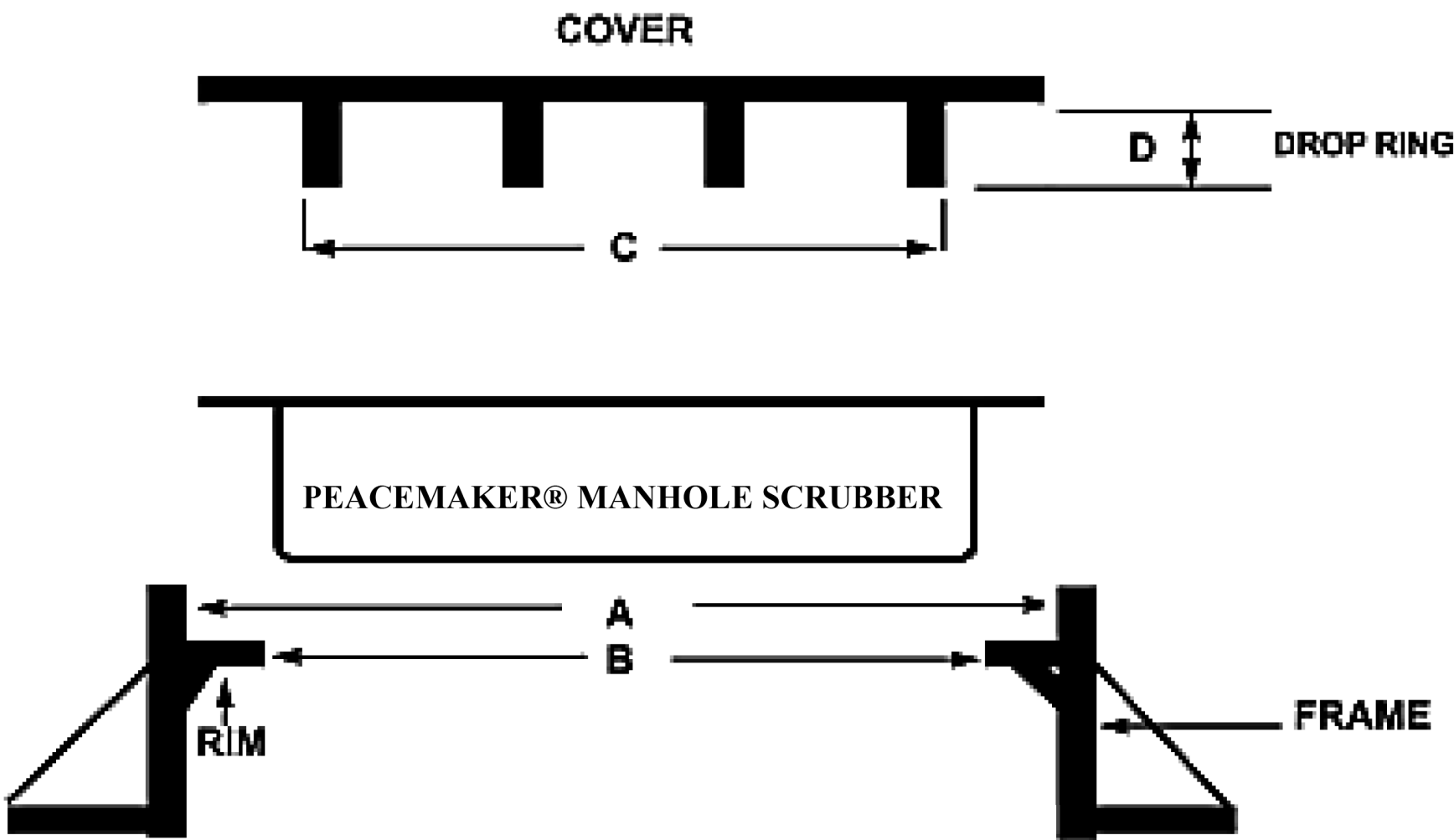
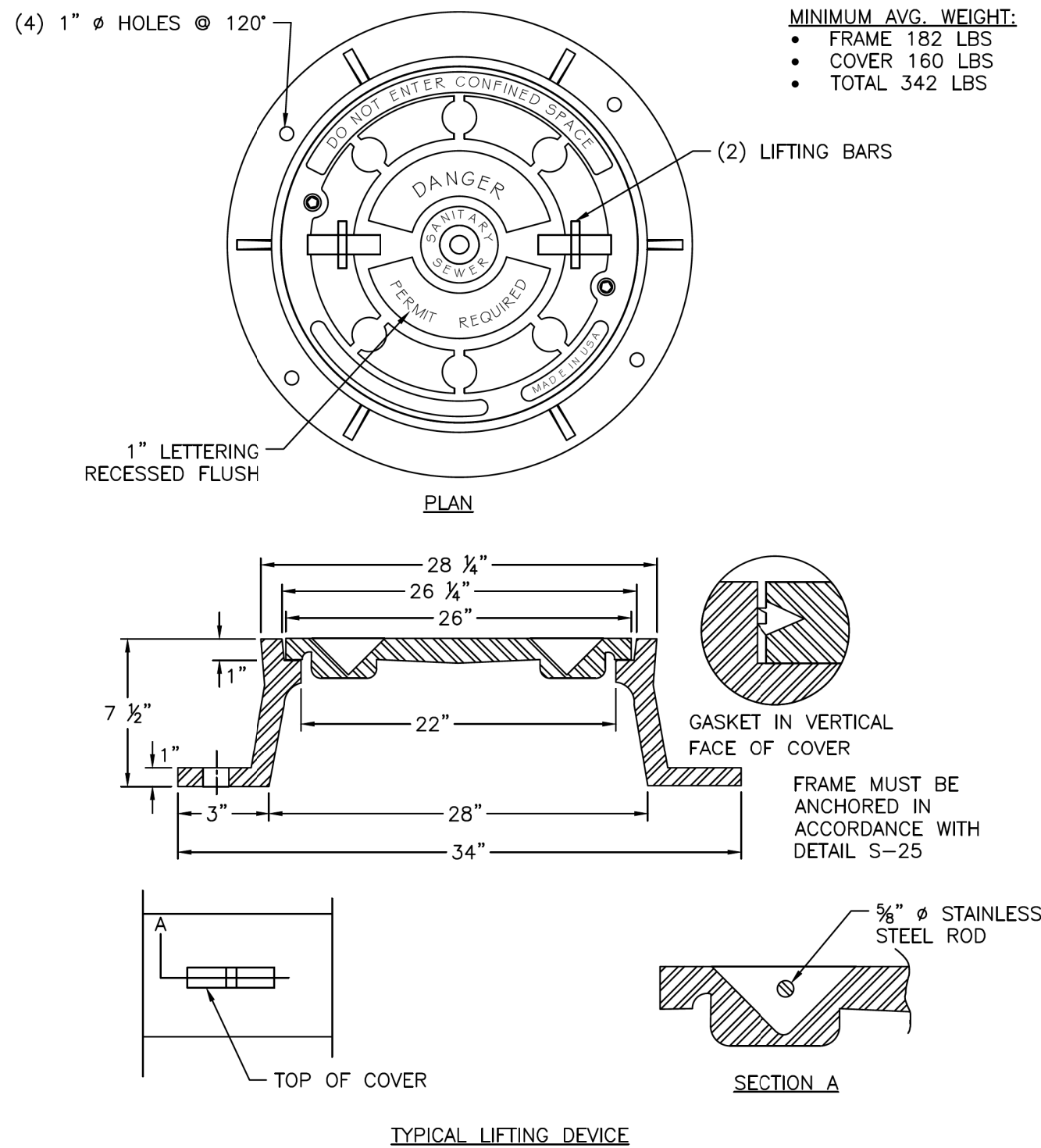
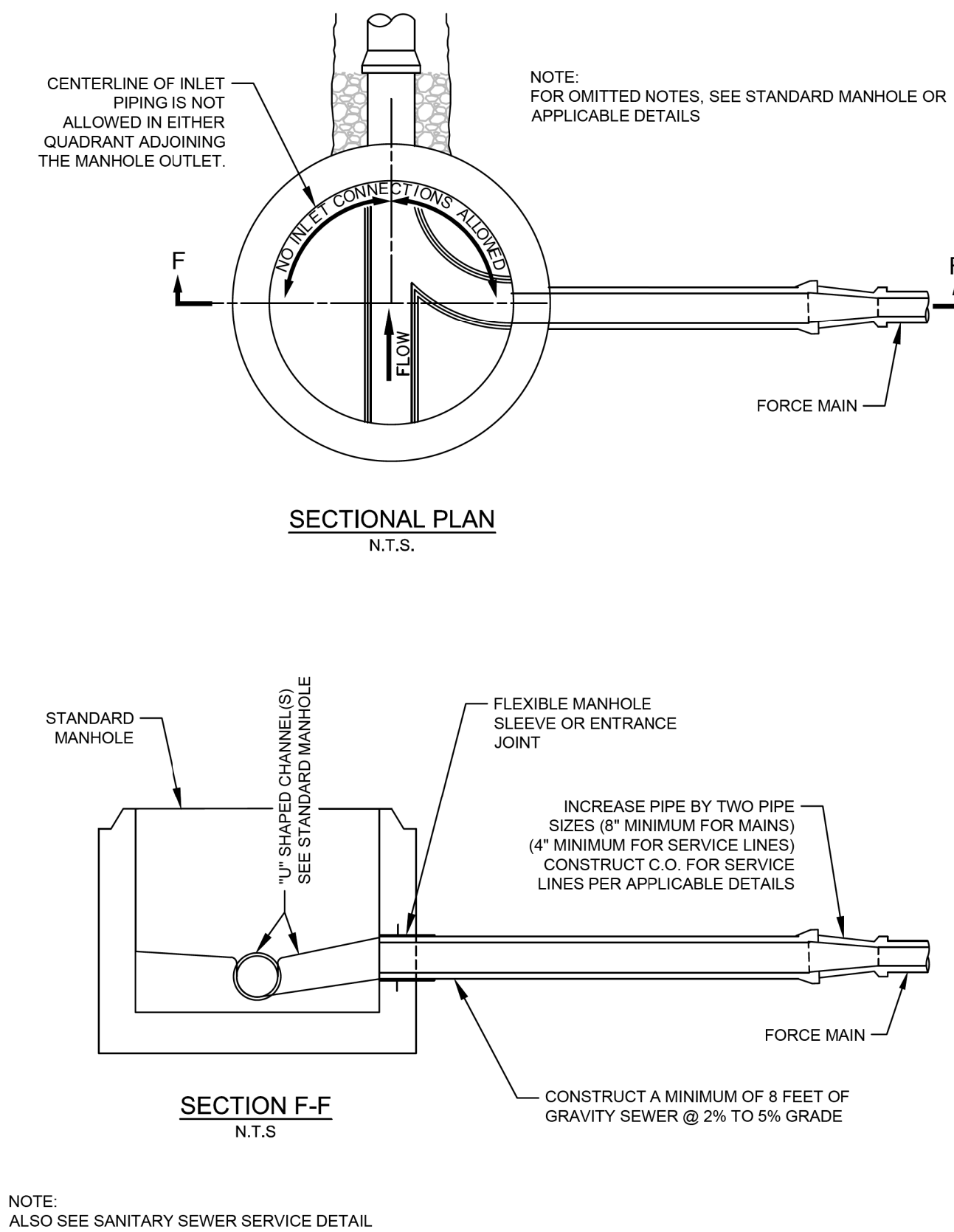




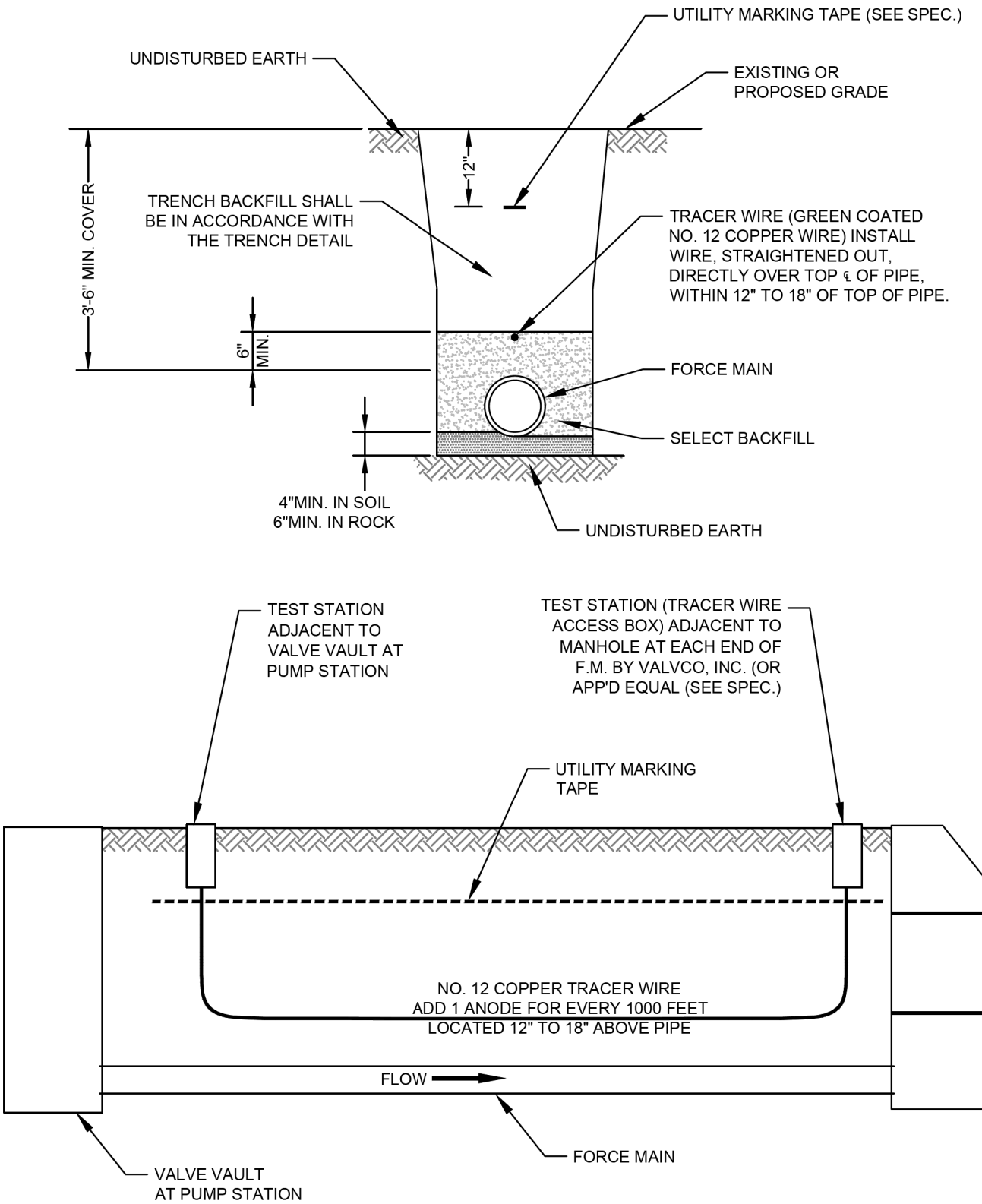
ODOR CONTROL MEASURES- MANHOLE SCRUBBER



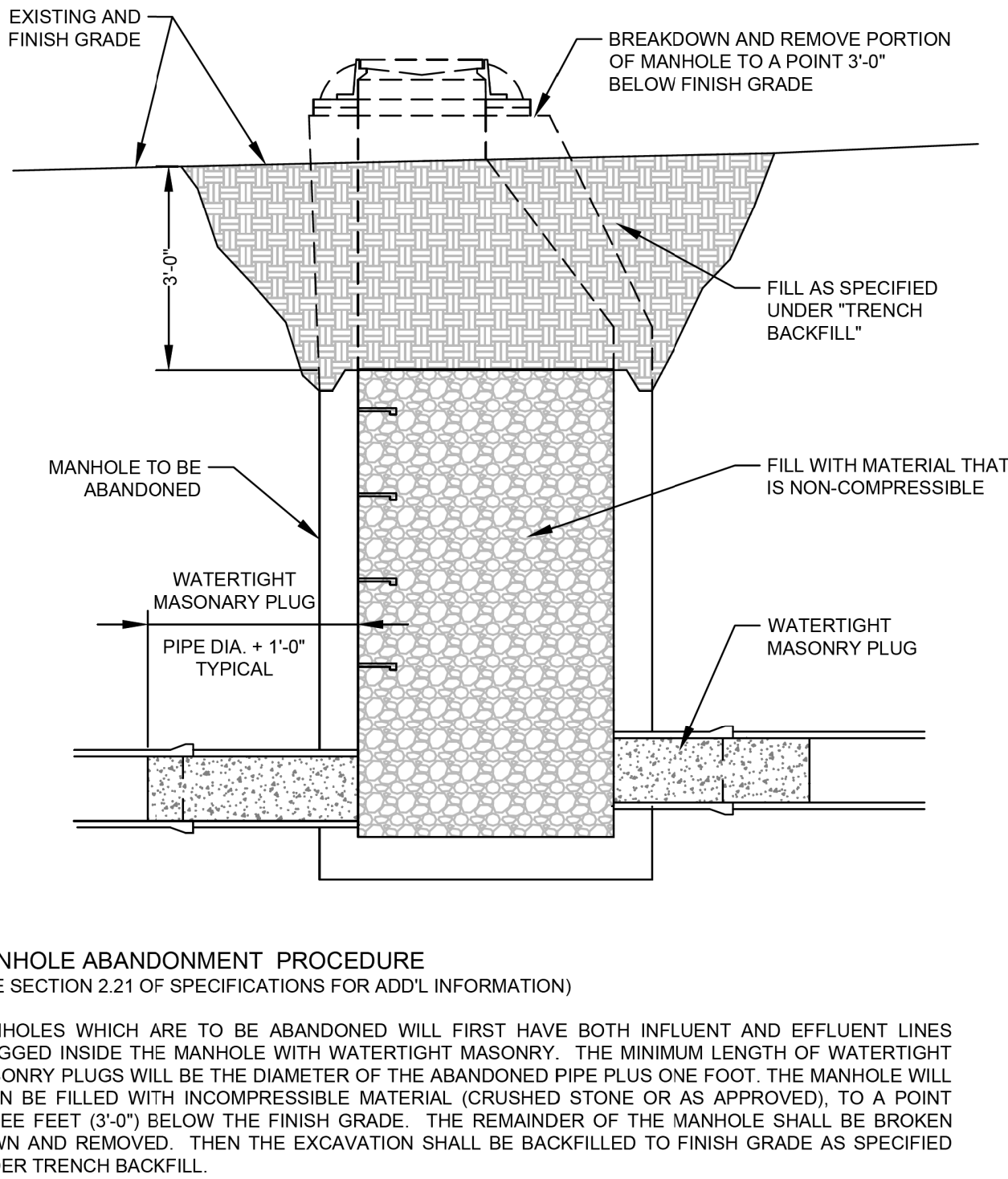
MANHOLE FRAME & WATERTIGHT COVER



TYPE 1 FORCE MAIN CONNECTION



FORCEMAIN TRACER TAPE & WIRE INSTALLATION



MANHOLE ABANDONMENT PROCEDURE
(SEE SECTION 2.21 OF SPECIFICATIONS FOR ADD'L INFORMATION)

MANHOLES WHICH ARE TO BE ABANDONED WILL FIRST HAVE BOTH INFLUENT AND EFFLUENT LINES PLUGGED INSIDE THE MANHOLE WITH WATERTIGHT MASONRY. THE MINIMUM LENGTH OF WATERTIGHT MASONRY PLUGS WILL BE THE DIAMETER OF THE ABANDONED PIPE PLUS ONE FOOT. THE MANHOLE WILL THEN BE FILLED WITH INCOMPRESSIBLE MATERIAL (CRUSHED STONE OR AS APPROVED), TO A POINT THREE FEET (3'-0") BELOW THE FINISH GRADE. THE REMAINDER OF THE MANHOLE SHALL BE BROKEN DOWN AND REMOVED. THEN THE EXCAVATION SHALL BE BACKFILLED TO FINISH GRADE AS SPECIFIED UNDER TRENCH BACKFILL.

MANHOLE ABANDONMENT

PROJECT REFERENCE NO.		SHEET NO.
R-5600		UC-3E
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APPROVED BY: MUP		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY
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