

*CIVIL IMPROVEMENT PLANS*  
*VICTORIAN SQUARE INFRASTRUCTURE*  
*IMPROVEMENT PROJECT – SECTION 5B*  
*PWP #WA-2026-097*  
*BID #25/26-003*  
*SPARKS, NEVADA*

*LIS*

*A.C.* .....  
*B.C.* .....  
*B.V.C.* .....  
*B.S.* .....  
*C.B.* .....  
*C.* .....  
*C.H.* .....  
*C.M.P.* .....  
*CONC.* .....

A.C.	ASPHALTIC CONCRETE	L.F.	LINEAL FEET
B.C.	BEGIN CURVE	M.H.	MANHOLE
B.V.C.	BEGIN VERTICAL CURVE	P.	PAD ELEVATION
B.S.	BACK OF SIDEWALK	P.I.	POINT OF INTERSECTION
C.B.	CATCH BASIN	P.R.C.	POINT OF REVERSE CURVATURE
C.	CENTERLINE	P.O.T.	POINT OF TANGENT
CH	CHORD	P.V.C.	POLYVINYL CHLORIDE PIPE
C.M.P.	CORRUGATED METAL PIPE	R	PROPERTY LINE
CONC.	CONCRETE	(R)	RADIAL
CONST.	CONSTRUCT	R	RADIUS
C.P.	CONCRETE PIPE	REF.	REFERENCE
D.I.	DROP INLET	RET.	RETURN
DET.	DETAILS	REINFOR.C.P.	REINFORCED CONCRETE PIPE
ELEV.	ELEVATION	RT.	RIGHT
E.C.	END OF CURVE	R/W	RIGHT OF WAY
E.V.C.	END VERTICAL CURVE	S.S.	SANITARY SEWER
EXIST.	EXISTING	S.W.	SIDEWALK
E.G.	EXISTING GRADE	SHT.	SHEET
F.F.	FINISH FLOOR	STA.	STATION
F.F.C.	FRONT FACE CURB	S.D.	STORM DRAIN
F.G.	FINISH GRADE	T	TANGENT
F.H.	FIRE HYDRANT	T.C.	TOP OF CURB
FL	FLOW LINE	T.P.	TOP OF PAVEMENT
G	GAS	TYP.	TYPICAL
G.B.	GRADE BREAK	VERT.	VERTICAL
HORIZ.	HORIZONTAL	V.C.	VERTICAL CURVE
INT.	INTERSECTION	V.P.I.	VERTICAL POINT OF INTERSECTION
I.E.	INVERT ELEVATION	W.I.	WATER
L.T.	LEFT		
L	LENGTH		

CITY OF SPARKS  
SPARKS, NV 89436

ODYSSEY ENGINEERING, INC.  
895 ROBERTA LANE, SUITE #104  
SPARKS, NV 89431  
(775) 359-3303

T-1	.....	TITLE SHEET
DE-1	.....	CIVIL DEMO PLAN
S-1	.....	CIVIL SITE PLAN
G-1	.....	CIVIL GRADING PLAN
U-1	.....	CIVIL UTILITY PLAN
D-1	.....	CIVIL DETAILS
D-2	.....	CIVIL DETAILS
D-3	.....	CIVIL DETAILS
D-4	.....	CIVIL DETAILS

ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS, AND THE LATEST STANDARD DETAILS, FOR PUBLIC WORKS CONSTRUCTION (2012 EDITION AND ANY APPURTENANT SUPPLEMENTS) SPONSORED AND DISTRIBUTED BY THE CITY OF SPARKS AND WASHOE COUNTY.

AMBER SOSA, P.E.  
CITY ENGINEER

THESE PLANS, SHEETS T-1 OF 9 THROUGH D-4 OF 9,  
HAVE BEEN PREPARED IN ACCORDANCE WITH THE CITY OF  
SPARKS CODE.

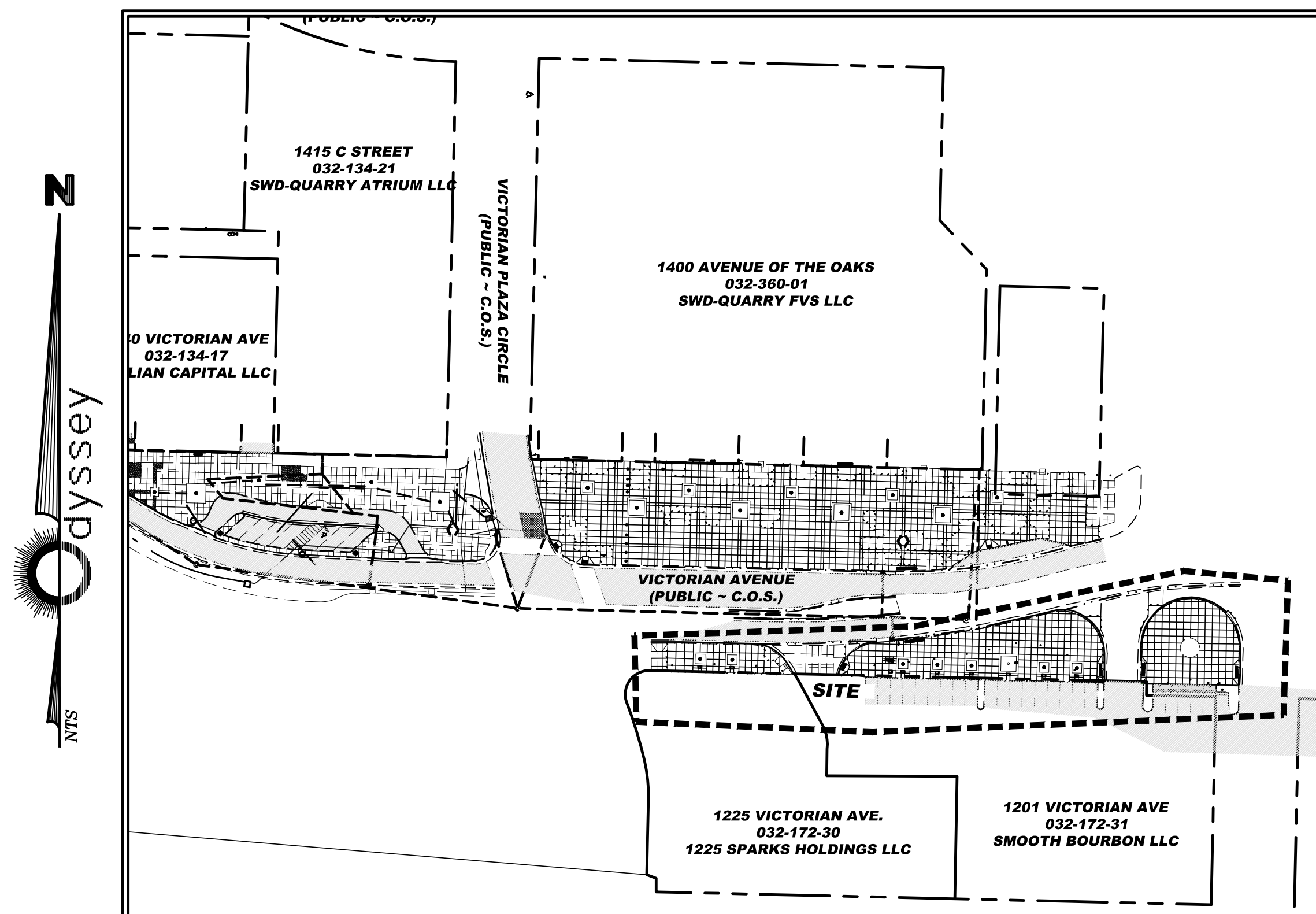
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TRAVIS C. PAGE


P.E. #28825



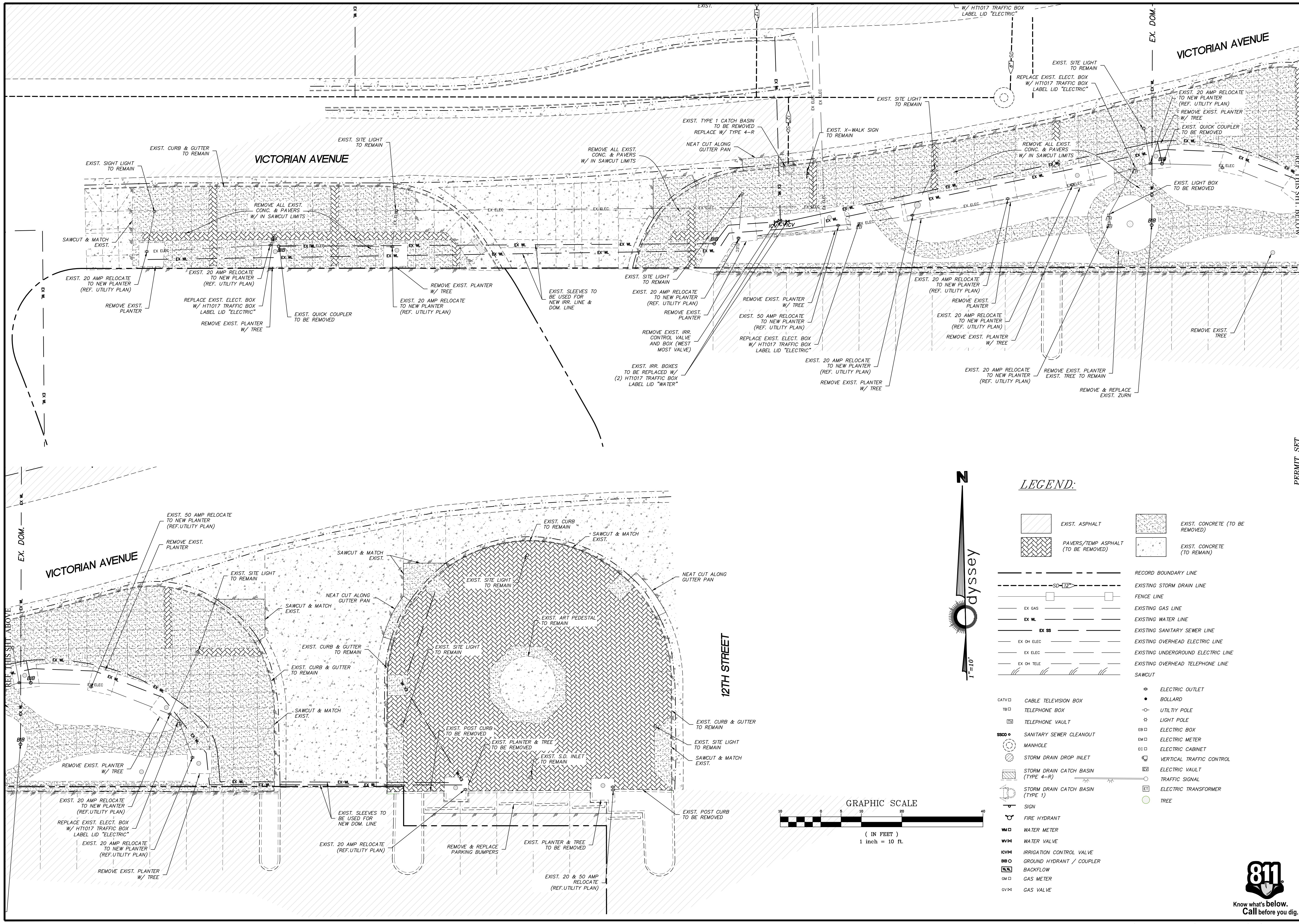
### VICINITY MAP



## SITE LAYOUT

<div style="text-align: center;">  <p><b>odyssey</b> ENGINEERING INCORPORATED</p> </div>						PERMIT SET  <b>VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT – SECTION 5B</b>  <b>TITLE SHEET</b>  SPARKS                  WASHOE                  NEVADA					
						DATE:					
						11-7-25					
						DRAWN BY:					
						ACAD. 25					
						DESIGNED BY:					
						TCP					
						CHECKED BY:					
						TCP					
SCALE HORIZ. — VERT. — JOB NO. —						SHEET <i>T-1</i> OF 9					





DATE: 11-7-25  
DRAWN BY: ACAD 25  
DESIGNED BY: TCP  
CHECKED BY: TCP

DESCRIPTION

DATE

REV.

BY

APP'D

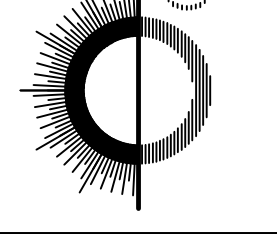
VICTORIAN SQUARE INFRASTRUCTURE  
IMPROVEMENT PROJECT - SECTION 5B  
DEMO PLAN

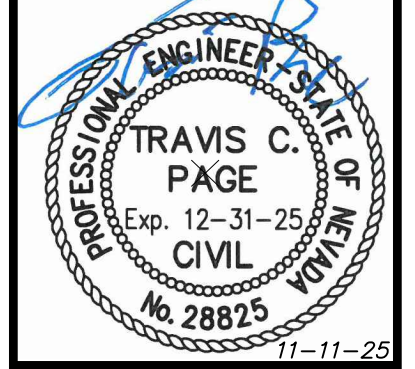
SPARKS

WASHOE

NEVADA


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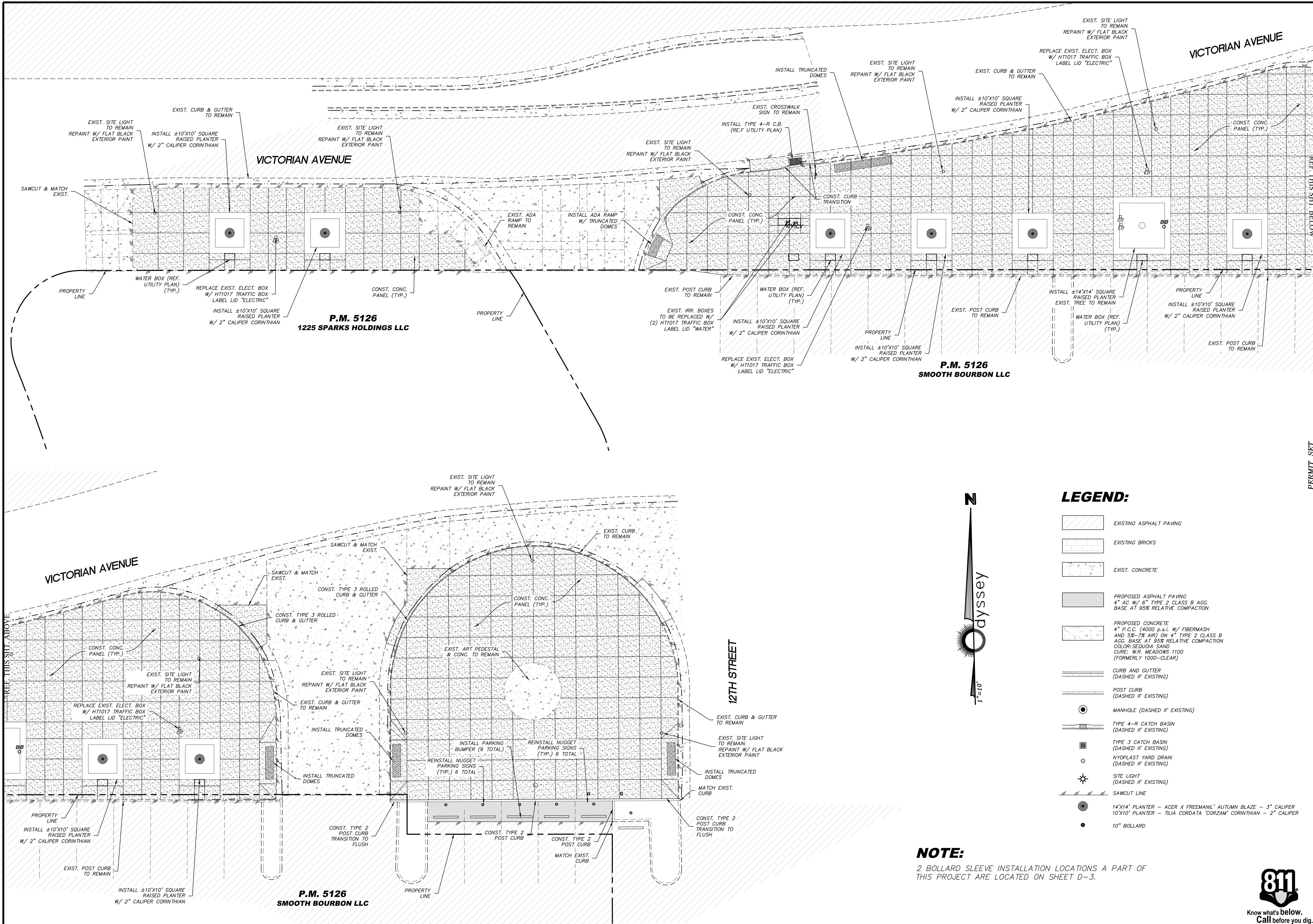
  
TRAVIS C. PAGE  
Exp. 12-31-25  
CIVIL  
No. 28825  
11-11-25

SCALE  
HORIZ. 1"=10'  
VERT. —  
JOB NO. —  
SHEET  
DE-1  
OF  
9

Know what's below.  
Call before you dig.







LEGEND:

- EXISTING ASPHALT PAVING
- EXISTING BRICKS
- EXIST. CONCRETE
- PROPOSED ASPHALT PAVING  
4" AC W/ 6" TYPE 2 CLASS B AGG.  
BASE AT 95% RELATIVE COMPACTION
- PROPOSED CONCRETE  
4" P.C.C. (4000 p.s.i. W/ FIBERMASH  
AND 5%-7% AIR) ON 4" TYPE 2 CLASS B  
AGG. BASE AT 95% RELATIVE COMPACTION  
COLOR: SEQUOIA SAND  
CURE: W.R. MEADOWS 1100  
(FORMERLY 1000-CLEAR)
- CURB AND GUTTER  
(DASHED IF EXISTING)
- POST CURB  
(DASHED IF EXISTING)
- MANHOLE (DASHED IF EXISTING)
- TYPE 4-R CATCH BASIN  
(DASHED IF EXISTING)
- TYPE 3 CATCH BASIN  
(DASHED IF EXISTING)
- NYOPLAST YARD DRAIN  
(DASHED IF EXISTING)
- SITE LIGHT  
(DASHED IF EXISTING)
- SAWCUT LINE
- 14'X14' PLANTER - ACER X FREEMANIL' AUTUMN BLAZE - 3" CALIPER  
10'X10' PLANTER - TILIA CORDATA 'CORZAM' CORINTHIAN - 2" CALIPER
- 10" BOLLARD

NOTE:

2 BOLLARD SLEEVE INSTALLATION LOCATIONS A PART OF  
THIS PROJECT ARE LOCATED ON SHEET D-3.

DATE: 11-7-25	REVISIONS	BY	APP'D
DRAWN BY: ACAD 25			
DESIGNED BY: TCP			
CHECKED BY: TCP			

**VICTORIAN SQUARE INFRASTRUCTURE  
IMPROVEMENT PROJECT - SECTION 5B  
SITE PLAN**

SPARKS WASHOE NEVADA

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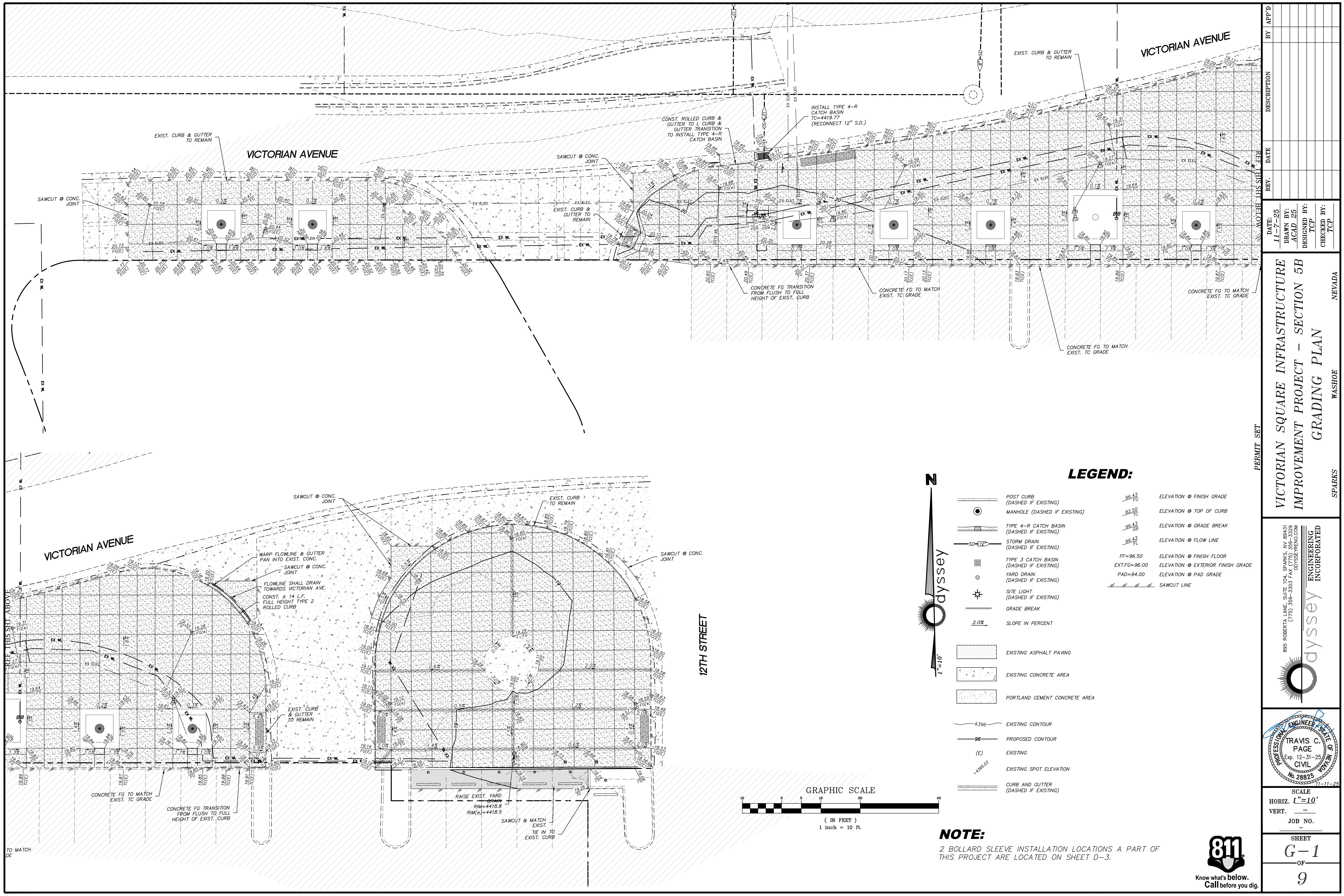
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PROFESSIONAL ENGINEER STATE OF NEVADA  
TRAVIS C. PAGE  
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CIVIL  
No. 28825  
11-11-25

SCALE  
HORIZ. 1"=10'  
VERT. -  
JOB NO. -  
SHEET  
S-1  
OF  
9

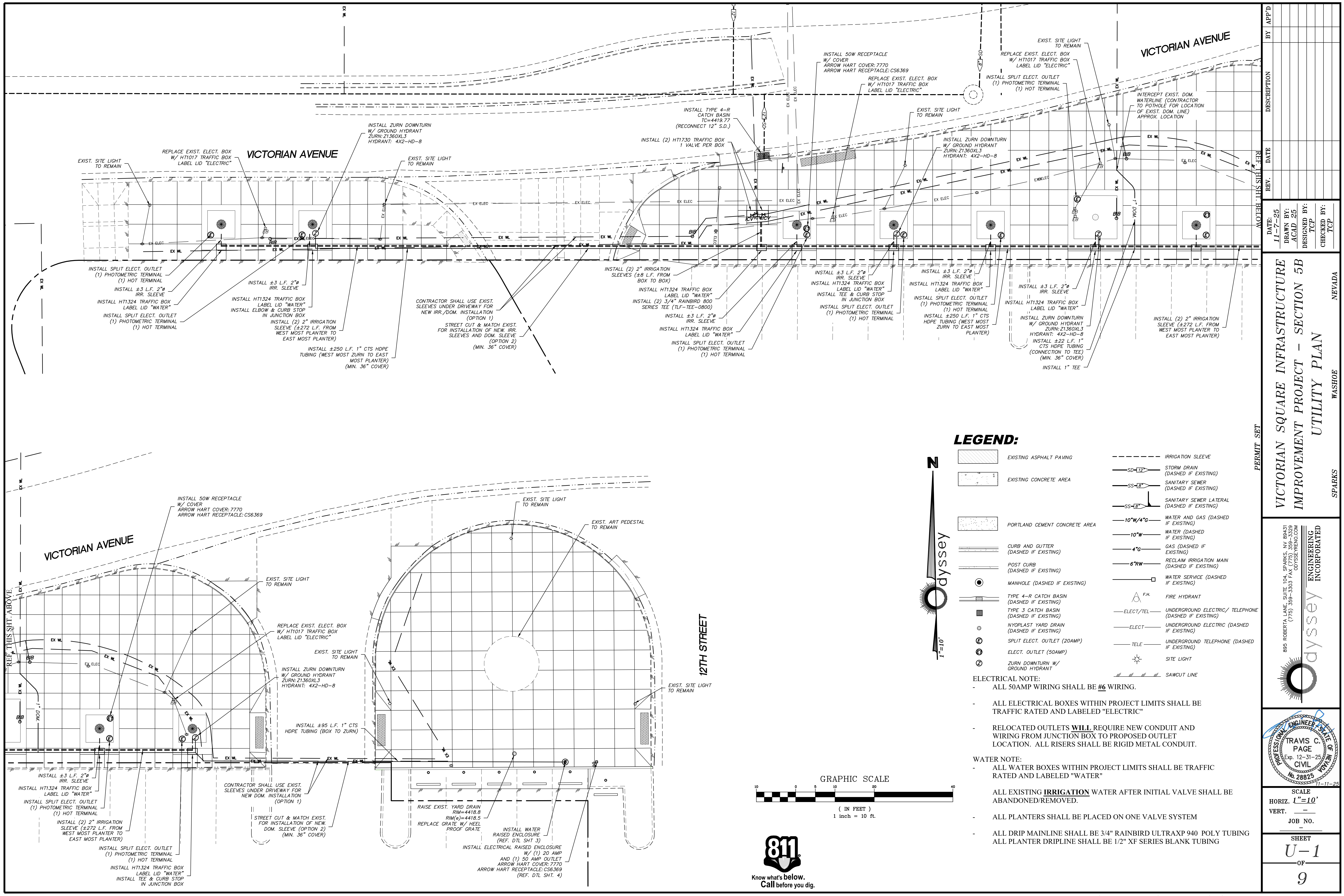




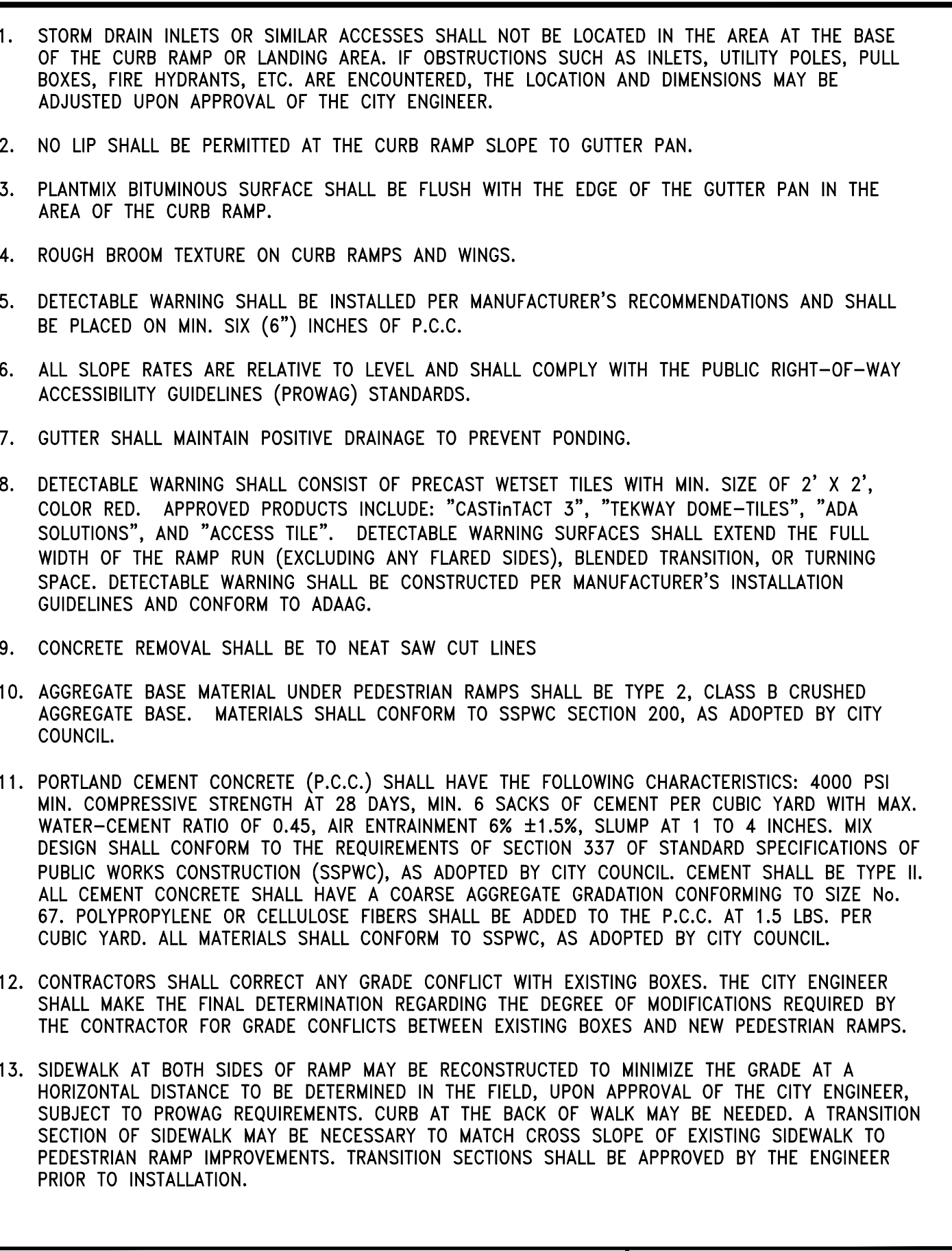
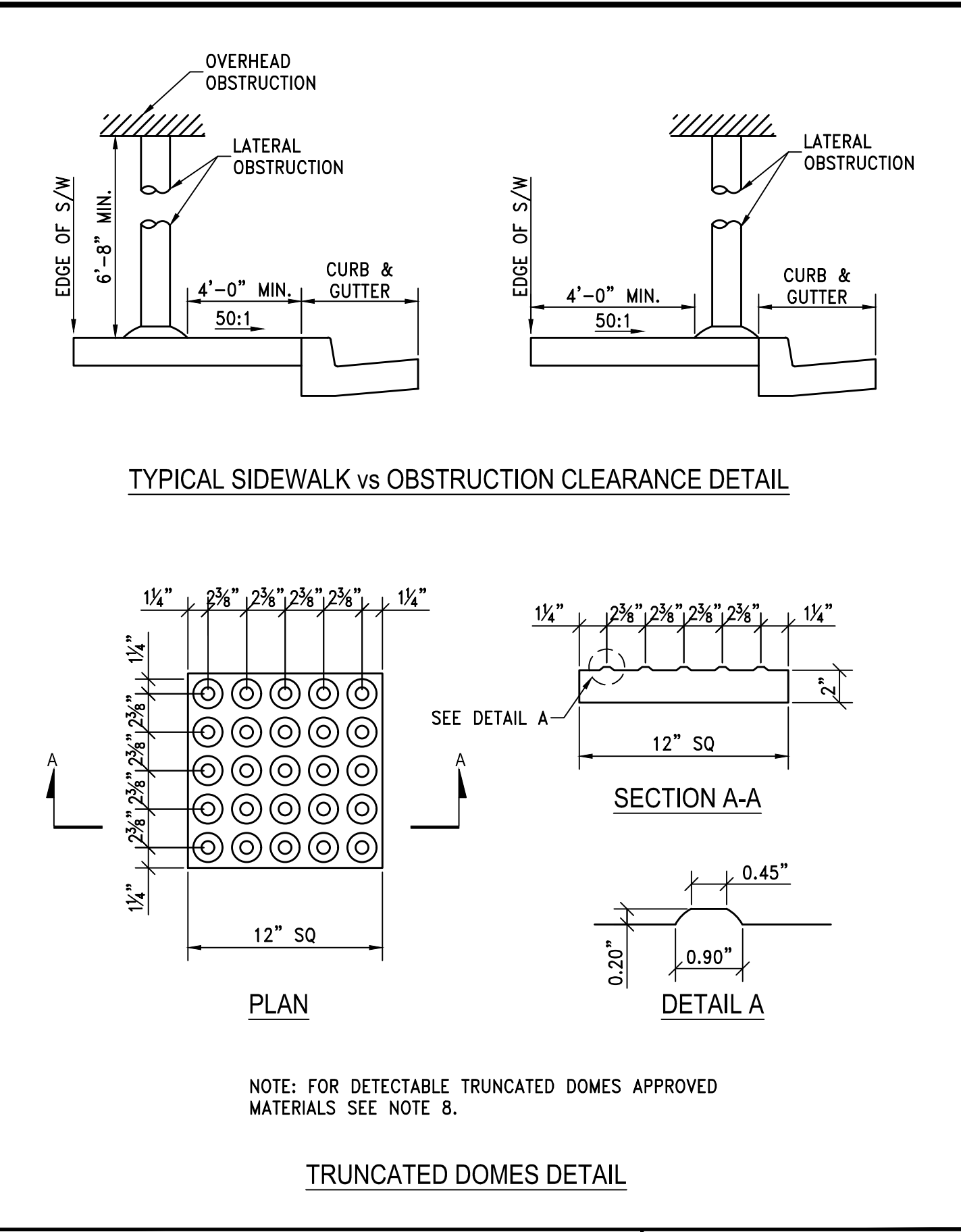
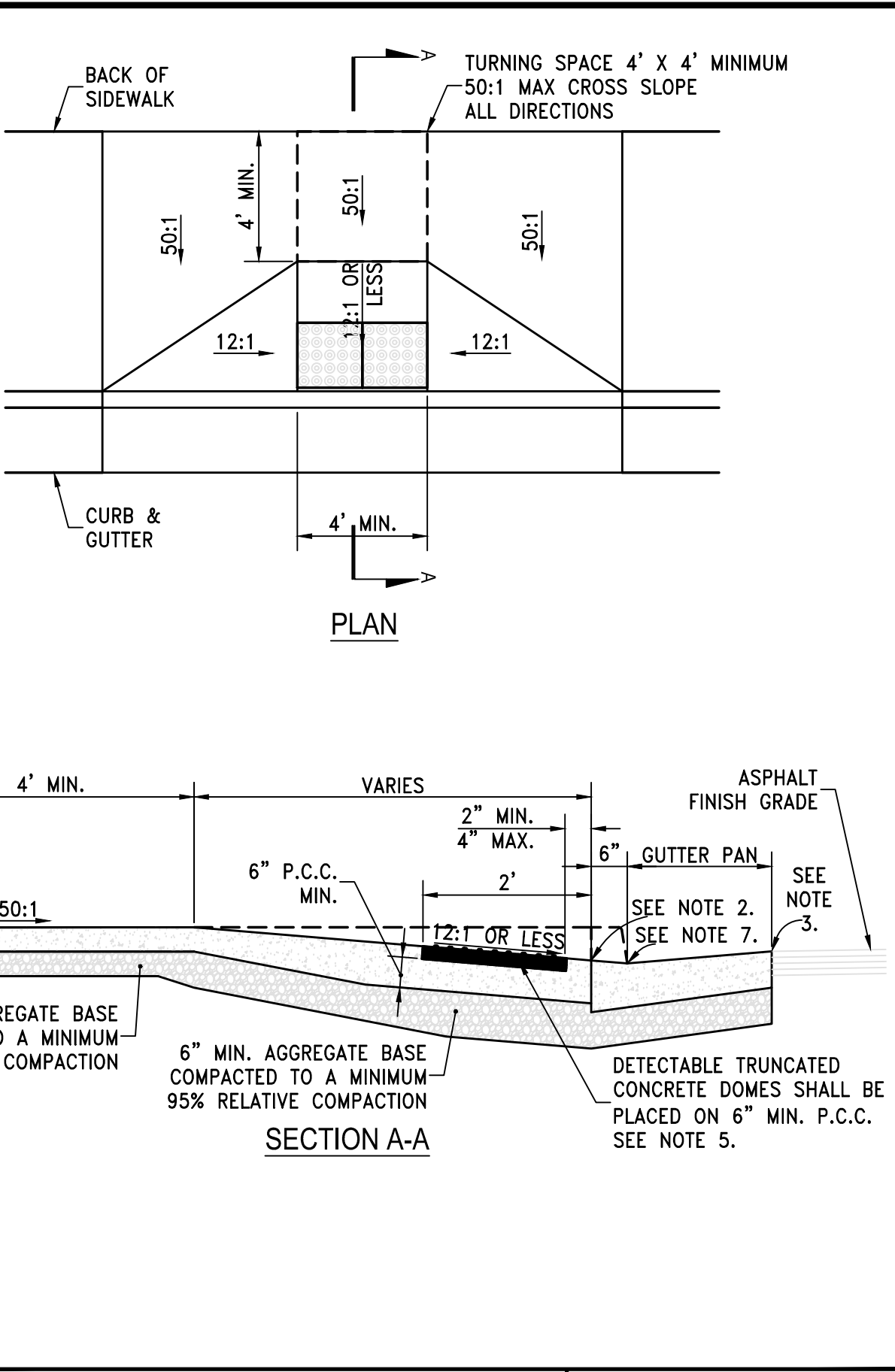
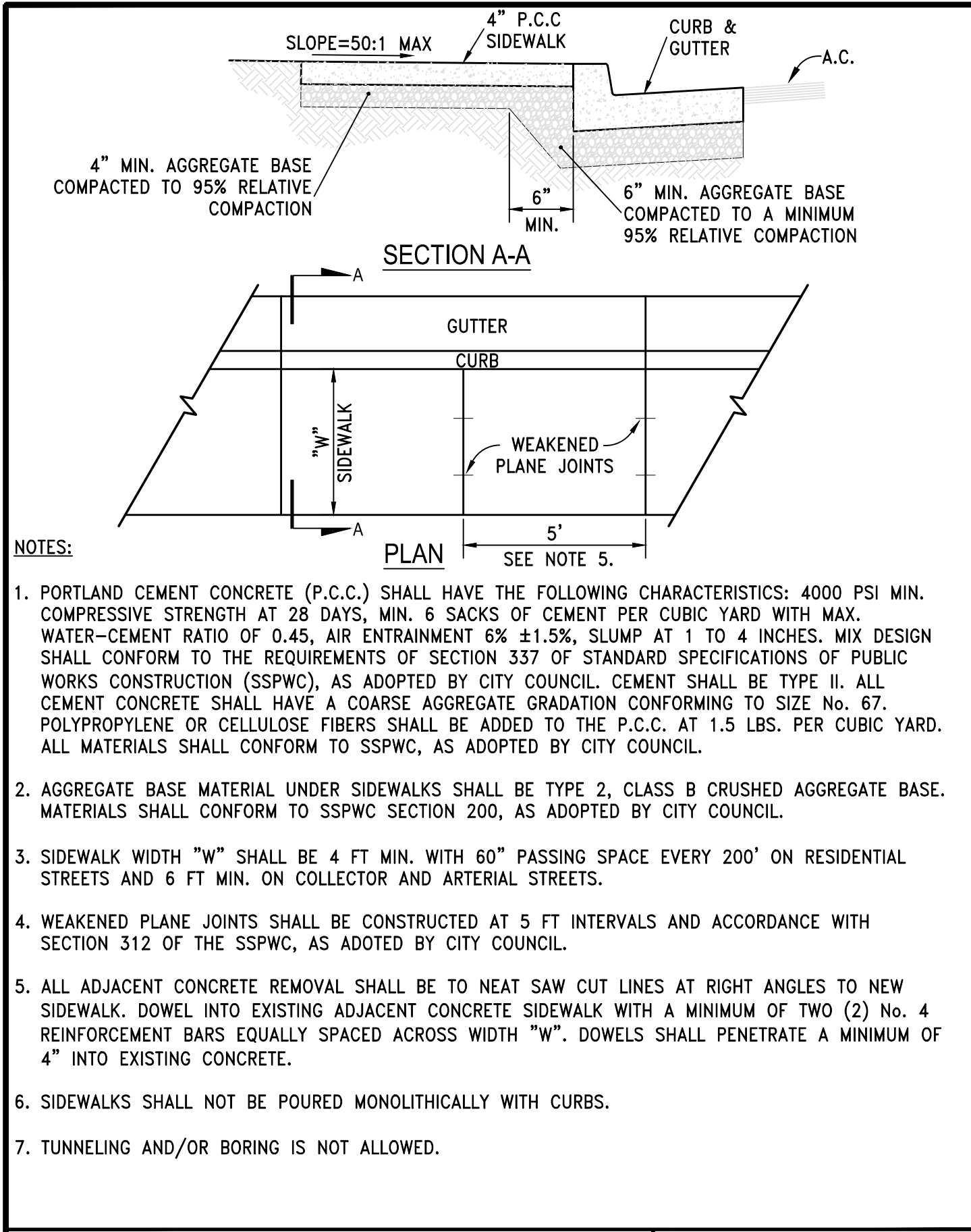


<div><div><div>OdysseyENGINEERING INCORPORATED</div></div><div>895 ROBERTA LANE, SUITE 104, SPARKS, NV 89431 (775) 359-3303 FAX (775) 359-3329 ODYSSEY.RENO.COM</div></div>				<div>VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT – SECTION 5B GRADING PLAN</div> <div>SPARKS</div> <div>WASHOE</div> <div>NEVADA</div>				<div>DATE: 11-7-25 DRAWN BY: ACAD 25 DESIGNED BY: TCP CHECKED BY: TCP</div>				REV.	DATE	DESCRIPTION	BY	APP'D
<div><div><div>SCALE HORIZ. 1"=10' VERT. – JOB NO. _____ SHEET G-1 OF 9</div></div></div>																







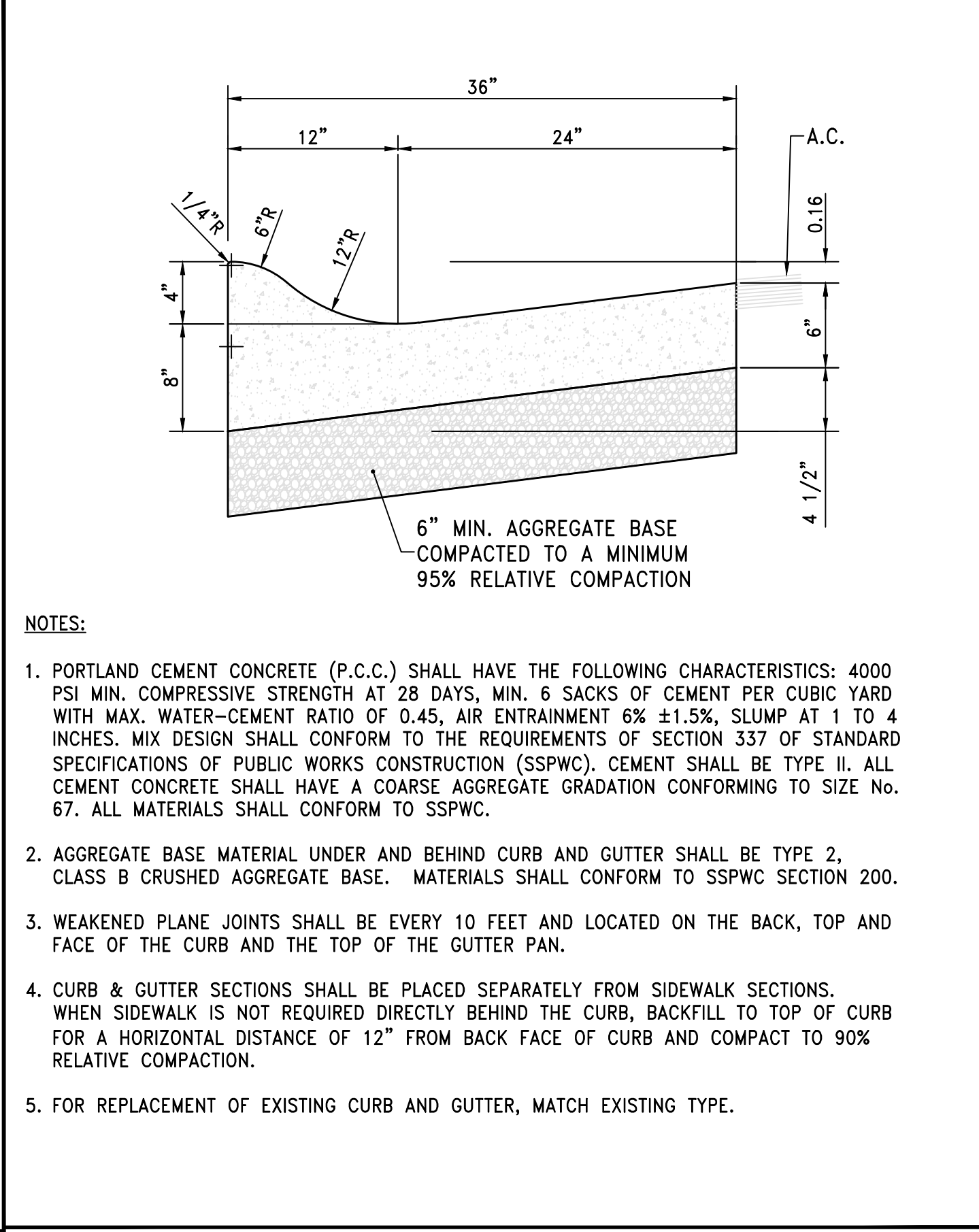
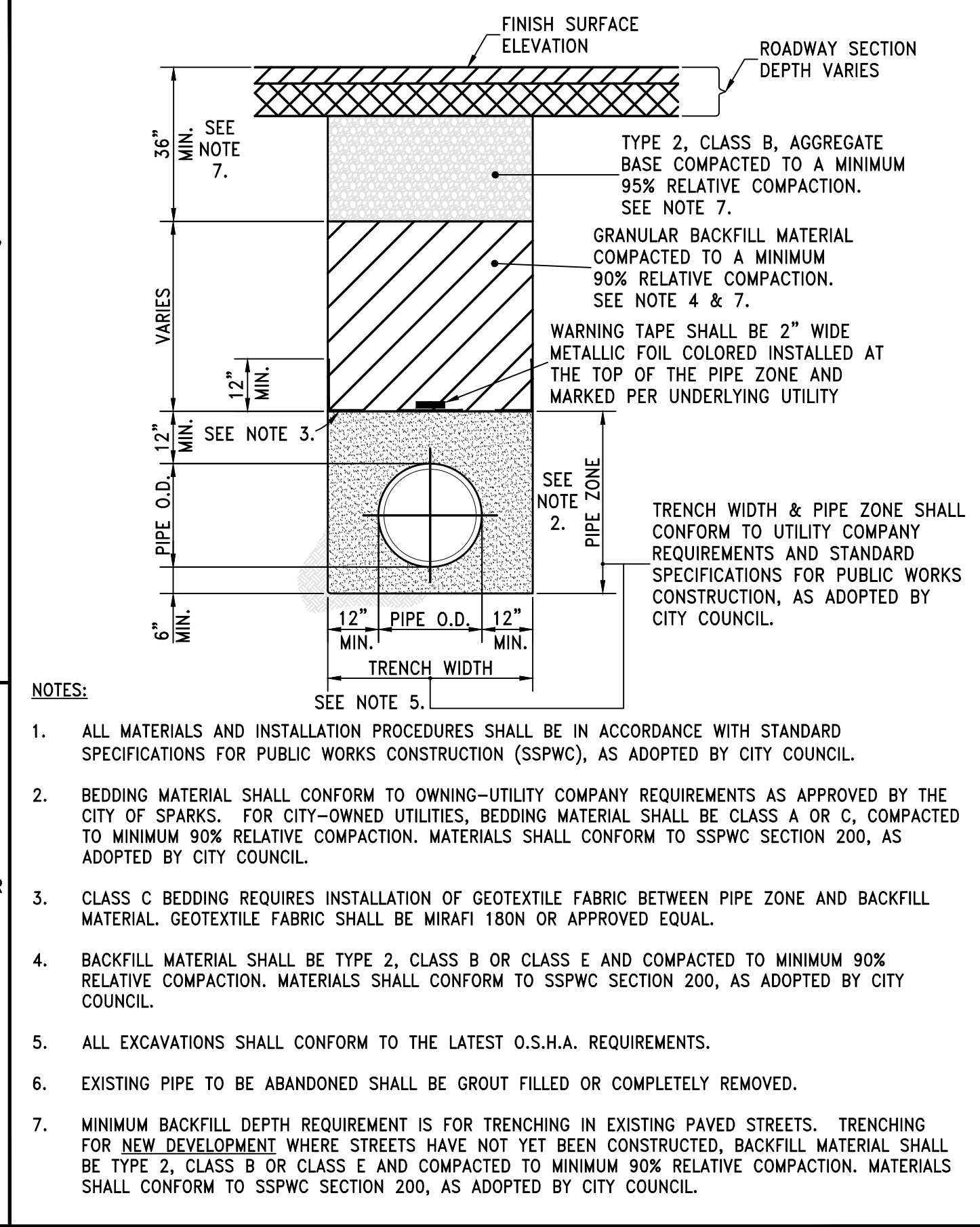
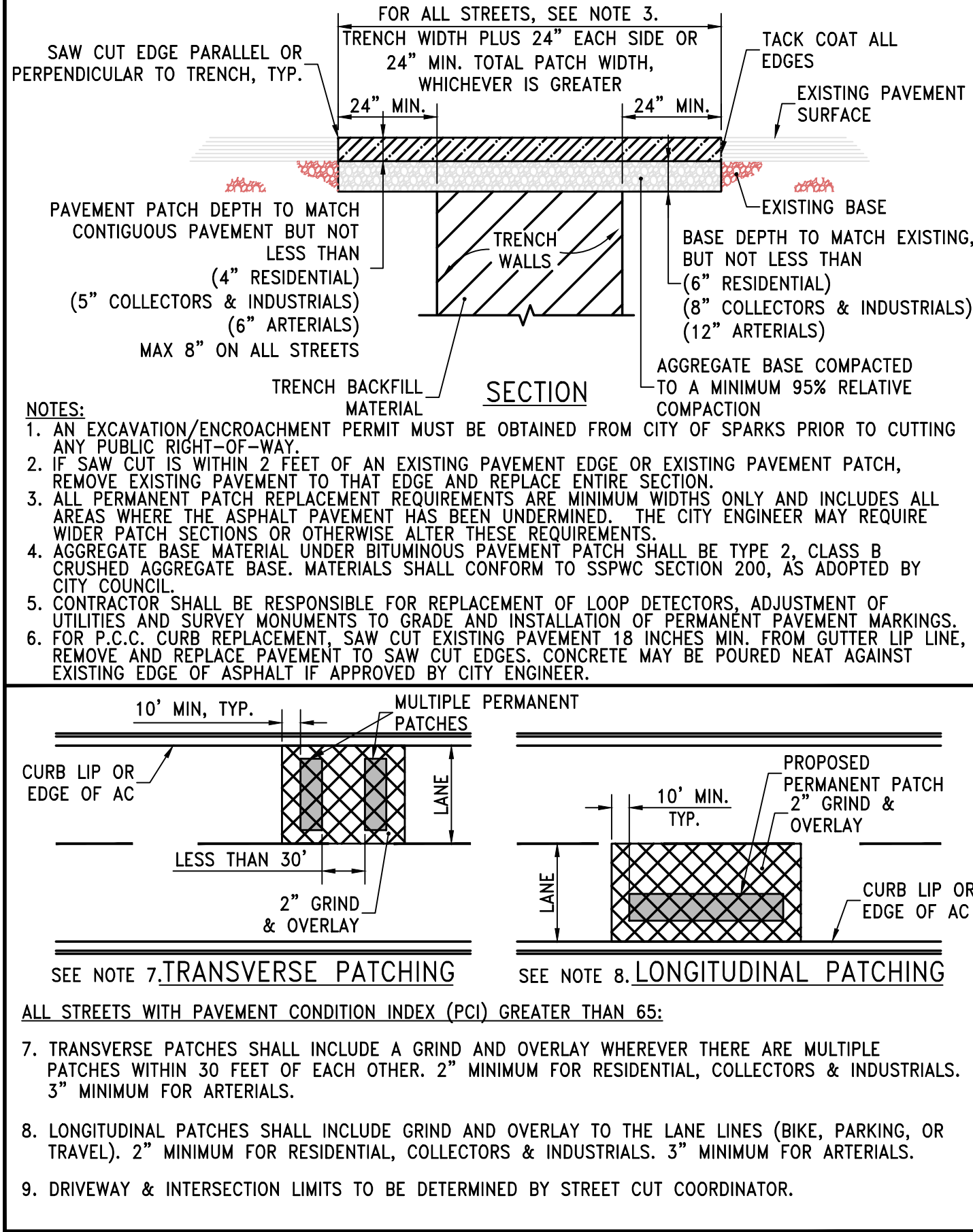
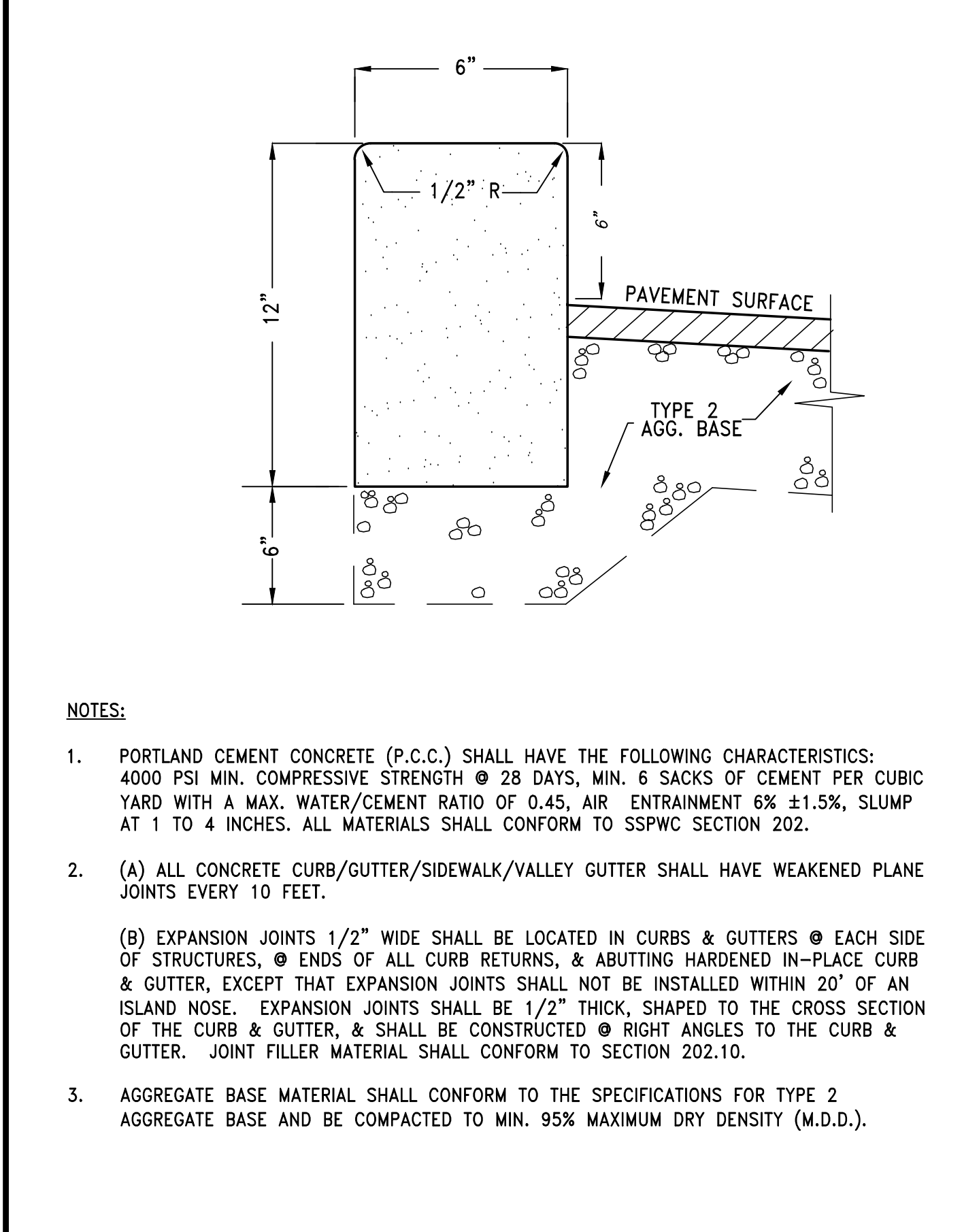


STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
 <b>SIDEWALK DETAIL</b>	<b>S-103</b>
APPROVED BY: JE	DATE: 1/2020


STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
 <b>PEDESTRIAN RAMP MIDBLOCK - TYPE 2</b>	<b>S-106E</b>
APPROVED BY: JE	DATE: 1/2020


STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
 <b>PEDESTRIAN RAMP - DETAILS</b>	<b>S-106F</b>
APPROVED BY: JE	DATE: 1/2020


STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
 <b>NOTES - PEDESTRIAN RAMP</b>	<b>S-106G</b>
APPROVED BY: JE	DATE: 3/2021



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
 <b>PERMANENT BITUMINOUS PAVEMENT PATCH</b>	<b>S-115</b>
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
 <b>TRENCH EXCAVATION/BACKFILL</b>	<b>S-117</b>
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
 <b>TYPE 3 ROLL CURB &amp; GUTTER</b>	<b>S-117</b>
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
 <b>TYPE 3 ROLL CURB &amp; GUTTER</b>	<b>S-117</b>
APPROVED BY: JE	DATE: 1/2020

DATE: 11-7-25	BY: APP'D
DRAWN BY: ACAD 25	DESCRIPTION
DESIGNED BY: TCP	DATE
CHECKED BY: TCP	REV.
VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT - SECTION 5B	
DETAIL SHEET	
NEVADA	
WASHOE	
SPARKS	
PERMIT SET	
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dyssey ENGINEERING INCORPORATED	
PROFESSIONAL ENGINEER STATE OF NEVADA TRAVIS C. PAGE Exp. 12-31-25 CIVIL No. 28825 11-11-25	
SCALE	
HORIZ. -	
VERT. -	
JOB NO. -	
SHEET	
D-1	
OF	
9	



HT1017  
TRAFFIC BOX

Meets Specifications:  
Caltrans 3-1/2(T) and NDOT 3-1/2(T)

Compare to:  
Christy® B1017  
Brooks Products® 3-1/2-T

Standard Hex-Head Bolts Included

Lifting Hole

13 1/4"

20"

2"

Steel Diamond Plate Bolt Down Lid HT1017-L01

22 5/8"

15 3/4"

17 5/8"

10 1/2"

12"

16 5/8"

11 7/16"

18 7/8"

Box HT1017-B

Galvanized Steel Welded Frame

Steel Traxplate® (Slip Resistant Surface) Bolt Down Lid HT1017-L03

PART NO.	PRODUCT	DESCRIPTION	APPROX. WEIGHT	QTY. PER PALLET
HT1017-B	BOX	10"x17"x12" Concrete Traffic Rated Box (Comes Standard With Hex Bolts)	125	20
HT1017-E	EXTENSION	10"x17"x12" Concrete Extension	126	20
HT1017-L01	LID	Steel Diamond Plate Bolt Down Lid	38	
HT1017-L03	LID	Steel Traxplate® Bolt Down Slip Resistant Cover	38	

GALVANIZING AVAILABLE ON ALL STEEL LIDS

For penta head and other bolt options, see security hardware sheet.

Design load: Traffic rated when installed per Caltrans ES-8B

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HT1324  
TRAFFIC BOX

Meets Specifications:  
Caltrans 5(T) and NDOT 5(T)

Compare to:  
Christy® B1324  
Brooks Products® 5-T

Standard Hex-Head Bolts Included

Lifting Hole

16 1/4"

27"

2"

Steel Diamond Plate Bolt Down Lid HT1324-L01

29 3/8"

18 3/4"

24 1/4"

13 1/4"

12"

24 3/4"

14 3/8"

15 5/8"

Box HT1324-B

Galvanized Steel Welded Frame

Steel Traxplate® (Slip Resistant Surface) Bolt Down Lid HT1324-L03

PART NO.	PRODUCT	DESCRIPTION	APPROX. WEIGHT	QTY. PER PALLET
HT1324-B	BOX	13"x24"x12" Concrete Traffic Rated Box (Comes Standard With Hex Bolts)	172	12
HT1324-E	EXTENSION	13"x24"x12" Concrete Extension	174	12
HT1324-L01	LID	Steel Diamond Plate Bolt Down Lid	67	
HT1324-L03	LID	Steel Traxplate® Bolt Down Slip Resistant Lid	67	

GALVANIZING AVAILABLE ON ALL STEEL LIDS

For penta head and other bolt options, see security hardware sheet.

Design load: Traffic rated when installed per Caltrans ES-8B

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36" (TYP.)

B

6" (TYP.)

SIDEWALK

CURB

GRADE BREAK (TYP.)

GUTTER

TRANSITION GUTTER (TYP.) DEPRESS FRAME & GRATE AT FLOW LINE. LIP OF GUTTER TO MATCH STREET GRADE.

FRAME, GRATE & CURB BOX (GRATE SHOWN FOR FLOW FROM RIGHT. REVERSE GRATE FOR FLOW FROM LEFT)

PLAN

TOP OF CURB TO TOP OF GRATE AT FLOW LINE. DEPRESS FRAME & GRATE TO PROVIDE 6" MIN. FLOW OPENING.

TOP OF CURB

GUTTER FLOW LINE

6" CURB BEHIND WHEN NO SIDEWALK PRESENT SEE NOTE 6.

CURB BOX HOOD

FRAME & GRATE

MATCH STREET SLOPE

30" MIN. 72" MAX.

12" MIN.

1.5" CLR. (TYP.)

6" (TYP.)

24"

1.5" CLR. (TYP.)

6" (TYP.)

4" MIN.

6" (TYP.)

36"

#4 BARS @ 18" EA. WAY (TYP.)

DRAIN ROCK

SECTION A-A

SECTION B-B

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
CATCH BASIN TYPE 4-R	S-204A
	APPROVED BY: JE DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
NOTES - CATCH BASIN TYPE 4-R	S-204B
	APPROVED BY: JE DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
CATCH BASIN OIL/WATER SEPARATOR	S-208
	APPROVED BY: JE DATE: 1/2020

- NOTES:
- P.C.C CURB AND GUTTER TRANSITION SHALL BE PORTLAND CEMENT CONCRETE (P.C.C.) AND SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE NO. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
  - REINFORCING STEEL SHALL BE GRADE 40 AND HAVE 1.5" MINIMUM CLEAR COVER.
  - CONCRETE STRUCTURE MAY BE A CAST-IN-PLACE CONCRETE UNIT UPON APPROVAL OF THE CITY ENGINEER. BASE OF CAST-IN-PLACE CONCRETE UNIT SHALL BE PLACED ON 6" COMPACTED DRAIN ROCK.
  - FRAME, GRATE AND CURB BOX HOOD ASSEMBLY SHALL BE D&L I-3519 WITH TYPE L "VANE GRATE" OR APPROVED EQUAL. GRATE SHALL BE INSTALLED WITH PROPER FLOW DIRECTION. EACH CATCH BASIN SHALL BE CAST WITH A FISH IMAGE AND THE WORDS "NO DUMPING! DRAINS TO RIVERS" IN THE TOP OF EACH CURB HOOD.
  - TILT FRAME & GRATE AS REQUIRED TO ATTAIN 6" MIN. FLOW OPENING & INSTALL DURABLE SHIMS BETWEEN THE CURB BOX & FRAME AS REQUIRED TO MATCH CURB BOX TO TOP OF CURB AND FACE OF CURB (SEE SECTION B-B).
  - WHEN SIDEWALK IS PRESENT CONCRETE BEHIND CURB BOX SHALL BE THICKENED TO THE FULL DEPTH OF THE CURB BOX. IF NO SIDEWALK IS PRESENT, POUR 6" CONCRETE CURB STRUCTURE BEHIND GRATE AND TIE BEAM INTO BOX.
  - ALL CATCH BASINS, PUBLIC OR PRIVATE, SHALL BE PROVIDED WITH A "SUR-TRAP" OIL/WATER SEPARATOR OR APPROVED EQUAL.
  - FRAMES AND GRATES SHALL BE MATCHED TO ACHIEVE A CLOSE TOLERANCE FIT WITH MINIMAL GAPS.
  - CATCH BASIN SHALL NOT BE PLACED WITHIN THE RADIUS OF THE CURB UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

3

2

1

1

2

3

DIMENSIONS

SIZE	A	B	C
4"	3"	3"	3"
6"	4"	5"	4"
8"	4"	6.5"	4"
10"	4"	8"	4"
12"	5"	10"	4"
15"	6"	10.5"	6.5"

NOTES:

- ALL CATCH BASINS, PUBLIC OR PRIVATE, SHALL BE PROVIDED WITH A "SUR-TRAP" OIL/WATER SEPARATOR OR APPROVED EQUAL.
- INSTALL OIL/WATER SEPARATOR WITH THE BOTTOM EDGE PARALLEL TO THE WATER SURFACE AND THE RECTANGULAR OPENING FACING DOWNWARD AND THE CIRCULAR END PLACED INSIDE THE OUTLET PIPE.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
CATCH BASIN TYPE 4-R	S-204A	NOTES - CATCH BASIN TYPE 4-R	S-204B	CATCH BASIN OIL/WATER SEPARATOR	S-208
	APPROVED BY: JE DATE: 1/2020		APPROVED BY: JE DATE: 1/2020		APPROVED BY: JE DATE: 1/2020

36"

12"

24"

6"

4"

1 1/2" R

6" R

12" R

6" MIN. AGGREGATE BASE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION

A.C.

0.16

6"

4 1/2"

TYPE 3 ROLLED CURB AND GUTTER

24"

1"

6"

17"

6"

6' CURB TRANSITION

TYPE 1 CURB AND GUTTER

FIELD VERIFY, MAINTAIN POSITIVE DRAINAGE @ TRANSITION

FFC, FL & LIP TRANSITION BASED UPON BFC LOCATION

1/4"

12"

4 1/2"

24"

6"

36"

TYPE 3 ROLLED CURB AND GUTTER

TYPE 1 CURB AND GUTTER

12"

6"

24"

1 1/2"

A.C.

TYPE 3 ROLLED CURB AND GUTTER

TYPE 1 CURB AND GUTTER

TYPE 3 ROLLED CURB AND GUTTER TO TYPE 1 CURB AND GUTTER TRANSITION

HT1730  
TRAFFIC BOX

Meets Specifications:  
Caltrans 6(T) and NDOT 7(T)

Compare to:  
Christy® B1730  
Brooks Products® 6-T

Standard Hex-Head Bolts Included

Lifting Hole

20 1/4"

33 1/4"

2"

Steel Diamond Plate Lid HT1730-L01

36 3/8"

24"

30 1/4"

17 1/4"

12"

31"

18"

2 1/4"

Box HT1730-B

Galvanized Steel Welded Frame

Steel Traxplate® (Slip Resistant Surface) Bolt Down Lid HT1730-L03

PART NO.	PRODUCT	DESCRIPTION	APPROX. WEIGHT	QTY. PER PALLET
HT1730-B	BOX	17"x30"x12" Concrete Traffic Rated Box (Comes Standard With Hex Bolts)	290	6
HT1730-E	EXTENSION	17"x30"x12" Concrete Extension	288	6
HT1730-L01	LID	Steel Diamond Plate Bolt Down Lid	105	
HT1730-L03	LID	Steel Traxplate® Bolt Down Slip Resistant Traffic Rated Lid	105	

GALVANIZING AVAILABLE ON ALL STEEL LIDS

For penta head and other bolt options, see security hardware sheet.

Design load: Traffic rated when installed per Caltrans ES-8B

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PERMIT SET

VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT – SECTION 5B  
DETAIL SHEET

SPARKS

NEVADA

WASHOE

DATE: 11-7-25  
DRAWN BY: ACAD\_25  
DESIGNED BY: TCP  
CHECKED BY: TCP

BY: APP'D

DESCRIPTION

DATE

REV.

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(775) 359-3603 FAX (775) 359-3604  
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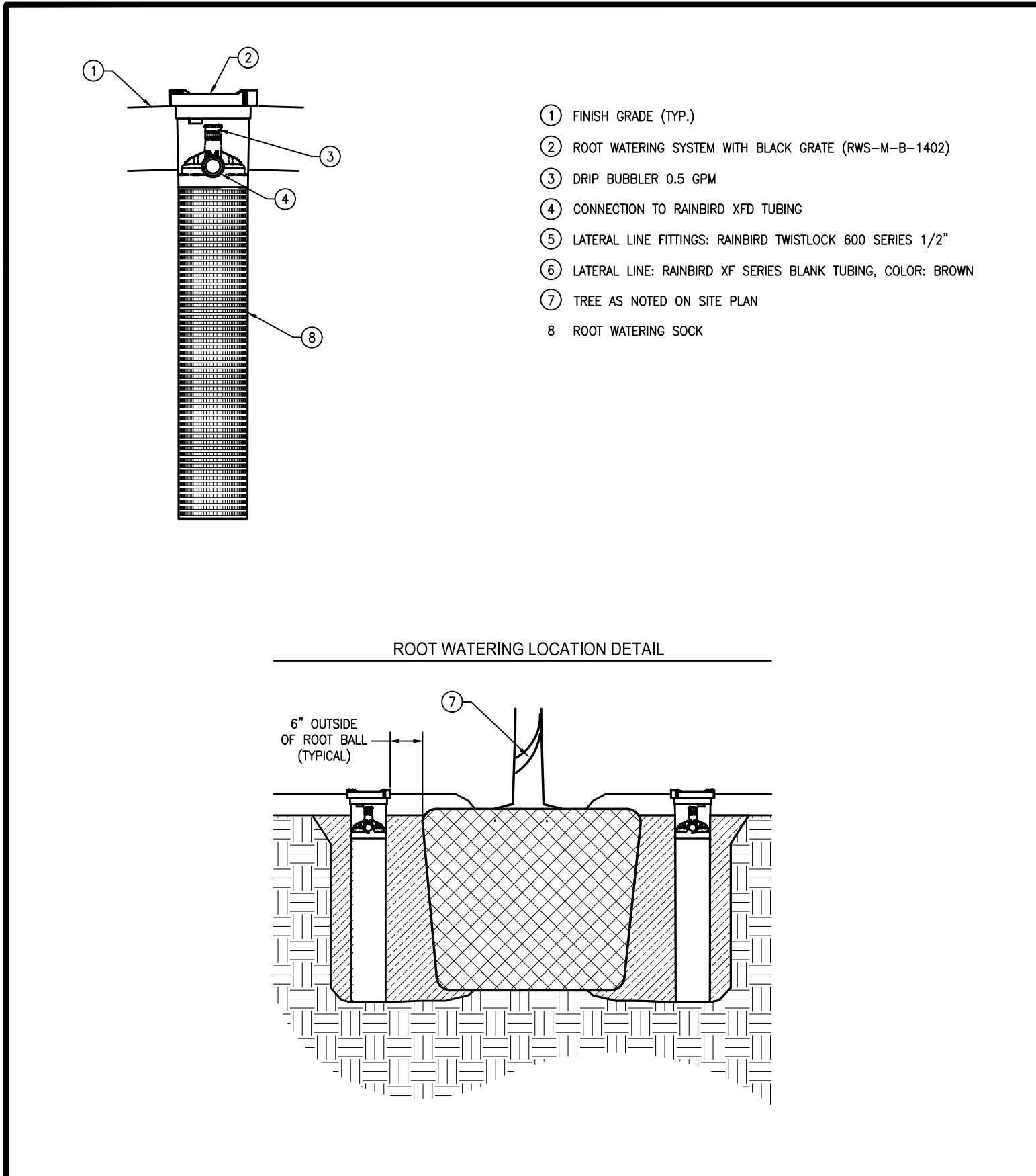
ODYSSEY ENGINEERING INCORPORATED

PROFESSIONAL ENGINEER STATE OF NEVADA  
TRAVIS C. PAGE  
Exp. 12-31-25  
CIVIL  
No. 28825  
11-11-25

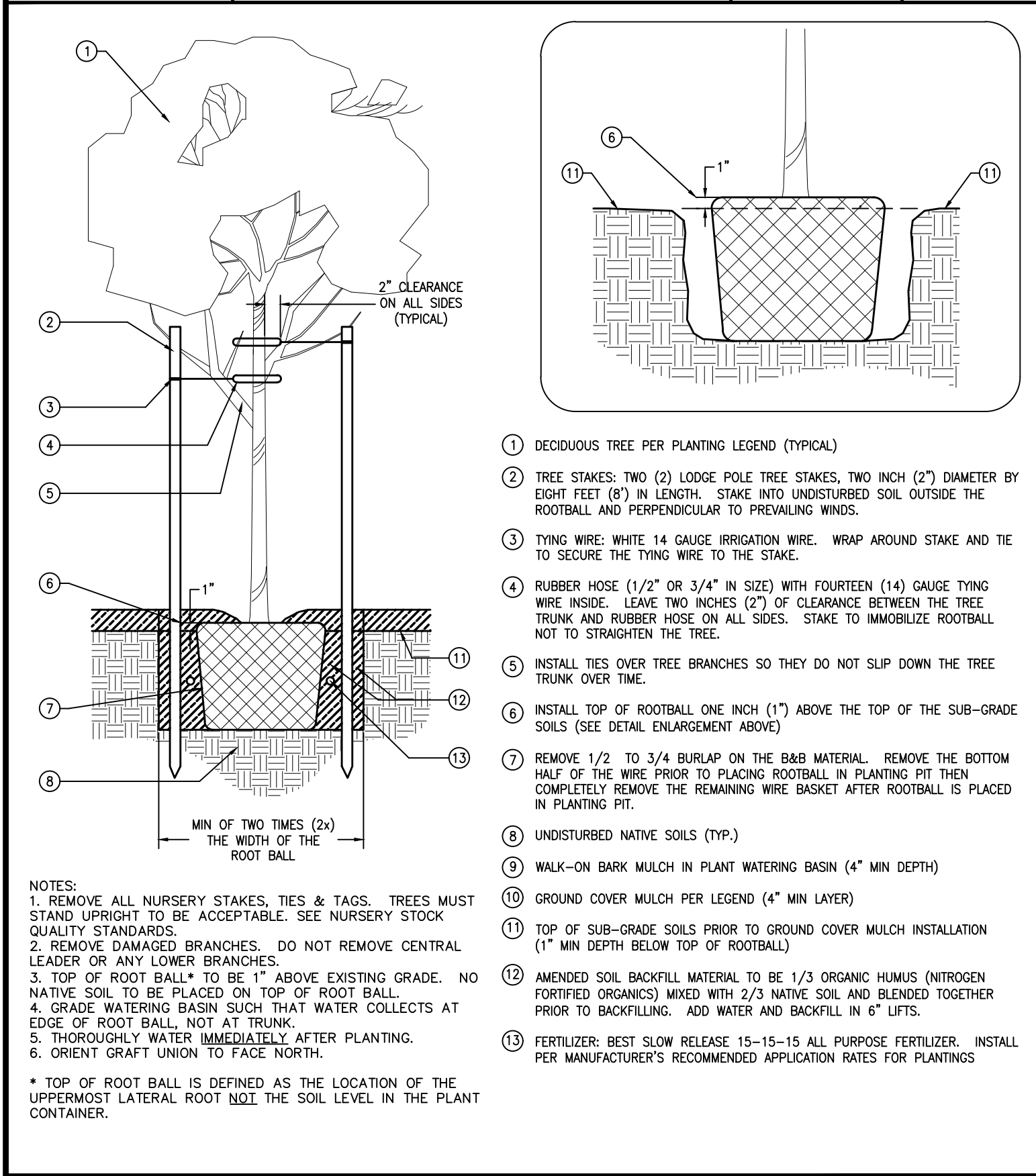
SCALE  
HORIZ. —  
VERT. —  
JOB NO. —  
SHEET  
D-2  
OF  
9

November 11, 2025 – 09:13 Dwg Name: h:\victorian avenue rehab\production drawings\PH3\Civil Details PH3.dwg Updated By: travis

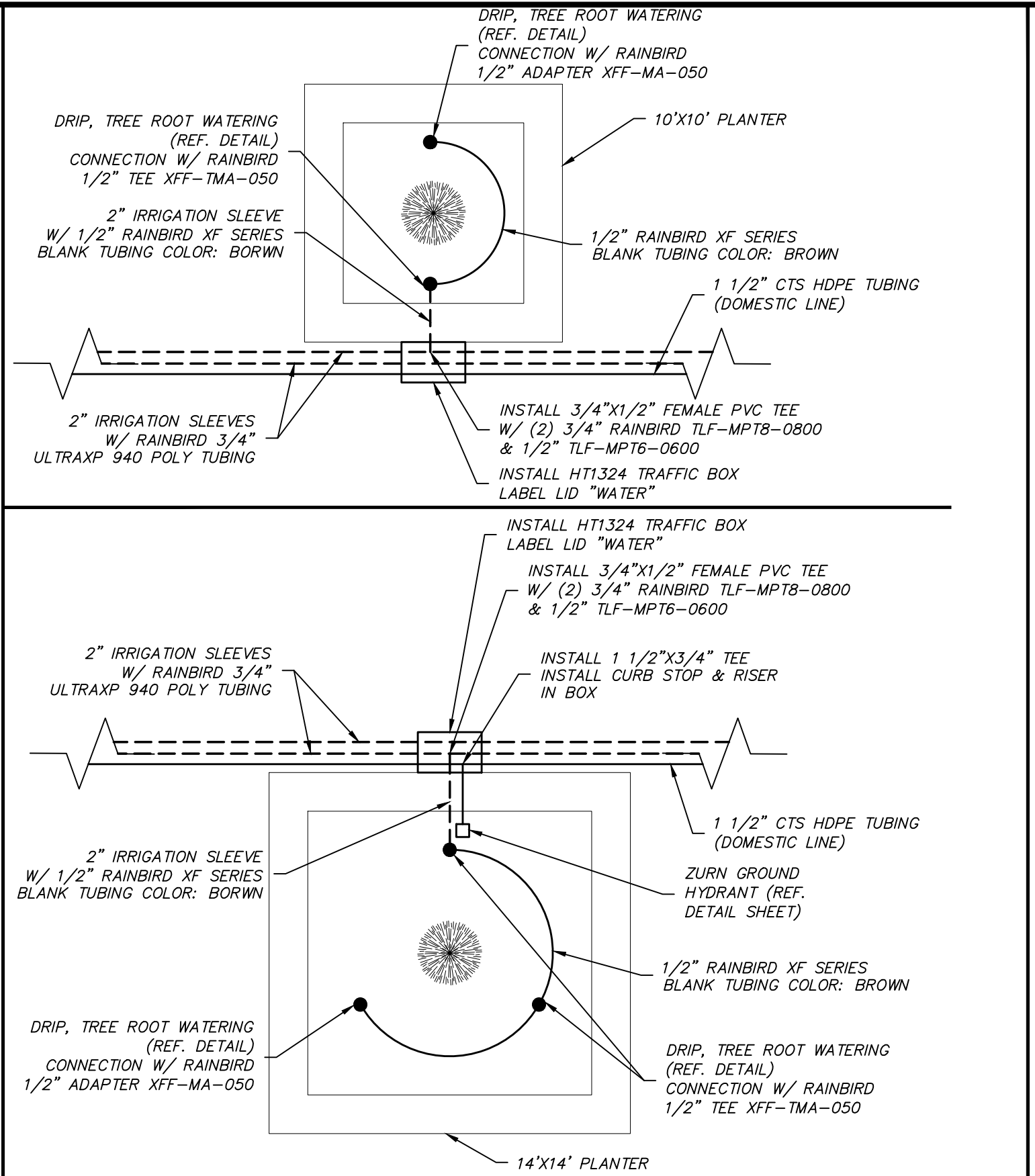




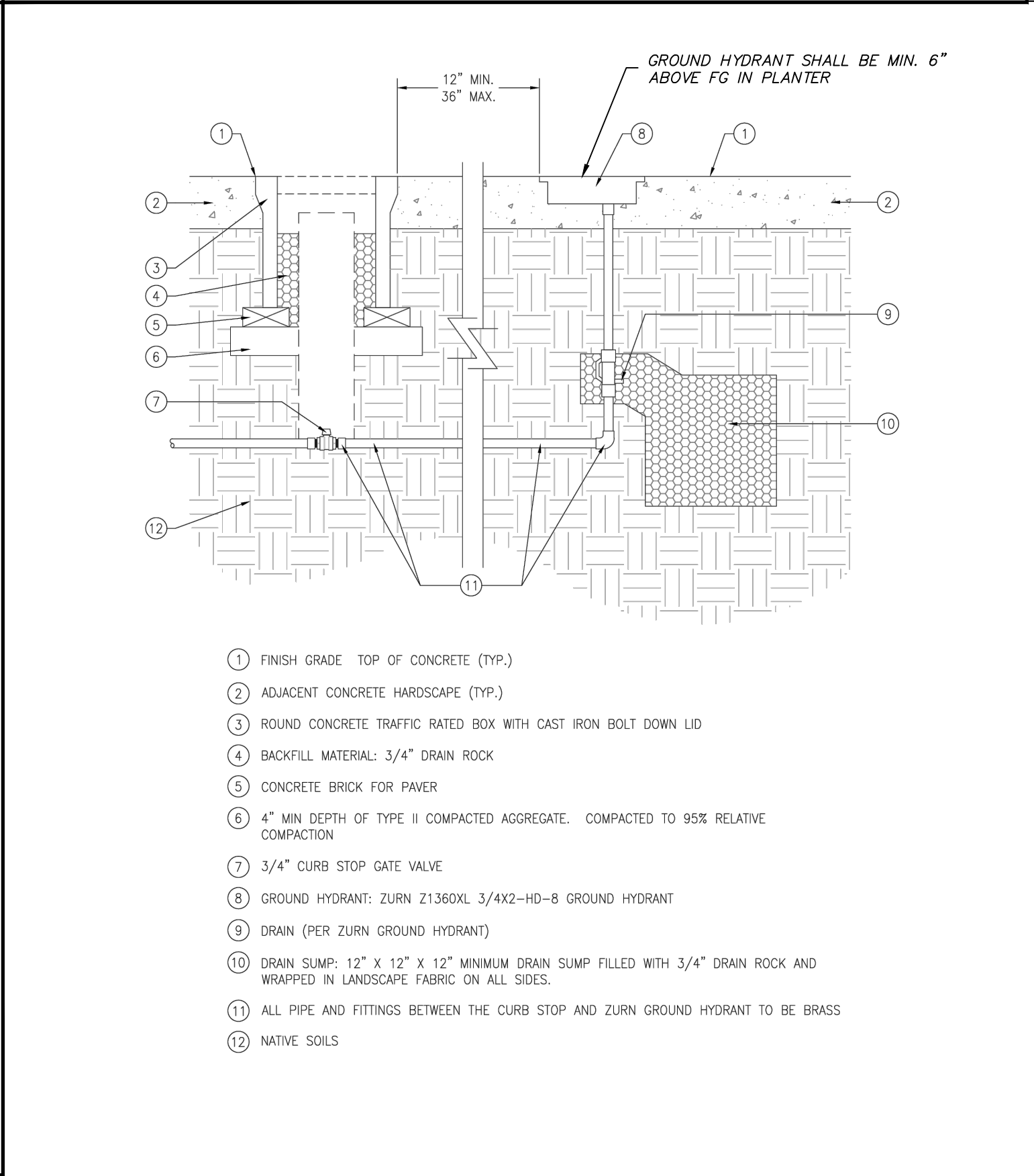
STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.	
	IRRIGATION DETAILS STANDARD (TYPICAL) DRIP, TREE DEEP ROOT WATERING	IR-00X	
		DRAWN BY: GSJ	DATE: 02/2020



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.	
	LANDSCAPE DETAILS STANDARD (TYPICAL) TREE, DECIDUOUS TREE INSTALLATION	LS-00X	
		DRAWN BY: GSJ	DATE: 01/2020



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.	
	IRRIGATION DETAILS STANDARD (TYPICAL) DRIP, TREE DEEP ROOT WATERING	IR-00X	
		DRAWN BY: GSJ	DATE: 02/2020



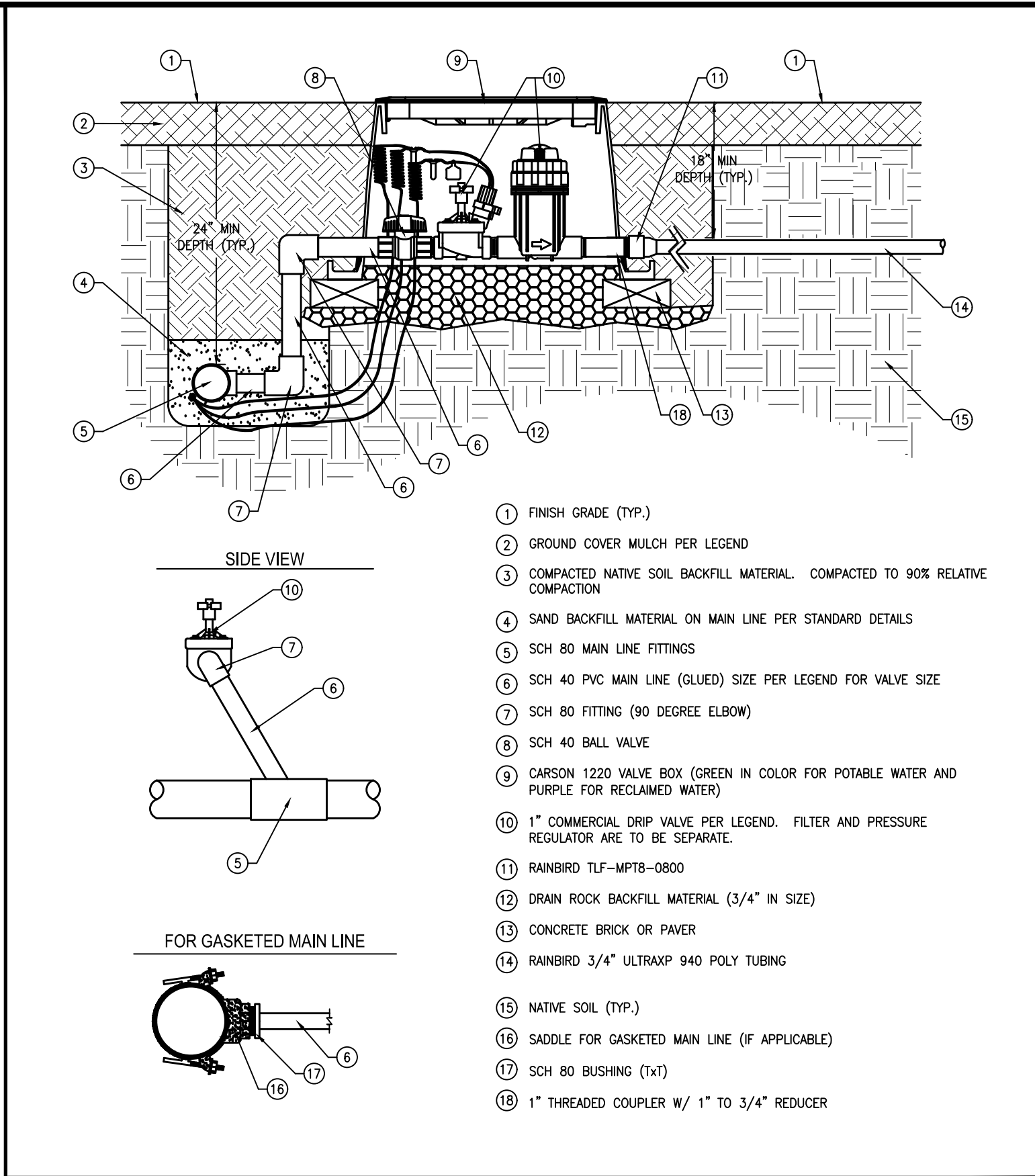
STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.	
	IRRIGATION DETAILS STANDARD (TYPICAL) GROUND HYDRANT	IR-001	
		APPROVED BY: GSJ	DATE: 10/2019



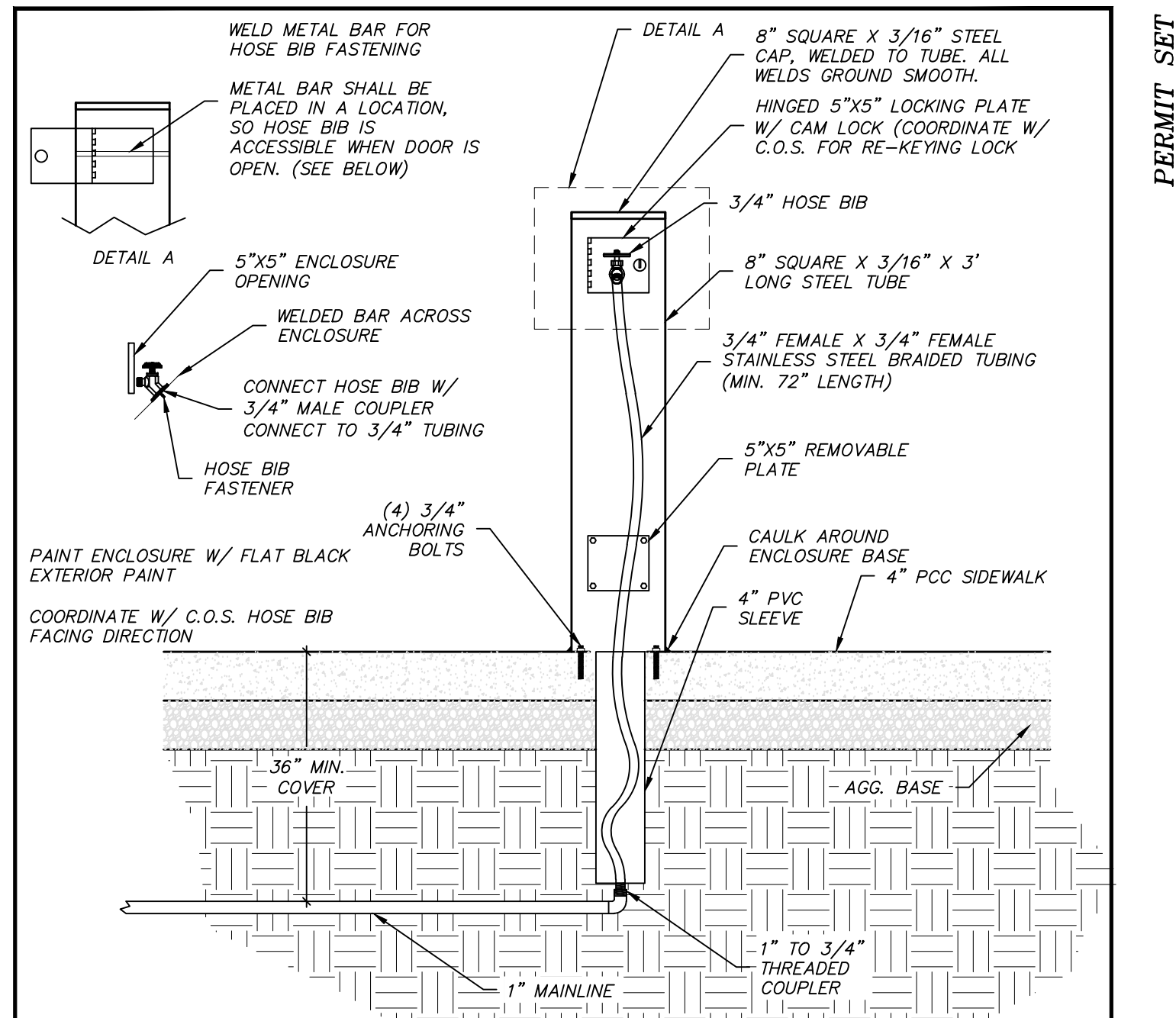
INSTALLATION OF 10" REMOVABLE BOLLARD SLEEVE FOR BOLLARD STORAGE. MATCH EXISTING SPACING AND CONCRETE SQUARE SIZE.  
LOCATION: SOUTH EAST CORNER OF VICTORIAN AVE. & 10TH ST. WEST OF THE TROY ARMSTRONG AMPHITHEATER.



INSTALL 10" REMOVABLE BOLLARD SLEEVE IN MEDIAN BULL NOSE @ VICTORIAN AVE. & E. VICTORIAN PLAZA CIRCLE INTERSECTION. (EAST SIDE OF INTERSECTION)  
IRRIGATION MAINLINE AND FIBER LINES TO BE PROTECTED IN PLACE  
\*BOLLARD PLACEMENT SHALL BE 2.5 FEET EAST ALONG THE CENTER JOINT OF CONCRETE TO BE REMOVED.  
RECONSTRUCT CONCRETE MEDIAN, MATCH EXISTING CURB/GUTTER SECTION.



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.	
	IRRIGATION DETAILS STANDARD (TYPICAL) VALVE, COMMERCIAL DRIP	IR-00X	
		DRAWN BY: GSJ	DATE: 01/2020



NOTES:  
1. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE # 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.  
2. AGGREGATE BASE MATERIAL UNDER SIDEWALKS SHALL BE TYPE 2, CLASS B CRUSHED AGGREGATE BASE. MATERIALS SHALL CONFORM TO SSPWC SECTION 200, AS ADOPTED BY CITY COUNCIL.  
3. ALL WELDS AND BENDS SHALL BE SMOOTH, EVEN AND PAINTED.

RAISED WATER ENCLOSURE

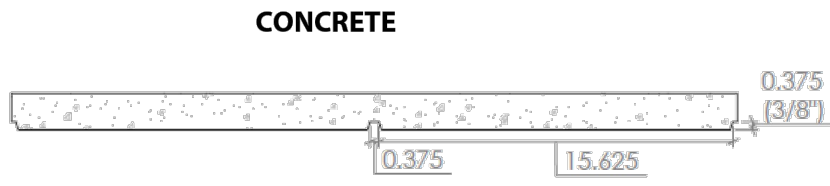
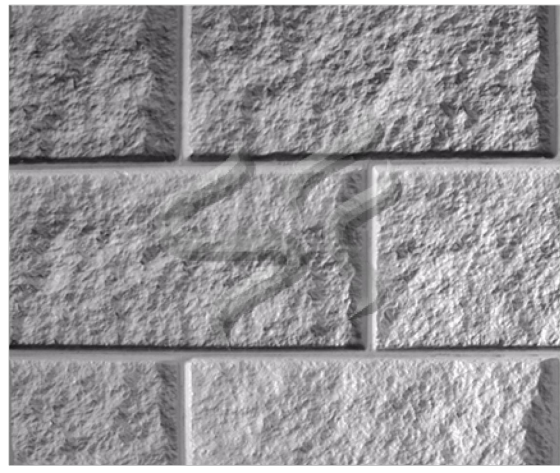
REVISIONS	DATE	DESCRIPTION	BY	APP'D
DATE: 11-7-25	DRAWN BY: ACAD 25	DESIGNED BY: TCP	CHECKED BY: TCP	
VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT – SECTION 5B				
DETAIL SHEET				NEVADA
SPARKS				WASHOE
885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431 (775) 359-3667 FAX: (775) 359-3668 ODYSSEYENGINEERING.COM				
odyssey ENGINEERING INCORPORATED				
PROFESSIONAL ENGINEER STATE OF NEVADA TRAVIS C. PAGE Exp. 12-31-25 CIVIL No. 28825				
SCALE HORIZ. — VERT. — JOB NO. —				
SHEET D-3 OF 9				





Pattern Number: **1407**  
**8" x 16" Split Face Block**  
Standard split faced CMU block  
3/8" mortar joint

1 of 1



Visit [www.specformliners.com](http://www.specformliners.com) for application guides and technical information

#### ThermoSpec™ SWEEP OR MULTI-USE PLASTIC

Property	HIPS	ABS
Tensile D638	3700	5300
Flexural D7905	-	9300
Hardness D786	-	105
Material Weights - lbs/ft <sup>2</sup>		
0.070 MIL	0.110 MIL	0.150 MIL
0.393	0.621	0.843
Thicknesses Available		
0.070, 0.090, 0.110, 0.145, 0.155, 0.180		

#### ElastoSpec Lite™ Semi-Elastomeric MULTI-USE MATERIAL

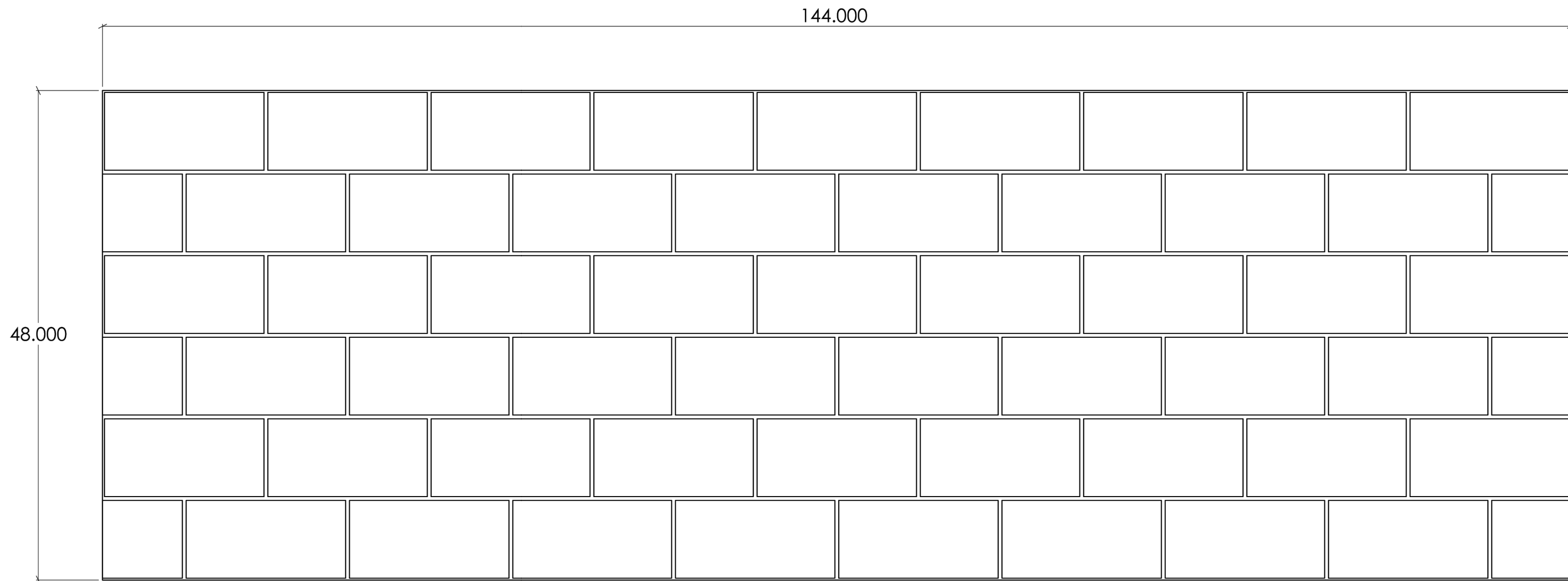
Property	ASTM	Rating
Shore A/D	D2240	40D/90A
Tensile	D412	1900 psi
Elongation	D412	300%
Tear Strength	D2370	23 MPa
Material Weights - lbs/ft <sup>2</sup>		
Varies by Pattern		
Maximum Thickness		
1/4" + Relief		

#### ElastoSpec™ 100% Solid Urethane BONDED TO 3/4" PLYWOOD

Property	ASTM	Rating
Shore A	D2240	55-65
Tensile	D412	1400 psi
Elongation	D638	600%
Tear Strength	D624	200 pli
Material Weights - lbs/ft <sup>2</sup>		
Varies by Pattern		
Maximum Thickness		
1-1/8" + Relief		

Call for ThermoSpec™ Standard Panel Sizes on this pattern. Custom Sizes and Art Panels available  
ElastoSpec™ Customized Panel Sizes and Art Panels

Spec Formliners, Inc. 1038 E 4th Street, Santa Ana, CA 92701  
www.specformliners.com • Phone: 714 429-9500 • FAX: 714 429-1460



Spec Formliners, Inc.  
1038 E. 4th St. Santa Ana, CA 92701  
888-429-9550 Phone 714-429-1460 Fax  
www.SpecFormliners.com



DRAWN BY: Long N. 11/1/2016  
PROPRIETARY AND CONFIDENTIAL  
THE INFORMATION CONTAINED IN THIS  
DRAWING IS THE SOLE PROPERTY OF  
SPEC FORMLINERS, INC. ANY  
REPRODUCTION IN PART OR AS A WHOLE  
WITHOUT THE WRITTEN PERMISSION OF  
SPEC FORMLINERS, INC. IS PROHIBITED.

SHEET SIZE  
11"x17"  
DO NOT  
SCALE  
SHEET 1 OF 1  
1407\_48x144

**1407**  
8" x 16" Split Face Block  
(48" x 144")

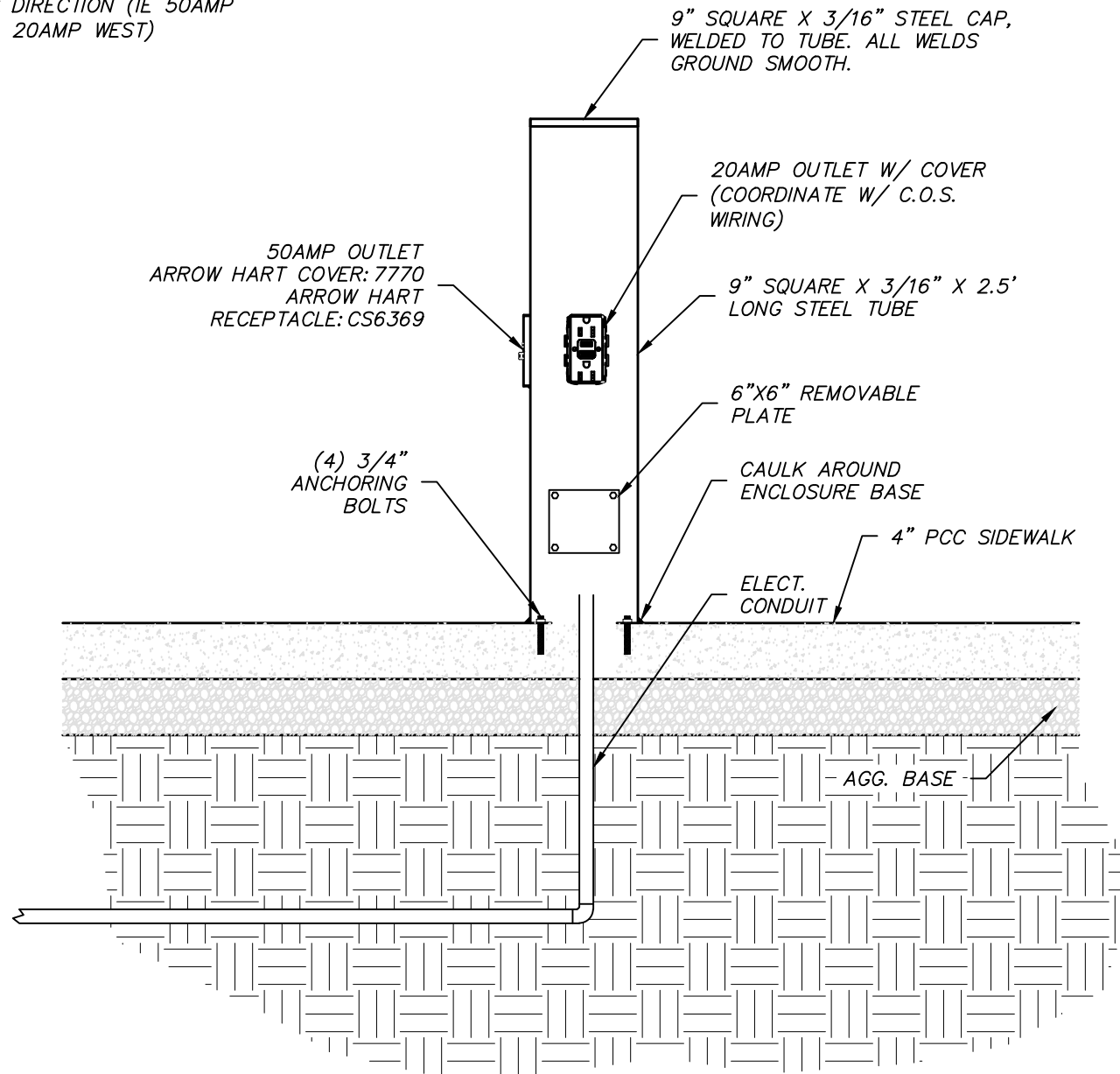
NOTES:

APPROVAL SIGNATURE:

Please provide a signature in this box to indicate that this drawing has been approved and that Spec Formliners, Inc. must begin production.

PAINT ENCLOSURE W/ FLAT BLACK  
EXTERIOR PAINT

COORDINATE W/ C.O.S. ON OUTLET  
FACING DIRECTION (IE 50AMP  
SOUTH, 20AMP WEST)



NOTES:

1. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 537 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
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3. ALL WELDS AND BENDS SHALL BE SMOOTH, EVEN AND PAINTED.

## RAISED ELECTRICAL ENCLOSURE



**The Eco-Friendly Answer  
for the Look of Acid  
Stain. . .**

Approved as Submitted/Noted  
Color: Black  
05/04/2019  
Christopher S. Cobb  
CSC

**Transform Plain  
Gray Concrete  
Into Deeply Rich  
Colored Surfaces**

- Variegated Finish
- 20 Standard Colors
- Won't Peel, Chip, Crack, or Fade
- Perfect for Interior and Exterior Use
- Ideal "touch-up" for acid stained surface
- Environmentally Friendly, Odorless

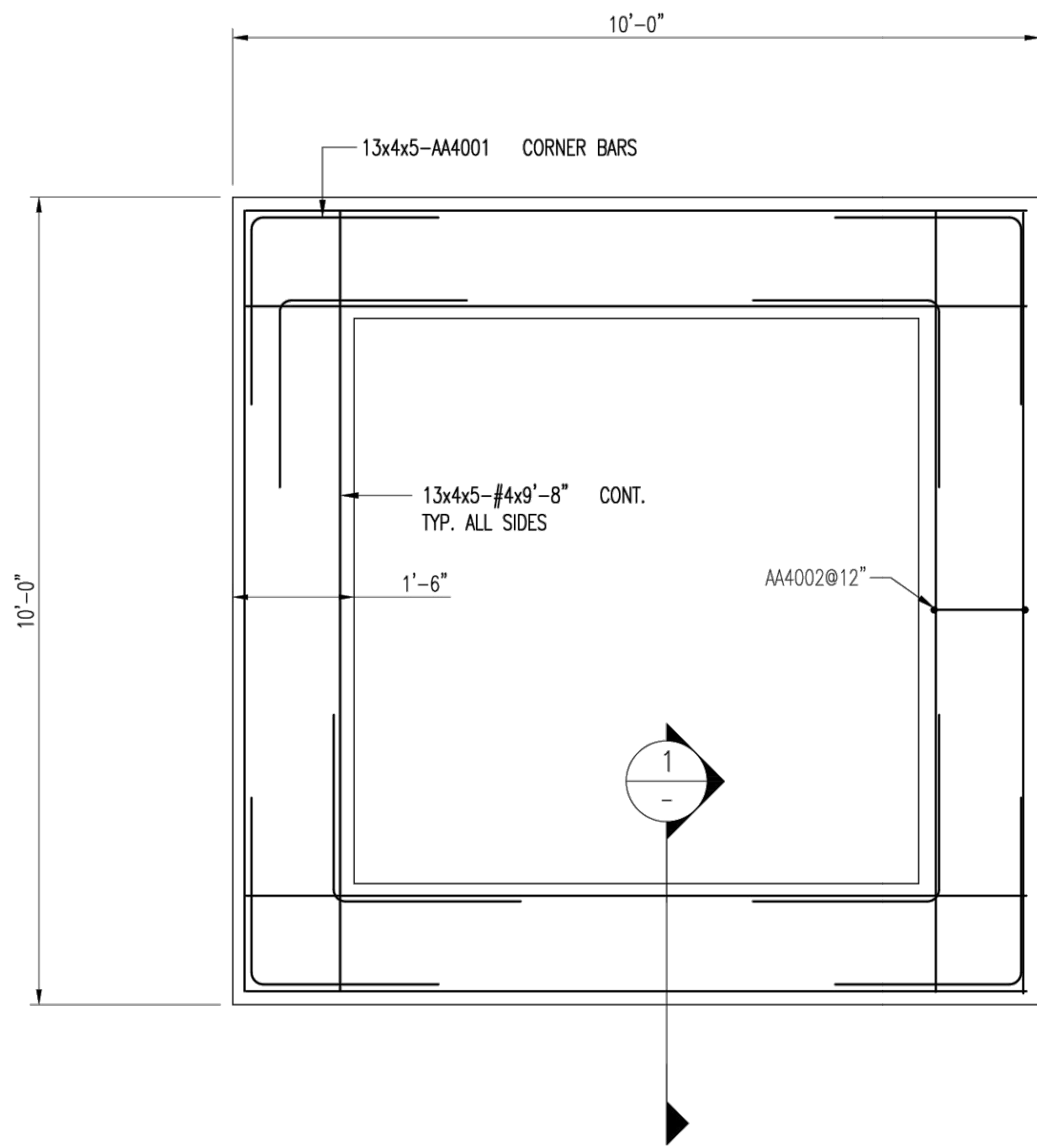
**. . . Ideal for Exterior and Interior Use!**

Stone Essence  
Concentrated  
Concrete Stain is  
Ideal for:

- Patios
- Pool Decks
- Walkways
- Garages
- Driveways
- Basements

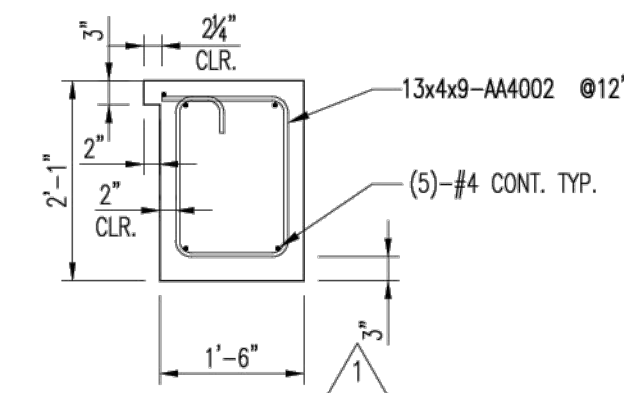


No Acid ● No VOC's



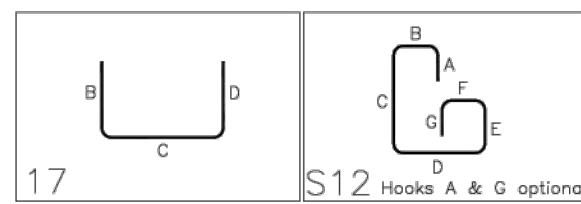
10' x 10' PLANTER BOX

13 PLACES SIM.  
REF: C3.3



1 SECTION  
REF:

Drawing Sheet : R-001					BAR LIST												
Bar Mark	Qty	Size	Total Length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'	L'	M'
AA4001	260	#4	4'-8"	17			2'-4"	2'-4"									
AA4002	480	#4	6'-8"	S12	4 8"	6"	1'-8"	1'-2"	1'-8"	1'-3 8"							



ALL MATERIAL ON THIS DRAWING  
SHALL BE ASTM GRADE 60  
U.N.O.

No.	Description	Date	By
1	REVISED CURB/TIE SIZE	11-22-2017	RLS
0	FOR APPROVALS	11-3-2017	RLS
Revisions and Issue Record			
The full intent and purpose of this drawing is the placing of reinforcing steel bars ONLY. It is NOT to be used as a means of communication between the Architect, Engineer, Contractor or any other Sub-trades.			
THIS DRAWING IS NOT TO BE SCALED.			
<b>HarrisRebar</b> Harris Salinas Rebar Inc. 710 LINCOLN ROAD MOUNDHOUSE-NV-89706 TEL. (775)-246-8622 FAX. (775)-246-8624			
Project: VICTORIAN SQUARE INFRASTRUCTURE			
Drawing: PLANTER BOXES REINFORCING STEEL			
Customer:			
Contractor:			
Refer to Release:			
Date	Drawn	Chkd.	JOB No.
11-3-2017	RLS		13305343
		Dwg. No.	R-001

DATE	BY	APP'D
11-7-25		
DRAWN BY:		
ACAD 25		
DESIGNED BY:		
TCP		
CHECKED BY:		
TCP		
VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT - SECTION 5B DETAIL SHEET		
SPARKS		
WASHOE		
NEVADA		
885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431 (775) 359-3603 FAX: 775-359-3604 WWW.OYDSEYENGINEERING.COM		
OYDSEY ENGINEERING INCORPORATED		
PROFESSIONAL ENGINEER STATE OF NEVADA TRAVIS C. PAGE Exp. 12-31-25 No. 28825 11-11-25		
SCALE		
HORIZ. -		
VERT. -		
JOB NO.		
-		
SHEET		
D-4		
OF		
9		