

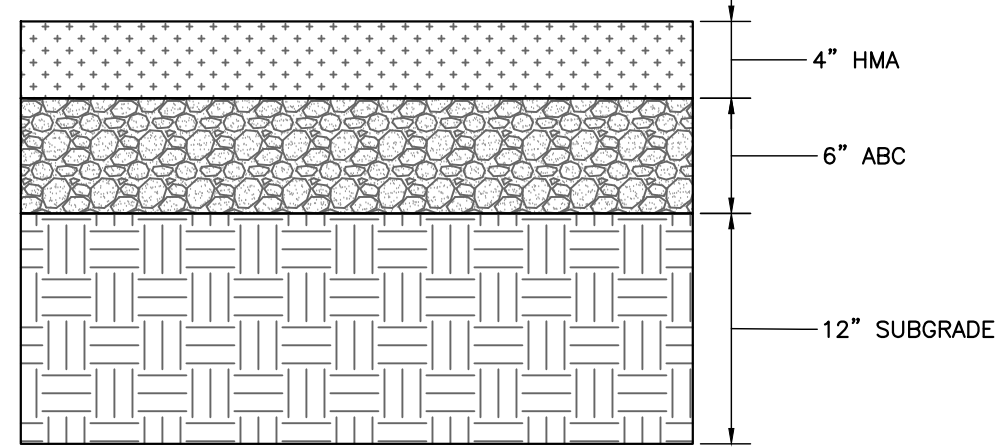
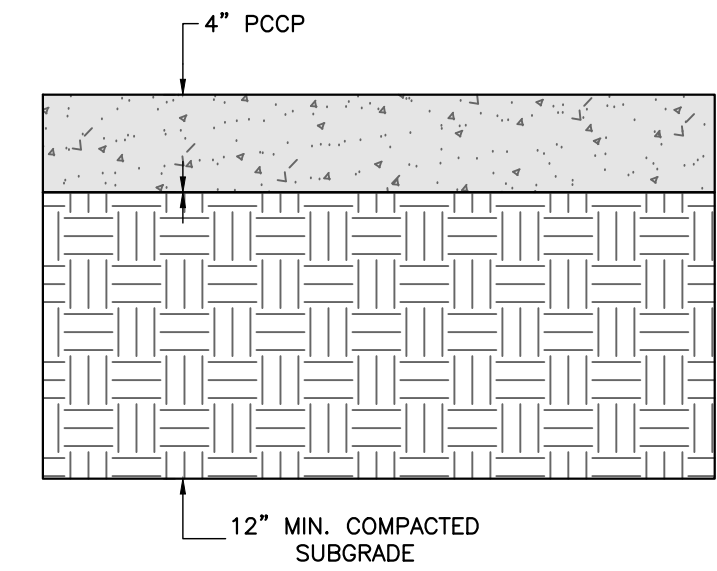
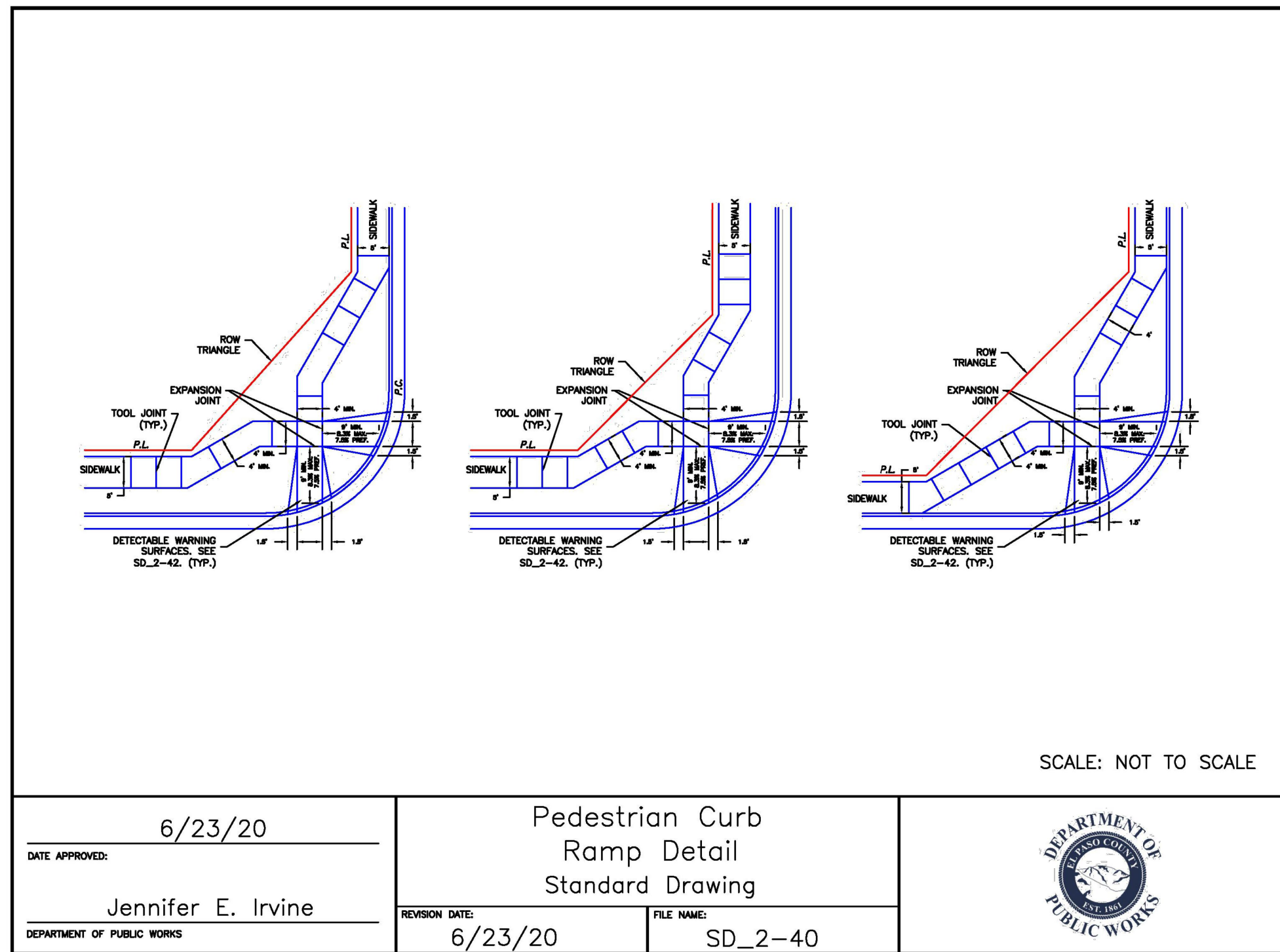
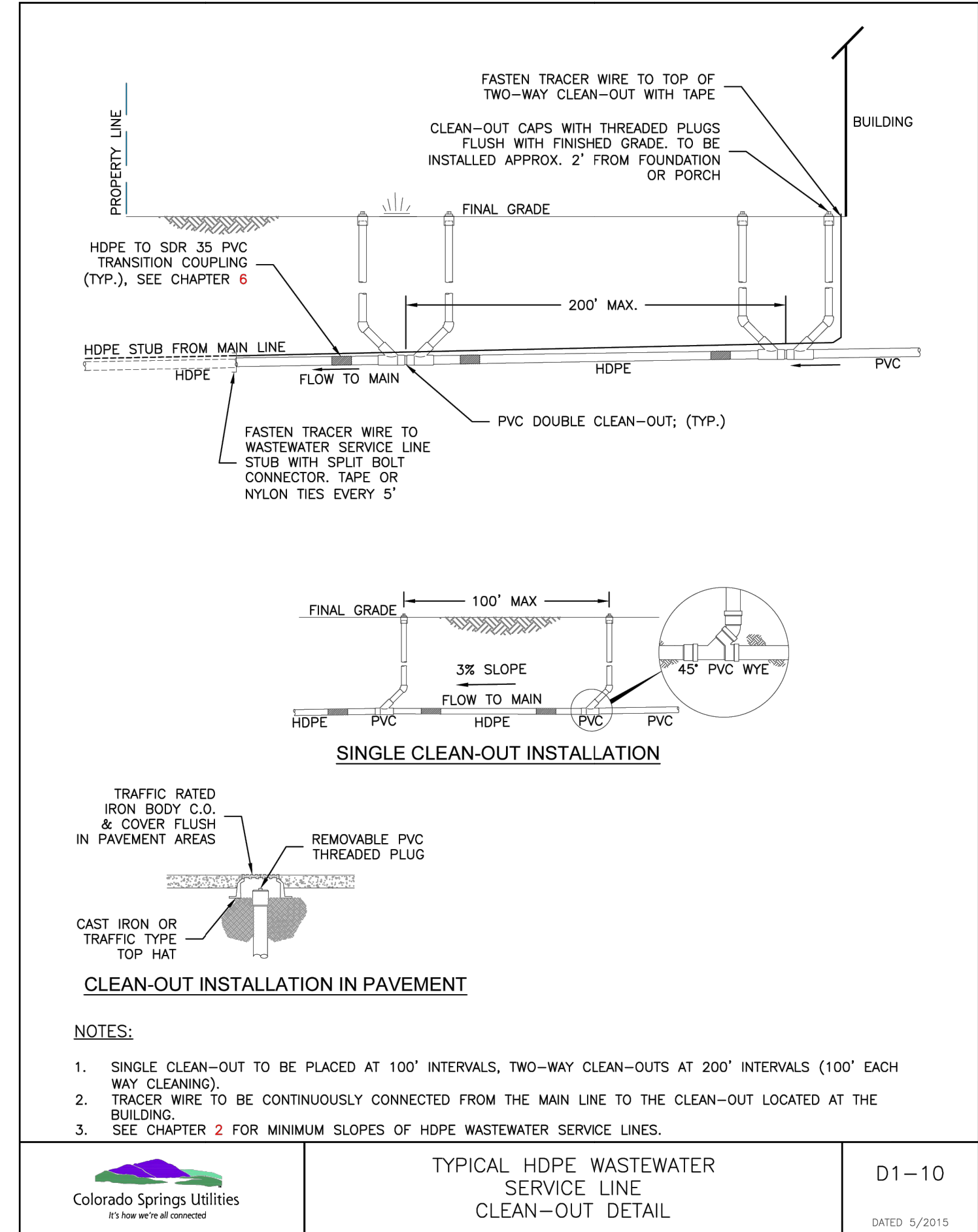
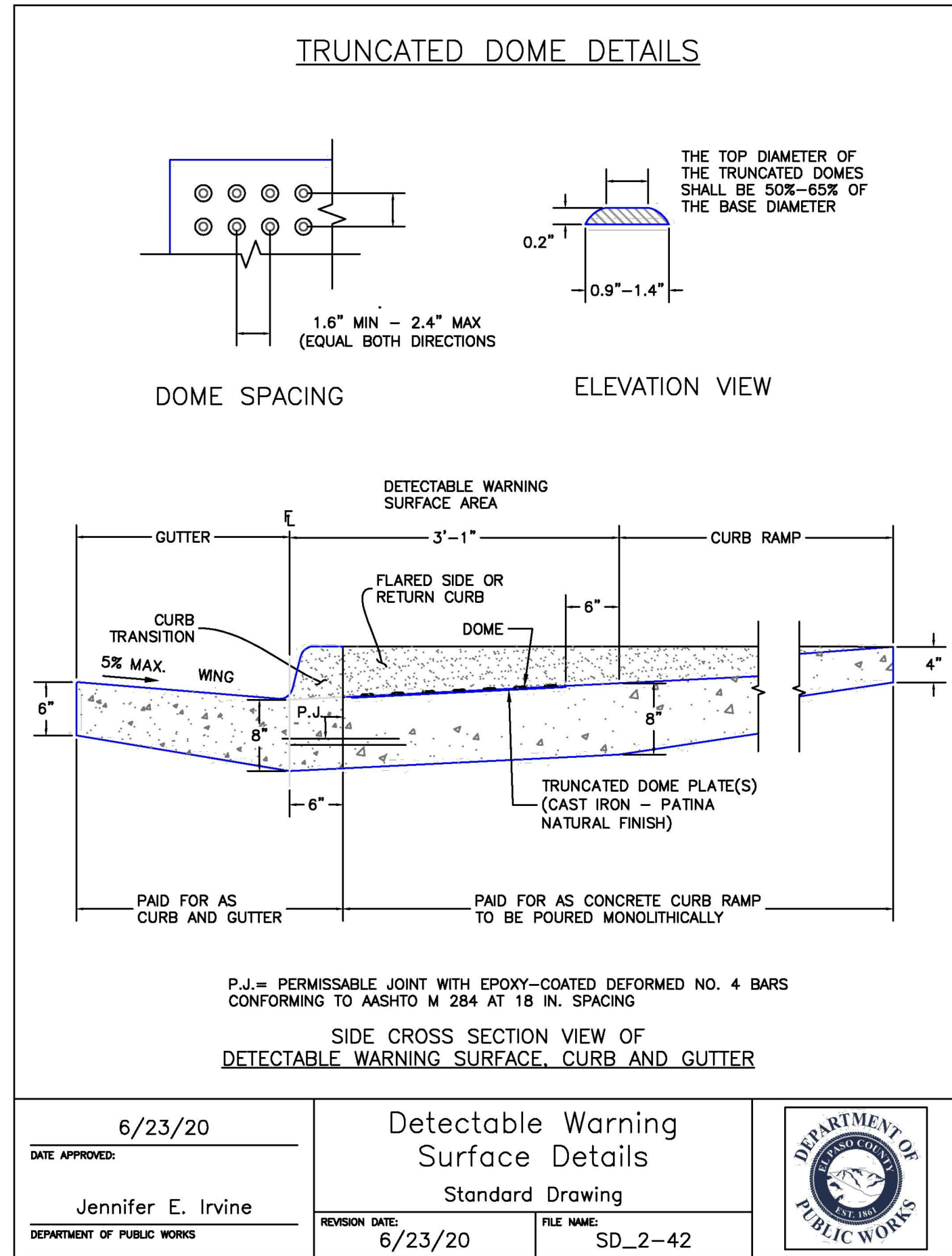
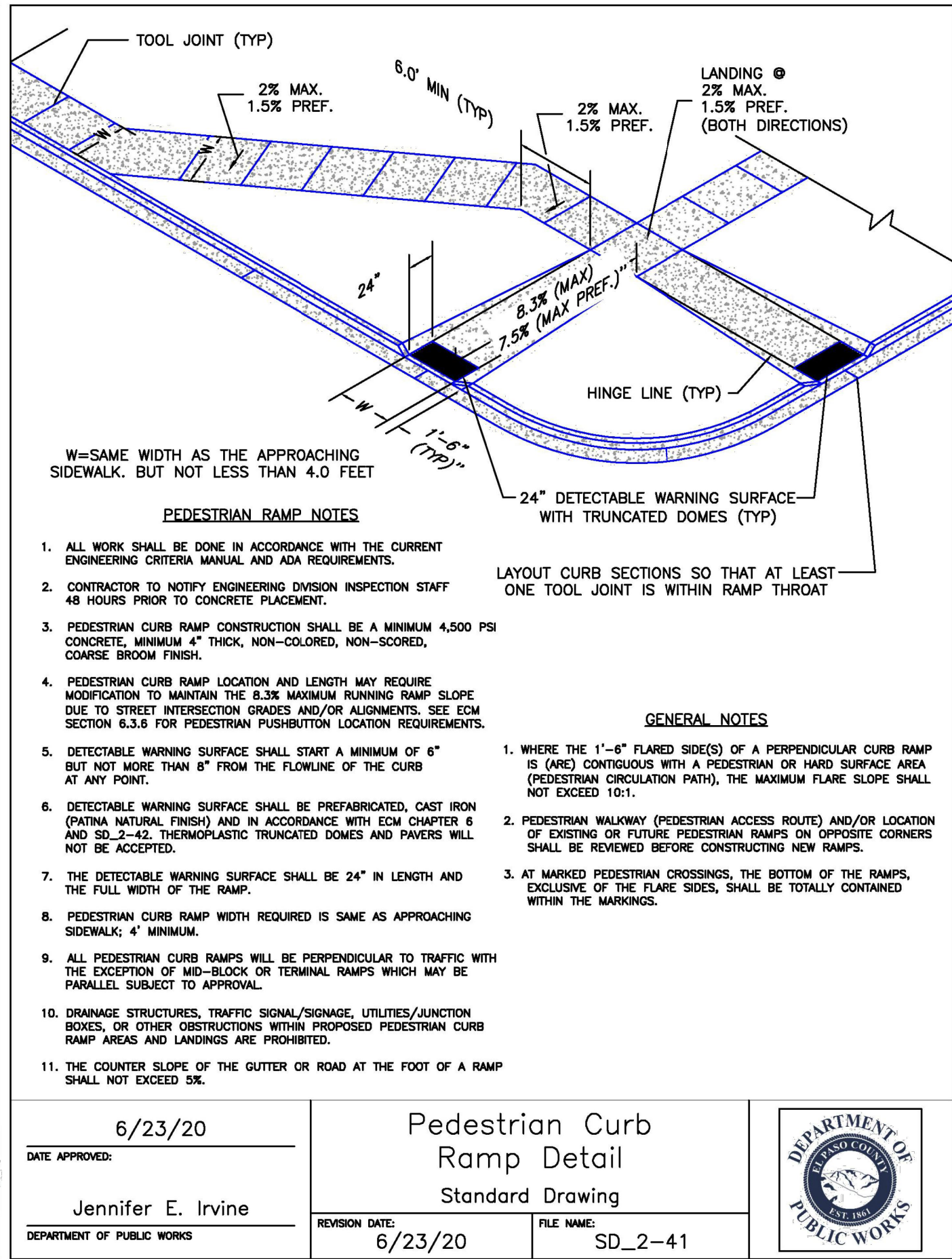
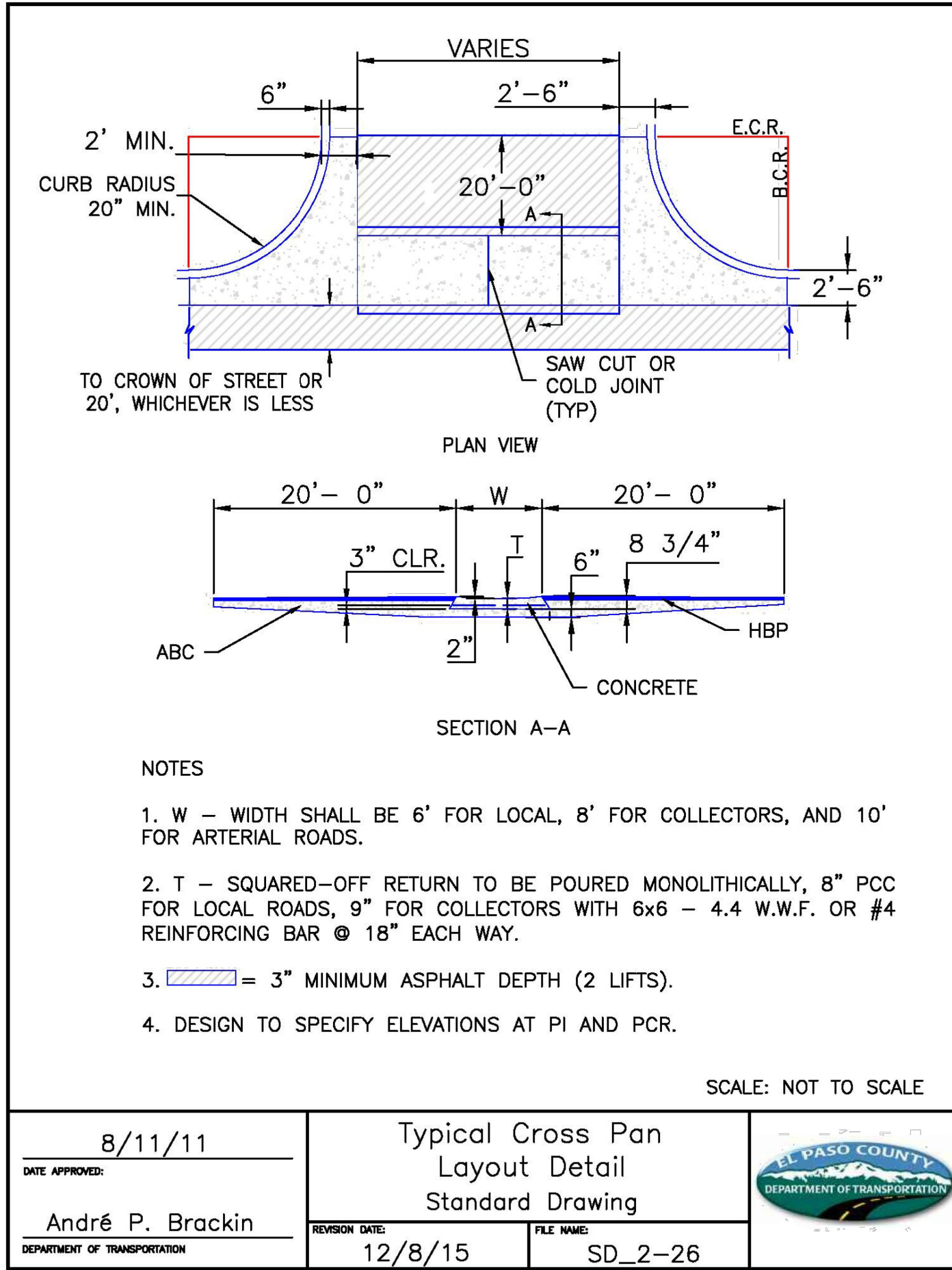
LEGEND

SURVEY NOTES:



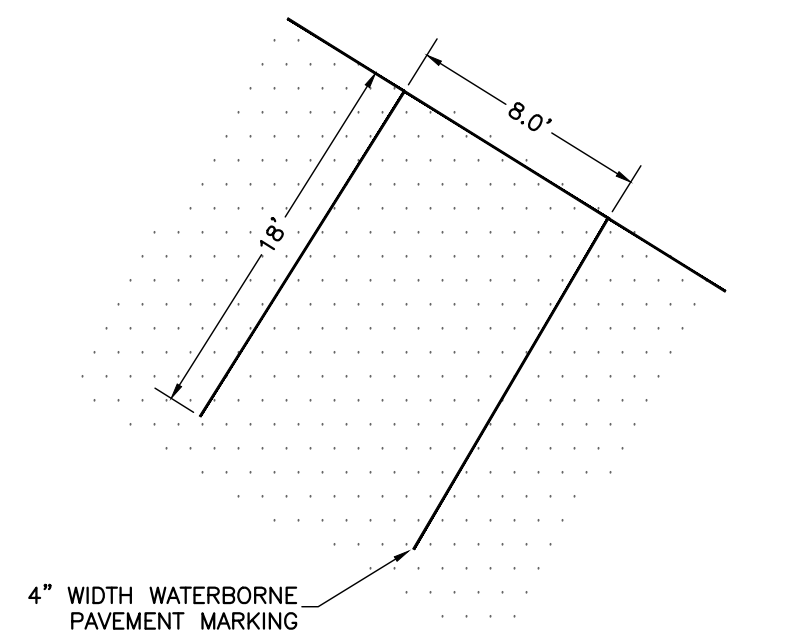
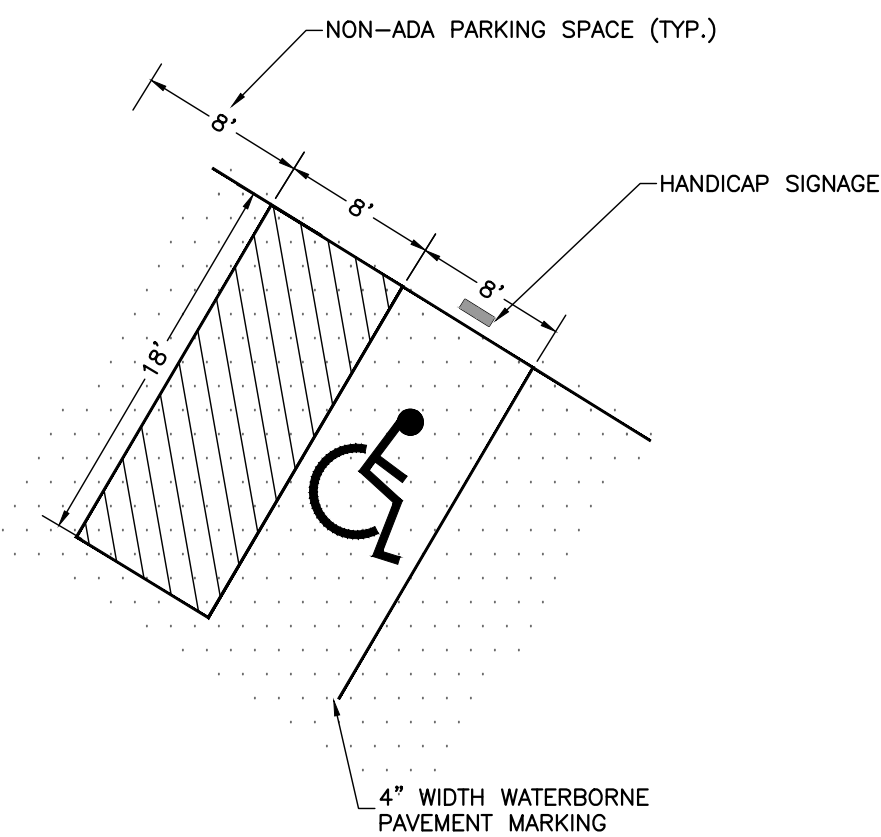
THE CONTRACTOR SHALL NOTIFY COLORADO SPRINGS UTILITIES' INSPECTIONS OFFICE 719-668-4658 A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

LAST SAVED: 10/13/2023 1:58:03 PM PATH: T:\Projects\Sites_Specific\2023\Colorado Commercial Construction, Inc.-12289905\Tower Ave-10726\Civil\Drawings\From RMG\Sheet Status\SDP101726_Ulthran Church-Site_Developing



*RECOMMENDED PAVEMENT SECTION FOR MODERATE TRAFFIC LOADING OF MIXED USE AND SOME TRUCKS, I.E. PARKING STALLS.

TYPICAL ASPHALT PAVEMENT SECTION



RMG

Engineers / Architects

Architectural Structural Geotechnical

Materials Testing Forensics Civil / Planning

FOUNDATION LUTHERAN CHURCH

TOWNERS AVE

FALCON, COLORADO

COLORADO COMMERCIAL CONSTRUCTION, INC.

19179 S. 10TH AVE. SUITE 100 DENVER, CO 80231

970.755.8500

PROJECT STATUS

SITE DEVELOPMENT PLAN

SHEET NAME

SITE DETAILS

ENG: DGW

DRAWN: AMH

CHECKED: TPT

DATE

10/13/2023

#

REVISION

DATE

JOB NO.

191726

SHEET NO.

C-104

PCD FILE NO. PPR2321

SITE CATEGORY CALCULATIONS

Landscape Setbacks

Street Name or Boundary	Street Classification	Width (in Ft) Req./Prov.	Linear Footage	Tree/Feet Required	No. of Trees Req. / Prov.	Setback Plant Abbr. Denoted on Plan
Londonderry Drive	Non-Arterial	15' / 22'	444'	1 / 15'	30 / 30	(LD)
Towner Avenue	Non-Arterial	10' / 20'	693'	1 / 30'	23 / 23	(TA)

Parking

No. of Vehicles Spaces Provided	Shade Trees Required/Provided	Abbr. on Plan	Vehicle Lot Frontages	Length of Frontage (excluding driveways)	2/3 Length of Frontage (ft.)
67	5 / 5	(MV)	Londonderry Drive Towner Avenue	180' 153'	120' 101'
Min. 3' Screening Plants Req. / Prov.	Evergreen Plants Req. (50%) / Prov.	Length of Screening Wall or Berm Provided	Vehicle Lot Plant Abbr. on Plan	Percent Ground Plane Veg. Req. / Prov.	
24 / 24 20 / 20	12 / 15 10 / 10	-	(LS) (TS)	75% / 75% 75% / 75%	

Internal Landscaping

Net Site Area (SF) (less public ROW)	Percent Minimum Internal Area (%)	Internal Area (SF) Required / Provided	Internal Trees (1/500 SF) Required / Provided
258,746 s.f.	5%	12,937 s.f. / 19,500 s.f.	26 / 4 (Request Alternative Landscape Plan)
Shrub Substitutes Required / Provided	Internal Plant Abbr. Denoted on Plan		
40 / 40	(IN)		

Landscape Buffer & Screens

Street Name or Property Line	Width (in Ft) Req. / Prov.	Linear Footage	Buffer Trees (1/25') Required / Provided	Evergreen Trees Req. (1/3) / Provided
West boundary	15' / 15'	532'	21 / 21	7 / 15
South boundary	15' / 15'	458'	18 / 18	6 / 12

Length of 6 Ft. Opaque Structure Req. / Prov.	Buffer Tree Abbr. Denoted on Plan	Percent Ground Plane Veg. Req. / Prov.
464' / 464' (existing fence)	(WB)	75% / 100%
458' / 458' (existing fence)	(SB)	75% / 100%

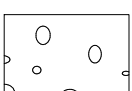
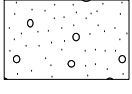


ALTERNATIVE LANDSCAPE PLAN REQUEST-

The internal trees and shrubs provided have been calculated and provided based on the developed site area. Since a majority of the site is not being developed it is requested that internal trees and shrubs not be required for the entire site. All other landscape requirements are being met.

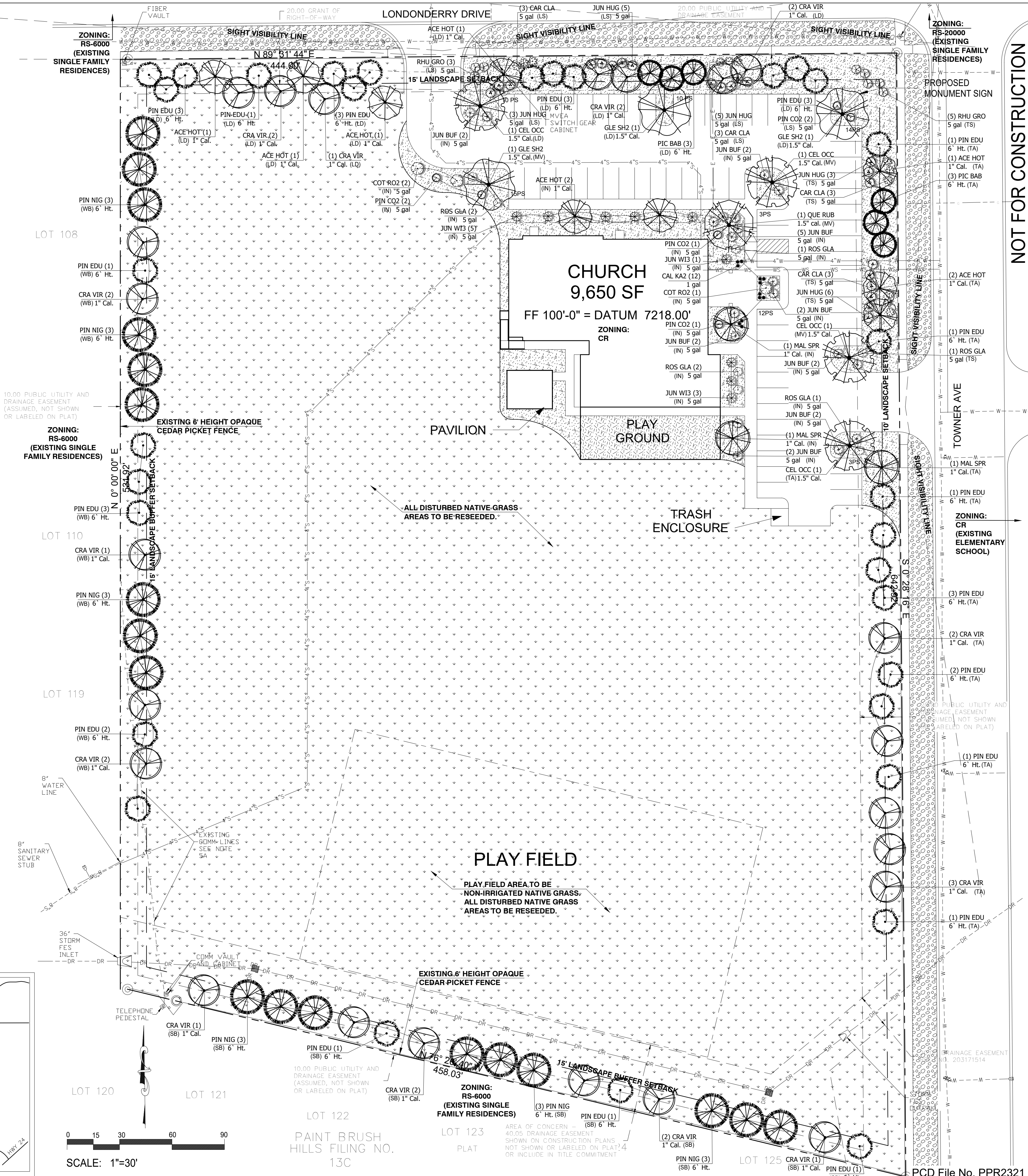
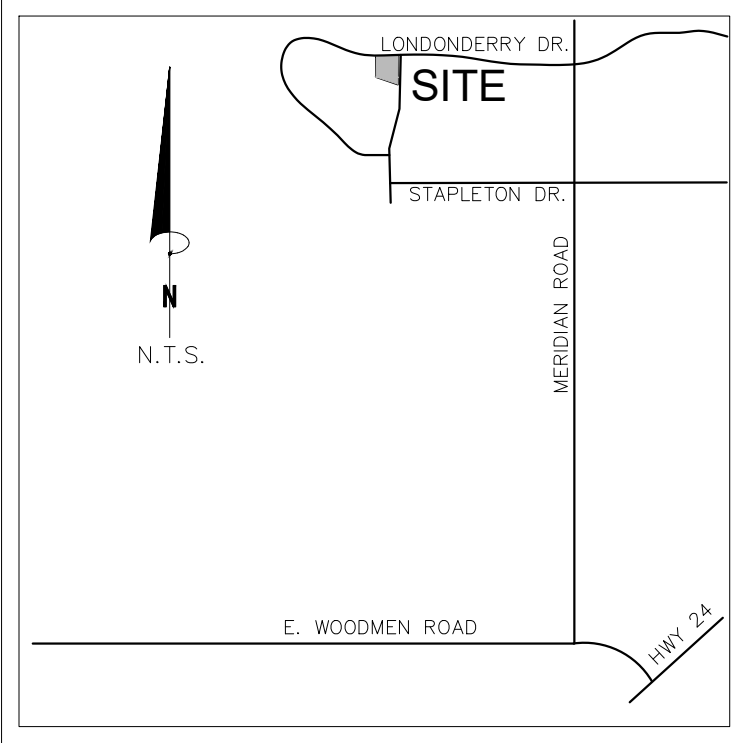
PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES	HEIGHT
	ACE HOT	9	Acer tataricum 'Hot Wings'	Hot Wings Tatarian Maple	1" Cal.	B & B	15' to 20'
	CEL OCC	4	Celtis occidentalis	Common Hackberry	1.5" Cal.	B & B	30' to 40'
	CRA VIR	23	Crataegus viridis 'Winter King'	Winter King Hawthorn	1" Cal.	B & B	15' to 20'
	GLE SH2	3	Gleditsia triacanthos inermis 'Shademaster' TM	Shademaster Locust	1.5" Cal.	B & B	30' to 40'
	MAL SPR	3	Malus x 'Spring Snow'	Spring Snow Crab Apple	1" Cal.	B & B	20' to 25'
	PIC BAB	6	Picea pungens glauca 'Baby Blue Eyes'	Baby Blue Eyes Spruce	6" Ht.	B & B	25' to 30'
	PIN EDU	32	Pinus cembroides edulis	Pinyon Pine	6" Ht.	B & B	15' to 20'
	PIN NIG	18	Pinus nigra	Austrian Black Pine	6" Ht.	B & B	30' to 40'
	QUE RUB	1	Quercus rubra	Northern Red Oak	1.5" cal.	B & B	30' to 40'
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES	HEIGHT
	CAR CLA	12	Caryopteris x clandonensis 'Blue Mist'	Blue Mist Spirea	5 gal		3' to 4'
	COT RO2	3	Cotinus coggygria 'Royal Purple'	Royal Purple Smoke Tree	5 gal		5' to 8'
	JUN HUG	22	Juniperus horizontalis 'Hughes'	Hughes Juniper	5 gal		1' to 2'
	JUN BUF	19	Juniperus sabina 'Buffalo'	Buffalo Juniper	5 gal		1' to 2'
	JUN W13	9	Juniperus scopulorum 'Wichita Blue'	Wichita Blue Juniper	5 gal		12' to 15'
	PIN CO2	6	Pinus mugo 'Compacta'	Dwarf Mugo Pine	5 gal		3' to 5'
	RHU GRO	8	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	5 gal		1' to 2'
	ROS GLA	7	Rosa glauca	Redleaf Rose	5 gal		4' to 5'
ORNAMENTAL GRASSES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES	HEIGHT
	CAL KA2	12	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	1 gal		3' to 4'

GROUND PLANE TREATMENT

SYMBOL	DESCRIPTION	QTY
	BLUE GRAY RIVER ROCK, 1.5" DIAMETER, 3" DEPTH OVER LANDSCAPE FABRIC	13,873 sf
	CLEAR CREEK GRANITE, 1.5" DIAMETER, 3" DEPTH OVER LANDSCAPE FABRIC	17,764 sf
	PLAYGROUND MULCH- 6" DEPTH	1,994 sf
	EXISTING NATIVE GRASS TO REMAIN. ALL DISTURBED NATIVE GRASS AREAS ARE TO BE RE-SEEDED.	202,469 sf

VICINITY MAP



NOT FOR CONSTRUCTION

JWLA

Jon Walsh.
LANDSCAPE ARCHITECT
LLC

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Palmer Lake, CO 80133
(719) 640-9428
jwlandarch@gmail.com
www.jwlandscapearchitect.com

PROJECT
FILE

fdnchurch-flp 8-22-23.dwg

FOUNDATION LUTHERAN CHURCH

9950 & 9960 Towner Avenue
Falcon, CO

FINAL LANDSCAPE PLAN

PROJECT NAME:

DATE: March 24, 2023

DATE: August 24, 2023

REVISIONS:

SHEET TITLE:

DATE:

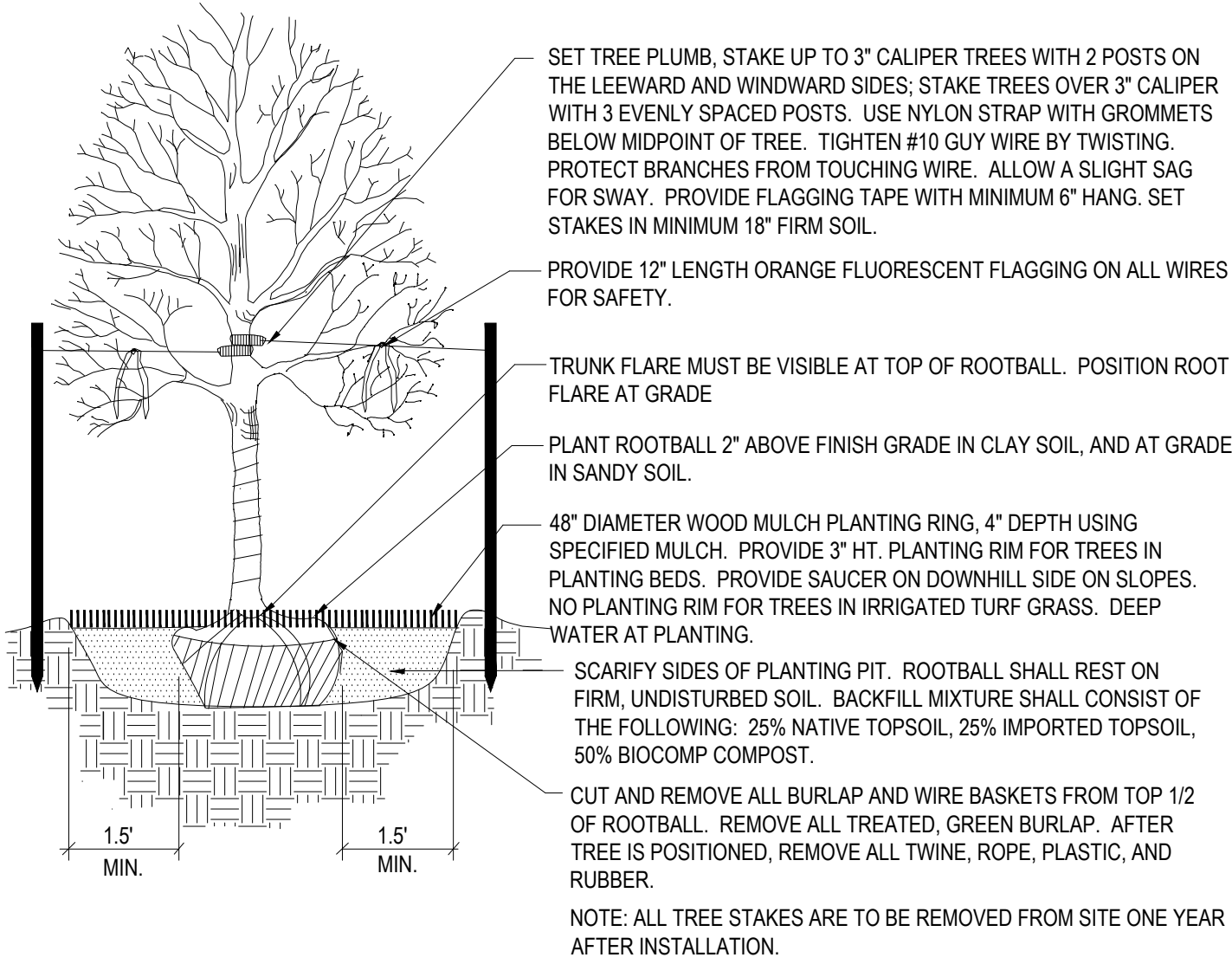
REVISIONS:

SHEET NO. L1

Sheet 1 of 2

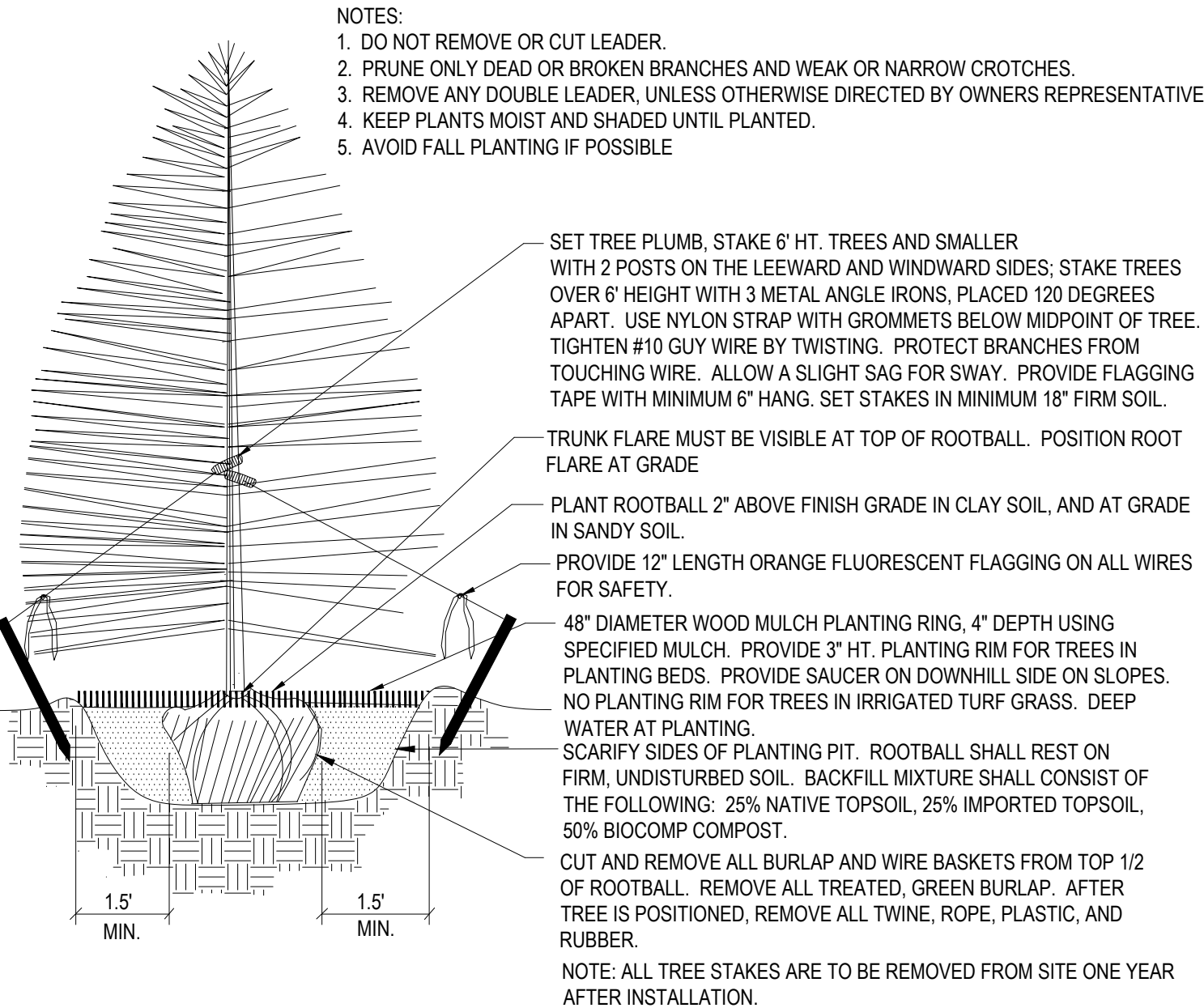
PLANTING DETAILS

- NOTES:
- DO NOT REMOVE OR CUT LEADER.
 - PRUNE ONLY DEAD OR BROKEN BRANCHES AND WEAK OR NARROW CROTCHES.
 - DO NOT REMOVE LOWER LIMBS AND SPROUTS FOR AT LEAST TWO GROWING SEASONS.
 - KEEP PLANTS MOIST AND SHADED UNTIL PLANTED.
 - DO NOT FERTILIZE FOR AT LEAST ONE GROWING SEASON.
 - WRAP TRUNK ON EXPOSED SITES OR SPECIES WITH THIN BARK. USE ELECTRICAL TAPE NOT TWINE. WRAP OCTOBER 15 AND REMOVE BY MARCH 31.



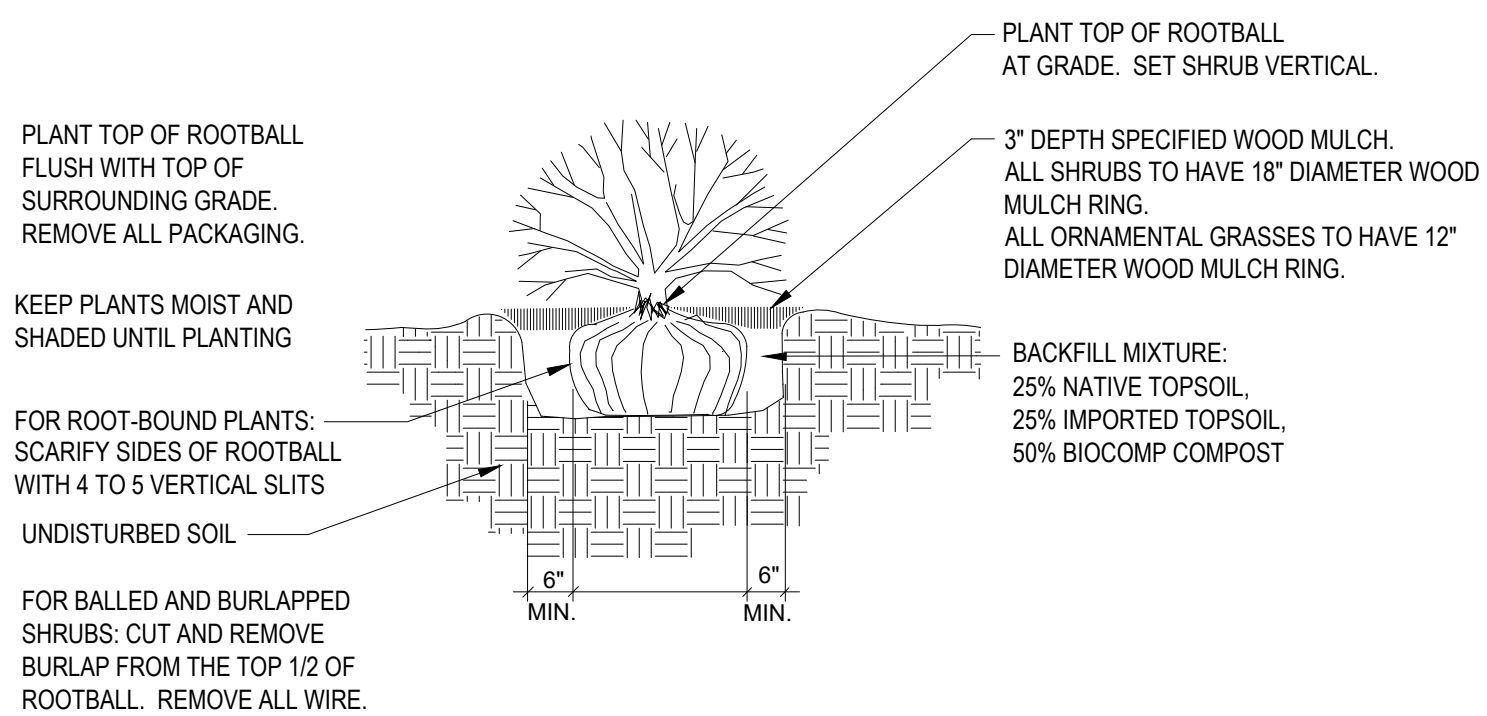
Deciduous Tree Planting Detail

NOT TO SCALE



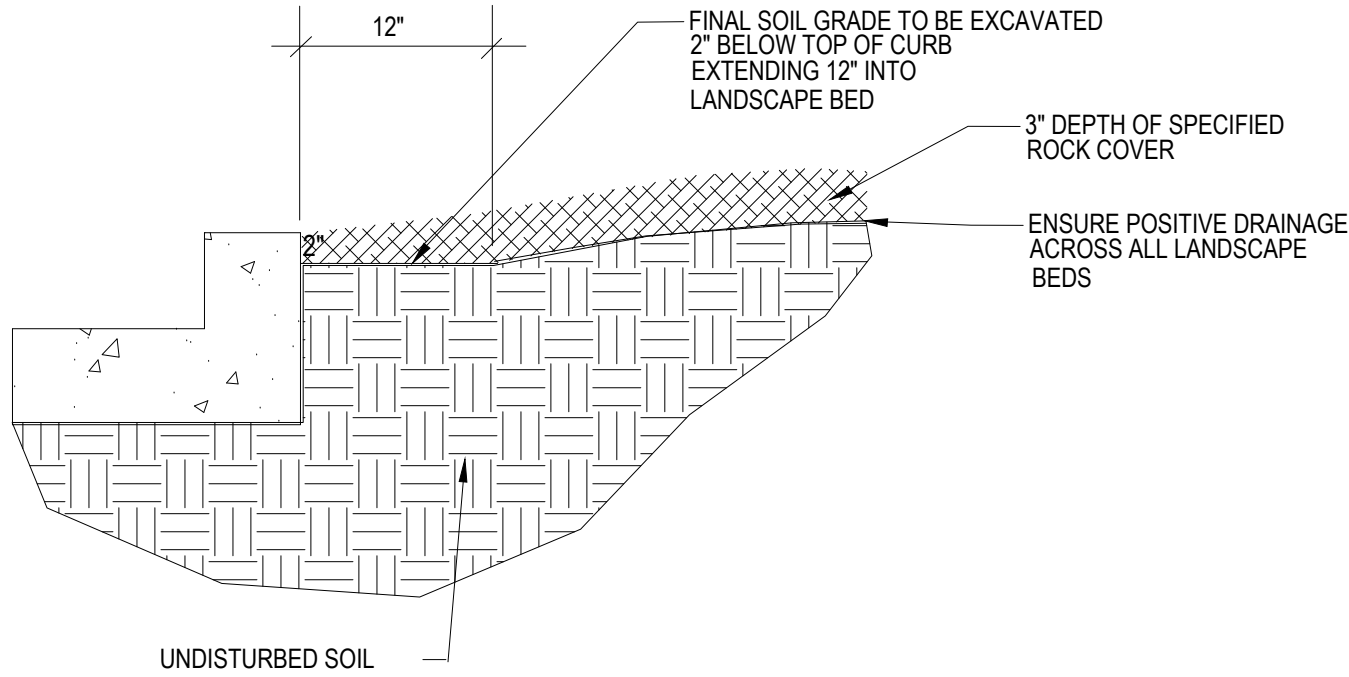
Coniferous Tree Planting Detail

NOT TO SCALE



Shrub Planting Detail

SCALE: NOT TO SCALE



Rock Cover / Mulch Bed Excavation

SCALE: NOT TO SCALE

EL PASO COUNTY ALL-PURPOSE MIX FOR UPLAND, TRANSITION AND PERMANENT CONTROL MEASURE AREAS

COMMON NAME	SCIENTIFIC NAME	GROWTH SEASON / FORM	% OF MIX	POUNDS PLS (PURE LIVE SEED)		
				-IRRIGATED BROADCAST -IRRIGATED HYDROSEEDED	-NON-IRRIGATED BROADCAST -NON-IRRIGATED HYDROSEEDED -IRRIGATED DRILLED	-NON-IRRIGATED DRILLED
BIG BLUESTEM	Buchloe dactyloides	WARM, SOD	20%	80 SEEDS/SQ. FT.	40 SEEDS/SQ. FT.	20 SEEDS/SQ. FT.
BLUE GRAMA	Bouteloua gracilis	WARM, BUNCH	10%	0.5	0.25	0.13
GREEN NEEDLEGRASS	Nassella viridula	COOL, BUNCH	10%	2	1	0.5
WESTERN WHEATGRASS	Pascopyrum smithii	COOL, SOD	20%	6.4	3.2	1.6
SIDE-OATS GRAMA	Bouteloua curtipendula	WARM, BUNCH	10%	2	1	0.5
SWITCHGRASS	Panicum virgatum	WARM, BUNCH/ SOD	10%	0.8	0.4	0.2
PRAIRIE SANDREED	Calamovilfa longifolia	WARM, BUNCH	10%	1.2	0.6	0.3
YELLOW INDIANGRASS	Sorghastrum nutans	WARM, SOD	10%	2	1	0.5
SEED RATE (LBS. PLS / ACRE)				19.3	9.7	4.8

NATIVE SEED ESTABLISHMENT

INITIAL PLANTING

STOCKPILED TOPSOIL SHOULD BE SPREAD EVENLY OVER ALL AREAS TO RECEIVE NATIVE SEED. SEED BED IS TO BE WEED-FREE. SPECIFIED SOIL AMENDMENTS SHOULD BE SPREAD AND INCORPORATED INTO TOP 6" OF SOIL. SEED BED IS TO BE RAKED SMOOTH AND FREE OF DEBRIS LARGER THAN 1" IN DIAMETER. ANY AREAS THAT THE CONTRACTOR BELIEVES TO BE SUSCEPTIBLE TO EROSION ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER AND/OR GENERAL CONTRACTOR PRIOR TO SEEDING. THE SPECIFIED SEED MIX IS TO BE APPLIED BY HYDRO-MULCH SEEDING AT THE RATE SPECIFIED. SEED IS TO BE APPLIED BETWEEN APRIL 15 AND SEPTEMBER 15. SEED SHALL NOT BE SOWN IF GROUND IS IN A FROZEN STATE. SPECIFIED EROSION CONTROL BLANKET IS TO BE INSTALLED IMMEDIATELY AFTER SEEDING. BLANKET SHALL BE LAID AND SECURED WITH 6" METAL STAPLES AS PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR IS TO PROVIDE INCIDENTAL WATERING OF ALL SEEDED AREAS THREE TIMES A WEEK DURING GROWING SEASON FOR A MINIMUM OF 8 WEEKS, OR UNTIL ESTABLISHED AND MEETING COVERAGE REQUIREMENTS. MOWING MAY BE NECESSARY DURING THE FIRST GROWING SEASON TO KEEP INVASIVE WEEDS FROM SETTING SEEDS. CONTRACTOR IS RESPONSIBLE FOR KEEPING BROADLEAF WEEDS UNDER CONTROL FOR 12 MONTHS AFTER INITIAL SEEDING AND IS ALSO RESPONSIBLE FOR OVER SEEDING BARE AREAS UNTIL SPECIFIED NATIVE GRASSES COVER ALL AREAS AND AREAS WITHOUT SPECIFIED NATIVE GRASS DO NOT EXCEED 6" X 6".

OVER SEEDING

SIX WEEKS AFTER THE INITIAL SEEDING DURING THE FIRST GROWING SEASON AND/OR DURING THE SPRING OF THE SECOND GROWING SEASON CONTRACTOR IS TO REPAIR ANY ERODED AREAS AND OVER SEED ALL BARE NATIVE GRASS AREAS. CONTRACTOR IS TO USE SPECIFIED SEED MIX BY BROADCAST AND RAKING INTO TOP ¼" TO ½" OF SOIL. INCIDENTAL WATERING IS TO BE PROVIDED TO ESTABLISH OVER-SEEDED AREAS. BROADLEAF WEEDS ARE TO BE KEPT UNDER CONTROL BY MANUALLY PULLING OR CUTTING WEEDS OR SPRAYING OF BROADLEAF WEED HERBICIDE. HERBICIDE AND APPLICATION SHALL CONFORM TO ALL APPLICABLE LAWS OF THE STATE OF COLORADO AND MANUFACTURERS INSTRUCTIONS.

GENERAL NOTES

- ALL REFERENCES TO 'CONTRACTOR' REFER TO LANDSCAPE CONTRACTOR, UNLESS OTHERWISE NOTED.
- CONTRACTOR IS RESPONSIBLE FOR GETTING ALL UTILITY LOCATES PRIOR TO STARTING ANY WORK ON SITE AND ALSO HAVING UTILITIES RELOCATED AS NECESSARY FOR THE DURATION OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL LANDSCAPE SHOWN ON THIS PLAN. ANY DEFICIENCIES OR DEVIATIONS FROM THIS PLAN ARE TO BE APPROVED BY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT. ANY CHANGES FROM THE APPROVED PLANS MAY REQUIRE APPROVAL FROM THE EL PASO COUNTY PLANNING DEPARTMENT AND MAY DELAY COMPLETION OF PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES OF MATERIALS NEEDED TO COMPLETE THIS PLAN IN THE FIELD. NOTIFY OWNER'S REPRESENTATIVE OF DISCREPANCIES BETWEEN THE DRAWINGS AND CONDITIONS IN THE FIELD. SUBSTITUTIONS OF LANDSCAPE MATERIALS ARE NOT ALLOWED WITHOUT APPROVAL FROM LANDSCAPE ARCHITECT GIVEN PRIOR TO INSTALLATION. NOTIFY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION IF LANDSCAPE MATERIAL LOCATIONS NEED TO BE ALTERED DUE TO ON-SITE CONDITIONS.
- CONTRACTOR IS TO PROVIDE A ONE YEAR WARRANTY ON ALL PLANT MATERIALS, IRRIGATION COMPONENTS, NATIVE GRASS, AND WORKMANSHIP. CONTRACTOR IS TO PROVIDE OWNER WITH WARRANTY CONDITIONS AND COMMENCE WARRANTY PERIOD UPON FINAL ACCEPTANCE OF LANDSCAPE INSTALLATION.
- THE OWNER OF THIS PROPERTY AND ANY FUTURE OWNERS SHALL BE RESPONSIBLE FOR THE PROPER LANDSCAPE AND IRRIGATION MAINTENANCE OF THIS SITE. MAINTENANCE OF THIS SITE INCLUDES, BUT IS NOT LIMITED TO, IRRIGATION INSPECTIONS AND ADJUSTMENTS, IRRIGATION SYSTEM SHUT DOWN AND START UP, IRRIGATION LEAK REPAIR, LANDSCAPE WEEDING, MOWING, SEEDING, FERTILIZATION, PRUNING, AND PLANT MATERIAL REPLACEMENT.

PROJECT NOTES

- FINE GRADING TO BE PERFORMED BY LANDSCAPE CONTRACTOR TO REFLECT FINISHED GRADES SHOWN ON THE PROJECT GRADING PLANS. ALL FINISHED GRADES ARE TO HAVE A MINIMUM 2% SLOPE. CONTRACTOR IS TO REPORT POOR DRAINAGE CONDITIONS OR ANY GRADES IN LANDSCAPE AREAS LESS THAN 2% TO GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT PRIOR TO LANDSCAPE CONSTRUCTION WORK.
- CONTRACTOR IS TO PROVIDE FINAL GRADES ADJACENT TO HARDSCAPE SURFACES AT THE FOLLOWING SPECIFICATIONS:
 - 2" BELOW TOP OF CONCRETE OR ASPHALT FOR ALL ROCK COVER BEDS.
 - 1" BELOW TOP OF CONCRETE OR ASPHALT FOR NATIVE SEED AREAS.CONTRACTOR IS TO COORDINATE THESE GRADING SPECIFICATIONS WITH GENERAL CONTRACTOR AND/OR WHOEVER IS PROVIDING ROUGH GRADING. FINAL GRADES IN ALL LANDSCAPE AREAS ARE TO BE ESTABLISHED USING ON-SITE STOCKPILED TOPSOIL.
- ALL DISTURBED NATIVE GRASS AREAS ARE TO BE SEEDED WITH SPECIFIED SEED MIX BY HYDRO-MULCHING OR DRILL SEEDING (WHERE ACCESSIBLE) AT SEEDING RATE SHOWN IN TABLE. REFER TO NATIVE SEED ESTABLISHMENT SPECIFICATION AND SEED MIX TABLE FOR MORE DETAILED INSTRUCTIONS.
- ROCK COVER AREAS INSIDE PROPERTY BOUNDARIES TO CONSIST OF 1.5" 'CLEAR CREEK GRANITE' CRUSHED GRANITE (C&C SAND), SPREAD 3" DEPTH OVER LANDSCAPE FABRIC. RIGHT OF WAY AREAS TO CONSIST OF 1.5" BLUE GRAY RIVER ROCK, SPREAD 3" DEPTH OVER LANDSCAPE FABRIC. LANDSCAPE FABRIC TO CONSIST OF A WOVEN FIBER FABRIC (MIRAFI OR EQUAL). FABRIC TO OVERLAP 6" MINIMUM AT ALL SEAMS. 6" STEEL ANCHOR PINS TO BE INSTALLED 8' O.C. MAX.
- 'CASCADE CEDAR' (C&C SAND) WOOD MULCH IS TO BE PROVIDED AROUND THE BASE OF ALL PLANTINGS, 3" DEPTH (NO FABRIC BENEATH). REFER TO PLANTING DETAILS.
- STEEL EDGING IS TO CONSIST OF 14 GAUGE PERFORATED GALVANIZED ROLLED-TOP STEEL EDGING. EDGING IS TO BE USED TO SEPARATE GRASS AND ROCK COVER AREAS, UNLESS OTHERWISE NOTED ON PLAN. EDGING IS TO BE PARTIALLY BURIED SO THAT HALF OF EDGING HEIGHT IS BELOW FINISHED SOIL GRADE. 12" STEEL EDGING PINS TO BE INSTALLED EVERY 4' O.C. MAX.. ENDS OF STEEL EDGING TO OVERLAP 6" MINIMUM WITH AND HAVE TWO PINS SECURING OVERLAPPED ENDS.

SOIL PREPARATION NOTES

- NATIVE GRASS AREAS:** ALL DISTURBED NATIVE GRASS AREAS TO RECEIVE 2 CU. YDS. PER 1,000 SQ. FT. OF 'BIOCOMP' SOIL AMENDMENTS (C&C SAND) INCORPORATED INTO EXISTING SOIL AND ROTO-TILLED TO A 6" DEPTH.
- PROPOSED TREES AND SHRUBS:** ALL PROPOSED TREES ARE TO BE BACKFILLED WITH A MIXTURE OF 'BIOCOMP' SOIL AMENDMENT AND IMPORTED GRADE A TOPSOIL (C&C SAND). REFER TO PLANTING DETAIL.

IRRIGATION NOTES

- ALL PROPOSED PLANT MATERIALS ARE TO BE WATERED BY A PROPOSED PERMANENT AUTOMATIC DRIP IRRIGATION SYSTEM. ALL SHRUBS TO HAVE (2) 1 GPH EMITTERS PLACED AT EDGE OF ROOTBALL ON OPPOSITE SIDES. ALL TREES TO HAVE (4) 1 GPH EMITTERS PLACED 90 DEGREES APART AROUND EDGE OF ROOTBALL.
- ALL SEEDED NATIVE GRASS AREAS TO BE ESTABLISHED BY A TEMPORARY SPRAY IRRIGATION ZONES CONNECTED TO THE AUTOMATIC IRRIGATION SYSTEM OR WITH PORTABLE SPRINKLER HEADS AND HOSES CONNECTED TO IRRIGATION SYSTEM QUICK COUPLERS AND/OR BUILDING HOSE BIBS.

GRADING / DRAINAGE NOTES

- LANDSCAPE CONTRACTOR IS TO VERIFY THAT ALL FINISHED GRADES COMPLY WITH GRADING PLAN PREPARED BY CIVIL ENGINEER. VERIFY THAT ALL SLOPES DRAIN AWAY FROM BUILDING(S) AND THAT DRAINAGE SWALES ARE CORRECTLY LOCATED AND CARRY WATER AS INTENDED. NOTIFY GENERAL CONTRACTOR PRIOR TO CONSTRUCTION IF STANDING WATER IS PRESENT (OTHER THAN DETENTION FACILITIES) OR IF SLOPES ARE NOT GRADED AS PER APPROVED GRADING PLAN.
- LANDSCAPE CONTRACTOR IS TO LOCATE ALL DOWNSPOUTS AND DOWNSPOUT EXTENSIONS AND VERIFY THAT NO OBSTRUCTIONS ARE IMPEDING THE FLOW OF WATER AWAY FROM THE BUILDING. REMOVE SMALL SECTIONS OF STEEL EDGING WHEREVER DRAINAGE WILL NOT FREELY FLOW THROUGH EDGING.
- LANDSCAPE CONTRACTOR IS TO PROVIDE TEMPORARY EROSION MITIGATION MEASURES FOR THE DURATION OF LANDSCAPE CONSTRUCTION. THIS INCLUDES PLACEMENT OF WATTLES AND/OR EROSION BLANKET WHEREVER DRAINAGE ERODES BARE SOIL AND RUNOFF CAN POTENTIALLY DAMAGE NEIGHBORING PROPERTIES OR SEDIMENT COULD POTENTIALLY FLOW OUTSIDE OF PROPERTY LINES.

NOT FOR CONSTRUCTION

JWLA

Jon Walsh.

LANDSCAPE ARCHITECT

LLC

P.O. Box 354

Palmer Lake, CO 80133

(719) 640-9428

jwlandarch@gmail.com

www.jwlandscapearchitect.com

PROJECT FILE: fdnchurch-flp 8-22-23.dwg

FOUNDATION LUTHERAN CHURCH

9950 & 9960 Townner Avenue

Falcon, CO

PROJECT NAME:

FINAL LANDSCAPE PLAN

SHEET TITLE:

DATE: March 24, 2023

August 24, 2023

REVISIONS:

STAMP:

SHEET NO.

L2

Sheet 2 of 2

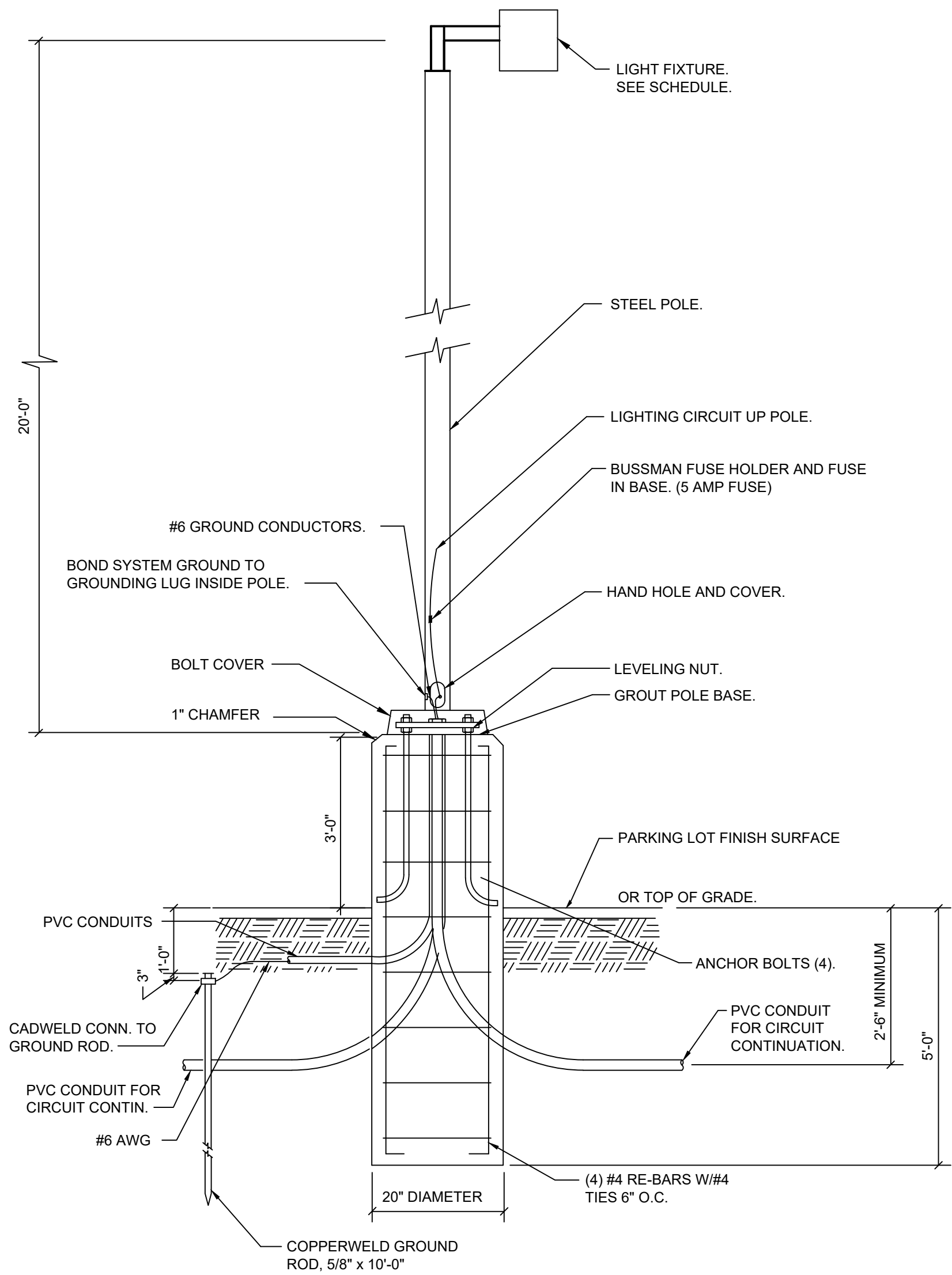
MARK	MANUFACTURER	MODEL	LAMPS PER FIXTURE			MOUNTING	DESCRIPTION	VOLTAGE	TOTAL WATTS PER FIXTURE	QUANTITY OF EACH FIXTURE IN PROJECT
			QTY.	WATT	TYPE					
P1	LITHONIA	DSX1 LED P4 30K 80CRI T4M	2	124	LED	POLE MOUNT @ 20'	(2) AREA SITE POLE LIGHT @ 90'	120/277	248	1
P2	LITHONIA	DSX1 LED P4 30K 80CRI T4M	1	124	LED	POLE MOUNT @ 20'	AREA SITE POLE LIGHT	120/277	124	4
WP1	LITHONIA	WDGE2 LED P2 40K 80CRI T3M	1	19	LED	WALL MOUNT	ARCHITECTURAL WALLPACK	120/277	19	7
WP2	LITHONIA	WDGE3 LED P4 40K 80CRI R3	1	88	LED	WALL MOUNT	ARCHITECTURAL WALLPACK	120/277	88	2

NOTES:

1) PROVIDE EMERGENCY BACKUP BATTERY.

2) CONFIRM ALL LIGHT FIXTURE SELECTIONS WITH TENANT PRIOR TO ORDERING. THIS INCLUDES COLORS, COLOR TEMPERATURES, MANUFACTURER, ETC.

CALCULATION ZONE STATISTICS						
DESCRIPTION	SYMBOL (fc)	AVERAGE (fc)	MAXIMUM (fc)	MINIMUM (fc)	MAX./MIN. (fc)	AVG./MIN. (fc)
PARKING LOT	+	2.2	6.0	0.5	12.0:1	4.4:1



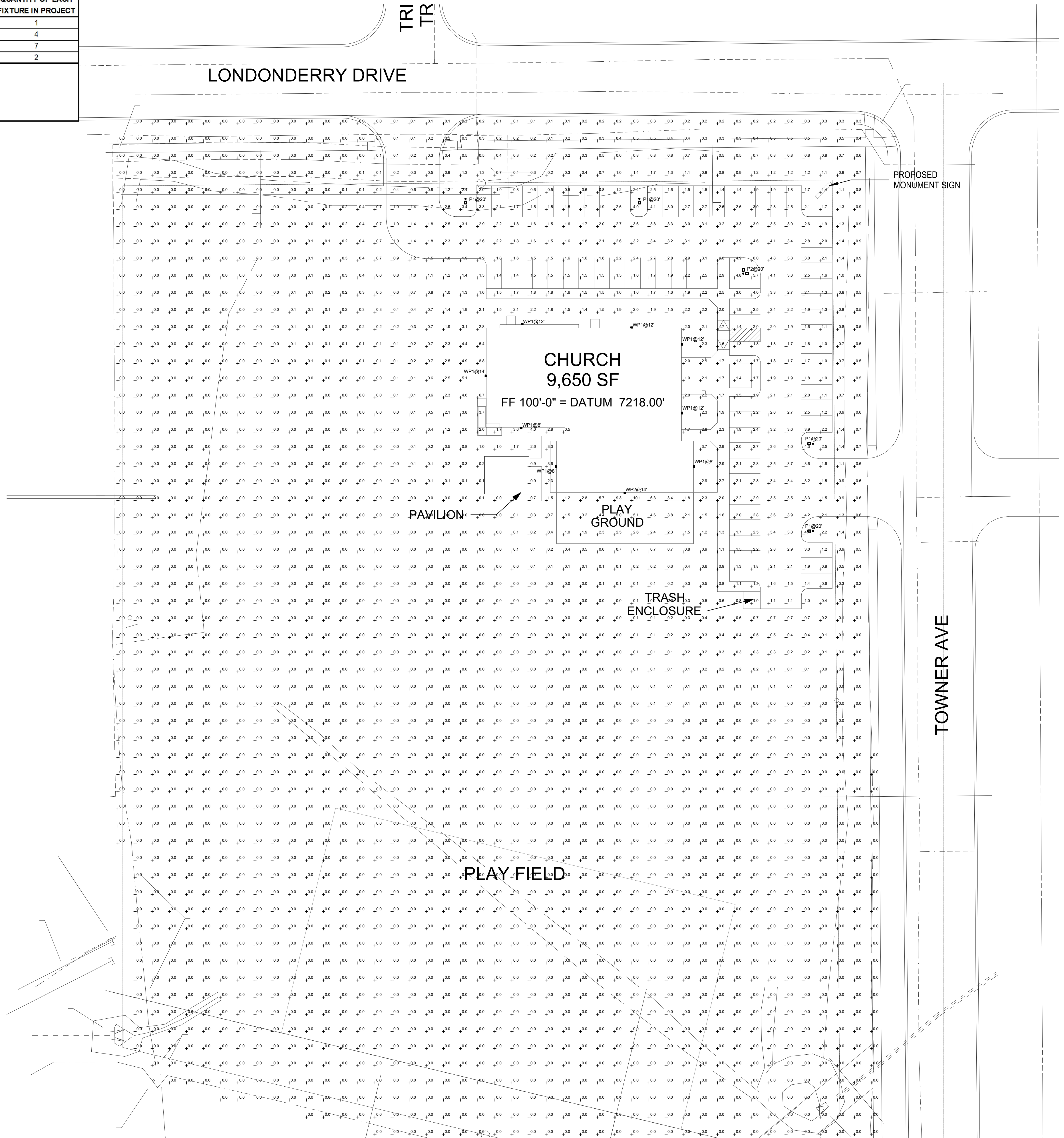
5 ELECTRICAL POLE DETAIL
SP1 SCALE: NONE

4	WDGE3 WALLPACK LUMINAIRE (WP2)
SP1	SCALE: NONE

3	WDGE2 WALLPACK LUMINAIRE (WP1)
SP1	SCALE: NONE

2	DSX1 AREA POLE LIGHT (P1 & P2)
SP1	SCALE: NONE

1 SITE PHOTOMETRIC PLAN
SP1 SCALE: 1/32"=1'-0"

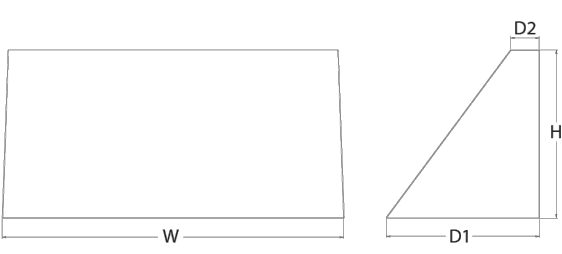


WDGE3 LED Architectural Wall Sconce



Specifications

Depth (D1): 8"
Depth (D2): 1.5"
Height: 9"
Width: 18"
Weight: 19.5 lbs (without options)



Catalog Number
Type
100

Introduction
 The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.
 WDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	P1	P2	P3	P4	P5	P6
WDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WDGE2 LED	10W	18W	Standalone / night	1,200	2,000	3,000	4,500	6,000	--
WDGE3 LED	15W	18W	Standalone / night	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	--	--	Standalone / night	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	Shipped separately
WDGE3 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	70CRI 80CRI	R2 Type 2 R3 Type 3 R4 Type 4 RFT Forward Throw	120VLT 347V 480V	SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry) PBW Pole mounted back box (dry)	AWS 3/8" Arch Structural wall spacer PBW Surface-mounted back box (dry, left, right, central entry, use when there is no junction box available)

Options	Finish
E1SWH Emergency battery backup, Certified in CA Title 20 MABES (10W, 5°C min)	D0BD Dark bronze
E2DWC Emergency battery backup, Certified in CA Title 20 MABES (10W, 5°C min)	D0BL Black
PE Photocell, Button Type	D0ND Natural aluminum
DMG 3 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	D0WD White
RCE Bottom central entry for back box (PBW), Total of 4 entry points.	D0SD Sandstone
SP10KV 10KV Surge pack	D0TD Textured dark bronze
BAA Buy America's Act Compliant	D0ND Natural aluminum
	D0WD White
	D0SD Sandstone
	D0TD Textured dark bronze

Accessories	Notes
WDGEWS DDBD WDGE3 Wireless Ambient Sensor (specify finish)	1 347V and 480V not available with E1SWH and E2DWC.
WDGE3PBW DDBD WDGE3 surface-mounted back box (specify finish)	2 PE not available in 480V and with sensor/controls
	3 DMG option not available with sensor/controls
	4 Not qualified for DLC. Not available with emergency battery backup or sensors/controls

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	50K (3000K, 70 CRI)					40K (4000K, 70 CRI)					30K (3000K, 70 CRI)				
			Lumens	[LPW]	R	G	B	Lumens	[LPW]	R	G	B	Lumens	[LPW]	R	G	B
P1	52W	R2	7,837	136	1	0	1	7,649	148	2	0	1	7,649	148	2	0	1
		R3	6,922	134	1	0	2	7,524	145	1	0	2	7,524	145	1	0	2
		R4	7,133	138	1	0	2	7,753	150	1	0	2	7,753	150	1	0	2
		RFT	6,985	135	1	0	2	7,592	147	1	0	2	7,592	147	1	0	2
P2	59W	R2	7,968	135	2	0	1	8,661	147	2	0	1	8,661	147	2	0	1
		R3	7,838	133	1	0	2	8,519	144	1	0	2	8,519	144	1	0	2
		R4	8,077	137	1	0	2	8,779	149	1	0	2	8,779	149	1	0	2
		RFT	7,909	134	1	0	2	8,597	146	2	0	2	8,597	146	2	0	2
P3	71W	R2	9,404	132	2	0	1	10,221	143	2	0	1	10,221	143	2	0	1
		R3	9,250	130	2	0	2	10,054	141	2	0	2	10,054	141	2	0	2
		R4	9,532	134	2	0	2	10,361	145	2	0	2	10,361	145	2	0	2
		RFT	9,334	131	2	0	2	10,146	142	2	0	2	10,146	142	2	0	2
P4	88W	R2	11,380	129	2	0	1	12,369	140	2	0	1	12,369	140	2	0	1
		R3	11,194	127	2	0	2	12,167	138	2	0	2	12,167	138	2	0	2
		R4	11,535	131	2	0	2	12,538	142	2	0	2	12,538	142	2	0	2
		RFT	11,295	128	2	0	2	12,277	139	2	0	2	12,277	139	2	0	2

Electrical Load

Performance Package	System Watts	320V	208V	200V	220V	240V	480V
P1	52W	0.437	0.246	0.213	0.186	0.150	0.110
P2	59W	0.498	0.287	0.251	0.220	0.175	0.136
P3	71W	0.598	0.344	0.300	0.262	0.210	0.162
P4	88W	0.727	0.424	0.373	0.333	0.260	0.190

Lumen Output in Emergency Mode (4000K, 70 CRI)

Option	Dist. Type	Lumens
E1SWH	R2	3,185
	R3	3,133
	R4	3,229
	RFT	3,162
E2DWC	R2	3,669
	R3	3,609
	R4	3,719
	RFT	3,642

Lumen Multiplier for 80CRI

CR	Multiplier
30K	0.891
40K	0.906
50K	0.906

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.05
10°C	50°F	1.03
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the anticipated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (based per IESNA LM-80-08 and projected per IESNA TM-21-11).

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.98	>0.97	>0.92

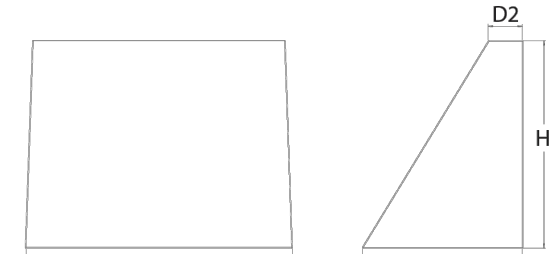
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WDGE2 LED Architectural Wall Sconce Precision Refractive Optic



Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: 13.5 lbs (without options)



Catalog Number
Type
100

Introduction
 The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.
 WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W	--	--	750	1,200	2,000	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / night	--	1,200	2,000	3,000	4,500	6,000
WDGE2 LED	Precision Refractive	10W	18W	Standalone / night	700	1,200	2,000	3,200	4,200	--
WDGE2 LED	Precision Refractive	15W	18W	Standalone / night	--	7,500	8,500	10,000	12,000	--
WDGE4 LED	Precision Refractive	--	--	Standalone / night	--	12,000	16,000	18,000	20,000	25,000

Ordering Information

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	Shipped separately
WDGE2 LED	P0 ¹ P1 ¹ P2 ¹ P3 ¹ P4 ¹	27K 2700K 30K 3000K 40K 4000K 50K 5000K AMB ² Amber	70CRI ³ 80CRI ³ LW Limited Wavelength	T1S Type I Short T2M Type II Medium T3M Type III Medium T4M Type IV Medium T5TM Forward Throw Medium	120VLT 347V ⁴ 480V ⁴	SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry) PBW Pole mounted back box (dry, left, right, central entry, use when there is no junction box available)	AWS 3/8" Arch Structural wall spacer PBW Surface-mounted back box (dry, left, right, central entry, use when there is no junction box available)

Options	Finish
E1SWH Emergency battery backup, Certified in CA Title 20 MABES (10W, 5°C min)	D0BD Dark bronze
E2DWC Emergency battery backup, Certified in CA Title 20 MABES (10W, 5°C min)	D0BL Black
PE Photocell, Button Type	D0ND Natural aluminum
DMG 3 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	D0WD White
RCE Bottom central entry for back box (PBW), Total of 4 entry points.	D0SD Sandstone
BAA Buy America's Act Compliant	D0TD Textured dark bronze
	D0ND Natural aluminum
	D0WD White
	D0SD Sandstone
	D0TD Textured dark bronze

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Accessories

WDGEWS DDBD WDGE2 Wireless Ambient Sensor (specify finish)
 WDGE3PBW DDBD WDGE2 surface-mounted back box (specify finish)

- NOTES**
 1 P0 option not available with sensor/controls.
 2 P1-P4 not available with AMB and LW.
 3 AMB and LW always go together.
 4 70CRI only available with T3M and T4M.
 5 347V and 480V not available with E1SWH or E2DWC.
 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
 7 PE not available in 480V and with sensor/controls.
 8 DMG option not available with sensor/controls.

Performance Data

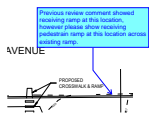
Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)								30K (3000K, 80 CRI)								40K (4000K, 80 CRI)								50K (5000K, 80 CRI)								Author (Limited Wavelength)							
			Lumens	LPW	R	G	B	U	W	U	Lumens	LPW	R	G	B	U	W	U	Lumens	LPW	R	G	B	U	W	U	Lumens	LPW	R	G	B	U	W	U								
P0	7W	T1S	606	92	0	0	0	0	666	97	0	0	0	0	699	101	0	0	0	691	100	0	0	0	0	719	104	0	0	0	0	712	47	0	0	0	1					
		T3M	602	96	0	0	0	0	685	101	0	0	0	0	728	106	0	0	0	728	106	0	0	0	0	779	104	0	0	0	0	741	48	0	0	0	0					
		T4M	602	96	0	0	0	0	679	98	0	0	0	0	713	101	0	0	0	704	100	0	0	0	0	754	102	0	0	0	0	726	47	0	0	0	0					
		T5TM	602	95	0	0	0	0	684	98	0	0	0	0	717	104	0	0	0	708	103	0	0	0	0	758	105	0	0	0	0	730	48	0	0	0	0					
P1	11W	T1S	1,105	99	0	0	0	0	1,157	104	0	0	0	0	1,225	109	0	0	0	1,225	109	0	0	0	0	1,280	112	0	0	0	0	1,280	112	0	0	0	0					
		T3M	1,150	103	0	0	0	0	1,204	108	0	0	0	0	1,264	113	0	0	0	1,264	113	0	0	0	0	1,290	114	0	0	0	0	1,290	114	0	0	0	0					
		T4M	1,150	103	0	0	0	0	1,200	108	0	0	0	0	1,260	113	0	0	0	1,260	113	0	0	0	0	1,290	114	0	0	0	0	1,290	114	0	0	0	0					
		T5TM	1,150	103	0	0	0	0	1,179	106	0	0	0	0	1,245	112	0	0	0	1,245	112	0	0	0	0	1,290	114	0	0	0	0	1,290	114	0	0	0	0					
P2	19W	T1S	1,133	101	0	0	0	0	1,186	106	0	0	0	0	1,245	112	0	0	0	1,245	112	0	0	0	0	1,290	114	0	0	0	0	1,290	114	0	0	0	0					
		T3M	1,133	101	0	0	0	0	1,186	106	0	0	0	0	1,245	112	0	0	0	1,245	112	0	0	0	0	1,290	114	0	0	0	0	1,290	114	0	0	0	0					
		T4M	1,133	101	0	0	0	0	1,186	106	0	0	0	0	1,245	112	0	0	0	1,245	112	0	0	0	0	1,290	114	0	0	0	0	1,290	114	0	0	0	0					
		T5TM	1,133	101	0	0	0	0	1,186	106	0	0	0	0	1,245	112	0	0	0	1,245	112	0	0	0	0	1,290	114	0	0	0	0	1,290	114	0	0	0	0					
P3	32W	T1S	1,801	95	1	0	0	0	1,861	101	1	0	0	0	1,967	103	1	0	0	1,967	103	1	0	0	0	2,037	107	1	0	0	0	2,037	107	1	0	0	0					
		T3M	1,875	99	1	0	0	0	1,963	103	1	0	0	0	2,061	109	1	0	0	2,061	109	1	0	0	0	2,138	111	1	0	0	0	2,138	111	1	0	0	0					
		T4M	1,875	99	1	0	0	0	1,963	103	1	0	0	0	2,061	109	1	0	0	2,061	109	1	0	0	0	2,138	111	1	0	0	0	2,138	111	1	0	0	0					
		T5TM	1,875	99	1	0	0	0	1,963	103	1	0	0	0	2,061	109	1	0	0	2,061	109	1	0	0	0	2,138	111	1	0	0	0	2,138	111	1	0	0	0					
P4	47W	T1S	2,891	97	1	0	0	0	3,063	99	1	0	0	0	3,276	101	1	0	0	3,276	101	1	0	0	0	3,491	103	1	0	0	0	3,491	103	1	0	0	0					
		T3M	2,891	97	1	0	0	0	3,063	99	1	0	0	0	3,276	101	1	0	0	3,276	101	1	0	0	0	3,491	103	1	0	0	0	3,491	103	1	0	0	0					
		T4M	2,891	97	1	0	0	0	3,063	99	1	0	0	0	3,276	101	1	0	0	3,276	101	1	0	0	0	3,491	103	1	0	0	0	3,491	103	1	0	0	0					
		T5TM	2,891	95	1	0	0	0	3,113	94	1	0	0	0	3,156	99	1	0	0	3,156	99	1	0	0	0	3,328	97	1	0	0	0	3,328	97	1	0	0	0					
P5	52W	T1S	3,229	88	1	0	0	0	3,406	94	1	0	0	0	3,621	96	1	0	0	3,621	96	1	0	0	0	3,836	98	1	0	0	0	3,836	98	1	0	0	0					
		T3M	3,281	83	1	0	0	0	3,475	87	1	0	0	0	3,620	92	1	0	0	3,620	92	1	0	0	0	3,836	98	1	0	0	0	3,836	98	1	0	0	0					
		T4M	3,281	83	1	0	0	0	3,475	87	1	0	0	0	3,620	92	1	0	0	3,620	92	1	0	0	0	3,836	98	1	0	0	0	3,836	98	1	0	0	0					
		T5TM	3,281	83	1	0	0	0	3,475	87	1	0	0	0	3,620	92	1	0	0	3,620	92	1	0	0	0	3,836	98	1	0	0	0	3,836	98	1	0	0	0					

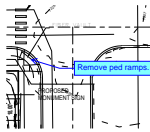
V2_Site Development Plan Comments.pdf Markup Summary

Carlos (10)



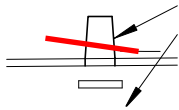
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Previous review comment showed receiving ramp at this location, however please show receiving pedestrian ramp at this location across existing ramp.

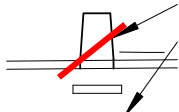


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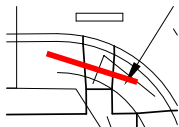
Remove ped ramps.



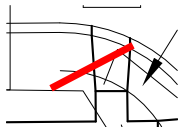
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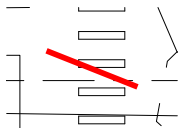
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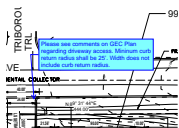
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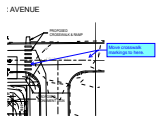


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Please see comments on GEC Plan regarding driveway access. Minimum curb return radius shall be 25'. Width does not include curb return radius.



Subject: Callout

Page Label: 2

Author: Carlos

Date: 10/31/2023 3:07:56 PM

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Move crosswalk markings to here.