



Contract Number 8715	Contract Title Keechelus Dam to Stampede Pass Phase 2A	Federal Aid Number State Project
Change Order Number 7	Change Description VECP No. 1 Staging Revision	Date Nov 20, 2015
Region South Central Region	Project Engineer Scott Golbek	Phone Number 509-577-1810
Prime Contractor / Design-Builder Guy F. Atkinson Construction		

- Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications or the RFP
- Change proposed by Contractor / Design-Builder

Evolution & Description Of Change

Change Evolution:

On April 30, 2015 discussions began between Atkinson Construction and the Project Engineer Scott Golbek regarding a VECP to reduce the construction staging from five stages to two.

The ability to reduce the construction staging is made possible as Atkinson Construction is also the Prime Contractor for Contract 8127. Given this, the Contractor is much more able to coordinate and reduce conflict between the two projects. Scott Golbek worked with South Central Region Construction, Brian White and Will Smith as well as Mike Fleming of Headquarters Construction on the feasibility of the proposal and other requirements needed to implement the proposal. The Contractor's proposal will realign the westerly end of the DE1 lane to parallel the existing eastbound traffic. This will expose the entire west bound limits of the project for construction in a single phase. This effectively eliminates phases three through five as outlined in the Special Provisions, Section 1-08.4, Order of Work.

Atkinson Construction provided the necessary documentation for Concept Approval which was granted by Scott Golbek on June 11, 2015.

Approval to proceed without a change order was granted by Scott Golbek on June 26, 2015.

Headquarters' concurrence by Mike Fleming on September 17, 2015

South Central Region Construction concurrence by Will Smith on September 17, 2015

Description of Change:

This change order will incorporate a Value Engineering Change Proposal into the Contract as outlined in Section 1-04.4(2). This Contract is a multiple year project with five distinct construction phases as outlined in the Special Provisions in Section 1-08.4. These phases are required to avoid conflict with another large construction project, C8127; I-90 / Snowshed to Keechelus Dam Phase 1C – Replace Snowshed and Add Lanes, and the need to maintain two lanes of traffic in both the east and westbound directions of travel. This phasing reduces conflict due to construction activities at the westerly project limits of this Contract.

The Contract Provisions, Section 1-04.4(2), provides a means for the Contractor to propose a Value Engineering Change Proposal, (VECP), to the Contract that will provide either a savings to WSDOT or reduce the time required to construct the project. The Contractors proposal will provide both a savings to the State by reducing the number of construction stages and will reduce the overall Contract duration.

The primary result of this change order will be to reduce the number of construction stages from five to two, and reduce construction time by approximately one year, completing the project in October 2018.

The cost savings from this VECP are primarily gained from the elimination of Stages 3 through 5 and the associated work. This cost is outlined in the Price section of this Memorandum.

This change order as executed will accomplish the following:

- Provide plans to realign the westerly end of the DE1 line which will provide access for the Contractor to work on the entire westbound alignment.
- Reduce the number of construction stages from 5 to 2.
- Reduced quantities will be realized due to the reduced staging.
- Overall cost savings to the Contract that will be shared between Atkinson Construction and WSDOT.

Contract Number 8715	Contract Title Keechelus Dam to Stampede Pass Phase 2A	Change Order Number 7														
<p>Basis of Cost & Justification:</p> <p>As outlined in Section 1-04.4(2)B, both the Contracting Agency and the Contractor are entitled to share equally in the savings generated by a VECP. Entitlement is found to provide for an equitable adjustment to the Contractor for the reduced quantity of HMA related to this VECP. The HMA is reduced by 5,900 tons which excludes the subcontractor in this case from recovering fixed overhead costs distributed across the entire bid amount. Although the reduction does not exceed 25% as described in Section 1-04.6 the subcontractor through no action of their own are being penalized and is entitled to compensation. The monetary savings generated by this VECP are realized by the elimination of associated Contract Work from Phases 3 through 5. Many bid items are affected with the net changes included in the Change Order. The overall cost savings as determined by Section 1-04.4(2)B is as follows:</p> <table> <tr> <td>Deleted Work</td> <td>\$-1,622,010.16</td> </tr> <tr> <td>Added Work</td> <td>\$37,060.00</td> </tr> <tr> <td>Contractor Incentive</td> <td>\$734,369.64</td> </tr> <tr> <td>Contractor Engineering</td> <td>\$111,611.87</td> </tr> <tr> <td>Miscellaneous Items</td> <td>\$40,550.00</td> </tr> <tr> <td><u>Survey</u></td> <td><u>\$15,000.00</u></td> </tr> <tr> <td>Total</td> <td>-\$683,418.65</td> </tr> </table> <p>Gross Savings: (gross cost of deleted work) – (gross cost of added work) = \$1,582,750.16</p> <p>Net savings: (gross savings) – (contractor’s engineering costs) – (WSDOT costs Eng \$2,399.00) = \$1,468,739.29 (/2 = \$734,369.64 Contractor incentive amount) The net cost of this change order results in a savings to WSDOT in the amount of \$683,418.65.</p>			Deleted Work	\$-1,622,010.16	Added Work	\$37,060.00	Contractor Incentive	\$734,369.64	Contractor Engineering	\$111,611.87	Miscellaneous Items	\$40,550.00	<u>Survey</u>	<u>\$15,000.00</u>	Total	-\$683,418.65
Deleted Work	\$-1,622,010.16															
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Contractor Engineering	\$111,611.87															
Miscellaneous Items	\$40,550.00															
<u>Survey</u>	<u>\$15,000.00</u>															
Total	-\$683,418.65															
<p>Contract Time:</p> <p>Contract Time: Contract time will be reduced by 15 days. Although it is the Contractor’s goal to complete the project by October 15, 2018, nearly a year ahead of schedule, the expected savings in working days is not realized immediately as the Contractor is committed to working late into the fall and earlier in the spring. This added effort on the Contractors part was not considered in the schedule developed in the WSDOT design effort. In comparing the proposed accelerated schedule with the base schedule, 15 working days are saved.</p>																
<p>Prior Approvals: Concept Approval by Scott Golbek on June 11, 2015. Approval to proceed without a change order by Scott Golbek on June 26, 2015. Final Approval by Will Smith, SCR Region Construction Manager on September 17, 2015. Final Approval by Mike Fleming, Headquarters Construction on September 17, 2015.</p>																
<p>List Attachments:</p>																

Distribution: Copy of Change Record & Change Order w/Backup - Project Engineer
Copy of ONLY Change Order - Prime Contractor / Design-Builder
Copy of Change Record & Change Order w/Backup - Region Construction Office
Electronic Copy & Original of Change Record & Change Order w/Backup - State Construction Office


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CHANGE ORDER**

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CONTRACT NO: 008715 FEDERAL AID NO:
CONTRACT TITLE: I-90, KEECHELUS DAM TO STAMPEDE PASS PHASE 2A- ADD
CHANGE ORDER NO: 7 VECP NO. 1 STAGING REVISION

PRIME CONTRACTOR: XXXXXXXXXX GUY F. ATKINSON CONSTRUCTION, LLC.
707 SOUTH GRADY WAY SUITE 500
RENTON WA 98057-3224

- () Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications
(X) Change proposed by Contractor

ENDORSED BY:  CONTRACTOR DATE 11/6/15	SURETY CONSENT: ATTORNEY IN FACT DATE
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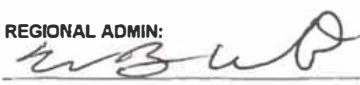
WSDOT
NOV 20 2015
ORG 454301

ORIGINAL CONTRACT AMOUNT: 72,777,532.41
CURRENT CONTRACT AMOUNT: 72,872,448.51
ESTIMATED NET CHANGE THIS ORDER: -683,418.65
ESTIMATED CONTRACT TOTAL AFTER CHANGE: 72,189,029.86

Approval Required: () Region () Olympia Service Center () Local Agency

ENTERED CAPS
DATE 12/19/15 INITIALS BSB

CCIS ENTRY DATE 11/23/15
ENTERED BY 

<input checked="" type="checkbox"/> APPROVAL RECOMMENDED  PROJECT ENGINEER DATE 11/20/15	<input type="checkbox"/> EXECUTED EXECUTED:  STATE CONSTRUCTION ENGINEER FOR DATE 12/7/15
<input checked="" type="checkbox"/> APPROVAL RECOMMENDED REGIONAL ADMIN:  BY: W. Brian White DATE 11/23/15	<input type="checkbox"/> EXECUTED OTHER APPROVAL WHEN REQUIRED SIGNATURE DATE REPRESENTING

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All work, materials, and measurements to be in accordance with the provisions of the Standard Specifications and Special Provisions for the type of construction involved.

This contract is revised as follows:

Description:

This change order incorporates a Value Engineering Change Proposal (VECP) in accordance with Section 1-04.2(2) into the Contract. Work will consist of a realignment of the DE1 Line, involving grading, surfacing and HMA paving. Revisions to the Order of Work as outlined in the Special Provisions are also made as part of this change order.

This VECP as proposed will reduce the construction stages from five to two. Work currently shown in the Plans as Stages 3 through 5 shall be incorporated into either of the two stages proposed by the Contractor.

By endorsing this Change Order Guy F. Atkinson Construction, (the Contractor), agrees to the following:

1. The Contractor accepts design risk of all features, both temporary and permanent, of the changed Work.
2. The Contractor accepts risk of constructability of the changed Work.
3. The Contractor provides the Contracting Agency with the right to use all or any part of the proposal on future projects without further obligation or compensation.
4. By endorsing this change order the Contractor agrees that any costs incurred, caused solely as a result of this VECP, by the Contractor for additional overhead, impacts to Work, or any other added costs associated with completing Contract Work beyond the 2018 construction season, shall be solely at the Contractors expense.

The Special Provision, Construction Timing for Rock Cuts from LW 1440+41 to LW 1457+41, page 135, lines 40 to 42, is deleted.

Section 1-08.4 of the Special Provisions, Order of Work, Page 136, Line 47 through Page 139 Line 18, is deleted.

Changes to the Approved Project Schedule shall be addressed with the next submitted schedule update as outlined in the Special Provision, Schedule Updates.

The following items are added to the Contract:

- C.O. 7; VECP No. 1 Contractor Incentive
 - C.O. 7; VECP No. 1 Contractor Engineering
 - C.O. 7; VECP No. 1, Miscellaneous Items
 - C.O. 7; VECP No. 1, Survey
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The following items are deleted from the Contract:

- Item 164; Transportable Attenuator
- Item 165; Operation of Transportable Attenuator
- Item 237; Sequential Arrow Sign
- Item 238; Portable Changeable Message Sign
- Item 240; Flaggers
- Item 241; Other Temporary Traffic Control

The following Plan Sheets are Deleted, Revised or are Added:

Deleted Sheet	Revised Plan Sheet	Added Plan Sheet
	35/TR1-1	
	36/TR1-2	
		TR1A-1
	46/QS1-1	
	47/QS1-2	
	48/QS1-3	
	49/QS1-4	
		QS1A-1
		QS1A-2
D1-1		D1A-1
D1-2		D1A-2
D1-3		D1A-3
		TR1B-1
		QS1B-1
		QS1B-2
		D1B-1
68/TR2-1		TR2A-1
69/TR2-2		TR2A-2
		TR2A-3
		TR2A-4
	70/TR2-3	
	74/QS2-1	
	75/QS2-2	
		QS2A-1
		QS2A-2
		D2A-1
76/D2-1		D2A-2
77/D2-2		D2A-3
78/D2-3		D2A-4
79/D2-4		D2A-5
80/D2-5		D2A-6
	86/TPS2-1	
		TPS2-1
88/TR3-1		
89/TR3-2		
	91/QS3-1	
		QS3B-1
		QS3B-2

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WSDOT Engineering costs = \$2,399.00

Contractor's Incentive payment = (net savings) / 2

Contractor's Incentive payment = \$734,369.64

"C.O. 7; VECP No. 1 Contractor Engineering", lump sum. Contractor engineering costs will be determined from invoices provided by the Contractor for engineering services relating to VECP No. 1.

"C.O. 7; VECP No. 1, Miscellaneous Items", lump sum. The lump sum payment will be considered full payment for incidental items associated with VECP No. 1; limited to the following item:

- Saw cutting
- An equitable adjustment of \$38,350 is made to compensate for lost overhead and profit as a result of the reduced quantity of HMA.

"C.O. 7; VECP No. 1, Survey", force account. Payment will be made in accordance with Section 1-09.6.

Contract Time:

Fifteen working days are deleted from the Contract.

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ITEM NO	GROUP NO	STD ITEM	ITEM DESCRIPTION	UNIT MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE
0013	01	0170	REMOVING GUARDRAIL	L.F.	2.80	-928.00	-2,598.40
0015	01	0330	ROADWAY EXCAVATION INCL. HAUL - AREA A	C.Y.	6.00	-8,170.00	-49,020.00
0020	01	0332	PAVEMENT REPAIR EXCAVATION INCL. HAUL	S.Y.	5.50	-440.00	-2,420.00
0025	01	0470	EMBANKMENT COMPACTION	C.Y.	2.30	-36,360.00	-83,628.00
0047	01	1161	UNDERDRAIN PIPE 8 IN. DIAM.	L.F.	17.00	410.00	6,970.00
0053	01	1182	SCHEDULE A CULV. PIPE 18 IN. DIAM.	L.F.	45.00	-6.00	-270.00
0059	01		TEMPORARY STAND PIPE	EACH	425.00	2.00	850.00
0099	01	5100	CRUSHED SURFACING BASE COURSE	TON	15.00	-10,890.00	-163,350.00
0108	01	5766	HMA CL. 3/8 IN. PG 64-28	TON	73.00	-5,900.00	-430,700.00
0110	01	5830	JOB MIX COMPLIANCE PRICE ADJUSTMENT	CALC	125,777.00	0.00	-12,106.00
0111	01	5835	COMPACTION PRICE ADJUSTMENT	CALC	83,850.00	0.00	-8,070.00
0116	01	6463	CHECK DAM	L.F.	11.00	-108.00	-1,188.00
0117	01	6471	INLET PROTECTION	EACH	80.00	-48.00	-3,840.00
0120	01	6500	COMPOST SOCK	L.F.	6.00	-2,640.00	-15,840.00
0121	01	6490	EROSION/WATER POLLUTION CONTROL	EST.	2,000,000.00	0.00	-400,000.00
0122	01	6457	MULCHING WITH LONG TERM MULCH	ACRE	2,700.00	-40.00	-108,000.00
0125	01	6630	HIGH VISIBILITY FENCE	L.F.	2.00	-12,620.00	-25,240.00
0126	01	6635	HIGH VISIBILITY SILT FENCE	L.F.	5.00	-3,290.00	-16,450.00
0147	01	6711	BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST	L.F.	28.00	-928.00	-25,984.00
0153	01	6760	BEAM GUARDRAIL TRANSITION SECTION TYPE 21	EACH	3,800.00	-1.00	-3,800.00
0155	01	6766	BEAM GUARDRAIL ANCHOR TYPE 10	EACH	1,100.00	1.00	1,100.00
0156	01		BARRIER GAP	EACH	1,050.00	14.00	14,700.00
0161	01	6781	TEMPORARY CONC. BARRIER	L.F.	9.00	-17,542.50	-157,882.50
0163	01	7445	RESETTING IMPACT ATTENUATOR	EACH	875.00	-4.00	-3,500.00
0164	01	7447	TRANSPORTABLE ATTENUATOR	EACH	0.01	-6.00	-0.06
0165	01	7449	OPERATION OF TRANSPORTABLE ATTENUATOR	HOURL	0.01	-16,480.00	-164.80
0168	01		TEMPORARY RIGID GUIDE POST	EACH	50.00	-66.00	-3,300.00
0169	01		LDS BARRIER DELINEATOR	EACH	34.00	-524.00	-17,816.00
0171	01		SNOW POLE	EACH	22.00	-483.00	-10,626.00
0181	01	6896	TEMPORARY PAVEMENT MARKING-LONG DURATION	L.F.	0.40	-162,722.00	-65,088.80
0237	01	6956	SEQUENTIAL ARROW SIGN	HOURL	0.01	-16,480.00	-164.80
0238	01	6993	PORTABLE CHANGEABLE MESSAGE SIGN	HOURL	0.01	-28,240.00	-282.40
0240	01	6980	FIAGGERS	HOURL	0.01	-8,240.00	-82.40
0241	01	6992	OTHER TRAFFIC CONTROL LABOR	HOURL	0.01	-49,400.00	-494.00
0244	01		TEMPORARY GLARE SCREEN	L.F.	8.00	-1,263.00	-10,104.00
0249	01	7014	GRAVEL BACKFILL FOR DRAIN	C.Y.	42.00	320.00	13,440.00
293	1006		C.O. 7; VECP NO. 1, CONTRACTOR INCENTIVE	L.S.	0.00	0.00	734,369.64
294	1007		C.O. 7; VECP NO. 1, CONTRACTOR ENGINEERIN	L.S.	0.00	0.00	111,611.87
295	1008		C.O. 7; VECP NO. 1, MISCELLANEOUS ITEMS	L.S.	0.00	0.00	40,550.00
296	1009		C.O. 7; VECP NO. 1, SURVEY	EST.	0.00	0.00	15,000.00

-683,418.65
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CHANGE ORDER-CHECKLIST

Cont. #: <u>8715</u>	Cont. Title: <u>Keetchikubs Dam To Stampede Pass - 2A</u>	If yes, State Construction Office Approval Required.
C.O. #: <u>7</u>	C.O. Title: <u>VECP No. 1 Staging Revision</u>	
I. Executed by the State Construction Office		
1. Cost or credit equal to or exceeding \$200,000.*1	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X
2. Change in the contract documents beyond the scope, intent or termini of the original contract.*2	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
3. Any proposed revision or deletion of work that affects the condition of award requirements. (Must be coded "CO" in CCIS)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
4. Change in contract time greater than 30 working days, or a change in contract time not related to any change order.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
II. Executed by the Region		
5. Cost or credit greater than \$100,000 but less than \$200,000.*1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Change in contract time greater than 10 and less than or equal to 30 working days (must be related to changes implemented by change order).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
III. Executed by the Project Engineer		
7. Determination of impacts and/or overhead.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
8. Specification change involving Headquarters generated specification. (Includes Region generated specification requiring State Construction Office Approval)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X
9. Specification change involving Region generated specifications.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
10. Material or product substitution.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
11. Structural design change in the roadway section. (Requires State Materials Lab approval)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
12. Determination of changed condition. (Section 1-04.7 of the Standard Specifications)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
13. Settlement of a claim. (Section 1-09.11(2) of the Standard Specifications)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
14. Repair of damage regarding "acts of God" or "acts of the public enemy or of government authorities". (Section 1-07.13 of the Standard Specification)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
15. Structural change to structures. (See BTA authority as shown in the Construction Manual)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X

Approvals obtained: Project Engineer (Required): Satt Golbek Date: 6/11/15
 Region (Required if yes marked): Will Smith Date: 9/17/15
 State Construction Office: Mike Fleming Date: 9/17/15
 State Materials Lab: _____ Date: _____
 Other (Local Agency, FHWA, Surety, etc.): _____ Date: _____

To be completed by the Project Engineer :

CO Reason(s) (See "2008 Codes and Definitions" on HQ Construction SharePoint): Sec 1-04/01/IP/AF
 Change Order Prepared By: Kirk Holyoak Date: 9/15
 Has change been entered as lesson learned? Yes No Has design documentation been updated? Yes No
 Is this project under full FHWA stewardship oversight? *1 Yes No

To be completed by the Region :

Is the change eligible for Federal participation where applicable? Yes No
 Change Order Reviewed by: Will Smith Date: 12/18/15

*1 Change (Cost or Credit) greater than \$200,000 or greater than 30 days on Full Federal Stewardship Oversight projects requires FHWA approval. (see Construction Manual - Chapter 1-2.4C(3), Chapter 1-3.4, and <http://www.wsdot.wa.gov/biz/construction/Stewardship/Stewardship.xls>)
 *2 Per RCW 47.28.050, any change beyond \$7,500 that is beyond the original scope shall go through the competitive bidding process.

This form represents the minimum information required by the State Construction Office. If you wish to supplement this information, you may do so on a separate sheet of paper.

REQUIRED INFORMATION FOR CHANGE ORDERS IN CCIS

Contract No.: 8715 Section: _____
 C.O. No.: 7 C.O. Title: VECP No. 1 Staging Revisions
 Order Date: _____ Proposed By: E- Engineer C - Contractor B - Bott
 Required Approval: HQ Region PE Unilateral Change?: Yes No
 PE Stamp Required?: Yes No Is this a Minor Change?: Yes No
 Comments: Contractor proposed VECP will reduce construction stages from 5 to 2-3. Reduced staging will reduce quantities required of several items

CRIP AMOUNT: This amount must be entered when there is a CRIP on the Change Order.
 (The amount entered here is WSDOT's actual savings, not the total amount of the CRIP)

APPROVAL TO PROCEED

Approval Date: _____ Estimated Amount: \$ 760,000.00
\$ -725,000.00
 Requested By: Region PE Approved By: HQ Region PE

Narrative: Concept Approval, 6/11/15 Scott Gadbek
Region Approval, 9/7/15 Brian White/Will Smith
HQ Construction Approval 9/17/15 Mike Fleming

Surety Consent: Yes No If yes, Surety Date: _____

What section of contract changed?: AB/Sec 1-04 (Based on Std. Item Table Section)

Describe the Detail Change: 01 (Based on actual item of work)

What created the need or caused the change?: IP (Primary (*) 2 letter code - 1 only)

What is the purpose of the change order?: AF (Secondary 2 letter codes - may use 2)

Change Reasons:

PRIMARY CODES (Need)	SECONDARY CODES (Purpose)
AP *ADMIN PROBLEM	<u>AF</u> ADMIN CHANGE
BC *BUDGET CONSTRAINTS	AW ADDED WORK
CC *CHANGED CONDITIONS	CO CONDITION OF AWARD
CS *CLAIM SETTLEMENT	CR CORRECTION/REPAIR
DR *DRB DECISION	DO DELAY COMPENSATION
EE *CONST ENGR ERROR	DS DESIGN CHANGE
EV *ENVIROMENTAL	DW DELETED WORK
HZ *HAZARDOUS MATERIAL	MO QUANTITY VARIATION
<u>IP</u> *CRIP	MR MAT'LS SPEC REVISION
MS *MATERIAL SUBSTITUTION	OC OMISSION IN CONTRACT PROVISIONS
NS *NON-SPEC MATERIAL	OP OMISSION IN THE PLANS
PI *PLAN ERROR-INFO.	OR OTHER SPEC REVISION
PM *PLAN ERROR-MISTAKE	RS REVISED SCOPE
SC *SPEC CONFLICT/AMBIG	SA SCHEDULE ADJUSTMENT
TP *THIRD PARTY REQUEST	SU DESIGN SURVEY OR BASE MAP ERROR
UC *UNANTICIPATED COND	UP UTILITY PLAN ERRORS
	WM WORK METHOD CHANGE

LEGEND

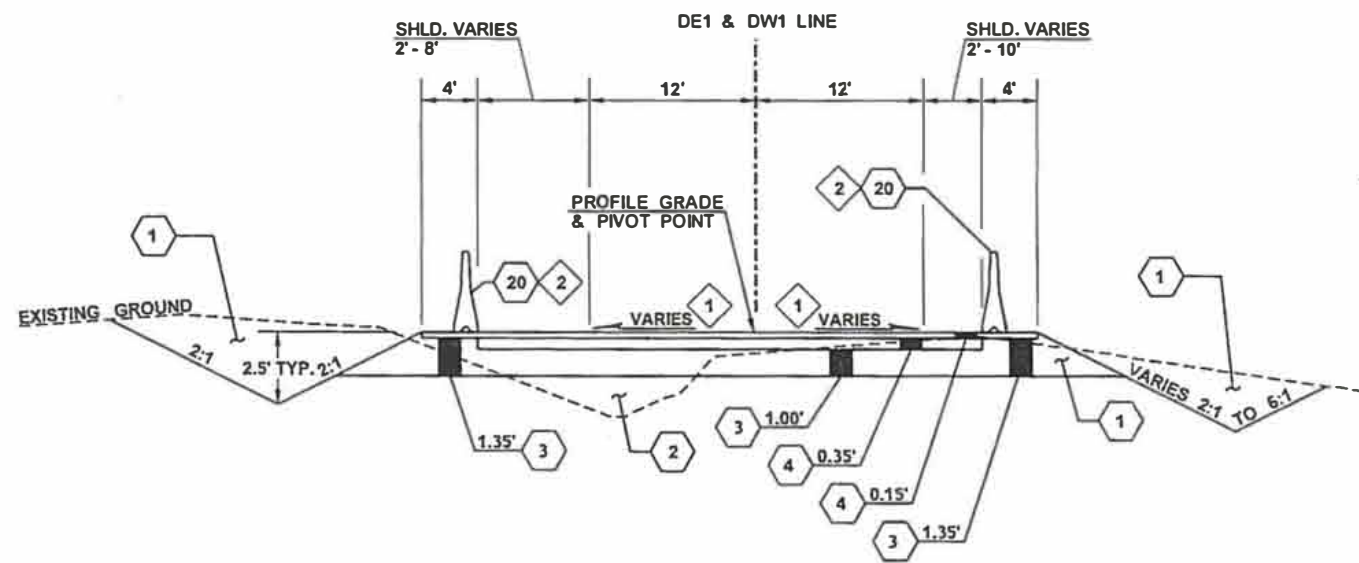
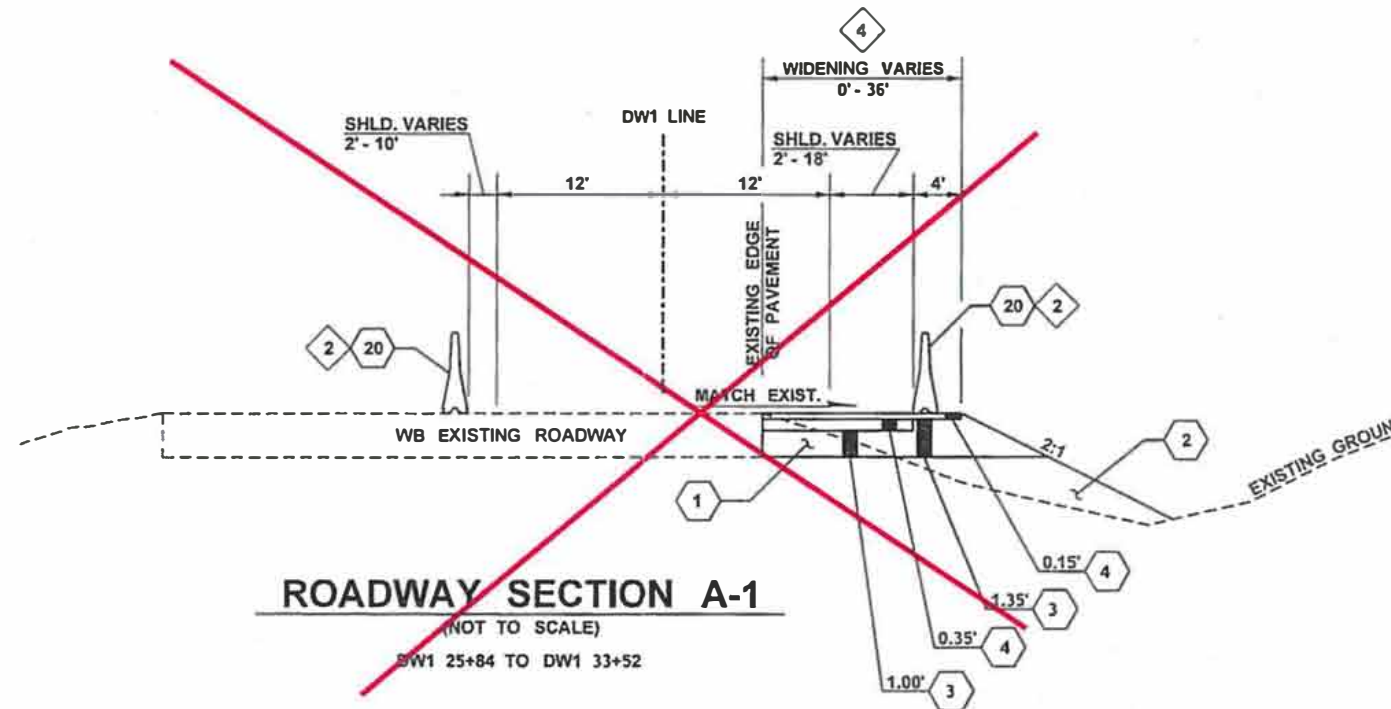
- 1 ROADWAY EXCAVATION INCL. HAUL
- 2 EMBANKMENT COMPACTION
- 3 CRUSHED SURFACING BASE COURSE
- 4 HMA CL. 3/8 IN. PG 64-28
- 20 TEMPORARY CONC. BARRIER

GENERAL NOTES:

ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS.
 SEE SHEETS D1-1 TO D1-10 FOR BARRIER LOCATIONS.
 SEE SHEETS D1-1 TO D1-10 FOR VARIABLE WIDTH LOCATIONS.
 SEE TRAFFIC SEQUENCING SHEET TS1 FOR TYPICAL CONSTRUCTION.

CONSTRUCTION NOTES:

- 1 SEE PROFILE AND SUPERELEVATION - STAGE 1 SHEETS FOR ROADWAY CROSS SLOPES.
- 2 SEE QUANTITY TABULATION SHEETS FOR BARRIER TYPE AND LOCATION.
- 4 ADDITIONAL WIDENING FOR FUTURE STAGE 2.



LINE AND STATION RANGE	ROADWAY EXCAVATION INCL. HAUL-AREA A (CY)	EMBANKMENT COMPACTION (CY)
DW1 25+84 TO DW1 33+52	160	1,110
DW1 33+52 TO DW1 37+00	SEE PROFILE FOR QUANTITIES	
DW1 37+00 TO DW1 47+00	6,390	70
DW1 47+00 TO DW1 57+00	1,950	220
DW1 57+00 TO DW1 67+00	3,470	110
DW1 67+00 TO DW1 77+00	4,730	710
DW1 77+00 TO DW1 87+00	2,720	60
DW1 87+00 TO DW1 97+00	890	230
DW1 97+00 TO DW1 107+00	380	0
DW1 107+00 TO DW1 117+00	230	0
DW1 117+00 TO DW1 120+26	90	200
DW1 122+97 TO DW1 133+00	SEE PROFILE FOR QUANTITIES	
DW1 122+97 TO DW1 133+00	580	40
DW1 133+00 TO DW1 140+25	230	100

LINE AND STATION RANGE	ROADWAY EXCAVATION INCL. HAUL-AREA A (CY)	EMBANKMENT COMPACTION (CY)
DE1 83+60 TO DE1 93+00	SEE PROFILE FOR QUANTITIES	
DE1 93+00 TO DE1 103+00	SEE PROFILE FOR QUANTITIES	
DE1 103+00 TO DE1 106+78	SEE PROFILE FOR QUANTITIES	
DE1 106+78 TO DE1 116+00	80	0
DE1 116+00 TO DE1 127+23	250	50

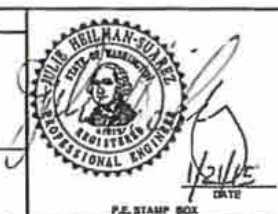
ROADWAY SECTION B-1

(NOT TO SCALE)

~~DW1 33+52 TO DW1 37+00~~
 DE1 84+36 TO DE1 104+75
 DW1 120+26 TO DW1 121+03

FILE NAME	K:\452201\XL4134_2A\CAD\ContractPlans_Alt1070-StagingPlan\XL4134_PS_SU_TRS_Stage1.dgn		
TIME	11:21:46 AM		
DATE	1/20/2015		
PLOTTED BY	robersj		
DESIGNED BY	S. ROBERT		
ENTERED BY	B. CUILIER		
CHECKED BY	P. COOPER		
PROJ. ENGR.	J. HEILMAN-SUAREZ		
REGIONAL ADM.	D. WHITEHOUSE		
REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER	CONTRACT NO.	LOCATION NO.
14Y015		



P.E. STAMP BOX	DATE



I-90	Plot 1
KEECHELUS DAM TO STAMPEDE PASS PHASE	PLAN REF NO
2A - ADD LANES/BUILD WILDLIFE BRIDGES	TR1-1
TEMP. ROADWAY SECTIONS - STAGE 1	SHEET 35 OF 788 SHEETS

LEGEND

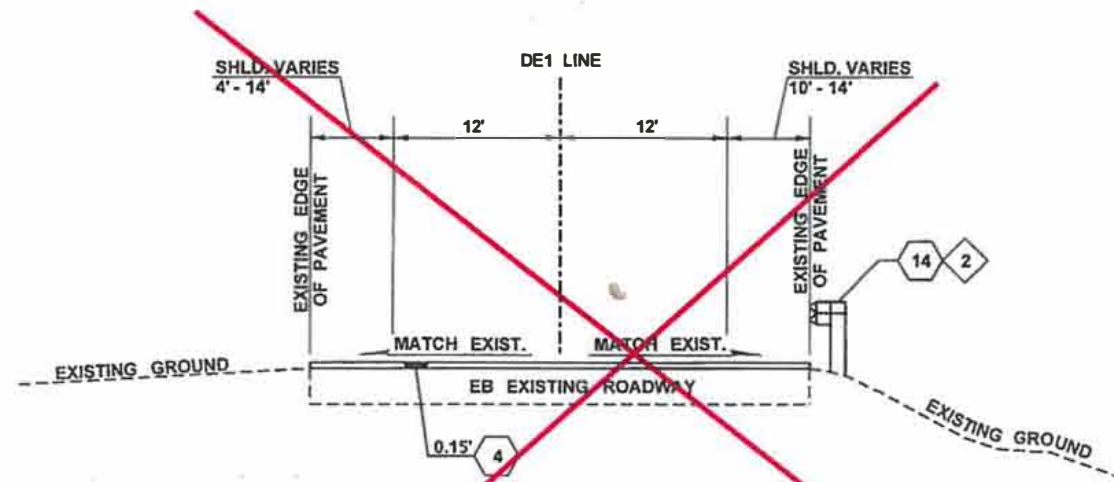
- 1 ROADWAY EXCAVATION INCL. HAUL
- 2 EMBANKMENT COMPACTION
- 3 CRUSHED SURFACING BASE COURSE
- 4 HMA CL. 3/8 IN. PG 64-28
- 14 BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST
- 20 TEMPORARY CONC. BARRIER

GENERAL NOTES:

ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS.
 SEE SHEETS D1-1 TO D1-10 FOR BARRIER LOCATIONS.
 SEE SHEETS D1-1 TO D1-10 FOR VARIABLE WIDTH LOCATIONS.
 SEE TRAFFIC SEQUENCING SHEET TS1 FOR TYPICAL CONSTRUCTION.

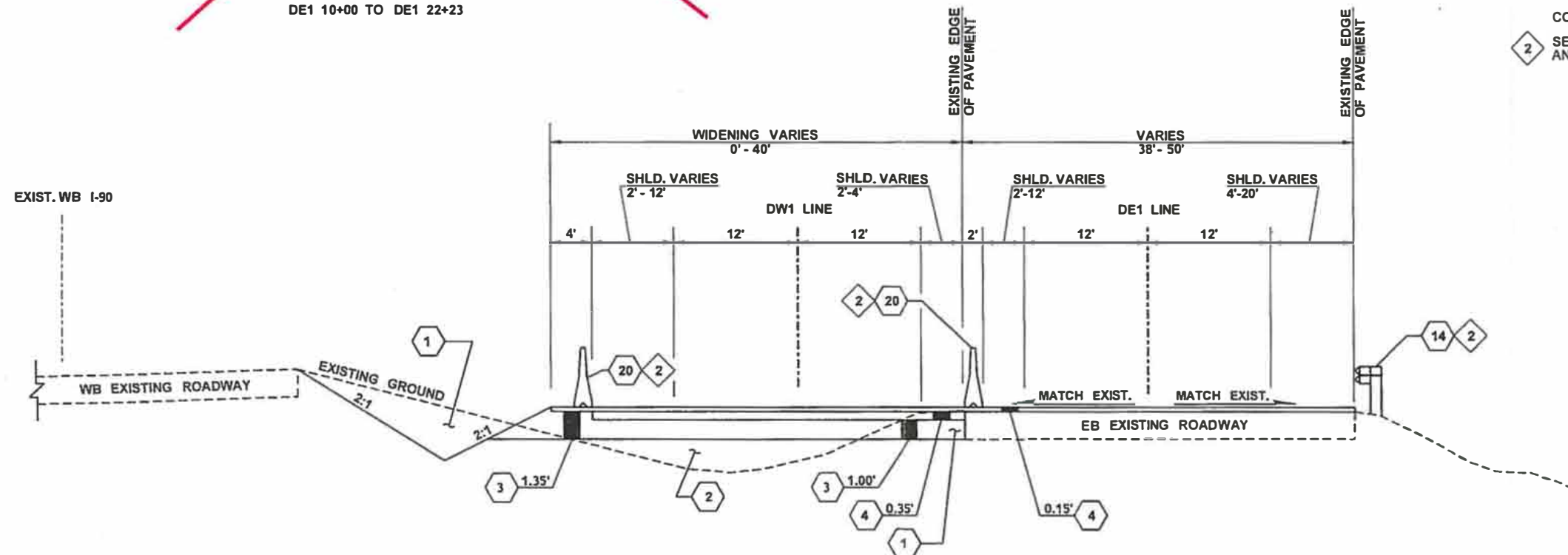
CONSTRUCTION NOTES:

- 2 SEE QUANTITY TABULATION SHEETS FOR BARRIER TYPE AND LOCATION.



ROADWAY SECTION C-1

(NOT TO SCALE)
 DE1 10+00 TO DE1 22+23



ROADWAY SECTION D-1

(NOT TO SCALE)
 DW1 41+19 TO DW1 98+28
 DE1 10+00 TO DE1 83+60
 10+00

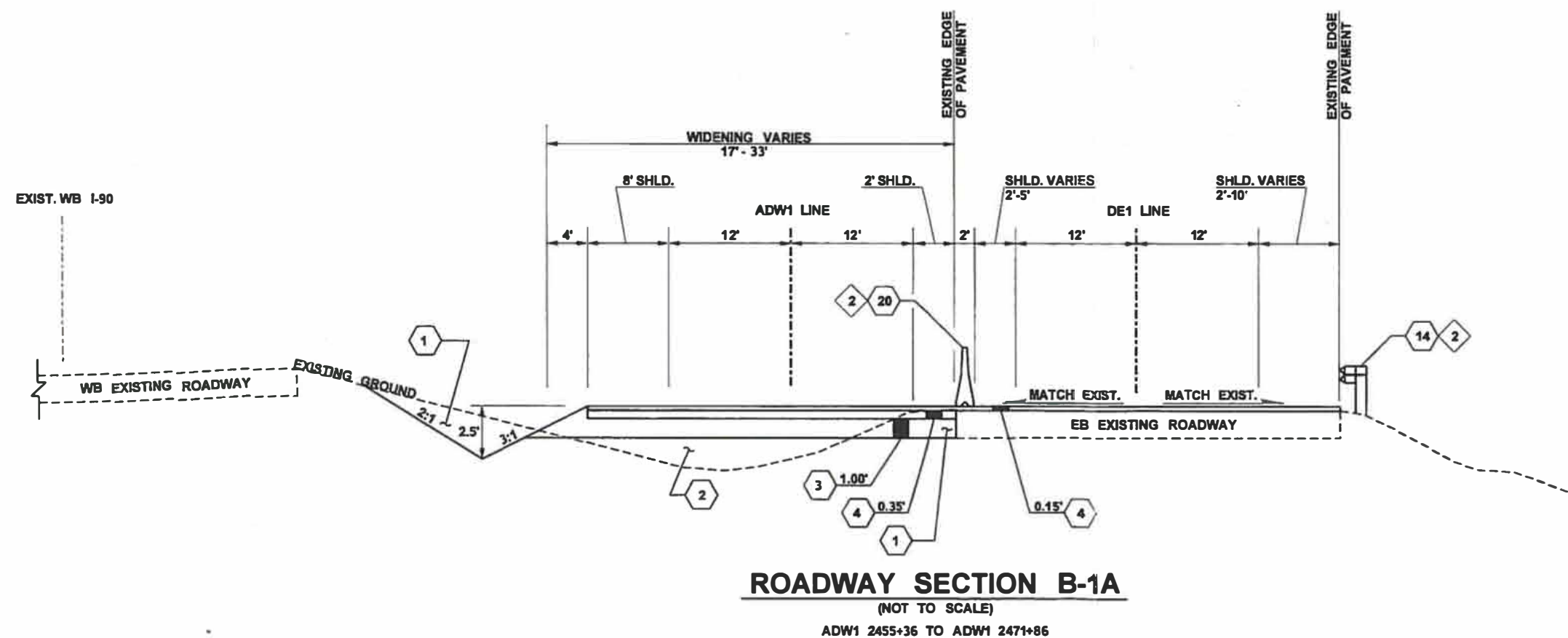
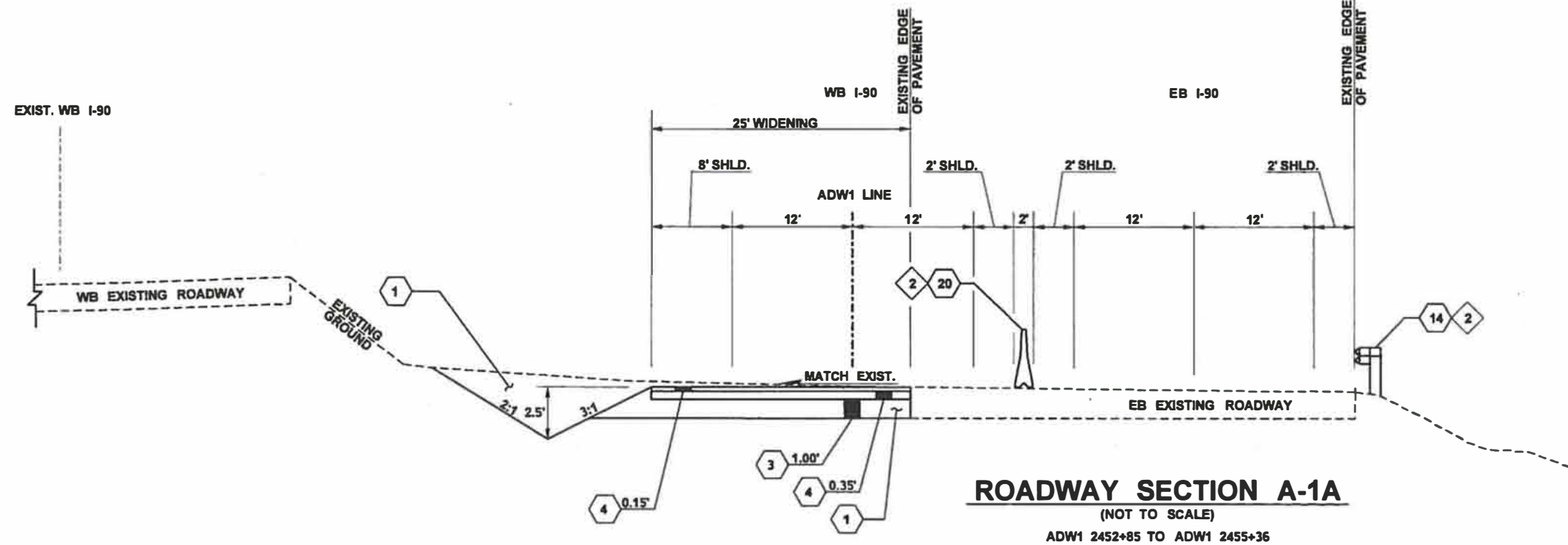
FILE NAME	K:\452201\XL4134_2AICAD\ContractPlans_Alt070-StagingPlan\XL4134_PS_SU_TRS_Stage1.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES TEMP. ROADWAY SECTIONS - STAGE 1	Plot2
TIME	11:21:46 AM			10	WASH					PLAN REF NO
DATE	1/20/2015			JOB NUMBER	14Y015	LOCATION NO.			SHEET	36
PLOTTED BY	robersj			CONTRACT NO.					OF	788
DESIGNED BY	S. ROBERT								SHEETS	
ENTERED BY	B. CUILLIER									
CHECKED BY	P. COOPER									
PROJ. ENGR.	J. HEILMAN-SUAREZ									
REGIONAL ADM.	D. WHITEHOUSE	REVISION	DATE	BY						

LEGEND

- 1 ROADWAY EXCAVATION INCL. HAUL
- 3 CRUSHED SURFACING BASE COURSE
- 4 HMA CL. 3/8 IN. PG 64-28
- 14 BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST
- 20 TEMPORARY CONC. BARRIER

GENERAL NOTES:
 ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS.
 SEE SHEETS D1A-1 TO D1A-3 FOR BARRIER LOCATIONS.
 SEE SHEETS D1A-1 TO D1A-3 FOR VARIABLE WIDTH LOCATIONS.
 SEE TRAFFIC SEQUENCING SHEET TS1 FOR TYPICAL CONSTRUCTION.

CONSTRUCTION NOTES:
 2 SEE QUANTITY TABULATION SHEETS FOR BARRIER TYPE AND LOCATION.



FILE NAME c:\pwworking\ina\branch\pld02153661TR1A-1 Temp Roadway Sections - Stage 1A.dgn		REGION NO. 10		STATE WASH	FED.AID PROJ.NO.			I-90	PLAN REF NO. TR1A-1
TIME 3:41:54 PM	DATE 6/24/2015	JOB NUMBER 14Y015	CONTRACT NO.	LOCATION NO.	KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES				
PLOTTED BY branchjp	DESIGNED BY J. BRANCH	ENTERED BY J. RAMIREZ	CHECKED BY J. TAYLOR	PROJ. ENGR. S. GOLBEK		REGIONAL ADM. D. WHITEHOUSE	TEMP. ROADWAY SECTIONS - STAGE 1A NO CROSSOVER	SHEET OF SHEETS	
REVISION	DATE	BY	P.E. STAMP BOX		DATE				


QUANTITY TABULATION - STAGE 1

NOTE: THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.															GENERAL NOTES:														
CODE	LOCATION \ UNIT OF MEASURE >	RESETTING IMPACT ATTENUATOR*	TEMPORARY RIGID GUIDE POST (TYPE W)*	TEMPORARY RIGID GUIDE POST (TYPE Y)*	LD5 BARRIER DELINEATOR (TYPE W)*	LD5 BARRIER DELINEATOR (TYPE Y)*	SNOW POLE*		PAINT LINE	PAINTED STOP LINE		TEMPORARY PAVEMENT MARKING-LONG DURATION*	TEMPORARY GLARE SCREEN*		SEE GENERAL NOTES														
		EACH	EACH	EACH	EACH	EACH	EACH		L.F.	L.F.		L.F.	L.F.																
	DW1 10+00 - DW1 141+00		28	8			263					117900			6														
	DE1 10+00 - DE1 128+00		42	13			237					106200			6														
	S 21+13 - S 41+08								2000																				
	EX 10+00 - EX 18+73								2000																				
	41+19.30 (14' RT)						243						5791																
D1-1 1	DW1 10+00 (19' RT) - DE1 106+78 (16' LT)						336						8040		3, 4, 6, 8														
D1-1 2	DW1 10+15 (14' LT) - DW1 14+15 (14' LT)				9										1, 4, 6														
D1-1 3	DW1 10+54 (76' LT) - DW1 11+98 (68' LT)																												
D1-1 4	DW1 10+72 (124' LT) - DW1 12+13 (122' LT)																												
D1-1 5	DW1 20+25 (14' LT) - DW1 42+44 (20' LT)						49								1, 4, 6														
D1-2 1	DE1 10+00 (23' RT) - DE1 50+18 (19' RT)																												
D1-2 2	DE1 10+00 (25' RT) - DE1 10+23 (23' RT)														7														
D1-2 3	DE1 10+23 (23' RT) - DE1 10+98 (23' RT)					2									4, 6														
D1-2 4	DE1 10+94 (23' RT) - DE1 23+26 (23' RT)														5, 7														
D1-3 1	DE1 23+23 (23' RT) - DE1 23+98 (22' RT)					2									4, 6														
D1-3 2	DE1 23+94 (22' RT) - DE1 30+86 (17' RT)														5, 7														
D1-3 3	DE1 30+83 (17' RT) - DE1 31+58 (16' RT)					3									4, 6														
D1-3 4	DE1 31+54 (16' RT) - DE1 44+31 (17' RT)														5, 7														
D1-4 1	DW1 55+44 (20' LT) - DW1 58+94 (20' LT)					5									1, 4, 6														
D1-4 2	DE1 44+31 (17' RT) - DE1 44+99 (18' RT)					2									4, 6														
D1-4 3	DE1 44+99 (18' RT) - DE1 50+38 (24' RT)														5, 7														
D1-5 1	DW1 68+77 (20' LT) - DW1 74+89 (20' LT)					8									1, 4, 6														
D1-5 2	DW1 69+25 (185' LT) - DW1 73+93 (151' LT)																												
D1-6 1	DW1 83+11 (97' LT) - DW1 83+51 (100' LT)																												
D1-6 2	DW1 83+85 (101' LT) - DW1 85+22 (102' LT)																												
D1-7 1	DW1 89+67 (20' LT) - DW1 107+80 (20' LT)					30									1, 2, 4, 6														
D1-7 2	DW1 95+42 (145' LT) - DW1 96+63 (178' LT)																												
D1-7 3	DE1 85+64 (20' RT) - DE1 108+56 (20' RT)					44									4, 6, 7														
D1-7 4	DE1 85+08 (24' RT) - DE1 88+47 (161' RT)																												
D1-8 1	DW1 114+37 (16' RT) - DW1 120+11 (50' RT)						8						580		3, 4, 6														
D1-9 1	DW1 122+97 (20' LT) - DW1 129+36 (20' LT)					8									1, 4, 6														
D1-9 2	DW1 124+91 (20' LT) - DW1 129+36 (35' LT)	1													1, 4, 6														
SHEET TOTAL			70	21			156 113	344 251	500	4000		224100	8380 6371																

DESIGNED BY	S. ROBERT	REGION NO.	10	STATE	WASH	FED. AID PROJ. NO.	
ENTERED BY	B. CULLIER	JOB NUMBER		14Y015		Washington State Department of Transportation	
CHECKED BY	L. HUCK	CONTRACT NO.					
PROJ. ENGR.	J. HEILMAN-SUAREZ	DATE	DATE	REVISION	BY	I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES / BUILD WILDLIFE BRIDGES	
REGION ADM.	D. WHITEHOUSE	QUANTITY TABULATION - STAGE 1				QS1-2 SHEET 47 OF 788 SHEETS	

QUANTITY TABULATION - STAGE 1

NOTE: THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.		RESETTING IMPACT ATTENUATOR*	TEMPORARY RIGID GUIDE POST (TYPE W)*	TEMPORARY RIGID GUIDE POST (TYPE Y)*	LDS BARRIER DELINEATOR (TYPE W)*	LDS BARRIER DELINEATOR (TYPE Y)*	SNOW POLE*	PAINT LINE	PAINTED STOP LINE	TEMPORARY PAVEMENT MARKING-LONG DURATION*	TEMPORARY GLARE SCREEN*	SEE GENERAL NOTES	GENERAL NOTES:
CODE	LOCATION \ UNIT OF MEASURE >	EACH	EACH	EACH	EACH	EACH	EACH	L.F.	L.F.	L.F.	L.F.		
PS-1 1	S 20+32 - S 20+32 (14.1' RT)								14				
PS-3 1	S 34+20 (16' LT) - S 39+72 (14' LT)											7	1. TEMPORARY IMPACT ATTENUATOR SHALL BE ONE OF THE FOLLOWING: ABSORB 350, TRITON CET, OR TRACC AND SHALL INCLUDE SIGN W12-501. 2. THIS BARRIER SHALL BE ANCHORED INTO HMA STA. DW1 89+67 TO STA. DW1 98+58. 3. SEE SHEET TDE3 FOR TEMPORARY GLARE SCREEN DETAIL. SEE SPECIAL PROVISION "CONCRETE BARRIER." 4. SEE SHEET TDE-4 FOR TEMP. CONC. BARRIER DETAIL. 5. GUARDRAIL POSTS SHALL REQUIRE INSTALLATION IN HMA ADJACENT TO CONC. BARRIER. 6. SEE SPECIAL PROVISION "GUIDE POSTS." 7. TYPE B CONNECTION TO CONCRETE BARRIER REQUIRED. 8. TEMPORARY GLARE SCREEN ENDS AT DW1 101+00 (46' RT) * THIS ITEM APPEARS ON MULTIPLE QUANTITY TABULATION OR STRUCTURE NOTE SHEETS. SEE SHEETS SNQT1 - SNQT2 FOR PROJECT TOTALS.
PS-3 2	S 34+30 (13.3' LT) - S 39+68 (13.4' LT)											7	
PS-3 3	S 38+60 (16' RT) - S 39+72 (14' RT)												
PS-3 4	S 39+08 (21.2' RT) - S 39+68 (14.4' RT)												
PS-5 1	EX 10+29 (99' RT) - EX 11+41 (91' RT)												
PS-5 2	EX 10+29 (99' RT) - EX 11+41 (91' RT)												
SHEET TOTAL					113	251			14		6371		
PROJECT TOTAL		1	70	21	156	344	500	4000	14	224100	9390		

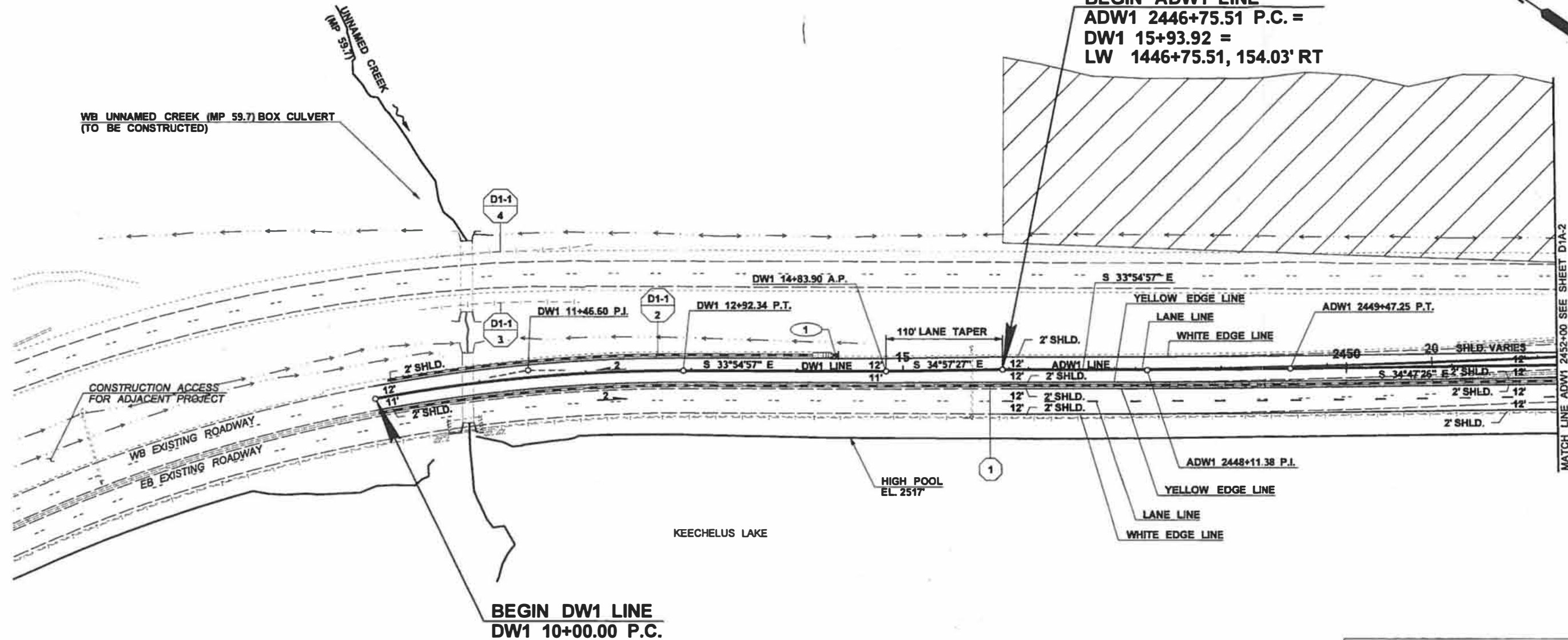
DESIGNED BY	S. ROBERT	ENTERED BY	B. CULLIER	CHECKED BY	L. HUCK	PROJ. ENGR.	J. HELMAN-SUAREZ	REGION ADM.	D. WHITEHOUSE	DATE	DATE	REVISION	BY	REGION NO.	STATE	FED. AID PROJ. NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES / BUILD WILDLIFE BRIDGES	QS1-4 SHEET 49 OF 788 SHEETS
																		QUANTITY TABULATION - STAGE 1		

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
DW1 11+46.60	10° 45'03" RT	1558'	146.60'	292.34'	-
ADW1 2448+11.38	0° 52'29" LT	17,800.00'	135.87'	271.74'	-

T.21N R.11E. W.M.

BEGIN ADW1 LINE
 ADW1 2446+75.51 P.C. =
 DW1 15+93.92 =
 LW 1446+75.51, 154.03' RT

WB UNNAMED CREEK (MP 59.7) BOX CULVERT
 (TO BE CONSTRUCTED)

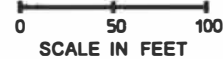


BEGIN DW1 LINE
 DW1 10+00.00 P.C.

BARRIER GAP				
CODE	LOCATION	LT/RT	QTY	(EACH)
D1-1 1	DW1 12+00	RT	2	
D1-1 1	DW1 13+00	RT	2	
D1-1 1	DW1 13+50	RT	2	
D1-1 1	DW1 14+00	RT	2	
D1-1 1	DW1 14+50	RT	2	
D1-1 1	DW1 15+00	RT	2	

BARRIER GAP NOTES:

PIN BARRIER BETWEEN GAPS
 WHEN LENGTH OF BARRIER
 BETWEEN GAPS IS 50' OR LESS.



NOTES:

1. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
2. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
3. SEE SHEETS TD1-1 TO TD1-3 FOR ADDITIONAL TEMPORARY DRAINAGE AND TESC NOT SHOWN.

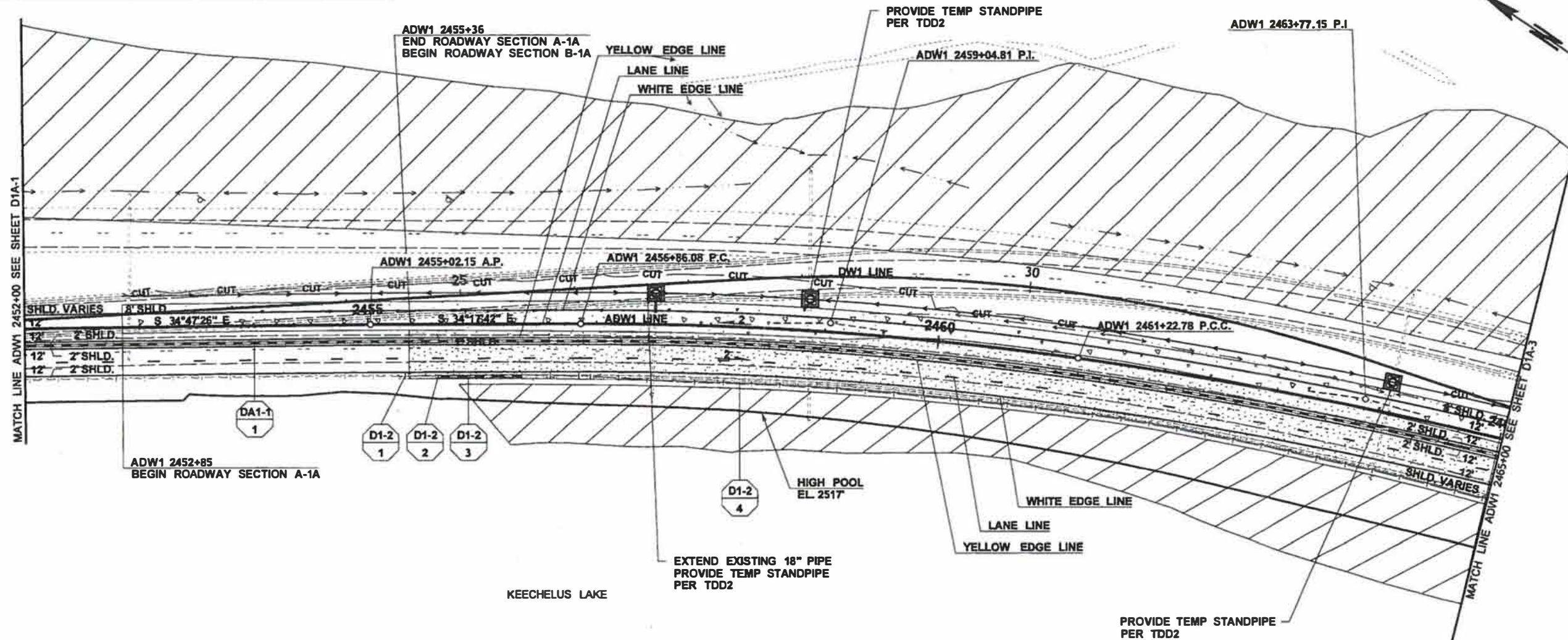


LEGEND	
	WORK AREA
	EXISTING GUARDRAIL
	EXISTING BARRIER
	TEMPORARY BARRIER
	BARRIER GAP
	TEMPORARY IMPACT ATTENUATOR
	SIGN LOCATION
	BOX CULVERT
	EXISTING CULVERT
	QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

FILE NAME	c:\pwworking\panickmc\d0215366D1A-1_No Crossover.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES	PLAN REF NO.
TIME	10:32:45 AM			10	WASH					D1A-1
DATE	6/25/2015			JOB NUMBER	14Y015					SHEET
PLOTTED BY	panickmc			CONTRACT NO.						OF
DESIGNED BY	J. BRANCH			LOCATION NO.						SHEETS
ENTERED BY	J. RAMIREZ									
CHECKED BY	J. TAYLOR									
PROJ. ENGR.	S. GOLBEK									
REGIONAL ADM.	D. WHITEHOUSE			REVISION	DATE	BY				
DETOUR PLAN - STAGE 1A NO CROSSOVER										

T.21N R.11E. W.M.

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
ADW1 2459+04.81	8°16'47" RT	3022.00'	218.73'	436.70'	-
ADW1 2463+77.15	7°13'24" RT	4030.00'	254.37'	508.07'	-



LEGEND

	WORK AREA
	TEMPORARY OVERLAY - STAGING (PAVING LIMITS)
	NEW ROADWAY - STAGING (PAVING LIMITS)
	EXISTING GUARDRAIL
	EXISTING BARRIER
	BEAM GUARDRAIL TYPE 31
	TEMPORARY BARRIER
	BARRIER GAP
	EXISTING CULVERT
	QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

NOTES:

1. IN LOCATIONS WHERE HMA WIDTHS ARE SHOWN AS VARIES, THE HMA OVERLAY SHALL EXTEND OUT TO MATCH THE EXISTING EDGE OF HMA SHOULDERS.
2. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
3. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
4. SEE SHEETS TD1-1 TO TD1-3 FOR ADDITIONAL TEMPORARY DRAINAGE AND TESC NOT SHOWN.



BARRIER GAP NOTES:

PIN BARRIER BETWEEN GAPS WHEN LENGTH OF BARRIER BETWEEN GAPS IS 50' OR LESS.

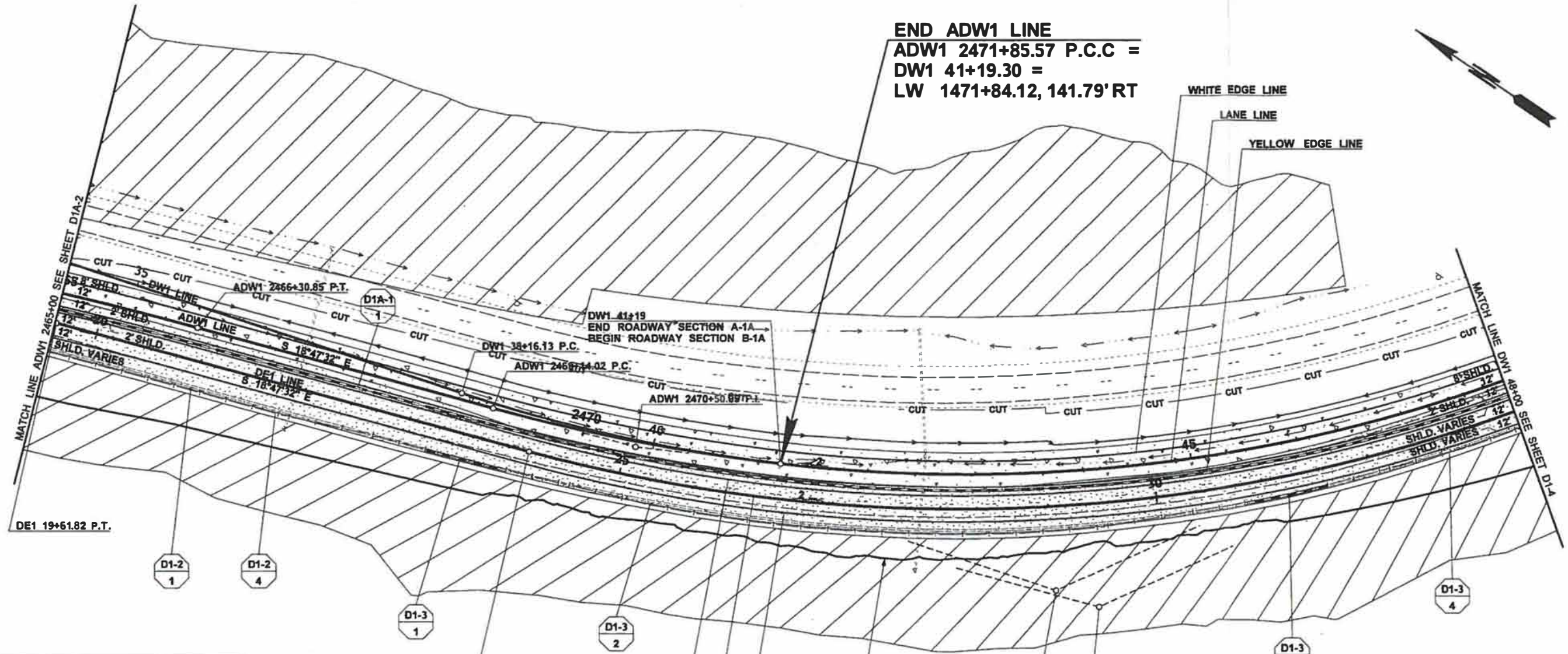
BARRIER GAP			
CODE	LOCATION	LT/RT	QTY (EACH)
D1-1.1	ADW1 2456+62	RT	2
D1-1.1	ADW1 2457+12	RT	2
D1-1.1	ADW1 2457+62	RT	2
D1-1.1	ADW1 2458+12	RT	2
D1-1.1	ADW1 2459+50	RT	2
D1-1.1	ADW1 2460+00	RT	2
D1-1.1	ADW1 2460+50	RT	2
D1-1.1	ADW1 2461+00	RT	2
D1-1.1	ADW1 2461+50	RT	2
D1-1.1	ADW1 2462+00	RT	2
D1-1.1	ADW1 2463+50	RT	2
D1-1.1	ADW1 2464+00	RT	2
D1-1.1	ADW1 2464+50	RT	2
D1-1.1	ADW1 2465+00	RT	2

FILE NAME	c:\pwworking\atl\paniclmc\d0215366\D1A-2 No Crossover.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			I-90	PLAN REF NO D1A-2
TIME	9:09:39 AM			10	WASH	LOCATION NO.				
DATE	6/29/2015			JOB NUMBER	14Y015		DATE	DATE	2A - ADD LANES/BUILD WILDLIFE BRIDGES	SHEET OF SHEETS
PLOTTED BY	paniclmc			CONTRACT NO.						
DESIGNED BY	J. BRANSON			REVISION	DATE	BY			DETOUR PLAN - STAGE 1A NO CROSSOVER	
ENTERED BY	J. RAMIREZ									
CHECKED BY	J. TAYLOR									
PROJ. ENGR.	S. GOLBEK									
REGIONAL ADM.	D. WHITEHOUSE									

T.21N R.11E. W.M.

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
DW1 43+96.51	42° 55'52" LT	1476'	580.39'	1105.95'	-
DE1 29+61.27	39° 48'20" LT	1510'	546.70'	1049.06'	-
ADW1 2470+50.05	8° 38'37" LT	1800'	135.03'	271.54'	-

END ADW1 LINE
 ADW1 2471+85.57 P.C.C =
 DW1 41+19.30 =
 LW 1471+84.12, 141.79' RT

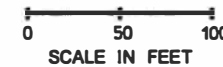


LEGEND

- WORK AREA
- TEMPORARY OVERLAY - STAGING (PAVING LIMITS)
- NEW ROADWAY - STAGING (PAVING LIMITS)
- EXISTING BARRIER
- BEAM GUARDRAIL TYPE 31
- TEMPORARY BARRIER
- BARRIER GAP
- EXISTING CULVERT
- QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

NOTES:

1. IN LOCATIONS WHERE HMA WIDTHS ARE SHOWN AS VARIES, THE HMA OVERLAY SHALL EXTEND OUT TO MATCH THE EXISTING EDGE OF HMA SHOULDERS.
2. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
3. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
4. SEE SHEETS TD1-1 TO TD1-3 FOR ADDITIONAL TEMPORARY DRAINAGE AND TESC NOT SHOWN.



BARRIER GAP NOTES:

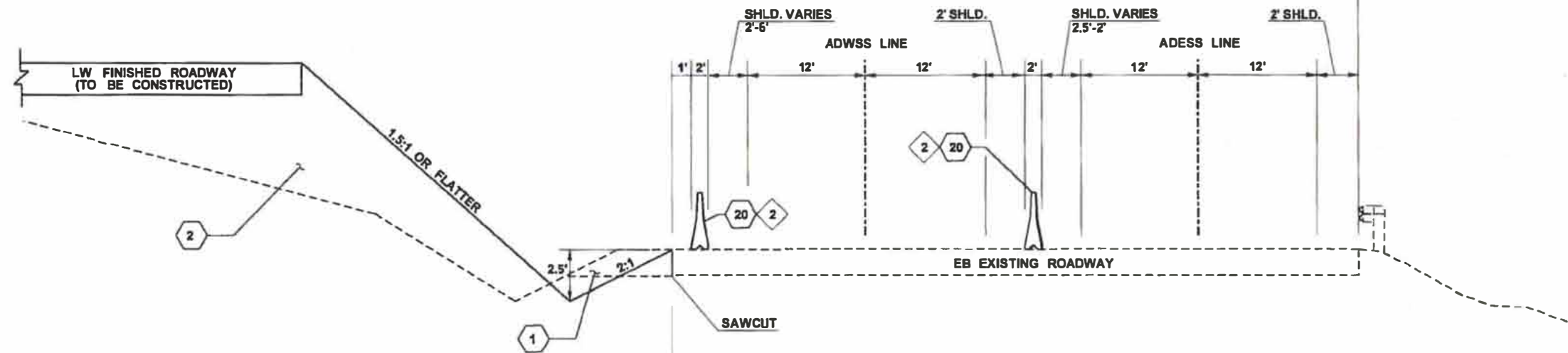
PIN BARRIER BETWEEN GAPS WHEN LENGTH OF BARRIER BETWEEN GAPS IS 50' OR LESS.

BARRIER GAP			
CODE	LOCATION	LT/RT	QTY (EACH)
D1-1	ADW1 2465+50	RT	2
D1-1	ADW1 2465+00	RT	2
D1-1	ADW1 2465+50	RT	2
D1-1	ADW1 2467+00	RT	2
D1-1	ADW1 2469+00	RT	2
D1-1	ADW1 2468+50	RT	2
D1-1	ADW1 2469+00	RT	2
D1-1	ADW1 2470+12	RT	2
D1-1	ADW1 2470+62	RT	2

FILE NAME	c:\pwworking\jnal\panickm\cd0215366\D1A-3 No Crossover.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES DETOUR PLAN - STAGE 1A NO CROSSOVER	PLAN REF NO
TIME	9:07:27 AM	CONTRACT NO.		10	WASH					D1A-3
DATE	6/25/2015	LOCATION NO.							SHEET	
PLOTTED BY	panickm								OF	
DESIGNED BY	J. BRANCH								SHEETS	
ENTERED BY	J. RAMIREZ									
CHECKED BY	J. TAYLOR									
PROJ. ENGR.	S. GOLBEK									
REGIONAL ADM.	D. WHITEHOUSE	REVISION		DATE	BY					

LEGEND

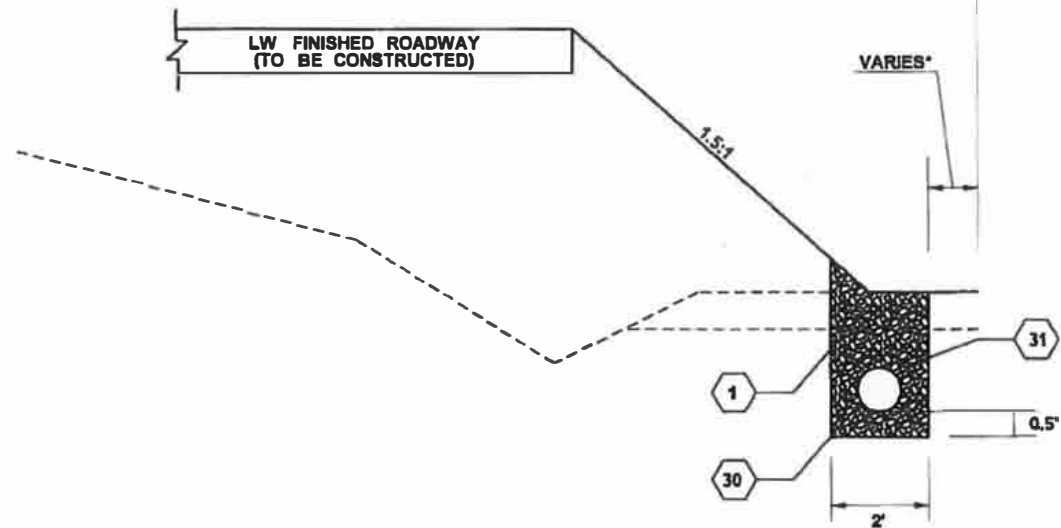
- 1 ROADWAY EXCAVATION INCL. HAUL
- 2 EMBANKMENT COMPACTION
- 20 TEMPORARY CONC. BARRIER
- 30 8 IN. PERFORATED PIPE
- 31 GRAVEL BACKFILL FOR DRAINS



ROADWAY SECTION A-1B

(NOT TO SCALE)

ADWSS 3478+95 TO ADWSS 3485+70



ADWSS 3480+50 TO ADWSS 3484+60

* ALIGN UNDERDRAIN WITH DITCH FLOW LINE AT EACH END.

GENERAL NOTES:

ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS.
SEE SHEETS D1B-1 FOR BARRIER LOCATIONS.

SEE SHEETS D1B-1 FOR VARIABLE WIDTH LOCATIONS.

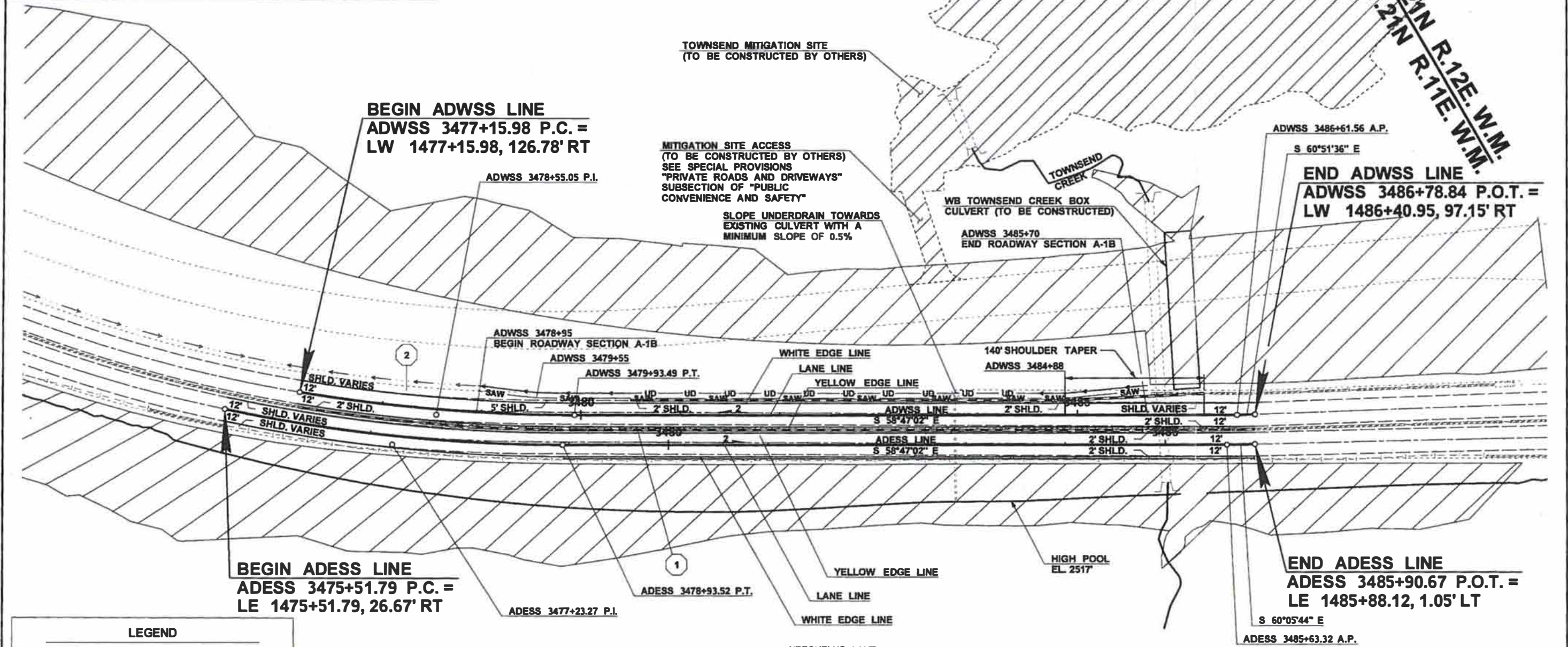
SEE TRAFFIC SEQUENCING SHEET TS1 FOR TYPICAL CONSTRUCTION.

CONSTRUCTION NOTES:

2 SEE QUANTITY TABULATION SHEETS FOR BARRIER TYPE AND LOCATION.

FILE NAME c:\pwworking\infalpanickmc\0215366\TR1B-1 Temp Roadway Sections - Stage 1B.dgn				REGION NO. STATE		FED.AID PROJ.NO.						I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES		PLAN REF NO	
TIME 1:14:48 PM		DATE 8/10/2015		10 WASH		JOB NUMBER 14Y015								TR1B-1	
PLOTTED BY panickmc				CONTRACT NO.		LOCATION NO.		DATE		SHEET		OF			
DESIGNED BY J. BRANCH				REVISION		DATE		BY		TEMP. ROADWAY SECTIONS - STAGE 1B		SHEETS			
ENTERED BY M. PANICK															
CHECKED BY A. SCHMIDTMAN															
PROJ. ENGR. S. GOLBEK															
REGIONAL ADM. D. WHITEHOUSE															

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
ADWSS 3478+55.05	9°21'11" LT	1700.00'	139.07'	277.51'	-
ADESS 3477+23.27	11°52'00" LT	1650.00'	171.48'	341.73'	-



T.21N R.12E. W.M.
T.21N R.11E. W.M.

LEGEND

- WORK AREA
- EXISTING BARRIER
- BEAM GUARDRAIL TYPE 31
- TEMPORARY BARRIER
- BARRIER GAP
- TEMPORARY IMPACT ATTENUATOR
- SIGN LOCATION
- BOX CULVERT
- EXISTING CULVERT
- QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

- NOTES:**
1. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
 2. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
 3. SEE SHEETS TD1-3 TO TD1-4 FOR ADDITIONAL TEMPORARY DRAINAGE AND TESC NOT SHOWN.

BARRIER GAP				
CODE	LOCATION	LT/RT	QTY (EACH)	
D1B-1	1	ADWSS 3478+35	RT	2
D1B-1	1	ADWSS 3478+85	RT	2
D1B-1	1	ADWSS 3479+35	RT	2
D1B-1	1	ADWSS 3479+85	RT	2
D1B-1	1	ADWSS 3480+35	RT	2
D1B-1	2	ADWSS 3482+00	LT	1
D1B-1	1	ADWSS 3482+35	RT	2
D1B-1	2	ADWSS 3482+62	LT	1
D1B-1	2	ADWSS 3483+25	LT	1
D1B-1	2	ADWSS 3483+88	LT	1
D1B-1	1	ADWSS 3484+35	RT	2
D1B-1	2	ADWSS 3484+50	LT	1
D1B-1	2	ADWSS 3485+12	LT	1

BARRIER GAP NOTES:
PIN BARRIER BETWEEN GAPS WHEN LENGTH OF BARRIER BETWEEN GAPS IS 50' OR LESS.



FILE NAME	c:\pwworking\infbranch\pld0215366\D1B-1 Summer Squares.dgn		
TIME	11:22:03 AM		
DATE	6/25/2015		
PLOTTED BY	branchjp		
DESIGNED BY	J. BRANCH		
ENTERED BY	J. RAMIREZ		
CHECKED BY	J. TAYLOR		
PROJ. ENGR.	S. GOLBEK		
REGIONAL ADM.	D. WHITEHOUSE		
REVISION	DATE	BY	
REGION NO.	STATE	FED.AID PROJ.NO.	
10	WASH		
JOB NUMBER	CONTRACT NO.	LOCATION NO.	
14Y015			



I-90	PLAN REF NO
KEECHELUS DAM TO STAMPEDE PASS PHASE	D1B-1
2A - ADD LANES/BUILD WILDLIFE BRIDGES	SHEET
	OF
DETOUR PLAN - STAGE 1B	DATE
SUMMER SQUARES	

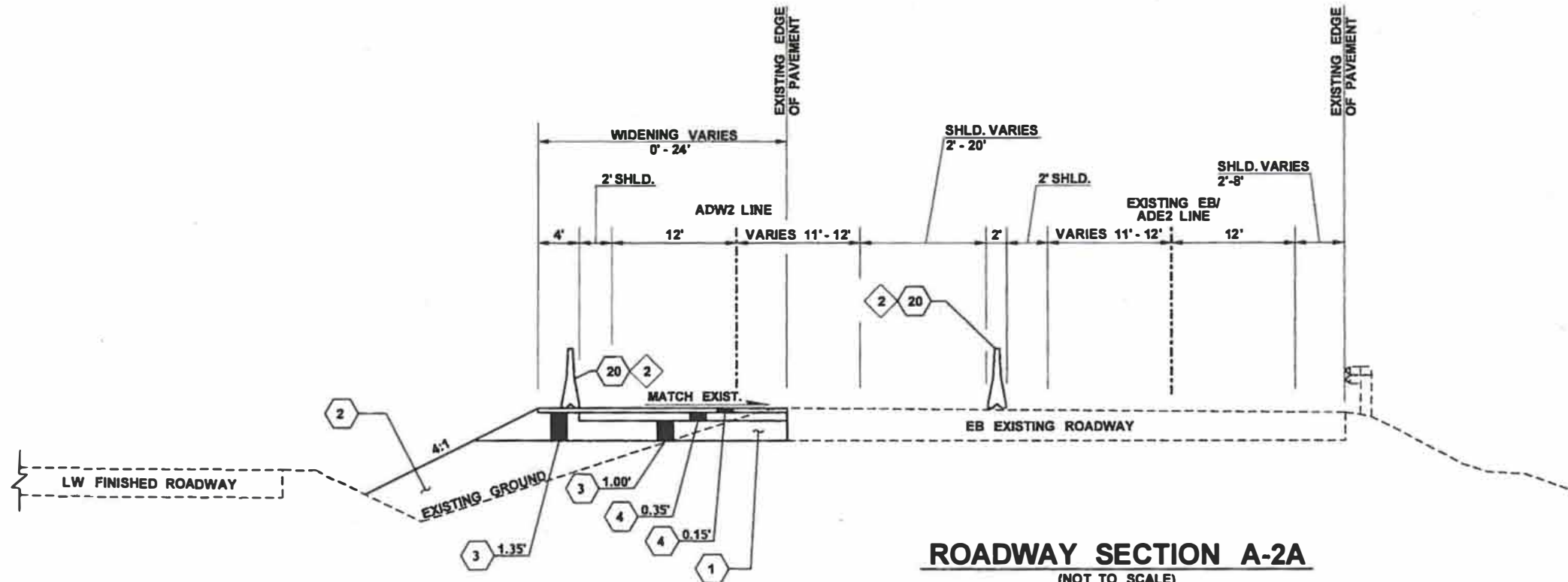
LEGEND

- 1 ROADWAY EXCAVATION INCL HAUL
- 2 EMBANKMENT COMPACTION
- 3 CRUSHED SURFACING BASE COURSE
- 4 HMA CL. 3/8 IN. PG 64-28
- 20 TEMPORARY CONC. BARRIER

GENERAL NOTES:
 ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS.
 SEE SHEETS D2A-1 TO D2A-5 FOR BARRIER LOCATIONS.
 SEE SHEETS D2A-1 TO D2A-5 FOR VARIABLE WIDTH LOCATIONS.
 SEE TRAFFIC SEQUENCING SHEET TS2 FOR TYPICAL CONSTRUCTION.

CONSTRUCTION NOTES:

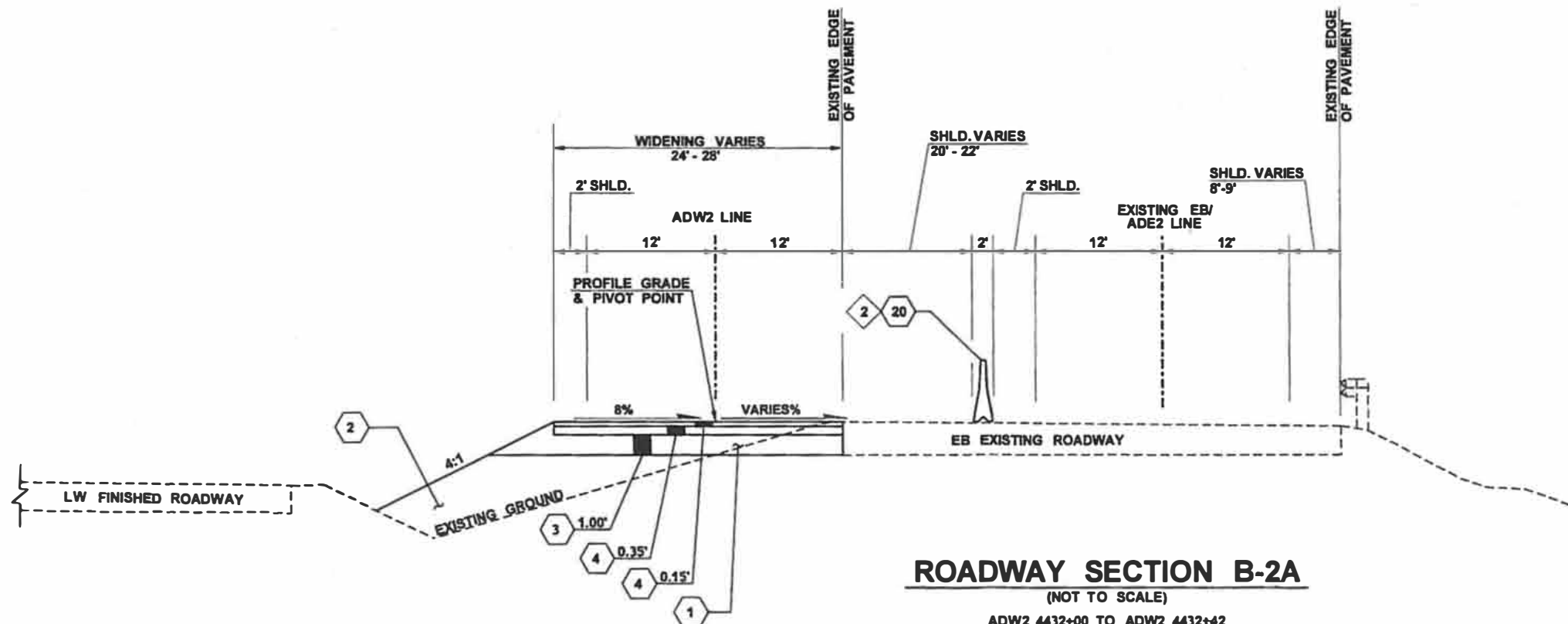
- 2 SEE QUANTITY TABULATION SHEETS FOR BARRIER TYPE AND LOCATION.



ROADWAY SECTION A-2A

(NOT TO SCALE)

ADW2 4428+44 TO ADW2 4432+00



ROADWAY SECTION B-2A

(NOT TO SCALE)

ADW2 4432+00 TO ADW2 4432+42

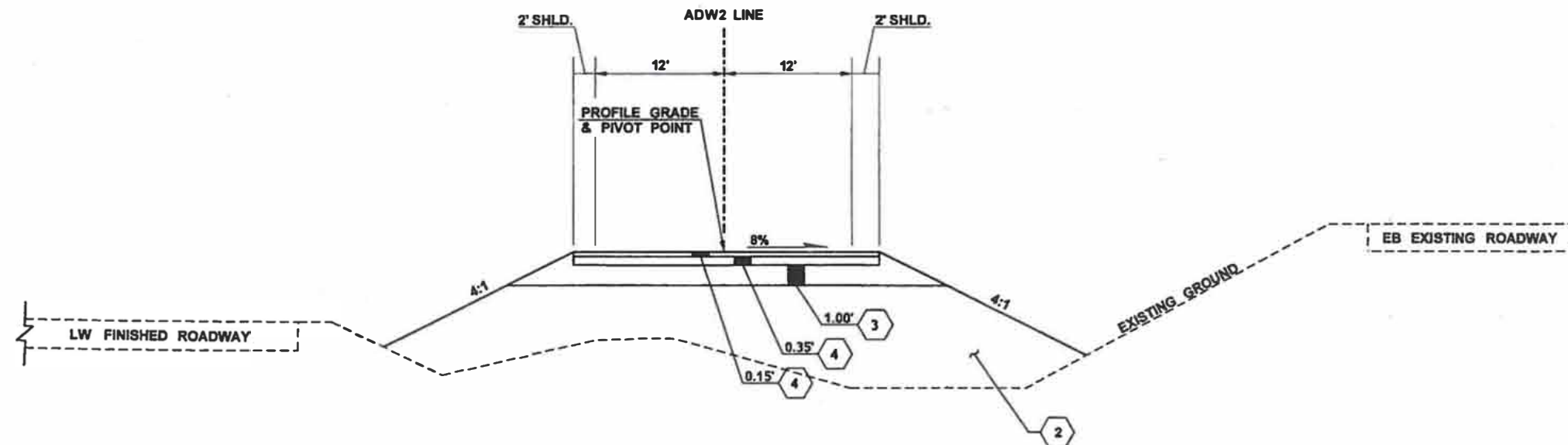
FILE NAME	c:\pwworking\linalbranch\pld0215366\TR2A-1 Temp Roadway Sections - Stage 2A.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES	PLAN REF NO TR2A-1
TIME	2:34:06 PM			10	WASH					
DATE	6/2/2015			JOB NUMBER			DATE 6/25/15	DATE	SHEET OF SHEETS	
PLOTTED BY	branchjp			CONTRACT NO.						
DESIGNED BY	J. BRANCH			LOCATION NO.						
ENTERED BY	J. RAMIREZ									
CHECKED BY	J. TAYLOR									
PROJ. ENGR.	S. GOLBEK									
REGIONAL ADM.	D. WHITEHOUSE			REVISION	DATE	BY				

LEGEND

- ① ROADWAY EXCAVATION INCL HAUL
- ② EMBANKMENT COMPACTION
- ③ CRUSHED SURFACING BASE COURSE
- ④ HMA CL. 3/8 IN. PG 64-28
- ②① TEMPORARY CONC. BARRIER

GENERAL NOTES:
 ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS.
 SEE SHEETS D2A-1 TO D2A-6 FOR BARRIER LOCATIONS.
 SEE SHEETS D2A-1 TO D2A-6 FOR VARIABLE WIDTH LOCATIONS.
 SEE TRAFFIC SEQUENCING SHEET TS2 FOR TYPICAL CONSTRUCTION.

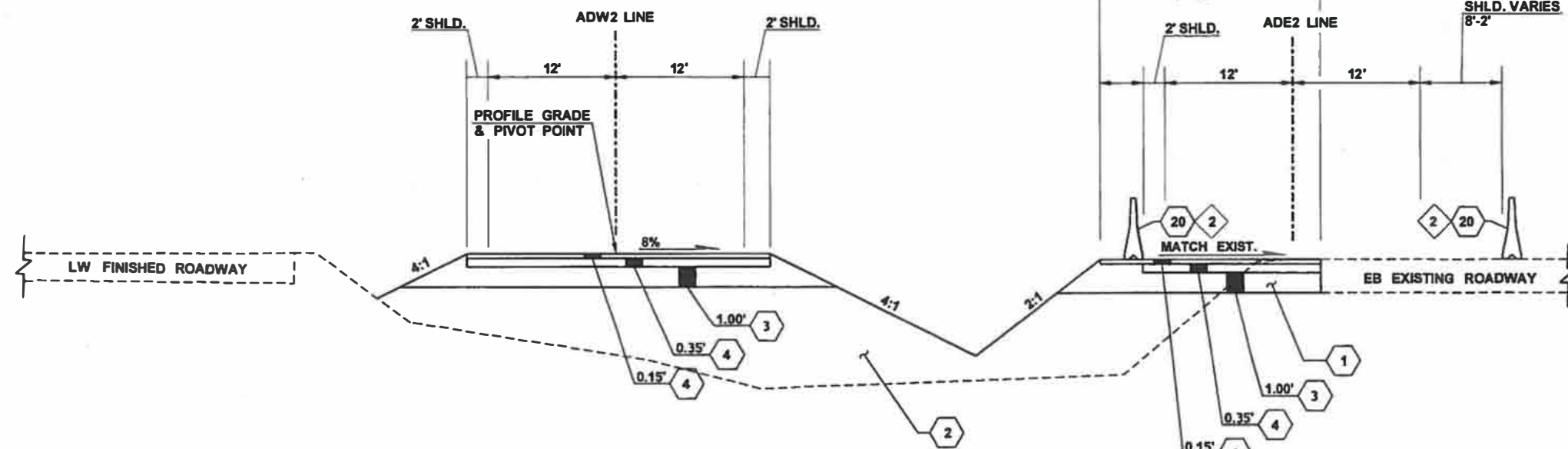
CONSTRUCTION NOTES:
 ② SEE QUANTITY TABULATION SHEETS FOR BARRIER TYPE AND LOCATION.



ROADWAY SECTION C-2A

(NOT TO SCALE)

ADW2 4432+42 TO ADW2 4435+25



ROADWAY SECTION D-2A

(NOT TO SCALE)

ADW2 4435+25 TO ADW2 4436+38

ROADWAY SECTION E-2A

(NOT TO SCALE)

ADE2 4435+59 TO ADE2 4438+87

FILE NAME c:\pwworking\inf\branch\pld0215366\TR2A-2_Temp Roadway Sections - Stage 2A.dgn

TIME 8:19:25 AM
 DATE 6/5/2015
 PLOTTED BY branchjp
 DESIGNED BY J. BRANCH
 ENTERED BY J. RAMIREZ
 CHECKED BY J. TAYLOR
 PROJ. ENGR. S. GOLBEK
 REGIONAL ADM. D. WHITEHOUSE

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	CONTRACT NO.	LOCATION NO.
14Y015		
REVISION	DATE	BY



I-90
 KEECHELUS DAM TO STAMPEDE PASS PHASE
 2A - ADD LANES/BUILD WILDLIFE BRIDGES
 TEMP. ROADWAY SECTIONS - STAGE 2A

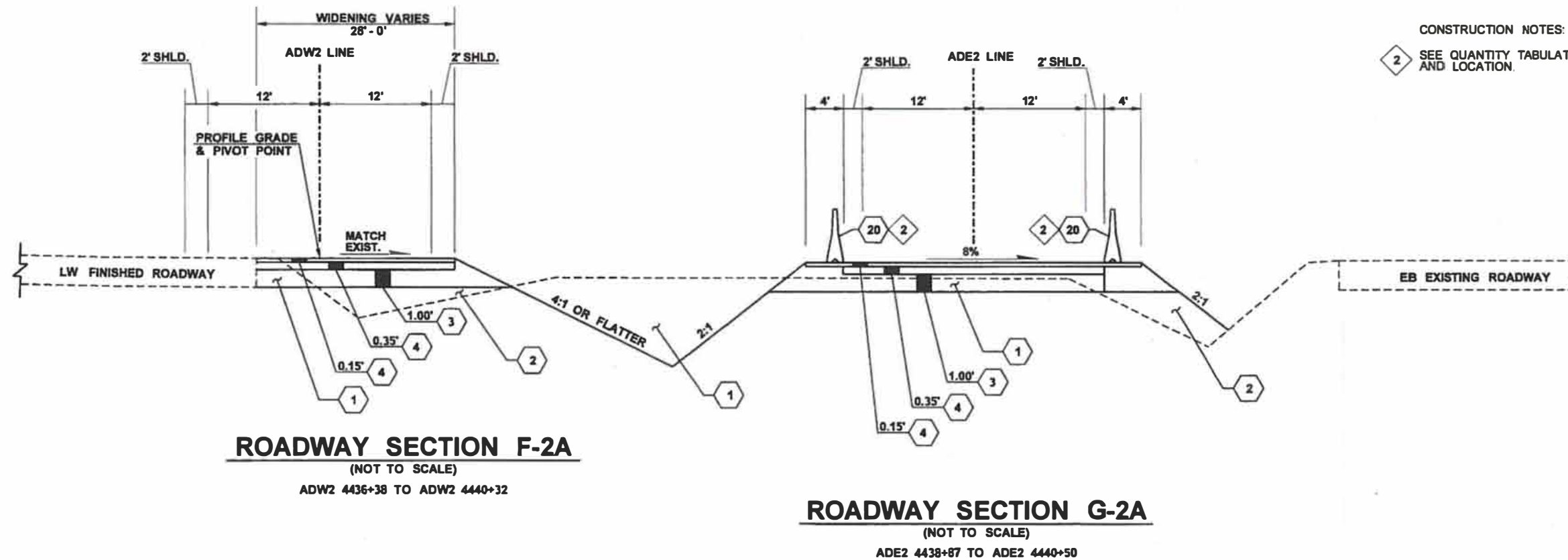
PLAN REF NO
 TR2A-2
 SHEET
 OF
 SHEETS

LEGEND

- 1 ROADWAY EXCAVATION INCL. HAUL
- 2 EMBANKMENT COMPACTION
- 3 CRUSHED SURFACING BASE COURSE
- 4 HMA CL. 3/8 IN. PG 64-28
- 20 TEMPORARY CONC. BARRIER

GENERAL NOTES:
 ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS.
 SEE SHEETS D2A-1 TO D2A-6 FOR BARRIER LOCATIONS.
 SEE SHEETS D2A-1 TO D2A-6 FOR VARIABLE WIDTH LOCATIONS.
 SEE TRAFFIC SEQUENCING SHEET TS2 FOR TYPICAL CONSTRUCTION.

CONSTRUCTION NOTES:
 2 SEE QUANTITY TABULATION SHEETS FOR BARRIER TYPE AND LOCATION.



ROADWAY SECTION F-2A
 (NOT TO SCALE)
 ADW2 4436+38 TO ADW2 4440+32

ROADWAY SECTION G-2A
 (NOT TO SCALE)
 ADE2 4438+87 TO ADE2 4440+50

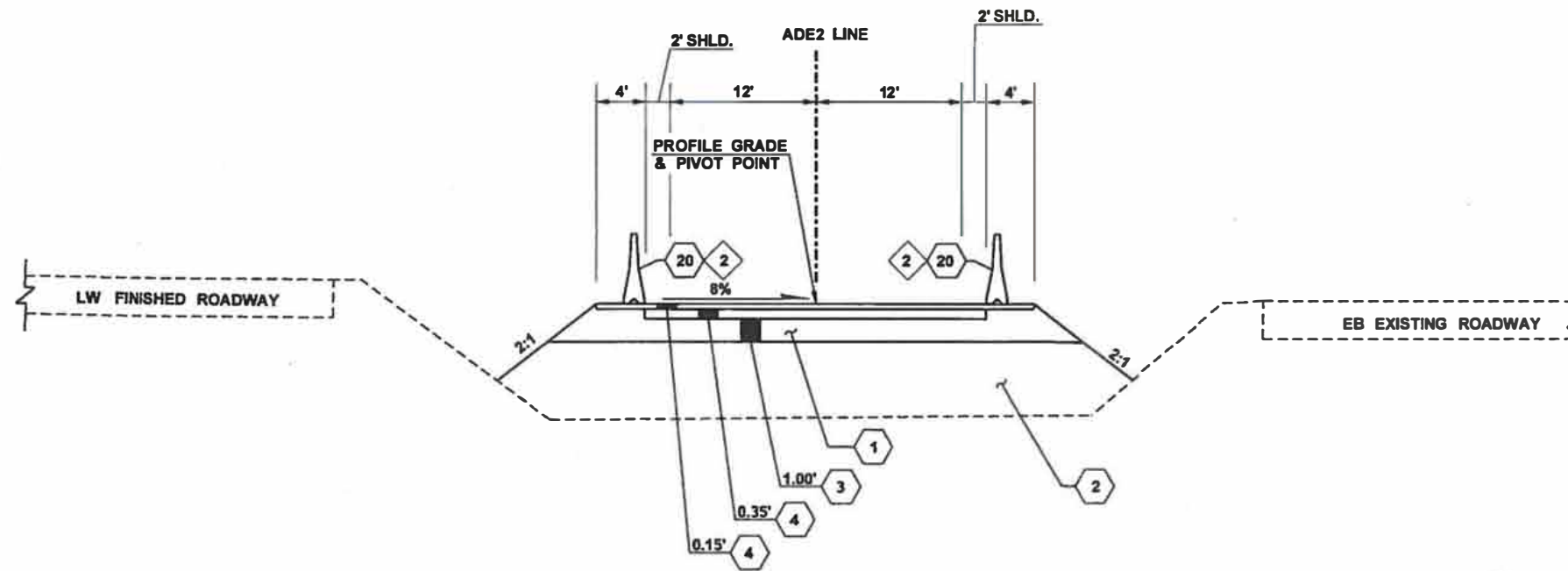
FILE NAME	c:\pwworking\l\branch\pld0215366\TR2A-3 Temp Roadway Sections - Stage 2A.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES TEMP. ROADWAY SECTIONS - STAGE 2A	PLAN REF NO.
TIME	2:34:10 PM			10	WASH					TR2A-3
DATE	6/2/2015			JOB NUMBER	14Y015					SHEET
PLOTTED BY	branchjp			CONTRACT NO.						OF
DESIGNED BY	J. BRANCH			LOCATION NO.			SHEETS			
ENTERED BY	J. RAMIREZ									
CHECKED BY	J. TAYLOR									
PROJ. ENGR.	S. GOLBEK									
REGIONAL ADM.	D. WHITEHOUSE			REVISION	DATE	BY				

LEGEND

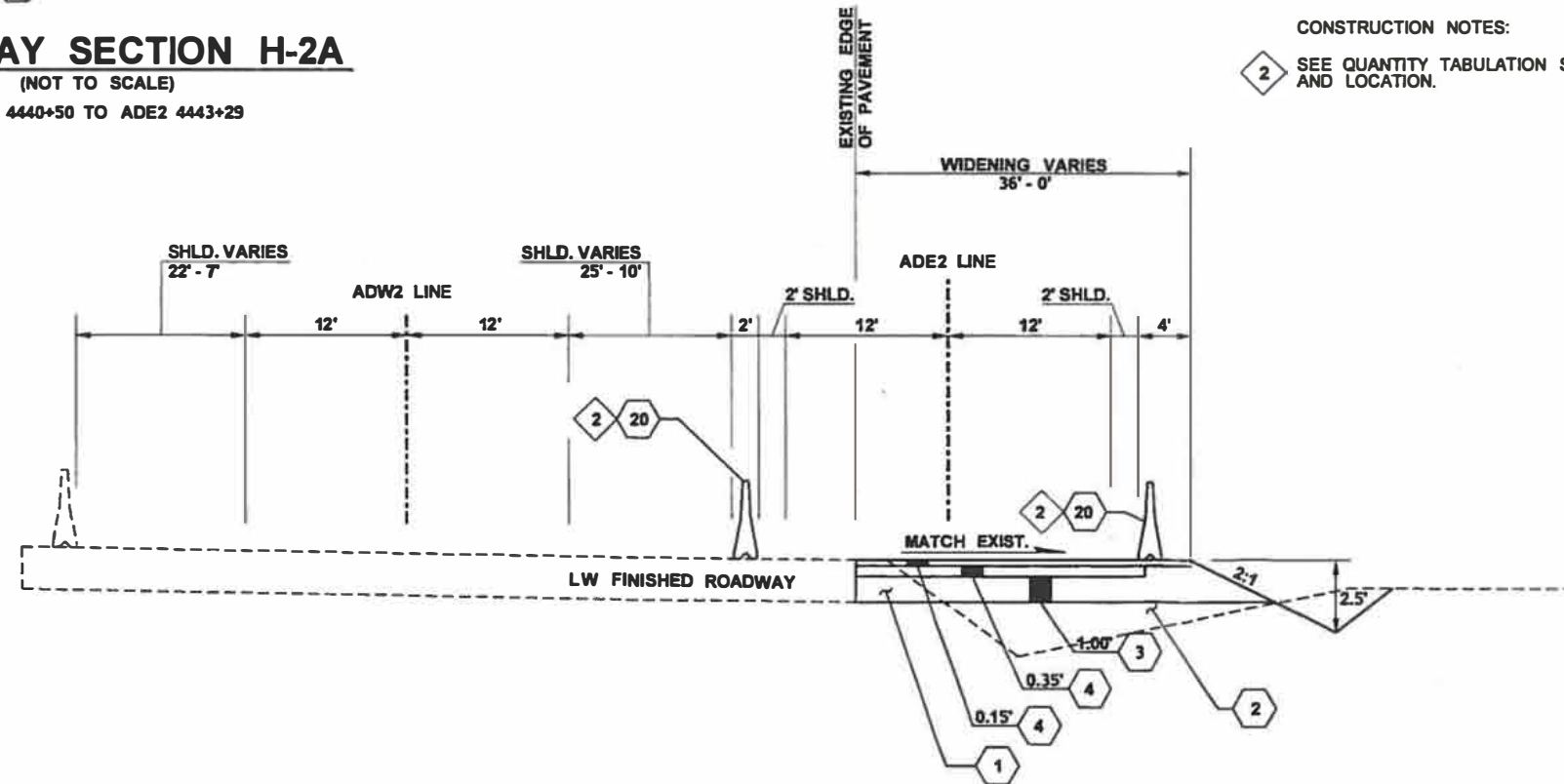
- 1 ROADWAY EXCAVATION INCL. HAUL
- 2 EMBANKMENT COMPACTION
- 3 CRUSHED SURFACING BASE COURSE
- 4 HMA CL. 3/8 IN. PG 64-28
- 20 TEMPORARY CONC. BARRIER

GENERAL NOTES:
 ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS.
 SEE SHEETS D2A-1 TO D2A-6 FOR BARRIER LOCATIONS.
 SEE SHEETS D2A-1 TO D2A-6 FOR VARIABLE WIDTH LOCATIONS.
 SEE TRAFFIC SEQUENCING SHEET TS2 FOR TYPICAL CONSTRUCTION.

CONSTRUCTION NOTES:
 2 SEE QUANTITY TABULATION SHEETS FOR BARRIER TYPE AND LOCATION.

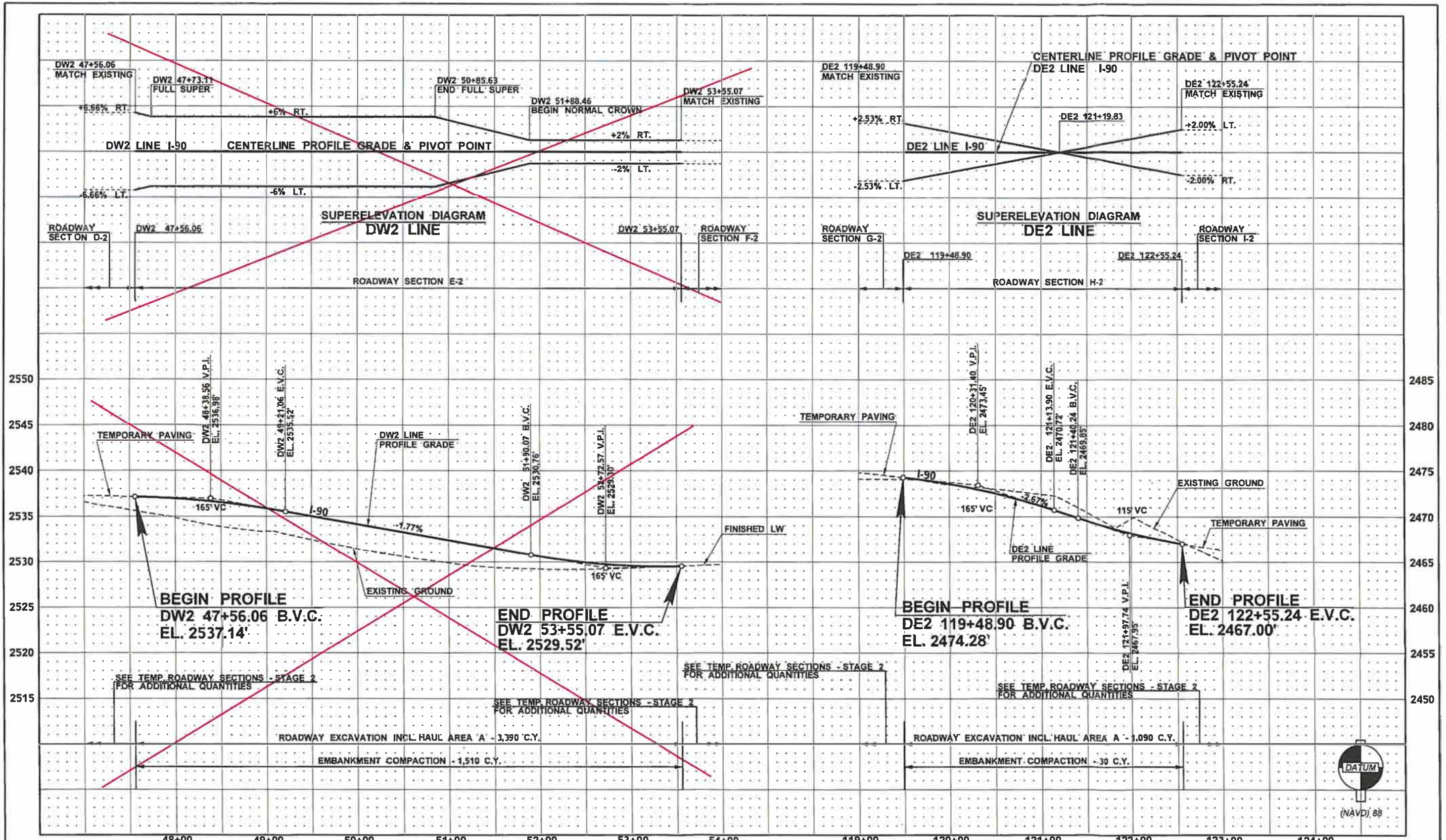


ROADWAY SECTION H-2A
 (NOT TO SCALE)
 ADE2 4440+50 TO ADE2 4443+29

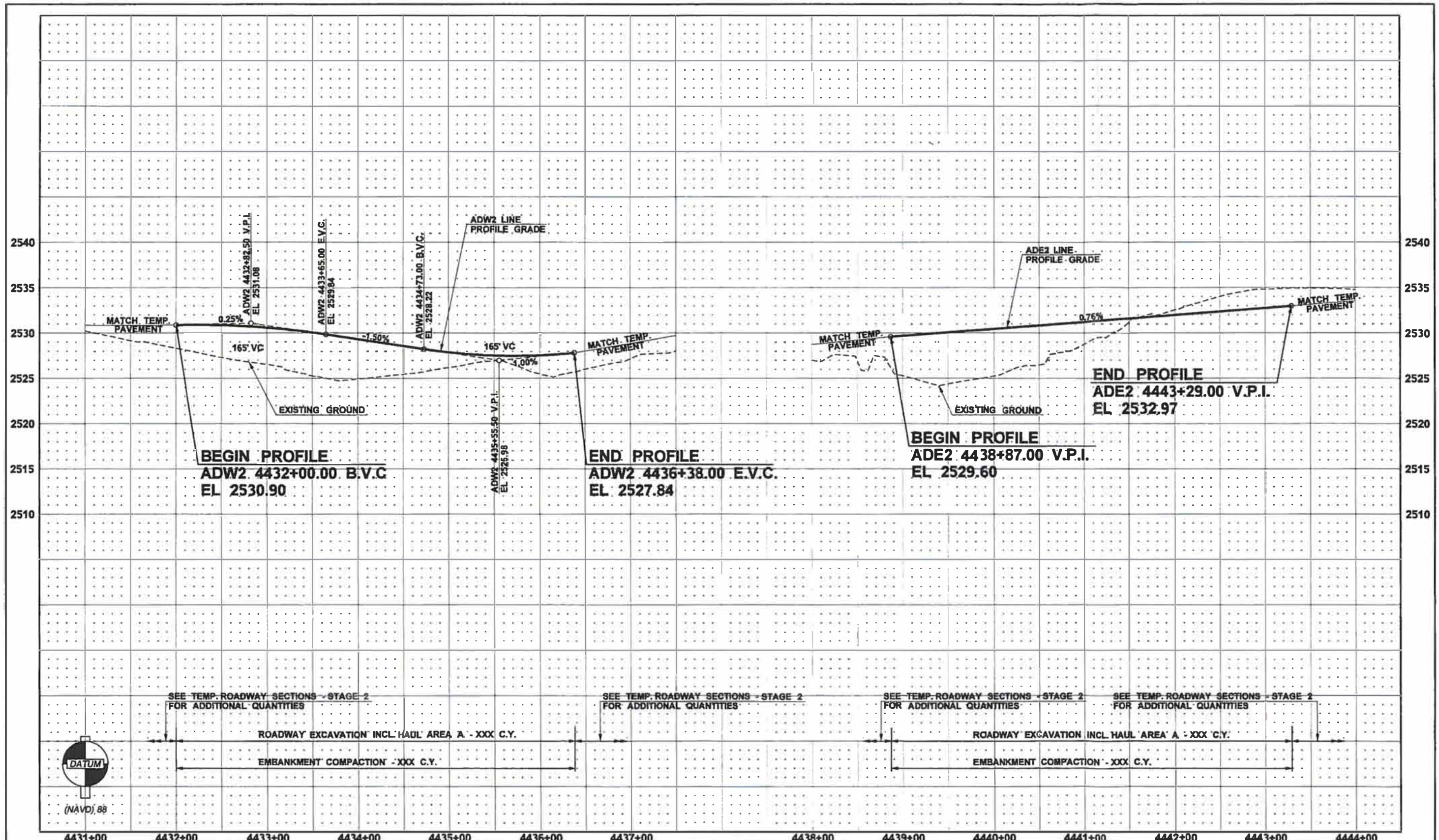


ROADWAY SECTION I-2A
 (NOT TO SCALE)
 ADE2 4443+29 TO ADE2 4446+32

FILE NAME c:\pwworking\inf\branch\pld0215366\TR2A-4 Temp Roadway Sections - Stage 2A.dgn				FED.AID PROJ.NO.				I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES TEMP. ROADWAY SECTIONS - STAGE 2A	PLAN REF NO
TIME 8:37:33 AM	DATE 6/22/2015	REGION NO. 10	STATE WASH	CONTRACT NO.	LOCATION NO.				DATE
PLOTTED BY branchjp	DESIGNED BY J. BRANCH	ENTERED BY J. RAMIREZ	CHECKED BY J. TAYLOR	PROJ. ENGR. S. GOLBEK	REGIONAL ADM. D. WHITEHOUSE	REVISION	DATE	BY	SHEET OF SHEETS




FILE NAME	K:\452201\XL4134 2A\CAD\ContractPlans_Alt070-StagingPlan\XL4134 PS PR SU Stage2.dgn	REGION NO.	10	STATE	WASH	FED. AID PROJ. NO.				I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES PROFILE & SUPERELEVATION STAGE - 2	Plot 1 PLAN REF. NO. TPS2-1 SHEET 86 OF 788 SHEETS
TIME	11:52:22 AM	JOB NUMBER	14Y015	CONTRACT NO.		LOCATION NO.					



FILE NAME	c:\pwworking\branch\pld0215366\TPS2-1_ADW2 & ADE2 Profile.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES PROFILE & SUPERELEVATION STAGE 2A	PLAN REF. NO.	TPS2-1	
TIME	2:34:14 PM			10	WASH	JOB NUMBER				14Y015	SHEET	
DATE	6/2/2015			CONTRACT NO.		LOCATION NO.					OF	
DESIGNED BY	branchjp										OF	
ENTERED BY	J. RAMIREZ											
CHECKED BY	J. TAYLOR											
PROJ. ENGR.	S. GOLBEK											
REGIONAL ADM.	D. WHITEHOUSE											
REVISION		DATE	BY									

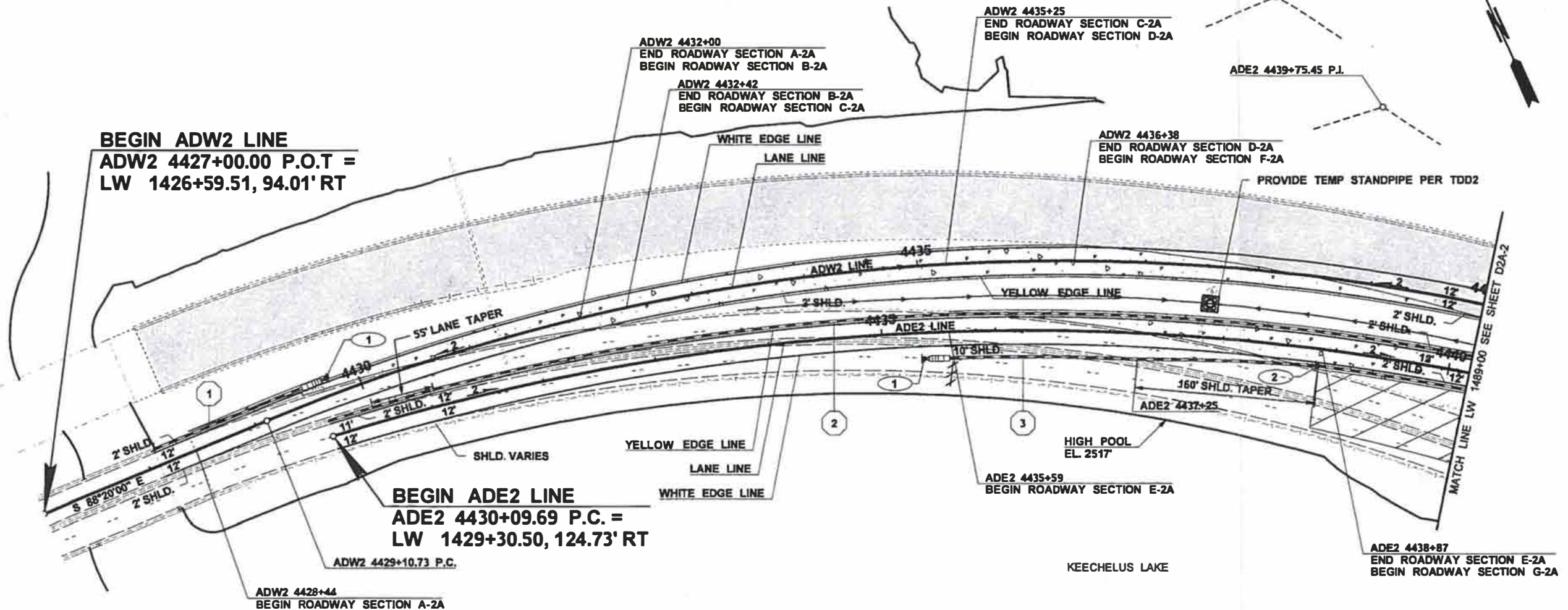
QUANTITY TABULATION - STAGE 2A

CODE	LOCATION & UNIT OF MEASURE	REMOVING CONC. BARRIER*	REMOVING GUARDRAIL*	REMOVING GUARDRAIL ANCHOR*	BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST*	WEATHERING ST. BEAM GUARDRAIL TYPE 31*	BEAM GUARDRAIL TYPE 31	BEAM GUARDRAIL TRANSITION SECTION TYPE 21*	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	BEAM GUARDRAIL ANCHOR TYPE 10	BARRIER GAP*	TEMPORARY CONC. BARRIER*	TEMPORARY IMPACT ATTENUATOR	SEE GENERAL NOTES	GENERAL NOTES:	
	ADW2 4428+10 - DW2 69+00 ADE2 4430+09.69 - DE2 69+16.53															1. TEMPORARY IMPACT ATTENUATOR SHALL BE ONE OF THE FOLLOWING: ABSORB 350, TRITON CET, OR TRACC AND SHALL INCLUDE SIGN W12-501. 2. SEE SHEET TDE3 FOR TEMPORARY GLARE SCREEN DETAIL. SEE SPECIAL PROVISION "CONCRETE BARRIER." 3. SEE SHEET TDE-4 FOR TEMP. CONC. BARRIER DETAIL. 4. SEE SPECIAL PROVISION "GUIDE POSTS." * THIS ITEM APPEARS ON MULTIPLE QUANTITY TABULATION OR STRUCTURE NOTE SHEETS. SEE SHEETS SNQT1 - SNQT2 FOR PROJECT TOTALS.
D2A-1 1	ADW2 4428+10 (14' LT) - ADW2 4429+50 (14' LT)											140		2, 3, 4		
D2A-1 2	ADE2 4430+09.69 (13' LT) - DE2 69+16.53 (14' LT)										108	6023		2, 3, 4		
D2A-1 3	ADE2 4435+59 (22' RT) - LW 1476+50 (28' RT)										11	4026		2, 3, 4		
SHEET TOTAL												119	10189			

DESIGNED BY	J. BRANCH	REGION NO.	10	STATE	WASH	FED. AID PROJ. NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES / BUILD WILDLIFE BRIDGES	QS2A- 1 SHEET OF SHEETS
ENTERED BY	M. PANICK	JOB NUMBER		14Y015					Washington State Department of Transportation	QUANTITY TABULATION - STAGE 2A
CHECKED BY	A. SCHMIDTMAN	CONTRACT NO.								
PROJ. ENGR.	S. GOLBEK	DATE	DATE	REVISION	BY					
REGION ADM.	D. WHITEHOUSE									

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
ADW2 4438+72.77	56°14'47" RT	1800.00'	962.05'	1767.03'	-
ADE2 4439+75.45	50°51'20" RT	2031.36'	965.76'	1803.02'	-

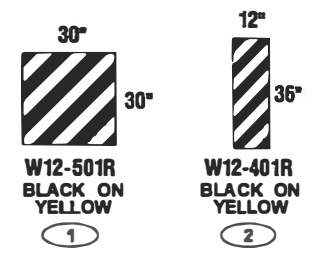
T.21N R.11E. W.M.



LEGEND

	WORK AREA
	NEW ROADWAY - STAGING (PAVING LIMITS)
	FINISHED ROADWAY (PAVING LIMITS)
	EXISTING BARRIER
	EXISTING GUARDRAIL
	EXISTING TEMPORARY BARRIER
	TEMPORARY BARRIER
	TEMPORARY IMPACT ATTENUATOR
	SIGN LOCATION
	TYPE 3 BARRICADE
	QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

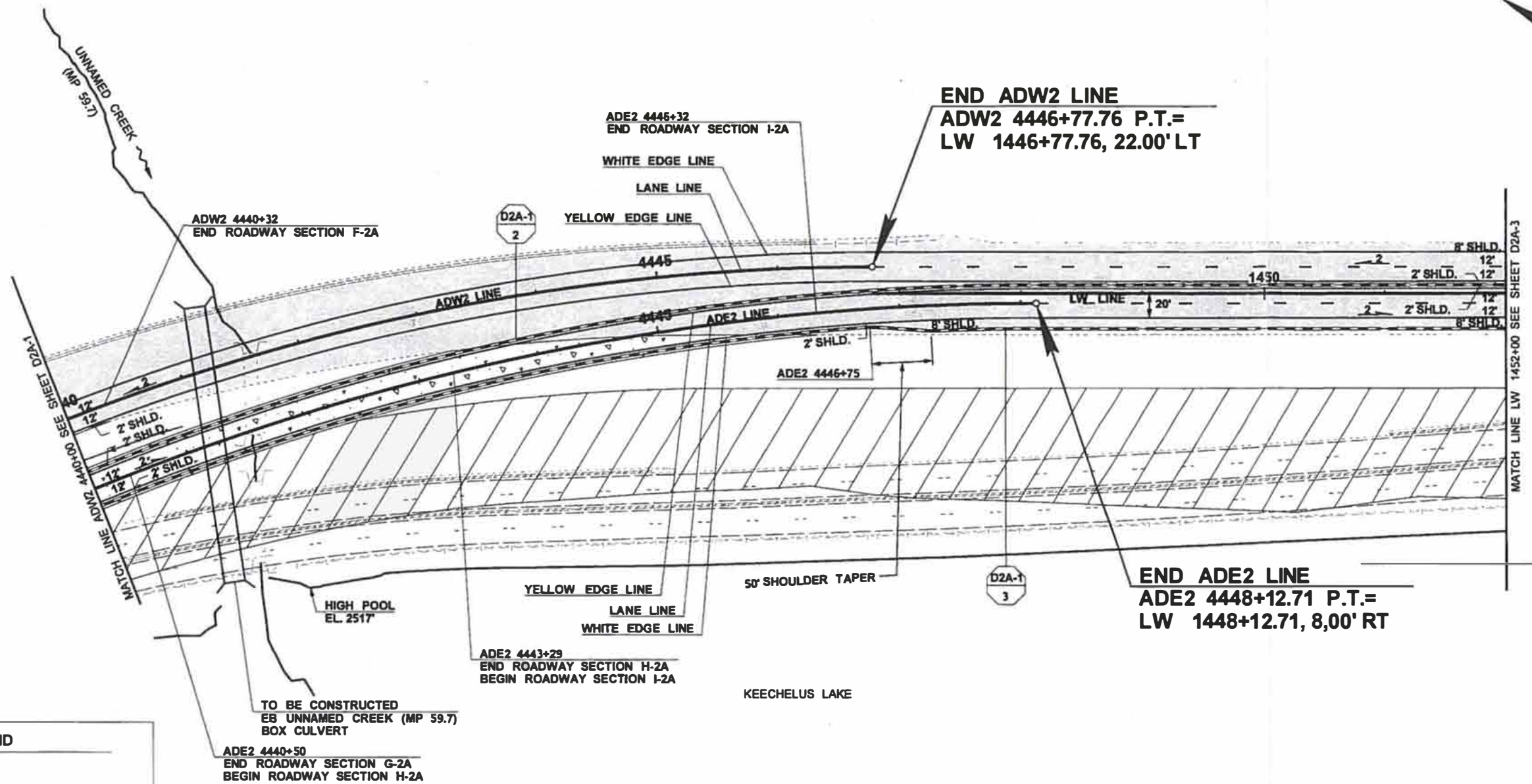
- NOTES:**
1. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
 2. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
 3. EXISTING BARRIER IN FINISHED ROADWAY AREAS ARE PERMANENT. SEE PAVEMENT MARKING PLANS FOR MORE INFORMATION.



FILE NAME	c:\pwworking\jnal\branch\pld0215366\D2A-1_Stage2.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES	PLAN REF NO.
TIME	12:05:47 PM			10	WASH					D2A-1
DATE	6/25/2015			JOB NUMBER	14Y015					SHEET
PLOTTED BY	branchjp			CONTRACT NO.						OF
DESIGNED BY	J. BRANCH			LOCATION NO.						SHEETS
ENTERED BY	J. RAMIREZ									
CHECKED BY	J. TAYLOR									
PROJ. ENGR.	S. GOLBEK									
REGIONAL ADM.	D. WHITEHOUSE			REVISION	DATE	BY				

DETOUR PLAN - STAGE 2A

T.21N R.11E. W.M.



LEGEND

- WORK AREA
- NEW ROADWAY - STAGING (PAVING LIMITS)
- FINISHED ROADWAY (PAVING LIMITS)
- EXISTING BARRIER
- EXISTING GUARDRAIL
- EXISTING TEMPORARY BARRIER
- TEMPORARY BARRIER
- BARRIER GAP
- BOX CULVERT
- EXISTING CULVERT
- QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

NOTES:

1. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
2. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
3. EXISTING BARRIER IN FINISHED ROADWAY AREAS ARE PERMANENT. SEE PAVEMENT MARKING PLANS FOR MORE INFORMATION.

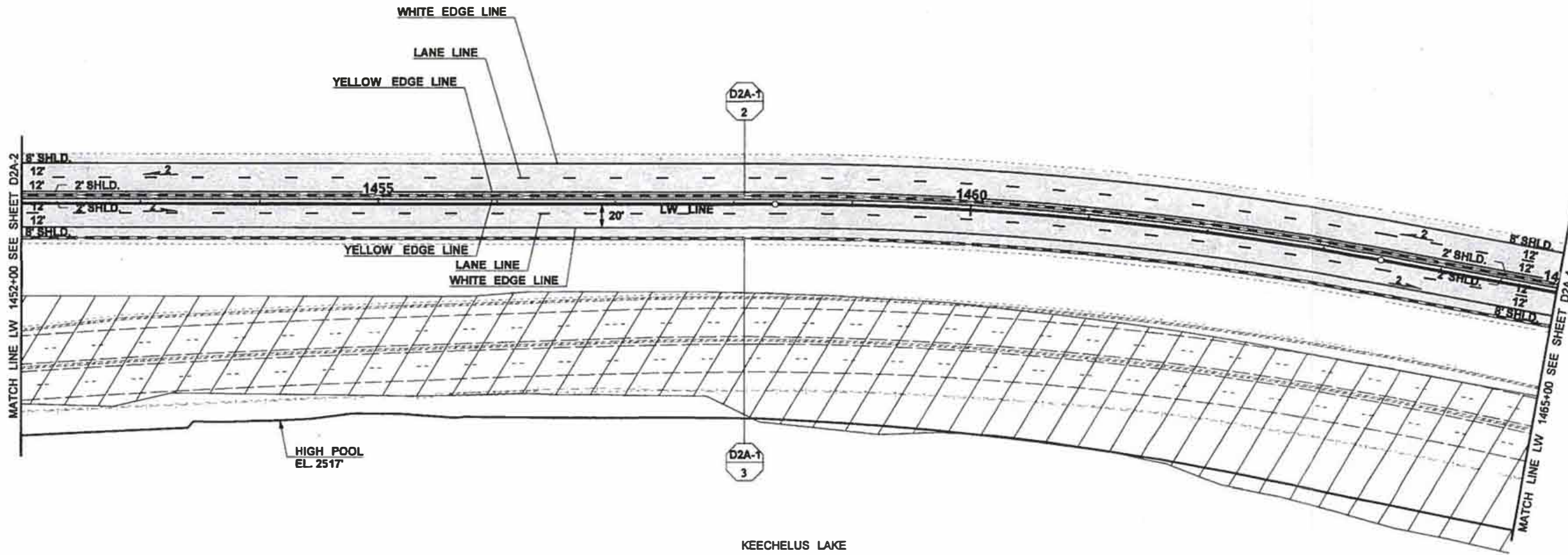


BARRIER GAP				
CODE	LOCATION	LT/RT	QTY (EACH)	
D2A-1 2	LW 1447+50	LT	2	
D2A-1 2	LW 1448+12	LT	2	
D2A-1 2	LW 1448+75	LT	2	
D2A-1 3	LW 1449+00	RT	1	
D2A-1 2	LW 1449+38	LT	2	
D2A-1 2	LW 1450+00	LT	2	
D2A-1 3	LW 1450+00	RT	1	
D2A-1 2	LW 1450+62	LT	2	
D2A-1 3	LW 1451+00	RT	1	
D2A-1 2	LW 1451+25	LT	2	
D2A-1 2	LW 1451+88	LT	2	
D2A-1 3	LW 1451+88	RT	1	

BARRIER GAP NOTES:
PIN BARRIER BETWEEN GAPS WHEN LENGTH OF BARRIER BETWEEN GAPS IS 50' OR LESS

FILE NAME: c:\pwworking\inf\branch\pld0215366\D2A-2_Stage2.dgn		TIME: 12:05:50 PM		DATE: 6/25/2015		PLOTTED BY: branchjp		DESIGNED BY: J. BRANCH		ENTERED BY: J. RAMIREZ		CHECKED BY: J. TAYLOR		PROJ. ENGR.: S. GOLBEK		REGIONAL ADM.: D. WHITEHOUSE			
REVISION		DATE		BY		REGION NO. STATE 10 WASH		FED.AID PROJ.NO. JOB NUMBER 14Y015		CONTRACT NO. LOCATION NO.						I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES DETOUR PLAN - STAGE 2A		PLAN REF NO D2A-2 SHEET OF SHEETS	

T.21N R.11E. W.M.

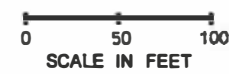


KEECHELUS LAKE

LEGEND

- WORK AREA
- FINISHED ROADWAY (PAVING LIMITS)
- EXISTING TEMPORARY BARRIER
- TEMPORARY BARRIER
- BARRIER GAP
- QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

- NOTES:**
1. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
 2. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.

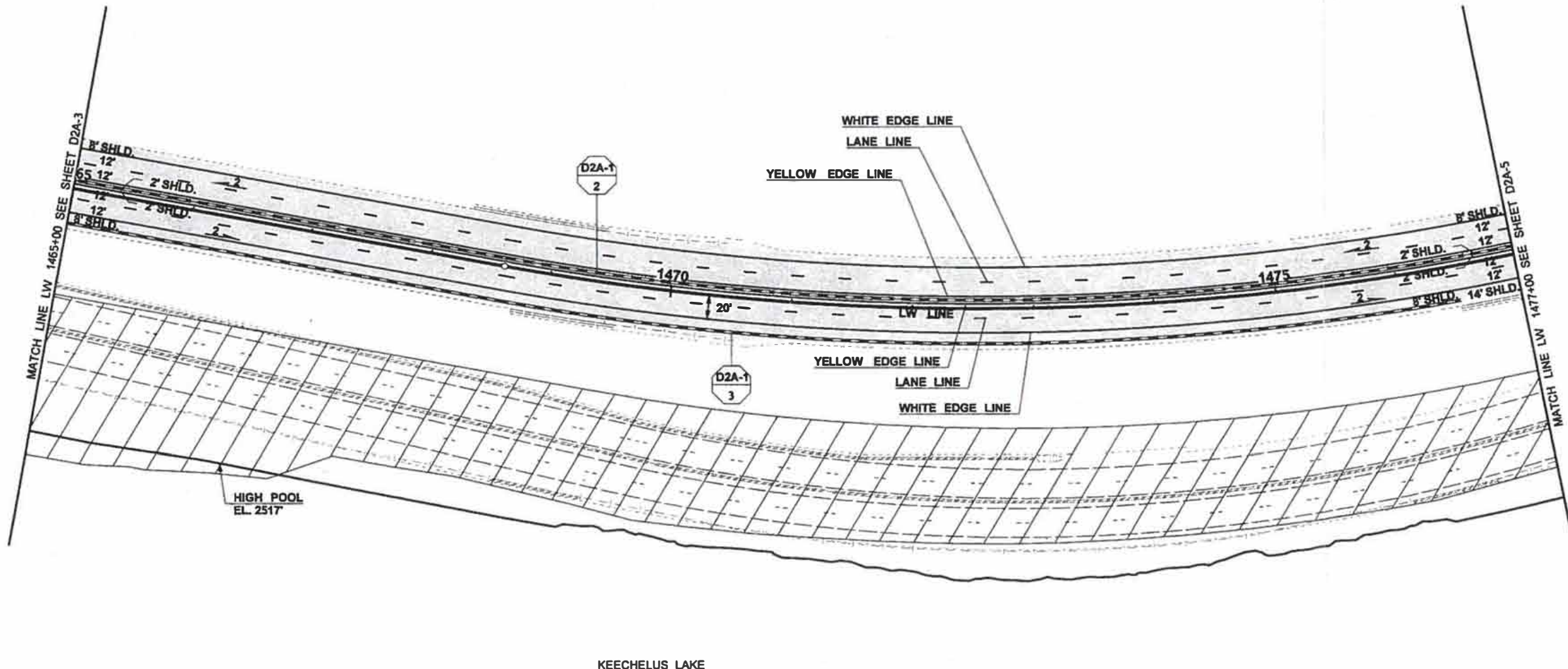


BARRIER GAP				
CODE	LOCATION	LT/RT	QTY	(EACH)
D2A-1 2	LW 1452+50	LT	2	
D2A-1 3	LW 1452+50	RT	1	
D2A-1 2	LW 1453+12	LT	2	
D2A-1 3	LW 1453+12	RT	1	
D2A-1 2	LW 1453+75	LT	2	
D2A-1 3	LW 1453+75	RT	1	
D2A-1 2	LW 1454+37	LT	2	
D2A-1 3	LW 1454+75	RT	1	
D2A-1 2	LW 1455+00	LT	2	
D2A-1 2	LW 1455+62	LT	2	
D2A-1 2	LW 1456+25	LT	2	
D2A-1 2	LW 1456+88	LT	2	
D2A-1 2	LW 1459+13	LT	2	
D2A-1 3	LW 1459+13	RT	1	
D2A-1 2	LW 1459+13	LT	2	
D2A-1 3	LW 1459+13	RT	1	
D2A-1 2	LW 1460+00	LT	2	
D2A-1 3	LW 1460+00	RT	1	
D2A-1 2	LW 1461+00	LT	2	
D2A-1 2	LW 1462+00	LT	2	
D2A-1 2	LW 1463+00	LT	2	
D2A-1 2	LW 1464+00	LT	2	
D2A-1 2	LW 1465+00	LT	2	

BARRIER GAP NOTES:
PIN BARRIER BETWEEN GAPS WHEN LENGTH OF BARRIER BETWEEN GAPS IS 50' OR LESS.

FILE NAME: c:\pwworking\na\branchjp\d0215366\D2A-3_Stage2.dgn		REGION NO. STATE: 10 WASH		FED.AID PROJ.NO.				I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES	PLAN REF NO: D2A-3	
TIME: 12:05:53 PM	DATE: 6/25/2015	DESIGNED BY: J. BRANCH	ENTERED BY: J. RAMIREZ	CHECKED BY: J. TAYLOR	PROJ. ENGR.: S. GOLBEK					REGIONAL ADM.: D. WHITEHOUSE
							DATE: _____ P.E. STAMP BOX	DATE: _____ P.E. STAMP BOX	DETOUR PLAN - STAGE 2A	SHEET OF SHEETS

T.21N R.11E. W.M.



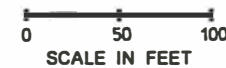
KEECHELUS LAKE

LEGEND

- WORK AREA
- FINISHED ROADWAY (PAVING LIMITS)
- EXISTING BARRIER
- EXISTING GUARDRAIL
- EXISTING TEMPORARY BARRIER
- TEMPORARY BARRIER
- BARRIER GAP
- QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

NOTES:

1. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
2. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
3. EXISTING BARRIER IN FINISHED ROADWAY AREAS ARE PERMANENT. SEE PAVEMENT MARKING PLANS FOR MORE INFORMATION.



BARRIER GAP				
CODE	LOCATION	LT/RT	QTY (EACH)	
D2A-1	2 LW 1465+00	LT	2	2
D2A-1	2 LW 1466+63	LT	2	2
D2A-1	2 LW 1467+25	LT	2	2
D2A-1	2 LW 1467+88	LT	2	2
D2A-1	2 LW 1468+88	LT	2	2
D2A-1	2 LW 1469+88	LT	2	2
D2A-1	2 LW 1470+88	LT	2	2
D2A-1	2 LW 1471+88	LT	2	2
D2A-1	2 LW 1472+88	LT	2	2
D2A-1	2 LW 1474+62	LT	2	2
D2A-1	2 LW 1475+62	LT	2	2
D2A-1	2 LW 1476+62	LT	2	2

BARRIER GAP NOTES:

PIN BARRIER BETWEEN GAPS WHEN LENGTH OF BARRIER BETWEEN GAPS IS 50' OR LESS.

FILE NAME	c:\pwworking\jbranch\pjd0215366\D2A-4_Stage2.dgn		
TIME	12:05:57 PM		
DATE	6/25/2015		
PLOTTED BY	branchjp		
DESIGNED BY	J. BRANCH		
ENTERED BY	J. RAMIREZ		
CHECKED BY	J. TAYLOR		
PROJ. ENGR.	S. GOLBEK		
REGIONAL ADM.	D. WHITEHOUSE		

REVISION	DATE	BY	FED.AID PROJ.NO.
			10 WASH
			JOB NUMBER 14Y015
			CONTRACT NO.
			LOCATION NO.

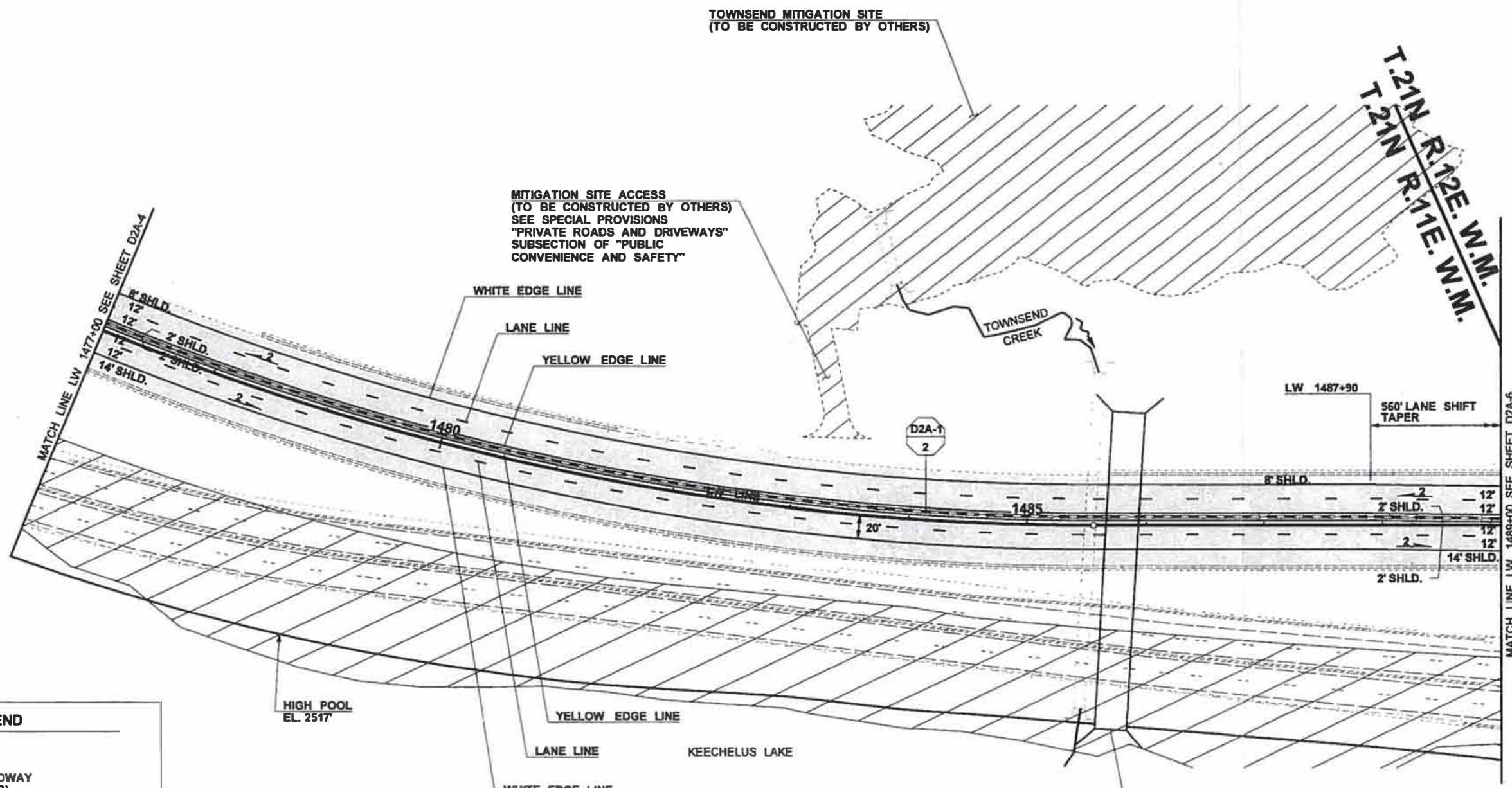
P.E. STAMP BOX

DATE

Washington State Department of Transportation

I-90
KEECHELUS DAM TO STAMPEDE PASS PHASE
2A - ADD LANES/BUILD WILDLIFE BRIDGES
DETOUR PLAN - STAGE 2A

PLAN REF NO	D2A-4
SHEET	
OF	
SHEETS	



T.21N R.12E. W.M.
T.21N R.11E. W.M.

TOWNSEND MITIGATION SITE
(TO BE CONSTRUCTED BY OTHERS)

MITIGATION SITE ACCESS
(TO BE CONSTRUCTED BY OTHERS)
SEE SPECIAL PROVISIONS
"PRIVATE ROADS AND DRIVEWAYS"
SUBSECTION OF "PUBLIC
CONVENIENCE AND SAFETY"

TOWNSEND CREEK

LW 1487+90
560' LANE SHIFT
TAPER

HIGH POOL
EL. 2517

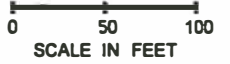
KEECHELUS LAKE

EB TOWNSEND CREEK
BOX CULVERT
(TO BE CONSTRUCTED)

LEGEND

- WORK AREA
- FINISHED ROADWAY (PAVING LIMITS)
- EXISTING BARRIER
- EXISTING GUARDRAIL
- EXISTING TEMPORARY BARRIER
- TEMPORARY BARRIER
- BARRIER GAP
- BOX CULVERT
- EXISTING CULVERT
- QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

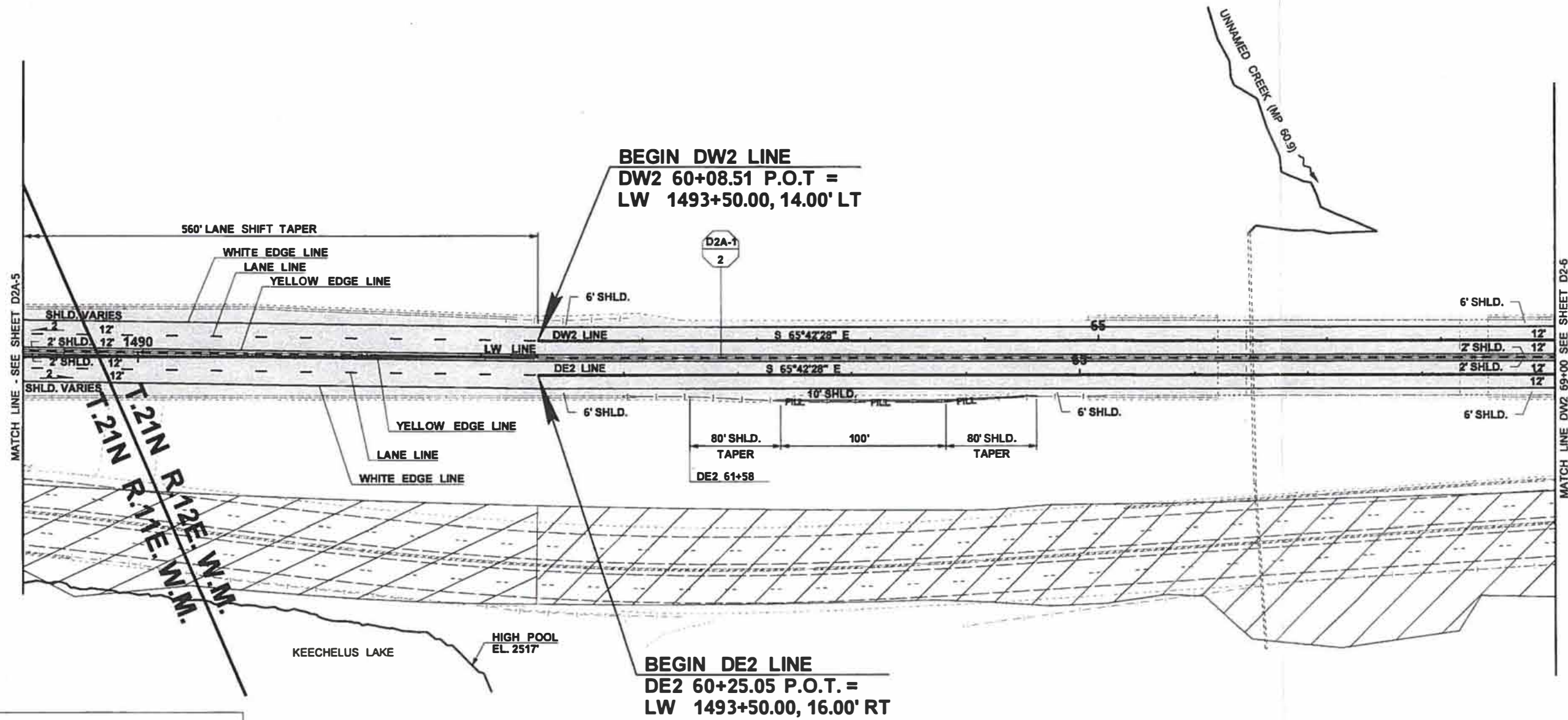
- NOTES:**
- THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
 - SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
 - EXISTING BARRIER IN FINISHED ROADWAY AREAS ARE PERMANENT. SEE PAVEMENT MARKING PLANS FOR MORE INFORMATION.



BARRIER AP NOTES:
PIN BARRIER BETWEEN GAPS
WHEN LENGTH OF BARRIER
BETWEEN GAPS IS 50' OR LESS.

BARRIER GAP				
CODE	LOCATION	LT/RT	QTY (EACH)	
D2A-1	2 LW 1477+62	LT	2	2
D2A-1	2 LW 1478+62	LT	2	2
D2A-1	2 LW 1479+62	LT	2	2
D2A-1	2 LW 1480+62	LT	2	2
D2A-1	2 LW 1481+62	LT	2	2
D2A-1	2 LW 1482+62	LT	2	2
D2A-1	2 LW 1483+62	LT	2	2
D2A-1	2 LW 1484+62	LT	2	2
D2A-1	2 LW 1485+25	LT	2	2
D2A-1	2 LW 1485+88	LT	2	2
D2A-1	2 LW 1487+00	LT	2	2
D2A-1	2 LW 1487+62	LT	2	2
D2A-1	2 LW 1488+25	LT	2	2
D2A-1	2 LW 1488+88	LT	2	2

FILE NAME: c:\pwworking\na\branch\pld0215366\D2A-5_Stage2.dgn		REGION NO. 10 STATE WASH		FED.AID PROJ.NO.				I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES	PLAN REF NO D2A-5
TIME: 12:06:00 PM	DATE: 6/25/2015	DESIGNED BY: J. BRANCH	ENTERED BY: J. RAMIREZ	CHECKED BY: J. TAYLOR	PROJ. ENGR.: S. GOLBEK				

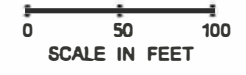


LEGEND

- WORK AREA
- FINISHED ROADWAY (PAVING LIMITS)
- EXISTING BARRIER
- EXISTING GUARDRAIL
- EXISTING TEMPORARY BARRIER
- TEMPORARY BARRIER
- BARRIER GAP
- EXISTING CULVERT
- QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

NOTES:

1. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
2. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
3. EXISTING BARRIER IN FINISHED ROADWAY AREAS ARE PERMANENT. SEE PAVEMENT MARKING PLANS FOR MORE INFORMATION.



BARRIER GAP				
CODE	LOCATION	LT/RT	QTY	(EACH)
D2A-1 2	LW 1490+00	LT	2	2
D2A-1 2	LW 1491+00	LT	2	2
D2A-1 2	LW 1492+00	LT	2	2
D2A-1 2	LW 1493+00	LT	2	2
D2A-1 2	DW2 60+34	RT	2	2
D2A-1 2	DW2 61+34	RT	2	2
D2A-1 2	DW2 62+34	RT	2	2
D2A-1 2	DW2 63+34	RT	2	2
D2A-1 2	DW2 64+34	RT	2	2
D2A-1 2	DW2 65+34	RT	2	2
D2A-1 2	DW2 66+34	RT	2	2

BARRIER GAP NOTES:
PIN BARRIER BETWEEN GAPS WHEN LENGTH OF BARRIER BETWEEN GAPS IS 50' OR LESS.

FILE NAME	c:\pwworking\inalbranch\pld0215366\D2A-6_Stage2.dgn		
TIME	12:06:04 PM		
DATE	6/25/2015		
PLOTTED BY	branchjp		
DESIGNED BY	J. BRANCH		
ENTERED BY	J. RAMIREZ		
CHECKED BY	J. TAYLOR		
PROJ. ENGR.	S. GOLBEK		
REGIONAL ADM.	D. WHITEHOUSE		

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER	14Y015	
CONTRACT NO.		LOCATION NO.



P.E. STAMP BOX	DATE



I-90	PLAN REF NO
KEECHELUS DAM TO STAMPEDE PASS PHASE	D2A-6
2A - ADD LANES/BUILD WILDLIFE BRIDGES	SHEET
	OF
DETOUR PLAN - STAGE 2A	SHEETS

QUANTITY TABULATION - STAGE 3

NOTE: THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.		REMOVING CONC. BARRIER*	REMOVING GUARDRAIL*	BEAM GUARDRAIL TYPE 31 - 8 L.F. LONG POST*		BEAM GUARDRAIL TRANSITION SECTION TYPE 21*	BARRIER GAP*	TEMPORARY CONC. BARRIER*		TEMPORARY RIGID GUIDE POST (TYPE W)*	LDS BARRIER DELINEATOR (TYPE W)*	LDS BARRIER DELINEATOR (TYPE Y)*		SNOW POLE*	TEMPORARY PAVEMENT MARKING-LONG DURATION*	TEMPORARY GLARE SCREEN*	SEE GENERAL NOTES	GENERAL NOTES:
CODE	LOCATION \ UNIT OF MEASURE >	L.F.	L.F.	L.F.		EACH	EACH	L.F.		EACH	EACH	EACH		EACH	L.F.	L.F.		
	DW3 22+90 - DW3 145+31 DE3 22+70 - DE3 149+33									6				51	73450 97980		5	1. THIS BARRIER SHALL BE ANCHORED INTO HMA (STA. DE3 46+60 TO STA. DE3 47+31).
D3-1 1	DE3 22+70 (160' RT) - DE3 23+20 (164' RT)		50															2. SEE SHEET TDE3 FOR TEMPORARY GLARE SCREEN DETAIL. SEE SPECIAL PROVISION "CONCRETE BARRIER."
D3-1 2	DE3 23+20 (164' RT) - DE3 23+83 (167' RT)	60																3. SEE SHEET TDE4 FOR TEMP. CONC. BARRIER DETAIL.
D3-1 3	DE3 23+83 (167' RT) - DE3 37+51 (146' RT)		1330															4. GUARDRAIL POSTS SHALL REQUIRE INSTALLATION IN HMA ADJACENT TO CONC. BARRIER.
D3-1 4	DE3 22+70 (15' RT) - DE3 40+52 (10' RT)			1725		1												5. SEE SPECIAL PROVISION "GUIDE POSTS."
D3-1 5	DW3 24+40 (22' LT) - DW3 47+67 (10' LT)							2007.5			40							6. TYPE B CONNECTION TO CONCRETE BARRIER REQUIRED.
D3-1 6	DE3 22+70 (13' LT) - DE3 47+31 (14' LT)						40	2375				92				2370		7. GUARDRAIL WILL REQUIRE CONNECTION TO EXISTING GUARDRAIL (INSTALLED BY OTHERS) AT DE3 STA. 22+70.
D3-2 1	DE3 40+44 (10' RT) - DE3 47+31 (10' RT)							807.5			14							* THIS ITEM APPEARS ON MULTIPLE QUANTITY TABULATION OR STRUCTURE NOTE SHEETS. SEE SHEETS SNQT1 - SNQT2 FOR PROJECT TOTALS.
SHEET TOTAL		60	1380	1725		+	40	5400		6	57	92		51	111440	2970		
PROJECT TOTAL		60	1380	1725		+	40	5400		6	57	92		51	111440	2970		
DESIGNED BY	S. ROBERT				REGION NO.	STATE	FED. AID PROJ. NO.											I-90
ENTERED BY	B. CUILIER				10	WASH												KEECHELUS DAM TO STAMPEDE PASS PHASE
CHECKED BY	L. HUCK				JOB NUMBER													2A - ADD LANES / BUILD WILDLIFE BRIDGES
PROJ. ENGR.	J. HEILMAN-SUAREZ				14Y015													SHEET
REGION ADM.	D. WHITEHOUSE				CONTRACT NO.													91
		DATE	DATE	REVISION	BY													OF
																		788
																		SHEETS



QUANTITY TABULATION - STAGE 3

QUANTITY TABULATION - STAGE 3B

NOTE: THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.		REMOVING CONC. BARRIER*	REMOVING GUARDRAIL*	REMOVING GUARDRAIL ANCHOR*	BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST*	WEATHERING ST. BEAM GUARDRAIL TYPE 31*	BEAM GUARDRAIL TYPE 31	BEAM GUARDRAIL TRANSITION SECTION TYPE 21*	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	BEAM GUARDRAIL ANCHOR TYPE 10	BARRIER GAP*	TEMPORARY CONC. BARRIER*	TEMPORARY IMPACT ATTENUATOR	SEE GENERAL NOTES	GENERAL NOTES:
CODE	LOCATION \ UNIT OF MEASURE	L.F.	L.F.	EACH	L.F.	L.F.	L.F.	EACH	EACH	EACH	EACH	L.F.	EACH		
	DW3 22+89.46 - ADW3 4537+18.06 DE3 22+69.52 - ADE3 4536+88.06														
D3B-1 1	DE3 22+69.52 (14' RT) - DE3 30+70.68 (18' RT)				797					1					
D3B-1 2	DW23 22+89.46 (13' RT) - ADW3 4537+18.06 (14' RT)										28	1342		2, 3, 4	
SHEET TOTAL					797					1	28	1342			

1. TEMPORARY IMPACT ATTENUATOR SHALL BE ONE OF THE FOLLOWING: ABSORB 350, TRITON CET, OR TRACC AND SHALL INCLUDE SIGN W12-501.


2. SEE SHEET TDE3 FOR TEMPORARY GLARE SCREEN DETAIL. SEE SPECIAL PROVISION "CONCRETE BARRIER."

3. SEE SHEET TDE-4 FOR TEMP. CONC. BARRIER DETAIL.

4. SEE SPECIAL PROVISION "GUIDE POSTS."

* THIS ITEM APPEARS ON MULTIPLE QUANTITY TABULATION OR STRUCTURE NOTE SHEETS. SEE SHEETS SNQT1 - SNQT2 FOR PROJECT TOTALS.

DESIGNED BY	J. BRANCH	REGION NO.	10	STATE	WASH	FED. AID PROJ. NO.	
ENTERED BY	M. PANICK	JOB NUMBER	14Y015				
CHECKED BY	A. SCHMIDTMAN	CONTRACT NO.					
PROJ. ENGR.	S. GOLBEK						
REGION ADM.	D. WHITEHOUSE	DATE	DATE	REVISION	BY		



Washington State
Department of Transportation

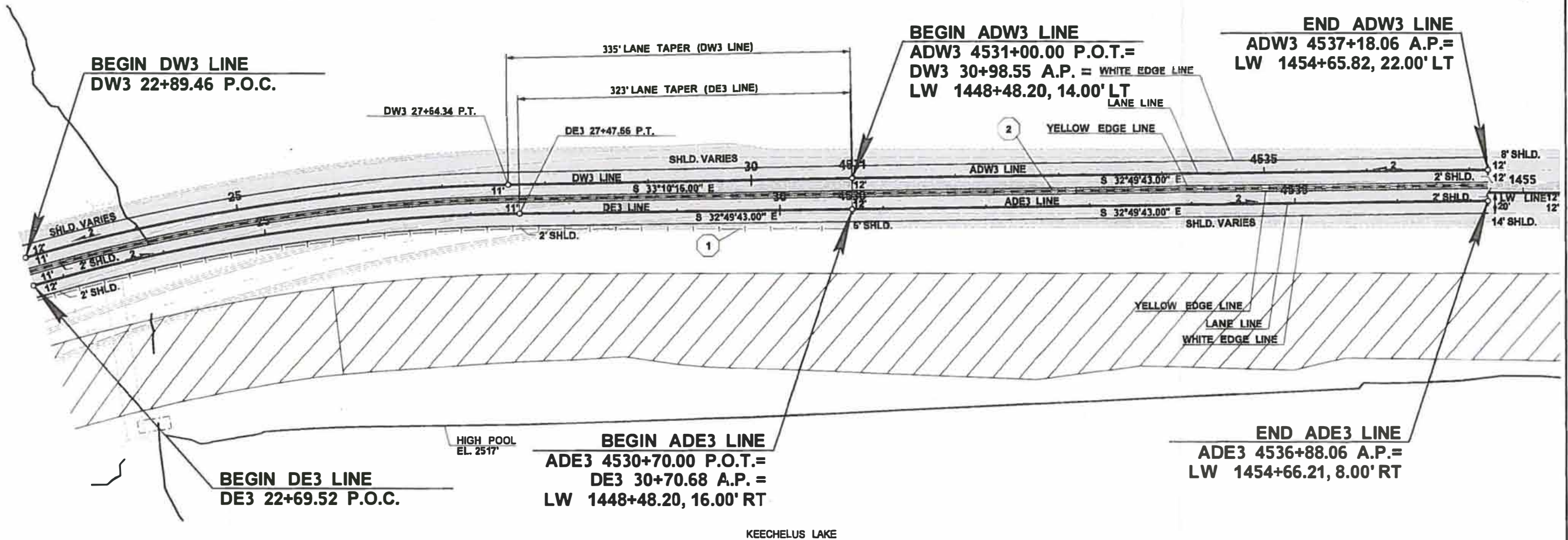
I-90
KEECHELUS DAM TO STAMPEDE PASS PHASE
2A - ADD LANES / BUILD WILDLIFE BRIDGES

QUANTITY TABULATION - STAGE 3B

QS3B- 1
SHEET
OF
SHEETS

T.21N R.11E. W.M.

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
DW3 19+59.55	55°54'44" RT	1808'	959.55'	1764.34'	-
DE3 19+51.52	56°15'17" RT	1780'	951.52'	1747.66'	-



BEGIN DE3 LINE
DE3 22+69.52 P.O.C.

BEGIN ADE3 LINE
ADE3 4530+70.00 P.O.T.=
DE3 30+70.68 A.P. =
LW 1448+48.20, 16.00' RT

BEGIN ADW3 LINE
ADW3 4531+00.00 P.O.T.=
DW3 30+98.55 A.P. = WHITE EDGE LINE
LW 1448+48.20, 14.00' LT

END ADW3 LINE
ADW3 4537+18.06 A.P.=
LW 1454+65.82, 22.00' LT

END ADE3 LINE
ADE3 4536+88.06 A.P.=
LW 1454+66.21, 8.00' RT

KEECHELUS LAKE

LEGEND

	WORK AREA
	NEW ROADWAY - STAGING (PAVING LIMITS)
	FINISHED ROADWAY (PAVING LIMITS)
	EXISTING BARRIER
	EXISTING GUARDRAIL
	TEMPORARY BARRIER
	BARRIER GAP
	EXISTING CULVERT
	QUANTITY TABULATION NOTE (SEE QUANTITY TABULATION SHEETS)

NOTES:

1. THE CONTRACTOR SHALL MAINTAIN 14' WIDE OPENINGS FOR OVERSIZE LOADS AND BE ABLE TO ACCOMMODATE LOADS WIDER THAN 14' AS DIRECTED BY THE ENGINEER.
2. SEE SPECIAL PROVISION "ORDER OF WORK" SUBSECTION OF "PROSECUTION OF WORK" FOR ADDITIONAL DETAILS.
3. EXISTING BARRIER IN FINISHED ROADWAY AREAS ARE PERMANENT SEE PAVEMENT MARKING PLANS FOR MORE INFORMATION.



BARRIER GAP				
CODE	LOCATION	LT/RT	QTY	(EACH)
D3-1	6	DE3 25+00	LT	2
D3-1	6	DE3 29+50	LT	2
D3-1	6	DE3 30+00	LT	2
D3-1	6	DE3 30+50	LT	2
D3B-1	2	ADE3 4530+97	LT	2
D3B-1	2	ADE3 4531+60	LT	2
D3B-1	2	ADE3 4532+22	LT	2
D3B-1	2	ADE3 4532+84	LT	2
D3B-1	2	ADE3 4533+47	LT	2
D3B-1	2	ADE3 4534+10	LT	2
D3B-1	2	ADE3 4534+72	LT	2
D3B-1	2	ADE3 4535+34	LT	2
D3B-1	2	ADE3 4535+97	LT	2
D3B-1	2	ADE3 4536+59	LT	2

BARRIER GAP NOTES:
PIN BARRIER BETWEEN GAPS WHEN LENGTH OF BARRIER BETWEEN GAPS IS 50' OR LESS

FILE NAME c:\pwworking\infpanick\ncid0215366\03B-1 Stage3.dgn	TIME 9:15:23 AM	DATE 7/17/2015	PLOTTED BY panickmc	DESIGNED BY M. PANICK	ENTERED BY M. PANICK	CHECKED BY P. CROWLEY	PROJ. ENGR. S. GOLBEK	REGIONAL ADM. D. WHITEHOUSE	REVISION	DATE	BY	REG. NO. 10	STATE WASH	FED. AID PROJ. NO.	LOCATION NO.			I-90 KEECHELUS DAM TO STAMPEDE PASS PHASE 2A - ADD LANES/BUILD WILDLIFE BRIDGES DETOUR PLAN - STAGE 3B SHIFT STAGE 3 TO STAGE 2A	PLAN REF NO D3B-1 SHEET OF SHEETS
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