

FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT USE OF TAPER UNIT.

TABLE OF DIMENSIONS MAX. PIPE T MIN. INNER DIA M.H. 48" 48" 18" 30" 60" 30" 42" 60" 10" 72" 72" 42" 54"

COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS

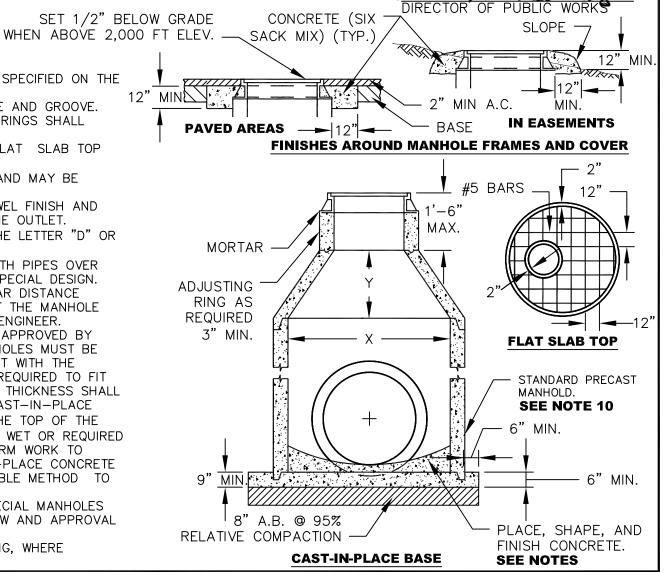
STANDARD PRECAST STORM DRAIN MANHOLE

DATE: JULY, 2005 NTS PLATE **U-7** (83)

SET 1/2" BELOW GRADE

NOTES:

- ECCENTRIC CONES SHALL BE USED WHEN SPECIFIED ON THE
- JOINTS MAY BE EITHER KEYED OR TONGUE AND GROOVE.
- RISER SECTIONS, CONES, AND ADJUSTING RINGS SHALL CONFORM TO ASTM DESIGNATION C-478.
- FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
- DIMENSION "Y" IS A MINIMUM DIMENSION AND MAY BE GREATER IF DEPTH PERMITS.
- MANHOLE FLOORS SHALL HAVE WOOD TROWEL FINISH AND SLOPED FROM ALL DIRECTIONS TOWARD THE OUTLET.
- COVER FOR STORM DRAINS SHALL BEAR THE LETTER "D" OR "SD". SEE PLATES: U-6 AND U-14.
- EXTRA DEPTH MANHOLES OR MANHOLES WITH PIPES OVER 54 INCHES IN DIAMETER SHALL REQUIRE SPECIAL DESIGN.
- THERE SHALL BE AN 8 INCH MINIMUM CLEAR DISTANCE BETWEEN ALL PIPE OUTSIDE DIAMETERS AT THE MANHOLE UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.
- 10. CAST-IN-PLACE MANHOLE WALLS MAY BE APPROVED BY THE ENGINEER. ALL CAST-IN-PLACE MANHOLES MUST BE FORMED IN A CIRCULAR SHAPE CONSISTENT WITH THE DIAMETER SPECIFIED ON THE PLANS AND REQUIRED TO FIT UPPER PRECAST SECTIONS. MINIMUM WALL THICKNESS SHALL BE 8 INCHES. MAXIMUM HEIGHT OF THE CAST-IN-PLACE SHALL BE 60 INCHES (MEASURED FROM THE TOP OF THE MANHOLE). PRECAST RINGS SHALL BE SET WET OR REQUIRED KEY FORM SHALL BE INCLUDED IN THE FORM WORK TO ACCEPT THE PRECAST KEY. ALL CAST-IN-PLACE CONCRETE SHALL BE CONSOLIDATED BY AN ACCEPTABLE METHOD TO ENSURE ALL VOIDS ARE REMOVED.
- 11. ANY VARIATIONS FROM THIS PLATE OR SPECIAL MANHOLES AND JUNCTION BOXES WILL REQUIRE REVIEW AND APPROVAL OF THE DESIGN BY THE ENGINEER.
- 12. M.H. LID TO BE RAISED AFTER FINAL PAVING, WHERE APPROPRIATE.



APPROVED: