

## **CALL FOR SEALED BIDS AND PROPOSALS**

### **Wren Loop Road and White Road Culvert Replacement Project Precast Concrete Box Culverts**

Sealed bids will be received only at the office of the Board of County Commissioners of Cowlitz County, Washington, Attention: Clerk of the Board, County Administration Building, 207 Fourth Avenue North, Kelso, Washington 98626, prior to **11:00 o'clock a.m.**, on **Tuesday, June 11, 2019**, at which time all bids received will be publicly opened and read in the chambers of the Board for furnishing precast concrete box culverts to Cowlitz County. Bids received after the time fixed for receiving bids will not be considered.

All bids must be submitted upon the attached Proposal forms. The outside of the envelope must have the following information:

- 1) Mailing Address: Board of County Commissioners  
ATTN: Clerk of the Board  
207 Fourth Avenue North  
Kelso, WA 98626
- 2) Bid Description: Precast Concrete Box Culverts
- 3) Date of Bid Opening: Tuesday, June 11, 2019 @ 11:00 a.m.

County offices are not open for mail or other deliveries on weekends, County holidays, or inclement weather closures. The County assumes no responsibility either for delays in USPS mail or County interoffice mail services, or for bids delivered to County offices or personnel other than to the specified office and personnel. Bids received after the date and time stated in this call for bids will not be accepted and will be returned unopened to Bidder. There will be no exceptions or waivers of this requirement.

Firm prices are solicited for precast concrete box culverts listed below. Cowlitz County will accept no additional charges including, but not limited to freight, fuel surcharges and other charges. Purchases will be made for the precast concrete box culverts described in the bid specifications.

Payment for purchases will be made according to State Statute, in the month following delivery of materials, providing a properly detailed invoice has been furnished.

It is the sole responsibility of the Bidder to obtain Addenda, if any. Addenda information will be available on Cowlitz County Department of Public Works internet website. Cowlitz County accepts no responsibility or liability and will provide no accommodation to bidders who fail to check for addenda and thereby submit inadequate or incomplete responses.

All documents received in response to this invitation to bid will become a matter of public record and subject to the Washington public disclosure act under chapter 42.56 RCW.

The Board reserves the right to reject any and all bids, to waive informalities in the bids, and to accept the bid of the lowest responsive, responsible bidder as it best serves the interests of the County.

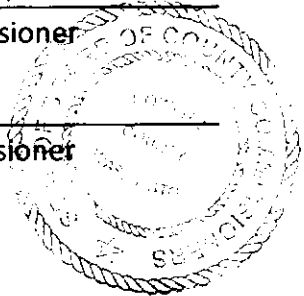
Dated this 21<sup>st</sup> day of May, 2019.

BOARD OF COUNTY COMMISSIONERS  
OF COWLITZ COUNTY, WASHINGTON

  
\_\_\_\_\_  
Joe Gardner, Chairman

*absent - excused*  
\_\_\_\_\_  
Dennis P. Weber, Commissioner

*Arne Mortensen*  
\_\_\_\_\_  
Arne Mortensen, Commissioner



ATTEST:

  
\_\_\_\_\_  
Tiffany Ostrem, Clerk of the Board

## BID PROPOSAL

The undersigned agrees to furnish the following materials in accordance with the attached specifications, with no deviations except as noted.

Bid Submitted By: \_\_\_\_\_  
(Company Name)

Signature: \_\_\_\_\_ Title: \_\_\_\_\_

Name Printed: \_\_\_\_\_ Date: \_\_\_\_\_

Address of Bidder: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

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### SPECIFICATIONS AND PROVISIONS

1. All materials shall comply with the Standard Specifications for Road, Bridge and Municipal Construction, 2018 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereinafter "Standard Specifications").
2. Precast Concrete Box Culverts. All items purchased hereunder shall comply with the following specifications:

**BID ITEM: PRECAST CONCRETE BOX CULVERT, 18-FT SPAN**

**BID ITEM: PRECAST CONCRETE BOX CULVERT, 14-FT SPAN**

These bid items shall be accomplished in accordance with the Plans and Standard Specification Section 7-02, except as modified below.

**7-02.3(6) Precast Reinforced Concrete Three Sided Structures, Box Culverts and Split Box Culverts**  
Section 7-02.3(6) is supplemented with the following:

(\*\*\*\*\*)

Precast reinforced concrete box culverts may alternatively be constructed as precast reinforced concrete split box culverts.

**7-02.3(6)A1 Design Criteria**

Section 7-02.3(6)A1 is supplemented with the following:

(\*\*\*\*\*)

Precast reinforced concrete box culverts shall also be designed to accommodate overload vehicles. This includes a loading of three axles spaced 4 feet and 6 feet (total 10 feet from first to third axle), with axle loads of 10.75 tons, 10.75 tons and 11 tons.

**7-02.3(6)A2 Submittals**

Section 7-02.3(6)A2 is supplemented with the following:

(\*\*\*\*\*)

The vendor shall submit all shop drawings within 10 calendar days of the award of the contract.

**7-02.3(6)A3 Casting**

Delete Section 7-02.3(6)A3 and replace with the following:

(\*\*\*\*\*)

**7-02.3(6)A3 Casting**

Concrete shall conform to Section 6-02.3(28)B, with a 28-day compressive strength of 5,000 psi. Air content shall be a minimum of 4.5 percent and a maximum of 7.5 percent for all concrete.

**7-02.4 Measurement**

Section 7-02.4 is supplemented with the following:

(\*\*\*\*\*)

Precast Concrete Box Culvert, \_\_\_-Ft Span will be measured by the linear foot.

**7-02.5 Payment**

Section 7-02.5 is supplemented with the following:

(\*\*\*\*\*)

“Precast Concrete Box Culvert, \_\_\_-Ft Span”, per linear foot.

The unit contract price for “Precast Concrete Box Culvert, \_\_\_-Ft Span” shall be full pay for constructing the precast items as specified in the bid specifications and shown on the Plans, including fabrication, finishing, loading and shipping to the project location. Offloading of precast concrete box culvert segments at the project location shall be performed by a contractor under a separate contract with the County.

- 3. Vendor shall bill the County as products are delivered. The County shall make payment according to its customary payment schedule.
- 4. Vendor shall provide all precast concrete box culvert segments necessary for the construction of the culverts as shown on the Plans. Delivery to the project site shall be scheduled with the County. The vendor shall fabricate all precast concrete box culvert segments and have ready for delivery within 40 working days of the award of contract (contract time). Liquidated damages shall be assessed for failure to complete the precast concrete box culvert segments within the contract time, in

accordance with Section 1-08.9.

5. Vendor warrants that all precast concrete box culverts delivered hereunder shall be free from defects in material and workmanship, shall conform to all applicable specifications and shall be fit for the County's intended use in road and drainage projects. Upon being notified that any item delivered hereunder fails to comply with the foregoing warranty, Vendor shall promptly repair or replace the defective item(s) to the County's satisfaction. No acceptance of, use of, or payment for such item(s) shall be deemed to constitute acceptance of any defect(s), nor release Vendor from its obligations under its warranty.

**6. Professional Liability**

The Vendor and/or its design consultant providing design-related professional services shall provide evidence of Professional Liability insurance covering professional errors and omissions.

Such policy shall provide the following minimum limits:

\$1,000,000 per claim and annual aggregate

If insurance is on a claims made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract.

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**BID PROPOSAL**

**WREN LOOP ROAD AND WHITE ROAD CULVERT REPLACEMENT PROJECT  
PRECAST CONCRETE BOX CULVERTS**

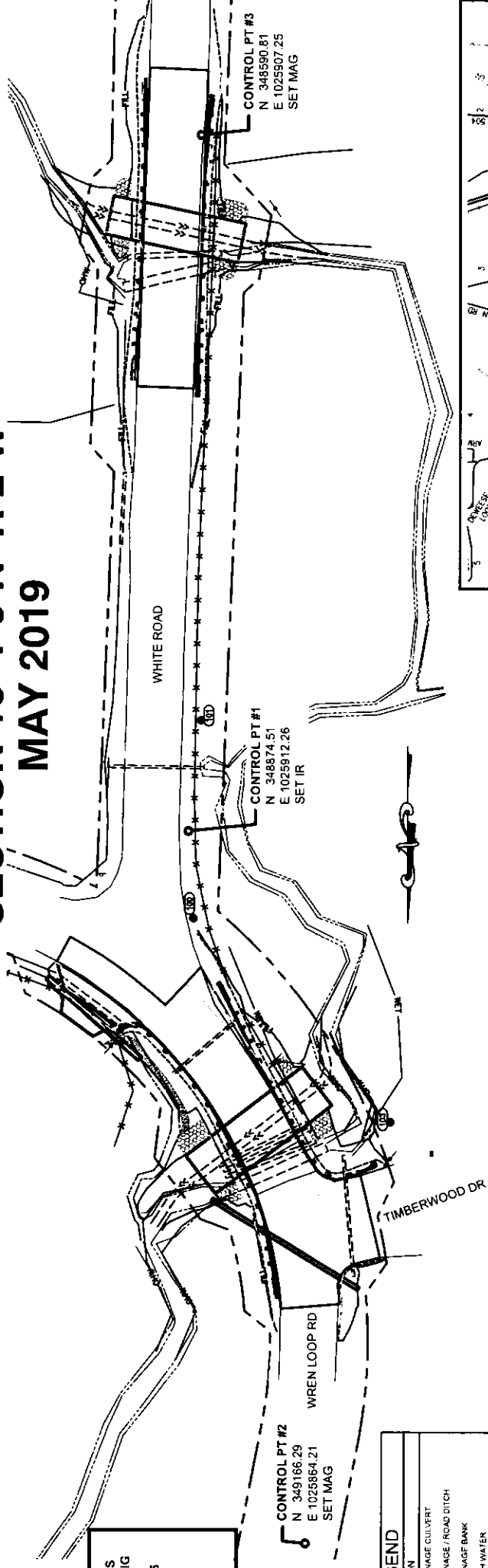
Quantity	Item	Unit price	Amount	Washington State Sales Tax (7.8%)	Total Including Sales Tax
60 LF	Precast Concrete Box Culvert, 18-Ft Span	\$	\$	\$	\$
55 LF	Precast Concrete Box Culvert, 14-Ft Span	\$	\$	\$	\$

**TOTAL COST TO COWLITZ COUNTY** .....\$\_\_\_\_\_

The undersigned acknowledges receipt of \_\_\_\_\_ addendums and has incorporated the information from these addendums in this bid.

# WREN LOOP & WHITE RD CULVERT REPLACEMENT PROJECT

WREN LOOP M.P. 0.28 TO M.P. 0.31  
 WHITE ROAD M.P. 0.04 TO M.P. 0.07  
 SECTION 16 T 9 N R 2 W  
 MAY 2019



CALL 48 HOURS BEFORE YOU DIG  
 1-800-424-5555  
 "It's the Law"

LINETYPE	DESCRIPTION
---	EXISTING DRAINAGE CULVERT
---	EXISTING DRAINAGE / ROAD DITCH
---	EXISTING DRAINAGE BANK
---	ORDINARY HIGH WATER
---	EXISTING FENCE
---	CABLE TV OVERHEAD LINE
---	CABLE TV UNDERGROUND LINE
---	NATURAL GAS LINE
---	PETROLEUM LINE
---	ELECTRICAL POWER OVERHEAD LINE
---	ELECTRICAL POWER UNDERGROUND LINE
---	EXISTING SANITARY SEWER LINE
---	FIBER OPTICS UNDERGROUND LINE
---	TELEPHONE OVERHEAD LINE
---	TELEPHONE UNDERGROUND LINE
---	EXISTING WATER LINE
---	WETLANDS DELINEATION
---	EXISTING ROAD / DRIVEWAY GRAVEL
---	EXISTING ROAD / DRIVEWAY PAVEMENT
---	EXISTING GUARD RAIL
---	DESIGN ALIGNMENT CENTERLINE
---	DESIGN EDGE OF PAVEMENT
---	DESIGN SHOULDER
---	DESIGN ROAD / DRAINAGE DITCH
---	DESIGN FENCE
---	SALT FENCE
---	DESIGN GUARD RAIL
---	DESIGN STORM SEWER / ROAD CULVERT PIPE
---	DESIGN PERF. UNDERDRAIN LINE
---	DESIGN DAYLIGHT - CUT
---	DESIGN DAYLIGHT - FILL
---	EXISTING GROUND CENTERLINE PROFILE
---	DESIGN CENTERLINE PROFILE
---	RIGHT OF WAY LINE
---	CONTOUR - EXISTING - INDEX
---	CONTOUR - EXISTING - NORMAL
---	CONTOUR - DESIGN - INDEX
---	CONTOUR - DESIGN - NORMAL

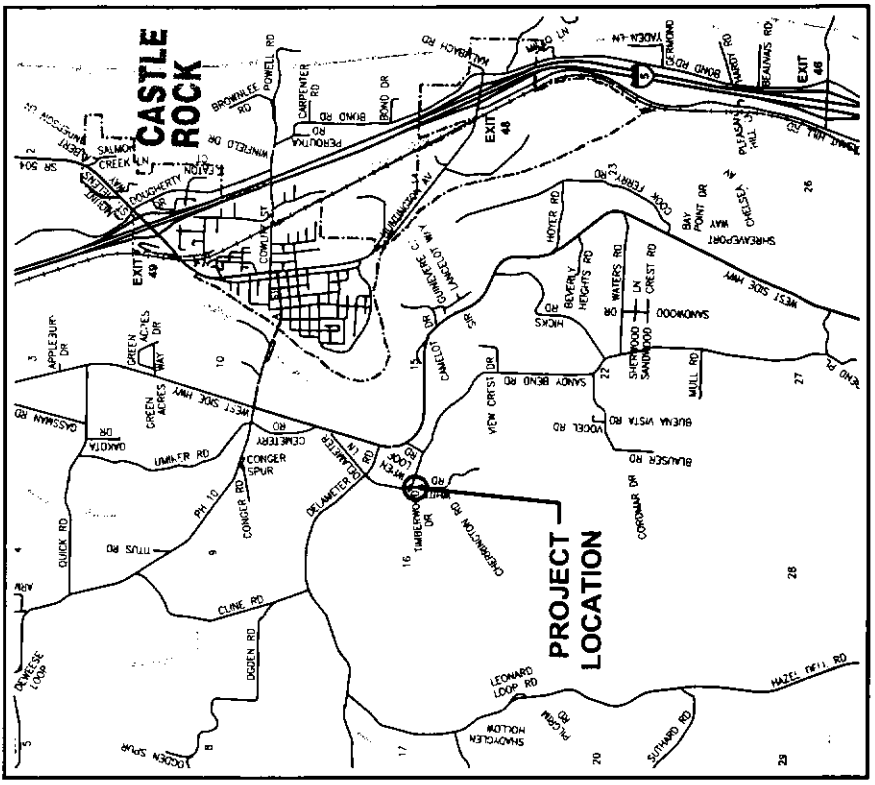
SYMBOL	DESCRIPTION
△	CONTROL POINT
□	FENCE GATE POST - EXISTING
○	FENCE GATE POST - NEW
■	MAIL BOX
⊙	SHRUB
⊕	CONIFER TREE
⊗	DECIDUOUS TREE
⊖	WATER WELL
⊗	ROAD SIGN
⊕	MARKER
⊖	CABLE TV PEDESTAL
⊗	NATURAL GAS METER
⊕	NATURAL GAS VENT
⊖	NATURAL GAS VALVE
⊗	PETROLEUM VENT
⊕	GUY ANCHOR
⊖	GUY POLE
⊗	LIGHT STANDARD
⊕	LIGHT POLE
⊖	ELECTRICAL POWER METER
⊗	UTILITY / POWER / TELEPHONE POLE
⊕	SERVICE POLE
⊖	TELEPHONE PEDESTAL
⊗	FIRE HYDRANT
⊕	WATER METER
⊖	WATER VALVE

**VERTICAL DATUM**  
 NAVD88 PER WSRN NETWORK GPS SOLUTION (FIVE MINUTE OBSERVATION) ON POINT NUMBER 3. THIS MATCHED WELL WITH GPS SHOTS ON POINTS 1 AND 2. DATE OF GPS OBSERVATIONS WAS 8/06/2014.  
 CONTROL POINT 3 = 51.40' NAVD88

**HORIZONTAL DATUM AND BASIS OF BEARINGS**  
 WASHINGTON STATE PLANE, SOUTH ZONE (SPC 4802 WA S). UTILIZING GROUND DISTANCES. SO STATE PLANE COORDINATES ARE APPROXIMATE (APPROXIMATELY ±0.2'). SEE BELOW.

HORIZONTAL COORDINATES ARE BASED ON WASHINGTON STATE PLANE (SOUTH ZONE). REFERENCE FRAME: NAD83 (2011) (EPOCH 2010.0000). US SURVEY FEET. ALL DISTANCES ARE GROUND. SO STATE PLANE COORDINATES ARE APPROXIMATE, AND WERE DETERMINED FROM A WSRN NETWORK GPS SOLUTION FOR CONTROL POINTS 1, 2, AND 3. THE STATE PLANE COORDINATES OF POINT 3 WERE HELD AND THE GROUND SURVEY WAS ROTATED AROUND POINT 3 TO THE STATE PLANE COORDINATES OF POINT 2.

DRAWING	DESCRIPTION
C-1B	BEAM GUARDRAIL POSTS AND BLOCKS
C-20-10	BEAM GUARDRAIL TYPE 31
C-20-11	BEAM GUARDRAIL TYPE 31 COMPONENTS
C-20-14	BEAM GUARDRAIL TYPE 31 PLACEMENT (CASE 2,3,1)
C-20-40	BEAM GUARDRAIL TYPE 31 PLACEMENT 25'-0" SPAN
C-22-45	BEAM GUARDRAIL TYPE 31 UNFLARED TERMINAL
C-22-50	BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 10



ABBREVIATION	DESCRIPTION
Δ	DELTA
BVCS	POINT OF VERTICAL CURVATURE - STATION
BVCE	POINT OF VERTICAL CURVATURE - ELEVATION
CONC	CONCRETE
CPPE	CORRUGATED POLYETHYLENE PIPE
CRP	COUNTY ROAD PROJECT
CTR5	CENTERS
DIA	DIAMETER
E	EAST
EG	EXISTING GROUND
EL	ELEVATION
EOP	EDGE OF PAVEMENT
EOPV	POINT OF VERTICAL TANGENCY - STATION
EOPVE	POINT OF VERTICAL TANGENCY - ELEVATION
EW	EXISTING WAY
EWST	EXISTING
FOUND	FOUND
FG	FINISH GRADE
FL	FLOWLINE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HMA	ASPHALT CONCRETE
HORIZ	HORIZONTAL
HP	HIGH POINT
IE	INVERT ELEVATION
INV	INVERT
IP	IRON PIPE
IR	IRON ROAD
LR	LENGTH
LF	LINEAR FEET
LT	LEFT
M.P	MILE POST
MAX	MAXIMUM
MIN	MINIMUM
N	NORTH
NTS	NOT TO SCALE
PC	POINT OF HORIZONTAL CURVATURE
PCMS	PORTABLE CHANGABLE MESSAGE SIGN
PG	PERFORMANCE GRADE
P1	POINT OF HORIZONTAL INTERSECTION
P2	POINT OF HORIZONTAL INTERSECTION
PVI	POINT OF VERTICAL INTERSECTION
R	RANGE RADII
R/W	RIGHT OF WAY
RCP	REINFORCED CONCRETE PIPE
ROAD	ROAD
REINF	REINFORCING
RIGHT	RIGHT
S	SOUTH
SEC	SECTION
SPT	SHEET
SPEC	SPECIFICATION
SR	STATE ROUTE
STA	STATION
STD	STANDARD
T	TOWNSHIP, TANGENT
TYP	TYPICAL
VC	VERTICAL CURVE
VERT	VERTICAL
W	WEST
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
W/	WITH

SHEET	DESCRIPTION
1	COVER SHEET
2	WREN LOOP ROAD - PLAN AND PROFILE
3	GREEN AT WREN LOOP ROAD - PLAN AND PROFILE
4	WHITE ROAD - PLAN AND PROFILE
5	CREEK AT WHITE ROAD - PLAN AND PROFILE
6	TYPICAL CROSS SECTIONS

INFORMATIONAL - FOR MATERIAL PROCUREMENT ONLY.  
 NOT FOR CONSTRUCTION.

## WREN LOOP & WHITE ROAD CULVERT REPLACEMENT PROJECT COVER SHEET

CRP #: 723



APPROVED BY: *Susan Tegemo*  
 COUNTY ENGINEER  
 DATE: May 20, 2019

DEPARTMENT OF PUBLIC WORKS  
 1800 13th AVENUE SOUTH  
 KELSO, WASHINGTON 98626



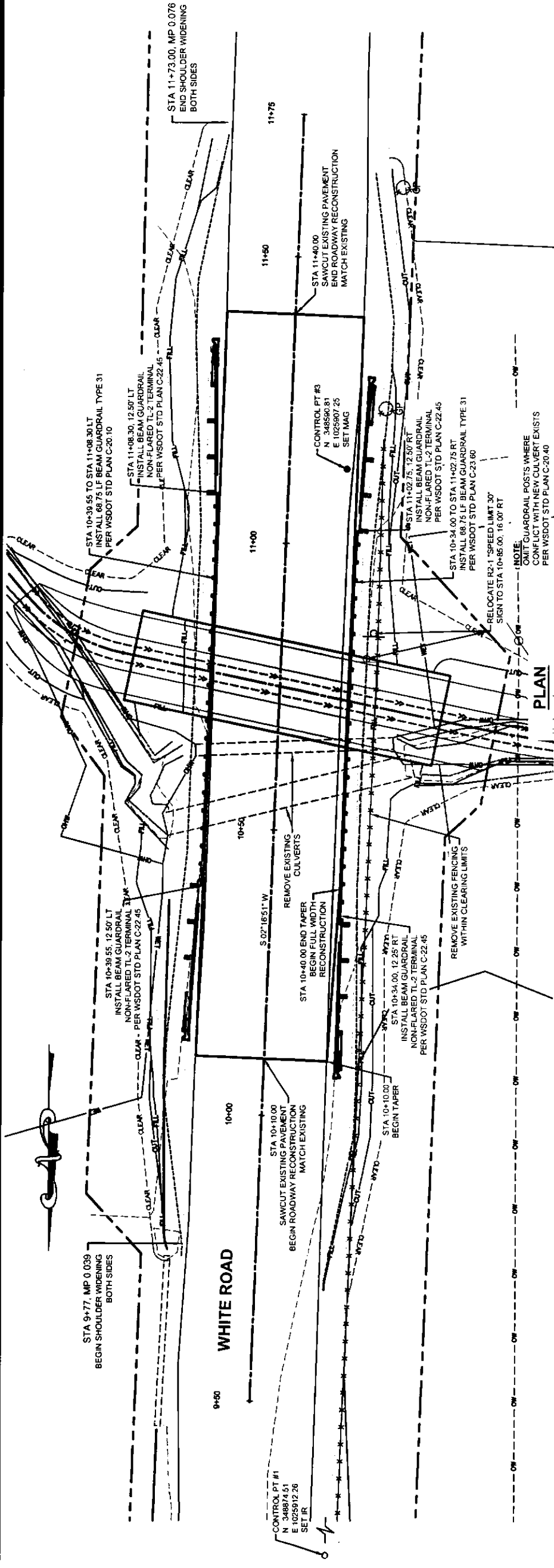
HORIZ SCALE: \_\_\_\_\_  
 VERT SCALE: \_\_\_\_\_  
 PROJECT ID: 1784  
 ROAD NO: 24510 & 24550  
 COMPUTER FILE: 1784 Cover.dwg

RM PROJECT MANAGER: \_\_\_\_\_ DATE: 5/20/19  
 SA DRAWN BY: \_\_\_\_\_ DATE: 5/20/19  
 BB CHECKED BY: \_\_\_\_\_ DATE: 5/20/19

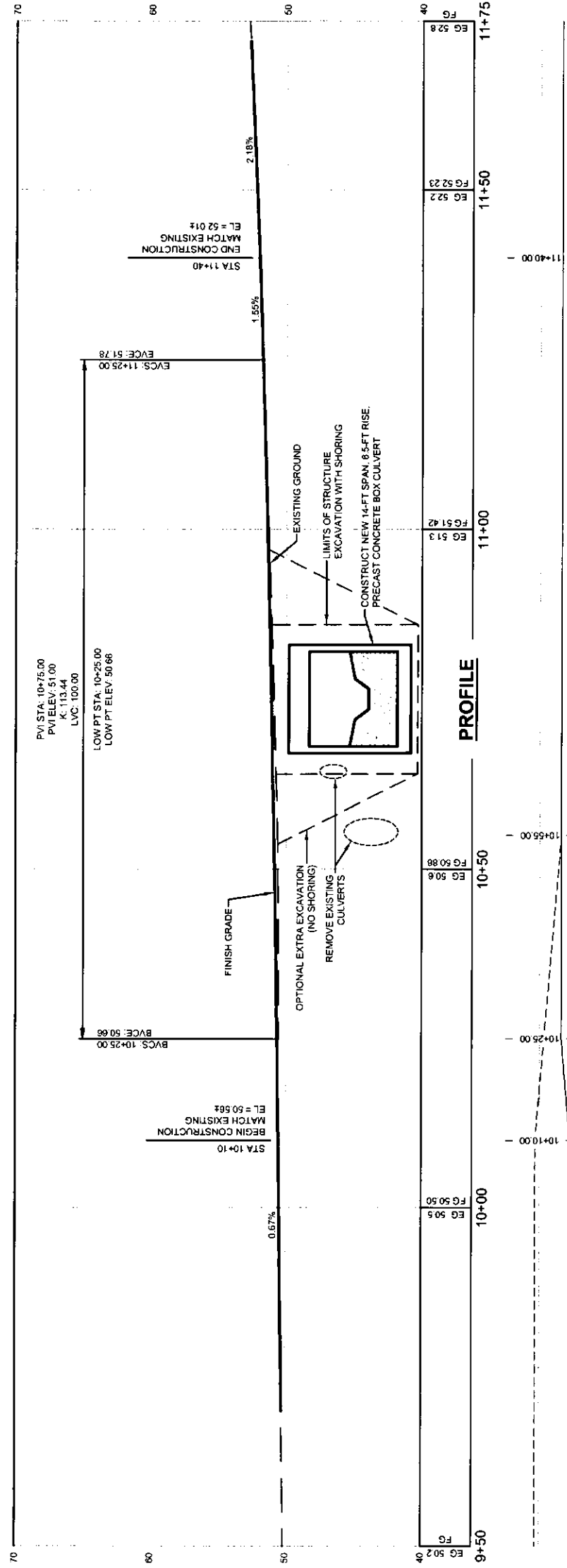








PLAN



PROFILE

SUPERELEVATION

REM PROJECT MANAGER DATE 5/20/19  
 SA DRAWN BY DATE 5/20/19  
 BB CHECKED BY DATE 5/20/19

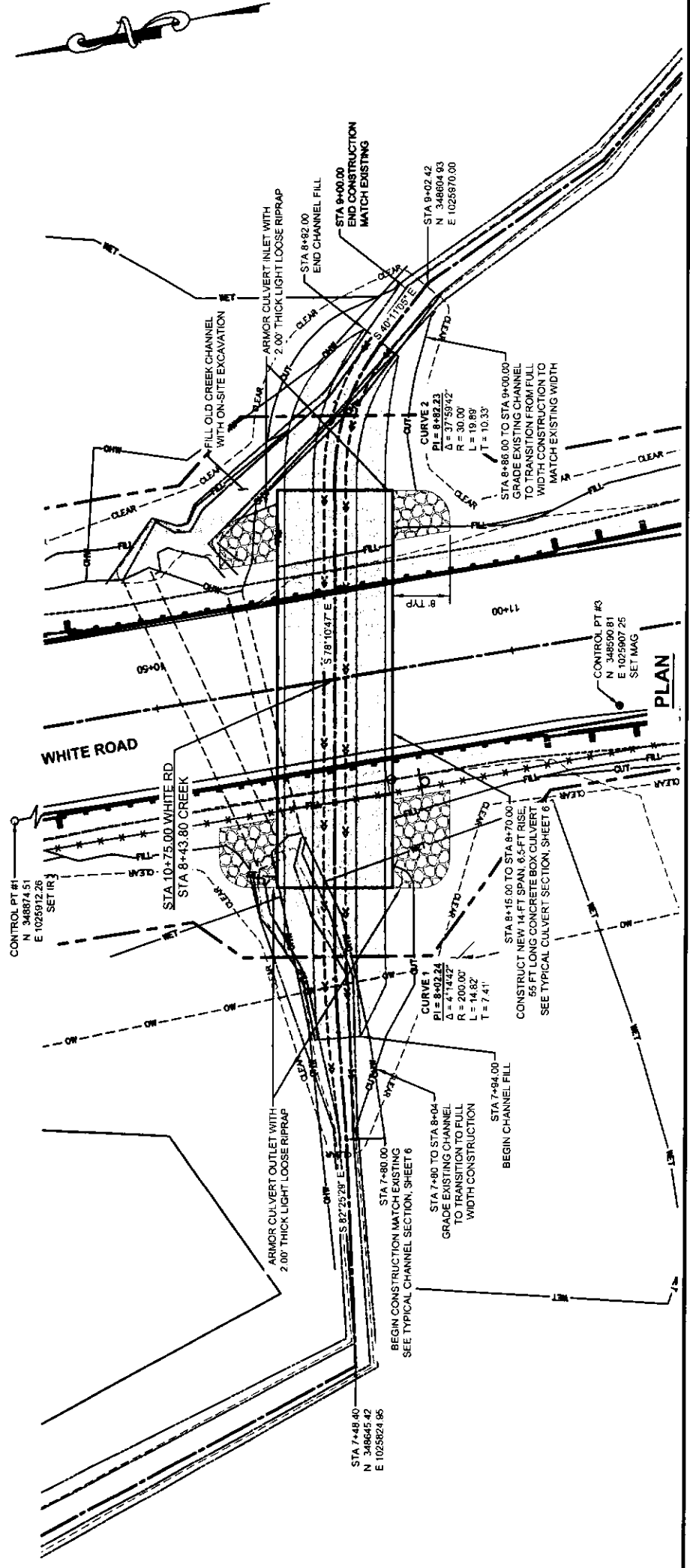
HORIZ SCALE 1" = 10'  
 VERT SCALE 1" = 5'  
 PROJECT ID 1794  
 ROAD NO 24510 & 24550  
 COMPUTER FILE 1794 Design.dwg

COMITZ COUNTY WASHINGTON  
 DEPARTMENT OF PUBLIC WORKS  
 1600 13TH AVENUE SOUTH  
 KELSO, WASHINGTON 98626



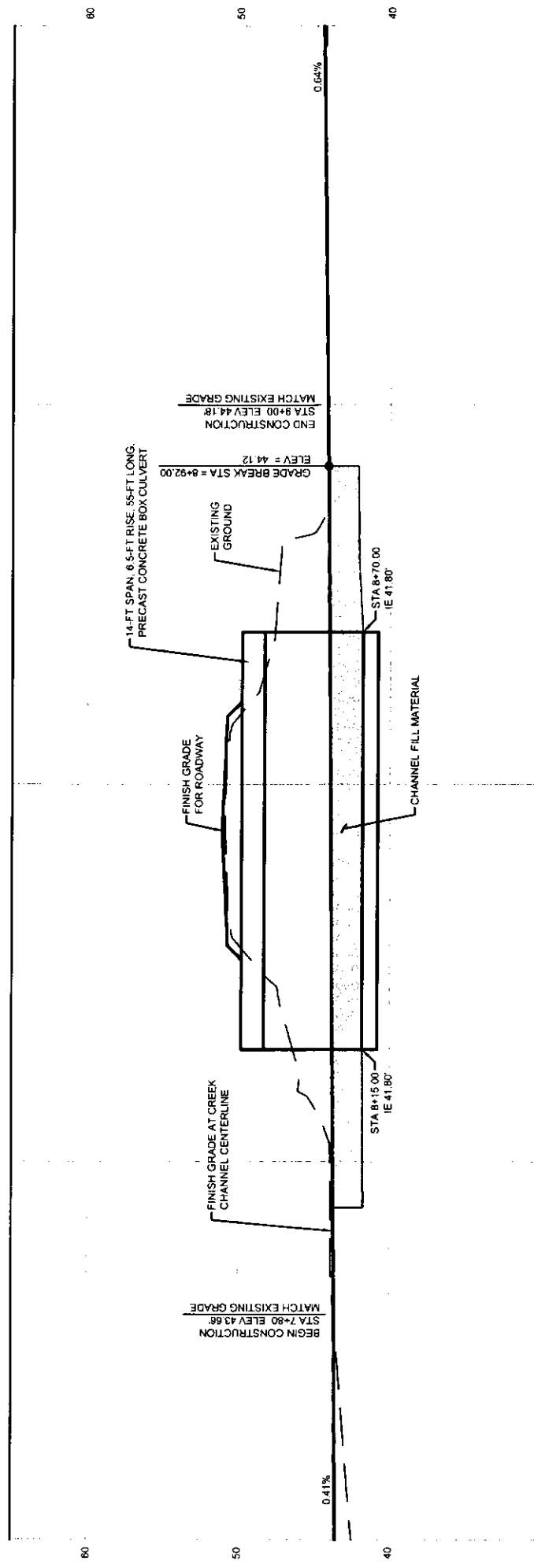
SEC 16 19N R2W

WREN LOOP & WHITE ROAD  
 CULVERT REPLACEMENT PROJECT  
 WHITE ROAD  
 PLAN & PROFILE



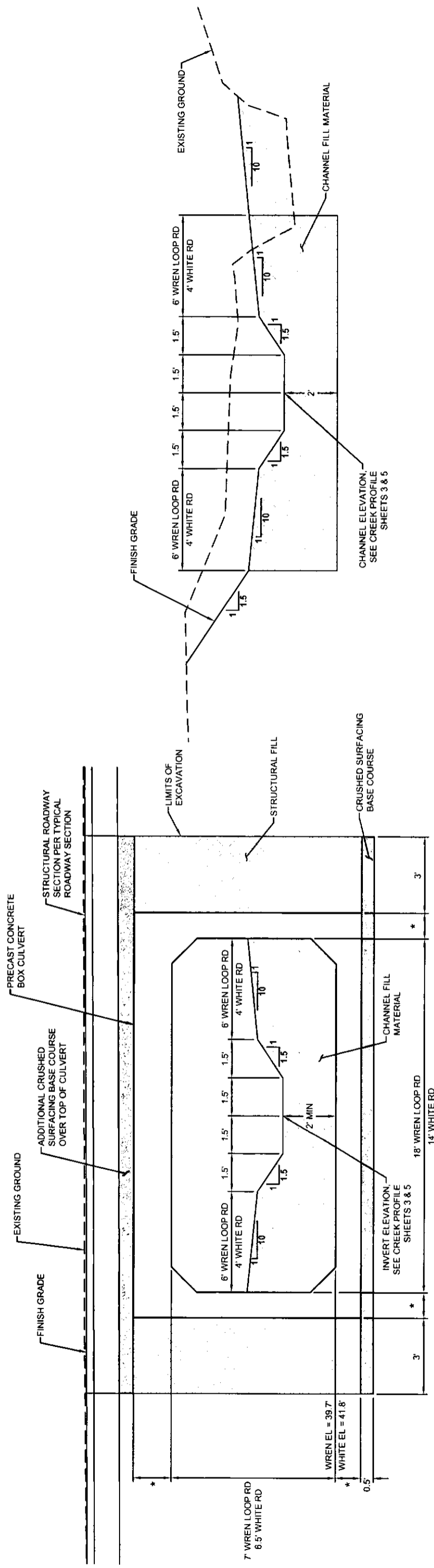
**NOTE:**  
HYDROSEED ALL DISTURBED SOIL NOT COVERED WITH CHANNEL FILL MATERIAL, RIPRAP OR QUARRY SPALLS.

INFORMATIONAL - FOR MATERIAL PROCUREMENT ONLY.  
NOT FOR CONSTRUCTION.



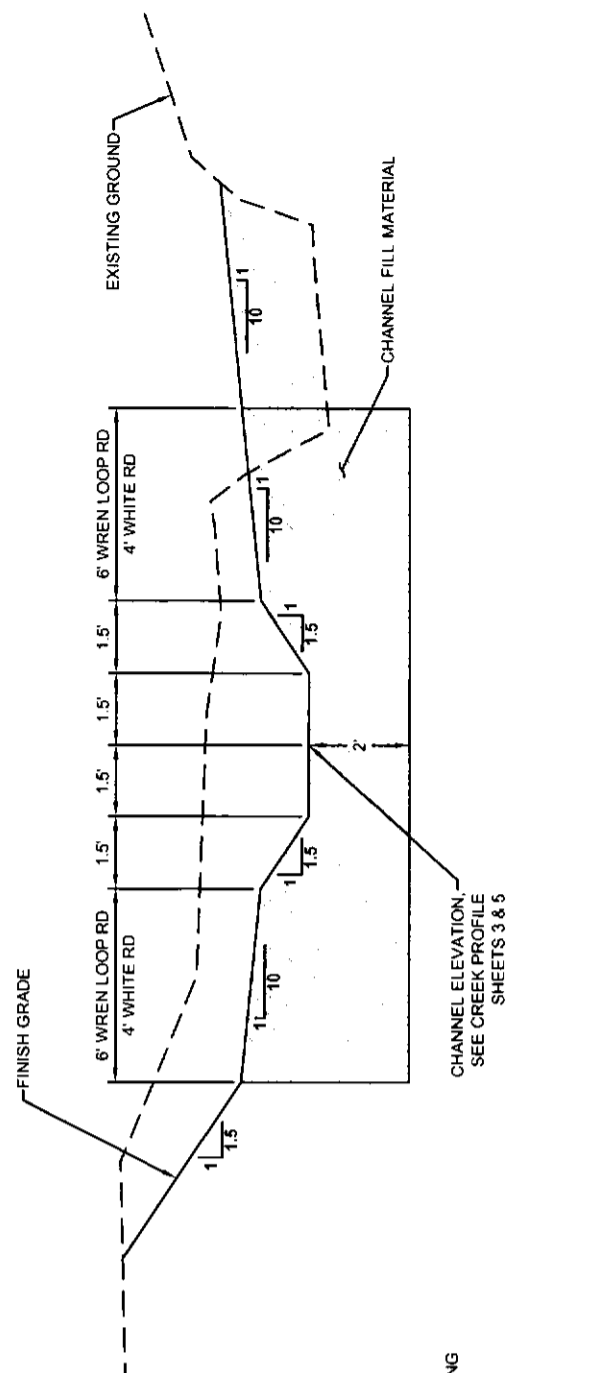
PROFILE	
FG 43.54	7+50
EG 42.96	
FG 43.74	8+00
EG 43.9	
FG 43.96	8+50
EG 50.9	
FG 44.17	9+00
EG 44.3	
FG 44.49	9+50

REM PROJECT MANAGER SA DATE DRAWN BY DATE BB DATE CHECKED BY DATE	HORIZ SCALE 1" = 10' VERT SCALE 1" = 5' PROJECT ID 1794 ROAD NO. 24510 & 24550 COMPUTER FILE 1794 Design.dwg	DEPARTMENT OF PUBLIC WORKS 1600 13TH AVENUE SOUTH KELSO, WASHINGTON 98626	WASHINGTON COUNTY 	SEC 16 19N R2W S-20-17 	<b>WREN LOOP &amp; WHITE ROAD          CULVERT REPLACEMENT PROJECT          CREEK AT WHITE ROAD          PLAN &amp; PROFILE</b>	SHEET 5 OF 6
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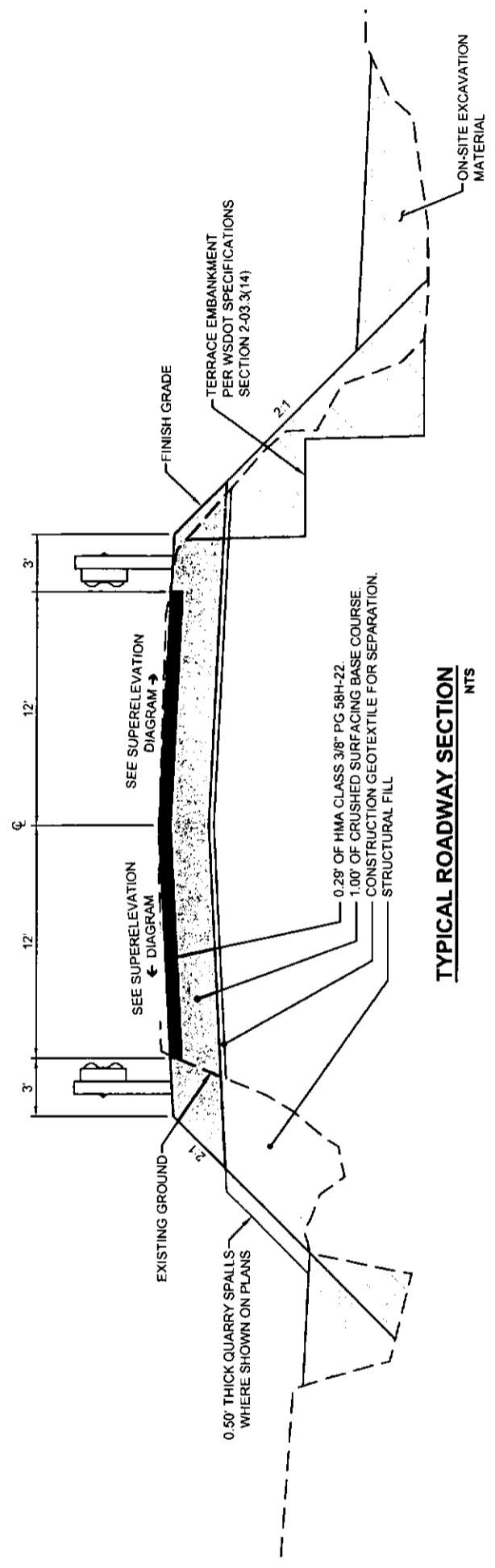


**TYPICAL CULVERT SECTION**  
NTS

\* DIMENSIONS TO BE DETERMINED BY CONTRACTOR'S ENGINEER PER THE SPECIAL PROVISIONS



**TYPICAL CHANNEL SECTION**  
NTS



**TYPICAL ROADWAY SECTION**  
NTS

REM PROJECT MANAGER DATE 5/20/2019  
SA DRAWN BY DATE 5/20/19  
BB CHECKED BY DATE 5/20/19

HORIZ SCALE  
VERT SCALE  
PROJECT ID: 1794  
ROAD NO.: 24510 & 24550  
COMPUTER FILE: 1794 Design.dwg



DEPARTMENT OF PUBLIC WORKS  
1600 13TH AVENUE SOUTH  
KELSO, WASHINGTON 98626

S-20-19

SEC 16 19N R2W

**WREN LOOP & WHITE ROAD  
CULVERT REPLACEMENT PROJECT**  
**TYPICAL CROSS SECTIONS**

SHEET 6 OF 6

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