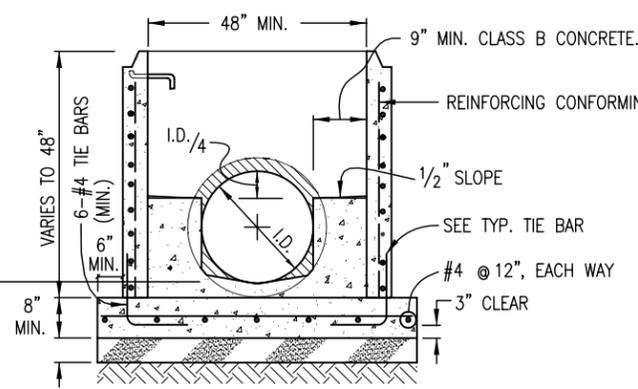
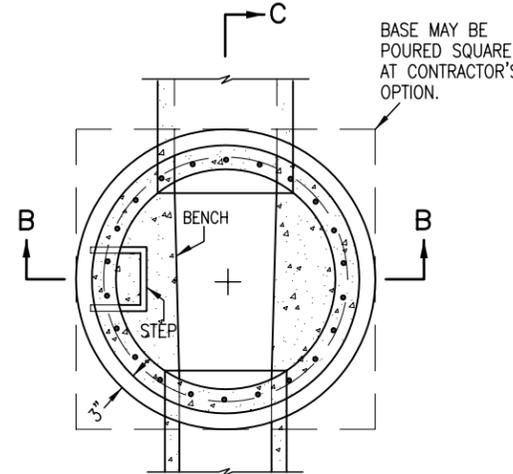


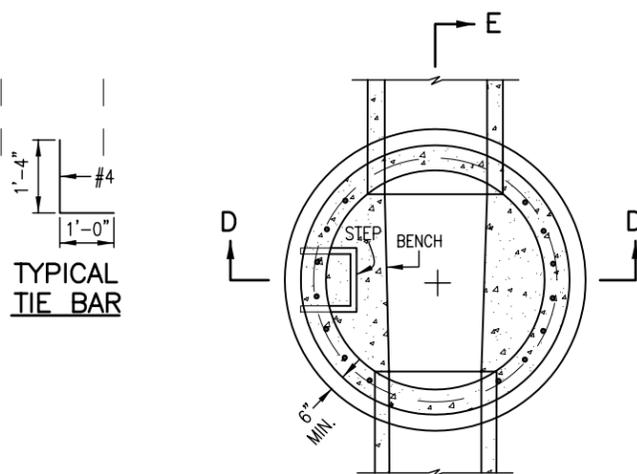
**SECTION B-B**



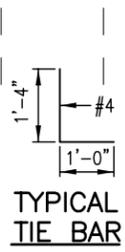
**SECTION D-D**



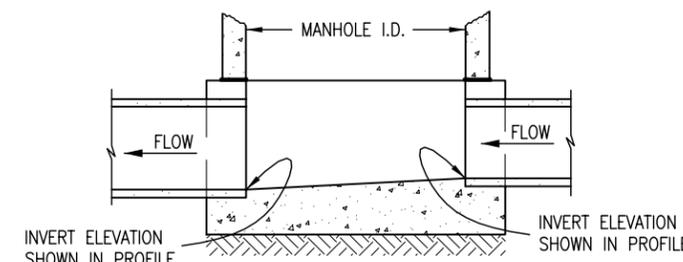
**PLAN**



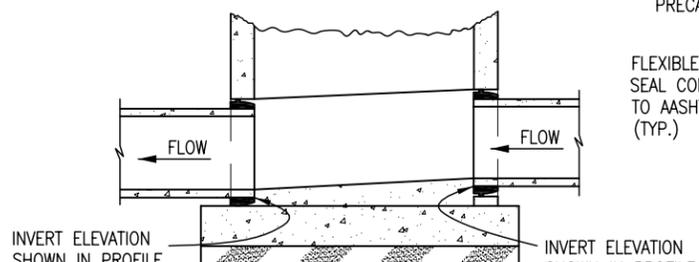
**PLAN**



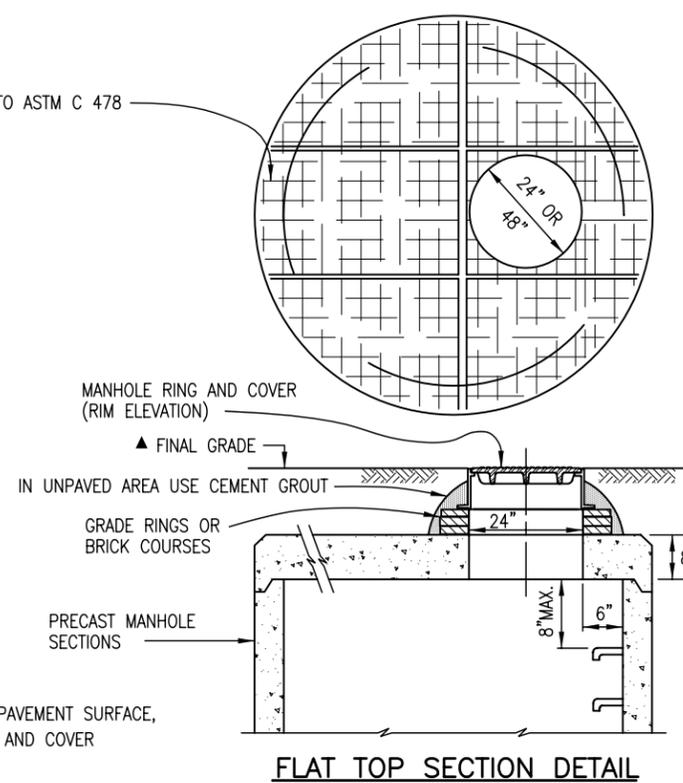
**TYPICAL TIE BAR**



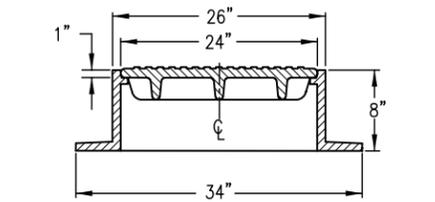
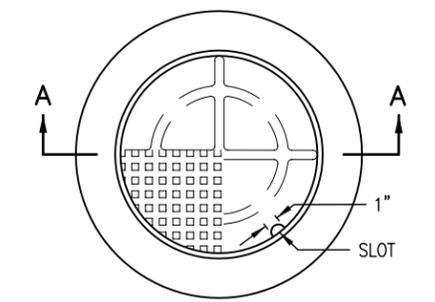
**SECTION C-C  
CAST-IN-PLACE SLAB BASE**



**SECTION E-E  
PRECAST SLAB BASE**



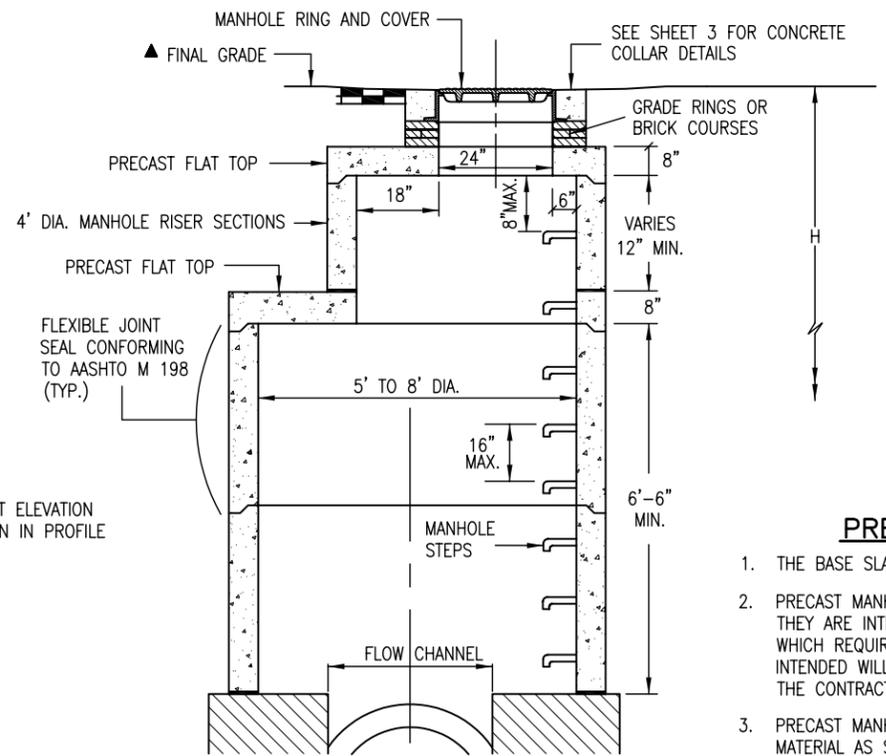
**FLAT TOP SECTION DETAIL**



TOTAL WEIGHT: APPROXIMATELY 400 LBS.  
SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06.

**SECTION A-A  
MANHOLE RING AND COVER**

▲ WHEN FINAL GRADE IS PAVEMENT SURFACE, RECESS MANHOLE RING AND COVER 1/4" MIN. TO 1/2" MAX.



**MANHOLE RISER DETAIL**

**LEGEND**

	SUITABLE SUBGRADE
	GRANULAR BEDDING MATERIAL
	CONCRETE

**PRECAST MANHOLE BASES NOTES:**

1. THE BASE SLAB SHALL BE POURED MONOLITHICALLY WITH BOTTOM RISER SECTION.
2. PRECAST MANHOLE BASES SHALL FIT THE CONDITIONS AND LOCATIONS FOR WHICH THEY ARE INTENDED WITHOUT ANY FIELD MODIFICATIONS. ANY MANHOLE BASE WHICH REQUIRES FIELD CUTTING OR MODIFICATION IN ORDER TO FIT THE LOCATIONS INTENDED WILL BE REJECTED BY THE ENGINEER AND REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE DEPARTMENT.
3. PRECAST MANHOLE BASES SHALL BE BEDDED ON AN APPROVED GRANULAR BEDDING MATERIAL AS SHOWN ABOVE.

**Computer File Information**

Creation Date: 07/04/06	Initials: SJR
Last Modification Date: 07/04/06	Initials: LTA
Full Path: www.dot.state.co.us/DesignSupport/	
Drawing File Name: 6040200203.dwg	
CAD Ver.: MicroStation V8	Scale: Not to Scale Units: English

**Sheet Revisions**

Date:	Comments
(R-X)	
(R-X)	
(R-X)	
(R-X)	

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**MANHOLES**  
Issued By: Project Development Branch on July 04, 2006

**STANDARD PLAN NO.**  
**M-604-20**  
**Sheet No. 2 of 3**