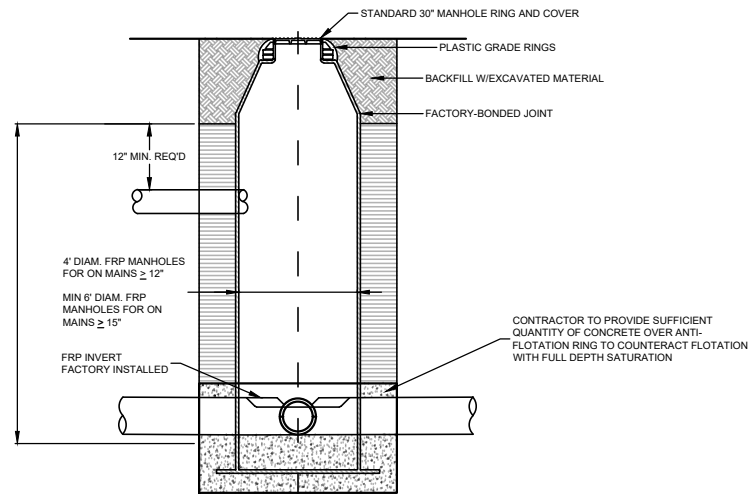
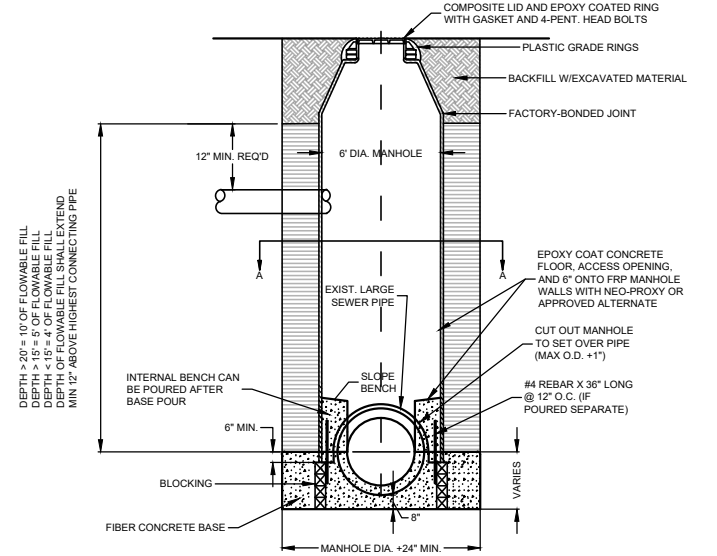


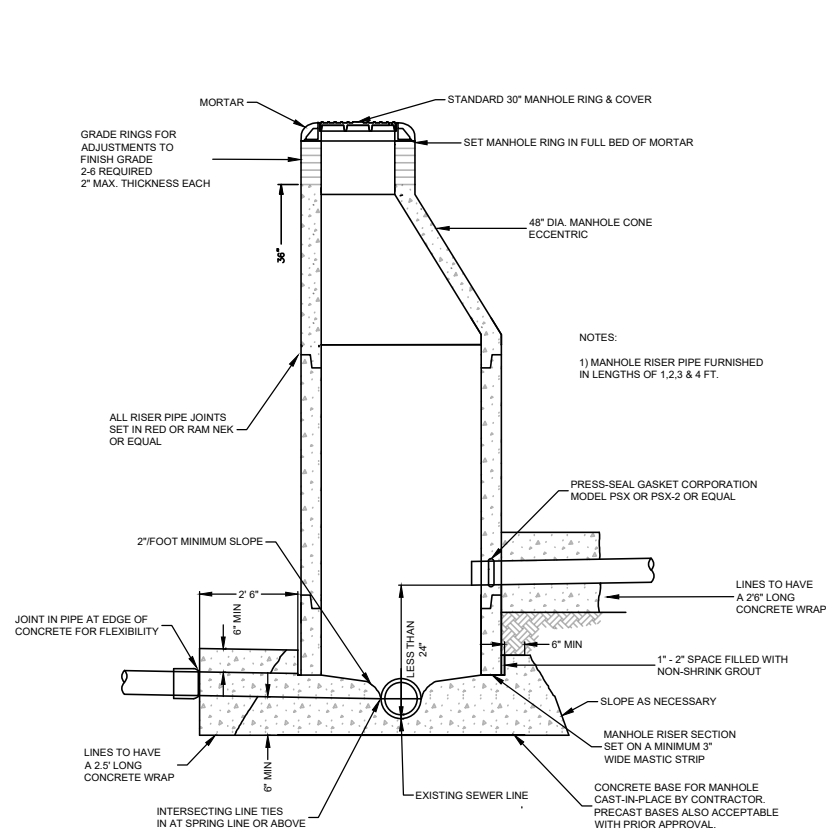
FIBERGLASS MANHOLE DETAIL
12" AND SMALLER MAINS



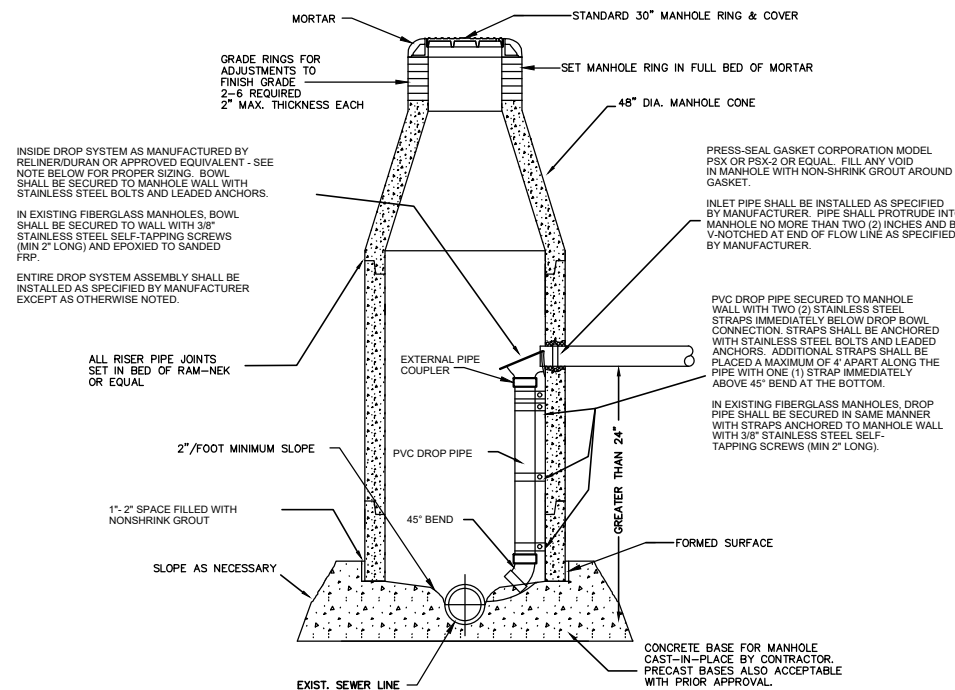
FIBERGLASS MANHOLE DETAIL
WATERTIGHT MANHOLES



FIBERGLASS MANHOLE DETAIL
15" AND LARGER MAINS



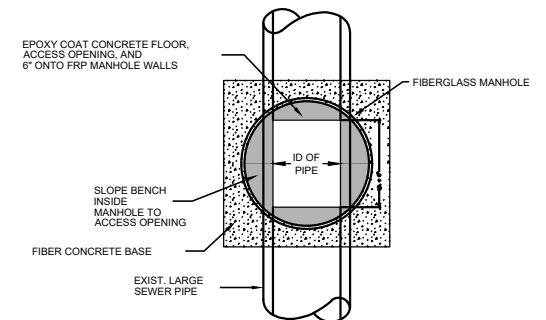
INTERSECTING LINE DETAIL



RELINER BOWL SIZING NOTES:

- 1) "A" BOWL WITH 4" OUTLET WILL SERVICE UP THROUGH FULL 6" INLETS.
- 2) "A" BOWL WITH 6" OUTLET WILL SERVICE UP THROUGH FULL 8" INLETS OR WITH 10"/12" INLETS WITH MODERATE FLOWS.
- 3) "B" BOWL WITH 8" OUTLET WILL SERVICE UP THROUGH FULL 10" INLETS.
- 2) "B" BOWL WITH 10" OUTLET WILL SERVICE UP THROUGH FULL 12" INLETS OR WITH 15"/16" INLETS WITH MODERATE FLOWS.

DROP ASSEMBLY DETAIL

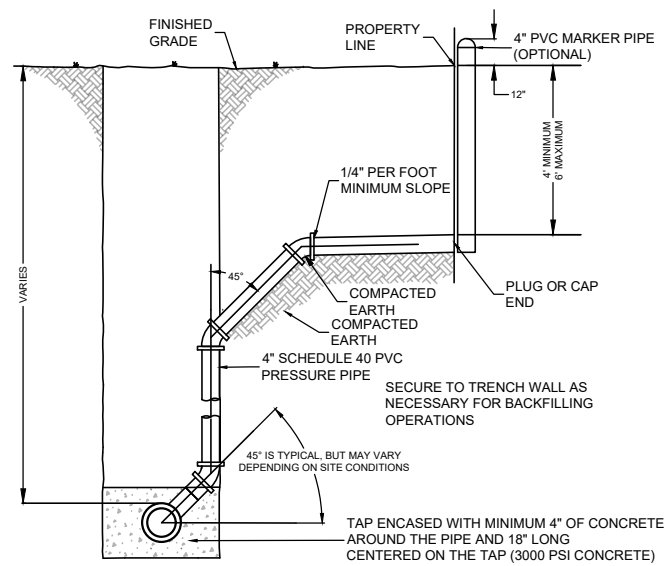


SECTION A-A

STANDARD DETAIL SHEET (WASTEWATER)

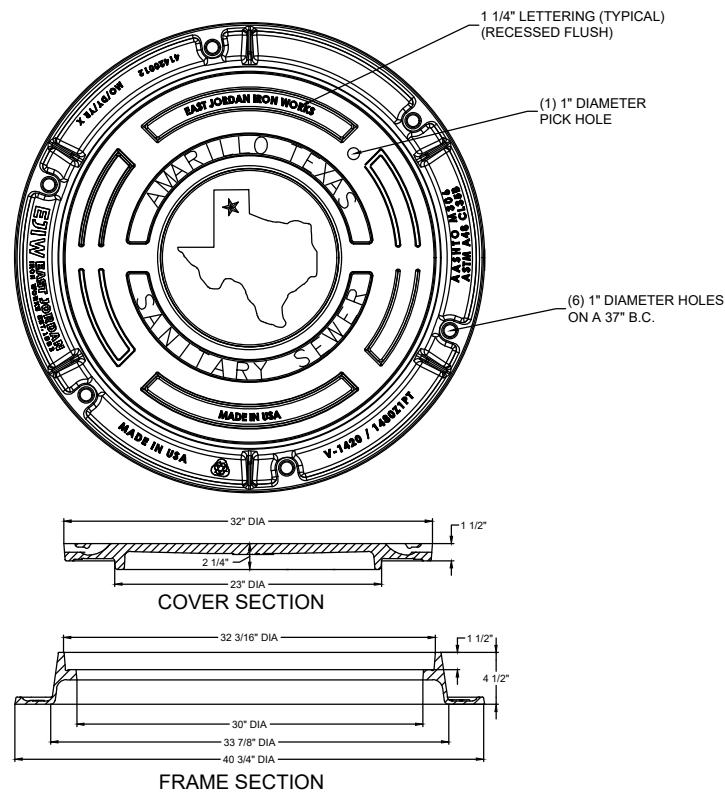
DRAWN BY: K. C. Cook	REVISED BY: R. RICH
APPROVED BY: Kyle Schniederjan	
PATH: K:\CAD\UT\Standards\Sewer Detail 2017.dgn	
HORZ. SCALE NTS	DATE 1/12/2017
VERT. SCALE NTS	DATE 8/05/2025
W.O. NO.	SHEET SD-S-1



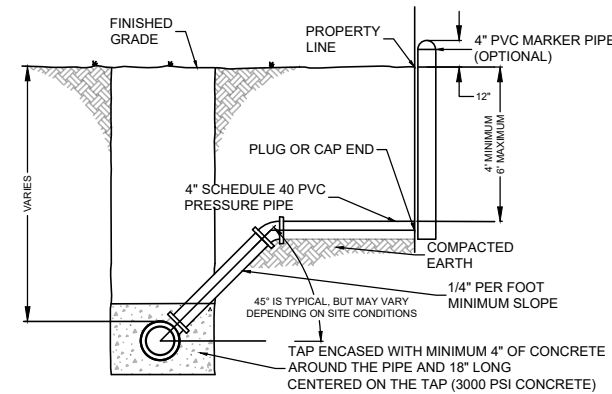


- NOTES:
- 1) TAPS 8" OR LARGER REQUIRE CONSTRUCTION OF A MANHOLE
 - 2) TAP TO BE PLACED AT THE APPROXIMATE MIDPOINT OF THE LOT BEING SERVED
 - 3) THIS DETAIL SHALL APPLY WHEN DEPTH OF SEWER MAIN EXCEEDS APPROXIMATELY 10'

DEEP SEWER TAP DETAIL

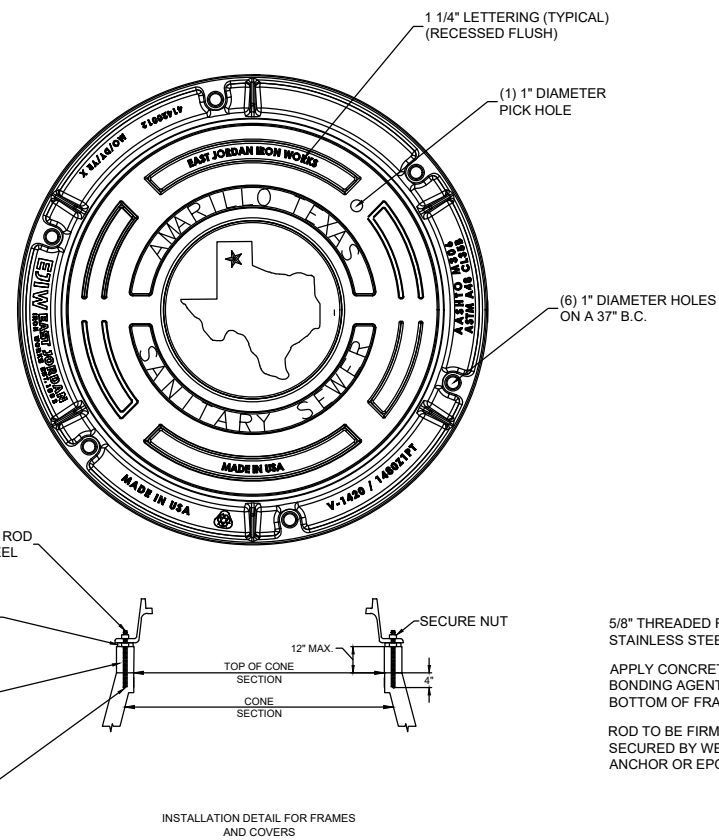


STANDARD
30" MANHOLE RING AND COVER



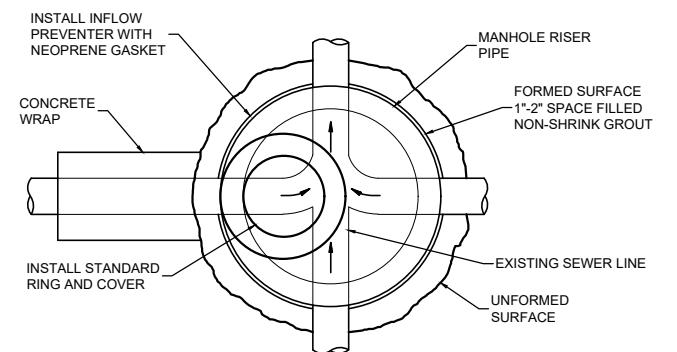
- NOTES:
- 1) TAPS 8" OR LARGER REQUIRE CONSTRUCTION OF A MANHOLE
 - 2) TAP TO BE PLACED AT THE APPROXIMATE MIDPOINT OF THE LOT BEING SERVED
 - 3) THIS DETAIL SHALL APPLY WHEN DEPTH OF SEWER MAIN EXCEEDS APPROXIMATELY 10'

SHALLOW SEWER TAP DETAIL

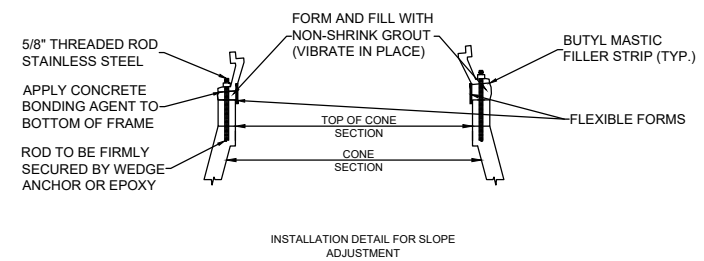
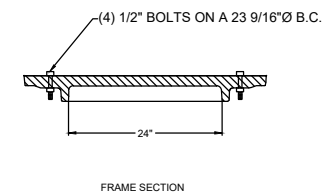


- NOTE:
1. APPROVED WATER SEALANT REQUIRED AT ALL JOINTS. WATERTIGHT MANHOLE FRAME MODE #104SZ BY EAST JORDAN IRON WORKS, INC OR APPROVED EQUAL.
 2. STAINLESS STEEL REQUIRED FOR ALL HARDWARE AND FASTENERS.
 3. BOLT DOWN MANHOLE FRAME AND COVER SHALL BE IN FLOODPLAIN AREAS.

BOLT DOWN
30" MANHOLE RING AND COVER



MANHOLE PLAN VIEW



STANDARD DETAIL SHEET
(WASTEWATER)

DRAWN BY: K. C. Cook	REVISED BY: R. RICH
APPROVED BY: Kyle Schniederjan	
PATH: K:/CAD/UTS/Standards/Sewer Detail 2017.dgn	
HORZ. SCALE NTS	DATE 1/12/2017
VERT. SCALE NTS	DATE 8/05/2025
W.O. NO.	SHEET SD-S-1

