

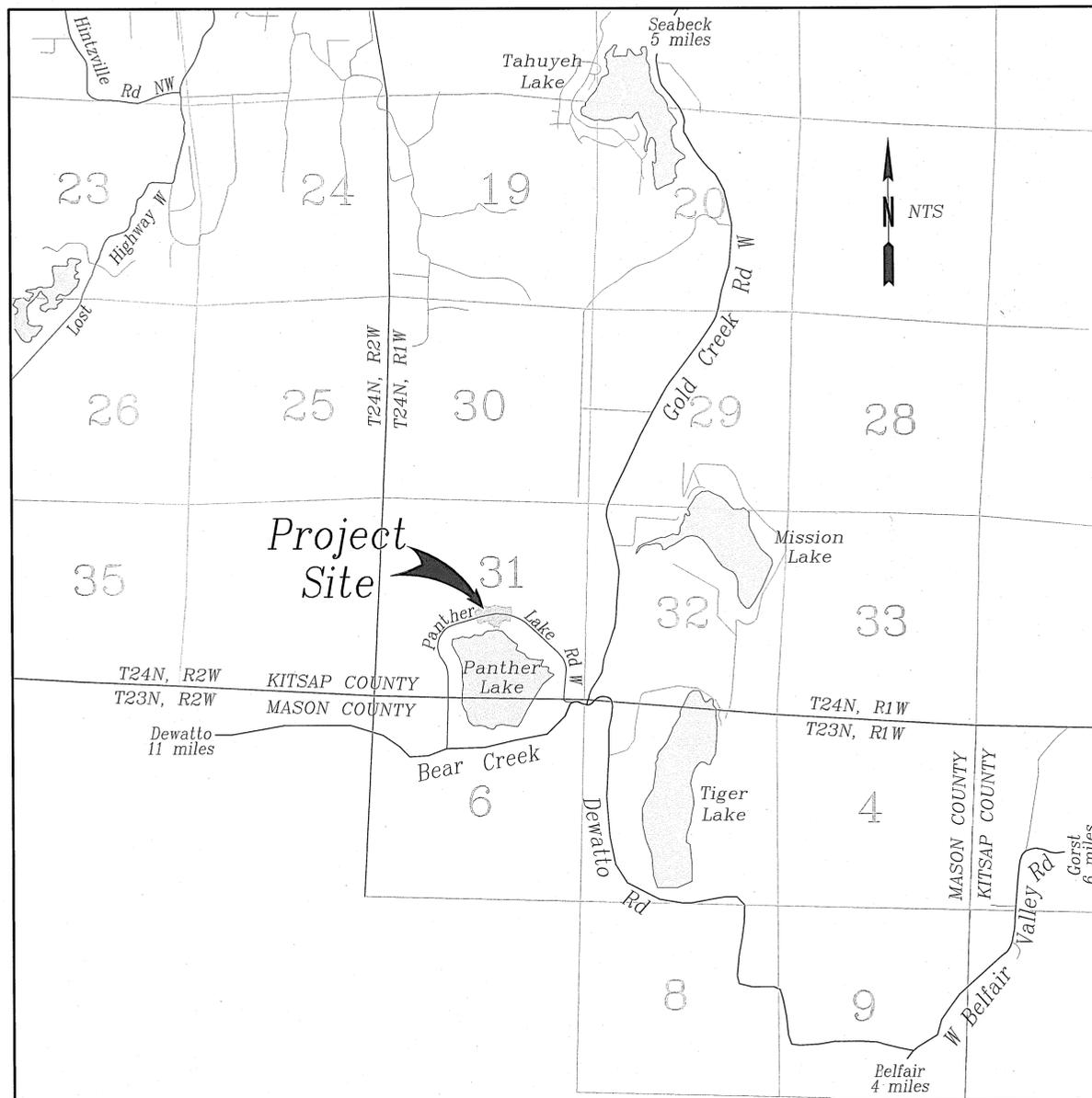


COUNTY ROAD PROJECT No. 3671 PANTHER LAKE ROAD CULVERT REPLACEMENT

SECTION 31, TOWNSHIP 24 NORTH, RANGE 1 WEST, W.M.

SHEET INDEX

- SHEET 1 - COVER SHEET
- SHEET 2 - PLAN
- SHEET 3 - PROFILE AND DETAILS
- SHEET 4 - ROW PLAN



VICINITY MAP

SYMBOL LEGEND

	SECTION LINE
	PROPERTY LINE
	EXISTING RIGHT-OF-WAY MARGIN LINE
	EXISTING RIGHT-OF-WAY CENTERLINE
	CONSTRUCTION CENTERLINE
	TEMPORARY CONSTRUCTION EASEMENT
	EDGE OF PAVEMENT AND PAVED SURFACE
	BACK OF GRAVEL SHOULDER & EDGE OF GRAVEL ROAD OR DRIVEWAY
	OVERHEAD UTILITY LINE
	BURIED UTILITY LINE
	DITCH LINE
	EXISTING INDEX CONTOUR LINE
	EXISTING INTERMEDIATE CONTOUR LINE
	CREEK OR STREAM BED
	SIGN POST (AS NOTED)
	UTILITY POLE
	UTILITY POLE WITH ANCHOR
	TELEPHONE BOX
	MAILBOX
	EXISTING CULVERT
	TREES
	STUMP OR ROOTWAD
	NEW CULVERT
	STREAMBED AGGREGATE
	ORDINARY HIGH WATER (OHW)
	EXISTING THREAD OF STREAM

BOARD OF COMMISSIONERS:

EDWARD E. WOLFE
CHARLOTTE GARRIDO
ROBERT GELDER

COUNTY ROAD ENGINEER

JONATHON L. BRAND, P.E.



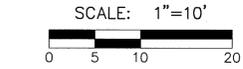
KITSAP COUNTY
DEPT. OF PUBLIC WORKS
614 DIVISION STREET MS-26
PORT ORCHARD, WA 98366
TEL:(360) 337-5777 FAX:(360) 337-4867

COUNTY ROAD PROJECT No. 3671
PANTHER LAKE ROAD
CULVERT REPLACEMENT
SECTION 31, TOWNSHIP 24 NORTH, RANGE 1 WEST, W.M.

DATE
9/26/16
SHEET
1
OF
4

3-015
 WEBBER
 CHRISTOPHERSON
 ROS 39/150
 TRACT 3

WASHINGTON STATE PLANE COORDINATE SYSTEM
 NORTH ZONE - NAD83 (1991)



1 FOOT CONTOUR INTERVALS

VERTICAL DATUM: NGVD 29
 NOAA POINT "Y-254 RESET 1984"
 PID SY1583
 SILVERDALE WAY AT ENTRY TO
 SILVERDALE MEDICAL CENTER
 ELEVATION 44.098 FEET

CONSTRUCTION NOTES

- 1 REMOVE EXISTING 36 IN. CMP CULVERT PIPE AND CONCRETE HEADWALL.
- 2 INSTALL 48 LF OF 12 FT. SPAN, 6 FT. RISE THREE-SIDED PRECAST CONCRETE CULVERT AND WINGWALLS. SEE DETAILS SHEET 3
- 3 STRUCTURE EXCAVATION PAY LIMIT. (SEE SECTION A-A SHEET 3)
- 4 INSTALL STREAMBED AGGREGATE AS SHOWN. DOWNSTREAM AREA SHALL BE PLACED BY HAND METHODS SEE SHEET 3 FOR PROFILE AND STREAMBED AGGREGATE SIZING.
- 5 PLACE EROSION CONTROL BLANKET ON NEWLY CONSTRUCTED SLOPES.
- 6 INSTALL 15 LF OF 2" DIA. SCH.40 PVC SPLIT DUCT CONDUIT TO HOUSE EXISTING BURIED 100PR TELEPHONE LINE. (BY OTHERS). CONTRACTOR SHALL COORDINATE WITH CENTURYLINK.
- 7 TEMPORARILY RELOCATE OVERHEAD POWER, TELEPHONE AND CABLE FOR CULVERT PLACEMENT (BY OTHERS). CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS.

DATA POINTS

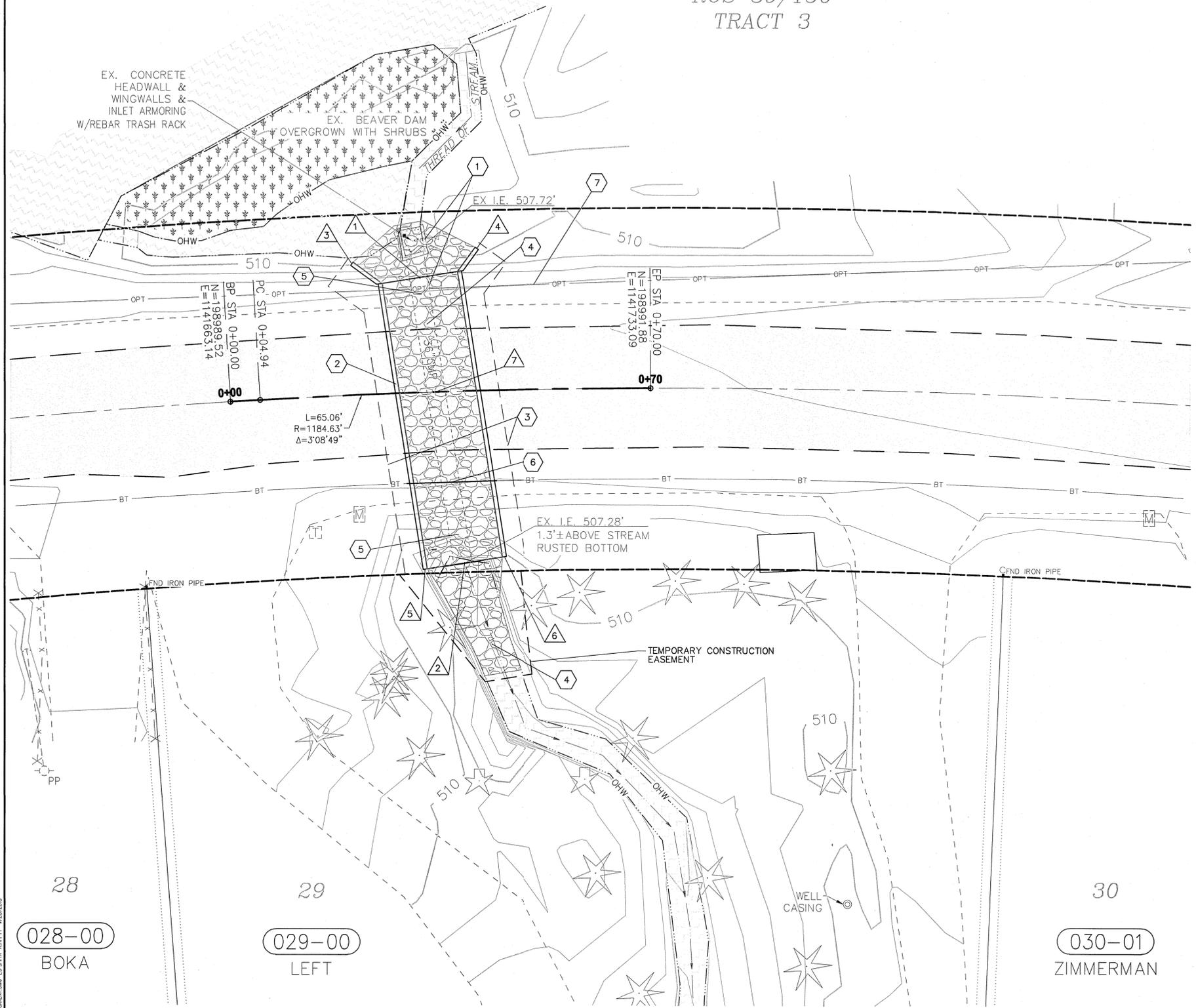
	POINT #	STATION	OFFSET	CULVERT	
				NORTHING	EASTING
INLET	1	0+32.21	19.12' LT	199010.23	1141694.61
OUTLET	2	0+38.13	28.51' RT	198962.82	1141702.12
	3	0+21.19	21.85' LT	199012.49	1141683.31
	4	0+41.65	23.65' LT	199015.07	1141704.08
	5	0+31.35	29.33' RT	198961.77	1141695.53
	6	0+44.91	27.66' RT	198963.86	1141708.71
CONST. CL	7	0+34.19	0.00'	198991.19	1141697.29

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, English, latest edition.
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 hydroseeded.
4. No trees shall be removed without prior approval of the engineer. Limbing of low hanging vegetation will be permitted for the installation of the new concrete structure and placement of streambed gravel.
5. Reconstruct roadway embankment slopes to match typical road section (sheet 3). Slopes shall be compacted as structural fill to a minimum 95% of maximum dry density.
6. All erosion and sedimentation control measures shall be in accordance with best management practices contained within the Kitsap County Stormwater Management Manual.

DEWATERING AND TEMPORARY STREAM DIVERSION

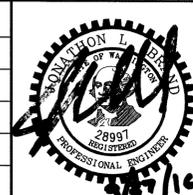
1. The Contractor shall submit a Temporary Stream Diversion and dewatering plan to the Engineer per Special Provisions.



CONTROL POINTS

REVISIONS

SURVEYED: RAH
 DESIGNED: ACM
 DRAWN: ACM
 CHECKED: RED
 CRP No. 3671
 DATE: 9/26/16

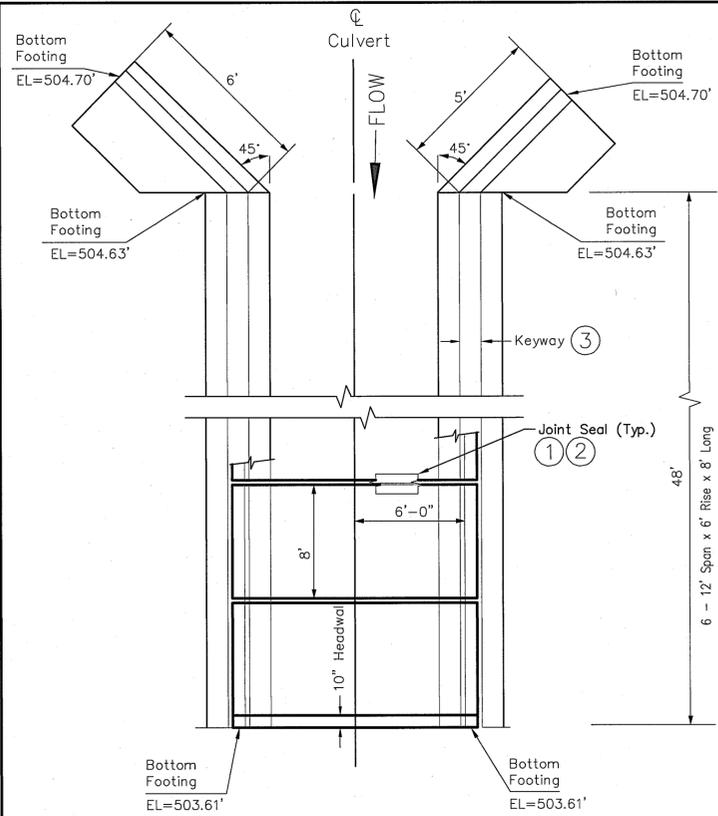


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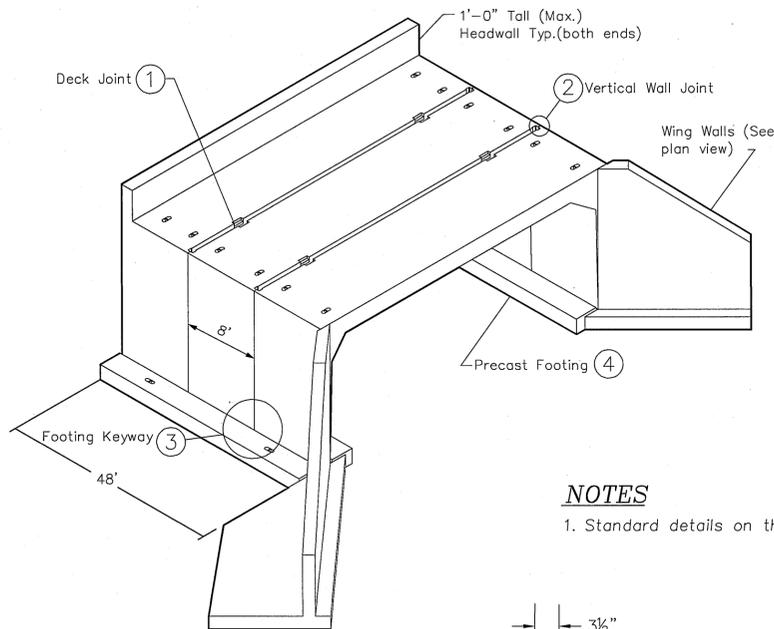
PANTHER LAKE ROAD
**CULVERT REPLACEMENT
 PLAN**
 KITSAP COUNTY, WASHINGTON
 SECTION 31, TOWNSHIP 24 NORTH, RANGE 1 WEST, W.M.

SHEET
2
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 4

C:\PROJECTS\PANTHER CULVERT\2016\WATER\028-00-00\CONSTR.DWG EB 8/24/16 9/26/2016



PLAN

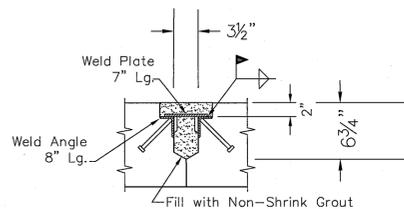


NOTES

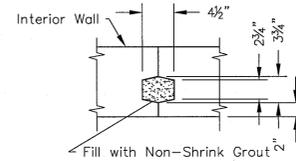
1. Standard details on this sheet are based on Oldcastle Precast standard details or approved equal.

STRUCTURAL NOTES:

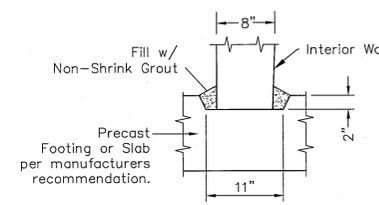
1. Design Loading: HL-93
2. Assumed allowable soil bearing: 2000 psf.
3. Concrete for precast units shall be Class 4000.
4. See Special Provisions.



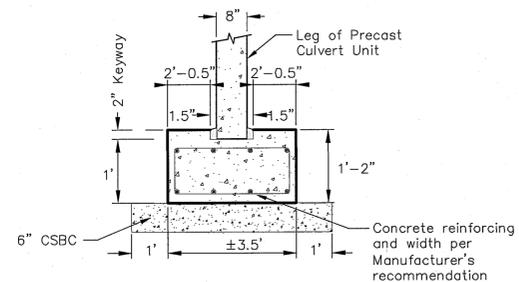
1 DECK JOINT
Typical Between Top Sections & Flat Slab Base Sections



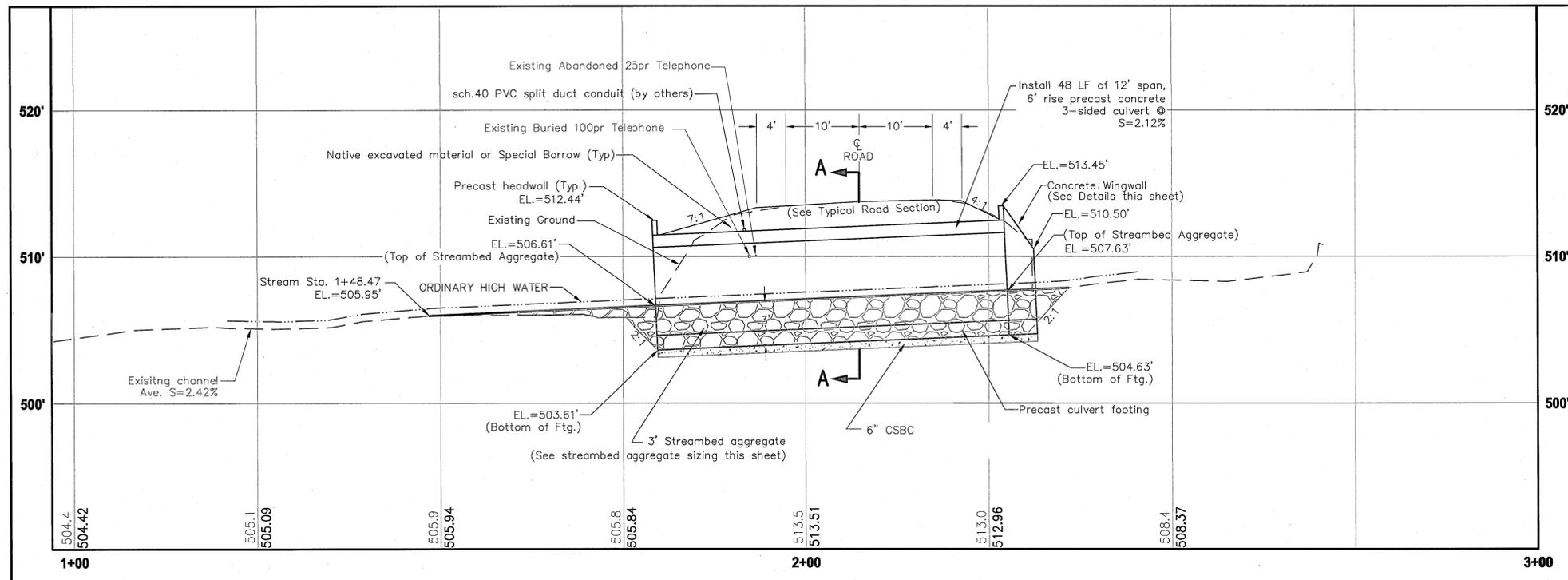
2 VERTICAL WALL JOINT
Typical Between Top Sections



3 FOOTING KEYWAY

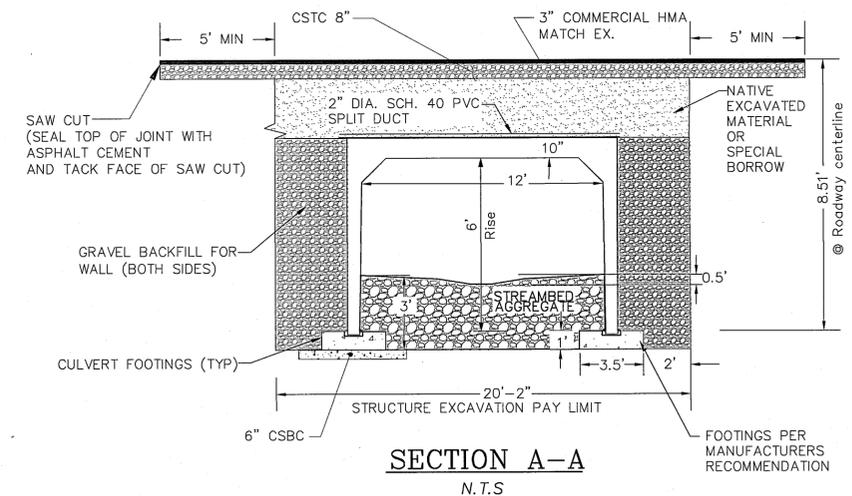


4 TYPICAL PRE-CAST CULVERT FOOTING
N.T.S.



PROFILE

SCALE: 1"=10' HORIZ.
SCALE: 1"=5' VERT.



SECTION A-A
N.T.S.

STREAMBED AGGREGATE SIZING

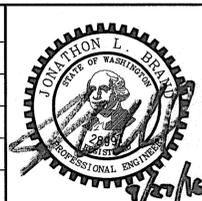
STREAMBED AGGREGATE SHALL CONSIST OF:
2 PARTS STREAMBED COBBLE (6 INCH DISTRIBUTION)
8 PARTS STREAMBED SEDIMENT

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

CONTROL POINTS			
No.	BY	DATE	DESCRIPTION

REVISIONS			
No.	BY	DATE	DESCRIPTION

SURVEYED: RAH
DESIGNED: ACM
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3
OF
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