

Lewis County  
Department of Public Works  
Engineering Division

**CONTRACT  
PROVISIONS AND PLANS  
FOR CONSTRUCTION OF:  
NORTH FORK ROAD  
REALIGNMENT PROJECT**

**RAP Project No. 2113-01  
COUNTY ROAD PROJECT NO. 2158**

April, 2019  
Book 3 of 3

Lewis County Public Works  
2025 NE Kresky Ave.  
Chehalis, WA 98532-2626



BOARD OF COUNTY COMMISSIONERS

Edna J. Fund, District No. 1  
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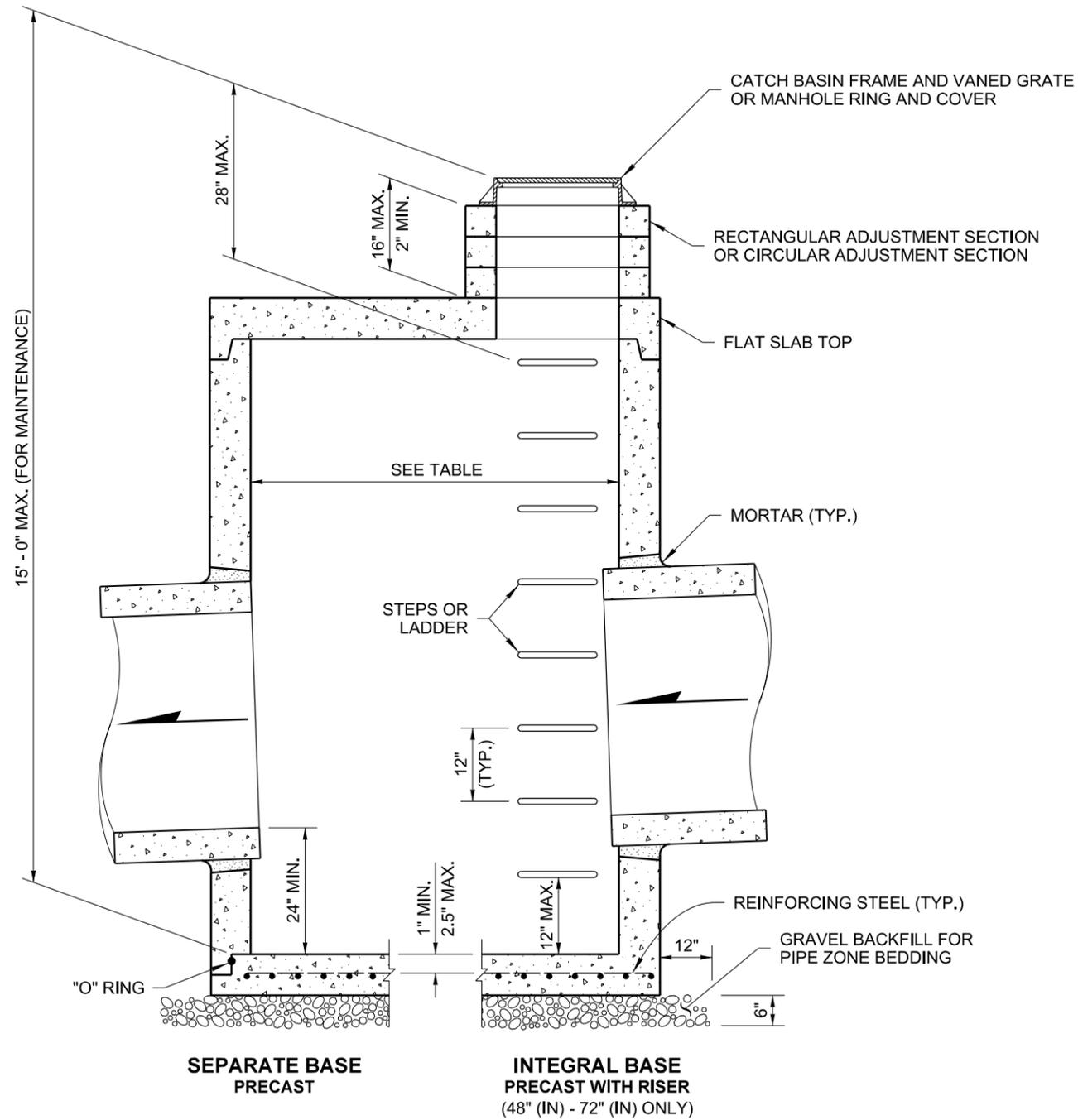
## **APPENDIX E**

**STANDARD PLANS**

**TEMPORARY TRAFFIC CONTROL PLANS**

**CONTRACT PLANS**





**NOTES**

1. No steps are required when height is 4' or less.
2. The bottom of the precast catch basin may be sloped to facilitate cleaning.
3. The rectangular frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section.
4. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.

**CATCH BASIN DIMENSIONS**

CATCH BASIN DIAMETER	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"
72"	6"	8"	60"	12"
84"	8"	12"	72"	12"
96"	8"	12"	84"	12"
120"	10"	12"	96"	12"
144"	12"	12"	108"	12"

**PIPE ALLOWANCES**

CATCH BASIN DIAMETER	PIPE MATERIAL WITH MAXIMUM INSIDE DIAMETER				
	CONCRETE	ALL METAL	CPSSP ① PP ④	SOLID WALL PVC ②	PROFILE WALL PVC ③
48"	24"	30"	24"	30"	30"
54"	30"	36"	30"	36"	36"
60"	36"	42"	36"	42"	42"
72"	42"	54"	42"	48"	48"
84"	54"	60"	54"	48"	48"
96"	60"	72"	60"	48"	48"
120"	66"	84"	60"	48"	48"
144"	78"	96"	60"	48"	48"

- ① Corrugated Polyethylene Storm Sewer Pipe (See **Standard Specification Section 9-05.20**)
- ② (See **Standard Specification Section 9-05.12(1)**)
- ③ (See **Standard Specification Section 9-05.12(2)**)
- ④ Polypropylene Pipe (See **Standard Specification Section 9-05.24**)



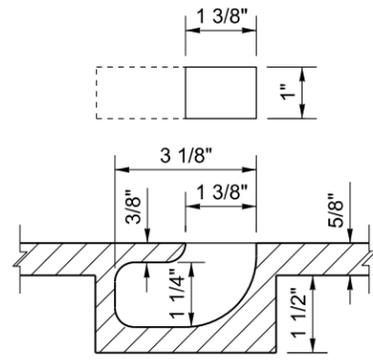
**CATCH BASIN TYPE 2**

**STANDARD PLAN B-10.20-02**

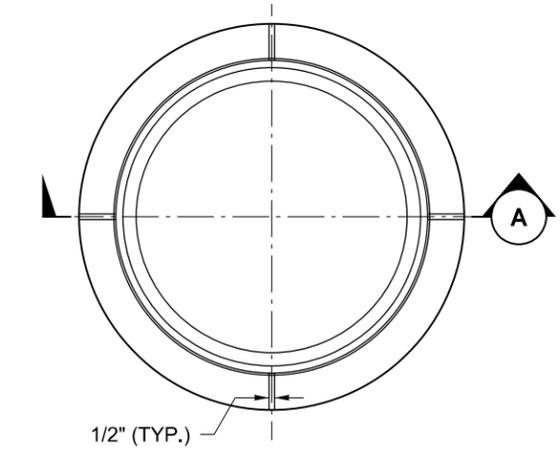
SHEET 1 OF 1 SHEET

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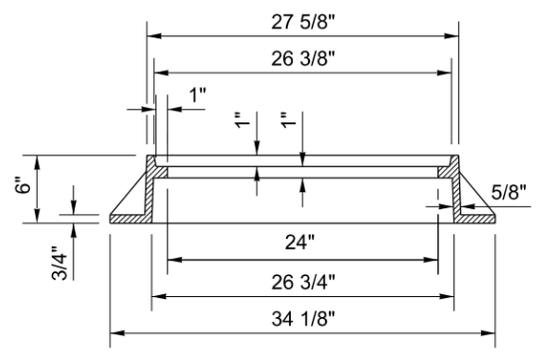
STATE DESIGN ENGINEER  
 Washington State Department of Transportation



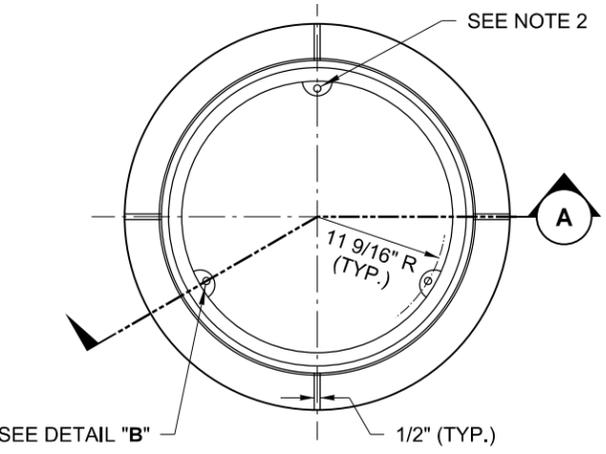
**BLIND PICK NOTCH  
DETAIL "A"**



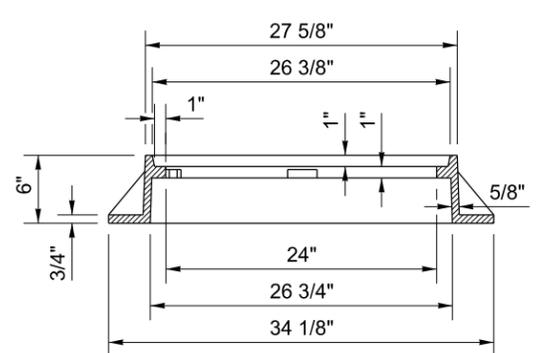
**RING PLAN**



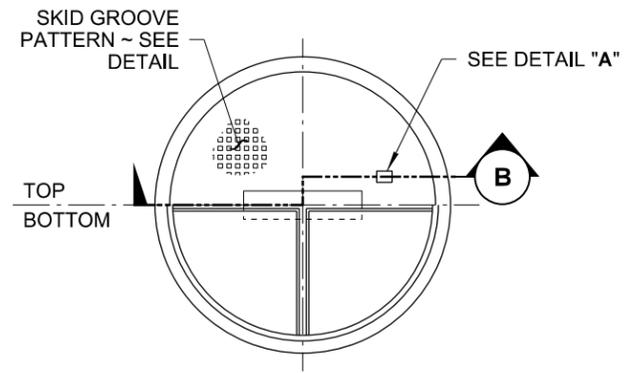
**RING SECTION A**



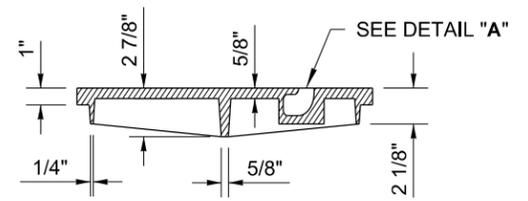
**RING PLAN**



**RING SECTION A**

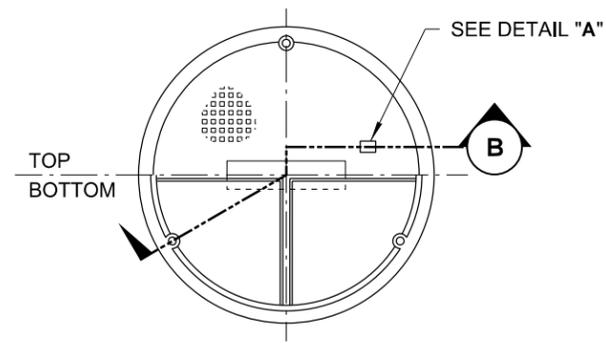


**COVER PLAN**

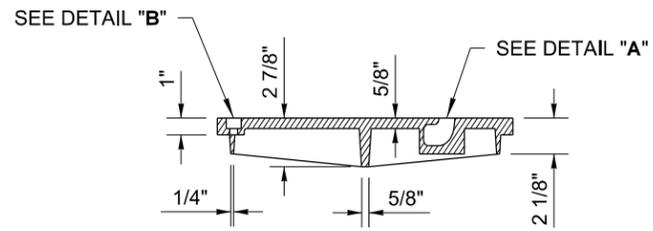


**COVER SECTION B  
(SEE NOTE 7)**

**STANDARD  
TYPE 1**

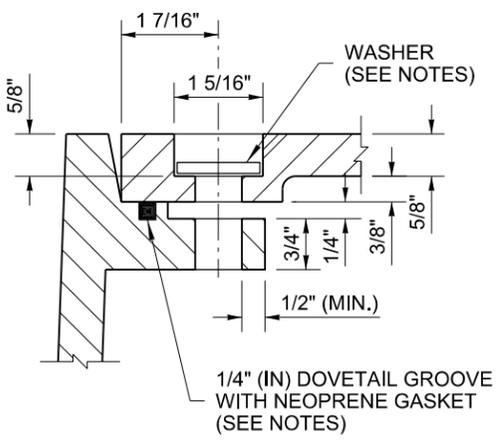


**COVER PLAN**

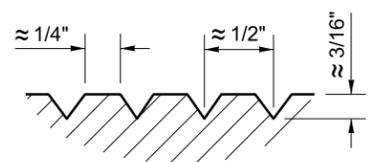


**COVER SECTION B  
(SEE NOTE 7)**

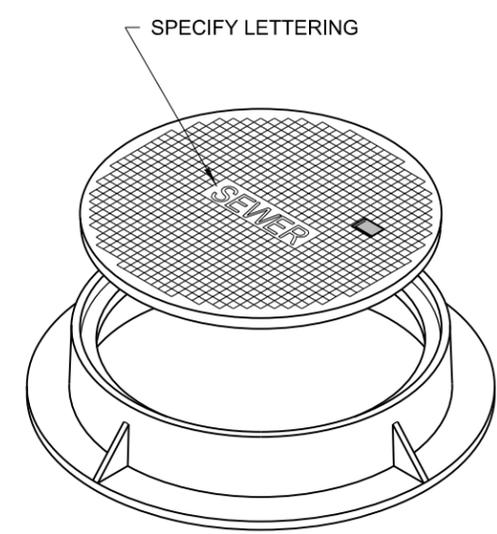
**BOLT-DOWN / WATERTIGHT  
TYPE 2**



**BOLT-DOWN / WATERTIGHT  
DETAIL "B"**



**SKID GROOVE PATTERN  
DETAIL**



**ISOMETRIC VIEW**

**NOTES**

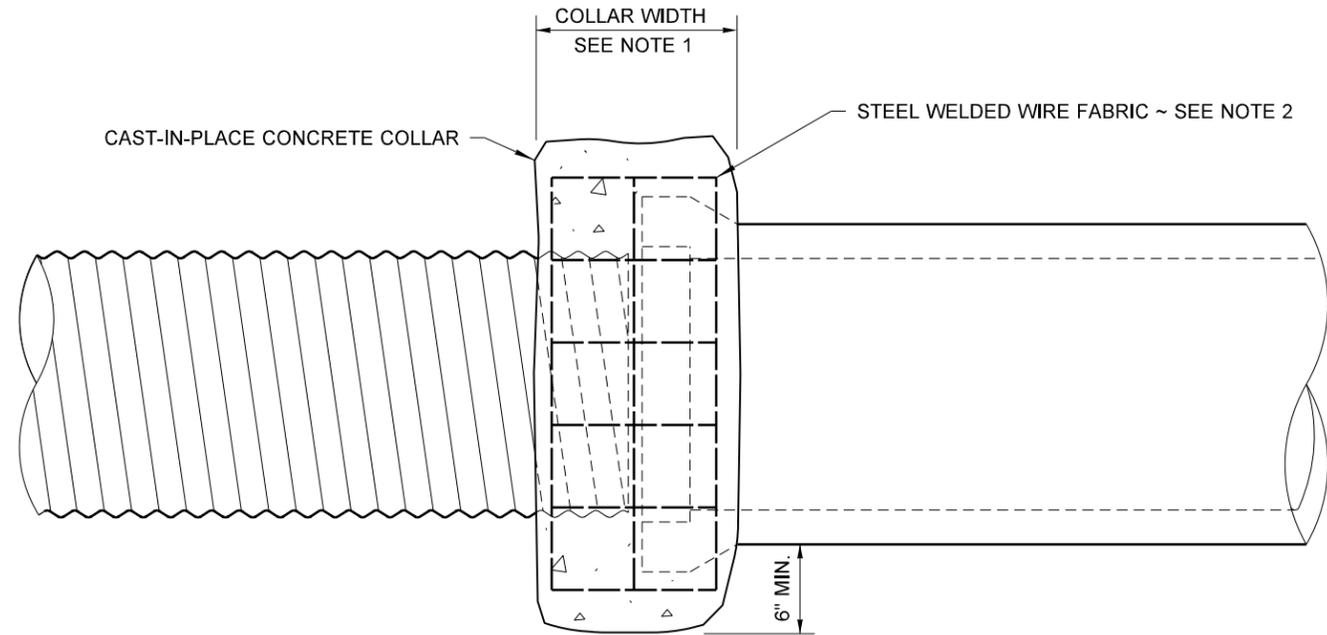
1. The gasket and groove may be in the seat (frame) or in the underside of the cover. The gasket may be "T" shaped in section. The groove may be cast or machined.
2. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 3 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S) 5/8" - 11 NC x 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt down holes varies by manufacturer.
3. For bolt-down manhole ring and covers that are not designated "Watertight," the neoprene gasket, groove, and washer are not required.
4. Washer shall be neoprene (Detail "B").
5. In lieu of blind pick notch for manhole covers, a single 1" (in) pick hole is acceptable. Hole location and number of holes may vary by manufacturer.
6. Alternative reinforcing designs are acceptable in lieu of the rib design.
7. For clarity, the vertical scale of the Cover Section has been exaggerated, it is 1.5 times the horizontal scale (1H:1.5V).



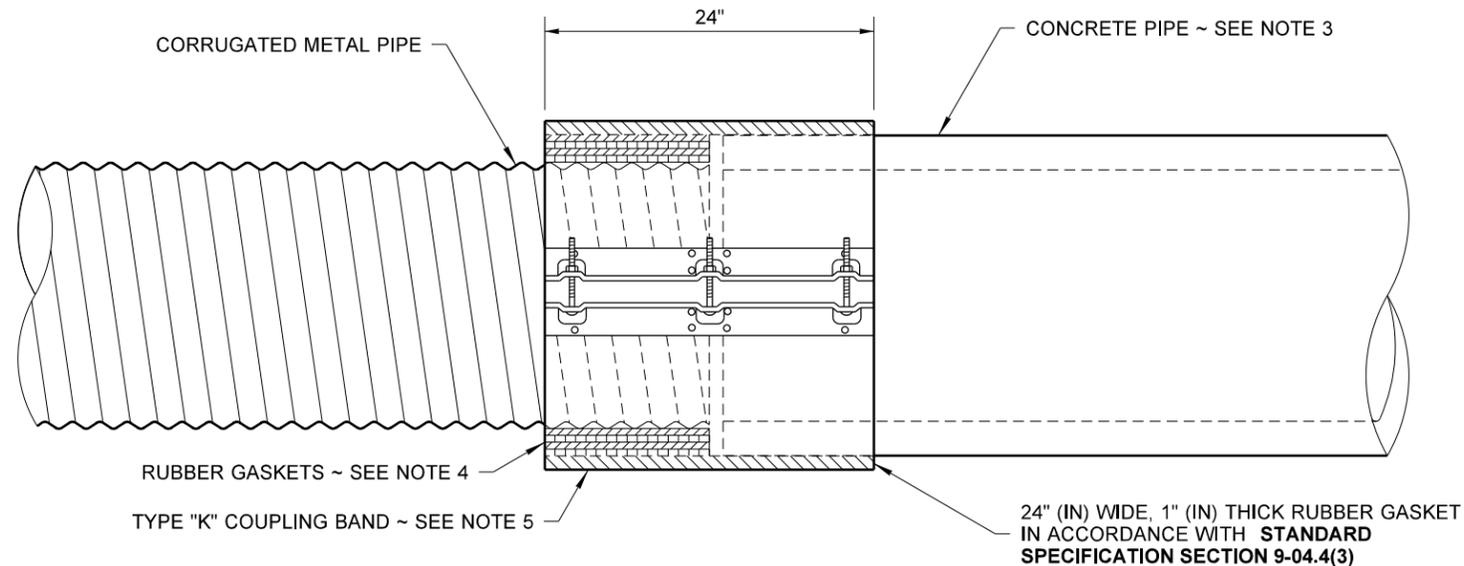
**CIRCULAR FRAME (RING)  
AND COVER**  
**STANDARD PLAN B-30.70-04**

SHEET 1 OF 1 SHEET  
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DRAWN BY: FERN LIDDELL



**CONCRETE COLLAR OPTION**



**COUPLING BAND OPTION**

**NOTES**

1. The Concrete Collar width shall be one half of the outside pipe diameter of the largest pipe. The minimum Concrete Collar width shall be 12" (in). Concrete Collars may be used with all pipe materials and diameters. The Concrete Collar option shall only be used to extend existing pipes. Concrete shall be Commercial Concrete in accordance with **Standard Specification Section 6-02.3(2)**.
2. Steel Welded Wire Fabric shall be in accordance with **Standard Specification Section 9-07.7**. Install two wraps for size 6 x 6 W1.4 x W1.4 (10 Gage) Steel Welded Wire Fabric or one wrap for any of the following sizes:
  - 6 x 6 W2.1 x W2.1 (8 Gage)
  - 6 x 6 W2.9 x W2.9 (6 Gage)
  - 4 x 4 W2.9 x W2.9 (6 Gage)
  - 4 x 4 W4.0 x W4.0 (4 Gage)
 Provide 1 1/2" min. covering over wire fabric.
3. When a Coupling Band connection requires attachment to the bell end of a concrete pipe, the bell end of the pipe shall be removed before the connection is installed.
4. Increase the outside diameter of the metal pipe to match the outside diameter of the concrete pipe by installing 12" (in) wide rubber gaskets, thickness as required (Coupling Band only). The rubber gaskets shall be in accordance with **Standard Specification Section 9-04.4(3)**.
5. Use a flat Type K Coupling Band. Type K Coupling Bands with dimples are not allowed for the installation detail shown. The Coupling Band option shall only be used for extending existing pipes that have an inside diameter of 36" (in) or less.

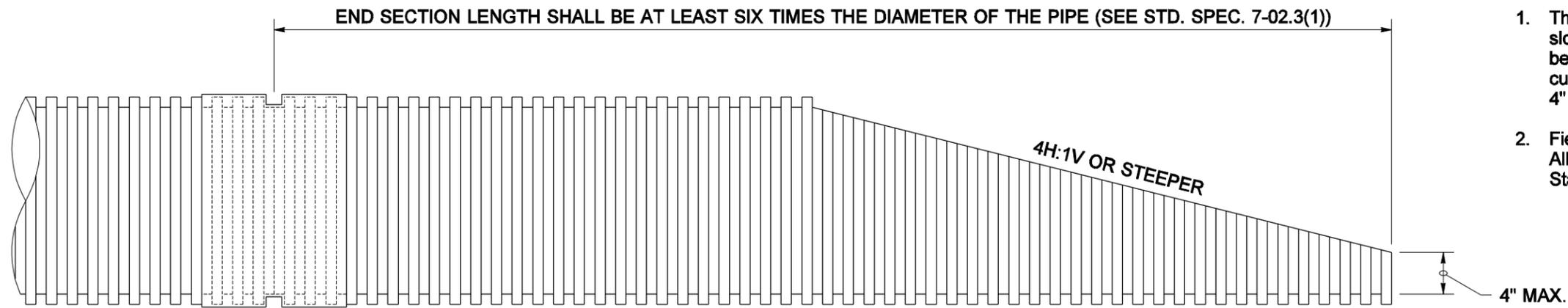


**CONNECTION DETAILS FOR  
DISSIMILAR CULVERT PIPE  
STANDARD PLAN B-60.20-01**

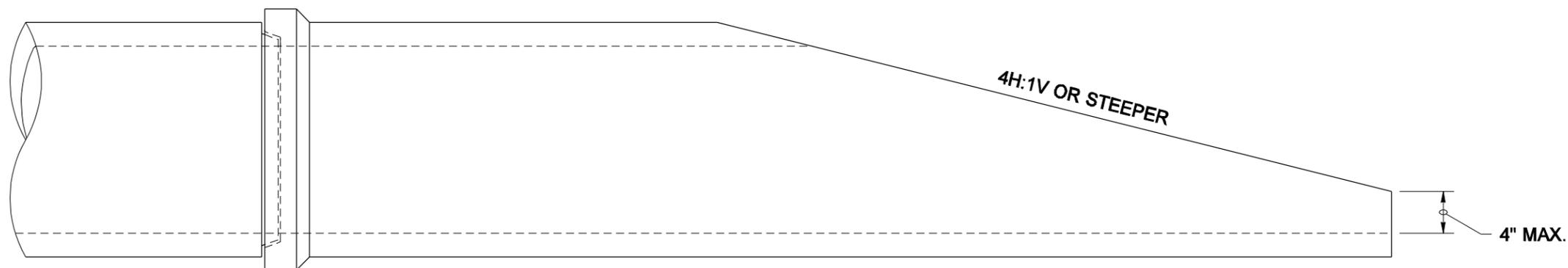
SHEET 1 OF 1 SHEET

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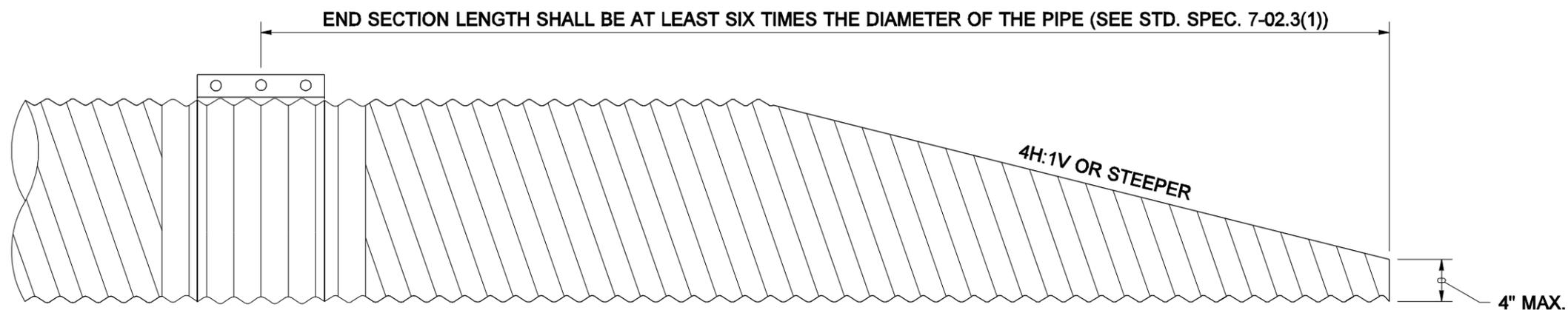
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 Washington State Department of Transportation



**THERMOPLASTIC PIPE**



**CONCRETE PIPE**



**METAL PIPE**

**NOTES**

1. The culvert ends shall be beveled to match the embankment or ditch slope and shall not be beveled flatter than 4H:1V. When slopes are between 4H:1V and 6H:1V, shape the slope in the vicinity of the culvert end to ensure that no part of the culvert protrudes more than 4" above the ground line.
2. Field cutting of culvert ends is permitted when approved by the Engineer. All field-cut culvert pipe shall be treated with treatment as shown in the Standard Specifications or General Special Provisions.

**FOR CULVERTS 30" DIAMETER OR LESS**



EXPIRES JULY 1, 2007

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

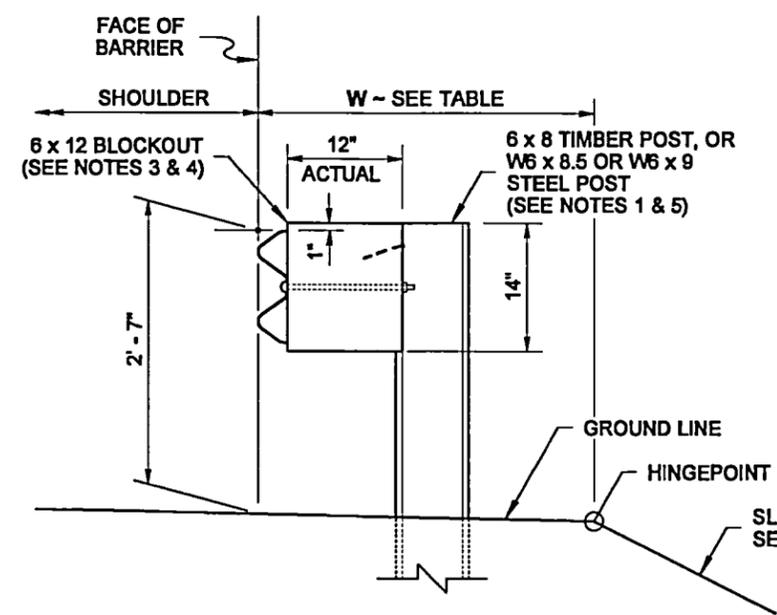
**BEVELED END SECTIONS**  
**STANDARD PLAN B-70.20-00**  
 SHEET 1 OF 1 SHEET

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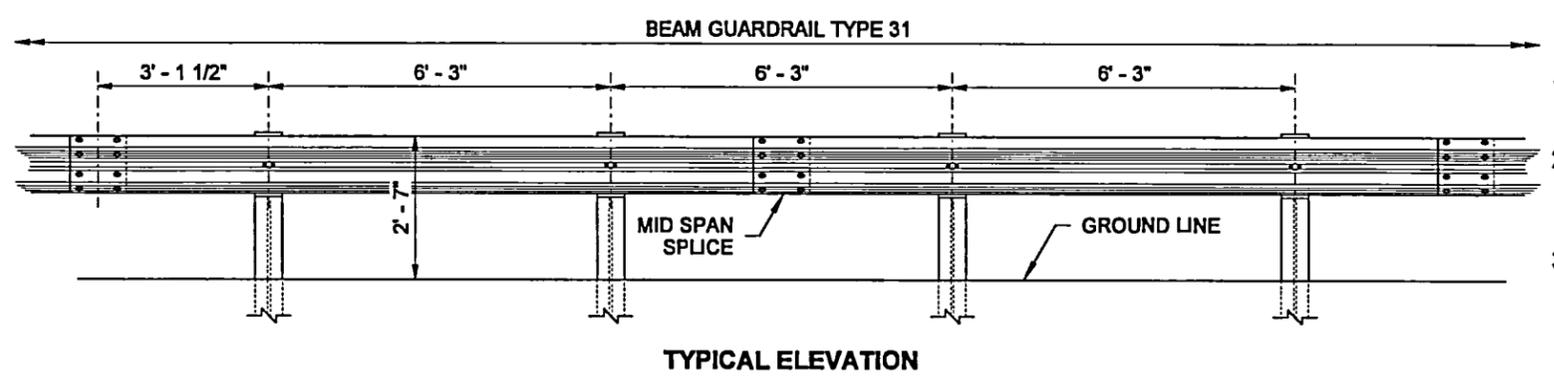
**Harold J. Peterfeso** 06-01-06  
 STATE DESIGN ENGINEER DATE



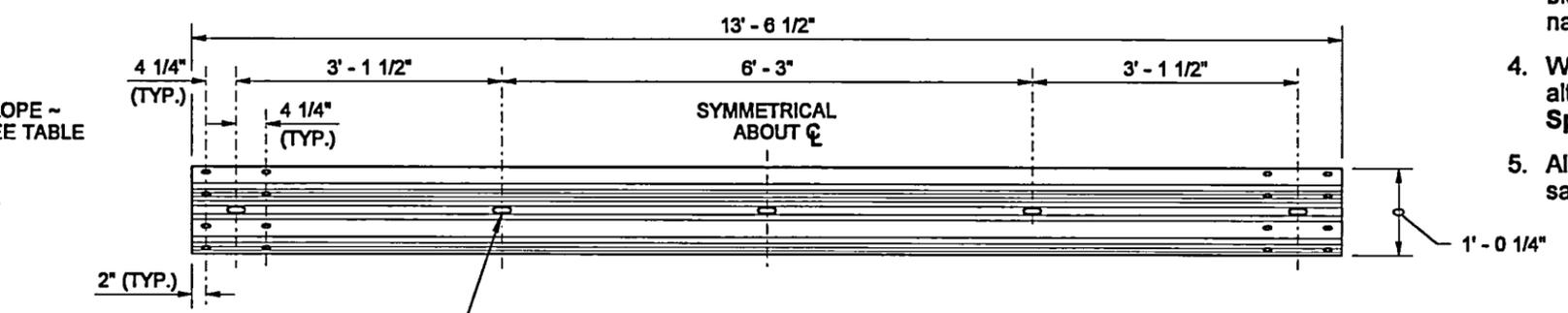
DRAWN BY: FERN LIDDELL



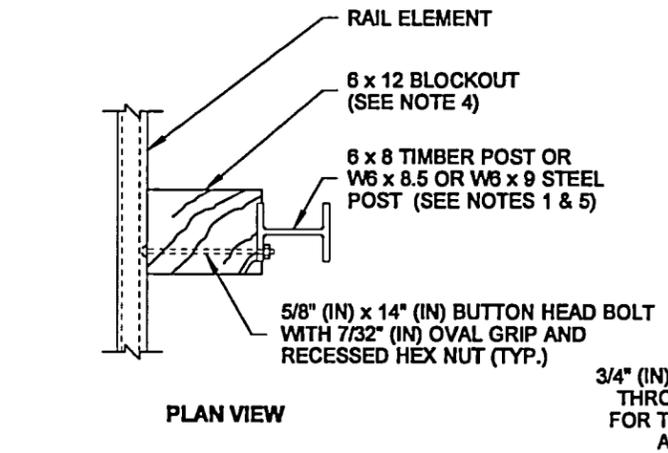
**TYPICAL SECTION ~ WITHOUT CURB**  
(6' - 0" LONG POSTS)



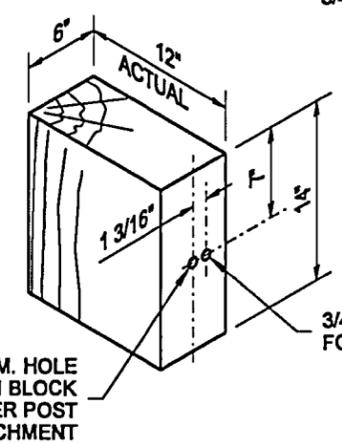
**TYPICAL ELEVATION**



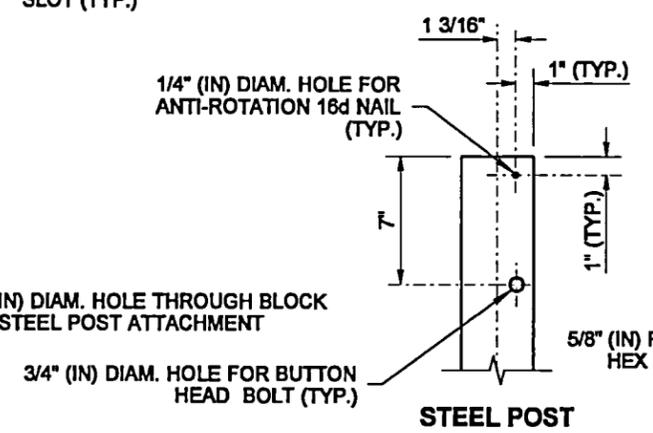
**TYPICAL RAIL ELEMENT**



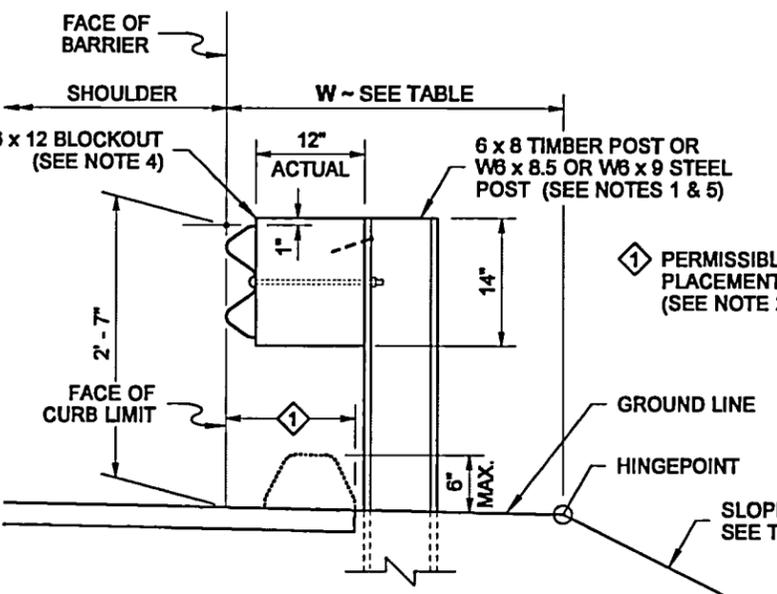
**PLAN VIEW**



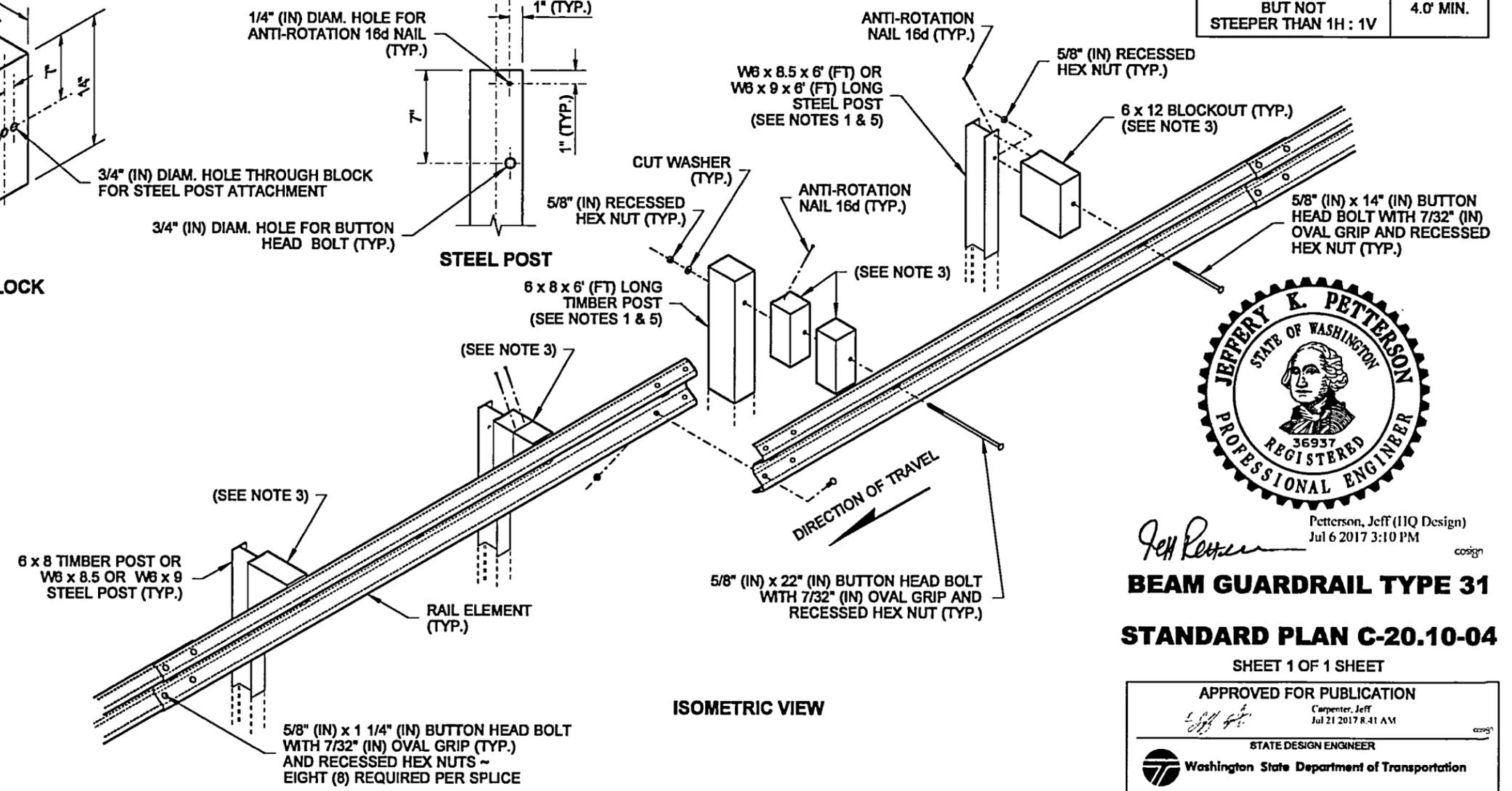
**WOOD BLOCK**



**STEEL POST**



**ELEVATION VIEW**  
**TYPICAL SECTION ~ WITH CURB**  
(6' - 0" LONG POSTS)



**ISOMETRIC VIEW**

**NOTES**

1. Refer to **Standard Plan C-1b and C-20.11** for additional details not shown on this plan.
2. Extend shoulder pavement to provide a base for the extruded curb. See Contract Plans for exceptions to distances shown.
3. Use a single block or combination of blocks (no more than two (2) to achieve the actual 12" (in) offset. See **Standard Specification Section 9-16.3(2)**. Wood blocks shall be secured to the posts with anti-rotation nails. If combination blocks are used, the adjacent blocks shall be toenailed with two 16d galvanized nails to prevent block rotation.
4. Wood blocks are shown. Blocks of an approved alternative material may be used. See **Standard Specification Section 9-16.3(2)**.
5. All posts for any standard barrier run shall be of the same type: timber or steel.

SLOPE \ EMBANKMENT TABLE	
SLOPE	W (FT)
2H : 1V OR FLATTER	2.5' MIN.
STEEPER THAN 2H : 1V BUT NOT STEEPER THAN 1H : 1V	4.0' MIN.



Peterson, Jeff (HQ Design)  
Jul 6 2017 3:10 PM  
cosign

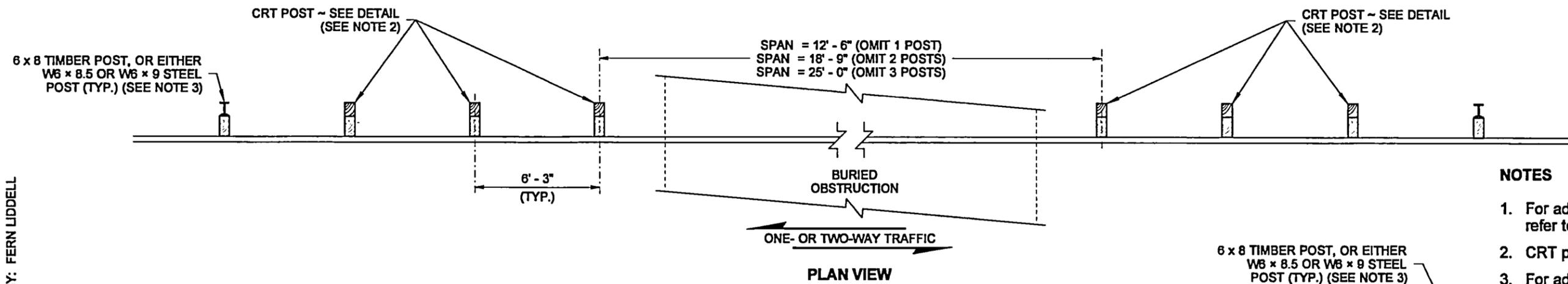
**BEAM GUARDRAIL TYPE 31**

**STANDARD PLAN C-20.10-04**

SHEET 1 OF 1 SHEET

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Carpenter, Jeff  
Jul 21 2017 8:41 AM  
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Washington State Department of Transportation

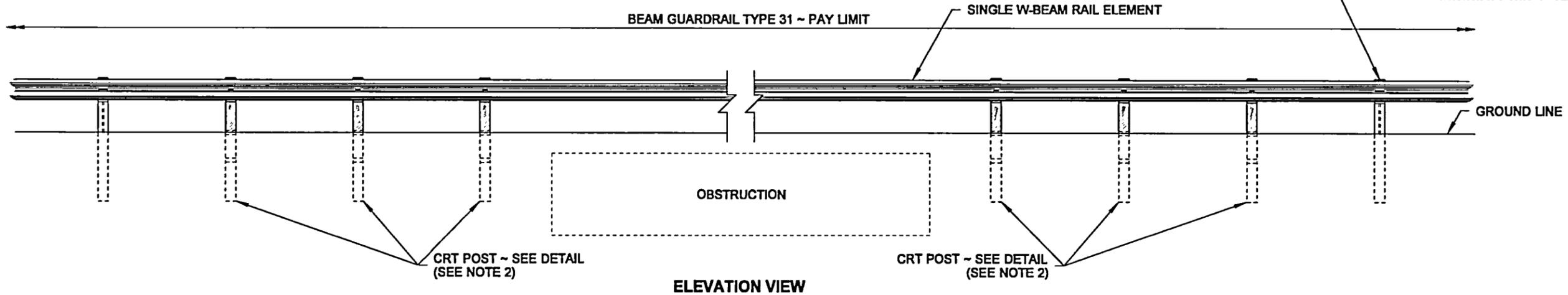
DRAWN BY: FERN LIDDELL



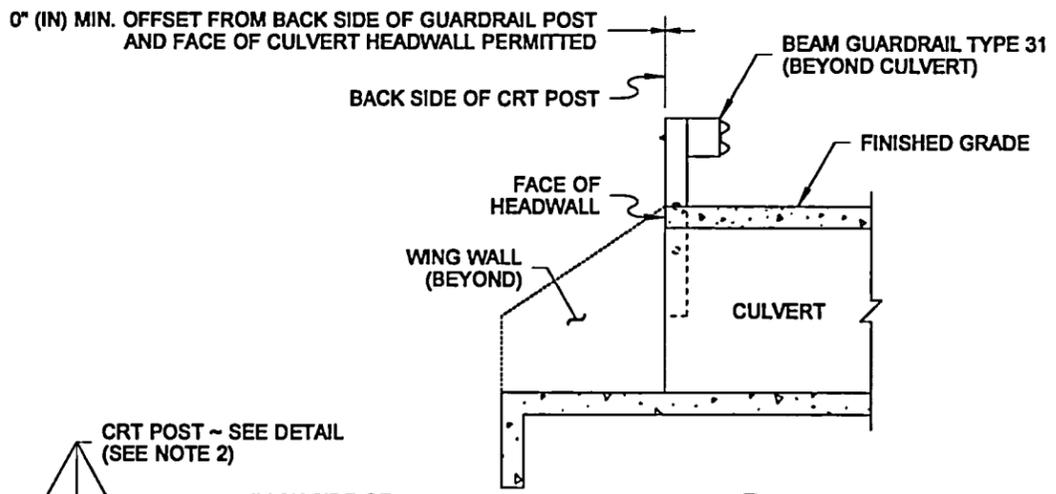
PLAN VIEW

NOTES

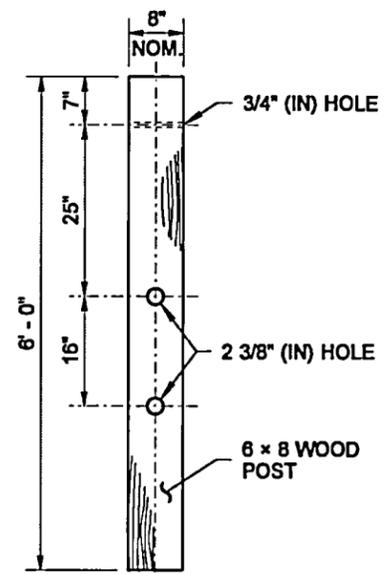
1. For additional details not shown on this plan, refer to **Standard Plan C-20.10**.
2. CRT post to be wood only.
3. For additional details not shown, see **Standard Plan C-1b**.



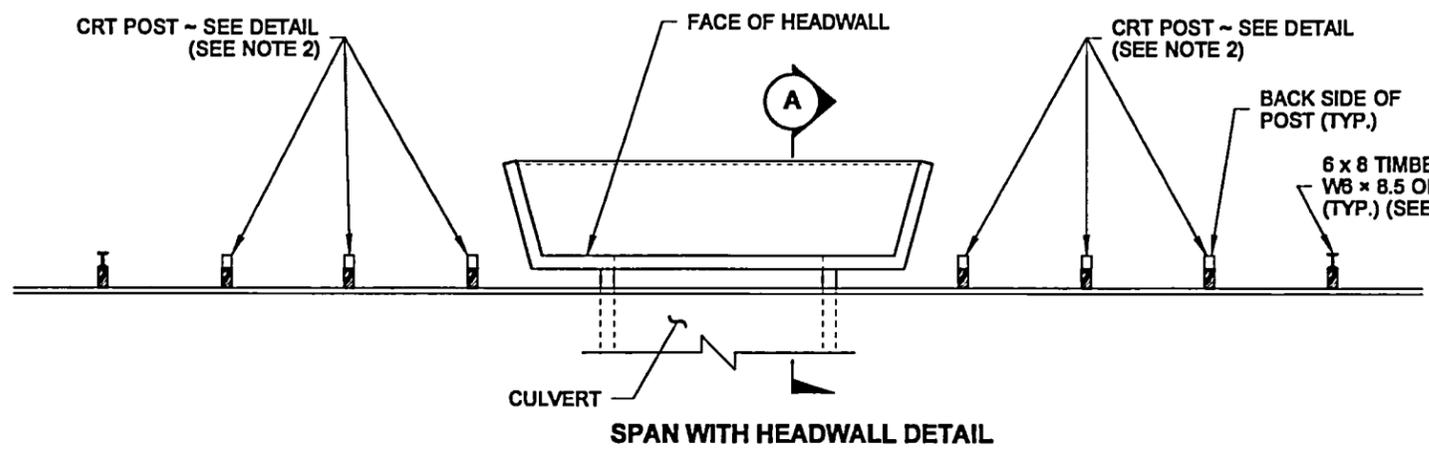
ELEVATION VIEW



SECTION A



CONTROLLED RELEASING TERMINAL (CRT) POST DETAIL



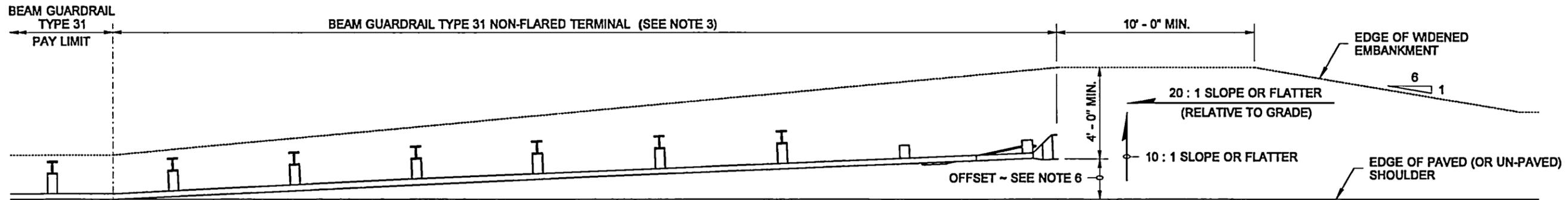
SPAN WITH HEADWALL DETAIL



Jeff Peterson  
**BEAM GUARDRAIL TYPE 31  
 PLACEMENT 12' - 6", 18' - 9",  
 OR 25' - 0" SPAN**  
**STANDARD PLAN C-20.40-06**

SHEET 1 OF 1 SHEET

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 Jul 21 2017 8:27 AM  
 STATE DESIGN ENGINEER  
 Washington State Department of Transportation

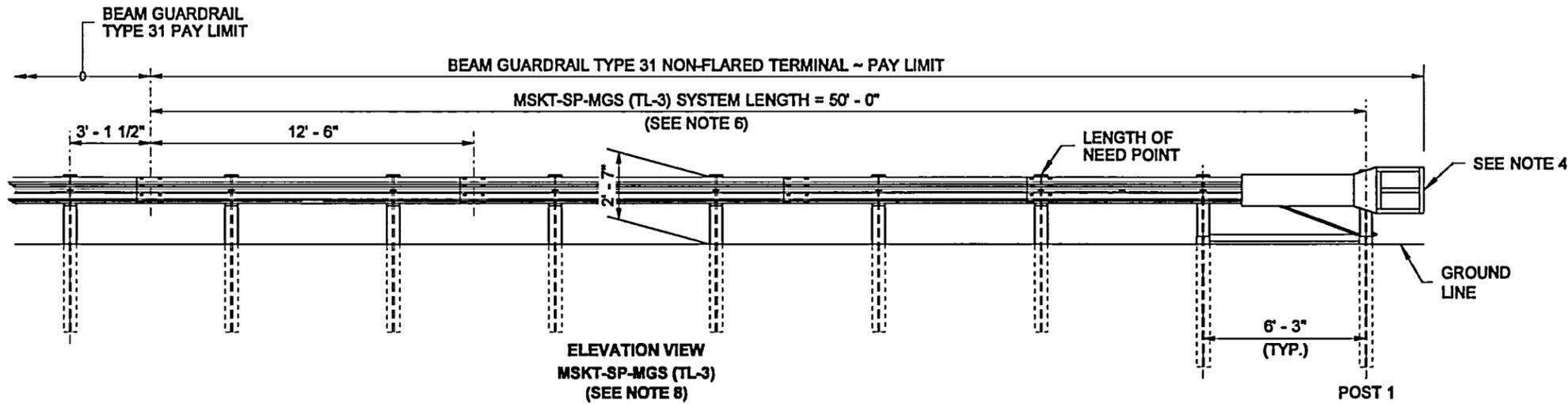


**PLAN VIEW**  
MSKT-SP-MGS (TL-3) SHOWN

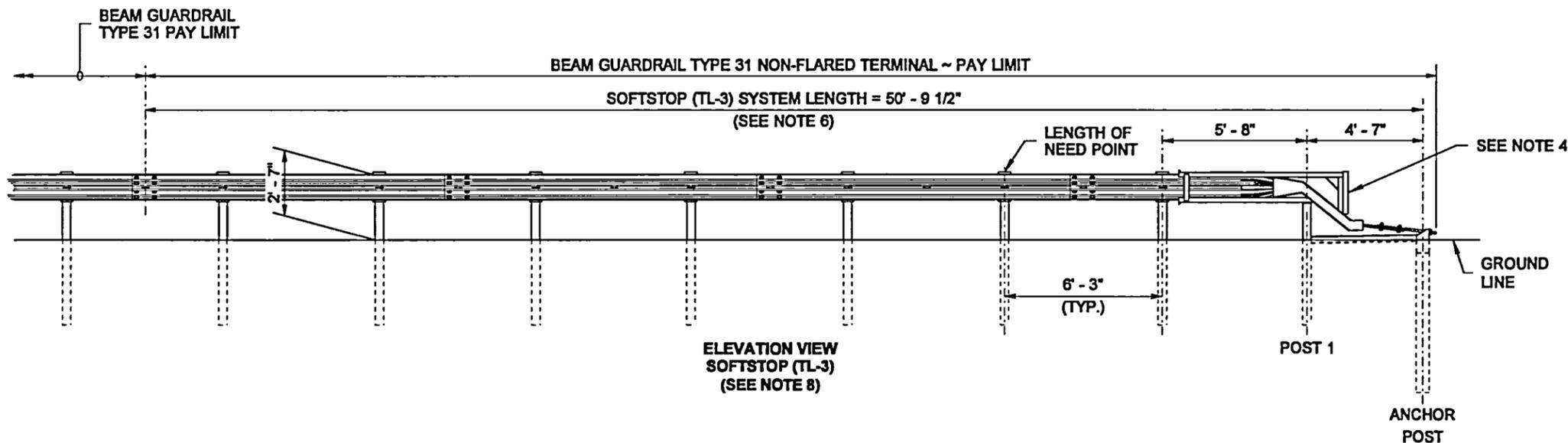
**NOTES**

1. The Implementation of the Manual for Assessment of Safety Hardware (MASH) criteria may result in the acceptance of guardrail terminal systems currently not shown on this plan. Non-Flared terminals shall be selected from the WSDOT Qualified Products List (QPL) or approved through the WSDOT Request for Approval of Materials (RAM) process.
2. This terminal is MASH compliant at Test Level Three (TL-3) and may be used for all posted speeds.
3. An MSKT-SP-MGS (TL-3) as manufactured by Road Systems, Inc. or SOFTSTOP (TL-3) as manufactured by Trinity Highway Products, LLC shall be installed according to manufacturer's recommendations.
4. A reflectorized object marker shall be installed according to manufacturer's recommendations.
5. When snow load post washers and snow load rail washers are required by the Contract, the snow load rail washers shall not be installed within the terminal limits.
6. Terminal shall be installed at a widening, ensuring the end piece is entirely off the shoulder. While this terminal does not require an offset at the end, a taper is recommended. For the MSKT-SP-MGS (TL-3), a maximum taper of 25 : 1 or flatter over the length of the terminal is allowed with a maximum offset of 24" (in) over 50' (ft).

DRAWN BY: BILL BERENS



**ELEVATION VIEW**  
MSKT-SP-MGS (TL-3)  
(SEE NOTE 8)



**ELEVATION VIEW**  
SOFTSTOP (TL-3)  
(SEE NOTE 8)

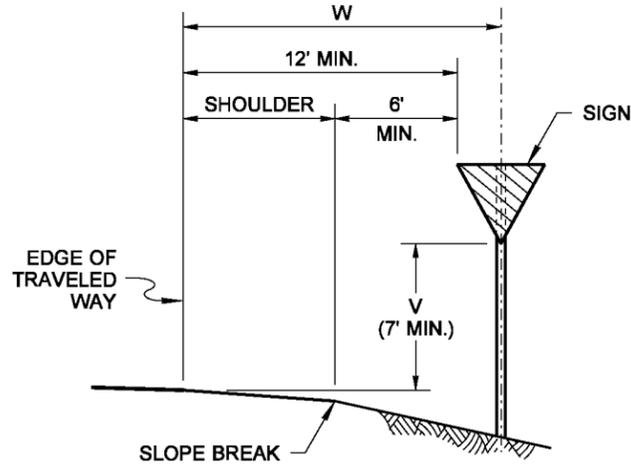
7. For terminal details, see WSDOT approved manufacturer's drawings.
8. These terminals are supplied with steel posts only. They can be used with beam guardrail Type 31 runs composed of steel or wood guardrail posts.



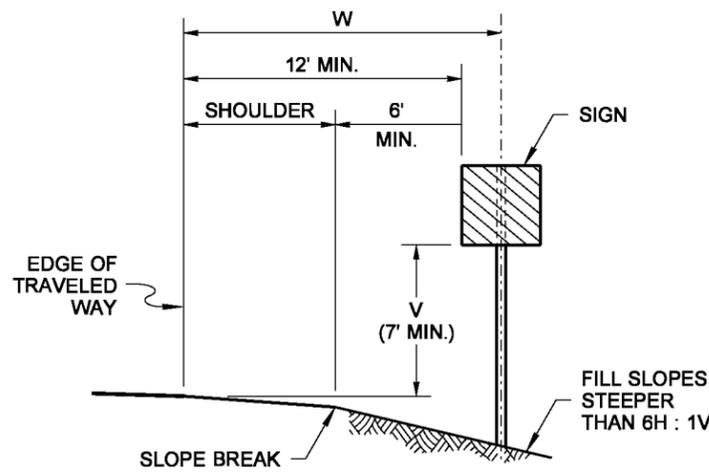
Peterson, Jeff (HQ Design)  
Jul 6 2017 3:13 PM  
**BEAM GUARDRAIL TYPE 31  
NON-FLARED TERMINAL  
(ALL POSTED SPEEDS)  
STANDARD PLAN C-22.40-06**

SHEET 1 OF 1 SHEET

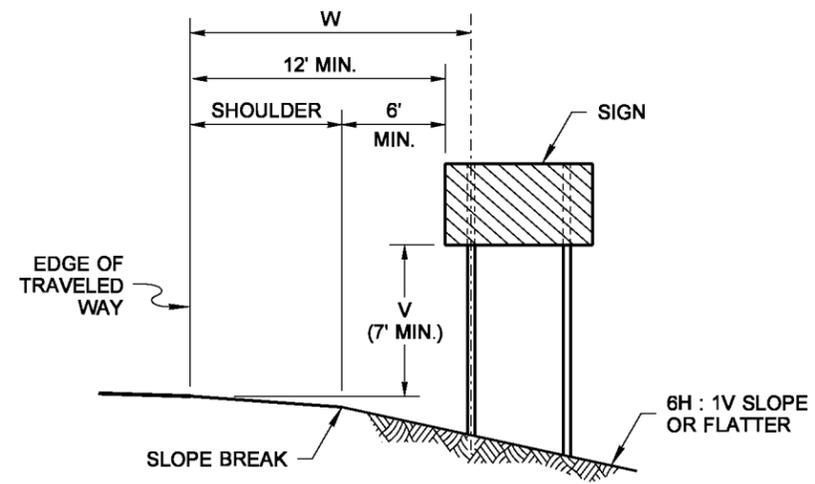
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Jul 21 2017 8:26 AM  
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**SIGN INSTALLATION  
IN FILL SECTION**

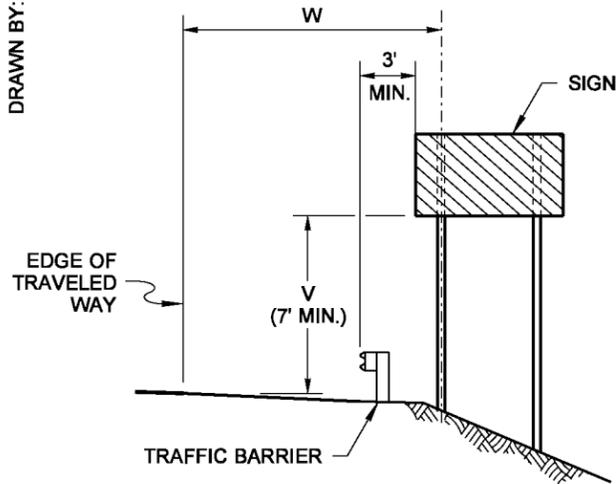


**SIGN INSTALLATION  
ON STEEP FILL SLOPES**

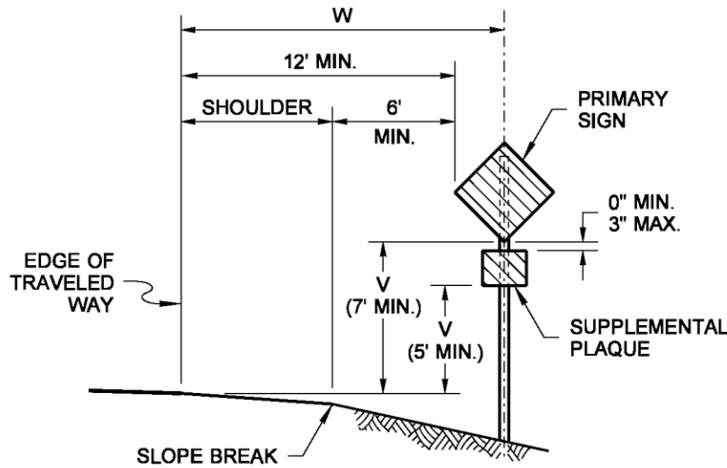


**MULTIPLE SIGN POST INSTALLATION  
IN FILL SECTION**

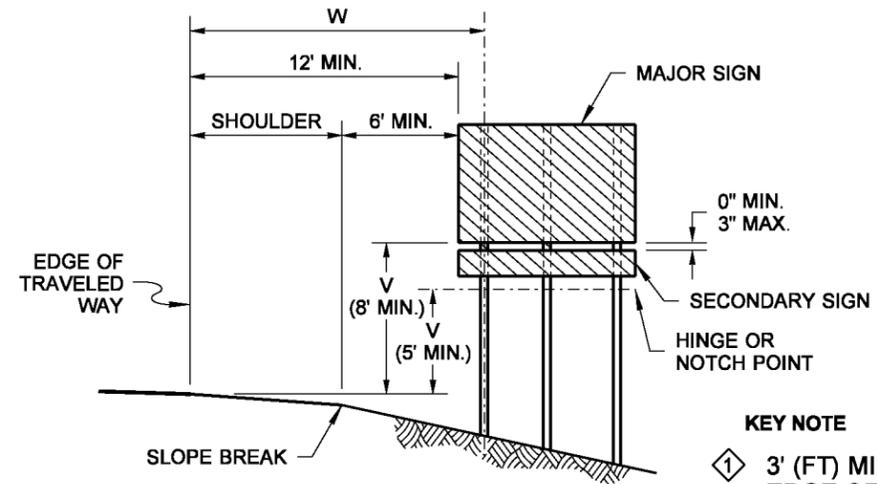
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**SIGN INSTALLATION  
BEHIND TRAFFIC BARRIER**

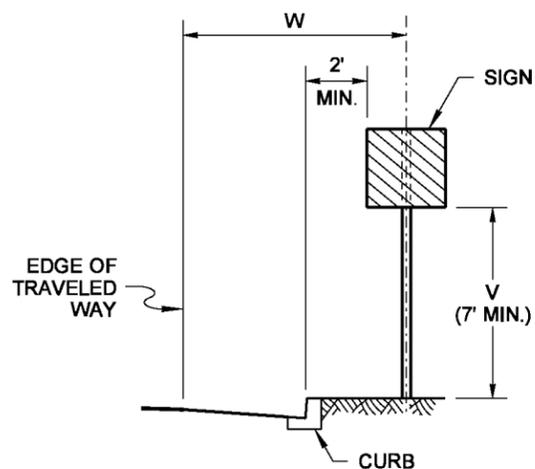


**SIGN WITH SUPPLEMENTAL  
PLAQUE INSTALLATION  
IN FILL SECTION**

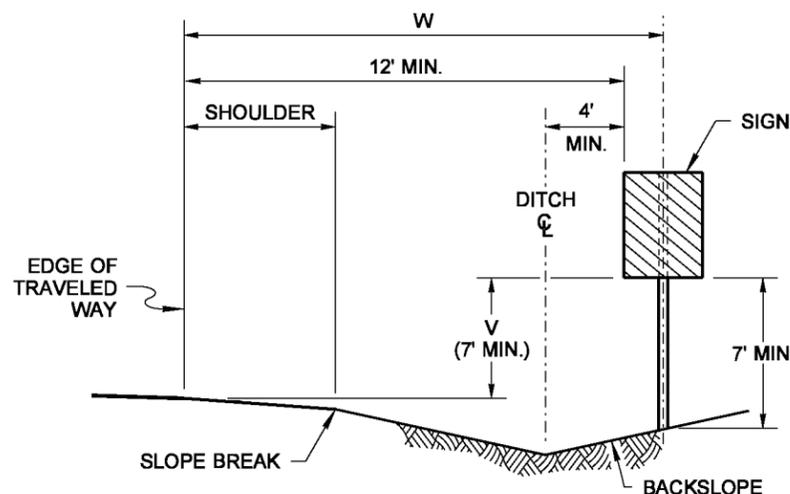


**GUIDE OR DIRECTIONAL SIGN WITH  
SECONDARY SIGN INSTALLATION ON  
EXPRESSWAYS AND FREEWAYS**

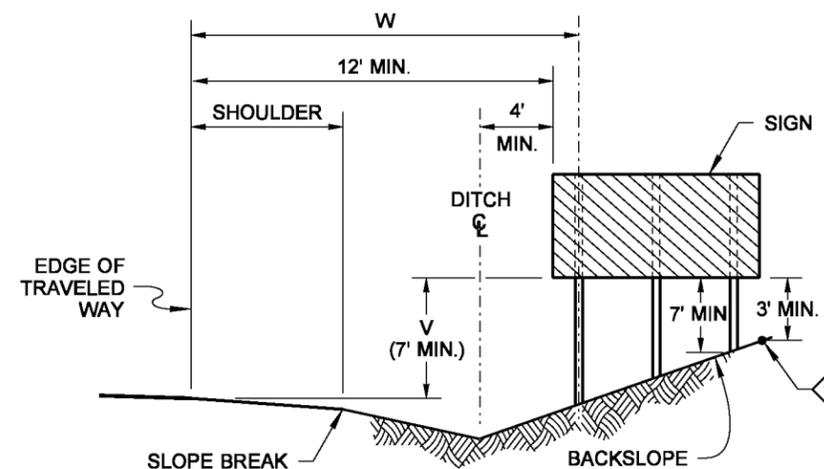
**KEY NOTE**  
① 3' (FT) MIN. FROM ANY POINT ALONG BOTTOM  
EDGE OF SIGN PANEL TO THE GROUND



**SIGN INSTALLATION  
IN CURB SECTION**



**SIGN INSTALLATION  
IN DITCH SECTION**



**MULTIPLE SIGN POST INSTALLATION  
IN DITCH SECTION**

**NOTES**

1. Refer to the Sign Specification Sheet of the Contract for the 'V' and 'W' distances.
2. The minimum vertical distance from the bottom of the sign to the ground shall not be less than 7' (ft) for signs located within the Design Clear Zone.



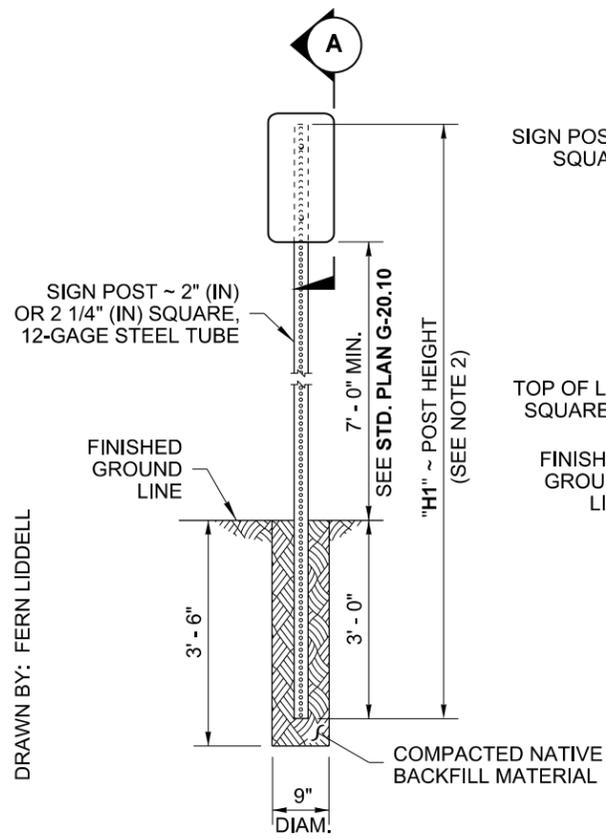
**GROUND-MOUNTED  
SIGN PLACEMENT  
STANDARD PLAN G-20.10-02**

SHEET 1 OF 1 SHEET

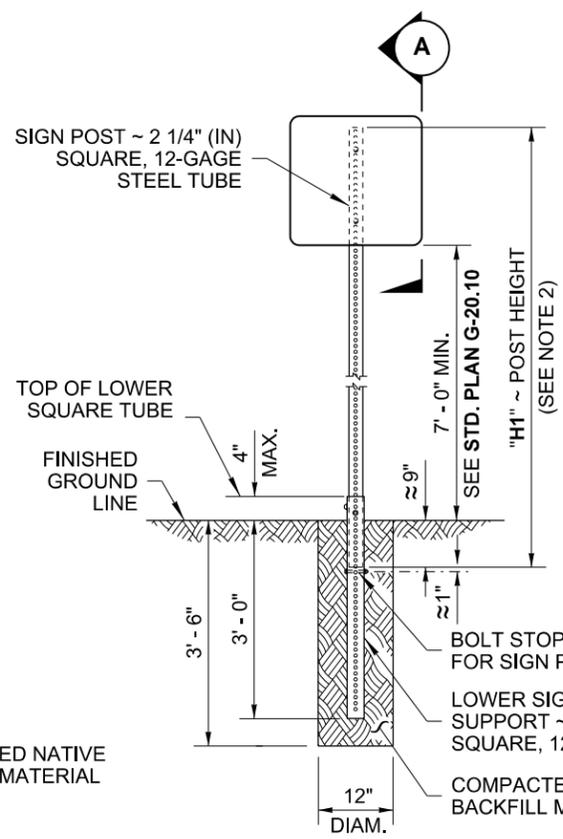
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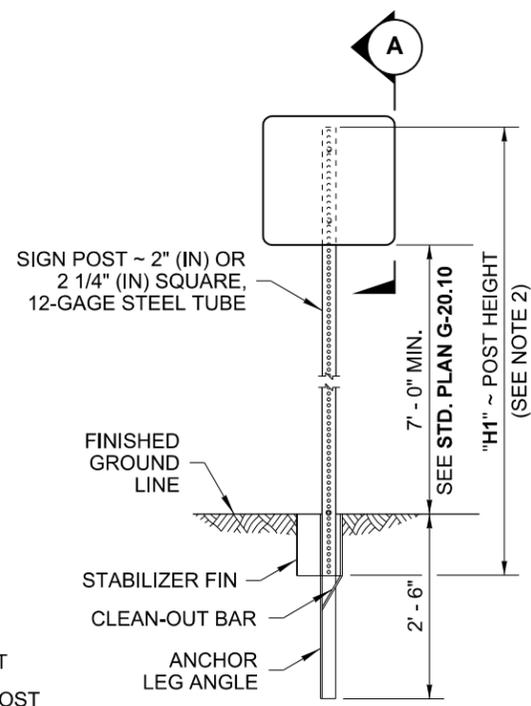
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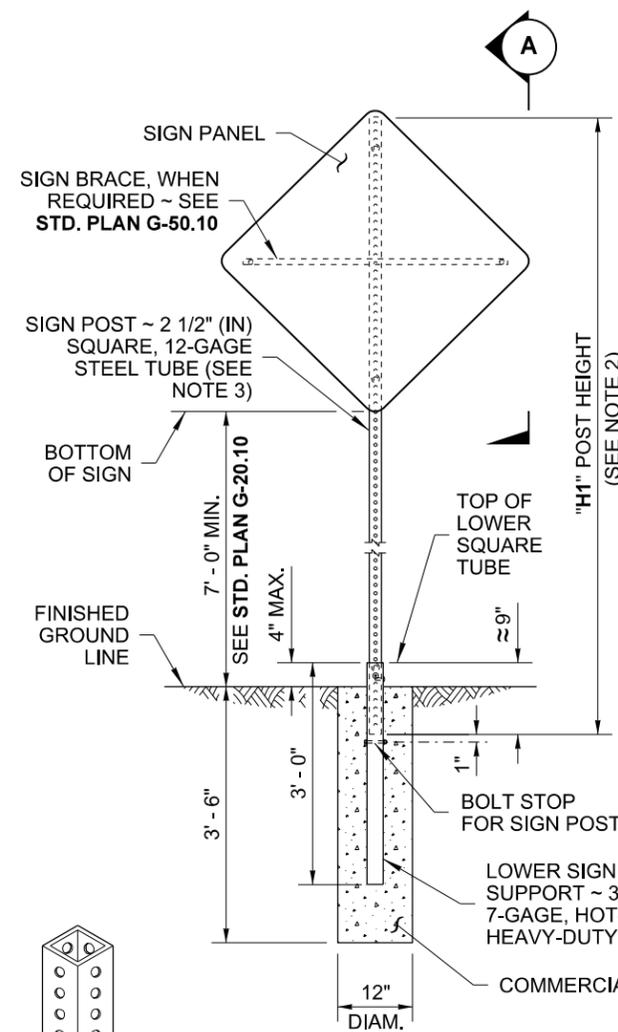
**ELEVATION**  
**TYPE ST-1 SIGN SUPPORT**



**ELEVATION**  
**TYPE ST-2 SIGN SUPPORT**



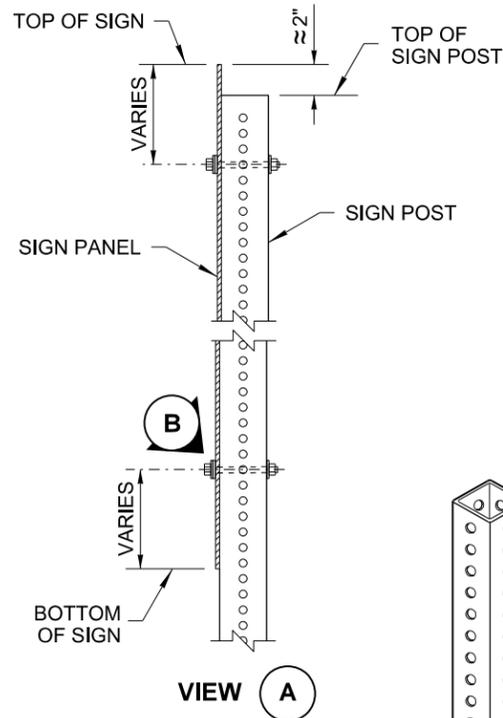
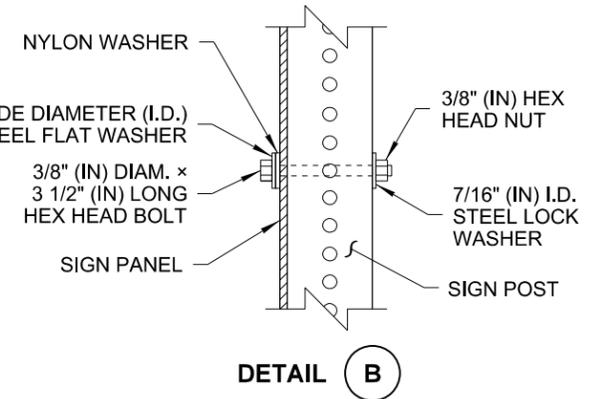
**ELEVATION**  
**TYPE ST-3 SIGN SUPPORT**



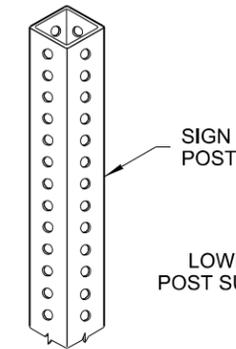
**ELEVATION**  
**TYPE ST-4 SIGN SUPPORT**

**NOTES**

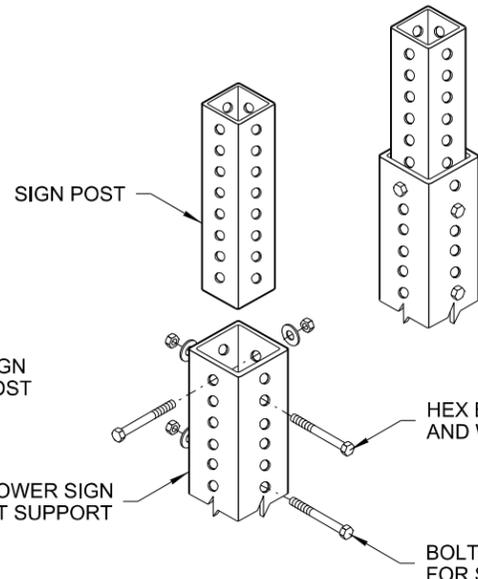
1. Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented, manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are shown on this plan only to illustrate how the parts are assembled.
2. For "H1", refer to the Sign Specification Sheet in the Contract.
3. A 2" (in) post with a 2 1/4" (in) PSST anchor or a 2 1/4" (in) post with a 2 1/2" (in) PSST anchor may be substituted. See Contract Plans.
4. Perforated square steel post shall meet the requirements of **Standard Specification 9-06**.
5. Use only base connection manufacturer supplied hardware that meets the requirements of **Standard Specifications 9-06** and **9-28**.



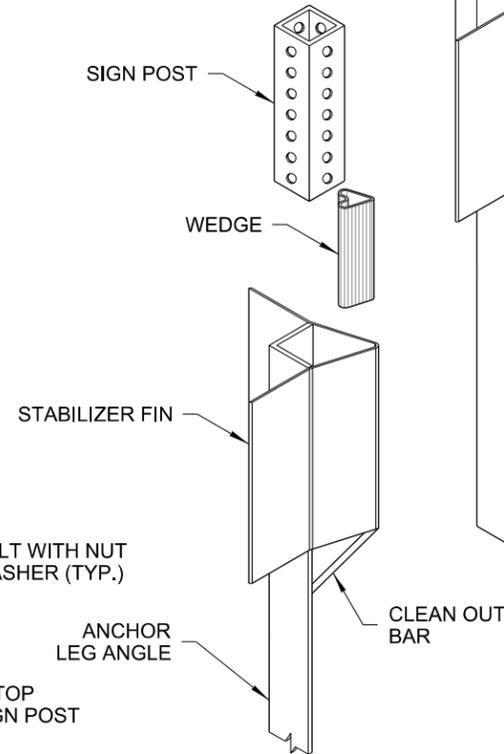
**VIEW A**



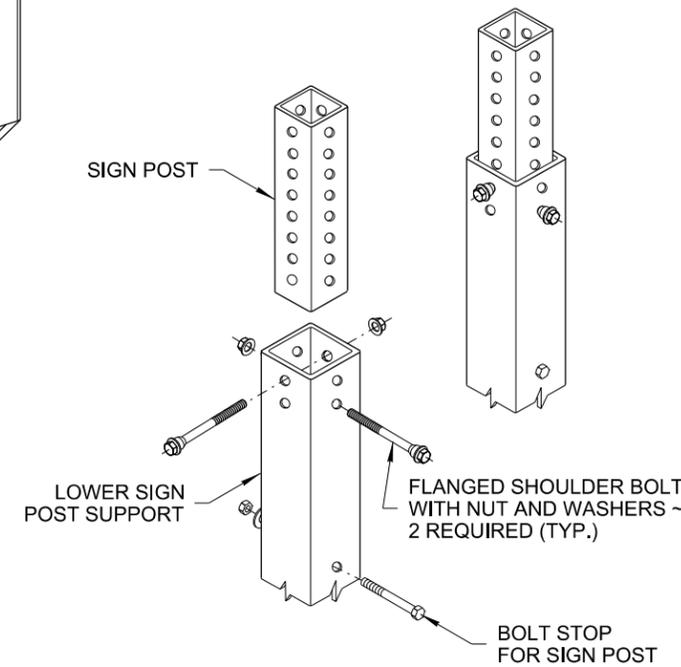
**TYPE ST-1**



**TYPE ST-2**



**TYPE ST-3**



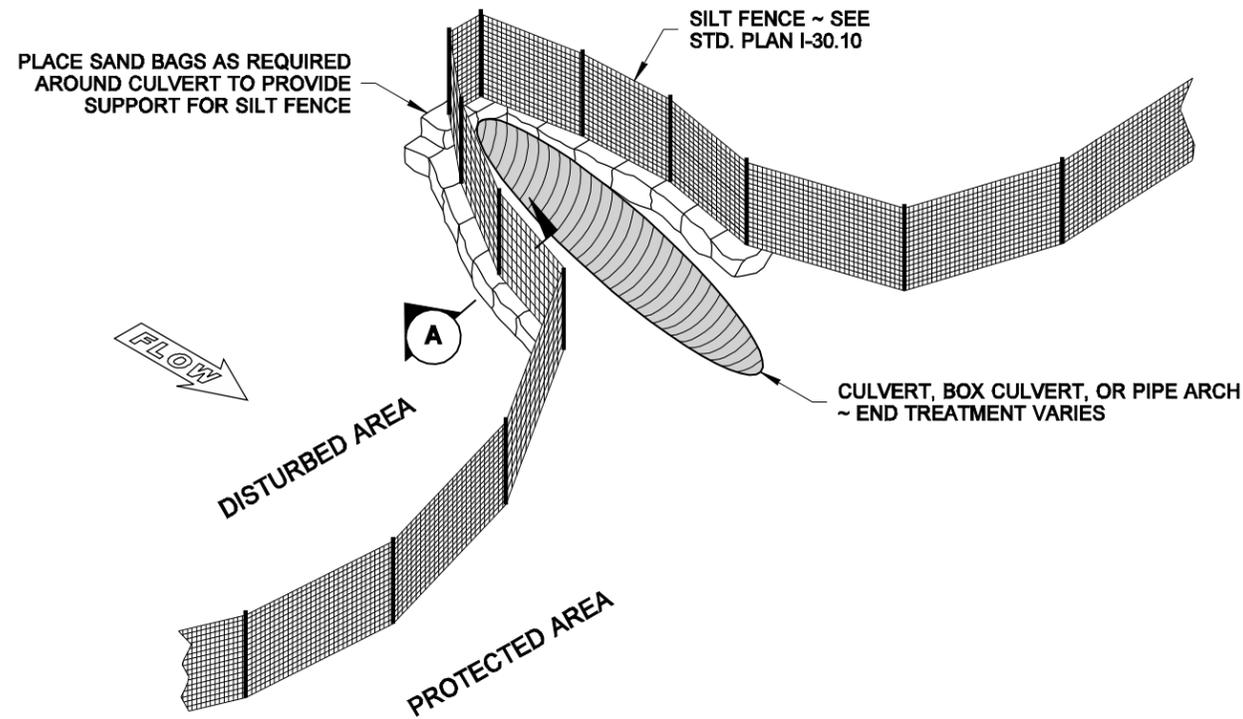
**TYPE ST-4**



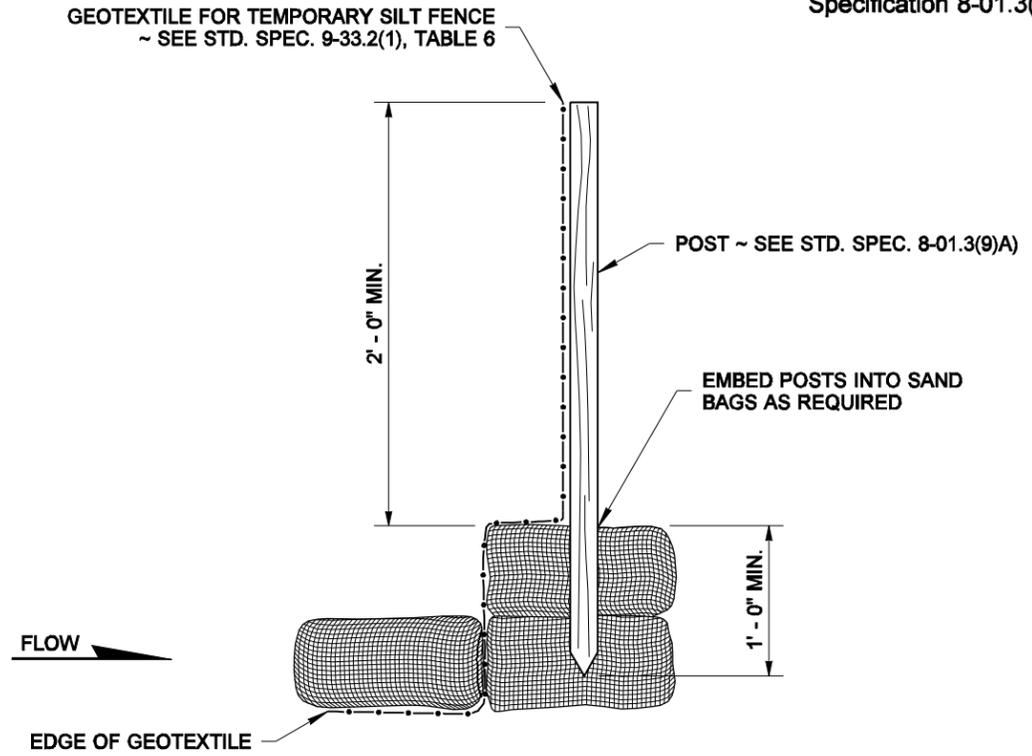
**STEEL SIGN SUPPORT  
TYPES ST-1 - ST-4  
INSTALLATION DETAILS  
STANDARD PLAN G-24.50-04**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION



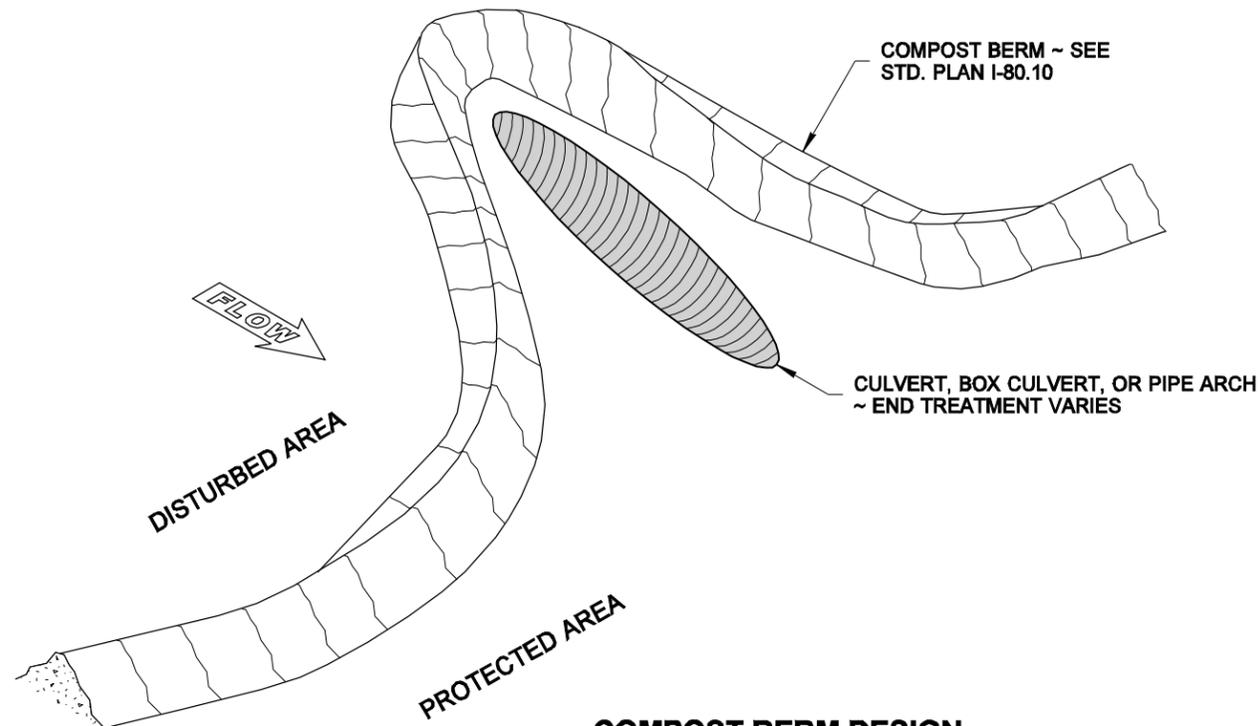
**SILT FENCE DESIGN**



**SECTION A**

**NOTE**

Perform maintenance in accordance with Standard Specification 8-01.3(9)A and 8-01.3(15).



**COMPOST BERM DESIGN**



STATE OF WASHINGTON  
REGISTERED  
LANDSCAPE ARCHITECT

MARK W. MAURER  
CERTIFICATE NO. 000598

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**EROSION CONTROL  
AT CULVERT ENDS  
STANDARD PLAN I-30.20-00**

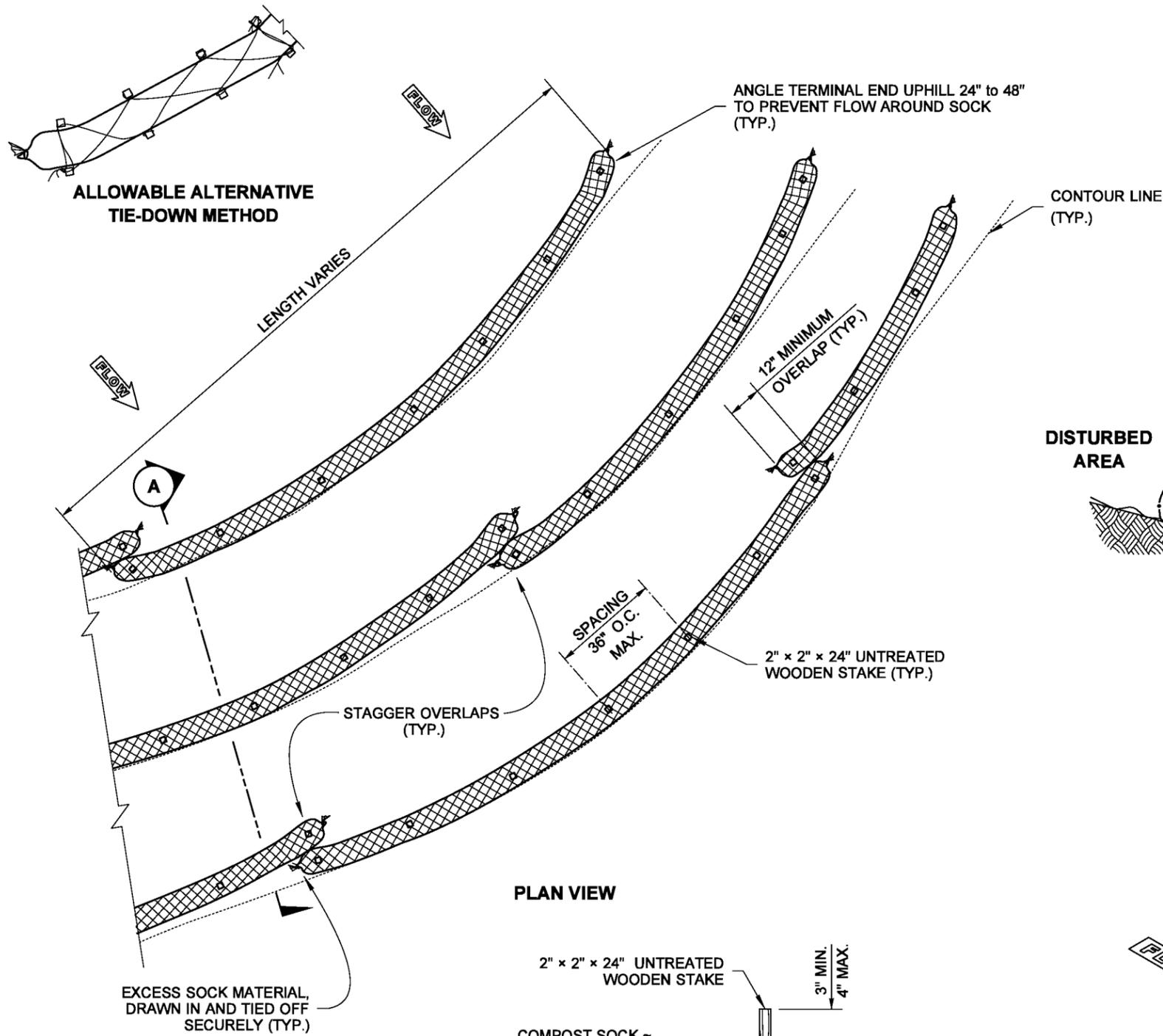
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

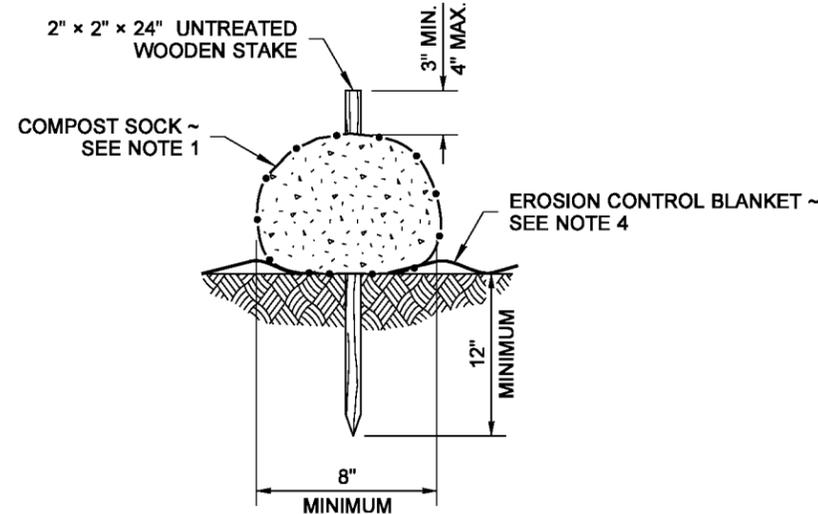
**Pasco Bakotich III** 09-20-07  
STATE DESIGN ENGINEER DATE



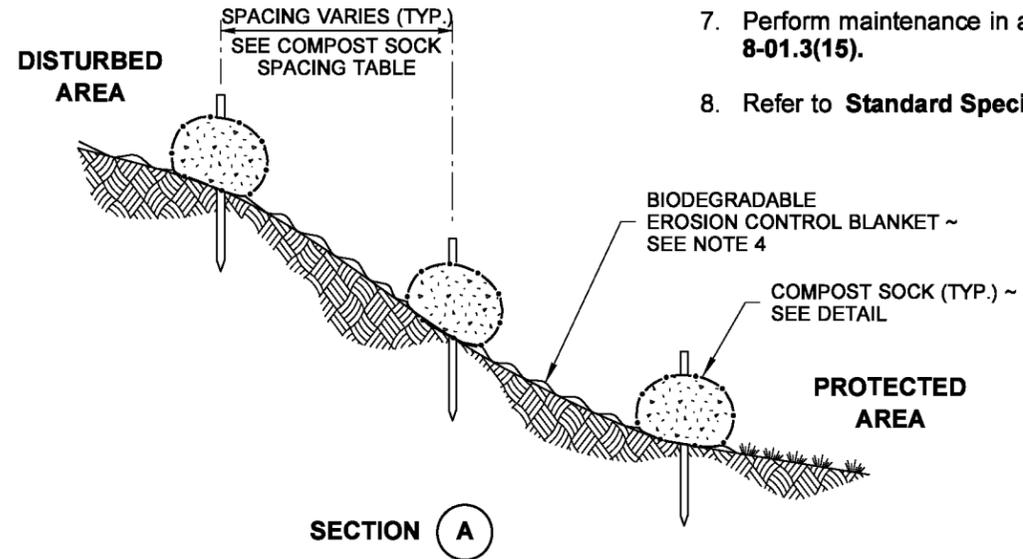
DRAWN BY: FERN LIDDELL



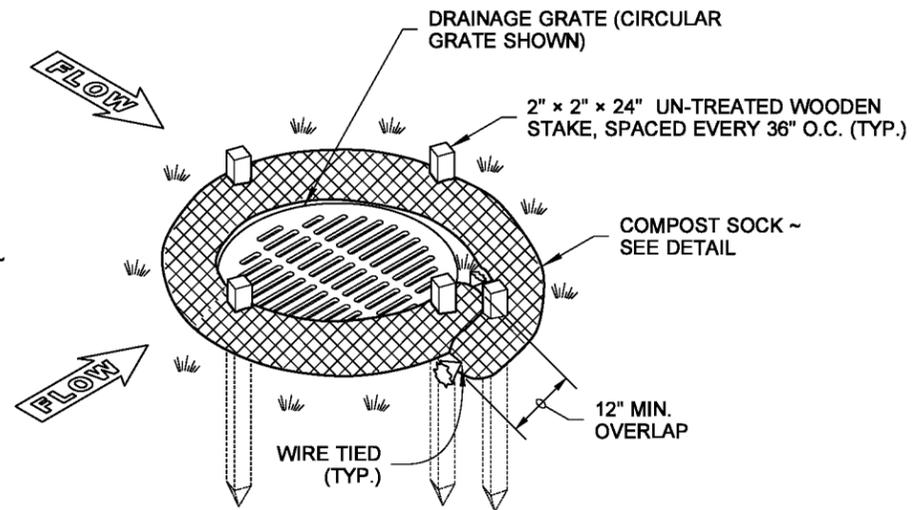
**PLAN VIEW**



**COMPOST SOCK DETAIL**



**SECTION A**



**ISOMETRIC VIEW  
CATCH BASIN INSTALLATION**

**NOTES**

1. Compost Sock shall be in accordance with **Standard Specification 9-14.5(6)**.
2. Securely knot each end of Compost Sock. Overlap adjacent Compost Sock ends 12" behind one another and securely tie together.
3. Compost to be dispersed on site as determined by the Engineer, when vegetation covers the surface.
4. If Erosion Control Blanket is specified, place Compost Sock on top of blanket. See **Standard Plan I-60.10**.
5. Install Compost Sock perpendicular to flow along contours.
6. Remove sediment from the up slope side of the Compost Sock when accumulation has reached 1/2 of the effective height of the Compost Sock.
7. Perform maintenance in accordance with **Standard Specification 8-01.3(15)**.
8. Refer to **Standard Specification 8-01.3(16)** for removal.

8" DIAMETER COMPOST SOCK SPACING TABLE	
SLOPE	MAXIMUM SPACING
1H : 1V	10' - 0"
2H : 1V	20' - 0"
3H : 1V	30' - 0"
4H : 1V	40' - 0"



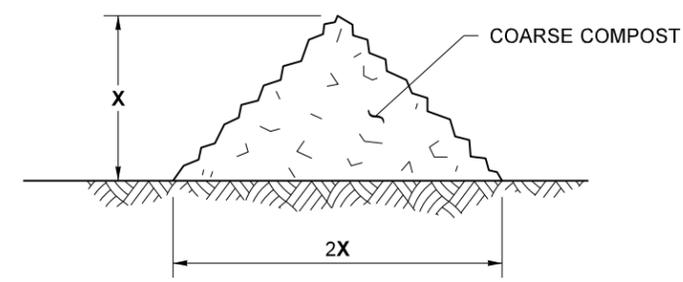
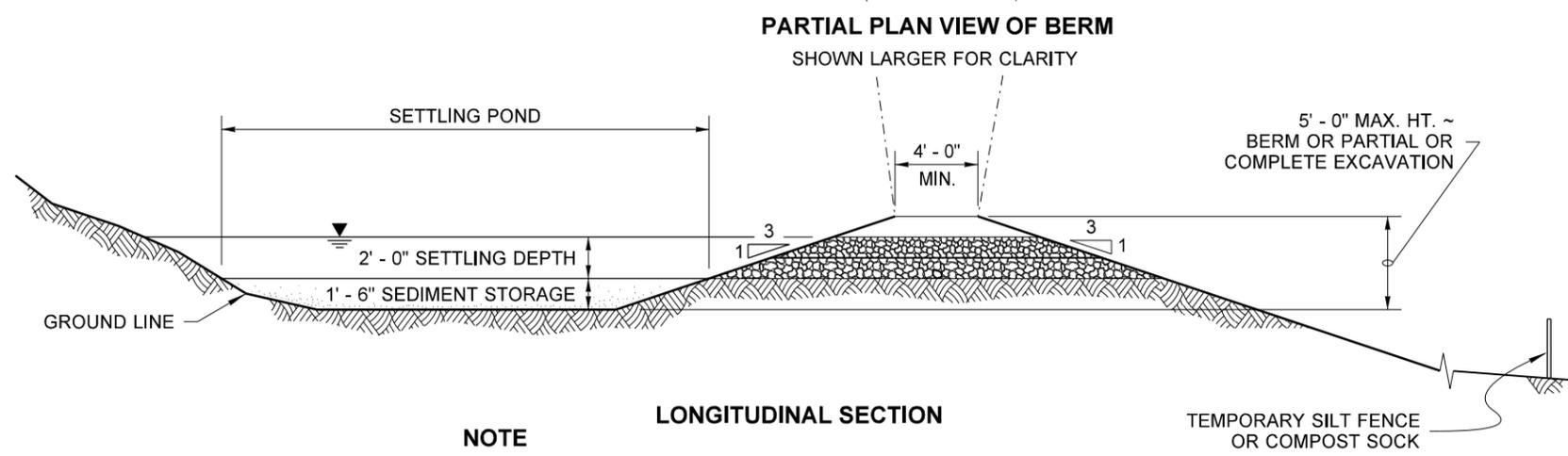
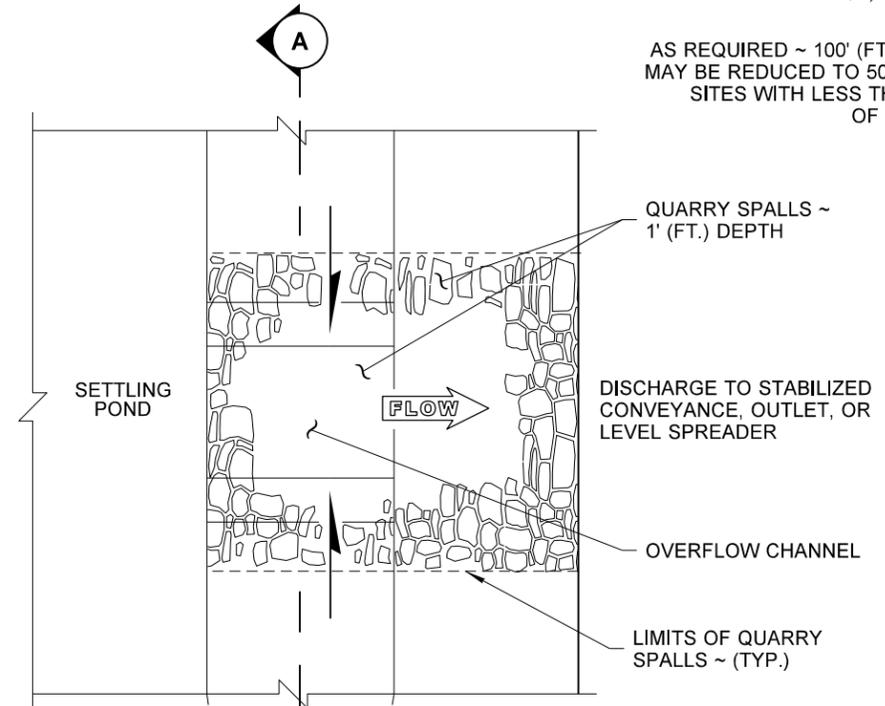
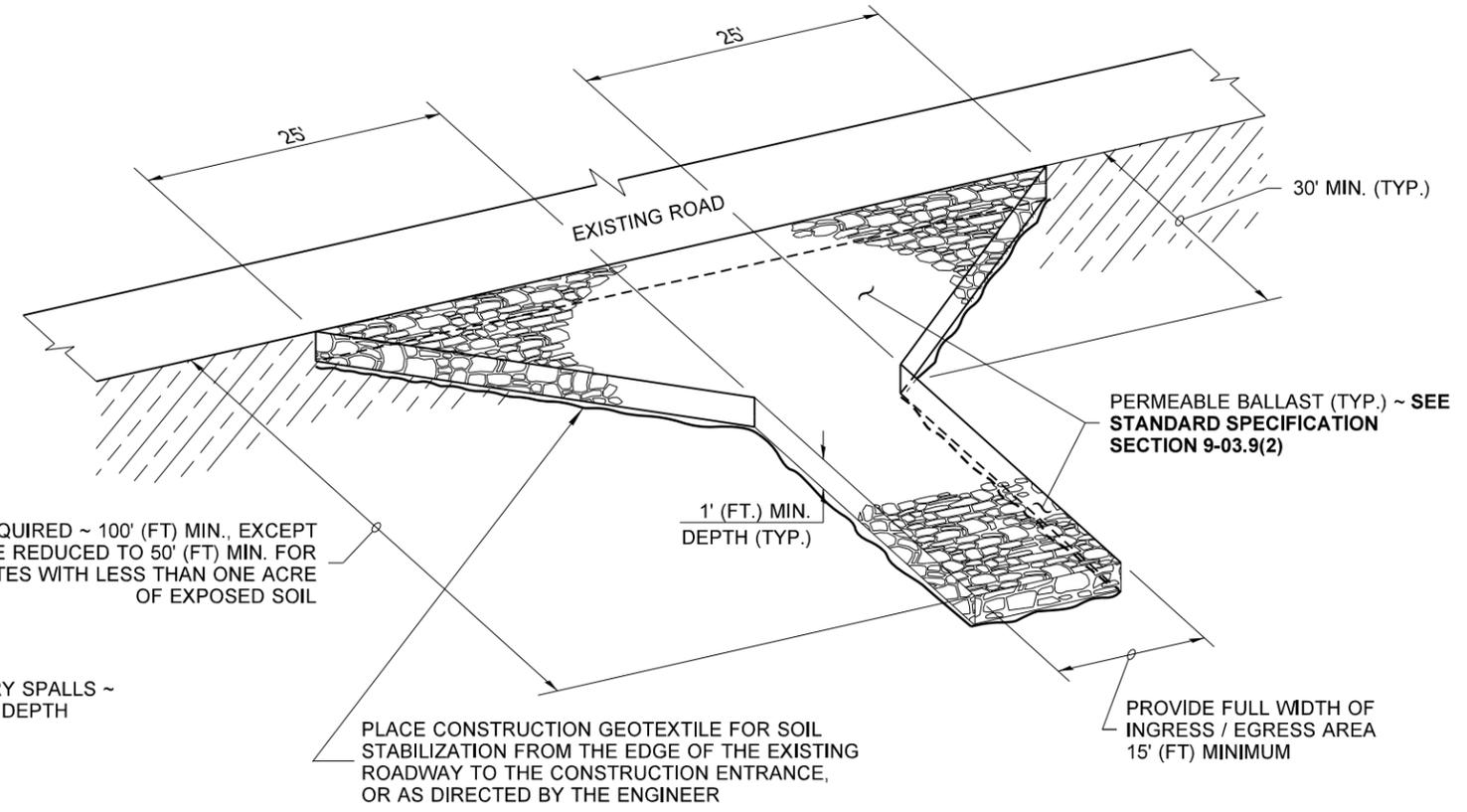
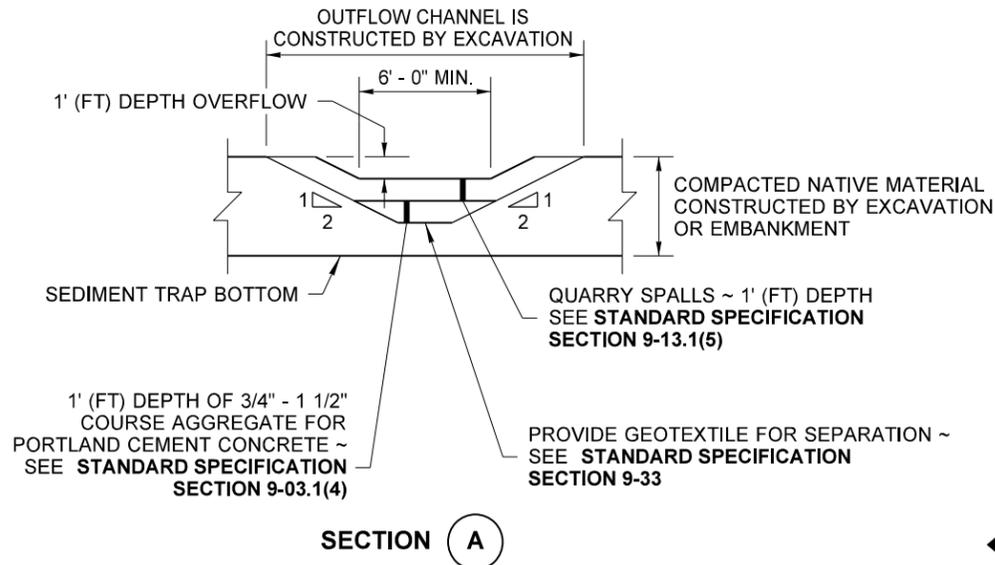
STATE OF  
WASHINGTON  
REGISTERED  
LANDSCAPE ARCHITECT  
  
Sandra L. Salisbury  
SANDRA L. SALISBURY  
LICENSE NO. 860  
DATE: June 6, 2013

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**COMPOST SOCK**  
**STANDARD PLAN I-30.40-01**  
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
**Pasco Bakotich III** 6/10/13  
STATE DESIGN ENGINEER DATE  
Washington State Department of Transportation

DRAWN BY: FERN LIDDELL



X = 1' - 0" FOR SLOPES 4H:1V OR FLATTER  
X = 1' - 6" FOR SLOPES STEEPER THAN 4H:1V

**TYPICAL SECTION**  
**COMPOST BERM DETAIL**

**NOTE**  
PLACE GEOTEXTILE UNDER THE SPILLWAY AND SIDE SLOPES. PROVIDE A CONTINUOUS LAYER BETWEEN THE GRAVEL/ROCK AND THE NATIVE EARTHEN MATERIAL.

**TEMPORARY SEDIMENT TRAP**



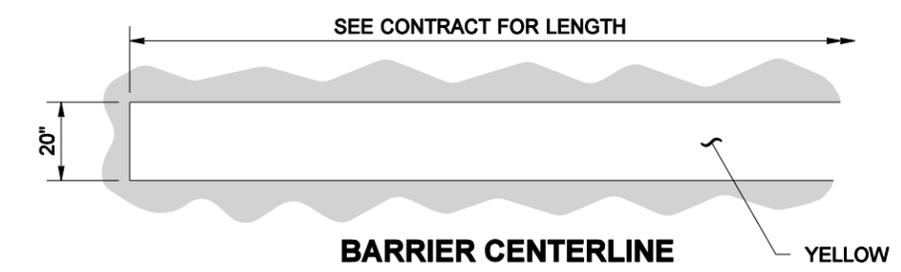
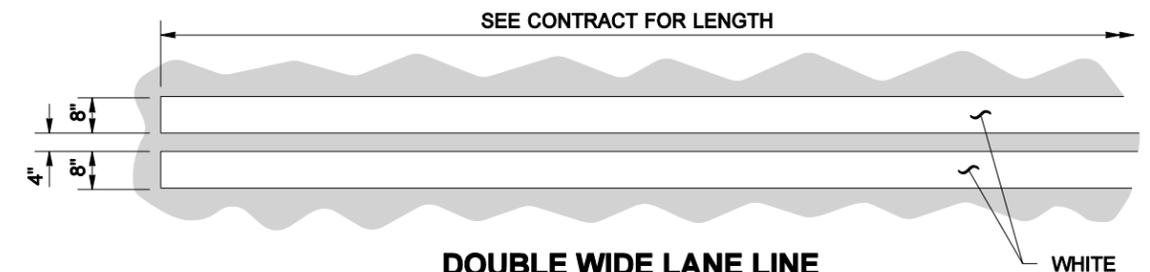
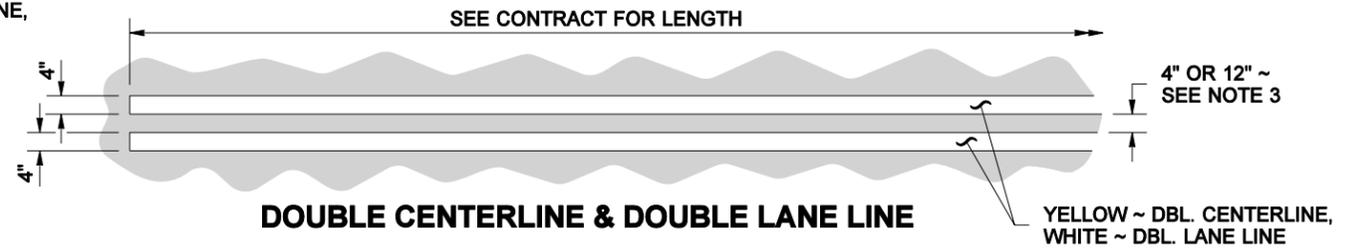
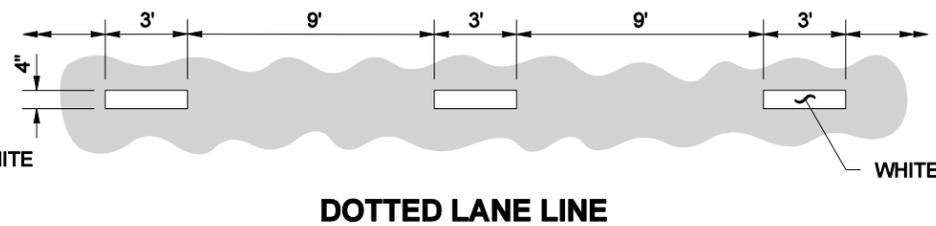
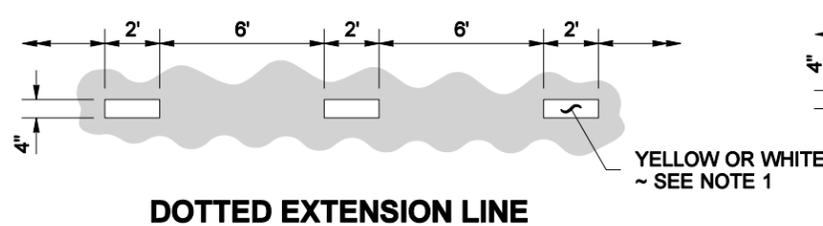
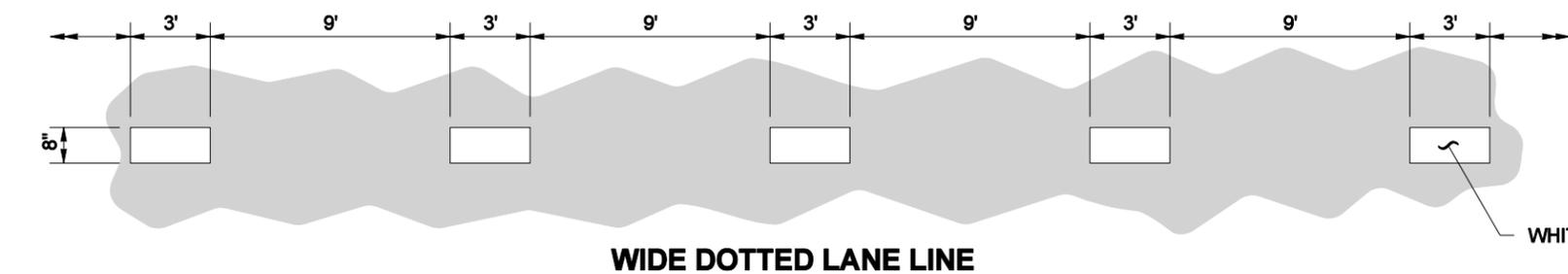
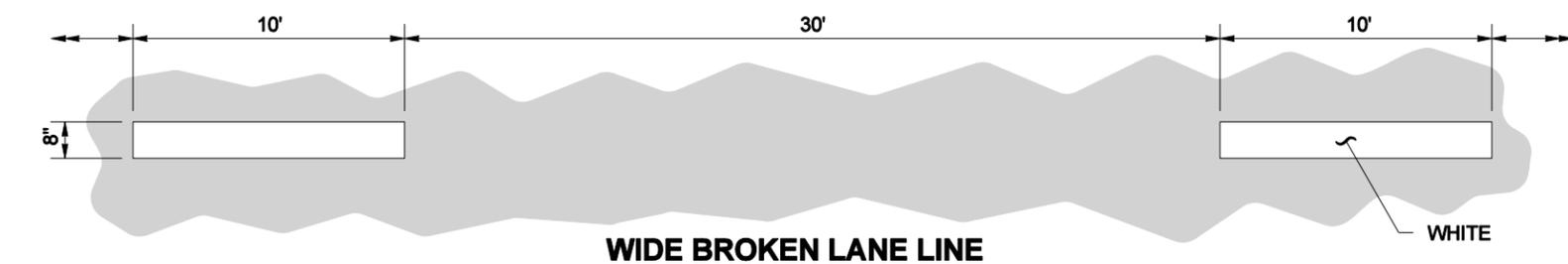
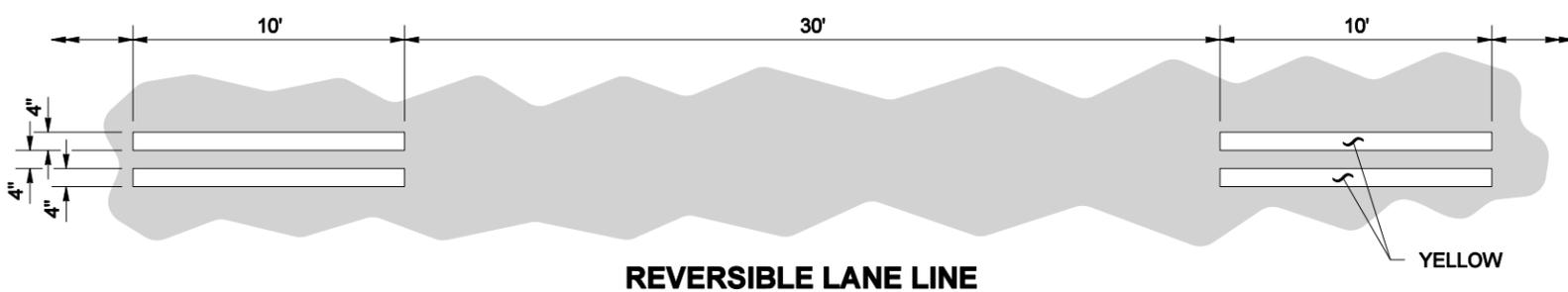
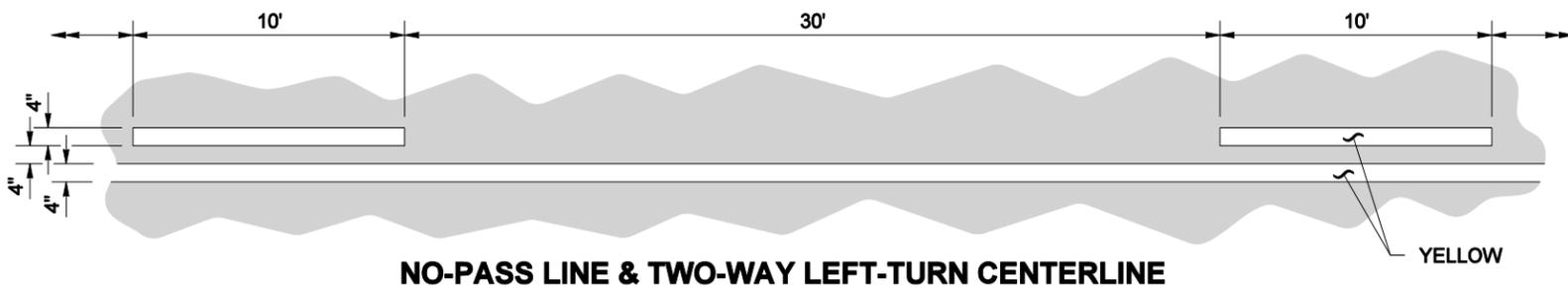
STATE OF WASHINGTON  
REGISTERED  
LANDSCAPE ARCHITECT  
  
JULI DEE HARTWIG  
LICENSE NO. 1422  
DATE: 06-21-17

**MISCELLANEOUS**  
**EROSION CONTROL DETAILS**  
**STANDARD PLAN I-80.10-02**

SHEET 1 OF 1 SHEET

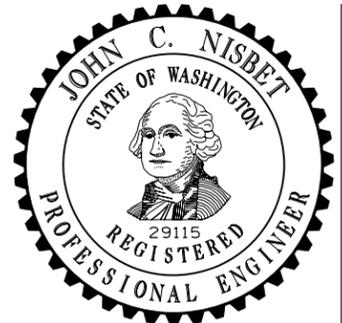
APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER  
Washington State Department of Transportation



**NOTES**

1. Dotted Extension Line shall be the same color as the line it is extending.
2. Edge Line shall be white on the right edge of traveled way, and yellow on the left edge of traveled way (on one-way roadways). Solid Lane Line shall be white.
3. The distance between the lines of the Double Centerline shall be 12" everywhere, except 4" for left-turn channelization and narrow roadways with lane widths of 10 feet or less. Local Agencies (on non-state routes) may specify a 4" distance for all locations.  
The distance between the lines of the Double Lane Line shall be 4".



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**LONGITUDINAL MARKING PATTERNS**

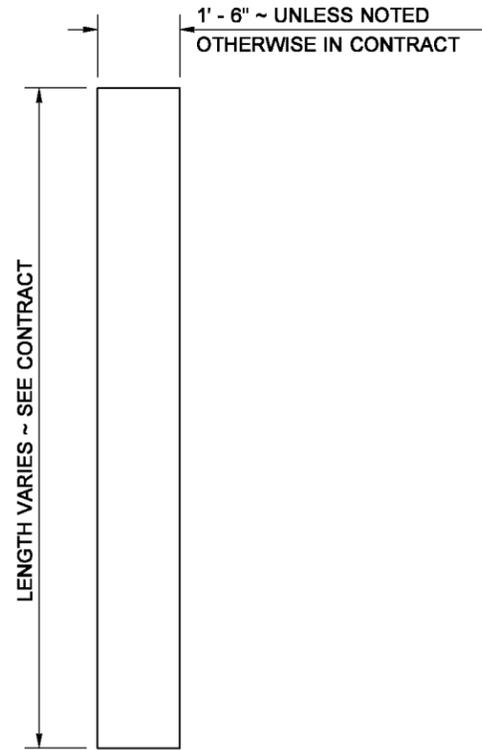
**STANDARD PLAN M-20.10-02**

SHEET 1 OF 1 SHEET

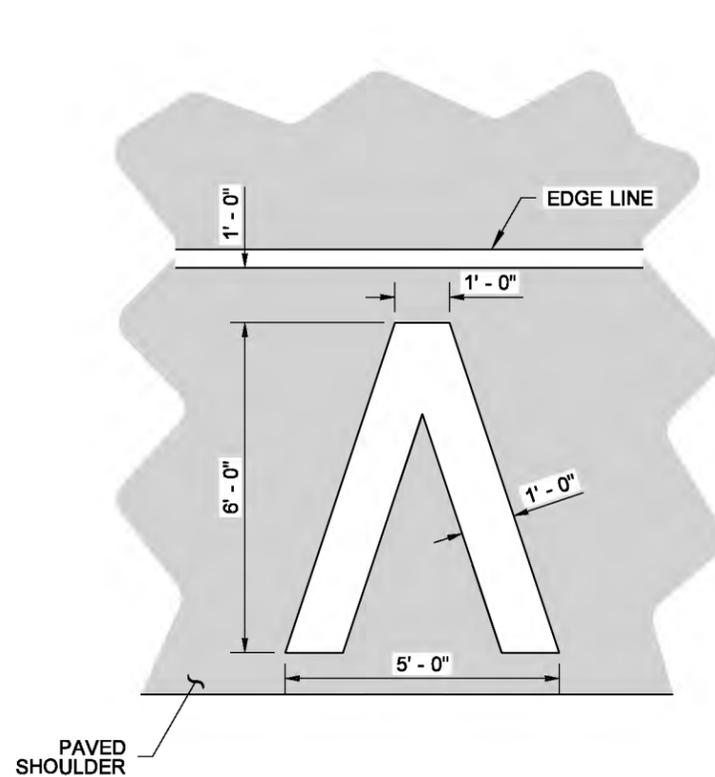
APPROVED FOR PUBLICATION

**Pasco Bakotich III** 06-03-11  
STATE DESIGN ENGINEER DATE

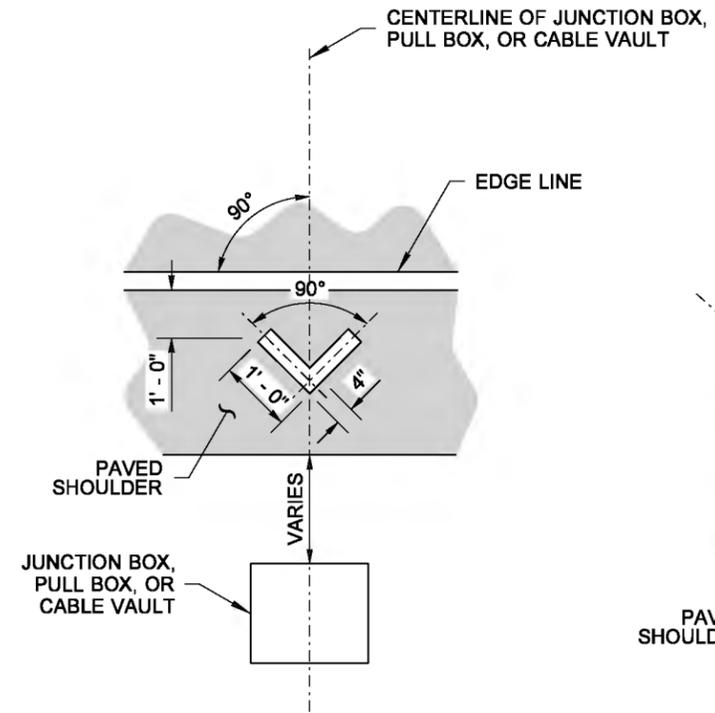




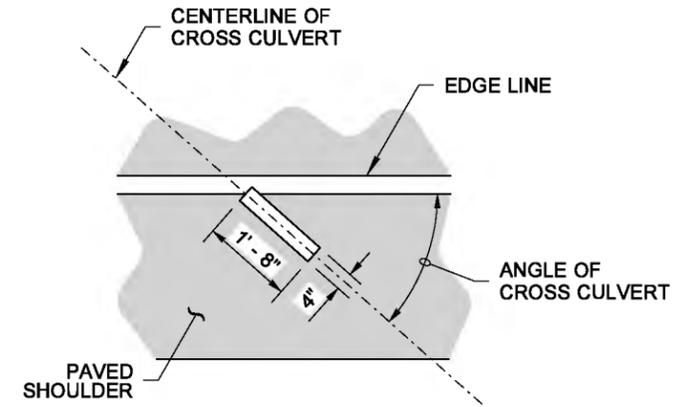
**STOP LINE**



MARKING AREA = 11.73 SQ.FT.  
**HALF-MILE MARKER**

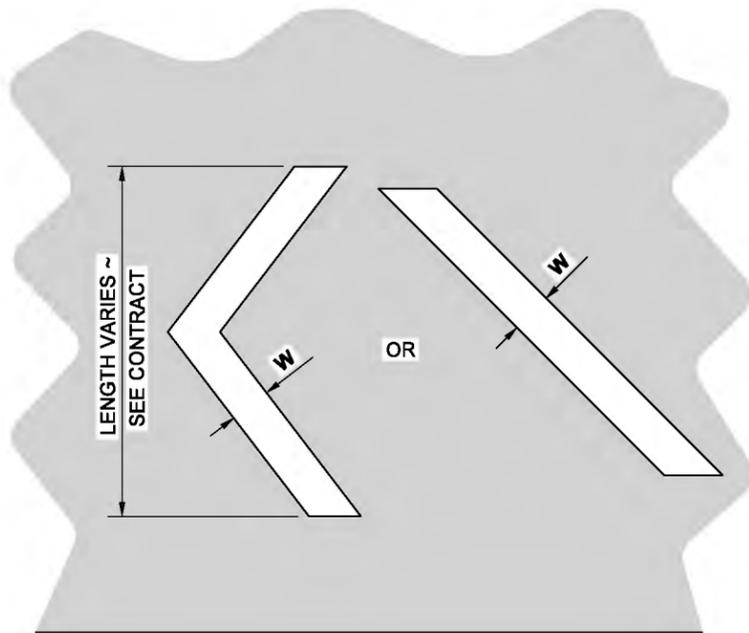


MARKING AREA = 0.56 SQ. FT.  
**JUNCTION BOX, PULL BOX, OR CABLE VAULT MARKINGS**



MARKING AREA = 0.56 SQ.FT.  
**CROSS CULVERT**

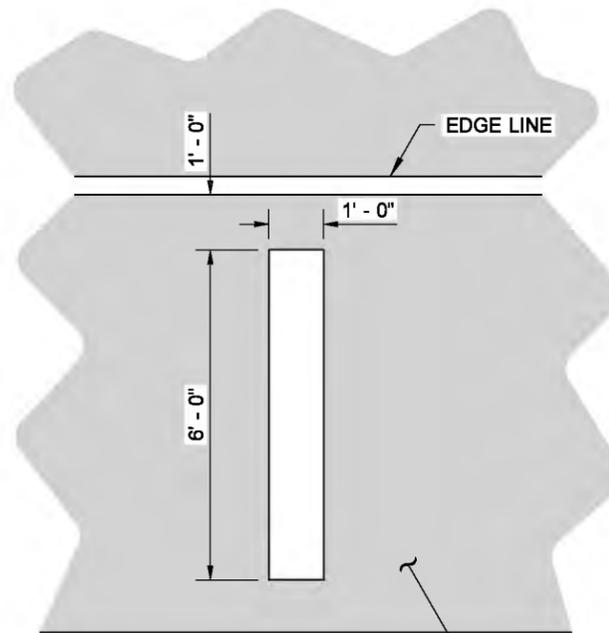
**DRAINAGE MARKING**



WHITE OR YELLOW ~ SEE CONTRACT  
**CHEVRON OR DIAGONAL**

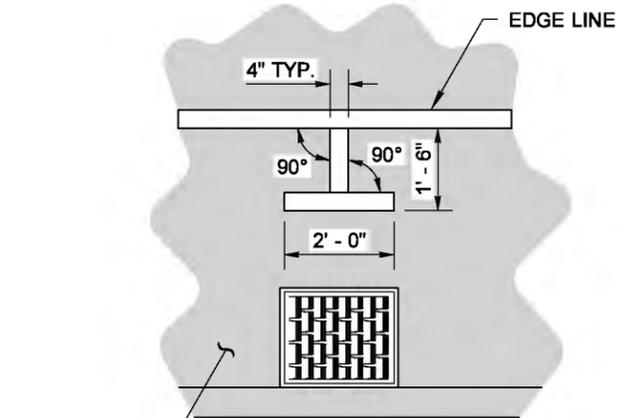
**CROSSHATCH MARKING**

W = 8" (IN) FOR POSTED SPEED LIMIT OF 40 MPH OR LOWER  
W = 12" (IN) FOR POSTED SPEED LIMIT OF 45 MPH OR HIGHER



MARKING AREA = 6.00 SQ.FT.  
**FULL MILE MARKER**

**AERIAL SURVEILLANCE MARKERS**



MARKING AREA = 1.06 SQ.FT.  
**DRAINAGE STRUCTURE INLET**

**DRAINAGE MARKING**

**NOTE**

1. If Rumble Strips are present, install marking outside of the Rumble Strip.

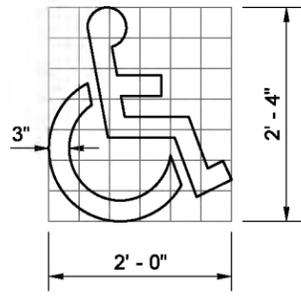


**SYMBOL MARKINGS  
MISCELLANEOUS**

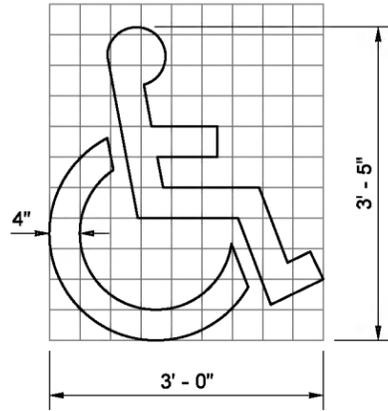
**STANDARD PLAN M-24.60-04**

SHEET 1 OF 2 SHEETS

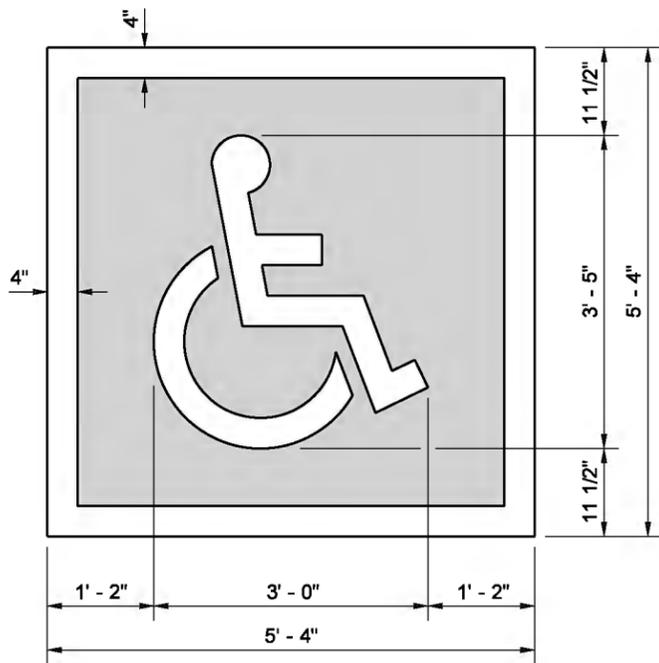
APPROVED FOR PUBLICATION



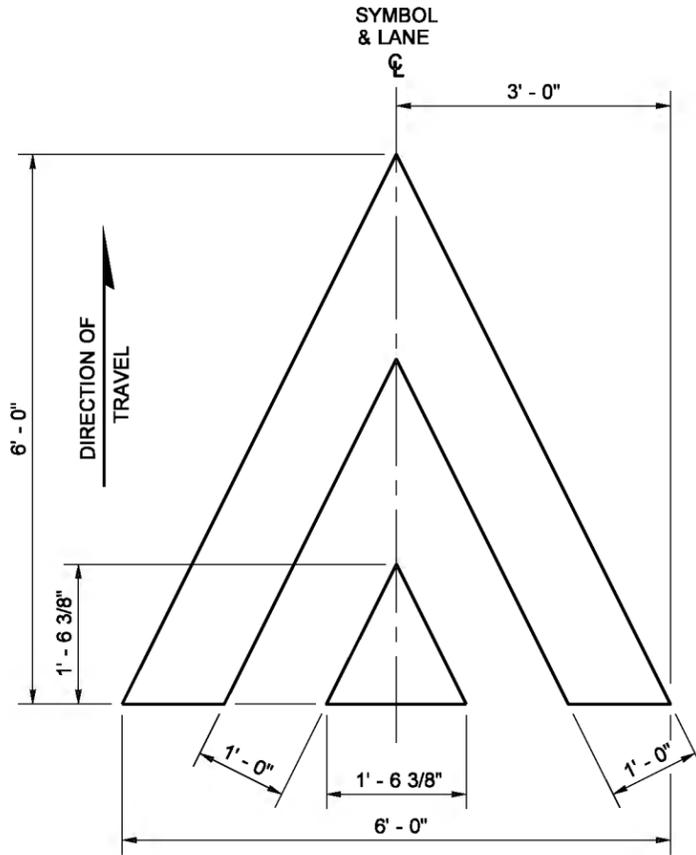
GRID IS 4" (IN) SQUARE MARKING AREA = 1.41 SQ.FT.  
**ACCESS PARKING SPACE SYMBOL (MINIMUM)**



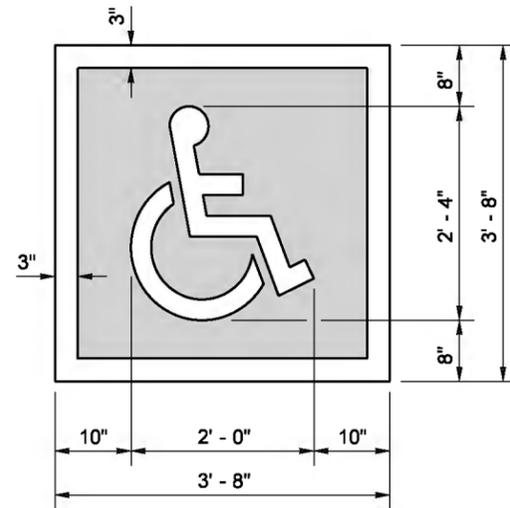
GRID IS 4" (IN) SQUARE MARKING AREA = 3.09 SQ.FT.  
**ACCESS PARKING SPACE SYMBOL (STANDARD)**



TOTAL MARKING AREA = 28.44 SQ.FT.  
 WHITE = 9.76 SQ.FT. BLUE = 18.69 SQ.FT.  
**ACCESS PARKING SPACE SYMBOL (STANDARD) WITH BLUE BACKGROUND AND WHITE BORDER (REQUIRED FOR CEMENT CONCRETE SURFACES)**



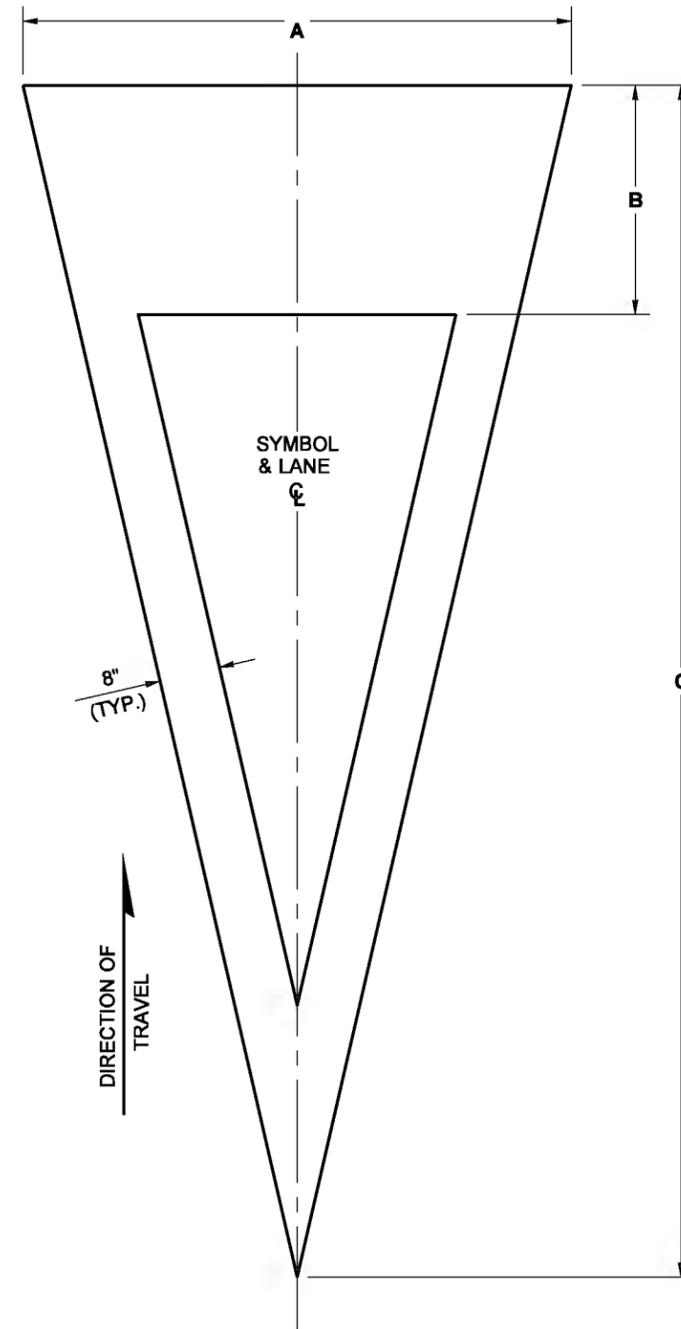
MARKING AREA = 12.08 SQ.FT.  
**SPEED BUMP SYMBOL**



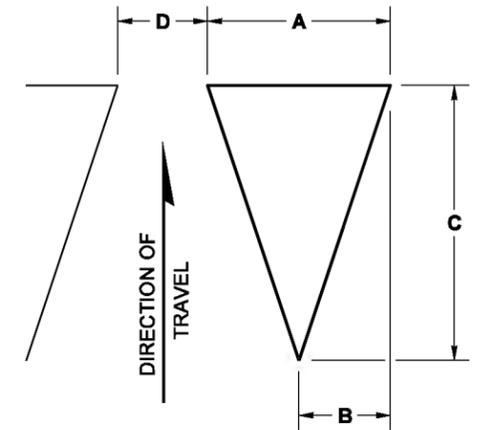
TOTAL MARKING AREA = 13.44 SQ.FT.  
 WHITE = 4.82 SQ.FT. BLUE = 8.62 SQ.FT.  
**ACCESS PARKING SPACE SYMBOL (MINIMUM) WITH BLUE BACKGROUND AND WHITE BORDER (REQUIRED FOR CEMENT CONCRETE SURFACES)**

SYMBOL MARKING		A	B	C	D	USE	MARKING AREA
<b>YIELD AHEAD SYMBOL</b>	<b>TYPE 1</b>	6' - 0"	2' - 6"	13' - 0"	N/A	LESS THAN 45 MPH	25.90 SQ.FT.
	<b>TYPE 2</b>	6' - 0"	3' - 0"	20' - 0"	N/A	45 MPH OR GREATER	36.54 SQ.FT.
<b>YIELD LINE SYMBOL</b>	<b>TYPE 1</b>	1' - 0"	6"	1' - 6"	6"	LESS THAN 45 MPH	0.75 SQ.FT.
	<b>TYPE 2</b>	2' - 0"	1' - 0"	3' - 0"	1' - 0"	45 MPH OR GREATER	3.00 SQ.FT.
	<b>TYPE 2</b>	2' - 0"	1' - 0"	3' - 0"	1' - 0"	ROUNDBOUNT ENTRY *	3.00 SQ.FT.

\* MINIMUM OF 4 IN LANE



**YIELD AHEAD SYMBOL**



**YIELD LINE SYMBOL (MULTIPLE SYMBOLS REQUIRED FOR TRANSVERSE YIELD LINE - SEE CONTRACT)**



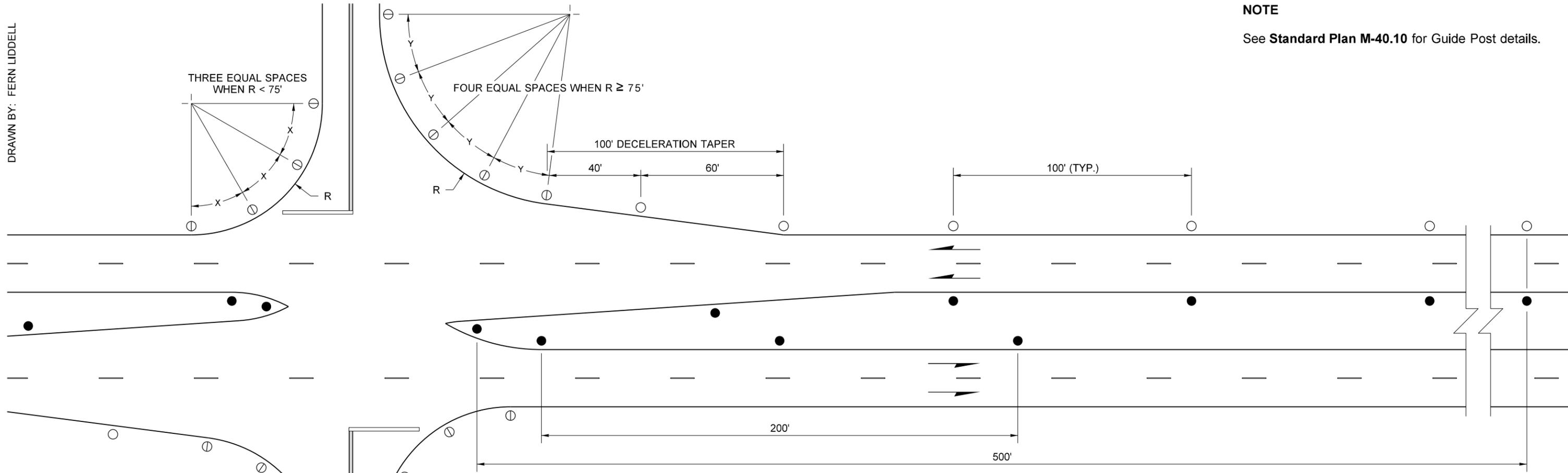
**SYMBOL MARKINGS MISCELLANEOUS**  
**STANDARD PLAN M-24.60-04**  
 SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

DRAWN BY: FERN LIDDELL

**NOTE**

See **Standard Plan M-40.10** for Guide Post details.



**DIVIDED HIGHWAY**

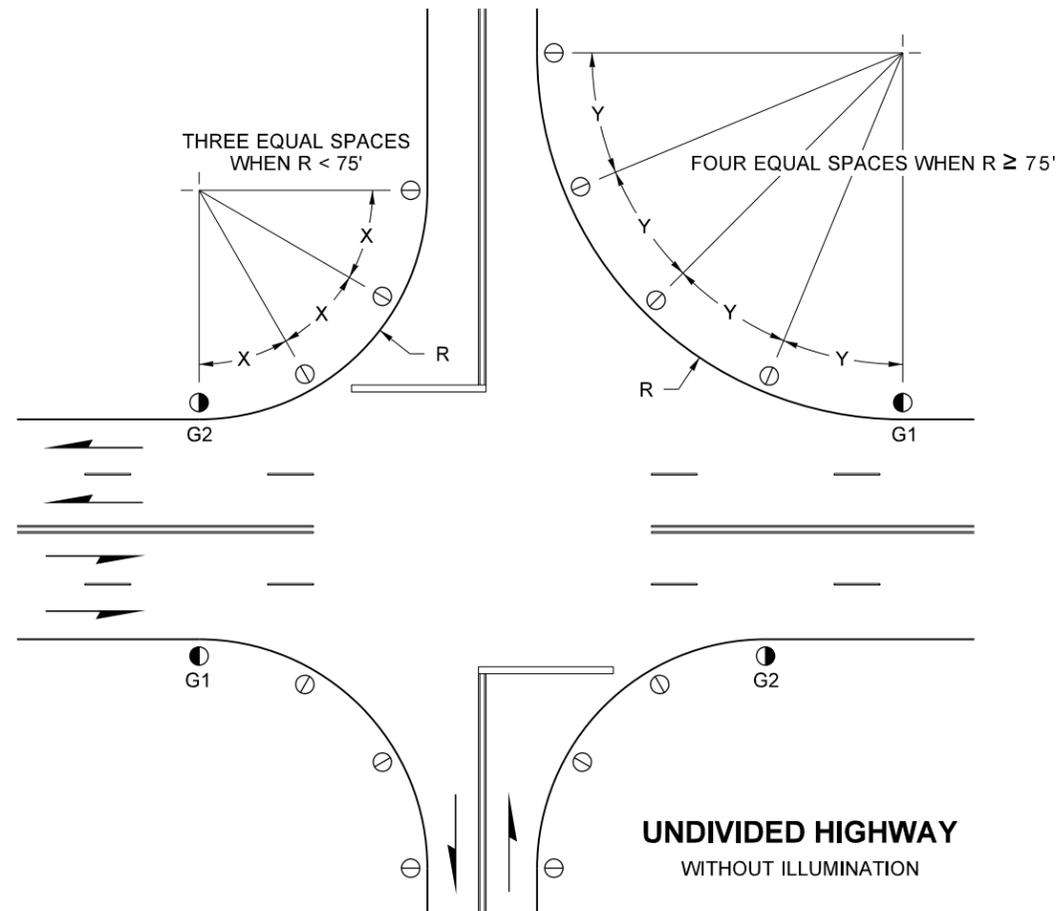
**UNDIVIDED HIGHWAY  
WITHOUT ILLUMINATION**

**LEGEND**

- TYPE W
- ⊕ TYPE WW
- TYPE Y

SEE TYPE DEFINITIONS,  
STANDARD PLAN M-40.10

REFLECTIVE SHEETING APPLICATIONS			
TYPE G1		TYPE G2	
 G1		 G2	
FACING TRAFFIC	BACK SIDE	FACING TRAFFIC	BACK SIDE
3"  WHITE	3"  WHITE	3"  WHITE	3"  WHITE
4"  WHITE	4"  WHITE	4"  WHITE	4"  WHITE
8"  WHITE	8"  WHITE	8"  WHITE	8"  WHITE



**GUIDE POST PLACEMENT  
GRADE INTERSECTIONS  
STANDARD PLAN M-40.30-01**

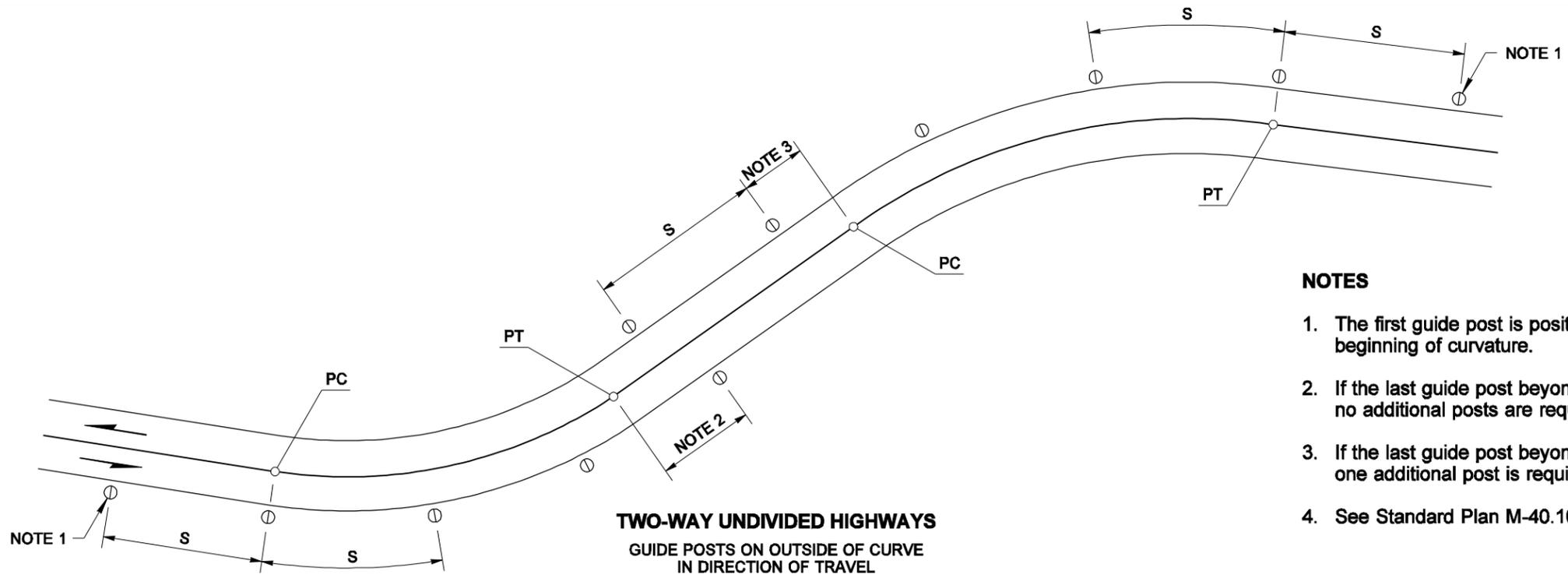
SHEET 1 OF 1 SHEET

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STATE DESIGN ENGINEER  
 Washington State Department of Transportation

GUIDE POST SPACING (FEET)	
RADIUS	S
50	20
115	25
150	30
200	35
250	40
300	50
400	55
500	65
600	70
700	75
800	80
900	85
1,000	90
1,200	100
1,700	120
2,300	140
2,900	160
3,700	180
4,500	200
5,500	220
6,500	240
7,600	260
8,800	280
10,000	300
R>10,000	300

INTERPOLATE FROM THE TABLE FOR RADII NOT SHOWN

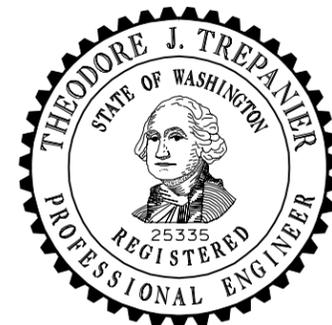
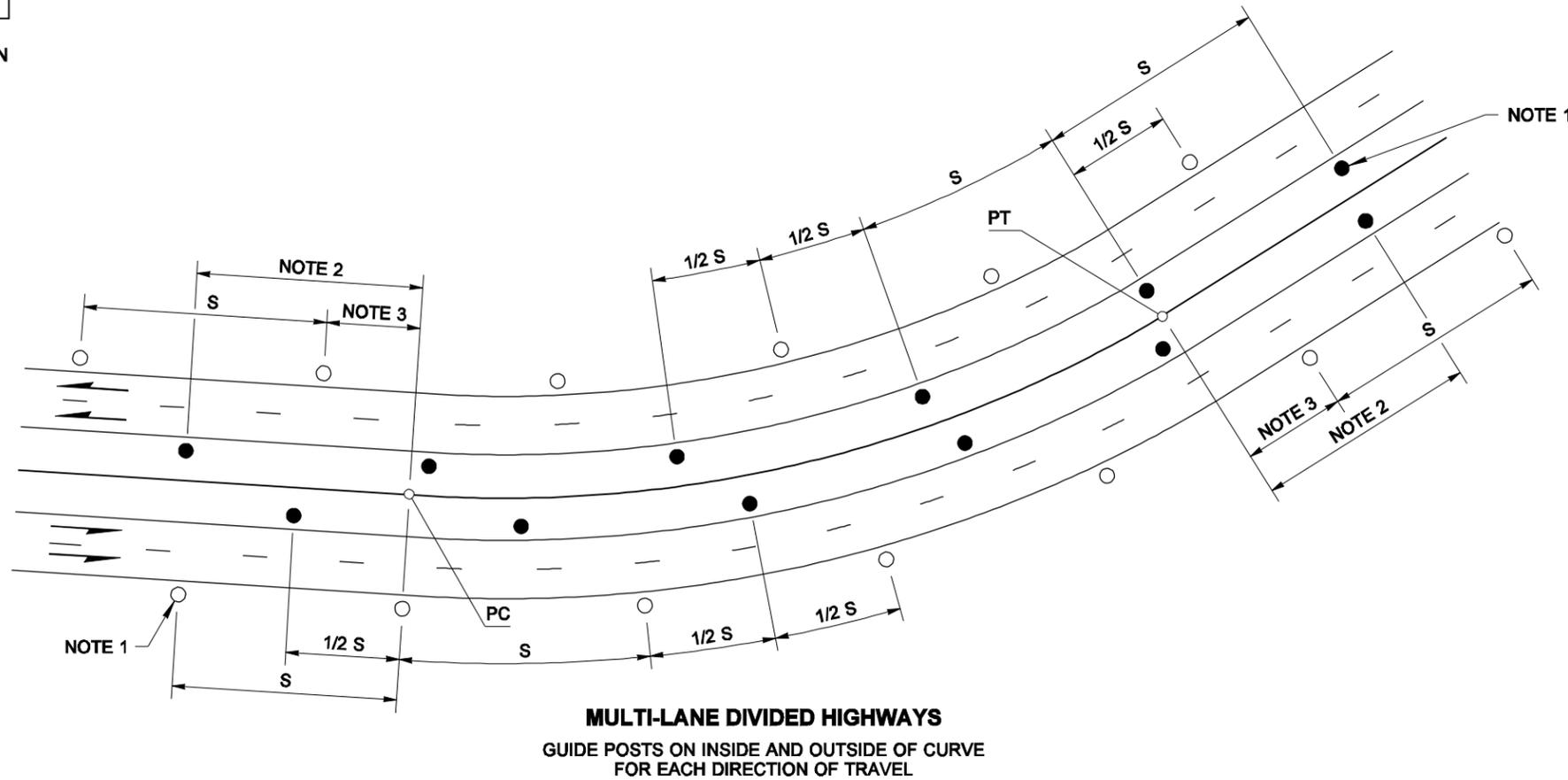


**NOTES**

1. The first guide post is positioned "S" distance from the beginning of curvature.
2. If the last guide post beyond the curve is 1/2 "S" or more, no additional posts are required.
3. If the last guide post beyond the curve is less than 1/2 "S", one additional post is required.
4. See Standard Plan M-40.10 for Guide Post details.

LEGEND	
○	TYPE W
⊙	TYPE WW
●	TYPE Y

SEE TYPE DEFINITIONS,  
STD. PLAN M-40.10



EXPIRES AUGUST 9, 2009

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**GUIDE POST PLACEMENT  
HORIZONTAL CURVES  
STANDARD PLAN M-40.40-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

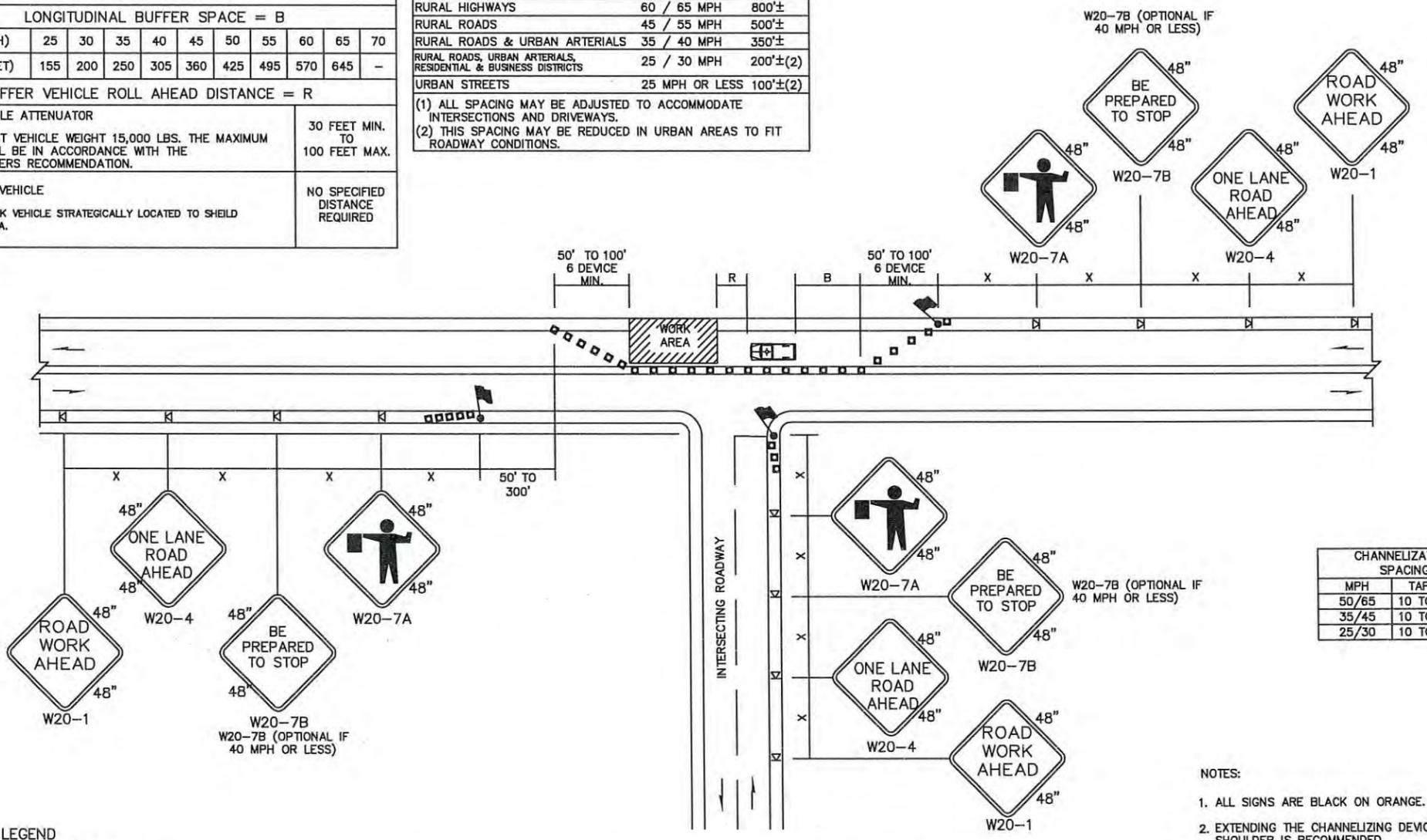
**Pasco Bakotich III** 09-20-07  
STATE DESIGN ENGINEER DATE



BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (FEET)	155	200	250	305	360	425	495	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR										30 FEET MIN. TO 100 FEET MAX.
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										
PROTECTIVE VEHICLE										NO SPECIFIED DISTANCE REQUIRED
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800'±
RURAL ROADS	45 / 55 MPH	500'±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200'±(2)
URBAN STREETS	25 MPH OR LESS	100'±(2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

- NOTES:
- ALL SIGNS ARE BLACK ON ORANGE.
  - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
  - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

- LEGEND
- FLAGGING STATION
  - TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - PROTECTIVE VEHICLE

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOT TO SCALE

DESIGNED BY :	NO.	DATE	REVISION	BY	APP.
DRAWN BY :					
CHECKED BY :					
DATE :					

NORTH FORK ROAD REALIGNMENT PROJECT

RAP PROJECT NO. 2113-01  
 COUNTY ROAD PROJECT NO. 2158  
 TRAFFIC CONTROL PLAN

SHEET  
 1 OF 1



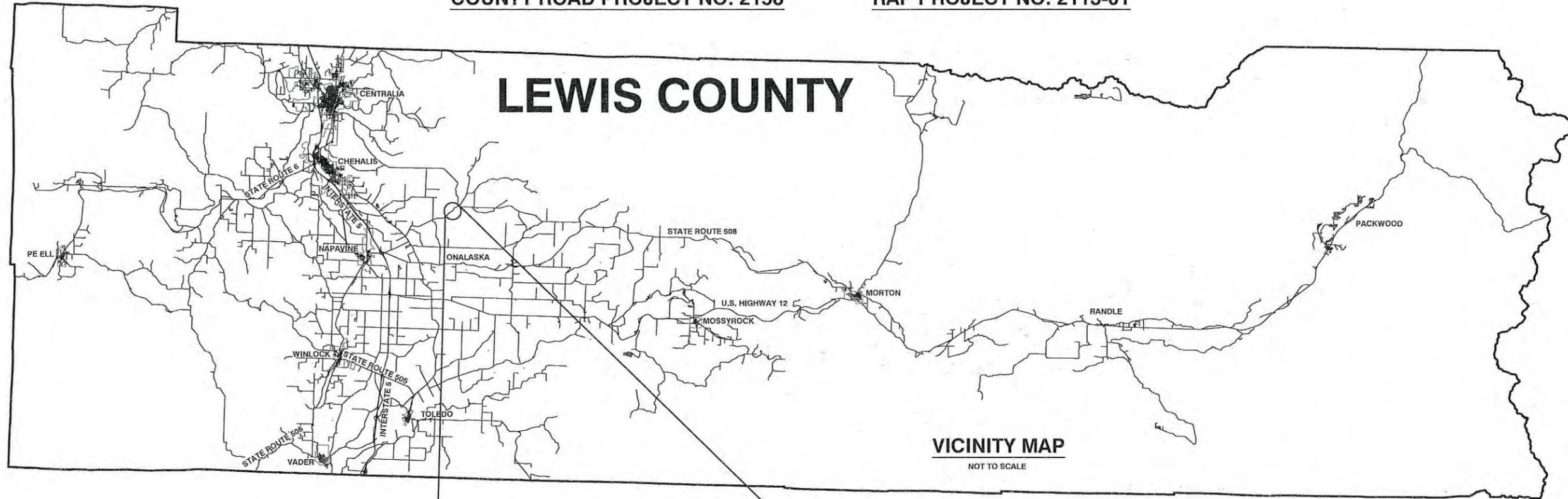
Donald J. Carney, P.E.  
 Senior Engineer/Design  
 Date: 7-16-19



# NORTH FORK ROAD REALIGNMENT PROJECT

COUNTY ROAD PROJECT NO: 2158

RAP PROJECT NO: 2113-01



VICINITY MAP  
NOT TO SCALE

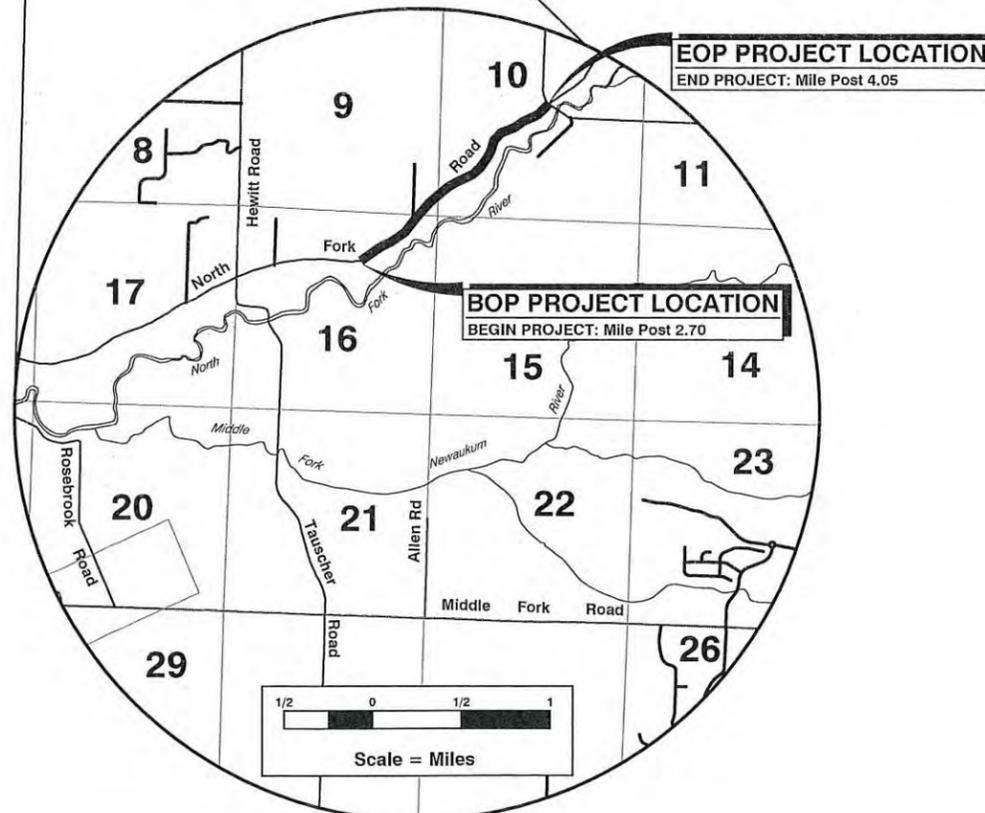
LEWIS COUNTY  
DEPARTMENT OF PUBLIC WORKS  
APPROVED FOR CONSTRUCTION:

*[Signature]* 4-15-19  
Assistant County Engineer Date

**COMMISSIONERS:**

- EDNA J. FUND, DISTRICT 1
- ROBERT C. JACKSON, DISTRICT 2
- GARY STAMPER, DISTRICT 3

**ENGINEERING-  
DESIGN SECTION**



SHEET INDEX	
SHEET NO.	DESCRIPTION
1	VICINITY MAP AND SHEET INDEX
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4 - 17	TESC PLAN
18	ROADWAY SECTION
19	COMPOST AMENDED VEGETATED FILTER STRIP AND BIODETENTION SWALE DETAILS
20 - 37	PLAN AND PROFILE
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40	GUARDRAIL DETAILS
41-55	APPROACH DETAILS
56	STORM DRAINAGE DETAILS
57	SPLIT BOX CULVERT
58-60	SPLIT BOX CULVERT DETAILS
61-64	STRIPING PLAN
65	TRAFFIC CONTROL PLAN
D1	DETOUR ROUTE
R1-R7	RIGHT OF WAY MAP

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# LEGEND

## EXISTING FEATURES

	CONIFER TREE	---	CENTERLINE
	DECIDUOUS TREE	----	ROAD EDGE
	SHRUB	-----	GUARDRAIL
	STUMP	-----	DRIVEWAY (ASPHALT)
	WATER METER	-----	DRIVEWAY (GRAVEL)
	WATER VALVE	-----	BRIDGE/SIDEWALK
	TELEPHONE VAULT	--- x --- x ---	BUILDING
	TELEPHONE RISER	--- OHU --- OHU ---	FENCE
	WELL HEAD	--- TPHONE ---	OVERHEAD UTILITIES
	SEPTIC TANK	--- WATER ---	UNDERGROUND TELEPHONE
	POWER METER	-----	UNDERGROUND WATER
	POWER VAULT	-----	SHOULDER
	POWER POLE	-----	CONCRETE
	SERVICE POLE	-----	CURB
	GUY POLE	-----	EXISTING GROUND (PROFILE)
	GUY WIRE		
	LIGHT POLE		
	SIGN		
	MAILBOX		
	FENCE POST		
	FIRE HYDRANT		
	WATER FAUCET		
	CULVERT		

## SURVEY FEATURES

	POINT OF CURVATURE
	POINT OF INTERSECTION
	POINT OF TANGENT
---	SECTION LINE
----	1/4 SECTION LINE
-----	1/16 SECTION LINE
-----	PERMANENT EASEMENT
-----	RIGHT OF WAY
-----	TEMPORARY CONSTRUCTION EASEMENT
.....	PROPERTY LINE
-----	WETLANDS
-----	FLOWLINE
-----	APE AREA

## NEW CONSTRUCTION FEATURES

	CALLOUT
	TYPE 2 CATCH BASIN
	CULVERT
	SPLIT BOX CULVERT
	GRIND AND OVERLAY
	COMPOST AMENDED VEGETATED FILTER STRIP
	GRAVEL APPROACH, ROAD SHOULDER
	SEEDING, FERTILIZING, AND MULCHING
	STREAMBED AND EXCAVATION
	ROCK FOR EROSION AND SCOUR PROTECTION CLASS B
	STREAMBED AND EXCAVATION
	GUARDRAIL
	CENTERLINE (MAINLINE, APPROACHES)
	ROADWAY SURFACE
	ROADSIDE GRADING

## GENERAL NOTES

- BASIS OF BEARINGS:**  
BEARINGS ARE BASED ON NAD 83/91 (WASHINGTON STATE PLANE GRID, SOUTH ZONE)  
LC GPS POINTS ALPHA 1002 AND NORTH FORK WERE USED FOR THE BASE CONTROL (S 60°17'49" W FROM ALPHA 1002 TO NORTH FORK). HORIZONTAL CONTROL WAS DERIVED FROM RTK METHOD FOR PROJECT AND SECTION CORNER CONTROL.  
DISTANCES SHOWN ON THIS MAP HAVE BEEN SCALED TO GROUND BY A COMBINED SCALE FACTOR OF 1.00097916
- VERTICAL DATUM: NAVD '88**  
PER STATIC ELEVATION OF LEWIS COUNTY GPS POINT 'ALPHA 1002' ELEV=337.37  
DIGITAL LEVELS WERE RUN THROUGH THE PROJECT TO ESTABLISH INTERMEDIATE BENCHMARKS.
- EXISTING UTILITIES SHOWN ON THE PLANS ARE PER SURFACE LOCATIONS, RECORD DRAWINGS, AND LIMITED POT HOLE DATA. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. IF CONFLICT EXISTS, NOTIFY THE ENGINEER AND UTILITY COMPANY. PROCEED ONLY AS DIRECTED PER STANDARD POLICY AND REGULATIONS.
- AT ALL TIMES FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL HAVE ON HAND, THE PROJECT CONTRACT PROVISIONS AND PLANS, AND A CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (M 41-10).
- THE CONTRACTOR WILL COORDINATE, COOPERATE AND ASSIST IN THE INSPECTION PROCESSES THAT IS REQUIRED FOR THE COMPLETION OF THE PROJECT.
- GRANTED A 3 DAY IN ADVANCE WRITTEN NOTICE, ALL NECESSARY CONSTRUCTION SURVEY SHALL BE PROVIDED AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING NEEDED SURVEY STAKES DESTROYED THROUGH NORMAL OPERATIONS, NEGLIGENCE, OR INATTENTION.
- AT THE END OF EACH DAY, THE CONTRACTOR SHALL CLEAN UP THE PROJECT AREA AND LEAVE IT IN A NEAT AND SECURED MANNER. UPON COMPLETION, THE CONTRACTOR SHALL LEAVE THE PROJECT FREE OF DEBRIS AND UNUSED MATERIAL.
- CONTRACTOR TO MAINTAIN INGRESS AND EGRESS FROM THE PROJECT SITE, AND PRIVATE PROPERTY DRIVEWAYS DURING CONSTRUCTION.
- AT A MINIMUM, THE CONTRACTOR IS TO MAINTAIN ALTERNATING ONE WAY TRAFFIC CONTROL UNLESS APPROVED TRAFFIC CONTROL PLAN ALLOWS OTHERWISE.
- CONTRACTOR SHALL PROTECT EXISTING WATER SERVICE LINES. ALL DISTURBED WATER SERVICE LINES SHALL BE REPAIRED AS DIRECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF EXISTING WATER SERVICE LINES DESTROYED THROUGH NEGLIGENCE AND/OR INATTENTION.

2025 NE KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY : J. PIPER	NO.	DATE	REVISION	BY	APP.
DRAWN BY : KLC					
CHECKED BY :					
DATE :					

# NORTH FORK ROAD REALIGNMENT PROJECT

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

LEGEND

SHEET  
2 OF 65

1-800-424-5555  
"It's the Law"  
Utilities Underground Location Center

Donald J. Carney, P.E.  
Senior Engineer/Design

Date: 4-11-19

EXPIRES 5-23-19

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SUMMARY OF QUANTITIES				
ITEM NO.	STD. ITEM NO.	ITEM DESCRIPTION	TOTAL QUANTITY	UNIT
<b>PREPARATION</b>				
1	0001	MOBILIZATION	LUMP SUM	LUMP SUM
2	0025	CLEARING AND GRUBBING	4.3	ACRE
3	0050	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	LUMP SUM
<b>GRADING</b>				
4	0310	ROADWAY EXCAVATION INCL. HAUL	8,910	C.Y.
5	S.P.	SELECT BORROW INCL. HAUL	10,700	TON
<b>DRAINAGE</b>				
6	0921	ROCK FOR EROSION AND SCOUR PROTECTION CLASS A	29	TON
7	1030	DITCH EXCAVATION INCL. HAUL	155	C.Y.
8	1086	QUARRY SPALLS	9	TON
9	1093	STREAMBED SEDIMENT	164	TON
10	1170	DRAIN PIPE 6 IN. DIAM.	19	L.F.
11	1180	SCHEDULE A CULV. PIPE 12 IN. DIAM.	99	L.F.
12	1182	SCHEDULE A CULV. PIPE 18 IN. DIAM.	87	L.F.
13	1290	CL. V REINF. CONC. CULV. PIPE 12 IN. DIAM.	37	L.F.
14	3075	TEMPORARY STREAM DIVERSION	LUMP SUM	LUMP SUM
<b>STORM SEWER</b>				
15	3105	CATCH BASIN TYPE 2 48 IN. DIAM.	2	EACH
16	3543	SCHEDULE A STORM SEWER PIPE 24 IN. DIAM.	93	L.F.
<b>STRUCTURE</b>				
17	S.P.	SPLIT BOX CULVERT	LUMP SUM	LUMP SUM
18	4006	STRUCTURE EXCAVATION CLASS A INCL. HAUL	330	C.Y.
<b>SURFACING</b>				
19	5100	CRUSHED SURFACING BASE COURSE	22,530	TON
20	5120	CRUSHED SURFACING TOP COURSE	5,475	TON
21	S.P.	SHOULDER FINISHING	2.68	MILE
<b>HOT MIX ASPHALT</b>				
22	5766	HMA CL. 3/8 IN. PG 58H-22	4,860	TON
23	5872	HMA FOR APPROACH CL. 3/8 IN. PG 58H-22	318	TON
<b>EROSION CONTROL AND ROADSIDE PLANTING</b>				
24	6403	ESC LEAD	16	DAY
25	S.P.	TOPSOIL TYPE C	710	C.Y.
26	6414	SEEDING, FERTILIZING, AND MULCHING	4.75	ACRE
27	S.P.	TRIANGULAR SILT DIKE	63	L.F.
28	S.P.	EROSION CONTROL AT CULVERT ENDS	3	EACH
29	6490	EROSION/WATER POLLUTION CONTROL	EST.	DOLLAR
30	6500	COMPOST SOCK	8,670	L.F.
31	6550	PLANT SELECTION RED OSIER DOGWOOD	1	EACH
32	6550	PLANT SELECTION DOUGLAS FIR	1	EACH
33	6550	PLANT SELECTION SCOULER'S WILLOW	1	EACH
34	S.P.	COMPOST AMENDED VEGETATED FILTER STRIP	16,500	S.Y.
<b>TRAFFIC</b>				
35	6719	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	2	EACH
36	6757	BEAM GUARDRAIL TYPE 31	87.50	L.F.
37	6806	PAINT LINE	21,250	L.F.
38	6832	FLEXIBLE GUIDE POST (TYPE WW)	96	EACH
39	6859	PLASTIC STOP LINE	20	L.F.
40	6890	PERMANENT SIGNING	LUMP SUM	LUMP SUM
41	6971	PROJECT TEMPORARY TRAFFIC CONTROL	LUMP SUM	LUMP SUM
42	6982	CONSTRUCTION SIGNS CLASS A	880	S.F.

SUMMARY OF QUANTITIES				
ITEM NO.	STD. ITEM NO.	ITEM DESCRIPTION	TOTAL QUANTITY	UNIT
<b>OTHER ITEMS</b>				
43	7006	STRUCTURE EXCAVATION CLASS B INCL. HAUL	122	C.Y.
44	7011	GRAVEL BACKFILL FOR FOUNDATION CLASS A	89	C.Y.
45	7018	WATER	1300	MGAL
46	7490	TRIMMING AND CLEANUP	LUMP SUM	LUMP SUM
47	S.P.	PIPE SLEEVE 6 IN. DIAM.	1	EACH
48	7562	MAILBOX SUPPORT TYPE 1	9	EACH
49	7562	MAILBOX SUPPORT TYPE 2	5	EACH
50	7725	REIMBURSEMENT FOR THIRD PARTY DAMAGE	EST.	DOLLAR
51	7728	MINOR CHANGE	CALC.	DOLLAR
52	7736	SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN	LUMP SUM	LUMP SUM



2025 NE KRESKY AVE.  
CHEHALIS WA 98532  
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FAX # (360) 740-2719

DESIGNED BY :	NO.	DATE	REVISION	BY	APP.
J. PIPER					
DRAWN BY :					
J. PIPER					
CHECKED BY :					
DATE :					

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

SUMMARY OF QUANTITIES

SHEET  
**3**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design

*Donald J. Carney*  
Date: 4-11-19

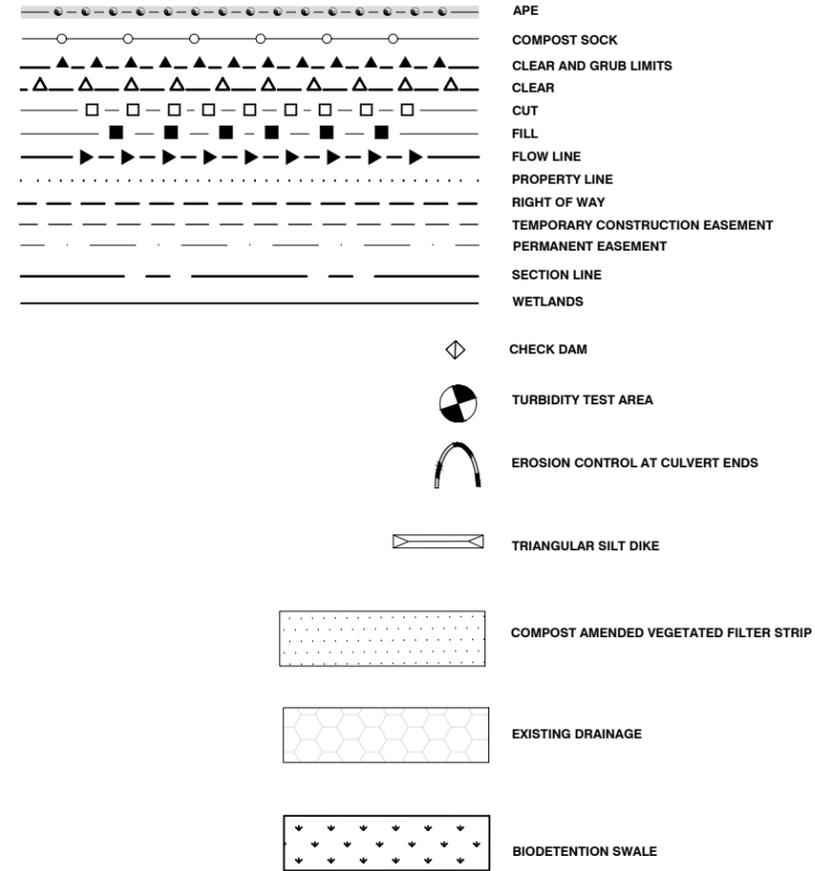


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**NOTE**

1. THE TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN IS A LIVING DOCUMENT AND SHALL BE UPDATED BY THE CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) TO REFLECT CURRENT FIELD CONDITIONS.
2. INSTALL EROSION CONTROL AT CULVERT ENDS PER STANDARD PLAN 1-30.20-00
3. INSTALL COMPOST SOCK PER WSDOT STANDARD PLAN I-30.40-01  
J - HOOK ENDS OF COMPOST SOCKS

**T.E.S.C. LEGEND**



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CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY :  
DRAWN BY : CJC  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
  
TESC PLAN

SHEET  
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OF  
**65**



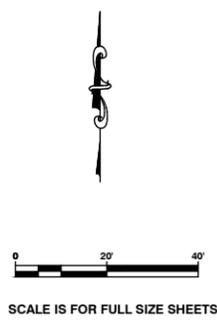
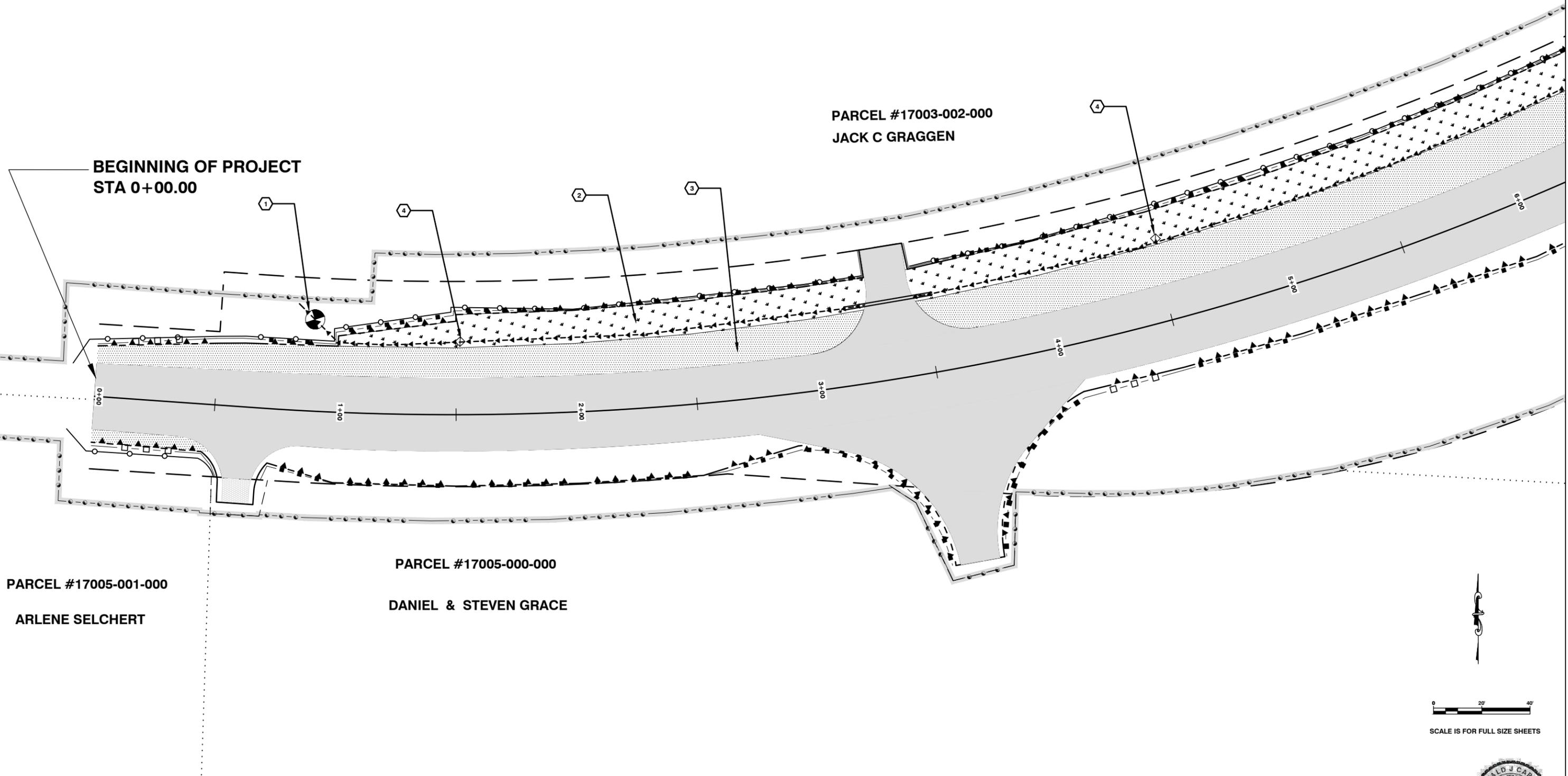
Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



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**CONSTRUCTION NOTES**

- 1 TURBIDITY TEST AREA
- 2 BIODETENTION SWALE
- 3 COMPOST AMENDED VEGETATED FILTER STRIP
- 4 STA 1+50.00 AND STA. 4+50.00  
CONSTRUCT CHECK DAM  
SEE CHECK DAM DETAIL ON SHEET 38 OF 65



**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY :  
DRAWN BY : CJC  
CHECKED BY :  
DATE :

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**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
TESC PLAN

SHEET  
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OF  
**65**

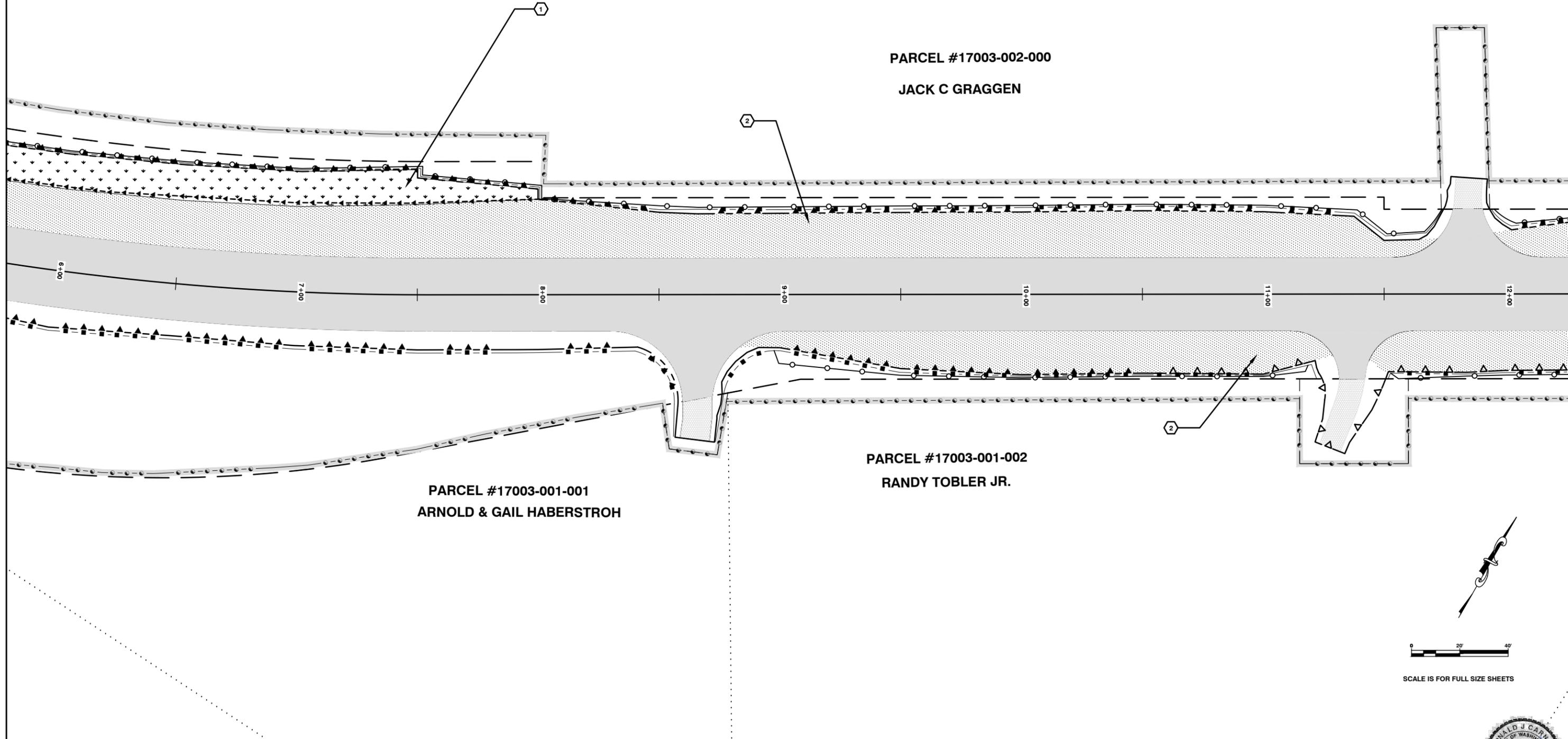


Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19  
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**CONSTRUCTION NOTES**

- ① BIODETENTION SWALE
- ② COMPOST AMENDED VEGETATED FILTER STRIP



PARCEL #17003-002-000  
JACK C GRAGGEN

PARCEL #17003-001-001  
ARNOLD & GAIL HABERSTROH

PARCEL #17003-001-002  
RANDY TOBLER JR.



SCALE IS FOR FULL SIZE SHEETS



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19  
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SHEET  
6  
OF  
65

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
TESC PLAN

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

NO.	DATE	REVISION	BY	APP.

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DRAWN BY : CJC  
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DATE :

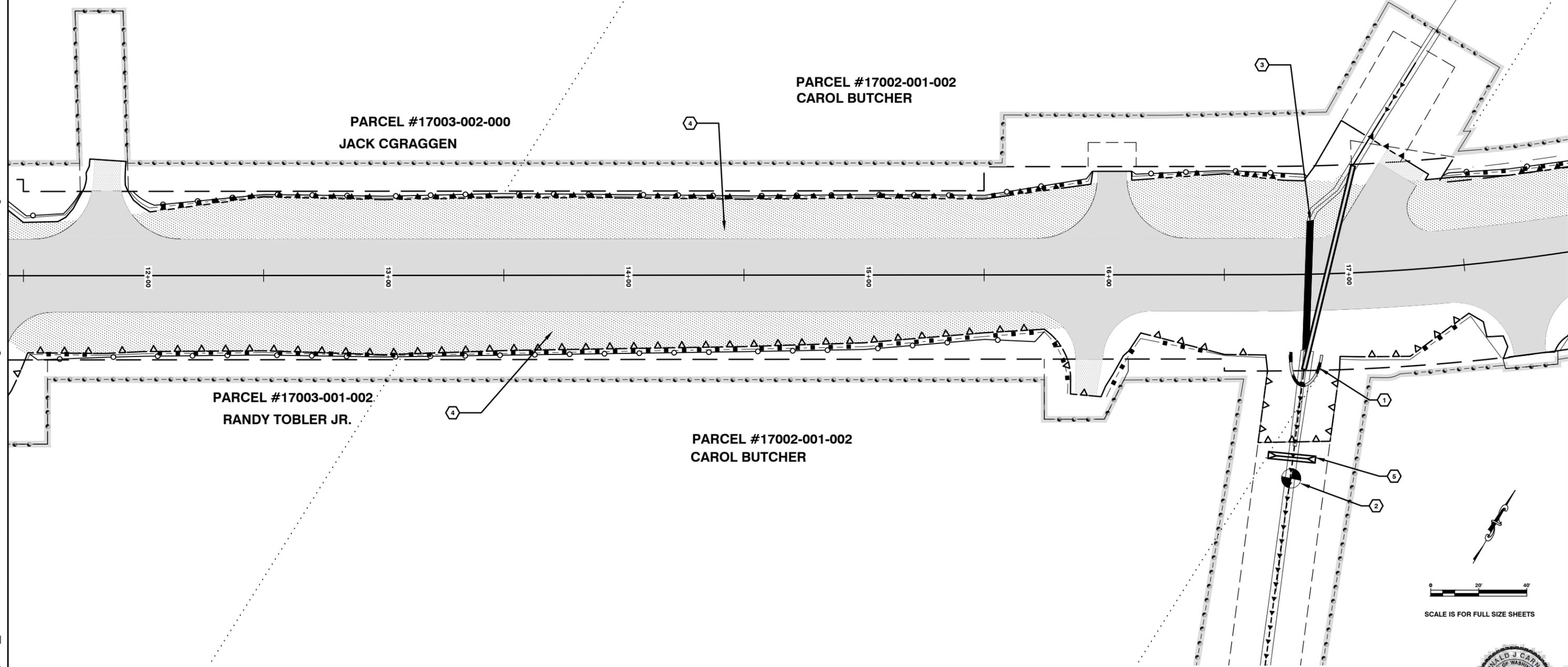
2025 N. E. KRESKY AVE.  
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**CONSTRUCTION NOTES**

- 1 EROSION CONTROL AT CULVERT END
- 2 TURBIDITY TEST AREA
- 3 EXISTING CULVERT TO BE REMOVED AND REPLACED
- 4 COMPOST AMENDED VEGETATED FILTER STRIP
- 5 TRIANGULAR SILT DIKE



**Lewis County**  
 Department of Public Works  
 2025 N. E. KRESKY AVE.  
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 DRAWN BY : CJC  
 CHECKED BY :  
 DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
 REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158  
 TESC PLAN

SHEET  
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 OF  
**65**



Donald J. Carney, P.E.  
 Senior Engineer/Design  
 Date: 4-11-19  
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**CONSTRUCTION NOTES**

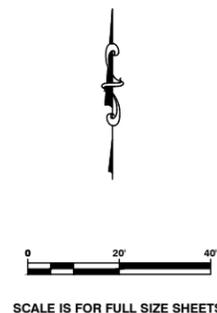
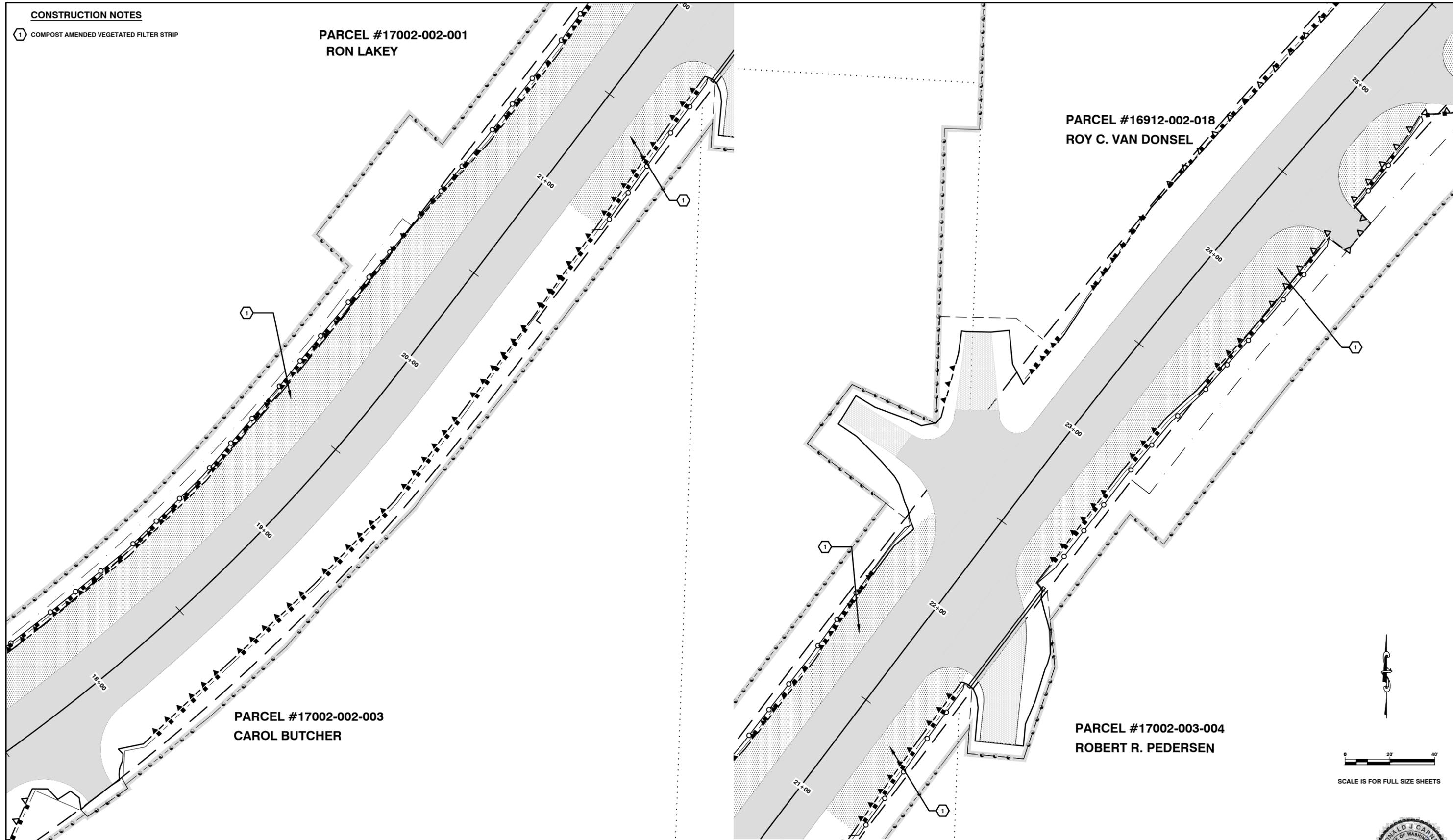
1 COMPOST AMENDED VEGETATED FILTER STRIP

PARCEL #17002-002-001  
RON LAKEY

PARCEL #16912-002-018  
ROY C. VAN DONSEL

PARCEL #17002-002-003  
CAROL BUTCHER

PARCEL #17002-003-004  
ROBERT R. PEDERSEN



**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
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DRAWN BY : CJC  
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DATE :

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**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
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TESC PLAN

SHEET  
**8**  
OF  
**65**

CALL 48 HOURS  
BEFORE YOU DIG  
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Donald J. Carney, P.E.  
Senior Engineer/Designer  
*Donald J. Carney*  
Date: 4-11-19  
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**CONSTRUCTION NOTES**

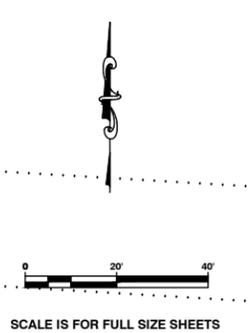
1 COMPOST AMENDED VEGETATED FILTER STRIP

PARCEL #16912-002-018  
ROY C. VAN DONSEL

PARCEL #16912-001-000  
CUSTODIO SANCHEZ

PARCEL #16912-002-018  
ROY C. VAN DONSEL

PARCEL #17002-003-004  
ROBERT R. PEDERSEN



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**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

TESC PLAN

SHEET  
**9**  
OF  
**65**



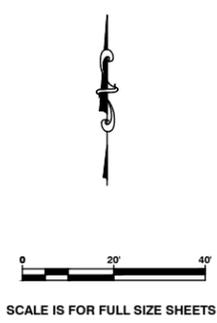
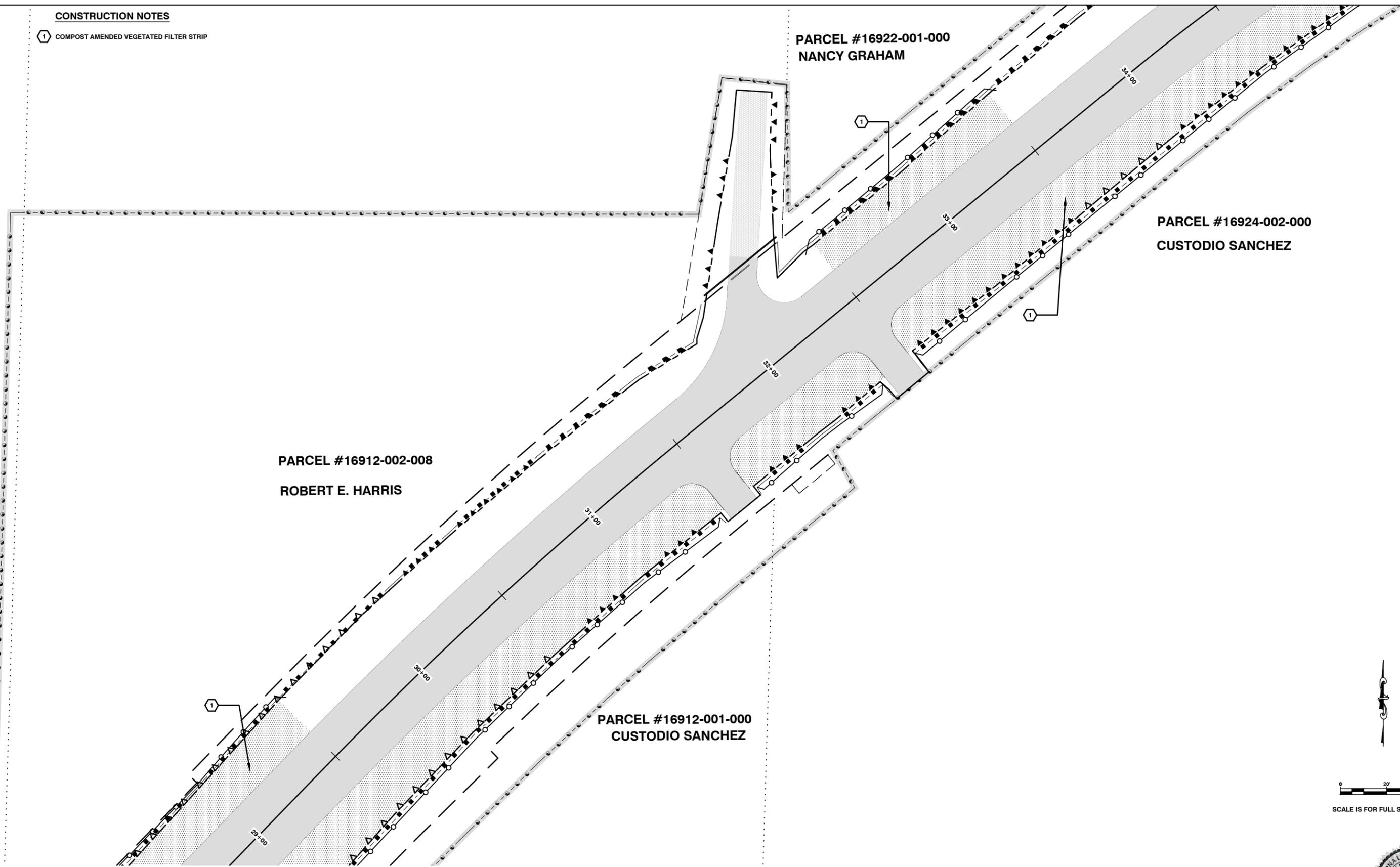
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**CONSTRUCTION NOTES**

① COMPOST AMENDED VEGETATED FILTER STRIP



**Lewis County**  
 Department of Public Works  
 2025 N. E. KRESKY AVE.  
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 DATE :

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**NORTH FORK ROAD  
 REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158  
 TESC PLAN

SHEET  
**10**  
 OF  
**65**



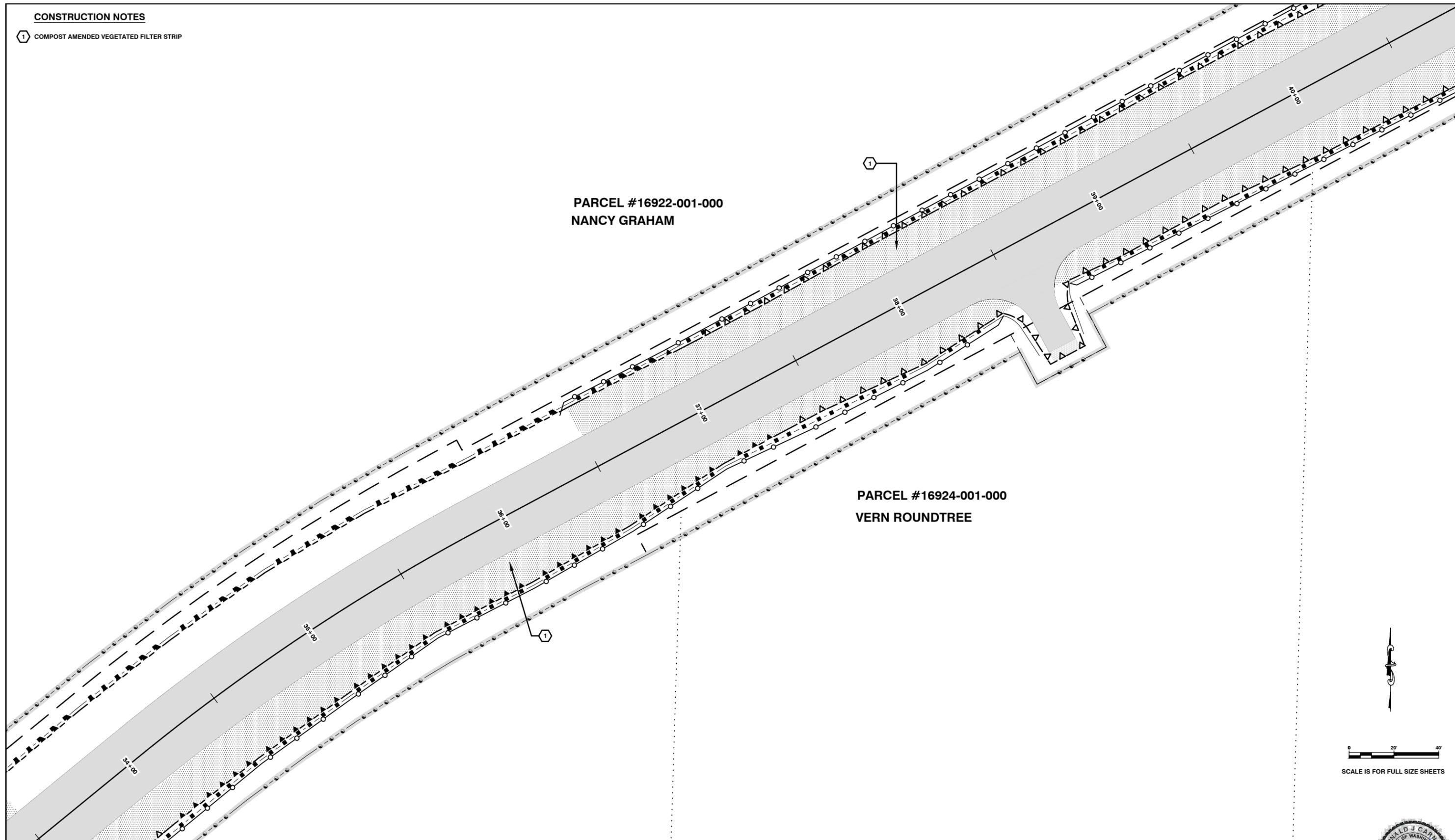
Donald J. Carney, P.E.  
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 EXPIRES 5-23-19



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**CONSTRUCTION NOTES**

1 COMPOST AMENDED VEGETATED FILTER STRIP



**Lewis County**  
 Department of Public Works  
 2025 N. E. KRESKY AVE.  
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**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158  
 TESC PLAN

SHEET  
**11**  
 OF  
**65**



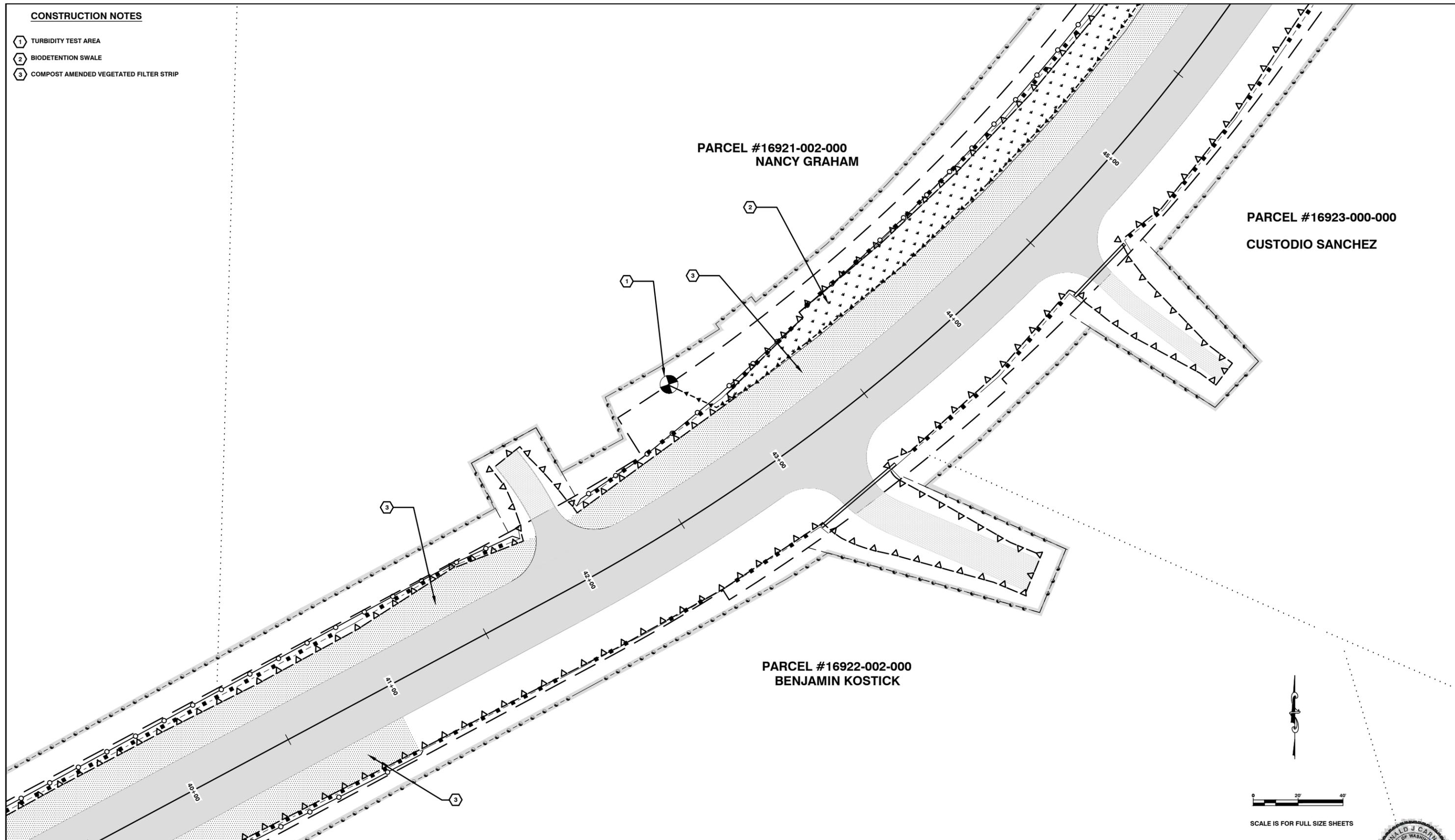
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**CONSTRUCTION NOTES**

- 1 TURBIDITY TEST AREA
- 2 BIODETENTION SWALE
- 3 COMPOST AMENDED VEGETATED FILTER STRIP



**Lewis County**  
 Department of Public Works  
 2025 N. E. KRESKY AVE.  
 CHEHALIS WA 98532  
 PHONE # (360) 740-1123  
 FAX # (360) 740-2719

DESIGNED BY :  
 DRAWN BY : CJC  
 CHECKED BY :  
 DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
 REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158  
 TESC PLAN

SHEET  
**12**  
 OF  
**65**



Donald J. Carney, P.E.  
 Senior Engineer/Designer  
 Date: 4-11-19



S:\Engineer\Road Folders\North Fork Rd - 46000\North Fork Rd Realignment MP 2.70-4.05\_CRP 2158\Drawings\North Fork 2018\TESC PLAN\TESC PLAN.dwg 4/15/2019 4:31 PM

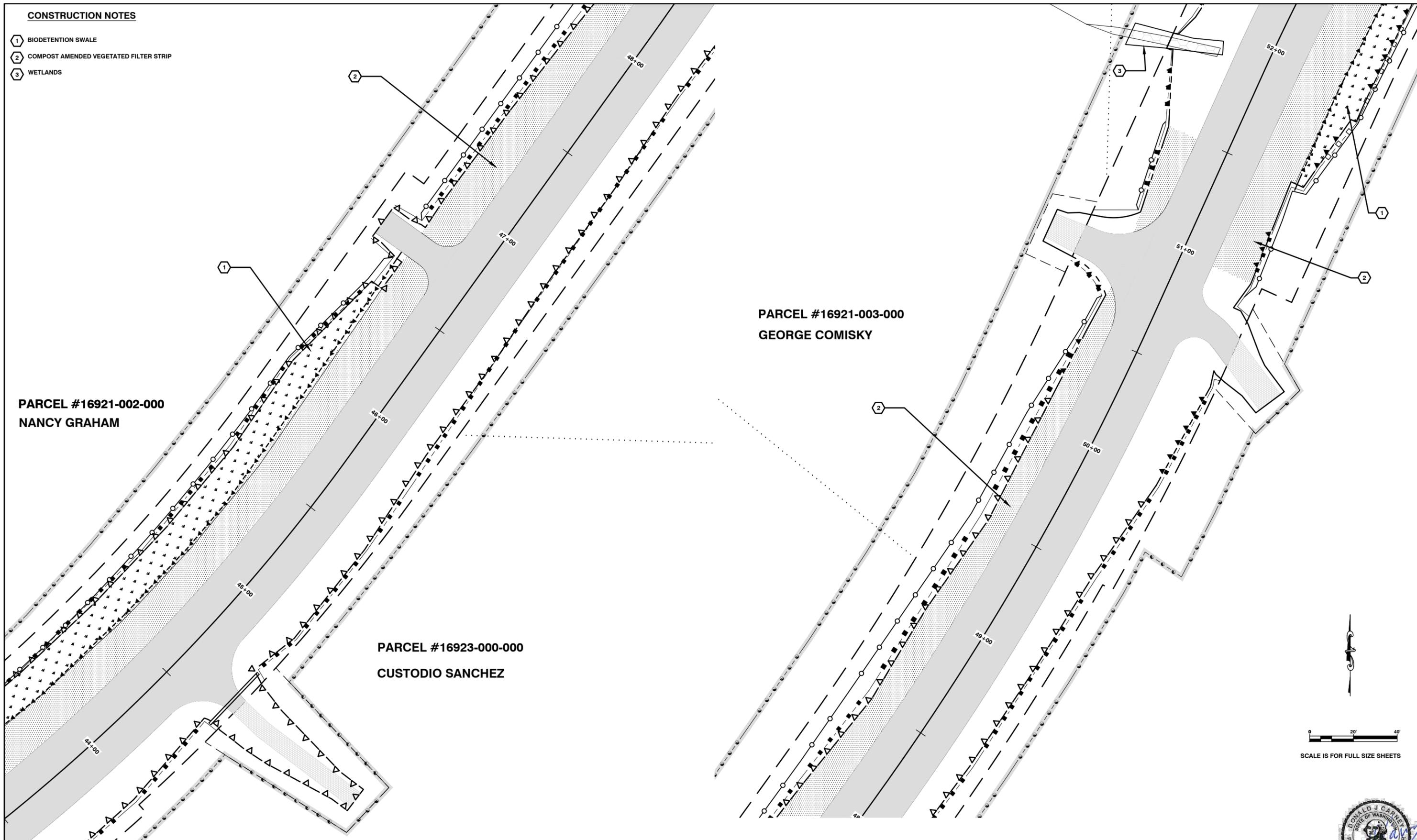
**CONSTRUCTION NOTES**

- 1 BIODETENTION SWALE
- 2 COMPOST AMENDED VEGETATED FILTER STRIP
- 3 WETLANDS

**PARCEL #16921-002-000  
NANCY GRAHAM**

**PARCEL #16921-003-000  
GEORGE COMISKY**

**PARCEL #16923-000-000  
CUSTODIO SANCHEZ**



**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY :  
DRAWN BY : CJC  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

TESC PLAN

SHEET  
**13**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



EXPIRES 5-23-19

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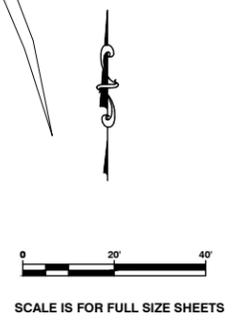
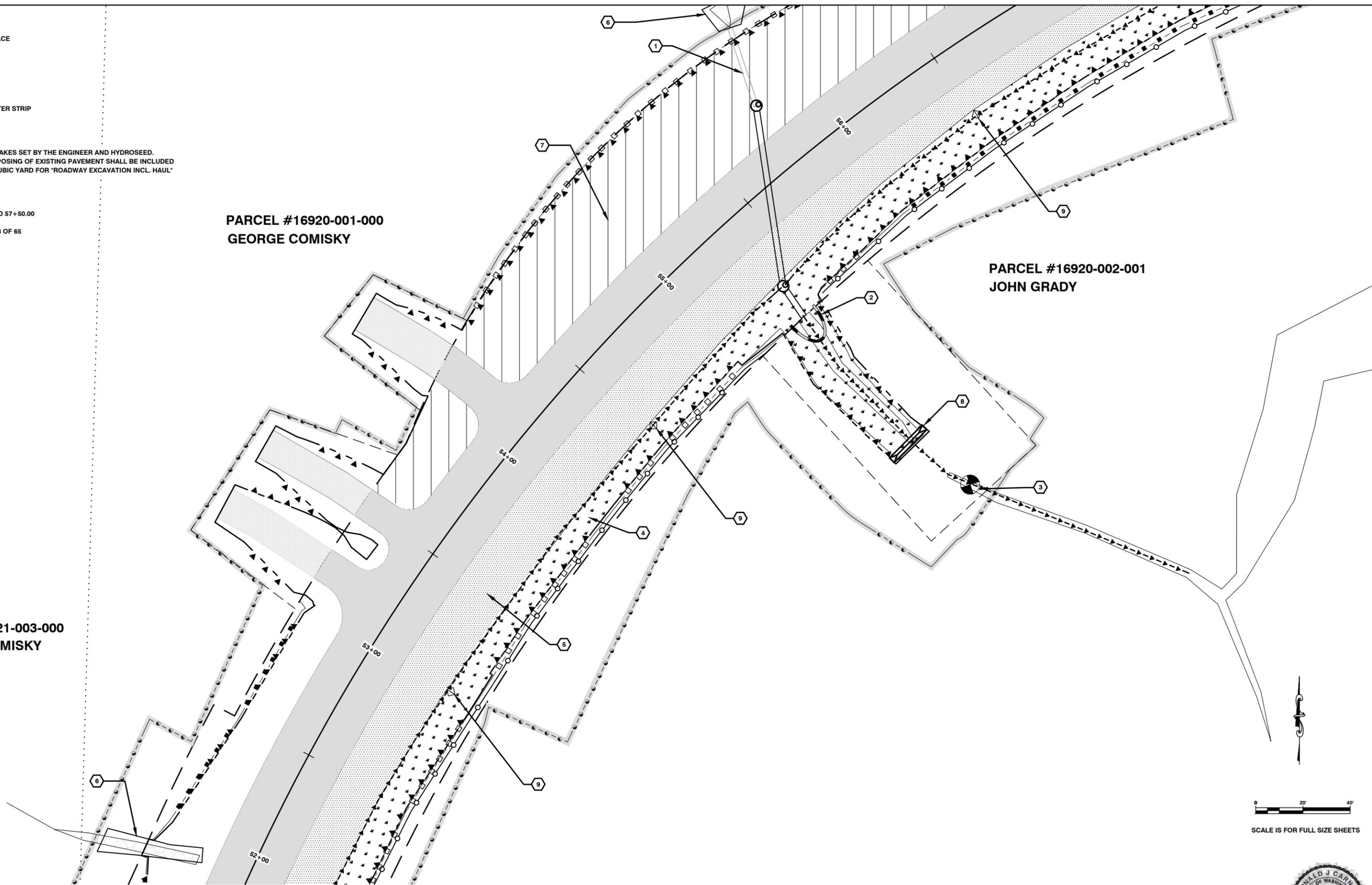
**CONSTRUCTION NOTES**

- 1 EXISTING CULVERT TO REMAIN IN PLACE
- 2 EROSION CONTROL AT CULVERT END
- 3 TURBIDITY TEST AREA
- 4 BIODETENTION SWALE
- 5 COMPOST AMENDED VEGETATED FILTER STRIP
- 6 WETLANDS
- 7 STA 53+50.00 - 58+00.00  
REMOVE PAVEMENT, REGRADE TO STAKES SET BY THE ENGINEER AND HYDROSEED.  
ALL COST FROM REMOVING AND DISPOSING OF EXISTING PAVEMENT SHALL BE INCLUDED  
IN THE UNIT CONTRACT PRICE PER CUBIC YARD FOR "ROADWAY EXCAVATION INCL. HAUL"  
(INCLUDED IN MAINLINE QUANTITIES)
- 8 TRIANGULAR SILT DIKE
- 9 STA 53+0.00 , 54+50.00 , 56+50.00 AND 57+50.00  
CONSTRUCT CHECK DAM  
SEE CHECK DAM DETAIL ON SHEET 38 OF 65

**PARCEL #16920-001-000  
GEORGE COMISKY**

**PARCEL #16920-002-001  
JOHN GRADY**

**PARCEL #16921-003-000  
GEORGE COMISKY**



2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY :	NO.	DATE	REVISION	BY	APP.
DRAWN BY : CJC					
CHECKED BY :					
DATE :					

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

TESC PLAN

SHEET  
**14**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design

Date: 4-11-19

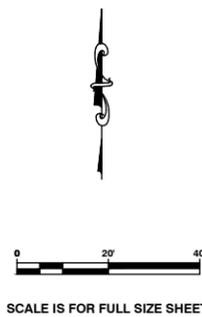
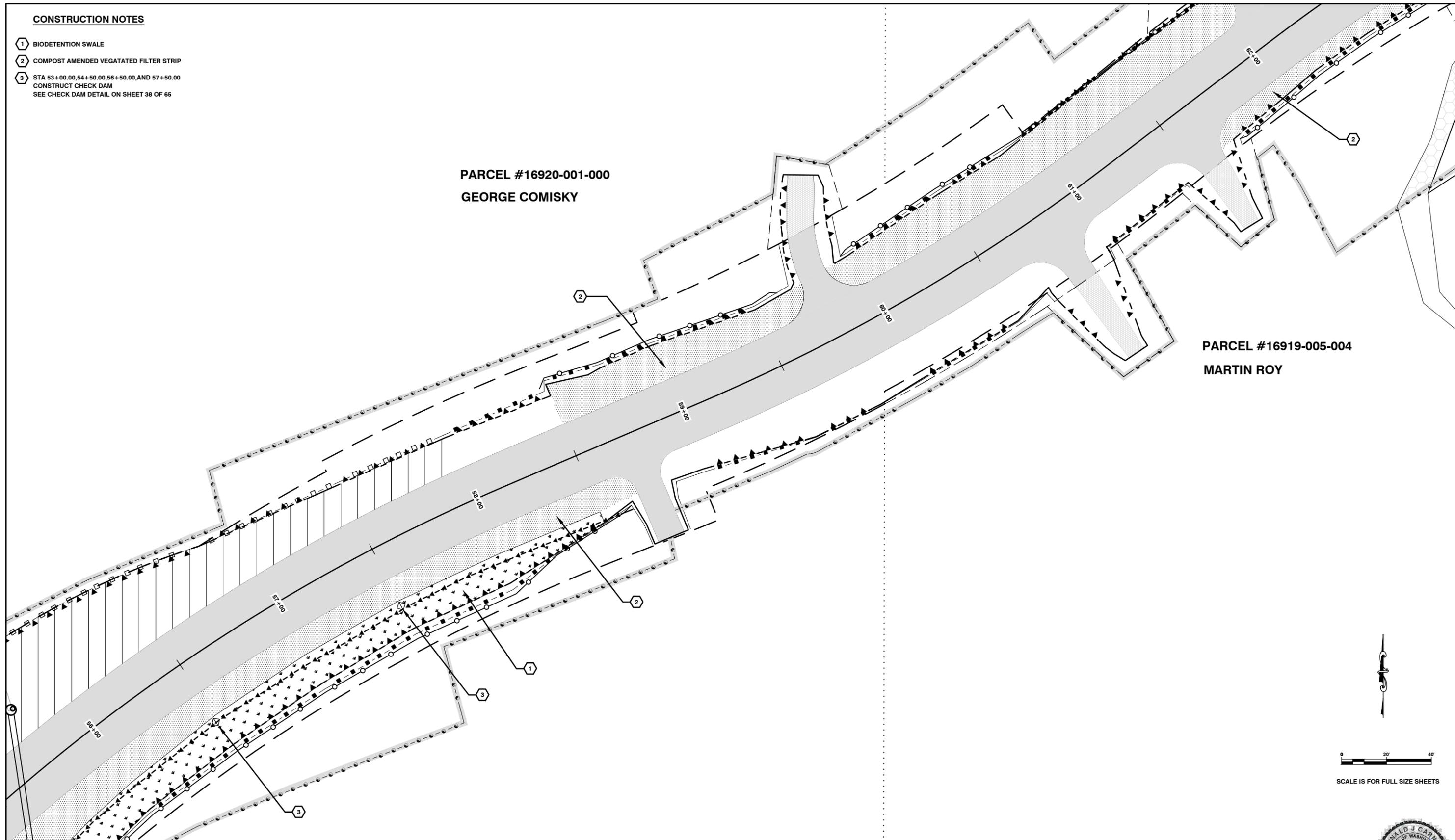
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**CONSTRUCTION NOTES**

- ① BIODETENTION SWALE
- ② COMPOST AMENDED VEGATED FILTER STRIP
- ③ STA 53+00.00,54+50.00,56+50.00,AND 57+50.00  
CONSTRUCT CHECK DAM  
SEE CHECK DAM DETAIL ON SHEET 38 OF 65

**PARCEL #16920-001-000  
GEORGE COMISKY**

**PARCEL #16919-005-004  
MARTIN ROY**



SCALE IS FOR FULL SIZE SHEETS

2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

NO.	DATE	REVISION	BY	APP.

DESIGNED BY :  
DRAWN BY : CJC  
CHECKED BY :  
DATE :

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

TESC PLAN

SHEET  
**15**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Designer

Date: 4-11-19 EXPIRES 5-23-19

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**CONSTRUCTION NOTES**

- 1 EROSION CONTROL AT CULVERT END
- 2 TURBIDITY TEST AREA
- 3 EXISTING CULVERT TO BE REMOVED AND REPLACED
- 4 WETLANDS
- 5 COMPOST AMENDED VEGATATED FILTER STRIP
- 6 TRIANGULAR SILT DIKE

PARCEL #16917-000-000  
MARY ANN NORRIS

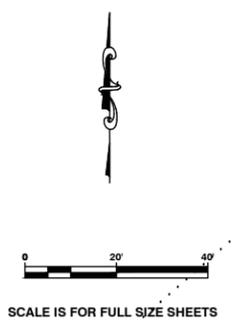
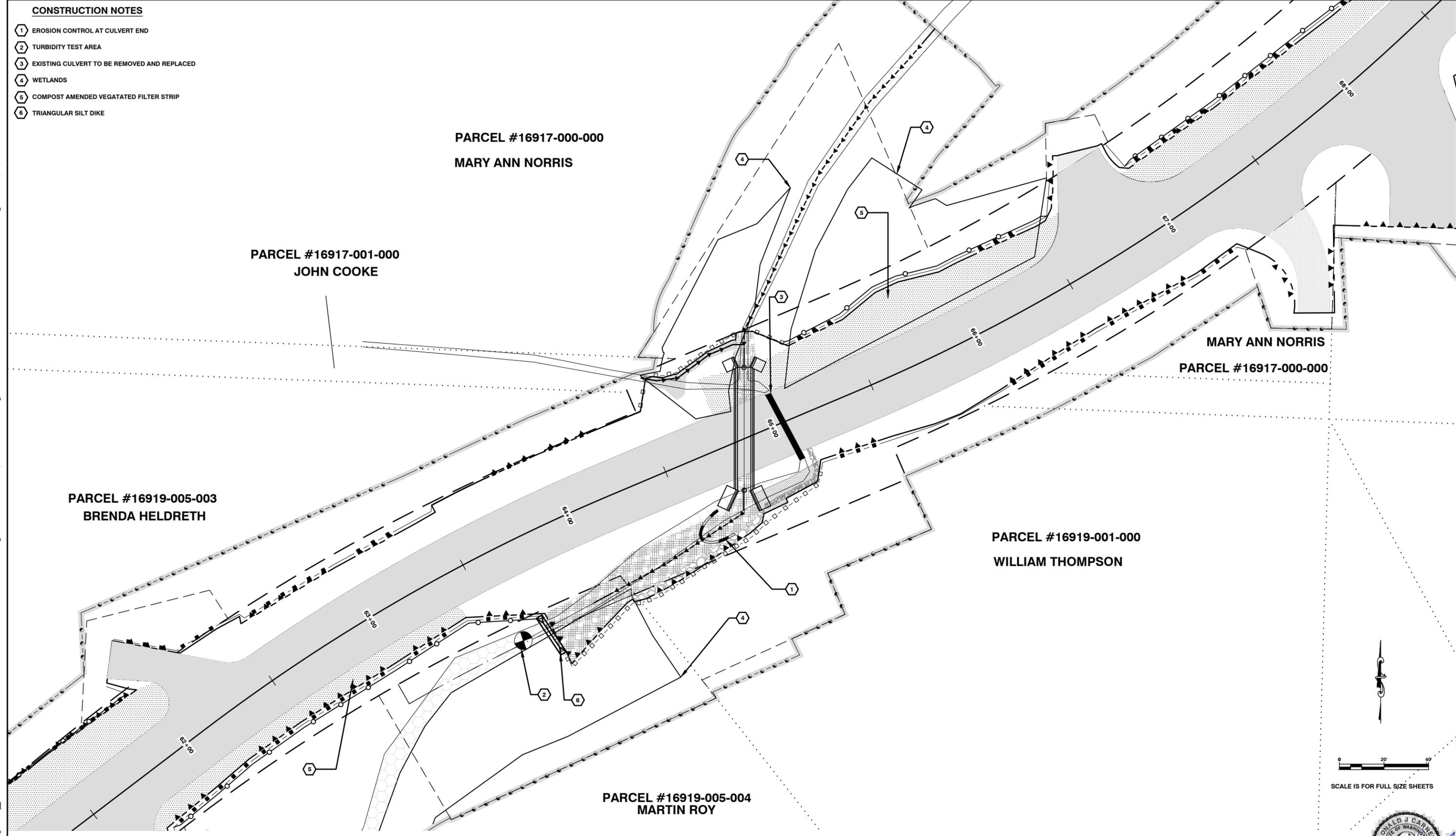
PARCEL #16917-001-000  
JOHN COOKE

PARCEL #16919-005-003  
BRENDA HELDRETH

PARCEL #16919-001-000  
WILLIAM THOMPSON

PARCEL #16919-005-004  
MARTIN ROY

MARY ANN NORRIS  
PARCEL #16917-000-000



**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
  
TESC PLAN

SHEET  
**16**  
OF  
**65**



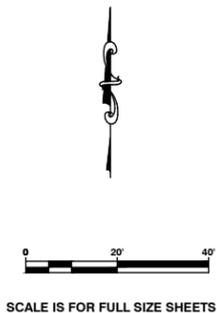
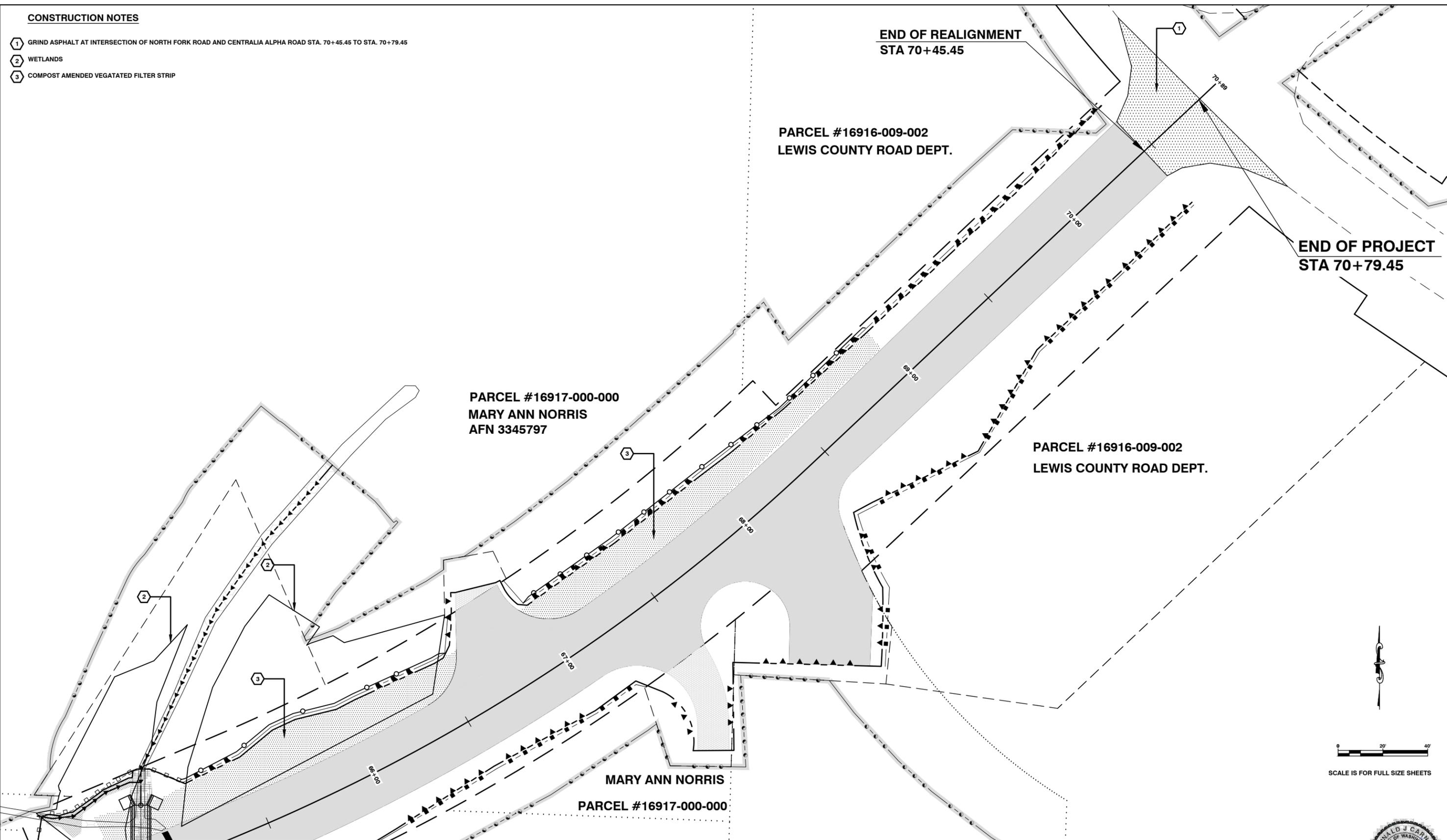
Donald J. Carney, P.E.  
Senior Engineer/Design  
*Donald J. Carney*  
Date: 4-11-19  
EXPIRES 5-23-19



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**CONSTRUCTION NOTES**

- ① GRIND ASPHALT AT INTERSECTION OF NORTH FORK ROAD AND CENTRALIA ALPHA ROAD STA. 70+45.45 TO STA. 70+79.45
- ② WETLANDS
- ③ COMPOST AMENDED VEGATATED FILTER STRIP



**Lewis County**  
 Department of Public Works  
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DRAWN BY : CJC					
CHECKED BY :					
DATE :					

**NORTH FORK ROAD  
 REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158  
 TESC PLAN

SHEET  
**17**  
 OF  
**65**



Donald J. Carney, P.E.  
 Senior Engineer/Design  
 Date: 4-11-19  
 EXPIRES 5-23-19

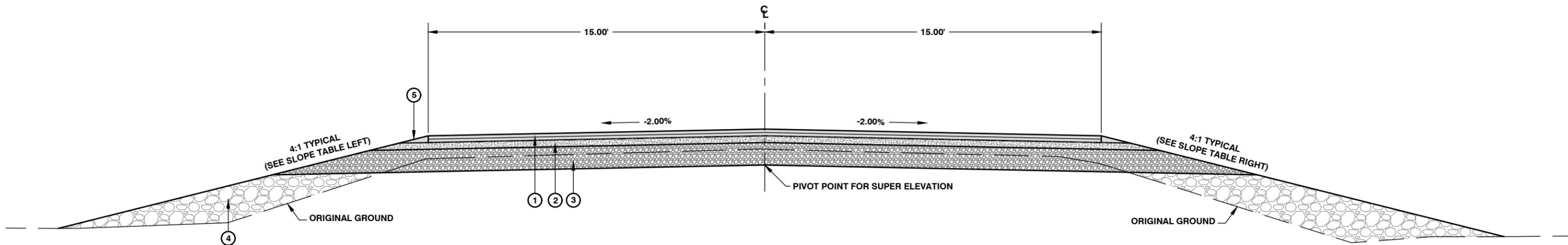


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- ① HMA CLASS 3/8" IN. PG 58H-22, 0.30' COMPACTED DEPTH (PAVE 2 LIFTS OF 0.15' COMPACTED DEPTH)
- ② CRUSHED SURFACING TOP COURSE, 0.30' COMPACTED DEPTH
- ③ CRUSHED SURFACING BASE COURSE, 1.00' COMPACTED DEPTH
- ④ SELECT BORROW WHEN REQUIRED TO ACHIEVE PROFILE ELEVATIONS (CRUSHED SURFACING BASE COURSE)
- ⑤ SHOULDER ROCK, 0.30' COMPACTED DEPTH (CRUSHED SURFACING TOP COURSE APPLIED AFTER PAVING)

**CONSTRUCTION NOTES**

ALL DISTANCES CALLED OUT WILL VARY WITHIN TRANSITION LIMITS  
 CROSS SLOPES SHALL FOLLOW SUPER ELEVATION RATES AS STAKED IN THE FIELD BY THE ENGINEER  
 COUNTY RIGHT OF WAY LIMITS WILL ALTER SOME SLOPES  
 SHOULDER WIDTHS WILL VARY IN GUARDRAIL AREAS AS STAKED IN THE FIELD BY THE ENGINEER



**SLOPE TABLE LEFT**

STA. 0+00.00 TO STA. 1+00.00 (TRANSITION SLOPE FROM 4:1 TO 5:1)  
 STA. 1+00.00 TO STA. 8+00.00 - 5:1  
 STA. 8+00.00 TO STA. 8+50.00 (TRANSITION SLOPE FROM 5:1 TO 4:1)  
 STA. 8+50.00 TO STA. 15+50.00 - 4:1  
 STA. 15+50.00 TO STA. 16+00.00 (TRANSITION SLOPE FROM 4:1 TO 5:1)  
 STA. 16+00.00 TO STA. 16+50.00 (TRANSITION SLOPE FROM 5:1 TO 6:1)  
 STA. 16+50.00 TO STA. 19+50.00 - 6:1  
 STA. 19+50.00 TO STA. 20+00.00 (TRANSITION SLOPE FROM 6:1 TO 5:1)  
 STA. 20+00.00 TO STA. 20+50.00 - 5:1  
 STA. 20+50.00 TO STA. 21+00.00 (TRANSITION SLOPE FROM 5:1 TO 4:1)  
 STA. 21+00.00 TO STA. 41+00.00 - 4:1  
 STA. 41+00.00 TO STA. 41+50.00 (TRANSITION SLOPE FROM 4:1 TO 5:1)  
 STA. 41+50.00 TO STA. 42+50.00 - 5:1  
 STA. 42+50.00 TO STA. 43+00.00 (TRANSITION SLOPE FROM 5:1 TO 6:1)  
 STA. 43+00.00 TO STA. 50+00.00 - 6:1  
 STA. 50+00.00 TO STA. 50+50.00 (TRANSITION SLOPE FROM 6:1 TO 5:1)  
 STA. 50+50.00 TO STA. 51+00.00 (TRANSITION SLOPE FROM 5:1 TO 4:1)  
 STA. 51+00.00 TO STA. 58+50.00 - 4:1  
 STA. 58+50.00 TO STA. 59+00.00 (TRANSITION SLOPE FROM 4:1 TO 5:1)  
 STA. 59+00.00 TO STA. 59+50.00 (TRANSITION SLOPE FROM 5:1 TO 6:1)  
 STA. 59+50.00 TO STA. 63+00.00 - 6:1  
 STA. 63+00.00 TO STA. 64+00.00 (TRANSITION SLOPE FROM 6:1 TO 8:1\_2:1)  
 STA. 64+00.00 TO STA. 65+50.00 - 8:1\_2:1  
 STA. 65+50.00 TO STA. 66+00.00 (TRANSITION SLOPE FROM 8:1\_2:1 TO 7:1)  
 STA. 66+00.00 TO STA. 66+50.00 (TRANSITION SLOPE FROM 7:1 TO 6:1)  
 STA. 66+50.00 TO STA. 70+45.45 - 6:1

**ROADWAY SECTION**

STA. 0+00.00 TO STA. 70+45.45  
 NOT TO SCALE

**SLOPE TABLE RIGHT**

STA. 0+00.00 TO STA. 0+50.00 (TRANSITION SLOPE FROM 3.4:1 TO 4:1)  
 STA. 0+50.00 TO STA. 22+50.03- 4:1  
 STA. 22+50.03 TO STA. 23+00.00 (TRANSITION SLOPE FROM 4:1 TO 5:1)  
 STA. 23+00.00 TO STA. 23+50.00 (TRANSITION SLOPE FROM 5:1 TO 6:1)  
 STA. 23+50.00 TO STA. 26+50.00 - 6:1  
 STA. 26+50.00 TO STA. 26+50.00 (TRANSITION SLOPE FROM 6:1 TO 5:1)  
 STA. 26+50.00 TO STA. 28+50.00 - 5:1  
 STA. 28+50.00 TO STA. 29+00.00 (TRANSITION SLOPE FROM 5:1 TO 6:1)  
 STA. 29+00.00 TO STA. 36+00.00 - 6:1  
 STA. 36+00.00 TO STA. 36+50.00 (TRANSITION SLOPE FROM 6:1 TO 5:1)  
 STA. 36+50.00 TO STA. 37+00.00 (TRANSITION SLOPE FROM 5:1 TO 4:1)  
 STA. 37+00.00 TO STA. 50+50.00 - 4:1  
 STA. 50+50.00 TO STA. 51+00.00 (TRANSITION SLOPE FROM 4:1 TO 5:1)  
 STA. 51+00.00 TO STA. 59+00.00 - 5:1  
 STA. 59+00.00 TO STA. 59+50.00 (TRANSITION SLOPE FROM 5:1 TO 4:1)  
 STA. 59+50.00 TO STA. 63+00.00 - 4:1  
 STA. 63+00.00 TO STA. 63+50.00 (TRANSITION SLOPE FROM 4:1 TO 3:1)  
 STA. 63+50.00 TO STA. 63+74.79 - 3:1  
 STA. 63+74.79 TO STA. 64+50.00 (TRANSITION SLOPE FROM 3:1 TO 2:1)  
 STA. 64+50.00 TO STA. 65+00.60 - 2:1  
 STA. 65+00.60 TO STA. 65+50.00 (TRANSITION SLOPE FROM 2:1 TO 3:1)  
 STA. 65+50.00 TO STA. 66+00.00 (TRANSITION SLOPE FROM 3:1 TO 4:1)  
 STA. 66+00.00 TO STA. 67+50.00 - 4:1  
 STA. 67+50.00 TO STA. 68+00.00 (TRANSITION SLOPE FROM 4:1 TO 5:1)  
 STA. 68+00.00 TO STA. 68+50.00 (TRANSITION SLOPE FROM 5:1 TO 6:1)  
 STA. 68+50.00 TO STA. 69+00.00 (TRANSITION SLOPE FROM 6:1 TO 7:1)  
 STA. 69+00.00 TO STA. 69+50.00 - 7:1  
 STA. 69+50.00 TO STA. 70+45.45 (TRANSITION SLOPE FROM 7:1 TO 6:1)

**Lewis County**  
 Department of Public Works  
 2025 NE KRESKY AVE.  
 CHEHALIS WA 98532  
 PHONE # (360) 740-1123  
 FAX # (360) 740-2719

DESIGNED BY : J. PIPER	NO.	DATE	REVISION	BY	APP.
DRAWN BY : KLC					
CHECKED BY :					
DATE :					

**NORTH FORK ROAD  
 REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158

ROADWAY SECTION

**SHEET**  
 18  
 OF  
 65

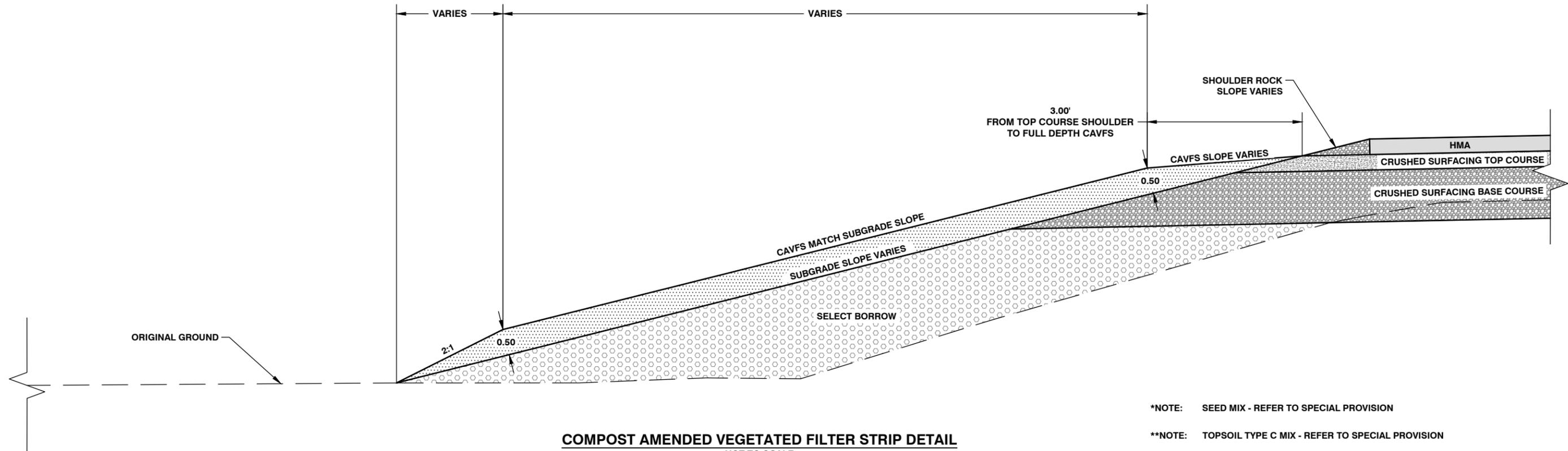


Donald J. Carney, P.E.  
 Senior Engineer/Design

Date: 4-11-19

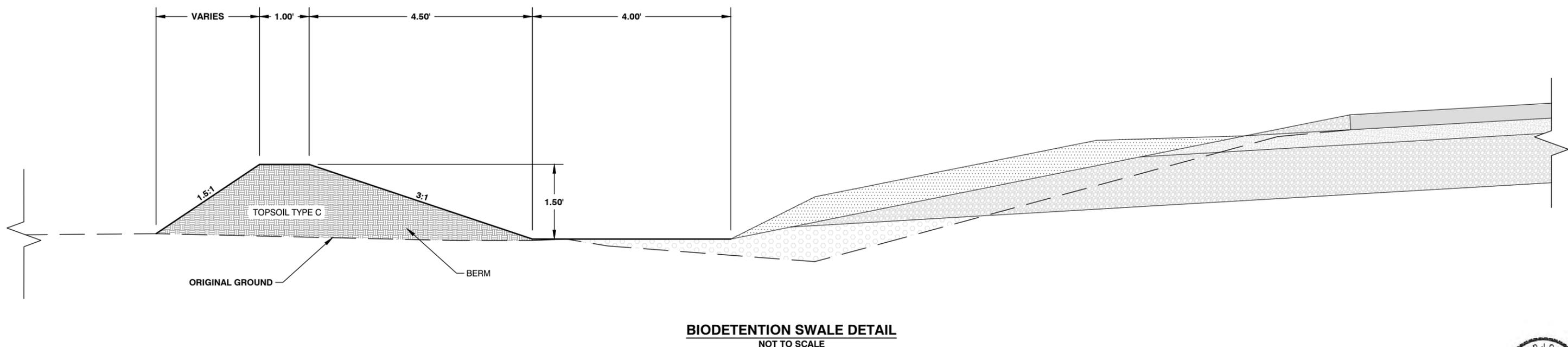


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**COMPOST AMENDED VEGETATED FILTER STRIP DETAIL**  
NOT TO SCALE

- \*NOTE: SEED MIX - REFER TO SPECIAL PROVISION
- \*\*NOTE: TOPSOIL TYPE C MIX - REFER TO SPECIAL PROVISION
- \*\*\*NOTE: SEE SPECIAL PROVISION "COMPOST AMENDED VEGETATED FILTER STRIPS PREMIX PRIOR TO APPLICATION"



**BIODETENTION SWALE DETAIL**  
NOT TO SCALE

**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY : DJC  
DRAWN BY : J. PIPER  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

COMPOST AMENDED VEGETATED FILTER STRIP  
BIODETENTION SWALE DETAILS

SHEET  
**19**  
OF  
**65**



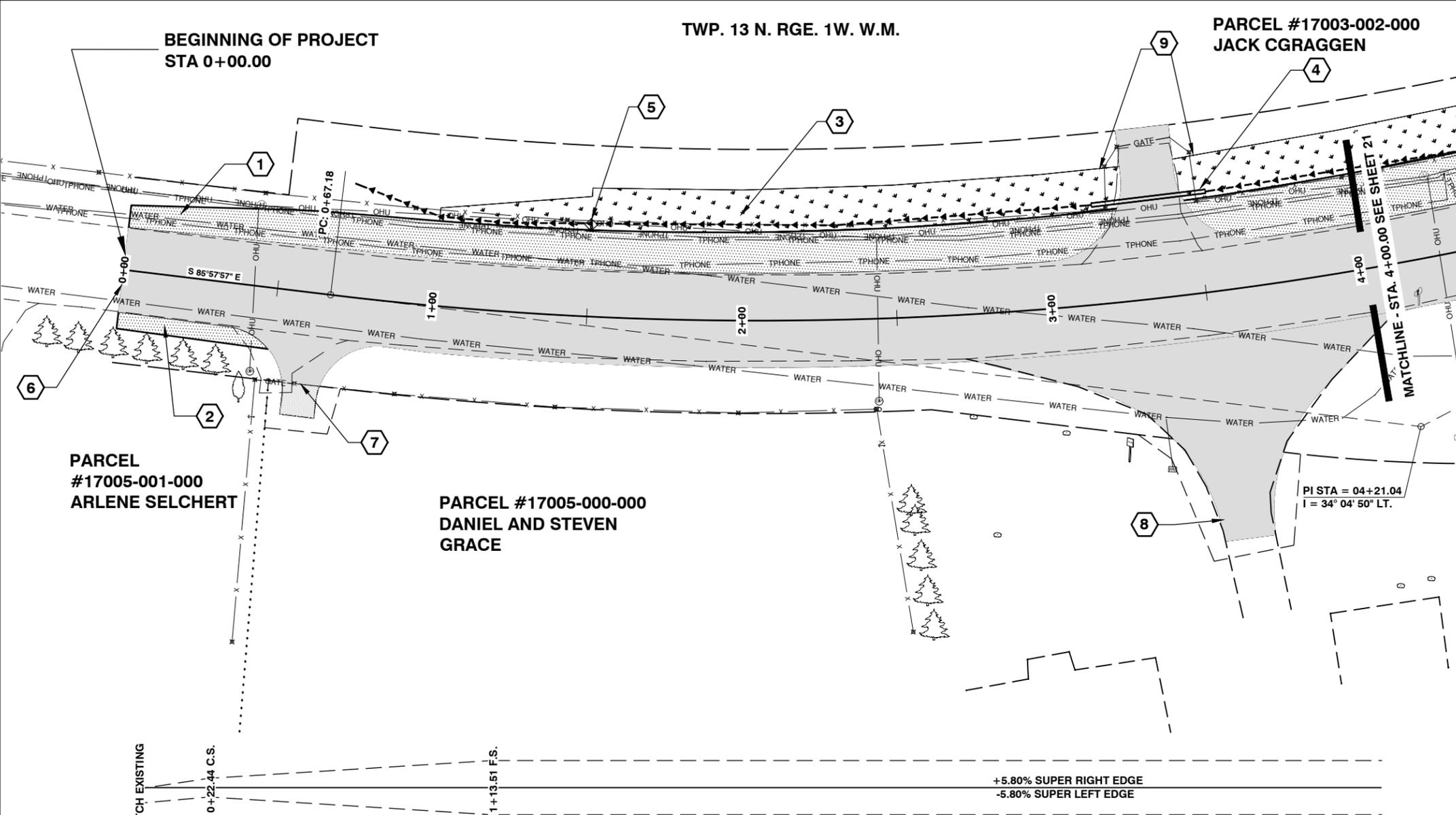
Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



TWP. 13 N. RGE. 1W. W.M.

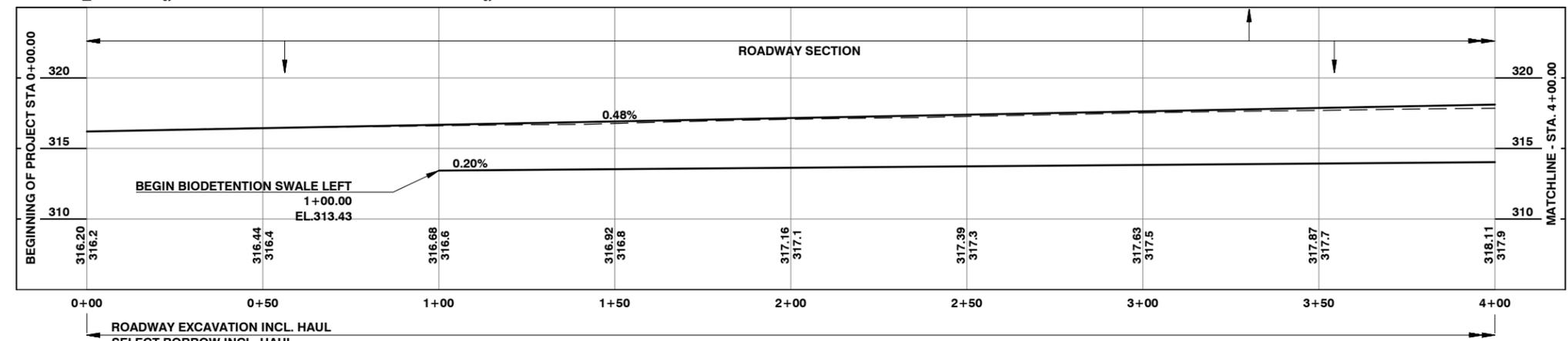
PARCEL #17003-002-000  
JACK CGRAGGEN

BEGINNING OF PROJECT  
STA 0+00.00



**CONSTRUCTION NOTES:**

- 1 STA 0+00.00 TO STA 22+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL  
ON SHEET 19 OF 65  
4302 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.89 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 0+00.00 TO STA 0+50.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL  
ON SHEET 19 OF 65  
27 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.01 ACRES SEEDING, FERTILIZING AND MULCHING
- 3 STA. 1+00.00 TO STA 8+00.00 LEFT  
CONSTRUCT BIODETENTION SWALE  
0.21 ACRES SEEDING, FERTILIZING AND MULCHING  
SEE BIODETENTION SWALE DETAIL ON SHEET 19 OF 65
- 4 STA 3+35.29 LEFT  
CONSTRUCT CL. V REINF. CONC. CULV. PIPE 12" DIAM., 37.00' LONG  
OUTLET INV. = 313.88' (STA. 3+15.80) 32.02' LEFT  
INLET INV. = 313.96' (STA. 3+53.84) 32.93' LEFT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 43 OF 65
- 5 STA 1+50.00  
CONSTRUCT CHECK DAM  
SEE CHECK DAM DETAIL ON SHEET 38 OF 65
- 6 STA 0+00.00  
CONSTRUCT TYPICAL BUTT JOINT  
SEE TYPICAL BUTT JOINT DETAIL ON SHEET 39 OF 65
- 7 STA 0+61.00 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 43 OF 65
- 8 STA 3+54.07 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 43 OF 65
- 9 STA 3+54.07 LEFT  
ADJUST BIODETENTION SWALE TO FIT DRIVEWAY  
AS STAKED IN THE FIELD BY THE ENGINEER.



NOTES:  
ALL EXISTING PAVEMENT SHALL  
BE GROUND.  
ALL VEGETATION INCLUDING  
TREES/STUMPS WITHIN CLEARING  
LIMITS SHALL BE "CLOSE CUT" TO  
ORIGINAL GROUND LEVEL.

PART OF THE NW 1/4, NE 1/4 SECTION 16  
& SW 1/4, NE 1/4, SECTION 16  
TWP. 13 N. RGE. 1W. W.M.  
HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'  
SCALE IS FOR FULL SIZE SHEETS



**Lewis County**  
Department of Public Works  
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DESIGNED BY :  
DRAWN BY : CJC  
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DATE :

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**NORTH FORK ROAD  
REALIGNMENT PROJECT**

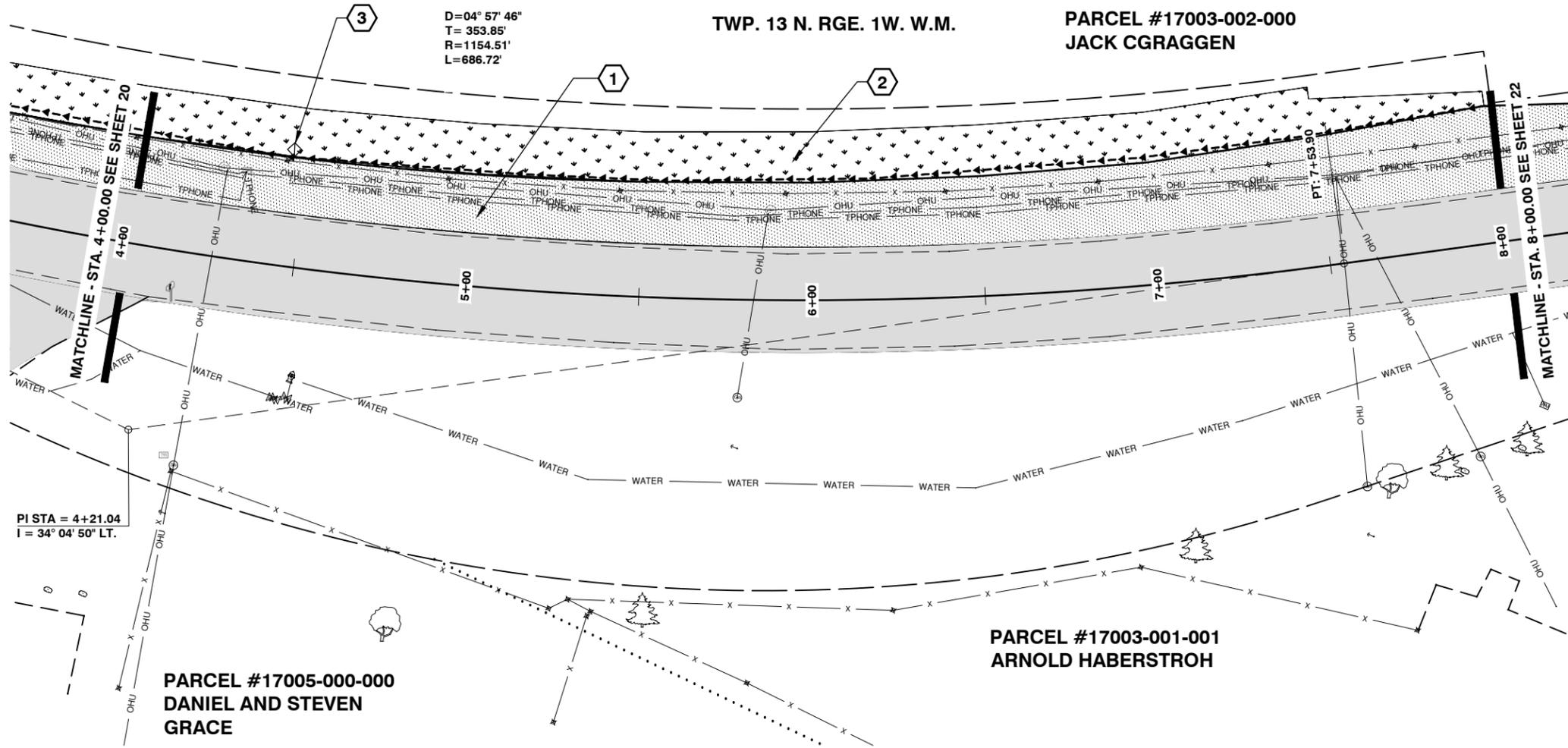
RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
PLAN AND PROFILE

SHEET  
**20**  
OF  
**65**

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

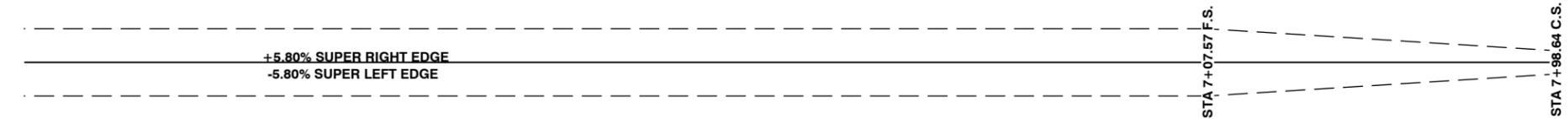
Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19

EXPIRES 5-23-19



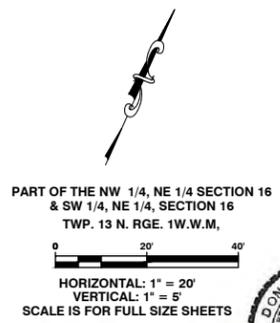
**CONSTRUCTION NOTES:**

- 1 STA 0+00.00 TO STA 22+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
4302 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.89 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA. 1+00.00. TO STA 8+00.00 LEFT  
CONSTRUCT BIODETENTION SWALE  
0.21 ACRES SEEDING, FERTILIZING AND MULCHING  
SEE BIODETENTION SWALE DETAIL ON SHEET 19 OF 65
- 3 STA 4+50.00  
CONSTRUCT CHECK DAM  
SEE CHECK DAM DETAIL ON SHEET 38 OF 65



ROADWAY SECTION	
325	325
320	320
315	315
310	310
4+00	8+00
318.11 317.9	320.02 319.1
318.35 317.9	
318.59 318.0	
318.83 318.2	
319.07 318.4	
319.31 318.5	
319.54 318.6	
319.78 318.9	

**NOTES :**  
ALL EXISTING PAVEMENT SHALL BE GROUND.  
ALL VEGETATION INCLUDING TREES/STUMPS WITHIN CLEARING LIMITS SHALL BE "CLOSE CUT" TO ORIGINAL GROUND LEVEL.



PART OF THE NW 1/4, NE 1/4 SECTION 16 & SW 1/4, NE 1/4, SECTION 16 TWP. 13 N. RGE. 1W.W.M.

**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
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FAX # (360) 740-2719

DESIGNED BY :	NO.	DATE	REVISION	BY	APP.
DRAWN BY : CJC					
CHECKED BY :					
DATE :					

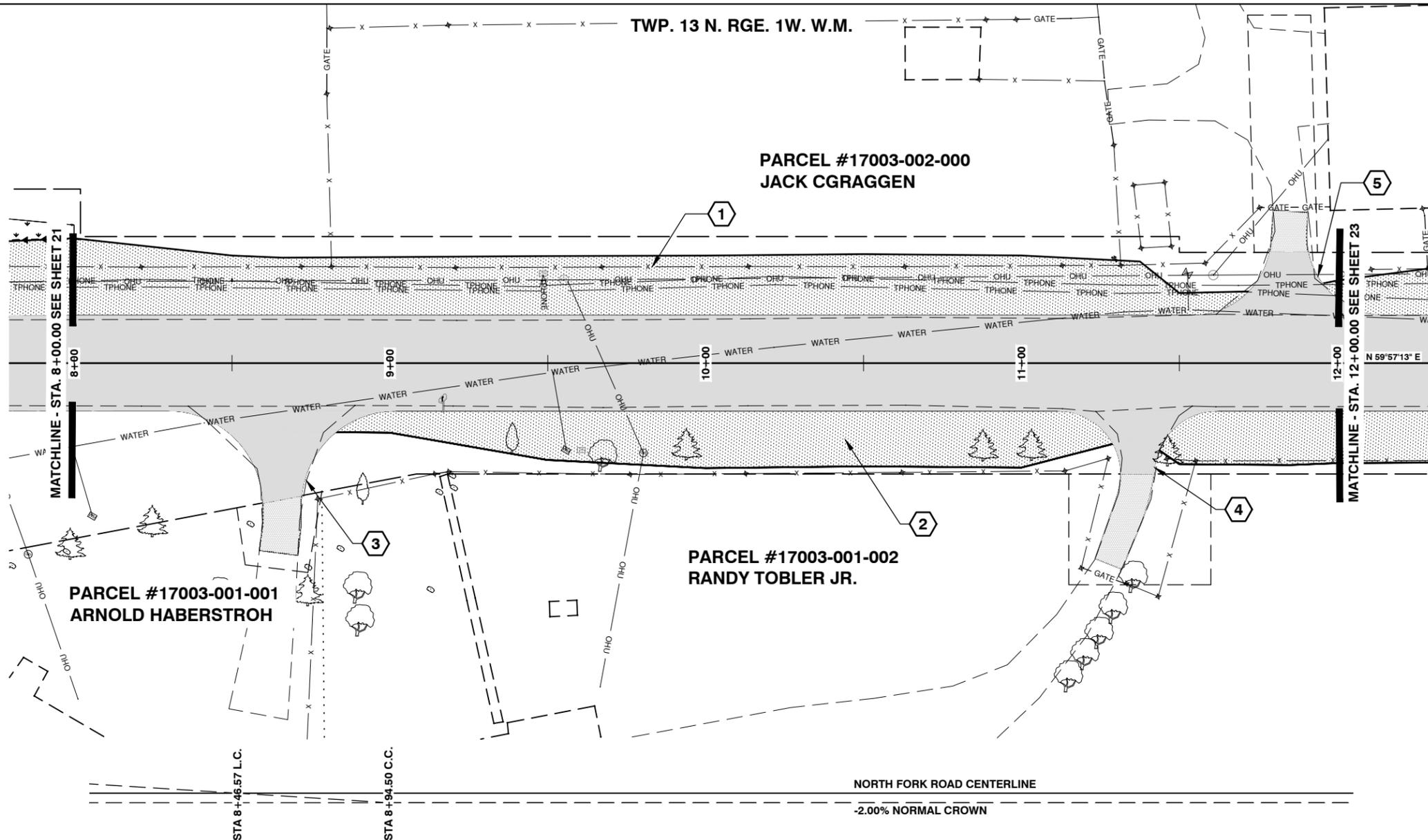
**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
PLAN AND PROFILE

SHEET  
**21**  
OF  
**65**

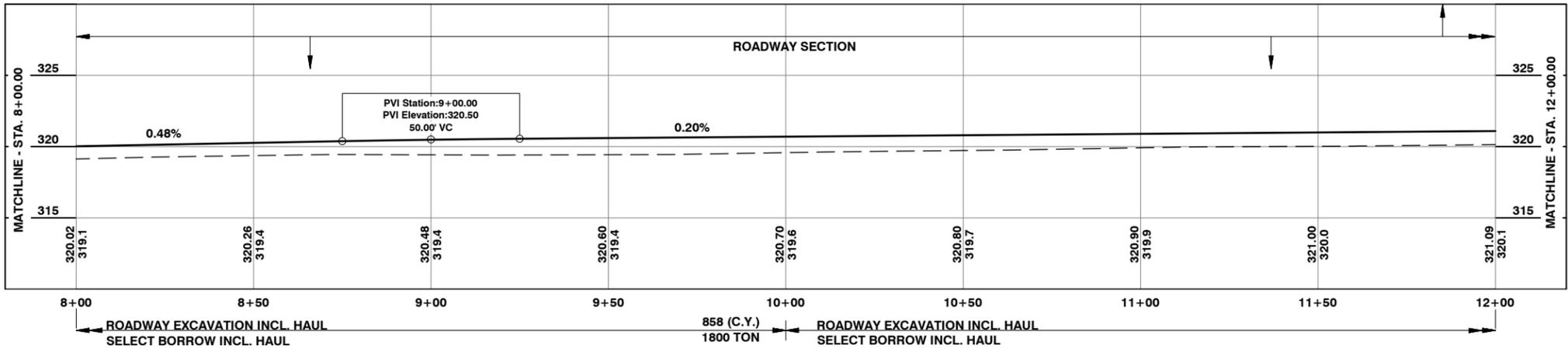
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Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19  
EXPIRES 5-23-19

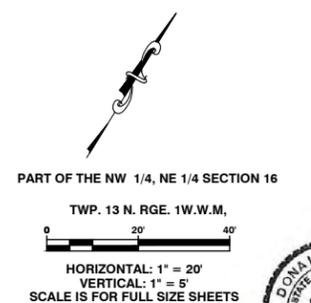


**CONSTRUCTION NOTES:**

- 1 STA 0+00.00 TO STA 22+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
4302 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.89 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 8+80.00 TO STA 15+80.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
1186 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.24 ACRES SEEDING, FERTILIZING AND MULCHING
- 3 STA 8+65.84 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 44 OF 65
- 4 STA 11+37.53 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 44 OF 65
- 5 STA 11+84.00 LEFT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 44 OF 65



NOTES :  
ALL EXISTING PAVEMENT SHALL BE GROUND.  
ALL VEGETATION INCLUDING TREES/STUMPS WITHIN CLEARING LIMITS SHALL BE "CLOSE CUT" TO ORIGINAL GROUND LEVEL.



**Lewis County**  
Department of Public Works

2025 N. E. KRESKY AVE.  
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**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

PLAN AND PROFILE

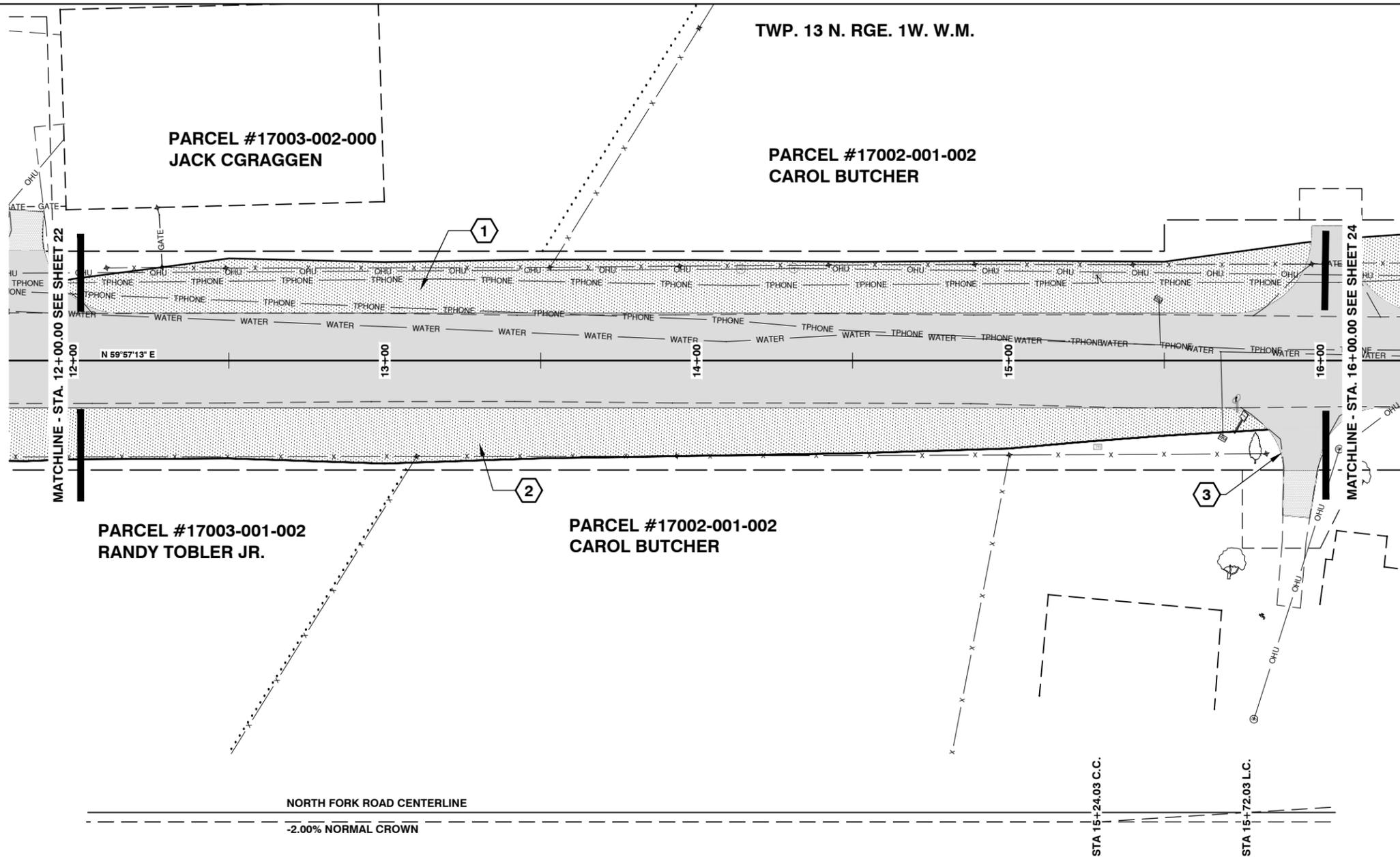
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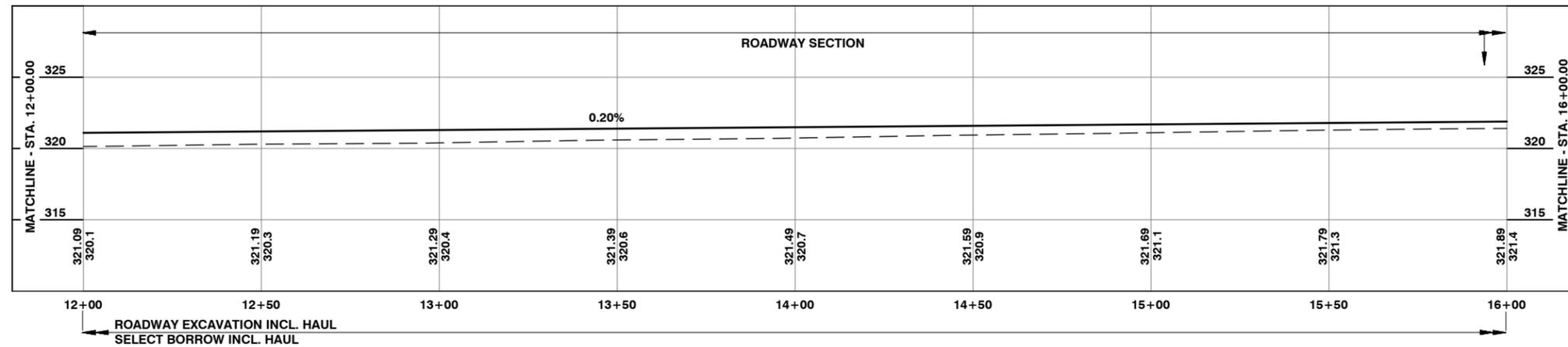
Donald J. Carney, P.E.  
Senior Engineer/Design

Date: 4-11-19

EXPIRES 5-23-19



NORTH FORK ROAD CENTERLINE  
-2.00% NORMAL CROWN



**CONSTRUCTION NOTES:**

- 1 STA 0+00.00 TO STA 22+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
4302 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.89 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 8+80.00 TO STA 15+80.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
1186 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.24 ACRES SEEDING, FERTILIZING AND MULCHING
- 3 STA 15+94.32 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 45 OF 65

**NOTES :**  
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ALL VEGETATION INCLUDING TREES/STUMPS WITHIN CLEARING LIMITS SHALL BE "CLOSE CUT" TO ORIGINAL GROUND LEVEL.



PART OF THE NW 1/4, NE 1/4 SECTION 16  
& NW 1/4, NE 1/4, SECTION 16  
TWP. 13 N. RGE. 1W.W.M.,  
0 20' 40'  
HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'  
SCALE IS FOR FULL SIZE SHEETS

**Lewis County**  
Department of Public Works

2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY :	NO.	DATE	REVISION	BY	APP.
DRAWN BY : CJC					
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DATE :					

**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

PLAN AND PROFILE

SHEET  
**23**  
OF  
**65**

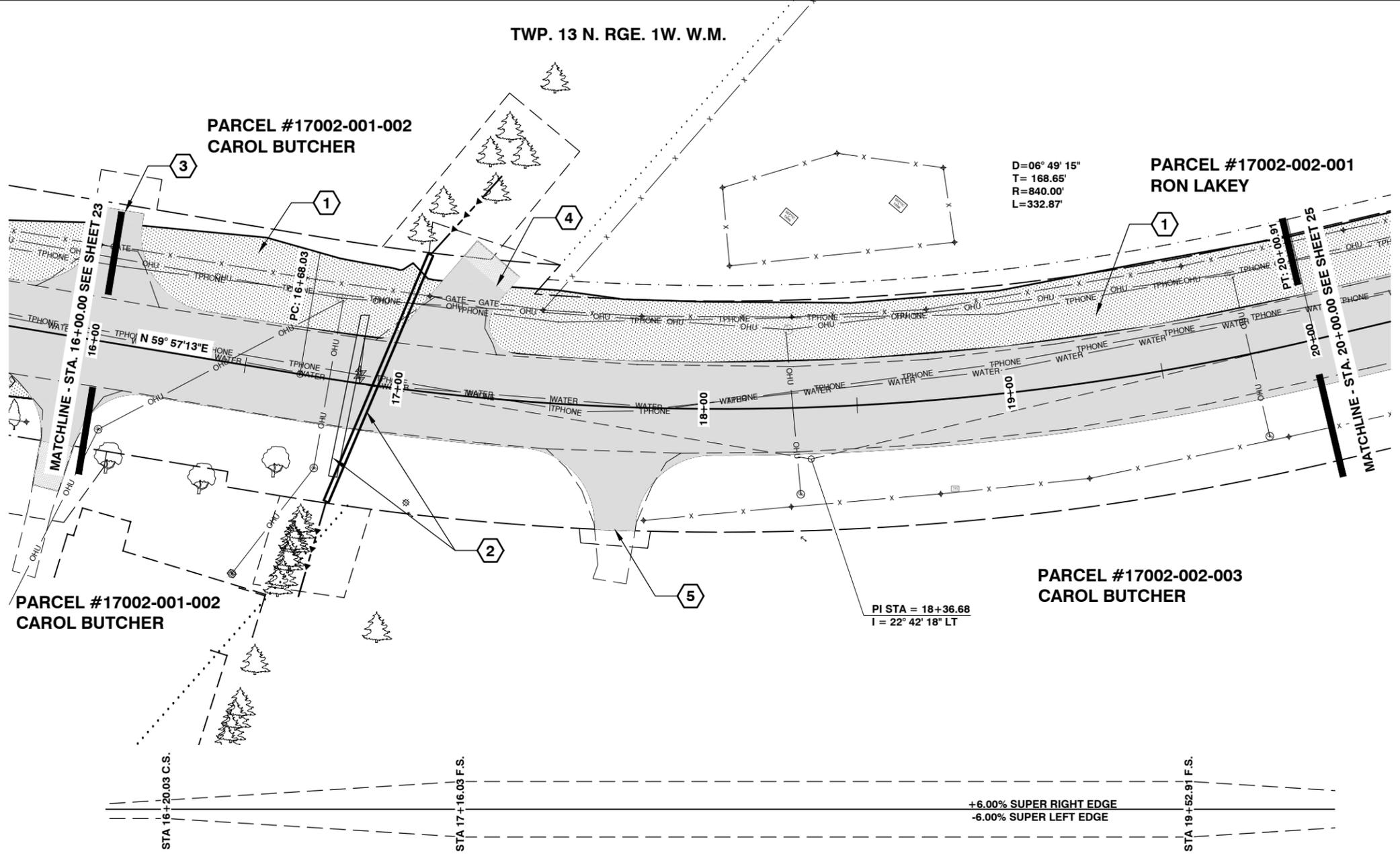


Donald J. Carney, P.E.  
Senior Engineer/Design

*Donald J. Carney*  
Date: 4-11-19

PROFESSIONAL ENGINEER  
EXPIRES 5-23-19

TWP. 13 N. RGE. 1W. W.M.



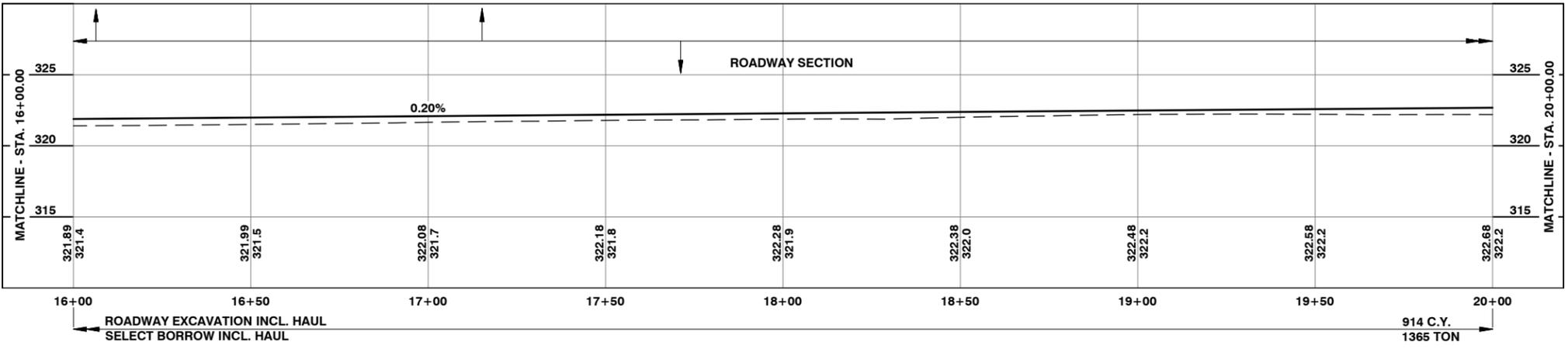
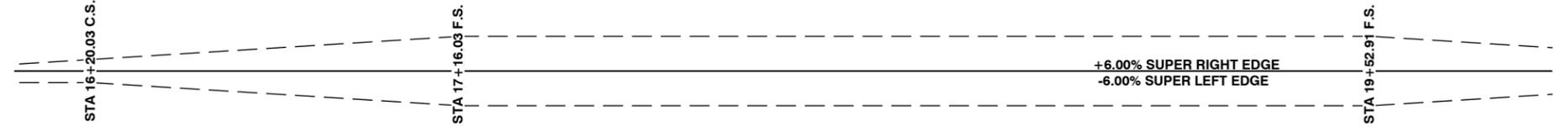
**CONSTRUCTION NOTES:**

- 1 STA 0+00.00 TO STA 22+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
4302 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.89 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 16+85.02  
REMOVE EXISTING 18 IN. DIAM. CONC. CULV. PIPE, 53.51' LONG  
8 C.Y. STRUCTURE EXCAVATION CLASS B INCL. HAUL  
14 TON SELECT BORROW INCL. HAUL  
STA 16+92.77 CONSTRUCT SCHEDULE A. CULV. PIPE 18 IN. DIAM., 87.00' LONG  
OUTLET INV. = 315.83' (STA 16+82.47) 39.46' RIGHT  
INLET INV. = 316.35' (STA 17+05.66) 44.44' LEFT  
SEE 18 IN. DIAM. SCHEDULE A CULVERT DETAIL ON SHEET 39 OF 65  
12 C.Y. STRUCTURE EXCAVATION CLASS B INCL. HAUL  
30 TON SELECT BORROW INCL. HAUL
- 3 STA 16+03.34 LEFT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 45 OF 65
- 4 STA 16+97.00 LEFT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 45 OF 65
- 5 STA 17+72.66 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 46 OF 65

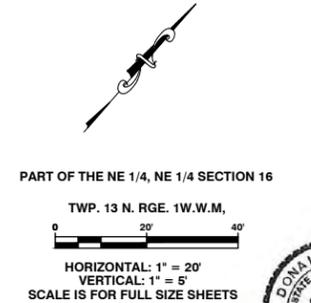
PARCEL #17002-001-002  
CAROL BUTCHER

PARCEL #17002-002-001  
RON LAKEY

PARCEL #17002-002-003  
CAROL BUTCHER



NOTES :  
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Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
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CHECKED BY :  
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**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

PLAN AND PROFILE

SHEET  
**24**  
OF  
**65**



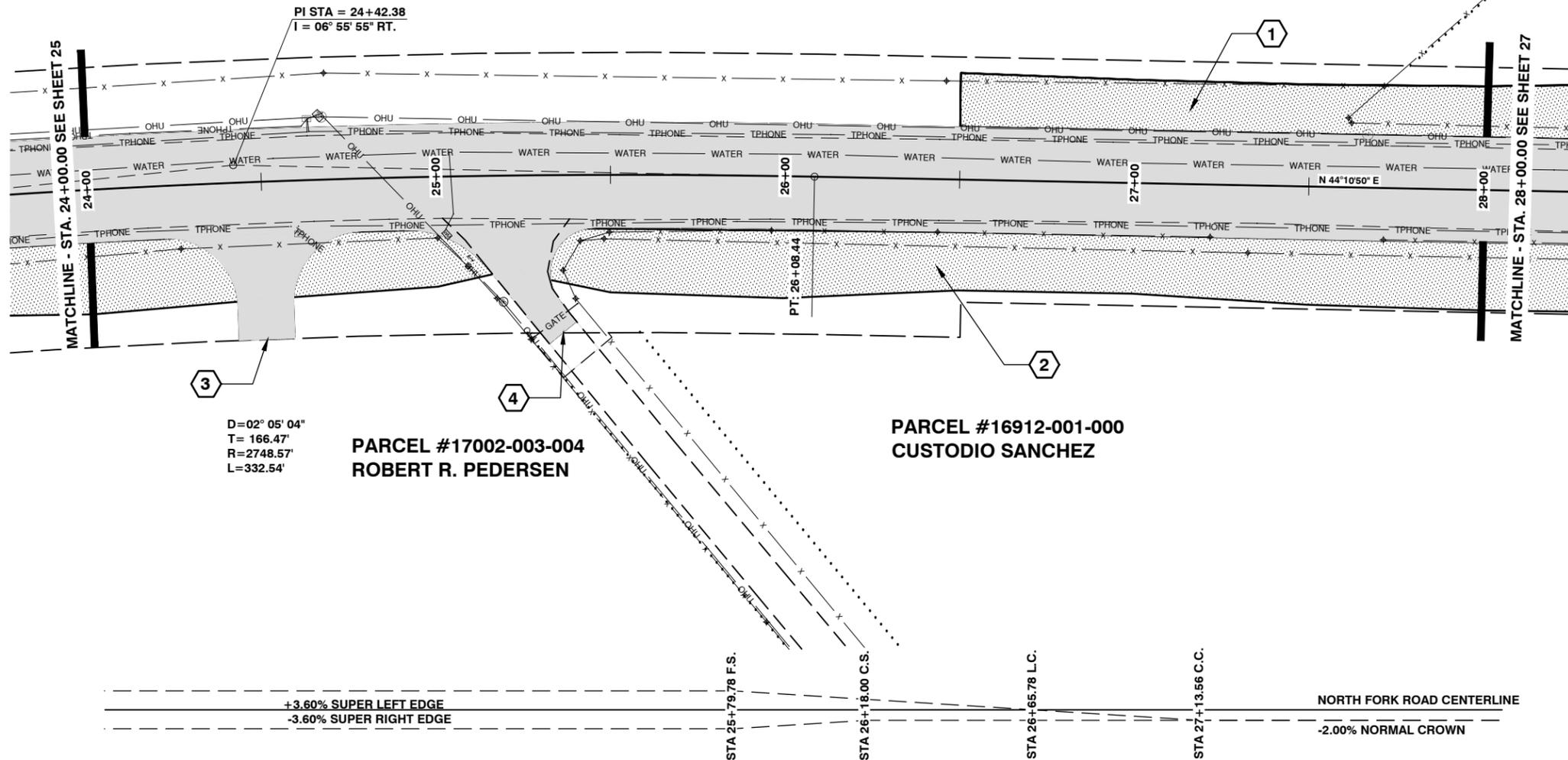
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Date: 4-11-19





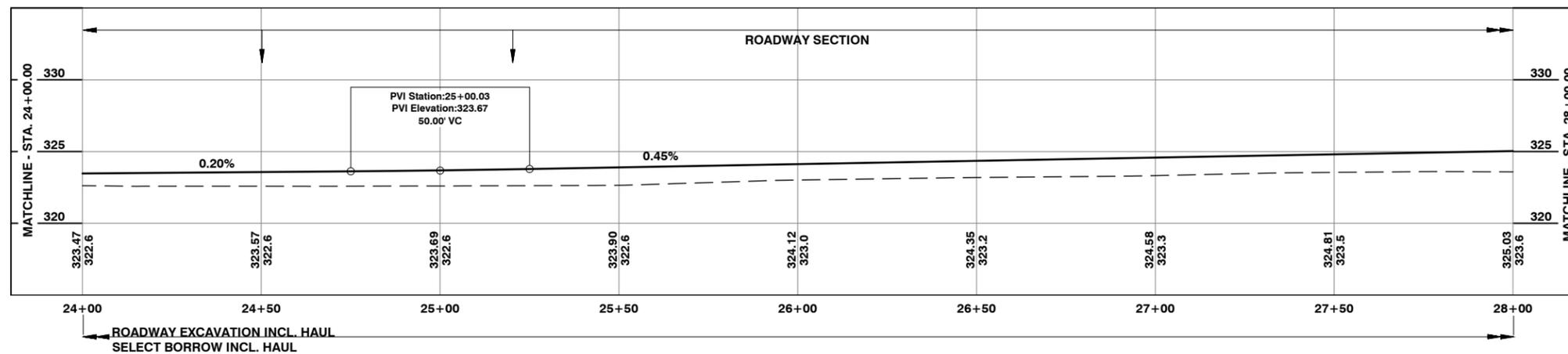
TWP. 13 N. RGE. 1W. W.M.

PARCEL #16912-002-018  
ROY C. VAN DONSEL

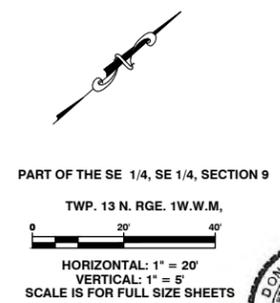


**CONSTRUCTION NOTES:**

- 1 STA 26+50.00 TO STA 29+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
527 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.11 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 21+00.00 TO STA 41+00.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
3626 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.75 ACRES SEEDING, FERTILIZING AND MULCHING
- 3 STA 24+50.00 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 47 OF 65
- 4 STA 25+20.00 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 48 OF 65



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Lewis County  
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PLAN AND PROFILE

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Date: 4-11-19  
EXPIRES 5-23-19

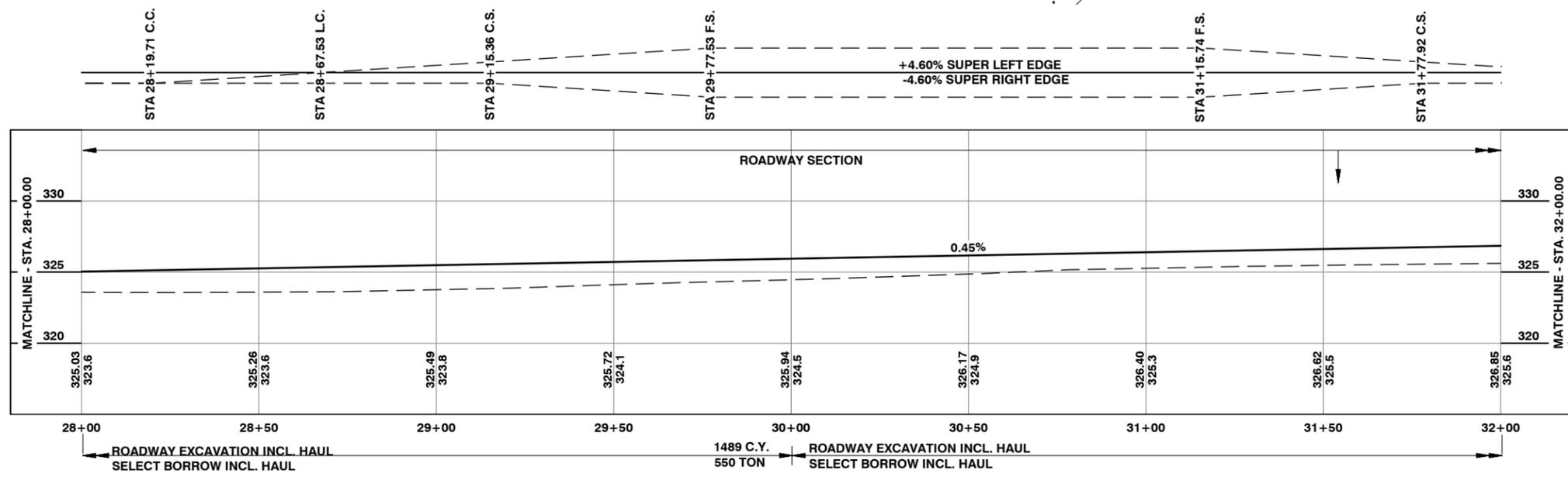
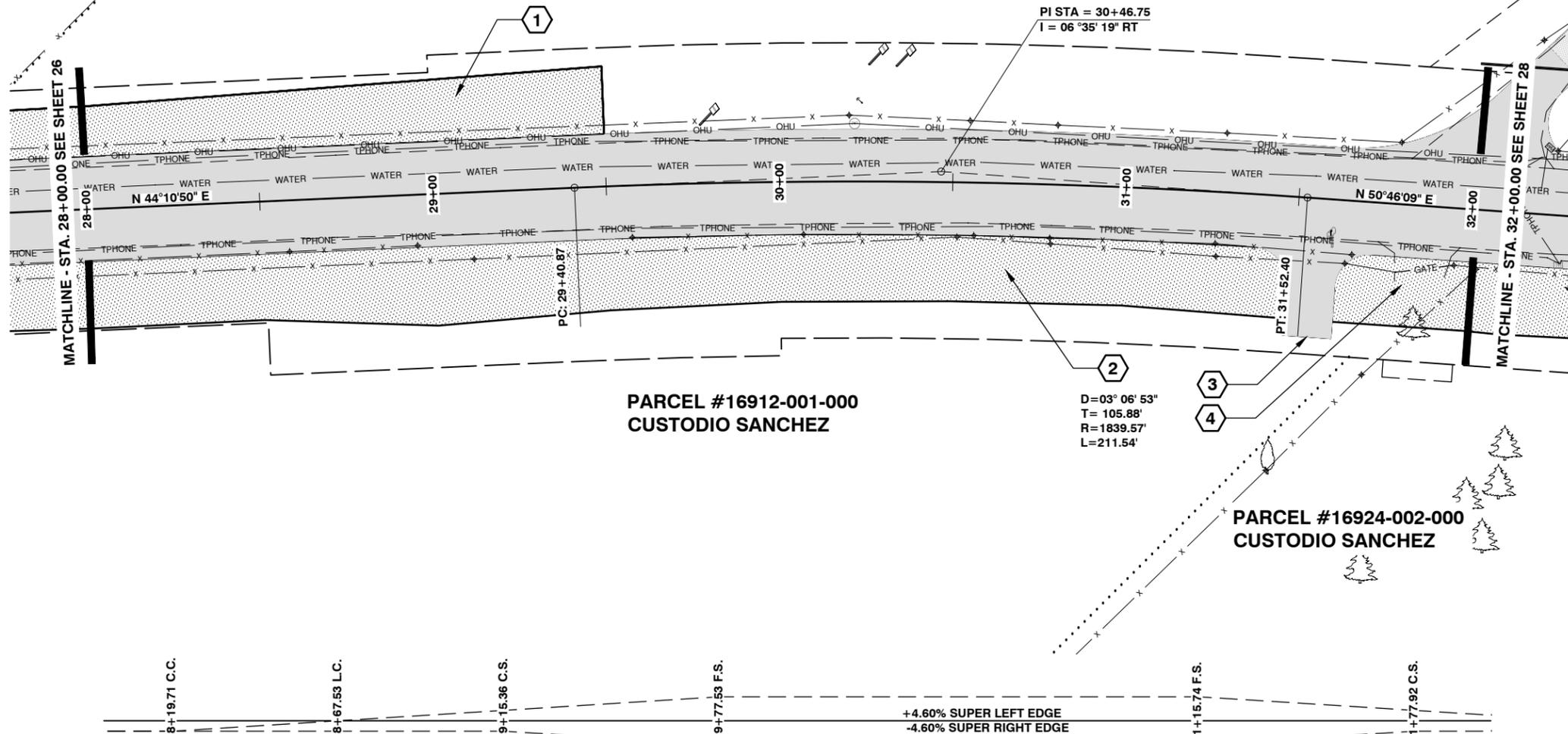


TWP. 13 N. RGE. 1W. W.M.

PARCEL #16912-002-000  
ROBERT E. HARRIS

PARCEL #16912-001-000  
CUSTODIO SANCHEZ

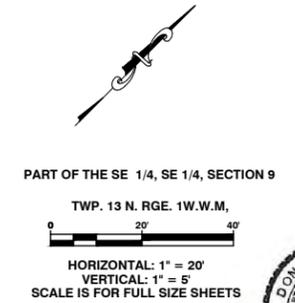
PARCEL #16924-002-000  
CUSTODIO SANCHEZ



**CONSTRUCTION NOTES:**

- 1 STA 26+50.00 TO STA 29+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
527 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.11 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 21+00.00 TO STA 41+00.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
3626 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.75 ACRES SEEDING, FERTILIZING AND MULCHING
- 3 STA 31+55.00 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 48 OF 65
- 4 APPROACH ABANDONED AND RELOCATED TO STA. 31+55.00 RIGHT

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PLAN AND PROFILE

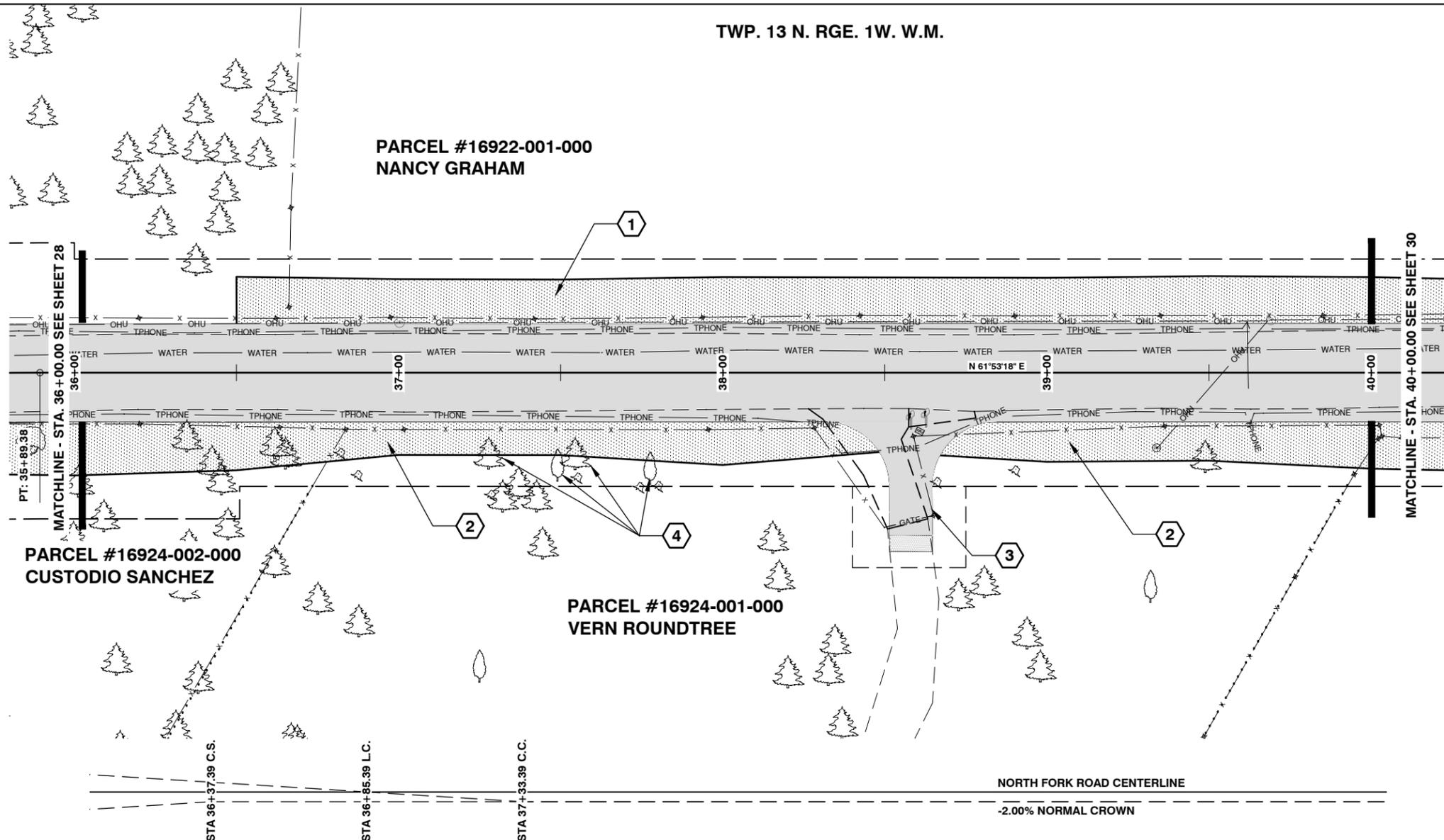
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**27**  
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Date: 4-11-19  
EXPIRES 5-23-19

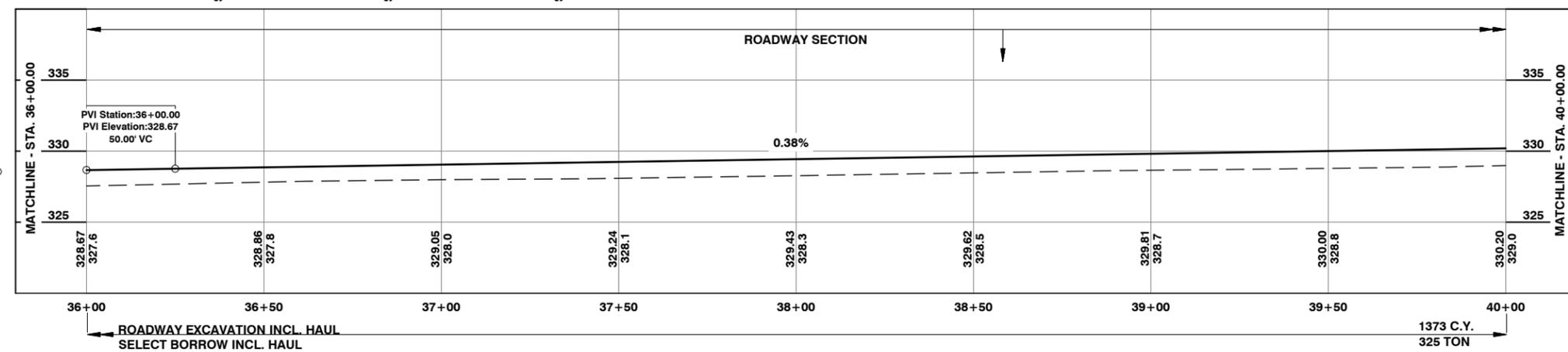


TWP. 13 N. RGE. 1W. W.M.



**CONSTRUCTION NOTES:**

- 1 STA 36+50.00 TO STA 51+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
3657 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.75 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 21+00.00 TO STA 41+00.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
3626 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.75 ACRES SEEDING, FERTILIZING AND MULCHING
- 3 STA 38+58.00 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 49 OF 65
- 4 REMOVE 4 TREES  
SEE ROAD CONSTRUCTION AGREEMENT,  
PARCEL NO. 16924-001-000  
REGARDING TREE SALVAGE.



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PART OF THE SW 1/4, SW 1/4, SECTION 10  
TWP. 13 N. RGE. 1W. W.M.  
HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'  
SCALE IS FOR FULL SIZE SHEETS



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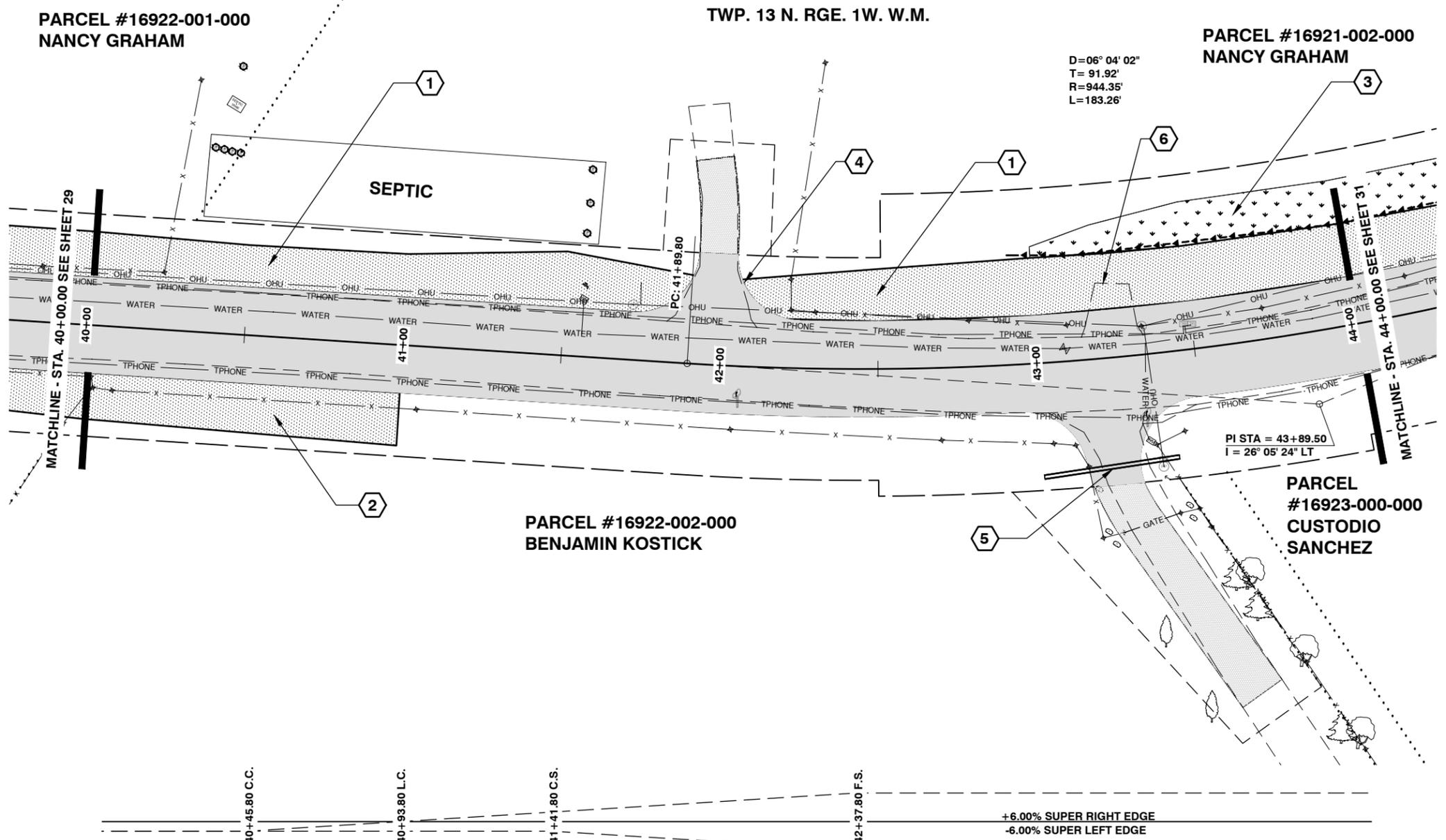
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PLAN AND PROFILE

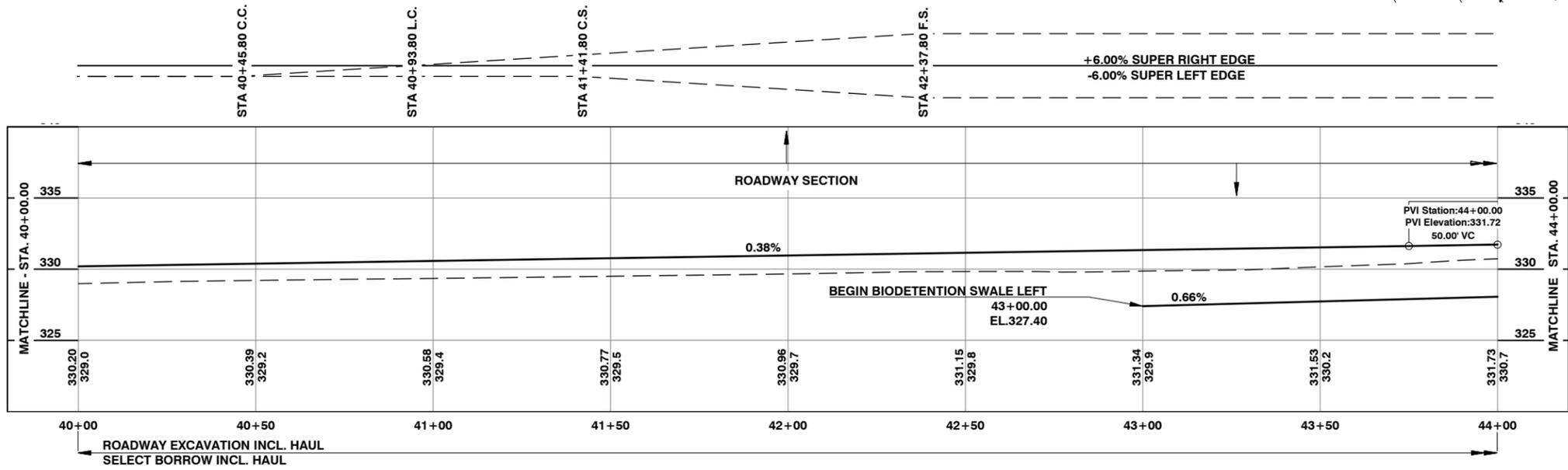
SHEET  
**29**  
OF  
**65**



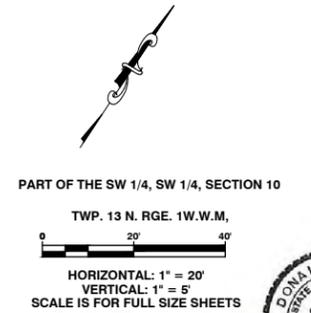
Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19  
EXPIRES 5-23-19



- CONSTRUCTION NOTES:**
- ① STA 36+5.00 TO STA 51+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
3657 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.75 ACRES SEEDING, FERTILIZING AND MULCHING
  - ② STA 21+00.00 TO STA 41+00.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
3626 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.75 ACRES SEEDING, FERTILIZING AND MULCHING
  - ③ STA. 43+00.00. TO STA 46+50.00 LEFT  
CONSTRUCT BIODETENTION SWALE  
0.10 ACRES SEEDING, FERTILIZING AND MULCHING  
SEE BIODETENTION SWALE DETAIL ON SHEET 19 OF 65
  - ④ STA 41+98.00 LEFT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 49 OF 65
  - ⑤ STA 43+20.00 RIGHT  
CONSTRUCT SCHEDULE A CULV. PIPE 12" DIAM., 43.00' LONG  
OUTLET INV. = 327.34' (STA. 43+00.27) 35.84' RIGHT  
INLET INV. = 328.05' (STA. 43+41.55) 33.25' RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 50 OF 65  
9 C.Y STRUCTURE EXCAVATION INCL. HAUL  
15 TON SELECT BORROW
  - ⑥ APPROACH ABANDONED AND RELOCATED TO STA 46+75.00 LEFT



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NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

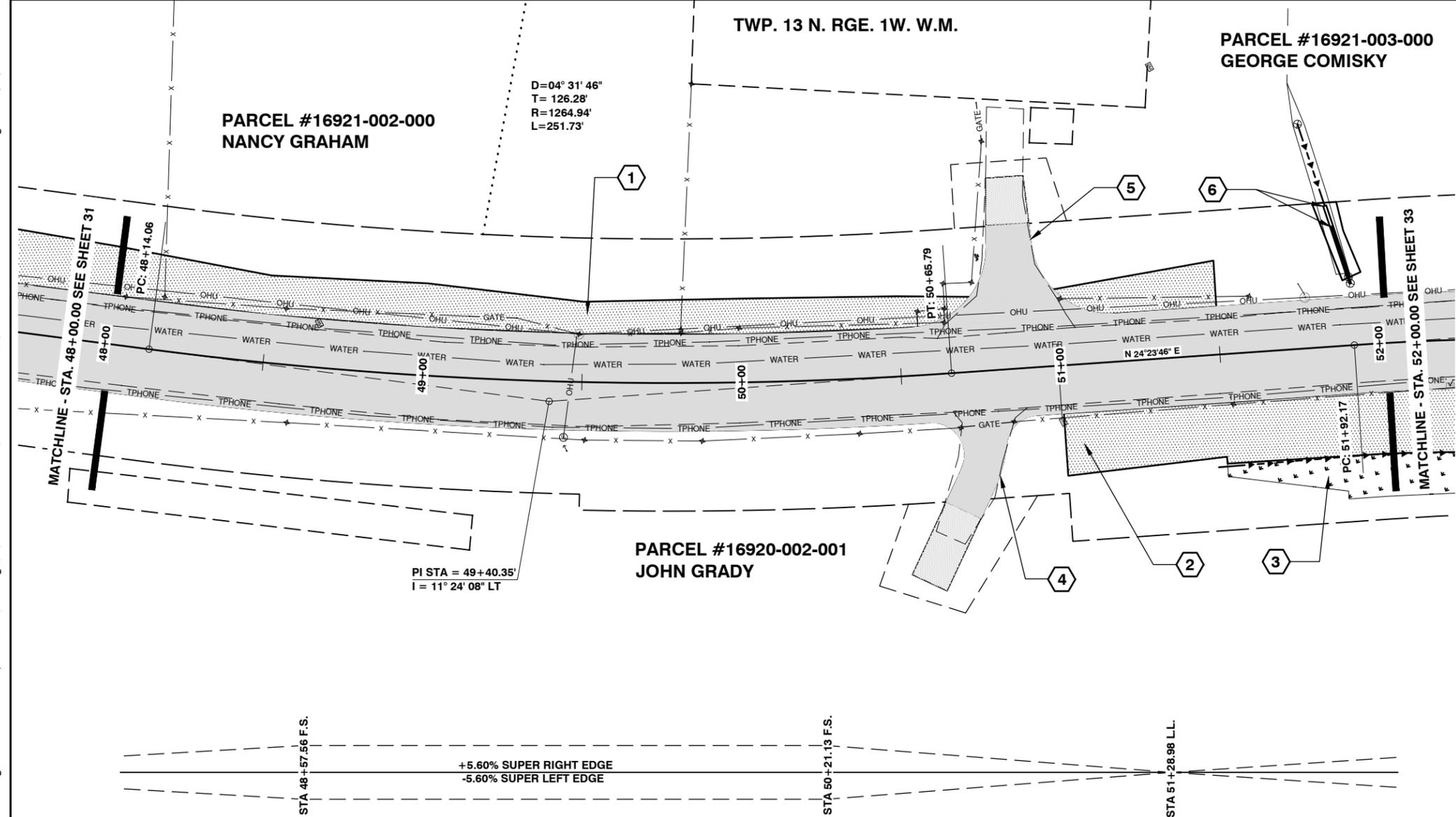
RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
PLAN AND PROFILE

SHEET  
**30**  
OF  
**65**

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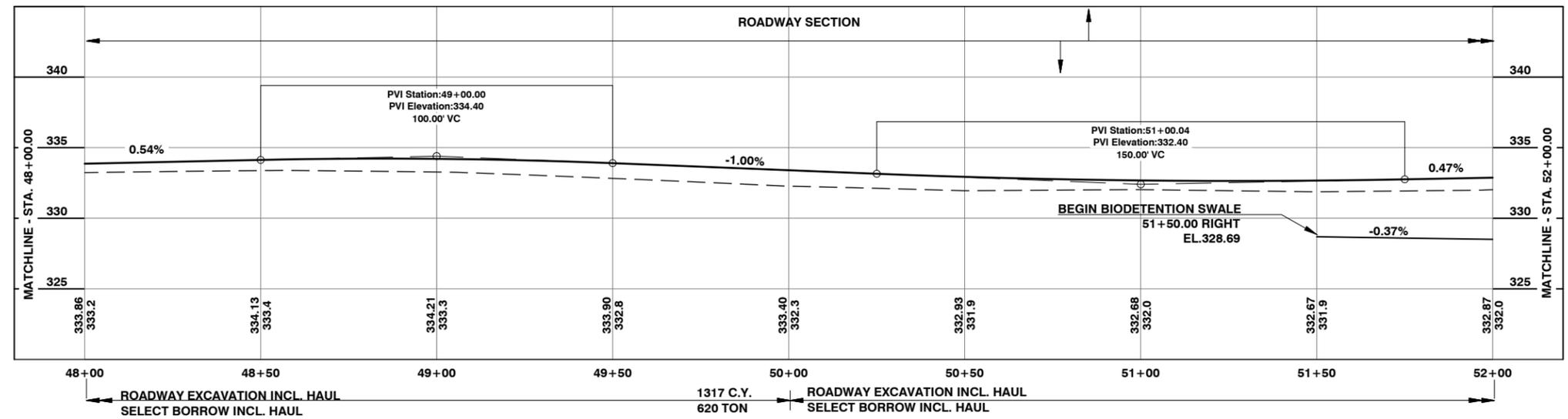
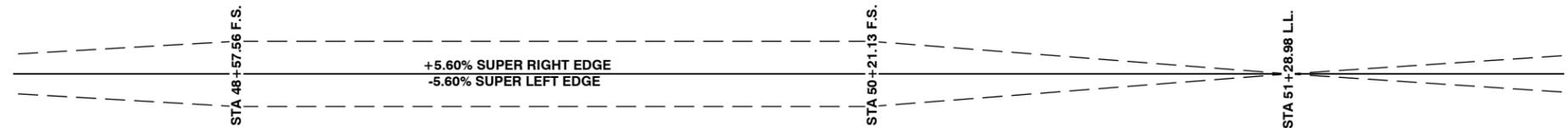
Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19 EXPIRES 5-23-19





**CONSTRUCTION NOTES:**

- 1 STA 36+50.00 TO STA 51+50.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
3657 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.75 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 51+00.00 TO STA 58+75.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
1468 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.30 ACRES SEEDING, FERTILIZING AND MULCHING
- 3 STA. 51+50.00 TO STA 58+50.00 RIGHT  
CONSTRUCT BIODETENTION SWALE  
0.22 ACRES SEEDING, FERTILIZING AND MULCHING  
SEE BIODETENTION SWALE DETAIL ON SHEET 19 OF 65
- 4 STA 50+76.12 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 51 OF 65
- 5 STA 50+86.39 LEFT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 51 OF 65
- 6 STA 51+79.79 LEFT  
0.01 C.Y. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL  
EXTEND THE INLET OF EXISTING 12 IN. DIAM. CONC. PIPE  
SEE WSDOT STANDARD PLAN CONNECTION DETAILS FOR DISSIMILAR CULVERT PIPE B-60.20.01  
CONSTRUCT SCHEDULE A. CULV. PIPE 12 IN. DIAM., 23.42' LONG  
INLET INVERT = 325.75 (STA 51+85.92, 44.03' LEFT)  
@ CONNECTION INVERT = 325.75 (51+91.79, 21.36' LEFT)  
SEE WSDOT STANDARD PLAN BEVELED END SECTIONS B-70.20.00  
STA 51+92.23 LEFT  
EXTEND THE INLET OF EXISTING 6 IN. DIAM. CMP PIPE  
SEE WSDOT STANDARD PLAN CONNECTION DETAILS FOR DISSIMILAR CULVERT PIPE B-60.20.01  
CONSTRUCT DRAIN PIPE 6 IN. DIAM., 18.69' LONG  
INLET INVERT = 327.60 (STA 51+87.61, 37.43' LEFT)  
@ CONNECTION INVERT = 327.60 (51+92.23, 19.32' LEFT)  
CONSTRUCT INLET PROTECTION  
SEE INLET ROCK PROTECTION DETAIL ON SHEET 39 OF 65  
6 TON QUARRY SPALLS  
SEE WSDOT STANDARD PLAN BEVELED END SECTIONS B-70.20.00



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PART OF THE NW 1/4, SW 1/4, SECTION 10 & NE 1/4, SW 1/4, SECTION 10  
TWP. 13 N. RGE. 1W.W.M.

0 20' 40'

HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'  
SCALE IS FOR FULL SIZE SHEETS



**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY :	NO.	DATE	REVISION		BY	APP.
DRAWN BY : CJC						
CHECKED BY :						
DATE :						

**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

PLAN AND PROFILE

SHEET  
**32**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19

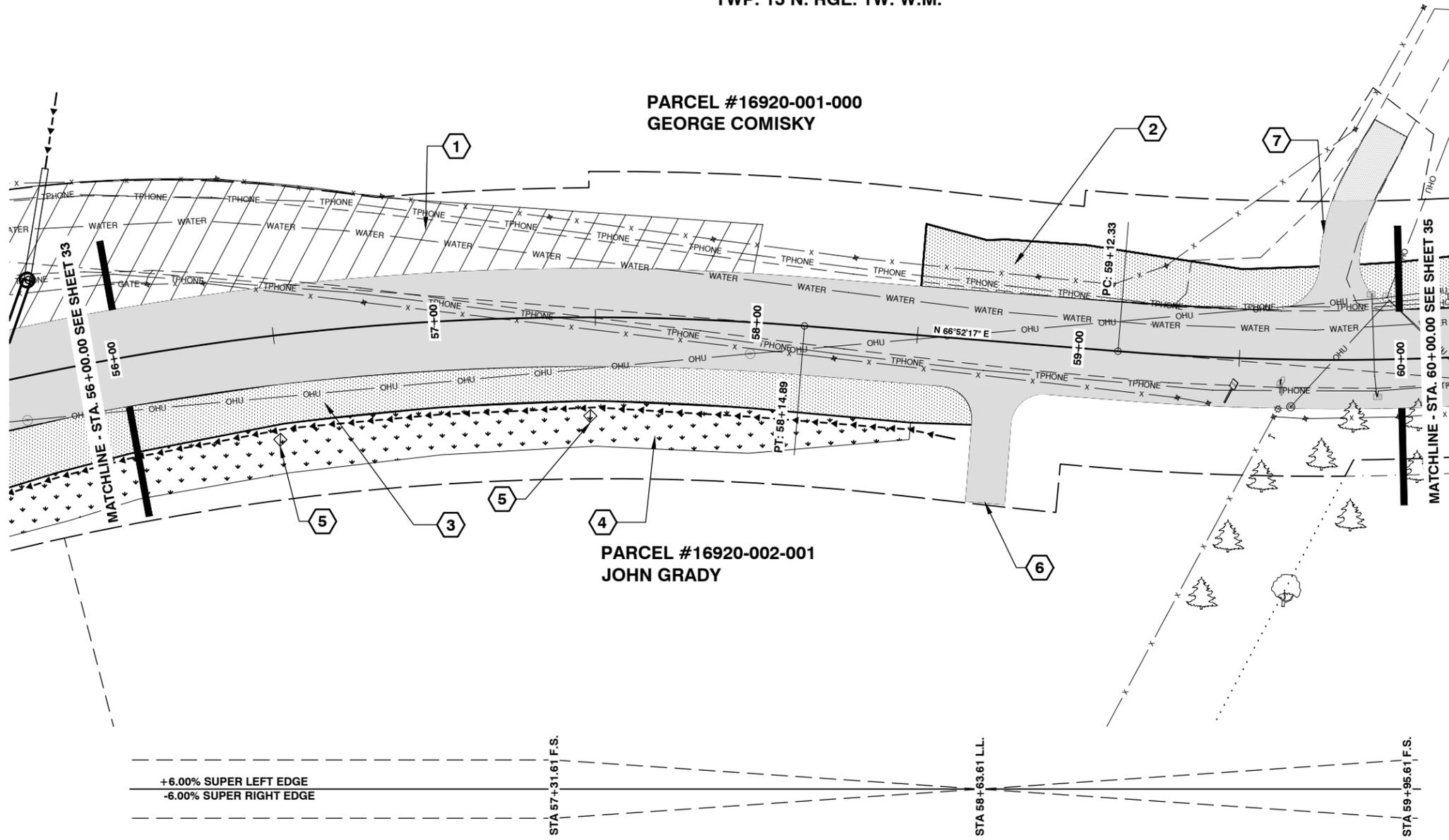
EXPIRES 5-23-19



TWP. 13 N. RGE. 1W. W.M.

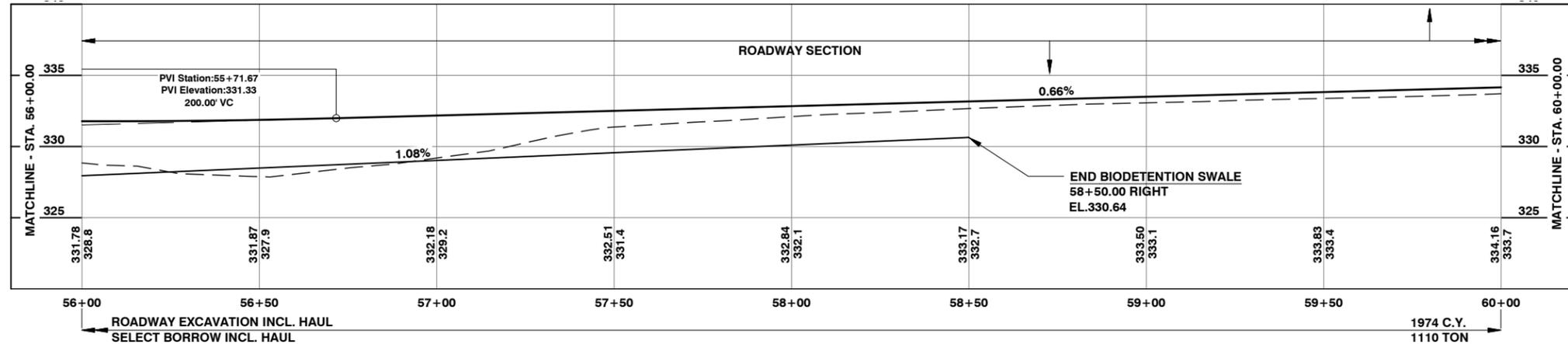
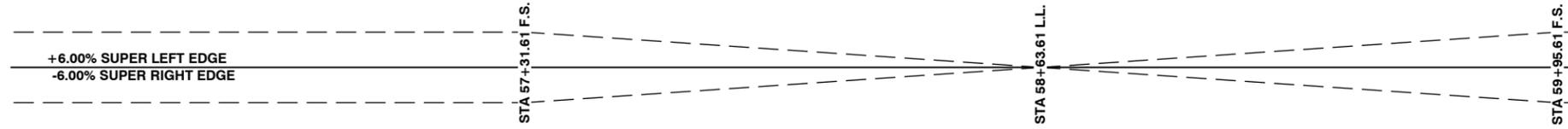
PARCEL #16920-001-000  
GEORGE COMISKY

PARCEL #16920-002-001  
JOHN GRADY

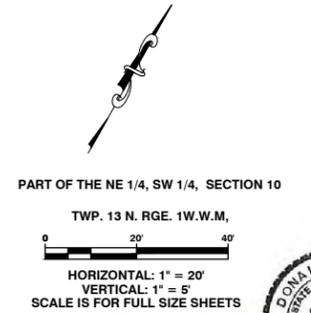


**CONSTRUCTION NOTES:**

- 1 STA 53+57.00 TO STA 58+00.00 LEFT  
REMOVE PAVEMENT, REGRADE TO STAKES SET BY THE ENGINEER AND HYDROSEED ALL COST FOR REMOVING AND DISPOSING OF EXISTING PAVEMENT SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE PER CUBIC YARD FOR "ROADWAY EXCAVATION INCL. HAUL" (INCLUDED IN MAINLINE QUANTITIES) 0.34 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 58+50.00 TO STA 62+09.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65 667 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP 0.14 ACRES SEEDING, FERTILIZING AND MULCHING
- 3 STA 51+00.00 TO STA 58+75.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65 1468 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP 0.30 ACRES SEEDING, FERTILIZING AND MULCHING
- 4 STA. 51+50.00 TO STA 58+50.00 RIGHT  
CONSTRUCT BIODETENTION SWALE SEE BIODETENTION DETAIL ON SHEET 19 OF 65 0.22 ACRES SEEDING, FERTILIZING AND MULCHING
- 5 STA 56+50.00 TO STA 57+50.00 RIGHT  
CONSTRUCT CHECK DAM SEE CHECK DAM DETAIL ON SHEET 38 OF 65
- 6 STA 58+75.00 RIGHT  
CONSTRUCT APPROACH SEE APPROACH DETAIL ON SHEET 52 OF 65
- 7 STA 59+81.00 LEFT  
CONSTRUCT APPROACH SEE APPROACH DETAIL ON SHEET 53 OF 65



**NOTES :**  
ALL EXISTING PAVEMENT SHALL BE GROUND.  
ALL VEGETATION INCLUDING TREES/STUMPS WITHIN CLEARING LIMITS SHALL BE "CLOSE CUT" TO ORIGINAL GROUND LEVEL.



**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY :  
DRAWN BY : CJC  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD REALIGNMENT PROJECT**

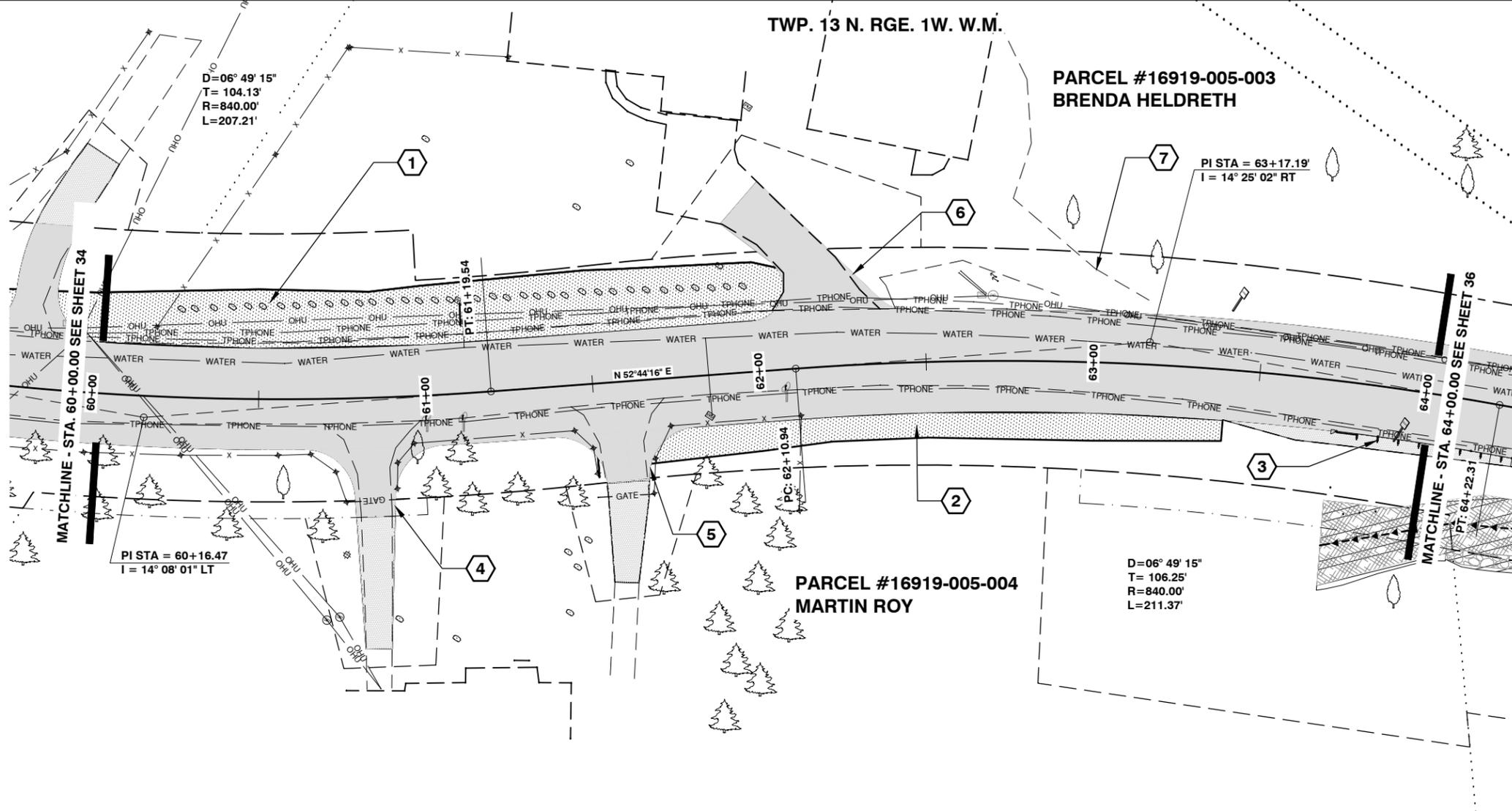
RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
PLAN AND PROFILE

SHEET  
**34**  
OF  
**65**

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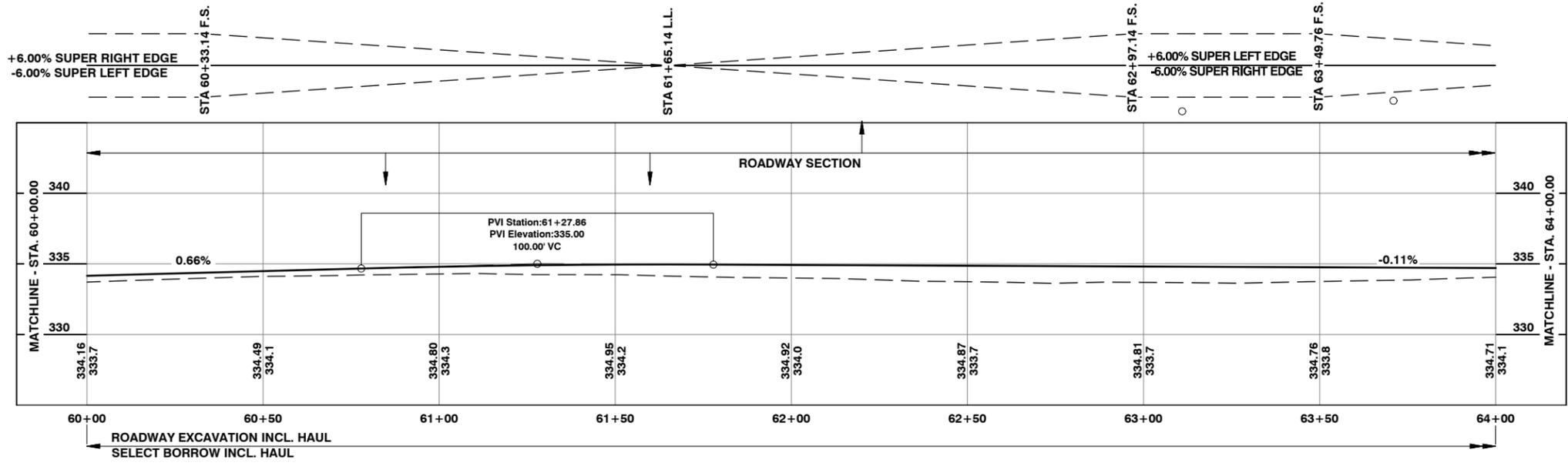
Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



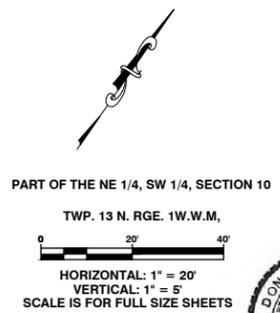


**CONSTRUCTION NOTES:**

- 1 STA 58+50.00 TO STA 62+09.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
667 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.14 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 61+59.00 TO STA 63+40.00 RIGHT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
154 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.03 ACRES SEEDING, FERTILIZING AND MULCHING
- 3 CONSTRUCT GUARDRAIL  
SEE GUARDRAIL RUN A DETAIL ON SHEET 40 OF 65
- 4 STA 60+84.00 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 53 OF 65
- 5 STA 61+59.00 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 53 OF 65
- 6 STA 62+20.58 LEFT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 54 OF 65
- 7 STA 63+00.00 LEFT  
APPROACH ABANDONED



**NOTES :**  
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**Lewis County**  
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2025 N. E. KRESKY AVE.  
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DESIGNED BY :  
DRAWN BY : CJC  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
PLAN AND PROFILE

SHEET  
**35**  
OF  
**65**

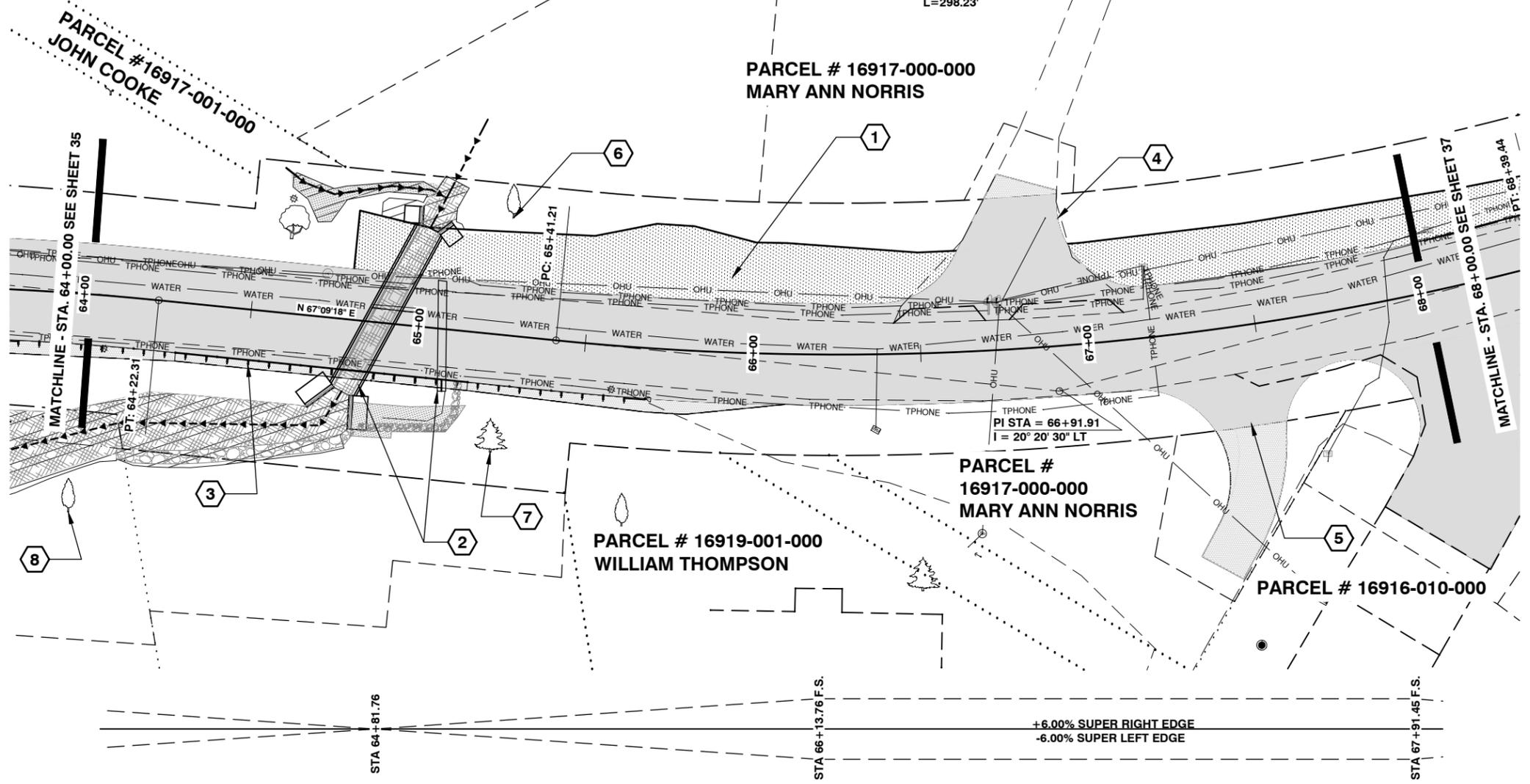


Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



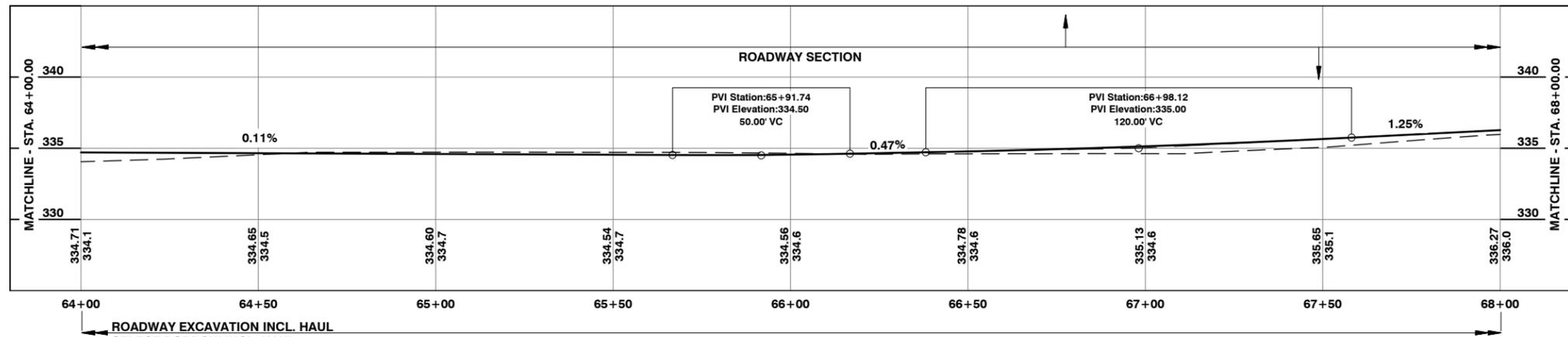
TWP. 13 N. RGE. 1W. W.M.

D=06° 49' 15"  
T= 150.70'  
R=840.00'  
L=298.23'



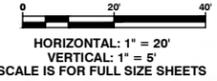
**CONSTRUCTION NOTES:**

- 1 STA 64+70.00 TO STA 69+00.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
716 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.15 ACRES SEEDING, FERTILIZING AND MULCHING
- 2 STA 65+07.11  
REMOVE EXISTING 36 IN. DIAM. CMP. PIPE 33' LONG  
50 C.Y. STRUCTURE EXCAVATION CLASS B INCL. HAUL  
92 TON SELECT BORROW INCL. HAUL  
STA 64+88.21 CONSTRUCT SPLIT BOX CULVERT  
SEE SPLIT BOX CULVERT DETAIL ON SHEETS 57 TO 60 OF 65
- 3 63+74.79 TO 65+80.63  
CONSTRUCT GUARDRAIL  
SEE GUARDRAIL RUN A DETAIL ON SHEET 40 OF 65
- 4 STA 66+79.00 LEFT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 54 OF 65
- 5 STA 67+48.00 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 54 OF 65
- 6 STA 65+25.00, 35.00' LEFT  
INSTALL RED OSIER DOGWOOD  
SEE SPECIAL PROVISION
- 7 STA 65+25.00, 35.00' RIGHT  
INSTALL DOUGLAS FIR  
SEE SPECIAL PROVISION
- 8 STA 64+00.00, 65.00' RIGHT  
INSTALL SCOULER'S WILLOW  
SEE SPECIAL PROVISIONS



**NOTES :**  
ALL EXISTING PAVEMENT SHALL BE GROUND.  
ALL VEGETATION INCLUDING TREES/STUMPS WITHIN CLEARING LIMITS SHALL BE "CLOSE CUT" TO ORIGINAL GROUND LEVEL.

PART OF THE NE 1/4, SW 1/4, SECTION 10 & SE 1/4, NW 1/4, SECTION 10 TWP. 13 N. RGE. 1W.W.M.



HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'  
SCALE IS FOR FULL SIZE SHEETS



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19

EXPIRES 5-23-19

Lewis County  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
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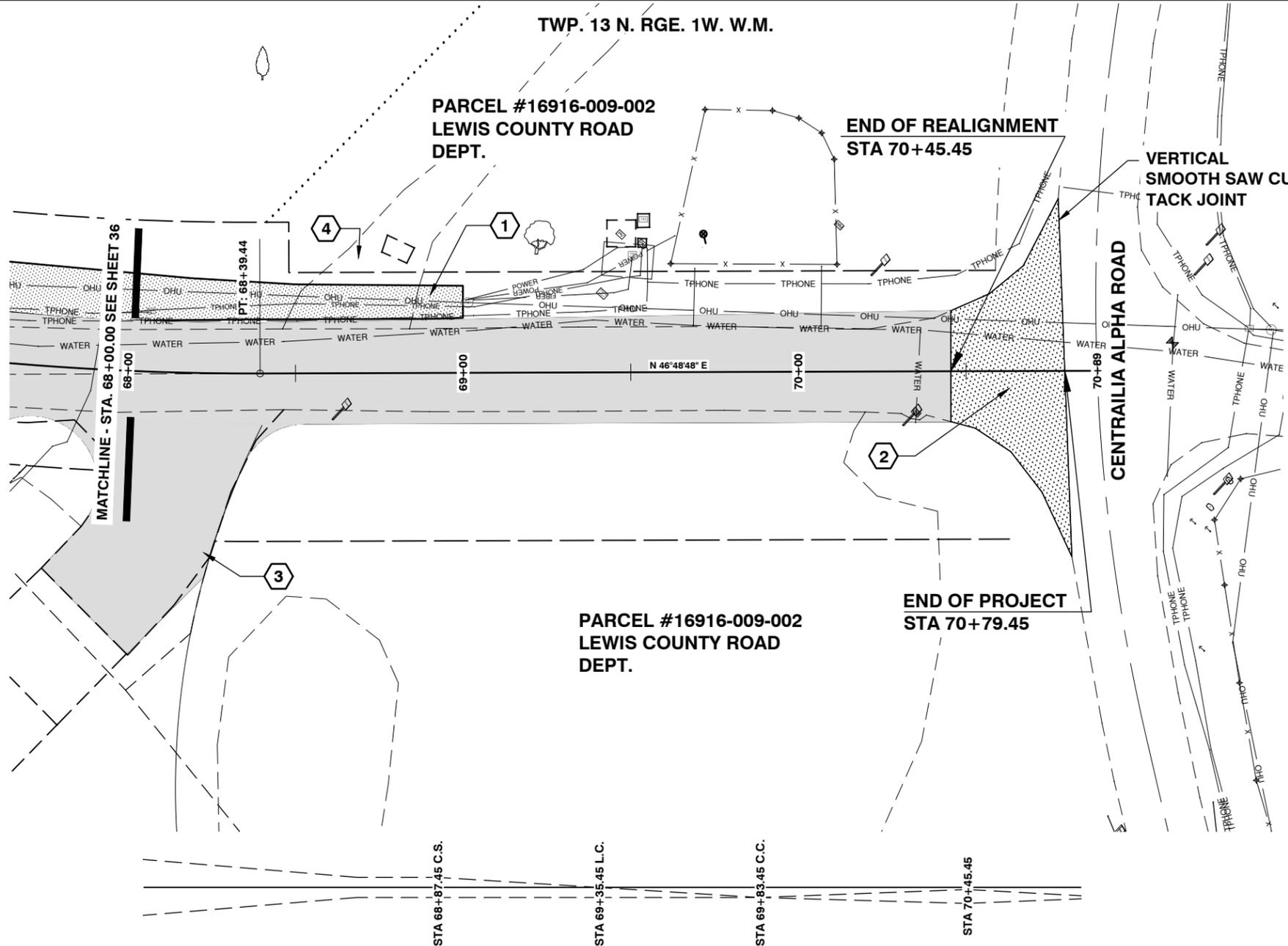
**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

PLAN AND PROFILE

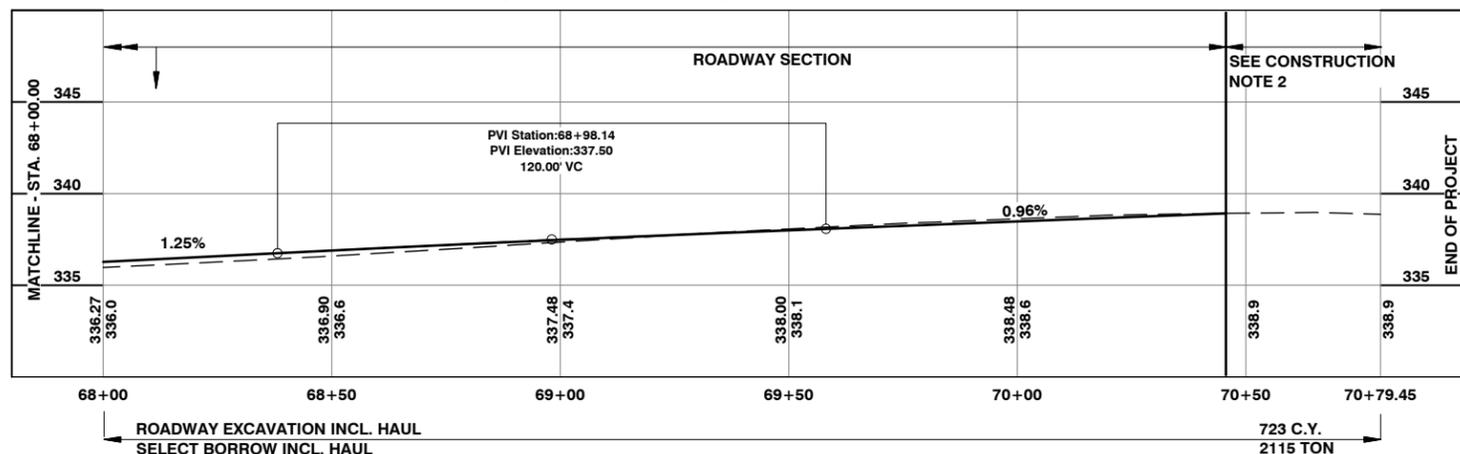
SHEET  
**36**  
OF  
**65**



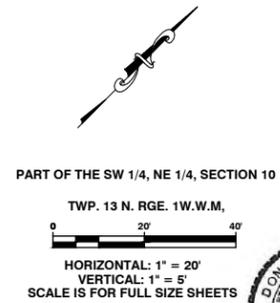


**CONSTRUCTION NOTES:**

- ① STA 64+70.00 TO STA 69+00.00 LEFT  
CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP  
SEE COMPOST AMENDED VEGETATED FILTER STRIP DETAIL ON SHEET 19 OF 65  
716 S.Y. COMPOST AMENDED VEGETATED FILTER STRIP  
0.15 ACRES SEEDING, FERTILIZING AND MULCHING
- ② STA. 70+45.45 TO STA. 70+79.45  
GRIND EXISTING ASPHALT TO A DEPTH OF 0.15', 217 S.Y.  
CLEAN AND TACK ALL REMAINING ASPHALT SURFACE  
HMA CLASS 3/8 IN. PG 58H-22, 0.15' COMPACTED DEPTH,  
22 TON HMA 3/8 IN. PG 58H-22  
SEE TYPICAL PLANING BITUMINOUS PAVEMENT DETAIL ON SHEET 39 OF 65  
ALL COST FOR REMOVING AND DISPOSING OF EXISTING PAVEMENT SHALL BE  
INCLUDED IN THE UNIT CONTRACT PRICE PER CUBIC YARD FOR "ROADWAY  
EXCAVATION INCL. HAUL" (INCLUDED IN MAINLINE QUANTITIES)
- ③ STA 68+18.00 RIGHT  
CONSTRUCT APPROACH  
SEE APPROACH DETAIL ON SHEET 55 OF 65
- ④ APPROACH ABANDONED



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**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
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DRAWN BY : CJC					
CHECKED BY :					
DATE :					

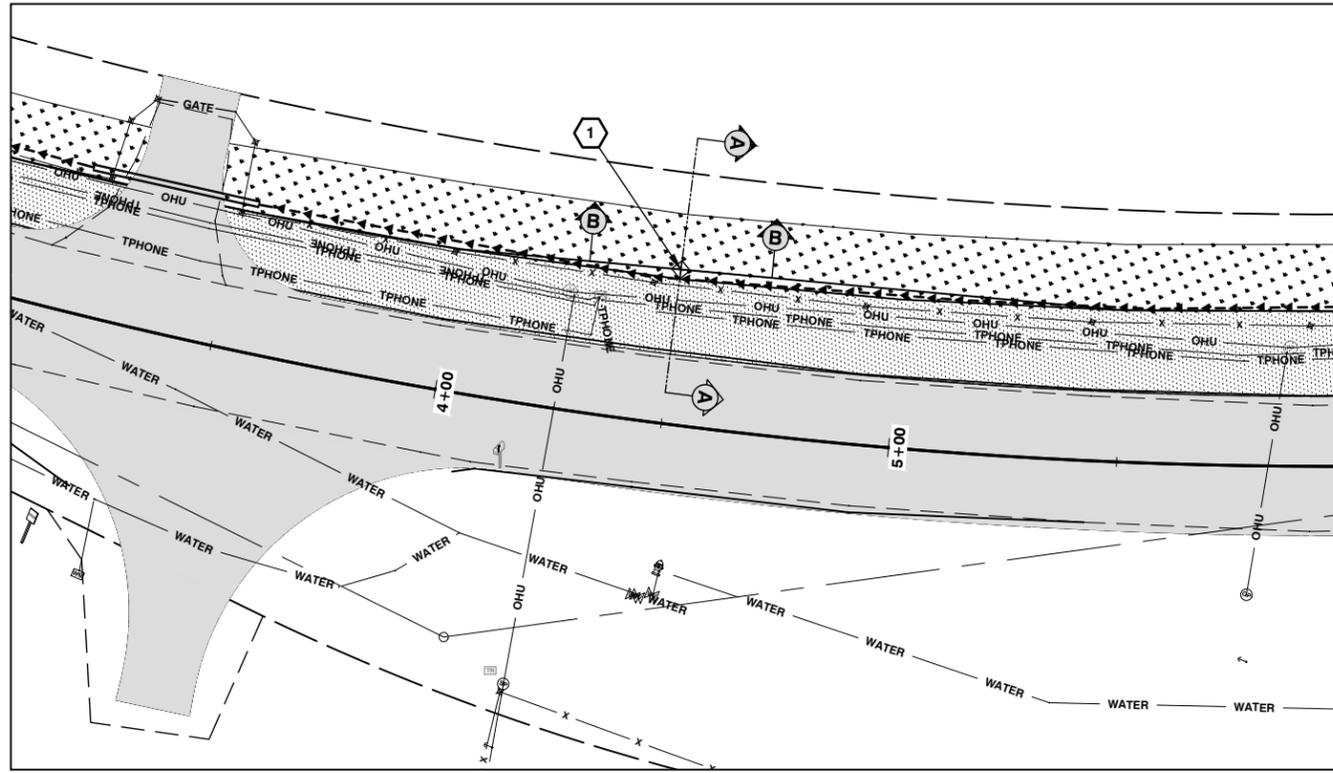
**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
PLAN AND PROFILE

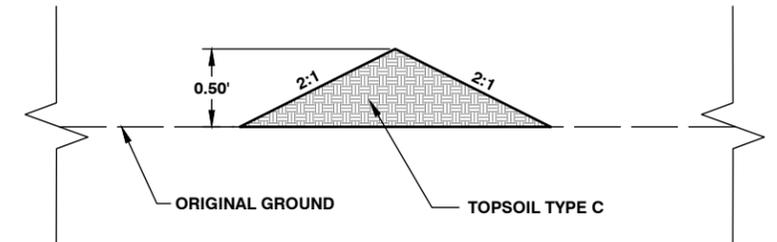
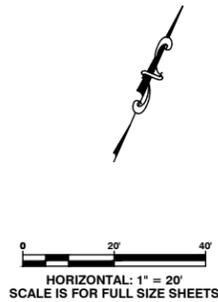
SHEET  
**37**  
OF  
**65**

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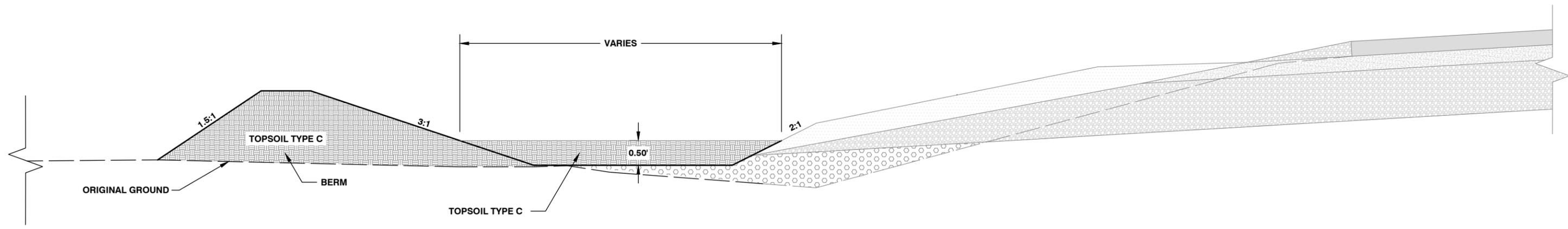
Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19  
EXPIRES 5-23-19



1 STA. 1+50.00, STA. 4+50.00, STA. 53+00.00, STA. 54+50.00, STA. 56+50.00, AND STA. 57+50.00  
 CONSTRUCT CHECK DAM  
 2 C.Y. TOPSOIL TYPE C  
 ALL COSTS ASSOCIATED WITH CONSTRUCTION OF CHECK DAMS  
 SHALL BE INCLUDED IN UNIT CONTRACT PRICE FOR TOPSOIL TYPE C



**SECTION B-B**  
 NOT TO SCALE



**SECTION A-A**  
 NOT TO SCALE

**CHECK DAM**

**Lewis County**  
 Department of Public Works  
 2025 N. E. KRESKY AVE.  
 CHEHALIS WA 98532  
 PHONE # (360) 740-1123  
 FAX # (360) 740-2719

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DRAWN BY : KLC						
CHECKED BY :						
DATE :						

**NORTH FORK ROAD  
 REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158  
 CHECK DAM DETAIL

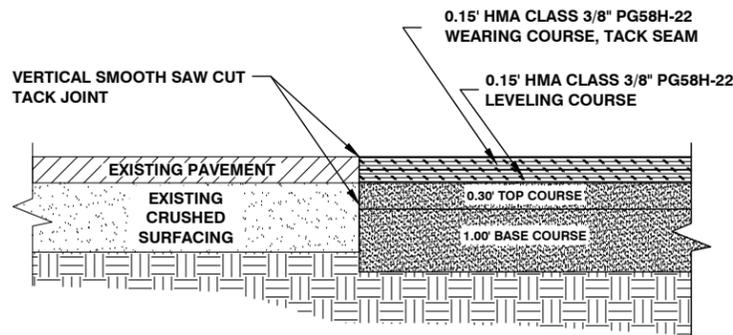
SHEET  
**38**  
 OF  
**65**



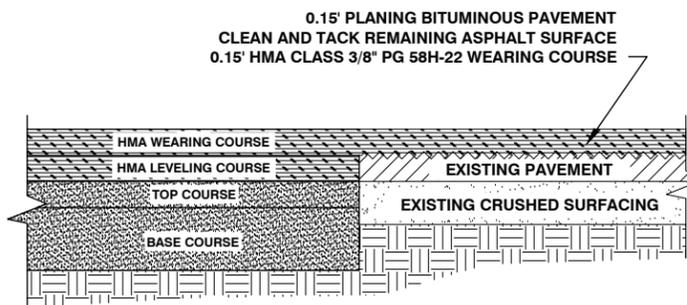
Donald J. Carney, P.E.  
 Senior Engineer/Design  
 Date: 4-11-19



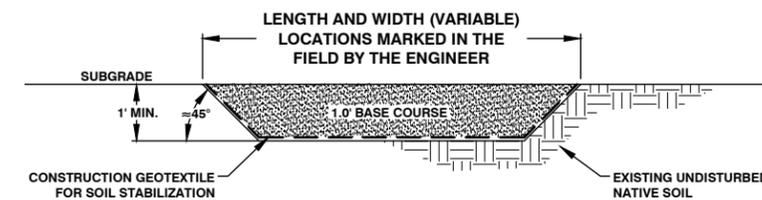
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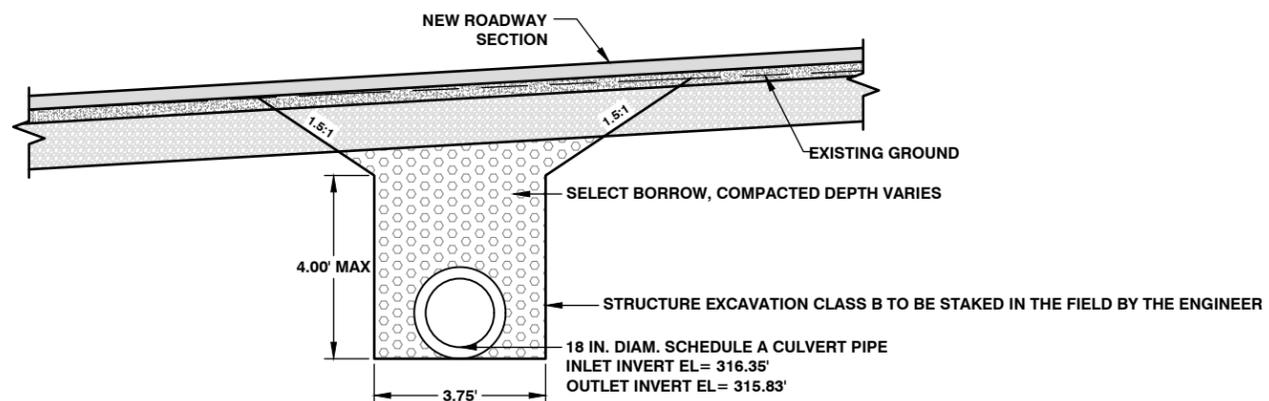
**TYPICAL BUTT JOINT DETAIL**  
NOT TO SCALE



**TYPICAL PLANING BITUMINOUS PAVEMENT DETAIL**  
NOT TO SCALE

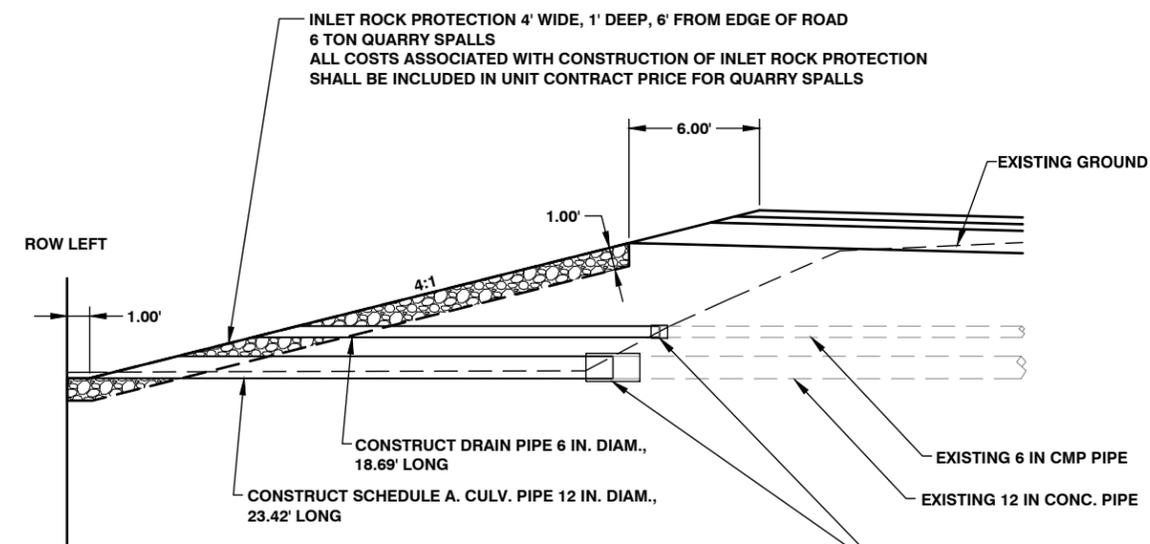


**TYPICAL DIGOUT DETAIL**  
NOT TO SCALE



NOTE:  
STRUCTURE EXCAVATION CLASS B IS NOT TO BE DEEPER THEN THE PROFILE OF THE NEW SCHEDULE A CULVERT PIPE. AS STAKED IN THE FIELD BY THE ENGINEER

**18 IN. DIAM SCHEDULE A CULVERT DETAIL**  
STATION 16+92.78  
NOT TO SCALE



**INLET ROCK PROTECTION DETAIL**  
STATION 51+79.79  
NOT TO SCALE

SEE WSDOT STANDARD PLAN CONNECTION DETAILS FOR DISSIMILAR CULVERT PIPE B-60.20.01

**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
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PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY : DJC  
DRAWN BY : CGA  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

ROADWAY DETAILS

SHEET  
**39**  
OF  
**65**

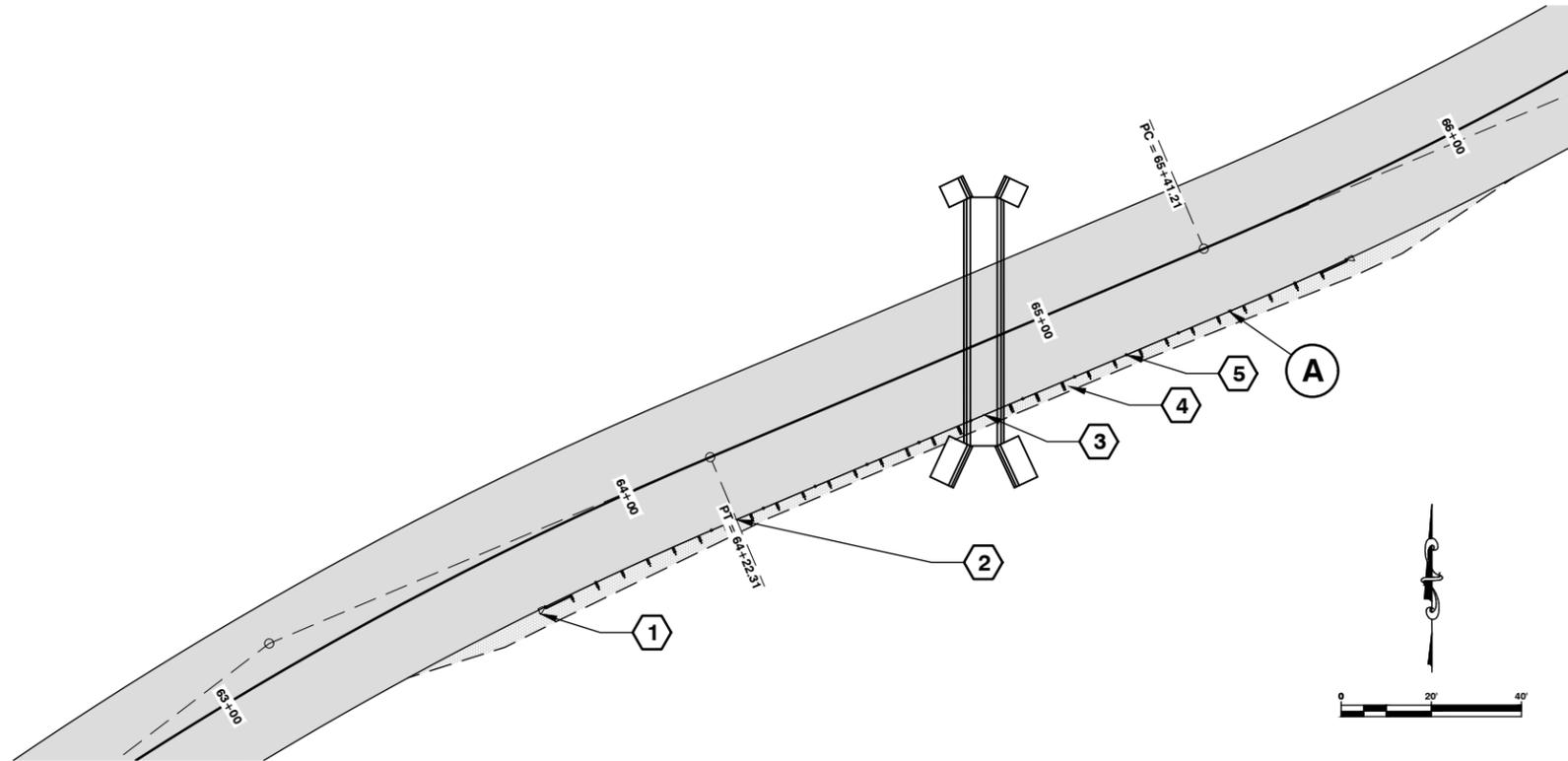


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Senior Engineer/Design

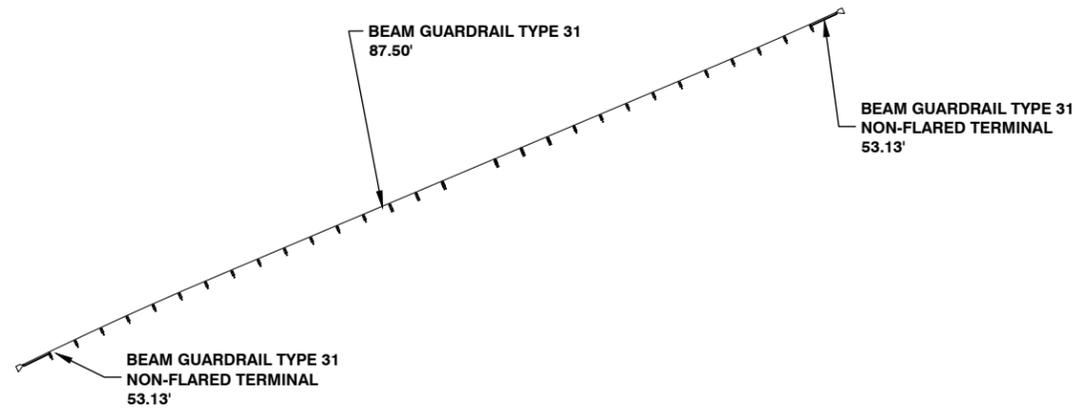
Date: 4-11-19



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- CONSTRUCTION NOTES**
- 1 STA 63+74.15 RIGHT  
CONSTRUCT BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (ALL POSTED SPEEDS)  
PER WSDOT STANDARD PLAN C-22.40-06
  - 2 STA 64+28.76 TO STA 65+16.34 RIGHT  
CONSTRUCT BEAM GUARDRAIL TYPE 31  
PER WSDOT STANDARD PLAN C-20.10-04  
87.50 L.F. BEAM GUARDRAIL TYPE 31
  - 3 BEAM GUARDRAIL TYPE 31 PLACEMENT 12'6" SPAN  
PER WSDOT STD PLAN C-20.40-06
  - 4 CONSTRUCT SHOULDER WIDENING FOR GUARDRAIL  
AS STAKED IN THE FIELD BY THE ENGINEER  
QUANTITIES INCLUDED IN MAINLINE
  - 5 STA 65+16.34 RIGHT  
CONSTRUCT BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (ALL POSTED SPEEDS)  
PER WSDOT STANDARD PLAN C-22.40-06



**GUARDRAIL RUN A DETAIL**

**Lewis County**  
 2025 N. E. KRESKY AVE.  
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 PHONE # (360) 740-1123  
 FAX # (360) 740-2719  
 Department of Public Works

DESIGNED BY :  
 DRAWN BY : CJC  
 CHECKED BY :  
 DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
 REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158

GUARDRAIL RUN A DETAIL

SHEET  
**40**  
 OF  
**65**

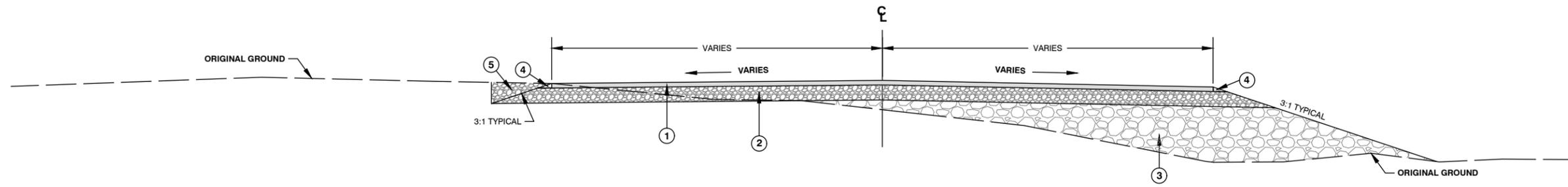


Donald J. Carney, P.E.  
 Senior Engineer/Design

*Donald J. Carney*  
 Date: 4-11-19



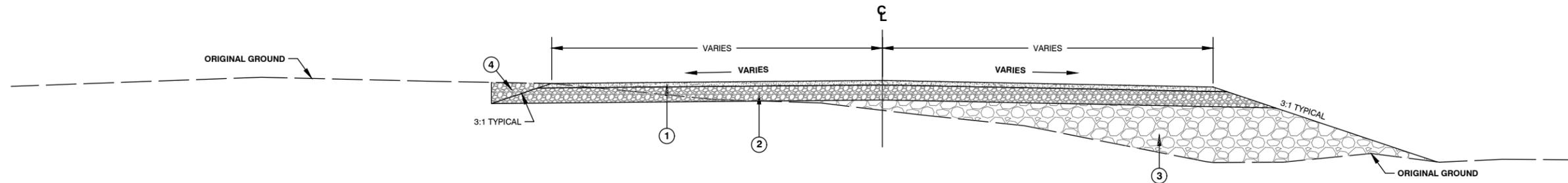
EXPIRES 5-23-19



### APPROACH PAVING SECTION

NOT TO SCALE

- ① HMA CLASS 3/8 IN. PG 58H-22, 0.15' COMPACTED DEPTH
- ② CRUSHED SURFACING BASE COURSE, 0.50' COMPACTED DEPTH
- ③ SELECT BORROW WHEN REQUIRED TO ACHIEVE PROFILE ELEVATIONS (CRUSHED SURFACING BASE COURSE)
- ④ SHOULDER ROCK, 0.15' COMPACTED DEPTH (CRUSHED SURFACING TOP COURSE APPLIED AFTER PAVING)
- ⑤ BACKFILL EXCAVATED AREA WITH CRUSHED SURFACING BASE COURSE, COMPACTED DEPTH VARIES



### APPROACH GRAVEL SECTION

NOT TO SCALE

- ① CRUSHED SURFACING TOP COURSE, 0.15' COMPACTED DEPTH
- ② CRUSHED SURFACING BASE COURSE, 0.50' COMPACTED DEPTH
- ③ SELECT BORROW WHEN REQUIRED TO ACHIEVE PROFILE ELEVATIONS (CRUSHED SURFACING BASE COURSE)
- ④ BACKFILL EXCAVATED AREA WITH CRUSHED SURFACING BASE COURSE, COMPACTED DEPTH VARIES

**CONSTRUCTION NOTES**

ALL APPROACH WIDTHS VARY AND WILL BE STAKED IN THE FIELD BY THE ENGINEER  
 CROSS SLOPES SHALL FOLLOW SUPER ELEVATION RATES AS STAKED IN THE FIELD BY THE ENGINEER  
 SEE APPROPRIATE APPROACH SHEETS FOR APPROACH DETAILS

2025 N. E. KRESKY AVE.  
 CHEHALIS WA 98532  
 PHONE # (360) 740-1123  
 FAX # (360) 740-2719

DESIGNED BY : J. PIPER  
 DRAWN BY : J. PIPER  
 CHECKED BY :  
 DATE :

NO.	DATE	REVISION	BY	APP.

## NORTH FORK ROAD REALIGNMENT PROJECT

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158

APPROACH PAVING SECTION  
 APPROACH GRAVEL SECTION

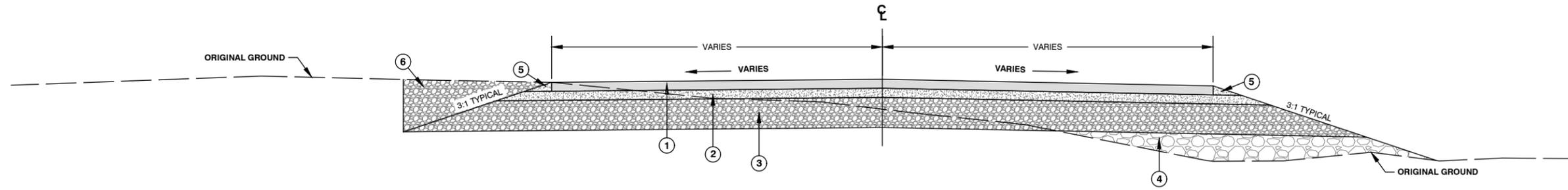
SHEET  
**41**  
 OF  
**65**



Donald J. Carney, P.E.  
 Senior Engineer/Design  
 Date: 4-11-19



EXPIRES 5-23-19



## APPROACH 2 PAVING SECTION

NOT TO SCALE

- ① HMA CLASS 3/8 IN. PG 58H-22, 0.30' COMPACTED DEPTH (PAVE 2 LIFTS OF 0.15' COMPACTED DEPTH)
- ② CRUSHED SURFACING TOP COURSE, 0.30' COMPACTED DEPTH
- ③ CRUSHED SURFACING BASE COURSE, 1.00' COMPACTED DEPTH
- ④ SELECT BORROW WHEN REQUIRED TO ACHIEVE PROFILE ELEVATIONS (CRUSHED SURFACING BASE COURSE)
- ⑤ SHOULDER ROCK, 0.15' COMPACTED DEPTH (CRUSHED SURFACING TOP COURSE APPLIED AFTER PAVING)
- ⑥ BACKFILL EXCAVATED AREA WITH CRUSHED SURFACING BASE COURSE, COMPACTED DEPTH VARIES

### CONSTRUCTION NOTES

ALL APPROACH WIDTHS VARY AND WILL BE STAKED IN THE FIELD BY THE ENGINEER  
 CROSS SLOPES SHALL FOLLOW SUPER ELEVATION RATES AS STAKED IN THE FIELD BY THE ENGINEER  
 SEE APPROPRIATE APPROACH SHEETS FOR APPROACH DETAILS

**Lewis County**  
 Department of Public Works  
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 PHONE # (360) 740-1123  
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DESIGNED BY : J. PIPER  
 DRAWN BY : J. PIPER  
 CHECKED BY :  
 DATE :

NO.	DATE	REVISION	BY	APP.

## NORTH FORK ROAD REALIGNMENT PROJECT

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158

APPROACH 2 PAVING SECTION

SHEET  
**42**  
 OF  
**65**



Donald J. Carney, P.E.  
 Senior Engineer/Design  
 Date: 4-11-19



### APPROACH STA 0+61.00 RIGHT

APPROACH STATION 0+14.14 TO APPROACH STATION 0+40.00

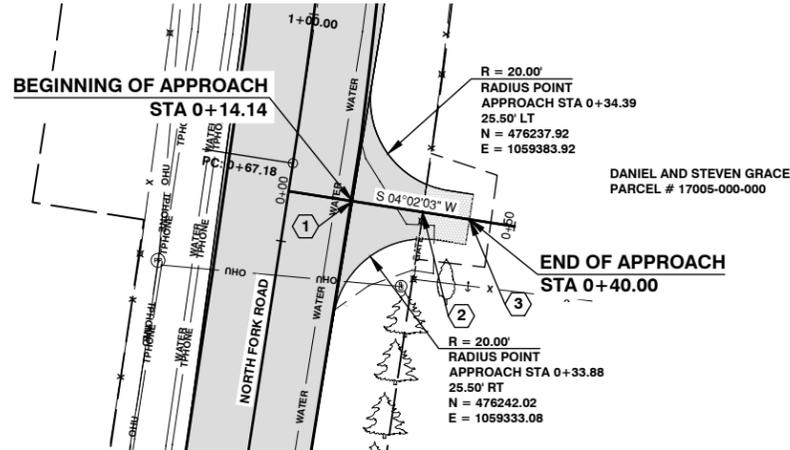
#### CONSTRUCTION NOTES:

- 1 STA. 0+14.14 BEGIN APPROACH  
STA. 0+14.14 TO STA. 0+29.64 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65 PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+29.64 TO STA. 0+40.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+40.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 11.00'

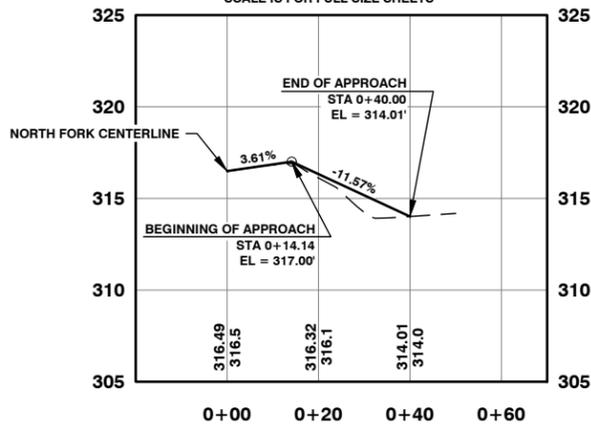
NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

5 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 4 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 19 TON CRUSHED SURFACING BASE COURSE  
 2 TON CRUSHED SURFACING TOP COURSE  
 4 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



HORIZONTAL: 1" = 20'  
 VERTICAL: 1" = 5'  
 SCALE IS FOR FULL SIZE SHEETS



### APPROACH STA 3+35.29 LEFT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+55.00

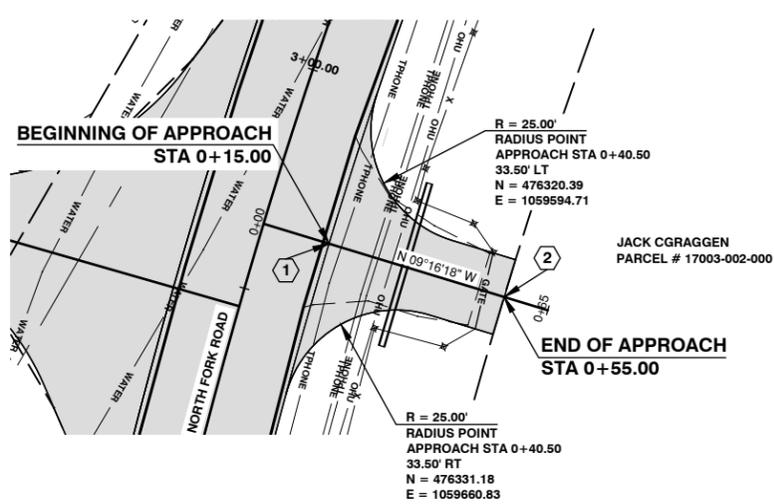
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+55.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+55.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 17.00'

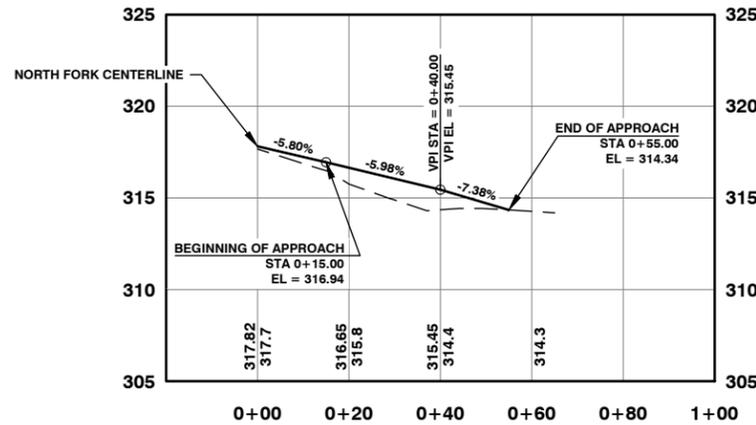
NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

9 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 34 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 38 TON CRUSHED SURFACING BASE COURSE  
 1 TON CRUSHED SURFACING TOP COURSE  
 11 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



HORIZONTAL: 1" = 20'  
 VERTICAL: 1" = 5'  
 SCALE IS FOR FULL SIZE SHEETS



### APPROACH STA 3+54.07 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+80.00

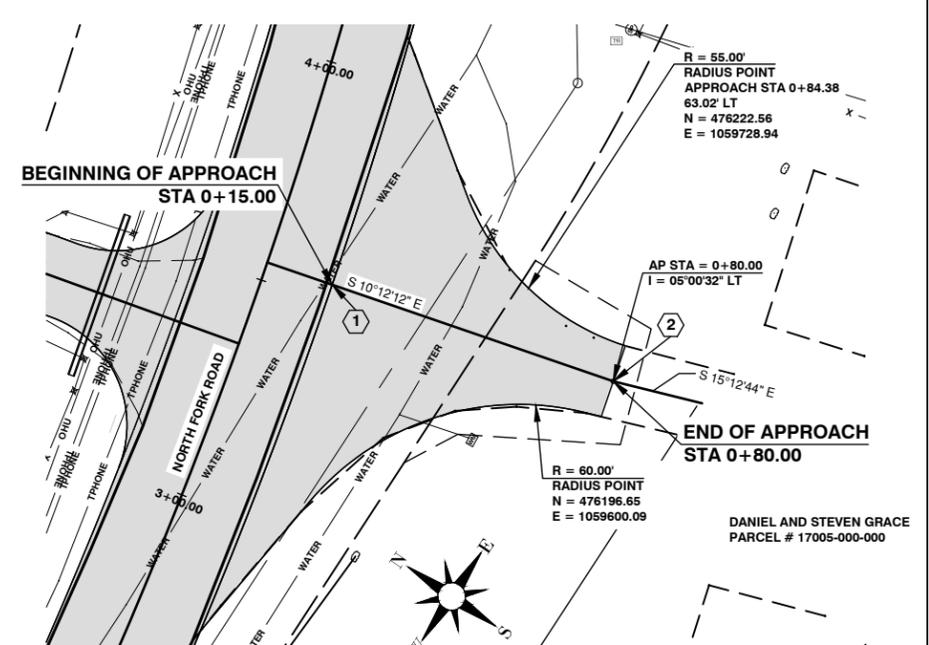
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+80.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+80.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 16.32'

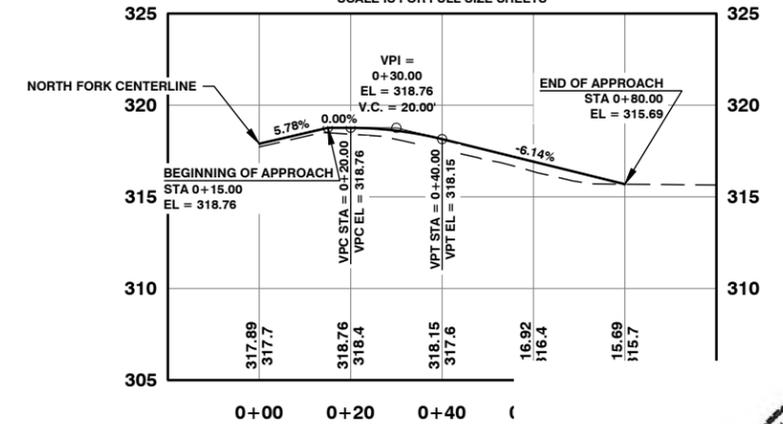
NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

23 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 8 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 117 TON CRUSHED SURFACING BASE COURSE  
 2 TON CRUSHED SURFACING TOP COURSE  
 37 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



HORIZONTAL: 1" = 20'  
 VERTICAL: 1" = 5'  
 SCALE IS FOR FULL SIZE SHEETS



NO.	DATE	REVISION	BY	APP.



### APPROACH STA 8+65.84 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+60.00

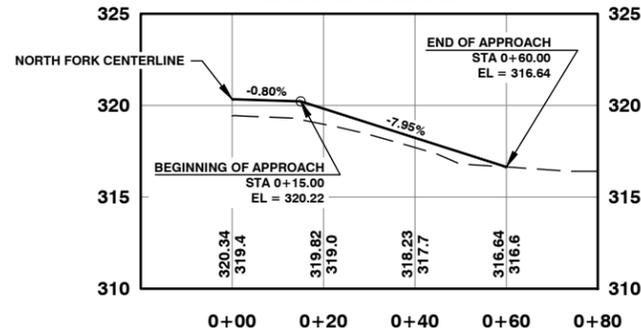
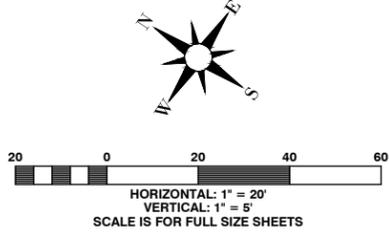
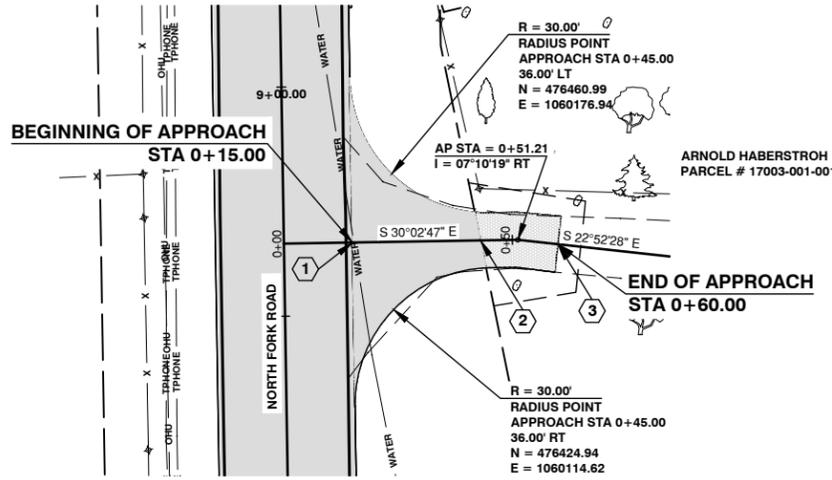
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+43.01 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65 PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+43.01 TO STA. 0+60.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+60.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 12.26'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

- 6 C.Y. ROADWAY EXCAVATION INCL. HAUL
- 6 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)
- 38 TON CRUSHED SURFACING BASE COURSE
- 29 TON CRUSHED SURFACING TOP COURSE
- 8 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



### APPROACH STA 11+37.53 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+65.00

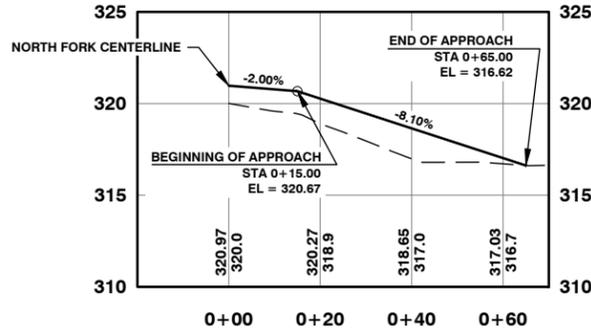
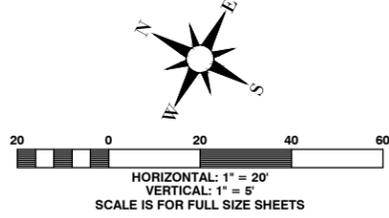
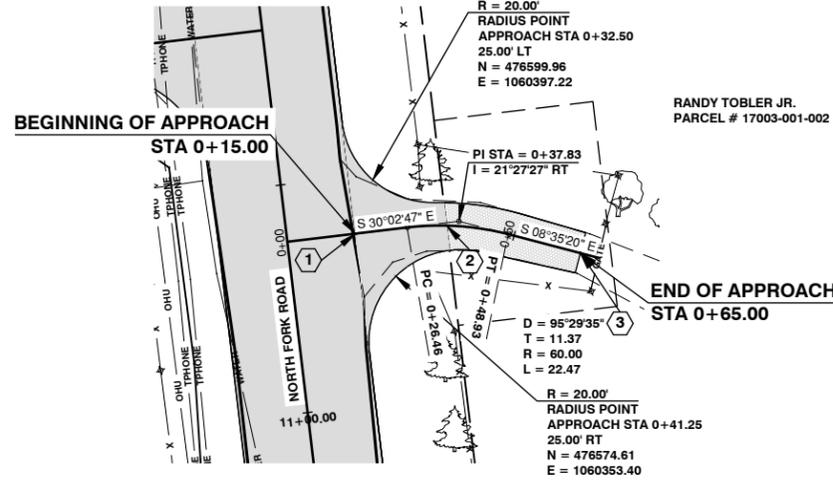
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+35.01 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65 PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+35.01 TO STA. 0+65.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+65.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 9.06'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

- 0 C.Y. ROADWAY EXCAVATION INCL. HAUL
- 46 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)
- 29 TON CRUSHED SURFACING BASE COURSE
- 2 TON CRUSHED SURFACING TOP COURSE
- 4 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



### APPROACH STA 11+84.00 LEFT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+48.00

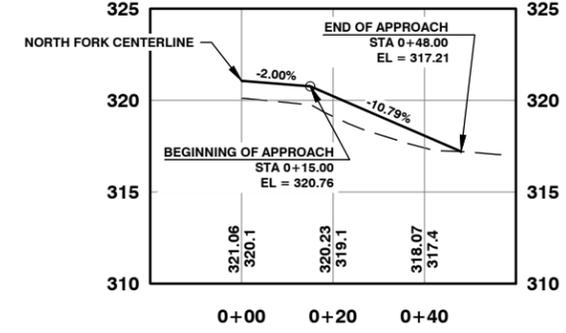
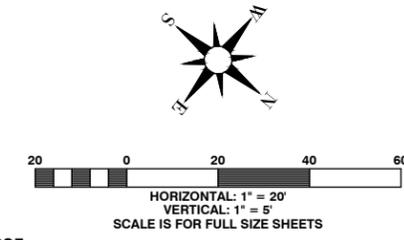
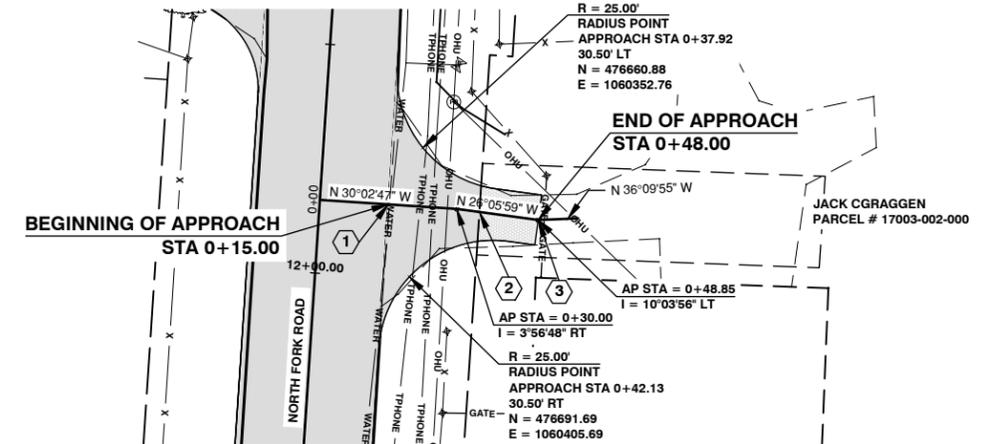
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+35.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65 PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+35.00 TO STA. 0+48.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+48.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 11.00'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

- 4 C.Y. ROADWAY EXCAVATION INCL. HAUL
- 13 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)
- 27 TON CRUSHED SURFACING BASE COURSE
- 2 TON CRUSHED SURFACING TOP COURSE
- 6 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**Lewis County**  
Department of Public Works

2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY : J. PIPER  
DRAWN BY : J. PIPER  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

## NORTH FORK ROAD REALIGNMENT PROJECT

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

APPROACH 8+65.84 RIGHT  
APPROACH 11+37.53 RIGHT  
APPROACH 11+84.00 LEFT

SHEET  
**44**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design

Date: 4-11-19



EXPIRES 5-23-19

**APPROACH STA 15+94.32 RIGHT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+50.00

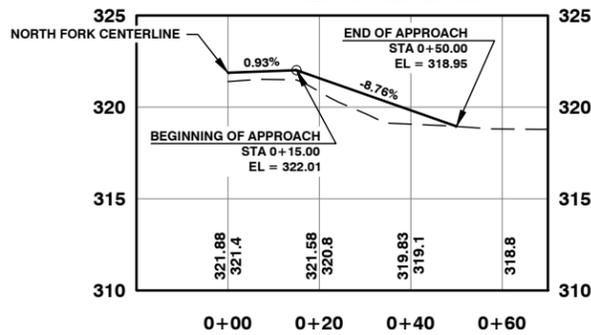
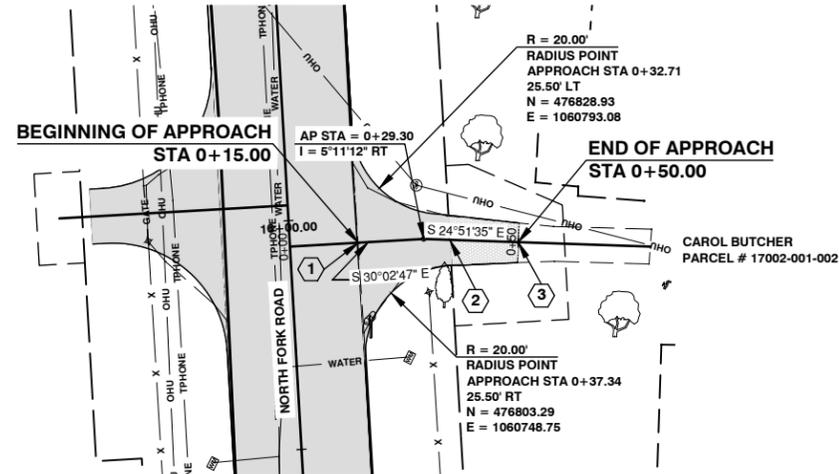
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+35.02 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65  
PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+35.02 TO STA. 0+50.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+50.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 8.65'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

0 C.Y. ROADWAY EXCAVATION INCL. HAUL  
15 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
23 TON CRUSHED SURFACING BASE COURSE  
2 TON CRUSHED SURFACING TOP COURSE  
5 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**APPROACH STA 16+03.34 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+43.00

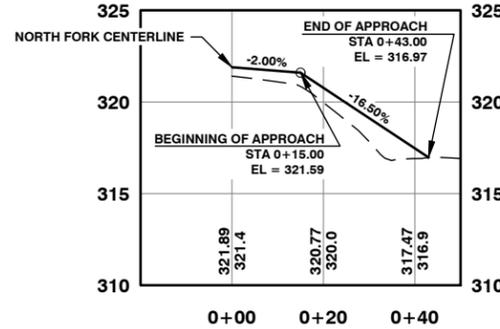
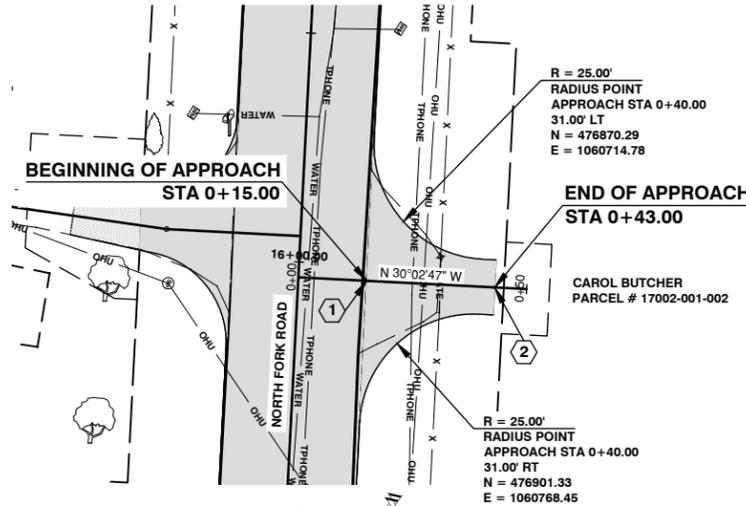
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+43.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+43.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 12.00'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

10 C.Y. ROADWAY EXCAVATION INCL. HAUL  
1 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
25 TON CRUSHED SURFACING BASE COURSE  
1 TON CRUSHED SURFACING TOP COURSE  
7 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**APPROACH STA 16+97.00 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+55.00

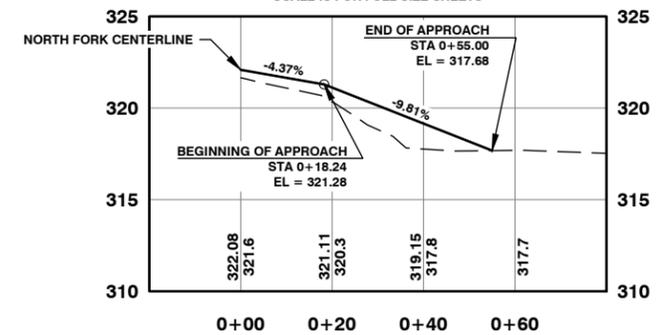
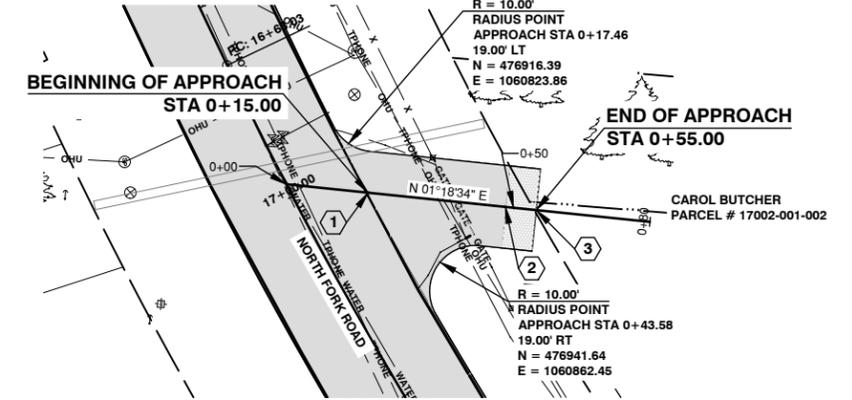
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+48.21 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+48.21 TO STA. 0+55.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+55.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 18.00'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

8 C.Y. ROADWAY EXCAVATION INCL. HAUL  
13 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
29 TON CRUSHED SURFACING BASE COURSE  
2 TON CRUSHED SURFACING TOP COURSE  
7 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



Lewis County  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719  
Department of Public Works

DESIGNED BY : J. PIPER  
DRAWN BY : J. PIPER  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

APPROACH 15+94.32 RIGHT  
APPROACH 16+03.34 LEFT  
APPROACH 16+97.00 LEFT

SHEET  
**45**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design

Date: 4-11-19  
EXPIRES 5-23-19



### APPROACH STA 17+72.66 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+40.00

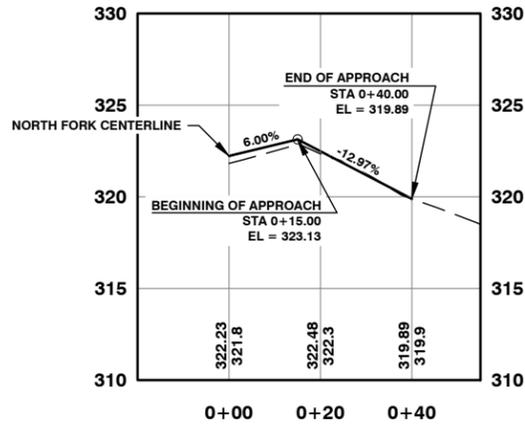
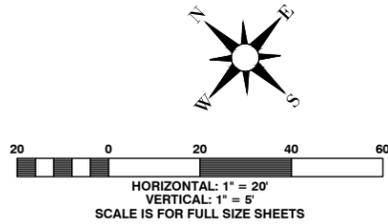
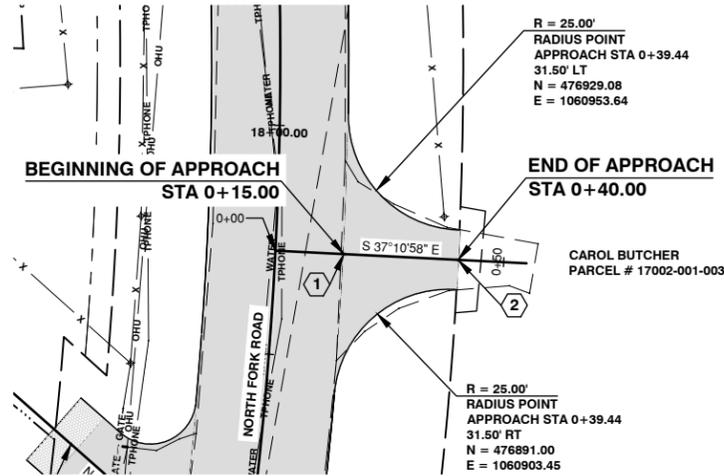
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+40.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+40.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 13.00'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

0 C.Y. ROADWAY EXCAVATION INCL. HAUL  
4 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
23 TON CRUSHED SURFACING BASE COURSE  
1 TON CRUSHED SURFACING TOP COURSE  
7 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



### APPROACH STA 22+12.00 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+80.00

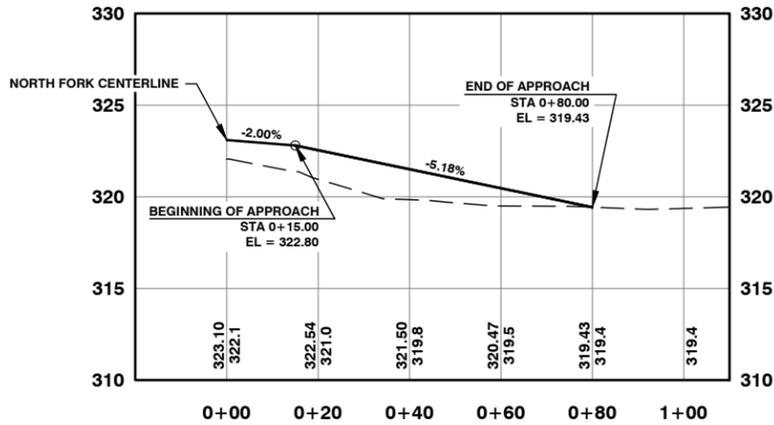
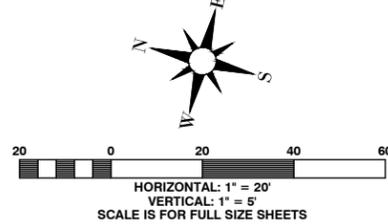
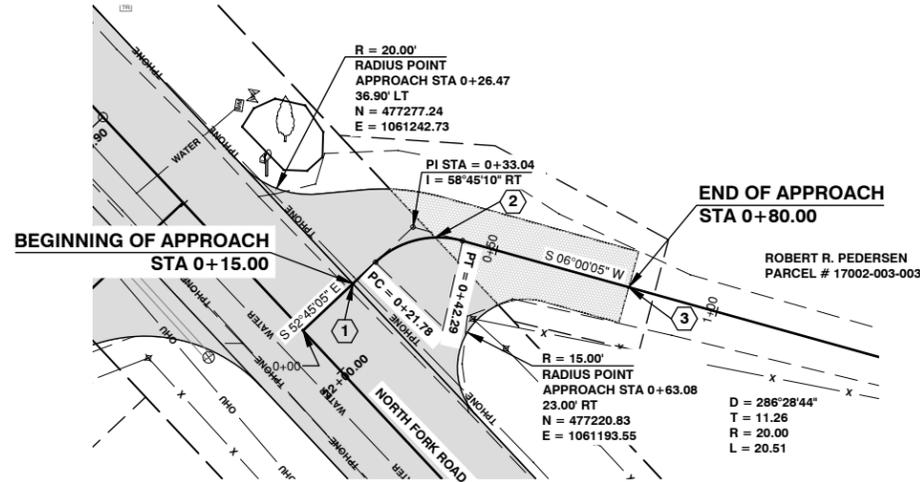
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+36.22 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65  
PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+36.22 TO STA. 0+80.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+80.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 16.00'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

7 C.Y. ROADWAY EXCAVATION INCL. HAUL  
95 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
59 TON CRUSHED SURFACING BASE COURSE  
8 TON CRUSHED SURFACING TOP COURSE  
9 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



# INTENTIONALLY BLANK

Lewis County  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY : J. PIPER  
DRAWN BY : J. PIPER  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

## NORTH FORK ROAD REALIGNMENT PROJECT

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

APPROACH 17+72.66 RIGHT  
APPROACH 22+12.00 RIGHT

SHEET  
46  
OF  
65



Donald J. Carney, P.E.  
Senior Engineer/Design

Date: 4-11-19



EXPIRES 5-23-19

**APPROACH STA 22+50.30 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+85.00

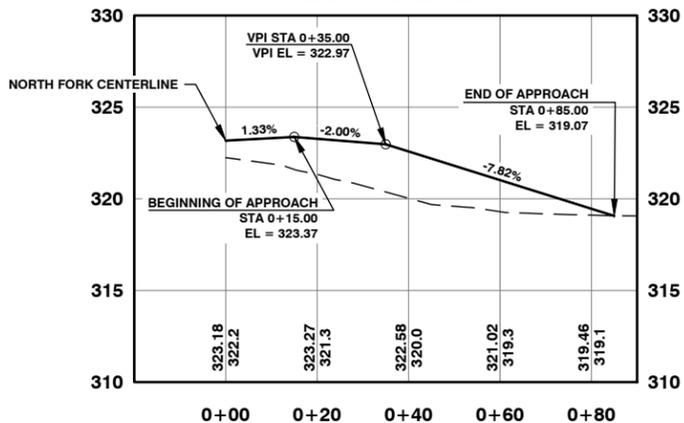
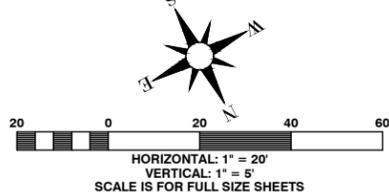
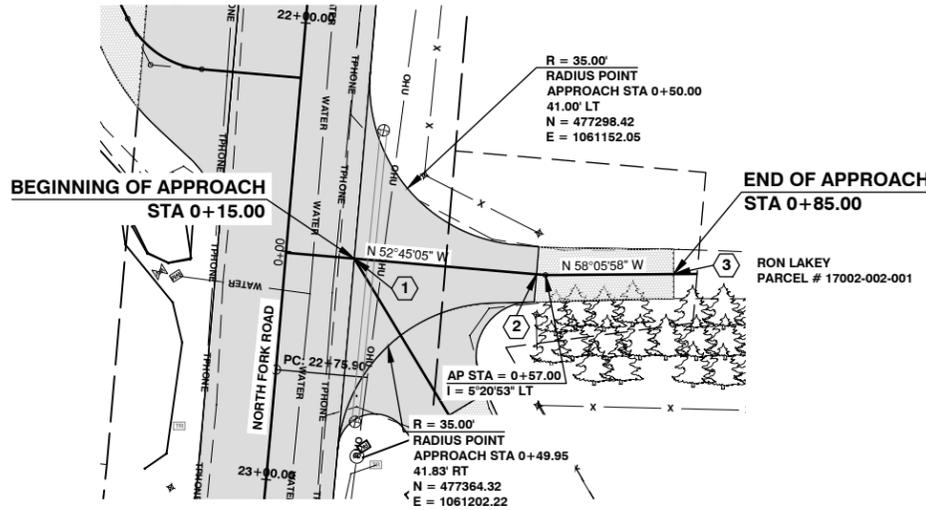
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+55.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+55.00 TO STA. 0+85.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+85.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 10.72'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

4 C.Y. ROADWAY EXCAVATION INCL. HAUL  
156 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
55 TON CRUSHED SURFACING BASE COURSE  
4 TON CRUSHED SURFACING TOP COURSE  
12 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**STATION 0+15.00 ON APPROACH 22+50.30 LEFT**

APPROACH STATION 0+19.58 TO APPROACH STATION 0+75.00

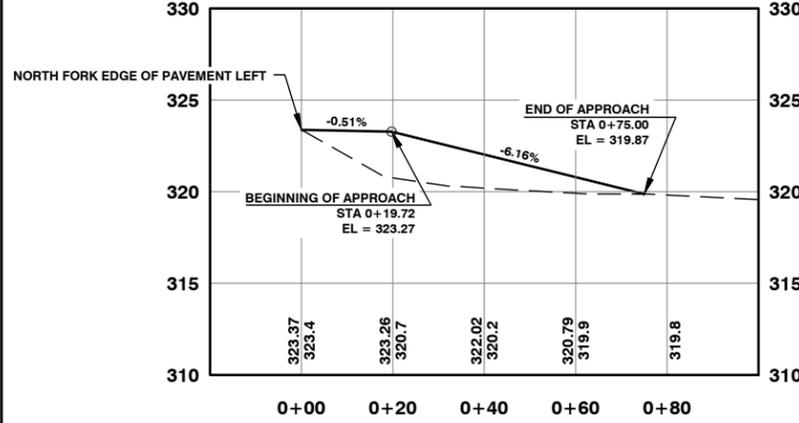
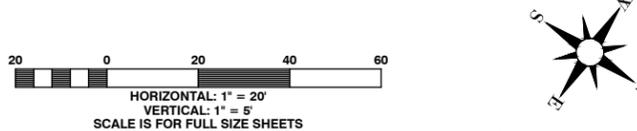
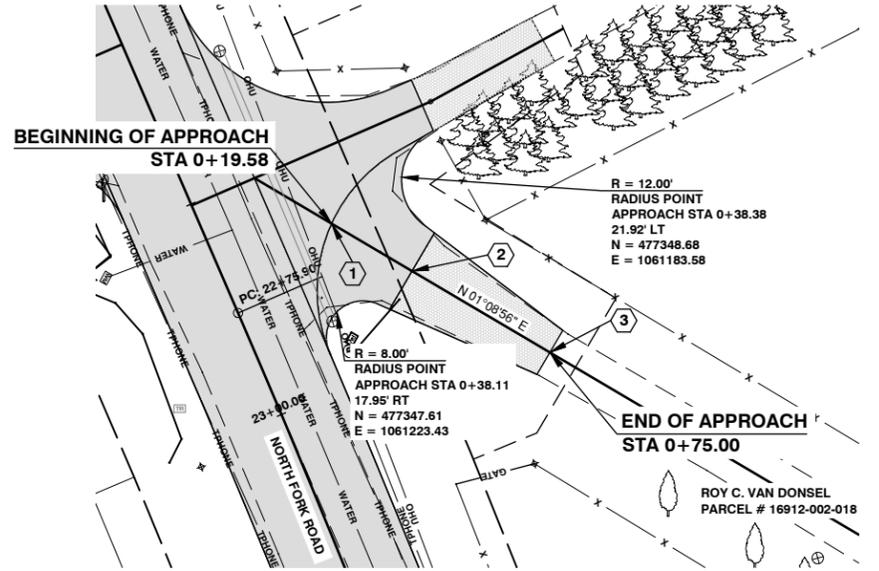
**CONSTRUCTION NOTES:**

- 1 STA. 0+19.58 BEGIN APPROACH  
STA. 0+19.58 TO STA. 0+40.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+40.00 TO STA. 0+75.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+75.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 11.15'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND 10:1 RIGHT

**APPROACH QUANTITIES:**

3 C.Y. ROADWAY EXCAVATION INCL. HAUL  
94 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
47 TON CRUSHED SURFACING BASE COURSE  
6 TON CRUSHED SURFACING TOP COURSE  
6 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**APPROACH STA 24+50.00 RIGHT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+45.00

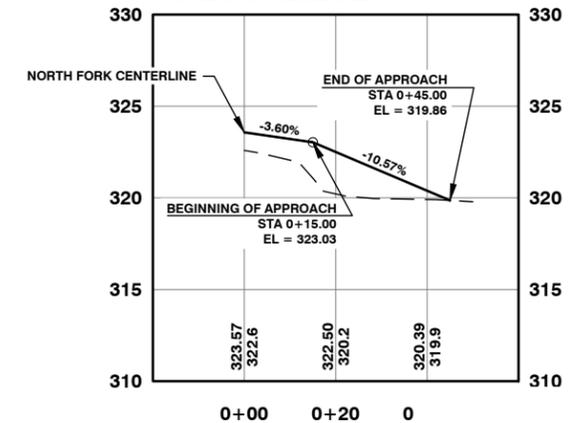
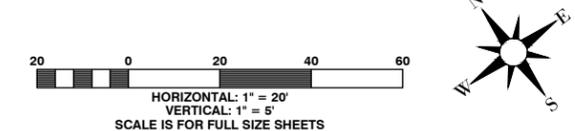
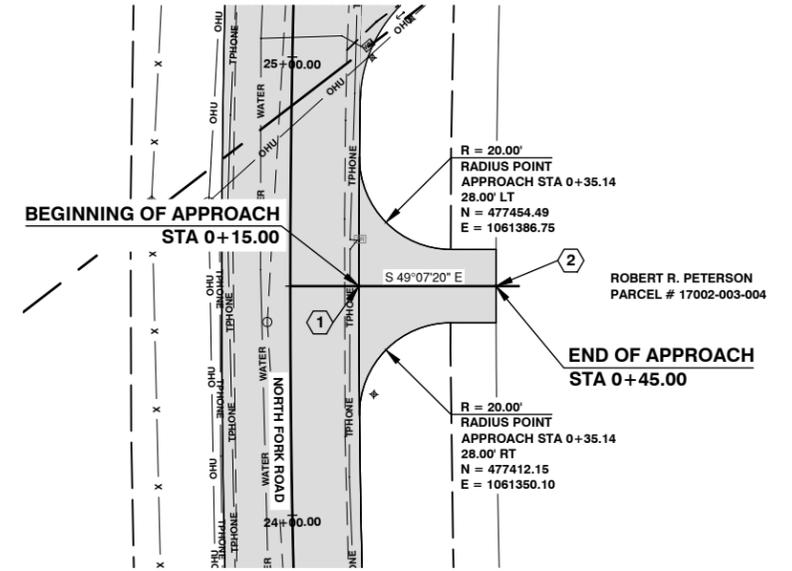
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+45.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+45.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 16.00'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

0 C.Y. ROADWAY EXCAVATION INCL. HAUL  
5 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
27 TON CRUSHED SURFACING BASE COURSE  
1 TON CRUSHED SURFACING TOP COURSE  
7 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



Lewis County  
2025 N. E. KRESKY AVE.  
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PHONE # (360) 740-1123  
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Department of Public Works

DESIGNED BY: J. PIPER  
DRAWN BY: J. PIPER  
CHECKED BY:  
DATE:

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
APPROACH 22+50.30 LEFT  
APPROACH 0+15.00 RIGHT ON APPROACH 22+50.30 LEFT  
APPROACH 24+50.00 RIGHT

SHEET  
**47**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



**APPROACH STA 25+20.00 RIGHT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+50.00

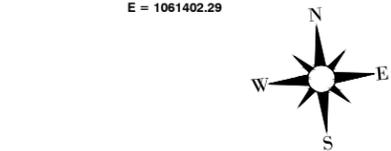
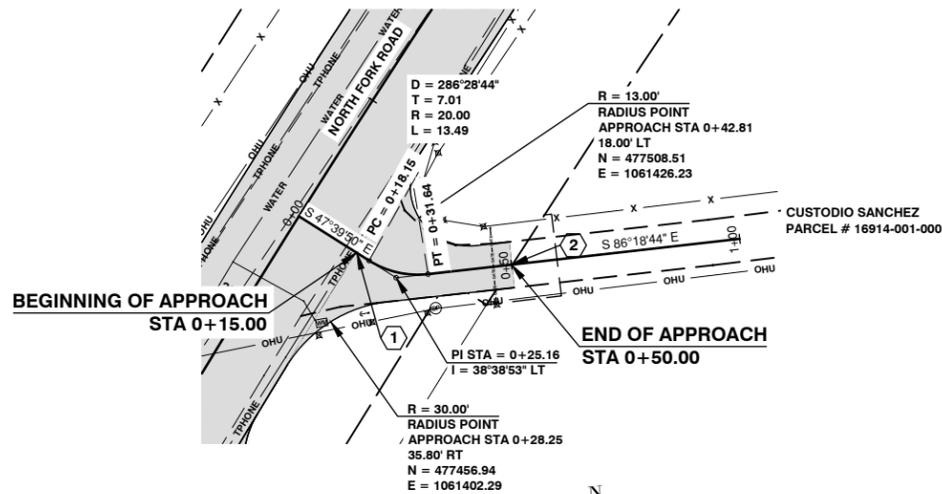
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+50.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+50.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 10.04'

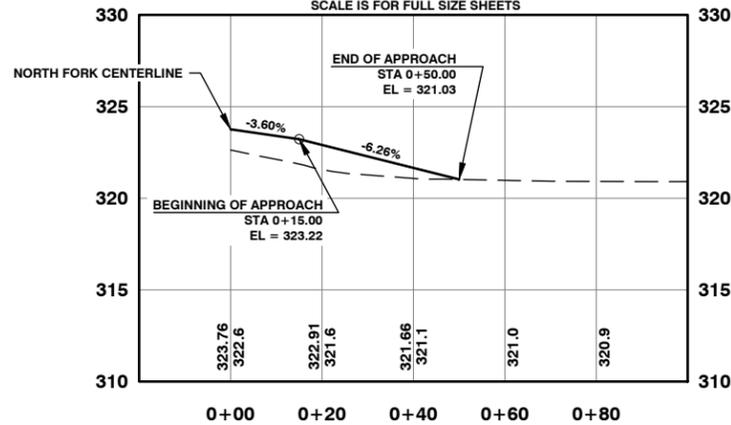
**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

0 C.Y. ROADWAY EXCAVATION INCL. HAUL  
9 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
24 TON CRUSHED SURFACING BASE COURSE  
1 TON CRUSHED SURFACING TOP COURSE  
7 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'  
SCALE IS FOR FULL SIZE SHEETS



**APPROACH STA 31+55.00 RIGHT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+40.00

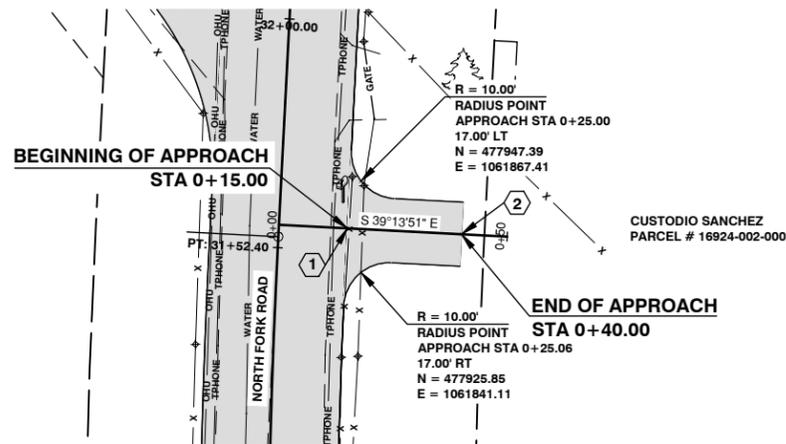
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+40.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+40.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 14.00'

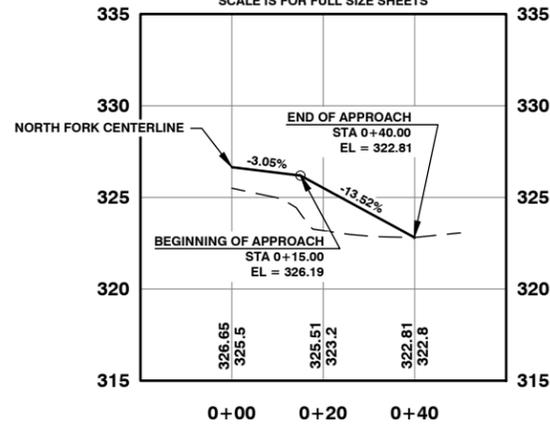
**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

7 C.Y. ROADWAY EXCAVATION INCL. HAUL  
0 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
16 TON CRUSHED SURFACING BASE COURSE  
1 TON CRUSHED SURFACING TOP COURSE  
4 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'  
SCALE IS FOR FULL SIZE SHEETS



**APPROACH STA 32+10.00 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 1+20.00

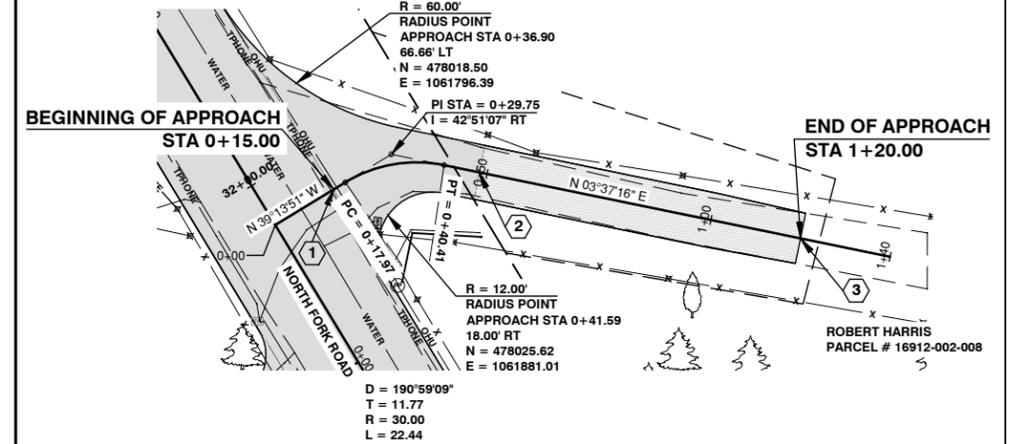
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+48.19 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+48.19 TO STA. 1+20.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 1+20.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 11.18'

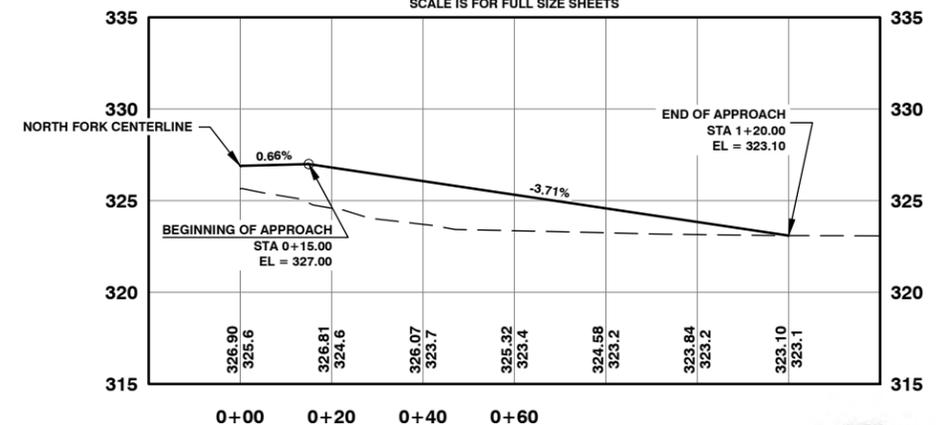
**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

7 C.Y. ROADWAY EXCAVATION INCL. HAUL  
153 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
65 TON CRUSHED SURFACING BASE COURSE  
10 TON CRUSHED SURFACING TOP COURSE  
8 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'  
SCALE IS FOR FULL SIZE SHEETS



**Lewis County**  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719  
Department of Public Works

DESIGNED BY : J. PIPER  
DRAWN BY : J. PIPER  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
APPROACH 25+20.00 RIGHT  
APPROACH 31+55.00 RIGHT  
APPROACH 32+10.00 LEFT

SHEET  
**48**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



EXPIRES 5-23-19

### APPROACH STA 32+45.00 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+45.00

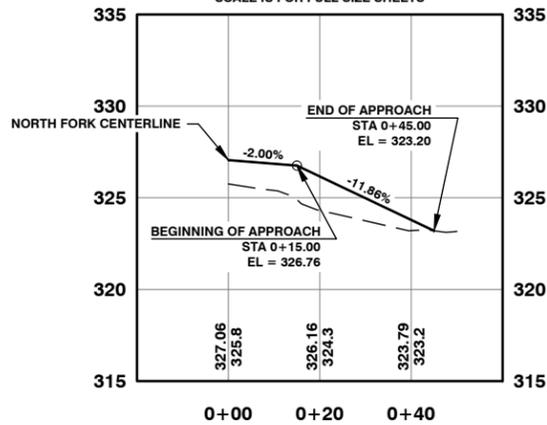
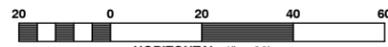
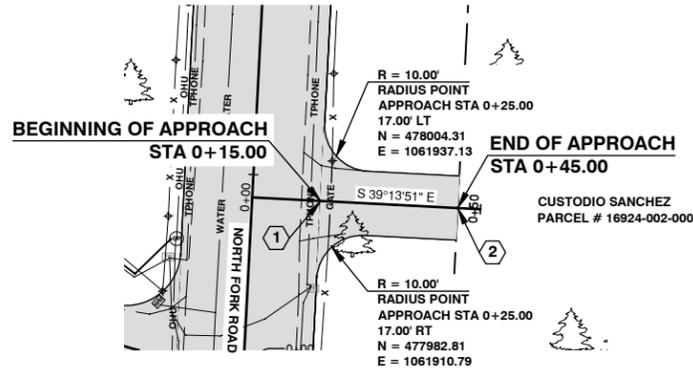
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+45.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+45.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 14.00'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

- 6 C.Y. ROADWAY EXCAVATION INCL. HAUL
- 2 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)
- 19 TON CRUSHED SURFACING BASE COURSE
- 1 TON CRUSHED SURFACING TOP COURSE
- 5 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



### APPROACH STA 38+58.00 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+55.00

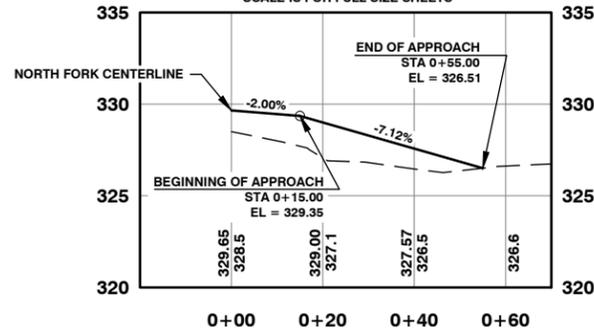
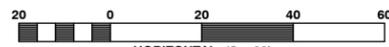
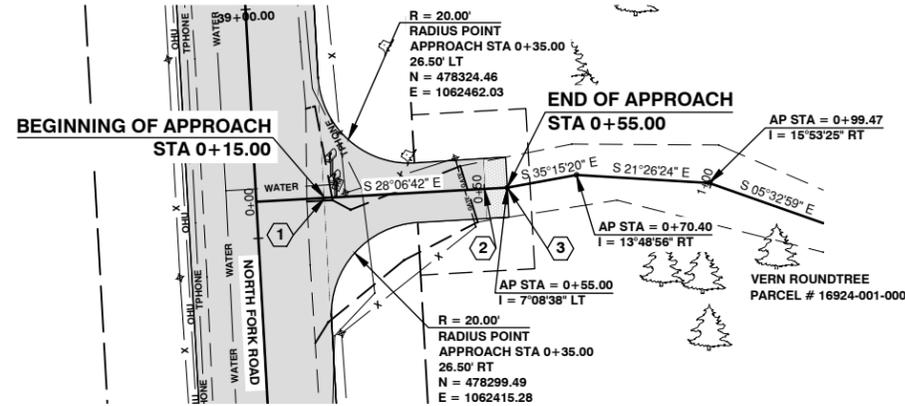
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+50.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+50.00 TO STA. 0+55.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+55.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 13.12'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

- 0 C.Y. ROADWAY EXCAVATION INCL. HAUL
- 29 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)
- 29 TON CRUSHED SURFACING BASE COURSE
- 1 TON CRUSHED SURFACING TOP COURSE
- 7 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



### APPROACH STA 41+98.00 LEFT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+65.00

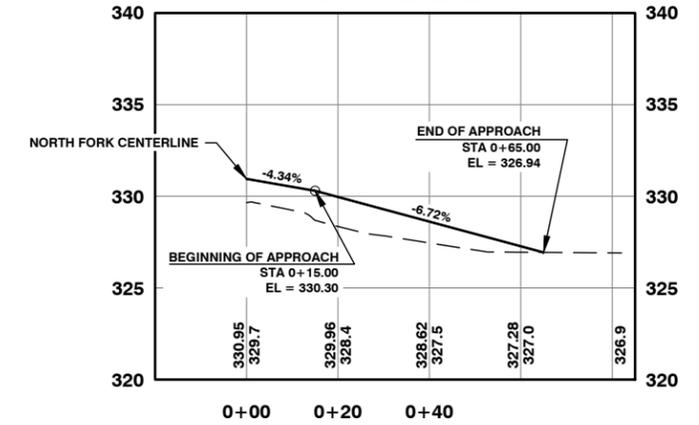
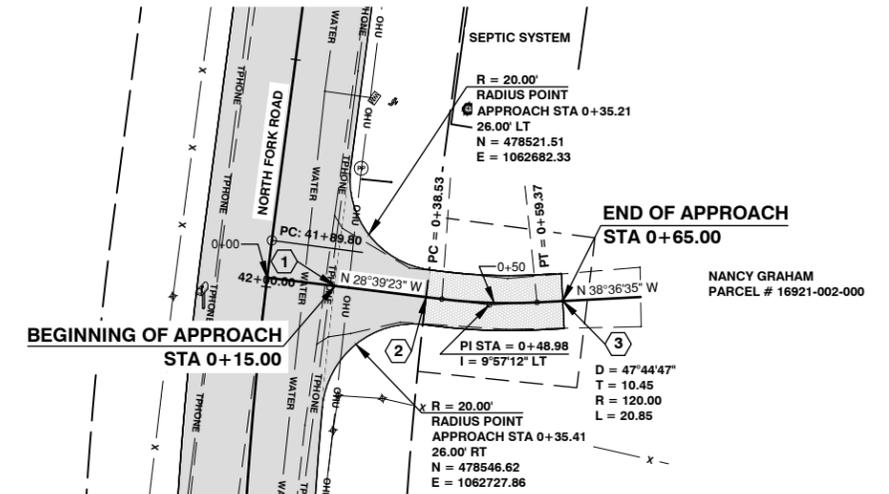
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+35.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65  
PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+35.00 TO STA. 0+65.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+65.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 12.00'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

- 0 C.Y. ROADWAY EXCAVATION INCL. HAUL
- 28 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)
- 32 TON CRUSHED SURFACING BASE COURSE
- 4 TON CRUSHED SURFACING TOP COURSE
- 5 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



NO.	DATE	REVISION	BY	APP.



### APPROACH STA 43+20.00 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 1+20.00

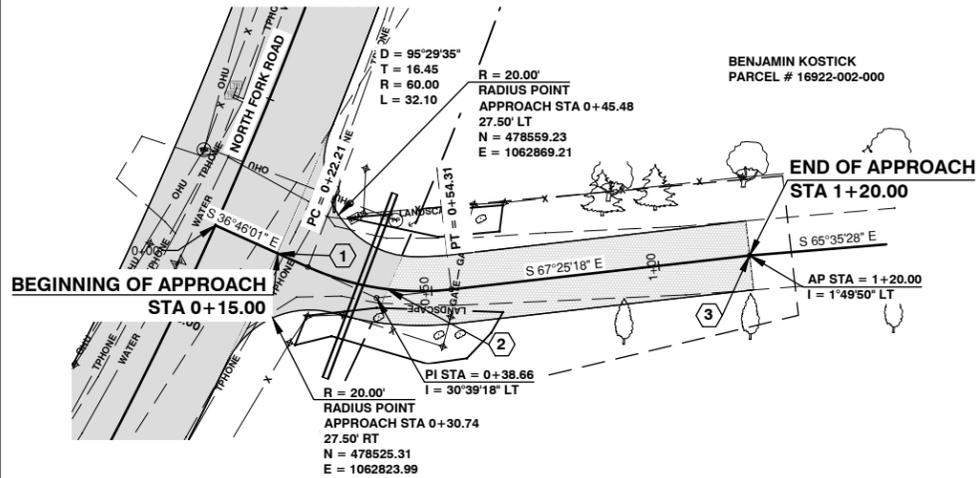
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+40.27 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65 PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+40.27 TO STA. 1+20.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 1+20.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 15.15'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

0 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 226 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 70 TON CRUSHED SURFACING BASE COURSE  
 13 TON CRUSHED SURFACING TOP COURSE  
 7 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



### APPROACH STA 44+61.50 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 1+03.00

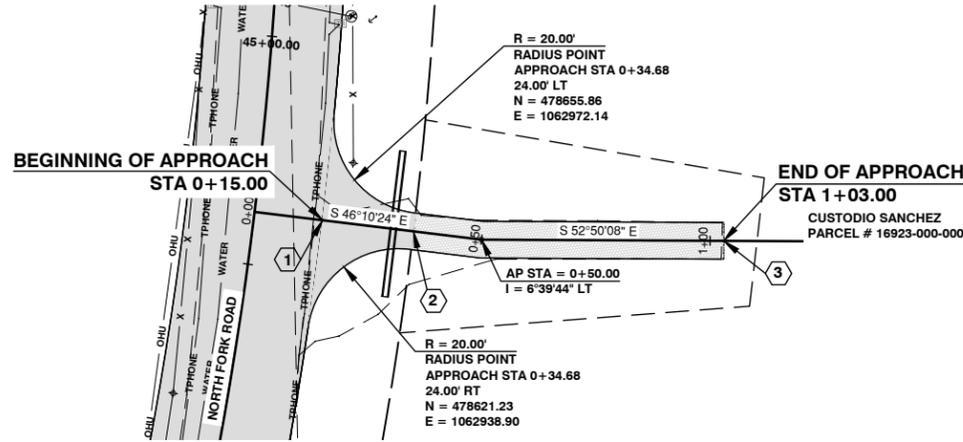
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+35.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65 PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+35.00 TO STA. 1+03.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 1+03.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 8.00'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

0 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 119 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 38 TON CRUSHED SURFACING BASE COURSE  
 6 TON CRUSHED SURFACING TOP COURSE  
 4 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



### APPROACH STA 46+75.00 LEFT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+50.00

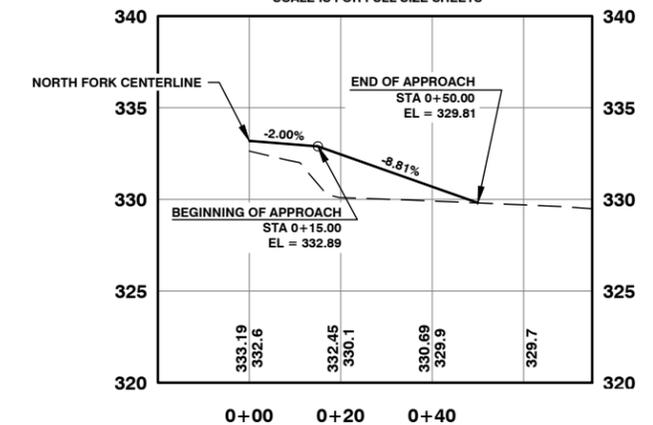
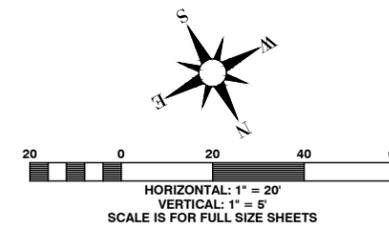
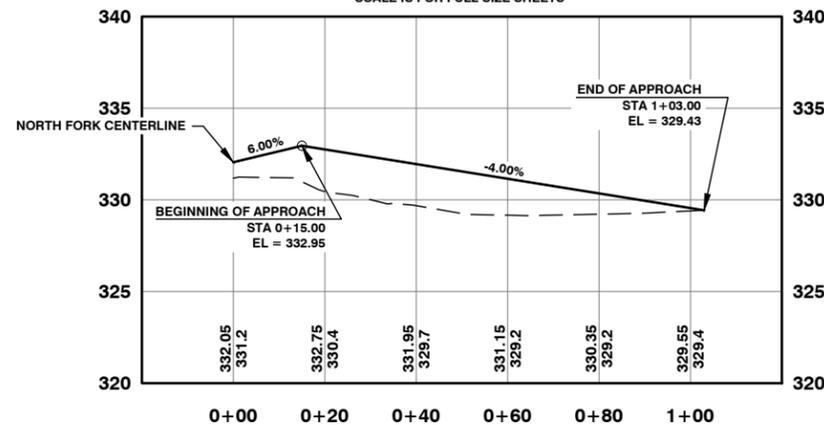
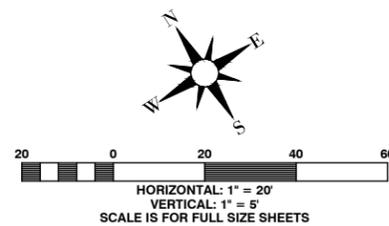
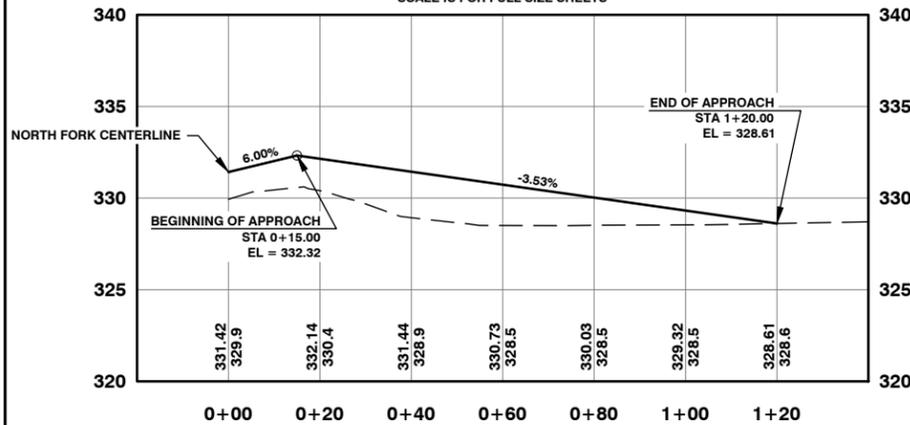
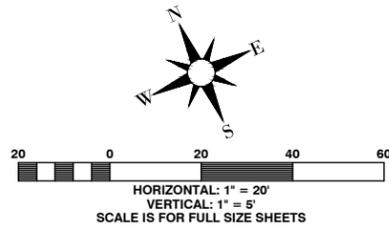
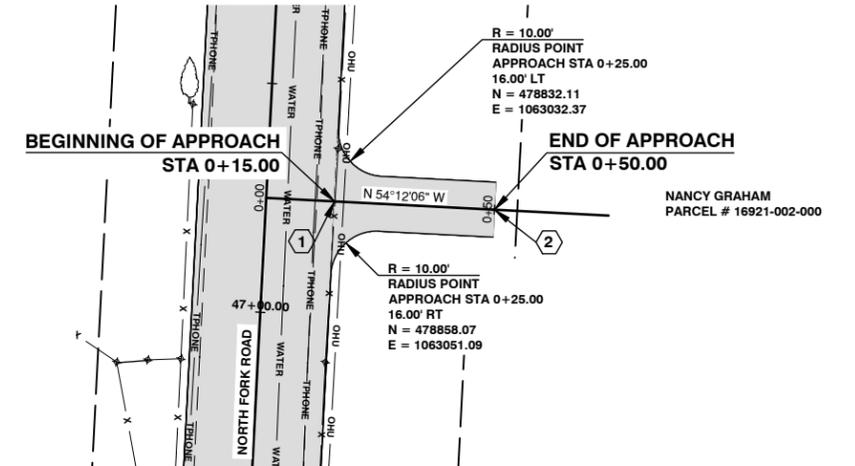
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+50.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+50.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 12.00'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

0 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 8 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 19 TON CRUSHED SURFACING BASE COURSE  
 1 TON CRUSHED SURFACING TOP COURSE  
 5 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



NO.	DATE	REVISION	BY	APP.



**APPROACH STA 50+76.12 RIGHT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+70.00

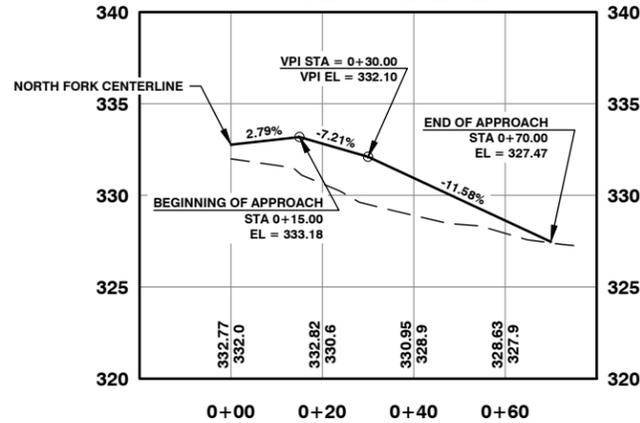
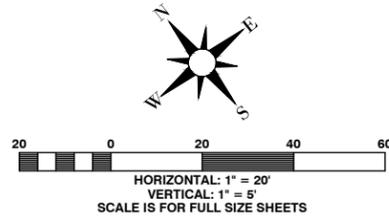
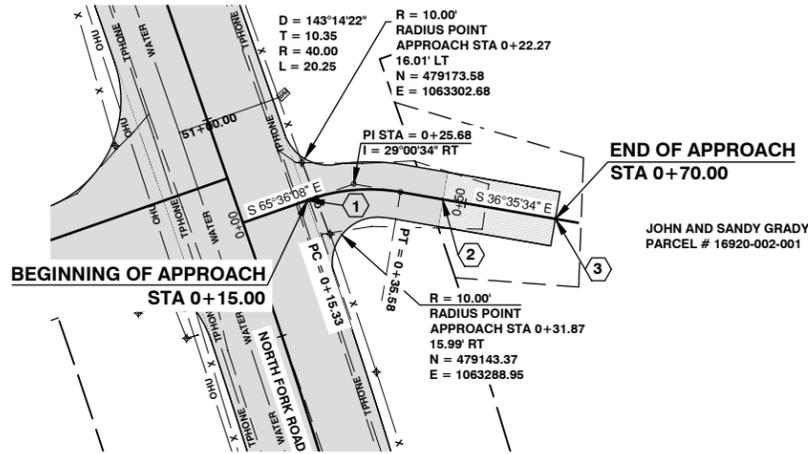
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+44.93 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+44.93 TO STA. 0+70.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+70.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 12.00'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

4 C.Y. ROADWAY EXCAVATION INCL. HAUL  
52 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
30 TON CRUSHED SURFACING BASE COURSE  
3 TON CRUSHED SURFACING TOP COURSE  
5 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**APPROACH STA 50+86.39 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+60.00

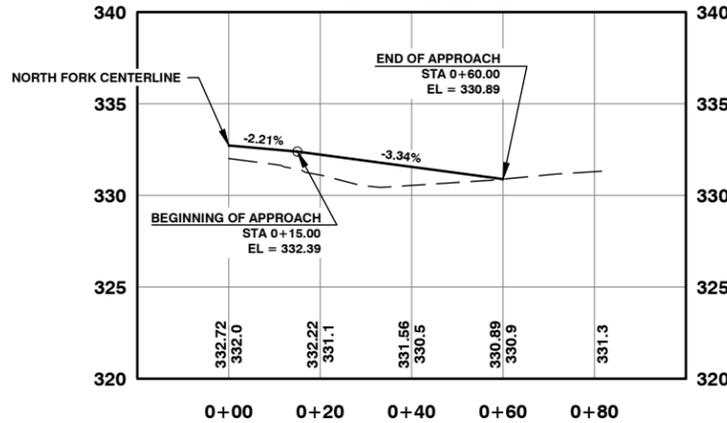
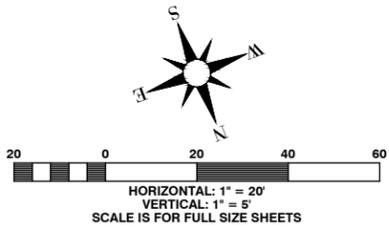
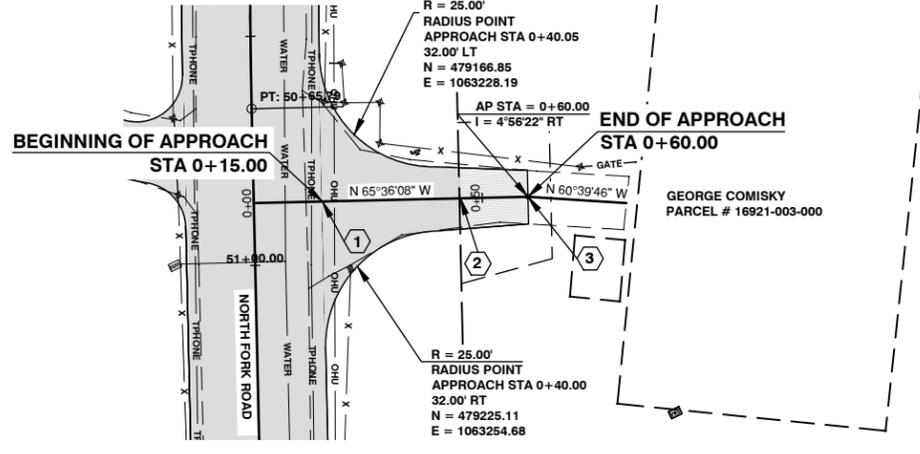
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+45.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65  
PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+45.00 TO STA. 0+60.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+60.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 11.70'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

5 C.Y. ROADWAY EXCAVATION INCL. HAUL  
33 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
36 TON CRUSHED SURFACING BASE COURSE  
3 TON CRUSHED SURFACING TOP COURSE  
8 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**APPROACH STA 53+21.00 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+85.00

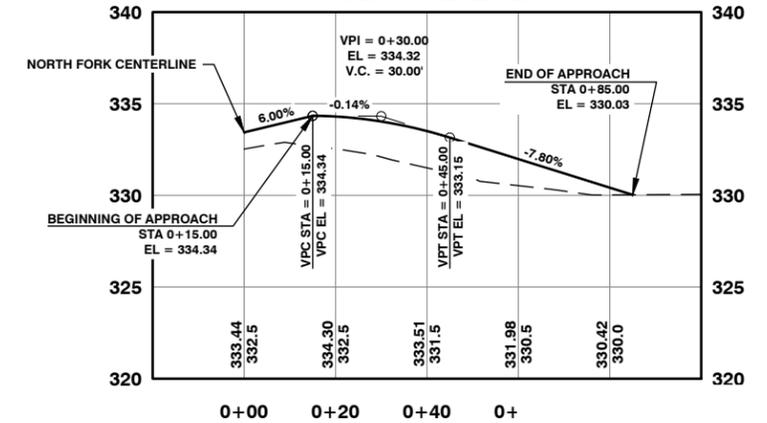
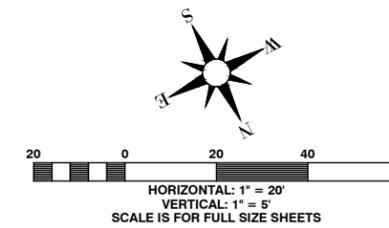
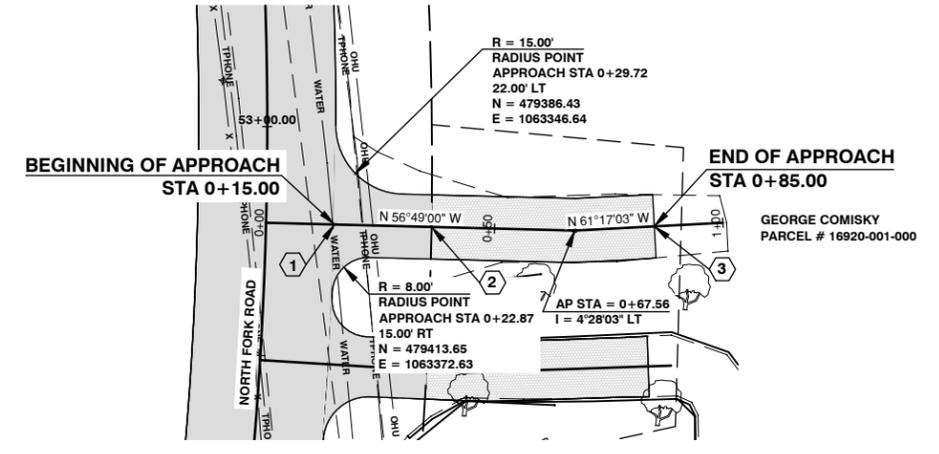
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+36.23 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65  
PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+36.23 TO STA. 0+85.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+85.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 13.82'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

3 C.Y. ROADWAY EXCAVATION INCL. HAUL  
95 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
42 TON CRUSHED SURFACING BASE COURSE  
7 TON CRUSHED SURFACING TOP COURSE  
4 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**Lewis County**  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY: J. PIPER  
DRAWN BY: J. PIPER  
CHECKED BY:  
DATE:

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

APPROACH 50+76.12 RIGHT  
APPROACH 50+86.39 LEFT  
APPROACH 53+21.00 LEFT

SHEET  
**51**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



**APPROACH STA 53+51.00 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+85.00

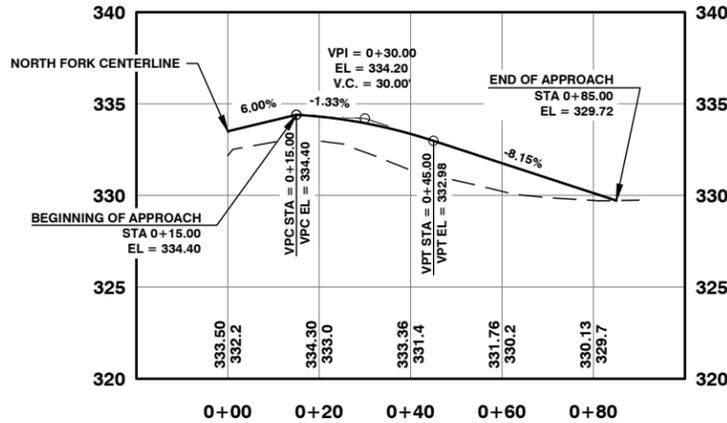
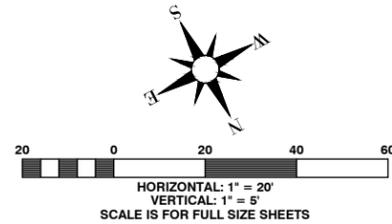
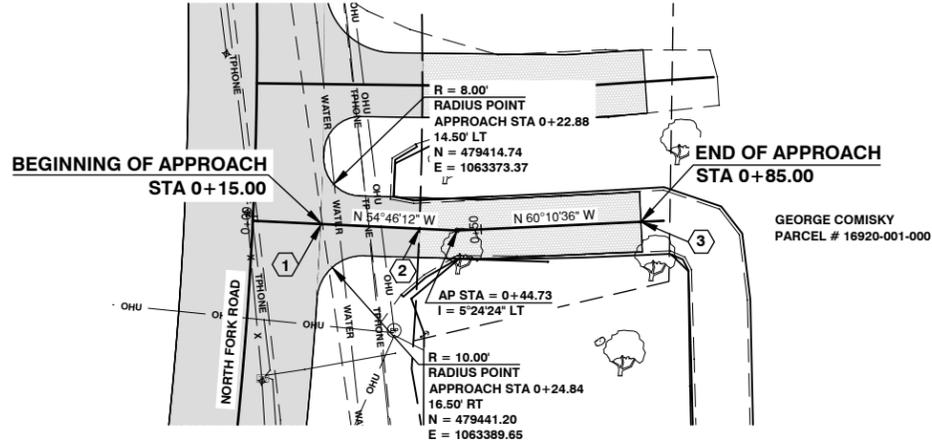
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+36.52 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65  
PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+36.52 TO STA. 0+85.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+85.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 13.20'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

3 C.Y. ROADWAY EXCAVATION INCL. HAUL  
86 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
39 TON CRUSHED SURFACING BASE COURSE  
7 TON CRUSHED SURFACING TOP COURSE  
4 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**APPROACH STA 54+16.00 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+85.00

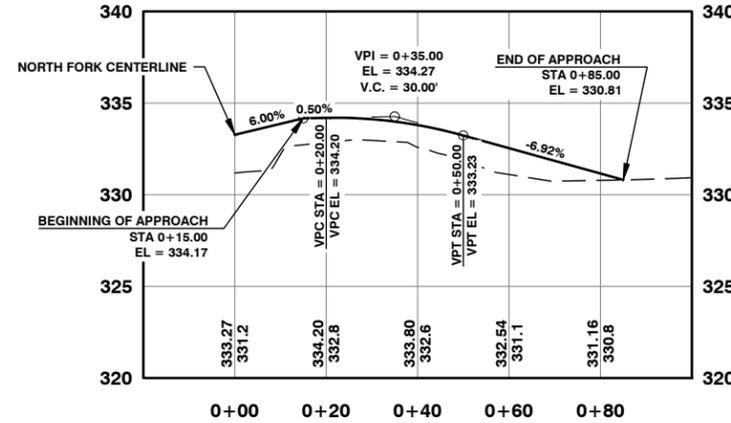
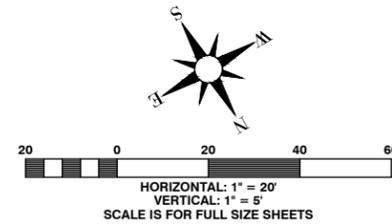
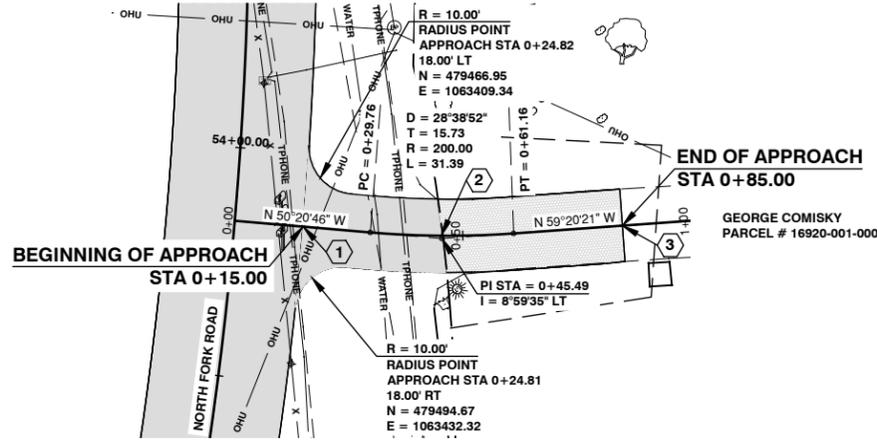
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+45.32 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65  
PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+45.32 TO STA. 0+85.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+85.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 15.85'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

3 C.Y. ROADWAY EXCAVATION INCL. HAUL  
61 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
46 TON CRUSHED SURFACING BASE COURSE  
7 TON CRUSHED SURFACING TOP COURSE  
6 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**APPROACH STA 58+75.00 RIGHT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+50.00

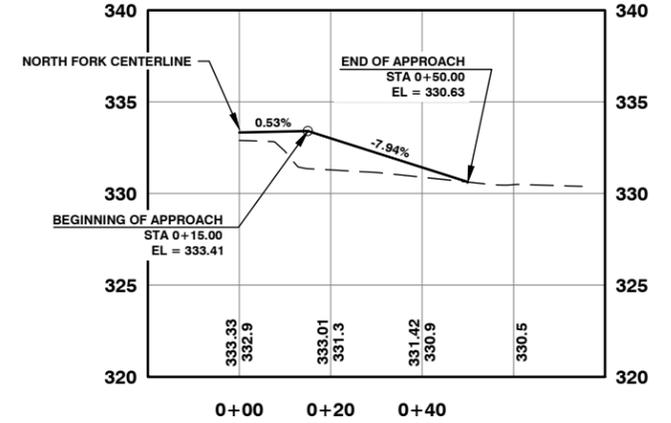
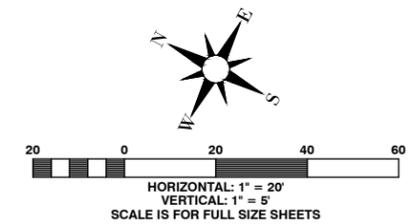
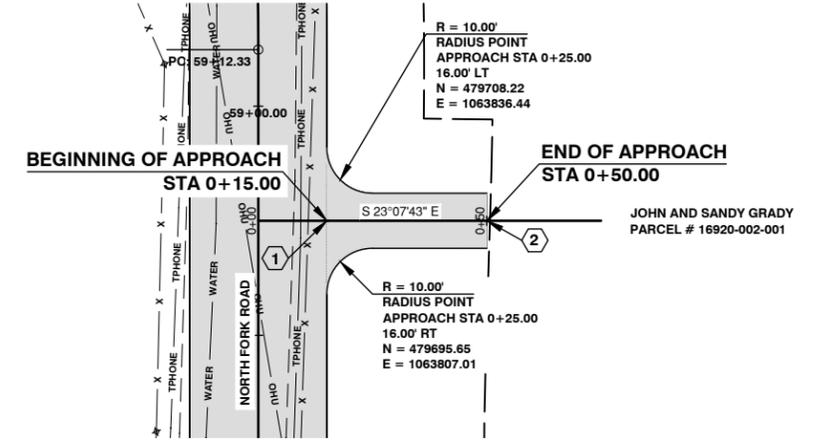
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+50.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+50.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 12.00'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

4 C.Y. ROADWAY EXCAVATION INCL. HAUL  
7 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
20 TON CRUSHED SURFACING BASE COURSE  
1 TON CRUSHED SURFACING TOP COURSE  
5 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



Lewis County  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719  
Department of Public Works

DESIGNED BY : J. PIPER  
DRAWN BY : J. PIPER  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

APPROACH 53+51.00 LEFT  
APPROACH 54+16.00 LEFT  
APPROACH 58+75.00 RIGHT

SHEET  
**52**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design

Date: 4-11-19  
EXPIRES 5-23-19



### APPROACH STA 59+81.00 LEFT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+75.00

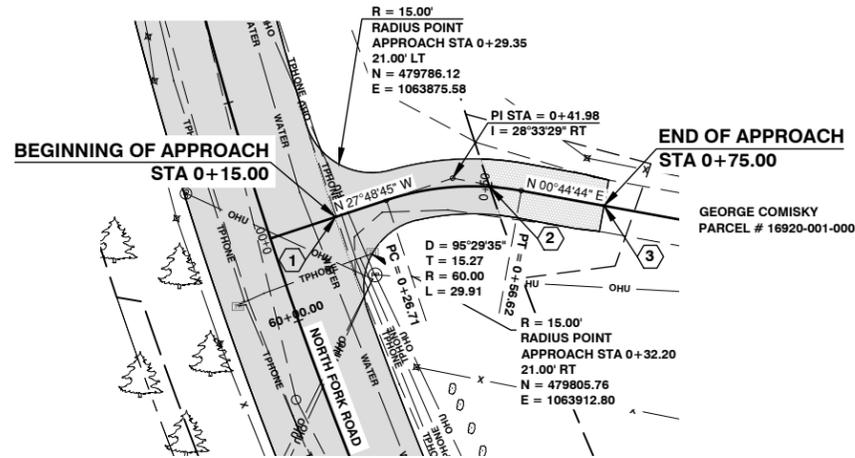
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+49.63 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65 PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+49.63 TO STA. 0+75.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+75.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 11.39'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

6 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 18 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 34 TON CRUSHED SURFACING BASE COURSE  
 4 TON CRUSHED SURFACING TOP COURSE  
 6 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



### APPROACH STA 60+84.00 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+75.00

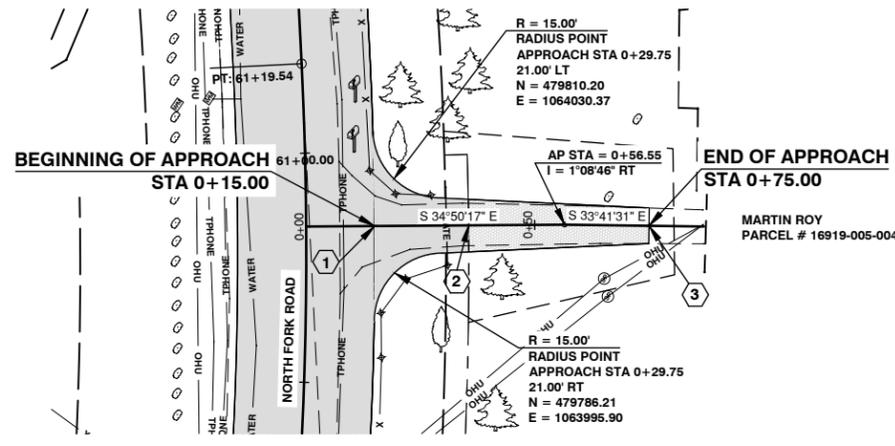
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+35.54 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65 PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+35.54 TO STA. 0+75.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+75.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 7.78'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

2 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 96 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 31 TON CRUSHED SURFACING BASE COURSE  
 4 TON CRUSHED SURFACING TOP COURSE  
 4 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



### APPROACH STA 61+59.00 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+60.00

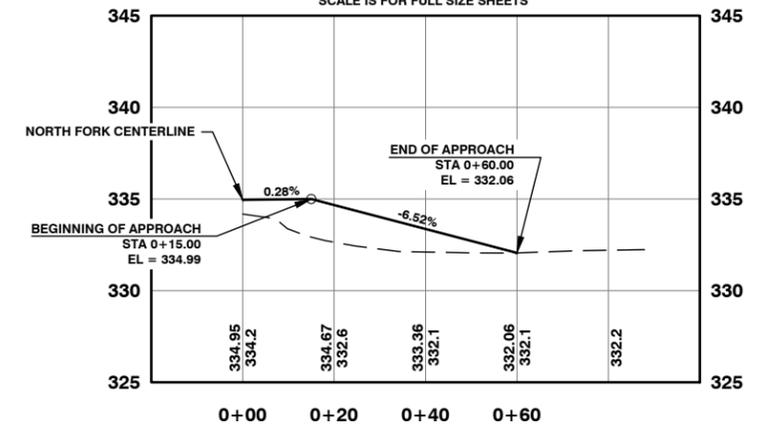
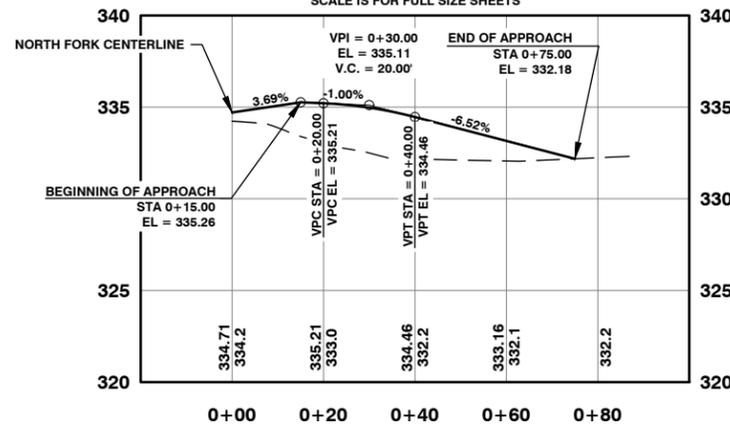
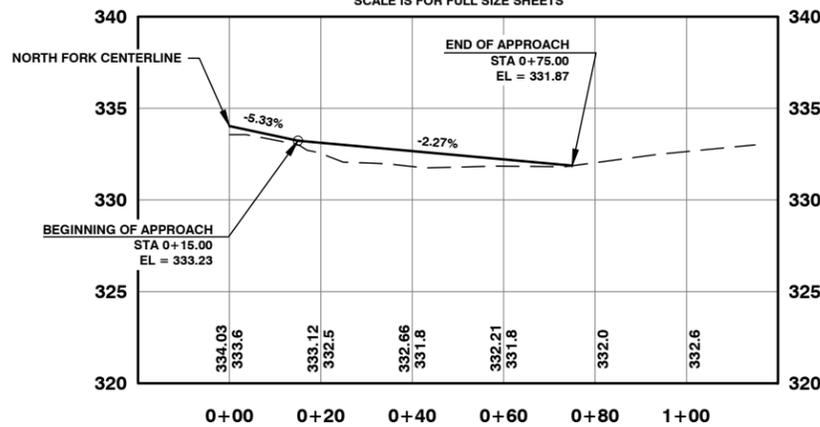
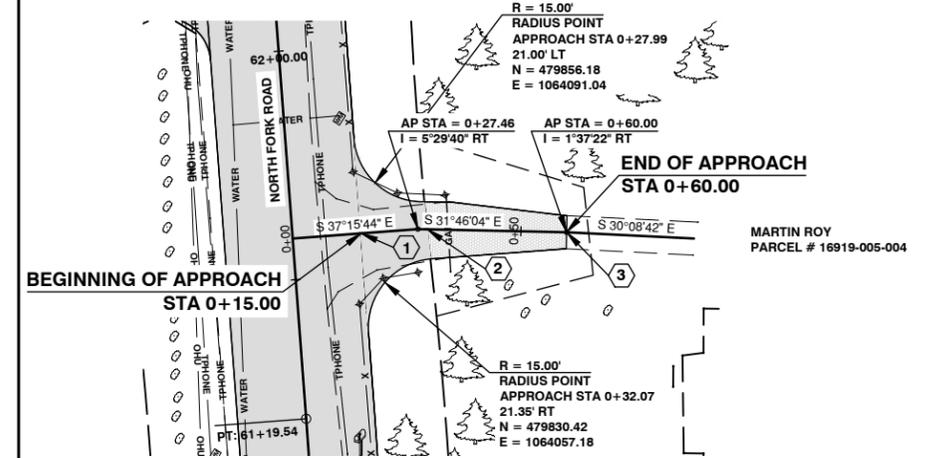
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+29.51 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65 PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+29.51 TO STA. 0+60.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+60.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 7.20'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

#### APPROACH QUANTITIES:

3 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 33 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 25 TON CRUSHED SURFACING BASE COURSE  
 4 TON CRUSHED SURFACING TOP COURSE  
 3 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



Lewis County  
 2025 N. E. KRESKY AVE.  
 CHEHALIS WA 98532  
 PHONE # (360) 740-1123  
 FAX # (360) 740-2719  
 Department of Public Works

DESIGNED BY : J. PIPER  
 DRAWN BY : J. PIPER  
 CHECKED BY :  
 DATE :

NO.	DATE	REVISION	BY	APP.

## NORTH FORK ROAD REALIGNMENT PROJECT

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158

APPROACH 59+81.00 LEFT  
 APPROACH 60+84.00 RIGHT  
 APPROACH 61+59.00 RIGHT

SHEET  
**53**  
 OF  
**65**



Donald J. Carney, P.E.  
 Senior Engineer/Design

Date: 4-11-19  
 EXPIRES 5-23-19



**APPROACH STA 62+20.58 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+60.00

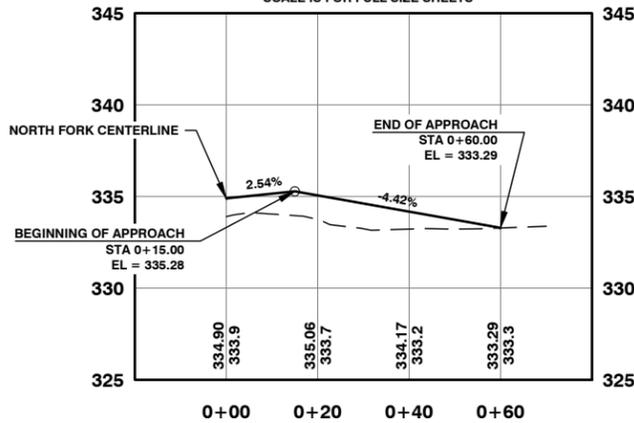
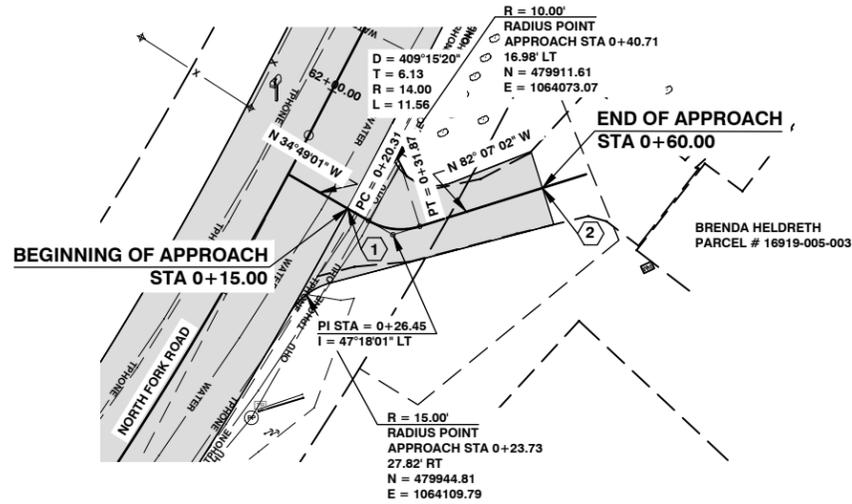
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+60.00 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65
- 2 STA. 0+60.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 16.70'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND 8:1 RIGHT

**APPROACH QUANTITIES:**

10 C.Y. ROADWAY EXCAVATION INCL. HAUL  
30 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
51 TON CRUSHED SURFACING BASE COURSE  
1 TON CRUSHED SURFACING TOP COURSE  
13 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**APPROACH STA 66+79.00 LEFT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+50.00

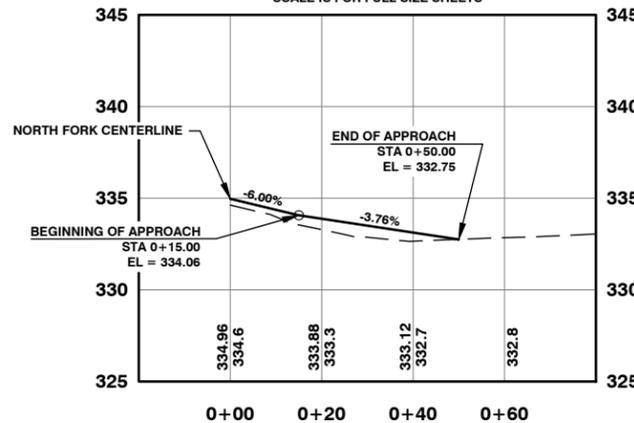
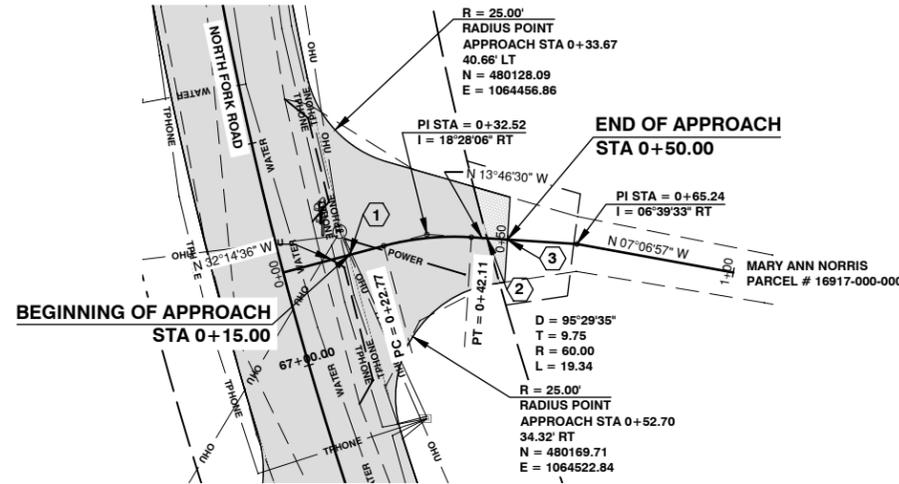
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+45.52 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65  
PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+45.52 TO STA. 0+50.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+50.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 18.59'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

9 C.Y. ROADWAY EXCAVATION INCL. HAUL  
21 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
45 TON CRUSHED SURFACING BASE COURSE  
1 TON CRUSHED SURFACING TOP COURSE  
12 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



**APPROACH STA 67+48.00 RIGHT**

APPROACH STATION 0+15.00 TO APPROACH STATION 0+75.00

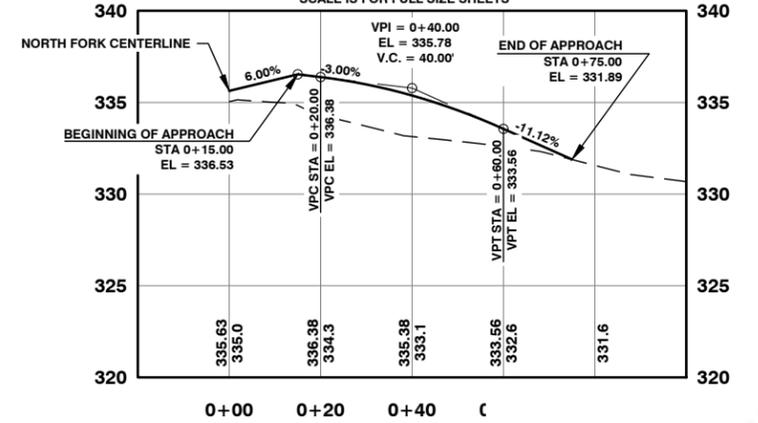
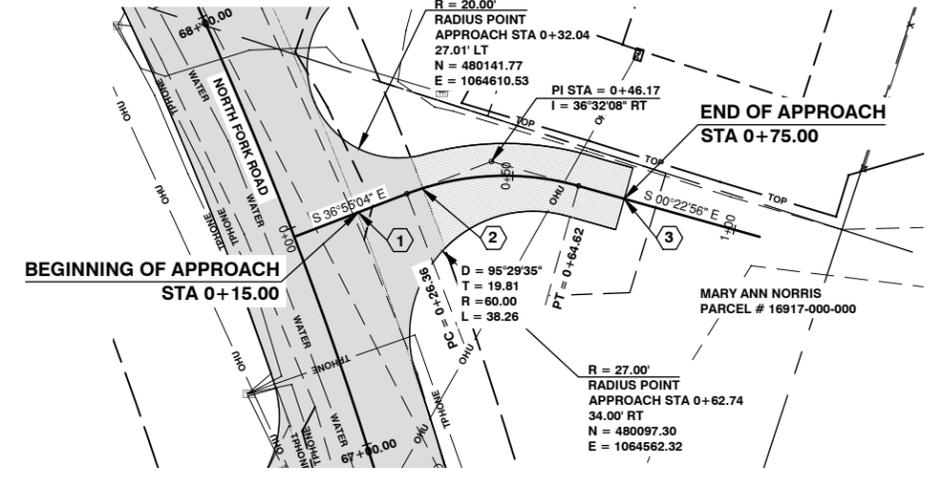
**CONSTRUCTION NOTES:**

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+29.86 SEE APPROACH PAVING SECTION ON SHEET 41 OF 65  
PAVEMENT TO STOP ALONG ROW LINE
- 2 STA. 0+29.86 TO STA. 0+75.00 SEE APPROACH GRAVEL SECTION ON SHEET 41 OF 65
- 3 STA. 0+75.00 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 14.00'

**NOTE:**  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

**APPROACH QUANTITIES:**

6 C.Y. ROADWAY EXCAVATION INCL. HAUL  
99 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
48 TON CRUSHED SURFACING BASE COURSE  
8 TON CRUSHED SURFACING TOP COURSE  
6 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



NO.	DATE	REVISION	BY	APP.



### APPROACH STA 68+18.00 RIGHT

APPROACH STATION 0+15.00 TO APPROACH STATION 0+81.87

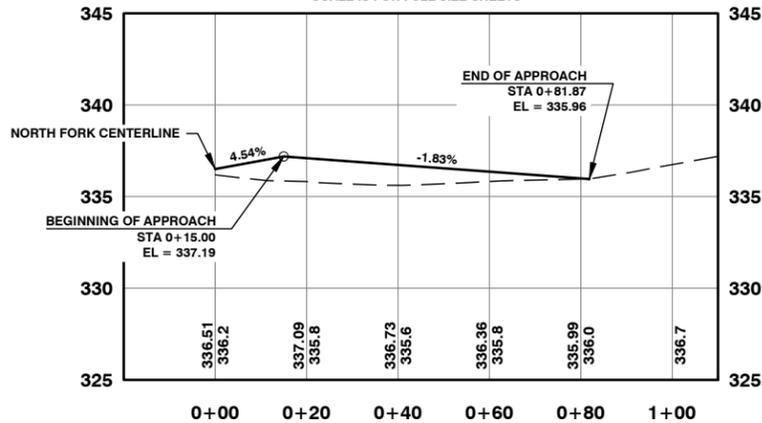
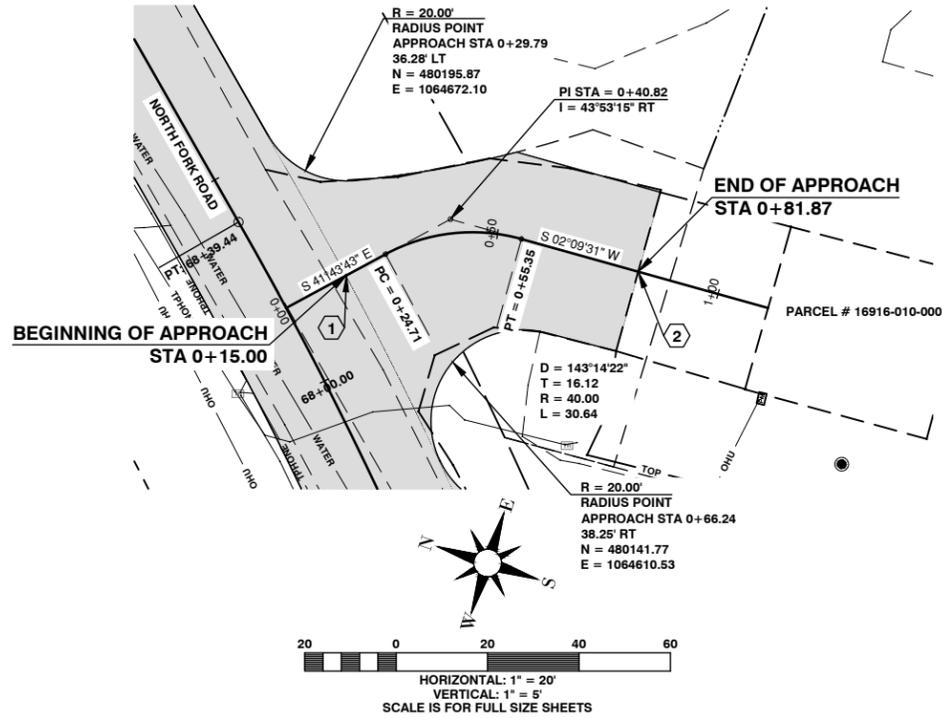
#### CONSTRUCTION NOTES:

- 1 STA. 0+15.00 BEGIN APPROACH  
STA. 0+15.00 TO STA. 0+81.87 SEE APPROACH 2 PAVING SECTION ON SHEET 42 OF 65
- 2 STA. 0+81.87 END OF APPROACH TO MATCH EXISTING GROUND  
TOTAL WIDTH AT END OF APPROACH = 35.98'

NOTE:  
APPROACH SLOPES WILL BE 3:1 LEFT AND RIGHT

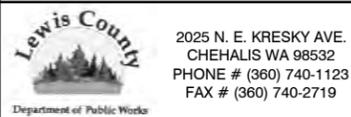
#### APPROACH QUANTITIES:

92 C.Y. ROADWAY EXCAVATION INCL. HAUL  
 1 TON SELECT BORROW INCL. HAUL (CRUSHED SURFACING BASE COURSE)  
 213 TON CRUSHED SURFACING BASE COURSE  
 58 TON CRUSHED SURFACING TOP COURSE  
 60 TON HMA FOR APPROACH CLASS 3/8 IN. PG 58H-22



INTENTIONALLY BLANK

INTENTIONALLY BLANK



DESIGNED BY : J. PIPER  
 DRAWN BY : J. PIPER  
 CHECKED BY :  
 DATE :

NO.	DATE	REVISION	BY	APP.

## NORTH FORK ROAD REALIGNMENT PROJECT

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158

APPROACH 68+18.00 RIGHT

SHEET  
**55**  
 OF  
**65**

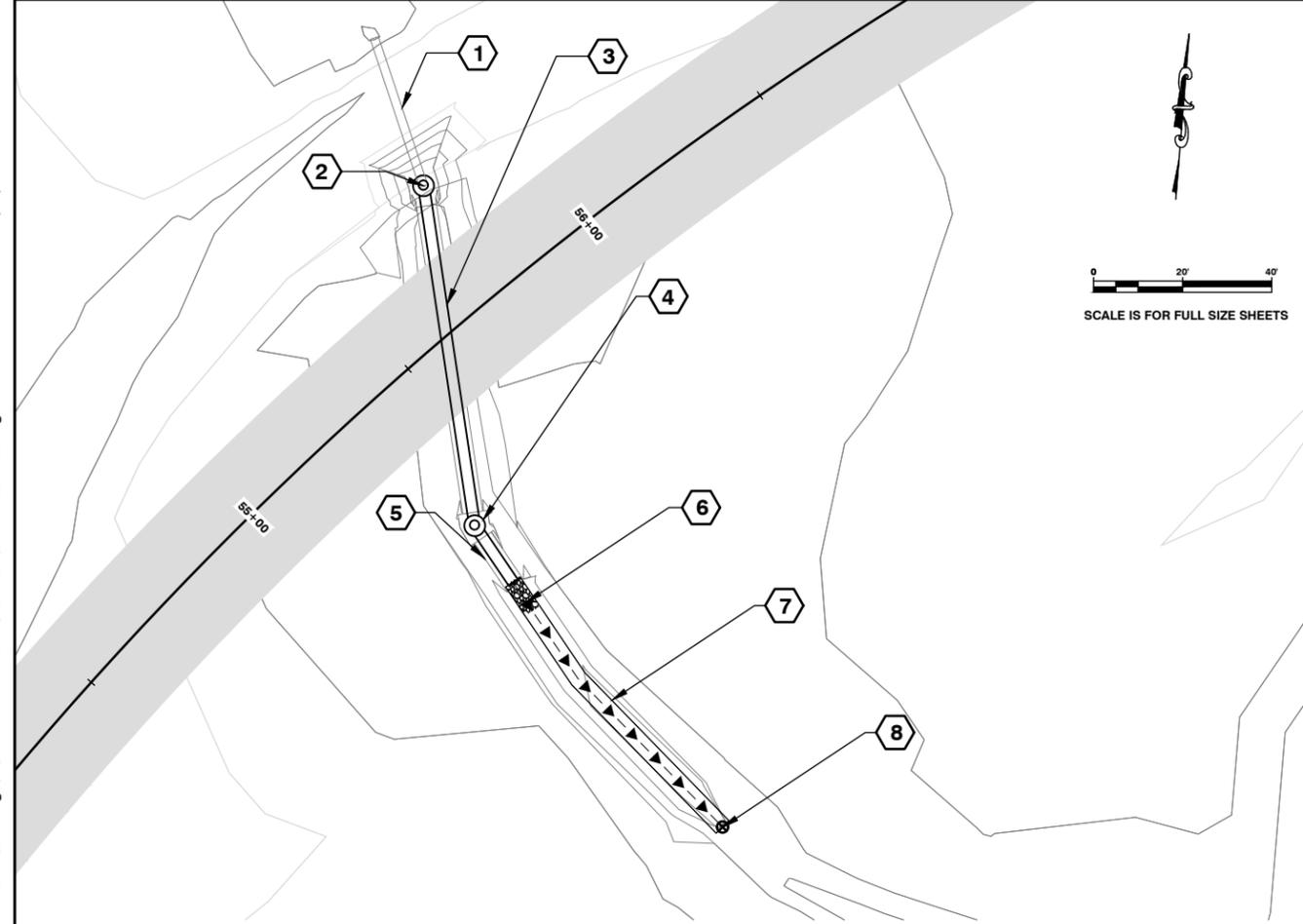


Donald J. Carney, P.E.  
 Senior Engineer/Design

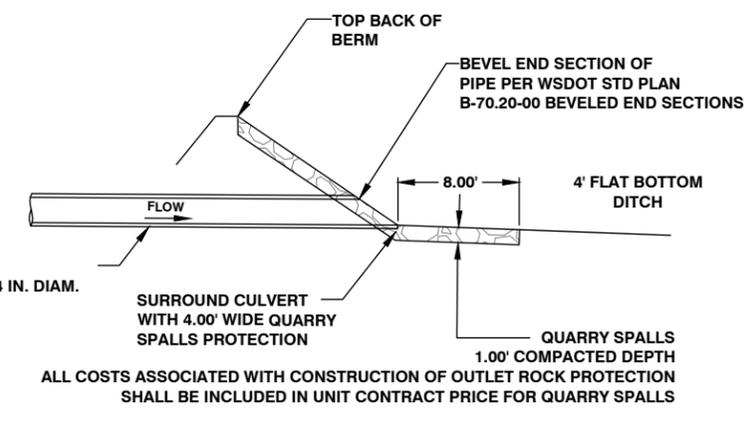
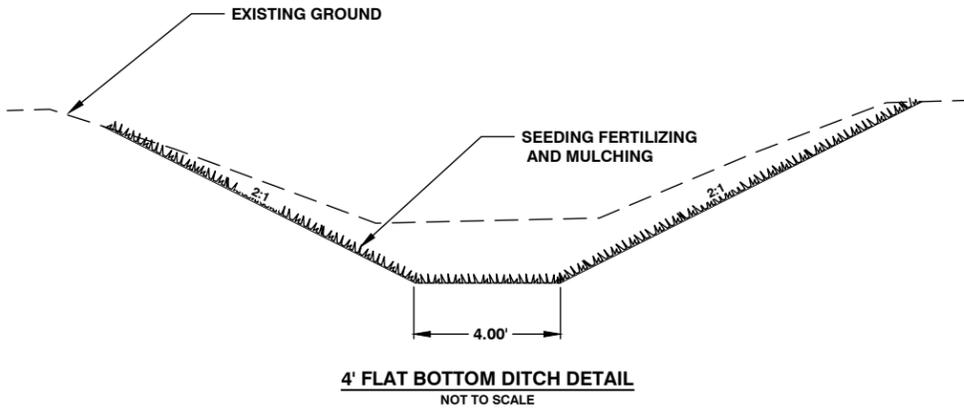
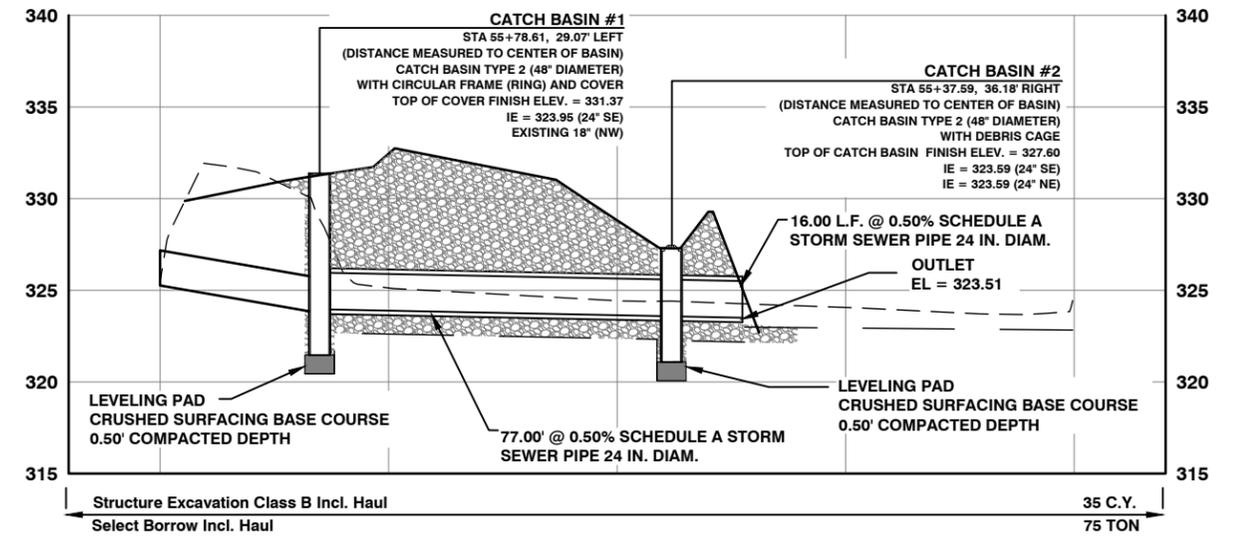
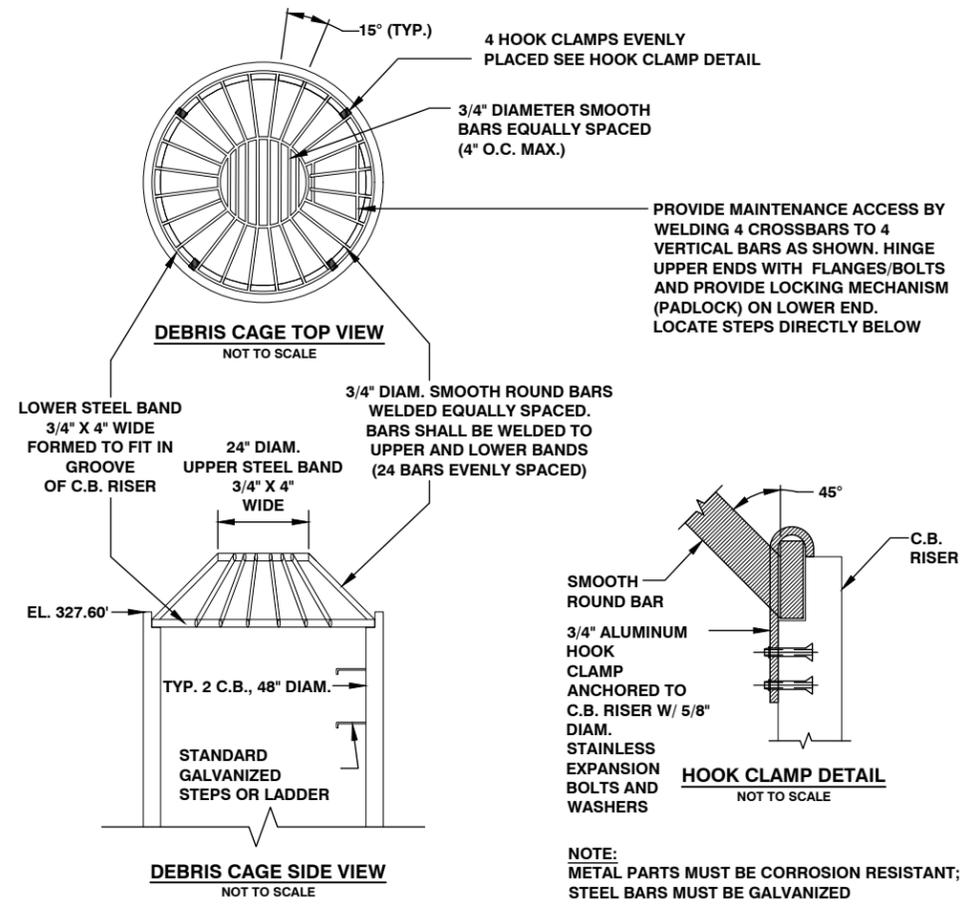
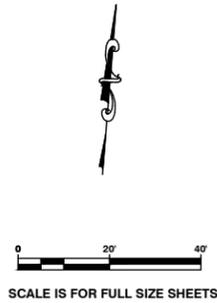
*Donald J. Carney*  
 Date: 4-11-19



EXPIRES 5-23-19



- CONSTRUCTION NOTES**
- 1 EXISTING 18" CONCRETE CULVERT TO REMAIN
  - 2 STA 55+78.61, 29.07' LEFT (CB #1)  
CONSTRUCT CATCH BASIN TYPE 2 - 48 IN. DIAM., WITH CIRCULAR FRAME (RING) AND COVER  
SEE WSDOT STANDARD PLAN CATCH BASIN TYPE 2 B-10.20-02 AND CIRCULAR FRAME (RING) AND COVER B-30.70-04
  - 3 CONSTRUCT SCHEDULE A STORM SEWER PIPE 24" DIAM., 77.00' LONG
  - 4 STA 55+37.59, 36.18' RIGHT (CB #2)  
CONSTRUCT CATCH BASIN TYPE 2 - 48 IN. DIAM., WITH DEBRIS CAGE  
SEE WSDOT STANDARD PLAN CATCH BASIN TYPE 2 B-10.20-02 SEE DEBRIS CAGE DETAIL ON THIS SHEET
  - 5 CONSTRUCT SCHEDULE A STORM SEWER PIPE 24" DIAM., 16.00' LONG
  - 6 CONSTRUCT OUTLET ROCK PROTECTION  
SEE OUTLET ROCK PROTECTION DETAIL ON THIS SHEET  
3 TON QUARRY SPALLS
  - 7 CONSTRUCT 4' FLAT BOTTOM DITCH  
SEE 4' FLAT BOTTOM DITCH DETAIL ON THIS SHEET  
34 C.Y. OF DITCH EXCAVATION  
0.03 ACRES SEEDING, FERTILIZING, AND MULCHING
  - 8 EXISTING 30" CMP DIAM. PIPE TO REMAIN  
I.E. 322.83



**STORM DRAIN DETAIL**

Lewis County  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY :	NO.	DATE	REVISION	BY	APP.
DRAWN BY : CJC					
CHECKED BY :					
DATE :					

**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

STORM DRAIN DETAIL

SHEET  
56  
OF  
65



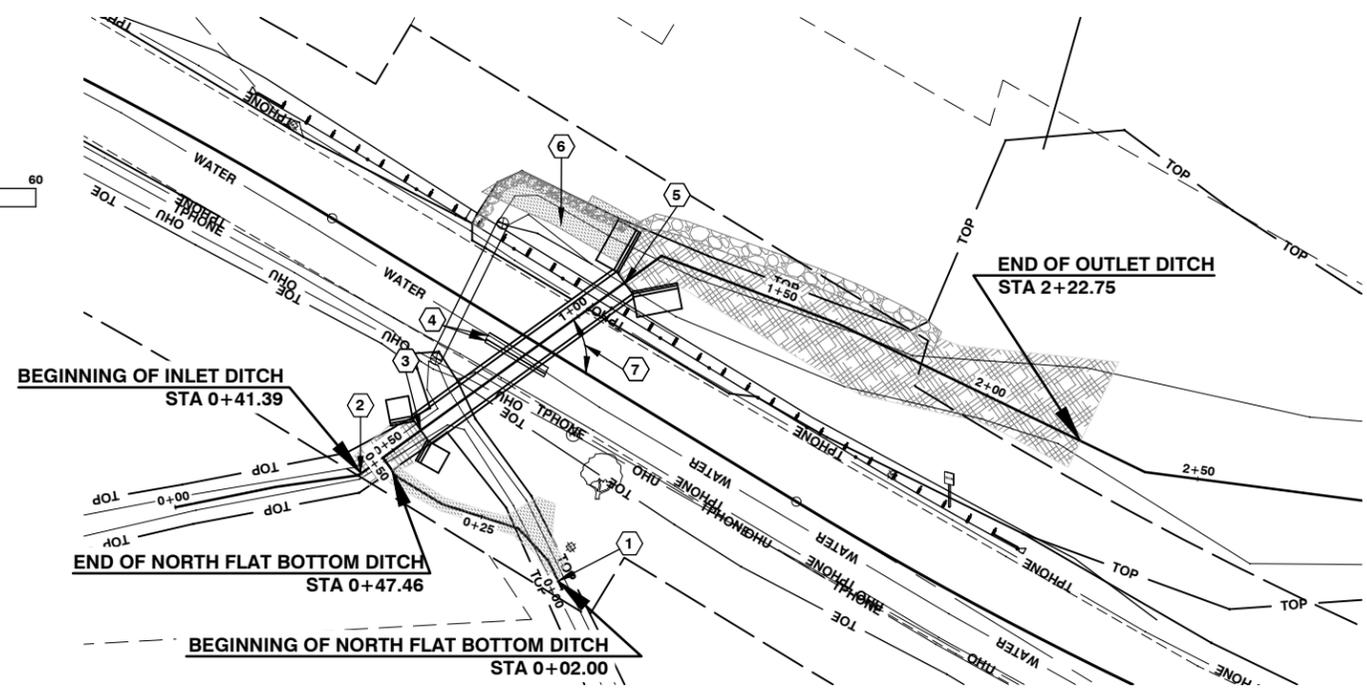
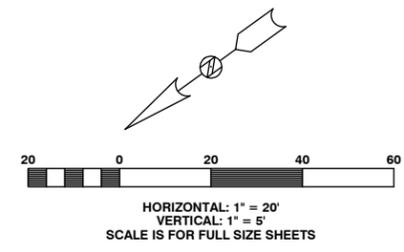
Donald J. Carney, P.E.  
Senior Engineer/Design

Date: 4-11-19  
EXPIRES 5-23-19



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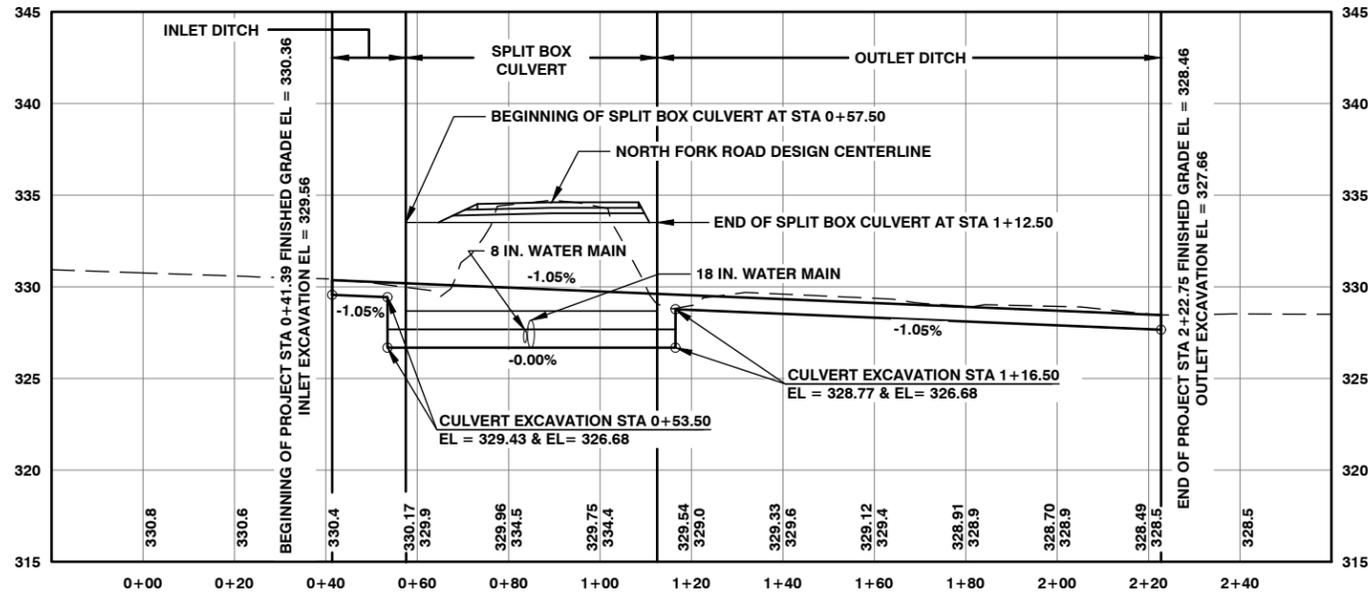
TWP. 13N. RGE. 1W. W.M.



CONSTRUCTION NOTES:

- ① STA 0+02.00 TO STA 0+47.46 (NORTH FLAT BOTTOM DITCH ALIGNMENT)  
CONSTRUCT NORTH FLAT BOTTOM DITCH AS STAKED IN THE FIELD BY THE ENGINEER  
STA 0+02.00 TO STA 0+20.00 CONSTRUCT DITCH  
SEE NORTH FLAT BOTTOM DITCH DETAIL A ON SHEET 60 OF 65  
1 C.Y. TOPSOIL TYPE C  
STA 0+20.00 TO STA 0+47.46 CONSTRUCT DITCH  
SEE NORTH FLAT BOTTOM DITCH DETAIL B ON SHEET 60 OF 65  
1 C.Y. DITCH EXCAVATION INCL. HAUL  
0.01 ACRE SEEDING, FERTILIZING, AND MULCHING
- ② STA 0+49.39 TO STA 0+57.50 (BOX CULVERT ALIGNMENT)  
CONSTRUCT INLET DITCH AS STAKED IN THE FIELD BY THE ENGINEER  
SEE INLET DITCH DETAIL ON SHEET 60 OF 65  
22 C.Y. DITCH EXCAVATION INCL. HAUL  
15 TON STREAMBED SEDIMENT  
0.01 ACRES SEEDING, FERTILIZING, AND MULCHING
- ③ STA 0+57.50 TO STA 1+12.50 (BOX CULVERT ALIGNMENT)  
CONSTRUCT SPLIT BOX CULVERT WITH WING WALLS  
6'-0" SPAN X 4'-0" RISE, 55.00' LONG  
AS STAKED IN THE FIELD BY THE ENGINEER  
SEE SPLIT BOX CULVERT DETAILS ON SHEETS 58 AND 59 OF 65  
330 C.Y. STRUCTURE EXCAVATION CLASS A INCL. HAUL  
89 TON GRAVEL BACKFILL FOR FOUNDATION CLASS A  
51 TON STREAMBED SEDIMENT  
SELECT BORROW QUANTITIES ARE INCLUDED IN MAINLINE
- ④ SEE SPLIT BOX CULVERT LAYOUT DETAIL ON SHEET 59 OF 65 FOR WATERMAIN LOCATIONS
- ⑤ STA 1+12.50 TO STA 2+22.75 (BOX CULVERT ALIGNMENT)  
CONSTRUCT OUTLET DITCH AS STAKED IN THE FIELD BY THE ENGINEER  
SEE OUTLET DITCH DETAIL ON SHEET 60 OF 65  
84 C.Y. DITCH EXCAVATION INCL. HAUL  
98 TON STREAMBED SEDIMENT  
29 TON ROCK FOR EROSION AND SCOUR PROTECTION CLASS A
- ⑥ STA 64+83.07 TO STA 65+16.26 (NORTH FORK ALIGNMENT)  
REMOVE EXISTING RIP RAP  
14 C.Y. DITCH EXCAVATION INCLUDING HAUL  
0.01 ACRES SEEDING, FERTILIZING, AND MULCHING  
FILL OLD STREAMBED DITCH WITH TOPSOIL TYPE C  
SEE OLD STREAMBED DITCH FILL DETAIL ON SHEET 60 OF 65  
24 C.Y. TOPSOIL TYPE C
- ⑦ SPLIT BOX CULVERT SKEW TO DESIGN CENTERLINE IS 67°09'53"

NOTE:  
SEED, FERTILIZE AND MULCH ALL EXPOSED SOILS



**Lewis County**  
Department of Public Works  
2025 NE KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-1479

DESIGNED BY : DJC  
DRAWN BY : CGA  
CHECKED BY :  
DATE :

NO.	DATE	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

SPLIT BOX CULVERT

SHEET  
**57**  
OF  
**65**

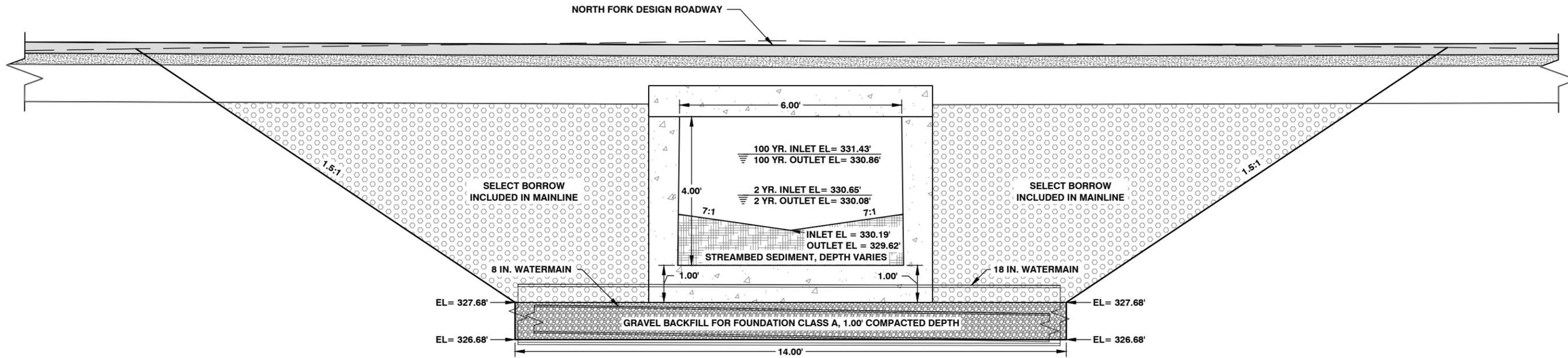


Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19

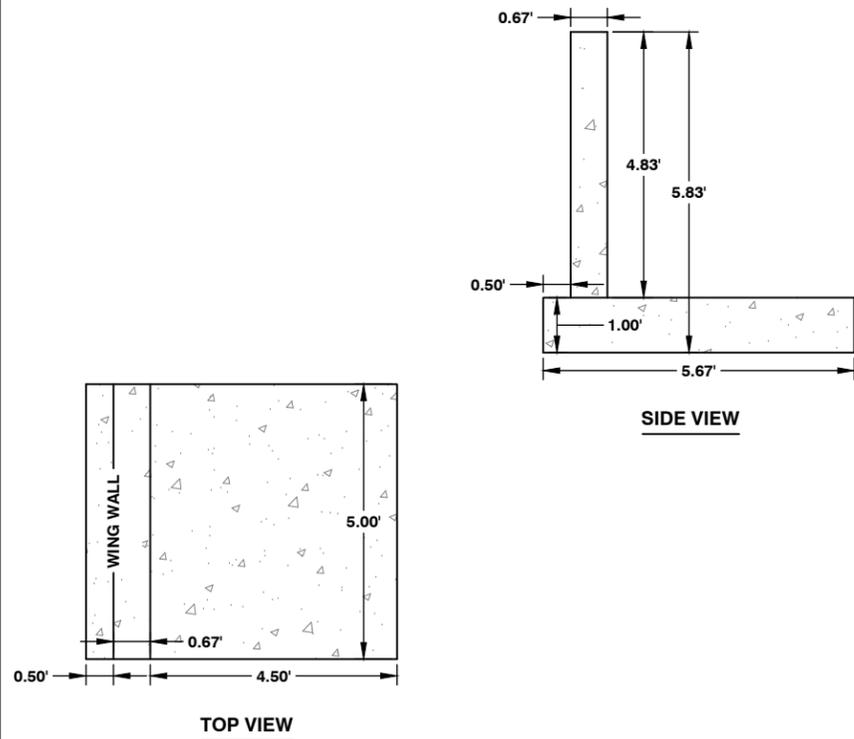


EXPIRES 5-23-19

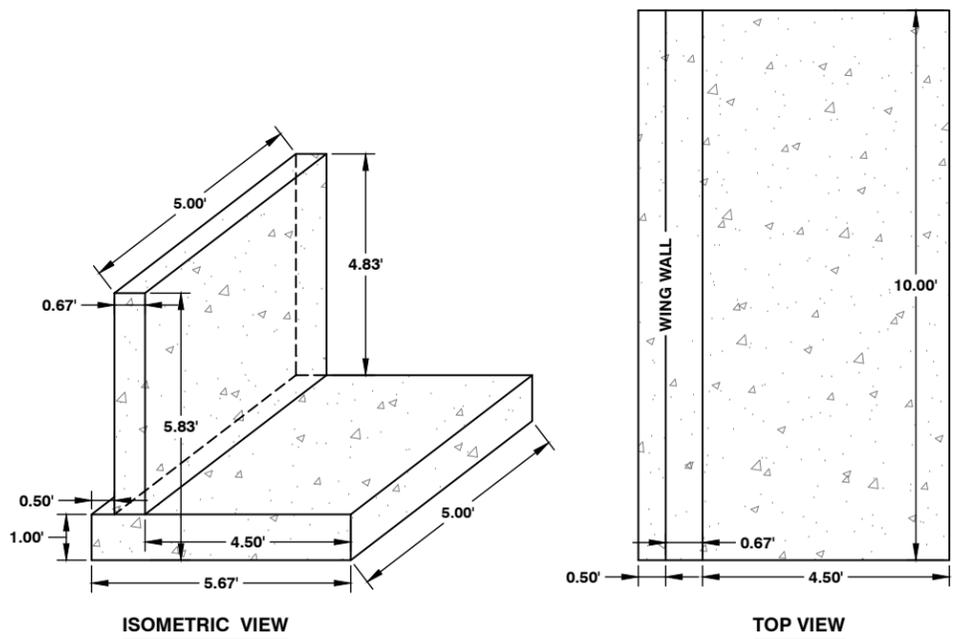
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**CONSTRUCTION NOTE:**  
EXCAVATION AND BACKFILL FOR WINGWALLS SHALL MATCH SPLIT BOX CULVERT DETAILS  
QUANTITIES INCLUDED IN CONSTRUCTION NOTE 3 ON PAGE 57 OF 65



**NORTHWEST & NORTHEAST WING WALLS**



**SOUTHWEST & SOUTHEAST WING WALLS**

**SPLIT BOX CULVERT**

STATION 0+57.50 TO STATION 1+12.50 (BOX CULVERT ALIGNMENT)  
NOT TO SCALE

**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY : DJC  
DRAWN BY : CGA  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
SPLIT BOX CULVERT DETAILS

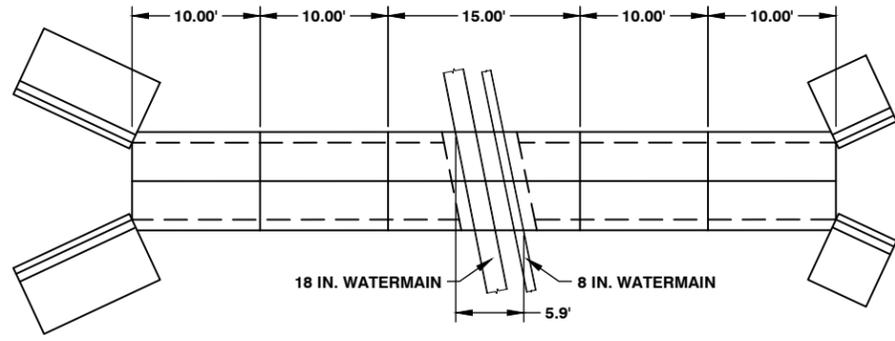
SHEET  
**58**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19

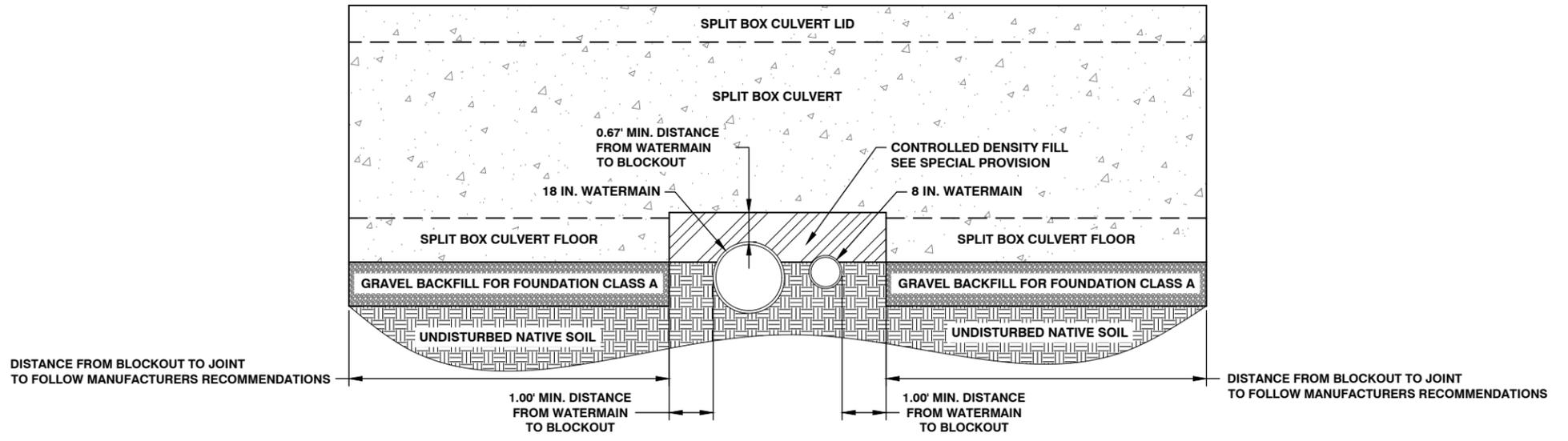


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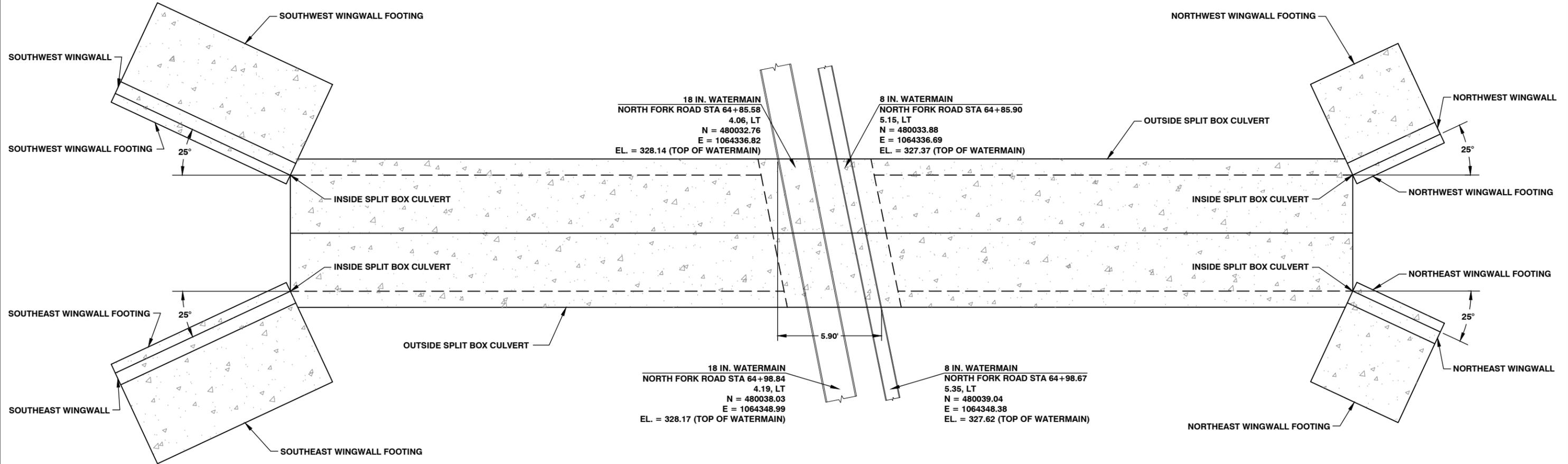


**SPLIT BOX CULVERT JOINT DETAIL**  
NOT TO SCALE

NOTE: SUGGESTED JOINT LAYOUT  
JOINTS TO FOLLOW MANUFACTURES RECOMMENDATIONS



**SPLIT BOX CULVERT BLOCKOUT DETAIL**  
NOT TO SCALE



**SPLIT BOX CULVERT LAYOUT DETAIL**  
NOT TO SCALE

**Lewis County**  
Department of Public Works  
2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY : DJC  
DRAWN BY : J. PIPER  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
SPLIT BOX CULVERT DETAILS

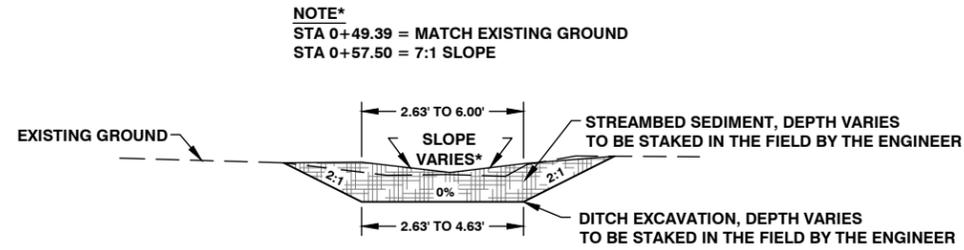
SHEET  
**59**  
OF  
**65**



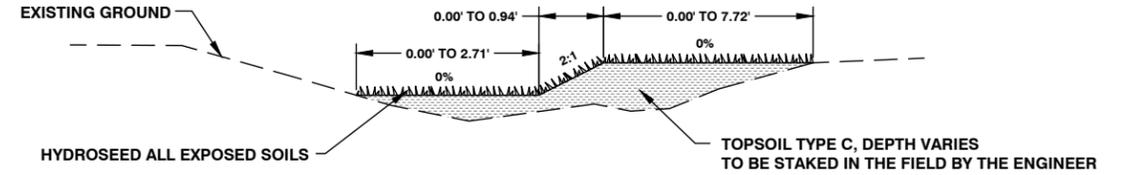
Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



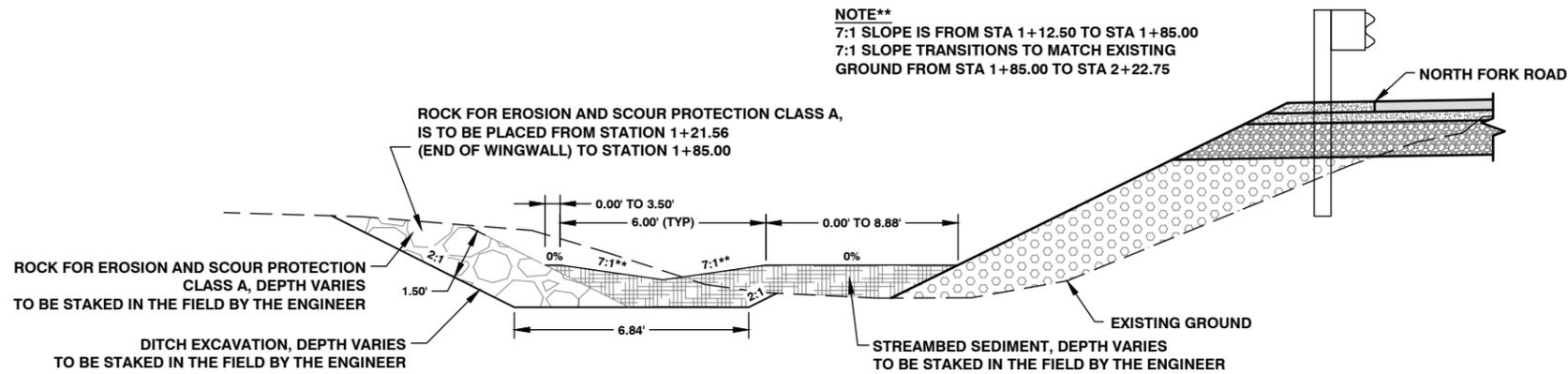
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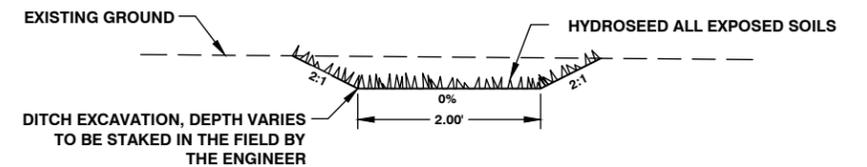
**INLET DITCH DETAIL**  
 STATION 0+49.39 TO STATION 0+57.50 (BOX CULVERT ALIGNMENT)  
 NOT TO SCALE



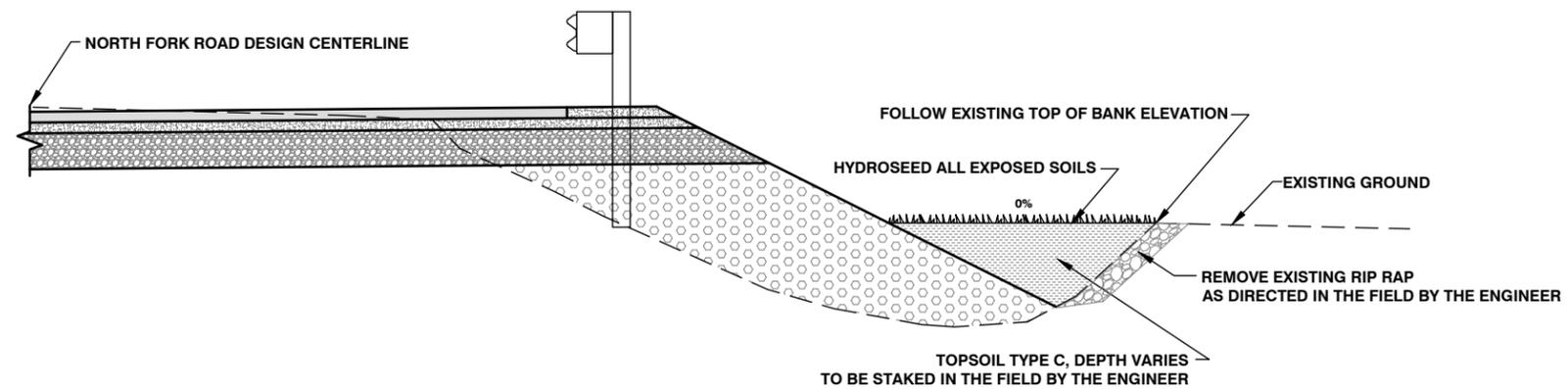
**NORTH FLAT BOTTOM DITCH DETAIL A**  
 STATION 0+02.00 TO STATION 0+20.00 (NORTH FLAT BOTTOM DITCH ALIGNMENT)  
 NOT TO SCALE



**OUTLET DITCH DETAIL**  
 STATION 1+12.50 TO STATION 2+22.75 (BOX CULVERT ALIGNMENT)  
 NOT TO SCALE



**NORTH FLAT BOTTOM DITCH DETAIL B**  
 STATION 0+20.00 TO STATION 0+47.46 (NORTH FLAT BOTTOM DITCH ALIGNMENT)  
 NOT TO SCALE



**OLD STREAMBED DITCH FILL DETAIL**  
 STATION 64+83.07 RIGHT TO STATION 65+16.26 RIGHT (NORTH FORK ALIGNMENT)  
 NOT TO SCALE

**Lewis County**  
 Department of Public Works

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 FAX # (360) 740-2719

DESIGNED BY : DJC  
 DRAWN BY : CGA  
 CHECKED BY :  
 DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158

SPLIT BOX CULVERT DETAILS

SHEET  
**60**  
 OF  
**65**

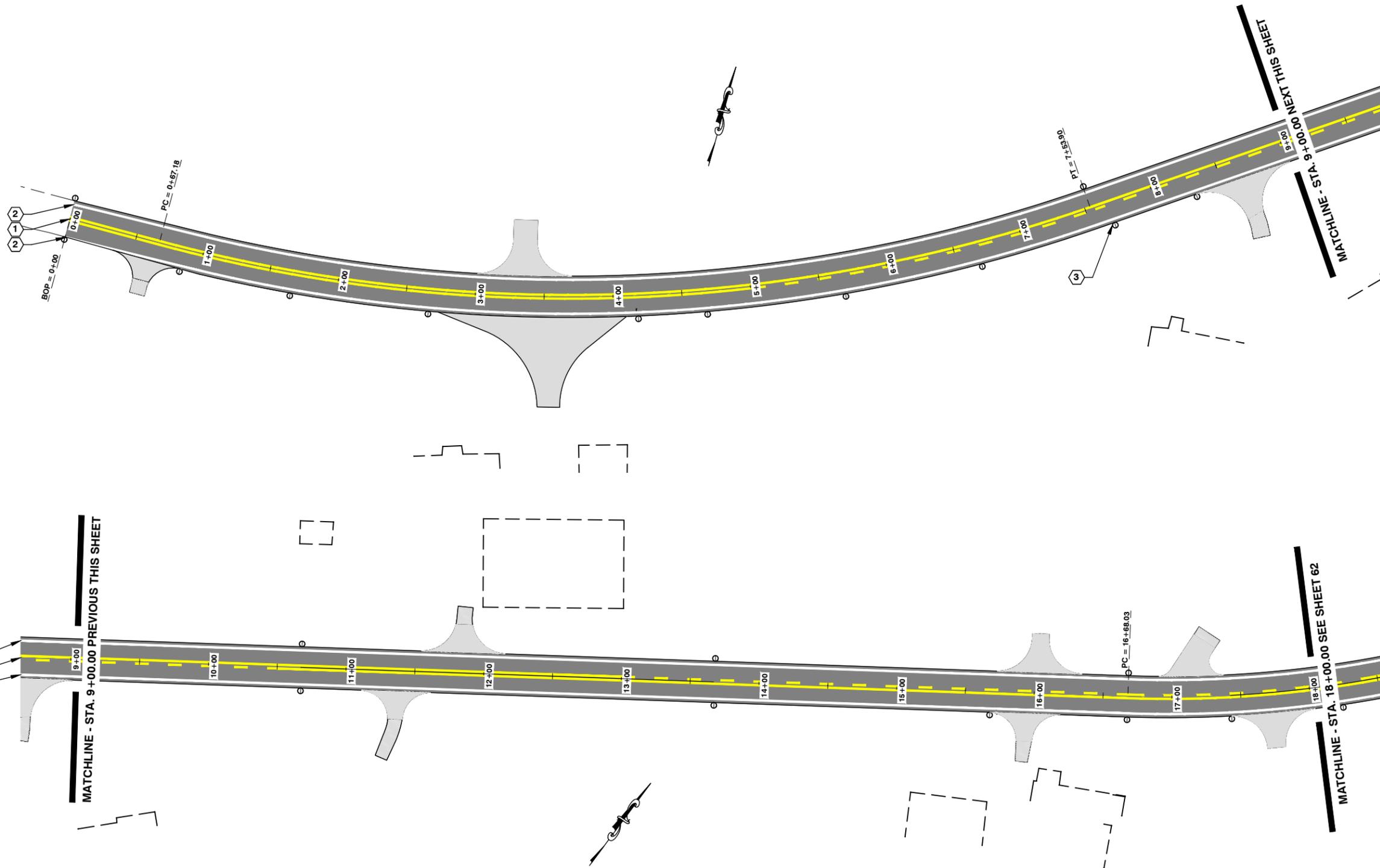


Donald J. Carney, P.E.  
 Senior Engineer/Design

Date: 4-11-19



EXPIRES 5-23-19

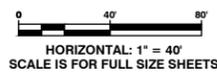


**CONSTRUCTION NOTES**

- ① YELLOW CENTER LINE PER WSDOT STD PLAN M-20.10-02  
7079 L.F. TOTAL FOR PROJECT INTERMITTENT  
AS STAKED BY THE ENGINEER
- ② EDGE LINE WHITE PER WSDOT STD PLAN M-20.10-02  
14,158 L.F. TOTAL FOR PROJECT  
AS STAKED BY THE ENGINEER
- ③ PLACE FLEXIBLE GUIDEPOSTS PER WSDOT STD PLAN M-40.30-01 AND M-40.40-01  
96 TOTAL FOR PROJECT  
AS STAKED BY THE ENGINEER

**LEGEND**

- DOUBLE YELLOW CENTER LINE
- EDGE LINE WHITE
- CENTER LINE & PASS LINE YELLOW
- FLEXIBLE GUIDEPOSTS
- SIGN



**Lewis County**  
Department of Public Works

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CHEHALIS WA 98532  
PHONE # (360) 740-1123  
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DESIGNED BY : DJC  
DRAWN BY : KLC  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

STRIPING PLAN  
STA. 0+00.00 TO STA. 18+00.00

SHEET  
**61**  
OF  
**65**

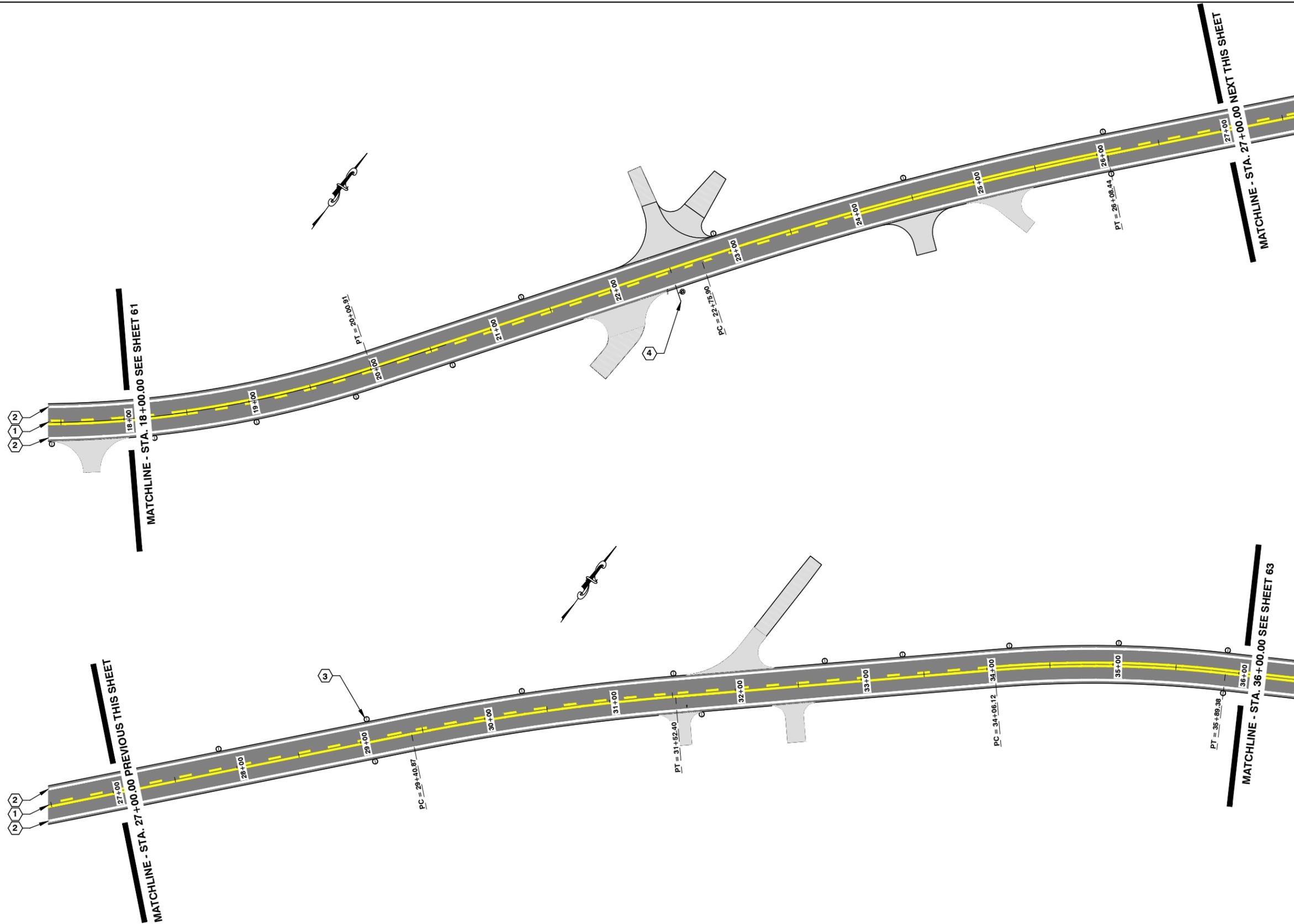


Donald J. Carney, P.E.  
Senior Engineer/Design

*Donald J. Carney*  
Date: 4-11-19



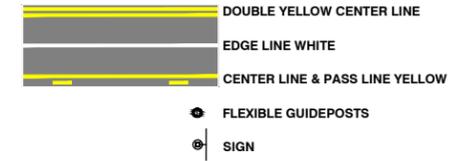
EXPIRES 5-23-19



**CONSTRUCTION NOTES**

- ① YELLOW CENTER LINE PER WSDOT STD PLAN M-20.10-02  
7079 L.F. TOTAL FOR PROJECT INTERMITTENT  
AS STAKED BY THE ENGINEER
- ② EDGE LINE WHITE PER WSDOT STD PLAN M-20.10-02  
14,158 L.F. TOTAL FOR PROJECT  
AS STAKED BY THE ENGINEER
- ③ PLACE FLEXIBLE GUIDEPOSTS PER WSDOT STD PLAN M-40.30-01 AND M-40.40-09  
96 TOTAL FOR PROJECT  
AS STAKED BY THE ENGINEER
- ④ STA 22+50.00 RT PLACE PRIVATE ROAD SIGN  
(SEE PRIVATE ROAD SIGN DETAILS ON THIS SHEET)  
USE STEEL SIGN SUPPORT PER WSDOT PLAN G-24.50-04  
USE 2 1/2" POST WITH 2 1/4" INSERT  
SEE WSDOT STANDARD PLAN G-20.10-02 FOR PLACEMENT

**LEGEND**



LENGTH VARIES

**Harris Ln Pvt Rd**

4" CLEARVIEWHWY 1 SERIES LETTERING  
2" CLEARVIEWHWY 1 SERIES LETTERING  
1 1/4" RADIUS

**4" CLEAR SPACE ON APPLICABLE  
END FOR BOLTING TO POST.**

**REQUIREMENTS:**

- ROAD NAME SIGN MUST HAVE A RETROREFLECTIVE WHITE BACKGROUND WITH BLACK LETTERING ON BOTH SIDES OF THE SIGN PLATE.
- MIXED-CASE LETTERING CONSISTS OF AN INITIAL UPPER-CASE LETTER FOLLOWED BY LOWER-CASE LETTERS.
- SIGN PLATE MUST BE 0.80" THICK ALUMINUM FOR SIGNS UP TO 40 INCHES IN LENGTH, AND .125" THICK ALUMINUM FOR SIGNS 40-50 INCHES IN LENGTH.
- MAXIMUM SIGN LENGTH IS 50 INCHES.

**PRIVATE ROAD SIGN DETAILS**



2025 N. E. KRESKY AVE.  
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CHECKED BY :  
DATE :

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**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158

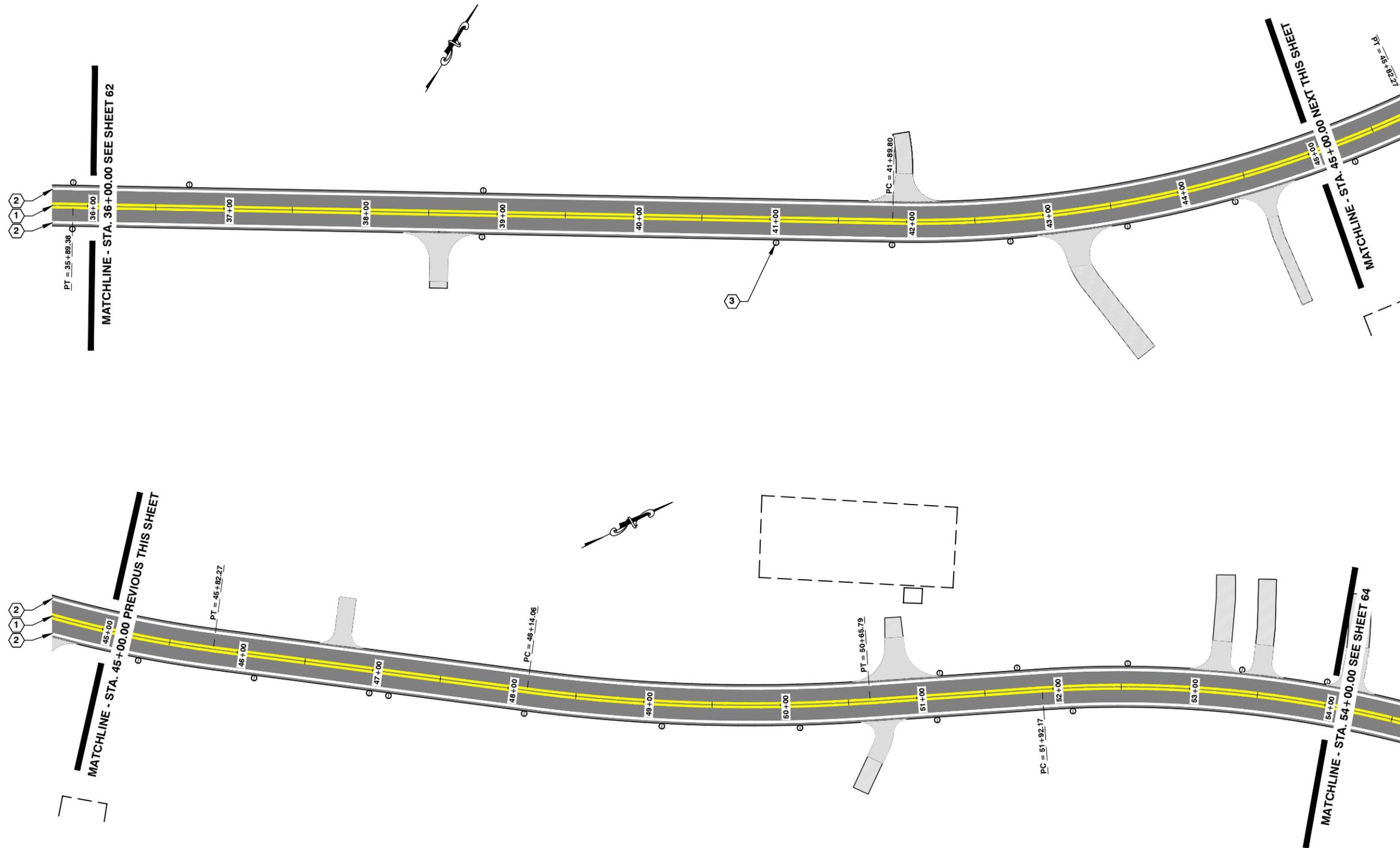
STRIPING PLAN  
STA. 18+00.00 TO STA. 36+00.00

SHEET  
**62**  
OF  
**65**

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

Donald J. Carney, P.E.  
Senior Engineer/Design

Date: 4-11-19



- ① YELLOW CENTER LINE PER WSDOT STD PLAN M-20.10-02  
7079 L.F. TOTAL FOR PROJECT INTERMITTENT  
AS STAKED BY THE ENGINEER
- ② EDGE LINE WHITE PER WSDOT STD PLAN M-20.10-02  
14,158 L.F. TOTAL FOR PROJECT  
AS STAKED BY THE ENGINEER
- ③ PLACE FLEXIBLE GUIDEPOSTS PER WSDOT STD PLAN M-40.30-01 AND M-40.40-01  
96 TOTAL FOR PROJECT  
AS STAKED BY THE ENGINEER

**LEGEND**

- DOUBLE YELLOW CENTER LINE
- EDGE LINE WHITE
- CENTER LINE & PASS LINE YELLOW
- FLEXIBLE GUIDEPOSTS
- SIGN

0 40 80  
HORIZONTAL: 1" = 40'  
SCALE IS FOR FULL SIZE SHEETS

2025 N. E. KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
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DESIGNED BY : DJC  
DRAWN BY : KLC  
CHECKED BY :  
DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

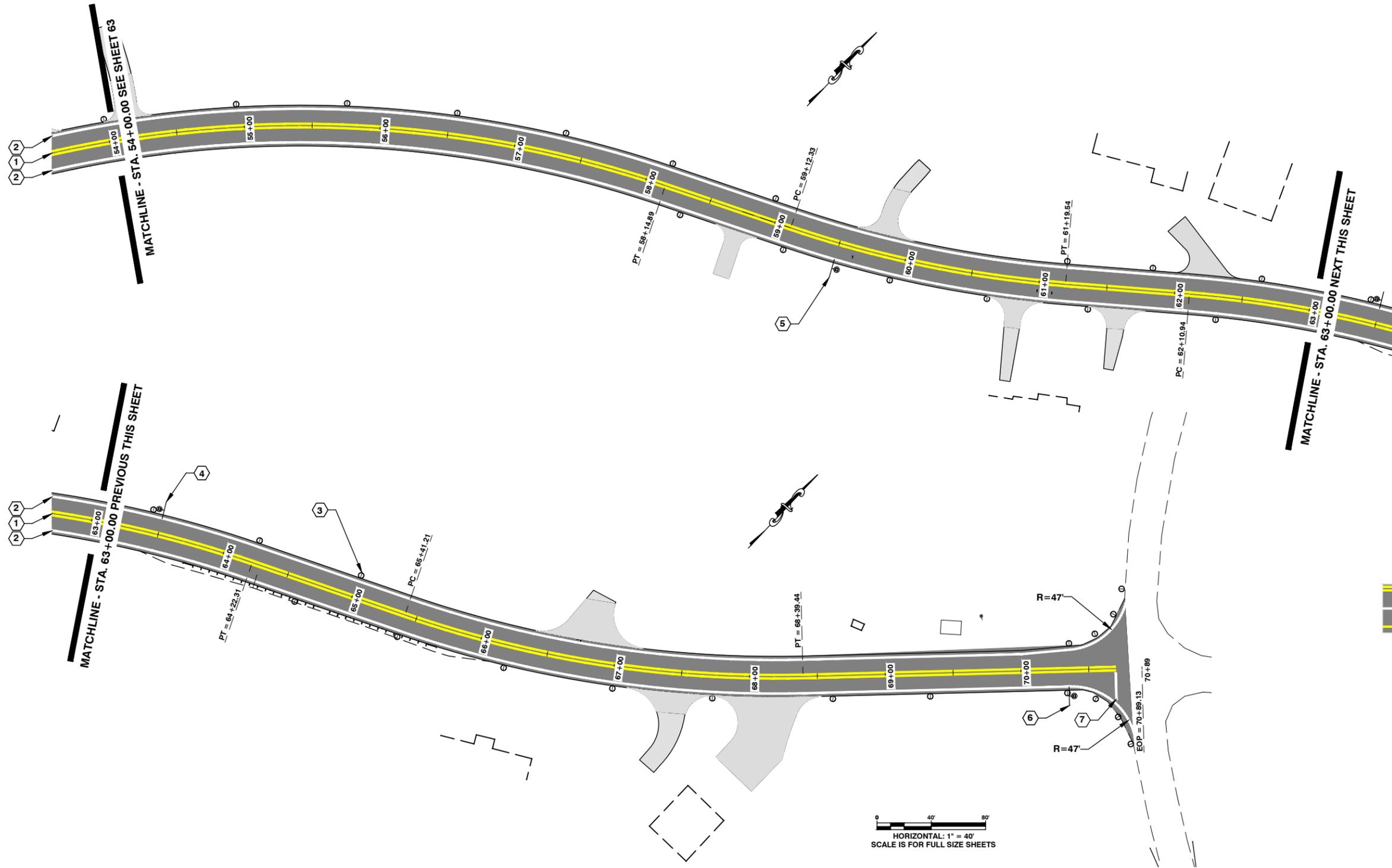
RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
STRIPING PLAN  
STA. 36+00.00 TO STA. 54+00.00

SHEET  
**63**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



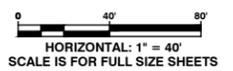


**CONSTRUCTION NOTES**

- ① YELLOW CENTER LINE PER WSDOT STD PLAN M-20.10-02  
7079 L.F. TOTAL FOR PROJECT INTERMITTENT  
AS STAKED BY THE ENGINEER
- ② EDGE LINE WHITE PER WSDOT STD PLAN M-20.10-02  
14,158 L.F. TOTAL FOR PROJECT  
AS STAKED BY THE ENGINEER
- ③ PLACE FLEXIBLE GUIDEPOSTS PER WSDOT STD PLAN M-40.30-01 AND M-40.40-02  
96 TOTAL FOR PROJECT  
AS STAKED BY THE ENGINEER
- ④ STA 63+50.00 LT PLACE SPEED LIMIT SIGN R2-1 PER WSDOT SIGN MANUAL  
USE STEEL SIGN SUPPORT PER WSDOT PLAN G-24.50-04  
USE 2 1/2" POST WITH 2 1/4" INSERT  
SEE WSDOT STANDARD PLAN G-20.10-02 FOR PLACEMENT
- ⑤ STA 64+50.00 RT PLACE STOP AHEAD SIGN W3-1 PER WSDOT SIGN MANUAL  
USE STEEL SIGN SUPPORT PER WSDOT PLAN G-24.50-04  
USE 2 1/2" POST WITH 2 1/4" INSERT  
SEE WSDOT STANDARD PLAN G-20.10-02 FOR PLACEMENT
- ⑥ STA 70+35.00 RT PLACE STOP SIGN R1-1 36"  
USE STEEL SIGN SUPPORT PER WSDOT PLAN G-24.50-04  
USE 2 1/2" POST WITH 2 1/4" INSERT  
SEE WSDOT STANDARD PLAN G-20.10-02 FOR PLACEMENT
- ⑦ STA 70+69.32 PLACE STOP LINE PER WSDOT STD PLAN M-24.60-04  
20 L.F. (USE THERMO PLASTIC)

**LEGEND**

- DOUBLE YELLOW CENTER LINE
- EDGE LINE WHITE
- CENTER LINE & PASS LINE YELLOW
- FLEXIBLE GUIDEPOSTS
- SIGN



**Lewis County**  
 Department of Public Works  
 2025 N. E. KRESKY AVE.  
 CHEHALIS WA 98532  
 PHONE # (360) 740-1123  
 FAX # (360) 740-2719

DESIGNED BY : DJC  
 DRAWN BY : KLC  
 CHECKED BY :  
 DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
 REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
 COUNTY ROAD PROJECT NO: 2158  
 STRIPING PLAN  
 STA. 54+00.00 TO STA. 70+89.13

SHEET  
**64**  
 OF  
**65**



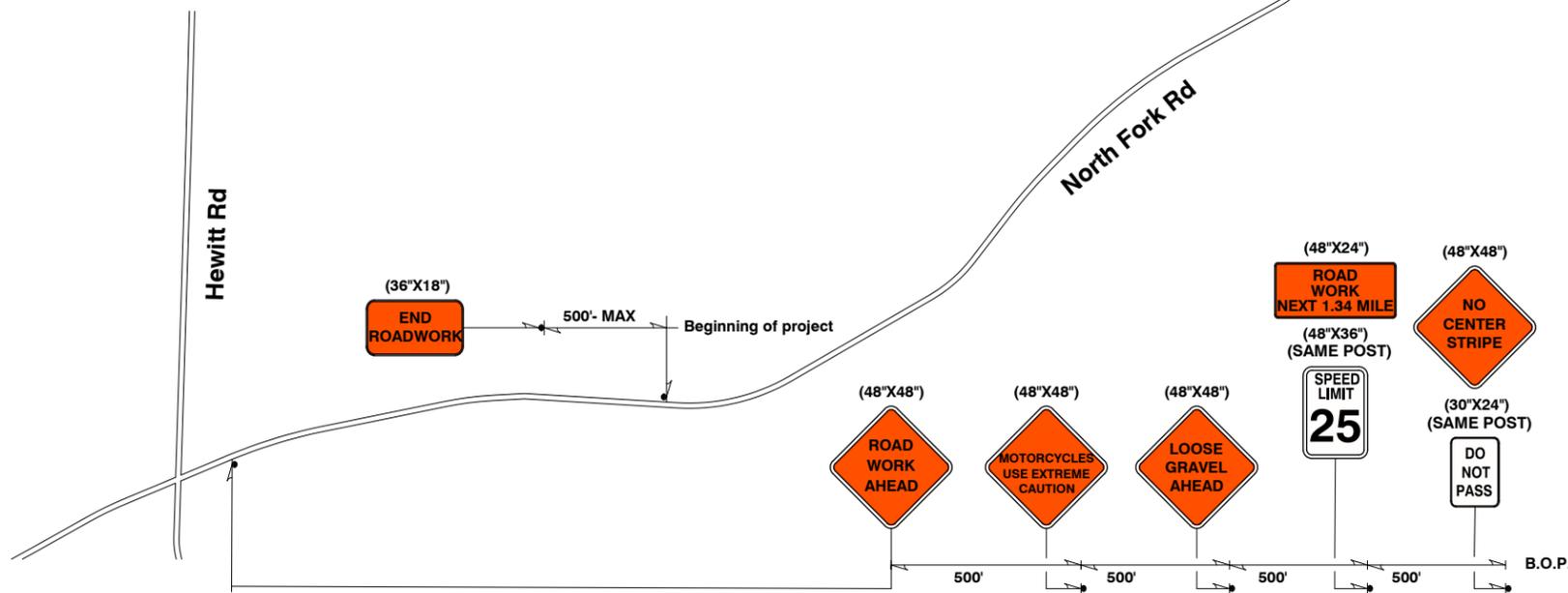
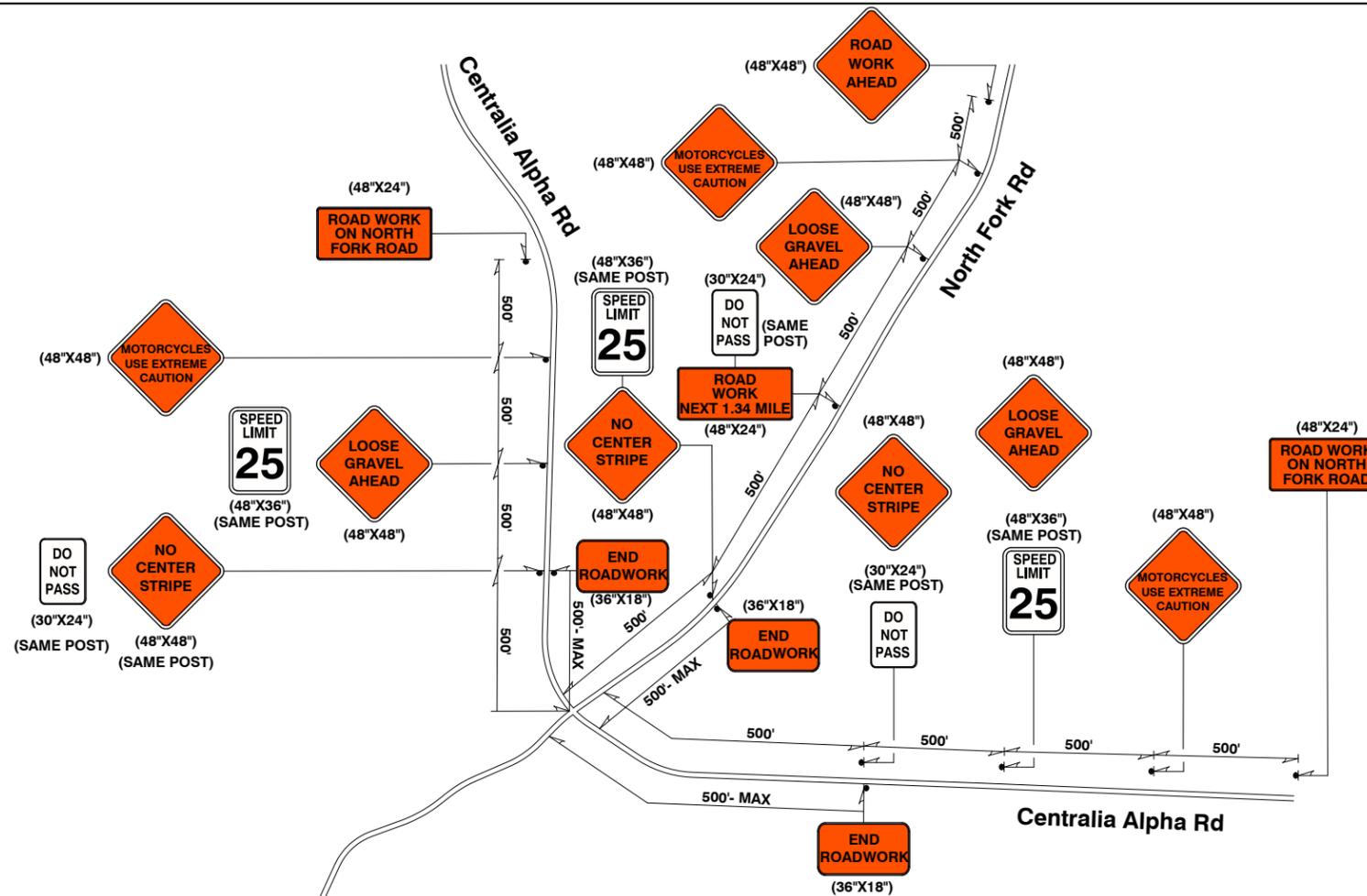
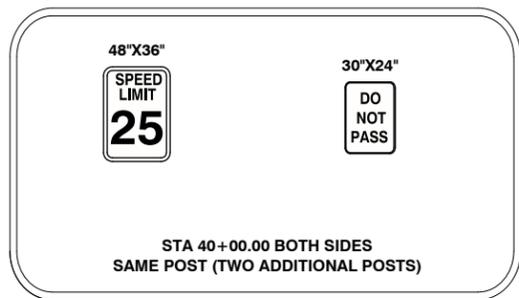
Donald J. Carney, P.E.  
 Senior Engineer/Design  
 Date: 4-11-19



EXPIRES 5-23-19

S:\Engineer\Road Folders\NORTH FORK RD - 46000\North Fork Rd Realignment MP 2.70-4.05\_CRP 2158\Drawings\mf\NORTH FORK 2018\DETAILS\Typical Section.dwg 4/15/2019 1:32 PM

THIS DRAWING IS ACCURATE FOR TRAFFIC CONTROL PURPOSES ONLY.



**NOTES**

ALL SIGNS ARE TO BE BLACK ON ORANGE UNLESS OTHERWISE NOTED.

SIGN LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

TEMPORARY TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL 48 HOURS BEFORE IMPLEMENTATION AND SHALL USE THE WSDOT WORK ZONE TRAFFIC CONTROL GUIDELINES FOR MAINTENANCE OPERATIONS FOR GUIDANCE.

ALL SPEED LIMIT AND DO NOT PASS SIGNS SHALL BE BLACK ON WHITE.

**LEGEND**

- CONSTRUCTION SIGN CLASS A

2025 NE KRESKY AVE.  
CHEHALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY : J. PIPER	NO.	DATE	REVISION	BY	APP.
DRAWN BY : KLC					
CHECKED BY :					
DATE :					

**NORTH FORK ROAD REALIGNMENT PROJECT**

RAP PROJECT NO: 2113-01  
COUNTY ROAD PROJECT NO: 2158  
TRAFFIC CONTROL PLANS

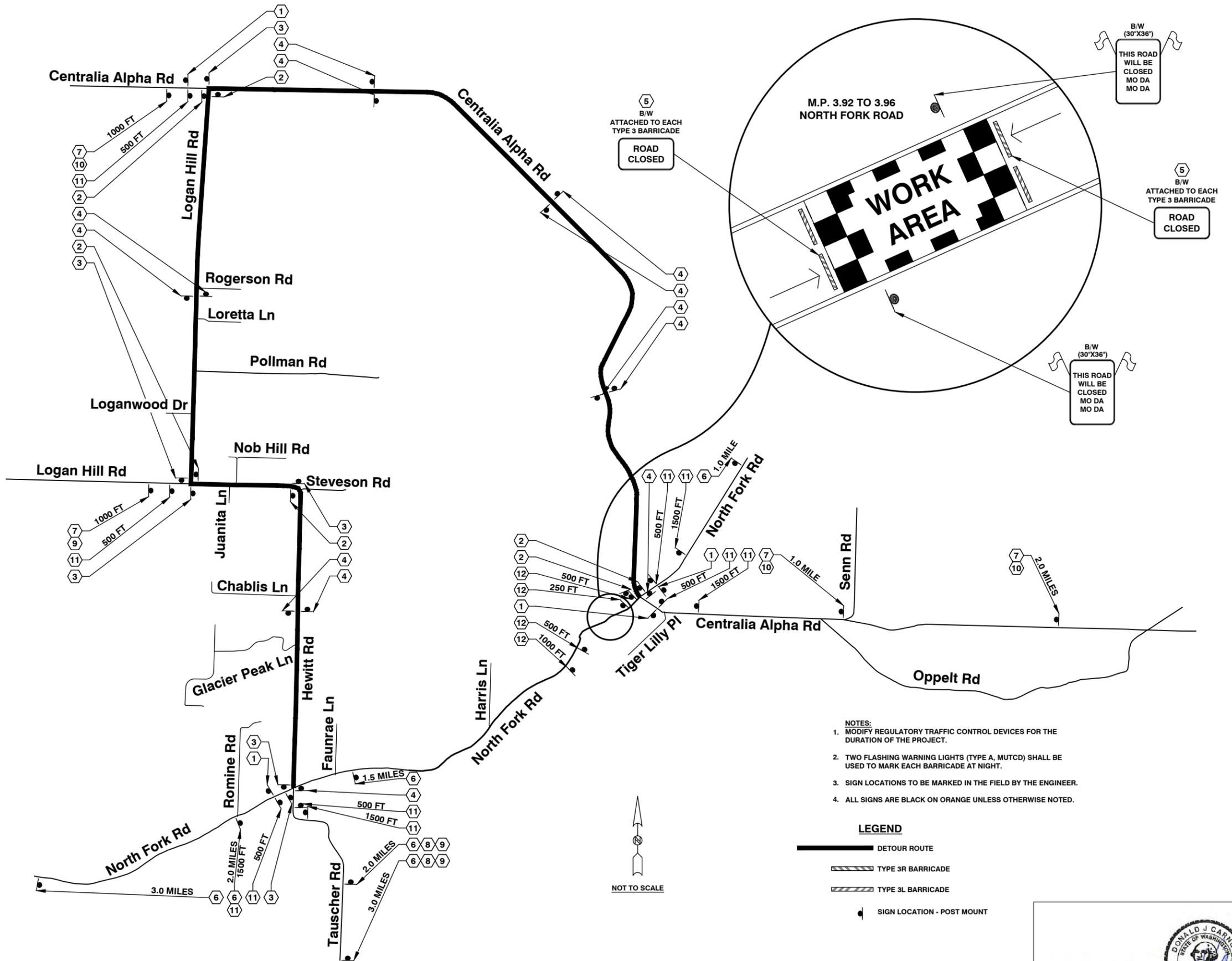
SHEET  
**65**  
OF  
**65**



Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19

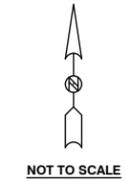


- ① (24"x18")  
END  
DETOUR
- ② (30"x24")  
DETOUR  
→
- ③ (30"x24")  
DETOUR  
←
- ④ (30"x24")  
DETOUR  
↑
- ⑤ B/W  
(48"x30")  
ATTACHED TO TYPE 3 BARRICADE (TYP.)  
**ROAD  
CLOSED**
- ⑥ B/W  
(60"x30")  
ROAD CLOSED  
X MILES AHEAD  
LOCAL TRAFFIC ONLY
- ⑦ B/W  
(60"x30")  
NORTH FORK  
ROAD CLOSED AT  
CENTRALIA  
ALPHA ROAD
- ⑧ W/G  
(60"x6")  
NORTH FORK ROAD
- ⑨ B/W  
(24"x12")  
EAST
- ⑩ B/W  
(24"x12")  
WEST
- (48"x48")  
DISTANCES SPECIFIED ALONG LEADER LINE
- ⑪ DETOUR  
AHEAD  
XXXX FT
- (48"x48")  
DISTANCE SPECIFIED ALONG LEADER LINE
- ⑫ ROAD  
CLOSED  
XXXX FT



- NOTES:**
1. MODIFY REGULATORY TRAFFIC CONTROL DEVICES FOR THE DURATION OF THE PROJECT.
  2. TWO FLASHING WARNING LIGHTS (TYPE A, MUTCD) SHALL BE USED TO MARK EACH BARRICADE AT NIGHT.
  3. SIGN LOCATIONS TO BE MARKED IN THE FIELD BY THE ENGINEER.
  4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.

- LEGEND**
- DETOUR ROUTE
  - ▨ TYPE 3R BARRICADE
  - ▨ TYPE 3L BARRICADE
  - SIGN LOCATION - POST MOUNT



**Lewis County**  
Department of Public Works  
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DESIGNED BY : DJC  
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DATE :

NO.	DATE	REVISION	BY	APP.

**NORTH FORK ROAD  
REALIGNMENT PROJECT**

RAP PROJECT NO:  
COUNTY ROAD PROJECT NO: 2158  
DETOUR ROUTE

SHEET  
**D1**  
OF  
**D1**



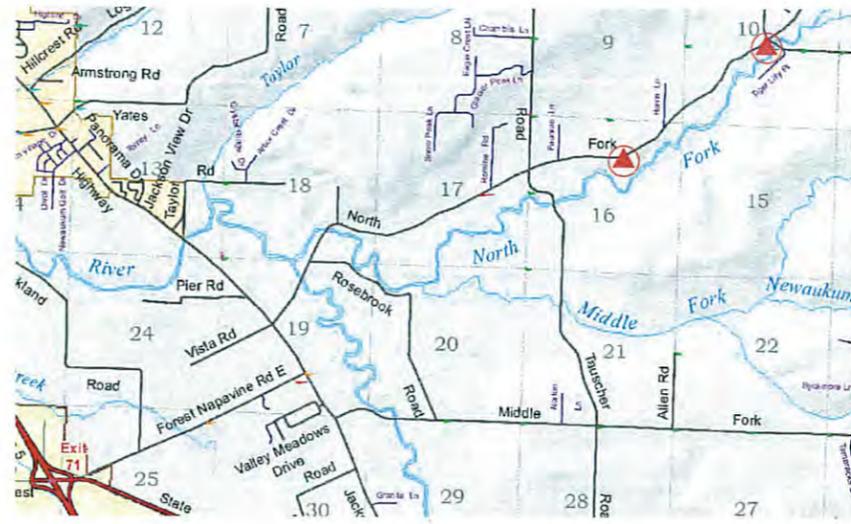
Donald J. Carney, P.E.  
Senior Engineer/Design  
Date: 4-11-19



TWP. 13N. RGE. 1W. W.M.

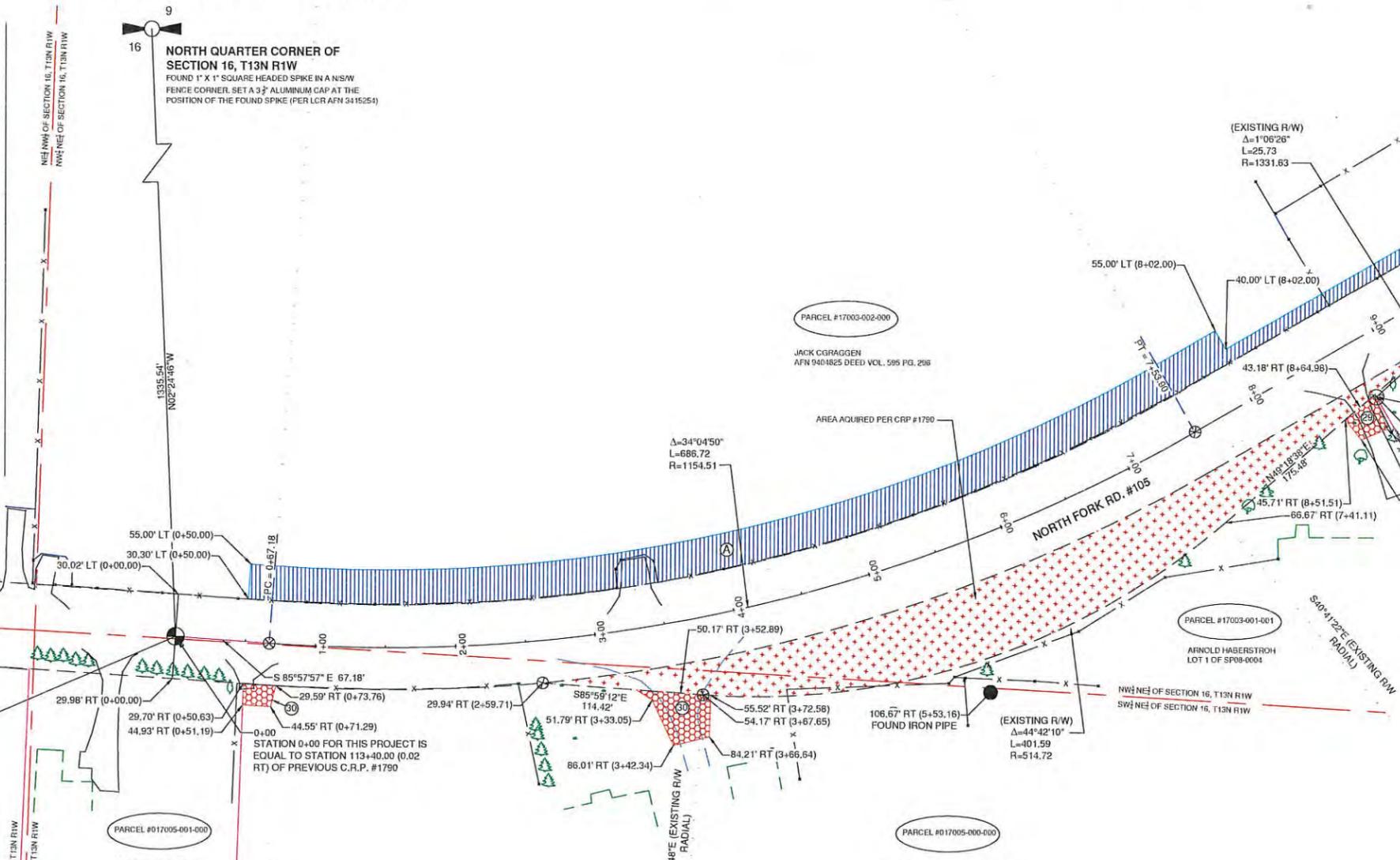
LAND LINES ARE APPROXIMATE

VICINITY MAP



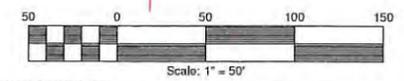
9  
16  
NORTH QUARTER CORNER OF SECTION 16, T13N R1W  
FOUND 1" X 1" SQUARE HEADED SPIKE IN A N/S/W  
FENCE CORNER, SET A 3/2" ALUMINUM CAP AT THE  
POSITION OF THE FOUND SPIKE (PER LCR AFN 3415254)

WEST QUARTER CORNER OF SECTION 16, T13N R1W  
FOUND 1 1/2" IRON PIPE, SET A 3/2" ALUMINUM CAP AT THE  
POSITION OF THE FOUND IRON PIPE (PER LCR AFN 3398975)



RIGHT OF WAY MAP LEGEND

	EXISTING ROW		FENCE LINE
	REQUIRED ROW		SECTION TIE
	EXISTING CENTERLINE		PROPERTY LINE
	PROPOSED RIGHT OF WAY ACQUISITION		RADIUS POINT LINES
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT		QUARTER AND SIXTEENTH SECTION LINE
	PROPOSED ROADWAY EASEMENT		SECTION LINE
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR DRIVEWAYS		PROJECT AREA
	SECTION CORNER		PURCHASE AREAS OR EASEMENTS
	QUARTER CORNER		CONIFER TREE
	CENTER QUARTER CORNER		FRUIT TREE
	SET 3 1/2" LEWIS COUNTY ALUM. CAP WITH ROAD STATION		SHRUB
	FOUND 2" LEWIS COUNTY BRASS CAP (PER CRP 2011)		OWNERSHIP TIE OR NOT TO SCALE FLYTIE
	FOUND IRON PIPE AS NOTED		AREA COUNTY HAS NOT RELINQUISHED CLAIM OF PREVIOUS ALIGNMENT (TRACING 12-709 DATED 8-19-12) AND CURRENT 33' R/W THROUGH STATIONS 54+00-57+00+/-
	FOUND REBAR AS NOTED		
	CALCULATED POSITION		



BASE OF BEARINGS:  
BEARINGS ARE BASED ON NAD 83/91 (WASHINGTON STATE PLANE GRID, SOUTH ZONE)  
LC GPS POINTS ALPHA 1002 AND NORTH FORK WERE USED FOR THE BASE CONTROL (S  
60°17'49" W FROM ALPHA 1002 TO NORTH FORK). HORIZONTAL CONTROL WAS DERIVED  
FROM RTK METHOD FOR PROJECT AND SECTION CORNER CONTROL.  
DISTANCES SHOWN ON THIS MAP HAVE BEEN SCALED TO GROUND BY A COMBINED  
SCALE FACTOR OF 1.000097916

FOR INSERTING GEO REFERENCE DATA, TRANSLATE N65°45'25" E-114.12' (CONTROL  
POINT #1043 N-478.612, 08 E-1, 022, 620.34) TO MATCH OUR GROUND DATA.

THE NOTED STATIONS ARE REFERENCING THE DESIGN AND PROPOSED R/W CENTERLINE.

NORTH FORK ROAD (#105) STIPULATES THE ROAD TO BE 2 RODES (33') IN WIDTH IN  
PORTIONS UNALTERED FROM THE ORIGINAL ESTABLISHMENT.

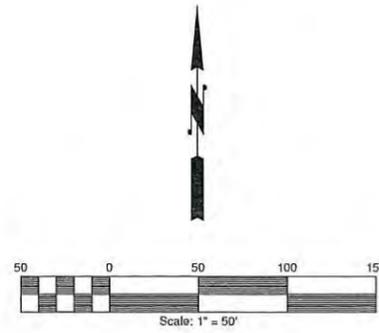
NOTE: GIS ACREAGES ARE APPROXIMATE. PROPERTY LINES ARE APPROXIMATE

PROPOSED RIGHT OF WAY ACQUISITION						
PARCEL NUMBER	PROPERTY OWNER	ASSESSORS PARCEL BEFORE ACQUISITION	R/W ACQUISITION AREA	PERMANENT EASEMENT	TEMP. CONST. EASEMENT	ASSESSORS PARCEL AFTER ACQUISITION
016911-000-000 017003-002-000	JACK CRAGGEN	114.99 ACRES	(A) 0.51 ACRES		(1) 0.04 ACRES	114.48 ACRES
017005-000-000	DANIEL AND STEVEN GRACE				(B) 0.04 ACRES	



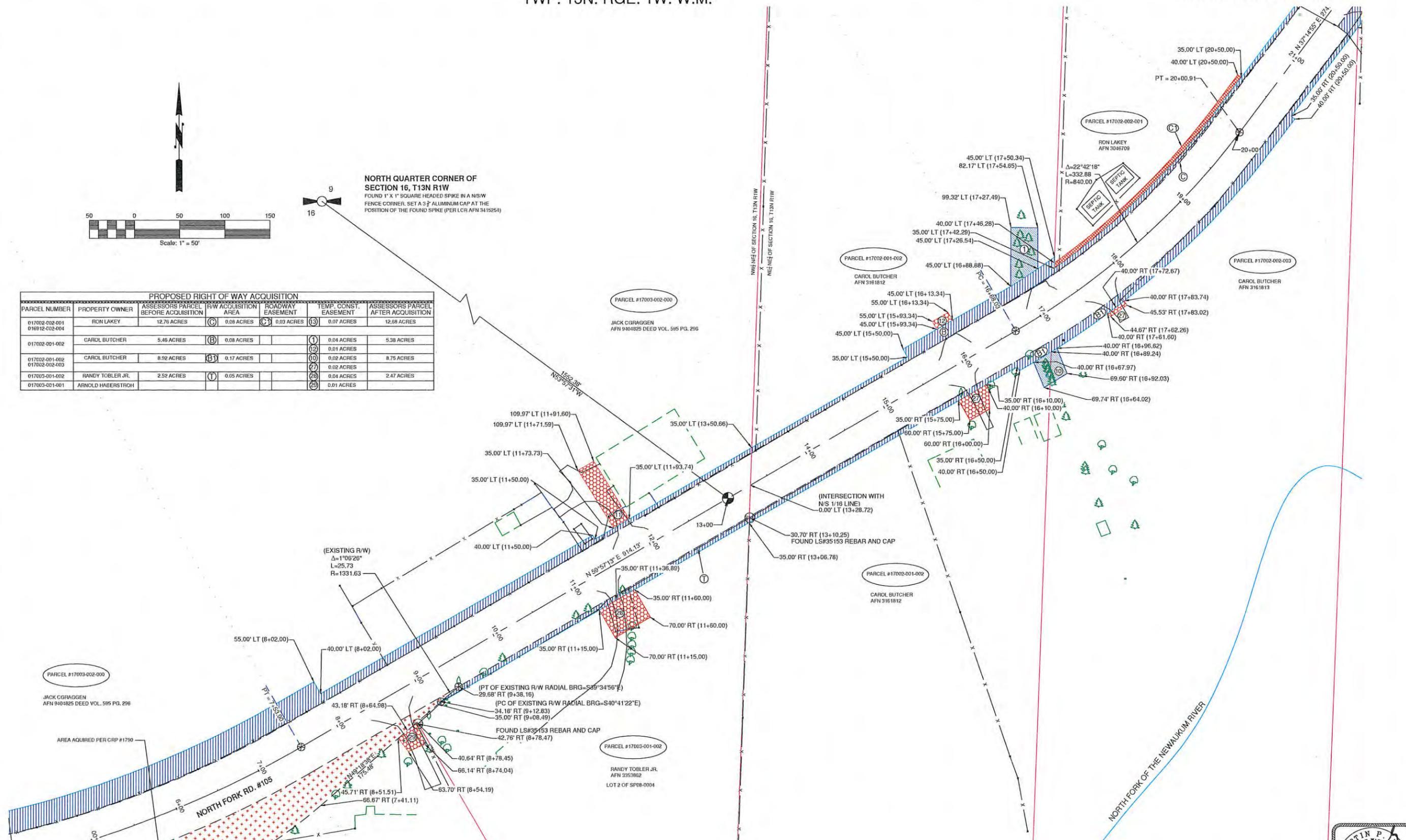
TWP. 13N. RGE. 1W. W.M.

LAND LINES ARE APPROXIMATE



**NORTH QUARTER CORNER OF SECTION 16, T13N R1W**  
 FOUND 1" X 1" SQUARE HEADED SPIKE IN A N/S/W FENCE CORNER, SET A 3/4" ALUMINUM CAP AT THE POSITION OF THE FOUND SPIKE (PER LCR AFN 3415254)

PROPOSED RIGHT OF WAY ACQUISITION						
PARCEL NUMBER	PROPERTY OWNER	ASSESSORS PARCEL BEFORE ACQUISITION AREA	R/W ACQUISITION AREA	ROADWAY EASEMENT	TEMP. CONST. EASEMENT	ASSESSORS PARCEL AFTER ACQUISITION
017002-002-001 016912-002-004	RON LAKEY	12.76 ACRES	(C) 0.08 ACRES	(C) 0.03 ACRES	(3) 0.07 ACRES	12.98 ACRES
017002-001-002	CAROL BUTCHER	5.48 ACRES	(B) 0.08 ACRES		(1) 0.04 ACRES	5.38 ACRES
017002-001-002 017002-002-003	CAROL BUTCHER	8.92 ACRES	(B) 0.17 ACRES		(10) 0.02 ACRES	8.75 ACRES
017003-001-002	RANDY TOBLER JR.	2.52 ACRES	(T) 0.05 ACRES		(25) 0.04 ACRES	2.47 ACRES
017003-001-001	ARNOLD HABERSTROH				(29) 0.01 ACRES	



**Lewis County**  
 Department of Public Works  
 2025 NE KRESKY AVE.  
 CHEHALIS WA 98532  
 PHONE # (360) 740-1123  
 FAX # (360) 740-2719

DESIGNED BY :  
 DRAWN BY : SL  
 CHECKED BY : MR  
 DATE : 4-11-19

RIGHT OF WAY ALIGNMENT APPROVED BY :  
 SURVEY : *[Signature]* DATE : 4/15/19  
 PROPERTY MANAGEMENT : *[Signature]* DATE : 4/15/19  
 ASSISTANT COUNTY ENGINEER : *[Signature]* DATE : 4/15/19

NO.	DATE	REVISION	BY	APP.

NORTH FORK ROAD REALIGNMENT  
 MILE POST 2.70-4.05

COUNTY ROAD PROJECT NO: 2158  
 RAP PROJECT NO: 2113-01  
 FEDERAL-AID NO: NA

RIGHT OF WAY MAP  
 STA 0+00 TO STA 70+91

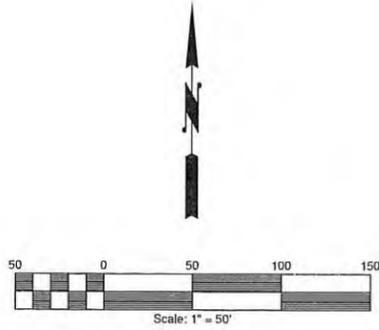
SHEET  
**R2**  
 OF  
**R7**

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

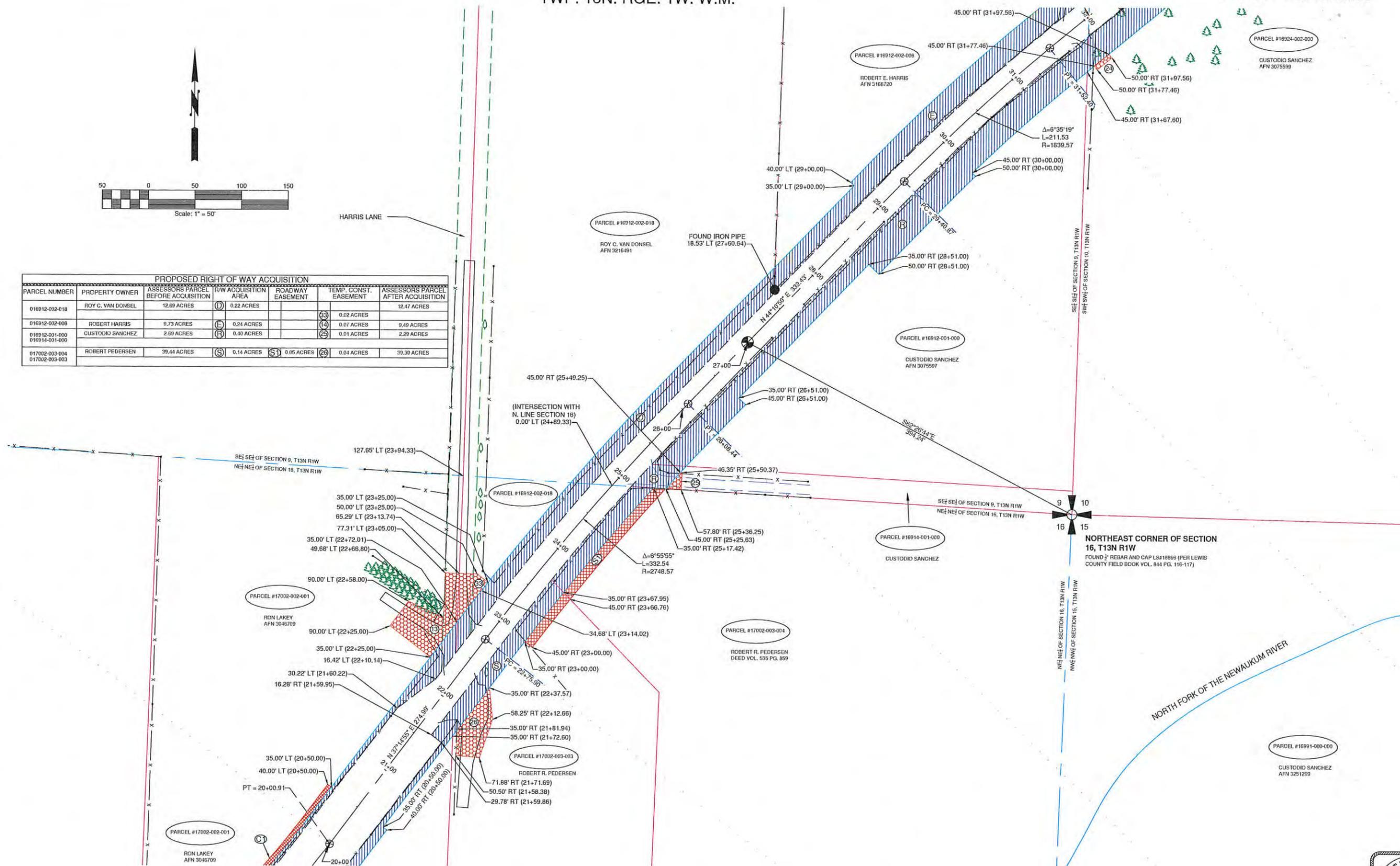


TWP. 13N. RGE. 1W. W.M.

LAND LINES ARE APPROXIMATE



PROPOSED RIGHT OF WAY ACQUISITION						
PARCEL NUMBER	PROPERTY OWNER	ASSESSORS PARCEL BEFORE ACQUISITION	R/W ACQUISITION AREA	ROADWAY EASEMENT	TEMP. CONST. EASEMENT	ASSESSORS PARCEL AFTER ACQUISITION
016912-002-018	ROY C. VAN DONSEL	12.69 ACRES	(D) 0.22 ACRES			12.47 ACRES
016912-002-006	ROBERT HARRIS	9.73 ACRES	(E) 0.24 ACRES		(3) 0.02 ACRES	9.49 ACRES
016912-001-000 016914-001-000	CUSTODIO SANCHEZ	2.99 ACRES	(R) 0.40 ACRES		(14) 0.07 ACRES	2.29 ACRES
017002-003-004 017002-003-003	ROBERT PEDERSEN	39.44 ACRES	(S) 0.14 ACRES (S1) 0.05 ACRES	(26) 0.04 ACRES	(25) 0.01 ACRES	39.30 ACRES



**Lewis County**  
 Department of Public Works  
 2025 NE KRESKY AVE.  
 CHEHALIS WA 98532  
 PHONE # (360) 740-1123  
 FAX # (360) 740-2719

DESIGNED BY :  
 DRAWN BY : SL  
 CHECKED BY : MR  
 DATE : 4-11-19

RIGHT OF WAY ALIGNMENT APPROVED BY :  
 SURVEY :  
 PROPERTY MANAGEMENT :  
 ASSISTANT COUNTY ENGINEER :  
 DATE : 4/15/17  
 DATE : 4/15/17  
 DATE : 4/15/19

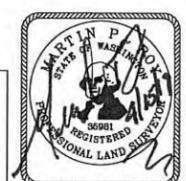
NO.	DATE	REVISION	BY	APP.

NORTH FORK ROAD REALIGNMENT  
 MILE POST 2.70-4.05

COUNTY ROAD PROJECT NO: 2158  
 RAP PROJECT NO: 2113-01  
 FEDERAL-AID NO: NA  
 RIGHT OF WAY MAP  
 STA 0+00 TO STA 70+91

SHEET  
**R3**  
 OF  
**R7**

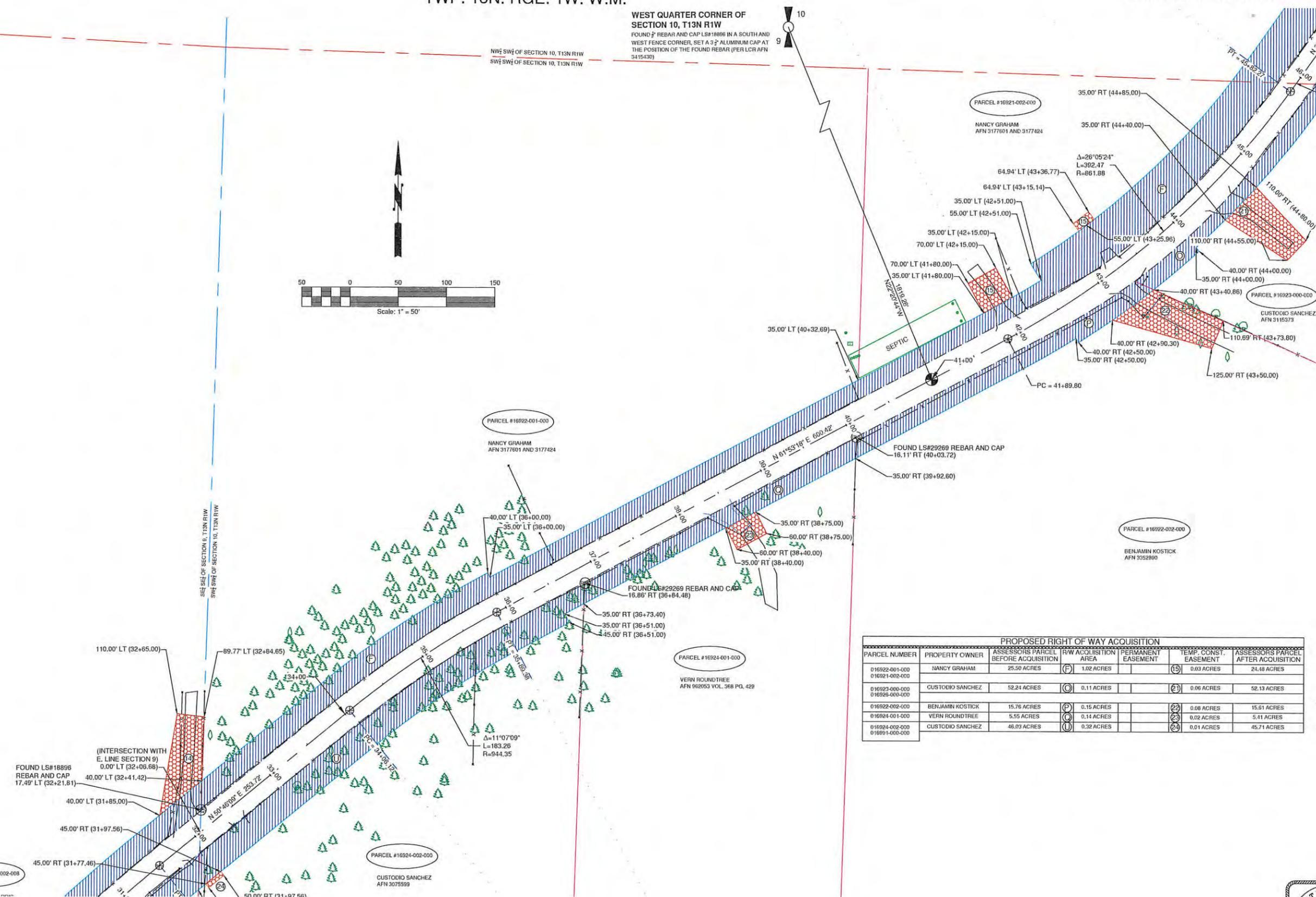
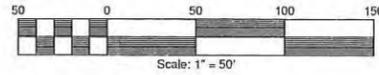
CALL 48 HOURS BEFORE YOU DIG  
 1-800-424-5555  
 "It's the Law"  
 Utilities Underground Location Center



TWP. 13N. RGE. 1W. W.M.

LAND LINES ARE APPROXIMATE

WEST QUARTER CORNER OF SECTION 10, T13N R1W  
 FOUND 3/8" REBAR AND CAP LS#18896 IN A SOUTH AND WEST FENCE CORNER, SET A 3/8" ALUMINUM CAP AT THE POSITION OF THE FOUND REBAR (PER LCR AFN 3415430)



PROPOSED RIGHT OF WAY ACQUISITION						
PARCEL NUMBER	PROPERTY OWNER	ASSESSORS PARCEL BEFORE ACQUISITION	R/W ACQUISITION AREA	PERMANENT EASEMENT	TEMP. CONST. EASEMENT	ASSESSORS PARCEL AFTER ACQUISITION
016922-001-000 016921-002-000	NANCY GRAHAM	25.50 ACRES	(F) 1.02 ACRES		(15) 0.03 ACRES	24.48 ACRES
016923-000-000 016928-000-000	CUSTODIO SANCHEZ	52.24 ACRES	(C) 0.11 ACRES		(21) 0.06 ACRES	52.13 ACRES
016922-002-000	BENJAMIN KOSTICK	15.76 ACRES	(P) 0.15 ACRES		(23) 0.08 ACRES	15.61 ACRES
016924-001-000	VERN ROUNDTREE	5.55 ACRES	(C) 0.14 ACRES		(23) 0.02 ACRES	5.41 ACRES
016924-002-000 016991-000-000	CUSTODIO SANCHEZ	46.03 ACRES	(U) 0.32 ACRES		(24) 0.01 ACRES	45.71 ACRES

**Lewis County**  
 Department of Public Works  
 2025 NE KRESKY AVE.  
 CHEHALIS WA 98532  
 PHONE # (360) 740-1123  
 FAX # (360) 740-2719

DESIGNED BY :  
 DRAWN BY : SL  
 CHECKED BY : MR  
 DATE : 4-11-19

RIGHT OF WAY ALIGNMENT APPROVED BY :  
 SURVEY :  
 PROPERTY MANAGEMENT :  
 ASSISTANT COUNTY ENGINEER :  
 DATE : 4/8/19  
 DATE : 4/15/19  
 DATE : 4/15/19

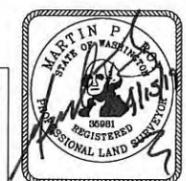
NO.	DATE	REVISION	BY	APP.

NORTH FORK ROAD REALIGNMENT  
 MILE POST 2.70-4.05

COUNTY ROAD PROJECT NO: 2158  
 RAP PROJECT NO: 2113-01  
 FEDERAL-AID NO: NA  
 RIGHT OF WAY MAP  
 STA 0+00 TO STA 70+91

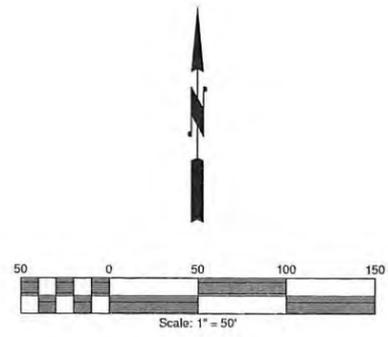
SHEET  
**R4**  
 OF  
**R7**

CALL 48 HOURS BEFORE YOU DIG  
 1-800-424-5555  
 "No One Lear"  
 Utilities Underground Location Center



TWP. 13N. RGE. 1W. W.M.

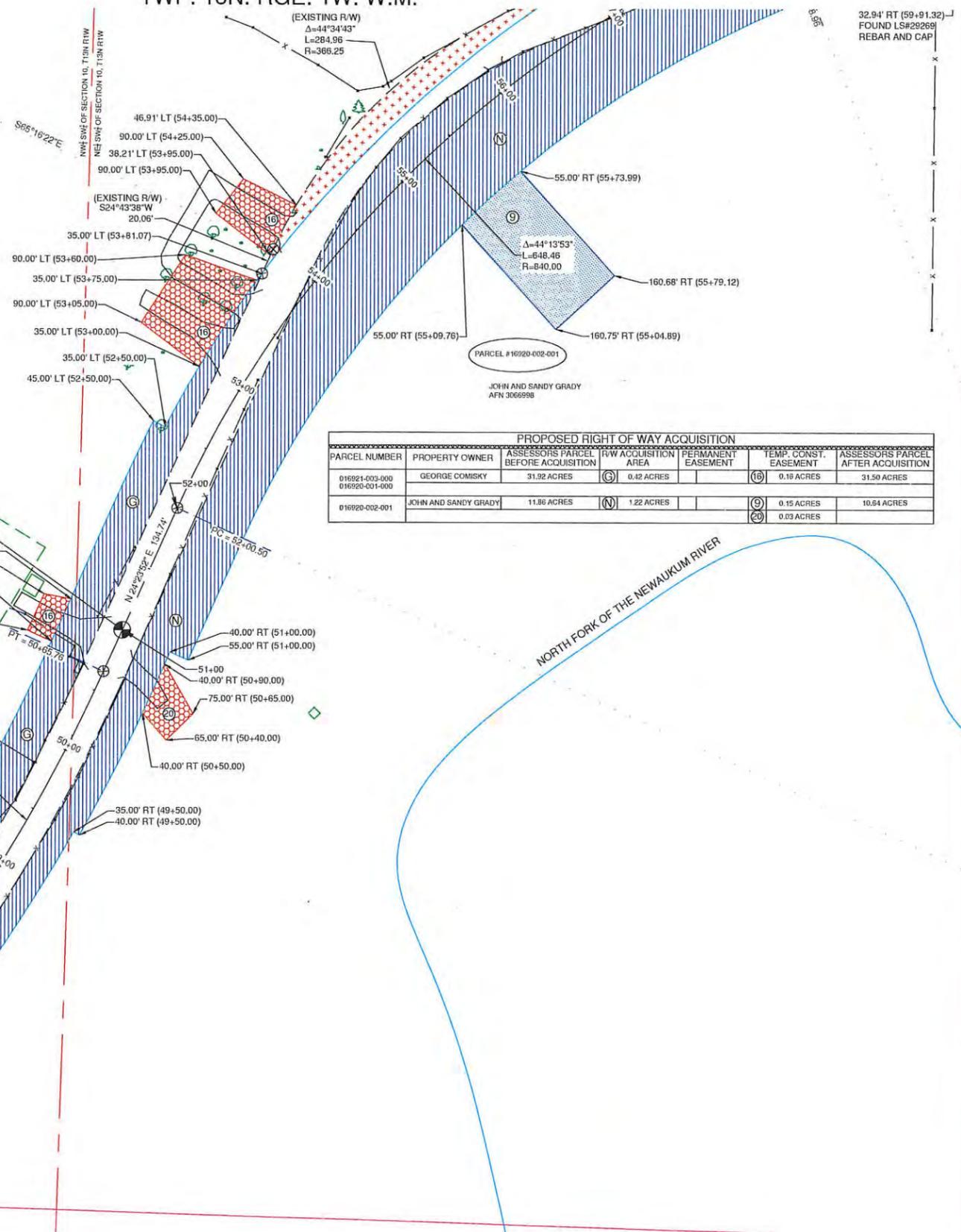
LAND LINES ARE APPROXIMATE



PARCEL #16921-003-000  
 GEORGE COMISKY  
 AFN 9514655 VOL. 670 PG. 723 AND 724

WEST QUARTER CORNER OF SECTION 10, T13N R1W  
 FOUND 1/2" REBAR AND CAP LS#18896 IN A SOUTH AND WEST FENCE CORNER. SET A 3/4" ALUMINUM CAP AT THE POSITION OF THE FOUND REBAR (PER LCR AFN 3415430)

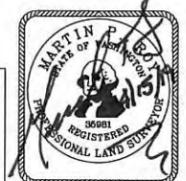
PARCEL #16921-002-000  
 NANCY GRAHAM  
 AFN 3177601 AND 3177424



PROPOSED RIGHT OF WAY ACQUISITION						
PARCEL NUMBER	PROPERTY OWNER	ASSESSORS PARCEL BEFORE ACQUISITION	R/W ACQUISITION AREA	PERMANENT EASEMENT	TEMP. CONST. EASEMENT	ASSESSORS PARCEL AFTER ACQUISITION
016921-003-000 016920-001-000	GEORGE COMISKY	31.92 ACRES	(C) 0.42 ACRES		(15) 0.18 ACRES	31.50 ACRES
016920-002-001	JOHN AND SANDY GRADY	11.86 ACRES	(N) 1.22 ACRES		(9) 0.15 ACRES (20) 0.03 ACRES	10.64 ACRES

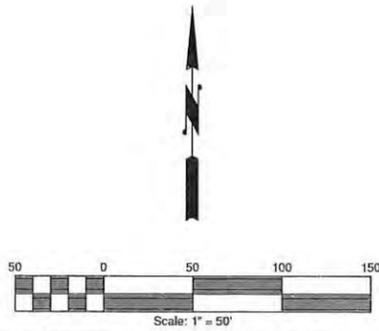
NORTH FORK OF THE NEWAUKUM RIVER

NO.	DATE	REVISION	BY	APP.

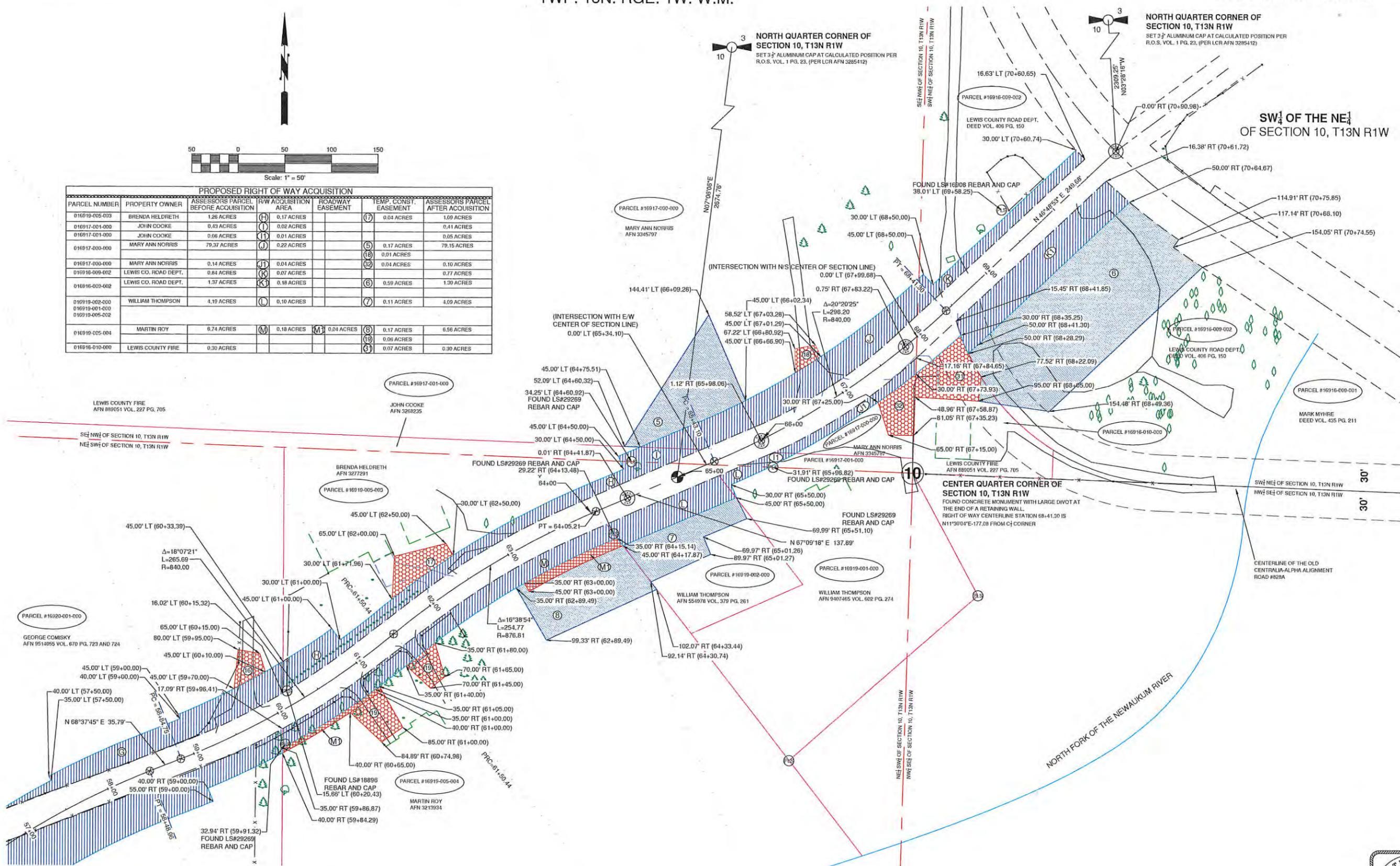


TWP. 13N. RGE. 1W. W.M.

LAND LINES ARE APPROXIMATE



PROPOSED RIGHT OF WAY ACQUISITION						
PARCEL NUMBER	PROPERTY OWNER	ASSESSORS PARCEL BEFORE ACQUISITION	R/W ACQUISITION AREA	ROADWAY EASEMENT	TEMP. CONST. EASEMENT	ASSESSORS PARCEL AFTER ACQUISITION
016919-005-003	BRENDA HELDRETH	1.26 ACRES	(H) 0.17 ACRES		(17) 0.04 ACRES	1.09 ACRES
016917-001-000	JOHN COOKE	0.43 ACRES	(I) 0.02 ACRES			0.41 ACRES
016917-001-000	JOHN COOKE	0.06 ACRES	(J) 0.01 ACRES			0.05 ACRES
016917-000-000	MARY ANN NORRIS	79.37 ACRES	(K) 0.22 ACRES		(5) 0.17 ACRES (16) 0.01 ACRES	79.15 ACRES
016917-000-000	MARY ANN NORRIS	0.14 ACRES	(L) 0.04 ACRES		(2) 0.04 ACRES	0.10 ACRES
016918-009-002	LEWIS CO. ROAD DEPT.	0.84 ACRES	(M) 0.07 ACRES			0.77 ACRES
016916-009-002	LEWIS CO. ROAD DEPT.	1.37 ACRES	(N) 0.18 ACRES		(6) 0.59 ACRES	1.30 ACRES
016919-002-000	WILLIAM THOMPSON	4.19 ACRES	(O) 0.10 ACRES		(7) 0.11 ACRES	4.09 ACRES
016919-001-000						
016919-005-004	MARTIN ROY	6.74 ACRES	(P) 0.18 ACRES (M) 0.04 ACRES		(8) 0.17 ACRES (19) 0.06 ACRES	6.56 ACRES
016916-010-000	LEWIS COUNTY FIRE	0.30 ACRES			(3) 0.07 ACRES	0.30 ACRES



**Lewis County**  
 Department of Public Works  
 2025 NE KRESKY AVE.  
 CHEHALIS WA 98532  
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DESIGNED BY :  
 DRAWN BY : SL  
 CHECKED BY : MR  
 DATE : 4-11-19

RIGHT OF WAY ALIGNMENT APPROVED BY :  
 SURVEY :  
 PROPERTY MANAGEMENT :  
 ASSISTANT COUNTY ENGINEER :  
 DATE : 4/15/19  
 DATE : 4/15/19  
 DATE : 4/15/19

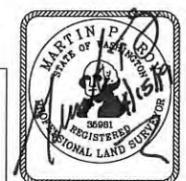
NO.	DATE	REVISION	BY	APP.

NORTH FORK ROAD REALIGNMENT  
 MILE POST 2.70-4.05

COUNTY ROAD PROJECT NO: 2158  
 RAP PROJECT NO: 2113-01  
 FEDERAL-AID NO: NA  
 RIGHT OF WAY MAP  
 STA 0+00 TO STA 70+91

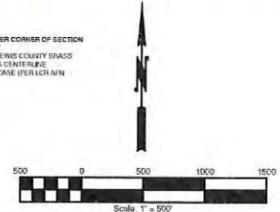
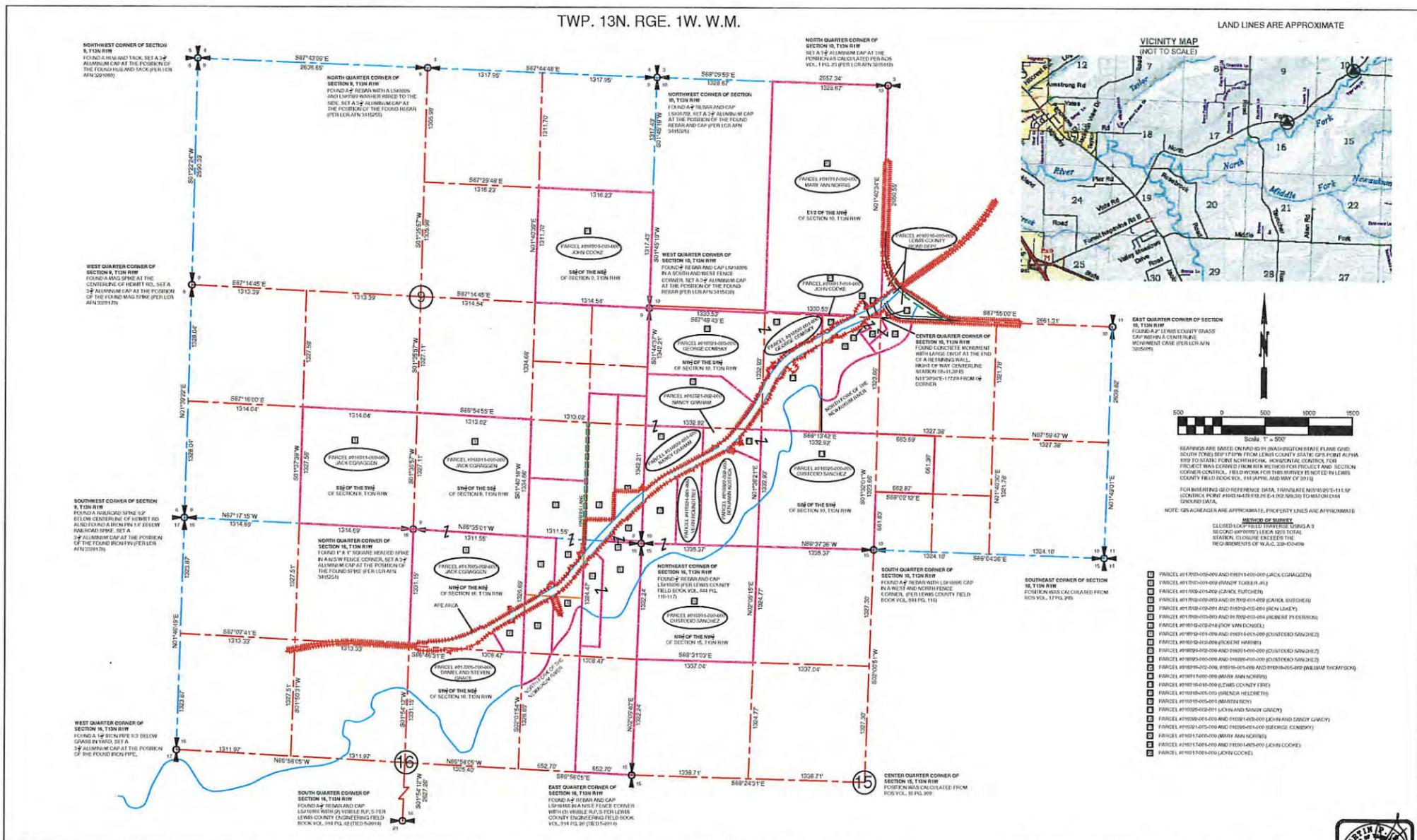
SHEET  
**R6**  
 OF  
**R7**

CALL 89 HOURS BEFORE YOU DIE  
 1-800-424-5555  
 "It's the Leaf"  
 Utilities  
 Underground Location Center



TWP. 13N. RGE. 1W. W.M.

LAND LINES ARE APPROXIMATE



BEARINGS ARE BASED ON NAD 83 BY WASHINGTON STATE PLANE GRID. SOUTH POINT, SP71757M FROM LEWIS COUNTY STATE GPS POINT ALPHA 100 TO DABE, POINT NORTH FORK, HORIZONTAL CONTROL. THIS PROJECT WAS DERIVED FROM RTW METH FOR PROJECT AND SECTION CORNER CONTROL. FIELD WORK FOR THIS PROJECT IS NOTED IN LEWIS COUNTY FIELD BOOK VOL. 811 (APRIL AND MAY OF 2013).

FOR BENCHING USED REFERENCE DATA, TRANSLATE NAD 83 TO NAD 83 BY SCALING POINT 10001470.00 (E) AND 10001470.00 (N) TO WADSWORTH GROUND DATA.

NOTE: DISTANCE MEASUREMENTS ARE APPROXIMATE. PROPERTY LINES ARE APPROXIMATE.

- LEGEND OF PARCELS**
- 1 PARCEL #01001402-000 AND 01001403-000 (JACK CORAGUEN)
  - 2 PARCEL #01001404-000 (RANDY FORBES)
  - 3 PARCEL #01001405-000 (CAROL FLETCHER)
  - 4 PARCEL #01001406-000 AND 01001407-000 (DANA, SUZIE H)
  - 5 PARCEL #01001408-000 AND 01001409-000 (BOB LAMER)
  - 6 PARCEL #01001410-000 AND 01001411-000 (JENNIFER FJ ESTERICH)
  - 7 PARCEL #01001412-000 (ROY VAN DUSEN)
  - 8 PARCEL #01001413-000 AND 01001414-000 (JUSTICE KANGHEZ)
  - 9 PARCEL #01001415-000 (JENNIFER HARRIS)
  - 10 PARCEL #01001416-000 AND 01001417-000 (JUSTICE KANGHEZ)
  - 11 PARCEL #01001418-000 AND 01001419-000 (JUSTICE KANGHEZ)
  - 12 PARCEL #01001420-000, 01001421-000 AND 01001422-000 (WILLIAM THOMPSON)
  - 13 PARCEL #01001423-000 (BRYAN HARRINGTON)
  - 14 PARCEL #01001424-000 (LEWIS COUNTY FIRE)
  - 15 PARCEL #01001425-000 (BRENDA HELDRITH)
  - 16 PARCEL #01001426-000 (MARTIN BOTT)
  - 17 PARCEL #01001427-000 (LARRY AND SANDY GARDY)
  - 18 PARCEL #01001428-000 AND 01001429-000 (LARRY AND SANDY GARDY)
  - 19 PARCEL #01001430-000 AND 01001431-000 (BERNICE COONEY)
  - 20 PARCEL #01001432-000 (BRYAN ANN NORRIS)
  - 21 PARCEL #01001433-000 AND 01001434-000 (LEWIS COOKE)
  - 22 PARCEL #01001435-000 (LEWIS COOKE)

**Lewis County**  
Department of Public Works

2025 NE KRESKY AVE.  
CHEWALIS WA 98532  
PHONE # (360) 740-1123  
FAX # (360) 740-2719

DESIGNED BY :  
DRAWN BY : SL  
CHECKED BY : MR  
DATE : 4-11-19

RIGHT OF WAY ALIGNMENT APPROVED BY :  
PROPERTY MANAGEMENT :  
ASSISTANT COUNTY ENGINEER :  
DATE : 4/11/19

NO.	DATE	REVISION	BY	APP.

NORTH FORK REALIGNMENT  
MILE POST 2.70-4.05

COUNTY ROAD PROJECT NO: 2168  
RAP PROJECT NO: 2113-01  
FEDERAL-AID NO: NA

RIGHT OF WAY MAP  
SECTION SUBDIVISION

SHEET  
R7  
OF  
R7

