

WALLER COUNTY ENGINEER'S OFFICE

Luke Fortkamp, P.E.
Assistant County Engineer

SOP: Non-Residential Construction Inspections within the Platted ROW

1. Waller County must be invited to the Pre-Construction meeting scheduled by the Engineer of Record, prior to construction commencing.
2. Contractors shall notify Waller County Engineering Department **48 hours prior to commencing construction, and 48-hour notice is required for any construction activity within the limits of the County right-of-ways.**
3. All notifications are to be sent to EngineeringInspection@wallercounty.us All notifications are to be sent as an invitation to a calendar event and are to be specific as to the date & time, what is to be conducted, street names, and stations of work to be inspected.

Waller County - Mandatory Notifications for Inspections: The Waller County Engineering Department is to be notified of the following on-site activities. Waller County representatives may or may not attend these activities depending on availability. Notification must include Project ID Number, location, and time work is proposed, at least 48-hours in advance.

- Any Utility work conducted within the proposed Road Right-of-Way
- Any work requiring the closing of a lane per approved Waller County Traffic Control Plan
- All pipe installation
- All utility trenching, backfill, and compaction
- Trenching Density Testing
- Placement of pipe within the Platted ROW
- Sanitary and Storm Pressure and Mandrel Testing
- Roadway - All Densities/Gradations
- Roadway - All Lab testing
- Roadway - All Lime & Fly Ash
- Roadway - All Proof Rolls
- Roadway - All Rebar
- Roadway - All Concrete Pours

Mandatory Waller County Presence Inspections: The following inspections are required by Waller County. Any work listed below that has not been inspected is subject to rejection by the Waller County Engineer. 48-hour notice is required. All notifications are to be sent to EngineeringInspection@wallercounty.us

- **Pipe Installation where depth is greater than 15-ft to pipe invert within the County ROW or within the Platted ROW**
 - Waller County representative is required to be present for a passing pipe inspection at spring line.
- **Proof Roll Inspection:** Contractor is required to conduct an in-house proof roll **prior** to Waller County Proof Roll Inspection.
 - Waller County representative is required to be present for a passing proof roll prior to the installation of rebar or concrete.
 - 50,000lb tandem axle vehicle, or greater, per TxDOT guidelines, must be provided by the contractor for the proof roll.
- **Rebar Inspection**
 - Waller County representative is required to be present for a passing rebar inspection prior to concrete pour.
- **Substantial Completion Inspection**
 - A complete Final Acceptance Package is required prior to this inspection.
- **Final Acceptance Inspection**

Mandatory Documentation to Waller County: The following documentation is required by Waller County prior to substantial completion inspection. Any lab testing and reports must be submitted to the County Engineer within two weeks of the samples and/or tests being taken. Material tickets must be (concrete, c-sand, pipe, etc.) must be provided within two weeks of the material being placed on site. Monthly field reports shall be completed by the developer's inspector. All documentation shall to be sent to FieldReports@wallercounty.us. The final documentation package, including as-builts, road log, cores, and lab certification letter must be submitted with the request for the substantial completion inspection. Lab testing is required for the following:

- **Lime and Fly Ash**
 - Lime and Fly Ash must be tested every 500-ft, as needed.
- **Density Testing**
 - Roadway subgrade must be tested for passing density every 250-ft or less.
 - Roadway base must be tested for passing density every 250-ft or less.

- Trench back-fill, must be tested for passing density every 16-in (every other lift) of fill every 250-ft or less and/or at critical locations as deemed necessary by the inspection team.
- **Mandrel Testing of Polyurethane**
 - Passing Mandrel and/or pressure Testing of sanitary or storm sewer within the ROW must be completed prior to the substantial completion inspection.
- **On-Site Concrete Testing**
 - Slump, air, and temperature every 500-ft or less.
 - Compressive Breaks every 500-ft or less.
- **On-Site HMA Testing**
 - Density and temperature every 500-ft or less.

Final acceptance package must include the above passing lab tests as well as:

- **Proof Roll Inspection:** Developer's inspector is required track each passing Proof Roll Inspection as signed off on by the Waller County inspector. This documentation is required for the monthly report as well as the final roadway acceptance package at substantial completion.
- **Rebar Inspection:** Developer's inspector is required track each passing Rebar Inspection as signed off on by the Waller County inspector. This documentation is required for the monthly report as well as the final roadway acceptance package.
- **Road Log** – Required for final roadway acceptance package at substantial completion.
- **Cores/Test Holes** – Every 1,000-ft. Cores must be backfilled with an approved material. Required for final roadway acceptance package at substantial completion.
- **As-Builts** – Required for final roadway acceptance package at substantial completion.
- **Lab Certification Letter** – Required for final roadway acceptance package at substantial completion.
- **Request for Final Inspection** - Required for final roadway acceptance package at substantial completion.

Sincerely,

Luke Fortkamp, P.E.
Assistant Waller County Engineer