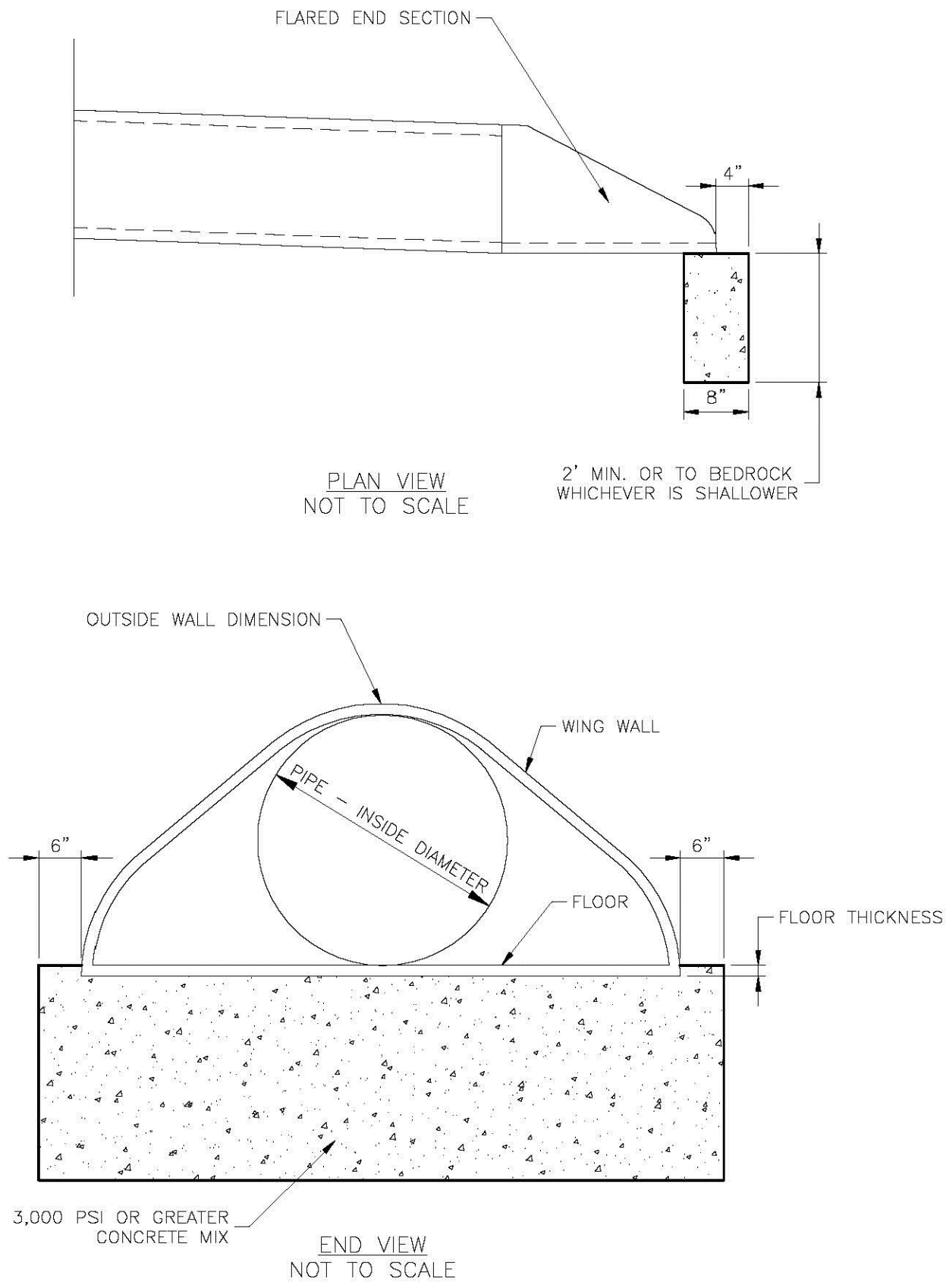


- NOTES:
1. THE DEPTH OF THE TOE WALL SHALL BE PER TABLE. IF BEDROCK IS ENCOUNTERED A MINIMUM OF 12" INTO BEDROCK IS REQUIRED.
 2. ALL CONCRETE SHALL CONFORM TO STANDARD SPECIFICATION SECTION 2205.2.

END SECTION AND TOEWALL DETAIL



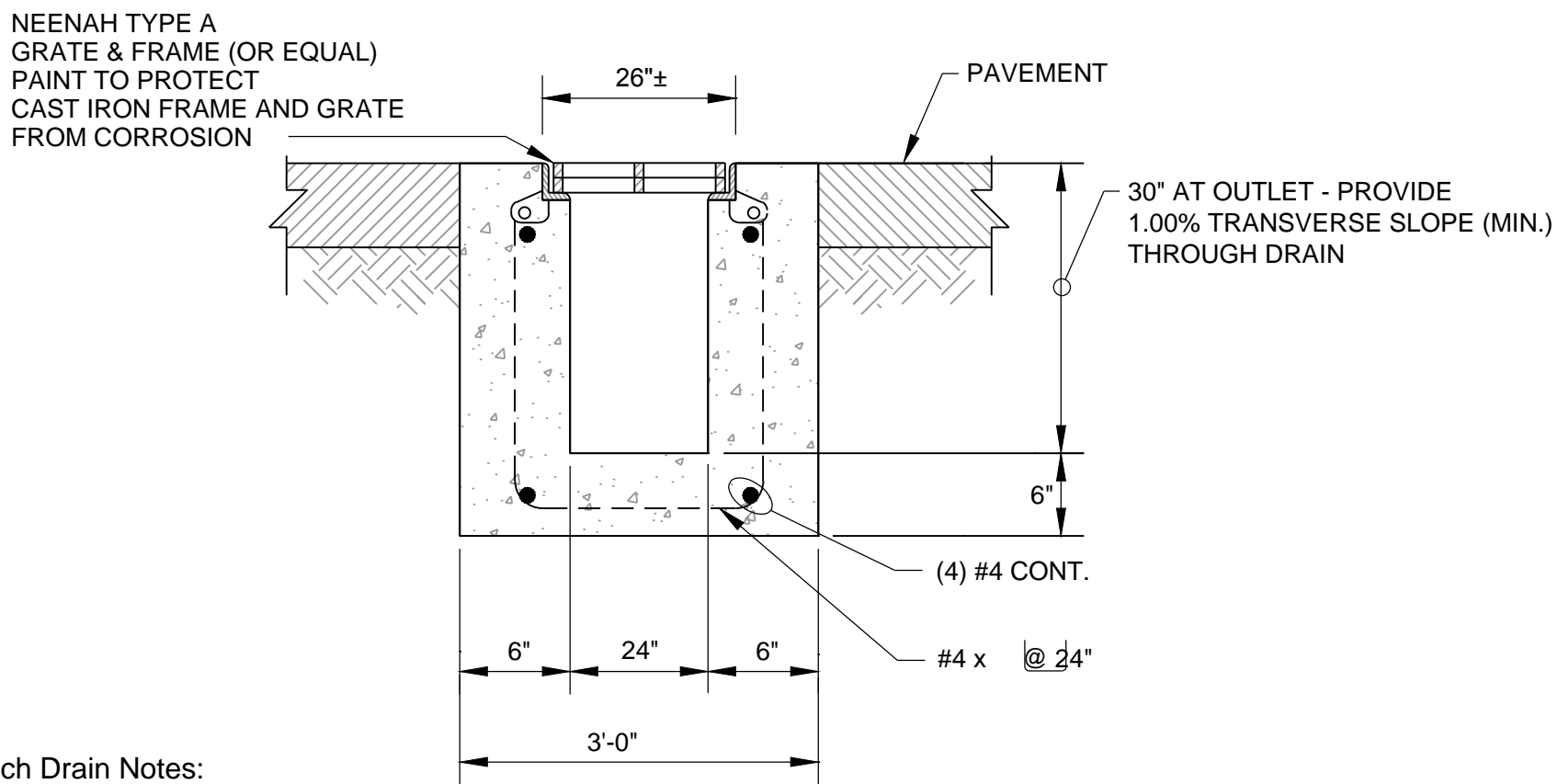
LS

LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

FLARED END SECTION SUPPORT DETAIL

Date: 06/21
Drawn By: MJF
Checked By: DL

STM-5



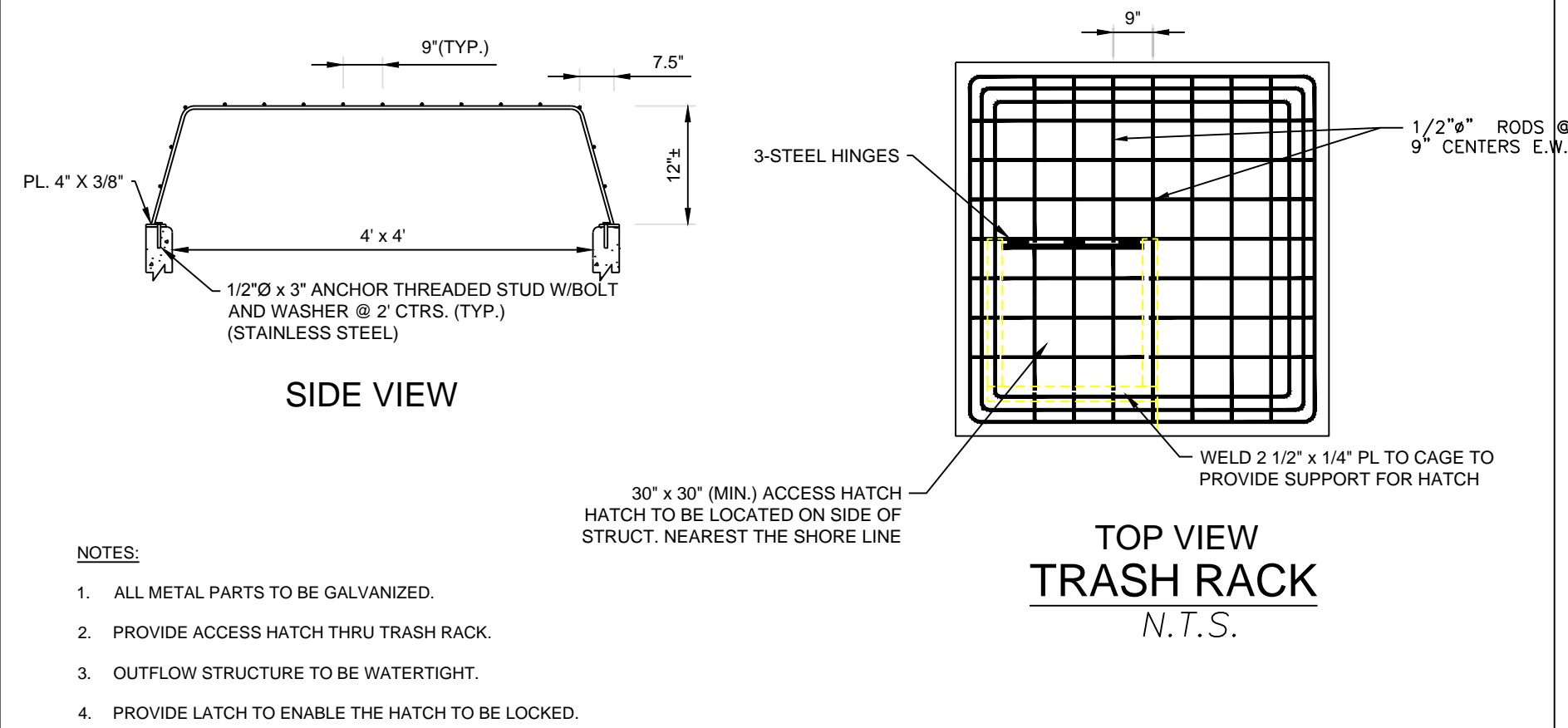
Trench Drain Notes:

General

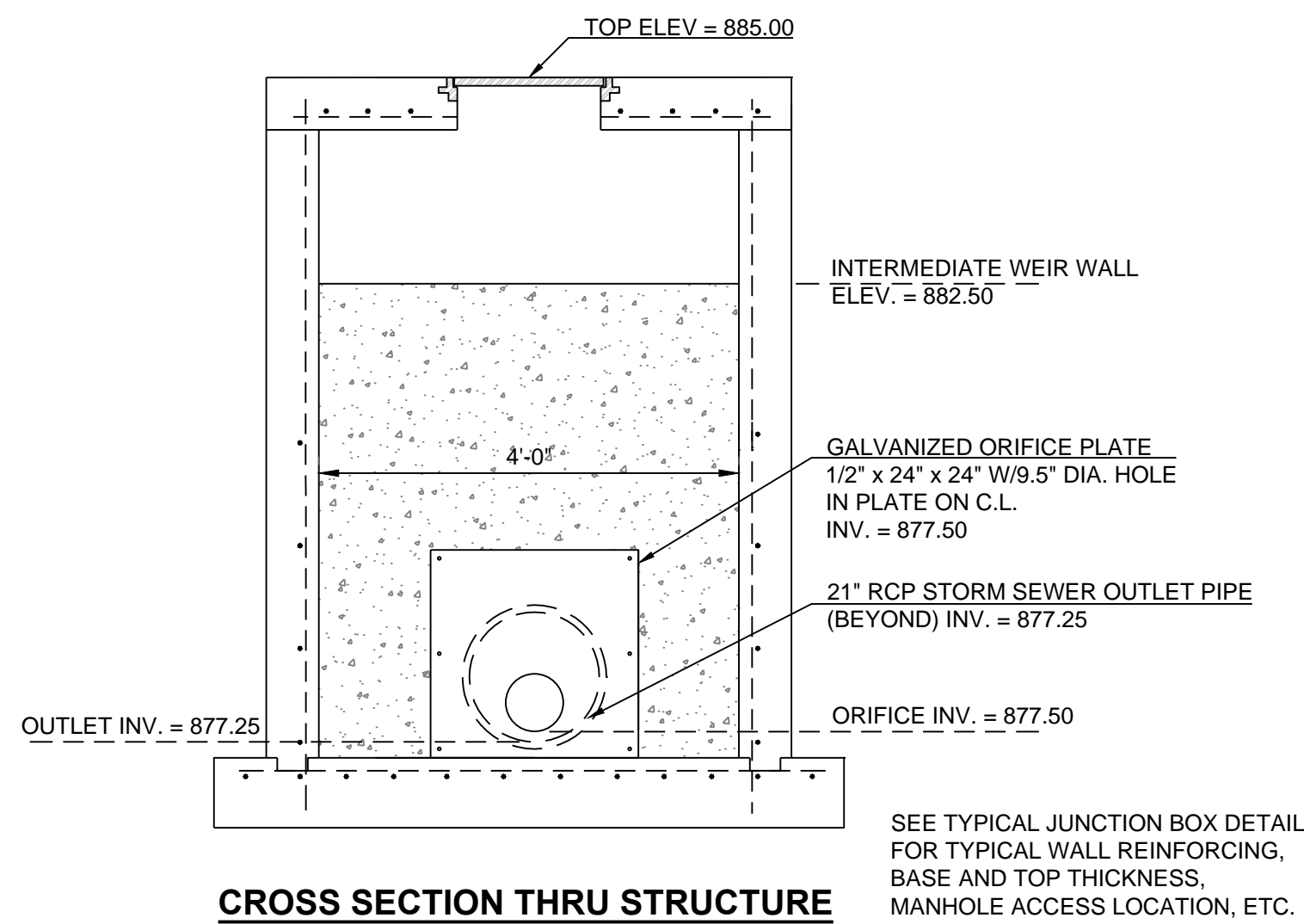
1. All storm sewer structures shall be pre-cast or poured in place. If pre-cast structures are used for publicly financed, maintained or administered construction, the tops shall be poured in place and the wall steel shall be left exposed to a height 2" below the finish top elevation, or as directed by the City Engineer.
2. Pre-cast shop drawings are to be approved by the City Engineer for publicly financed or administered projects. Pre-cast shop drawings for privately financed projects are to be submitted to the Engineering Services Division of the Planning and Development Services Department.
3. Do not scale these drawings for dimensions or clearances. Any questions regarding dimensions shall be brought to the attention of the City Engineer prior to construction.
4. Concrete used in this work shall be KCMMB4K, as approved by the Kansas City Metropolitan Materials Board.
5. Concrete construction shall meet the applicable requirements of Standard Specifications for State Road and Bridge Construction, Kansas Department of Transportation, latest edition, except as modified in the Overland Park Municipal Code.
6. Inlet floors shall be shaped with non-reinforced concrete inverts to provide smooth flow.
7. Reinforcing steel shall be new billet, minimum Grade 40 as per ASTM A615, and shall be bent cold.
8. All dimensions relative to reinforcing steel are to centerline of bars. 2" clearance shall be provided throughout unless noted otherwise. Tolerance of +/- 1/8" shall be permitted.
9. All lap splices not shown shall be a minimum of 40 bar diameters in length.
10. All reinforcing steel shall be supported on fabricated steel bar supports @ 3'-0" maximum spacing.
11. All dowels shall be accurately placed and securely tied in place prior to placement of bottom slab concrete. Sticking of dowels into fresh or partially hardened concrete will not be acceptable.
12. Pipe connections to pre-cast structures shall have a minimum of 6" of concrete around the entire pipe within 2' of the structure.

4 TYPICAL - CAST-IN-PLACE TRENCH DRAIN DETAIL

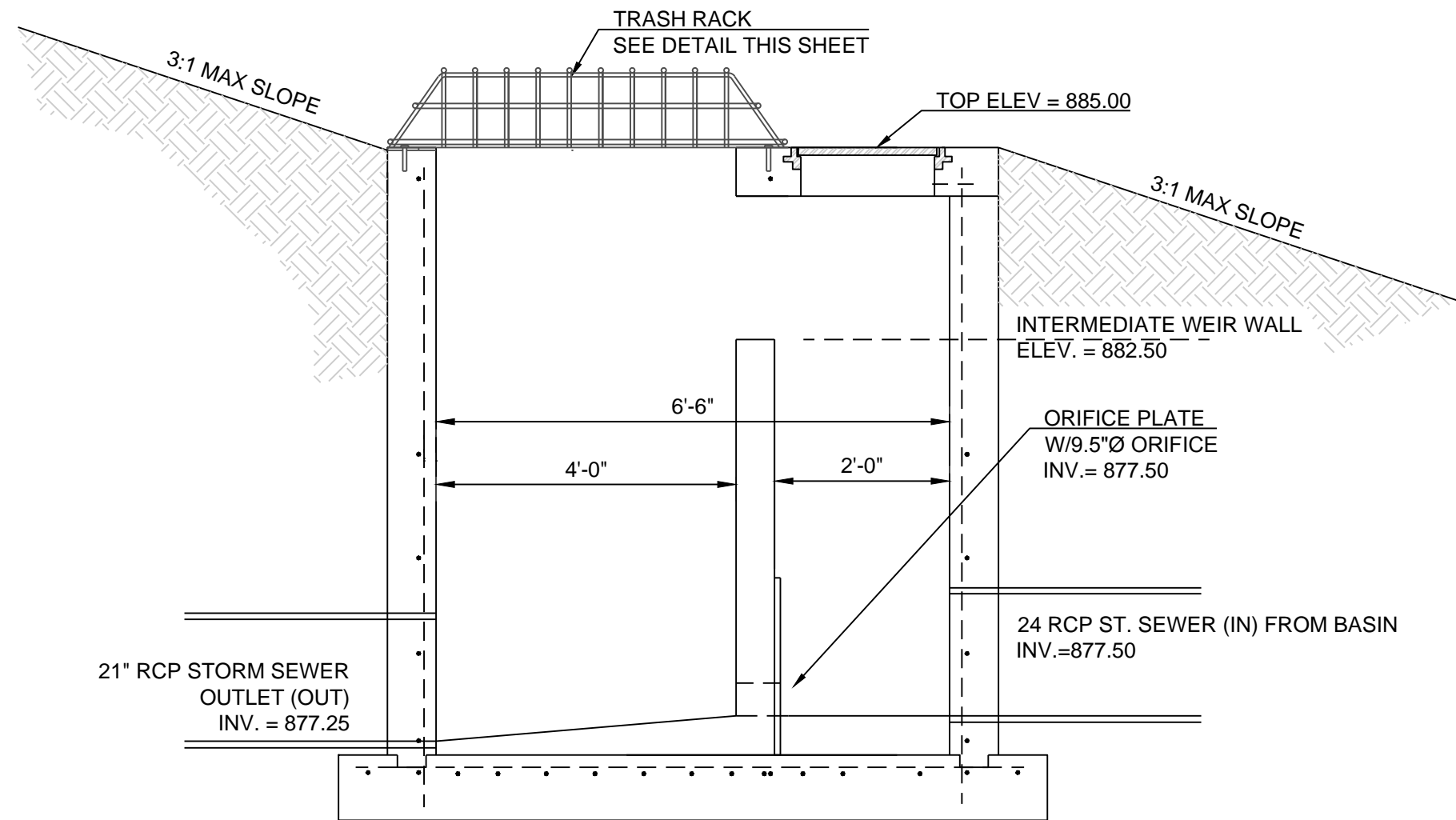
NOT TO SCALE



7 OUTLET STRUCTURE - TRASH RACK DETAILS



CROSS SECTION THRU STRUCTURE



LONGITUDINAL SECTION THRU STRUCTURE

8 DETAILS @ DETENTION OUTLET STRUCTURE

NOT TO SCALE

REVISION DATE	DESCRIPTION
1	10-18-17 CITY COMMENTS
2	
3	
4	
5	
6	
7	
8	
9	
10	

DRAWN BY:	SCH
CHECKED BY:	SCH
DATE PREPARED:	9/22/2017
PROJ. NUMBER:	17-019

SITE DETAILS

SHEET

C7.2

PLAN REVIEW/BID SET