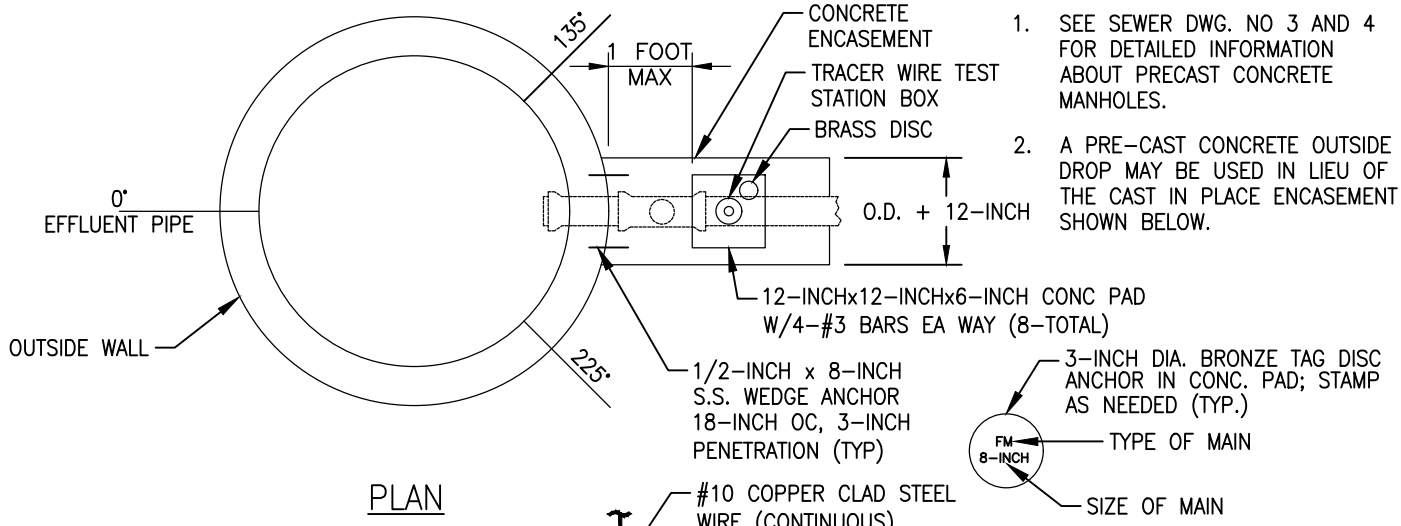
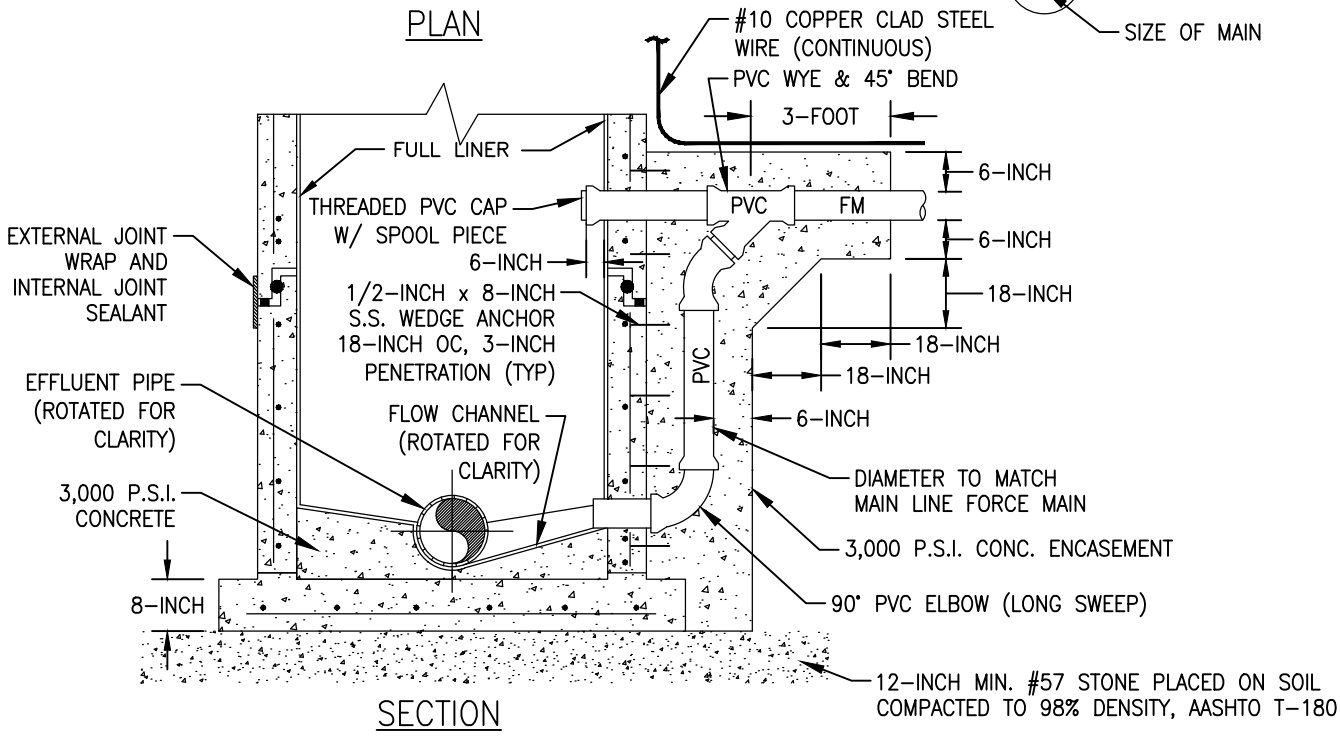
NOTES:

1. SEE SEWER DWG. NO 3 AND 4 FOR DETAILED INFORMATION ABOUT PRECAST CONCRETE MANHOLES.
2. A PRE-CAST CONCRETE OUTSIDE DROP MAY BE USED IN LIEU OF THE CAST IN PLACE ENCASEMENT SHOWN BELOW.



PLAN



SECTION

NOTES:

1. THIS IS AN INTERCEPT MANHOLE WITH TURBULENT FLOW; THIS MANHOLE AND THE NEXT TWO DOWNSTREAM MANHOLES SHALL BE COMPLETELY LINED WITH AN APPROVED LINER. ALL THREE MANHOLES SHALL BE REHABILITATED AS NECESSARY.
2. ALL FITTINGS SHALL BE PVC AWWA C-907, CLASS 235 MIN. FORCE MAIN DROP PIPE SHALL BE AWWA C900-16 (CLASS 235, DR 18). APPROVED PVC RESTRAINTS SHALL BE USED.
3. A TRAP IS REQUIRED IN THE FORCE MAIN BEFORE THE DROP.
4. FORCE MAIN SHALL CONNECT TO THE BOTTOM OF THE MANHOLE 0.1 FT ABOVE EXITING PIPE. DISCHARGE SHALL BE DIRECTED TO THE EXITING PIPE BY A CONSTRUCTED U-CHANNEL.
5. BUILD FLOW CHANNEL PER DETAIL SEWER DWG. NO 8, MANHOLE FLOW CHANNELS, AND FINISH SMOOTH WITH GROUT.
6. ANGLE BETWEEN INFLUENT FORCE MAIN AND GRAVITY EFFLUENT PIPE IS PREFERRED TO BE BETWEEN 135°-225°. IF OUTSIDE THE ACCEPTED ANGLES, ADDITIONAL PVC FITTINGS MAY BE REQUIRED INSIDE THE MANHOLE TO DIRECT EFFLUENT TO EXITING PIPE.

N.T.S.

Sarasota County	ISSUED FEB. 2026 ISSUED SP BB 26.01.30 Revision By Appd. YY.MM.DD	FORCE MAIN CONNECTION TO EXISTING MANHOLE (>6 FEET DEEP)	SEWER DWG NO. 31

SEWER_DWG_NO-31.DWG 03/2020