

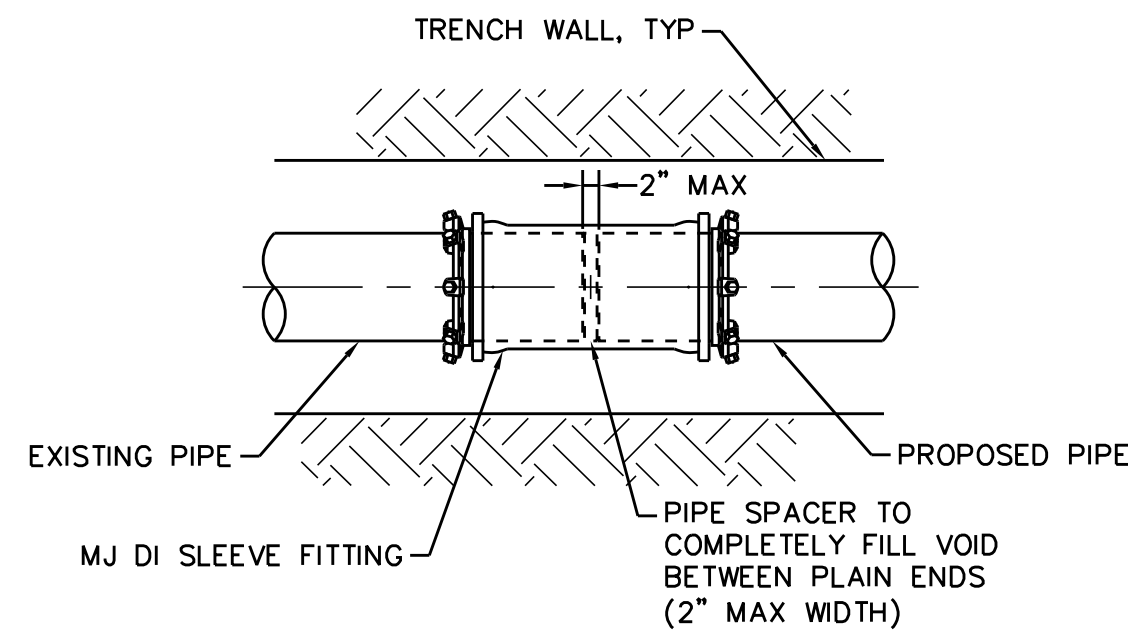
5/14/2022

3/15/2022

DESIGN PRESSURE		
200 PSI		
PIPE SIZE	ROD DIA	NUMBER REQ'D
4" TO 8"	3/4"	2
10" TO 20"	3/4"	4
24"	3/4"	6
30"	1"	6
36"	1"	8

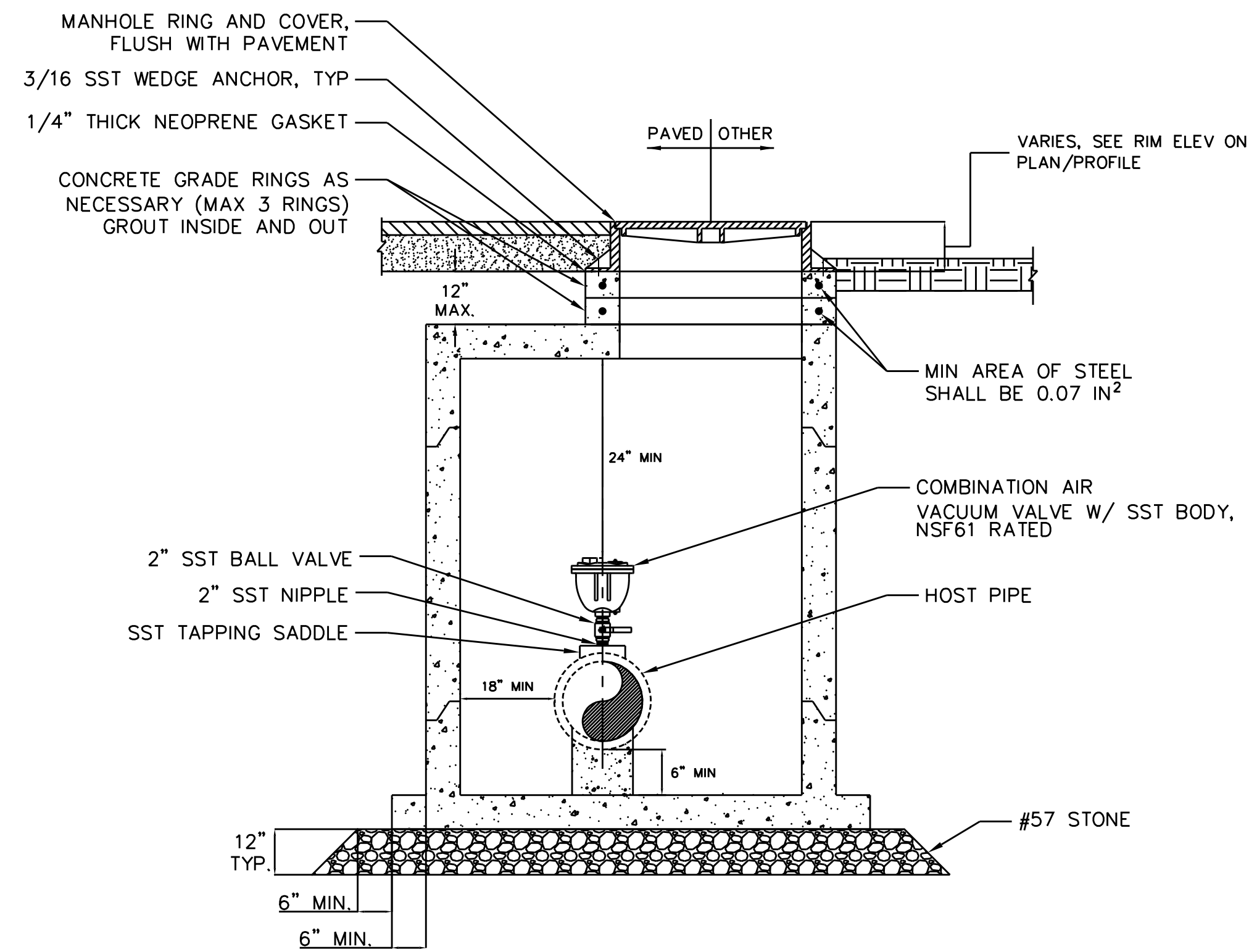
1. THREADED RODS FOR PIPE DIAMETERS LARGER THAN 12" SHALL BE ASTM A193 (GRADE B7). ALL OTHER THREADED RODS SHALL BE ASTM A36.
2. ALL HARDWARE IN CONTACT WITH SOIL SHALL BE PAINTED WITH TWO COATS HIGH BUILD COAL TAR EPOXY (MIN 26 MIL DRY FILM THICKNESS)
5. RODS SHALL BE EQUALLY SPACED AROUND PIPE.

1 THREADED ROD SCHEDULE
UC-3E SCALE: N.T.S.



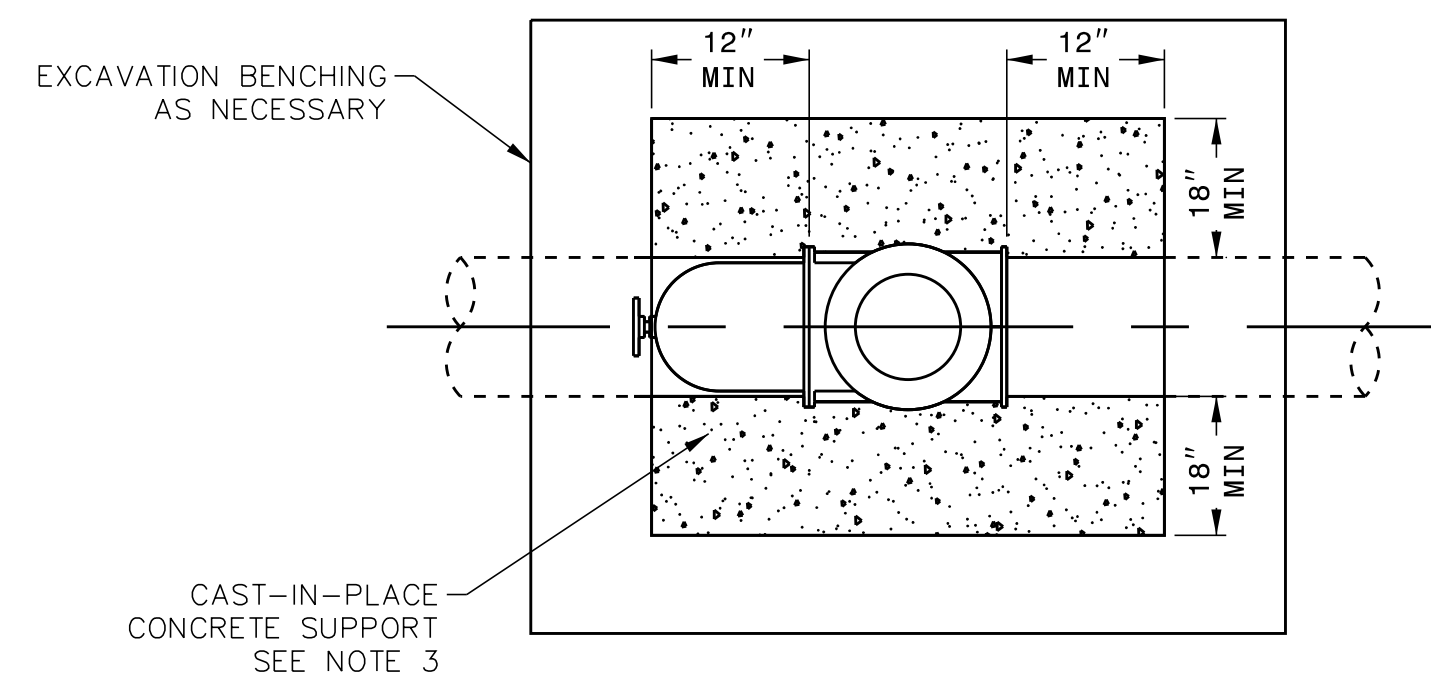
- NOTES:
1. SLEEVES SHALL BE DUCTILE IRON MECHANICAL JOINT (DI MJ) OF THE SAME OR HIGHER PRESSURE RATING AS THE HOST PIPE.
 2. RESTRAINT GLANDS SHALL BE DESIGNED FOR THE INTENDED USE AND SHALL CONSIST OF MULTIPLE GRIPPING WEDGES INCORPORATED INTO A FOLLOWER GLAND AND BOLT-ACTUATED BY TORQUE-LIMITING TWIST OFF NUTS.

2 RESTRAINED MJ SOLID SLEEVE
UC-3E SCALE: N.T.S.

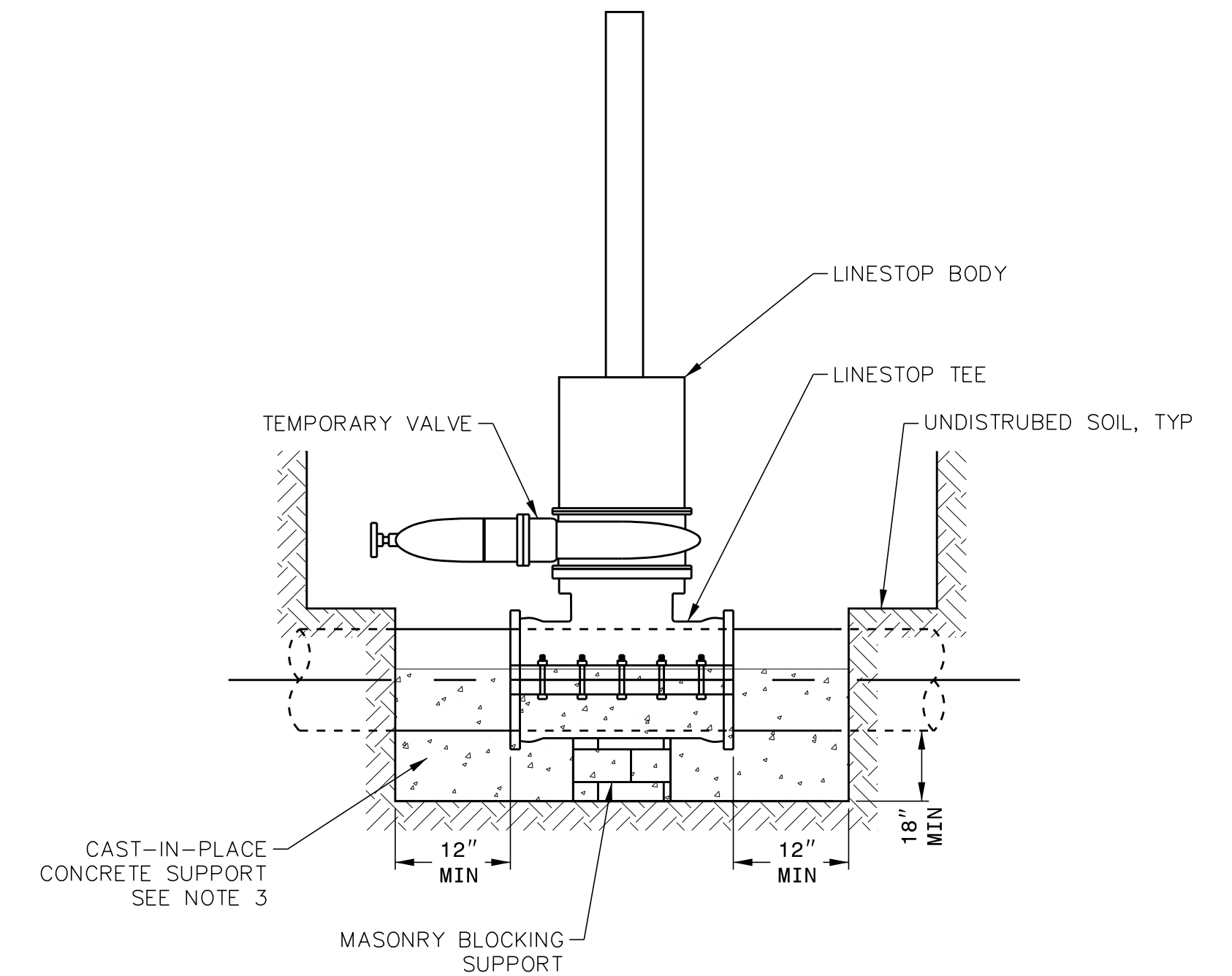


- NOTES:
1. ALL METALLIC PIPING AND HARDWARE SHALL BE STAINLESS STEEL.
 2. PROVIDE SUFFICIENT SPACING BETWEEN BALL VALVE, ARV, AND TAPPING SADDLE SUCH THAT THE BALL VALVE WILL OPERATE PROPERLY.
 3. MALE THREADED END OF ARV SHALL BE COATED WITH ANTI-SEIZE THREAD COMPOUND PRIOR TO INSTALLATION.
 4. PROVIDE BUSHINGS AND ADAPTERS AS NECESSARY TO CONNECT TO TAP.
 5. MANHOLE SHALL BE STANDARD 5' WITH CONE TOP (SLAB TOP WHEN INSTALLED OUTSIDE PAVED SURFACES) AND EXTENDED BASE.
 6. PIPE PENETRATIONS THROUGH MANHOLE SHALL BE SEALED WITH RUBBER BOOTS.

3 AIR VACUUM MANHOLE
UC-3E SCALE: N.T.S.



LINESTOP ASSEMBLY--PLAN



LINESTOP ASSEMBLY--PROFILE

- NOTES:
1. LINESTOP AND CONCRETE SUPPORT MUST BE LOCATED ENTIRELY WITHIN ONE PIPE JOINT.
 2. ISOLATE ALL METALLIC COMPONENTS OF LINE STOP FROM CONCRETE WITH POLYETHYLENE SHEETING.
 3. CAST-IN-PLACE CONCRETE SUPPORT SHALL CURE MINIMUM 7 DAYS PRIOR TO ENGAGING LINE STOP.

4 LINE STOP WITH BYPASS
UC-3E SCALE: N.T.S.

PREPARED BY:
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PROJECT REFERENCE NO.	SHEET NO.
U-5815BA	UC-3E
DESIGNED BY: NLH	
DRAWN BY: JNB	
CHECKED BY: CPM	
APPROVED BY: NLH	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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UTILITY CONSTRUCTION PLANS ONLY	

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