

ROADWAY BULLETIN



NCDOT Construction Unit

Current Issues: Trenchless Install of Utilities

Numerous issues were identified with the 2012 specifications trenchless pay items for “in soil” and “not in soil”. Primary issues include a lack of a clear definition of each, the practicality of switching cutter heads every time soil conditions change, and inappropriate bid prices by bidders gambling they would not encounter rock. It was agreed that it would be much simpler to have one pay item; however, the additional risk to the Contractor would likely result in excessively high bid prices. The compromise reached was, that to mitigate the risk, NCDOT may include additional subsurface information to the bidders.

1. Current Issues – TI Utilities
2. Contract Admin
3. DI Fittings
4. Utility Controls

Tasks for Contract Administrators:

NC General Statute §89C requires that the Department’s highway construction plans be signed and sealed by a NC licensed Professional Engineer. The information provided for the Trenchless Installation does not constitute a complete design; therefore, the **contractor is responsible for submitting a complete (signed and sealed) design** to the Engineer before work can begin. You should find this note on Utility Construction Plans. Discuss this requirement at the Preconstruction Conference.

Upcoming Training:

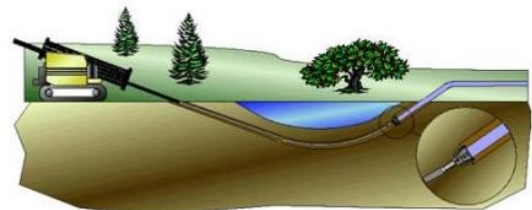
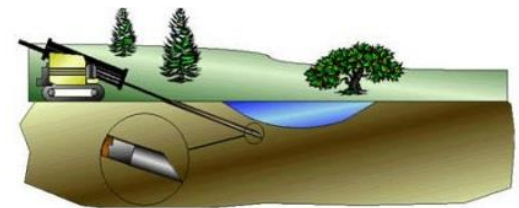
- Division 1: Mar 7&8, 2018
- Division 2: Mar 5&6, 2018
- Division 3&4: Feb 27, 2018
- Division 5: Mar 27&28, 2018
- Division 6: Feb 28 & Mar 1, 2018
- Division 7: Feb 21
- Division 8: Mar 12&13, 2018
- Division 9: Feb 20, 21, 22, 2018
- Division 13: Mar 20, 2018
- Division 14: Mar 8, 2018

Have a suggestion for future bulletins?

If you have any questions or recommendations click the email link below and submit it.

[Email](#)

NOTE:
 PRIOR TO COMMENCING ANY WORK ON ANY TRENCHLESS INSTALLATION ON THIS PROJECT, PROVIDE A DESIGN FOR THE TRENCHLESS INSTALLATION CERTIFIED BY AN ENGINEER LICENSED BY THE STATE OF NORTH CAROLINA, AS REQUIRED BY SUBARTICLE 1550-3(B) OF THE STANDARD SPECIFICATIONS.



Ductile Iron Fittings Update

Ductile Iron Fittings for both water and sewer lines will now be paid for by the pound.

The quantity of Ductile Iron Water Pipe Fittings will be measured and paid per pound based on the published weights for ductile iron fittings, exclusive of the weights of any accessories, as listed in the "[DI Fittings Weight Chart](#)" located on the Utilities Unit web site.

If the Contractor elects to use compact ductile iron water pipe fittings, measurement will be based on the weight of standard size ductile iron water pipe fittings. Any fitting not listed will be measured based on the published weights for ductile iron fittings listed in ANSI/AWWA C-110/A21.10. This is limited to pressure pipe 4 inches or larger.

Specifications Updates

This bulletin provides some information for 3 of the major updates to **Division 15, Utility Construction**, of the Standard Specifications. For other updates to Division 15, visit the [Utilities Section Website](#).

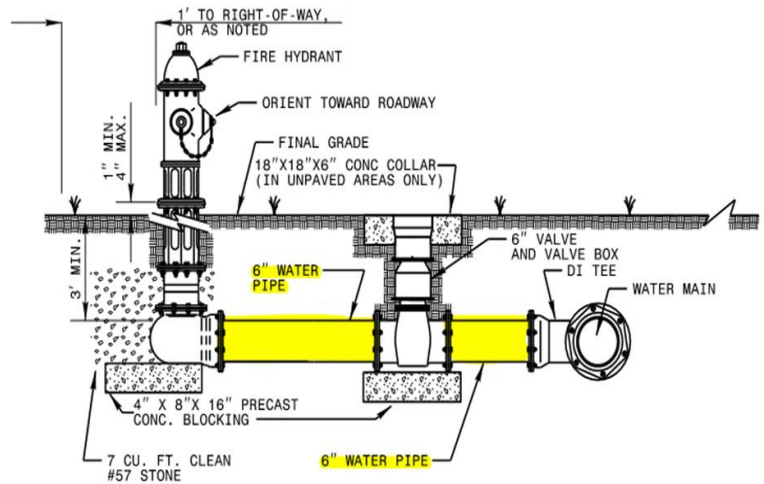
[2018 Standard Specifications for Roads and Structures](#)

Information provided in this bulletin is courtesy of the NCDOT Utilities Section

Section 1515 Update

A separate pay item for Fire Hydrant Leg has been added to Section 1515 of the Specifications. This new pay item compensates the contractor for the 6" water line necessary to place the fire hydrant into operation. This is different from other 6" Water Line and will likely have a higher bid price due to installation requirements.

Existing hydrants do not always have an existing or properly functioning valve. This revision compensates the Contractor for the cost of the valve, **if needed**, when relocating a fire hydrant. Valves will also be paid for on proposed Fire Hydrant. The pay item is the same as that used on the water line, 6" Valve.



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Eastern Region

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RBCE	Aaron Earwood
Division	Area Engineer
1&2	Randy Hall
3&4	David Candela
5	Troy Brooks
6&8	John Partin

Western Region

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7	Aaron Griffith
9	Vickie Davis
10	Darin Waller
11&12	Brian Skeens
13&14	Aaron Powell