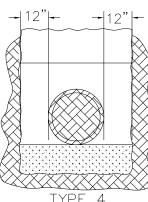
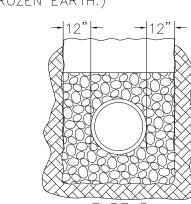


PIPE BEDDED IN 4" MINIMUM LOOSE SOIL WITH BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE (LOOSE SOIL IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCK, ORGANIC MATERIAL, FOREIGN MATERIALS AND FROZEN EARTH.)



PIPE BEDDED IN SAND, GRAVEL, OR CRUSHED STONE TO A DEPTH OF 1/8 PIPE DIAMETER, 4" MINIMUM WITH BACKFILL COMPACTED TO TOP OF PIPE. (APPROXIMATELY 80 PERCENT STANDARD PROCTOR, AASHTO T-99)

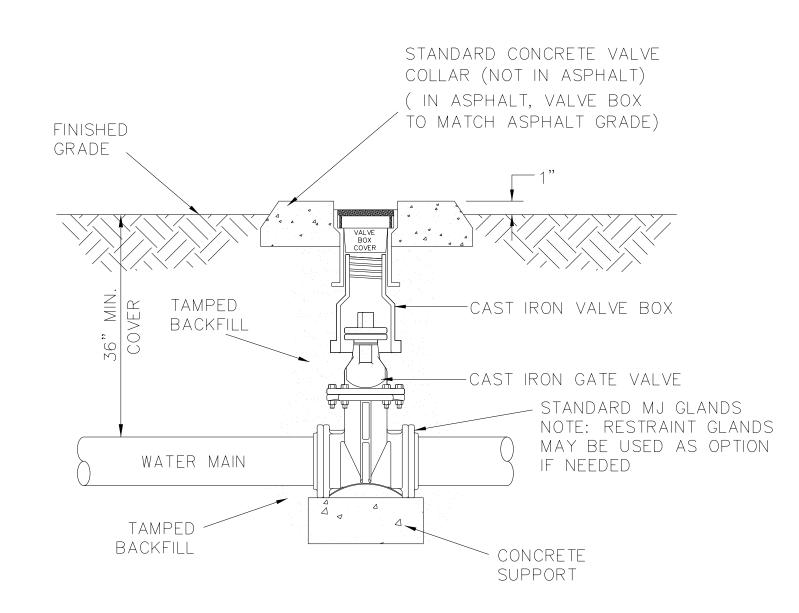


PIPE BEDDED TO IT'S CENTERLINE IN COMPACTED GRANULAR MATERIAL, 4" MINIMUM UNDER PIPE. COMPACTED GRANULAR OR SELECT MATERIAL TO TOP OF PIPE (APPROXIMATELY 90 PERCENT STANDARD PROCTOR, AASTO T-99) (SELECT MATERIAL IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, ORGANIC MATERIAL, FOREIGN MATERIALS AND FROZEN EARTH)

- 1. FOR NORMAL PIPE SIZES 14 INCH AND LARGER, CONSIDERATION SHOULD BE GIVEN TO THE USE OF LAYING CONDITIONS OTHER THAN TYPE 1.
- 2. CONSIDERATION OF THE PIPE-ZONE EMBEDMENT CONDITIONS INCLUDED IN THIS FIGURE MAY BE INFLUENCED BY FACTORS OTHER THAN PIPE STRENGTH. FOR ADDITIONAL INFORMATION ON PIPE BEDDING AND BACKFILL, SEE ANSI/AWWA C600.

WATER MAIN EMBEDMENT DETAILS

NOT TO SCALE



INLINE VALVE DETAIL NOT TO SCALE

PLACE TRACER WIRE BOX AT INTERVALS WHERE VALVES DO NOT OCCUR & PLACE TRACER WIRE AT PIPE INTERSECTIONS, WITH MULTIPLE IN BOX VALVES, RUN WIRE UP AT ONLY ONE VALVE FINISHED GRADE TRACER WIRE BOX VALVE BOX TRACER WIRE BOX SINGLE 12 AWG SOLID CORE WIRE PVC WATER MAIN -GATE VALVE MASONRY BLOCK TRACER WIRE TO BE LAID UNDERNEATH WATER LINE

NOTES:

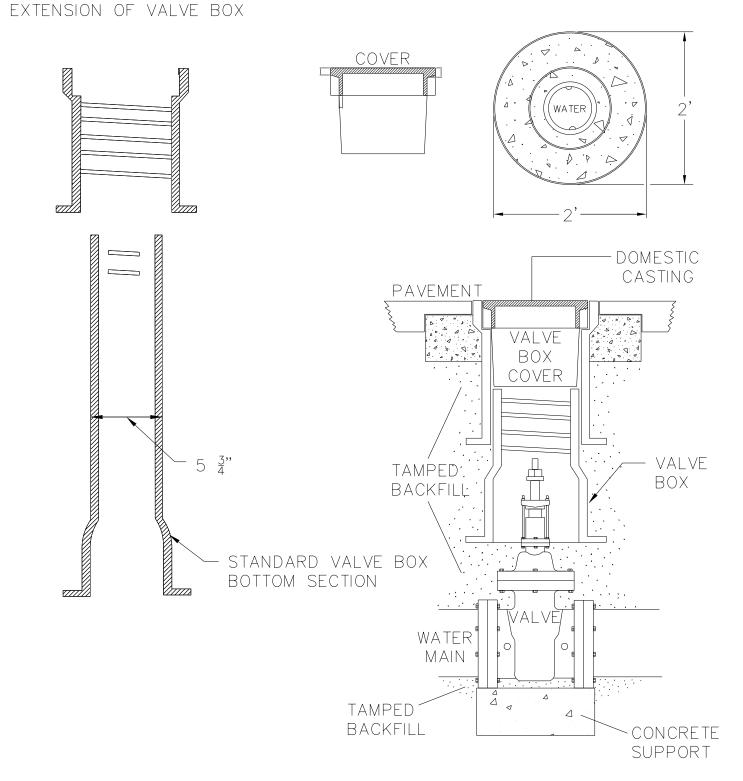
2.NO UNDERGROUND SPLICING WILL BE ALLOWED. DO NOT SPLICE WIRE WHEN BEGINNING A NEW SPOOL, INSTEAD INSTALL A TRACER WIRE BOX AND ATTACH EACH WIRE TO THE BOX.

TYPICAL TRACER WIRE INSTALLATION DETAIL

NOT TO SCALE

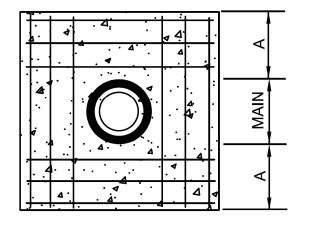


I. PLACE TRACER WIRE IN TRACER WIRE BOX AS SHOWN.

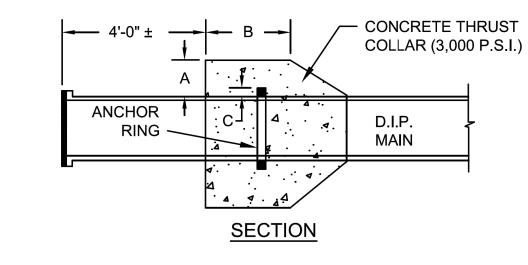


NOTE: VALVE BOX SHALL BE PER OWNER'S SPECIFICATIONS.

> **VALVE BOX INSTALLATION** NOT TO SCALE



REINFORCING



PROJECT REFERENCE NO.

17BP.14.R.212

DESIGNED BY: DRD

APPROVED BY: RMS

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

UTILITIES ENGINEERING SEC.

PHONE: (919)707-6690 UTILITY CONSTRUCTION FAX: (919)250-4151 PLANS ONLY

DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

UTILITY CONSTRUCTION

DRAWN BY:

REVISED:

CHECKED BY:

JACKSON COUNTY

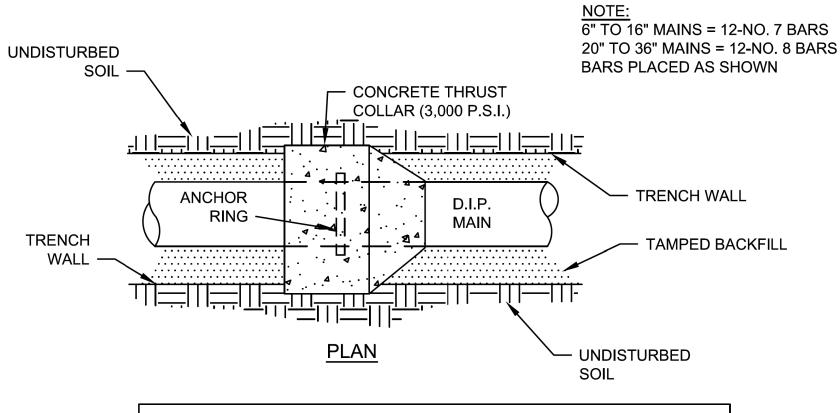
SHEET NO.

UC-3A

26960

Rest MC Notation

3634024 €782 MC ... SCY



SCHEDULE				
PIPE DIAMETER	CONCRETE THRUST COLLAR		ANCHOR COLLAR	RINGS REQUIRED
	А	В	С	
6",8",12"	1'-0"	1'-0"	2"	ONE
16"	1'-4"	1'-0"	2"	ONE
20"	1'-4"	1-0"	3"	ONE
24"	1'-4"	1'-0"	3"	TWO
30"	1'-4"	1'-2"	4"	TWO
36"	1'-4"	1'-4"	4"	TWO

THRUST COLLAR INSTALLATION

NOT TO SCALE



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