

FRAME & COVER SETTING CONDITIONS

DETAIL FOR MANHOLES IN PAVED OR DIRT ROADWAY. *

DETAIL FOR MANHOLES IN EASEMENT.

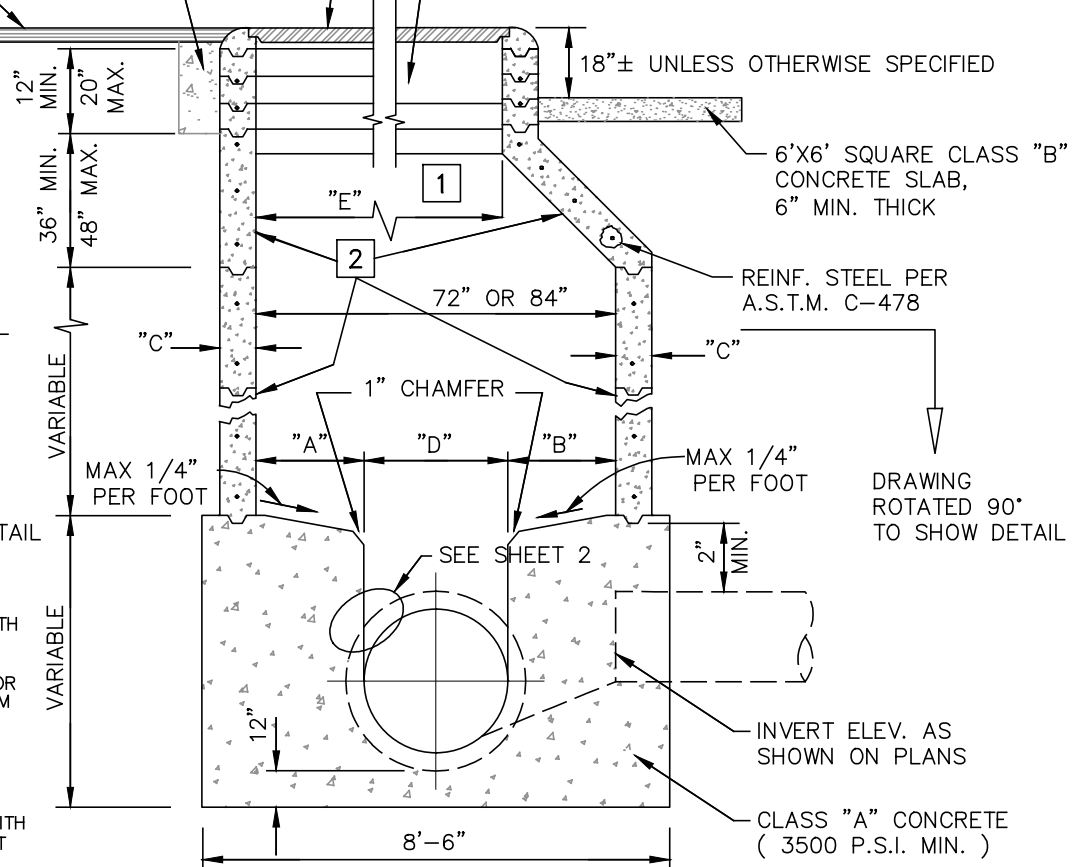
ONE FT. WIDE CLASS "B" CONCRETE COLLAR TO FULL DEPTH OF GRADE RINGS 3" BELOW FINISH GRADE FOR AC CAP

**36" DIA. FRAME AND COVER PER E.J. SERIES COMPOSITE MATERIAL.

FINISH SURFACE

* FOR MANHOLES IN DIRT ROADWAYS, ADD 6" THICK X 6'-0" SQ. CL. "B" CONC. SLAB FLUSH WITH FINISH GRADE.

DIMENSION TABLE					
PIPE SIZE	A	B	C	D	E
36"	20"	16"	8"	36"	36"
42"	20"	10"	8"	42"	36"



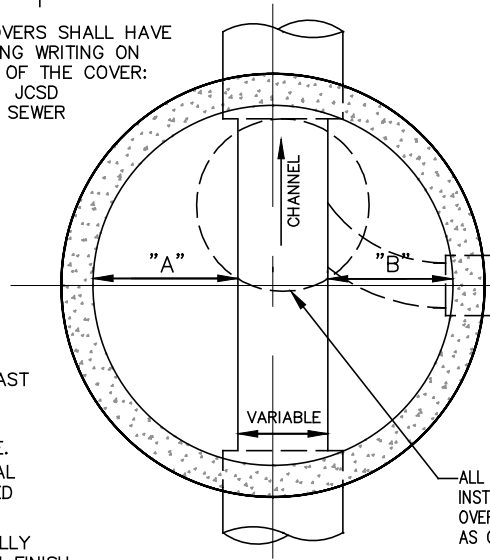
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NOTES:

- ALL SECTIONS TO BE WASHED TO REMOVE ANY LOOSE MATERIAL. PRECAST MANHOLE SECTIONS AND GRADE RINGS SHALL BE SEALED WITH CS-102B BUTHL/BITUMEN BLENDED SEALANT AS MANUFACTURED BY CONSEAL OF NEW CARLISLE, OHIO OR DISTRICT APPROVED EQUAL TO FORM WATER TIGHT JOINTS.
- CONCRETE FOR MANHOLE SECTIONS SHALL BE 3500 P.S.I. MIN. USING TYPE V CEMENT.
- PROVIDE REPAIR BAND COUPLING WITH ADJUSTABLE S.S. SHEAR RING JOINT IN ALL SEWER PIPES OUTSIDE OF MANHOLE BUT WITHIN 12" OF CONCRETE BASE.
- WHEN INSTALLING REINFORCED CONCRETE GRADE RING(S) 3"-6" THE GRADE RINGS MUST BE CLEAN AND ANCHORED TO BOTH THE FRAME AND GRADE RING(S) OR CONE WITH A SUITABLE EPOXY OR OTHER METHOD AS APPROVED BY THE DISTRICT.
- MORTAR AROUND AND UNDER FRAME SHALL BE CURED WITH A PIGMENTED CURING COMPOUND MEETING THE REQUIREMENTS OF SECTION 90-7 OF STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2006 EDITION.
- FOR PVC CONNECTIONS TO EXISTING AND NEW PRECAST REINFORCED CONCRETE MANHOLES. A HOLE SPECIFIC TO THE NEW PIPE'S O.D. DIA. SHALL BE CORED INTO THE CONCRETE MANHOLE WALL TO RECEIVE THE PIPE. A KOR-N-SEAL BOOT OR ENGINEER APPROVED EQUAL SHALL BE CLAMPED INTO THE CORED HOLE AND USED TO MAKE THE CONNECTION.
- SHELF AND GROOVE SHALL BE FORMED MONOLITHICALLY WITH THE MANHOLE BASE. CHANNELS TO BE SMOOTH FINISH.

MANHOLE COVERS SHALL HAVE THE FOLLOWING WRITING ON THE CENTER OF THE COVER:
JCS
SEWER



**E.J. SERIES - COMPOSITE MANHOLE COVER AND FRAME, (36") 3800 WITH FOUR (4) TITUS TWISTLIFT STAINLESS STEEL LOCKS, PER COVER. "NOTE" AFTER SETTING A COMPOSITE FRAME IN PLACE AND PRIOR TO POURING THE CONCRETE COLLAR AND/OR CONCRETE SLAB, INSTALL ONE (1) #4 REBAR SHAPED INTO A FULL CIRCLE THREE (3") INCHES LARGER IN O.D. THAN THE COMPOSITE FRAME. AFTER FORMING THE #4 REBAR CIRCLE, IT SHALL THEN BE SET TO THREE (3") INCHES BELOW THE FRAME RIM ELEVATION THEN ENCAPSULATED IN THE CONCRETE COLLAR AND/OR CONCRETE SLAB. REFER TO DISTRICT STANDARD DRAWING NO. S-7 (SHEET 2 OF 2)

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE	72" AND 84" DIA. PRECAST CONCRETE MANHOLE (LINED)	DRAWING NO.
DATE: SEPTEMBER 2020		S-21
APPROVED BY: <i>Sinnaro Yos</i>	ALBERT A. WEBB ASSOCIATES CONSULTING ENGINEERS	SHEET 1 OF 2
Sinnaro Yos, P.E. C68607	RIVERSIDE CALIFORNIA	W.O. 19-0248

COATING AND LINING SCHEDULE


- 1 ALL EXPOSED INTERIOR SURFACES OF MANHOLE BASE TO BE COATED WITH KOPPERS 300-M, COAL TAR EPOXY PER MANUFACTURERS RECOMMENDATIONS, OR APPROVED EQUAL.

- 2 ALL EXPOSED INTERIOR SURFACES OF MANHOLE SHAFT, CONE, AND GRADE RINGS TO BE LINED WITH UTILITHANE 1600 POLYURETHANE COATING (WHITE) AS MANUFACTURED BY UTILITHANE POLYURETHANES. MIN 150 MILS THICKNESS.

- 3 PRIMER COAT TO BE UTILITHANE LTE 900 PRIMER FOR CONCRETE SUBSTRATES.

- 4 REFER TO SPECIFICATIONS FOR DETAILS, PREPARATION, AND APPLICATIONS.

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