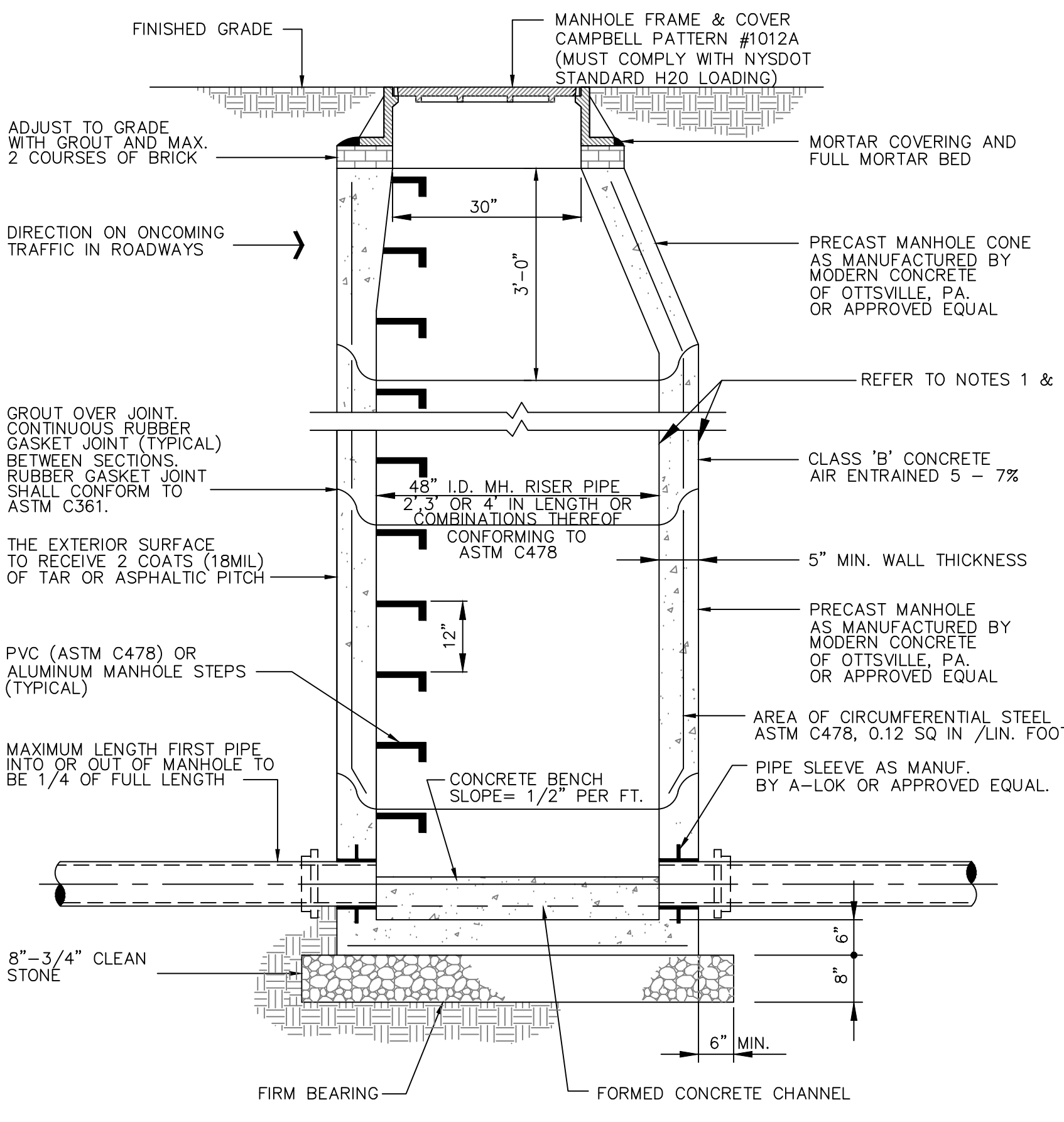
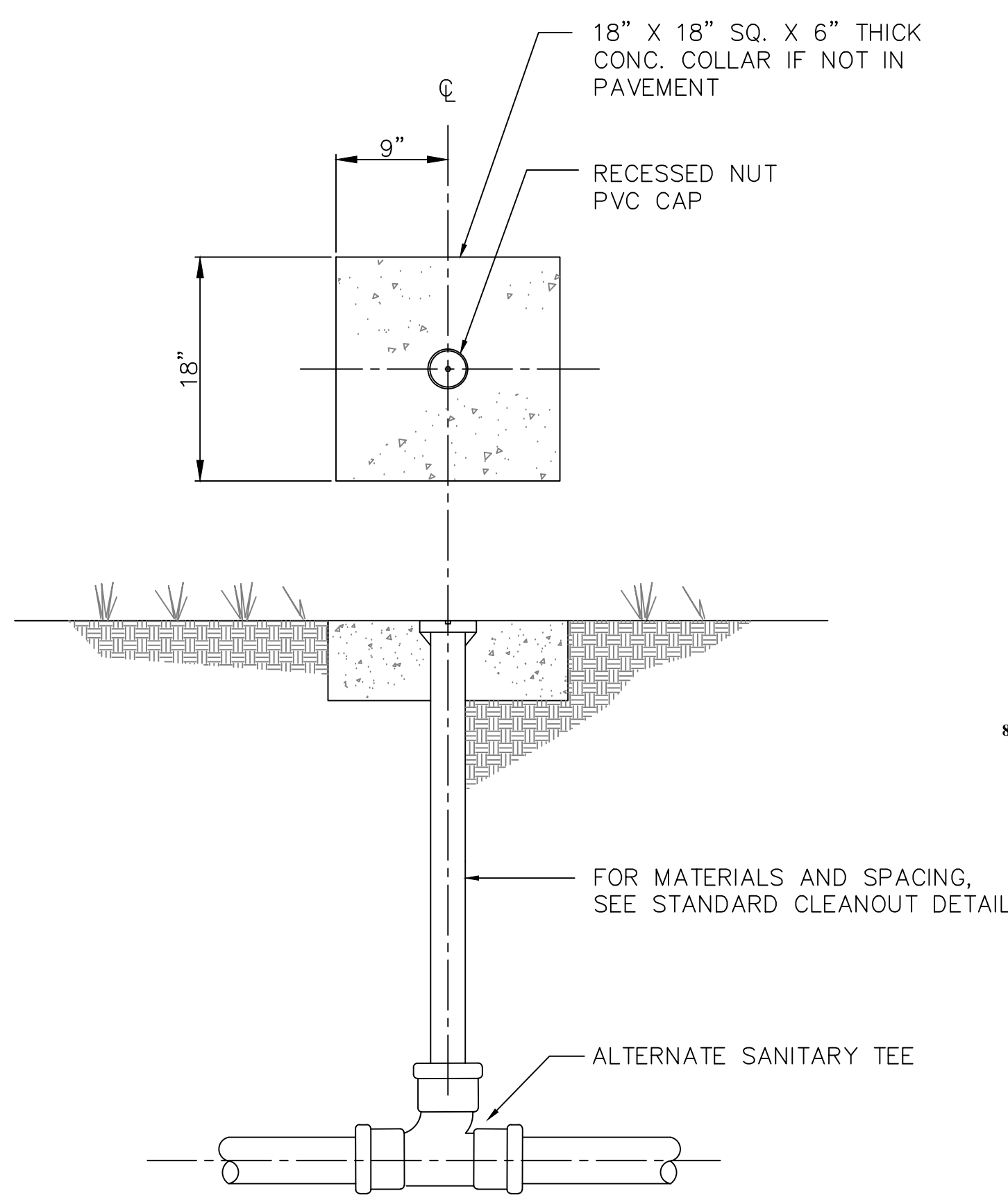


SANITARY SEWER NOTES

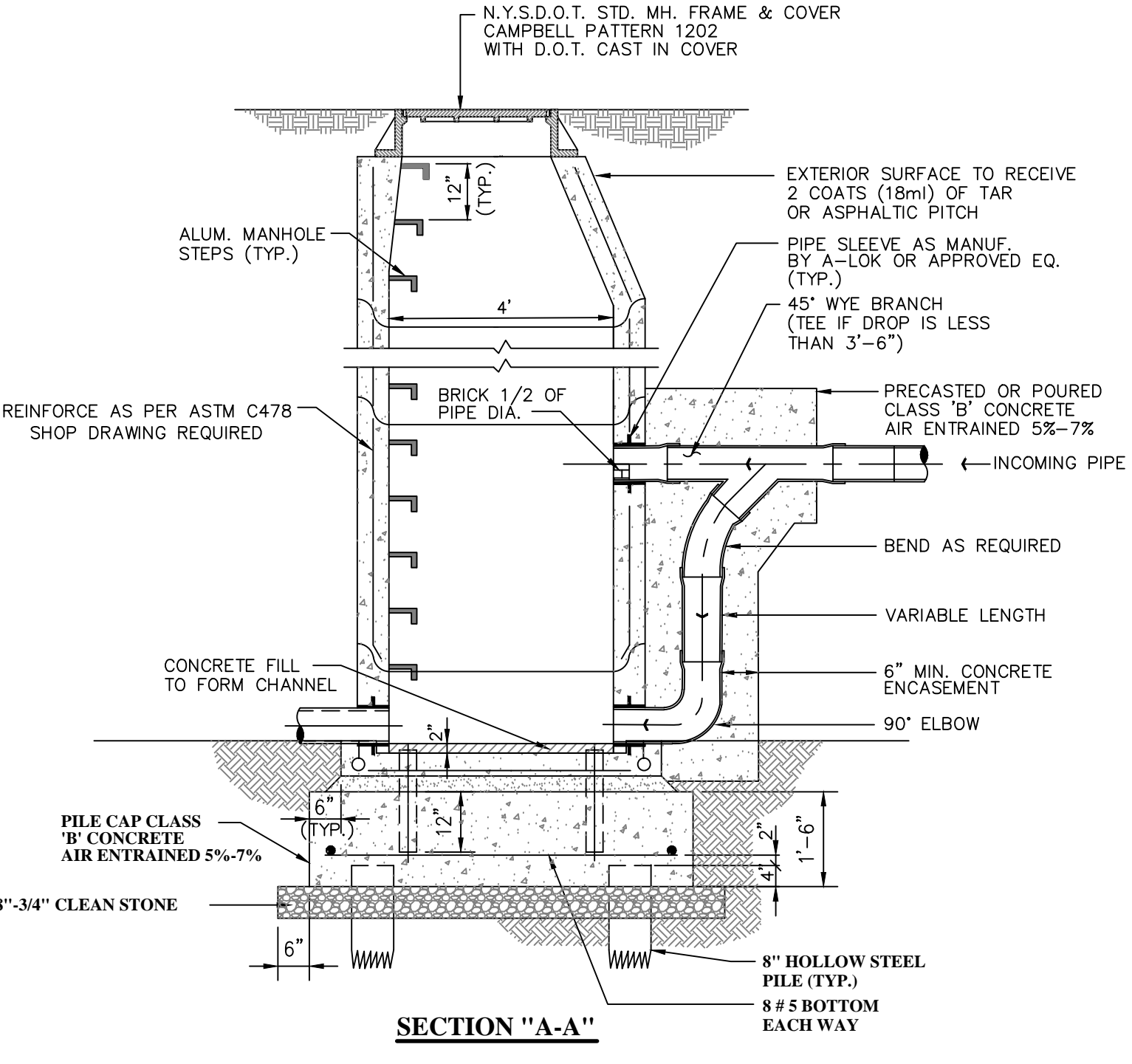
- ALL SANITARY SEWER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NYSDEC AND SHALL CONFORM TO THE STANDARDS OF THE TOWNSHIP ENGINEER.
- THE SANITARY SEWER SHALL BE SEPARATED FROM ALL WATER MAINS BY A MINIMUM OF TEN (10) FEET HORIZONTALLY AND/OR EIGHTEEN (18) INCHES VERTICALLY WHENEVER A CROSSING MAY OCCUR. THE WATER MAIN SHOULD BE LOCATED ABOVE THE SANITARY SEWER BY EIGHTEEN (18) INCHES MINIMUM. IF THIS SEPARATION CANNOT BE MET, THE SANITARY SEWER MUST BE ENCASED IN 6" OF CONCRETE FOR A DISTANCE OF TEN (10) FEET IN EACH DIRECTION FROM THE POINT OF CROSSING.
- THE TOWNSHIP ENGINEER SHALL BE NOTIFIED IN ADVANCE OF SEWER INSTALLATION. NO SEWERS SHALL BE INSTALLED WITHOUT INSPECTION BY THE TOWNSHIP ENGINEER.
- TRENCH REINFORCEMENT SHALL BE INSTALLED AS REQUIRED BY THE TOWNSHIP ENGINEER AND O.S.H.A.
- THE CONTRACTOR SHALL PERFORM AN INFILTRATION OR A LOW PRESSURE EXFILTRATION TEST, DEFLECTION TEST, AIR TEST AND VIDEO INSPECTION (VIA CLOSED-CIRCUIT TV) ON EACH SECTION OF THE PIPE BETWEEN MANHOLES. THE TOWNSHIP ENGINEER SHALL DESIGNATE THE TYPE OF TEST TO BE PERFORMED AND THE MANNER IN WHICH IT SHALL BE CONDUCTED. THE TEST SHALL BE WITNESSED BY THE TOWNSHIP ENGINEER.
- THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL MANHOLES IN THE AREA OF THE PROPOSED IMPROVEMENTS, AND THIS INFORMATION IS TO BE USED TO CONFIRM THE ELEVATION OF THE SANITARY LATERALS LEAVING BUILDINGS.
- ALL SANITARY SEWER LATERALS FROM BUILDINGS TO STREET SHALL BE COORDINATED WITH THE PLUMBING PLANS PRIOR TO THE START OF CONSTRUCTION.
- ALL SANITARY MANHOLES SHALL BE SET ON A BED OF 3/4" CRUSHED STONE, 6" THICK.
- MINIMUM DEPTH OF COVER FOR ALL SANITARY SEWERS SHALL BE 4'-0".
- ALL SANITARY SEWER LINES LOCATED WITHIN AREAS OF FILL SHALL BE CEMENT LINED DUCTILE IRON PIPE (CLASS 52). STONE BEDDING SHALL BE INSTALLED UNDER ALL SANITARY SEWERS WITHIN AREAS OF FILL. STONE BEDDING SHALL BE PLACED ON STABLE SOIL SUBSTRATUM.



STANDARD PRECAST SANITARY MANHOLE
NOT TO SCALE

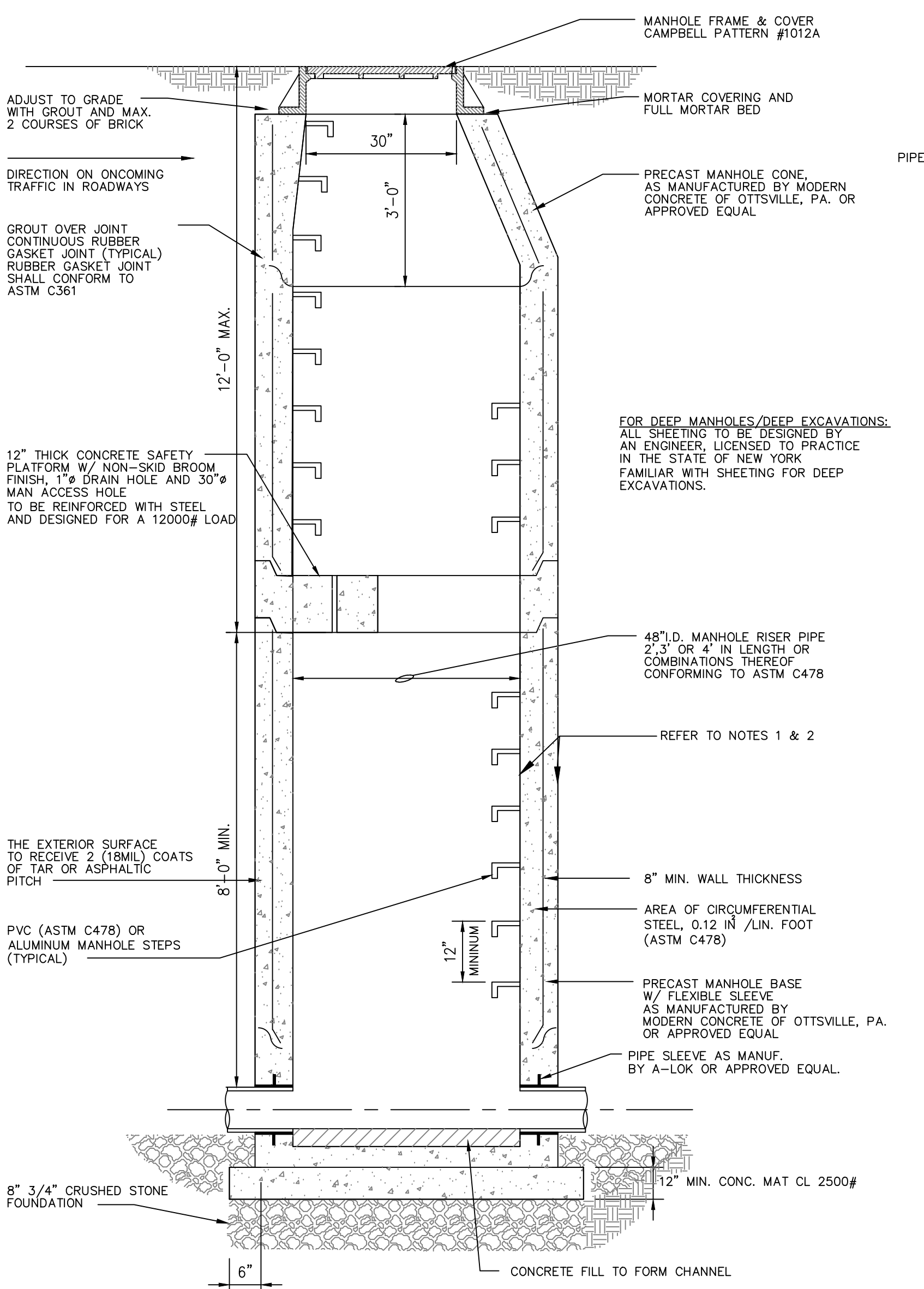


CLEANOUT DETAIL IN GRASSED AREAS
NOT TO SCALE

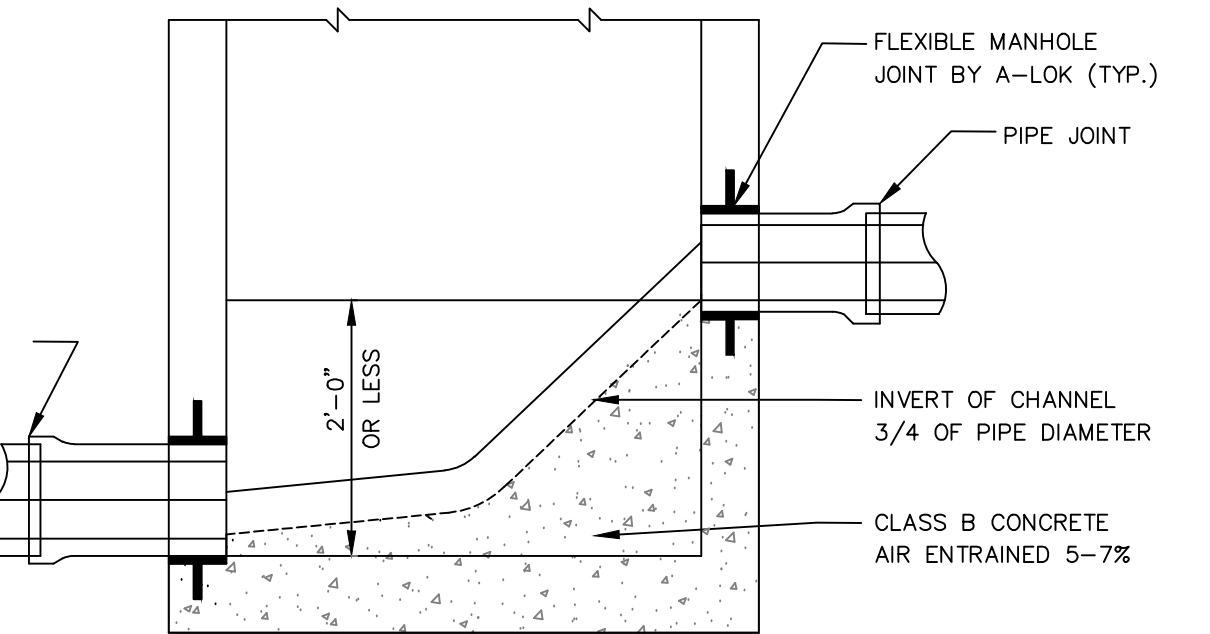


EXTERNAL PRECAST SANITARY DROP MANHOLE ON PILES DETAIL
NOT TO SCALE

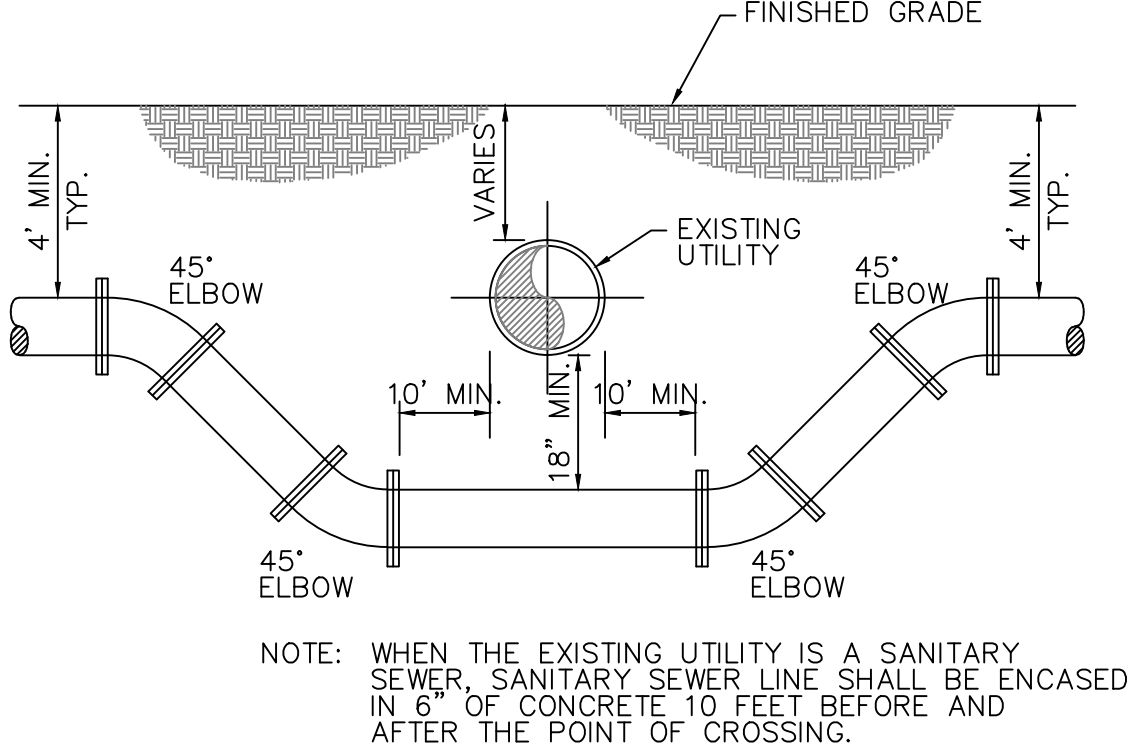
- NOTES:
1. PRECAST UNITS, APPLY (18 MIL) OF COAL TAR EPOXY TO EXTERNAL WALLS
2. BLOCK UNITS, APPLY 1/2" OF PARING TO INTERIOR & EXTERIOR WALLS AND (15 MIL) OF HOT ASPHALTIC TAR OR PITCH TO EXTERIOR WALLS



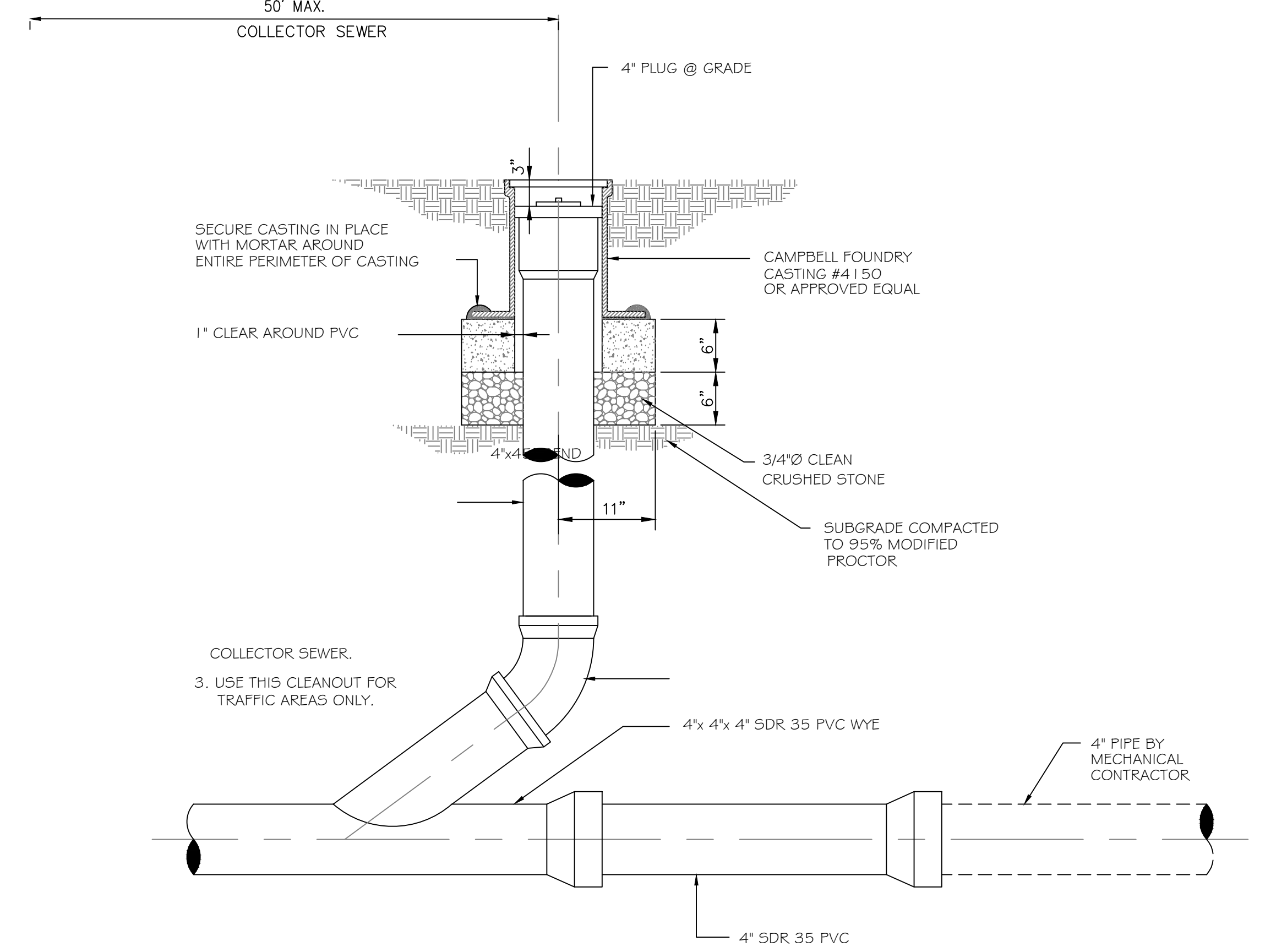
STANDARD MANHOLE (DEPTH > 12')
NOT TO SCALE



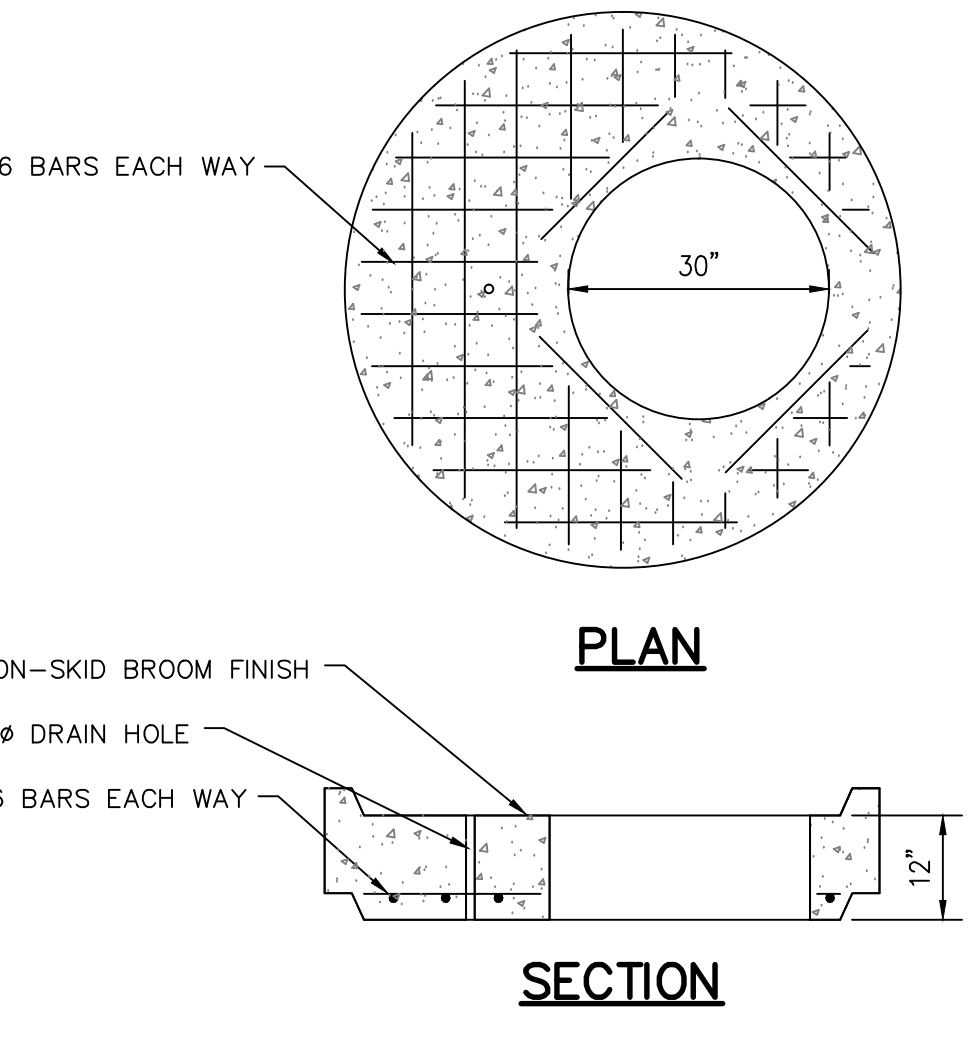
MANHOLE CHUTE DETAIL
NOT TO SCALE



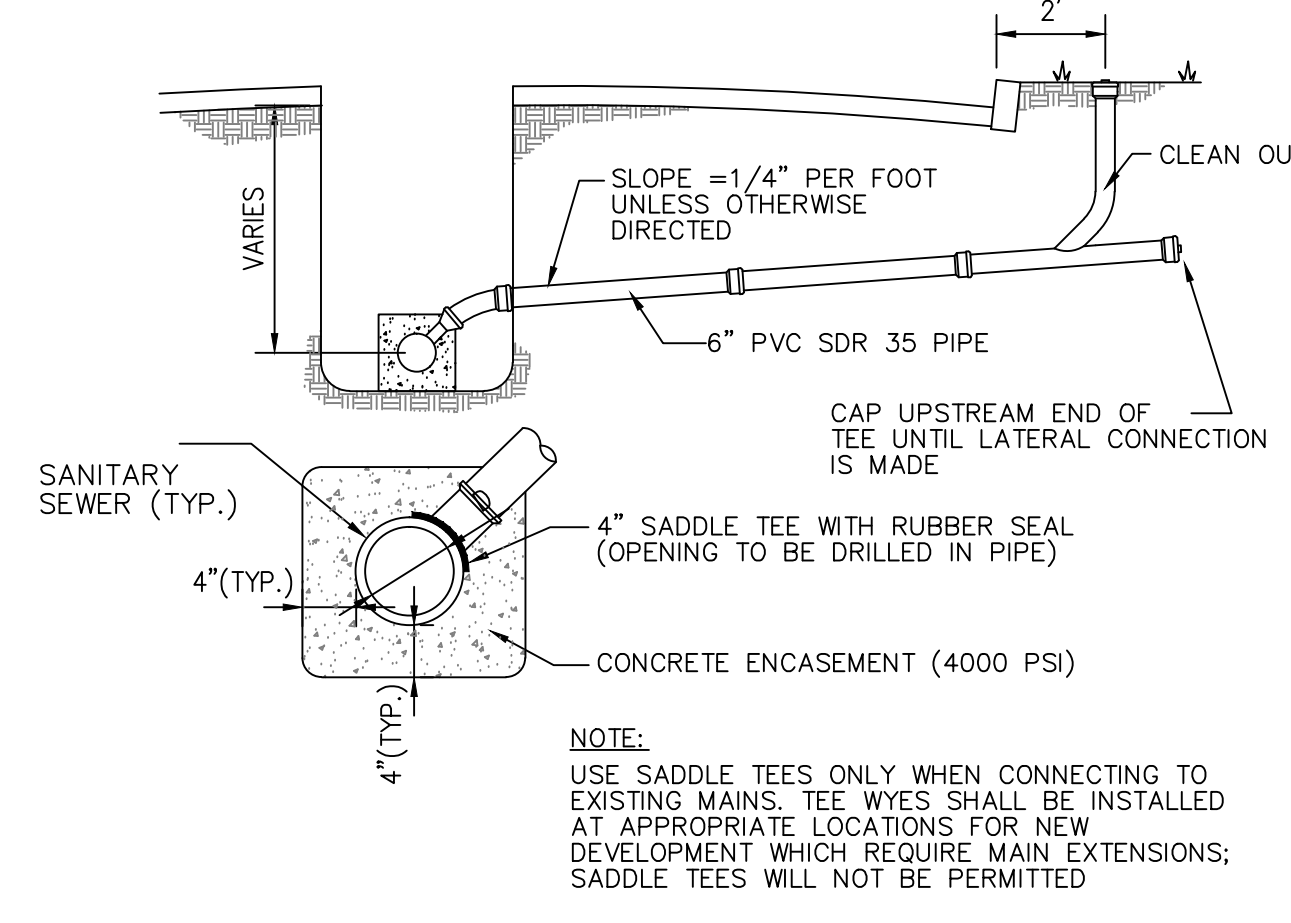
UTILITY CROSSING DETAIL
NOT TO SCALE



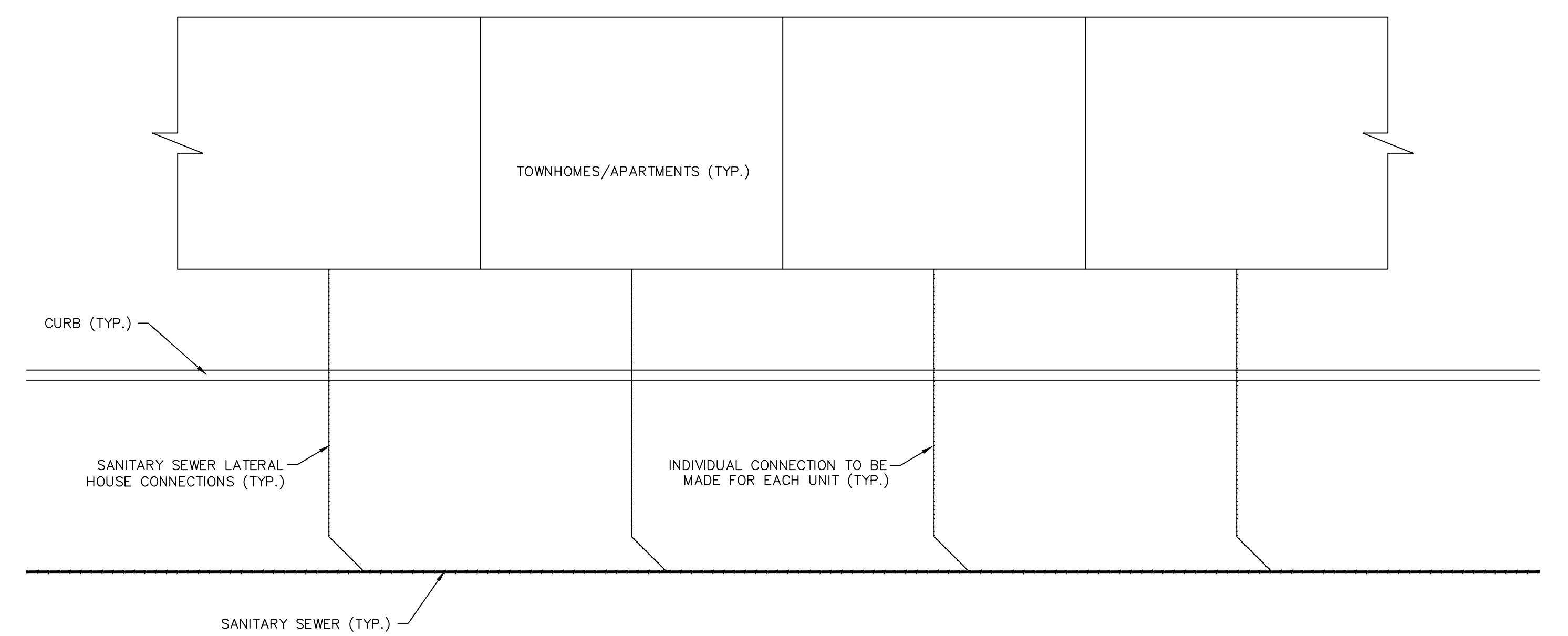
STANDARD CLEANOUT
NOT TO SCALE



DETAIL OF SAFETY PLATFORM
NOT TO SCALE



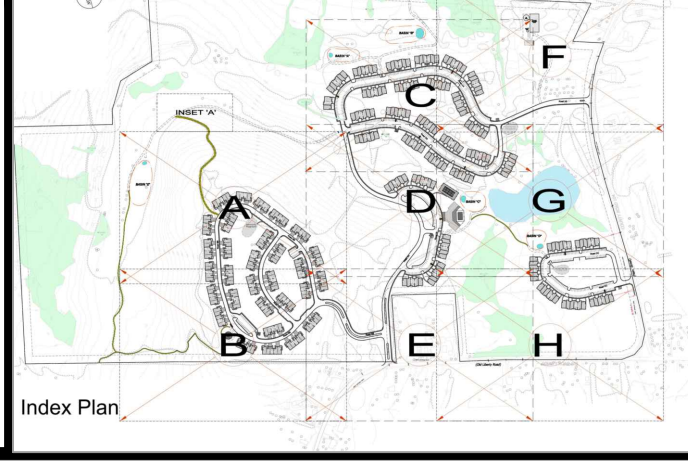
SANITARY SEWER TYPICAL HOUSE CONNECTION DETAIL
NOT TO SCALE



TYPICAL LATERAL CONNECTION (PLAN VIEW)
NOT TO SCALE

- NOTES:
1. PRECAST UNITS, APPLY (18 MIL) OF COAL TAR EPOXY TO EXTERNAL WALLS
2. BLOCK UNITS, APPLY 1/2" OF PARING TO INTERIOR & EXTERIOR WALLS AND (15 MIL) OF HOT ASPHALTIC TAR OR PITCH TO EXTERIOR WALLS

IF IN A POSITION OF THE ENGINEER, ARCHITECT OR DESIGNER, THE CONTRACTOR SHALL BE ADVISED BY THE CONTRACTOR, NOTY PAULUS, SPOKOLSKI AND SHAW OF ANY CONFLICTS, ERRORS, OMISSIONS OR DISCREPANCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THEM BY THE CLIENT. THEY ARE NOT TO BE HELD RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THEM BY THE CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THEM BY THE CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THEM BY THE CLIENT.



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LISA A. DIGEROLAMO, P.E.
PROFESSIONAL ENGINEER
NEW YORK LIC. NO. 086749
SIGNATURE DATE 7/1/2016

REV	DATE	DESCRIPTION
02/10/16	02/10/16	PRE-ISSUE FOR TEAM REVIEW
05/11/16	05/11/16	PRELIMINARY SITE PLAN REVIEW
07/5/16	07/5/16	SUBMISSION TO PLANNING BOARD

PROJECT TITLE
PRELIMINARY & FINAL SITE PLAN
Gan-Eden Estates
TOWN OF THOMPSON SULLIVAN COUNTY NEW YORK
TAX LOT SECTION 2, BLOCK 1/ LOT 6.3

SHEET TITLE
SANITARY SYSTEM DETAILS & NOTES

INITIAL DATE	12/04/2015	JOB NO.	01895/0053
SCALE	AS SHOWN	B/O	
DRAWN	CY/AM	SHEET NO.	C-18
CHKD.	AG/LAD		72 OF 79