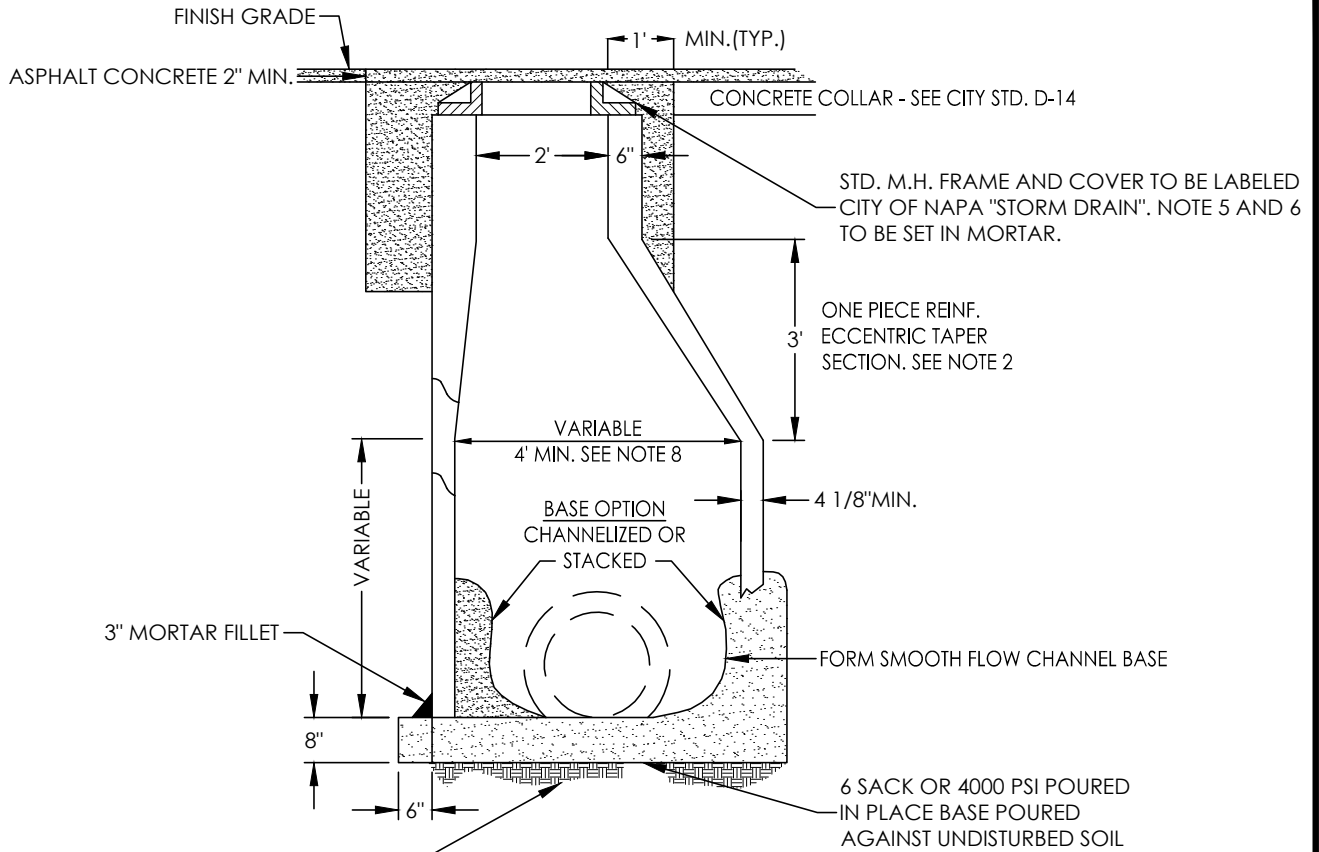


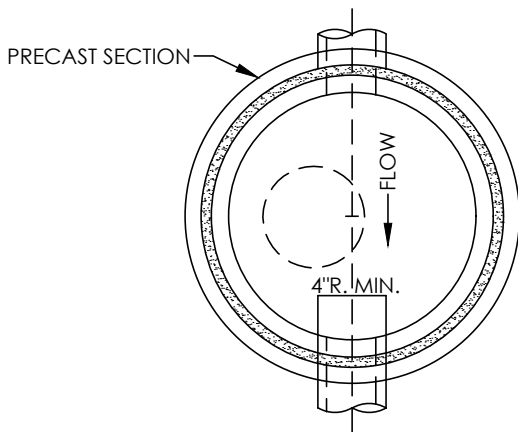
**PRE-CAST
MANHOLE**



PRE-CAST BASE PLACE OVER 6" OF 3/4" CLEAN CRUSHED ROCK INSTALLED AGAINST UNDISTURBED EARTH.

NOTES

1. PRE-CAST SHAFTS SHALL BE USED.
2. PRE-CAST CONCRETE PIPE SECTIONS, GRADE RINGS, AND TAPERED SECTIONS SHALL CONFORM TO THE REQUIREMENTS FOR CLASS 2 REINFORCED CONCRETE PIPE OF AASHTO DESIGNATION: M 170.
3. ALL CONCRETE JOINTS SHALL BE CLEANED, WETTED, AND MORTARED PRIOR TO SETTING THE NEXT SECTION, THE JOINTS SHALL BE PACKED, TRAWLED, AND BRUSHED WHILE THE MORTAR IS PLASTIC. RAM-NEK FLEXIBLE MAY ALSO BE USED, UPON APPROVAL FROM THE ENGINEER.
4. FRAME TO BE USED IN STREET AND DRIVEWAY AREAS SHALL BE PHOENIX P-1090, PINKERTON A-640 OR APPROVED EQUAL, AND 2" FRAME SHALL BE USED IN S/W EASEMENT ETC. WHERE NO TRAFFIC IS ALLOWED. ALL M.H. SHALL HAVE 30" MIN. CLEAR OPENING.
5. M.H. THAT ARE SHALLOW MAY BE CONST. CONCENTRIC OR FLAT TOP AND/OR WITH A LARGER DIA. M.H. FRAME TO FACILITATE CONSTRUCTION WITH APPROVAL OF THE ENGINEER, LONGER STEPS MAY BE REQUIRED.
6. M.H. SHALL BE SET TO GRADE SUBSEQUENT TO PLACING A.C.
7. 48" DIA. BARREL SHALL BE USED FOR PIPES UP TO 36" IN DIA. 60" DIA. BARREL SHALL BE USED ON PIPES 39" TO 54" OR LARGER PIPE SHALL CONFORM TO STANDARD D-8 DRAWING.
8. ALL CAST IN PLACE PIPE POURED THOUGH A MANHOLE REQUIRES STANDARD D-8 MANHOLE DETAILS.



SECTIONAL PLAN

CITY OF NAPA

PUBLIC WORKS DEPARTMENT

**STANDARD STORM
DRAIN MANHOLE**

DRAWN BY:	BRL	CHECKED BY:	JGF
DATE:	06/2018	APPROVED BY:	JRL
SCALE:	NONE	DRAWING NO.	D-7
FIELD NOTES:			