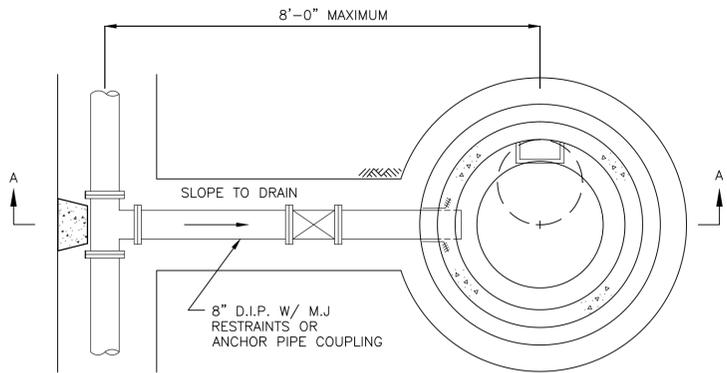
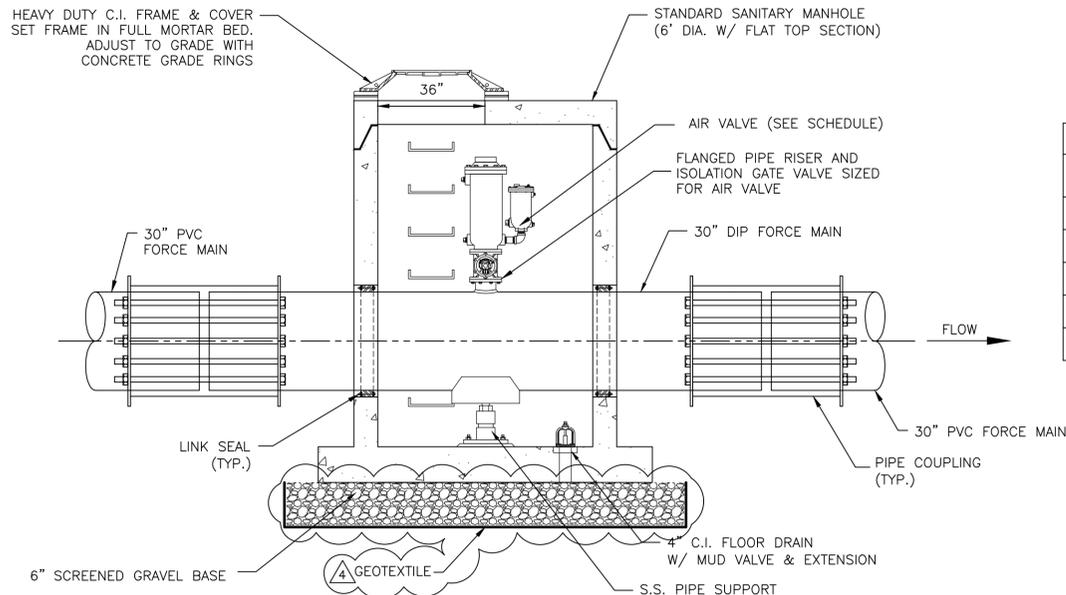


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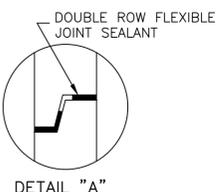


PLAN AT INVERT

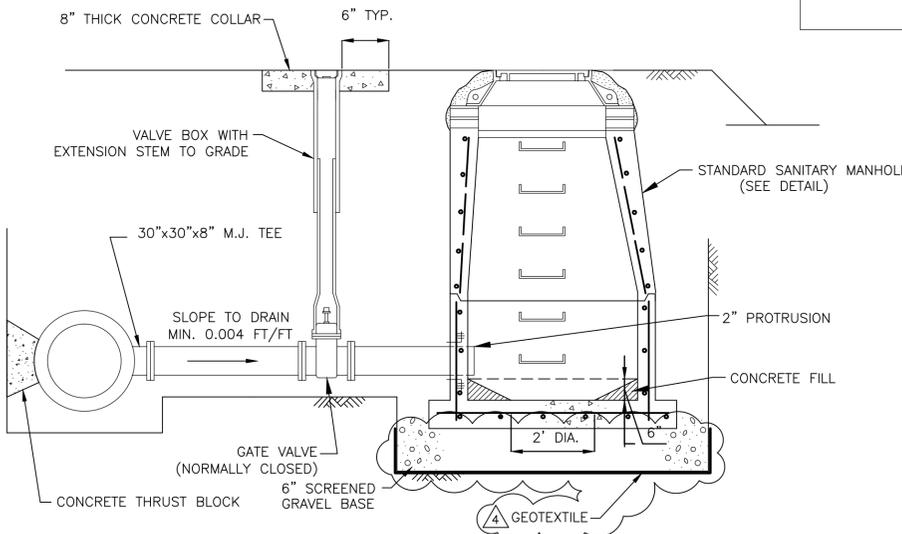


AIR VALVE MANHOLE DETAIL

AIR VALVE MANHOLE SCHEDULE		
#	AIR VALVE TYPE	AIR VALVE SIZE
1	COMBINATION	6"
2	COMBINATION	6"
3	AIR RELEASE	4"
4	COMBINATION	6"
5	COMBINATION	4"



DETAIL "A"

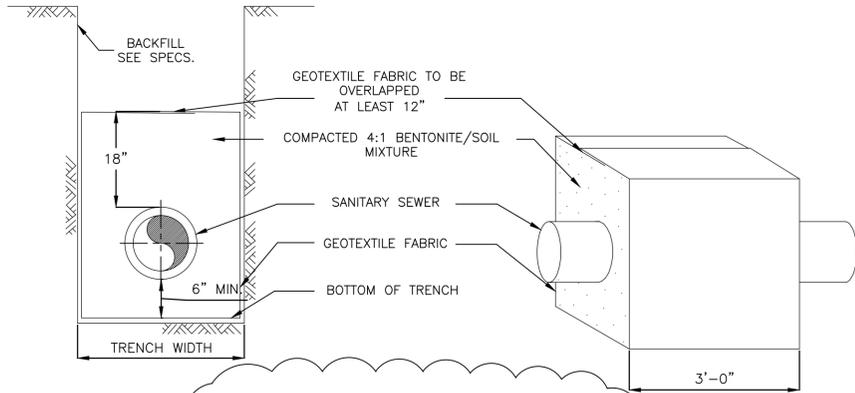


SECTION A-A

NOTES:

1. SEE "STANDARD SANITARY MANHOLE" DETAIL FOR ADDITIONAL INFORMATION
2. ALL PIPING TO BE MECHANICAL JOINT W/ RETAINER GLANDS.
3. 30" FORCE MAIN REQUIRES 30"x8" TEE, 8" PIPE AND 8" GATE VALVE.
4. INSTALL MANHOLE ON SIDE OF FORCE MAIN INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE OWNER.

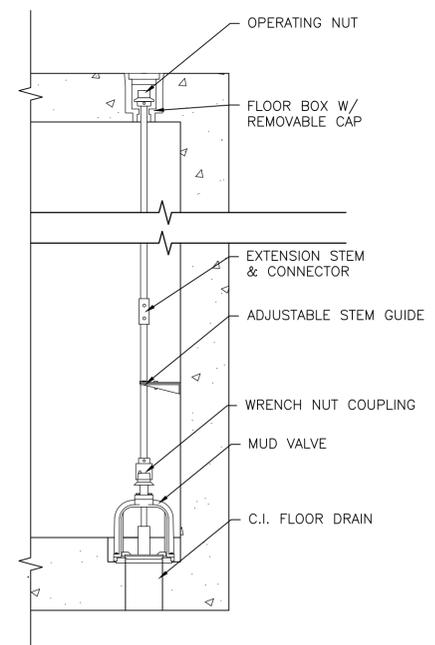
FORCE MAIN DRAIN MANHOLE



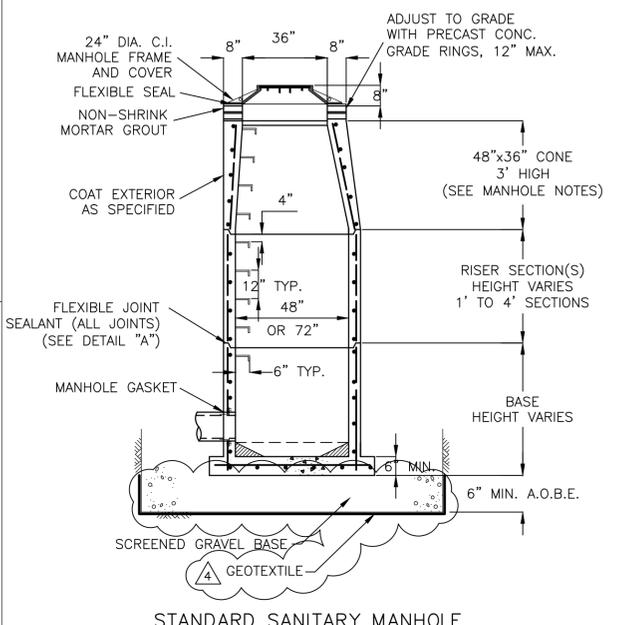
TRENCH DAM

NOTE: THE USE AND FREQUENCY OF TRENCH DAMS SHALL BE DETERMINED AS ORDERED BY ENGINEER.

NOTE: PROVIDE TRENCH DAMS 33' ON-CENTER WHEREVER TRENCH GRADE IS 10% AND GREATER.



MUD VALVE EXTENSION STEM & FLOOR BOX DETAIL
N.T.S



STANDARD SANITARY MANHOLE

MANHOLE NOTES

1. ALL PRECAST MANHOLES SHALL COME EQUIPPED WITH MANHOLE STEPS AS SHOWN. ARRANGE STEPS UNIFORMLY UNDER FRAME AND COVER OPENING TO PROVIDE SAFE ACCESS TAKING INTO CONSIDERATION PIPING CONFIGURATIONS AT EACH LOCATION PER APPROVED SHOP DRAWINGS. MANHOLE STEPS SHALL NOT BE STAGGERED.
2. IN UNDEVELOPED LOCATIONS, TOP OF MANHOLE COVER ELEVATION SHALL BE 6" ABOVE EXISTING GROUND AND BERMED AS INDICATED OR AS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
3. UNUSED KNOCKOUTS SHALL BE FILLED WITH NON-SHRINK GROUT.
4. ALL MANHOLES SHALL HAVE A C.I. MANHOLE FRAME AND COVER LETTERED "SANITARY SEWER".
5. WHERE SHALLOW INSTALLATION DOES NOT PERMIT THE USE OF A CONE-TYPE SECTION, A REINFORCED PRECAST CONCRETE FLAT TOP SLAB SHALL BE INSTALLED.
6. ALL FORCE MAIN DRAIN MANHOLES SHALL BE 4'-0" INSIDE DIAMETER. ALL AIR VALVE MANHOLES SHALL BE 6'-0" INSIDE DIAMETER.
7. PRECAST MANHOLES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM C478.
8. MANHOLES SHALL BE VACUUM TESTED PER ASTM C1244 PRIOR TO BACKFILLING.

ADDENDUM NUMBER 3

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING



MARK	DATE	DESCRIPTION	BY	APP'D	SCALE
0	4/25/13	ISSUED FOR DEEP APPROVAL	JIG	CCC	PROJECT NO.: 14712.02
1	7/22/13	REVISED PER DEEP COMMENTS	JIG	CCC	DESIGNED BY: CC
2	7/22/13	ISSUED FOR BID	JIG	CCC	DRAWN BY: JG
3	8/23/13	REVISED PER ADDENDUM NUMBER 2	JIG	CCC	CHK'D BY: CCC/MJK
4	9/10/13	REVISED PER ADDENDUM NUMBER 3	JIG	CCC	DATE: 07/22/13
					SCALE: AS SHOWN

SEWAGE FORCE MAIN
MIDDLETOWN, CONNECTICUT

MISCELLANEOUS DETAILS I

DRAWING NO.

C504

SHEET 43 OF 61