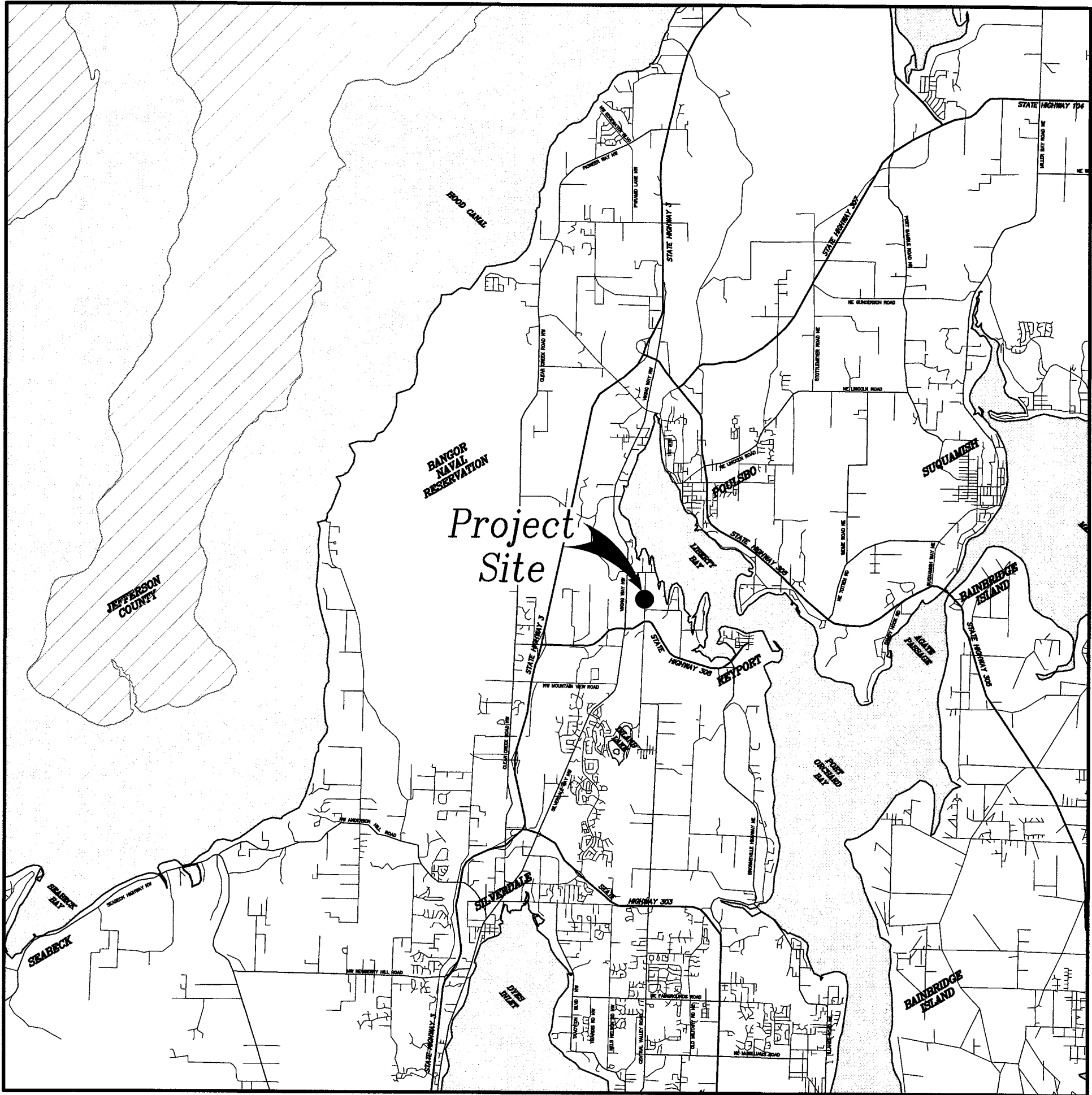


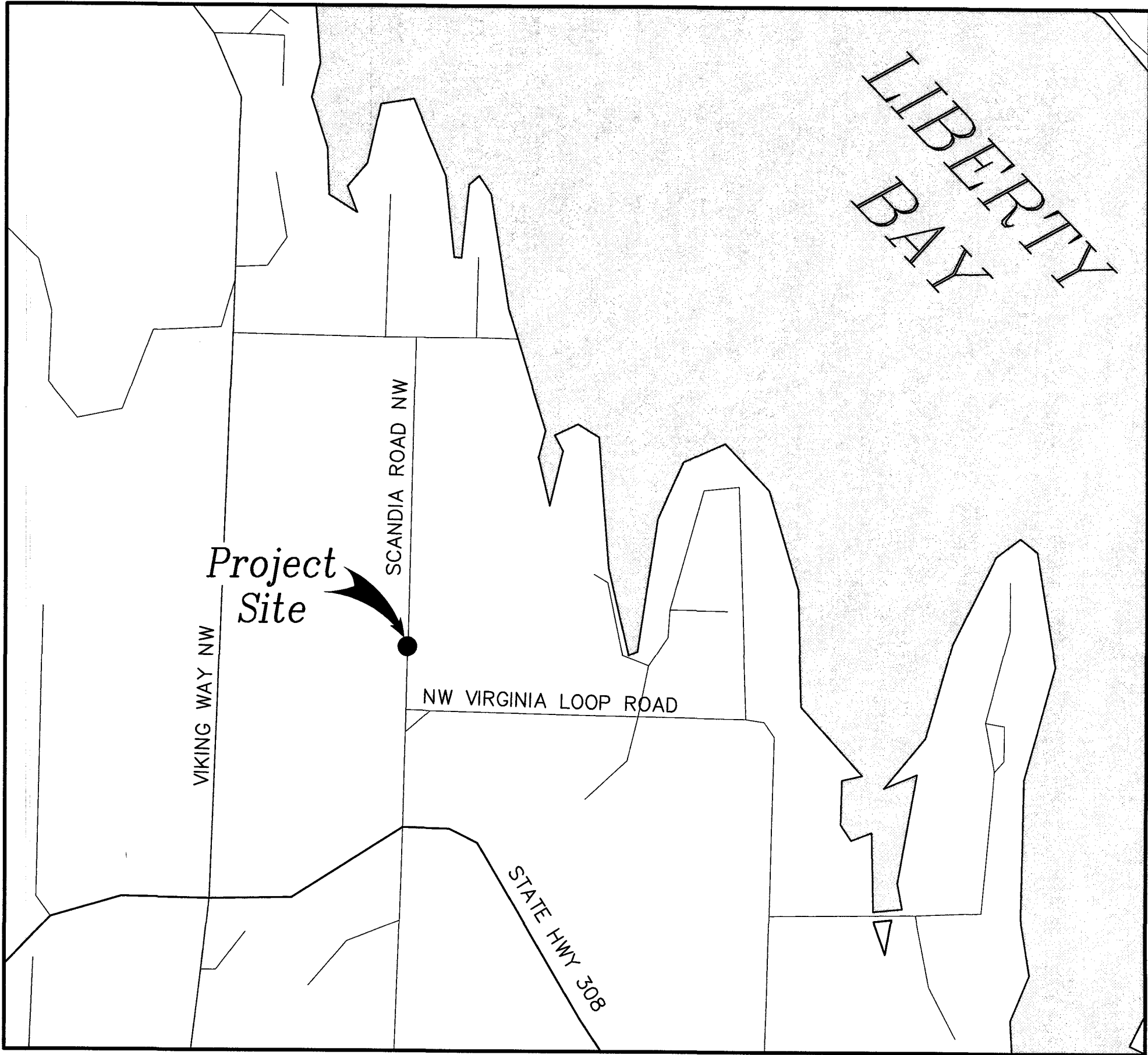
COUNTY ROAD PROJECT No. 1630
SCANDIA ROAD NW
CULVERT REPLACEMENT

SECTION 27, TOWNSHIP 26, RANGE 1 EAST, W.M.

SHEET INDEX	
SHEET 1	COVER SHEET
SHEET 2	LEGEND AND NOTES
SHEET 3	SURVEY CONTROL & ALIGNMENT
SHEET 4	SITE PREP/DEMOLITION PLAN
SHEET 5	TYPICAL ROADWAY SECTIONS
SHEET 6	PLAN AND PROFILE
SHEET 7	CULVERT DETAILS



VICINITY MAP
NTS



PROJECT MAP
NTS



BID SET

APPROVED FOR CONSTRUCTION:

11/9/22
DATE

Joseph P. Rutan
JOSEPH P. RUTAN, P.E., COUNTY ENGINEER

BOARD OF COMMISSIONERS:

CHARLOTTE GARRIDO
ROBERT GELDER
EDWARD E. WOLFE

DIRECTOR OF PUBLIC WORKS

ANDREW B. NELSON, P.E.

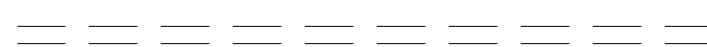
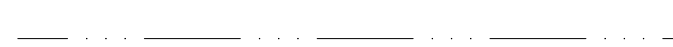
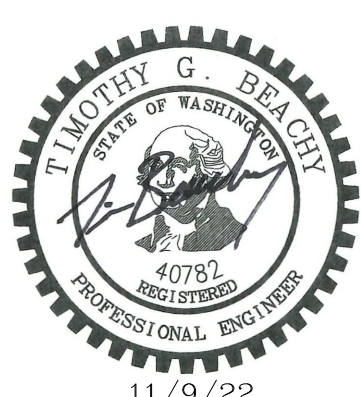


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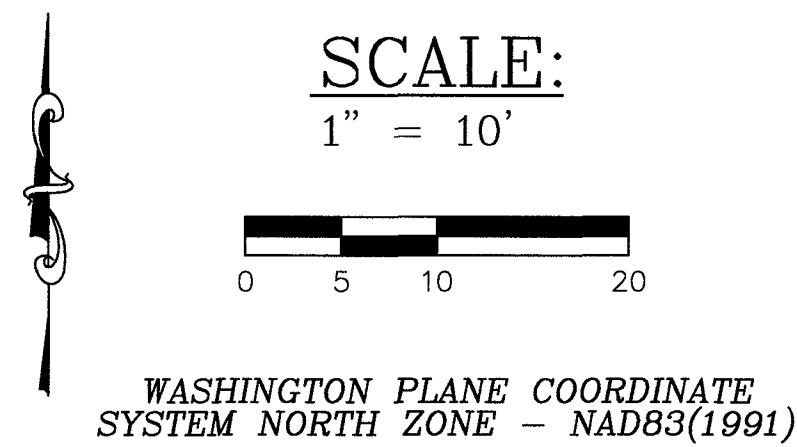
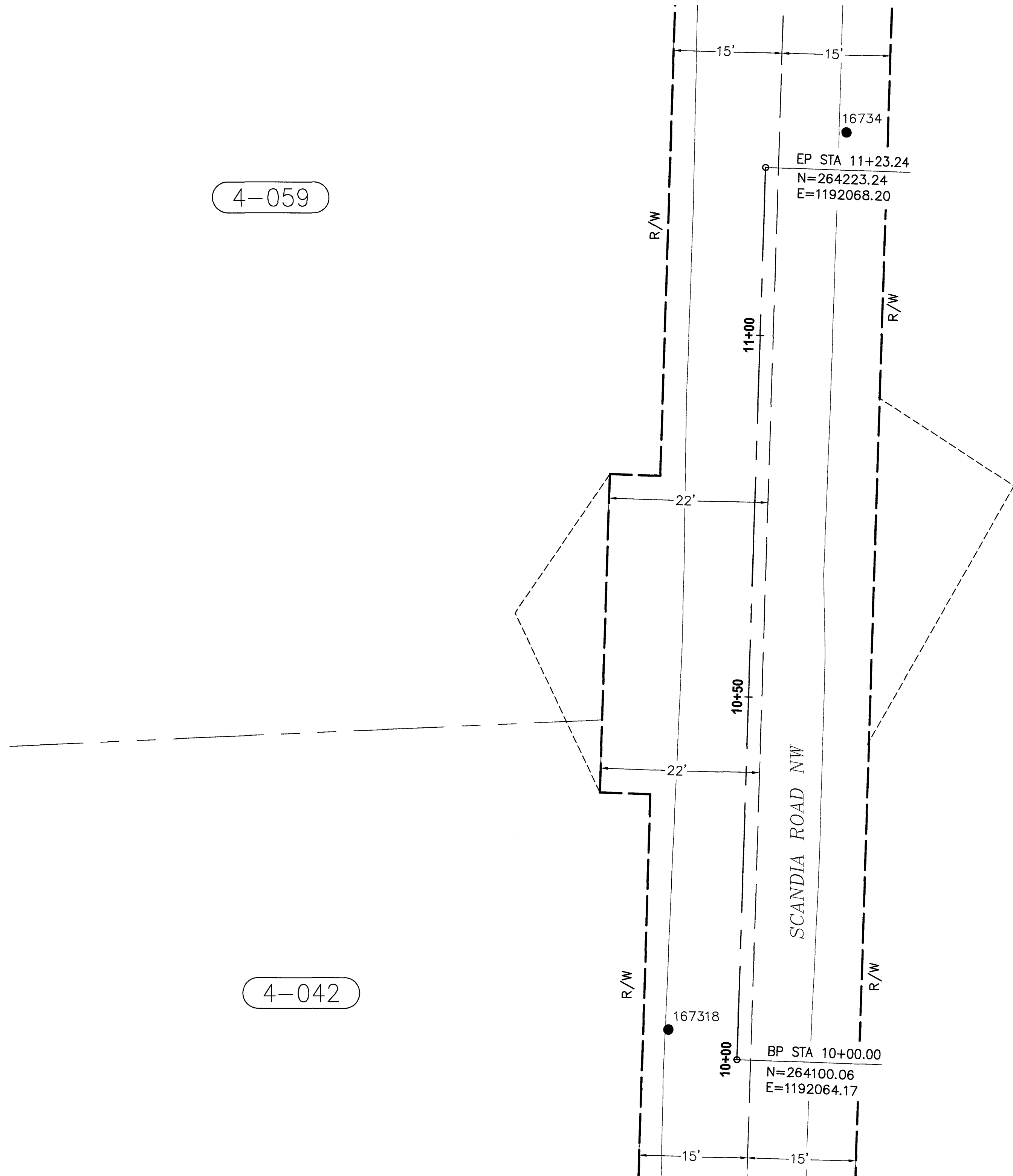
SCANDIA ROAD NW
CULVERT REPLACEMENT
COVER SHEET

DATE
11/2/22
SHEET
1
OF
7

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SYMBOL LEGEND				LINE LEGEND		GENERAL NOTES											
	TBM	SURVEY BENCHMARK			200	MAJOR CONTOUR LINE		GENERAL NOTES 1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, 2022. 2. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MEETING THE CONDITIONS OF ALL PROJECT PERMITS, AND LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. 3. THE CONTRACTOR SHALL LIMIT THE AREA OF CLEARING TO ONLY THAT WHICH IS NECESSARY TO COMPLETE THE REQUIRED WORK. ALL DISTURBED AREAS SHALL BE GRADED TO MATCH THE EXISTING GROUND AND PROMPTLY HYDROSEEDDED. 4. RECONSTRUCT ROADWAY EMBANKMENT SLOPES TO 2:1 MAX. SLOPES SHALL BE COMPACTED AS STRUCTURAL FILL TO A MINIMUM 95% OF MAXIMUM DRY DENSITY. 5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES CONTAINED WITHIN THE KITSAP COUNTY STORMWATER MANAGEMENT MANUAL.									
	FND. HUB & TACK					MINOR CONTOUR LINE											
	FND IP					CULVERT											
	FND LEAD & TACK				>>	CENTER LINE DITCH											
	FND MON (DESCRIBE IN NOTES)					EDGE OF WATER											
	FND NAIL				OHW	ORDINARY HIGH WATER LINE											
	FND REBAR				==>	CENTER LINE STREAM											
	FND SPIKE					BUILDING LINE											
	FND SCRIBED "x" SEE (FB)				X	FENCE											
	SET HUB & TACK				W	UNDERGROUND WATER LINE											
	SET IRON PIPE					SINGLE YELLOW DASH STRIPE											
	SET MON (DESCRIBE IN NOTES)					DOUBLE YELLOW STRIPE											
	SET MAG NAIL					EDGE OF GRAVEL											
	SET SPIKE					EDGE OF PAVING LIMITS											
	DECIDUOUS TREE					WHITE STRIPE/FOG LINE											
	TEST PIT/SOIL SAMPLE				OCM	OVERHEAD COMMUNICATION LINE											
	WETLANDS FLAG#				OHE	OVERHEAD ELECTRIC LINE											
	MAIL BOX				OPH	OVERHEAD PHONE LINE											
	ROAD SIGN				OTV	OVERHEAD TELEVISION LINE											
	FIRE HYDRANT				G	UNDERGROUND GAS LINE											
	WATER METER				UCM	UNDERGROUND COMMUNICATION LINE											
	UTILITY DROP FROM POLE																
	GUY ANCHOR																
	GUY POLE																
	PHONE PEDASTAL																
	CABLE TV PEDASTAL																
	UTILITY POLE																
REVISIONS				BID SET		 		KITSAP COUNTY DEPT. OF PUBLIC WORKS 614 DIVISION STREET MS-26 PORT ORCHARD, WA 98366 TEL:(360) 337-5777 FAX:(360) 337-4867									
No.	BY	DATE	DESCRIPTION	SURVEYED:	SB												
				DESIGNED:	EDS												
				CHECKED:	TGB												
				CRP No.	1630												
								SCANDIA ROAD NW CULVERT DESCRIPTION LEGEND AND NOTES KITSAP COUNTY, WASHINGTON SECTION 27, TOWNSHIP 26, RANGE 1 EAST, W.M.									

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SURVEY NOTES:

BASE MAP PREPARED BY KITSAP COUNTY PUBLIC WORKS SURVEY DEPARTMENT (SEPTEMBER 2021), FROM FIELD SURVEY DATA COLLECTED (JUNE AND JULY 2021). SUPPLEMENTAL DATA COLLECTED (OCTOBER 2021). STAMPED AND SIGNED BASE MAP IS FILED WITHIN THE OFFICE OF COUNTY ROAD ENGINEER.

HORIZONTAL DATUM: NAD83(2011) (2010 EPOCH) WASHINGTON PLANE COORDINATE SYSTEM-(NORTH ZONE) BASED UPON ONE 4-HOUR AND TWO 2-HOUR GPS OBSERVATIONS SUBMITTED TO NATIONAL GEODETIC SURVEY USING THE OPUS SOLUTION SERVICE. HORIZONTAL COORDINATES LISTED ARE US SURVEY FEET, GRID.

VERTICAL DATUM: NAVD88 (GEOID12B) BASED UPON TWO 2-HOUR GPS OBSERVATIONS SUBMITTED TO NATIONAL GEODETIC SURVEY USING THE OPUS SOLUTION SERVICE.

CONTOUR INTERVAL IS ONE-FOOT AND ARE COMPUTER GENERATED FROM GROUND FIELD TOPOGRAPHY GATHERED FOR THIS SURVEY UTILIZING ELECTRONIC DATA COLLECTION.

SUBSURFACE UTILITY LINES WERE MARKED AS PART OF 811 REQUEST. UTILITY SURFACE LINES AND FEATURES WERE LOCATED AND SHOWN ON THE BASE MAP AS ACCURATELY AS POSSIBLE FROM FIELD MARKINGS.

STAMPED AND SIGNED ROAD RIGHT OF WAY SURVEY DOCUMENT FILED WITHIN THE OFFICE OF COUNTY ROAD ENGINEER.

LEGEND

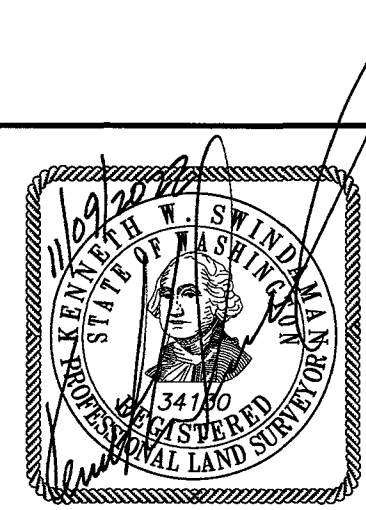
- 1/16 SECTION LINE
- PROPERTY LINE
- RIGHT OF WAY
- TEMPORARY CONSTRUCTION EASEMENT
- CONSTRUCTION CENTERLINE
- CONTROL MONUMENT

CONTROL AND FOUND MONUMENTS

PTNO	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	263491.52	1192066.75	131.42'	CSIP
16731	264412.96	1192062.32	50.05'	CSIP
16734	264228.10	1192079.39	52.64'	CSIP
167318	264104.20	1192054.67	57.93'	CSN

REVISIONS			
No.	BY	DATE	DESCRIPTION

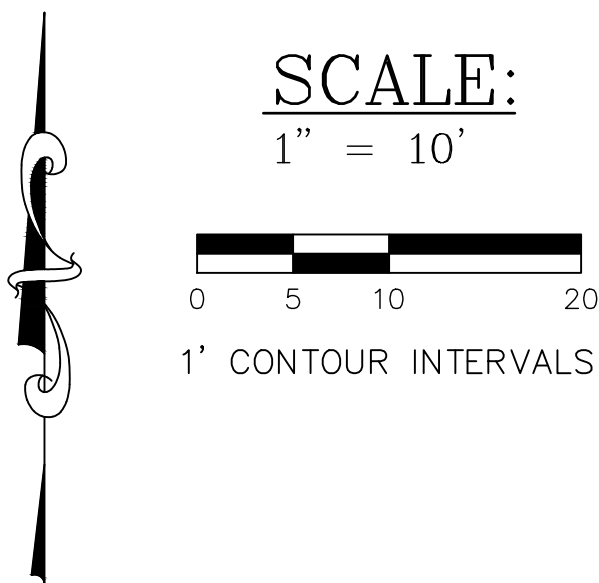
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SURVEYED:	SB
DESIGNED:	EDS
CHECKED:	TGB
CRP No.	1630



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TEL:(360) 337-5777 FAX:(360) 337-4867

SCANDIA ROAD NW CULVERT DESCRIPTION	
SURVEY CONTROL & ALIGNMENT	
KITSAP COUNTY, WASHINGTON SECTION 27, TOWNSHIP 26, RANGE 1 EAST, W.M.	

DATE	11/2/22
SHEET	3
OF	7



TESC & DEMOLITION NOTES

1. MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL FACILITIES TO PROVIDE THE REQUIRED PROTECTION OF DOWNSTREAM WATER QUALITY.
2. EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL NOT BE REMOVED UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED BY KITSAP COUNTY.

CLEARING AND GRUBBING LIMITS

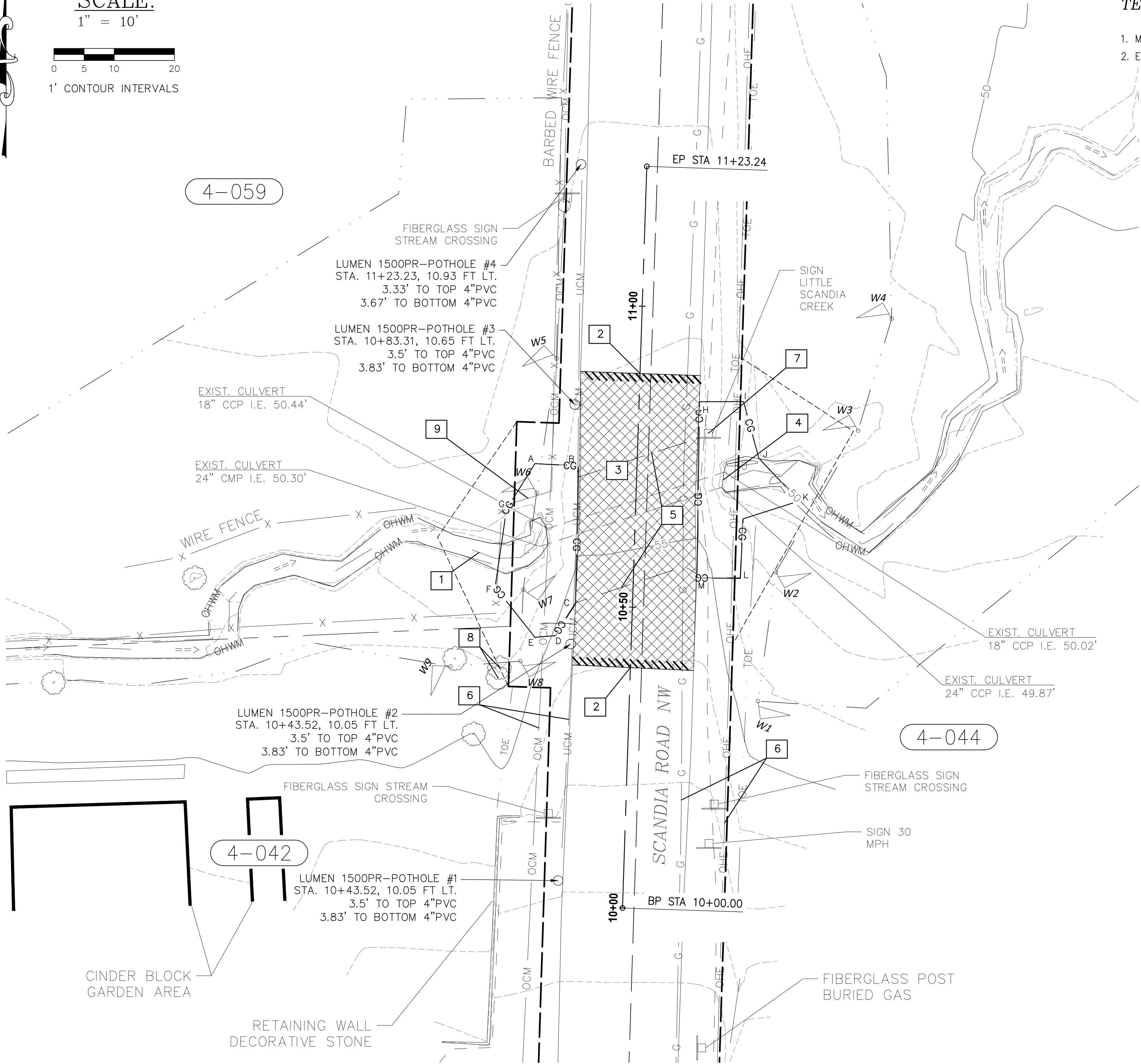
PTNO	STATION	OFFSET
A	10+73.29	16.95' LT
B	10+73.13	9.73' LT
C	10+50.39	9.46' LT
D	10+44.87	12.58' LT
E	10+44.46	16.00' LT
F	10+52.58	22.87' LT
G	10+65.59	21.41' LT
H	10+84.46	10.02' RT
I	10+84.72	17.34' RT
J	10+75.41	20.18' RT
K	10+68.52	27.10' RT
L	10+55.36	17.76' RT
M	10+55.20	10.57' RT

DEMOLITION NOTES:

1. INSTALL TEMPORARY STREAM BYPASS AND DEWATERING SYSTEM
2. SAWCUT EXISTING PAVEMENT STA. 10+40 AND STA. 10+89
3. REMOVE EXISTING PAVEMENT WITHIN THE SAWCUT LINES.
4. REMOVE EXISTING 24 IN. CMP AND 18 IN. CCP CULVERT PIPES.
5. EXCAVATION LIMITS. (SEE DETAILS ON SHEET 7)
6. EXISTING OVERHEAD POWER, TELEPHONE, CABLE, BURIED COMMUNICATION AND GAS (BY OTHERS). THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE TEMPORARY RELOCATION OF OVERHEAD SERVICE LINES AND PERMANENT RELOCATION OF BURIED TELEPHONE AND GAS LINE. (SEE CONTRACT PROVISIONS 1-05.14)
7. REMOVE EXISTING LITTLE SCANDIA CREEK SIGN AND SET ASIDE FOR REINSTALLATION AFTER CONSTRUCTION.
8. REMOVE EXISTING TREES. CUT OFF AT GROUND LEVEL.
STA. 10+37.56, 21.95' LT
STA. 10+39.22, 21.72' LT
9. REMOVE FENCING WITHIN THE PROJECT WORK ZONE.

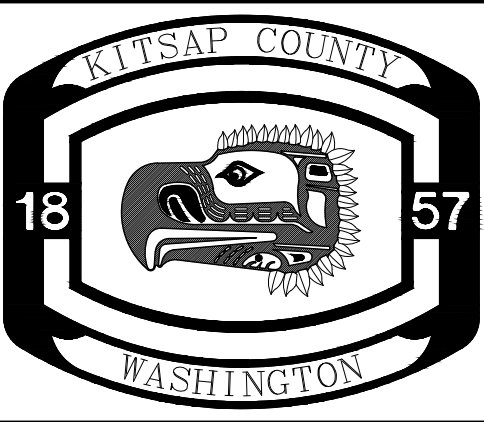
DEMOLITION LEGEND:

	PAVEMENT REMOVAL
	PROPOSED CLEARING LIMITS
	SAWCUT LINE
	EXISTING CULVERT
	TEMPORARY CONSTRUCTION EASEMENT
	ORDINARY HIGH WATER MARK
	EXISTING FENCE
	EXISTING WETLAND BOUNDARY
	OVERHEAD COMMUNICATIONS
	UNDERGROUND COMMUNICATIONS
	BURIED GAS MAIN
	OVERHEAD ELECTRICITY



REVISIONS			
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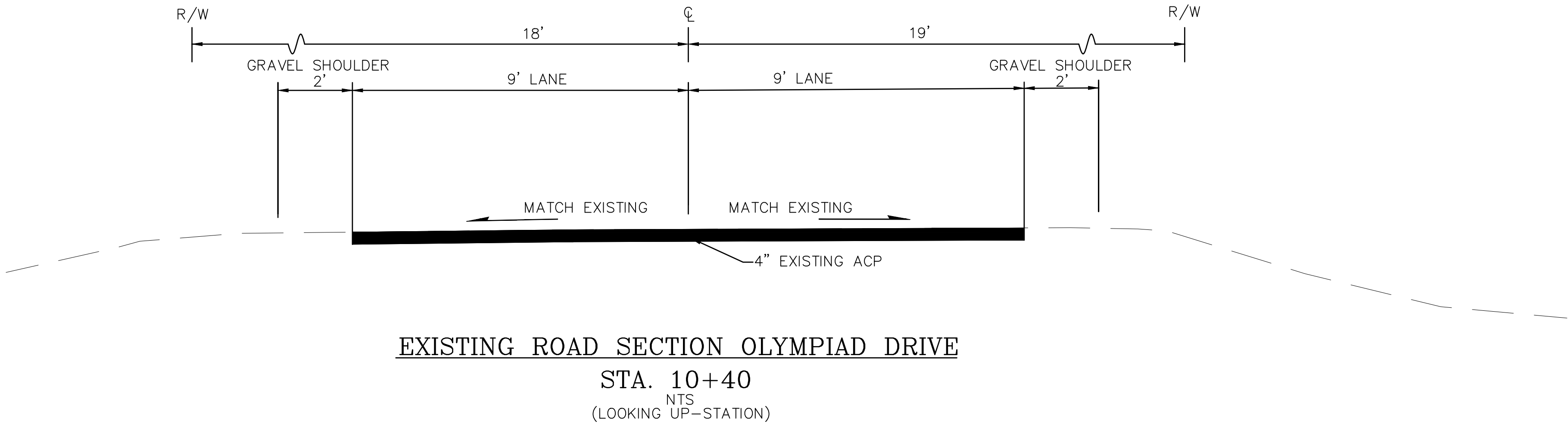
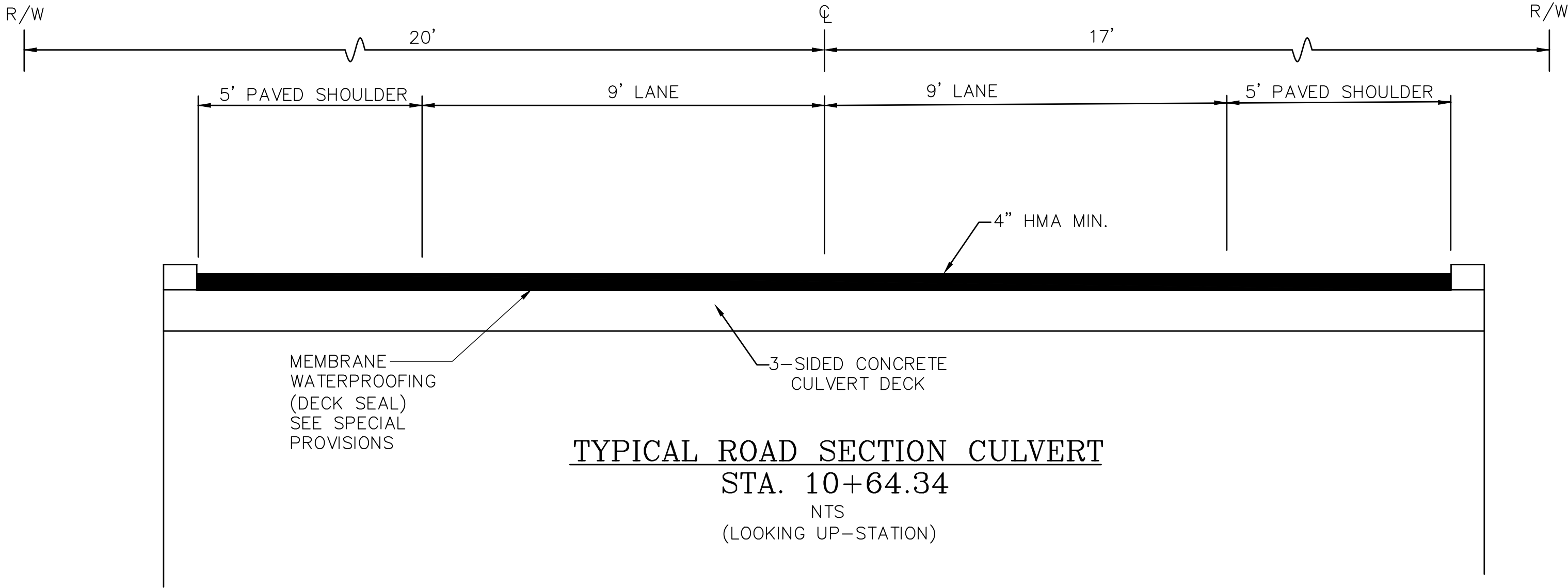
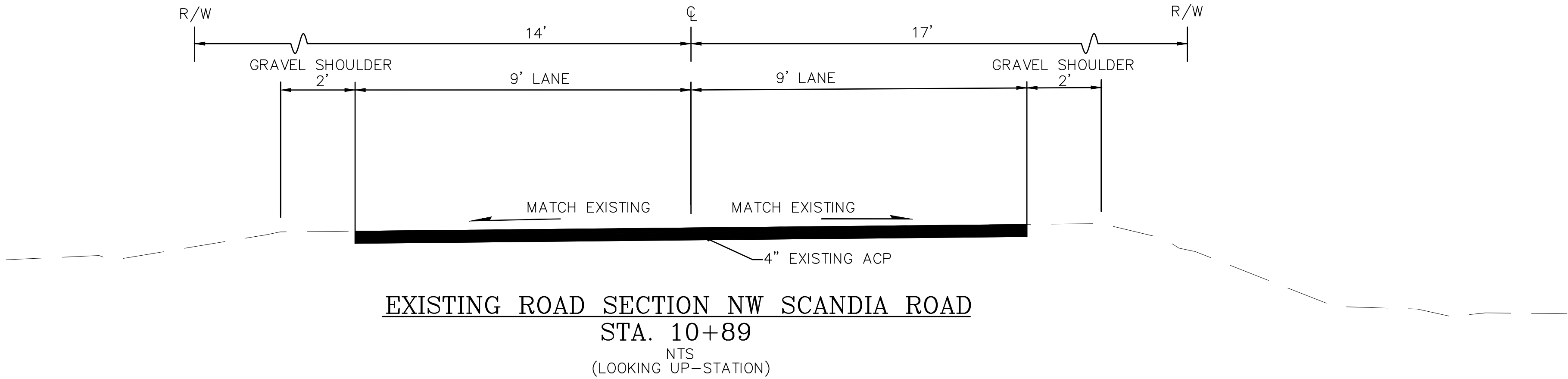
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SCANDIA ROAD NW
CULVERT DESCRIPTION
SITE PREP/DEMOLITION PLAN

KITSAP COUNTY, WASHINGTON
SECTION 27, TOWNSHIP 26, RANGE 1 EAST, W.M.

DATE 11/2/22
SHEET 4 OF 7

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REVISIONS			
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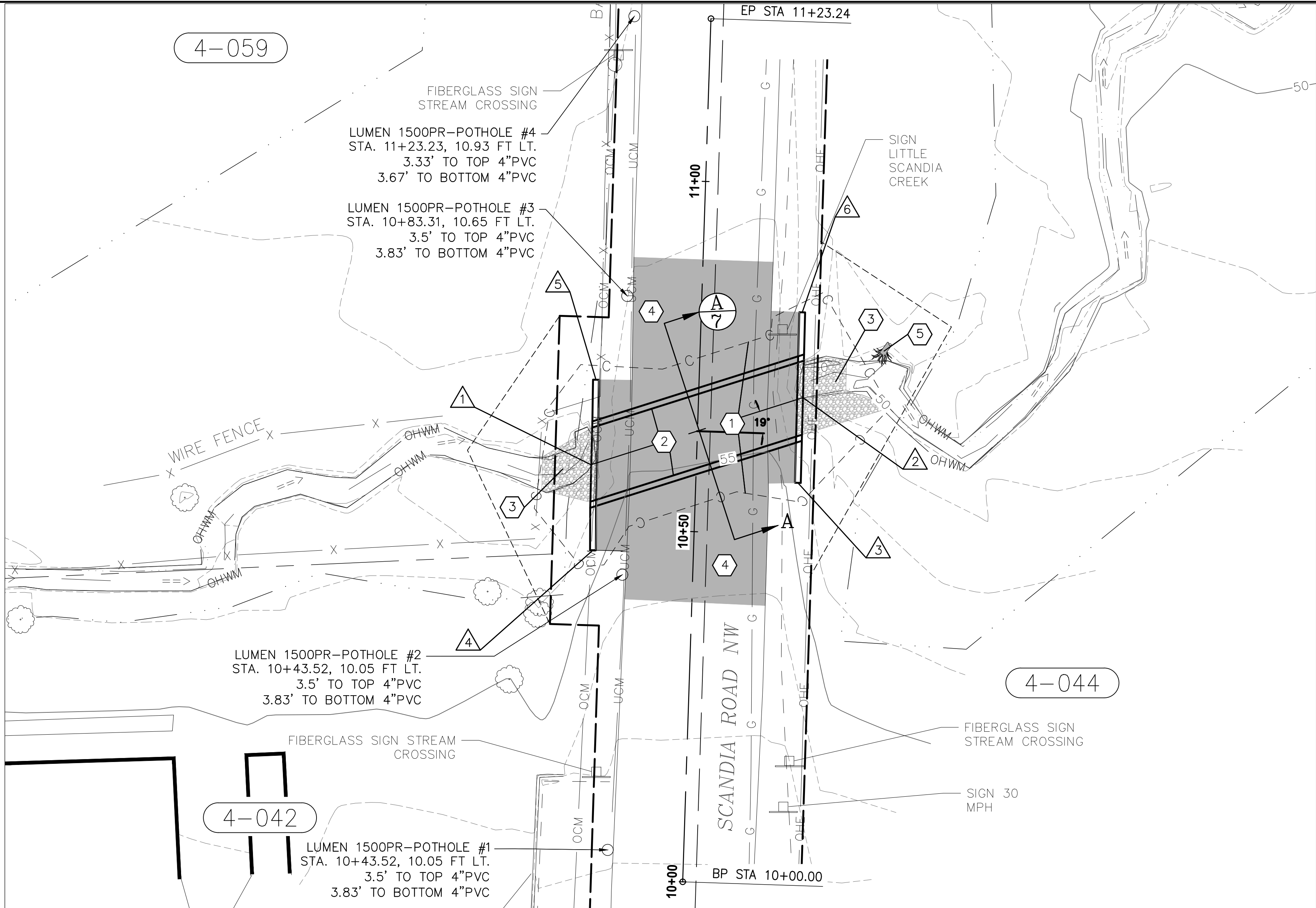


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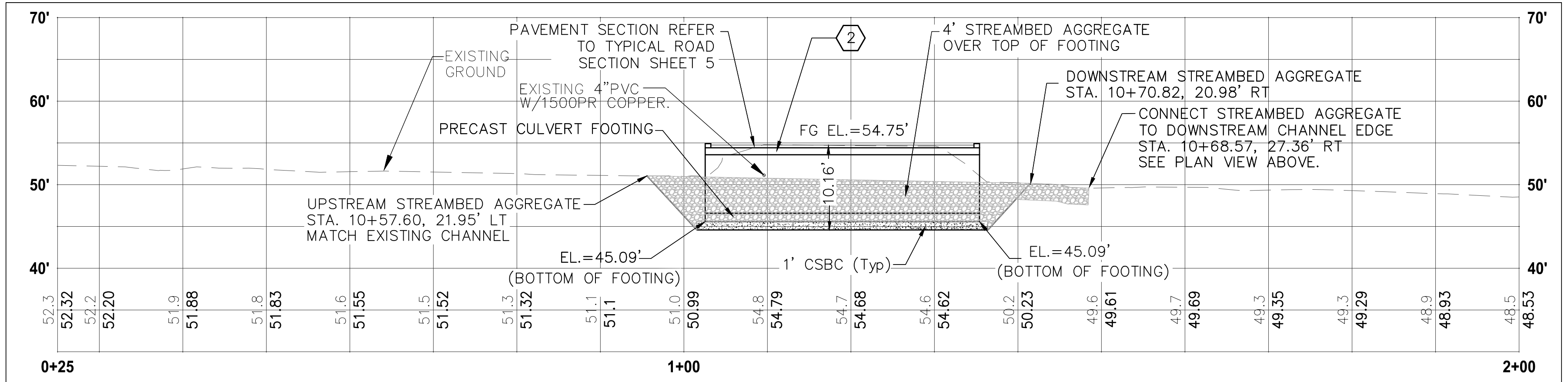
SCANDIA ROAD NW
CULVERT DESCRIPTION
TYPICAL ROADWAY SECTIONS
KITSAP COUNTY, WASHINGTON
SECTION 27, TOWNSHIP 26, RANGE 1 EAST, W.M.

DATE
11/2/22
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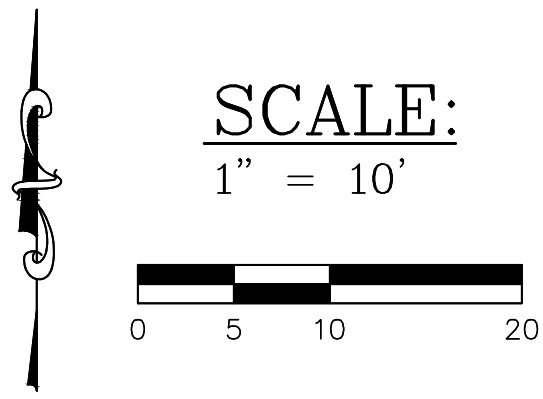
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PLAN SCALE:
1"=10'



PROFILE SCALE:
1"=10'



CONSTRUCTION NOTES:

- 1 EXCAVATION LIMITS (SEE DETAILS SHEET 7)
- 2 INSTALL 31.67 LF OF 10 FT. SPAN, 7 FT. RISE THREE-SIDED PRECAST CONCRETE CULVERT @ S=0.00%. (SEE DETAILS SHEET 7)
- 3 INSTALL STREAMBED AGGREGATE. (SEE DETAILS SHEET 7)
- 4 REPAVE AS SHOWN FROM STA. 10+40 AND STA. 10+89
- 5 INSTALL LARGE WOODY DEBRIS STA. 10+76.49, 26.19' RT. SEE DETAIL SHEET 7.

CULVERT DATA POINTS

DESCRIPTION	POINT #	STATION	OFFSET	NORTHING	EASTING
INLET	1	10+59.08	14.98' LT	264159.60	1192051.13
OUTLET	2	10+69.62	14.89' RT	264169.16	1192081.33
SE WINGWALL	3	10+57.44	14.56' RT	264157.00	1192080.60
SW WINGWALL	4	10+46.88	14.34' LT	264147.39	1192051.37
NW WINGWALL	5	10+71.21	14.71' LT	264171.72	1192051.79
NE WINGWALL	6	10+81.78	14.39' RT	264181.33	1192081.33

CONSTRUCTION LEGEND:

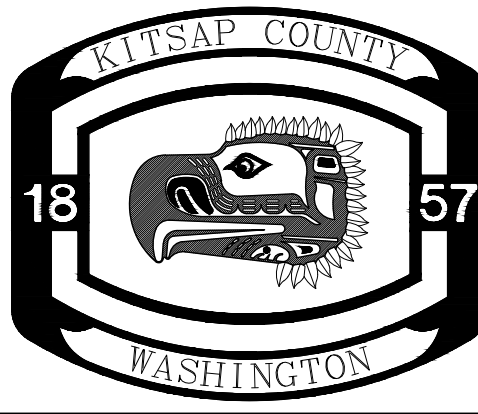
- STREAMBED AGGREGATE
- ROADWAY RECONSTRUCTION
- ORDINARY HIGH WATER MARK
- EXISTING WETLAND
- TEMPORARY CONSTRUCTION EASEMENT
- EXCAVATION LIMITS
- OCM - OVERHEAD COMMUNICATIONS
- UCM - UNDERGROUND COMMUNICATIONS
- G - BURIED GAS MAIN
- OHE - OVERHEAD ELECTRICITY
- LARGE WOODY DEBRIS

REVISIONS

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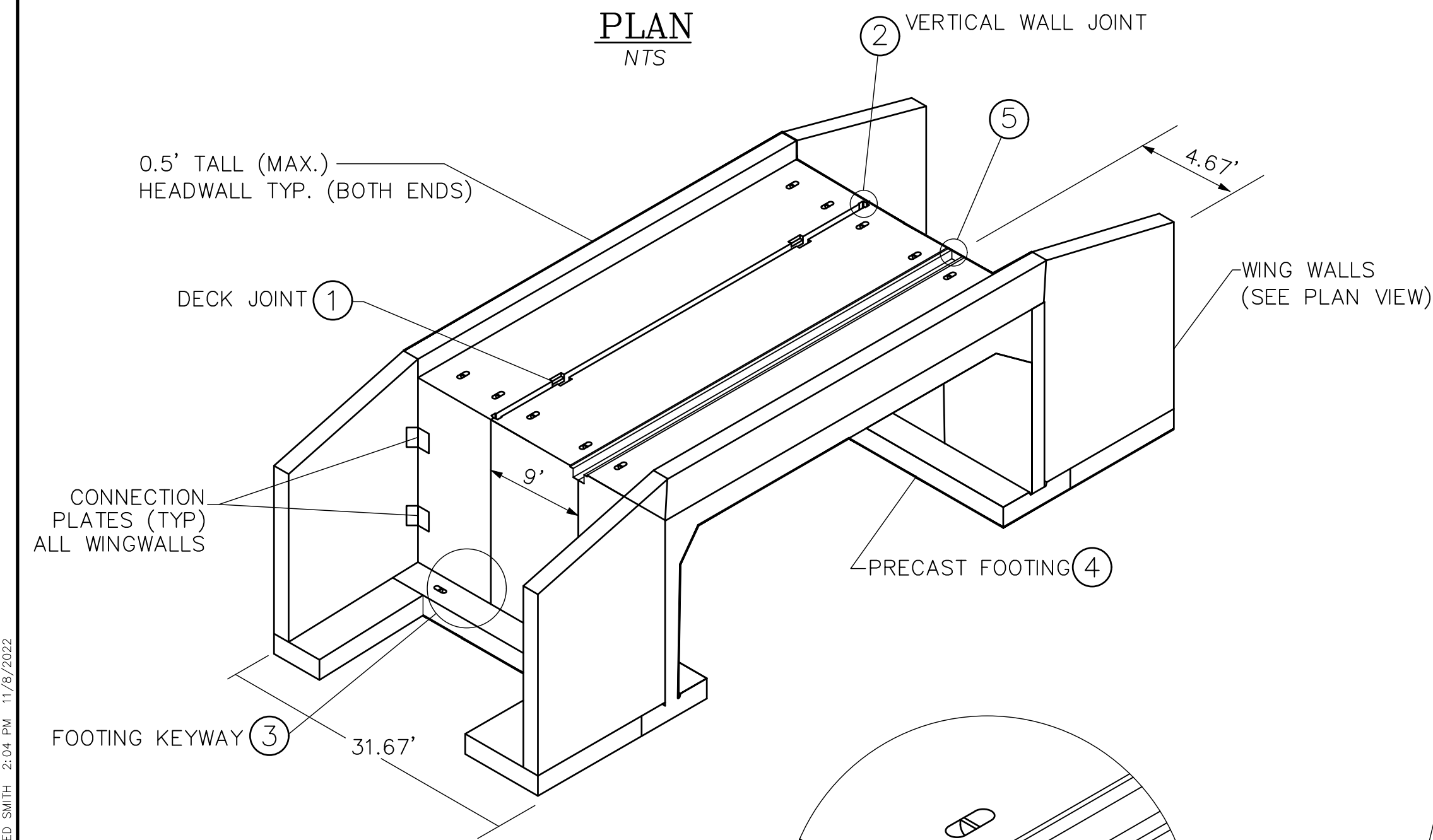
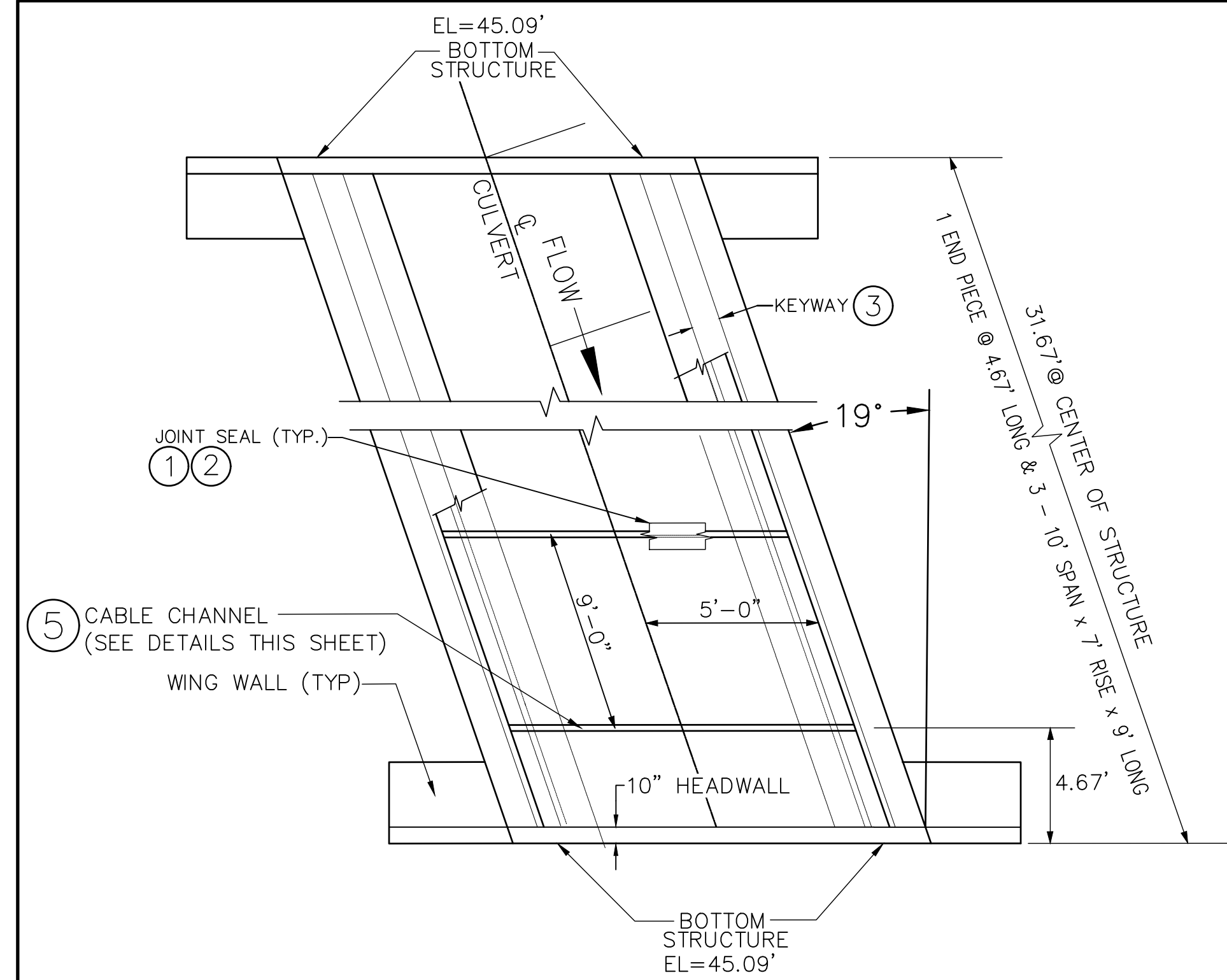
**SCANDIA ROAD NW
CULVERT DESCRIPTION
PLAN AND PROFILE**

KITSAP COUNTY, WASHINGTON
SECTION 27, TOWNSHIP 26, RANGE 1 EAST, W.M.

DATE
11/2/22

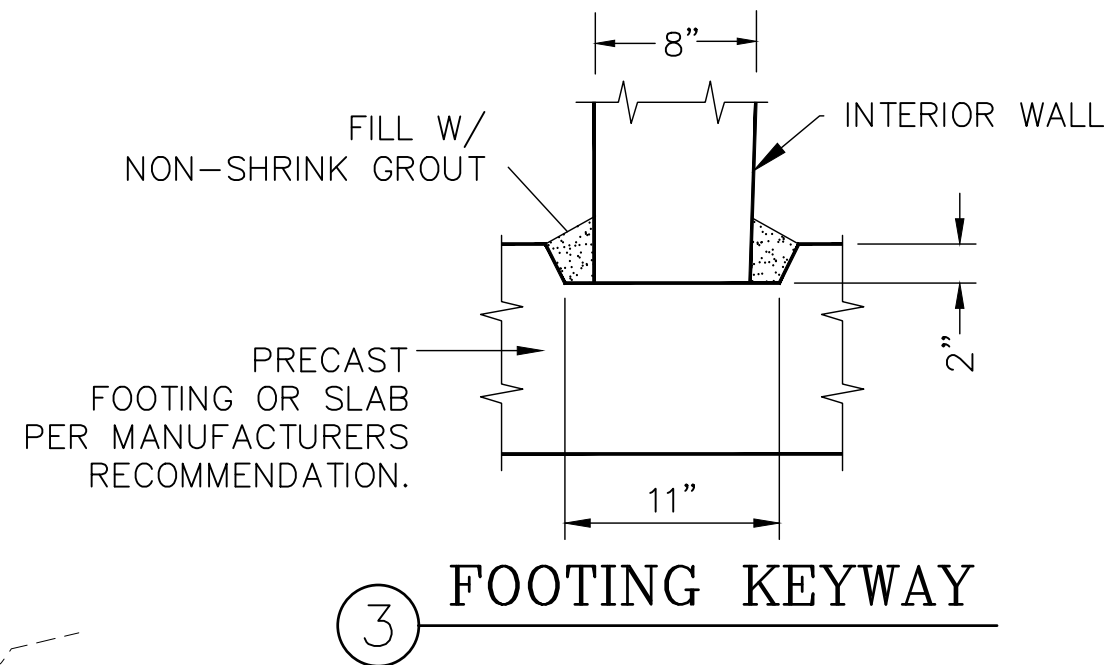
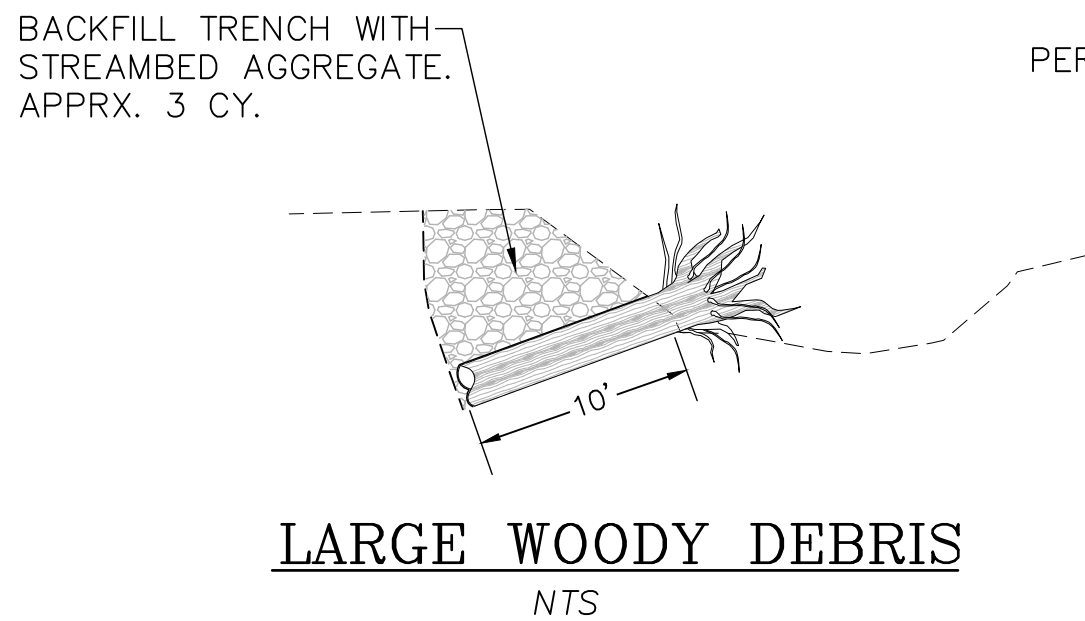
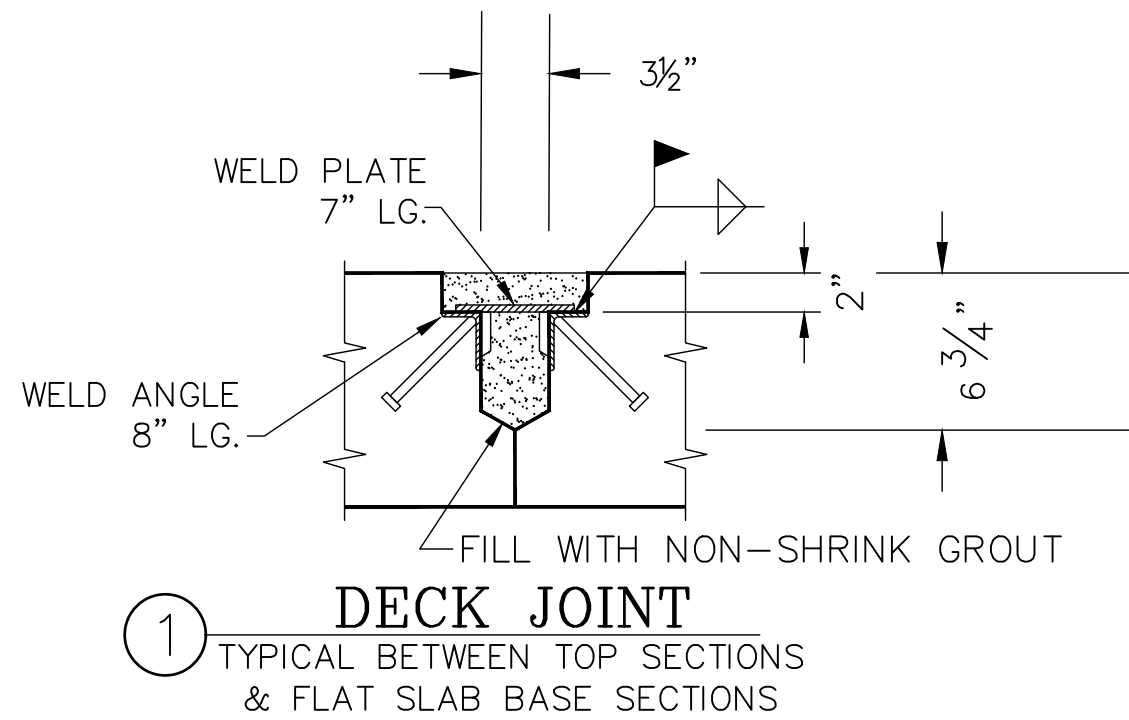
SHEET
6
OF
7

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STRUCTURAL NOTES:

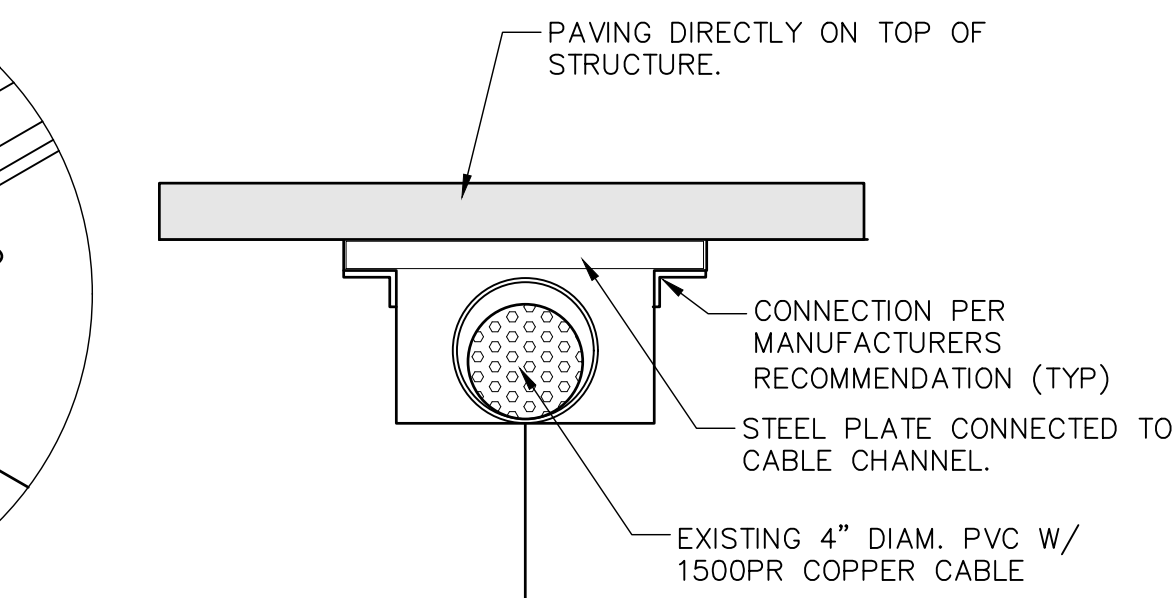
- DESIGN LOADING: HL-93
- CONCRETE FOR PRECAST UNITS SHALL BE CLASS 4000.
- REFER TO GEOTECHNICAL REPORT INCLUDED AS AN ATTACHMENT TO THE CONTRACT PROVISIONS.



NOTE:

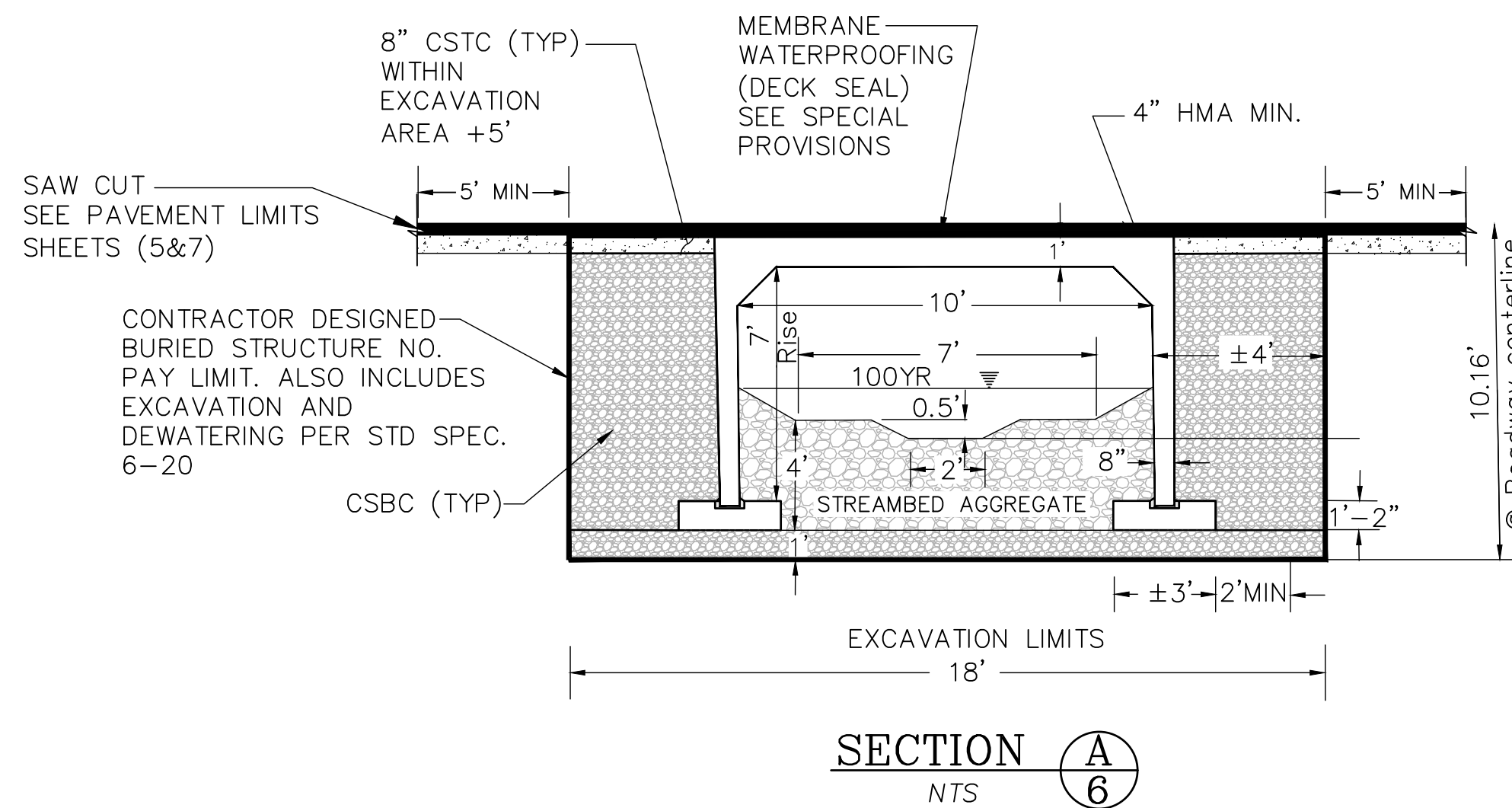
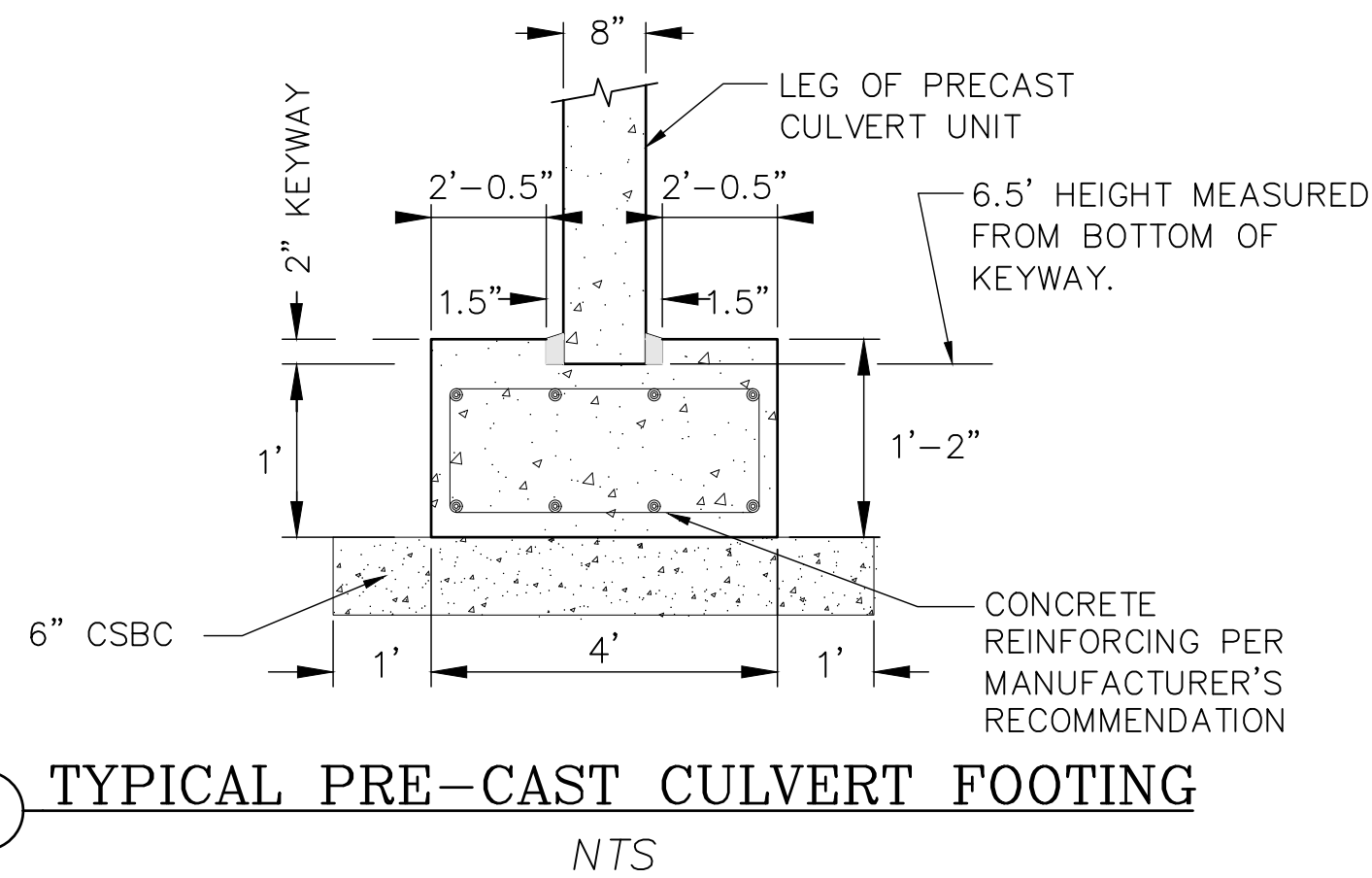
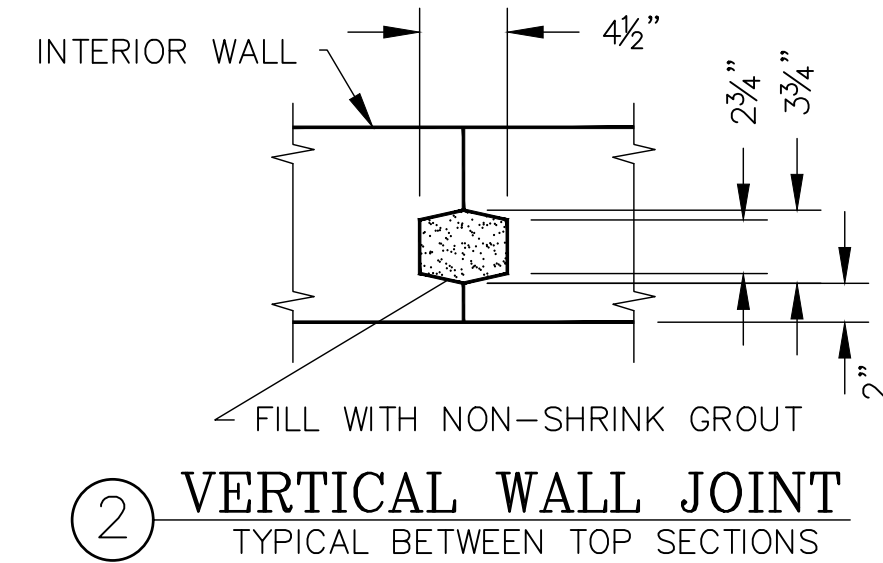
APPROXIMATE QUANTITIES FOR CONTRACTOR DESIGNED BURIED STRUCTURE.

ITEM DESCRIPTION	QUANTITY
STRUCTURE EX CLASS A INCL HAUL	275 CY
GRAVEL BACKFILL (CSBC)	70 CY
CRUSHED SURFACING BASE COURSE	28 TONS



NOTES

- STANDARD DETAILS ON THIS SHEET ARE BASED ON OLDCASTLE PRECAST STANDARD DETAILS OR APPROVED EQUAL.
- SIZE AND PLACEMENT OF CONNECTION PLATES FOR WINGWALLS SHALL BE SHOWN IN THE MANUFACTURERS SHOP DRAWINGS.
- CONCRETE STRUCTURE SHALL BE IN ACCORDANCE WITH WSDOT STD SPEC. 6-20.

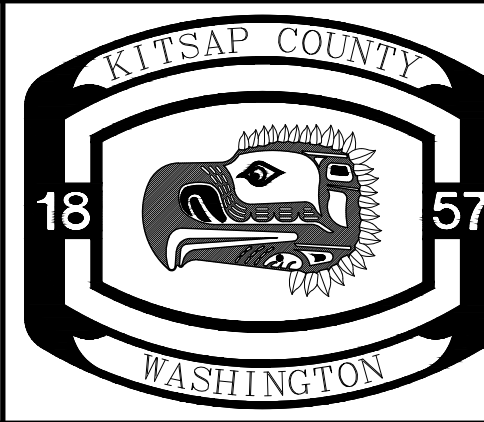


STREAMBED AGGREGATE SIZING

STREAMBED AGGREGATE SHALL CONSIST OF: STREAMBED SEDIMENT

REFER TO WSDOT STANDARD SPEC. 9-03.11 FOR SIZE AND DISTRIBUTION OF STREAMBED AGGREGATE MATERIAL.

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SCANDIA ROAD NW
CULVERT DESCRIPTION
CULVERT DETAILS
KITSAP COUNTY, WASHINGTON
SECTION 27, TOWNSHIP 26, RANGE 1 EAST, W.M.

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SHEET
7
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7