

DETAIL FOR MANHOLES
IN PAVED OR DIRT
ROADWAYS *

ALL MANHOLE TOPS SHALL BE INSTALLED WITH
MANHOLE COVER OVER DOWNSTREAM INLET
EXCEPT AS OTHERWISE NOTED

DETAIL FOR MANHOLES
IN UNFINISHED
EASEMENT AREAS

FINISH SURFACE

EXIST. GROUND

VARIABLE
BUT LESS THAN 5'

60"

10"
12"

6" (TYP)

DRAWING
ROTATED 90°
TO SHOW DETAIL

DRAWING
ROTATED 90°
TO SHOW
DETAIL

VARIABLE

1" CHAMFER
"D"

REINF. STEEL
PER A.S.T.M.
C-478

2"
MIN.

INVERT ELEV. AS
SHOWN ON PLANS

CLASS "A" CONCRETE
TYPE V
(4000 PSI MIN.)

6'-6"

NOTES:

- ① PRECAST REINFORCED CONCRETE FLATTOP BY OLDCASTLE PRECAST OR APPROVED EQUAL.
- ② 36" DIA. MANHOLE FRAME & COVER PER E.J. COMPOSITE 3800 SERIES WITH 4 TITUS TWIST LOCK OR APPROVED EQUAL.
- ③ GRADE RINGS.
- ④ 60" DIA. PRECAST CONCRETE MANHOLE.

- 1. THIS STANDARD TO BE USED ONLY FOR DEPTHS LESS THAN 5' FROM MANHOLE TOP TO SEWER PIPE SHELF AS APPROVED BY THE DISTRICT.
- 2. FLAT TOP SHALL BE DESIGNED FOR H-20 LOADING.
- 3. ALL SECTIONS TO BE WASHED TO REMOVE ANY LOOSE MATERIAL.
- 4. PRECAST MANHOLE SECTIONS AND GRADE RINGS SHALL BE SEALED WITH CS-102B BUTYL/BITUMEN BLENDED SEALANT AS MANUFACTURED BY CONSEAL OF NEW CARLISLE, OHIO OR DISTRICT APPROVED EQUAL TO FORM WATERTIGHT JOINTS.
- 5. CONCRETE FOR MANHOLE SECTIONS 4000 P.S.I. MIN. USING TYPE V CEMENT.
- 6. PROVIDE ARC REPAIR COUPLING OR EQUAL JOINT IN VCP SEWER PIPES OUTSIDE OF MANHOLE BUT WITHIN 12" OF CONCRETE BASE.
- 7. PROVIDE RUBBER WATERSTOPS FOR PLASTIC PIPE CONNECTIONS. SHELF & GROOVE SHALL BE FORMED MONOLITHICALLY WITH THE MANHOLE BASE. CHANNELS TO BE SMOOTH FINISH.
- 8. MANHOLE SHALL BE VACUUM TESTED PER DISTRICT SPECIFICATIONS.

* FOR MANHOLES IN DIRT ROADWAYS, ADD 6" THICK X 8' SQUARE CL "B" CONCRETE SLAB FLUSH W/FINISH GRADE.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE	PRECAST SHALLOW MANHOLE	DRAWING NO.
DATE: SEPTEMBER 2020	ALBERT A. WEBB ASSOCIATES CONSULTING ENGINEERS	S-15
APPROVED BY: Sinnaro Yos, P.E. C68607	RIVERSIDE CALIFORNIA	W.O. 19-0248