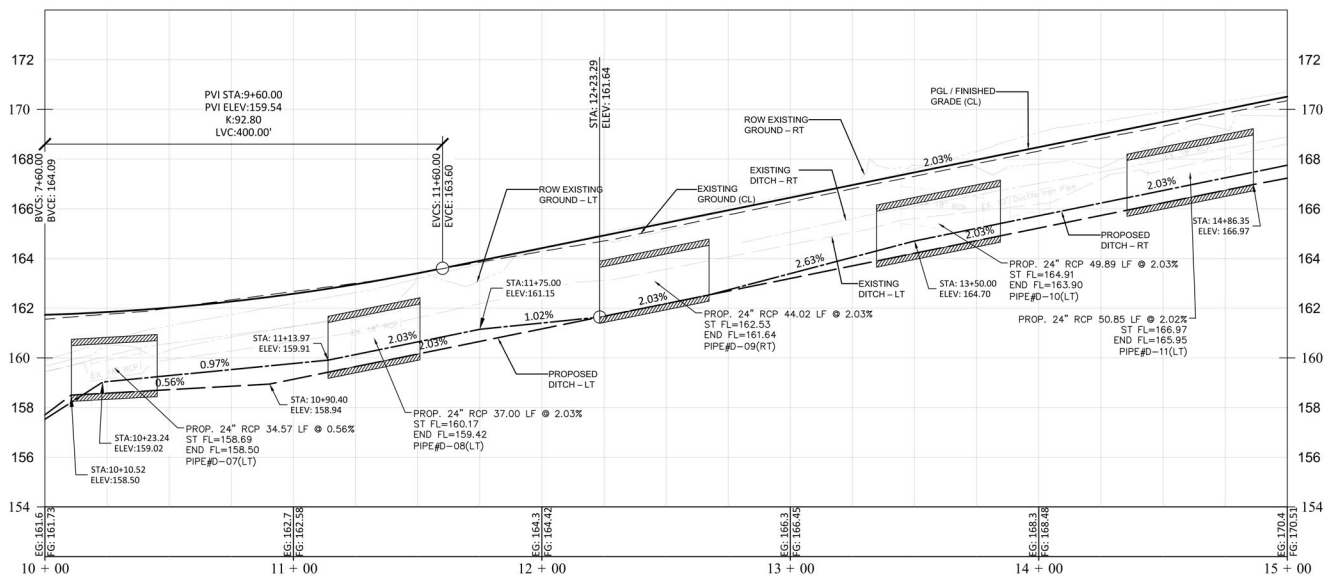
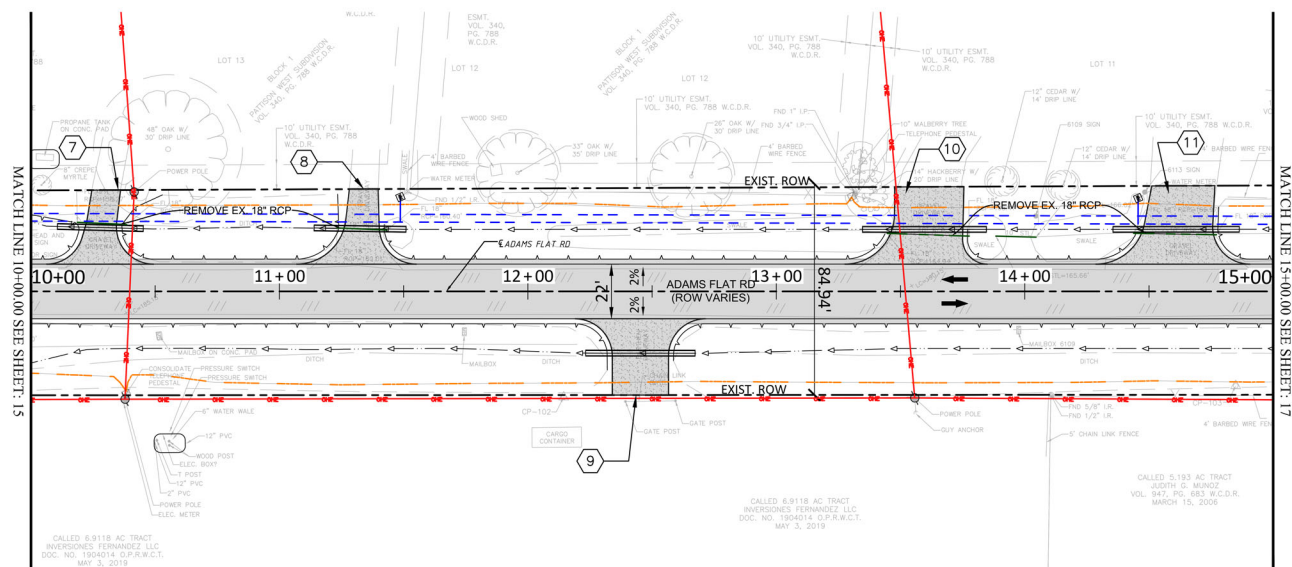


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 5+00 TO STA. 10+00
(SHEET 2 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 15 |



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.

HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=5'

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

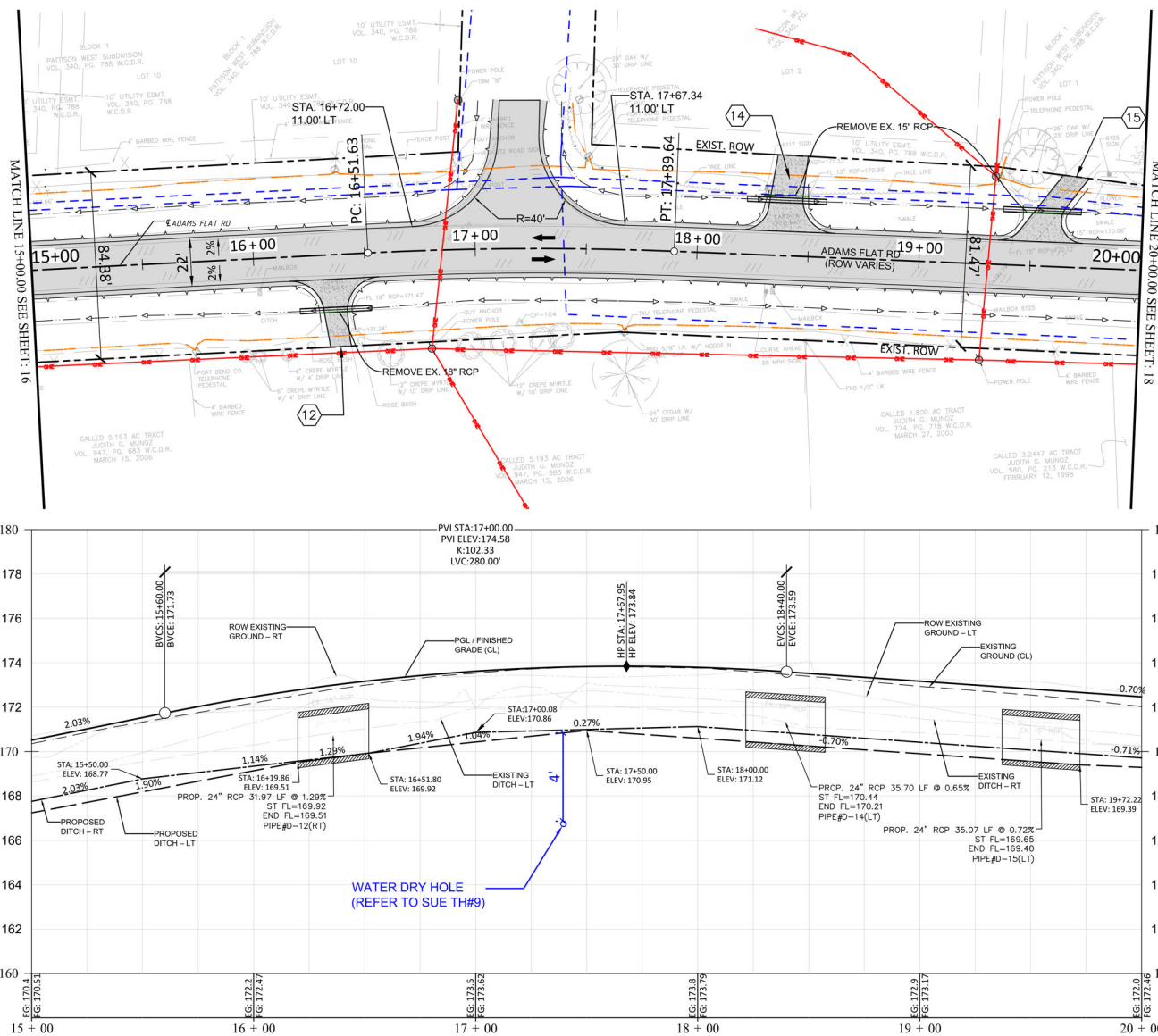
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 10+00 TO STA. 15+00
(SHEET 3 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 16 |



KEYPLAN

PLAN LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- EXIST EDGE OF PVMT
- BASELINE
- PROP ROADWAY P/MT W/2 SHLDR
- ASPHALT DRIVEWAY P/MT
- CONC. P/MT DRIVEWAY
- PROPOSED CULVERT
- PROPOSED CULVERT W/SET
- PROP DITCH TOP OF BANK
- PROP DITCH FLOW LINE
- OUTFALL FLOW DIRECTION

EXISTING UTILITIES

- WATER (PATTISON WSC)
- STORM DRAIN (WALLER COUNTY)
- ELECTRIC BURIED (SAN BERNARD COOP)
- OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES)
- GAS (ASPEN MIDSTREAM)
- 12IN GDI
- GAS (ENERGY TRANSFER)
- FIBER (CONSOLIDATED COMMUNICATIONS)
- TELEPHONE (CONSOLIDATED COMMUNICATIONS)

PROFILE LEGEND

- PGL / FINISHED GRADE (CL)
- EXISTING GROUND (CL)
- ROW EXISTING GROUND - RT
- ROW EXISTING GROUND - LT
- PROPOSED DITCH - RT
- PROPOSED DITCH - LT
- EXISTING DITCH - RT
- EXISTING DITCH - LT

NOTES:

1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.

HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=5'

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



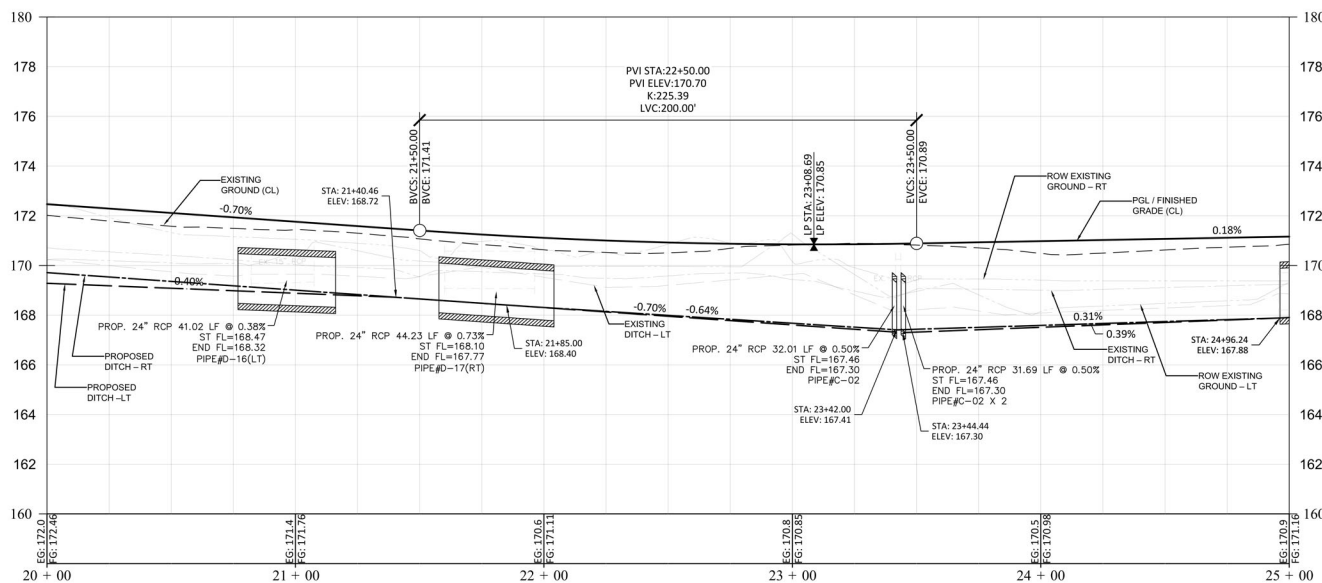
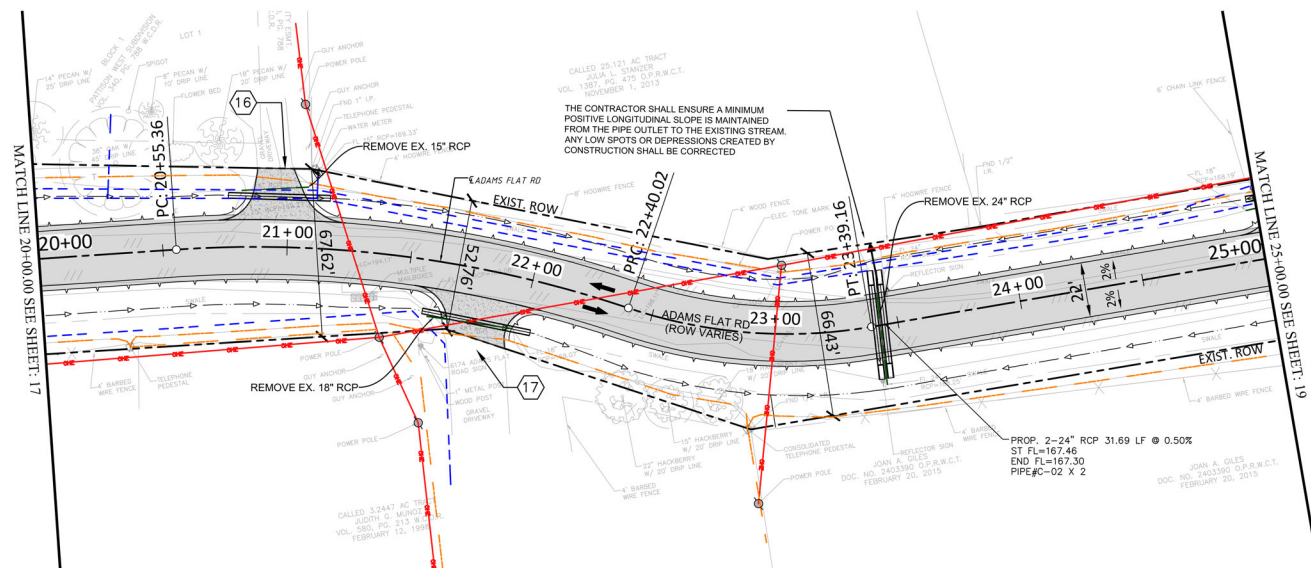
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 15+00 TO STA. 20+00
(SHEET 4 OF 20)

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 17 |

PLOT DATE: 5/20/2026 4:35 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103-Sheet\WFL_P18_BASE.dwg



| PLAN LEGEND | |
|-------------|------------------------------------|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING EASEMENT |
| | EXISTING PROPERTY LINE |
| | EXIST. EDGE OF P.V.M.T. |
| | BASILINE |
| | PROP. ROADWAY P.V.M.T. W/2' SHLDR. |
| | ASPHALT DRIVEWAY P.V.M.T. |
| | CONC. P.V.M.T. DRIVEWAY |
| | PROPOSED CULVERT |
| | PROPOSED CULVERT W/INVERT |
| | PROP. DITCH TOP OF BANK |
| | PROP. DITCH FLOW LINE |
| | OUTFALL FLOW DIRECTION |

| EXISTING UTILITIES | |
|--------------------|---|
| | WATER (PATTISON WSC) |
| | STORM DRAIN (WALLER COUNTY) |
| | ELECTRIC BURIED (SAN BERNARD COOP) |
| | OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES) |
| | GAS (ASPEN MIDSTREAM) |
| | GAS (ENERGY TRANSFER) |
| | FIBER (CONSOLIDATED COMMUNICATIONS) |
| | TELEPHONE (CONSOLIDATED COMMUNICATIONS) |

| PROFILE LEGEND | |
|----------------|---------------------------|
| | PGL / FINISHED GRADE (CL) |
| | EXISTING GROUND (CL) |
| | ROW EXISTING GROUND - RT |
| | ROW EXISTING GROUND - LT |
| | PROPOSED DITCH - RT |
| | PROPOSED DITCH - LT |
| | EXISTING DITCH - RT |
| | EXISTING DITCH - LT |

- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

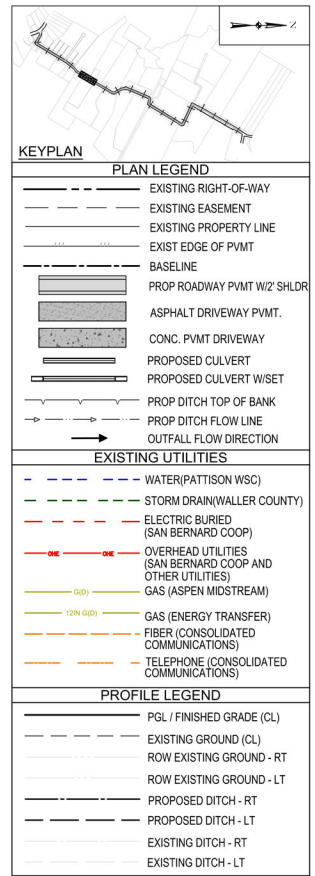
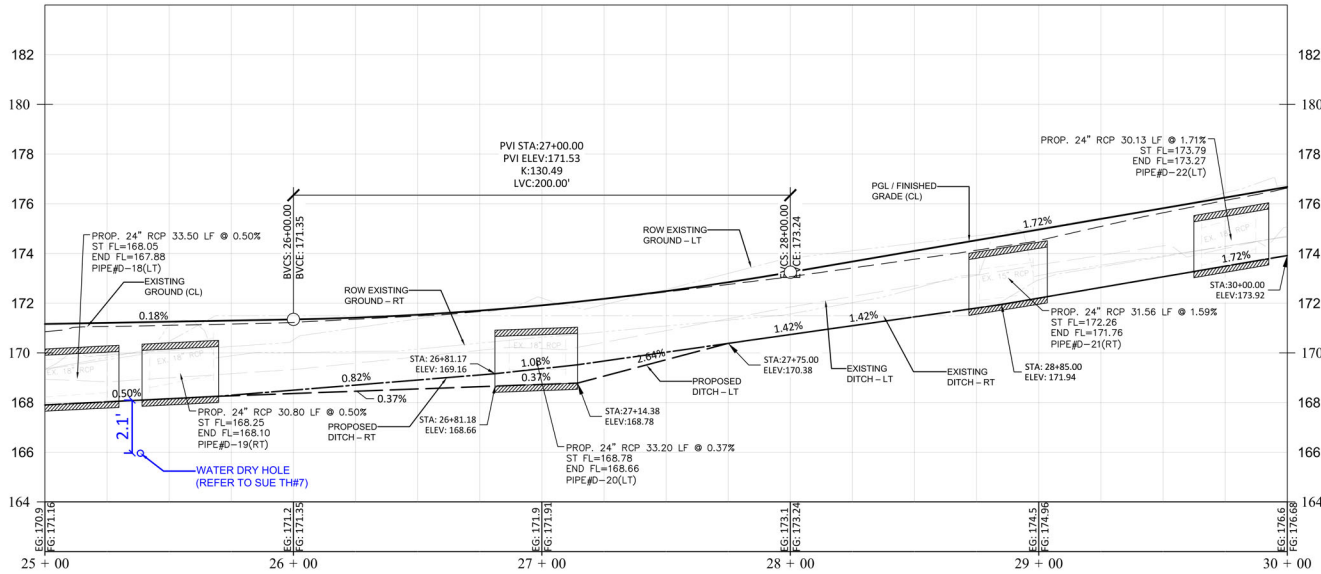
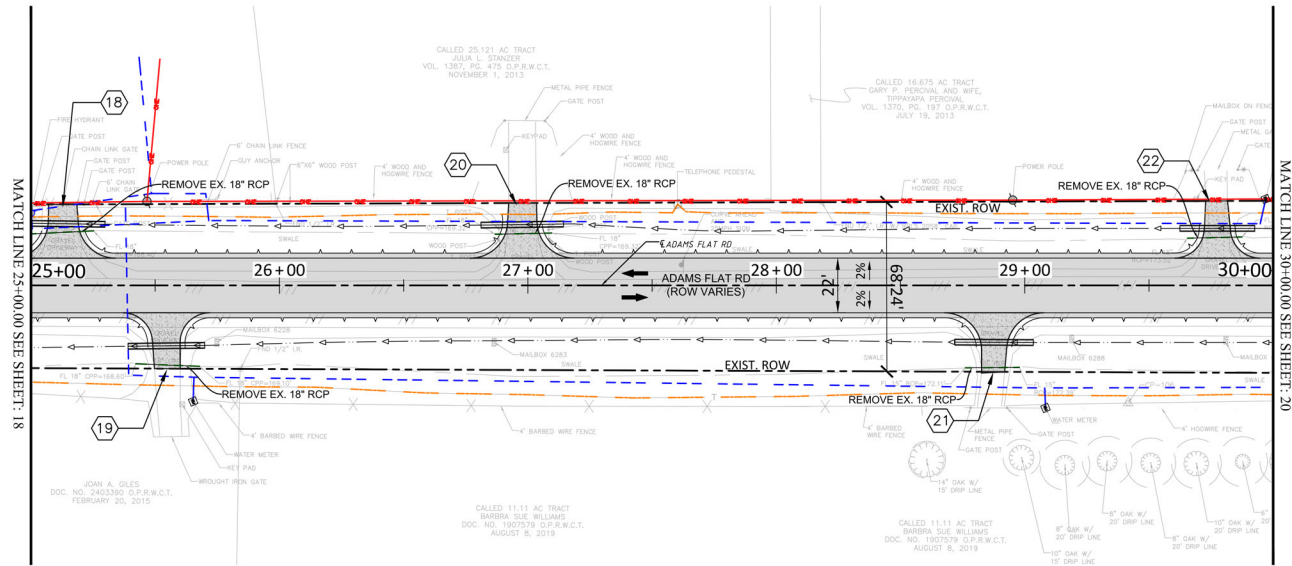
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 20+00 TO STA. 25+00
(SHEET 5 OF 20)

| DN: | CONT: | SECT: | JOB: | ROAD: |
|--------|-------|-------|---------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST: | | COUNTY: | SHEET NO. |
| CK DW: | | | WALLER | 18 |



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

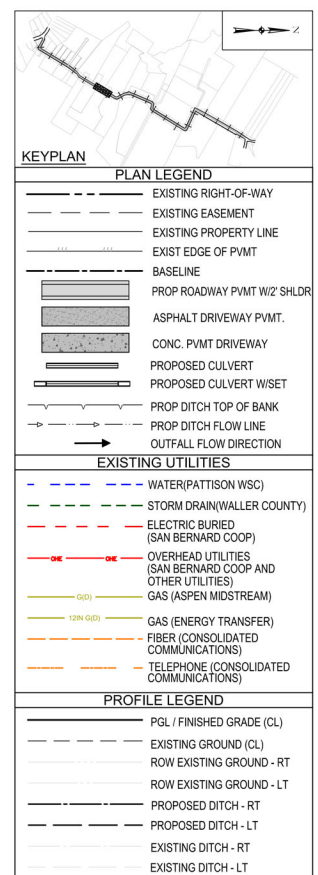
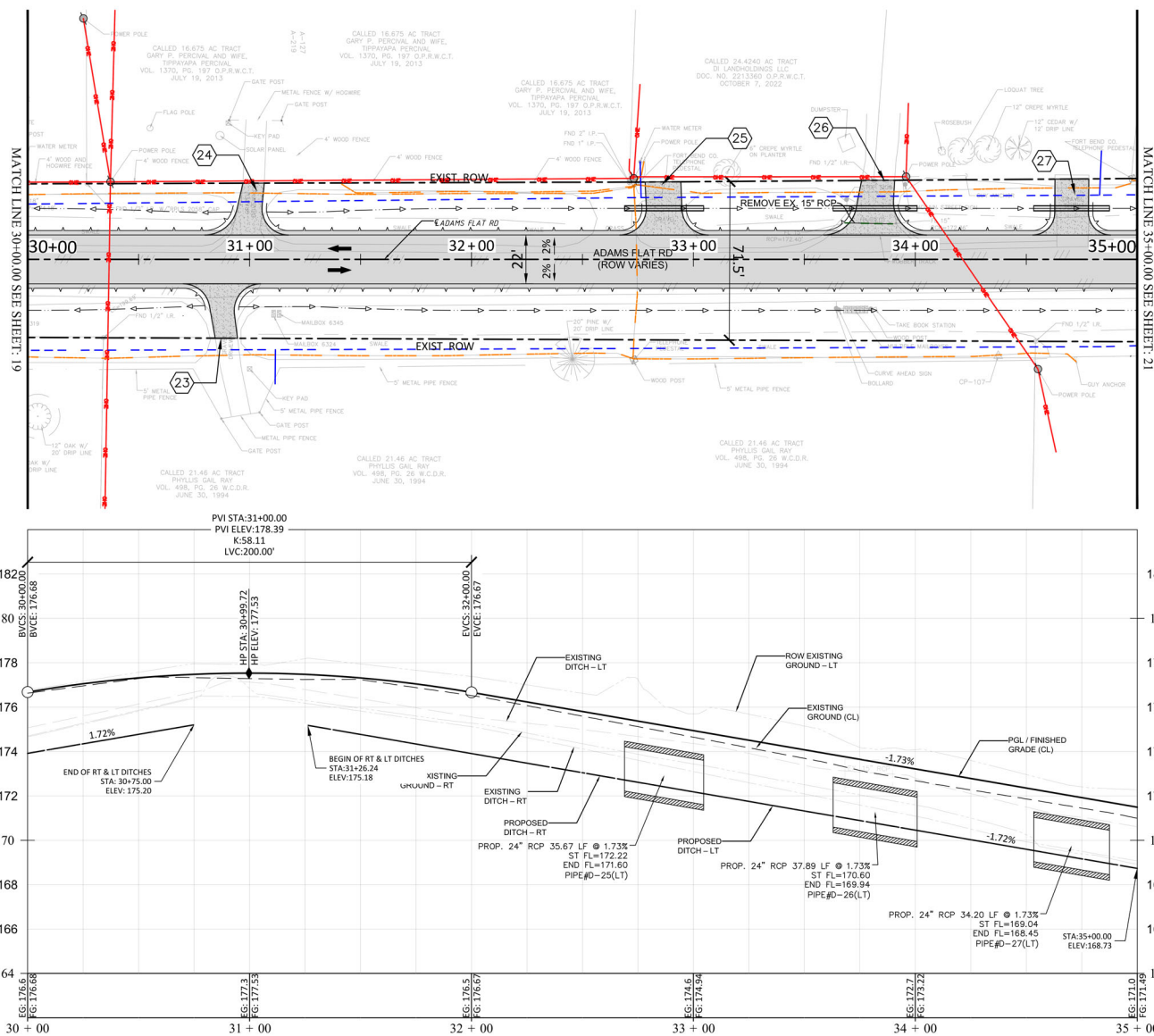
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 25+00 TO STA. 30+00
(SHEET 6 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 19 |



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.

HORIZONTAL SCALE 1"=50' VERTICAL SCALE 1"=5'

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

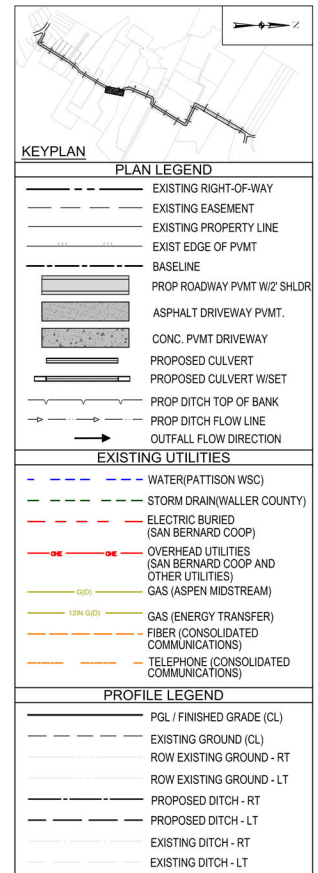
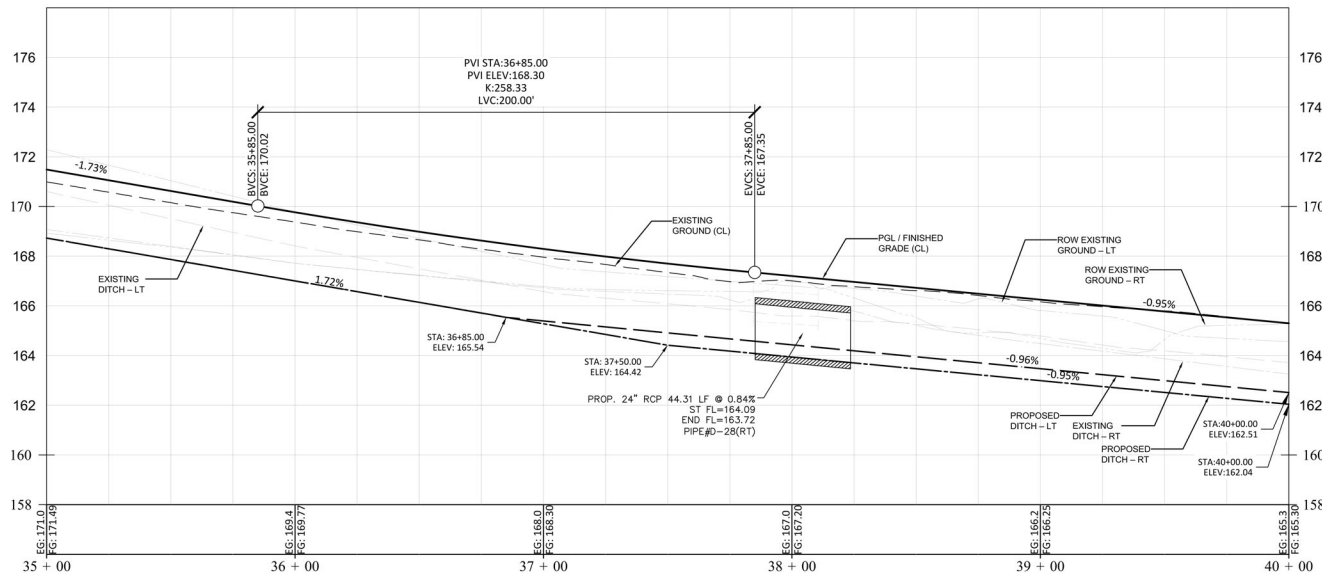
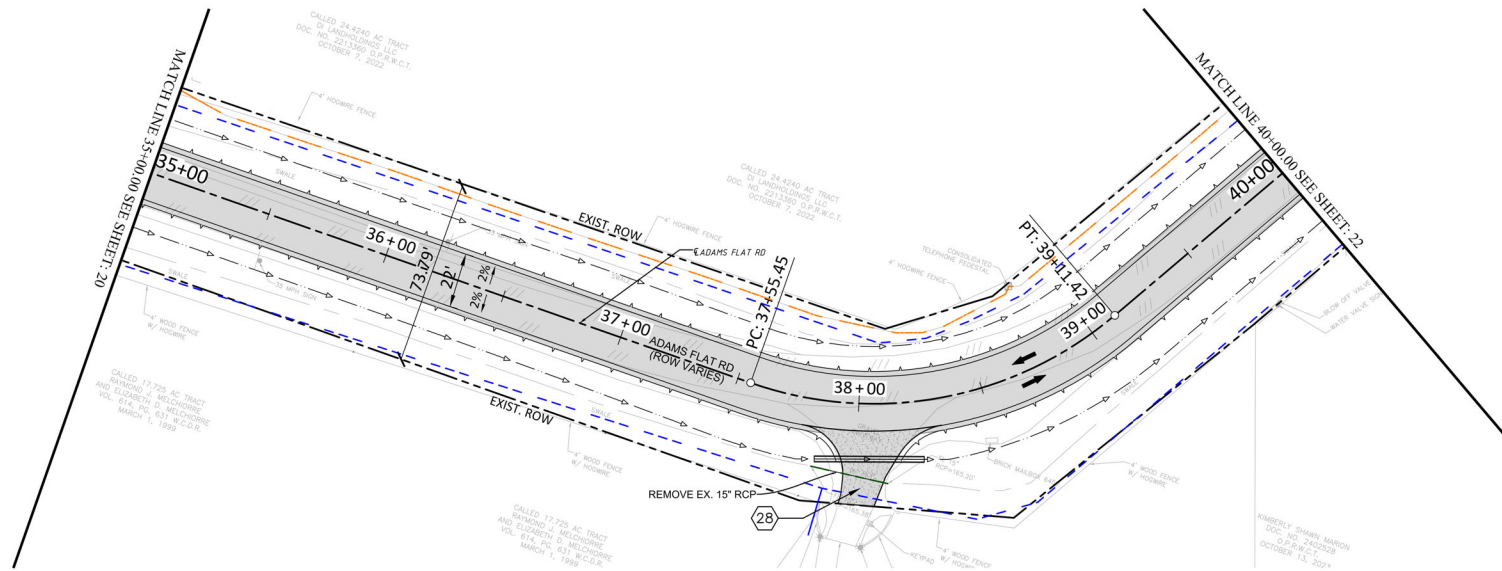
WALLER COUNTY
ENGINEERING DEPARTMENT



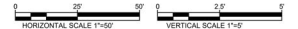
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 30+00 TO STA. 35+00
(SHEET 7 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 20 |



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



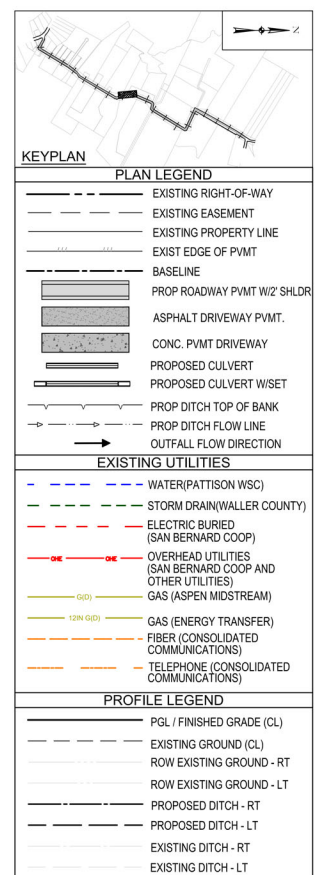
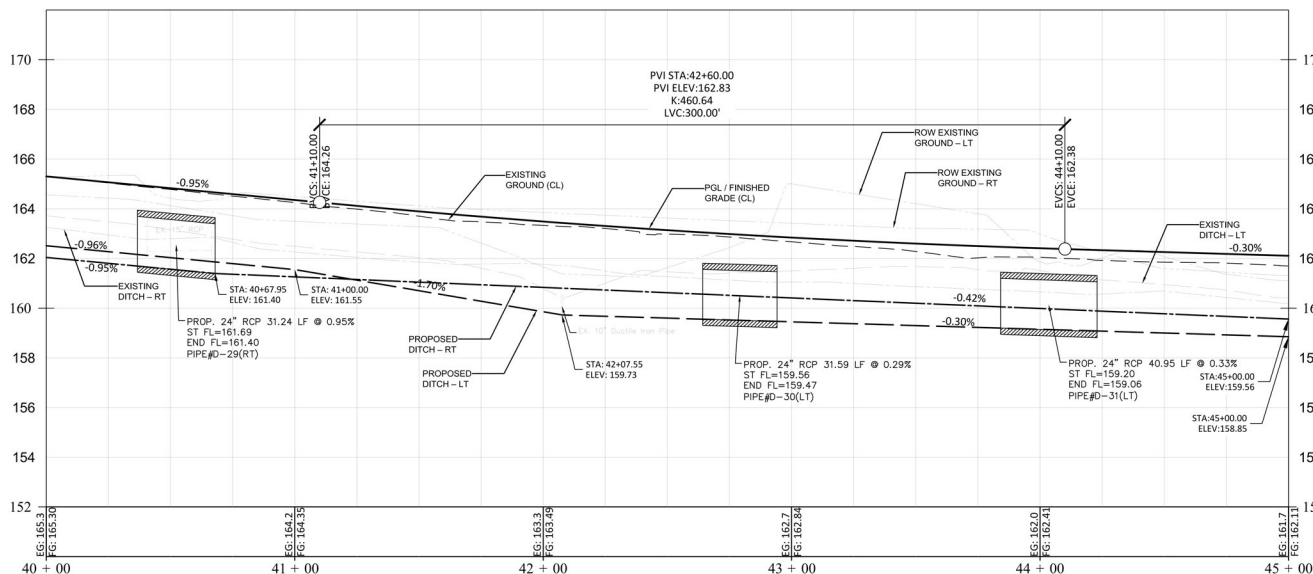
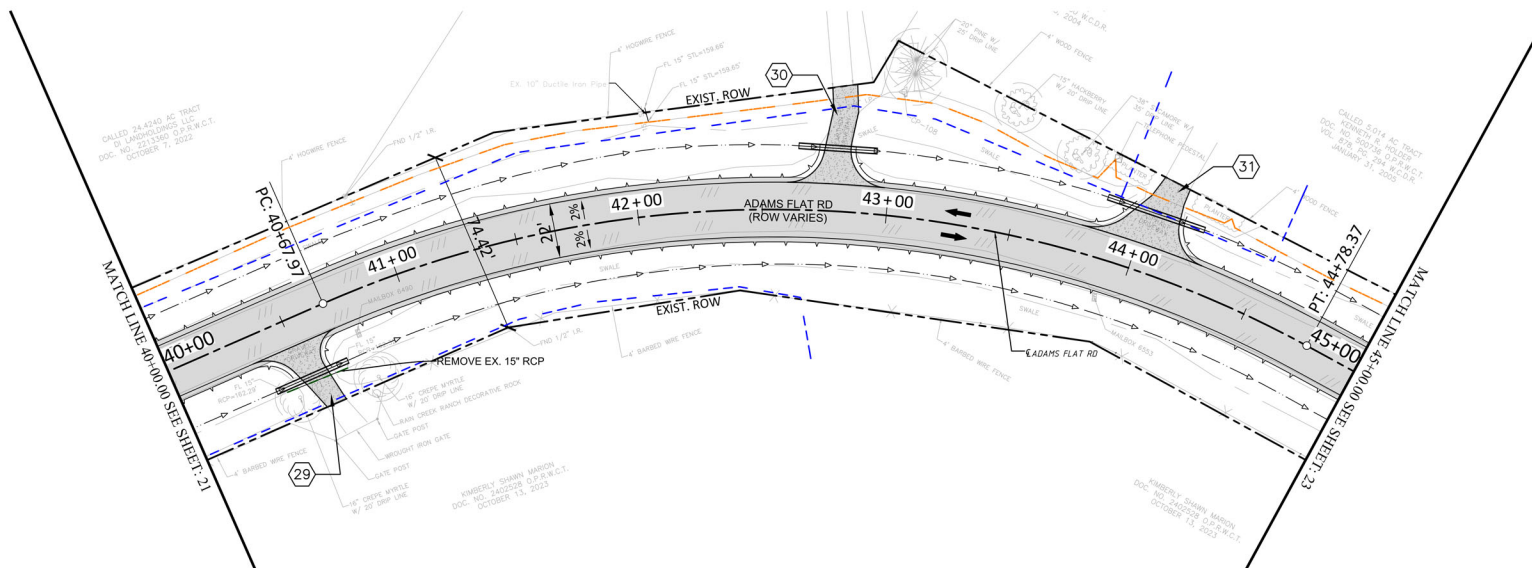
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



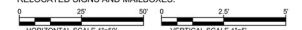
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 35+00 TO STA. 40+00
(SHEET 8 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 21 |

PLOT DATE: 5/20/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103_Sheets\103_Sheet\103_Base.dwg



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



| REV NO. | DATE | DESCRIPTION | BY |
|---------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

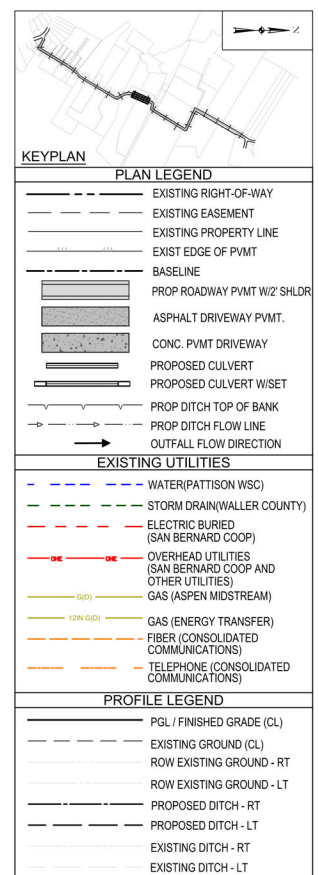
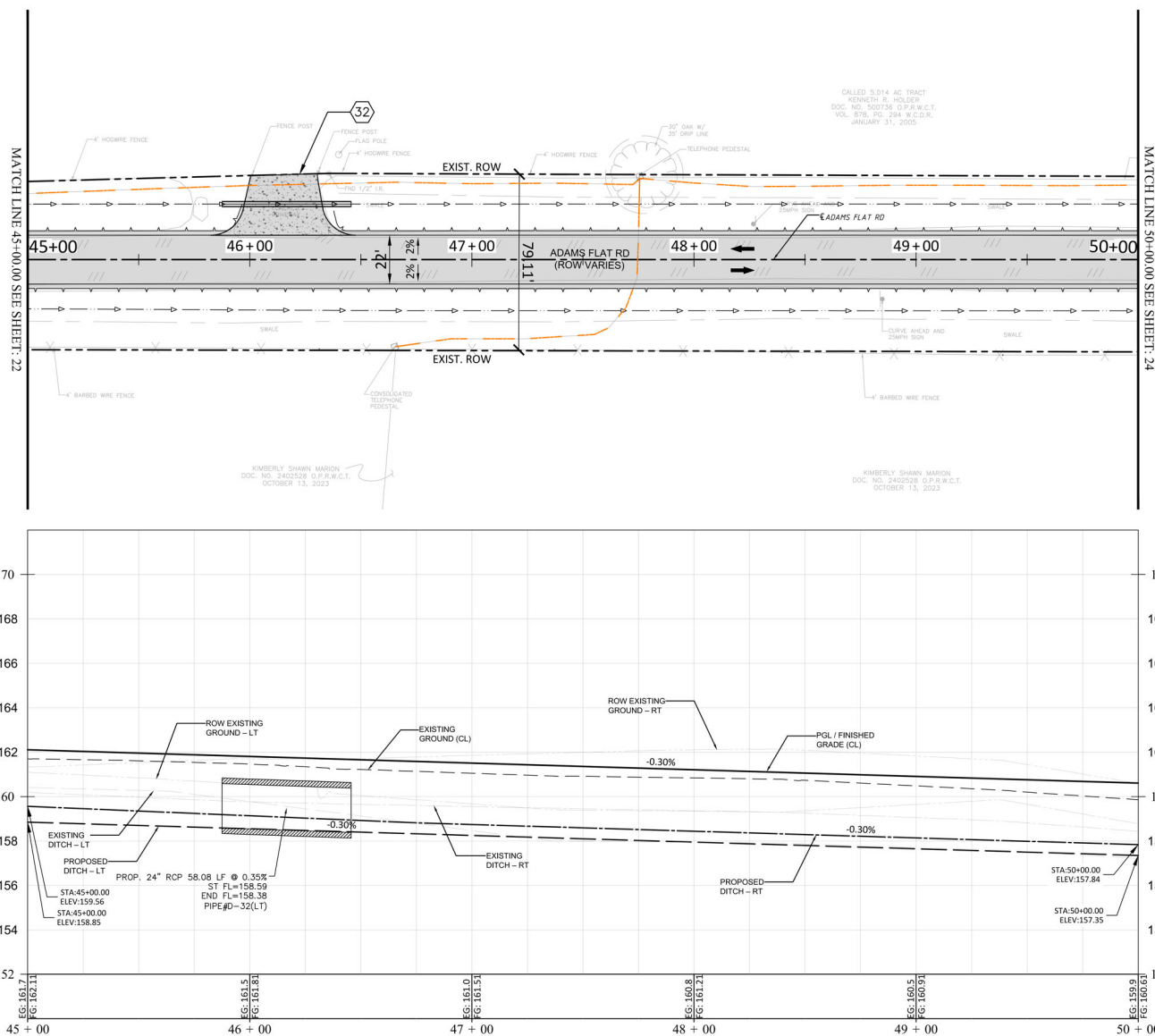


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 40+00 TO STA. 45+00
(SHEET 9 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-----------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | SHEET NO. | |
| CK DW: | | WALLER | 22 | |

PLOT DATE: 5/20/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103-Sheets\MFL_P1_BASE.dwg



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.

HORIZONTAL SCALE 1"=50'

VERTICAL SCALE 1"=5'

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

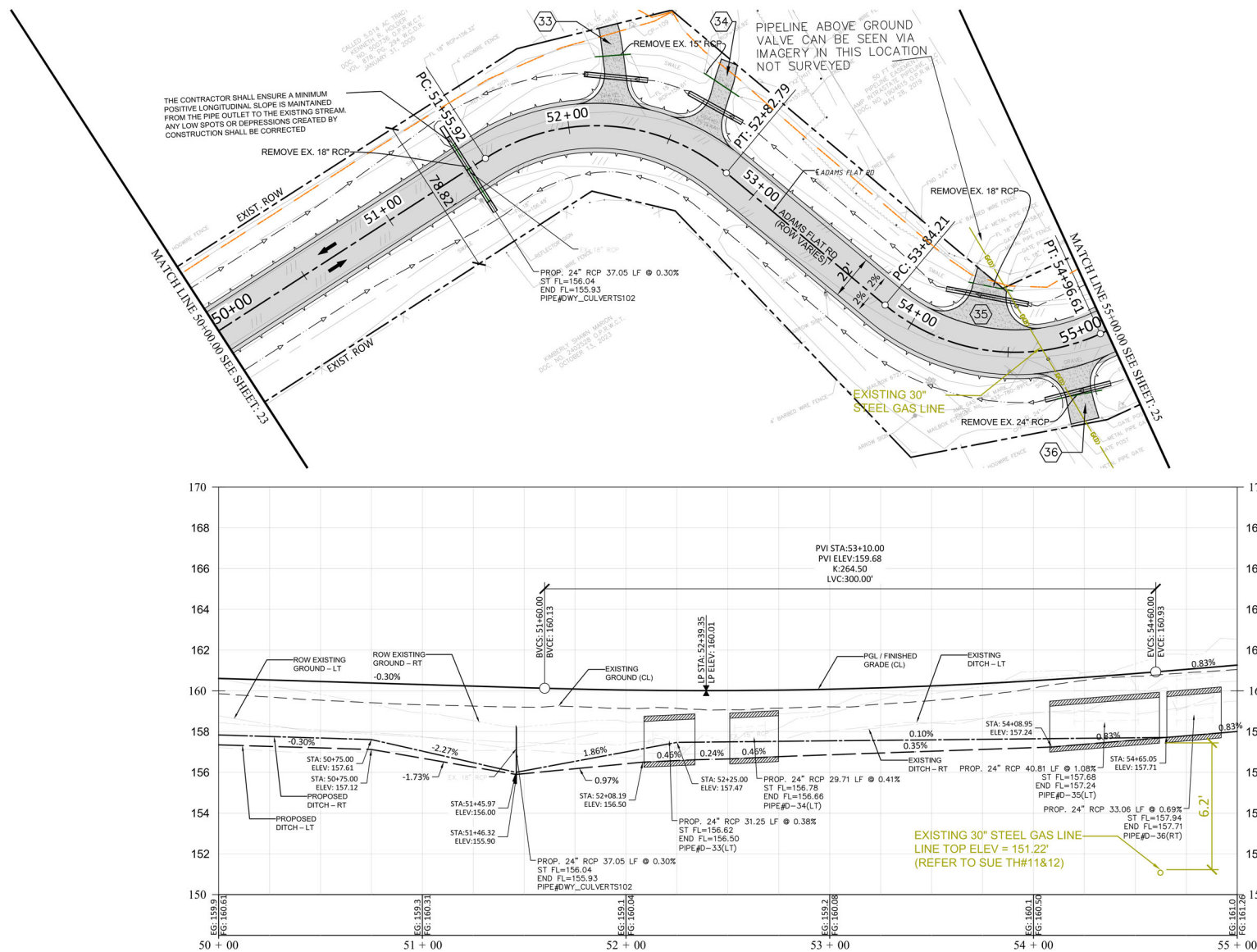


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 45+00 TO STA. 45+00
(SHEET 10 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 23 |

PLOT DATE: 5/30/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\100_Sheets\MFL_P1_BASE.dwg



KEYPLAN

PLAN LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- EXIST EDGE OF PVMT
- BASELINE
- PROP ROADWAY PVMT W/2 SHLDR
- ASPHALT DRIVEWAY PVMT
- CONC. PVMT DRIVEWAY
- PROPOSED CULVERT
- PROPOSED CULVERT W/SET
- PROP DITCH TOP OF BANK
- PROP DITCH FLOW LINE
- OUTFALL FLOW DIRECTION

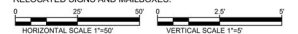
EXISTING UTILITIES

- WATER (PATTISON WSC)
- STORM DRAIN (WALLER COUNTY)
- ELECTRIC BURIED (SAN BERNARD COOP)
- OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES)
- GAS (ASPEN MIDSTREAM)
- GAS (ENERGY TRANSFER)
- FIBER (CONSOLIDATED COMMUNICATIONS)
- TELEPHONE (CONSOLIDATED COMMUNICATIONS)

PROFILE LEGEND

- PGL / FINISHED GRADE (CL)
- EXISTING GROUND (CL)
- ROW EXISTING GROUND - RT
- ROW EXISTING GROUND - LT
- PROPOSED DITCH - RT
- PROPOSED DITCH - LT
- EXISTING DITCH - RT
- EXISTING DITCH - LT

- NOTES:**
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

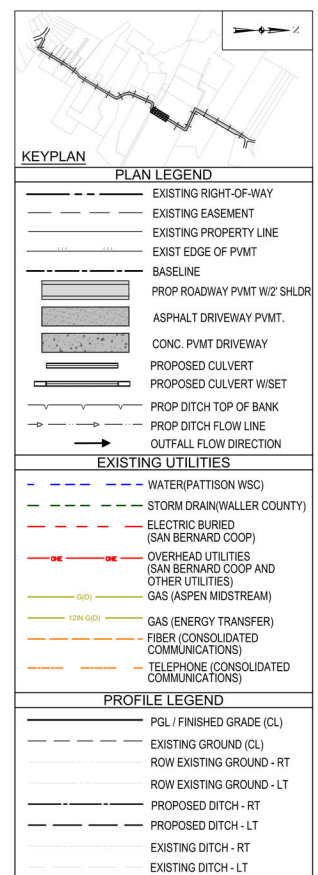
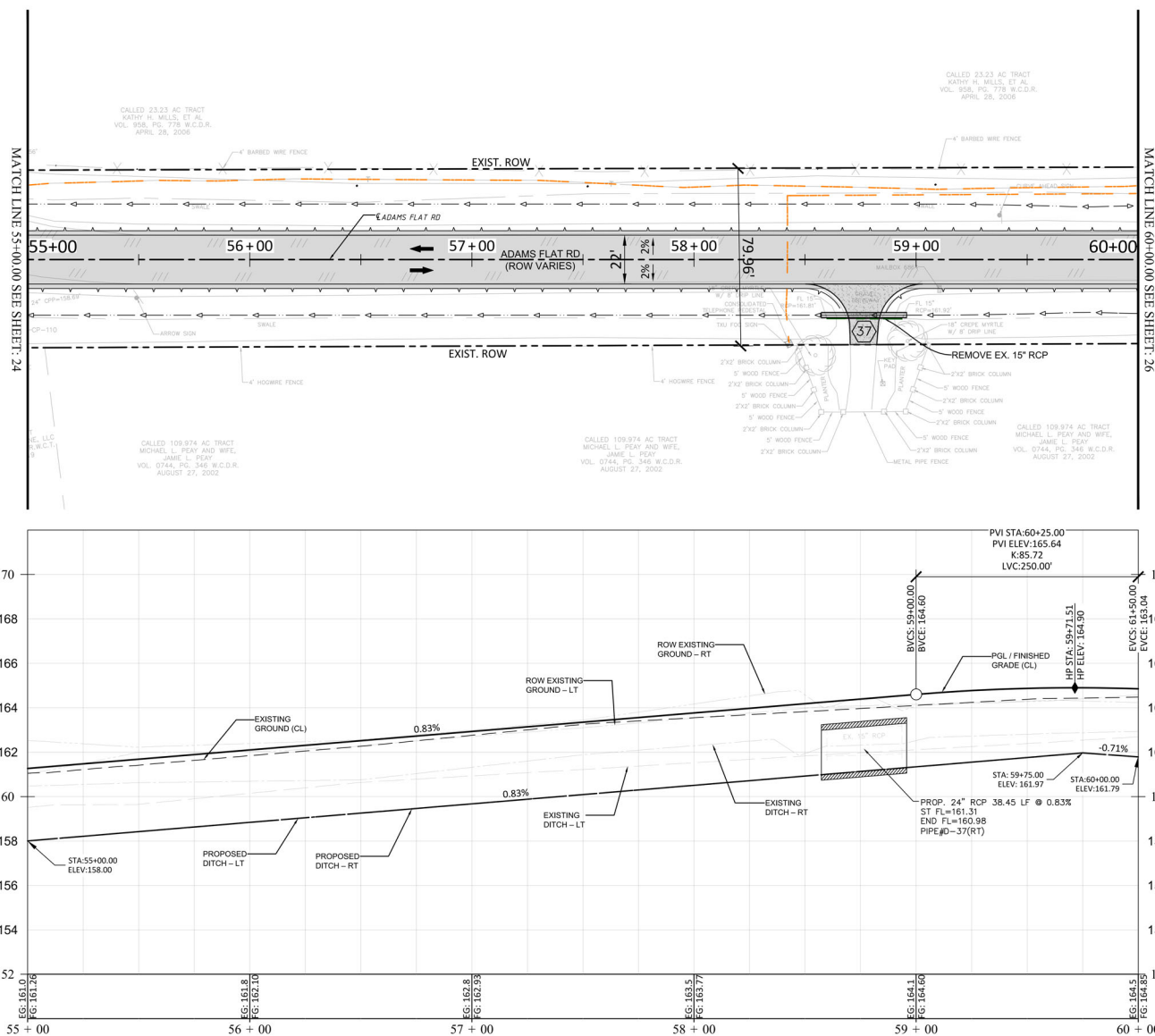


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 50+00 TO STA. 55+00
(SHEET 11 OF 20)

| DN: | CONT: | SECT: | JOB: | ROAD: |
|--------|-------|---------|-----------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST: | COUNTY: | SHEET NO. | |
| CK DW: | | WALLER | 24 | |

PLOT DATE: 5/20/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103_Sheets\MFL_P2_BASE.dwg



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

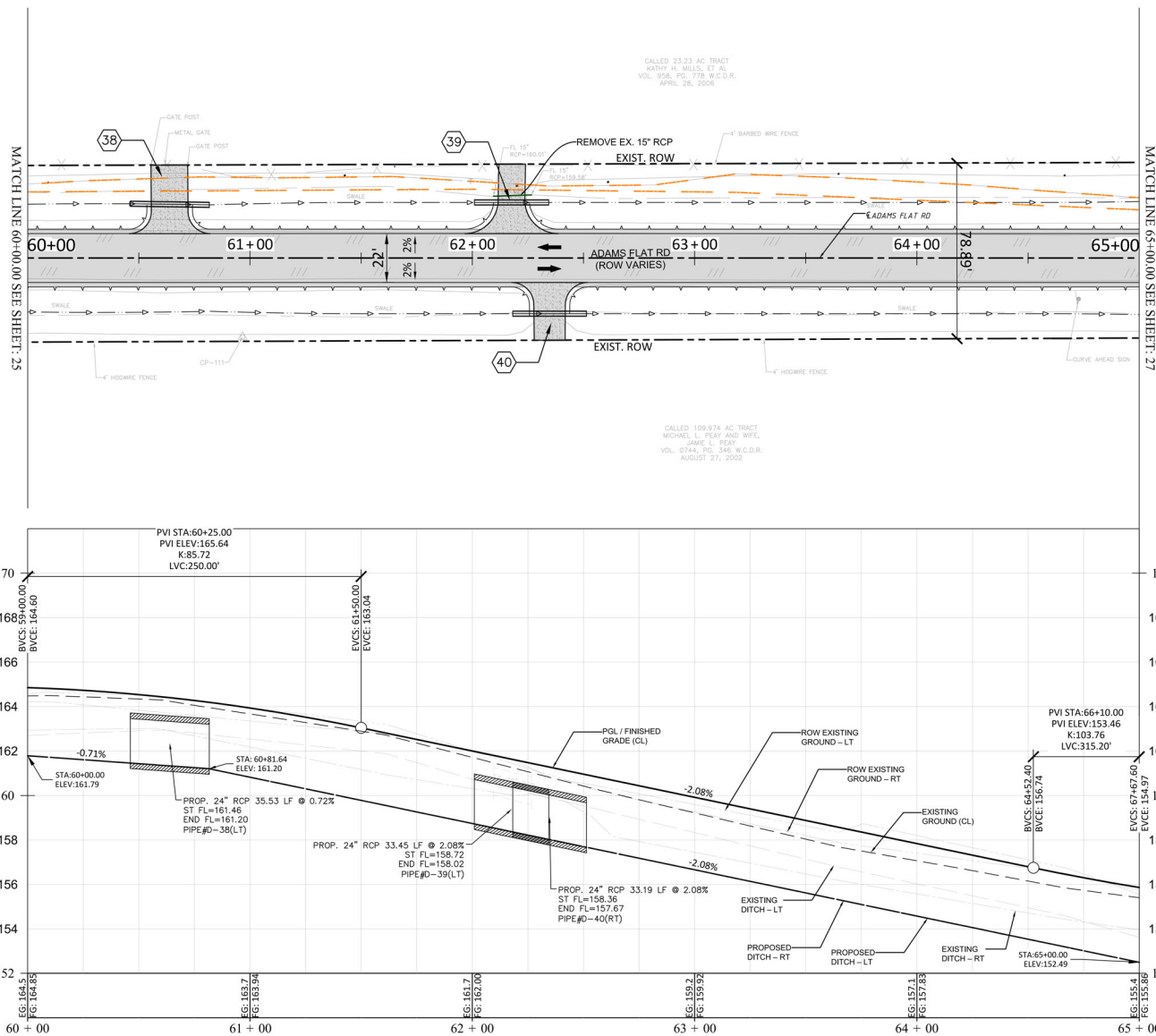


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 55+00 TO STA. 60+00
(SHEET 12 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 25 |

PLOT DATE: 5/20/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103_Sheets\MFL_P2_BASE.dwg



KEYPLAN

PLAN LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- EXIST. EDGE OF PVMT
- BASELINE
- PROP ROADWAY PVMT W/2' SHLDR
- ASPHALT DRIVEWAY PVMT.
- CONC. PVMT DRIVEWAY
- PROPOSED CULVERT
- PROPOSED CULVERT W/SET
- PROP DITCH TOP OF BANK
- PROP DITCH FLOW LINE
- OUTFALL FLOW DIRECTION

EXISTING UTILITIES

- WATER (PATTISON WSC)
- STORM DRAIN (WALLER COUNTY)
- ELECTRIC BURIED (SAN BERNARD COOP)
- OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES)
- GAS (ASPEN MIDSTREAM)
- GAS (ENERGY TRANSFER)
- FIBER (CONSOLIDATED COMMUNICATIONS)
- TELEPHONE (CONSOLIDATED COMMUNICATIONS)

PROFILE LEGEND

- PGL / FINISHED GRADE (CL)
- EXISTING GROUND (CL)
- ROW EXISTING GROUND - RT
- ROW EXISTING GROUND - LT
- PROPOSED DITCH - RT
- PROPOSED DITCH - LT
- EXISTING DITCH - RT
- EXISTING DITCH - LT

NOTES:

- REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
- REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
- REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
- REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
- REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.

100% SUBMITTAL

DATE: 5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



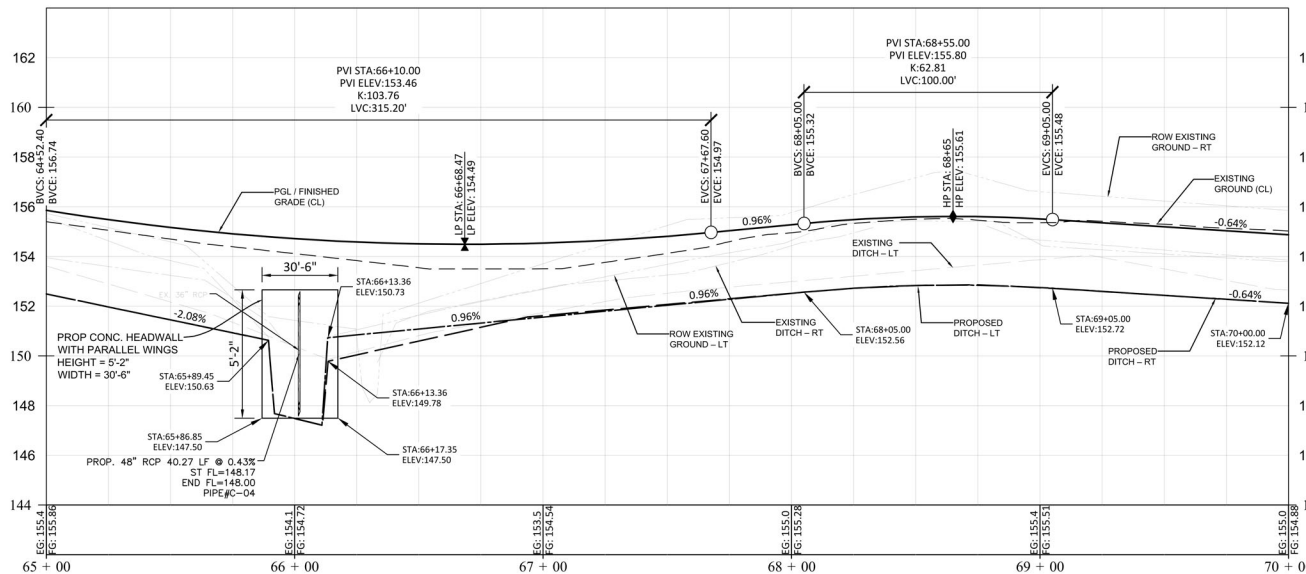
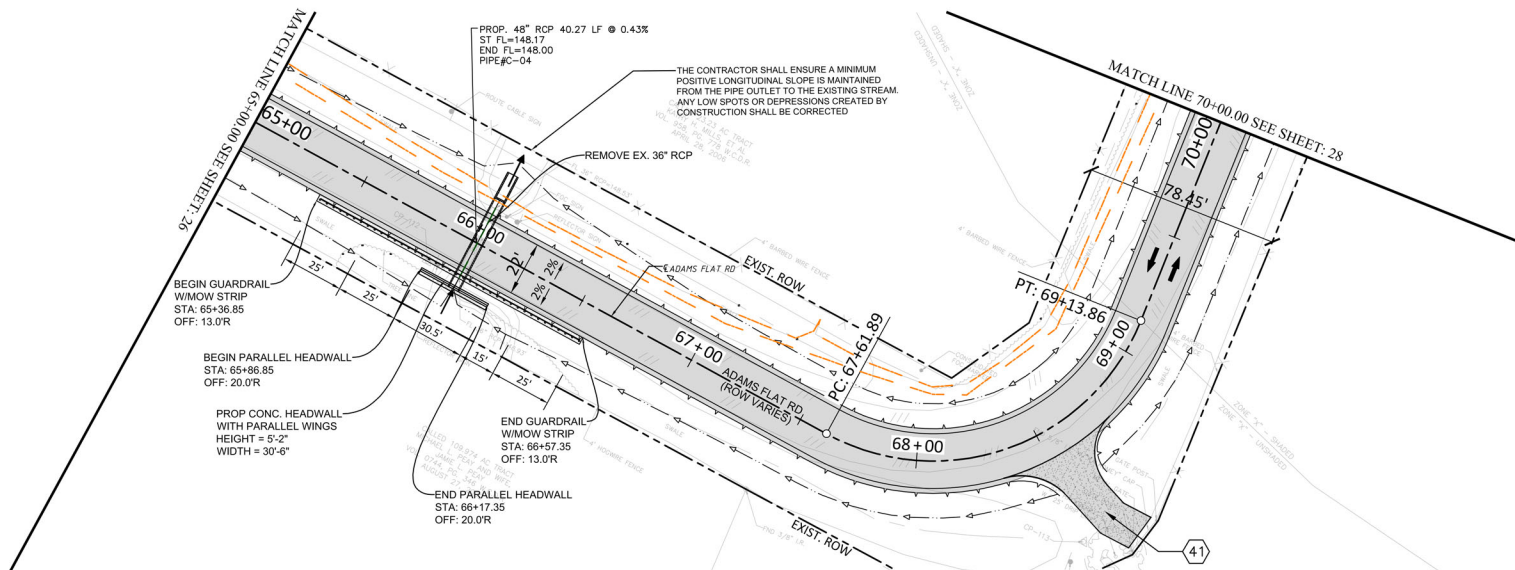
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 60+00 TO STA. 65+00
(SHEET 13 OF 20)

N

| | | | | | |
|--------|------|--------|-------|------------|-----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO. |
| CK DW: | | WALLER | | | 26 |

PLOT DATE: 6/4/2026 10:10 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_PCT3\5-Final Design\103_Sheets\WFL_P2_BASE.dwg



KEYPLAN

PLAN LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- EXIST EDGE OF PVMT
- BASELINE
- PROP ROADWAY PVMT W/2 SHLDR
- ASPHALT DRIVEWAY PVMT
- CONC. PVMT DRIVEWAY
- PROPOSED CULVERT
- PROPOSED CULVERT WISIT
- PROP DITCH TOP OF BANK
- PROP DITCH FLOW LINE
- OUTFALL FLOW DIRECTION

EXISTING UTILITIES

- WATER (PATTISON WSC)
- STORM DRAIN (WALLER COUNTY)
- ELECTRIC BURIED (SAN BERNARD COOP)
- OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES)
- GAS (ENERGY TRANSFER)
- FIBER (CONSOLIDATED COMMUNICATIONS)
- TELEPHONE (CONSOLIDATED COMMUNICATIONS)

PROFILE LEGEND

- PGL / FINISHED GRADE (CL)
- EXISTING GROUND (CL)
- ROW EXISTING GROUND - RT
- ROW EXISTING GROUND - LT
- PROPOSED DITCH - RT
- PROPOSED DITCH - LT
- EXISTING DITCH - RT
- EXISTING DITCH - LT

- NOTES:**
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.

HORIZONTAL SCALE 1"=50'

VERTICAL SCALE 1"=5'

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

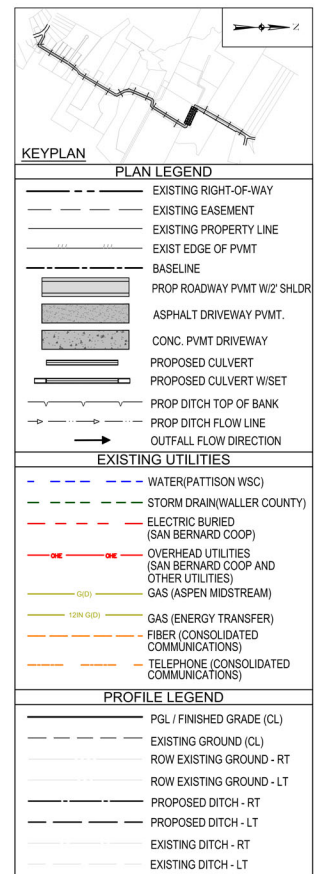
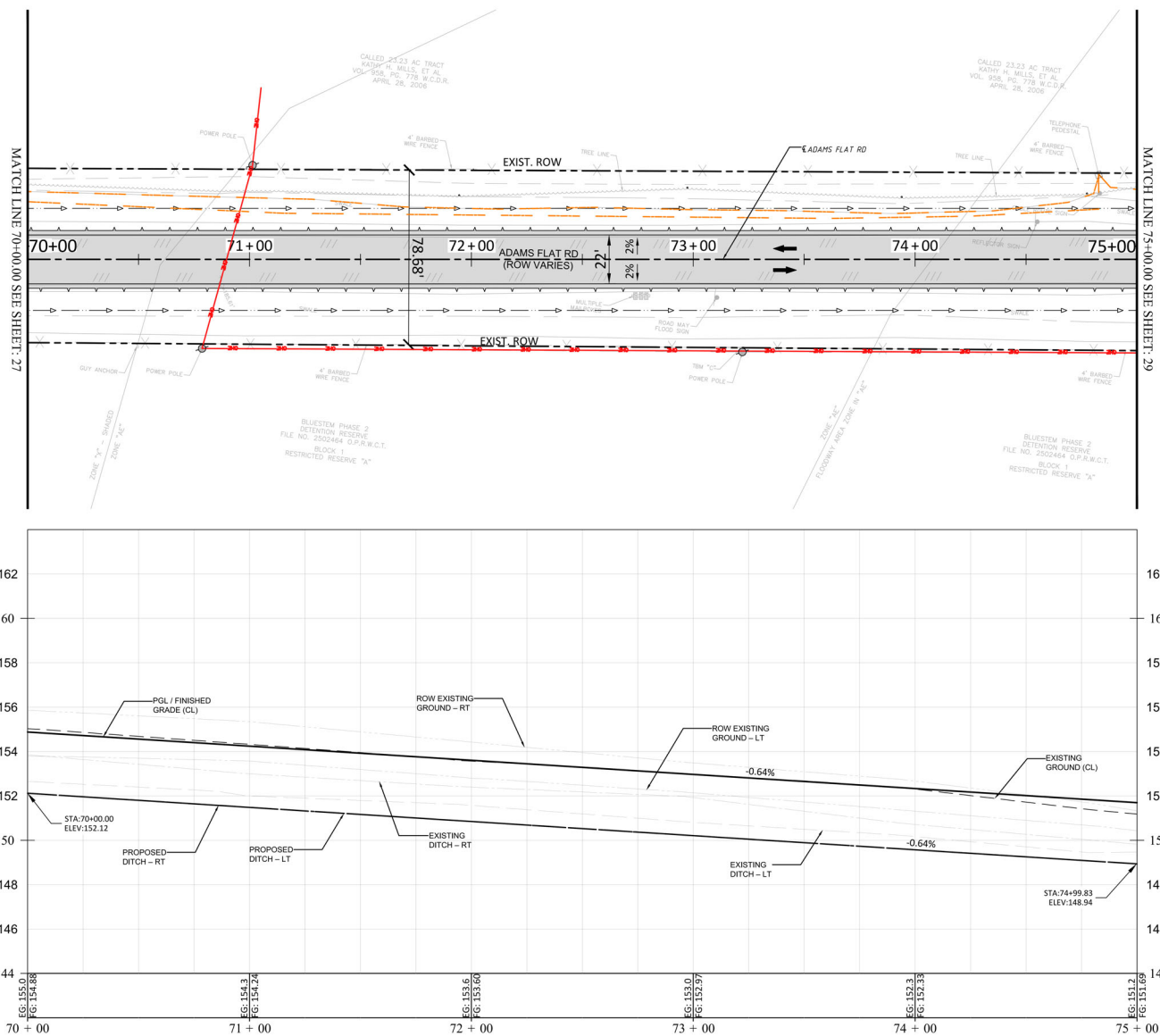
WALLER COUNTY
ENGINEERING DEPARTMENT



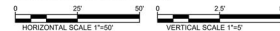
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 65+00 TO STA. 70+00
(SHEET 14 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 27 |



- NOTES:**
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

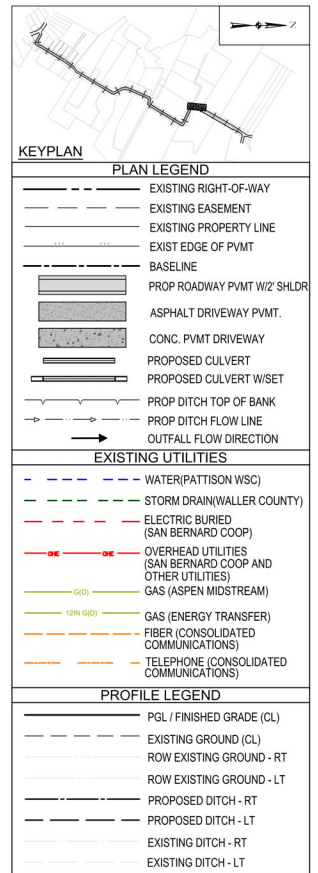
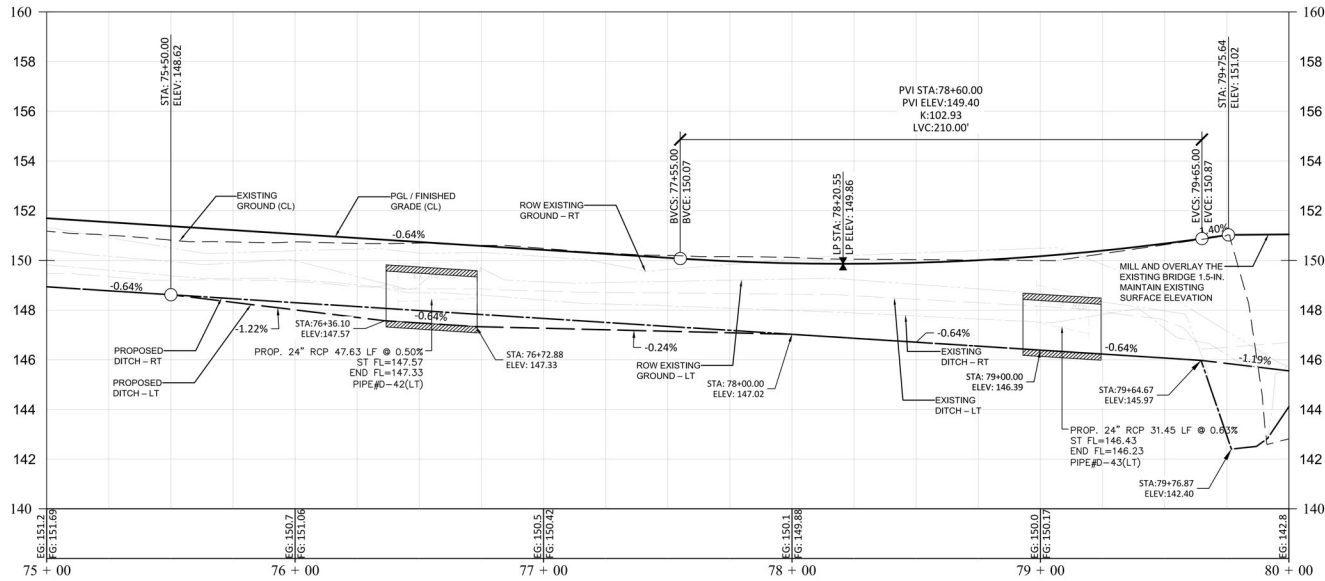
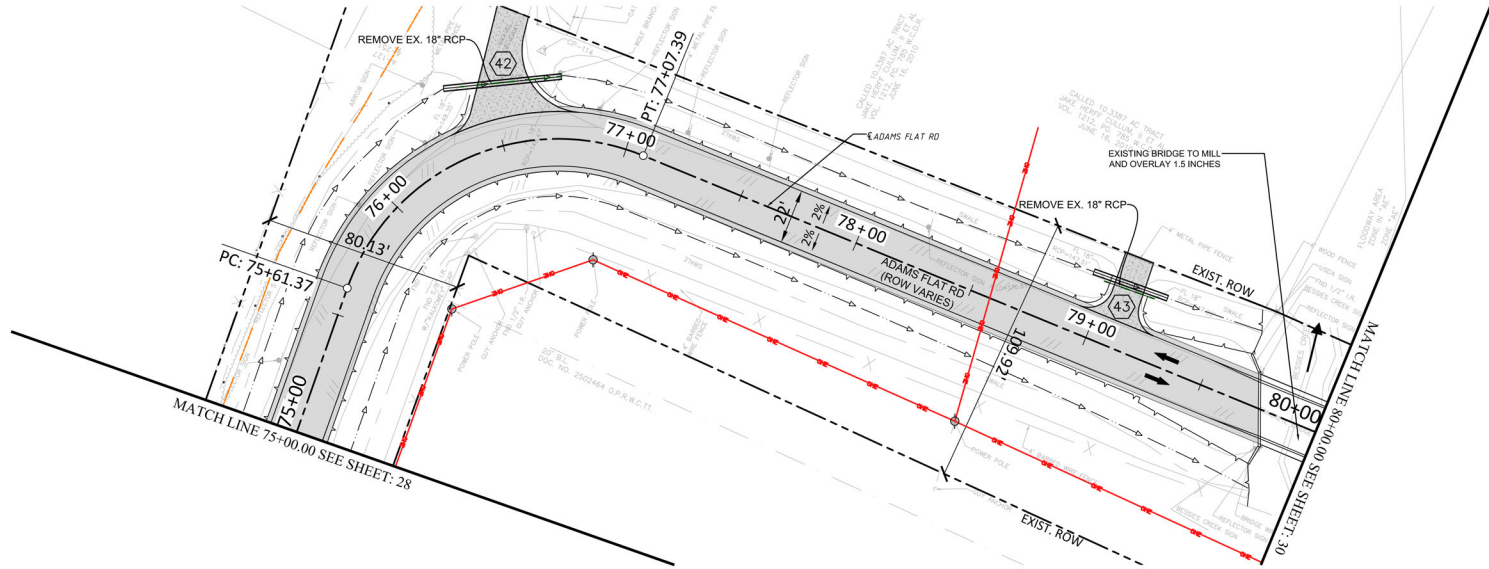


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

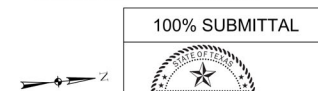
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE: STA. 70+00 TO STA. 75+00
(SHEET 15 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 28 |

PLOT DATE: 5/20/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103_Sheets\MFL_P1_BASE.dwg



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

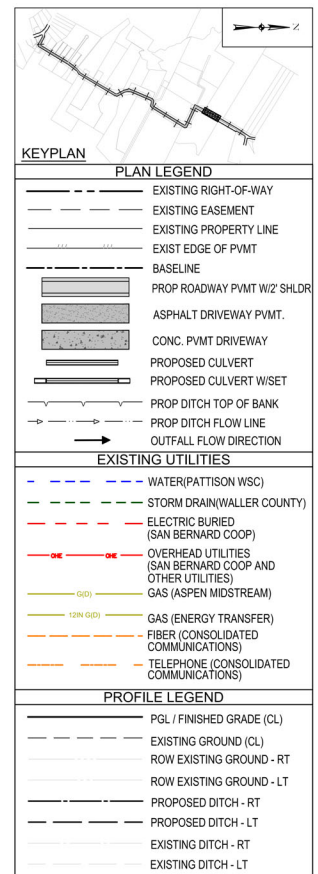
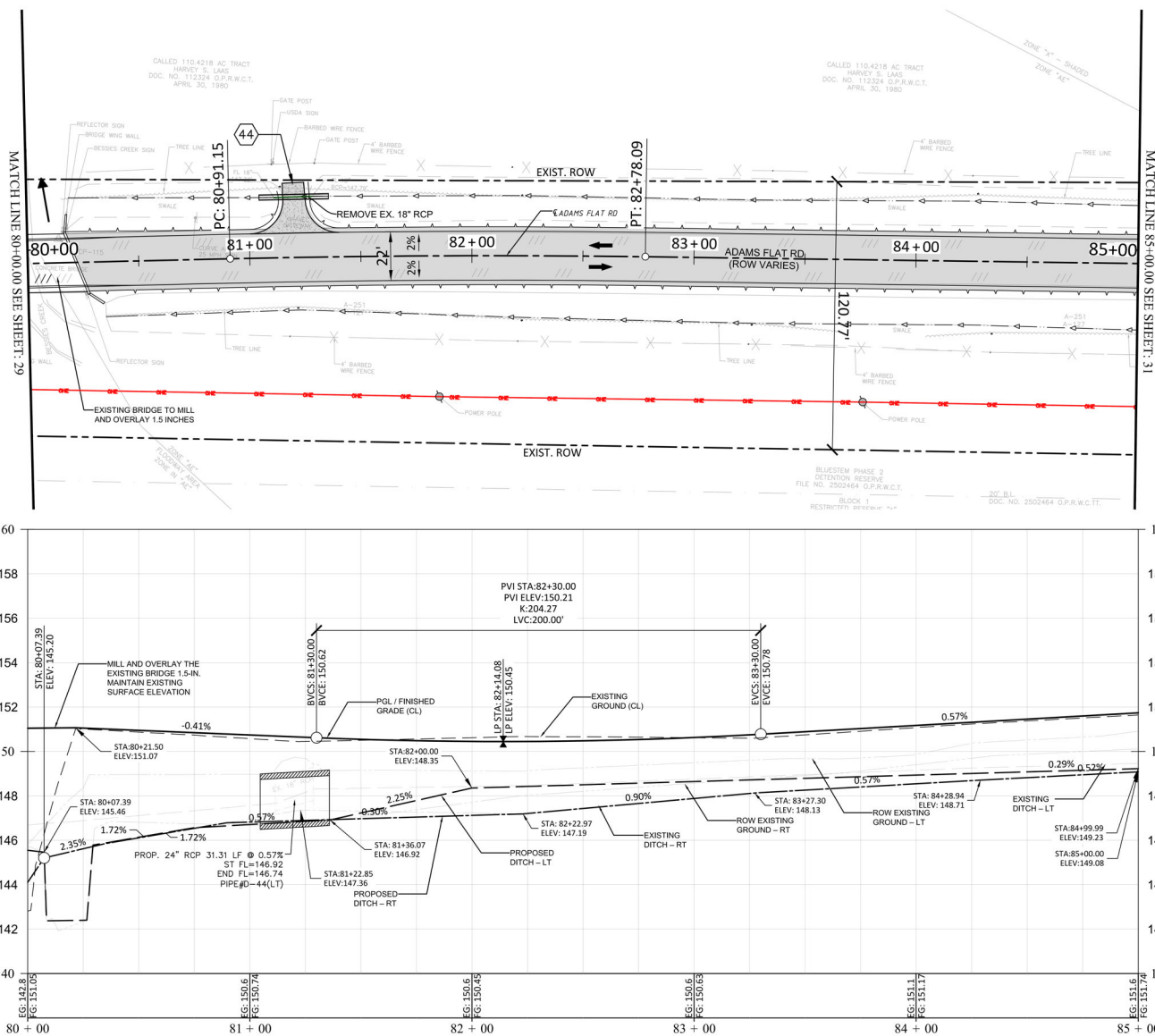


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE: STA. 75+00 TO STA. 80+00
(SHEET 16 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 29 |

PLOT DATE: 5/30/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103_Sheets\MFL_P1_BASE.dwg



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.
- HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=5'

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

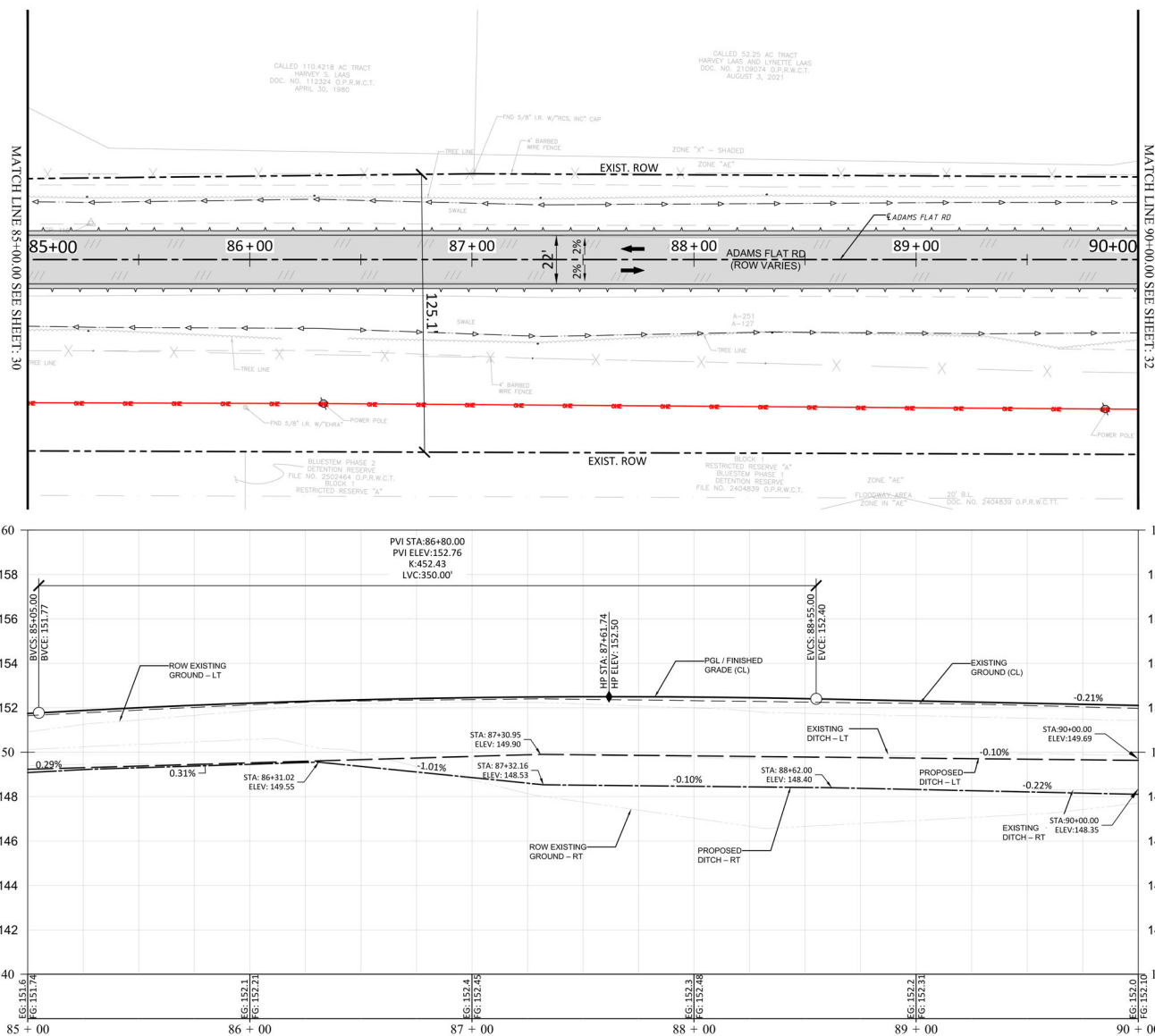


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE: STA. 80+00 TO STA. 85+00
(SHEET 17 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 30 |

PLOT DATE: 5/20/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\100_Sheets\MFL_P1_BASE.dwg



KEYPLAN

PLAN LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- EXIST EDGE OF PVMT
- BASELINE
- PROP ROADWAY PVMT W/2 SHLDR
- ASPHALT DRIVEWAY PVMT
- CONC. PVMT DRIVEWAY
- PROPOSED CULVERT
- PROPOSED CULVERT W/SET
- PROP DITCH TOP OF BANK
- PROP DITCH FLOW LINE
- OUTFALL FLOW DIRECTION

EXISTING UTILITIES

- WATER (PATTISON WSC)
- STORM DRAIN (WALLER COUNTY)
- ELECTRIC BURIED (SAN BERNARD COOP)
- OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES)
- GAS (ASPEN MIDSTREAM)
- GAS (ENERGY TRANSFER)
- FIBER (CONSOLIDATED COMMUNICATIONS)
- TELEPHONE (CONSOLIDATED COMMUNICATIONS)

PROFILE LEGEND

- PGL / FINISHED GRADE (CL)
- EXISTING GROUND (CL)
- ROW EXISTING GROUND - RT
- ROW EXISTING GROUND - LT
- PROPOSED DITCH - RT
- PROPOSED DITCH - LT
- EXISTING DITCH - RT
- EXISTING DITCH - LT

NOTES:

- REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
- REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
- REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
- REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
- REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.

HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=5'

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

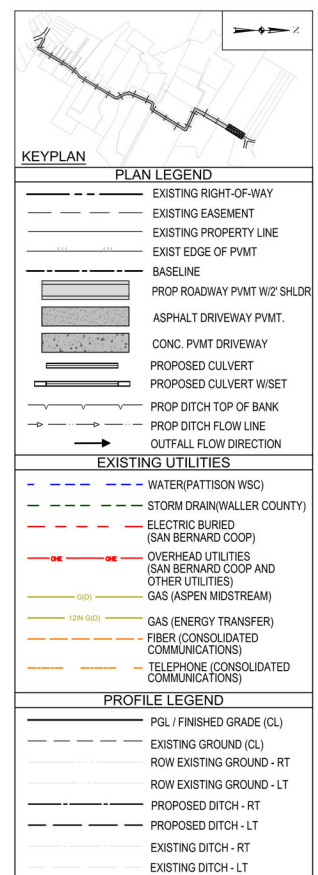
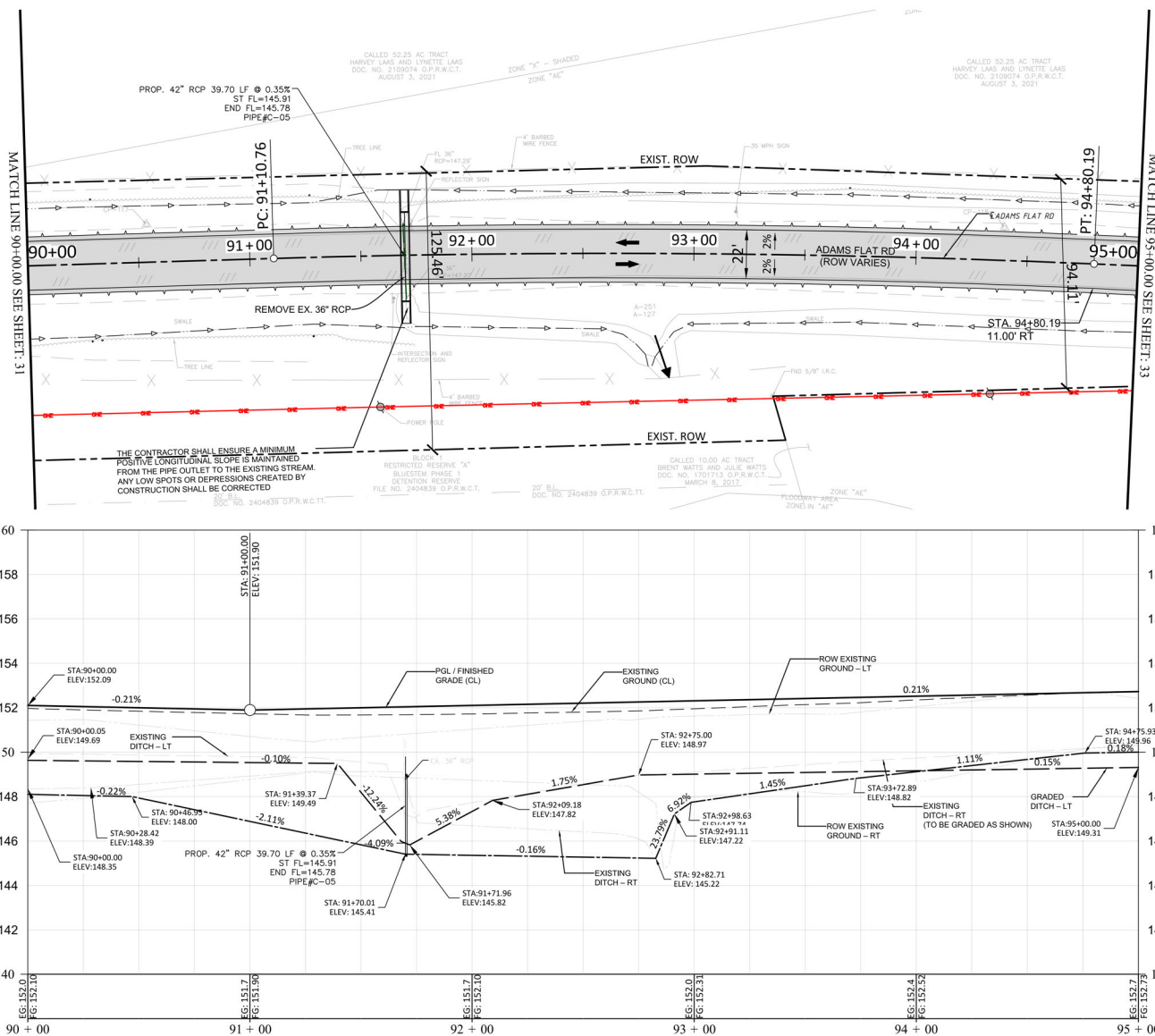


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 85+00 TO STA. 90+00
(SHEET 18 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 31 |

PLOT DATE: 5/30/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_P13\3-5-Final Design\103_Sheets\MFL_P13_BASE.dwg



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

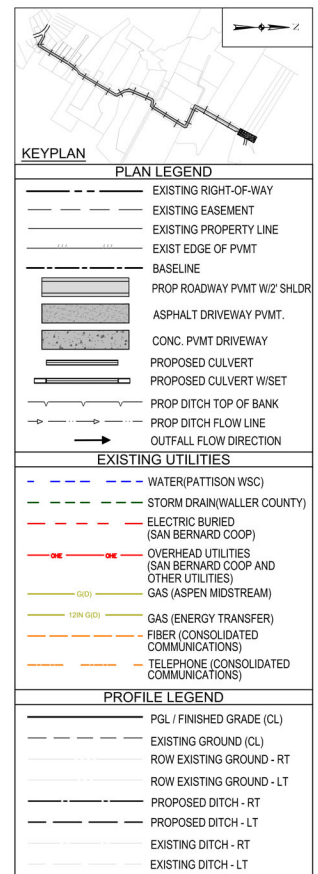
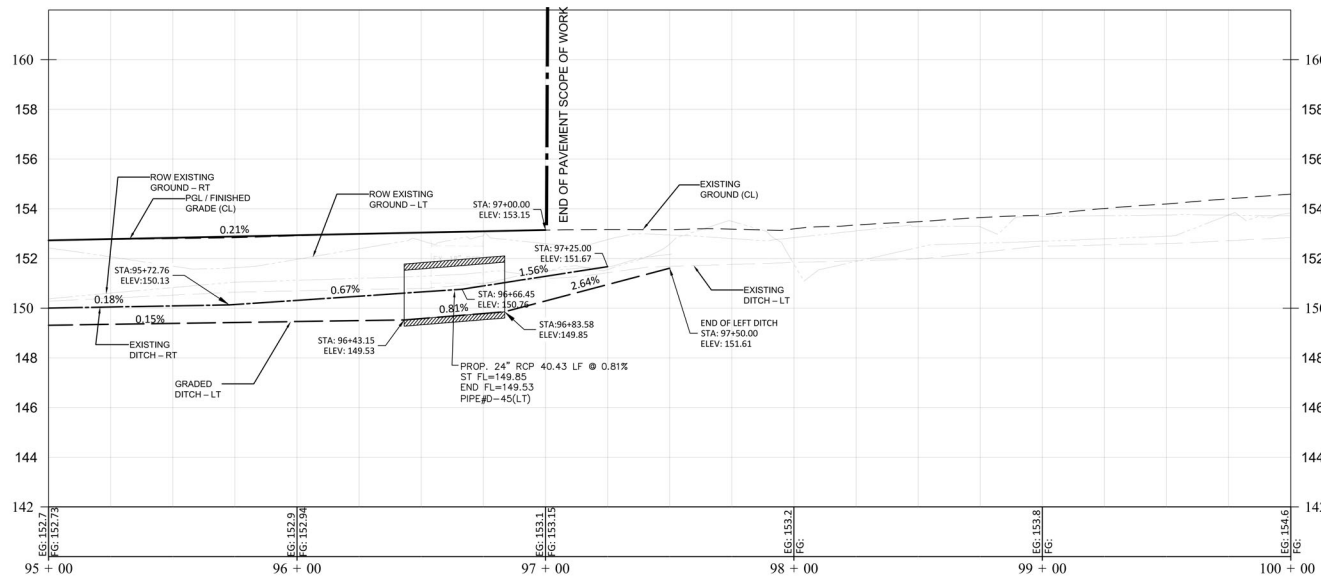
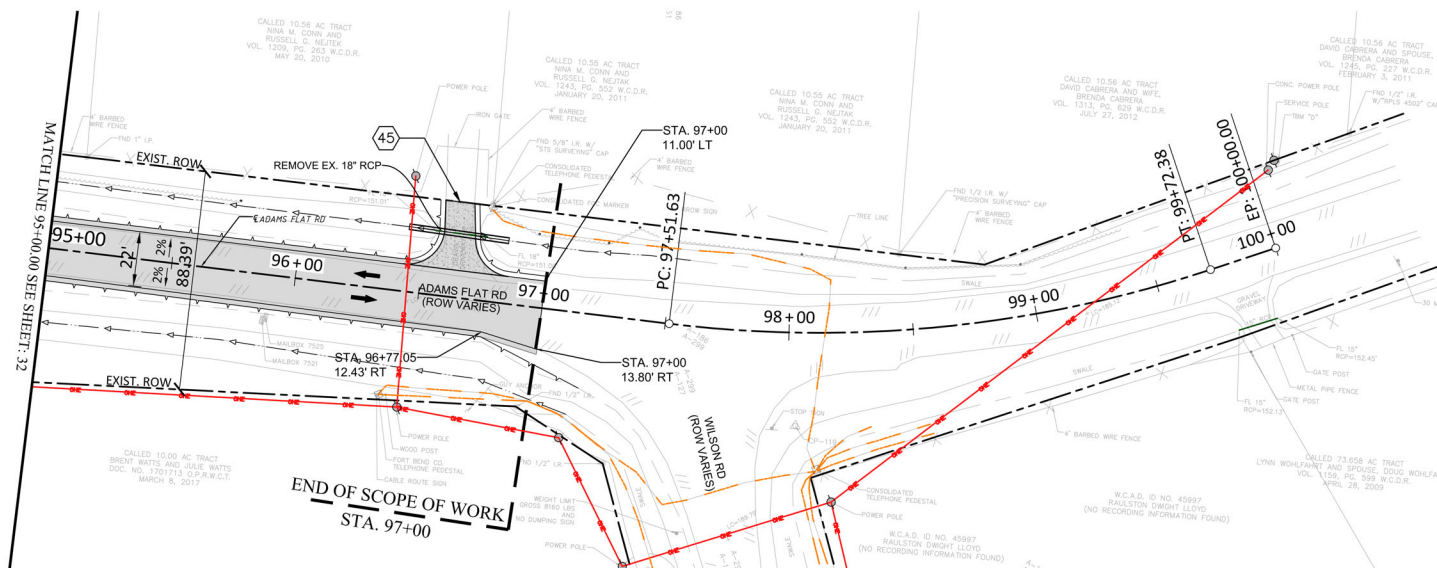
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 90+00 TO STA. 95+00
(SHEET 19 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 32 |



- NOTES:
1. REFER TO HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE DATA AND ALIGNMENT INFORMATION.
 2. REFER TO DRIVEWAY CULVERT TABLE FOR CULVERT DATA.
 3. REFER TO TYPICAL SECTIONS SHEET FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS AND SIDE SLOPES.
 4. REFER TO CROSS SECTIONS FOR EXISTING AND PROPOSED GROUND AND EARTHWORK LIMITS.
 5. REFER TO SIGNING & PAVEMENT MARKING PLANS FOR REMOVED/RELOCATED SIGNS AND MAILBOXES.



100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

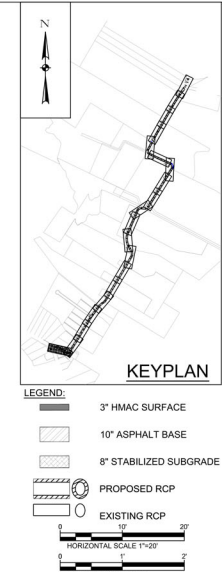
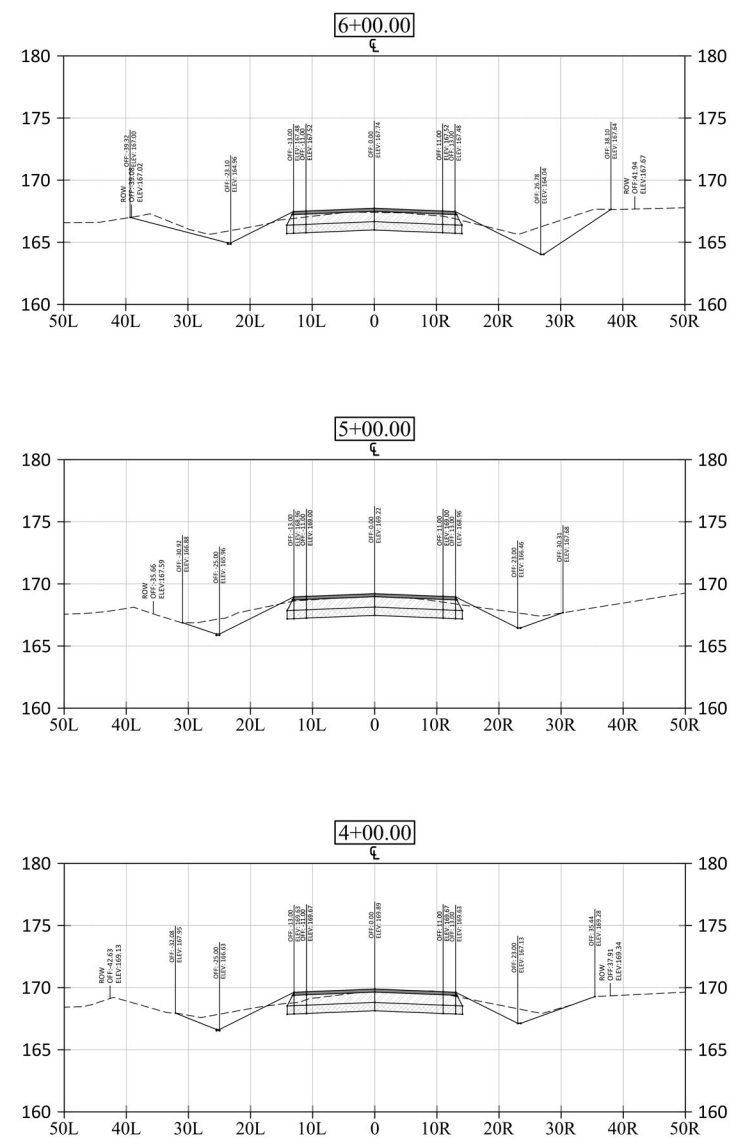
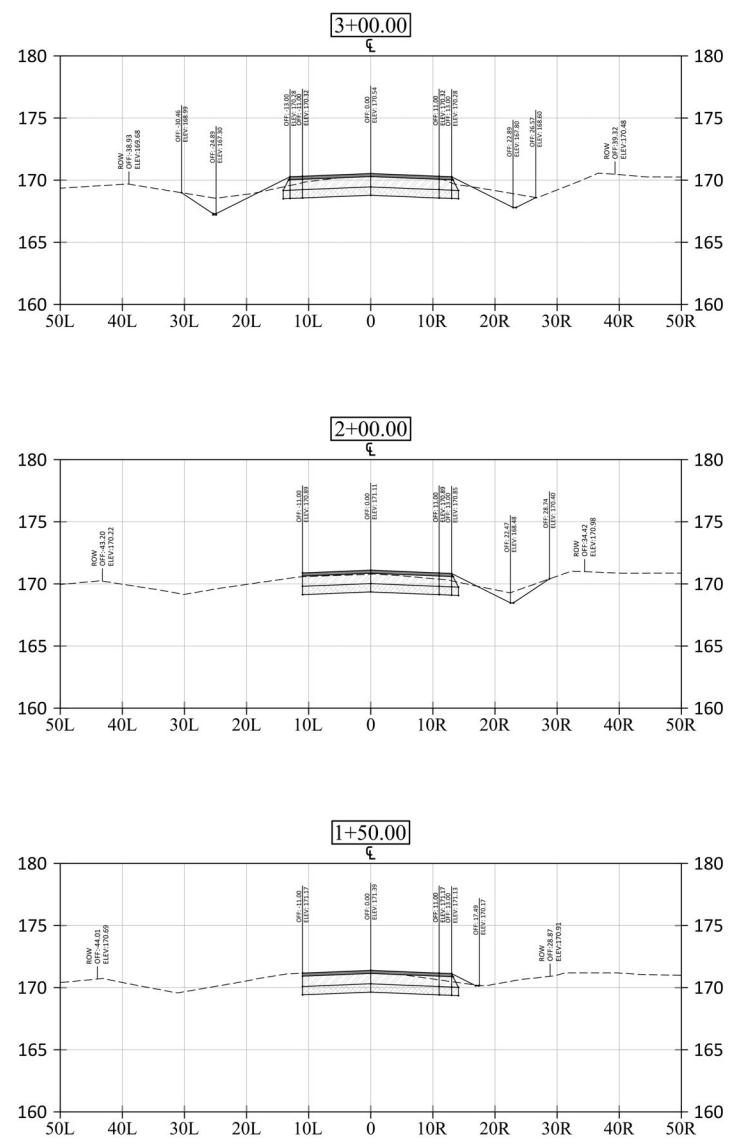


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PLAN & PROFILE STA. 95+00 TO STA. 97+00
(SHEET 20 OF 20)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 33 |

PLOT DATE: 5/20/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC PCT3\5-Final Design\03_Sheets\WFC_BASE.dwg



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

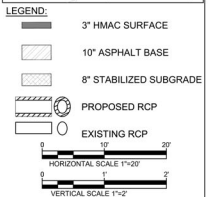
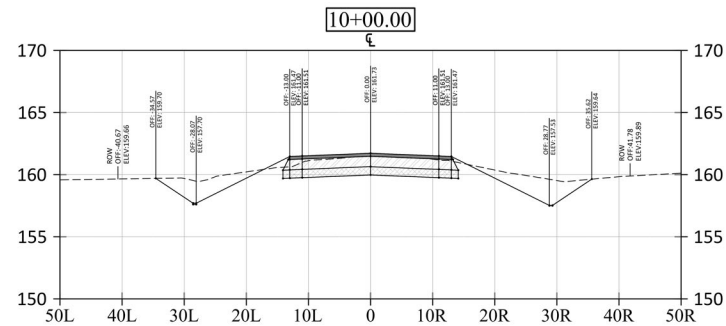
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77002
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 1+50 TO STA. 6+00
(SHEET 1 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 34 |



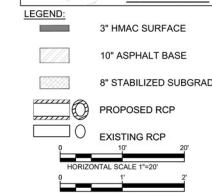
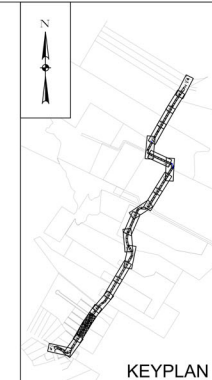
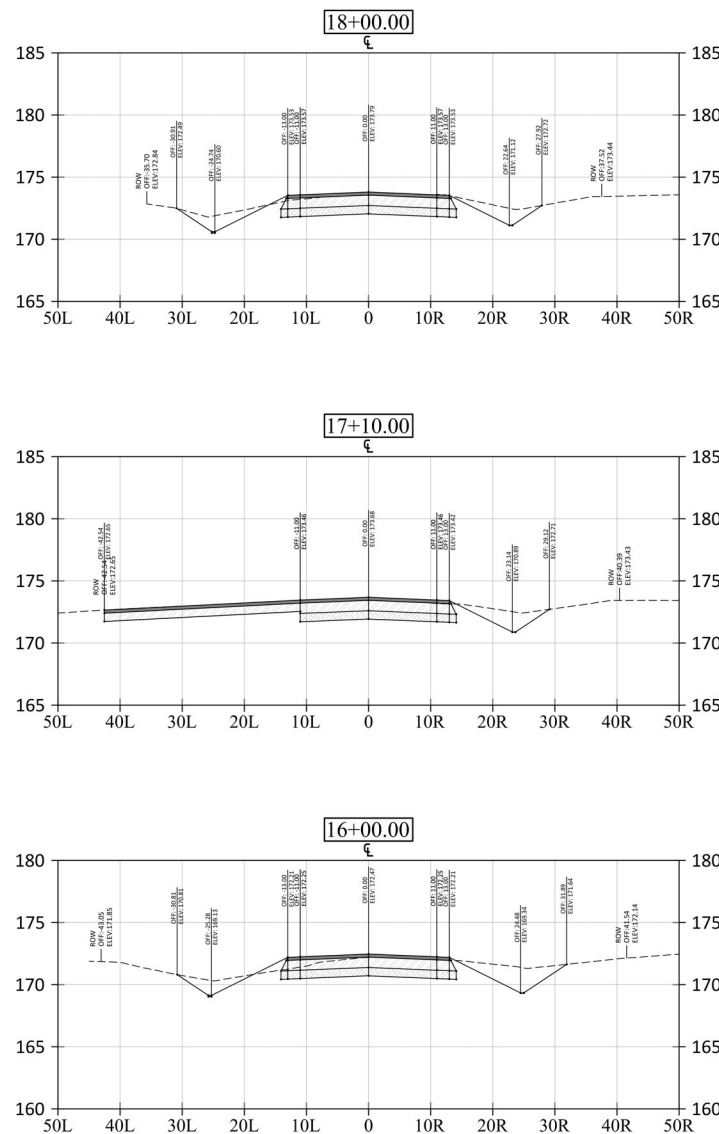
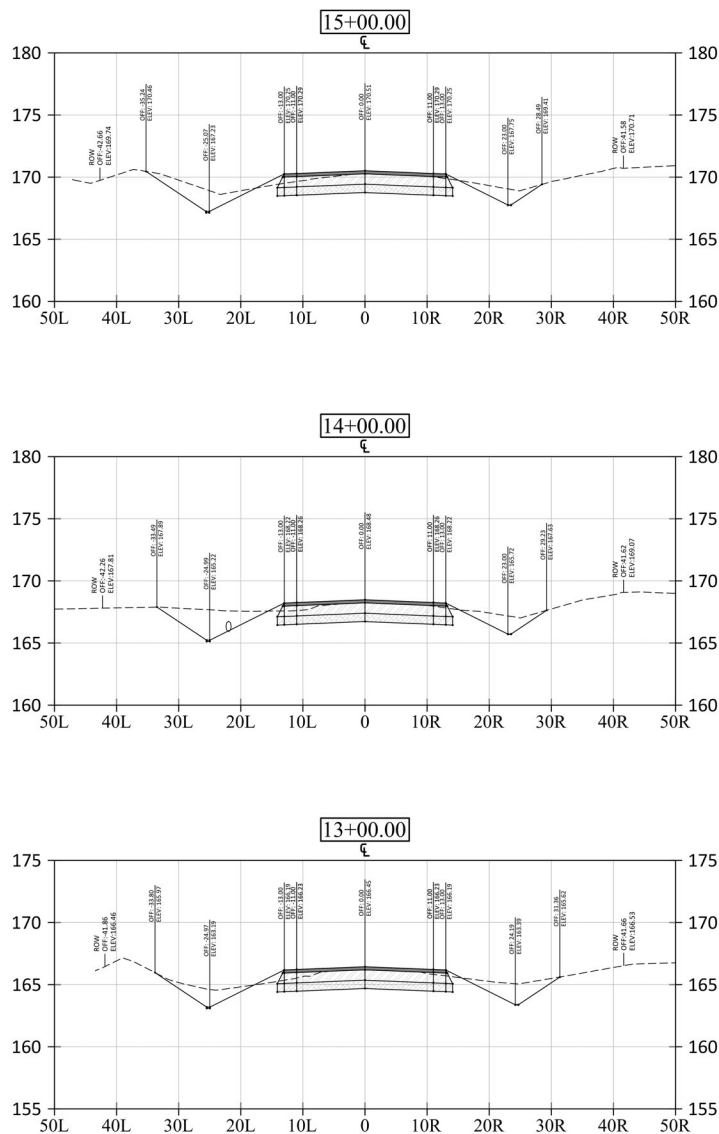
- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOWN EXISTING GROUND. PROPOSED ELEVATIONS ARE SHOWN IN RED. ROADWAY/DRITCH CONFIGURATION AT THE STATIONS INDICATED, WHERE THE PROPOSED DITCH OR ROADWAY SHALL BE LOCATED, SHALL BE LOCATED IN A LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY. THE LOCATIONS SHALL BE LOCATED AS CLOSE TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE. MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES SHALL BE MADE TO MAINTAIN POSITIVE DRAINAGE WITHIN THE EXISTING RIGHT-OF-WAY. TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH THE IN-TO SLOPE TRANSITION, THE DITCH SHALL BE LOCATED WITHIN THE EXISTING RIGHT-OF-WAY. TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH THE IN-TO SLOPE TRANSITION, THE DITCH SHALL BE LOCATED WITHIN THE EXISTING RIGHT-OF-WAY.
1. REFER TO TYPICAL CROSS SECTIONS FOR PAVEMENT AND SIDE SLOPES.
2. REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR EXISTING AND PROPOSED ELEVATIONS.
3. REFER TO DRAINAGE SHEETS AND DRAINAGE PLAN FOR DITCH LOCATIONS, SIZES, SLOPES, AND FLOWLINE INFORMATION.
4. EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE USED FOR GENERAL REFERENCE TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
5. DITCH GRADES, SIDE SLOPES, AND TIENS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING. THE CONTRACTOR SHALL VERIFY EXISTING GROUND CONDITIONS PRIOR TO CONSTRUCTION.
- WHERE DRAINWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN ON THE CROSS SECTION, REFER TO THE PLAN, PROFILE, AND GRADING SHEETS FOR THE LOCATION OF THE FEATURE. IN CASE OF CONFLICT, THE PLAN AND PROFILE GRADING, CULVERT ELEVATIONS, AND TYPICAL SECTION REQUIREMENTS SHALL TAKE PRECEDENCE OVER THE SPECIFYING OF THE CROSS SECTIONS.
- CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE. FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE



5/30/2026

| | | | | |
|--------|------|--------|-------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | |
| CK DW: | | WALLER | | |
| | | | | SHEET NO. |
| | | | | 35 |

PLOT DATE: 5/20/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13-5-Final Design\103_Sheets\WFC_BASE.dwg



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE; FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



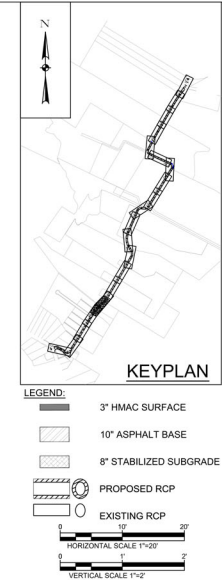
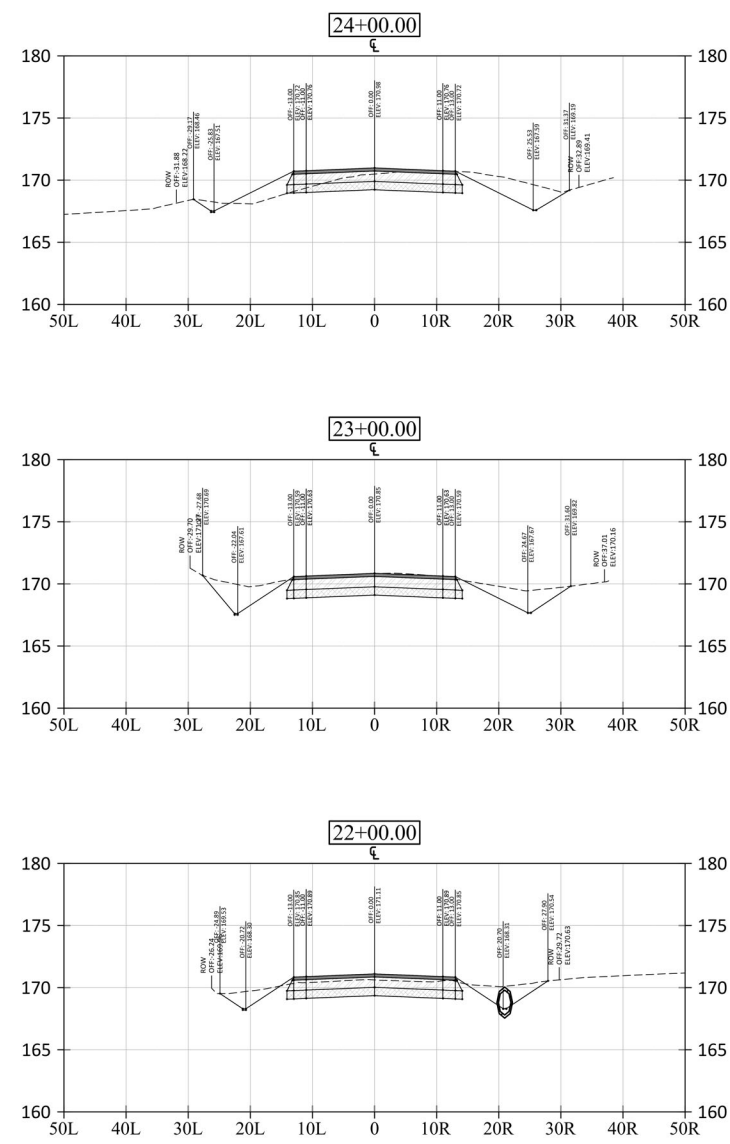
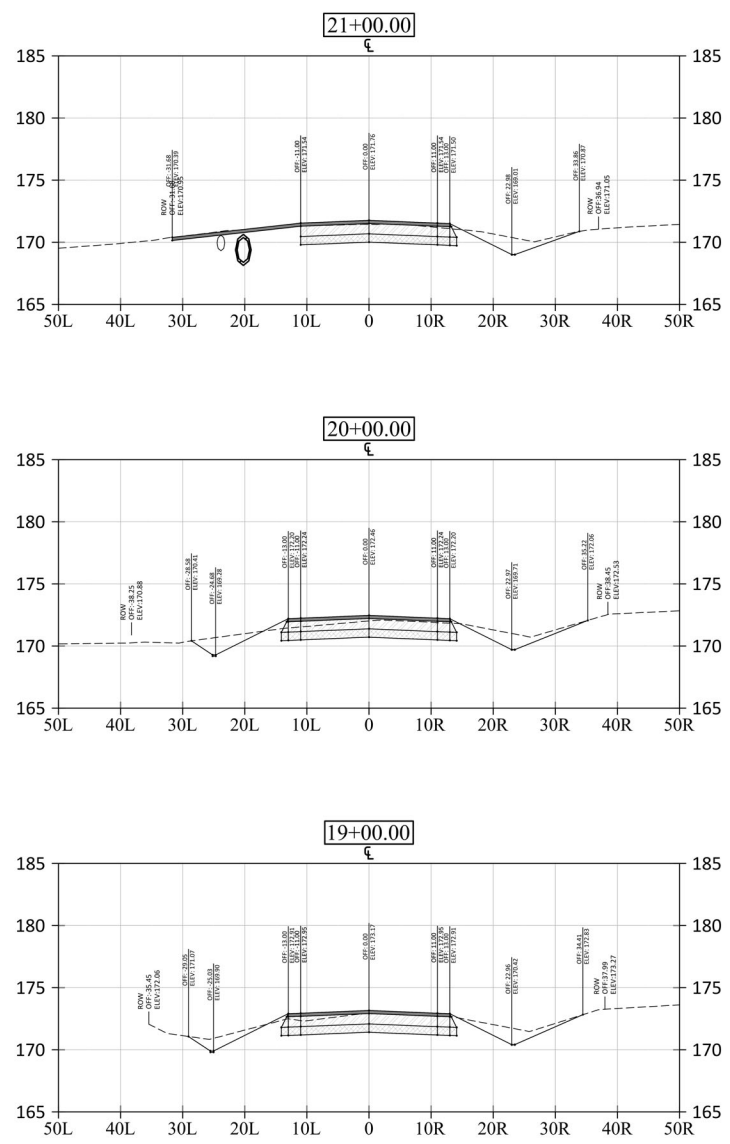
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 13+00 TO STA. 18+00
(SHEET 3 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 36 |

PLOT DATE: 5/20/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\5-Final Design\03_Sheets\WFL_BASE.dwg



- CROSS SECTION NOTES:
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL CROSS SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE; FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



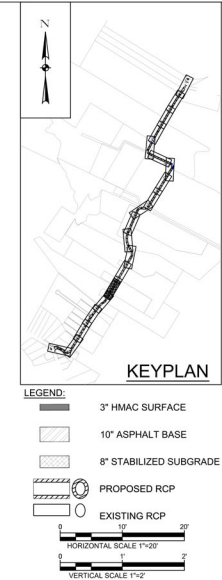
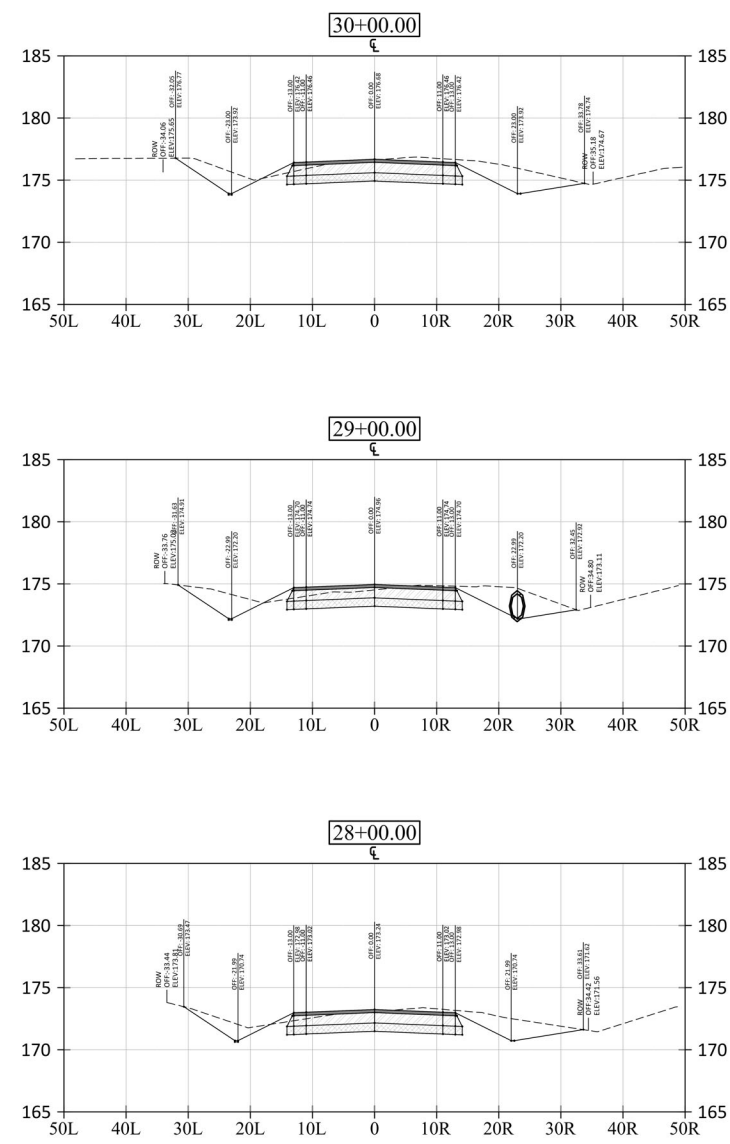
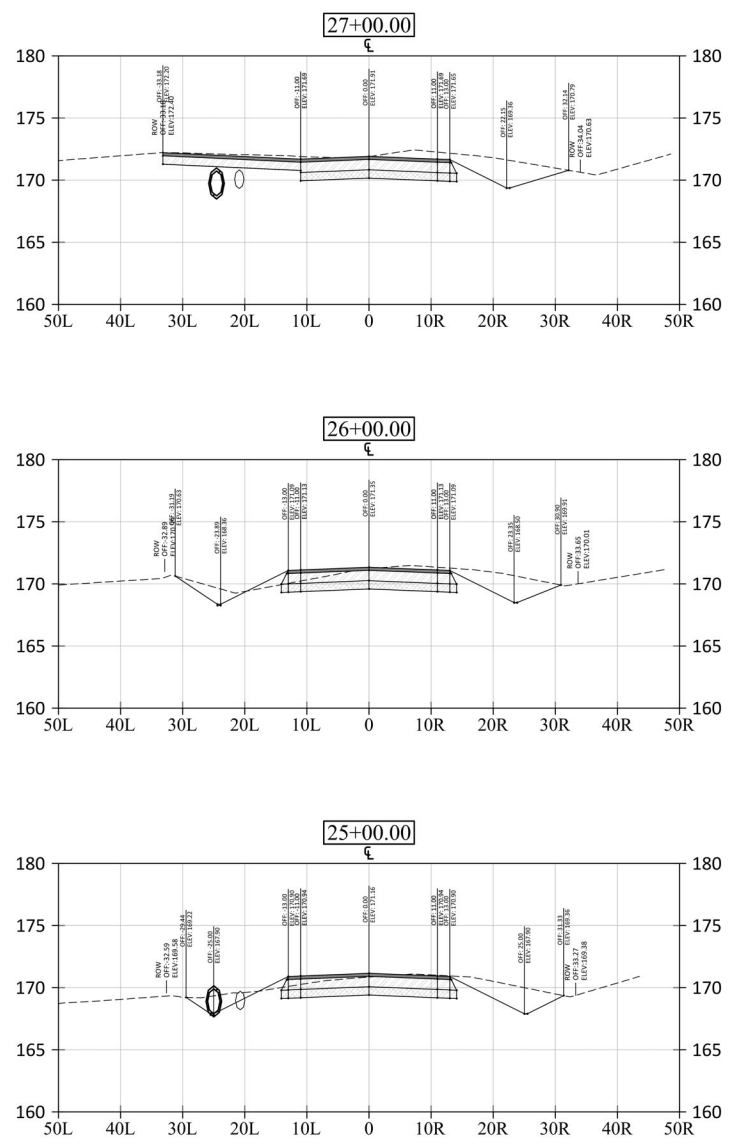
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 19+00 TO STA. 24+00
(SHEET 4 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 37 |

PLOT DATE: 5/20/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103_Sheets\WFL_RSEC.dwg



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE. FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

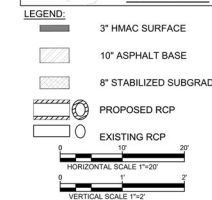
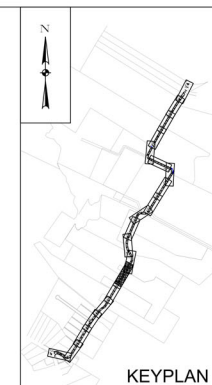
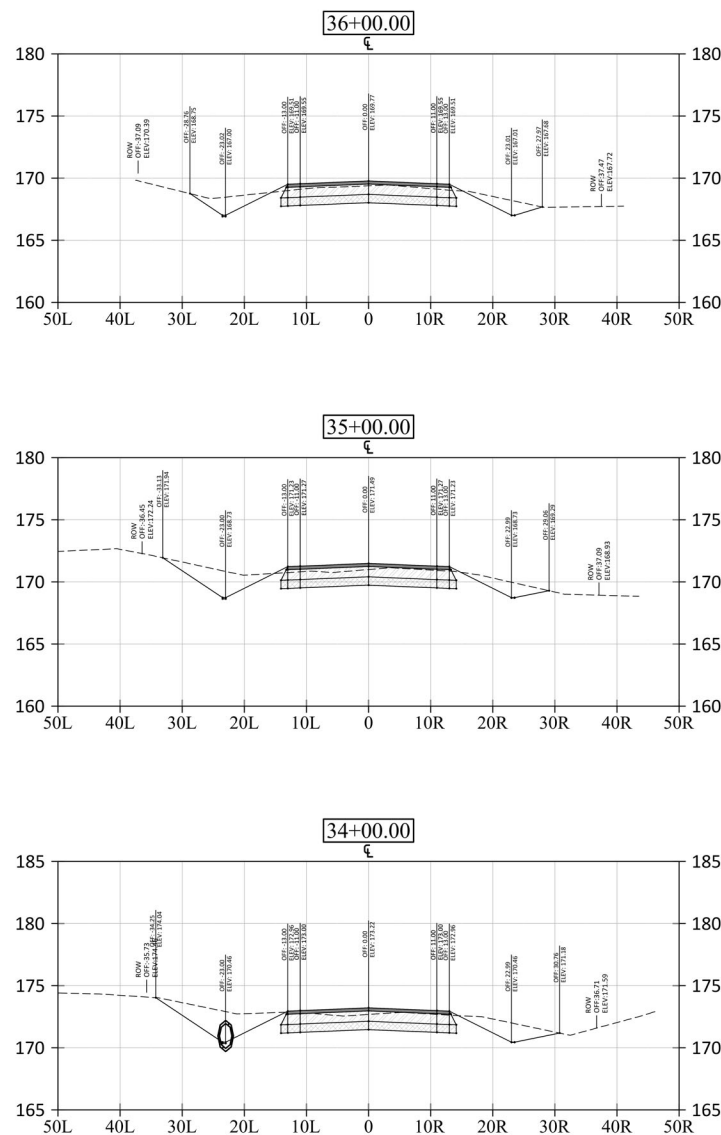
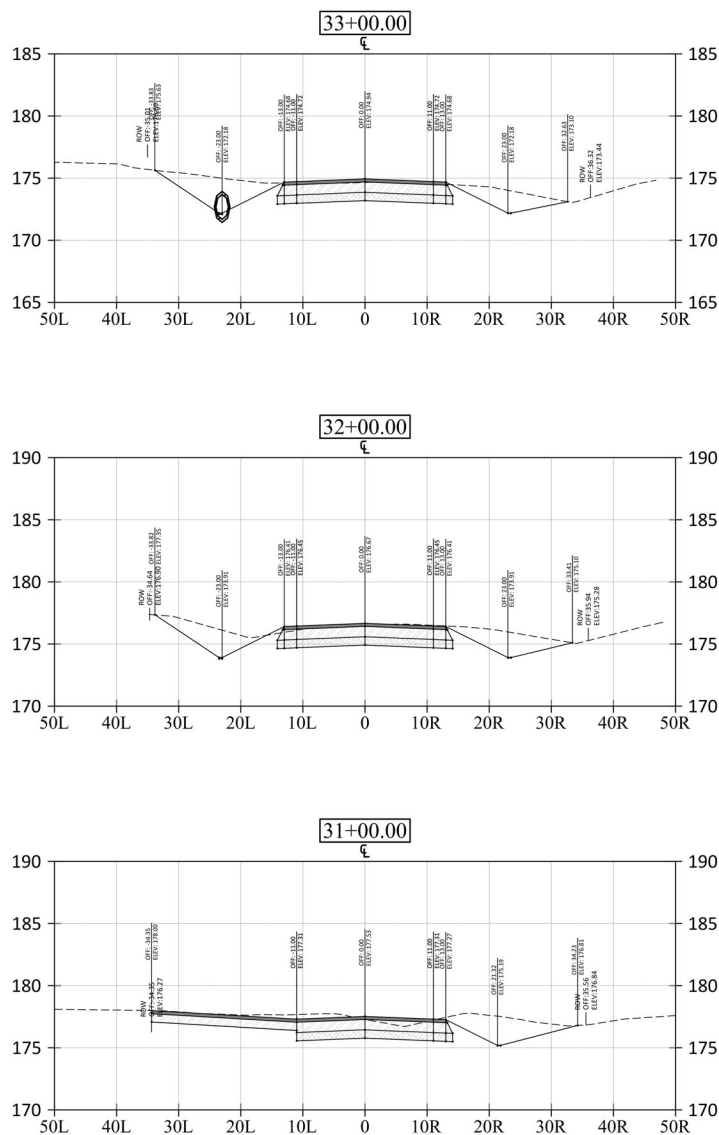


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 25+00 TO STA. 30+00
(SHEET 5 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 38 |

PLOT DATE: 5/20/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\5-Final Design\03_Sheets\WTP_Base.dwg



100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

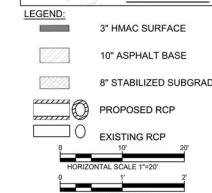
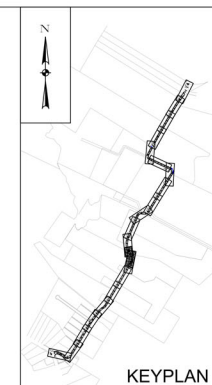
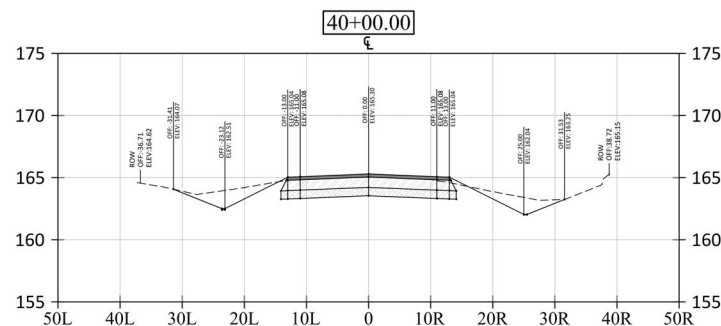
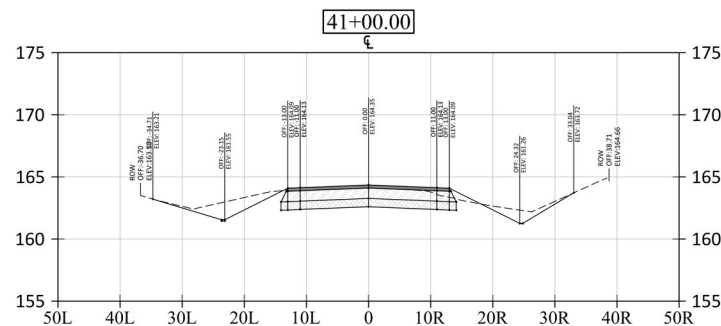
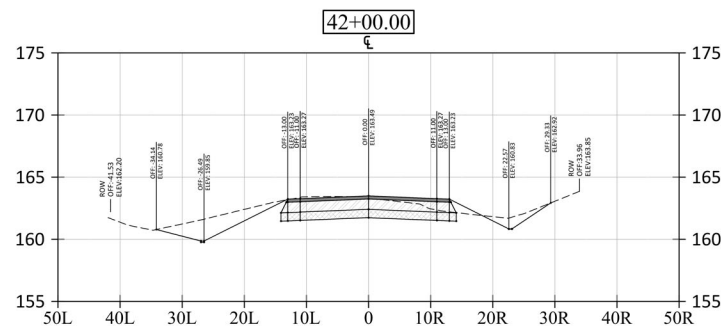
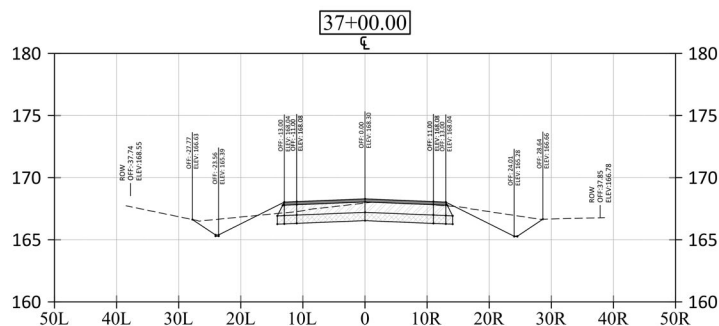
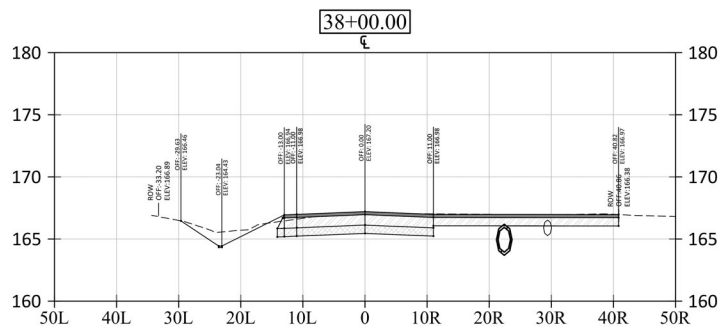
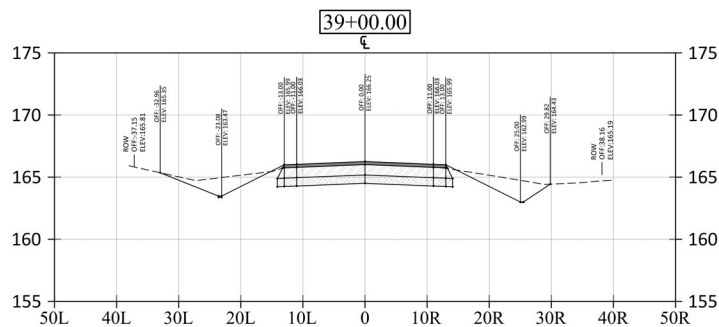


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 31+00 TO STA. 36+00
(SHEET 6 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 39 |

PLOT DATE: 5/20/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC PLOT3\5-Final Design\03_Sheets\WFC_BASE.dwg



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY/DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL CROSS SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE; FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

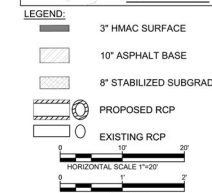
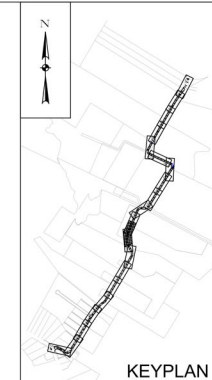
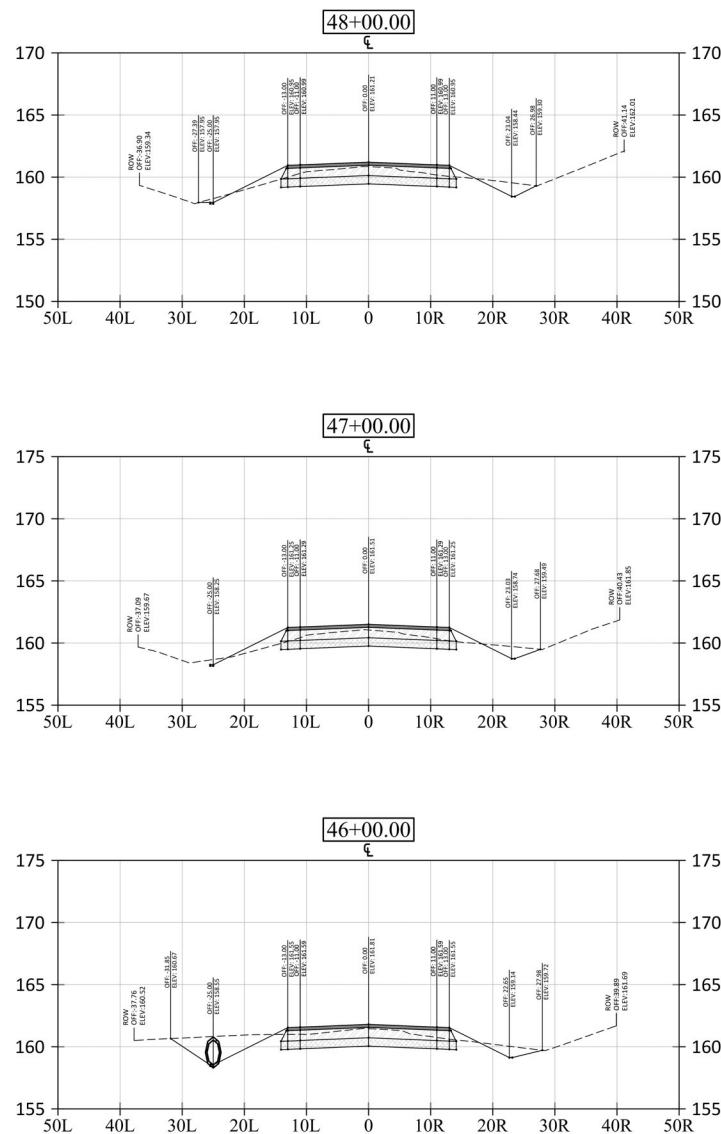
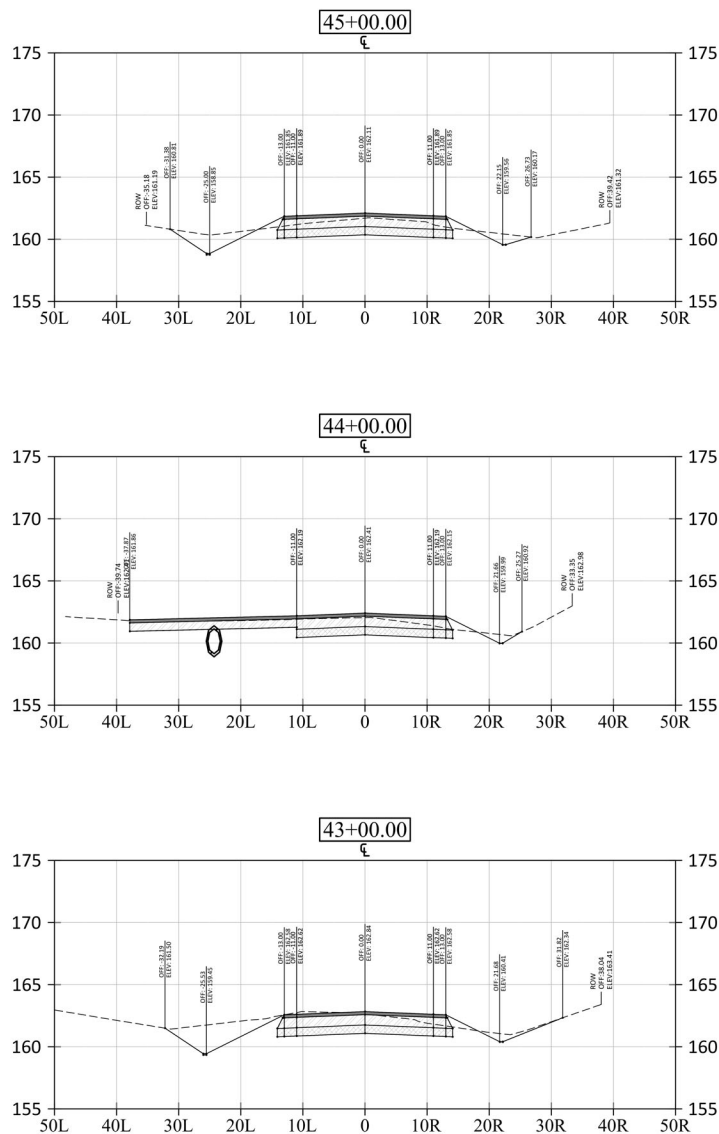


ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 37+00 TO STA. 42+00
(SHEET 7 OF 17)

N

| | | | | | |
|--------|------|--------|-------|------------|-----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO. |
| CK DW: | | WALLER | | | 40 |

PLOT DATE: 5/20/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC PLOT\3-5-Final Design\03_Sheets\WFC_XSEC_BASE.dwg



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE. FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

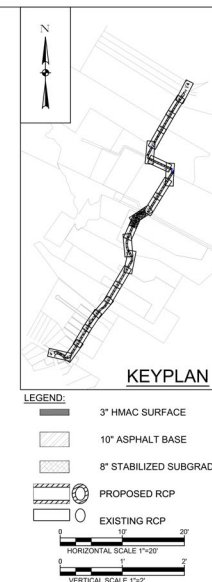
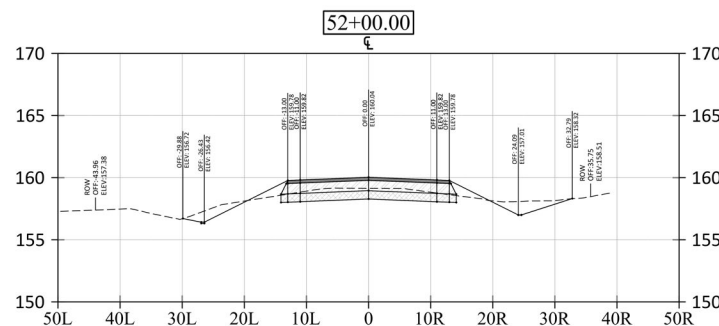
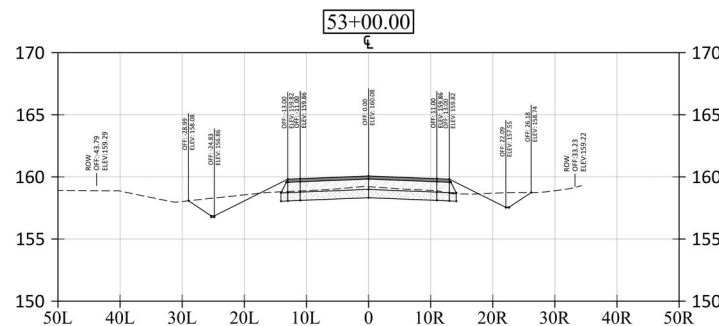
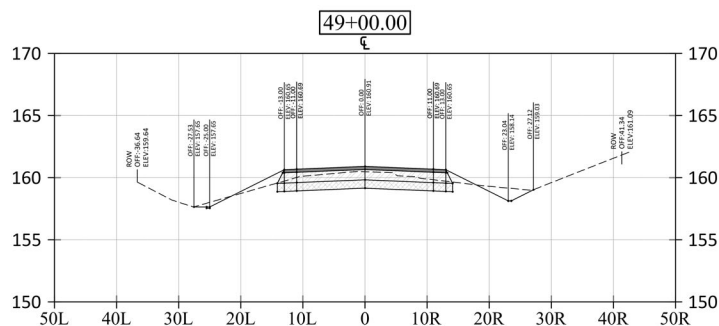
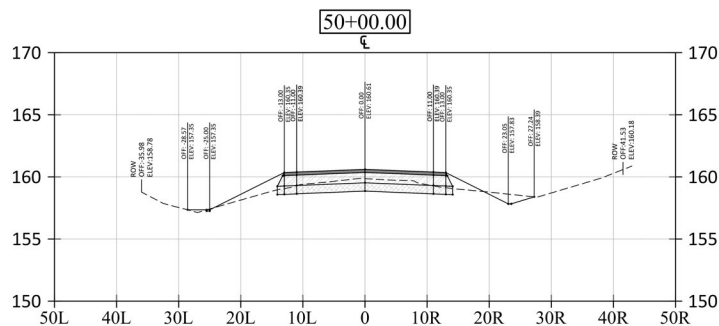
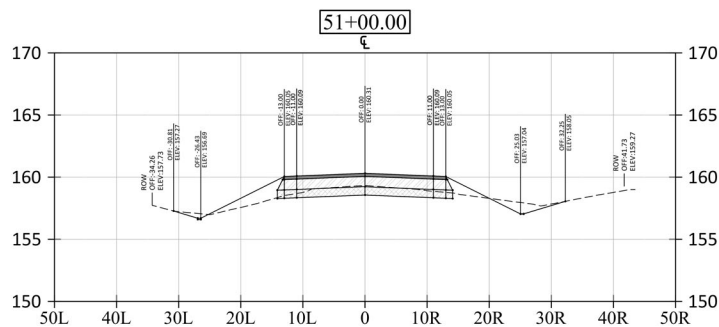


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 43+00 TO STA. 48+00
(SHEET 8 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 41 |

PLOT DATE: 5/30/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC PLOT3\5-Final Design\03_Sheets\WFL_RSEC_BASE.dwg



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE. FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



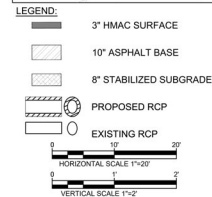
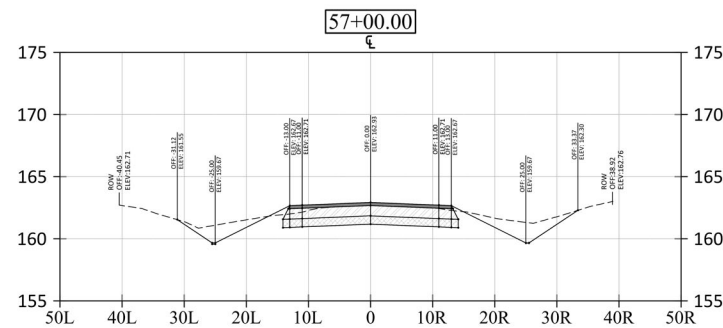
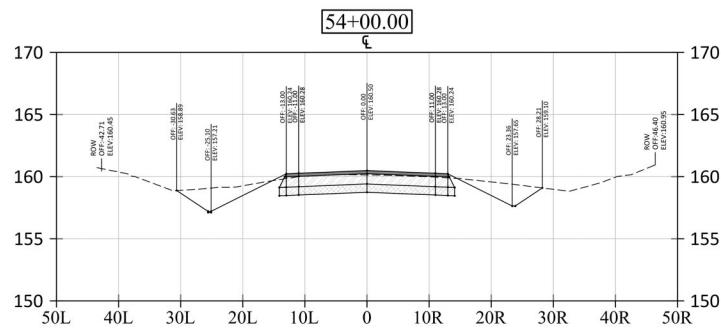
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 49+00 TO STA. 53+50
(SHEET 9 OF 17)

N

| | | | | | |
|--------|------|--------|-------|------------|-----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO. |
| CK DW: | | WALLER | | | 42 |



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED GRADE, PROPOSED DRAINAGE, ROADWAY/DTCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DTCH OR ROADWAY CANNOT BE LOCATED AT THE LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE PROPOSED SHALL BE LOCATED AT THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT FLOODING AND MAINTAIN PROPER DRAINAGE.
- MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND DRAINAGE LIMITS WILL BE ALLOWED WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING DRAINAGE.
- REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTIONS, DITCH WIDTHS, SHOULDER WIDTHS, AND SLOPE SIZES.
- REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR PROPOSED AND EXISTING DRAINAGE LIMITS. REFER TO DRAINAGE SHEETS AND DRIVEWAY SHEETS FOR DRAINAGE LIMITS, ELEVATION, AND FLOWLINE INFORMATION.
- DRAINAGE LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
7. DITCH GRADES, SLOPE SIZES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND PROTECT EXISTING DRAINAGE. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DRAINAGE AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- WHERE DRIVEWAYS, CULVERTS, OR OTHER STRUCTURES ARE SHOWN, THE CONTRACTOR SHALL CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR DRAINAGE INFORMATION. IN CASE OF CONFLICT, PLAN, PROFILE, AND DRAINAGE SHEETS SHALL TAKE PRECEDENCE. SCALING OF THE CROSS SECTIONS SHALL BE AS SHOWN. PROVIDE A HARD EARTHWORK GRADING REFERENCE. FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

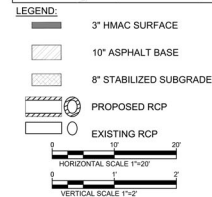
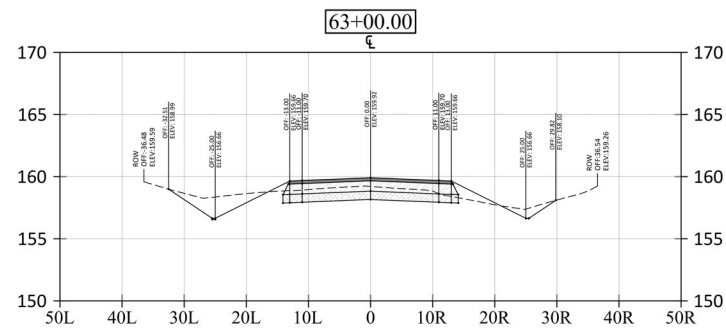
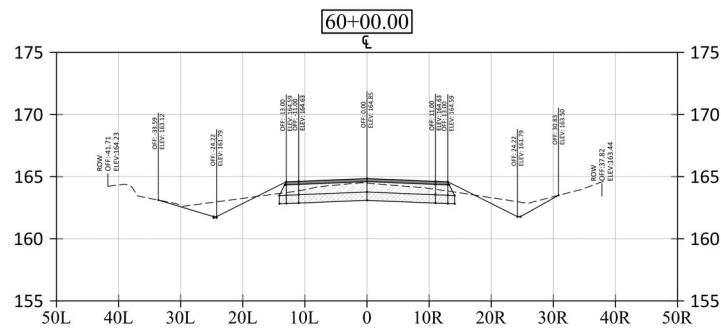


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

 **TRILOGY**
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 54+00 TO STA. 59+00
(SHEET 10 OF 17)

| | | | | | |
|--------|------|--------|-------|------------|-----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO. |
| CK DW: | | WALLER | | | 43 |



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED GRADE, PROPOSED DRAINAGE DITCH/ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR ROADWAY DITCH CANNOT BE LOCATED IN A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE DITCH SHALL BE LOCATED AT THE NEAREST LOW POINT OR EXISTING DRAINAGE DITCH TO PREVENT FLOODING AND MAINTAIN PROPER DRAINAGE.
- MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND DRAINAGE LIMITS SHALL BE MADE WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING DITCHES.
- REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTIONS, DITCH WIDTHS, SHOULDER WIDTHS, AND SLOPE SIZES.
- REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR DITCHIZATION AND VERTICAL CURVE DATA. REFER TO DRAINAGE SHEETS AND DRIVEWAY SHEETS FOR DITCHIZATION, VERTICAL CURVE, AND FLOWLINE INFORMATION.
- DRAINAGE LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
7. DITCH GRADES, SLOPE SIZES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND SHALL BE MAINTAINED THROUGHOUT THE PROJECT. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- WHERE DRIVEWAYS, CULVERTS, OR OTHER STRUCTURES ARE SHOWN, THE DITCH CROSS SECTION, REFER TO THE PLAN, PROFILE, AND TYPICAL SECTIONS FOR DITCHIZATION INFORMATION. IN CASE OF CONFLICT, PLAN, PROFILE, AND TYPICAL CULVERTS, AND TYPICAL SECTION REQUIREMENTS SHALL TAKE PRECEDENCE OVER SCALING OF THE CROSS SECTIONS.
8. EROSION CONTROL IS PROVIDED FOR EARTHWORK AND GRADING REFERENCE: FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



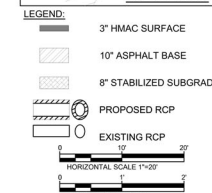
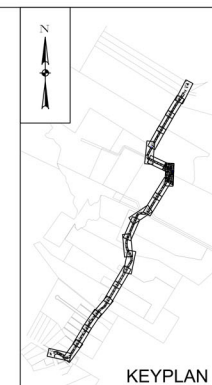
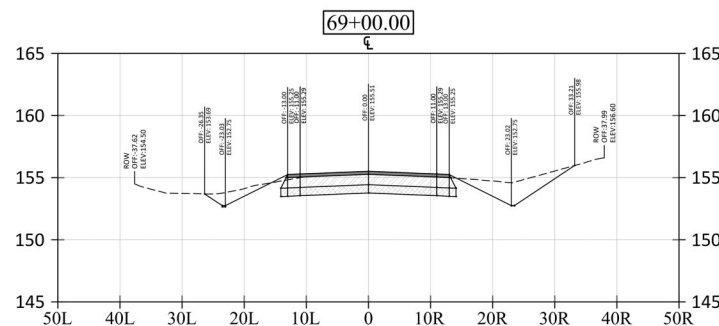
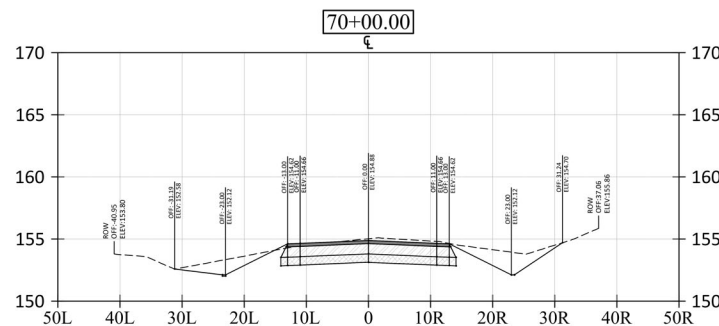
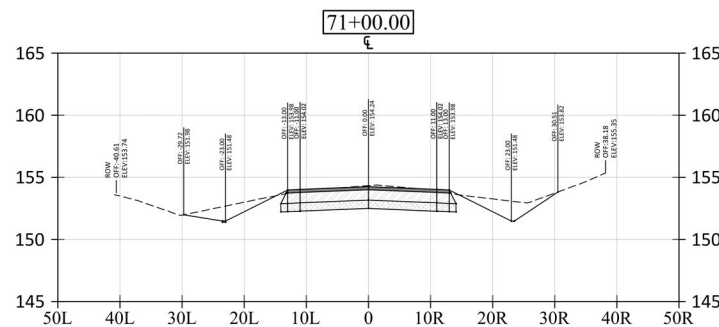
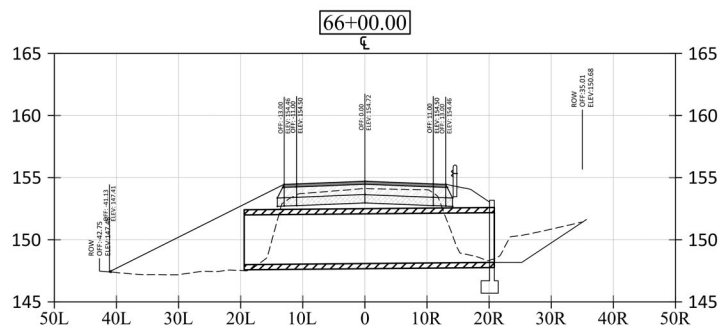
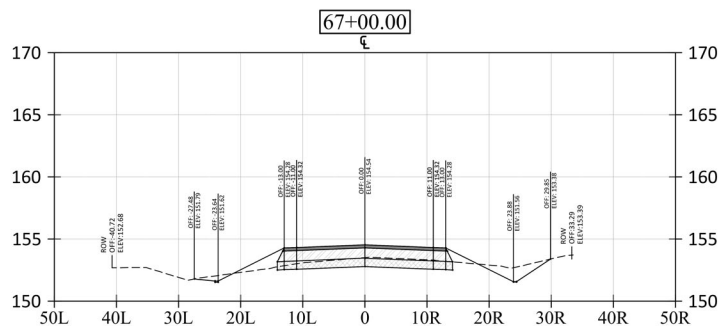
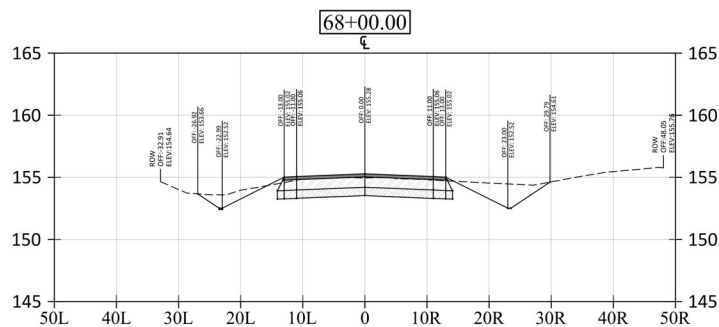
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

 **TRILOGY**
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 60+00 TO STA. 65+00
(SHEET 11 OF 17)

| | | | | |
|--------|------|--------|-------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | |
| CK DW: | | WALLER | | |
| | | | | SHEET NO. |
| | | | | 44 |

PLOT DATE: 6/4/2024 10:13 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_PCT3\5-Final Design\103_Sheets\WFC_BASE.dwg



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE. FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



6/4/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



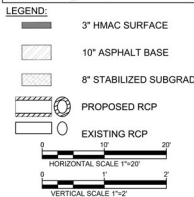
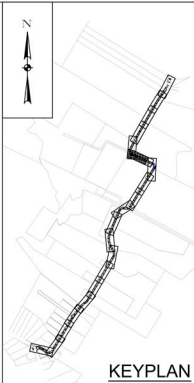
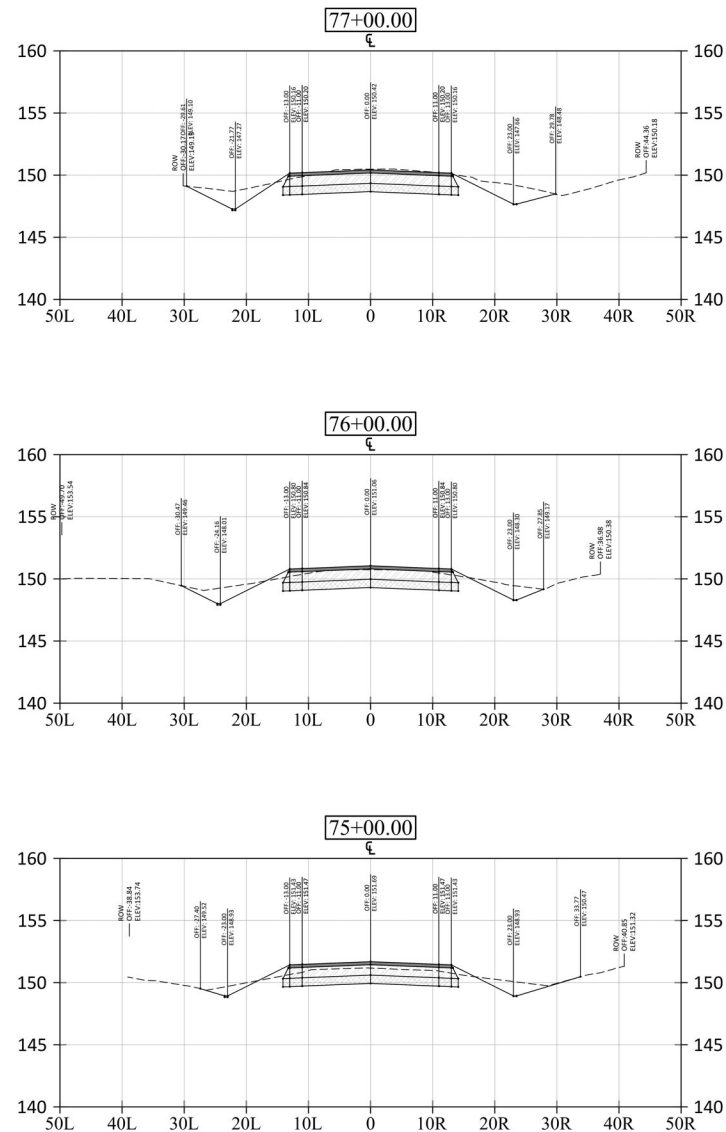
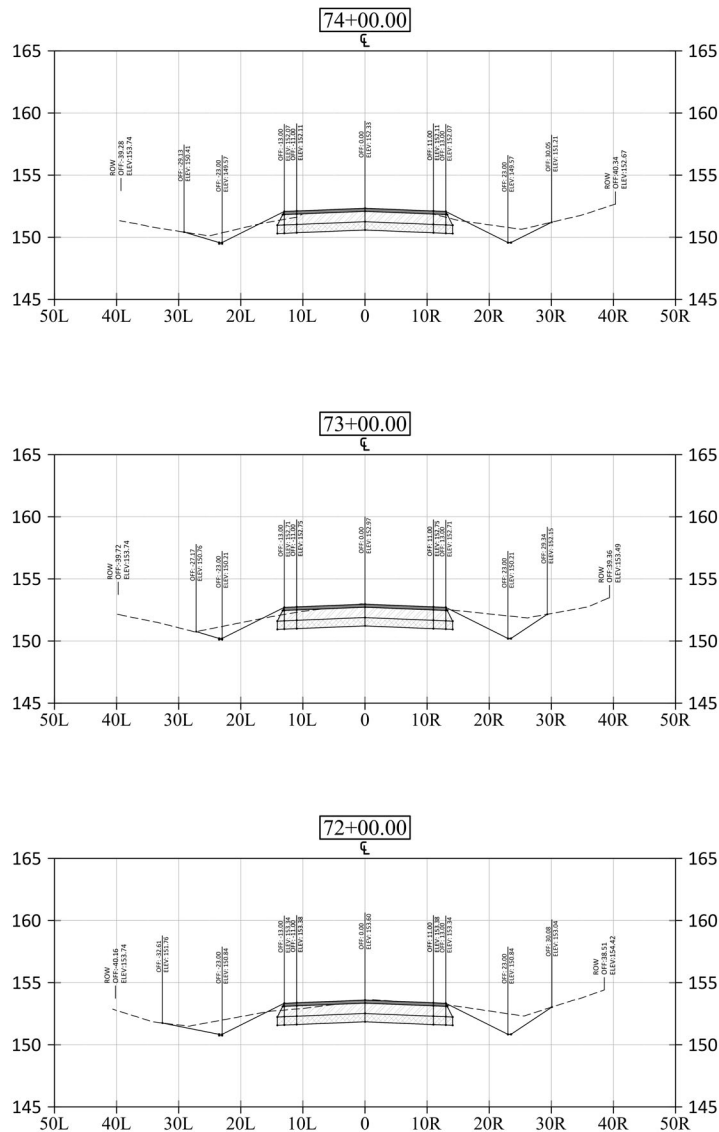
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 66+00 TO STA. 71+00
(SHEET 12 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 45 |

PLOT DATE: 5/20/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\5-Final Design\03_Sheets\WFC_BASE.dwg



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL CROSS SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE. FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

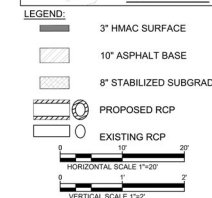
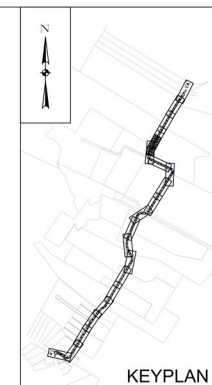
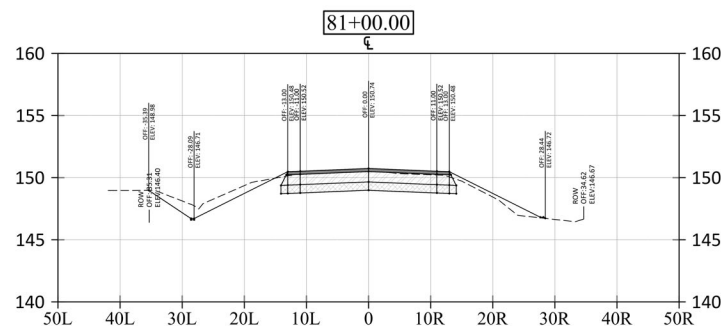
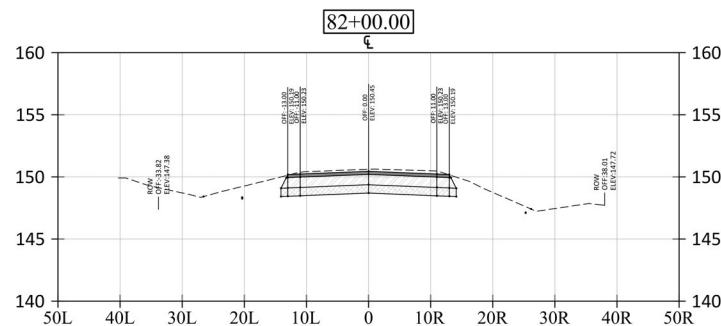
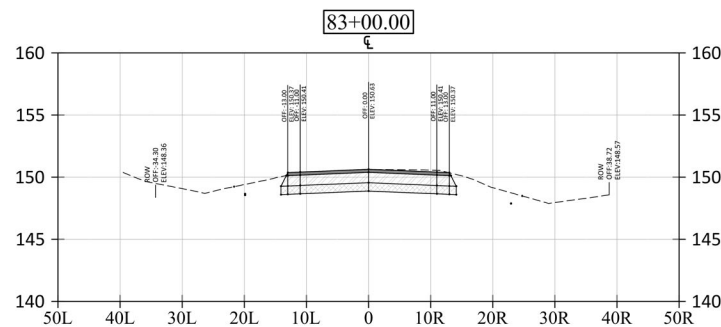
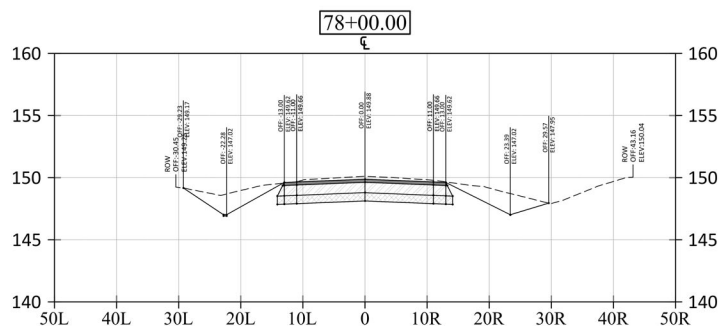
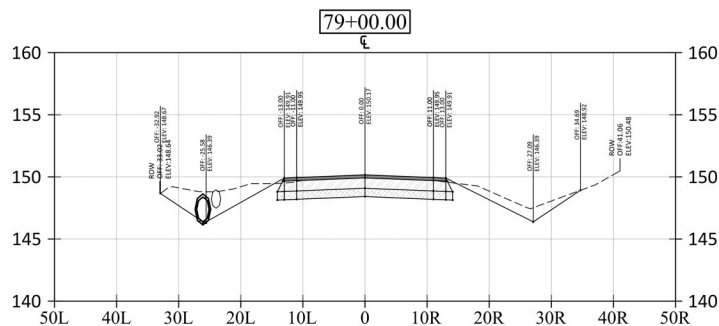
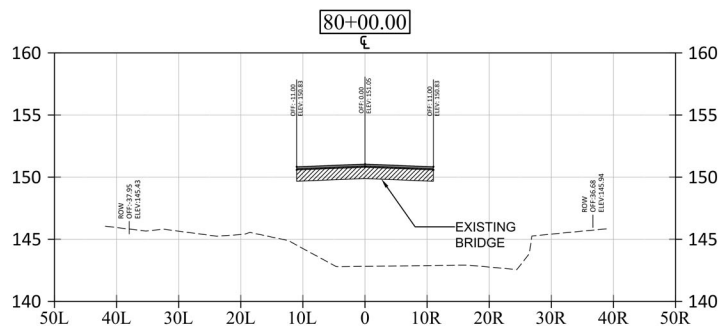


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 72+00 TO STA. 77+00
(SHEET 13 OF 17)

| | | | | | |
|--------|------|--------|-------|------------|-----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO. |
| CK DW: | | WALLER | | | 46 |

PLOT DATE: 5/30/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\5-Final Design\03_Sheets\WFL_BASE.dwg



- CROSS SECTION NOTES:**
1. CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 2. MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 3. REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 4. REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 5. REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 6. EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 7. DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 8. CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 9. WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 10. IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 11. CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE. FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



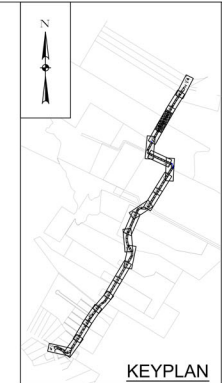
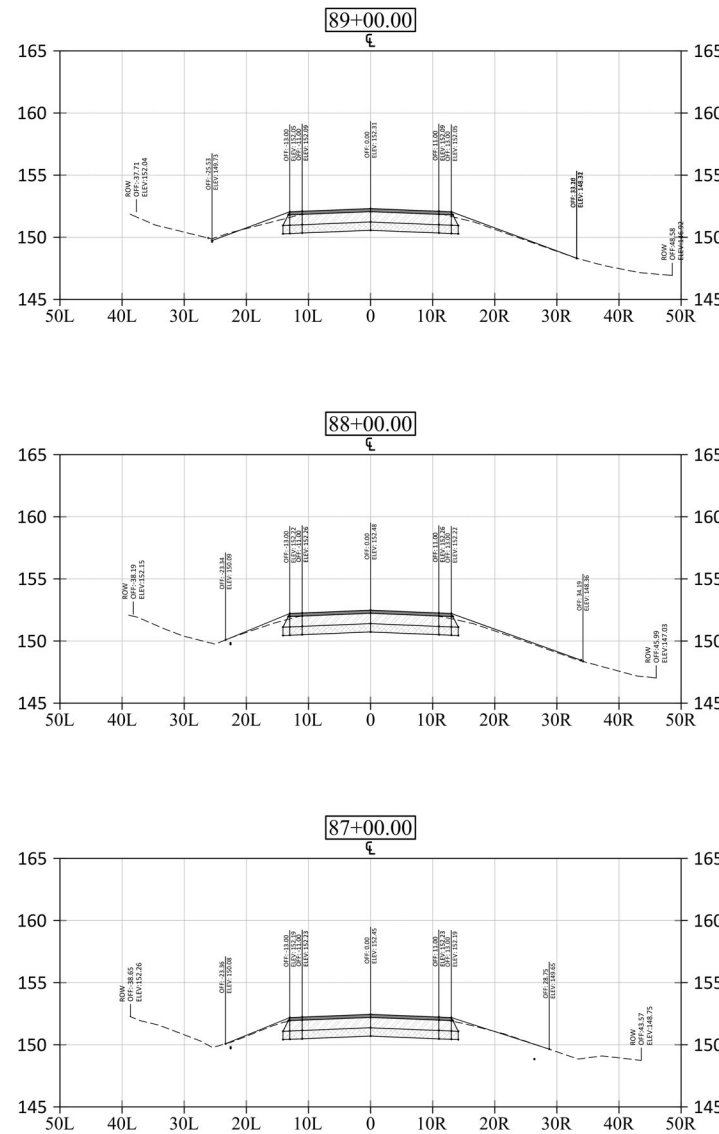
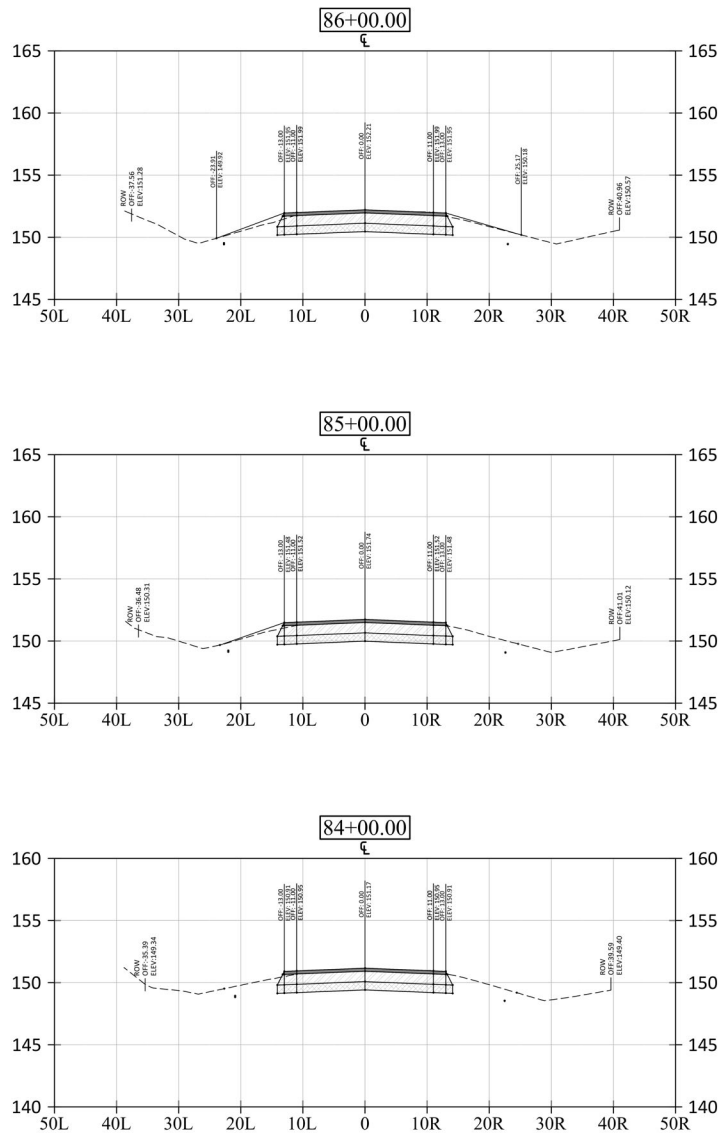
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 78+00 TO STA. 83+00
(SHEET 14 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 47 |

PLOT DATE: 5/20/2026 4:37 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\03_Sheets\WTP_BASE.dwg



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE. FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

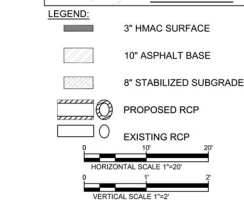
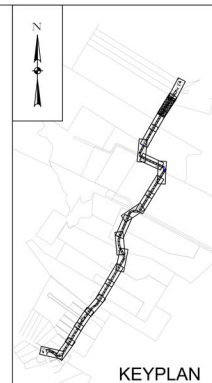
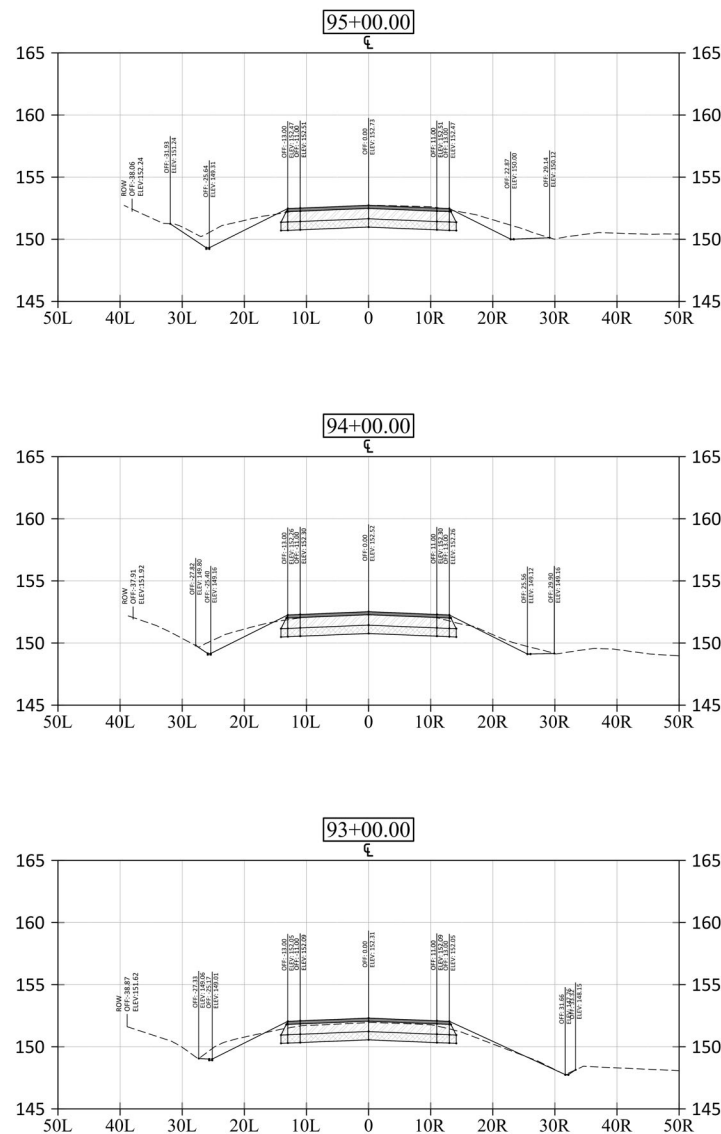
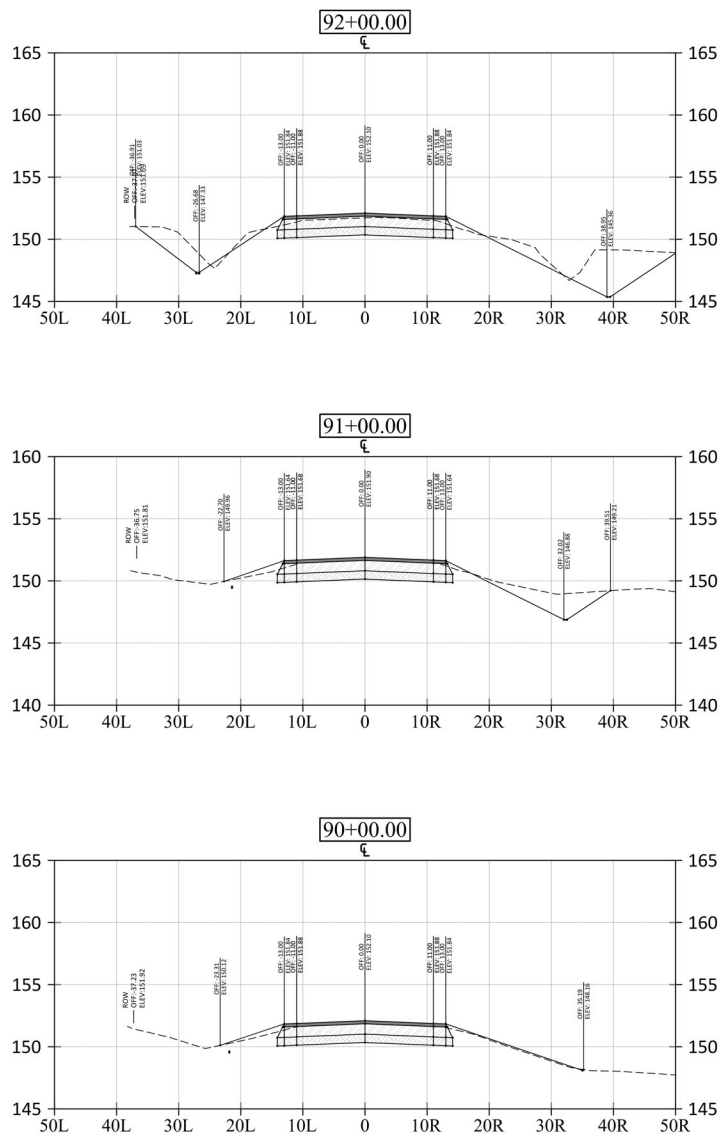


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 84+00 TO STA. 89+00
(SHEET 15 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 48 |

PLOT DATE: 5/20/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\03_Sheets\WFC_BASE.dwg



100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



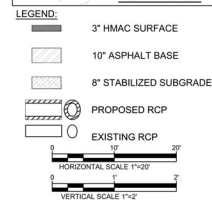
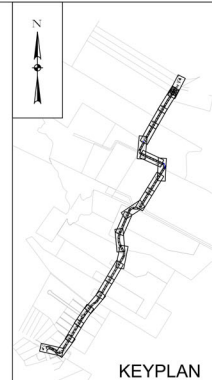
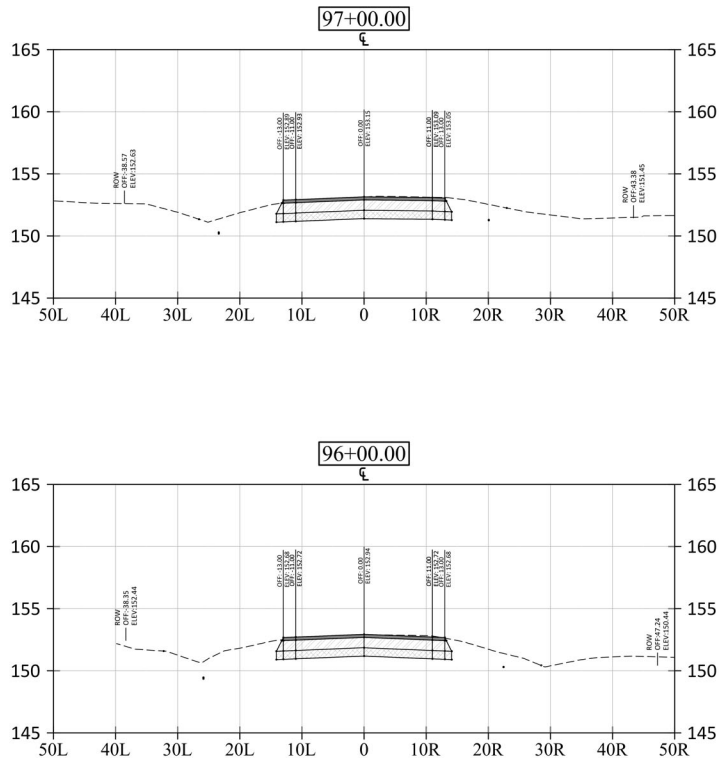
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 90+00 TO STA. 95+00
(SHEET 16 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 49 |

PLOT DATE: 5/20/2026 4:38 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\5-Final Design\3-Final Design\03_Sheets\WFC_BASE.dwg



- CROSS SECTION NOTES:**
- CROSS SECTIONS SHOW EXISTING GROUND, PROPOSED FINISHED GRADE, AND TYPICAL ROADWAY/DITCH CONFIGURATION AT THE STATIONS INDICATED. WHERE THE PROPOSED DITCH OR BACKSLOPE WOULD OTHERWISE CREATE A LOCAL LOW AREA WITHIN THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL EXTEND THE GRADING TO THE NEAREST LOW POINT OR EXISTING DRAINAGE OUTLET TO PREVENT PONDING AND MAINTAIN POSITIVE DRAINAGE.
 - MINOR FIELD ADJUSTMENTS TO DITCH BACKSLOPES AND EARTHWORK LIMITS SHALL BE PERMITTED, WITHIN THE EXISTING RIGHT-OF-WAY, TO ACHIEVE DRAINAGE CONTINUITY AND SMOOTH TIE-INS TO EXISTING GROUND.
 - REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION, LANE WIDTHS, SHOULDER WIDTHS, AND SIDE SLOPES.
 - REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL ALIGNMENT CONTROL.
 - REFER TO DRAINAGE SHEETS AND DRIVEWAY CULVERT TABLE FOR CULVERT SIZE, LOCATION, AND FLOWLINE INFORMATION.
 - EARTHWORK LIMITS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD TO MATCH EXISTING CONDITIONS AND PROVIDE A SMOOTH TRANSITION.
 - DITCH GRADES, SIDE SLOPES, AND TIE-INS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND A SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE DRIVEWAYS, CULVERTS, OR OTHER FEATURES ARE NOT SHOWN IN A PARTICULAR CROSS SECTION, REFER TO THE PLAN, PROFILE, AND DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 - IN CASE OF CONFLICT, PLAN AND PROFILE GRADES, CULVERT FLOWLINES, AND TYPICAL SECTION REQUIREMENTS SHALL GOVERN OVER GRAPHIC SCALING OF THE CROSS SECTIONS.
 - CROSS SECTIONS ARE PROVIDED FOR EARTHWORK AND GRADING REFERENCE; FINAL CONSTRUCTION SHALL MATCH THE DESIGN INTENT SHOWN IN THE PLANS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



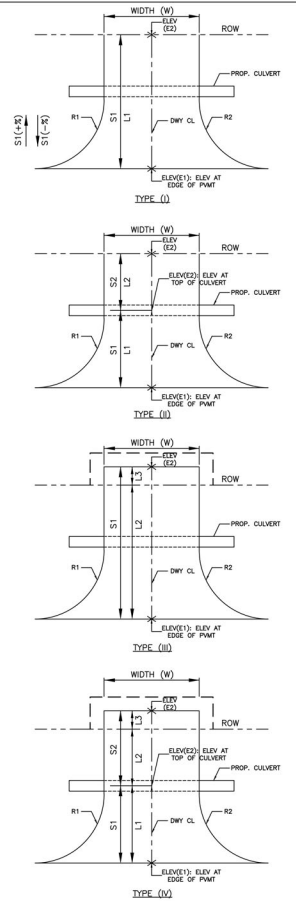
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSS SECTIONS STA. 96+00 TO STA. 97+00
(SHEET 17 OF 17)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 50 |

PLOT DATE: 5/30/2026 4:38 PM PLOT BY: MOHAMED SAVED FILE NAME: C:\Projects\Adams Flat Road - WC PCE3\5-Final Design\3-Final Design\03_Sheets\Driveways Schedule.dwg

| SHEET NO | DRIVEWAY NUMBER | CL STATION | LT/RT | DRIVEWAY USE | PAVEMENT TYPE | WIDTH W (FT) | RADIUS R1 (FT) | RADIUS R2 (FT) | TYPE | LENGTH L1 (FT) | LENGTH L2 (FT) | LENGTH L3 (FT) | PGL (FT) | ELEVATION E1 (FT) | ELEVATION E2 (FT) | ELEVATION E3 (FT) | SLOPE S1 (%) [NOT TO EXCEED 6%] | SLOPE S2 (%) | DRIVEWAY AREA (SY) | DRIVEWAY TCE (FTxFT) |
|----------|-----------------|------------|-------|--------------|---------------|--------------|----------------|----------------|------|----------------|----------------|----------------|----------|-------------------|-------------------|-------------------|---------------------------------|--------------|--------------------|----------------------|
| 14 | 1 | 02+22.10 | LT | Residential | Asphalt | 15.4 | 15 | 10 | I | 28.11 | | | 170.99 | 170.77 | 169.64 | | 4.02% | | 42 | |
| 14 | 2 | 03+38.59 | LT | Residential | Asphalt | 15.6 | 12 | 10 | I | 29.44 | | | 170.3 | 170.08 | 169.16 | | 3.13% | | 42 | |
| 15 | 3 | 06+58.77 | RT | Residential | Asphalt | 18.3 | 20 | 20 | I | 30.92 | | | 166.4 | 166.18 | 166.29 | | -0.36% | | 69 | |
| 15 | 4 | 08+37.05 | LT | Residential | Asphalt | 14.2 | 15 | 10 | I | 29.20 | | | 162.66 | 162.44 | 162.38 | | 0.21% | | 42 | |
| 15 | 5 | 08+41.55 | RT | Residential | Asphalt | 14 | 10 | 10 | I | 30.84 | | | 162.6 | 162.38 | 162.77 | | -1.26% | | 40 | |
| 15 | 6 | 08+82.51 | LT | Residential | Asphalt | 18.1 | 10 | 15 | I | 29.72 | | | 162.11 | 161.89 | 160.4 | | 5.01% | | 56 | |
| 16 | 7 | 10+27.80 | LT | Residential | Asphalt | 16 | 15 | 15 | I | 29.89 | | | 161.86 | 161.64 | 160.5 | | 3.81% | | 52 | |
| 16 | 8 | 11+31.01 | LT | Residential | Asphalt | 17.3 | 20 | 15 | I | 30.34 | | | 163.06 | 162.84 | 162.06 | | 2.57% | | 59 | |
| 16 | 9 | 12+45.29 | RT | Residential | Asphalt | 26.6 | 15 | 15 | I | 30.68 | | | 165.34 | 165.12 | 165.01 | | 0.36% | | 88 | |
| 16 | 10 | 13+56.27 | LT | Residential | Asphalt | 31.7 | 20 | 10 | I | 29.48 | | | 167.59 | 167.37 | 167.74 | | -1.26% | | 101 | |
| 16 | 11 | 14+59.58 | LT | Residential | Asphalt | 31.1 | 20 | 15 | I | 28.34 | | | 169.69 | 169.47 | 169.55 | | -0.28% | | 99 | |
| 17 | 12 | 16+35.86 | RT | Residential | Asphalt | 14 | 15 | 15 | I | 30.56 | | | 172.99 | 172.77 | 173.4 | | -2.06% | | 45 | |
| 17 | 14 | 18+40.56 | LT | Residential | Asphalt | 18.2 | 12 | 15 | I | 23.47 | | | 173.59 | 173.37 | 172.85 | | 2.22% | | 48 | |
| 17 | 15 | 19+53.81 | LT | Residential | Asphalt | 19.8 | 12 | 10 | I | 33.67 | | | 172.79 | 172.57 | 170.59 | | 5.88% | | 52 | |
| 18 | 16 | 20+97.84 | LT | Residential | Asphalt | 23.7 | 15 | 20 | I | 20.86 | | | 171.77 | 171.55 | 170.4 | | 5.51% | | 54 | |
| 18 | 17 | 21+79.77 | RT | Commercial | Asphalt | 26.6 | 15 | 12 | I | 21.55 | | | 171.22 | 171 | 171.08 | | -0.37% | | 65 | |
| 19 | 18 | 25+12.99 | LT | Commercial | Asphalt | 15.7 | 15 | 15 | I | 20.37 | | | 171.89 | 171.67 | 170.1 | | 7.71% | | 38 | |
| 19 | 19 | 25+54.47 | RT | Residential | Asphalt | 14.7 | 12 | 12 | I | 22.49 | | | 171.26 | 171.04 | 171.3 | | -1.16% | | 35 | |
| 19 | 20 | 26+97.77 | LT | Residential | Asphalt | 15.7 | 15 | 15 | I | 22.17 | | | 172.1 | 171.88 | 172.23 | | -1.58% | | 40 | |
| 19 | 21 | 28+87.68 | RT | Residential | Asphalt | 13.9 | 15 | 15 | I | 24.00 | | | 174.75 | 174.53 | 174.69 | | -0.67% | | 38 | |
| 19 | 22 | 29+77.49 | LT | Residential | Asphalt | 13.5 | 12 | 12 | I | 22.99 | | | 176.29 | 176.07 | 176.5 | | -1.87% | | 33 | |
| 20 | 23 | 30+87.59 | RT | Residential | Asphalt | 14.3 | 12 | 12 | I | 24.60 | | | 177.52 | 177.3 | 177.42 | | -0.49% | | 36 | |
| 20 | 24 | 30+98.65 | LT | Residential | Asphalt | 14.6 | 15 | 12 | I | 23.57 | | | 177.53 | 177.31 | 178.01 | | -2.97% | | 37 | |
| 20 | 25 | 32+86.80 | LT | Commercial | Asphalt | 20 | 12 | 12 | I | 23.92 | | | 175.17 | 174.95 | 176.07 | | -4.68% | | 50 | |
| 20 | 26 | 33+81.90 | LT | Commercial | Asphalt | 19.7 | 15 | 15 | I | 24.65 | | | 173.53 | 173.31 | 174.08 | | -3.12% | | 55 | |
| 20 | 27 | 34+70.43 | LT | Commercial | Asphalt | 19.2 | 10 | 10 | I | 25.24 | | | 172 | 171.78 | 172.47 | | -2.73% | | 48 | |
| 21 | 28 | 38+05.28 | RT | Commercial | Asphalt | 21.2 | 20 | 25 | I | 30.38 | | | 167.15 | 166.93 | 166.97 | | -0.13% | | 76 | |
| 22 | 29 | 40+50.43 | RT | Commercial | Asphalt | 14.8 | 15 | 10 | I | 28.62 | | | 164.82 | 164.6 | 164.34 | | 0.91% | | 40 | |
| 22 | 30 | 42+79.11 | LT | Residential | Asphalt | 14 | 15 | 15 | I | 29.14 | | | 162.96 | 162.74 | 161.93 | | 2.78% | | 44 | |
| 22 | 31 | 44+02.20 | LT | Residential | Asphalt | 21.5 | 20 | 15 | I | 28.15 | | | 162.4 | 162.18 | 161.86 | | 1.14% | | 62 | |
| 23 | 32 | 45+15.00 | LT | Commercial | Concrete | 35 | 15 | 15 | I | 27.27 | | | 161.76 | 161.54 | 160.55 | | 3.63% | | 113 | |
| 24 | 33 | 52+21.20 | LT | Residential | Asphalt | 14.2 | 15 | 15 | I | 38.38 | | | 160.02 | 159.8 | 157.65 | | 5.60% | | 53 | |
| 24 | 34 | 52+62.89 | LT | Residential | Asphalt | 13 | 15 | 15 | I | 35.82 | | | 160.02 | 159.8 | 158.05 | | 4.89% | | 46 | |
| 24 | 35 | 54+35.34 | LT | Residential | Asphalt | 21 | 15 | 15 | I | 28.43 | | | 160.74 | 160.52 | 161.07 | | -1.93% | | 72 | |
| 24 | 36 | 54+78.81 | RT | Residential | Asphalt | 17.3 | 15 | 15 | I | 26.98 | | | 161.09 | 160.87 | 161.76 | | -3.30% | | 48 | |
| 25 | 37 | 58+76.55 | RT | Residential | Asphalt | 16.8 | 20 | 20 | I | 27.27 | | | 164.4 | 164.18 | 164.33 | | -0.55% | | 58 | |
| 26 | 38 | 60+63.87 | LT | Residential | Asphalt | 20.5 | 10 | 10 | I | 27.14 | | | 164.4 | 164.18 | 163.39 | | 2.91% | | 55 | |
| 26 | 39 | 62+17.64 | LT | Residential | Asphalt | 16 | 15 | 15 | I | 24.36 | | | 161.63 | 161.41 | 161.64 | | -0.94% | | 36 | |
| 26 | 40 | 62+34.79 | RT | Residential | Asphalt | 18.1 | 10 | 10 | I | 25.95 | | | 161.27 | 161.05 | 160.92 | | 0.50% | | 46 | |
| 27 | 41 | 68+52.86 | RT | Mixed | Asphalt | 28.7 | 15 | 15 | I | 32.08 | | | 155.6 | 155.38 | 156.24 | | -2.68% | | 97 | |
| 29 | 42 | 76+56.14 | LT | Residential | Asphalt | 17.2 | 15 | 25 | I | 42.17 | | | 150.7 | 150.48 | 149.61 | | 2.06% | | 96 | |
| 29 | 43 | 79+08.89 | LT | Residential | Asphalt | 16.1 | 10 | 10 | I | 26.98 | | | 150.24 | 150.02 | 148.54 | | 5.49% | | 42 | |
| 30 | 44 | 81+20.39 | LT | Residential | Asphalt | 14 | 15 | 15 | I | 22.64 | | | 150.67 | 150.45 | 149.76 | | 3.05% | | 36 | |
| 33 | 45 | 96+63.76 | LT | Residential | Asphalt | 16.3 | 15 | 15 | I | 27.52 | | | 153.07 | 152.85 | 152.75 | | 0.36% | | 49 | |



THE DRIVEWAY LOCATIONS, WIDTHS, AND DRIVEWAY TYPES SHOWN ARE BASED ON THE BEST AVAILABLE SURVEY DATA AT THE TIME OF DESIGN AND ARE PROVIDED FOR ESTIMATING AND PLAN DEVELOPMENT PURPOSES. ACTUAL FIELD CONDITIONS MAY VARY. THE CONTRACTOR MAY UTILIZE A DIFFERENT DRIVEWAY TYPE/CONFIGURATION AS WARRANTED BY SITE CONDITIONS, SUBJECT TO COORDINATION WITH AND APPROVAL BY THE ENGINEER, AND IN ACCORDANCE WITH APPLICABLE STANDARDS AND REQUIREMENTS WHERE APPLICABLE.

100% SUBMITTAL



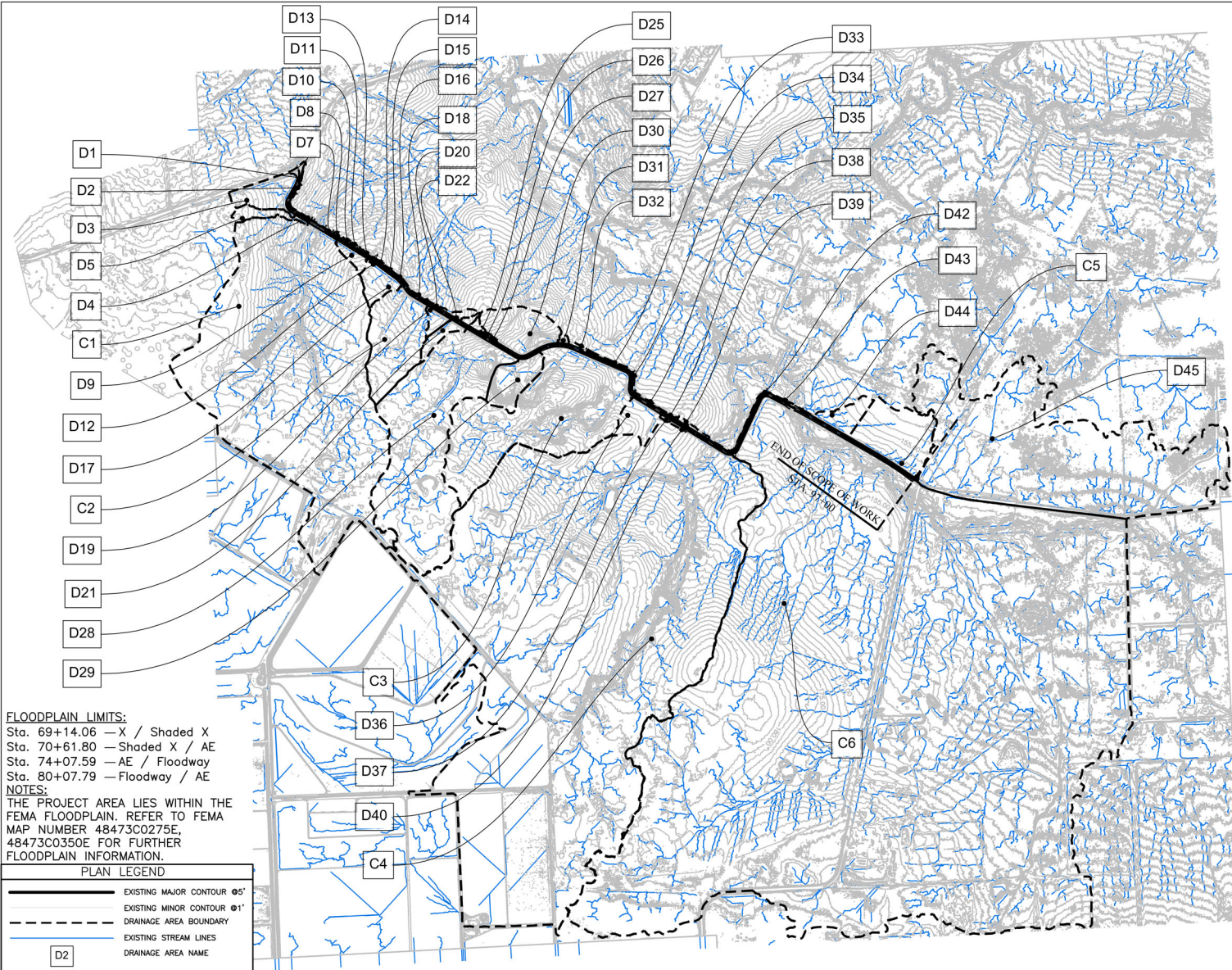
5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENTTRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICESADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
DRIVEWAYS SUMMARY

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 51 |

PLOT DATE: 5/20/2026 4:42 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\FIG13\5-Final Design\13-Final Design\13-Drainage Area Map.dwg



FLOODPLAIN LIMITS:
 Sta. 69+14.06 — X / Shaded X
 Sta. 70+61.80 — Shaded X / AE
 Sta. 74+07.59 — AE / Floodway
 Sta. 80+07.79 — Floodway / AE

NOTES:
 THE PROJECT AREA LIES WITHIN THE
 FEMA FLOODPLAIN. REFER TO FEMA
 MAP NUMBER 48473C0275E,
 48473C0350E FOR FURTHER
 FLOODPLAIN INFORMATION.

PLAN LEGEND

| | |
|--|----------------------------|
| | EXISTING MAJOR CONTOUR @5' |
| | EXISTING MINOR CONTOUR @1' |
| | DRAINAGE AREA BOUNDARY |
| | EXISTING STREAM LINES |
| | DRAINAGE AREA NAME |

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

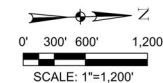
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
 238 WESTCOTT STREET
 HOUSTON, TEXAS 77007
 PH: 877.463.1699
 TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
 FM 359 TO WILSON ROAD
 DRAINAGE AREA MAP (CONTOURS)

| Existing Hydrology Calculations (Rational Method) | | | | | |
|---|----------|--------|--------|--------|--------|
| ID | Area(ac) | Runoff | | | |
| | | 2 YR | 5 YR | 10 Yr | 25 Yr |
| | | CFS | CFS | CFS | CFS |
| D1 | 0.257 | 0.69 | 0.84 | 0.97 | 1.14 |
| D2 | 0.093 | 0.26 | 0.32 | 0.37 | 0.43 |
| D3 | 5.609 | 4.65 | 5.74 | 6.66 | 7.95 |
| D4 | 0.318 | 0.81 | 0.99 | 1.14 | 1.34 |
| D5 | 2.120 | 1.88 | 2.31 | 2.66 | 3.13 |
| C1 | 140.290 | 30.67 | 38.79 | 46.07 | 56.60 |
| D7 | 0.066 | 0.18 | 0.22 | 0.26 | 0.30 |
| D8 | 0.275 | 1.02 | 1.25 | 1.43 | 1.69 |
| D9 | 1.497 | 1.77 | 2.17 | 2.50 | 2.94 |
| D10 | 0.099 | 0.46 | 0.57 | 0.65 | 0.77 |
| D11 | 0.212 | 0.58 | 0.70 | 0.81 | 0.95 |
| D12 | 0.098 | 0.46 | 0.56 | 0.64 | 0.75 |
| D14 | 0.089 | 0.25 | 0.30 | 0.35 | 0.41 |
| D15 | 0.07 | 0.21 | 0.25 | 0.29 | 0.34 |
| D16 | 0.09 | 0.26 | 0.32 | 0.37 | 0.43 |
| D17 | 3.51 | 3.43 | 4.22 | 4.87 | 5.76 |
| D18 | 0.14 | 0.39 | 0.48 | 0.55 | 0.65 |
| D19 | 1.38 | 1.54 | 1.89 | 2.17 | 2.56 |
| C2 | 15.90 | 9.48 | 11.75 | 13.68 | 16.38 |
| D20 | 0.82 | 1.33 | 1.63 | 1.88 | 2.21 |
| D21 | 1.88 | 2.06 | 2.53 | 2.92 | 3.46 |
| D22 | 0.39 | 0.50 | 0.61 | 0.70 | 0.83 |
| D25 | 0.48 | 0.64 | 0.79 | 0.90 | 1.06 |
| D26 | 0.12 | 0.29 | 0.36 | 0.41 | 0.48 |
| D27 | 0.10 | 4.75 | 5.81 | 6.67 | 7.84 |
| D28 | 53.07 | 13.07 | 16.51 | 19.60 | 24.05 |
| D29 | 6.08 | 6.51 | 8.02 | 9.27 | 11.00 |
| D30 | 8.97 | 6.48 | 7.99 | 9.27 | 11.04 |
| D31 | 0.31 | 0.57 | 0.69 | 0.79 | 0.93 |
| D32 | 0.30 | 0.52 | 0.63 | 0.73 | 0.85 |
| D33 | 0.04 | 0.18 | 0.22 | 0.25 | 0.30 |
| D34 | 0.14 | 0.45 | 0.55 | 0.63 | 0.74 |
| D35 | 0.40 | 0.84 | 1.03 | 1.19 | 1.40 |
| D36 | 4.30 | 3.90 | 4.79 | 5.52 | 6.52 |
| C3 | 46.63 | 12.65 | 15.92 | 18.82 | 22.98 |
| D37 | 0.17 | 0.31 | 0.38 | 0.43 | 0.51 |
| D38 | 0.09 | 0.16 | 0.19 | 0.22 | 0.26 |
| D39 | 0.22 | 0.35 | 0.43 | 0.50 | 0.58 |
| D40 | 0.24 | 0.45 | 0.55 | 0.63 | 0.74 |
| C4 | 338.22 | 49.27 | 62.94 | 75.44 | 93.80 |
| D41 | 0.03 | 0.16 | 0.20 | 0.23 | 0.27 |
| D42 | 0.54 | 1.16 | 1.42 | 1.64 | 1.93 |
| D43 | 0.18 | 0.48 | 0.59 | 0.67 | 0.79 |
| D44 | 3.68 | 2.65 | 3.27 | 3.78 | 4.50 |
| D45 | 96.05 | 27.24 | 34.21 | 40.34 | 49.12 |
| C5 | 13.23 | 6.26 | 7.78 | 9.07 | 10.88 |
| C6 | 625.67 | 97.14 | 123.74 | 147.94 | 183.33 |



100% SUBMITTAL



5/30/2026

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 52 |

Existing Hydrology Calculations (Rational Method)

| Sub_DA | Area(ft^2) | Area(ac) | CN/ Runoff Coefficients | | | | | | | Weighted
Runoff CN | Impervious
% | Time of Concentration | | | | | | | Intensity | | Runoff | |
|--------|---------------|----------|-------------------------|-----------|-------------------------|---------|-------|-----------------------------------|---|-----------------------|-----------------|---|---------|----------|-------------|------------|-------------|--------|-----------|------|--------|--------|
| | | | Area(MI^2) | 69 | 54 | 98 | 98 | Weighted
Runoff
Coefficient | Shallow overland flow in
undefined channels
(V_overland = 0.50 fps) | | | Flow in road ditches
(V_ditch = 2.0 fps) | | | Tc
(min) | Tc
(hr) | | | | | | |
| | | | | Open Area | Residential
Suburban | Streets | Water | | | | | L(shallow) ft | V(sh) | Tsh(min) | | | L(ditch) ft | V(d) | Td(min) | | | |
| | | | | 0.18 | 0.35 | 0.9 | 1 | | | | | | | | | | | | | | | |
| D1 | 11,188.48 | 0.257 | 0.000401 | 0.128 | 0.000 | 0.128 | | 0.54 | 35 | 56.67 | 0.00 | 0.50 | 0.000 | 245 | 2 | 2.042 | 12.04 | 0.2007 | 4.98 | 8.23 | 0.69 | 1.14 |
| D2 | 4,063.23 | 0.093 | 0.000146 | 0.047 | 0.000 | 0.047 | | 0.54 | 35 | 56.67 | 0.00 | 0.50 | 0.000 | 115 | 2 | 0.958 | 10.96 | 0.1826 | 5.16 | 8.52 | 0.26 | 0.43 |
| D3 | 244,344.18 | 5.609 | 0.008765 | 4.297 | 0.676 | 0.637 | | 0.28 | 59 | 13.70 | 410.00 | 0.50 | 13.667 | 1363 | 2 | 11.358 | 35.03 | 0.5838 | 2.94 | 5.02 | 4.65 | 7.95 |
| D4 | 13,869.61 | 0.318 | 0.000498 | 0.159 | 0.000 | 0.159 | | 0.54 | 35 | 56.67 | 0.00 | 0.50 | 0.000 | 470 | 2 | 3.917 | 13.92 | 0.2319 | 4.69 | 7.79 | 0.81 | 1.34 |
| D5 | 92,332.47 | 2.120 | 0.003312 | 2.063 | 0.000 | 0.057 | | 0.20 | 67 | 0.00 | 125.00 | 0.50 | 4.167 | 180 | 2 | 1.500 | 15.67 | 0.2611 | 4.46 | 7.42 | 1.88 | 3.13 |
| C1 | 6,111,049.51 | 140.290 | 0.219204 | 134.550 | 4.024 | 0.118 | 1.598 | 0.19 | 68 | 0.00 | 3,990.00 | 0.50 | 133.000 | 390 | 2 | 3.250 | 146.25 | 2.4375 | 1.12 | 2.07 | 30.67 | 56.60 |
| D7 | 2,861.28 | 0.066 | 0.000103 | 0.033 | 0.000 | 0.033 | | 0.54 | 35 | 56.67 | | 0.50 | 0.000 | 100 | 2 | 0.833 | 10.83 | 0.1806 | 5.18 | 8.56 | 0.18 | 0.30 |
| D8 | 11,988.33 | 0.275 | 0.000430 | 0.000 | 0.083 | 0.193 | | 0.74 | 16 | 89.17 | | 0.50 | 0.000 | 200 | 2 | 1.667 | 11.67 | 0.1944 | 5.04 | 8.33 | 1.02 | 1.69 |
| D9 | 65,227.12 | 1.497 | 0.002340 | 1.305 | 0.067 | 0.125 | | 0.25 | 63 | 7.98 | | 0.50 | 0.000 | 400 | 2 | 3.333 | 13.33 | 0.2222 | 4.78 | 7.92 | 1.77 | 2.94 |
| D10 | 4,313.34 | 0.099 | 0.000155 | 0.000 | | 0.099 | | 0.90 | 0 | 100.00 | | 0.50 | 0.000 | 85 | 2 | 0.708 | 10.71 | 0.1785 | 5.20 | 8.59 | 0.46 | 0.77 |
| D11 | 9,237.38 | 0.212 | 0.000331 | 0.106 | | 0.106 | | 0.54 | 35 | 56.67 | | 0.50 | 0.000 | 210 | 2 | 1.750 | 11.75 | 0.1958 | 5.03 | 8.31 | 0.58 | 0.95 |
| D12 | 4,278.20 | 0.098 | 0.000153 | 0.000 | | 0.098 | | 0.90 | 0 | 100.00 | | 0.50 | 0.000 | 120 | 2 | 1.000 | 11.00 | 0.1833 | 5.15 | 8.51 | 0.46 | 0.75 |
| D13 | N/A | | | | | | | | | | | | | | | | | | | | | |
| D14 | 3,877.89 | 0.089 | 0.000139 | 0.045 | | 0.045 | | 0.54 | 35 | 56.67 | | 0.50 | 0.000 | 115 | 2 | 0.958 | 10.96 | 0.1826 | 5.16 | 8.52 | 0.25 | 0.41 |
| D15 | 3,238.34 | 0.07 | 0.000116 | 0.037 | | 0.037 | | 0.54 | 35 | 56.67 | | 0.50 | 0.000 | 110 | 2 | 0.917 | 10.92 | 0.1819 | 5.17 | 8.53 | 0.21 | 0.34 |
| D16 | 4,120.69 | 0.09 | 0.000148 | 0.047 | | 0.047 | | 0.54 | 35 | 56.67 | | 0.50 | 0.000 | 120 | 2 | 1.000 | 11.00 | 0.1833 | 5.15 | 8.51 | 0.26 | 0.43 |
| D17 | 153,033.95 | 3.51 | 0.005489 | 2.396 | 0.998 | 0.119 | | 0.25 | 62 | 8.79 | 210.00 | 0.50 | 7.000 | 500 | 2 | 4.167 | 21.17 | 0.3528 | 3.87 | 6.49 | 3.43 | 5.76 |
| D18 | 6,260.40 | 0.14 | 0.000225 | 0.072 | | 0.072 | | 0.54 | 35 | 56.67 | | 0.50 | 0.000 | 175 | 2 | 1.458 | 11.46 | 0.1910 | 5.07 | 8.39 | 0.39 | 0.65 |
| D19 | 60,131.27 | 1.38 | 0.002157 | 1.286 | | 0.094 | | 0.23 | 64 | 4.84 | | 0.50 | 0.000 | 315 | 2 | 2.625 | 12.63 | 0.2104 | 4.88 | 8.09 | 1.54 | 2.56 |
| C2 | 692,604.69 | 15.90 | 0.024844 | 11.417 | 4.362 | 0.121 | | 0.23 | 64 | 5.35 | 910.00 | 0.50 | 30.333 | 400 | 2 | 3.333 | 43.67 | 0.7278 | 2.57 | 4.44 | 9.48 | 16.38 |
| D20 | 35,577.16 | 0.82 | 0.001276 | 0.365 | 0.368 | 0.084 | | 0.33 | 55 | 21.71 | | 0.50 | 0.000 | 270 | 2 | 2.250 | 12.25 | 0.2042 | 4.94 | 8.18 | 1.33 | 2.21 |
| D21 | 81,710.98 | 1.88 | 0.002931 | 1.061 | 0.750 | 0.064 | | 0.27 | 61 | 12.10 | 230.00 | 0.50 | 7.667 | 210 | 2 | 1.750 | 19.42 | 0.3236 | 4.03 | 6.76 | 2.06 | 3.46 |
| D22 | 17,173.60 | 0.39 | 0.000616 | 0.358 | | 0.036 | | 0.25 | 63 | 7.57 | | 0.50 | 0.000 | 110 | 2 | 0.917 | 10.92 | 0.1819 | 5.17 | 8.53 | 0.50 | 0.83 |
| D23 | N/A | | | | | | | | | | | | | | | | | | | | | |
| D24 | N/A | | | | | | | | | | | | | | | | | | | | | |
| D25 | 20,825.66 | 0.48 | 0.000747 | 0.421 | | 0.057 | | 0.27 | 61 | 10.90 | | 0.50 | 0.000 | 180 | 2 | 1.500 | 11.50 | 0.1917 | 5.07 | 8.37 | 0.64 | 1.06 |
| D26 | 5,411.47 | 0.12 | 0.000194 | 0.020 | 0.075 | 0.030 | | 0.45 | 43 | 42.49 | | 0.50 | 0.000 | 90 | 2 | 0.750 | 10.75 | 0.1792 | 5.20 | 8.58 | 0.29 | 0.48 |
| D27 | 4,300.00 | 0.10 | 0.000154 | 0.073 | | 0.026 | | 0.37 | 51 | 28.23 | | 0.50 | 0.000 | 80 | 2 | 0.667 | 10.67 | 0.1778 | 5.21 | 8.60 | 0.19 | 0.31 |
| D28 | 2,311,784.41 | 53.07 | 0.082924 | 49.588 | 1.722 | 0.212 | 1.550 | 0.21 | 66 | 2.06 | 3,720.00 | 0.50 | 124.000 | 700 | 2 | 5.833 | 139.83 | 2.3306 | 1.16 | 2.13 | 13.07 | 24.05 |
| D29 | 264,736.60 | 6.08 | 0.009496 | 5.033 | | 1.045 | 0.000 | 0.30 | 57 | 17.29 | 400.00 | 0.50 | 13.333 | 230 | 2 | 1.917 | 25.25 | 0.4208 | 3.53 | 5.96 | 6.51 | 11.00 |
| D30 | 390,744.05 | 8.97 | 0.014016 | 7.197 | 1.473 | 0.300 | | 0.23 | 64 | 5.34 | 450.00 | 0.50 | 15.000 | 800 | 2 | 6.667 | 31.67 | 0.5278 | 3.11 | 5.30 | 6.48 | 11.04 |
| D31 | 13,471.25 | 0.31 | 0.000483 | 0.117 | 0.154 | 0.039 | | 0.35 | 53 | 25.79 | | 0.50 | 0.000 | 120 | 2 | 1.000 | 11.00 | 0.1833 | 5.15 | 8.51 | 0.57 | 0.93 |
| D32 | 13,282.43 | 0.30 | 0.000476 | 0.238 | | 0.067 | | 0.34 | 54 | 23.09 | | 0.50 | 0.000 | 225 | 2 | 1.875 | 11.88 | 0.1979 | 5.00 | 8.28 | 0.52 | 0.85 |
| D33 | 1,674.52 | 0.04 | 0.000060 | 0.000 | | 0.038 | | 0.90 | 0 | 100.00 | | 0.50 | 0.000 | 100 | 2 | 0.833 | 10.83 | 0.1806 | 5.18 | 8.56 | 0.18 | 0.30 |
| D34 | 6,212.35 | 0.14 | 0.000223 | 0.057 | | 0.086 | | 0.61 | 28 | 68.67 | | 0.50 | 0.000 | 140 | 2 | 1.167 | 11.17 | 0.1861 | 5.12 | 8.46 | 0.45 | 0.74 |
| D35 | 17,344.61 | 0.40 | 0.000622 | 0.246 | | 0.152 | | 0.46 | 43 | 42.54 | | 0.50 | 0.000 | 500 | 2 | 4.167 | 14.17 | 0.2361 | 4.66 | 7.73 | 0.84 | 1.40 |
| D36 | 187,095.92 | 4.30 | 0.006711 | 4.062 | | 0.233 | | 0.22 | 65 | 3.17 | 150.00 | 0.50 | 5.000 | 400 | 2 | 3.333 | 18.33 | 0.3056 | 4.15 | 6.93 | 3.90 | 6.52 |
| C3 | 2,031,071.04 | 46.63 | 0.072855 | 42.946 | 3.099 | 0.582 | | 0.20 | 67 | 0.05 | 2,730.00 | 0.50 | 91.000 | 1420 | 2 | 11.833 | 112.83 | 1.8806 | 1.35 | 2.46 | 12.65 | 22.98 |
| D37 | 7,251.42 | 0.17 | 0.000260 | 0.125 | | 0.042 | | 0.36 | 52 | 26.67 | | 0.50 | 0.000 | 115 | 2 | 0.958 | 10.96 | 0.1826 | 5.16 | 8.52 | 0.31 | 0.51 |
| D38 | 3,791.88 | 0.09 | 0.000136 | 0.066 | | 0.021 | | 0.35 | 52 | 25.47 | | 0.50 | 0.000 | 100 | 2 | 0.833 | 10.83 | 0.1806 | 5.18 | 8.56 | 0.16 | 0.26 |
| D39 | 9,500.24 | 0.22 | 0.000341 | 0.177 | | 0.041 | | 0.31 | 56 | 19.16 | | 0.50 | 0.000 | 135 | 2 | 1.125 | 11.13 | 0.1854 | 5.13 | 8.48 | 0.35 | 0.58 |
| D40 | 10,447.54 | 0.24 | 0.000375 | 0.176 | | 0.064 | | 0.37 | 51 | 28.62 | | 0.50 | 0.000 | 200 | 2 | 1.667 | 11.67 | 0.1944 | 5.04 | 8.33 | 0.45 | 0.74 |
| C4 | 14,732,699.56 | 338.22 | 0.528463 | 331.913 | 4.293 | 0.298 | 1.711 | 0.19 | 68 | 0.00 | 6,600.00 | 0.50 | 220.000 | 1000 | 2 | 8.333 | 238.33 | 3.9722 | 0.78 | 1.48 | 49.27 | 93.80 |
| D41 | N/A | | | | | | | | | | | | | | | | | | | | | |
| D42 | 23,606.39 | 0.54 | 0.000847 | 0.303 | | 0.239 | | 0.50 | 39 | 49.53 | | 0.50 | 0.000 | 840 | 2 | 7.000 | 17.00 | 0.2833 | 4.30 | 7.17 | 1.16 | 1.93 |
| D43 | 7,669.40 | 0.18 | 0.000275 | 0.087 | | 0.090 | | 0.55 | 34 | 57.69 | | 0.50 | 0.000 | 240 | 2 | 2.000 | 12.00 | 0.2000 | 4.98 | 8.25 | 0.48 | 0.79 |
| D44 | 160,260.94 | 3.68 | 0.005749 | 3.491 | | 0.188 | | 0.22 | 65 | 2.80 | 390.00 | 0.50 | 13.000 | 620 | 2 | 5.167 | 28.17 | 0.4694 | 3.32 | 5.64 | 2.65 | 4.50 |
| D45 | 4,184,003.16 | 96.05 | 0.150080 | 93.322 | 1.659 | 1.071 | | 0.19 | 68 | 0.00 | 1,800.00 | 0.50 | 60.000 | 3500 | 2 | 29.167 | 99.17 | 1.6528 | 1.49 | 2.68 | 27.24 | 49.12 |
| C5 | 576,401.01 | 13.23 | 0.020676 | 12.643 | 0.306 | 0.284 | | 0.20 | 67 | 0.00 | 780.00 | 0.50 | 26.000 | 1620 | 2 | 13.500 | 49.50 | 0.8250 | 2.37 | 4.13 | 6.26 | 10.88 |
| C6 | 27,254,287.55 | 625.67 | 0.977613 | 625.672 | | | | 0.18 | 69 | 0.00 | 4,500.00 | 0.50 | 150.000 | 5800 | 2 | 48.333 | 208.33 | 3.4722 | 0.86 | 1.63 | 97.14 | 183.33 |

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
HYDROLOGY CALCULATION

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 53 |



PLOT DATE: 5/30/2026 4:43 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WE PROJECTS-Final Design\3-Final Design\03_Sheets\Drainage Area Map.dwg

| Basin ID | Area (Acres) | Event (yr) | Q ft ³ /s | Q Cumm. (ft ³ /s) | U/S Channel FL | D/S Channel FL | Channel Length (ft) | Channel Slope (ft/ft) | Channel Width b (ft) | manni n | slope z(z:1) | Nominal depth y(ft) ≤2ft | A=(b+zy) y | WP= b+2y(1+z^2)^1/2 | R= A/WP | R^2/3 | S^1/2 | Actual Q (cfs) | velocity ft/s ≤4 | Freeboard (ft) ≥0.5ft (Min. H=2.5') |
|----------|--------------|------------|----------------------|------------------------------|----------------|----------------|---------------------|-----------------------|----------------------|---------|--------------|--------------------------|------------|---------------------|---------|--------|--------|----------------|------------------|-------------------------------------|
| D1 | 0.26 | 100 Yr | 1.3996 | 1.3996 | 171.6400 | 167.9100 | 135.23 | 0.0275826 | 0.5 | 0.04 | 4 | 0.36 | 0.6984 | 3.4686 | 0.2013 | 0.3435 | 0.1661 | 1.4803 | 2.1195 | 2.14 |
| D2 | 0.09 | 100 Yr | 0.5252 | 1.9248 | 167.7200 | 167.1400 | 86.285 | 0.0067219 | 0.5 | 0.04 | 4 | 0.55 | 1.485 | 5.0354 | 0.2949 | 0.4431 | 0.0820 | 2.0040 | 1.3495 | 1.95 |
| D3 | 5.61 | 100 Yr | 9.9734 | 9.9734 | 170.3724 | 163.1000 | 532.503 | 0.013657 | 0.5 | 0.04 | 4 | 0.92 | 3.8456 | 8.0865 | 0.4756 | 0.6093 | 0.1169 | 10.1719 | 2.6451 | 1.58 |
| D4 | 0.32 | 100 Yr | 1.6451 | 3.5699 | 166.9400 | 159.5800 | 468.9965 | 0.0156931 | 0.5 | 0.04 | 4 | 0.59 | 1.6874 | 5.3653 | 0.3145 | 0.4625 | 0.1253 | 3.6317 | 2.1523 | 1.91 |
| D5 | 2.12 | 100 Yr | 3.8588 | 13.8322 | 162.1800 | 159.6300 | 148.1965 | 0.0172069 | 0.5 | 0.04 | 4 | 1 | 4.5 | 8.7462 | 0.5145 | 0.6421 | 0.1312 | 14.0805 | 3.1290 | 1.5 |
| D7 | 0.07 | 100 Yr | 0.3713 | 4.5374 | 159.4200 | 158.6900 | 68.8785 | 0.0105984 | 0.5 | 0.04 | 4 | 0.7 | 2.31 | 6.2723 | 0.3683 | 0.5138 | 0.1029 | 4.5392 | 1.9650 | 1.8 |
| D8 | 0.28 | 100 Yr | 2.0641 | 4.1662 | 163.9000 | 160.1700 | 72.3828 | 0.0515316 | 0.5 | 0.04 | 4 | 0.49 | 1.2054 | 4.5406 | 0.2655 | 0.4131 | 0.2270 | 4.1989 | 3.4834 | 2.01 |
| D9 | 1.50 | 100 Yr | 3.6089 | 4.5294 | 169.5100 | 162.5300 | 352.5568 | 0.0197982 | 0.5 | 0.04 | 4 | 0.62 | 1.8476 | 5.6127 | 0.3292 | 0.4768 | 0.1407 | 4.6044 | 2.4921 | 1.88 |
| D10 | 0.10 | 100 Yr | 0.9365 | 2.1021 | 165.9500 | 163.9000 | 51.1544 | 0.0400748 | 0.5 | 0.04 | 4 | 0.39 | 0.8034 | 3.7160 | 0.2162 | 0.3602 | 0.2002 | 2.1523 | 2.6789 | 2.11 |
| D11 | 0.21 | 100 Yr | 1.1656 | 1.1656 | 170.9500 | 166.9700 | 263.645 | 0.0150961 | 0.5 | 0.04 | 4 | 0.37 | 0.7326 | 3.5511 | 0.2063 | 0.3491 | 0.1229 | 1.1675 | 1.5937 | 2.13 |
| D12 | 0.10 | 100 Yr | 0.9205 | 0.9205 | 171.1200 | 169.9200 | 148.685 | 0.0080708 | 0.5 | 0.04 | 4 | 0.39 | 0.8034 | 3.7160 | 0.2162 | 0.3602 | 0.0898 | 0.9659 | 1.2022 | 2.11 |
| D13 | 0.00 | 100 Yr | 0.0000 | 0.0000 | | | | | | | | | | | | | | | | |
| D14 | 0.09 | 100 Yr | 0.5012 | 0.5012 | 170.9500 | 170.4400 | 71.663 | 0.0071166 | 0.5 | 0.04 | 4 | 0.31 | 0.5394 | 3.0563 | 0.1765 | 0.3146 | 0.0844 | 0.5319 | 0.9861 | 2.19 |
| D15 | 0.07 | 100 Yr | 0.4191 | 0.9204 | 170.2100 | 169.6500 | 79.7208 | 0.0070245 | 0.5 | 0.04 | 4 | 0.4 | 0.84 | 3.7985 | 0.2211 | 0.3657 | 0.0838 | 0.9564 | 1.1386 | 2.1 |
| D16 | 0.09 | 100 Yr | 0.5319 | 1.4523 | 169.4000 | 168.9700 | 102.7849 | 0.0041835 | 0.5 | 0.04 | 4 | 0.54 | 1.4364 | 4.9530 | 0.2900 | 0.4381 | 0.0647 | 1.5122 | 1.0528 | 1.96 |
| D17 | 3.51 | 100 Yr | 7.1412 | 7.1412 | 171.1200 | 168.6000 | 357.7549 | 0.0070439 | 0.5 | 0.04 | 4 | 0.92 | 3.8456 | 8.0865 | 0.4756 | 0.6093 | 0.0839 | 7.3052 | 1.8996 | 1.58 |
| D18 | 0.14 | 100 Yr | 0.7969 | 4.5122 | 168.6600 | 168.0500 | 151.4231 | 0.0040284 | 0.5 | 0.04 | 4 | 0.85 | 3.315 | 7.5093 | 0.4415 | 0.5798 | 0.0635 | 4.5318 | 1.3671 | 1.65 |
| D19 | 1.38 | 100 Yr | 3.1366 | 7.4087 | 171.7500 | 168.2500 | 302.0731 | 0.0115866 | 0.5 | 0.04 | 4 | 0.84 | 3.2424 | 7.4268 | 0.4366 | 0.5755 | 0.1076 | 7.4618 | 2.3013 | 1.66 |
| D20 | 0.82 | 100 Yr | 2.7052 | 3.7153 | 173.2700 | 168.7800 | 248.036 | 0.0181022 | 0.5 | 0.04 | 4 | 0.58 | 1.6356 | 5.2828 | 0.3096 | 0.4577 | 0.1345 | 3.7415 | 2.2875 | 1.92 |
| D21 | 1.88 | 100 Yr | 4.2722 | 4.2722 | 175.2000 | 172.2600 | 171.5483 | 0.017138 | 0.5 | 0.04 | 4 | 0.62 | 1.8476 | 5.6127 | 0.3292 | 0.4768 | 0.1309 | 4.2839 | 2.3186 | 1.88 |
| D22 | 0.39 | 100 Yr | 1.0101 | 1.0101 | 175.2000 | 173.7900 | 82.4418 | 0.017103 | 0.5 | 0.04 | 4 | 0.34 | 0.6324 | 3.3037 | 0.1914 | 0.3321 | 0.1308 | 1.0205 | 1.6137 | 2.16 |
| D23 | 0.00 | 100 Yr | 0.0000 | 0.0000 | | | | | | | | | | | | | | | | |
| D24 | 0.00 | 100 Yr | 0.0000 | 0.0000 | | | | | | | | | | | | | | | | |
| D25 | 0.48 | 100 Yr | 1.3012 | 1.3012 | 175.1800 | 172.7200 | 142.7218 | 0.0172363 | 0.5 | 0.04 | 4 | 0.38 | 0.7676 | 3.6336 | 0.2113 | 0.3547 | 0.1313 | 1.3280 | 1.7300 | 2.12 |
| D26 | 0.12 | 100 Yr | 0.5932 | 1.8944 | 172.1000 | 171.1000 | 58.3222 | 0.0171461 | 0.5 | 0.04 | 4 | 0.45 | 1.035 | 4.2108 | 0.2458 | 0.3924 | 0.1309 | 1.9756 | 1.9088 | 2.05 |
| D27 | 0.10 | 100 Yr | 0.3837 | 2.2780 | 170.4400 | 169.5400 | 52.4842 | 0.017148 | 0.5 | 0.04 | 4 | 0.48 | 1.1616 | 4.4582 | 0.2606 | 0.4079 | 0.1310 | 2.3053 | 1.9846 | 2.02 |
| D28 | 53.07 | 100 Yr | 31.5991 | 31.5991 | 175.1800 | 164.0900 | 658.575 | 0.0168394 | 0.5 | 0.04 | 4 | 1.39 | 8.4234 | 11.9622 | 0.7042 | 0.7915 | 0.1298 | 32.1410 | 3.8157 | 1.11 |
| D29 | 6.08 | 100 Yr | 13.6849 | 45.2840 | 163.7200 | 161.6900 | 212.7748 | 0.0095406 | 0.5 | 0.04 | 4 | 1.78 | 13.5636 | 15.1783 | 0.8936 | 0.9278 | 0.0977 | 45.6622 | 3.3665 | 0.72 |
| D30 | 8.97 | 100 Yr | 13.8085 | 9.6713 | 168.4500 | 159.5600 | 776.4498 | 0.0114495 | 0.5 | 0.04 | 4 | 0.94 | 4.0044 | 8.2514 | 0.4853 | 0.6175 | 0.1070 | 9.8302 | 2.4548 | 1.56 |
| D31 | 0.31 | 100 Yr | 1.1424 | 17.2290 | 159.4700 | 159.2000 | 89.6943 | 0.0030102 | 0.5 | 0.04 | 4 | 1.53 | 10.1286 | 13.1167 | 0.7722 | 0.8417 | 0.0549 | 17.3763 | 1.7156 | 0.97 |
| D32 | 0.30 | 100 Yr | 1.0469 | 18.2758 | 159.0800 | 158.5900 | 164.4412 | 0.0029798 | 0.5 | 0.04 | 4 | 1.57 | 10.6446 | 13.4466 | 0.7916 | 0.8557 | 0.0546 | 18.4725 | 1.7354 | 0.93 |
| D33 | 0.04 | 100 Yr | 0.3621 | 18.6380 | 156.7200 | 156.6200 | 16.2 | 0.0061728 | 0.5 | 0.04 | 4 | 1.37 | 8.1926 | 11.7973 | 0.6944 | 0.7842 | 0.0786 | 18.7521 | 2.2889 | 1.13 |
| D34 | 0.14 | 100 Yr | 0.9042 | 19.5422 | 157.2400 | 156.7200 | 133.598 | 0.0038923 | 0.5 | 0.04 | 4 | 1.53 | 10.1286 | 13.1167 | 0.7722 | 0.8417 | 0.0624 | 19.7588 | 1.9508 | 0.97 |
| D35 | 0.40 | 100 Yr | 1.7226 | 1.7226 | 161.9700 | 157.6800 | 513.2989 | 0.0083577 | 0.5 | 0.04 | 4 | 0.5 | 1.25 | 4.6231 | 0.2704 | 0.4181 | 0.0914 | 1.7751 | 1.4201 | 2 |
| D36 | 4.30 | 100 Yr | 8.0550 | 8.6799 | 161.3100 | 157.9400 | 364.7431 | 0.0092394 | 0.5 | 0.04 | 4 | 0.94 | 4.0044 | 8.2514 | 0.4853 | 0.6175 | 0.0961 | 8.8306 | 2.2052 | 1.56 |
| D37 | 0.17 | 100 Yr | 0.6249 | 0.6249 | 161.9700 | 161.3100 | 79.2269 | 0.0083305 | 0.5 | 0.04 | 4 | 0.33 | 0.6006 | 3.2212 | 0.1864 | 0.3264 | 0.0913 | 0.6646 | 1.1066 | 2.17 |
| D38 | 0.09 | 100 Yr | 0.3215 | 0.3215 | 161.9700 | 161.4600 | 71.1198 | 0.007171 | 0.5 | 0.04 | 4 | 0.25 | 0.375 | 2.5616 | 0.1464 | 0.2778 | 0.0847 | 0.3277 | 0.8738 | 2.25 |
| D39 | 0.22 | 100 Yr | 0.7126 | 1.0340 | 161.2000 | 158.7200 | 119.2832 | 0.0207909 | 0.5 | 0.04 | 4 | 0.33 | 0.6006 | 3.2212 | 0.1864 | 0.3264 | 0.1442 | 1.0500 | 1.7482 | 2.17 |
| D40 | 0.24 | 100 Yr | 0.9097 | 0.9097 | 161.9700 | 158.3600 | 243.198 | 0.0148439 | 0.5 | 0.04 | 4 | 0.34 | 0.6324 | 3.3037 | 0.1914 | 0.3321 | 0.1218 | 0.9507 | 1.5033 | 2.16 |
| D41 | 0.00 | 100 Yr | 0.0000 | 0.0000 | | | | | | | | | | | | | | | | |
| D42 | 0.54 | 100 Yr | 2.3814 | 2.3814 | 152.8500 | 147.5700 | 765.1406 | 0.0069007 | 0.5 | 0.04 | 4 | 0.59 | 1.6874 | 5.3653 | 0.3145 | 0.4625 | 0.0831 | 2.4083 | 1.4272 | 1.91 |
| D43 | 0.18 | 100 Yr | 0.9715 | 3.3528 | 147.3300 | 146.4300 | 220.348 | 0.0040844 | 0.5 | 0.04 | 4 | 0.76 | 2.6904 | 6.7671 | 0.3976 | 0.5407 | 0.0639 | 3.4537 | 1.2837 | 1.74 |
| D44 | 3.68 | 100 Yr | 5.6092 | 5.6092 | 149.7300 | 146.9200 | 613.913 | 0.0045772 | 0.5 | 0.04 | 4 | 0.91 | 3.7674 | 8.0041 | 0.4707 | 0.6051 | 0.0677 | 5.7296 | 1.5208 | 1.59 |

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
HYDRAULIC CALCULATION
(SHEET 1 OF 2)

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 54 |

PLOT DATE: 5/30/2026 4:45 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC PCT3\5-Final Design\2-Final Design\03_Sheets\Drainage Area Map.dwg

100% SUBMITTAL

 5/30/2026

| | | | | | | |
|---|--------|------|--------|-------|------------|-----------|
| N | DN: | CONT | SECT | JOB | ROAD | |
| | CK DN: | | | 23301 | ADAMS FLAT | |
| | DW: | DIST | COUNTY | | | SHEET NO. |
| | CK DW: | | WALLER | | | 55 |

| DRIVEWAY NUMBER | CULVERT ID | EXISTING PIPE SIZE | PROPOSED PIPE SIZE (IN) | UPSTREAM STATION | UPSTREAM OFFSET | FLOWLINE INLET | DWSTREAM STATION | DWSTREAM OFFSET | FLOWLINE OUTLET | LENGTH (FT) | SLOPE (%) |
|-----------------|------------|--------------------|-------------------------|------------------|-----------------|----------------|------------------|-----------------|-----------------|-------------|-----------|
| 1 | D1 | 18" RCP | 24" RCP | 02+09.44 | 23.45' L | 167.91 | 02+38.09 | 24.80' L | 167.72 | 30.98 | 0.63% |
| 2 | D2 | 18" RCP | 24" RCP | 03+24.46 | 25.25' L | 167.14 | 03+54.41 | 25.25' L | 166.94 | 29.93 | 0.67% |
| 3 | D3 | 24" RCP | 24" RCP | 06+38.73 | 27.20' R | 163.1 | 06+78.87 | 27.10' R | 162.18 | 40.16 | 2.28% |
| 4 | D4 | 18" RCP | 24" RCP | 08+23.36 | 25.25' L | 159.58 | 08+98.56 | 26.30' L | 158.56 | 75.18 | 1.35% |
| 5 | D5 | 18" RCP | 24" RCP | 08+27.00 | 24.90' R | 159.63 | 08+56.07 | 25.30' R | 159.14 | 29.03 | 1.72% |
| 7 | D7 | 18" RCP | 24" RCP | 10+45.13 | 25.50' L | 158.69 | 10+10.56 | 26.40' L | 158.5 | 34.57 | 0.56% |
| 8 | D8 | 18" RCP | 24" RCP | 11+50.89 | 25.25' L | 160.17 | 11+13.96 | 25.55' L | 159.42 | 36.94 | 2.03% |
| 9 | D9 | N/A | 24" RCP | 12+67.28 | 25.10' R | 162.53 | 12+23.31 | 25.05' R | 161.64 | 44.02 | 2.03% |
| 10 | D10 | 18" RCP | 24" RCP | 13+84.58 | 25.25' L | 164.91 | 13+34.65 | 25.25' L | 163.9 | 49.89 | 2.03% |
| 11 | D11 | 18" RCP | 24" RCP | 14+86.37 | 25.25' L | 166.97 | 14+35.51 | 25.25' L | 165.95 | 50.81 | 2.03% |
| 12 | D12 | 18" RCP | 24" RCP | 16+51.85 | 25.10' R | 169.92 | 16+19.84 | 25.00' R | 169.51 | 31.97 | 1.29% |
| 13 | D13 | N/A | | | | | | | | | |
| 14 | D14 | 15" RCP | 24" RCP | 18+21.67 | 25.25' L | 170.44 | 18+57.37 | 25.25' L | 170.21 | 35.7 | 0.65% |
| 15 | D15 | 15" RCP | 24" RCP | 19+37.15 | 25.25' L | 169.65 | 19+72.21 | 25.25' L | 169.4 | 35.07 | 0.72% |
| 16 | D16 | 15" RCP | 24" RCP | 20+76.88 | 21.10' L | 168.47 | 21+16.18 | 20.75' L | 168.32 | 41.02 | 0.38% |
| 17 | D17 | 18" RCP | 24" RCP | 21+57.73 | 21.00' R | 168.1 | 22+04.05 | 21.00' R | 167.77 | 44.23 | 0.73% |
| 18 | D18 | 18" RCP | 24" RCP | 25+29.77 | 24.85' L | 168.05 | 24+96.27 | 25.00' L | 167.88 | 33.5 | 0.50% |
| 19 | D19 | 18" RCP | 24" RCP | 25+69.85 | 24.35' R | 168.25 | 25+39.04 | 24.60' R | 168.1 | 30.8 | 0.50% |
| 20 | D20 | 18" RCP | 24" RCP | 27+14.37 | 24.95' L | 168.78 | 26+81.16 | 24.55' L | 168.66 | 33.2 | 0.37% |
| 21 | D21 | 15" RCP | 24" RCP | 29+03.47 | 23.20' R | 172.26 | 28+71.91 | 23.10' R | 171.76 | 31.56 | 1.59% |
| 22 | D22 | 18" RCP | 24" RCP | 29+92.54 | 23.25' L | 173.79 | 29+62.45 | 23.25' L | 173.27 | 30.13 | 1.71% |
| 23 | D23 | N/A | | | | | | | | | |
| 24 | D24 | N/A | | | | | | | | | |
| 25 | D25 | N/A | 24" RCP | 32+68.99 | 23.25' L | 172.22 | 33+04.66 | 23.25' L | 171.6 | 35.67 | 1.73% |
| 26 | D26 | 15" RCP | 24" RCP | 33+62.98 | 23.25' L | 170.6 | 34+00.82 | 23.25' L | 169.94 | 37.89 | 1.73% |
| 27 | D27 | N/A | 24" RCP | 34+53.35 | 23.25' L | 169.04 | 34+87.50 | 23.25' L | 168.45 | 34.2 | 1.73% |
| 28 | D28 | 15" RCP | 24" RCP | 37+84.86 | 24.10' R | 164.09 | 38+23.91 | 23.90' R | 163.72 | 44.31 | 0.84% |
| 29 | D29 | 15" RCP | 24" RCP | 40+36.72 | 25.25' R | 161.69 | 40+67.96 | 25.25' R | 161.4 | 31.24 | 0.95% |
| 30 | D30 | N/A | 24" RCP | 42+64.11 | 26.00' L | 159.56 | 42+94.21 | 25.75' L | 159.47 | 31.59 | 0.29% |
| 31 | D31 | N/A | 24" RCP | 43+83.99 | 24.95' L | 159.2 | 44+23.06 | 25.00' L | 159.06 | 40.95 | 0.33% |
| 32 | D32 | N/A | 24" RCP | 45+87.52 | 25.25' L | 158.59 | 46+45.53 | 25.25' L | 158.38 | 58.01 | 0.35% |
| 33 | D33 | 15" RCP | 24" RCP | 52+33.95 | 25.10' L | 156.62 | 52+08.76 | 25.65' L | 156.5 | 31.1 | 0.38% |
| 34 | D34 | 15" RCP | 24" RCP | 52+75.32 | 24.55' L | 156.78 | 52+50.62 | 24.90' L | 156.66 | 29.77 | 0.41% |
| 35 | D35 | 18" RCP | 24" RCP | 54+61.82 | 23.65' L | 157.68 | 54+07.96 | 23.60' L | 157.24 | 40.81 | 1.08% |
| 36 | D36 | 24" RCP | 24" RCP | 54+92.49 | 24.50' R | 157.94 | 54+65.13 | 24.50' R | 157.71 | 33.06 | 0.69% |
| 37 | D37 | 15" RCP | 24" RCP | 58+95.78 | 25.25' R | 161.31 | 58+57.33 | 25.25' R | 160.98 | 38.45 | 0.83% |
| 38 | D38 | N/A | 24" RCP | 60+46.12 | 24.65' L | 161.46 | 60+81.66 | 24.20' L | 161.2 | 35.54 | 0.72% |
| 39 | D39 | 15" RCP | 24" RCP | 62+00.89 | 25.25' L | 158.72 | 62+34.39 | 25.25' L | 158.02 | 33.45 | 2.08% |
| 40 | D40 | N/A | 24" RCP | 62+18.17 | 25.25' R | 158.36 | 62+51.40 | 25.25' R | 157.67 | 33.19 | 2.08% |
| 41 | D41 | N/A | | | | | | | | | |
| 42 | D42 | 18" RCP | 24" RCP | 76+36.62 | 25.25' L | 147.57 | 76+73.27 | 25.25' L | 147.33 | 47.63 | 0.50% |
| 43 | D43 | 18" RCP | 24" RCP | 78+93.11 | 26.00' L | 146.43 | 79+24.54 | 27.35' L | 146.23 | 31.45 | 0.63% |
| 44 | D44 | 18" RCP | 24" RCP | 81+35.81 | 27.60' L | 146.92 | 81+04.64 | 27.50' L | 146.74 | 31.31 | 0.57% |
| 45 | D45 | 18" RCP | 24" RCP | 96+83.59 | 25.60' L | 149.85 | 96+43.17 | 26.35' L | 149.53 | 40 | 0.81% |
| N/A | C1 | 36" RCP | 42" RCP | 09+72.01 | 20.50' R | 155.93 | 09+69.71 | 20.49' L | 155.73 | 36.34 | 0.55% |
| N/A | C2 | 24" RCP | 2 X 24" RCP | 23+42.01 | 16.50' R | 167.46 | 23+44.07 | 16.44' L | 167.3 | 33.01 | 0.48% |
| N/A | C3 | 18" RCP | 24" RCP | 51+45.97 | 18.55' R | 156.04 | 51+46.34 | 18.50' L | 155.93 | 37.05 | 0.30% |
| N/A | C4 | 36" RCP | 48" RCP | 66+00.00 | 20.55' R | 148.18 | 66+00.00 | 21.84' L | 148 | 37.05 | 0.42% |
| N/A | C5 | 36" RCP | 42" RCP | 91+70.01 | 18.55' L | 145.91 | 91+70.01 | 19.36' R | 145.78 | 33.48 | 0.35% |

NOTES:

- FOR ALL CROSSING PIPES, THE CONTRACTOR SHALL REGRADE THE EXISTING DITCH AT THE INLET AND OUTLET OF THE PROPOSED PIPE TO PROVIDE A SMOOTH TRANSITION AND CONTINUOUS POSITIVE DRAINAGE TO THE RECEIVING CHANNEL. FINAL DITCH GRADES SHALL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY TO PREVENT PONDING, BACKWATER, OR ABRUPT GRADE BREAKS. REFER TO ROADWAY PLAN/PROFILE SHEETS AND CULVERT SCHEDULE FOR PIPE LOCATIONS, LENGTHS, SIZES, AND FLOWLINE ELEVATIONS.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DRIVEWAY LOCATIONS, DITCH GEOMETRY, FLOWLINE ELEVATIONS, AND UTILITY CONFLICTS PRIOR TO INSTALLATION OF ANY CROSSING PIPE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE CONSTRUCTION.
- PIPE LENGTHS SHOWN IN THE CULVERT SCHEDULE ARE BASED ON DESIGN GEOMETRY AND MAY REQUIRE MINOR FIELD ADJUSTMENT TO MATCH ACTUAL DRIVEWAY WIDTHS, SIDE SLOPES, AND DITCH CONDITIONS. ANY ADJUSTMENT SHALL MAINTAIN THE INTENDED HYDRAULIC FUNCTION AND COVER REQUIREMENTS.
- DITCH FLOWLINES AT PIPE INLETS AND OUTLETS SHALL BE BLENDED SMOOTHLY INTO EXISTING AND PROPOSED GRADES. NO ABRUPT TRANSITIONS WILL BE PERMITTED.
- ALL DITCHES SHALL BE CONSTRUCTED TO DRAIN FREELY TOWARD THE RECEIVING CHANNEL. LOCAL LOW POINTS WILL NOT BE PERMITTED UNLESS SPECIFICALLY SHOWN IN THE PLANS OR APPROVED BY THE ENGINEER.
- WHERE CULVERT FLOWLINE ELEVATIONS SHOWN IN THE SCHEDULE DIFFER FROM INTERPOLATED DITCH PROFILE ELEVATIONS, THE CULVERT SCHEDULE ELEVATIONS SHALL GOVERN AT THE PIPE ENDS, AND THE DITCH SHALL BE GRADED TO PROVIDE A SMOOTH TRANSITION.
- THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AT ALL TIMES DURING CONSTRUCTION. TEMPORARY MEASURES SHALL BE PROVIDED AS NECESSARY TO PREVENT FLOODING OF ADJACENT PROPERTY OR ROADWAY.
- PRIOR TO INSTALLATION OF CROSSING PIPES, THE CONTRACTOR SHALL REMOVE SILT, DEBRIS, VEGETATION, AND OTHER OBSTRUCTIONS AS NECESSARY TO PROVIDE UNOBSTRUCTED FLOW THROUGH THE DITCH AND PIPE.
- PRIOR TO INSTALLATION OF CROSSING PIPES, THE CONTRACTOR SHALL REMOVE SILT, DEBRIS, VEGETATION, AND OTHER OBSTRUCTIONS AS NECESSARY TO PROVIDE UNOBSTRUCTED FLOW THROUGH THE DITCH AND PIPE.
- NO CHANGES TO PIPE SIZE, FLOWLINE ELEVATION, OR LOCATION SHALL BE MADE WITHOUT APPROVAL OF THE ENGINEER.

| Outfall # | 1 | 2 | 3 | 4 | 5 |
|--|--------------------|--------------------|---|--------------------|--------------------------------|
| Crossing Pipe # | C-1 | C-2 | C-3 | C-4 | C-5 |
| Ex. Crossign Pipe Outfall Property address | 6097 ADAMS FLAT RD | 6283 ADAMS FLAT RD | Local Ponding in ROW in front of 6553 ADAMS FLAT ROAD | Property ID: 45710 | WILSON RD BROOKSHIRE, TX 77423 |
| Outfall Property Area | 1.88 AC | 25.121 AC | N/A | 23.23 AC | 29.45 AC |

100% SUBMITTAL

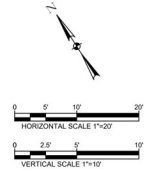


5/30/2026

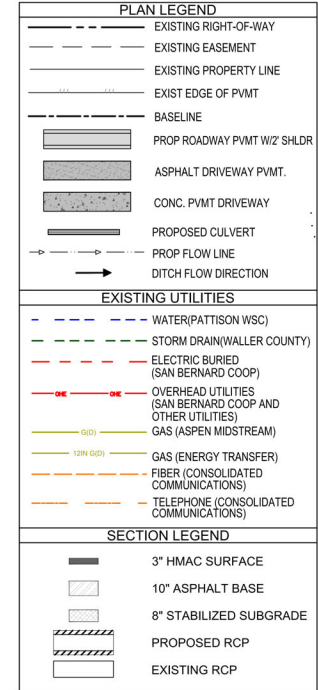
| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENTTRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICESADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PROPOSED CULVERTS SCHEDULE

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 56 |



—PROP. 42" RCP 36.34 LF @ 0.55%
PIPE#C-01, STA. 9+70.83
ST FL=155.93
END FL=155.73



100% SUBMITTAL

[illegible]

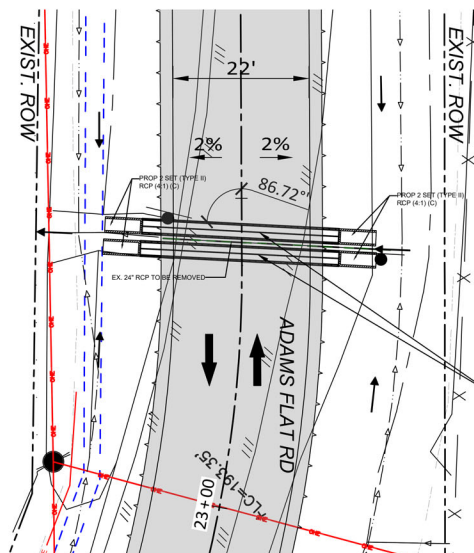
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CULVERT C-1 LAYOUT - STA. 9+70.83

| | | | | | | |
|---|--------|------|--------|-------|------------|-----------|
| N | DN: | CONT | SECT | JOB | ROAD | |
| | CK DN: | | | 23301 | ADAMS FLAT | |
| | DW: | DIST | COUNTY | | | SHEET NO. |
| | CK DW: | | WALLER | | | 57 |

SHALLOW-COVER CULVERT:

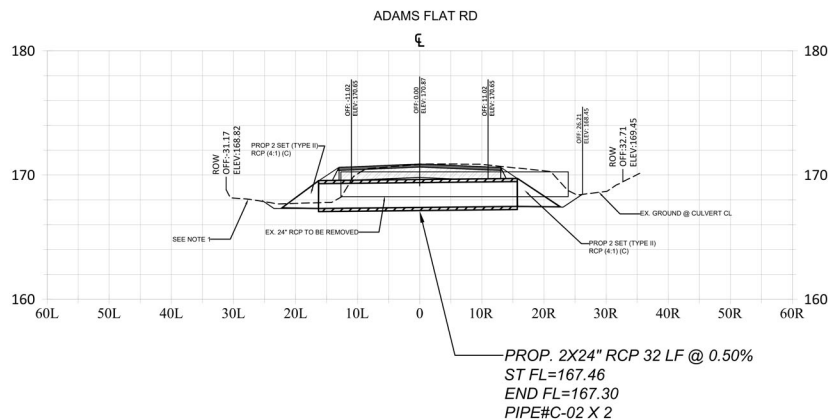
1. PROVIDE 24" RCP, CLASS III (1350-D) MINIMUM, UNLESS NOTED OTHERWISE.
2. THIS CULVERT IS A SHALLOW-COVER INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT DETAILS AND SPECIFIED BEDDING, BACKFILL, AND COMPACTION REQUIREMENTS.
3. MINIMUM COVER FROM FINISHED GRADE TO TOP OF PIPE SHALL BE 13 INCHES (3" HMA + 10" FLEXIBLE BASE).
4. ANY FIELD CONDITION THAT REDUCES THE REQUIRED COVER OR REQUIRES REVISION TO THE SHOWN INSTALLATION SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION.

CALL 25.121 AC TRACT
JULIA L. STANZER
VOL. 1387, PG. 475 O.P.R.W.C.T.
NOVEMBER 1, 2013



JOAN A. GILES
DOC. NO. 2403390 O.P.R.W.C.T.
FEBRUARY 20, 2015

PROP. 2X24" RCP 32 LF @ 0.50%
PIPE#C-02 X 2, STA. 23+42.87
ST FL=167.46
END FL=167.30
(MIN. CLEAR SPACING BETWEEN
ADJACENT 30" RCP BARRELS = 1'-1")



0' 10' 20'
HORIZONTAL SCALE 1"=20'

0' 2' 4' 6' 8' 10'
VERTICAL SCALE 1"=10'

PLAN LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- EXIST EDGE OF PVMT
- BASELINE
- PROP ROADWAY PVMT W/2' SHLDR
- ASPHALT DRIVEWAY PVMT.
- CONC. PVMT DRIVEWAY
- PROPOSED CULVERT
- PROP FLOW LINE
- DITCH FLOW DIRECTION

EXISTING UTILITIES

- WATER (PATTISON WSC)
- STORM DRAIN (WALLER COUNTY)
- ELECTRIC BURIED (SAN BERNARD COOP)
- OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES)
- GAS (ASPEN MIDSTREAM)
- GAS (ENERGY TRANSFER)
- FIBER (CONSOLIDATED COMMUNICATIONS)
- TELEPHONE (CONSOLIDATED COMMUNICATIONS)

SECTION LEGEND

- 3" HMA SURFACE
- 10" ASPHALT BASE
- 8" STABILIZED SUBGRADE
- PROPOSED RCP
- EXISTING RCP

- NOTE:
1. THE CONTRACTOR SHALL ENSURE A MINIMUM POSITIVE LONGITUDINAL SLOPE IS MAINTAINED FROM THE PIPE OUTLET TO THE EXISTING STREAM. ANY LOW SPOTS OR DEPRESSIONS SHALL BE CORRECTED

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

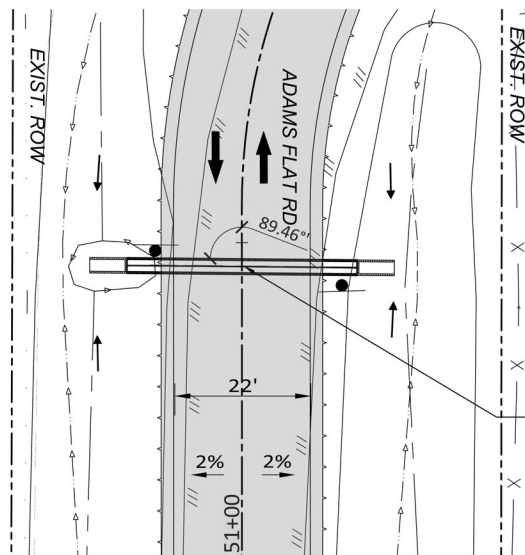


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CULVERT C-2 LAYOUT - STA. 23+42.87

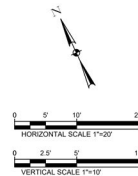
| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 58 |

CALLED 5.014 AC TRACT
KENNETH R. HOLDER
DOC. NO. 500736 O.P.R.W.C.T.
VOL. 878, PG. 294 W.C.D.R.
JANUARY 31, 2005



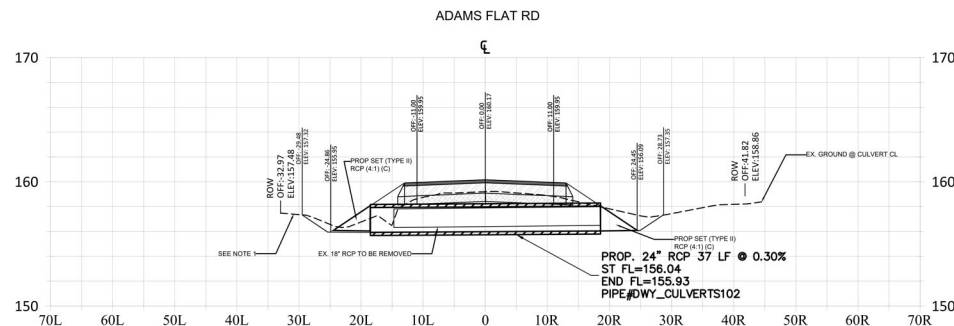
PROP. 24" RCP 37 LF @ 0.30%
PIPE#C-03, STA. 51+46.11
ST FL=156.04
END FL=155.93

KIMBERLY SHAWN MARION
DOC. NO. 2402528 O.P.R.W.C.T.
OCTOBER 13, 2023



| PLAN LEGEND | |
|--------------------|---|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING EASEMENT |
| | EXISTING PROPERTY LINE |
| | EXIST. EDGE OF PVMT |
| BASELINE | |
| | PROP ROADWAY PVMT W/2' SHLDR |
| | ASPHALT DRIVEWAY PVMT. |
| | CONC. PVMT DRIVEWAY |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | DITCH FLOW DIRECTION |
| EXISTING UTILITIES | |
| | WATER(PATTISON WSC) |
| | STORM DRAIN(WALLER COUNTY) |
| | ELECTRIC BURIED (SAN BERNARD COOP) |
| | OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES) |
| | GAS (ASPEN MIDSTREAM) |
| | GAS (ENERGY TRANSFER) |
| | FIBER (CONSOLIDATED COMMUNICATIONS) |
| | TELEPHONE (CONSOLIDATED COMMUNICATIONS) |
| SECTION LEGEND | |
| | 3" HMAC SURFACE |
| | 10" ASPHALT BASE |
| | 8" STABILIZED SUBGRADE |
| | PROPOSED RCP |
| | EXISTING RCP |

- NOTE:
1. THE CONTRACTOR SHALL ENSURE A MINIMUM POSITIVE LONGITUDINAL SLOPE IS MAINTAINED FROM THE PIPE OUTLET TO THE EXISTING STREAM. ANY LOW SPOTS OR DEPRESSIONS SHALL BE CORRECTED



100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



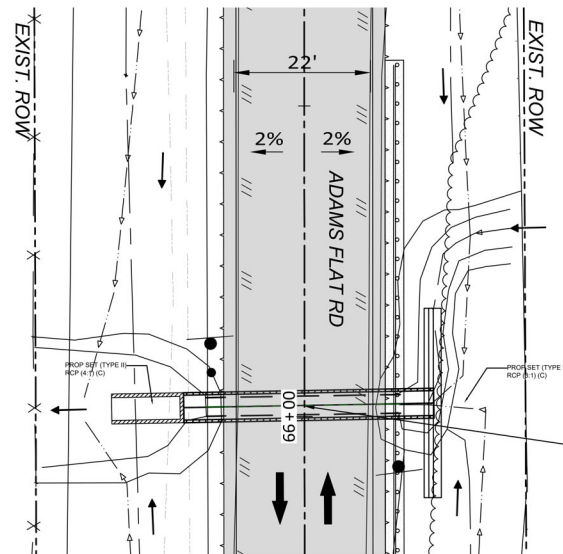
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CULVERT C-3 LAYOUT - STA. 51+46.11

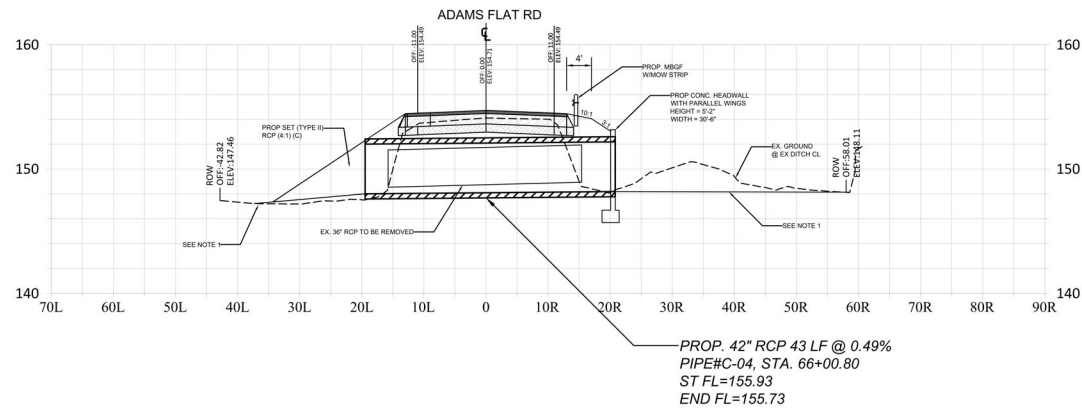
| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 59 |

CALLED 23.23 AC TRACT
KATHY H. MILLS, ET AL
VOL. 958, PG. 778 W.C.D.R.
APRIL 28, 2006

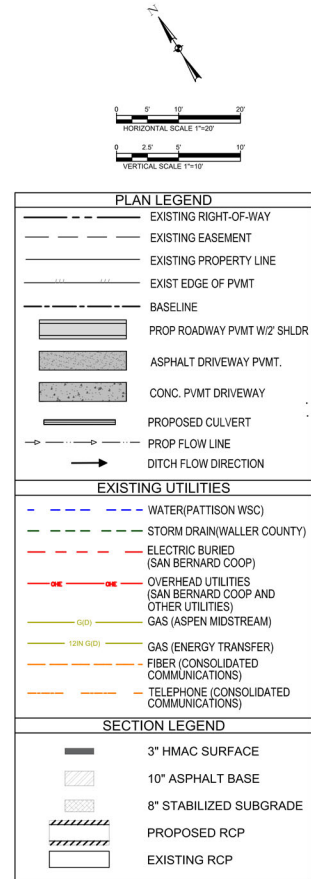
CALLED 109.974 AC TRACT
MICHAEL L. PEAY AND WIFE,
JAMIE L. PEAY
VOL. 0744, PG. 346 W.C.D.R.
AUGUST 27, 2002



PROP. 42" RCP 43 LF @ 0.49%
PIPE#C-04, STA. 66+00.80
ST FL=155.93
END FL=155.73



PROP. 42" RCP 43 LF @ 0.49%
PIPE#C-04, STA. 66+00.80
ST FL=155.93
END FL=155.73



NOTE:
1. THE CONTRACTOR SHALL ENSURE A MINIMUM POSITIVE LONGITUDINAL SLOPE IS MAINTAINED FROM THE PIPE OUTLET TO THE EXISTING STREAM. ANY LOW SPOTS OR DEPRESSIONS SHALL BE CORRECTED

100% SUBMITTAL



6/18/2026

PLOT DATE: 7/4/2020 2:15 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC_POT3\5-Final Design\2-Final Design\03_Sheet\WFL_LATERAL_SEC_BASE.dwg

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



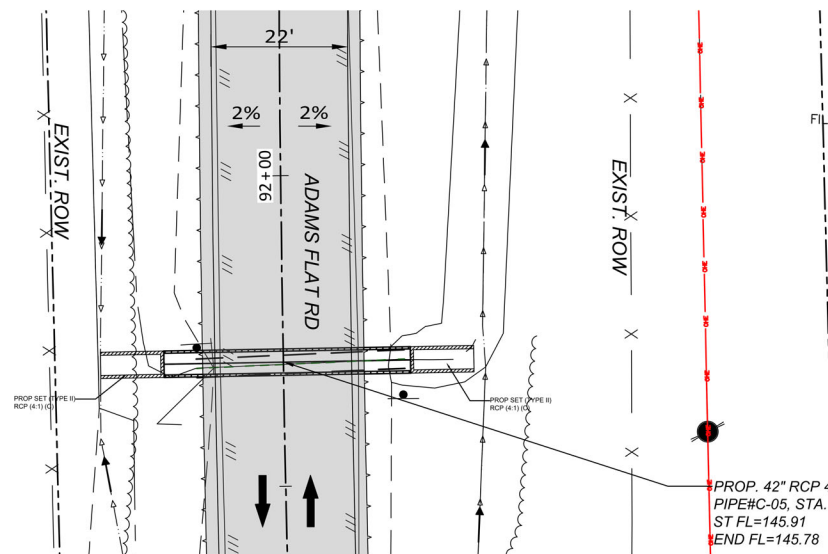
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CULVERT C-4 LAYOUT - STA. 66+00.80

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 60 |

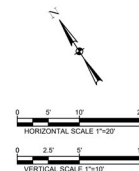
ZONE "X" - SHADED
ZONE "AE"

CALLLED 52.25 AC TRACT
HARVEY LAAS AND LYNETTE LAAS
DOC. NO. 2109074 O.P.R.W.C.T.
AUGUST 3, 2021



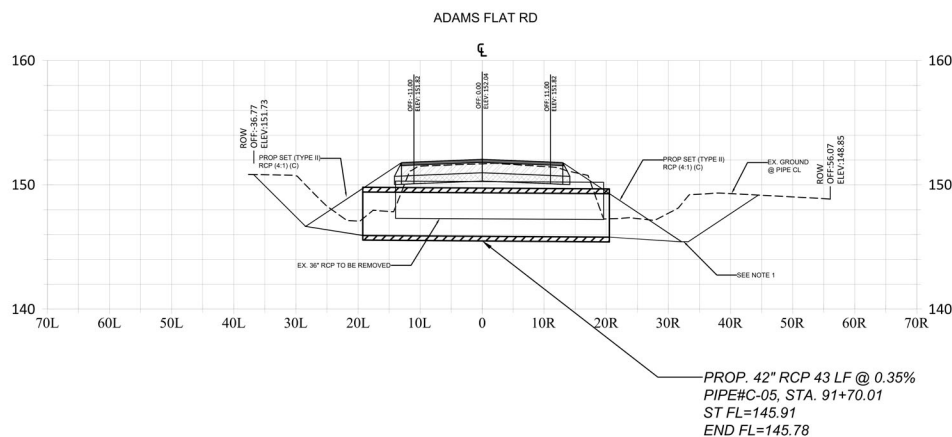
BLOCK 1
RESTRICTED RESERVE "A"
BLUESTEM PHASE 1
DETENTION RESERVE
FILE NO. 2404839 O.P.R.W.C.T.

20' B.L.
DOC. NO. 2404839 O.P.R.W.C.T.T.



| PLAN LEGEND | |
|--------------------|---|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING EASEMENT |
| | EXISTING PROPERTY LINE |
| | EXIST EDGE OF PVMT |
| | BASELINE |
| | PROP ROADWAY PVMT W/2 SHLDR |
| | ASPHALT DRIVEWAY PVMT. |
| | CONC. PVMT DRIVEWAY |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | DITCH FLOW DIRECTION |
| EXISTING UTILITIES | |
| | WATER (PATTISON WSC) |
| | STORM DRAIN (WALLER COUNTY) |
| | ELECTRIC BURIED (SAN BERNARD COOP) |
| | OVERHEAD UTILITIES (SAN BERNARD COOP AND OTHER UTILITIES) |
| | GAS (ASPEN MIDSTREAM) |
| | GAS (ENERGY TRANSFER) |
| | FIBER (CONSOLIDATED COMMUNICATIONS) |
| | TELEPHONE (CONSOLIDATED COMMUNICATIONS) |
| SECTION LEGEND | |
| | 3" HMAC SURFACE |
| | 10" ASPHALT BASE |
| | 8" STABILIZED SUBGRADE |
| | PROPOSED RCP |
| | EXISTING RCP |

NOTE:
1. THE CONTRACTOR SHALL ENSURE A MINIMUM POSITIVE LONGITUDINAL SLOPE IS MAINTAINED FROM THE PIPE OUTLET TO THE EXISTING STREAM. ANY LOW SPOTS OR DEPRESSIONS SHALL BE CORRECTED



PROP. 42" RCP 43 LF @ 0.35%
PIPE#C-05, STA. 91+70.01
ST FL=145.91
END FL=145.78

100% SUBMITTAL



6/18/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CULVERT C-5 LAYOUT - STA. 91+70.01

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 61 |

TCP DESIGN CRITERIA

- ADAMS FLAT RD POSTED SPEED: 35MPH (RURAL LOCAL ROAD)
- FM359 POSTED SPEED: 60MPH (RURAL MAJOR COLLECTOR)
- WILSON RD POSTED SPEED: 35MPH (RURAL LOCAL ROAD)

TCP GENERAL NOTES:

- THE FOLLOWING CONSTRUCTION SEQUENCING AND TRAFFIC CONTROL APPROACH IS SUGGESTED BY THE ENGINEER AND IS CONCEPTUAL; THE CONTRACTOR MAY ADJUST SEQUENCING, SEGMENT LIMITS, AND DAY-TO-DAY OPERATIONS BASED ON FIELD CONDITIONS, MEANS AND METHODS, AND PRODUCTION NEEDS, SUBJECT TO COORDINATION WITH AND APPROVAL BY WALLER COUNTY / THE ENGINEER, WHILE MAINTAINING THE INTENT OF THESE PLANS FOR THIS TRAFFIC CONTROL SETUP AND DRIVEWAY ACCESS. THE CONTRACTOR MAY ALSO ADJUST THE LENGTH OF THE ACTIVE WORK SEGMENT AT THE END OF EACH WORK PERIOD BASED ON CONSTRUCTION PROGRESS, PROVIDED SAFE TWO-WAY TRAFFIC OPERATIONS AND ACCESS ARE MAINTAINED.
- WALLER COUNTY MAINTAINS FULL CONTROL, RESPONSIBILITY, AND APPROVAL AUTHORITY FOR ANY AND ALL METHODS OF TRAFFIC CONTROL UTILIZED IN THE CONSTRUCTION OF THIS PROJECT.
- WORK HOURS AND LANE RESTRICTIONS SHALL BE COORDINATED WITH WALLER COUNTY / THE ENGINEER. IF ONE-LANE, TWO-WAY TRAFFIC IS TO REMAIN IN PLACE DURING NIGHTTIME OR NON-WORKING HOURS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE TEMPORARY TRAFFIC CONTROL, INCLUDING PORTABLE TEMPORARY TRAFFIC SIGNALS, AS REQUIRED AND APPROVED.
- INSTALL AND MAINTAIN ALL APPROPRIATE WARNING SIGNS AND TEMPORARY WORK ZONE PAVEMENT MARKINGS IN ACCORDANCE WITH THE LATEST REVISION/EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (TMUTCD), WALLER COUNTY REQUIREMENTS, AND TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) GUIDELINES, SPECIFICATIONS, AND STANDARDS, AS APPLICABLE.
- ADVANCE WARNING SIGNS ARE REQUIRED FOR ALL WORK OPERATIONS AND FOR ALL SEGMENTS WHERE ONE-LANE, TWO-WAY TRAFFIC CONTROL IS IN EFFECT.
- MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES UNLESS A SPECIFIC CLOSURE IS APPROVED IN WRITING BY WALLER COUNTY / THE ENGINEER. TWO-WAY TRAFFIC OPERATIONS SHALL BE CONTROLLED USING FLAGGERS DURING ACTIVE WORK OPERATIONS OR PORTABLE TEMPORARY TRAFFIC SIGNALS WHEN ONE-LANE, TWO-WAY TRAFFIC MUST REMAIN IN PLACE DURING NIGHTTIME OR OTHER PERIODS WHEN FLAGGERS ARE NOT PRESENT.
- PROVIDE AND MAINTAIN TRAINED FLAGGERS AND FLAGGER STATIONS AS REQUIRED TO SAFELY CONTROL ONE-LANE, TWO-WAY TRAFFIC AND MANAGE QUEUES. FLAGGERS WILL BE USED AT TIE-INS, INTERSECTIONS, OR NARROW TWO-WAY SEGMENTS DURING ACTIVE OPERATIONS.
- ACCESS TO PRIVATE DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. IF SHORT-DURATION INTERRUPTIONS ARE UNAVOIDABLE, COORDINATE IN ADVANCE WITH THE PROPERTY OWNER AND PROVIDE TEMPORARY MEASURES (E.G. STABLE TEMPORARY SURFACE/PLATES) TO RESTORE ACCESS AT THE END OF EACH SHIFT WHERE FEASIBLE.
- CONTRACTOR SHALL NOT BLOCK OR RECONSTRUCT MORE THAN TWO ADJACENT DRIVEWAYS AT A TIME AND SHALL MAINTAIN ACCESS TO ALL PROPERTIES. COORDINATE ANY UNAVOIDABLE SHORT-DURATION ACCESS INTERRUPTIONS WITH THE ENGINEER AND AFFECTED PROPERTY OWNERS.
- ALL SIGNS AND DEVICES SHALL BE MAINTAINED IN GOOD CONDITION AND SHALL BE REMOVED OR FULLY COVERED WHEN NO LONGER APPLICABLE.
- PLACE, MAINTAIN, AND REMOVE (OR FULLY COVER) ALL TRAFFIC CONTROL DEVICES AS CONDITIONS CHANGE. DEVICES AND SIGNS SHALL NOT REMAIN IN PLACE WHEN NO LONGER APPLICABLE.
- TRAFFIC CONTROL DEVICES SHALL BE LOCATED TO MAINTAIN ADEQUATE SIGHT DISTANCE AND SHALL BE ADJUSTED IN THE FIELD AS NEEDED TO AVOID OBSTRUCTIONS AND IMPROVE VISIBILITY.
- MAINTAIN ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
- COORDINATE TRAFFIC CONTROL OPERATIONS TO MINIMIZE QUEUES AND DELAYS, PARTICULARLY NEAR FM 359 AND AT INTERSECTING ROADS.
- MAINTAIN ROADWAY EDGES/DROP-OFFS IN A SAFE CONDITION; PROVIDE DELINEATION AND PROTECTION WHERE NEEDED.
- CONTRACTOR SHALL SECURE OPEN CUT AREAS AND HAZARDS FOR PUBLIC SAFETY USING TEMPORARY BARRICADES/FENCING AND CHANNELIZING DEVICES WITH WARNING LIGHTS AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE TRAVELING PUBLIC AND WORKERS WITHIN THE WORK ZONE.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES. TEMPORARY DITCHES, CULVERTS, PUMPING/BYPASS, AND DITCH REGRAIDING MAY BE REQUIRED TO PREVENT PONDING/EROSION AND TO MAINTAIN PROPER DRAINAGE FOR EACH TRAFFIC CONTROL SEGMENT.
- ALL PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE REMOVED OR MASKED PRIOR TO INSTALLING TEMPORARY PAVEMENT MARKINGS.
- WHEN A MAJOR TRAFFIC PATTERN CHANGE OR CLOSURE IS PLANNED, CONTRACTOR SHALL PROVIDE ADVANCE NOTICE AND/OR PORTABLE CHANGEABLE MESSAGE SIGNS AS DIRECTED BY THE ENGINEER.
- PORTABLE TEMPORARY TRAFFIC SIGNALS REQUIRED TO MAINTAIN ONE-LANE, TWO-WAY TRAFFIC DURING NIGHTTIME OR NON-WORKING HOURS SHALL BE CONSIDERED A BASE SCOPE REQUIREMENT WHERE APPLICABLE TO THE CONTRACTOR'S SELECTED WORK SEQUENCING AND ACTIVE SEGMENT LIMITS.
- AT THE END OF EACH WORK PERIOD, THE CONTRACTOR SHALL EITHER: (A) REOPEN THE ROADWAY TO NORMAL TWO-WAY TRAFFIC, OR (B) MAINTAIN A SAFE ONE-LANE, TWO-WAY OPERATION WITH APPROPRIATE TEMPORARY TRAFFIC CONTROL DEVICES, INCLUDING PORTABLE TEMPORARY TRAFFIC SIGNALS, AS REQUIRED.

CONSTRUCTION SEQUENCING PHASING

PHASE 1 – STA. 1+50 TO 7+00

- MAINTAIN TRAFFIC USING ONE-LANE OPERATIONS WITH FLAGGERS WITHIN THE ACTIVE LIMITS.
- FM 359 QUEUE MANAGEMENT: NEAR FM 359, IMPLEMENT A ONE-LANE OPERATION WITH CONTROLLED RELEASES AS NEEDED TO PREVENT QUEUE SPILLBACK ONTO FM 359. ADJUST WORK LIMITS/FLAGGER OPERATIONS AS NECESSARY TO MAINTAIN SAFE STORAGE.
- ESTABLISH TEMPORARY SURFACING AS NEEDED TO PROVIDE A SAFE, STABLE TRAVEL WAY THROUGH THE WORK ZONE.
- CONSTRUCT ROADWAY AND ROADSIDE DITCH IMPROVEMENTS ONE SIDE AT A TIME, SHIFTING TRAFFIC WITHIN THE SEGMENT AS REQUIRED.
- REPLACE DRIVEWAYS AS NEEDED WHILE MAINTAINING ACCESS; COORDINATE SHORT-DURATION INTERRUPTIONS AND RESTORE ACCESS AT THE END OF THE SHIFT WHERE FEASIBLE.
- CROSSING CULVERT WITHIN THIS PHASE SHALL BE CONSTRUCTED USING HALF-WIDTH STAGING TO MAINTAIN TRAFFIC; MAINTAIN A STABLE RUNNING SURFACE AND POSITIVE DRAINAGE DURING EACH STAGE.
- FM 359 TIE-IN: THE EXISTING FM 359 INTERSECTION WILL BE MAINTAINED AS-IS; WORK AT THE TIE-IN SHALL BE LIMITED TO TRANSITIONS WITHIN PROJECT LIMITS AND PERFORMED UNDER FLAGGER CONTROL WITH APPROPRIATE SIGNING. NO MODIFICATIONS TO FM 359 ARE PROPOSED.

PHASE 2 – STA. 7+00 TO 30+00

- MAINTAIN TRAFFIC USING ONE-LANE, TWO-WAY OPERATIONS WITH FLAGGERS WITHIN THE ACTIVE LIMITS.
- ESTABLISH TEMPORARY SURFACING AS NEEDED TO PROVIDE A SAFE, STABLE TRAVEL WAY THROUGH THE WORK ZONE.
- CONSTRUCT ROADWAY AND ROADSIDE DITCH IMPROVEMENTS ONE SIDE AT A TIME, SHIFTING TRAFFIC WITHIN THE SEGMENT AS REQUIRED.
- REPLACE DRIVEWAYS AS NEEDED WHILE MAINTAINING ACCESS; COORDINATE SHORT-DURATION INTERRUPTIONS AND RESTORE ACCESS AT THE END OF THE SHIFT WHERE FEASIBLE.
- CROSSING CULVERT WITHIN THIS PHASE SHALL BE CONSTRUCTED USING HALF-WIDTH STAGING TO MAINTAIN ONE-LANE, TWO-WAY TRAFFIC; MAINTAIN A STABLE RUNNING SURFACE AND POSITIVE DRAINAGE DURING EACH STAGE.

PHASE 3 – STA. 30+00 TO 48+00

- MAINTAIN TRAFFIC USING ONE-LANE, TWO-WAY OPERATIONS WITH FLAGGERS WITHIN THE ACTIVE LIMITS.
- ESTABLISH TEMPORARY SURFACING AS NEEDED TO PROVIDE A SAFE, STABLE TRAVEL WAY THROUGH THE WORK ZONE.
- CONSTRUCT ROADWAY AND ROADSIDE DITCH IMPROVEMENTS ONE SIDE AT A TIME, SHIFTING TRAFFIC WITHIN THE SEGMENT AS REQUIRED.
- REPLACE DRIVEWAYS AS NEEDED WHILE MAINTAINING ACCESS; COORDINATE SHORT-DURATION INTERRUPTIONS AND RESTORE ACCESS AT THE END OF THE SHIFT WHERE FEASIBLE.
- CROSSING CULVERT WITHIN THIS PHASE SHALL BE CONSTRUCTED USING HALF-WIDTH STAGING TO MAINTAIN ONE-LANE, TWO-WAY TRAFFIC; MAINTAIN A STABLE RUNNING SURFACE AND POSITIVE DRAINAGE DURING EACH STAGE.

PHASE 4 – STA. 48+00 TO 63+00

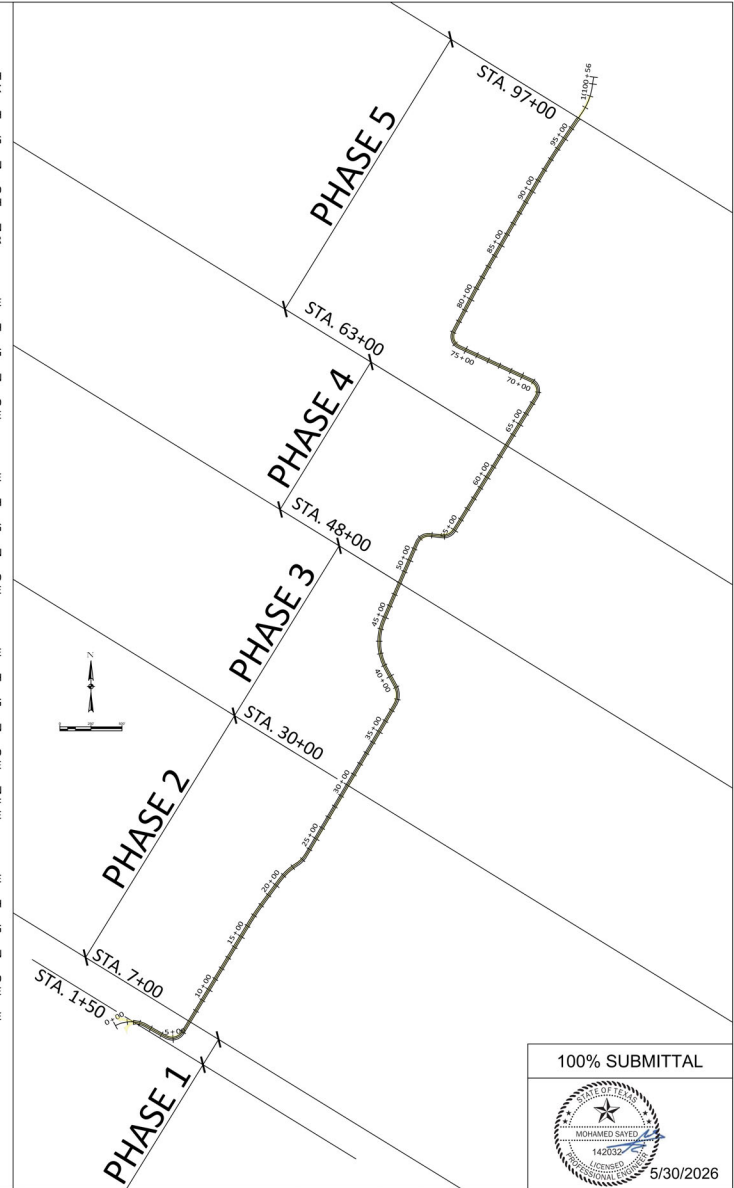
- MAINTAIN TRAFFIC USING ONE-LANE, TWO-WAY OPERATIONS WITH FLAGGERS WITHIN THE ACTIVE LIMITS.
- ESTABLISH TEMPORARY SURFACING AS NEEDED TO PROVIDE A SAFE, STABLE TRAVEL WAY THROUGH THE WORK ZONE.
- CONSTRUCT ROADWAY AND ROADSIDE DITCH IMPROVEMENTS ONE SIDE AT A TIME, SHIFTING TRAFFIC WITHIN THE SEGMENT AS REQUIRED.
- REPLACE DRIVEWAYS AS NEEDED WHILE MAINTAINING ACCESS; COORDINATE SHORT-DURATION INTERRUPTIONS AND RESTORE ACCESS AT THE END OF THE SHIFT WHERE FEASIBLE.
- CROSSING CULVERT WITHIN THIS PHASE SHALL BE CONSTRUCTED USING HALF-WIDTH STAGING TO MAINTAIN ONE-LANE, TWO-WAY TRAFFIC; MAINTAIN A STABLE RUNNING SURFACE AND POSITIVE DRAINAGE DURING EACH STAGE.
- EXISTING BRIDGE NOTE: EXISTING BRIDGE WILL REMAIN IN PLACE. CONTRACTOR SHALL MAINTAIN TRAFFIC ACROSS THE BRIDGE AND PROTECT EXISTING STRUCTURE LIMITS. NO STORAGE OF MATERIALS OR EQUIPMENT ON THE BRIDGE UNLESS APPROVED BY THE ENGINEER. PROVIDE ADDITIONAL CHANNELIZATION/DELINEATION AS NEEDED AT BRIDGE APPROACHES.

PHASE 5 – STA. 63+00 TO 97+00

- MAINTAIN TRAFFIC USING ONE-LANE, TWO-WAY OPERATIONS WITH FLAGGERS WITHIN THE ACTIVE LIMITS.
- ESTABLISH TEMPORARY SURFACING AS NEEDED TO PROVIDE A SAFE, STABLE TRAVEL WAY THROUGH THE WORK ZONE.
- CONSTRUCT ROADWAY AND ROADSIDE DITCH IMPROVEMENTS ONE SIDE AT A TIME, SHIFTING TRAFFIC WITHIN THE SEGMENT AS REQUIRED.
- REPLACE DRIVEWAYS AS NEEDED WHILE MAINTAINING ACCESS; COORDINATE SHORT-DURATION INTERRUPTIONS AND RESTORE ACCESS AT THE END OF THE SHIFT WHERE FEASIBLE.
- CROSSING CULVERT WITHIN THIS PHASE SHALL BE CONSTRUCTED USING HALF-WIDTH STAGING TO MAINTAIN ONE-LANE, TWO-WAY TRAFFIC; MAINTAIN A STABLE RUNNING SURFACE AND POSITIVE DRAINAGE DURING EACH STAGE.
- EXISTING BRIDGE TRAFFIC CONTROL MEASURES SHALL REMAIN IN EFFECT WITHIN THE BRIDGE INFLUENCE AREA AS NEEDED TO MAINTAIN SAFE OPERATIONS AND DELINEATION.

APPLICABLE TO ALL PHASES:

AT THE END OF EACH WORK PERIOD, THE CONTRACTOR MAY ADJUST THE LENGTH OF THE ACTIVE WORK SEGMENT BASED ON CONSTRUCTION PROGRESS, PROVIDED SAFE TRAFFIC OPERATIONS, ACCESS, AND POSITIVE DRAINAGE ARE MAINTAINED. IF ONE-LANE, TWO-WAY TRAFFIC REMAINS IN PLACE DURING NIGHTTIME OR NON-WORKING HOURS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE TEMPORARY TRAFFIC CONTROL, INCLUDING PORTABLE TEMPORARY TRAFFIC SIGNALS, AS REQUIRED. SUCH TEMPORARY SIGNALS SHALL BE CONSIDERED PART OF THE BASE SCOPE WHERE APPLICABLE TO THE CONTRACTOR'S SELECTED SEQUENCING AND ACTIVE SEGMENT LIMITS.



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CONSTRUCTION SEQUENCING AND
GENERAL NOTES

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 62 |

TRAFFIC CONTROL PLAN - GENERAL BASE NARRATIVE

(REFER TO PHASE PLAN SHEETS FOR PHASE LIMITS, TRAFFIC CONTROL SETUP: ONE-LANE, TWO-WAY OPERATIONS WITH FLAGGERS; SEQUENCING MAY VARY.)

STEP 0 – INITIAL SETUP / PREPARATION (PROJECT-WIDE, AS NEEDED)

- INSTALL ADVANCE WARNING SIGNS, CHANNELIZING DEVICES, AND FLAGGER STATIONS FOR THE ACTIVE PHASE LIMITS.
- ESTABLISH A SAFE, STABLE ONE-LANE TRAVEL PATH THROUGH THE WORK ZONE; PROVIDE TEMPORARY SURFACING/LEVEL-UP AS NEEDED TO MAINTAIN TRAFFIC.
- IMPLEMENT ONE-LANE, TWO-WAY TRAFFIC OPERATIONS WITH FLAGGERS.
- IDENTIFY AND COORDINATE DRIVEWAY ACCESS MANAGEMENT WITHIN THE PHASE BEFORE REMOVALS BEGIN (DO NOT BLOCK MORE THAN TWO ADJACENT DRIVEWAYS AT A TIME).
- PROVIDE TEMPORARY DRAINAGE MEASURES (TEMPORARY DITCH REGRADE, TEMPORARY CULVERTS, PUMPING/BYPASS) AS NEEDED TO MAINTAIN POSITIVE DRAINAGE DURING EACH STEP.

STEP 1 – CONSTRUCT LANE #1 (TYPICALLY SOUTHBOUND) + ASSOCIATED DITCH/DRIVEWAYS/CULVERT HALF

(TRAFFIC: ONE OR TWO-WAY TRAFFIC OPERATES IN THE OPPOSITE LANE UNDER FLAGGER CONTROL.)

- (TRAFFIC: ONE/TWO-WAY TRAFFIC OPERATES IN THE OPPOSITE LANE UNDER FLAGGER CONTROL.)
- CLOSE THE CONSTRUCTION LANE (LANE #1) AND MAINTAIN TRAFFIC IN THE OPEN LANE USING FLAGGERS, DRUMS, TAPER, AND BUFFER AS SHOWN ON THE TYPICAL SECTIONS AND PLAN SHEETS.
- PERFORM REMOVALS WITHIN THE CONSTRUCTION LANE LIMITS (EXISTING PAVEMENT/BASE AS REQUIRED).
- CONSTRUCT LANE #1 IMPROVEMENTS INCLUDING SUBGRADE, BASE, AND PAVEMENT; CONSTRUCT/SHAPE ASSOCIATED ROADSIDE DITCH WORK WITHIN THE STEP LIMITS AS NEEDED.
- PERFORM DRIVEWAY REPLACEMENTS WITHIN THE ACTIVE WORK AREA IN WORKABLE GROUPS WHILE MAINTAINING ACCESS. WHEN SHORT INTERRUPTIONS ARE UNAVOIDABLE, COORDINATE IN ADVANCE AND PROVIDE TEMPORARY ACCESS MEASURES (STABLE TEMPORARY SURFACE/PLATES) AS NEEDED.
- CONSTRUCT THE CROSSING CULVERT WITHIN THIS PHASE USING HALF-WIDTH STAGING WHILE MAINTAINING ONE-LANE, TWO-WAY TRAFFIC. COMPLETE THE LANE #1 HALF OF THE CROSSING (EXCAVATE, PLACE PIPE/CULVERT, BACKFILL/COMPACT), AND RESTORE A STABLE RUNNING SURFACE BEFORE SHIFTING TRAFFIC.
- AT THE END OF EACH SHIFT, MAINTAIN A STABLE TRAVEL SURFACE AND PROTECT EXCAVATIONS (NO OPEN PITS/TRENCHES LEFT UNPROTECTED OVERNIGHT). MAINTAIN POSITIVE DRAINAGE.
- ONCE LANE #1 PAVEMENT AND TIE-INS ARE COMPLETE AND STABLE FOR TRAFFIC, PREPARE FOR THE TRAFFIC SHIFT BY CONFIRMING GRADES, TRANSITIONS, AND TEMPORARY SURFACING REQUIREMENTS.
- RELOCATE DRUMS/DEVICES AND ADJUST TAPERS/BUFFER AS REQUIRED TO SHIFT TRAFFIC FOR STEP 2.

STEP 2 – SHIFT TRAFFIC ONTO COMPLETED LANE #1; CONSTRUCT LANE #2 (TYPICALLY NORTHBOUND) + DITCH/DRIVEWAYS/CULVERT HALF

(TRAFFIC: ONE OR TWO-WAY TRAFFIC OPERATES IN THE OPPOSITE LANE UNDER FLAGGER CONTROL.)

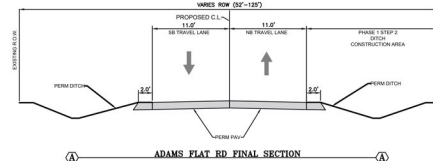
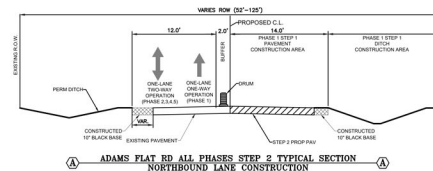
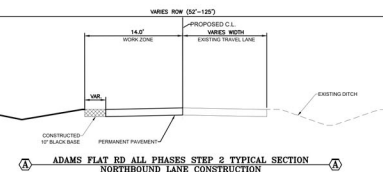
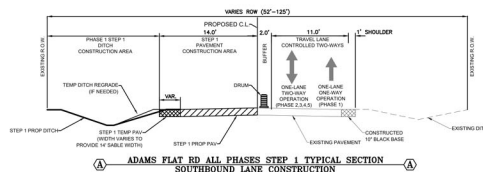
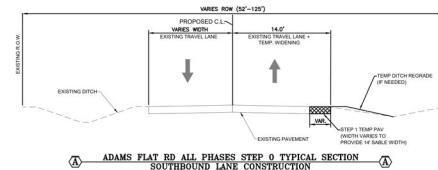
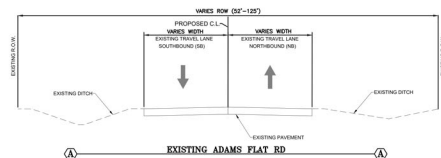
- SHIFT TWO-WAY TRAFFIC ONTO THE NEWLY CONSTRUCTED LANE #1 IN ACCORDANCE WITH THE TYPICAL SECTIONS AND PHASE PLAN. MAINTAIN ONE-LANE, TWO-WAY OPERATIONS WITH FLAGGERS.
- CLOSE LANE #2 FOR CONSTRUCTION; RELOCATE DRUMS/CHANNELIZATION, TAPER, AND BUFFER TO PROTECT THE NEW WORK AREA.
- PERFORM REMOVALS WITHIN LANE #2 LIMITS AS REQUIRED.
- CONSTRUCT LANE #2 IMPROVEMENTS INCLUDING SUBGRADE, BASE, AND PAVEMENT; COMPLETE ASSOCIATED ROADSIDE DITCH CONSTRUCTION/GRADING WITHIN THE STEP LIMITS.
- COMPLETE DRIVEWAY REPLACEMENTS WITHIN THE LANE #2 WORK AREA AS NEEDED WHILE MAINTAINING ACCESS (SAME DRIVEWAY ACCESS REQUIREMENTS AS STEP 1).
- COMPLETE THE CROSSING CULVERT BY CONSTRUCTING THE LANE #2 HALF (HALF-WIDTH STAGING), BACKFILL/COMPACT, AND RESTORE STABLE TRAVEL SURFACE. REMOVE ANY TEMPORARY BYPASS MEASURES WHEN NO LONGER NEEDED AND RESTORE DITCH/DRAINAGE CONTINUITY.
- REMOVE TEMPORARY WIDENING/TEMPORARY SURFACING THAT IS NO LONGER NEEDED, AND RESTORE DISTURBED AREAS AS REQUIRED TO MATCH THE INTENDED FINAL SECTION.

FINAL SURFACING / FINISHING (PHASE-BY-PHASE OR PROJECT-WIDE)

- PERFORM FINAL GRADING, FINAL SURFACING/PAVING OPERATIONS, SHOULDER/EDGE RESTORATION, AND DITCH RESTORATION.
- INSTALL PAVEMENT MARKINGS/SIGNING AS APPLICABLE; REMOVE OR MASK CONFLICTING MARKINGS AS NEEDED DURING TRANSITIONS.
- REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AS SECTIONS ARE COMPLETED AND REOPEN FULL-WIDTH TWO-LANE OPERATIONS WHERE FEASIBLE.
- COMPLETE PUNCHLIST ITEMS, RESTORE ROW, AND REMOVE TEMPORARY MEASURES.

NOTE – TIE-INS / TRANSITIONS / SPECIAL AREAS

- MAJOR TRANSITIONS AND TIE-INS (PROJECT LIMITS AND BRIDGE APPROACHES) SHALL BE PERFORMED UNDER FLAGGER CONTROL WITH APPROPRIATE ADVANCE WARNING SIGNAGE.
- FM 359 TIE-IN: MAINTAIN THE EXISTING FM 359 INTERSECTION AS-IS; WORK AT TIE-IN LIMITED TO TRANSITIONS WITHIN PROJECT LIMITS.
- BRIDGE (PHASE 4): EXISTING BRIDGE REMAINS IN PLACE; PROTECT STRUCTURE LIMITS AND MAINTAIN SAFE CHANNELIZATION AND EDGE PROTECTION AT BRIDGE APPROACHES.



100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



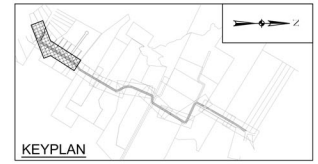
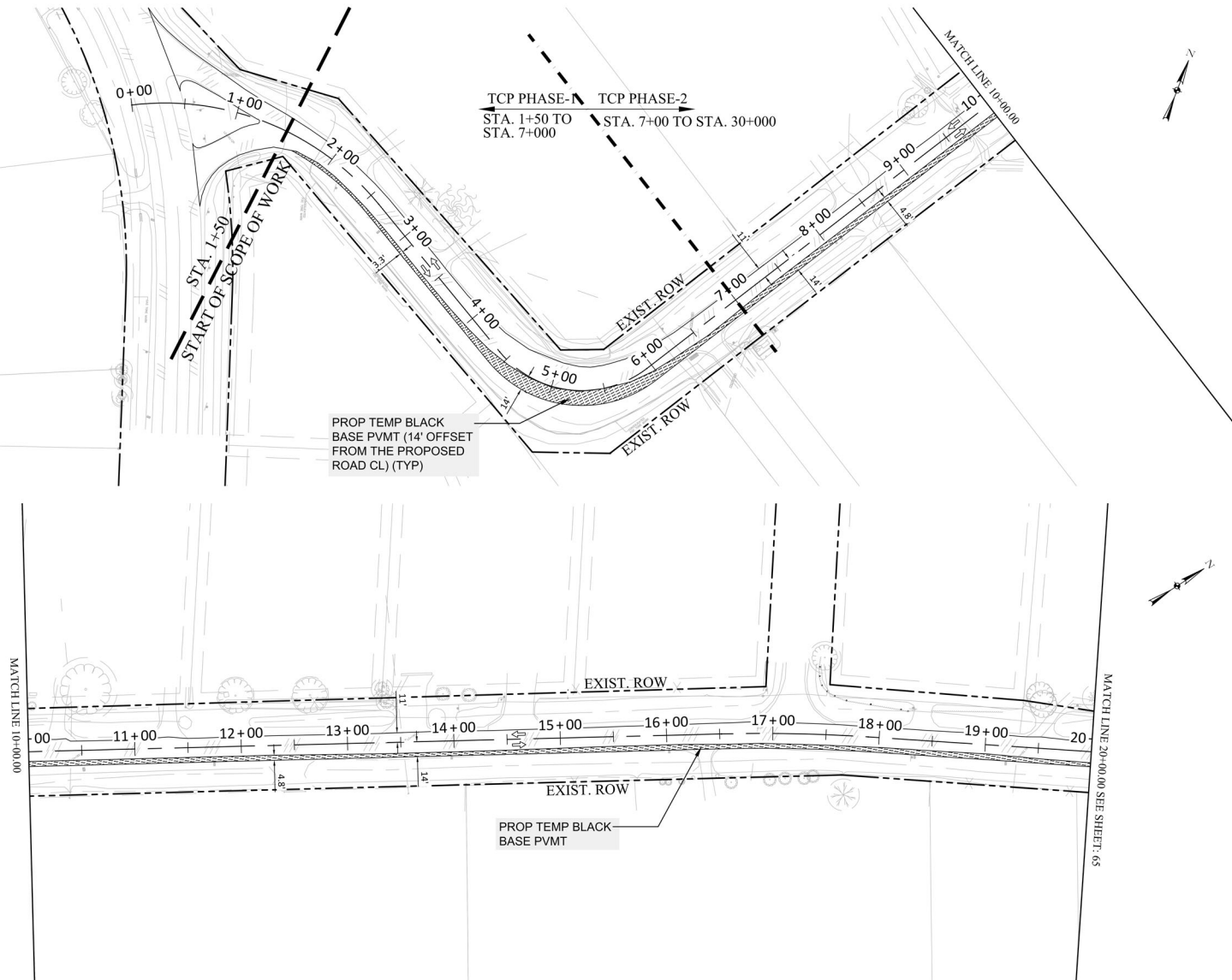
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
TCP TYPICAL SECTIONS & BASE NARRATIVE

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 63 |

PLOT DATE: 5/20/2026 4:55 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\13-Final Design\103_Sheets\TCP.dwg



LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10" BLACK BASE PAVEMENT
- TEMPORARY 10" BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

NOTES:

1. SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
2. SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
3. SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
4. CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
5. TEMPORARY PAVEMENT TO HAVE 2' MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.
6. CONSTRUCT FULL LENGTH OF CULVERT THIS STEP. TRENCH AND BACKFILL. SWITCH TRAFFIC LOCALLY TEMPORARILY TO CONSTRUCT WEST HALF, AND COVER WITH PLATE TO SHIFT TRAFFIC BACK ON IT.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



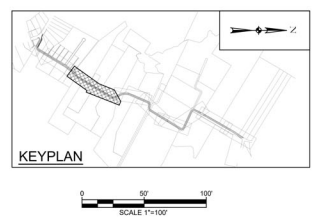
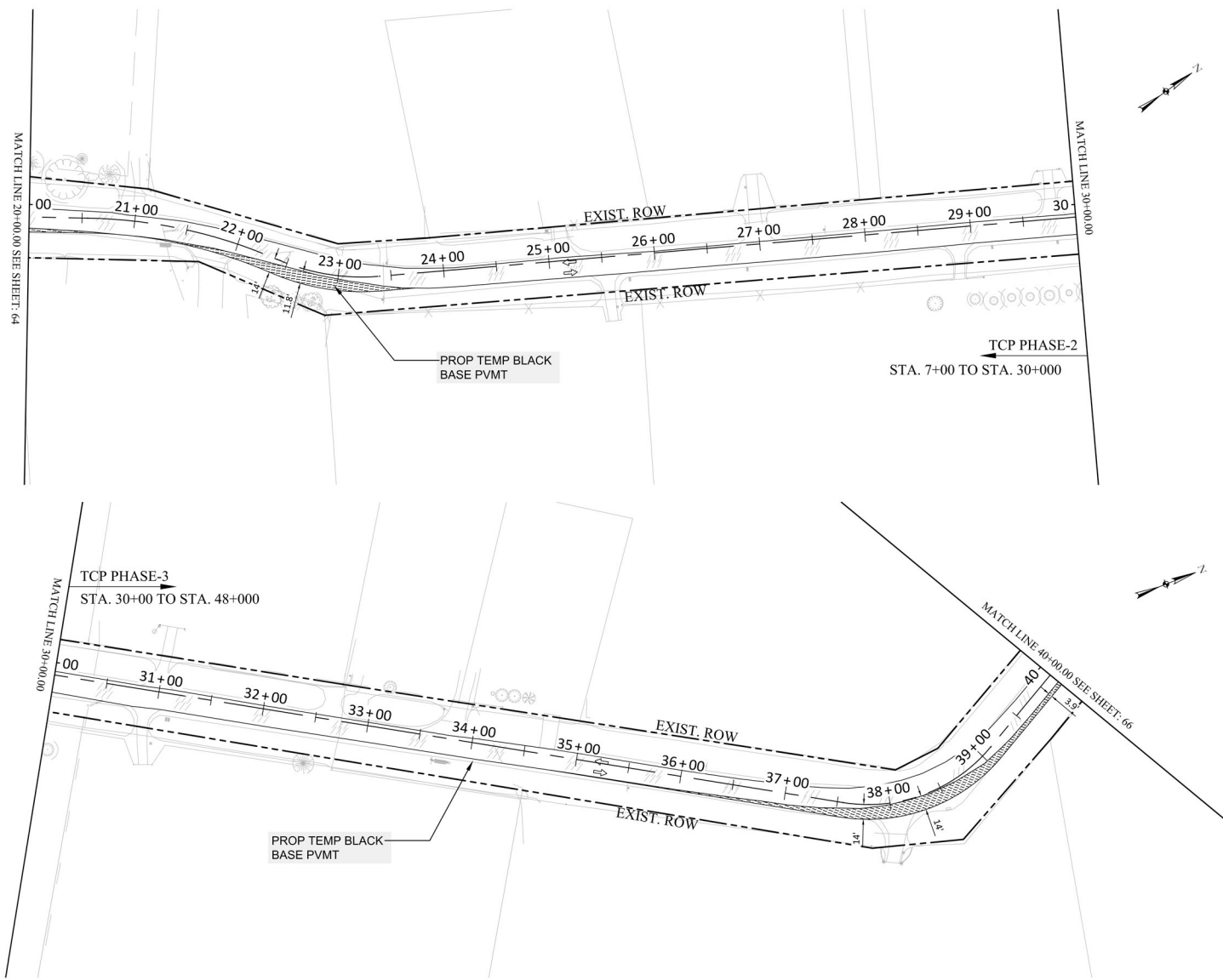
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 0
STA. 1+50 TO STA. 20+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 64 |

100% SUBMITTAL

PLOT DATE: 5/20/2026 4:55 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC_PCT3\5-Final Design\103_Sheets\TCP.dwg



| LEGEND | |
|--------|---|
| | PERMANENT PAVEMENT CONSTRUCTION |
| | PERMANENT DRIVEWAY CONSTRUCTION |
| | PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP) |
| | TEMPORARY 10" BLACK BASE PAVEMENT |
| | TEMPORARY 10" BLACK BASE PAVEMENT (PREVIOUS STEP) |
| | TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY |
| | TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY |
| | PORTABLE TRAFFIC SIGNAL |

- NOTES:
- SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
 - SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
 - SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
 - CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
 - TEMPORARY PAVEMENT TO HAVE 2" MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 0
STA. 20+00 TO STA. 40+00

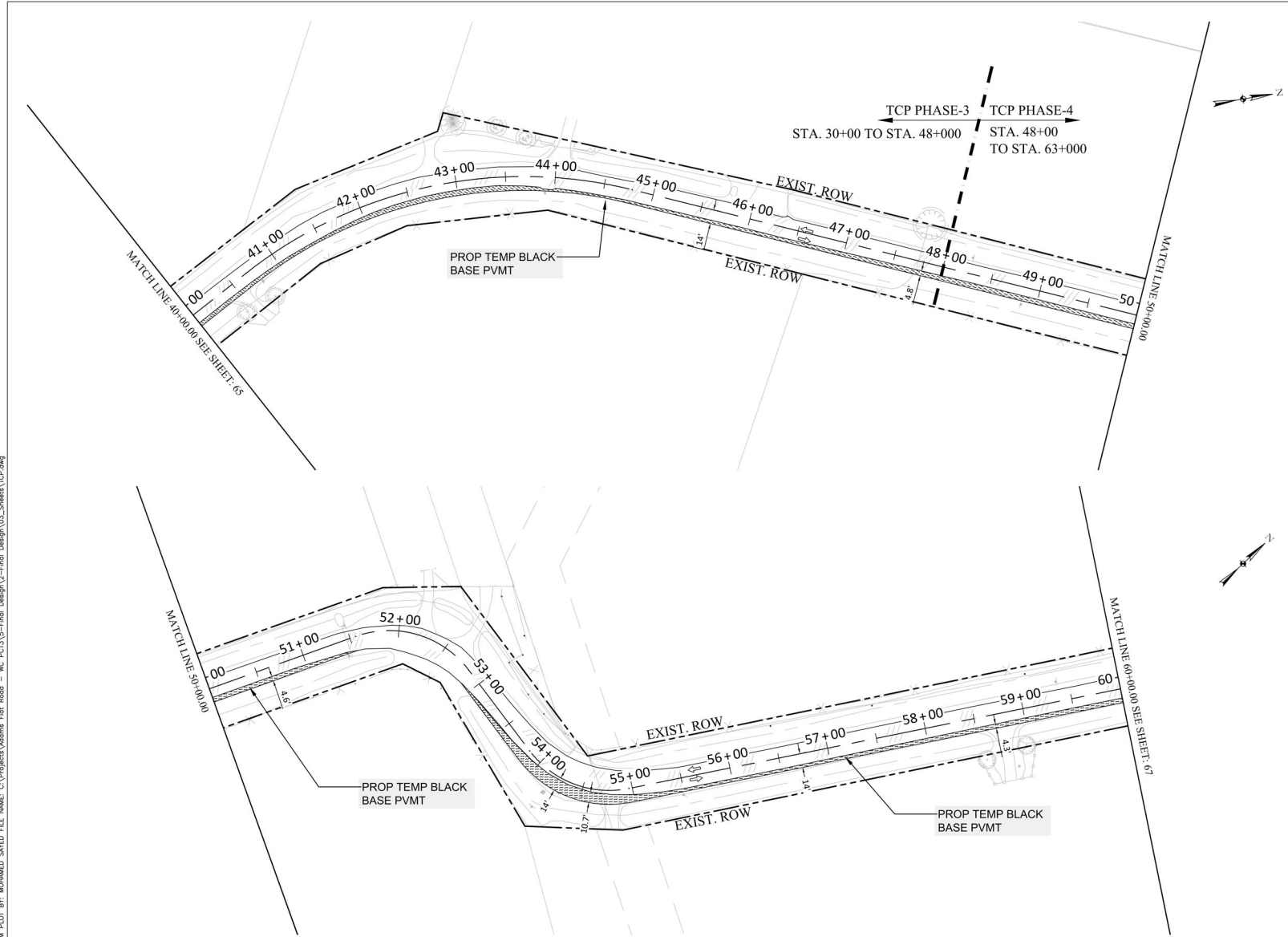
| | | | | |
|--------|------|--------|-------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 65 |

100% SUBMITTAL

5/30/2026

100% SUBMITTAL

PLOT DATE: 5/20/2026 4:55 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103_Sheets\TCP.dwg



LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10" BLACK BASE PAVEMENT
- TEMPORARY 10" BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

NOTES:

- SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
- SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
- SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
- CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
- TEMPORARY PAVEMENT TO HAVE 2" MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

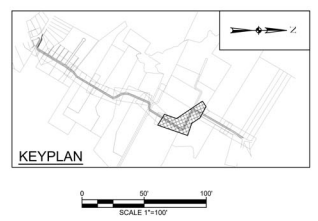
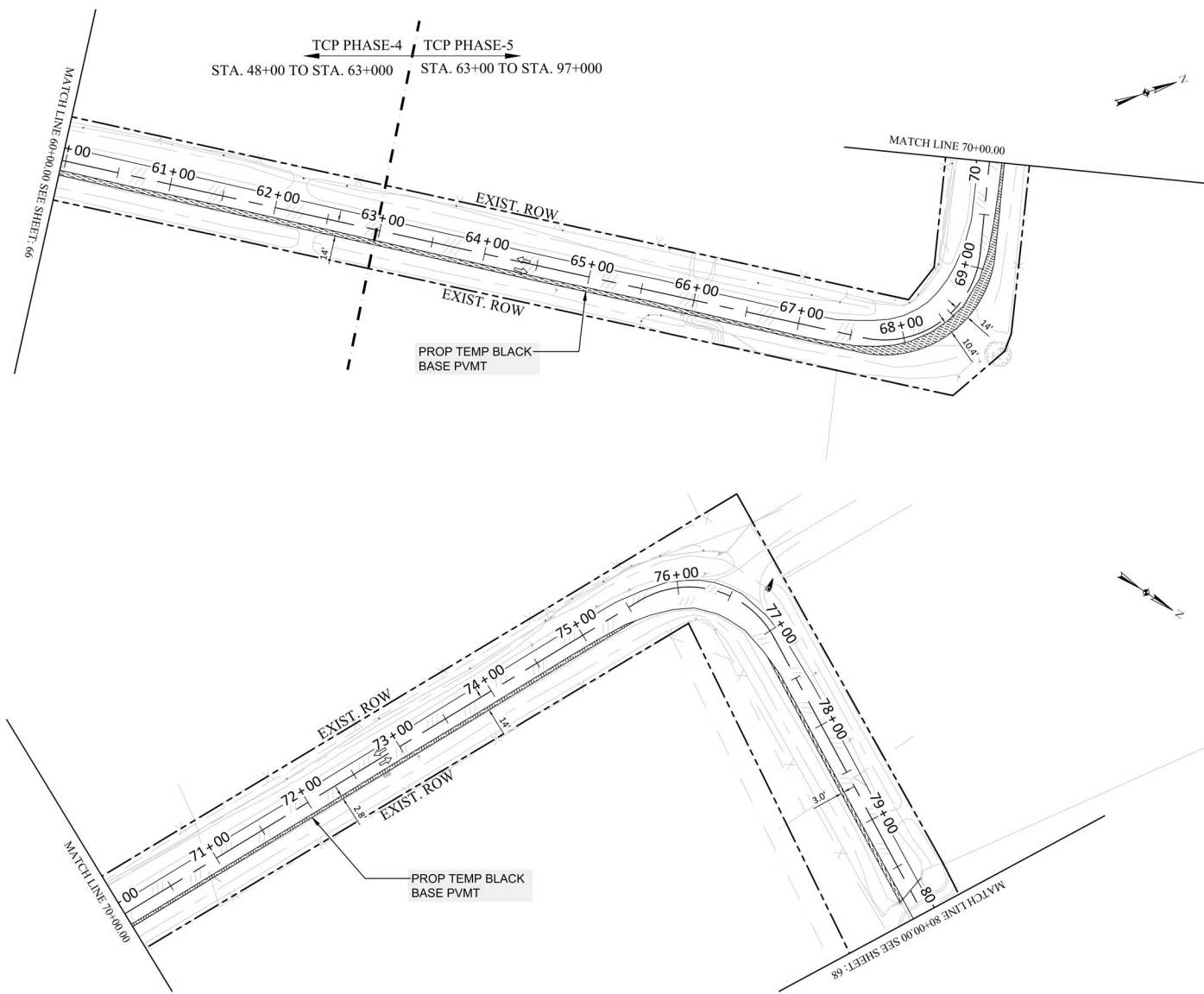


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 0
STA. 40+00 TO STA. 60+00

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 66 |

PLOT DATE: 5/20/2026 4:55 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC PCT3\5-Final Design\103_Sheets\TCP.dwg



LEGEND

| | |
|--|---|
| | PERMANENT PAVEMENT CONSTRUCTION |
| | PERMANENT DRIVEWAY CONSTRUCTION |
| | PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP) |
| | TEMPORARY 10" BLACK BASE PAVEMENT |
| | TEMPORARY 10" BLACK BASE PAVEMENT (PREVIOUS STEP) |
| | TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY |
| | TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY |
| | PORTABLE TRAFFIC SIGNAL |

- NOTES:**
- SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
 - SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
 - SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
 - CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
 - TEMPORARY PAVEMENT TO HAVE 2" MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

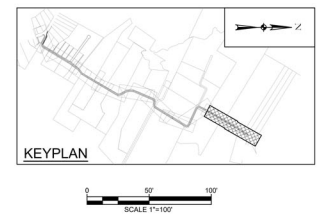
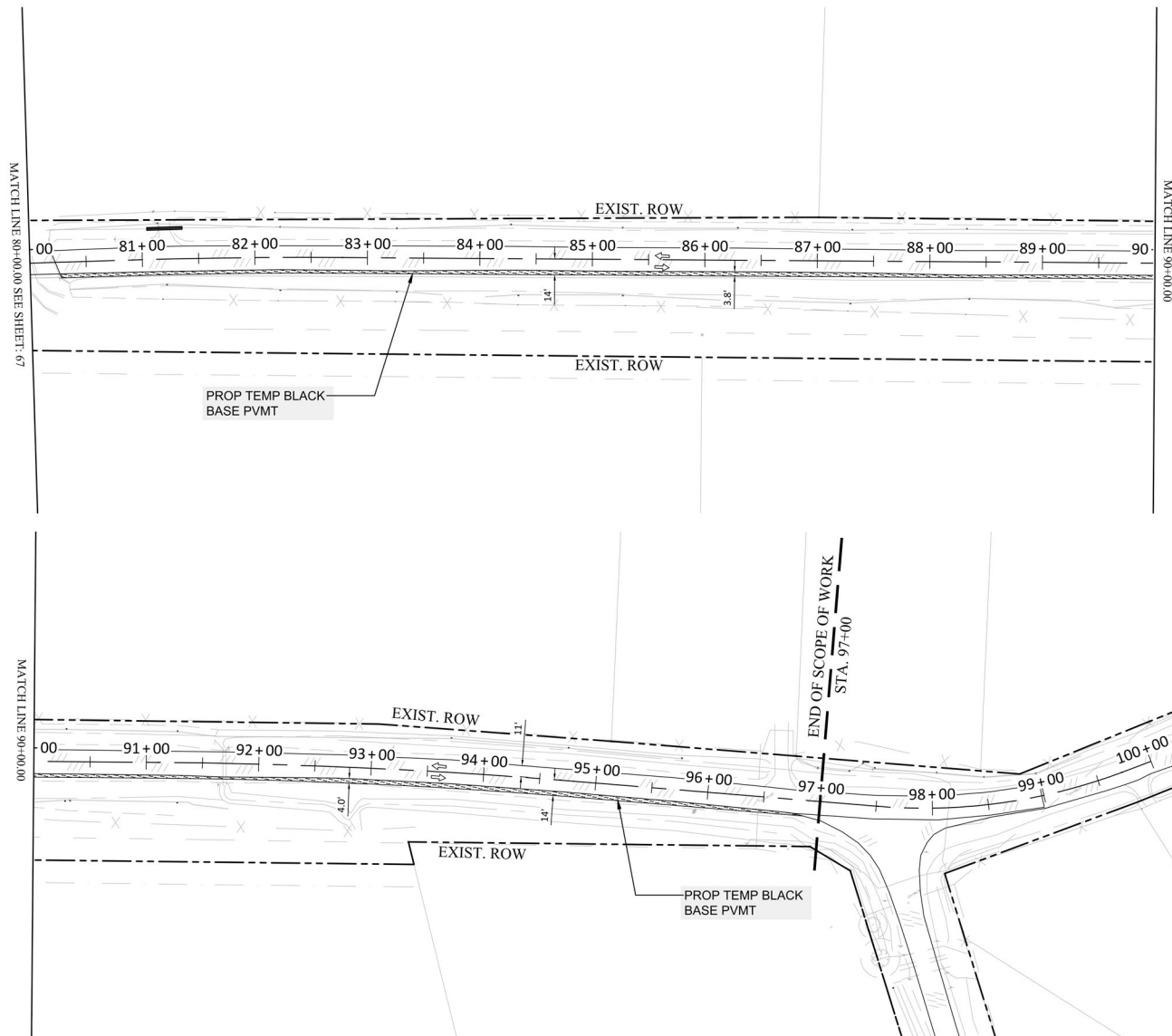
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 0
STA. 60+00 TO STA. 80+00

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 67 |

100% SUBMITTAL

100% SUBMITTAL

PLOT DATE: 5/20/2026 4:55 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC PCT3\5-Final Design\03_Sheets\TCD.dwg



| LEGEND | |
|--------|---|
| | PERMANENT PAVEMENT CONSTRUCTION |
| | PERMANENT DRIVEWAY CONSTRUCTION |
| | PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP) |
| | TEMPORARY 10" BLACK BASE PAVEMENT |
| | TEMPORARY 10" BLACK BASE PAVEMENT (PREVIOUS STEP) |
| | TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY |
| | TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY |
| | PORTABLE TRAFFIC SIGNAL |

- NOTES:
1. SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
 2. SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
 3. SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
 4. CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
 6. TEMPORARY PAVEMENT TO HAVE 2' MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

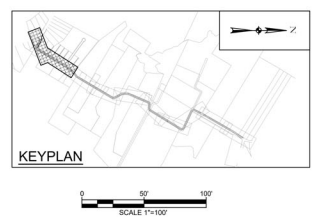
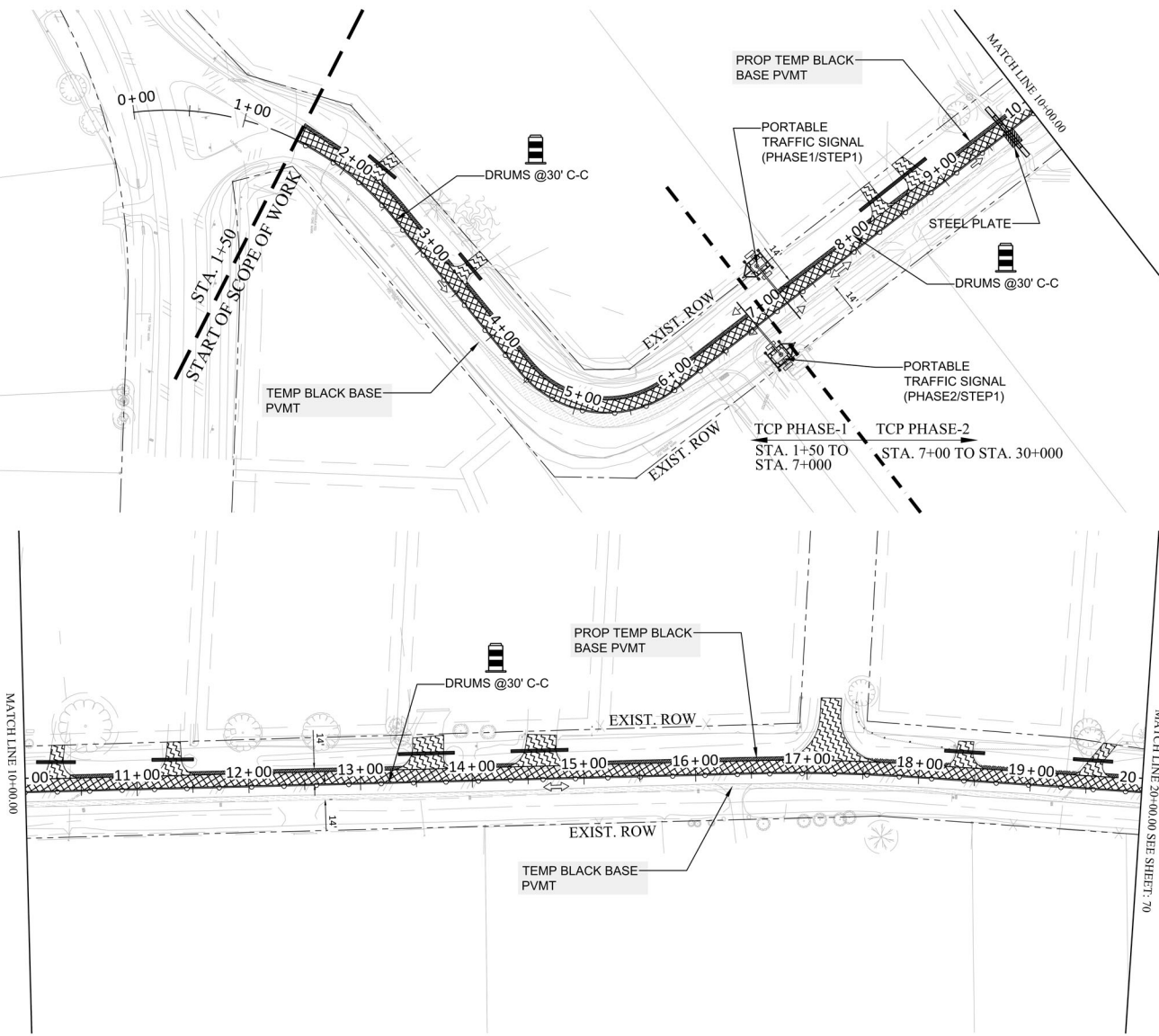
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 0
STA. 80+00 TO STA. 97+00

| | | | | |
|--------|------|--------|-------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 68 |

100% SUBMITTAL

5/30/2026

PLOT DATE: 5/20/2026 4:55 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\100_Sheets\100.dwg



LEGEND

| | |
|--|---|
| | PERMANENT PAVEMENT CONSTRUCTION |
| | PERMANENT DRIVEWAY CONSTRUCTION |
| | PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP) |
| | TEMPORARY 10' BLACK BASE PAVEMENT |
| | TEMPORARY 10' BLACK BASE PAVEMENT (PREVIOUS STEP) |
| | TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY |
| | TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY |
| | PORTABLE TRAFFIC SIGNAL |

- NOTES:**
- SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
 - SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
 - SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
 - CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
 - TEMPORARY PAVEMENT TO HAVE 2' MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.
 - CONSTRUCT FULL LENGTH OF CROSS CULVERT THIS STEP. TRENCH AND BACKFILL. SWITCH TRAFFIC LOCALLY TEMPORARILY TO CONSTRUCT EAST HALF, AND COVER WITH PLATE TO SHIFT TRAFFIC BACK ON IT.

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 1
STA. 1+50 TO STA. 20+00

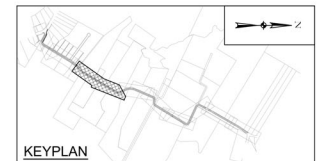
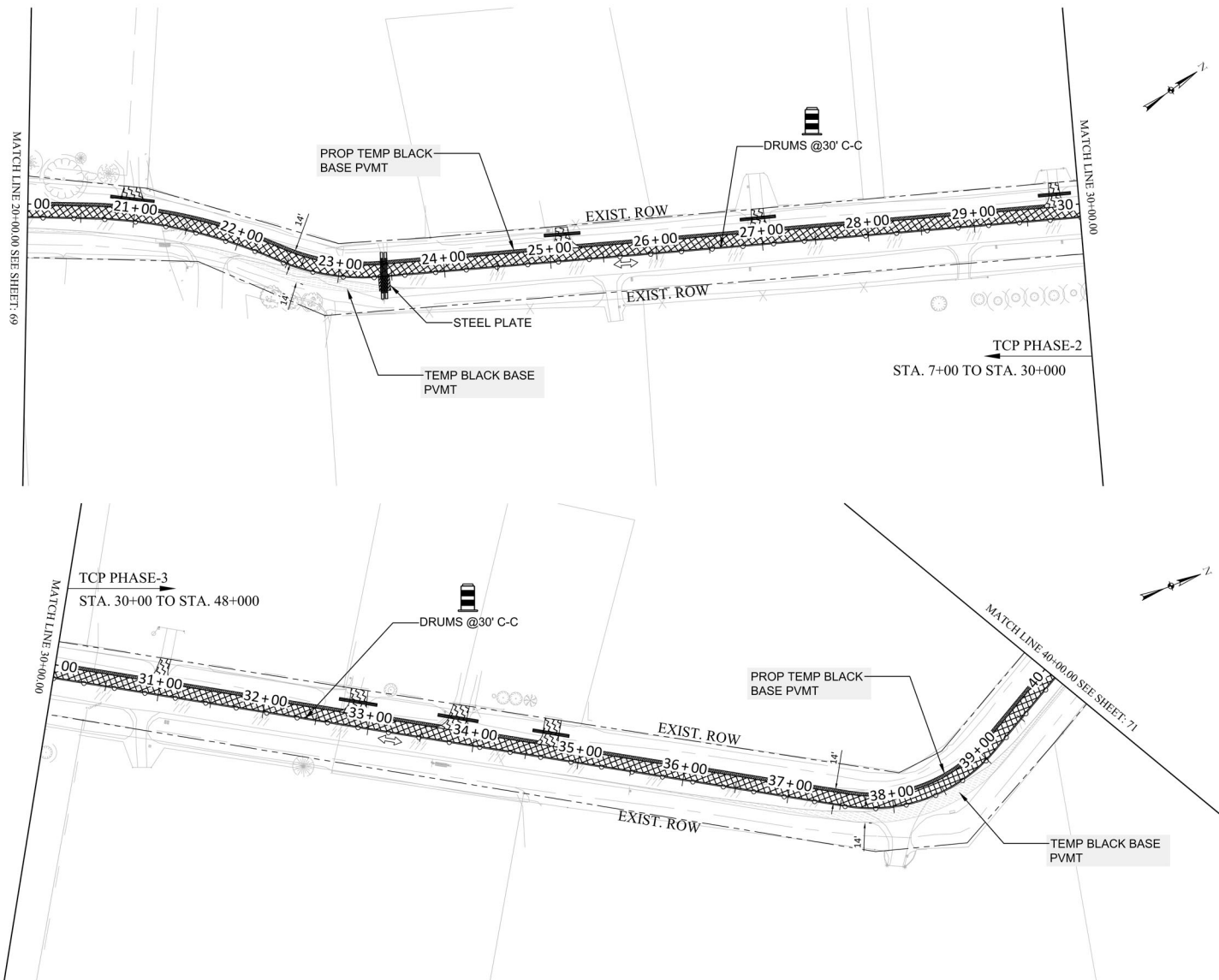
| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 69 |

100% SUBMITTAL

5/30/2026

100% SUBMITTAL

PLOT DATE: 5/20/2026 4:55 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\100_Sheets\TCP.dwg



0 50' 100'
SCALE 1"=100'

LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10' BLACK BASE PAVEMENT
- TEMPORARY 10' BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

NOTES:

1. SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
2. SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
3. SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
4. CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
5. TEMPORARY PAVEMENT TO HAVE 2' MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.
6. CONSTRUCT FULL LENGTH OF CROSS CULVERT THIS STEP. TRENCH AND BACKFILL. SWITCH TRAFFIC LOCALLY TEMPORARILY TO CONSTRUCT EAST HALF, AND COVER WITH PLATE TO SHIFT TRAFFIC BACK ON IT.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

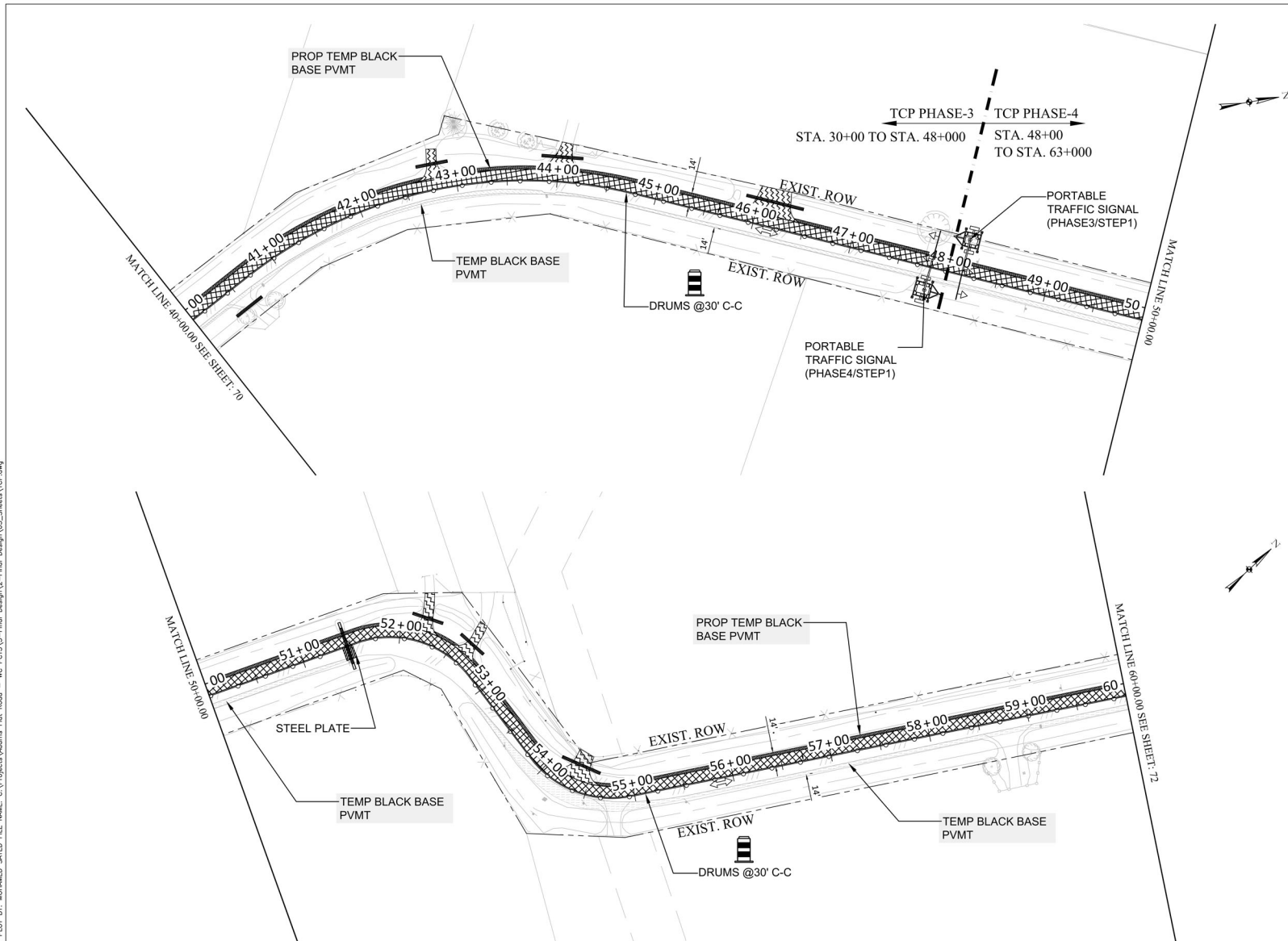


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 1
STA. 20+00 TO STA. 40+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 70 |

PLOT DATE: 5/20/2026 4:55 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103_Sheets\TCP.dwg



LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10' BLACK BASE PAVEMENT
- TEMPORARY 10' BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

NOTES:

- SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
- SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
- SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
- CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
- TEMPORARY PAVEMENT TO HAVE 2' MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.
- CONSTRUCT FULL LENGTH OF CROSS CULVERT THIS STEP. TRENCH AND BACKFILL. SWITCH TRAFFIC LOCALLY TEMPORARILY TO CONSTRUCT EAST HALF, AND COVER WITH PLATE TO SHIFT TRAFFIC BACK ON IT.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

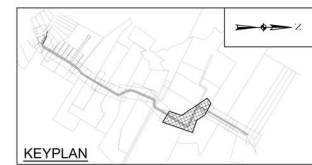
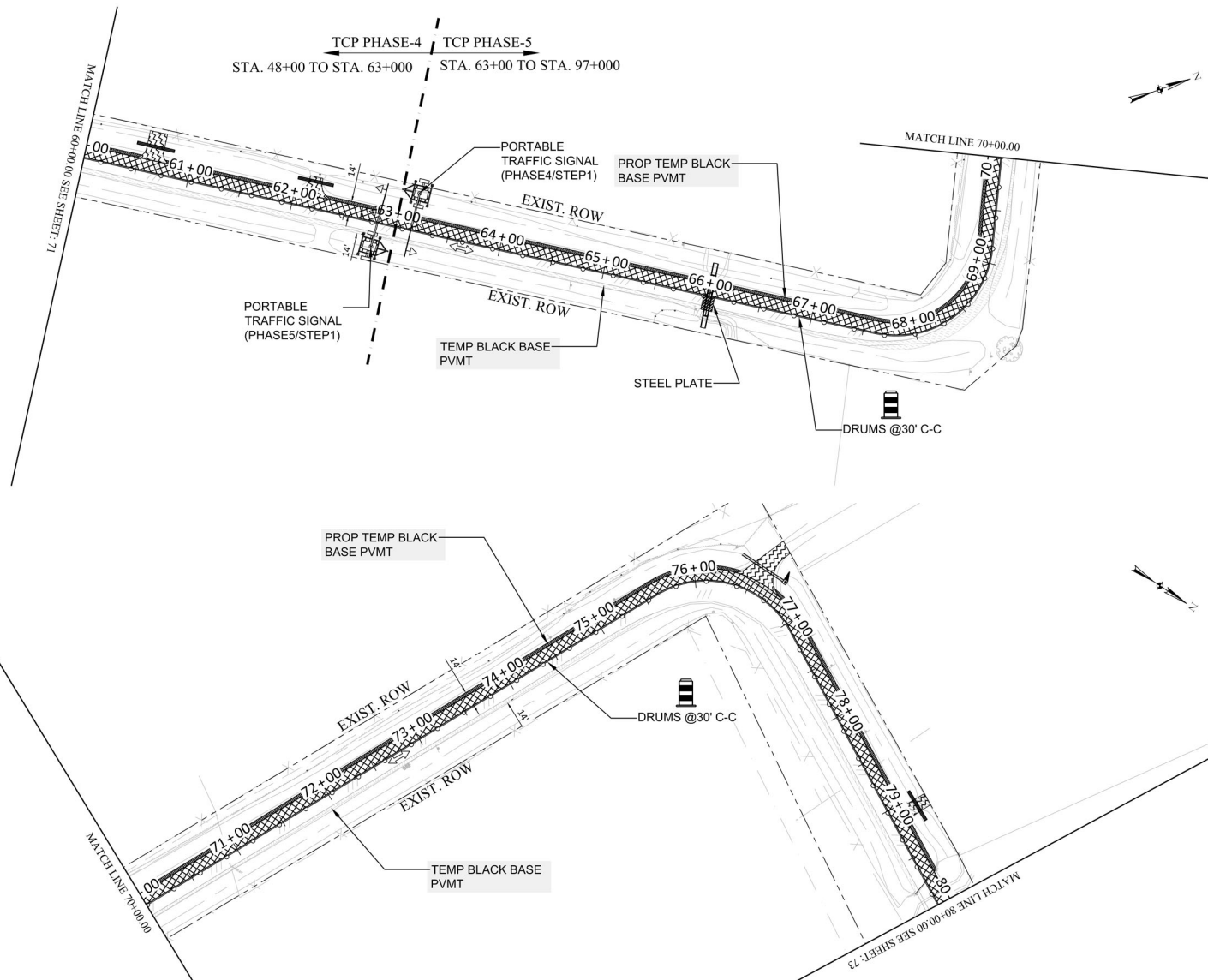


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 1
STA. 40+00 TO STA. 60+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 71 |

PLOT DATE: 5/20/2026 4:58 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PCIS\5-Final Design\100_Sheets\TCP.dwg



LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10' BLACK BASE PAVEMENT
- TEMPORARY 10' BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

NOTES:

1. SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
2. SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
3. SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
4. CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
5. TEMPORARY PAVEMENT TO HAVE 2' MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.
6. CONSTRUCT FULL LENGTH OF CROSS CULVERT THIS STEP. TRENCH AND BACKFILL. SWITCH TRAFFIC LOCALLY TEMPORARILY TO CONSTRUCT EAST HALF, AND COVER WITH PLATE TO SHIFT TRAFFIC BACK ON IT.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

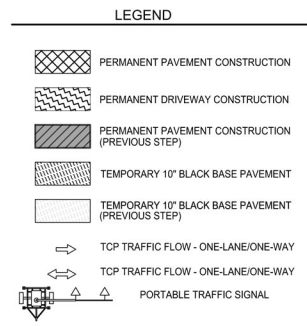
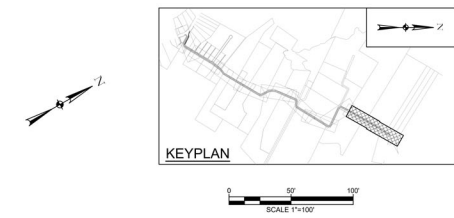
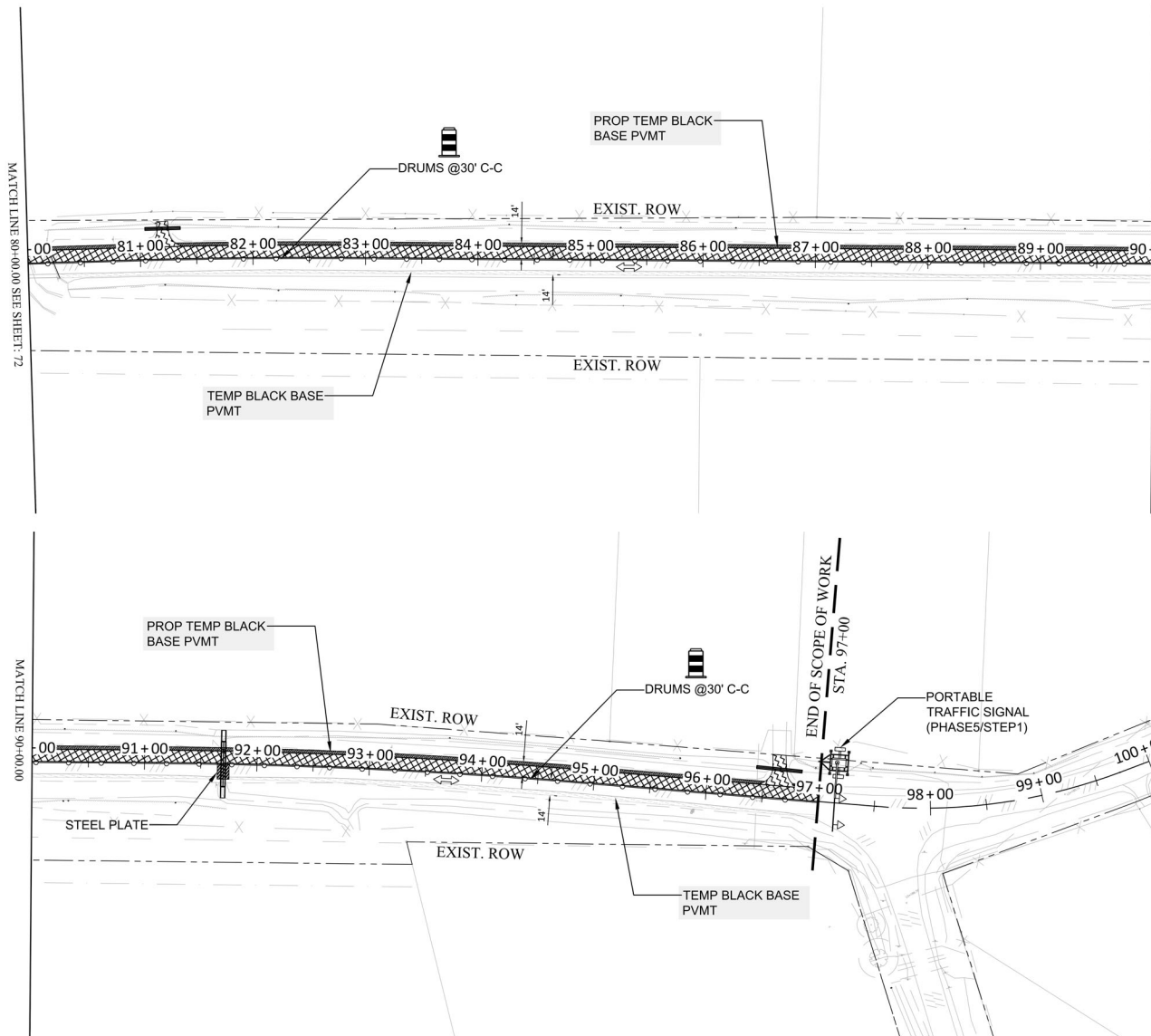


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 1
STA. 60+00 TO STA. 80+00

| DN: | CONT: | SECT: | JOB: | ROAD: |
|--------|-------|-------|---------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST: | | COUNTY: | SHEET NO. |
| CK DW: | | | WALLER | 72 |

PLOT DATE: 5/20/2026 4:58 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\103_Sheets\103.dwg



- NOTES:**
- SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
 - SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
 - SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
 - CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.
 - TEMPORARY PAVEMENT TO HAVE 2' MINIMUM WIDTH. MAINTAIN 11' TRAVEL LANE WITH 2' BUFFER BETWEEN TRAVEL LANE AND WORK ZONE.
 - CONSTRUCT FULL LENGTH OF CROSS CULVERT THIS STEP. TRENCH AND BACKFILL. SWITCH TRAFFIC LOCALLY TEMPORARILY TO CONSTRUCT EAST HALF, AND COVER WITH PLATE TO SHIFT TRAFFIC BACK ON IT.

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT




TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 1
STA. 80+00 TO STA. 97+00

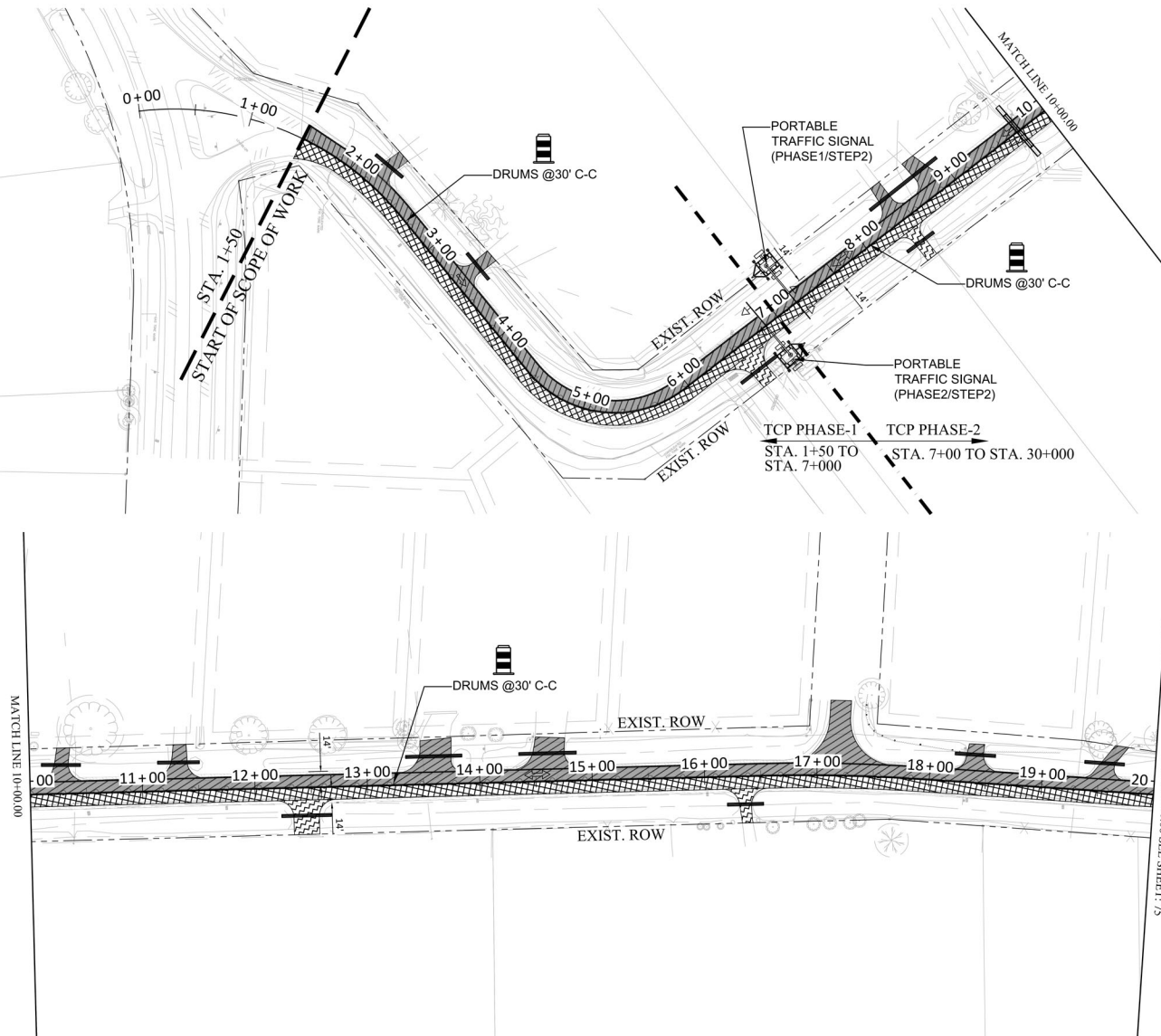
| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 73 |

100% SUBMITTAL



5/30/2026

PLOT DATE: 5/20/2026 4:58 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC PCT3\5-Final Design\103_Sheets\TCD.dwg



LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10" BLACK BASE PAVEMENT
- TEMPORARY 10" BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

NOTES:

1. SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
2. SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
3. SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
4. CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



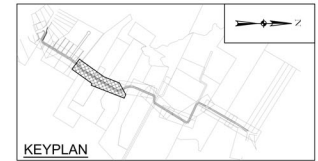
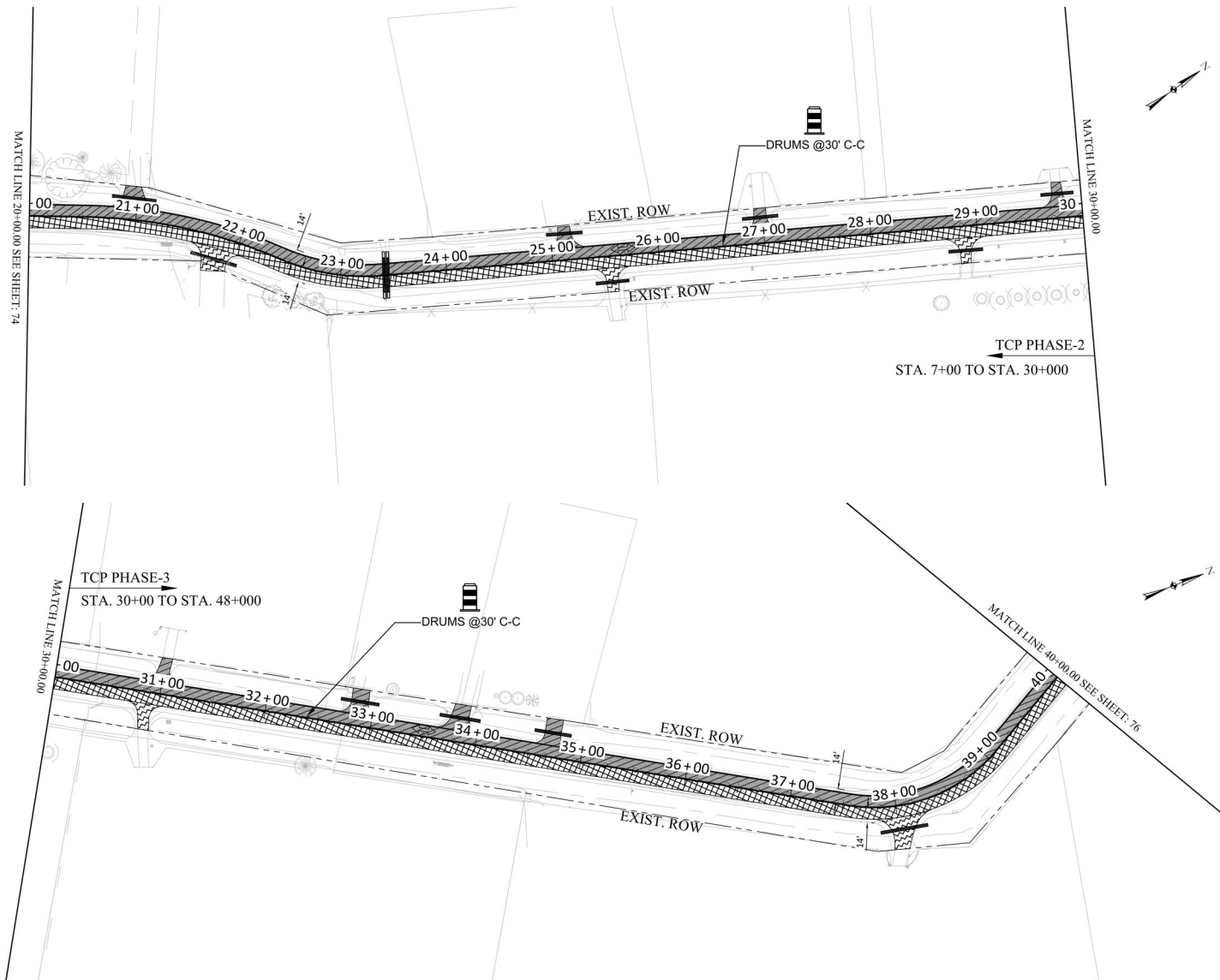
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 2
STA. 1+50 TO STA. 20+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 74 |

100% SUBMITTAL

PLOT DATE: 5/20/2026 4:58 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\13-Final Design\103_Sheets\TCP.dwg



LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10" BLACK BASE PAVEMENT
- TEMPORARY 10" BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

NOTES:

- SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
- SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
- SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
- CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

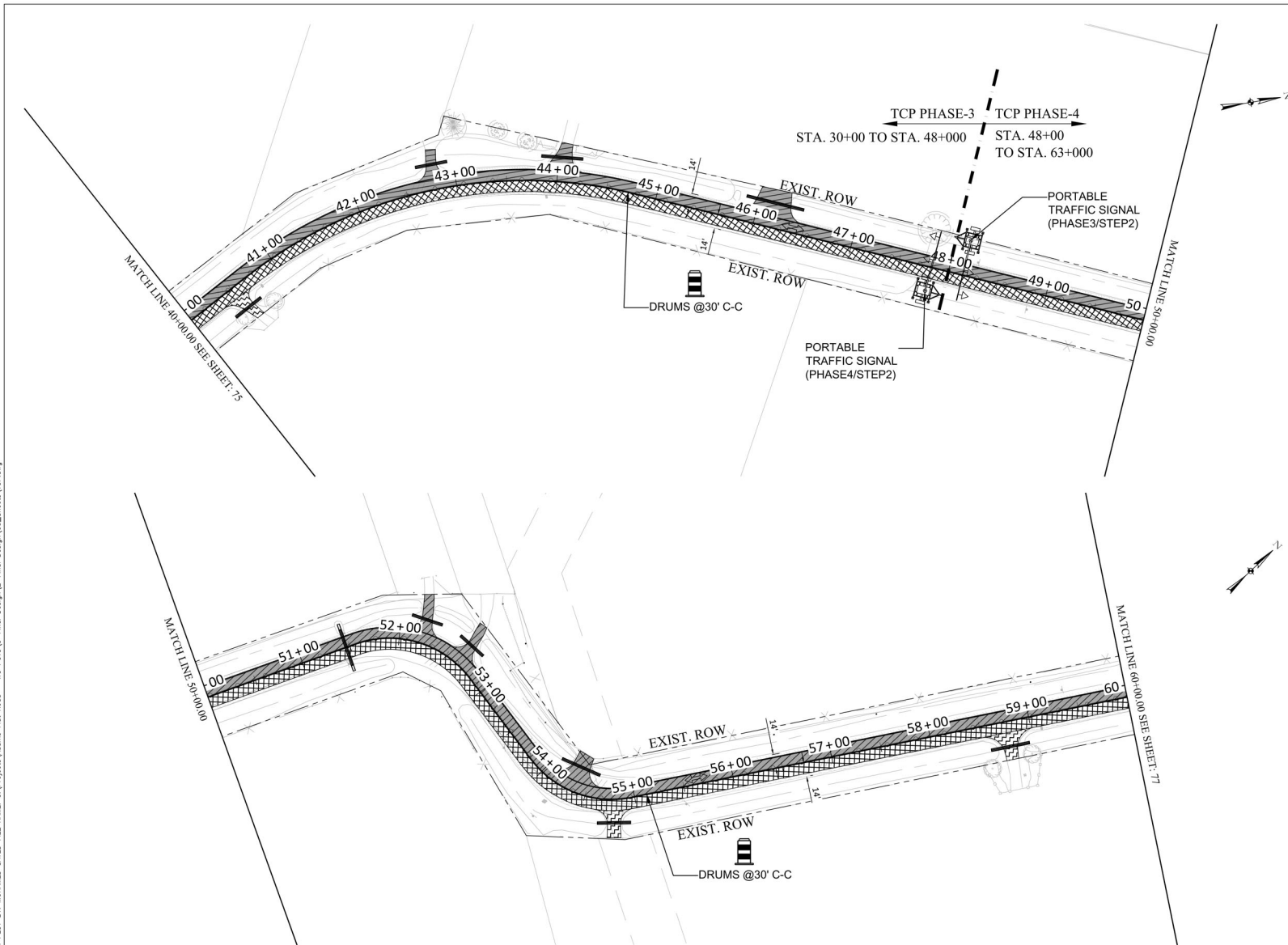


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 2
STA. 20+00 TO STA. 40+00

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 75 |

PLOT DATE: 5/20/2026 4:58 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\100_Sheets\TCP.dwg



LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10' BLACK BASE PAVEMENT
- TEMPORARY 10' BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

NOTES:

1. SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
2. SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
3. SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
4. CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

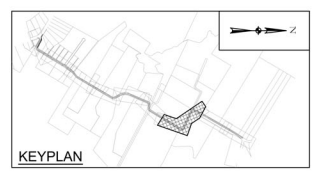
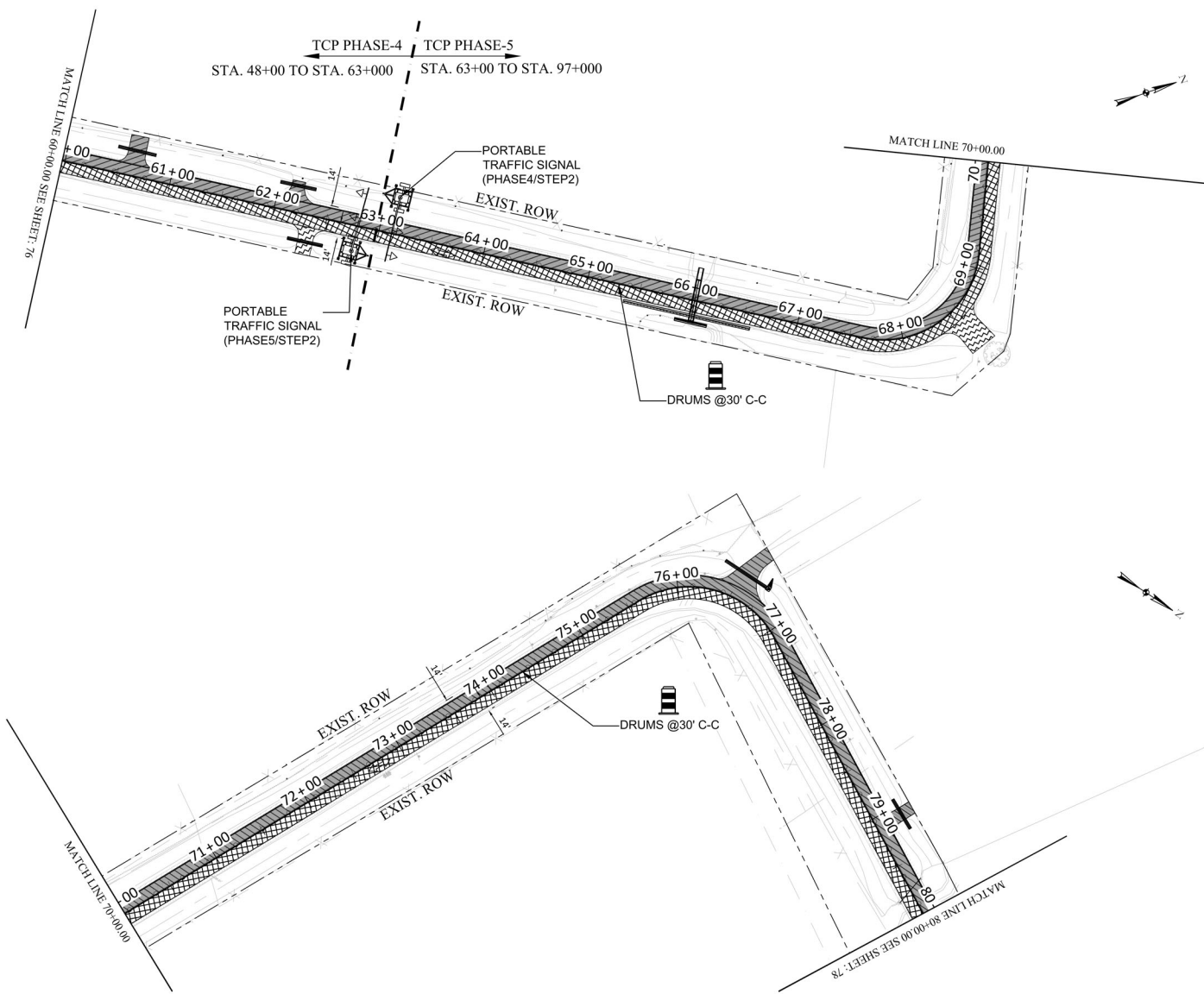


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 2
STA. 40+00 TO STA. 60+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 76 |

PLOT DATE: 6/4/2026 10:21 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PCIS\5-Final Design\100_Sheets\TCP.dwg



LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10' BLACK BASE PAVEMENT
- TEMPORARY 10' BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

- NOTES:
- SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
 - SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
 - SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
 - CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

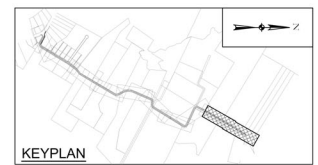
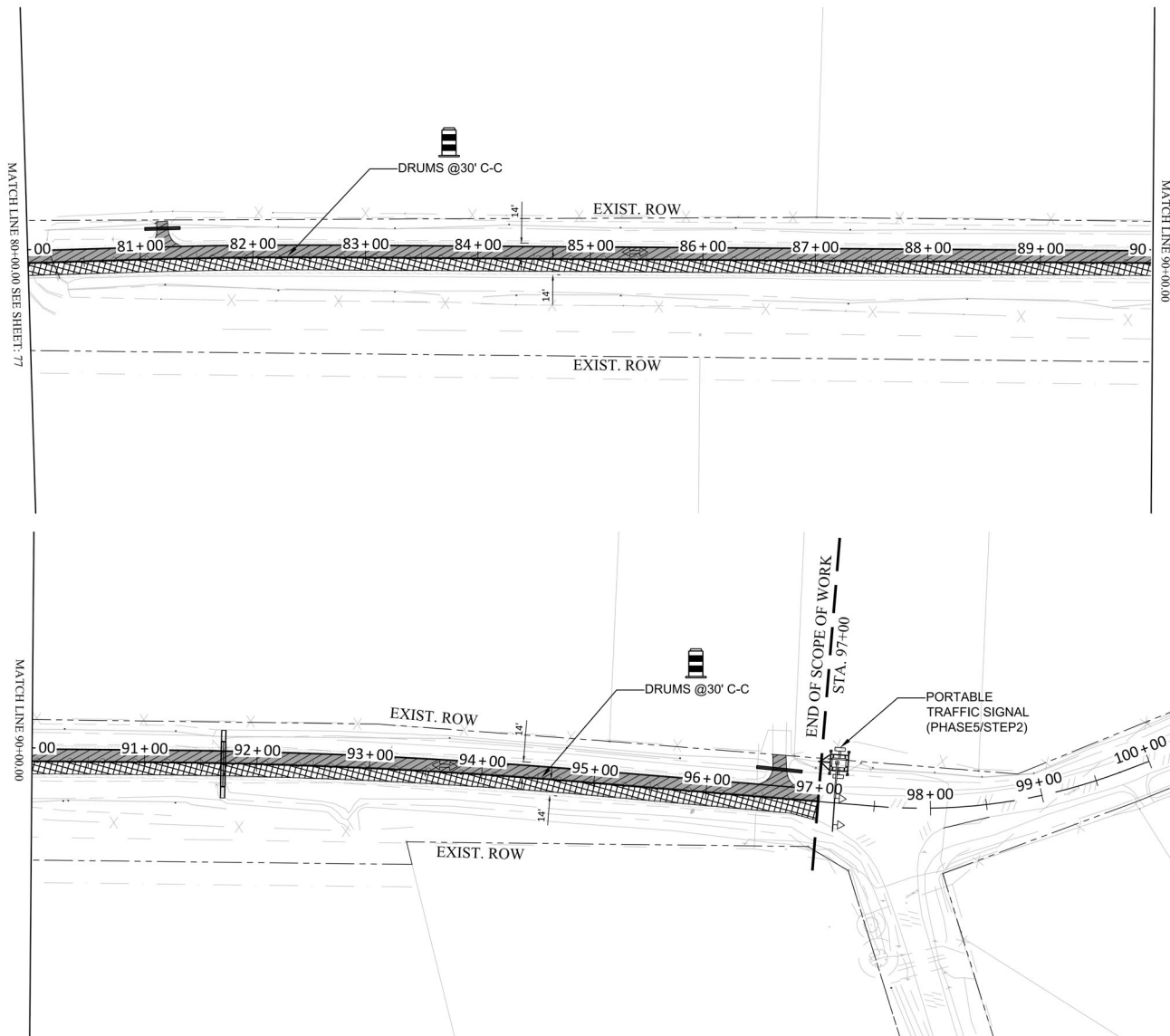


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 2
STA. 60+00 TO STA. 80+00

| | | | | |
|--------|------|--------|-------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 77 |

PLOT DATE: 5/20/2026 4:58 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\3-Final Design\03_Sheets\TCP.dwg



LEGEND

- PERMANENT PAVEMENT CONSTRUCTION
- PERMANENT DRIVEWAY CONSTRUCTION
- PERMANENT PAVEMENT CONSTRUCTION (PREVIOUS STEP)
- TEMPORARY 10" BLACK BASE PAVEMENT
- TEMPORARY 10" BLACK BASE PAVEMENT (PREVIOUS STEP)
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- TCP TRAFFIC FLOW - ONE-LANE/ONE-WAY
- PORTABLE TRAFFIC SIGNAL

NOTES:

- SEE SHEET#79 FOR TCP DESIGN CRITERIA AND GENERAL NOTES.
- SEE SHEET#80 FOR TYPICAL SECTIONS AND NARRATIVE.
- SEE SHEETS#84 THROUGH 93 FOR SIGNAGE DETAILS.
- CONTRACTOR TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

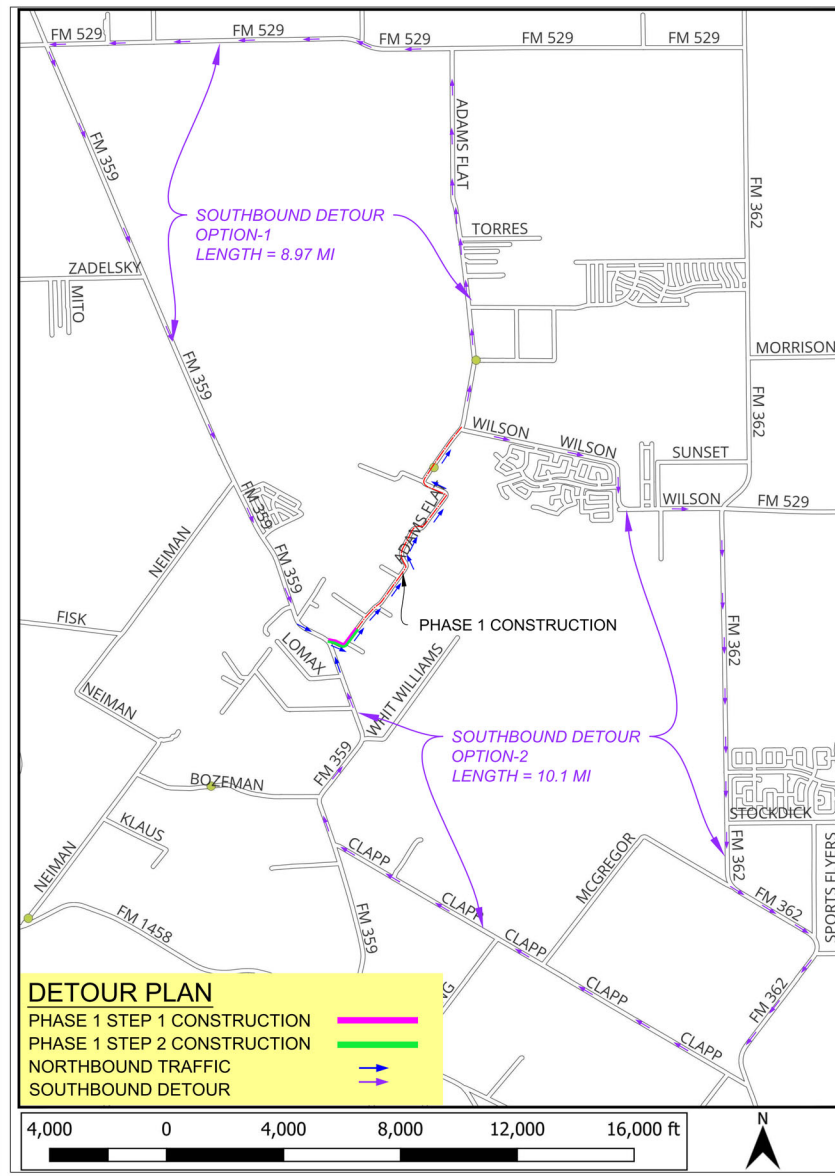
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
GENERAL CONSTRUCTION SEQUENCE - STEP 2
STA. 80+00 TO STA. 97+00

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 78 |

100% SUBMITTAL

5/30/2026

PLOT DATE: 5/20/2026 4:58 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC P1213-5-Final Design\100_Sheets\102.dwg



100% SUBMITTAL

5/30/2026

W20-2 48" X 48" DETOUR AHEAD (A)

M4-12T 36" X 12" (B)

W20-2 48" X 48" DETOUR (C)

M4-12T 36" X 12" (D)

G20-2 36" X 18" END ROAD WORK (E)

R11-3 60" X 30" ROAD CLOSED LOCAL TRAFFIC ONLY (F)

R11-3 60" X 30" ROAD CLOSED 0.1 MILES AHEAD LOCAL TRAFFIC ONLY (G)

W20-2 48" X 48" DETOUR AHEAD (H)

M4-12T 36" X 12" (I)

M4-9L 30" X 24" DETOUR (J)

M4-12T 36" X 12" (K)

R5-1 30" X 30" DO NOT ENTER (L)

WRONG WAY (M)

R5-1a 36" X 24" (N)

W20-3 48" X 48" (O)

M4-12T 36" X 12" (P)

M4-9L 30" X 24" (Q)

M4-12T 36" X 12" (R)

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

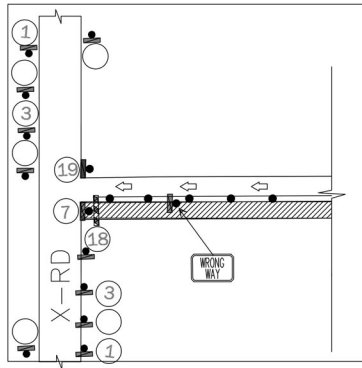


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

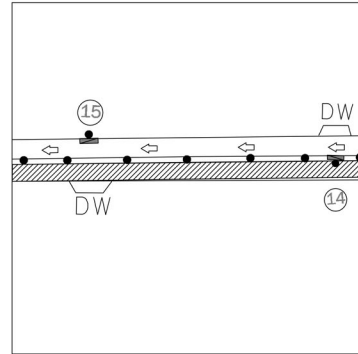
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PHASE 1: ONE-LANE ONE-WAY OPERATION DETOUR

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 79 |

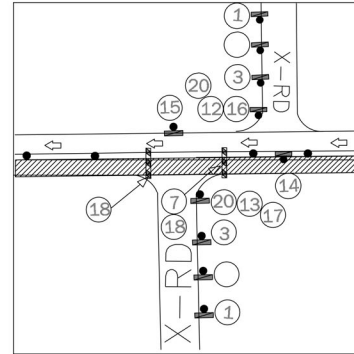
STEP - 2



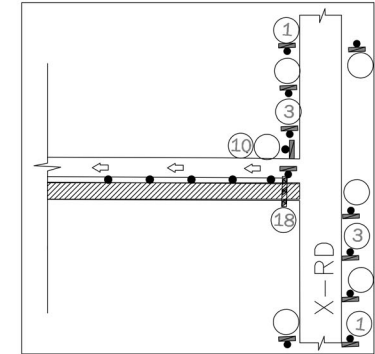
END OF WORK



DRIVEWAYS

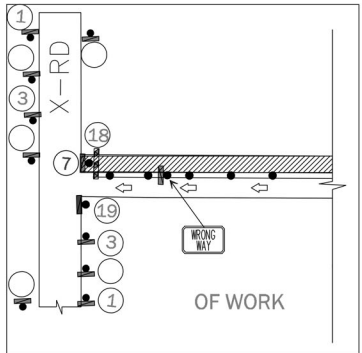


INTERSECTING ROAD

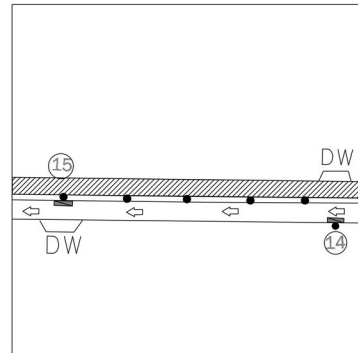


BEGINNING OF WORK

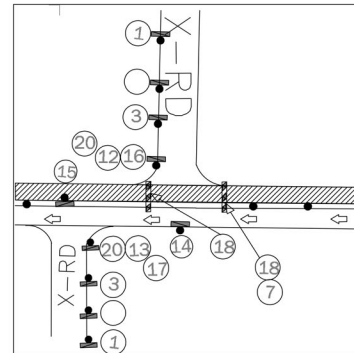
STEP - 1



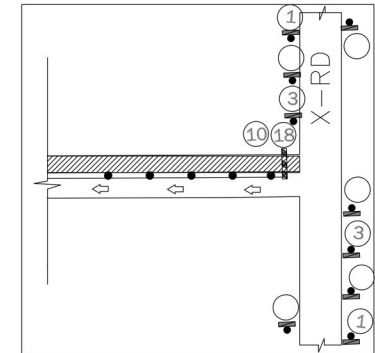
END OF WORK



DRIVEWAYS



INTERSECTING ROAD



BEGINNING OF WORK

CONSTRUCTION WARNING SIGN SPACING

| Posted Speed or 85% Speed (MPH) | X Min. Distance (feet) |
|---------------------------------|------------------------|
| 30 or less | 120 |
| 35 | 160 |
| 40 | 240 |
| 45 | 320 |
| 50 | 400 |
| 55 | 500 |
| 65 | 750 |

DW : DRIVEWAY
X-RD: INTERSECTING ROAD

LEGEND

- CONSTRUCTION AREA
- SIGN POST
- REFLECTIVE DELINEATOR
- TYPE 3 BARRICADE

| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | |
| | | | | | | | | | | |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

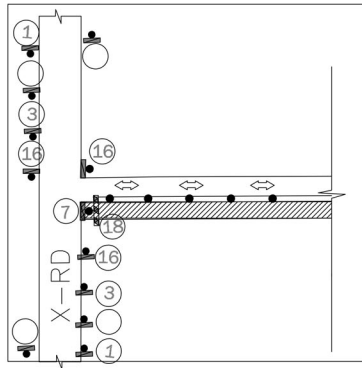


ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
WORK ZONE SIGNAGE - ONE-LANE ONE-WAY

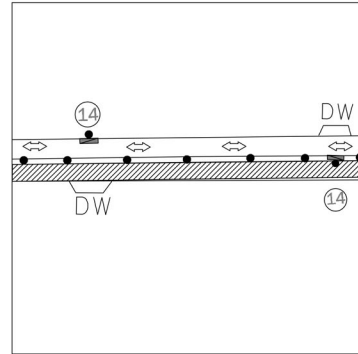
N

| | | | | | |
|--------|------|--------|-------|------------|-----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO. |
| CK DW: | | WALLER | | | 80 |

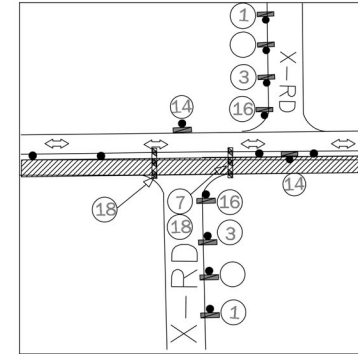
STEP - 2



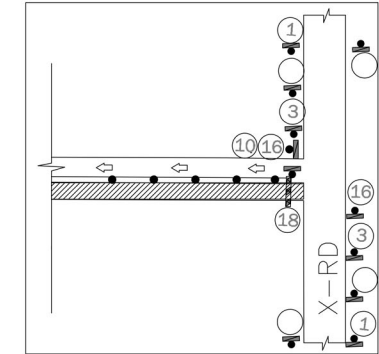
END OF WORK



DRIVEWAYS

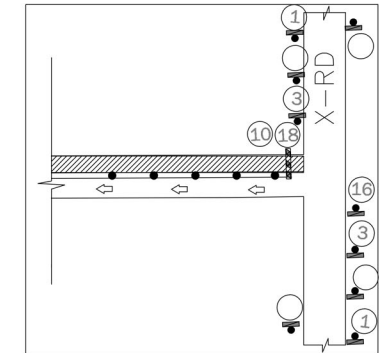
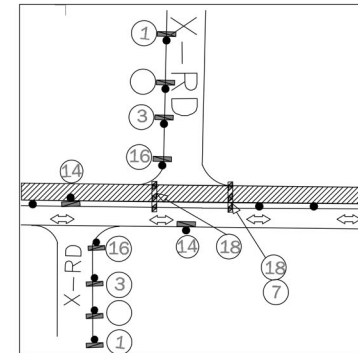
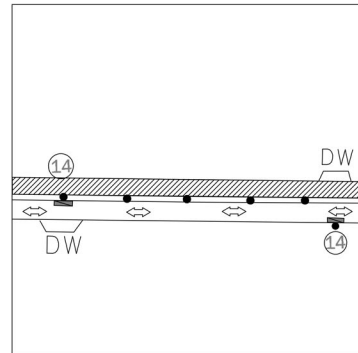
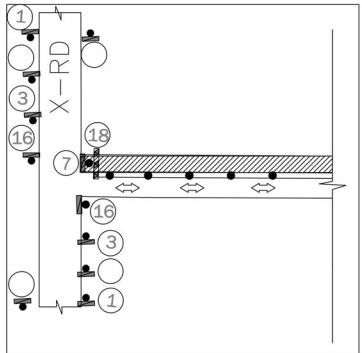


INTERSECTING ROAD



BEGINNING OF WORK

STEP - 1

CONSTRUCTION WARNING
SIGN SPACING

| Posted Speed or 85% Speed (MPH) | X Min. Distance (feet) |
|---------------------------------|------------------------|
| 30 or less | 120 |
| 35 | 160 |
| 40 | 240 |
| 45 | 320 |
| 50 | 400 |
| 55 | 500 |
| 65 | 750 |

DW : DRIVEWAY
X-RD : INTERSECTING ROAD

LEGEND

- CONSTRUCTION AREA
- SIGN POST
- REFLECTIVE DELINEATOR
- TYPE 3 BARRICADE

| | | | | | | | | | | |
|---|---|--------------------------|--------------------------|--------------------------|-------------------------|--|------------------------|-------------------------|-----------------------|---|
|
CW20-10
36" X 36" |
CW20-4D
36" X 36" |
CW20-4D
36" X 36" |
CW20-5R
36" X 36" |
CW20-5L
36" X 36" |
CW20-2
36" X 18" |
R11-2
48" X 30" |
M4-88
24" X 18" |
R11-3a
60" X 30" |
R6-6
24" X 30" |
M4-95
M4-95
M4-127
21" X 15" |
|
M4-9R
VARX12"
M4-127
21" X 15" |
M4-9L
VARX12"
M4-127
21" X 15" |
W1-7
48" X 24" |
R6-1
36" X 12" |
CW20-7
36" X 36" |
R3-1
36" X 36" |
(TYPE B BARRICADE
W/TYPE A FLASHING
WARNING LIGHT) |
RS-1
36" X 36" |
M4-12T
21" X 15" |
ONE WAY |
ONE WAY |

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

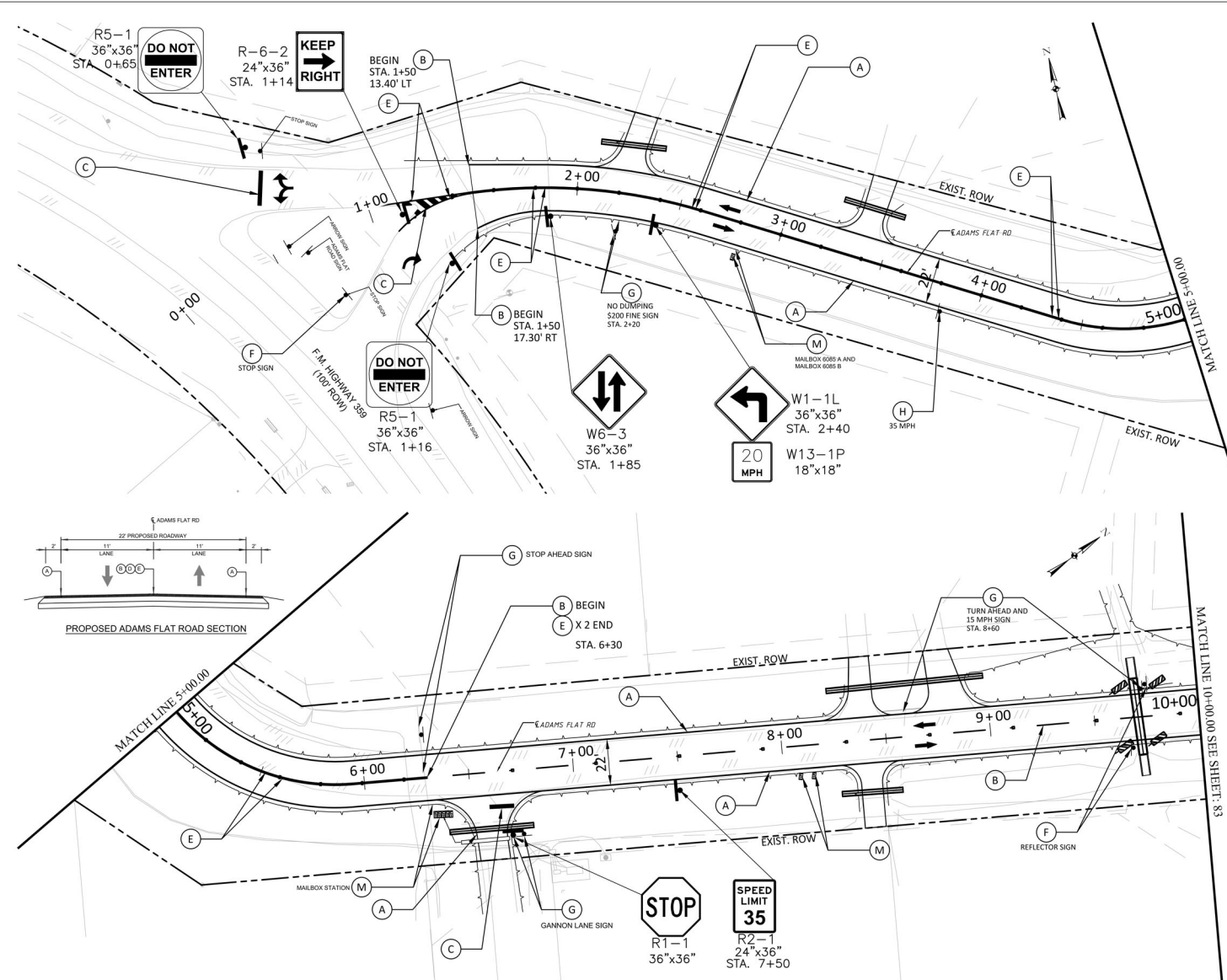
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
WORK ZONE SIGNAGE - ONE-LANE TWO-WAY

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 81 |

100% SUBMITTAL



5/30/2026



LEGEND

- (A) PROP. REFL PAV MRK TY I (W)(4")(SLD)
- (B) PROP. REFL PAV MRK TY I (Y)(4")(BRK)
- (C) PROP. REFL PAV MRK TY I (W)(24")(SLD)
- (D) NOT USED
- (E) PROP. REFL PAV MRK TY I (Y)(4")(SLD)
- (F) EXISTING SIGN TO BE REMOVED
- (G) EXISTING SIGN TO BE REMOVED AND REPLACED WITH NEW SIGN (SAME TYPE, REFER TO DETAILS SHEETS)
- (H) EXISTING SIGN TO REMAIN
- (M) EXISTING MAILBOX TO BE RELOCATED
- PROP. OBJECT MARKER
- EXISTING SIGN
- PROP. SIGN
- PROP. TRAFFIC FLOW

NOTES:

1. FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
2. ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
3. EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
4. EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
5. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR EFFECTIVELY OBLITERATED.
6. PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

100% SUBMITTAL



6/18/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

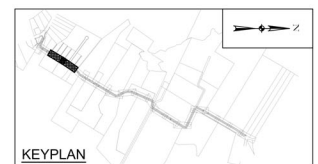
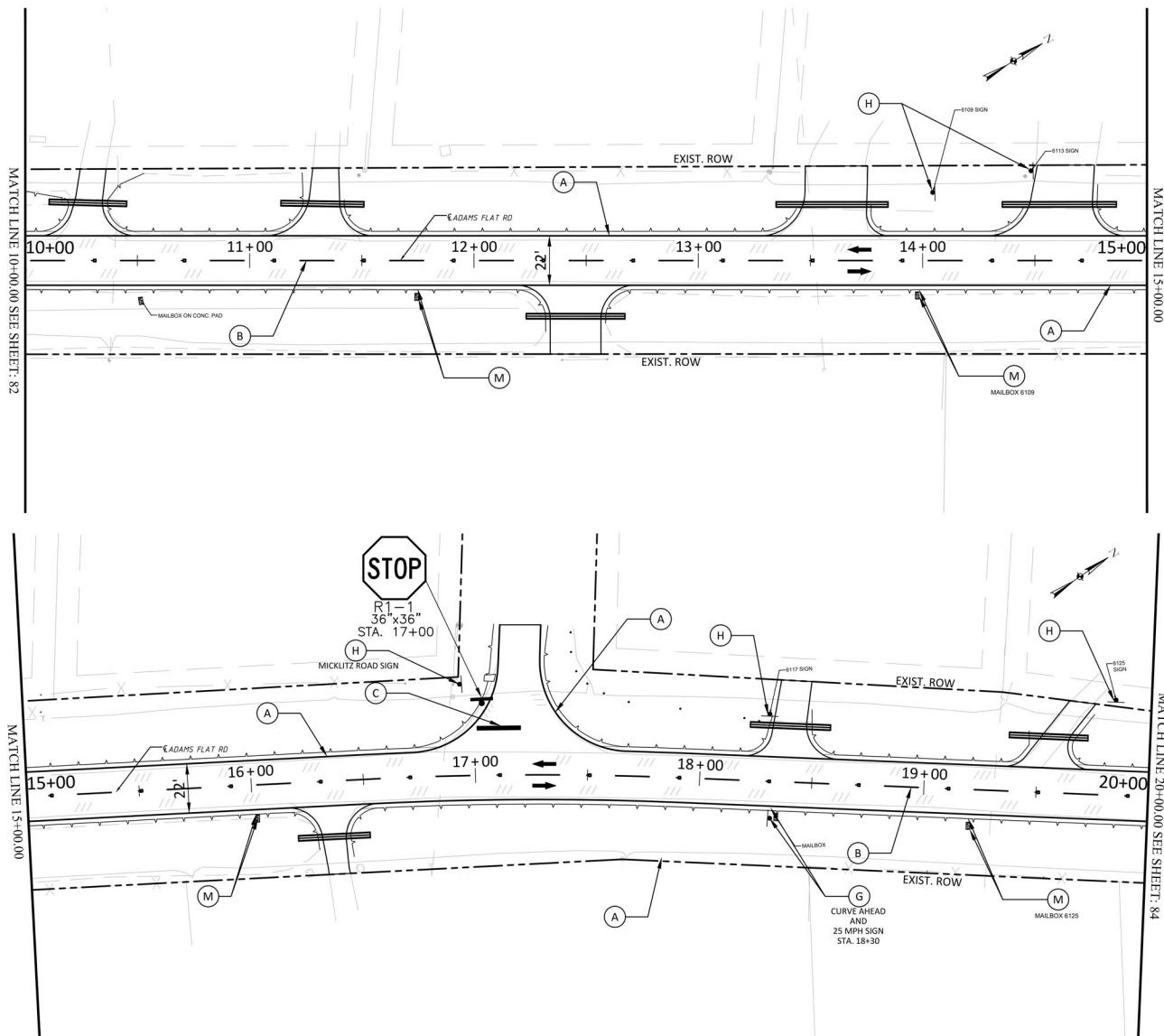
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 0+00 TO STA. 10+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 82 |



- LEGEND**
- (A) PROP. REFL PAV MRK TY I (W)(4'')(SLD)
 - (B) PROP. REFL PAV MRK TY I (Y)(4'')(BRK)
 - (C) PROP. REFL PAV MRK TY I (W)(24'')(SLD)
 - (D) NOT USED
 - (E) PROP. REFL PAV MRK TY I (Y)(4'')(SLD)
 - (F) EXISTING SIGN TO BE REMOVED
 - (G) EXISTING SIGN TO BE REMOVED AND REPLACED WITH NEW SIGN (SAME TYPE, REFER TO DETAILS SHEETS)
 - (H) EXISTING SIGN TO REMAIN
 - (M) EXISTING MAILBOX TO BE RELOCATED
 - PROP. OBJECT MARKER
 - EXISTING SIGN
 - PROP. SIGN
 - PROP. TRAFFIC FLOW

- NOTES:**
- FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
 - ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
 - EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
 - EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
 - ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR EFFECTIVELY OBLITERATED.
 - PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

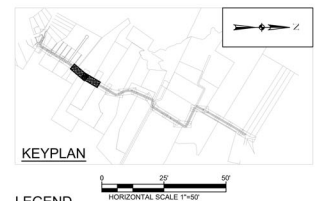
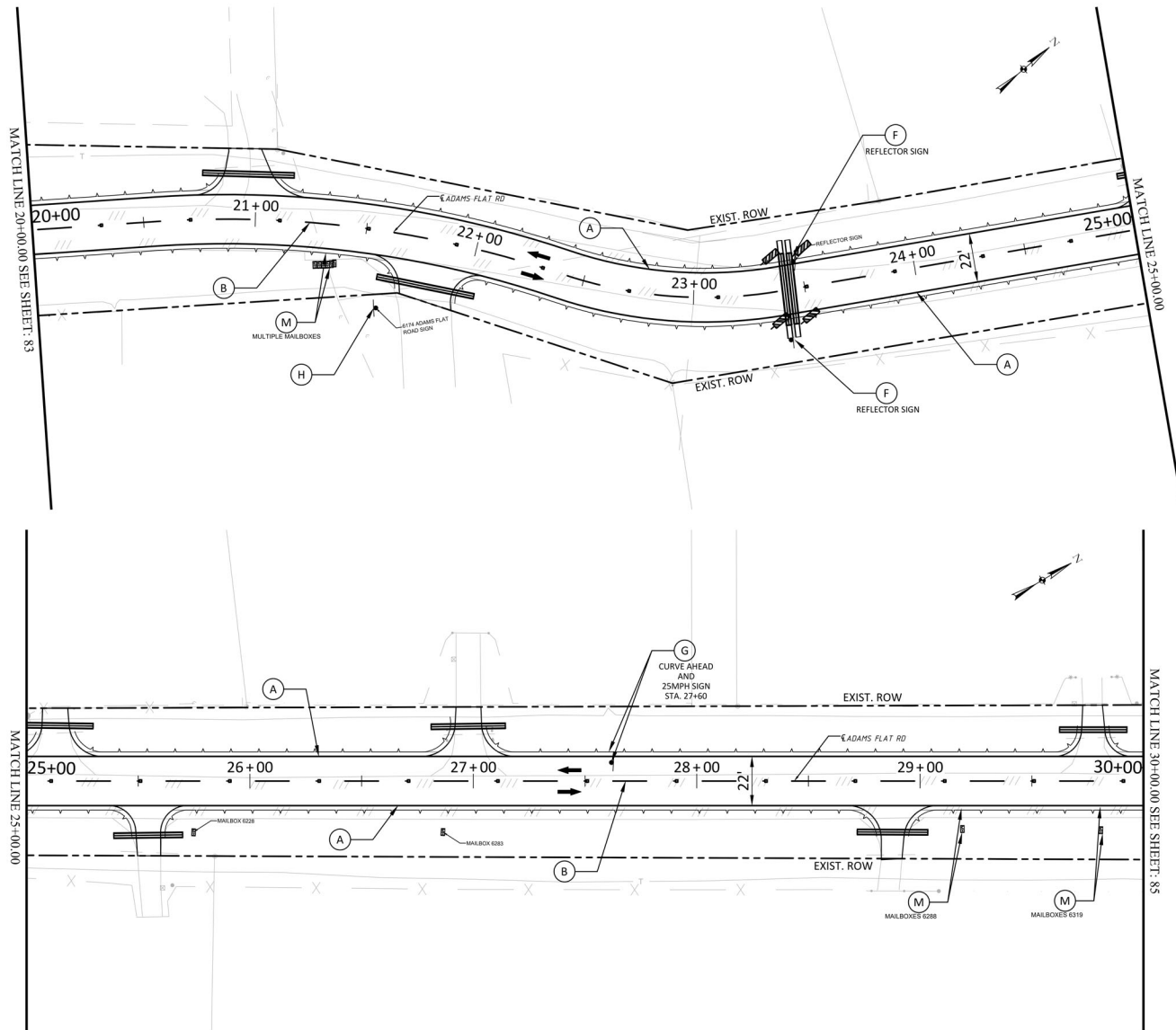


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 10+00 TO STA. 20+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 83 |

PLOT DATE: 7/9/2024 6:15 AM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\0-Final Design\03_Sheets\SIGNING&MARKING.dwg



- LEGEND**
- (A) PROP. REFL PAV MRK TY I (W)(4")(SLD)
 - (B) PROP. REFL PAV MRK TY I (Y)(4")(BRK)
 - (C) PROP. REFL PAV MRK TY I (W)(24")(SLD)
 - (D) NOT USED
 - (E) PROP. REFL PAV MRK TY I (Y)(4")(SLD)
 - (F) EXISTING SIGN TO BE REMOVED
 - (G) EXISTING SIGN TO BE REMOVED AND REPLACED WITH NEW SIGN (SAME TYPE, REFER TO DETAILS SHEETS)
 - (H) EXISTING SIGN TO REMAIN
 - (M) EXISTING MAILBOX TO BE RELOCATED
 - ▬ PROP. OBJECT MARKER
 - EXISTING SIGN
 - ▬ PROP. SIGN
 - ➔ PROP. TRAFFIC FLOW

- NOTES:**
- FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
 - ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
 - EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
 - EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
 - ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR EFFECTIVELY OBLITERATED.
 - PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

100% SUBMITTAL



6/18/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

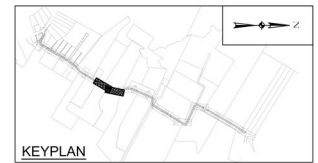


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 20+00 TO STA. 30+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 84 |



NOTES:

1. FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
2. ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
3. EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
4. EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
5. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR ERODED PRIOR TO INSTALLATION OF PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

6/18/2026

[illegible]

The seal of the State of Texas, Waller County, is a circular emblem. It features a five-pointed star in the center, surrounded by a wreath. The words "THE STATE OF TEXAS" are inscribed along the top arc, and "WALLER COUNTY" is inscribed along the bottom arc.



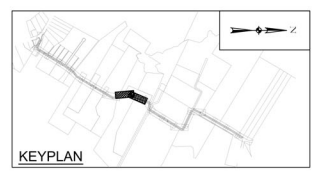
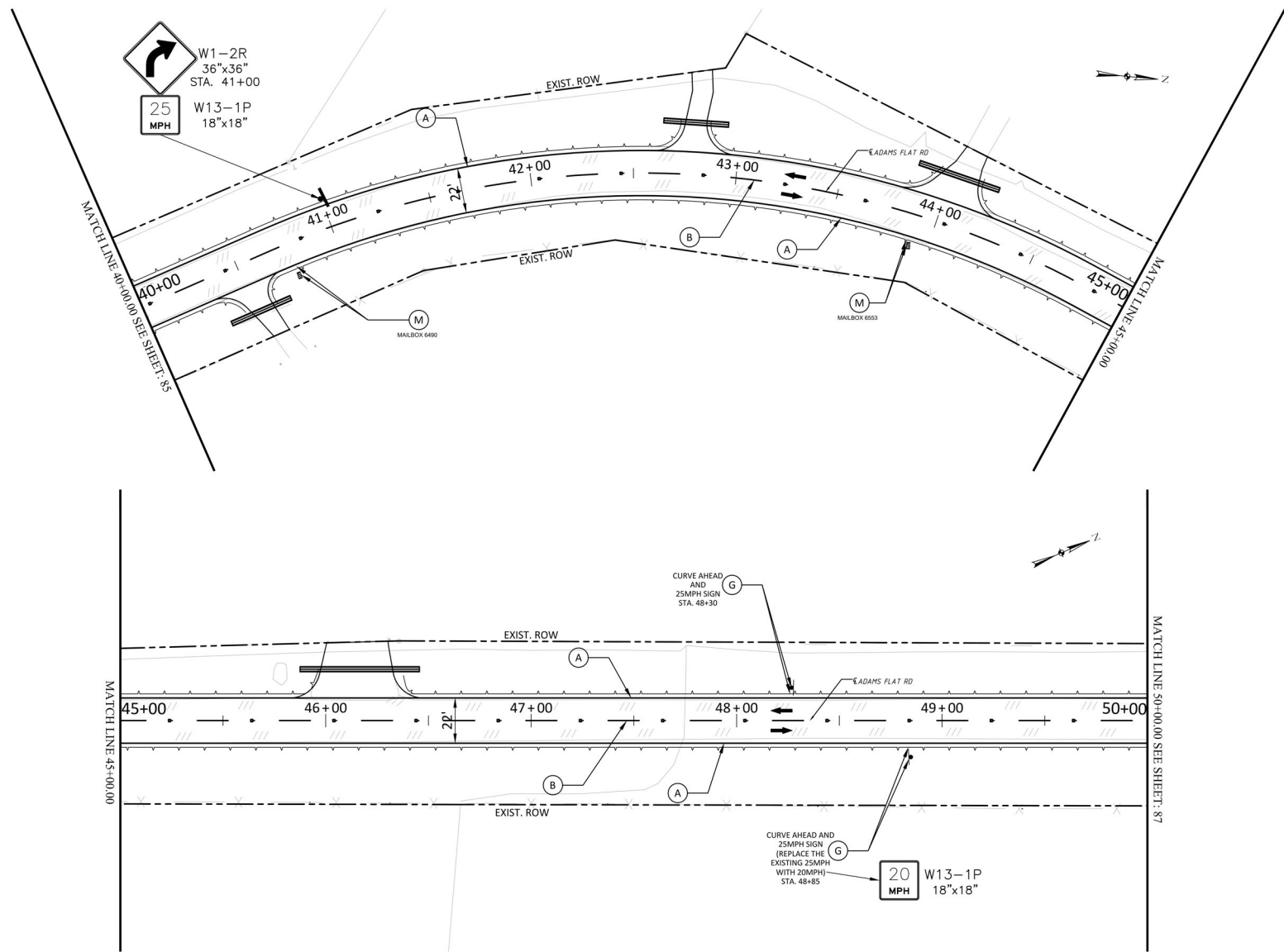
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 30+00 TO STA. 40+00

N

| | | | | | |
|--------|------|--------|-------|------------|-----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO. |
| CK DW: | | WALLER | | | 85 |

100% SUBMITTAL

PLOT DATE: 7/9/2020 6:15 AM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\0-Final Design\03_Sheets\SIGNING&MARKING.dwg



- LEGEND**
- (A) PROP. REFL PAV MRK TY I (W)(4")(SLD)
 - (B) PROP. REFL PAV MRK TY I (Y)(4")(BRK)
 - (C) PROP. REFL PAV MRK TY I (W)(24")(SLD)
 - (D) NOT USED
 - (E) PROP. REFL PAV MRK TY I (Y)(4")(SLD)
 - (F) EXISTING SIGN TO BE REMOVED
 - (G) EXISTING SIGN TO BE REMOVED AND REPLACED WITH NEW SIGN (SAME TYPE, REFER TO DETAILS SHEETS)
 - (H) EXISTING SIGN TO REMAIN
 - (M) EXISTING MAILBOX TO BE RELOCATED
 - PROP. OBJECT MARKER
 - EXISTING SIGN
 - PROP. SIGN
 - PROP. TRAFFIC FLOW

- NOTES:**
1. FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
 2. ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
 3. EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
 4. EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
 5. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR EFFECTIVELY OBLITERATED.
 6. PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
 7. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

100% SUBMITTAL

6/18/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

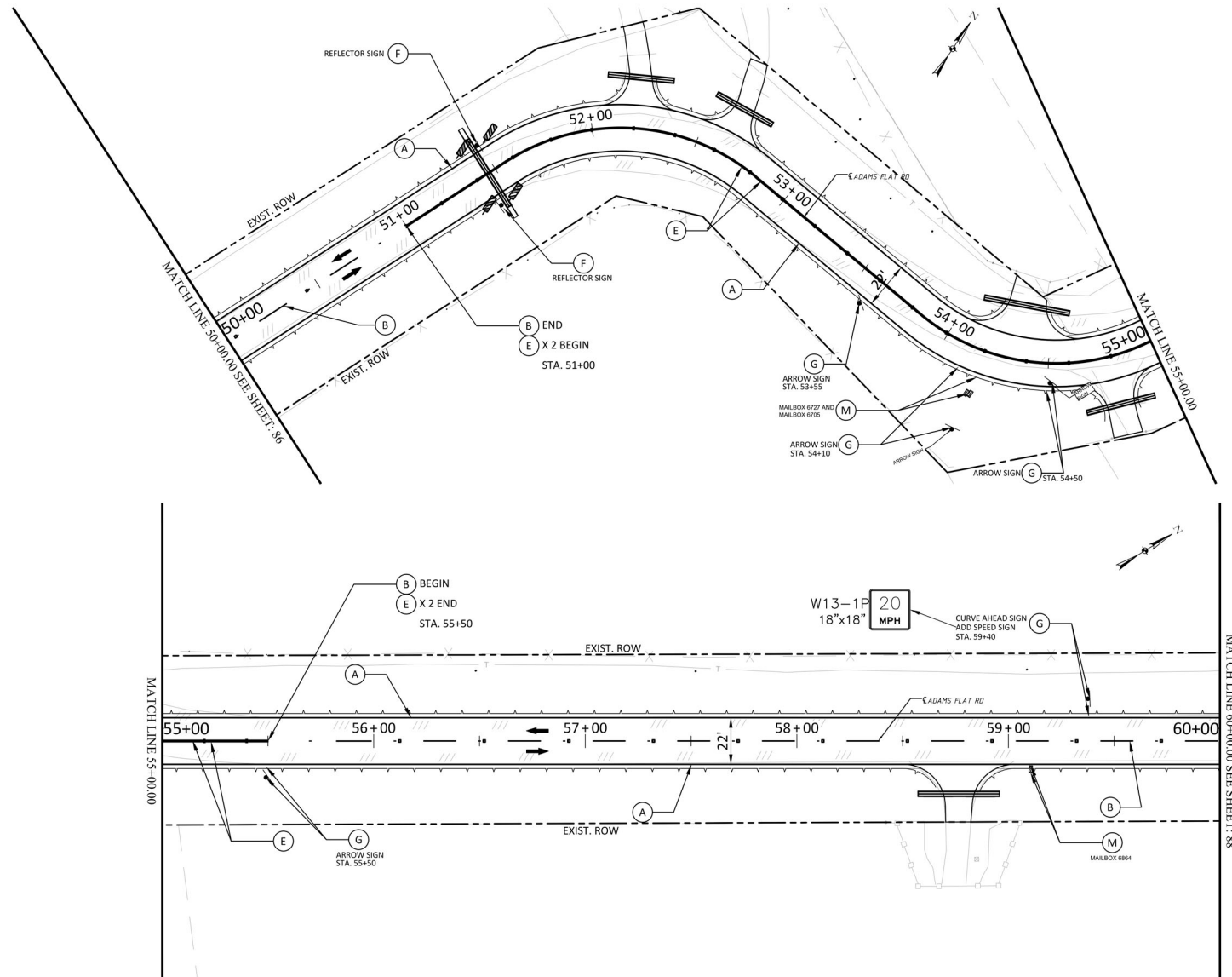
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 40+00 TO STA. 50+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 86 |



LEGEND

- (A) PROP. REFL PAV MRK TY I (W)(4'')(SLD)
- (B) PROP. REFL PAV MRK TY I (Y)(4'')(BRK)
- (C) PROP. REFL PAV MRK TY I (W)(24'')(SLD)
- (D) NOT USED
- (E) PROP. REFL PAV MRK TY I (Y)(4'')(SLD)
- (F) EXISTING SIGN TO BE REMOVED
- (G) EXISTING SIGN TO BE REMOVED AND REPLACED WITH NEW SIGN (SAME TYPE, REFER TO DETAILS SHEETS)
- (H) EXISTING SIGN TO REMAIN
- (M) EXISTING MAILBOX TO BE RELOCATED
- (P) PROP. OBJECT MARKER
- (S) EXISTING SIGN
- (P) PROP. SIGN
- PROP. TRAFFIC FLOW

NOTES:

- FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
- ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
- EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
- EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
- ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR EFFECTIVELY OBLITERATED.
- PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

100% SUBMITTAL



6/18/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

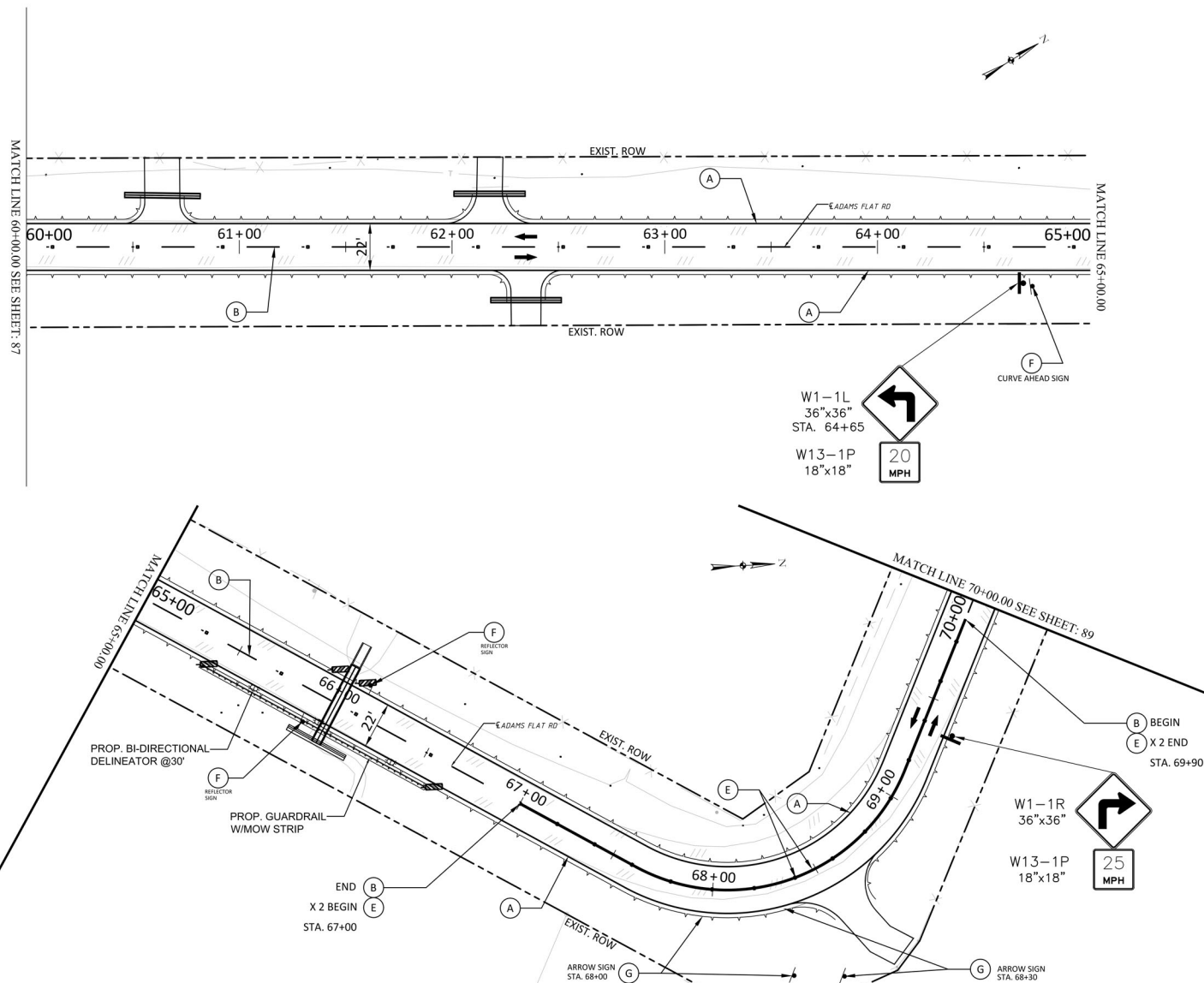
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 5+00 TO STA. 60+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-----------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | SHEET NO. | |
| CK DW: | | WALLER | 87 | |



LEGEND

- (A) PROP. REFL PAV MRK TY I (W)(4'')(SLD)
- (B) PROP. REFL PAV MRK TY I (Y)(4'')(BRK)
- (C) PROP. REFL PAV MRK TY I (W)(24'')(SLD)
- (D) NOT USED
- (E) PROP. REFL PAV MRK TY I (Y)(4'')(SLD)
- (F) EXISTING SIGN TO BE REMOVED
- (G) EXISTING SIGN TO BE REMOVED AND REPLACED WITH NEW SIGN (SAME TYPE, REFER TO DETAILS SHEETS)
- (H) EXISTING SIGN TO REMAIN
- (M) EXISTING MAILBOX TO BE RELOCATED
- PROP. OBJECT MARKER
- EXISTING SIGN
- PROP. SIGN
- PROP. TRAFFIC FLOW

NOTES:

- FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
- ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
- EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
- EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
- ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR EFFECTIVELY OBLITERATED.
- PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



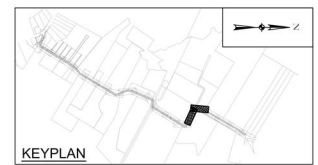
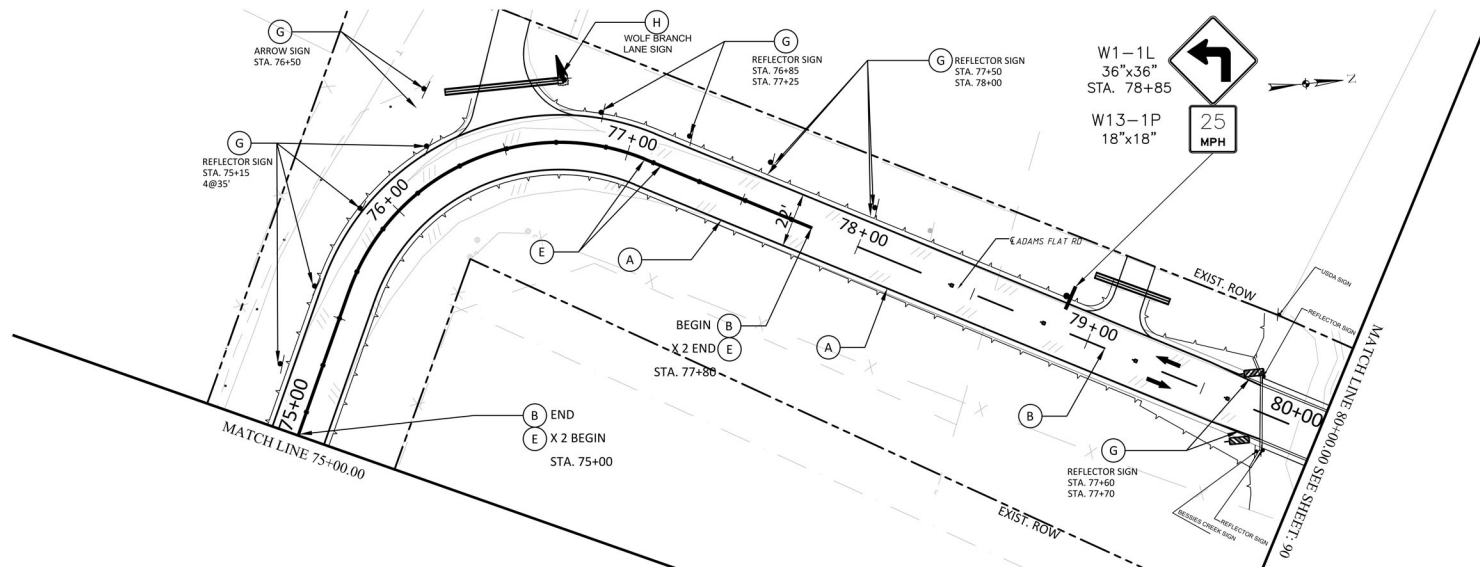
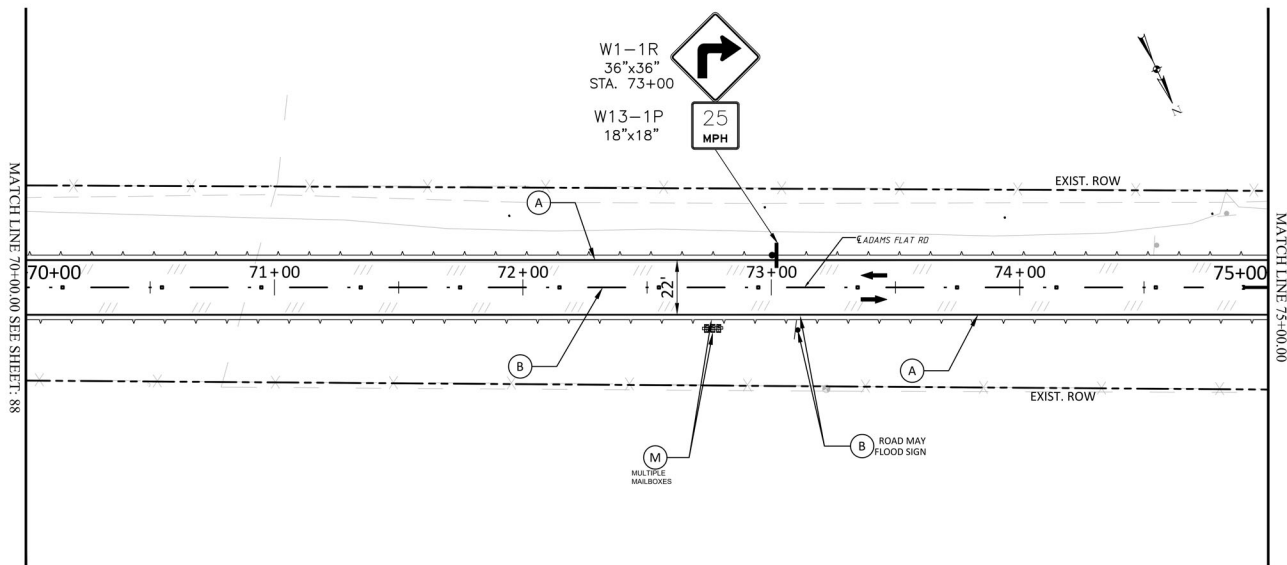
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 60+00 TO STA. 70+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-----------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | SHEET NO. | |
| CK DW: | | WALLER | 88 | |

PLOT DATE: 7/9/2020 6:15 AM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\6-Final Design\03_Signing\Signing\Signing.dwg



LEGEND

- (A) PROP. REFL PAV MRK TY I (W)(4")(SLD)
- (B) PROP. REFL PAV MRK TY I (Y)(4")(BRK)
- (C) PROP. REFL PAV MRK TY I (W)(24")(SLD)
- (D) NOT USED
- (E) PROP. REFL PAV MRK TY I (Y)(4")(SLD)
- (F) EXISTING SIGN TO BE REMOVED
- (G) EXISTING SIGN TO BE REMOVED AND REPLACED WITH NEW SIGN (SAME TYPE, REFER TO DETAILS SHEETS)
- (H) EXISTING SIGN TO REMAIN
- (M) EXISTING MAILBOX TO BE RELOCATED
- ▬ PROP. OBJECT MARKER
- EXISTING SIGN
- ▬ PROP. SIGN
- ▬ PROP. TRAFFIC FLOW

NOTES:

1. FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
2. ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
3. EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
4. EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
5. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR EFFECTIVELY OBLITERATED.
6. PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

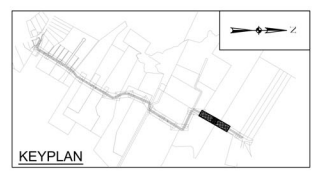
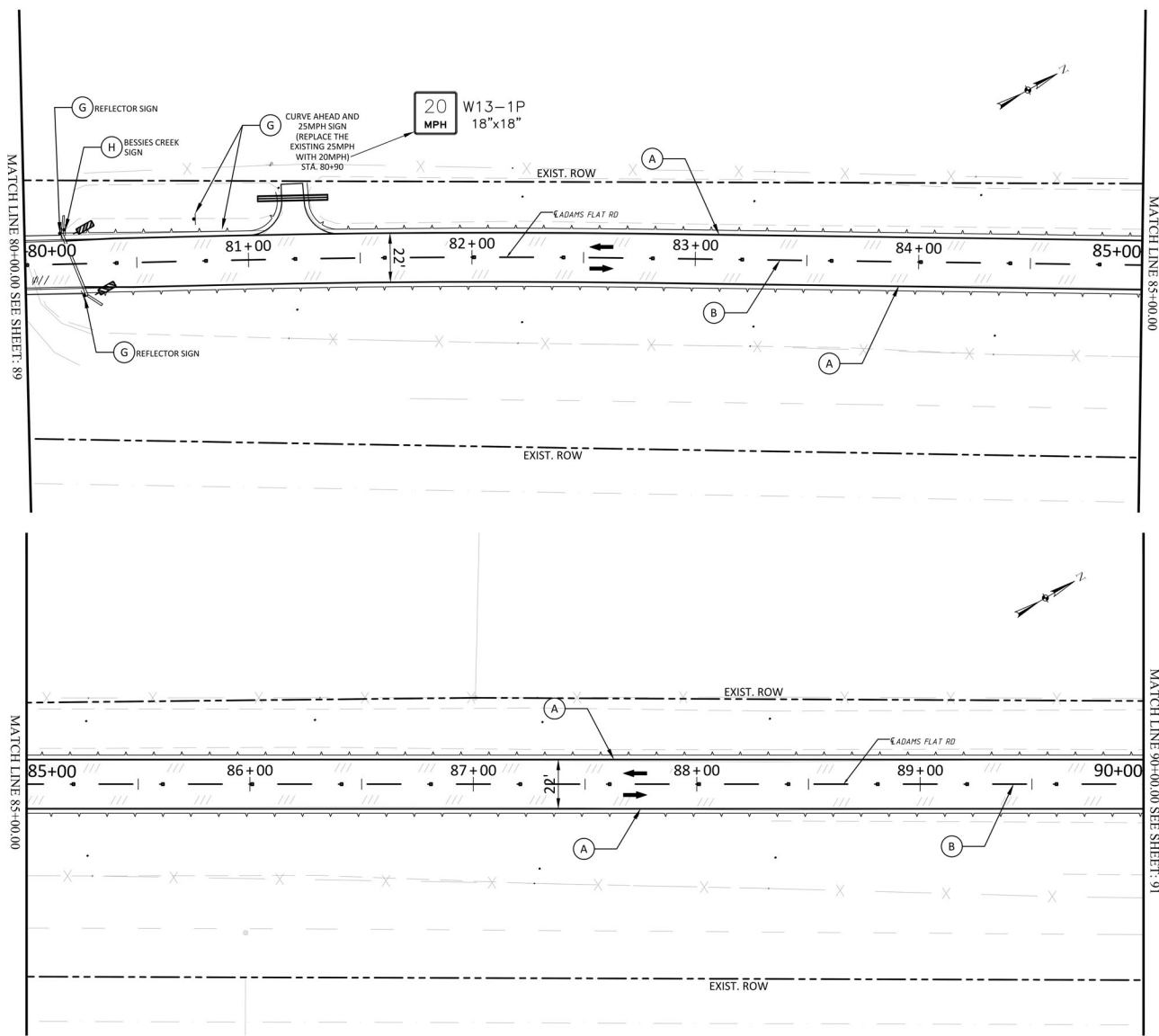


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 70+00 TO STA. 80+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-----------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | SHEET NO. | |
| CK DW: | | WALLER | 89 | |

PLOT DATE: 7/9/2020 6:15 AM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\6-Final Design\03_Sheets\SIGNING&MARKING.dwg



- LEGEND**
- (A) PROP. REFL PAV MRK TY I (W)(4")(SLD)
 - (B) PROP. REFL PAV MRK TY I (Y)(4")(BRK)
 - (C) PROP. REFL PAV MRK TY I (W)(24")(SLD)
 - (D) NOT USED
 - (E) PROP. REFL PAV MRK TY I (Y)(4")(SLD)
 - (F) EXISTING SIGN TO BE REMOVED
 - (G) EXISTING SIGN TO BE REMOVED AND REPLACED WITH NEW SIGN (SAME TYPE, REFER TO DETAILS SHEETS)
 - (H) EXISTING SIGN TO REMAIN
 - (M) EXISTING MAILBOX TO BE RELOCATED
 - ▨ PROP. OBJECT MARKER
 - EXISTING SIGN
 - ▬ PROP. SIGN
 - ➡ PROP. TRAFFIC FLOW

- NOTES:**
1. FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
 2. ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
 3. EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
 4. EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
 5. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR EFFECTIVELY OBLITERATED.
 6. PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
 7. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

100% SUBMITTAL

6/18/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

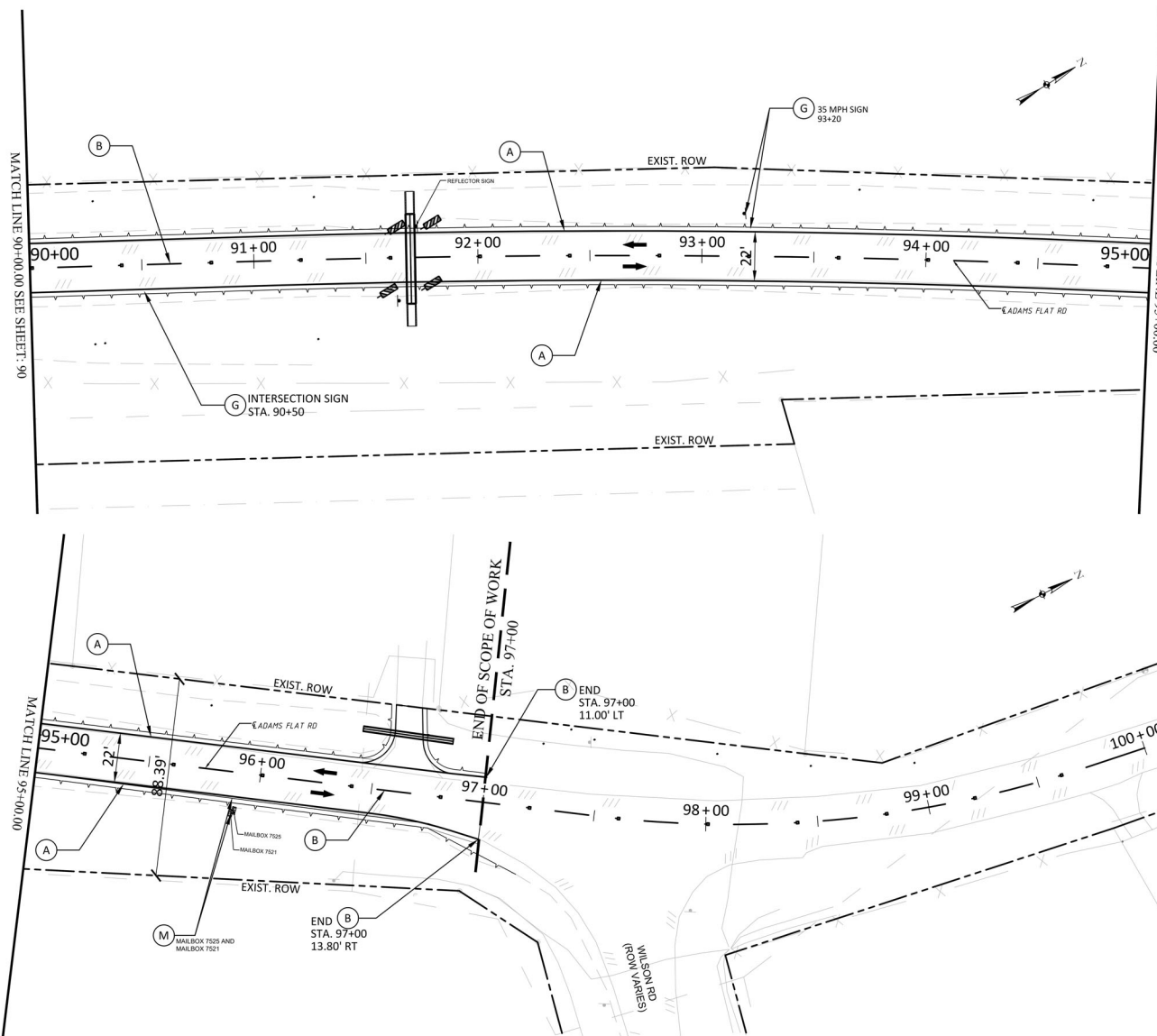


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 80+00 TO STA. 90+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 90 |

PLOT DATE: 7/9/2020 6:15 AM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC_P013\6-Final Design\2-Final Design\03_Sheet\SIGNING&MARKING.dwg



LEGEND

- (A) PROP. REFL PAV MRK TY I (W)(4'')(SLD)
- (B) PROP. REFL PAV MRK TY I (Y)(4'')(BRK)
- (C) PROP. REFL PAV MRK TY I (W)(24'')(SLD)
- (D) NOT USED
- (E) PROP. REFL PAV MRK TY I (Y)(4'')(SLD)
- (F) EXISTING SIGN TO BE REMOVED
- (G) EXISTING SIGN TO BE REMOVED AND REPLACED WITH NEW SIGN (SAME TYPE, REFER TO DETAILS SHEETS)
- (H) EXISTING SIGN TO REMAIN
- (M) EXISTING MAILBOX TO BE RELOCATED
- PROP. OBJECT MARKER
- EXISTING SIGN
- PROP. SIGN
- PROP. TRAFFIC FLOW

NOTES:

1. FOR PAVEMENT MARKING DETAILS REFER TO SHEETS # 119& 120.
2. ALL EXISTING UTILITY MARKERS, REFLECTORS, AND POSTS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
3. EXISTING SIGNS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ANY SIGN DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND.
4. EXISTING OBJECT MARKERS, DELINEATORS, AND REFLECTORS IMPACTED BY CONSTRUCTION SHALL BE RESET OR REPLACED IN KIND AFTER CONSTRUCTION IS COMPLETE.
5. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING OR TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED OR EFFECTIVELY OBLITERATED.
6. PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED AFTER FINAL SURFACE COURSE IS COMPLETE, UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SIGNS AND APPURTENANCES PRIOR TO CONSTRUCTION.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SIGNING AND PAVEMENT MARKING PLAN
STA. 90+00 TO STA. 97+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 91 |

STORM WATER POLLUTION PREVENTION PLAN

PROJECT NAME: ADAMS FALT ROAD RECONSTRUCTION

LOCATION & LIMITS: FM 3529 TO WILSON RD

See plan cover sheet for vicinity map.

PROJECT SCOPE:

| Activity (check all that apply) | |
|---------------------------------|---|
| Roadway Expansion | |
| Roadway New Construction | |
| Underground Storm Sewer | |
| Detention Pond | |
| Bridge Expansion | |
| Bridge New Construction | |
| Roadway Reconstruction | X |

TOTAL PROJECT AREA: 19.10 Acres 9,550 Linear Feet

TOTAL AREA DISTURBED*: 13 Acres
(*Note: Include estimated need for project trailer and laydown yards.)

EXISTING CONDITIONS OF SOIL, VEGETATION, AND DRAINAGE:

SOIL: REFER TO TERRACON GEOTECHNICAL REPORT (NO. 92255083 DATED AUGUST 20, 2025)
VEGETATION: RURAL OPEN SPACE, PASTURE/LIGHT VEGETATION, SCATTERED TREE COVER, AND RESIDENTIAL FRONTAGE

DRAINAGE: OPEN ROADSIDE DITCHES WITH GENERALLY SHALLOW POSITIVE DRAINAGE. SOME AREAS EXHIBIT POORLY DEFINED OUTFALL CONDITIONS. THE EXISTING TOPOGRAPHY IS RELATIVELY LEVELED. THE DITCH IN EXISTING CONDITION HAVE VEGETATION AND SILT DEPOSITS AT SOME PLACES WHICH DISTURBS THE POSITIVE DRAINAGE.

PHASED CONSTRUCTION ACTIVITIES:

PHASING OF CONSTRUCTION ACTIVITIES WILL BE AS PER CONTRACTOR'S MEANS AND METHODS AND GIVEN TCPS.

BASIC STEPS OF CONSTRUCTION SEQUENCE WILL BE AS FOLLOW:

STABILIZED CONSTRUCTION ACCESS (IF REQUIRED)

INSTALL SWPPP FEATURES IN ACTIVE CONSTRUCTION ZONES

RECONSTRUCTION OF ASPHALT ROADWAYS

DESCRIPTION OF DRAINAGE AREAS AND OUTFALLS:

REFER TO DRAINAGE AND PLAN/PROFILE SHEETS

All outfall structures will be constructed in accordance to Harris County Specification 460 and any applicable specification referenced by it. Drainage pathways will shown on plan sheets stored with other attachments to this SWPPP.

Is Receiving Waters listed on the current TCEQ 303(d) list?
☐ No ☐ Yes, if yes list impairment

RECEIVING WATERS/CONVEYANCE:

Include name(s) of MS4 Operator(s) as applicable.

THE PROJECT ROADWAYS HAS EXISTING ROADSIDE DITCHES FOR DRAINAGE AND CONVEYANCE. NO CHANGE TO WATERS/CONVEYANCE

MAJOR SOIL DISTURBING ACTIVITIES:

| ACTIVITY (CHECK ALL THAT APPLY) | |
|-----------------------------------|---|
| SPEC 100 - Preparing Right-of-Way | X |
| SPEC 104/110/400 - Excavating | X |
| SPEC 400 - Fill | X |
| Leveling/Grading | X |

NOTES:

See Site Plan for detailed planning drawings.

SOIL STABILIZATION AND SEDIMENT CONTROL MEASURE:

| MEASURES | TEMPORARY | PERMANENT |
|---|-----------|-----------|
| SPEC 162 - Sodding | | |
| SPEC 164 - Seeding | X | |
| SPEC 164 - Erosion Control Mat/Mesh | | |
| SPEC 164 - Hydro-mulch | X | |
| SPEC 591 - Watering for Dust Control | X | |
| SPEC 591 - Rock Filter Dam | X | |
| SPEC 591 - Construction Exit | X | |
| SPEC 591 - Inlet Protection Barrier, Stage I | | |
| SPEC 591 - Inlet Protection Barrier, Stage II | | |
| SPEC 591 - Sediment-Control Fence | X | |
| SPEC 591 - Concrete Truck Washout Structures | X | |

NOTES:

If sediment escapes off site, these accumulations will be removed to minimize impact. Rock filter dams will be cleared before the reach 1/3 the height of the dam, other control measures will be cleared before their capacity has been reduced by 50%. As required in CGP TXR 150000, soil stabilization measures will be initiated in portions of the site where activities have ceased for a period exceeding 14 days. This stabilization will commence no later than the day following completion of work in these areas. If prompt repair or replacement is not feasible, the reason will be documented in the SWPPP. Records of dates for major grading activities, and initiation of stabilization measures will be maintained in the SWPPP. Daily work logs related to this section will be kept in CAPTRAC. The Harris County SWPPP detail sheet will be used when implementing BMP's and included with this document.

Current construction specification documents can be found at:
<http://www.eng.hctx.net/Consultants/Standards-Specifications/Standard-Engineering-Design-Specifications>

INSPECTION & MAINTENANCE:

Inspection and Maintenance will be performed according to SPEC 591. Inspections will be conducted at least every 7 calendar days. Inspection forms will be filed with SWPPP supporting documents. If repair or replacement of stabilization or erosion control features is necessary, it must be completed at the earliest date possible. Amendments will be tracked on the SWPPP Amendment Log. Daily work logs related to this section will be kept in current construction management system.

POTENTIAL POLLUTION SOURCES:

| | | | |
|------------------|---|-------------------|---|
| Concrete | ✓ | Cleaning Solvents | ✓ |
| Fertilizer | ✓ | Curing Compounds | ✓ |
| Pesticides | ✓ | Hydraulic Fluid | ✓ |
| Asphalt | ✓ | Motor Oil | ✓ |
| Paint | ✓ | | |
| Gasoline | ✓ | | |
| Diesel Fuel | ✓ | | |
| Sanitary Toilets | ✓ | | |

POLLUTION PREVENTION BMPS

Whenever possible all materials will be stored in their original containers in secure areas where spillage is protected from runoff. Stockpiles and work areas will be constructed in such a way to minimize the amount of sediment that enters receiving waters and wetlands. Spill prevention and control measures are included on attached site maps. Records of spills will be maintained with SWPPP supporting documents. Additional required BMPs can be found in SPEC 591. Temporary materials and structures will be removed from waterways as soon as feasible once they are no longer required.

WASTE MATERIAL:

All solid waste materials will be collected and stored in secure metal dumpsters, then transported to appropriate disposal facilities. Collection will be completed often enough to ensure that no waste materials will be lost due to overfilling of collection containers. Liquid wastes will be stored in sealed containers in designated areas and disposed of according to all applicable regulations. All wasted containers should meet all state and local requirements.

RESPONSIBLE PARTY/CONTRACTOR

| | |
|-----------|--|
| Name | |
| Title | |
| Company | |
| Signature | |

100% SUBMITTAL



5/30/2026

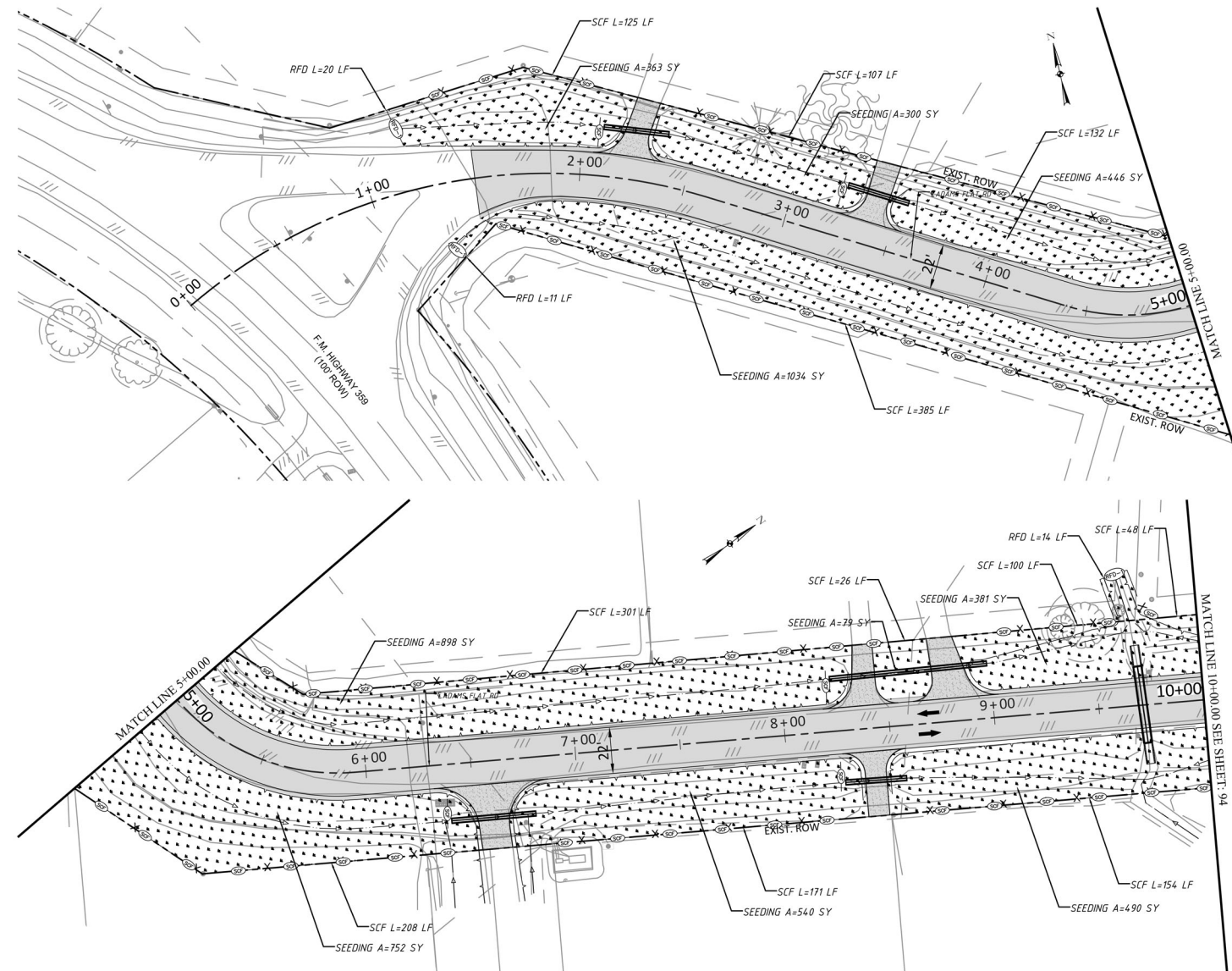
HARRIS COUNTY
ENGINEERING DEPARTMENTWALLER COUNTY
ENGINEERING DEPARTMENTTRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715FOR INTERIM REVIEW ONLY
DOCUMENT INCOMPLETE:
NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES
ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: // /

PROJECT TITLE:

| | | |
|--|-------------------|------------------------------|
| SHEET DESCRIPTION:
STORM WATER POLLUTION PREVENTION | | CIVIL
STANDARD
SW3P-WF |
| DRAWN BY:
407 | DATE:
10/10/23 | |
| CHK'D BY:
DR | SCALE:
NONE | SHEET NO.: |

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
WORK FORM

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 92 |



| PLAN LEGEND | |
|-------------|------------------------|
| | EXISTING RIGHT-OF-WAY |
| | BASILINE |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | SEDIMENT CONTROL FENCE |
| | ROCK FILTER DAM |
| | PROP. SODDING |

SW3P NOTES:

- FOR SW3P DETAILS, REFER TO SHEET # 123.
- FOR SW3P FORM, REFER TO SHEET # 92.
- OTHER EROSION AND SEDIMENTATION CONTROLS INCLUDE:
 - DAILY STREET SWEEPING.
 - INSPECTION AND MAINTENANCE PER APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE EROSION AND SEDIMENTATION CONTROLS WITH APPROVAL FROM ENGINEER.
- STOCKPILED EXCAVATION SHALL BE PROTECTED WITH FILTER FABRIC AROUND ITS PERIMETER.
- ALL AREAS WITHIN THE ROAD R.O.W. WILL BE DISTURBED.
- THE PLACEMENT OF HYDROMULCH SEEDING AND BLOCK SOD FOR FINAL STABILIZATION CAN BE FOUND ON THE ROADWAY TYPICAL SECTION SHEETS.
- THE FOLLOWING RECORDS WILL BE MAINTAINED BY THE CONTRACTOR AND WILL BE MADE READILY AVAILABLE UPON REQUEST:
 - DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - ALL DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTION OF THE SITE, AND
 - THE DATES WHEN STABILIZATION (BOTH TEMPORARY AND/OR PERMANENT) MEASURES ARE INITIATED.
- CHECKLIST TO BE ON ALL SWPPP SHEETS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

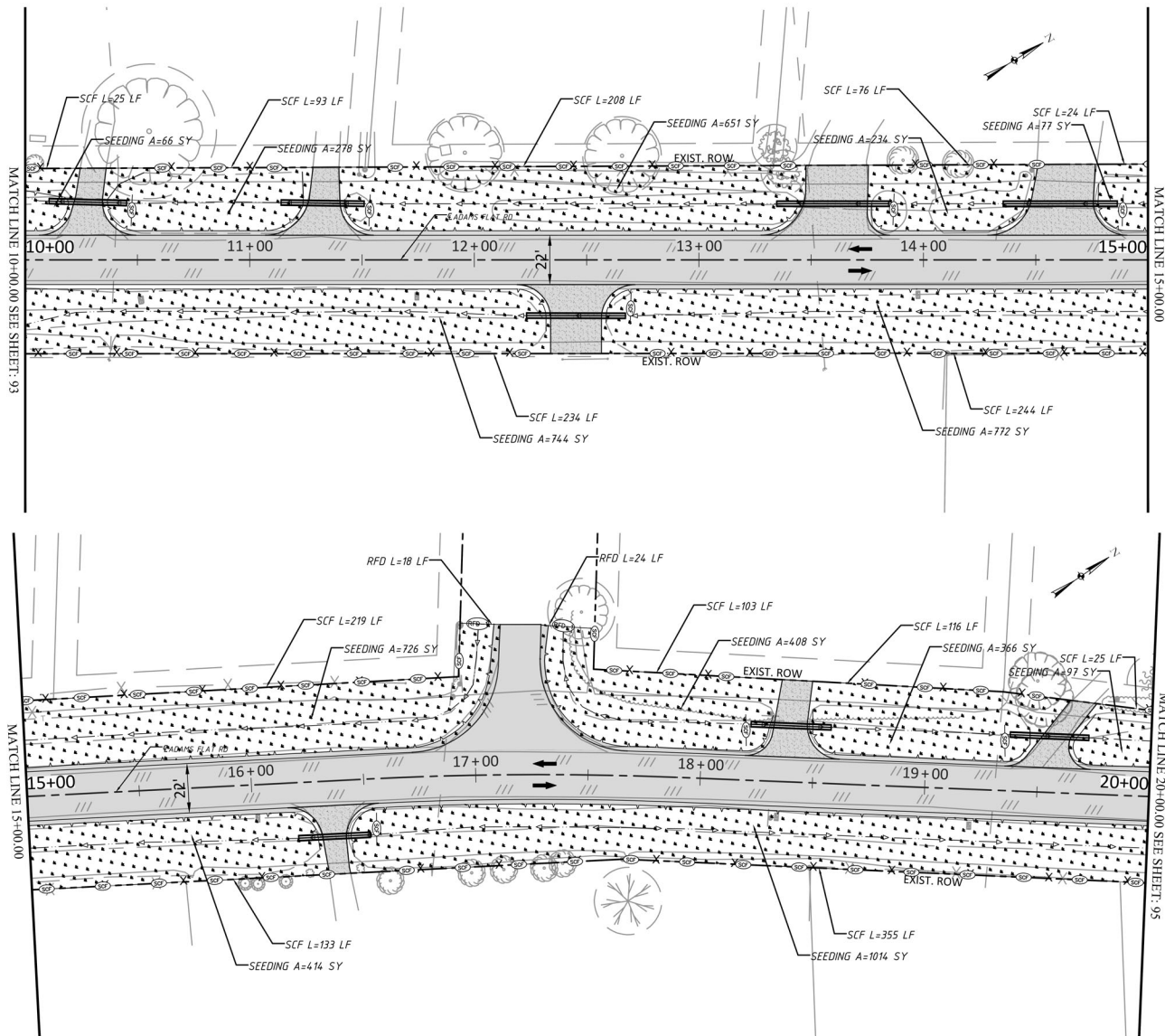


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 0+00 TO STA. 10+00

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 93 |



| PLAN LEGEND | |
|-------------|------------------------|
| | EXISTING RIGHT-OF-WAY |
| | BASILINE |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | SEDIMENT CONTROL FENCE |
| | ROCK FILTER DAM |
| | PROP. SODDING |

SW3P NOTES:

- FOR SW3P DETAILS, REFER TO SHEET # 123.
- FOR SW3P FORM, REFER TO SHEET # 92.
- OTHER EROSION AND SEDIMENTATION CONTROLS INCLUDE:
 - DAILY STREET SWEEPING.
 - INSPECTION AND MAINTENANCE PER APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE EROSION AND SEDIMENTATION CONTROLS WITH APPROVAL FROM ENGINEER.
- STOCKPILED EXCAVATION SHALL BE PROTECTED WITH FILTER FABRIC AROUND ITS PERIMETER.
- ALL AREAS WITHIN THE ROAD R.O.W. WILL BE DISTURBED.
- THE PLACEMENT OF HYDROMULCH SEEDING AND BLOCK SOD FOR FINAL STABILIZATION CAN BE FOUND ON THE ROADWAY TYPICAL SECTION SHEETS.
- THE FOLLOWING RECORDS WILL BE MAINTAINED BY THE CONTRACTOR AND WILL BE MADE READILY AVAILABLE UPON REQUEST:
 - DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - ALL DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTION OF THE SITE, AND
 - THE DATES WHEN STABILIZATION (BOTH TEMPORARY AND/OR PERMANENT) MEASURES ARE INITIATED.
- CHECKLIST TO BE ON ALL SWPPP SHEETS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

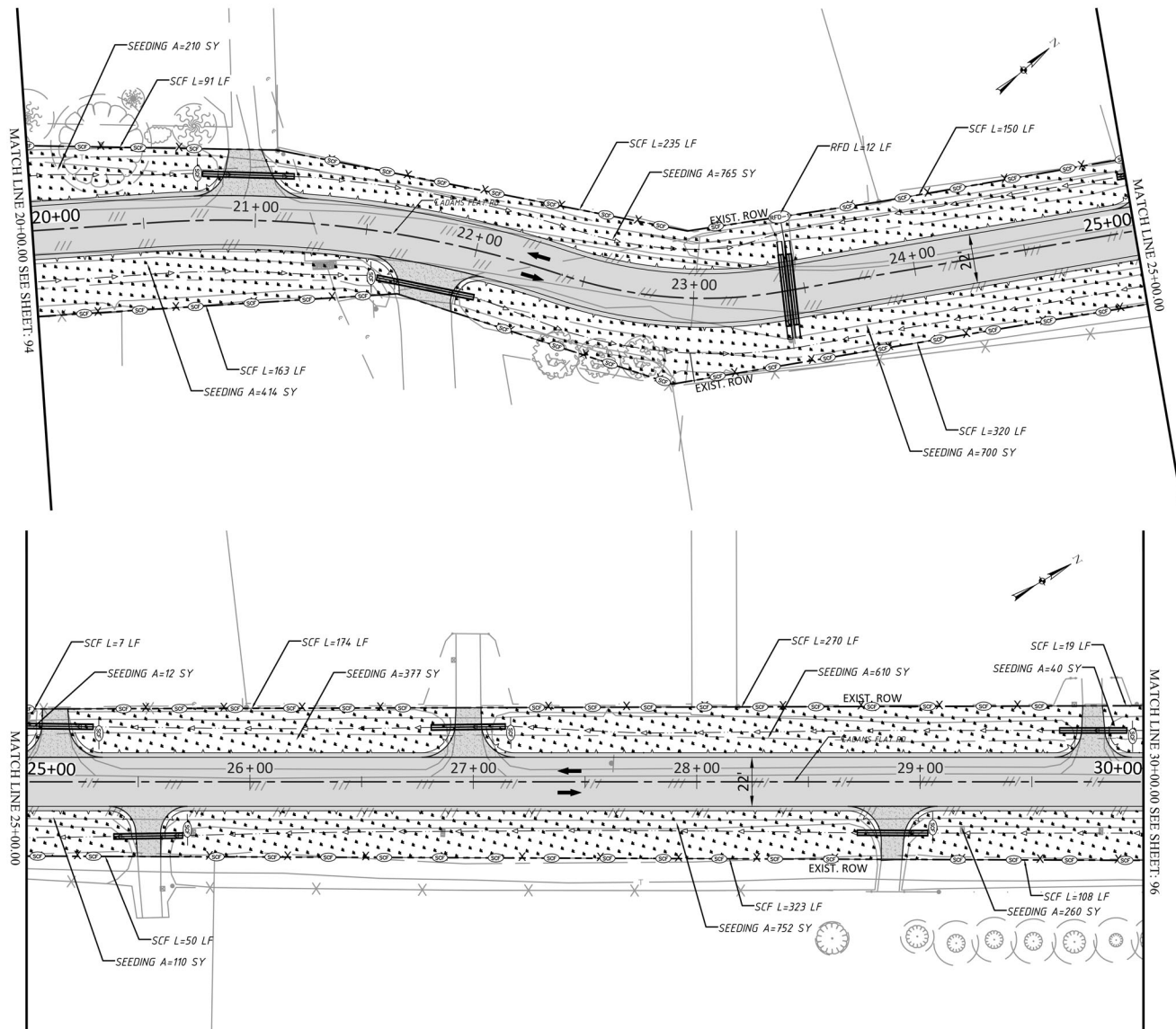
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 10+00 TO STA. 20+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 94 |



| PLAN LEGEND | |
|-------------|------------------------|
| | EXISTING RIGHT-OF-WAY |
| | BASELINE |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | SEDIMENT CONTROL FENCE |
| | ROCK FILTER DAM |
| | PROP. SODDING |

SW3P NOTES:

- FOR SW3P DETAILS, REFER TO SHEET # 123.
- FOR SW3P FORM, REFER TO SHEET # 92.
- OTHER EROSION AND SEDIMENTATION CONTROLS INCLUDE:
 - DAILY STREET SWEEPING.
 - INSPECTION AND MAINTENANCE PER APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE EROSION AND SEDIMENTATION CONTROLS WITH APPROVAL FROM ENGINEER.
- STOCKPILED EXCAVATION SHALL BE PROTECTED WITH FILTER FABRIC AROUND ITS PERIMETER.
- ALL AREAS WITHIN THE ROAD R.O.W. WILL BE DISTURBED.
- THE PLACEMENT OF HYDROMULCH SEEDING AND BLOCK SOD FOR FINAL STABILIZATION CAN BE FOUND ON THE ROADWAY TYPICAL SECTION SHEETS.
- THE FOLLOWING RECORDS WILL BE MAINTAINED BY THE CONTRACTOR AND WILL BE MADE READILY AVAILABLE UPON REQUEST:
 - DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - ALL DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTION OF THE SITE, AND
 - THE DATES WHEN STABILIZATION (BOTH TEMPORARY AND/OR PERMANENT) MEASURES ARE INITIATED.
- CHECKLIST TO BE ON ALL SWPPP SHEETS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

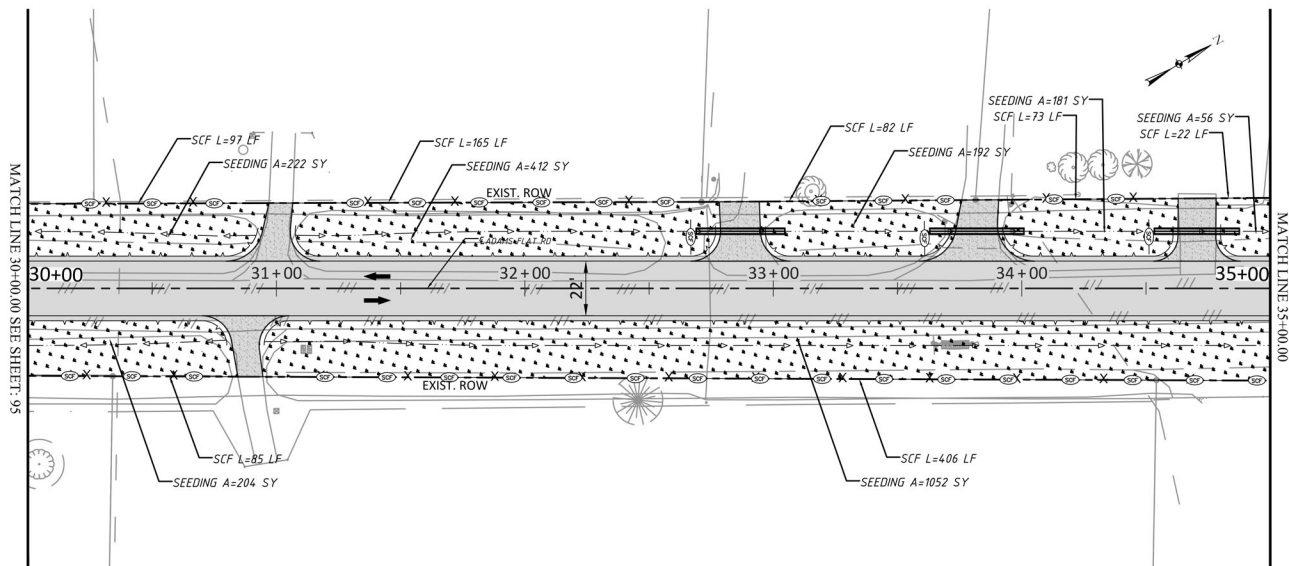
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 20+00 TO STA. 30+00

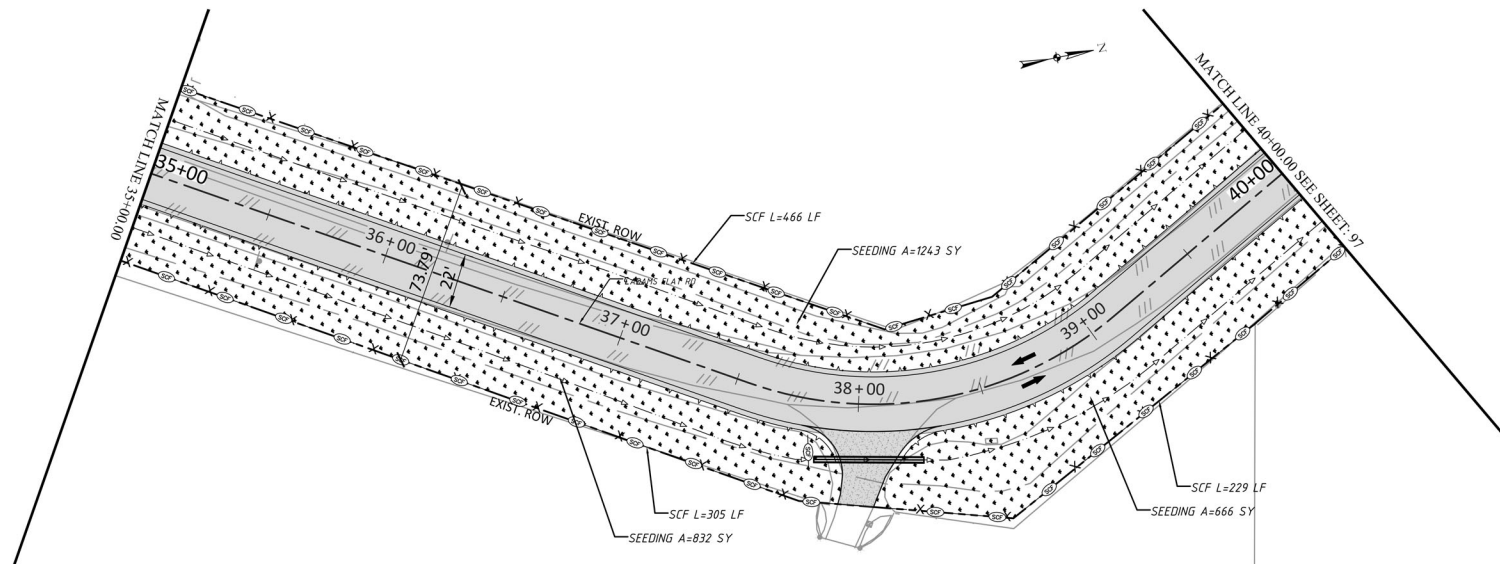
| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 95 |



| PLAN LEGEND | |
|-------------|------------------------|
| | EXISTING RIGHT-OF-WAY |
| | BASILINE |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | SEDIMENT CONTROL FENCE |
| | ROCK FILTER DAM |
| | PROP. SODDING |

SW3P NOTES:

- FOR SW3P DETAILS, REFER TO SHEET # 123.
- FOR SW3P FORM, REFER TO SHEET # 92.
- OTHER EROSION AND SEDIMENTATION CONTROLS INCLUDE:
 - DAILY STREET SWEEPING.
 - INSPECTION AND MAINTENANCE PER APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE EROSION AND SEDIMENTATION CONTROLS WITH APPROVAL FROM ENGINEER.
- STOCKPILED EXCAVATION SHALL BE PROTECTED WITH FILTER FABRIC AROUND ITS PERIMETER.
- ALL AREAS WITHIN THE ROAD R.O.W. WILL BE DISTURBED.
- THE PLACEMENT OF HYDROMULCH SEEDING AND BLOCK SOD FOR FINAL STABILIZATION CAN BE FOUND ON THE ROADWAY TYPICAL SECTION SHEETS.
- THE FOLLOWING RECORDS WILL BE MAINTAINED BY THE CONTRACTOR AND WILL BE MADE READILY AVAILABLE UPON REQUEST:
 - DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - ALL DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTION OF THE SITE, AND
 - THE DATES WHEN STABILIZATION (BOTH TEMPORARY AND/OR PERMANENT) MEASURES ARE INITIATED.
- CHECKLIST TO BE ON ALL SWPPP SHEETS.



100% SUBMITTAL



5/30/2026

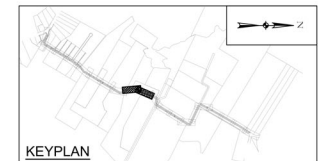
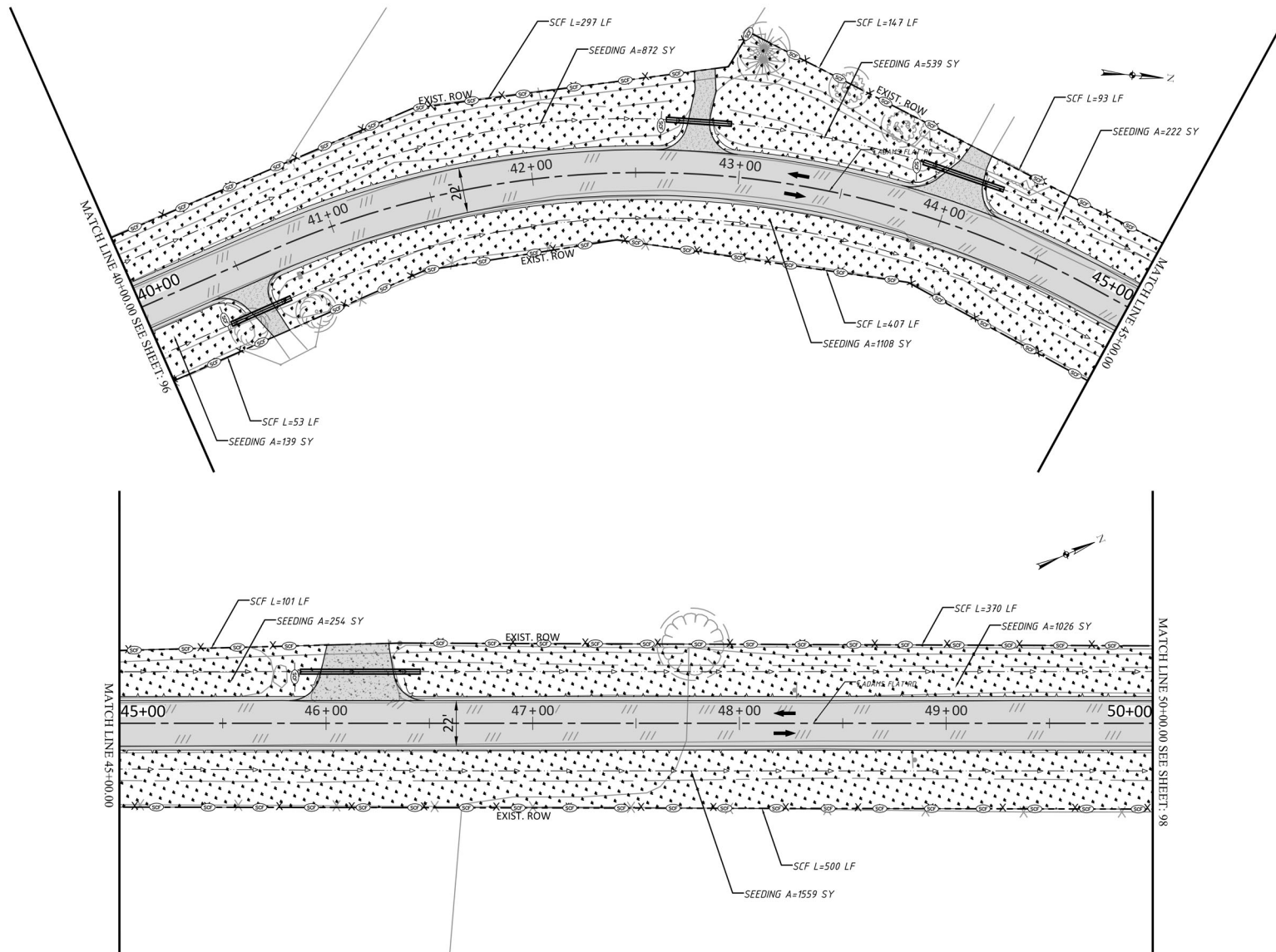
| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENTTRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICESADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 30+00 TO STA. 40+00

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 96 |

100% SUBMITTAL

PLOT DATE: 5/20/2026 5:01 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\13-Final Design\103_Sheets\SW3P.dwg



| PLAN LEGEND | |
|-------------|------------------------|
| | EXISTING RIGHT-OF-WAY |
| | BASILINE |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | SEDIMENT CONTROL FENCE |
| | ROCK FILTER DAM |
| | PROP. SODDING |

- SW3P NOTES:**
- FOR SW3P DETAILS, REFER TO SHEET # 123.
 - FOR SW3P FORM, REFER TO SHEET # 92.
 - OTHER EROSION AND SEDIMENTATION CONTROLS INCLUDE:
 - DAILY STREET SWEEPING.
 - INSPECTION AND MAINTENANCE PER APPROVED EROSION AND SEDIMENT CONTROL PLAN.
 - UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE EROSION AND SEDIMENTATION CONTROLS WITH APPROVAL FROM ENGINEER.
 - STOCKPILED EXCAVATION SHALL BE PROTECTED WITH FILTER FABRIC AROUND ITS PERIMETER.
 - ALL AREAS WITHIN THE ROAD R.O.W. WILL BE DISTURBED.
 - THE PLACEMENT OF HYDROMULCH SEEDING AND BLOCK SOD FOR FINAL STABILIZATION CAN BE FOUND ON THE ROADWAY TYPICAL SECTION SHEETS.
 - THE FOLLOWING RECORDS WILL BE MAINTAINED BY THE CONTRACTOR AND WILL BE MADE READILY AVAILABLE UPON REQUEST:
 - DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - ALL DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTION OF THE SITE, AND
 - THE DATES WHEN STABILIZATION (BOTH TEMPORARY AND/OR PERMANENT) MEASURES ARE INITIATED.
 - CHECKLIST TO BE ON ALL SWPPP SHEETS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



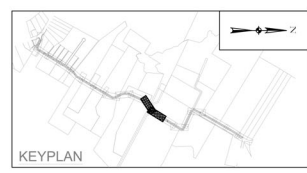
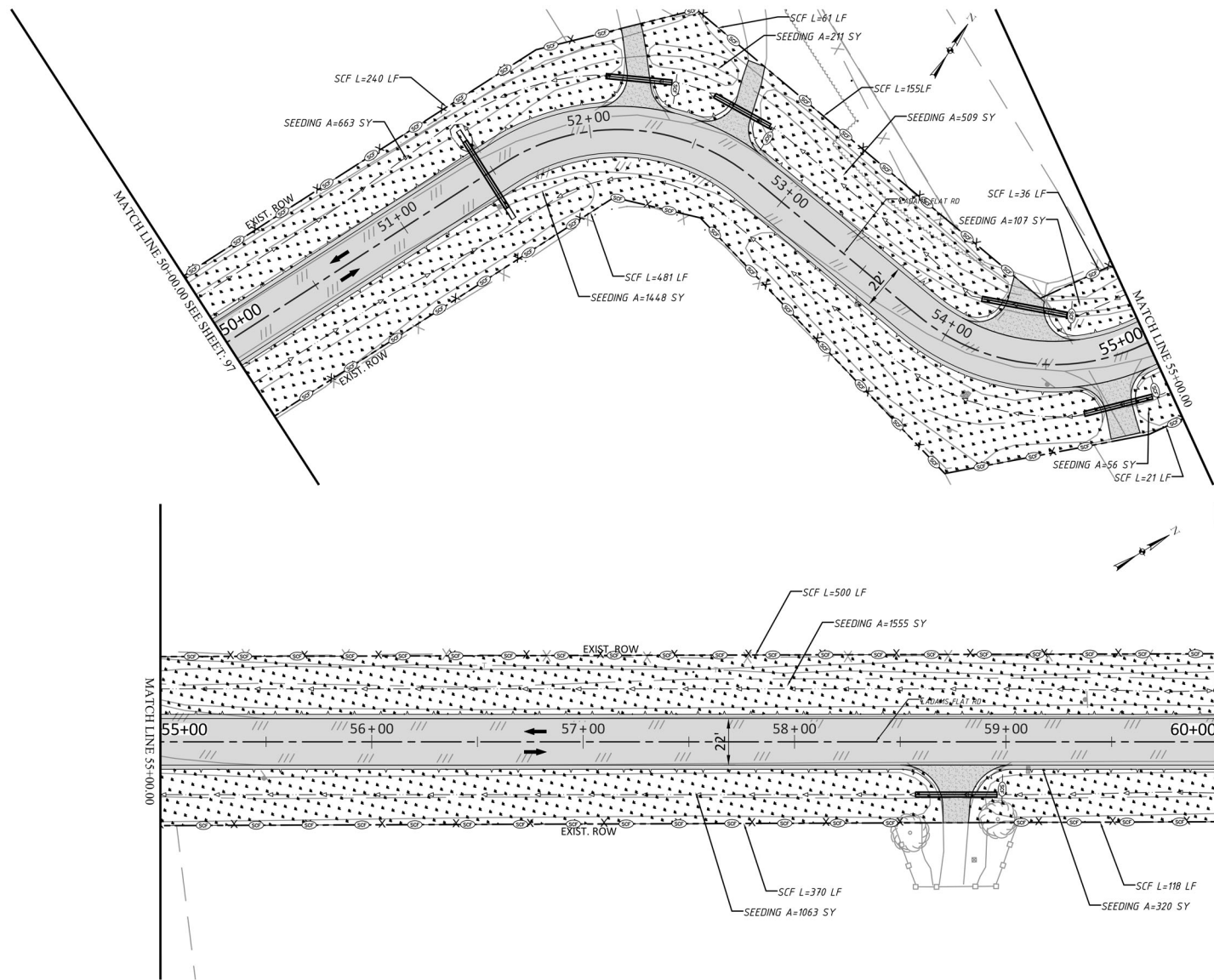
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 40+00 TO STA. 50+00

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 97 |

100% SUBMITTAL

PLOT DATE: 5/20/2026 5:01 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\13-Final Design\103_Sheets\SW3P.dwg



HORIZONTAL SCALE 1"=50'

| PLAN LEGEND | |
|-------------|------------------------|
| --- | EXISTING RIGHT-OF-WAY |
| --- | BASELINE |
| --- | PROPOSED CULVERT |
| --- | PROP FLOW LINE |
| --- | SEDIMENT CONTROL FENCE |
| --- | ROCK FILTER DAM |
| --- | PROP. SODDING |

- SW3P NOTES:
- FOR SW3P DETAILS, REFER TO SHEET # 123.
 - FOR SW3P FORM, REFER TO SHEET # 92.
 - OTHER EROSION AND SEDIMENTATION CONTROLS INCLUDE:
 - A) DAILY STREET SWEEPING.
 - B) INSPECTION AND MAINTENANCE PER APPROVED EROSION AND SEDIMENT CONTROL PLAN.
 - UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE EROSION AND SEDIMENTATION CONTROLS WITH APPROVAL FROM ENGINEER.
 - STOCKPILED EXCAVATION SHALL BE PROTECTED WITH FILTER FABRIC AROUND ITS PERIMETER.
 - ALL AREAS WITHIN THE ROAD R.O.W. WILL BE DISTURBED.
 - THE PLACEMENT OF HYDROMULCH SEEDING AND BLOCK SOD FOR FINAL STABILIZATION CAN BE FOUND ON THE ROADWAY TYPICAL SECTION SHEETS.
 - THE FOLLOWING RECORDS WILL BE MAINTAINED BY THE CONTRACTOR AND WILL BE MADE READILY AVAILABLE UPON REQUEST:
 - A. DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - B. ALL DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTION OF THE SITE, AND
 - C. THE DATES WHEN STABILIZATION (BOTH TEMPORARY AND/OR PERMANENT) MEASURES ARE INITIATED.
 - CHECKLIST TO BE ON ALL SWPPP SHEETS.

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 5+00 TO STA. 60+00

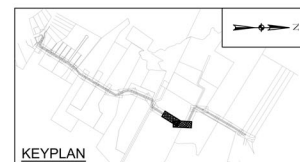
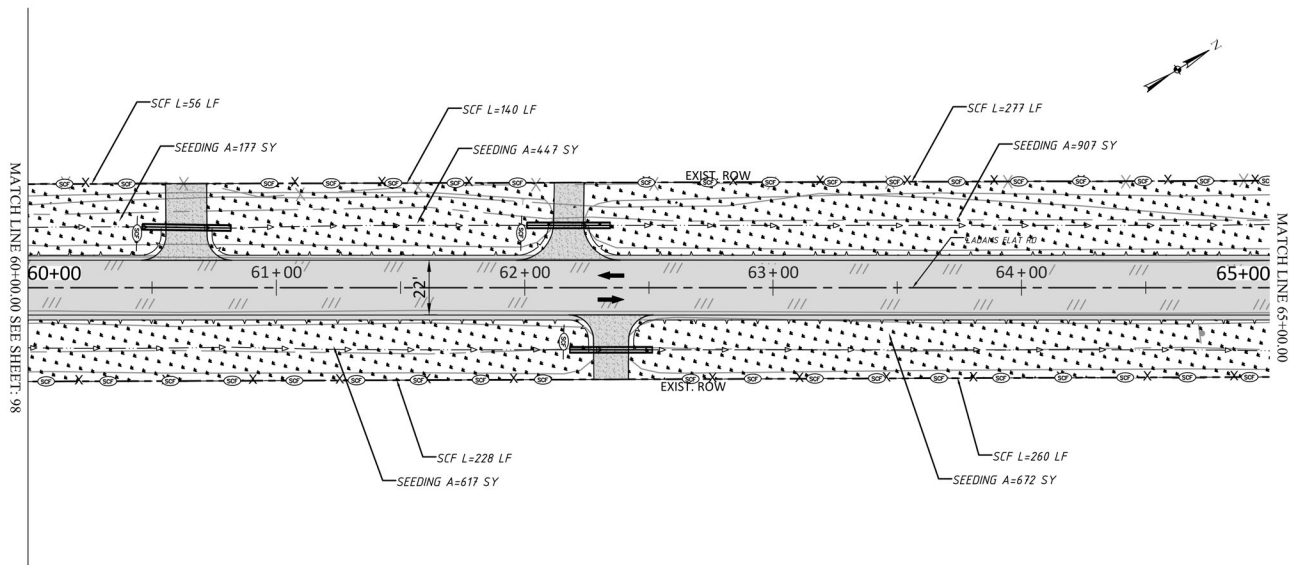
| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 98 |

100% SUBMITTAL

5/30/2026

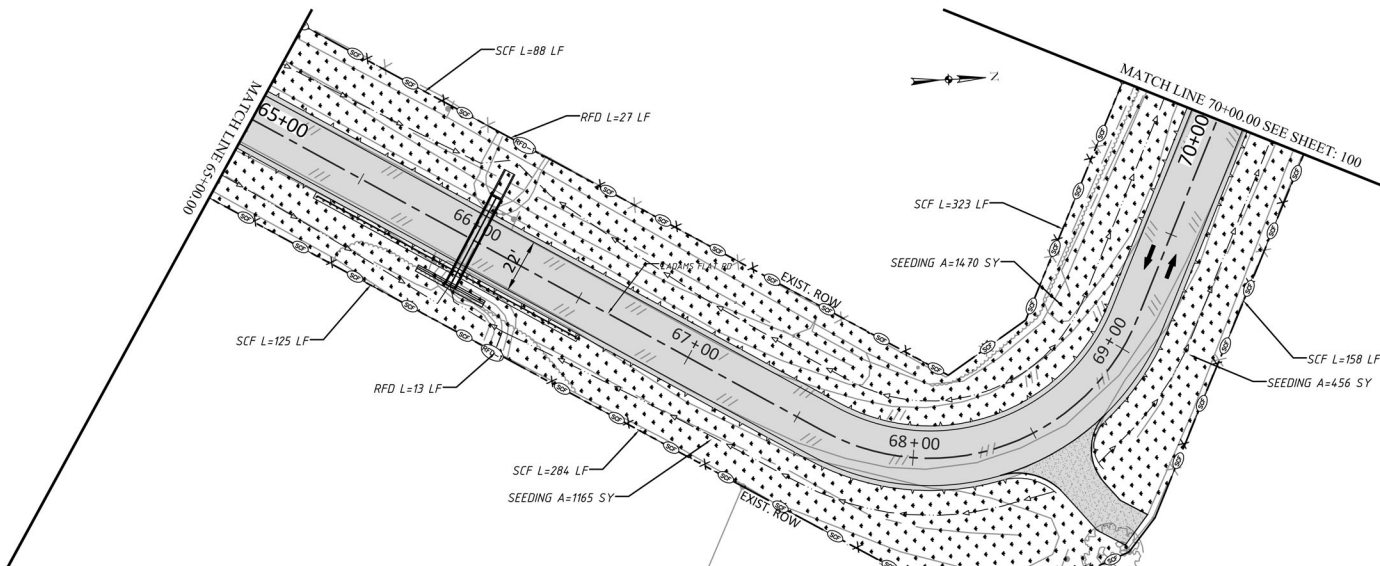
100% SUBMITTAL

PLOT DATE: 6/4/2024 10:35 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\3-Final Design\3-Final Design\103_Sheets\SW3P.dwg



| PLAN LEGEND | |
|-------------|------------------------|
| | EXISTING RIGHT-OF-WAY |
| | BASELINE |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | SEDIMENT CONTROL FENCE |
| | ROCK FILTER DAM |
| | PROP. SODDING |

- SW3P NOTES:**
- FOR SW3P DETAILS, REFER TO SHEET # 123.
 - FOR SW3P FORM, REFER TO SHEET # 92.
 - OTHER EROSION AND SEDIMENTATION CONTROLS INCLUDE:
 - A) DAILY STREET SWEEPING.
 - B) INSPECTION AND MAINTENANCE PER APPROVED EROSION AND SEDIMENT CONTROL PLAN.
 - UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE EROSION AND SEDIMENTATION CONTROLS WITH APPROVAL FROM ENGINEER.
 - STOCKPILED EXCAVATION SHALL BE PROTECTED WITH FILTER FABRIC AROUND ITS PERIMETER.
 - ALL AREAS WITHIN THE ROAD R.O.W. WILL BE DISTURBED.
 - THE PLACEMENT OF HYDROMULCH SEEDING AND BLOCK SOD FOR FINAL STABILIZATION CAN BE FOUND ON THE ROADWAY TYPICAL SECTION SHEETS.
 - THE FOLLOWING RECORDS WILL BE MAINTAINED BY THE CONTRACTOR AND WILL BE MADE READILY AVAILABLE UPON REQUEST:
 - A. DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - B. ALL DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTION OF THE SITE, AND
 - C. THE DATES WHEN STABILIZATION (BOTH TEMPORARY AND/OR PERMANENT) MEASURES ARE INITIATED.
 - CHECKLIST TO BE ON ALL SWPPP SHEETS.



100% SUBMITTAL



6/4/2024

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

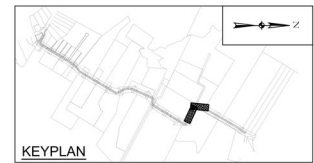
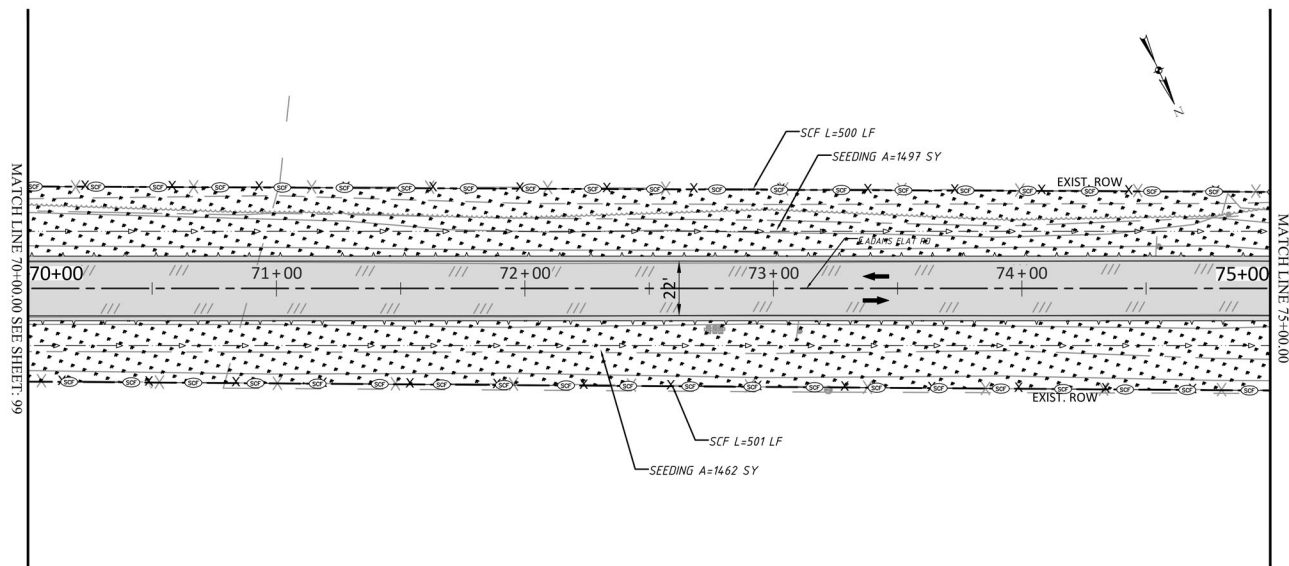
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 60+00 TO STA. 70+00

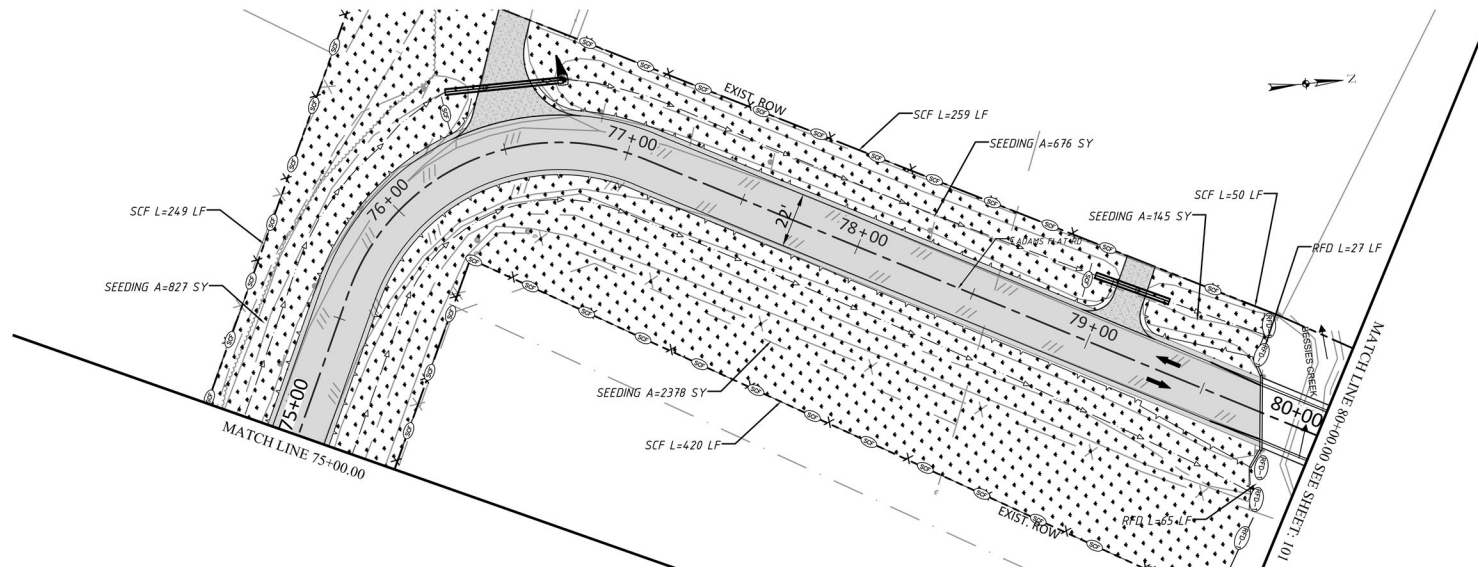
| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 99 |



| PLAN LEGEND | |
|-------------|------------------------|
| | EXISTING RIGHT-OF-WAY |
| | BASELINE |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | SEDIMENT CONTROL FENCE |
| | ROCK FILTER DAM |
| | PROP. SODDING |

SW3P NOTES:

- FOR SW3P DETAILS, REFER TO SHEET # 123.
- FOR SW3P FORM, REFER TO SHEET # 92.
- OTHER EROSION AND SEDIMENTATION CONTROLS INCLUDE:
 - DAILY STREET SWEEPING.
 - INSPECTION AND MAINTENANCE PER APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE EROSION AND SEDIMENTATION CONTROLS WITH APPROVAL FROM ENGINEER.
- STOCKPILED EXCAVATION SHALL BE PROTECTED WITH FILTER FABRIC AROUND ITS PERIMETER. ALL AREAS WITHIN THE ROAD R.O.W. WILL BE DISTURBED.
- THE PLACEMENT OF HYDROMULCH SEEDING AND BLOCK SOD FOR FINAL STABILIZATION CAN BE FOUND ON THE ROADWAY TYPICAL SECTION SHEETS.
- THE FOLLOWING RECORDS WILL BE MAINTAINED BY THE CONTRACTOR AND WILL BE MADE READILY AVAILABLE UPON REQUEST:
 - DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - ALL DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTION OF THE SITE, AND
 - THE DATES WHEN STABILIZATION (BOTH TEMPORARY AND/OR PERMANENT) MEASURES ARE INITIATED.
- CHECKLIST TO BE ON ALL SWPPP SHEETS.



100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

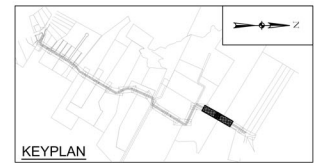
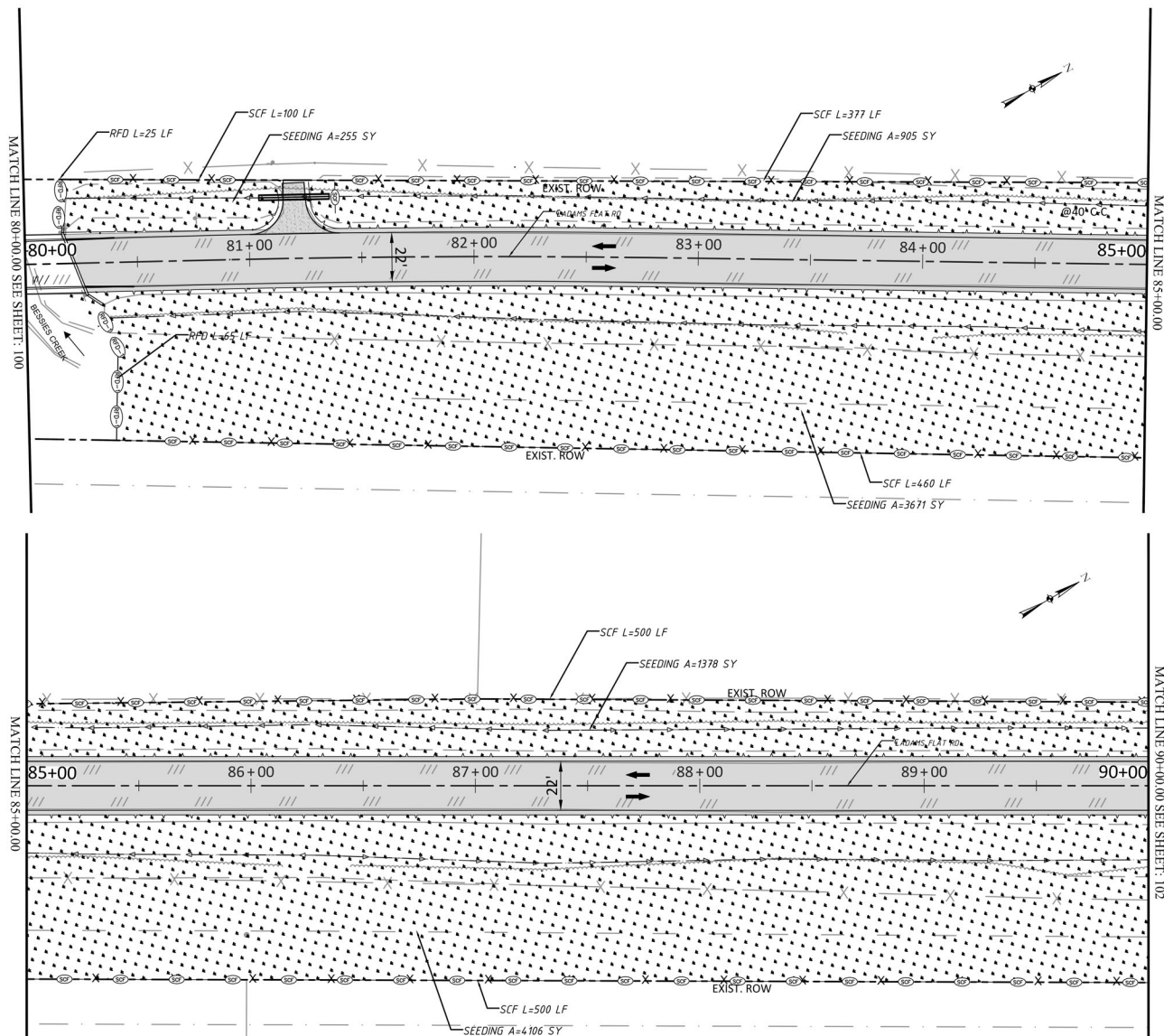
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 70+00 TO STA. 80+00

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 100 |



| PLAN LEGEND | |
|-------------|------------------------|
| | EXISTING RIGHT-OF-WAY |
| | BASELINE |
| | PROPOSED CULVERT |
| | PROP FLOW LINE |
| | SEDIMENT CONTROL FENCE |
| | ROCK FILTER DAM |
| | PROP. SODDING |

SW3P NOTES:

- FOR SW3P DETAILS, REFER TO SHEET # 123.
- FOR SW3P FORM, REFER TO SHEET # 92.
- OTHER EROSION AND SEDIMENTATION CONTROLS INCLUDE:
 - DAILY STREET SWEEPING.
 - INSPECTION AND MAINTENANCE PER APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE EROSION AND SEDIMENTATION CONTROLS WITH APPROVAL FROM ENGINEER.
- STOCKPILED EXCAVATION SHALL BE PROTECTED WITH FILTER FABRIC AROUND ITS PERIMETER.
- ALL AREAS WITHIN THE ROAD R.O.W. WILL BE DISTURBED.
- THE PLACEMENT OF HYDROMULCH SEEDING AND BLOCK SOD FOR FINAL STABILIZATION CAN BE FOUND ON THE ROADWAY TYPICAL SECTION SHEETS.
- THE FOLLOWING RECORDS WILL BE MAINTAINED BY THE CONTRACTOR AND WILL BE MADE READILY AVAILABLE UPON REQUEST:
 - DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - ALL DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTION OF THE SITE, AND
 - THE DATES WHEN STABILIZATION (BOTH TEMPORARY AND/OR PERMANENT) MEASURES ARE INITIATED.
- CHECKLIST TO BE ON ALL SWPPP SHEETS.

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



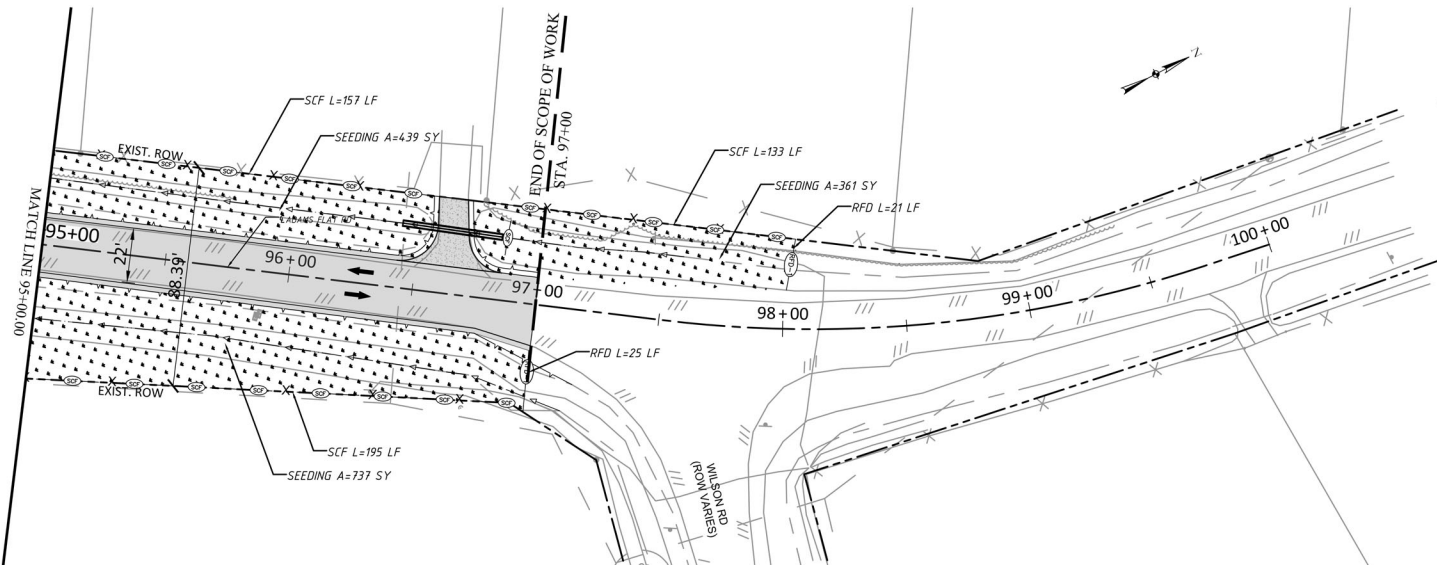
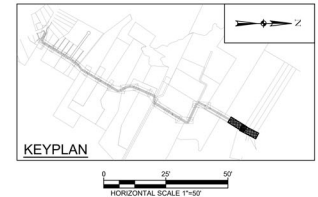
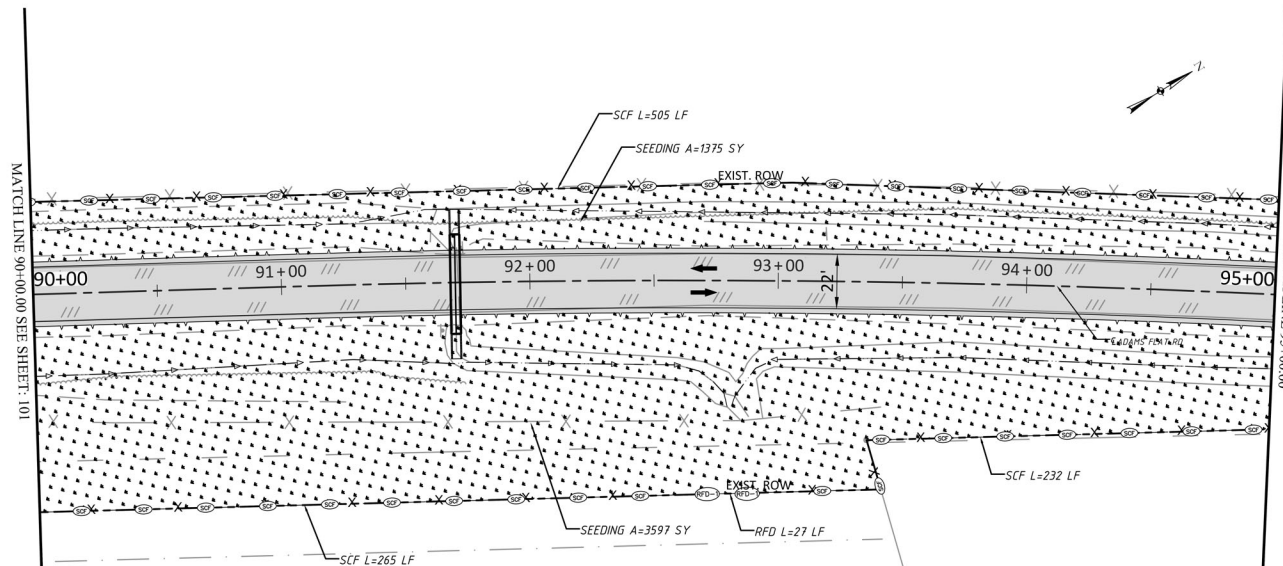
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 80+00 TO STA. 90+00

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 101 |

100% SUBMITTAL

PLOT DATE: 5/20/2026 5:01 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\100_Sheets\SWP.dwg



100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

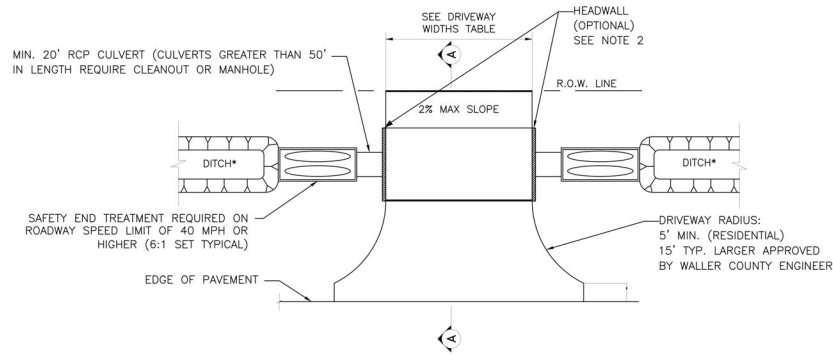
WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
STORM WATER POLLUTION PREVENTION PLAN
STA. 90+00 TO STA. 97+00

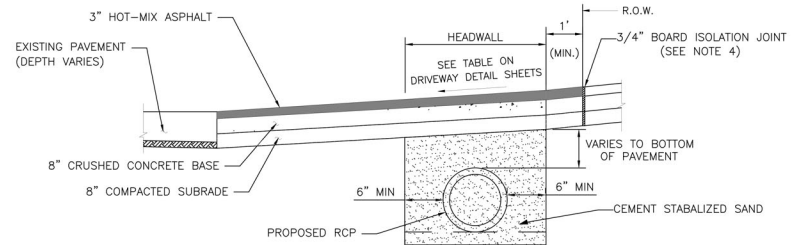
| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 102 |



OPEN DITCH DRIVEWAY
*DITCH IS TO HAVE 4:1 SLOPE

MINIMUM RADII REQUIREMENTS - DRIVEWAYS

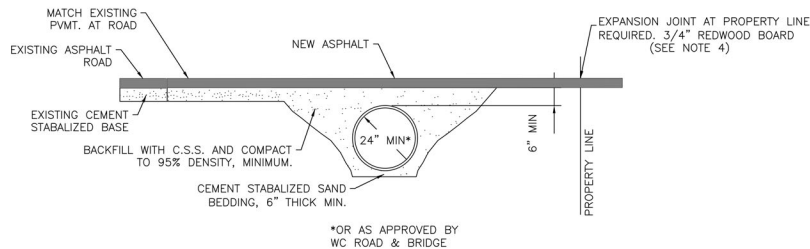
| | LOCAL | COLLECTOR | MAJOR |
|-------------|-------|-----------|-------|
| RESIDENTIAL | 5' | 5' | - |
| COMMERCIAL | 10' | 10' | 25' |



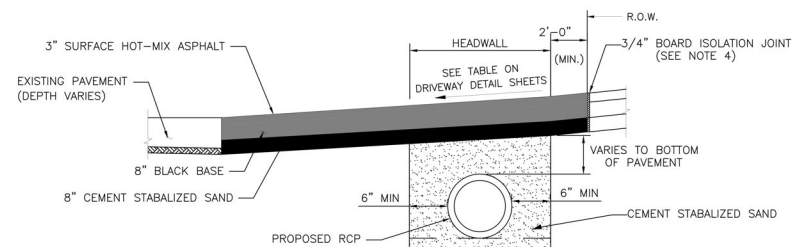
SECTION A-A FOR RESIDENTIAL DRIVEWAYS

NOTES:

1. MAINTAIN A MIN. OF 6" BETWEEN DRIVEWAY AND CULVERT
2. HEADWALLS ARE ONLY ALLOWED ON ROADWAYS WITH POSTED SPEED LIMITS OF 35 MPH OR LESS
3. ALL DRIVEWAY CONNECTIONS SHALL HAVE THE SAME SURFACE AS THE EXISTING OR PROPOSED STREET.
4. 3/4" BOARD ISOLATION JOINT SHALL BE MEASURED AND PAID AS PREFORMED EXPANSION JOINT FILLER, 3/4-INCH, BY THE LINEAR FOOT. MATERIAL SHALL CONFORM TO ASTM D994 OR ASTM D1751, OR AS APPROVED BY THE ENGINEER.



ASPHALT APRON DETAIL - DRIVEWAY PROFILE FOR CULVERT DRAINAGE



SECTION A-A FOR COMMERCIAL DRIVEWAYS

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

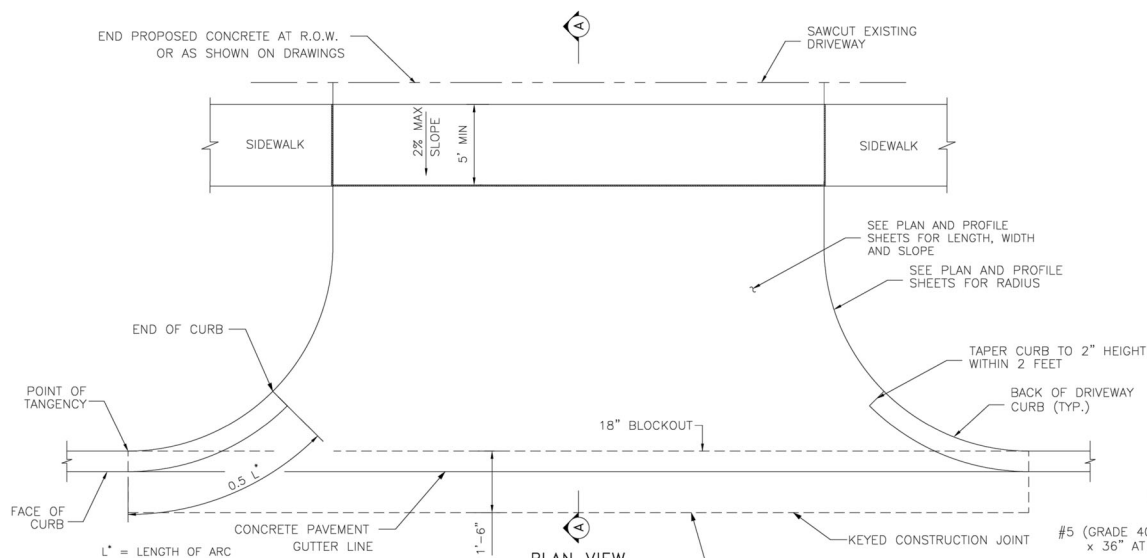
WALLER COUNTY
ENGINEERING DEPARTMENT



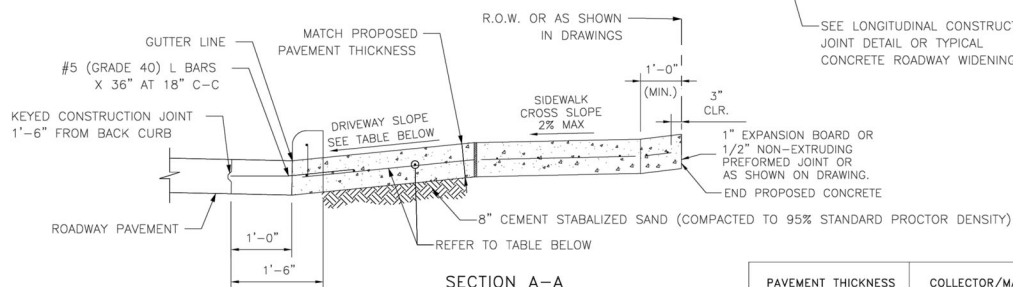
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
ASPHALT DRIVEWAY DETAIL

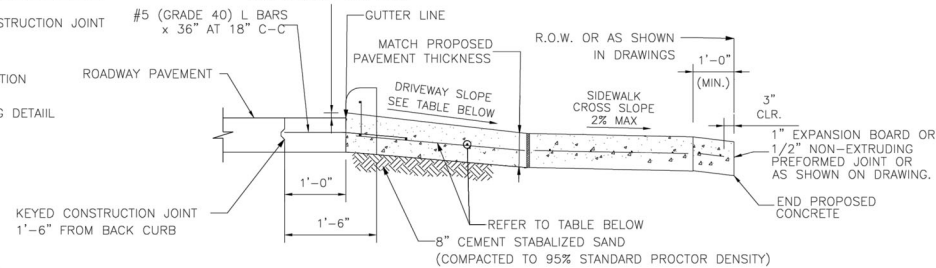
| DN: | CONT | SECT | JOB | ROAD |
|--------|------|------|--------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 103 |



PLAN VIEW

SECTION A-A
(DRIVEWAY SLOPES TO ROADWAY)

PROVIDE 1 1/2" RAISED
EDGE (LIP) ONLY FOR DRIVEWAY
SLOPE AWAY FROM ROAD

SECTION A-A
(DRIVEWAY SLOPES AWAY FROM ROADWAY)

NOTES:

1. SAWCUT EXISTING DRIVEWAY AT R.O.W. LINE OR AS SHOWN ON DRAWING AND REMOVE EXISTING DRIVEWAY TO SAWCUT LINE.
2. IF THERE IS EXISTING CURB ON DRIVEWAY, CONNECT PROPOSED CURB TO EXISTING CURB; OTHERWISE TAPER CURB HEIGHT AS SHOWN.
3. SEE PAVEMENT DETAIL SHEET FOR CONCRETE CURB REINFORCEMENT.
4. THIS DRIVEWAY INSTALLATION IS COVERED BY HARRIS COUNTY ITEM 360 AND 400.
5. DRIVEWAY WIDTHS ARE MEASURED AT THE ROW LINE.
6. CULVERTS GREATER THAN 50' IN LENGTH REQUIRE CLEANOUT OR MANHOLE.
7. ALL DRIVEWAYS CONNECTIONS SHALL HAVE THE SAME SURFACE AS THE EXISTING OR PROPOSED STREET

MINIMUM RADII REQUIREMENTS - DRIVEWAYS

| | LOCAL | COLLECTOR | MAJOR |
|-------------|-------|-----------|-------|
| RESIDENTIAL | 5' | 5' | - |
| COMMERCIAL | 10' | 10' | 25' |

DRIVEWAY WIDTHS

| | MINIMUM | MAXIMUM |
|-------------|---------|---------|
| RESIDENTIAL | 10' | 25' |
| COMMERCIAL | 20' | 40' |

| | PAVEMENT THICKNESS | COLLECTOR/MAJOR | RESIDENTIAL
(MAJOR THOROUGHFARE) | RESIDENTIAL
(COLLECTORS AND LOCAL STREETS) |
|-----------------------------|--------------------|------------------------------|--|--|
| REINFORCEMENT | 6" | #4 @ 24" O.C.E.W. | N/A | #4 @ 24" O.C.E.W. |
| | 7" | #4 @ 24" O.C.E.W. | #4 @ 24" O.C.E.W. | #4 @ 24" O.C.E.W. |
| | 8" | #4 @ 18" O.C.E.W. | #4 @ 18" O.C.E.W. | #4 @ 18" O.C.E.W. |
| | 9"-10" | #5 @ 18" O.C.E.W. | #5 @ 18" O.C.E.W. | #5 @ 18" O.C.E.W. |
| EXPANSION DOWEL
JOINT | 6" | 3/4" DIA. SMOOTH BAR | 3/4" DIA. SMOOTH BAR | 3/4" DIA. SMOOTH BAR |
| | 7" | 1" DIA. SMOOTH BAR | 1" DIA. SMOOTH BAR | 1" DIA. SMOOTH BAR |
| | 8" | 1" DIA. SMOOTH BAR | 1" DIA. SMOOTH BAR | 1" DIA. SMOOTH BAR |
| | 9"-10" | 1 1/4" DIA. SMOOTH BAR | 1 1/4" DIA. SMOOTH BAR | 1 1/4" DIA. SMOOTH BAR |
| CONSTRUCTION
JOINT DOWEL | ALL | #5 REBAR | #5 REBAR | #5 REBAR |
| SUBGRADE | ALL | 8" CEMENT-STABILIZED
SAND | 2" BANK SAND (DEVELOPER/PRIVATE)
8" CEMENT STABILIZED SAND (MOBILITY) | 2" BANK SAND (DEVELOPER/PRIVATE)
8" CEMENT STABILIZED SAND (MOBILITY) |
| DRIVEWAY SLOPE | ALL | 2% TO 4% | 2% TO 6% | 2% TO 10%* |

*10% ALLOWABLE ON PRIVATELY
CONSTRUCTED PROJECTS
6% MAX ON PUBLIC PROJECTS

100% SUBMITTAL



5/30/2026

WALLER COUNTY
ENGINEERING DEPARTMENT

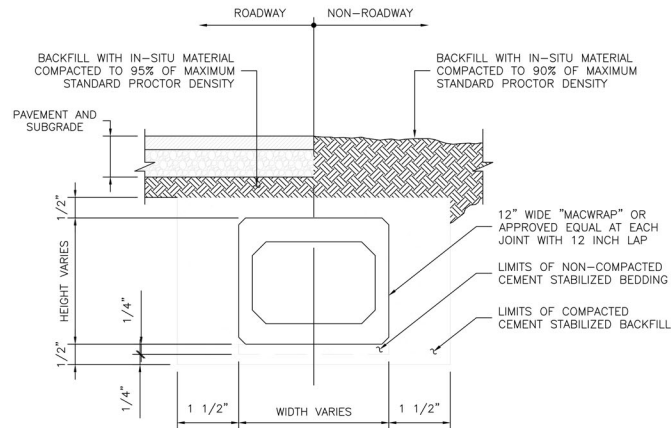


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

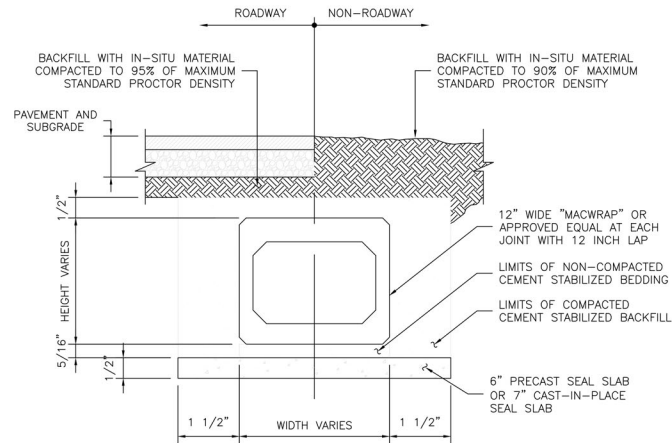


ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CONCRETE DRIVEWAY DETAIL

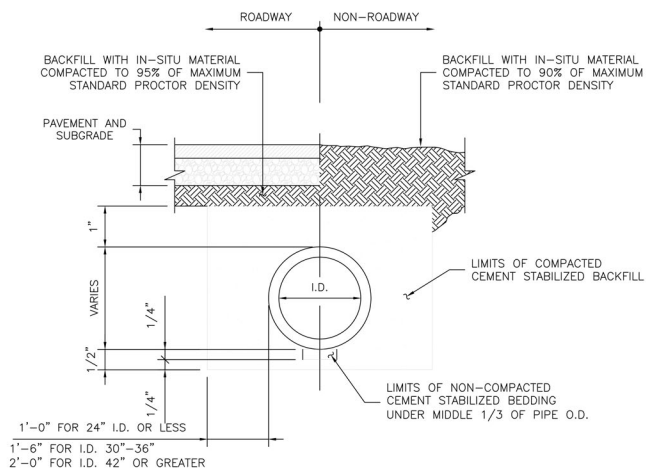
| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 104 |



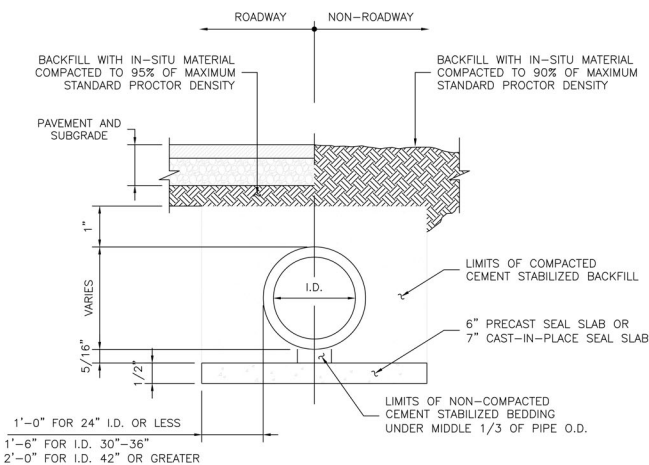
**REINFORCED CONCRETE
BOX CULVERT**



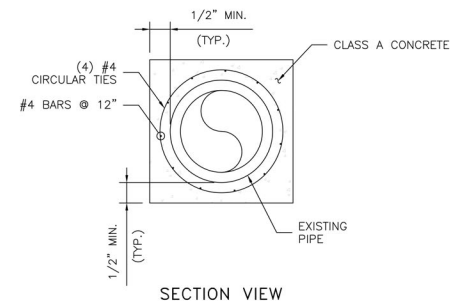
**REINFORCED CONCRETE BOX
CULVERT WITH SEAL SLAB**



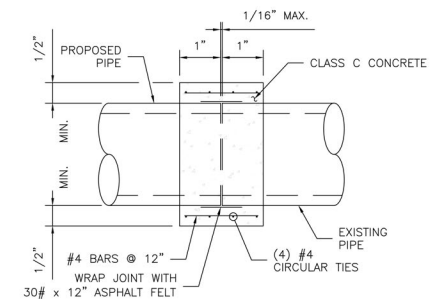
PIPE



PIPE WITH SEAL SLAB



SECTION VIEW



ELEVATION VIEW

**TYPICAL CONCRETE COLLAR
FOR 36" & SMALLER RCP**

GENERAL NOTES:

- FOR RCP LARGER THAN 36" DIAMETER, CONCRETE COLLARS MUST BE DESIGNED BY THE ENGINEER OF RECORD.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



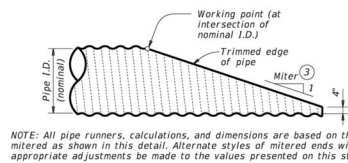
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CROSSING PIPES DETAILS

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 105 |

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act." No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

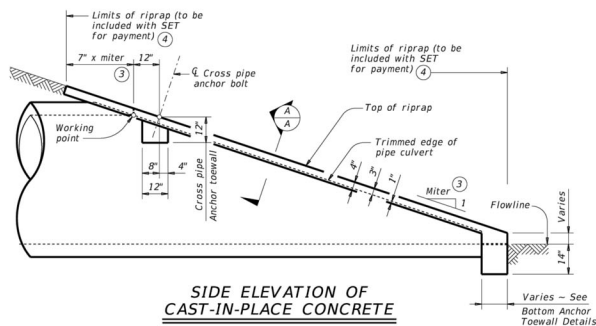
DATE: _____
FILE: _____



NOTE: All pipe runners, calculations, and dimensions are based on the pipe culverts mitered as shown in this detail. Alternate styles of mitered ends will require that appropriate adjustments be made to the values presented on this standard.

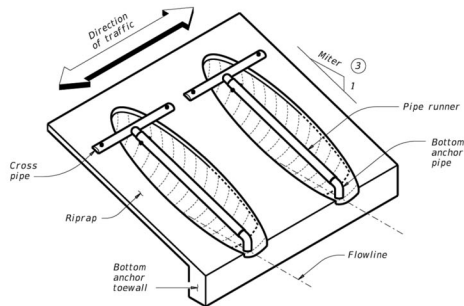
SIDE ELEVATION OF TYPICAL PIPE CULVERT MITER

(Showing corrugated metal pipe (CMP) culvert. Details of reinforced concrete pipe (RCP) culvert are similar.)



SIDE ELEVATION OF CAST-IN-PLACE CONCRETE

(Showing reinforced concrete pipe (RCP) culvert. Details of corrugated metal pipe (CMP) culvert are similar. Pipe runners not shown for clarity.)



ISOMETRIC VIEW OF TYPICAL INSTALLATION

(Showing installation with no skew.)

CROSS PIPE LENGTHS AND PIPE RUNNER LENGTHS ① ②

| Nominal Culvert I.D. | Pipe Culvert Spa - G | Cross Pipe Length | Pipe Runner Length | | | | | | | | | | | |
|----------------------|----------------------|-------------------|--------------------|----------|----------|----------|----------------|----------|----------|----------|----------------|----------|----------|----------|
| | | | 3:1 Side Slope | | | | 4:1 Side Slope | | | | 6:1 Side Slope | | | |
| | | | 0° Skew | 15° Skew | 30° Skew | 45° Skew | 0° Skew | 15° Skew | 30° Skew | 45° Skew | 0° Skew | 15° Skew | 30° Skew | 45° Skew |
| 24" | 1'-7" | 3'-5" | N/A | N/A | N/A | 5'-10" | N/A | N/A | N/A | 8'-1" | N/A | N/A | N/A | 12'-9" |
| 27" | 1'-8" | 3'-8" | N/A | N/A | 5'-5" | 6'-11" | N/A | N/A | 7'-7" | 9'-7" | N/A | N/A | 11'-11" | 14'-11" |
| 30" | 1'-10" | 3'-11" | N/A | N/A | 6'-4" | 8'-0" | N/A | N/A | 8'-9" | 11'-0" | N/A | N/A | 13'-8" | 17'-0" |
| 33" | 1'-11" | 4'-2" | 6'-2" | 6'-5" | 7'-3" | 9'-1" | 8'-6" | 8'-10" | 10'-0" | 12'-5" | 13'-3" | 13'-9" | 15'-5" | 19'-2" |
| 36" | 2'-1" | 4'-5" | 6'-11" | 7'-3" | 8'-2" | 10'-2" | 9'-6" | 9'-11" | 11'-2" | 13'-10" | 14'-9" | 15'-3" | 17'-2" | 21'-3" |
| 42" | 2'-4" | 4'-11" | 8'-6" | 8'-10" | 9'-11" | 12'-4" | 11'-7" | 12'-0" | 13'-6" | 16'-8" | 17'-9" | 18'-5" | 20'-8" | 25'-7" |
| 48" | 2'-7" | 5'-5" | 10'-1" | 10'-5" | 11'-9" | N/A | 13'-7" | 14'-2" | 15'-10" | N/A | 20'-9" | 21'-6" | 24'-2" | N/A |
| 54" | 3'-0" | 5'-11" | 11'-8" | 12'-1" | N/A | N/A | 15'-8" | 16'-3" | N/A | N/A | 23'-10" | 24'-8" | N/A | N/A |
| 60" | 3'-3" | 6'-5" | 13'-3" | N/A | N/A | N/A | 17'-9" | N/A | N/A | N/A | 26'-10" | N/A | N/A | N/A |

TYPICAL PIPE CULVERT MITERS ③

| Side Slope | 0° Skew | 15° Skew | 30° Skew | 45° Skew |
|------------|---------|----------|----------|----------|
| 3:1 | 3:1 | 3.106:1 | 3.464:1 | 4.243:1 |
| 4:1 | 4:1 | 4.141:1 | 4.619:1 | 5.657:1 |
| 6:1 | 6:1 | 6.212:1 | 6.928:1 | 8.485:1 |

CONDITIONS WHERE PIPE RUNNERS ARE NOT REQUIRED ②

| Nominal Culvert I.D. | Single Pipe Culvert | Multiple Pipe Culverts |
|----------------------|---------------------|------------------------|
| 12" thru 24" | Skews thru 45° | Skews thru 45° |
| 24" | Skews thru 45° | Skews thru 30° |
| 27" | Skews thru 30° | Skews thru 15° |
| 30" | Skews thru 15° | Skews thru 15° |
| 33" | Skews thru 15° | Always required |
| 36" | Normal (no skew) | Always required |
| 42" thru 60" | Always required | Always required |

STANDARD PIPE SIZES AND MAX PIPE RUNNER LENGTHS ①

| Pipe Size | Pipe O.D. | Pipe I.D. | Max Pipe Runner Length |
|-----------|-----------|-----------|------------------------|
| 2" STD | 2.375" | 2.067" | N/A |
| 3" STD | 3.500" | 3.068" | 10'-0" |
| 4" STD | 4.500" | 4.026" | 19'-8" |
| 5" STD | 5.563" | 5.047" | 34'-2" |

ESTIMATED CONCRETE RIPRAP QUANTITIES (CY) ⑤

| Nominal Culvert I.D. | 3:1 Side Slope | | | | 4:1 Side Slope | | | | 6:1 Side Slope | | | |
|----------------------|----------------|----------|----------|----------|----------------|----------|----------|----------|----------------|----------|----------|----------|
| | 0° Skew | 15° Skew | 30° Skew | 45° Skew | 0° Skew | 15° Skew | 30° Skew | 45° Skew | 0° Skew | 15° Skew | 30° Skew | 45° Skew |
| 12" | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.7 | 0.8 |
| 15" | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.8 | 0.9 |
| 18" | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.9 | 1.0 |
| 21" | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.8 | 0.9 | 0.9 | 0.9 | 1.0 | 1.2 |
| 24" | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 1.0 | 1.0 | 1.0 | 1.1 | 1.3 |
| 27" | 0.7 | 0.7 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 1.2 | 1.4 |
| 30" | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 1.0 | 1.2 | 1.2 | 1.2 | 1.3 | 1.6 |
| 33" | 0.8 | 0.8 | 0.9 | 1.0 | 1.0 | 1.0 | 1.1 | 1.3 | 1.3 | 1.4 | 1.5 | 1.7 |
| 36" | 0.9 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 1.2 | 1.4 | 1.4 | 1.5 | 1.6 | 1.8 |
| 42" | 1.0 | 1.0 | 1.1 | 1.3 | 1.2 | 1.3 | 1.3 | 1.6 | 1.6 | 1.7 | 1.8 | 2.1 |
| 48" | 1.1 | 1.1 | 1.2 | N/A | 1.4 | 1.4 | 1.5 | N/A | 1.9 | 1.9 | 2.1 | N/A |
| 54" | 1.3 | 1.3 | N/A | N/A | 1.6 | 1.6 | N/A | N/A | 2.1 | 2.1 | N/A | N/A |
| 60" | 1.4 | N/A | N/A | N/A | 1.7 | N/A | N/A | N/A | 2.3 | N/A | N/A | N/A |

① Provide pipe runner of the size shown in the tables. Provide cross pipe of the same size as the pipe runner. Provide cross pipe stub out and bottom anchor pipe of the next smaller size pipe as shown in the Standard Pipe Sizes and Max Pipe Runner Lengths table.

② This standard allows for the placement of only one pipe runner across each culvert pipe opening. In order to limit the clear opening to be traversed by an errant vehicle, the following conditions must be met:

For 60" culvert pipes, the skew must not exceed 0°.
For 54" culvert pipes, the skew must not exceed 15°.
For 48" culvert pipes, the skew must not exceed 30°.
For all culvert pipe sizes 42" and less, the skew must not exceed 45°.

If the above conditions cannot be met, the designer should consider using a safety end treatment with flared wings. For further information, refer to the TxDOT Roadway Design Manual.

③ Miter = slope of mitered end of pipe culvert.

④ Riprap placed beyond the limits shown will be paid for as concrete riprap in accordance with Item 432, "Riprap."

⑤ Quantities shown are for one end of one reinforced concrete pipe (RCP) culvert. For multiple pipe culverts or for corrugated metal pipe (CMP) culverts, quantities will need to be adjusted. Riprap quantities are for Contractor's information only.

SHEET 1 OF 2

| | | | |
|---|--|--|--|
| | | Bridge Division Standard | |
| SAFETY END TREATMENT
FOR 12" DIA TO 60" DIA
PIPE CULVERTS
TYPE II ~ CROSS DRAINAGE
SETP-CD | | | |
| Title: CD-SETP-CD-20.dgn
C:\TxDOT\February 2020
REVISED: | DW: GAF
CK: CAT
DW: JRP
CK: GAF | CONF: _____
SHEET: _____
JAB: _____
DIST: _____
COUNTY: _____
SHEET NO: _____ | PROJECT: _____
COUNTY: _____
SHEET NO: _____ |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

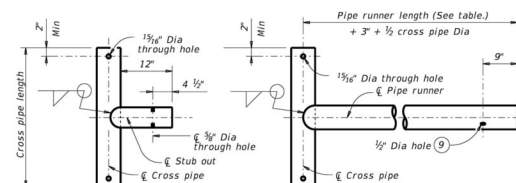


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

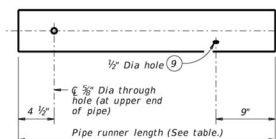
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SET FOR 12" DIA TO 72" DIA
PIPE CULVERTS - CROSS

| | | | | |
|--------|------|------|--------|------------|
| DW: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 106 |

DISCLAIMER:
The use of this standard is governed by the Texas Engineering Practice Act. No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

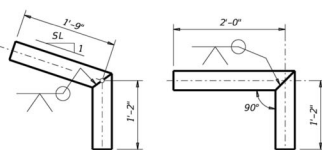


OPTION A1
OPTION A2
CROSS PIPE AND CONNECTIONS DETAILS

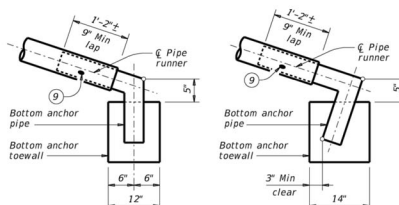


NOTE: The separate pipe runner shown is required when Cross Pipe Connection Option A1 is used.

PIPE RUNNER DETAILS



OPTION B1
OPTION B2
BOTTOM ANCHOR PIPE DETAILS 10



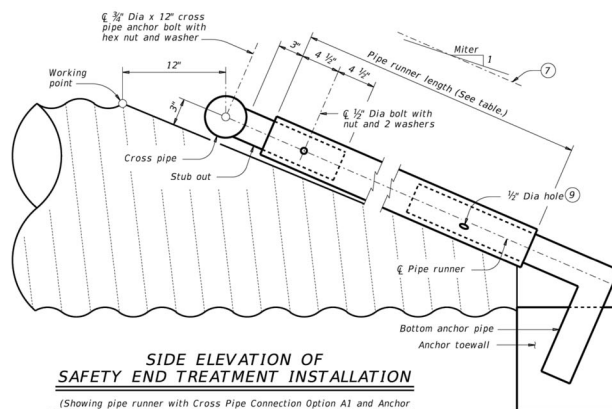
OPTION B1
OPTION B2
BOTTOM ANCHOR TOEWALL DETAILS
(Culvert and riprap not shown for clarity.)

MATERIAL NOTES:

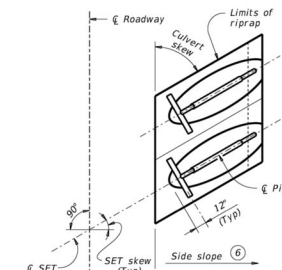
Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.
Provide pipe runners, cross pipes, and anchor pipes conforming to the requirements of ASTM A53 (Type E or S, Gr B), ASTM A500 Gr B, or API 5LX52.
Provide ASTM A307 bolts and nuts.
Galvanize all steel components, except concrete reinforcing, after fabrication.
Repair galvanizing damaged during transport or construction in accordance with the specifications.

GENERAL NOTES:

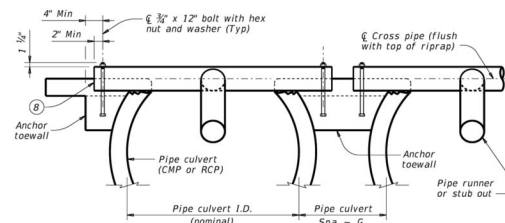
Pipe runners are designed for a traversing load of 1,800 pounds at yield as recommended by Research Report 280-1, "Safety Treatment of Roadside Cross-Drainage Structures", Texas Transportation Institute, March 1981.
Safety end treatments (SET) shown herein are intended for use in those installations where out of control vehicles are likely to traverse the openings approximately perpendicular to the pipe runners.
Payment for riprap and toewall is included in the price bid for each safety end treatment.
Construct concrete riprap and all necessary inverts in accordance with the requirements of Item 432, "Riprap."



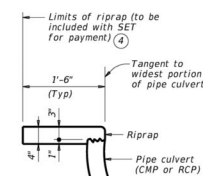
SIDE ELEVATION OF SAFETY END TREATMENT INSTALLATION
(Showing pipe runner with Cross Pipe Connection Option A1 and Anchor Pipe Option B2 on corrugated metal pipe (CMP) culvert. Reinforced concrete pipe culvert (RCP) details are similar. Riprap not shown for clarity.)



PLAN OF SKEWED INSTALLATION



SHOWING CROSS PIPE AND ANCHOR TOEWALL



SHOWING TYPICAL PIPE CULVERT AND RIPRAP

SECTION A-A

- 4 Riprap placed beyond the limits shown will be paid for as concrete riprap in accordance with Item 432, "Riprap."
- 6 Recommended values of side slope are 3:1, 4:1, and 6:1. All quantities, calculations, and dimensions shown herein are based on these recommended values. Slope of 3:1 or flatter is required for vehicle safety.
- 7 Note that actual slope of pipe runner may vary slightly from side slope of riprap and trimmed culvert pipe edge.
- 8 Ensure that riprap concrete does not flow into the cross pipe so as to permit disassembly of the bolted connection to allow cleanout access.
- 9 After installation, inspect the 1/2" hole to ensure that the lap of the pipe runner with the bottom anchor pipe is adequate.
- 10 At fabricator's option, a heat bend to a smooth 5" radius or a manufactured elbow (of the same material as the runner) may be substituted for the mitered and welded joint in the bottom anchor pipe.

SHEET 2 OF 2

| | | | |
|--|--|--|--|
| | | Bridge Division Standard | |
| SAFETY END TREATMENT FOR 12" DIA TO 60" DIA PIPE CULVERTS TYPE II ~ CROSS DRAINAGE SETP-CD | | | |
| <small>FILE: CD-SETP-CD-20.dgn</small>
<small>CD-20</small> February 2020
<small>REVISED</small> | <small>DESIGNED BY: GAF</small>
<small>CHECKED BY: CAT</small>
<small>DATE: JRP</small>
<small>PROJECT: HIGHWAY</small> | <small>DESIGNED BY: GAF</small>
<small>CHECKED BY: CAT</small>
<small>DATE: JRP</small>
<small>PROJECT: HIGHWAY</small> | <small>DESIGNED BY: GAF</small>
<small>CHECKED BY: CAT</small>
<small>DATE: JRP</small>
<small>PROJECT: HIGHWAY</small> |
| <small>DISP</small> | <small>COUNTY</small> | <small>SHEET NO.</small> | |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT

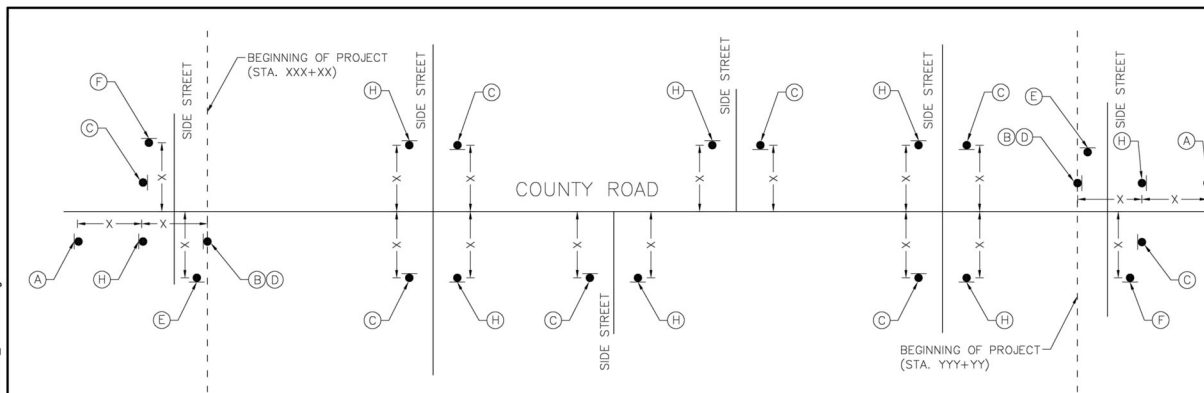


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

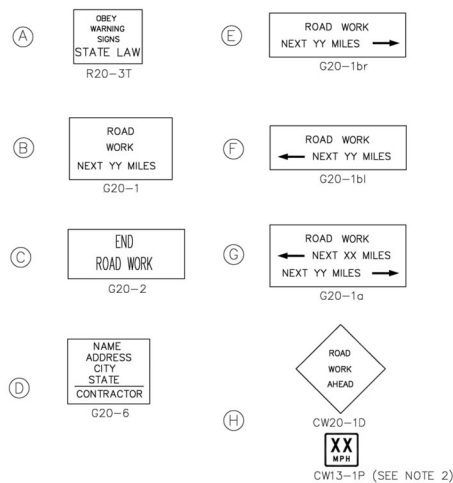
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SET FOR 12" DIA TO 72" DIA
PIPE CULVERTS - CROSS

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 107 |

J:\Engineering\Specs\HC Standard Traffic Drawings-Master Files\2023 Update Standard Traffic Drawings\5-Traffic Control Plan\TCP-PAS-23.10.10.dwg



WORK ZONE SIGNS



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

| ROADWAY | POSTED SPEED | TAPER LENGTH | SPACING CHANNELIZING DEVICES
TAPER TANGENT | SIGN SPACING | BUFFER SPACE |
|---------------|--------------|--------------|---|--------------|--------------|
| ADAMS FLAT RD | 35 MPH | 225' | 30' 30' | 160' | 120' |
| FM 359 | 60 MPH | 660' | 60' 120' | 600' | 350' |
| WILSON RD | 35 MPH | 225' | 30' 30' | 160' | 120' |

LEGEND

| | | | |
|--|--------------------------------------|--|---|
| | Type 3 Barricade | | Channelizing Devices |
| | Heavy Work Vehicle | | Truck Mounted Attenuator (TMA) |
| | Trailer Mounted Flashing Arrow Board | | Portable Changeable Message Sign (PCMS) |
| | Sign | | Traffic Flow |
| | Flag | | Flagger |

| Posted Speed
"S" | Formula
"L" | Minimum Desirable Taper Lengths "L" | | | Suggested Maximum Spacing of Channelizing Devices | | Minimum Sign Spacing "A" | Suggested Longitudinal Buffer Space "B" |
|---------------------|----------------|-------------------------------------|------------|------------|---|--------------|--------------------------|---|
| | | 10' Offset | 11' Offset | 12' Offset | On a Taper | On a Tangent | | |
| 30 | WS = 60 | 150' | 165' | 180' | 30' | 60' | 120' | 90' |
| 35 | WS = 60 | 205' | 225' | 245' | 35' | 70' | 160' | 120' |
| 40 | WS = 60 | 265' | 285' | 320' | 40' | 80' | 240' | 155' |
| 45 | WS = 60 | 450' | 495' | 540' | 45' | 90' | 320' | 195' |
| 50 | WS = 60 | 500' | 550' | 600' | 50' | 100' | 400' | 240' |
| 55 | WS = 60 | 550' | 605' | 660' | 55' | 110' | 500' | 295' |
| 60 | WS = 60 | 600' | 660' | 720' | 60' | 120' | 600' | 350' |
| 65 | WS = 60 | 650' | 715' | 780' | 65' | 130' | 700' | 410' |
| 70 | WS = 60 | 700' | 770' | 840' | 70' | 140' | 800' | 475' |
| 75 | WS = 60 | 750' | 825' | 900' | 75' | 150' | 900' | 540' |

* Conventional Roads Only

** Taper lengths have been rounded off.

L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

GENERAL NOTES

- Flags attached to signs where shown are OPTIONAL.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol are OPTIONAL.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- Contractor shall provide and install traffic control devices in conformance with part VI of Texas Manual on Uniform Traffic Control Devices (TMUTCD - Latest edition with revisions) during construction.
- No lanes shall be blocked from 7am to 9am and 4pm to 6:30pm Monday thru Friday.
- Off duty uniformed law enforcement officers/flaggers are required to direct traffic when applicable.
- If project is within 400 feet from a signalized intersection, the Contractor shall contact Harris County Engineering Department, Traffic Signal Maintenance at (713) 881-3210 five (5) days prior to the start of construction.

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |

**HARRIS COUNTY
ENGINEERING DEPARTMENT**



CONSULTANT LOGO
(LAYER "C-NON-PRINT")

ENGINEERS SEAL
(LAYER "C-NON-PRINT")

| | | |
|--------------------|----------------------------|------------------|
| PROJECT TITLE: | TRAFFIC CONTROL PLAN | TRAFFIC STANDARD |
| SHEET DESCRIPTION: | (PROJECT APPROACH SIGNING) | TCP-PAS |
| DESIGN BY: | BSH | DATE: 10/19/23 |
| CHECKED BY: | BSH | SHEET NO: 108 |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |

**WALLER COUNTY
ENGINEERING DEPARTMENT**

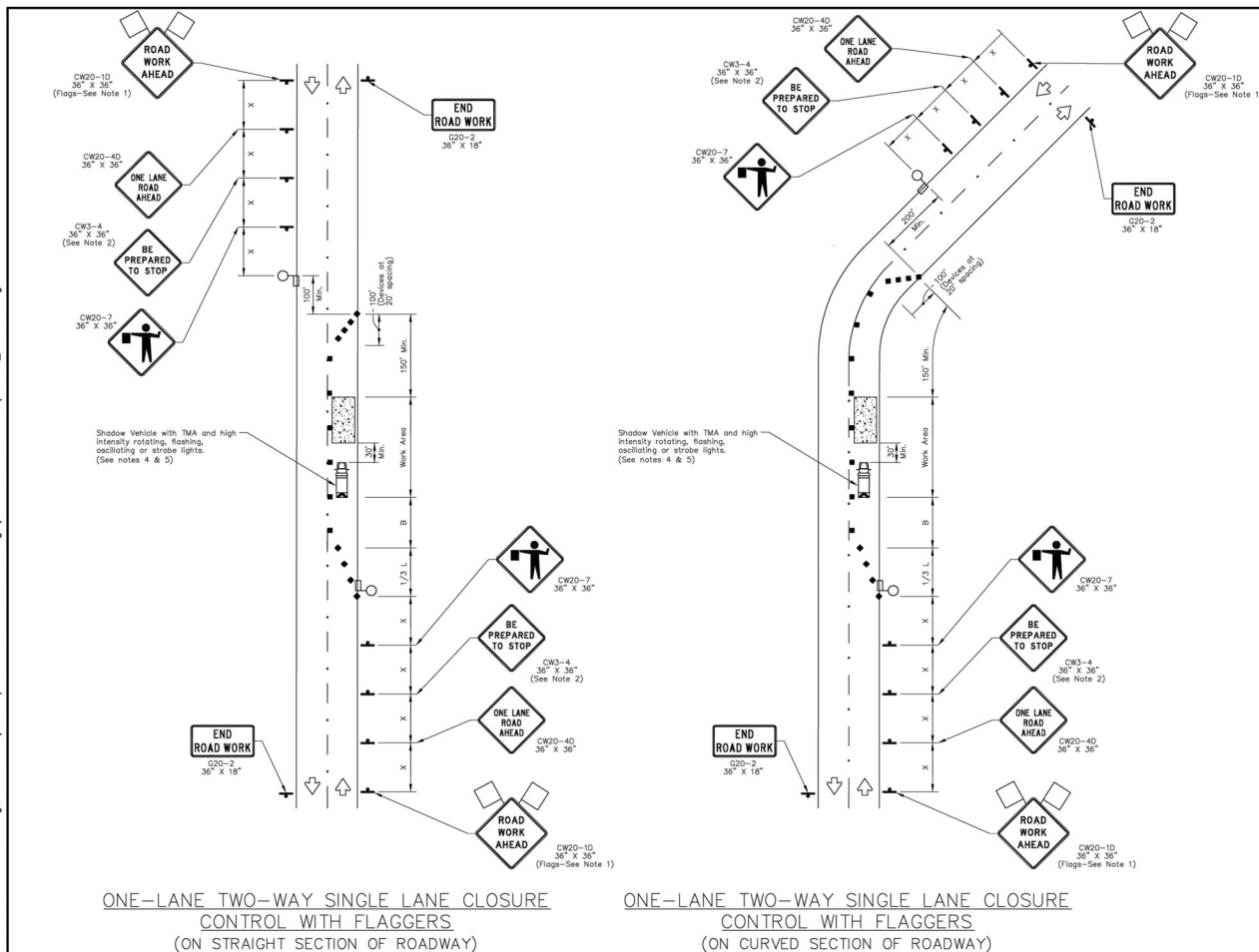


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PROJECT APPROACH SIGNING

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 108 |

J:\Engineering\Specs\WC Standard Traffic Drawings-Master File\2023 Update Standard Traffic Drawings\5-Traffic Control Plan\TCP-12_23.10.10.dwg



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

| ROADWAY | POSTED SPEED | TAPER LENGTH | SPACING CHANNELIZING DEVICES
TAPER TANGENT | SIGN SPACING | BUFFER SPACE |
|---------------|--------------|--------------|---|--------------|--------------|
| ADAMS FLAT RD | 35 MPH | 225' | 35' 35' 70' | 160' | 120' |
| FM 359 | 60 MPH | 660' | 60' 120' 600' | 600' | 350' |
| WILSON RD | 35 MPH | 225' | 35' 35' 70' | 160' | 120' |

LEGEND

| | | | |
|--|--------------------------------------|--|---|
| | Type 3 Barricade | | Channelizing Devices |
| | Heavy Work Vehicle | | Truck Mounted Attenuator (TMA) |
| | Trailer Mounted Flashing Arrow Board | | Portable Changeable Message Sign (PCMS) |
| | Sign | | Traffic Flow |
| | Flag | | Flagger |

| Posted Speed | Formula | Minimum Desirable Spacing of Taper Lengths "L" | | | Suggested Maximum Channelizing Devices | | Minimum Sign Spacing Distance | Suggested Longitudinal Buffer Space "B" |
|--------------|----------------|--|------------|------------|--|--------------|-------------------------------|---|
| | | 10' Offset | 11' Offset | 12' Offset | On a Taper | On a Tangent | | |
| 30 | W _S | 150' | 165' | 180' | 30' | 60' | 120' | 90' |
| 35 | W _S | 205' | 225' | 245' | 35' | 70' | 160' | 120' |
| 40 | W _S | 265' | 285' | 320' | 40' | 80' | 240' | 155' |
| 45 | W _S | 450' | 495' | 540' | 45' | 90' | 320' | 195' |
| 50 | W _S | 500' | 550' | 600' | 50' | 100' | 400' | 240' |
| 55 | W _S | 550' | 605' | 660' | 55' | 110' | 500' | 295' |
| 60 | W _S | 600' | 660' | 720' | 60' | 120' | 600' | 350' |
| 65 | W _S | 650' | 715' | 780' | 65' | 130' | 700' | 410' |
| 70 | W _S | 700' | 770' | 840' | 70' | 140' | 800' | 475' |
| 75 | W _S | 750' | 825' | 900' | 75' | 150' | 900' | 540' |

* Conventional Roads Only

** Taper lengths have been rounded off.

L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

GENERAL NOTES

- Flags attached to signs where shown are OPTIONAL.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol are OPTIONAL.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- Contractor shall provide and install traffic control devices in conformance with part VI of Texas Manual on Uniform Traffic Control Devices (TMUTCD - Latest edition with revisions) during construction.
- Flaggers should use two-way radios or other methods of communication to control traffic.
- Length of work space should be based on the ability of flaggers to communicate.
- If the work space is located near horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distances to the flagger and a queue of stopped vehicles (see table above).
- Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
- Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.
- No lines shall be blocked from 7am to 9am and 4pm to 6:30pm Monday thru Friday.
- Off duty uniformed law enforcement officers required to direct traffic when applicable.
- If project is within 400 feet from a signalized intersection, the Contractor shall contact Harris County Engineering Department, Traffic Signal Maintenance at (713) 881-3210 five (5) days prior to the start of construction.

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**HARRIS COUNTY
ENGINEERING DEPARTMENT**



FOR INTERIM REVIEW ONLY

DOCUMENT INCOMPLETE:
NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES

ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: / /

| | | |
|--------------------|-------------------------------|------------------|
| PROJECT TITLE: | TRAFFIC CONTROL PLAN | TRAFFIC STANDARD |
| SHEET DESCRIPTION: | (ONE-LANE, TWO-WAY OPERATION) | TCP-12 |
| DESIGN BY: | BSH | DATE: 10/19/23 |
| CHECK BY: | BSH | SHEET NO. |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |

**WALLER COUNTY
ENGINEERING DEPARTMENT**

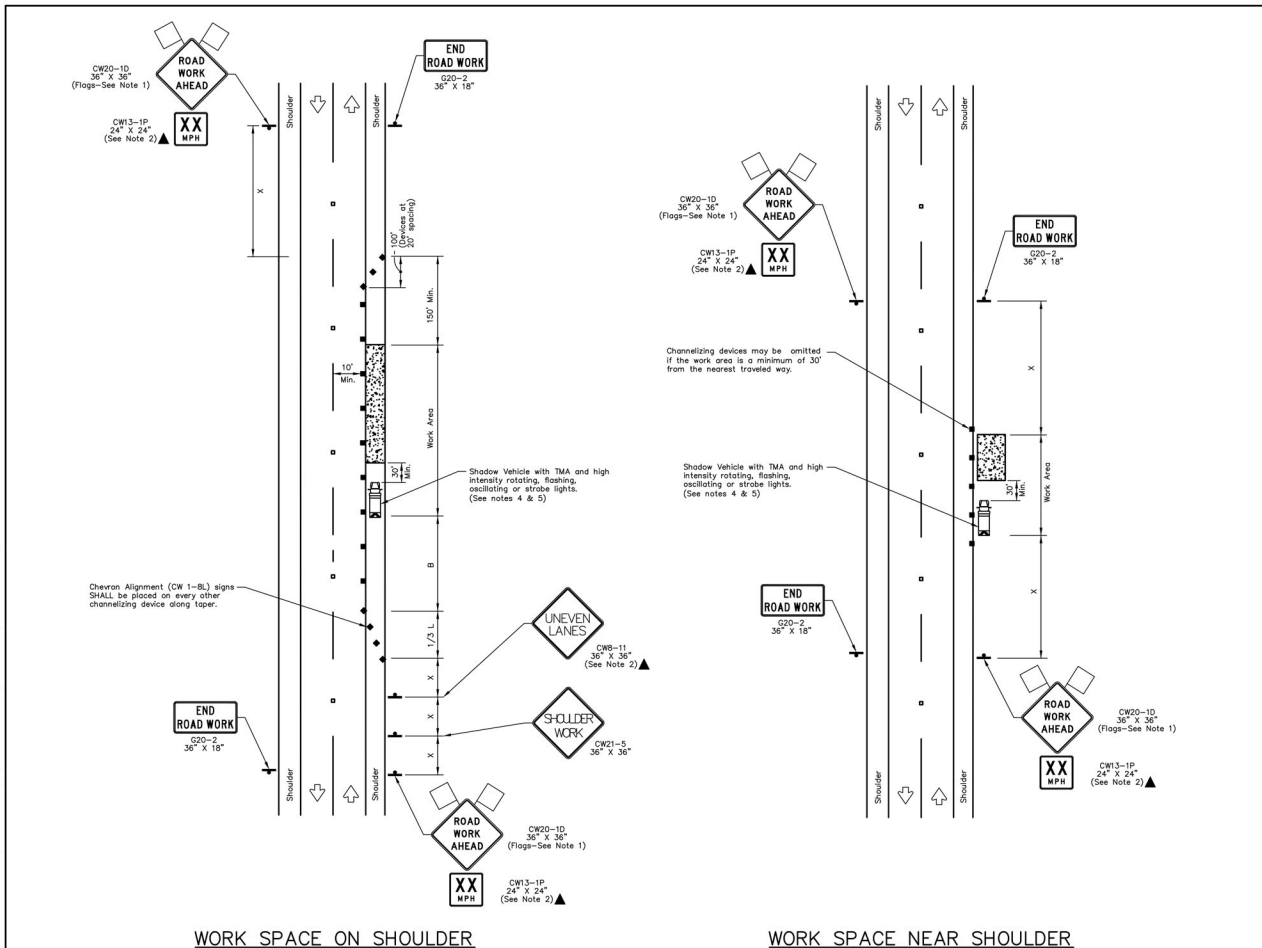


TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
ONE-LANE, TWO-WAY OPERATION

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 109 |

C:\Projects\Adams Flat Road - WC P1C13.5-Final Design\03_Sheets\Civil Details.dwg



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

| ROADWAY | POSTED SPEED | TAPER LENGTH | SPACING CHANNELIZING DEVICES | | SIGN SPACING | BUFFER SPACE |
|---------------|--------------|--------------|------------------------------|---------|--------------|--------------|
| | | | TAPER | TANGENT | | |
| ADAMS FLAT RD | 35 MPH | 225' | 35' | 70' | 160' | 120' |
| FM 359 | 60 MPH | 660' | 60' | 120' | 600' | 300' |
| WILSON RD | 35 MPH | 225' | 35' | 70' | 160' | 120' |

LEGEND

| | |
|--------------------------------------|---|
| Type 3 Barricade | Channelizing Devices |
| Heavy Work Vehicle | Truck Mounted Attenuator (TMA) |
| Trailer Mounted Flashing Arrow Board | Portable Changeable Message Sign (PCMS) |
| Sign | Traffic Flow |
| Flag | Flagger |

| Posted Speed | Formula | Minimum Desirable Taper Lengths "L" | | | Suggested Maximum Spacing of Channelizing Devices | | Minimum Sign Spacing "A" | Suggested Longitudinal Buffer Space "B" |
|--------------|---------|-------------------------------------|------------|------------|---|--------------|--------------------------|---|
| | | 10' Offset | 11' Offset | 12' Offset | On a Taper | On a Tangent | | |
| 30 | L = WS | 150' | 165' | 180' | 30' | 60' | 120' | 90' |
| 35 | | 205' | 225' | 245' | 35' | 70' | 160' | 120' |
| 40 | | 265' | 285' | 320' | 40' | 80' | 240' | 155' |
| 45 | L = WS | 450' | 495' | 540' | 45' | 90' | 320' | 195' |
| 50 | | 500' | 550' | 600' | 50' | 100' | 400' | 240' |
| 55 | | 550' | 605' | 660' | 55' | 110' | 500' | 295' |
| 60 | | 600' | 660' | 720' | 60' | 120' | 600' | 350' |
| 65 | | 650' | 715' | 780' | 65' | 130' | 700' | 410' |
| 70 | | 700' | 770' | 840' | 70' | 140' | 800' | 475' |
| 75 | | 750' | 825' | 900' | 75' | 150' | 900' | 540' |

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

GENERAL NOTES

- Flags attached to signs where shown are OPTIONAL.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol are OPTIONAL.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- Contractor shall provide and install traffic control devices in conformance with part VI of Texas Manual on Uniform Traffic Control Devices (TMUTCD - Latest edition with revisions) during construction.
- No times shall be blocked during construction.
- If project is within 400 feet from a signalized intersection, the Contractor shall contact Harris County Engineering Department, Traffic Signal Maintenance at (713) 881-3210 five (5) days prior to the start of construction.

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| ▲ | | | |
| ▲ | | | |
| ▲ | | | |
| ▲ | | | |

HARRIS COUNTY
ENGINEERING DEPARTMENT



FOR INTERIM REVIEW ONLY
DOCUMENT INCOMPLETE:
NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES
ENGINEER: NAME
P.E. SERIAL NO. NUMBER
DATE: / /

PROJECT TITLE:
SHEET DESCRIPTION:
TRAFFIC CONTROL PLAN (SHOULDER WORK)
DESIGN BY:
BSH
CHECK BY:
BSH
SCALE:
NONE
DATE:
8/18/17
SHEET NO:
TCP-SW

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

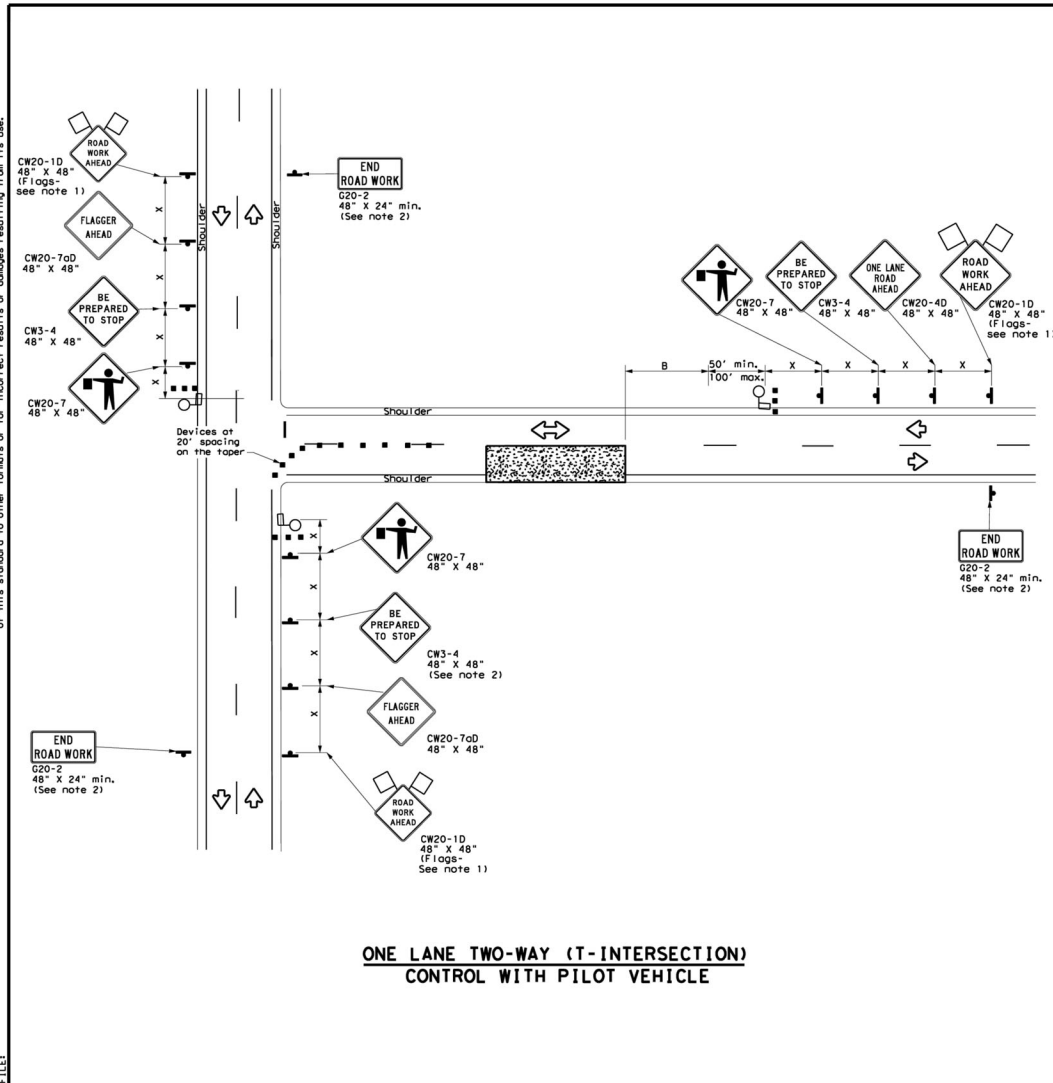
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SHOULDER WORK

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 110 |

DISCLAIMER:
The use of this standard is governed by the Texas Engineering Practice Act. No warranty of any kind is made by the Texas Department of Transportation or its consultants for the results or consequences of any use of this standard or for any other use of this standard or for any other use of this standard.

DATE: 5/20/2026

FILE: 100% SUBMITTAL



| LEGEND | |
|--------|---|
| | Type 3 Barricade |
| | Heavy Work Vehicle |
| | Trailer Mounted Flashing Arrow Board |
| | Sign |
| | Flag |
| | Channelizing Devices |
| | Truck Mounted Attenuator (TMA) |
| | Portable Changeable Message Sign (PCMS) |
| | Traffic Flow |
| | Flagger |

| Posted Speed | Formula | Minimum Desirable Taper Lengths | Suggested Maximum Spacing of Channelizing Devices | Minimum Sign Spacing Distance | Suggested Longitudinal Buffer Space | Stopping Sight Distance |
|--------------|---------------|----------------------------------|---|-------------------------------|-------------------------------------|-------------------------|
| # | | 10' 11' 12' Offset/Offset/Offset | On a Taper On a Tangent | 'X' | 'B' | |
| 30 | $L = WS^2/60$ | 150' 165' 180' | 30' 60' | 120' | 90' | 200' |
| 35 | | 205' 225' 245' | 35' 70' | 160' | 120' | 250' |
| 40 | | 265' 295' 320' | 40' 80' | 240' | 155' | 305' |
| 45 | | 450' 495' 540' | 45' 90' | 320' | 195' | 360' |
| 50 | | 500' 550' 600' | 50' 100' | 400' | 240' | 425' |
| 55 | | 550' 605' 660' | 55' 110' | 500' | 295' | 495' |
| 60 | $L = WS$ | 600' 660' 720' | 60' 120' | 600' | 350' | 570' |
| 65 | | 650' 715' 780' | 65' 130' | 700' | 410' | 645' |
| 70 | | 700' 770' 840' | 70' 140' | 800' | 475' | 730' |
| 75 | | 750' 825' 900' | 75' 150' | 900' | 540' | 820' |

* Conventional Roads Only

** Taper lengths have been rounded off.

L = Length of Taper (FT) W = Width of Offset (FT) S = Posted Speed (MPH)

| TYPICAL USAGE | | | |
|---------------|----------------|-----------------------|----------------------|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | |

GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except: If project signing is present, END ROAD WORK (G20-2) sign is optional with approval by the Engineer.
- Flaggers should use two-way radios or other methods of communication at all times for traffic control coordination.
- Flaggers should use 24" STOP (CW20-8) / SLOW (CW20-8a) paddles to control traffic. Flags should be limited to emergency situations.
- If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
- Temporary rumble strips are not required on seal coat operations.
- The pilot car is used to guide vehicles through traffic control zone. The pilot car shall have an identification name displayed and PILOT CAR, FOLLOW ME (G20-4) sign or message board mounted in a conspicuous position on rear.

SHEET 4 OF 8

| | | | |
|--|--------------------|----------------------------------|-----------|
| Texas Department of Transportation | | Traffic Safety Division Standard | |
| TRAFFIC CONTROL PLAN
SEAL COAT OPERATIONS
NEAR INTERSECTION | | | |
| TCP (SC-4) - 22 | | | |
| FILE: tcpsc-4-22.dgn | DATE: October 2022 | CONT: 1 | SHEET: 1 |
| 4-21 | 10-22 | DIST: COUNTY | SHEET NO. |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



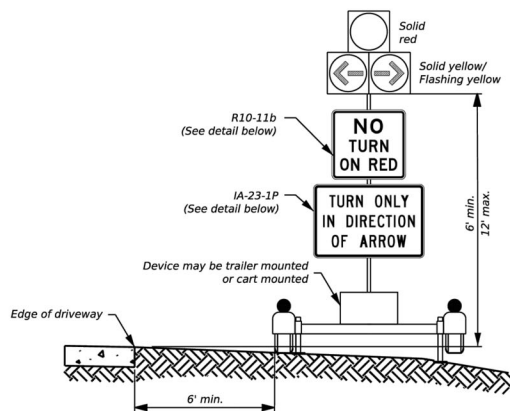
ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
ONE-LANE TWO-WAY OPERATION NEAR
INTERSECTION

| DN: | CONT: | SECT: | JOB: | ROAD: |
|--------|-------|---------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST: | COUNTY: | | SHEET NO. |
| CK DW: | | WALLER | | 111 |

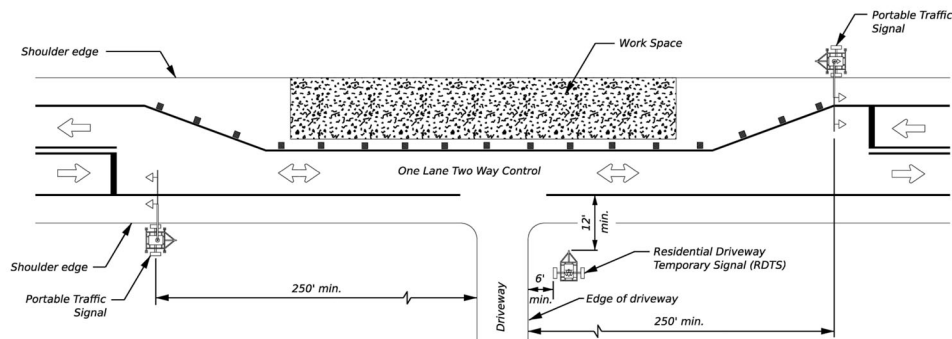
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the Texas Department of Transportation for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: 5/30/2026

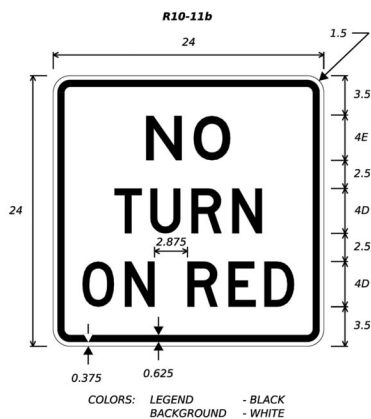
ELEVATION VIEW



PLAN VIEW TYPICAL RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL (RDTS) INSTALLATION



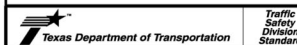
SIGN DETAILS



GENERAL NOTES

- Each RDTS must have one signal head consisting of three LED indications as follows: one 12 in. diameter steady red ball indication centered over one 12 in. diameter yellow left arrow and one 12 in. diameter yellow right arrow.
- RDTS(s) must be paired with a compatible portable traffic signal system for proper functionality. An RDTS shall not be used as a standalone device.
- See Special Specification "Residential Driveway Temporary Signal" for additional details.
- See Traffic Control Plan (TCP) standard sheets for placement of portable traffic signals and other traffic control devices.

| LEGEND | |
|--------|---------------------|
| → | Traffic flow |
| ■ | Channelizing device |



Traffic Safety Division Standard

RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL

RDTS-25

| | | | | | |
|-------------------|------------------------|--------------|--------------|-------------|----------------|
| FILE: rdt5-25.dgn | DATE: TxDOT April 2025 | CONF: 142052 | SECT: 142052 | JOB: 142052 | ISSUED: 142052 |
| KEYWORDS: | DIST: | COUNTY: | SHEET NO: | | |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



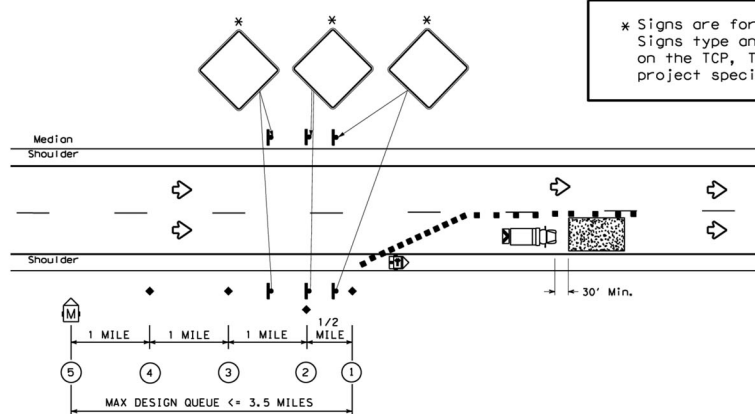
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
TEMPORARY SIGNAL

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 112 |

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the State of Texas or the Department of Transportation for the results or damages resulting from its use.

DATE
FILED



Type 2 - QUEUE DETECTION SYSTEM
(Max Design Queue ≤ 3.5 Miles)

| Message at
⑤ | Last 5 MIN Speed Averages V (MPH) | | | |
|-------------------------|-----------------------------------|----------------|----------------|----------------|
| | Sensor at
④ | Sensor at
③ | Sensor at
② | Sensor at
① |
| ROAD WORK AHEAD | > 45 | > 45 | > 45 | > 45 |
| SLOW TRAFFIC 3 MILES | > 45 | > 45 | > 45 | 25 < V < 45 |
| SLOW TRAFFIC 2 MILES | > 45 | > 45 | 25 < V < 45 | 25 < V < 45 |
| SLOW TRAFFIC 1 MILE | > 45 | 25 < V < 45 | 25 < V < 45 | 25 < V < 45 |
| SLOW TRAFFIC AHEAD | 25 < V < 45 | 25 < V < 45 | 25 < V < 45 | 25 < V < 45 |
| STOPPED TRAFFIC 3 MILES | > 25 | > 25 | > 25 | ≤ 25 |
| STOPPED TRAFFIC 2 MILES | > 25 | > 25 | ≤ 25 | ≤ 25 |
| STOPPED TRAFFIC 1 MILE | > 25 | ≤ 25 | ≤ 25 | ≤ 25 |
| STOPPED TRAFFIC AHEAD | ≤ 25 | ≤ 25 | ≤ 25 | ≤ 25 |

| LEGEND | | | |
|--------|---|--|--------------------------------------|
| | Work Area | | Traffic Flow |
| | Sign | | Portable Traffic Sensor |
| | Channelizing Devices | | Truck Mounted Attenuator (TMA) |
| | Location | | Flag |
| | Heavy Work Vehicle | | Trailer Mounted Flashing Arrow Board |
| | Portable Changeable Message Sign (PCMS) | | |

GENERAL NOTES

- Unless project conditions and manufacturer's specifications dictate otherwise, the number of PCMS, static signs and spacing of sensors will be as shown in the plans.
- Temporary Queue Detection System devices shall be operational only while work is actually in progress or a definite need exists.
- Refer to TCP and BC Traffic Engineering Standard sheets for additional information regarding the type and placement of temporary traffic control devices.
- The viewing angle of the sensors should not be blocked.
- Sensor at location ① may be mounted on the Flashing Arrow Board Trailer in the taper if spacing is adequate.
- Pay Item should be paid under Special Specification "Temporary Queue Detection System".

| | | | |
|---|-------|----------------------------------|------------|
| | | Traffic Safety Division Standard | |
| TEMPORARY QUEUE DETECTION SYSTEM TYPE 2
(Queue ≤ 3.5 Miles)
WZ-ITS(3)-19 | | | |
| FILE: WZ-ITS(3)-19.dgn | DN: | CK: | DN: |
| TXDOT February 2019 | CONT: | SECT: | JOB: |
| REVISED: | DIST: | COUNTY: | SHEET NO.: |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

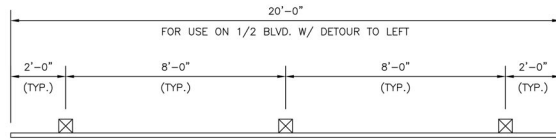
WALLER COUNTY
ENGINEERING DEPARTMENT



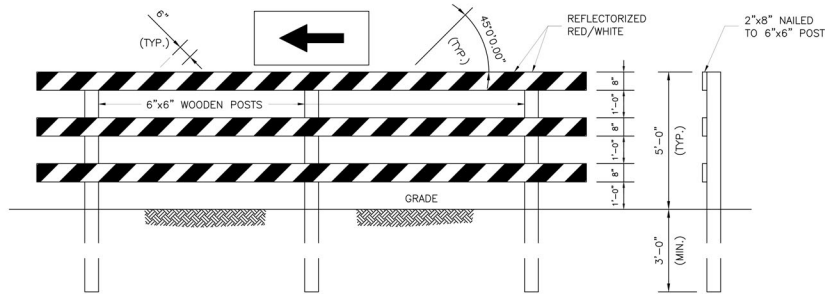
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
TEMPORARY QUEUE DETECTION SYSTEM

| | | | | |
|--------|-------|-------|---------|------------|
| DN: | CONT: | SECT: | JOB: | ROAD: |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST: | | COUNTY: | SHEET NO. |
| CK DW: | | | WALLER | 113 |

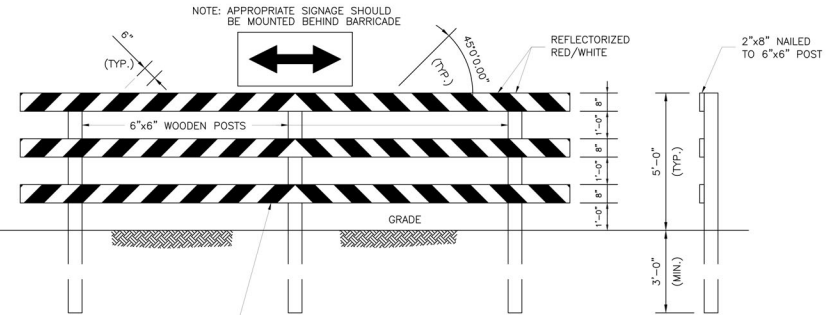


PLAN VIEW



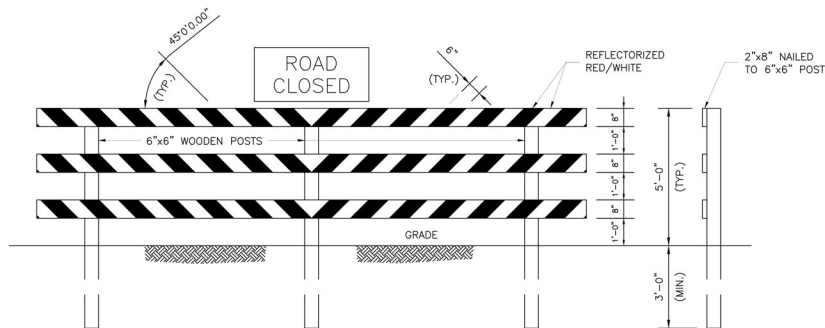
FRONT VIEW

DETOUR ROUTE



FRONT VIEW

T-INTERSECTION



FRONT VIEW

ROAD CLOSED - NO OUTLET

APPLICATION: PERMANENT AND SEMI-PERMANENT CLOSURE OF ROADWAY OR ROADWAY TERMINATION

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**HARRIS COUNTY
ENGINEERING DEPARTMENT**



FOR INTERIM REVIEW ONLY
DOCUMENT INCOMPLETE:
NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES
ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: / /

| | |
|--------------------|----------------------------|
| PROJECT TITLE: | |
| SHEET DESCRIPTION: | TYPE III BARRICADE DETAILS |
| DRAWN BY: | JDZ |
| CHECKED BY: | BSH |
| SCALE: | 1" = 2'-0" |
| DATE: | 8/18/17 |
| SHEET NO.: | |

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

**WALLER COUNTY
ENGINEERING DEPARTMENT**



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
TYPE III BARRICADE DETAILS

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-----------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | SHEET NO. | |
| CK DW: | | WALLER | 114 | |

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the Texas Department of Transportation for the use of this standard in any project or for any other purpose. The user assumes all liability for any and all consequences resulting from its use.

DATE: 5/30/2026
FILE: 100% SUBMITTAL

| REFLECTOR UNIT SIZES FOR DELINEATORS AND OBJECT MARKERS | | | | | DELINEATORS | | | | D & OM DESCRIPTIVE CODES | |
|--|---|---------------|---|---------------|---|---------------------------|--|----------|--------------------------|---|
| DEVICE | SIZE 1 | SIZE 2 | SIZE 3 | SIZE 4 | DEVICE | SINGLE | | DOUBLE | | INSTL DEL ASSM (D-XX) SZ X (XXXX) XXX (XX)
NUMBER OF REFLECTORS
S = Single
D = Double
COLOR OF REFLECTORS
W = White
Y = Yellow
R = Red
REFLECTOR UNIT SIZE
1 or 2
TYPE OF POST OR DELINEATOR
WC = Wing Channel Post
YFLX = Yellow Flexible Post
WFLX = White Flexible Post
BRP = Barrier Reflector
TYPE OF MOUNT
GND = Embedded (drivable or set in concrete)
CTB = Concrete Barrier Mount
GF1 or GF2 = Guard Fence Attachment
SRP = Surface Mount
DIRECTION
If Required
BI = Bi-Directional
BR = Bi-Directional with red on back
INSTL OM ASSM (OM-XX) (XXXX) XXX (XX)
TYPE OF OBJECT MARKER
1, 2, 3, or 4
NUMBER OF REFLECTORS OR DIRECTION
X = 3-Size 2 reflector units (Type 2 only)
Y = 1-Size 3 reflector unit (Type 2 only)
Z = 3-Size 1 or 1-Size 4 reflector unit (Type 2 only)
L = Left Side (Type 3 Object Marker only)
R = Right Side (Type 3 Object Marker only)
C = Center (Type 3 Object Marker only)
TYPE OF POST
WC = Wing Channel Post
WFLX = White Flexible Post
TWT = Thin Walled Tubing
TYPE OF MOUNT
GND = Embedded (drivable)
SRP = Surface Mount
WAS = Wedge Anchor Steel
WAP = Wedge Anchor Plastic
DIRECTION
If Required
BI = Bi-Directional |
| | | | | | | | | | | |
| SHEETING Yellow, White or Red Type B or C reflective sheeting | | | | | SHEETING Yellow, White or Red Type B or C Reflective Sheeting | | | | | DEPARTMENTAL MATERIAL SPECIFICATIONS
FLEXIBLE DELINEATOR & OBJECT MARKER POSTS (EMBEDDED & SURFACE MOUNT TYPES) DMS-4400
SIGN FACE MATERIALS DMS-8300
DELINEATORS, OBJECT MARKERS AND BARRIER REFLECTORS DMS-8600 |
| NOTE
1. Size 1 and 4 - Direct applied reflective sheeting for use on flexible post (fix).
2. Size 2 and 3 - For use on wing channel (wc) post only. Use approved metal, plastic or fiberglass backplate with 17/64" mounting holes. | | | | | MOUNT TYPE
WC YFLX, WFLX GND, SRP | | | | | |
| | | | | | | | | | | |
| OBJECT MARKERS | | | | | | | | | | |
| DEVICE | Type 1 (OM-1) | Type 2 (OM-2) | | Type 3 (OM-3) | | | Type 4 (OM-4) | | | |
| | OM-1
 | OM-2X
 | OM-2Y
 | OM-2Z
 | OM-3L
 | OM-3R
 | OM-3C
 | OM-4
 | | |
| SHEETING Yellow-Type B _L or C _L Sheeting Yellow - Type B or C Sheeting Alternating acrylic black and retroreflective yellow - Type B _L or C _L Sheeting Red -Type B _L or C _L Sheeting | | | | | | | | | | |
| POST TYPE TWT WC WC WFLX TWT TWT | | | | | | | | | | |
| MOUNT TYPE WAS, WAP GND GND GND, SRP WAS, WAP WAS, WAP | | | | | | | | | | |
| BARRIER REFLECTORS (BRP) | | | CHEVRONS | | | ONE DIRECTION LARGE ARROW | | | | |
| DEVICE | GF1
 | GF2
 | CTB
 | DEVICE | | | | | | |
| | 1. Barrier reflectors shall meet the requirements of DMS 8600.
2. Approved Barrier Reflectors are listed on the "Barrier Reflectors" Material Producer List at: www.txdot.gov. | | | | SIZE (W x L)
18"x 24" (Conventional)
24"x 30" (Freeway)
30"x 36" (Expressway)
36" x 48" (Freeway) | | SIZE (W x L)
48" x 24" (Conventional)
60" x 30" (Expressway & Freeway) | | | |
| MOUNTING HEIGHT
4'-0" or 7'-0" | | | 7'-0" Only | | | MOUNTING HEIGHT
7'-0" | | | | |
| SHEETING Yellow, White, Red | | | NOTE
1. CHEVRON (W1-8) signs and ONE DIRECTION LARGE ARROW (W1-6) Signs shall be installed per Sign Mounting Details (SMD) Standard. Sheets and pold under Item 644 (Small Roadside Sign Assemblies).
2. When there is a need to increase conspicuity, the Texas version of the ONE DIRECTION LARGE ARROW sign (W1-9T) may be used instead of the ONE DIRECTION LARGE ARROW (W1-6). | | | | | | | |
| NOTE
1. Reflective sheeting shall have a minimum dimension of 3 inches and minimum surface area of 9 square inches. | | | | | | | | | | |

NOTE:

Delineator and object marker substrates and sign substrates shall be 0.080" aluminum sign blank to conform to ASTM B-209 Alloy 6061-T6 or approved alternative.

| | | | |
|---|------|----|-----------|
| | | | |
| DELINEATOR & OBJECT MARKER MATERIAL DESCRIPTION
D & OM(1)-20 | | | |
| FILED | DATE | BY | REVISIONS |
| 10-09 | 3-15 | | |
| 4-10 | 7-20 | | |
| 20A | | | |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
DELINEATOR & OBJECT MARKER MATERIAL

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 115 |

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the Texas Department of Transportation for the use of this standard or for the results or consequences resulting from its use.

DATE: 10-09-09

| POST TYPE AND SUPPORT FOUNDATION DETAILS | | | | | TYPE OF BARRIER MOUNTS | |
|--|-----------------------------|--|----------------------|--|------------------------|------|
| WING CHANNEL (WC) | FLEXIBLE POSTS (YFLX, WFLX) | | WEDGE ANCHOR SYSTEMS | | GUARD FENCE ATTACHMENT | |
| GND | GND | SRF | WAS | WAP | GF 1 | GF 2 |
| | | | | | | |
| NOTES | | NOTES | | GENERAL NOTES | | |
| 1. Embedded Wing Channel (WC) post option may be used for Type 2 Object Markers and Delineators only.
2. 1.12 lbs/ft steel per ASTM A 1011 SS Gr. 50, or ASTM A499. | | 1. See "Flexible Delineator and Object Marker Posts" Material Producer List for approved devices.
2. Install per manufacturer's recommendations.
3. Post length may vary to meet field conditions.
4. When using yellow delineators with flexible posts to separate opposing direction of travel, such as centerline or median use, the flexible posts shall be yellow. | | 1. Place delineators on a section of roadway at a consistent distance from the edge of pavement.
2. Where a restriction prevents consistent placement from the pavement edge, place the affected object markers in line with the innermost edge of the obstruction.
3. When Type 2 object markers and delineators are more than 8'-0" from the edge of the pavement, it may not be possible to maintain a height of approximately 4'-0". If this is the case, place the object marker or delineator as close to the desired height as possible.
4. Install all delineators, object markers and barrier reflectors in accordance with the manufacturer's recommendation.
5. Barrier reflectors should be installed a minimum of 18 inches above the edge of the pavement surface.
6. Diagonal stripes on Type 3 object markers shall slope down toward the intended travel lane. | | |
| TYPES 1, 3, AND 4 OBJECT MARKERS AND CHEVRONS | | CHEVRONS AND ONE DIRECTION LARGE ARROW SIGN | | DELINEATORS AND TYPE 2 OBJECT MARKERS | | |
| <p>NOTE: Mounting at 4 feet to the bottom of the chevron is permitted for chevrons that will not exceed a height of 6'-6" to the top of the chevron (sizes 24" x 30" and smaller).</p> | | <p>NOTE: Chevrons 30" x 36" and larger shall be mounted at a height of 7' to the bottom of the chevron. Chevron sign and ONE DIRECTION LARGE ARROW sign (W1-9T) shall be installed per SMD standard sheets and paid under item 644.</p> | | <p>See general notes 1, 2 and 3.</p> | | |

| | | | |
|---|----------------|----------------------------------|-------------------|
| Texas Department of Transportation | | Traffic Safety Division Standard | |
| DELINEATOR & OBJECT MARKER INSTALLATION | | | |
| D & OM(2)-20 | | | |
| FILE: don2-20.dgn | DATE: 10-09-09 | BY: MOHAMED SAYED | CHECKED: 10-09-09 |
| REVISIONS | DATE | BY | DESCRIPTION |
| 10-09-09 | 3-15 | | |
| 4-10-09 | 7-20 | | |
| 20B | | | |

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
DELINEATOR & OBJECT MARKER INSTALLATION

| | | | | |
|--------|-------|---------|-------|------------|
| DN: | CONT: | SECT: | JOB: | ROAD: |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST: | COUNTY: | | SHEET NO. |
| CK DW: | | WALLER | | 116 |

100% SUBMITTAL

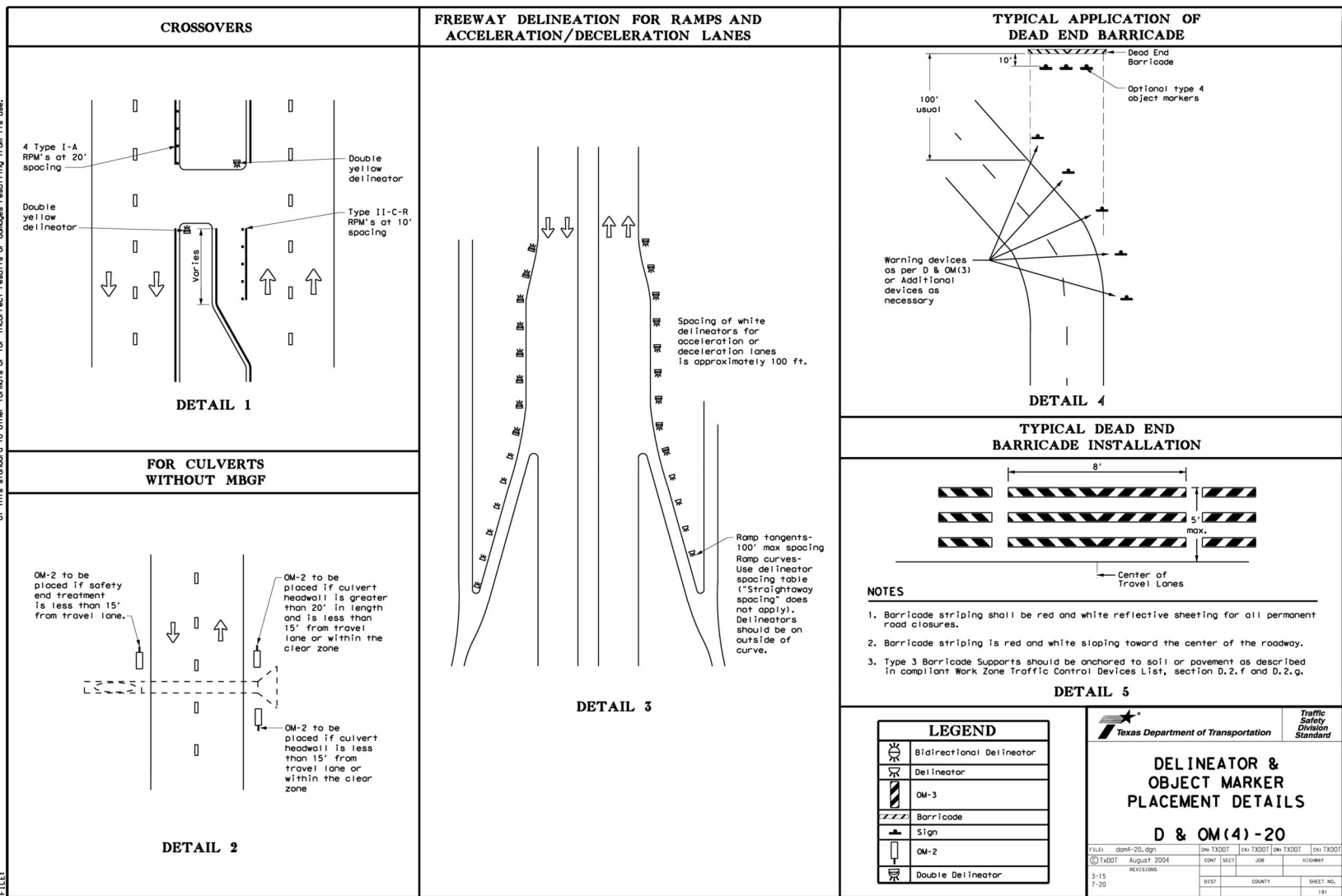


5/30/2026

| | | | | |
|--------|------|-----------|-------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | |
| CK DW: | | WALLER | | |
| | | SHEET NO. | | |
| | | 117 | | |

DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the Texas Department of Transportation for the use of this standard in other projects or for incorrect results or omissions resulting from its use.

DATE:
FILE:



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
DELINATOR & OBJECT MARKER PLACEMENT-2

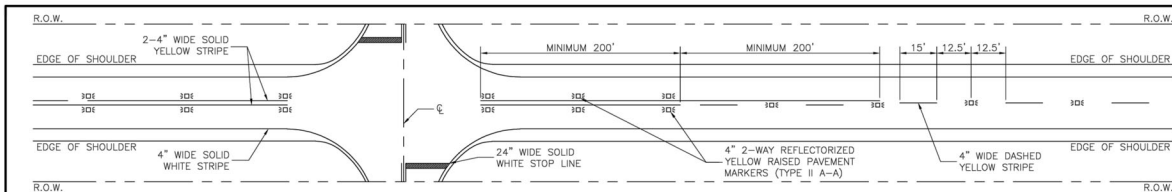
| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-----------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | SHEET NO. | |
| CK DW: | | WALLER | 118 | |

100% SUBMITTAL

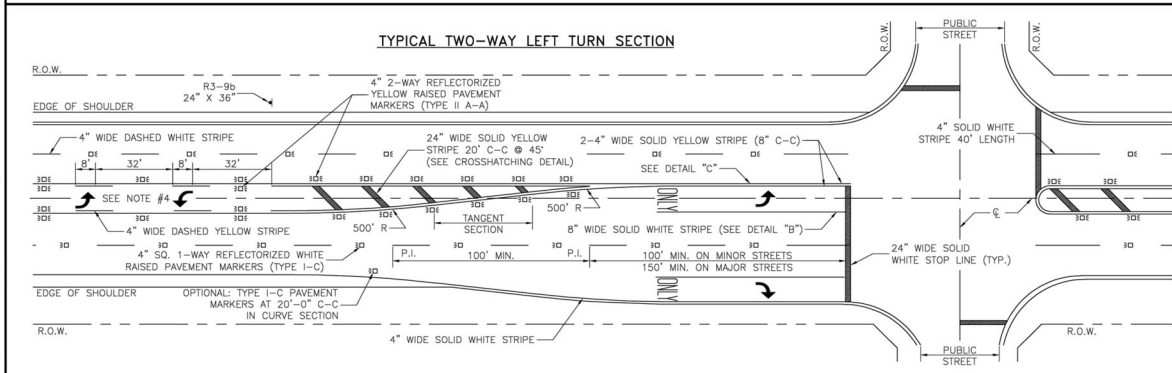


5/30/2026

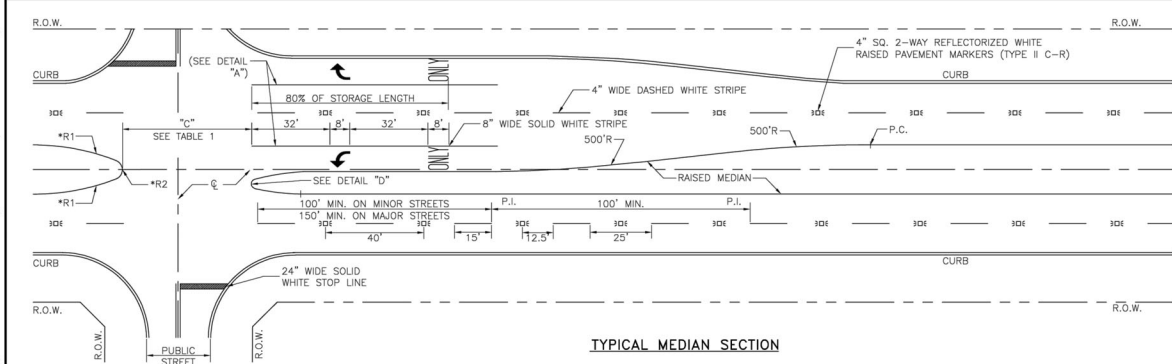
J:\Engineering\Specs\WC Standard Traffic Drawings-Master File\2-Pavement Markings and Sign Standards\PA\PM_17.12.14.dwg



TYPICAL TWO-LANE TWO-WAY ROAD



TYPICAL TWO-WAY LEFT TURN SECTION

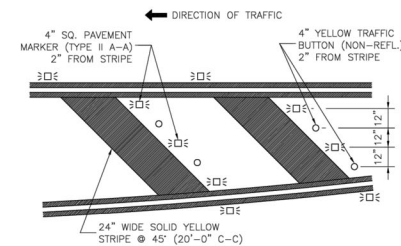


TYPICAL MEDIAN SECTION

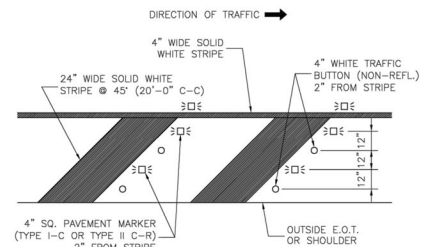
NOTES:

1. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (TMUTCD).
2. ALL TRAFFIC BUTTONS AND MARKERS SHALL BE INSTALLED ADJACENT TO STRIPES (APPROXIMATELY 2").
3. LEFT TURN STORAGE BAYS SHALL BE A MIN. OF 100' ON MINOR STREETS AND A MIN. 150' ON MAJOR STREETS.
4. REPEAT ARROWS AT APPROXIMATELY 1000' INTERVALS WITHIN TWO-WAY LEFT TURN SECTION.
5. WHEN PAVEMENT MARKINGS EXTEND INTO OR CONTINUE THROUGH AN INTERSECTION AREA, THEY SHALL BE THE SAME COLOR AND AT LEAST THE SAME WIDTH AS THE LINE MARKINGS THEY EXTEND.
6. WHEN CROSSWALK MARKINGS ARE USED WITHIN AN ESTABLISHED SCHOOL ZONE AREA, CONTINENTAL TYPE MARKINGS SHALL BE USED.
7. ADDITIONAL SET OF "WORD" AND "ARROW" PAVEMENT MARKINGS SHALL BE USED WHEN TURN LANE STORAGE LENGTH IS 160 FEET OR GREATER.

CROSSHATCHING DETAIL



OUTSIDE EDGE CROSSHATCHING DETAIL



| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

HARRIS COUNTY
ENGINEERING DEPARTMENT



FOR INTERIM REVIEW ONLY
DOCUMENT INCOMPLETE:
NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES
ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: / /

| | |
|--------------------|------------------|
| PROJECT TITLE: | TRAFFIC STANDARD |
| SHEET DESCRIPTION: | PM |
| DATE: | 12/14/17 |
| SCALE: | SHEET NO. |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PAVEMENT MARKING DETAIL (2 OF 2)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 119 |

DETAIL "A"
(FOR DIVIDED ROADWAYS)

FOR DIVIDED ROADWAYS USE 4" SQ. 2-WAY REFLECTORIZED PAVEMENT MARKERS (TYPE II C-R)

NON-REFLECTORIZED WHITE RAISED TRAFFIC BUTTONS

8" WHITE STRIPE

DETAIL "B"
(FOR UNDIVIDED ROADWAYS)

4" SQ. 1-WAY REFLECTORIZED WHITE RAISED PAVEMENT MARKERS (TYPE I-C)

NON-REFLECTORIZED WHITE RAISED TRAFFIC BUTTONS

8" WHITE STRIPE

DETAIL "C"

4" SQ. 2-WAY REFLECTORIZED YELLOW RAISED PAVEMENT MARKERS (TYPE II A-A)

NON-REFLECTORIZED YELLOW RAISED TRAFFIC BUTTONS

4" YELLOW STRIPES

DETAIL "D"

* PAINT FROM THE BACK OF CURB TO THE GUTTER LINE

TYPICAL CURB SECTION

TYPICAL MEDIAN NOSE

RAISED MEDIAN WITH TURN BAY

PAVEMENT MARKER LEGEND

| SYMBOL | DESCRIPTION |
|--------|--|
| ◻ | 4" x 4" REFLECTORIZED RAISED PAVEMENT MARKER |
| ◻ | INDICATED DIRECTION OF TRAFFIC FLOW |
| ○ | NON-REFLECTIVE 4" DIA. RAISED TRAFFIC BUTTON |

RADIUS DIMENSIONS

| MEDIAN | *R1 | *R2 |
|-----------|-----|-----|
| ≤10' | N/A | W/2 |
| >10' ≤40' | 90' | W/5 |
| >40' | N/A | N/A |

TABLE 1
TYPICAL MEDIAN OPENING "C"

| MEDIAN INTERRUPTION | NO LTB | (1) LTB | (1) 2 LTB |
|-----------------------|--------|-----------|-----------|
| PRIVATE DRIVE | 45' | 52.5' | 60' |
| UNDIVIDED STREET <40' | 45' | 52.5' (2) | 60' (2) |
| DIVIDED STREET | D+22' | D+22' | D+22' |

NOTES:

(1) LTB = LEFT TURN BAY

(2) DISTANCE FROM CENTERLINE OF OPENING TO MEDIAN NOSE WITH LEFT TURN LANE IS 30' FOR RIGHT ANGLE INTERSECTIONS, FOR INTERSECTIONS OTHER THAN 90°, APPLY DESIGN VEHICLE TURNING TEMPLATE TO DETERMINE DIMENSION TO MEDIAN NOSE CUT OFF.

(3) D = WIDTH OF DIVIDED STREET

TYPICAL CROSSWALK PLACEMENT

CONTINENTAL TYPE

STANDARD TYPE

CENTER LINE DETAIL CURVE SECTION

CENTER LINE DETAIL TANGENT SECTION

TWO-WAY LEFT TURN CURVE SECTION

TWO-WAY LEFT TURN TANGENT SECTION

RAISED PAVEMENT MARKERS

REFLECTORIZED SURFACE

TYPE I (TOP VIEW)

REFLECTORIZED SURFACE

TYPE II (TOP VIEW)

ROADWAY SURFACE 35' MAX. - 25' MIN.

SECTION A-A

ADHESIVE

HARRIS COUNTY
ENGINEERING DEPARTMENT



FOR INTERIM REVIEW ONLY

DOCUMENT INCOMPLETE:
NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES

ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: / /

| | | |
|-----------------------------------|---------------|------------------|
| PROJECT TITLE | | TRAFFIC STANDARD |
| PAVEMENT MARKING DETAILS (2 OF 2) | | PM |
| DATE: 12/14/17 | SHEET NO. 120 | |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



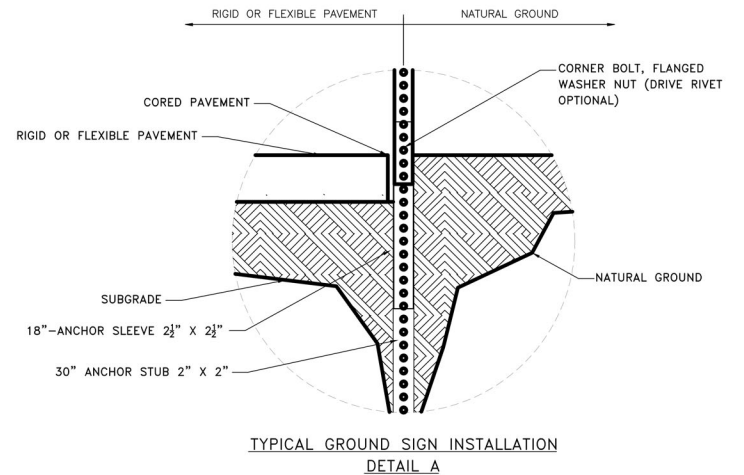
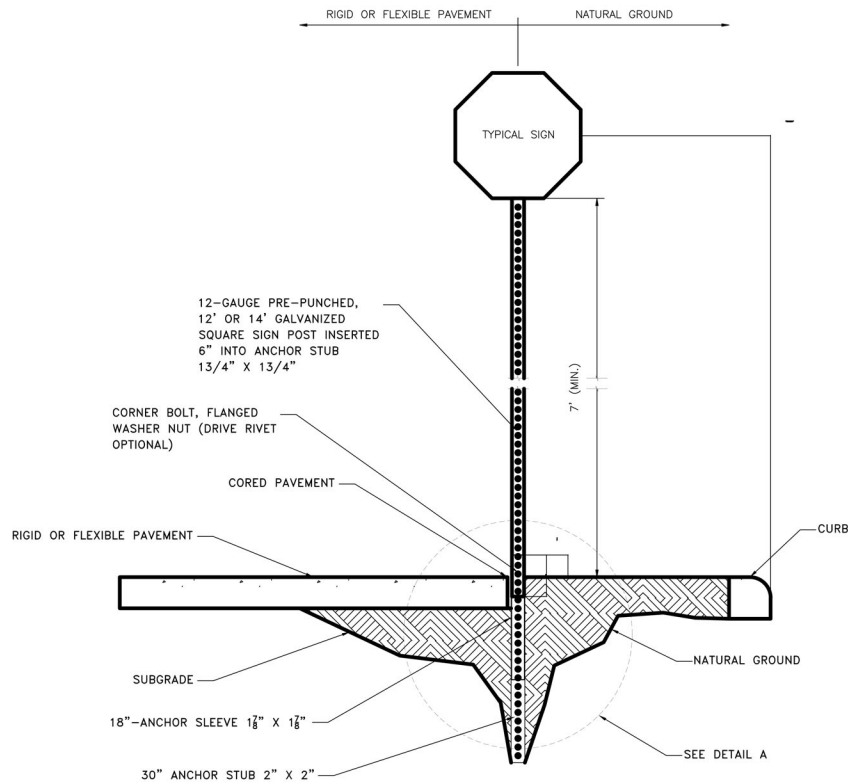
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PAVEMENT MARKING DETAIL (2 OF 2)

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-----------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | SHEET NO. | |
| CK DW: | | WALLER | 120 | |

PLOT DATE: 5/20/2026 5:12 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road - WC\PC13\5-Final Design\03-Sheets\Civil Details.dwg



NOTES:

1. THE CROSS SECTION OF ALL MEMBERS SHALL BE SQUARE TUBE FORMED OF 12 GAUGE AND MANUFACTURED FROM HOT-GALVANIZED STEEL.
2. THE TELESCOPE BREAKAWAY SYSTEM OR "SYSTEM" IS DEFINED AS FOLLOW:
- A MINIMUM 30" ANCHOR STUB;
- 18" ANCHOR SLEEVE.
1. DRIVE THE SYSTEM TOGETHER MAKING SURE THE HOLES ARE ALIGNED.
2. THE SYSTEM IS TO BE DRIVEN INTO NATURAL GROUND EXPOSED SUBGRADE UNTIL ONLY 1 TO 2 INCHES ARE LEFT EXPOSED.
5. ATTACH THE SIGN TO AN 1 3/4" SQUARE POST AT THE DESIRED HEIGHT, SUCH THAT IT MEETS THE MINIMUM VERTICAL CLEARANCE.
6. SIGNS ARE FASTENED TO THE POST BY USING DRIVE RIVETS OR BOLTS.
7. INSERT THE SIGN POST APPROXIMATELY 6 TO 8 INCHES INTO THE ANCHOR BASE.
8. BOLT THE SIGN POST TO THE ANCHOR ASSEMBLY WITH A CORNER BOLT.
9. WHEN INSTALLING IN RIGID OR FLEXIBLE PAVEMENT, USE A CORING MACHINE TO EXPOSE THE SUBGRADE MATERIAL AND INSTALL THE SYSTEM.

100% SUBMITTAL



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
TYPICAL GROUND SIGN INSTALLATION

| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 121 |

J:\Engineering\Specs\10-Standard Traffic Drawings-Master File\2-Foreman Markings and Sign Standards\SSD\SSD-18.3.16.dwg

| | | | | | | | | | | | |
|----------------|--|---------------------------------|------------------|---------|-----------|--------------|-----------|-------------|-----------------|--------------|-------------|
| | | | | | | | | | | | |
| | * MINIMUM SIZE OF 36X36 SHALL BE USED FOR STOP SIGNS THAT FACE MULTI-LANE APPROACHES | | | | | | | | | | |
| TMUTCD/SHSD ID | R1-1 | R1-2 | R1-3P | R2-1 | R3-4 | R3-5R (L) | R3-7L (R) | R3-8 | R4-7 | R6-1R, R6-1L | R6-2R (L) |
| LOCAL | 30x30* | 30x30 | 18X6 | 24x30 | 24x24 | 30x36 | 30x30 | Varies x 30 | 24x30 | 36x12 | 24x30 |
| COLLECTOR | 36x36 | 36x36 | 18X6 | 24x30 | 30x30 | 30x36 | 36x36 | Varies x 30 | 24x30 | 36x12 | 30x36 |
| THOROUGHFARE | 36x36 | 36x36 | 18X6 | 24x30 | 30x30 | 30x36 | 36x36 | Varies x 36 | 24x30 | 36x12 | 30x36 |
| | | | | | | | | | | | |
| | NO PARKING (ALL TYPES) | R8-8 | R10-6R (L) | R10-17T | W1-1R (L) | W1-2R (L) | W1-3R (L) | W1-4R (L) | W1-6R (L), W1-7 | W1-7T | W1-8R (L) |
| LOCAL | 18x24 | 24x30 | 24x36 | 30x30 | 30x30 | 30x30 | 30x30 | 30x30 | 48x24 | 48x24 | 18x24 |
| COLLECTOR | 18x24 | 24x30 | 24x36 | 30X30 | 36x36 | 36x36 | 36x36 | 36x36 | 48x24 | 48x24 | 18x24 |
| THOROUGHFARE | 18x24 | 24x30 | 24x36 | 30X30 | 36x36 | 36x36 | 36x36 | 36x36 | 48x24 | 48x24 | 30x36 |
| | | | | | | | | | | | |
| TMUTCD/SHSD ID | W2-1 | W2-2R (L) | W3-1 | W3-3 | W4-2R (L) | W6-2 | W6-3 | W8-13aT | W9-1R (L) | W9-2R (L) | W10-1 |
| LOCAL | 30x30 | 30x30 | 30x30 | 30x30 | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 30 dia. |
| COLLECTOR | 30x30 | 30x30 | 30x30 | 30x30 | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 30 dia. |
| THOROUGHFARE | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 36x36 | 30 dia. |
| | | | | | | | | | | | |
| TMUTCD/SHSD ID | W11-1 through W11-12 | W13-1P | W14-1 | W14-2 | W16-2aP | W16-7PL (PR) | W16-9 | S1-1 | S4-3P | | I-3 |
| LOCAL | 30x30 | 18x18 | 30x30 | 24x24 | 24x12 | 30x18 | 24x12 | 36x36 | 24x8 | 24x36 | VARIES X 18 |
| COLLECTOR | 36x36 | 18x18 | 36x36 | 24x24 | 24x12 | 30X18 | 24x12 | 36x36 | 24x8 | 24x36 | VARIES X 18 |
| THOROUGHFARE | 36x36 | 18x18 | 36x36 | N/A | 24x12 | 30x18 | 24x12 | 36x36 | 24x8 | 24x36 | VARIES X 30 |
| | | | | | | | | | | | |
| TMUTCD/SHSD ID | OM-3R, OM-3L | GROUND MOUNTED STREET NAME SIGN | TYPES D-DY, D-DW | | | | | | | | |
| LOCAL | 12X36 | VARIES X 8 | 36" TALL | | | | | | | | |
| COLLECTOR | 12X36 | VARIES X 8 | 36" TALL | | | | | | | | |
| THOROUGHFARE | 12X36 | VARIES X 8 | 36" TALL | | | | | | | | |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

HARRIS COUNTY
ENGINEERING DEPARTMENT



| | | |
|--------------------|--------|------------------|
| PROJECT TITLE: | | TRAFFIC STANDARD |
| SHEET DESCRIPTION: | | SSD |
| DESIGN BY: | DATE: | |
| CHK'D BY: | SCALE: | |
| BSH | NONE | |
| SHEET NO.: | | |

100% SUBMITTAL



5/30/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



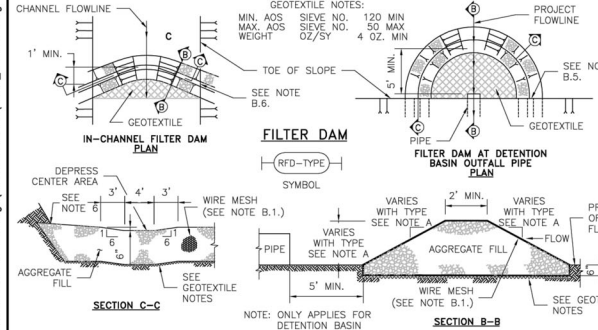
TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
SMALL SIGN DETAILS

| | | | | |
|--------|------|------|--------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | | COUNTY | SHEET NO. |
| CK DW: | | | WALLER | 122 |

\\Engineering Specs\HC Standard Civil Drawings-Master File\2023 Standard Civil Drawings\4-Miscellaneous\SW3P_23.10.10.dwg



- A. TYPES OF FILTER DAMS

1. TYPE 1 (NON-REINFORCED)
 a. HEIGHT - 18-24 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 b. TOP WIDTH - 2 FEET (MINIMUM).
 c. SLOPES - 2:1 (MAXIMUM).

2. TYPE 2 (REINFORCED)
 a. HEIGHT - 18-36 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 b. TOP WIDTH - 2 FEET (MINIMUM).
 c. SLOPES - 2:1 (MAXIMUM).

3. TYPE 3 (REINFORCED)
 a. HEIGHT - 36 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 b. TOP WIDTH - 2 FEET (MINIMUM).
 c. SLOPES - 3:1 (MAXIMUM).

4. TYPE 4 (GABION)
 a. HEIGHT - 30 INCHES (MINIMUM). MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 b. TOP WIDTH - 2 FEET (MINIMUM).
 c. SLOPES - 3:1 (MAXIMUM).

5. TYPE 5. AS SHOWN ON THE PLANS.

OUTLAP PIPE PROTECTION.

B. CONSTRUCT FILTER DAMS ACCORDING TO THE FOLLOWING CRITERIA UNLESS SHOWN OTHERWISE ON THE PLANS.

1. TYPE 2 AND 3 FILTER DAMS: SECURE WITH 20 GAUGE GALVANIZED WOVEN WIRE MESH WITH 1 INCH DIAMETER HEXAGONAL OPENINGS.

2. PLACE AGGREGATE FILL ON THE WIRE MESH TO HEIGHT AND SLOPES SHOWN ON PLANS OR AS SPECIFIED BY THE ENGINEER.

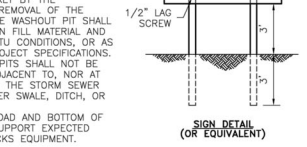
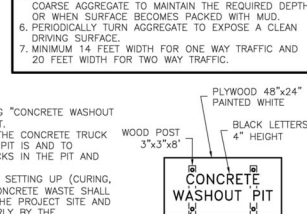
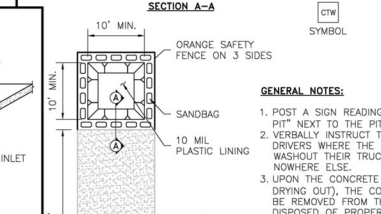
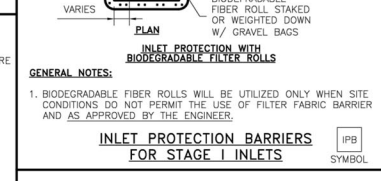
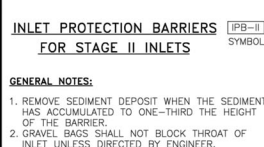
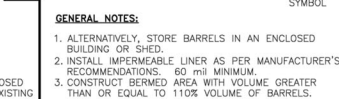
a. 3-5 INCHES FOR ROCK FILTER DAM TYPES 1, 2 AND 4.
 b. 4-8 INCHES FOR ROCK FILTER DAM TYPE 3.

3. OLD WIRE MESH AT UPSTREAM SIDE OVER AGGREGATE FILL AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES OR RINGS.

4. IN STREAMS: SECURE THE STAKE MESH TO STREAM BED PRIOR TO AGGREGATE PLACEMENT.

5. EMBED ONE FOOT MINIMUM INTO SLOPE AND RAISE ONE FOOT HIGHER THAN CENTER OF DEPRESSED AREA AT SLOPE.

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |



The seal of Harris County, Texas, is a circular emblem. It features a five-pointed star in the center, surrounded by a wreath. The words "HARRIS COUNTY" are inscribed in a circle around the top, and "TEXAS" is at the bottom. The year "1836" is also visible within the seal.

ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: / /

| | | | |
|----------------------------------|--------------|----------------|----------|
| PROJECT TITLE: | | CIVIL STANDARD | |
| SHEET DESCRIPTION: | | SW3P | |
| STORM WATER POLLUTION PREVENTION | | | |
| DRAWN BY: | PLAN DETAILS | | DATE: |
| JJZ | | | 10/10/23 |
| CHK'D BY: | SCALE: | SHEET NO: | |
| NR | NONE | 7 | |



5/30/2026

The seal of the State of Texas, Waller County, is a circular emblem. It features a five-pointed star in the center, surrounded by a wreath. The words "THE STATE OF TEXAS" are inscribed along the top inner edge, and "WALLER COUNTY" is inscribed along the bottom inner edge.



WALLER COUNTY
TEXAS

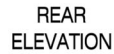


TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PAVEMENT MARKIGN DETAIL (1 OF 2)

| | | | | | |
|--------|------|--------|-------|------------|----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO |
| CK DW: | | WALLER | | | 123 |

PLOT DATE: 5/30/2026 5:13 PM PLOT BY: MOHAMED SAYED FILE NAME: C:\Projects\Adams Flat Road -- WC PCT\5-Final Design\2-Final Design\03_Sheets\Civil Details.dwg



1. THE SIGN SHALL HAVE BLACK LETTERS WITH WHITE BACKGROUND.
2. ALL LETTERING SHALL BE EITHER AERIAL FONT OR HELVETICA FONT.
3. SIGN SHALL BE MOUNTED ON 4" x 6" POSTS AND LOCATED BY THE ENGINEER.
4. REMOVABLE PANEL SHALL BE 1/2" MARINE PLYWOOD.
5. ALL BOLTS, SCREWS, NAILS, NUTS AND WASHERS SHALL BE GALVANIZED OR CADMIUM PLATED.
6. 4" x 6" POST SHALL BE WORMANIZED OR PENTACHLOROPHENOL TREATED.
7. ALL WOOD SURFACES SHALL HAVE PRIME COAT AND TWO (2) COATS OF SHERWIN-WILLIAMS KEM-LUSTRA ENAMEL OR EQUAL.

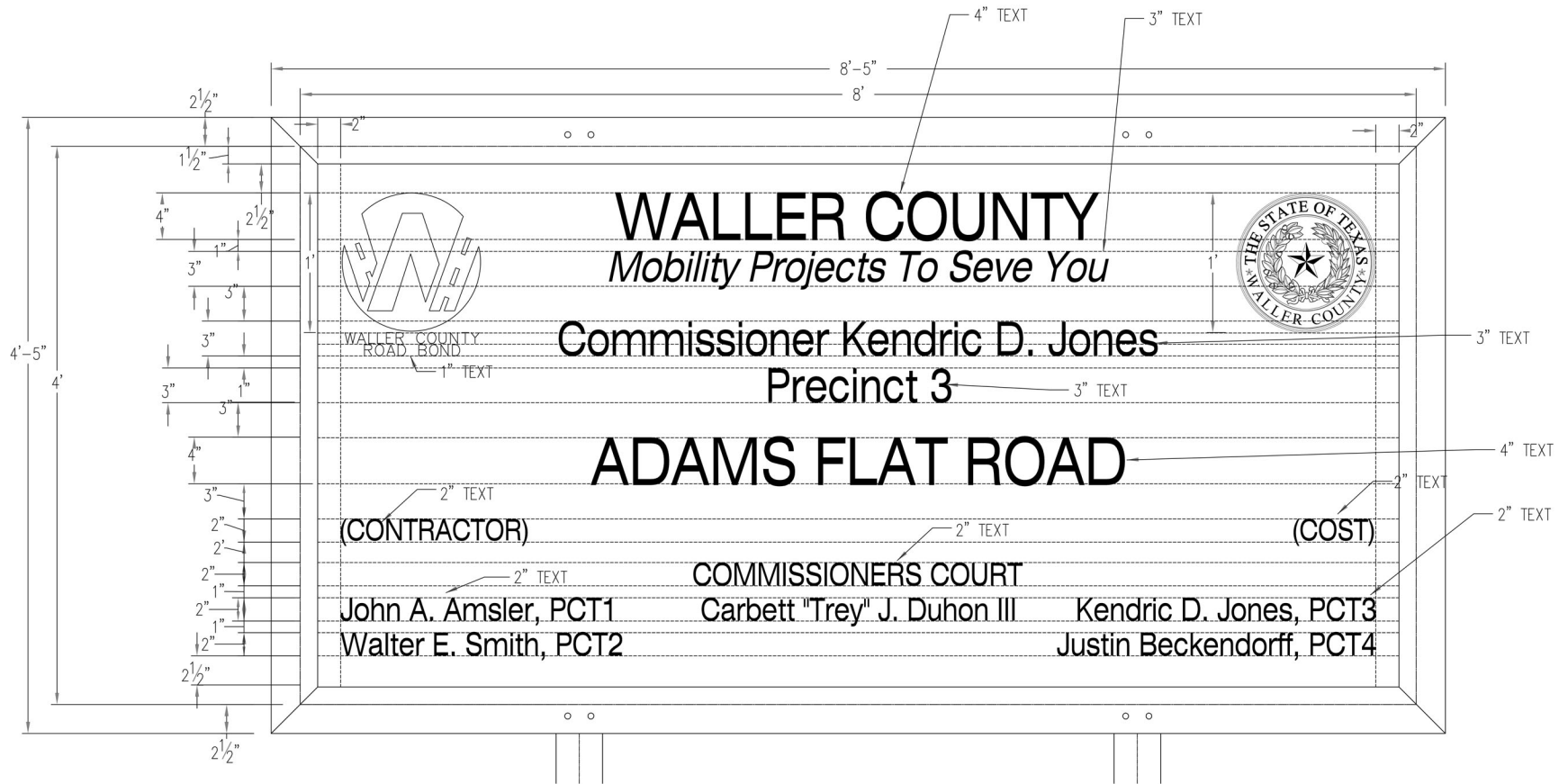
WALLER COUNTY
ENGINEERING DEPARTMENT



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PROJECT SIGN DETAILS (1 of 2)

| | | | | |
|--------|------|-----------|-------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | |
| CK DW: | | WALLER | | |
| | | SHEET NO. | | |
| | | 124 | | |

5/30/2026



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715
TRILOGY
ENGINEERING SERVICES

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
PROJECT SIGN DETAILS (2 of 2)

| | | | | |
|--------|------|--------|-------|------------|
| DN: | CONT | SECT | JOB | ROAD |
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 125 |

100% SUBMITTAL

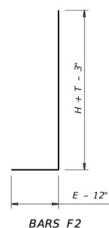


5/30/2026

DISCLAIMER: This standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. The use of this standard is the responsibility of the user. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

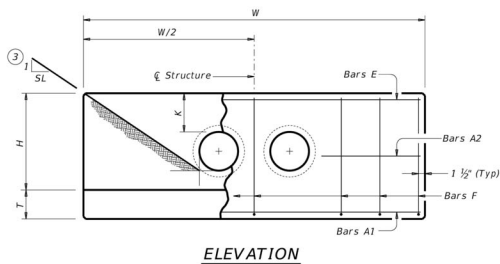
DATE: FILE:

| TABLE OF VARIABLE DIMENSIONS ⁽³⁾
AND QUANTITIES FOR ONE HEADWALL | | | | | | | | | | | |
|--|---------------------|--------------------|------------------|---|--------------------|------------------|-----------------------------|---------------------|--------------------|------------------|------|
| Slope
Dia of Pipe
(D) | Values for One Pipe | | | Values To Be Added
for Each Add'l Pipe | | | Slope
Dia of Pipe
(D) | Values for One Pipe | | | |
| | W | Reinf
(lbs) (1) | Conc
(CY) (2) | W | Reinf
(lbs) (1) | Conc
(CY) (2) | | W | Reinf
(lbs) (1) | Conc
(CY) (2) | |
| 2:1 | 12" | 9'-0" | 122 | 1.1 | 1'-9" | 15 | 0.2 | 12" | 9'-0" | 122 | 1.1 |
| | 15" | 10'-3" | 136 | 1.3 | 2'-2" | 16 | 0.2 | 15" | 10'-3" | 136 | 1.3 |
| | 18" | 11'-6" | 163 | 1.5 | 2'-8" | 19 | 0.3 | 18" | 11'-6" | 163 | 1.5 |
| | 21" | 12'-9" | 200 | 1.8 | 3'-1" | 31 | 0.4 | 21" | 12'-9" | 200 | 1.8 |
| | 24" | 14'-0" | 217 | 2.1 | 3'-7" | 34 | 0.4 | 24" | 14'-0" | 217 | 2.1 |
| | 27" | 15'-3" | 254 | 2.4 | 3'-11" | 37 | 0.5 | 27" | 15'-3" | 254 | 2.4 |
| | 30" | 16'-6" | 272 | 2.7 | 4'-4" | 40 | 0.6 | 30" | 16'-6" | 272 | 2.7 |
| | 33" | 17'-9" | 314 | 3.1 | 4'-8" | 43 | 0.6 | 33" | 17'-9" | 314 | 3.1 |
| | 36" | 19'-0" | 371 | 3.9 | 5'-1" | 46 | 0.8 | 36" | 19'-0" | 371 | 3.9 |
| | 42" | 21'-6" | 442 | 4.9 | 5'-10" | 52 | 1.0 | 42" | 21'-6" | 442 | 4.9 |
| | 48" | 25'-0" | 569 | 6.4 | 6'-7" | 59 | 1.3 | 48" | 25'-0" | 569 | 6.4 |
| | 54" | 27'-6" | 701 | 7.5 | 7'-6" | 82 | 1.6 | 54" | 27'-6" | 701 | 7.5 |
| 2:1 1/2 | 60" | 30'-0" | 794 | 8.8 | 8'-3" | 90 | 1.8 | 60" | 30'-0" | 794 | 8.8 |
| | 66" | 32'-6" | 894 | 10.2 | 8'-9" | 96 | 2.0 | 66" | 32'-6" | 894 | 10.2 |
| | 72" | 35'-0" | 1,055 | 11.7 | 9'-4" | 103 | 2.3 | 72" | 35'-0" | 1,055 | 11.7 |
| | 12" | 13'-0" | 175 | 1.6 | 1'-9" | 14 | 0.2 | 12" | 13'-0" | 175 | 1.6 |
| | 15" | 14'-9" | 193 | 1.9 | 2'-2" | 17 | 0.2 | 15" | 14'-9" | 193 | 1.9 |
| | 18" | 16'-6" | 228 | 2.2 | 2'-8" | 19 | 0.3 | 18" | 16'-6" | 228 | 2.2 |
| | 21" | 18'-3" | 299 | 2.6 | 3'-1" | 31 | 0.4 | 21" | 18'-3" | 299 | 2.6 |
| | 24" | 20'-0" | 323 | 3.0 | 3'-7" | 33 | 0.4 | 24" | 20'-0" | 323 | 3.0 |
| | 27" | 21'-9" | 371 | 3.5 | 3'-11" | 37 | 0.5 | 27" | 21'-9" | 371 | 3.5 |
| | 30" | 23'-6" | 415 | 4.0 | 4'-4" | 40 | 0.5 | 30" | 23'-6" | 415 | 4.0 |
| | 33" | 25'-3" | 469 | 4.6 | 4'-8" | 43 | 0.6 | 33" | 25'-3" | 469 | 4.6 |
| | 36" | 27'-0" | 556 | 5.7 | 5'-1" | 46 | 0.8 | 36" | 27'-0" | 556 | 5.7 |
| 4:1 | 42" | 30'-6" | 675 | 7.1 | 5'-10" | 52 | 1.0 | 42" | 30'-6" | 675 | 7.1 |
| | 48" | 35'-6" | 837 | 9.2 | 6'-7" | 59 | 1.3 | 48" | 35'-6" | 837 | 9.2 |
| | 54" | 39'-0" | 1,015 | 11.0 | 7'-6" | 84 | 1.6 | 54" | 39'-0" | 1,015 | 11.0 |
| | 60" | 42'-6" | 1,171 | 12.9 | 8'-3" | 91 | 1.8 | 60" | 42'-6" | 1,171 | 12.9 |
| | 66" | 46'-0" | 1,298 | 14.9 | 8'-9" | 98 | 2.0 | 66" | 46'-0" | 1,298 | 14.9 |
| | 72" | 49'-6" | 1,561 | 17.1 | 9'-4" | 103 | 2.3 | 72" | 49'-6" | 1,561 | 17.1 |
| | 12" | 17'-0" | 229 | 2.0 | 1'-9" | 15 | 0.2 | 12" | 17'-0" | 229 | 2.0 |
| | 15" | 19'-3" | 266 | 2.4 | 2'-2" | 17 | 0.2 | 15" | 19'-3" | 266 | 2.4 |
| | 18" | 21'-6" | 308 | 2.9 | 2'-8" | 19 | 0.3 | 18" | 21'-6" | 308 | 2.9 |
| | 21" | 23'-9" | 382 | 3.5 | 3'-1" | 31 | 0.3 | 21" | 23'-9" | 382 | 3.5 |
| | 24" | 26'-0" | 430 | 3.9 | 3'-7" | 34 | 0.4 | 24" | 26'-0" | 430 | 3.9 |
| | 27" | 28'-3" | 486 | 4.7 | 3'-11" | 37 | 0.5 | 27" | 28'-3" | 486 | 4.7 |
| 6:1 | 30" | 30'-6" | 539 | 5.2 | 4'-4" | 40 | 0.6 | 30" | 30'-6" | 539 | 5.2 |
| | 33" | 32'-9" | 603 | 6.0 | 4'-8" | 42 | 0.6 | 33" | 32'-9" | 603 | 6.0 |
| | 36" | 35'-0" | 738 | 7.5 | 5'-1" | 47 | 0.8 | 36" | 35'-0" | 738 | 7.5 |
| | 42" | 39'-6" | 881 | 9.3 | 5'-10" | 52 | 1.0 | 42" | 39'-6" | 881 | 9.3 |
| | 48" | 46'-0" | 1,102 | 12.1 | 6'-7" | 61 | 1.3 | 48" | 46'-0" | 1,102 | 12.1 |
| | 54" | 50'-6" | 1,364 | 14.4 | 7'-6" | 84 | 1.6 | 54" | 50'-6" | 1,364 | 14.4 |
| | 60" | 55'-0" | 1,547 | 16.9 | 8'-3" | 91 | 1.8 | 60" | 55'-0" | 1,547 | 16.9 |
| | 66" | 59'-6" | 1,741 | 19.5 | 8'-9" | 98 | 2.0 | 66" | 59'-6" | 1,741 | 19.5 |
| | 72" | 64'-0" | 2,077 | 22.4 | 9'-4" | 102 | 2.3 | 72" | 64'-0" | 2,077 | 22.4 |
| | 12" | 25'-0" | 336 | 3.0 | 1'-9" | 14 | 0.2 | 12" | 25'-0" | 336 | 3.0 |
| | 15" | 28'-3" | 384 | 3.6 | 2'-2" | 17 | 0.2 | 15" | 28'-3" | 384 | 3.6 |
| | 18" | 31'-6" | 452 | 4.2 | 2'-8" | 19 | 0.3 | 18" | 31'-6" | 452 | 4.2 |
| 21" | 34'-9" | 581 | 5.1 | 3'-1" | 31 | 0.4 | 21" | 34'-9" | 581 | 5.1 | |
| 24" | 38'-0" | 644 | 5.8 | 3'-7" | 34 | 0.4 | 24" | 38'-0" | 644 | 5.8 | |
| 27" | 41'-3" | 737 | 6.9 | 3'-11" | 37 | 0.5 | 27" | 41'-3" | 737 | 6.9 | |
| 30" | 44'-6" | 807 | 7.7 | 4'-4" | 39 | 0.6 | 30" | 44'-6" | 807 | 7.7 | |
| 33" | 47'-9" | 912 | 8.9 | 4'-8" | 44 | 0.6 | 33" | 47'-9" | 912 | 8.9 | |
| 36" | 51'-0" | 1,108 | 11.0 | 5'-1" | 48 | 0.8 | 36" | 51'-0" | 1,108 | 11.0 | |
| 42" | 57'-6" | 1,318 | 13.7 | 5'-10" | 54 | 1.0 | 42" | 57'-6" | 1,318 | 13.7 | |
| 48" | 67'-0" | 1,682 | 17.9 | 6'-7" | 59 | 1.3 | 48" | 67'-0" | 1,682 | 17.9 | |
| 54" | 73'-6" | 2,072 | 21.3 | 7'-6" | 83 | 1.6 | 54" | 73'-6" | 2,072 | 21.3 | |
| 60" | 80'-0" | 2,351 | 24.9 | 8'-3" | 89 | 1.8 | 60" | 80'-0" | 2,351 | 24.9 | |
| 66" | 86'-6" | 2,643 | 28.9 | 8'-9" | 96 | 2.0 | 66" | 86'-6" | 2,643 | 28.9 | |
| 72" | 93'-0" | 3,121 | 33.1 | 9'-4" | 101 | 2.3 | 72" | 93'-0" | 3,121 | 33.1 | |

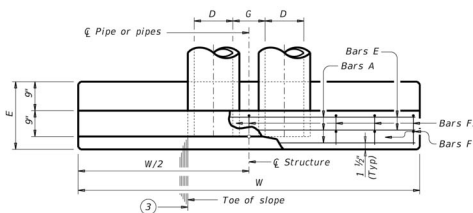


BARS F2

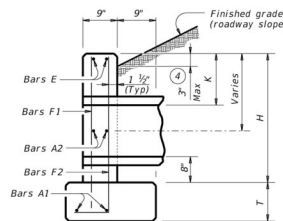
- 1 Total quantities include one 3'-1" lap for bars over 60' in length.
- 2 Quantities shown are for concrete pipe and will increase slightly for metal pipe installations.
- 3 Indicated slope is perpendicular to centerline pipe or pipes.
- 4 For vehicle safety, construct curbs no more than 3' above finished grade. Reduce curb heights, if necessary, to meet these requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.
- 5 Dimensions shown are usual and maximum.
- 6 Quantities shown are for one structure end only (one headwall).



ELEVATION



PLAN OF NON-SKEWED PIPES



SECTION AT CENTER OF PIPE

| TABLE OF CONSTANT DIMENSIONS | | | | | |
|------------------------------|--------|-------|--------|-------|-------|
| Dia of Pipe (D) | G | K (5) | H | T | E |
| 12" | 0'-9" | 1'-0" | 2'-8" | 0'-9" | 1'-9" |
| 15" | 0'-11" | 1'-0" | 2'-11" | 0'-9" | 1'-9" |
| 18" | 1'-2" | 1'-0" | 3'-2" | 0'-9" | 1'-9" |
| 21" | 1'-4" | 1'-0" | 3'-5" | 0'-9" | 2'-0" |
| 24" | 1'-7" | 1'-0" | 3'-8" | 0'-9" | 2'-0" |
| 27" | 1'-8" | 1'-0" | 3'-11" | 0'-9" | 2'-3" |
| 30" | 1'-10" | 1'-0" | 4'-2" | 0'-9" | 2'-3" |
| 33" | 1'-11" | 1'-0" | 4'-5" | 0'-9" | 2'-6" |
| 36" | 2'-1" | 1'-0" | 4'-8" | 1'-0" | 2'-6" |
| 42" | 2'-4" | 1'-0" | 5'-2" | 1'-0" | 2'-9" |
| 48" | 2'-7" | 1'-3" | 5'-11" | 1'-0" | 3'-0" |
| 54" | 3'-0" | 1'-3" | 6'-5" | 1'-0" | 3'-3" |
| 60" | 3'-3" | 1'-3" | 6'-11" | 1'-0" | 3'-6" |
| 66" | 3'-3" | 1'-3" | 7'-5" | 1'-0" | 3'-9" |
| 72" | 3'-4" | 1'-3" | 7'-11" | 1'-0" | 4'-0" |

| TABLE OF REINFORCING STEEL | | | |
|----------------------------|------|-------|-----|
| Bar | Size | Spa | No. |
| A1 | #5 | - | 2 |
| A2 | #5 | 1'-6" | - |
| E | #5 | - | 2 |
| F | #5 | 1'-0" | - |

MATERIAL NOTES:
Provide Grade 60 reinforcing steel.
Provide Class C concrete ($f'_c = 3,600$ psi).

GENERAL NOTES:
Designed according to AASHTO LRFD Bridge Design Specifications.
Do not mount bridge rails of any type directly to these culvert headwalls.
This standard may not be used for wall heights, H, exceeding the values shown.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing dimensions are out-to-out of bars.

| | | | |
|---|--------------------------|--------------------------|--------------------------|
| Texas Department of Transportation | | Bridge Division Standard | |
| CONCRETE HEADWALLS WITH PARALLEL WINGS FOR NON-SKEWED PIPE CULVERTS | | | |
| CH-PW-0 | | | |
| Rev: CD-CH-PW-0-20.dgn | Rev: TxDOT February 2020 | Rev: TxDOT February 2020 | Rev: TxDOT February 2020 |
| COMP | SECT | APP | WIDEN |
| DISP | COUNTY | SHEET NO. | |

100% SUBMITTAL



6/4/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

WALLER COUNTY
ENGINEERING DEPARTMENT



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

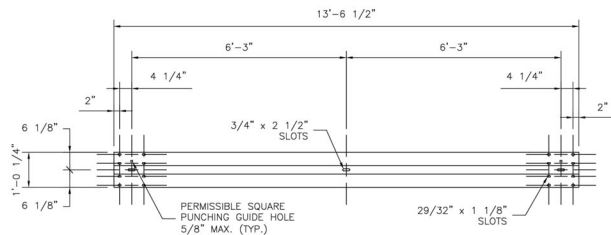


ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
CONCRETE HEADWALLS WITH PARALLEL WINGS

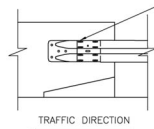
| DN: | CONT | SECT | JOB | ROAD |
|--------|------|--------|-------|------------|
| CK DN: | | | 23301 | ADAMS FLAT |
| DW: | DIST | COUNTY | | SHEET NO. |
| CK DW: | | WALLER | | 126 |

PLOT DATE: 6/4/2026 11:21 PM PLOT BY: MOHAMED SAIED FILE NAME: C:\Projects\Adams Flat Road - WC PLOT\5-Final Design\103-Sheets\Civil Details.dwg

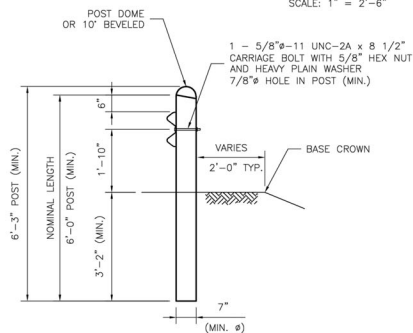
J:\Engineering\Specs\HC Standard Civil Drawings- Master File\2023 Standard Civil Drawings\4-Miscellaneous\MBGF_23.10.10.dwg



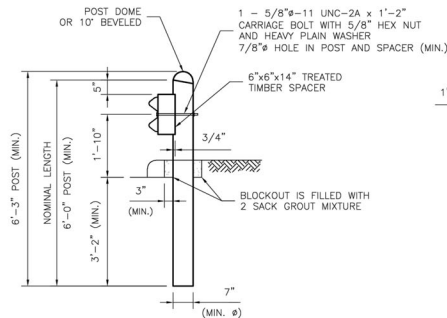
**ELEVATION OF NOMINAL
12'-6" METAL BEAM RAIL**
SCALE: 1" = 1'-6"



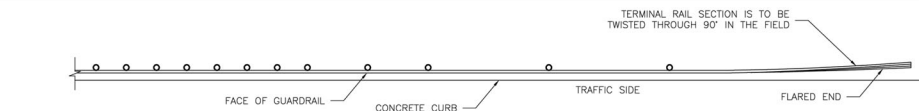
TERMINAL CONNECTOR DETAILS
SCALE: 1" = 2'-6"



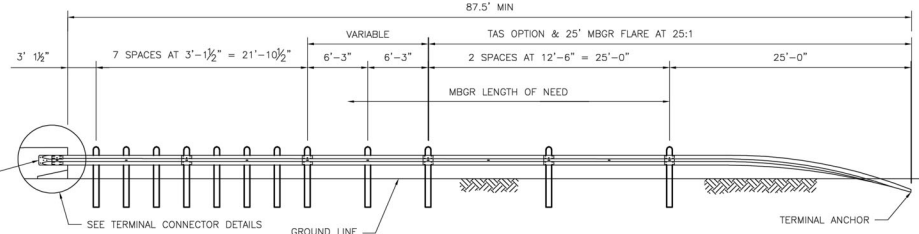
WOOD POST
SCALE: 1" = 1'-6"



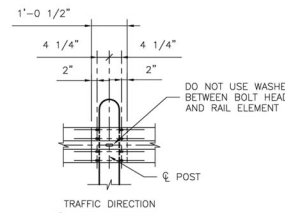
**WOOD POST
(BLOCKOUT)
FOR CURBED STREETS**
SCALE: 1" = 1'-6"



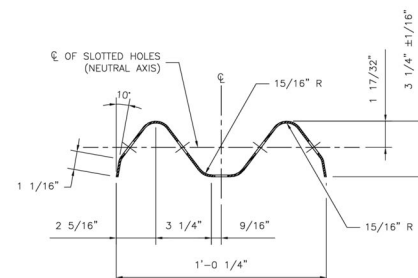
**PLAN OF METAL BEAM GUARD FENCE
(APPROACH END)**
SCALE: 1" = 3'-0"



**ELEVATION OF METAL BEAM GUARD FENCE
(APPROACH END)**
SCALE: 1" = 3'-0"



**POST CONNECTION AND
METAL BEAM RAIL SPLICE
WOOD POST**
SCALE: 1" = 3'-0"



**SECTION THRU
METAL BEAM RAIL**
SCALE: 1" = 3"

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**HARRIS COUNTY
ENGINEERING DEPARTMENT**



FOR INTERIM REVIEW ONLY
DOCUMENT INCOMPLETE:
NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES
ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: / /

| PROJECT TITLE: | CIVIL STANDARD |
|---|----------------|
| METAL BEAM GUARD FENCE DETAILS (1 OF 2) | MBGF |
| DATE: 10/19/23 | SHEET NO. 127 |

100% SUBMITTAL



6/4/2026

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

**WALLER COUNTY
ENGINEERING DEPARTMENT**



TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715

ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
METAL BEAM GUARD FENCE DETAILS
SHEET (1 OF 2)

N

| | | | | | |
|--------|------|--------|-------|------------|-----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO. |
| CK DW: | | WALLER | | | 127 |



1. EXCEPT WHERE USED AT STRUCTURES OR WHERE OTHERWISE INDICATED ON DRAWINGS, THE FACE OF METAL BEAM RAIL SHALL BE LOCATED A MINIMUM OF ONE FOOT FROM THE SHOULDER EDGE ON EXISTING ROADWAYS AND A MINIMUM OF TWO FEET FROM THE SHOULDER EDGE ON NEW CONSTRUCTION. THE EXACT POSITION SHALL BE AS SHOWN ELSEWHERE ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER. METAL BEAM RAIL SHALL BE TRANSITIONED TO A SMOOTH CONNECTION WITH OTHER STRUCTURE OR STRUCTURE RAILING AS SHOWN ON DRAWINGS.
2. AT THE OPTION OF THE CONTRACTOR, THE RAIL ELEMENTS FOR METAL BEAM GUARD FENCE MAY BE FURNISHED IN EITHER 12'-1/2 FOOT OR 25 FOOT NOMINAL LENGTHS. RAIL SHALL BE FURNISHED WITH POST BOLT SLOTS FOR 5/8" DIAMETER BOLT CONNECTION TO POSTS.
3. BOLTS SHALL BE OF SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND NO MORE THAN 3/4" BEYOND IT.
4. THE TOP 10" OF THE TERMINAL ANCHOR POST ASSEMBLY AND ALL STEEL FITTINGS SHALL BE GALVANIZED. METAL BEAM RAIL ELEMENTS AND ALL FITTINGS SHALL BE GALVANIZED.
5. THE TERMINAL ANCHOR POST SHALL BE SET IN CLASS "A" CONCRETE IN ACCORDANCE WITH ITEM 421 "HYDRAULIC CEMENT CONCRETE." CONCRETE SHALL BE SUBSIDIARY TO THE BID ITEM 540 "METAL BEAM GUARD FENCE."
6. TIMBER POSTS MAY BE BEVELED AT APPROXIMATELY 10 DEGREES ON THE TOP WITH HIGH SIDE OF TOP PLACED TOWARD THE ROADWAY OR THEY MAY BE DOWED.
7. AN ANCHOR OTHER THAN TO A TERMINAL ANCHOR POST SHALL CONSIST OF A CONNECTION SIMILAR TO THE METAL BEAM RAIL SPLICE.
8. SPECIAL FABRICATION WILL BE REQUIRED IN INSTALLATIONS HAVING A CURVATURE OF LESS THAN 150 FOOT RADII.
9. POST SPACING WILL BE 6'-3"; EXCEPT ON THE APPROACH END, THE FIRST POST WILL BE 25 FEET FROM THE TERMINAL ANCHOR POST AND THE NEXT TWO POSTS SPACED AT 12'-6" WITH A MINIMUM OF 8 POSTS ADJACENT TO STRUCTURES SPACED AT 3'-1/8", UNLESS OTHERWISE NOTED.
10. THE ROADWAY CROWN SECTION SHALL BE WIDENED TO ACCOMMODATE GUARD FENCE AND MOWING STRIP.
11. PROVIDE 4 ADDITIONAL SHOP OR FIELD DRILLED HOLES IN END OF METAL BEAM RAIL FOR ATTACHMENT TO TERMINAL ANCHOR POST. METAL BEAM RAILS MAY BE BOLTED TO ANGLE AT TERMINAL ANCHOR AND THE TWO ASSEMBLIES POSITIONED TO PROPER ALIGNMENT PRIOR TO PLACING CONCRETE AROUND W8X18 POSTS.
12. METAL BEAM RAILS SHALL BE GALVANIZED BY THE HOT DIP PROCESS AND SHALL CONTAIN NOT LESS THAN 2 OZ./PER SQUARE FOOT OF GALVANIZATION IN ACCORDANCE WITH ASTM A653 OR A123. RAIL COMPONENT PARTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123. ALL PARTS SHALL BE GIVEN A CHROMATE DIP AFTER GALVANIZATION TO GIVE THE RAIL A SHINY APPEALING LOOK.
13. UNLESS OTHERWISE SHOWN IN DRAWINGS, METAL BEAM GUARD FENCE PLACED IN THE VICINITY OF CURBS SHALL BE BOLDED OUT SO THAT THE FACE OF CURB IS LOCATED DIRECTLY BELOW. RAIL PLACED OVER CURBS SHALL BE INSTALLED SO THAT THE POST BOLT IS LOCATED APPROXIMATELY 21 INCHES ABOVE THE GUTTER PAN OR ROADWAY SURFACE.
14. ALL METAL BEAM RAIL, TERMINAL ANCHOR SECTIONS AND TERMINAL SECTIONS SHALL BE A MINIMUM OF GAUGE 10.

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |



FOR INTERIM REVIEW ONLY

DOCUMENT INCOMPLETE:
NOT INTENDED FOR CONSTRUCTION
BIDDING, OR PERMIT PURPOSES

ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: / /

| | |
|----------------|--|
| PROJECT TITLE: | |
|----------------|--|

SHEET DESCRIPTION:
METAL BEAM GUARD FENCE DETAILS (2 OF 2)

| | |
|-------------|----|
| DRAWN BY: | |
| JOZ | |
| CHECKED BY: | SO |
| DDG | |

| | |
|----|-------------------|
| | CIVIL
STANDARD |
| 2) | MBGF |

| | |
|-----------|----------|
| DATE: | 10/10/23 |
| SHEET NO: | 1 |

100% SUBMITTAL



6/4/2026

[illegible]

TRILOGY ENGINEERING SERVICES
238 WESTCOTT STREET
HOUSTON, TEXAS 77007
PH: 877.463.1699
TX FIRM NO: 17715



ADAMS FLAT ROAD RECONSTRUCTION
FM 359 TO WILSON ROAD
METAL BEAM GUARD FENCE DETAILS
SHEET (2 OF 2)

DN

| | | | | | |
|--------|------|--------|-------|------------|-----------|
| DN: | CONT | SECT | JOB | ROAD | |
| CK DN: | | | 23301 | ADAMS FLAT | |
| DW: | DIST | COUNTY | | | SHEET NO. |
| CK DW: | | WALLER | | | 128 |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVDS88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEP) | | WATER METER |
| | TELEPHONE MANHOLE | | PULL BOX |
| | LIGHT POLE | | MAILBOX |
| | FIRE HYDRANT | | PECAN TREE |
| | POWER POLE | | BUSH (AS LABELED) |
| | POST | | OAK TREE |
| | BOLLARD | | PINE TREE |
| | GATE POST | | CREPE MYRTLE TREE |
| | FOC MARKER | | HACKBERRY TREE |
| | L.C. = LOW CHORD | | TREE (TYP.) |
| | BUILDING STRUCTURE | | ELM TREE |
| | HOGWIRE FENCE | | TALLOW TREE |
| | EDGE OF ASPHALT | | |
| | HIGH BANK | | |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | REVISION_TEXT | DATE | INIT |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET. DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--|
| TELEPHONE COMMUNICATIONS | |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KGI TECHNOLOGIES) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KGI TECHNOLOGIES) | |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KGI TECHNOLOGIES) | |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | </ |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET. DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEO) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|----|
| TELEPHONE COMMUNICATIONS
(LOCATED BY KCI TECHNOLOGIES) | T |
| ELECTRIC TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS 811 ONE CALL) | E |
| ELECTRIC TONE MARK
UNKNOWN PROVIDER
(LOCATED BY KCI TECHNOLOGIES) | E |
| FIBER OPTIC CABLE TONE MARK
CONSOLIDATED COMMUNICATIONS
(LOCATED BY TEXAS 811 ONE CALL) | FB |
| FIBER OPTIC CABLE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY KCI TECHNOLOGIES) | FB |
| WATER LINE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS 811 ONE CALL) | W |
| GAS LINE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS 811 ONE CALL) | G |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | REVISION_TEXT | DATE | INIT |

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT NO. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'s 48473C00275E, AND 48473C00350E DATED FEBRUARY 15, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'s 48473C00275E, AND 48473C00350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

| | | | |
|---|-----------------------|---|--------------------|
| | CONTROL POINT | | QUIY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | DATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | | | CREPE MYRTLE TREE |
| | | | HACKBERRY TREE |
| | | | TREE (TYP.) |
| | | | ELM TREE |
| | | | TALLOW TREE |

L.C. = LOW CHORD

BUILDING STRUCTURE

HOGWIRE FENCE

EDGE OF ASPHALT

HIGH BANK

GAS LINE

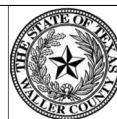
BARBED WIRE FENCE

FENCE (AS LABELED)

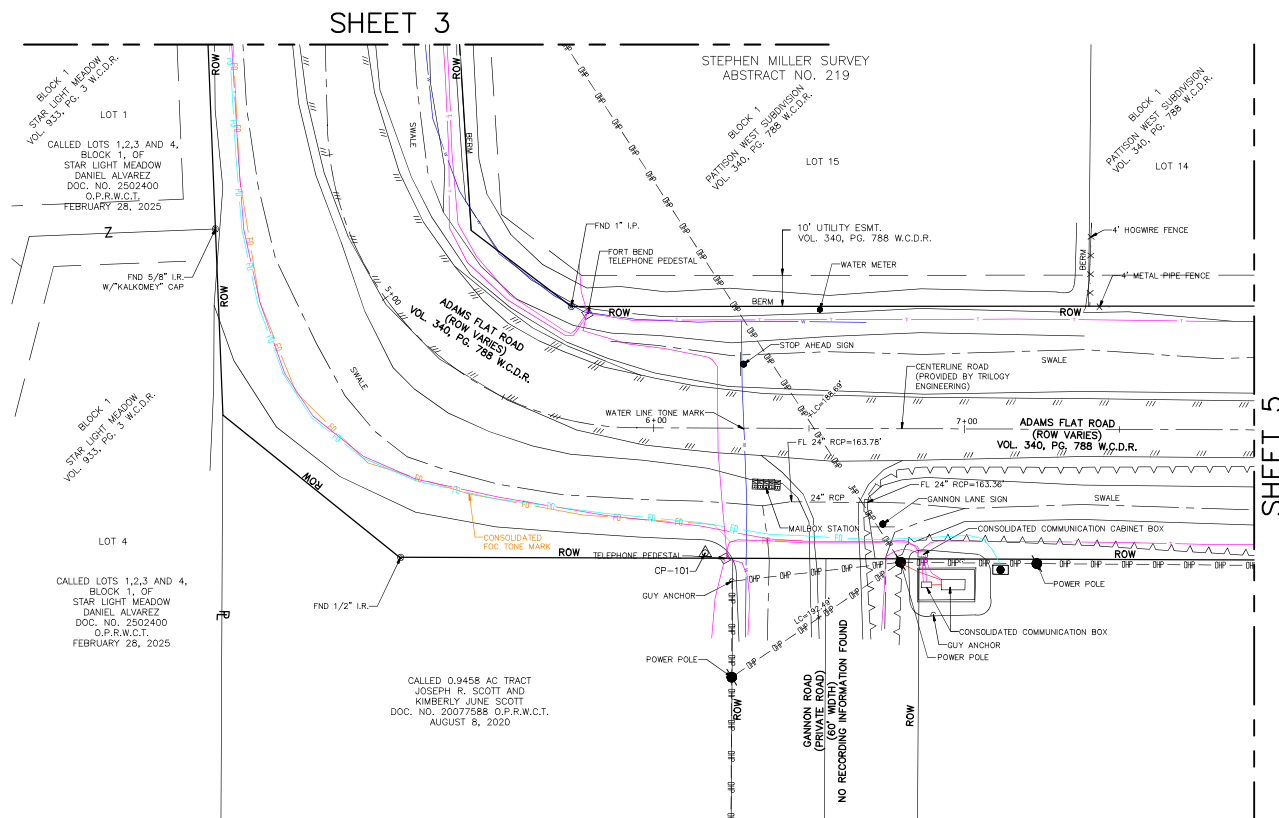
OVERHEAD POWER LINE

| UTILITY CHART | |
|--|-------|
| TELEPHONE COMMUNICATIONS
APPARENTLY
CONSOLIDATED COMMUNICATIONS
(LOCATED BY KQI TECHNOLOGIES) | T |
| ELECTRIC TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS #11 ONE CALL) | E |
| ELECTRIC TONE MARK
UNKNOWN PROVIDER
(LOCATED BY KQI TECHNOLOGIES) | E |
| FIBER OPTIC CABLE TONE MARK
CONSOLIDATED COMMUNICATIONS
(LOCATED BY TEXAS #11 ONE CALL) | FB FB |
| FIBER OPTIC CABLE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY KQI TECHNOLOGIES) | FB FB |
| WATER LINE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS #11 ONE CALL) | W |
| GAS LINE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS #11 ONE CALL) | G |

WALLER COUNTY
ENGINEERING DEPARTMENT



| | | | | |
|--------------------|--------|--|--------|-------------------|
| PROJECT TITLE: | | WALLER COUNTY - MOBILITY PROJECT | | CIVIL
STANDARD |
| SHEET DESCRIPTION: | | 23301 ADAMS FLAT ROAD
TOPOGRAPHIC MAP | | |
| DRAWN BY: | JCB | DATE: | 7/7/20 | |
| CKD BY: | SCALE: | 1"=20' | | SHEET NO.:
132 |



TBM "A" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF F.M. HIGHWAY 359 AND ADAMS FLAT ROAD. ELEVATION = 173.00'

TBM "B" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED APPROXIMATELY 23' NORTHWEST FROM THE SOUTH CORNER OF THE INTERSECTION OF ADAMS FLAT ROAD AND MICKLITZ ROAD. POWER POLE IS LOCATED ON THE SOUTH LINE OF MICKLITZ ROAD. ELEVATION = 173.91'

TBM "C" - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE. POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD.
ELEVATION = 154.93'

TBM "D" - - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 250' NORTH FROM THE INTERSECTION OF ADAMS FLAT ROAD AND WILSON ROAD. POWER POLE IS LOCATED ON THE WEST LINE OF ADAMS FLAT ROAD.
ELEVATION = 155.49'

THIS SURVEY SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS MANUAL OF PRACTICE REQUIREMENTS FOR A CATEGORY 6, CONDITION 2, TOPOGRAPHIC SURVEY.



DATED: 07-09-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEP) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | GAS LINE | | TALLOW TREE |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--|
| TELEPHONE COMMUNICATIONS | |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | REVISION_TEXT | DATE | INIT |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEO) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | REVISION_TEXT | DATE | INIT |

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | WATER METER |
| | TELEPHONE MANHOLE | | PULL BOX |
| | LIGHT POLE | | MAILBOX |
| | FIRE HYDRANT | | PECAN TREE |
| | POWER POLE | | ROSE BUSH |
| | POST | | OAK TREE |
| | BOLLARD | | PINE TREE |
| | GATE POST | | CREPE MYRTLE TREE |
| | FOC MARKER | | HACKBERRY TREE |
| | L.C. = LOW CHORD | | TREE (TYP.) |
| | BUILDING STRUCTURE | | ELM TREE |
| | HOGWIRE FENCE | | TALLOW TREE |
| | EDGE OF ASPHALT | | |
| | HIGH BANK | | |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--|
| TELEPHONE COMMUNICATIONS | |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |
| 436 | | | |
| 437 | | | |
| 438 | | | |
| 439 | | | |
| 440 | | | |
| 441 | | | |
| 442 | | | |
| 443 | | | |
| 444 | | | |
| 445 | | | |
| 446 | | | |
| 447 | | | |
| 448 | | | |
| 449 | | | |
| 450 | | | |
| 451 | | | |
| 452 | | | |
| 453 | | | |
| 454 | | | |
| 455 | | | |
| 456 | | | |
| 457 | | | |
| 458 | | | |
| 459 | | | |
| 460 | | | |
| 461 | | | |
| 462 | | | |
| 463 | | | |
| 464 | | | |
| 465 | | | |
| 466 | | | |
| 467 | | | |
| 468 | | | |
| 469 | | | |
| 470 | | | |
| 471 | | | |
| 472 | | | |
| 473 | | | |
| 474 | | | |
| 475 | | | |
| 476 | | | |
| 477 | | | |
| 478 | | | |
| 479 | | | |
| 480 | | | |
| 481 | | | |
| 482 | | | |
| 483 | | | |
| 484 | | | |
| 485 | | | |
| 486 | | | |
| 487 | | | |
| 488 | | | |
| 489 | | | |
| 490 | | | |
| 491 | | | |
| 492 | | | |
| 493 | | | |
| 494 | | | |
| 495 | | | |
| 496 | | | |
| 497 | | | |
| 498 | | | |
| 499 | | | |
| 500 | | | |
| 501 | | | |
| 502 | | | |
| 503 | | | |
| 504 | | | |
| 505 | | | |
| 506 | | | |
| 507 | | | |
| 508 | | | |
| 509 | | | |
| 510 | | | |
| 511 | | | |
| 512 | | | |
| 513 | | | |
| 514 | | | |
| 515 | | | |
| 516 | | | |
| 517 | | | |
| 518 | | | |
| 519 | | | |
| | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT NO. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL NO.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL NO.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

- | | |
|-----------------------|--------------------|
| CONTROL POINT | GUY ANCHOR |
| MONUMENT (AS LABELED) | TELEPHONE PEDESTAL |
| MANHOLE (SAN/SEW) | SIGN |
| TELEPHONE MANHOLE | WATER METER |
| LIGHT POLE | PULL BOX |
| FIRE HYDRANT | MAILBOX |
| POWER POLE | PECAN TREE |
| POST | BUSH (AS LABELED) |
| BOLLARD | CEDAR TREE |
| GATE POST | OAK TREE |
| FOC MARKER | PINE TREE |
| L.C. = LOW CHORD | CREPE MYRTLE TREE |
| | HACKBERRY TREE |
| | TREE (TYP.) |
| | ELM TREE |
| | TALLOW TREE |

- | | |
|---------------------------------|---------------------|
| - X - X - X - X - X - X - X - | BUILDING STRUCTURE |
| /// | HOGWIRE FENCE |
| — G — G — G — G — G — G — | EDGE OF ASPHALT |
| — G — G — G — G — G — G — | HIGH BANK |
| — X — X — X — X — X — X — | GAS LINE |
| — X — X — X — X — X — X — | BARBED WIRE FENCE |
| — X — X — X — X — X — X — | FENCE (AS LABELED) |
| — OF — OF — OF — OF — OF — OF — | OVERHEAD POWER LINE |

| UTILITY CHART | |
|---|----|
| TELEPHONE COMMUNICATIONS | T |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | E |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | E |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | FB |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | FB |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | W |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | G |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | REVISION_TEXT | DATE | INIT |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET. DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET. DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | |
|-------------------------------|---|---------------------|
| CONTROL POINT | C | GUY ANCHOR |
| MONUMENT (AS LABELED) | ⊙ | TELEPHONE PEDESTAL |
| MANHOLE (SAN/SEW) | ⊗ | SIGN |
| TELEPHONE MANHOLE | ⊕ | WATER METER |
| | ⊙ | PULL BOX |
| | ⊙ | MAILBOX |
| | ⊙ | PECAN TREE |
| | ⊙ | BUSH (AS LABELED) |
| | ⊙ | CEDAR TREE |
| | ⊙ | OAK TREE |
| | ⊙ | PINE TREE |
| | ⊙ | CREPE MYRTLE TREE |
| | ⊙ | HACKBERRY TREE |
| | ⊙ | TREE (TYP.) |
| | ⊙ | ELM TREE |
| | ⊙ | TALLOW TREE |
| L.C. = LOW CHORD | | |
| - X - X - X - X - X - X - X - | | BUILDING STRUCTURE |
| - - - - - | | HOGWIRE FENCE |
| - - - - - | | EDGE OF ASPHALT |
| - - - - - | | HIGH BANK |
| - - - - - | | GAS LINE |
| - - - - - | | BARBED WIRE FENCE |
| - - - - - | | FENCE (AS LABELED) |
| - - - - - | | OVERHEAD POWER LINE |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |
| 436 | | | |
| 437 | | | |
| 438 | | | |
| 439 | | | |
| 440 | | | |
| 441 | | | |
| 442 | | | |
| 443 | | | |
| 444 | | | |
| 445 | | | |
| 446 | | | |
| 447 | | | |
| 448 | | | |
| 449 | | | |
| 450 | | | |
| 451 | | | |
| 452 | | | |
| 453 | | | |
| 454 | | | |
| 455 | | | |
| 456 | | | |
| 457 | | | |
| 458 | | | |
| 459 | | | |
| 460 | | | |
| 461 | | | |
| 462 | | | |
| 463 | | | |
| 464 | | | |
| 465 | | | |
| 466 | | | |
| 467 | | | |
| 468 | | | |
| 469 | | | |
| 470 | | | |
| 471 | | | |
| 472 | | | |
| 473 | | | |
| 474 | | | |
| 475 | | | |
| 476 | | | |
| 477 | | | |
| 478 | | | |
| 479 | | | |
| 480 | | | |
| 481 | | | |
| 482 | | | |
| 483 | | | |
| 484 | | | |
| 485 | | | |
| 486 | | | |
| 487 | | | |
| 488 | | | |
| 489 | | | |
| 490 | | | |
| 491 | | | |
| 492 | | | |
| 493 | | | |
| 494 | | | |
| 495 | | | |
| 496 | | | |
| 497 | | | |
| 498 | | | |
| 499 | | | |
| 500 | | | |
| 501 | | | |
| 502 | | | |
| 503 | | | |
| 504 | | | |
| 505 | | | |
| 506 | | | |
| 507 | | | |
| 508 | | | |
| 509 | | | |
| 510 | | | |
| 511 | | | |
| 512 | | | |
| 513 | | | |
| 514 | | | |
| 515 | | | |
| 516 | | | |
| 517 | | | |
| 518 | | | |
| 519 | | | |
| | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT NO. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL NO.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL NO.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEO) | | WATER METER |
| | TELEPHONE MANHOLE | | PULL BOX |
| | LIGHT POLE | | MAILBOX |
| | FIRE HYDRANT | | PECAN TREE |
| | POWER POLE | | BUSH (AS LABELED) |
| | POST | | CEDAR TREE |
| | BOLLARD | | OAK TREE |
| | GATE POST | | PINE TREE |
| | FOC MARKER | | CREPE MYRTLE TREE |
| | L.C. = LOW CHORD | | HACKBERRY TREE |
| | BUILDING STRUCTURE | | TREE (TYP.) |
| | HOGWIRE FENCE | | ELM TREE |
| | EDGE OF ASPHALT | | TALLOW TREE |
| | HIGH BANK | | |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|----|
| TELEPHONE COMMUNICATIONS | T |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | E |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | E |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | FB |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | FB |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | W |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | G |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |
| 436 | | | |
| 437 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEO) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--|
| TELEPHONE COMMUNICATIONS | |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |
| 436 | | | |
| 437 | | | |
| 438 | | | |
| 439 | | | |
| 440 | | | |
| 441 | | | |
| 442 | | | |
| 443 | | | |
| 444 | | | |
| 445 | | | |
| 446 | | | |
| 447 | | | |
| 448 | | | |
| 449 | | | |
| 450 | | | |
| 451 | | | |
| 452 | | | |
| 453 | | | |
| 454 | | | |
| 455 | | | |
| 456 | | | |
| 457 | | | |
| 458 | | | |
| 459 | | | |
| 460 | | | |
| 461 | | | |
| 462 | | | |
| 463 | | | |
| 464 | | | |
| 465 | | | |
| 466 | | | |
| 467 | | | |
| 468 | | | |
| 469 | | | |
| 470 | | | |
| 471 | | | |
| 472 | | | |
| 473 | | | |
| 474 | | | |
| 475 | | | |
| 476 | | | |
| 477 | | | |
| 478 | | | |
| 479 | | | |
| 480 | | | |
| 481 | | | |
| 482 | | | |
| 483 | | | |
| 484 | | | |
| 485 | | | |
| 486 | | | |
| 487 | | | |
| 488 | | | |
| 489 | | | |
| 490 | | | |
| 491 | | | |
| 492 | | | |
| 493 | | | |
| 494 | | | |
| 495 | | | |
| 496 | | | |
| 497 | | | |
| 498 | | | |
| 499 | | | |
| 500 | | | |
| 501 | | | |
| 502 | | | |
| 503 | | | |
| 504 | | | |
| 505 | | | |
| 506 | | | |
| 507 | | | |
| 508 | | | |
| 509 | | | |
| 510 | | | |
| 511 | | | |
| 512 | | | |
| 513 | | | |
| 514 | | | |
| 515 | | | |
| 516 | | | |
| 517 | | | |
| 518 | | | |
| 519 | | | |
| | | | |

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT NO. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'s 48473C00275E, AND 48473C00350E DATED FEBRUARY 15, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'s 48473C00275E, AND 48473C00350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

| | | | |
|---|-----------------------|---|--------------------|
| | CONTROL POINT | | QUIY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | DATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | | | CREPE MYRTLE TREE |
| | | | HACKBERRY TREE |
| | | | TREE (TYP.) |
| | | | ELM TREE |
| | | | TALLOW TREE |

L.C. = LOW CHORD

BUILDING STRUCTURE

HOGWIRE FENCE

EDGE OF ASPHALT

HIGH BANK

GAS LINE

BARBED WIRE FENCE

FENCE (AS LABELED)

OVERHEAD POWER LINE

WILLIAM B. ELLIS SURVEY
ABSTRACT NO. 127

CALL 24.4240 AC TRACT
DI LANDHOLDINGS LLC
DOC. NO. 2213360 O.P.R.W.C.T.
OCTOBER 7, 2022

CALL 11.397 AC TRACT
KENNETH HOLDER AND
DARLA HOLDER
VOL. 838, PG. 880 W.C.D.R.
MAY 25, 2004

Scale in Feet
0' 20' 40'
1"=20' 22X34
1"=40' 11X17

4" HOGWIRE FENCE
FND 1/2" L.R.
ROW
SWALE
FL 15" STL=159.66'
FL 15" STL=159.65'
GATE POST
METAL PIPE GATE
GATE POST
ROW
FND 3/4" L.P.
CENTERLINE ROAD
(PROVIDED BY TRILGY
ENGINEERING)
SWALE
MAILBOX 6490
ADAMS FLAT ROAD
(ROW VARIES)
NO RECORDING INFORMATION FOUND
00+00
00+19
42+00
SWALE
GRAVEL DRIVEWAY
FL 15" RCP=162.29'
FL 15" RCP=162.33'
16" CREEP MYRTLE
W/ 20' DRIP LINE
RAIN CREEK RANCH DECORATIVE ROCK
GATE POST
WROUGHT IRON GATE
GATE POST
16" CREEP MYRTLE
W/ 20' DRIP LINE
FND 1/2" L.R.
ROW
4" BARBED WIRE FENCE
BLOW OFF VALVE
WATER VALVE SIGN
ROW
SHEET 12
SHEET 14

KIMBERLY SHAWN MARION
DOC. NO. 2402528 O.P.R.W.C.T.
OCTOBER 13, 2023

TBM "A" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF F.M. HIGHWAY 359 AND ADAMS FLAT ROAD. ELEVATION = 173.00'

TBM "B" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED APPROXIMATELY 23' NORTHWEST FROM THE SOUTH CORNER OF THE INTERSECTION OF ADAMS FLAT ROAD AND MICKLITZ ROAD. POWER POLE IS LOCATED ON THE SOUTH LINE OF MICKLITZ ROAD. ELEVATION = 173.91'

TBM "C" - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD. WOLF BRANCH LAKE, POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD.
ELEVATION = 154.93'

TBM "D" - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 250' NORTH FROM THE INTERSECTION OF ADAMS FLAT ROAD AND WILSON ROAD. POWER POLE IS LOCATED ON THE WEST LINE OF ADAMS FLAT ROAD.
ELEVATION = 155.49'

THIS SURVEY SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS MANUAL OF PRACTICE REQUIREMENTS FOR A CATEGORY 6, CONDITION 2, TOPOGRAPHIC SURVEY.



DATED: 07-09-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| # | REVISION_TEXT | DATE | INIT |

WALLER COUNTY
ENGINEERING DEPARTMENT



| | | | | |
|--------------------|--------|----------------------------------|--|-------------------|
| PROJECT TITLE: | | WALLER COUNTY - MOBILITY PROJECT | | CIVIL
STANDARD |
| | | 23301 ADAMS FLAT ROAD | | |
| SHEET DESCRIPTION: | | TOPOGRAPHIC MAP | | |
| DRAWN BY: | JCB | | | DATE: |
| CK'D BY: | SCALE: | 1"=20' | | 7/9/25 |
| | | | | SHEET NO: |
| | | | | 14 |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET. DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | |
|---------------------------|---------------------|
| CONTROL POINT | GUY ANCHOR |
| MONUMENT (AS LABELED) | TELEPHONE PEDESTAL |
| MANHOLE (SAN/SEW) | SIGN |
| TELEPHONE MANHOLE | WATER METER |
| | PULL BOX |
| | MAILBOX |
| | PECAN TREE |
| LIGHT POLE | BUSH (AS LABELED) |
| | CEDAR TREE |
| FIRE HYDRANT | OAK TREE |
| | PINE TREE |
| POWER POLE | CREPE MYRTLE TREE |
| POST | HACKBERRY TREE |
| BOLLARD | TREE (TYP.) |
| GATE POST | ELM TREE |
| FOC MARKER | TALLOW TREE |
| L.C. = LOW CHORD | |
| - X - X - X - X - X - X - | BUILDING STRUCTURE |
| /// | HOGWIRE FENCE |
| — G — G — G — G — | EDGE OF ASPHALT |
| — G — G — G — G — | HIGH BANK |
| — X — X — X — X — | GAS LINE |
| — X — X — X — X — | BARBED WIRE FENCE |
| — F — F — F — F — | FENCE (AS LABELED) |
| — OF — OF — OF — OF — | OVERHEAD POWER LINE |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | REVISION_TEXT | DATE | INIT |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEO) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--|
| TELEPHONE COMMUNICATIONS
(LOCATED BY KCI TECHNOLOGIES) | |
| ELECTRIC TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS 811 ONE CALL) | |
| ELECTRIC TONE MARK
UNKNOWN PROVIDER
(LOCATED BY KCI TECHNOLOGIES) | |
| FIBER OPTIC CABLE TONE MARK
CONSOLIDATED COMMUNICATIONS
(LOCATED BY TEXAS 811 ONE CALL) | |
| FIBER OPTIC CABLE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY KCI TECHNOLOGIES) | |
| WATER LINE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS 811 ONE CALL) | |
| GAS LINE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS 811 ONE CALL) | |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | REVISION_TEXT | DATE | INIT |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT NO. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET. DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | WATER METER |
| | TELEPHONE MANHOLE | | PULL BOX |
| | LIGHT POLE | | MAILBOX |
| | FIRE HYDRANT | | PECAN TREE |
| | POWER POLE | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--|
| TELEPHONE COMMUNICATIONS | |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEP) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--|
| TELEPHONE COMMUNICATIONS
(LOCATED BY KCI TECHNOLOGIES) | |
| APPARENTLY
CONSOLIDATED COMMUNICATIONS
(LOCATED BY KCI TECHNOLOGIES) | |
| ELECTRIC TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS 811 ONE CALL) | |
| ELECTRIC TONE MARK
UNKNOWN PROVIDER
(LOCATED BY KCI TECHNOLOGIES) | |
| FIBER OPTIC CABLE TONE MARK
CONSOLIDATED COMMUNICATIONS
(LOCATED BY TEXAS 811 ONE CALL) | |
| FIBER OPTIC CABLE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY KCI TECHNOLOGIES) | |
| WATER LINE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS 811 ONE CALL) | |
| GAS LINE TONE MARK
UNKNOWN PROVIDER
(LOCATED BY TEXAS 811 ONE CALL) | |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | REVISION_TEXT | DATE | INIT |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET. DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | |
|---------------------------------|---|---------------------|
| CONTROL POINT | C | GUY ANCHOR |
| MONUMENT (AS LABELED) | ⊙ | TELEPHONE PEDESTAL |
| MANHOLE (SAN/SEW) | ⊙ | SIGN |
| TELEPHONE MANHOLE | ⊙ | WATER METER |
| | ⊙ | PULL BOX |
| | ⊙ | MAILBOX |
| | ⊙ | PECAN TREE |
| | ⊙ | BUSH (AS LABELED) |
| | ⊙ | CEDAR TREE |
| | ⊙ | OAK TREE |
| | ⊙ | PINE TREE |
| | ⊙ | CREPE MYRTLE TREE |
| | ⊙ | HACKBERRY TREE |
| | ⊙ | TREE (TYP.) |
| | ⊙ | ELM TREE |
| | ⊙ | TALLOW TREE |
| L.C. = LOW CHORD | | |
| - X - X - X - X - X - X - X - | | BUILDING STRUCTURE |
| - / - / - / - / - / - / - / - | | HOGWIRE FENCE |
| - - - - - - - - - - - - - - - | | EDGE OF ASPHALT |
| - G - G - G - G - G - G - G - | | HIGH BANK |
| - X - X - X - X - X - X - X - | | GAS LINE |
| - \ - \ - \ - \ - \ - \ - \ - | | BARBED WIRE FENCE |
| - OF - OF - OF - OF - OF - OF - | | FENCE (AS LABELED) |
| | | OVERHEAD POWER LINE |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |
| 436 | | | |
| 437 | | | |
| 438 | | | |
| 439 | | | |
| 440 | | | |
| 441 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|------------------|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| L.C. = LOW CHORD | | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | WATER METER |
| | TELEPHONE MANHOLE | | PULL BOX |
| | LIGHT POLE | | MAILBOX |
| | FIRE HYDRANT | | PECAN TREE |
| | POWER POLE | | BUSH (AS LABELED) |
| | POST | | CEDAR TREE |
| | BOLLARD | | OAK TREE |
| | GATE POST | | PINE TREE |
| | FOC MARKER | | CREPE MYRTLE TREE |
| | L.C. = LOW CHORD | | HACKBERRY TREE |
| | BUILDING STRUCTURE | | TREE (TYP.) |
| | HOGWIRE FENCE | | ELM TREE |
| | EDGE OF ASPHALT | | TALLOW TREE |
| | HIGH BANK | | |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |
| 436 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

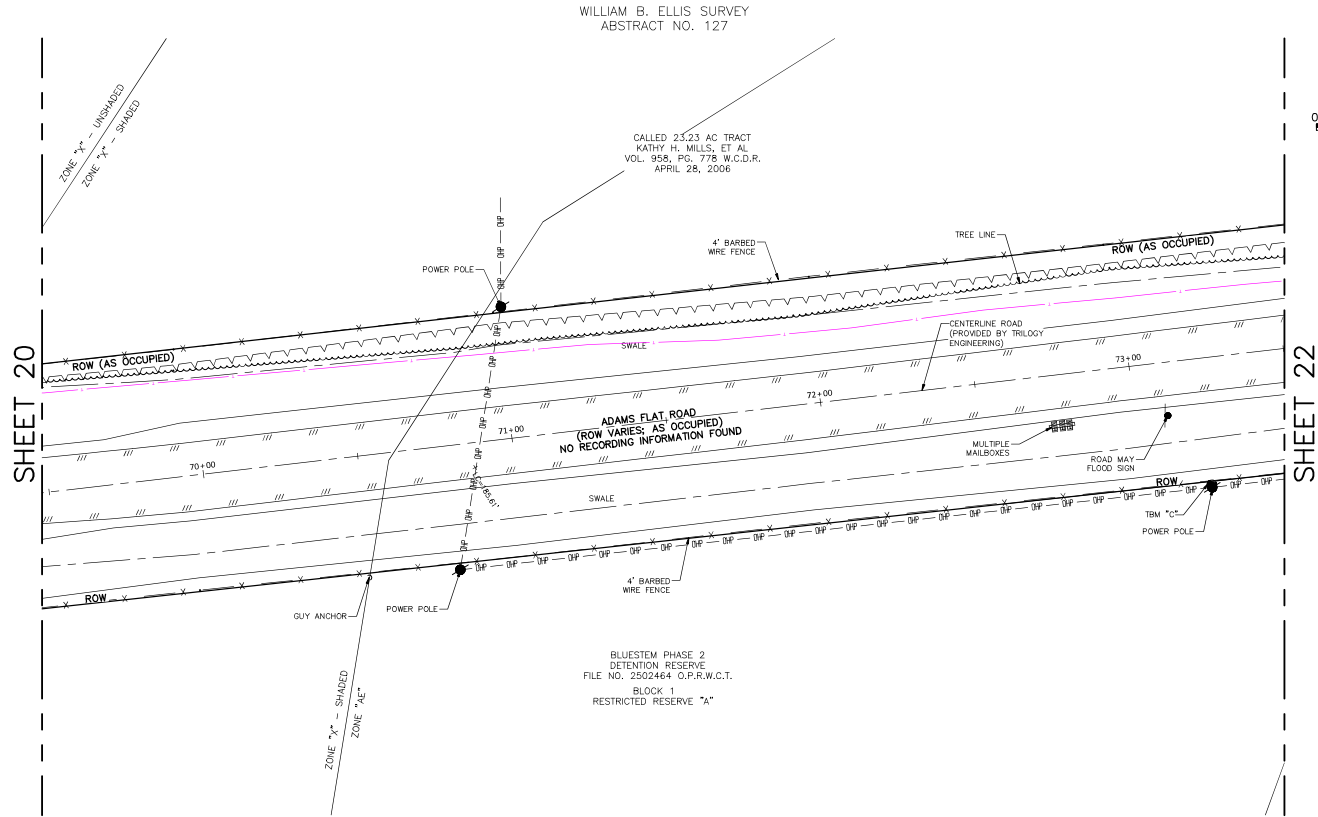
- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|----|
| TELEPHONE COMMUNICATIONS | |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | T |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | E |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | E |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | FB |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | FB |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | W |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | G |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | REVISION_TEXT | | INIT |



TEMPORARY BENCHMARK

TBM "A" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF F.M. HIGHWAY 359 AND ADAMS FLAT ROAD. ELEVATION = 173.00'

TBM "B" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED APPROXIMATELY 23' NORTHWEST FROM THE SOUTH CORNER OF THE INTERSECTION OF ADAMS FLAT ROAD AND MICKLITZ ROAD. POWER POLE IS LOCATED ON THE SOUTH LINE OF MICKLITZ ROAD. ELEVATION = 173.91'

TBM "C" - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE. POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD. ELEVATION = 154.93'

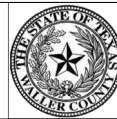
TBM "D" - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 250' NORTH FROM THE INTERSECTION OF ADAMS FLAT ROAD AND WILSON ROAD. POWER POLE IS LOCATED ON THE WEST LINE OF ADAMS FLAT ROAD. ELEVATION = 155.49'

THIS SURVEY SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS MANUAL OF PRACTICE REQUIREMENTS FOR A CATEGORY 6, CONDITION 2, TOPOGRAPHIC SURVEY.



DATED: 07-09-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

WALLER COUNTY
ENGINEERING DEPARTMENT



| | | | | |
|--------------------|--------|----------------------------------|--|-------------------|
| PROJECT TITLE: | | WALLER COUNTY – MOBILITY PROJECT | | CIVIL
STANDARD |
| | | 23301 ADAMS FLAT ROAD | | |
| SHEET DESCRIPTION: | | TOPOGRAPHIC MAP | | DATE:
7/9/25 |
| DRAWN BY: | JCB | | | |
| CK'D BY: | SCALE: | 1"=20' | | SHEET NO:
149 |

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT NO. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'s 48473C00275E, AND 48473C00350E DATED FEBRUARY 15, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'s 48473C00275E, AND 48473C00350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

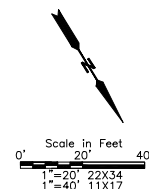
| | | | |
|---|-----------------------|---|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | | | CREPE MYRTLE TREE |
| | | | HACKBERRY TREE |
| | | | TREE (TYP.) |
| | | | ELM TREE |
| | | | TALLOW TREE |

L.C. = LOW CHORD

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| # | REVISION_TEXT | DATE | INIT |



TBM "D" - - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 250' NORTH FROM THE INTERSECTION OF ADAMS FLAT ROAD AND WILSON ROAD. POWER POLE IS LOCATED ON THE WEST LINE OF ADAMS FLAT ROAD.
ELEVATION = 155.49'

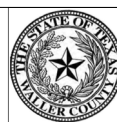


THIS SURVEY SUBSTANTIALLY COMPLIES WITH
THE CURRENT TEXAS SOCIETY OF
PROFESSIONAL SURVEYORS MANUAL OF
PRACTICE REQUIREMENTS FOR A CATEGORY 6,
CONDITION 2, TOPOGRAPHIC SURVEY.



DATED: 07-09-2025
JESUS F. SOSA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095

WALLER COUNTY
ENGINEERING DEPARTMENT



| | | | | |
|--------------------|--------|----------------------------------|--|-------------------|
| PROJECT TITLE: | | WALLER COUNTY — MOBILITY PROJECT | | CIVIL
STANDARD |
| | | 23301 ADAMS FLAT ROAD | | |
| SHEET DESCRIPTION: | | TOPOGRAPHIC MAP | | |
| DRAWN BY: | JCB | | | DATE:
7/9/25 |
| CK'D BY: | SCALE: | 1"=20' | | SHEET NO:
150 |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET. DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEO) | | WATER METER |
| | TELEPHONE MANHOLE | | PULL BOX |
| | LIGHT POLE | | MAILBOX |
| | FIRE HYDRANT | | PECAN TREE |
| | POWER POLE | | BUSH (AS LABELED) |
| | POST | | CEDAR TREE |
| | BOLLARD | | OAK TREE |
| | GATE POST | | PINE TREE |
| | FOC MARKER | | CREPE MYRTLE TREE |
| | L.C. = LOW CHORD | | HACKBERRY TREE |
| | BUILDING STRUCTURE | | TREE (TYP.) |
| | HOGWIRE FENCE | | ELM TREE |
| | EDGE OF ASPHALT | | TALLOW TREE |
| | HIGH BANK | | |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---------------------------------|---------------------------------|
| TELEPHONE COMMUNICATIONS | APPARENTLY |
| CONSOLIDATED COMMUNICATIONS | (LOCATED BY TEXAS 811 ONE CALL) |
| ELECTRIC TONE MARK | UNKNOWN PROVIDER |
| (LOCATED BY TEXAS 811 ONE CALL) | |
| ELECTRIC TONE MARK | UNKNOWN PROVIDER |
| (LOCATED BY KCI TECHNOLOGIES) | |
| FIBER OPTIC CABLE TONE MARK | CONSOLIDATED COMMUNICATIONS |
| (LOCATED BY TEXAS 811 ONE CALL) | |
| FIBER OPTIC CABLE TONE MARK | UNKNOWN PROVIDER |
| (LOCATED BY KCI TECHNOLOGIES) | |
| WATER LINE TONE MARK | UNKNOWN PROVIDER |
| (LOCATED BY TEXAS 811 ONE CALL) | |
| GAS LINE TONE MARK | UNKNOWN PROVIDER |
| (LOCATED BY TEXAS 811 ONE CALL) | |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD. HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET. DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEP) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| | |
|--|---------------------|
| | BUILDING STRUCTURE |
| | HOGWIRE FENCE |
| | EDGE OF ASPHALT |
| | HIGH BANK |
| | GAS LINE |
| | BARBED WIRE FENCE |
| | FENCE (AS LABELED) |
| | OVERHEAD POWER LINE |

| UTILITY CHART | |
|---|---|
| TELEPHONE COMMUNICATIONS | APPARENTLY |
| CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI ONE CALL) | TELEPHONE COMMUNICATIONS |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | REVISION_TEXT | DATE | INIT |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEW) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|------------------|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEP) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| L.C. = LOW CHORD | | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |
| 436 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

1. ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
2. ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT NO. A 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
4. ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
5. FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
6. MAPPING WAS COMPLETED IN JULY, 2025.
7. PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
8. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEP) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |
| 141 | | | |
| 142 | | | |
| 143 | | | |
| 144 | | | |
| 145 | | | |
| 146 | | | |
| 147 | | | |
| 148 | | | |
| 149 | | | |
| 150 | | | |
| 151 | | | |
| 152 | | | |
| 153 | | | |
| 154 | | | |
| 155 | | | |
| 156 | | | |
| 157 | | | |
| 158 | | | |
| 159 | | | |
| 160 | | | |
| 161 | | | |
| 162 | | | |
| 163 | | | |
| 164 | | | |
| 165 | | | |
| 166 | | | |
| 167 | | | |
| 168 | | | |
| 169 | | | |
| 170 | | | |
| 171 | | | |
| 172 | | | |
| 173 | | | |
| 174 | | | |
| 175 | | | |
| 176 | | | |
| 177 | | | |
| 178 | | | |
| 179 | | | |
| 180 | | | |
| 181 | | | |
| 182 | | | |
| 183 | | | |
| 184 | | | |
| 185 | | | |
| 186 | | | |
| 187 | | | |
| 188 | | | |
| 189 | | | |
| 190 | | | |
| 191 | | | |
| 192 | | | |
| 193 | | | |
| 194 | | | |
| 195 | | | |
| 196 | | | |
| 197 | | | |
| 198 | | | |
| 199 | | | |
| 200 | | | |
| 201 | | | |
| 202 | | | |
| 203 | | | |
| 204 | | | |
| 205 | | | |
| 206 | | | |
| 207 | | | |
| 208 | | | |
| 209 | | | |
| 210 | | | |
| 211 | | | |
| 212 | | | |
| 213 | | | |
| 214 | | | |
| 215 | | | |
| 216 | | | |
| 217 | | | |
| 218 | | | |
| 219 | | | |
| 220 | | | |
| 221 | | | |
| 222 | | | |
| 223 | | | |
| 224 | | | |
| 225 | | | |
| 226 | | | |
| 227 | | | |
| 228 | | | |
| 229 | | | |
| 230 | | | |
| 231 | | | |
| 232 | | | |
| 233 | | | |
| 234 | | | |
| 235 | | | |
| 236 | | | |
| 237 | | | |
| 238 | | | |
| 239 | | | |
| 240 | | | |
| 241 | | | |
| 242 | | | |
| 243 | | | |
| 244 | | | |
| 245 | | | |
| 246 | | | |
| 247 | | | |
| 248 | | | |
| 249 | | | |
| 250 | | | |
| 251 | | | |
| 252 | | | |
| 253 | | | |
| 254 | | | |
| 255 | | | |
| 256 | | | |
| 257 | | | |
| 258 | | | |
| 259 | | | |
| 260 | | | |
| 261 | | | |
| 262 | | | |
| 263 | | | |
| 264 | | | |
| 265 | | | |
| 266 | | | |
| 267 | | | |
| 268 | | | |
| 269 | | | |
| 270 | | | |
| 271 | | | |
| 272 | | | |
| 273 | | | |
| 274 | | | |
| 275 | | | |
| 276 | | | |
| 277 | | | |
| 278 | | | |
| 279 | | | |
| 280 | | | |
| 281 | | | |
| 282 | | | |
| 283 | | | |
| 284 | | | |
| 285 | | | |
| 286 | | | |
| 287 | | | |
| 288 | | | |
| 289 | | | |
| 290 | | | |
| 291 | | | |
| 292 | | | |
| 293 | | | |
| 294 | | | |
| 295 | | | |
| 296 | | | |
| 297 | | | |
| 298 | | | |
| 299 | | | |
| 300 | | | |
| 301 | | | |
| 302 | | | |
| 303 | | | |
| 304 | | | |
| 305 | | | |
| 306 | | | |
| 307 | | | |
| 308 | | | |
| 309 | | | |
| 310 | | | |
| 311 | | | |
| 312 | | | |
| 313 | | | |
| 314 | | | |
| 315 | | | |
| 316 | | | |
| 317 | | | |
| 318 | | | |
| 319 | | | |
| 320 | | | |
| 321 | | | |
| 322 | | | |
| 323 | | | |
| 324 | | | |
| 325 | | | |
| 326 | | | |
| 327 | | | |
| 328 | | | |
| 329 | | | |
| 330 | | | |
| 331 | | | |
| 332 | | | |
| 333 | | | |
| 334 | | | |
| 335 | | | |
| 336 | | | |
| 337 | | | |
| 338 | | | |
| 339 | | | |
| 340 | | | |
| 341 | | | |
| 342 | | | |
| 343 | | | |
| 344 | | | |
| 345 | | | |
| 346 | | | |
| 347 | | | |
| 348 | | | |
| 349 | | | |
| 350 | | | |
| 351 | | | |
| 352 | | | |
| 353 | | | |
| 354 | | | |
| 355 | | | |
| 356 | | | |
| 357 | | | |
| 358 | | | |
| 359 | | | |
| 360 | | | |
| 361 | | | |
| 362 | | | |
| 363 | | | |
| 364 | | | |
| 365 | | | |
| 366 | | | |
| 367 | | | |
| 368 | | | |
| 369 | | | |
| 370 | | | |
| 371 | | | |
| 372 | | | |
| 373 | | | |
| 374 | | | |
| 375 | | | |
| 376 | | | |
| 377 | | | |
| 378 | | | |
| 379 | | | |
| 380 | | | |
| 381 | | | |
| 382 | | | |
| 383 | | | |
| 384 | | | |
| 385 | | | |
| 386 | | | |
| 387 | | | |
| 388 | | | |
| 389 | | | |
| 390 | | | |
| 391 | | | |
| 392 | | | |
| 393 | | | |
| 394 | | | |
| 395 | | | |
| 396 | | | |
| 397 | | | |
| 398 | | | |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | | | |
| 403 | | | |
| 404 | | | |
| 405 | | | |
| 406 | | | |
| 407 | | | |
| 408 | | | |
| 409 | | | |
| 410 | | | |
| 411 | | | |
| 412 | | | |
| 413 | | | |
| 414 | | | |
| 415 | | | |
| 416 | | | |
| 417 | | | |
| 418 | | | |
| 419 | | | |
| 420 | | | |
| 421 | | | |
| 422 | | | |
| 423 | | | |
| 424 | | | |
| 425 | | | |
| 426 | | | |
| 427 | | | |
| 428 | | | |
| 429 | | | |
| 430 | | | |
| 431 | | | |
| 432 | | | |
| 433 | | | |
| 434 | | | |
| 435 | | | |

R:\PROJECTS\2025\25-017 TRILOGY ENGINEERING SERVICES, LLC\WA 01 23301 ADAMS FLAT ROAD\SURVEY\DWG\JULIO\TOPO\ADAMS FLAT ROAD_TOPOGRAPHIC MAP.dwg

NOTES

- ALL BEARINGS AND COORDINATES ARE BASED ON THE TEXAS STATE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010. THE HORIZONTAL DATA COLLECTION FOR CONTROLS WAS WITH GPS AND CONVENTIONAL METHODS.
- ALL ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE VERTICAL DATA COLLECTION FOR CONTROLS WAS WITH DIGITAL LEVELING AND GPS TECHNIQUES.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) MONUMENT No. 1026 BEING A BRASS DISK ON CONCRETE LOCATED ON THE WEST SIDE OF FM 362 ROAD AT APPROXIMATELY 85 FEET SOUTH OF THE INTERSECTION WITH FM 529 ROAD, HAVING A PUBLISHED ELEVATION OF 203.60 FEET.
- ALL COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SURFACE COMBINED ADJUSTMENT FACTOR OF 1.00013
- FIELD SURVEY WAS PERFORMED IN JUNE, 2025 THROUGH JULY, 2025.
- MAPPING WAS COMPLETED IN JULY, 2025.
- PORTIONS OF THE PROJECT FALL IN ZONE "X" - UNSHADED, ZONE "X" - SHADED, ZONE "AE" AND ZONE "AE" FLOODWAYS AS SHOWN ON THE FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E DATED FEBRUARY 18, 2009. ALL FEMA BOUNDARY LINES SCALED BY FEMA FIRM PANEL No.'S 48473C0275E, AND 48473C0350E.
- THIS SURVEY DOES NOT PROVIDE ANY DETERMINATIONS OR LOCATIONS OF WETLANDS, FAULT LINES, TOXIC WASTE, OR OTHER ENVIRONMENTAL ISSUES.

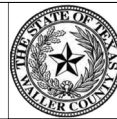
LEGEND

| | | | |
|--|-----------------------|--|--------------------|
| | CONTROL POINT | | GUY ANCHOR |
| | MONUMENT (AS LABELED) | | TELEPHONE PEDESTAL |
| | MANHOLE (SAN/SEO) | | SIGN |
| | TELEPHONE MANHOLE | | WATER METER |
| | LIGHT POLE | | PULL BOX |
| | FIRE HYDRANT | | MAILBOX |
| | POWER POLE | | PECAN TREE |
| | POST | | BUSH (AS LABELED) |
| | BOLLARD | | CEDAR TREE |
| | GATE POST | | OAK TREE |
| | FOC MARKER | | PINE TREE |
| | L.C. = LOW CHORD | | CREPE MYRTLE TREE |
| | BUILDING STRUCTURE | | HACKBERRY TREE |
| | HOGWIRE FENCE | | TREE (TYP.) |
| | EDGE OF ASPHALT | | ELM TREE |
| | HIGH BANK | | TALLOW TREE |
| | GAS LINE | | |
| | BARBED WIRE FENCE | | |
| | FENCE (AS LABELED) | | |
| | OVERHEAD POWER LINE | | |

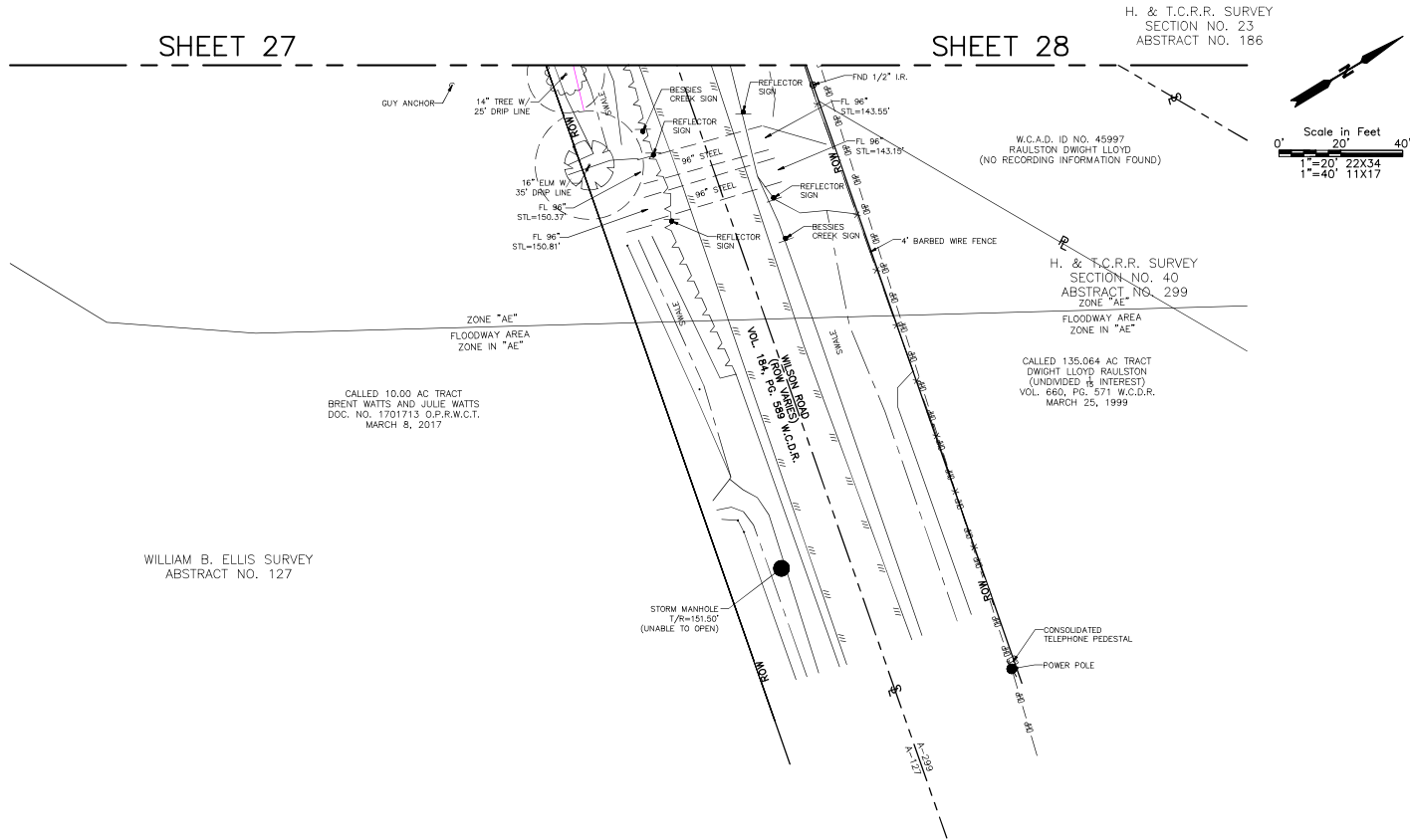
| UTILITY CHART | |
|---|--------|
| TELEPHONE COMMUNICATIONS | — T — |
| APPARENTLY CONSOLIDATED COMMUNICATIONS (LOCATED BY KCI TECHNOLOGIES) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — E — |
| ELECTRIC TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — E — |
| FIBER OPTIC CABLE TONE MARK CONSOLIDATED COMMUNICATIONS (LOCATED BY TEXAS 811 ONE CALL) | — FB — |
| FIBER OPTIC CABLE TONE MARK UNKNOWN PROVIDER (LOCATED BY KCI TECHNOLOGIES) | — FB — |
| WATER LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — W — |
| GAS LINE TONE MARK UNKNOWN PROVIDER (LOCATED BY TEXAS 811 ONE CALL) | — G — |

| NO. | REVISIONS | DATE | NAME |
|-----|---------------|------|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | REVISION_TEXT | DATE | INIT |

WALLER COUNTY ENGINEERING DEPARTMENT



| | | | | |
|--------------------|--------|----------------------------------|--|-------------------|
| PROJECT TITLE: | | WALLER COUNTY – MOBILITY PROJECT | | CIVIL
STANDARD |
| | | 23301 ADAMS FLAT ROAD | | |
| SHEET DESCRIPTION: | | TOPOGRAPHIC MAP | | DATE:
7/9/25 |
| DRAWN BY: | | JCB | | |
| CK'D BY: | SCALE: | 1"=20' | | SHEET NO:
157 |



TEMPORARY BENCHMARK

TBM "A" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED ON THE SOUTH CORNER OF THE INTERSECTION OF F.M. HIGHWAY 359 AND ADAMS FLAT ROAD. ELEVATION = 173.00'

TBM "B" - IS AN 80D NAIL ON THE NORTH FACE OF A WOOD POWER POLE LOCATED APPROXIMATELY 23' NORTHWEST FROM THE SOUTH CORNER OF THE INTERSECTION OF ADAMS FLAT ROAD AND MICKLITZ ROAD. POWER POLE IS LOCATED ON THE SOUTH LINE OF MICKLITZ ROAD. ELEVATION = 173.91'

TBM "C" - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 360' SOUTHEAST FROM THE INTERSECTION OF ADAMS FLAT ROAD AND PRIVATE ROAD WOLF BRANCH LANE. POWER POLE IS LOCATED ON THE NORTH LINE OF ADAMS FLAT ROAD. ELEVATION = 154.93'

TBM "D" - IS AN 80D NAIL ON A POWER POLE LOCATED APPROXIMATELY 250' NORTH FROM THE INTERSECTION OF ADAMS FLAT ROAD AND WILSON ROAD. POWER POLE IS LOCATED ON THE WEST LINE OF ADAMS FLAT ROAD. ELEVATION = 155.49'

THIS SURVEY SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS MANUAL OF PRACTICE REQUIREMENTS FOR A CATEGORY 6, CONDITION 2, TOPOGRAPHIC SURVEY.



DATED: 07-09-2025
JESUS F. SOGA
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 6095