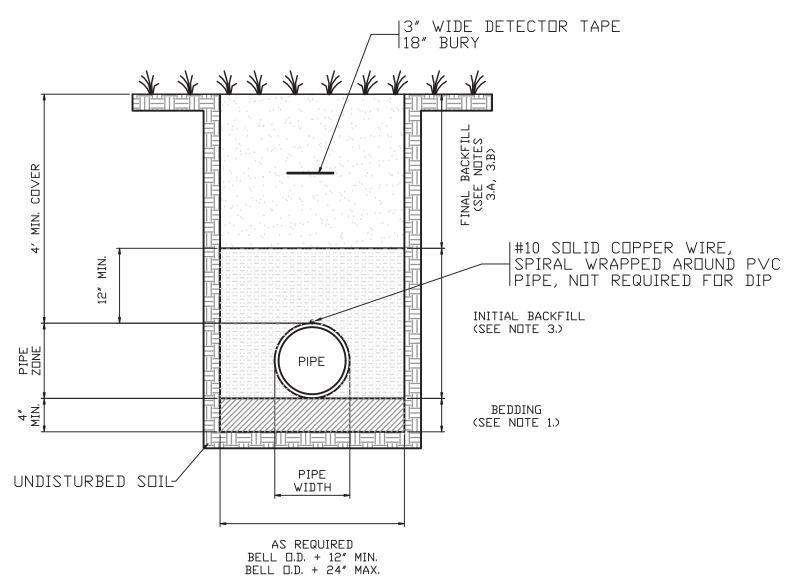
PROJECT TYPICAL DETAILS

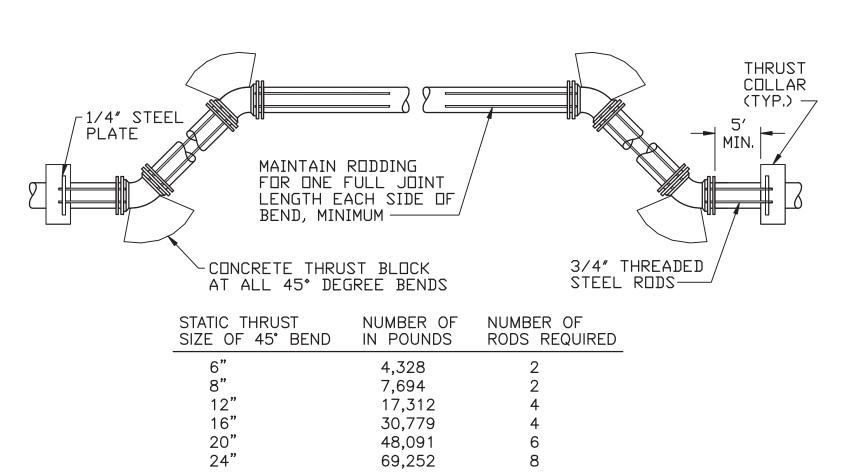
TOWN OF CARTHAGE



FORCE MAIN TRENCH DETAILS TYPE 3 LAYING CONDITIONS N.T.S.

NOTES:

- 1. LAYING CONDITIONS AS PER AWWA C600 AND C605 STANDARDS.
- 2. BEDDING MATERIAL SHALL BE 4" MINIMUM THICKNESS, LOOSE SOIL (DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH), FREE FROM ROCKS AND SHALL PROVIDE UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE. COMPACT TO 95% MAXIMUM DENSITY.
- 3. INITIAL BACKFILL SHALL BE LIGHTLY CONSOLIDATED IN MAXIMUM 6" LOOSE LIFTS, COMPACTED TO 95% OF MAXIMUM DENSITY.
- 3. UNDER AREAS TO BE SEEDED OR SODDED, COMPACT SUCCEEDING LAYERS OF FINAL BACKFILL IN 12" LOOSE LIFTS TO 85% MAXIMUM DENSITY.
- 3. UNDER STRUCTURES, PAVEMENTS AND ROAD SHOULDERS, COMPACT SUCCEEDING LAYERS OF FINAL BACKFILL IN 6" LOOSE LIFTS TO 95% MAXIMUM DENSITY EXCEPT COMPACT TOP 12" OF SUBGRADE TO 98% MAXIMUM DENSITY.
- 4. PROVIDE #10 SOLID COPPER WIRE IN SUFFICIENT LENGTH TO BE CONTINUOUS OVER EACH SEPARATE RUN OF ÄLL BURIED PVC PIPING. AT VALVE BOXES, BRING WIRE TO WITHIN 6 IN. OF TOP OF BOX AND INSERT INTO BOX THROUGH DRILLED HOLE. NOT REQUIRED FOR DUCTILE IRON PIPE.
- 5. INSTALL 3' WIDE DETECTOR TAPE AT 18" DEPTH. TAPE SHALL HAVE MIDDLE FOIL LAYER.



NOTES:

- 1. ONCE INSTALLED AND TIGHT, THE STEEL RODS AND BOLTS SHALL RECIEVE 2 COATS OF BITUMINOUS MATERIAL OR SHALL BE GALVANIZED.
- 2. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT BENDS.

VERTICAL BENDS

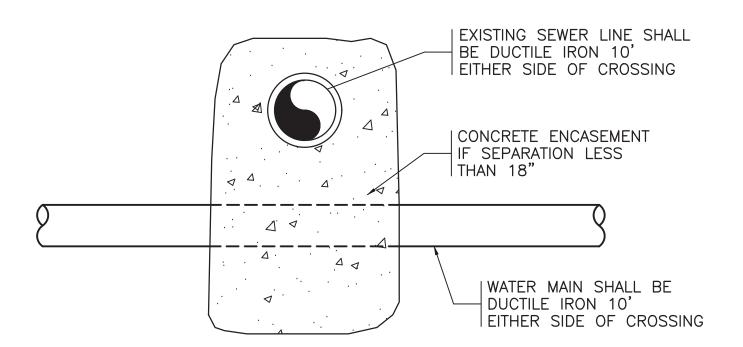


PROJECT REFERENCE NO.	SHEET NO.
BR-0035	UC-3F
DESIGNED BY: MAL	
DRAWN BY: BCS	HILLIAND CARO
CHECKED BY: MAL	FESSION . T
APPROVED BY:	SEAL
REVISED:	Gocusignes 18286 Mask A Lacy
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	4440 905 GOODE FARENCE
UTILITIES ENGINEERING SEC	6/16/20
PHONE: (919) 707-6690	UTILITY CONSTRUCTION

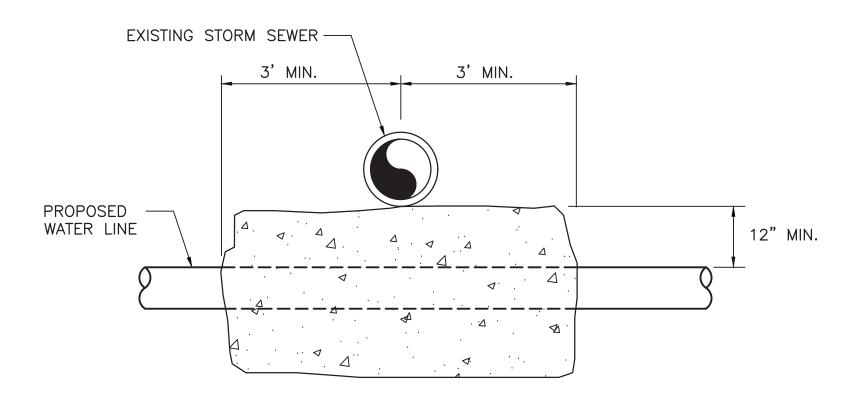
FAX: (919) 250-4151 PLANS ONLY

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



SEWER AND WATER CROSSING



STORM SEWER CROSSING

12" CONC. ENCASEMENT ALL AROUND PROPOSED WATER LINE AND POURED TO THE BOTTOM OF THE EXISTING PIPE.