



July 22, 2022

Re: Conduit and Trench Inspection Specification

To Whom It May Concern,

GEUS Service Policy Section 4.4 requires that “Developer (owner, operator or builder) shall install all underground conduit, duct banks, transformer pads, primary switch enclosure pads, secondary pedestals and ground rods per GEUS specifications and design at developer’s expense.”

In many cases, GEUS has not been given the opportunity to inspect installations before backfilling of trenches.

Effective immediately, trenches must be left open until GEUS performs onsite inspection. Any deficiencies noted must be corrected prior to proceeding with trench closure. At the time of inspection, if GEUS communications conduit is not installed, the trench shall remain open until installation is completed by developer or GEUS. After inspection, Developer will be responsible for installation of warning tape, backfill, and compaction.

For efficiency, Developer has the option to install the 2” PVC Sch. 40 conduit for communication facilities at same time conduit for electric facilities are installed, according to GEUS specification for underground facilities. GEUS provides the 2” PVC Sch. 40 conduit and ¾” service conduit required for providing GEUS communication facilities free of charge. GEUS will reimburse labor for communications conduit installation at fair market rate determined by GEUS based on multiple vendor quotes. The current reimbursement rate is posted on the GEUS website at <https://www.geus.org/327/New-Construction-Housing-Development> under Technical Requirements and Specifications for Electrical Service.

Respectfully,

GEUS Engineering

Single Family - Underground			
Material	Developer	GEUS	Notes
Primary Conduit with pull string	Procure and Install	Inspect	
Secondary Conduit with pull string	Procure and Install	Inspect	
Service Conduit with pull string	Procure and Install	Inspect	
C&I Conduit	Contact GEUS Engineering	Procure and Inspect	GEUS or developer may install
Secondary Pedestals	Install	Procure and Inspect	
Single Phase Transformer Pads	Install	Procure and Inspect	
Ground Rods	Install	Procure and Inspect	
Transformers	N/A	Procure and Install	
Primary Cable	N/A	Procure and Install	
Secondary Cable	N/A	Procure and Install	
Service Cable	N/A	Procure and Install	

Multi-Family – Underground			
Material	Developer	GEUS	Notes
Primary Conduit with pull string	Procure and Install	Inspect	
Secondary Conduit with pull string	Procure and Install	Inspect	
Service Conduit with pull string	Procure and Install	Inspect	
C&I Conduit	Contact GEUS Engineering	Procure and Inspect	GEUS or developer may install
Secondary Pedestals	Install	Procure and Inspect	
Single Phase Transformer Pads	Install	Procure and Inspect	
Three Phase Transformer Pads	Procure and Install	Inspect Transformer Pad forms before concrete is poured	Transformer pad specifications available online at www.geus.org
Ground Rods	Install	Procure and Inspect	
Transformers	N/A	Procure and Install	
Primary Cable	N/A	Procure and Install	
Secondary and Service Cable	Procure and Install	N/A	Point of Delivery will be designated by GEUS during design.

If Multi-Family electric distribution facilities are installed according to GEUS design. GEUS may accept ownership of installation to GEUS designated Point of Delivery. GEUS will then maintain up to designated Point of Delivery.

Commercial – Underground			
<u>Material</u>	<u>Developer</u>	<u>GEUS</u>	<u>Notes</u>
Primary Conduit with pull string	Procure and Install	Inspect	
Secondary Conduit	Procure and Install	Inspect	
C&I Conduit	Contact GEUS Engineering	Procure and Inspect	
Secondary Pedestals	Install	Procure and Inspect	
Single Phase Transformer Pads	Install	Procure and Inspect	
Three Phase Transformer Pads	Procure and Install	Inspect Transformer Pad forms before concrete is poured	Transformer pad specifications available online at www.geus.org
Ground Rods	Install	Procure and Inspect	
Transformers	N/A	Procure and Install	
Primary Cable	N/A	Procure and Install	
Secondary Cable	Procure and Install	N/A	Point of Delivery will be designated by GEUS during design.

Streetlights			
<u>Material</u>	<u>Developer</u>	<u>GEUS</u>	<u>Notes</u>
Pole	N/A	Procure and Install	
Fixture	N/A	Procure and Install	
Foundation w/ conduit and anchor bolts	Procure and Install per GEUS Specifications	Furnish Anchor Bolts and Inspect	Locations will be determined by City of Greenville Public Works department.

A Material Release form will be provided for Developers to pick up single-phase transformer pads, streetlight anchor bolts, 2" PVC conduit and fittings, ground rods, and pedestals from the GEUS Warehouse. The Material Release form must be filled in accurately for material to be released.

Engineering Technical drawings and installation guidelines can be found at www.geus.org by following the path: Utilities-> Electricity -> Engineering Technical Drawings.

GEUS will provide overhead service to service mast weatherhead conductors for all types of service were overhead service is permitted.