

CONSTRUCTION NOTES:

- ① DIMENSIONS PER MANHOLE MANUFACTURER'S SPEC.
- ② STEEL REINFORCEMENT PER MANHOLE MANUFACTURER'S SPECIFICATIONS.
- ③ INVERT CHANNELS, SHELF AND GROOVE SHALL BE FORMED MONOLITHICALLY WITH THE MANHOLE BASE, NO REWORKING OF CONCRETE WHICH HAS PARTIALLY HARDENED.

NOTES:

- 1.-ALL SECTIONS TO BE WASHED, TO REMOVE ANY LOOSE MATERIAL AND WHILE STILL WET THEY ARE TO BE SET IN 1:3 MORTAR TRIMMED SMOOTH INSIDE AND OUTSIDE AT TIME OF SETTING, INCLUDING FRAME.
- 2.-CONCRETE FOR MANHOLE SECTION 3000 P.S.I. MIN.
- 3.-PROVIDE FLEXIBLE JOINT IN ALL SEWER PIPES OUTSIDE MANHOLE BUT WITHIN 12" OF CONCRETE BASE.
- 4.-ADJUSTMENT OF FRAME AND COVER AFTER FINAL PAVING OPERATIONS. FRAME AND COVER SHALL BE SET 1/4" BELOW PAVING TO ALLOW FOR PAVEMENT SETTLEMENT.

5.-PRECAST MANHOLE SUPPLIER TO SUBMIT STRUCTURAL CALCULATION TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION

USE: SOIL ACTIVE PRESSURE= 49 P.C.F.  
SOIL BEARING PRESSURE= 1500 P.S.F.  
(OR VALUES PER APPROVED SOIL REPORT)


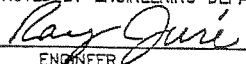
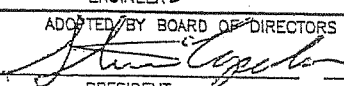
6.-MANHOLES ARE TO BE EQUIPPED WITH A FIXED GALV. STEEL LADDER & HARDWARE

A SAFETY-CLIMB DEVICE WILL BE REQUIRED ON LADDERS WITH TWO CLIMBING HARNESSSES TO BE FURNISHED TO THE DISTRICT. CONTRACTOR TO REFER TO MANUFACTURER'S SPEC. FOR ATTACHMENT OF LADDERS TO MANHOLE WALL SURFACES. LADDERS AND SAFETY CLIMB DEVICES ARE TO REST ON MANHOLE SHELVES AND NOT STRADDLE FLOW CHANNELS.

SAFETY-CLIMB RAILS TO BE STAINLESS STEEL AND A RAIL EXTENSION SHALL BE PROVIDED BY CONTRACTOR

YUCAIPA VALLEY WATER DISTRICT

SPECIAL MANHOLE (30+' DEEP)

REVISIONS			DRAWN	APPROVED BY ENGINEERING DEPARTMENT			S-11		
NO.	BY	DATE	---	---	---				
			CHECKED	 ENGINEER				JUNE., 98	
			DATE	ADOPTED BY BOARD OF DIRECTORS  PRESIDENT				JUNE., 98	
			NO SCALE						