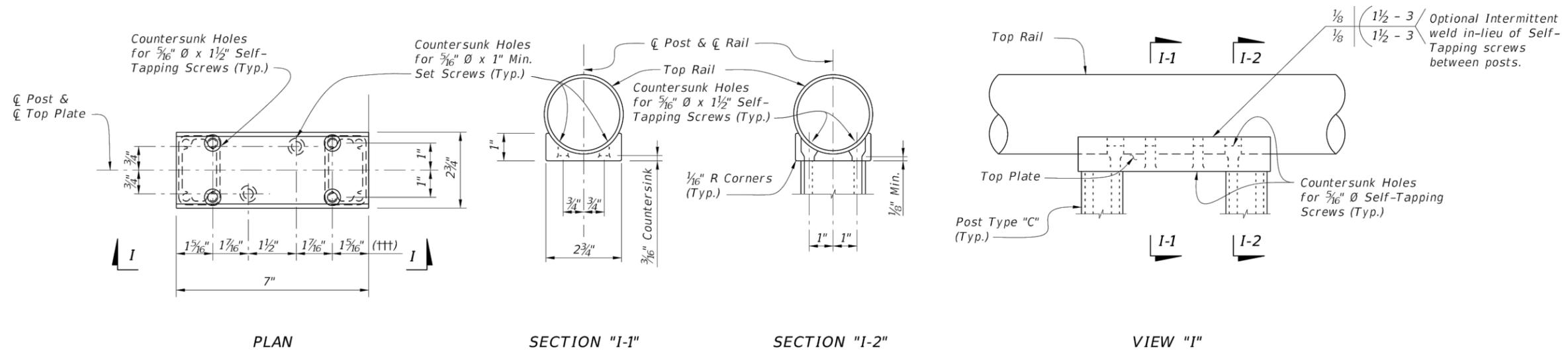


BASE PLATE DETAILS FOR TYPE "C" POST



TOP PLATE DETAILS FOR TYPE "C" POST
(Screws Not Shown For Clarity)

Notes:
 † See Sheet 4 for Notes.
 †† See Sheet 4 for Notes.
 ††† Length varies for beveled posts on grades. Holes must be drilled plumb to align with screw slot.

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	LAST REVISION 11/01/16	DESCRIPTION:		FY 2025-26 STANDARD PLANS	PEDESTRIAN/BICYCLE RAILING (ALUMINUM)	INDEX 515-062	SHEET 5 of 9
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NO.	BY	DATE	DESCRIPTION	INITIALS	DATE
DESIGN	JV				
DRAWN	PCS				
CHECKED	MP				
QUALITY CHK					
SCALE					

PREPARED FOR:
 City Of Arcadia
 P.O. Drawer 1000
 Arcadia, Florida, 34265
 (863) 494-4114

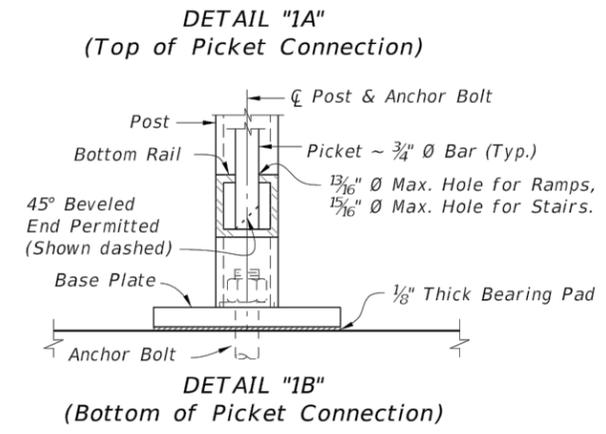
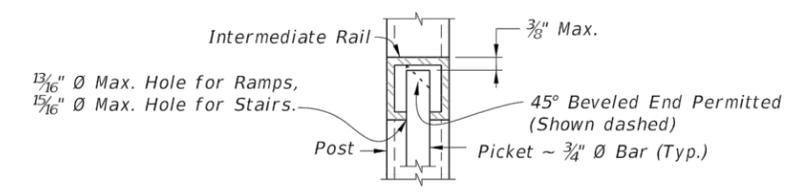
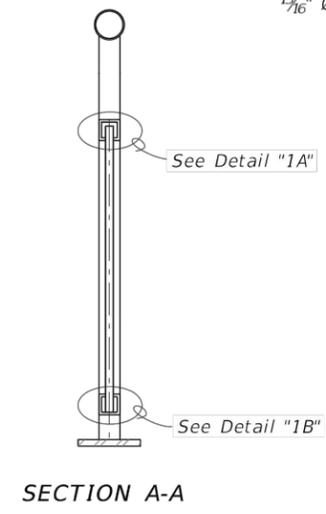
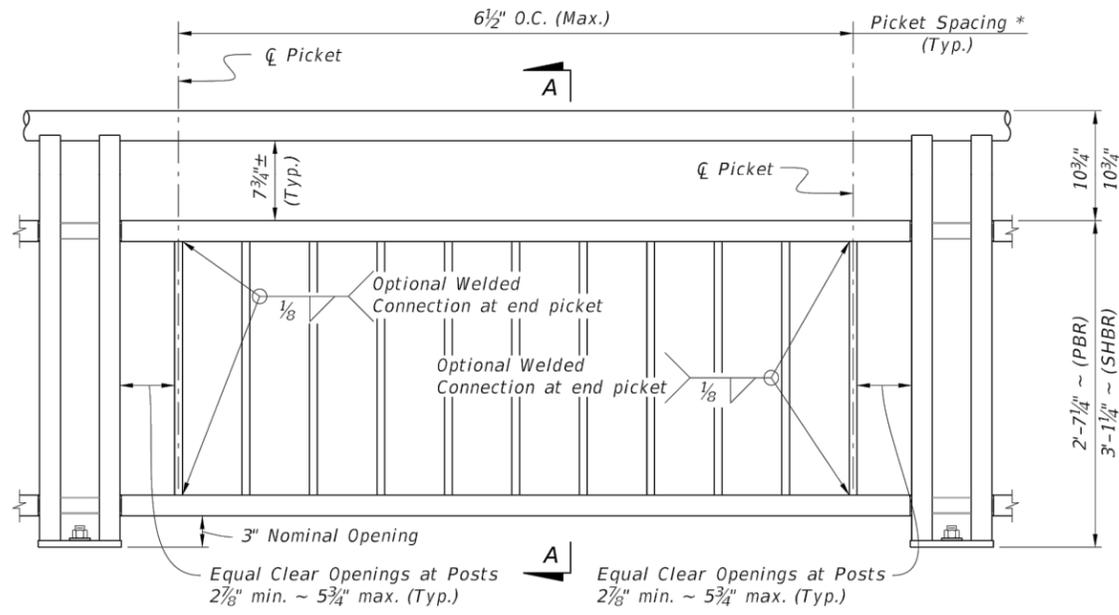


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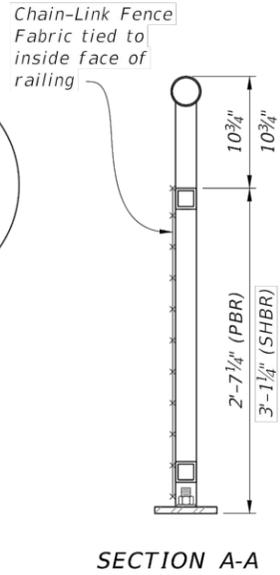
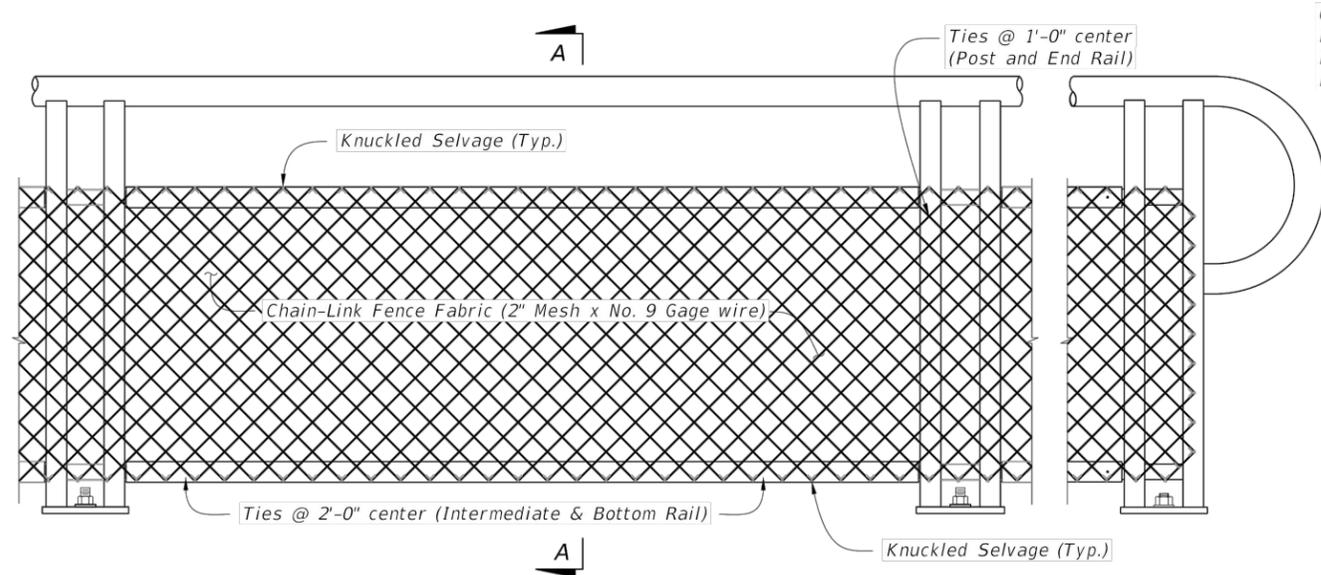
Arcadia Stormwater and Flood Control
 Special Details
 INCLUDES PORTIONS OF:
 SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

JOB NO.
 21Y01018LC
 SHEET NO.
 SD71



TYPE 1 - PICKET INFILL PANEL

PICKET NOTES:
 * Picket Spacing of 6 1/2" centers is based on a 3/4" diameter bar for standard applications. When shown in the Contract Plans a 4 1/2" picket spacing may be required. See Note 4 (Sheet 1).



TYPE 2 - CHAIN-LINK (Continuous Infill Panel)

NOTE:
 See Plans for Infill Panel option required.

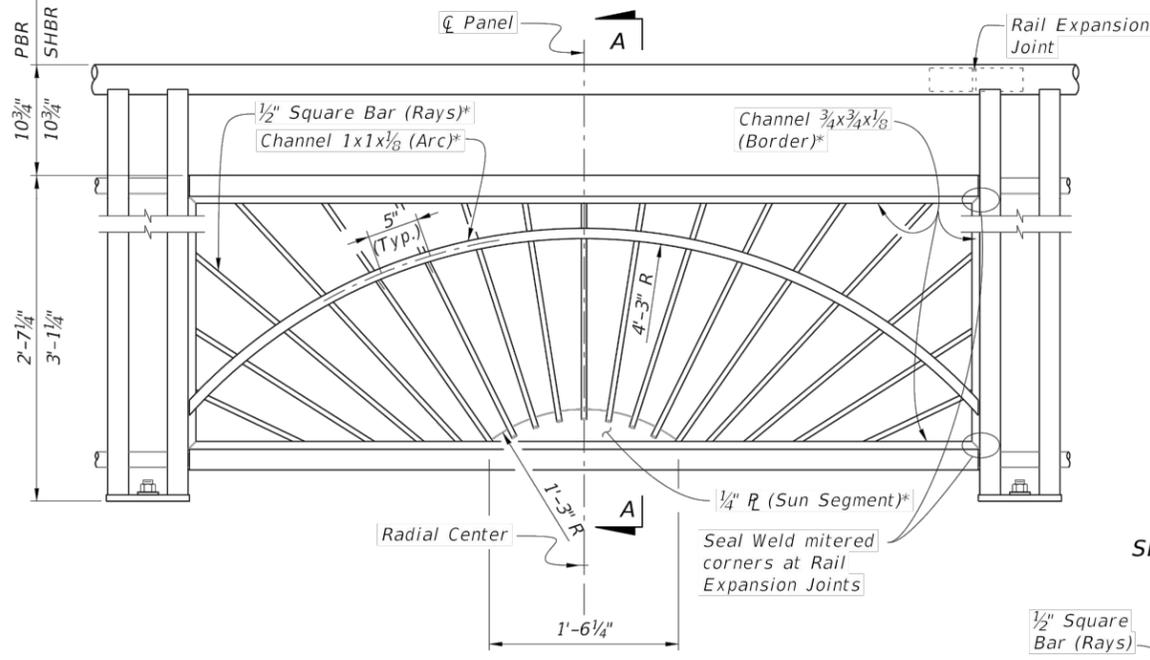
TABLE 2 - CHAIN-LINK PANEL COMPONENT MATERIALS		
COMPONENT	ASTM	COMPONENT INFORMATION
Chain-Link Fence Fabric (2" mesh with knuckled top and bottom selvage)	A392	Zinc-Coated Steel - No. 9 gage (coated wire diameter), Class 2 Coating
	A491	Aluminum-Coated Steel - No. 9 gage (coated wire diameter)
	F668	Polyvinyl Chloride (PVC) Coated Steel - No. 9 gage Zinc-Coated Wire (metallic-coated core wire diameter) ~ See Plans for specified color of PVC.
Tie Wires	F626	Zinc-Coated Steel Wire - No. 9 gage with coating to match Chain-Link Fence Fabric.
Tension Bars	F626	3/16" (min. thickness) x 3/4" (min. width) x 2'-3" (min. height) Steel Bars
Miscellaneous Fence Components	F626	Zinc-Coated Steel

CHAIN-LINK PANEL NOTE:
 Chain-Link Fence Fabric shall be continuous along limits of railing. Splicing of Chain-Link panels using Tension Bars at 20'-0" minimum increments is permitted.

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LAST REVISION 11/01/21		DESCRIPTION:		FY 2025-26 STANDARD PLANS	PEDESTRIAN/BICYCLE RAILING (ALUMINUM)	INDEX 515-062	SHEET 6 of 9						
NO. BY DATE	DESCRIPTION	DESIGN JV	DRAWN PCS	CHECKED MP	QUALITY CHK	SCALE	PREPARED FOR: City Of Arcadia P.O. Drawer 1000 Arcadia, Florida, 34265 (863) 494-4114			525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950 PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CML, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING ECOLOGY GIS PLANNING SURVEYING ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA	Arcadia Stormwater and Flood Control Special Details	JOB NO. 21Y01018LC	SHEET NO. SD72

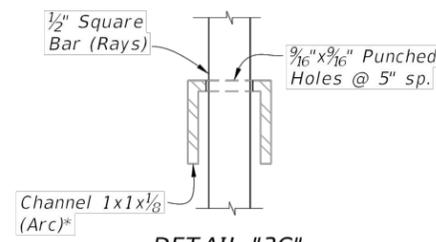
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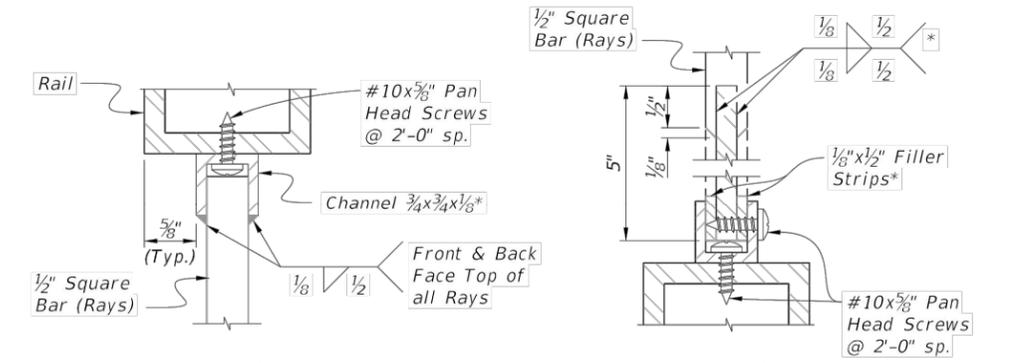
TYPE 3 - SUNSHINE INFILL PANEL

* Arc, Rays and Sun Segment may be formed in a single panel from 1/2" plate (ASTM B209 Alloy 6061-T6 or T651) pattern cut with laser or plasma CNC, welded to a 1x1x1/8 Angle Border or the 3/4x3/4x1/8 Channel Border shown.

SECTION A-A

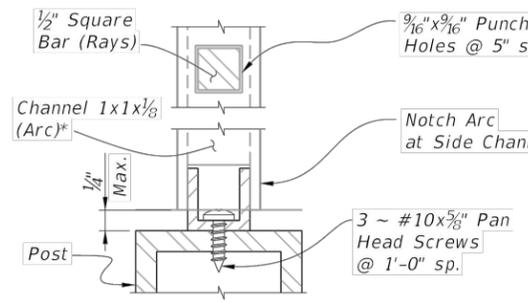


DETAIL "3C" RAY/ARC CONNECTION

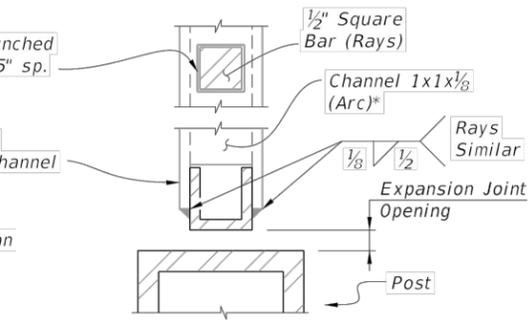


DETAIL "3A" INTERMEDIATE RAIL/RAY CONNECTION

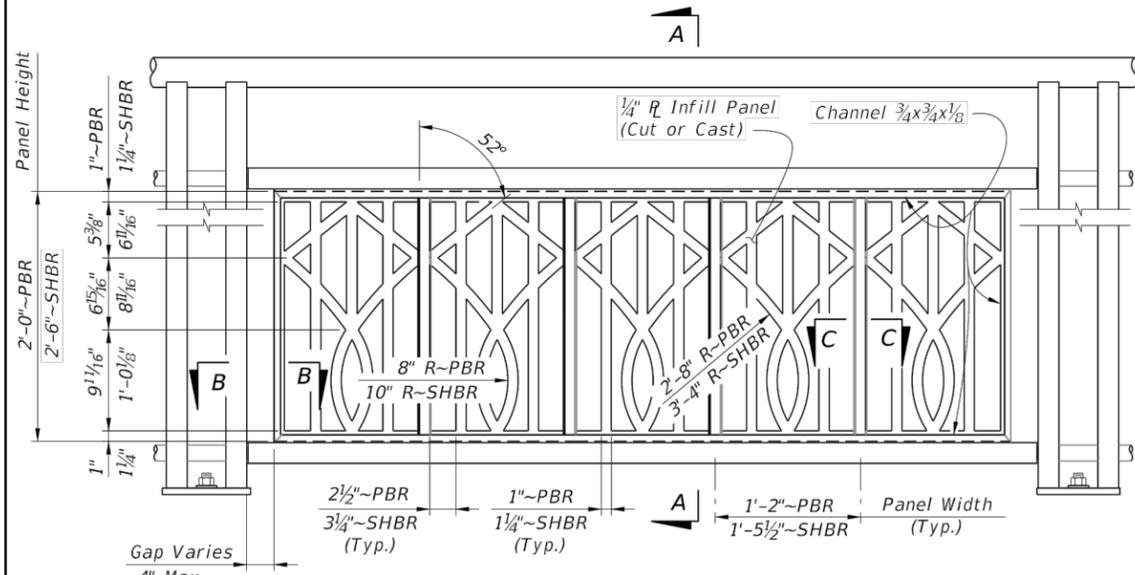
DETAIL "3B" BOTTOM RAIL/RAY CONNECTION



DETAIL "3D" ARC/POST CONNECTION (Continuous Top Rail)



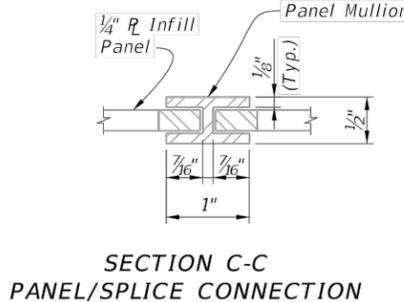
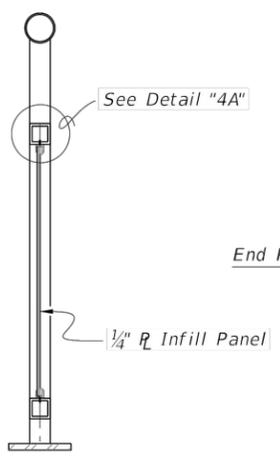
DETAIL "3E" PANEL END CONNECTION AT POST WITH EXPANSION JOINT



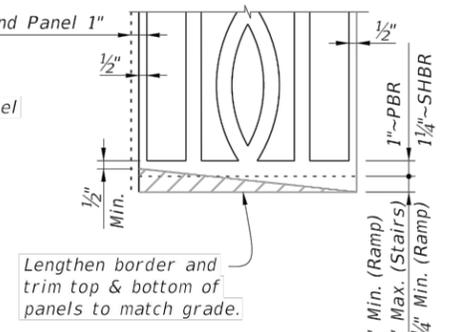
TYPE 4 - BROADWAY INFILL PANEL

NOTE: See Plans for Infill Panel Option required.

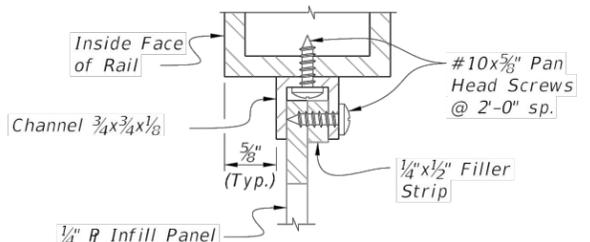
SECTION A-A



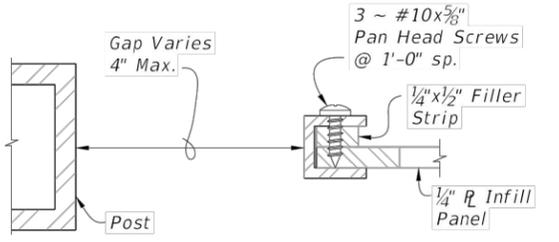
SECTION C-C PANEL/SPLICE CONNECTION



PANEL ADJUSTMENT FOR RAILINGS ON GRADES



DETAIL "4A" PANEL/RAIL CONNECTION (Top Shown, Bottom Similar)



SECTION B-B PANEL END CAP

NO.	BY	DATE	DESCRIPTION
11	01	16	REVISION
10			LAST REVISION

FDOT
FY 2025-26
STANDARD PLANS

PEDESTRIAN/BICYCLE RAILING (ALUMINUM)

INDEX
515-062
SHEET
7 of 9

NO.	BY	DATE	DESCRIPTION	INITIALS	DATE
DESIGN	JV				
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QUALITY CHK					
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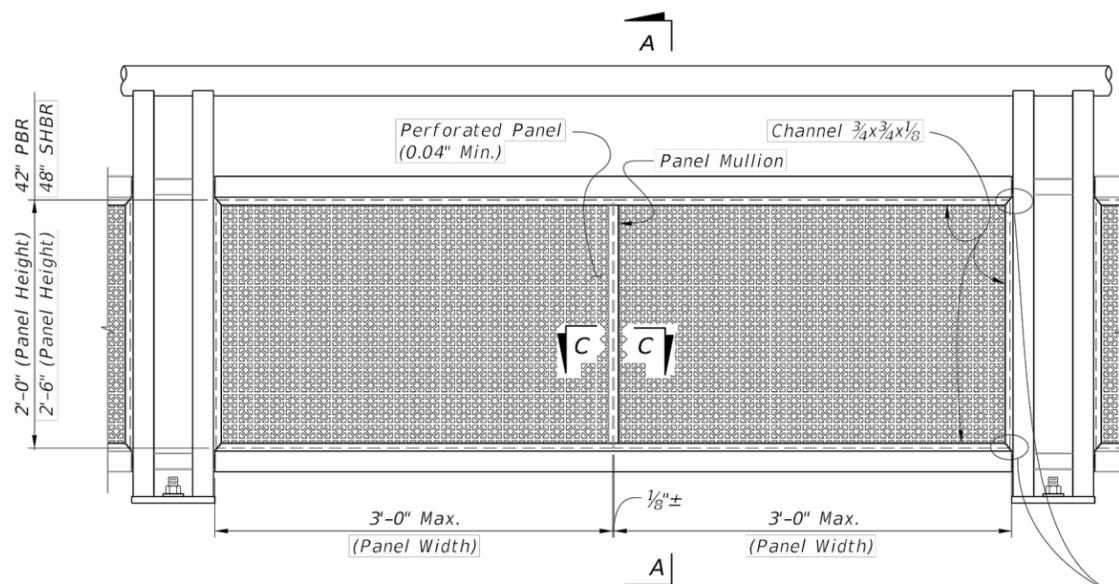
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No.

Arcadia Stormwater and Flood Control
Special Details
INCLUDES PORTIONS OF:
SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

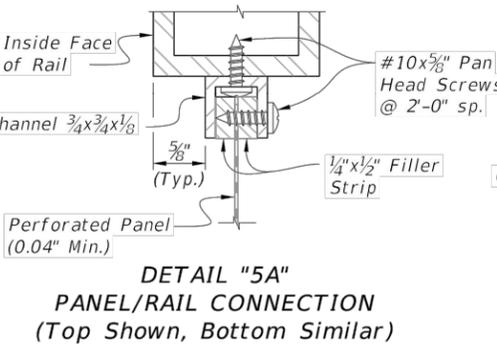
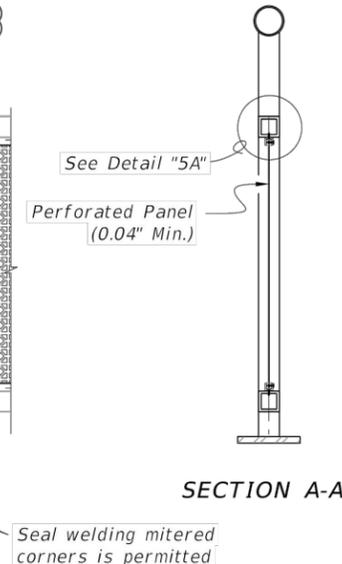
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21Y01018LC
SHEET NO.
SD73

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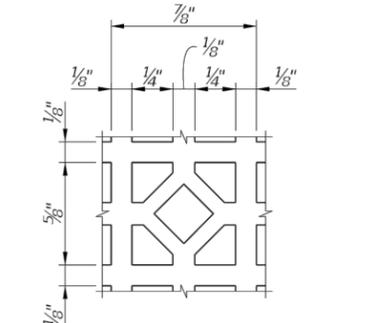
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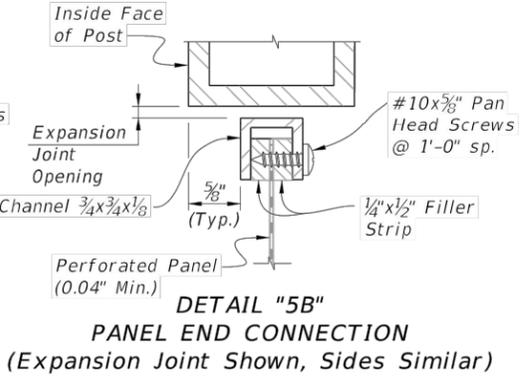
TYPE 5 - PERFORATED INFILL PANEL



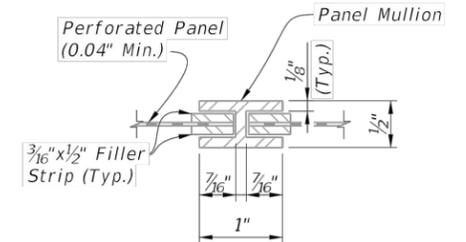
DETAIL "5A"
PANEL/RAIL CONNECTION
(Top Shown, Bottom Similar)



REPEATING PATTERN DETAIL
FOR PERFORATED PANEL



DETAIL "5B"
PANEL END CONNECTION
(Expansion Joint Shown, Sides Similar)



SECTION C-C
PANEL/SPLICE CONNECTION

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LAST REVISION 11/01/16	DESCRIPTION:	 FY 2025-26 STANDARD PLANS	PEDESTRIAN/BICYCLE RAILING (ALUMINUM)	INDEX 515-062	SHEET 8 of 9
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NO.	BY	DATE	DESCRIPTION	INITIALS	DATE
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QUALITY CHK					
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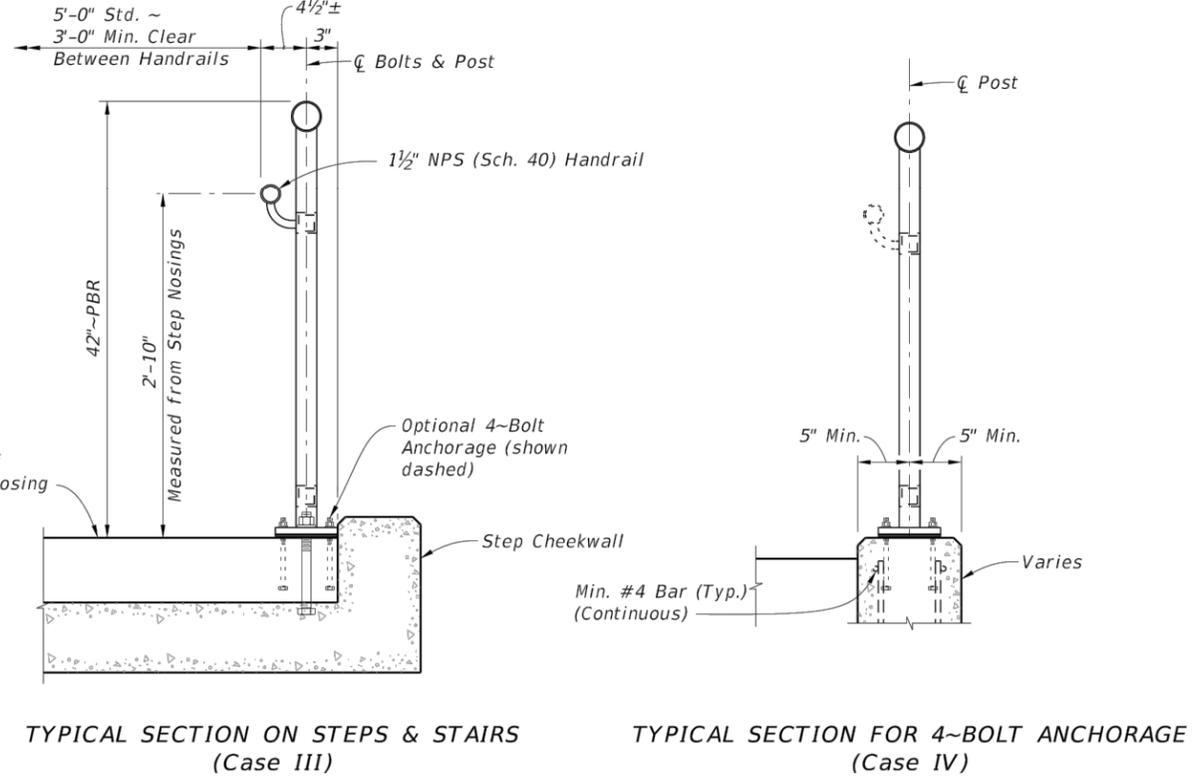
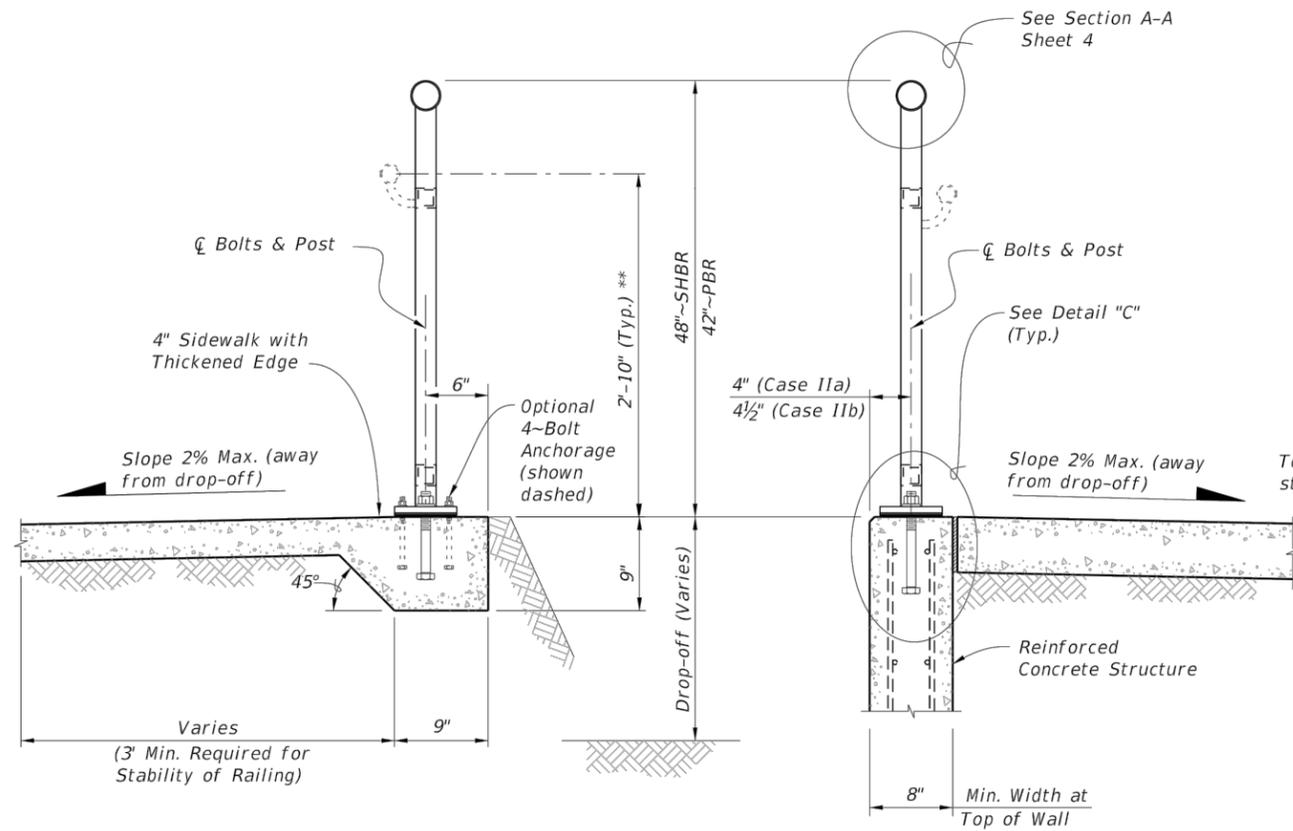


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 Special Details
 INCLUDES PORTIONS OF:
 SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

JOB NO.
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 SHEET NO.
SD74

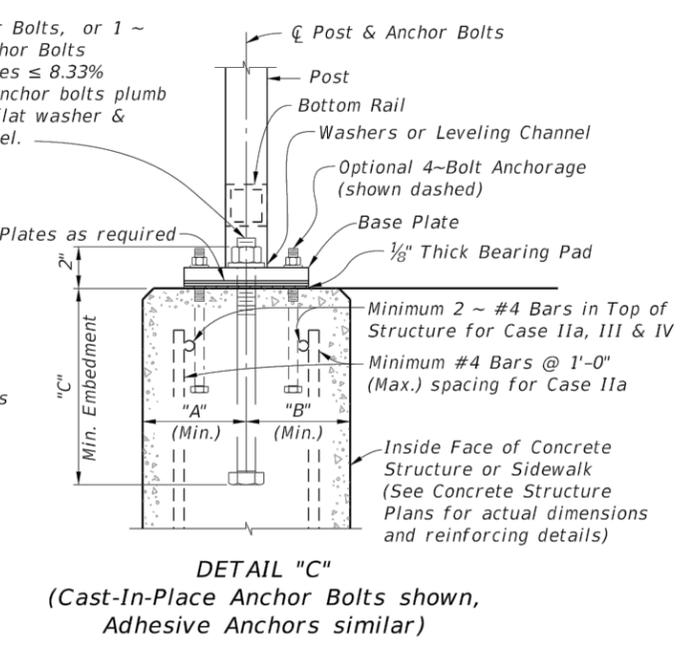
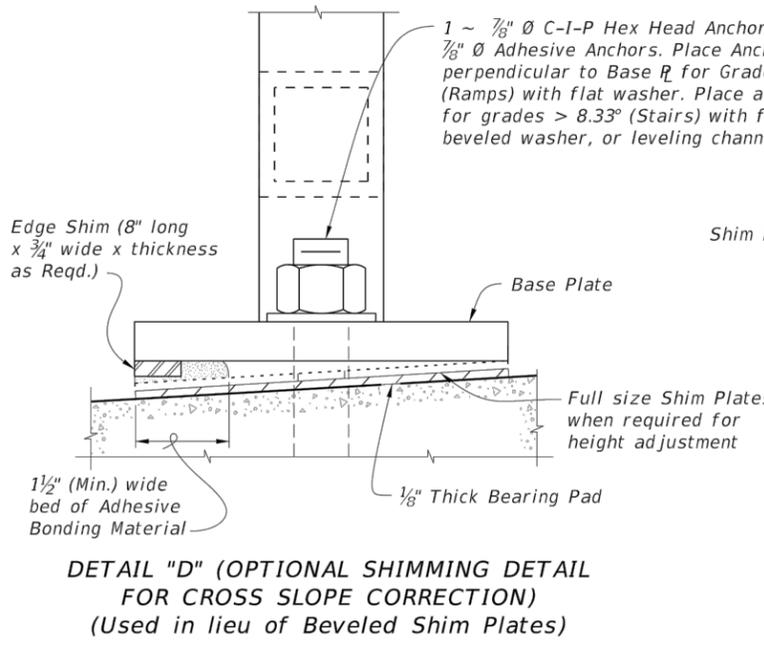


TYPICAL SECTION ON CONCRETE SIDEWALK (Case I)

TYPICAL SECTION ON RETAINING WALL (Case II)

TYPICAL SECTION ON STEPS & STAIRS (Case III)

TYPICAL SECTION FOR 4-BOLT ANCHORAGE (Case IV)



CASE	STRUCTURE TYPE	DIMENSIONS			ANCHOR LENGTH		ANCHOR SIZE
		"A"	"B"	"C"	C.I.P. Hex Head Bolt	Adhesive Anchor	
		Edge Dist.	Edge Dist.	Embedment			
I	Unreinforced Concrete	6"	1'-2"	6"	7 1/2"	8"	7/8" Ø
IIa	Reinforced Concrete	4"	4"	9"	10 1/2"	11"	7/8" Ø
IIb	Gravity Wall Index 400-011	4 1/2"	3 1/2" @ top	9"	10 1/2"	11"	7/8" Ø
III	Step Cheekwall	4 1/2"	4 1/2"	9"	10 1/2"	11"	7/8" Ø
IV	Varies	5"	5"	5"	6 1/2"	7"	7/16" Ø

** When required; measured from top of sidewalk (Typ.)

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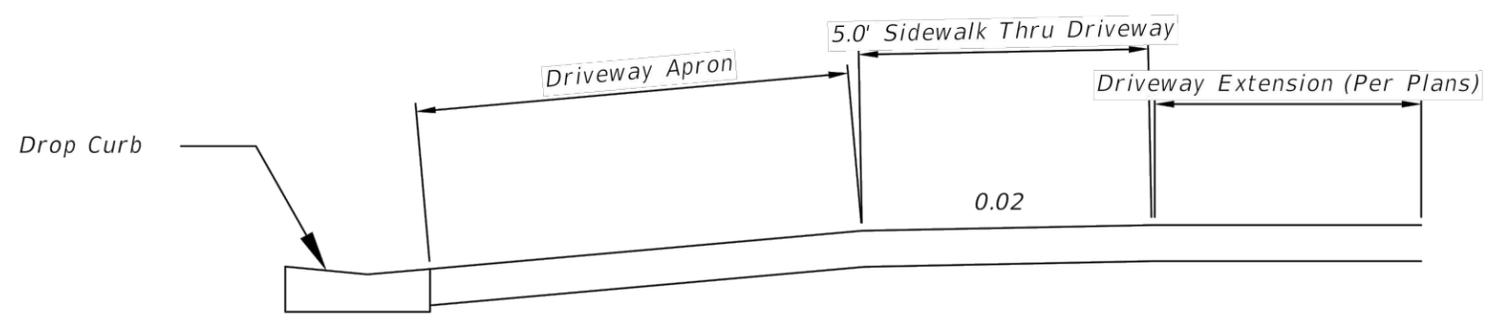
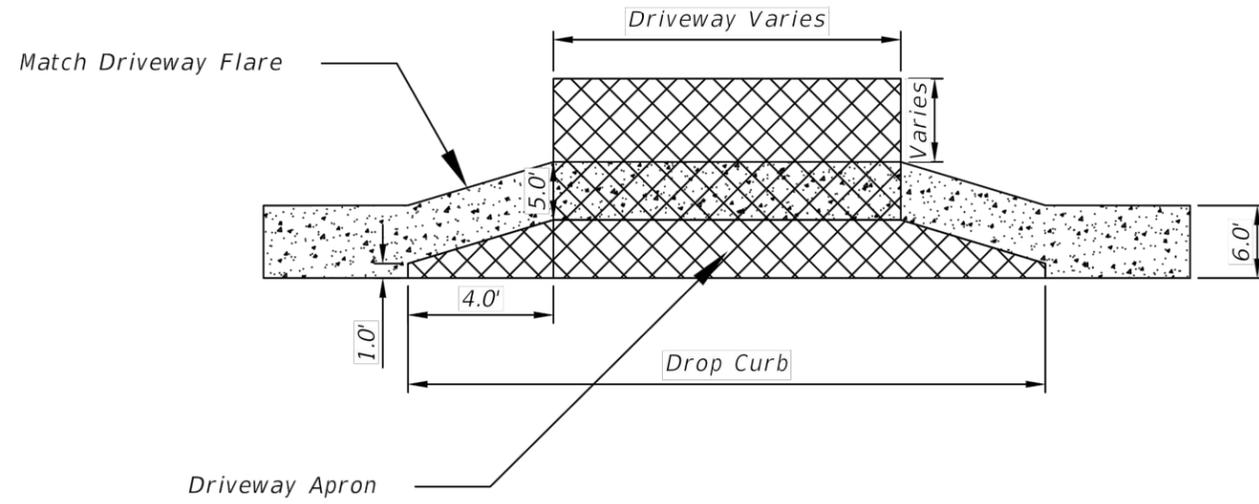
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								City Of Arcadia P.O. Drawer 1000 Arcadia, Florida, 34265 (863) 494-4114			SHEET NO. SD75

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General Notes:

1. Refer to Index 520-001 for drop curb details and Index 522-001 for joints between driveway, sidewalks, and curb.
2. Existing Curb and Gutter:
Remove existing curb and gutter to either the nearest joint beyond the flared point or to where no remaining section is less than 5 feet long.
3. Grades and cross slopes shown are maximums.
4. Longitudinal Joints:
Construct $\frac{1}{8}$ " open joints placed at equal (20' max.) intervals for driveways over 20' wide. Match joints in curb and gutter to match joints in driveways.
5. Transverse Joints:
Construct $\frac{1}{8}$ " open joints @ 10' Centers and $\frac{1}{2}$ " expansion joints with preformed joint filler every 5th joint.
6. Construct driveways (6" thick concrete) to a uniform width (W) to the R/W line or the extent shown in the Plans.
7. Width of Sidewalk Thru Driveway is 4'-0" minimum. Match sidewalk width when shown in Plans or when utility strip width is equal to or greater than the depth of the Driveway Apron.
8. Alpha-Numeric Identification:
Concrete Flared Driveway Alpha-Numeric Identifications (e.g. G4) are provided for reference purposes in the Plans.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

George F. Young, Inc.
 525 E. OLYMPIA AVE., SUITE 5
 PUNTA GORDA, FLORIDA 33950
 PHONE (941) 747-2981
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
E. GIBSON	DESOTO	447960-1-54-01

DETAILS	
E. GIBSON ST. (FROM SR 17 TO N. MILLS AVE)	
SHEET NO.	D-24

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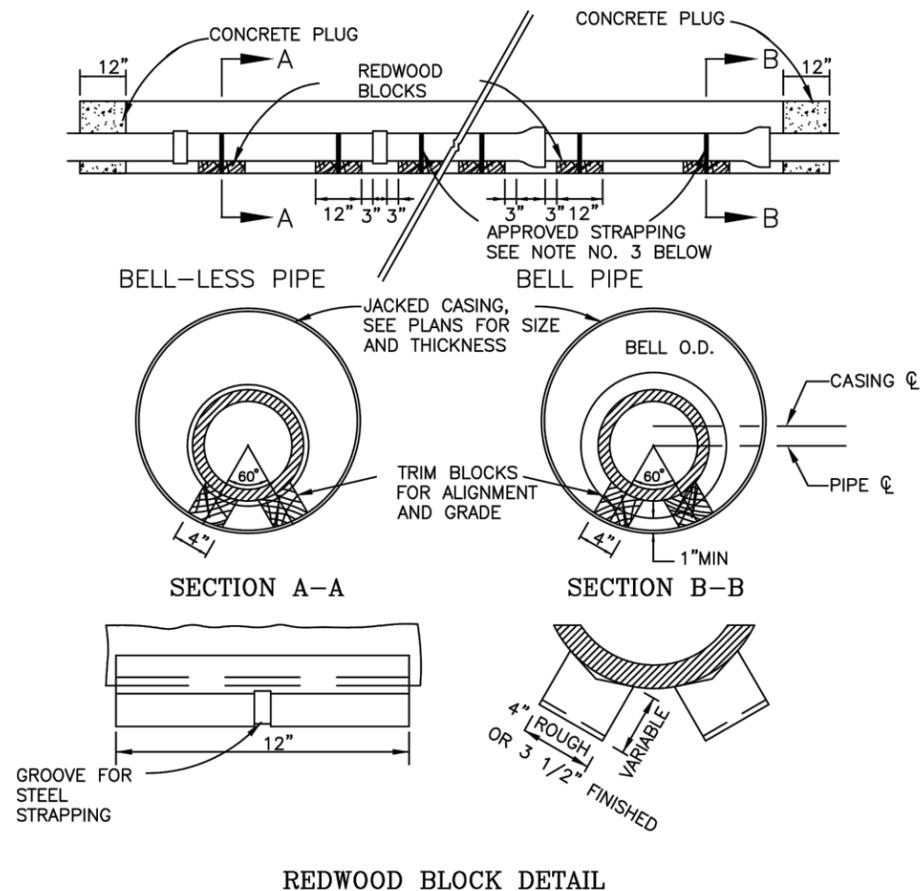
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SHEET NO.	SD76

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REDWOOD BLOCK DETAIL

NOTES:

1. REDWOOD BLOCKS SHALL BE CONSTRUCTION GRADE.
2. REDWOOD BLOCKS SHALL BE VEED TO FIT CONTOUR OF PIPE.
3. REDWOOD BLOCKS SHALL BE STRAPPED TO THE PIPE WITH STEEL STRAPPING OR APPROVED WIRE BANDS.
4. PLUG ENDS OF CASING WITH 12 INCHES MINIMUM OF CONCRETE.
5. CONCRETE SHALL BE CLASS "B" P.C.C..

SEWER PIPE IN JACKED STEEL CASING

NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE
				DESIGN	JV	
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				CHECKED	MP	
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