CITY OF SPRINGFIELD
DEVELOPMENT & PUBLIC WORKS

Project P21114
Virginia - Daisy Bikeway - PHASE 1A

PAVING, ADA RAMPS, RAISED CROSSWALKS, SIDEWALKS, STORM DRAINAGE, TREE WELLS, LANDSCAPING, MEDIANS AND PAVEMENT MARKING

SHEET INDEX

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F1-F6	PLAN SHEETS
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J1-J39	RAMP DETAILS
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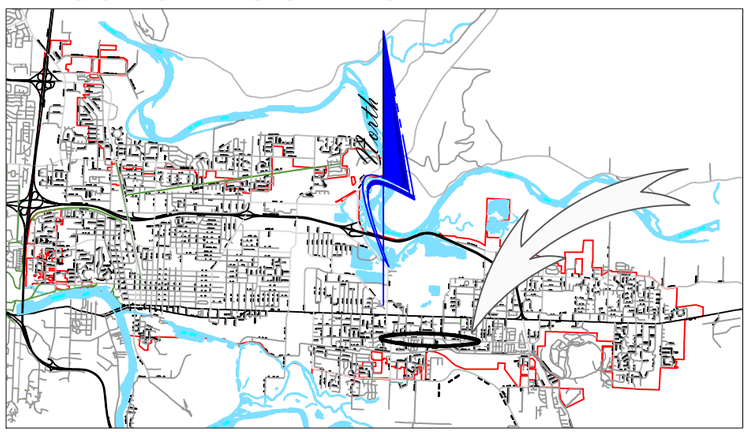
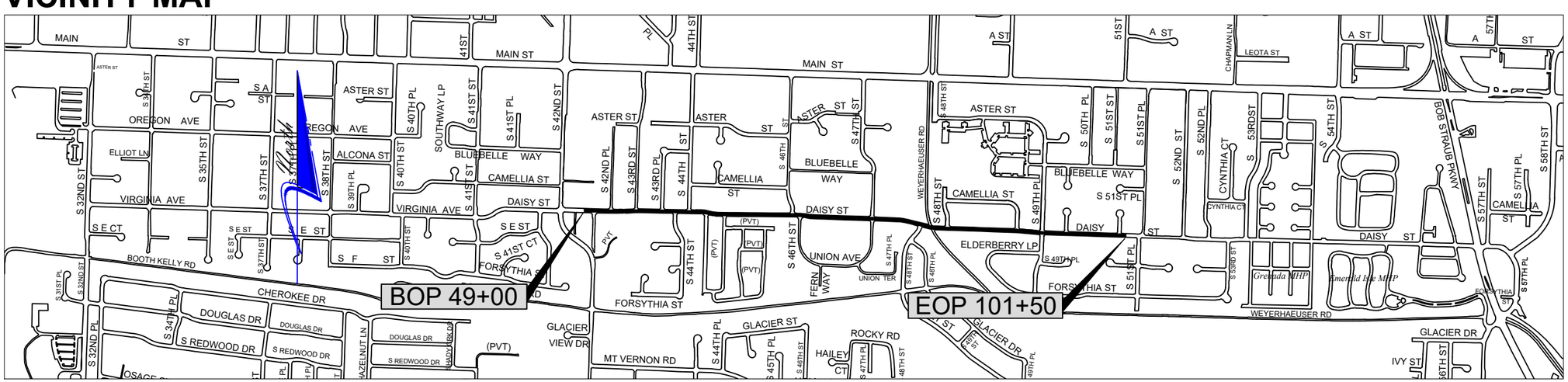
Q1-Q2	EROSION & SEDIMENT CONTROL
S1-S6	PAVEMENT MARKING & SIGNAGE
T1-T4	TEMPORARY TRAFFIC CONTROL

PROJECT LOCATION



VICINITY MAP



No.	Revision/Issue	Date

NOTE:

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811 or (1-800-332-2344)

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Virginia-Daisy Bikeway - PHASE 1A

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

TITLE SHEET

NO SCALE

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET A1 OF 105

February 27, 2020

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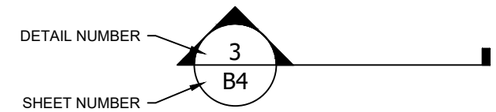
THESE STANDARD DRAWINGS APPLY TO THIS PROJECT:

2-1	3-19	5-18	RD759
2-2	3-21	5-21	TM500
3-1	3-24	RD700	TM503
3-5	3-30	RD705	TM530
3-7	4-1A	RD706	TM844
3-8	4-9	RD754	TM850
3-9	4-11	RD755	DET4560
3-10	4-16	RD756	SUB W1.16.1
3-12	4-17		

SECTION AND DETAIL DESIGNATIONS

SECTION DESIGNATIONS



DETAIL DESIGNATIONS

ABBREVIATIONS

ABAN	ABANDON(ED)	DR	DRIVE	ID	INSIDE DIAMETER	R	RADIUS
ACP	ASPHALTIC CONCRETE PAVEMENT	DWG	DRAWING	IE	INVERT ELEVATION	RCP	REINFORCED CONCRETE PIPE
ADA	AMERICANS WITH DISABILITIES ACT	DWY	DRIVEWAY	IN	INCH	RD	ROAD
AGG	AGGREGATE	EA	EACH	LAT	LATERAL	REINF	REINFORCE(D)(ING)(MENT)
AL	ALUMINUM	EDOP	EDGE OF PAVEMENT	LDAP	LAND DRAINAGE & ALTERATION PERMIT	REQ'D	REQUIRED
APPROX	APPROXIMATELY	EG	EXISTING GRADE	LF	LINEAL FEET	RESTR	RESTRAINED
APPVD	APPROVED	EL	ELEVATION	LP	LOW PRESSURE	ROW	RIGHT-OF-WAY
ARV	AIR RELEASE VALVE	ELEC/E	ELECTRICAL	MATL(S)	MATERIALS	SF/SQ FT	SQUARE FEET
ASSY	ASSEMBLY	EOP	END OF PROJECT	MAX	MAXIMUM	S/W	SIDEWALK
BLDG	BUILDING	EQ	EQUAL	MFR(S)	MANUFACTURER(S)	SCHED	SCHEDULE
BM	BENCHMARK	EQUIP	EQUIPMENT	MH(S)	MANHOLE(S)	SD	STORM DRAIN
BO	BLOWOFF	ESMT	EASEMENT	MHSD	MANHOLE STORM DRAIN	SERV	SERVICE
BOP	BEGINNING OF PROJECT	EX/EXTG	EXISTING	MHSS	MANHOLE SANITARY SEWER	SHT(S)	SHEET(S)
BTM	BOTTOM	EXP	EXPIRED	MIN	MINIMUM	SL	SLOPE
C/G	CURB & GUTTER	FAB	FABRICATE	MJ	MECHANICAL JOINT	SPECS	SPECIFICATIONS
C/L or CL	CENTER LINE	FD	FLOOR DRAIN	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	SQ	SQUARE
CB	CATCH BASIN	FH	FIRE HYDRANT	NO	NUMBER	SS	SANITARY SEWER
CCP	CONCRETE CULVERT PIPE	FIN GR	FINISHED GRADE	NTS	NOT TO SCALE	SST	STAINLESS STEEL
CFFL	CURB FACE FLOW LINE	FL	FLOW LINE	OC	ON CENTER	ST	STREET
CI	CURB INLET	FLG	FLANGE(D)	OD	OUTSIDE DIAMETER	STA	STATION
CL	CLASS	FM	FORCE MAIN	ODOT	OREGON DEPARTMENT OF TRANSPORTATION	STD	STANDARD
CO	CLEANOUT	FOG	FACE OF GUTTER	OVHD	OVERHEAD UTILITY	STL	STEEL
CONC/CON	CONCRETE	FT	FOOT	P	POWER	SUB	SPRINGFIELD UTILITY BOARD
CONST	CONSTRUCTION	FTG	FITTING	P/L	PROPERTY LINE	SY	SQUARE YARD
COP	COPPER	G	GAS	PCCP	PORTLAND CEMENT CONCRETE PAVEMENT	TB	THRUST BLOCK
COS	CITY OF SPRINGFIELD	GALV	GALVANIZED	PERM	PERMANENT	TBOC	TOP BACK OF CURB
CPLG	COUPLING	GAL	GALLON	POLY	POLYETHYLENE	TBOS	TOP BACK OF SIDEWALK
CR	CRUSHED ROCK	GR	GRADE	PRESS	PRESSURE	TEL/T	TELEPHONE
CV	CHECK VALVE	GRVL	GRAVEL	PROP	PROPOSED	TEMP	TEMPORARY
CY	CUBIC YARD	GV	GATE VALVE	PS	PUMP STATION	TFC	TOP FACE OF CURB
D	DRAIN	HMAC	HOT MIX ASPHALTIC CONCRETE	PUGD	UNDERGROUND POWER	TYP	TYPICAL
DET	DETAIL	HORIZ	HORIZONTAL	PV	PLUG VALVE	VERT	VERTICAL(LY)
DI	DUCTILE IRON	HP	HIGH PRESSURE	PVC	POLYVINYL CHLORIDE	W	WATER
DIA	DIAMETER	HWY	HIGHWAY	PVMT	PAVEMENT	WM	WATER METER

LEGEND

RIGHT OF WAY (ROW) LINE — ROW — ROW
GAS LINE — G — G
FIBER OPTIC (NO. OF CABLES) — FO
WATER LINE — W
POWER (ELECTRIC) — E
STORM SEWER (STATE) — ST
SANITARY SEWER (EXISTING) — WW
OVERHEAD UTILITIES — OHU — OHU
SANITARY SEWER (NEW)
SAWCUT LINE
ACP OVERLAY LIMITS
GAS VALVE
WATER VALVE
FIRE HYDRANT
WATER METER
UTILITY BOX
POWER POLE
STREET LIGHT
CATCH BASIN EXISTING
CURB INLET NEW
STORM MANHOLE (NEW) — SD
SANITARY MANHOLE (EXISTING) — SS
SANITARY MANHOLE (NEW) — SS
TREE EXISTING
TREE NEW
STORM AREA DRAIN (NEW)
MAIL BOX — MB
STUMP TO BE GROUND

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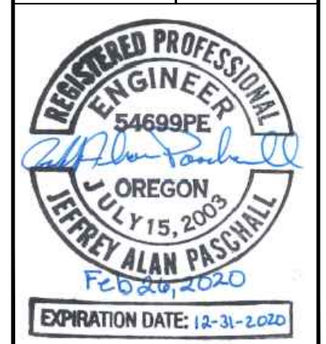


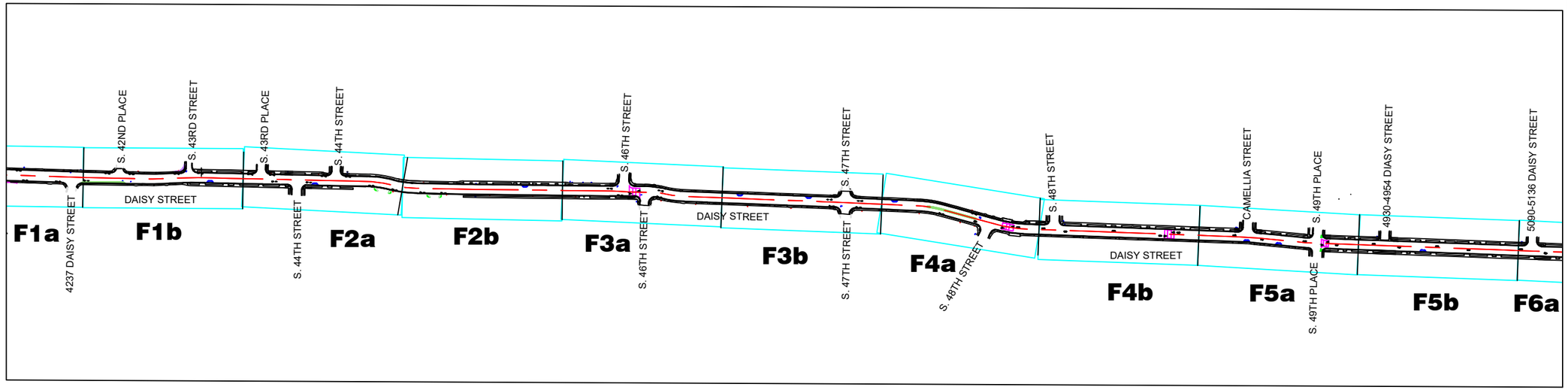
LEGENDS/ABBREVIATIONS

NO SCALE

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET A2 OF 105

February 27, 2020



North

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
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EXPIRATION DATE: 12-31-2020

LAYOUT

NO SCALE

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET A3 OF 105

February 27, 2020

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GENERAL CONSTRUCTION NOTES:

GENERAL CONSTRUCTION NOTES

A. ALL MATERIALS AND WORKMANSHIP WITHIN THE PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENTS SHALL MEET STANDARD SPECIFICATIONS FOR CONSTRUCTION, AS SPECIFIED IN SECTION 'A' OF THE SPECIAL PROVISIONS IN ADDITION TO ALL OTHER SPECIFICATIONS REFERENCED OR INCLUDED, AND IN ADDITION TO THESE PLANS.

B. OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0100. THE CONTRACTOR MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (800) 332-2344 OR 811.

C. LOCATION AND/OR DEPTH OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE. ALL UTILITIES MAY NOT APPEAR ON PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR UNDERGROUND LOCATION OF FACILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATING OR "POTHOLING". THE "ONE-CALL" NUMBER (800) 332-2344 OR 811.

D. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH UTILITY COMPANIES ON THE TIMING OF INSTALLATION OF THEIR FACILITIES.

E. ALL SANITARY AND STORM SEWER CONNECTIONS TO EXISTING CITY OWNED FACILITIES (PIPE, CATCH BASINS, MANHOLES, ETC.) SHALL BE INSPECTED BY THE CONTRACTOR AND THE CITY'S DEVELOPMENT AND PUBLIC WORKS OPERATIONS DEPARTMENT PRIOR TO HOOK UP. CONTACT OPERATIONS AT (541-726-3761) OR CITY CONSTRUCTION INSPECTOR NO LESS THAN 48 HOURS PRIOR TO DESIRED INSPECTION TIME.

F. WHERE CONNECTING TO AN EXISTING PIPE. THE CONTRACTOR SHALL EXPOSE THE END OF THE EXISTING PIPE AND ALLOW THE ENGINEER TO VERIFY EXACT LOCATION AND ELEVATION, CONDITION, AND POSITIVE FLOW BEFORE LAYING ANY NEW PIPE ON THAT SYSTEM.

G. THE SEWER GRADE SHALL BE PER THE PLANS SPECIFICATIONS AND WITH THE MINIMUM COVER AS SHOWN ON THE PLANS

H. THE CONTRACTOR SHALL INTERNALLY TELEVISION INSPECT THE SEWER AFTER ALL BACKFILL AND BEFORE THE FINAL LIFT OF ASPHALT PAVING. THE CONTRACTOR SHALL SUPPLY THE CITY WITH A WRITTEN T.V. REPORT AND VIDEO TAPE OR DVD FOR CITY APPROVAL AT LEAST 2 WORKING DAYS BEFORE THE PRE-PAVING MEETING.

I. CONTRACTOR TO SCHEDULE A PRE-PAVING CONFERENCE 24 HOURS PRIOR TO PAVING. CONTACT THE CONSTRUCTION INSPECTOR.

J. ALL JOINTS BETWEEN EXISTING and NEW ASPHALT PAVING SHALL BE SEALED WITH POLYMERIZED ASPHALT AND SANDED TO PREVENT PICK UP.

K. COMPACTION REQUIREMENTS:

LAYER	RATE	TEST
SUBGRADE	95%	T99
CRUSHED ROCK	95%	T180
ASPHALT (LOCAL)	90%	RICE
ASPHALT (COLLECTOR/ARTERIAL)	92%	RICE

L. CONCRETE COMPRESSIVE STRENGTH REQUIREMENTS (PSI):

CONCRETE USE	FIELD	LABORATORY
SIDEWALK/ADA RAMPS	3000	3450
CURBS/GUTTERS	3500	4025
DRIVEWAYS	3500	4025
PAVEMENT	4000	4600

M. THIS PROJECT SHALL COMPLY WITH THE AMERICAN DISABILITIES ACT REQUIREMENTS SUCH AS INCORPORATION OF DESIGN CRITERIA FOR RAMPS, MAXIMUM PROFILE AND CROSS SECTION SLOPES FOR SIDEWALKS, UPGRADING EXISTING FACILITIES WHERE MAJOR CONSTRUCTION IS OCCURRING, AND BUILDING WARNING FOR OBJECTS IN SIDEWALK SUCH AS CURBING OR LANDSCAPING AROUND MAILBOXES.

N. CONTRACTOR IS RESPONSIBLE TO OBTAIN APPLICABLE PERMITS FROM OTHER AGENCIES WITH JURISDICTIONS SUCH AS LANE COUNTY, OREGON DEPARTMENT OF TRANSPORTATION, OREGON DIVISION OF STATE LANDS, THE ARMY CORPS OF ENGINEERS, OR THE DEPARTMENT OF ENVIRONMENTAL QUALITY.

O. ALL IMPROVEMENTS THAT WILL BE PRIVATELY OWNED AND MAINTAINED WILL BE BOUND BY THE CURRENT REQUIREMENTS OF THE STATE OF OREGON STRUCTURAL SPECIALTY CODE, PLUMBING SPECIALTY CODE, AND/OR CITY OF SPRINGFIELD BUILDING DIVISION REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO OBTAIN APPLICABLE PERMITS FROM OTHER CITY DEPARTMENTS PRIOR TO DOING PRIVATE WORK.

P. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. SEE EROSION CONTROL PLAN.

Q. STREET TREES: ONLY STREET TREES WITH A MINIMUM TRUNK CALIPER OF 2 IN. MEASURED 6 IN. ABOVE THE ROOT STEM SHALL BE SELECTED FOR PLANTING.

R. A PRE-CONSTRUCTION CONFERENCE IS REQUIRED BEFORE START OF CONSTRUCTION. ALL UTILITIES, CONTRACTORS and CITY REPRESENTATIVES SHALL HAVE RECEIVED THE FINAL APPROVED PLANS AT LEAST 5 WORKING DAYS PRIOR TO THE PRE CONSTRUCTION CONFERENCE.

S. THE ENGINEER AND/OR CITY HAVE THE RIGHT TO REQUIRE ADDITIONAL WORK NOT SHOWN HEREIN BUT NECESSARY FOR THE SUCCESSFUL COMPLETION OF THE PROJECT. STD.SPEC. 104.08.

T. REQUESTS BY THE CONTRACTOR FOR CHANGES SHALL BE APPROVED BY THE ENGINEER AND THE CITY IN WRITING PRIOR TO IMPLEMENTATION.

U. CONTRACTOR SHALL BE AWARE IF PAVING IS NOT SCHEDULED OR DOES NOT OCCUR PRIOR TO OCTOBER 15TH, WET WEATHER PROVISIONS INCLUDING ADDITIONAL ROCK SUBSTRUCTURE AND GEOTEXTILE FABRIC SHALL USED. REFER TO STANDARD SPECIFICATION SECTION 301.1.01 AND THE TYPICAL CROSS SECTIONS CONTAINED HEREIN FOR DETAILS.

V. THE CONTRACTOR SHALL VERIFY EACH EXISTING SANITARY AND STORM CONNECTION.

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GEN. CONSTRUCTION NOTES

NO SCALE

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
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SHEET A4 OF 105

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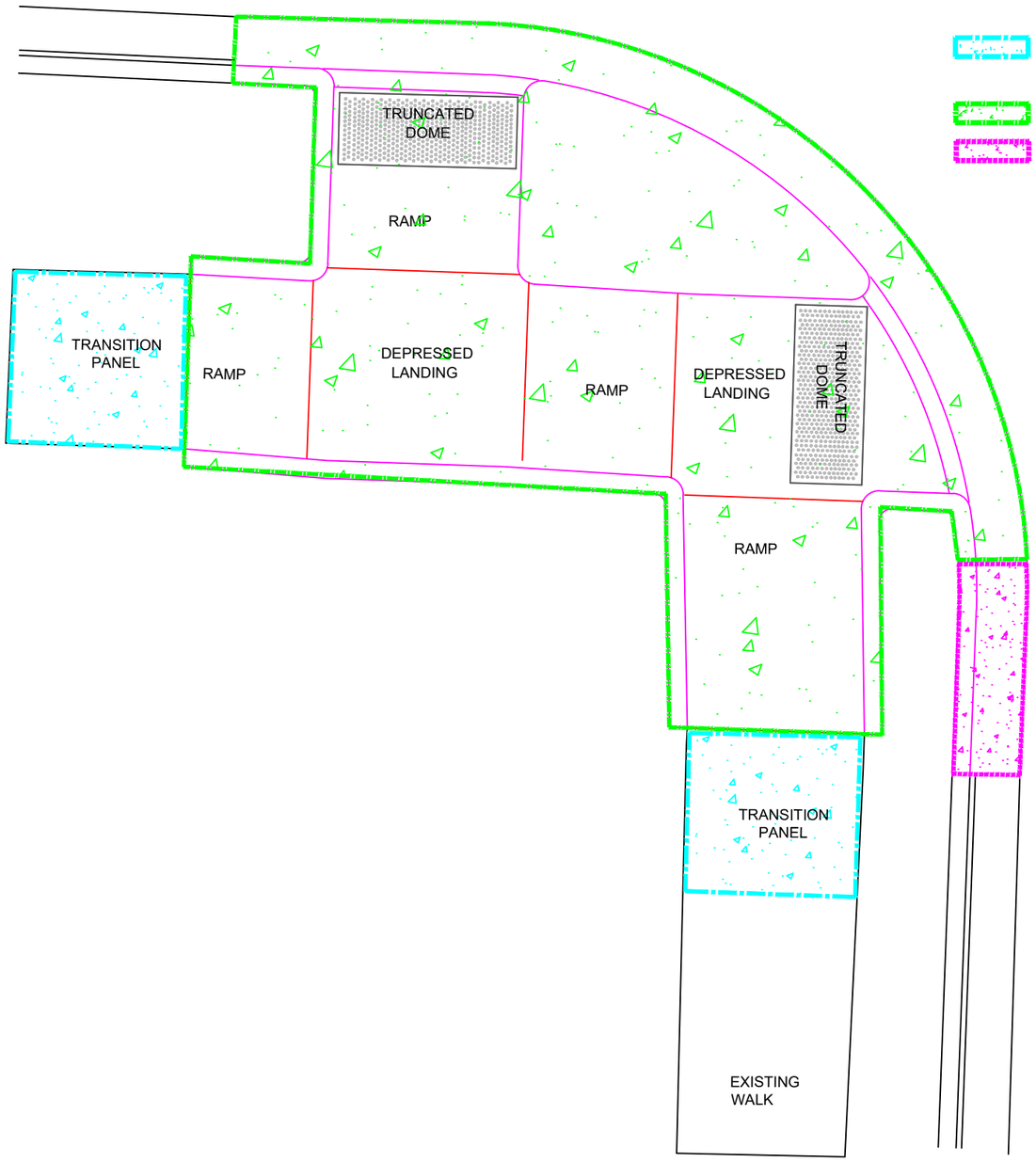

4-INCH CONCRETE SIDEWALK/TRANSITION PANEL PAY LIMIT BOUNDARY

CONCRETE ADA RAMP PAY LIMIT BOUNDARY

CONCRETE CURB AND GUTTER PAY LIMIT BOUNDARY

North

PAY LIMIT BOUNDARIES

NOT FOR CONSTRUCTION

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PAY LIMITS

NO SCALE	SHEET A5 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
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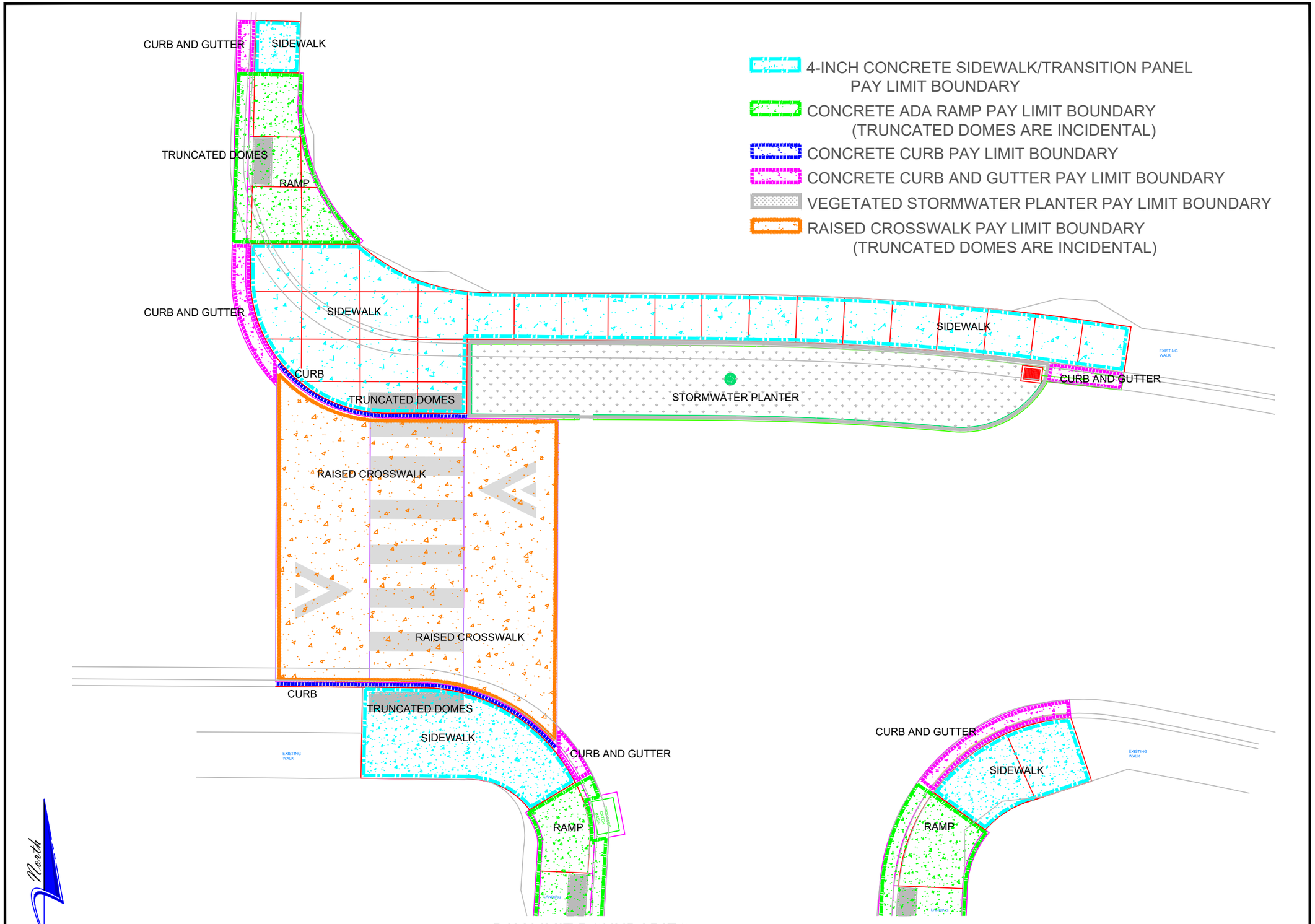

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PAY LIMITS

NO SCALE	SHEET A6 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
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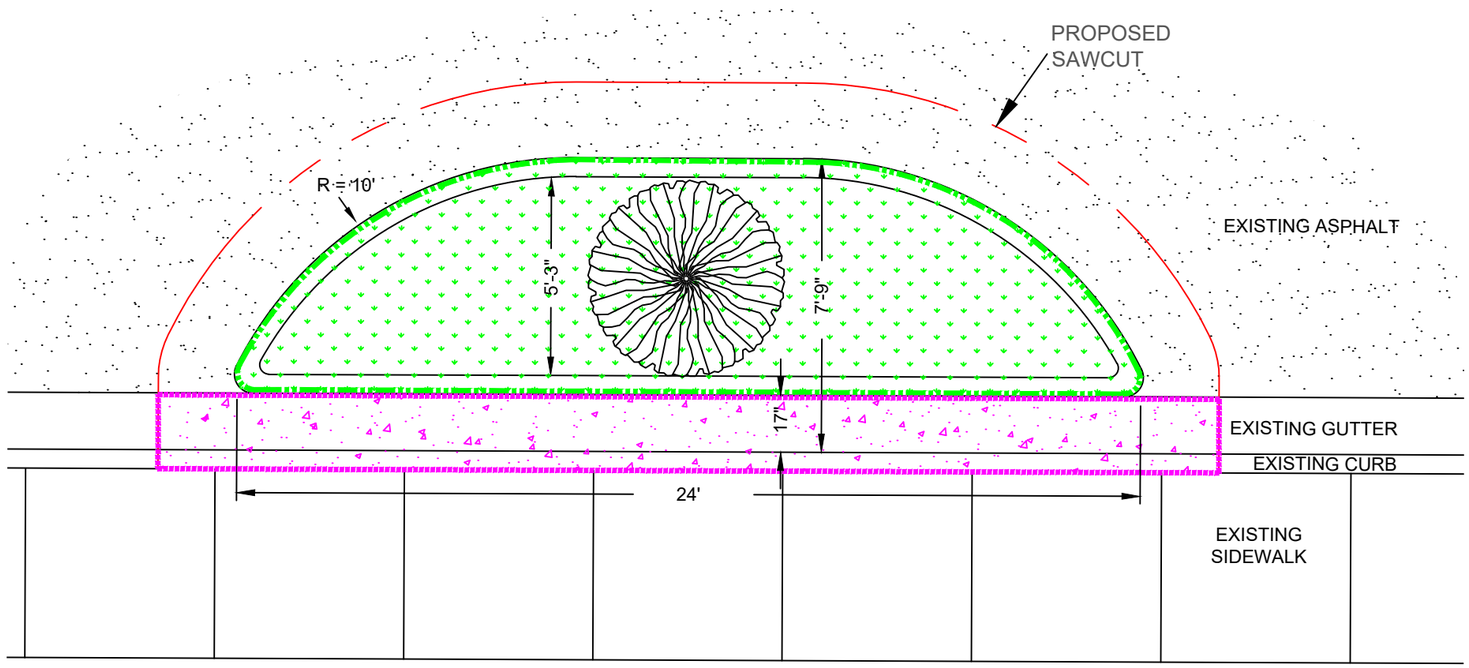
TREE WELL PAY LIMIT BOUNDARY

CONCRETE CURB AND GUTTER PAY LIMIT BOUNDARY



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PAY LIMITS

NO SCALE

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SHEET A7 OF 105

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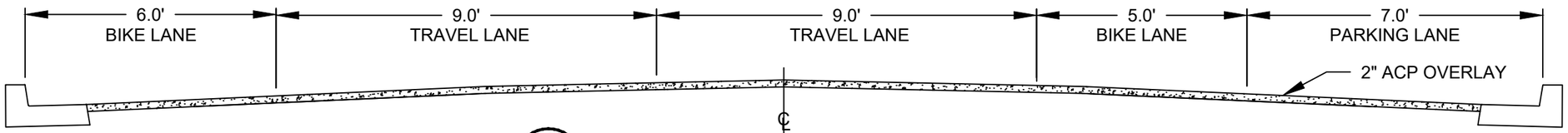
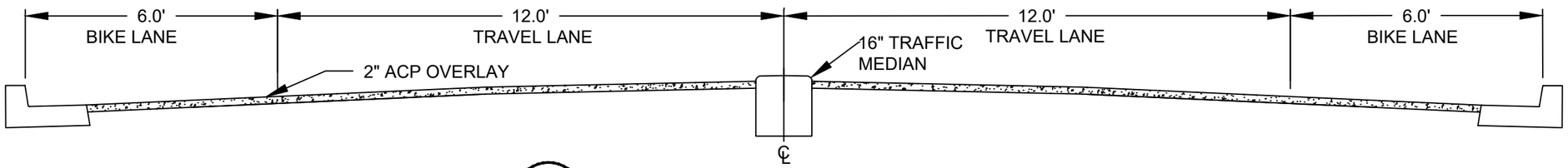


1 / B1 DAISY STREET ASPHALT OVERLAY

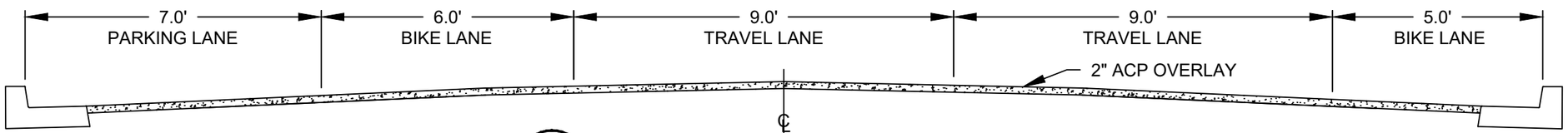
STA 50+30 to STA 59+30



2 / B1 DAISY STREET ASPHALT OVERLAY

STA 60+00 to STA 62+10

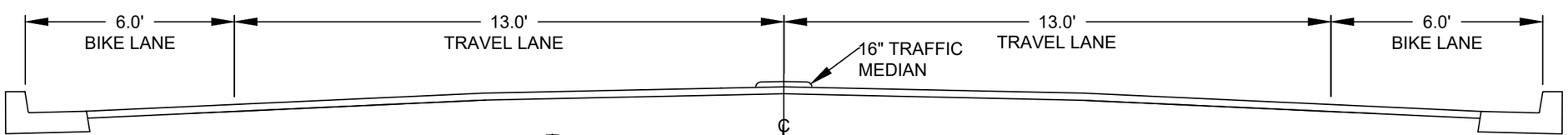
SEE DET 1 SHT B5 FOR TRAFFIC MEDIAN STATIONING AND DETAILS



3 / B1 DAISY STREET ASPHALT OVERLAY

STA 63+20 to STA 78+90

ASPHALT OVERLAY ENDS AT STA 68+80

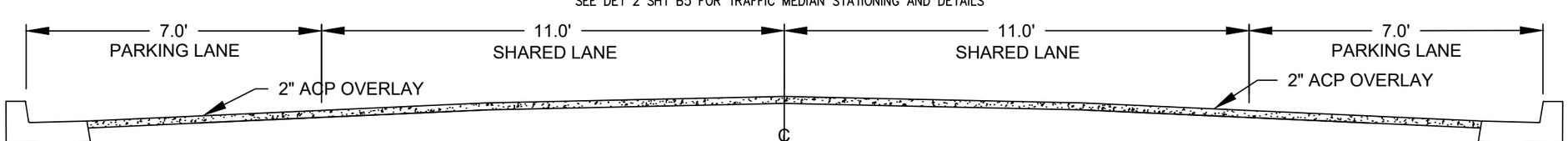


4 / B1 DAISY STREET ASPHALT OVERLAY

STA 79+80 to STA 81+60

CONCRETE SECTION DO NOT OVERLAY

SEE DET 2 SHT B5 FOR TRAFFIC MEDIAN STATIONING AND DETAILS



5 / B1 DAISY STREET ASPHALT OVERLAY

STA 82+30 to STA 101+50

ASHPALT OVERLAY BEGINS AGAIN AT 83+34

No.	Revision/Issue	Date

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield
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INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

TYPICAL SECTIONS

NO SCALE

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET B1 OF 105

February 27, 2020

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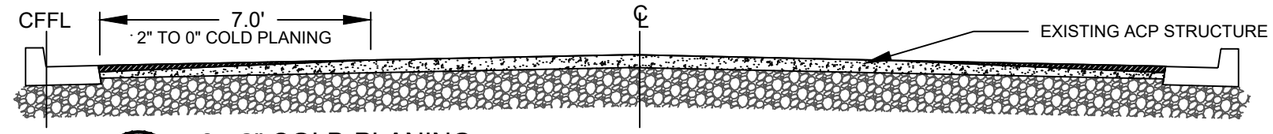
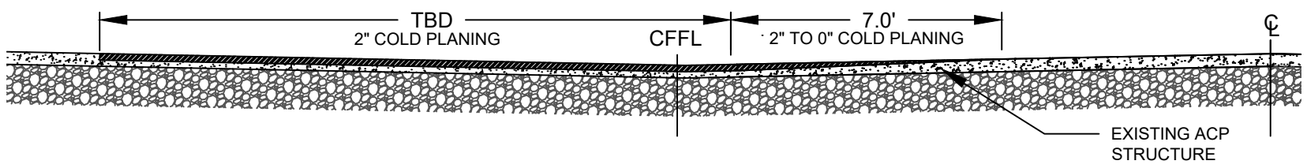


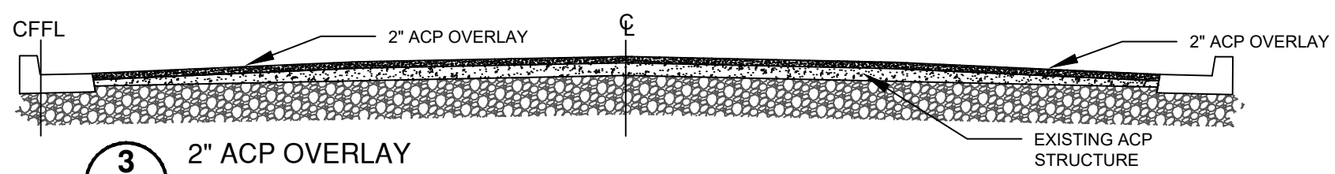
1 / B2 — 0 - 2" COLD PLANING

ALONG EDGE, FULL LENGTH OF ACP OVERLAY SECTIONS



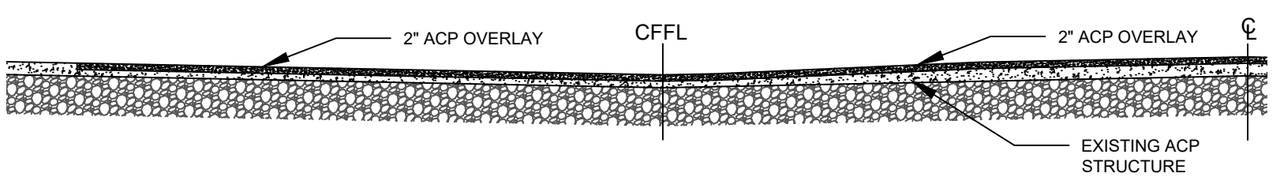
2 / B2 — 2" COLD PLANING AT APPROACHES

CURB TO CURB, FULL WIDTH AT APPROACHES



3 / B2 — 2" ACP OVERLAY

CURB TO CURB, FULL WIDTH ALONG FULL LENGTH OF ACP OVERLAY SECTION



4 / B2 — 2" ACP OVERLAY AT APPROACHES

CURB TO CURB, FULL WIDTH AT APPROACHES

TRANSVERSE PROFILE VIEWS

No.	Revision/Issue	Date

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TYPICAL SECTIONS

NO SCALE

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SHEET B2 OF 105

February 27, 2020

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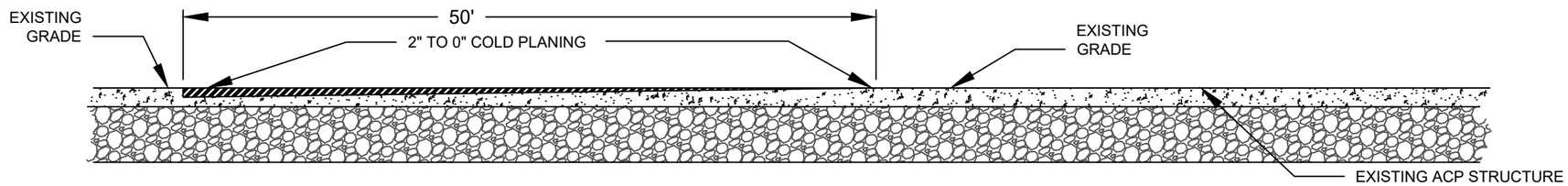
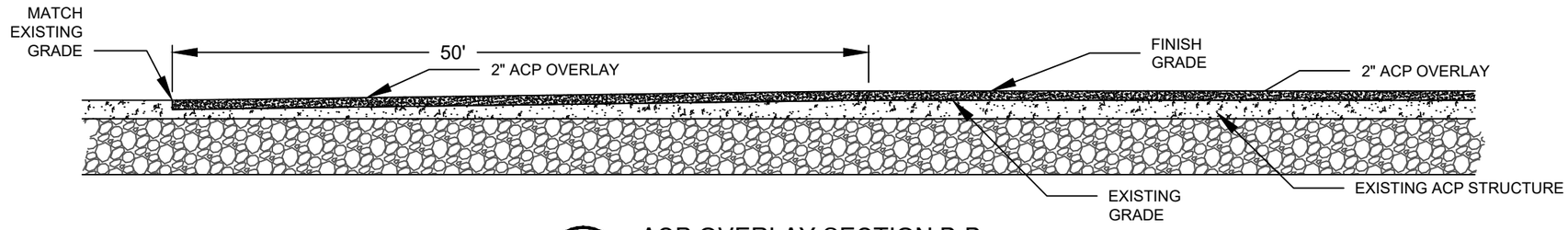


1 / B3 — 2" TO 0" COLD PLANING SECTION B-B

BEGINNING AND END OF ACP AT EACH OVERLAY SECTION



2 / B3 — ACP OVERLAY SECTION B-B

BEGINNING AND END OF ACP AT EACH OVERLAY SECTION

LONGITUDINAL PROFILE VIEWS

No.	Revision/Issue	Date

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Feb 26, 2020
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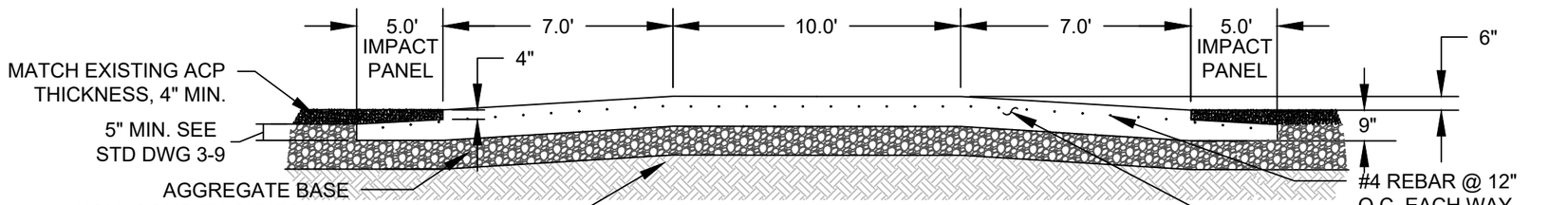
TYPICAL SECTIONS

NO SCALE

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

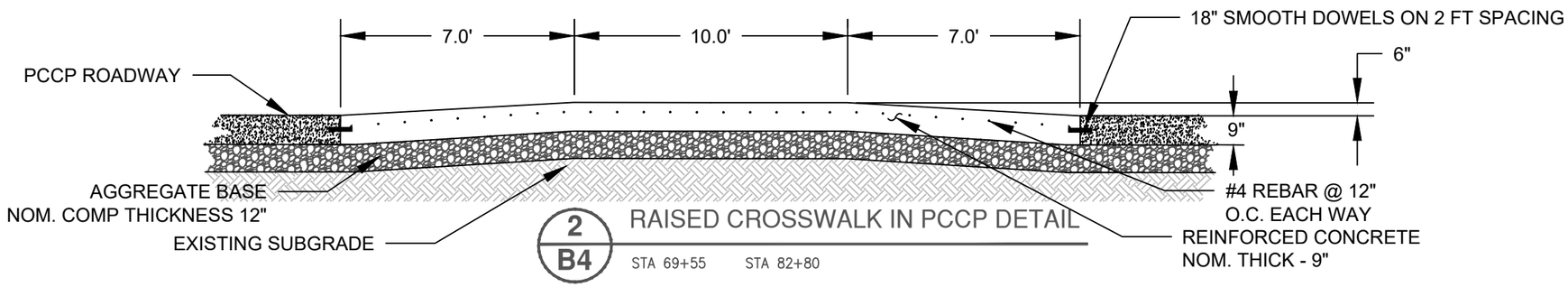
SHEET B3 OF 105

February 27, 2020



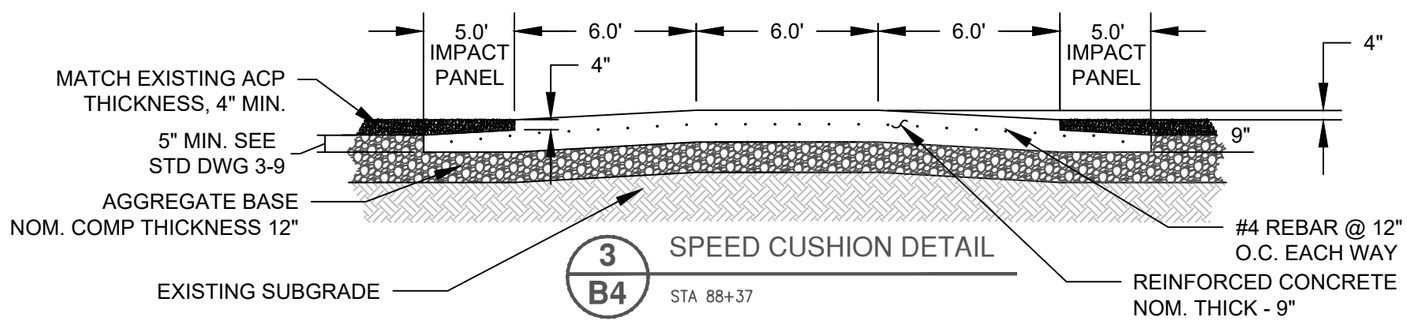
1 / B4 RAISED CROSSWALK IN ACP DETAIL

STA 93+82



2 / B4 RAISED CROSSWALK IN PCCP DETAIL

STA 69+55 STA 82+80



3 / B4 SPEED CUSHION DETAIL

STA 88+37

No.	Revision/Issue	Date

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TYPICAL SECTIONS

NO SCALE

DRAWN BY:	R.WARNER
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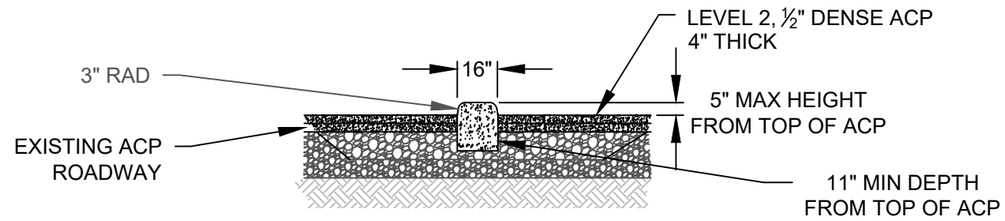
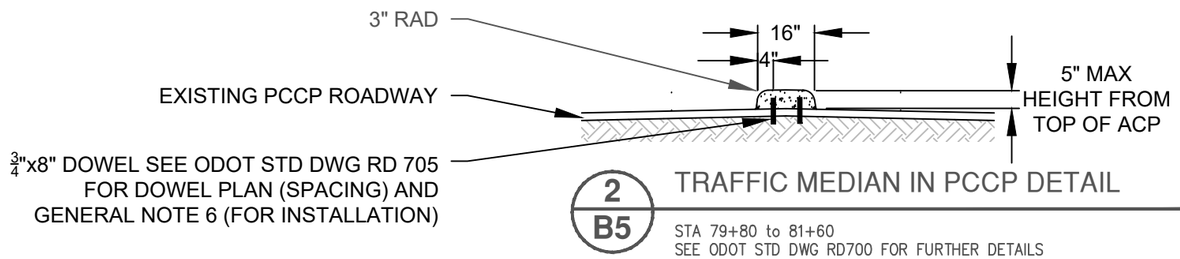
SHEET **B4** OF **105**

February 27, 2020



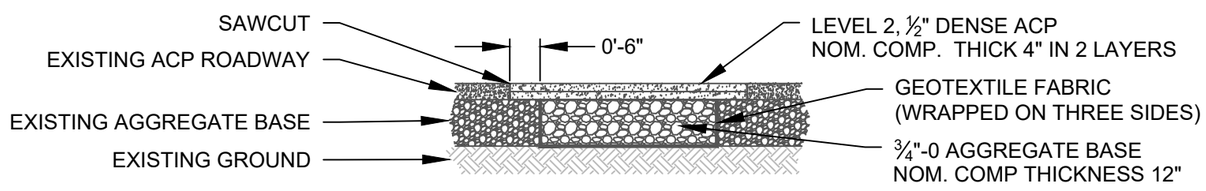
1 / B5 TRAFFIC MEDIAN IN ACP DETAIL

STA 60+13 to 60+64 AND STA 61+00 TO 61+51
SEE ODOT STD DWG RD700 FOR FURTHER DETAILS



2 / B5 TRAFFIC MEDIAN IN PCCP DETAIL

STA 79+80 to 81+60
SEE ODOT STD DWG RD700 FOR FURTHER DETAILS



3 / B5 16" ACP REPAIR

SEE F SHEETS FOR SPECIFIC LOCATIONS

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EXPIRATION DATE: 12-31-2020

TYPICAL SECTIONS

NO SCALE

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET B5 OF 105

February 27, 2020

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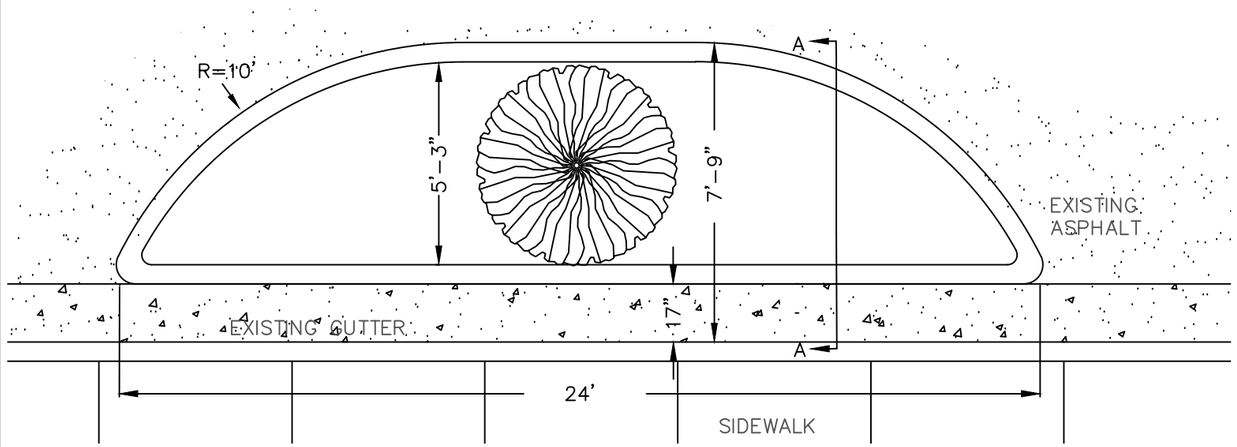
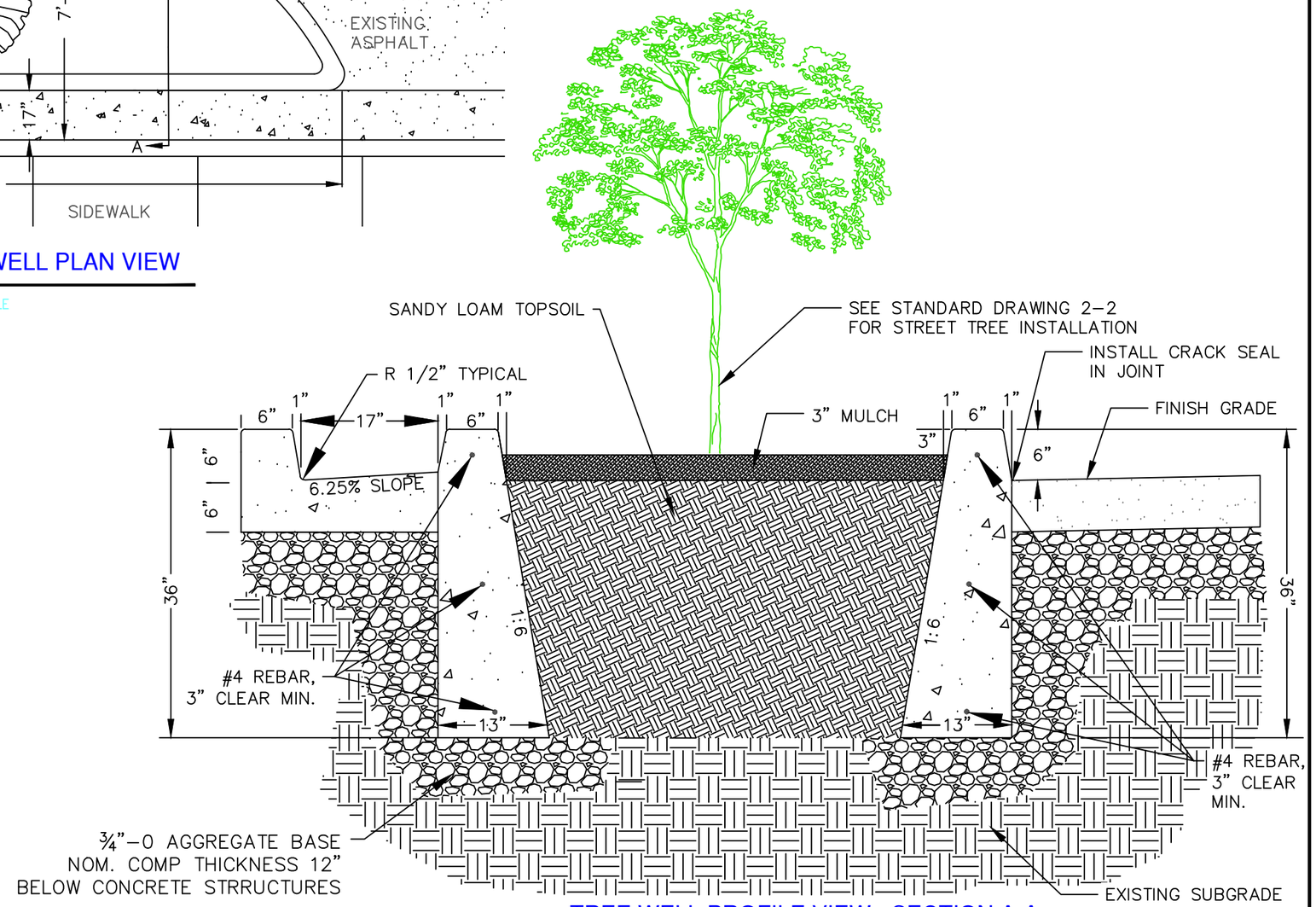


TREE WELL PLAN VIEW

NOT TO SCALE



TREE WELL PROFILE VIEW - SECTION A-A

NOT TO SCALE

No.	Revision/Issue	Date

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OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 20, 2020
EXPIRATION DATE: 12-31-2020

MISC DETAILS

NO SCALE	SHEET E1 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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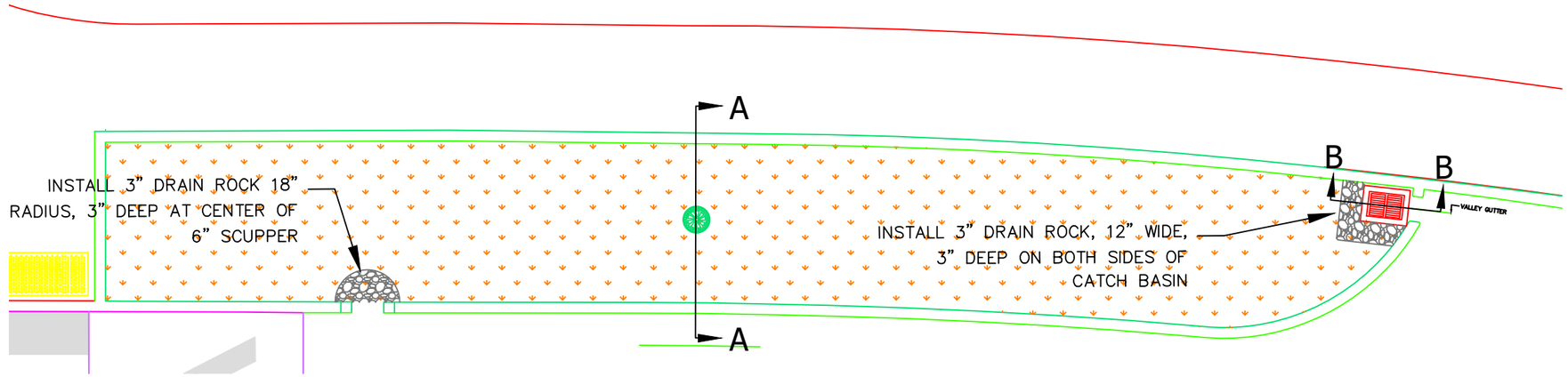
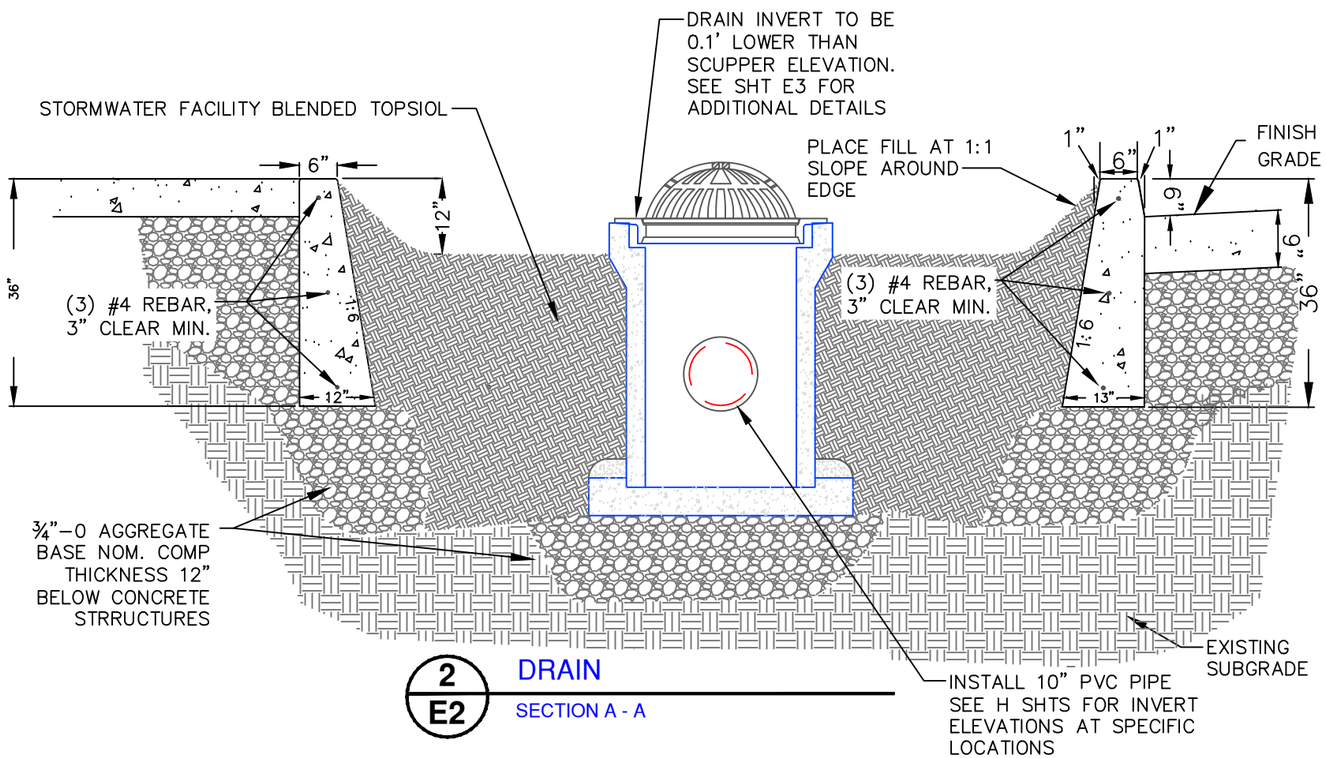
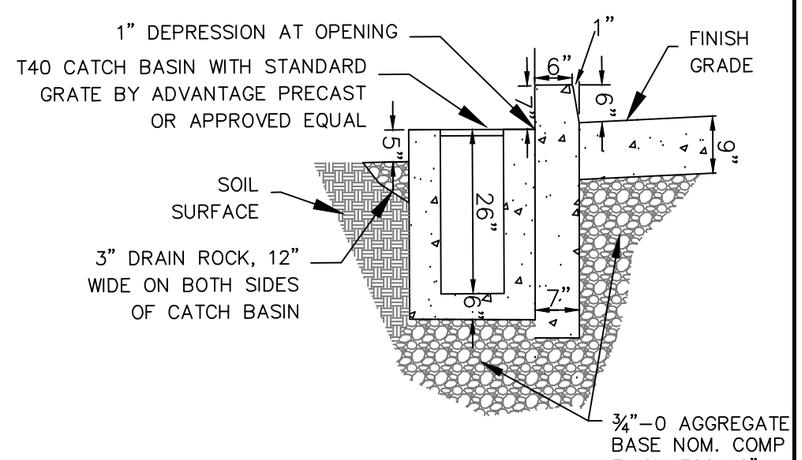


1 / E2 PLAN VIEW



2 / E2 DRAIN

SECTION A - A



3 / E2 CATCH BASIN

SECTION B - B

VEGETATED STORMWATER PLANTER DETAILS

STA 69+90

No.	Revision/Issue	Date

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Feb 20, 2020
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MISC DETAILS

NO SCALE

DRAWN BY: R.WARNER
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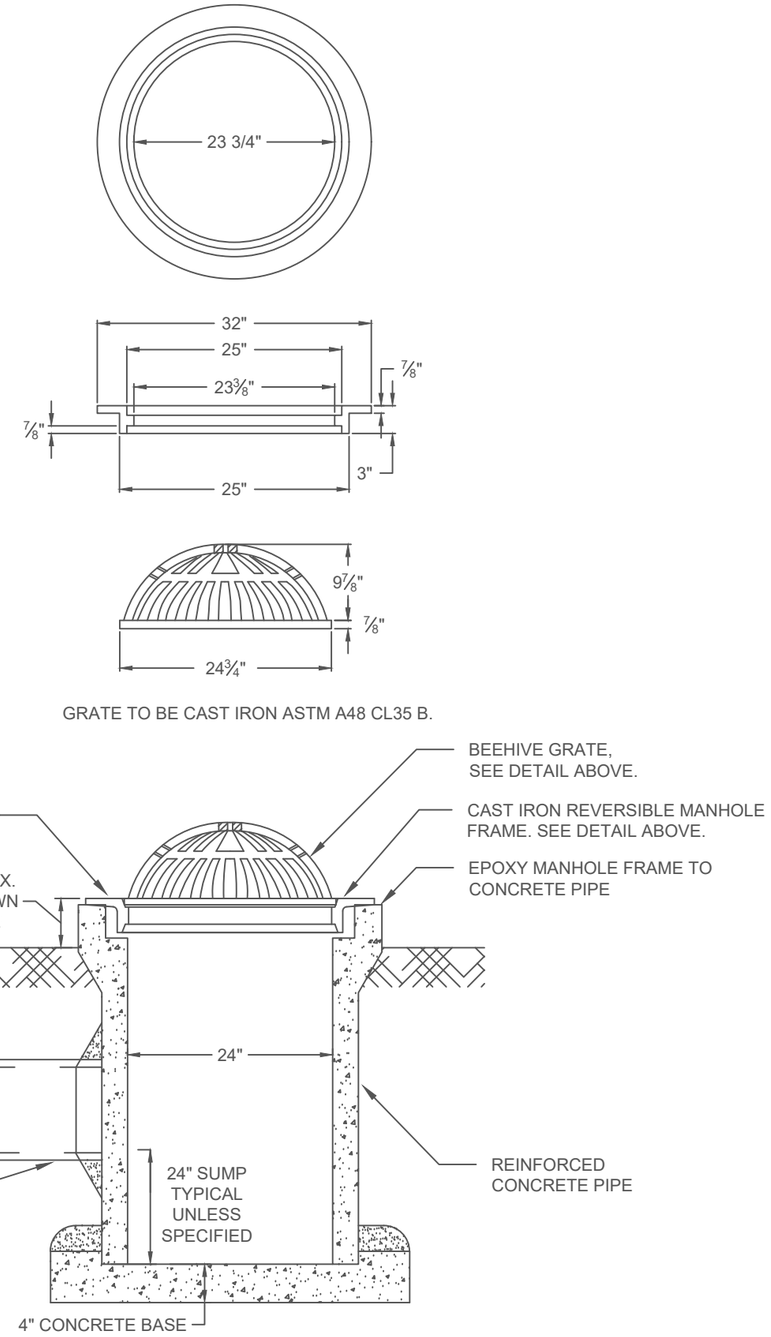
SHEET E2 OF 105



GRATE TO BE CAST IRON ASTM A48 CL35 B.

VEGETATED STORMWATER PLANTER DRAIN DETAILS

No.	Revision/Issue	Date

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EXPIRATION DATE: 12-31-2020

MISC DETAILS

NO SCALE	SHEET E3 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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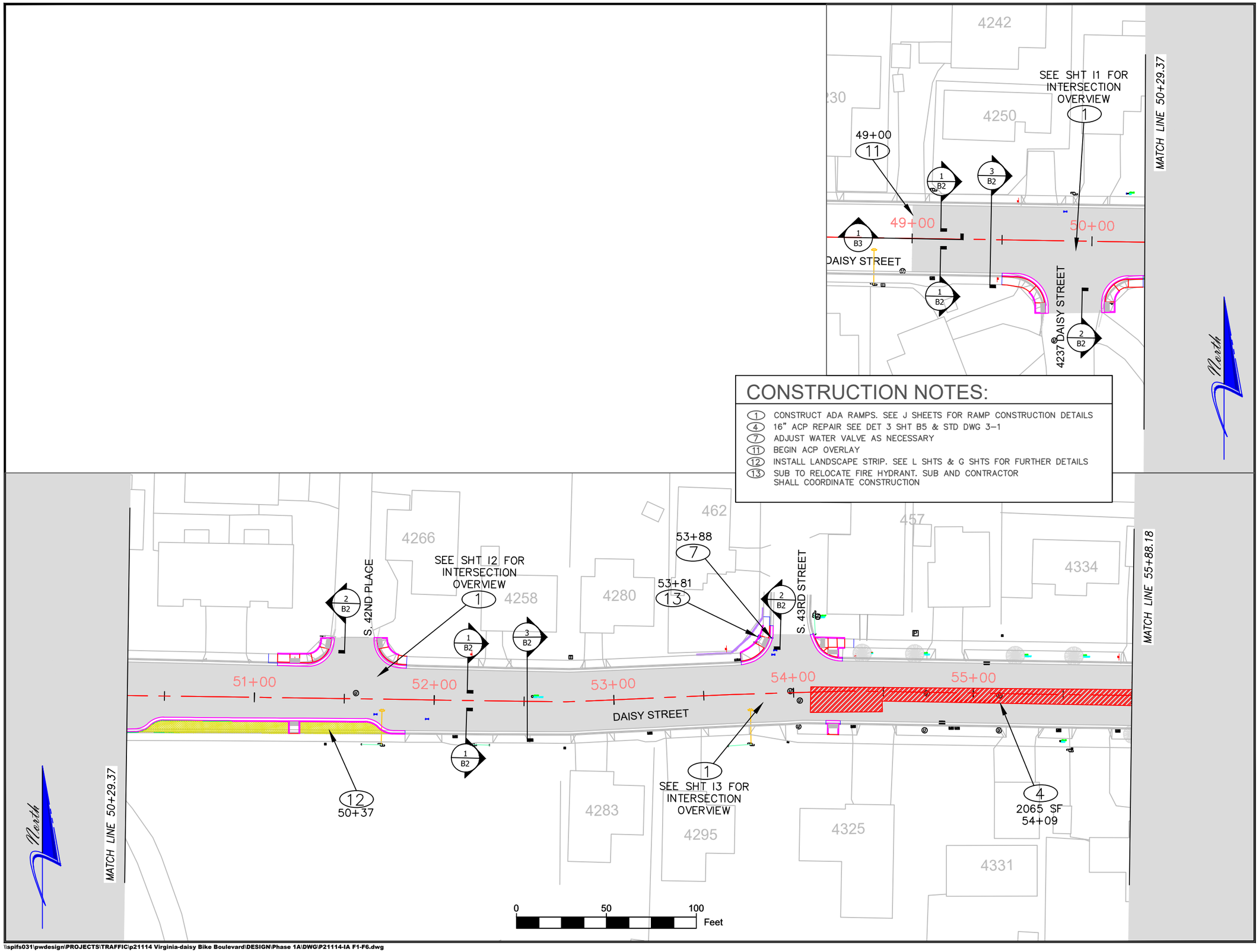

CONSTRUCTION NOTES:

1. CONSTRUCT ADA RAMPS. SEE J SHEETS FOR RAMP CONSTRUCTION DETAILS
4. 16" ACP REPAIR SEE DET 3 SHT B5 & STD DWG 3-1
7. ADJUST WATER VALVE AS NECESSARY
11. BEGIN ACP OVERLAY
12. INSTALL LANDSCAPE STRIP. SEE L SHTS & G SHTS FOR FURTHER DETAILS
13. SUB TO RELOCATE FIRE HYDRANT. SUB AND CONTRACTOR SHALL COORDINATE CONSTRUCTION

No.	Revision/Issue	Date

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JULY 15, 2003
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Feb 26, 2020
EXPIRATION DATE: 12-31-2020

PLAN SHEETS

SCALE: 1" = 50'	SHEET F1 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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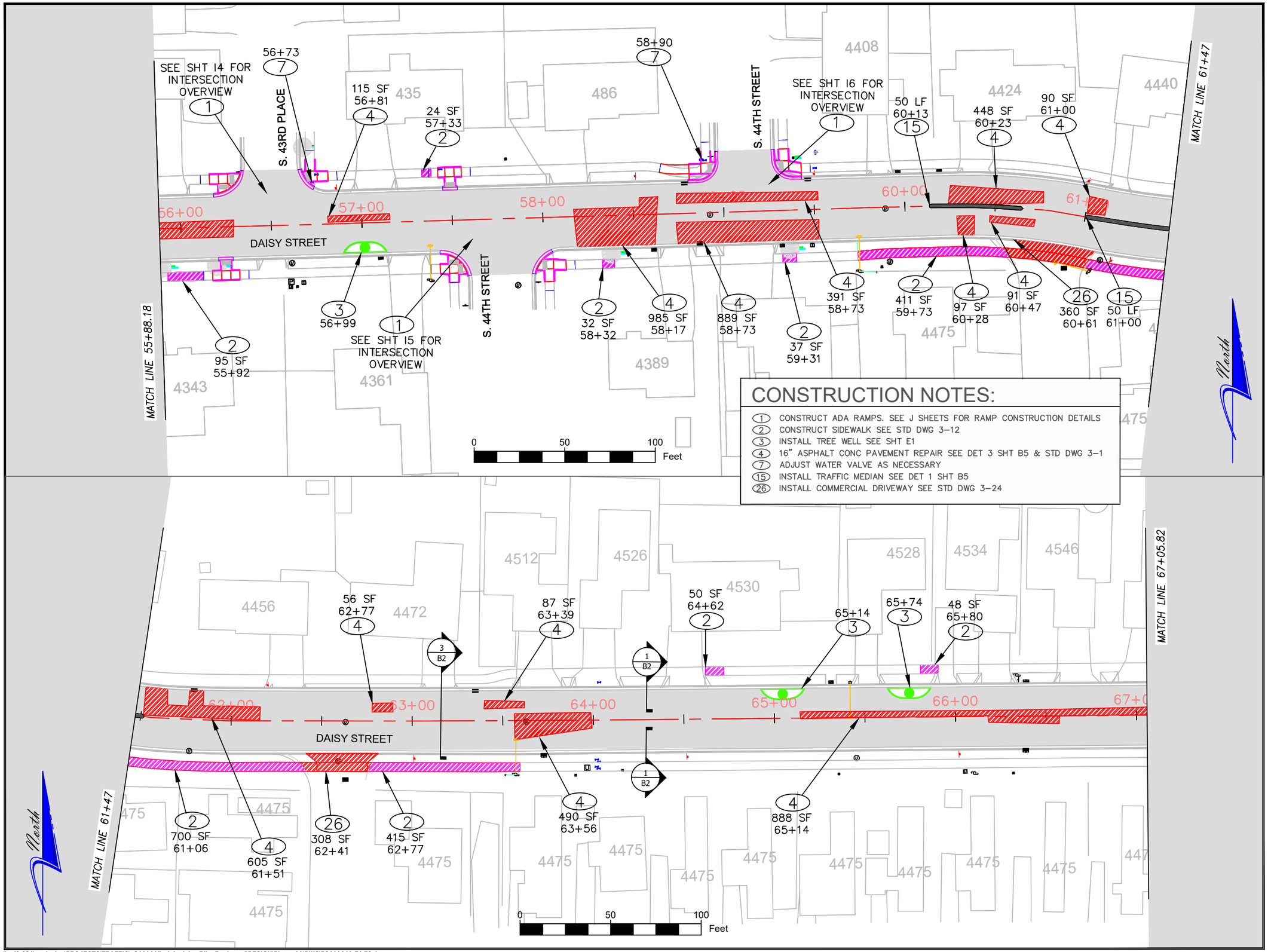

No.	Revision/Issue	Date

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OREGON
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JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

PLAN SHEETS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET F2 OF 105

February 27, 2020

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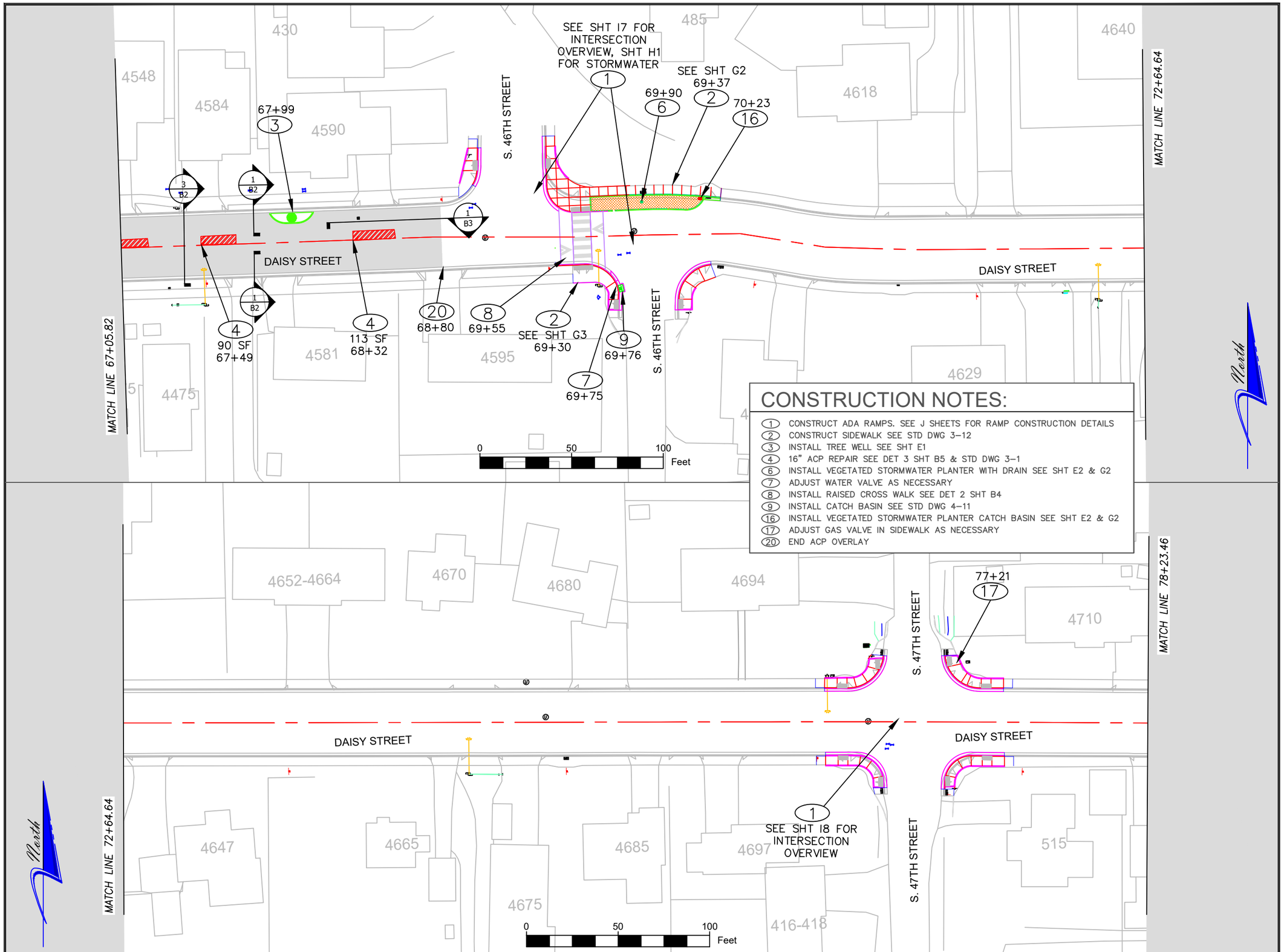

CONSTRUCTION NOTES:

1. CONSTRUCT ADA RAMPS. SEE J SHEETS FOR RAMP CONSTRUCTION DETAILS
2. CONSTRUCT SIDEWALK SEE STD DWG 3–12
3. INSTALL TREE WELL SEE SHT E1
4. 16" ACP REPAIR SEE DET 3 SHT B5 & STD DWG 3–1
6. INSTALL VEGETATED STORMWATER PLANTER WITH DRAIN SEE SHT E2 & G2
7. ADJUST WATER VALVE AS NECESSARY
8. INSTALL RAISED CROSS WALK SEE DET 2 SHT B4
9. INSTALL CATCH BASIN SEE STD DWG 4–11
16. INSTALL VEGETATED STORMWATER PLANTER CATCH BASIN SEE SHT E2 & G2
17. ADJUST GAS VALVE IN SIDEWALK AS NECESSARY
20. END ACP OVERLAY

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

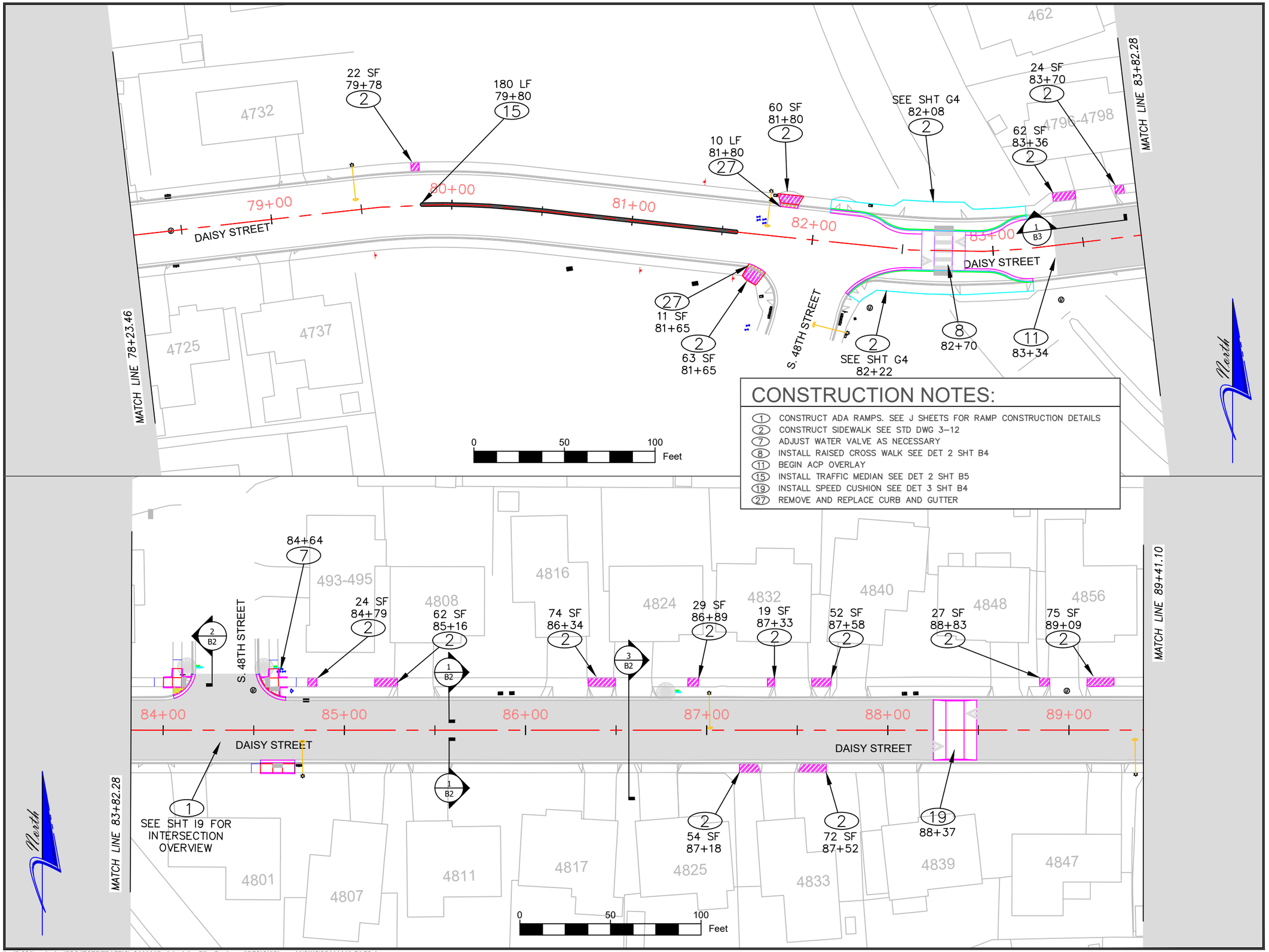
REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

PLAN SHEETS

SCALE: 1" = 50'	SHEET F3 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

\\spifs031\pwdesign\PROJECTS\TRAFFIC\p21114 Virginia-daisy Bike Boulevard\DESIGN\Phase 1A\DWG\P21114-IA F1-F6.dwg



CONSTRUCTION NOTES:

1. CONSTRUCT ADA RAMPS. SEE J SHEETS FOR RAMP CONSTRUCTION DETAILS
2. CONSTRUCT SIDEWALK SEE STD DWG 3–12
7. ADJUST WATER VALVE AS NECESSARY
8. INSTALL RAISED CROSS WALK SEE DET 2 SHT B4
11. BEGIN ACP OVERLAY
15. INSTALL TRAFFIC MEDIAN SEE DET 2 SHT B5
19. INSTALL SPEED CUSHION SEE DET 3 SHT B4
27. REMOVE AND REPLACE CURB AND GUTTER

No.	Revision/Issue	Date

NOTE:

UTILITY LOCATIONS ARE APPROXIMATE
DO NOT
SCALE OR LOCATE UTILITY LINES OR MAINS FROM THESE DRAWINGS
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811 or (1-800-332-2344)

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Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

PLAN SHEETS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET F4 OF 105

February 27, 2020

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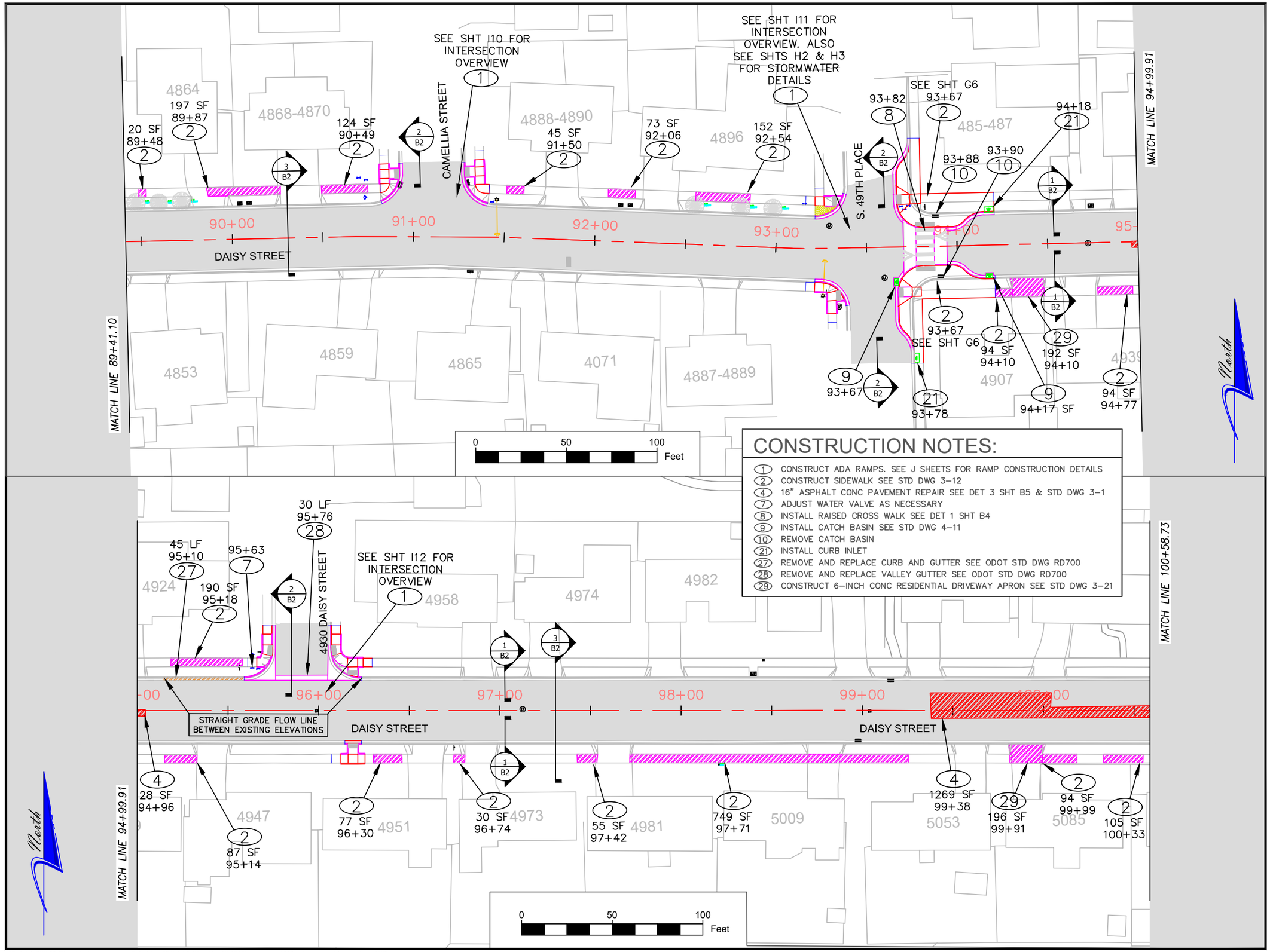

CONSTRUCTION NOTES:

1. CONSTRUCT ADA RAMPS. SEE J SHEETS FOR RAMP CONSTRUCTION DETAILS
2. CONSTRUCT SIDEWALK SEE STD DWG 3–12
4. 16" ASPHALT CONC PAVEMENT REPAIR SEE DET 3 SHT B5 & STD DWG 3–1
7. ADJUST WATER VALVE AS NECESSARY
8. INSTALL RAISED CROSS WALK SEE DET 1 SHT B4
9. INSTALL CATCH BASIN SEE STD DWG 4–11
10. REMOVE CATCH BASIN
21. INSTALL CURB INLET
27. REMOVE AND REPLACE CURB AND GUTTER SEE ODOT STD DWG RD700
28. REMOVE AND REPLACE VALLEY GUTTER SEE ODOT STD DWG RD700
29. CONSTRUCT 6–INCH CONC RESIDENTIAL DRIVEWAY APRON SEE STD DWG 3–21

No.	Revision/Issue	Date

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Virginia-Daisy Bikeway - PHASE 1A

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

PLAN SHEETS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET F5 OF 105

February 27, 2020

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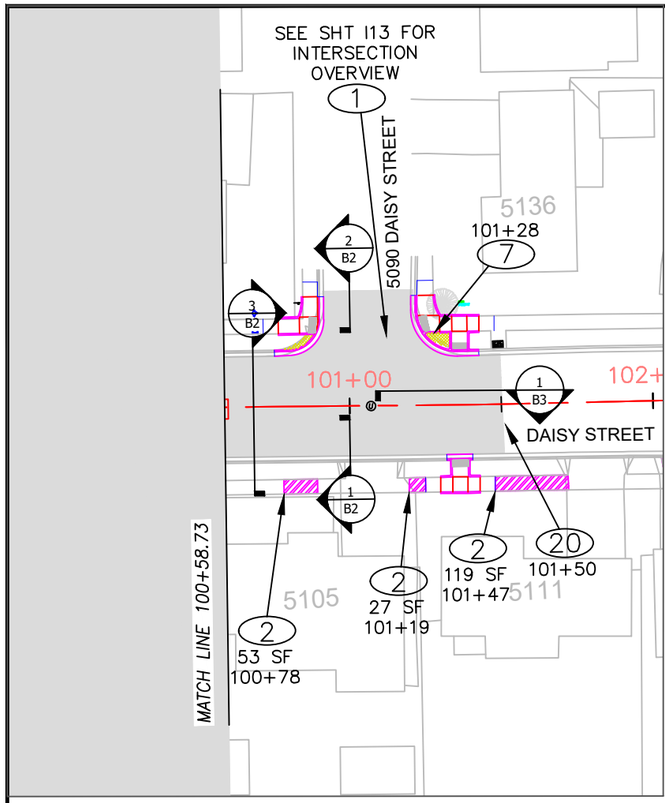

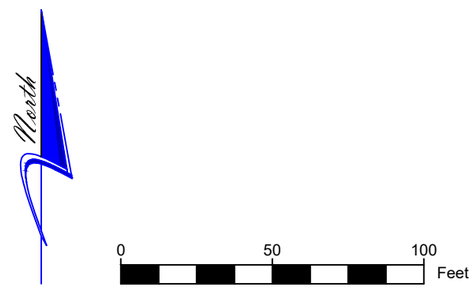

CONSTRUCTION NOTES:

1. CONSTRUCT ADA RAMPS. SEE J SHEETS FOR RAMP CONSTRUCTION DETAILS
2. CONSTRUCT SIDEWALK SEE STD DWG 3-12
7. ADJUST WATER VALVE AS NECESSARY
20. END ACP OVERLAY

No.	Revision/Issue	Date

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 28, 2020
EXPIRATION DATE: 12-31-2020

PLAN SHEETS

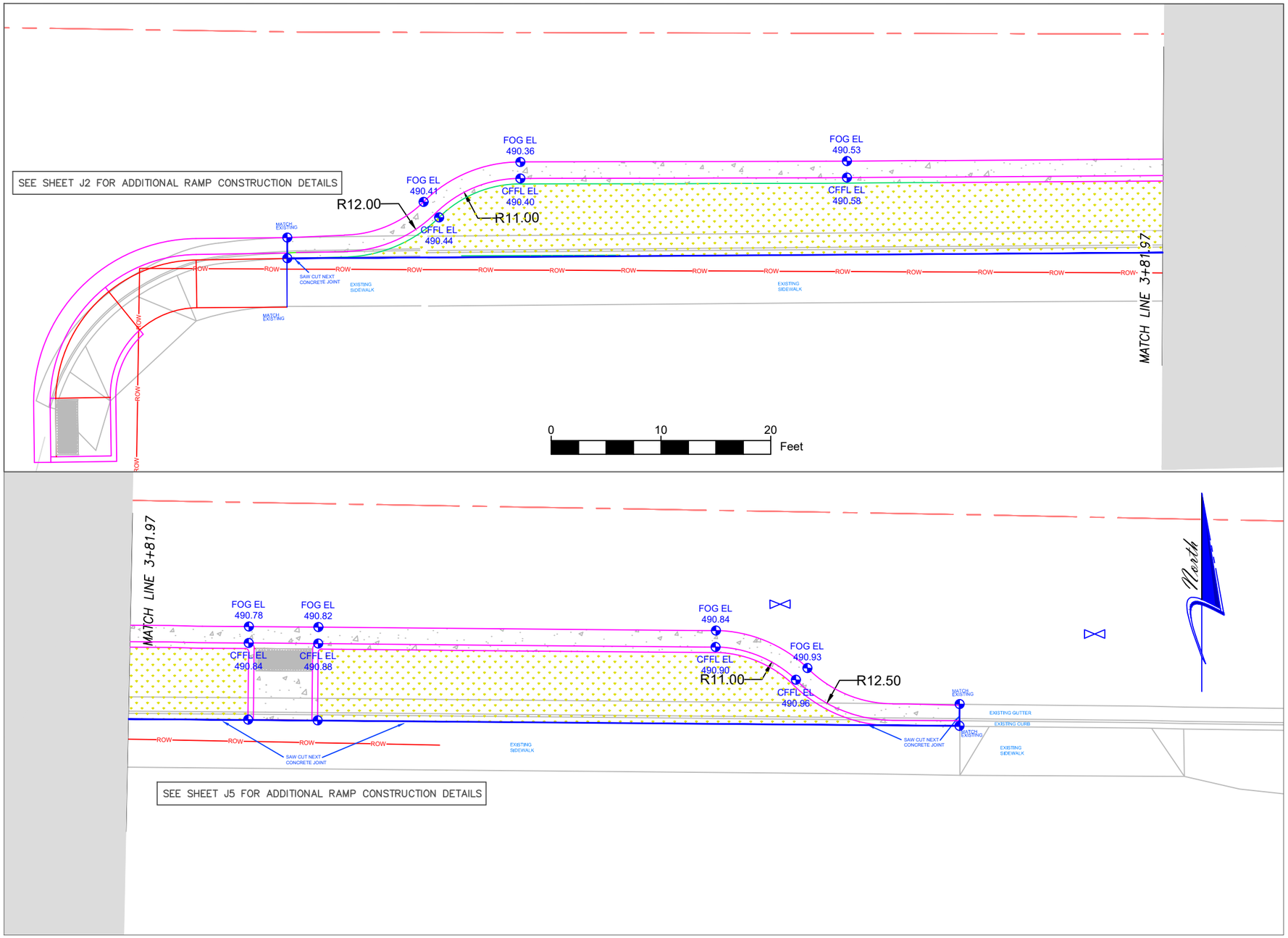
SCALE: 1" = 50'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET **F6** OF **105**

QUANTITIES:

CONCRETE CURB AND GUTTER	159 FT
SEEDING SEE SPEC PROV SECT 1040	790 SF



1 / G1 S. 42ND PLACE PLANTER STRIP

STA 50+60

0 10 20 Feet

No.	Revision/Issue	Date

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INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER 54699PE OREGON JULY 15, 2003 JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

ELEVATION DETAILS

SCALE: 1" = 10'

DRAWN BY: R. WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET G1 OF 105

February 27, 2020

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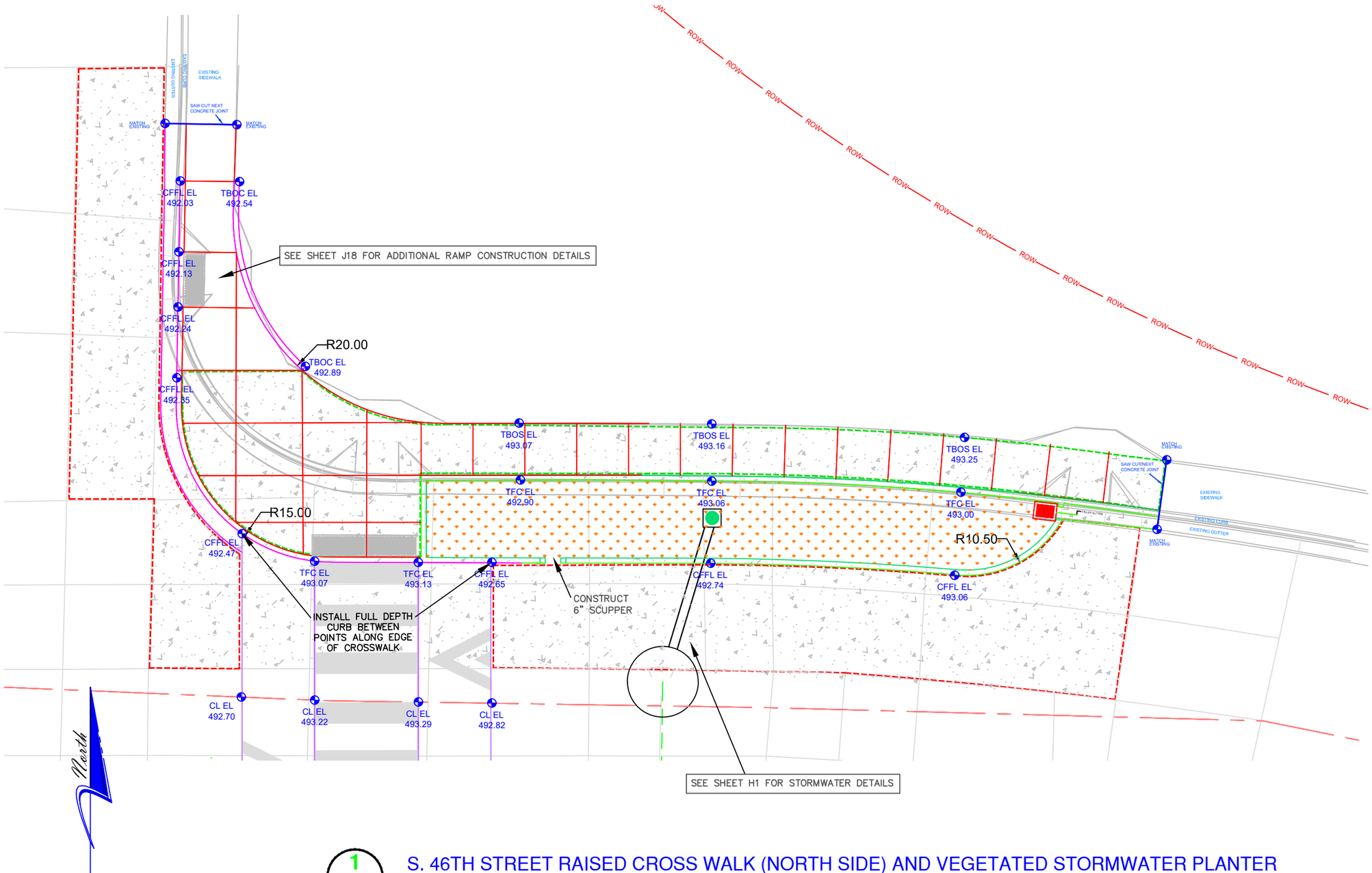
QUANTITIES:

PLAIN PCCP, UNDOWELED, 9"	130 SY
SIDEWALK	685 SF
CONCRETE CURB	22 FT
CONCRETE CURB AND GUTTER	13 FT



1
G2

S. 46TH STREET RAISED CROSS WALK (NORTH SIDE) AND VEGETATED STORMWATER PLANTER

STA 69+30

0 10 20 Feet

No.	Revision/Issue	Date

NOTE:

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Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

ELEVATION DETAILS

SCALE: 1" = 10'

DRAWN BY: R. WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET G2 OF 105

February 27, 2020

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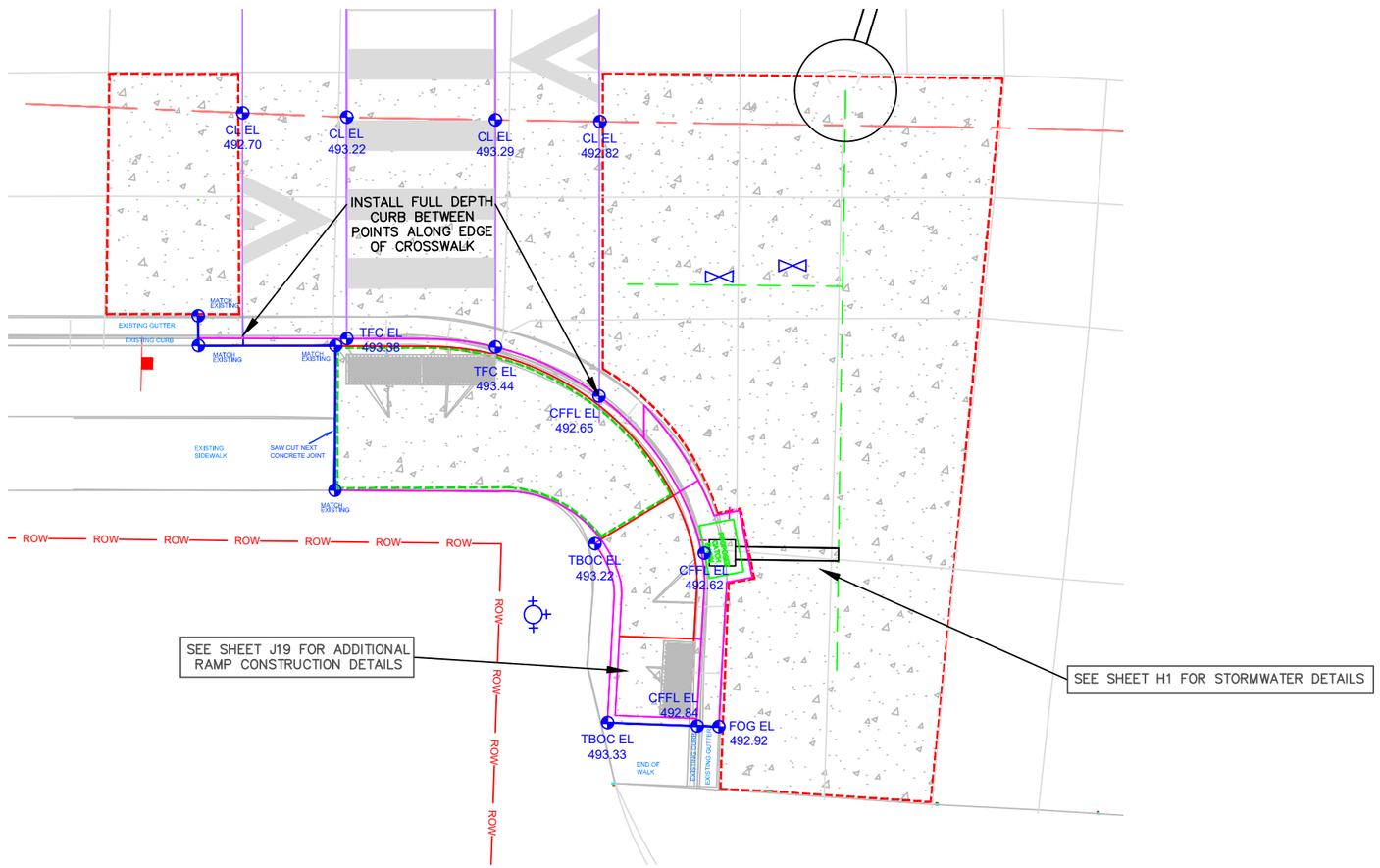
QUANTITIES:

PLAIN PCCP, UNDOWELED, 9"	125 SY
SIDEWALK	180 SF
CONCRETE CURB	32 FT
CONCRETE CURB AND GUTTER	6 FT



North

1
G3

S. 46TH STREET RAISED CROSS WALK (SOUTH SIDE)

STA 69+30

0 10 20 Feet

No.	Revision/Issue	Date

NOTE:

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

ELEVATION DETAILS

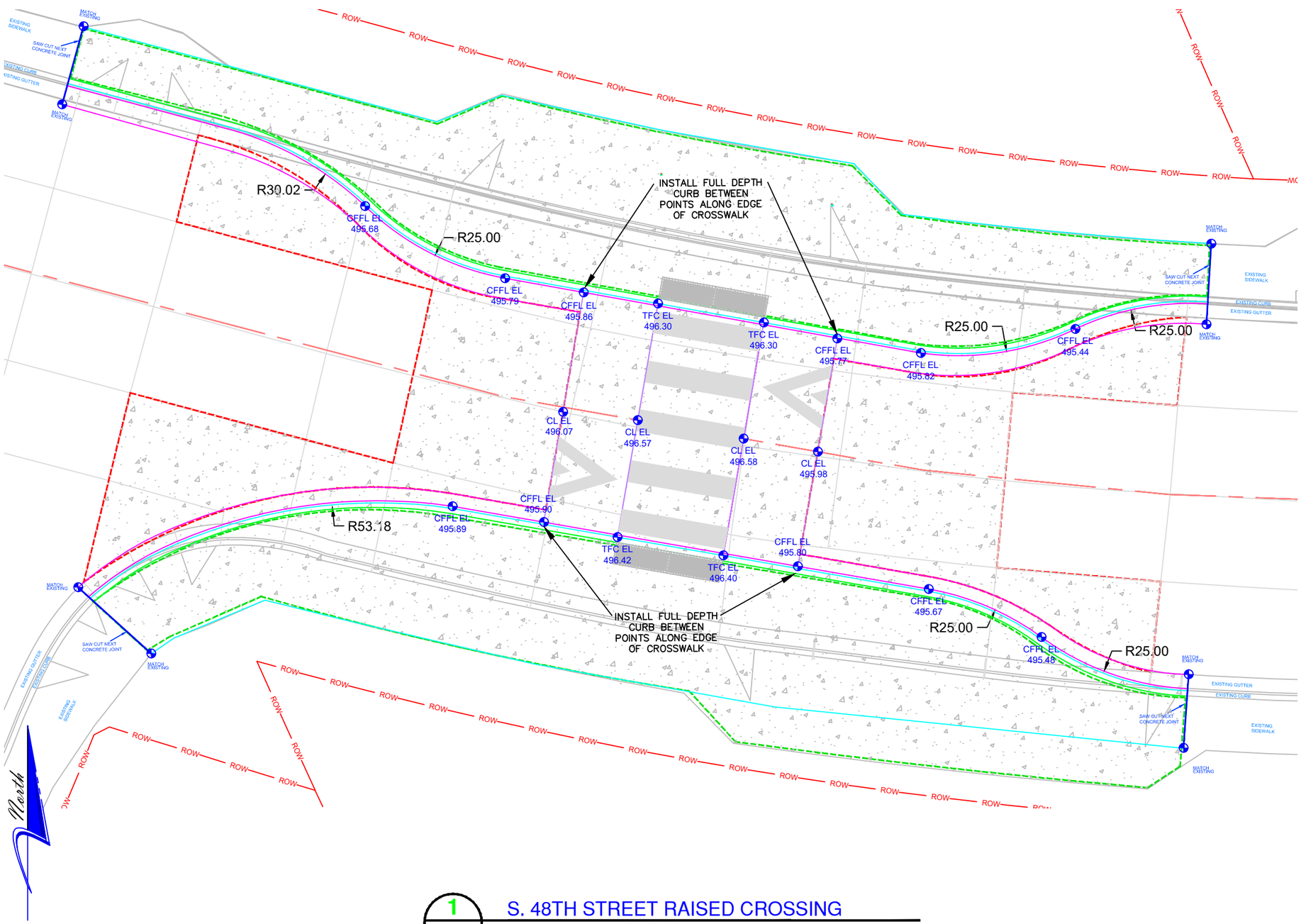
SCALE: 1" = 10'

DRAWN BY:	R. WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET G3 OF 105

QUANTITIES:

PLAIN PCCP, UNDOWELED, 9"	130 SY
SIDEWALK	2270 SF
CONCRETE CURB	60 FT
CONCRETE CURB AND GUTTER	161 FT



1 / G4 S. 48TH STREET RAISED CROSSING

STA 82+25

0 10 20 Feet

No.	Revision/Issue	Date

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Virginia-Daisy Bikeway - PHASE 1A

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

ELEVATION DETAILS

SCALE: 1" = 10'

DRAWN BY: R. WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET G4 OF 105

February 27, 2020

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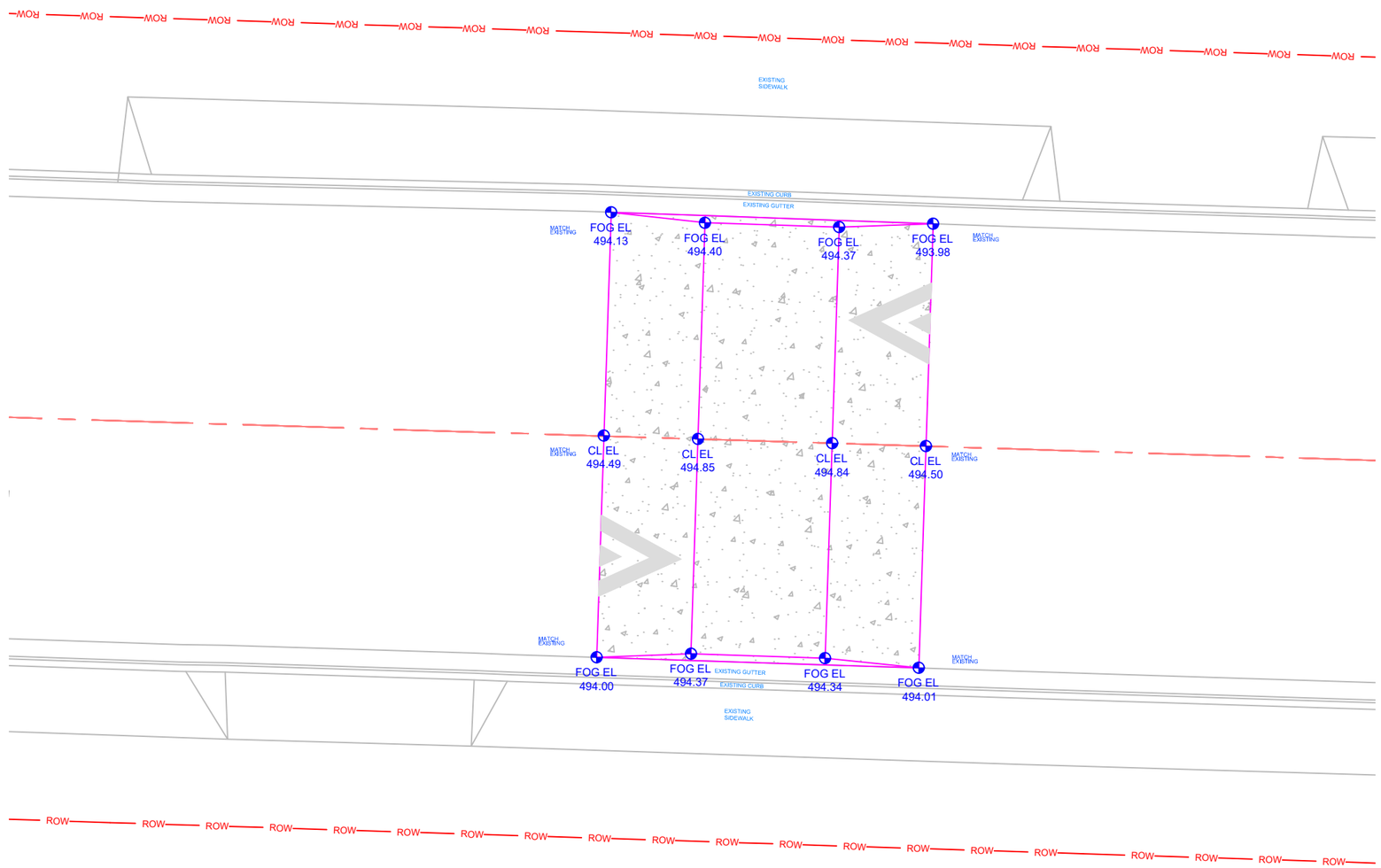

1
G5

S. 48TH STREET SPEED CUSHION

STA 88+37

0 8 16 Feet

No.	Revision/Issue	Date

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

ELEVATION DETAILS

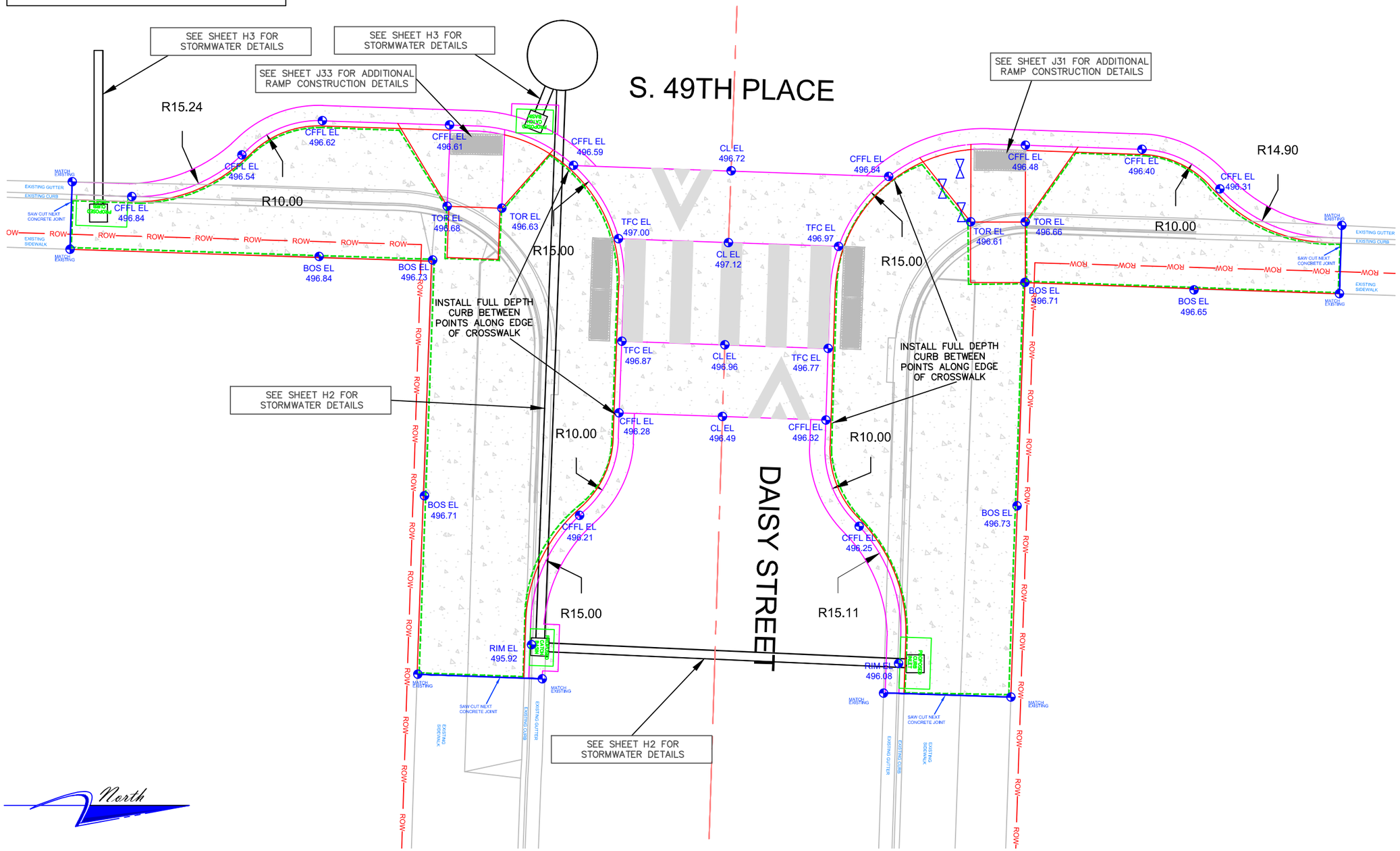
SCALE: 1" = 8'

DRAWN BY:	R. WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET G5 OF 105

QUANTITIES:

SIDEWALK	1994 SF
CONCRETE CURB	70 FT
CONCRETE CURB AND GUTTER	114 FT



North

1 / G6 S. 49TH PLACE RAISED CROSSING

STA 93+70

0 10 20 Feet

No.	Revision/Issue	Date

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JEFFREY ALAN PASCHALL
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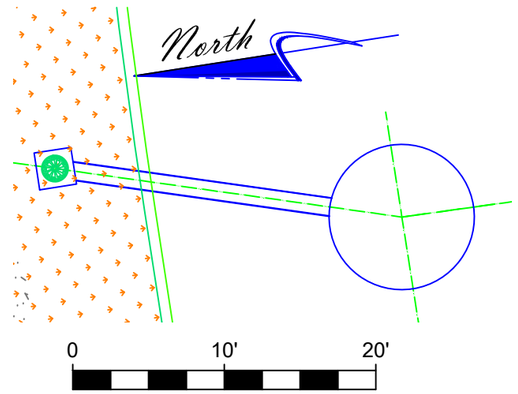
ELEVATION DETAILS

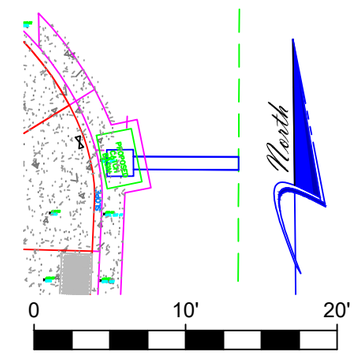
SCALE: 1" = 10'

DRAWN BY: R. WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET G6 OF 105

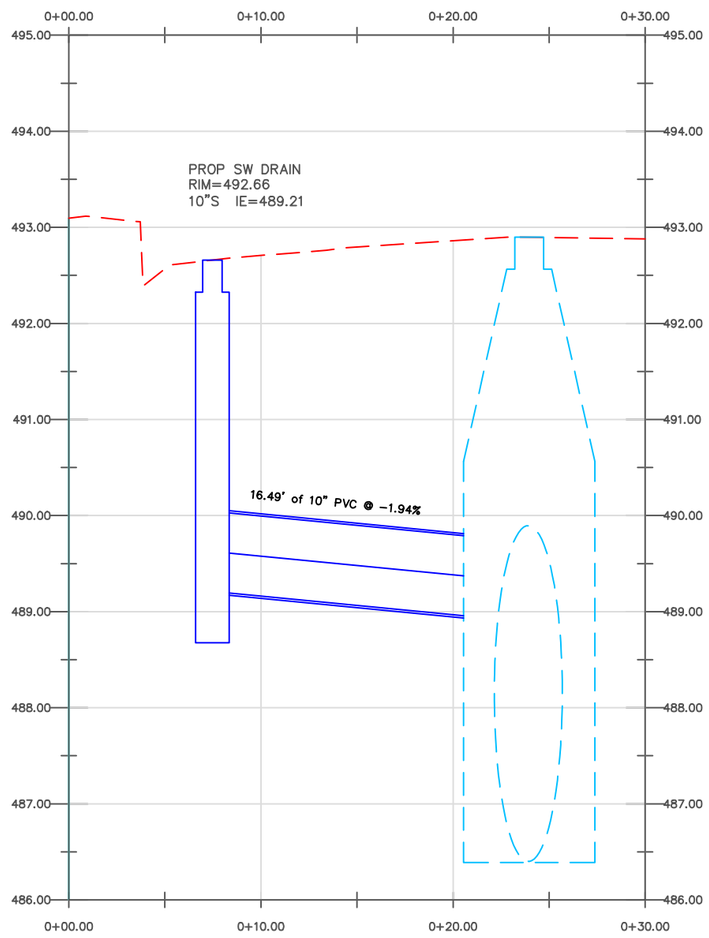


SCALE: 1"=10'

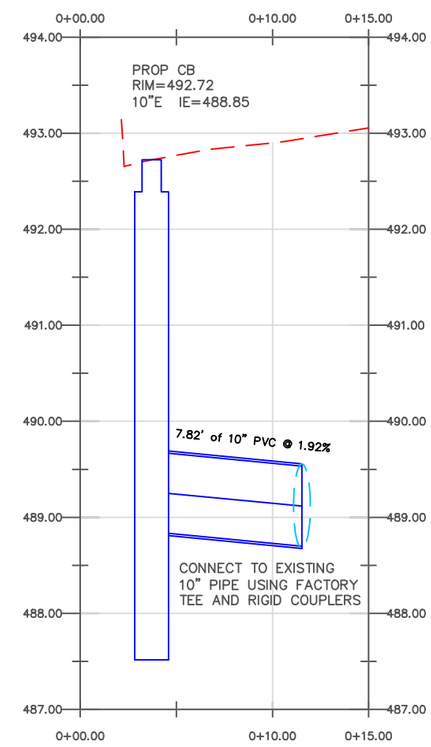


SCALE: 1"=10'

Profile View of 46th St Storm North



Profile View of 46th St Storm South



SOUTH 46TH STREET & DAISY STREET

STA 69+75

No.	Revision/Issue	Date

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

STORMWATER DETAILS

SCALE: 1" = 10'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET H1 OF 105

February 27, 2020

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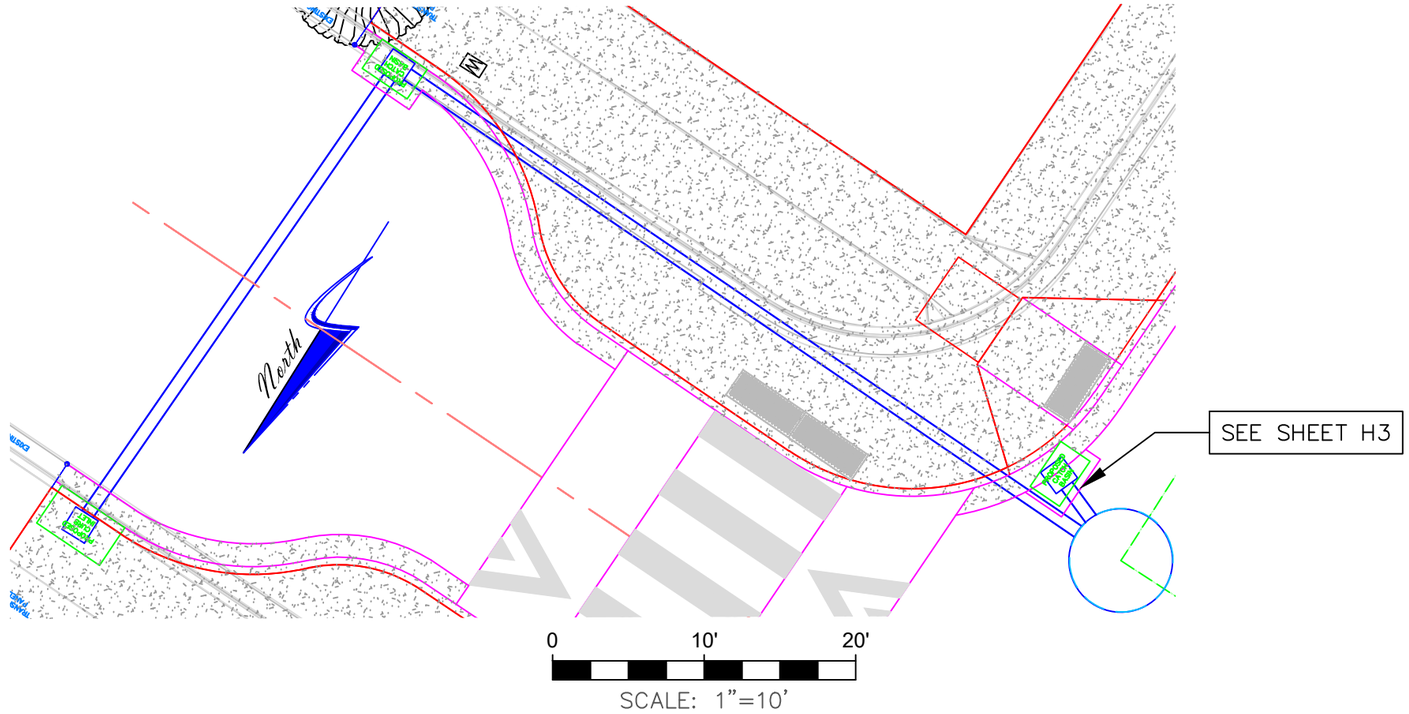
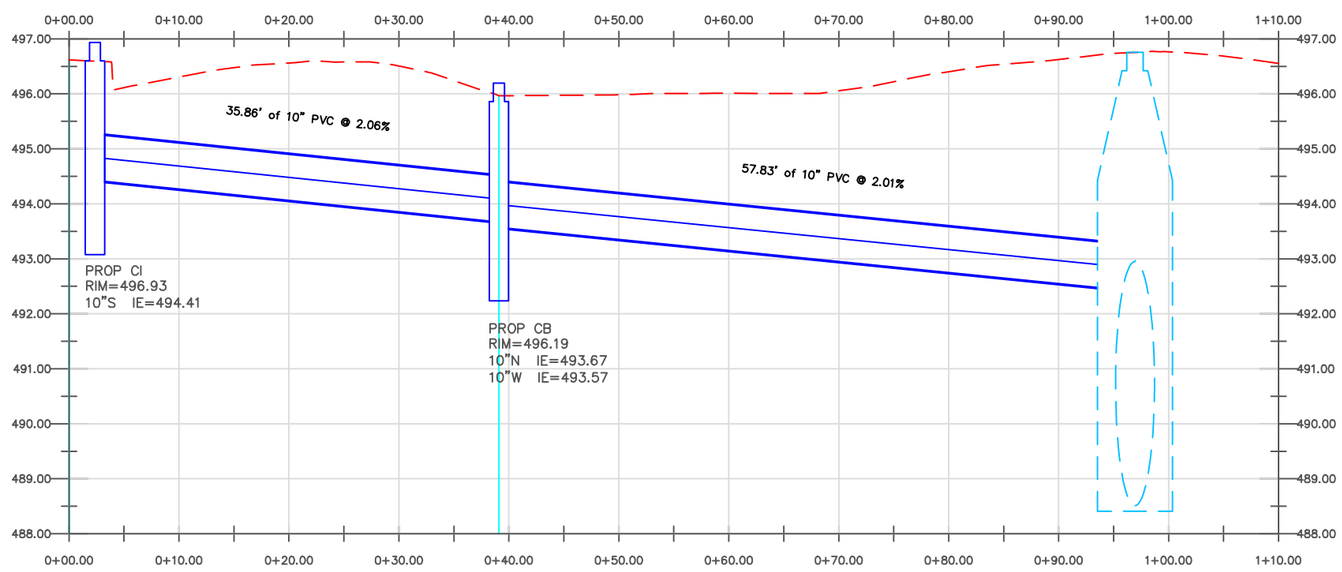


Profile View of 49th Pl Storm



SOUTH 49TH PLACE & DAISY STREET

STA 94+00

No.	Revision/Issue	Date

NOTE:

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JULY 15, 2003
JEFFREY ALAN PASCHALL
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EXPIRATION DATE: 12-31-2020

STORMWATER DETAILS

SCALE: 1" = 10'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET H2 OF 105

February 27, 2020

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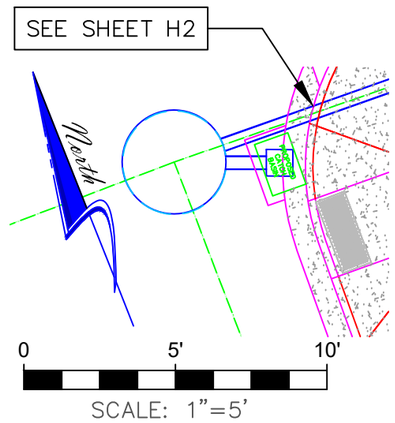
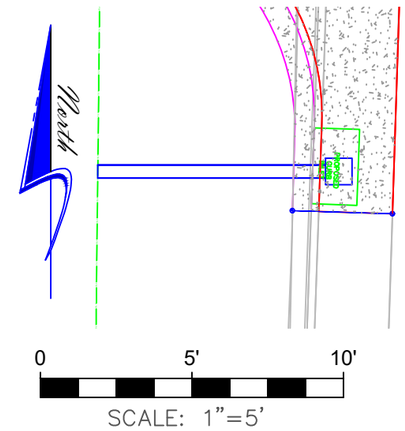
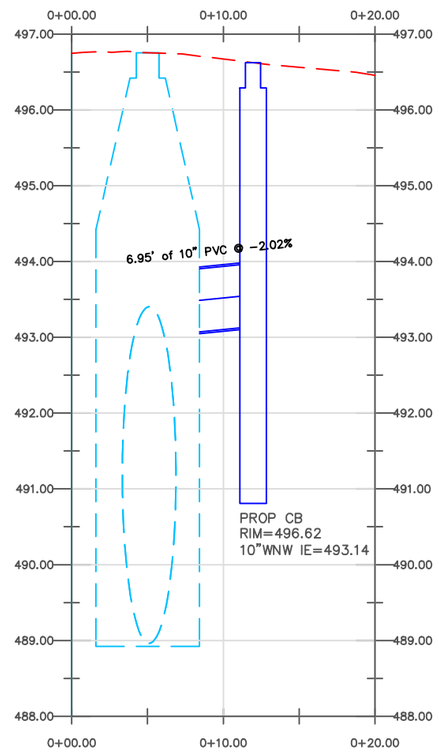
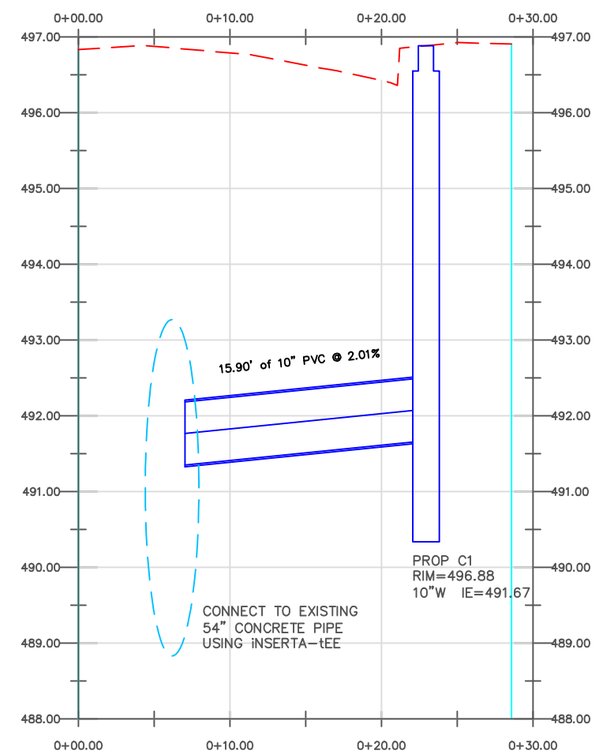




Profile View of 49th Pl Storm SE



Profile View of 49th Pl Storm South



SOUTH 49TH PLACE & DAISY STREET

STA 94+00

No.	Revision/Issue	Date

NOTE:

UTILITY LOCATIONS ARE APPROXIMATE
DO NOT
SCALE OR LOCATE UTILITY LINES OR MAINS
FROM THESE DRAWINGS
CALL FOR UTILITY LOCATES
811 or (1-800-332-2344)

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

STORMWATER DETAILS

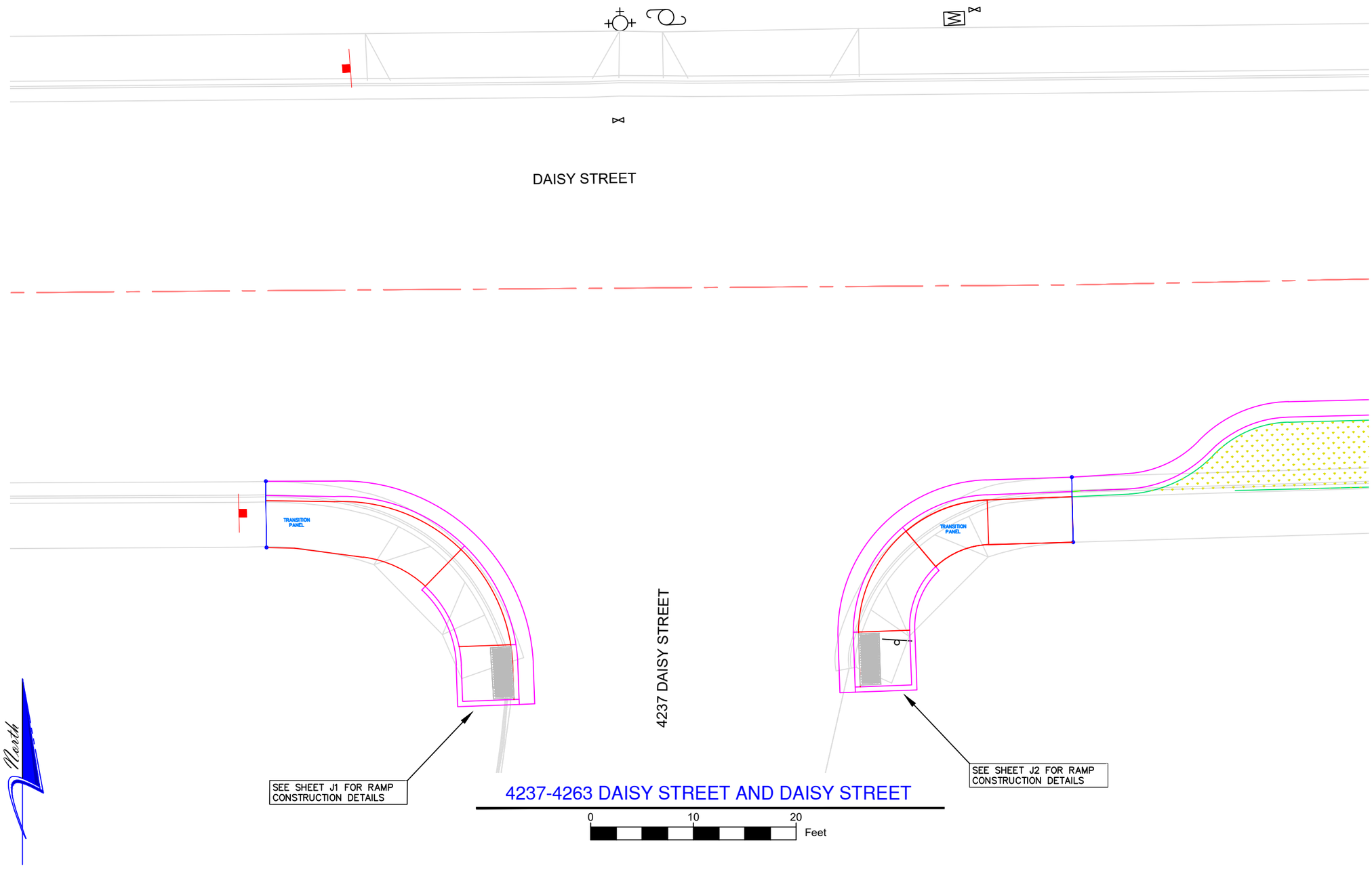
SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET H3 OF 105

February 27, 2020

\\spifs031\pwdesign\PROJECTS\TRAFFIC\p21114 Virginia-daisy Bike Boulevard\DESIGN\Phase 1A\DWG\P21114-IA H1-H3.dwg



4237-4263 DAISY STREET AND DAISY STREET

No.	Revision/Issue	Date

NOTE:

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET I1 OF 105

February 27, 2020

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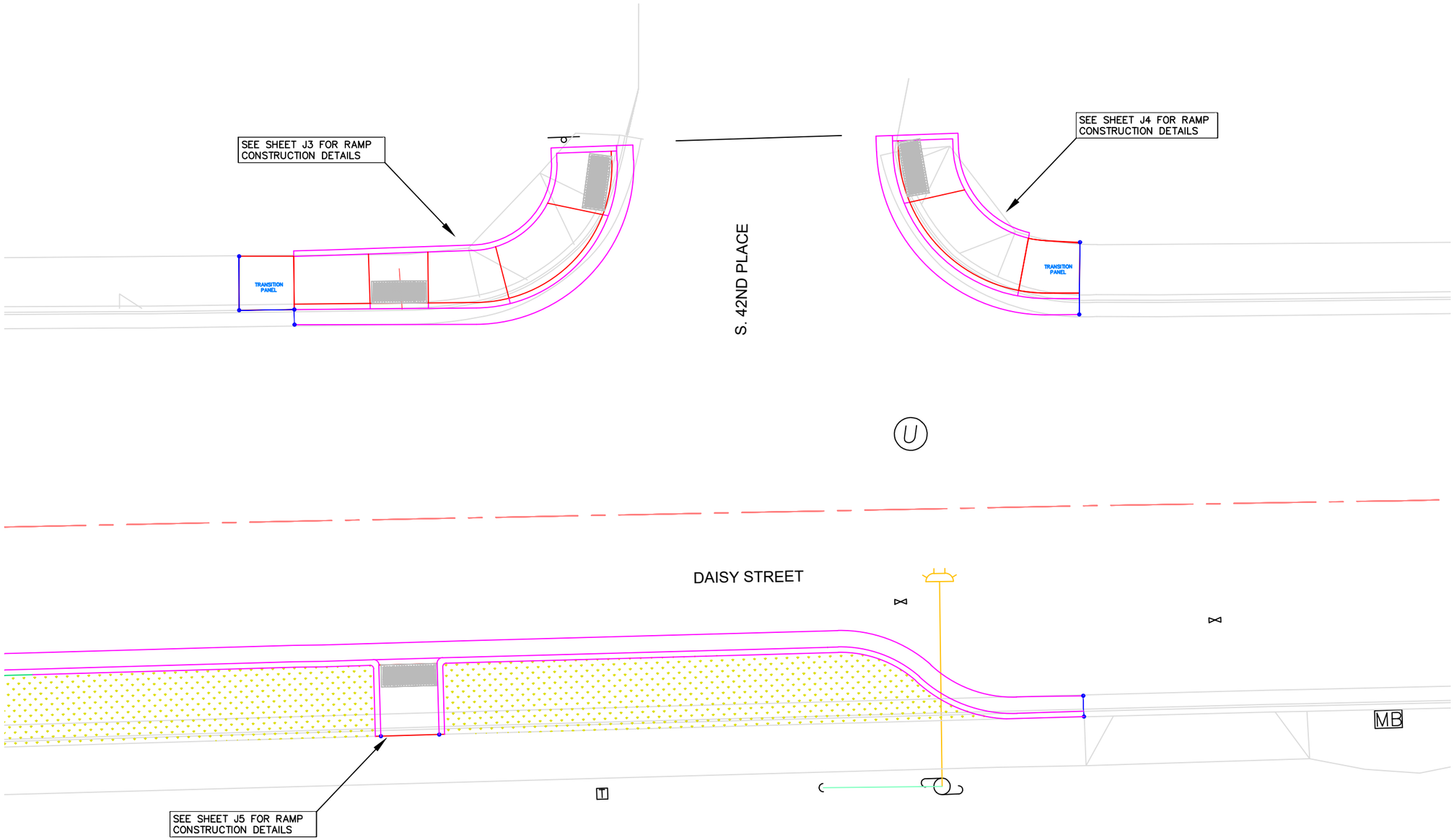

North

SOUTH 42ND PLACE AND DAISY STREET

0 10 20 Feet

No.	Revision/Issue	Date

NOTE:

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SCALE OR LOCATE UTILITY LINES OR MAINS FROM THESE DRAWINGS
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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET I2 OF 105

February 27, 2020

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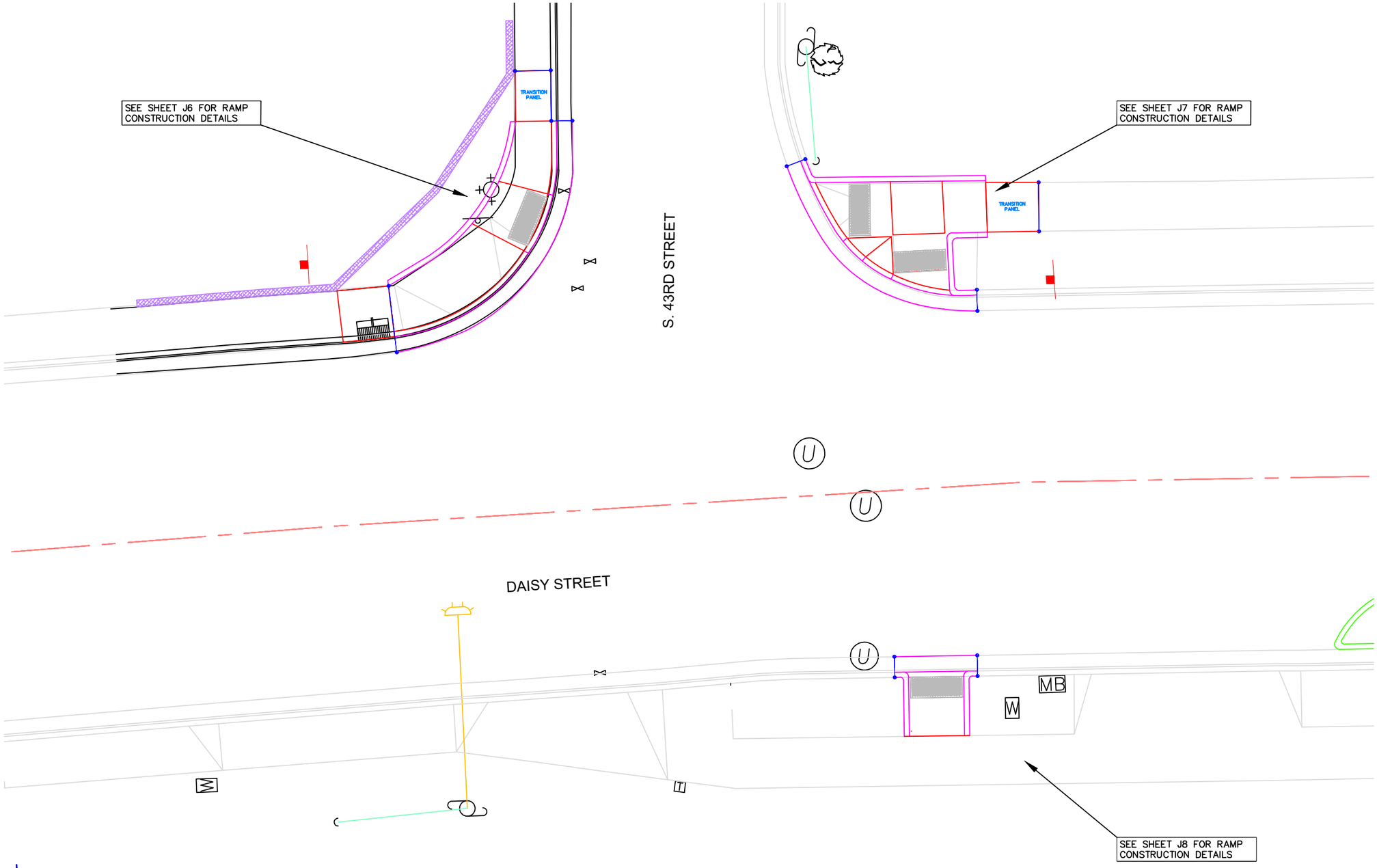

North

SOUTH 43RD STREET AND DAISY STREET

0 10 20 Feet

No.	Revision/Issue	Date

NOTE:

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'	SHEET I3 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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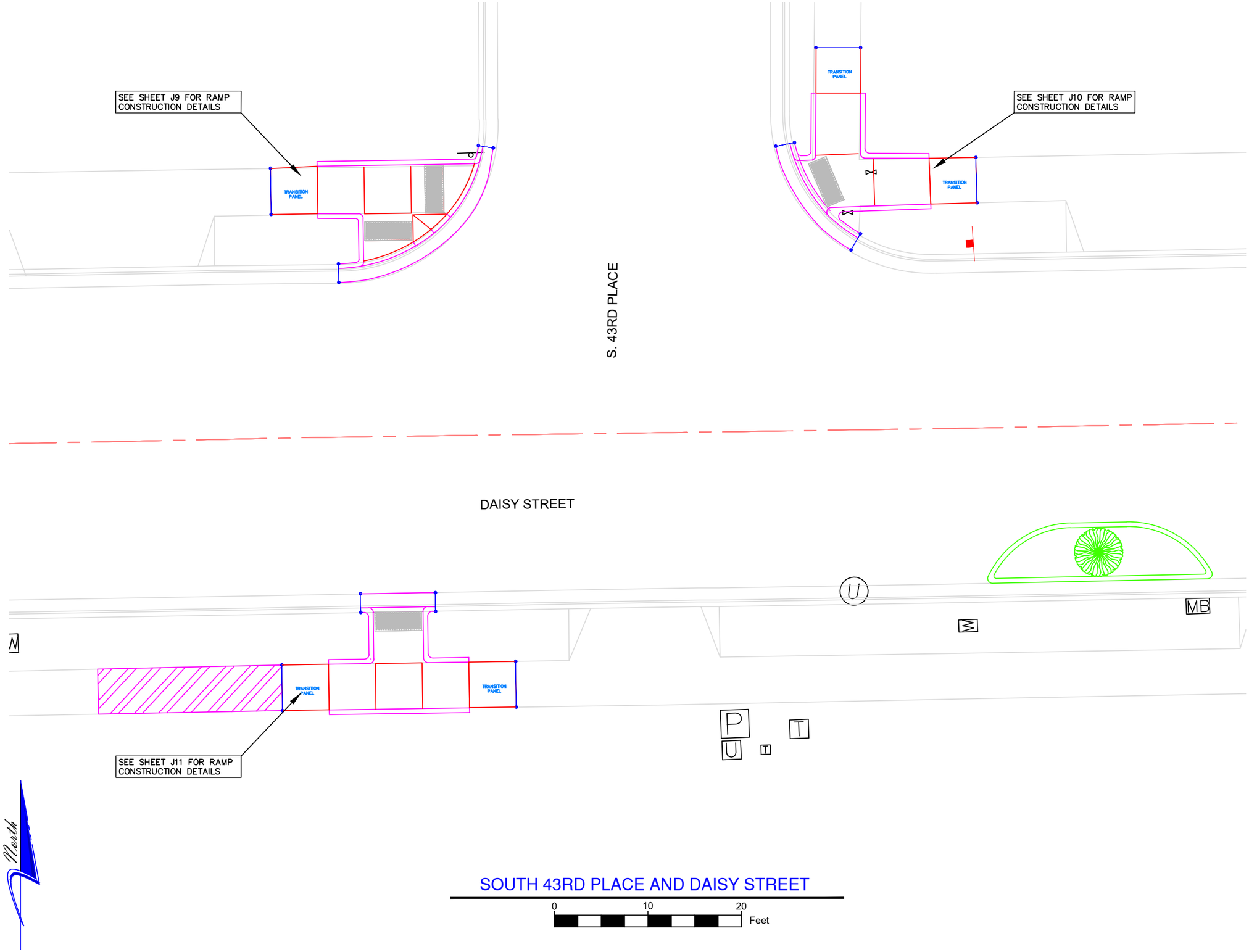

SOUTH 43RD PLACE AND DAISY STREET

No.	Revision/Issue	Date

NOTE:

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET I4 OF 105

February 27, 2020

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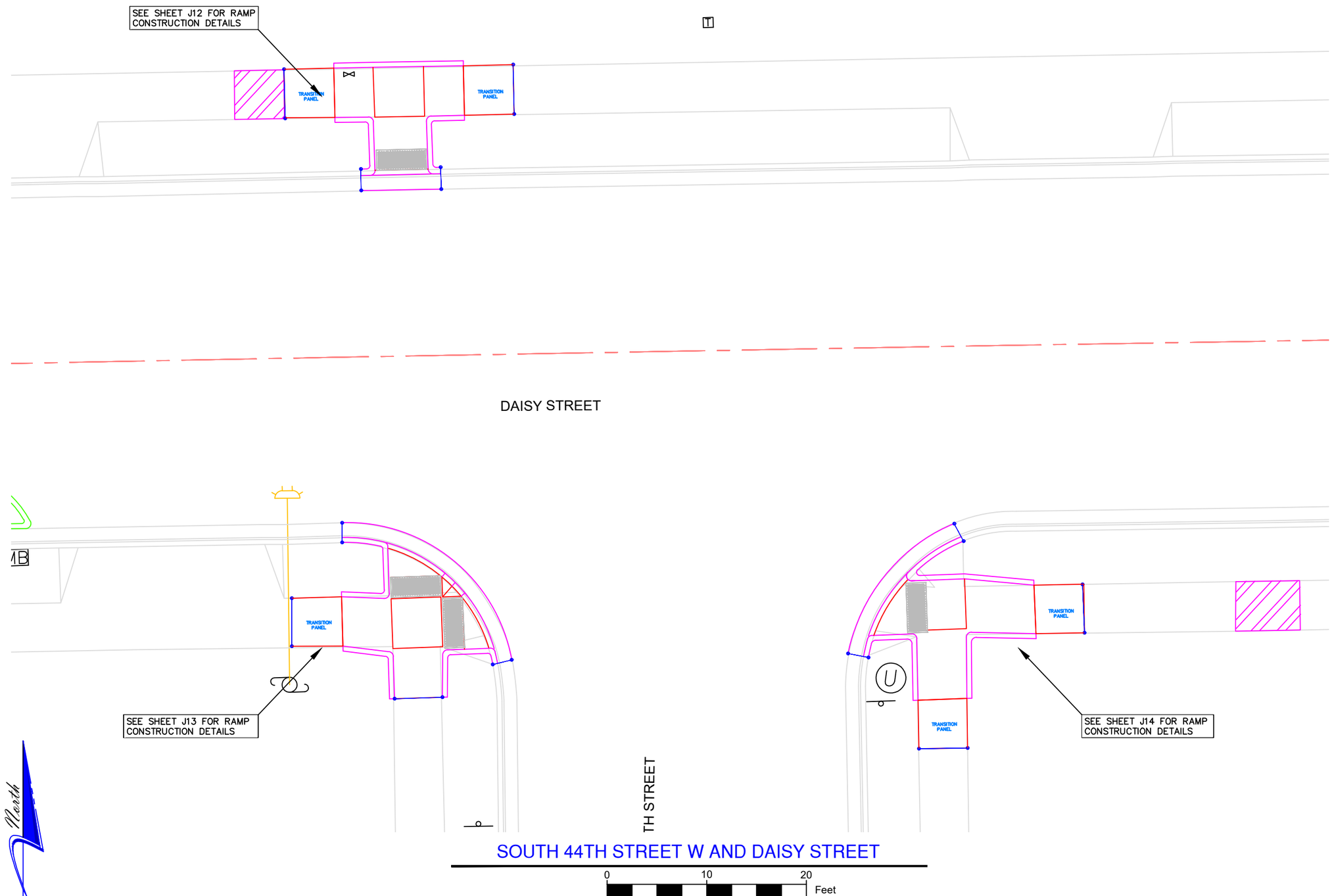

No.	Revision/Issue	Date

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Project P21114
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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET I5 OF 105

February 27, 2020

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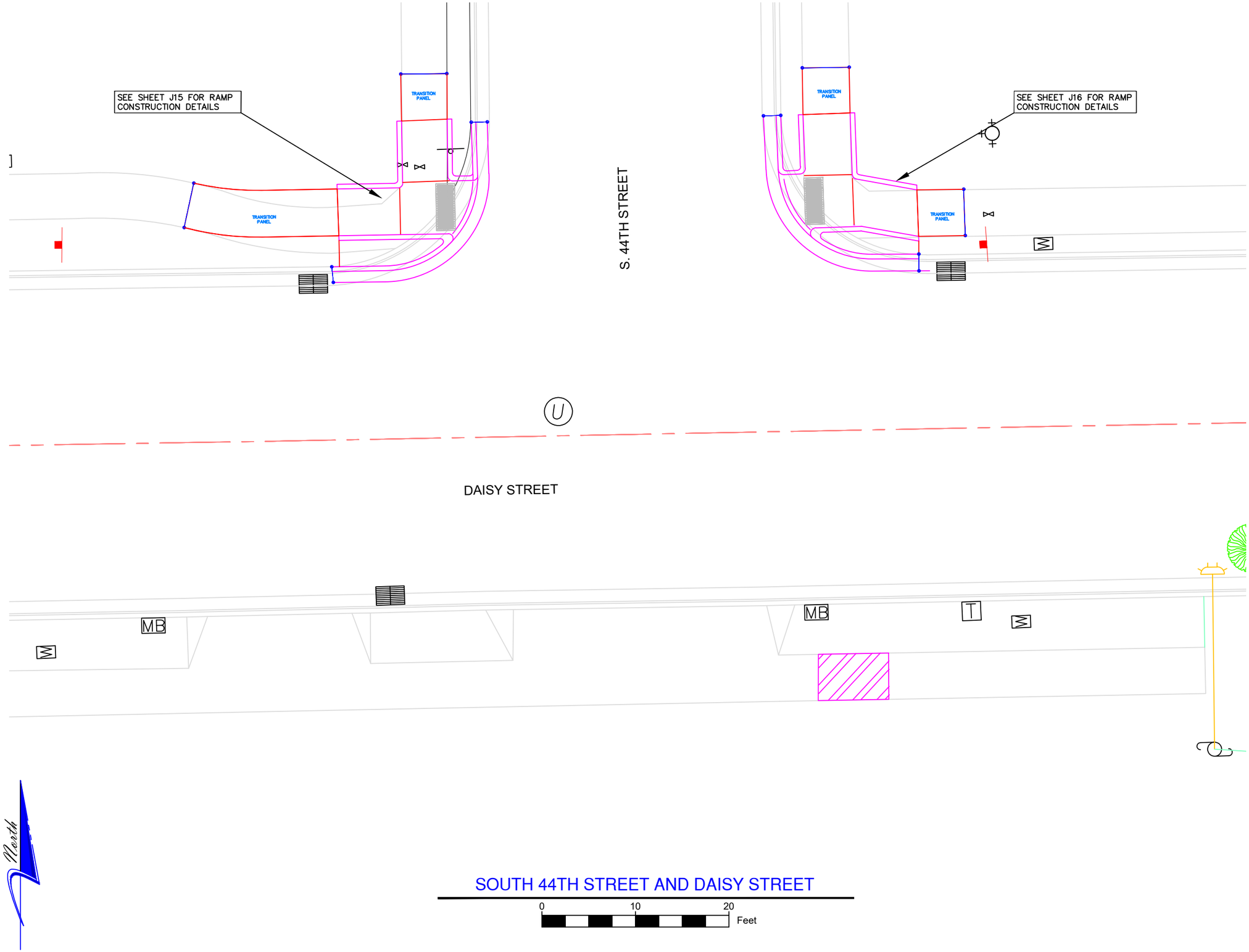

No.	Revision/Issue	Date

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET I6 OF 105

February 27, 2020

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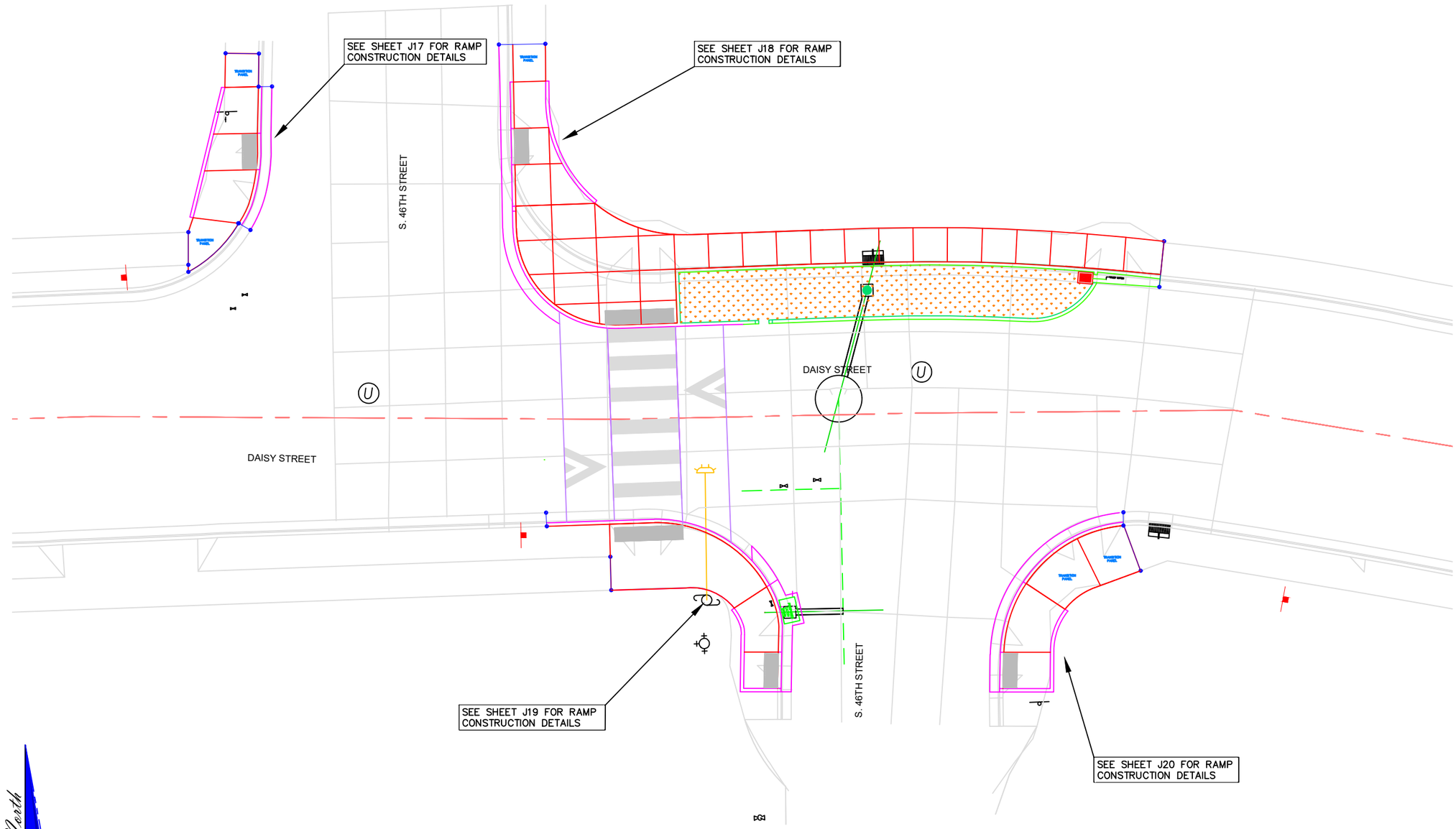

SOUTH 46TH STREET AND DAISY STREET

0 16 32 Feet

No.	Revision/Issue	Date

NOTE:

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

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INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 16'	SHEET I7 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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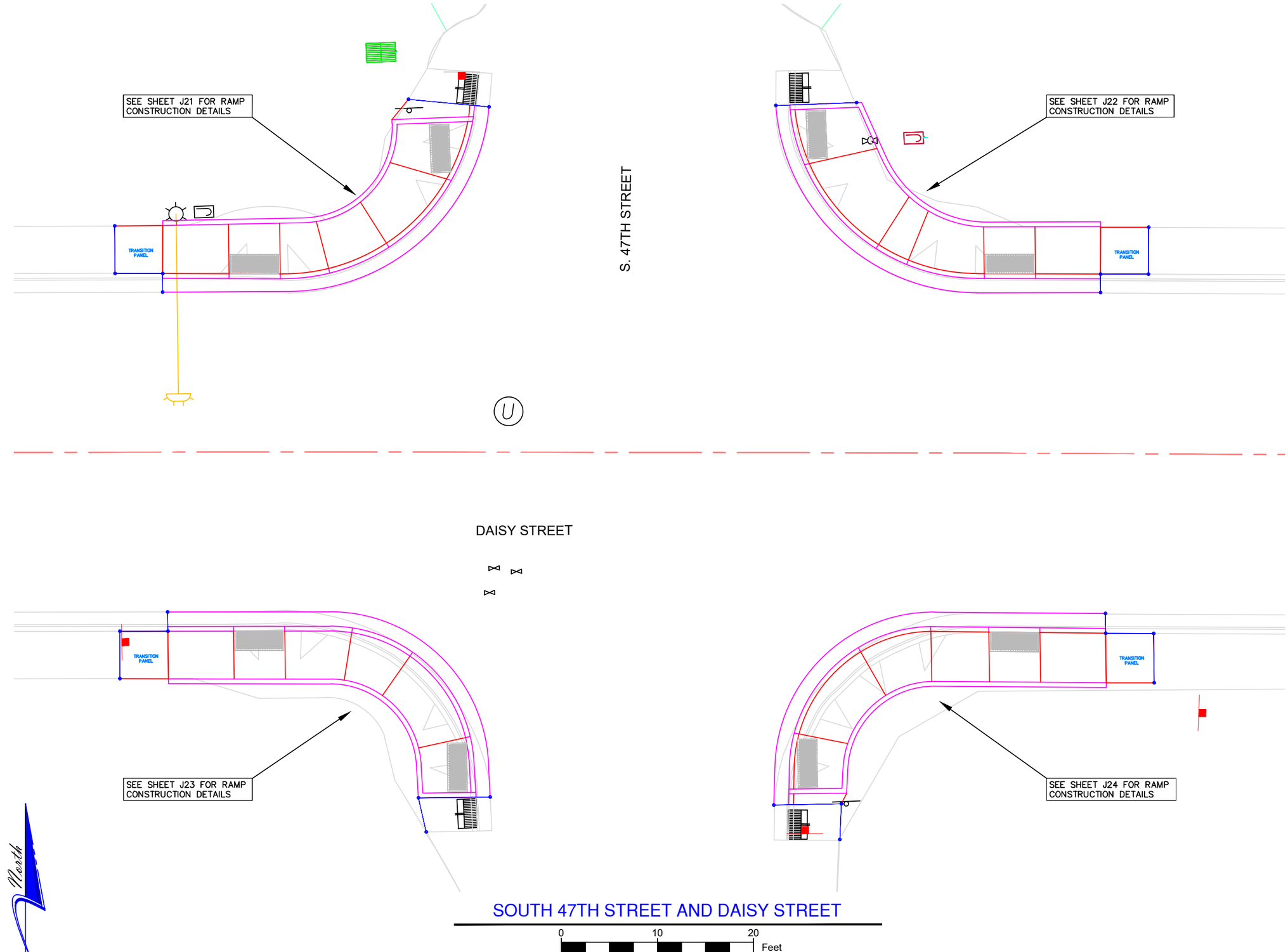

No.	Revision/Issue	Date

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET I8 OF 105

February 27, 2020

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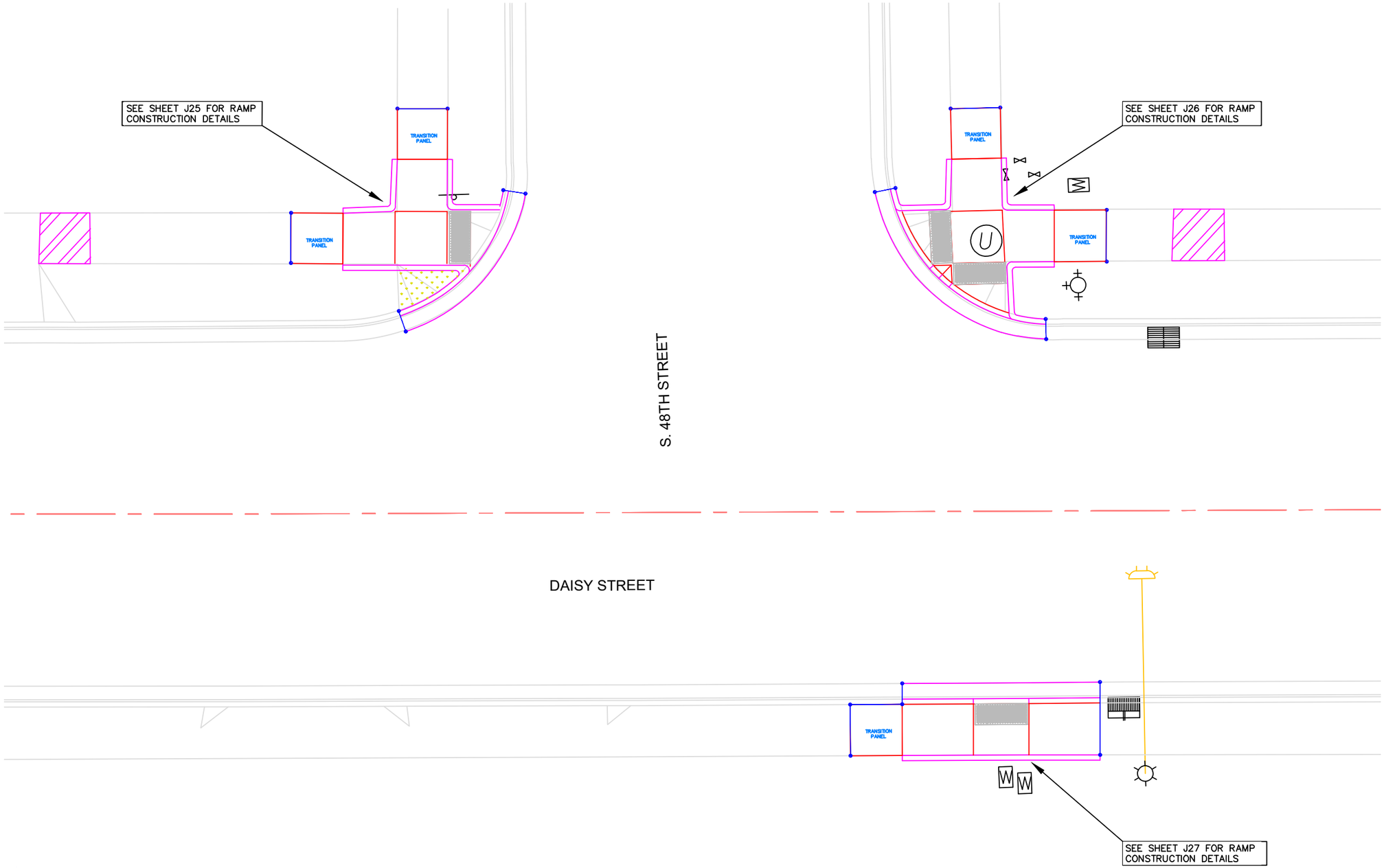

SOUTH 48TH STREET AND DAISY STREET

0 10 20 Feet

North

No.	Revision/Issue	Date

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET I9 OF 105

February 27, 2020

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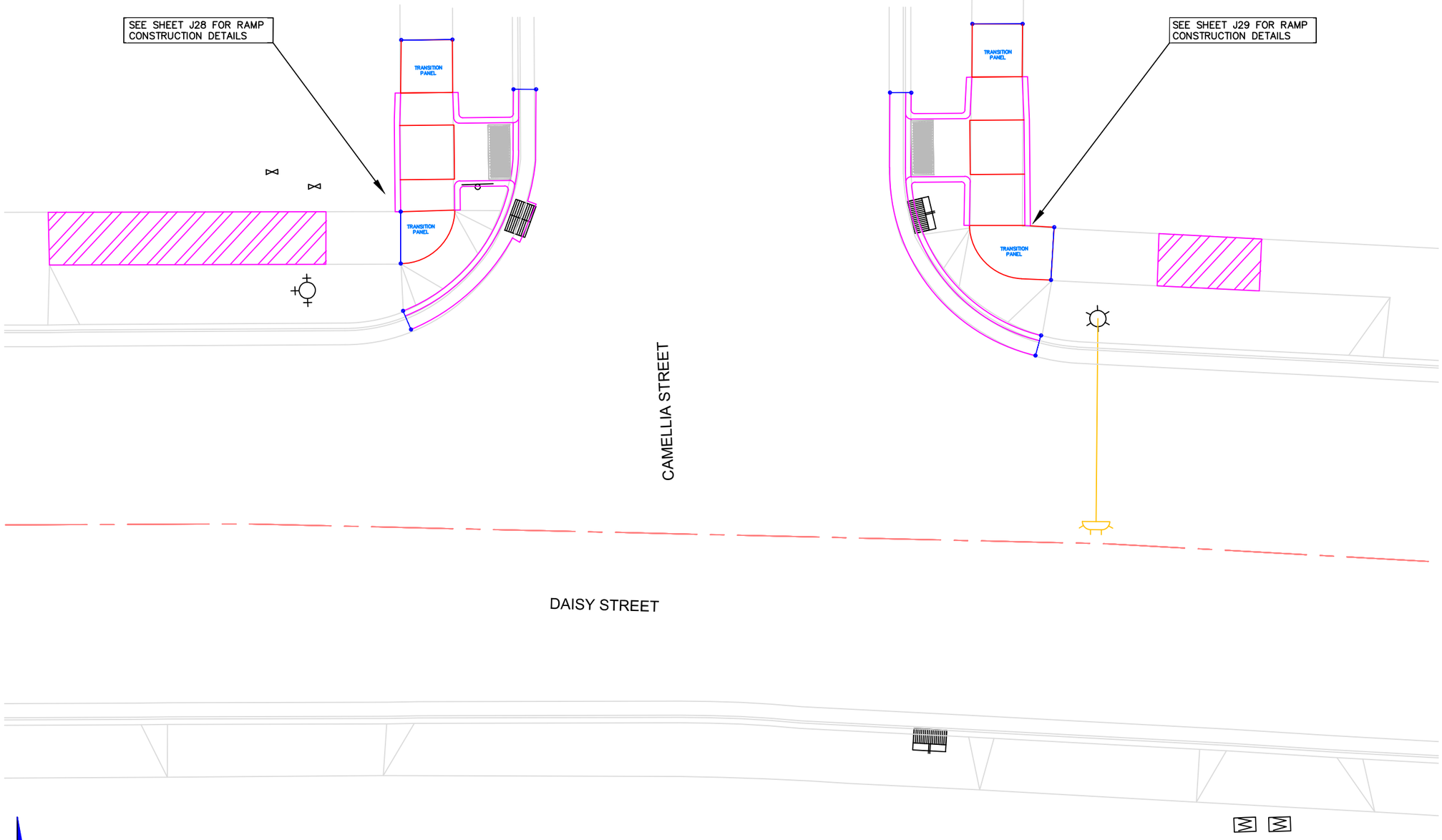

CAMELLIA STREET AND DAISY STREET

0 10 20 Feet

No.	Revision/Issue	Date

NOTE:

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Virginia-Daisy Bikeway - PHASE 1A

City of Springfield

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'	SHEET I10 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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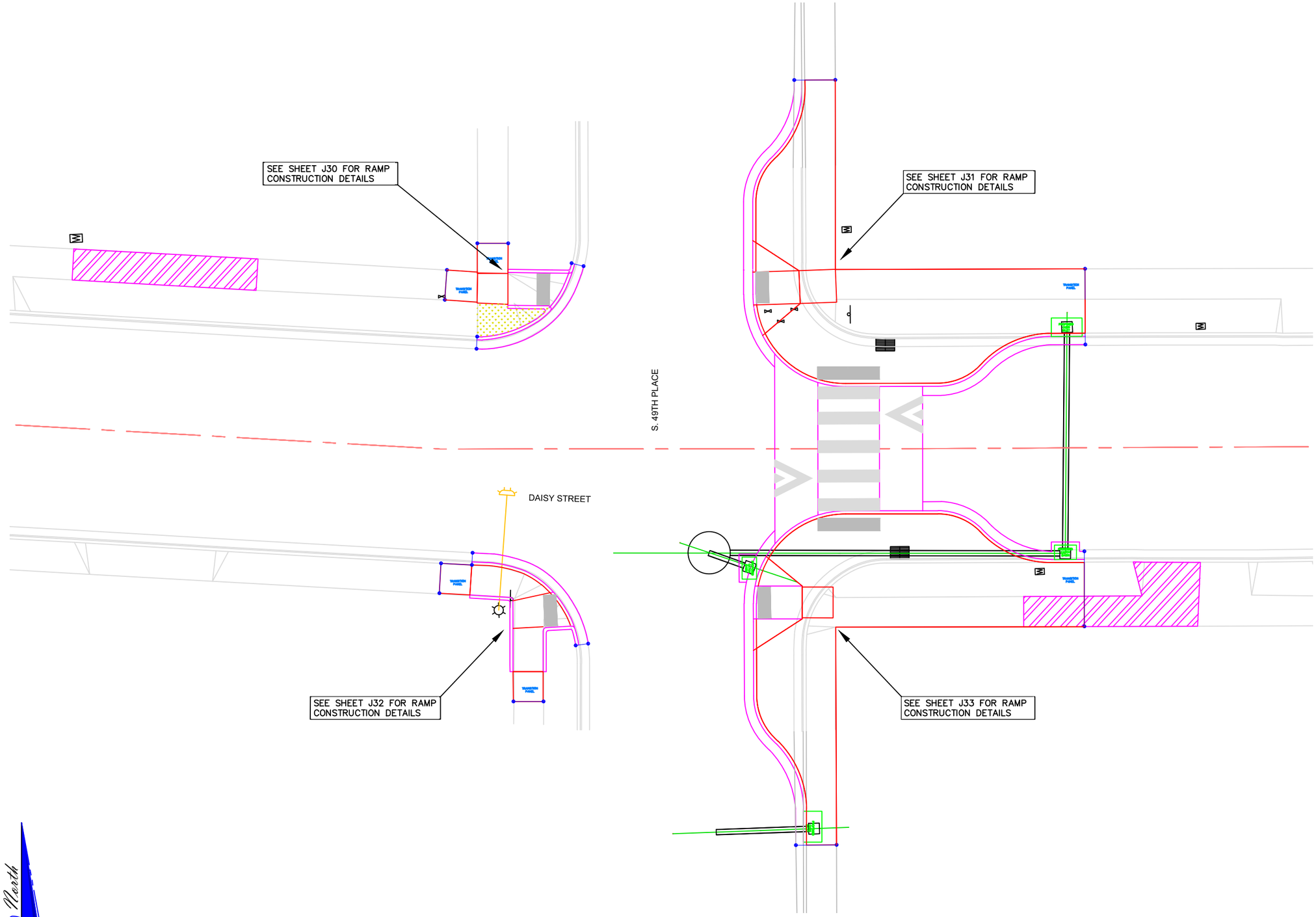

SOUTH 49TH PLACE AND DAISY STREET

No.	Revision/Issue	Date

NOTE:

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield

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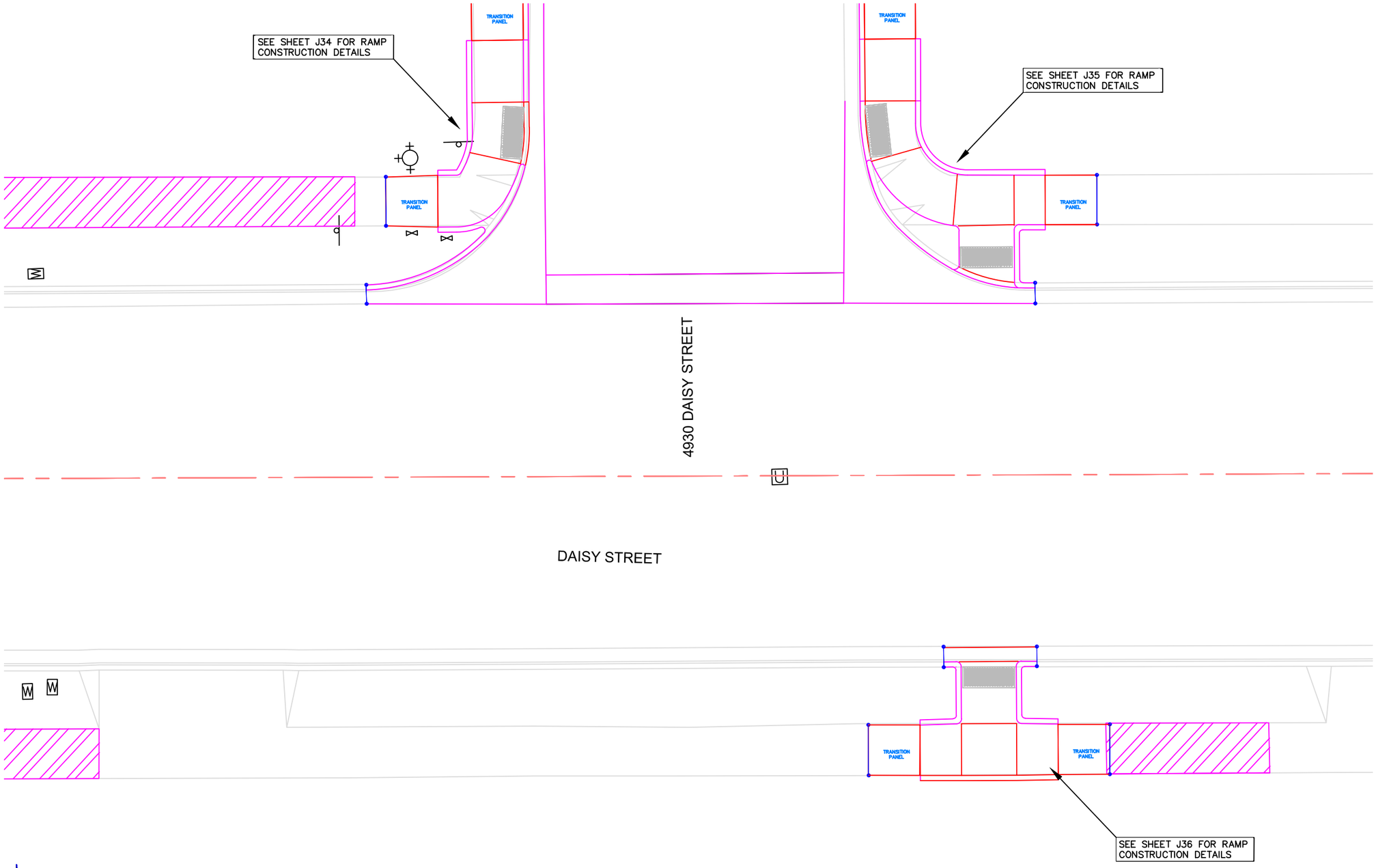
REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 16'	SHEET I11 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020



North

4930-4954 DAISY STREET AND DAISY STREET

0 10 20 Feet

No.	Revision/Issue	Date

NOTE:

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET I12 OF 105

February 27, 2020

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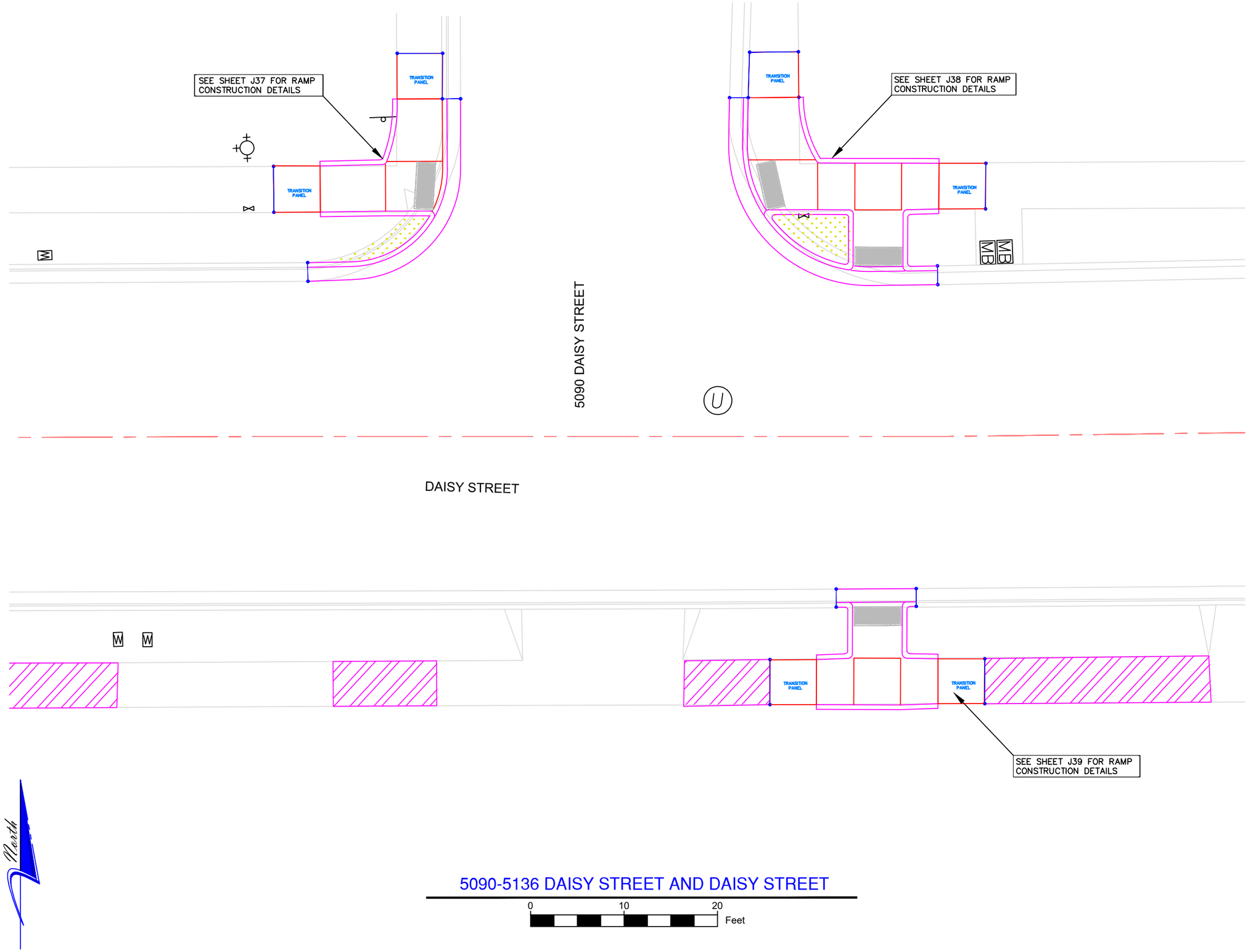

No.	Revision/Issue	Date

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

INTERSECTION OVERVIEW

SCALE: 1" = 10'	SHEET I13 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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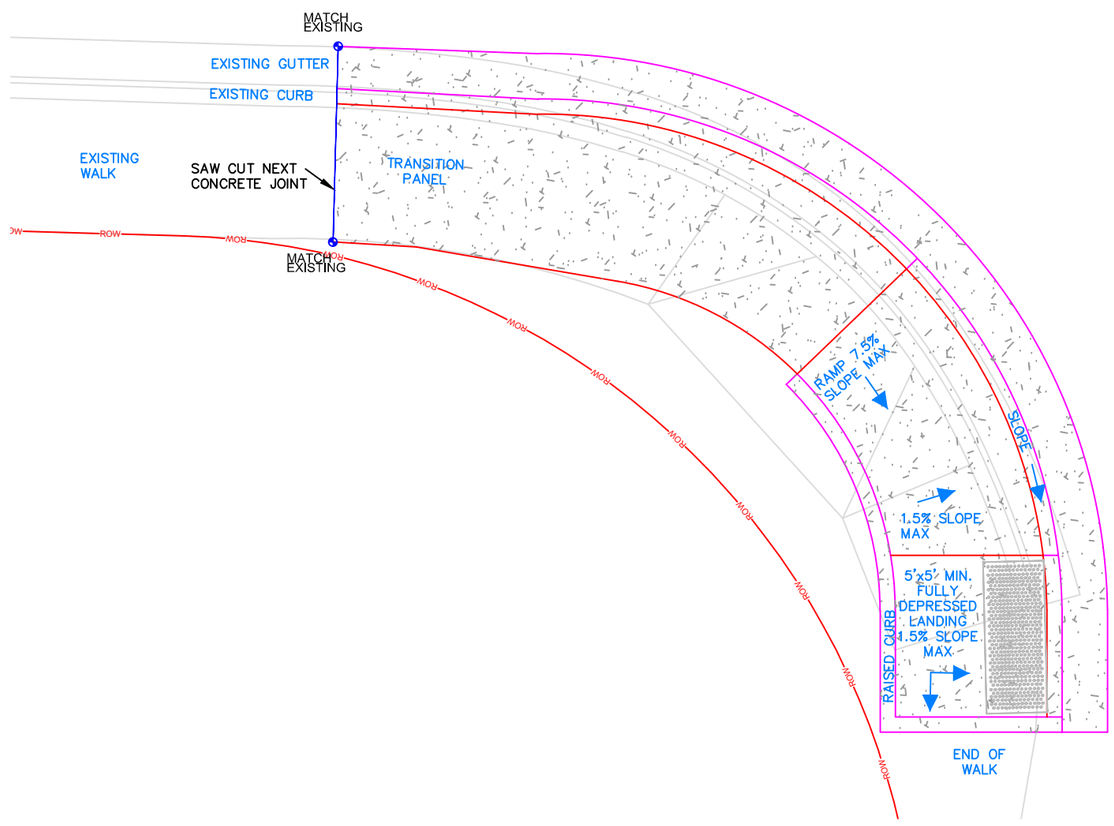
RAMP QUANTITIES:

ADA RAMPS	114 SF
SIDEWALKS	90 SF
CONCRETE CURB AND GUTTER	21 FT



4237-4263 DAISY STREET AND DAISY STREET

SOUTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield

PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J1 OF 105

February 27, 2020

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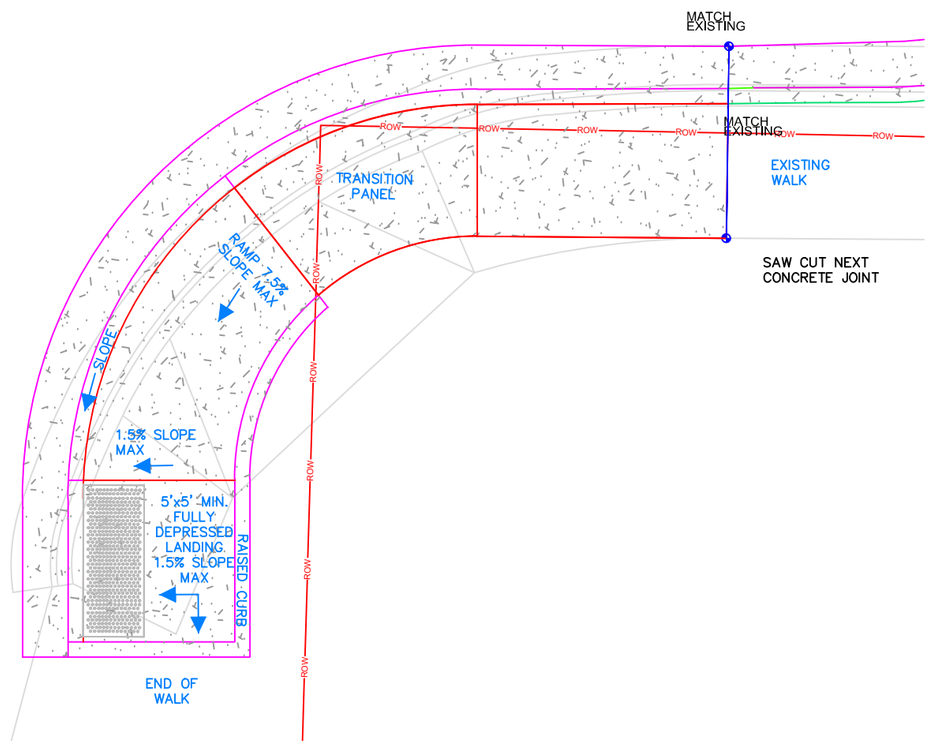
RAMP QUANTITIES:

ADA RAMPS	116 SF
SIDEWALKS	68 SF
CONCRETE CURB AND GUTTER	18 FT



4237-4263 DAISY STREET AND DAISY STREET

SOUTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

UTILITY LOCATIONS ARE APPROXIMATE
DO NOT
SCALE OR LOCATE UTILITY LINES OR MAINS FROM THESE DRAWINGS
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Virginia-Daisy Bikeway - PHASE 1A

City of Springfield

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL

EXP DATE:

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J2 OF 105

February 27, 2020

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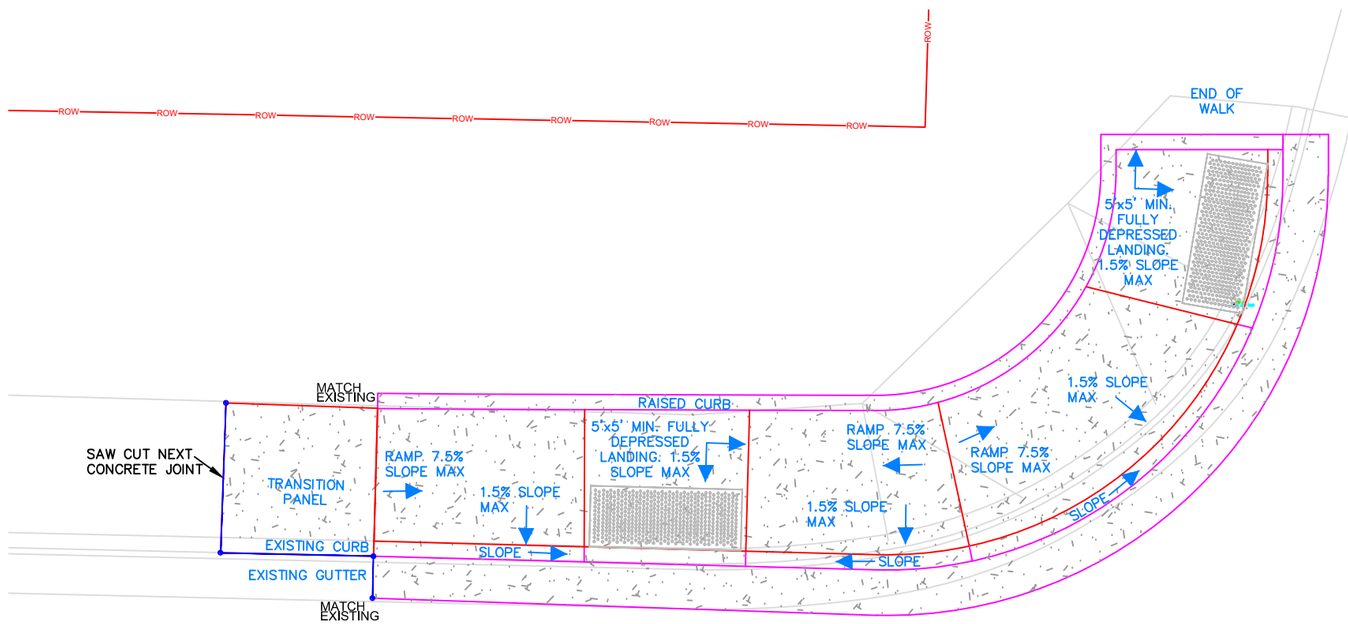
RAMP QUANTITIES:

ADA RAMPS	255 SF
SIDEWALKS	25 SF



SOUTH 42ND PLACE AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

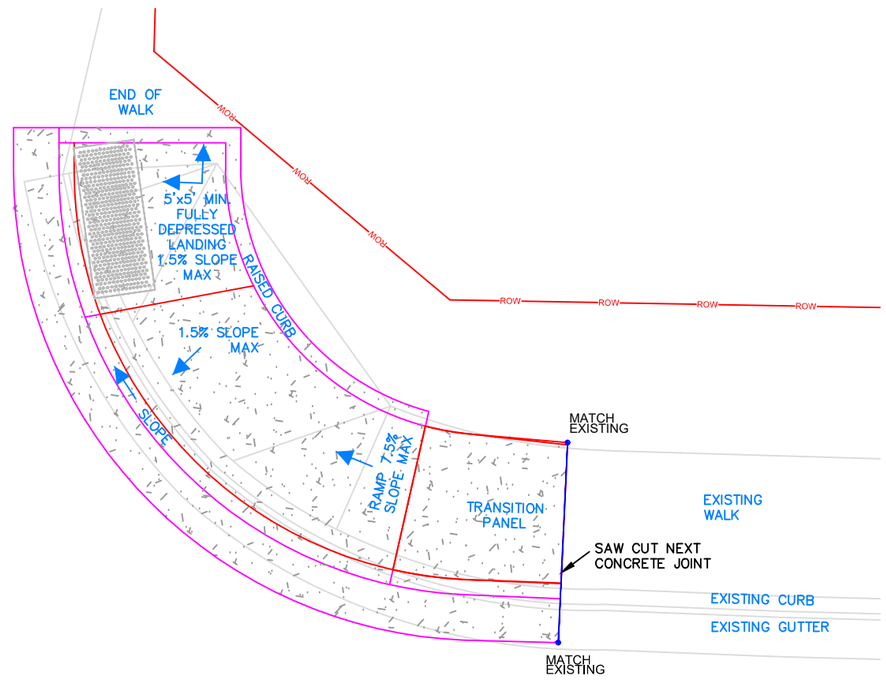
SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J3 OF 105

RAMP QUANTITIES:

ADA RAMPS	130 SF
SIDEWALKS	25 SF
CONCRETE CURB AND GUTTER	6 FT



SOUTH 42ND PLACE AND DAISY STREET

NORTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J4 OF 105

February 27, 2020

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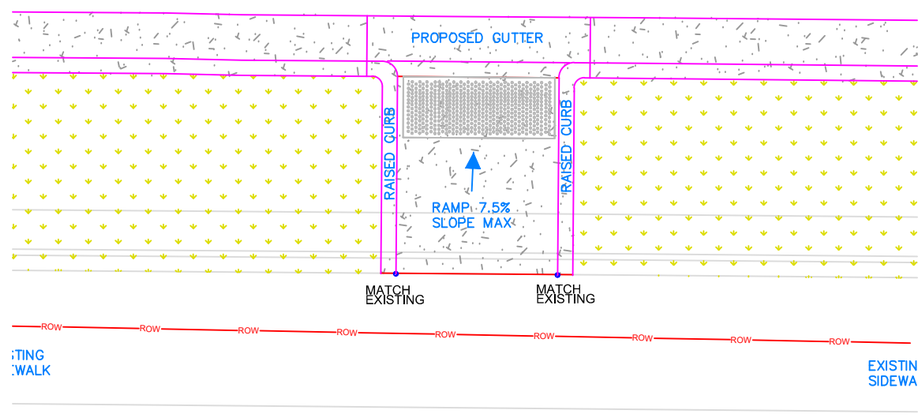
RAMP QUANTITIES:

ADA RAMPS	55 SF



SEE SHEET G1 FOR ADDITIONAL CONSTRUCTION LAYOUT

SOUTH 42ND PLACE AND DAISY STREET

SOUTHWEST SIDE

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J5 OF 105

February 27, 2020

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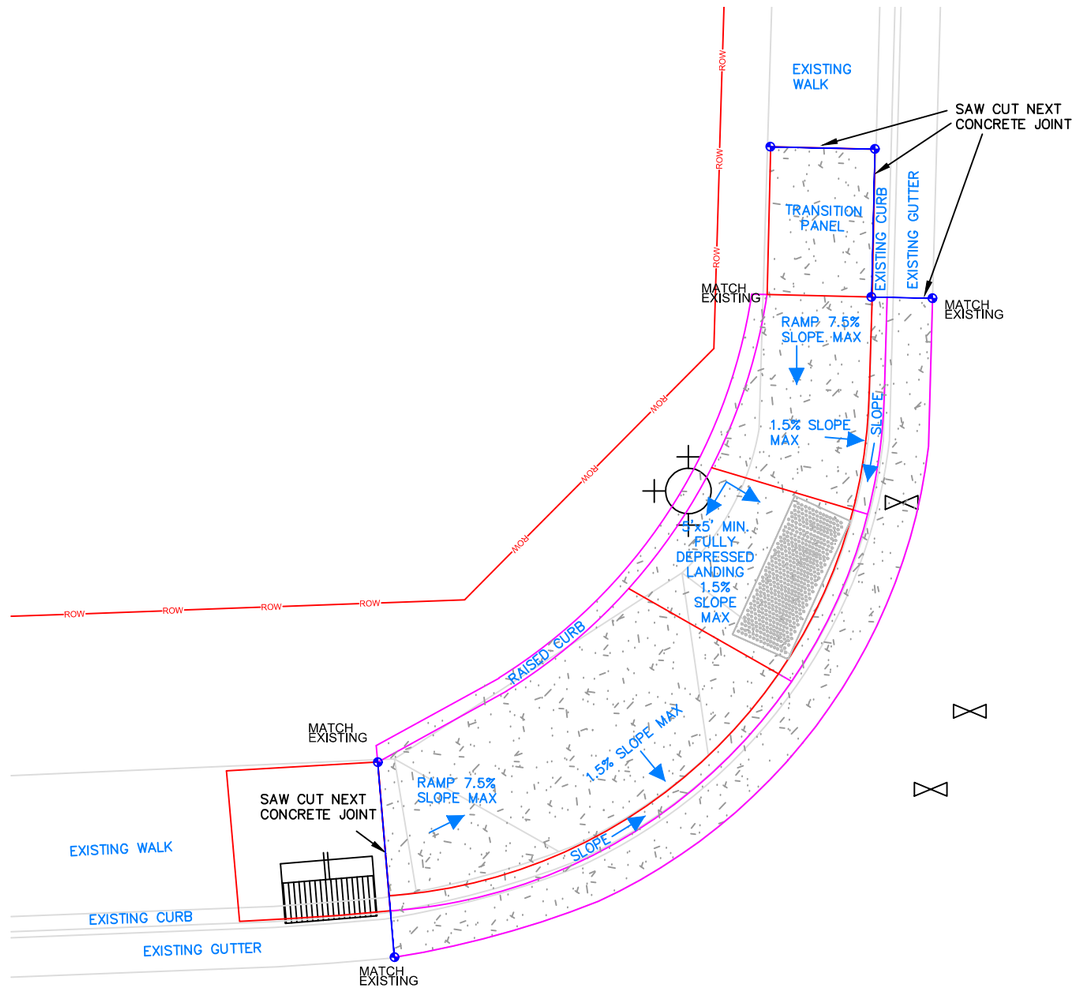
RAMP QUANTITIES:

ADA RAMPS	191 SF
SIDEWALKS	45 SF



SOUTH 43RD STREET AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'	SHEET J6 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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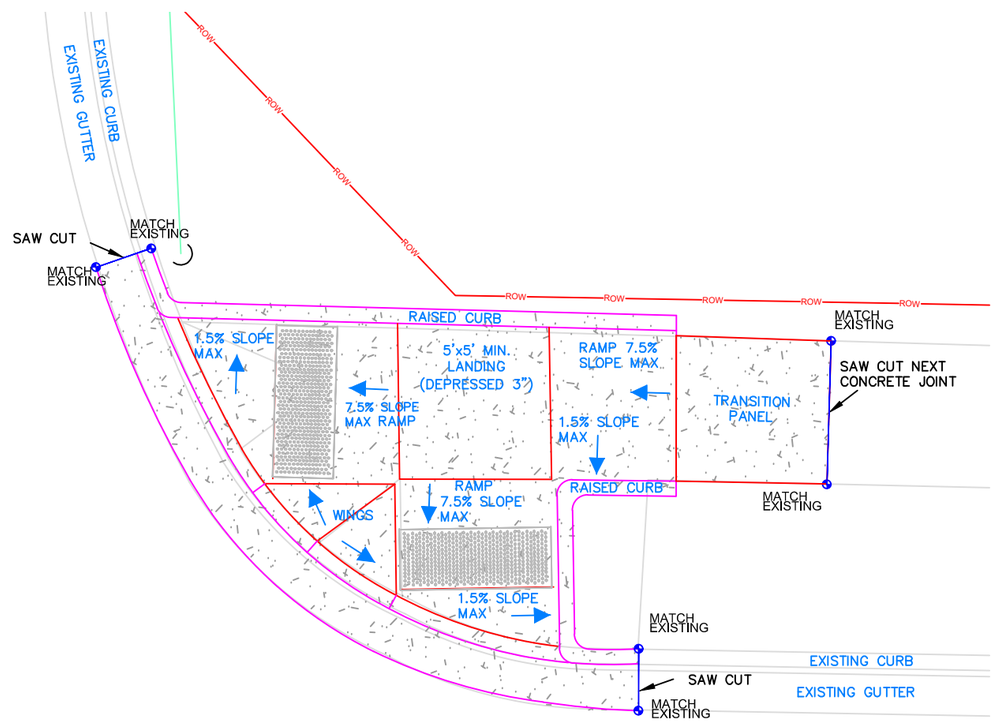
RAMP QUANTITIES:

ADA RAMPS	175 SF
SIDEWALKS	25 SF



SOUTH 43RD STREET AND DAISY STREET

NORTHEAST CORNER

SCALE: 1"=5'

No.	Revision/Issue	Date

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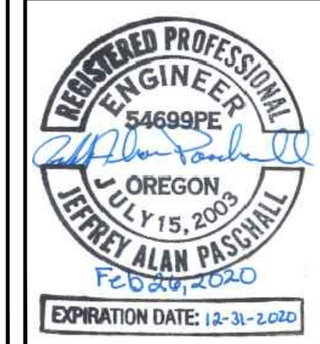

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J7 OF 105

February 27, 2020

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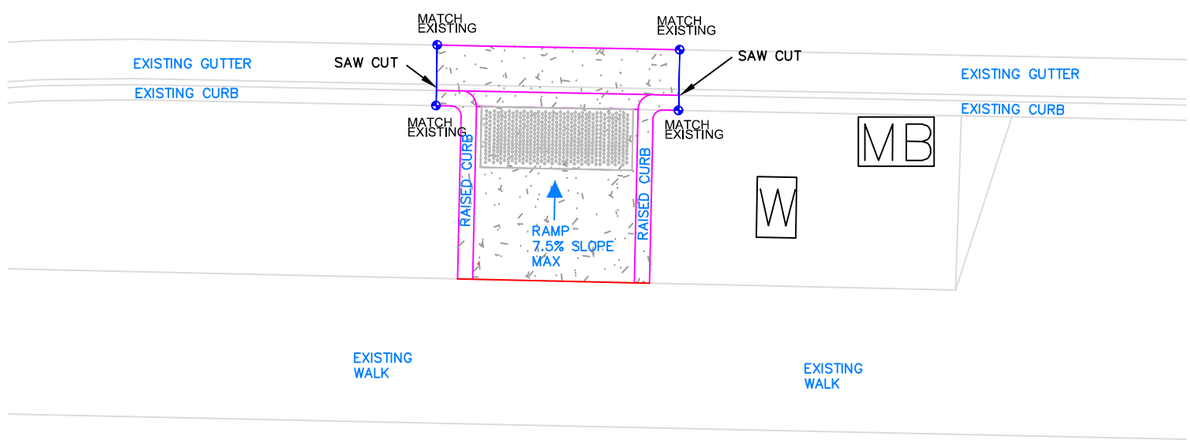
RAMP QUANTITIES:

ADA RAMPS	54 SF



SOUTH 43RD STREET AND DAISY STREET

SOUTHEAST SIDE

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J8 OF 105

February 27, 2020

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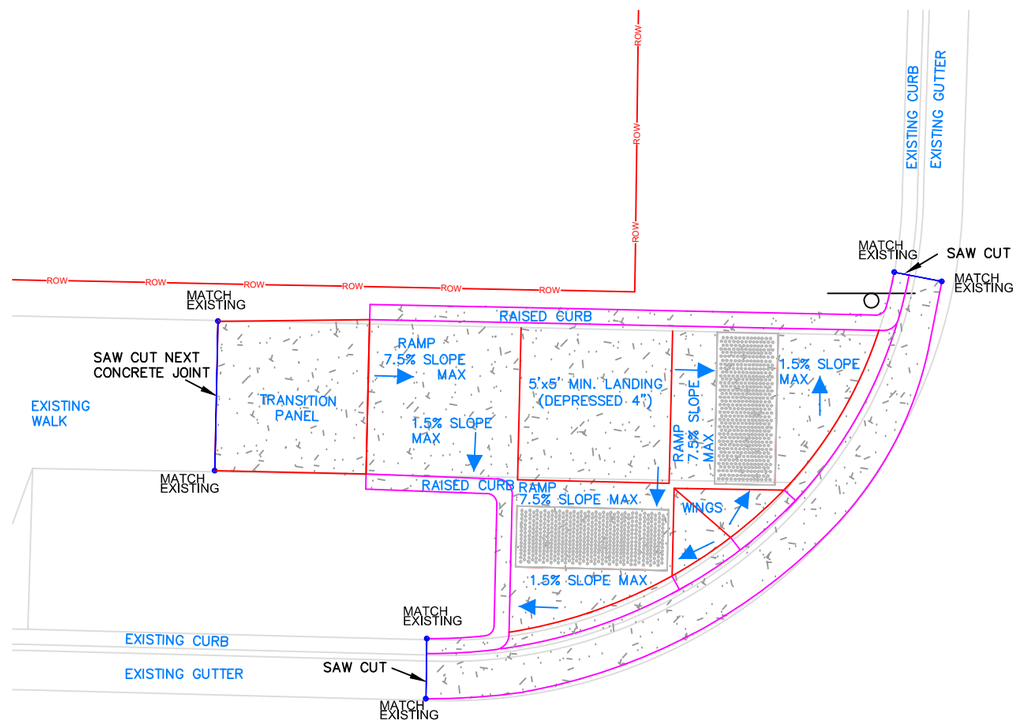
RAMP QUANTITIES:

ADA RAMPS	170 SF
SIDEWALKS	25 SF



SOUTH 43RD PLACE AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J9 OF 105

February 27, 2020

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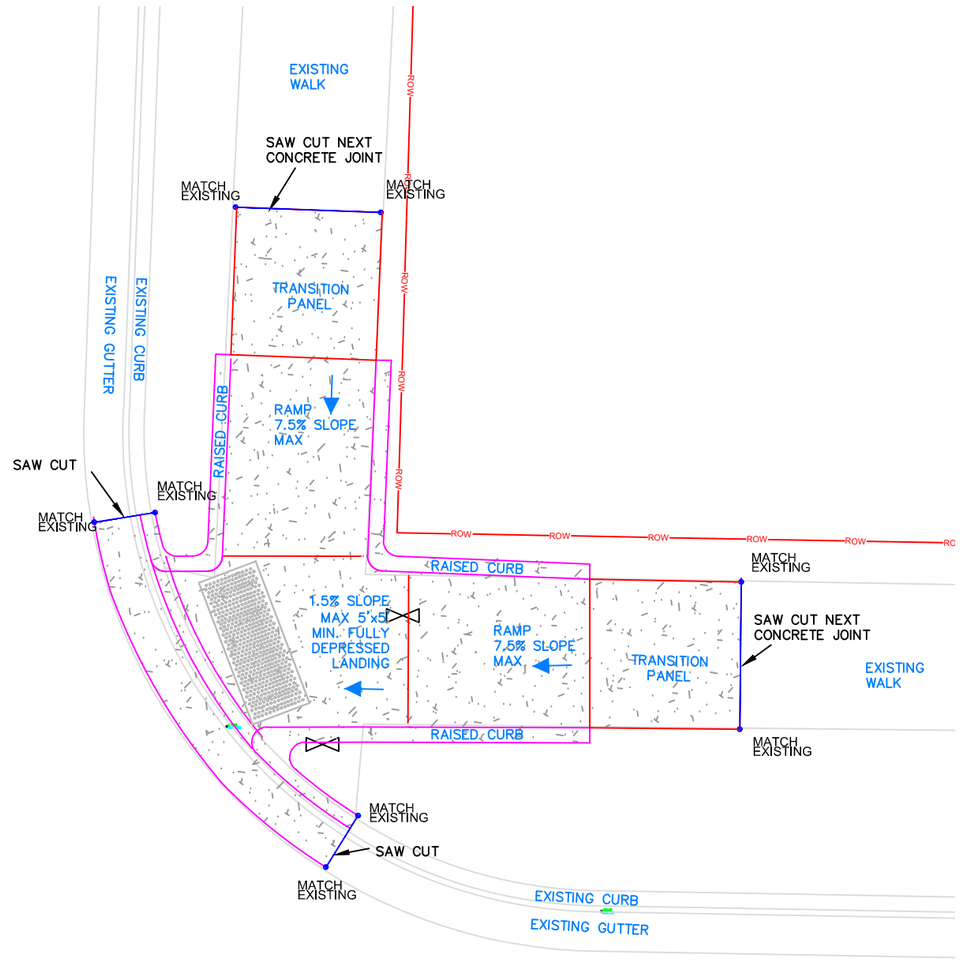
RAMP QUANTITIES:

ADA RAMPS	148 SF
SIDEWALKS	50 SF



SOUTH 43RD PLACE AND DAISY STREET

NORTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

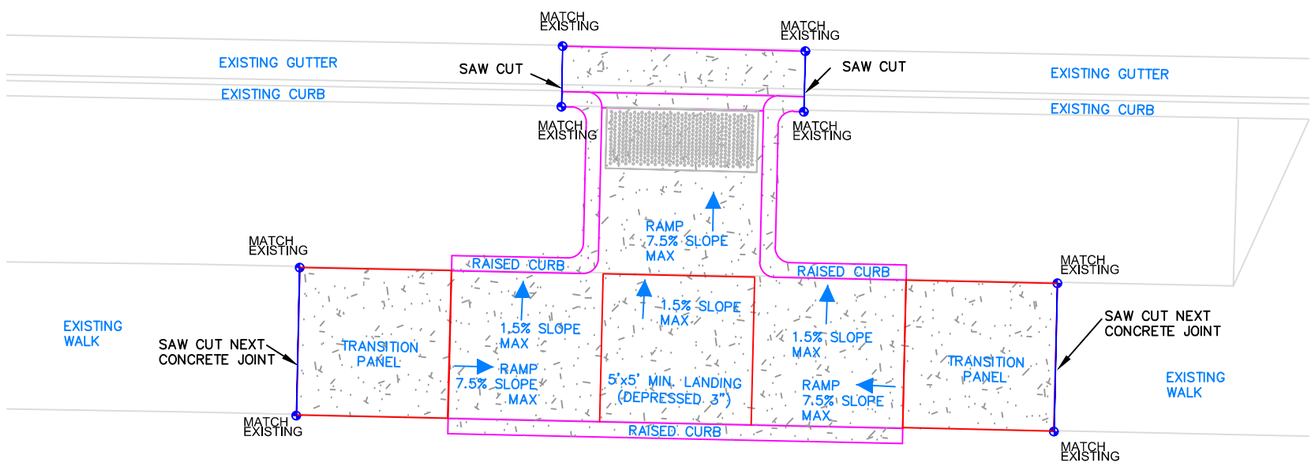
SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J10 OF 105

RAMP QUANTITIES:

ADA RAMPS	148 SF
SIDEWALKS	50 SF



SOUTH 43RD PLACE AND DAISY STREET

SOUTHWEST SIDE

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J11 OF 105

February 27, 2020

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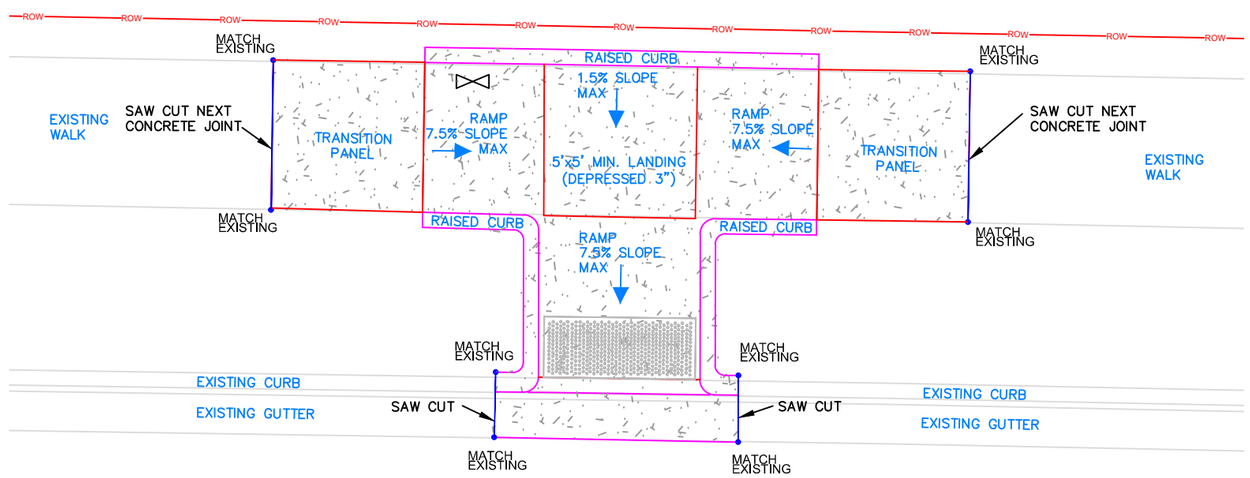
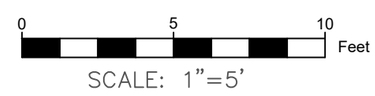
RAMP QUANTITIES:

ADA RAMPS	127 SF
SIDEWALKS	50 SF



SOUTH 44TH STREET AND DAISY STREET

NORTHWEST SIDE



No.	Revision/Issue	Date

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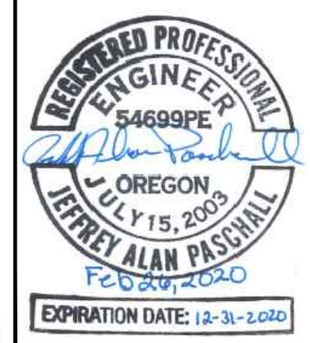

RAMP DETAILS

SCALE: 1" = 5'	SHEET J12 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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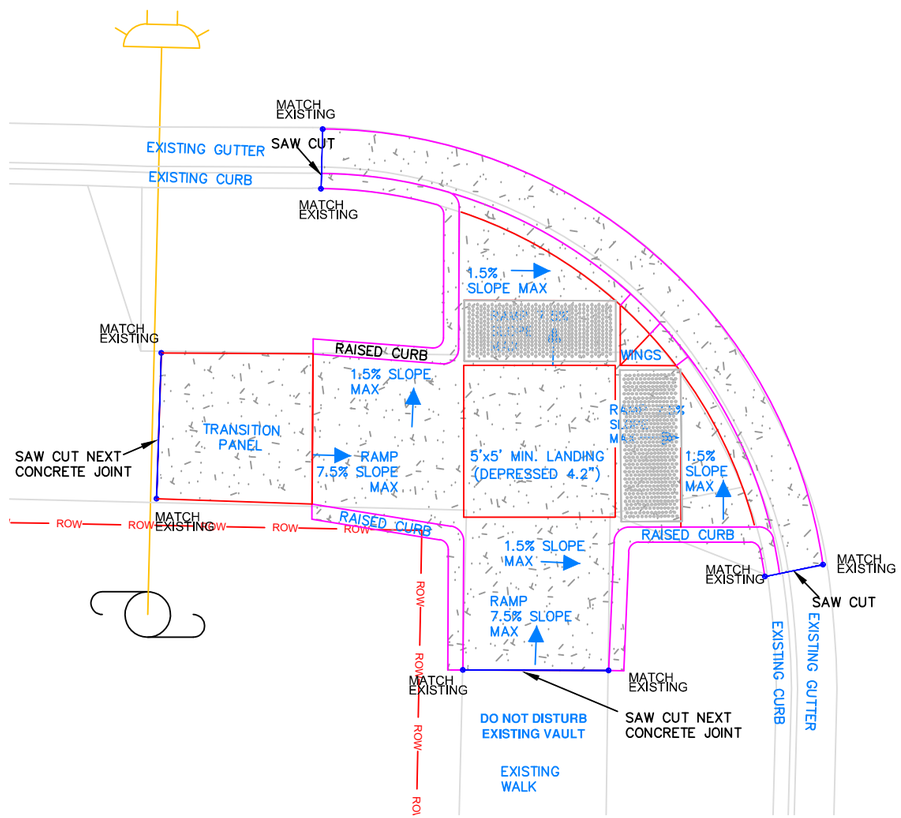
RAMP QUANTITIES:

ADA RAMPS	179 SF
SIDEWALKS	25 SF



SOUTH 44TH STREET AND DAISY STREET

SOUTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J13 OF 105

February 27, 2020

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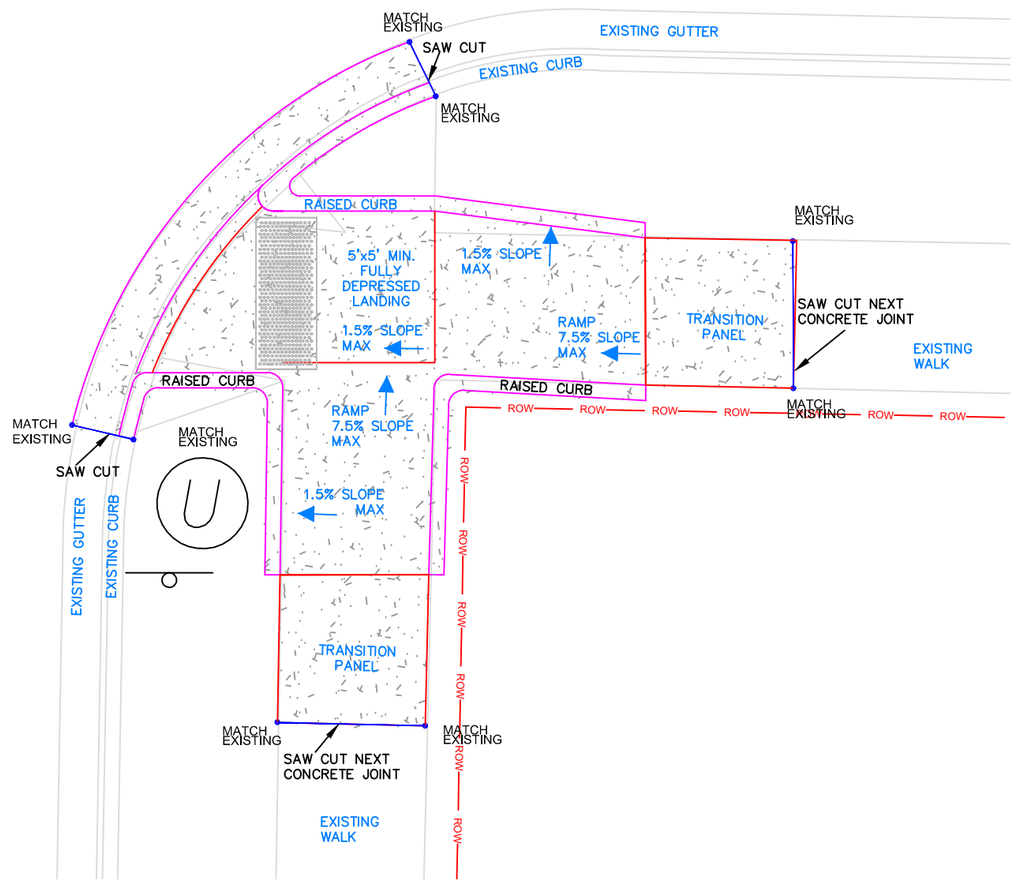
RAMP QUANTITIES:

ADA RAMPS	168 SF
SIDEWALKS	50 SF



SOUTH 44TH STREET AND DAISY STREET

SOUTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J14 OF 105

February 27, 2020

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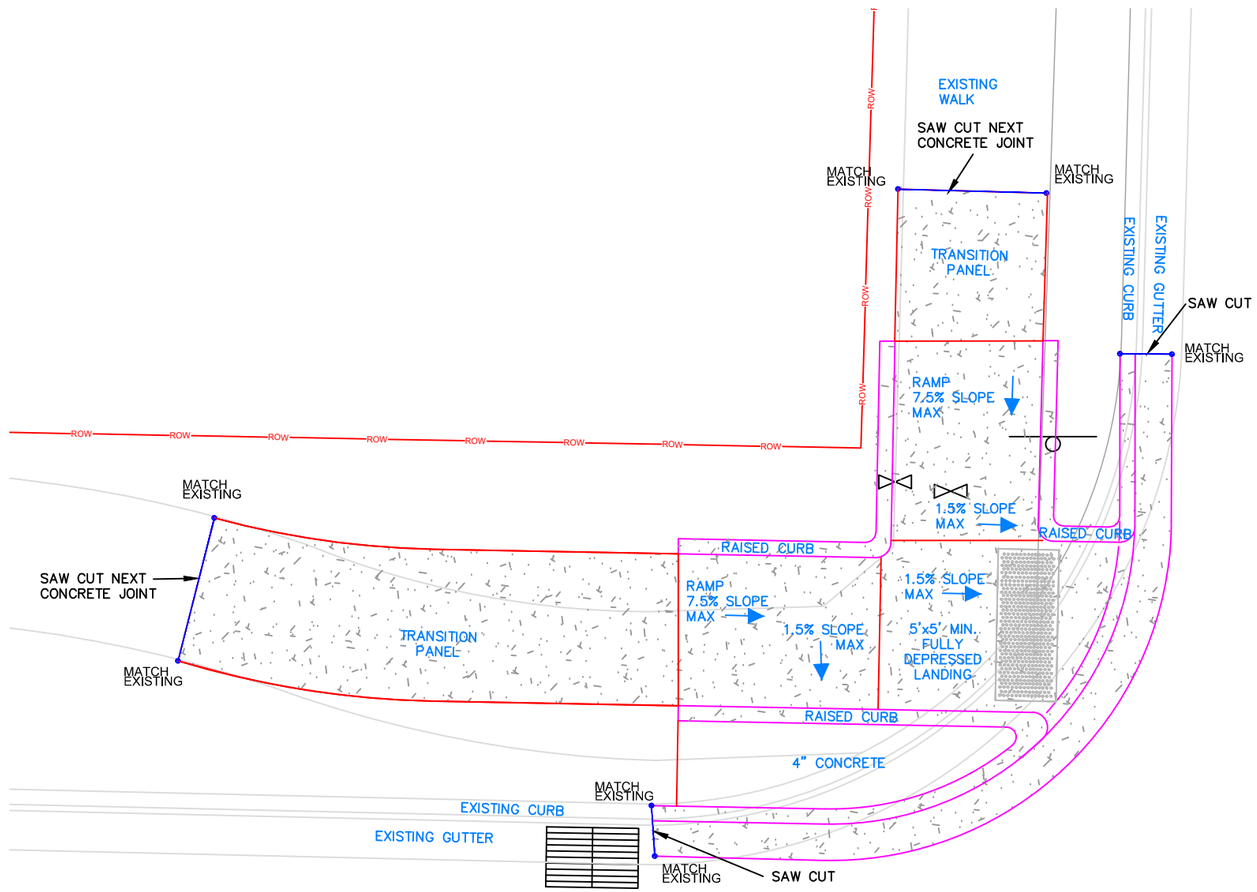
RAMP QUANTITIES:

ADA RAMPS	142 SF
SIDEWALKS	133 SF
CONCRETE CURB AND GUTTER	12 FT



SOUTH 44TH STREET AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

UTILITY LOCATIONS ARE APPROXIMATE
DO NOT
SCALE OR LOCATE UTILITY LINES OR MAINS FROM THESE DRAWINGS
CALL FOR UTILITY LOCATES 811 or (1-800-332-2344)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING UTILITY LOCATIONS PRIOR TO BEGINNING OF CONSTRUCTION. THESE PLANS MAY NOT SHOW ALL UTILITIES OR THE CORRECT LOCATIONS.

Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J15 OF 105

February 27, 2020

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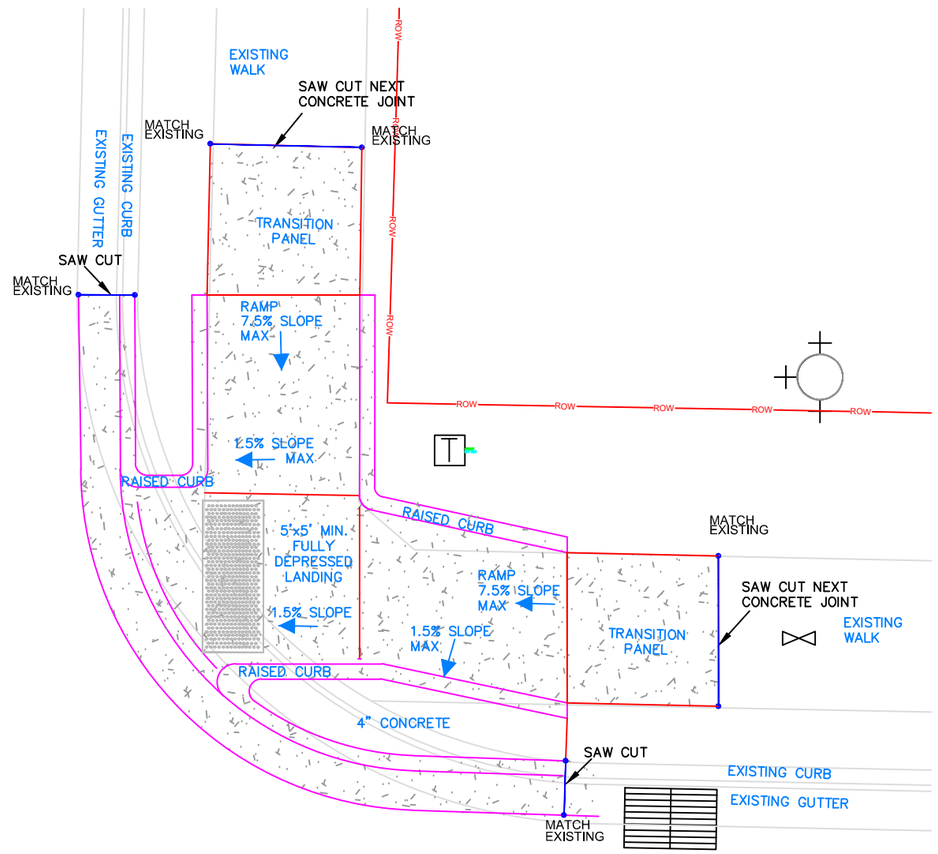
RAMP QUANTITIES:

ADA RAMPS	143 SF
SIDEWALKS	50 SF



SOUTH 44TH STREET AND DAISY STREET

NORTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J16 OF 105

February 27, 2020

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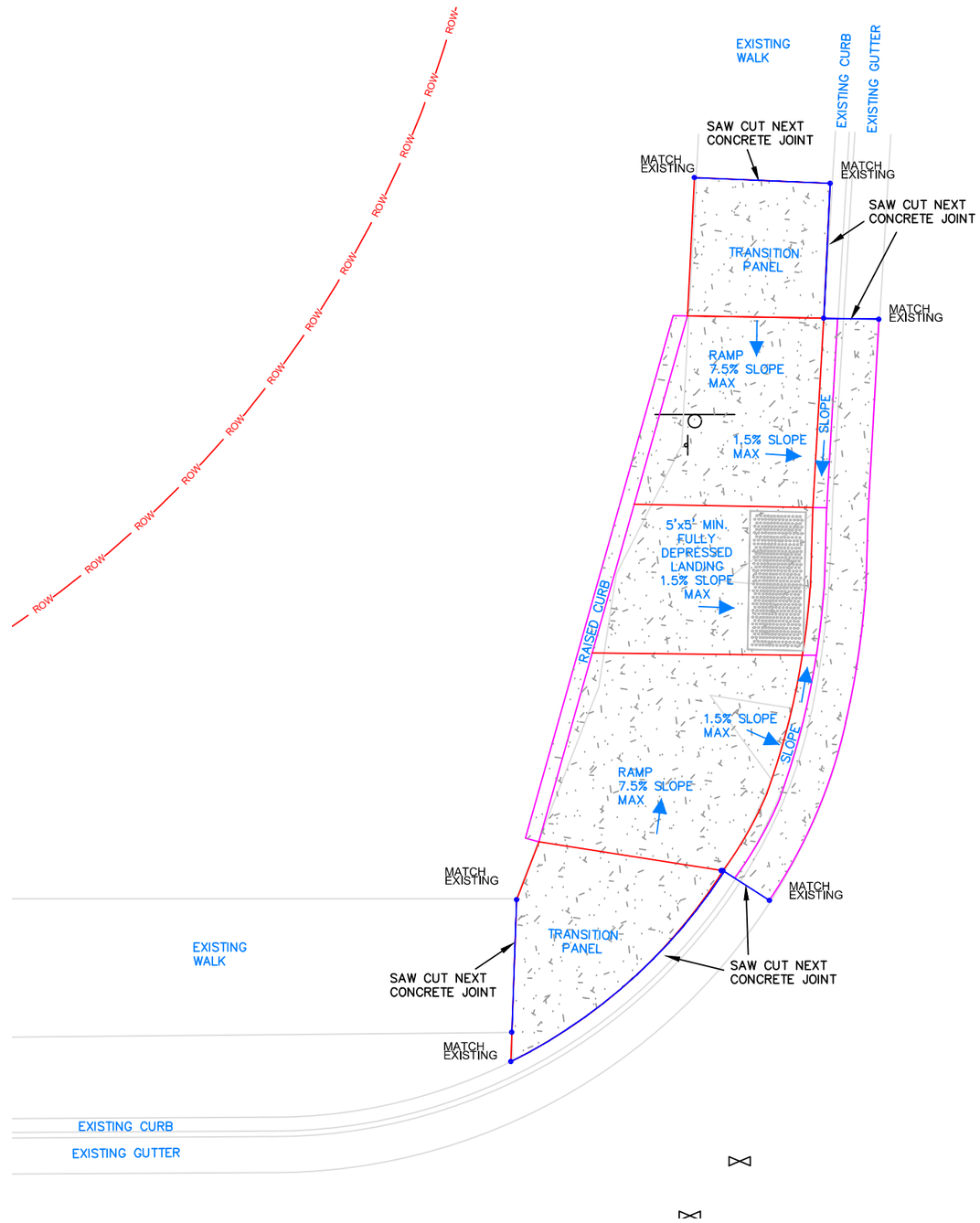
RAMP QUANTITIES:

ADA RAMPS	183 SF
SIDEWALKS	60 SF



SOUTH 46TH STREET AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J17 OF 105

February 27, 2020

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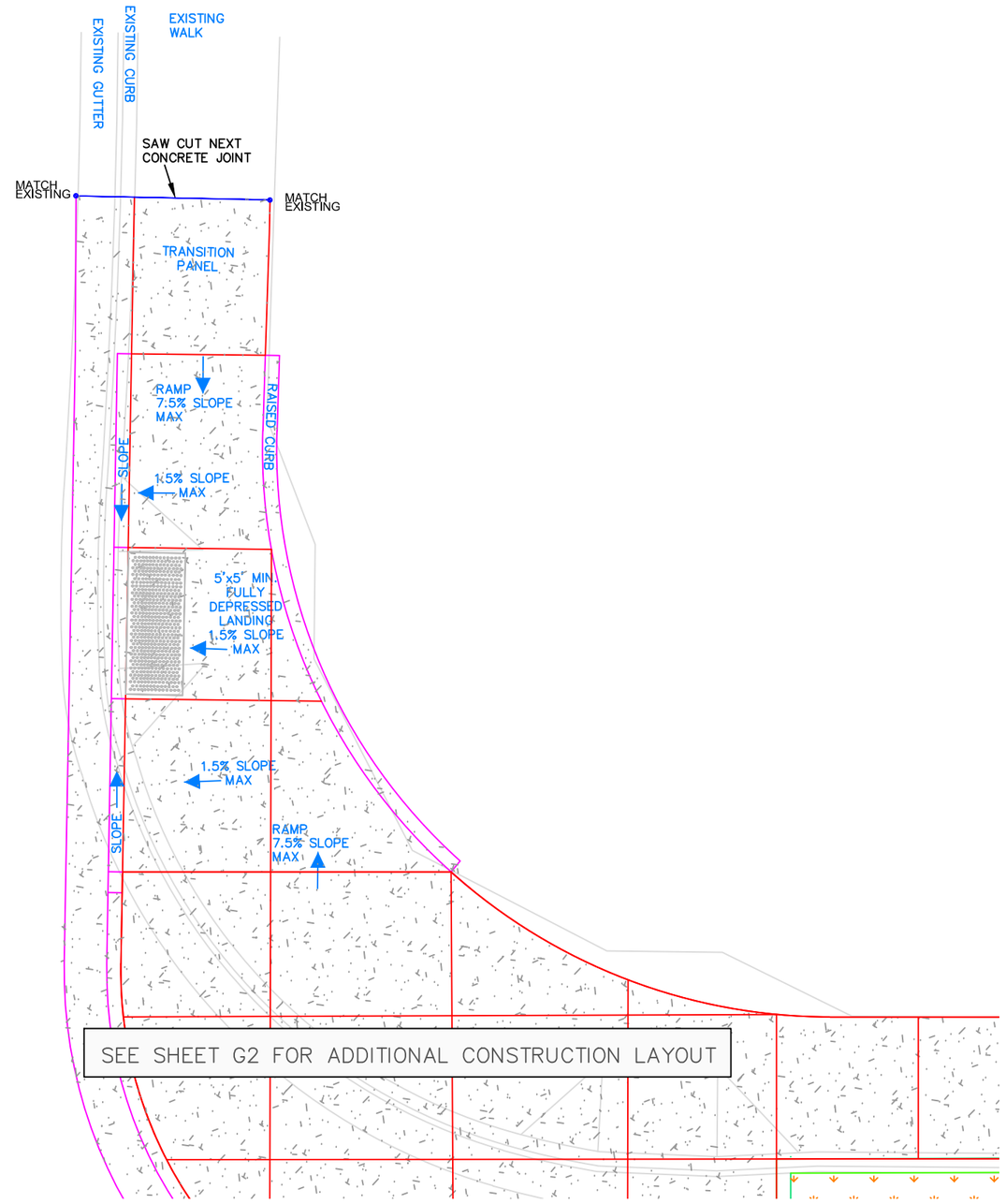
RAMP QUANTITIES:

ADA RAMPS	173 SF
SIDEWALKS	25 SF
CONCRETE CURB AND GUTTER	SEE G2



SOUTH 46TH STREET AND DAISY STREET

NORTHEAST CORNER

0 10 20 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
FEB 28, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 10'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J18 OF 105

February 27, 2020

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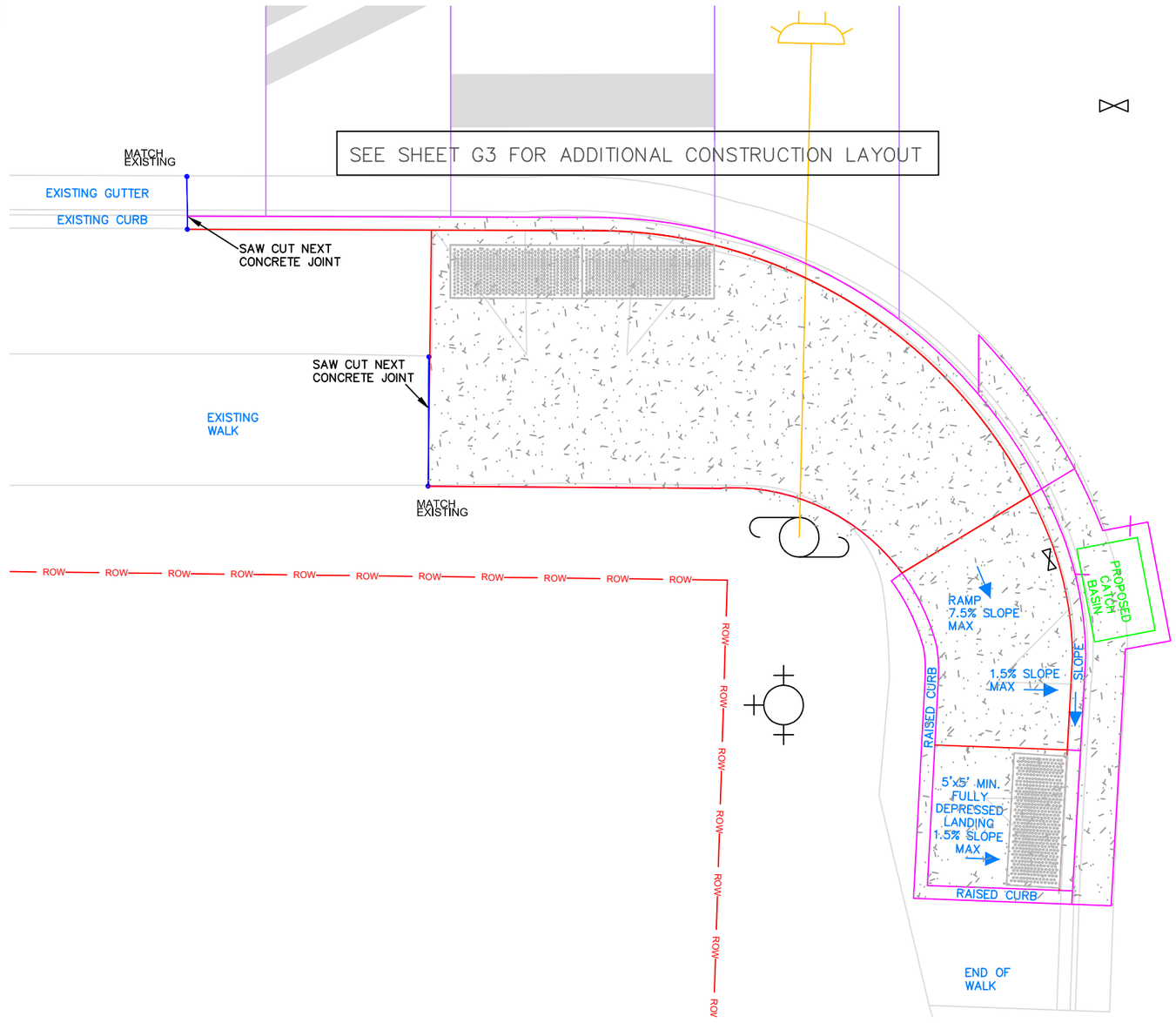
RAMP QUANTITIES:

ADA RAMPS	111 SF
SIDEWALKS	SEE G3
CONCRETE CURB AND GUTTER	SEE G3



SOUTH 46TH STREET AND DAISY STREET

SOUTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J19 OF 105

February 27, 2020

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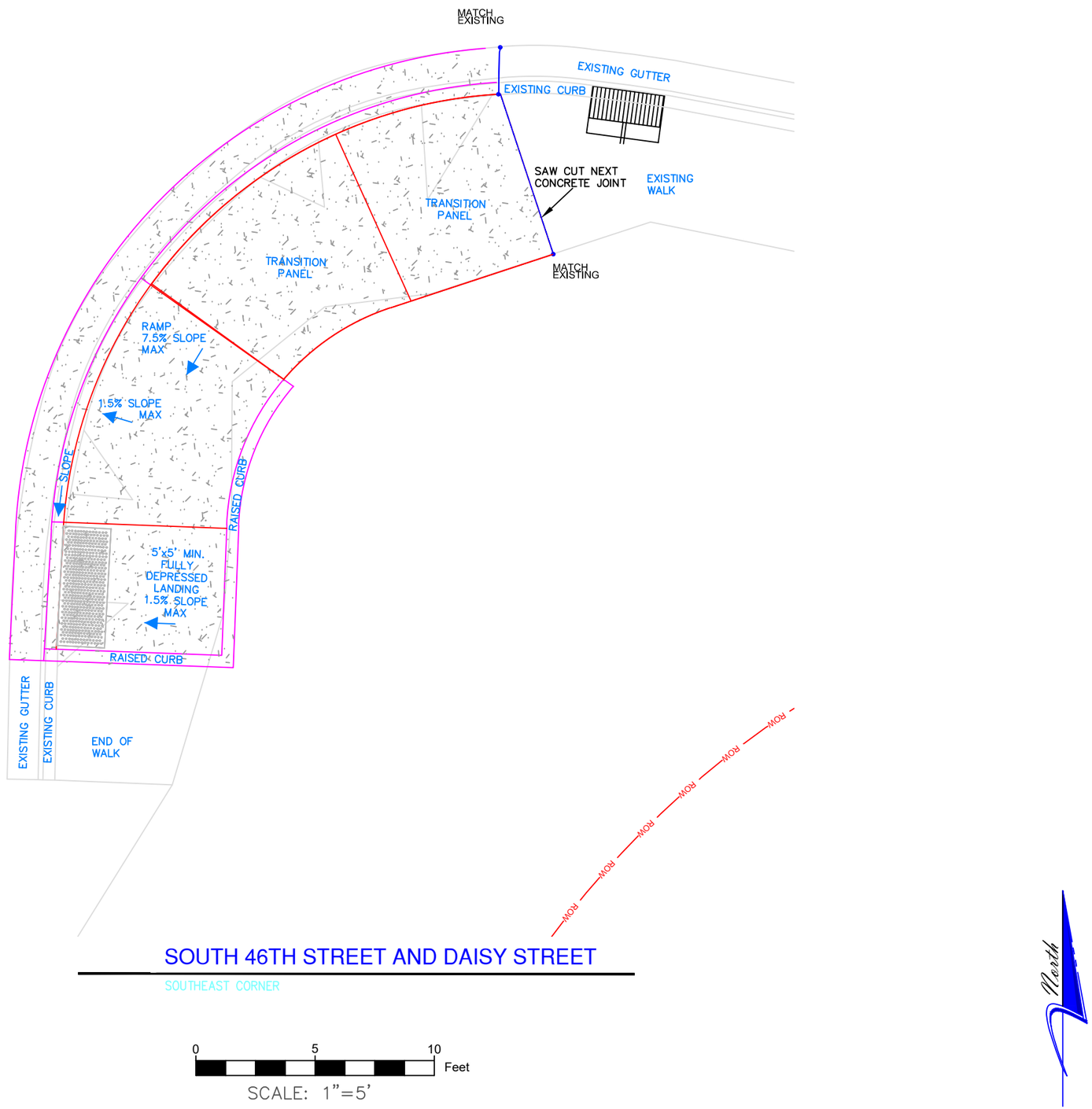
RAMP QUANTITIES:

ADA RAMPS	143 SF
SIDEWALKS	109 SF
CONCRETE CURB AND GUTTER	20 FT



No.	Revision/Issue	Date

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J20 OF 105

February 27, 2020

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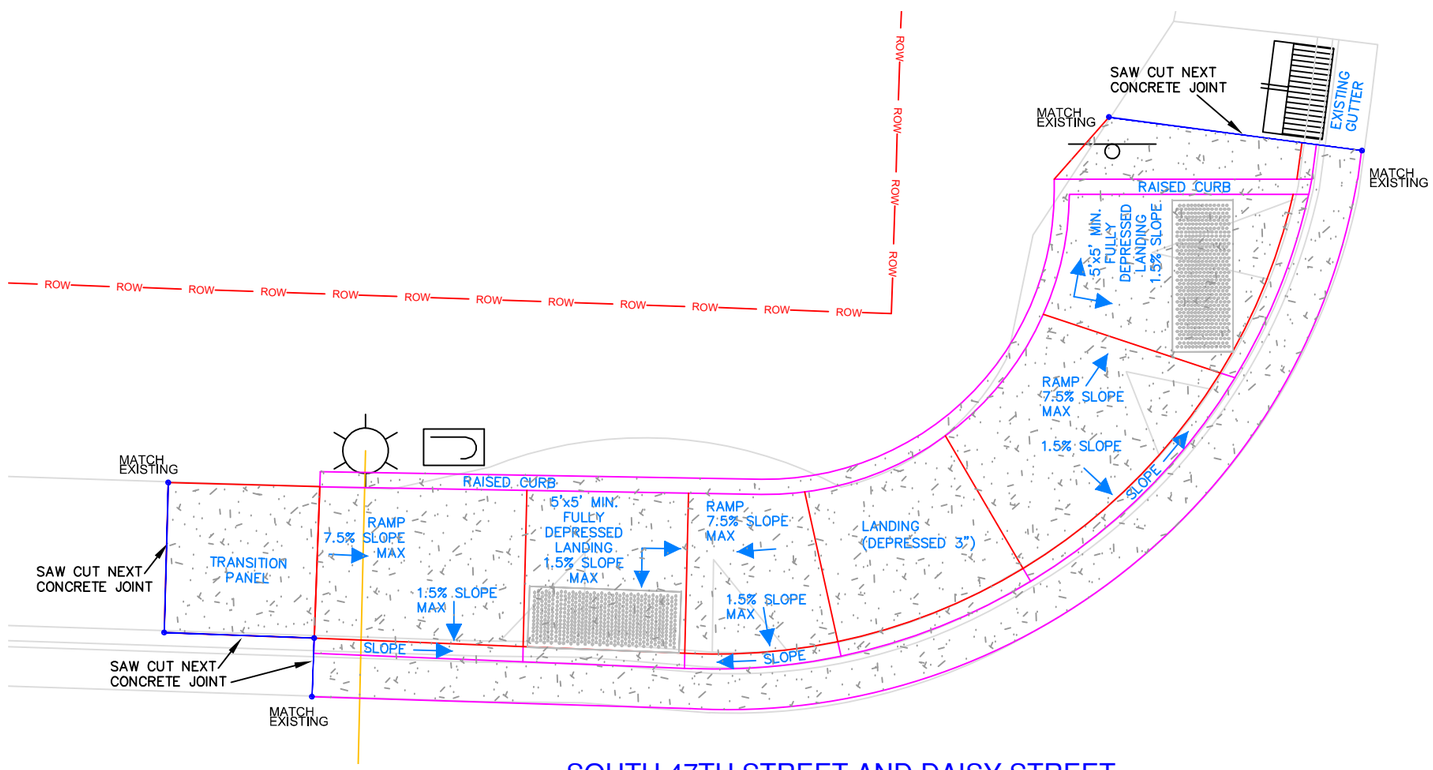
RAMP QUANTITIES:

ADA RAMPS	311 SF
SIDEWALKS	25 SF



SOUTH 47TH STREET AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J21 OF 105

February 27, 2020

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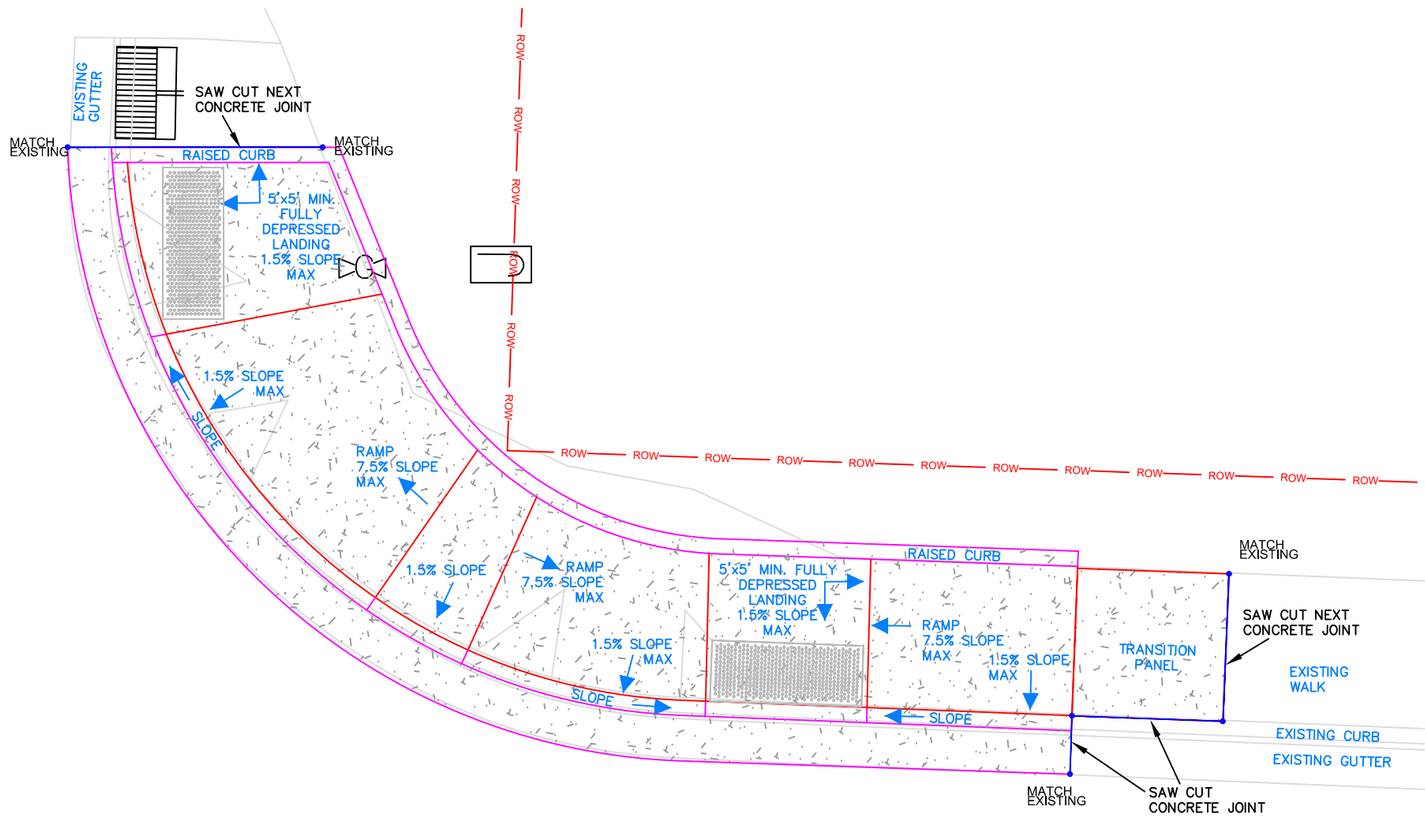
RAMP QUANTITIES:

ADA RAMPS	310 SF
SIDEWALKS	25 SF



SOUTH 47TH STREET AND DAISY STREET

NORTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 28, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J22 OF 105

February 27, 2020

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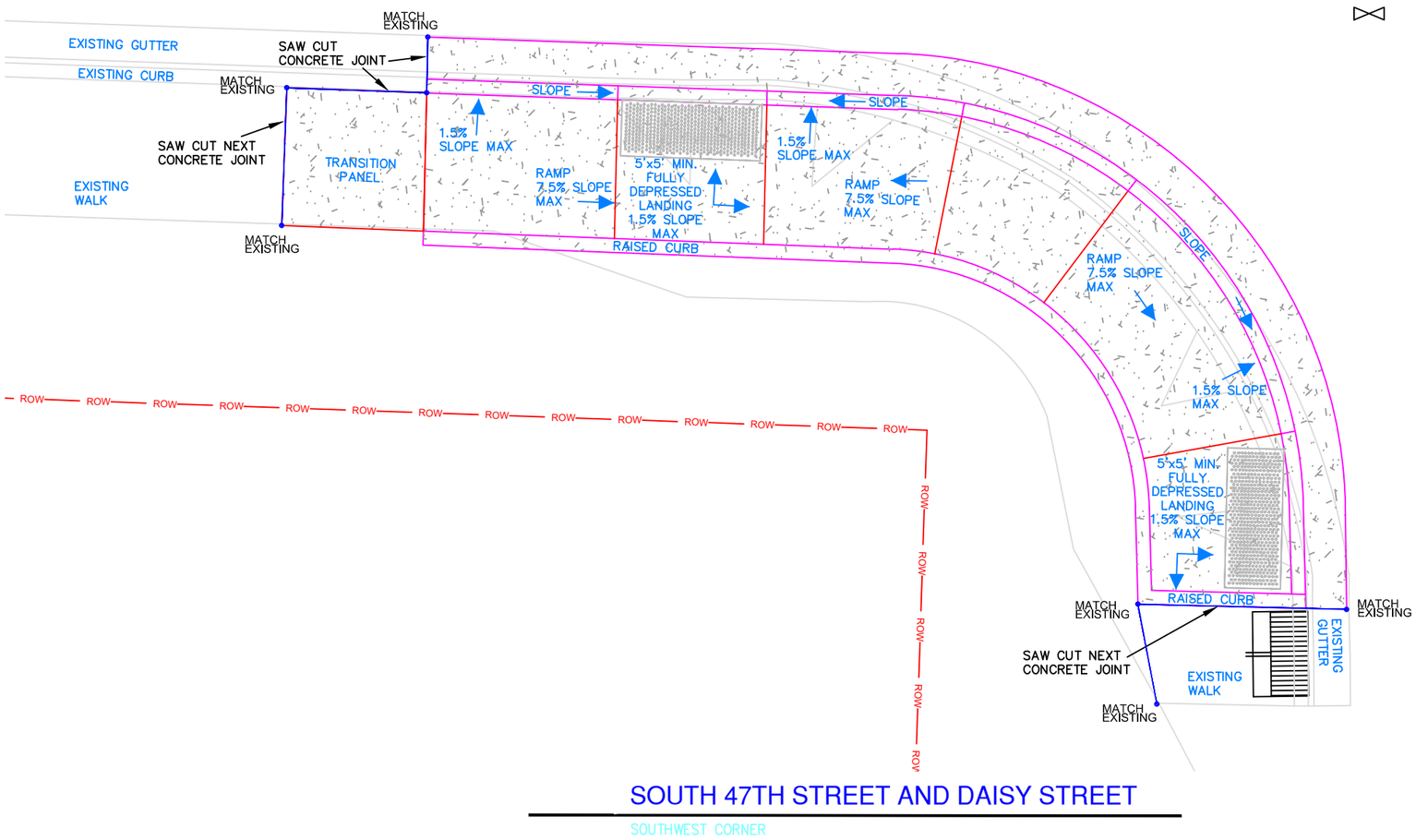
RAMP QUANTITIES:

ADA RAMPS	297 SF
SIDEWALKS	25 SF



0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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Virginia-Daisy Bikeway - PHASE 1A

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J23 OF 105

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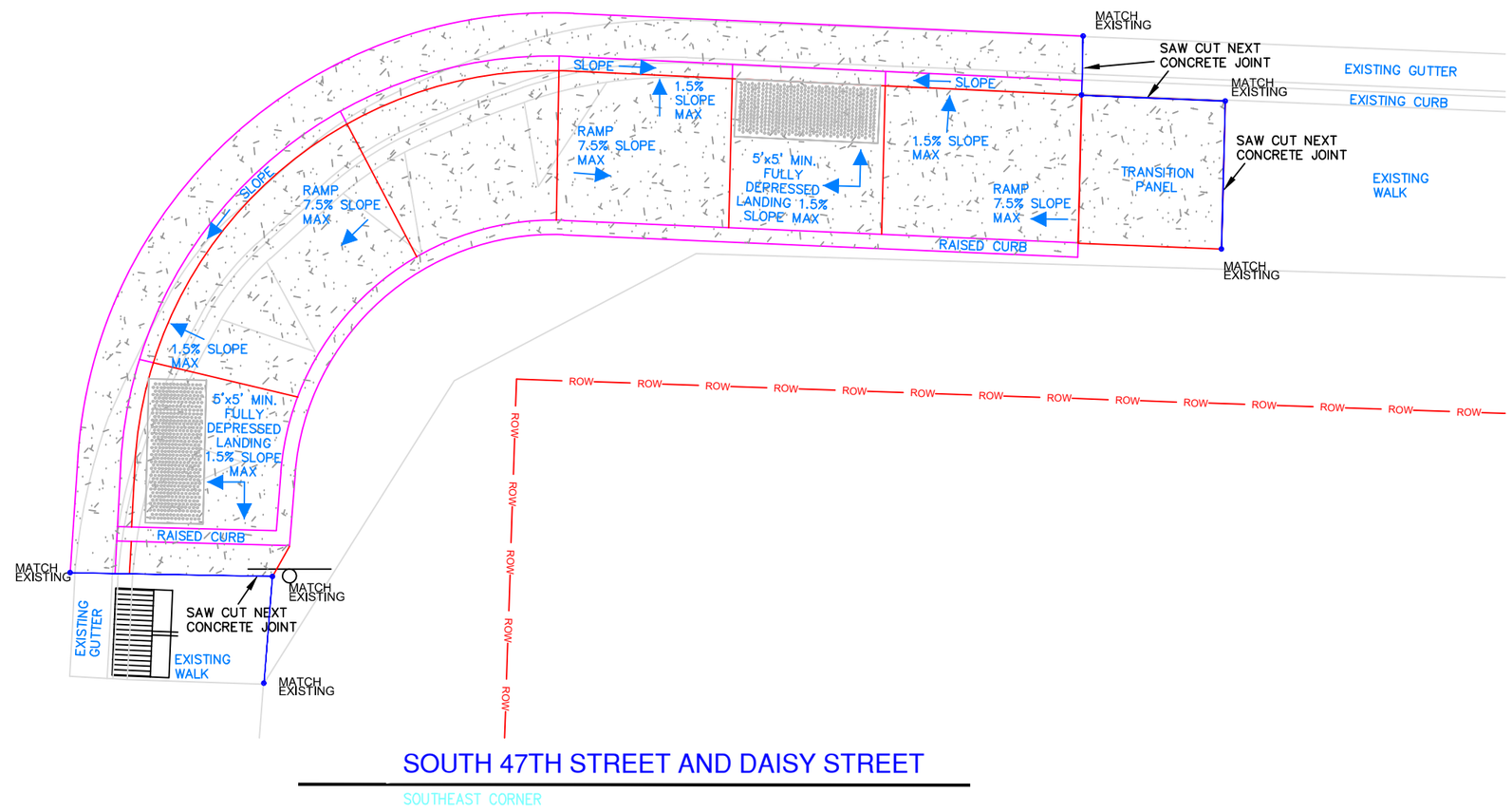
February 27, 2020

RAMP QUANTITIES:

ADA RAMPS	320 SF
SIDEWALKS	25 SF



No.	Revision/Issue	Date

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Project P21114
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City of Springfield

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J24 OF 105

February 27, 2020

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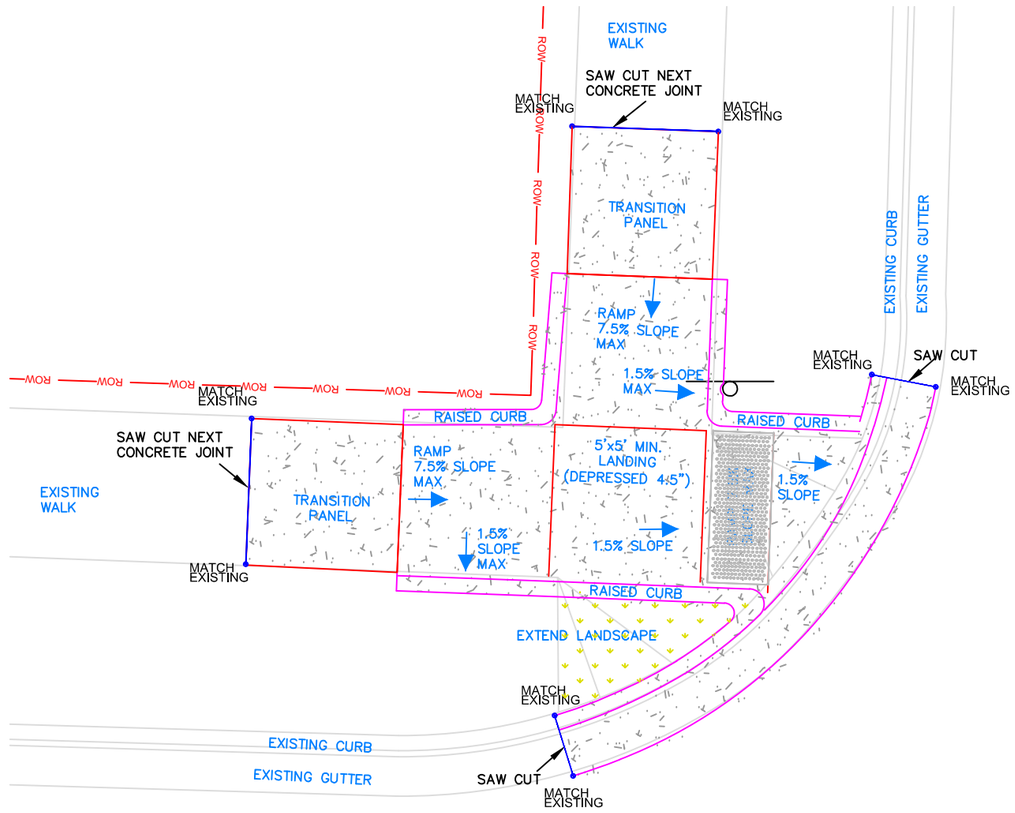
RAMP QUANTITIES:

ADA RAMPS	136 SF
SIDEWALKS	50 SF
CONCRETE CURB AND GUTTER	6 FT



SOUTH 48TH STREET AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J25 OF 105

February 27, 2020

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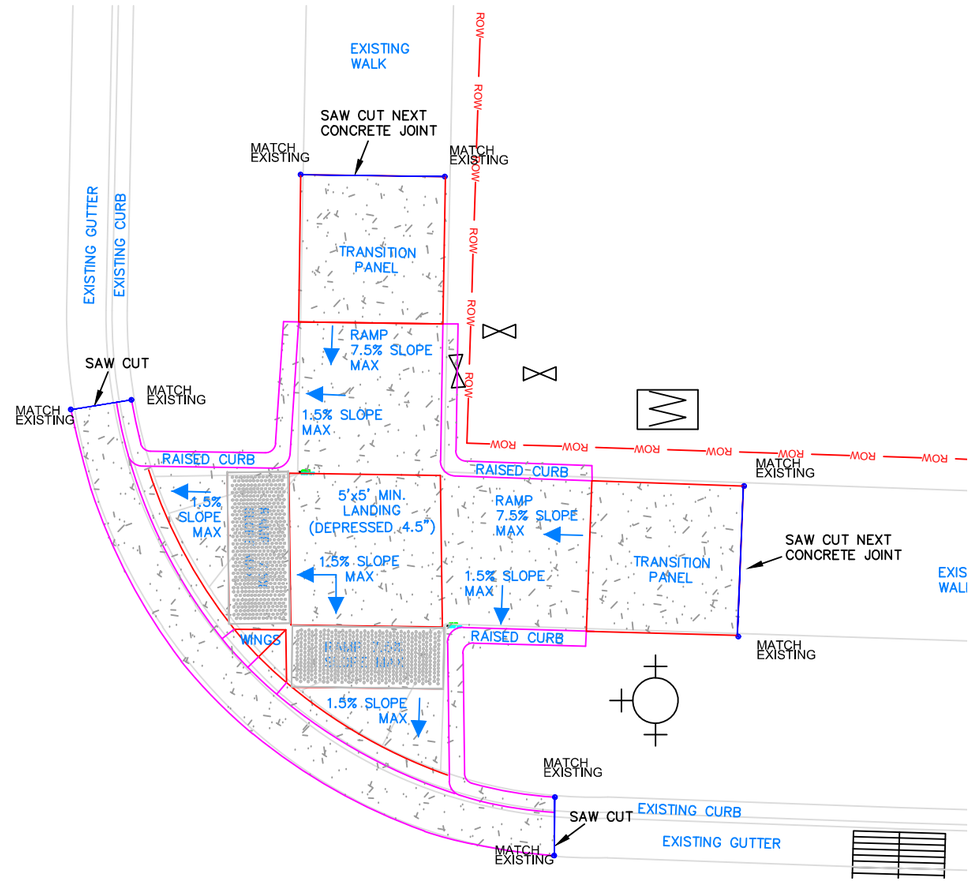
RAMP QUANTITIES:

ADA RAMPS	175 SF
SIDEWALKS	50 SF



SOUTH 48TH STREET AND DAISY STREET

NORTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J26 OF 105

February 27, 2020

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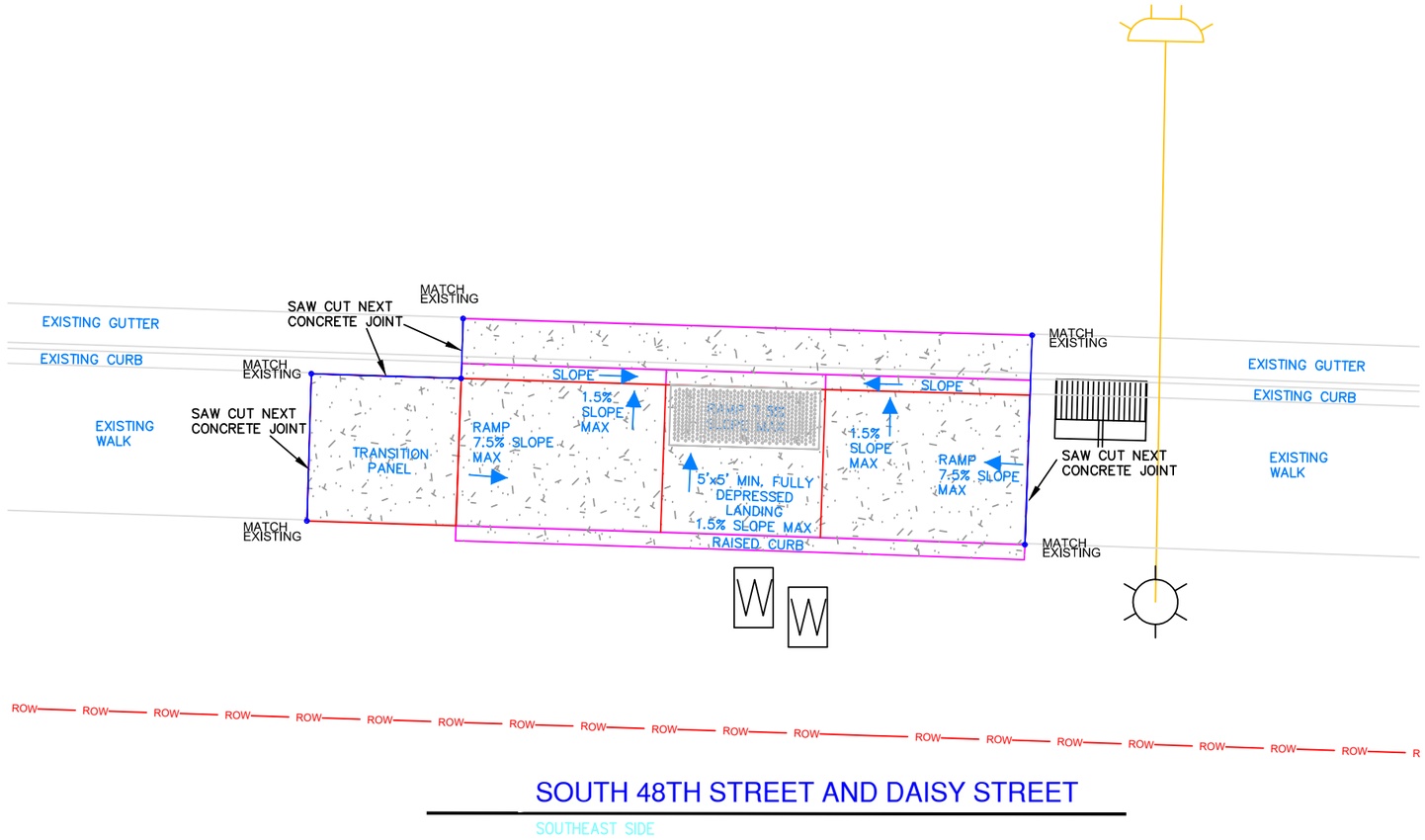
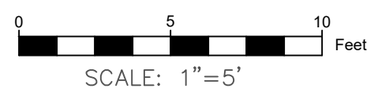
RAMP QUANTITIES:

ADA RAMPS	143 SF
SIDEWALKS	25 SF





No.	Revision/Issue	Date

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JULY 15, 2003
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Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'	SHEET J27 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

February 27, 2020

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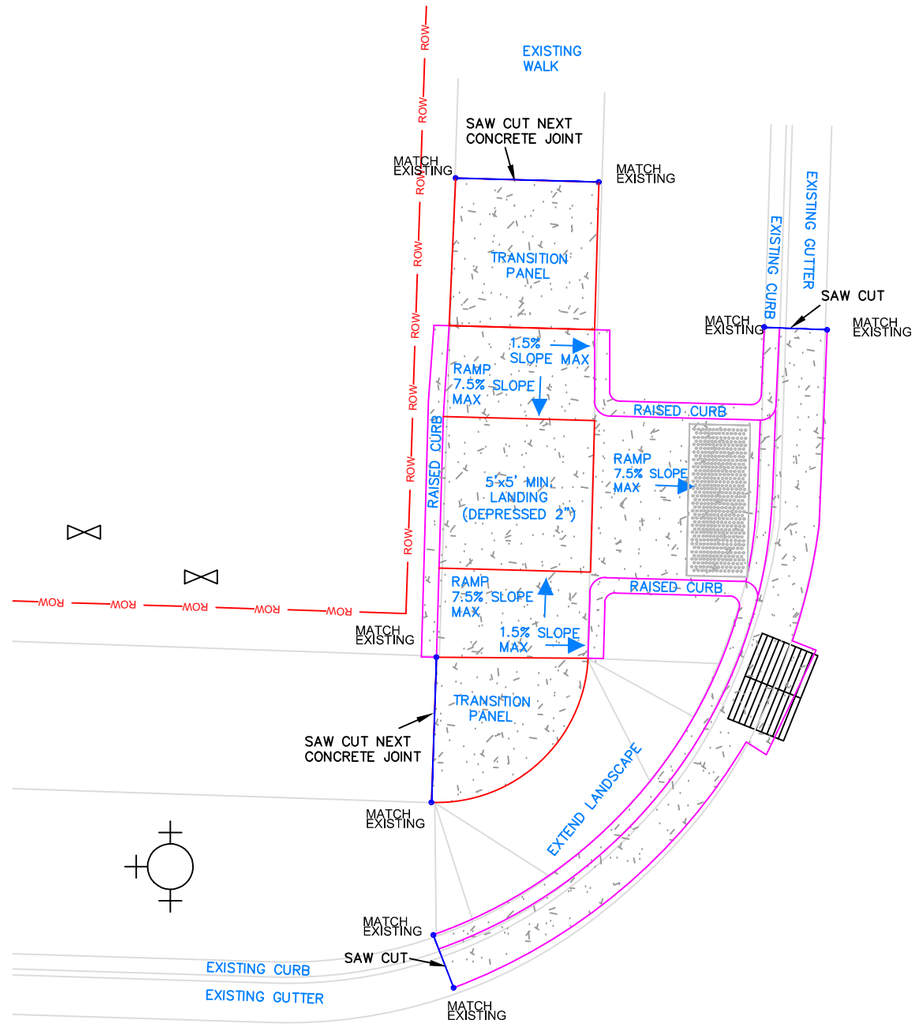
RAMP QUANTITIES:

ADA RAMPS	118 SF
SIDEWALKS	43 SF
CONCRETE CURB AND GUTTER	16 FT



CAMELLIA STREET AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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DO NOT
SCALE OR LOCATE UTILITY LINES OR MAINS FROM THESE DRAWINGS
CALL FOR UTILITY LOCATES 811 or (1-800-332-2344)

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield

PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J28 OF 105

February 27, 2020

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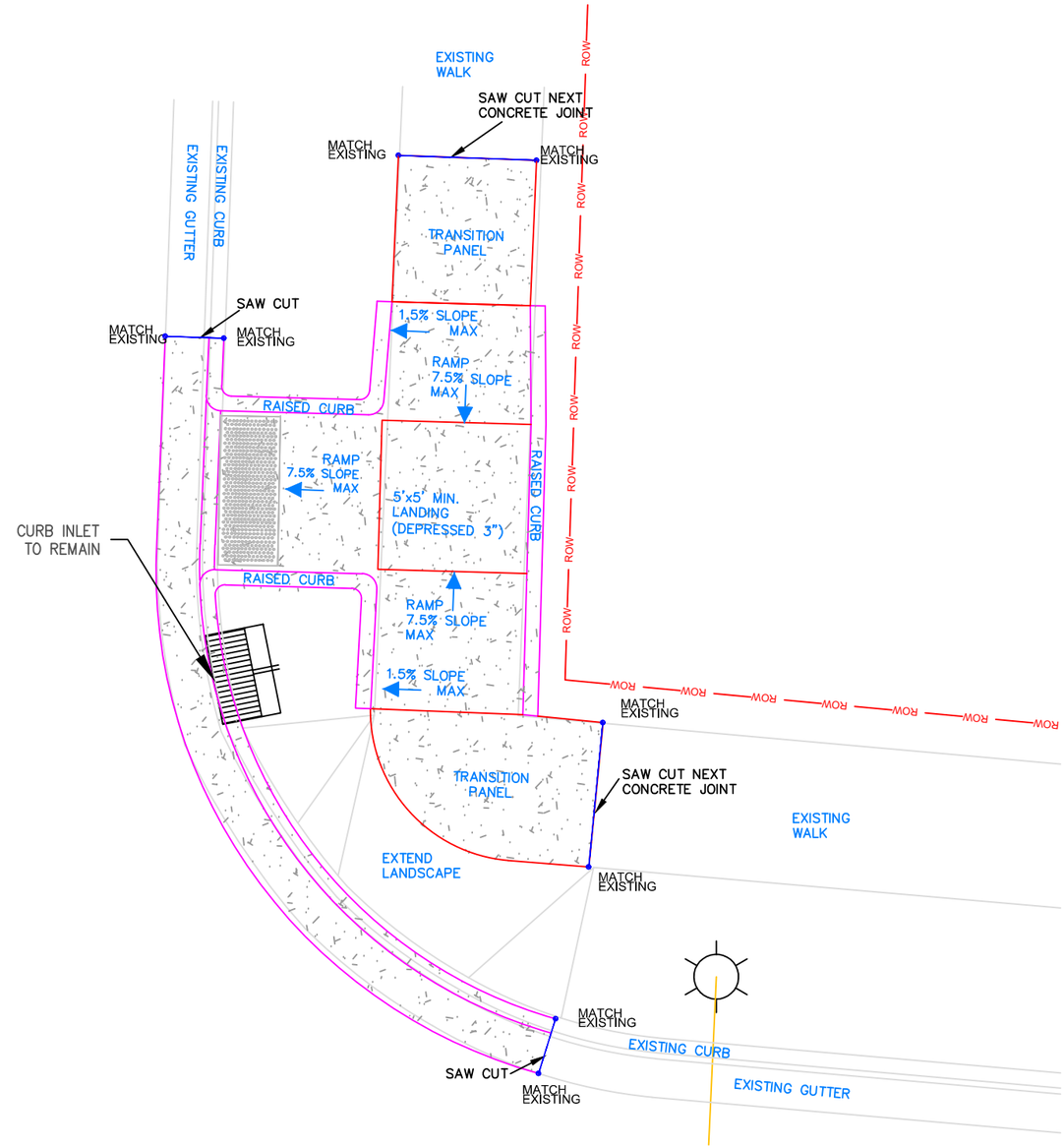
RAMP QUANTITIES:

ADA RAMPS	134 SF
SIDEWALKS	54 SF
CONCRETE CURB AND GUTTER	19 FT



CAMELLIA STREET AND DAISY STREET

NORTHEAST CORNER

SCALE: 1"=5'

No.	Revision/Issue	Date

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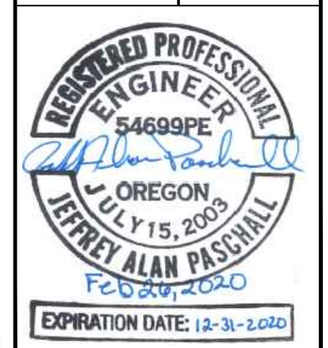


RAMP DETAILS

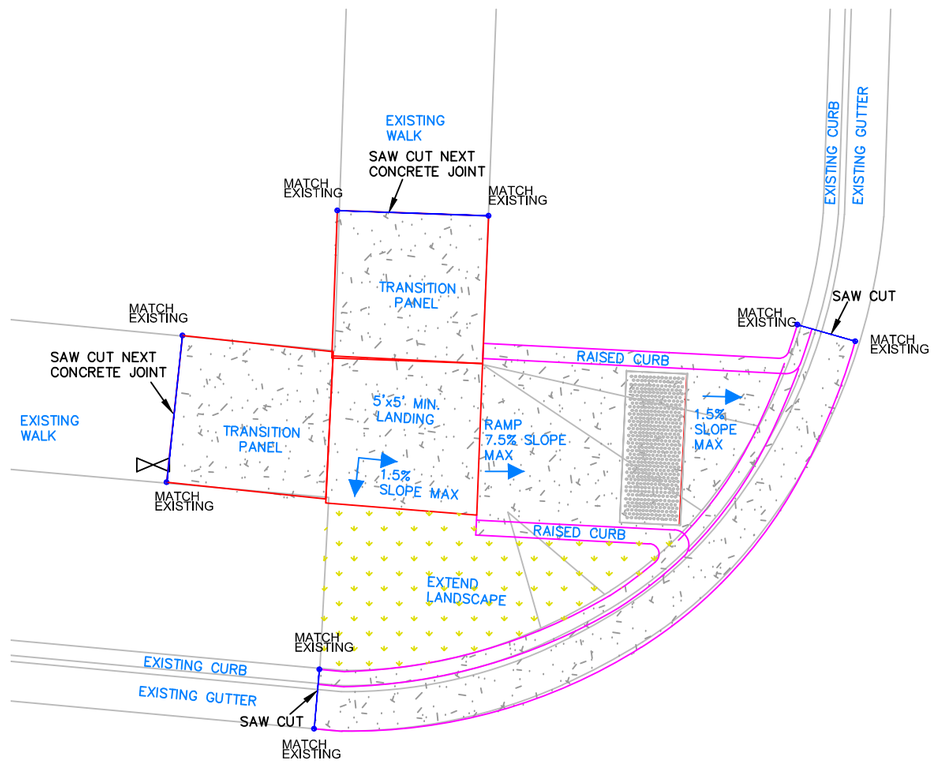
SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J29 OF 105

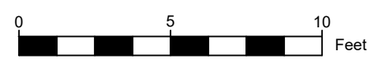
RAMP QUANTITIES:

ADA RAMPS	77 SF
SIDEWALKS	74 SF
CONCRETE CURB AND GUTTER	12 FT



SOUTH 49TH PLACE AND DAISY STREET

NORTHWEST CORNER



SCALE: 1"=5'

No.	Revision/Issue	Date

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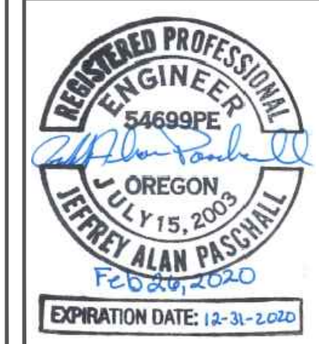

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J30 OF 105

February 27, 2020

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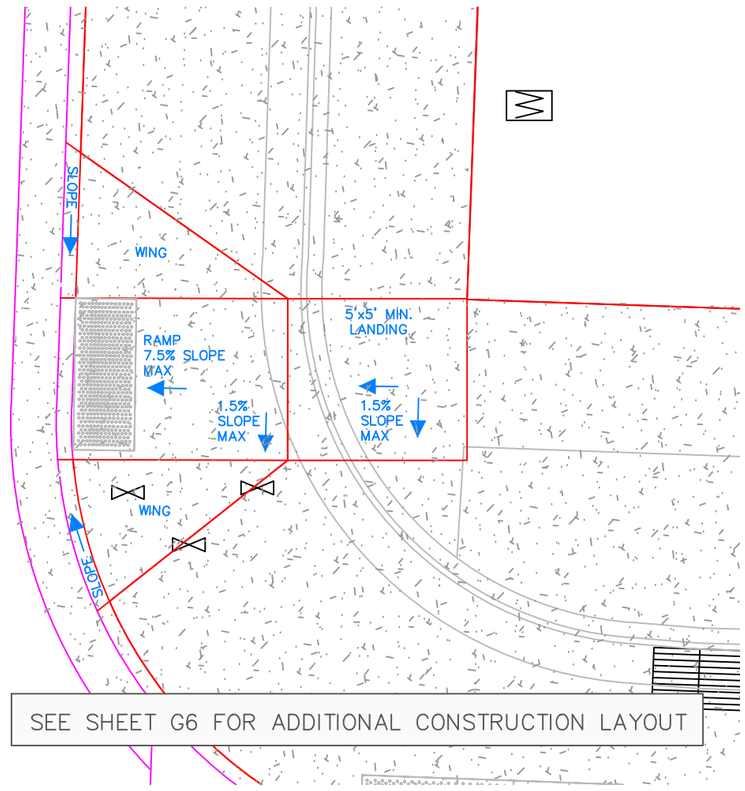
RAMP QUANTITIES:

ADA RAMPS	106 SF
SIDEWALKS	SEE G6
CONCRETE CURB AND GUTTER	SEE G6



SOUTH 49TH PLACE AND DAISY STREET

NORTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

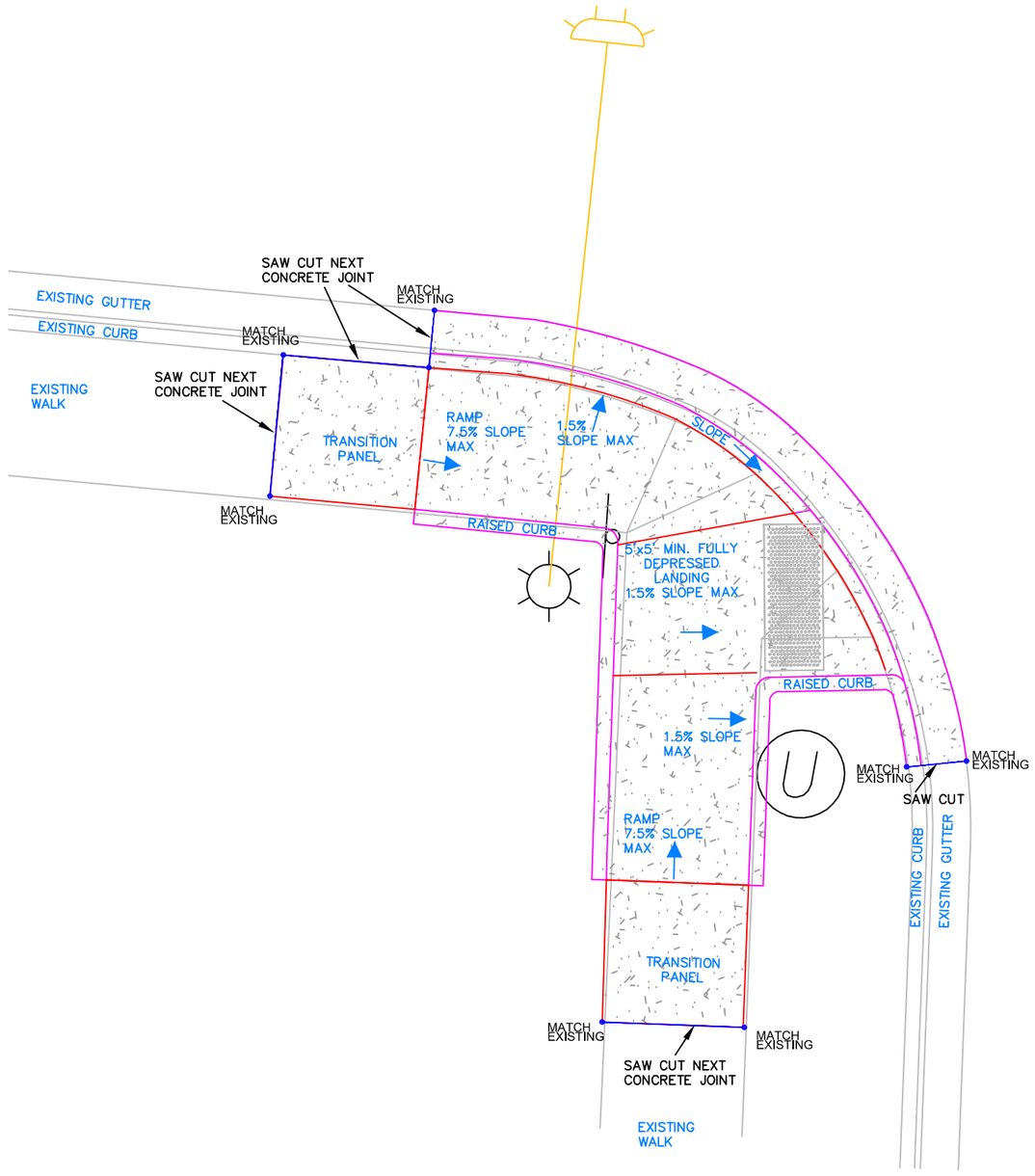
SHEET J31 OF 105

February 27, 2020

\\spifs031\pwdesign\PROJECTS\TRAFFIC\p21114 Virginia-daisy Bike Boulevard\DESIGN\Phase 1A\DWG\P21114-IA J30-J39.dwg

RAMP QUANTITIES:

ADA RAMPS	195 SF
SIDEWALKS	50 SF



SOUTH 49TH PLACE AND DAISY STREET

SOUTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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811 or (1-800-332-2344)

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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

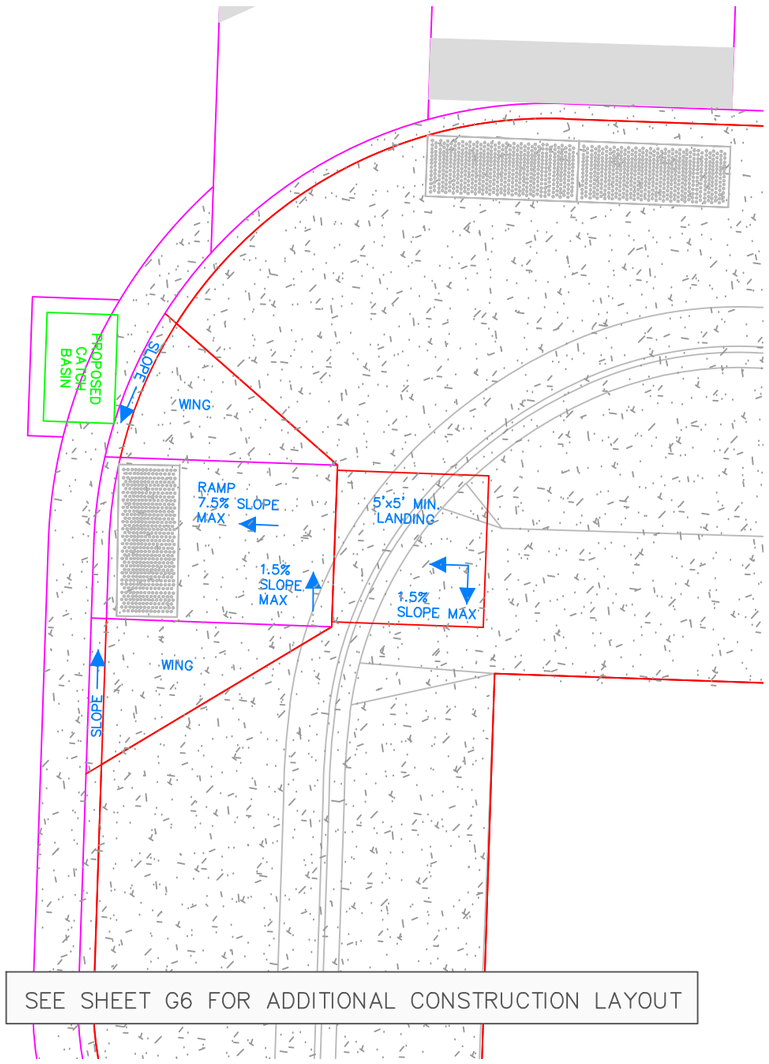
SHEET J32 OF 105

February 27, 2020

RAMP QUANTITIES:

ADA RAMPS	107 SF
SIDEWALKS	SEE G6
CONCRETE CURB AND GUTTER	SEE G6

U



SEE SHEET G6 FOR ADDITIONAL CONSTRUCTION LAYOUT

SOUTH 49TH PLACE AND DAISY STREET

SOUTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J33 OF 105

February 27, 2020

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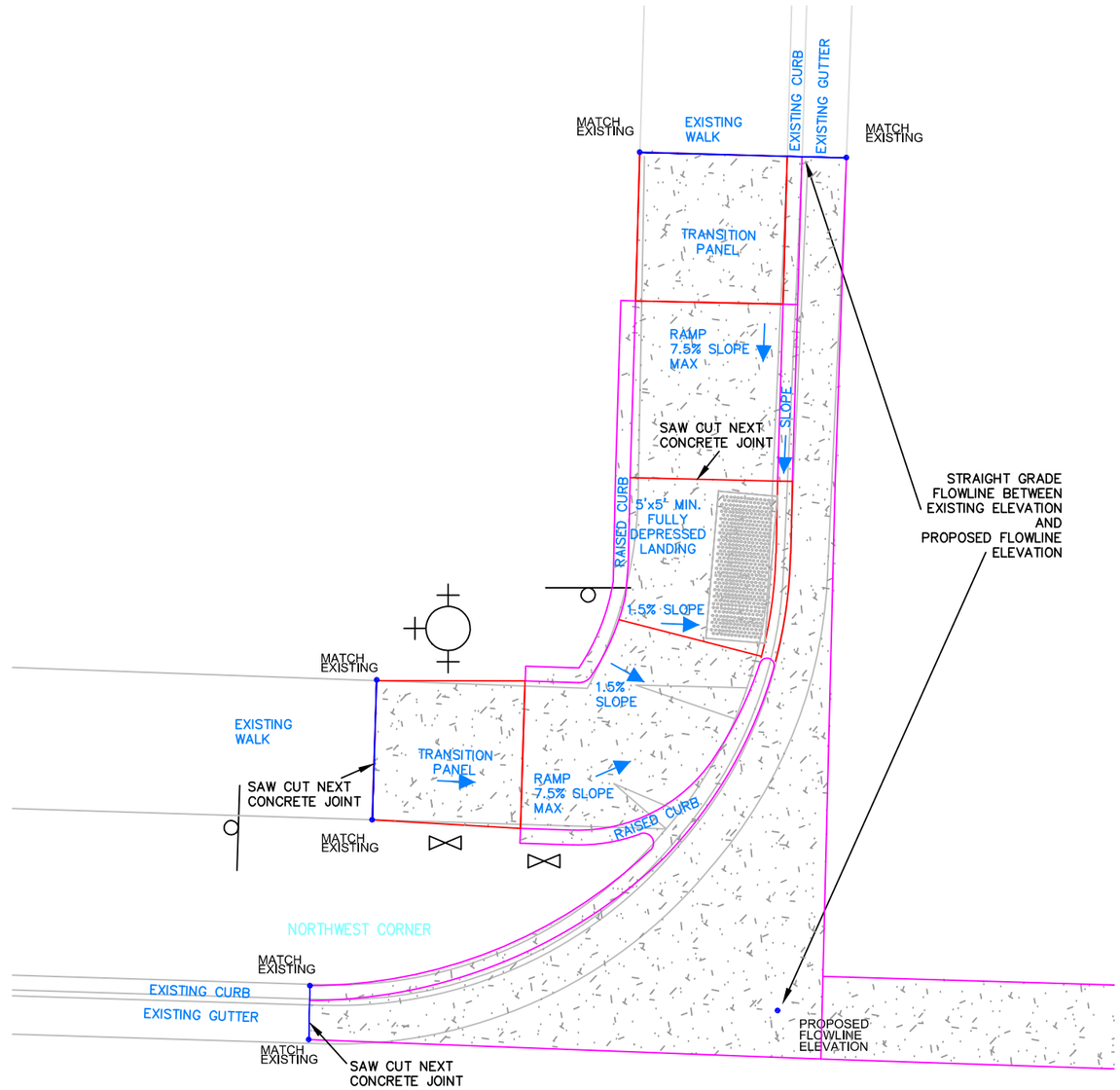
RAMP QUANTITIES:

ADA RAMPS	151 SF
SIDEWALKS	50 SF
CONCRETE CURB AND GUTTER	13 FT
PLAIN CONC. PAVEMENT, UNDOWELED, 9" TH	52 FT



4930-4954 DAISY STREET AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J34 OF 105

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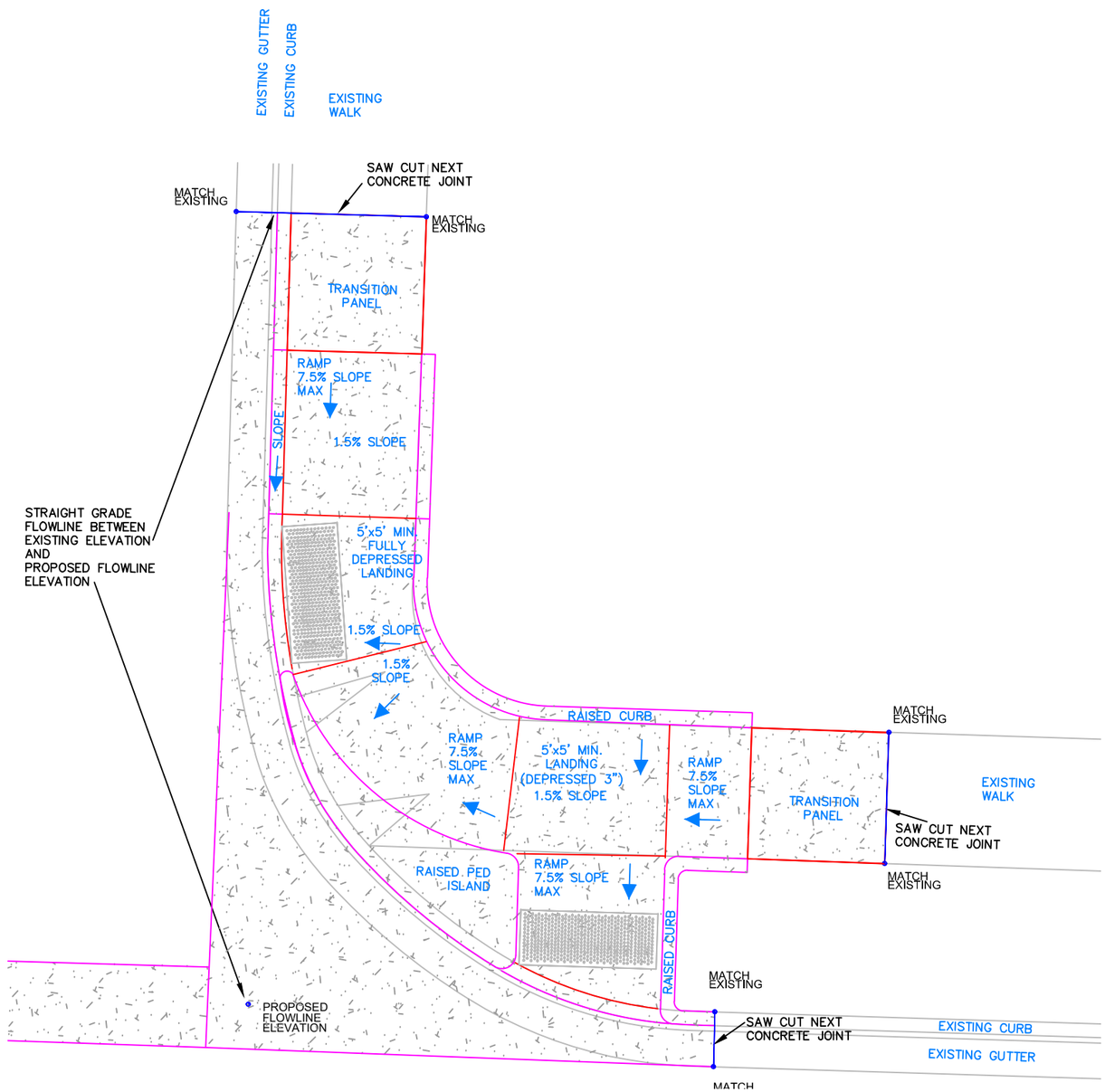
February 27, 2020

RAMP QUANTITIES:

ADA RAMPS	277 SF
SIDEWALKS	50 SF
CONCRETE CURB AND GUTTER	5 FT
PLAIN CONC. PAVEMENT, UNDOWELED, 9" TH	57 FT



4930-4954 DAISY STREET AND DAISY STREET

NORTHEAST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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Virginia-Daisy Bikeway - PHASE 1A

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J35 OF 105

February 27, 2020

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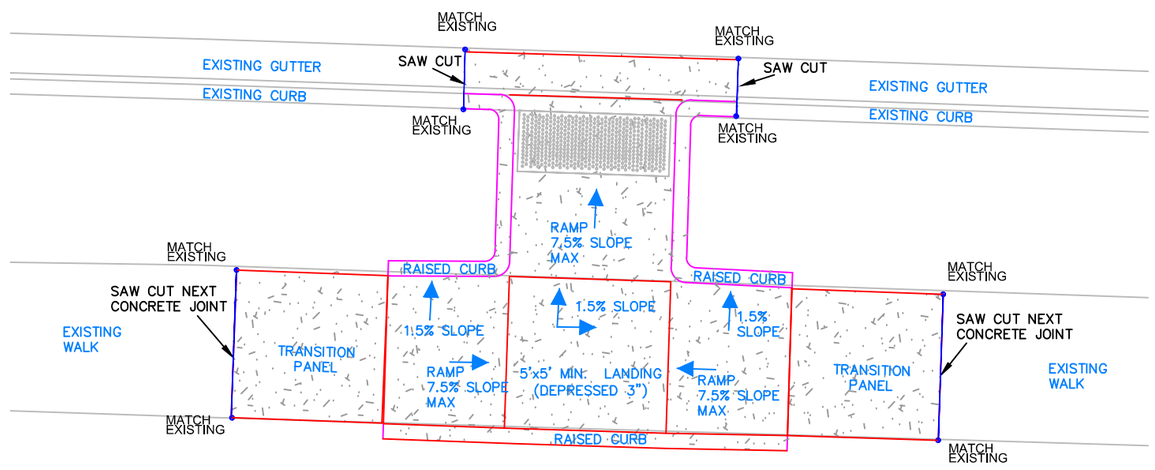
RAMP QUANTITIES:

ADA RAMPS	129 SF
SIDEWALKS	50 SF



4930-4954 DAISY STREET AND DAISY STREET

SOUTHEAST SIDE

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

NOTE:

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J36 OF 105

February 27, 2020

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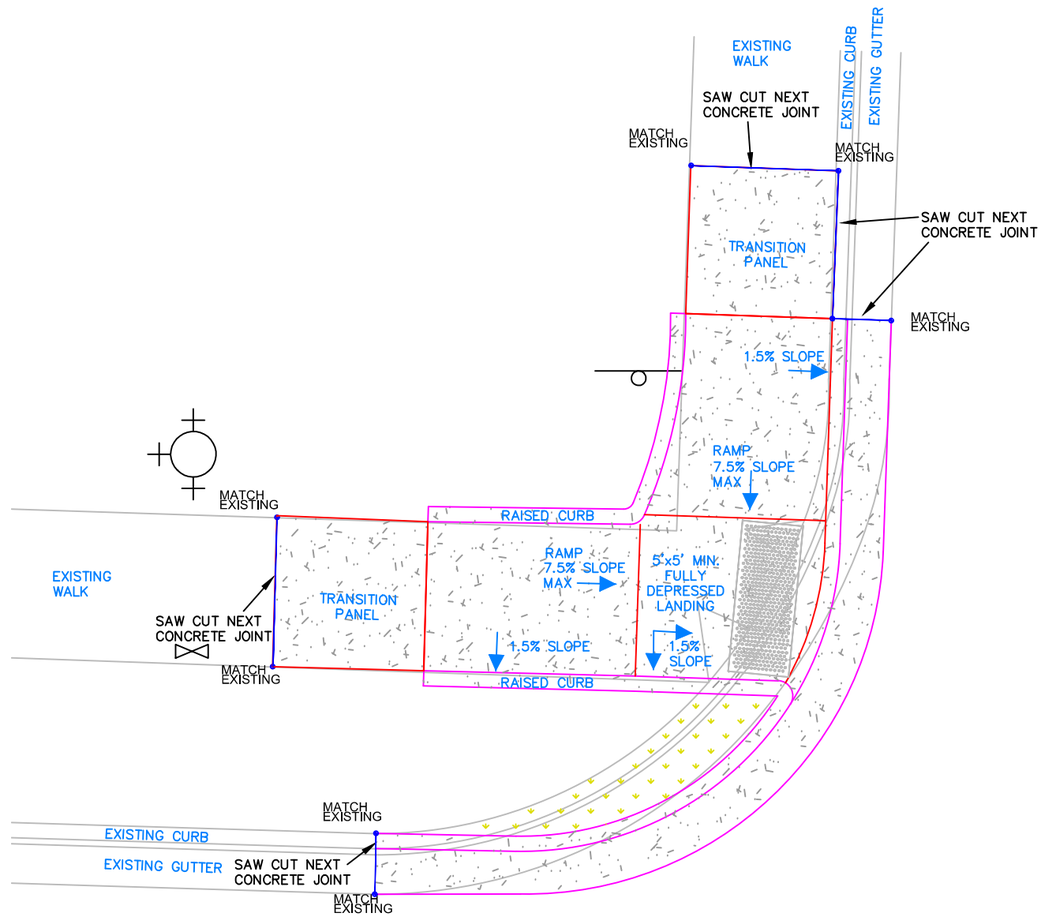
RAMP QUANTITIES:

ADA RAMPS	141 SF
SIDEWALKS	50 SF
CONCRETE CURB AND GUTTER	14 FT



5090-5136 DAISY STREET AND DAISY STREET

NORTHWEST CORNER

0 5 10 Feet

SCALE: 1"=5'

North

No.	Revision/Issue	Date

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J37 OF 105

February 27, 2020

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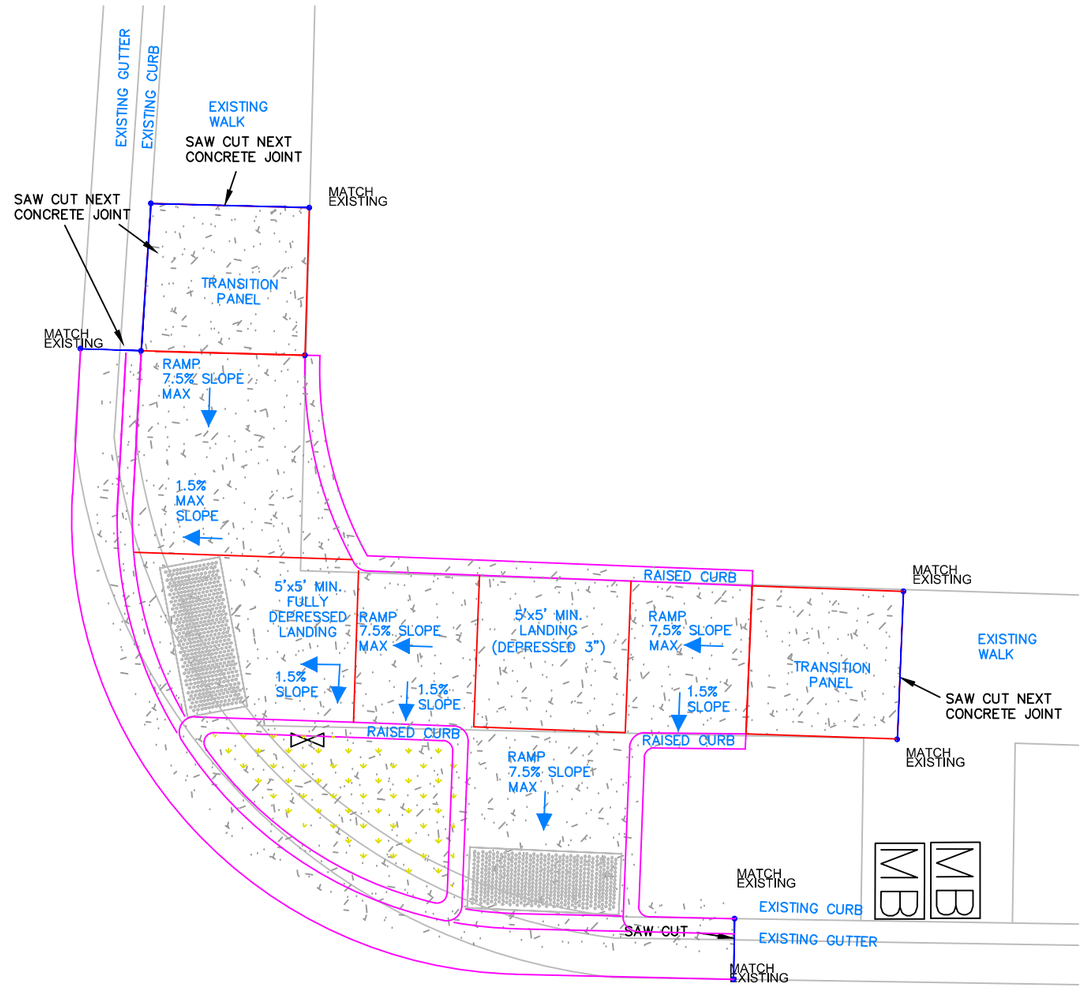
RAMP QUANTITIES:

ADA RAMPS	267 SF
SIDEWALKS	50 SF



5090-5136 DAISY STREET AND DAISY STREET

NORTHEAST CORNER

SCALE: 1"=5'

No.	Revision/Issue	Date

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET J38 OF 105

February 27, 2020

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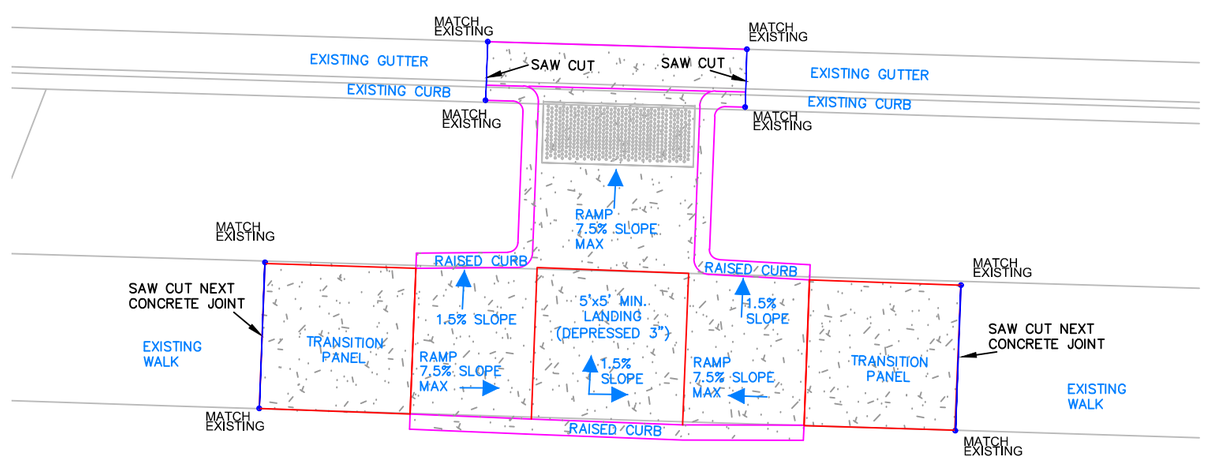
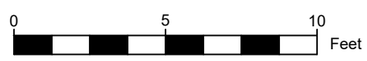
RAMP QUANTITIES:

ADA RAMPS	122 SF
SIDEWALKS	50 SF



5090-5136 DAISY STREET AND DAISY STREET

SOUTHEAST SIDE



SCALE: 1"=5'

No.	Revision/Issue	Date

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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET J39 OF 105

February 27, 2020

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LANDSCAPING NOTES:

3 INSTALL LANDSCAPE STRIP PLANTING SCHEDULE SEE SECTION 01040 OF THE SPECIAL PROVISIONS FOR THIS PROJECT

No.	Revision/Issue	Date

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REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

LANDSCAPE DETAILS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET L1 OF 105

February 27, 2020

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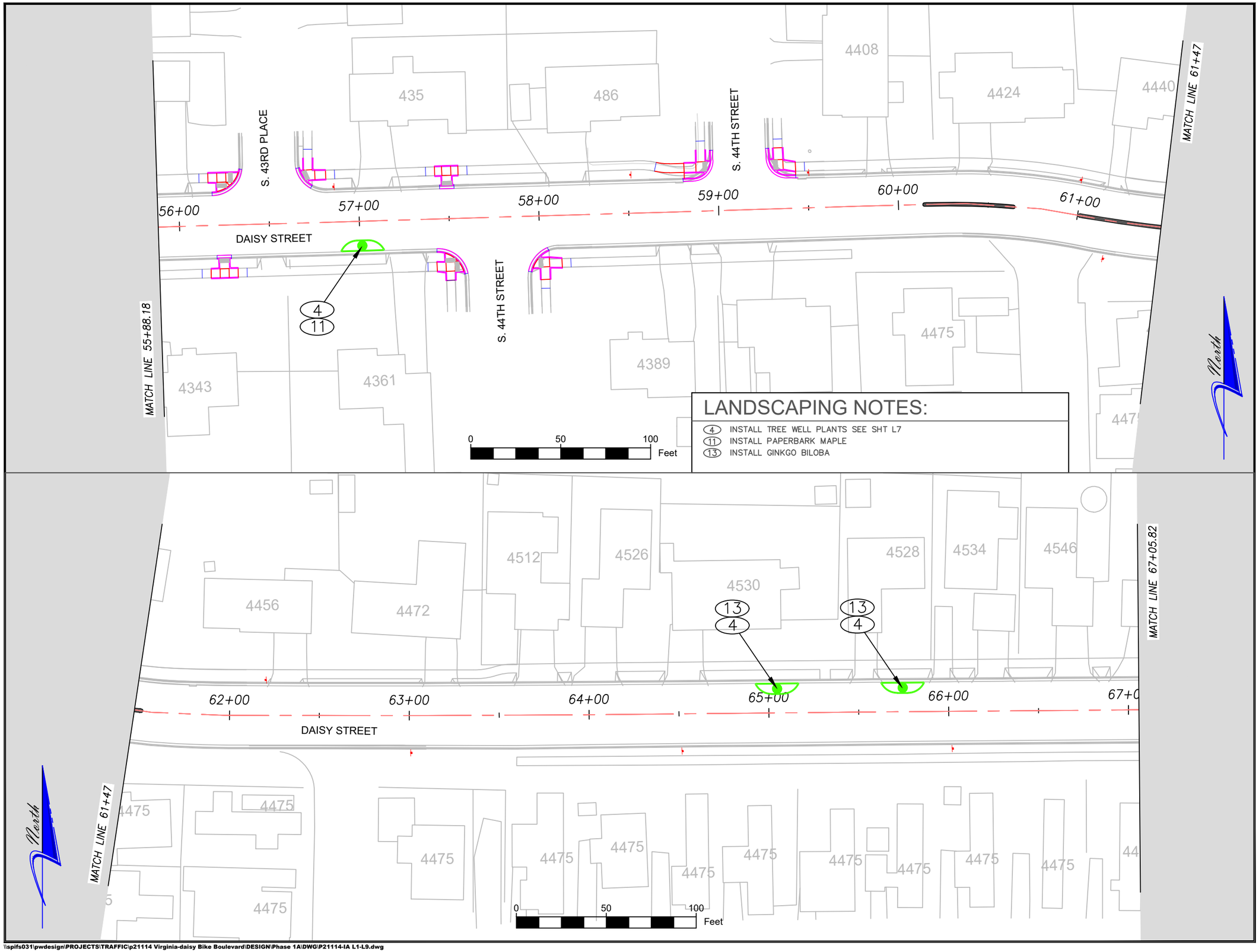

LANDSCAPING NOTES:

4 INSTALL TREE WELL PLANTS SEE SHT L7
11 INSTALL PAPERBARK MAPLE
13 INSTALL GINKGO BILOBA

No.	Revision/Issue	Date

NOTE:

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DO NOT
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FROM THESE DRAWINGS
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811 or (1-800-332-2344)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING UTILITY LOCATIONS PRIOR TO BEGINNING OF CONSTRUCTION.
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Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

LANDSCAPE DETAILS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET L2 OF 105

February 27, 2020

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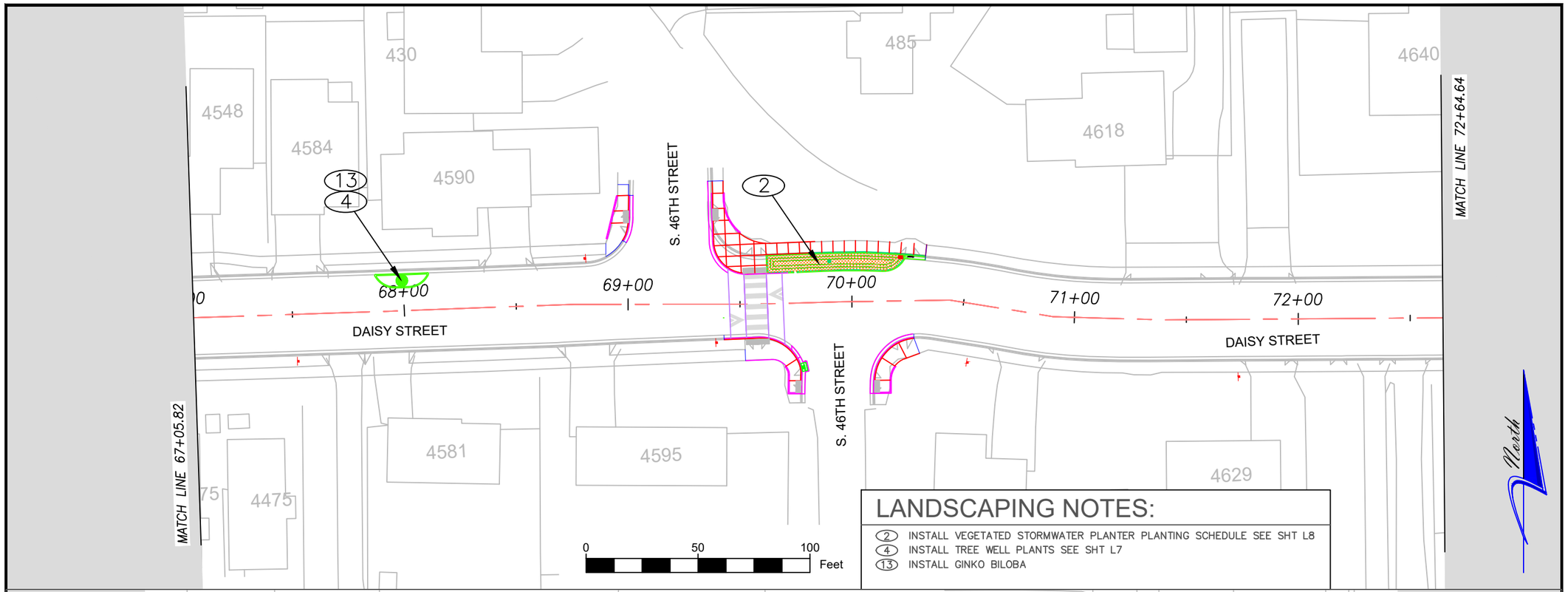
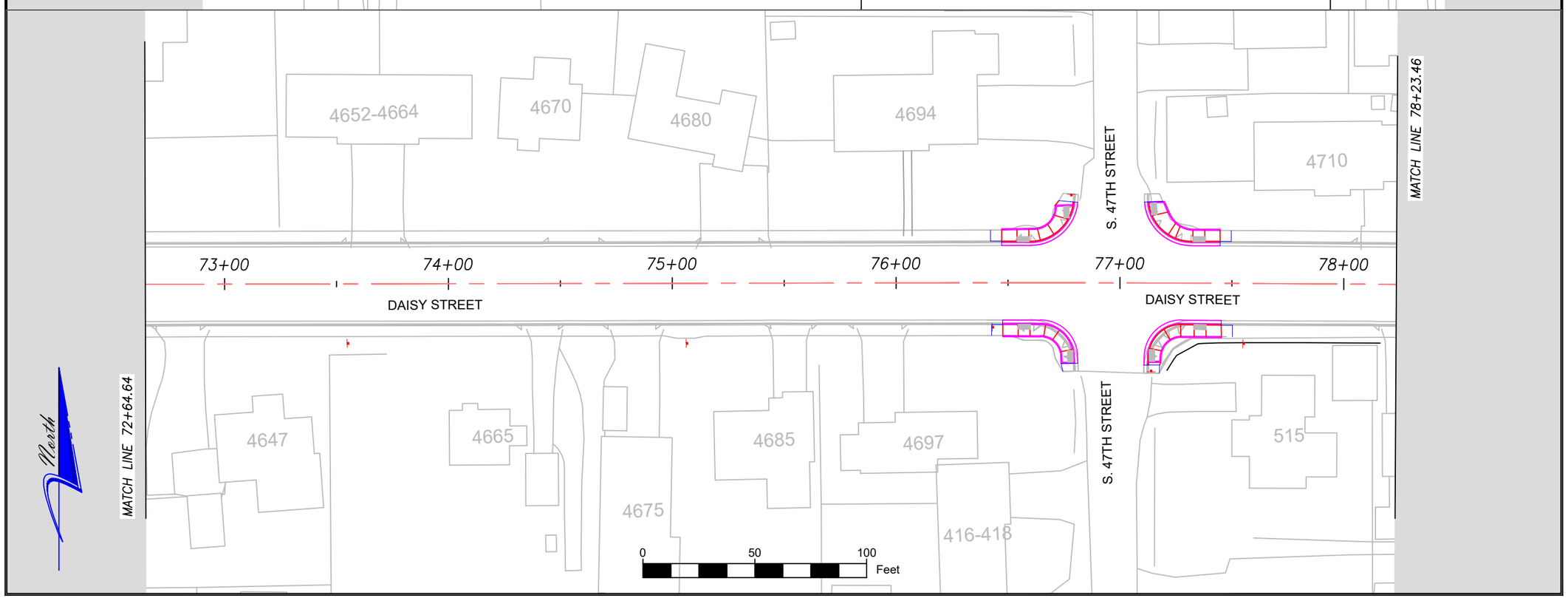


LANDSCAPING NOTES:

2 INSTALL VEGETATED STORMWATER PLANTER PLANTING SCHEDULE SEE SHT L8
4 INSTALL TREE WELL PLANTS SEE SHT L7
13 INSTALL GINKO BILOBA



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54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

LANDSCAPE DETAILS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET L3 OF 105

February 27, 2020

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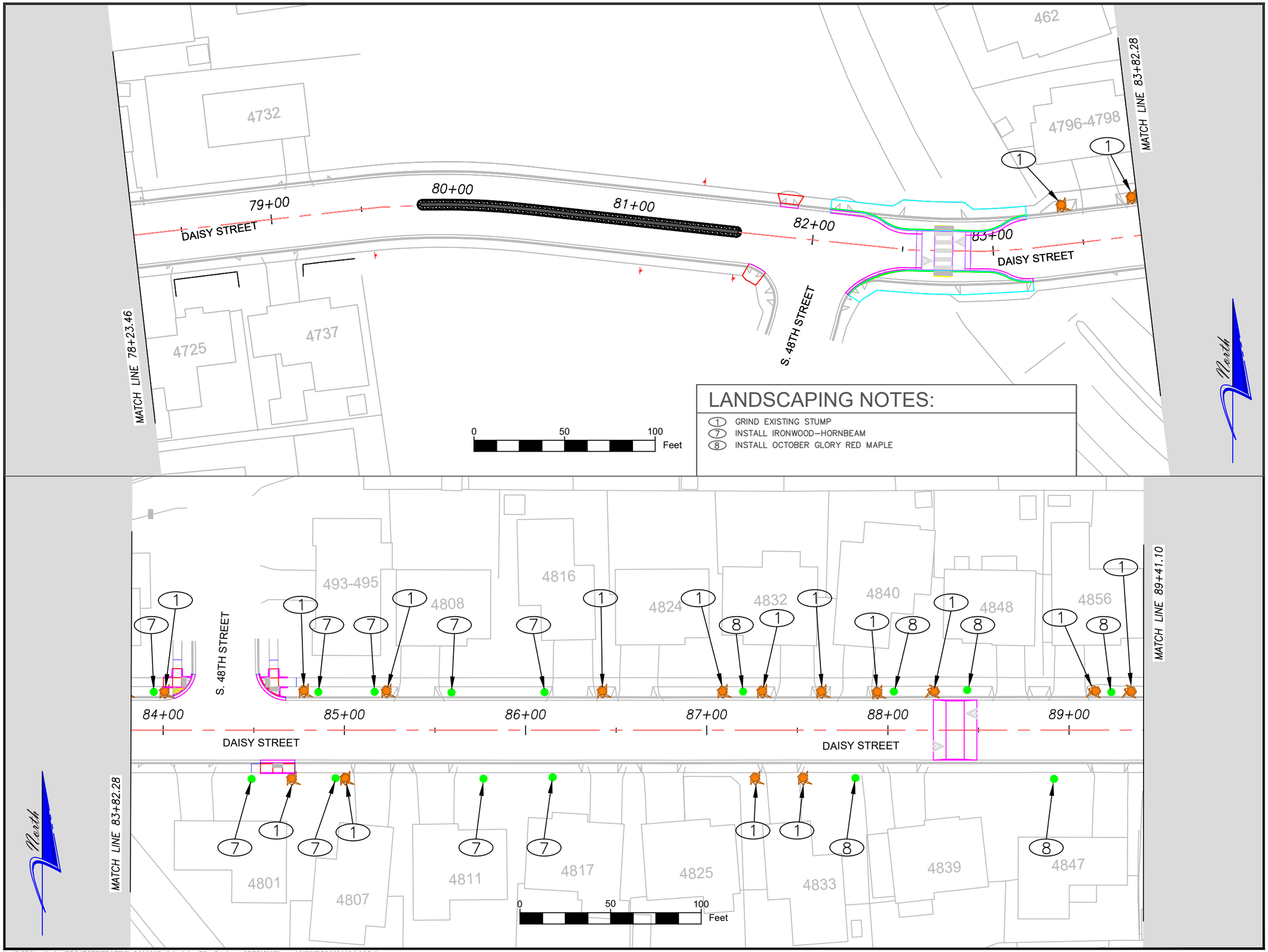

LANDSCAPING NOTES:

1. GRIND EXISTING STUMP
7. INSTALL IRONWOOD–HORNBEAM
8. INSTALL OCTOBER GLORY RED MAPLE

No.	Revision/Issue	Date

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Feb 26, 2020
EXPIRATION DATE: 12-31-2020

LANDSCAPE DETAILS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET L4 OF 105

February 27, 2020

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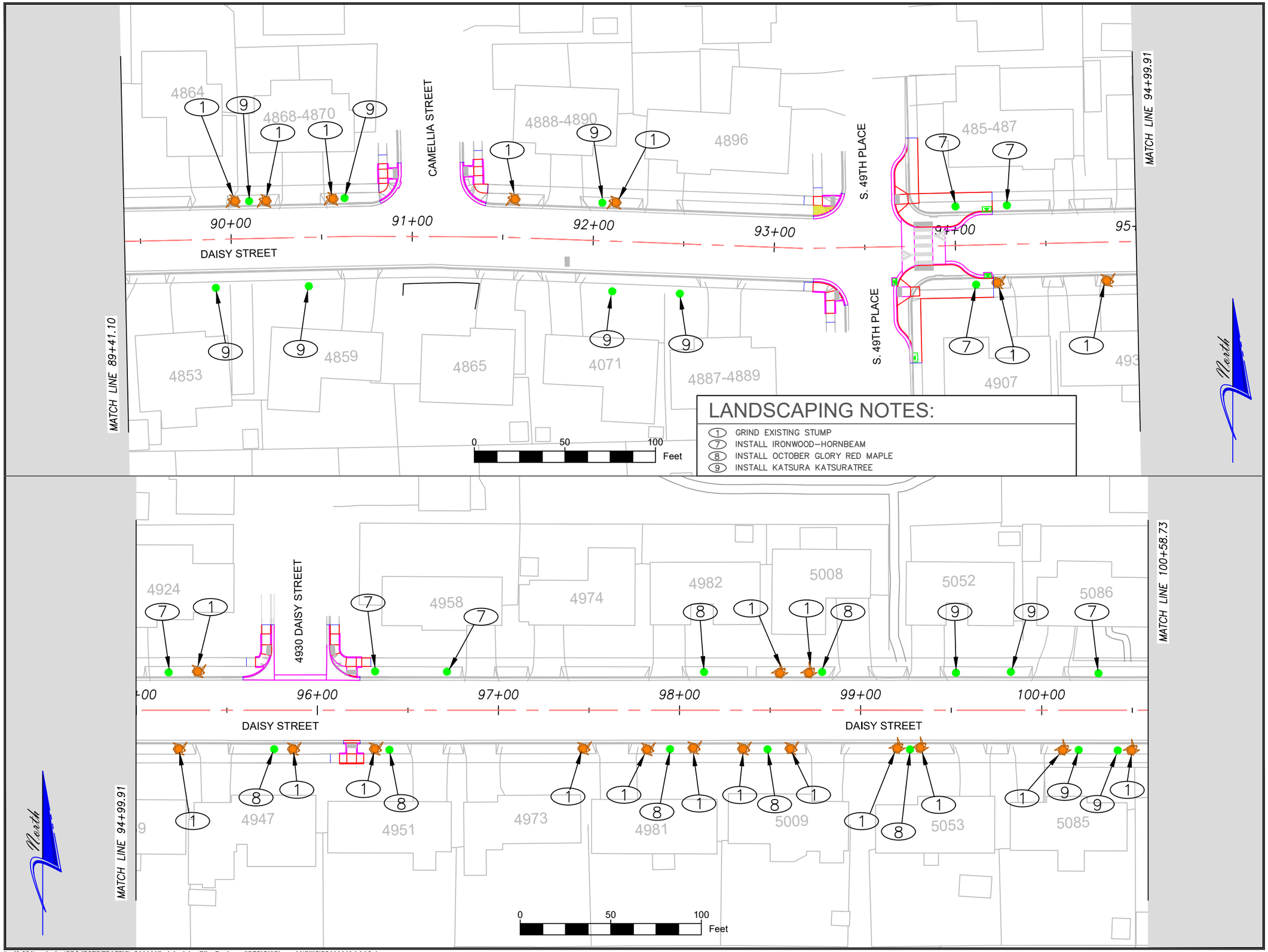

LANDSCAPING NOTES:

1. GRIND EXISTING STUMP
7. INSTALL IRONWOOD–HORNBEAM
8. INSTALL OCTOBER GLORY RED MAPLE
9. INSTALL KATSURA KATSURATREE

No.	Revision/Issue	Date

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JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

LANDSCAPE DETAILS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET L5 OF 105

February 27, 2020

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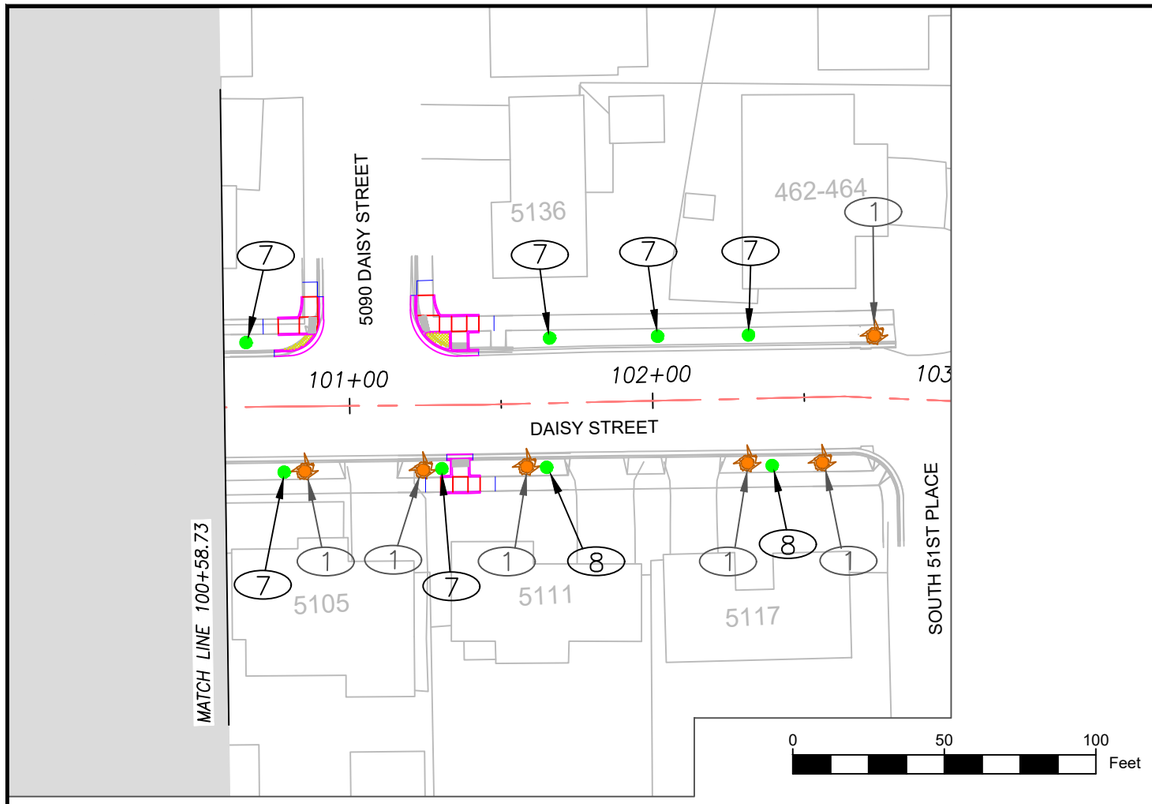

LANDSCAPING NOTES:

1. GRIND EXISTING STUMP
7. INSTALL IRONWOOD–HORNBEAM
8. INSTALL OCTOBER GLORY RED MAPLE

No.	Revision/Issue	Date

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EXPIRATION DATE: 12-31-2020

LANDSCAPE DETAILS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET **L6** OF **105**

February 27, 2020

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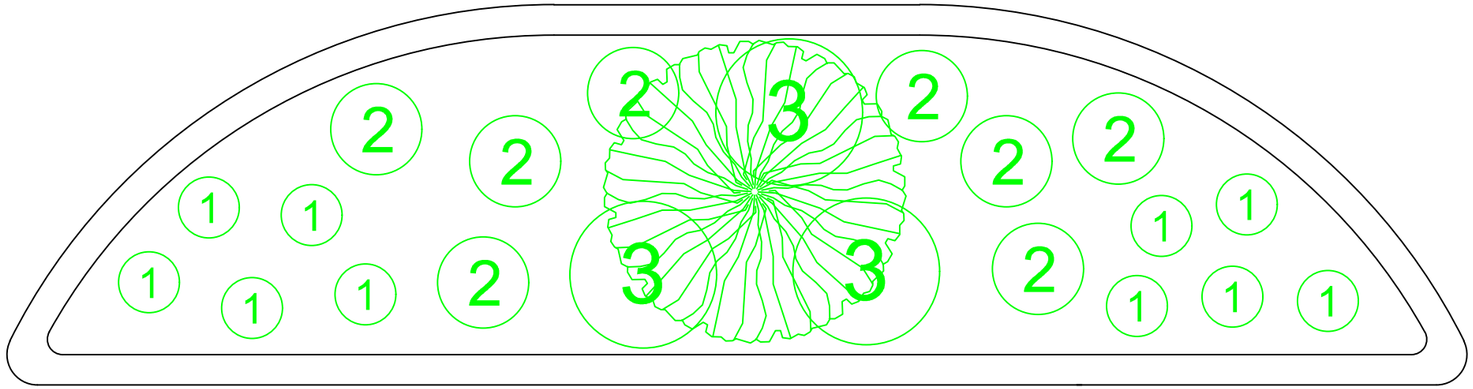

1 / L7 TREE WELL PLAN VIEW

NOT TO SCALE

TREE WELL PLANTS

NO.	SIZE	SPACING (IN)	#/TREE WELL	BOTANICAL NAME	COMMOM NAME
1	4-IN	18	10	LIRIOPE MUSCARI	MONKEY GRASS
2	1-GAL	24	8	NASSELLE TENUSISSIMA	MEXICAN FEATHER GRASS
3	4-IN	36	3	CORNUSSERICEA KELSEYI	KELSEY DOGWOOD

TREE WELL TREES

QUANTITY	BOTANICAL NAME	COMMON NAME
1	ACER GRISUEM	PAPERBARK MAPLE (UNDER POWERLINES)
3	GINKGO BILOBA	GINKGO (MALE ONLY)

No.	Revision/Issue	Date

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LANDSCAPE DETAILS

DRAWN BY: R.WARNER
DESIGNED BY: J. JONES
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SHEET L7 OF 105

February 27, 2020

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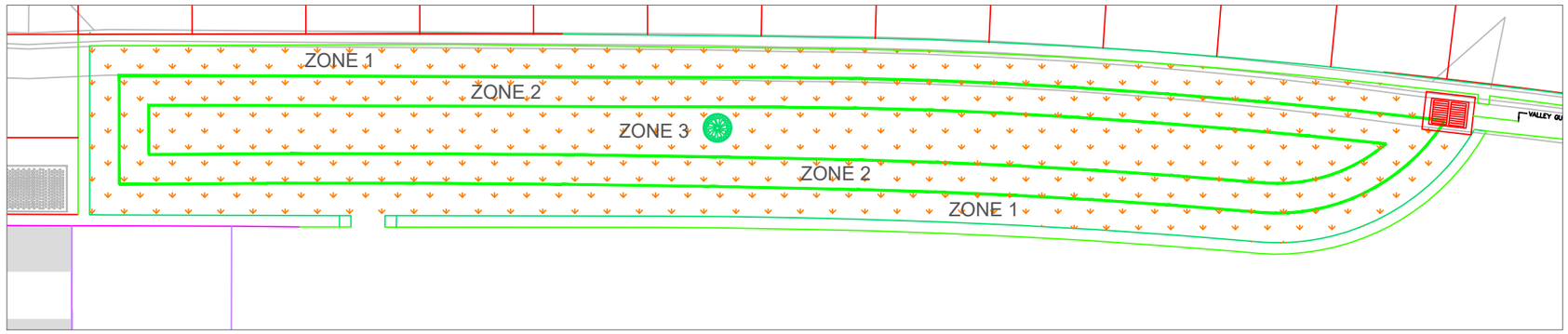

1
L8

VEGETATED STORMWATER PLANTER PLAN VIEW

NOT TO SCALE

VEGETATED STORMWATER PLANTER PLANTING SCHEDULE

ZONE	SIZE	SPACING (FT)	QUANTITY (Area-SF)	BOTANICAL NAME	COMMOM NAME
1	4-IN	1	167	CAREX OBNUPTA	SLOUGH SEDGE
2	1-GAL	1	152	SOFT, LAMP OR COMMON RUSH	JUNCUS EFFUSUS
3	4-IN	1	115	SPREADING OR GROOVED RUSH	JUNCUS PATENS

STREET TREES

QUANTITY	BOTANICAL NAME	COMMON NAME
21	OSRTYA VIRGINIANA	IRONWOOD AMERICAN HOP-HORNBEAM
15	ACER RUBRUM	OCTOBER GLORY RED MAPLE
11	CERCIDIPHYLLUM JAPONICUM	KATSURA KATSURATREE

No.	Revision/Issue	Date

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SHEET L8 OF 105

February 27, 2020

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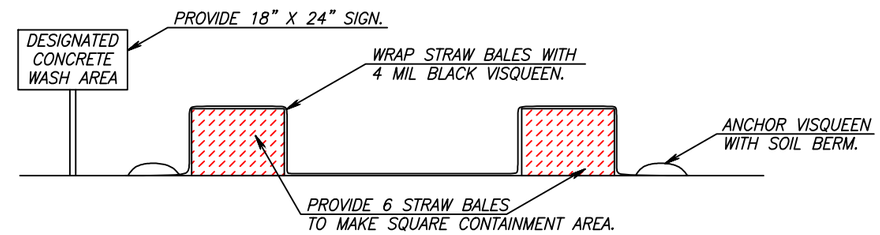
NOTES:

1. PLACE INLET/CATCH BASIN PROTECTION AT EXISTING FIXTURES (SEE DETAILS ON SHEET Q2.)

GENERAL NOTES:

1. CONCRETE WASHOUTS ARE NOT PROVIDED ON THIS PROJECT
2. SAW CUTTING SLURRY IS TO BE VACUMED
3. ANY AREAS OF EXPOSED SOILS. INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) OR SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30) SHALL BE IMMEDIATELY STABILIZED WITH AN APPROVED ESC METHOD (SEEDING & MULCHING WITH STRAW, BARK, COMPOST, OR PLASTIC COVERING, ETC.).



1 / Q1 CONCRETE WASH AREA DETAIL

NOT TO SCALE

EROSION CONTROL STANDARD NOTES:

A. Approval of this Erosion and Sedimentation Control Plan (ESCP) does not constitute an approval of permanent road or drainage design (e.g., size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc.).

B. Approval of this ESCP does not relieve the permit holder and or the contractor from all other permitting requirements. Prior to beginning construction activities, all other necessary approvals shall be obtained.

C. An inspection of the erosion control measures by City LDAP staff is required prior to any ground disturbance on the site.

D. The erosion and sediment control measures shown on the plan are the minimum requirements for anticipated site conditions. During the construction period, these measures shall be upgraded as needed for unexpected storm events and to ensure that sediment and sediment-laden water does not leave the site.

E. The implementation of the ESCP and the construction, maintenance, replacement, and upgrading of the erosion and sediment control measures is the responsibility of the permit holder and or the contractor until all construction is completed and accepted by the City and vegetation/landscaping is established per the required warranty period.

F. In the event the ESC facilities identified on the ESCP are not functioning properly, the contractor is responsible for immediately implementing changes to the ESCP as directed by the ESCP engineer or his inspector. The engineer, his inspector or the City may stop all construction activity on site until the erosion problem is corrected and all ESC facilities are functioning properly. If the contractor does not immediately implement changes to the ESCP identified by the ESCP engineer or his inspector, the City may implement the necessary changes and require payment from the contractor prior to project acceptance by the City.

G. The boundaries of the clearing limits shown on this plan shall be clearly flagged in the field by the engineer prior to construction. During the construction period, no disturbance beyond the flagged clearing limits shall be permitted. The flagging shall be maintained by the permit holder and or the contractor for the duration of construction.

H. The erosion and sediment control measures on active sites shall be inspected and maintained daily and within the 24 hours after any storm event of greater than 0.5 inches of rain per 24 hour period. Measures shall be inspected by the permit holder and or the contractor after each rainfall and at least daily during prolonged rainfall. Any required repairs or adjustments shall be made immediately. The erosion and sediment control measures on inactive sites shall be inspected a minimum of once every two (2) weeks or within 48 hours following a storm event. Written records shall be kept of weekly reviews of the ESC facilities during the wet season (October 1 to April 30) and of monthly reviews during the dry season (May1 to September 30).

I. All erosion and sediment control measures shall be protected from damage at all times. Control measures shall remain in place until permanent or temporary re-vegetation has been stabilized. Any measure that is damaged or destroyed shall be repaired or replaced immediately.

J. Any areas of exposed soils, including roadway embankments, that will not be disturbed for two days during the wet season (October 1 to April 30) or seven days during the dry season (May 1 to September 30) shall be immediately stabilized with an approved ESC method (seeding & mulching with straw, bark, compost, or plastic covering, etc.).

K. A supply of materials necessary to meet compliance and implement the LDAP or other best management erosion practices under all weather conditions shall be maintained at all times on the construction site.

L. No hazardous substances, such as paints, thinners, fuels and other chemicals shall be released onto the site, adjacent properties, or into water features, the City's storm water system, or related natural resources.

M. Street sweeping shall be performed as needed or when directed by the City inspector to ensure public right-of-ways are kept clean and free of debris. Street flushing is prohibited.

N. When trucking saturated soils from the site, either water-tight trucks shall be used or loads shall be drained on site until dripping has been reduced to no more than one gallon per hour. Sediment laden water will not be allowed to enter the storm water system

O. Extracted ground water from excavated trenches shall be disposed of in a suitable manner without damage to adjacent property, public storm water system, water features, and related natural resources. Approval of a dewatering system does not guarantee that it will meet compliance or be acceptable for use in all situations. Modifications to the dewatering system will be required if compliance can not be met. At no time will sediment laden water be allowed to leave the construction site.

P. At no time shall more than one foot of sediment be allowed to accumulate within a catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment laden water into the downstream system.

Q. Any required stabilized construction entrances and roads shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures, such as wash pads, may be required to ensure that all paved areas are kept clean for the duration of the project.

R. Any permanent flow control facility used as a temporary settling basin shall be modified with the necessary erosion control measures and shall provide adequate storage capacity.

S. Where straw mulch for temporary erosion control is required, it shall be applied at a minimum thickness of two to three inches.

T. In preparation of the wet season, all disturbed areas shall be reviewed to identify which ones can be seeded in preparation for the winter rains. A sketch map of those areas to be seeded and those areas to remain uncovered shall be submitted to the City by September 15. The City can require seeding of additional areas in order to protect surface waters, adjacent properties, or drainage facilities. Disturbed areas identified for seeding shall be seeded prior to the beginning of the wet season (October 1).

No.	Revision/Issue	Date

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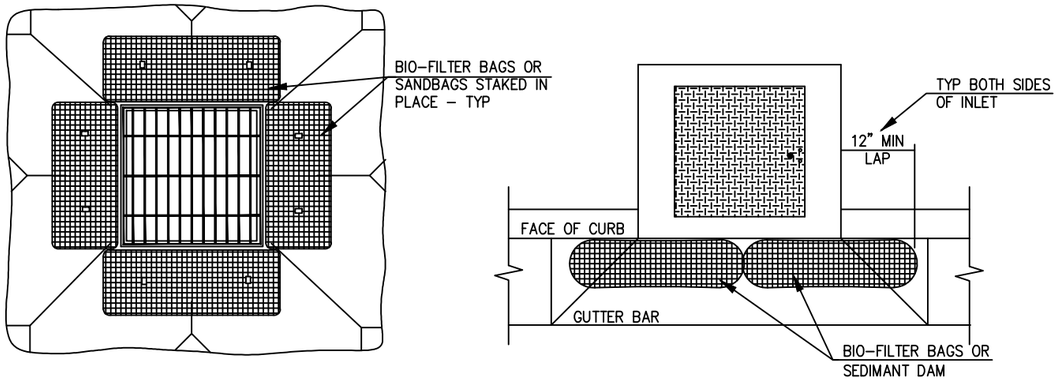
JULY 15, 2003
JEFFREY ALAN PASCHALL
Feb 26, 2020
EXPIRATION DATE: 12-31-2020

EROSION & SEDIMENT CONTROL NOTES

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET Q1 OF 97

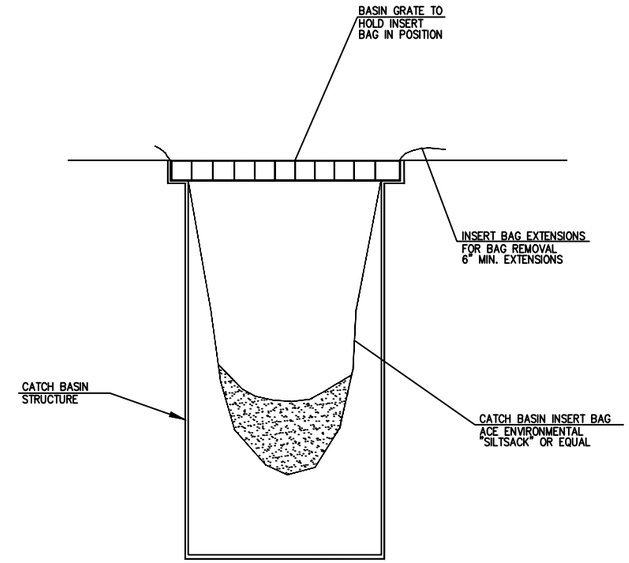
February 27, 2020



NOTES
1. PRIOR TO 1st PAVEMENT LIFT, REMOVE BIO-BAG/SANDBAG BARRIERS AND INSTALL BASIN INSERT BAG OR CURB INLET SEDIMENT DAM AT ALL INLET STRUCTURES.

1 / Q2 DRAINAGE INLET STRUCTURE PROTECTION

NOT TO SCALE



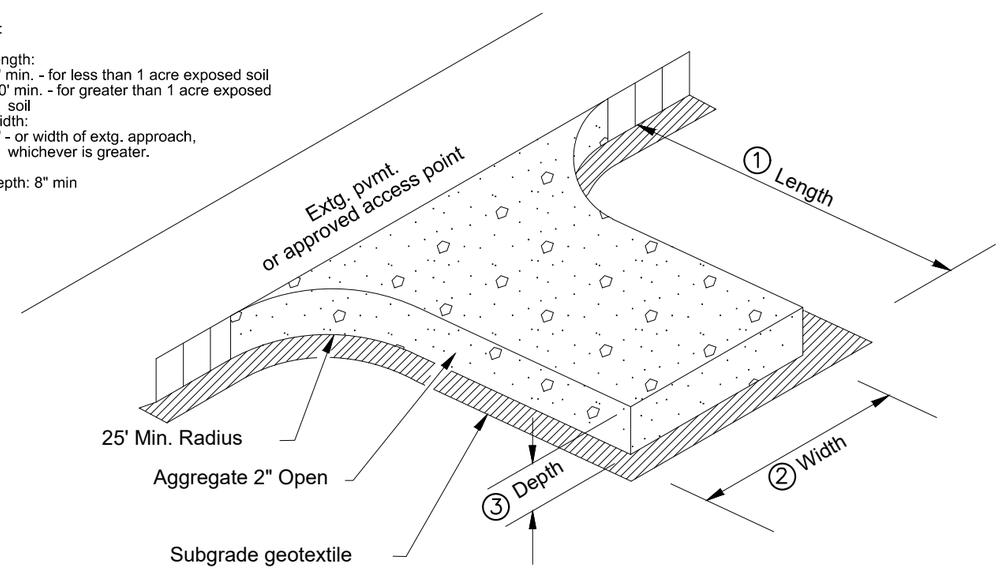
2 / Q2 CATCH BASIN INSERT BAG

NOT TO SCALE

INLET PROTECTION

Notes:

1. Length:
   50' min. - for less than 1 acre exposed soil
   100' min. - for greater than 1 acre exposed soil
2. Width:
   20' - or width of extg. approach, whichever is greater.
3. Depth: 8" min



3 / Q2 CONSTRUCTION ENTRANCE

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EROSION & SEDIMENT CONTROL DETAILS

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET Q2 OF 97

February 27, 2020

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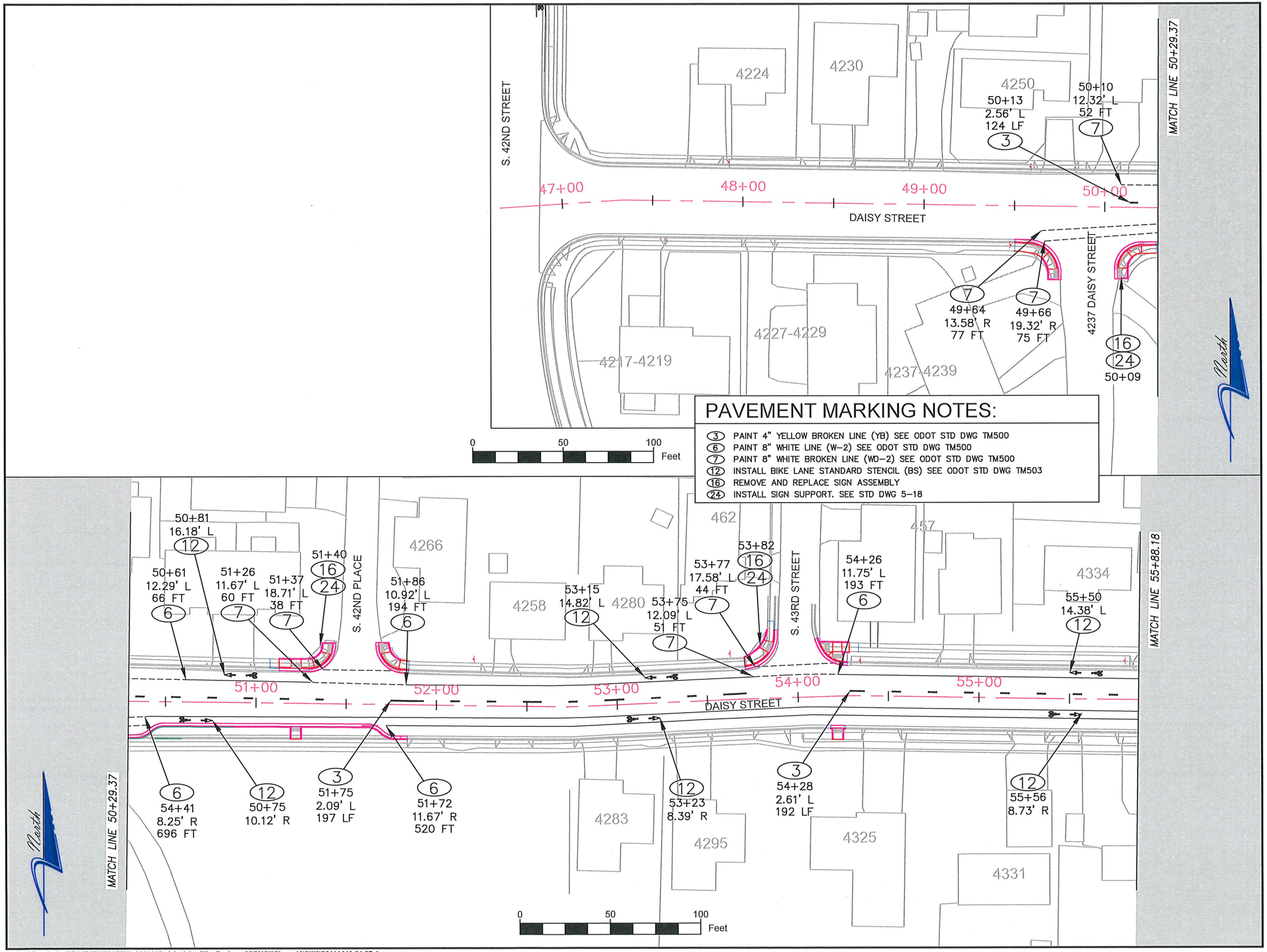

PAVEMENT MARKING NOTES:

- (3) PAINT 4" YELLOW BROKEN LINE (YB) SEE ODOT STD DWG TM500
- (6) PAINT 8" WHITE LINE (W-2) SEE ODOT STD DWG TM500
- (7) PAINT 8" WHITE BROKEN LINE (WD-2) SEE ODOT STD DWG TM500
- (12) INSTALL BIKE LANE STANDARD STENCIL (BS) SEE ODOT STD DWG TM503
- (16) REMOVE AND REPLACE SIGN ASSEMBLY
- (24) INSTALL SIGN SUPPORT. SEE STD DWG 5-18

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Virginia-Daisy Bikeway - PHASE 1A

City of Springfield

PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD OR 97477
PHONE: (541) 726-3753 FAX: (541) 726-3689
INTERNET: www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
19,697PE
OREGON
MAY 5, 1998
BRIAN F. BARNETT
EXPIRES 12-31-21

STRIPING & SIGNING PLANS

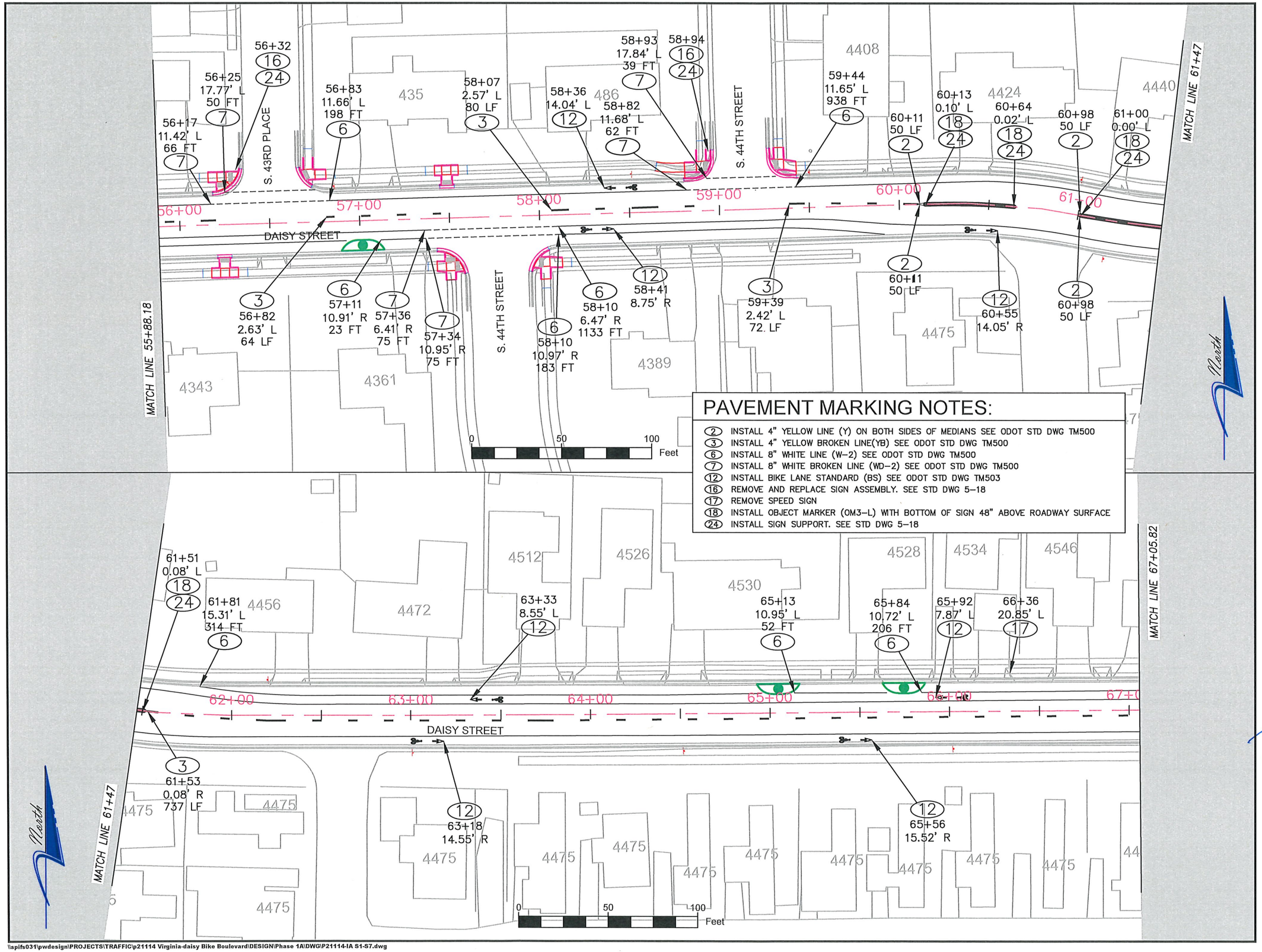
SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	B. BARNETT

SHEET S1 OF 105

February 27, 2020

\\spifs031\pwdesign\PROJECTS\TRAFFIC\p21114 Virginia-daisy Bike Boulevard\DESIGN\Phase 1A\DWG\P21114-IA S1-S7.dwg



PAVEMENT MARKING NOTES:

- (2) INSTALL 4" YELLOW LINE (Y) ON BOTH SIDES OF MEDIANS SEE ODOT STD DWG TM500
- (3) INSTALL 4" YELLOW BROKEN LINE(YB) SEE ODOT STD DWG TM500
- (6) INSTALL 8" WHITE LINE (W-2) SEE ODOT STD DWG TM500
- (7) INSTALL 8" WHITE BROKEN LINE (WD-2) SEE ODOT STD DWG TM500
- (12) INSTALL BIKE LANE STANDARD (BS) SEE ODOT STD DWG TM503
- (16) REMOVE AND REPLACE SIGN ASSEMBLY. SEE STD DWG 5-18
- (17) REMOVE SPEED SIGN
- (18) INSTALL OBJECT MARKER (OM3-L) WITH BOTTOM OF SIGN 48" ABOVE ROADWAY SURFACE
- (24) INSTALL SIGN SUPPORT. SEE STD DWG 5-18

No.	Revision/Issue	Date

NOTE:

UTILITY LOCATIONS ARE APPROXIMATE
DO NOT
SCALE OR LOCATE UTILITY LINES OR MAINS
FROM THESE DRAWINGS
CALL FOR UTILITY LOCATES
811 or (1-800-332-2344)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING UTILITY LOCATIONS PRIOR TO BEGINNING OF CONSTRUCTION. THESE PLANS MAY NOT SHOW ALL UTILITIES OR THE CORRECT LOCATIONS.

Project P21114
Virginia-Daisy Bikeway - PHASE 1A

City of Springfield

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REGISTERED PROFESSIONAL ENGINEER
19,697PE
2-FEB-20
OREGON
MAY 5, 1998
BRIAN F. BARNETT

EXPIRES 12-31-21

STRIPING & SIGNING PLANS

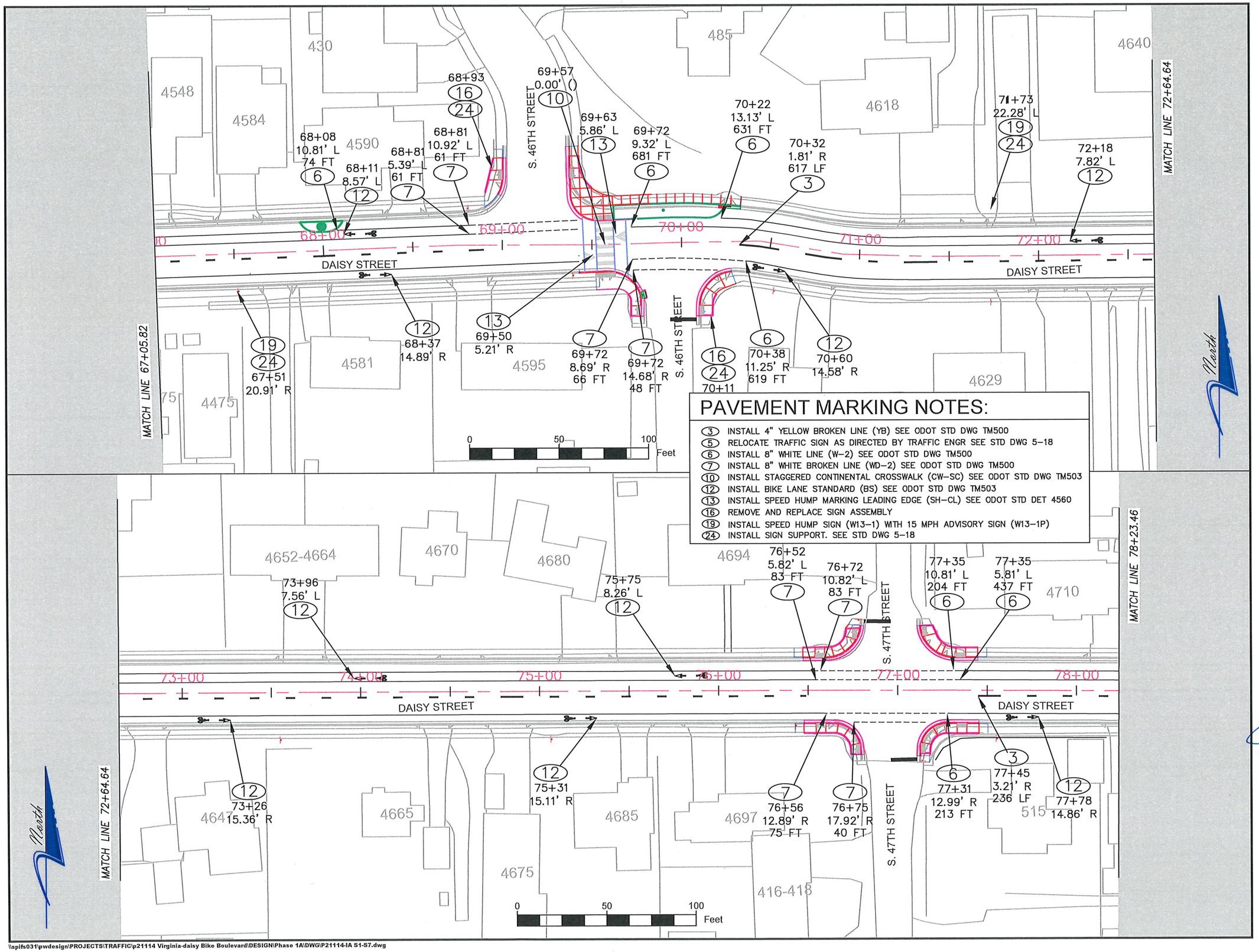
SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	B. BARNETT

SHEET **S2** OF **105**

\\spifs031\pwdesign\PROJECTS\TRAFFIC\p21114 Virginia-daisy Bike Boulevard\DESIGN\Phase 1A\DWG\P21114-IA S1-S7.dwg

February 27, 2020



PAVEMENT MARKING NOTES:

- (3) INSTALL 4" YELLOW BROKEN LINE (YB) SEE ODOT STD DWG TM500
- (5) RELOCATE TRAFFIC SIGN AS DIRECTED BY TRAFFIC ENGR SEE STD DWG 5-18
- (6) INSTALL 8" WHITE LINE (W-2) SEE ODOT STD DWG TM500
- (7) INSTALL 8" WHITE BROKEN LINE (WD-2) SEE ODOT STD DWG TM500
- (10) INSTALL STAGGERED CONTINENTAL CROSSWALK (CW-SC) SEE ODOT STD DWG TM503
- (12) INSTALL BIKE LANE STANDARD (BS) SEE ODOT STD DWG TM503
- (13) INSTALL SPEED HUMP MARKING LEADING EDGE (SH-CL) SEE ODOT STD DET 4560
- (16) REMOVE AND REPLACE SIGN ASSEMBLY
- (19) INSTALL SPEED HUMP SIGN (W13-1) WITH 15 MPH ADVISORY SIGN (W13-1P)
- (24) INSTALL SIGN SUPPORT. SEE STD DWG 5-18

No.	Revision/Issue	Date

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City of Springfield

PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
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19,697PE
27 FEB 20
OREGON
MAY 5, 1998
BRIAN F. BARNETT
EXPIRES 12-31-21

STRIPING & SIGNING PLANS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	B. BARNETT

SHEET S3 OF 105

February 27, 2020

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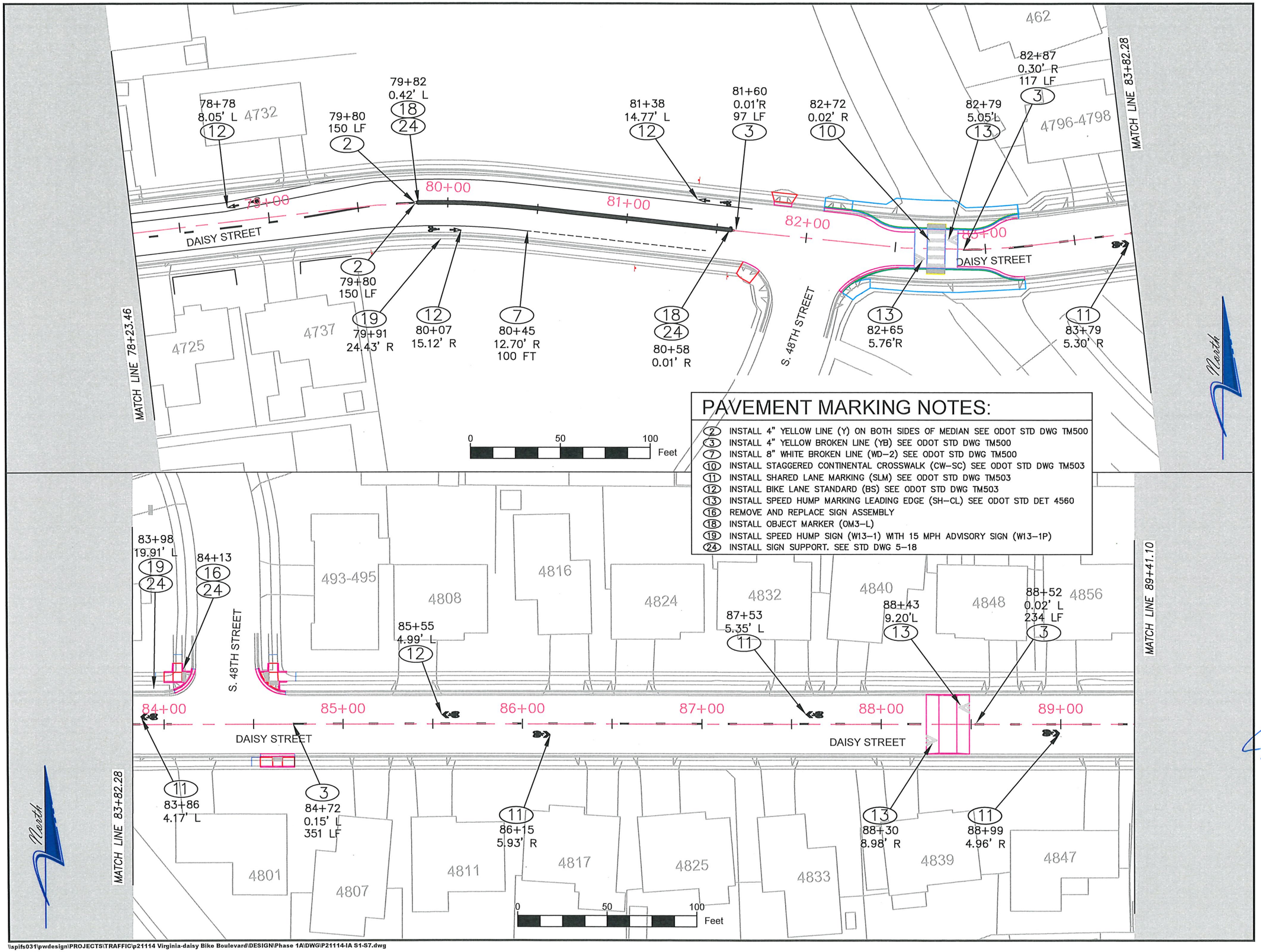

PAVEMENT MARKING NOTES:

- (2) INSTALL 4" YELLOW LINE (Y) ON BOTH SIDES OF MEDIAN SEE ODOT STD DWG TM500
- (3) INSTALL 4" YELLOW BROKEN LINE (YB) SEE ODOT STD DWG TM500
- (7) INSTALL 8" WHITE BROKEN LINE (WD-2) SEE ODOT STD DWG TM500
- (10) INSTALL STAGGERED CONTINENTAL CROSSWALK (CW-SC) SEE ODOT STD DWG TM503
- (11) INSTALL SHARED LANE MARKING (SLM) SEE ODOT STD DWG TM503
- (12) INSTALL BIKE LANE STANDARD (BS) SEE ODOT STD DWG TM503
- (13) INSTALL SPEED HUMP MARKING LEADING EDGE (SH-CL) SEE ODOT STD DET 4560
- (16) REMOVE AND REPLACE SIGN ASSEMBLY
- (18) INSTALL OBJECT MARKER (OM3-L)
- (19) INSTALL SPEED HUMP SIGN (W13-1) WITH 15 MPH ADVISORY SIGN (W13-1P)
- (24) INSTALL SIGN SUPPORT. SEE STD DWG 5-18

No.	Revision/Issue	Date

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MAY 5, 1998
BRIAN F. BARNETT
EXPIRES 12-31-21

STRIPING & SIGNING PLANS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	B. BARNETT

SHEET S4 OF 105

February 27, 2020

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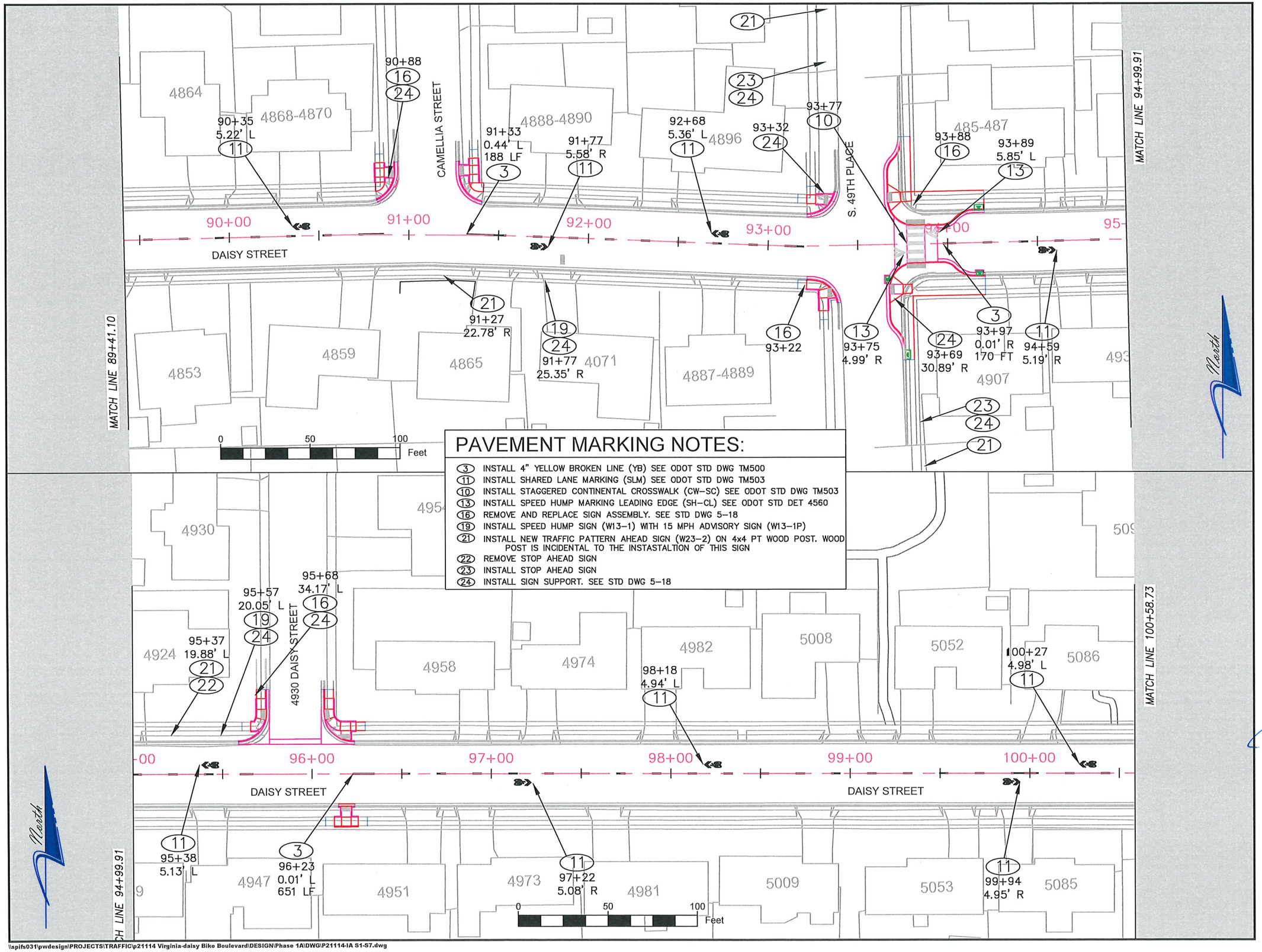

PAVEMENT MARKING NOTES:

- (3) INSTALL 4" YELLOW BROKEN LINE (YB) SEE ODOT STD DWG TM500
- (11) INSTALL SHARED LANE MARKING (SLM) SEE ODOT STD DWG TM503
- (10) INSTALL STAGGERED CONTINENTAL CROSSWALK (CW-SC) SEE ODOT STD DWG TM503
- (13) INSTALL SPEED HUMP MARKING LEADING EDGE (SH-CL) SEE ODOT STD DET 4560
- (16) REMOVE AND REPLACE SIGN ASSEMBLY. SEE STD DWG 5-18
- (19) INSTALL SPEED HUMP SIGN (W13-1) WITH 15 MPH ADVISORY SIGN (W13-1P)
- (21) INSTALL NEW TRAFFIC PATTERN AHEAD SIGN (W23-2) ON 4x4 PT WOOD POST. WOOD POST IS INCIDENTAL TO THE INSTASTALTION OF THIS SIGN
- (22) REMOVE STOP AHEAD SIGN
- (23) INSTALL STOP AHEAD SIGN
- (24) INSTALL SIGN SUPPORT. SEE STD DWG 5-18

No.	Revision/Issue	Date

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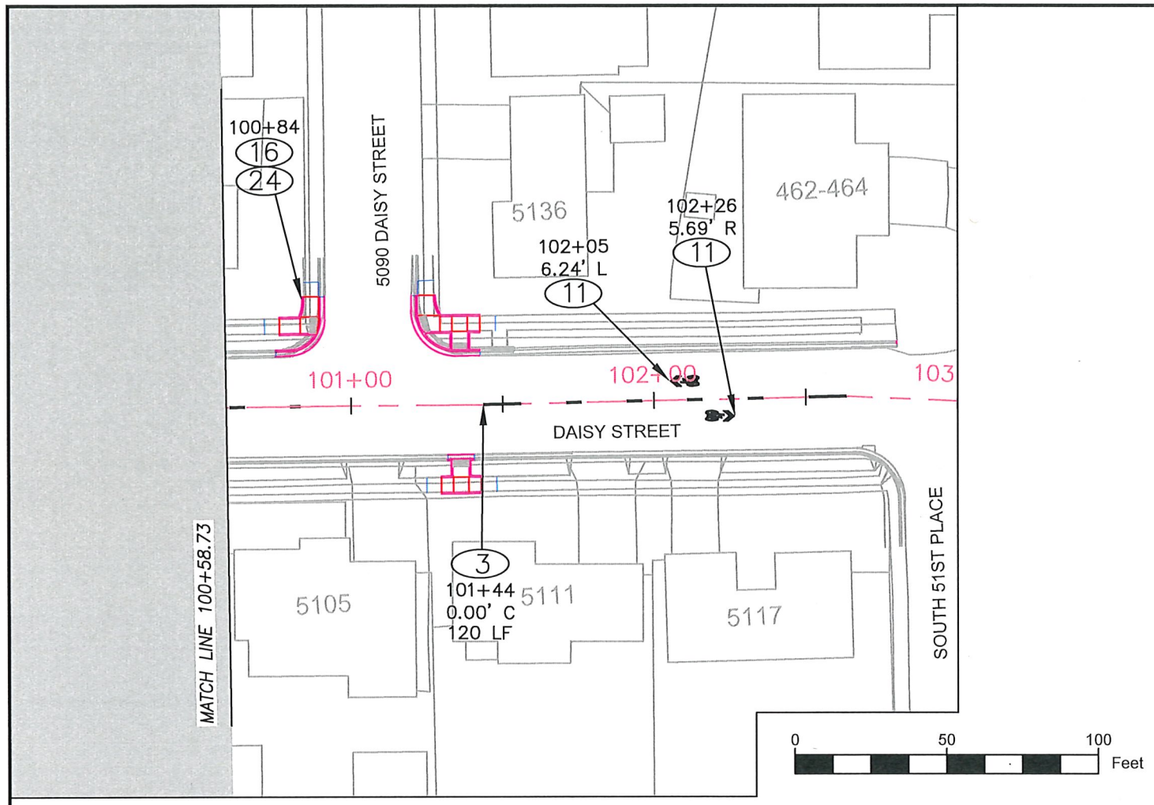
STRIPING & SIGNING PLANS

SCALE: 1" = 50'	SHEET S5 OF 105
DRAWN BY: R.WARNER	
DESIGNED BY: J. JONES	
CHECKED BY: B. BARNETT	

February 27, 2020

\\spifs031\pwdesign\PROJECTS\TRAFFIC\p21114 Virginia-daisy Bike Boulevard\DESIGN\Phase 1A\DWG\P21114-IA S1-S7.dwg



PAVEMENT MARKING NOTES:

- (3) PAINT 4" YELLOW BROKEN LINE (YB) SEE ODOT STD DWG TM500
- (11) INSTALL SHARED LANE MARKING (SLM) SEE ODOT STD DWG TM503
- (16) REMOVE AND REPLACE SIGN ASSEMBLY. SEE STD DWG 5-18
- (24) INSTALL SIGN SUPPORT. SEE STD DWG 5-18

North

North

No.	Revision/Issue	Date

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OREGON
MAY 5, 1998
BRIAN F. BARNETT

EXPIRES 12-31-21

STRIPING & SIGNING PLANS

SCALE: 1" = 50'

DRAWN BY:	R.WARNER
DESIGNED BY:	J. JONES
CHECKED BY:	B. BARNETT

SHEET **S6** OF **105**

February 27, 2020

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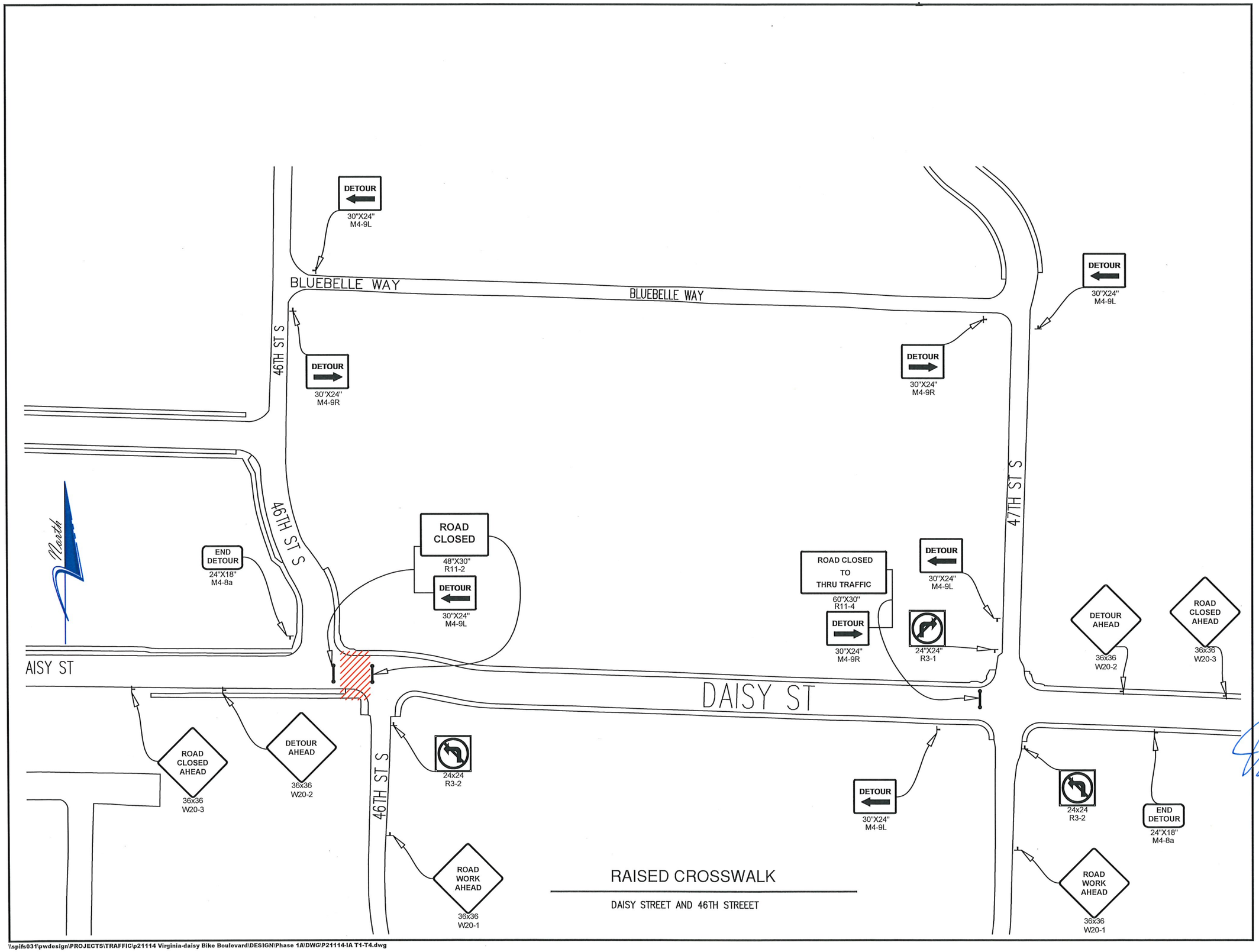

No.	Revision/Issue	Date

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SPRINGFIELD OREGON

REGISTERED PROFESSIONAL ENGINEER
19697PE
OREGON
MAY 5, 1998
BRIAN F. BARNETT

EXPIRES 12-31-21

TEMP TRAFFIC CONTROL

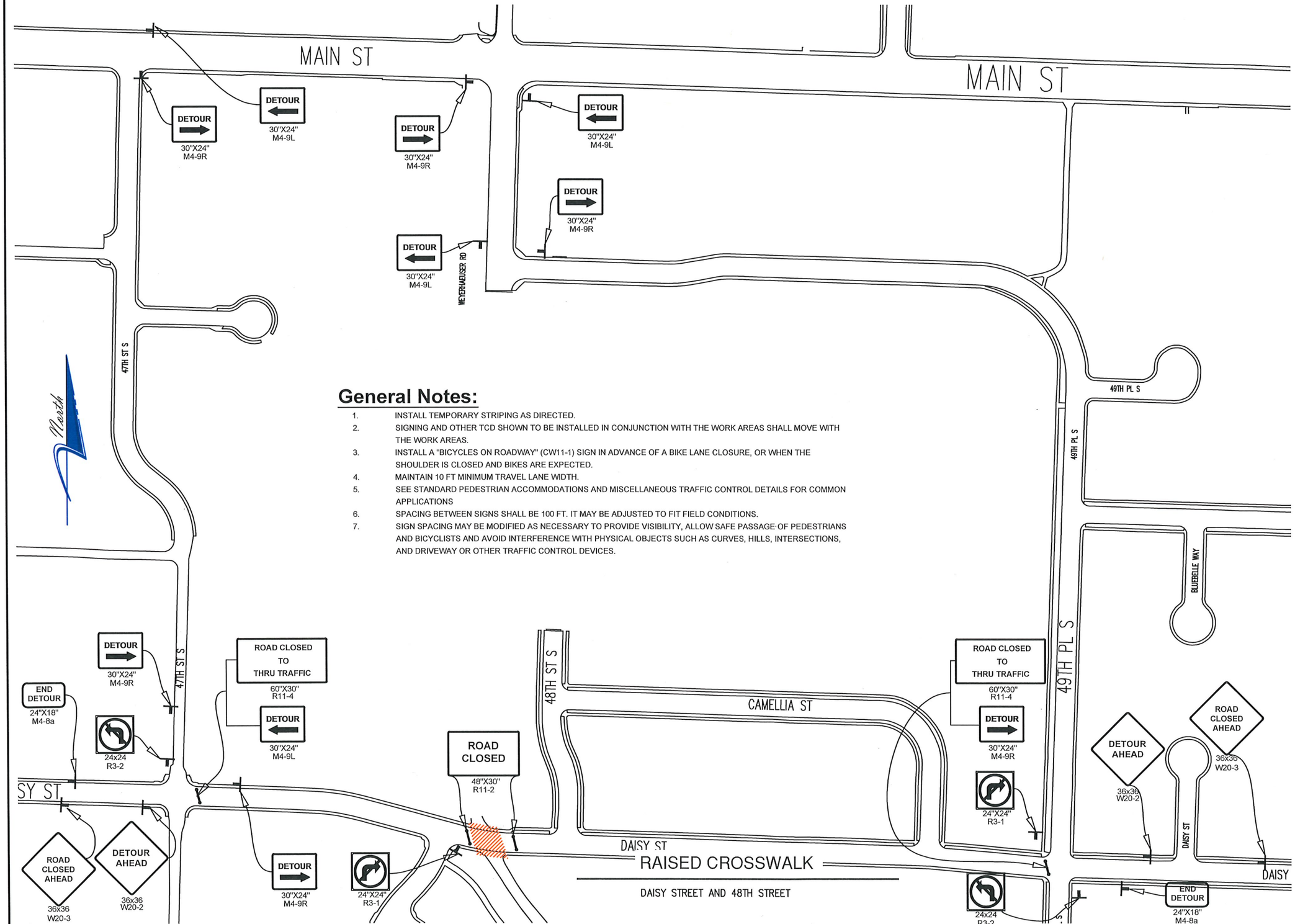
NO SCALE

DRAWN BY:	B. JABUSCH
DESIGNED BY:	J. JONES
CHECKED BY:	B. BARNETT

SHEET **T1** OF **105**

February 27, 2020

\\spifs031\pwdesign\PROJECTS\TRAFFIC\p21114 Virginia-daisy Bike Boulevard\DESIGN\Phase 1A\DWG\P21114-IA T1-T4.dwg



General Notes:

1. INSTALL TEMPORARY STRIPING AS DIRECTED.
2. SIGNING AND OTHER TCD SHOWN TO BE INSTALLED IN CONJUNCTION WITH THE WORK AREAS SHALL MOVE WITH THE WORK AREAS.
3. INSTALL A "BICYCLES ON ROADWAY" (CW11-1) SIGN IN ADVANCE OF A BIKE LANE CLOSURE, OR WHEN THE SHOULDER IS CLOSED AND BIKES ARE EXPECTED.
4. MAINTAIN 10 FT MINIMUM TRAVEL LANE WIDTH.
5. SEE STANDARD PEDESTRIAN ACCOMMODATIONS AND MISCELLANEOUS TRAFFIC CONTROL DETAILS FOR COMMON APPLICATIONS
6. SPACING BETWEEN SIGNS SHALL BE 100 FT. IT MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. SIGN SPACING MAY BE MODIFIED AS NECESSARY TO PROVIDE VISIBILITY, ALLOW SAFE PASSAGE OF PEDESTRIANS AND BICYCLISTS AND AVOID INTERFERENCE WITH PHYSICAL OBJECTS SUCH AS CURVES, HILLS, INTERSECTIONS, AND DRIVEWAY OR OTHER TRAFFIC CONTROL DEVICES.

No.	Revision/Issue	Date

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BRIAN F. BARNETT
EXPIRES 12-31-21

TEMP TRAFFIC CONTROL

NO SCALE

DRAWN BY:	B. JABUSCH
DESIGNED BY:	J. JONES
CHECKED BY:	B. BARNETT

SHEET T2 OF 105

February 27, 2020

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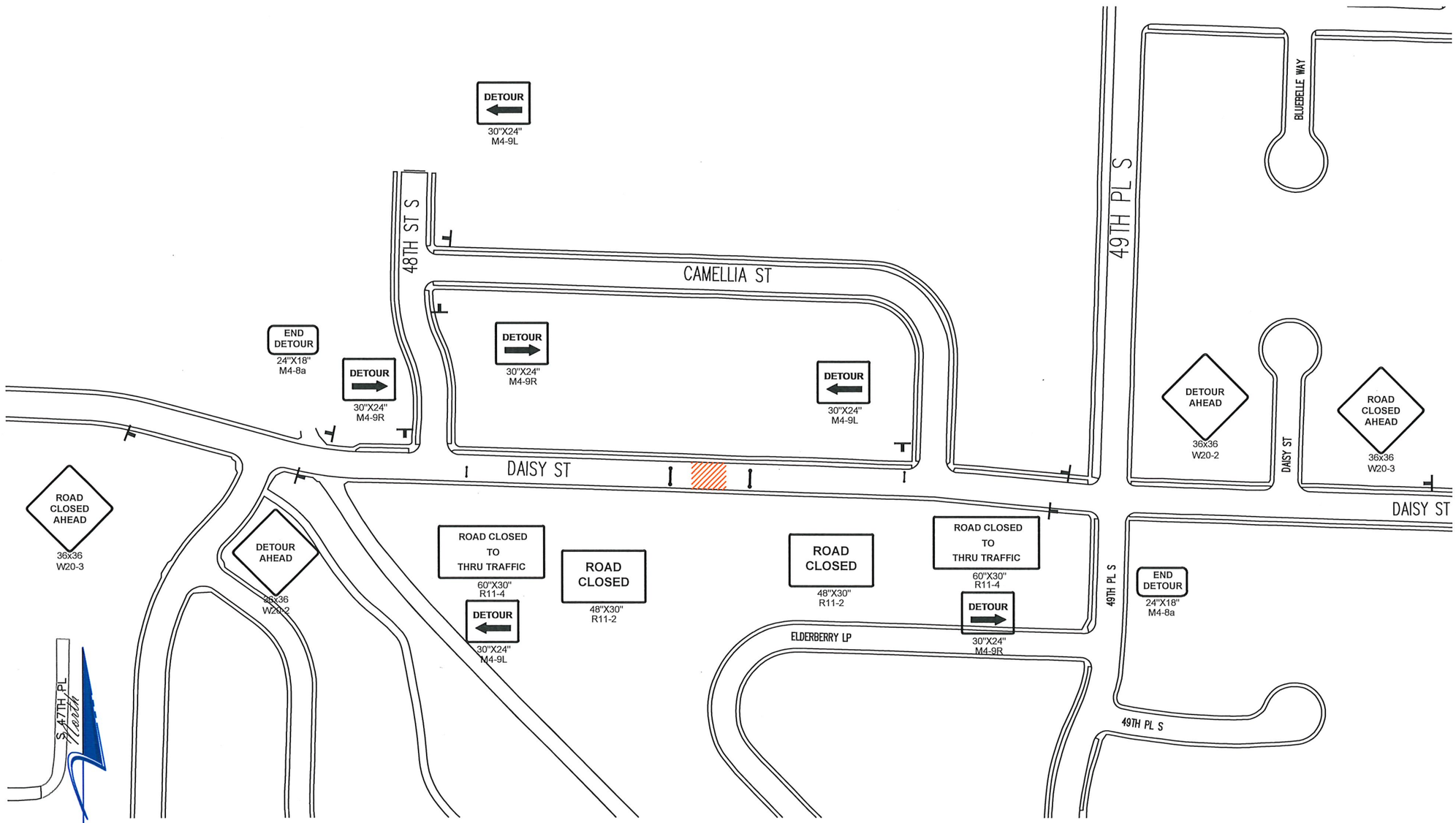

SPEED HUMP

DAISY STREET AND 46TH STREEET

No.	Revision/Issue	Date

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19,697PE
2/27/2020
OREGON
MAY 5, 1998
BRIAN F. BARNETT

EXPIRES 12-31-21

TEMP TRAFFIC CONTROL

NO SCALE

DRAWN BY:	B. JABUSCH
DESIGNED BY:	J. JONES
CHECKED BY:	B. BARNETT

SHEET T3 OF 105

February 27, 2020

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RAISED CROSSWALK

DAISY STREET AND 49TH PLACE

No.	Revision/Issue	Date

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EXPIRES 12-31-21

TEMP TRAFFIC CONTROL

NO SCALE

DRAWN BY:	B. JABUSCH
DESIGNED BY:	J. JONES
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SHEET T4 OF 105

February 27, 2020

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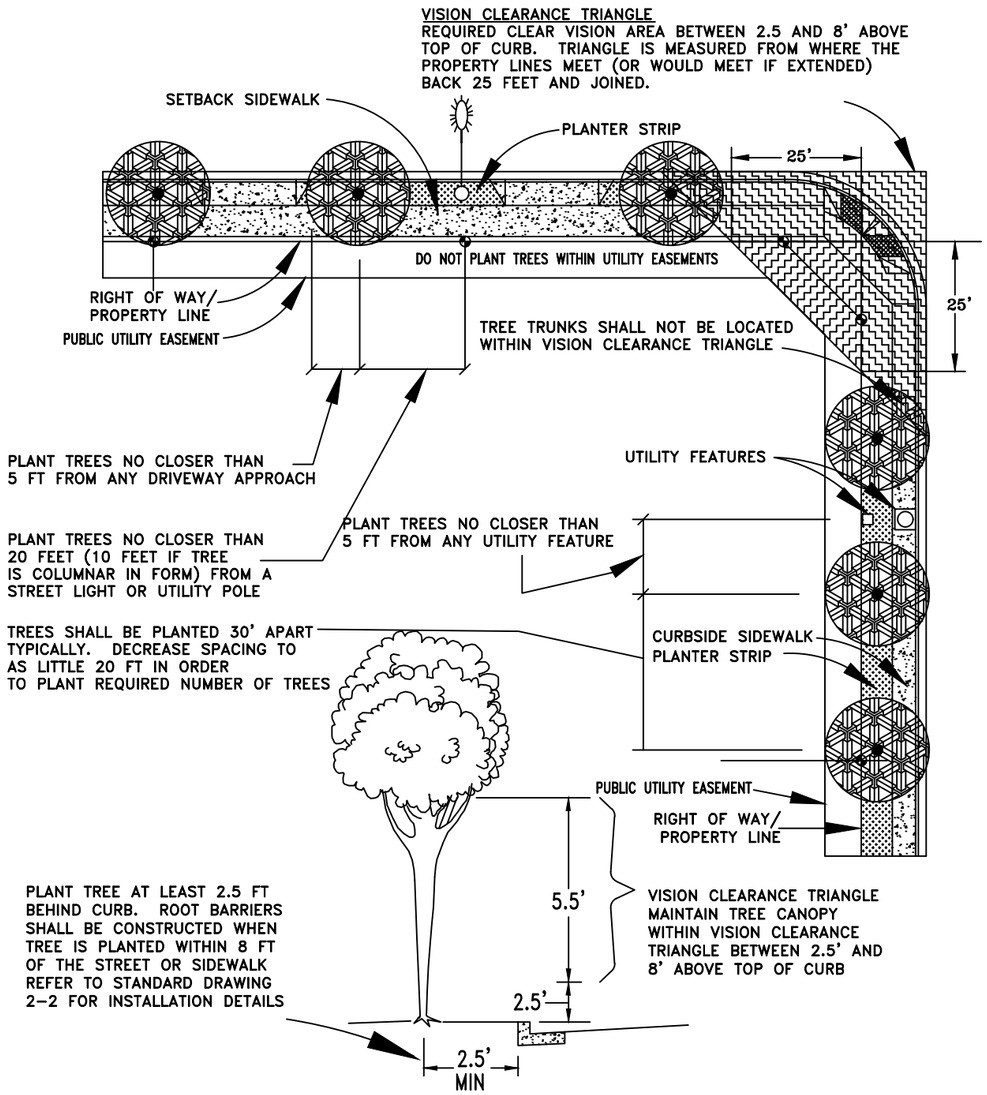


NOTES

* REFER TO STANDARD DRAWING 2-2 FOR INSTALLATION (PLANTING) DETAILS
* STREET TREES SHALL BE PLANTED 30' APART TYPICALLY. SPACING MAY BE DECREASED TO 20' MIN TO ALLOW FOR REQUIRED NUMBER OF TREES.
* STREET TREES SPECIES SHALL BE SELECTED FROM THE CITY'S APPROVED STREET TREE LIST. REFER TO DESIGN STANDARDS & PROCEEDURES SECTION 6.00
* STREET TREES SHALL NOT BE PLANTED WITHIN AN EASEMENT UNLESS THERE IS NO OTHER LOCATION FEASEABLE.
* TREES PLANTED WITHIN 10 FEET OF THE RIGHT OF WAY WILL BE CONSIDERED STREET TREES

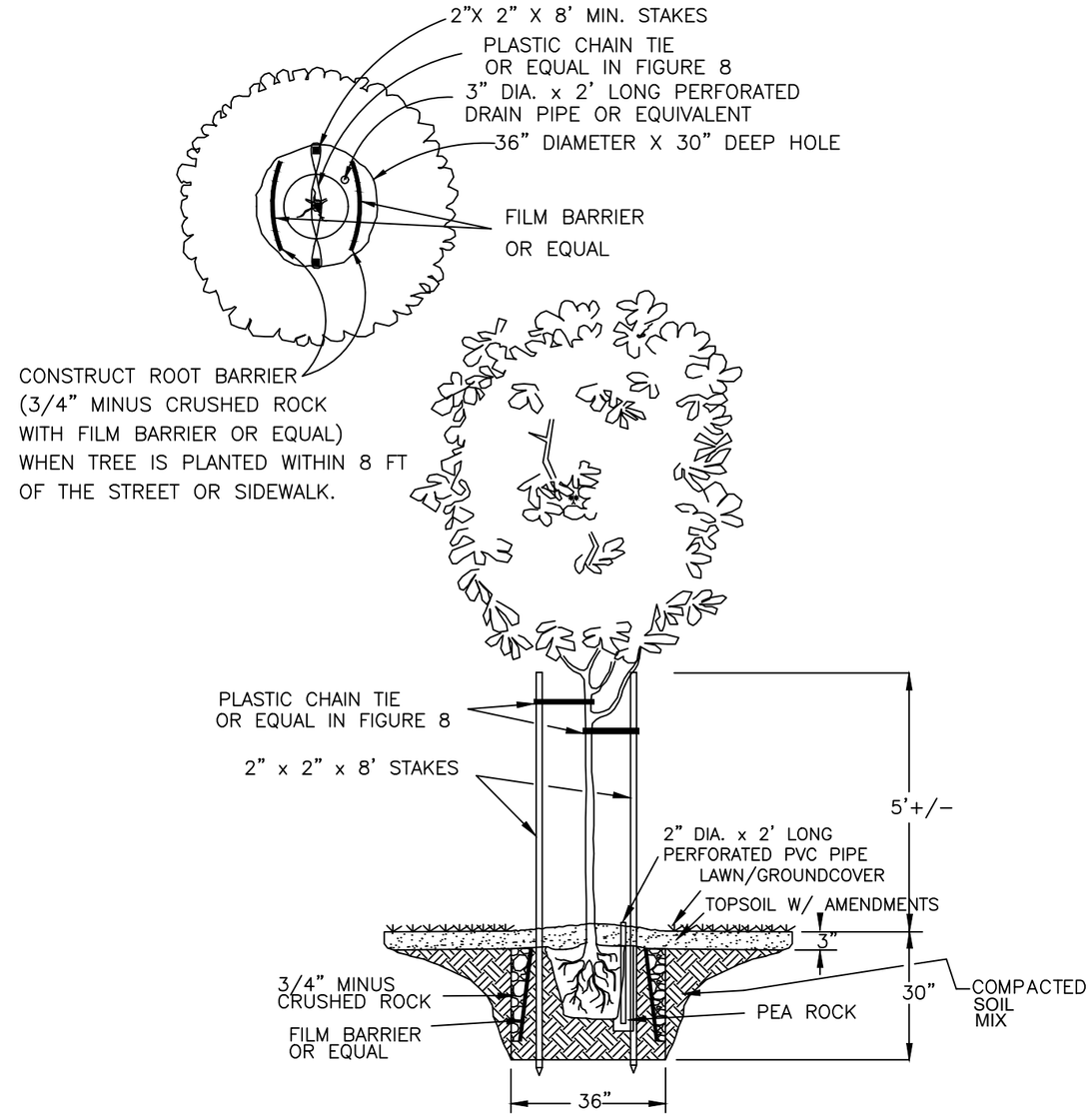
NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

STREET TREE LOCATION

Jeff Paschall City Engineer 2016

STANDARD DRAWING 2-1 2016



NOTES

* REFER TO STANDARD DRAWING 2-1 FOR LOCATION REQUIREMENTS.
* STREET TREE SPECIES SHALL BE SELECTED FROM THE CITY'S APPROVED STREET TREE LIST. REFER TO DESIGN STANDARDS AND PROCEEDURES SECTION 6.00
* STREET TREES SHALL HAVE A 2 INCH MINIMUM TRUNK CALIPER AS MEASURED 6 INCHES ABOVE THE ROOT COLLAR.

NO	REVISION	DATE	BY	APPR.

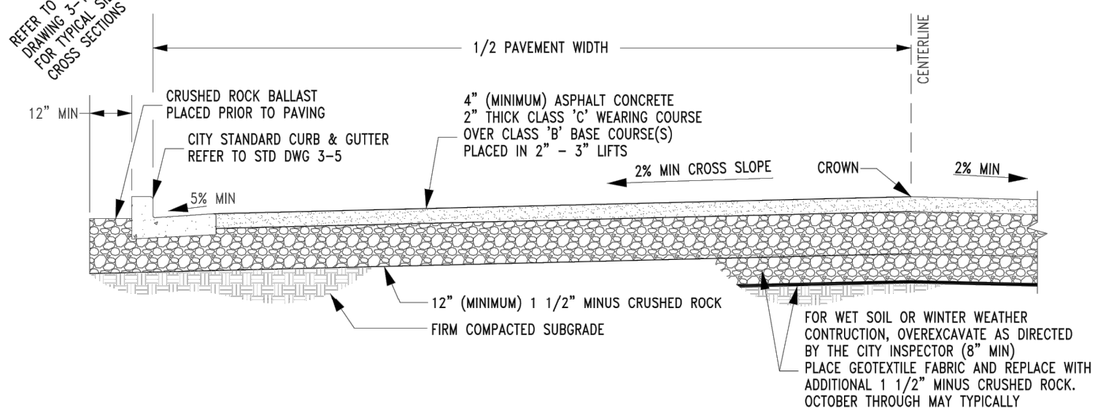
CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

STREET TREE INSTALLATION

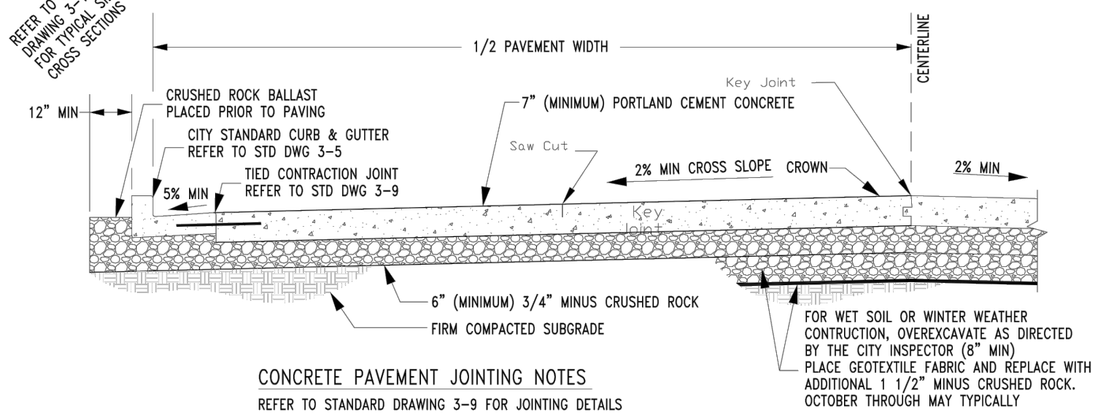
Jeff Paschall City Engineer 2016

STANDARD DRAWING 2-2 2016

ASPHALT CONCRETE PAVEMENT



PORTLAND CEMENT CONCRETE PAVEMENT



CONCRETE PAVEMENT JOINTING NOTES

REFER TO STANDARD DRAWING 3-9 FOR JOINTING DETAILS

NOTES

* STRUCTURAL THICKNESS IDENTIFIED ON THESE SECTIONS ARE THE MINIMUMS FOR DRY FIRMLY COMPACTED SUBGRADE. THE CITY INSPECTOR MAY REQUIRE OVEREXCAVATION (8" MINIMUM) AND THE PLACEMENT OF GEOTEXTILE FABRIC AND ADDITIONAL CRUSHED ROCK TO ENSURE A FIRM PAVEMENT BASE.
* REFER TO SPRINGFIELD STANDARD SPECIFICATIONS FOR ROADWAY STRUCTURE COMPACTION REQUIREMENTS
* A PARABOLIC CROWN MAY BE UTILIZED ON LOCAL RESIDENTIAL STREETS. REFER TO STANDARD DRAWINGS 3-4 FOR DETAILS.
* SIDEWALKS, ACCESS RAMPS, AND RESIDENTAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
* CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE
* CONCRETE PAVEMENT SHALL BE 4000 PSI FIELD STRENGTH (4600 PSI LAB STRENGTH) 7.0 SACK MIX CONCRETE WITH 1 1/2" MINUS FRACTURED AGGREGATE. PAVEMENT MIX DESIGNS SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO THE SCHEDULED PAVING DATE.

NO	REVISION	DATE	BY	APPR.

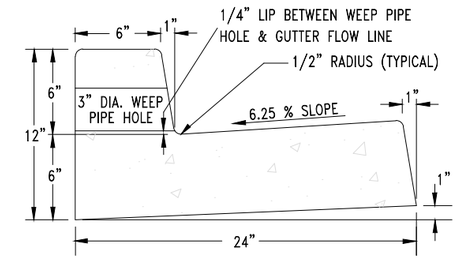
CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

TYPICAL SECTIONS STREET PAVING

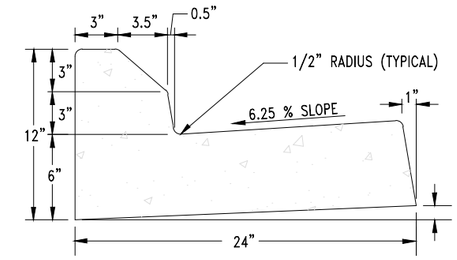
Jeff Paschall City Engineer 2016

STANDARD DRAWING 3-1 2016

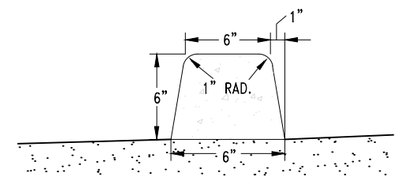
STANDARD CURB & GUTTER



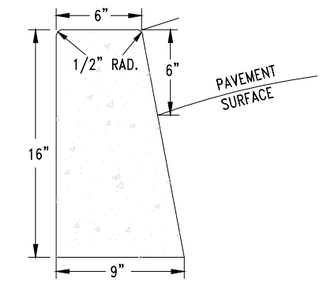
MOUNTABLE CURB & GUTTER



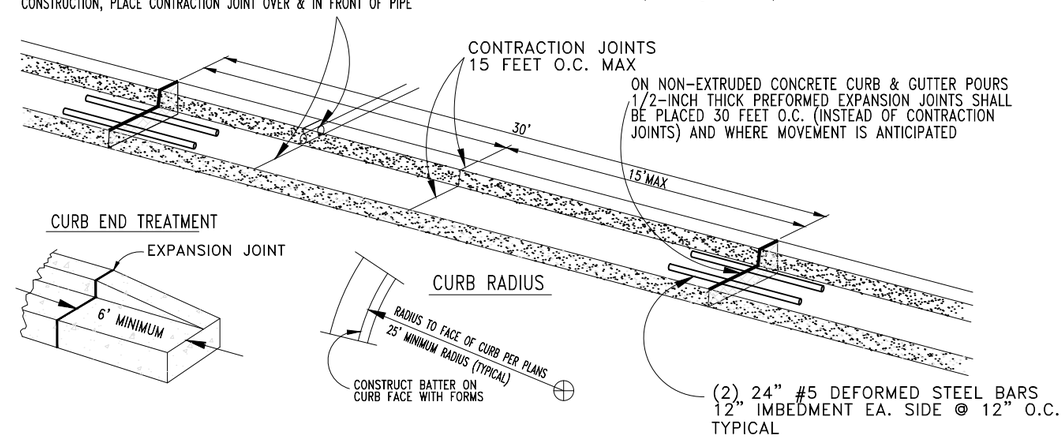
EXTRUDED CURB



FULL DEPTH CURB



WEEP HOLES SHALL BE PLACED AT 75' O.C. OR AS OTHERWISE SPECIFIED REFER TO STD DWG. 3-XX FOR INSTALLATION DETAILS. IN NEW CONSTRUCTION, PLACE CONTRACTION JOINT OVER & IN FRONT OF PIPE



NOTES

* WHERE CONCRETE PAVEMENT WILL BE USED, CONTRACTION JOINTS SHALL BE PLACED TO MATCH TRANSVERSE CONTRACTION JOINT LOCATIONS IN STREET PAVEMENT AND 24" #5 REBAR TIE BARS SHALL BE PLACED IN GREEN CONCRETE.
* CURB AND GUTTER SURFACES SHALL HAVE A BROOM FINISH PARALLEL TO THE LENGTH OF THE CURB
* SIDEWALKS, ACCESS RAMPS, AND RESIDENTIAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
* CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE

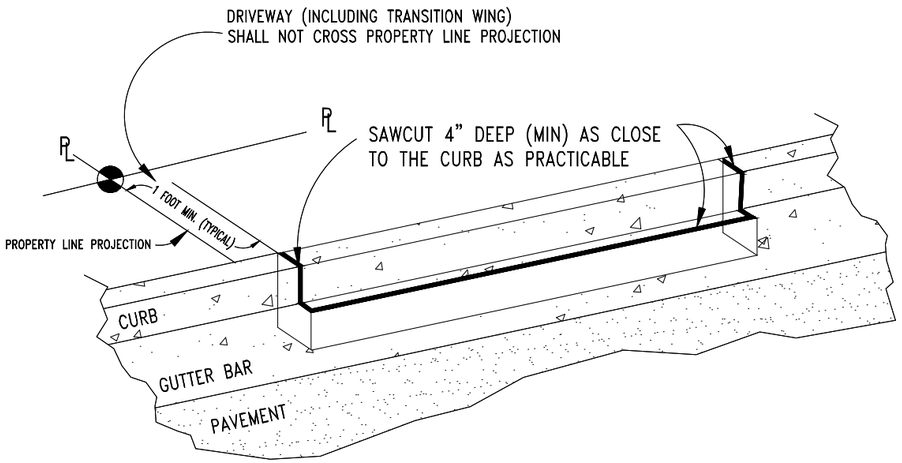
NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

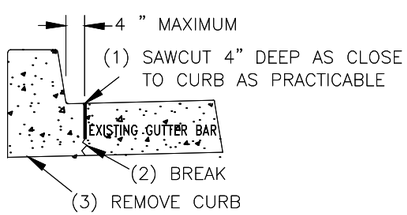
CURB & GUTTER

Jeff Paschall City Engineer 2016

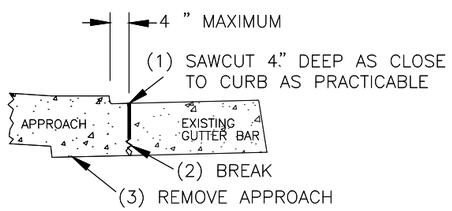
STANDARD DRAWING 3-5 2016

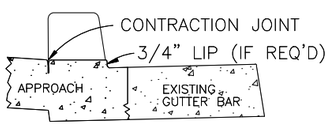


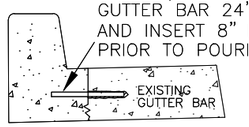
CURB REMOVAL
FOR DRIVEWAY OR RAMP PLACEMENT



CURB REPLACEMENT
WITH STANDARD CURB







NOTES

* EXISTING GUTTER BAR SHALL NOT BE REMOVED WITHOUT PRIOR APPROVAL BY THE CITY
* CURB CUT WIDTH SHALL BE IN ACCORDANCE WITH PERMIT
* ALTERNATIVELY, CURB CUTS MAY BE SAWED USING THE "PRECISION CUT" METHOD OR EQUIVALENT
* SIDEWALKS, ACCESS RAMPS, AND RESIDENTIAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
* CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE

NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

CURB
REMOVAL & REPLACEMENT

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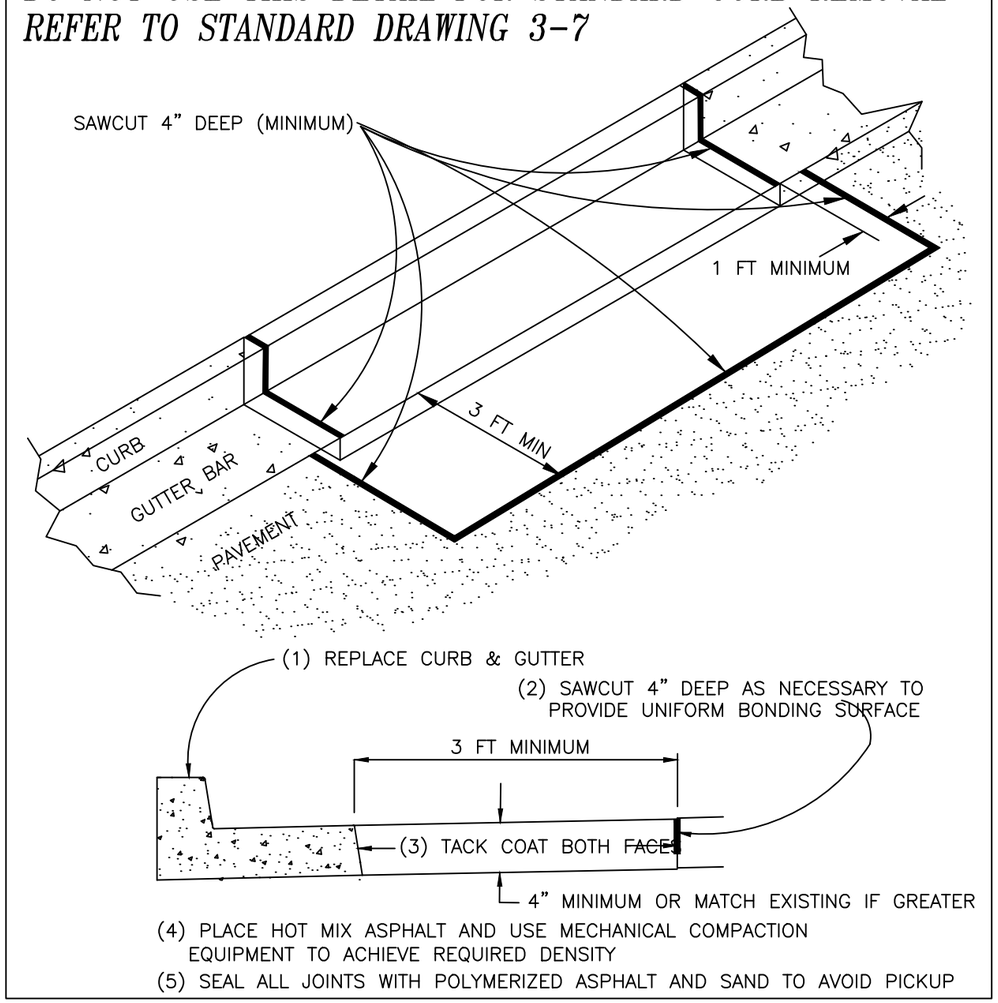
STANDARD DRAWING
3-7

DO NOT USE THIS DETAIL FOR STANDARD CURB REMOVAL
REFER TO STANDARD DRAWING 3-7



NOTES

* EXISTING GUTTER BAR SHALL NOT BE REMOVED WITHOUT PRIOR APPROVAL BY THE CITY
* CURB CUT WIDTH SHALL BE IN ACCORDANCE WITH PERMIT
* REFER TO SPRINGFIELD STANDARD SPECIFICATIONS FOR ROADWAY STRUCTURE COMPACTION REQUIREMENTS
* SIDEWALKS, ACCESS RAMPS, AND RESIDENTIAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
* CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE

NO	REVISION	DATE	BY	APPR.

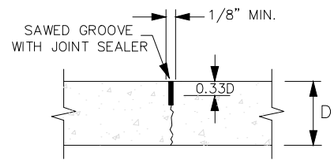
CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

CURB & GUTTER
REMOVAL & REPLACEMENT

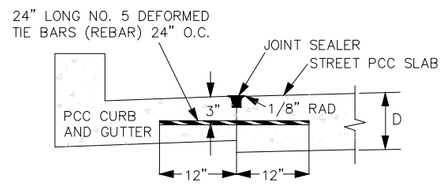
Jeff Paschall City Engineer 2016

STANDARD DRAWING
3-8
2016

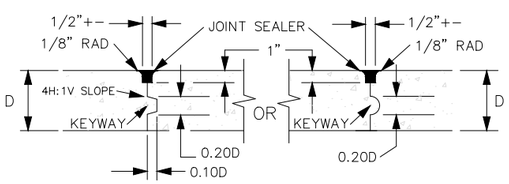
DETAIL 1
CONTRACTION JOINT
TRANSVERSE OR LONGITUDINAL



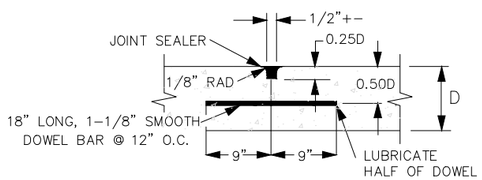
DETAIL 2
TIED CONTRACTION JOINT
PAVEMENT TO CURB & GUTTER



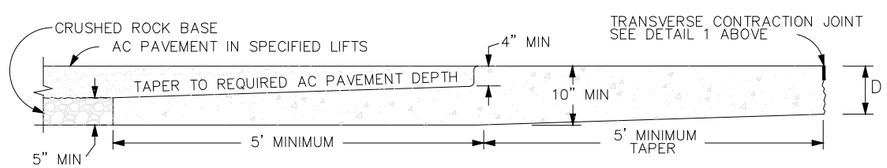
DETAIL 3
LONGITUDINAL CONSTRUCTION JOINT



DETAIL 4
TRANSVERSE CONTRACTION JOINT



DETAIL 5
THICKENED EDGE EXPANSION JOINT
CONCRETE TO ASPHALT PAVEMENT TRANSITION



NOTES

* " D " IS THE DEPTH OF THE CONCRETE PAVEMENT AS SHOWN ON THE PLANS OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS
* JOINTING AND PAVEMENT STRENGTH SHALL BE IN ACCORDANCE WITH THE PLANS AND CONTRACTION DOCUMENTS.
* THE CITY CONSTUCTION INSPECTOR MAY ADJUST JOINTING AS NECESSARY IN THE FIELD.

NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

CONCRETE PAVEMENT
JOINTING DETAILS

Jeff Paschall City Engineer 2016

STANDARD DRAWING
3-9

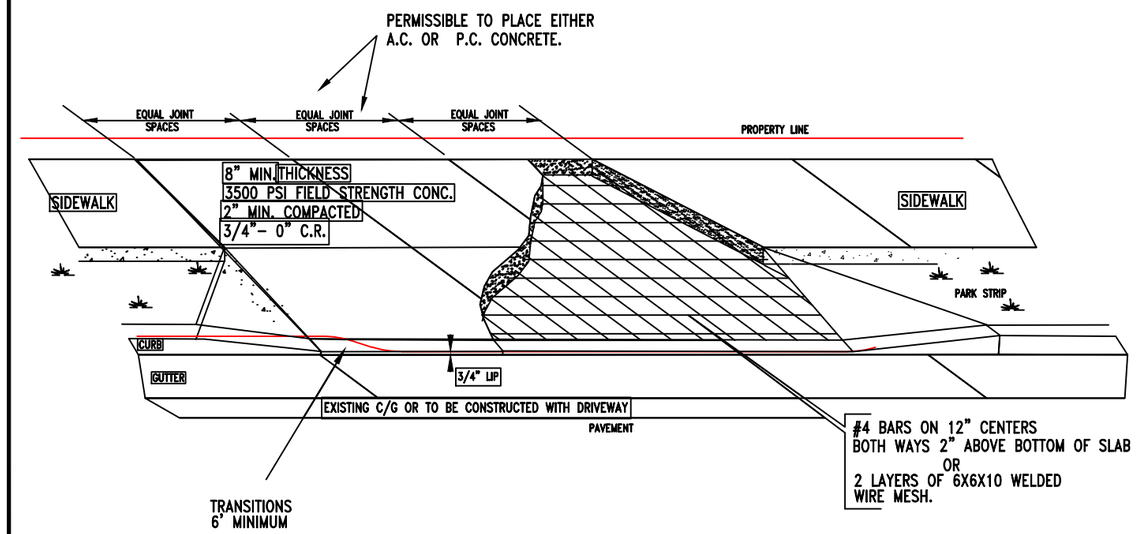
CONCRETE STRENGTH

FIELD STRENGTH	LAB STRENGTH
3000 PSI	3450 PSI
3500 PSI	4025 PSI

NOTE:
CONFINE DRIVEWAY WITHIN LINES PERPENDICULAR TO CURB LINE AND PASSING THROUGH LOT CORNERS.

CONSTRUCTING THE DRIVEWAY APPROACH

1. IF SIDEWALK EXISTS, REMOVE AND REPLACE A SUITABLE AMOUNT OF WALK TO MEET THE DRIVEWAY GRADE. MAXIMUM SIDEWALK SLOPE IS 12:1
2. EXISTING SIDEWALK TO BE SAWCUT AND EXPANSION JOINTS PLACED BETWEEN THE NEW AND EXISTING SIDEWALK
3. IF IN CONJUNCTION WITH SIDEWALK CONSTRUCTION, DRIVEWAY SHALL MEET SIDEWALK GRADE.
4. IF FUTURE SIDEWALKS ARE TO BE BUILT, THE DRIVEWAY APPROACH SHALL BE CONSTRUCTED TO THE EDGE OF THE FUTURE SIDEWALK NEAREST THE PROPERTY LINE AND TO THE FUTURE SIDEWALK GRADE.
5. PORTLAND CEMENT CONCRETE DRIVEWAY APPROACH TO BE PLACED AT THE ESTABLISHED GRADE SET BY THE ENGINEER.



COMMERCIAL/INDUSTRIAL REINFORCED DRIVEWAY
35 FT MAXIMUM

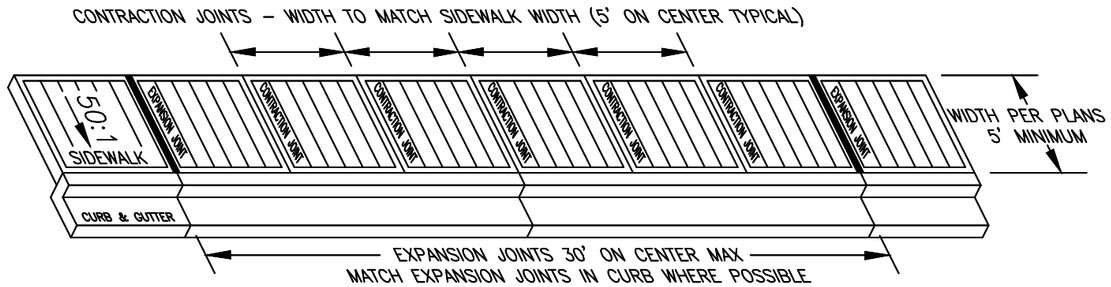
NO	REVISION	DATE	BY	APPR.
1	Updated Drawing	5/08	JLP	

SPRINGFIELD OREGON

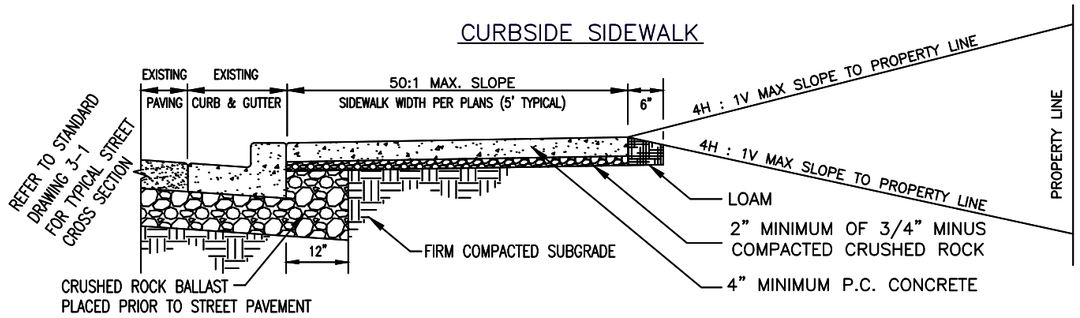
COMMERCIAL/INDUSTRIAL
DRIVEWAY APPROACH

Jeff Paschall City Engineer 2019

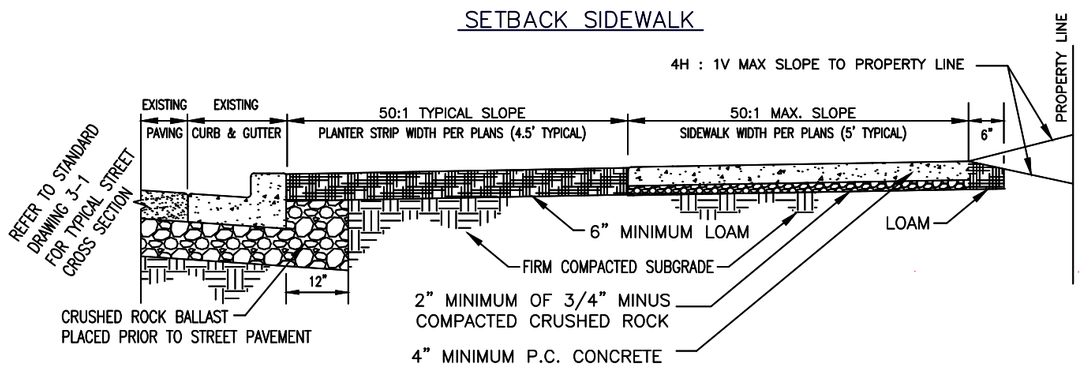
STANDARD DRAWING
3-10
2019



CURBSIDE SIDEWALK



SETBACK SIDEWALK



NOTES

* NO ABOVE-GROUND FACILITIES (FIRE HYDRANTS, POWER POLES, CATCH BASINS, VALVES, J-BOXES, ETC.) SHALL BE PERMITTED WITHIN THE SIDEWALK AREA
* ALL SURFACES SHALL HAVE A BROOM FINISH.
* SIDEWALKS, ACCESS RAMPS, AND RESIDENTIAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
* CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE

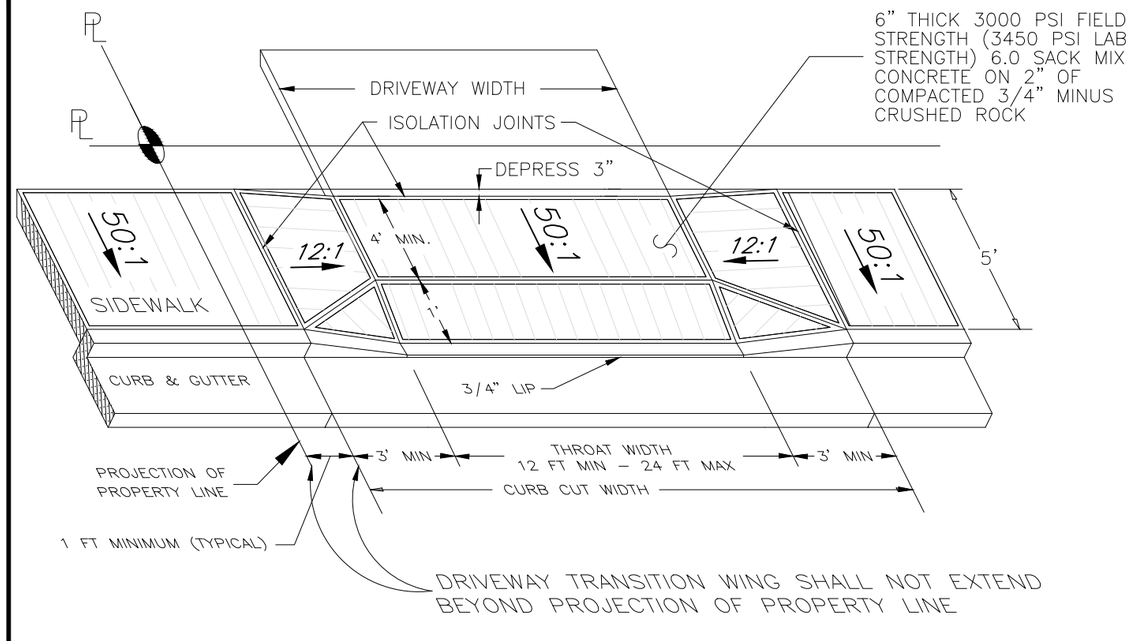
NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

SIDEWALK CONSTRUCTION

Jeff Paschall City Engineer 2016

STANDARD DRAWING 3-12 2016



*

NOTES

NO ABOVE-GROUND FACILITIES (FIRE HYDRANTS, POWER POLES, CATCH BASINS, VALVES, J-BOXES, ETC.) SHALL BE PERMITTED WITHIN THE APRON AREA

* THIS STANDARD DRAWING SHALL BE USED FOR SINGLE FAMILY HOMES AND DUPLEXES ONLY. REFER TO COMMERCIAL DRIVEWAY APRON DRAWING(S) FOR OTHER DEVELOPMENT TYPES
* THROAT WIDTH SHALL BE BETWEEN 12 FEET (MINIMUM) AND 24 FEET (MAXIMUM)
* ALL SURFACES SHALL HAVE A BROOM FINISH.
* REFER TO STANDARD DRAWING 3-7 FOR CURB CUT DETAILS
* CONCRETE IN APPROACH AND SIDEWALK BEHIND APPROACH SHALL BE 6" THICK (MIN) ON 2" OF 3/4" MINUS CRUSHED ROCK.
* NO REINFORCEMENT IS REQUIRED
* A CONTRACTION (SCORE) JOINT SHALL BE ADDED IN THE CENTER OF THE APRON WHEN THE THROAT WIDTH EXCEEDS 20 FT.
* SIDEWALKS, ACCESS RAMPS, AND RESIDENTIAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
* CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE

SIDEWALK ACCESS RAMP NOTES

THIS DRIVEWAY APPROACH MAY NOT BE USED AS A SIDEWALK ACCESS RAMP. REFER TO STANDARD DRAWING 3-20.

NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

RESIDENTIAL DRIVEWAY APRON
CURBSIDE SIDEWALK (STANDARD)

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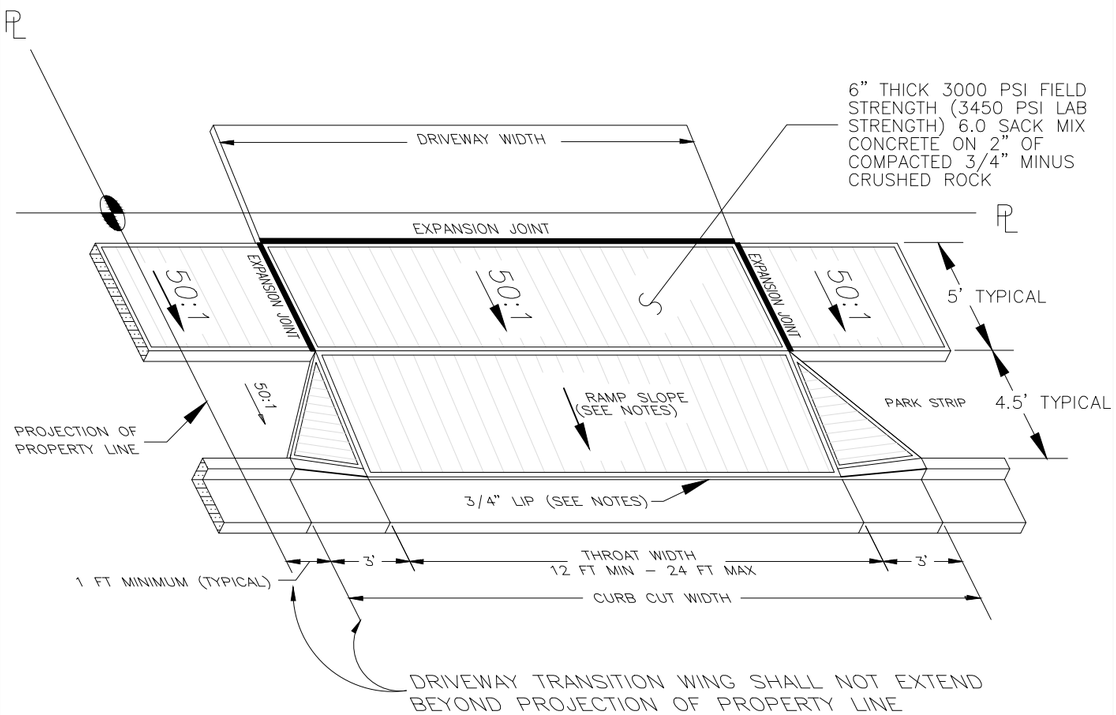
STANDARD DRAWING 3-19 2016



NOTES

- ∗ NO ABOVE-GROUND FACILITIES (FIRE HYDRANTS, POWER POLES, CATCH BASINS, VALVES, J-BOXES, ETC.) SHALL BE PERMITTED WITHIN THE APRON AREA
- ∗ THIS STANDARD DRAWING SHALL BE USED FOR SINGLE FAMILY HOMES AND DUPLEXES ONLY. REFER TO COMMERCIAL DRIVEWAY APRON DRAWING(S) FOR OTHER DEVELOPMENT TYPES
- ∗ THROAT WIDTH SHALL BE BETWEEN 12 FEET (MINIMUM) AND 24 FEET (MAXIMUM)
- ∗ ALL SURFACES SHALL HAVE A BROOM FINISH.
- ∗ REFER TO STANDARD DRAWING 3-7 FOR CURB CUT DETAILS
- ∗ CONCRETE IN APPROACH AND SIDEWALK BEHIND APPROACH SHALL BE 6" THICK (MIN) ON 2" OF 3/4" MINUS CRUSHED ROCK.
- ∗ NO REINFORCEMENT IS REQUIRED
- ∗ A CONTRACTION (SCORE) JOINT SHALL BE ADDED IN THE CENTER OF THE APRON WHEN THE THROAT WIDTH EXCEEDS 20 FT.
- ∗ SIDEWALKS, ACCESS RAMPS, AND RESIDENTIAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
- ∗ CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE

SIDEWALK ACCESS RAMP NOTES

IF THIS DRIVEWAY APPROACH IS TO ALSO SERVE AS AN SIDEWALK ACCESS RAMP ALL OF THE FOLLOWING APPLY:

- ∗ RAMP SLOPE SHALL NOT EXCEED 12:1 RELATIVE TO THE HORIZONAL.
- ∗ NO LIP SHALL BE PLACED AT THE GUTTER BAR.

NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

RESIDENTIAL DRIVEWAY APRON SETBACK SIDEWALK

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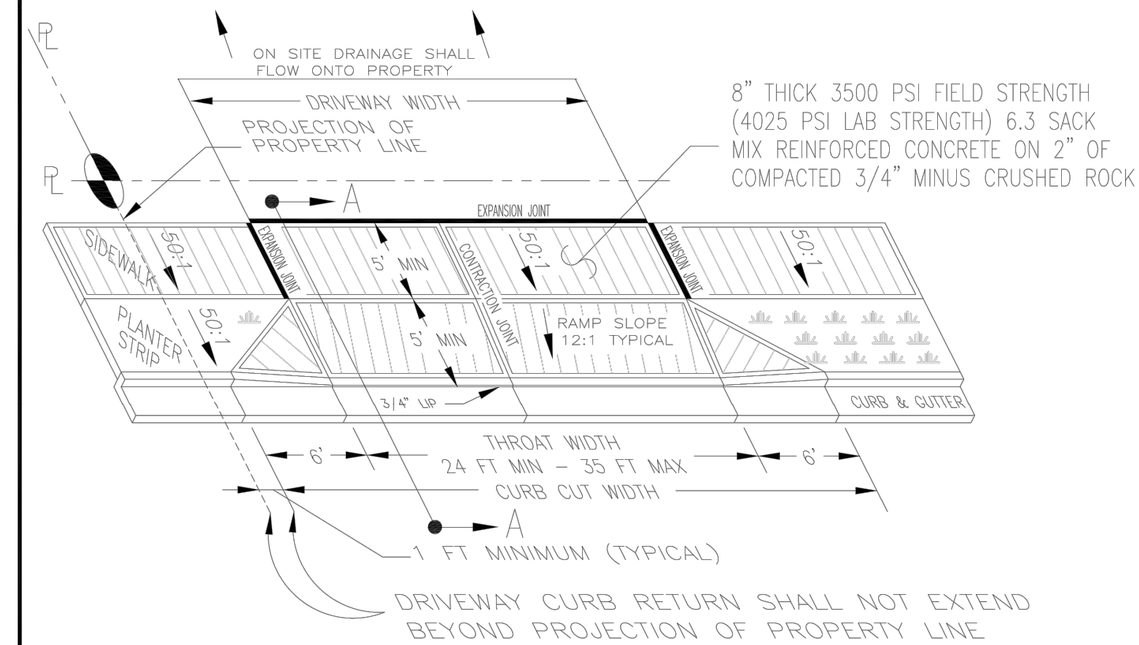
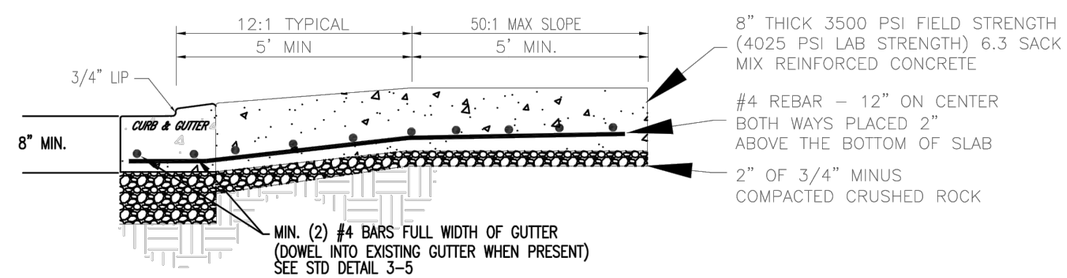
STANDARD DRAWING 3-21 2016



SECTION A – A



NOTES

- ∗ NO ABOVE-GROUND FACILITIES (FIRE HYDRANTS, POWER POLES, CATCH BASINS, VALVES, J-BOXES, ETC.) SHALL BE PERMITTED WITHIN THE APRON OR RAMP AREA
- ∗ DRIVEWAY (THROAT) WIDTH SHALL BE BETWEEN 24 FEET (MINIMUM) AND 35 FEET (MAXIMUM) IN ACCORDANCE WITH CITY PERMITS.
- ∗ ALL SURFACES SHALL HAVE A BROOM FINISH.
- ∗ REFER TO STANDARD DRAWING 3-7 FOR CURB CUT DETAILS
- ∗ CONCRETE WITHIN APPROACH SHALL BE 8" THICK (MIN) CONCRETE ON 2" OF 3/4" MINUS CRUSHED ROCK.
- ∗ REINFORCEMENT IS REQUIRED. USE #4 REBAR – 12" ON CENTER – BOTH WAYS – PLACED 2" ABOVE THE BOTTOM OF THE SLAB
- ∗ A CONTRACTION (SCORE) JOINT SHALL BE ADDED IN THE CENTER OF THE APRON.
- ∗ SIDEWALKS, ACCESS RAMPS, AND RESIDENTIAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
- ∗ CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE

SIDEWALK ACCESS RAMP NOTES

THIS DRIVEWAY APPROACH MAY NOT BE USED AS A SIDEWALK ACCESS RAMP.

NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

COMMERCIAL DRIVEWAY APRON SETBACK SIDEWALK

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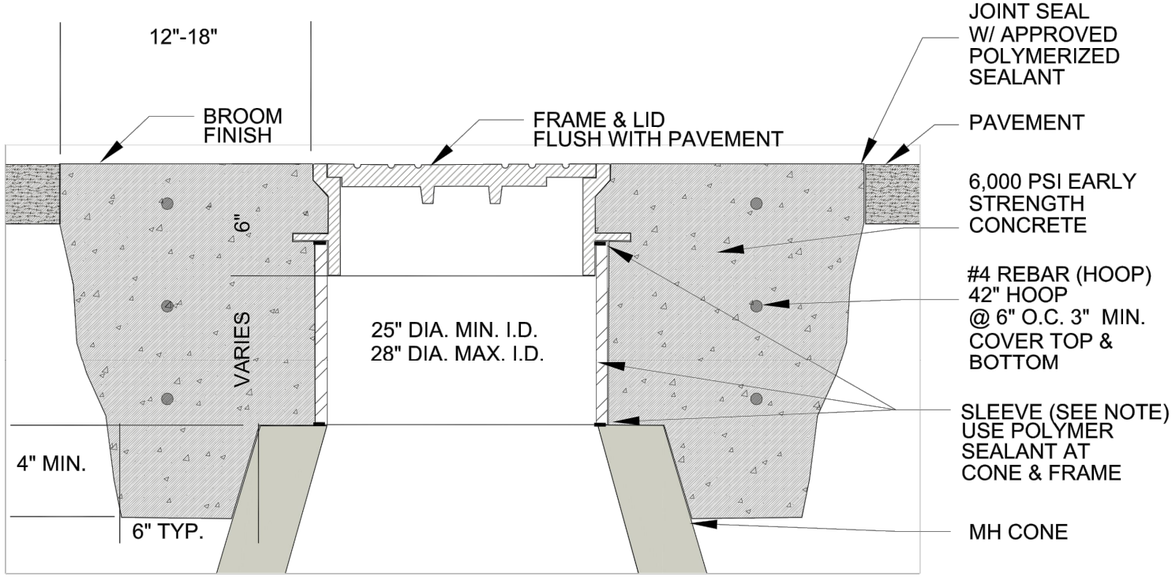
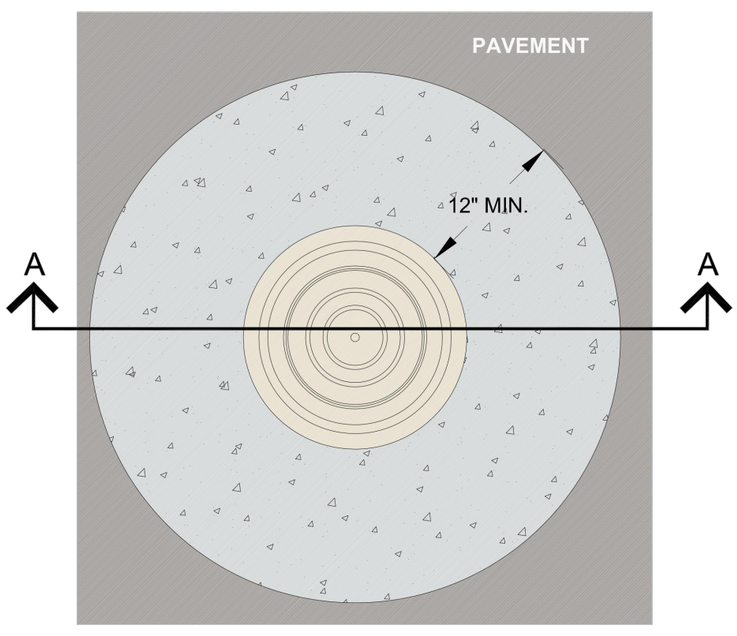
STANDARD DRAWING 3-24 2016



SECTION A-A



PLAN VIEW

NOTE:

CUT ROUND HOLE IN PAVEMENT.

PLACE MANHOLE COVER AND FRAME AT FINISH GRADE.

PRESS PVC AND FRAME INTO MH CONE TO SEAT.

FRAME AND COVER:
INLAND FOUNDRY CO. OR EQUAL
FRAME.....NO. 802
COVER .....NO. 802-2

SLEEVE: USE APPROVED POLYMER SEALANT MATERIAL. PREFERRED 27" PVC, HDPE, OR OTHER AS APPROVED BY ENGINEER.

NO	REVISION	DATE	BY	APPR.
1				

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

STANDARD MANHOLE
FRAME AND COVER ADJUSTMENT

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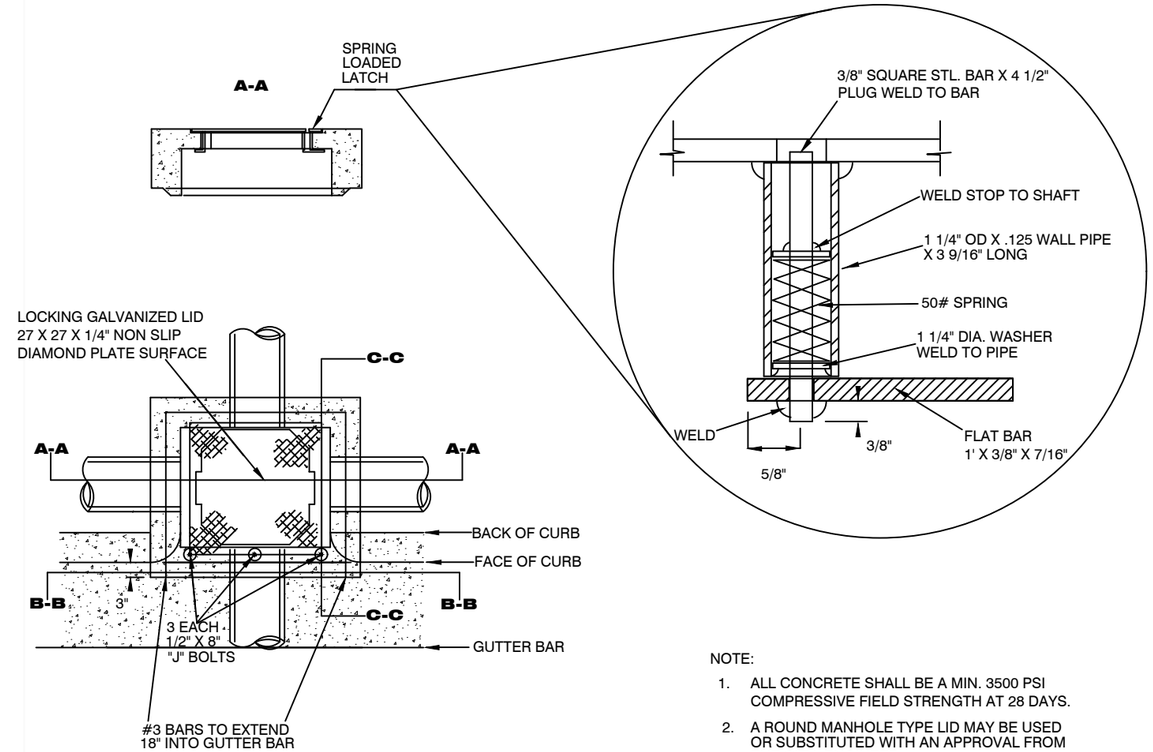
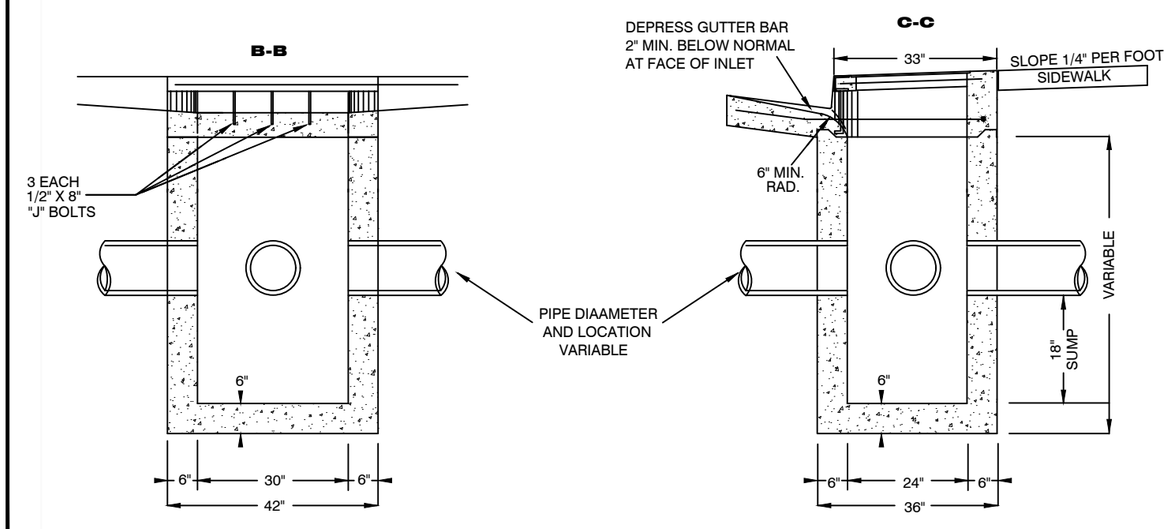
STANDARD DRAWING
4-1A



NOTE:

1. ALL CONCRETE SHALL BE A MIN. 3500 PSI COMPRESSIVE FIELD STRENGTH AT 28 DAYS.
2. A ROUND MANHOLE TYPE LID MAY BE USED OR SUBSTITUTED WITH AN APPROVAL FROM THE CITY ENGINEER.
3. BASE MAY BE PRECAST OR CAST IN PLACE.



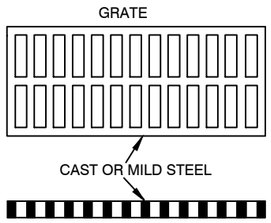
NO	REVISION	DATE	BY	APPR.
1	Updated Drawing	6/08	JLP	

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

CURB INLET CATCH BASIN
TYPE 2 1/2A

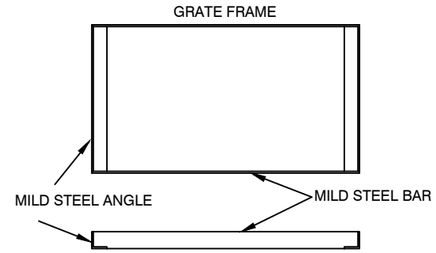
Jeff Paschall City Engineer 2016

STANDARD DRAWING
4-9

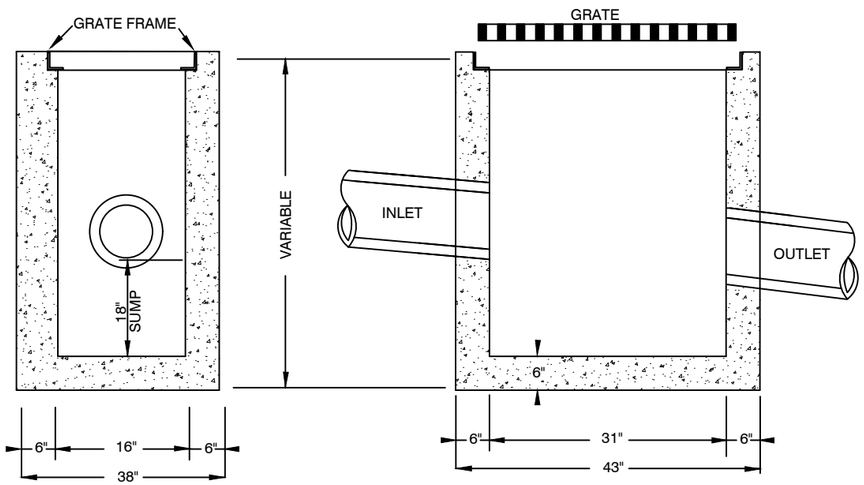


NOTE:

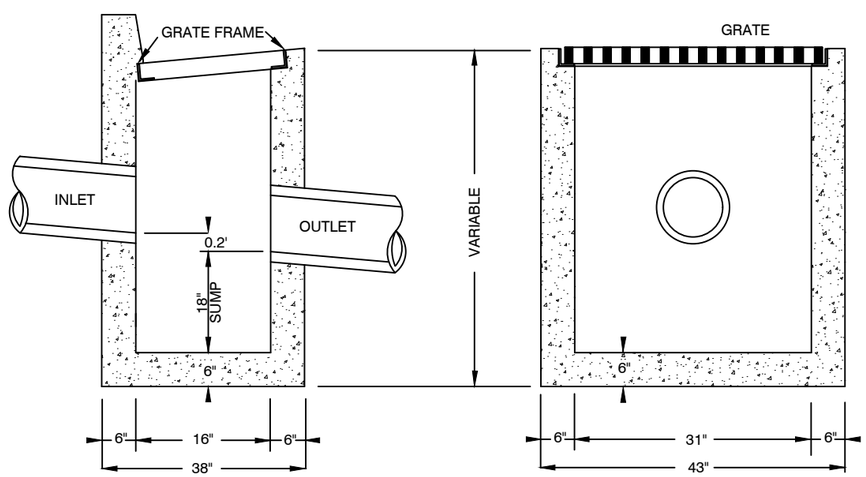
1. TYPICAL GRATE SIZE: 35 1/4 X 16 1/4 OR AS APPROVED BY ENGINEER.
2. TYPICAL FRAME BUILD WITH 2" X 1/2" MILD STEEL BAR & 2" X 2" X 1/2" MILD STEEL ANGLE.
3. SEE THE MANUFACTURER FOR SPECIFIC DETAILED DIMENSIONS
4. "BICYCLE PROOF GRATE" REQUIRED. AS APPROVED BY ENGINEER.



AREA DRAIN



STREET DRAIN



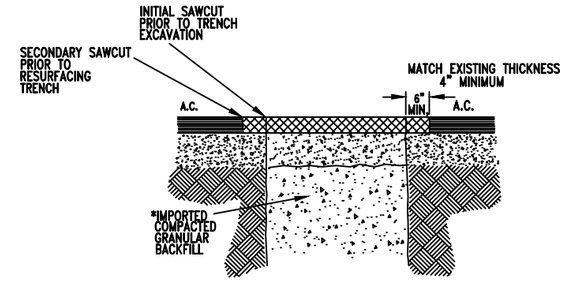
NO	REVISION	DATE	BY	APPR.
1	Updated Drawing	6/08	JLP	

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

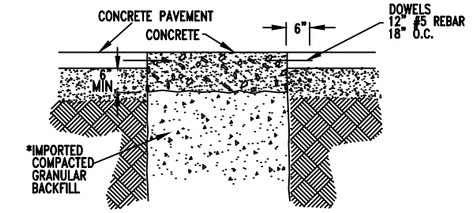
CATCH BASIN
AREA DRAIN & STREET DRAIN

Jeff Paschall City Engineer 2016

STANDARD DRAWING
4-11

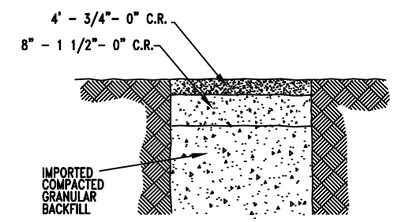


T – A
ASPHALT PAVED STREETS

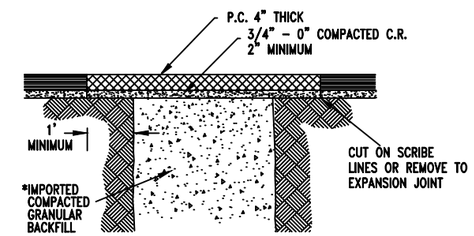


*CUTS CROSSING THE STREET OR WITHIN THE TRAVEL LANES MUST BE BACKFILLED WITH CONTROLLED DENSITY FILL (CDF)

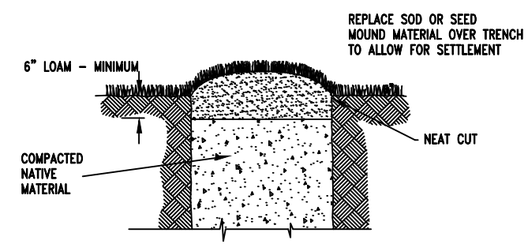
T – B
CONCRETE PAVED STREETS



T – C
UNPAVED STREETS AND ALLEYS



T – D
SIDEWALK AREAS



T – E
UNTRAVELED AREAS (LAWN)

NOTES:

1 ALL A.C. AND P.C. SURFACES SHALL BE SAWCUT
2 GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER
3 CONSTRUCT PIPE BEDDING AS SHOWN ON STD. DWG. 4–1
4 SEE SPECIFICATIONS, SECTION 405, BACKFILL: NATIVE AND IMPORTED

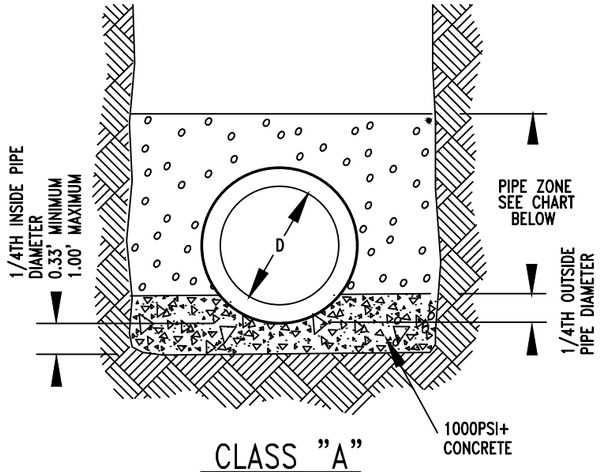
NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

SURFACE RESTORATION OVER
TRENCH EXCAVATION

Jeff Paschall City Engineer 2016

STANDARD DRAWING
4-16

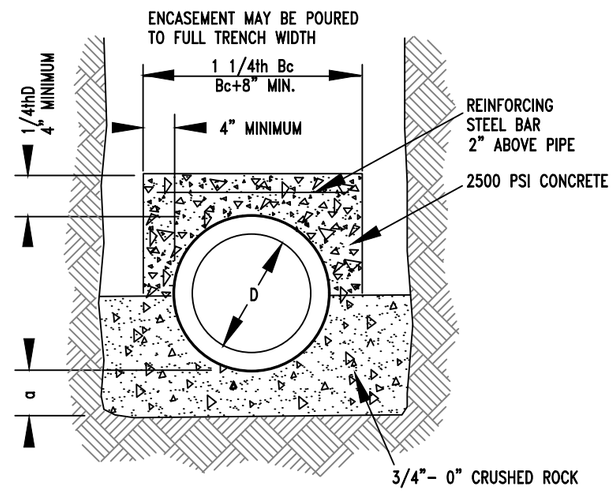


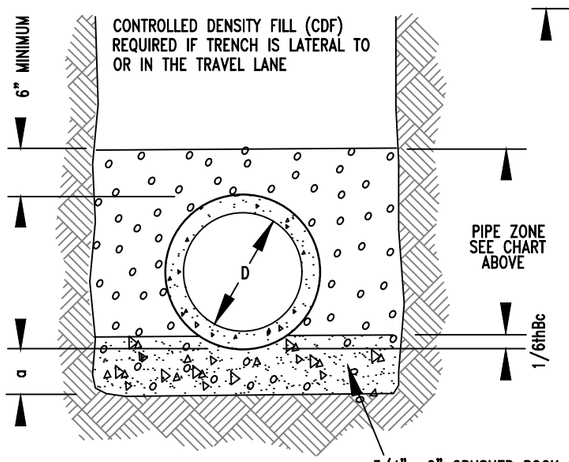
CLASS "A"

LOAD FACTOR 3.0

PIPE ZONE MATERIAL SHALL BE:

SANITARY SEWER	STORM SEWER
TIGHT JOINT PIPE PLASTIC PIPE	OPEN JOINTED PIPE PERFORATED PIPE
PEA ROCK BLEND SAND CRUSHED ROCK	ROUND ROCK (PEA ROCK) 3/8" MIN. DIAMETER 3/4" MAX. DIAMETER





CLASS "C"

LOAD FACTORS

REINFORCED P = 1.00%	4.8
REINFORCED P = 0.40%	3.4
PLAIN	2.8

CLASS "B"

Bc – OUTSIDE DIAMETER OF PIPE
D – NOMINAL PIPE SIZE
a – FILL BELOW PIPE (SEE TABLE)
P – AREA OF TRANSVERSE STEEL IN THE CRADLE OR ARCH EXPRESSED AS A PERCENTAGE OF AREA OF CONCRETE AT INVERT OR CROWN.

TABLE OF FILL DEPTH BELOW PIPE	
D	a MINIMUM
0 – 27"	3"
30" – 60"	4"
66" +	6"

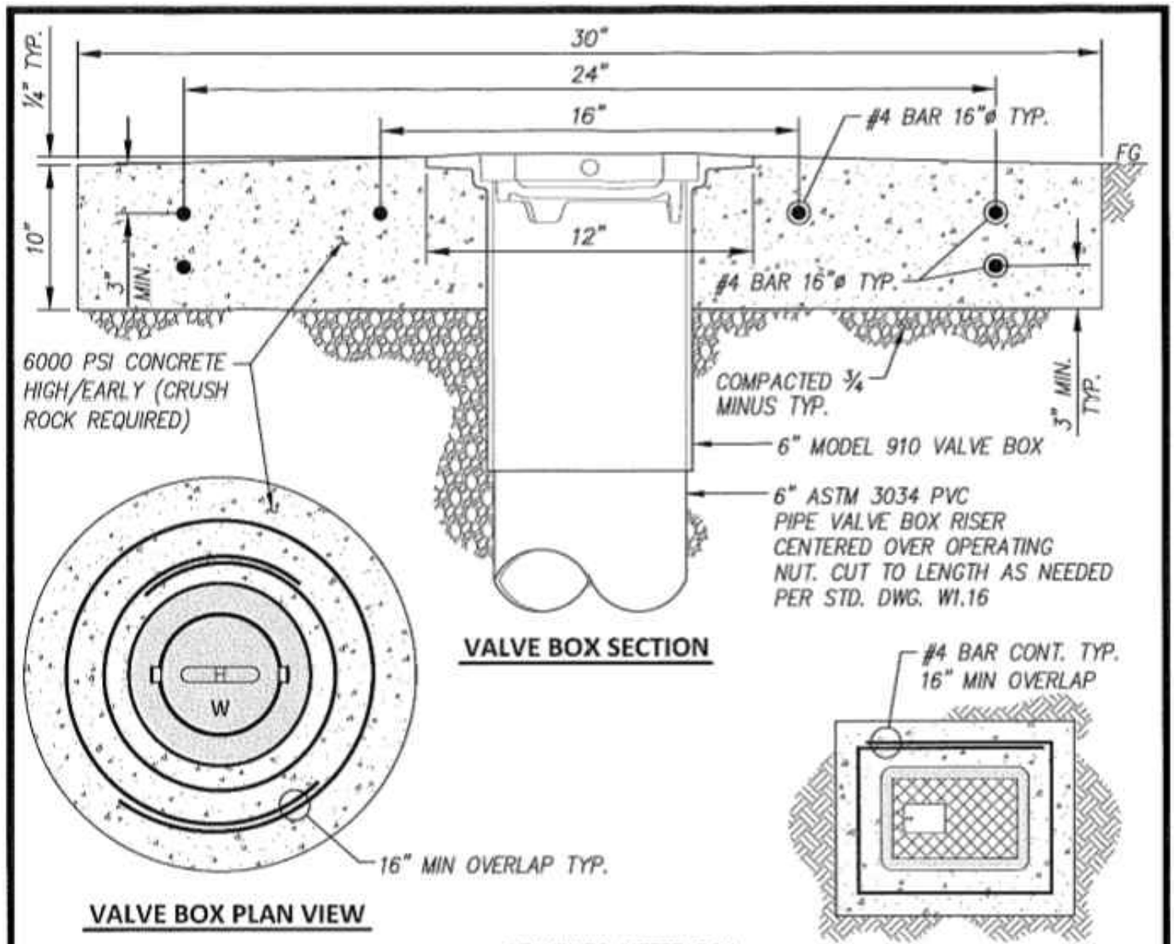
NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

TYPICAL
PIPE ZONE AND PIPE BEDDING

Jeff Paschall City Engineer 2016

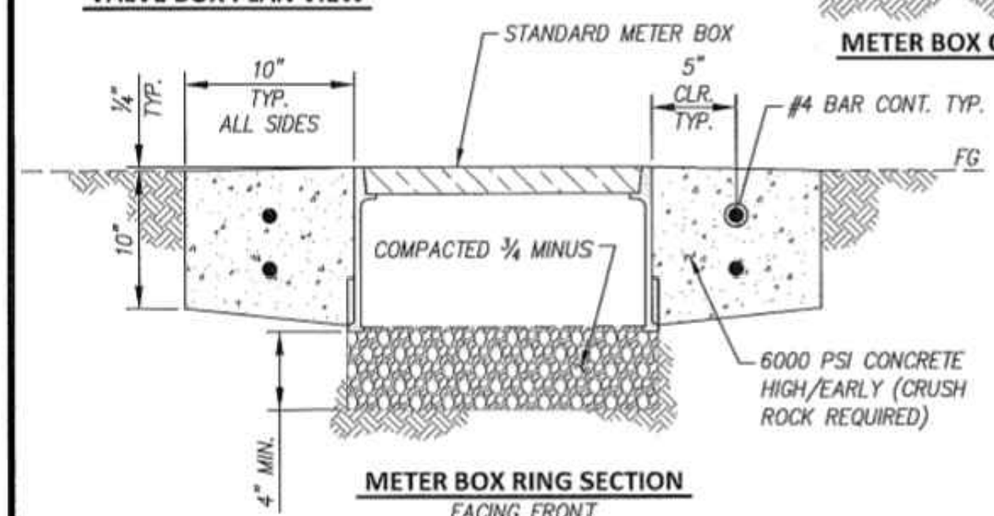
STANDARD DRAWING
4-17



VALVE BOX SECTION

VALVE BOX PLAN VIEW

METER BOX COLLAR



METER BOX RING SECTION
FACING FRONT

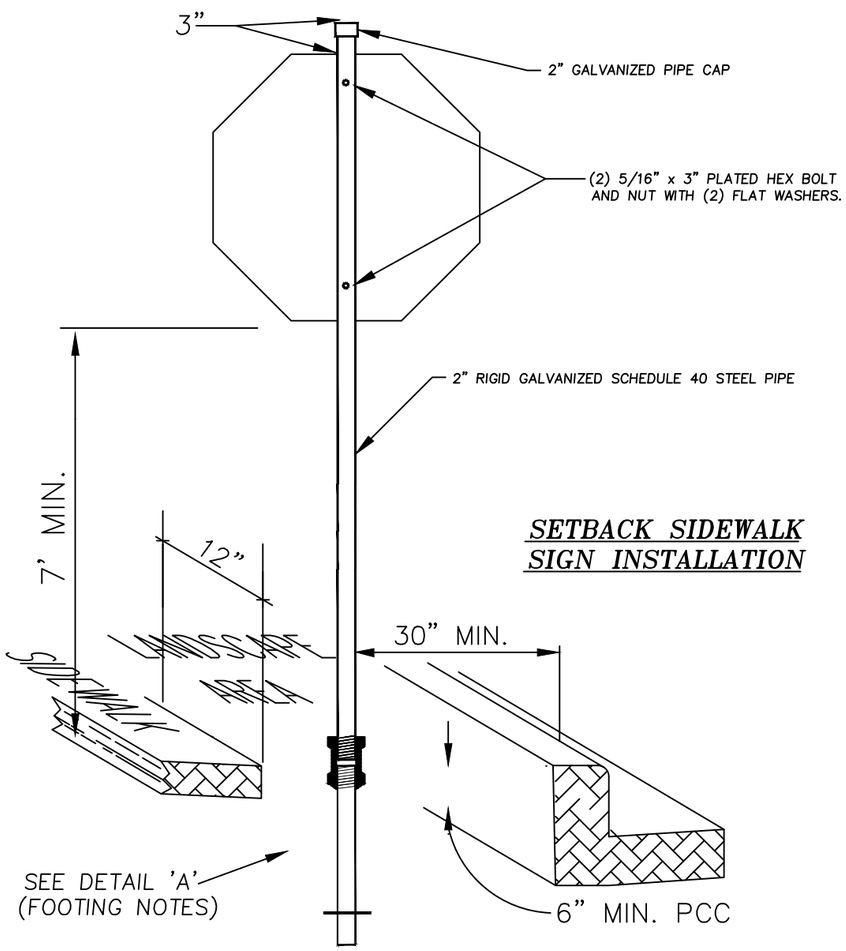
SCALE: N.T.S.
DRAWN BY: LSB
CONSTRUCTION:
ENGINEERING:

SUB
SPRINGFIELD UTILITY BOARD

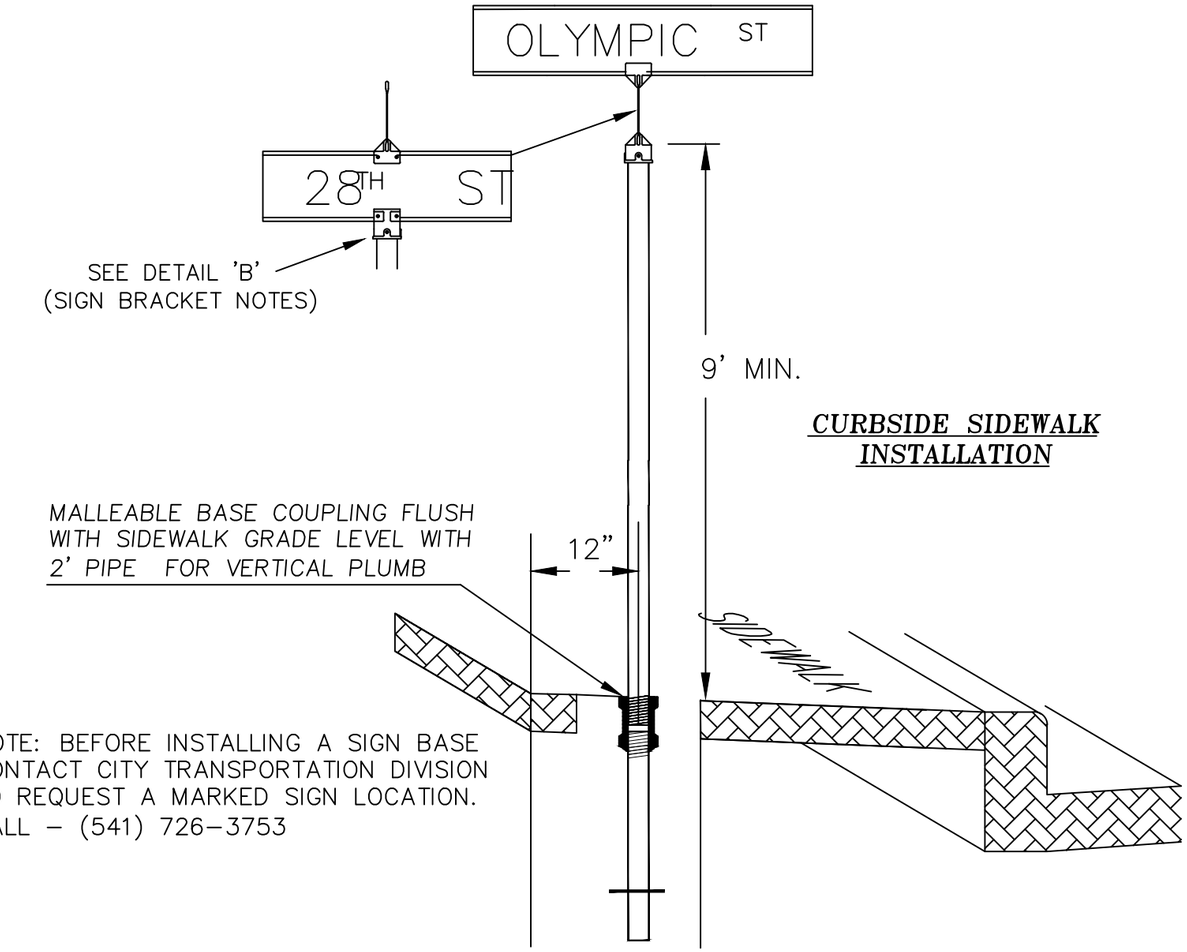
WATER DIVISION STANDARD DRAWING

VALVE LID AND METER BOX CONCRETE COLLARS

DRAWING NUMBER
W1.16.1
REVISED: 01-23-2018



SETBACK SIDEWALK SIGN INSTALLATION



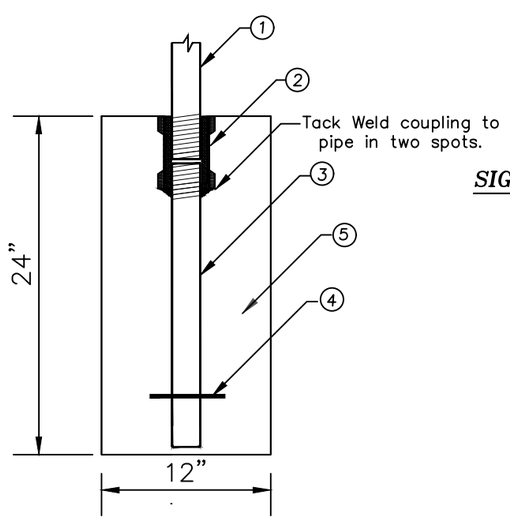
CURBSIDE SIDEWALK INSTALLATION

NOTE: BEFORE INSTALLING A SIGN BASE CONTACT CITY TRANSPORTATION DIVISION TO REQUEST A MARKED SIGN LOCATION. CALL – (541) 726–3753

DETAIL 'A'

FOOTING INSTALLATION NOTES

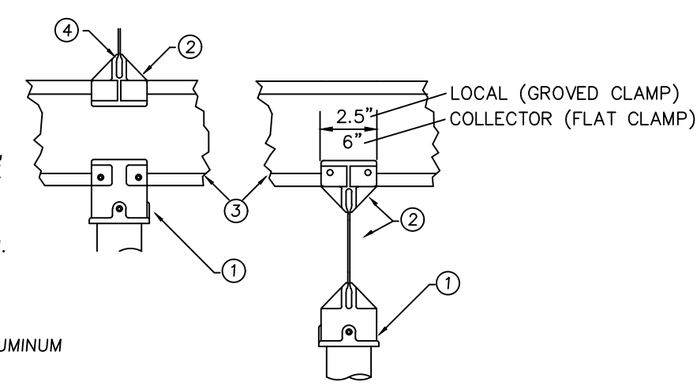
1. INSTALL 2" SCHEDULE 40 RIGID GALVANIZED STEEL PIPE.
2. INSTALL 2" THREADED, GALVANIZED, MALLEABLE IRON PIPE COUPLING, (CLASS 150) WITH TOP SET FLUSH AT FINISHED GRADE.
3. INSTALL 2" RIGID GALVANIZED STEEL PIPE TACK WELDED TO COUPLING TO PREVENT TURNING.
4. INSTALL 1/4" X 8" STEEL PIN (Spike) THROUGH STEEL PIPE
5. INSTALL SIGN BASE ASSEMBLY IN CLASS 3300 PORTLAND CONCRETE USING 2' MIN. GUIDE ROD TO INSURE SIGN POST WILL BE VERTICAL.



DETAIL 'B'

SIGN MOUNTING BRACKET NOTES

1. INSTALL STREET SIGN CAP MOUNT FOR STREET NAME SIGN.
2. INSTALL 90° TOP MOUNT FOR STREET NAME SIGN.
3. INSTALL EXTRUDED or FLAT ALUMINUM STREET NAME SIGN.
4. MOUNTING BRACKETS FOR LOCAL SIGNS SHALL HAVE A GROVED CLAMP TO FIT EXTRUDED SIGNS. MOUNTING BRACKETS FOR COLLECTOR SIGNS SHALL HAVE A FLAT CLAMP TO FIT FLAT SIGNS



NOTE: DRAWING NOT TO SCALE

ALL EYEBOLTS, BOLTS, NUTS, AND WASHERS SHALL BE GALV. STEEL UNLESS NOTED OTHERWISE, ALL SET SCREWS SHALL BE MIN. DIA. 1/4" STAINLESS STEEL WITH SQUARE OR HEX HEADS. ALL SPANWIRE HANGERS AND PLUMBIZERS SHALL BE CAST BRONZE.

NO	REVISION	DATE	BY	APPR.
1	STD. DWG. 5-18	4/94	DRB	
2	SIGN STANDARDS	12/96	DRB	
3	STD. DWG. UPDATE	7/01	D.D.	B.B.
4	STD. DWG. UPDATE	5/11	DRB	B.B.
5	STD. DWG. UPDATE	8/11	DRB	B.B.

	BY	DATE
DRAWN:	M. ABARCA	5/93
DESIGNED:		
CHECKED:		
APPROVED:		
FILENAME:	TSD5_18	

CITY OF SPRINGFIELD
DEPT. OF PUBLIC WORKS
TRANSPORTATION DIVISION
225 FIFTH STREET
SPRINGFIELD, OR. 97477
(541) 726-3753

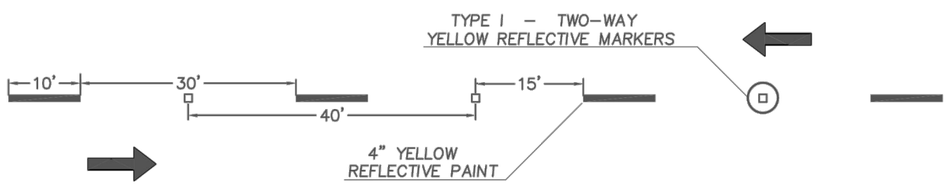
SPRINGFIELD TRANSPORTATION DIVISION

ROADSIDE SIGN INSTALLATION DETAIL

STANDARD DRAWING

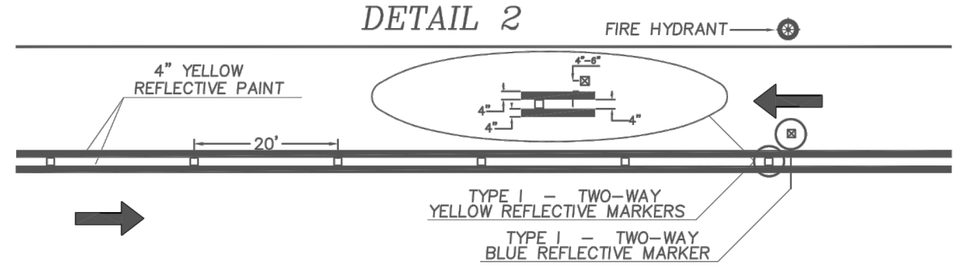
5–18

DETAIL 1



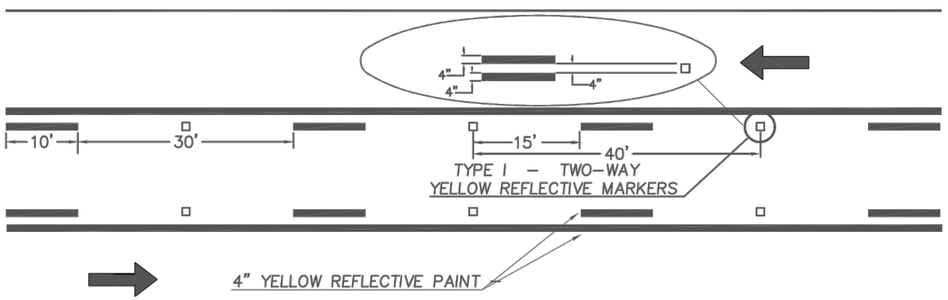
TWO-WAY SKIP STRIPE

DETAIL 2



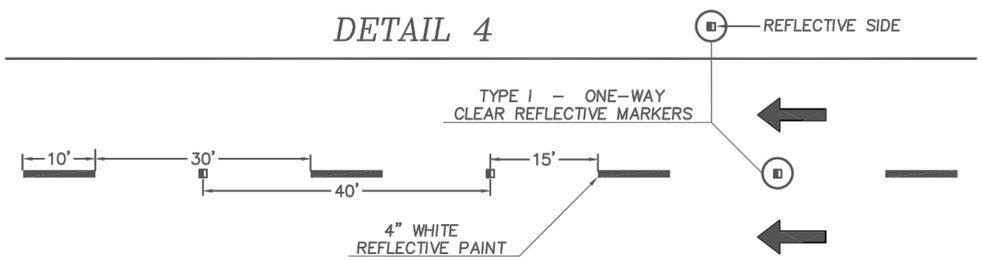
TWO-WAY DOUBLE SOLID

DETAIL 3



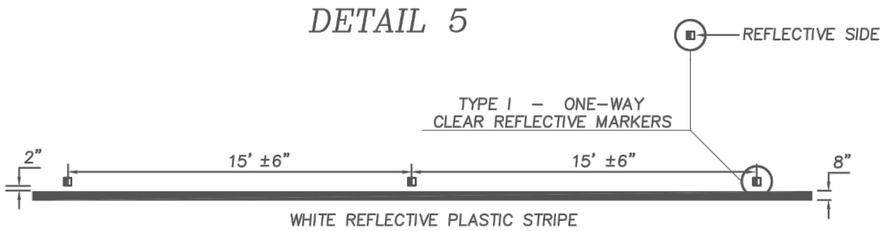
TWO-WAY CENTER TURN LANE

DETAIL 4

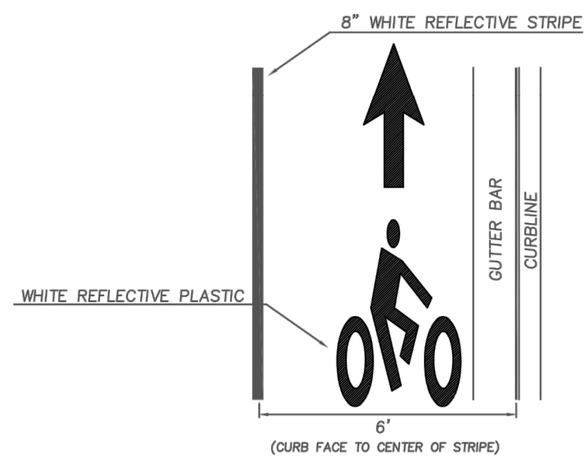


ONE-WAY SKIP STRIPE (MULTIPLE LANES)

DETAIL 5



DETAIL 6



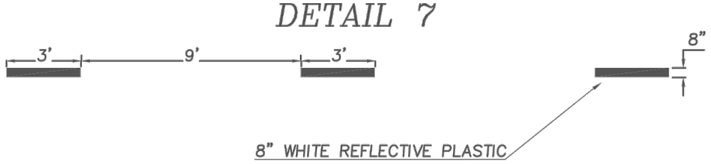
TYPE I – TWO-WAY YELLOW REFLECTIVE MARKERS

TYPE I – TWO-WAY BLUE REFLECTIVE MARKERS

TYPE I – ONE-WAY CLEAR REFLECTIVE MARKERS

– DIRECTION OF TRAVEL

DETAIL 7



BICYCLE SKIP LINE

* NOTE: ALL LONGITUDINAL MARKINGS SHALL BE WITHIN A SIX INCH (6") TOLERANCE.
ALL LATERAL MARKINGS SHALL BE WITHIN A TWO INCH (2") TOLERANCE.

NO	REVISION	DATE	BY	APPR.
1	STD. DWG. 5-21	4/94		
2	DWG. UPDATE	5/01	D.B.	B.F.B.

	BY	DATE
DRAWN:	DRB	10/93
DESIGNED:		
CHECKED:		
APPROVED:		
FILENAME:	TSD5_21	

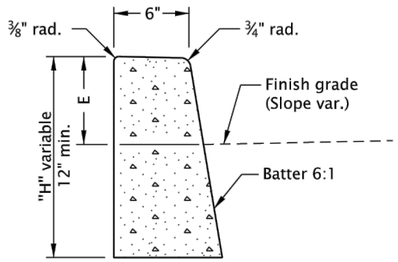
CITY OF SPRINGFIELD
DEPT. OF PUBLIC WORKS
TRANSPORTATION DIVISION
225 FIFTH STREET
SPRINGFIELD, OR. 97477
(541) 726-3753

SPRINGFIELD TRANSPORTATION DIVISION

ROADWAY PAVEMENT STRIPING DETAILS

STANDARD DRAWING

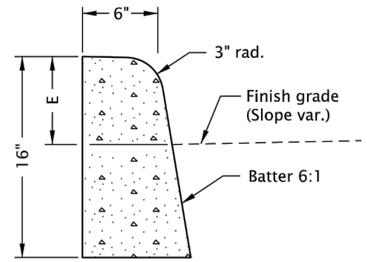
5-21



O.D.O.T. & City of Portland Standard "H"=16"

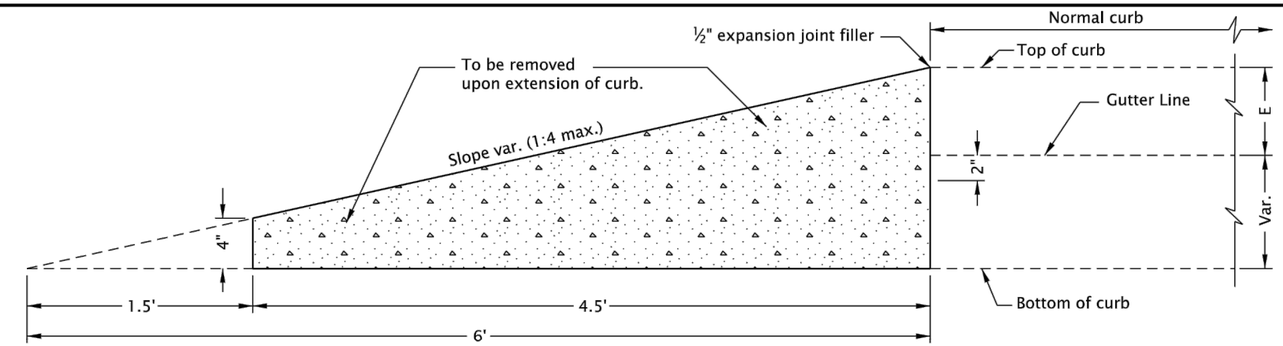
STANDARD CURB

(See general note 11)

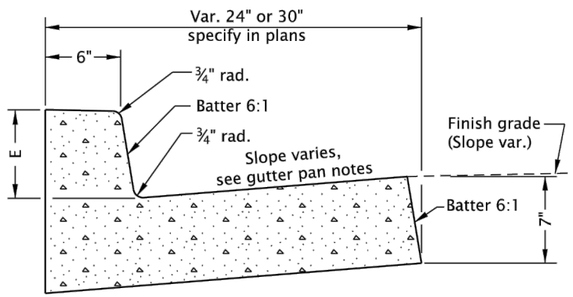


MOUNTABLE CURB

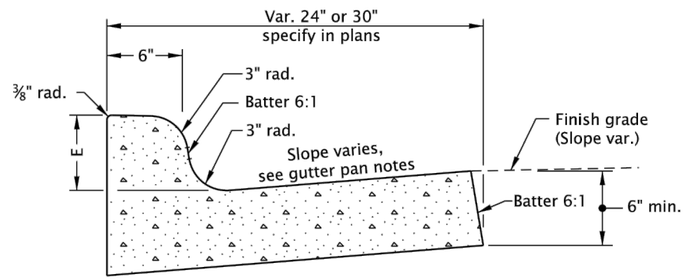
(See general note 11)



CURB ENDING DETAIL



CURB AND GUTTER



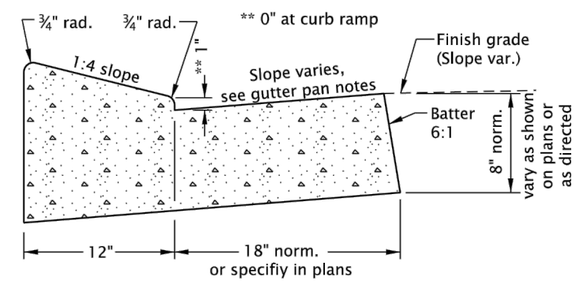
MOUNTABLE CURB AND GUTTER

GUTTER PAN NOTES:

Slope 5.0% normal.

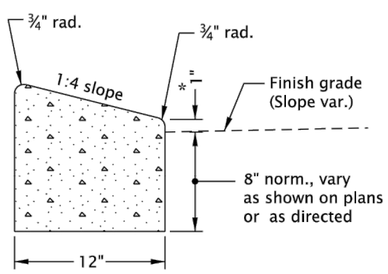
Slope 4.0% max. at curb ramps.

Vary slope as reqd. for drainage. Vary where shown on plans, and allowed by jurisdiction.



LOW PROFILE MOUNTABLE CURB AND GUTTER

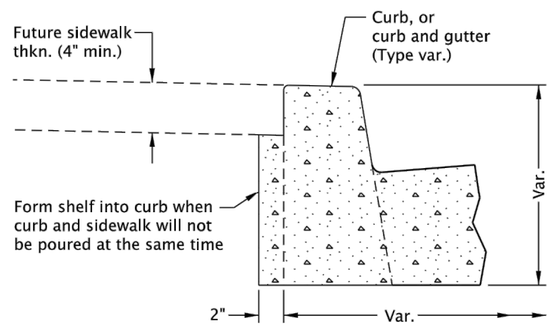
(Where shown on plans)



* 0" for Truck Apron

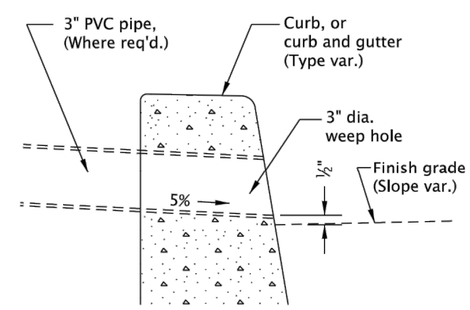
LOW PROFILE MOUNTABLE CURB

(See general note 11)



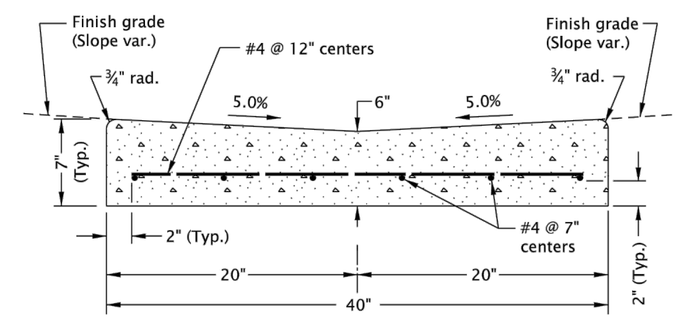
MODIFICATION FOR KEYWAY

(Where shown on plans)



WEEP HOLE DETAIL

(Where shown on plans, and allowed by jurisdiction)



VALLEY GUTTER

CALC. BOOK NO. N/A

BASELINE REPORT DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb exposure "E" = 6" to 9", as measured vertically from flowline to highest point on curb. Vary as shown on plans or as directed. O.D.O.T standard "E"=7".
2. Const. curb expansion joints at 200' maximum spacing, and at points of tangency, and at ends of each driveways.
3. Const. curb contraction joints at 15' maximum spacing, and at ends of each inlet and curb ramp.
4. Transitions shall be used to connect curbs of different exposures "E". ("E" Is the total vertical dimension of those curb surfaces having a slope of 1:1 or steeper). Minimum desirable transition length shall be 20' for each 1" difference in "E".
5. Tops of all curbs shall slope toward the roadway at 1.5% max. (Max. 2.0% finished surface slope), unless otherwise shown, or as directed.
6. Dimensions are nominal, vary to conform with curb machine approved by the engineer.
7. Dimensions adjacent to radii are measured to the point of intersection of curb surfaces.
8. For sidewalk details, and monolithic curb & sidewalk, see Std. Dwgs. RD720 & RD721.
9. For drainage curbs, see Std. Dwg. RD701.
10. For curb ramp details, see Std. Dwg. RD755.
11. On or along state highways, curb and gutter is required at curb ramp.

OREGON STANDARD DRAWINGS

CURBS

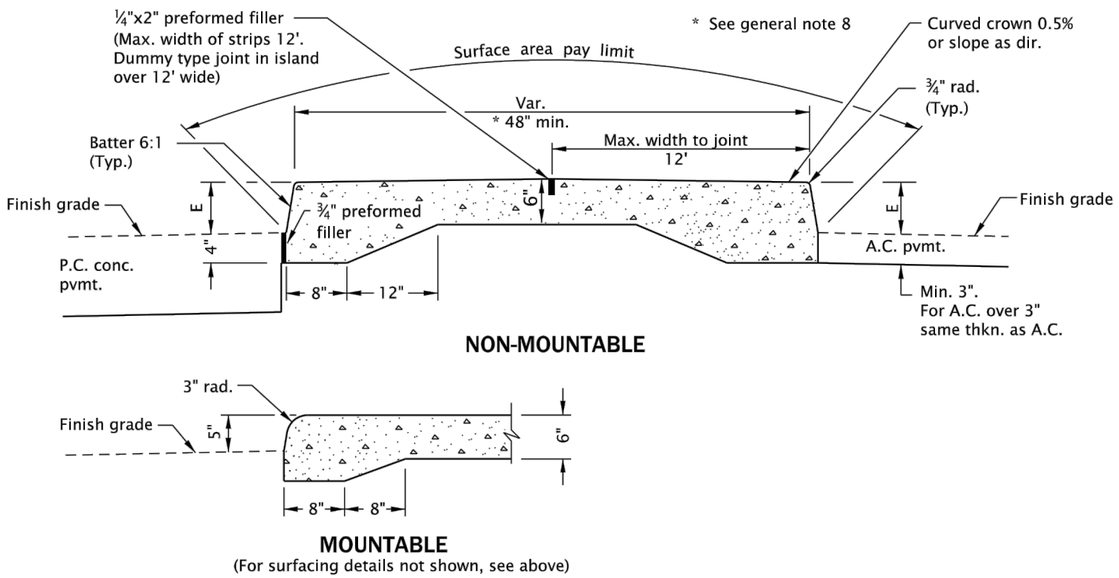
2018

DATE	REVISION DESCRIPTION
01-2018	REVISED & ADDED NOTES
05-2018	REVISED NOTE
07-2018	ADDED DETAIL & REVISED NOTES
06-2019	REVISED NOTES

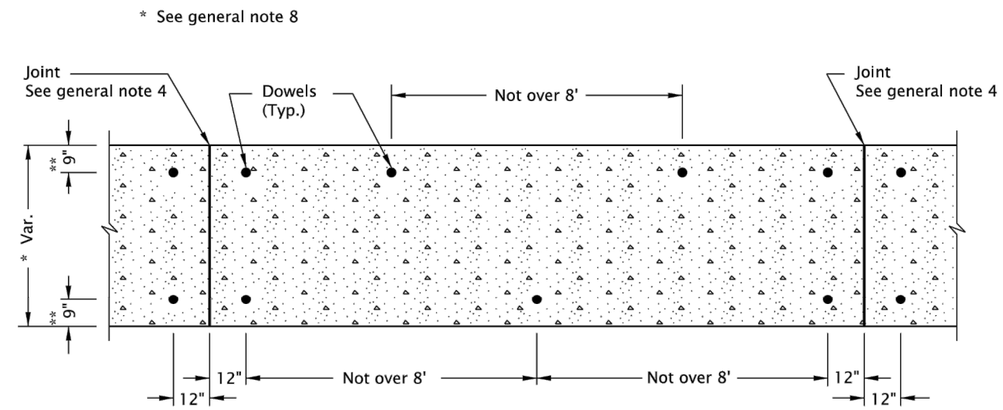
rd700.dgn 21-JUN-2019

RD700

Effective Date: December 1, 2019 - May 31, 2020

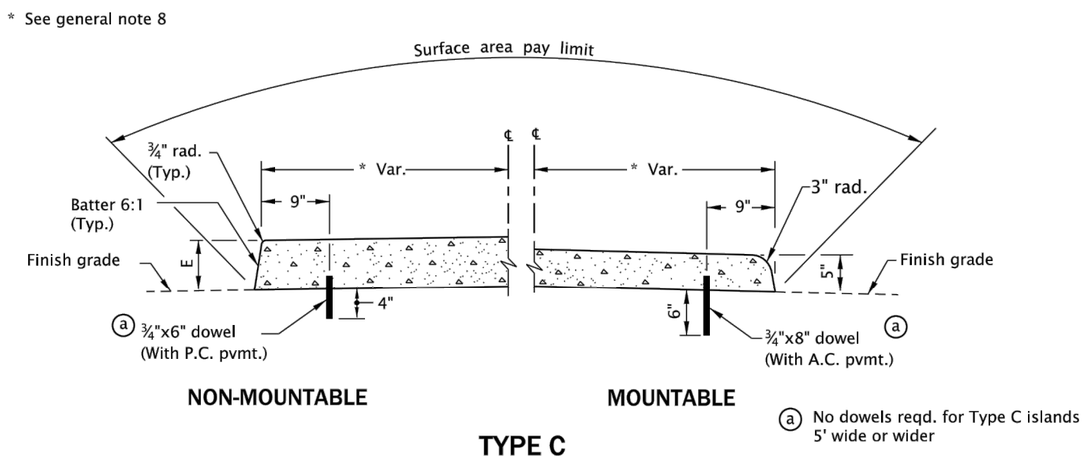


TYPE A

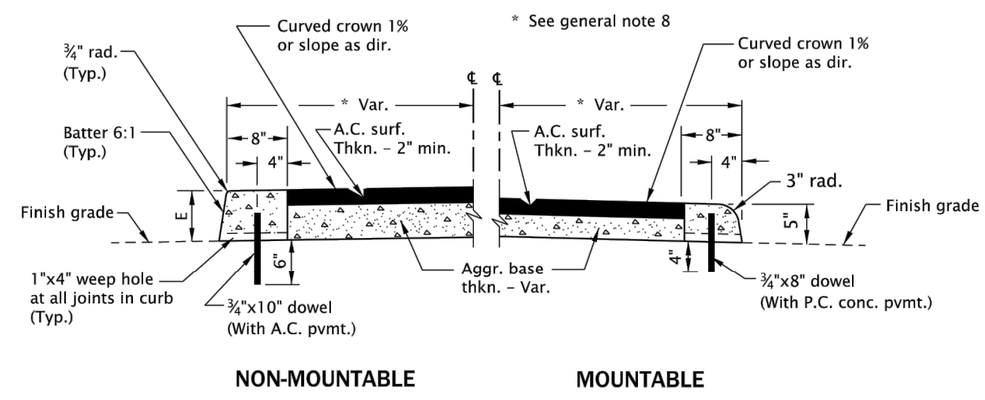


DOWEL PLAN
FOR TYPE C OR TYPE CA ISLANDS & TRANSITIONS
(ON SURFACE OF NEW OR EXISTING PAVEMENT)

** Also see below for type CA island requirement.



TYPE C



TYPE CA

GENERAL NOTES FOR ALL DETAILS:

1. Curb exposure "E" = 7" normal. Vary as shown on plans or as directed.
2. Standard batter is shown. Vary as shown on typical section or as directed.
3. Transverse joints in conc. islands to match joints in conc. pvmt. and to be of same type (Omit dowels in expansion joints).
4. Set joint spacing 200' max. for expansion and 15' max. for contraction.
5. Place preformed filler along one side of conc. islands in conc. pvmt. and around all curved ends.
6. Dowels shall be ¾" dia. with length as shown.
   In new conc. pvmt. set dowels before conc. hardens.
   In extg. conc. pvmt. drill holes 1½" dia. and grout dowels in.
   In A.C. pvmt. drive dowels.
7. For transitions to traffic separators, see Std. Dwg. RD706.
8. Minimum island width is 48". For accessible route islands, see Std. Dwg. RD710.

CALC. BOOK NO. N/A

BASELINE REPORT DATE 16-JUL-2018

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

ISLANDS

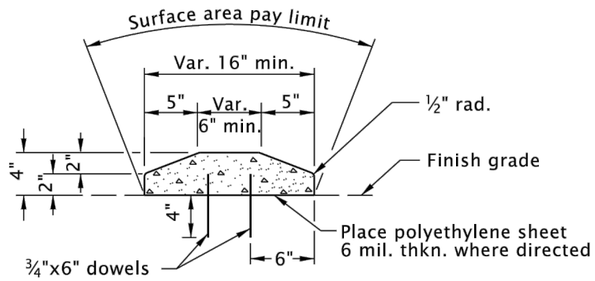
2018

DATE	REVISION DESCRIPTION
07-2018	REVISED NOTES

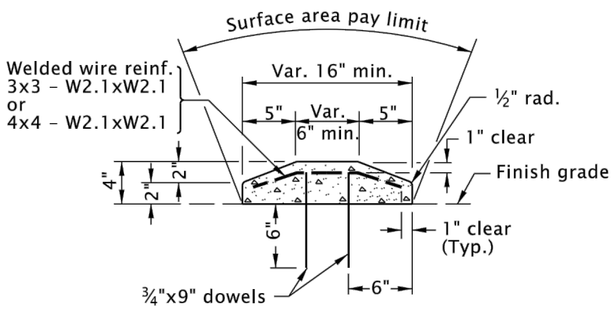
rd705.dgn 16-JUL-2018

RD705

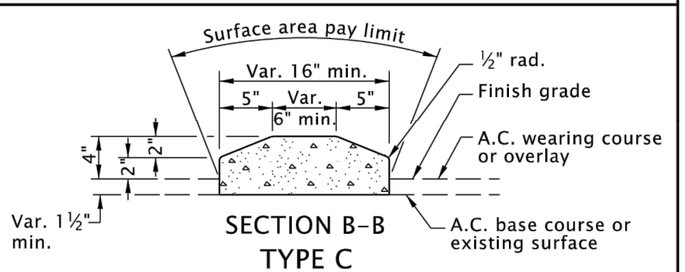
Effective Date: December 1, 2019 - May 31, 2020



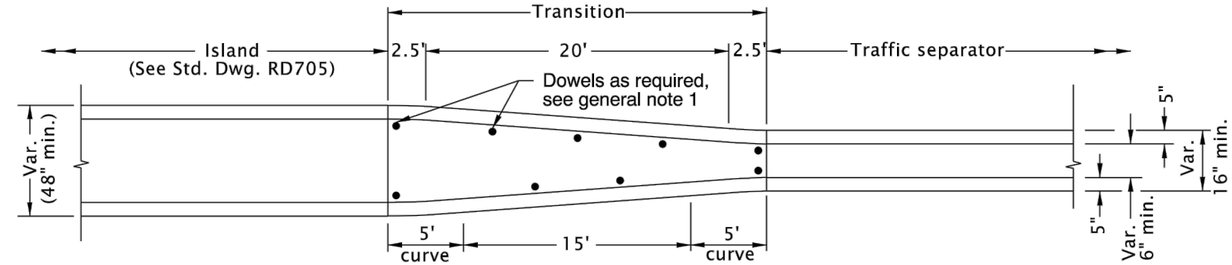
SECTION B-B
TYPE A
TRAFFIC SEPARATOR ON P.C. CONC. PVMT.



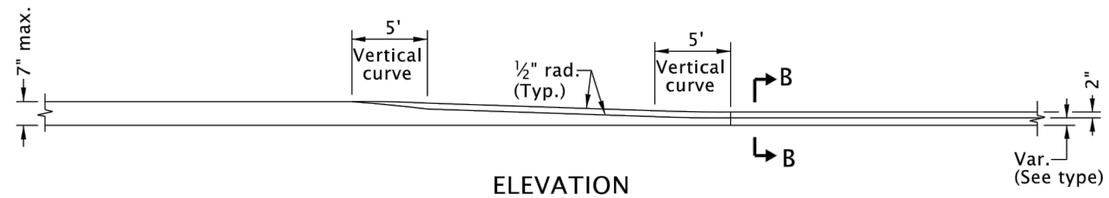
SECTION B-B
TYPE B
TRAFFIC SEPARATOR ON EXTG. A.C. PVMT.



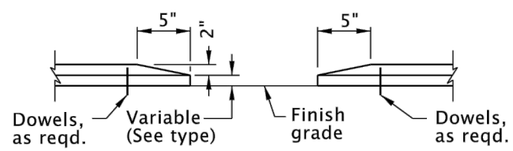
SECTION B-B
TYPE C
TRAFFIC SEPARATOR ON NEW A.C. PVMT.
OR ON EXISTING A.C. PVMT. WITH OVERLAY



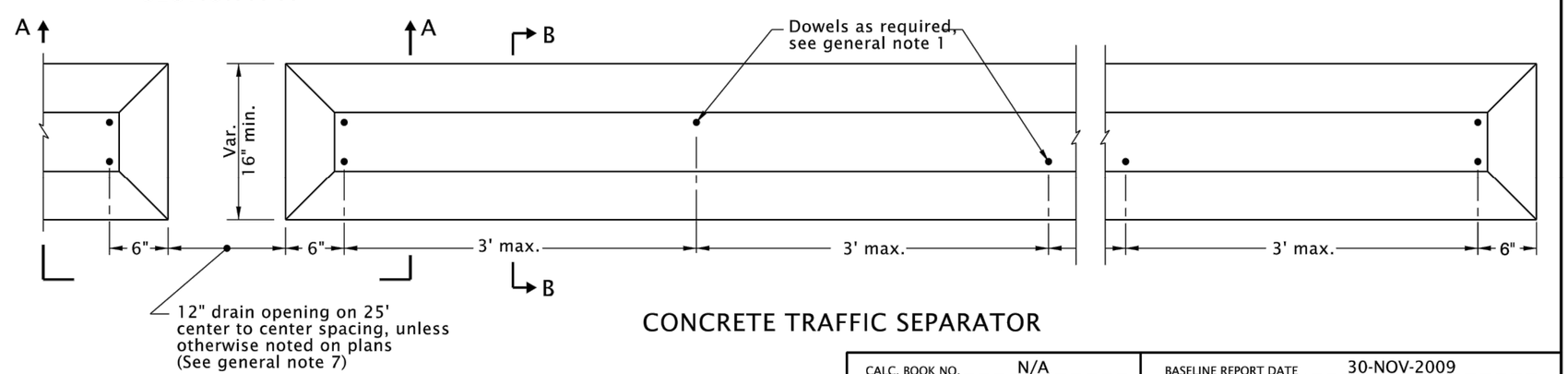
PLAN



ELEVATION
TRANSITION FROM ISLAND TO TRAFFIC SEPARATOR



SECTION A-A



CONCRETE TRAFFIC SEPARATOR

GENERAL NOTES FOR ALL DETAILS:

1. In transitions conform to dowel plan per Std. Dwg. RD705.
2. Standard slope face is shown. Vary as shown on typical section or as directed.
3. Transverse joints in conc. traffic separators and transitions to match joints in conc. pvmt. and to be of same type (Omit dowels in expansion joints).
4. Set joint spacing 200' max. for expansion and 15' max. for contraction.
5. Place preformed filler along one side of conc. transitions in conc. pvmt. and around all curved ends.
6. Dowels shall be ¾" dia. with length as shown. In new conc. pvmt. set dowels before conc. hardens. In extg. conc. pvmt. drill holes 1½" dia. and grout dowels in. In A.C. pvmt. drive dowels.
7. Site conditions normally require a project specific drain opening spacing design, which considers roadway conditions (sheet flow limits, cross slope, superelevation, profile, pavement type, lane and shoulder widths, etc.).

CALC. BOOK NO. N/A

BASELINE REPORT DATE 30-NOV-2009

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

TRAFFIC SEPARATORS AND TRANSITIONS

2018

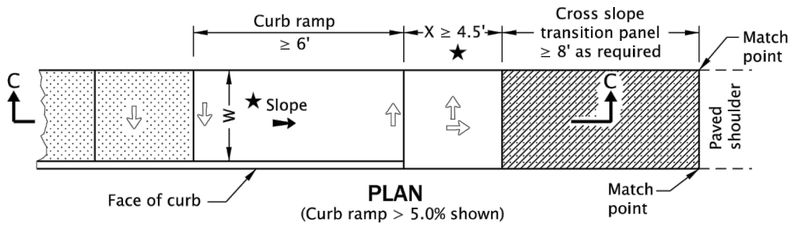
DATE	REVISION DESCRIPTION

Effective Date: December 1, 2019 - May 31, 2020

RD706

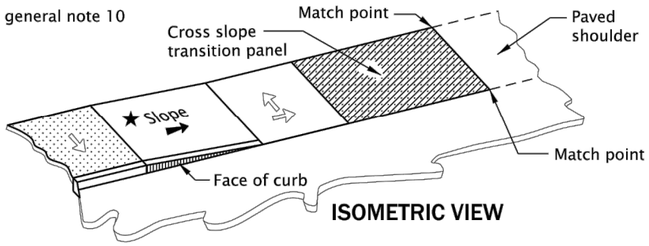
rd706.dgn 25-JUL-2017

RD706



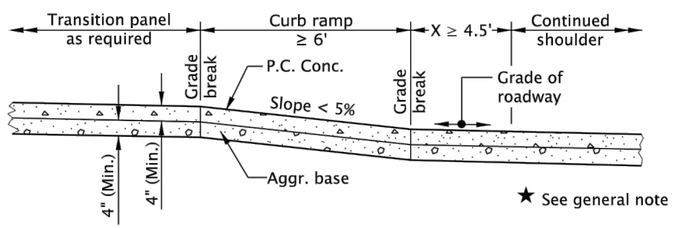
PLAN
(Curb ramp > 5.0% shown)

★ See general note 10

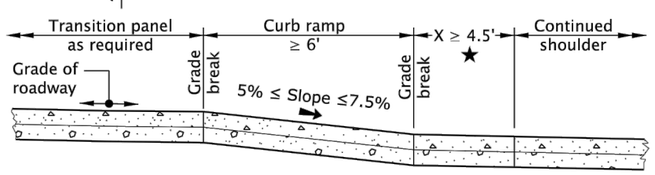


ISOMETRIC VIEW

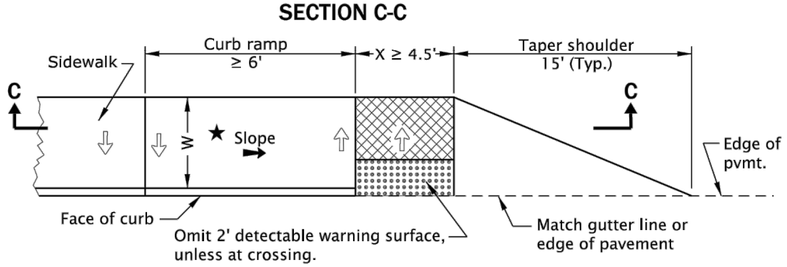
SHOULDER OPTION



★ See general note 10

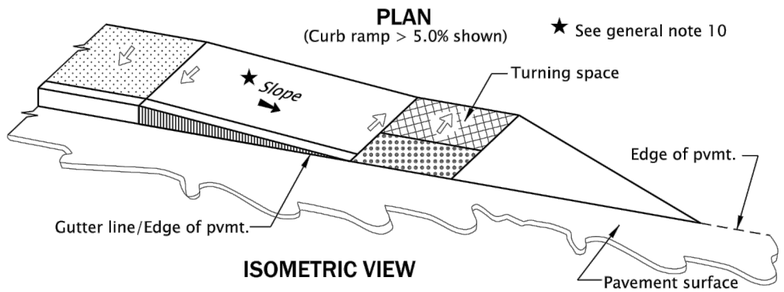


SECTION C-C



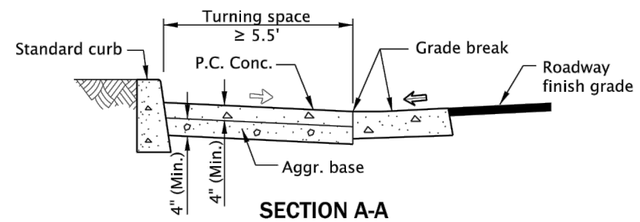
PLAN
(Curb ramp > 5.0% shown)

★ See general note 10

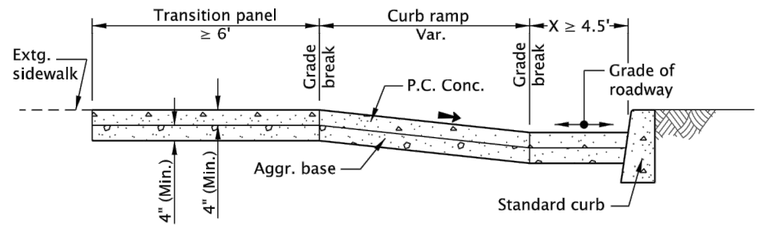


ISOMETRIC VIEW

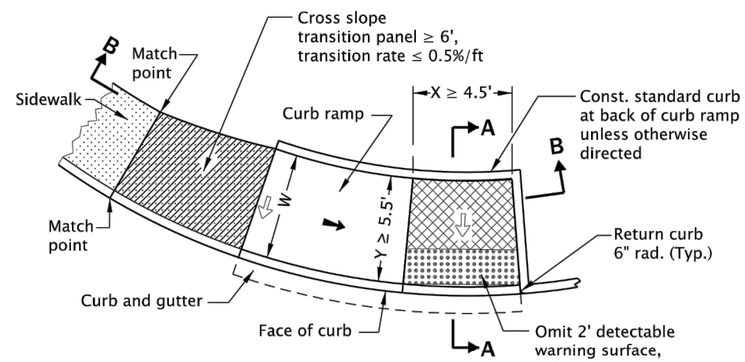
TAPER OPTION



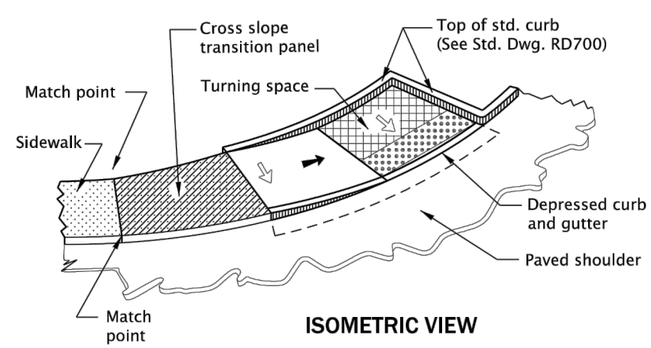
SECTION A-A



SECTION B-B



PLAN



ISOMETRIC VIEW

CURBED OPTION

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb ramp details are based on ODOT applicable Standards.
2. See project plans for details not shown.
   See Std. Dwgs. RD700 & RD701 for curbs.
   See Std. Dwgs. RD720 & RD721 for sidewalks.
   See Std. Dwgs. TM503 & TM530 for crosswalk markings, widths, etc.
   See Std. Dwg. RD755 for curb ramp details not shown.
   See Traffic Standard Drawings for signal pole and pedestrian pedestal details.
3. Tooled joints are required at all curb ramp grade break lines.
4. Curb ramp slopes shown are relative to the true level horizon (Zero bubble).
5. Check the gutter flow depth to assure that the design flood does not overtop the back of sidewalk. If overtopping occurs place an inlet at upstream side or perform other approved design mitigation.
6. When a shared use path terminates, the curb ramp shall be the full width of the path and generally use taper or shoulder option. If curbed option is used, the turning space x-dimension should be minimum 8' wide to enable bicycles to ride from ramp to shoulder.
7. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.
8. On or along state highways, curb and gutter is required at curb ramps.
9. All end of sidewalk options can be used for curved or tangent roadway sections.
10. When the slope of the curb ramp is greater than 5.0%, a min. landing space of 4.5' x 4.5' with a 1.5% max. slope (2.0% finished surface) is required at the bottom of the curb ramp. See section C-C.

LEGEND:

- Sidewalk
- Transition panel
- Turning space
  When not constrained 4.5' x 4.5' (4' x 4' min. finished surface).
  When constrained 4.5' x 5.5' (4' x 5' min. finished surface with longer dimension in direction of pedestrian street crossing). The landing area shall have a slope of 1.5% max. (Max. 2.0% finished surface slope).
- Detectable warning surface
- Slope 1.5% max.
  (Max. 2.0% finished surface slope)
  (Normal sidewalk cross slope)
- Slope 7.5% max.
  (Max. 8.3% finished surface slope)
- Counter slope
  4% max. ascending or descending, slope as required for drainage
- W — New construction sidewalk width. See contract plans for dimension.

CALC. BOOK NO. N/A

BASELINE REPORT DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

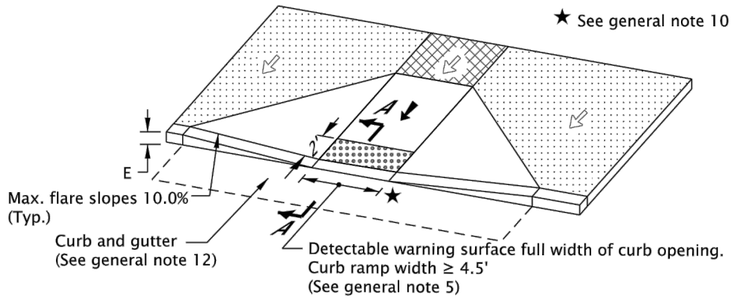
CURB RAMP AND TURNING SPACE (FOR ENDS OF SIDEWALKS)

2018

DATE	REVISION DESCRIPTION
01-2018	ADDED TAPER OPTION DETAIL, REVISED DETAIL, REVISED & ADDED NOTES
03-2018	ADDED SHOULDER OPTION DETAIL, REVISED DETAILS & NOTES
07-2018	REVISED DETAILS & NOTES
01-2019	REVISED DETAILS & NOTES
06-2019	REVISED DETAILS & NOTES

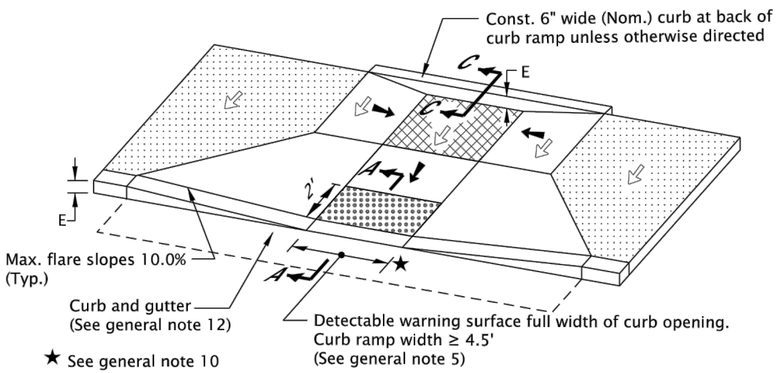
rd754.dgn 21-JUN-2019

RD754

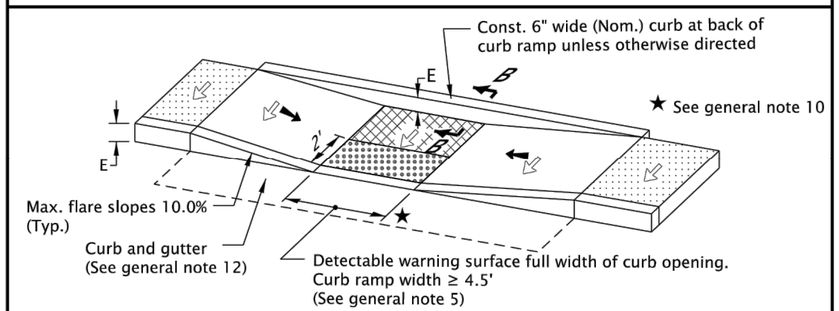


PERPENDICULAR CURB RAMP DETAIL

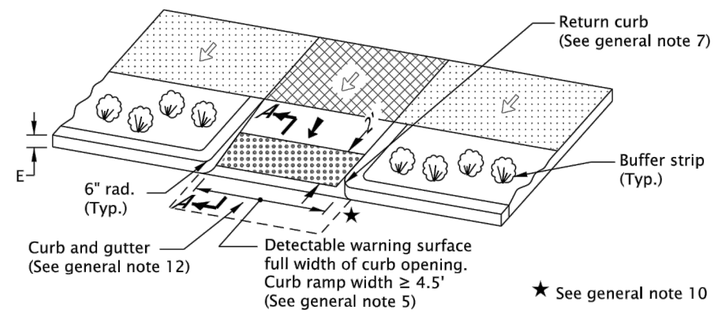
(Use "Parallel Curb Ramp Detail" or "Combination Curb Ramp Detail" when reqd. turning space cannot be obtained)



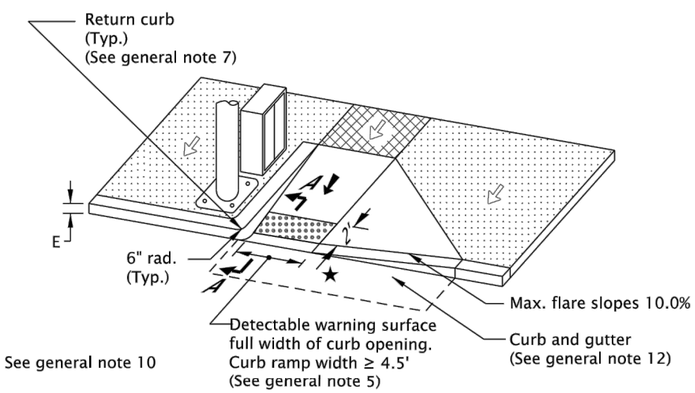
COMBINATION CURB RAMP DETAIL



PARALLEL CURB RAMP DETAIL

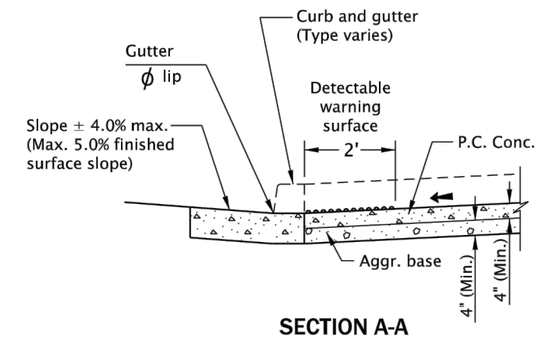


PERPENDICULAR CURB RAMP DETAIL (THROUGH BUFFER STRIP)



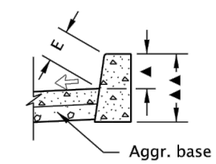
PERPENDICULAR CURB RAMP DETAIL (WITH SINGLE FLARE)

(Use "Parallel Curb Ramp Detail" or "Combination Curb Ramp Detail" when reqd. turning space cannot be obtained)

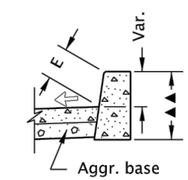


SECTION A-A

▲ Match curb exposure
▲▲ Match curb total height



SECTION B-B



SECTION C-C

LEGEND:

- Sidewalk
- Turning space
  When not constrained 4.5' x 4.5' (4' x 4' min. finished surface).
  When constrained 4.5' x 5.5' (4' x 5' min. finished surface with longer dimension in direction of pedestrian street crossing).
  For the purposes of this application, a max. 2.0% finished surface slope (for drainage) is considered level.
- Detectable warning surface
- ⇦ Slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
- ⬅ Slope 7.5% max. (Max. 8.3% finished surface slope)

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb ramp details are based on ODOT applicable standards.
2. See Std. Dwgs. RD700 & RD701 for curbs. See Std. Dwgs. RD720 & RD721 for sidewalks. See Std. Dwgs. TM503 & TM530 for crosswalk markings, widths, etc.
3. Tooled joints are required at all curb ramp grade break lines.
4. Curb ramp slopes shown are relative to the true level horizon (Zero bubble).
5. Place detectable warning surface at the back of curb for a minimum depth of 2' at curb ramp that is adjacent to traffic. For details not shown, see Std. Dwgs. RD758 & RD759.
6. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.
7. Return curb may be provided in lieu of flared slope only if protected from traverse travel by landscaping. Return curb shall not reduce width of approaching sidewalk.
8. Curb ramps for paths intersecting a roadway should be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp should be 8' wide.
9. For curb ramp placement options, see Std. Dwgs. RD756 & RD757.
10. Check the gutter flow depth at curb ramp locations to assure that the design flood does not overtop the back of sidewalk at curb ramp. Place an inlet at upstream side of curb ramp or perform other approved design mitigation.
11. Site conditions normally require a project specific design. See project plans for details not shown.
12. On or along state highways, curb and gutter is required at curb ramps.

CALC. BOOK NO. N/A

BASELINE REPORT DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

CURB RAMP DETAILS

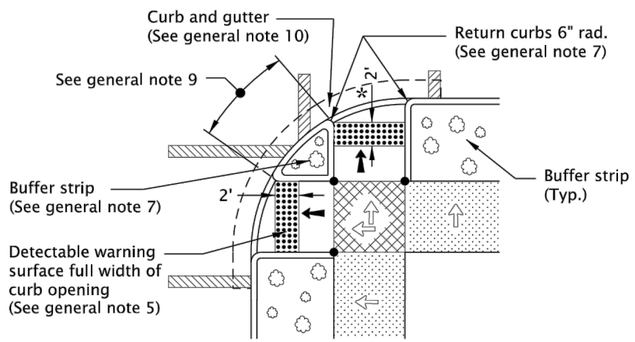
2018

DATE	REVISION DESCRIPTION
01-2018	REVISED DETAILS, REVISED & ADDED NOTES
07-2018	REVISED DETAILS, REVISED & ADDED NOTES
01-2019	REVISED DETAIL & ADDED DIAGRAM
06-2019	REVISED DETAILS & NOTES

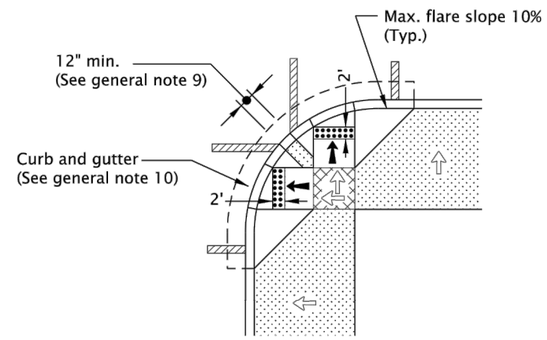
rd755.dgn 21-JUN-2019

RD755

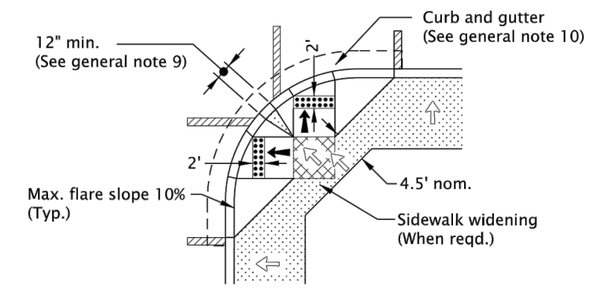
Effective Date: December 1, 2019 - May 31, 2020



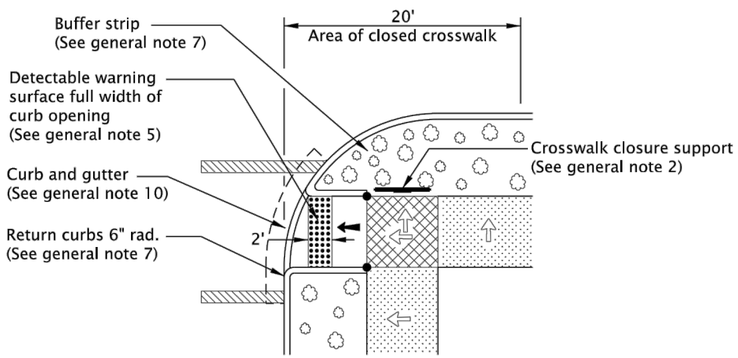
CURB RAMPS WITH LANDSCAPED BUFFER STRIP



CURB RAMPS FOR WIDE SIDEWALKS

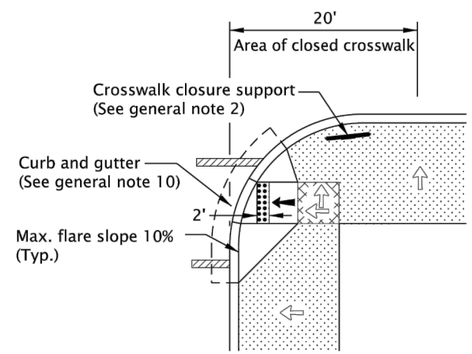


CURB RAMPS FOR NARROW SIDEWALKS



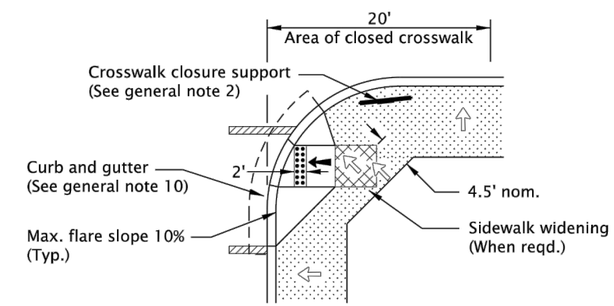
CURB RAMPS WITH CROSSWALK CLOSURE

OPTION "A"



CURB RAMPS WITH CROSSWALK CLOSURE

OPTION "B"



CURB RAMPS WITH CROSSWALK CLOSURE

OPTION "C"

LEGEND:

- Marked or intended crossing location
- Sidewalk
- Detectable warning surface
- Turning space
  When not constrained 4.5' x 4.5' (4' x 4' min. finished surface).
  When constrained 4.5' x 5.5' (4' x 5' min. finished surface with longer dimension in direction of pedestrian street crossing).
  For the purposes of this application, a max. 2.0% finished surface slope (for drainage) is considered level.
- Slope 1.5% max.
  (Max. 2.0% finished surface slope)
  (Normal sidewalk cross slope)
- Slope 7.5% max.
  (Max. 8.3% finished surface slope)
- Zero curb exposure

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb ramp details are based on ODOT applicable standards.
2. See project plans for details not shown.
   See Std. Dwgs. RD700 & RD701 for curbs.
   See Std. Dwgs. RD720 & RD721 for sidewalks.
   See Std. Dwgs. TM503 & TM530 for crosswalk marking, widths, etc.
   See Std. Dwg. RD755 for curb ramp details.
   See Std. Dwg. TM240 for crosswalk closure detail.
   See Traffic Standard Drawings for signal pole and pedestrian pedestal details.
3. Tooled joints are required at all curb ramp grade break lines.
4. Curb ramp slopes shown are relative to the true level horizon (Zero bubble).
5. Place detectable warning surface at the back of curb for a minimum depth of 2' at curb ramp that is adjacent to traffic. For details not shown, see Std. Dwgs. RD758 & RD759.
6. Check the gutter flow depth to assure that the design flood does not overtop the back of sidewalk. Place an inlet at upstream side or perform other approved design mitigation.
7. Return curb may be provided in lieu of flared slope only if protected from traverse travel by landscaping. Return curb shall not reduce width of approaching sidewalk.
8. Curb ramps for paths intersecting a roadway should be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp should be 8' wide.
9. When 2 curb ramps are immediately adjacent as in Options B & C, the curb exposure (E) between the adjacent side flares may range between 3" and full design exposure.
10. On or along state highways, curb and gutter is required at curb ramps.
11. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.

CALC. BOOK NO. N/A

BASELINE REPORT DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

CURB RAMP LAYOUT OPTIONS SMALL RADII

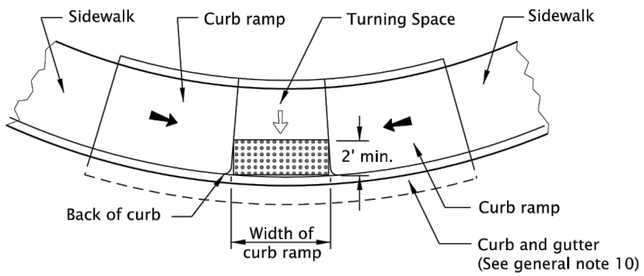
2018

DATE	REVISION DESCRIPTION
01-2018	REVISED DETAILS, REVISED & ADDED NOTES
07-2018	REVISED DETAIL & NOTES
01-2019	ADDED DIAGRAM DETAIL, REVISED DETAILS & NOTES
06-2019	REVISED DETAIL & NOTES

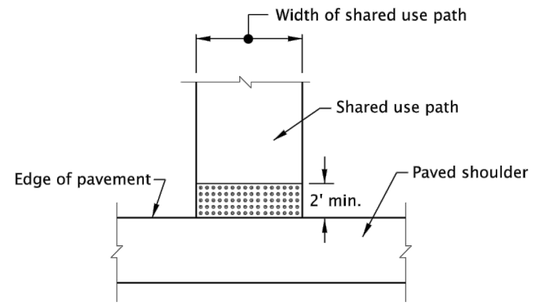
rd756.dgn 21-JUN-2019

RD756

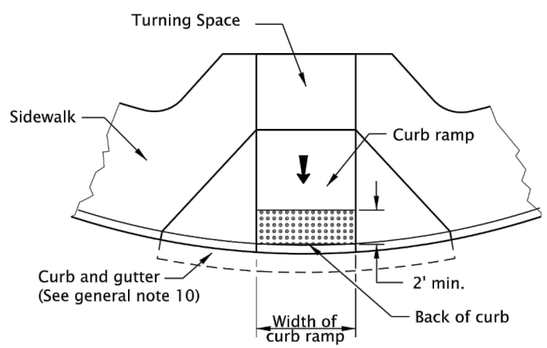
Effective Date: December 1, 2019 - May 31, 2020



PARALLEL CURB RAMP



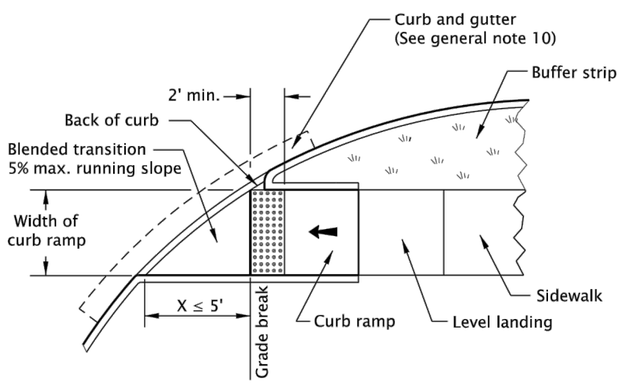
SHARED-USE PATH CONNECTION



PERPENDICULAR CURB RAMP

GRADE BREAK IN FRONT OF CURB

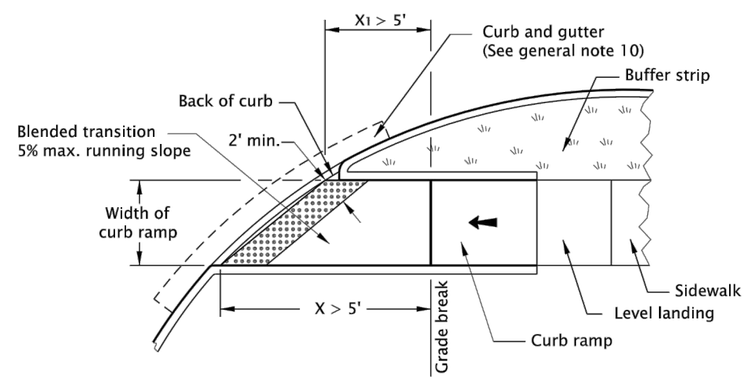
(Detectable warning surface shall be placed in the lower 2' at the back of curb ramp that is adjacent to traffic)



CURB RAMP CROSSING

GRADE BREAK ≤ 5 FT. FROM BACK OF CURB

(Detectable warning surface shall be placed on the bottom of the curb ramp directly above the grade break)



CURB RAMP CROSSING

GRADE BREAK (X or X1) > 5 FT. FROM BACK OF CURB

(Detectable warning surface shall be placed in the lower 2' at the back of curb ramp that is adjacent to traffic)

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Detectable warning surface details & locations are based on ODOT applicable Standards.
2. See project plans for details not shown.
   See Std. Dwgs. RD700 & RD701 for curbs.
   See Std. Dwg. RD720 for sidewalks.
   See Std. Dwgs. TM503 & TM530 for crosswalk markings, widths, etc.
   See Std. Dwgs. RD705 & RD710 for islands.
3. The Detectable Warning Surface shall extend the full width of the curb ramp, or other roadway entrance as applicable. A gap of up to 2 inches on each side of the Detectable warning surface is permitted (Measured at the leading corners of the detectable warning surface panel).
4. Detectable warning surface shall be placed at the back of curb for a minimum depth of 2 ft. at curb ramps that adjacent to traffic. Detectable warning surface may be radial or rectangular, but must comply with the truncated dome size and spacing standards. Detectable warning surface may be cut to meet necessary shape as shown in plans. Color to be safety yellow if no color specified in construction note. For detectable warning surface on or along state highway, alternative colors must be approved.
5. Detectable warning surface shall be used in the following locations:
   a) Curb ramps (See Std. Dwgs. RD755, RD756, & RD757).
   b) Crossing islands (Accessible Route Islands), (See Std. Dwg. RD710).
   c) Rail crossings (See Std. Dwg. RD758).
6. Where public transportation stations (rail, bus, etc.) use platform boarding, detectable warning surface shall be placed along the full edge length of the station, when not protected by platform screens or guards (See Std. Dwg. RD758).
7. Detectable warning surface shall not be used on the following locations:
   a) End of sidewalk transitions that are not at a crosswalk, (See Std. Dwg. RD754).
   b) Driveways, unless constructed with curb return, (See Std. Dwgs. RD725, RD730, RD735, RD740, RD745, & RD750).
   c) Parking lots.
8. **Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.**
9. Where no curb is present, the detectable warning surface shall be placed at the edge of the roadway.
10. On or along state highways, curb and gutter is required at curb ramps.
11. Detectable warning surface placement for perpendicular ramps vary as shown.

Detectable warning surface

Slope 1.5% max.
(Max. 2.0% finished surface slope)

Slope 7.5% max.
(Max. 8.3% finished surface slope)

CALC. BOOK NO. N/A

BASELINE REPORT DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

DETECTABLE WARNING SURFACE DETAILS & PLACEMENT LOCATIONS

2018

DATE	REVISION DESCRIPTION
07-2018	REPLACED DRAWING TITLE, REVISED DETAILS & NOTES
09-2018	REVISED DETAIL & NOTES
01-2019	REVISED DETAIL & NOTES
06-2019	REVISED DETAIL & NOTES

rd759.dgn 21-JUN-2019

RD759

Effective Date: December 1, 2019 - May 31, 2020

W

4" WHITE LINE

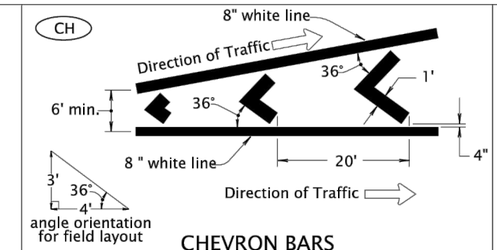
W-2

8" WHITE LINE

Y

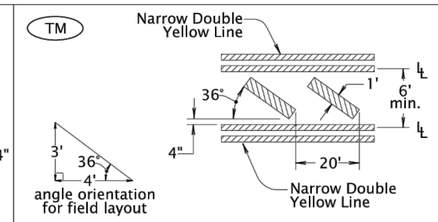
4" YELLOW LINE

CH



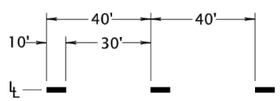
CHEVRON BARS
1' WHITE BARS AT 20' SPACING

TM



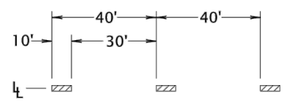
TRANSVERSE MEDIAN BARS
1' YELLOW BARS AT 20' SPACING

WB



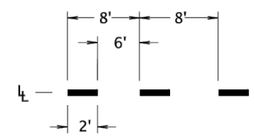
4" WHITE BROKEN LINE

YB



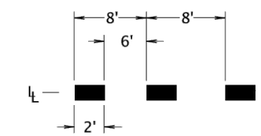
4" YELLOW BROKEN LINE

WD



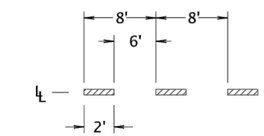
4" WHITE DOTTED LINE
For lane extensions

WD-2



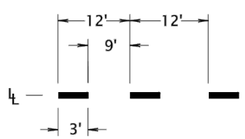
8" WHITE DOTTED LINE
For lane extensions and bike lane extensions

YD



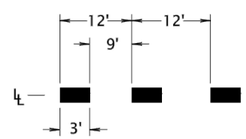
4" YELLOW DOTTED LINE
For lane extensions

DLL



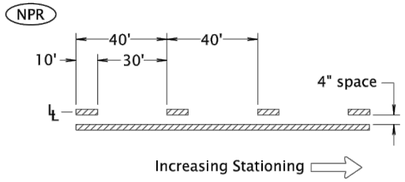
4" WHITE DOTTED LANE LINE
For lane lines in acceleration/deceleration lanes

DLL-2



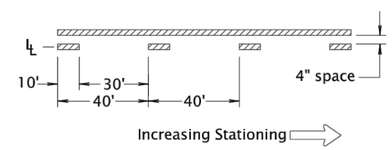
8" WHITE DOTTED LANE LINE
For lane lines in drop lanes

NPR



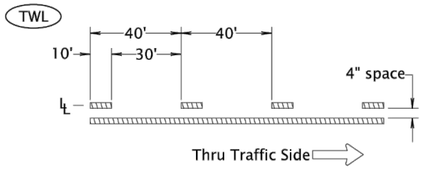
NO-PASS RIGHT
4" YELLOW LINES

NPL



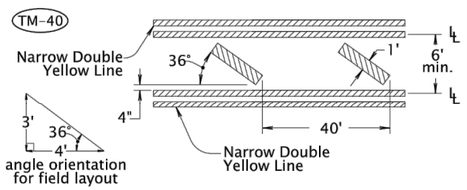
NO-PASS LEFT
4" YELLOW LINES

TWL



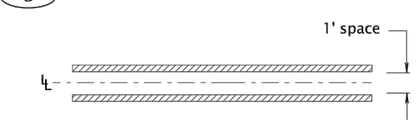
TWO-WAY LEFT TURN
4" YELLOW LINES

TM-40



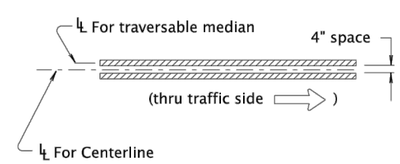
TRANSVERSE MEDIAN BARS
1' YELLOW BARS AT 40' SPACING
For use at painted medians where
distance between left turn refuges exceeds 200'

D



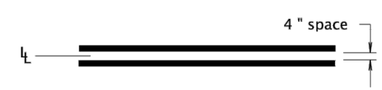
DOUBLE NO-PASS
TWO 4" YELLOW LINES

ND



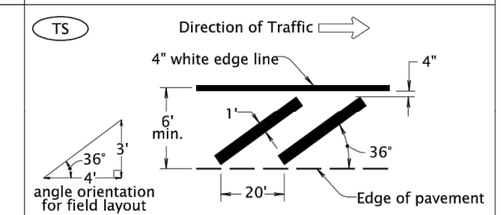
NARROW DOUBLE NO-PASS
TWO 4" YELLOW LINES

NDW



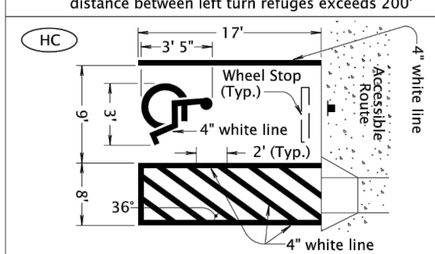
NARROW DOUBLE NO-LANE CHANGE
TWO 4" WHITE LINES

TS



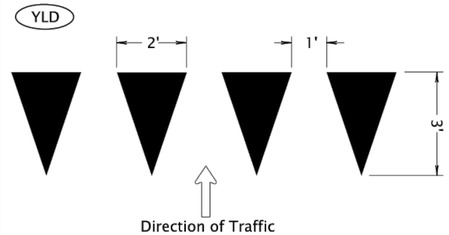
TRANSVERSE SHOULDER BARS
1' WHITE BARS AT 20' SPACING

HC



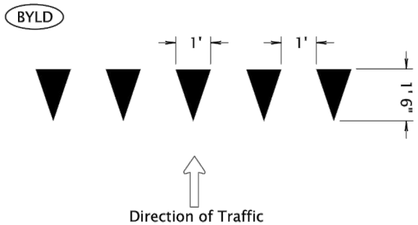
DISABLED PARKING DETAIL (white)

YLD



YIELD LINE (white)

BYLD



BICYCLE YIELD LINE (white)

LEGEND

Direction Of Traffic, Increasing Stationing
Or Thru Traffic Side

℄ — Lane line dimensions are shown on the
striping plans

CALC. BOOK NO. N/A

BASELINE REPORT DATE 07/01/2015

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

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OREGON STANDARD DRAWINGS

PAVEMENT MARKING STANDARD DETAIL BLOCKS

2018

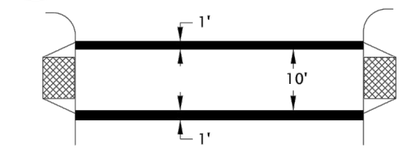
DATE	REVISION DESCRIPTION

tm500.dgn 07-10-2019

TM500

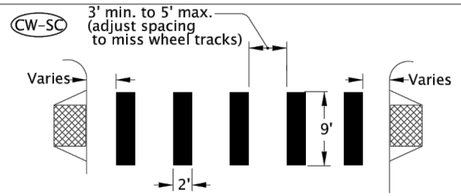
Effective Date: December 01, 2019 - May 31, 2020

CW



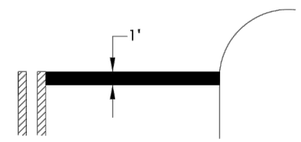
STANDARD CROSSWALK
TWO 1' WHITE BARS
Install per Standard Drawing TM530

CW-SC



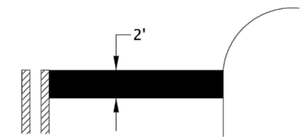
STAGGERED CONTINENTAL CROSSWALK
2' WHITE BARS
Install per Standard Drawing TM530

S



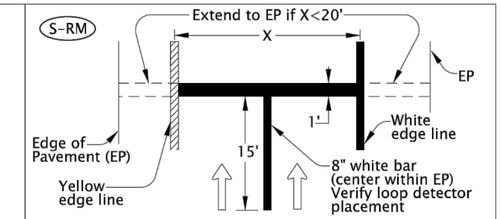
STOP BAR
1' WHITE BAR
Install per Standard Drawing TM530

S-2



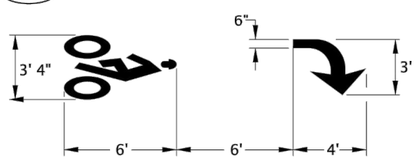
STOP BAR - LARGE
2' WHITE BAR
Install per Standard Drawing TM530

S-RM



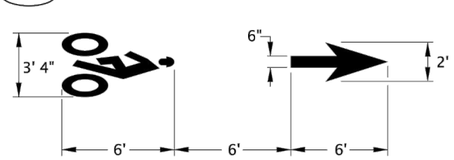
RAMP METER STOP BAR
1' & 8" WHITE BARS
For multi-lane ramp meter applications

BR



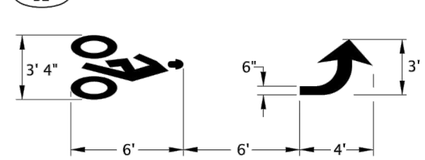
BIKE RIGHT TURN STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs

BS



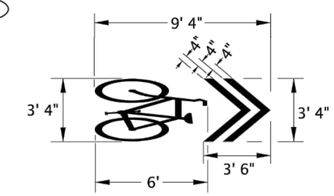
BIKE LANE STANDARD STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs

BL



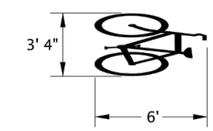
BIKE LEFT TURN STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs

SLM



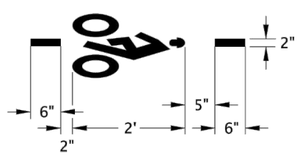
SHARED LANE MARKING (white)
Center marking within lane width or as shown
For proportion details, see current version of Standard Highway Signs

B



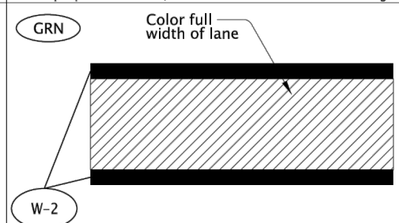
BIKE STENCIL (white)
Used for Intersection Bicycle Box applications.
See Section 414 of Traffic Line Manual

BD



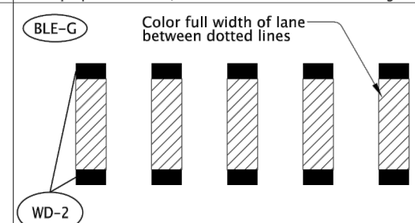
BICYCLE DETECTOR MARKING (white)
For placement location with loops, see Section 416 of Traffic Line Manual

GRN



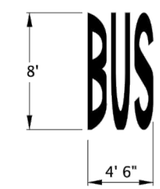
GREEN SUPPLEMENTAL BICYCLE LANE
SOLID LINE (green)

BLE-G



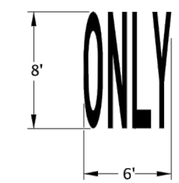
GREEN SUPPLEMENTAL BICYCLE LANE
DOTTED LINE EXTENSION (green)

BUS



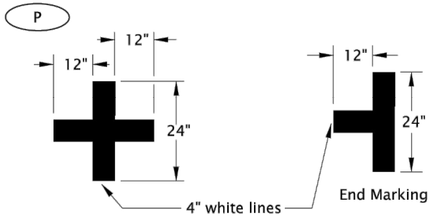
BUS (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs

ON



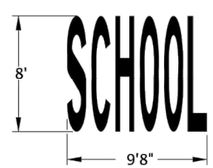
ONLY (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs

P



ON-STREET PARKING DETAIL (white)

SCH



SCHOOL (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs

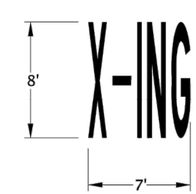
SCH-LG

SCHOOL - LARGE (white)
Center marking within width of two lanes
For letter proportion details, see current version of Standard Highway Signs

CRS-LG

CROSSING - LARGE (white)
Center marking within width of two lanes
For letter proportion details, see current version of Standard Highway Signs

XNG



X-ING (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs

General Note:

1. Arrow, letter, and bike symbol dimensions nominal.

LEGEND

Direction of Travel

CALC. BOOK NO. N/A

BASELINE REPORT DATE 07/01/2015

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

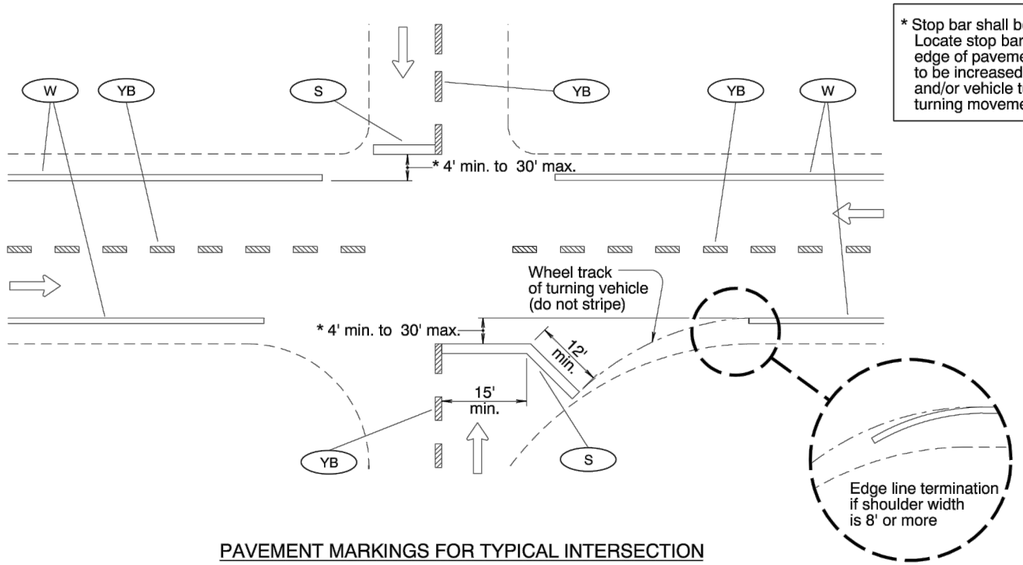
PAVEMENT MARKING STANDARD DETAIL BLOCKS

2018

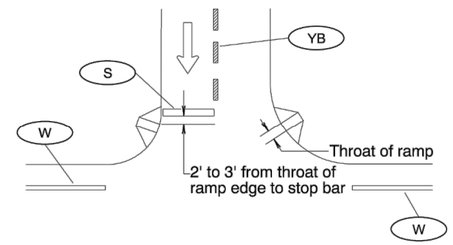
DATE	REVISION DESCRIPTION

Effective Date: December 01, 2019 - May 31, 2020

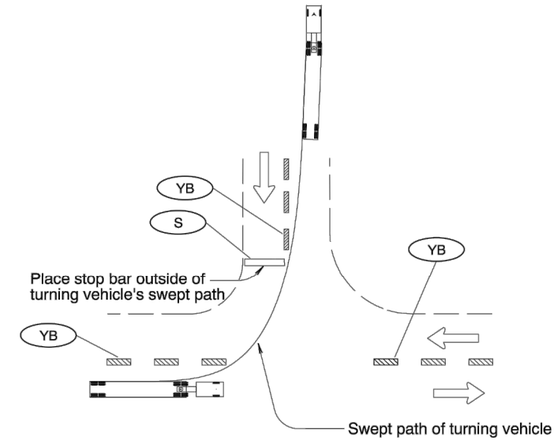
* Stop bar shall be placed as near as possible to the intersecting traveled way. Locate stop bar 4' min. to 30' max. in advance of the extended fog line, edge of pavement, or curb face. Minimum stop bar distance may need to be increased, depending on location of pedestrian ramps (see Detail "A") and/or vehicle turn radii (see Detail "B"). Field verify sight distance and truck turning movements.



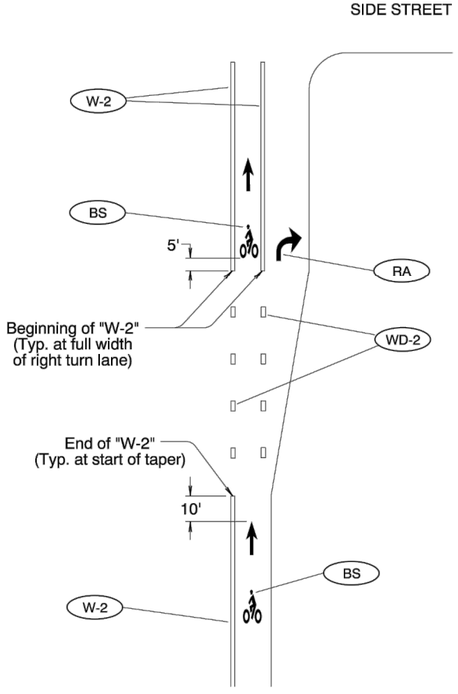
PAVEMENT MARKINGS FOR TYPICAL INTERSECTION



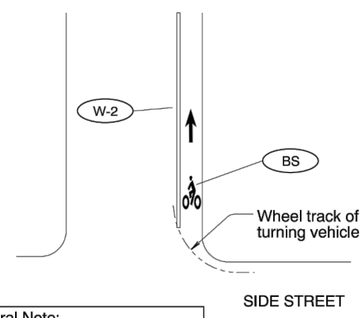
Detail "A"
STOP BAR PLACEMENT WITH RESPECT TO PEDESTRIAN RAMPS



Detail "B"
STOP BAR PLACEMENT WITH RESPECT TO TURN RADII



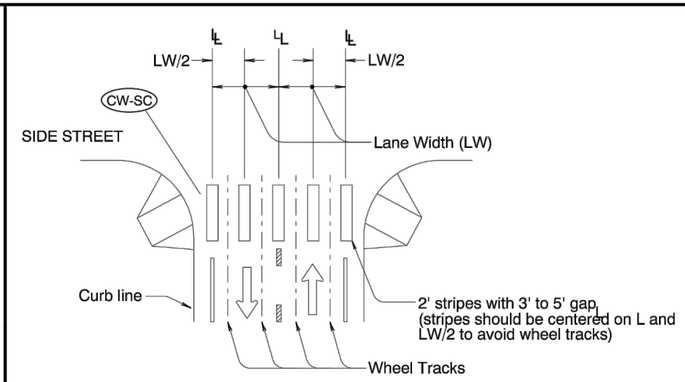
INSTALLATION OF BIKE LANE STENCILS
FOR BIKE LANE SEPARATED BY RIGHT TURN LANE



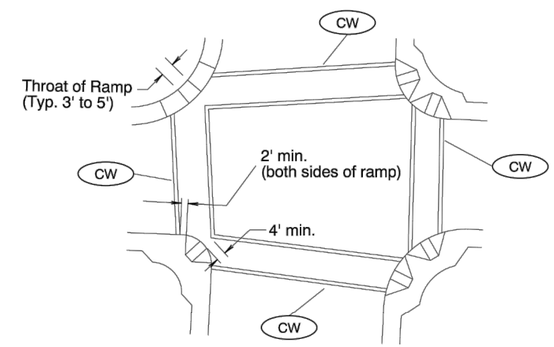
General Note:

Install bike lane stencil to avoid right turning vehicle wheel tracks.

INSTALLATION OF BIKE LANE STENCILS
FOLLOWING INTERSECTIONS



STAGGERED CONTINENTAL LAYOUT



STANDARD CROSSWALK BARS
AT INTERSECTION

To be accompanied by Standard Dwg. Nos. TM500 thru TM503

General Note:

1. Install crosswalk bars such that the throat of the ADA ramp is entirely within crosswalk markings, or 5' back of extended fog line, edge of pavement, or curb face.

LEGEND

Direction of Travel

L - Lane line dimensions are shown on the striping plans

CALC. BOOK NO. N/A

BASELINE REPORT DATE July 8, 2016

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

INTERSECTION PAVEMENT MARKINGS (CROSSWALK, STOP BAR & BIKE LANE STENCIL)

2018

DATE	REVISION DESCRIPTION