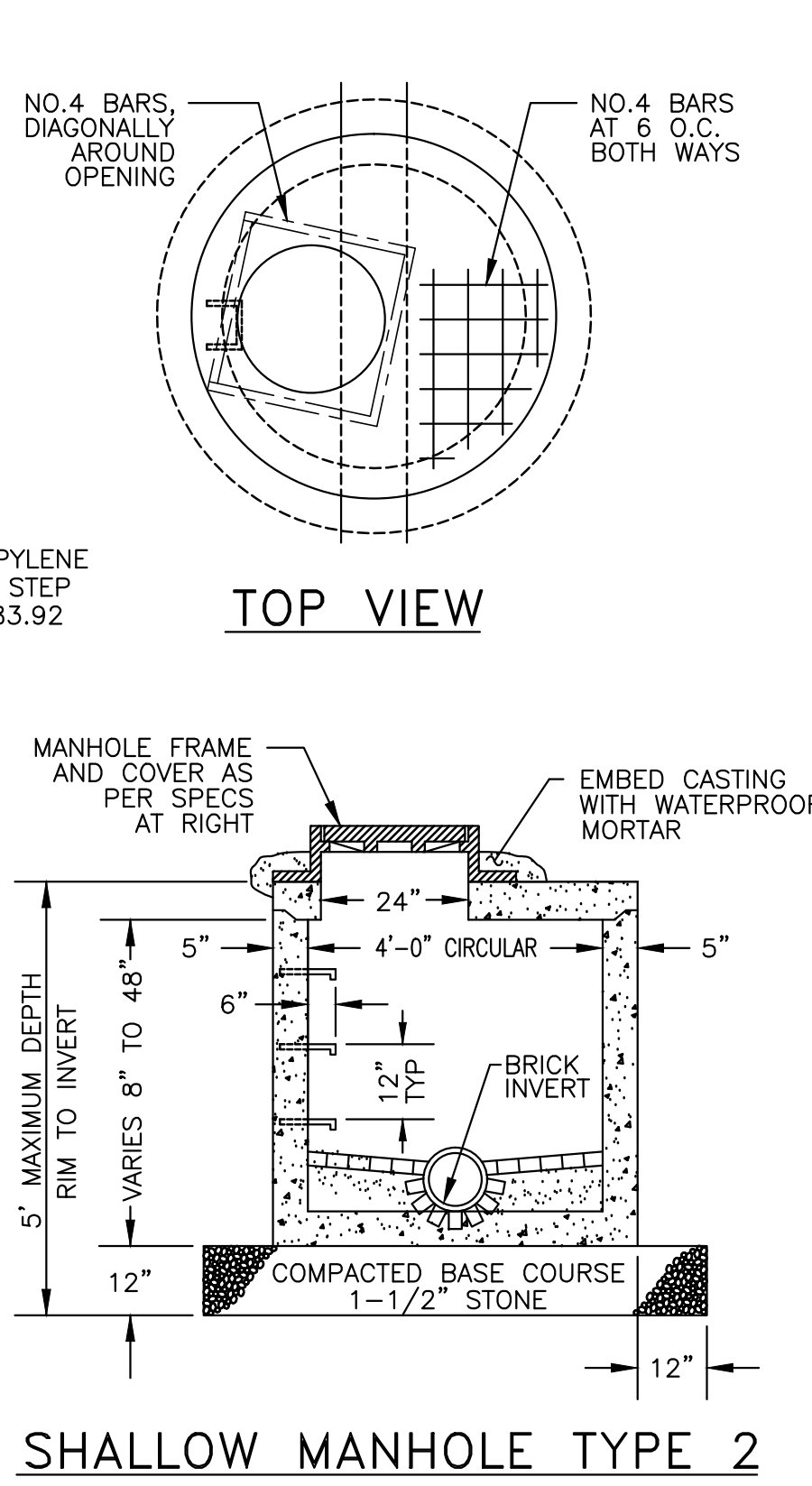
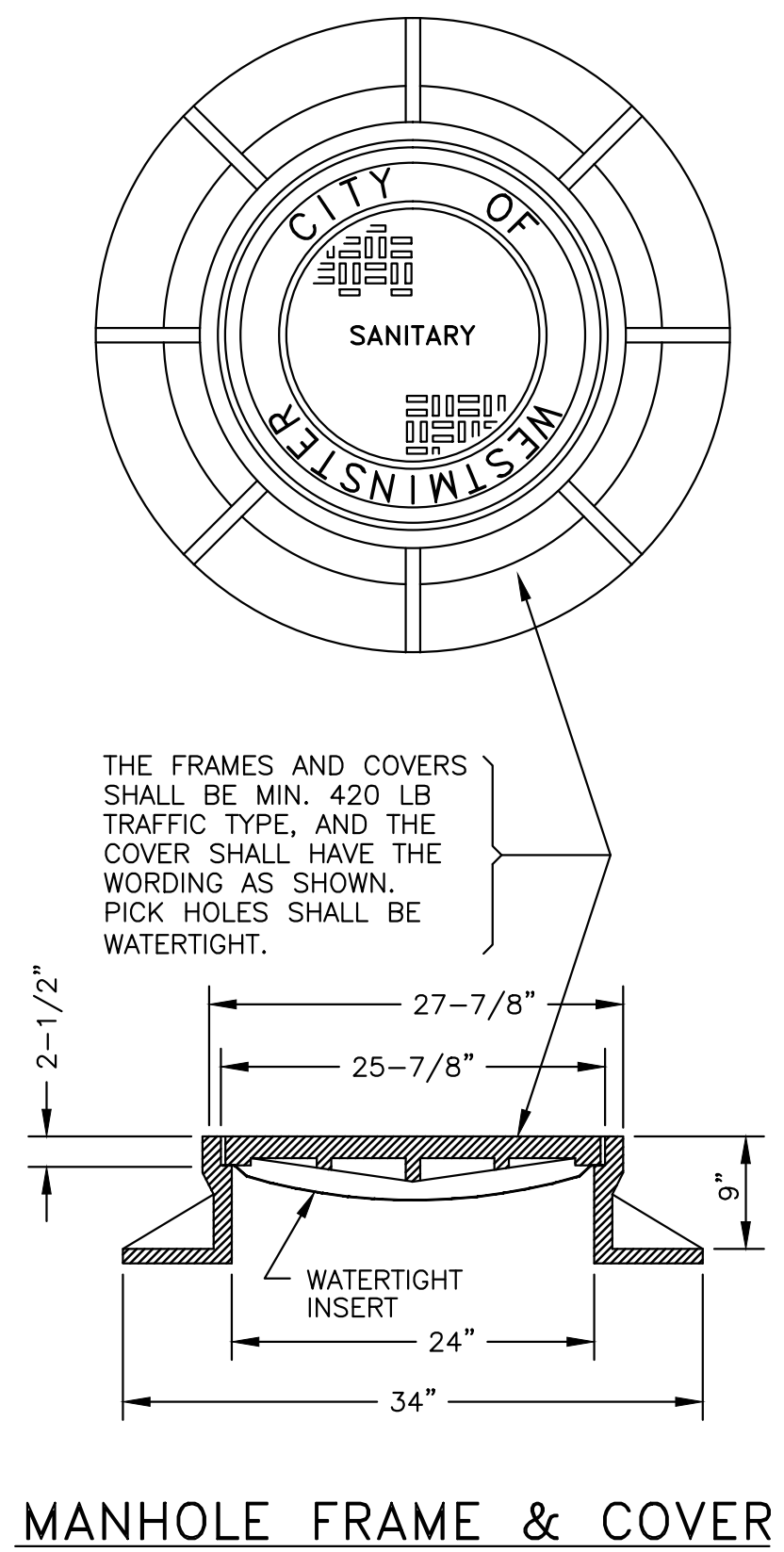


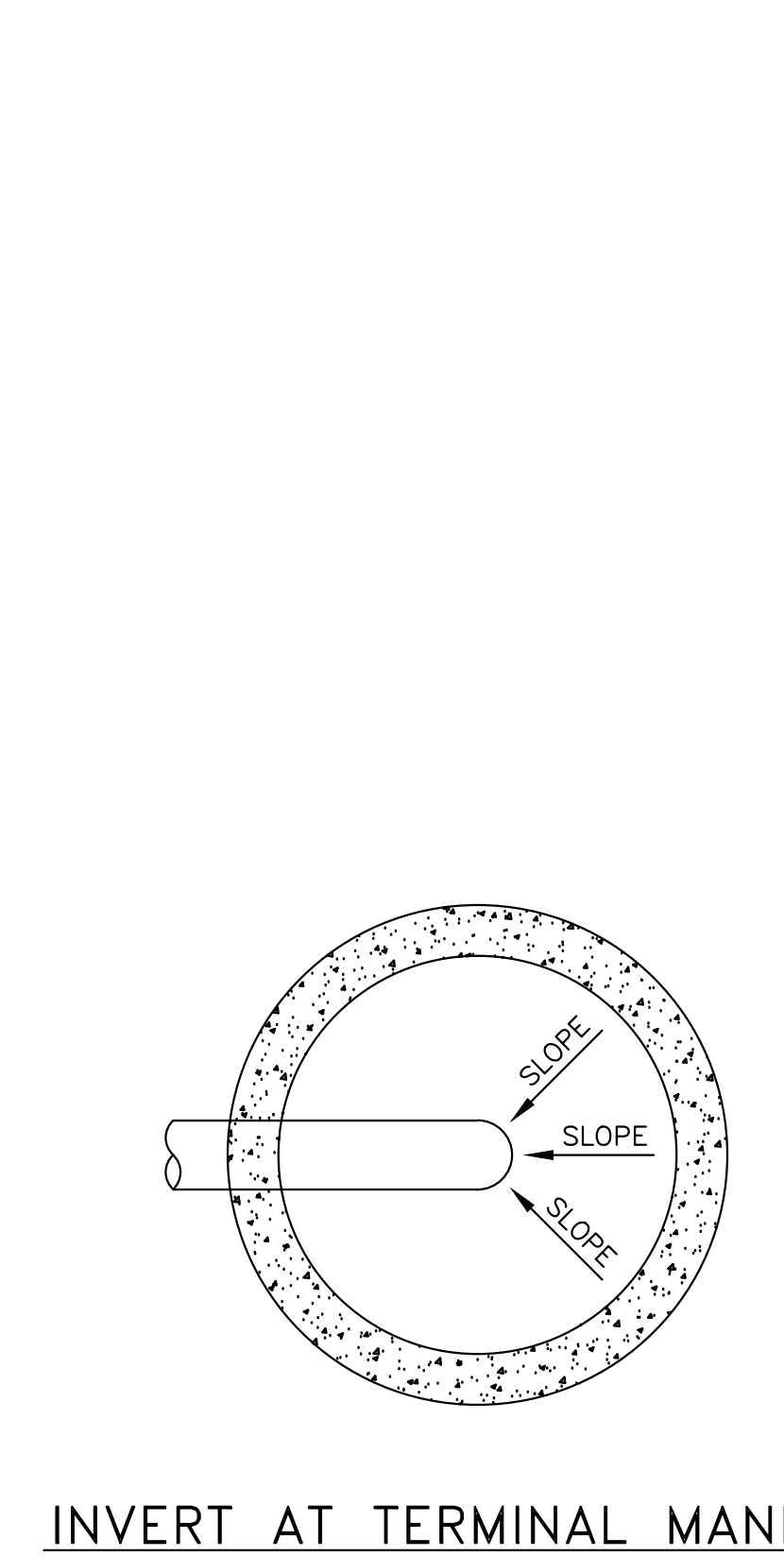
STANDARD MANHOLE TYPE 1



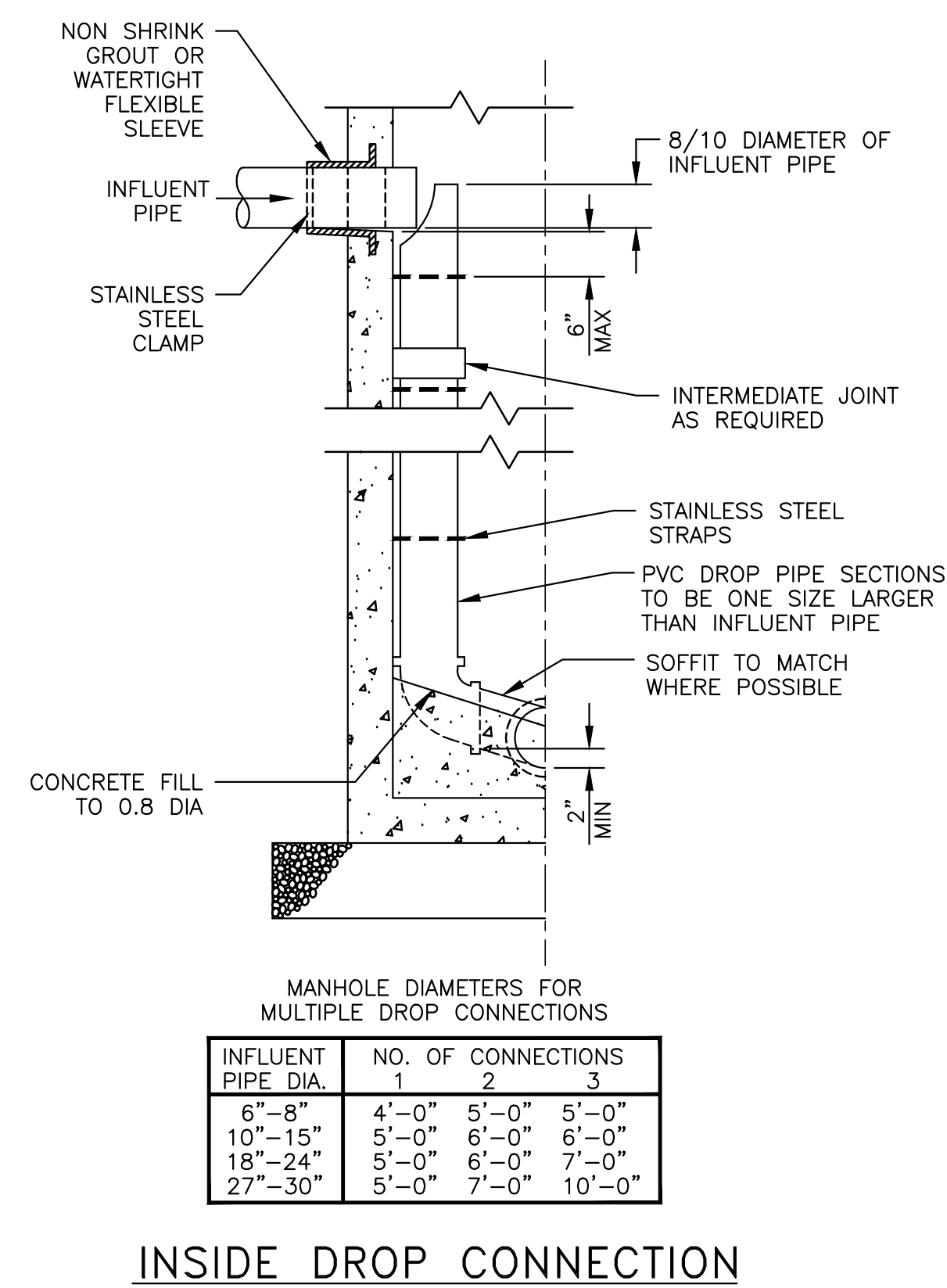
SHALLOW MANHOLE TYPE 2



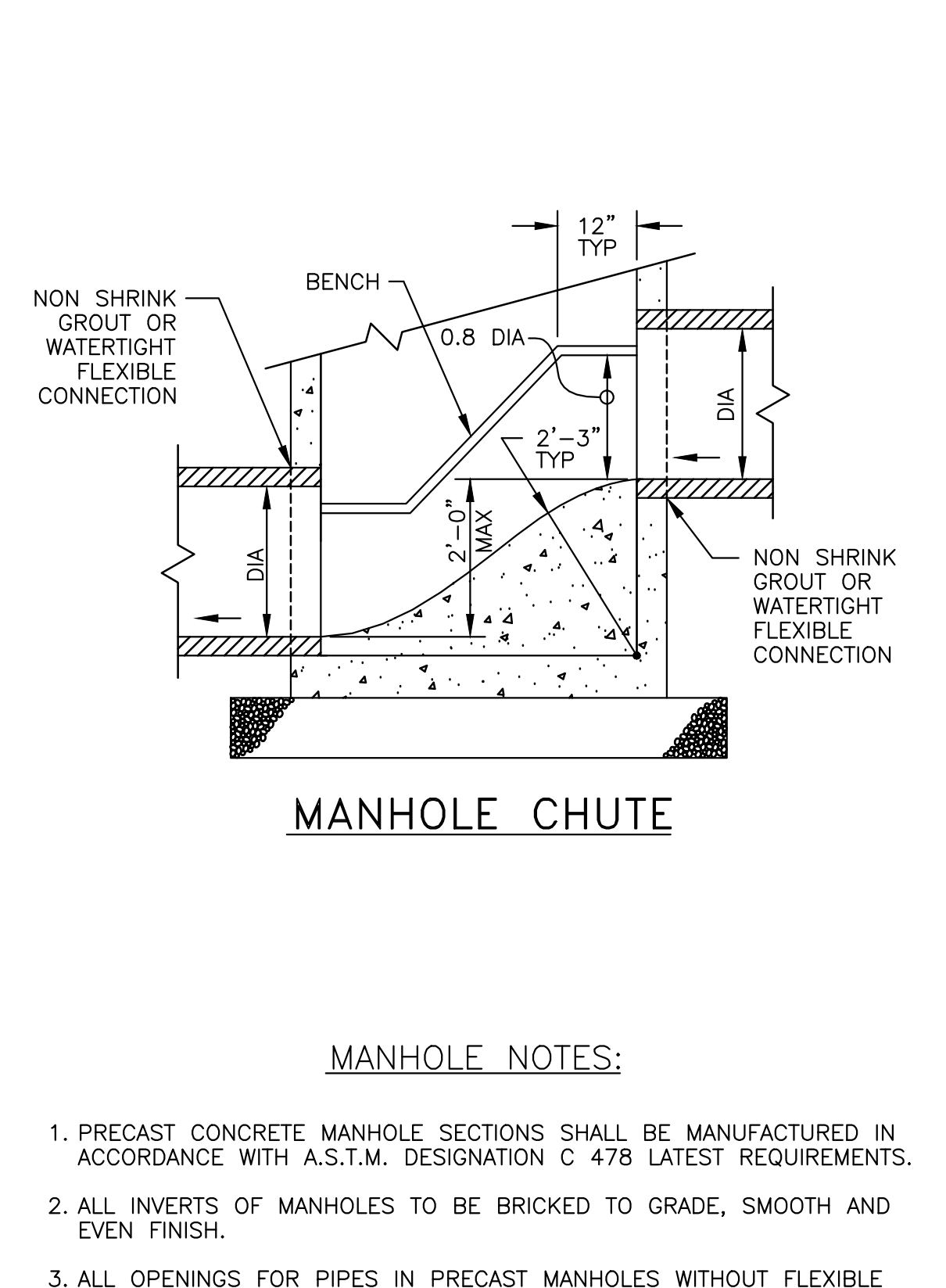
MANHOLE FRAME & COVER



INVERT AT TERMINAL MANHOLE



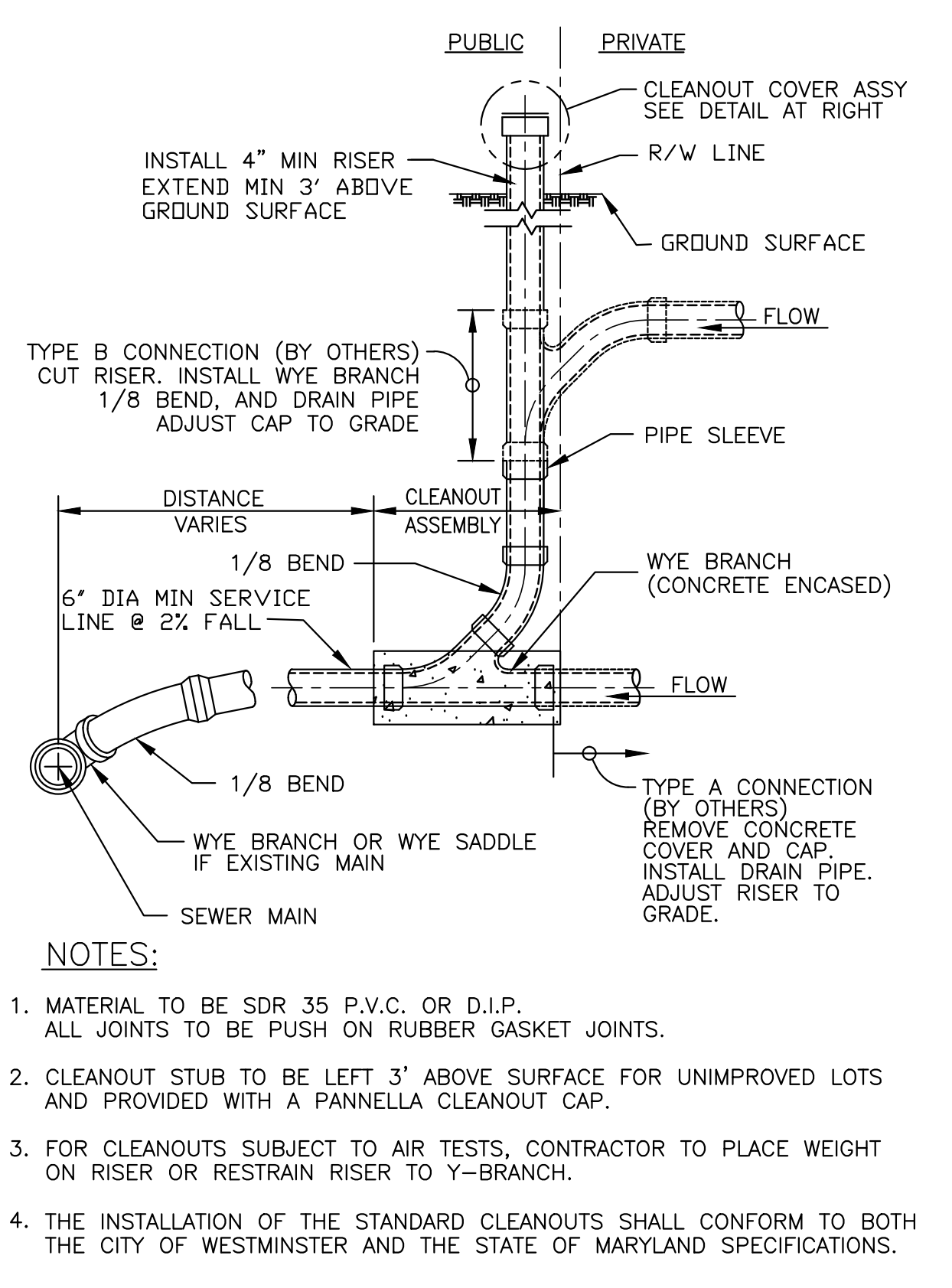
INSIDE DROP CONNECTION



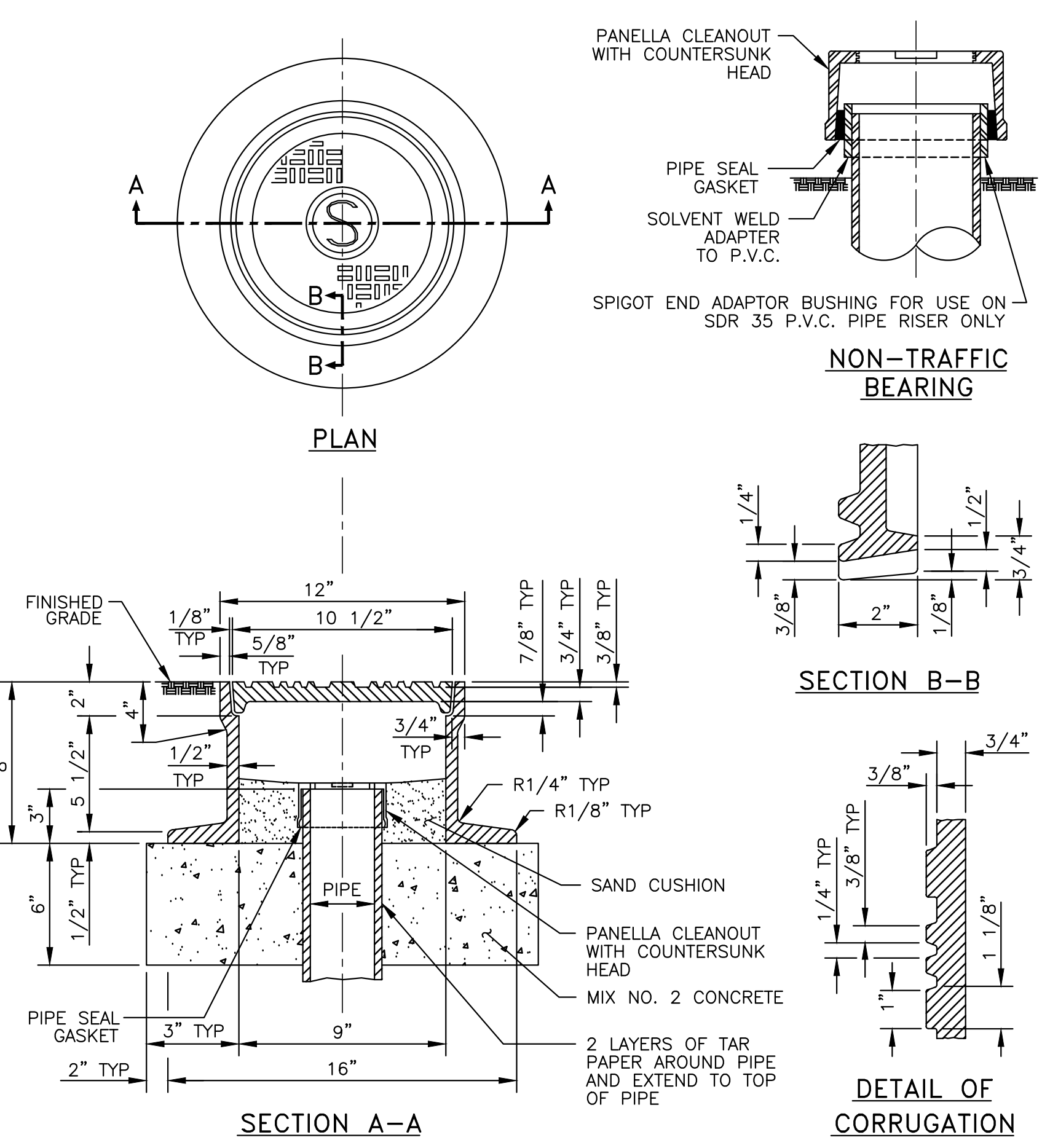
MANHOLE CHUTE

- MANHOLE NOTES:**
1. PRECAST CONCRETE MANHOLE SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH A.S.T.M. DESIGNATION C 478 LATEST REQUIREMENTS.
 2. ALL INVERTS OF MANHOLES TO BE BRICKED TO GRADE, SMOOTH AND EVEN FINISH.
 3. ALL OPENINGS FOR PIPES IN PRECAST MANHOLES WITHOUT FLEXIBLE CONNECTIONS SHALL BE CAST, WITH KEY, FOR GROUTING OF PIPES.

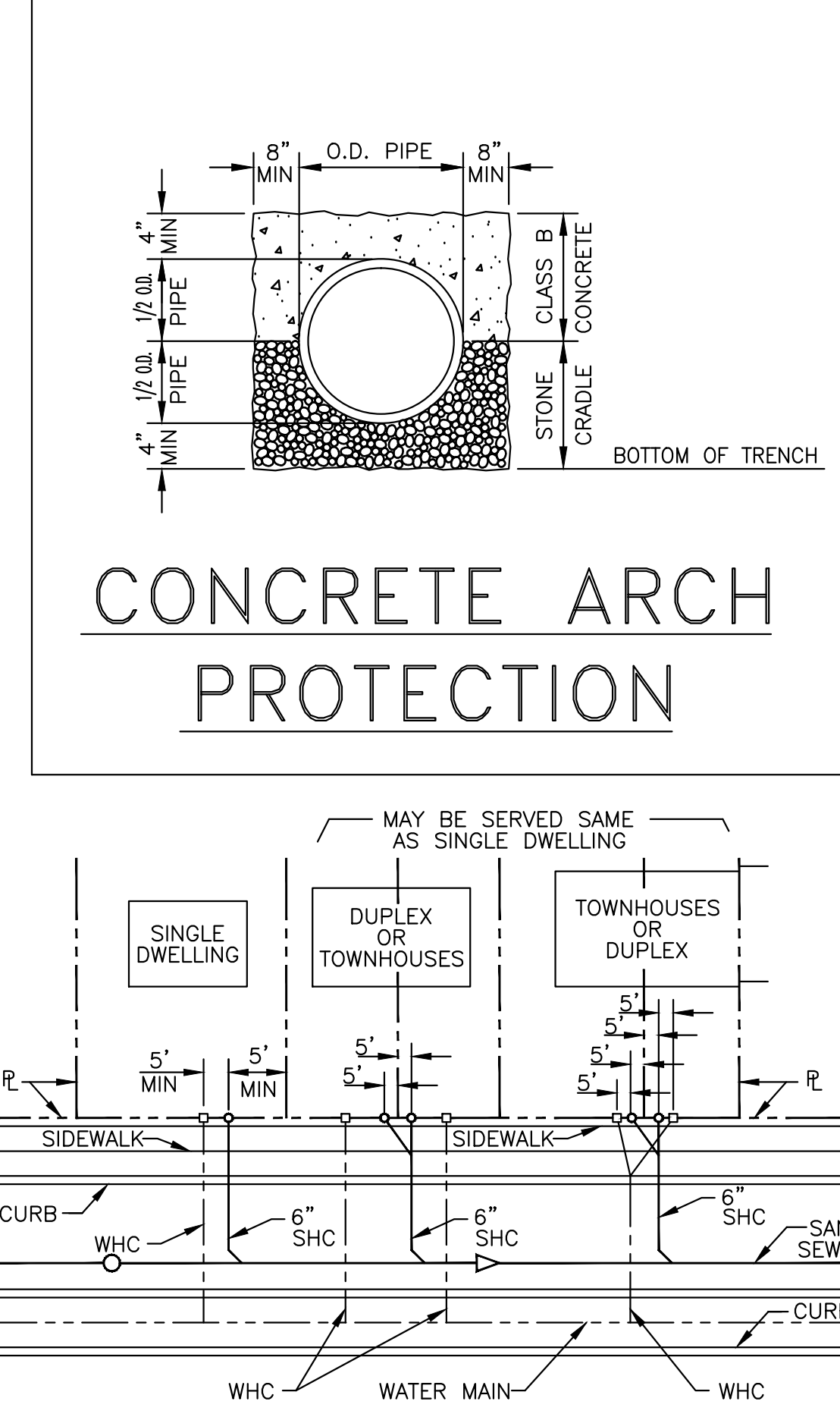
PRECAST CONCRETE MANHOLES



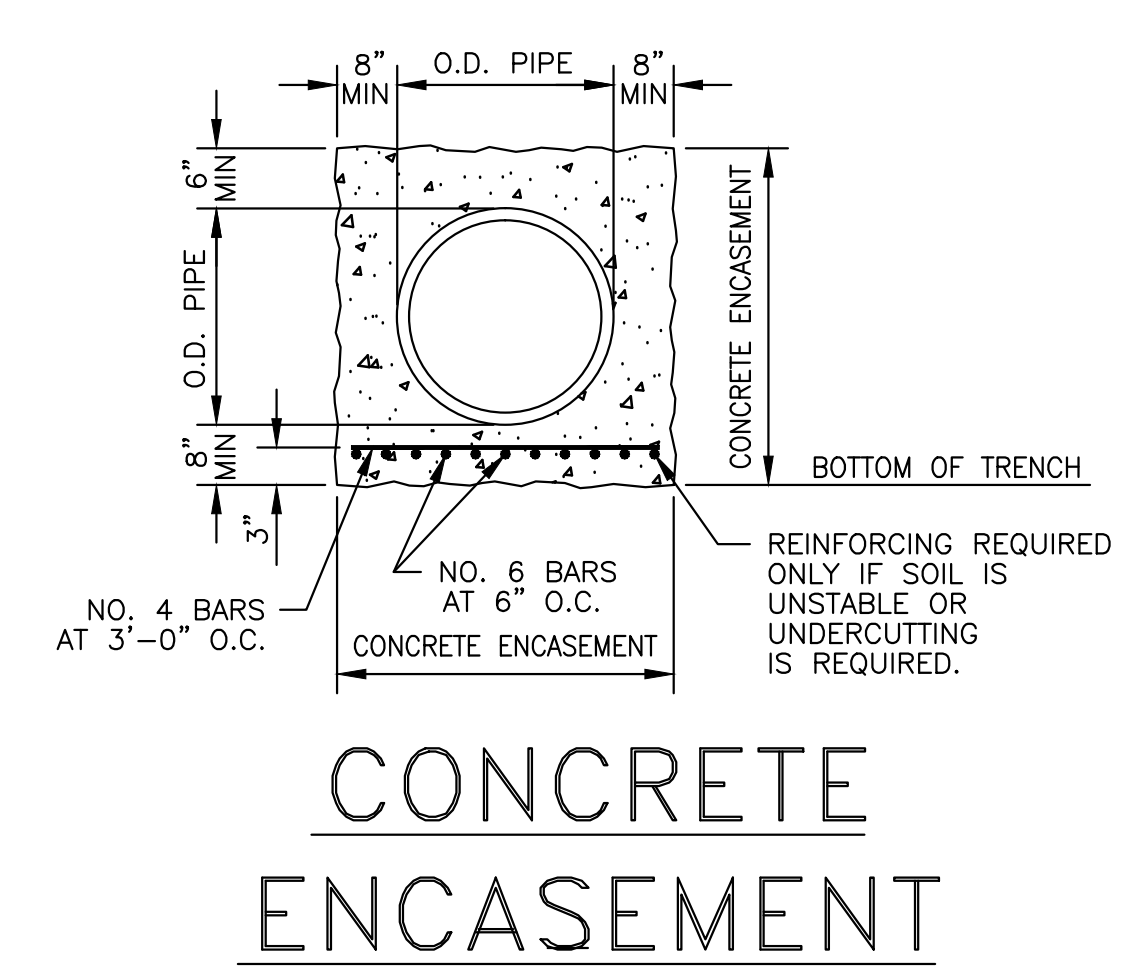
STANDARD CONNECTION



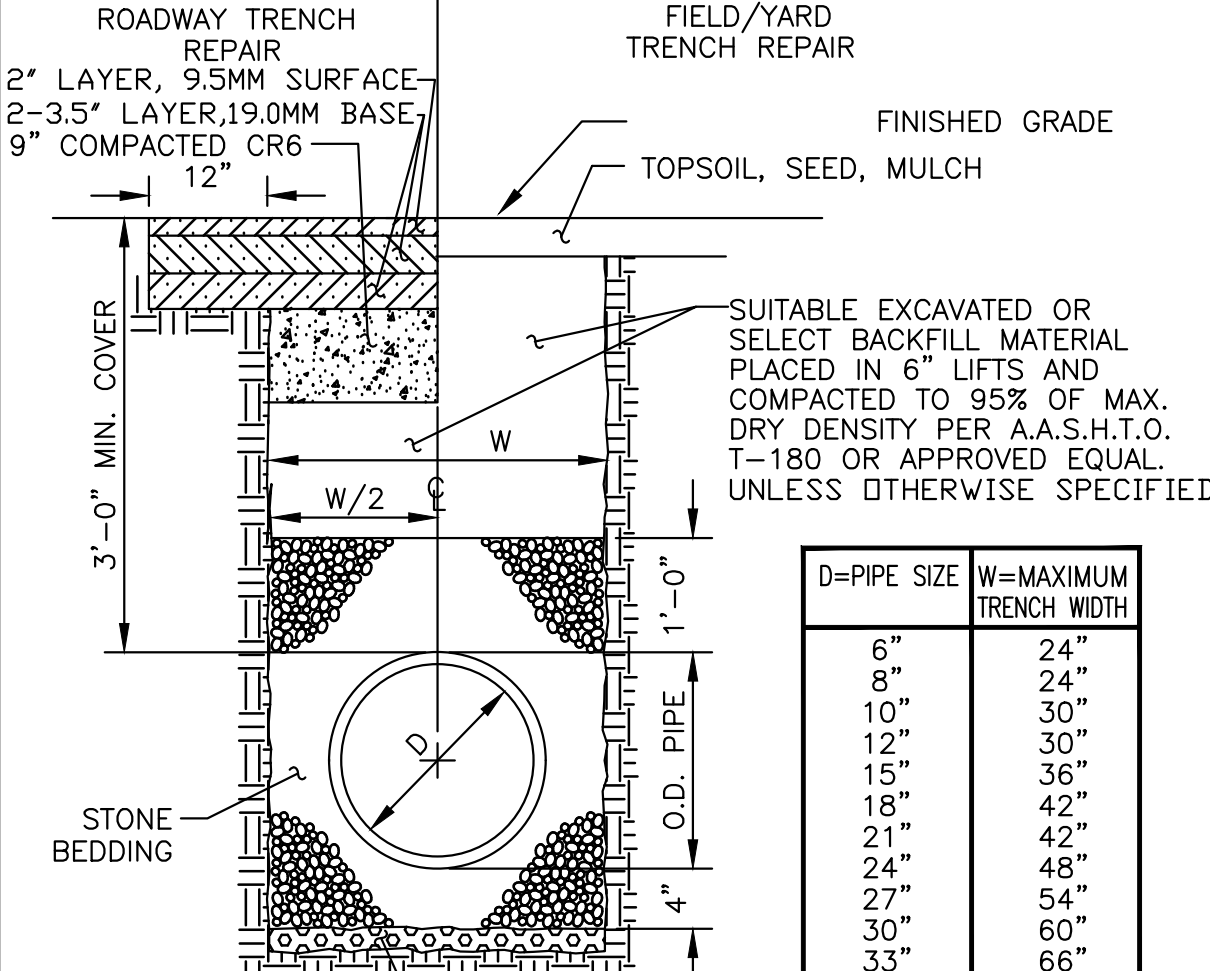
TRAFFIC BEARING CLEANOUT COVER ASSEMBLY



CONCRETE ARCH PROTECTION

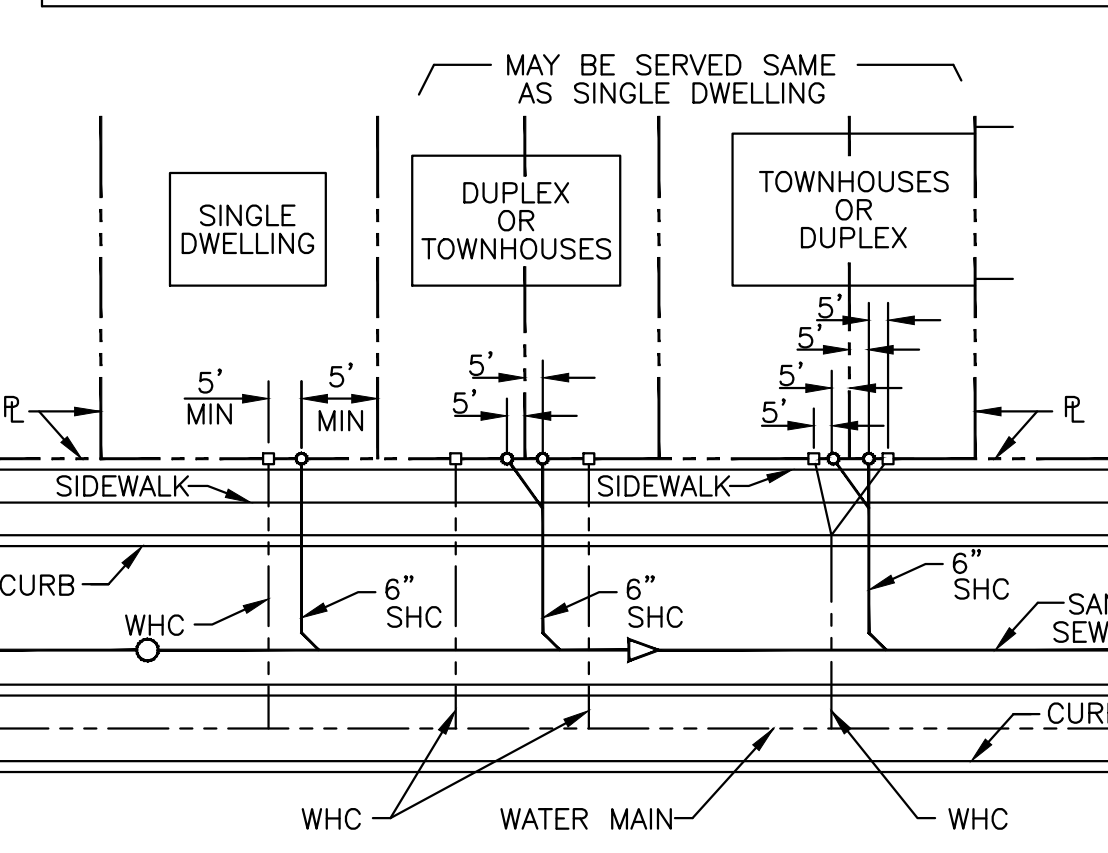


CONCRETE ENCASEMENT

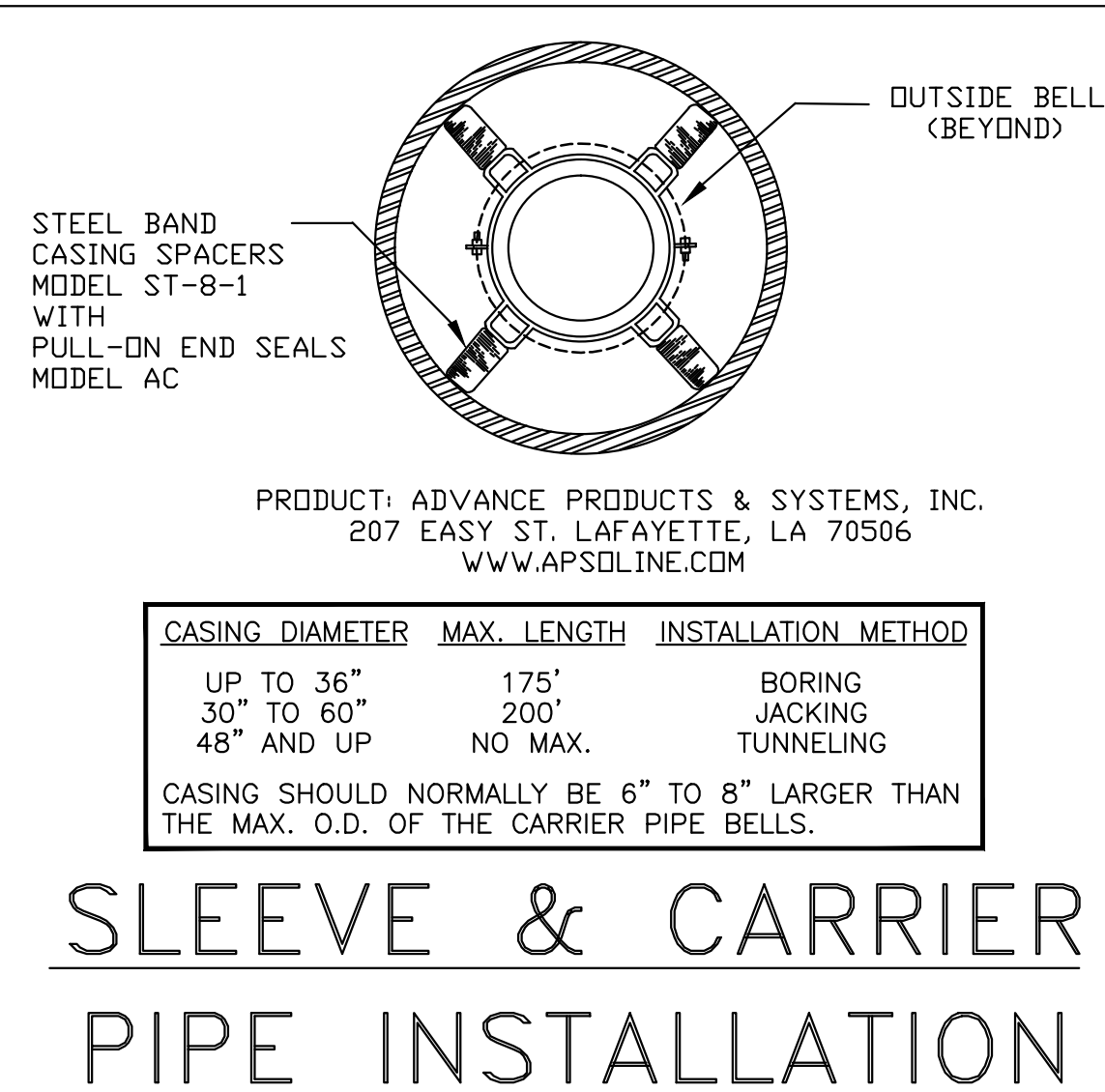


TRENCH DETAIL

- GENERAL NOTES:**
1. ALL CONCRETE CONSTRUCTION SHOWN ON THESE STANDARD DETAILS SHALL USE 3000 P.S.I., SHA MIX NO. 2 CONCRETE UNLESS OTHERWISE SPECIFIED ON THESE PLANS.
 2. THE MINIMUM ACCEPTABLE SIZE FOR SEWER SERVICE PIPE SHALL BE 6" DIAMETER, CONSTRUCTED ON A 2% RISE FROM THE MAIN. LARGER SIZES SHALL BE INSTALLED WHERE SPECIFICALLY CALLED OUT IN THE PLANS.
 3. SEWER MAINS AND APPURTENANCES ARE SUBJECT TO INSPECTION AND TESTING IN ACCORDANCE WITH THE STANDARD PROCEDURES OF THE CITY OF WESTMINSTER AND THEIR INSPECTORS IN THE FIELD.
 4. MINIMUM VERTICAL CLEARANCE AT CROSSINGS BETWEEN SEWER LINES WITH OTHER UTILITIES SHALL BE 12". WATER SHALL CROSS ABOVE SANITARY SEWER. MINIMUM LATERAL CLEARANCE FROM UTILITY POLES, INLETS, CURB AND GUTTER, MANHOLES, AND OTHER MISCELLANEOUS STRUCTURES SHALL BE 36". ALL CLEARANCES SHALL BE MEASURED FROM OUTSIDE TO OUTSIDE EDGES.



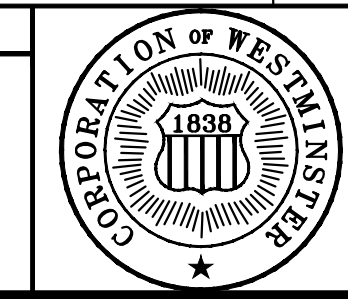
TYPICAL METHODS FOR SERVICE



SLEEVE & CARRIER PIPE INSTALLATION

SEWER HOUSE CONNECTION (SHC)

DATE	REVISION	BY
3/13	REVISED NOTES, SHA MIX, PAVEMENT THICKNESS, STEEL BAND	R.A.P.



STANDARD SEWER CONSTRUCTION DETAILS

SHEET: _____ OF: _____
 DATE: _____
 SCALE: HORIZ. NONE
 VERT.