

NO.	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	RENAMED STD DWG FROM C-18.40 TO C-18.10, SHEET 1 OF 3	RLF	9/04
2	REVISED GENERAL NOTE	RLF	7/05
3	DELETED ORIGINAL NOTE 5; CHANGED NUMBERS 6 & 7	RLF	5/07
4	ADDED NOTE TO DESIGNERS	RLF	5/07

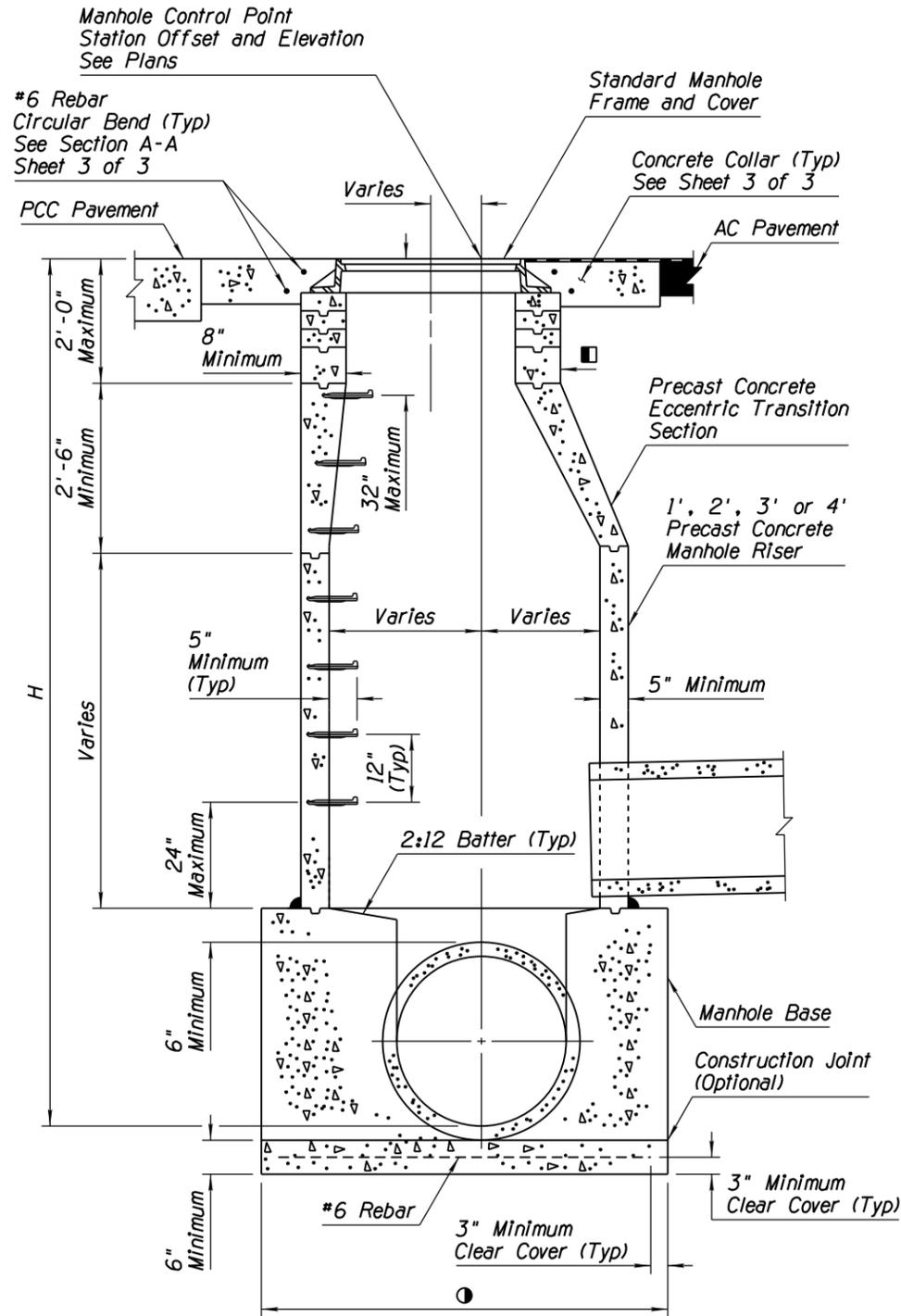
GENERAL NOTES

1. Pipe sizes and elevations are shown on plans.
2. The manhole height, H, shall be measured from the lowest invert elevation to the top of the manhole frame.
3. Concrete for cast-in-place manholes shall be Class B.
- ② 4. All manholes deeper than 56 inches shall have steps. Manhole steps shall be constructed in accordance with AASHTO M199. Where precast manholes are used, the steps shall be installed at the same time sections are cast.
- ③ 5. Precast manhole sections shall be manufactured in accordance with AASHTO M199, except that the compressive strength of each section shall be determined and accepted in accordance with Std Spec 1006-7.
- ③ 6. Manhole size, location and elevation shall be as shown on plans.
- ③ ② 7. Backfill material shall be compacted to at least 95 percent of the maximum density per the applicable test method of the ADOT Materials Testing Manual.
 - 4", 6", 8" or 12" (30" Inside Diameter) Grade Rings
 - ▲ 1/4" /ft
 - See Sheet 2 of 3

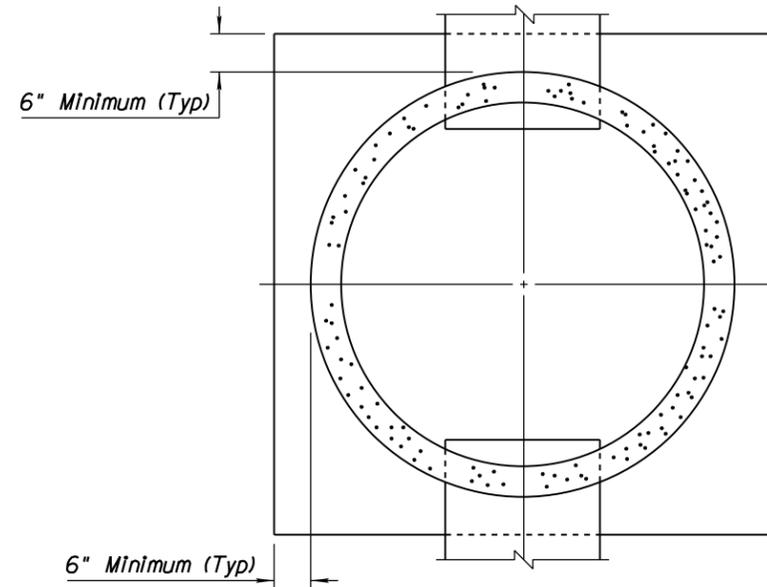
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NOTE TO DESIGNERS

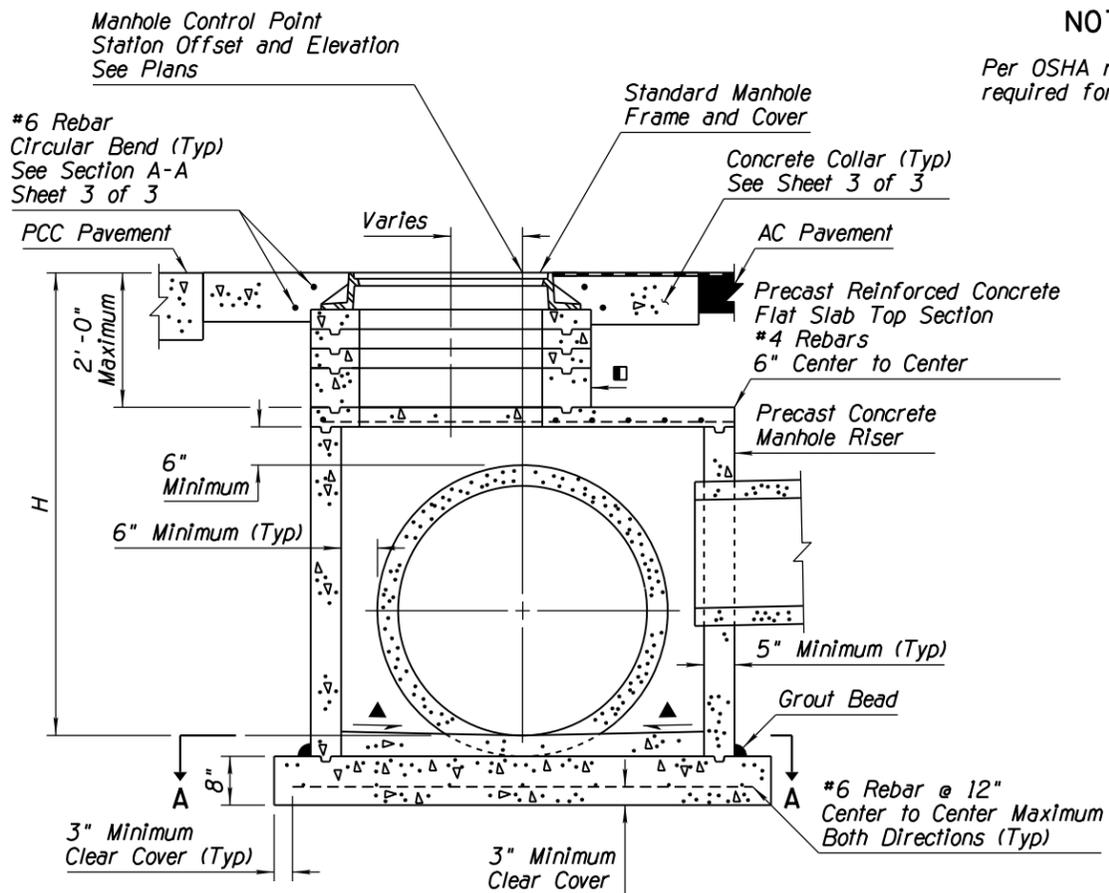
Per OSHA requirements, special treatments are required for heights exceeding 30 ft.



**SECTION
NORMAL INSTALLATION
STANDARD BASE**



SECTION A-A



**SECTION
SHALLOW INSTALLATION
SLAB BASE**

APPROVED FOR DESIGN 	STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION ROADWAY STANDARD DRAWINGS	REV. 5/12
APPROVED FOR DISTRIBUTION 	MANHOLE RISER DETAILS	DRAWING NO. C-18.10 Sheet 1 of 3