PROJECT TYPICAL DETAILS

TOWN OF CARTHAGE

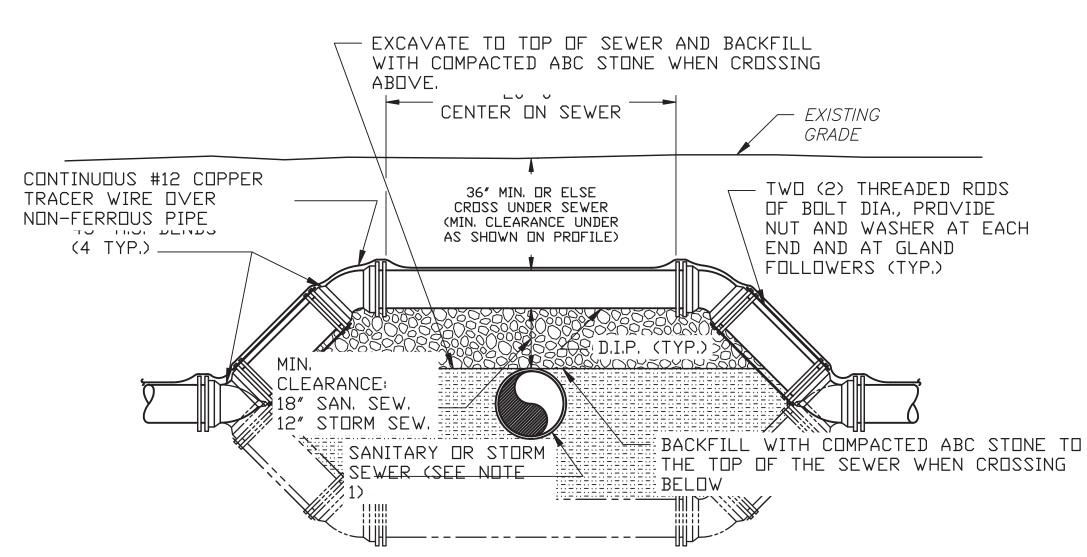


PROJECT REFERENCE NO. SHEET NO. UC-3E **BR-0035** DESIGNED BY: MAL DRAWN BY: **BCS** CHECKED BY: MAL APPROVED BY: SEAL REVISED: ocusig **056286** NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC

PHONE: (919) 707-6690 UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

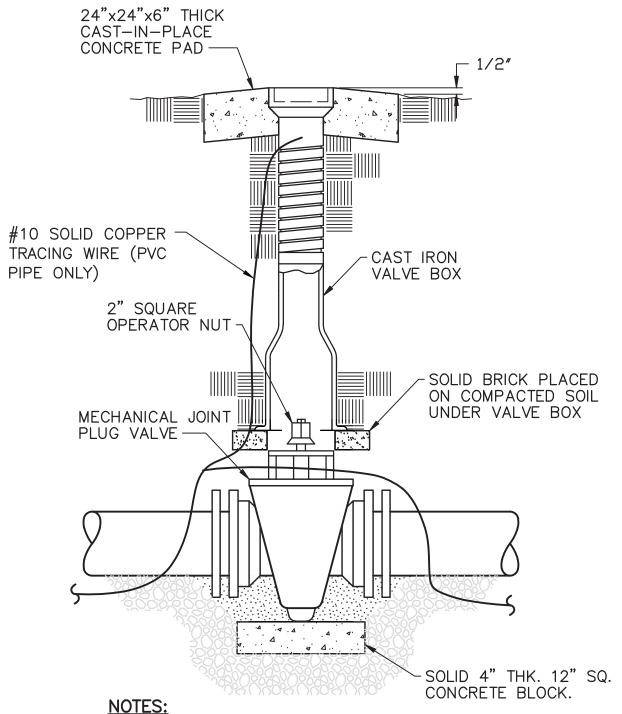
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NOTES:

- 1. WHEN IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER, BOTH THE WATER MAIN AND THE SEWER SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. A SECTION OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.
- 2. ALLOWABLE PIPE AND/OR JOINT DEFLECTIONS MAY BE USED IN LIEU OF BENDS TO ACHIEVE REQUIRED CLEARANCE OVER OR UNDER SEWER.

SANITARY AND STORM SEWER CROSSING DETAIL



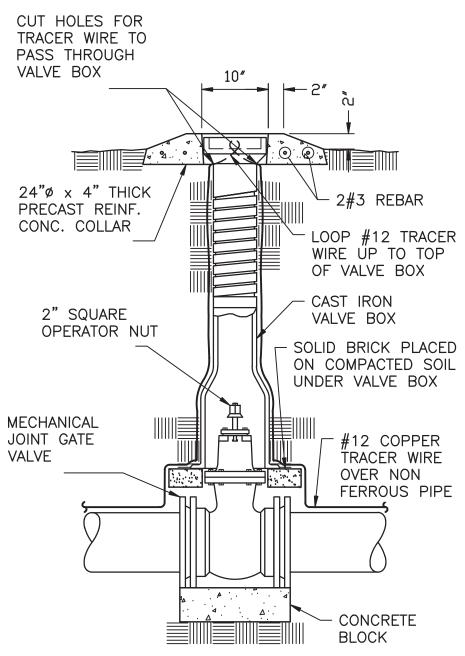
1. PLACE PLUG VALVES ON 4" CONCRETE BLOCK.

2. WHERE PVC PIPE IS BEING INSTALLED, 6 IN. OF COMPACTED #57 STONE MAY BE USED IN LIEU OF THE 4" CONCRETE BLOCK.

3. MAXIMUM SPACING FOR SEWER FORCE MAIN ISOLATION VALVES IS 1,000 LF.

PLUG VALVE ASSEMBLY

N.T.S.



NOTE:
SEPARATION FROM ADJACENT FITTINGS SHOWN ON PLANS
AND PROFILES IS FOR CLARITY. ACTUAL SEPARATION MAY
BE ADJUSTED TO FIT LAYING CONDITIONS.

GATE VALVE ASSEMBLY