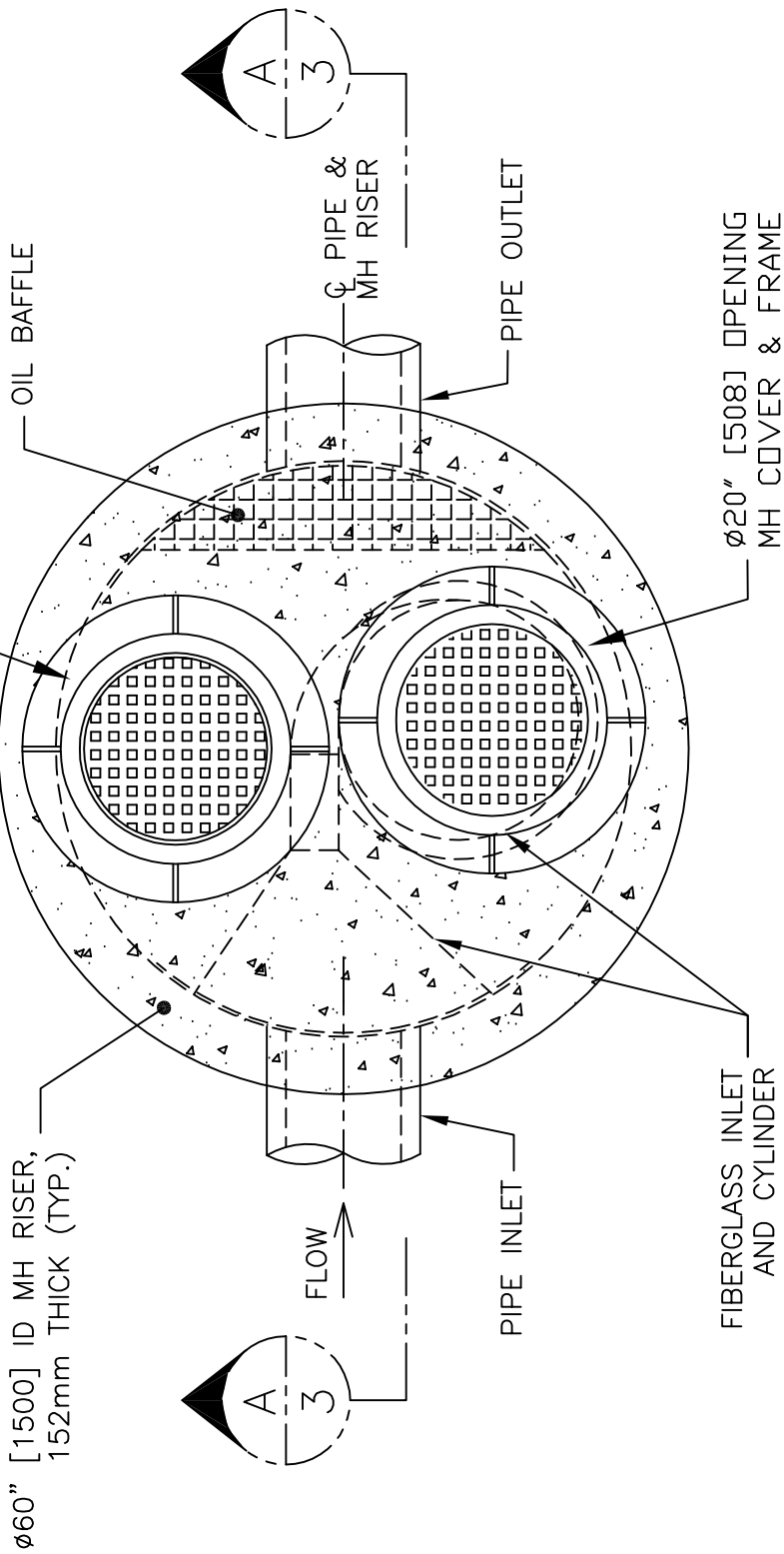


PLAN VIEW
TYPICAL / GENERIC
INSTALLATION



NOTE:
THE INTERNAL COMPONENTS ARE SHOWN IN THE RIGHT-HAND
CONFIGURATION—THESE COMPONENTS MAY BE FURNISHED IN THE
MIRROR IMAGE TO THAT SHOWN (LEFT-HAND CONFIGURATION).

CDS MODEL PMSU20_25
STORM WATER TREATMENT UNIT



PROJECT NAME

JOB#

DATE:

DRAWN:

APPROV.

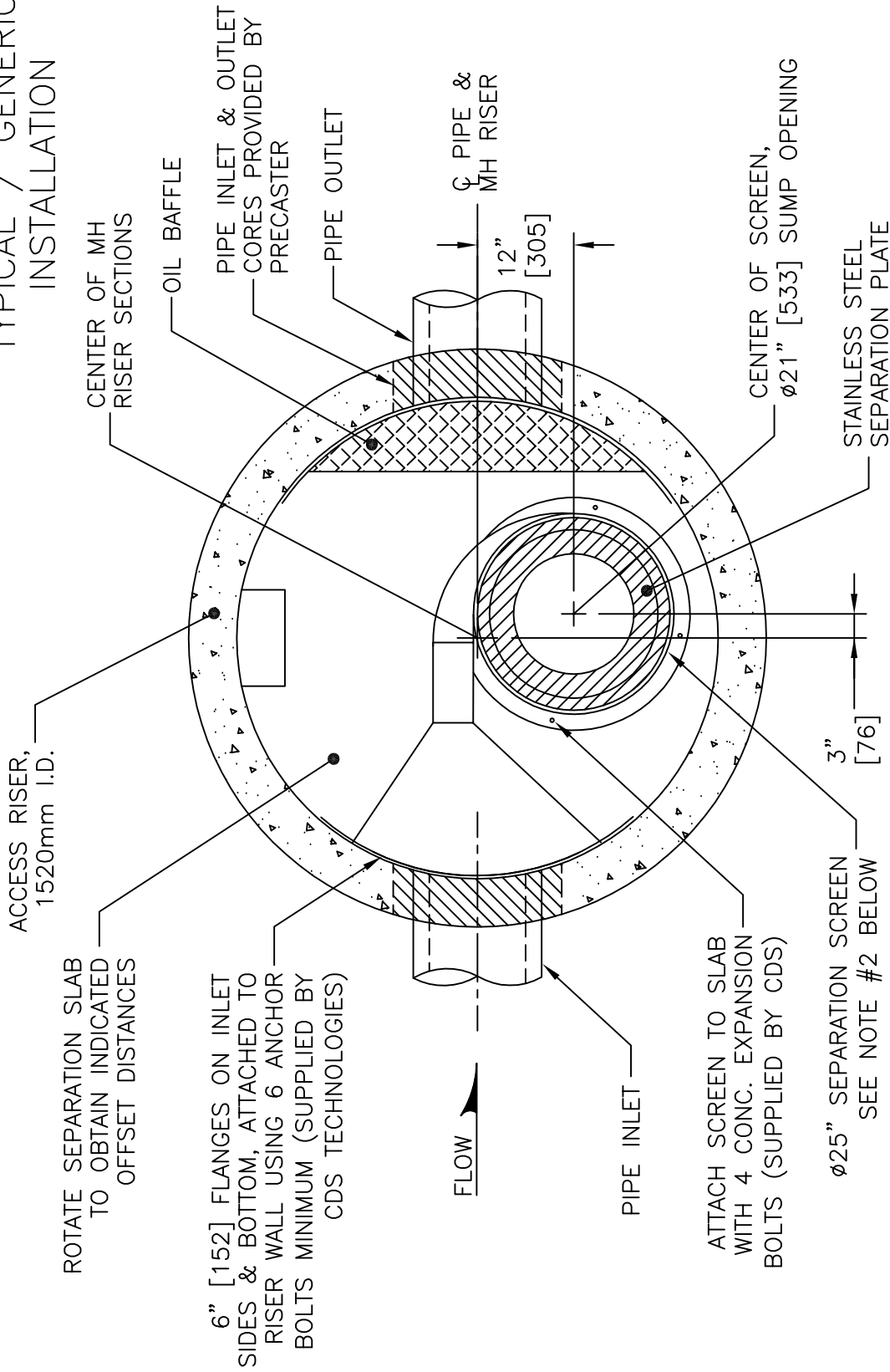
SCALE
1:20

SHEET

1

SECTION B-B

TYPICAL / GENERIC INSTALLATION



ACCESS RISER, 1520mm I.D.

ROTATE SEPARATION SLAB TO OBTAIN INDICATED OFFSET DISTANCES

6" [152] FLANGES ON INLET SIDES & BOTTOM, ATTACHED TO RISER WALL USING 6 ANCHOR BOLTS MINIMUM (SUPPLIED BY CDS TECHNOLOGIES)

FLOW

PIPE INLET

ATTACH SCREEN TO SLAB WITH 4 CONC. EXPANSION BOLTS (SUPPLIED BY CDS)

3" [76] SEPARATION SCREEN SEE NOTE #2 BELOW

NOTES:

1. THE INTERNAL COMPONENTS ARE SHOWN IN THE RIGHT-HAND CONFIGURATION—THESE COMPONENTS MAY BE FURNISHED IN THE MIRROR IMAGE TO THAT SHOWN (LEFT-HAND CONFIGURATION).
2. FOR PROPER INSTALLATION, GREEN FLANGE ON SCREEN FACES UP FOR RIGHT-HAND INSTALLATIONS, RED FLANGE FACES UP FOR LEFT-HAND ORIENTED UNITS.

CDS MODEL PMSU20_25

STORM WATER TREATMENT UNIT



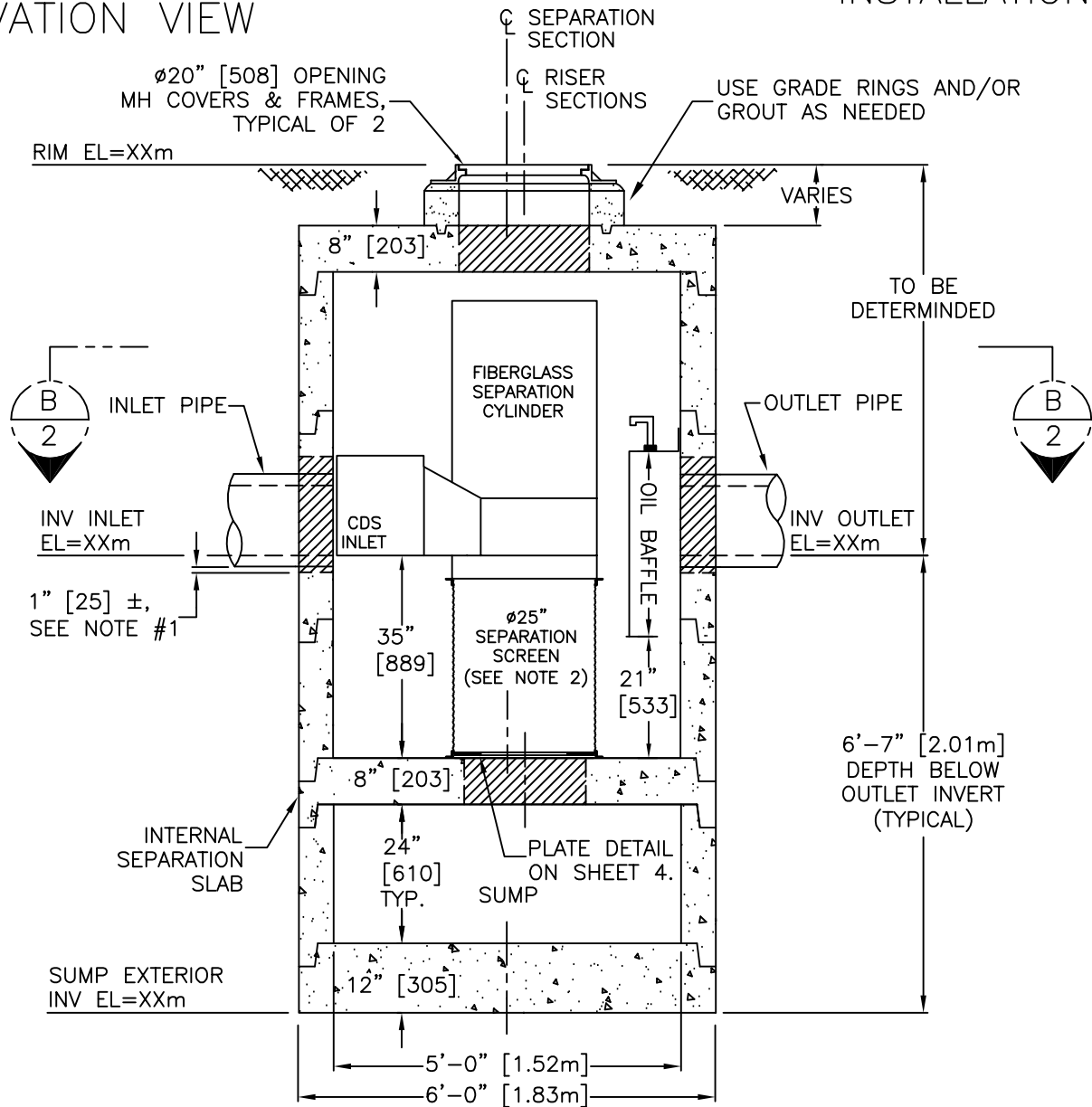
PROJECT NAME

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2

SECTION A-A
ELEVATION VIEW

TYPICAL / GENERIC
INSTALLATION



NOTES:

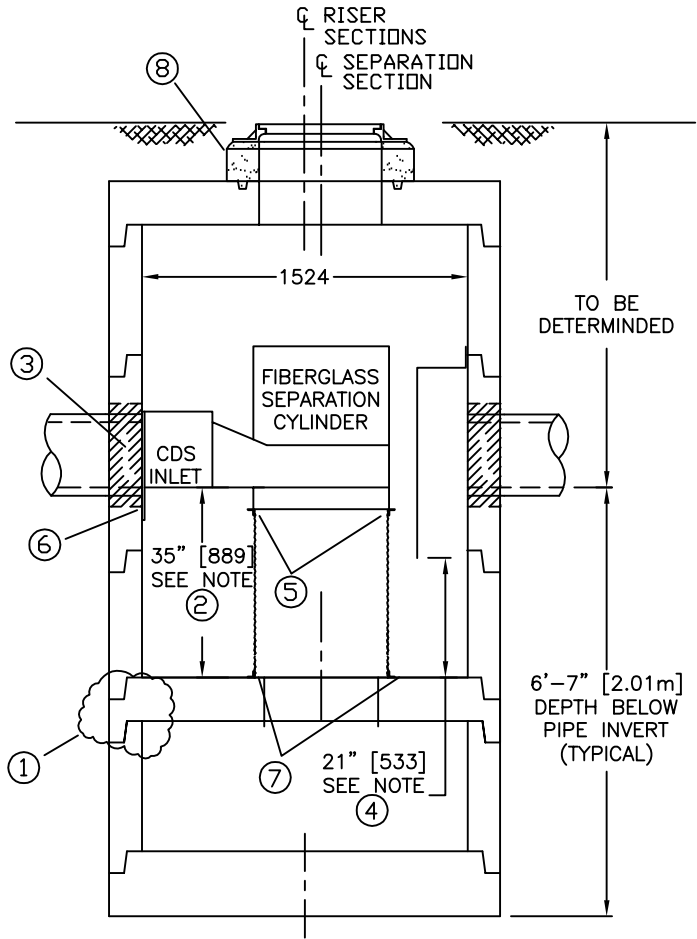
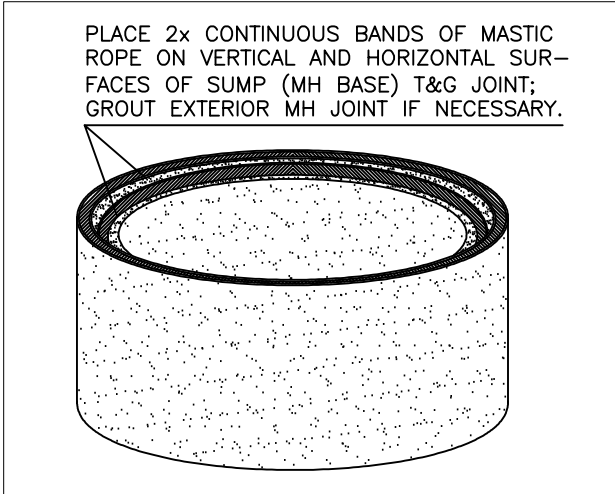
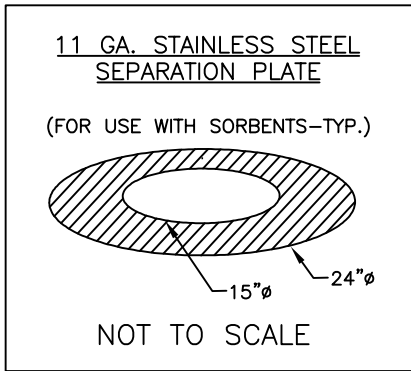
1. THE INTERNAL COMPONENTS ARE SHOWN IN THE RIGHT-HAND CONFIGURATION—THESE COMPONENTS MAY BE FURNISHED IN THE MIRROR IMAGE TO THAT SHOWN (LEFT-HAND CONFIGURATION).
2. FOR PROPER INSTALLATION, GREEN FLANGE ON SCREEN FACES UP FOR RIGHT-HAND INSTALLATIONS, RED FLANGE FACES UP FOR LEFT-HAND ORIENTED UNITS.

CDS MODEL PMSU20_25
STORM WATER TREATMENT UNIT



PROJECT NAME

JOB#	SCALE 1:30
DATE:	SHEET
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APPROV.	



CONSTRUCTION NOTES:

1. APPLY BUTYL MASTIC AND/OR GROUT TO SEAL JOINTS OF MANHOLE STRUCTURE. APPLY LOAD TO MASTIC SEAL IN JOINTS OF MH SECTIONS TO COMPRESS SEALANT IF NECESSARY. UNIT MUST BE WATER TIGHT, HOLDING WATER UP TO FLOWLINE INVERT (MINIMUM).
2. IF SEPARATION SLAB IS NON-INTEGRAL TO THE SEPARATION SECTION OF THE UNIT, SET AND VERIFY TOP ELEVATION BEFORE PLACING MORE PRECAST COMPONENTS OR BACKFILLING. ENSURE 889mm (35") FROM TOP OF SEPARATION SLAB TO PIPE INVERT.
3. ROTO-HAMMER OR SAW-CUT OPENINGS FOR PIPE INLET AND OUTLET AS NECESSARY; GROUT PIPE CONNECTIONS TO SEAL JOINT.
4. SET BOTTOM OF OIL BAFFLE 533mm (21") ABOVE SEPARATION SLAB FLOOR; DRILL AND INSERT A MINIMUM OF TEN (10) 3/8" x 3 3/4" SS EXPANSION BOLTS @ 304mm O.C. EQUALLY SPACED TO SECURE FIBERGLASS OIL BAFFLE FLANGE TO RISER WALL-(HARDWARE SUPPLIED BY CDS TECHNOLOGIES).
5. FASTEN FIBERGLASS CYLINDER/INLET TO SCREEN ASSEMBLY USING FOUR (4) SETS OF 1/2" x 1 1/2" SS HEX HEAD BOLTS W/ NUTS AND WASHERS-(HARDWARE SUPPLIED BY CDS TECHNOLOGIES). IN THE LEFT-HANDED CONFIGURATION THE "RED" COLORED FLANGE ON THE SCREEN CYLINDER SHALL FACE UP. IN THE RIGHT-HANDED CONFIGURATION, THE "GREEN" COLORED FLANGE SHALL FACE UP.
6. CENTER SCREEN ASSEMBLY OVER SUMP OPENING AND POSITION FIBERGLASS INLET AGAINST RISER WALL; DRILL AND INSERT A MINIMUM OF SIX (6) 3/8" x 3 3/4" SS EXPANSION BOLTS EQUALLY SPACED TO SECURE FIBERGLASS INLET FLANGE TO RISER WALL-(HARDWARE SUPPLIED BY CDS TECHNOLOGIES).
7. VERIFY THAT SCREEN ASSEMBLY IS CENTERED OVER SUMP ACCESS HOLE AND ADJUST IF NECESSARY; FASTEN SCREEN TO SEPARATION SLAB USING FOUR (4) 3/8" x 3 3/4" SS EXPANSION BOLTS-(HARDWARE SUPPLIED BY CDS TECHNOLOGIES).
8. BLOCK AND GROUT SEAL TO MATCH GRADE AS REQUIRED.



CDS MODEL PMSU20_25 CONSTRUCTION NOTES

JOB#

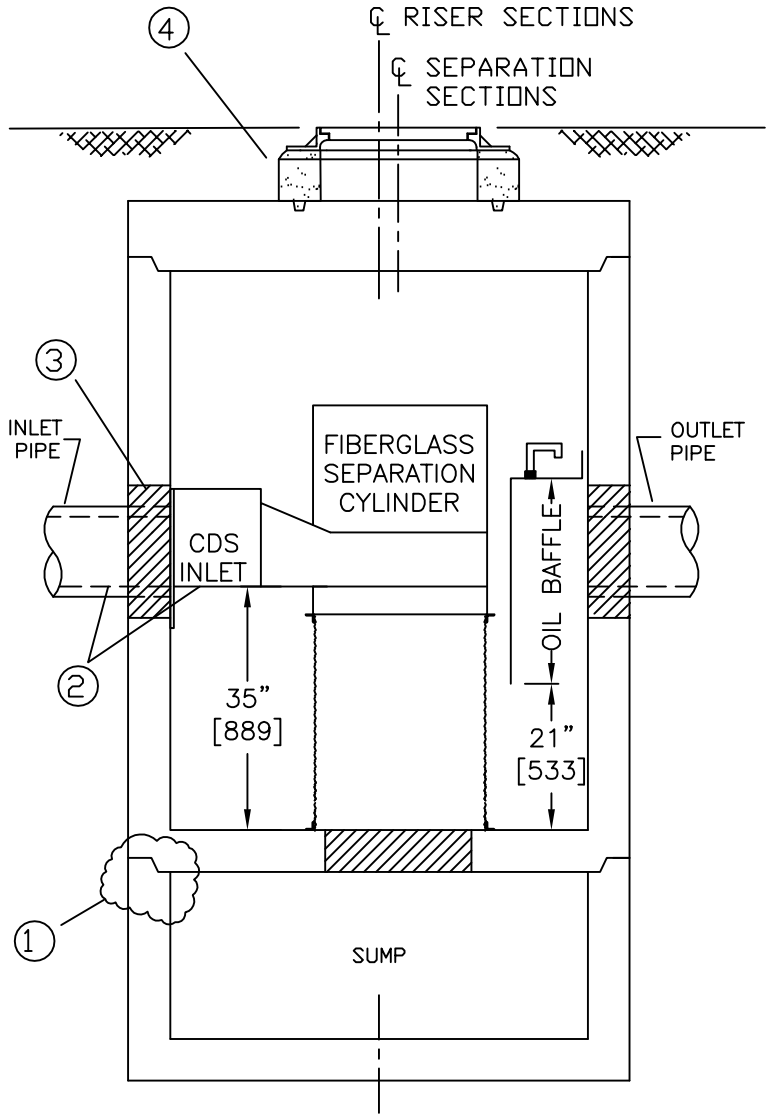
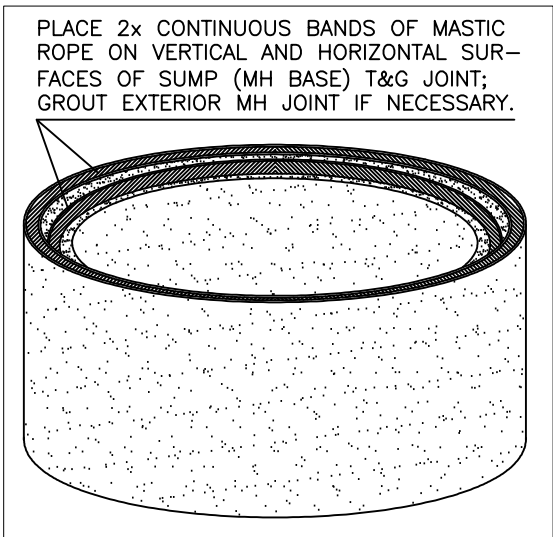
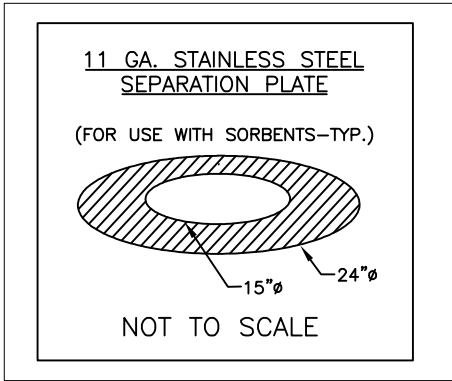
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SCALE
N.T.S.
SHEET

4



CONSTRUCTION NOTES:

1. APPLY BUTYL MASTIC TO SEAL JOINTS OF MANHOLE STRUCTURE (SEE INSET DETAIL DRAWING); APPLY GROUT TO EXTERIOR T&G JOINTS OF MH SECTIONS TO COMPLETELY SEAL IF NECESSARY (UNIT MUST BE WATER TIGHT, HOLDING WATER UP TO FLOWLINE INVERT, MINIMUM).
2. BEFORE PLACING MORE PRECAST COMPONENTS OR BACKFILLING, ENSURE FIBERGLASS INLET AND PIPE INLET INVERTS MATCH ELEVATIONS (CERTAIN JOBS WILL HAVE INLET PIPE HIGHER THAN FIBERGLASS INLET).
3. GROUT PIPE CONNECTIONS TO SEAL JOINT.
4. USE GRADE RINGS, BLOCKS AND/OR GROUT TO ENSURE COVER RIM MATCHES FINISHED GRADE. SEAL AS REQ'D.

GENERAL NOTES:

- A. THE CDS UNIT ARRIVES TO THE JOB SITE WITH THE STAINLESS STEEL SCREEN CYLINDER, FIBERGLASS CYLINDER/INLET AND OIL BAFFLE PRE-INSTALLED.
- B. INSTALL CDS UNIT PER CDS INSTALLATION SPECIFICATIONS.
- C. CONTRACTOR TO BE EQUIPPED TO HANDLE THE HEAVIEST PICK SECTION (APPROX. 5,350 LBS.).



CDS MODEL PMSU20_25 CONSTRUCTION NOTES

JOB#	SCALE N.T.S. SHEET 4
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