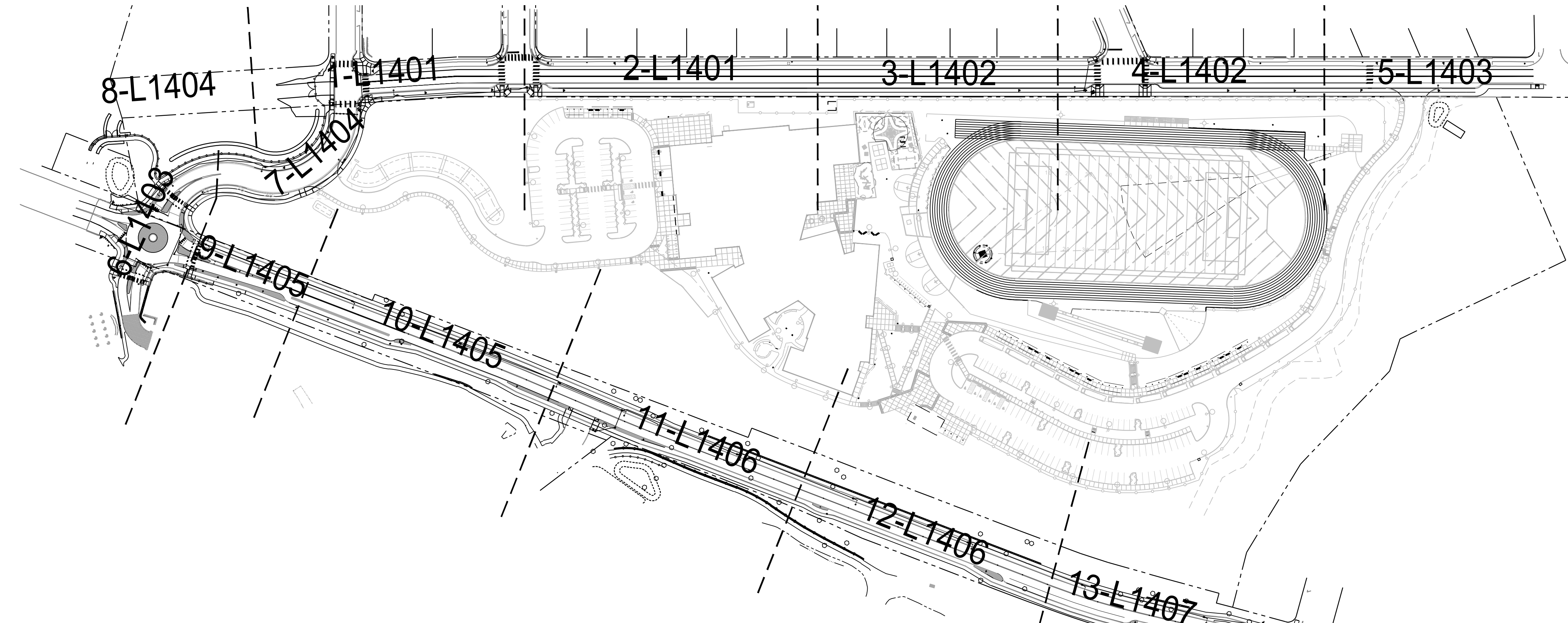
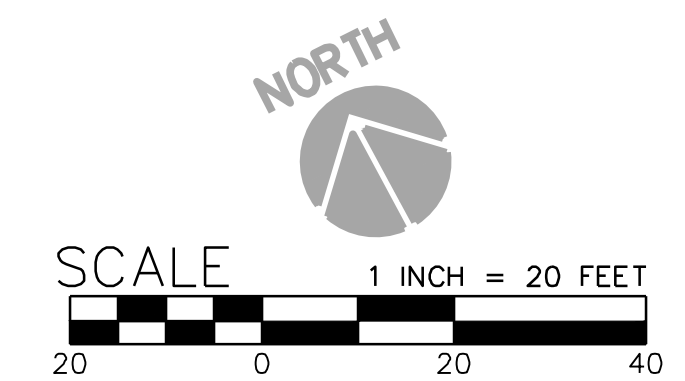


TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING/MATURE WIDTH	SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
	ACE CIR	2	ACER CIRCINATUM	VINE MAPLE	1.5" CAL.	AS SHOWN			4,053 SF	WOODLAND MIX / EROSION CONTROL MIX				
	ACE AUT	52	ACER RUBRUM 'AUTUMN FLAME'	AUTUMN FLAME RED MAPLE	2.5" CAL.	AS SHOWN			25,101 SF	EROSION CONTROL MIX				
								FES HTN FES CHN FES SHL FES COM FES TR2 TRI REP	15,870 SF	NO MOW TYPE 1 FESTUCA OVINA 'QUATRO' FESTUCA RUBRA 'CHANTILLY' FESTUCA RUBRA 'SHORELINE' FESTUCA RUBRA COMMUTATA FESTUCA TRACHYPHYLLA TRIFOLIUM REPENS	QUATRO SHEEP FESCUE CHANTILLY RED FESCUE SHORELINE RED FESCUE CHEWINGS FESCUE HARD FESCUE WHITE CLOVER	SEED SEED SEED SEED SEED SEED		2 LBS PER 1000 SF.
								CHR MAX CLA AMO ESC CAL FES HT2 FES TRA LOB MAR LOL PE2 LUP PER TRI WFT TRI RE2	18,578 SF	NO MOW TYPE 2 - FLOWERING MIX CHRYSANTHEMUM MAXIMUM CLARKIA AMOENA ESCHSCHOLZIA CALIFORNICA FESTUCA OVINA 'QUATRO' FESTUCA TRACHYPHYLLA LOBULARIA MARITIMA LOLIUM PERENNE LUPINUS PERENNIS TRIFOLIUM FRAGIFERUM TRIFOLIUM REPENS	MAX CHRYSANTHEMUM FAREWELL TO SPRING CALIFORNIA POPPY QUATRO SHEEP FESCUE HARD FESCUE SWEET ALYSSUM PERENNIAL RYEGRASS WILD LUPINE STRAWBERRY CLOVER WHITE CLOVER	SEED SEED SEED SEED SEED SEED SEED SEED		2 LBS PER 1000 SF.
								RUB PEN	648 SF	RUBUS PENTALOBUS 'EMERALD CARPET'	BRAMBLE	BULB/4" POT	18" O.C.	
								MULCH	307 CY.					



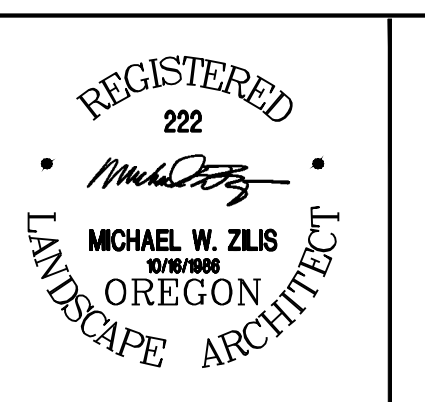
- ### PLANTING NOTES
- CONTRACTOR TO VERIFY LOCATION OF EXISTING TREES INDICATED TO REMAIN PRIOR TO SOIL PREPARATION. PROTECT ALL TREES AND SHRUBS INDICATED TO REMAIN. COORDINATE WITH THE OWNER'S REPRESENTATIVE.
 - PLANTING AREAS TO BE SUFFICIENTLY CLEANED OF ALL CONSTRUCTION MATERIALS, INCLUDING IMPORTED ROCK, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE BEFORE BEGINNING ANY LANDSCAPE WORK.
 - IDENTIFY ALL PLANTING AREAS IN FIELD WITH WHITE FIELD-MARKING CHALK OR APPROVED EQUIVALENT. PLANTING BEDS TO BE ADJUSTED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLANT LOCATION.
 - FOR PLANTING OCCURRING IN MASSES OF SAME SPECIES PLANT, LABELING REFERS TO ALL ADJACENT IDENTICAL SYMBOLS. REFER TO DETAILS AND LEGEND FOR SPACING INFORMATION.
 - THE OWNER'S REPRESENTATIVE WILL APPROVE INDIVIDUAL PLANT MATERIAL AND LOCATION OF PLANT MATERIAL PRIOR TO INSTALLATION. REFER TO SPECIFICATIONS FOR PROCEDURE.
 - SHRUBS AND GROUND COVER TO BE PLANTED A MINIMUM OF ONE HALF THEIR ON CENTER SPACING AWAY FROM PAVEMENT EDGES; UNLESS OTHERWISE NOTED.
 - PROVIDE ROOT BARRIER AROUND ALL TREES WITHIN 5' OF PAVING, CURBS WALLS, BUILDINGS, UTILITY DUCTS AND OTHER APPURTENANCES.
 - PLANT QUANTITIES INDICATED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANTS IN QUANTITIES AND LOCATIONS SHOWN ON DRAWINGS.
 - PROVIDE JUTE NETTING ON ALL SLOPES WITH GRADIENT OF 3:1 OR GREATER AS DIRECTED IN THE FIELD BY THE OWNER'S REPRESENTATIVE. STAPLE FABRIC TO GROUND WITH METAL STAKES AT 4' O.C.



APPROVED
By Erich Lais at 1:28:30 PM, 05/31/2022

File: C:\Users\wmorales\AppData\Local\Temp\AcPublish_55980\3651_03 PLANTING_OFF-SITE.dwg TAB: L1400A
Plotted: 5/24/22 11:30am By: wmorales

REVISION	DATE	DESCRIPTION



WALKER MACY
111 SW OAK, SUITE 200
PORTLAND, OR 97204
503-228-3122

kpff
111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.:	2000067
DESIGNED BY:	IH / WM
DRAWN BY:	WM
CHECKED BY:	IH
PLOT DATE:	5/24/22 11:30am
PLOTTED BY:	wmorales
DWG NAME:	P3651.03 PLANTING_OFF-SITE.dwg
TAB NAME:	L1400A

West Linn, OR 97068

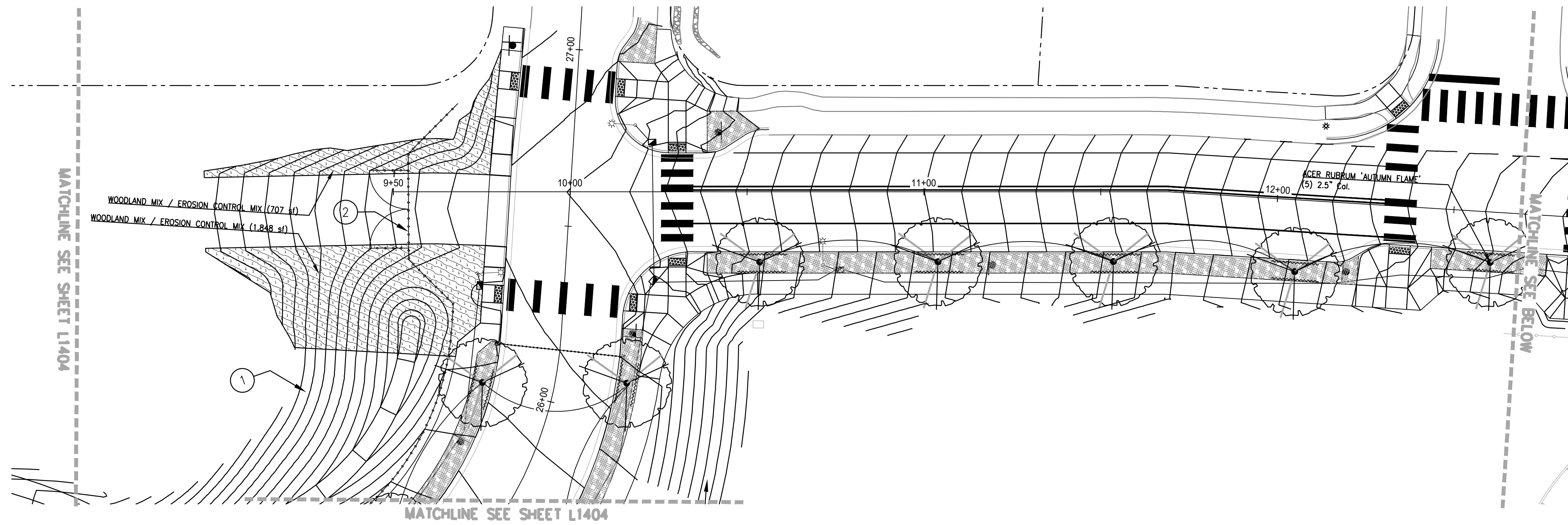
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

PLANTING OVERALL &
SCHEDULE

SHEET NO.
L1400A
SHEET 107 OF 153
RECORD NO.

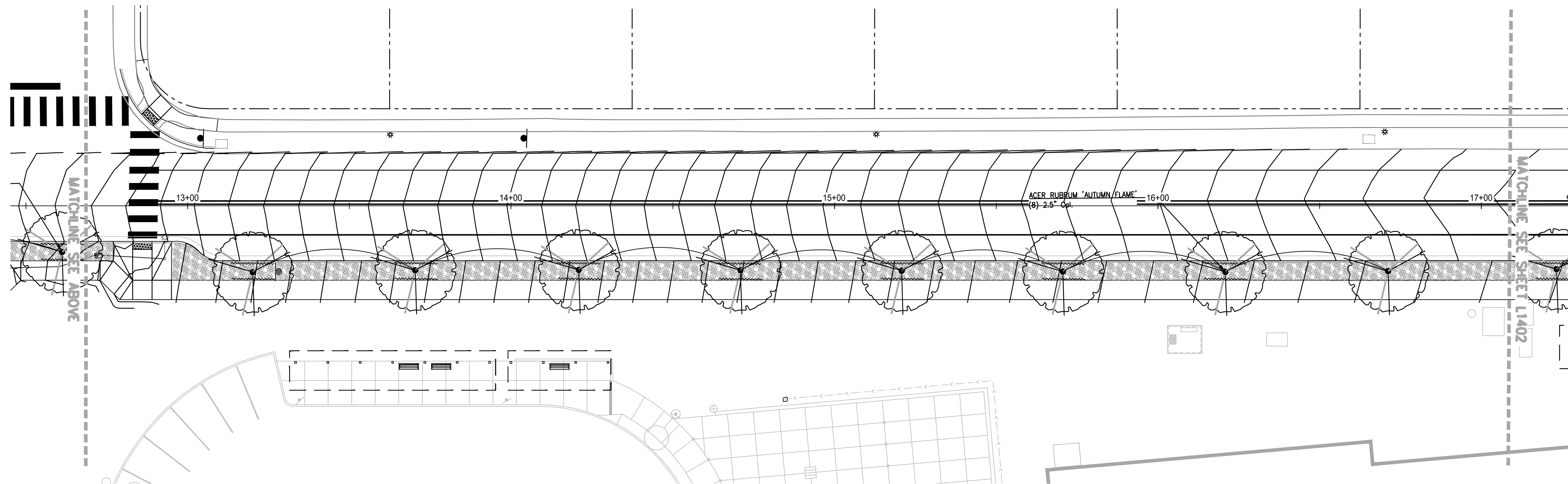
APPROVED

By Erich Lais at 1:28:44 PM, 05/31/2022



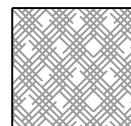

1 PLAN - DOLLAR STREET
SCALE: 1" = 20'

PLAN



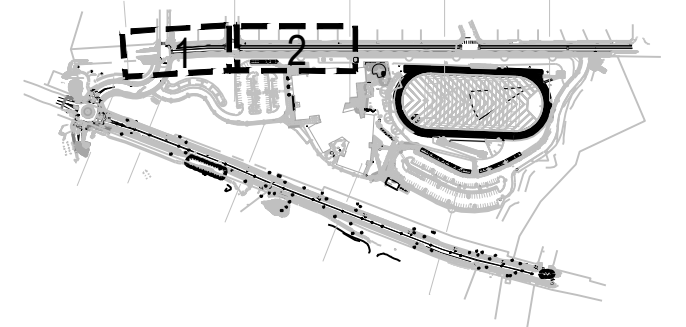
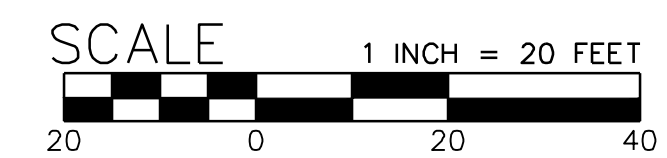
2 PLAN - DOLLAR STREET
SCALE: 1" = 20'

PLAN

-  MULCH 307 CY.
-  ROOT BARRIER

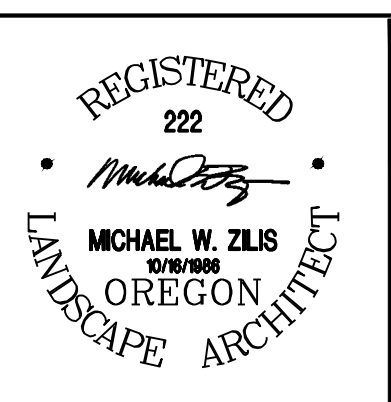
KEY NOTES

- ① SEE NEW ATHEY CREEK MIDDLE SCHOOL PLANTING PLANS FOR OTHER RESTORATION AND PLANTING WORK.
- ② SEE NEW ATHEY CREEK MIDDLE SCHOOL MATERIALS AND DETAILS FOR FENCE AND GATES.



File: C:\Users\wmorales\AppData\Local\Temp\AcPublish_55980\3651.03 PLANTING_OFF-SITE.dwg TAB: L1401
Plotted: 5/24/22 11:30am By: wmorales

REVISION	DATE	DESCRIPTION



WALKER MACY

111 SW OAK, SUITE 200
PORTLAND, OR 97204
503-228-3122

kpff

111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.:	2000067
DESIGNED BY:	IH / WM
DRAWN BY:	WM
CHECKED BY:	IH
PLOT DATE:	5/24/22 11:30am
PLOTTED BY:	wmorales
DWG NAME:	P3651.03 PLANTING_OFF-SITE.dwg
TAB NAME:	L1401

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

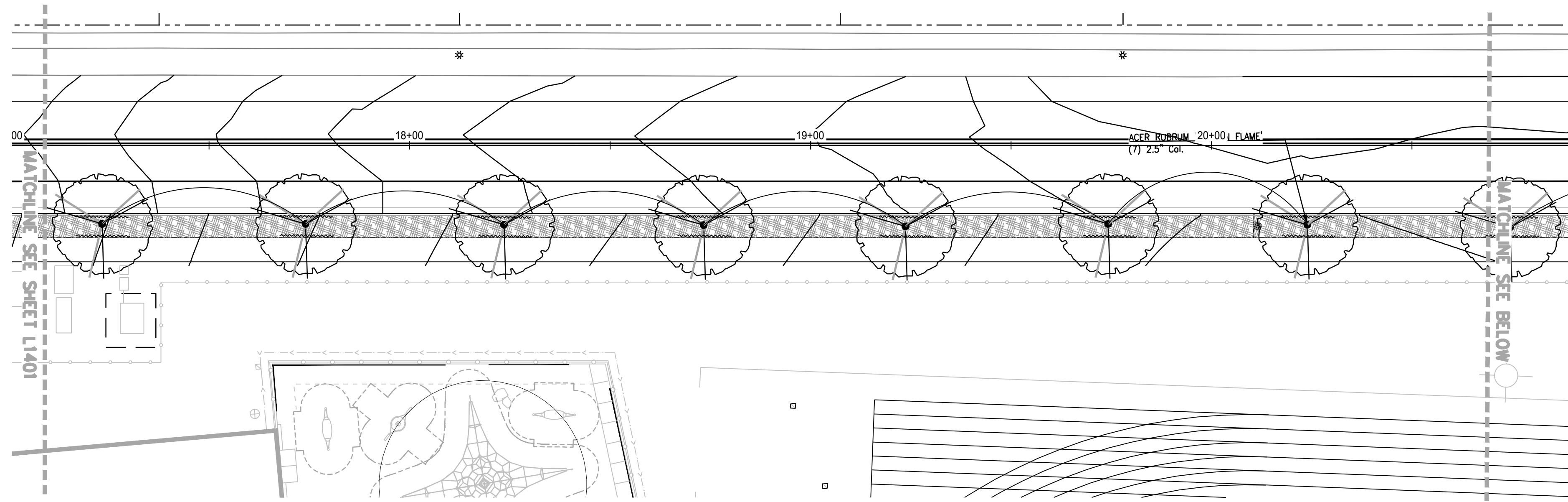
PLANTING PLAN

SHEET NO.
L1401

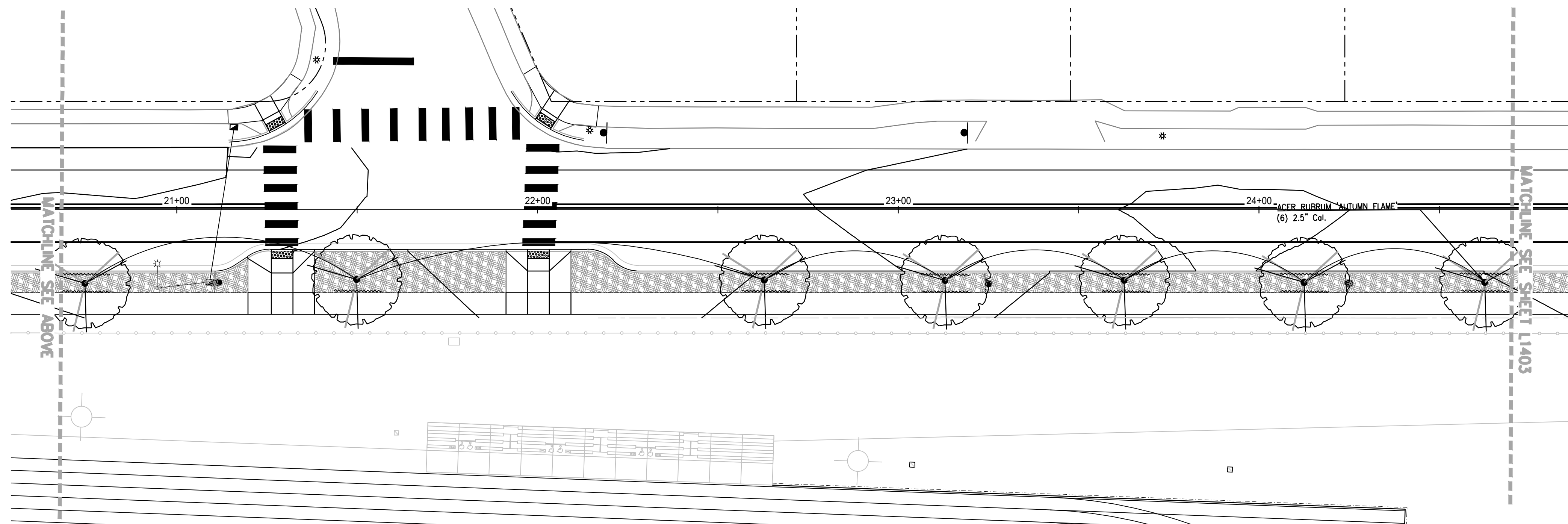
SHEET 108 OF 153
RECORD NO.

APPROVED

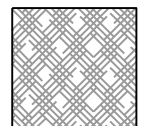
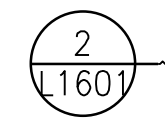
By Erich Lais at 1:28:54 PM, 05/31/2022



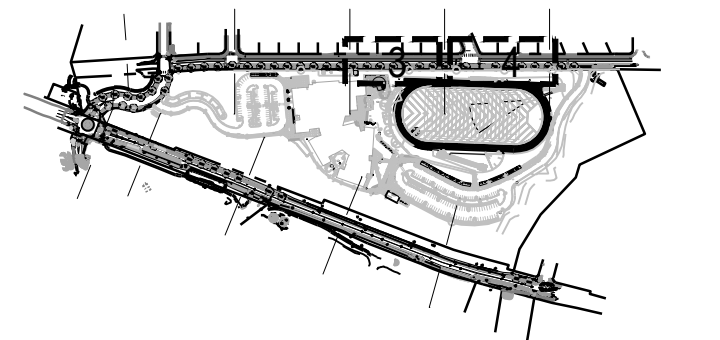
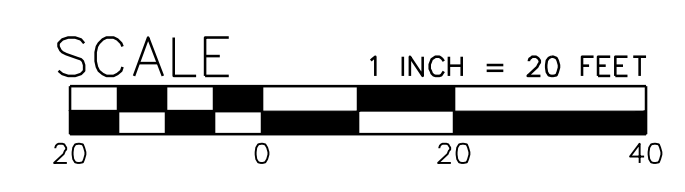
3 PLAN - DOLLAR STREET
SCALE: 1" = 20'
PLAN



4 PLAN - DOLLAR STREET
SCALE: 1" = 20'
PLAN

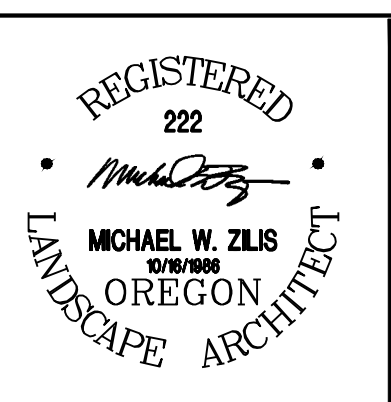
-  MULCH 307 CY.
-  ROOT BARRIER

- KEY NOTES**
- 1 SEE NEW ATHEY CREEK MIDDLE SCHOOL PLANTING PLANS FOR OTHER RESTORATION AND PLANTING WORK.
 - 2 SEE NEW ATHEY CREEK MIDDLE SCHOOL MATERIALS AND DETAILS FOR FENCE AND GATES.



File: C:\Users\wmorales\AppData\Local\Temp\AcPublish_55980\3651.03 PLANTING_OFF-SITE.dwg TAB: L1402
 Plotted: 5/24/22 11:33am By: wmorales
 22x34

REVISION	DATE	DESCRIPTION



WALKER MACY

111 SW OAK, SUITE 200
PORTLAND, OR 97204
503-228-3122

kpff

111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.:	2000067
DESIGNED BY:	IH / WM
DRAWN BY:	WM
CHECKED BY:	IH
PLOT DATE:	5/24/22 11:30am
PLOTTED BY:	wmorales
DWG NAME:	P3651.03 PLANTING_OFF-SITE.dwg
TAB NAME:	L1402

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

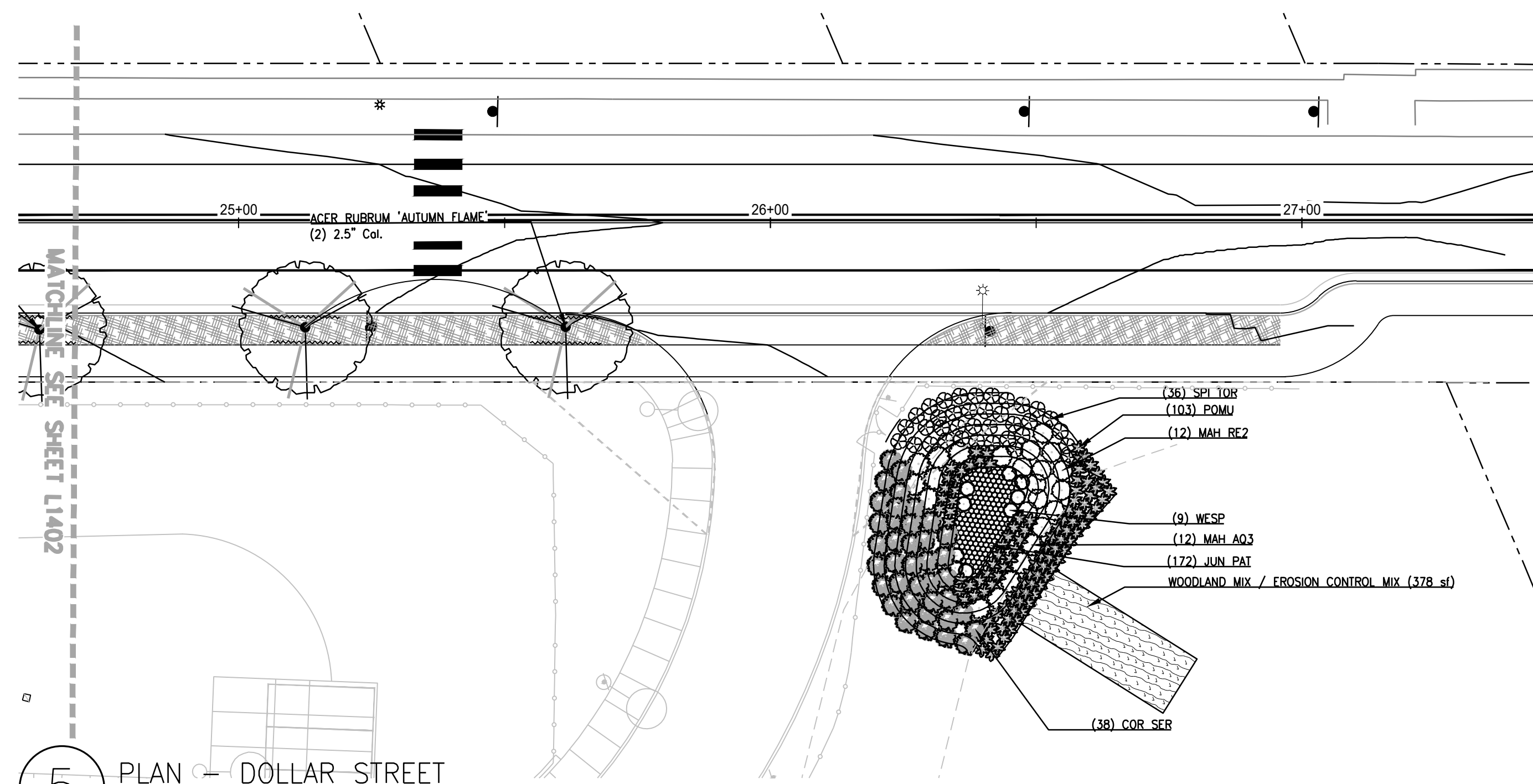
PLANTING PLAN

SHEET NO.
L1402

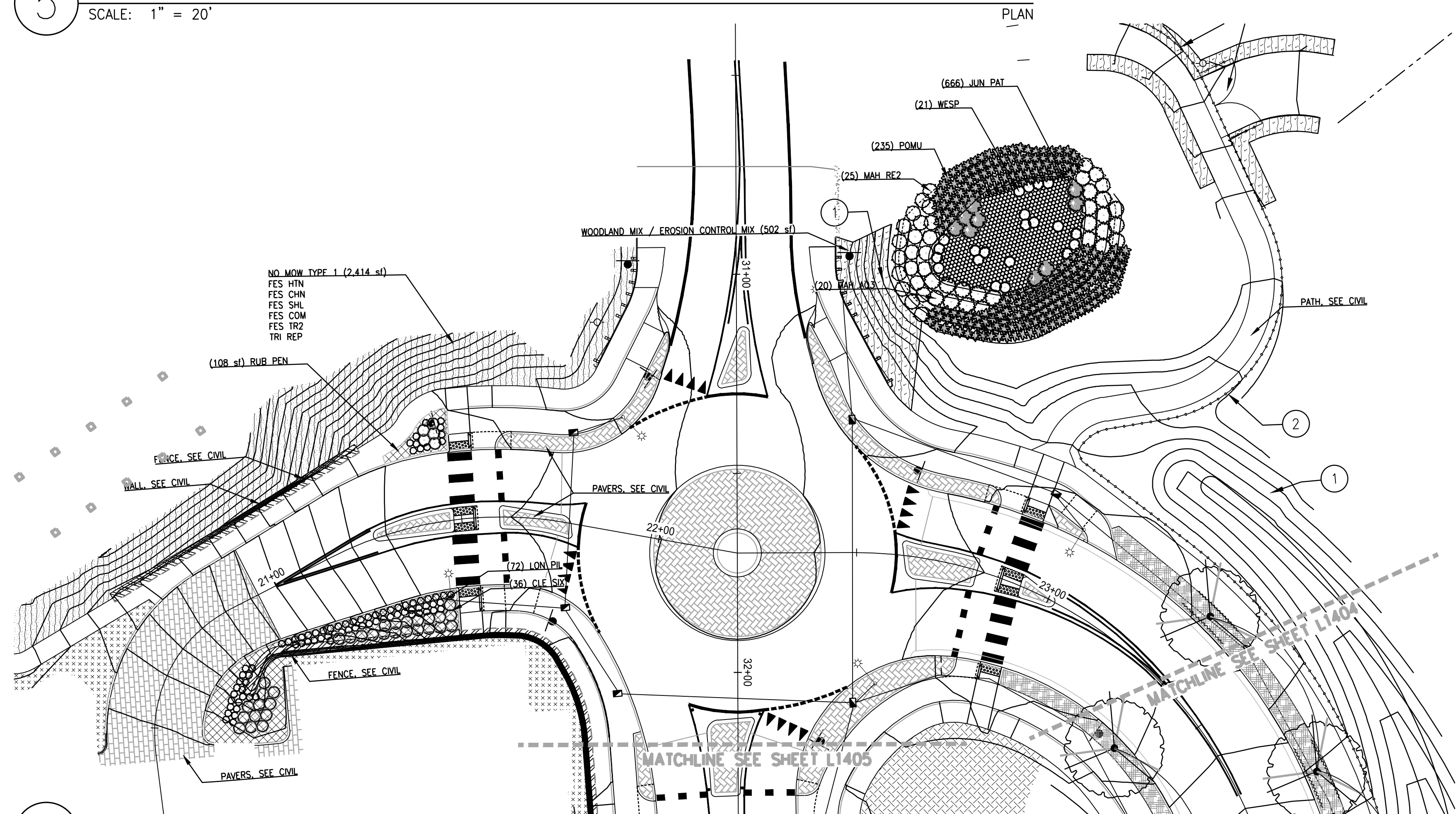
SHEET 109 OF 153
RECORD NO.

APPROVED

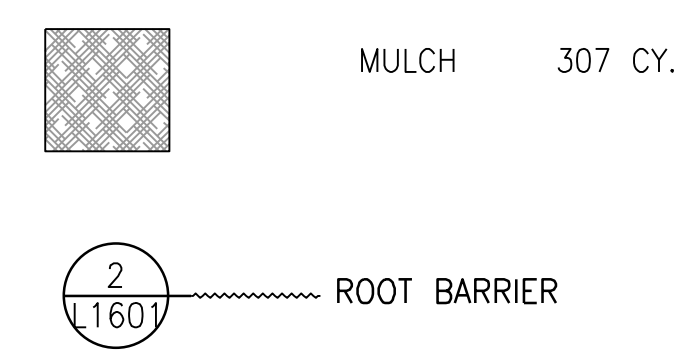
By Erich Lais at 1:29:15 PM, 05/31/2022



5 PLAN — DOLLAR STREET
SCALE: 1" = 20'

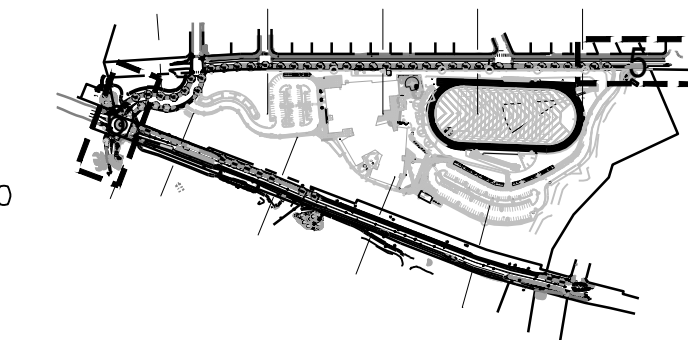
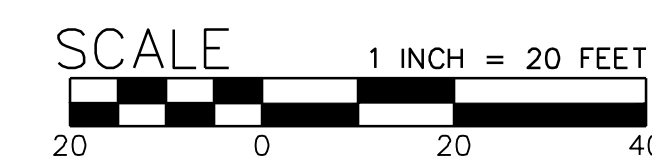


6 PLAN — BRANDON PLACE
SCALE: 1" = 20'



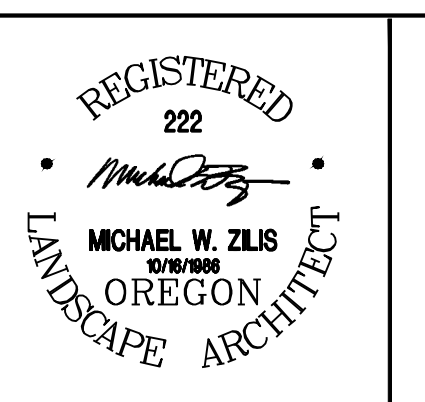
KEY NOTES

- ① SEE NEW ATHEY CREEK MIDDLE SCHOOL PLANTING PLANS FOR OTHER RESTORATION AND PLANTING WORK.
- ② SEE NEW ATHEY CREEK MIDDLE SCHOOL MATERIALS AND DETAILS FOR FENCE AND GATES.



File: C:\Users\wmorales\AppData\Local\Temp\AcPublish_55960P3651.03 PLANTING_OFF-SITE.dwg TAB:L1403
 Plotted: 5/24/22 11:30am By: wmorales
 22x34

REVISION	DATE	DESCRIPTION



WALKER MACY

111 SW OAK, SUITE 200
 PORTLAND, OR 97204
 503-228-3122

kpff

111 SW Fifth Ave., Suite 2600
 Portland, OR 97204
 O: 503.542.3860
 F: 503.224.4681
 www.kpff.com

JOB No.:	2000067
DESIGNED BY:	IH / WM
DRAWN BY:	WM
CHECKED BY:	IH
PLOT DATE:	5/24/22 11:30am
PLOTTED BY:	wmorales
DWG NAME:	P3651.03 PLANTING_OFF-SITE.dwg
TAB NAME:	L1403

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

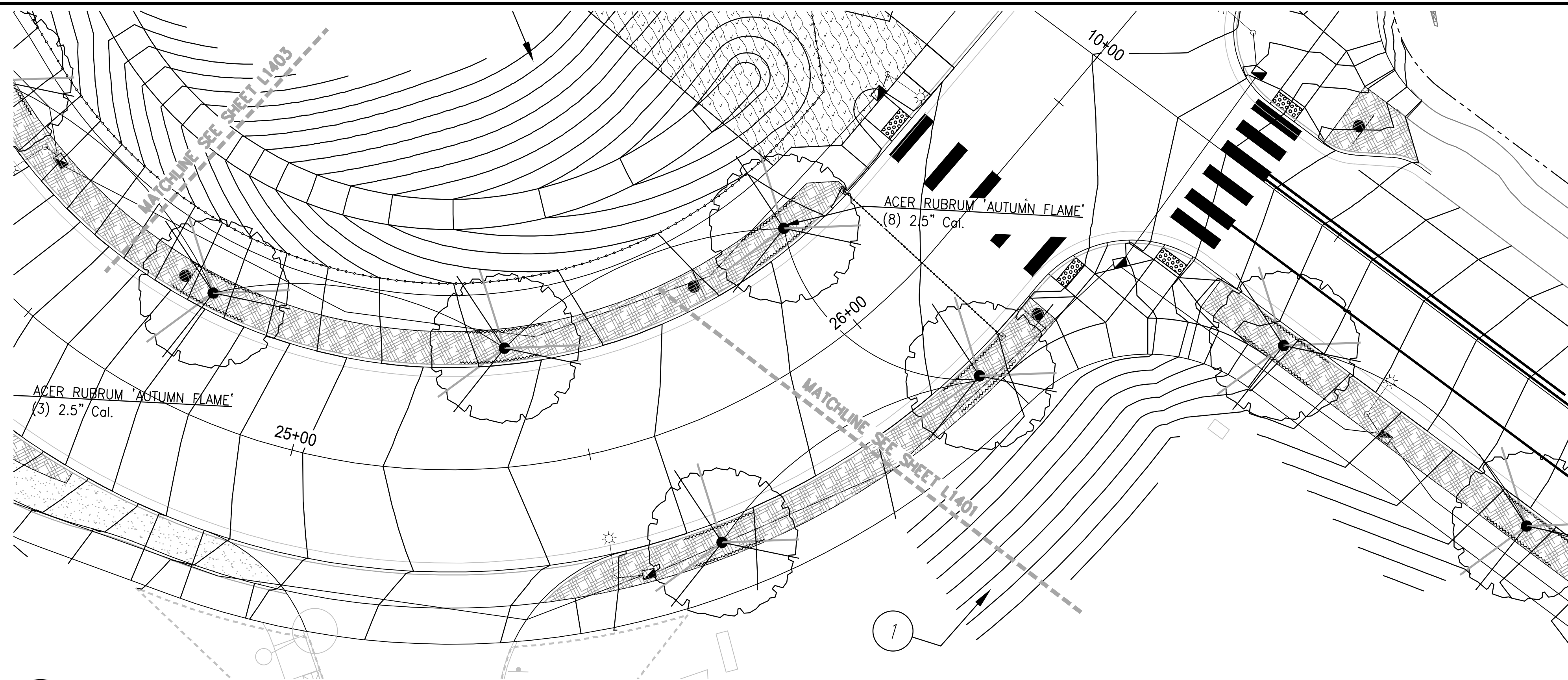
PLANTING PLAN

SHEET NO.
L1403

SHEET 110 OF 153
 RECORD NO.

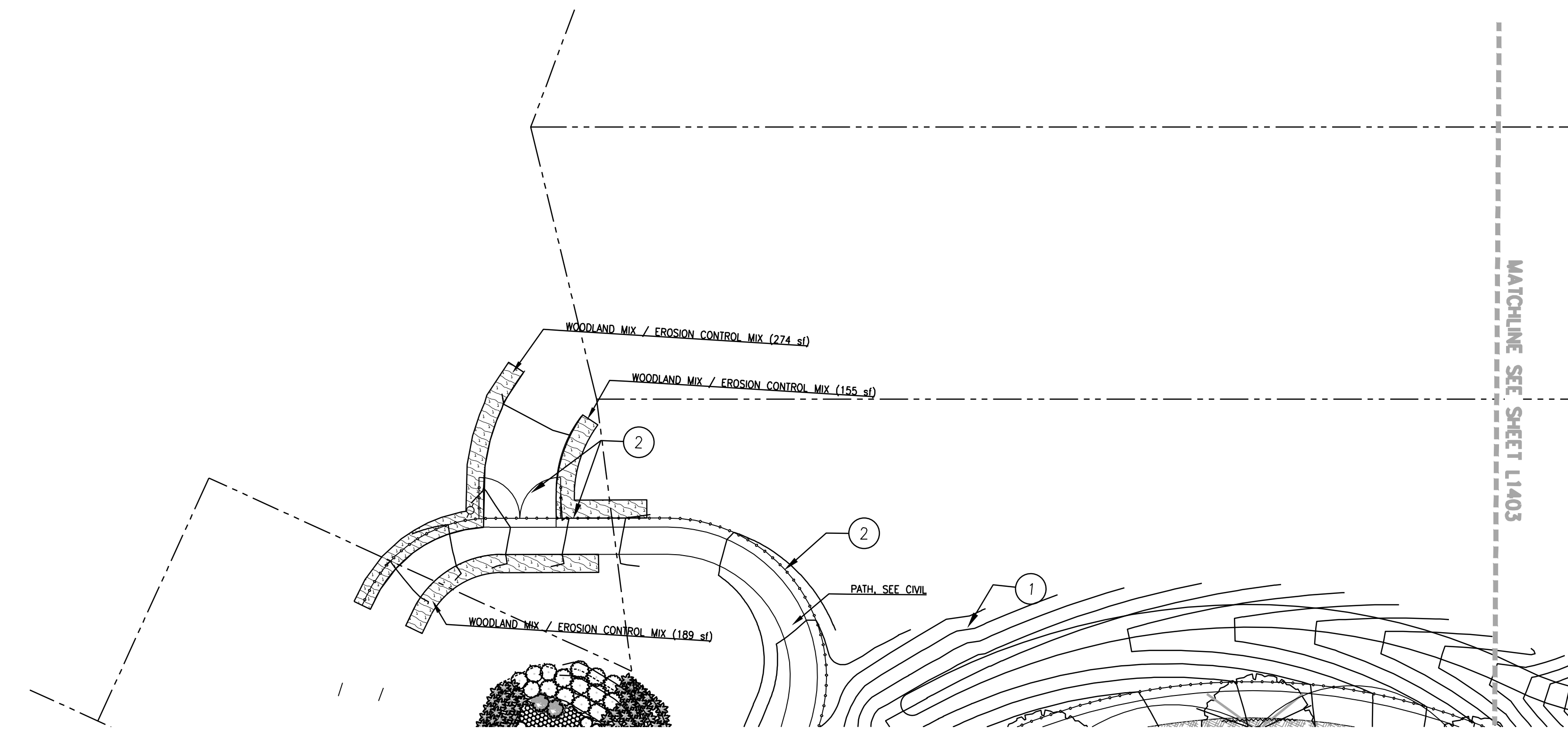
APPROVED

By Erich Lais at 1:29:24 PM, 05/31/2022



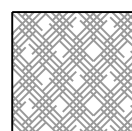

7 PLAN - BRANDON PLACE
SCALE: 1" = 20'

PLAN



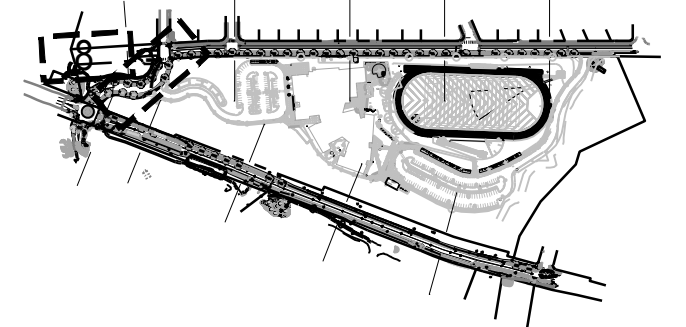
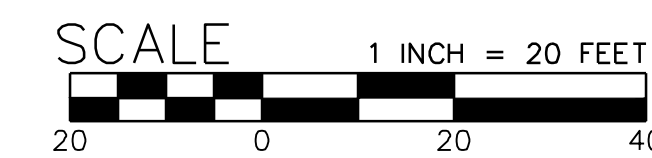
8 PLAN - DOLLAR STREET
SCALE: 1" = 20'

PLAN

-  MULCH 307 CY.
-  ROOT BARRIER

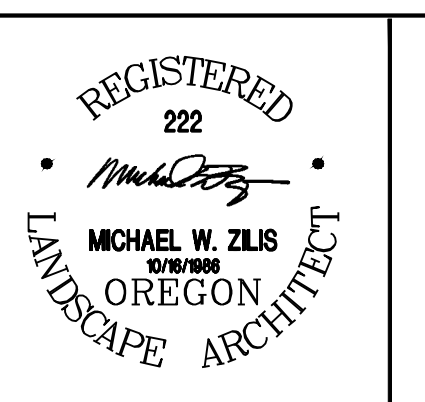
KEY NOTES

- ① SEE NEW ATHEY CREEK MIDDLE SCHOOL PLANTING PLANS FOR OTHER RESTORATION AND PLANTING WORK.
- ② SEE NEW ATHEY CREEK MIDDLE SCHOOL MATERIALS AND DETAILS FOR FENCE AND GATES.



File: C:\Users\wmorales\AppData\Local\Temp\AcPublish_55980\3651.03 PLANTING_OFF-SITE.dwg TAB:L1404
 Plotted: 5/24/22 11:31am By: wmorales
 22x34

REVISION	DATE	DESCRIPTION



JOB No.:	2000067
DESIGNED BY:	IH / WM
DRAWN BY:	WM
CHECKED BY:	IH
PLOT DATE:	5/24/22 11:31am
PLOTTED BY:	wmorales
DWG NAME:	P3651.03 PLANTING_OFF-SITE.dwg
TAB NAME:	L1404

West Linn, OR 97068

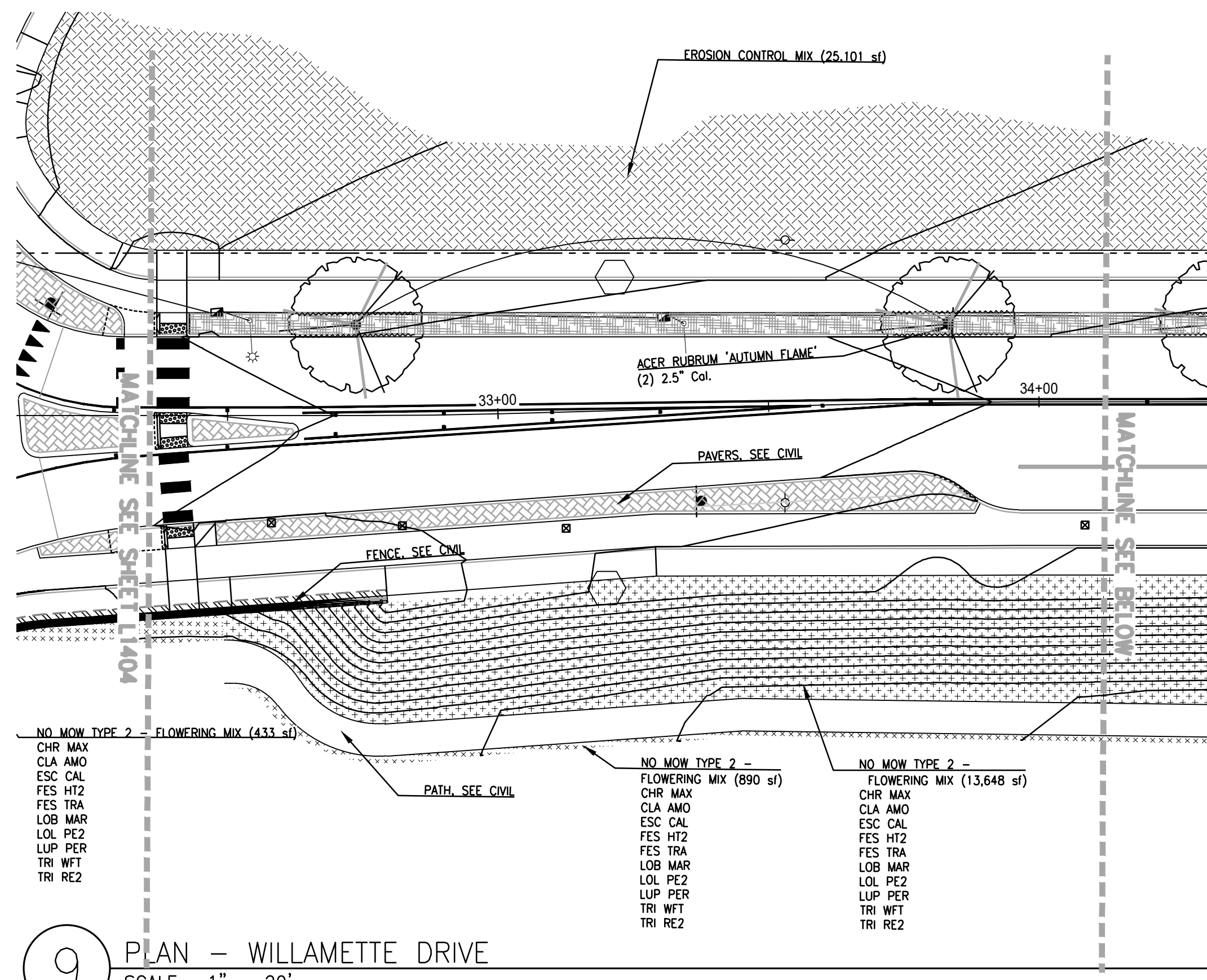
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

PLANTING PLAN

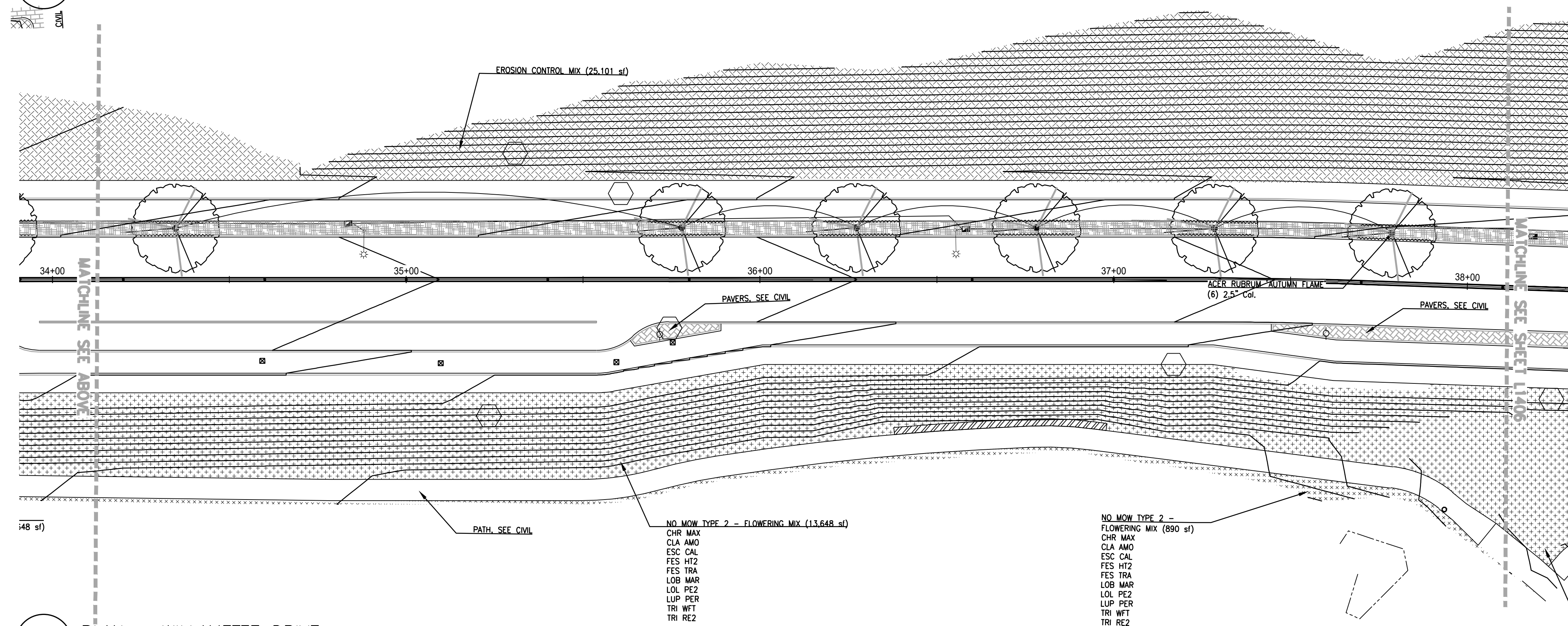
SHEET NO.
L1404
SHEET 111 OF 153
RECORD NO.

APPROVED

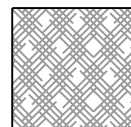
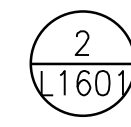
By Erich Lais at 1:29:33 PM, 05/31/2022



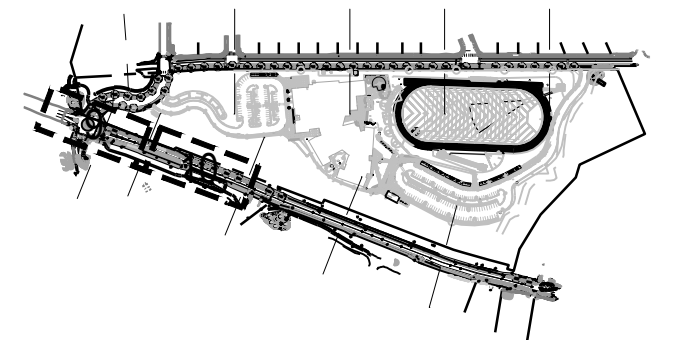
9 PLAN -- WILLAMETTE DRIVE
SCALE: 1" = 20'



10 PLAN -- WILLAMETTE DRIVE
SCALE: 1" = 20'

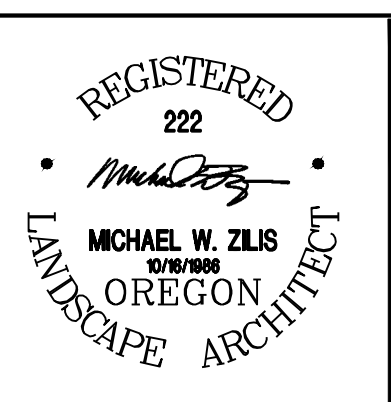
-  MULCH 307 CY.
-  ROOT BARRIER

- KEY NOTES**
- 1 SEE NEW ATHEY CREEK MIDDLE SCHOOL PLANTING PLANS FOR OTHER RESTORATION AND PLANTING WORK.
 - 2 SEE NEW ATHEY CREEK MIDDLE SCHOOL MATERIALS AND DETAILS FOR FENCE AND GATES.



File: C:\Users\wmorales\AppData\Local\Temp\AcPublish_55980P3651_03 PLANTING_OFF-SITE.dwg TAB:L1405
Plotted: 5/24/22 11:31am By: wmorales

REVISION	DATE	DESCRIPTION



WALKER MACY

111 SW OAK, SUITE 200
PORTLAND, OR 97204
503-228-3122

kpff

111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.:	2000067
DESIGNED BY:	IH / WM
DRAWN BY:	WM
CHECKED BY:	IH
PLOT DATE:	5/24/22 11:31am
PLOTTED BY:	wmorales
DWG NAME:	P3651.03 PLANTING_OFF-SITE.dwg
TAB NAME:	L1405

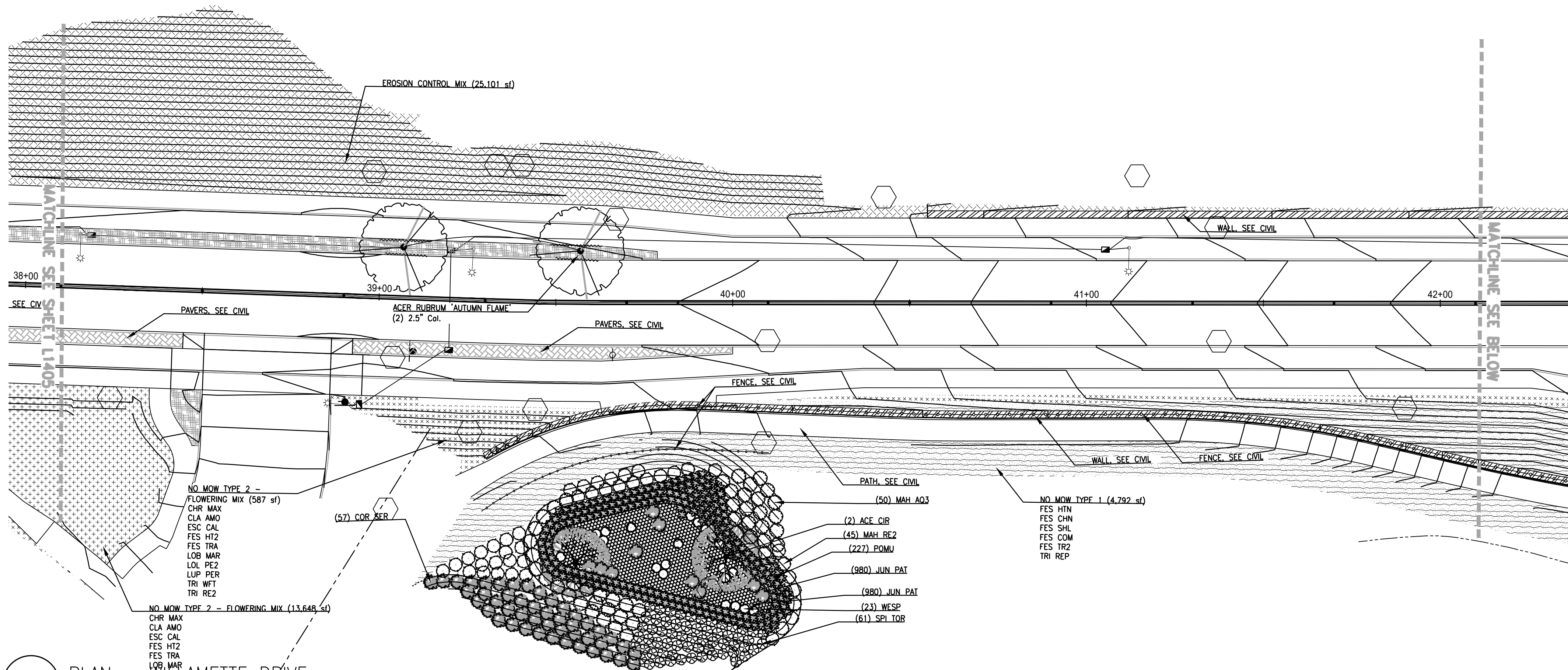
West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

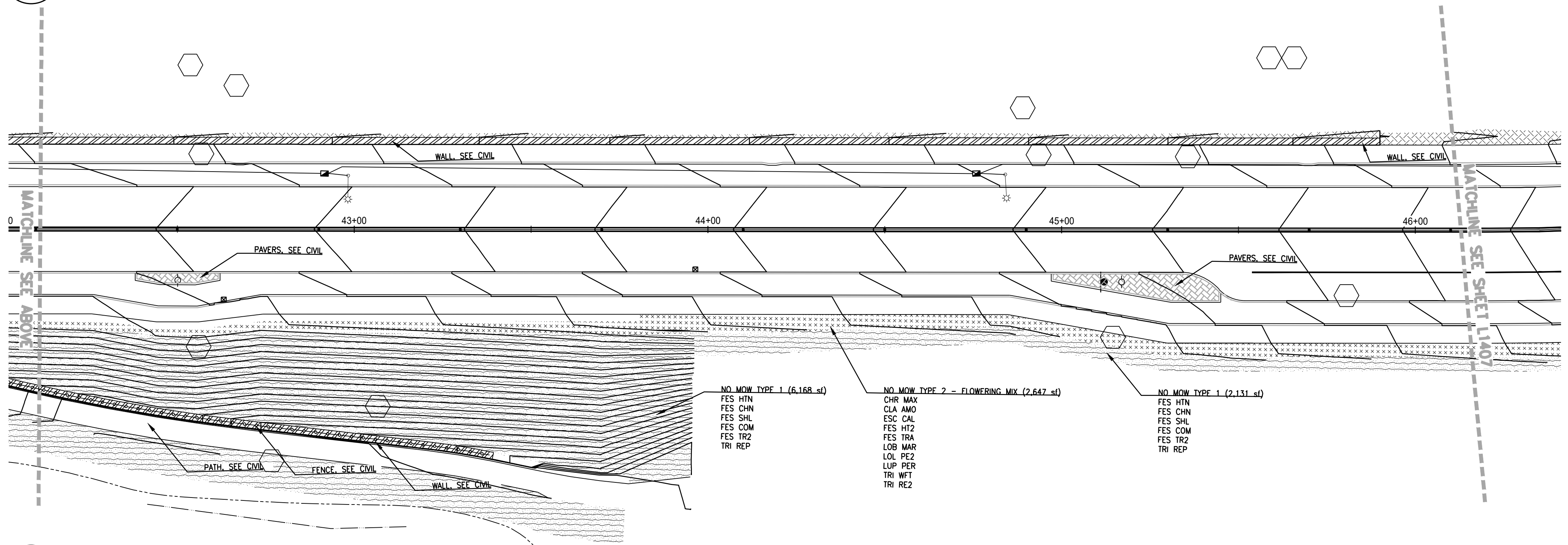
PLANTING PLAN

SHEET NO.
L1405

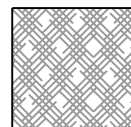
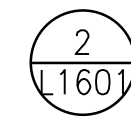
SHEET 112 OF 153
RECORD NO.



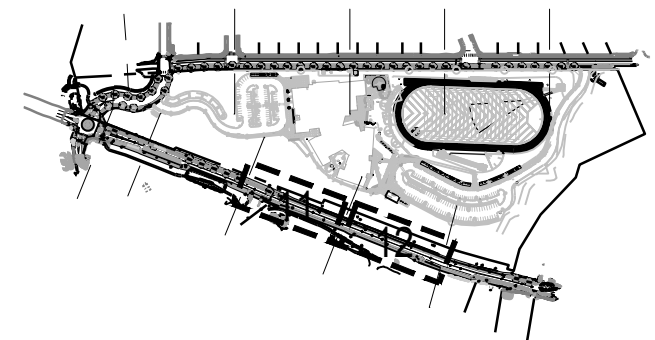
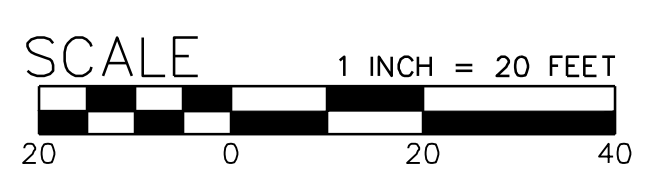
11 PLAN - WILLAMETTE DRIVE
SCALE: 1" = 20'



12 PLAN - WILLAMETTE DRIVE
SCALE: 1" = 20'

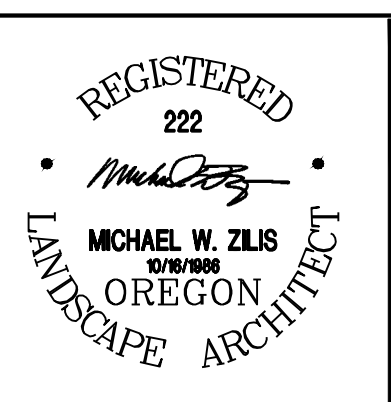
-  MULCH 307 CY.
-  ROOT BARRIER

- KEY NOTES**
- 1 SEE NEW ATHEY CREEK MIDDLE SCHOOL PLANTING PLANS FOR OTHER RESTORATION AND PLANTING WORK.
 - 2 SEE NEW ATHEY CREEK MIDDLE SCHOOL MATERIALS AND DETAILS FOR FENCE AND GATES.



File: C:\Users\wmorales\AppData\Local\Temp\AcPublish_55980P3651_03 PLANTING_OFF-SITE.dwg TAB:L1406
 Plotted: 5/24/22 11:31am By: wmorales
 22x34

REVISION	DATE	DESCRIPTION



WALKER MACY

111 SW OAK, SUITE 200
PORTLAND, OR 97204
503-228-3122

kpff

111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

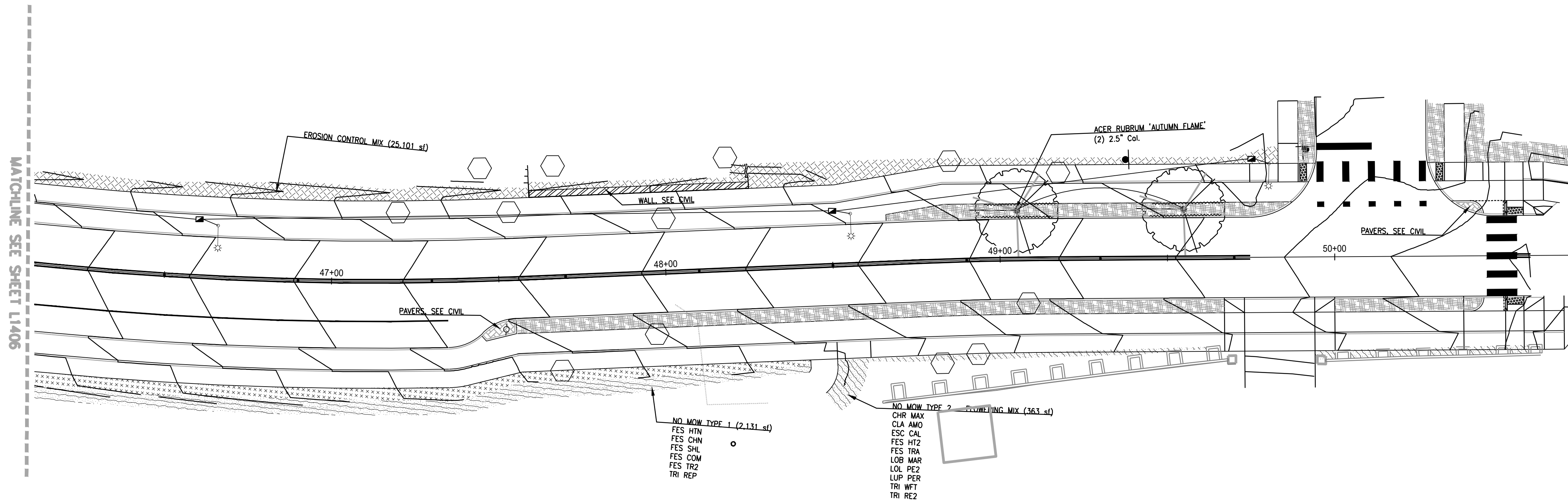
JOB No.:	2000067
DESIGNED BY:	IH / WM
DRAWN BY:	WM
CHECKED BY:	IH
PLOT DATE:	5/24/22 11:31am
PLOTTED BY:	wmorales
DWG NAME:	P3651.03 PLANTING_OFF-SITE.dwg
TAB NAME:	L1406

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

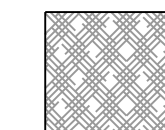
PLANTING PLAN

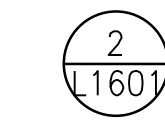
SHEET NO.	L1406
SHEET 113 OF 153	
RECORD NO.	



13 PLAN - WILLAMETTE DRIVE
SCALE: 1" = 20'

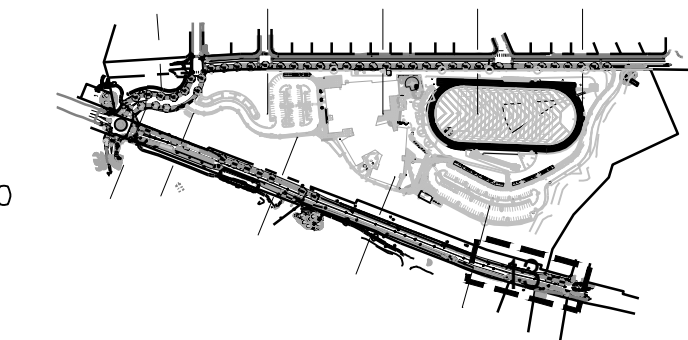
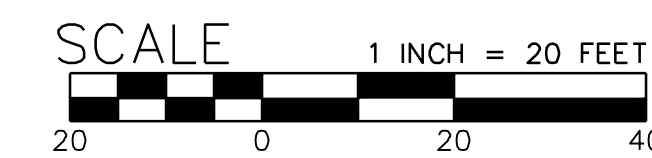
PLAN

 MULCH 307 CY.

 ROOT BARRIER

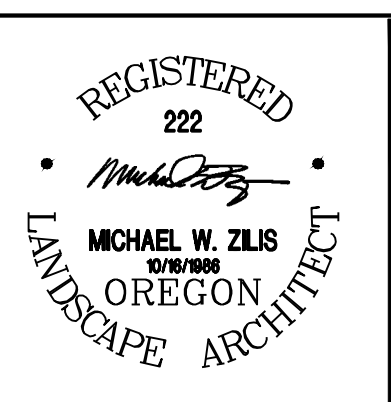
KEY NOTES

- ① SEE NEW ATHEY CREEK MIDDLE SCHOOL PLANTING PLANS FOR OTHER RESTORATION AND PLANTING WORK.
- ② SEE NEW ATHEY CREEK MIDDLE SCHOOL MATERIALS AND DETAILS FOR FENCE AND GATES.



File: C:\Users\wmorales\AppData\Local\Temp\AcPublish_55980\3651.03 PLANTING_OFF-SITE.dwg, TAB: L1407
 Plotted: 5/24/22 11:31am by: wmorales
 22x34

REVISION	DATE	DESCRIPTION



WALKER MACY

111 SW OAK, SUITE 200
PORTLAND, OR 97204
503-228-3122

kpff

111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.:	2000067
DESIGNED BY:	IH / WM
DRAWN BY:	WM
CHECKED BY:	IH
PLOT DATE:	5/24/22 11:31am
PLOTTED BY:	wmorales
DWG NAME:	P3651.03 PLANTING_OFF-SITE.dwg
TAB NAME:	L1407

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

PLANTING PLAN

SHEET NO.	L1407
SHEET 114 OF 153	
RECORD NO.	

IRRIGATION EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MANUF.	TYPE	DTL/SHEET
P.O.C.	POINT OF CONNECTION	-	-	-
	WATER METER	PER CITY	SEE CIVIL ENGINEERING PLANS	-
	RESILIENT WEDGE GATE VALVE	LEEMCO KENNEDY	SELF-RESTRAINED, MATCH PIPE SIZE	-
	ISOLATION BALL VALVE	APOLLO WATTS	70-140-10 (LINE SIZE) B6000-SS (LINE SIZE)	-
	WYE STRAINER	WATTS	77F-DI (3")	-
	COMBINATION VALVE	BERMAD	03-ARC (3")	-
	MANUAL DRAIN VALVE	NIBCO	T-311-Y (1")	-
	QUICK COUPLING VALVE	RAINBIRD	44LRC (1")	-
	MASTER VALVE #1 (NORMALLY OPEN)	SUPERIOR	3300 SERIES, SIZE PER MAIN	-
	FLOW SENSOR	DATA INDUSTRIAL	FS-200	-
	PRESSURE-REGULATING REMOTE CONTROL VALVE	WEATHERMATIC	11000 SERIES BLACKMAX (SIZE PER PLAN)	2, L1602 5, L1602 8, L1602
	SPRING CHECK VALVE	KBI	BPC-XX*XX*-S	-
	IRRIGATION CONTROLLER	BASELINE	CONTROLLER WILL BE INSTALLED AS PART OF SCHOOL ON-SITE IMPROVEMENTS. CONTRACTOR SHALL WIRE NEW CONTROL VALVES TO EXISTING CONTROLLER WIRING AND COMPLETE INSTALLATION WITH BASELINE TWO CONNECTION REQUIREMENTS.	-
	FIELDS BRIDGE PARK IRRIGATION CONTROLLER EXISTING	EXISTING	CONTRACTOR TO LOCATE EXISTING CONTROLLER AT PARK, AND EXISTING MAINLINE IN THE WORK AREA OF NEW VALVES. CONTRACTOR SHALL CONNECT TO EXISTING MAINLINE OR EXISTING IRRIGATION REMOTE CONTROL VALVE PLUMBING WITH SIMILAR WATER REQUIREMENTS.	-
	IRRIGATION CONTROLLER	RAINBIRD	RAINBIRD TBOS-BT BATTERY OPERATED BLUE TOOTH CAPABLE CONTROLLER, TBOS-BT4 INSTALL PER MANUFACTURERS RECOMMENDATIONS IN VALVE BOX WITH REMOTE CONTROL VALVE USING DC LATCHING SOLENOID	2, L1602
	IRRIGATION CONTROLLER	RAINBIRD	RAINBIRD TBOS-BT BATTERY OPERATED BLUE TOOTH CAPABLE CONTROLLER, TBOS-BT4 INSTALL PER MANUFACTURERS RECOMMENDATIONS IN VALVE BOX WITH REMOTE CONTROL VALVE USING DC LATCHING SOLENOID	2, L1602
	PULL BOX	RAINBIRD	VB SERIES INTERLOCKING VALVE BOX	-
	MAINLINE (2-1/2" AND SMALLER) SIZE PER PLAN	PW EAGLE CRESLINE	SCH 40 PVC	1, L1602
	MAINLINE (3" AND LARGER) SIZE PER PLAN	PW EAGLE CRESLINE	CLASS 200 GASKETED FITTING WITH HARCO OR LEEMCO DUCTILE IRON JOINT RESTRAINTS AT 90 DEGREE, T FITTINGS AND 45 DEGREE FITTING AND JOINTS	1, L1602
	MAINLINE STUB-OUT	PVC PIPE END WITH DUCTILE IRON PLUG AND MECHANICAL JOINT RESTRAINT FOR FUTURE USE, PLACE IN STANDARD VALVE BOX		-
	LATERAL LINE, SIZE PER PLAN AND PIPE SIZING CHART	PW EAGLE CRESLINE	SCH 40 PVC SEE IRRIGATION PIPE SIZING LEGEND FOR SPECIAL PIPE SIZING REQUIREMENTS	1, L1602
	SLEEVE	PW EAGLE CRESLINE	SCH 40 PVC OR ASTM D-3034 SDR-35 PLASTIC SEWER PIPE; SIZE 2-1/2 x PIPE DIA. 4" MIN. INSTALL WITH CAPS BOTH ENDS AT ROADWAYS SEE CIVIL ENGINEERING PLANS FOR DETAILS	4, L1602
	COMMUNICATION CABLE	PAIGE ELECTRIC	PE-89 OR EQUAL AS REQUIRED FOR CONTROLLER	-

IRRIGATION SPRAY HEAD SCHEDULE

SYMBOL	DESCRIPTION	GPM	PSI	RADIUS	DTL/SHEET
*NOTE: USE 6" POP-UP BODIES IN LAWN AREAS; USE 6" POP-UP BODIES IN PLANTING AREAS LESS THAN 6' WIDE; AND 12" POP-UP BODIES IN PLANTING AREAS 6' AND WIDER. USE SAM HEAD WHERE NECESSARY TO PREVENT LOW END DRAINAGE.					
	RAINBIRD 18XX* PRS-5Q	.10	30	5'	7, L1602
	RAINBIRD 18XX* PRS-5H	.20	30	5'	-
	RAINBIRD 18XX* PRS-8-Q	.26	30	8'	-
	RAINBIRD 18XX* PRS-8-T	.35	30	8'	-
	RAINBIRD 18XX* PRS-8-H	.52	30	8'	-
	RAINBIRD 18XX* PRS-8-F	1.05	30	8'	-
	RAINBIRD 18XX* PRS-8-VAN	.72	30	8'	-
	RAINBIRD 18XX* PRS-10-Q	.39	30	10'	-
	RAINBIRD 18XX* PRS-10-T	.53	30	10'	-
	RAINBIRD 18XX* PRS-10-H	.79	30	10'	-
	RAINBIRD 18XX* PRS-10-F	1.58	30	10'	-
	RAINBIRD 18XX* PRS-10-VAN	.75	30	10'	-
	RAINBIRD 18XX* PRS-12-Q	.65	30	12'	-
	RAINBIRD 18XX* PRS-12-T	.87	30	12'	-
	RAINBIRD 18XX* PRS-12-H	1.30	30	12'	-
	RAINBIRD 18XX* PRS-12-TQ	1.95	30	12'	-
	RAINBIRD 18XX* PRS-12-F	2.60	30	12'	-
	RAINBIRD 18XX* PRS-12-VAN	.62	30	12'	-
	RAINBIRD 18XX* PRS-15-Q	.92	30	15'	-
	RAINBIRD 18XX* PRS-15-T	1.23	30	15'	-
	RAINBIRD 18XX* PRS-15-H	1.85	30	15'	-
	RAINBIRD 18XX* PRS-15-TQ	2.78	30	15'	-
	RAINBIRD 18XX* PRS-15-F	3.70	30	15'	-
	RAINBIRD 18XX* PRS-15-VAN	.92	30	15'	-
	RAINBIRD 18XX* PRS-18-Q-VAN	1.33	30	18'	-
	RAINBIRD 18XX* PRS-18-H-VAN	2.66	30	18'	-
	RAINBIRD 18XX* PRS-18-TQ-VAN	3.99	30	18'	-
	RAINBIRD 18XX* PRS-18-F-VAN	5.32	30	18'	-
	RAINBIRD 18XX* PRS-15EST	.61	30	4'x15'	-
	RAINBIRD 18XX* PRS-15LCS	.49	30	4'x15'	-
	RAINBIRD 18XX* PRS-15RCS	.49	30	4'x15'	-
	RAINBIRD 18XX* PRS-15SST	1.21	30	4'x30'	↓
	RAINBIRD RWS-M-B-C-1402 WITH CHECK VALVE, (2 PER TREE)	1.00	30	N/A	3, L1602

IRRIGATION NOTES

1. THE CONTRACTOR SHALL INSPECT THE SITE AND VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES AFFECTING SYSTEM PERFORMANCE PRIOR TO BEGINNING WORK.
2. INSTALL IRRIGATION SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
3. IRRIGATION LINES SHOWN WITHIN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY. IRRIGATION HEADS AND PIPES ARE TO BE PLACED WITHIN LANDSCAPED AREAS WITH THEIR LOCATIONS MODIFIED AS REQUIRED TO AVOID PLANT MATERIALS, UTILITIES AND OTHER OBSTRUCTIONS. PLACE LINES IN COMMON TRENCHES WHERE POSSIBLE.
4. COORDINATE ALL IRRIGATION WORK WITH OTHER TRADES INVOLVED. COORDINATE IRRIGATION P.O.C. AND LOCATION OF AUTOMATIC CONTROLLER.
5. ALL VALVE BOXES WILL BE PLACED IN A MANNER WHICH FACILITATES ACCESS FOR MAINTENANCE. LOCATE VALVE BOXES IN PLANTING AREAS WHEREVER POSSIBLE. SIZE BOXES TO ACCOMMODATE COMPLETE VALVE ASSEMBLY INCLUDING UNIONS.
6. ALL COMPONENTS OF IRRIGATION SYSTEM SHALL BE INSTALLED AND ADJUSTED TO PROVIDE ADEQUATE COVERAGE AND ELIMINATE OVERSPRAY ONTO BUILDINGS, ROADS AND WALKWAYS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE WORKING SYSTEM.
7. CONTRACTOR SHALL VERIFY STATIC PRESSURE AT APPROXIMATELY 64 P.S.I. AT THE P.O.C. / PUMP PRIOR TO COMMENCING WORK. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IF ACTUAL FIELD DATA DIFFERS FROM THIS INFORMATION.
8. THIS SYSTEM REQUIRES A MINIMUM STATIC PRESSURE OF 64 P.S.I. AND A MAXIMUM FLOW OF 40 GPM AT POINT-OF-CONNECTION WEST OF BRANDON PLACE. THE IRRIGATION VALVES SUPPLIED BY THE ON SITE IRRIGATION CONNECTION AND PUMP HAVE 125 PSI AND 120 GPM AVAILABLE. HEAD LAYOUT AND ZONES ARE BASED ON THIS DATA AND DATA SHOWN IN IRRIGATION SCHEDULE. NOTIFY THE OWNERS REPRESENTATIVE PRIOR TO COMMENCING WORK IF ACTUAL FIELD DATA DIFFERS FROM THIS INFORMATION.
9. IRRIGATION LATERALS ARE SIZED AT VALVE AND CONTINUING IN DIRECTION OF FLOW. REDUCTIONS IN PIPE SIZE ARE LABELED BEGINNING DOWNSTREAM OF NEAREST FITTING. ALL LATERALS ARE MINIMUM 3/4" OR SAME SIZE AS NEAREST UPSTREAM PIPE.
10. INSTALL ALL IRRIGATION PIPES IN PVC SLEEVES BELOW ALL PAVED SURFACES. COORDINATE PLACEMENT OF SLEEVES WITH APPLICABLE TRADES.
11. CONTRACTOR SHALL REFER TO THE CITY OF WEST LINN SPECIFICATIONS AND INSTALLATION REQUIREMENTS.
12. CONTRACTOR SHALL REFER TO ANY APPLICABLE SPECIAL PROVISION INCLUDED AS A PART OF THESE CONTRACT DOCUMENTS.
13. THE CONTRACTOR SHALL PERFORM A STATIC PRESSURE TEST AT THE EXISTING BACKFLOW BEFORE THE START OF WORK AND PROVIDE A SUBMITTAL TO THE LANDSCAPE ARCHITECT STATING PRESSURE AND LOCATION WITH PHOTOGRAPH OF PRESSURE GAUGE IN SUBMITTAL.
15. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY TEMPORARY IRRIGATION TO ESTABLISH PLANTING AS A PART OF THIS CONTRACT.
16. THE CONTRACTOR SHALL CONFIRM LAYOUT AND LOCATIONS OF ALL VALVE BOXES WITH THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

LATERAL LINE SIZING CHART

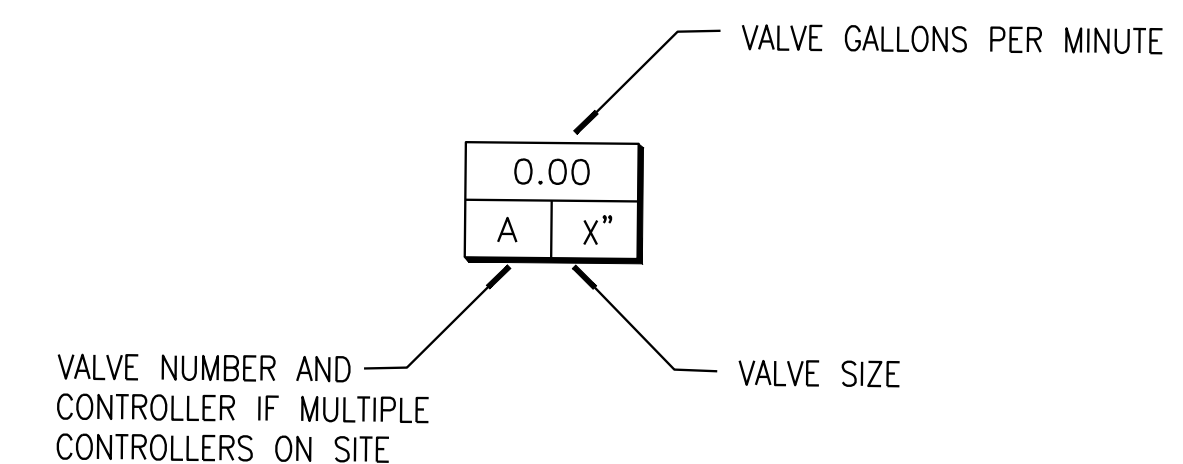
*** SPECIAL CONDITIONS ***

SCHEDULE 40 PVC

3/4" UP TO 4 GPM	1-1/2" UP TO 16 GPM
1" UP TO 6 GPM	2" UP TO 26 GPM
1-1/4" UP TO 11 GPM	2-1/2" UP TO 35 GPM

NOTE: VELOCITY THROUGH PIPE IS NOT TO EXCEED 2.5 FEET PER SECOND (FPS) IN ACCORDANCE WITH INDUSTRY STANDARD. PRESSURE LOSS DUE TO PIPE FRICTION IN ANY ONE CIRCUIT IS NOT TO EXCEED 10% OF AVAILABLE STATIC PRESSURE.

REMOTE CONTROL VALVE KEY



File: D:\Data\LA_2020\0014-MM-West_Linn-MS\walkermacy\IRRIGATION_OFF-SITE.dwg TAB.L1500A
Plotted: 5/24/22 at 8:34am By: Landarc 4
22x34

REVISION	DATE	DESCRIPTION



WALKER MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

LANDARC
Associates PLLC

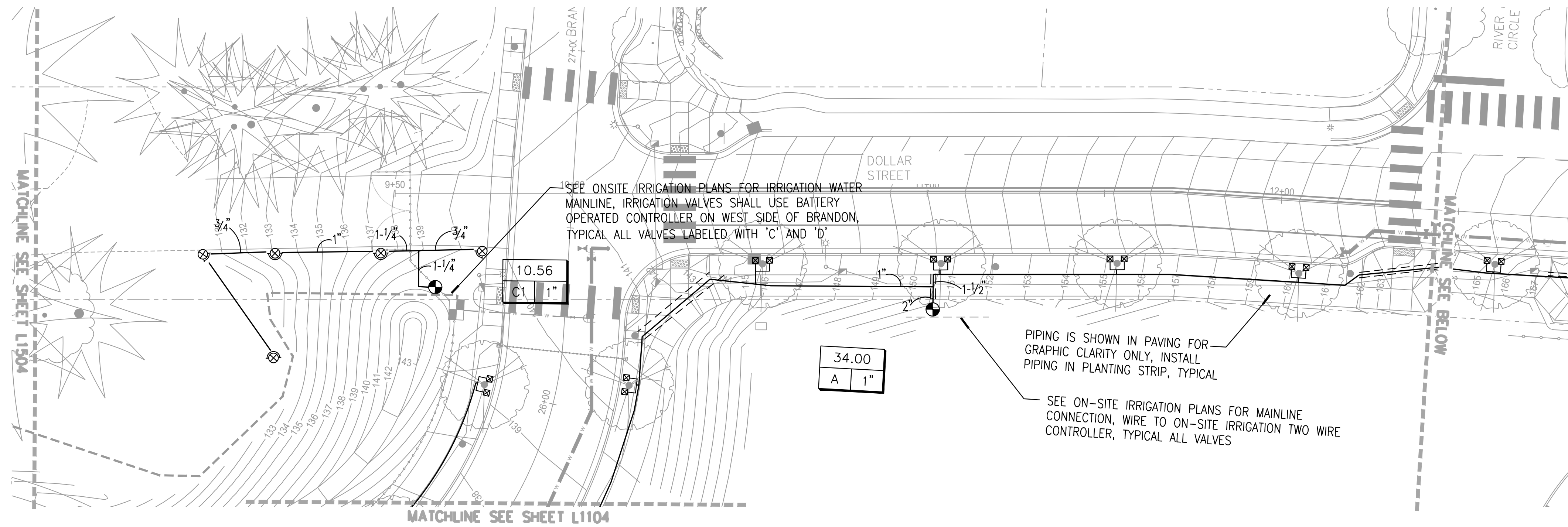
kpff
111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.:	2000067
DESIGNED BY:	SF
DRAWN BY:	SF
CHECKED BY:	SF
PLOT DATE:	5/24/22 8:34am
PLOTTED BY:	Landarc 4
DWG NAME:	IRRIGATION_OFF-SITE.dwg
TAB NAME:	L1500A

West Linn, OR 97068

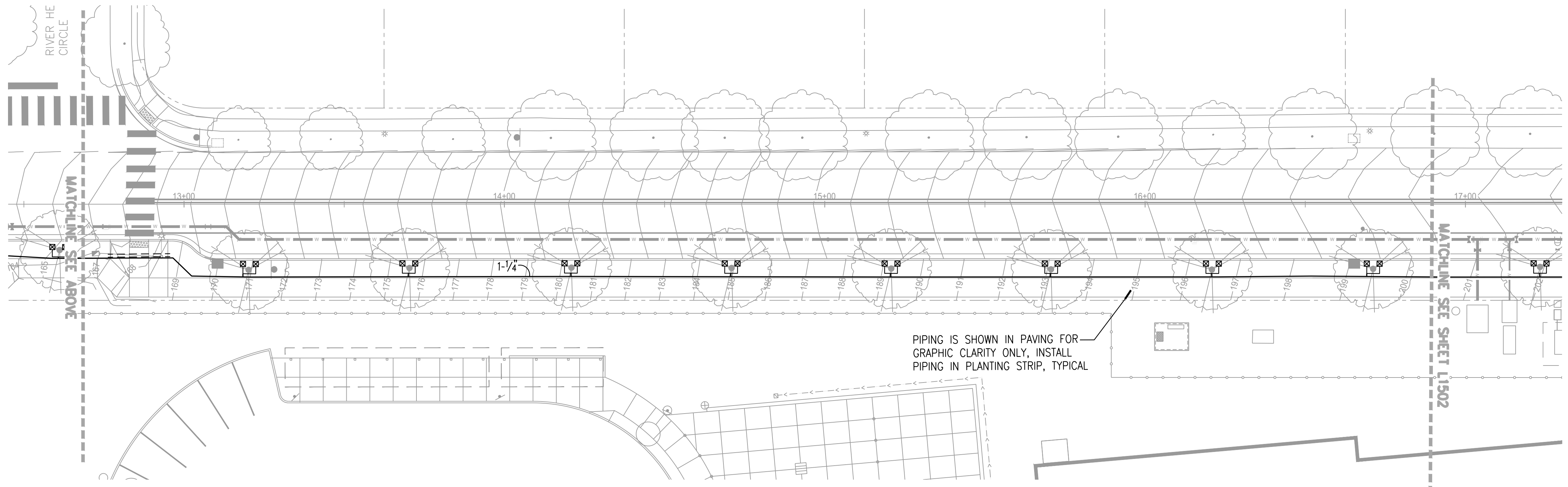
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

IRRIGATION LEGENDS AND NOTES



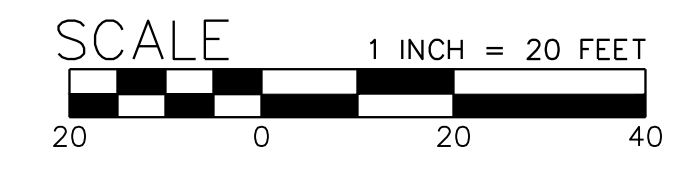
1 PLAN - DOLLAR STREET
SCALE: 1" = 20'

PLAN



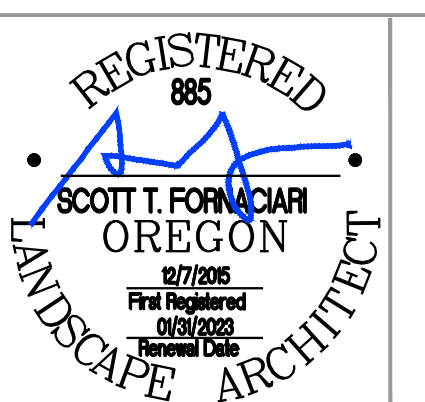
2 PLAN - DOLLAR STREET
SCALE: 1" = 20'

PLAN



File: D:\Data\LA_2020\2014-MM-West_Linn-MS\walkermacy\IRRIGATION_OFF-SITE.dwg TAB:L1501
Plotted: 5/24/22 at 8:35am By: Landarc 4
22x34

REVISION	DATE	DESCRIPTION



WALKER MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

LANDARC
Associates PLLC

kpff

111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

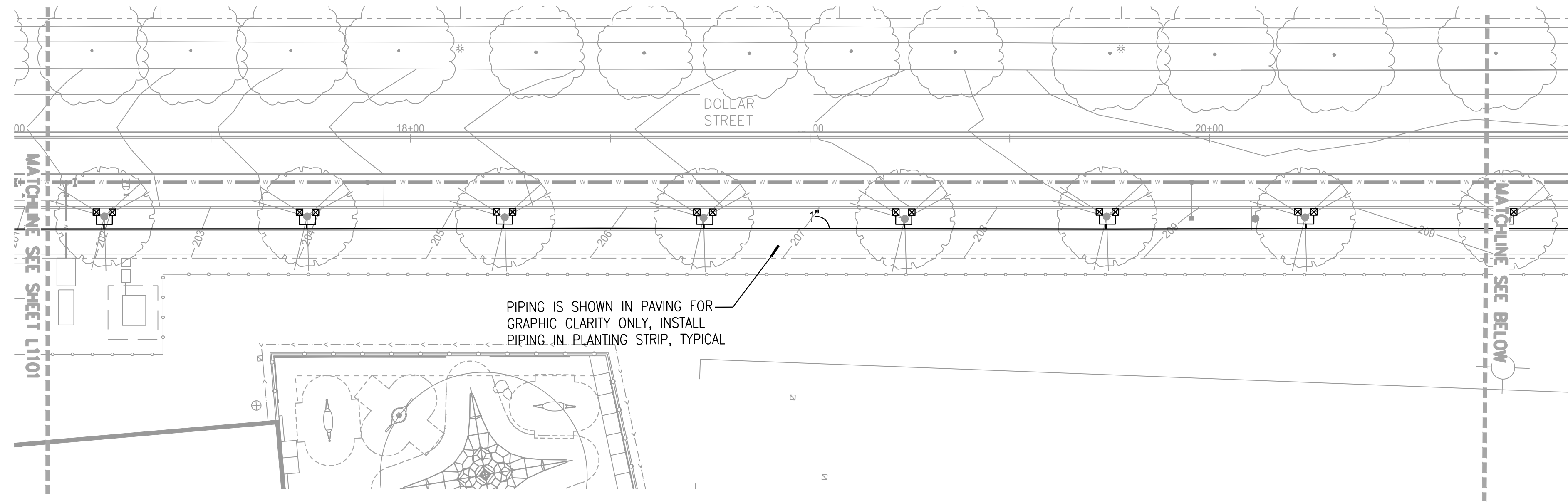
JOB No.:	2000067
DESIGNED BY:	SF
DRAWN BY:	SF
CHECKED BY:	SF
PLOT DATE:	5/24/22 8:35am
PLOTTED BY:	Landarc 4
DWG NAME:	IRRIGATION_OFF-SITE.dwg
TAB NAME:	L1501

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
IRRIGATION PLAN

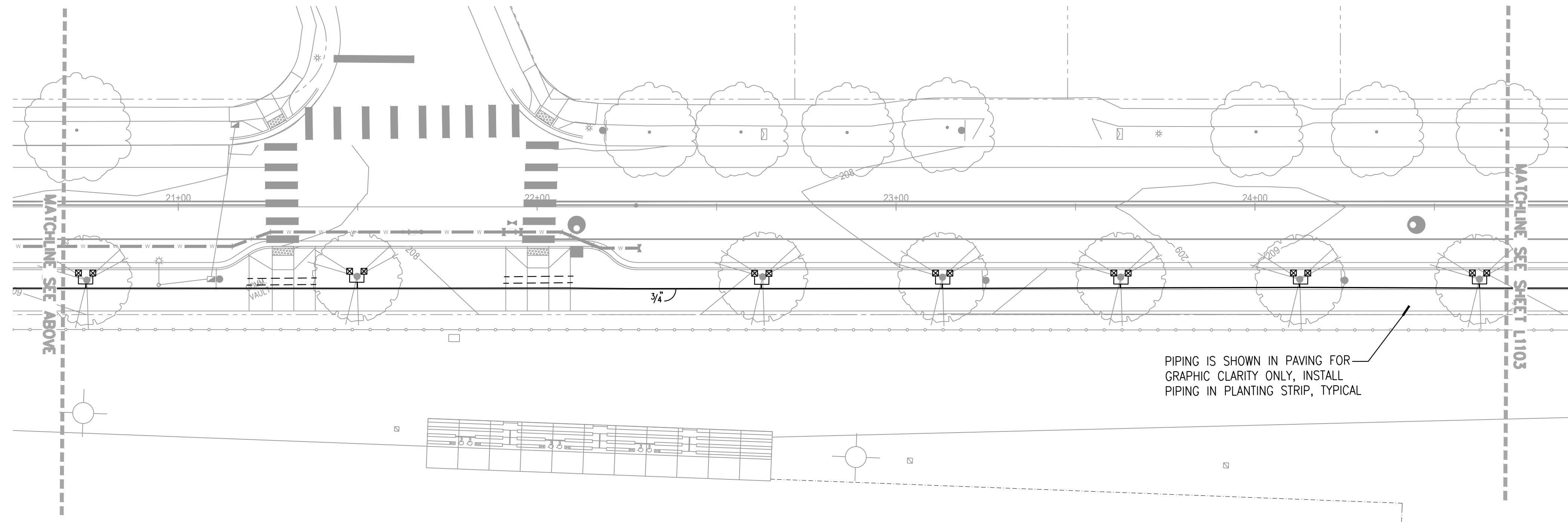
APPROVED

By Erich Lais at 1:30:17 PM, 05/31/2022



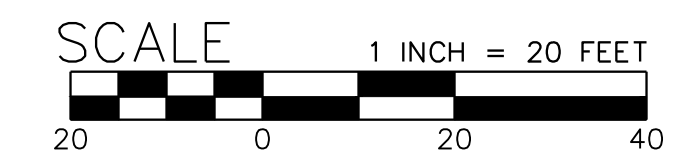
3 PLAN - DOLLAR STREET
SCALE: 1" = 20'

PLAN



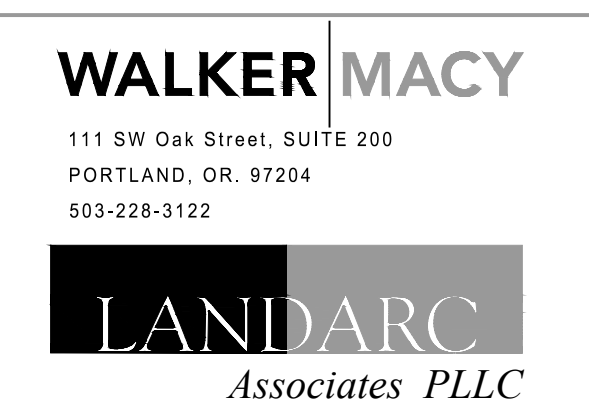
4 PLAN - DOLLAR STREET
SCALE: 1" = 20'

PLAN



File: D:\Data\LA_2020\2014-MM-West_Linn-MS\WalkerMacy\IRRIGATION_OFF-SITE.dwg TAB L 1502
Plotted: 5/24/22 at 8:36am By: Landarc 4
22x34

REVISION	DATE	DESCRIPTION

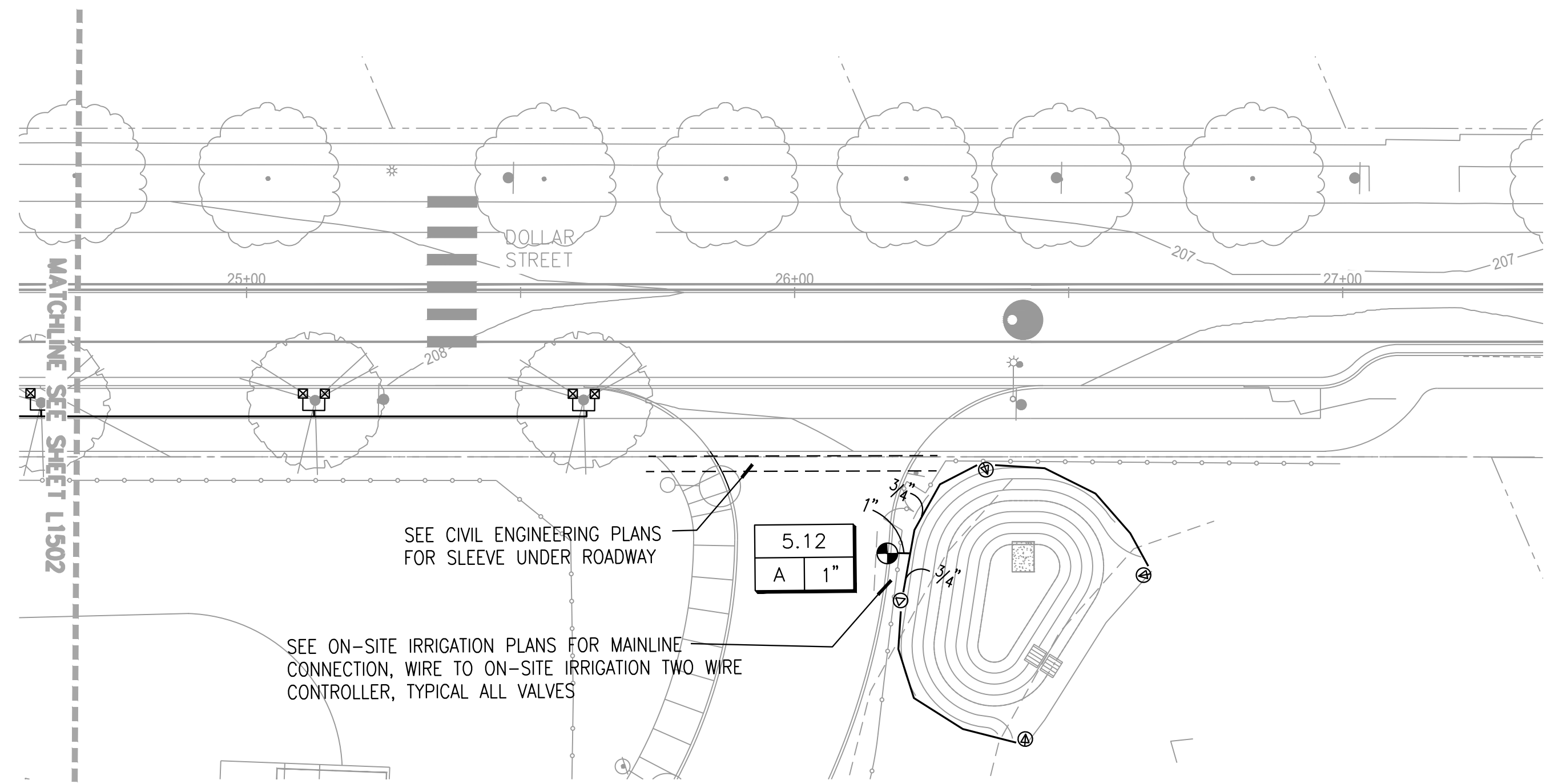


111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

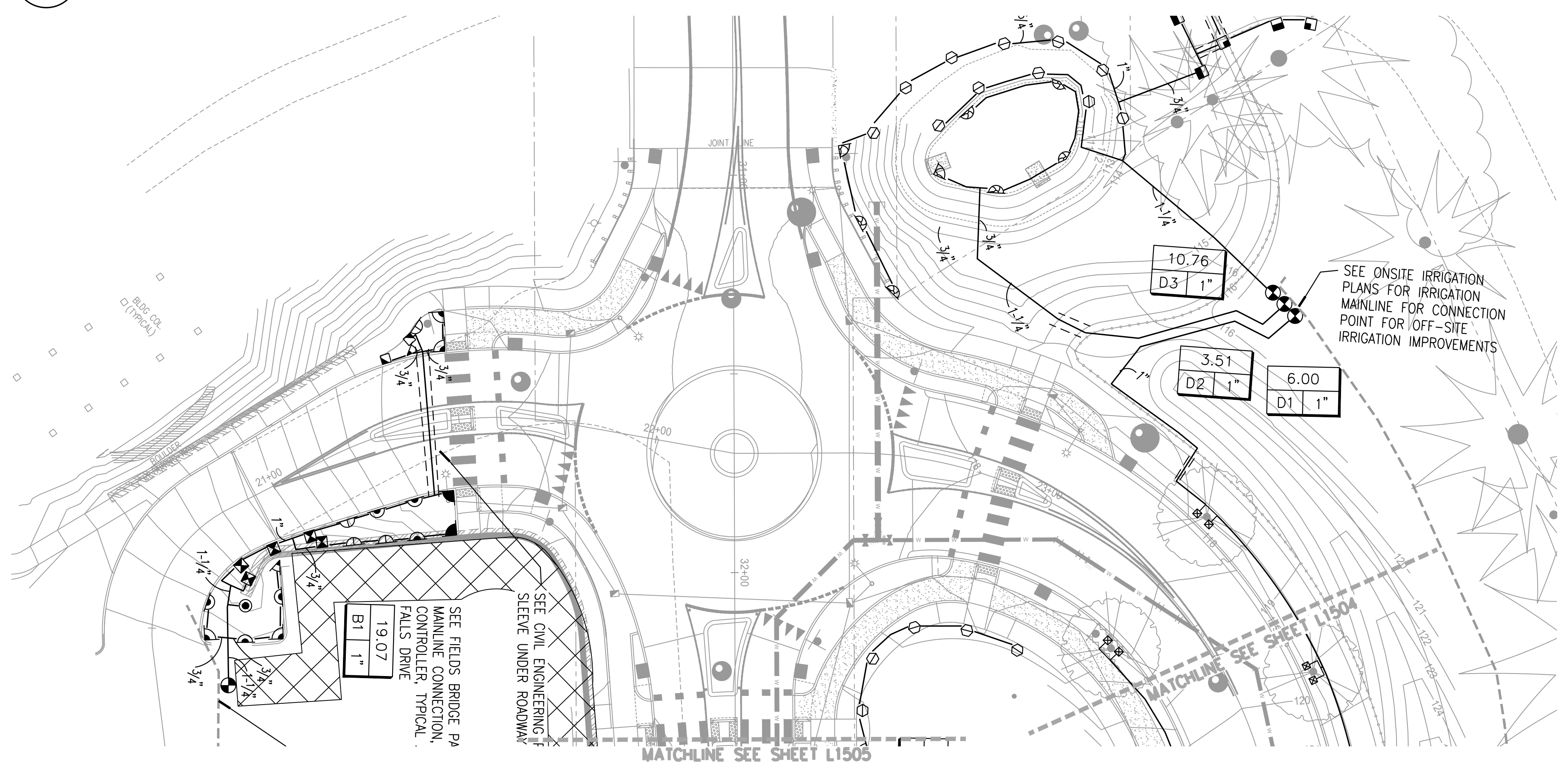
JOB No.:	2000067
DESIGNED BY:	SF
DRAWN BY:	SF
CHECKED BY:	SF
PLOT DATE:	5/24/22 8:36am
PLOTTED BY:	Landarc 4
DWG NAME:	IRRIGATION_OFF-SITE.dwg
TAB NAME:	L1502

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
IRRIGATION PLAN

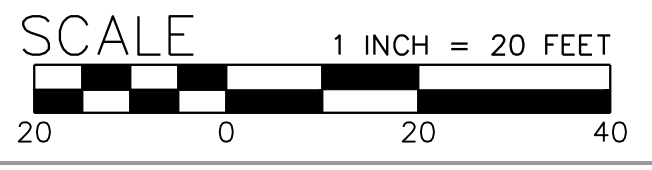
SHEET NO.
L1502
SHEET 117 OF 153
RECORD NO.



5 PLAN - DOLLAR STREET
SCALE: 1" = 20'

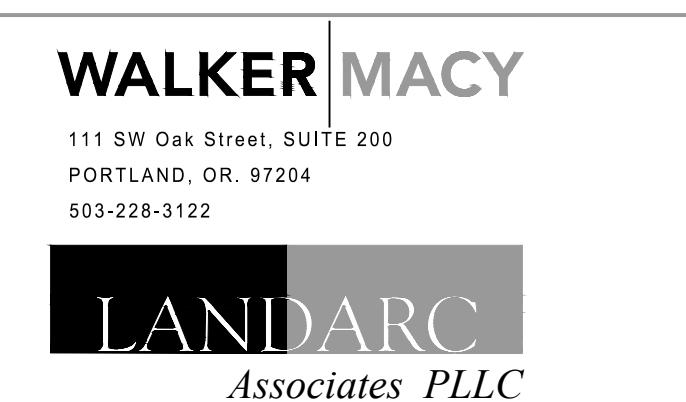
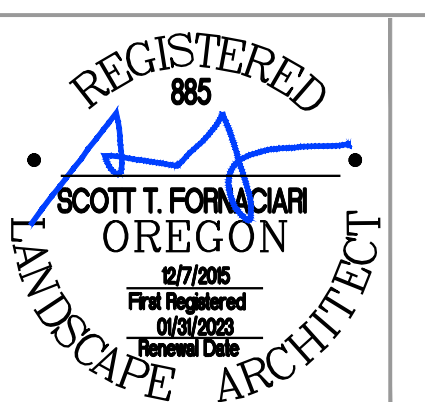


6 PLAN - BRANDON PLACE
SCALE: 1" = 20'



File: D:\Data\LA_2020\2014\MM\West_Lin\MS\WalkerMacy\IRRIGATION_OFF-SITE.dwg TAB.L1503
Plotted: 5/24/22 at 8:36am By: Landarc 4
22x34

REVISION	DATE	DESCRIPTION



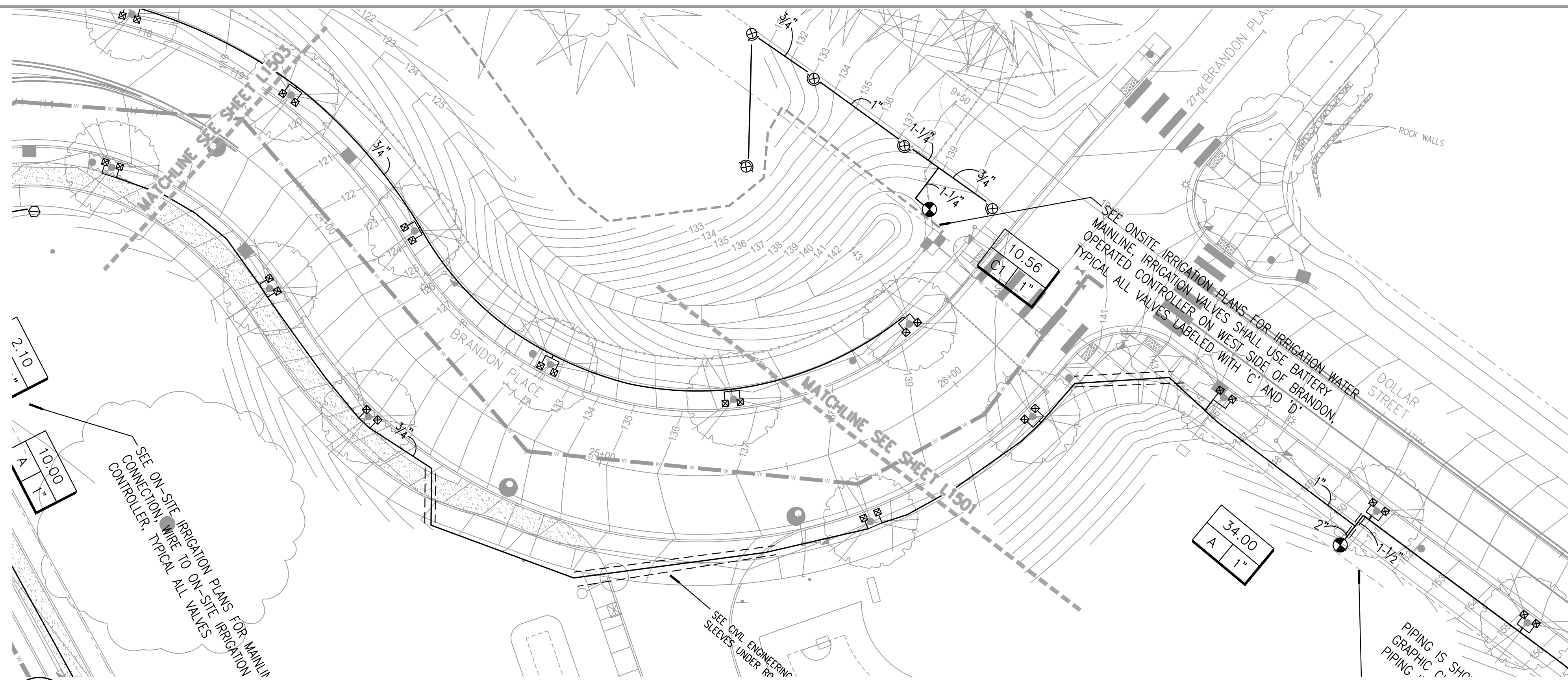
JOB No.:	2000067
DESIGNED BY:	SF
DRAWN BY:	SF
CHECKED BY:	SF
PLOT DATE:	5/24/22 8:36am
PLOTTED BY:	Landarc 4
DWG NAME:	IRRIGATION_OFF-SITE.dwg
TAB NAME:	L1503

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
IRRIGATION PLAN

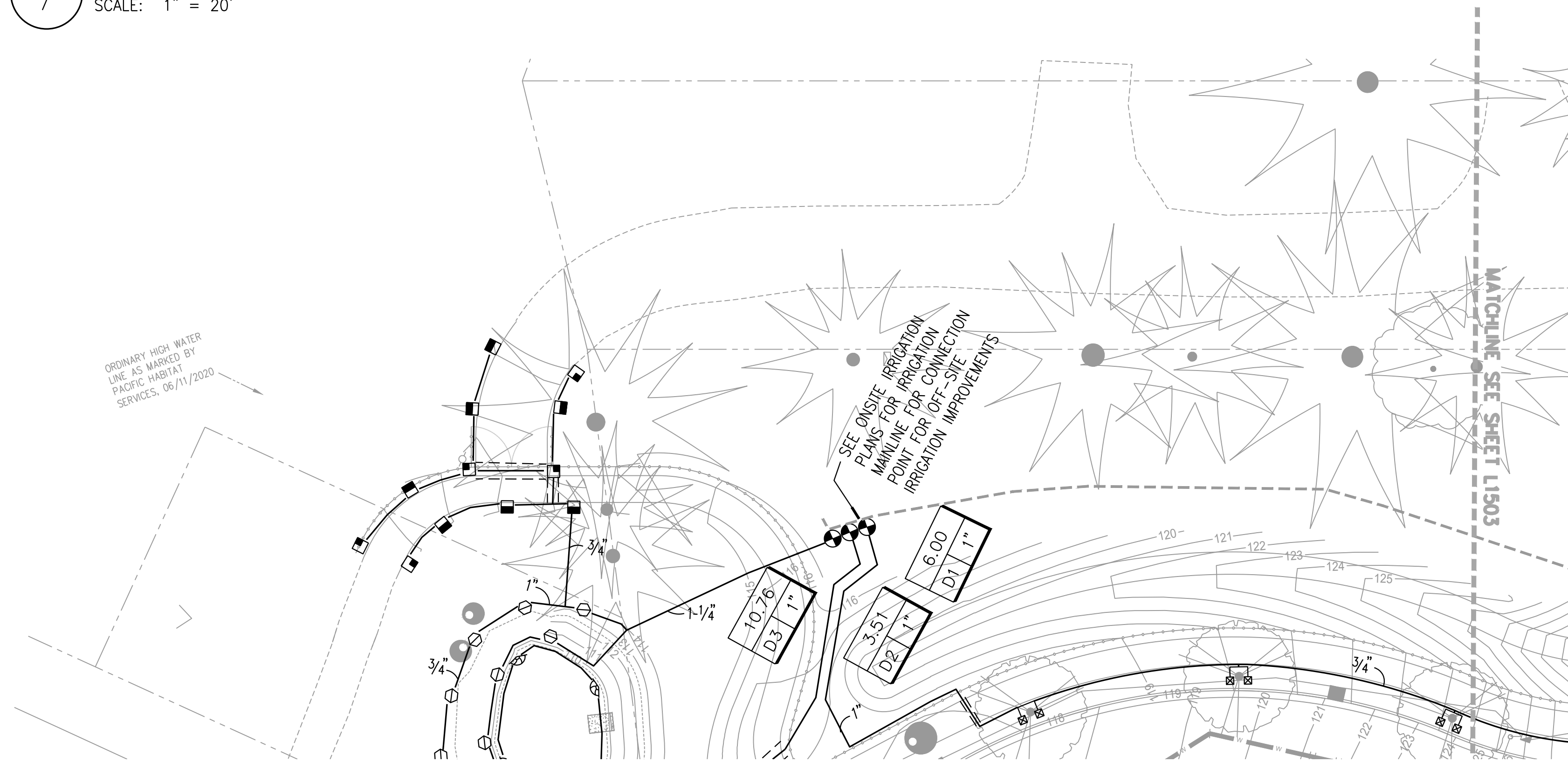
APPROVED

By Erich Lais at 1:30:34 PM, 05/31/2022



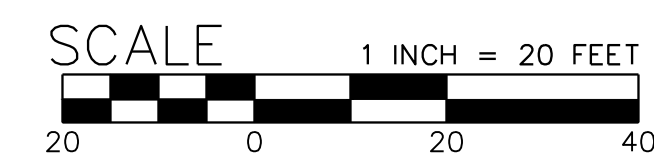
7 PLAN - BRANDON PLACE
SCALE: 1" = 20'

PLAN



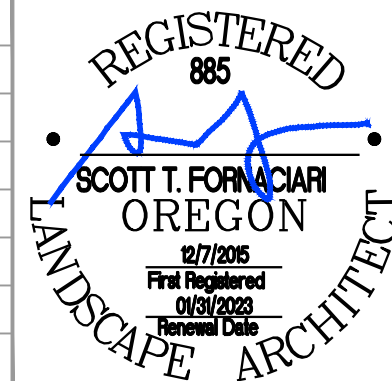
8 PLAN - DOLLAR STREET
SCALE: 1" = 20'

PLAN



File: D:\Data\LA_2020\2014\MM-West_Lin-MS\WalkerMacy\IRRIGATION_OFF-SITE.dwg TAB:L1504
Plotted: 5/24/22 at 8:38am By: Landarc 4
22x34

REVISION	DATE	DESCRIPTION



WALKER MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

LANDARC
Associates PLLC

kpff
111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.:	2000067
DESIGNED BY:	SF
DRAWN BY:	SF
CHECKED BY:	SF
PLOT DATE:	5/24/22 8:38am
PLOTTED BY:	Landarc 4
DWC NAME:	IRRIGATION_OFF-SITE.dwg
TAB NAME:	L1504

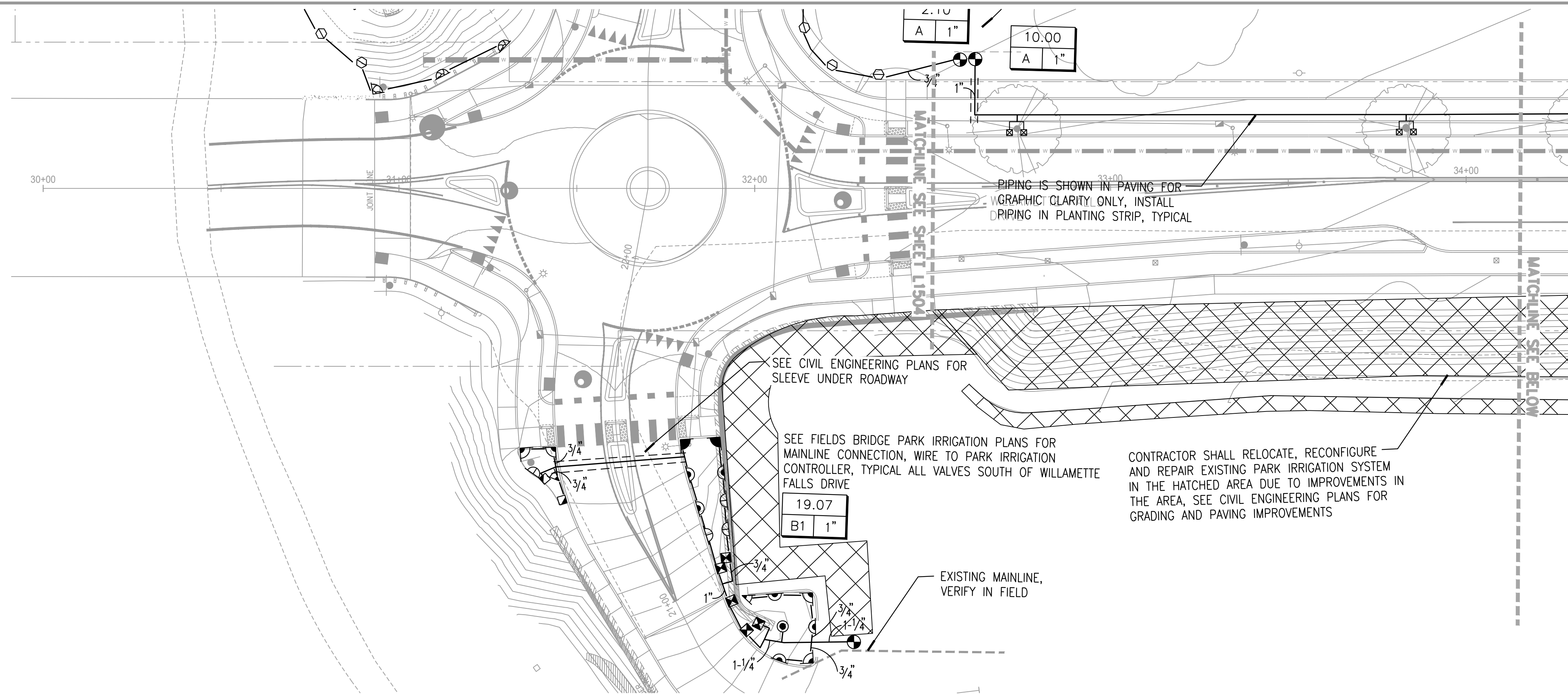
West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
IRRIGATION PLAN

SHEET NO.
L1504
SHEET 119 OF 153
RECORD NO.

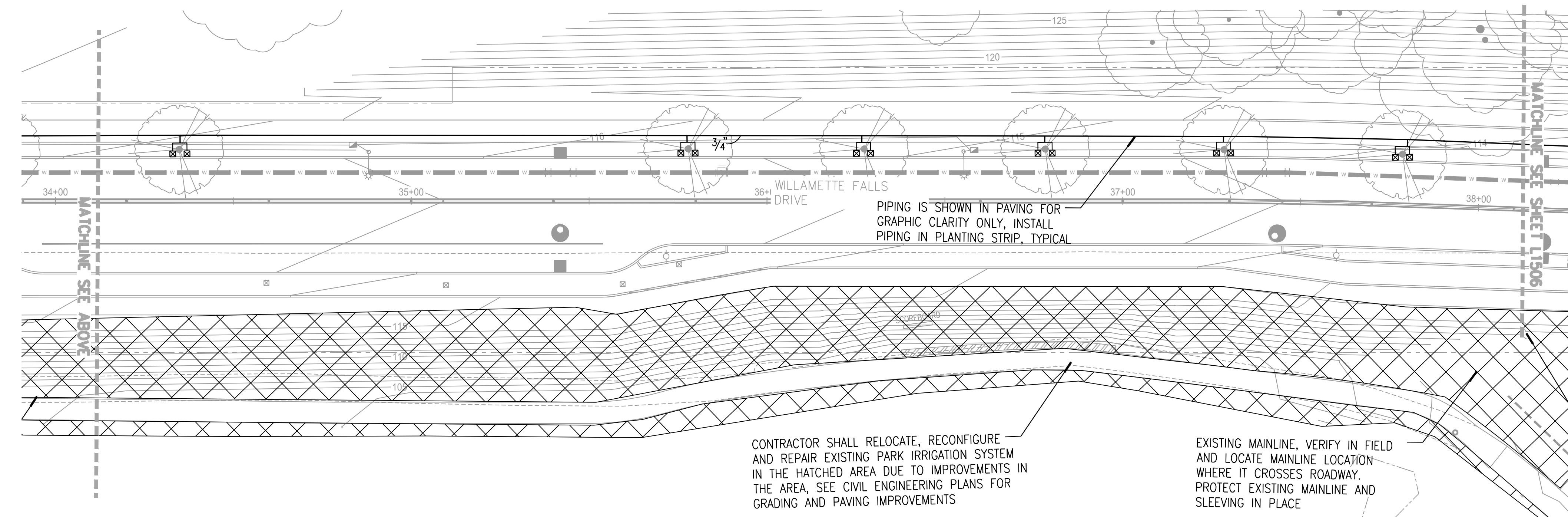
APPROVED

By Erich Lais at 1:30:45 PM, 05/31/2022



9 PLAN - WILLAMETTE DRIVE
SCALE: 1" = 20'

PLAN



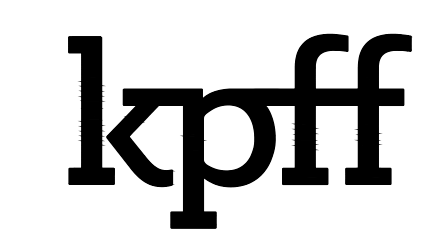
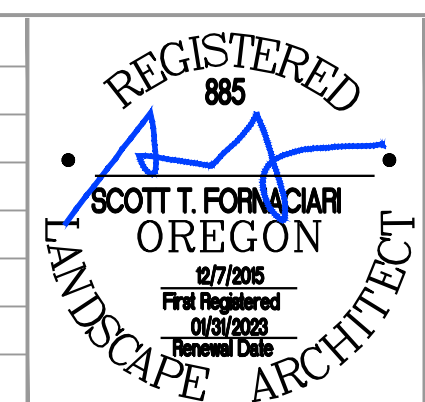
10 PLAN - WILLAMETTE DRIVE
SCALE: 1" = 20'

PLAN



File: D:\Data\LA_2020\2014\MM-West_Lin-MS\WalkerMacy\IRRIGATION_OFF-SITE.dwg TAB L1505
Plotted: 5/24/22 at 8:38am By: Landarc 4
22x34

REVISION	DATE	DESCRIPTION



111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.:	2000067
DESIGNED BY:	SF
DRAWN BY:	SF
CHECKED BY:	SF
PLOT DATE:	5/24/22 8:38am
PLOTTED BY:	Landarc 4
DWG NAME:	IRRIGATION_OFF-SITE.dwg
TAB NAME:	L1505

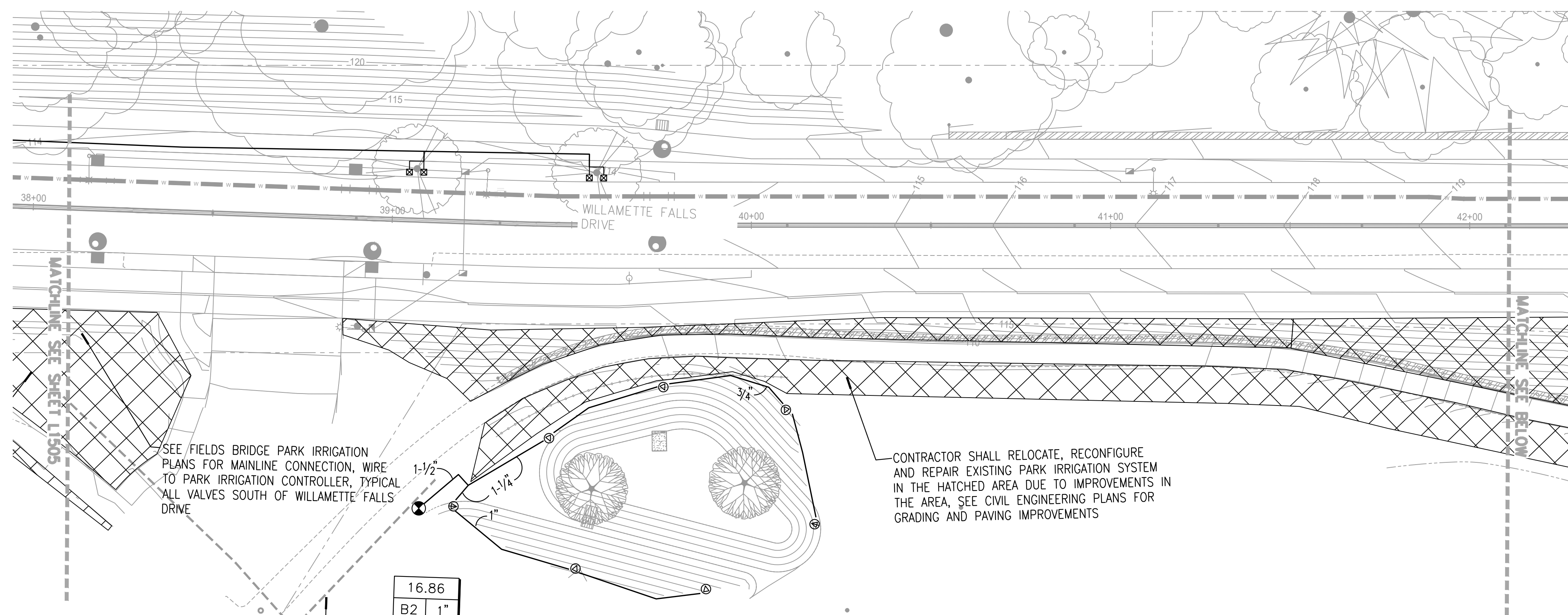
West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
IRRIGATION PLAN

SHEET NO.
L1505
SHEET 120 OF 153
RECORD NO.

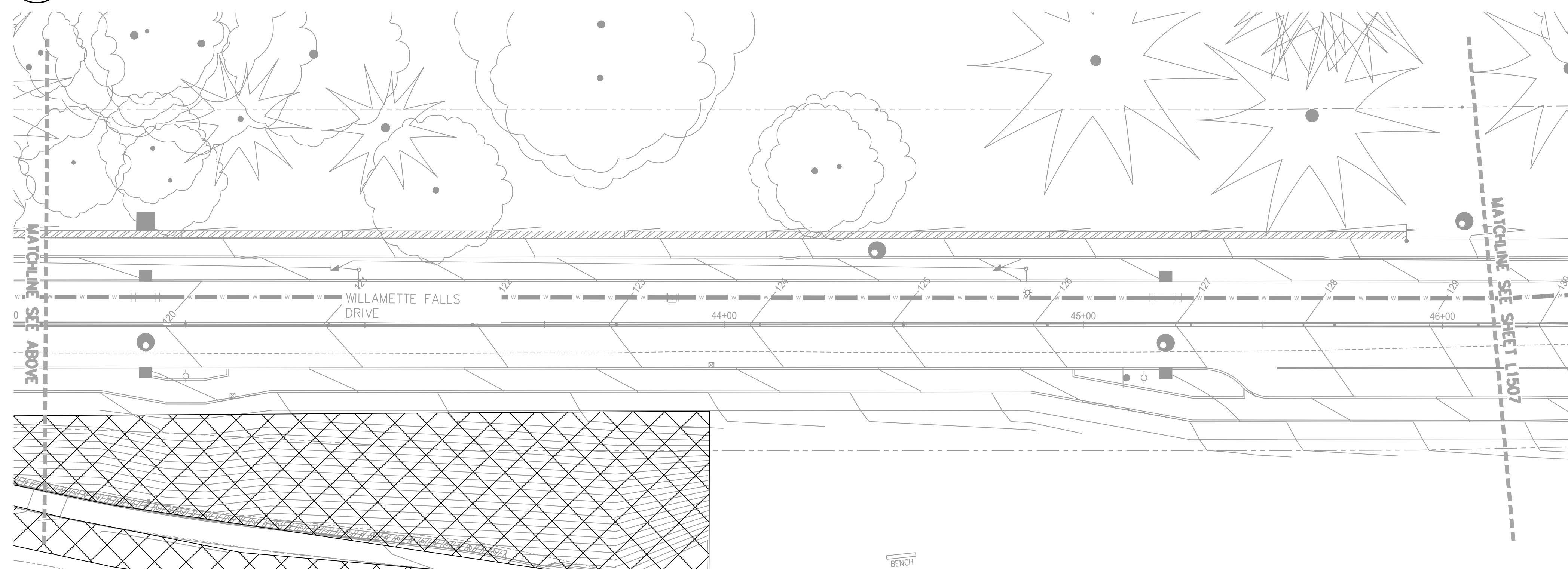
APPROVED

By Erich Lais at 1:30:53 PM, 05/31/2022



11 PLAN – WILLAMETTE DRIVE
SCALE: 1" = 20'

PLAN



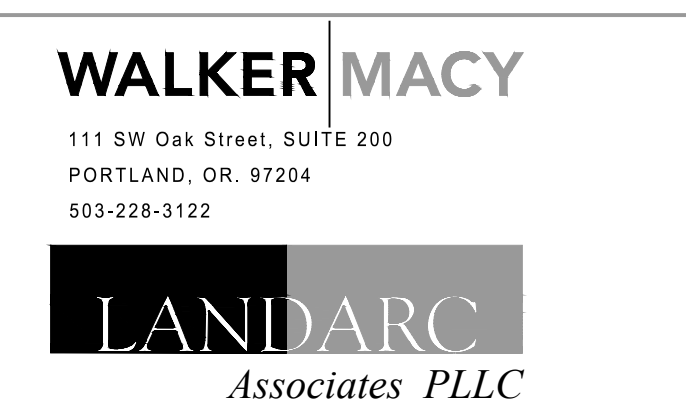
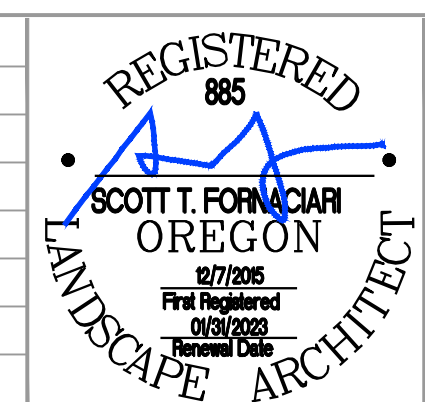
12 PLAN – WILLAMETTE DRIVE
SCALE: 1" = 20'

PLAN



File: D:\Data\LA_2020\2014-MM-West_Linn-MS\walker-macy\IRRIGATION_OFF-SITE.dwg TAB:L1506
Plotted: 5/24/22 at 8:39am By: Landarc 4
22x34

REVISION	DATE	DESCRIPTION



JOB No.:	2000067
DESIGNED BY:	SF
DRAWN BY:	SF
CHECKED BY:	SF
PLOT DATE:	5/24/22 8:39am
PLOTTED BY:	Landarc 4
DWG NAME:	IRRIGATION_OFF-SITE.dwg
TAB NAME:	L1506

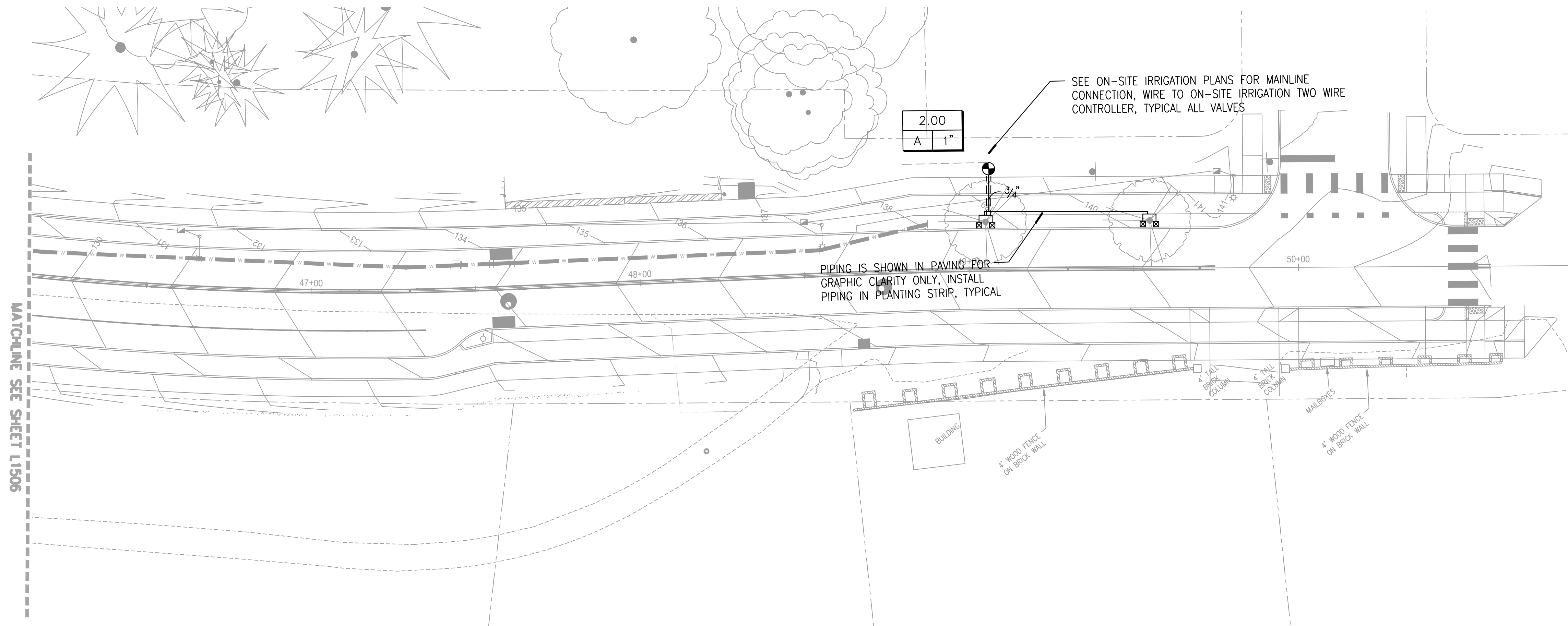
West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
IRRIGATION PLAN

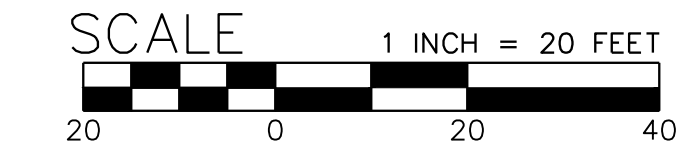
SHEET NO.
L1506
SHEET 121 OF 153
RECORD NO.

APPROVED

By Erich Lais at 1:31:07 PM, 05/31/2022

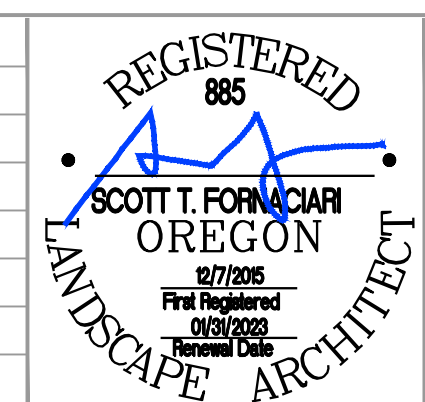


13 PLAN - WILLAMETTE DRIVE
SCALE: 1" = 20'



File: D:\Data\LA_2020\2014\MM\West_Lin-MM\WalkerMacy\IRRIGATION_OFF-SITE.dwg TAB:L1507
 Plotted: 5/24/22 at 8:39am By: Landarc 4
 22x34

REVISION	DATE	DESCRIPTION



WALKER MACY
 111 SW Oak Street, SUITE 200
 PORTLAND, OR. 97204
 503-228-3122

LANDARC
 Associates PLLC

kpff

111 SW Fifth Ave., Suite 2600
 Portland, OR 97204
 O: 503.542.3860
 F: 503.224.4681
 www.kpff.com

JOB No.:	2000067
DESIGNED BY:	SF
DRAWN BY:	SF
CHECKED BY:	SF
PLOT DATE:	5/24/22 8:39am
PLOTTED BY:	Landarc 4
DWG NAME:	IRRIGATION_OFF-SITE.dwg
TAB NAME:	L1507

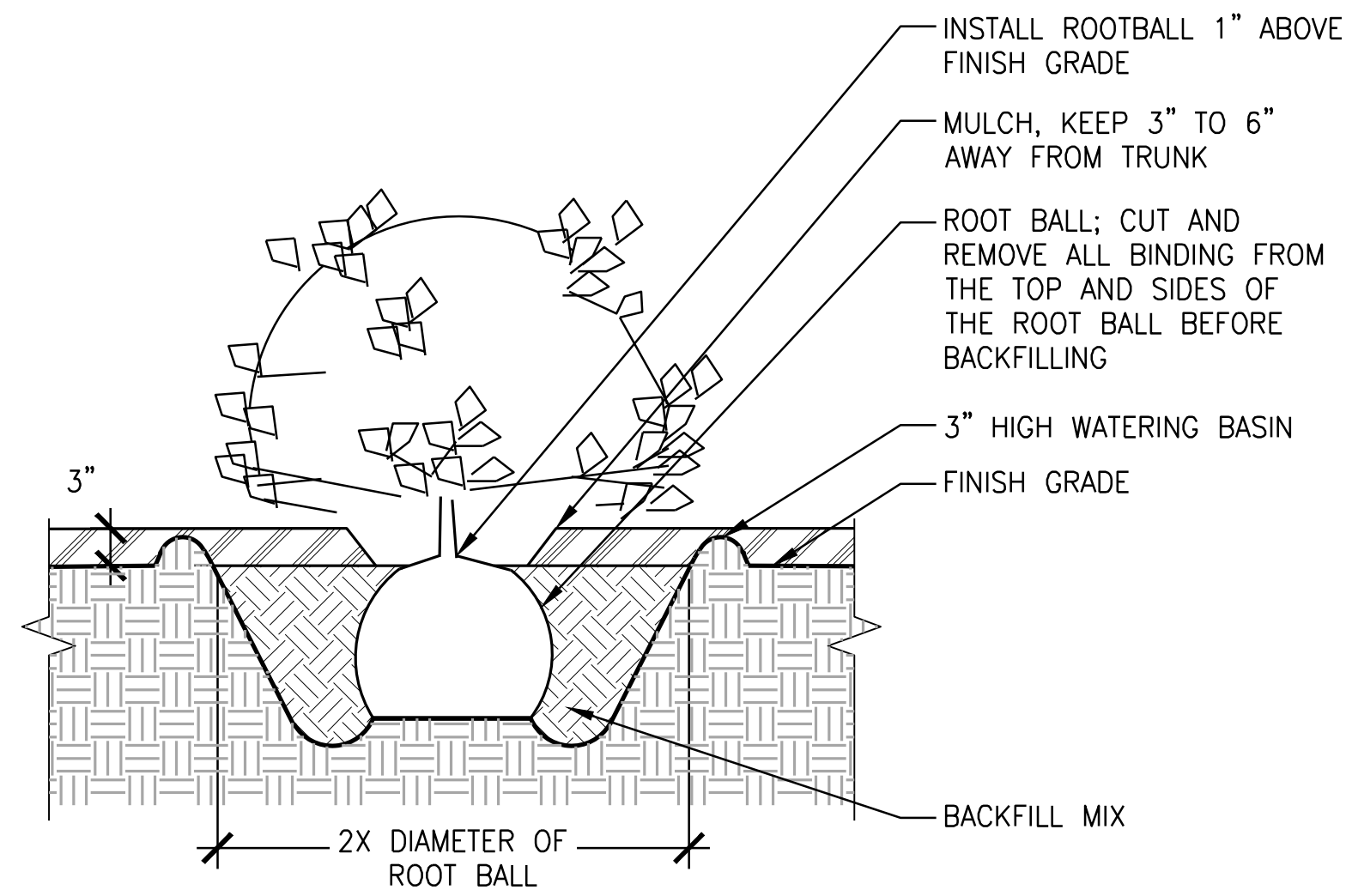
West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 IRRIGATION PLAN

SHEET NO.	L1507
SHEET	122 OF 153
RECORD NO.	

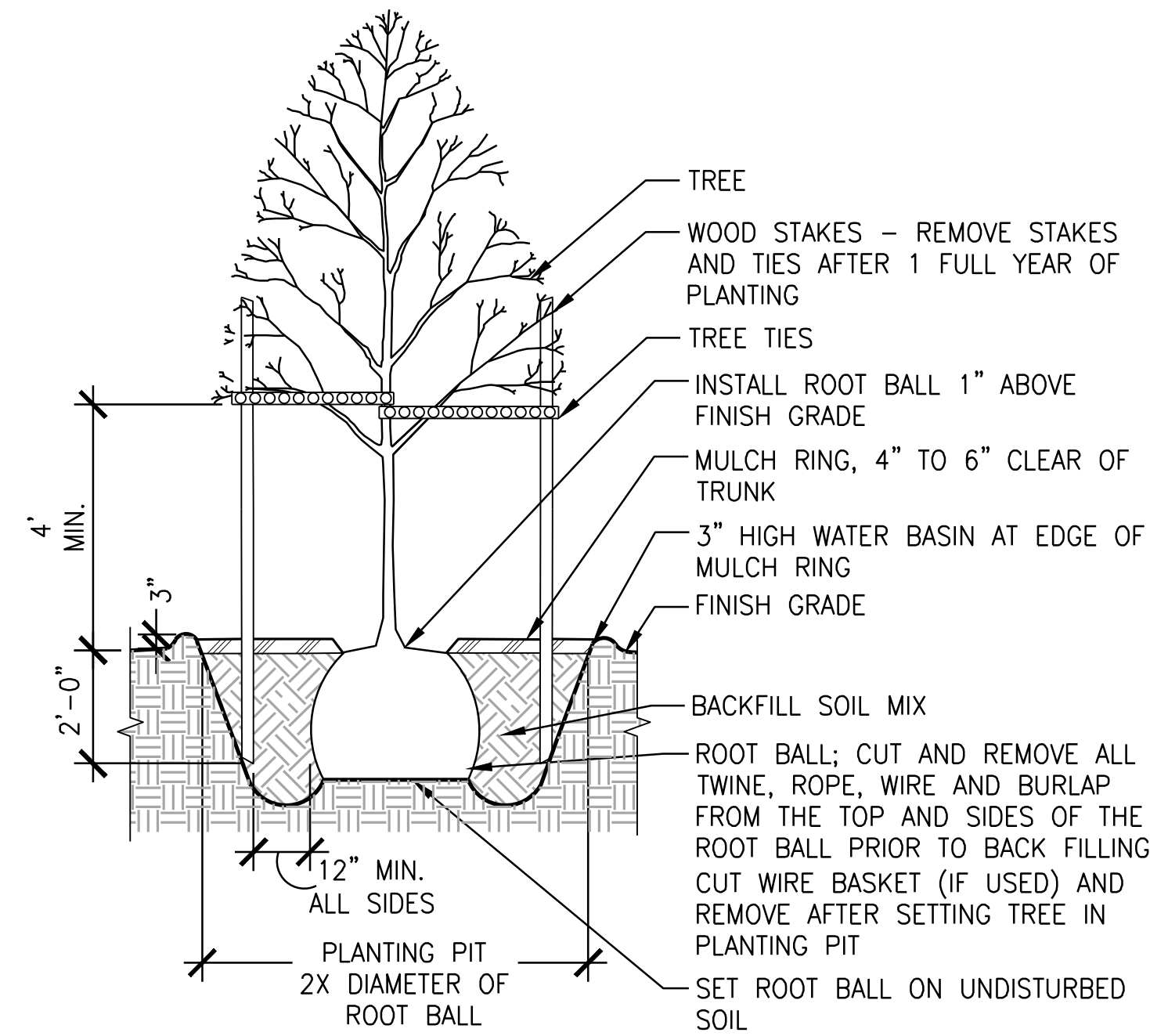
APPROVED

By Erich Lais at 1:31:15 PM, 05/31/2022



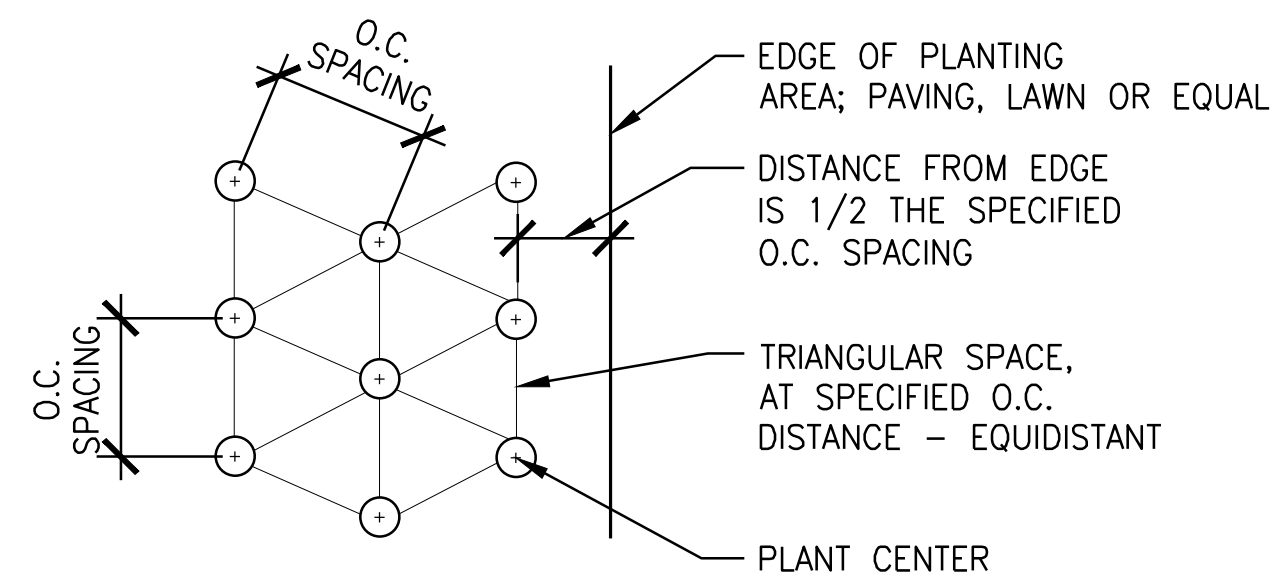
3 SHRUB & GROUND COVER PLANTING
 SCALE: 3/4" = 1'-0"

SECTION



1 DECIDUOUS TREE PLANTING
 SCALE: 3/8" = 1'-0"

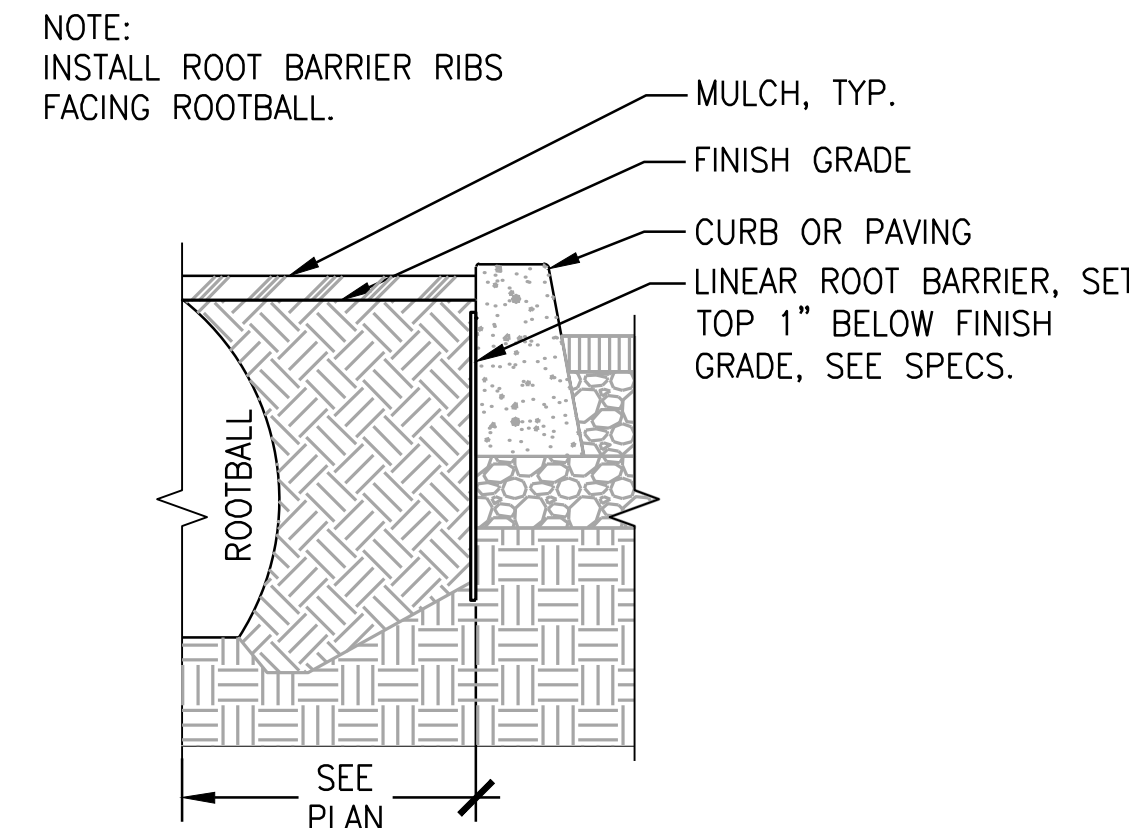
SECTION



NOTE:
 - SEE PLANT SCHEDULE FOR EACH PLANT'S APPROPRIATE O.C. SPACING.
 - PLANTING PLAN SHOWING INDIVIDUAL LOCATION OF A SHRUB AND OR GROUND COVER TAKE PRECEDENT OVER THIS DETAIL.

4 SHRUB & GROUND COVER TRIANGULAR SPACING
 SCALE: 3/4" = 1'-0"

SECTION

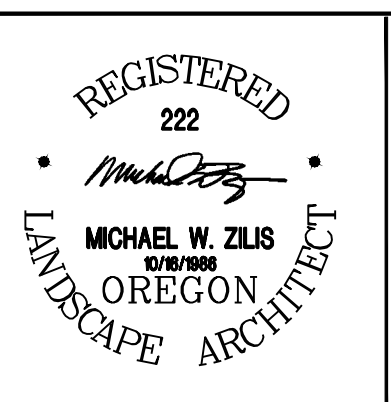


2 ROOT BARRIER
 SCALE: 3/4" = 1'-0"

SECTION

File: F:\WORK\3651_03 West Linn MS\Draw\Plus\OFF SITE WORK\3651_03 DETAILS.dwg, TAB: L1601
 Plotted: 5/24/22 at 11:44am By: wmorales
 22x34

REVISION	DATE	DESCRIPTION

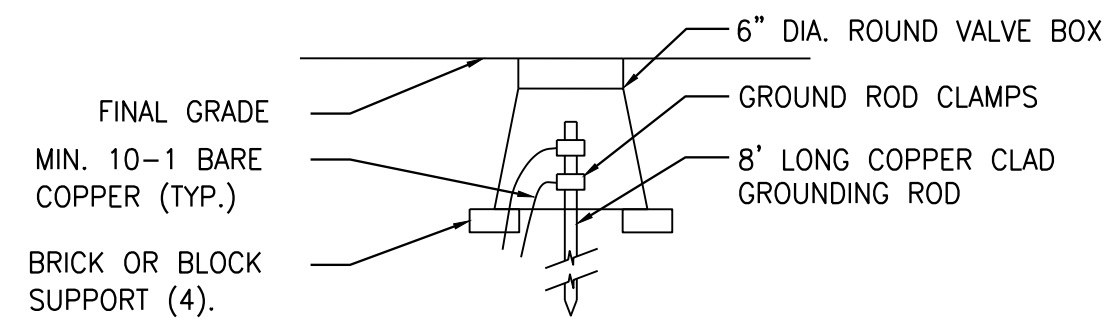


JOB No.:	2000067
DESIGNED BY:	IH / WM
DRAWN BY:	WM
CHECKED BY:	IH
PLOT DATE:	5/24/22 11:44am
PLOTTED BY:	wmorales
DWG NAME:	P3651_03 DETAIL.S.dwg
TAB NAME:	L1601

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 PLANTING DETAILS

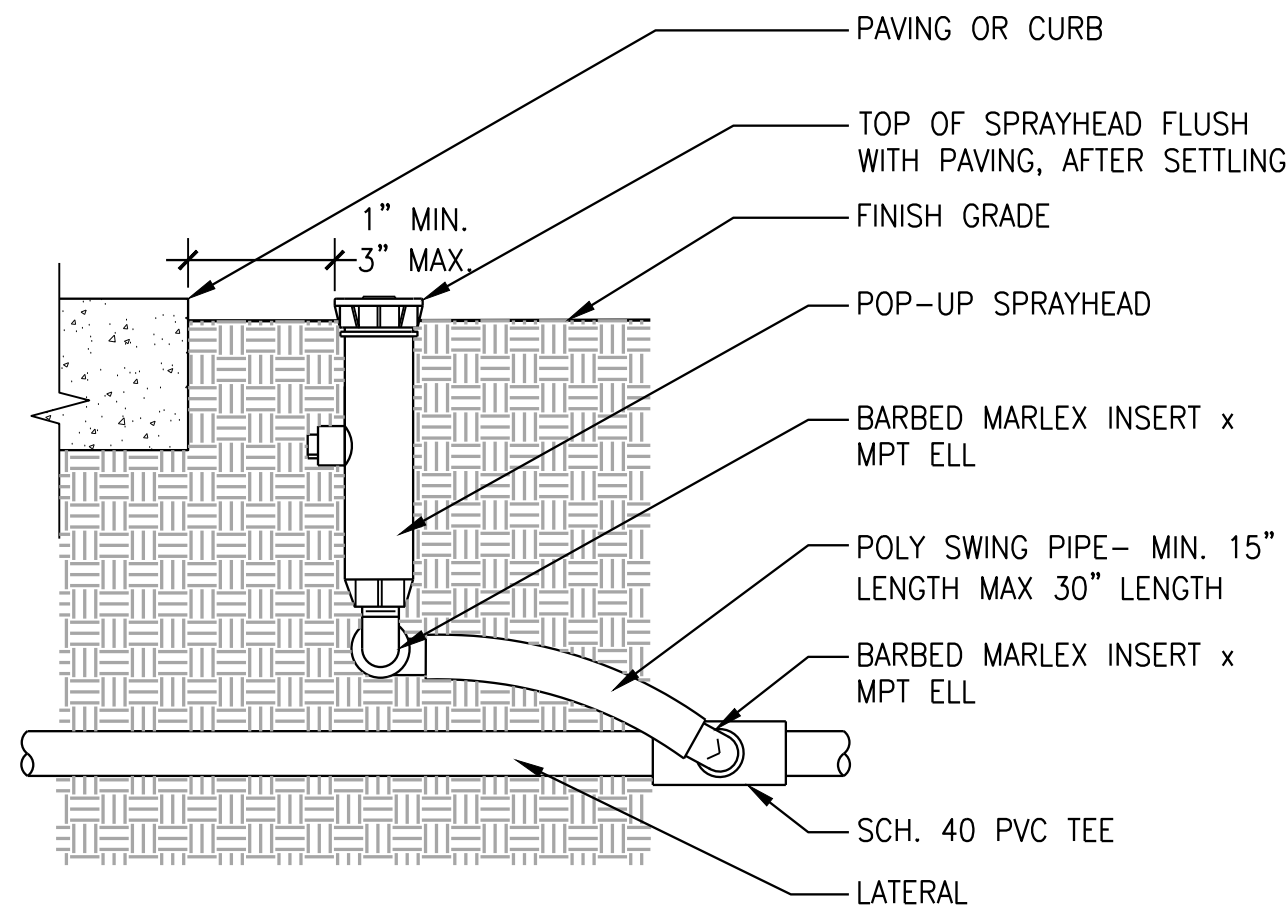
SHEET NO. L1601
 SHEET 123 OF 153
 RECORD NO.

APPROVED
By Erich Lais at 1:31:26 PM, 05/31/2022

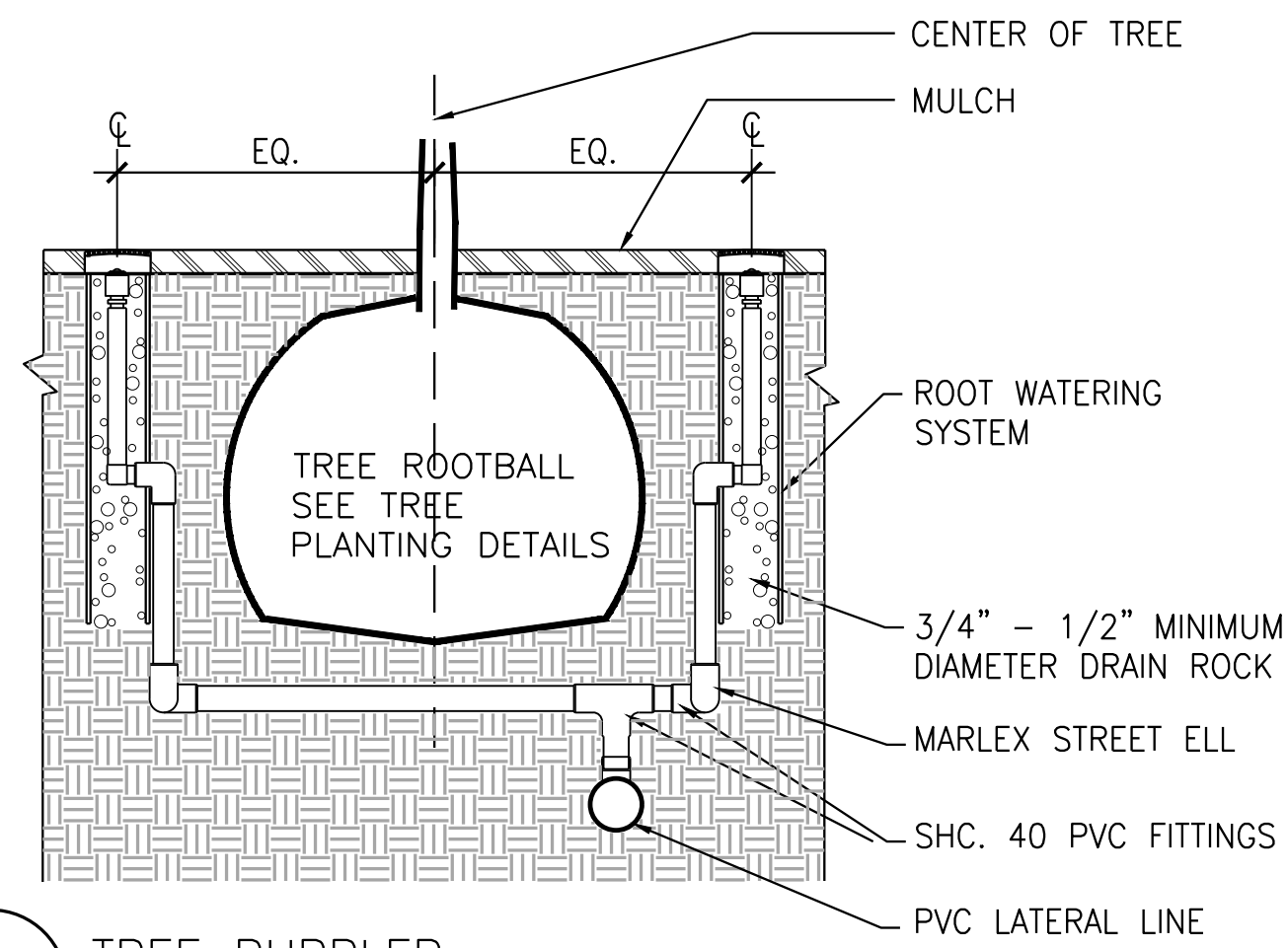


NOTE: INSTALL GROUND ROD ASSEMBLY AS REQUIRED BY CONTROLLER COMPANY FOR TWO-WIRE DECODERS.

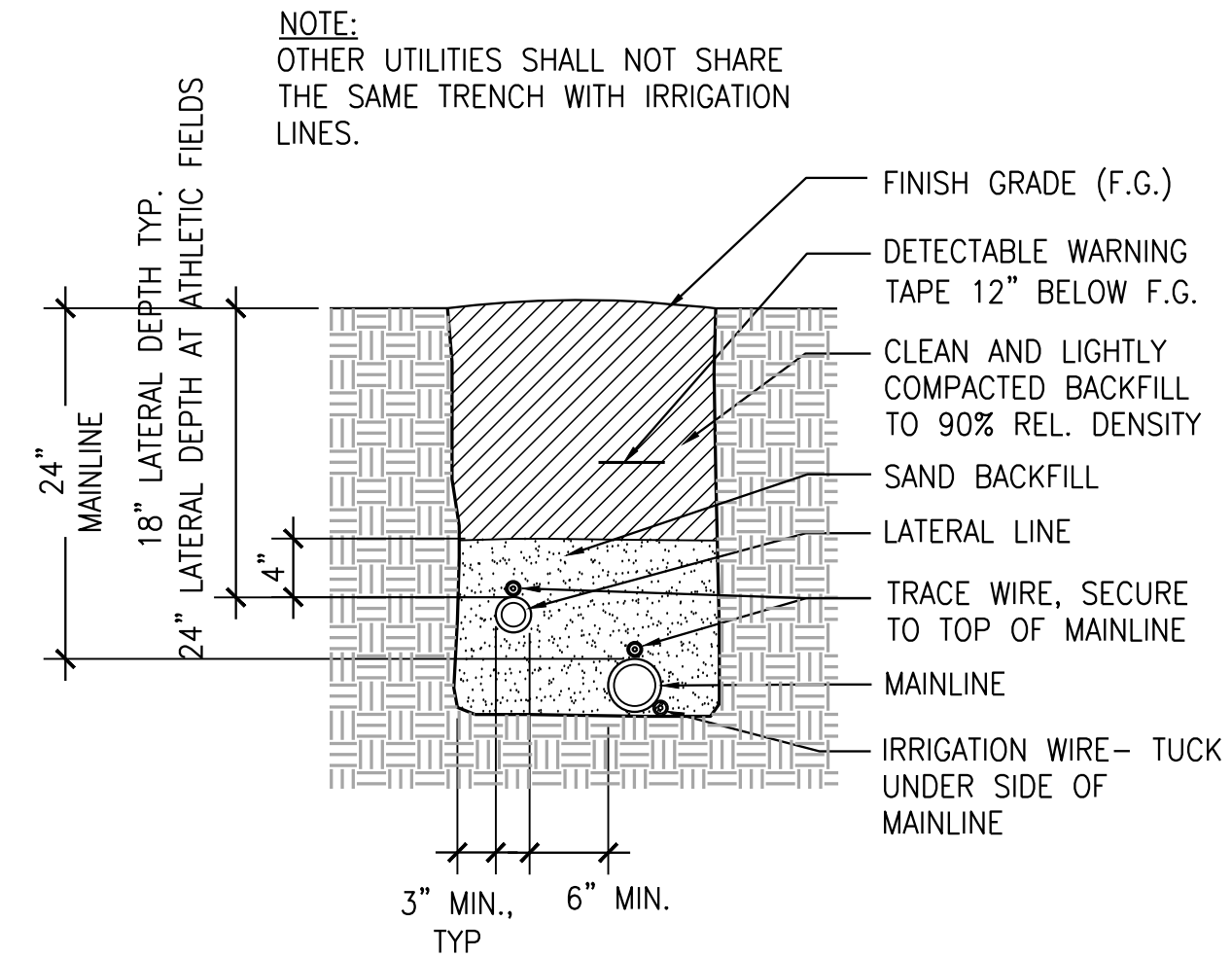
6 GROUND ROD SECTION



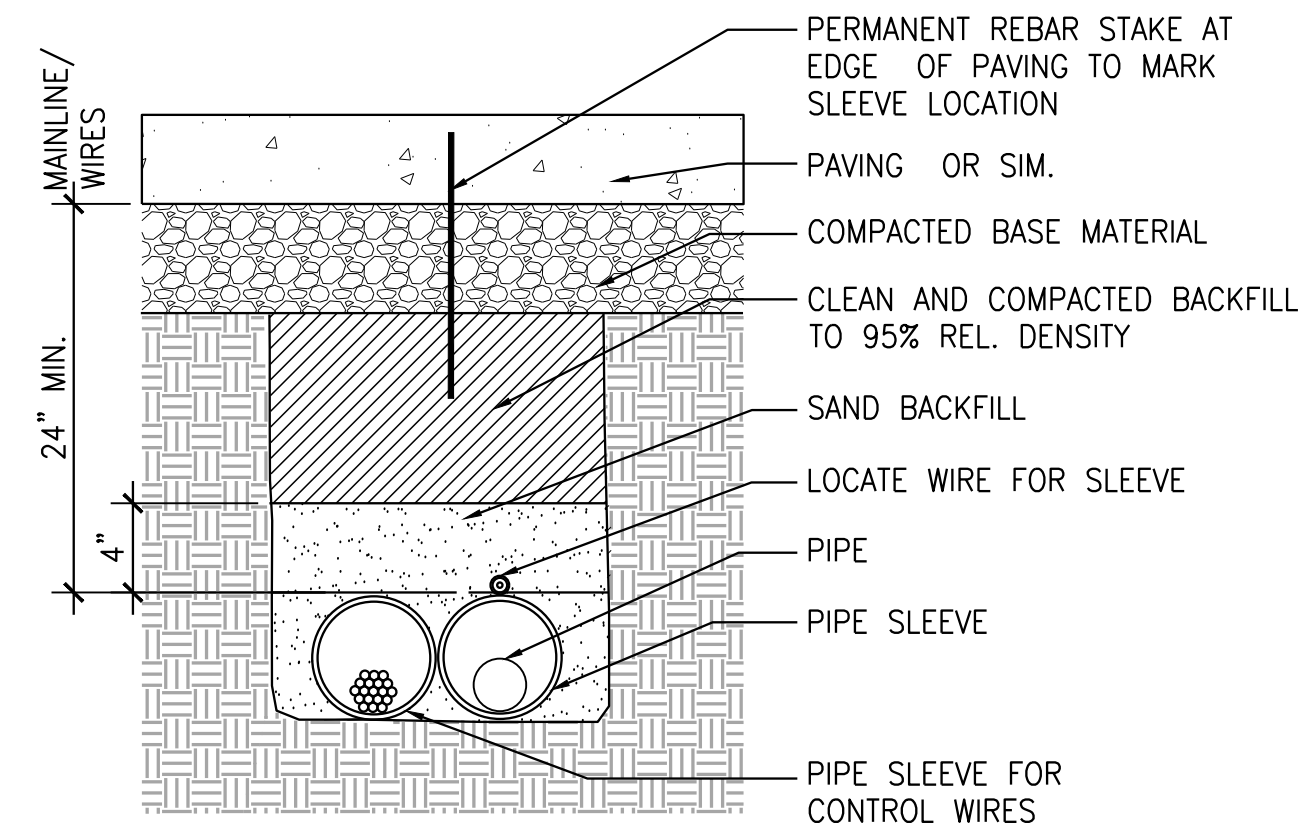
7 SPRAY HEAD SECTION
SCALE: 1/2" = 1'-0"



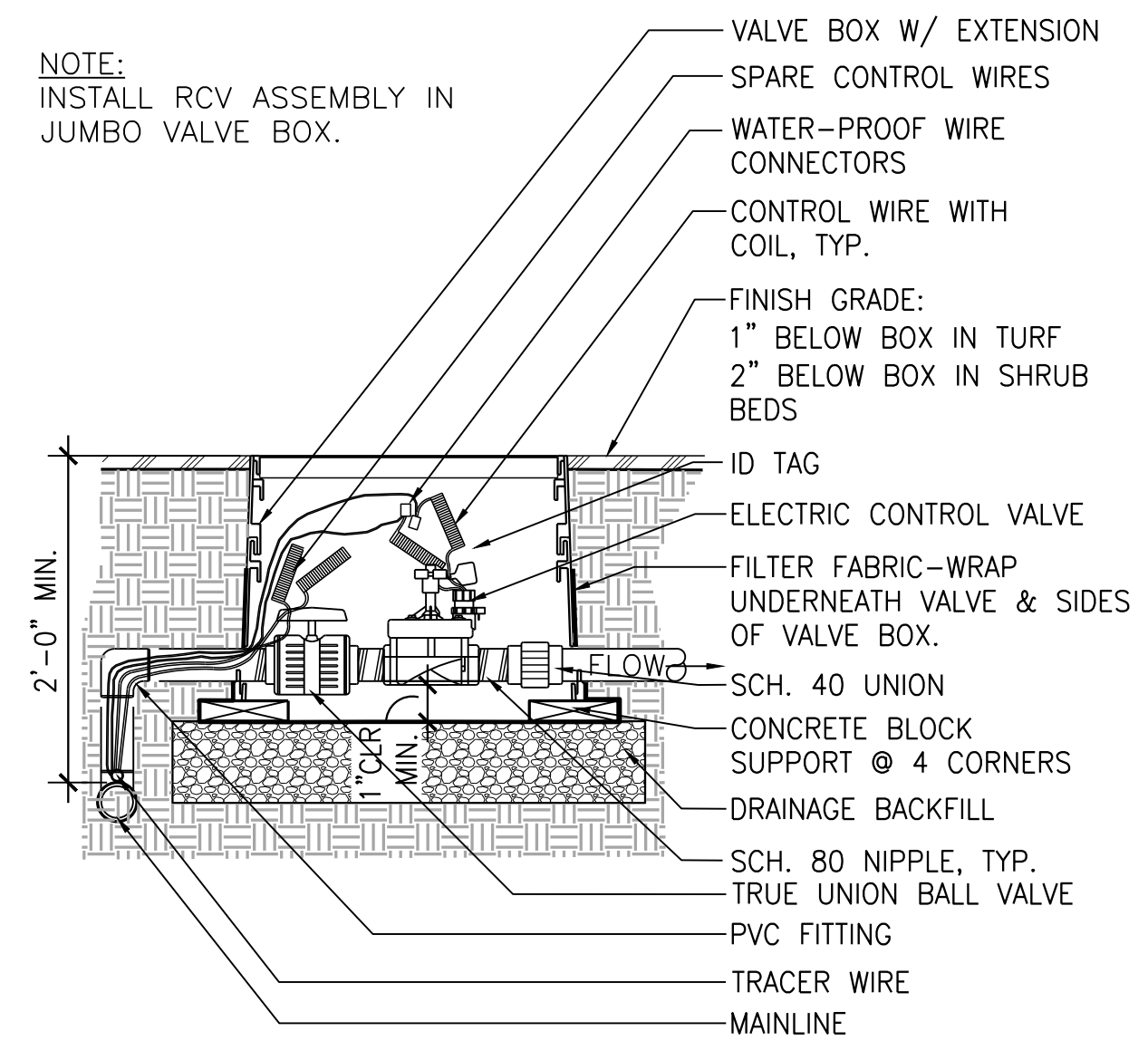
3 TREE BUBBLER SECTION
SCALE: 3/4" = 1'-0"



1 PIPE TRENCH SECTION
SCALE: 3/4" = 1'-0"

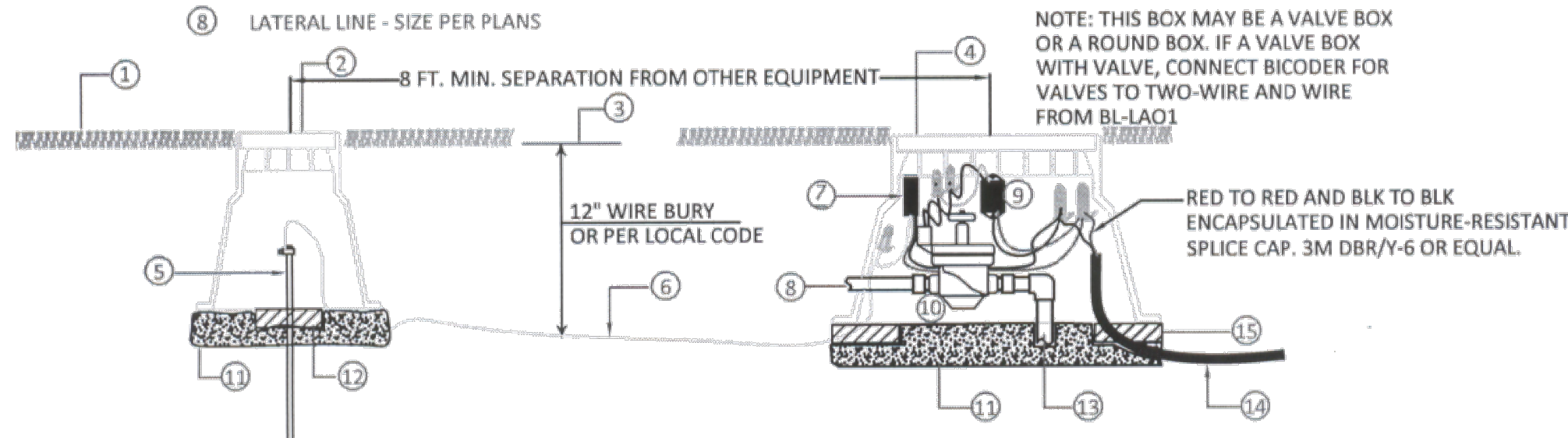


4 PIPE SLEEVE AT PEDESTRIAN PAVING SECTION
SCALE: 1" = 1'-0"

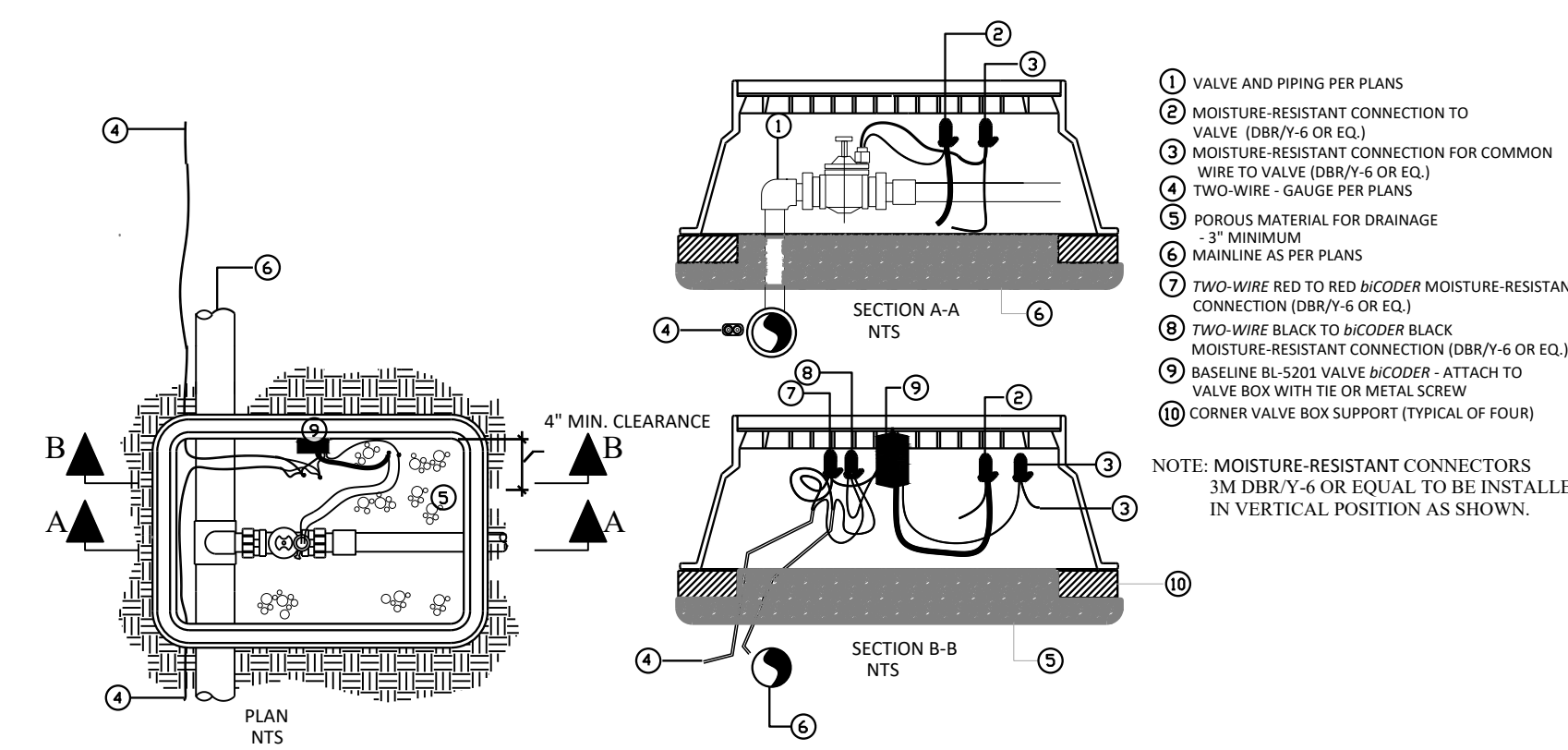


2 REMOTE CONTROL VALVE SECTION
SCALE: 3/4" = 1'-0"

- 1 LAWN OR SURFACE TREATMENT
- 2 6" JUNCTION BOX
- 3 FINISHED GRADE
- 4 RECTANGULAR STANDARD OR JUMBO VALVE BOX
- 5 8' GROUNDING ROD INSTALL PER CODE
- 6 #8 AWG SOLID BARE CU WIRE OR PER LOCAL CODE
- 7 BL-LA01 BASELINE LIGHTNING ARRESTOR
- 8 LATERAL LINE - SIZE PER PLANS
- 9 BASE LINE - biCODER
- 10 24 VOLT REMOTE CONTROL VALVE
- 11 GRANULAR DRAINAGE MATERIAL - 2" MINIMUM DEPTH
- 12 SUPPORT BLOCK - 2 REQUIRED
- 13 PRESSURE LINE - SIZE AS PER PLANS
- 14 TWO-WIRE - GAUGE AS PER PLAN
- 15 SUPPORT BLOCK AT EACH CORNER - 4 REQUIRED

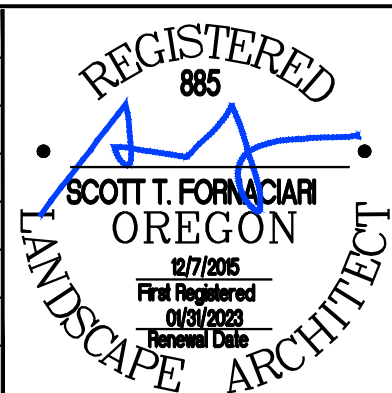


8 TWO-WIRE LIGHTENING ARRESTOR / TERMINATION SECTION



5 TWO WIRE CONNECTION AT VALVE SECTION
SCALE: NONE

File: D:\D\01\LA_2020\2014\MM\West_Linn_MS\Irrigation_Details - Offsite\Details-Irrigation_Sheet.dwg TAB.L1602
Ploher: 5/24/22 at 10:18am By: Landarc4
22-34



WALKER MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR 97204
503-228-3122

LANDARC
Associates PLLC

kpff
111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.: 2000067
DESIGNED BY: SF
DRAWN BY: SF
CHECKED BY: SF
PLOT DATE: 5/24/22 10:18am
PLOTTED BY: Landarc 4
DWG NAME: Details-Irrigation Sheet.dwg
TAB NAME: L1602

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
IRRIGATION DETAILS

SHEET NO.
L1602
SHEET 124 OF 153
RECORD NO.

TEMPORARY TRAFFIC CONTROL NARRATIVE

WILLAMETTE FALLS DRIVE

PHASE 1 - CONSTRUCT TEMPORARY WIDENING ON THE SOUTH SIDE OF WILLAMETTE FALLS DRIVE TO CREATE SUFFICIENT WIDTH FOR TRAFFIC IN SUBSEQUENT STAGES. THIS WORK WILL BE PERFORMED UNDER TWO-WAY, ONE LANE FLAGGED TRAFFIC CONTROL AT NIGHT (7:00 PM TO 7:00 AM). SEE SHEET TC02 FOR DETAILS. PEDESTRIANS WILL BE DIRECTED TO USE THE EXISTING PATH ON THE SOUTH SIDE OF WILLAMETTE FALLS DRIVE.

PHASE 2 - THE NORTH SIDE FRONTAGE IMPROVEMENTS ON WILLAMETTE FALLS DRIVE INCLUDING THE NORTH SIDE OF THE ROUNDABOUT AT BRANDON PLACE WILL BE CONSTRUCTED DURING THIS STAGE (WITH THE EXCEPTION OF THE CENTER ISLANDS). NIGHTTIME WORK (7:00 PM TO 7:00 AM) WILL BE USED FOR THE MAJORITY OF THE PHASE AND TRAFFIC SHALL BE UNDER TWO-WAY, ONE LANE FLAGGED TRAFFIC CONTROL. DAY TIME WORK (7:00 AM TO 7:00 PM) WILL BE ALLOWED WITH SHOULDER CLOSURES AND TWO-LANE, TWO-WAY TRAFFIC SHALL BE MAINTAINED DURING PEAK COMMUTE PERIODS. IMPROVEMENTS ON THE NORTH SIDE OF EPPERLY WAY WILL BE CONSTRUCTED DURING THIS STAGE. THE WEST ACCESS TO EPPERLY WAY WILL BE CLOSED DURING THIS STAGE. SEE SHEET TC03 FOR DETAILS. PEDESTRIANS WILL BE DIRECTED TO USE THE EXISTING PATH ON THE SOUTH SIDE OF WILLAMETTE FALLS DRIVE.

PHASE 3 - THE PROPOSED IMPROVEMENTS FOR THE SOUTH SIDE OF WILLAMETTE FALLS DRIVE WILL BE CONSTRUCTED AND THE REMAINDER OF THE ROUNDABOUT (WITH THE EXCEPTION OF THE CENTER ISLANDS). TRAFFIC WILL BE IN A TWO-WAY, TWO-LANE CONFIGURATION AT ALL TIMES AND SHOULDER CLOSURES AND THE WIDENED PAVEMENT WILL BE USED FOR THE WORK ZONE. THE ROUNDABOUT CENTER ISLAND AND APPROACH ISLANDS WOULD BE THE FINAL ROADWAY TASK AS PART OF THIS STAGE. ONE ACCESS TO THE PARK SHALL BE OPEN DURING CONSTRUCTION. SEE SHEET TC04 FOR DETAILS. PEDESTRIANS WILL BE DIRECTED TO USE THE NEW SIDEWALK ON THE NORTH SIDE OF WILLAMETTE FALLS DRIVE AND ACCESS TO THE PARK WILL BE MAINTAINED.




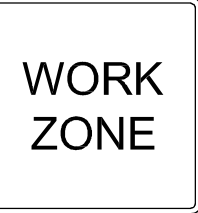
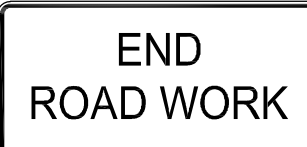
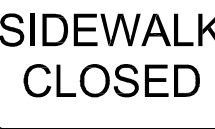
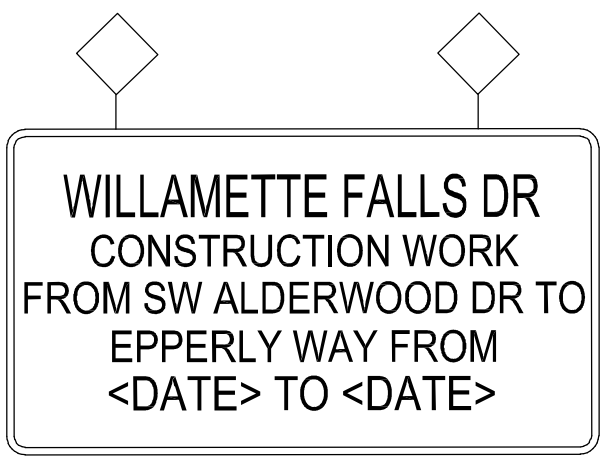
DOLLAR STREET

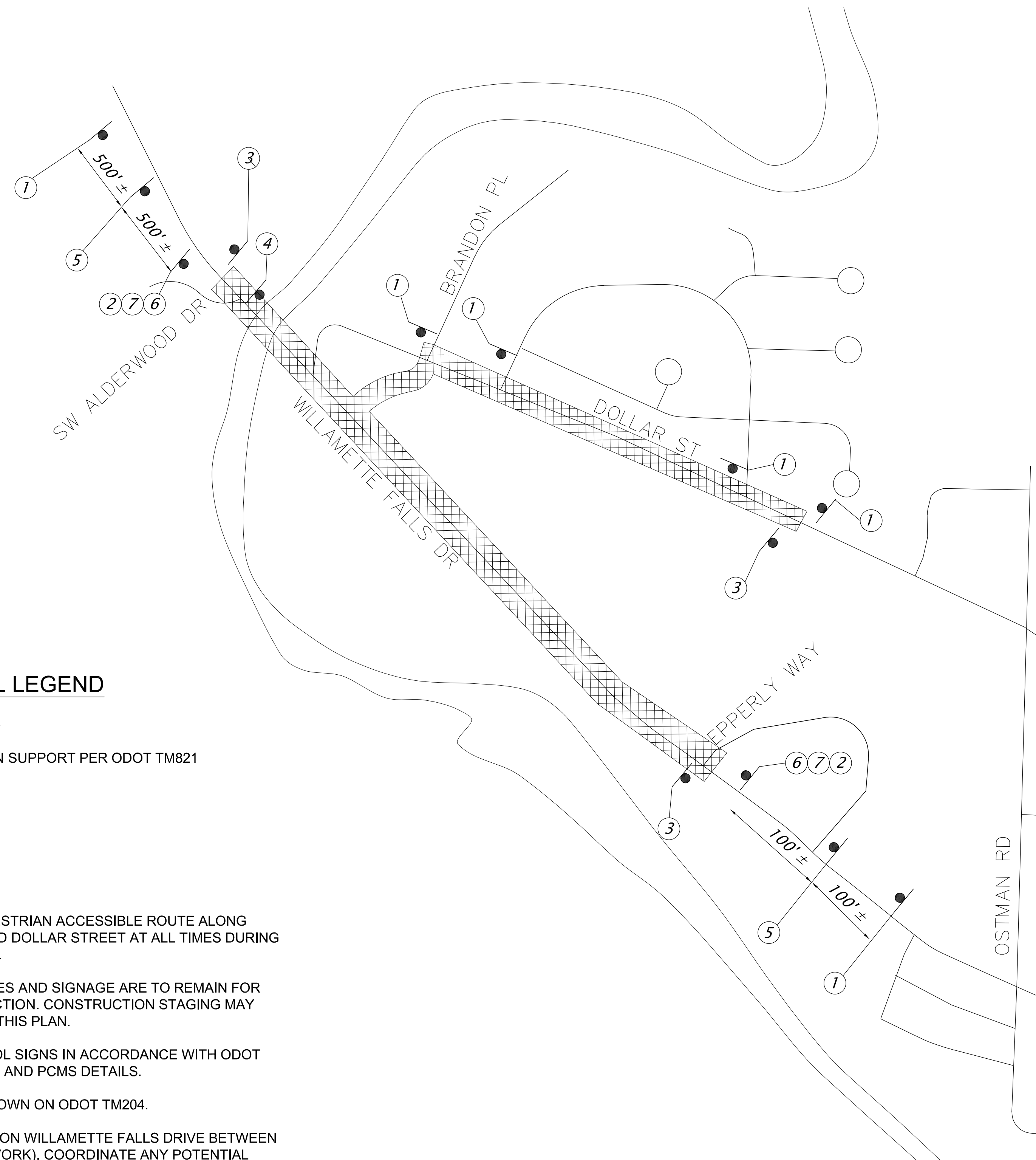
PHASE 1 - CONSTRUCT SOUTH SIDE IMPROVEMENTS ALONG DOLLAR STREET FRONTAGE USING SHOULDER CLOSURES FOR THE WORK ZONE. TRAFFIC WILL BE IN A TWO-WAY, TWO-LANE CONFIGURATION AT ALL TIMES. THIS STAGE MAY BE CONSTRUCTED CONCURRENTLY WITH WILLAMETTE FALLS DRIVE PHASES 1-3 BUT SHOULD BE COORDINATED WITH BRANDON PLACE EXTENSION TO ASSURE ACCESS IS MAINTAINED AT ALL TIMES. SEE SHEET TC05 FOR DETAILS. PEDESTRIANS WILL BE DIRECTED TO USE THE EXISTING SIDEWALK ON THE NORTH SIDE OF DOLLAR STREET.

BRANDON PLACE


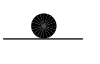

PHASE 1 - SINCE BRANDON PLACE DOES NOT CURRENTLY EXIST, CONSTRUCTION CAN TAKE PLACE CONCURRENTLY WITH WILLAMETTE FALLS DRIVE PHASES 1-3. HOWEVER, THE BRANDON PLACE EXTENSION SHOULD BE COORDINATED WITH THE DOLLAR STREET IMPROVEMENTS TO ASSURE ACCESS IS MAINTAINED TO RESIDENCES ALONG BRANDON PLACE AT ALL TIMES.

TYPICAL TEMPORARY TRAFFIC CONTROL SIGNS

<p>①  ROAD WORK AHEAD W20-1 36" x 36"</p>	<p>⑥  SPEED LIMIT 25 R2-1 36" x 48"</p>
<p>②  FINES DOUBLE R2-6aP 24" x 18"</p>	<p>⑦  WORK ZONE G20-5aP 24" x 18" (BLACK ON ORANGE)</p>
<p>③  END ROAD WORK CG20-2 48" x 24"</p>	
<p>④  SIDEWALK CLOSED R9-9 30" x 18"</p>	
<p>⑤  WILLAMETTE FALLS DR CONSTRUCTION WORK FROM SW ALDERWOOD DR TO EPPERLY WAY FROM <DATE> TO <DATE> 84" x 54" (SIGN TO BE POSTED 10 DAYS PRIOR TO CONSTRUCTION)</p>	

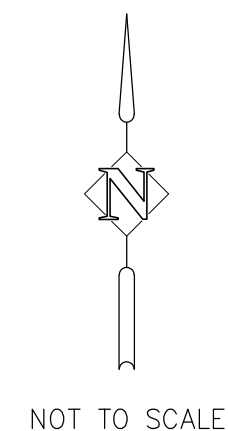


TRAFFIC CONTROL LEGEND

-  N = SIGN NUMBER
-  TEMPORARY SIGN SUPPORT PER ODOT TM821
-  WORK ZONE

GENERAL NOTES

1. PROVIDE A TEMPORARY PEDESTRIAN ACCESSIBLE ROUTE ALONG WILLAMETTE FALLS DRIVE AND DOLLAR STREET AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
2. SAFE AND ACCESSIBLE ROUTES AND SIGNAGE ARE TO REMAIN FOR THE DURATION OF CONSTRUCTION. CONSTRUCTION STAGING MAY REQUIRE MODIFICATIONS TO THIS PLAN.
3. INSTALL ALL TRAFFIC CONTROL SIGNS IN ACCORDANCE WITH ODOT TM800 TABLES, ABRUPT EDGE AND PCMS DETAILS.
4. INSTALL FLAG BOARDS AS SHOWN ON ODOT TM204.
5. LANE REDUCTIONS ALLOWED ON WILLAMETTE FALLS DRIVE BETWEEN 7:00 PM AND 7:00 AM (NIGHT WORK). COORDINATE ANY POTENTIAL NIGHT WORK WITH THE CITY OF WEST LINN.

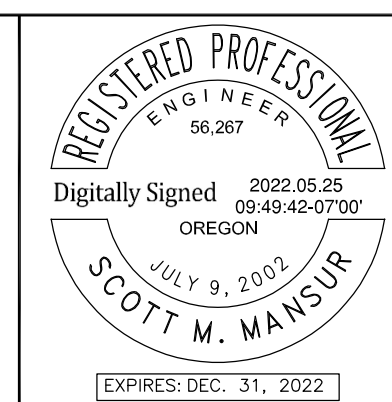


APPROVED
By Erich Lais at 1:31:35 PM, 05/31/2022

File: X:\Projects\2020\20197-000 (WILLAMETTE FALLS DRIVE) (CAD)\TC01.dwg, TAB: TC01
Plotted: 5/24/22 at 0:46pm by: nx

REVISION	DATE	DESCRIPTION

DKS 117 Commercial St NE, Suite 310
Salem, Oregon 97301
www.dksassociates.com



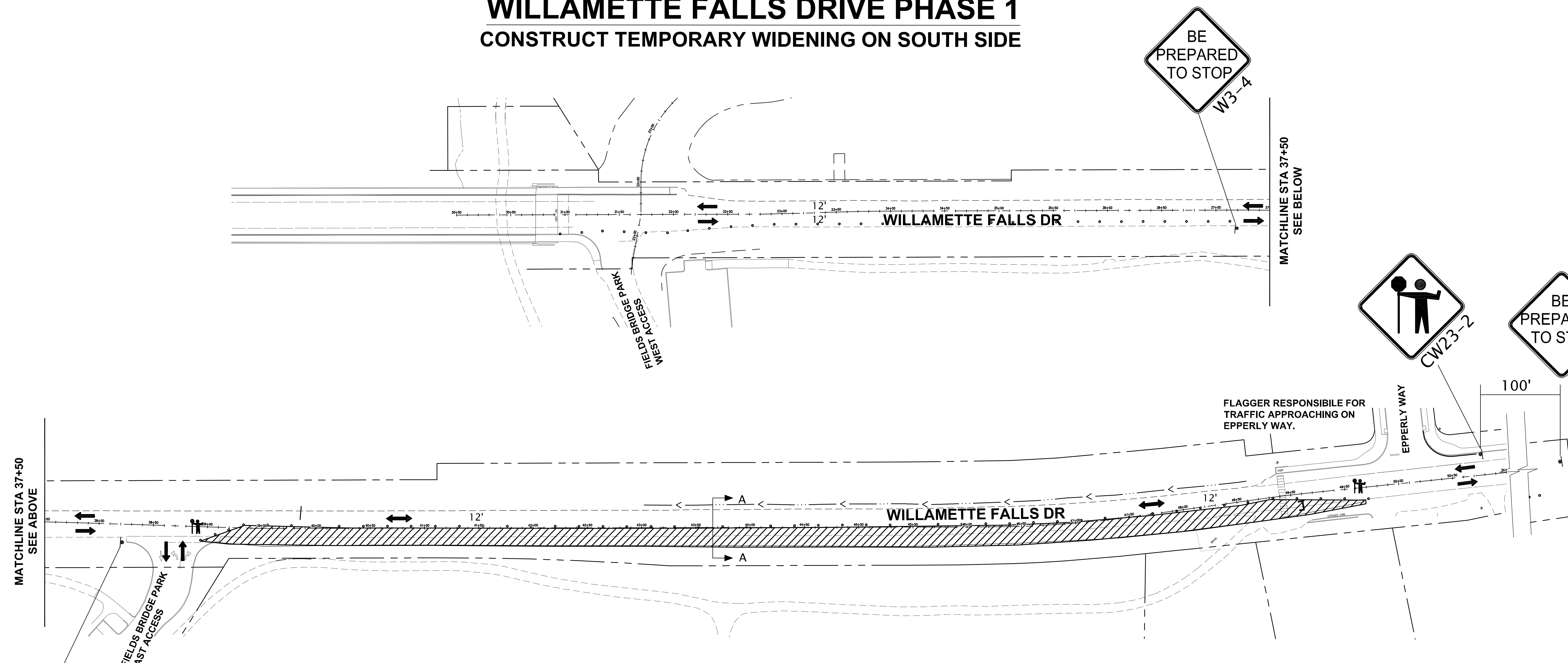
JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:48pm
PLOTTED BY:	rxv
DWG NAME:	TC01.dwg
TAB NAME:	TC01

West Linn, OR 97088
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
ADVANCED AREA SIGNING PLAN AND
STAGING NARRATIVE

SHEET NO.
TC01
SHEET 125 OF 153
RECORD NO.

WILLAMETTE FALLS DRIVE PHASE 1

CONSTRUCT TEMPORARY WIDENING ON SOUTH SIDE

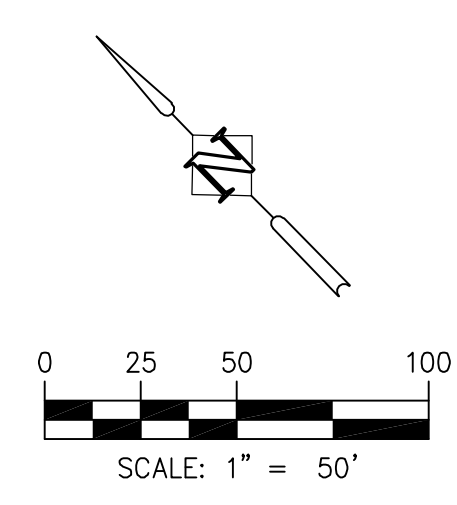
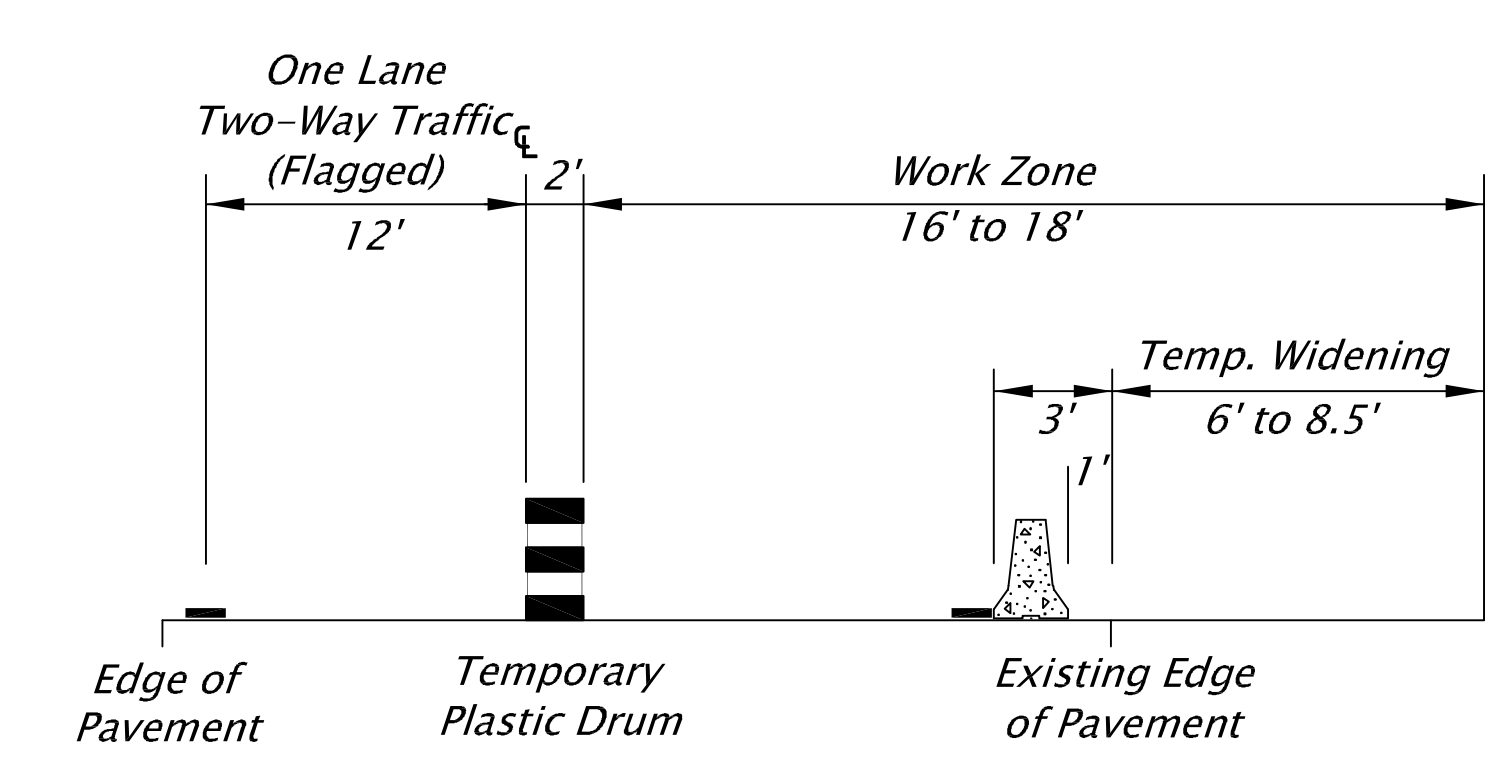


TRAFFIC CONTROL LEGEND

- PHASE 1 UNDER CONSTRUCTION
- PLASTIC DRUMS, 20' SPACING
- DIRECTION OF TRAFFIC
- FLAGGER STATION

GENERAL NOTES

1. PROVIDE A TEMPORARY PEDESTRIAN ACCESSIBLE ROUTE ALONG WILLAMETTE FALLS DRIVE AND DOLLAR STREET AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
2. SAFE AND ACCESSIBLE ROUTES AND SIGNAGE ARE TO REMAIN FOR THE DURATION OF CONSTRUCTION. CONSTRUCTION STAGING MAY REQUIRE MODIFICATIONS TO THIS PLAN.
3. INSTALL ALL TRAFFIC CONTROL SIGNS IN ACCORDANCE WITH ODOT TM800 TABLES, ABRUPT EDGE AND PCMS DETAILS.
4. INSTALL FLAG BOARDS AS SHOWN ON ODOT TM204.
5. LANE REDUCTIONS ALLOWED ON WILLAMETTE FALLS DRIVE BETWEEN 7:00 PM AND 7:00 AM (NIGHT WORK). COORDINATE ANY POTENTIAL NIGHT WORK WITH THE CITY OF WEST LINN.



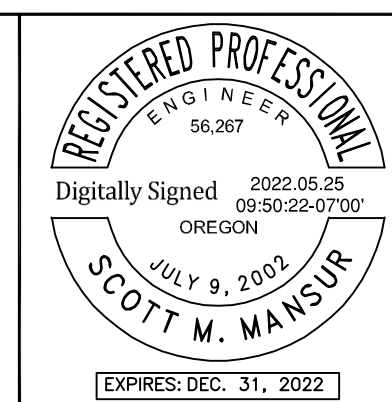
File: X:\Projects\2020\2020197-000 (WILLAMETTE FALLS DRIVE) (CAD)\TC02.dwg, TAB: TC02
 Plotted: 5/24/22 at 8:35am By: kiaradrake
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:31:44 PM, 05/31/2022

DKS

117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:35am
PLOTTED BY:	kiara.drake
DWG NAME:	TC02.dwg
TAB NAME:	TC02

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

WILLAMETTE FALLS DRIVE PHASE 1

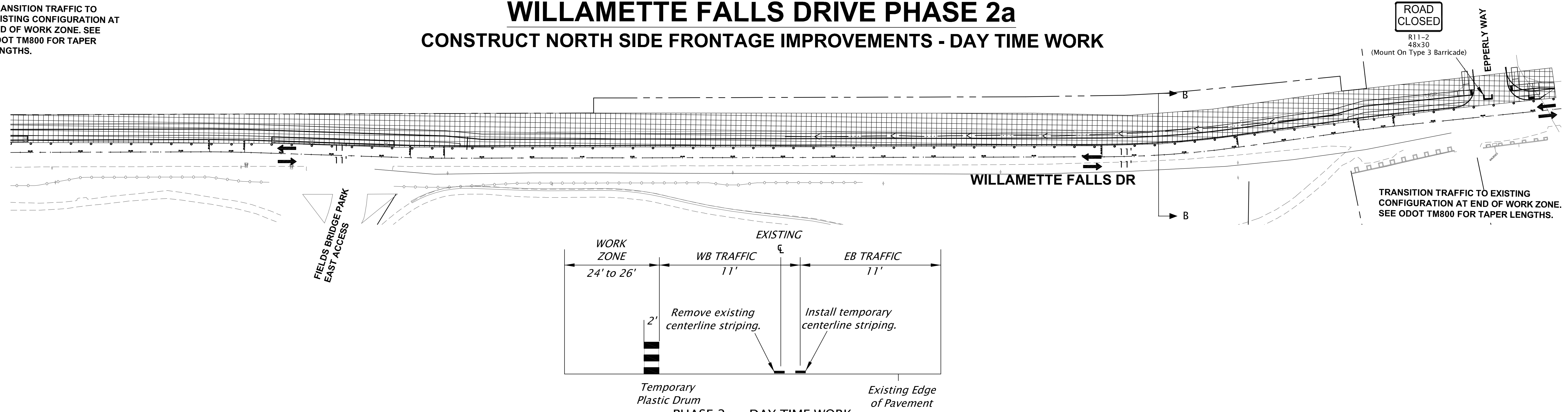
TC02

SHEET 126 OF 153
RECORD NO.

TRANSITION TRAFFIC TO EXISTING CONFIGURATION AT END OF WORK ZONE. SEE ODOT TM800 FOR TAPER LENGTHS.

WILLAMETTE FALLS DRIVE PHASE 2a

CONSTRUCT NORTH SIDE FRONTAGE IMPROVEMENTS - DAY TIME WORK

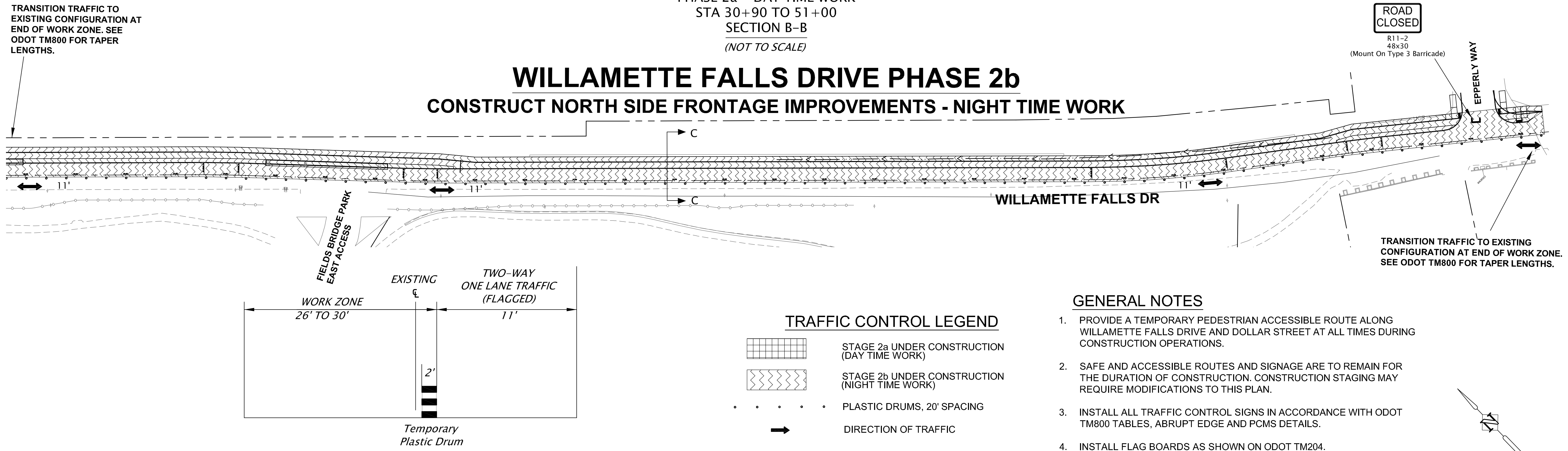


PHASE 2a - DAY TIME WORK
STA 30+90 TO 51+00
SECTION B-B
(NOT TO SCALE)

TRANSITION TRAFFIC TO EXISTING CONFIGURATION AT END OF WORK ZONE. SEE ODOT TM800 FOR TAPER LENGTHS.

WILLAMETTE FALLS DRIVE PHASE 2b

CONSTRUCT NORTH SIDE FRONTAGE IMPROVEMENTS - NIGHT TIME WORK



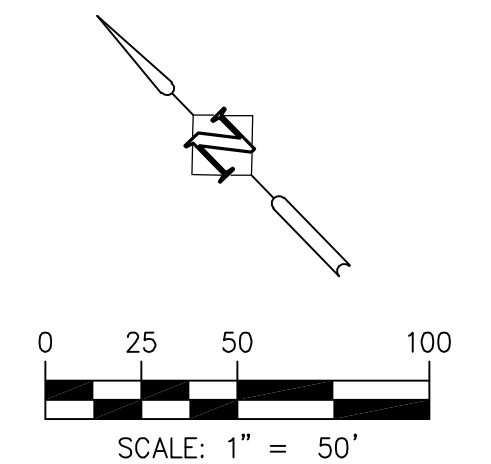
PHASE 2b - NIGHT TIME WORK
STA 37+50 TO 51+00
SECTION C-C
(NOT TO SCALE)

TRAFFIC CONTROL LEGEND

- STAGE 2a UNDER CONSTRUCTION (DAY TIME WORK)
- STAGE 2b UNDER CONSTRUCTION (NIGHT TIME WORK)
- PLASTIC DRUMS, 20' SPACING
- DIRECTION OF TRAFFIC

GENERAL NOTES

1. PROVIDE A TEMPORARY PEDESTRIAN ACCESSIBLE ROUTE ALONG WILLAMETTE FALLS DRIVE AND DOLLAR STREET AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
2. SAFE AND ACCESSIBLE ROUTES AND SIGNAGE ARE TO REMAIN FOR THE DURATION OF CONSTRUCTION. CONSTRUCTION STAGING MAY REQUIRE MODIFICATIONS TO THIS PLAN.
3. INSTALL ALL TRAFFIC CONTROL SIGNS IN ACCORDANCE WITH ODOT TM800 TABLES, ABRUPT EDGE AND PCMS DETAILS.
4. INSTALL FLAG BOARDS AS SHOWN ON ODOT TM204.
5. LANE REDUCTIONS ALLOWED ON WILLAMETTE FALLS DRIVE BETWEEN 7:00 PM AND 7:00 AM (NIGHT WORK). COORDINATE ANY POTENTIAL NIGHT WORK WITH THE CITY OF WEST LINN.

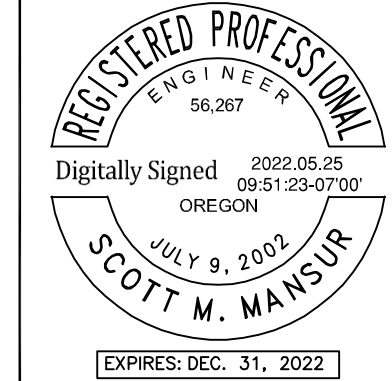


File: X:\Projects\2020\20197-000 (WLVV) Atney Creek MS Design\CADD\TC03.dwg TAB:TC03
Plotted: 5/24/22 at 8:35am BY: kdrake

REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:31:53 PM, 05/31/2022

DKS 117 Commercial St NE, Suite 310
Salem, Oregon 97301
www.dksassociates.com



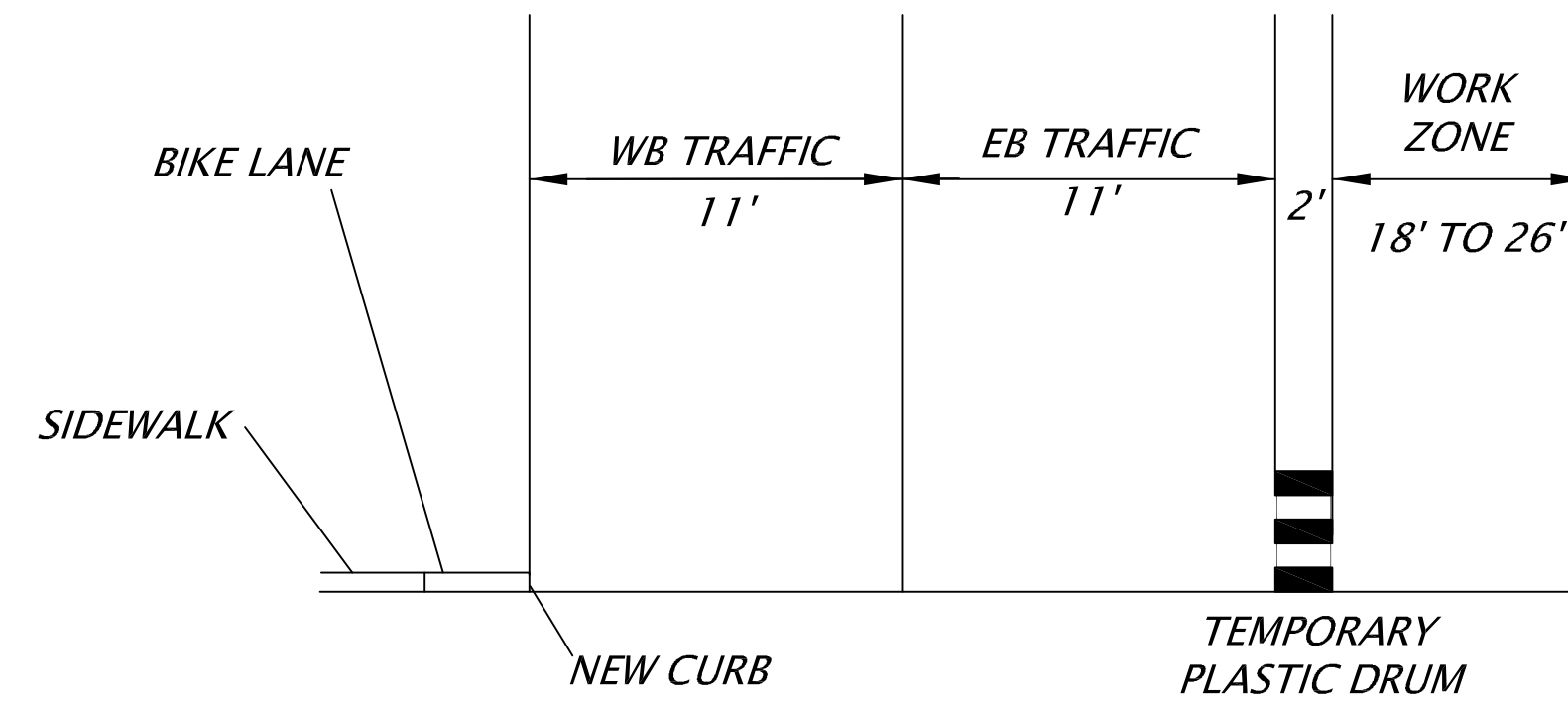
JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:35am
PLOTTED BY:	kiara.drake
DWG NAME:	TC03.dwg
TAB NAME:	TC03

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
WILLAMETTE FALLS DRIVE PHASE 2

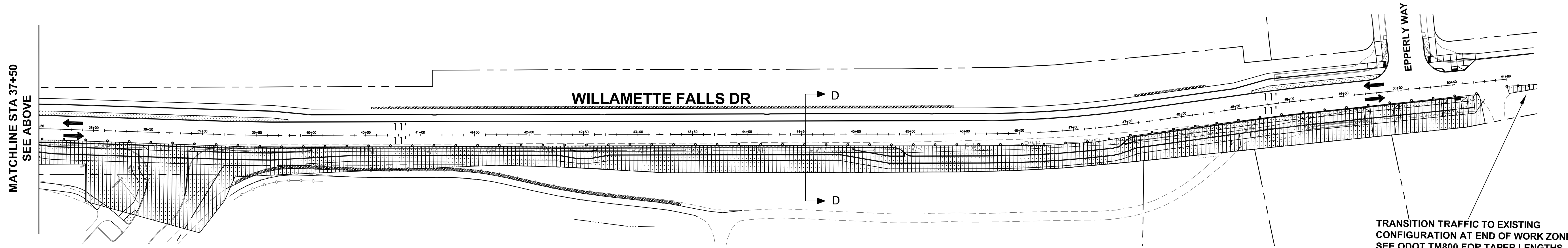
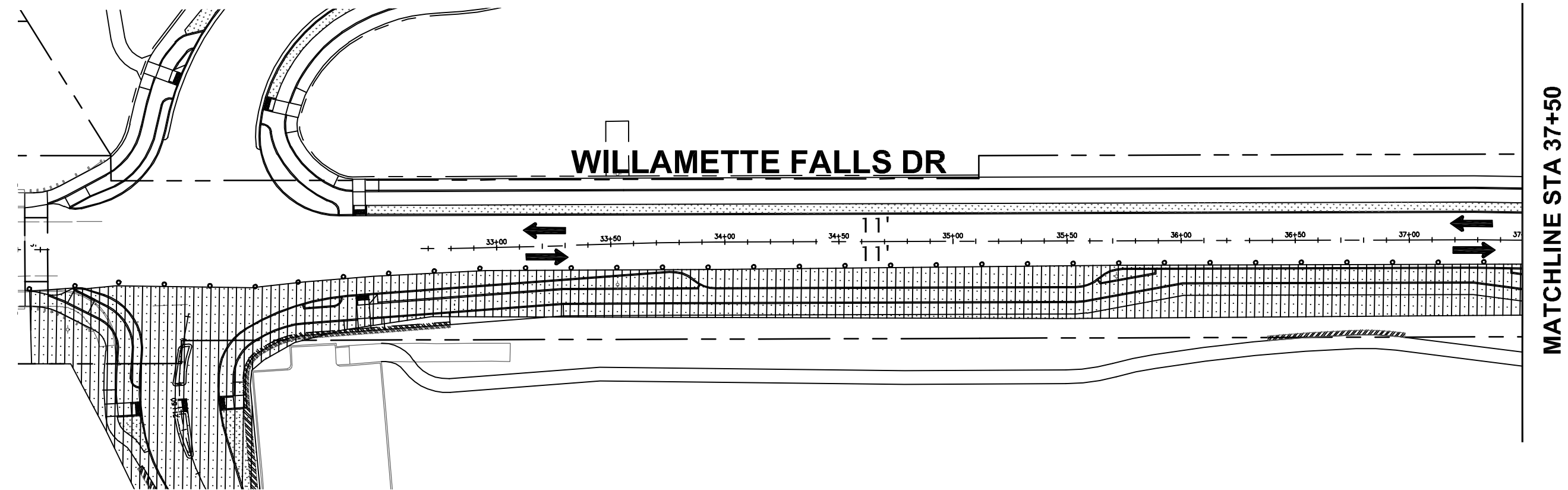
SHEET NO.
TC03
SHEET 127 OF 153
RECORD NO.

WILLAMETTE FALLS DRIVE PHASE 3

CONSTRUCT SOUTH SIDE IMPROVEMENTS



PHASE 3 - ALL TIMES
STA 30+90 TO 51+00
SECTION D-D
(NOT TO SCALE)



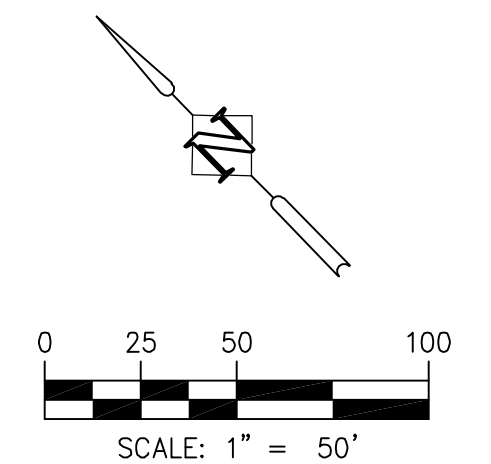
TRANSITION TRAFFIC TO EXISTING CONFIGURATION AT END OF WORK ZONE. SEE ODOT TM800 FOR TAPER LENGTHS.

GENERAL NOTES

1. PROVIDE A TEMPORARY PEDESTRIAN ACCESSIBLE ROUTE ALONG WILLAMETTE FALLS DRIVE AND DOLLAR STREET AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
2. SAFE AND ACCESSIBLE ROUTES AND SIGNAGE ARE TO REMAIN FOR THE DURATION OF CONSTRUCTION. CONSTRUCTION STAGING MAY REQUIRE MODIFICATIONS TO THIS PLAN.
3. INSTALL ALL TRAFFIC CONTROL SIGNS IN ACCORDANCE WITH ODOT TM800 TABLES, ABRUPT EDGE AND PCMS DETAILS.
4. INSTALL FLAG BOARDS AS SHOWN ON ODOT TM204.
5. LANE REDUCTIONS ALLOWED ON WILLAMETTE FALLS DRIVE BETWEEN 7:00 PM AND 7:00 AM (NIGHT WORK). COORDINATE ANY POTENTIAL NIGHT WORK WITH THE CITY OF WEST LINN.

TRAFFIC CONTROL LEGEND

- PHASE 3 UNDER CONSTRUCTION
- PLASTIC DRUMS, 20' SPACING
- DIRECTION OF TRAFFIC



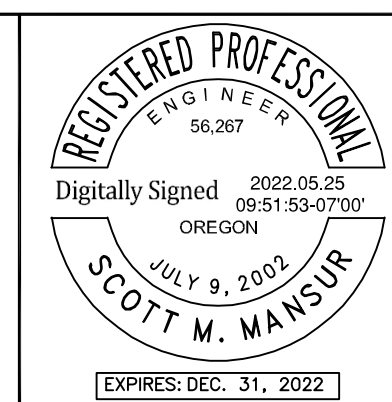
File: X:\Projects\2020\2020\197-000 (WL) WV Althey Creek MS Design\ICAD\TC04.dwg TAB:TC04
Plotted: 5/24/22 at 8:36am By: kiaradrake
22x34

REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:32:03 PM, 05/31/2022

DKS

117 Commercial St NE, Suite 310
Salem, Oregon 97301
www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:36am
PLOTTED BY:	kiara.drake
DWG NAME:	TC04.dwg
TAB NAME:	TC04

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

WILLAMETTE FALLS DRIVE PHASE 3

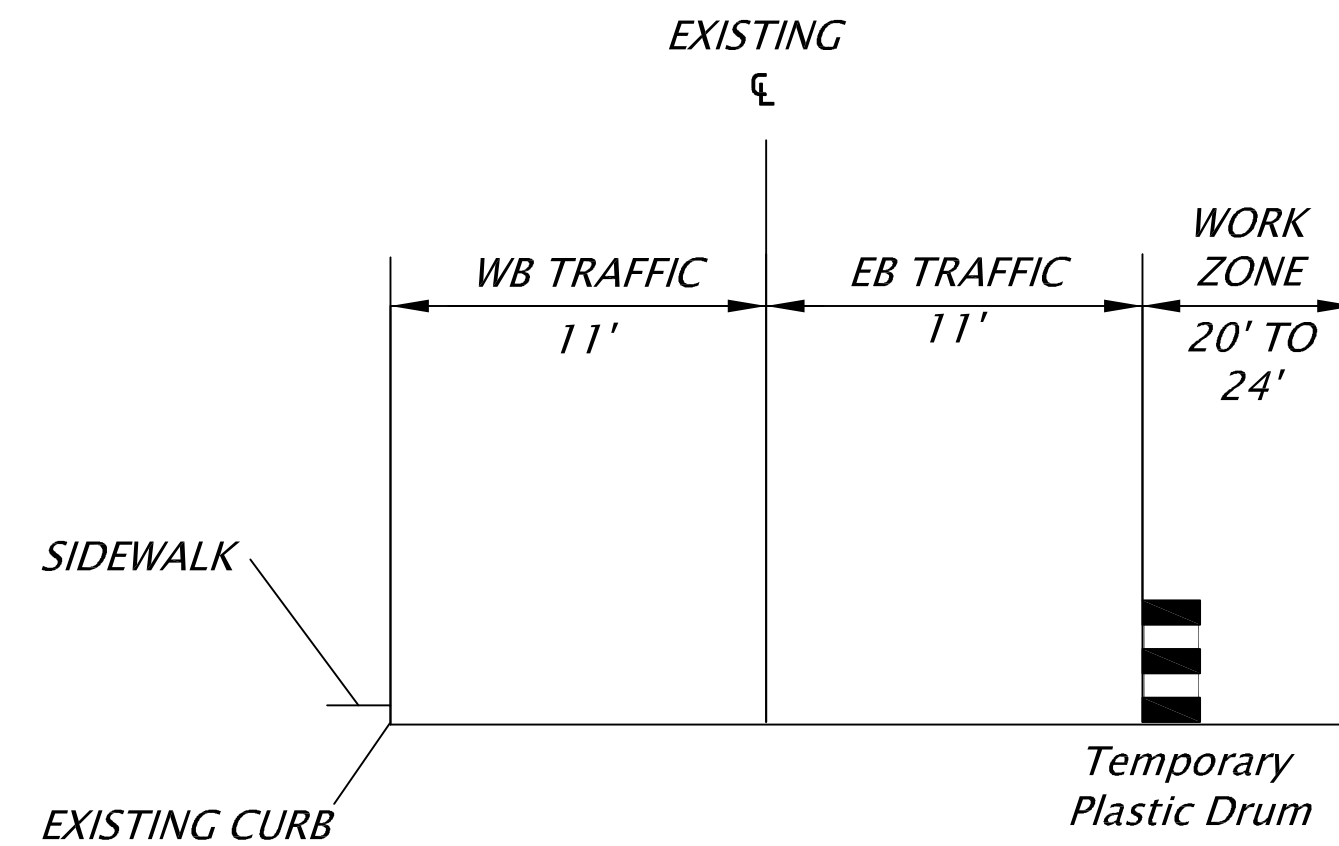
SHEET NO.

TC04

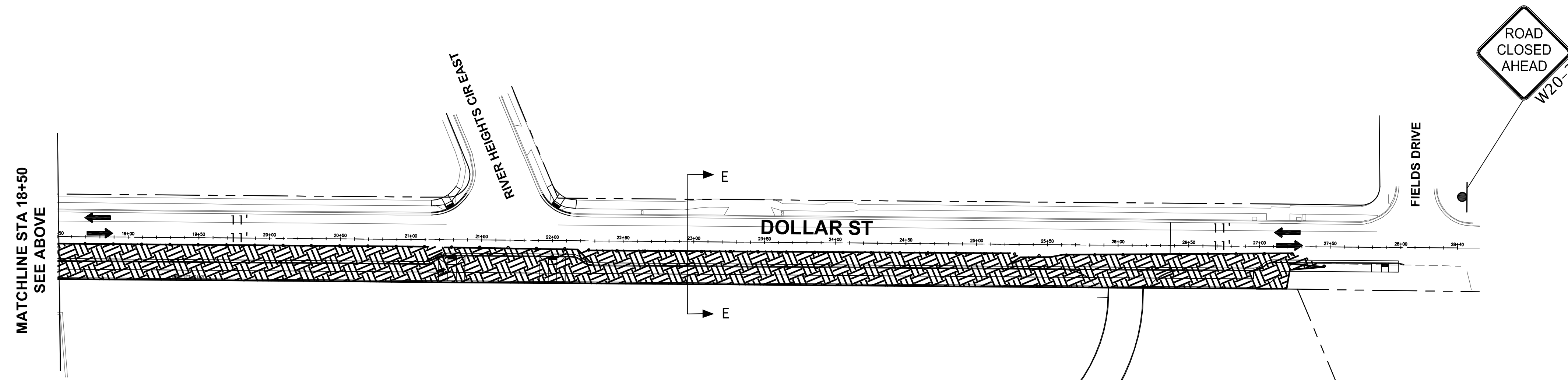
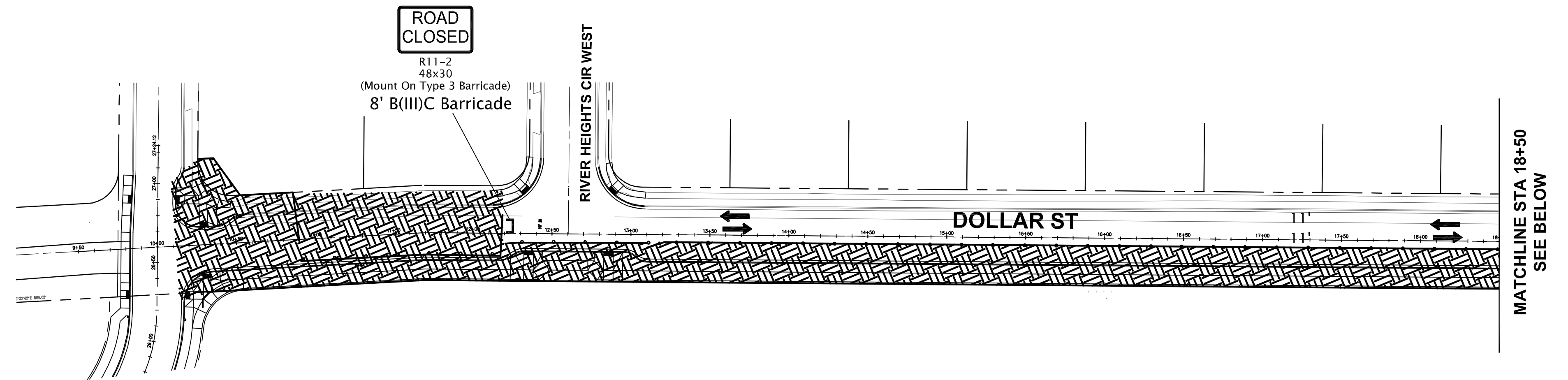
SHEET 128 OF 153
RECORD NO.

DOLLAR STREET PHASE 1

CONSTRUCT DOLLAR STREET SOUTH SIDE FRONTAGE IMPROVEMENTS



PHASE 4 - ALL TIMES
 STA 9+80 TO 28+40
 SECTION E-E
 (NOT TO SCALE)

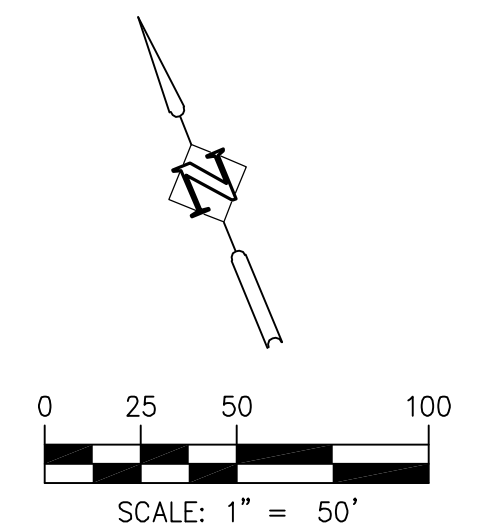


GENERAL NOTES

1. PROVIDE A TEMPORARY PEDESTRIAN ACCESSIBLE ROUTE ALONG WILLAMETTE FALLS DRIVE AND DOLLAR STREET AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
2. SAFE AND ACCESSIBLE ROUTES AND SIGNAGE ARE TO REMAIN FOR THE DURATION OF CONSTRUCTION. CONSTRUCTION STAGING MAY REQUIRE MODIFICATIONS TO THIS PLAN.
3. INSTALL ALL TRAFFIC CONTROL SIGNS IN ACCORDANCE WITH ODOT TM800 TABLES, ABRUPT EDGE AND PCMS DETAILS.
4. INSTALL FLAG BOARDS AS SHOWN ON ODOT TM204.
5. LANE REDUCTIONS ALLOWED ON WILLAMETTE FALLS DRIVE BETWEEN 7:00 PM AND 7:00 AM (NIGHT WORK). COORDINATE ANY POTENTIAL NIGHT WORK WITH THE CITY OF WEST LINN.

TRAFFIC CONTROL LEGEND

- PHASE 4 UNDER CONSTRUCTION
- PLASTIC DRUMS, 20' SPACING
- DIRECTION OF TRAFFIC



File: X:\Projects\2020\2020197-000 (WLL) VV, Alley Creek, MS Design\CAD\TC05.dwg, TAB: TC05
 Plotted: 5/24/22 at 8:36am by: kiaradrake
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:32:46 PM, 05/31/2022

DKS

117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:36am
PLOTTED BY:	kiara.drake
DWG NAME:	TC05.dwg
TAB NAME:	TC05

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

DOLLAR STREET PHASE 4

TC05

SHEET 129 OF 153
 RECORD NO.

LEGEND

POLES

- RETAIN AND PROTECT EXISTING SHOEBOX AND LED LIGHT FIXTURE.
- RETAIN AND PROTECT EXISTING WOOD POLE.
- PGE TO INSTALL NEW WOOD POLE (SEE LIGHT POLE TABLE).
- RETAIN AND PROTECT EXISTING LUMINAIRE ARM AND LED LIGHT FIXTURE.
- REMOVE EXISTING SHOEBOX AND LED LIGHT FIXTURE.
- PGE TO REMOVE EXISTING COBRAHEAD AND LED LIGHT FIXTURE.
- MAINTAIN AND PROTECT EXISTING COBRAHEAD AND HPS LIGHT FIXTURE.
- PGE TO REMOVE EXISTING COBRAHEAD AND HPS LIGHT FIXTURE.
- NEW METAL LIGHT POLE (N=NUMBER) FOR ROADWAY ILLUMINATION (SEE LIGHT POLE TABLE).
- PGE TO FURNISH AND INSTALL NEW PGE APPROVED STREET LIGHT POLE WITH EXTENSION AND ARM BRACKET (SEE LIGHT POLE TABLE).
- PGE TO FURNISH AND INSTALL NEW PGE APPROVED (X=FT) STREET LIGHT ARM BRACKET.
- PGE TO FURNISH AND INSTALL LIGHT EMITTING DIODE LUMINAIRE, AND BOND LUMINAIRE TO POLE GROUNDING TERMINAL. (SEE LIGHT POLE TABLE).
- CONTRACTOR TO INSTALL PGE PROVIDED DIRECT BURIED COMPOSITE LIGHT POLE BASE.
- PGE POWER SOURCE. COORDINATE SERVICE CONNECTION WITH JEFF WEISE (PGE) AT 503-742-8363 KOLBY HOLLINGSWORTH (PGE) AT 503-963-6928.

CONDUITS

- INSTALL CONDUIT BY HORIZONTAL DIRECTIONAL DRILLING, OPEN TRENCH NOT ALLOWED.
- INSTALL (S=SIZE) INCH RIGID NON-METALLIC CONDUIT.
- INSTALL CONDUIT AND WIRE AS REQUIRED BY PGE. CONTACT JEFF WEISE (PGE) AT 503-742-8363 OR KOLBY HOLLINGSWORTH (PGE) AT 503-963-6928 IN ADVANCE TO COORDINATE SERVICE CONNECTION AND PGE REQUIREMENTS AND VERIFY POWER SOURCE LOCATION.
- ABANDON EXISTING CONDUIT.

LIGHTING NOTES

- LIGHTING SHALL BE PGE OPTION A WHICH REQUIRES THE CONTRACTOR TO FURNISH AND INSTALL ALL CONDUIT AND JUNCTION BOXES AND REQUIRES THE CONTRACTOR TO INSTALL THE FOUNDATION OF THE PGE SUPPLIED LIGHT POLE FOUNDATION. ALL CONDUIT SHALL BE INSTALLED WITH A POLY PULL LINE FOR FUTURE WIRE INSTALLATION. PGE IS RESPONSIBLE FOR INSTALLING LIGHT POLE AND LED FIXTURE. PGE IS REQUIRED TO ENERGIZING AND MAINTAIN LIGHTING SYSTEM.
- LIGHT POLE SHALL BE 35FT DIRECT BURY, 2-PIECE, SMOOTH FINISH BRONZE:

MANUFACTURER: SHAKESPEARE	CATALOG NUMBER: CU 1114	MANUFACTURER PRODUCT CODE: BXT3599S5BL9901
------------------------------	----------------------------	---
- 6- FOOT ARM FOR COMPOSITE POLE SHALL BE:

MANUFACTURER: WHATLEY	CATALOG NUMBER: CU 775, 6FT BRONZE	MANUFACTURER PRODUCT CODE: MA-72DDB
VALMONT	CU 775, 6FT BRONZE	IMAO832B475-BRZ
SHAKESPEARE	CU 775, 6FT BRONZE	OPAR-6-BRONZE
- 8-FOOT ARM FOR COMPOSITE POLE SHALL BE:

MANUFACTURER: WHATLEY	CATALOG NUMBER: CU 1132, 8FT BRONZE	MANUFACTURER PRODUCT CODE: MA-96DDB
VALMONT	CU 1132, 8FT BRONZE	IMAO832B475-BRZ
SHAKESPEARE	CU 1132, 8FT BRONZE	OPAR-8-BRONZE
- COBRA STYLE LUMINAIRE SHALL BE:

MANUFACTURER: LEOTEK	CATALOG NUMBER: CU 1491, 88W LED	MANUFACTURER PRODUCT CODE: GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE
LEOTEK	CU 1369, 88W LED	GCM2-40H-MV-WW-2R-GY-700-PCR7-RWG-WL-FDC-PGE
LEOTEK	CU 1489, 45W LED	GCJ1-20H-MV-WW-2R-DB-450-PCR7-RWG-WL-FDC-PGE

WIRES AND CABLES

- REMOVE EXISTING WIRING. WORK TO BE COMPLETED BY PGE.
- INSTALL POLY PULL LINE.
- INSTALL (N=NUMBER) NO. (G=AWG WIRE SIZE) TYPE XHHW WIRES.

JUNCTION BOXES

- INSTALL 17"X10"X12" (MIN. DIMENSION) PRECAST CONCRETE JUNCTION BOX WITH CONCRETE APRON.
- INSTALL PGE APPROVED 17"X30"X18" (MIN. DIMENSION) PRECAST CONCRETE JUNCTION BOX.
- INSTALL 22"X12"X12" (MIN. DIMENSION) PRECAST CONCRETE JUNCTION BOX WITH CONCRETE APRON.
- RETAIN AND PROTECT EXISTING JUNCTION BOX.

ITS SYSTEMS

- CONTRACTOR TO FURNISH AND INSTALL FOUCH BASE MOUNTED FLIP TOP METERED PEDESTAL PART #0600-0074-00 (STAINLESS STEEL) AND MOUNTING BASE ON NEW FOUNDATION. SEE SHEET IL-07 FOR DETAILS. SEE OREGON STANDARD DRAWING TM485 FOR FOUNDATION DETAILS. CONFIRM FINAL LOCATION WITH ENGINEER PRIOR TO EXCAVATING FOR FOUNDATION.
- CONTRACTOR TO FURNISH AND INSTALL SCHOOL FLASHER ASSEMBLY AND SCHOOL SPEED LIMIT SIGN, SEE DETAIL SHEET IL-08. CONTRACTOR TO CONFIRM FINAL SCHOOL FLASHER LOCATIONS WITH ENGINEER PRIOR TO EXCAVATING FOR FOUNDATION.
- CONTRACTOR TO FURNISH INSTALL SPEED FEEDBACK SIGN ASSEMBLY. SEE DETAIL SHEET IL-09. CONTRACTOR TO CONFIRM FINAL SPEED FEEDBACK SIGN LOCATIONS WITH ENGINEER PRIOR TO EXCAVATING FOR FOUNDATION.

LIGHT POLE TABLE

POLE NO.	STREET	STATION	OFFSET* (FT)	MOUNTING HEIGHT (FT)	ARM LENGTH (FT)	LUMINAIRE	
						PART NUMBER	WATTAGE
1	BRANDON PL	26+33 LT	0'-6"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
2	FIELDS BRIDGE PARK E	21+46 RT	5'-0"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
3	WILLAMETTE FALLS DR	32+47 RT	2'-3"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
4	WILLAMETTE FALLS DR	33+71 RT	2'-3"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
5	WILLAMETTE FALLS DR	34+89 RT	2'-3"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
6	WILLAMETTE FALLS DR	36+55 RT	2'-3"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
7	WILLAMETTE FALLS DR	37+87 RT	2'-3"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
8	WILLAMETTE FALLS DR	38+97 LT	18'-9"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
9	WILLAMETTE FALLS DR	39+41 RT	2'-3"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
10	WILLAMETTE FALLS DR	41+13 LT	7'-0"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
11	WILLAMETTE FALLS DR	42+68 LT	7'-0"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
12	WILLAMETTE FALLS DR	44+18 LT	7'-0"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
13	WILLAMETTE FALLS DR	45+70 LT	7'-0"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
14	WILLAMETTE FALLS DR	47+13 LT	12'-6"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
15	WILLAMETTE FALLS DR	48+68 LT	1'-9"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
16	WILLAMETTE FALLS DR	49+82 LT	16'-0"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
17	BRANDON PL	22+85 RT	17'-6"	30	8	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
18	BRANDON PL	24+22 LT	3'-3"	30	6	GCJ2-20H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	45W
19	BRANDON PL	25+46 RT	4'-0"	30	6	GCJ2-20H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	45W
20	BRANDON PL	26+35 LT	6'-6"	30	6	GCJ2-20H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	45W
21	DOLLAR ST	10+42 LT	5'-3"	30	6	GCJ2-20H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	45W
22	DOLLAR ST	12+72 RT	12'-6"	30	6	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
23	DOLLAR ST	21+17 RT	16'-9"	30	6	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	88W
24	DOLLAR ST	26+32 RT	9'-0"	30	6	GCJ2-20H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE	45W
25**	WILLAMETTE FALLS DR	PGE	PGE	PGE	14	GCM2-40H-MV-WW-2R-GY-700-PCR7-RWG-WL-FDC-PGE	88W

*OFFSET IS MEASURED FROM FACE OF CURB TO CENTER OF LUMINAIRE POLE. CONFIRM FINAL LOCATION WITH ENGINEER.
 **PGE TO INSTALL NEW WOOD POLE, LUMINAIRE ARM, AND FIXTURE. SEE UTILITY PLANS FOR FINAL LOCATION.

LIGHTING ANALYSIS SUMMARY

LOCATION	CLASSIFICATION		DESIGN LIGHT VALUES		ACHIEVED LIGHT VALUES	
	STREET	PEDESTRIAN/ZONING	AVERAGE MAINTAINED ILLUMINANCE (FC)	UNIFORMITY (AVE/MIN)	AVERAGE MAINTAINED ILLUMINANCE (FC)	UNIFORMITY (AVE/MIN)
INTERSECTION DESIGN VALUES						
WILLAMETTE FALLS DR/BRANDON PL	MAJOR/LOCAL	MEDIUM	1.9	3.0	1.9	1.9
WILLAMETTE FALLS DR/EPPERLY WAY	MAJOR/LOCAL	MEDIUM	1.9	3.0	1.9	1.4
DOLLAR ST/BRANDON PL	LOCAL/LOCAL	MEDIUM	1.3	6.0	1.4	2.0
DOLLAR ST/RIVER HEIGHTS DR W	LOCAL/LOCAL	MEDIUM	1.3	6.0	1.5	3.0
DOLLAR ST/RIVER HEIGHTS DR E	LOCAL/LOCAL	MEDIUM	1.3	6.0	1.3	1.7
SEGMENT DESIGN VALUES						
WILLAMETTE FALLS DR	ARTERIAL	NON-RESIDENTIAL	1.1	3.0	1.2	2.9
DOLLAR ST	LOCAL	RESIDENTIAL	0.4	6.0	0.6	5.8
BRANDON PL	LOCAL	NON-RESIDENTIAL	0.6	6.0	0.7	3.7

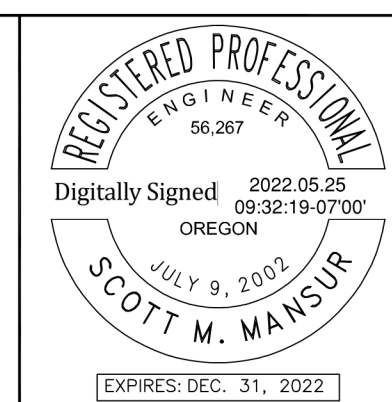
22x34

REVISION	DATE	DESCRIPTION

APPROVED

By Erich Lais at 1:32:57 PM, 05/31/2022

DKS
 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 4:34pm
PLOTTED BY:	rxv
DWG NAME:	IL01.dwg
TAB NAME:	IL01

West Linn, OR 97068

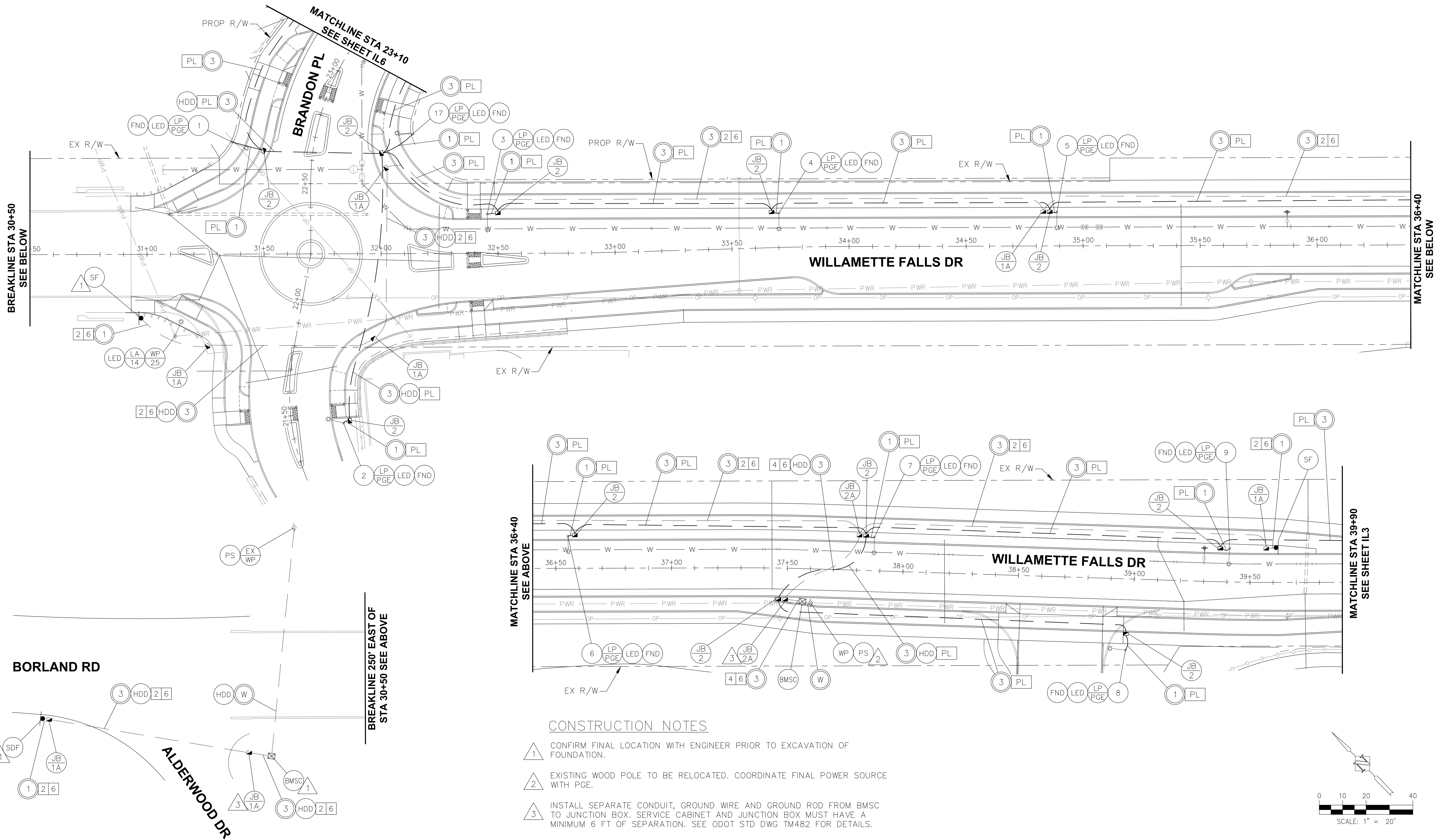
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

ILLUMINATION LEGEND

IL01

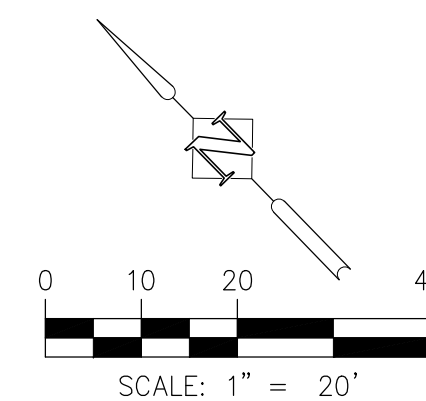
SHEET 130 OF 153
RECORD NO.

File: X:\Projects\2020\20197-000 (WLVV Athey Creek MS Design)\CAD\ILL02.dwg TAB:ILL02
 Plotted: 5/24/22 at 8:45pm By: rxv



CONSTRUCTION NOTES

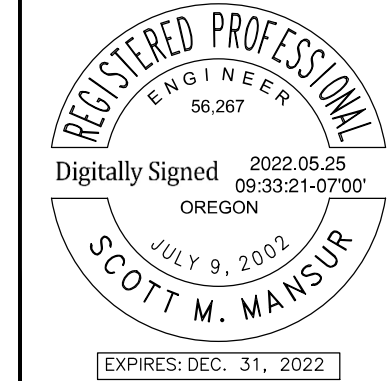
- 1 CONFIRM FINAL LOCATION WITH ENGINEER PRIOR TO EXCAVATION OF FOUNDATION.
- 2 EXISTING WOOD POLE TO BE RELOCATED. COORDINATE FINAL POWER SOURCE WITH PGE.
- 3 INSTALL SEPARATE CONDUIT, GROUND WIRE AND GROUND ROD FROM BMSC TO JUNCTION BOX. SERVICE CABINET AND JUNCTION BOX MUST HAVE A MINIMUM 6 FT OF SEPARATION. SEE ODOT STD DWG TM482 FOR DETAILS.



REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:33:06 PM, 05/31/2022

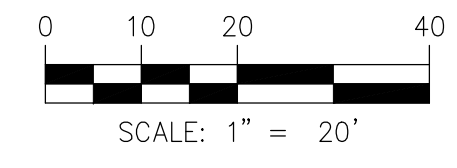
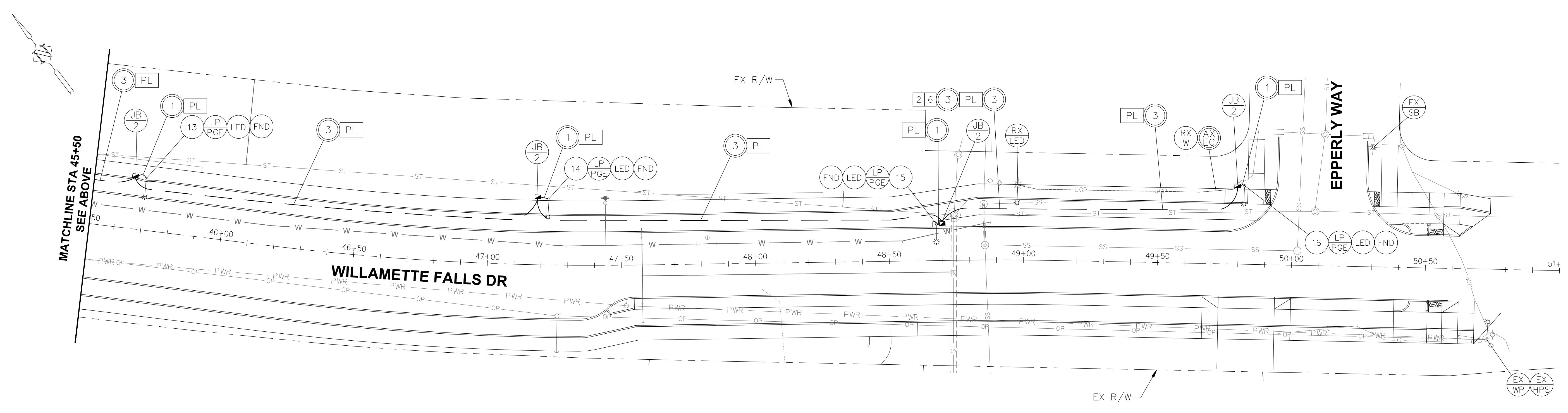
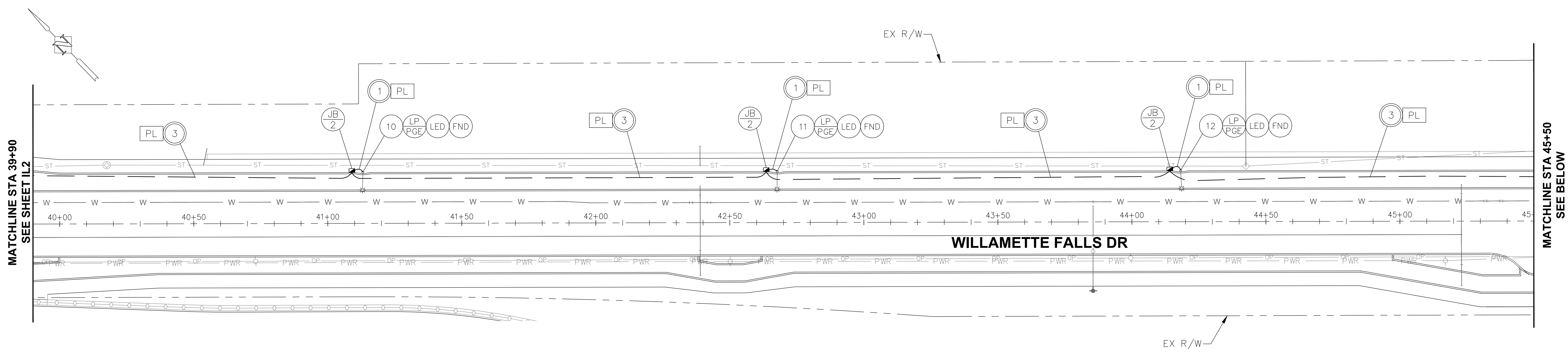
DKS 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



JOB No.: 2000067.00
 DESIGNED BY: RFV
 DRAWN BY: JAI
 CHECKED BY: SMM
 PLOT DATE: 5/24/22 8:45pm
 PLOTTED BY: rxv
 DWG NAME: ILL02.dwg
 TAB NAME: ILL02

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 ILLUMINATION PLAN

SHEET NO.
ILL02
 SHEET 131 OF 153
 RECORD NO.



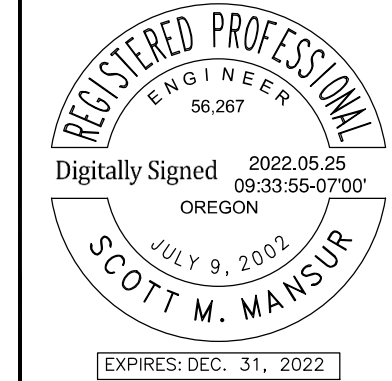
File: X:\Projects\2020\20197-000 (WLWV Athey Creek MS Design)\CAD\IL03.dwg TAB:IL03
 Plotted: 5/24/22 at 9:06pm By:rxv
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:33:15 PM, 05/31/2022

DKS

117 Commercial St NE, Suite 310
 Salem, Oregon 97301
www.dksassociates.com



JOB No.: 2000067.00
 DESIGNED BY: RFV
 DRAWN BY: JAI
 CHECKED BY: SMM
 PLOT DATE: 5/24/22 9:00pm
 PLOTTED BY: rxv
 DWG NAME: IL03.dwg
 TAB NAME: IL03

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

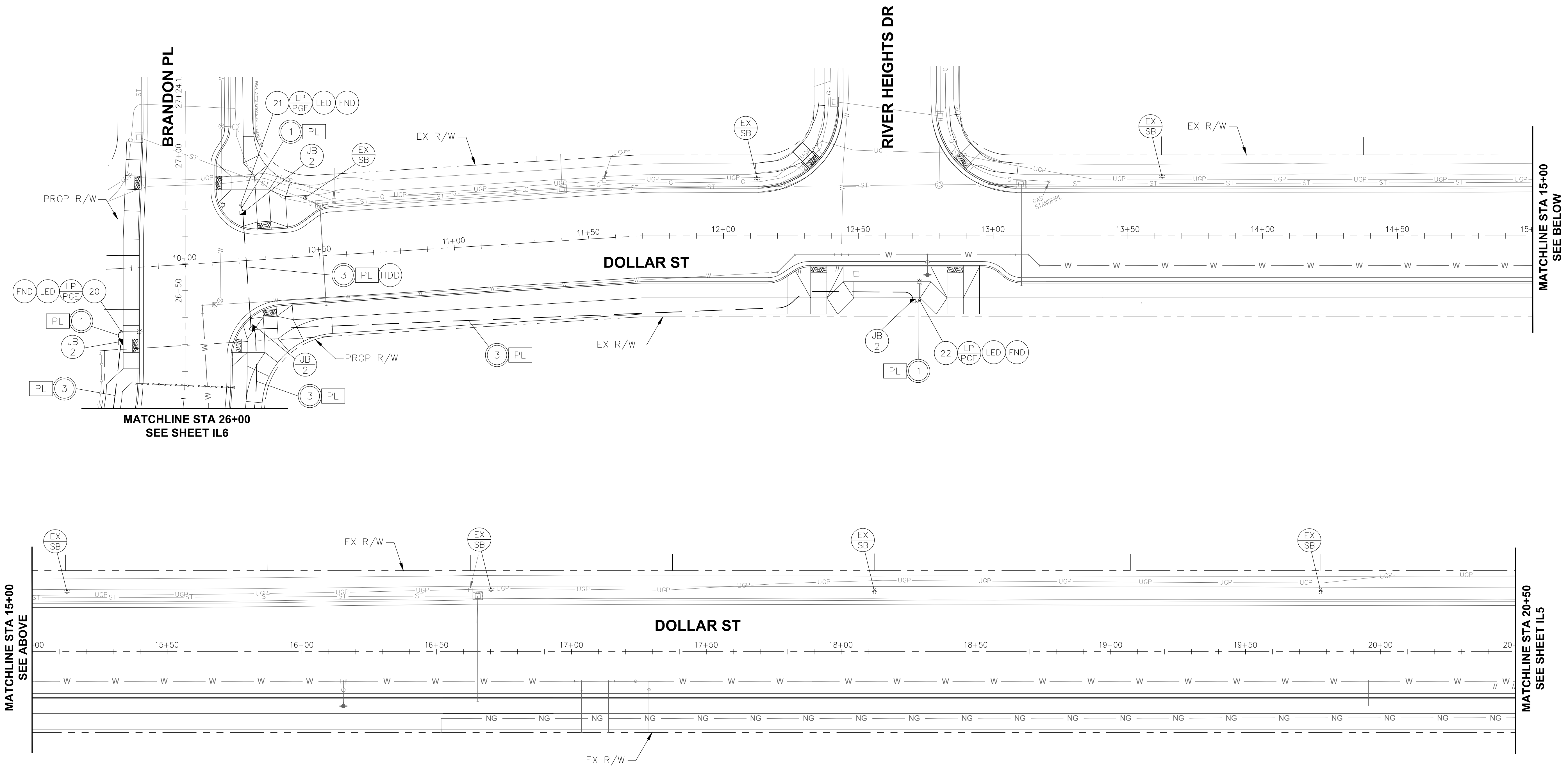
ILLUMINATION PLAN

SHEET NO.

IL03

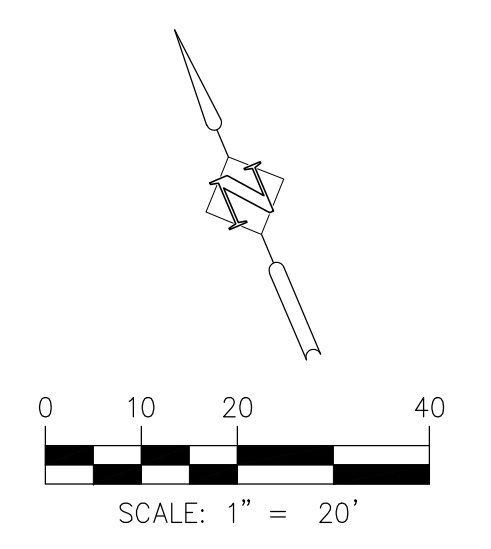
SHEET 132 OF 153
RECORD NO.

File: X:\Projects\2020\20197-000 (WLVV Athey Creek MS Design)\CAD\IL04.dwg TAB:IL04
 Plotted: 5/24/22 at 9:13pm By: rrv
 22x34



MATCHLINE STA 15+00
SEE ABOVE

MATCHLINE STA 20+50
SEE SHEET IL5

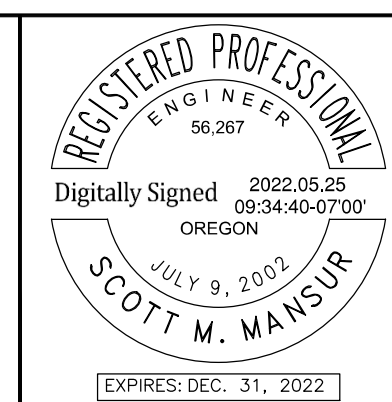


REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:33:27 PM, 05/31/2022

DKS

117 Commercial St NE, Suite 310
 Salem, Oregon 97301
www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 9:13pm
PLOTTED BY:	rxv
DWG NAME:	IL04.dwg
TAB NAME:	IL04

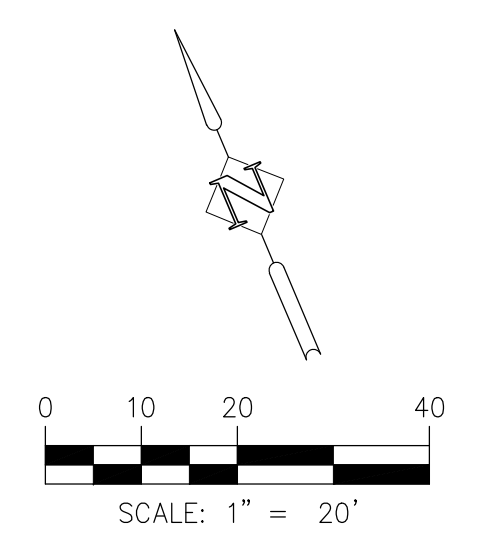
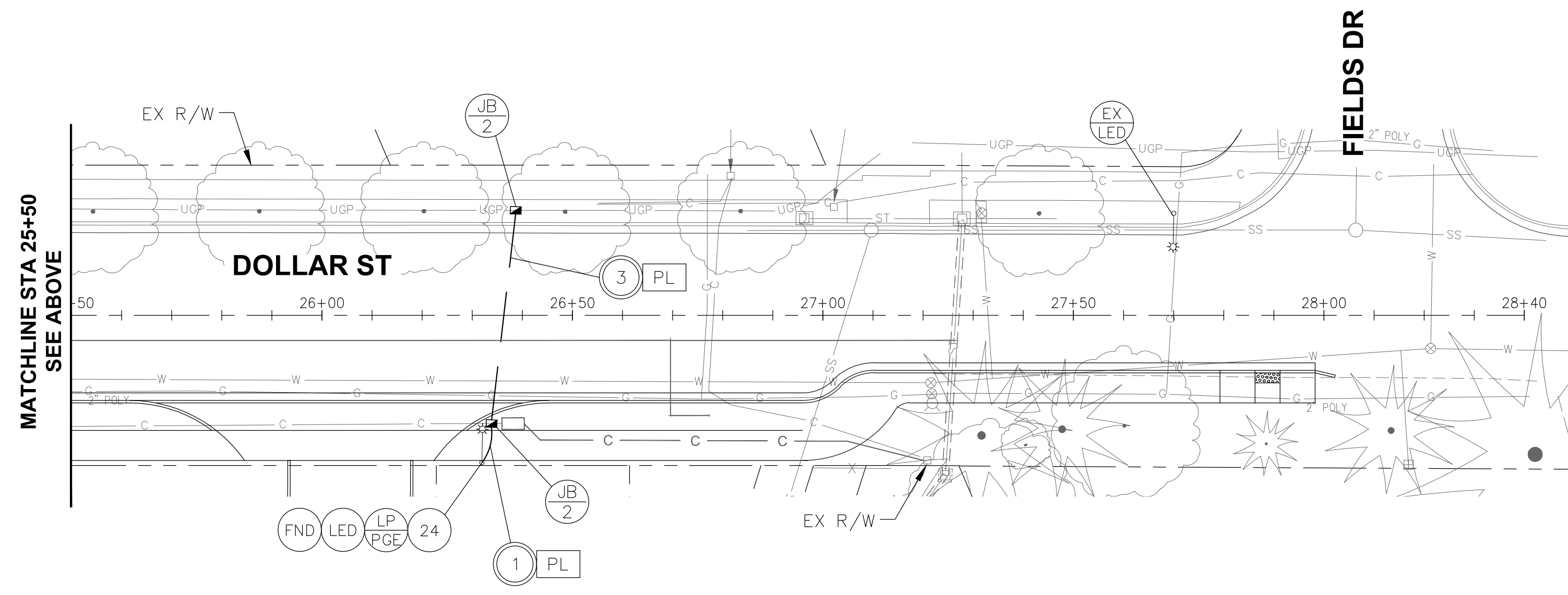
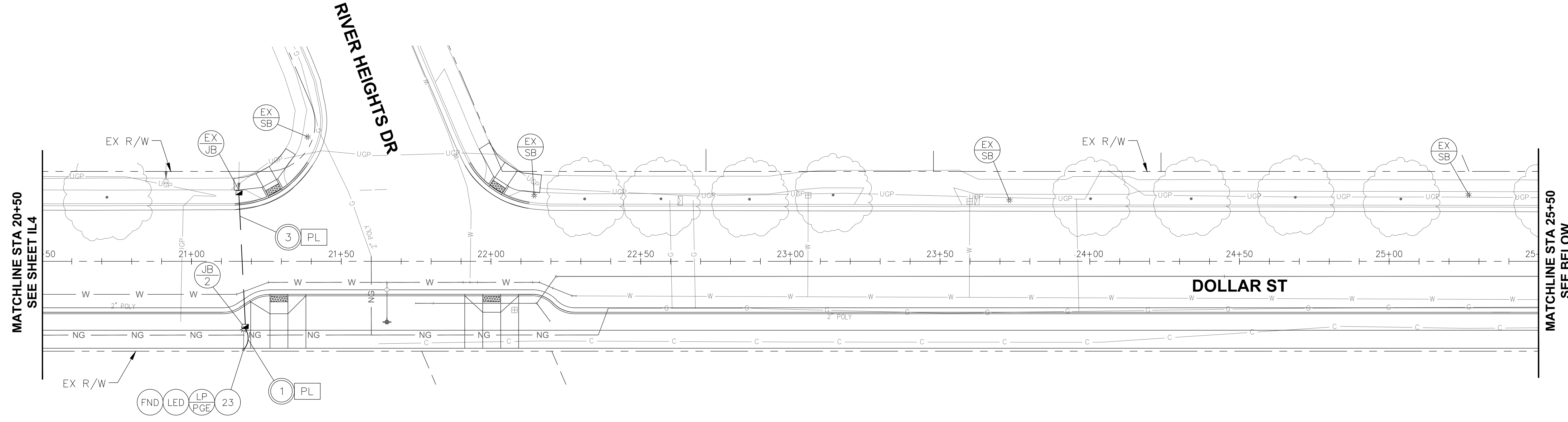
West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

 ILLUMINATION PLAN

SHEET NO.
IL04

SHEET 133 OF 153
RECORD NO.

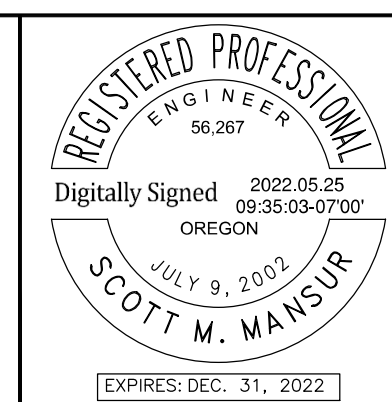


File: X:\Projects\2020\20197-000 (WLVV Athey Creek MS Design)\CAD\ILL05.dwg TAB:ILL05
 Plotted: 5/24/22 at 9:24pm By: rrv

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:33:36 PM, 05/31/2022

DKS 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



JOB No.: 2000067.00
 DESIGNED BY: RFV
 DRAWN BY: JAI
 CHECKED BY: SMM
 PLOT DATE: 5/24/22 9:24pm
 PLOTTED BY: rrv
 DWG NAME: ILL05.dwg
 TAB NAME: ILL05

West Linn, OR 97068

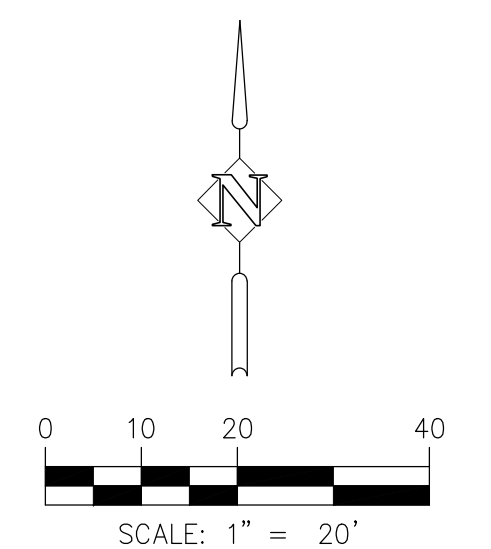
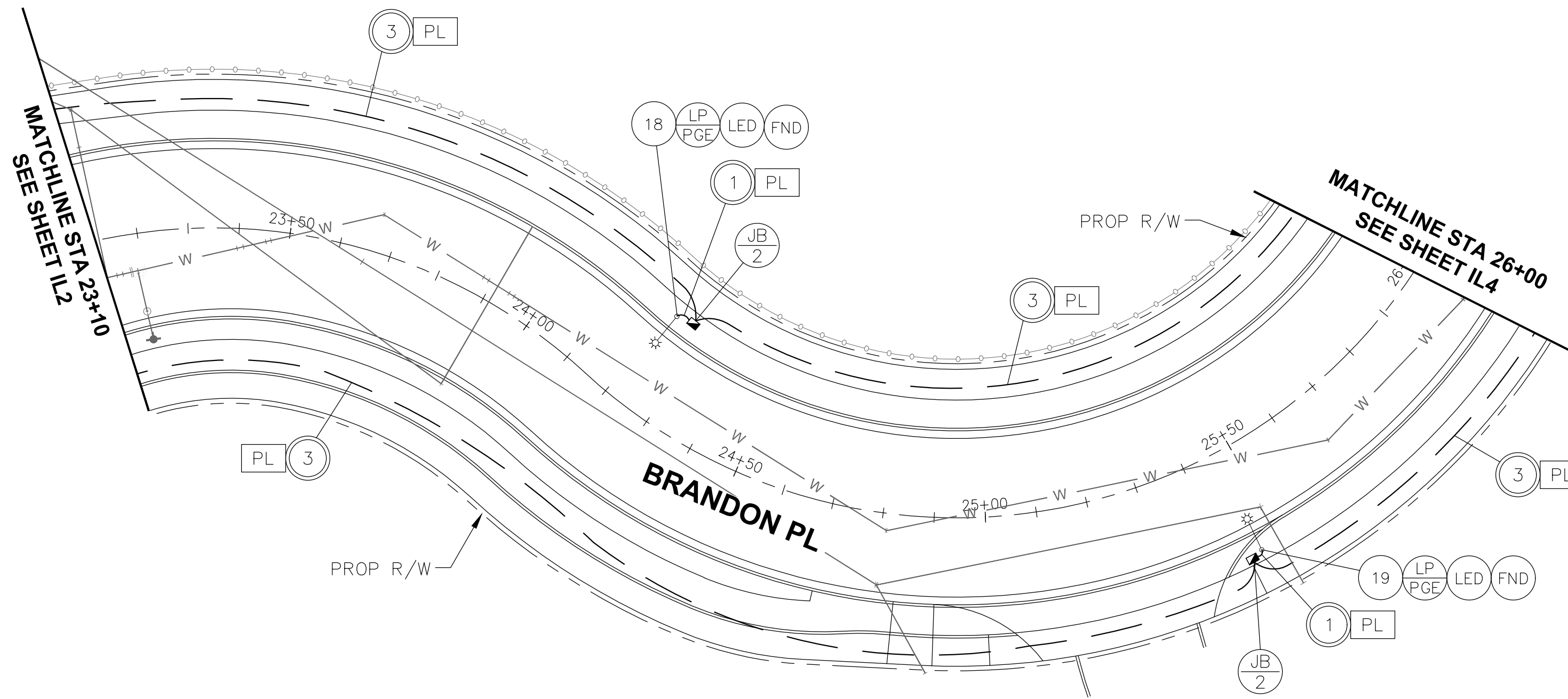
NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

 ILLUMINATION PLAN

SHEET NO.

ILL05

SHEET 134 OF 153
RECORD NO.

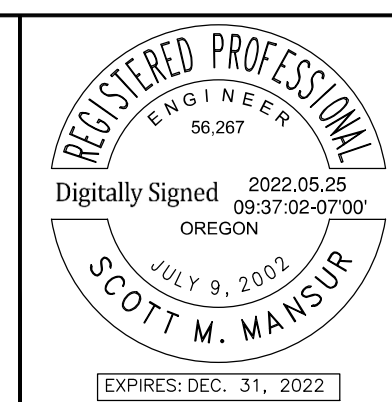


File: X:\Projects\2020\IP20197-000 (WLVV Athey Creek MS Design)\ICAD\IL06.dwg TAB:IL06
 Plotted: 5/24/22 at 9:49pm By: rrv
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:33:48 PM, 05/31/2022

DKS 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
www.dksassociates.com



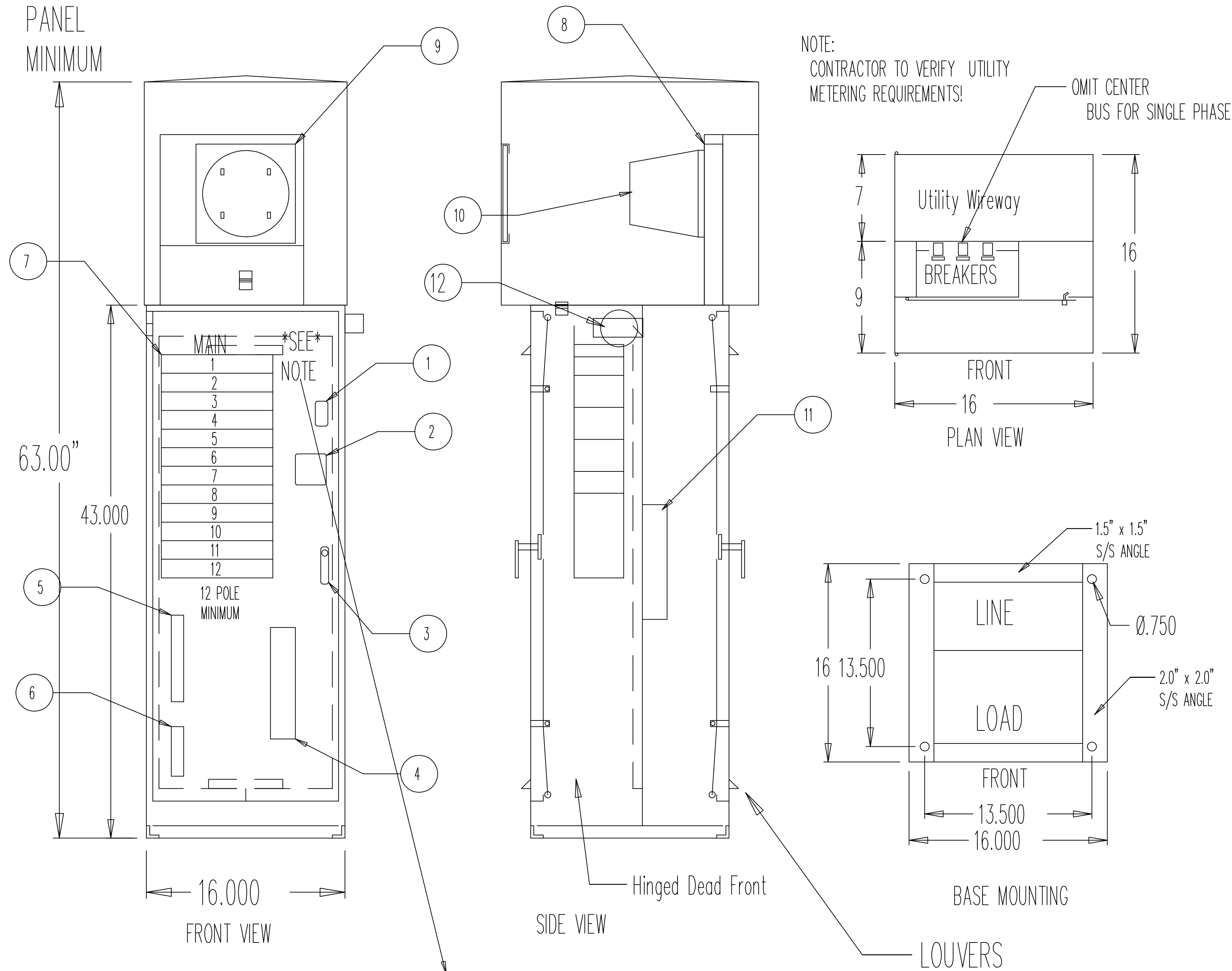
JOB No.: 2000067.00
 DESIGNED BY: RFV
 DRAWN BY: JAI
 CHECKED BY: SMM
 PLOT DATE: 5/24/22 9:49pm
 PLOTTED BY: rrv
 DWG NAME: IL06.dwg
 TAB NAME: IL06

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 ILLUMINATION PLAN

SHEET NO.
IL06
 SHEET 135 OF 153
 RECORD NO.

12 POLE
PANEL
MINIMUM

NEMA 3-R METERED BASE MOUNT SERVICE CABINET CLACKAMAS COUNTY



NOTE:
CONTRACTOR TO VERIFY UTILITY
METERING REQUIREMENTS!
OMIT CENTER
BUS FOR SINGLE PHASE

SERVICE CABINET - BORLAND RD			SERVICE CABINET - WILLAMETTE FALLS DR		
POLE#	DESCRIPTION		POLE#	DESCRIPTION	
1	1-100-2 "MAIN"		1	1-100-2 "MAIN"	
2			2		
3	1-30-2 "SPEED FEEDBACK SIGN"		3	1-30-2 "SCHOOL FLASHERS"	
4			4		
5			5	1-30-2 "SCHOOL FLASHERS"	
6			6		
7			7		
8			8		
9			9		
10			10		
11			11		
12			12		
13			13		
14			14		
15			15		
16			16		
17			17		
18	1 - POLE SPACE		18	1 - POLE SPACE	
19	1 - POLE SPACE		19	1 - POLE SPACE	
20	1 - POLE SPACE		20	1 - POLE SPACE	

12	1	EA	PE CELL BEHIND POLYCARBONITE WINDOW WITH LIGHT DEFLECTING COVER
11	1	EA	POWER COMPANY TERMINAL BLOCK
10	1	EA	METER: SUPPLIED BY OTHER
9	1	EA	WINDOW: POLY CARBONATE ONE SIDE SCRATCH RESISTANT
8	1	EA	METERBASE: CIRCLE AW, 20324L, 1-P, 4-JAW, 600-VOLT, 200-AMP.
7	4	EA	BREAKERS: G.E. TYPE T.E.D., 18K, AIC @ 240-VOLT.
6	2	EA	COPPER GROUND BAR
5	2	EA	100% RATED COPPER NEUTRAL.
4	1	EA	TERMINAL BLOCK FOR ILLUMINATION HOOK UP
3	1	EA	HANDLE: PAD LOCKABLE SS 73-NS
2	1	EA	CONTACTOR: G.E. CR360L, 600V, 30A, 120V COIL
1	1	EA	TEST SWITCH: HUBBEL 1221 20A 1P 120\277V

Item Qty U\M Description

BILL OF MATERIALS

FOUCH ELECTRIC MFG. CO. INC.

2138 N INTERSTATE AVE. PORTLAND, OREGON. 97227	EMAIL: sales@fouch.com WEB: www.Fouch.com
JOB NAME: CLACKAMAS COUNTY	
CONTRACTOR: CLACKAMAS COUNTY	
DWG#: 0600-0074-00	REV: 01

- UL 67 LABELED PANELBOARD
- DEADFRONT CONSTRUCTED OF 14 GA TYPE 304 #4 SS BACKPAN 12GA TYPE 304 SS
- CABINET CONSTRUCTED OF 14-GA TYPE-304 SS (GALVANIZED, PAINTED, MILD STEEL OPTIONAL)

NOTE: IF PE CELL IS REQUIRED, LOWER TEST SWITCH APP 6" AND INSTALL A GLASTIC BARRIER BETWEEN PANEL AND PE CELL

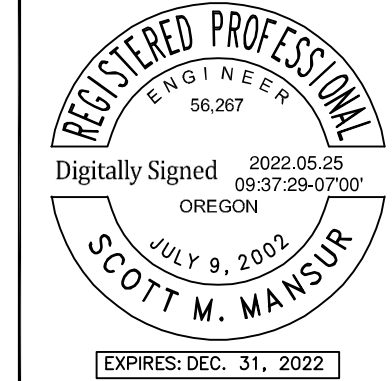
NOTE: MARATHON 1206 TERMINAL BLOCKS PROVIDED. WIRE RANGE IS #18 - #4 CU. CUSTOMER MUST NOTIFY IF OTHER SIZES ARE REQUIRED.

File: X:\Projects\2020\2019\07-000 (N\WV Atney Creek MS Design)\CAD\ILO7.dwg TAB ILO7
Plotted: 5/24/22 at 8:34am by: kiaradrake

REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:33:56 PM, 05/31/2022

DKS 117 Commercial St NE, Suite 310
Salem, Oregon 97301
www.dksassociates.com



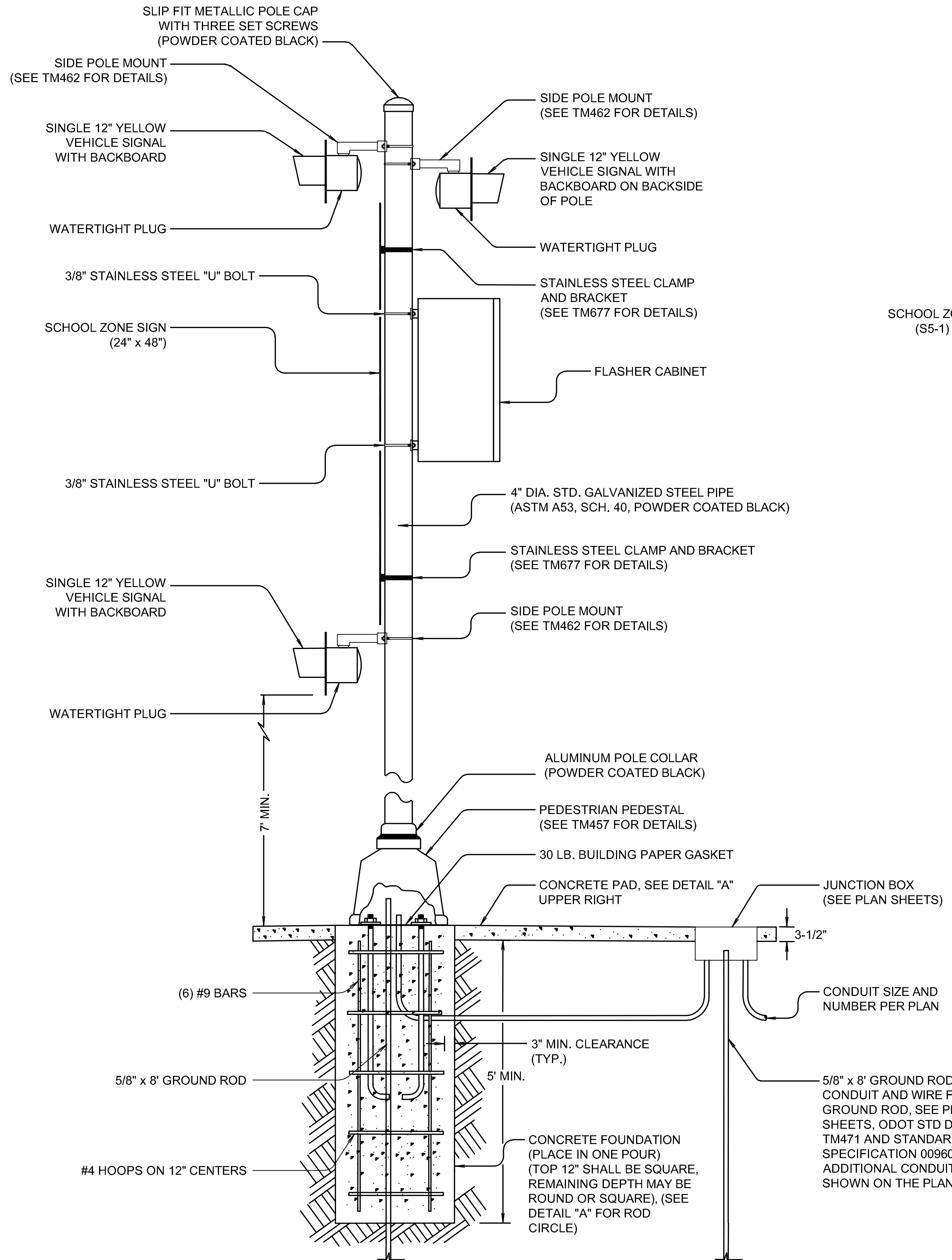
JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:34am
PLOTTED BY:	kiara.drake
DWG NAME:	ILO7.dwg
TAB NAME:	ILO7

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

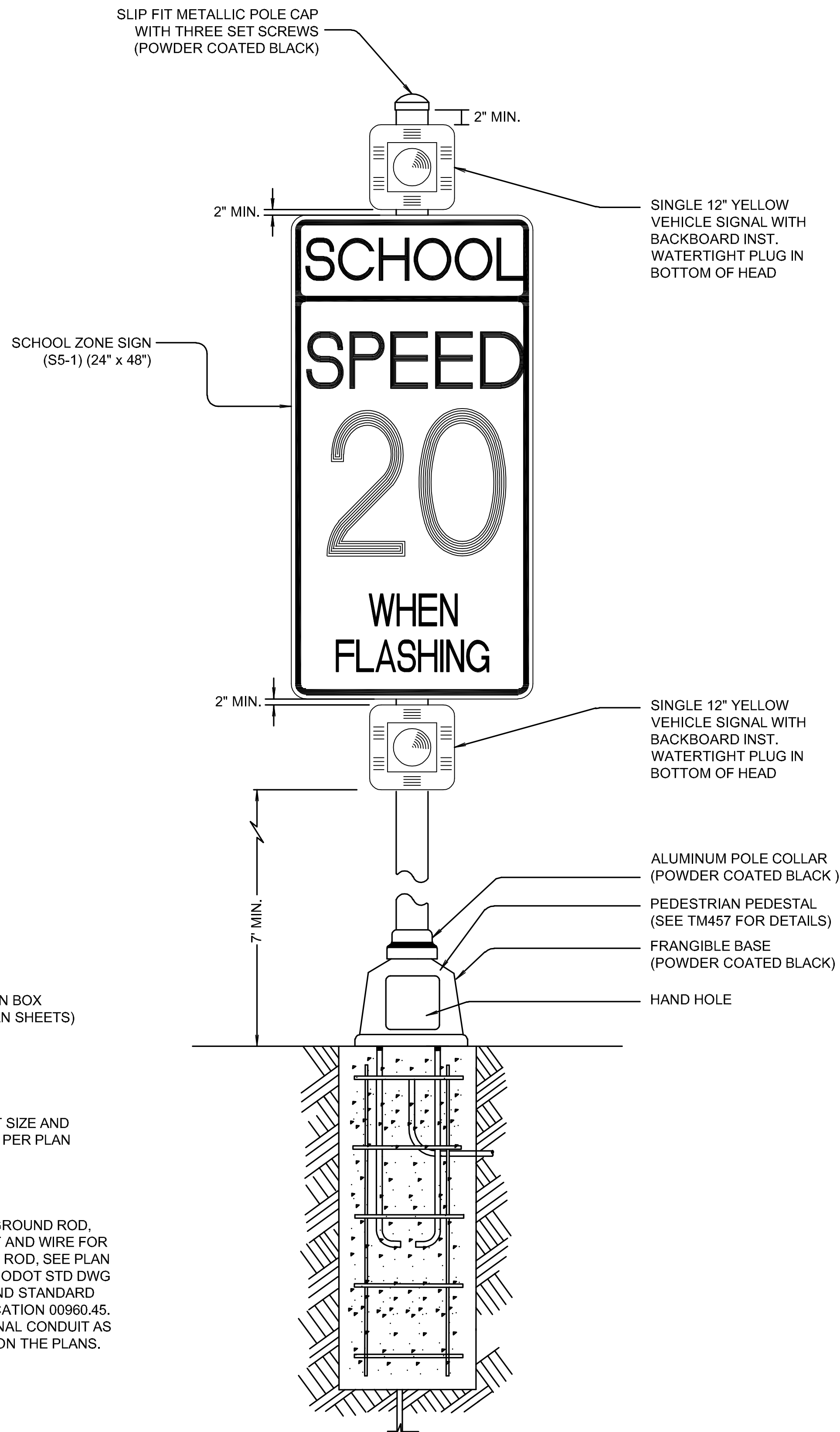
SERVICE CABINET DETAILS

SHEET NO.
ILO7
SHEET 136 OF 153
RECORD NO.



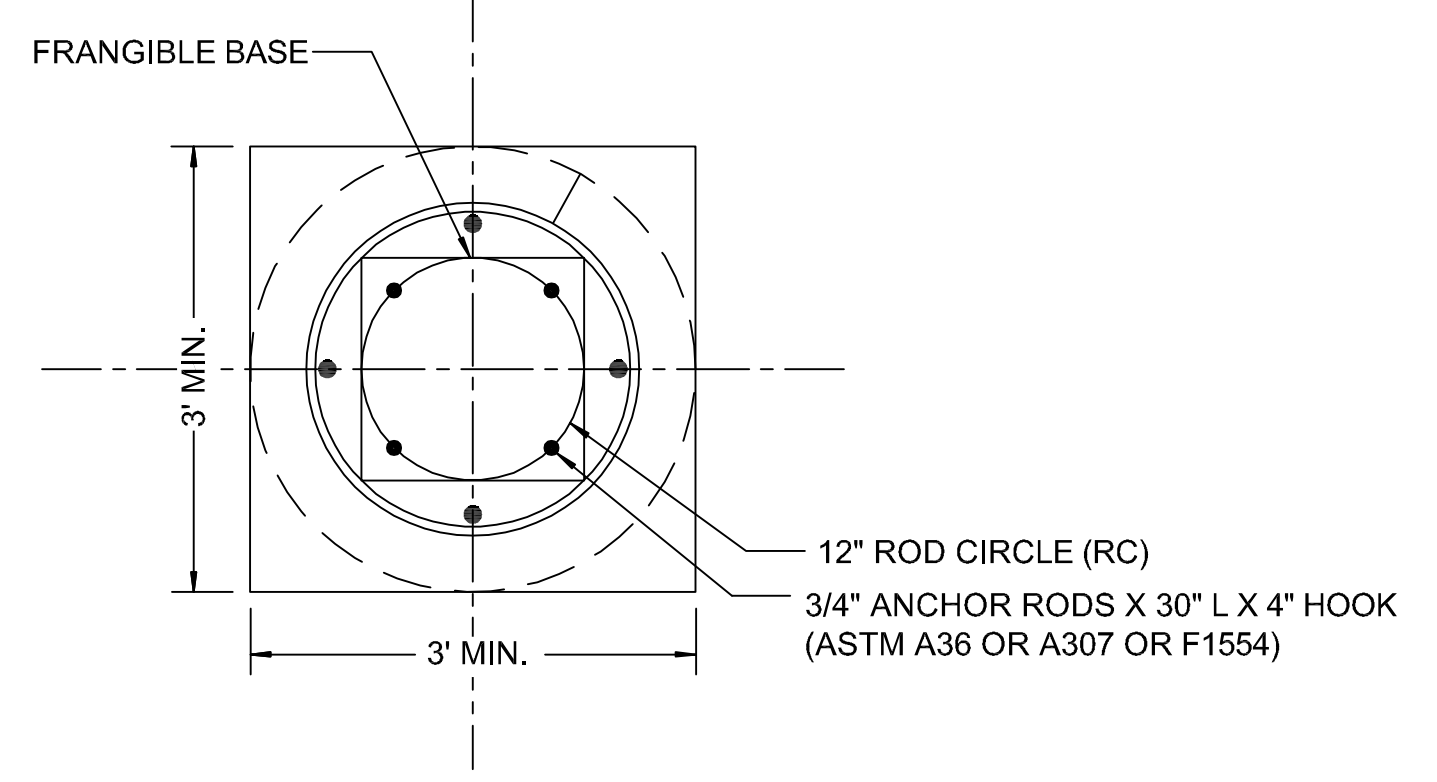
SCHOOL ZONE FLASHER

TYPICAL
N.T.S.



SCHOOL ZONE FLASHER

TYPICAL FORWARD FACING
N.T.S.



DETAIL "A"

GENERAL NOTES

- ALL SCHOOL ZONE FLASHERS SHALL BE ACTIVATED ON THE SAME DAY.
- EXISTING SCHOOL ZONE SIGNS SHALL NOT BE REMOVED UNTIL NEW FLASHER UNITS ARE OPERATIONAL.
- INSTALLATIONS THAT HAVE NOT BEEN ACTIVATED SHALL BE COVERED.
- COORDINATE INSPECTION AND TURN ON OF FLASHER UNITS WITH CLACKAMAS COUNTY. PROVIDE ONE WEEK NOTICE PRIOR TO TURN ON.
- AIM FLASHER HEADS SO THEY ARE VISIBLE TO ONCOMING VEHICLE TRAFFIC.
- ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO 02560.20 AND BE GALVANIZED STEEL ACCORDING TO 02560.40 UNLESS NOTED OTHERWISE.
- ALL ANCHOR RODS SHALL BE GALVANIZED STEEL CONFORMING TO 02560.30.
- ALL POLE ENTRANCES CONTAINING WIRING SHALL BE SMOOTH.
- INSTALL 1/4" THICK PREFORMED EXPANSION JOINT FILLER AROUND FOOTING IN SIDEWALK AREA AS PER TM653.
- TOP OF FOUNDATIONS SHALL HAVE 0" - 1/4" EXPOSURE ABOVE FINISH GRADE.
- FLAT SIDE OF FOUNDATION SHOULD LINE UP WITH BACK OF SIDEWALK (WHERE SIDEWALK IS PRESENT).
- SEE ODOT STANDARD DRAWING TM471 FOR ADDITIONAL CONDUIT INSTALLATION DETAILS.
- ALL ATTACHED HARDWARE SHALL BE POWDER COATED BLACK.

COMMUNICATION REQUIREMENTS

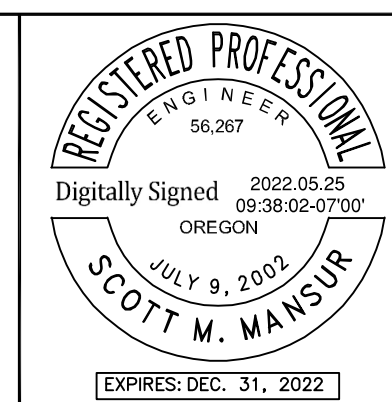
- EACH SCHOOL ZONE FLASHER ASSEMBLY SHALL INCLUDE AN AI-500-070 SCHOOL BEACON TIMER SWITCH, AND CELLULAR MODEM INSTALLED IN THE FLASHER CONTROL CABINET. EACH MODEM SHALL COME WITH A 5 YEAR DATA/SERVICE PLAN. START DATE FOR DATA/SERVICE ACTIVATION SHALL BE COORDINATION WITH CLACKAMAS COUNTY.

File: X:\Projects\2020\20197-000 (WLVV, Alley Creek, MS Design)\CAD\I\ILO8.dwg TAB: ILO8
 Plotted: 5/24/22 at 0:35am by: kiaradrake
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:34:07 PM, 05/31/2022

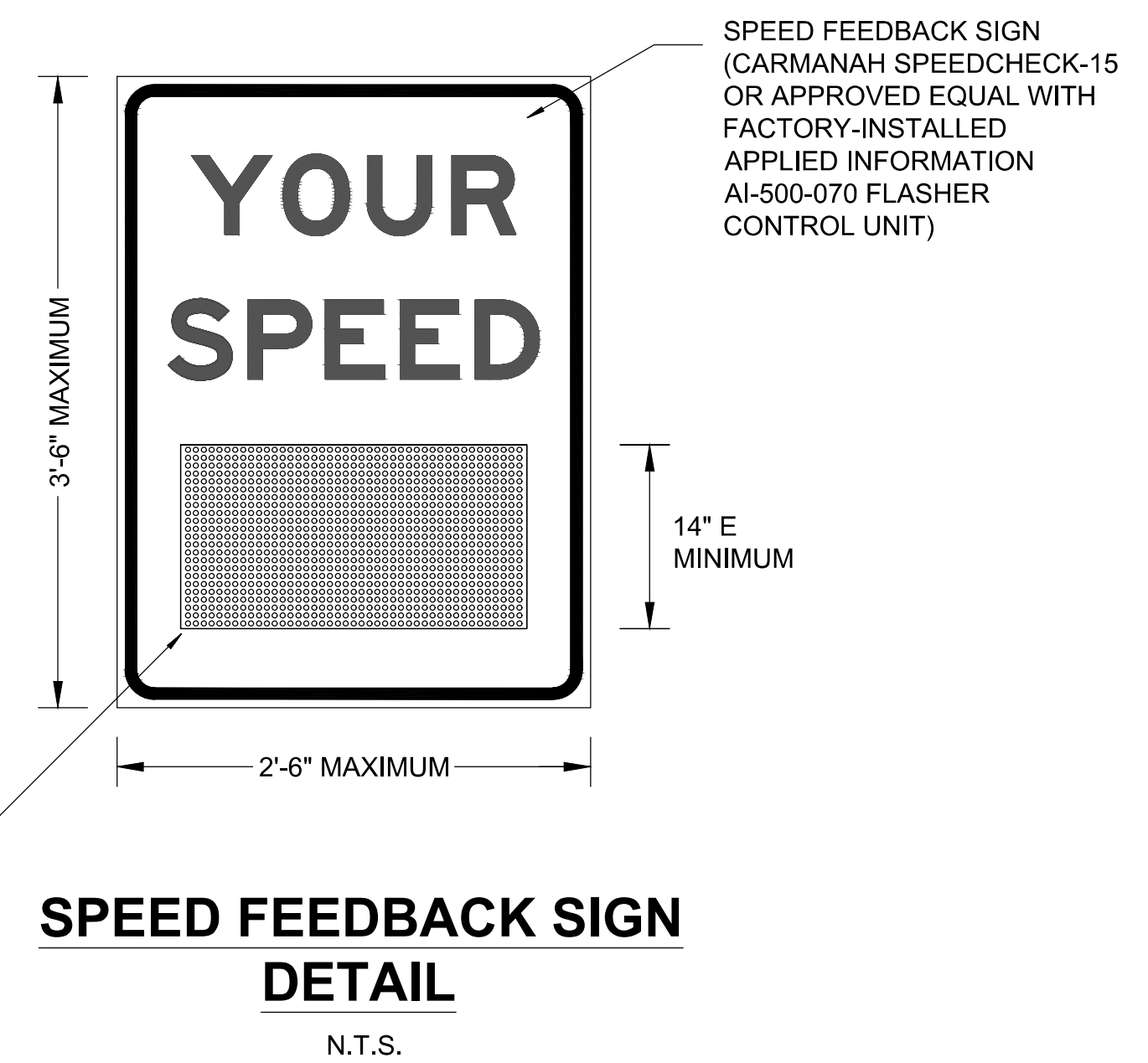
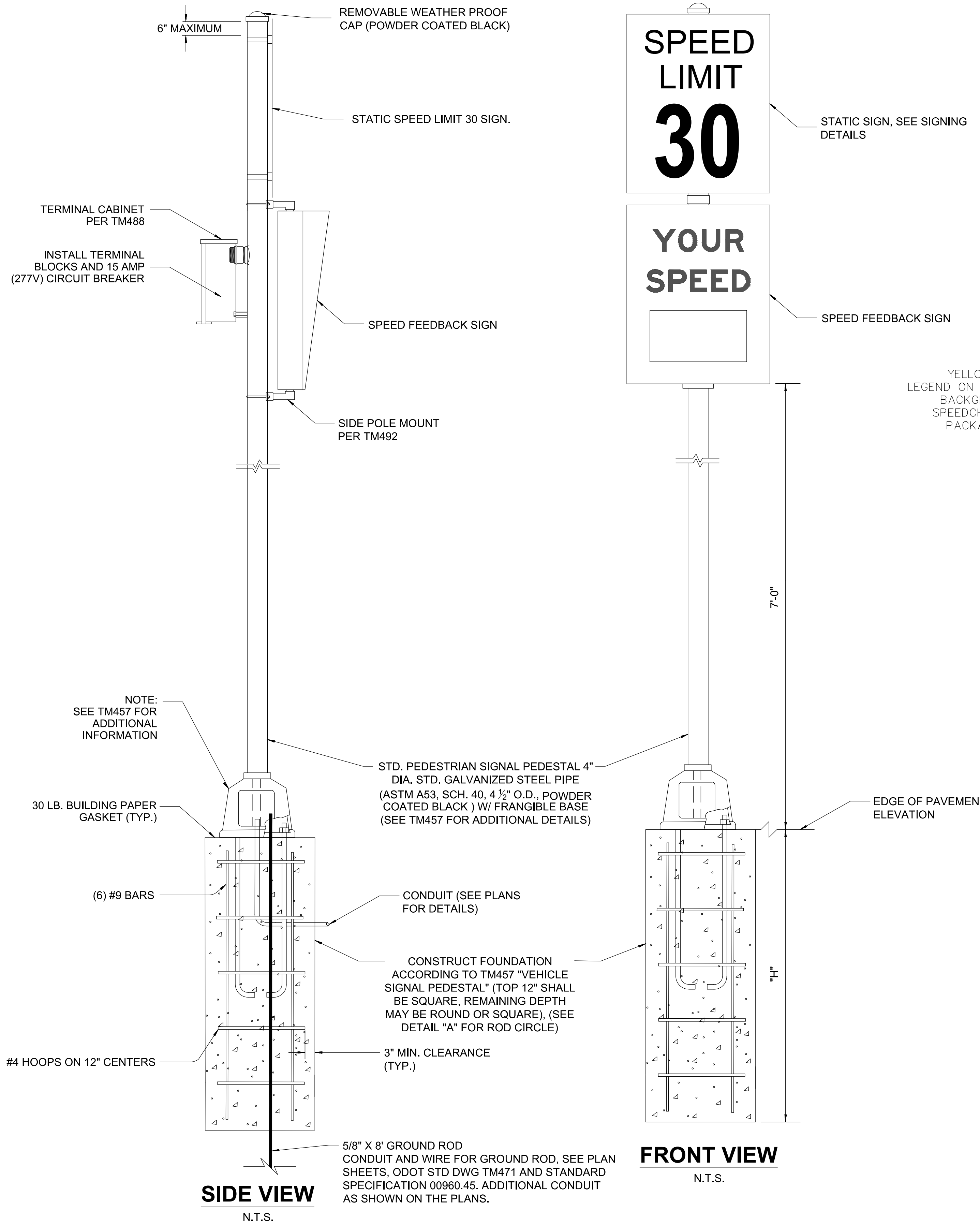
DKS 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:34am
PLOTTED BY:	kiara.drake
DWG NAME:	ILO8.dwg
TAB NAME:	ILO8

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 ILLUMINATION DETAILS

SHEET NO.
ILO8
 SHEET 137 OF 153
 RECORD NO.



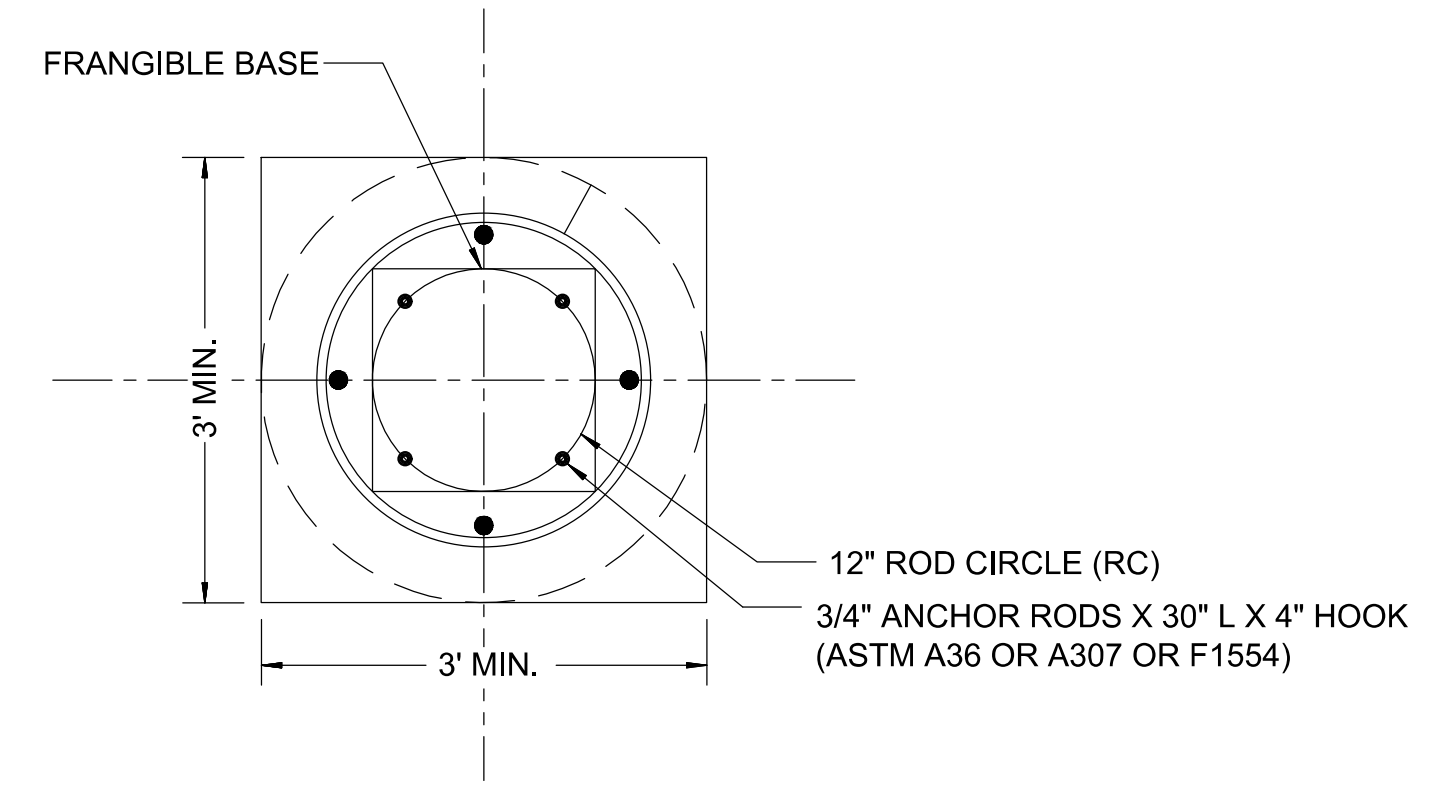
SIGNING DETAILS

GENERAL NOTES

1. ALL SPEED FEEDBACK SIGN SHALL BE ACTIVATED ON THE SAME DAY.
2. EXISTING SPEED LIMIT SIGNS SHALL NOT BE REMOVED UNTIL NEW FLASHER UNITS ARE OPERATIONAL.
3. INSTALLATIONS THAT HAVE NOT BEEN ACTIVATED SHALL BE COVERED.
4. COORDINATE INSPECTION AND TURN ON OF FLASHER UNITS WITH CLACKAMAS COUNTY. PROVIDE ONE WEEK NOTICE PRIOR TO TURN ON.
5. AIM FLASHER HEADS SO THEY ARE VISIBLE TO ONCOMING VEHICLE TRAFFIC.
6. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO 02560.20 AND BE GALVANIZED STEEL ACCORDING TO 02560.40 UNLESS NOTED OTHERWISE.
7. ALL ANCHOR RODS SHALL BE GALVANIZED STEEL CONFORMING TO 02560.30.
8. ALL POLE ENTRANCES CONTAINING WIRING SHALL BE SMOOTH.
9. INSTALL 1/4" THICK PREFORMED EXPANSION JOINT FILLER AROUND FOOTING IN SIDEWALK AREA AS PER TM653.
10. TOP OF FOUNDATIONS SHALL HAVE 0" - 1/4" EXPOSURE ABOVE FINISH GRADE.
11. FLAT SIDE OF FOUNDATION SHOULD LINE UP WITH BACK OF SIDEWALK (WHERE SIDEWALK IS PRESENT).
12. SEE ODOT STANDARD DRAWING TM471 FOR ADDITIONAL CONDUIT INSTALLATION DETAILS.
13. ALL ATTACHED HARDWARE SHALL BE POWER COATED BLACK.

COMMUNICATION REQUIREMENTS

1. EACH SPEED FEEDBACK SIGN ASSEMBLY SHALL INCLUDE AN AI-500-070 SCHOOL BEACON TIMER SWITCH, AND CELLULAR MODEM INSTALLED IN THE FLASHER CONTROL CABINET. EACH MODEM SHALL COME WITH A 5 YEAR DATA/SERVICE PLAN. START DATE FOR DATA/SERVICE ACTIVATION SHALL BE COORDINATION WITH CLACKAMAS COUNTY.



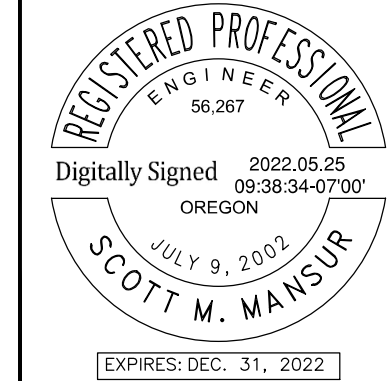
DETAIL "A"

File: X:\Projects\2020\197-000 (WLVV Athey Creek MS Design)\CAD\IL09.dwg TAB:IL09
 Plotted: 5/24/22 at 10:01pm By: rxx
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:34:15 PM, 05/31/2022

DKS 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



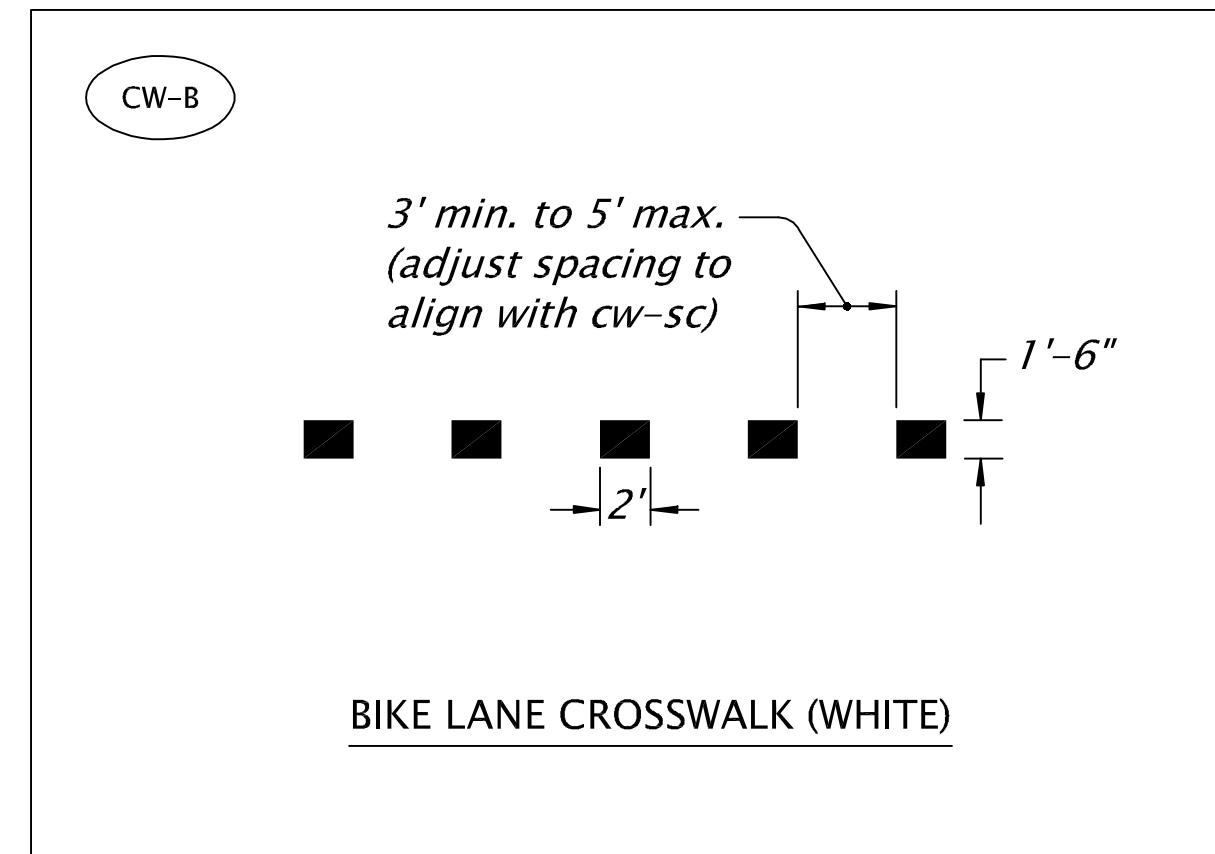
JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 10:01pm
PLOTTED BY:	rxx
DWG NAME:	IL09.dwg
TAB NAME:	IL09

West Linn, OR 97068	
NEW ATHEY CREEK MIDDLE SCHOOL PUBLIC IMPROVEMENT PLANS	
ILLUMINATION DETAILS	

SHEET NO.	IL09
SHEET 138 OF 153	RECORD NO.

LEGEND

- W Install 4' white line.
- W-2 Install 8' white line.
- WD-2 Install 8' white dotted line.
- Y Install 4' yellow line.
- D Install double no-pass two 4" yellow lines.
- ND Install narrow double no-pass two 4" yellow lines.
- YLD Install yield line (white).
- Y
R-20 Install yellow line positioning guide reflectors with 4' yellow line.
- D
R-20 Install double no-pass positioning guide reflectors at 20' spacing with two 4" yellow lines.
- D
R-40 Install double no-pass positioning guide reflectors at 40' spacing with two 4" yellow lines.
- ND
R-20 Install narrow double yellow positioning guide reflectors at 20' spacing with two 4" yellow lines.
- S Install 12" white stop bar.
- CW-SC Install staggered continental crosswalk 2' bars (white).
- CW-B Install bike lane crosswalk 1' bars (see detail this sheet).
- IA-CR Install Island Alert Curb Marker (Traffic Safety Supply Co. or approved equal). Coordinate with City Engineer prior to installation to confirm location and installation method.



GENERAL NOTES:

1. Match points to existing striping and station call-outs are approximate and shall be field verified.
2. All permanent striping shall be thermoplastic pavement marking material except as noted. See ODOT Special Provisions Sections 00850 and 00865.
3. Accompanied by Standard Drawings:
 ODOT TM500 Pavement marking standard detail blocks
 ODOT TM500 Pavement marking standard detail blocks
 ODOT TM500 Pavement marking standard detail blocks
 ODOT TM500 Pavement marking standard detail blocks
 ODOT TM560 Alignment layout: general

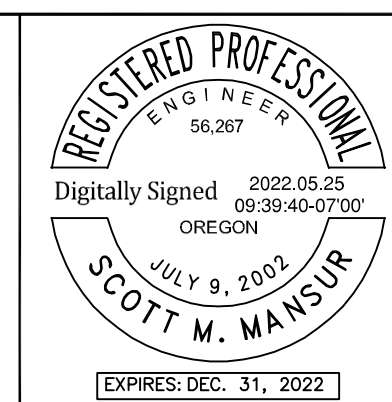
File: X:\Projects\2020\2020\197-000 (WL)WV Atthey Creek MS Design\CADD\SS01.dwg TAB:SS01
 Plotted: 5/24/22 at 8:34am By: kiara.drake
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:34:23 PM, 05/31/2022

DKS

117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



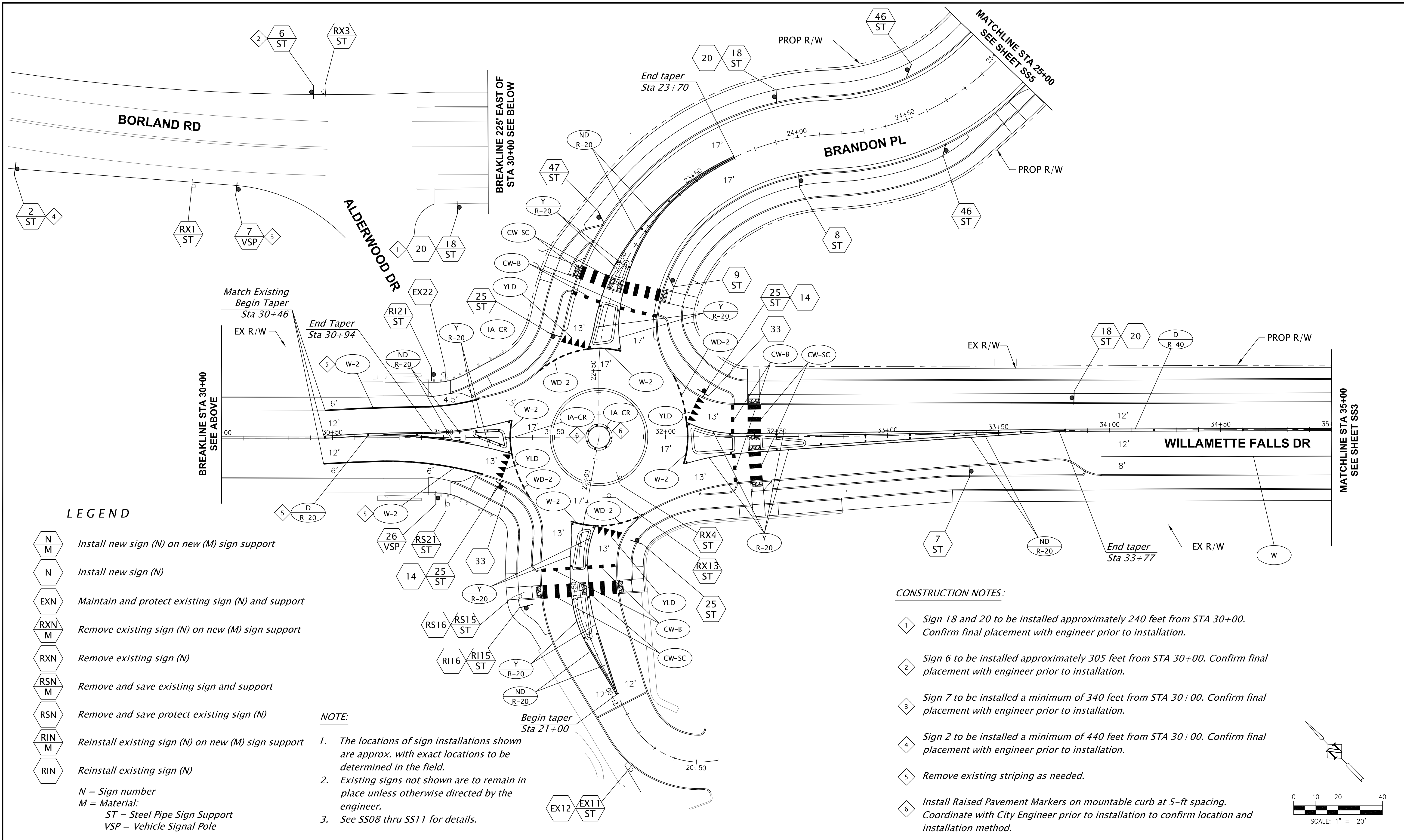
JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:34am
PLOTTED BY:	kiara.drake
DWG NAME:	SS01.dwg
TAB NAME:	SS01

West Linn, OR 97068

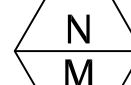








NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

STRIPING DETAILS

SHEET NO.
SS01
SHEET 139 OF 153
RECORD NO.



LEGEND

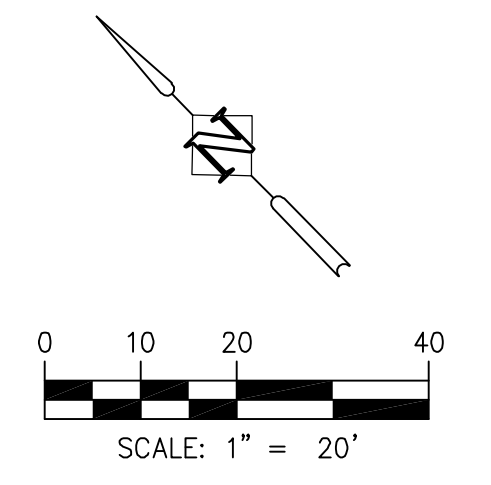
-  Install new sign (N) on new (M) sign support
 -  Install new sign (N)
 -  Maintain and protect existing sign (N) and support
 -  Remove existing sign (N) on new (M) sign support
 -  Remove existing sign (N)
 -  Remove and save existing sign and support
 -  Remove and save protect existing sign (N)
 -  Reinstall existing sign (N) on new (M) sign support
 -  Reinstall existing sign (N)
- N = Sign number
M = Material:
ST = Steel Pipe Sign Support
VSP = Vehicle Signal Pole

NOTE:

1. The locations of sign installations shown are approx. with exact locations to be determined in the field.
2. Existing signs not shown are to remain in place unless otherwise directed by the engineer.
3. See SS08 thru SS11 for details.

CONSTRUCTION NOTES:

1. Sign 18 and 20 to be installed approximately 240 feet from STA 30+00. Confirm final placement with engineer prior to installation.
2. Sign 6 to be installed approximately 305 feet from STA 30+00. Confirm final placement with engineer prior to installation.
3. Sign 7 to be installed a minimum of 340 feet from STA 30+00. Confirm final placement with engineer prior to installation.
4. Sign 2 to be installed a minimum of 440 feet from STA 30+00. Confirm final placement with engineer prior to installation.
5. Remove existing striping as needed.
6. Install Raised Pavement Markers on mountable curb at 5-ft spacing. Coordinate with City Engineer prior to installation to confirm location and installation method.

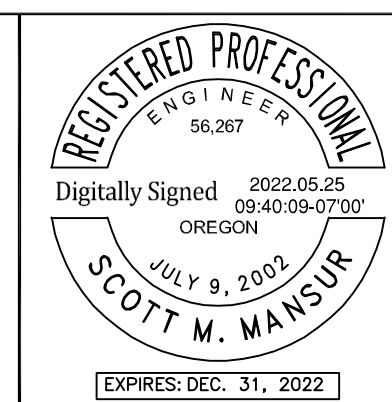


File: X:\Projects\2020\2019\000 (MLV) Atney Creek MS Design\CAD\SS02.dwg TAB:SS02
 Plotted: 5/24/22 at 03:44:57 PM by: kiaradrake
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:34:33 PM, 05/31/2022


DKS
 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:34am
PLOTTED BY:	kiara.drake
DWG NAME:	SS02.dwg
TAB NAME:	SS02

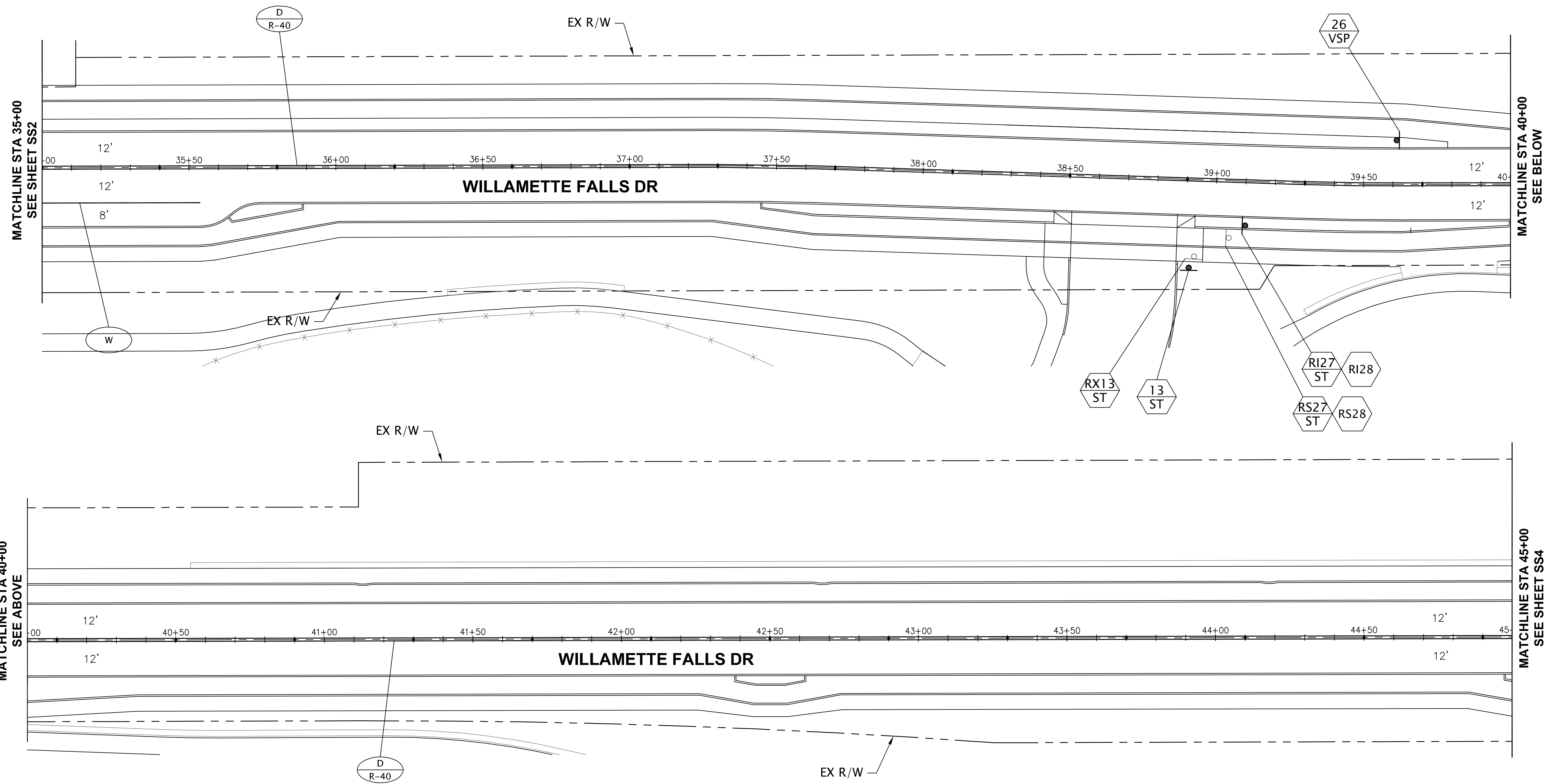
West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 SIGNING/STRIPING PLAN

SHEET NO.

SS02

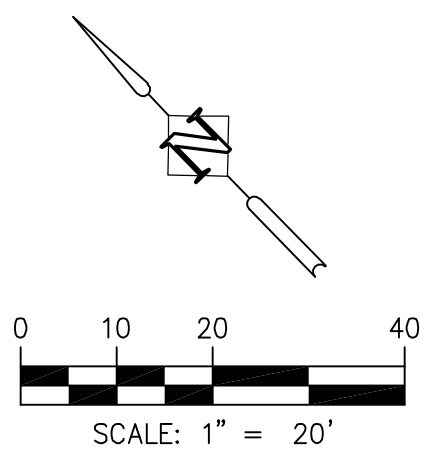
SHEET 140 OF 153
RECORD NO.



LEGEND

- | | | | |
|--|--|--|---|
| | Install new sign (N) on new (M) sign support | | Remove and save existing sign and support |
| | Remove existing sign (N) on new (M) sign support | | Remove and save protect existing sign (N) |
| | Remove existing sign (N) | | Reinstall existing sign (N) on new (M) sign support |
| | N = Sign number | | Reinstall existing sign (N) |
| | M = Material: | | |
| | ST = Steel Pipe Sign Support | | |

- NOTE:**
- The locations of sign installations shown are approx. with exact locations to be determined in the field.
 - Existing signs not shown are to remain in place unless otherwise directed by the engineer.
 - See SS08 thru SS11 for details.

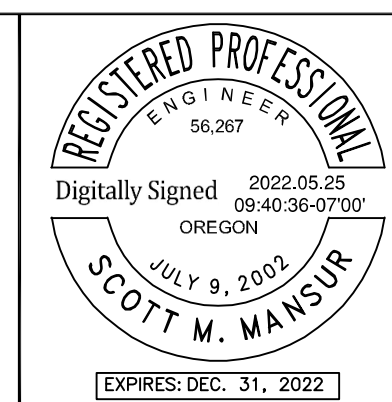


File: X:\Projects\2020\2019\07-000 (WL) VV, Alley Creek, MS Design\CAD\SS03.dwg, TAB:SS03
 Plotted: 5/24/22 at 03:54am by: kiara.drake
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:35:07 PM, 05/31/2022

DKS
 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com

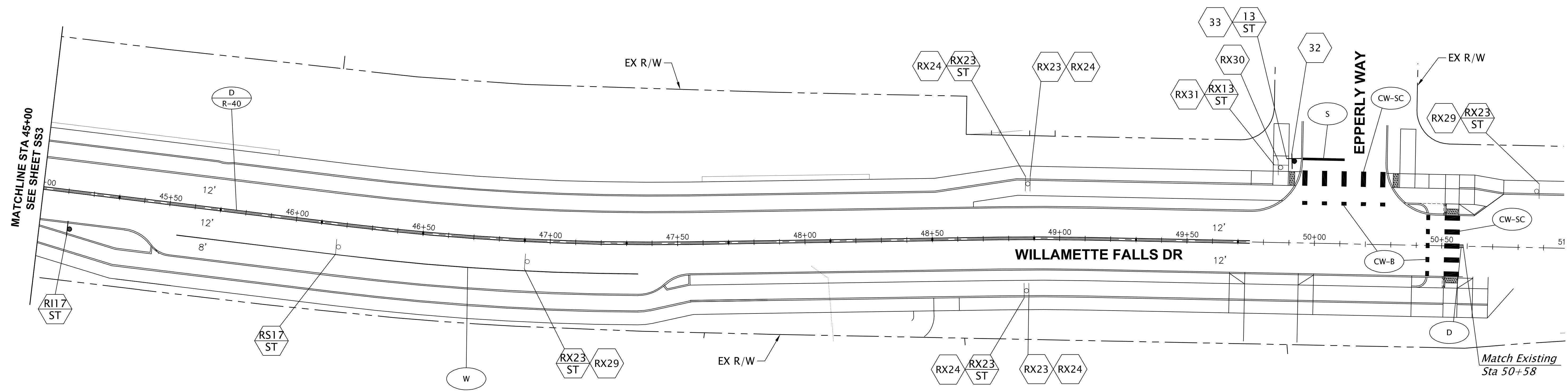


JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:34am
PLOTTED BY:	kiara.drake
DWG NAME:	SS03.dwg
TAB NAME:	SS03


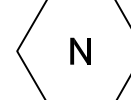




West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 SIGNING/STRIPING PLAN

SHEET NO.
SS03
 SHEET 141 OF 153
 RECORD NO.

File: X:\Projects\2020\2019\000 (MLV) Atney Creek MS Design\CAD\SS04.dwg TAB:SS04
 Plotted: 5/24/22 at 8:34am By: kiara.drake
 22x34



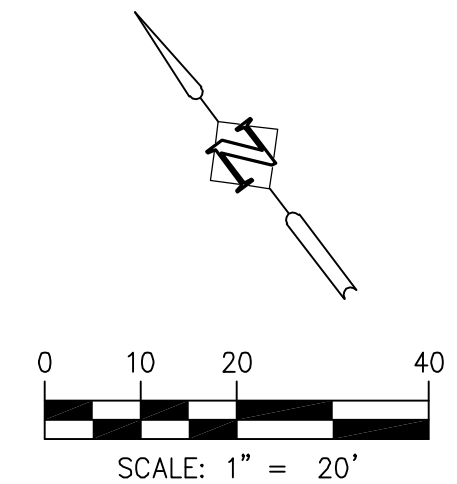
LEGEND

-  Install new sign (N) on new (M) sign support
-  Install new sign (N)
-  Remove existing sign (N) on new (M) sign support
-  Remove existing sign (N)
-  Remove and save existing sign and support
-  Reinstall existing sign (N) on new (M) sign support

N = Sign number
 M = Material:
 ST = Steel Pipe Sign Support
 VSP = Vehicle Signal Pole

NOTE:

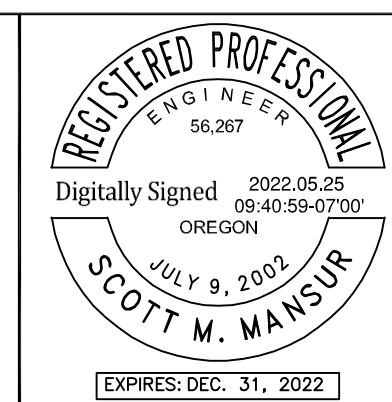
1. The locations of sign installations shown are approx. with exact locations to be determined in the field.
2. Existing signs not shown are to remain in place unless otherwise directed by the engineer.
3. See SS08 thru SS11 for details.



REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:35:15 PM, 05/31/2022

DKS 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:34am
PLOTTED BY:	kiara.drake
DWG NAME:	SS04.dwg
TAB NAME:	SS04

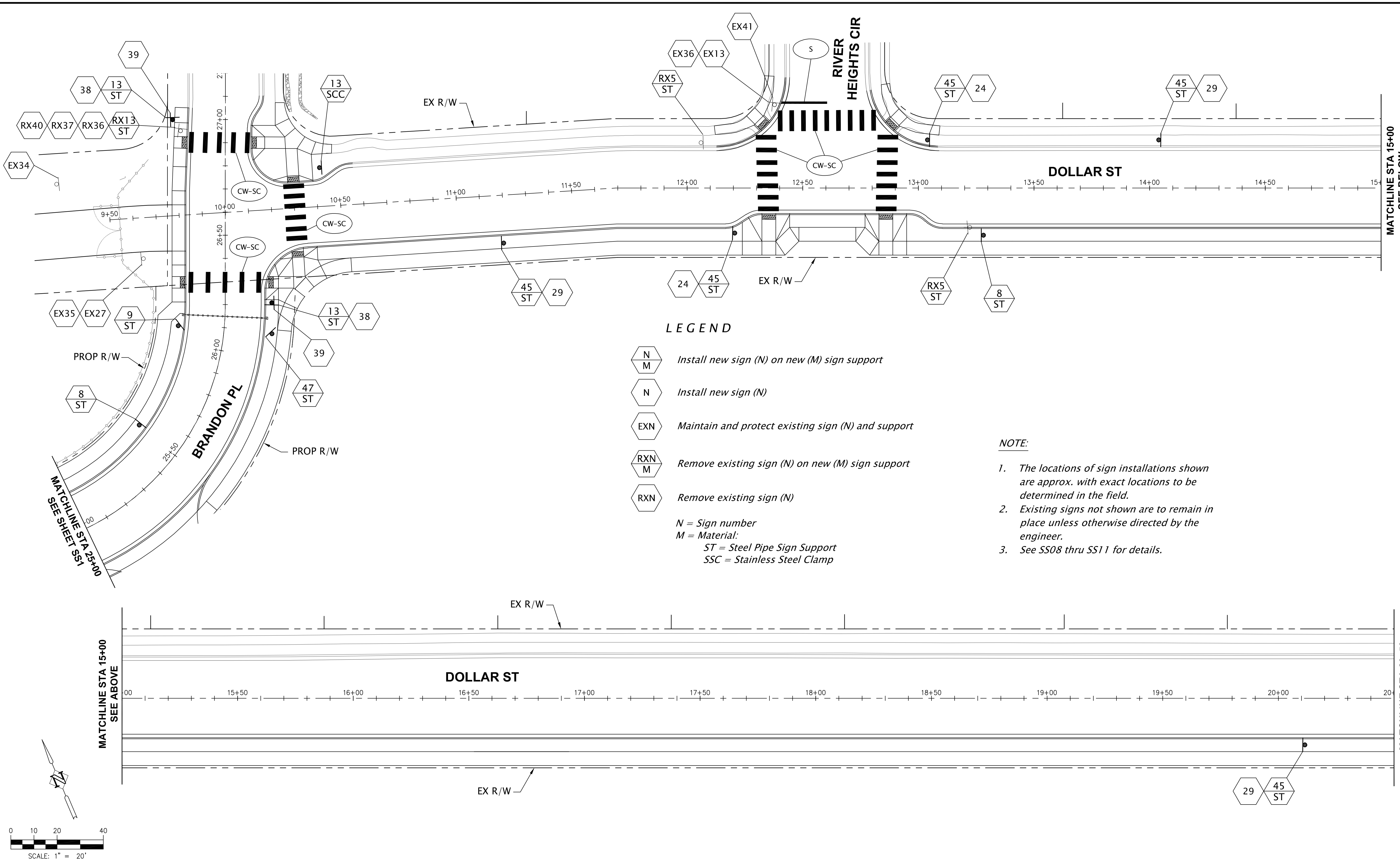
West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 SIGNING/STRIPING PLAN

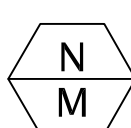

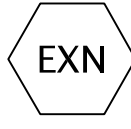


SHEET NO.

SS04

SHEET 142 OF 153
RECORD NO.



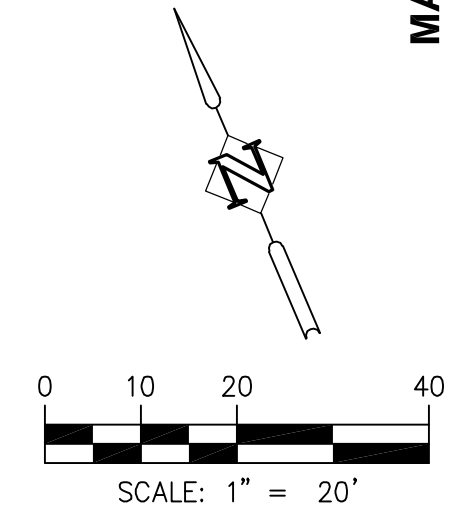
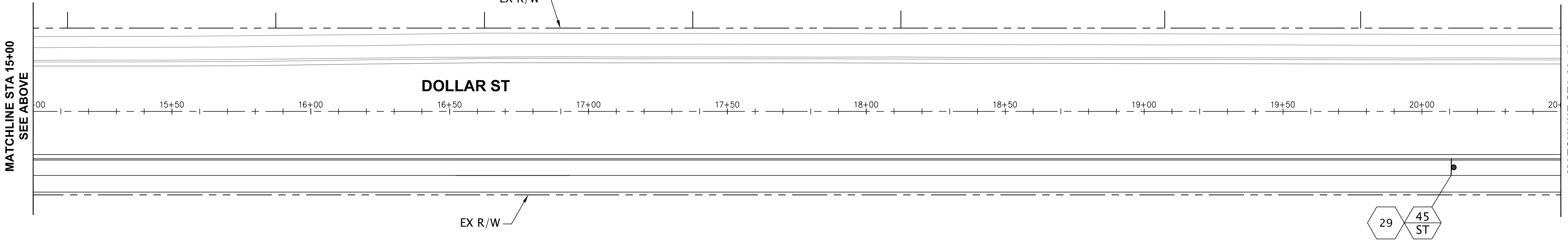
LEGEND

-  Install new sign (N) on new (M) sign support
-  Install new sign (N)
-  Maintain and protect existing sign (N) and support
-  Remove existing sign (N) on new (M) sign support
-  Remove existing sign (N)

N = Sign number
M = Material:
ST = Steel Pipe Sign Support
SSC = Stainless Steel Clamp

NOTE:

1. The locations of sign installations shown are approx. with exact locations to be determined in the field.
2. Existing signs not shown are to remain in place unless otherwise directed by the engineer.
3. See SS08 thru SS11 for details.

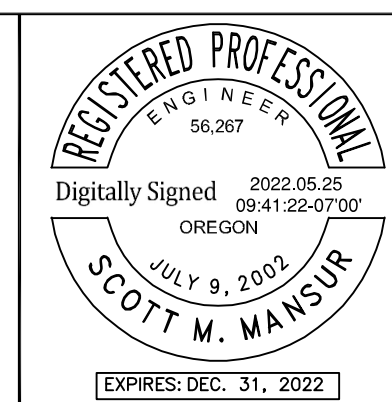


File: X:\Projects\2020\20197-000 (WL)WV Atthey Creek MS Design\CAD\SS05.dwg TAB:SS05
 Plotted: 5/24/22 at 03:44:57 by: kiaradrake
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:35:22 PM, 05/31/2022


DKS
 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com

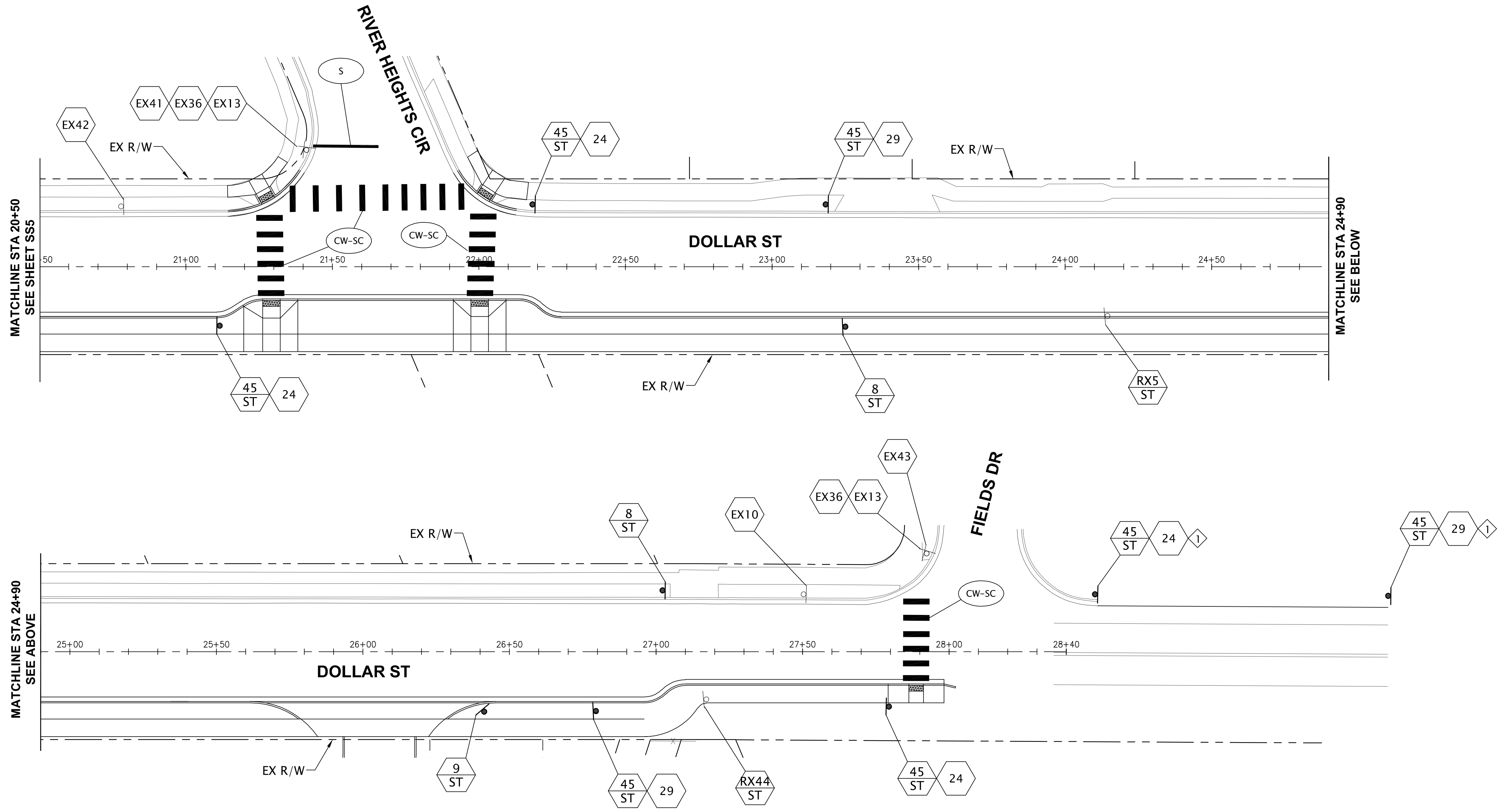


JOB No.: 2000067.00
 DESIGNED BY: RFV
 DRAWN BY: JAI
 CHECKED BY: SMM
 PLOT DATE: 5/24/22 8:34am
 PLOTTED BY: kiara.drake
 DWG NAME: SS05.dwg
 TAB NAME: SS05

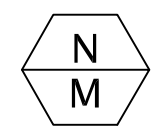


West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 SIGNING/STRIPING PLAN

SHEET NO.
SS05
 SHEET 143 OF 153
 RECORD NO.



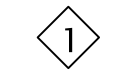
LEGEND

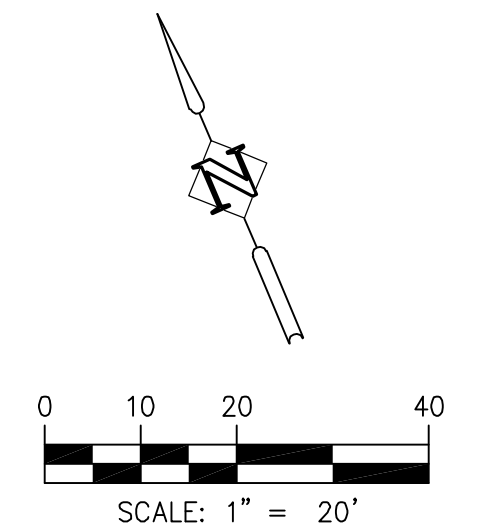
-  Install new sign (N) on new (M) sign support
 -  Maintain and protect existing sign (N) and support
 -  Remove existing sign (N) on new (M) sign support
- N = Sign number
M = Material:
ST = Steel Pipe Sign Support

NOTE:

1. The locations of sign installations shown are approx. with exact locations to be determined in the field.
2. Existing signs not shown are to remain in place unless otherwise directed by the engineer.
3. See SS08 thru SS11 for details.

CONSTRUCTION NOTE:

-  Approximate sign location. Final location to be confirmed with engineer prior to installation to avoid existing vegetation and maximize sight distance.

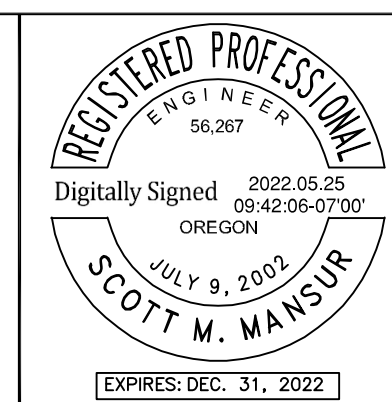


File: X:\Projects\2020\20197-000 (WLVV, Alley Creek, MS Design)\CAD\SS06.dwg TAB:SS06
Plotted: 5/24/22 at 8:35am By: kiaradrake
22x34

REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:35:30 PM, 05/31/2022

DKS 117 Commercial St NE, Suite 310
Salem, Oregon 97301
www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:35am
PLOTTED BY:	kiara.drake
DWG NAME:	SS06.dwg
TAB NAME:	SS06

West Linn, OR 97068

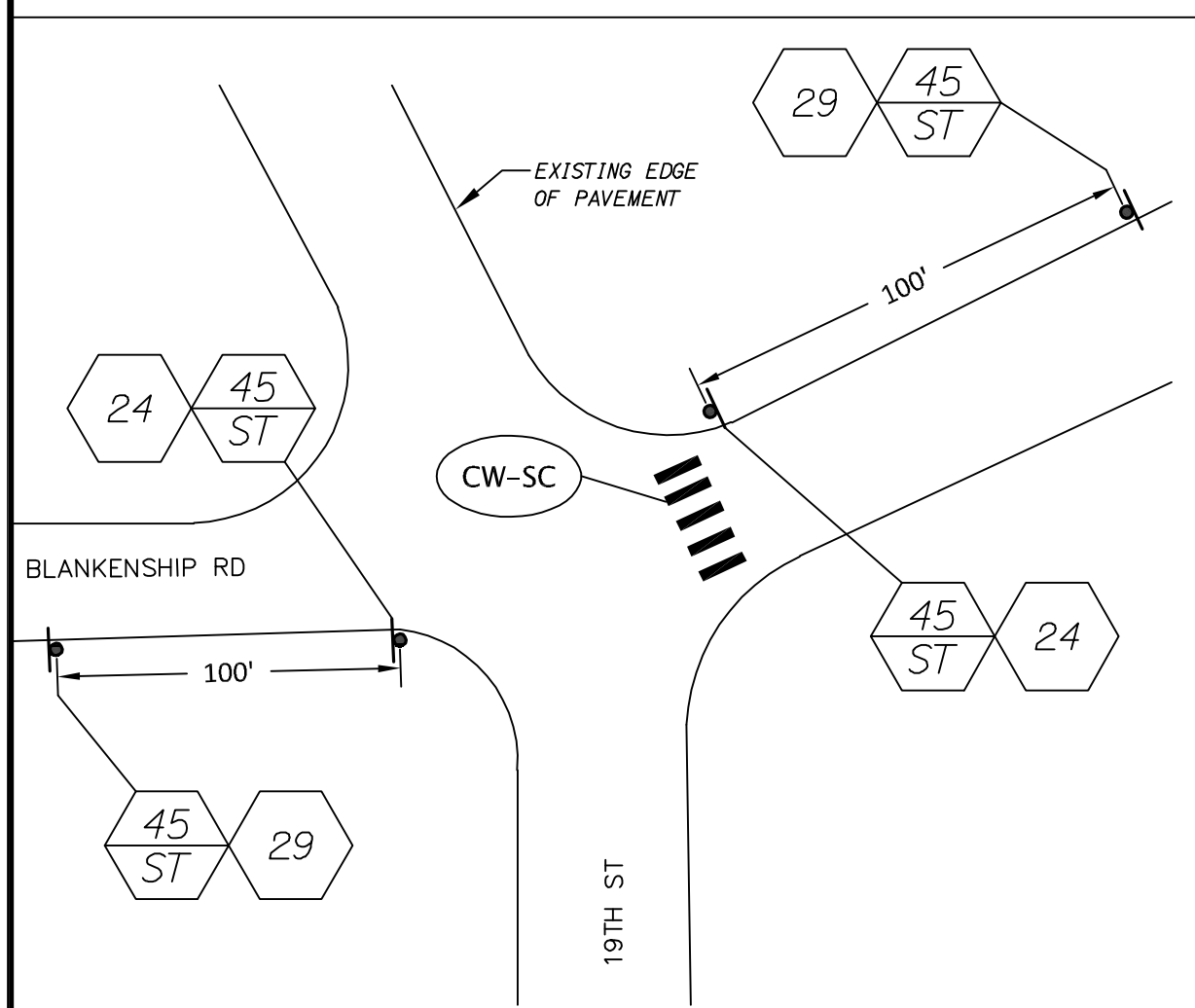
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

SIGNING/STRIPING PLAN

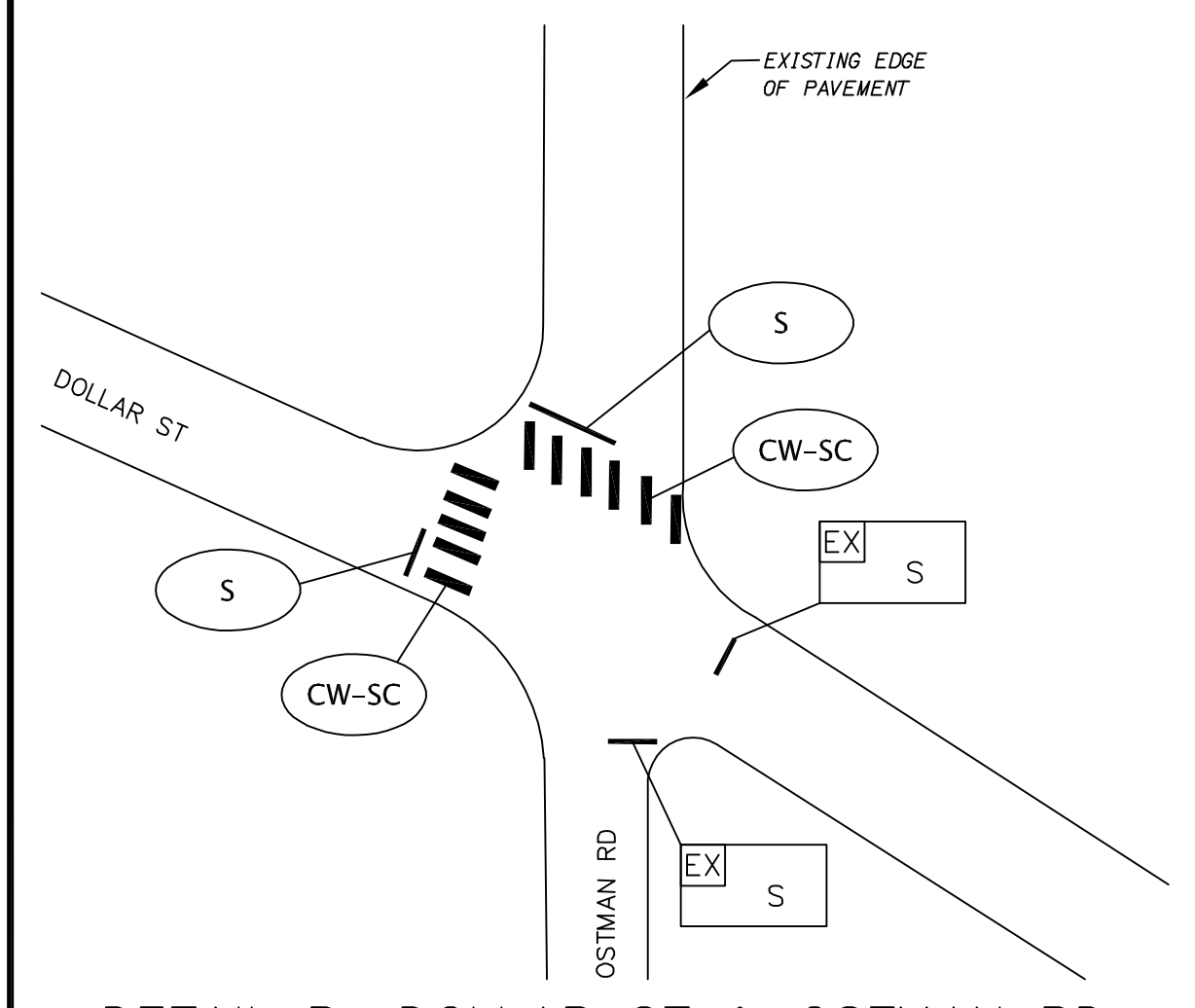
SHEET NO.
SS06
SHEET 144 OF 153
RECORD NO.

NOTE:

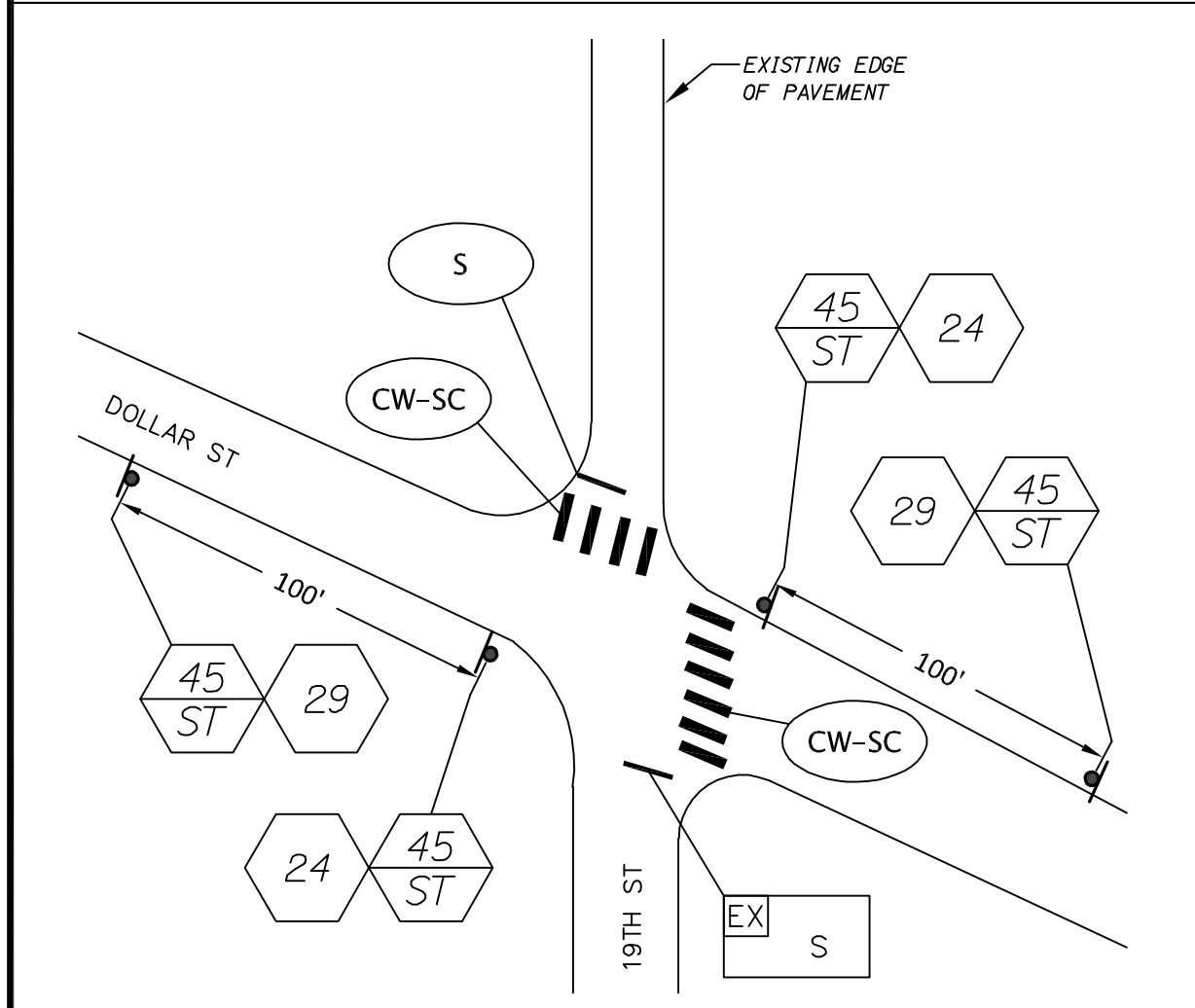
1. The locations of sign installations shown are approx. with exact locations to be determined in the field.
2. Existing signs not shown are to remain in place unless otherwise directed by the engineer.
3. Remove existing striping that conflicts with this plan.



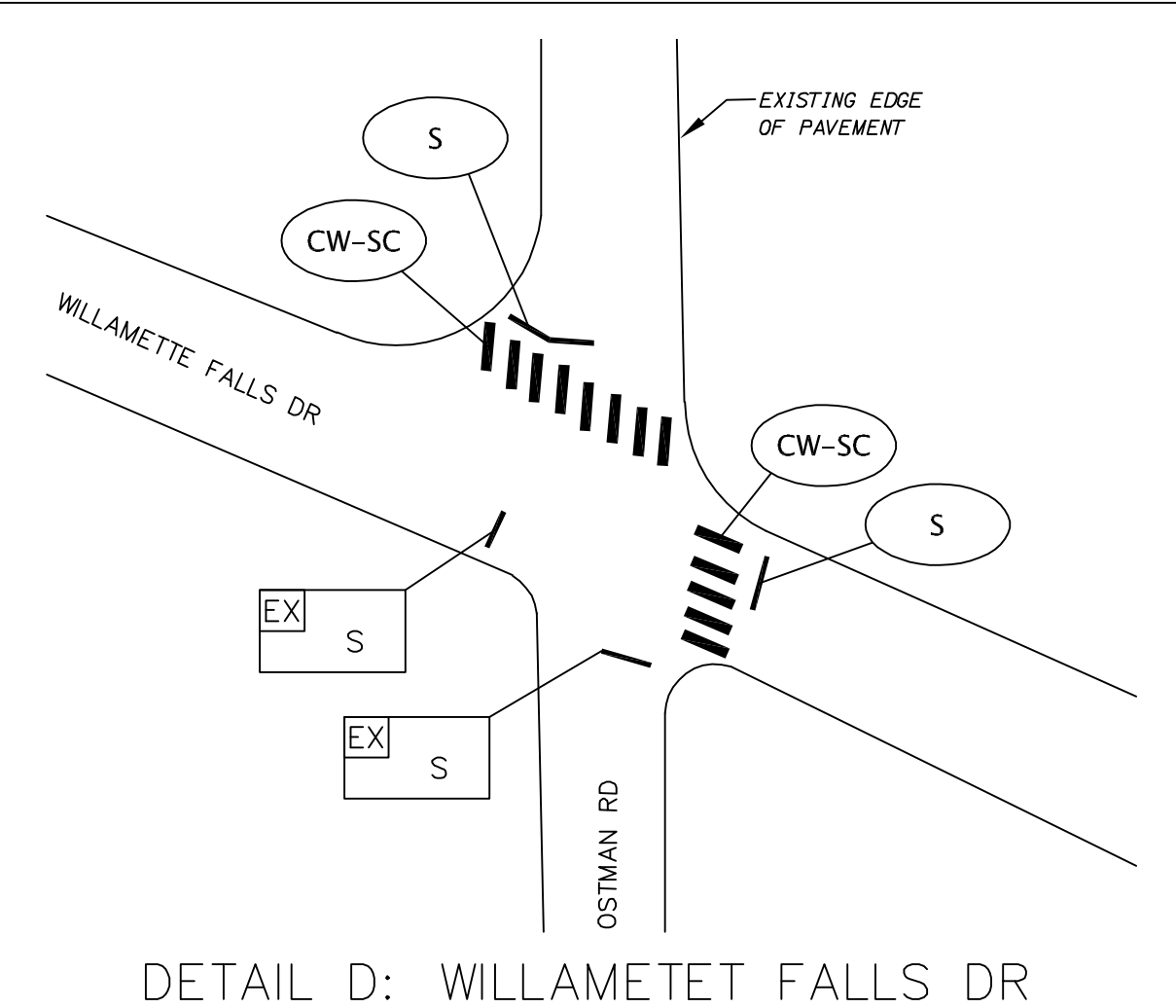
DETAIL A: BLANKENSHIP RD & 19TH ST



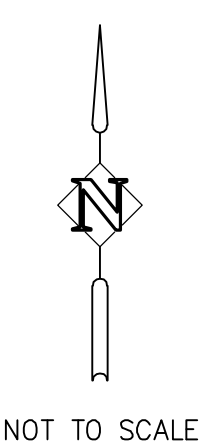
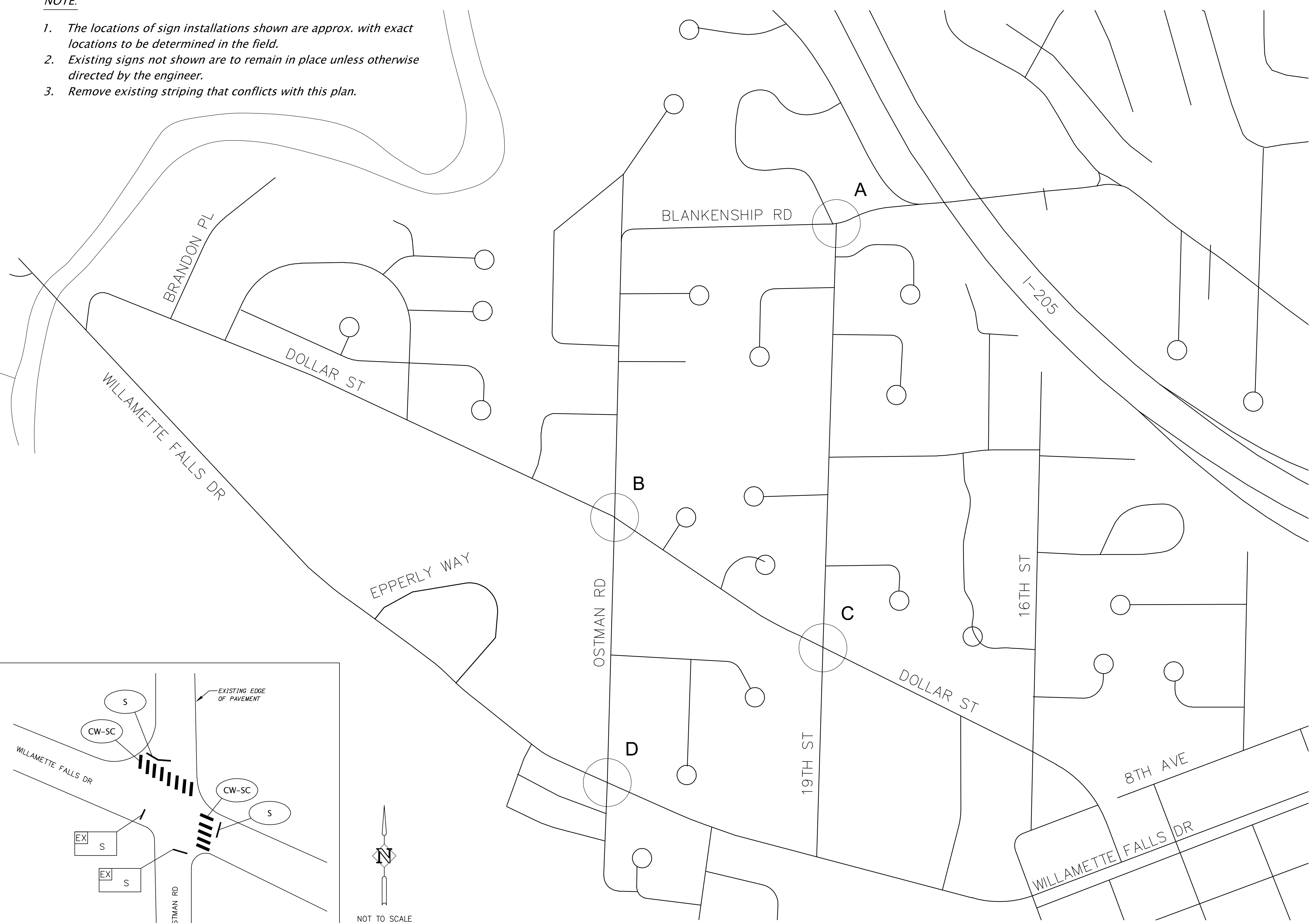
DETAIL B: DOLLAR ST & OSTMAN RD



DETAIL C: DOLLAR ST & 19TH ST



DETAIL D: WILLAMETTE FALLS DR & OSTMAN RD

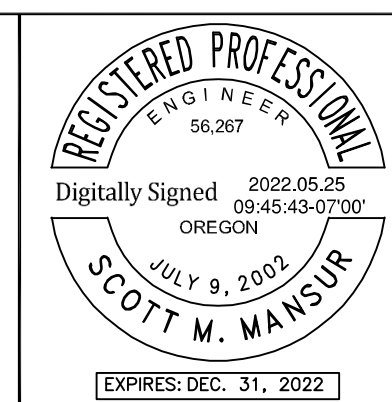


File: X:\Projects\2020\2019\000 (WLVV, Alley Creek, MS Design)\CAD\SS07.dwg, TAB:SS07
 Plotted: 5/24/22 at 8:35am by: kiara.drake
 22x34

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:35:40 PM, 05/31/2022

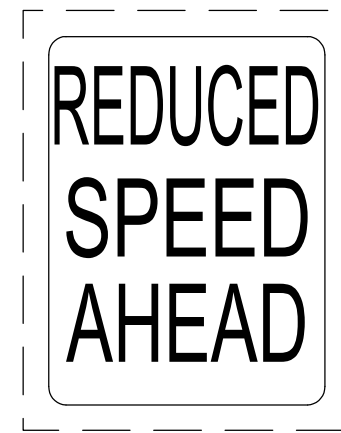
DKS 117 Commercial St NE, Suite 310
 Salem, Oregon 97301
 www.dksassociates.com



JOB No.:	2000067.00
DESIGNED BY:	RFV
DRAWN BY:	JAI
CHECKED BY:	SMM
PLOT DATE:	5/24/22 8:35am
PLOTTED BY:	kiara.drake
DWG NAME:	SS07.dwg
TAB NAME:	SS07

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 STRS SIGNING AND STRIPING PLAN

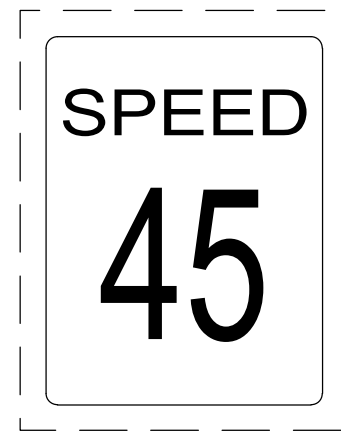
SHEET NO.
SS07
 SHEET 145 OF 153
 RECORD NO.



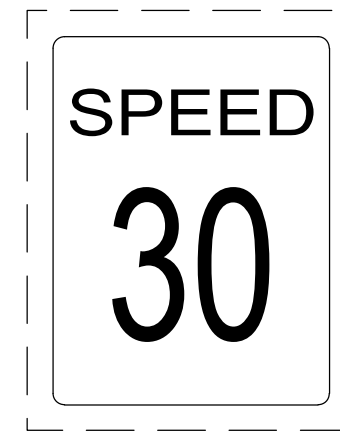
Sign No. 1



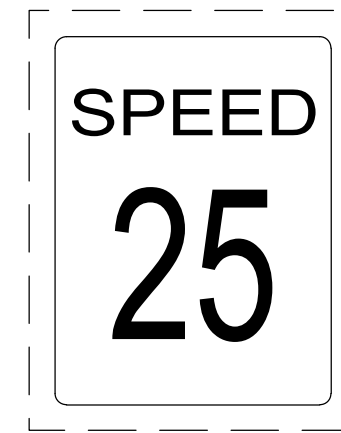
W3-5
Sign No. 2



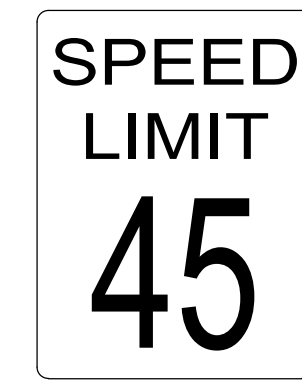
Sign No. 3



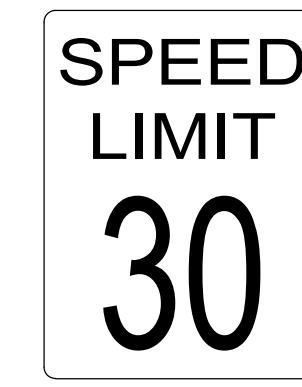
Sign No. 4



Sign No. 5



R2-1
Sign No. 6



R2-1
Sign No. 7



R2-1
Sign No. 8



R7-1
Sign No. 9



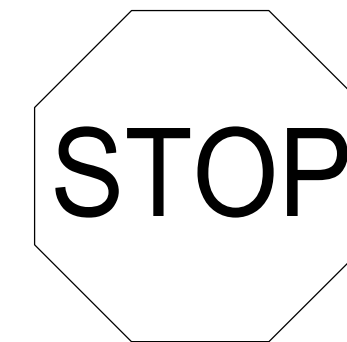
Sign No. 10



Sign No. 11



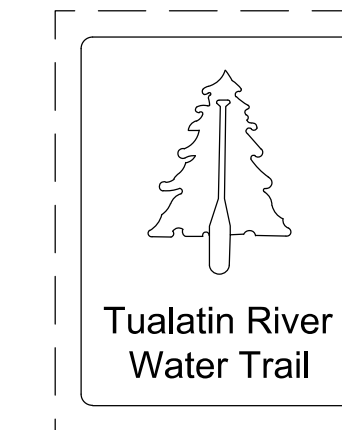
Sign No. 12



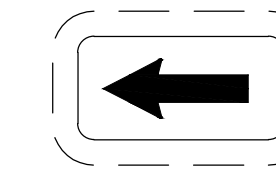
R1-1
Sign No. 13



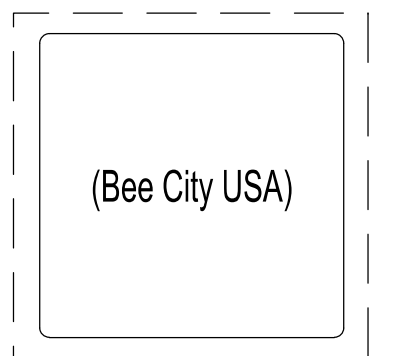
D3-1
48"x9"
Sign No. 14



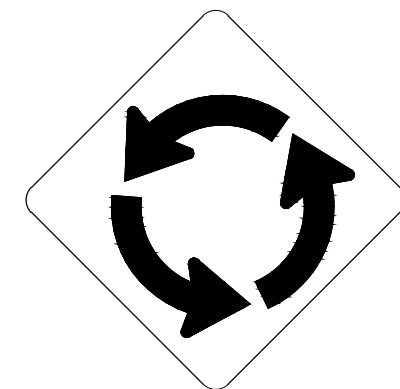
Sign No. 15



Sign No. 16



Sign No. 17



W2-6
Sign No. 18

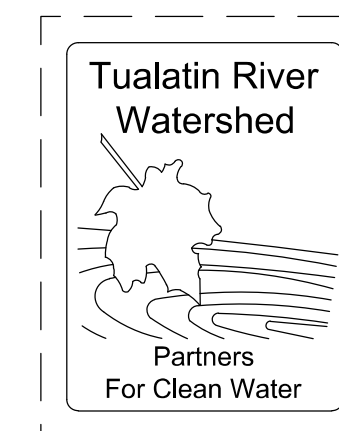


NOT USED
Sign No. 19

W16-17P
Sign No. 20



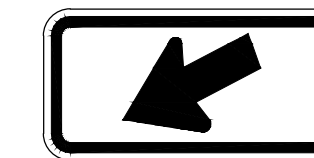
Sign No. 21



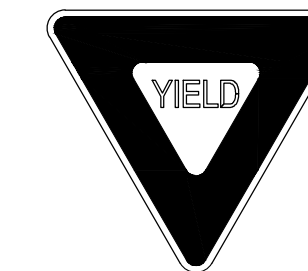
Sign No. 22



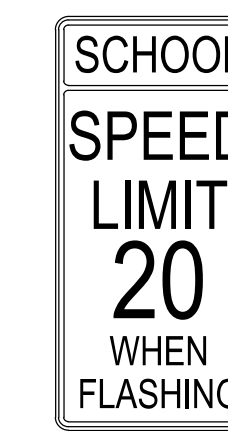
Sign No. 23



W16-7P
Sign No. 24



R1-2
Sign No. 25



S5-1
Sign No. 26



Sign No. 27



Sign No. 28



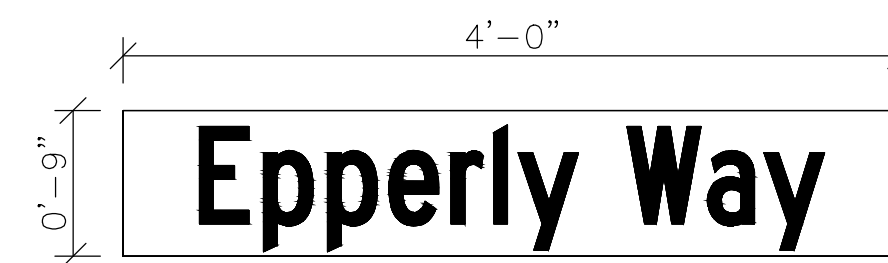
Sign No. 29



Sign No. 30



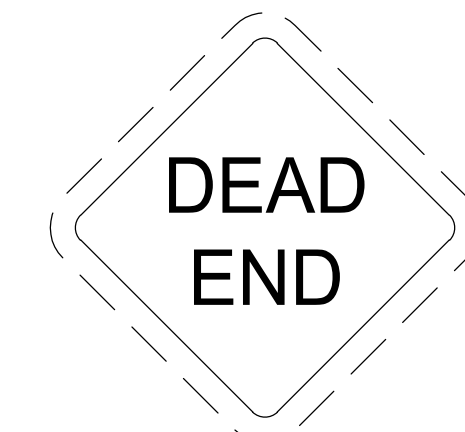
Sign No. 31



D3-1
48"x9"
Sign No. 32



D3-1
60"x9"
Sign No. 33



Sign No. 34



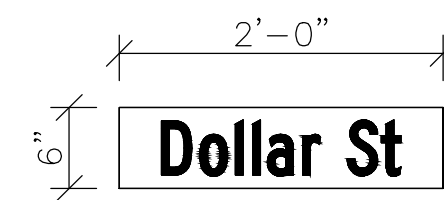
Sign No. 35



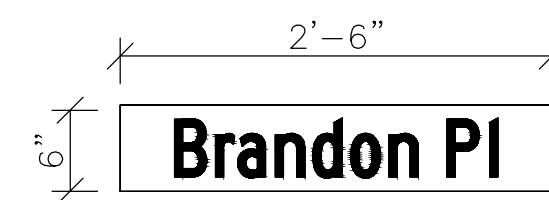
Sign No. 36



Sign No. 37



D3-1
24"x6"
Sign No. 38



D3-1
30"x6"
Sign No. 39



Sign No. 40



Sign No. 41



Sign No. 42



Sign No. 43



Sign No. 44



S1-1
Sign No. 45



R7-1
Sign No. 46



R7-1
Sign No. 47

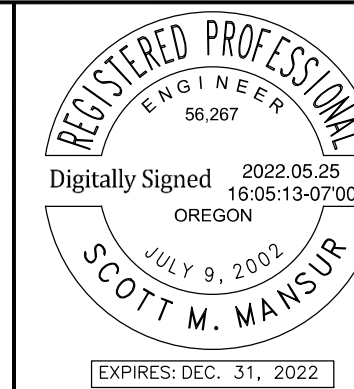
NOTE:
Signs with dashed border
are existing signs.

File: X:\Projects\2020\PI\20197-000 (WLVV Athey Creek MS Design)\CAD\SS08.dwg TAB:SS08
Plotted: 5/25/22 at 1:25pm By: rxv

REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:35:48 PM, 05/31/2022

DKS 117 Commercial St NE, Suite 310
Salem, Oregon 97301
www.dksassociates.com



JOB No.: 2000067.00
DESIGNED BY: RFV
DRAWN BY: JAI
CHECKED BY: SMM
PLOT DATE: 5/25/22 1:25pm
PLOTTED BY: rxv
DWG NAME: SS08.dwg
TAB NAME: SS08

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
SIGNING DETAILS

SHEET NO.
SS08
SHEET 146 OF 153
RECORD NO.

DRAWING INDEX

S0.01	DRAWING INDEX AND LIST OF ABBREVIATIONS
S0.02	GENERAL STRUCTURAL NOTES
S0.03	SPECIAL INSPECTIONS AND TESTING (NOT USED)
S1.01	BRIDGE END PANEL PARTIAL PLAN AND DETAILS
S2.01	WALL SECTIONS AND DETAILS

LIST OF ABBREVIATIONS

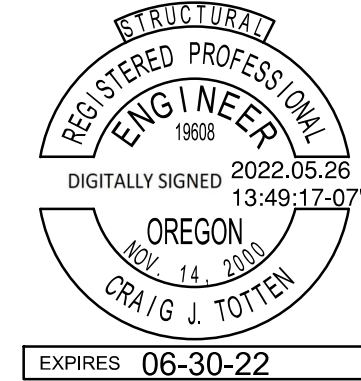
A.B.	ANCHOR BOLT	FT.	FOOT	PL	PLATE
ACI	AMERICAN CONCRETE INSTITUTE	FTG.	FOOTING	PP	PARTIAL PENETRATION
ADD'L.	ADDITIONAL	GA.	GAUGE	PSF	POUNDS PER SQUARE FOOT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	GALV.	GALVANIZED	PSL	PARALLEL STRAND LUMBER
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION INCORPORATED	GL	GLULAM	PSI	POUNDS PER SQUARE INCH
ALT.	ALTERNATE	HORIZ.	HORIZONTAL	P/T	POST-TENSIONED
ALUM.	ALUMINUM	HSS	HOLLOW STRUCTURAL STEEL	P.T.	PRESSURE TREATED
ARCH.	ARCHITECT	IBC	INTERNATIONAL BUILDING CODE	PVC	POLYVINYL CHLORIDE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS	R. RAD.	RADIUS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	I.D.	INSIDE DIAMETER	RCSC	RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS
AWS	AMERICAN WELDING SOCIETY	IN.	INCH	REF.	REFERENCE
BLDG.	BUILDING	INT.	INTERIOR	RET.	RETURN
BOT.	BOTTOM	K	KIPS	REINF.	REINFORCING
BRBF	BUCKLING RESTRAINED BRACED FRAME	KSF	KIPS PER SQUARE FOOT	REQ'D.	REQUIRED
C.G.	CENTER OF GRAVITY	KSI	KIPS PER SQUARE INCH	REQ'MTS.	REQUIREMENTS
C.I.P.	CAST IN PLACE	LB.	POUND	SCHED.	SCHEDULE
C.J.	CONTROL JOINT	L.L.	LIVE LOAD	S.C.	SLIP CRITICAL
C.J.P.	COMPLETE JOINT PENETRATION	LLH	LONG LEG HORIZONTAL	SCL	STRUCTURAL COMPOSITE LUMBER
CL	CENTERLINE	LLV	LONG LEG VERTICAL	SIM.	SIMILAR
CLR.	CLEAR	LOC.	LOCATION	SLRS	SEISMIC LOAD RESISTING SYSTEM
CMU	CONCRETE MASONRY UNIT	LONG.	LONGITUDINAL	S.O.G.	SLAB ON GRADE
COL.	COLUMN	LSL	LAMINATED STRAND LUMBER BEAM	SPEC.	SPECIFICATION
CONC.	CONCRETE	LVF	LOW VELOCITY FASTENER	SQ.	SQUARE
CONN.	CONNECTION	LVL	LAMINATED VENEER LUMBER BEAM	SS	STAINLESS STEEL
CONST.	CONSTRUCTION	MAX.	MAXIMUM	SSMA	STEEL STUD MANUFACTURERS ASSOCIATION
CONT.	CONTINUOUS	MBMA	METAL BUILDING MANUFACTURERS ASSOCIATION	STD.	STANDARD
db	BAR DIAMETER	MECH.	MECHANICAL	STRUCT.	STRUCTURAL
DBA	DEFORMED BAR ANCHOR	MFR.	MANUFACTURER	SYM.	SYMMETRICAL
DET.	DETAIL	MIN.	MINIMUM	THRU	THROUGH
DIA., Ø	DIAMETER	MISC.	MISCELLANEOUS	T&G	TONGUE AND GROOVE
DIAG.	DIAGONAL	MPH	MILES PER HOUR	TRANS.	TRANSVERSE
D.L.	DEAD LOAD	MT	MAGNETIC PARTICLE TESTING	TJ	TRUSS JOIST
DWG.	DRAWING	(N)	NEW	TS	LIGHT GAUGE TUBE STEEL
ELEC.	ELECTRICAL	N.I.C.	NOT IN CONTRACT	TYP.	TYPICAL
EL.	ELEVATION	NOM.	NOMINAL	U.N.O.	UNLESS NOTED OTHERWISE
EQ.	EQUAL	NO.	NUMBER	U.T.	ULTRASONIC TESTING
EXIST., (E)	EXISTING	N.T.S.	NOT TO SCALE	VERT.	VERTICAL
EXP.	EXPANSION	o.c.	ON CENTER	V.I.F.	VERIFY IN FIELD
EXT.	EXTERIOR	O.D.	OUTSIDE DIAMETER	w/	WITH
FDN.	FOUNDATION	OPP.	OPPOSITE	WF	WIDE FLANGE
FIN.	FINISH	OWJ	OPEN WEB JOIST	w/o	WITHOUT
FLR.	FLOOR	PAF	POWDER ACTUATED FASTENER	W.P.	WORK POINT
		PART.	PARTITION	WPS	WELDING PROCEDURE SPECIFICATION
		P/C	PRECAST	WWF	WELDED WIRE FABRIC
		PCF	POUNDS PER CUBIC FOOT		
		PERIM.	PERIMETER		

File: \\kpf\pdx.com\single\production\kpf\other_offices\civil - portland_101010102000067 - www.new.athey.creek.ms.public.improvements\Drafting\10102000067-S0.01.dwg TAB.S0.01
 Plotted: 5/26/22 at 1:19pm By: Brad

REVISION	DATE	DESCRIPTION	BY

APPROVED
 By Erich Lais at 1:36:24 PM, 05/31/2022


 111 SW Fifth Ave., Suite 2500
 Portland, OR 97204
 O: 503.227.3251
 F: 503.227.7980
 www.kpff.com



JOB No.:	2000067.00
DESIGNED BY:	SC
DRAWN BY:	BF
CHECKED BY:	TR
PLOT DATE:	5/26/22 1:19pm
PLOTTED BY:	brad
DWG NAME:	10102000067-S0.01.dwg
TAB NAME:	S0.01

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

DRAWING INDEX AND LIST OF ABBREVIATIONS

SHEET NO.	S0.01
SHEET 150 OF 153	
RECORD NO.	

GENERAL STRUCTURAL NOTES

GENERAL

STRUCTURAL DRAWINGS ARE A PART OF THE CONTRACT DOCUMENTS AND ARE COMPLEMENTARY TO THE CIVIL, LANDSCAPE, THE GEOTECHNICAL REPORT, THE SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THE CONTRACT DOCUMENTS INTO THEIR SHOP DRAWINGS AND WORK. AS REQUIRED BY THE GENERAL CONDITIONS, THE CONTRACTOR SHALL PROMPTLY REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONTRACT DOCUMENTS DISCOVERED BY OR MADE KNOWN TO THE CONTRACTOR.

THE GENERAL STRUCTURAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. WHERE CONFLICT EXISTS, THE MORE STRINGENT OR RESTRICTIVE REQUIREMENT SHALL GOVERN UNLESS CLARIFICATION IS REQUESTED.

CODE REQUIREMENTS:

CONFORM TO THE ODOT BRIDGE DESIGN MANUAL, 2021, AND THE AASHTO BRIDGE DESIGN SPECIFICATIONS, NINTH EDITION, 2020.

EXISTING CONDITIONS:

ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

DESIGN CRITERIA

DESIGN WAS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWABLES WERE USED FOR DESIGN:

GRAVITY SYSTEM CRITERIA			
SUPERIMPOSED LIVE LOAD	REF. DETAIL 5/S2.01		
GEOTECHNICAL CRITERIA			
DESIGN BASED ON REPORT BY:	GEODESIGN, INC. DATED OCTOBER 20, 2020		
RETAINING WALLS - CANTILEVERED	REF. DETAIL 5/S2.01		
RETAINING WALLS - SEISMIC	REF. DETAIL 5/S2.01		
RETAINING WALLS - ALLOWABLE FRICTION FACTOR RESISTANCE TO SLIDING	0.40		
ALLOWABLE SOIL BEARING PRESSURE	2,500 PSF		
SHORT TERM LOADING ALLOWABLE SOIL BEARING PRESSURE	5,000 PSF		
SOIL PARAMETERS			
SOIL	UNIT DENSITY	ANGLE OF INTERNAL FRICTION	COHESION
FOUNDATION	110 PCF	30°	50 PSF
RETAINED	110 PCF	30°	50 PSF
REINFORCED BACKFILL	130 PCF	38°	0 PSF
SEISMIC CRITERIA			
PEAK GROUND ACCELERATION COEFFICIENT (PGA)	0.27		
SHORT PERIOD SPECTRAL ACCELERATION COEFFICIENT (SS)	0.682		
LONG PERIOD SPECTRAL ACCELERATION COEFFICIENT (S1)	0.303		
SITE CLASS	D		
PEAK SEISMIC GROUND ACCELERATION COEFFICIENT MODIFIED BY ZERO PERIOD SITE FACTOR (AS)	0.34		
HORIZONTAL SEISMIC ACCELERATION COEFFICIENT (kh)	0.34		

STRUCTURAL OBSERVATIONS

THE STRUCTURAL ENGINEER OF RECORD (SEOR) WILL PERFORM STRUCTURAL OBSERVATIONS AT THE STAGES OF CONSTRUCTION LISTED BELOW. CONTRACTOR SHALL PROVIDE SUFFICIENT ADVANCED NOTICE AND ACCESS FOR THE SEOR TO PERFORM THESE OBSERVATIONS.

ITEM	COMMENTS
PRIOR TO FIRST CONCRETE POURS AT CONCRETE PANEL AND MOMENT SLAB	AFTER REBAR PLACEMENT
DURING INITIAL MSE WALL ERECTION	
AS REQUIRED TO ADDRESS STRUCTURAL ISSUES	

A FIELD REPORT WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOLLOWING EACH SITE VISIT.

STRUCTURAL OBSERVATION IS FOR THE GENERAL CONFORMANCE OF THE STRUCTURAL DRAWINGS AND DOES NOT ALLEVIATE ANY SPECIAL INSPECTION REQUIREMENTS.

SPECIAL INSPECTIONS AND TESTING

SPECIAL INSPECTION WILL BE PROVIDED BY THE OWNER BASED ON THE REQUIREMENTS OF THE CITY OF WEST LINN STANDARD SPECIFICATIONS BASED ON THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2021, CONTRACT DOCUMENTS AND APPROVED SUBMITTALS. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.

SUBMITTALS

SUBMIT SHOP DRAWINGS AND OTHER SUBMITTALS TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND CONSTRUCTION OF STRUCTURAL ITEMS. IF THE SUBMITTALS DIFFER FROM OR ADD TO THE STRUCTURAL CONTRACT DOCUMENTS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE OWNER AND ENGINEER AND ARE SUBJECT TO REVIEW AND ACCEPTANCE BY THE SEOR.

FIELD ENGINEERED DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM OR ADD TO THE STRUCTURAL DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON AND SHALL BE SUBMITTED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.

THE USE OF REPRODUCTIONS OR PHOTOCOPIES OF THE CONTRACT DRAWINGS SHALL NOT BE PERMITTED. WHEN CAD OR REVIT FILES ARE PROVIDED TO THE CONTRACTOR OR SUBCONTRACTORS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR/SUBCONTRACTOR TO REMOVE ALL INFORMATION NOT DIRECTLY RELEVANT TO THE SCOPE OF THE SUBMITTAL AS WELL AS ALL REFERENCES TO OUTSIDE SOURCE FILES.

DELEGATED DESIGN SUBMITTALS SHALL INCLUDE DESIGN DRAWINGS AND CALCULATIONS FOR ITEMS THAT ARE DESIGNED BY OTHERS. DELEGATED DESIGN SUBMITTALS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON ON EVERY DRAWING SHEET AND ON THE CALCULATION COVER SHEET, AND SHALL BE SUBMITTED TO THE OWNER AND ENGINEER PRIOR TO FABRICATION. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND AS NOTED UNDER "DESIGN CRITERIA".

SUBMITTALS AND DELEGATED DESIGN SUBMITTALS SHALL INCLUDE THE FOLLOWING:

ITEM	SUBMITTAL	DELEGATED DESIGN SUBMITTAL	COMMENTS
MSE STONETERRA WALLS		X	
CONCRETE MIX DESIGNS	X		
CONCRETE REINFORCEMENT	X		
CONCRETE ANCHORAGES	X		
STRUCTURAL STEEL	X		
STEEL WELDING PROCEDURES	X		

CONCRETE

CONCRETE WORK SHALL CONFORM TO THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2021

PROVIDE ALL REINFORCING STEEL ACCORDING TO ASTM SPECIFICATIONS A706 OR AASHTO M31 (ASTM A615) GRADE 60 (PROVIDE FIELD BENT STIRRUPS ACCORDING TO ASTM SPECIFICATION A706). USE THE FOLLOWING SPLICE LENGTHS (UNLESS SHOWN OTHERWISE):

TYP. LAP SPLICE LENGTH SCHEDULE (IN.) - (CLASS B) GRADE 60 - f_c = 4.0KSI

BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
LAP	12	16	20	24	30	39	49	62	76

TABLE NOTES:

- INCREASE ALL SPLICE LENGTHS 40% FOR HORIZONTAL OR NEARLY HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST BELOW THE BAR.
- SPLICE LENGTHS APPLY TO UNCOATED BARS ONLY.
- SPLICE REINFORCING STEEL AT ALTERNATE BARS, STAGGERED AT LEAST ONE SPLICE LENGTH OR AS FAR AS POSSIBLE, UNLESS SHOWN OTHERWISE. SUPPORT THE BOTTOM MAT REINFORCING STEEL FROM THE FORMS WITH PRECAST MORTAR BLOCKS AT 24" MAXIMUM CENTERS EACH WAY. SUPPORT THE TOP MAT OF REINFORCING STEEL WITH WIRE BAR SUPPORTS AS SHOWN IN CHAPTER 3 OF CRSI MANUAL OF STANDARD PRACTICE (SBU, BBU OR SHCU). PLACE WIRE BAR SUPPORTS AT 24" MAXIMUM CENTERS.

PLACE REINFORCEMENT 2" CLEAR OF THE NEAREST FACE OF CONCRETE (UNLESS NOTED OTHERWISE).

PROVIDE CLASS 4000 - 1" OR 3/4" CONCRETE FOR ALL CONCRETE.

POST-INSTALLED CONCRETE ADHESIVE ANCHORS SHALL BE SIMPSON SET-XP (ICC ESR-2508), UNLESS NOTED OTHERWISE. ANCHORS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND PRODUCT EVALUATION REPORTS. EMBEDMENTS SPECIFIED ON DRAWINGS ARE "EFFECTIVE" EMBEDMENTS. REFERENCE MANUFACTURER LITERATURE FOR CORRESPONDING ACTUAL EMBEDMENT DEPTHS. DO NOT CUT REINFORCING IN NEW OR EXISTING CONCRETE DURING INSTALLATION.

MSE WALL CRITERIA

LEVELING PAD SHALL CONSIST OF COMMERCIAL GRADE CONCRETE OR COMPACTED GRANULAR STRUCTURE BACKFILL MEETING THE REQUIREMENTS OF THE OREGON STANDARD SPECIFICATION FOR CONSTRUCTION SECTION 00596A.11 (a). LEVELING PAD SHALL BE PLACED OVER FIRM NATIVE SILT, GRAVEL OR STRUCTURAL FILL, AS APPROVED BY THE GEOTECHNICAL ENGINEER.

MODULAR BLOCK CORE AND DRAINAGE BACKFILL SHALL BE 3/4" - NO.4 PCC AGGREGATE MATERIAL MEETING THE REQUIREMENTS OF SECTION 02690.20 (a) THROUGH (e) OF THE OREGON STANDARD SPECIFICATIONS.

MSE WALL UNITS SHALL BE STONETERRA SEGMENTAL CONCRETE FACING UNITS MANUFACTURED BY STONETERRA, INC. AND SHALL CONFORM TO THE OREGON STANDARD SPECIFICATIONS.

GEOGRID REINFORCEMENT SHALL BE STRATAGRID 550 MANUFACTURED BY STRATA SYSTEMS, INC. AND SHALL CONFORM TO THE OREGON STANDARD SPECIFICATIONS.

File: \\kpf-pc\c\single\production\kpf\other_offices\civil - portland_101010102000067 - wlv new athey creek ms public improvements\Drafting\10102000067-S0.02.dwg TAB:S0.02
 Plotted: 5/26/22 at 1:19pm By: Brad

REVISION	DATE	DESCRIPTION	BY

APPROVED
 By Erich Lais at 1:36:30 PM, 05/31/2022


 111 SW Fifth Ave., Suite 2500
 Portland, OR 97204
 O: 503.227.3251
 F: 503.227.7980
 www.kpff.com



JOB No.: 2000067.00
 DESIGNED BY: SC
 DRAWN BY: BF
 CHECKED BY: TR
 PLOT DATE: 5/26/22 1:19pm
 PLOTTED BY: brad
 DWG NAME: 10102000067-S0.02.dwg
 TAB NAME: S0.02

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

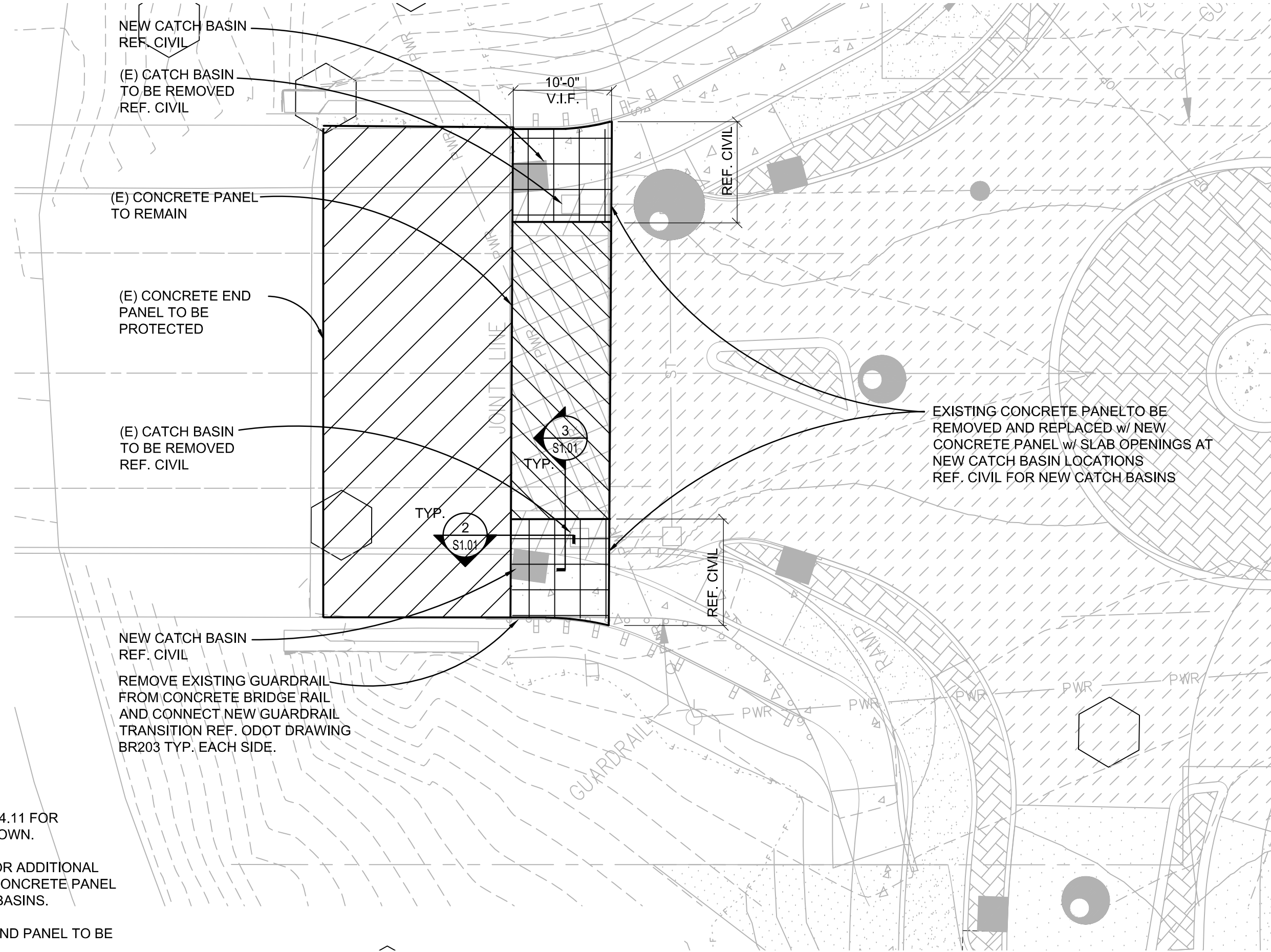
GENERAL STRUCTURAL NOTES

SHEET NO.

S0.02

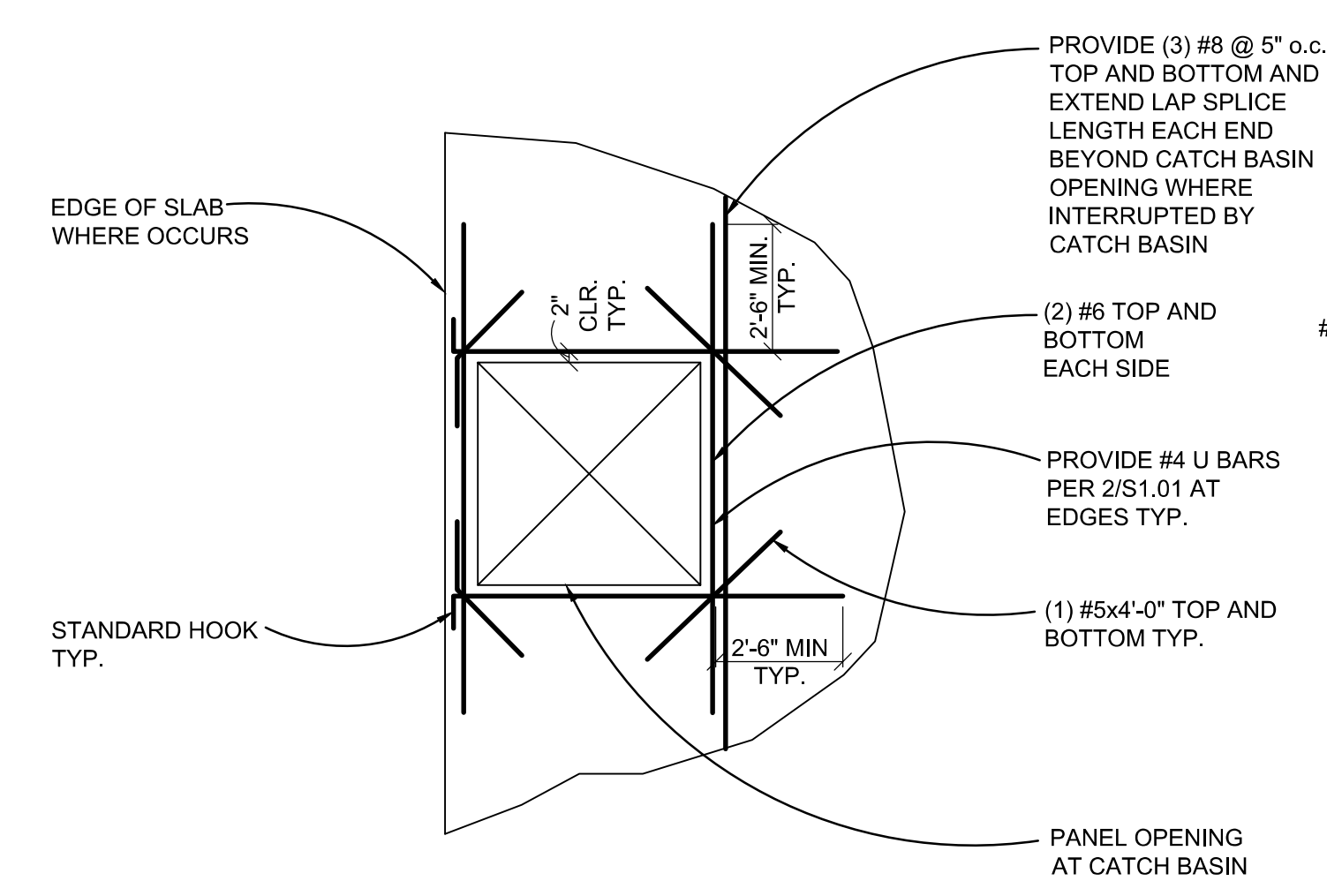
SHEET 151 OF 153
RECORD NO.

File: \\kpf-pc\pds\SingleProduction\kpf\other\offices\civil - portland_10101010200067 - whv new athey creek ms public improvements\Drafting\1010200067-S1.01.dwg TAB.S1.01
 Plotted: 5/26/22 at 1:19pm By: brad

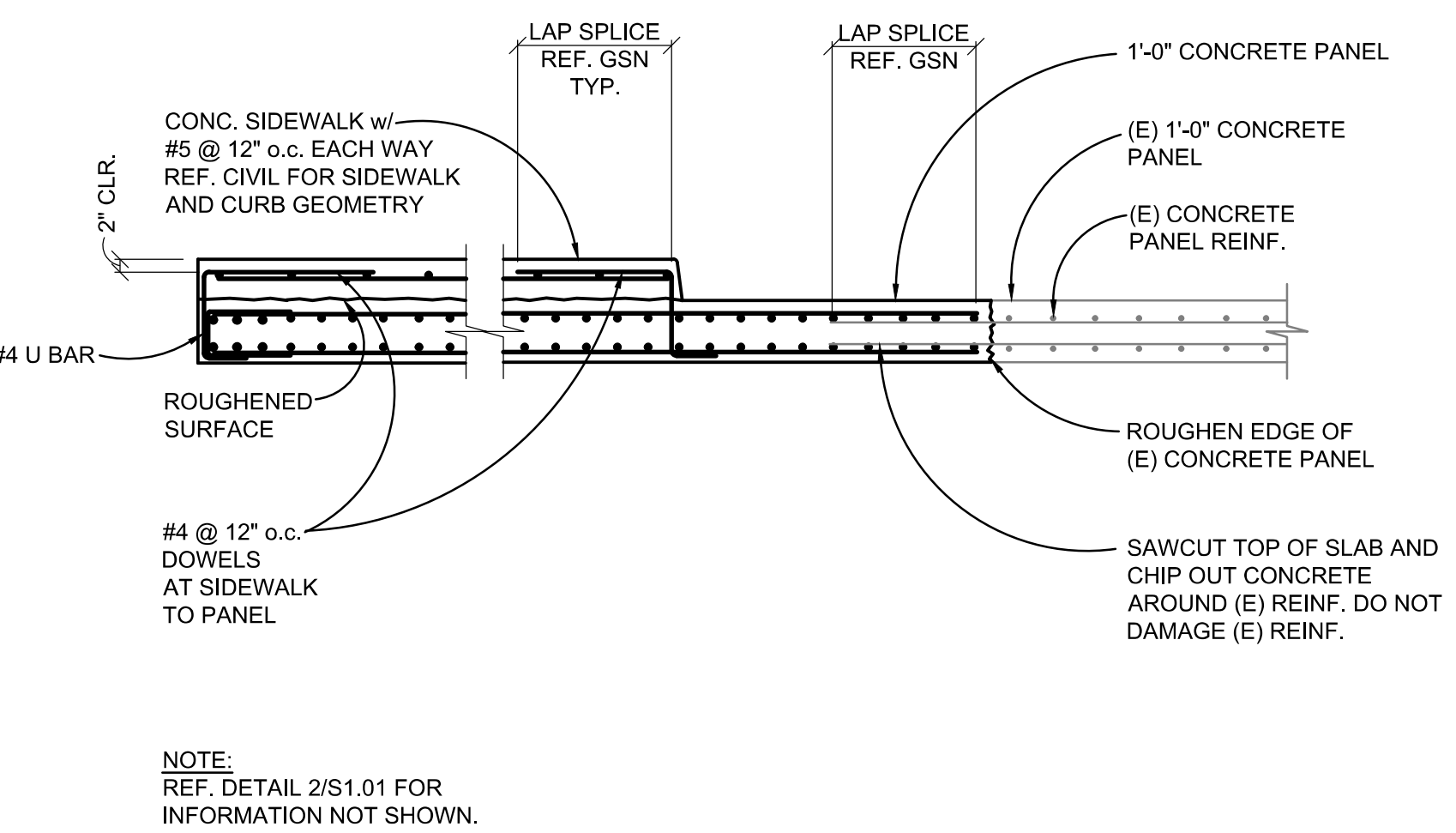


- NOTES:**
- REF. CIVIL DRAWING C4.11 FOR INFORMATION NOT SHOWN.
 - REF. DETAIL 4/S1.01 FOR ADDITIONAL REINFORCEMENT AT CONCRETE PANEL OPENINGS AT CATCH BASINS.
 - INDICATES EXISTING END PANEL TO BE PROTECTED.
 - INDICATES EXISTING CONCRETE PANEL TO REMAIN.
 - INDICATES EXISTING CONCRETE PANEL TO BE REMOVED AND REPLACED

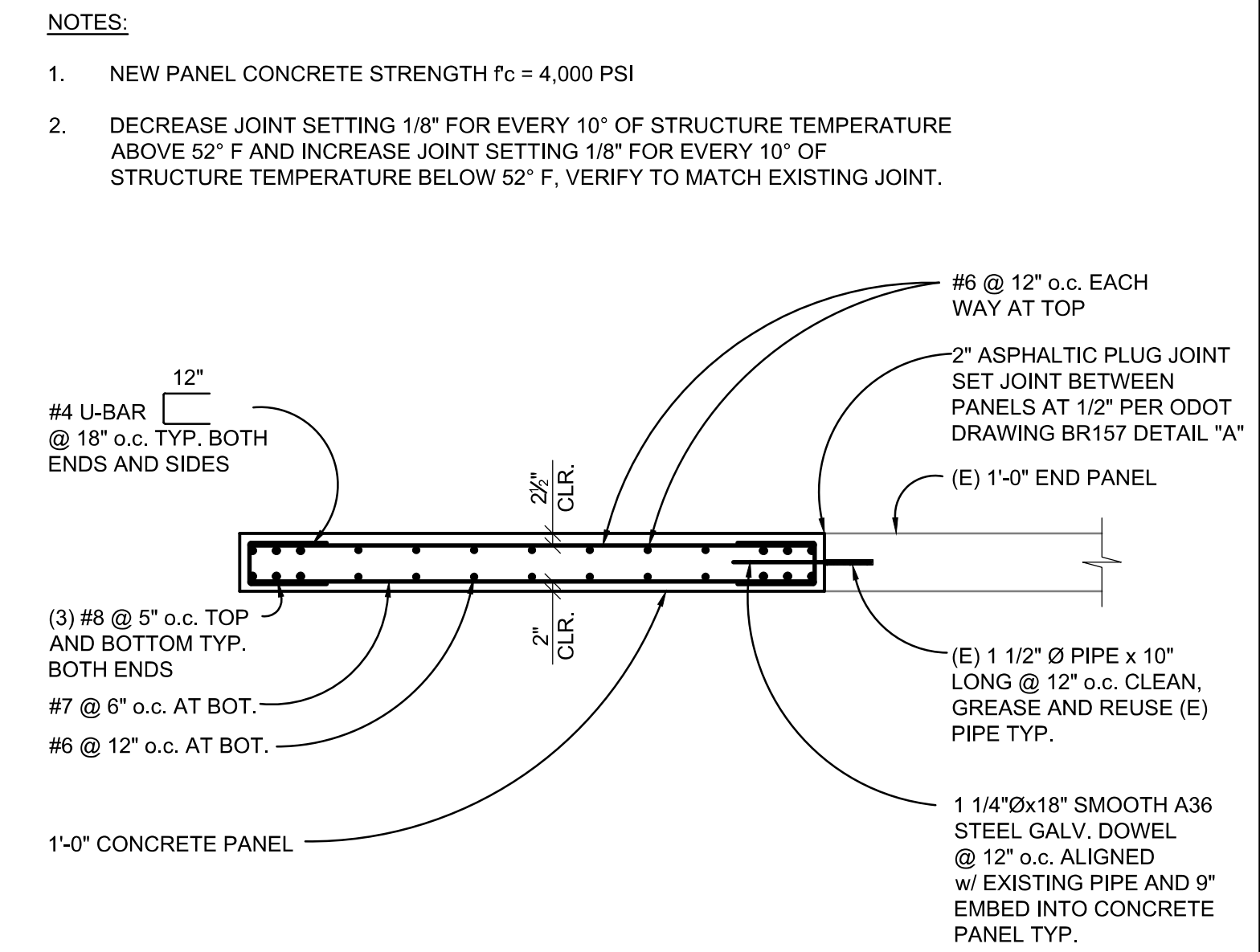
1 ROUNDABOUT PARTIAL PLAN
 1" = 10'-0"



4 TRIM BARS AT PANEL OPENING
 SCALE: 3/8" = 1'-0"



3 DETAIL AT NEW CONCRETE PANEL TO EXISTING END PANEL
 SCALE: 3/8" = 1'-0"

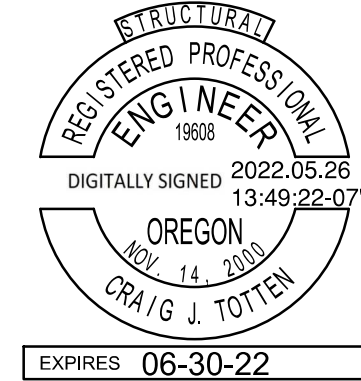


2 DETAIL AT NEW CONCRETE PANEL TO EXISTING END PANEL
 SCALE: 3/8" = 1'-0"

REVISION	DATE	DESCRIPTION	BY

APPROVED
 By Erich Lais at 1:36:38 PM, 05/31/2022

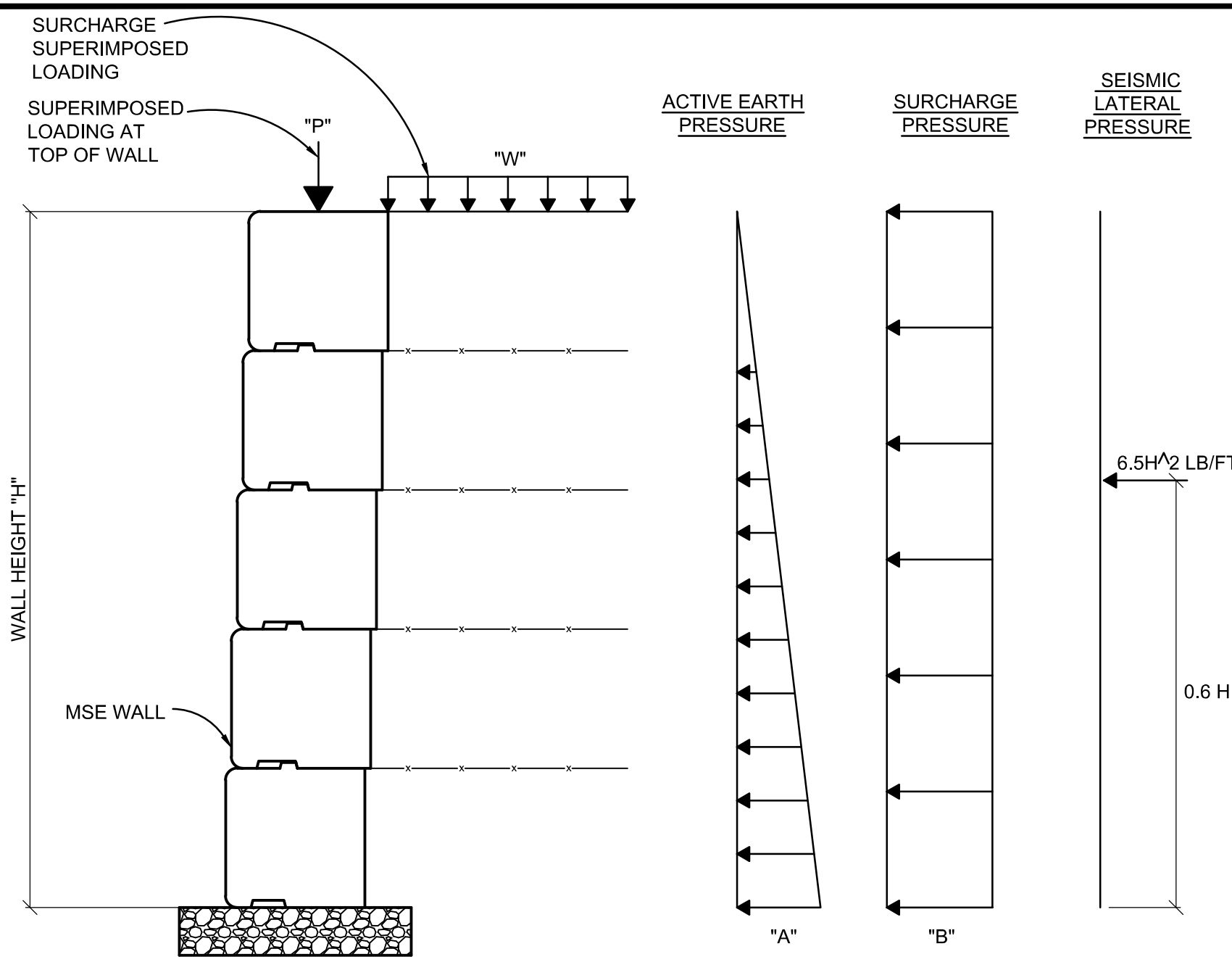
kpf
 111 SW Fifth Ave., Suite 2500
 Portland, OR 97204
 O: 503.227.3251
 F: 503.227.7980
 www.kpf.com



JOB No.: 2000067.00
 DESIGNED BY: SC
 DRAWN BY: BF
 CHECKED BY: TR
 PLOT DATE: 5/26/22 1:19pm
 PLOTTED BY: brad
 DWG NAME: 1010200067-S1.01.dwg
 TAB NAME: S1.01

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 BRIDGE END PANEL PARTIAL PLAN AND DETAILS

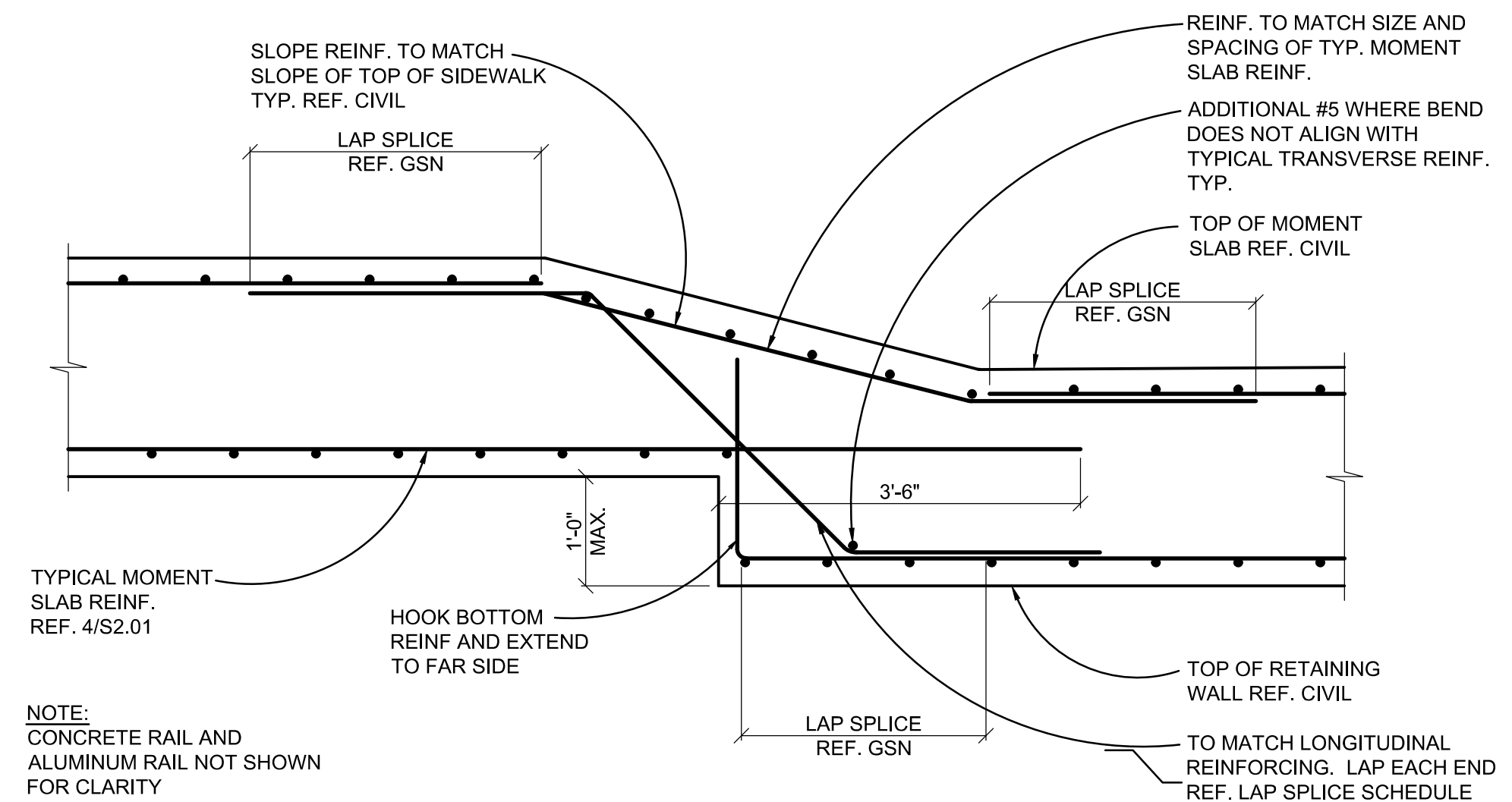
SHEET NO.
S1.01
 SHEET 152 OF 153
 RECORD NO.



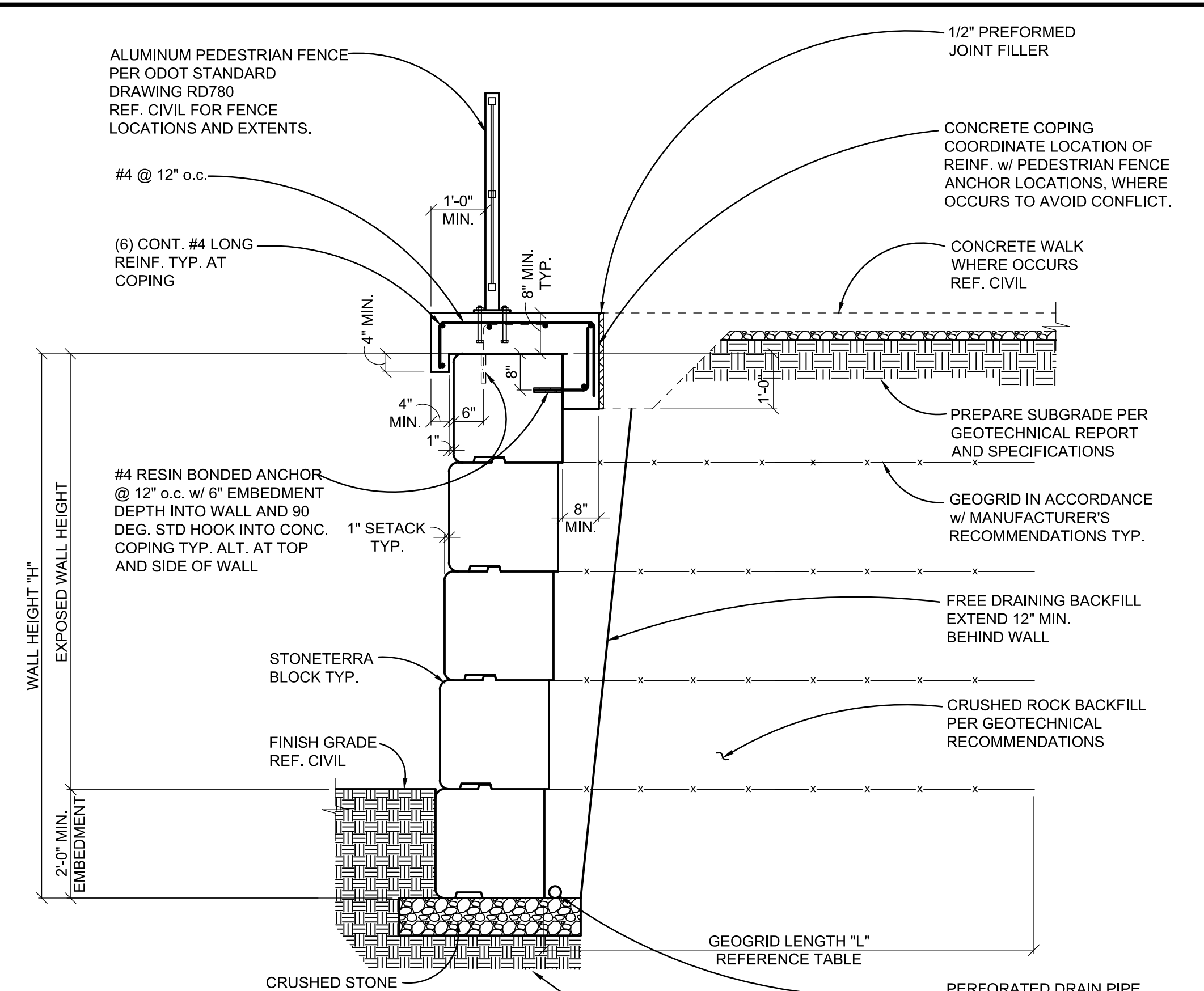
LATERAL PRESSURE TABLE

BACKSLOPE	ACTIVE EARTH PRESSURE	SURCHARGE PRESSURE
	"A" (PSF)	"B" (PSF)
FLAT	35H	0.33W
FLAT ≤ BACKSLOPE ≤ 4:1	54H	
4:1 ≤ BACKSLOPE ≤ 3:1	58H	
3:1 ≤ BACKSLOPE ≤ 2:1	73H	

5 LATERAL PRESSURES ON RETAINING WALLS
N.T.S.



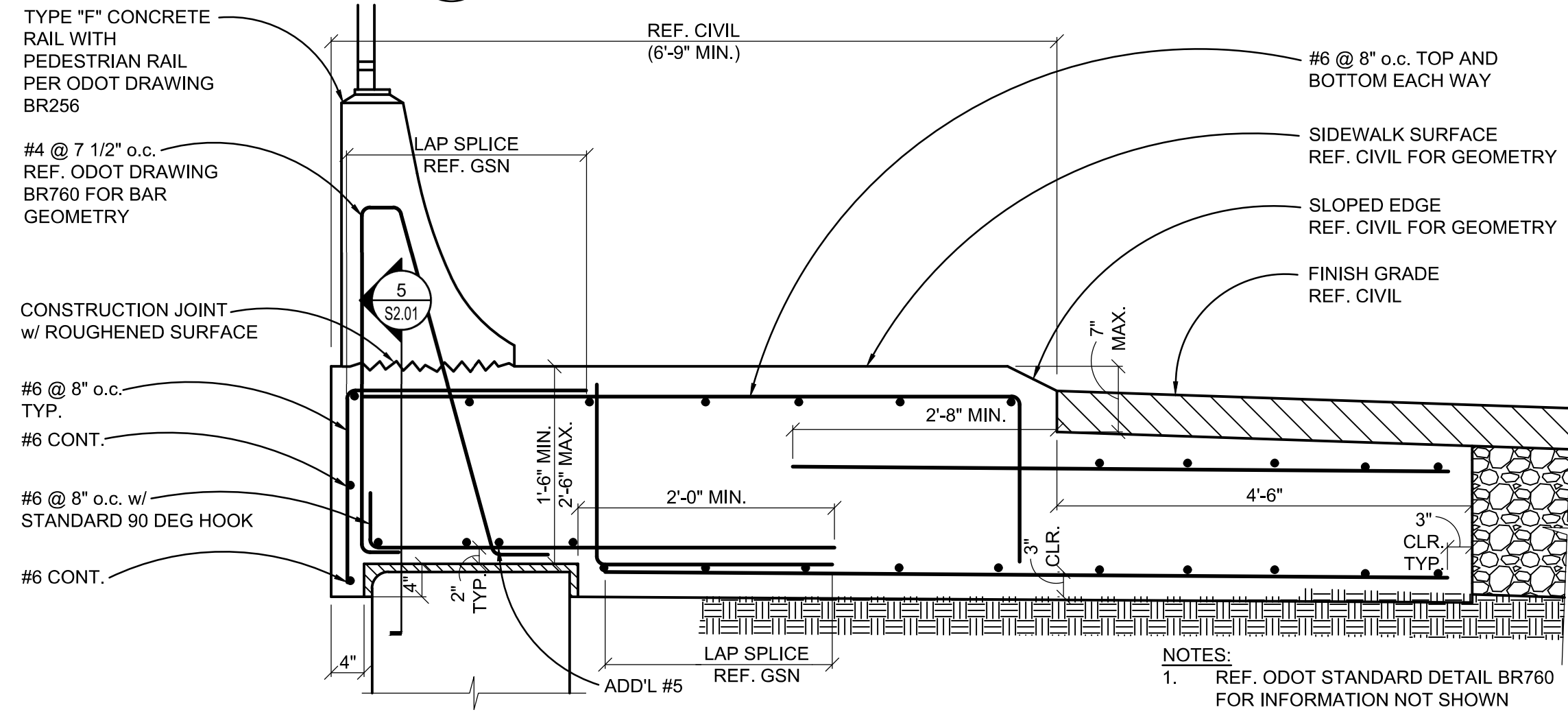
6 MOMENT SLAB STEP DETAIL
SCALE: 3/4" 1'-0"



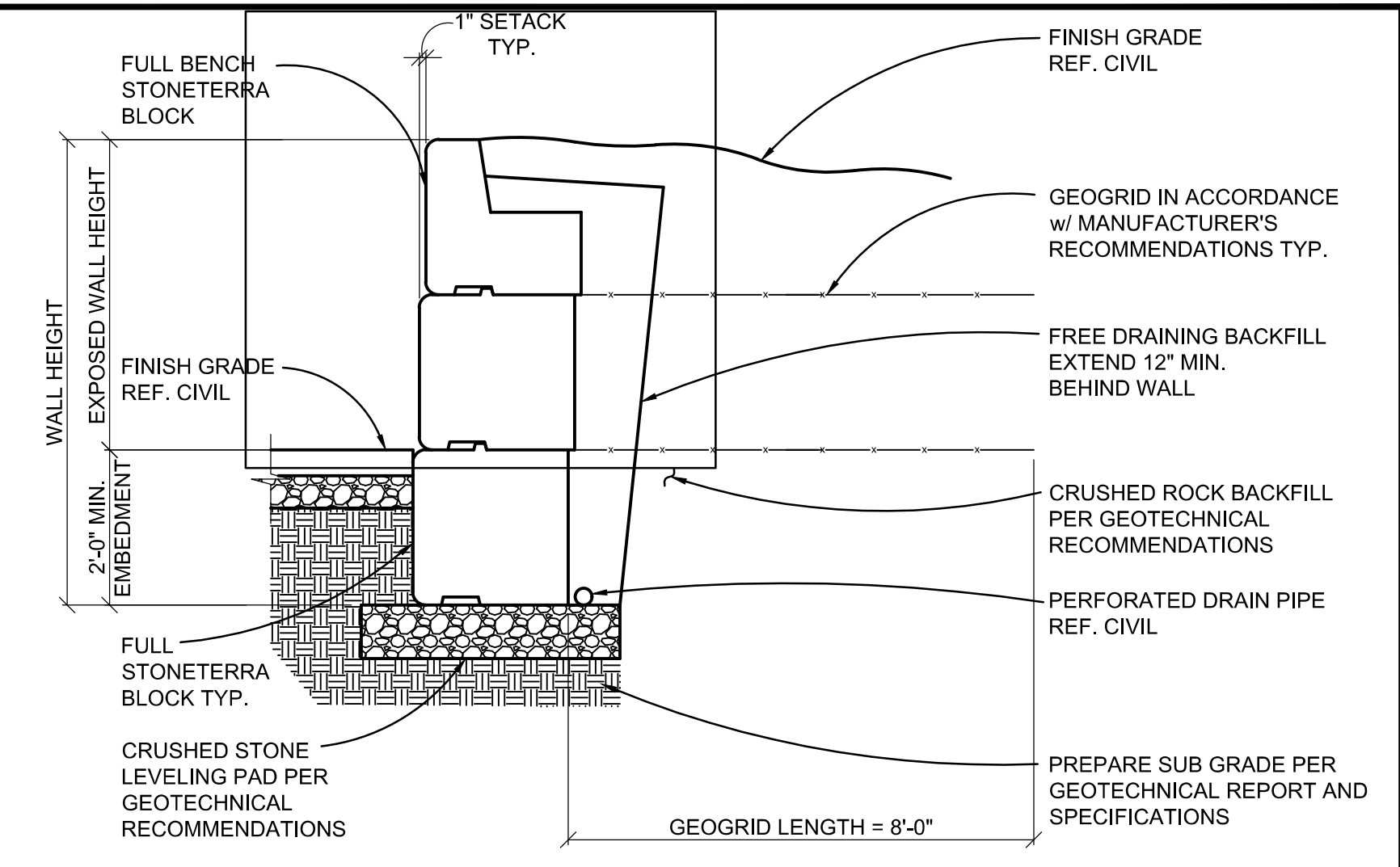
GEOGRID LENGTH TABLE

MAX HEIGHT, "H" (FT)	GEOGRID LENGTH "L" (FT)	
	WALL A AND B	WALL C
14	-	21
12	11	18
10	9	15
8	8	12

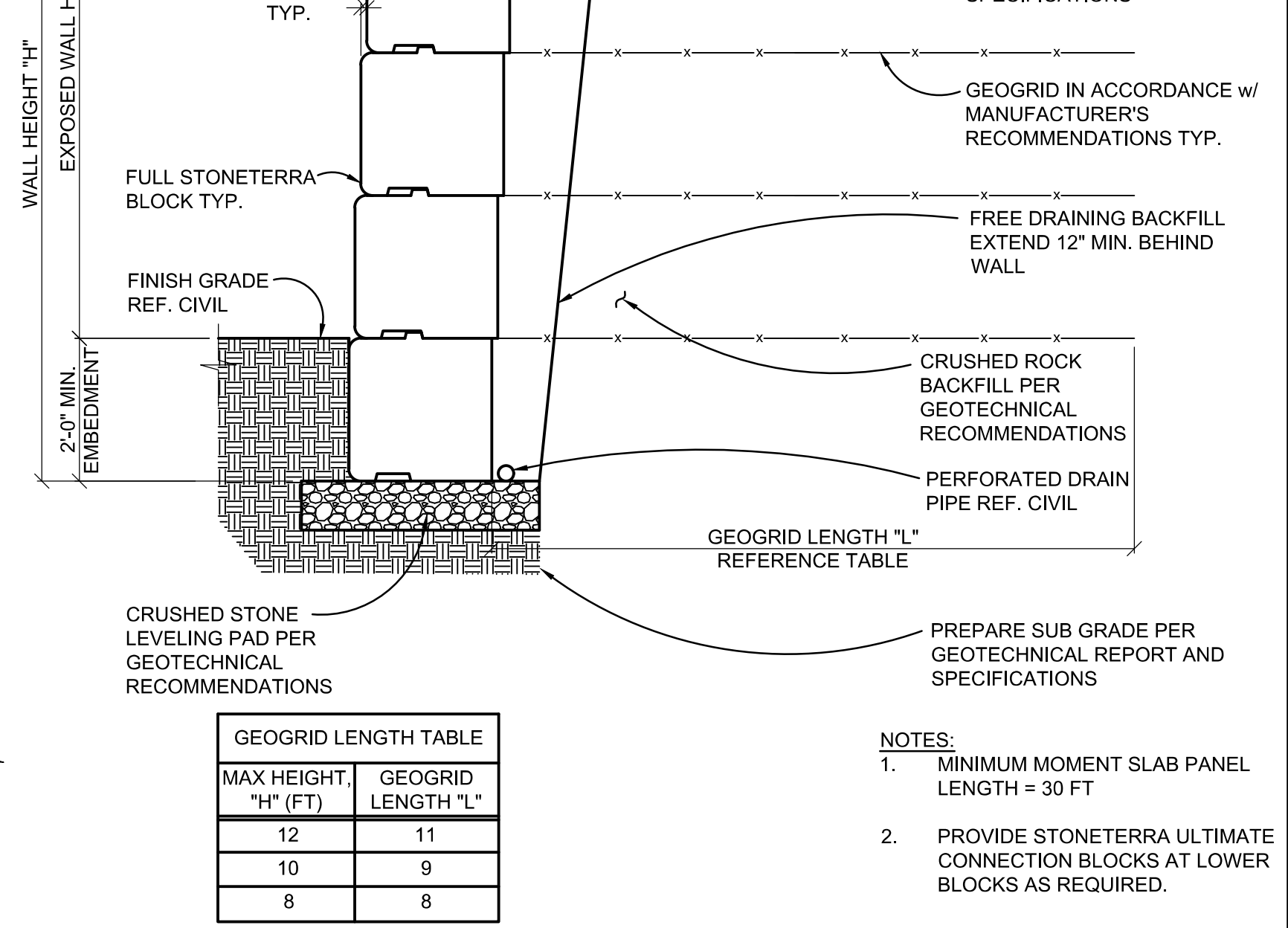
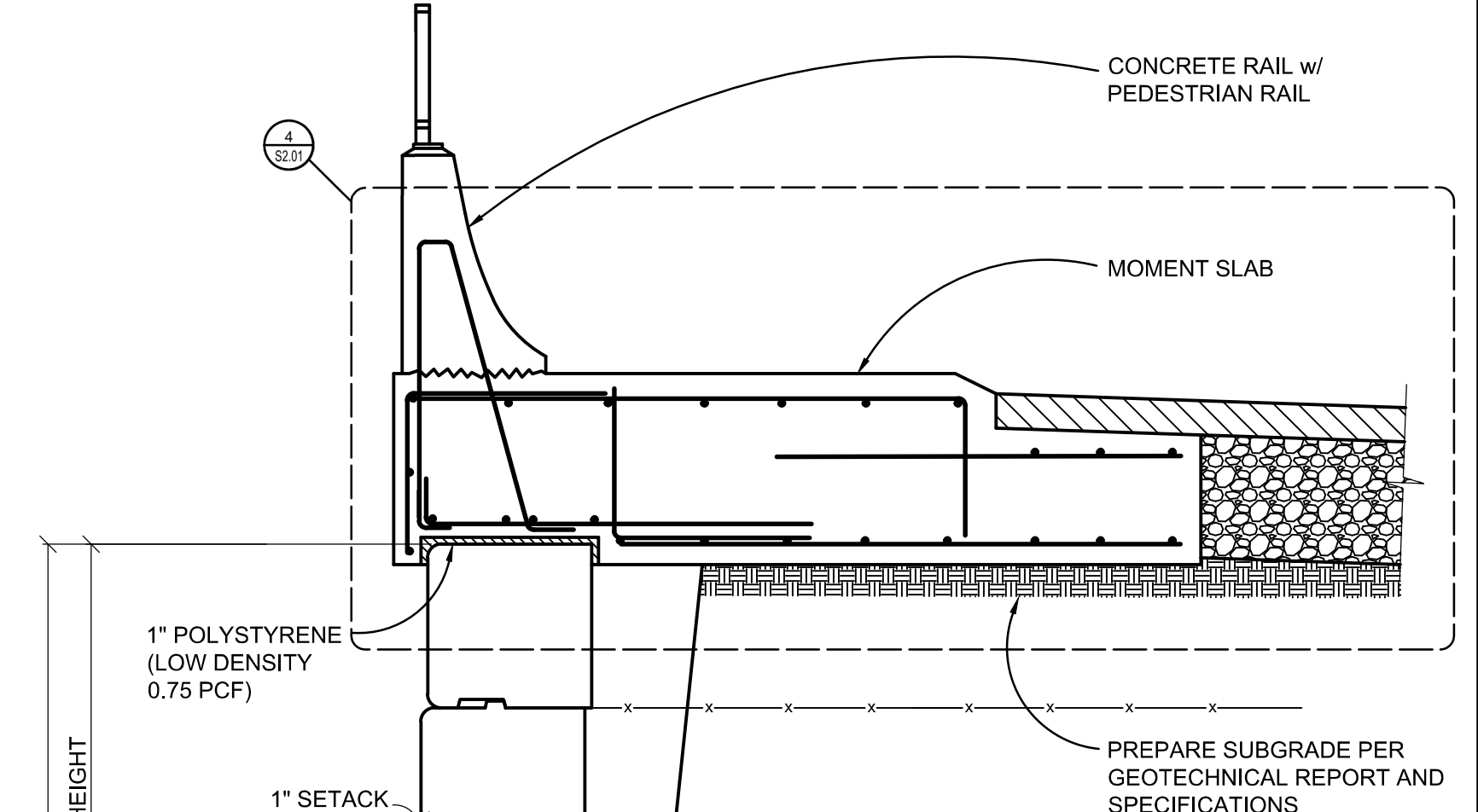
3 MSE STONETERRA WALL SECTION w/ CONCRETE COPING
SCALE: 1/2" = 1'-0"



4 MOMENT SLAB AT MSE WALL
SCALE: 3/4" 1'-0"



1 MSE STONETERRA WALL SECTION
SCALE: 1/2" = 1'-0"



2 MSE STONETERRA WALL SECTION w/ MOMENT SLAB
SCALE: 1/2" = 1'-0"

REVISION	DATE	DESCRIPTION	BY

APPROVED
By Erich Lais at 1:36:47 PM, 05/31/2022

kpff
111 SW Fifth Ave., Suite 2500
Portland, OR 97204
O: 503.227.3251
F: 503.227.7980
www.kpff.com

REGISTERED PROFESSIONAL ENGINEER
19008
DIGITALLY SIGNED 2022.05.26 13:49:24-0700
OREGON
NOV 14 2008
CRAIG J. TOTTEN
EXPIRES 06-30-22

JOB No.: 2000067.00
DESIGNED BY: SC
DRAWN BY: BF
CHECKED BY: TR
PLOT DATE: 5/26/22 1:19pm
PLOTTED BY: brad
DWG NAME: 1010200067-S2.01.dwg
TAB NAME: S2.01

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
WALL SECTIONS AND DETAILS

SHEET NO.
S2.01
SHEET 153 OF 153
RECORD NO.

File: \\kpff-pc\pdx\single\Production\kpff\other\offices\civil - portland_10101010200067 - w\w new athey creek ms public improvements\Drafting\1010200067-S2.01.dwg TAB: S2.01
22x34
Plotted: 5/26/22 at 1:19pm BY: brad

