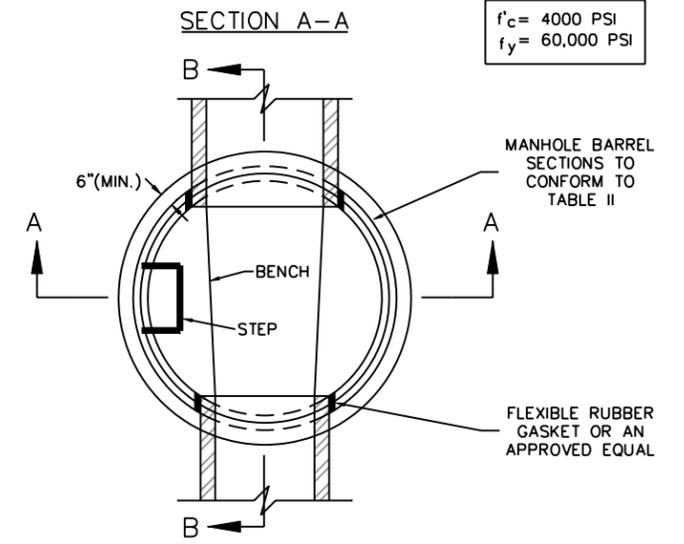
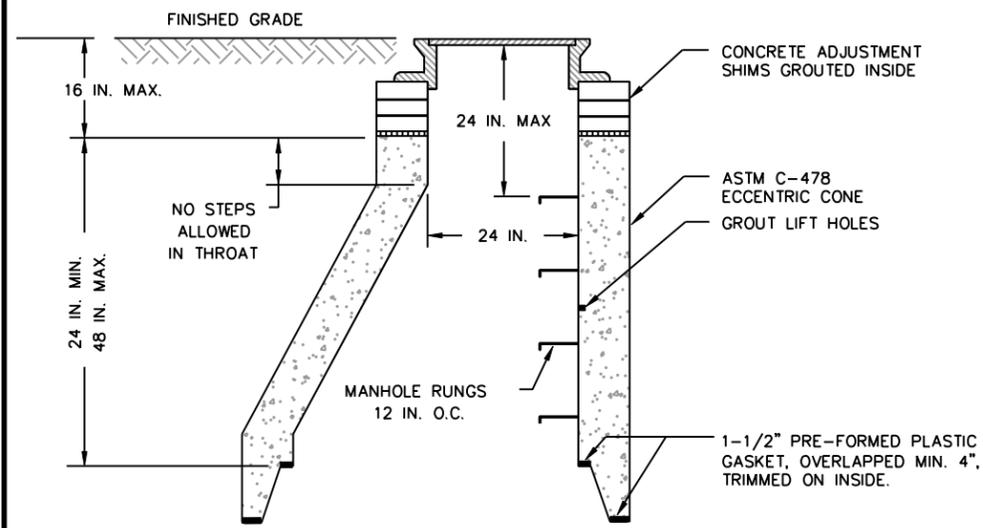


$f'_c = 4000$  PSI  
 $f_y = 60,000$  PSI

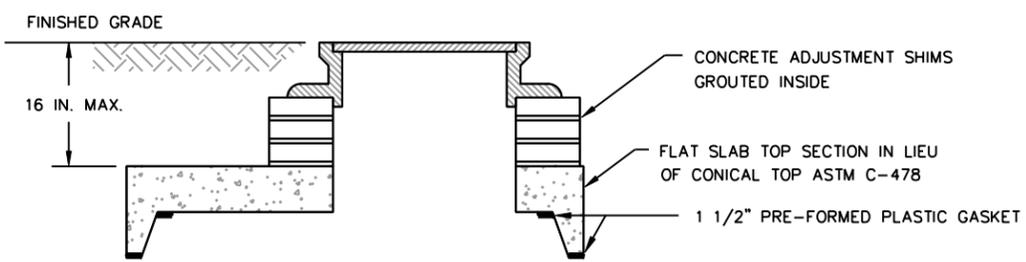


MANHOLE WITH SUMP



STANDARD MANHOLE TOP

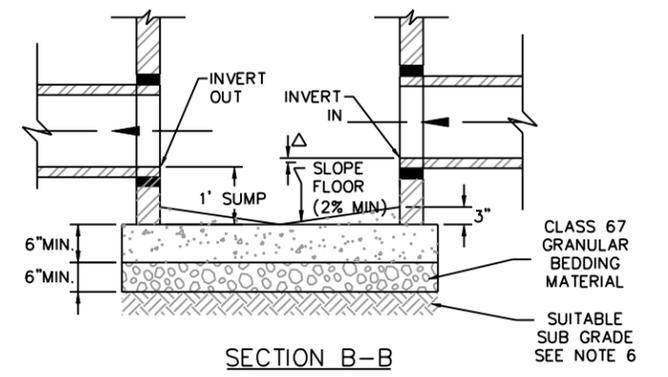
DROP MANHOLE WITH INVERT PROTECTION



FLAT MANHOLE TOP

DROP MANHOLE NOTES:

1. SPRAY ON ELASTOMERIC POLYURETHANE LINER SHOULD BE USED WHEN THE INLET PIPE INVERT IS ABOVE THE OUTLET PIPE CROWN.
2. THE LINER SHOULD HAVE A MINIMUM THICKNESS OF 1/16".
3. THE LINER SHALL BE "RHINO LINING" OR APPROVED EQUAL.



- NOTES:
1. ALL COVERS AND FRAMES SHALL BE GRAY OR DUCTILE IRON CONFORMING TO CITY OF LOVELAND SPEC. 05500. COVERS AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LOADINGS. MANHOLE COVER - EAST JORDAN IRON WORKS NO. 2405A OR EQUAL.
  2. GRADE ADJUSTMENTS RINGS SHALL NOT BE ALLOWED ABOVE THE RISER UNLESS APPROVED BY CITY ENGINEER.

 CITY OF LOVELAND PUBLIC WORKS DEPT. STORMWATER	<b>MANHOLES</b> STORMWATER CONSTRUCTION DRAWINGS		APPROVED: KWG	DRAWING SW-7
			DATE: 8/17/07	
			DRAWN BY: DLE	