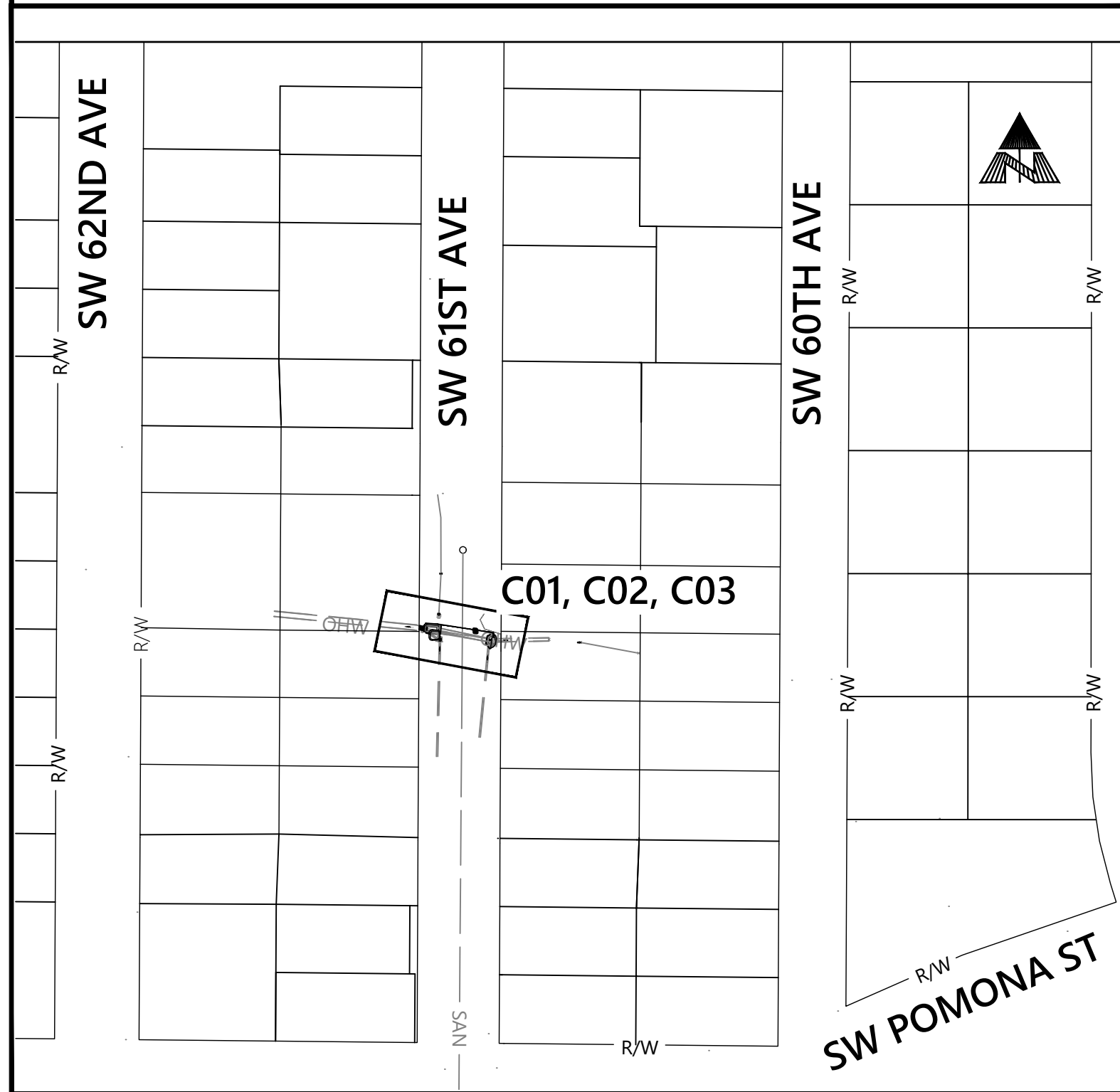


REVISED
6:48 am, Mar 11, 2026

SW 61ST - CULVERT REPLACEMENT

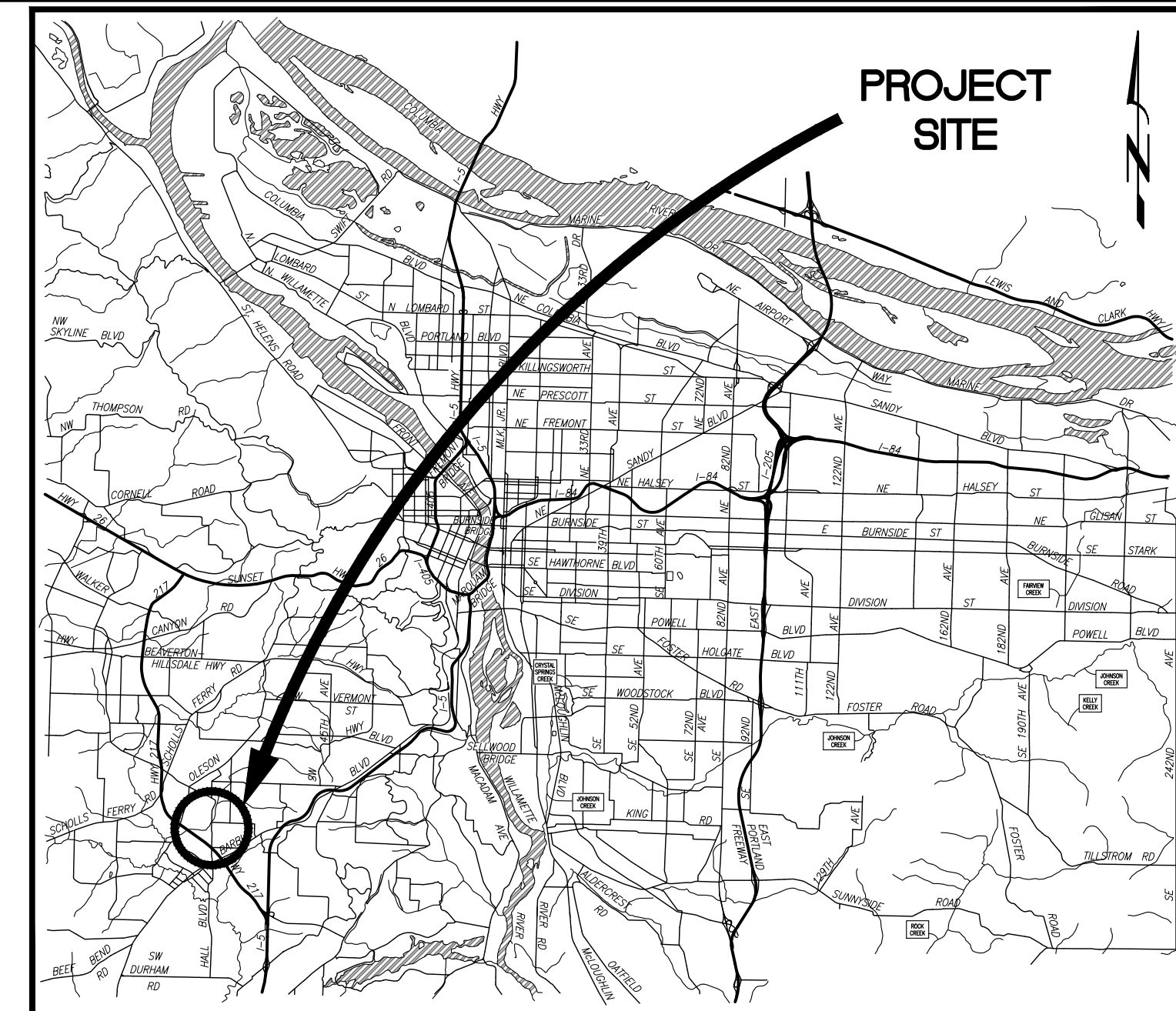


LEGEND:

	EXISTING	MAILBOX
	EXISTING	MAINTENANCE HOLE
	EXISTING	CULVERT IN
	EXISTING	CULVERT OUT
	EXISTING	POLE WITH STREET LIGHT
	EXISTING	DECIDUOUS TREE
	EXISTING	CONIFEROUS TREE
	EXISTING	WATER METER
	EXISTING	STORM SEWER MAIN
	EXISTING	EDGE OF PAVEMENT
	EXISTING	ELECTRICAL UNDER GROUND
	EXISTING	ENVIRONMENTAL CONSERVATION
	EXISTING	ENVIRONMENTAL PROTECTION
	EXISTING	GAS LINE
	EXISTING	PERMANENT EASEMENT
	EXISTING	SEWER SERVICE LATERAL
	EXISTING	PROPERTY LINE
	EXISTING	RIGHT-OF-WAY
	EXISTING	SANITARY SEWER MAIN
	EXISTING	WATER LINE
	EXISTING	DITCH, STORM DITCH
	PROPOSED	INLET PROTECTION
	PROPOSED	FIELD INLET
	PROPOSED	CONCRETE HEADWALL
	PROPOSED	PUMP
	PROPOSED	EXCLUSION ZONE FENCING
	PROPOSED	PEDESTRIAN RAIL
	PROPOSED	CULVERT
	PROPOSED	INLET PIPE/DEWATERING PIPE
	PROPOSED	PERFORATED DRAIN PIPE
	PROPOSED	SEWER ABANDONMENT
	PROPOSED	CLASS 50 RIP RAP

ABBREVIATIONS:

AVE	AVENUE
BES	BUREAU OF ENVIRONMENTAL SERVICES
CI	CAST IRON
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT OR COUNTY
CSP	CONCRETE SEWER PIPE
DI	DUCTILE IRON
DIA	DIAMETER
DWG	DRAWING
EL, ELEV	ELEVATION
EXIST, EXTG, EX.	EXISTING
FT	FOOT OR FEET
HORIZ	HORIZONTAL
HW	HEADWALL
IE	INVERT ELEVATION
MAX	MAXIMUM
MH	MAINTENANCE HOLE
MIN	MINIMUM
NO.	NUMBER
NTS	NOT TO SCALE
OHW	ORDINARY HIGH WATER
PGE	PORTLAND GENERAL ELECTRIC
PVC	POINT OF CURVATURE, VERTICAL CURVE OR POLYVINYL CHLORIDE
PWB	PORTLAND WATER BUREAU
RCP	REINFORCED CONCRETE PIPE
SF, SQ	SQUARE FEET
FT	FOOT
SQ.	SQUARE
ST	STREET
STA	STATION
STD	STANDARD
TEMP	TEMPORARY
TYP	TYPICAL
UTIL	UTILITY
VERT	VERTICAL
W/	WITH



PORTLAND, OREGON
VICINITY MAP
NOT TO SCALE

PROJECT AREA
SCALE: 1" = 100'

SITE ADDRESS:
11009 SW 61ST AVE
PORTLAND, OR 97219

- GENERAL NOTES:**
- EXISTING GRADES AND ELEVATIONS SHOWN IN PROFILE WERE PROVIDED BY THE CITY OF PORTLAND AND TAKEN ALONG THE CENTERLINE STATIONED ALIGNMENT OF CULVERT. VERIFY ALL ELEVATIONS AND GRADES.
 - UTILITIES AND SERVICE LATERALS AS SHOWN IN THE CONTRACT DOCUMENTS ARE AT APPROXIMATE LOCATIONS. VERIFY ALL LOCATIONS IN THE FIELD PRIOR TO CONSTRUCTION.
 - NOT ALL WATER OR GAS SERVICE LATERALS ARE SHOWN.
 - RECONNECT EXISTING INLET OR CATCH BASIN PIPES AS SHOWN IN THE CONTRACT DOCUMENTS, UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE.
 - SUPPORT UTILITIES, AS REQUIRED, TO PROTECT IN PLACE.
 - CONSTRUCT PER CURRENT CITY OF PORTLAND STANDARD DETAILS AND DRAWINGS, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
 - ALL INLET PIPING SHALL BE EITHER ASTM F714 DR 26 HDPE OR ASTM D3034 PVC SDR-35. FOR G-1 INLETS INSTALL 10-INCH DIAMETER PIPE AND FOR G-2 INLETS INSTALL 12-INCH DIAMETER PIPE.
 - CONTRACTOR TO COORDINATE WITH NW NATURAL TO RELOCATE GAS MAIN. CONTACT RYAN WINFREE, (503) 610-7765, srw@nwnatural.com.

- CONSTRUCTION NOTES:**
- PROTECT EXISTING RUBBLE AND TIMBER RETAINING WALL.
 - CONSTRUCT G2MA INLET PER ODOT STD DWG. RD364.
 - CONNECT PIPE TO STRUCTURE.
 - CONSTRUCT RETAINING WALL, CAST-IN-PLACE CONCRETE RIGID SEMI-GRAVITY CANTILEVER. SEE DETAIL SHEET S01.
 - PROTECT UTILITY IN PLACE.
 - REMOVE AND REINSTALL MAILBOX SUPPORTS.
 - PERMANENTLY RELOCATE MAILBOX TO LOCATION INDICATED BY THE OWNER'S REPRESENTATIVE.
 - CONTRACTOR TO SALVAGE AND STOCKPILE CONCRETE LANDSCAPE BLOCKS AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
 - CONSTRUCT PRE-CAST CONCRETE HEADWALL.
 - RELOCATE EXISTING UTILITY (BY OTHERS).
 - REMOVE PIPE.
 - CONSTRUCT GROUTED CLASS 50 RIP RAP.
 - CONSTRUCT SIDE MOUNTED ALUMINUM PEDESTRIAN RAIL PER ODOT STD. DWG. BR246.
 - CONSTRUCT CONCRETE CHANNEL PER DETAIL 1, SHEET CD01.
 - INSTALL TREE PROTECTION FENCING - C, AS SHOWN, PER COP STD. DWG. P-582.
 - INSTALL 12"x36" OBJECT MARKER ON PEDESTRIAN RAIL FACING UPSTREAM ONCOMING TRAFFIC. USE PBOT SIGN NO W2360 - RIGHT SIDE OBJECT MARKER.

- DESIGN CRITERIA AND ASSUMPTIONS:**
- NO EXCEPTIONS TO CITY STANDARDS OR OTHER REGULATORY REQUIREMENTS WERE TAKEN DURING THE DESIGN OF THIS PROJECT.
 - WATER QUALITY TREATMENT AND DETENTION ARE NOT REQUIRED FOR THIS PROJECT PER THE CURRENT STORMWATER MANAGEMENT MANUAL.
 - ENVIRONMENTAL ZONES EXIST WITHIN THE PROJECT BOUNDARY.
 - ESTIMATED PEAK SUMMER FLOW RATE RANGE = 2-18 CFS.

NOTICE TO EXCAVATORS:
ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 503-232-1987).

POTENTIAL UNDERGROUND FACILITY OWNERS

Dig Safely.

Call the Oregon One-Call Center
DIAL 811 or 1-800-332-2344

EMERGENCY TELEPHONE NUMBERS

NW NATURAL GAS	503-226-4211 Ext.4313
M-F 7am-6pm	503-226-4211
AFTER HOURS	503-464-7777
PGE	1-800-573-1311
LUMEN	503-823-1700
CITY BUREAU OF MAINTENANCE	503-823-4874
CITY WATER	503-823-4874
VERIZON	1-800-483-1000

SHEET INDEX

SHEET NUMBER	SHEET TITLE	SHEET DESCRIPTION
1	G01	COVER SHEET, VICINITY MAP LEGEND, NOTES, SHEET INDEX
2	C01	EXISTING CONDITIONS PLAN AND PROFILE SW 61ST AVE N. OF SW POMONA ST ADJ218 TO ADJ217
3	C02	PROPOSED CONDITIONS PLAN AND PROFILE SW 61ST AVE N. OF SW POMONA ST HW-01 TO HW-02
4	C03	PROPOSED CONDITIONS DEWATERING AND DIVERSION PLAN
5	CD01	CIVIL DETAILS
6	S01	STRUCTURAL DETAILS DESIGN CRITERIA AND STRUCTURAL NOTES
7	S02	STRUCTURAL DETAILS HEADWALL 2 (HW-02)
8	CE01	EROSION CONTROL PLAN NOTES AND DETAILS

CITY OF PORTLAND VERTICAL DATUM AND OCRS83.PORTLANDIF

NO.	DATE	DESCRIPTION	APPD.
		REVISION	

XREF(S) USED:	E11640_XBMAP/E11640_XDSN/E11640_XSURV
ROTATION ANGLE:	0d0'0"
CONSTRUCTED BY:	
PROJECT COMPLETED:	
MAP CORRECTED BY:	CHECKED BY:
FINAL MAP DATA	
DRAWING NAME:	E11640_G-SHEETS.dwg

DESIGNED BY:	DATE APPROVED:
GAD BY:	ENGR. SUPV.:
CHECKED BY:	CONST. SUPV.:
	ENGR. DIV. MGR.:

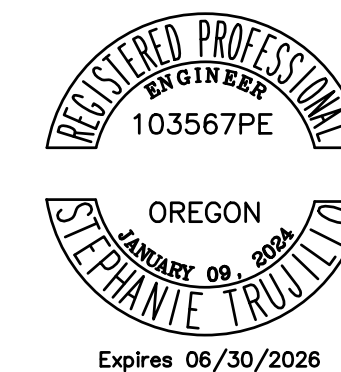
CITY OF PORTLAND
ENVIRONMENTAL SERVICES

KEITH WILSON
MAYOR

APPROVAL

PAUL SUTO, P.E.
CHIEF ENGINEER

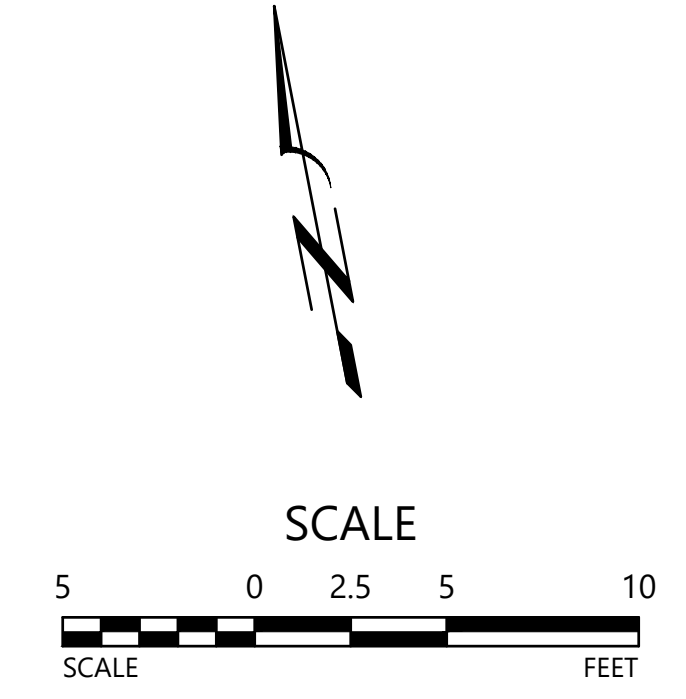
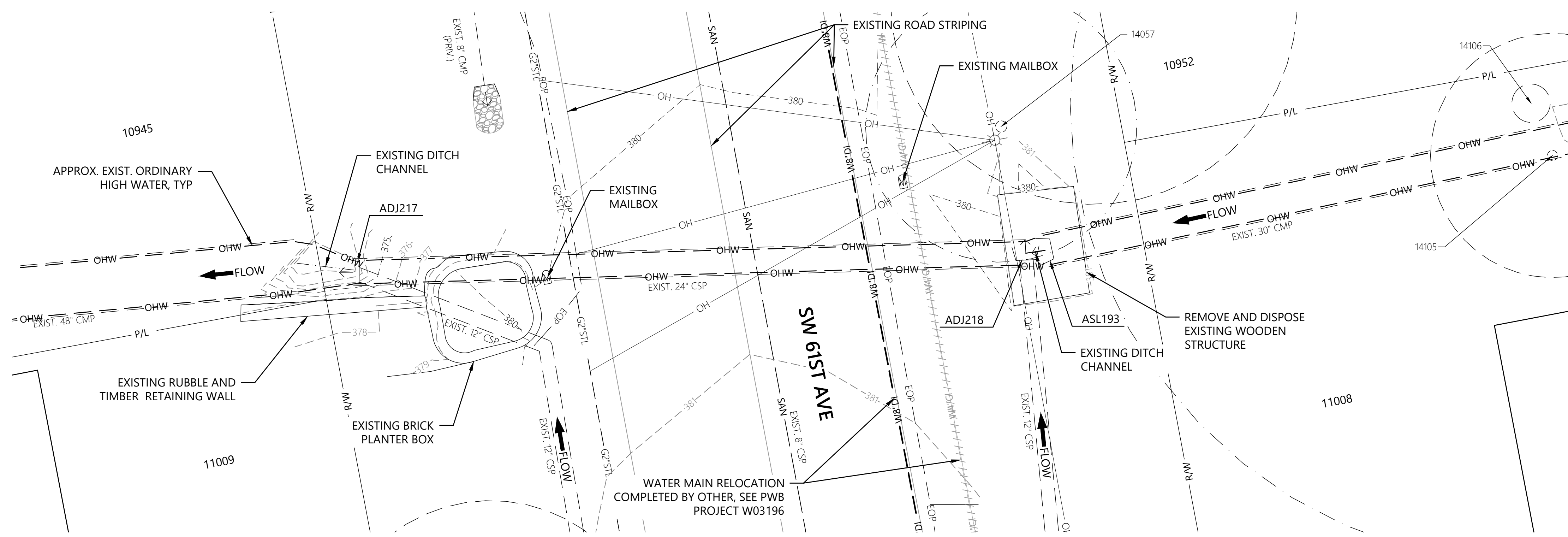
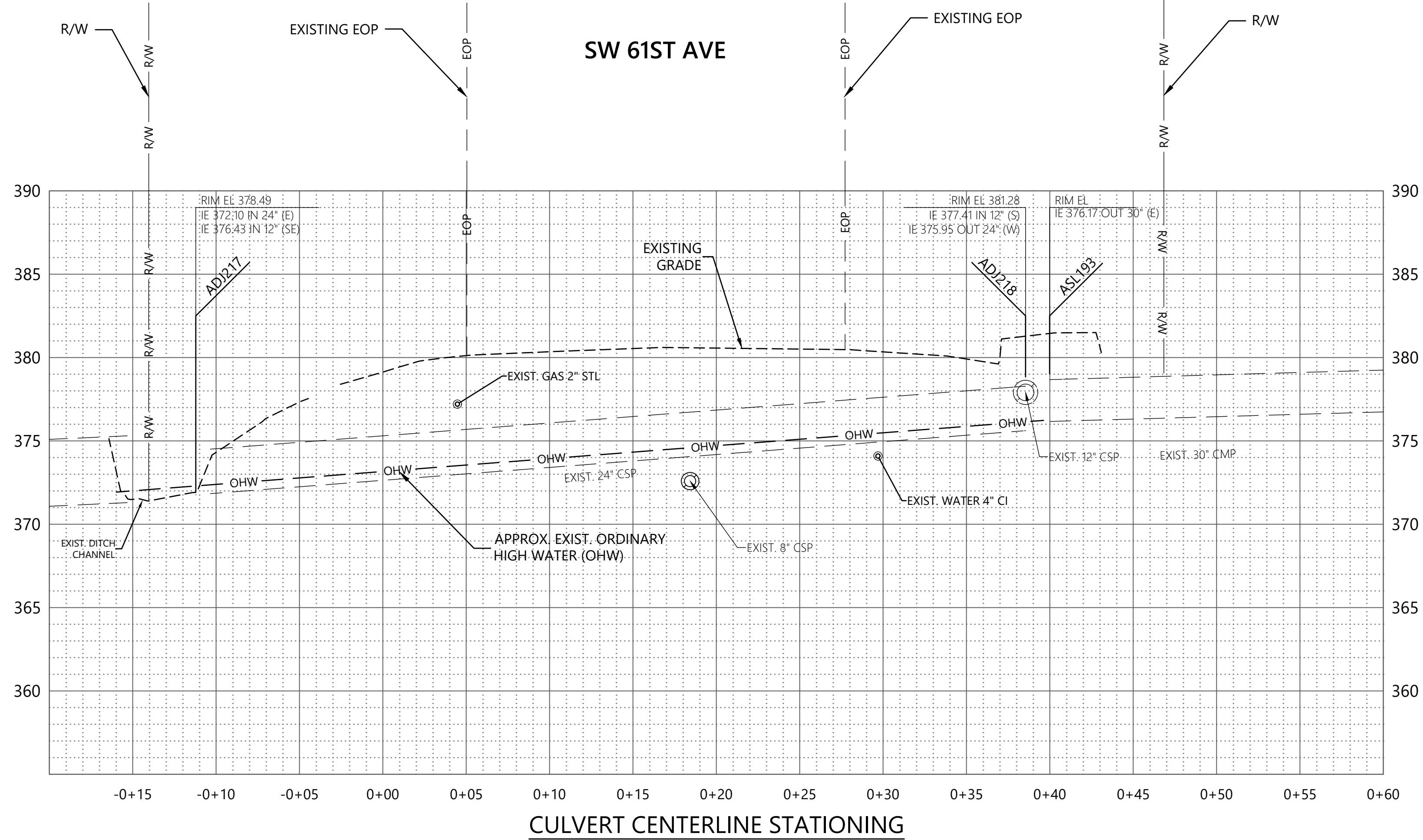
ENVIRONMENTAL SERVICES CHIEF ENGINEER
REG. PROF. ENGR. NO. 82245



SW 61ST
CULVERT REPLACEMENT

COVER SHEET, VICINITY MAP
LEGEND, NOTES, SHEET INDEX

1/4 SECTION
4123
JOB NO.
E11640
SHEET NO.
G01
1 OF 8



C:\SHAWN\PEREZ\E11640_SW_61ST.DWG\E11640_C-SHEETS.DWG 3/9/2026 PEREZ, SHAWN

NO.	DATE	DESCRIPTION	APPD.

DESIGNED BY	DATE APPROVED
CSL	
CAD BY	ENGR. SUPV.
SLP	RG
PROJECT COMPLETED	CONST. SUPV.
ST	ED
CHECKED BY	ENGR. DIV. MGR.
ST	SD

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

REGISTERED PROFESSIONAL ENGINEER
103567PE

OREGON
JANUARY 09, 2004

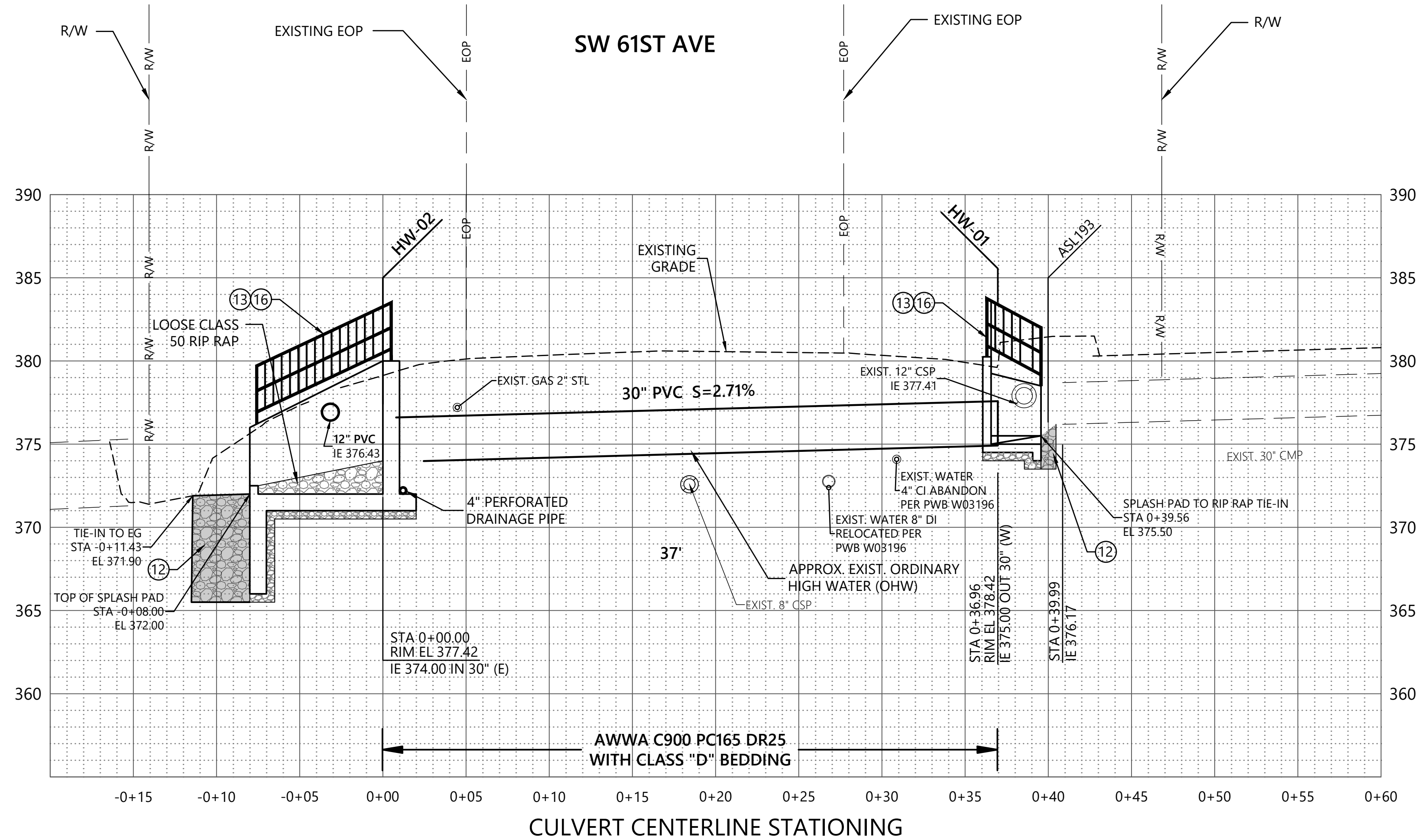
STEPHANIE TRUJILLO

Expires 06/30/2026

**SW 61ST
CULVERT REPLACEMENT**

EXISTING CONDITIONS PLAN AND PROFILE
SW 61ST AVE N. OF SW POMONA ST
ADJ218 TO ADJ217

1/4 SECTION	4123
JOB NO.	E11640
SHEET NO.	C01
	2 OF 8



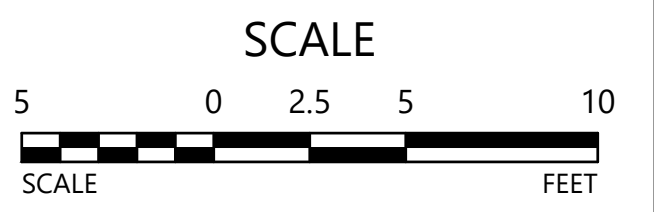
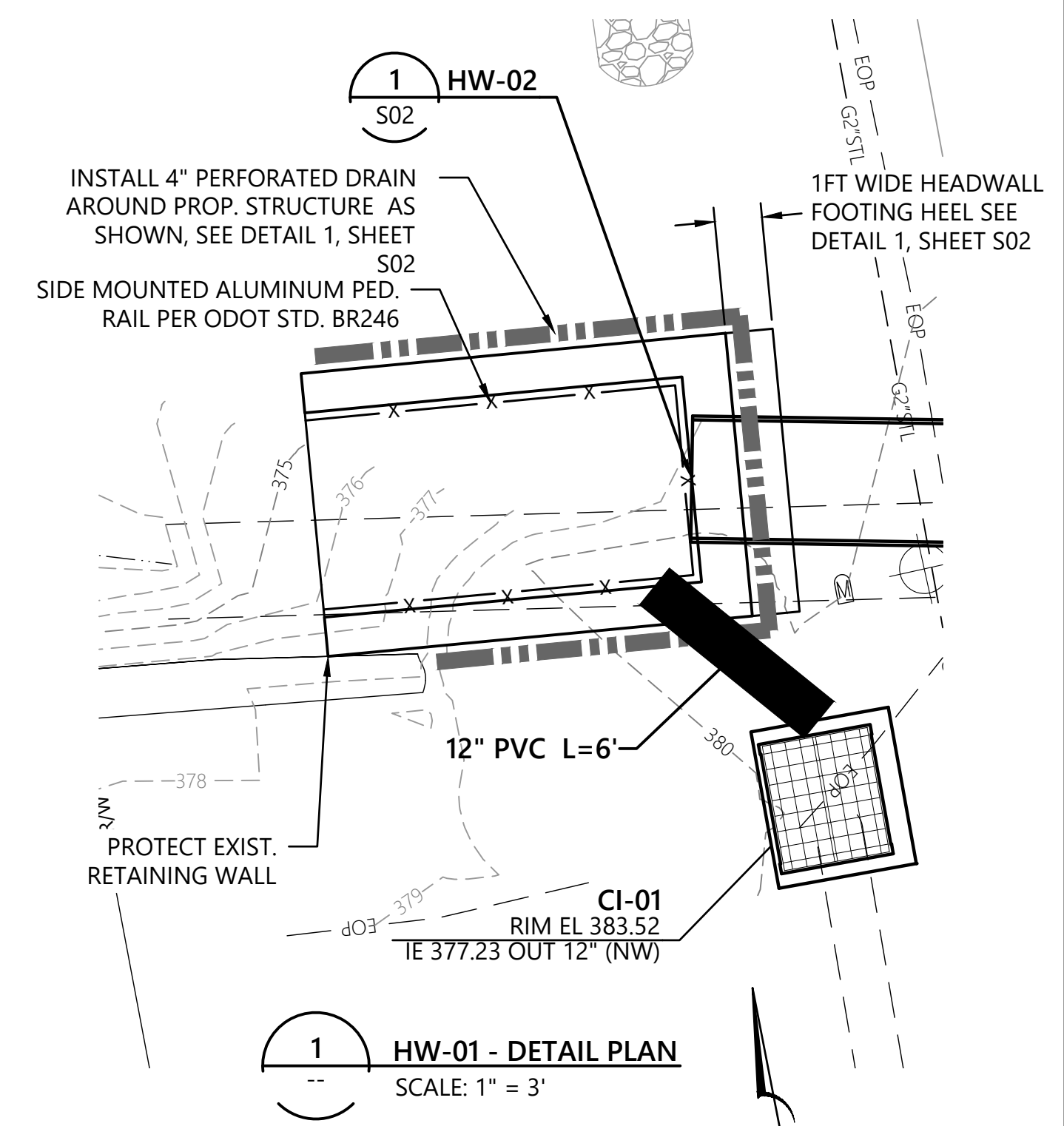
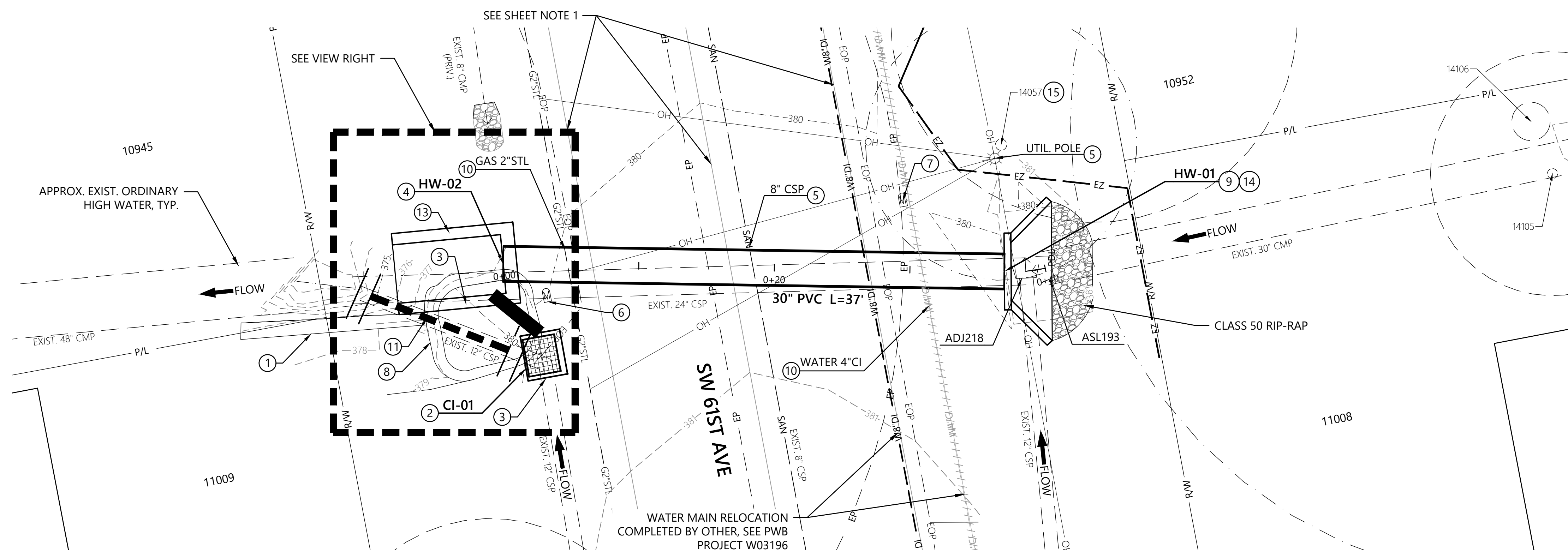
SHEET NOTES:

- PERMANENT TRAFFIC STRIPING AND MARKING TO BE COMPLETED BY THE BUREAU OF TRANSPORTATION AFTER COMPLETION OF WORK. CONTRACTOR SHALL MAINTAIN ALL TEMPORARY STRIPING AND COORDINATE WITH OWNER'S REPRESENTATIVE WHEN FINAL PAVING IS COMPLETE.

CONSTRUCTION NOTES:

- PROTECT EXISTING RUBBLE AND TIMBER RETAINING WALL.
- CONSTRUCT G2MA INLET PER ODOT STD DWG. RD364.
- CONNECT PIPE TO STRUCTURE.
- CONSTRUCT RETAINING WALL, CAST-IN-PLACE CONCRETE RIGID SEMI-GRAVITY CANTILEVER. SEE DETAIL SHEET S01.
- PROTECT UTILITY IN PLACE.
- REMOVE AND REINSTALL MAILBOX SUPPORTS.
- PERMANENTLY RELOCATE MAILBOX TO LOCATION INDICATED BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR TO SALVAGE AND STOCKPILE CONCRETE LANDSCAPE BLOCKS AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- CONSTRUCT PRE-CAST CONCRETE HEADWALL.
- RELOCATE EXISTING UTILITY (BY OTHERS).
- REMOVE PIPE.
- CONSTRUCT GROUTED CLASS 50 RIP RAP.
- CONSTRUCT SIDE MOUNTED ALUMINUM PEDESTRIAN RAIL PER ODOT STD. DWG. BR246.
- CONSTRUCT CONCRETE CHANNEL PER DETAIL 1, SHEET CD01.
- INSTALL TREE PROTECTION FENCING - C, AS SHOWN, PER COP STD. DWG. P-582.
- INSTALL 12"x36" OBJECT MARKER ON PEDESTRIAN RAIL FACING UPSTREAM ONCOMING TRAFFIC. USE PBOT SIGN NO W2360 - RIGHT SIDE OBJECT MARKER.

CULVERT CENTERLINE STATIONING



C:\SHAWN\PEREZ\E11640 SW 61ST.DWG\E11640_C-SHEETS.DWG 3/9/2026 PEREZ, SHAWN

NO.	DATE	DESCRIPTION	APPD.

DESIGNED BY CSL	DATE APPROVED
CAD BY SLP	ENGR. SUPV. RG
CHECKED BY ST	CONST. SUPV. ED
	ENGR. DIV. MGR. SD

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

REGISTERED PROFESSIONAL ENGINEER
103567PE

OREGON
JANUARY 09, 2004
STEPHANIE TRUJILLO

Expires 06/30/2026

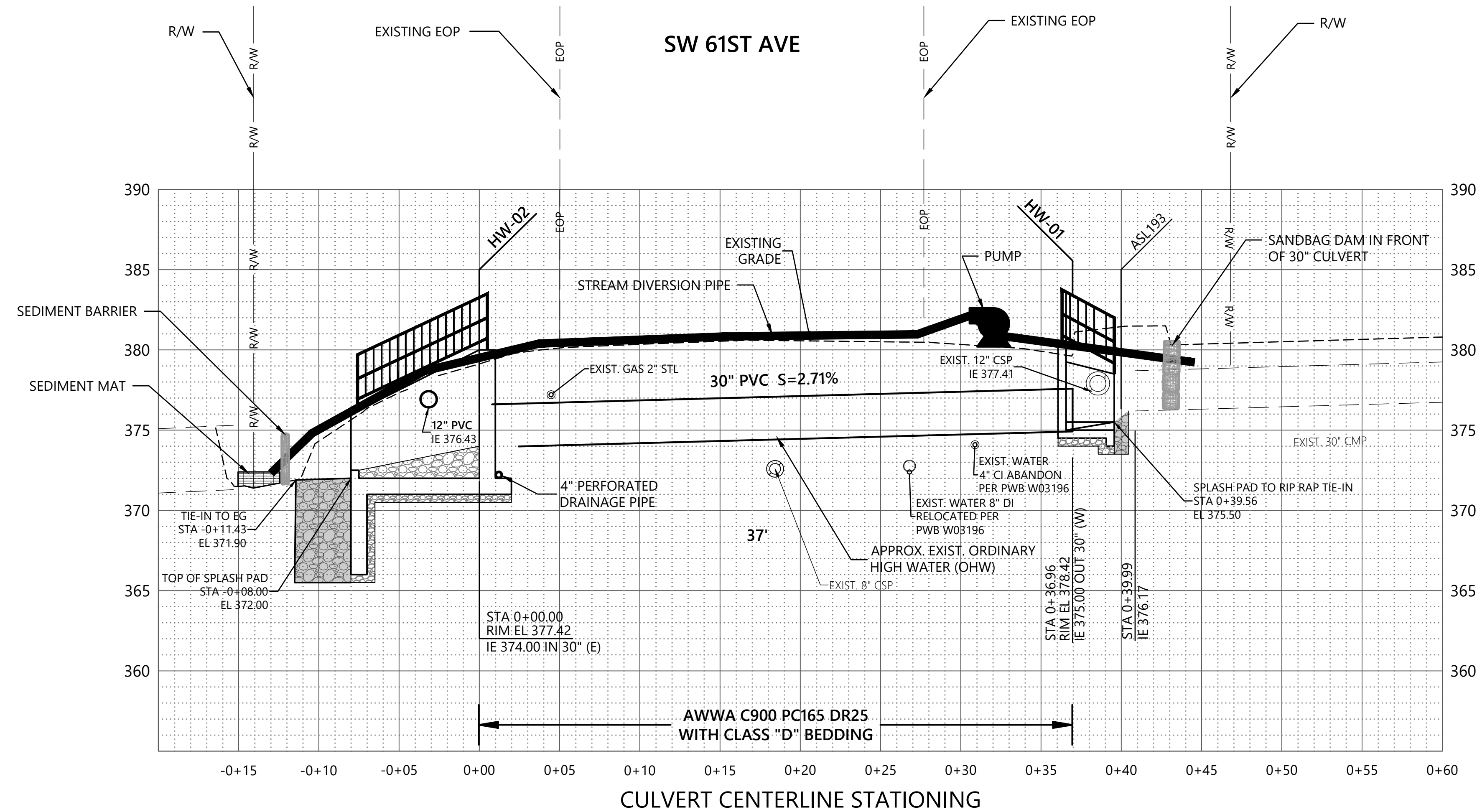
**SW 61ST
CULVERT REPLACEMENT**

PROPOSED CONDITIONS PLAN AND PROFILE
SW 61ST AVE N. OF SW POMONA ST
HW-01 TO HW-02

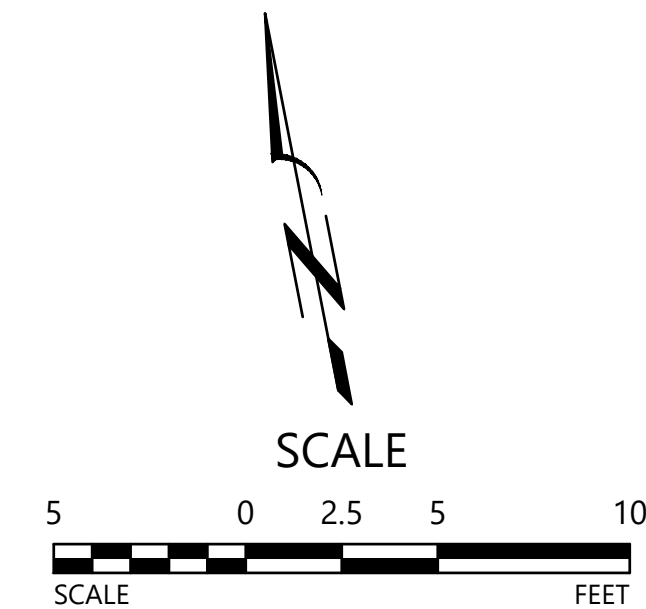
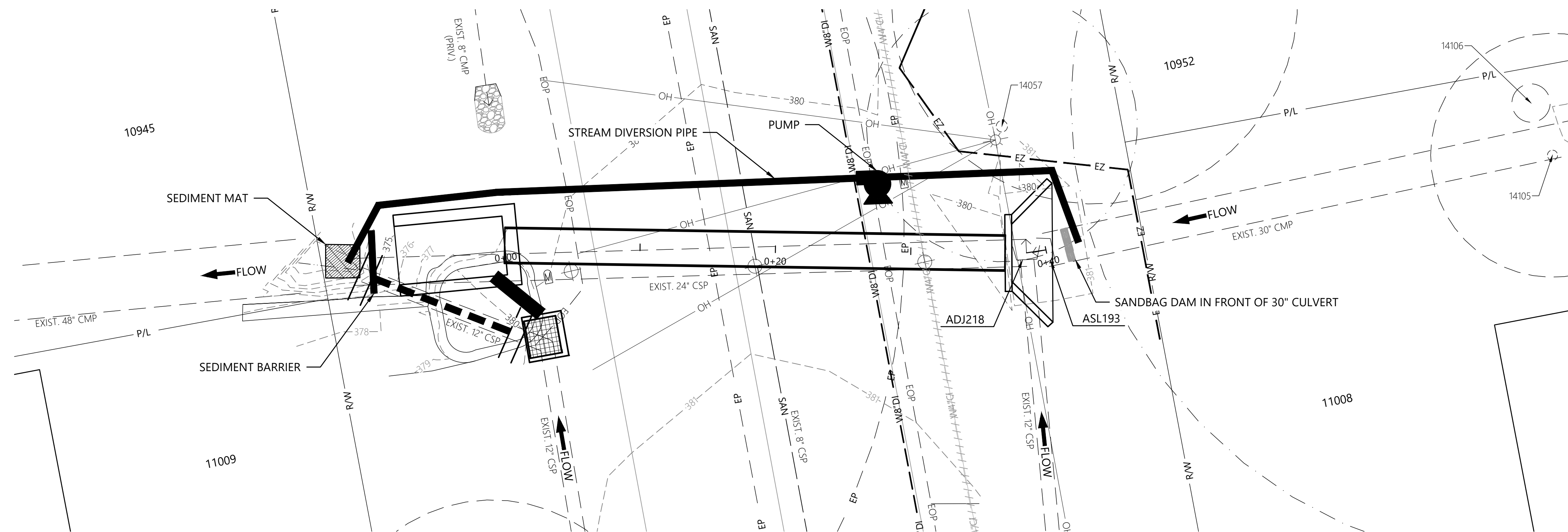
1/4 SECTION 4123
JOB NO. E11640
SHEET NO. C02
3 OF 8

SHEET NOTES:

1. CONTRACTOR TO SUBMIT A STREAM DIVERSION AND DEWATERING PLAN. CONTRACTOR MAY PROPOSE AN ALTERNATE PLAN TO WHAT IS SHOWN. REFER TO SECTIONS 00290 AND 01091 OF THE SPECIAL PROVISIONS.



PROFILE:
HORIZ 1"=5'
VERT 1"=5'



C:\SHAWN\PEREZ\E11640_SW_61ST.DWG\E11640_C-SHEETS.DWG 3/9/2026 PEREZ, SHAWN

XREF(S) USED: E11640_XBMAP E11640_XDSN E11640_XSURV W03196-OCRS		DESIGNED BY CSL	DATE APPROVED
ROTATION ANGLE: 11d0'0"		CAD BY SLP	ENGR. SUPV. RG
CONSTRUCTED BY		CHECKED BY ST	CONST. SUPV. ED
PROJECT COMPLETED		ENGR. DIV. MGR. SD	
MAP CORRECTED BY			
DRAWING NAME: E11640_C-SHEETS.dwg			
NO.	DATE	DESCRIPTION	APPD.
REVISION			

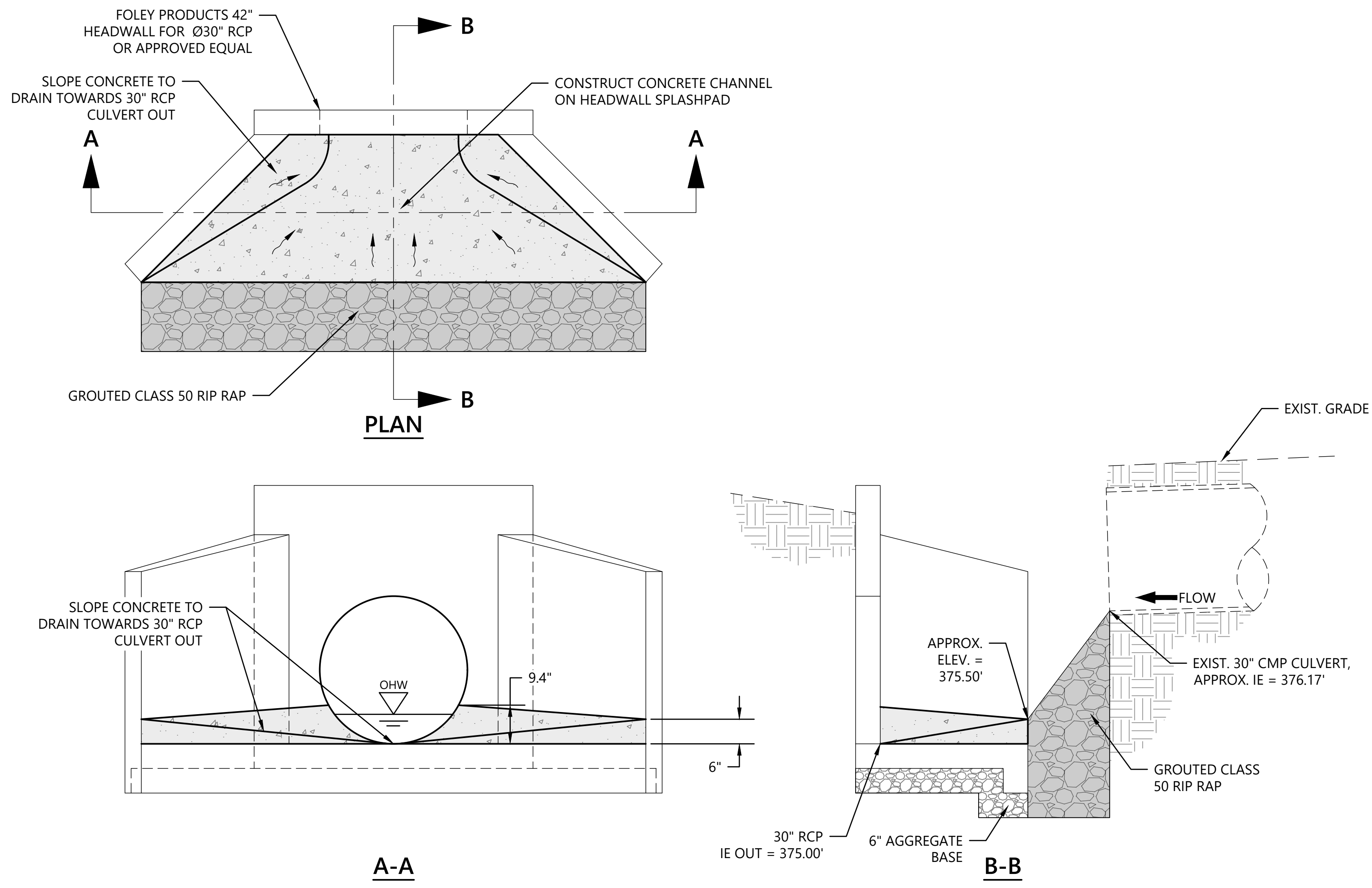
CITY OF PORTLAND
ENVIRONMENTAL SERVICES



**SW 61ST
CULVERT REPLACEMENT**

PROPOSED CONDITIONS
DEWATERING AND DIVERSION PLAN

1/4 SECTION
4123
JOB NO.
E11640
SHEET NO.
C03
4 OF 8

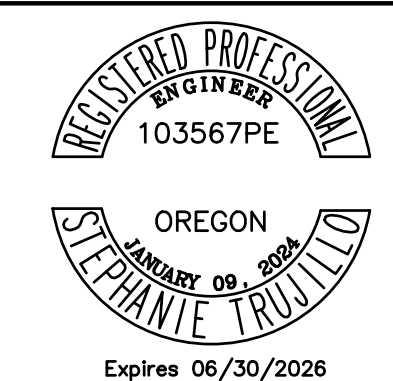


1 HEADWALL 1 (HW-01) CONCRETE CHANNEL
 C02 SCALE: NTS

Q:\SHAWNPEREZ\E11640_SW_61ST\DWG\E11640_CD-SHEETS.DWG 3/9/2026 PEREZ, SHAWN

XREF(S) USED:		DESIGNED BY	DATE APPROVED
ROTATION ANGLE:		RR	
CONSTRUCTED BY:		GAD BY	ENGR. SUPV.
PROJECT COMPLETED		SLP	RG
MAP CORRECTED BY:		CHECKED BY	CONST. SUPV.
CHECKED BY		ST	ED
DRAWING NAME:		ENGR. DIV. MGR.	
E11640_CD-SHEETS.dwg		SD	

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

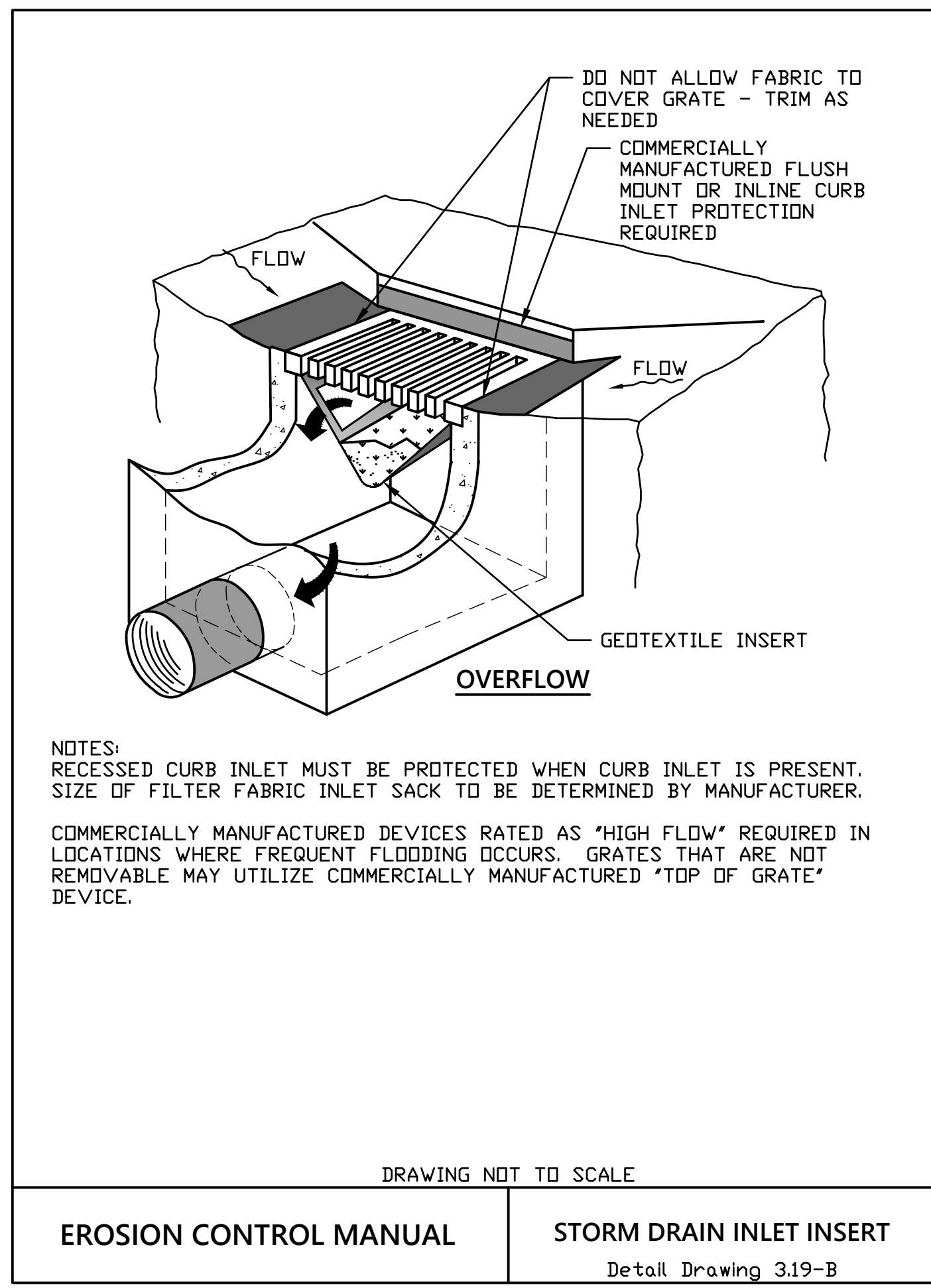
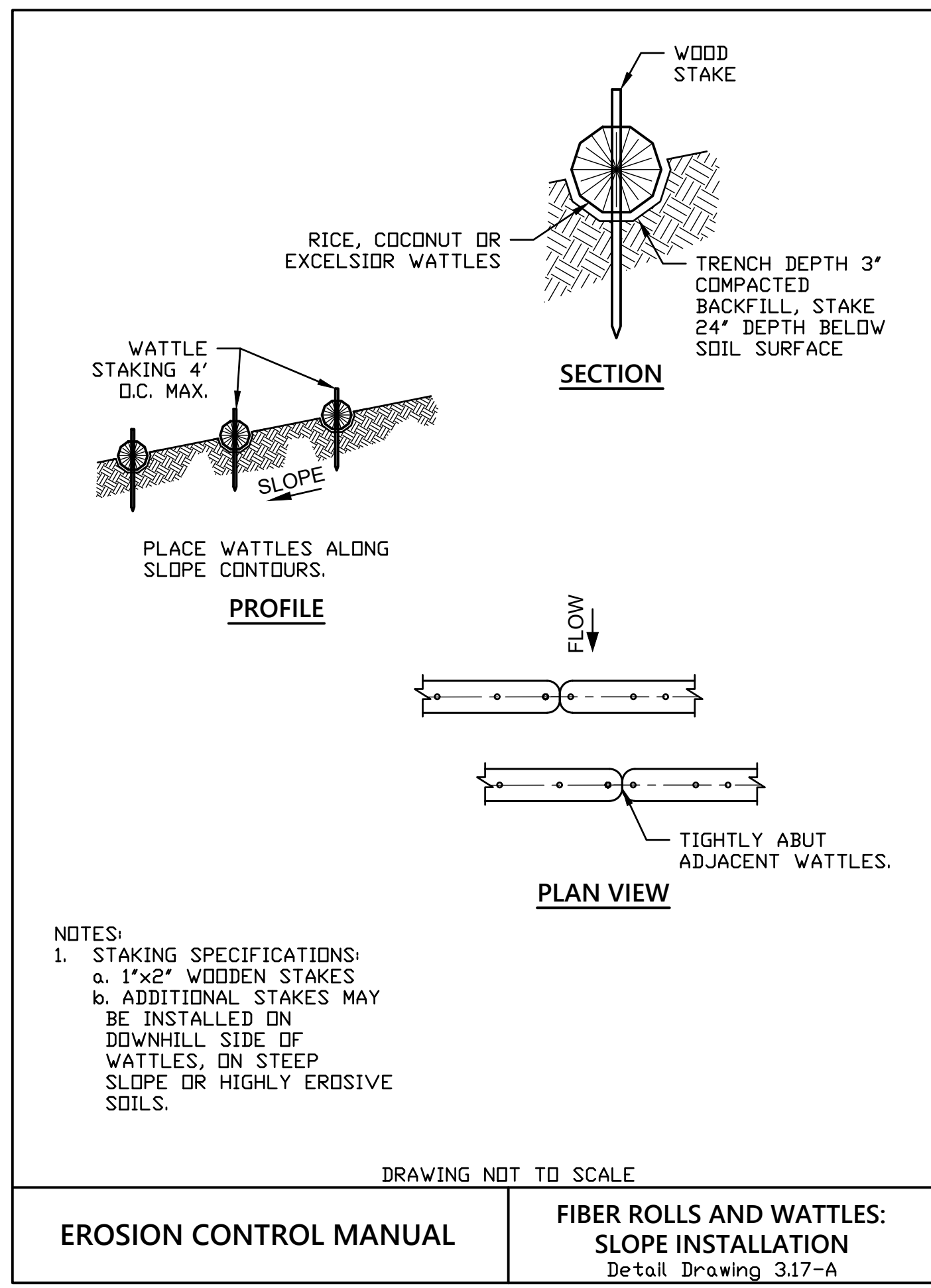
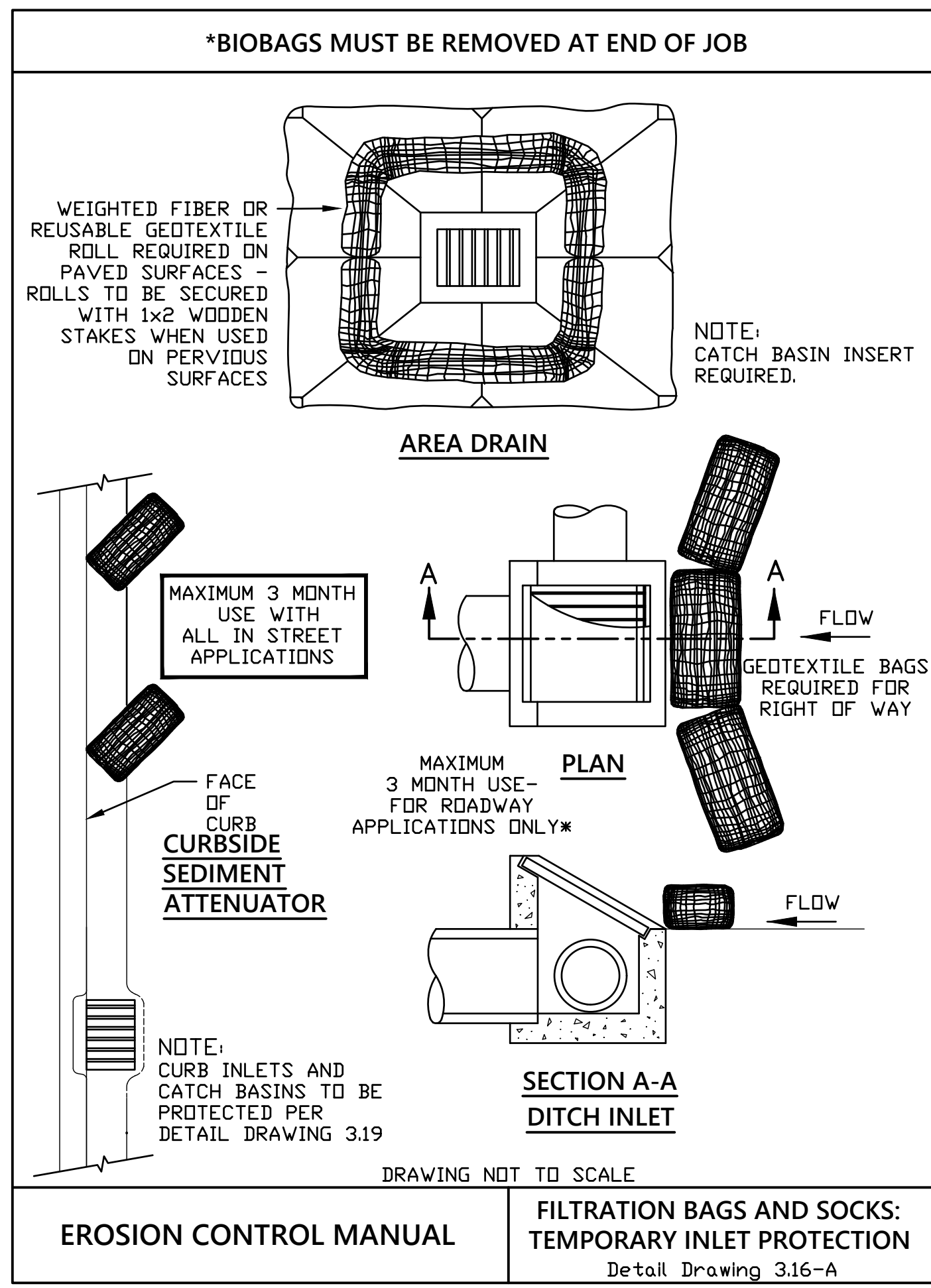
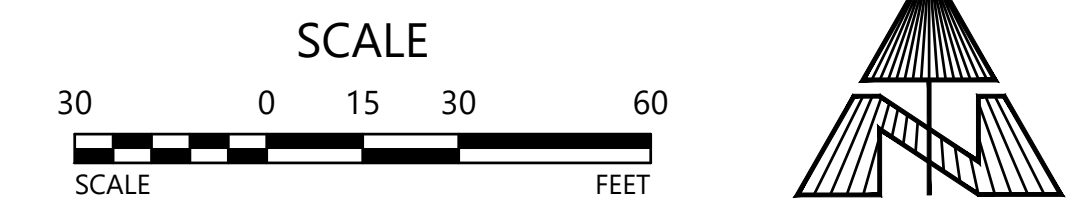
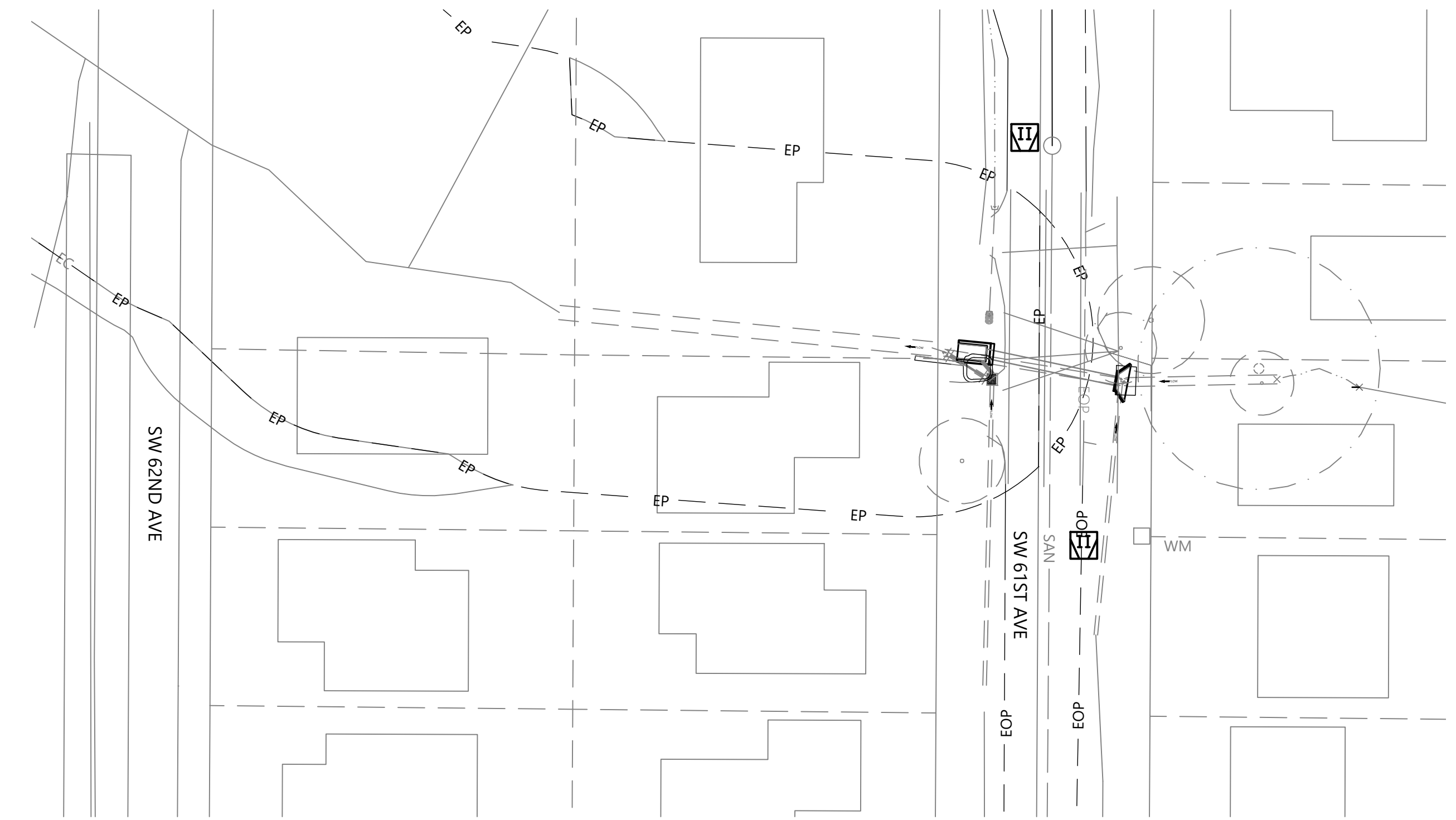


SW 61ST
 CULVERT REPLACEMENT
 CIVIL DETAILS

1/4 SECTION	4123
JOB NO.	E11640
SHEET NO.	CD01
	5 OF 8

GENERAL NOTES FOR EROSION AND SEDIMENT CONTROL:

1. EROSION AND SEDIMENT CONTROL IS REQUIRED FOR THIS PROJECT.
2. PREPARE AN EROSION AND SEDIMENT CONTROL PLAN (ESCP) BEFORE BEGINNING WORK. KEEP A COPY OF THE ESCP AND THE CITY EROSION AND SEDIMENT CONTROL MANUAL (MARCH 2022) ON SITE AT ALL TIMES DURING THE PROJECT.
3. THE EROSION AND SEDIMENT CONTROL FACILITIES AS SHOWN IN THE CONTRACT DOCUMENTS ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED PROJECT WORK AREA AND SEASONAL CONDITIONS. UPGRADE THESE FACILITIES TO ADDRESS CHANGING WORK OR WEATHER CONDITIONS.
4. SELECT BEST MANAGEMENT PRACTICES (BMPs) FROM THE FOLLOWING DOCUMENTS:
THE CITY OF PORTLAND EROSION AND SEDIMENT CONTROL MANUAL
THE STANDARD CONSTRUCTION SPECIFICATIONS
THE PROJECT CONTRACT DOCUMENTS
5. INSTALL, MONITOR, REPLACE AND UPGRADE ALL FACILITIES AND MEASURES AS SPECIFIED IN THE CONTRACT DOCUMENTS. PERFORM MAINTENANCE TO ENSURE THEIR CONTINUED FUNCTIONING.
6. INSPECT AND MAINTAIN ALL FACILITIES AND MEASURES UNTIL PROJECT WORK AREAS ARE PERMANENTLY RESURFACED OR STABILIZED.
7. COMPLETE AN EROSION CONTROL MONITORING FORM AFTER EACH INSPECTION. INCLUDE THE INSPECTION DATE AND TIME. SUBMIT COMPLETED FORMS THROUGH THE HERON PROCESS. PROVIDE THEM UPON REQUEST TO THE OWNER'S REPRESENTATIVE.
8. NO VISIBLE AND MEASURABLE SEDIMENT SHALL EXIT THE SITE, ENTER A PUBLIC RIGHT-OF-WAY, OR BE DEPOSITED INTO ANY WATER BODY OR STORM DRAINAGE SYSTEM.
9. FOLLOWING A STORM EVENT, INSPECT AND ADJUST, REPAIR, IMPROVE, OR REPLACE ALL DEFICIENT OR FAILING FACILITIES AND MEASURES.
10. PROTECT ALL FUNCTIONING STORMWATER INLETS AND CATCH BASINS FROM RECEIVING UNFILTERED SEDIMENT AND SEDIMENT-LADEN RUNOFF.
11. REMOVE SEDIMENT AND DEBRIS FROM INLETS AND CATCH BASINS BEFORE AND AFTER PAVING. DO NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
12. STABILIZE ALL EXPOSED SOIL IMMEDIATELY FOLLOWING GROUND DISTURBING ACTIVITY.
13. STABILIZE AND PROTECT STOCKPILED SOIL WITH APPROVED MEASURES.
14. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES AFTER THE PROJECT IS COMPLETED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE.
15. INSTALL SEDIMENT FENCE.



Q:\SHAWN\PEREZ\E11640_SW_61ST.DWG\E11640_CE-SHEETS.DWG 3/9/2026 PEREZ, SHAWN

NO.	DATE	DESCRIPTION	APPD.
		REVISION	

XREF(S) USED:	E11640_XBMAP\E11640_XDSN\E11640_XSURV	DESIGNED BY	CSL	DATE APPROVED	
ROTATION ANGLE:	0d0'0"	GAD BY	SLP	ENGR. SUPV.	RG
CONSTRUCTED BY		PROJECT COMPLETED	ST	CONST. SUPV.	ED
MAP CORRECTED BY		CHECKED BY		ENGR. DIV. MGR.	SD
		FINAL MAP DATA			
DRAWING NAME:	E11640_CE-SHEETS.dwg				

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

REGISTERED PROFESSIONAL ENGINEER
103567PE
OREGON
STEPHANIE TRUJILLO
Expires 06/30/2026

SW 61ST CULVERT REPLACEMENT
EROSION CONTROL PLAN
NOTES AND DETAILS

1/4 SECTION
4123
JOB NO.
E11640
SHEET NO.
CE01
8 OF 8