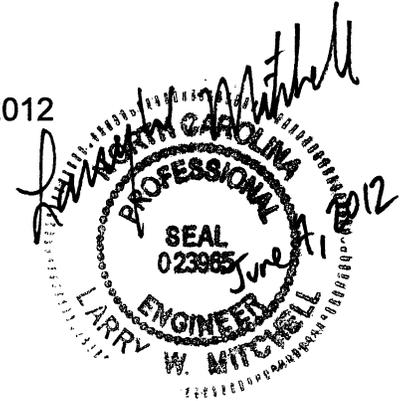


County: Iredell
Project: I-3819A
Addendum, June 7, 2012



PROJECT SPECIAL PROVISIONS
Utility Construction

I. GENERAL CONSTRUCTION REQUIREMENTS:

Specifications:

The proposed utility construction shall meet the applicable requirements of the NC Department of Transportation's "Standard Specifications for Roads and Structures" dated January 2012, and the details as shown on the plans, as outlined in the following provisions, or as directed by the Engineer.

Owner and Owner's Requirements:

The existing water and sewer utilities are owned by The City of Statesville. The Contractor shall provide access for the owners' representatives to all phases of construction. The owners shall be notified two weeks prior to commencement of any work and one week prior to service interruption. Only authorized personnel of the owners shall operate valves in the existing water distribution or sewer collection systems.

Concrete Pipeline Support:

Concrete Pipeline Support and appurtenances shall be located and constructed as indicated on plans. Concrete shall be 3,000 psi compression strength, pipe saddle to be compressible material and supports to be formed to provide protection for the pipe being crossed.

Trenchless Installation by Bore and Jack under Paved Roadways:

Trenchless installation by Bore and Jack under Paved Roadways shall be as indicated on City of Statesville Standard Detail S-1, dated May 2010. Where carrier pipe is 30-inch nominal inside diameter, casing pipe under roadway shall be minimum 41-inch nominal inside diameter. Carrier pipe shall be ductile iron restrained joint pipe.

New 6-8-12

117-A

II. MEASUREMENT AND PAYMENT:

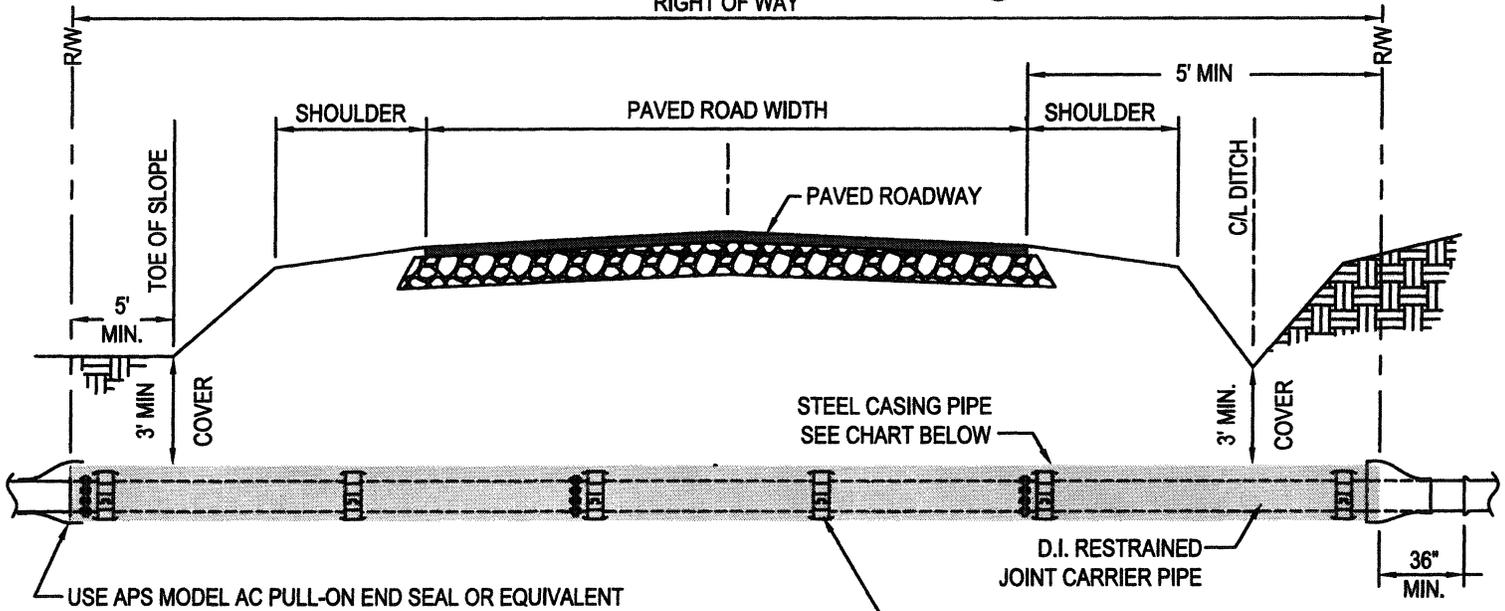
Concrete Pipeline Support: will be measured and paid for per each pipeline support installed. Measurement will be made based upon support detail considering a 30-inch pipe crossing over an 8-inch pipe. Payment will be inclusive of all work, materials, and equipment to include, but not limited to, #57 stone, concrete and pipe saddle material.

Trenchless Installation by Bore and Jack under Paved Roadways: will be measured and paid for per lineal foot of bore and jack. Payment will be inclusive of all work, materials, and equipment to complete the trenchless installation under paved roadway.

New 6-8-12

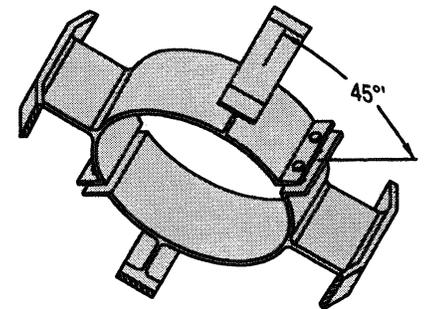
117-B

RIGHT OF WAY



OPTIONAL: COMPLETELY GROUT ENDS OF CASING PIPE.
ADD A WEEP HOLE ON LOW SIDE FOR DRAINAGE.

CARRIER PIPE		CASING PIPE			
		RAILROAD		HIGHWAY	
NOMINAL DIAMETER	OUTSIDE DIAMETER	OUTSIDE DIAMETER	WALL THICKNESS	OUTSIDE DIAMETER	WALL THICKNESS
6" & SMALLER	6.90"	12-3/4"	0.188"	12-3/4"	0.250"
8"	9.05"	16"	0.250"	16"	0.250"
10"	11.10"	20"	0.281"	20"	0.250"
12"	13.20"	24"	0.344"	24"	0.250"
14"	15.30"	28"	0.406"	28"	0.312"
16"	17.40"	30"	0.406"	30"	0.312"
20"	21.60"	42"	0.563"	42"	0.312"
24"	25.80"	42"	0.563"	42"	0.312"



SPIDER

NOTES:

1. ALL ROAD CROSSINGS SHALL BE AS CLOSE TO PERPENDICULAR WITH THE ROADWAY AS POSSIBLE OR AS DIRECTED BY THE CITY ENGINEER.
2. ALL SEWER PIPE FROM MANHOLE TO MANHOLE AT HIGHWAY CROSSINGS SHALL BE DUCTILE IRON.
3. INSTALLATION OF CASING SHALL BE DRY BORE AND JACK.
4. STEEL CASING PIPE SHOULD BE GRADE B STEEL WITH A MINIMUM COMPRESSIVE STRENGTH OF 35,000 PSI IN ACCORDANCE WITH ASTM A139 AND A283.
5. CARRIER PIPE IS TO BE D.I.P. RESTRAINED JOINT.
6. GREASE ENCASMENT AS REQUIRED FOR EASE OF INSTALLATION.
7. HOT DIP GALVANIZE ALL STEEL ASSEMBLY PARTS AFTER FABRICATION.
8. CADMIUM PLATE ALL NUTS & BOLTS.



CITY OF STATESVILLE
PUBLIC WORKS DEPARTMENT

SANITARY SEWER
Bore Under Paved Roadways

DETAIL #	REVISED
S-1	MAY 2010
SCALE:	SHEET #
N.T.S.	1 OF 1

December 1, 2011

PROJECT: I-3819A
COUNTY: Iredell

PROJECT SPECIAL PROVISIONS
Utilities

UTILITY CONFLICTS:

General:

The following utility companies have facilities that will conflict with the construction of this project:

- A. City of Statesville (Electrical)
- B. Duke Energy (Distribution)
- C. Duke Energy (Transmission)
- D. EnergyUnited
- E. AT&T (Bellsouth)
- F. Time Warner
- G. Public Service (PSNC)

The conflicting facilities of these concerns will be adjusted prior to the date of availability, unless otherwise noted and are therefore listed in these special provisions for the benefit of the Contractor. All utility work listed herein will be done by the utility owners. All utilities are shown on the plans from the best available information.

The Contractor's attention is directed to Article 105-8 of the Standard Specifications.

Utilities requiring Adjustment:

- A. City of Statesville (Electrical)
 - 1. See "Utilities by Others Plans" for utility conflicts and new pole locations.
 - 2. Installation of new power facilities will not be completed before roadway construction begins. Along Radio Road (Y1) the new power line will be installed and the existing poles removed within 4 months after the Contractor completes water line work. All other pole conflicts will be cleared by September 28, 2012.
 - 3. AT&T and Time Warner will attach to the new poles.
 - 4. Contact person for the City of Statesville is Mr. Perry Windsor and he can be reached at 704-761-2372.

B. Duke Energy (Distribution)

1. See "Utilities by Others Plans" for utility conflicts and new pole locations.
2. Installation of new power facilities will not be completed before roadway construction begins. Duke Energy's new facilities shall be installed and existing poles removed within 5 months after Contractor completes the installation of the 24" water main in the northwest quadrant of the interchange. All other pole conflicts will be cleared by October 30, 2012.
3. Contact person for Duke Energy (Distribution) is Mr. Steve Ferrell and he can be reached at 704-382-7380.

C. Duke Energy (Transmission)

1. See "Utilities by Others Plans" for utility conflicts and new pole locations.
2. Installation of temporary transmission line will be completed by May 30, 2012. Once the structure is completed along Y8, Duke Energy will install its permanent facilities in its existing easement and then remove the temporary line. The permanent line will be installed at the direction of the resident engineer. It will take Duke 5 months to install the permanent line and removed the temporary line once given permission from the resident engineer to begin this work.
3. Contact person for Duke Energy (Transmission) is Ms. Trey Riggins and she can be reached at 704-382-7729.

D. EnergyUnited (Electrical)

1. See "Utilities by Others Plans" for utility conflicts and new pole locations. Installation of new power facilities will not be completed before roadway construction begins. EnergyUnited will be attaching to 15 of Duke Energy's poles in the northeast quadrant of the interchange after Duke has completed its work. EnergyUnited will complete its work within 2 months after Duke Energy is finished and then remove the existing poles in the southwest quadrant of the interchange.
2. Contact person for EnergyUnited is Mr. Jerry Harkey and he can be reached at 704-878-5124.

E. AT&T (Bellsouth)

1. See "Utility by Others Plans" for existing and proposed utility locations.
2. AT&T will attach to the City's new poles along Radio Road, Gaither Road and US 21. It will take AT&T two (2) months to complete their work at

the above locations once the City and Time Warner is finished. AT&T will also attach to Duke Energy's poles along Glenway Drive, US 21 and Sunset Hill Road. Work will not be completed before roadway construction begins. It will take AT&T 6 weeks to complete their work once Duke is finished. Attachments to the City's poles along Radio Road and crossing I-40 cannot be completed until the new water line is installed and the City and Time Warner have completed their work. After completion of the aerial attachments the existing buried cables will be abandoned.

3. Contact person for AT&T is Mr. Steve Mode and he can be reached at 704-617-6525.

F. Time Warner

1. Time Warner will abandon the buried cables along Gaither Road after attaching to the City of Statesville's new poles in that area. Time Warner will complete its work along Gaither Road prior to the contract availability date. Also, Time Warner will attach to the City's new poles along Radio Road and US 21. Once the City has completed its work along Radio Road, the resident engineer will notify Time Warner to begin its work. It will take 4 weeks for this work to be completed once notification is given to proceed.
2. All work cannot be completed until the water line along Radio Road has been installed and the City has completed its work along Y1 and crossing I-40.
3. Contact person for Time Warner is Mr. Kevin Davis and he can be reached at 704-378-2856.

G. Public Service (PSNC)

1. Public Service gas lines will remain in place and be adjusted where required. Public Service has installed a new gas main crossing I-40 west of Radio Road as shown on the plans. Along Glenway Drive, PSNC will relocate its 4" gas main as shown on the plans. This work will be completed by June 15, 2012.
2. The 3" gas main along US 21 under the bridge is abandoned.
3. Contact person for Public Service is Mr. Sam Whittington and he can be reached at 704-574-2378.