

NOTES:

1. THIS STRUCTURE TO BE USED ONLY TO PICKUP ON SITE DRAINAGE ON PRIVATE PROPERTY UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER
2. DRAIN INLETS WITHIN A PAVED AREA SHALL HAVE A 12" WIDE COLLAR OF 12" THICK CONCRETE. IF SIDE OPENING IS USED OMIT CONCRETE COLLAR ON SIDE OF OPENING.
3. THE INSIDE SURFACE OF FRONT AND BACK WALLS OF THE CATCH BASIN SHALL NOT DEVIATE MORE THAN 2" OF VERTICAL ALIGNMENT.
4. SLOPE FLOOR 2% TO OUTLET.
5. ALL CONCRETE SHALL BE "MINOR CONCRETE" AS DEFINED IN CALTRANS STANDARD SPECIFICATIONS.
6. PROVIDE END OR SIDE OPENINGS AS SHOWN ON PLANS OR CROSS SECTIONS.
7. TOP OF ALL WALLS SHALL BE FINISHED TO A LEVEL PLANE TO PROVIDE EVEN BEARING FOR PLATE COVER.

NO.	REVISION DATE	BY
DRAWN BY:	J. GINNEVER	
CHECKED BY:	D. HARDEN	
SCALE:	NONE	
DATE:	2/2/26	

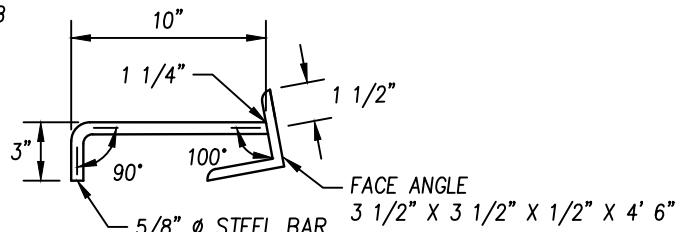
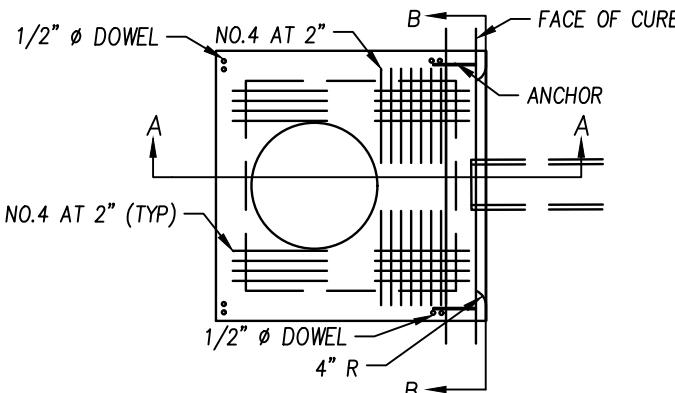
DROP INLET TYPE F
CITY OF GRIDLEY
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY:
 DAVID HARDEN

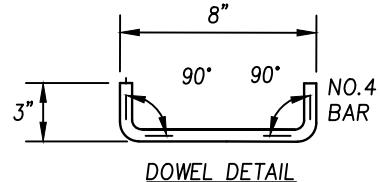
 CITY ENGINEER
 RCE 84216



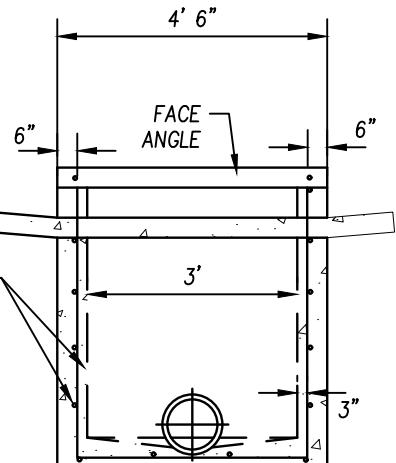
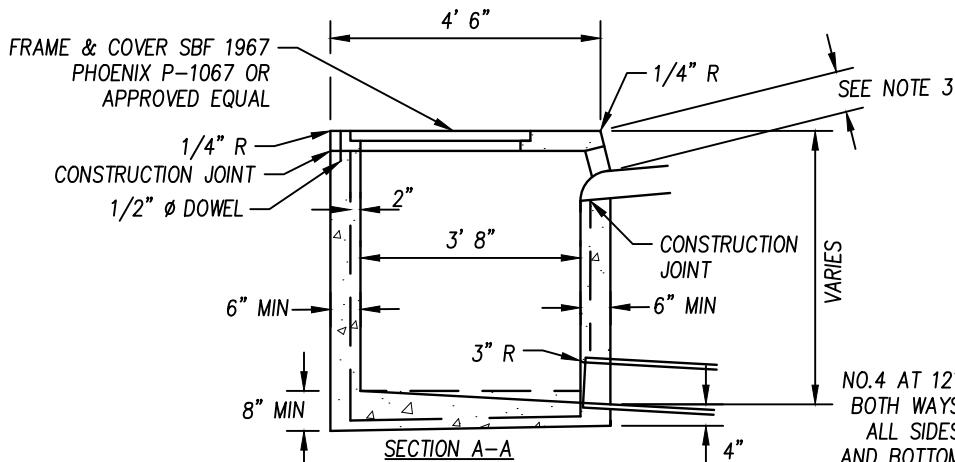
DR-01



FACE ANGLE & ANCHOR DETAIL



DOWEL DETAIL



NOTES:

1. CONNECTION PIPES AND OUTLET PIPES MAY BE PLACED IN ANY POSITION AROUND THE WALLS.
2. CURVATURE OF THE LIP AND SIDE WALLS AT GUTTER OPENING SHALL BE FORMED BY CURVED FORMS.
3. CURB FACE HEIGHT (CH) OF DROP INLET SHALL BE THAT OF THE EXISTING CURB PLUS 1 1/4".
4. INSTALL 3' LONG TRANSITION SECTION EACH SIDE OF INLET TO DEPRESS THE GUTTER FLOWLINE 1 1/4" AT THE INLET.
5. MINIMUM CLEAR SPACING BETWEEN FACE OF CONCRETE AND REINFORCING STEEL TO BE 1 1/2". MAXIMUM DEPTH "D" SHALL BE 8'.
6. FACE ANGLE SHALL BE GALVANIZED AFTER FABRICATION ALL SURFACES SHALL BE FREE OF RUST AND OIL AND NEATLY SOLDERED
7. WHEN PRECAST CONCRETE BOXES ARE FURNISHED THE WALL THICKNESS MAY BE 4" WITH REINFORCEMENT AND THE FACE ANGLE MAY 3/8" STOCK.
8. CONCRETE SHALL BE "MINOR CONCRETE" AS DEFINED IN CALTRANS STANDARD SPECIFICATIONS.

STEEL LIST FOR TOP	
DESCRIPTION	REQ'D
NO.4 BAR 4' 4"	7
NO.4 BAR 3' 11"	8
NO.4 BAR 1' 7"	3
FACE ANGLE 4' 6"	1
DOWELS	4
FRAME & COVER	1

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TYPE 2 DROP INLET

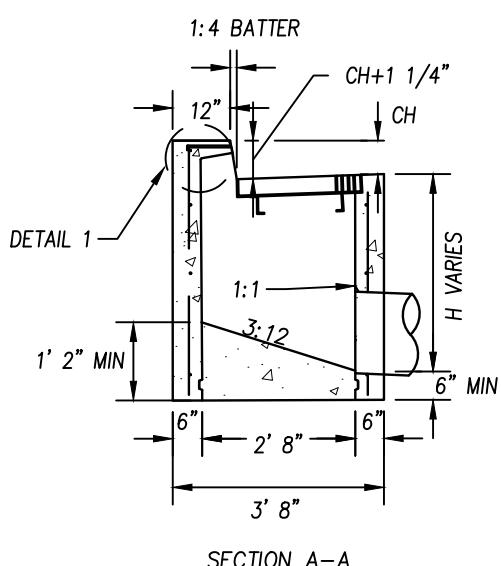
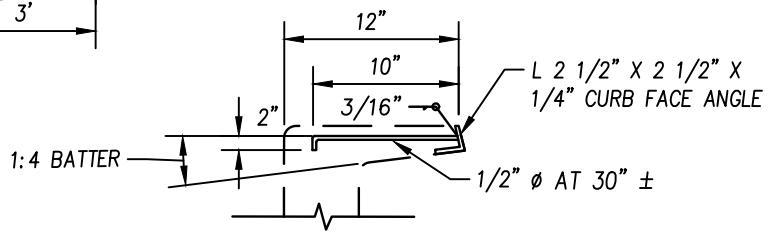
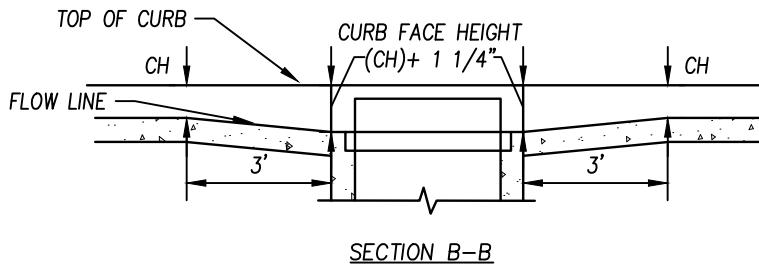
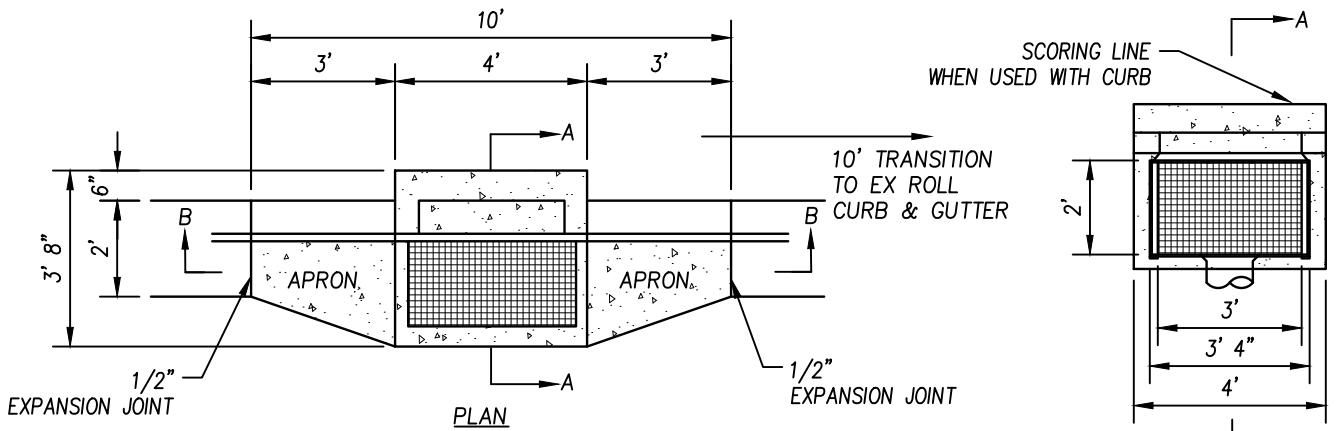
CITY OF GRIDLEY
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:
DAVID HARDEN

CITY ENGINEER
RCE 84216



DR-02



NOTES:

1. "H" SHALL NOT EXCEED 8' MAXIMUM.
2. REINFORCING STEEL IN WALLS SHALL BE NO.4 BARS AT 18" ± CENTERS PLACED 1 1/2" CLEAR TO INSIDE OF BOX UNLESS OTHERWISE SHOWN.
3. FRAME AND GRATE SHALL BE CALTRANS TYPE 24-B OR EQUAL, GALVANIZED.
4. PIPE(S) CAN BE PLACED IN ANY WALL.
5. CURB SECTION SHALL MATCH ADJACENT CURB.
6. BASIN FLOORS SHALL HAVE WOOD TROWEL FINISH AND A MINIMUM SLOPE OF 3:12 FROM ALL DIRECTIONS TOWARD THE OUTLET PIPE.
7. ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED.
8. WHEN INSTALLED IN EXISTING ROLLED CURB & GUTTER WARP TO VERTICAL CURB IN 10' TRANSITION.
9. WHEN APRON IS CONSTRUCTED WITH DROP INLET EXTEND NO.4 SIDEWALL REBAR 12" INTO TAPERED GUTTER PAN.
10. CONCRETE SHALL BE "MINOR CONCRETE" AS DEFINED IN CALTRANS STANDARD SPECIFICATIONS. DELETE APRON IN AREAS WITH NO CURB AND GUTTER
11. THE CITY OF GRIDLEY WILL ACCEPT TYPE GO INLETS THAT MEET THE MOST RECENT CALTRANS SPECIFICATIONS.

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TYPE GO INLET

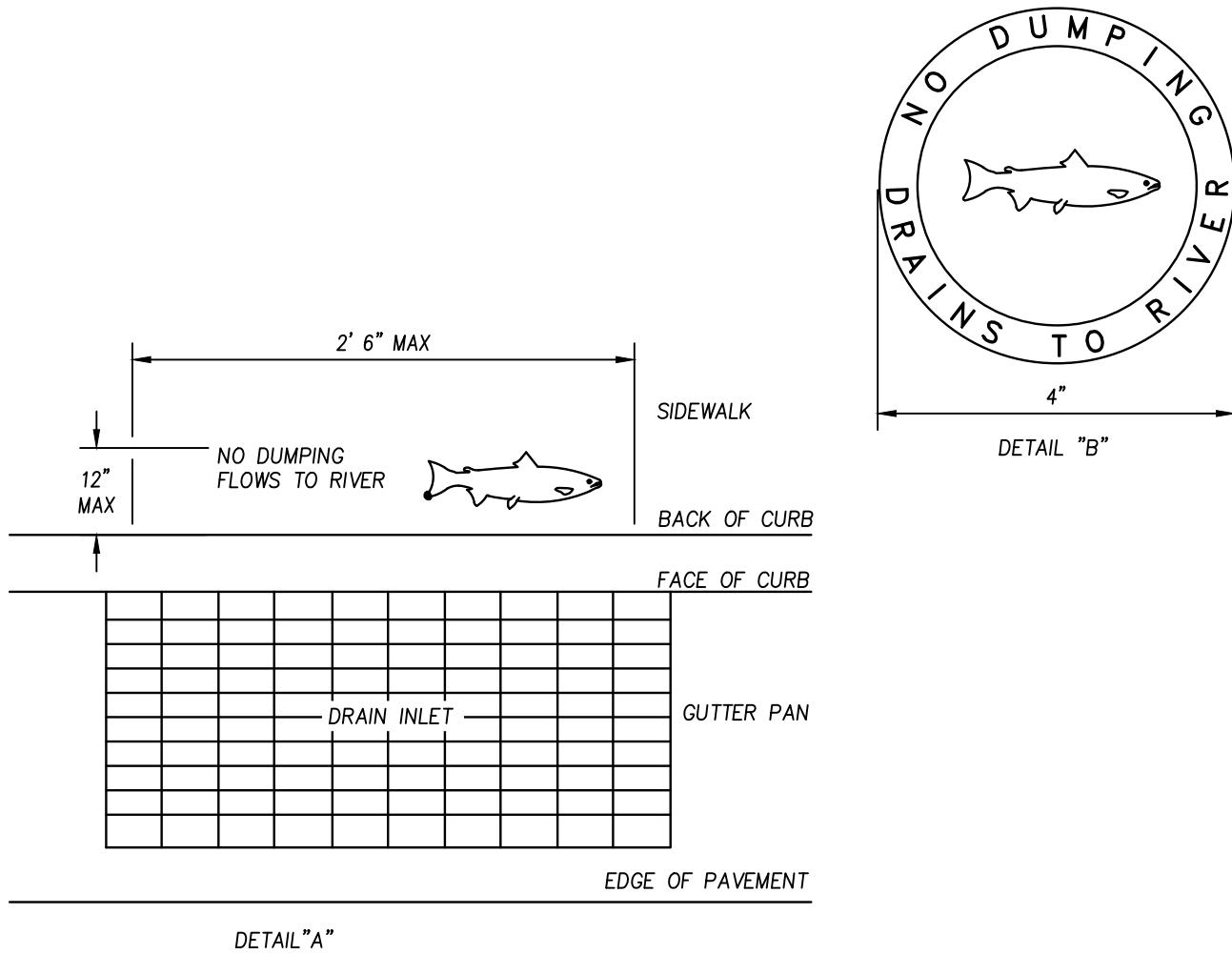
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RCE 84216



DR-03



NOTES:

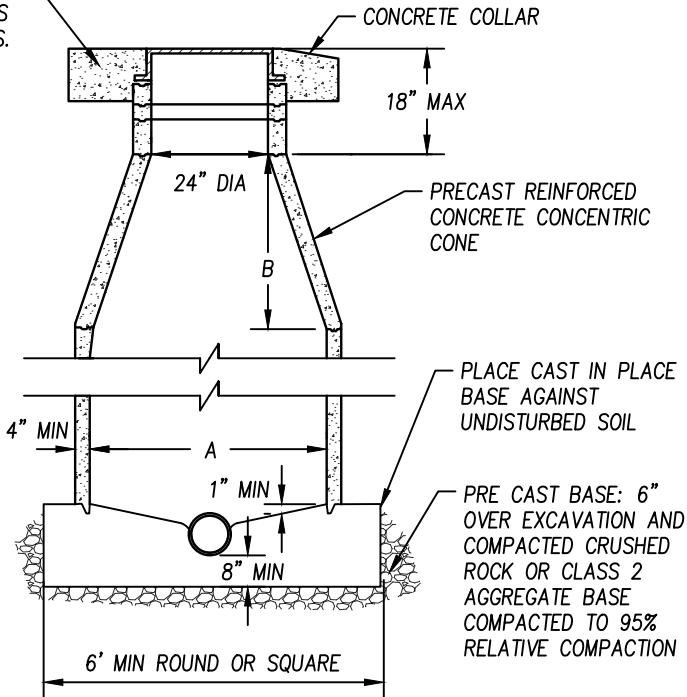
1. DETAIL "A" LETTERING SHALL BE 1 1/4" TO 1 1/2" HIGH. THE MESSAGE AND SYMBOL SHALL BE DEPRESSED 1/8" TO 1/4" INTO THE CONCRETE. THE FISH SYMBOL SHALL BE A MINIMUM 1/8" TO 1/4" INTO THE CONCRETE. THE FISH SYMBOL SHALL BE A MINIMUM OF 11" AND 3 1/2" HIGH.
2. DETAIL "A" SHALL BE PRE-APPROVED BY THE CITY ENGINEER PRIOR TO ITS USE.
3. DETAIL "A" SHALL APPLY TO ALL DRAIN INLET DESIGNS. WHERE THE SIDEWALK DOES NOT ADJOIN THE BACK OF CURB, THE NOTICE SHALL BE STAMPED IN THE CONCRETE BACKUP, BEHIND THE DRAIN INLET. WHERE THE DRAIN INLET IS PLACED IN A "V" GUTTER WITHOUT A CURB INLET, THE NOTICE SHALL BE STAMPED ON ONE SIDE OR THE OTHER, PARALLEL TO THE LENGTH OF THE INLET.
4. DETAIL "B" MAY BE PLACED WHERE DETAIL "A" DOES NOT WARRANT INSTALLATION AT THE DISCRETION OF THE PUBLIC WORKS CONSTRUCTION INSPECTOR. THE MESSAGE SHALL BE FREE OF BLEMISHES, LEGIBLE AND ACCEPTABLE TO THE CITY ENGINEER.
5. "NO DUMPING" PUBLIC NOTICES ARE REQUIRED AT ALL STORM DRAIN INLETS WITHIN THE CITY LIMITS, PUBLIC AND PRIVATE STORM DRAIN IMPROVEMENTS. "DETAIL B" SHALL BE ALMETEK INDUSTRIES MARKER, "ENVIROMARK", STAINLESS MATTE FINISH SD-SP, ITEM NUMBER SD-4, BLUE "NO DUMPING DRAINS TO RIVER" WITH INSTALLATION METHODS 3, 4, 6, 8, OR 9, OR APPROVED EQUAL MAY BE INSTALLED PER MANUFACTURERS' RECOMMENDATIONS.

NO.	REVISION DATE	BY	APPROVED BY: DAVID HARDEN  CITY ENGINEER RCE 84216
			NO DUMPING PUBLIC NOTICE
DRAWN BY:	J. GINNEVER		
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SCALE:	NONE		
DATE:	2/2/26		
			CITY OF GRIDLEY DEPARTMENT OF PUBLIC WORKS
			DR-04

TABLE OF DIMENSIONS

A	B
48"	18"
60"	30"
72"	42"
84"	54"

"MINOR CONCRETE" AS
DEFINED IN CALTRANS
STANDARD SPECIFICATIONS.



DIMENSION "B" IS A MINIMUM DIMENSION
AND MAY BE GREATER IF DEPTH PERMITS.

RISER SECTIONS, CONES, AND ADJUSTING
RINGS SHALL CONFORM TO ASTM
DESIGNATION C-478.

DRAIN INLET FRAMES AND COVERS REPLACEMENT:

1. REPLACEMENT OF EXISTING DRAIN INLET FRAME AND COVERS SHALL MEET REQUIREMENT OF THE CALTRANS BICYCLE PROOF GRATE DETAILS.

MANHOLE FRAMES AND COVERS:

ALL MANHOLE FRAMES AND COVERS SHALL BE OF CAST IRON OR DUCTILE IRON AND CONFORM TO ASTM DESIGNATION A48, C478 OR ASTM A536 FOR DUCTILE IRON OR, CLASS 30 AND SHALL BE THE FOLLOWING OR APPROVED EQUAL FOR THE INDICATED SIZE AND APPLICATION:

1. 24" FRAME AND SLOTTED COVER: D & L SUPPLY # A-1021 (STANDARD 6 5/8" HIGH) OR SOUTH BAY FOUNDRY # D1920; "D" SHALL BE EMBOSSED IN CENTER.
2. 36" FRAME AND COVER: D & L SUPPLY # A-1462 OR SOUTH BAY FOUNDRY #D1907; "D" SHALL BE EMBOSSED IN CENTER.
3. 24" FRAME AND SLOTTED COVER: D & L SUPPLY # C-2660 (# A-1021 WITH SLOTTED COVER), OR SOUTH BAY FOUNDRY # 1920 (SPECIFY SLOTTED COVER).
4. SHORT 24" FRAMES AND COVERS: D & L SUPPLY # A-1022 (5") AND # A-1023 (3"); SOUTH BAY FOUNDRY # 1922 (5") AND # 1923 (3").
5. REXUS MANHOLE COVER: SANT-GOBAIN PAM, CDRU60EHDRA, 24" ROUND LIGHTWEIGHT HINGED, DUCTILE IRON MANHOLE COVER.
6. CRISP BOXED SURVEY MONUMENT WITH PLASTIC FORM WITHOUT COMPANY NAME IS AN APPROVED ALTERNATE PER DETAIL ST-27.
7. D&L SUPPLY #C-2660 (6 5/8" HIGH STANDARD CASTING)
8. D&L SUPPLY #C-2661 (5")

NOTES:

1. JOINT MAY BE EITHER KEYED OR TONGUE AND GROOVE.
2. TOP OF FRAME SHALL BE 1/8" BELOW ADJACENT PAVEMENT.
3. A 0.1' MINIMUM FALL THROUGH MANHOLE.
4. OD OF PIPE SHALL NOT EXCEED ID OF ITS MANHOLE BARREL.
5. JOINTS SHALL BE MADE WITH EITHER NON-SHRINKING MORTAR OR WITH A PLASTIC SEALING COMPOUND CONFORMING TO FEDERAL SPECIFICATIONS FOR PRESERVATIVE AND SEALING COMPOUNDS.
6. FLAT TOP SLAB SHALL BE USED WHEN SHALLOW PIPE DOES NOT PERMIT USE OF A TAPERED DOME. FLAT TOP MANHOLE SHALL BE APPROVED BY CITY ENGINEER.
7. CITY OF GRIDLEY WILL ACCEPT PRE CAST MANHOLES THAT MEET THE MOST RECENT CALTRANS SPECIFICATIONS.
8. END PIPE 2" FROM INSIDE WALL
9. A 5 FT STUB OUT IS REQUIRED AT DEAD END MANHOLES WITH POTENTIAL FOR FUTURE DEVELOPMENT. WHEN A 5FT STUBOUT IS PROVIDED DISREGARD NOTE 2.

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STANDARD PRECAST MANHOLE

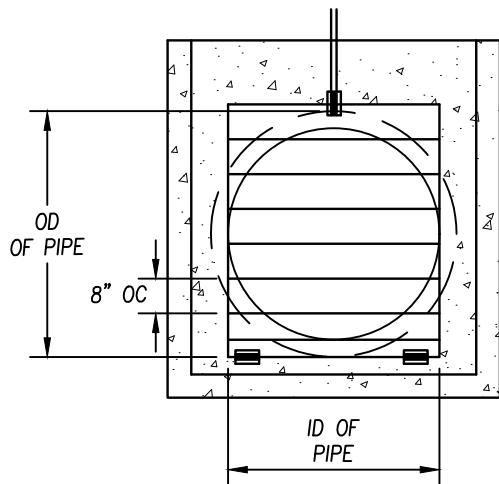
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RCE 84216



DR-05



FASTEN LATCH LINKAGE TO ANCHOR WITH CHAIN AND PADLOCK

LATCH LINKAGE

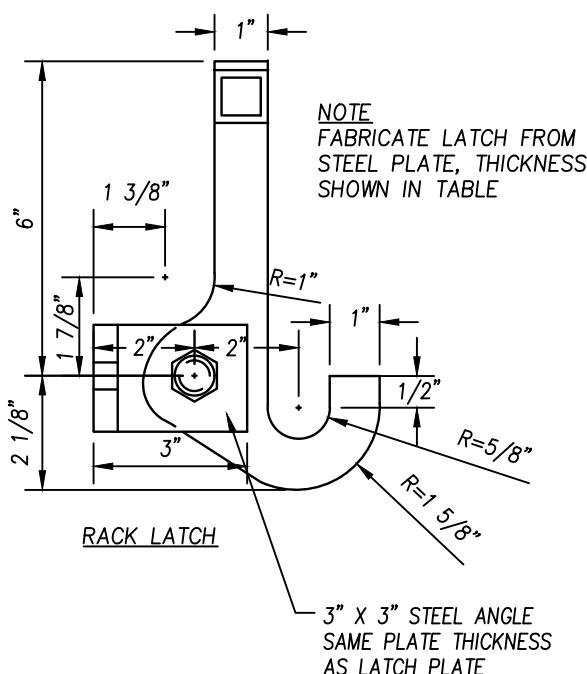
RACK LATCH

ANCHOR-1/2"Ø STEEL BENT TO 3"Ø AND EMBEDDED 12" INTO HEADWALL

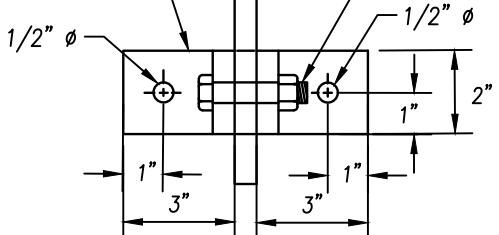
ACCESS CONTROL RACK

HINGE BRACKET

LATCH LINKAGE- SEE TABLE FOR SIZE OF SQUARE TUBING STOCK FOR FABRICATION



3" X 3" STEEL ANGLE
SAME PLATE THICKNESS AS LATCH PLATE



PIPE SIZE	RACK BAR SIZE	LATCH PLATE THICKNESS	LATCH LINKAGE SIZE
21"-27"	N0.4	1/4"	1", .095" THICK
30"-36"	N0.6	3/8"	1", .095" THICK
42"-56"	N0.7	1/2"	1", .133" THICK
60"-84"	N0.8	1/2"	1", .133" THICK

NOTES:

1. ENTIRE RACK TO BE WELDED REINFORCING STEEL OR ROUND BARS OF EQUAL DIAMETER WITH HORIZONTAL BARS BEING 8" CENTER TO CENTER.
2. SUFFICIENT ROOM SHALL BE PROVIDED DOWNSTREAM TO LAY RACK FLAT.
3. FASTEN LATCH BRACKET TO HEADWALL WITH 1/2" X 6" BOLTS WITH HEX NUTS, OR 1/2" EXPANSION BOLTS.
4. WHEN RACK IS IN THE CLOSED POSITION, THE BOTTOM RACK BAR SHALL BE TIGHT AGAINST THE TOP OF THE HINGE BRACKET SO THAT THE RACK CANNOT BE LIFTED OFF THE LATCH.
5. FABRICATE HINGE BRACKET FROM N0.4 REBAR.

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ACCESS CONTROL & TRASH RACK

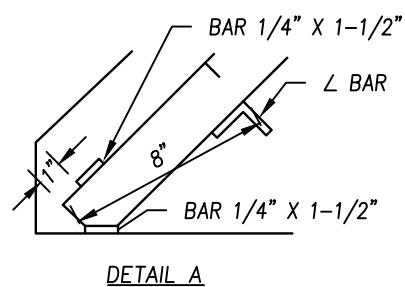
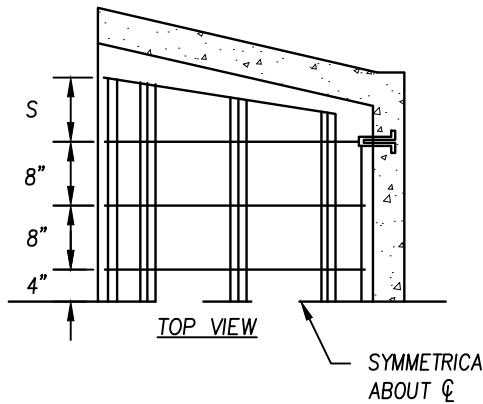
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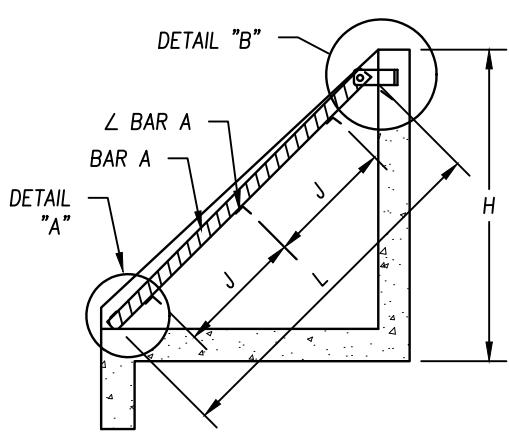
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DR-06

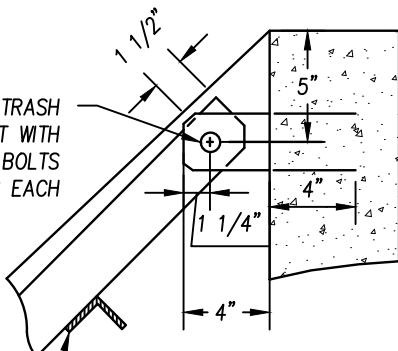


DETAIL A



SIDE VIEW

DRILL 13/16, CONNECT TRASH RACK TO BRACKET WITH 3/4" BY 2-3/4 HEX BOLTS WITH TWO HEX NUTS EACH



DETAIL B

TRASH RACK DIMENSIONS

DIA	NUMBER & SIZE		L	J	S	H
	BAR A	L BAR				
33"	8-3/8 X 2 1/2	3-2 X 2 X 1/4	5'-1"	1'-10"	8"	3"-8"
36"	"	"	5'-4"	1'-11"	8"	3"-10"
42"	9-3/8 X 2 1/2	"	5'-11"	2'-3"	9"	4"-4"
48"	"	4-2 X 2 X 1/4	6'-7"	1'-9"	10"	4"-10"
54"	10-3/8 X 3	4-3 X 3 X 1/4	7'-9"	2'-1 1/2"	10 1/2"	5"-8"
60"	11-3/8 X 3 1/2	"	8'-5"	2'-4"	11"	6"-2"

NOTES:

1. THIS TRASH RACK MAY BE USED WITH PIPE INLET STRUCTURES.
2. MATERIAL TO CONFORM TO ASTM DESIGNATION A-36
3. 'S' MAY VARY WITH 'B'. SEE PLATE.
4. ALL FILLET WELDS TO BE 3/16"
5. TWO HINGES REQUIRED FOR 33", 36" & 42" PIPES. THREE HINGES REQUIRED FOR 48", 54" & 60" PIPES.

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INLET TRASH RACK 33 IN.
PIPE OR LARGER

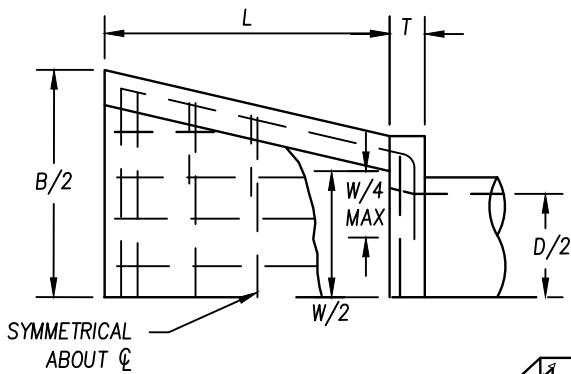
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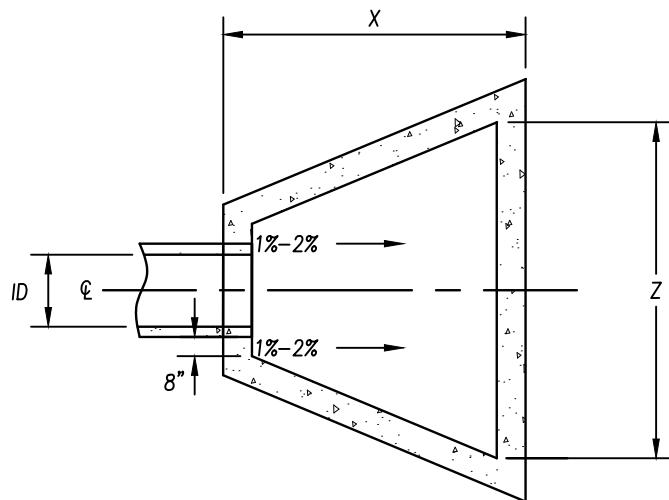
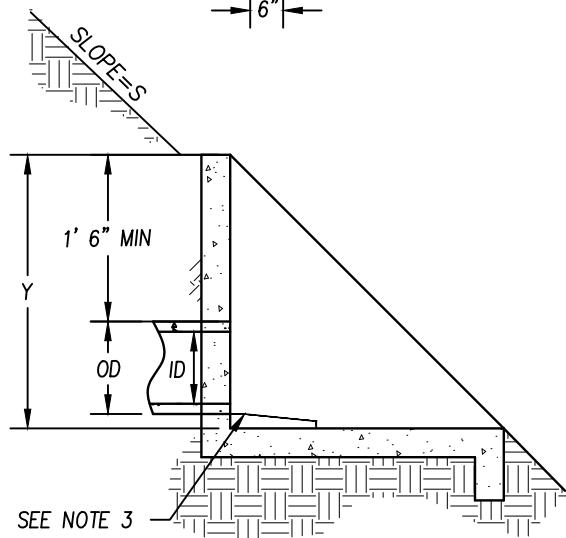
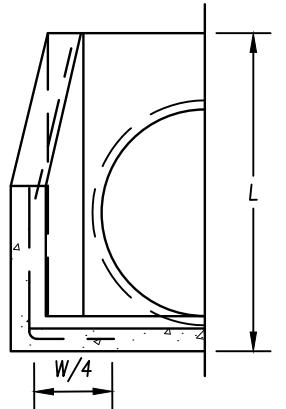
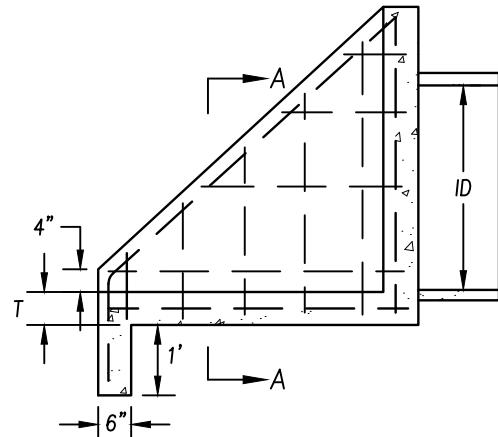


DR-07



DIMENSIONS & REINFORCING

ID	W	B	L	T	ALL REINFORCING
33"	3'-5"	5'-3"	4'-0"	6"	N0.5 @12"
36"	3'-8"	5'-8"	4'-2"	6"	N0.5 @12"
42"	4'-4"	6'-4"	4'-8"	6"	N0.5 @12"
48"	4'-10"	7'-2"	5'-2"	8"	N0.6 @12"
54"	5'-4"	8'-0"	6'-0"	8"	N0.6 @12"
60"	6'-0"	8'-10"	6'-6"	8"	N0.6 @12"



NOTES:

1. "B" MAY BE REDUCED IF REQUIRED BY CHANNEL DIMENSIONS
2. REINFORCING BAR SPACING SHOWN IS MAXIMUM SPACING.
3. ALL CONCRETE TO BE "MINOR CONCRETE" AS DEFINED IN CALTRANS STANDARD SPECIFICATIONS.
4. SEE DR-06 FOR TRASH RACK DETAIL.
5. HEADWALL DESIGN MUST MEET THE FOLLOWING CRITERIA:
 - A. $X = S*Y$ AND $X \geq ID+6(FT)$
 - B. $Z = 4*ID + 2/3*ID$
6. ALL CONCRETE SHALL BE MINIMUM 8" THICK
7. DESIGN ENGINEER SHALL PROVIDE A REBAR SCHEDULE FOR HEADWALLS LESS THAN 4' IN HEIGHT
8. STRUCTURAL CALCULATIONS SHALL BE SUBMITTED FOR HEADWALLS 4' OR GREATER IN HEIGHT

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PIPE INLET AND OUTLET
STRUCTURES

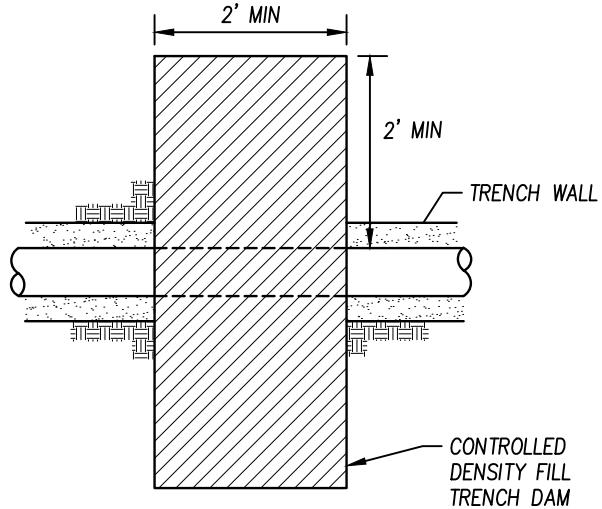
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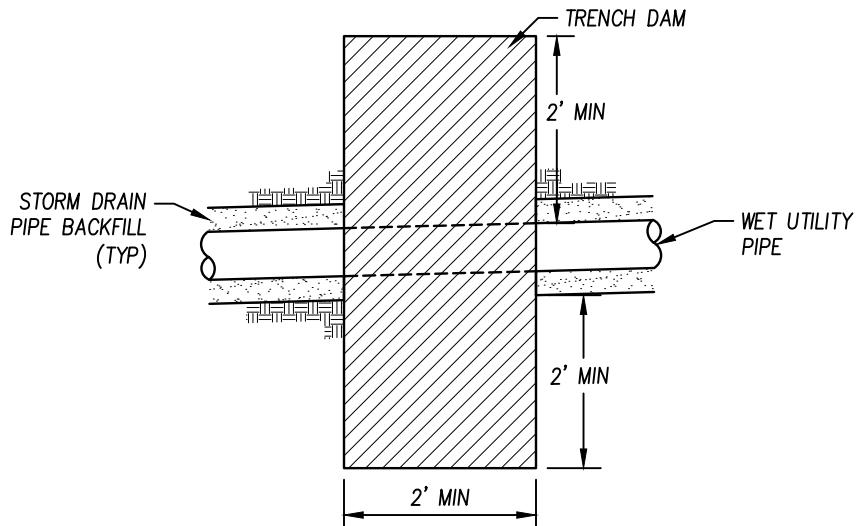
DR-08



PLAN VIEW

NOTE:

TRENCH DAM SHALL BE CONSTRUCTED OF CONTROLLED DENSITY FILL.



PROFILE VIEW

NOTE:

TRENCH DAMS MAY BE REQUIRED WHEN GROUNDWATER IS ENCOUNTERED.

NO.	REVISION DATE	BY	TRENCH DAM		APPROVED BY: DAVID HARDEN  CITY ENGINEER RCE 84216
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CHECKED BY:	D. HARDEN				
SCALE:	NONE				
DATE:	2/2/26				
CITY OF GRIDLEY DEPARTMENT OF PUBLIC WORKS			DR-09		

