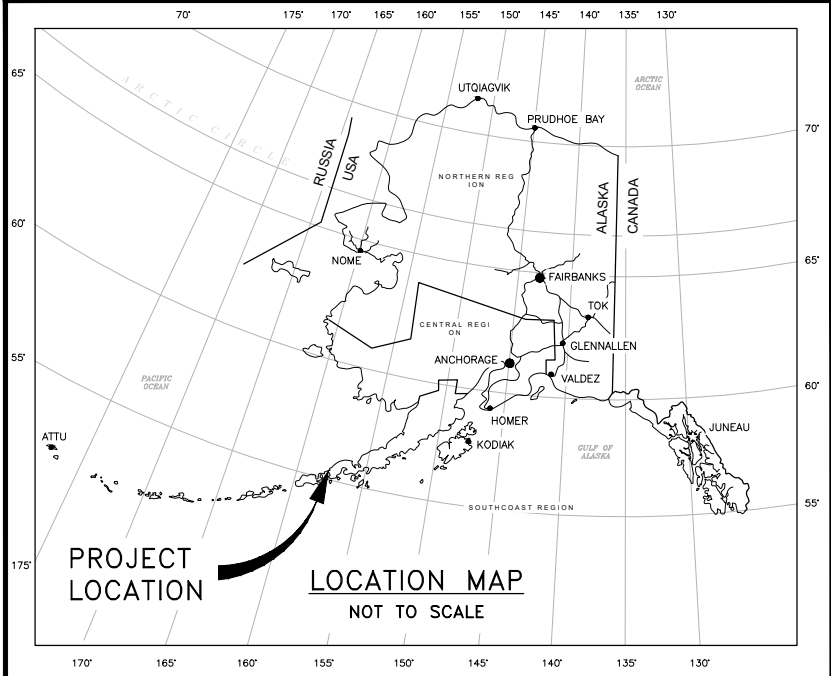




STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

SSHXY00117

KING COVE TO COLD BAY ROAD

GRADING, DRAINAGE, & BRIDGE

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	A1	A6
			CDS ROUTE:		MILEPOINT:	TO	

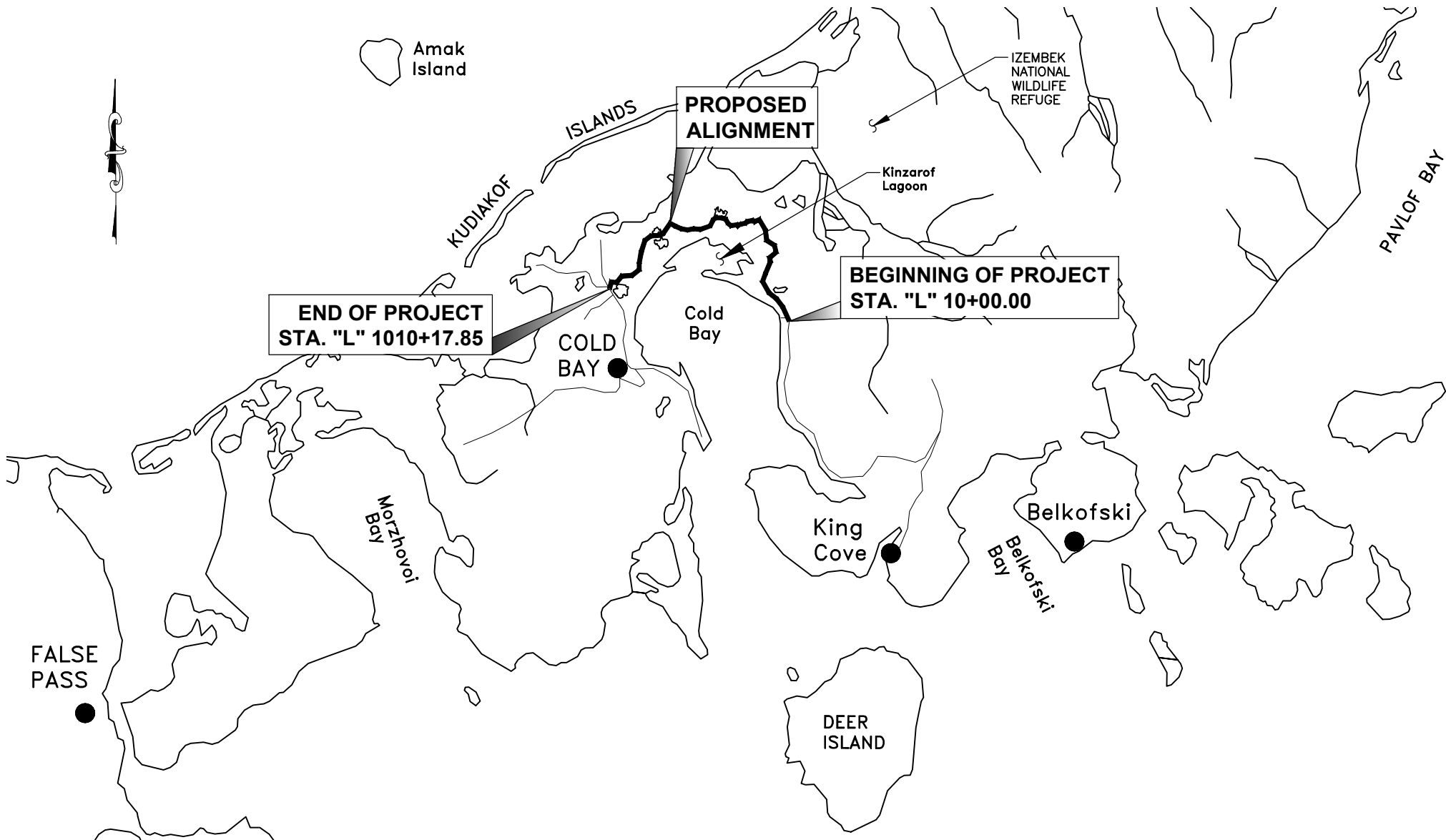
DESIGN DESIGNATIONS

ADT (2017)	N/A
ADT (2037)	N/A
DHV	N/A
PERCENT TRUCKS (T)	5.0%
DIRECTIONAL SPLIT (D)	50/50
DESIGN SPEED	25 MPH
DESIGN ESALS	N/A

PROJECT SUMMARY

ROADWAY WIDTH	13 FEET
LENGTH OF PROJECT	18.94 MILES
LENGTH OF GRADING	18.94 MILES

PIH / PS&E REVIEW
PLAN SET



VICINITY MAP

USE THESE PLANS IN CONJUNCTION WITH THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2020 EDITION AND THE PROJECT SPECIAL PROVISION.

PLANS DEVELOPED BY: DOWL
3030 VINTAGE BLVD, SUITE 200 – JUNEAU, AK 99801
907-780-3533

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED BY: _____ DATE _____

Kirk Miller, P.E., S.E.
Preconstruction Engineer, Southcoast Region
ACCEPTED FOR CONSTRUCTION:

Christopher Goins, P.E., C.M.
Regional Director, Southcoast Region

GENERAL NOTES:

1. DRAWING SCALES ARE FOR FULL-SIZE SHEETS. IF NO SCALE SHOWN, USE DIMENSIONS.
2. RIGHT-OF-WAY LINES SHOWN WERE DETERMINED BASED ON SURVEY BY DOT&PF.
3. CONTAIN ALL CONSTRUCTION WITHIN RIGHT-OF-WAY. DO NOT DISPOSE OF EXCESS MATERIAL WITHIN THESE AREAS, UNLESS SPECIFICALLY CALLED FOR IN THE PLANS.
4. USE BONDED FIBER MATRIX TO TEMPORARILY STABILIZE DISTURBED SOILS.

ABBREVIATIONS:

APPROX APPROXIMATELY

ASP ALASKA STANDARD PLAN

BOP BEGINNING OF PROJECT

BRDG ABUT BRIDGE ABUTMENT

CL CENTERLINE

CAP CORRUGATED ALUMINUM PIPE

CFS CUBIC FEET PER SECOND

CL CENTERLINE

CS CONTINGENT SUM

CSP CORRUGATED STEEL PIPE

CY CUBIC YARD

D DIAMETER

DIA DIAMETER

DOT&PF DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

E EAST, EASTING

ELEV ELEVATION

EOP END OF PROJECT

ESCP EROSION AND SEDIMENT CONTROL PLAN

FG FINISHED GROUND

FT ' FOOT, FEET

FP FISH PASSAGE

GP GUY POLE

H HORIZONTAL

HDPE HIGH DENSITY POLYETHYLENE

HR HOUR

HW/D HEADWATER TO DIAMETER RATIO

IE INVERT ELEVATION

IN " INCH, INCHES

KC-CB KING COVE TO COLD BAY

L LENGTH OF CURVE

LCL LEFT OF CENTERLINE

LF LENGTH FOOT

LS LUMP SUM

LT LEFT

LVC LENGTH OF VERTICAL CURVE

MAX MAXIMUM

MIN MINIMUM

MP MILEPOST

MTE MATCH TO EXISTING

N NORTH, NORTHING

NO. NUMBER

NOM. NOMINAL

NTS NOT TO SCALE

OC ON CENTER

PC POINT OF CURVATURE

POT POINT ON TANGENT

PST PERFORATED STEEL TUBE

PT POINT OF TANGENCY

PVI POINT OF VERTICAL INTERSECTION

R RADIUS

RCL RIGHT OF CENTERLINE

REF REFERENCE

ROW RIGHT-OF-WAY

RT RIGHT

S SOUTH

SHLDR SHOULDER

SHT SHEET

SPECS SPECIFICATIONS

SQFT SQUARE FOOT

SF SQUARE FOOT

STA STATION

SY SQUARE YARD

T TANGENT

TCP TRAFFIC CONTROL PLAN

TS TUBE STEEL

TYP TYPICAL

V VERTICAL

VPC VERTICAL POINT OF CURVATURE

VPI VERTICAL POINT OF INTERSECTION

VPT VERTICAL POINT OF TANGENCY

W WEST

WWR WELDED WIRE REINFORCEMENT

Ø DIAMETER

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	A2	A6

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	GENERAL NOTES, INDEX, & ABBREVIATIONS
A3	LEGEND
A4-A5	SHEET LAYOUT
AX	SURVEY CONTROL SHEETS (IN PROGRESS)
B1-B2	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1-D9	SUMMARY TABLES
E1-E9	DETAILS
F1-F35	PLAN & PROFILE
H1-H2	SIGN SUMMARY
N1-N13	BRIDGE PLANS
P1-P9	FISH PASSAGE PLAN & PROFILE
Q1-Q34	EROSION AND SEDIMENT CONTROL PLANS
T1	TRAFFIC CONTROL PLAN

THE FOLLOWING STANDARD PLANS APPLY TO THIS PROJECT:

D-01.02, D-04.22, D-06.10, D-08.00, D-30.11, D-31.01
G-00.05, G-05.11S, G-10.21, G-20.12, G-32.04
I-81.00
S-00.12, S-01.02, S-05.02, S-30.05

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

GENERAL NOTES, INDEX,
& ABBREVIATIONS

RECOVERED	SET	EXISTING	PROPOSED
BLM MONUMENT		ROADWAY/PAVEMENT EDGE	
GLO MONUMENT		SURFACE CONTOUR	
USC&GS MONUMENT		GUARDRAIL	
PRIMARY MONUMENT		CULVERT PIPE	
CENTERLINE MONUMENT IN CASING		SIGN	
PRIMARY R.O.W. MONUMENT		SIGN NUMBER DESIGNATION	
BEARING OBJECT		WATER BOUNDARY	
MISCELLANEOUS MONUMENT		STREAM THALWEG	
LINE OF SIGHT MONUMENT		WETLANDS	
CONCRETE R.O.W. MONUMENT		RIPRAP	
BENCHMARK		EXTENTS OF DISTURBED GROUND	
REBAR AND CAP		VEGETATIVE MAT	
REBAR			
IRON PIPE			
PK NAIL			
SPIKE			
HUB AND TACK			
CONSTRUCTION CENTERLINE			
MICELLANEOUS CENTERLINE			
STATION EQUATION			
PROJECT RIGHT-OF-WAY LINE			
EXISTING RIGHT-OF-WAY LINE			
EXISTING PROPERTY LINE			
CONTROLLED ACCESS LINE			
EXISTING EASEMENT LINE			
PROPOSED EASEMENT LINE			
PROPOSED CUT SLOPE LIMIT			
PROPOSED FILL SLOPE LIMIT			
SECTION LINE			
1/4 SECTION LINE			
1/16 SECTION LINE			
TOWNSHIP & RANGE LINE			
MEANDER LINE			

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	A3	A6

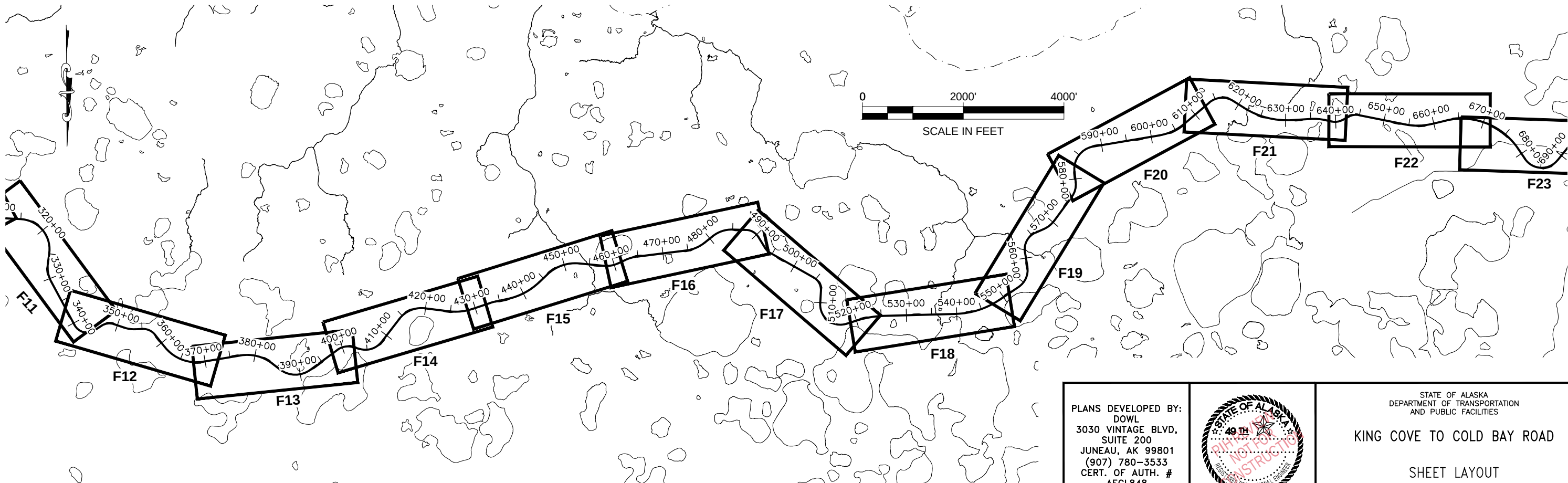
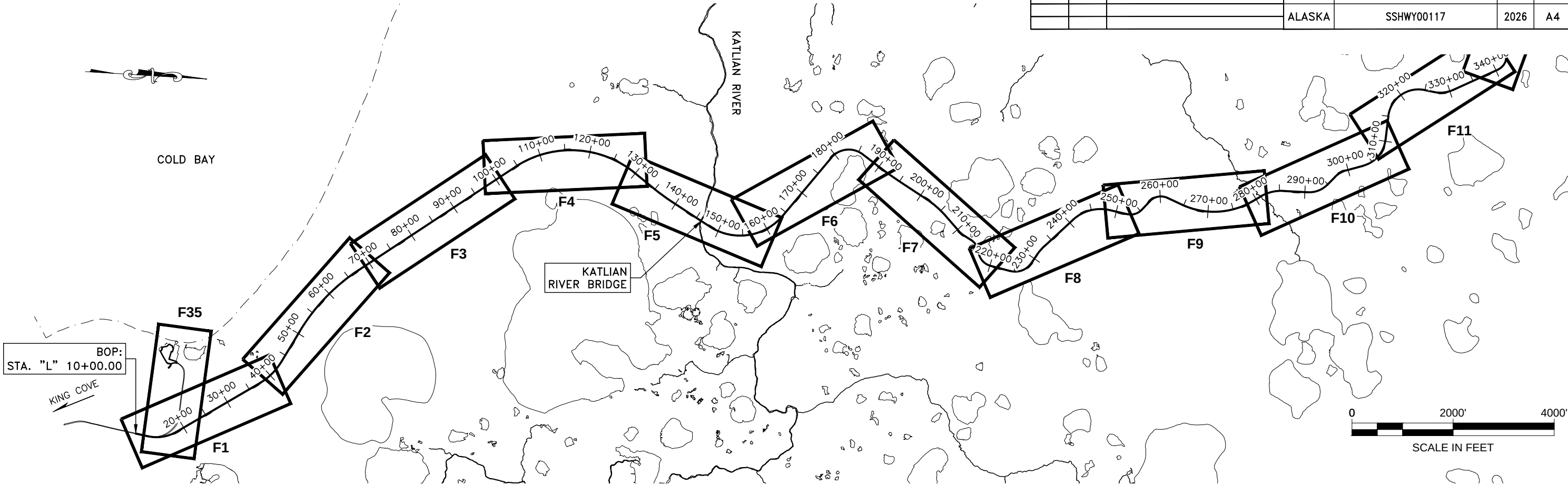
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AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

LEGEND

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	A4	A6



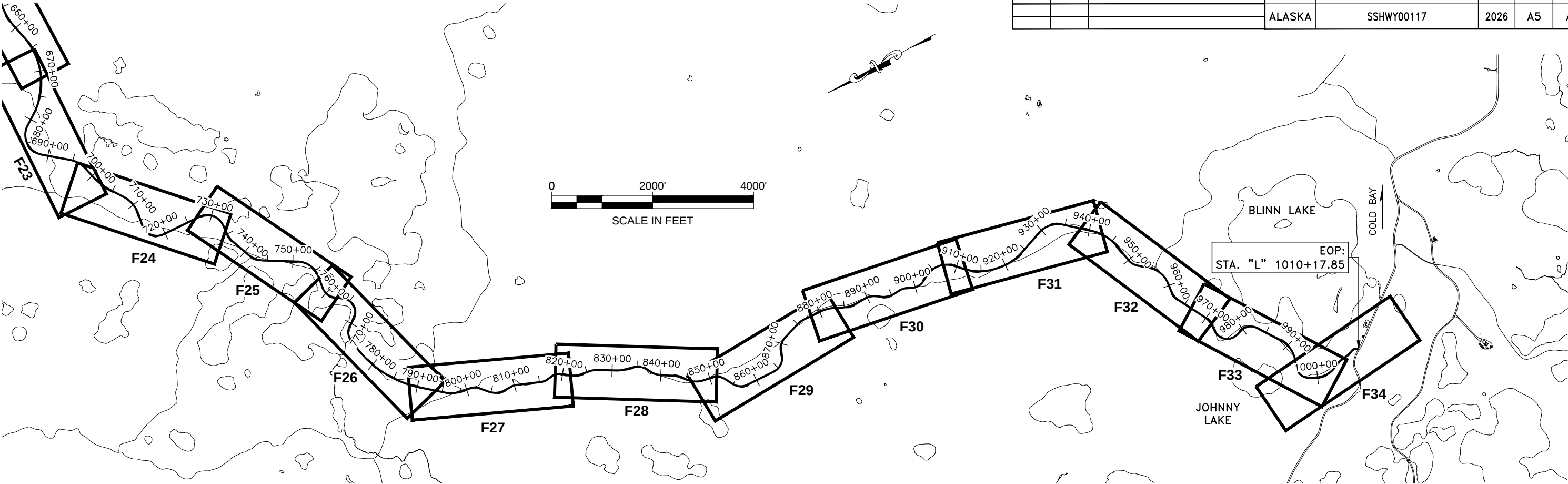
PLANS DEVELOPED BY:
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3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SHEET LAYOUT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	A5	A6



PLANS DEVELOPED BY:
DOWL
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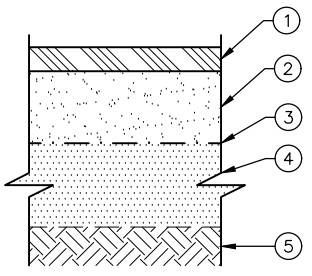
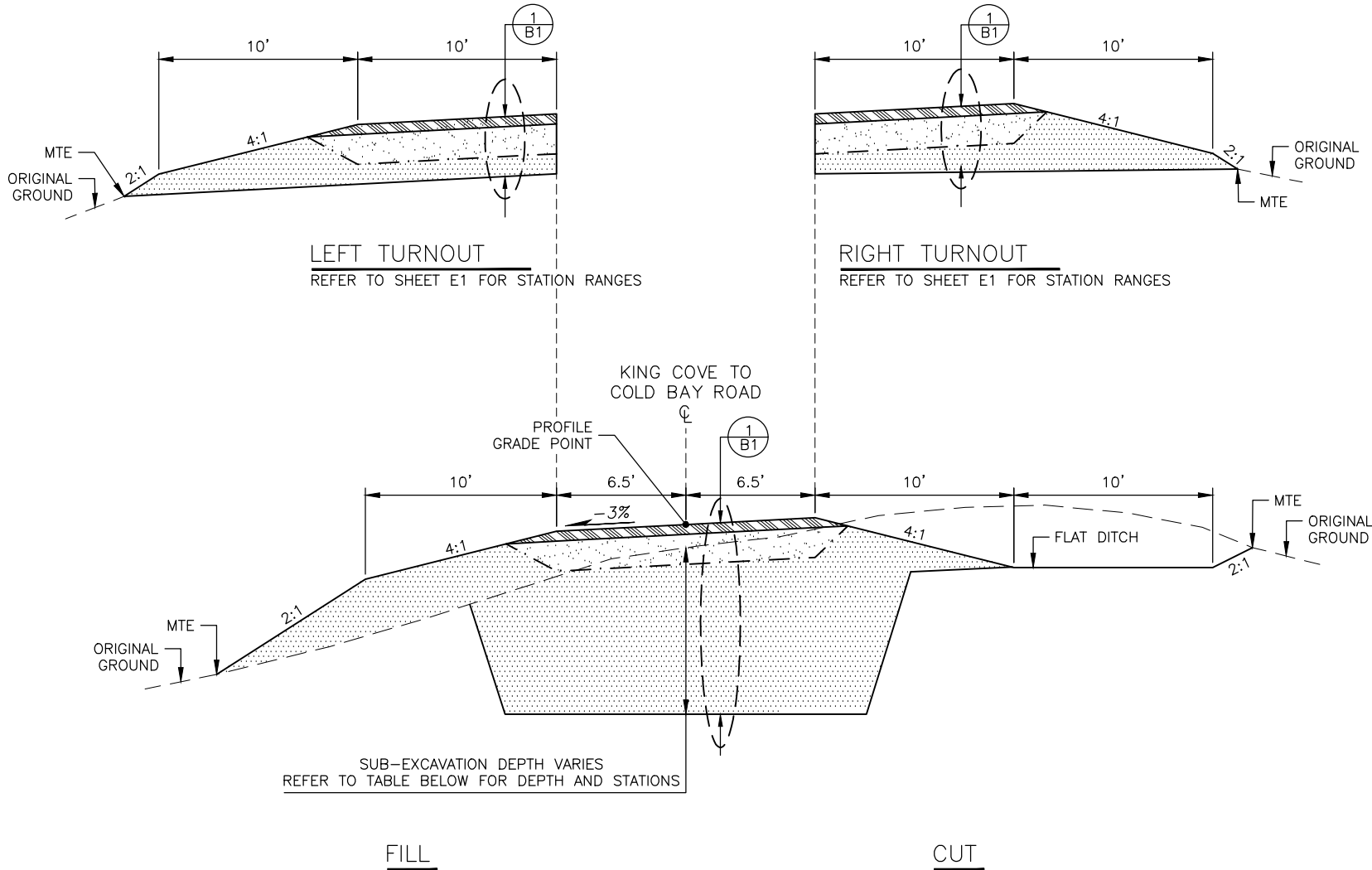
STATE OF ALASKA
49TH
NO. 117
DOWL
2/16/2026
PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SHEET LAYOUT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	B1	B2



1
B1
STRUCTURAL SECTION
SCALE: NTS

LEGEND

- 1 6" AGGREGATE SURFACE COURSE, GRADING E-1
- 2 18" SELECTED MATERIAL, TYPE A
- 3 GEOTEXTILE, STABILIZATION, CLASS 1
- 4 12" MINIMUM SELECTED MATERIAL, TYPE C
- 5 ORIGINAL GROUND

2
B1
KING COVE TO COLD BAY ROAD
SCALE: NTS
BOP TO EOP

TYPICAL SECTION NOTES:

- SUPERELEVATIONS ROTATE ABOUT THE CERNTERLINE. THE RATE OF SUPERELEVATION THROUGHOUT THE CORRIDOR IS PROVIDED ON SHEET E9. REFER TO CASE 1 OF STANDARD PLAN I-81.00 FOR TRANSITION DETAILS.
- TURNOUT CROSS SLOPE TO MATCH ROAD CROSS SLOPE.

LOCATION AND DEPTH OF SUB-EXCAVATION		
STATION FROM	STATION TO	SUB-EXCAVATION DEPTH (FT)
BOP	290+00	3.5'
290+00	570+00	3'
570+00	610+00	N/A
610+00	680+00	3.5'
680+00	860+00	N/A
860+00	EOP	3.5'

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

TYPICAL SECTIONS

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201.0003.0000	CLEARING AND GRUBBING	ACRE	150
201.2002.0000	INVASIVE PLANT SURVEY	LS	ALL REQ'D
201.2003.0000	INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL	CS	ALL REQ'D
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	1,022,000
203.0006.000A	BORROW, TYPE A	TON	187,000
205.0001.0000	EXCAVATION FOR STRUCTURES	CY	3,200
205.0004.0000	POROUS BACKFILL MATERIAL	CY	30
205.0006.0000	STRUCTURAL FILL	CY	3,150
301.0003.00E1	AGGREGATE SURFACE COURSE, GRADING E-1	TON	63,000
501.0007.0000	PRECAST CONCRETE MEMBER, ABUTMENTS	EACH	2
501.0007.0000	PRECAST CONCRETE MEMBER, DECK PANELS	EACH	25
501.0007.0000	PRECAST CONCRETE MEMBER, WINGWALLS	EACH	4
501.2007.0001	HEADWALL, TYPE I	EACH	16
504.0001.0000	STRUCTURAL STEEL	LS	ALL REQ'D
505.0005.0001	FURNISH STRUCTURAL STEEL H-PILES, HP 14X117	LF	1,200
505.0006.0001	DRIVE STRUCTURAL STEEL H-PILES, HP 14X117	EACH	8
507.0001.0002	STEEL BRIDGE RAILING, 2-TUBE	LF	244
516.0001.0000	EXPANSION JOINT, SILICONE	LF	53
516.0002.0000	BEARINGS, STEEL-REINFORCED ELASTOMERIC	EACH	8
602.2012.XXXX	ALUMINUM STRUCTURAL PLATE PIPE, 8'-0" DIAMETER, 10 GAUGE	LF	64
602.2012.XXXX	ALUMINUM STRUCTURAL PLATE PIPE, 12'-0" DIAMETER, 10 GAUGE	LF	86
602.2012.0700	ALUMINUM STRUCTURAL PLATE PIPE, 7'-0" DIAMETER, 10 GAUGE	LF	85
602.2012.0900	ALUMINUM STRUCTURAL PLATE PIPE, 9'-0" DIAMETER, 10 GAUGE	LF	161
602.2012.1000	ALUMINUM STRUCTURAL PLATE PIPE, 10'-0" DIAMETER, 10 GAUGE	LF	194
603.0009.0072	CORRUGATED ALUMINUM PIPE 72 INCH	LF	147
603.2032.0036	CORRUGATED HDPE PIPE 36 INCH	LF	4,750
603.2033.0036	END SECTION FOR CORRUGATED HDPE PIPE 36 INCH	EACH	168
606.0016.0000	TRANSITION RAIL	EACH	4
610.0002.0000	DITCH LINING	TON	5,050
611.0001.0001	RIPRAP, CLASS I	CY	8,500
611.0001.0002	RIPRAP, CLASS II	CY	1,650
613.0002.0000	CULVERT MARKER POST	EACH	186
615.0001.0000	STANDARD SIGN	SF	52.0
618.0001.0000	SEEDING	ACRE	130
630.0002.0001	GEOTEXTILE, STABILIZATION, CLASS 1	SY	229,000
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D
640.0004.0000	WORKER MEALS AND LODGING, OR PER DIEM	LS	ALL REQ'D

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQ'D
641.0003.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LS	ALL REQ'D
641.0005.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CS	ALL REQ'D
641.0006.0000	WITHHOLDING	CS	ALL REQ'D
641.0007.0000	SWPPP MANAGER	LS	ALL REQ'D
641.0008.0000	SWPPPTRACK	CS	ALL REQ'D
642.0003.0000	THREE PERSON SURVEY PARTY	HR	500
643.0002.0000	TRAFFIC MAINTENANCE	LS	ALL REQ'D
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D
643.0025.0000	TRAFFIC CONTROL	CS	ALL REQ'D
643.2005.0000	PUBLIC INFORMATION PROGRAM	LS	ALL REQ'D
644.0001.0000	FIELD OFFICE	LS	ALL REQ'D
644.0002.0000	FIELD LABORATORY	LS	ALL REQ'D
644.0006.0000	VEHICLE	LS	ALL REQ'D
644.0015.0000	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1
644.2004.0000	ENGINEERING COMMUNICATIONS	CS	ALL REQ'D
652.0001.0000	INTERIM WORK PRICE ADJUSTMENT	CS	ALL REQ'D
671.2001.0000	BANK CONSTRUCTION, BANK REVEGETATION AND PROTECTION	LF	111
671.2004.0000	STREAM SUBSTRATE	CY	940
671.2005.0000	STREAM DIVERSION AND DEWATERING	LS	ALL REQ'D

BASIS OF ESTIMATE		
ITEM NO.	ITEM DESCRIPTION	UNIT
203.0006.000A	BORROW, TYPE A	1.89 TON/CY
301.0003.00E1	AGGREGATE SURFACE COURSE, GRADING E-1	1.95 TON/CY
610.0002.0000	DITCH LINING	1.50 TON/CY

FIRM	DOWL		ADDRESS		3030 VINTAGE BLVD, SUITE 200 JUNEAU, AK 99801		PHONE		(907) 780-3533		CERT. OF AUTH. #		AECUB48							
FILE	c:\downl_pw\j0432372\00117-D-SUM.dwg		DATE		2/19/2026		15:42		LAYOUT		D1		DESIGNED RDP		CHECKED RDP		DRAFTED		---	

201.0003.0000 – CLEARING AND GRUBBING					
SHEET	STATION FROM	STATION TO	OFFSET	AREA (ACRE)	REMARKS
F1	"L" 10+00	"L" 40+00	LT/RT	3.19	
F2	"L" 40+00	"L" 70+00	LT/RT	2.99	
F3	"L" 70+00	"L" 100+00	LT/RT	3.02	
F4	"L" 100+00	"L" 130+00	LT/RT	3.12	
F5	"L" 130+00	"L" 160+00	LT/RT	3.98	
F6	"L" 160+00	"L" 190+00	LT/RT	2.95	
F7	"L" 190+00	"L" 220+00	LT/RT	2.97	
F8	"L" 220+00	"L" 250+00	LT/RT	8.28	
F9	"L" 250+00	"L" 280+00	LT/RT	3.04	
F10	"L" 280+00	"L" 310+00	LT/RT	6.06	
F11	"L" 310+00	"L" 340+00	LT/RT	3.06	
F12	"L" 340+00	"L" 370+00	LT/RT	3.20	
F13	"L" 370+00	"L" 400+00	LT/RT	5.76	
F14	"L" 400+00	"L" 430+00	LT/RT	11.45	
F15	"L" 430+00	"L" 460+00	LT/RT	5.64	
F16	"L" 460+00	"L" 490+00	LT/RT	3.22	
F17	"L" 490+00	"L" 520+00	LT/RT	6.46	
F18	"L" 520+00	"L" 550+00	LT/RT	3.23	
F19	"L" 550+00	"L" 580+00	LT/RT	3.23	
F20	"L" 580+00	"L" 610+00	LT/RT	6.29	
F21	"L" 610+00	"L" 640+00	LT/RT	3.12	
F22	"L" 640+00	"L" 670+00	LT/RT	3.29	
F23	"L" 670+00	"L" 700+00	LT/RT	4.36	
F24	"L" 700+00	"L" 730+00	LT/RT	3.22	
F25	"L" 730+00	"L" 760+00	LT/RT	3.38	
F26	"L" 760+00	"L" 790+00	LT/RT	8.83	
F27	"L" 790+00	"L" 820+00	LT/RT	3.69	
F28	"L" 820+00	"L" 850+00	LT/RT	6.89	
F29	"L" 850+00	"L" 880+00	LT/RT	4.60	
F30	"L" 880+00	"L" 910+00	LT/RT	4.52	
F31	"L" 910+00	"L" 940+00	LT/RT	4.26	
F32	"L" 940+00	"L" 970+00	LT/RT	3.78	
F33	"L" 970+00	"L" 1000+00	LT/RT	3.25	
F34	"L" 1000+00	"L" 1010+18	LT/RT	1.22	
TOTAL:				149.55	ACRE
PAY ITEM QUANTITY:				150	ACRE

	NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
				ALASKA	SSHXY00117	2026	D1	D9

203.0003.0000 – UNCLASSIFIED EXCAVATION					
SHEET	STATION FROM	STATION TO	OFFSET	VOLUME (CY)	REMARKS
F1-F34	"L" 10+00	"L" 1010+18	LT/RT	1,021,994	
TOTAL:				1,021,994	CY
PAY ITEM QUANTITY:				1,022,000	CY

203.0006.000A – BORROW, TYPE A					
SHEET	STATION FROM	STATION TO	OFFSET	WEIGHT (TON)	REMARKS
F1	"L" 10+00	"L" 40+00	LT/RT	5,481	
F2	"L" 40+00	"L" 70+00	LT/RT	5,480	
F3	"L" 70+00	"L" 100+00	LT/RT	5,481	
F4	"L" 100+00	"L" 130+00	LT/RT	5,482	
F5	"L" 130+00	"L" 160+00	LT/RT	5,639	
F6	"L" 160+00	"L" 190+00	LT/RT	5,358	
F7	"L" 190+00	"L" 220+00	LT/RT	5,454	
F8	"L" 220+00	"L" 250+00	LT/RT	5,675	
F9	"L" 250+00	"L" 280+00	LT/RT	5,675	
F10	"L" 280+00	"L" 310+00	LT/RT	5,486	
F11	"L" 310+00	"L" 340+00	LT/RT	5,485	
F12	"L" 340+00	"L" 370+00	LT/RT	5,488	
F13	"L" 370+00	"L" 400+00	LT/RT	5,609	
F14	"L" 400+00	"L" 430+00	LT/RT	5,676	
F15	"L" 430+00	"L" 460+00	LT/RT	5,610	
F16	"L" 460+00	"L" 490+00	LT/RT	5,483	
F17	"L" 490+00	"L" 520+00	LT/RT	5,489	
F18	"L" 520+00	"L" 550+00	LT/RT	5,481	
F19	"L" 550+00	"L" 580+00	LT/RT	5,681	
F20	"L" 580+00	"L" 610+00	LT/RT	5,887	
F21	"L" 610+00	"L" 640+00	LT/RT	5,485	
F22	"L" 640+00	"L" 670+00	LT/RT	5,743	
F23	"L" 670+00	"L" 700+00	LT/RT	5,863	
F24	"L" 700+00	"L" 730+00	LT/RT	5,669	
F25	"L" 730+00	"L" 760+00	LT/RT	5,672	
F26	"L" 760+00	"L" 790+00	LT/RT	5,825	
F27	"L" 790+00	"L" 820+00	LT/RT	5,516	
F28	"L" 820+00	"L" 850+00	LT/RT	5,529	
F29	"L" 850+00	"L" 880+00	LT/RT	5,651	
F30	"L" 880+00	"L" 910+00	LT/RT	5,740	
F31	"L" 910+00	"L" 940+00	LT/RT	5,711	
F32	"L" 940+00	"L" 970+00	LT/RT	5,561	
F33	"L" 970+00	"L" 1000+00	LT/RT	5,587	
F34	"L" 1000+00	"L" 1010+18	LT/RT	1,894	
TOTAL:				186,546	TON
PAY ITEM QUANTITY:				187,000	TON

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SUMMARY TABLES

FIRM

DOWL

FILE

c:\dowl_pw\00117-D-SUM.dwg

ADDRESS

3030 VINTAGE BLVD, SUITE 200 JUNEAU, AK 99801

DATE

2/19/2026 15:42

LAYOUT

D2

PHONE

(907) 780-3533

CERT. OF AUTH. #

AECL848

CHECKED

RD

DRAFTED

301.0003.00E1 – AGGREGATE SURFACE COURSE, GRADING E–1

SHEET	STATION FROM	STATION TO	OFFSET	WEIGHT (TON)	REMARKS
F1	"L" 10+00	"L" 40+00	LT/RT	1,831	
F2	"L" 40+00	"L" 70+00	LT/RT	1,831	
F3	"L" 70+00	"L" 100+00	LT/RT	1,831	
F4	"L" 100+00	"L" 130+00	LT/RT	1,831	
F5	"L" 130+00	"L" 160+00	LT/RT	1,876	
F6	"L" 160+00	"L" 190+00	LT/RT	1,796	
F7	"L" 190+00	"L" 220+00	LT/RT	1,823	
F8	"L" 220+00	"L" 250+00	LT/RT	1,887	
F9	"L" 250+00	"L" 280+00	LT/RT	1,887	
F10	"L" 280+00	"L" 310+00	LT/RT	1,833	
F11	"L" 310+00	"L" 340+00	LT/RT	1,833	
F12	"L" 340+00	"L" 370+00	LT/RT	1,833	
F13	"L" 370+00	"L" 400+00	LT/RT	1,868	
F14	"L" 400+00	"L" 430+00	LT/RT	1,887	
F15	"L" 430+00	"L" 460+00	LT/RT	1,868	
F16	"L" 460+00	"L" 490+00	LT/RT	1,832	
F17	"L" 490+00	"L" 520+00	LT/RT	1,834	
F18	"L" 520+00	"L" 550+00	LT/RT	1,831	
F19	"L" 550+00	"L" 580+00	LT/RT	1,889	
F20	"L" 580+00	"L" 610+00	LT/RT	1,948	
F21	"L" 610+00	"L" 640+00	LT/RT	1,832	
F22	"L" 640+00	"L" 670+00	LT/RT	1,907	
F23	"L" 670+00	"L" 700+00	LT/RT	1,941	
F24	"L" 700+00	"L" 730+00	LT/RT	1,885	
F25	"L" 730+00	"L" 760+00	LT/RT	1,886	
F26	"L" 760+00	"L" 790+00	LT/RT	1,930	
F27	"L" 790+00	"L" 820+00	LT/RT	1,841	
F28	"L" 820+00	"L" 850+00	LT/RT	1,844	
F29	"L" 850+00	"L" 880+00	LT/RT	1,880	
F30	"L" 880+00	"L" 910+00	LT/RT	1,906	
F31	"L" 910+00	"L" 940+00	LT/RT	1,898	
F32	"L" 940+00	"L" 970+00	LT/RT	1,854	
F33	"L" 970+00	"L" 1000+00	LT/RT	1,862	
F34	"L" 1000+00	"L" 1010+18	LT/RT	631	
TOTAL:				62,146	TON
PAY ITEM QUANTITY:				63,000	TON

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	D2	D9

501.2007.0001 – HEADWALL, TYPE I

SHEET	PIPE ID	STATION FROM	STATION TO	OFFSET	QUANTITY (EACH)	REMARKS
F10	FP10–1	"L" 281+08	"L" 280+90	LT/RT	2	
F14	FP14–1	"L" 403+63	"L" 403+35	LT/RT	2	
F14	FP14–2	"L" 405+32	"L" 405+02	LT/RT	2	
F15	FP15–1	"L" 455+07	"L" 454+47	LT/RT	2	
F18	FP18–1	"L" 536+34	"L" 535+83	LT/RT	2	
F19	FP19–1	"L" 561+41	"L" 561+73	LT/RT	2	
F21	FP21–1	"L" 622+22	"L" 622+11	LT/RT	2	
F26	FP26–1	"L" 773+14	"L" 773+25	LT/RT	2	
TOTAL:					16	EACH
PAY ITEM QUANTITY:					16	EACH

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780–3533
CERT. OF AUTH. #
AECL848



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SUMMARY TABLES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	D3	D9

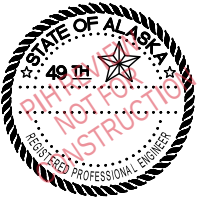
602.2012._____ - ALUMINUM STRUCTURAL PLATE PIPE, __'-0" DIAMETER, 10 GAUGE														
SHEET	PIPE ID	7 FEET	8 FEET	9 FEET	10 FEET	12 FEET	INLET			OUTLET			GRADE	REMARKS
		LENGTH (LF)	LENGTH (LF)	LENGTH (LF)	LENGTH (LF)	LENGTH (LF)	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F10	FP10-1			74.0			"L" 281+07.96	33.85' RT	69.03'	"L" 280+90.30	38.01' LT	67.79'	1.68%	
F14	FP14-1		64.0				"L" 403+62.60	28.34' RT	74.73'	"L" 403+35.44	29.60' LT	73.54'	1.87%	
F15	FP15-1				91.0		"L" 455+06.82	33.16' RT	41.62'	"L" 454+46.80	35.24' LT	40.49'	1.24%	
F18	FP18-1			87.0			"L" 536+33.68	32.24' RT	53.69'	"L" 535+82.90	38.35' LT	51.02'	3.07%	
F19	FP19-1	85.0					"L" 561+41.28	38.61' RT	42.14'	"L" 561+73.02	40.29' LT	41.72'	0.50%	
F21	FP21-1					86.0	"L" 622+21.60	42.62' RT	42.62'	"L" 622+10.89	42.71' LT	42.26'	0.42%	
F26	FP26-1				103.0		"L" 773+13.53	45.80' LT	56.42'	"L" 773+25.20	56.46' RT	52.36'	3.95%	
TOTAL:		85.0	64.0	161.0	194.0	86.0	LF							
PAY ITEM QUANTITY:		85	64	161	194	86	LF							

603.0009.0072 - CORRUGATED ALUMINUM PIPE 72 INCH										
SHEET	PIPE ID	LENGTH (LF)	INLET			OUTLET			GRADE	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F12	P12-2	74.0	"L" 355+97.30	33.84' RT	88.14'	"L" 356+14.69	38.06' LT	86.12'	2.72%	
F14	FP14-2	73.0	"L" 405+31.71	32.08' RT	76.59'	"L" 405+01.75	34.55' LT	74.40'	2.59%	
TOTAL:		147.0	LF							
PAY ITEM QUANTITY:		147	LF							

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	D4	D9

603.2032.0036 & 603.2033.0036 – CORRUGATED HDPE PIPE 36 INCH & END SECTION FOR CORRUGATED HDPE PIPE 36 INCH											
SHEET	PIPE ID	LENGTH (LF)	INLET			OUTLET			GRADE	END SECTION (EACH)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
F1	P1-1	64.1	"L" 12+74.76	28.99' RT	90.47'	"L" 12+65.64	34.40' LT	87.55'	4.56%	2	
F1	P1-2	55.6	"L" 22+49.92	25.56' RT	88.46'	"L" 22+63.11	28.38' LT	86.79'	3.01%	2	
F1	P1-3	48.6	"L" 29+25.58	22.45' RT	73.75'	"L" 29+28.00	26.07' LT	71.49'	4.65%	2	
F1	P1-4	56.4	"L" 34+22.36	27.00' RT	71.58'	"L" 34+24.53	29.31' LT	70.19'	2.48%	2	
F1	P1-5	50.5	"L" 38+50.01	24.17' RT	74.13'	"L" 38+56.46	25.91' LT	73.24'	1.75%	2	
F2	P2-1	47.6	"L" 52+41.43	23.81' LT	81.61'	"L" 52+40.45	23.79' RT	81.42'	0.41%	2	
F2	P2-2	49.6	"L" 60+97.75	23.79' RT	93.59'	"L" 60+97.40	25.76' LT	92.80'	1.60%	2	
F3	P3-1	47.8	"L" 75+88.88	22.45' LT	79.53'	"L" 75+90.00	25.35' RT	78.50'	2.16%	2	
F3	P3-2	50.0	"L" 78+97.83	24.21' LT	76.90'	"L" 78+99.00	25.80' RT	76.41'	0.99%	2	
F3	P3-3	49.4	"L" 97+19.14	24.54' LT	68.36'	"L" 97+19.14	24.82' RT	68.19'	0.33%	2	
F3	P3-4	51.2	"L" 99+47.73	25.14' LT	67.70'	"L" 99+46.67	26.02' RT	67.35'	0.68%	2	
F4	P4-1	55.8	"L" 105+17.47	24.27' LT	66.34'	"L" 105+17.78	31.53' RT	65.54'	1.45%	2	
F4	P4-2	49.4	"L" 110+51.56	24.89' LT	64.49'	"L" 110+53.08	24.45' RT	64.25'	0.48%	2	
F4	P4-3	48.0	"L" 116+83.92	23.73' LT	66.43'	"L" 116+81.60	24.22' RT	65.78'	1.35%	2	
F5	P5-1	48.4	"L" 130+63.97	24.22' RT	63.53'	"L" 130+64.07	24.18' LT	63.45'	0.16%	2	
F5	P5-2	50.3	"L" 137+38.60	25.26' RT	61.56'	"L" 137+35.66	24.94' LT	61.34'	0.44%	2	
F5	P5-3	47.6	"L" 154+50.77	22.98' LT	62.46'	"L" 154+50.45	24.59' RT	61.72'	1.55%	2	
F6	P6-1	47.4	"L" 160+77.89	22.97' RT	65.69'	"L" 160+80.55	24.35' LT	64.63'	2.25%	2	
F6	P6-2	58.8	"L" 179+64.86	23.30' RT	60.15'	"L" 179+69.97	35.30' LT	59.71'	0.75%	2	
F6	P6-3	48.4	"L" 183+75.75	23.03' RT	60.39'	"L" 183+71.49	25.17' LT	59.66'	1.52%	2	
F7	P7-1	48.4	"L" 213+05.20	23.85' RT	65.66'	"L" 213+01.78	24.43' LT	65.50'	0.34%	2	
F8	P8-1	47.2	"L" 246+72.79	23.14' LT	112.50'	"L" 246+74.58	24.04' RT	111.58'	1.96%	2	
F9	P9-1	54.9	"L" 251+80.51	25.20' LT	109.63'	"L" 251+85.06	29.46' RT	109.46'	0.30%	2	
F9	P9-2	48.2	"L" 265+41.72	23.46' RT	94.64'	"L" 265+42.61	24.72' LT	93.92'	1.49%	2	
F9	P9-3	51.1	"L" 267+44.44	24.55' RT	91.50'	"L" 267+45.25	26.54' LT	90.30'	2.34%	2	
F9	P9-4	51.8	"L" 274+41.38	25.74' LT	96.58'	"L" 274+38.37	25.92' RT	96.26'	0.63%	2	
F9	P9-5	53.8	"L" 276+56.07	27.75' RT	96.84'	"L" 276+52.02	25.89' LT	96.72'	0.22%	2	
F10	P10-1	46.5	"L" 292+25.93	21.49' RT	102.47'	"L" 292+24.83	24.91' LT	100.51'	4.24%	2	
F10	P10-2	58.6	"L" 296+27.49	26.04' RT	107.41'	"L" 296+06.22	28.57' LT	105.74'	2.86%	2	
F10	P10-3	60.9	"L" 302+58.69	30.49' RT	106.22'	"L" 302+54.16	30.26' LT	105.59'	1.03%	2	
F11	P11-1	66.9	"L" 312+81.07	32.89' RT	103.36'	"L" 312+76.58	33.86' LT	102.49'	1.31%	2	
F11	P11-2	47.0	"L" 320+28.00	23.13' RT	121.08'	"L" 320+29.19	23.85' LT	120.95'	0.27%	2	
F11	P11-3	59.3	"L" 328+89.00	35.06' RT	122.35'	"L" 328+92.00	24.20' LT	122.18'	0.28%	2	
F11	P11-4	46.8	"L" 330+71.44	23.68' RT	124.21'	"L" 330+70.39	23.13' LT	124.15'	0.13%	2	
F12	P12-1	49.5	"L" 349+49.59	23.58' RT	103.51'	"L" 349+49.91	25.94' LT	102.44'	2.16%	2	
F12	P12-3	65.8	"L" 360+97.13	25.21' RT	101.85'	"L" 360+54.41	24.80' LT	101.62'	0.35%	2	
F13	P13-1	55.0	"L" 370+17.02	26.12' LT	115.16'	"L" 370+17.19	28.89' RT	114.08'	1.96%	2	
F13	P13-2	62.1	"L" 373+16.47	30.25' RT	114.03'	"L" 373+16.66	31.89' RT	113.42'	0.98%	2	
F13	P13-3	54.0	"L" 379+01.33	26.74' RT	101.48'	"L" 379+02.21	27.22' LT	101.40'	0.15%	2	
F13	P13-4	73.0	"L" 391+61.10	32.73' LT	89.65'	"L" 391+66.02	39.98' RT	85.98'	5.03%	2	
F15	P15-1	72.7	"L" 432+17.97	36.40' RT	73.07'	"L" 432+29.09	35.42' LT	72.97'	0.14%	2	
F16	P16-1	49.1	"L" 471+03.94	24.01' LT	58.14'	"L" 471+04.68	25.06' RT	57.60'	1.11%	2	
F16	P16-2	65.0	"L" 478+55.56	30.56' LT	63.40'	"L" 478+63.51	33.96' RT	62.15'	1.92%	2	
F16	P16-3	63.7	"L" 489+57.07	31.59' RT	56.60'	"L" 489+66.89	31.39' LT	56.49'	0.16%	2	
F17	P17-1	48.9	"L" 503+10.65	23.78' RT	73.53'	"L" 503+14.46	24.94' LT	72.53'	2.04%	2	
F18	P18-1	51.4	"L" 524+29.43	24.95' RT	68.44'	"L" 524+30.33	26.44' LT	67.78'	1.28%	2	
F18	P18-2	53.1	"L" 527+03.02	25.95' RT	67.41'	"L" 527+02.02	27.16' LT	66.52'	1.68%	2	
F18	P18-3	49.4	"L" 544+82.39	21.86' RT	75.48'	"L" 544+79.30	27.33' LT	72.87'	5.28%	2	
F19	P19-1	56.0	"L" 556+80.60	27.71' RT	58.49'	"L" 556+84.68	28.18' LT	57.80'	1.23%	2	

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SUMMARY TABLES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	D5	D9

603.2032.0036 & 603.2033.0036 – CORRUGATED HDPE PIPE 36 INCH & END SECTION FOR CORRUGATED HDPE PIPE 36 INCH (CONT.)											
SHEET	PIPE ID	LENGTH (LF)	INLET			OUTLET			GRADE	END SECTION (EACH)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
F20	P20-1	62.2	"L" 591+24.24	30.04' RT	46.70'	"L" 591+34.25	31.37' LT	45.52'	1.90%	2	
F20	P20-2	62.9	"L" 604+62.07	21.20' LT	96.63'	"L" 604+63.55	41.46' RT	91.94'	7.48%	2	
F21	P21-1	54.6	"L" 614+02.75	27.54' LT	58.63'	"L" 614+02.71	27.07' RT	58.44'	0.35%	2	
F21	P21-2	48.8	"L" 637+14.48	23.69' RT	56.34'	"L" 637+13.87	25.14' LT	55.97'	0.76%	2	
F22	P22-1	61.3	"L" 641+08.22	24.74' RT	52.36'	"L" 641+06.47	36.29' LT	46.58'	9.48%	2	
F22	P22-2	49.5	"L" 648+19.98	22.15' RT	58.71'	"L" 648+16.80	27.22' LT	55.98'	5.52%	2	
F23	P23-1	70.0	"L" 680+17.27	33.81' LT	108.39'	"L" 680+14.47	36.14' RT	107.65'	1.06%	2	
F24	P24-1	51.1	"L" 706+62.20	25.45' RT	107.12'	"L" 706+60.47	25.61' LT	106.58'	1.06%	2	
F25	P25-1	60.9	"L" 740+15.83	29.74' LT	74.47'	"L" 740+13.72	31.15' RT	74.28'	0.30%	2	
F25	P25-2	50.2	"L" 752+46.88	24.58' LT	78.32'	"L" 752+52.33	25.28' RT	78.08'	0.49%	2	
F25	P25-3	59.5	"L" 757+74.09	28.78' LT	62.85'	"L" 757+63.36	29.71' RT	62.68'	0.29%	2	
F26	P26-1	60.4	"L" 765+19.34	27.53' LT	66.09'	"L" 765+25.74	32.43' RT	63.22'	4.76%	2	
F26	P26-2	59.7	"L" 770+22.48	28.81' LT	69.55'	"L" 770+18.77	30.81' RT	69.01'	0.90%	2	
F27	P27-1	51.0	"L" 794+40.73	22.37' LT	123.45'	"L" 794+43.82	28.46' RT	120.58'	5.63%	2	
F27	P27-2	54.6	"L" 801+51.93	25.40' LT	136.44'	"L" 801+44.03	28.62' RT	134.47'	3.60%	2	
F27	P27-3	73.2	"L" 805+98.90	26.66' LT	145.57'	"L" 806+31.92	38.38' RT	141.55'	5.51%	2	
F27	P27-4	78.4	"L" 809+24.63	35.71' LT	143.51'	"L" 809+18.65	42.38' RT	139.65'	4.93%	2	
F27	P27-5	90.6	"L" 818+08.77	43.39' LT	109.41'	"L" 818+10.53	47.18' RT	107.61'	1.98%	2	
F28	P28-1	72.8	"L" 835+07.77	35.28' LT	86.55'	"L" 835+29.96	34.05' RT	86.46'	0.13%	2	
F28	P28-2	57.3	"L" 840+20.99	25.72' LT	118.67'	"L" 840+17.19	31.40' RT	115.58'	5.41%	2	
F28	P28-3	55.4	"L" 849+31.22	21.59' LT	100.32'	"L" 849+39.38	32.98' RT	94.92'	9.78%	2	
F29	P29-1	64.1	"L" 853+99.53	31.56' LT	91.38'	"L" 853+82.88	30.31' RT	91.29'	0.13%	2	
F29	P29-2	47.5	"L" 862+59.24	21.14' RT	101.85'	"L" 862+62.94	26.14' LT	99.16'	5.68%	2	
F29	P29-3	51.8	"L" 872+68.14	26.05' LT	101.44'	"L" 872+64.36	25.65' RT	101.17'	0.52%	2	
F29	P29-4	70.2	"L" 876+89.85	22.75' LT	105.13'	"L" 877+34.06	31.73' RT	102.25'	4.10%	2	
F30	P30-1	50.5	"L" 884+17.26	21.08' LT	109.93'	"L" 884+17.87	29.29' RT	105.81'	8.17%	2	
F30	P30-2	55.6	"L" 891+48.28	27.66' LT	103.51'	"L" 891+45.61	27.87' RT	103.27'	0.43%	2	
F30	P30-3	48.6	"L" 898+85.74	23.04' RT	103.52'	"L" 898+84.35	25.56' LT	102.30'	2.52%	2	
F31	P31-1	54.1	"L" 929+36.45	24.95' RT	89.61'	"L" 929+47.25	28.02' LT	87.69'	3.54%	2	
F31	P31-2	50.5	"L" 937+25.66	21.30' LT	66.22'	"L" 937+33.28	28.46' RT	62.22'	7.95%	2	
F31	P31-3	57.0	"L" 938+21.87	26.30' LT	64.43'	"L" 938+35.88	29.00' RT	64.15'	0.48%	2	
F32	P32-1	67.6	"L" 952+94.51	33.42' RT	111.24'	"L" 952+94.89	34.17' LT	110.41'	1.23%	2	
F32	P32-2	87.1	"L" 958+85.33	43.92' RT	111.57'	"L" 958+88.01	43.15' LT	111.34'	0.28%	2	
F33	P33-1	68.9	"L" 975+26.59	28.23' RT	87.67'	"L" 975+13.83	39.33' LT	82.42'	7.64%	2	
F33	P33-2	50.5	"L" 993+90.49	23.27' LT	82.45'	"L" 993+92.93	27.12' RT	80.49'	3.87%	2	
TOTAL:		4,743.4	LF							168	EACH
PAY ITEM QUANTITY:		4,750	LF							168	EACH

611.0001.0001 – RIPRAP, CLASS I						
SHEET	PIPE ID	STATION FROM	STATION TO	OFFSET	VOLUME (CY)	REMARKS
F1	P1-1	"L" 12+75	"L" 12+66	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F1	P1-2	"L" 22+50	"L" 22+63	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F1	P1-3	"L" 29+26	"L" 29+28	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F1	P1-4	"L" 34+22	"L" 34+25	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F1	P1-5	"L" 38+50	"L" 38+56	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F2	P2-2	"L" 60+98	"L" 60+97	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F3	P3-1	"L" 75+89	"L" 75+90	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F3	P3-2	"L" 78+98	"L" 78+99	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F3	P3-4	"L" 99+48	"L" 99+47	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F4	P4-1	"L" 105+17	"L" 105+18	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F4	P4-3	"L" 116+84	"L" 116+82	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F5	P5-3	"L" 154+51	"L" 154+50	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F6	P6-1	"L" 160+78	"L" 160+81	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F6	P6-2	"L" 179+65	"L" 179+70	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F6	P6-3	"L" 183+76	"L" 183+71	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F8	P8-1	"L" 246+73	"L" 246+75	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F9	P9-2	"L" 265+42	"L" 265+43	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F9	P9-3	"L" 267+44	"L" 267+45	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F9	P9-4	"L" 274+41	"L" 274+38	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F10	FP10-1	"L" 281+08	"L" 280+90	LT/RT	28.3	SLOPE PROTECTIONS
F10	P10-1	"L" 292+26	"L" 292+25	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F10	P10-2	"L" 296+27	"L" 296+06	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F10	P10-3	"L" 302+59	"L" 302+54	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F11	P11-1	"L" 312+81	"L" 312+77	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F12	P12-1	"L" 349+50	"L" 349+50	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F13	P13-1	"L" 370+17	"L" 370+17	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F13	P13-2	"L" 373+16	"L" 373+17	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F13	P13-4	"L" 391+61	"L" 391+66	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F14	FP14-1	"L" 403+63	"L" 403+36	LT/RT	26.8	SLOPE PROTECTIONS
F14	FP14-2	"L" 405+32	"L" 405+02	LT/RT	25.2	SLOPE PROTECTIONS
F15	FP15-1	"L" 455+07	"L" 454+47	LT/RT	28.8	SLOPE PROTECTIONS
F16	P16-1	"L" 471+04	"L" 471+05	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F16	P16-2	"L" 478+56	"L" 478+64	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F17	P17-1	"L" 503+11	"L" 503+14	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F18	P18-1	"L" 524+29	"L" 524+30	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F18	P18-2	"L" 527+03	"L" 527+02	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F18	FP18-1	"L" 536+34	"L" 535+83	LT/RT	27.6	SLOPE PROTECTIONS
F18	P18-3	"L" 544+82	"L" 544+79	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F19	P19-1	"L" 556+81	"L" 556+85	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F19	FP19-1	"L" 561+42	"L" 561+72	LT/RT	26.5	SLOPE PROTECTIONS
F20	P20-1	"L" 591+24	"L" 591+34	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F20	P20-2	"L" 604+62	"L" 604+64	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F21	FP21-1	"L" 622+22	"L" 622+11	LT/RT	30.7	SLOPE PROTECTIONS
F21	P21-2	"L" 637+14	"L" 637+14	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F22	P22-1	"L" 641+08	"L" 641+06	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F22	P22-2	"L" 648+20	"L" 648+17	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F23	P23-1	"L" 680+17	"L" 680+14	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F24	P24-1	"L" 706+62	"L" 706+60	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F26	P26-1	"L" 765+19	"L" 765+26	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F26	P26-2	"L" 770+22	"L" 770+19	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F26	FP26-1	"L" 773+14	"L" 773+25	LT/RT	95.8	SLOPE PROTECTIONS
F27	P27-1	"L" 794+41	"L" 794+44	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F27	P27-2	"L" 801+52	"L" 801+44	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F27	P27-3	"L" 805+99	"L" 806+32	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F27	P27-4	"L" 809+25	"L" 809+19	LT/RT	136.6	OUTLET & INLET RIPRAP APRON

611.0001.0001 – RIPRAP, CLASS I (CONT.)						
SHEET	PIPE ID	STATION FROM	STATION TO	OFFSET	VOLUME (CY)	REMARKS
F27	P27-5	"L" 818+09	"L" 818+11	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F28	P28-2	"L" 840+21	"L" 840+17	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F28	P28-3	"L" 849+31	"L" 849+39	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F29	P29-2	"L" 862+59	"L" 862+63	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F29	P29-3	"L" 872+68	"L" 872+64	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F29	P29-4	"L" 876+90	"L" 877+34	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F30	P30-1	"L" 884+17	"L" 884+18	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F30	P30-3	"L" 898+86	"L" 898+84	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F31	P31-1	"L" 929+36	"L" 929+47	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F31	P31-2	"L" 937+26	"L" 937+33	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F32	P32-1	"L" 952+95	"L" 952+95	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F33	P33-1	"L" 975+27	"L" 975+14	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
F33	P33-2	"L" 993+90	"L" 993+93	LT/RT	136.6	OUTLET & INLET RIPRAP APRON
TOTAL:					8,485.7	CY
PAY ITEM QUANTITY:					8,500	CY

610.0002.0000 – DITCH LINING					
SHEET	STATION FROM	STATION TO	OFFSET	WEIGHT (TON)	REMARKS
F9	"L" 259+50	"L" 260+75	LT/RT	110.9	
F9	"L" 277+75	"L" 279+50	LT/RT	155.7	
F11	"L" 339+75	"L" 340+50	LT/RT	66.7	
F13	"L" 377+50	"L" 378+00	LT/RT	44.4	
F13	"L" 387+25	"L" 389+50	LT/RT	199.8	
F14	"L" 413+75	"L" 415+00	LT/RT	111.1	
F15	"L" 447+25	"L" 449+75	LT/RT	222.7	
F15	"L" 450+50	"L" 453+50	LT/RT	266.6	
F17	"L" 494+50	"L" 497+00	LT/RT	222.2	
F17	"L" 511+00	"L" 513+50	LT/RT	222.2	
F17	"L" 515+50	"L" 518+25	LT/RT	244.2	
F18	"L" 533+25	"L" 535+00	LT/RT	155.6	
F19	"L" 563+25	"L" 566+00	LT/RT	245.6	
F20	"L" 581+50	"L" 583+00	LT/RT	133.3	
F20	"L" 587+75	"L" 589+50	LT/RT	155.6	
F20	"L" 593+00	"L" 596+50	LT/RT	311.1	
F20	"L" 607+50	"L" 611+25	LT/RT	333.3	
F22	"L" 651+75	"L" 657+50	LT/RT	511.3	
F23	"L" 676+75	"L" 679+50	LT/RT	244.4	
F23	"L" 683+75	"L" 684+25	LT/RT	44.4	
F23	"L" 695+50	"L" 697+25	LT/RT	155.8	
F23	"L" 699+75	"L" 702+25	LT/RT	222.2	
F24	"L" 708+00	"L" 710+75	LT/RT	244.3	
F24	"L" 719+25	"L" 721+25	LT/RT	177.7	
F24	"L" 729+75	"L" 732+25	LT/RT	221.9	
F25	"L" 737+75	"L" 738+00	LT/RT	22.2	
TOTAL:				5,045.2	TON
PAY ITEM QUANTITY:				5,050	TON

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SUMMARY TABLES

FIRM

DOWL

FILE

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ADDRESS

3030 VINTAGE BLVD, SUITE 200 JUNEAU, AK 99801

DATE

2/19/2026

LAYOUT

D7

PHONE

(907) 780-3533

DESIGNED

ROP

CHECKED

ROP

CERT. OF AUTH. #

AECL848

DRAFTED

613.0002.0000 – CULVERT MARKER POST						
SHEET	PIPE ID	STATION FROM	STATION TO	OFFSET	QUANTITY (EACH)	REMARKS
F1	P1-1	"L" 12+75	"L" 12+66	LT/RT	2	
F1	P1-2	"L" 22+50	"L" 22+63	LT/RT	2	
F1	P1-3	"L" 29+26	"L" 29+28	LT/RT	2	
F1	P1-4	"L" 34+22	"L" 34+25	LT/RT	2	
F1	P1-5	"L" 38+50	"L" 38+56	LT/RT	2	
F2	P2-1	"L" 52+41	"L" 52+40	LT/RT	2	
F2	P2-2	"L" 60+98	"L" 60+97	LT/RT	2	
F3	P3-1	"L" 75+89	"L" 75+90	LT/RT	2	
F3	P3-2	"L" 78+98	"L" 78+99	LT/RT	2	
F3	P3-3	"L" 97+19	"L" 97+19	LT/RT	2	
F3	P3-4	"L" 99+48	"L" 99+47	LT/RT	2	
F4	P4-1	"L" 105+17	"L" 105+18	LT/RT	2	
F4	P4-2	"L" 110+52	"L" 110+53	LT/RT	2	
F4	P4-3	"L" 116+84	"L" 116+82	LT/RT	2	
F5	P5-1	"L" 130+64	"L" 130+64	LT/RT	2	
F5	P5-2	"L" 137+39	"L" 137+36	LT/RT	2	
F5	P5-3	"L" 154+51	"L" 154+50	LT/RT	2	
F6	P6-1	"L" 160+78	"L" 160+81	LT/RT	2	
F6	P6-2	"L" 179+65	"L" 179+70	LT/RT	2	
F6	P6-3	"L" 183+76	"L" 183+71	LT/RT	2	
F7	P7-1	"L" 213+05	"L" 213+02	LT/RT	2	
F8	P8-1	"L" 246+73	"L" 246+75	LT/RT	2	
F9	P9-1	"L" 251+81	"L" 251+85	LT/RT	2	
F9	P9-2	"L" 265+42	"L" 265+43	LT/RT	2	
F9	P9-3	"L" 267+44	"L" 267+45	LT/RT	2	
F9	P9-4	"L" 274+41	"L" 274+38	LT/RT	2	
F9	P9-5	"L" 276+56	"L" 276+52	LT/RT	2	
F10	FP10-1	"L" 281+08	"L" 280+90	LT/RT	2	
F10	P10-1	"L" 292+26	"L" 292+25	LT/RT	2	
F10	P10-2	"L" 296+27	"L" 296+06	LT/RT	2	
F10	P10-3	"L" 302+59	"L" 302+54	LT/RT	2	
F11	P11-1	"L" 312+81	"L" 312+77	LT/RT	2	
F11	P11-2	"L" 320+28	"L" 320+29	LT/RT	2	
F11	P11-3	"L" 328+89	"L" 328+92	LT/RT	2	
F11	P11-4	"L" 330+71	"L" 330+70	LT/RT	2	
F12	P12-1	"L" 349+50	"L" 349+50	LT/RT	2	
F12	P12-2	"L" 355+97	"L" 356+15	LT/RT	2	
F12	P12-3	"L" 360+97	"L" 360+54	LT/RT	2	
F13	P13-1	"L" 370+17	"L" 370+17	LT/RT	2	
F13	P13-2	"L" 373+16	"L" 373+17	LT/RT	2	
F13	P13-3	"L" 379+01	"L" 379+02	LT/RT	2	
F13	P13-4	"L" 391+61	"L" 391+66	LT/RT	2	
F14	FP14-1	"L" 403+63	"L" 403+35	LT/RT	2	
F14	FP14-2	"L" 405+32	"L" 405+02	LT/RT	2	
F15	P15-1	"L" 432+18	"L" 432+29	LT/RT	2	
F15	FP15-1	"L" 455+07	"L" 454+47	LT/RT	2	
F16	P16-1	"L" 471+04	"L" 471+05	LT/RT	2	
F16	P16-2	"L" 478+56	"L" 478+64	LT/RT	2	
F16	P16-3	"L" 489+57	"L" 489+67	LT/RT	2	
F17	P17-1	"L" 503+11	"L" 503+14	LT/RT	2	
F18	P18-1	"L" 524+29	"L" 524+30	LT/RT	2	
F18	P18-2	"L" 527+03	"L" 527+02	LT/RT	2	
F18	FP18-1	"L" 536+34	"L" 535+83	LT/RT	2	
F18	P18-3	"L" 544+82	"L" 544+79	LT/RT	2	
F19	P19-1	"L" 556+81	"L" 556+85	LT/RT	2	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	D7	D9

613.0002.0000 – CULVERT MARKER POST (CONT.)						
SHEET	PIPE ID	STATION FROM	STATION TO	OFFSET	QUANTITY (EACH)	REMARKS
F19	FP19-1	"L" 561+41	"L" 561+73	LT/RT	2	
F20	P20-1	"L" 591+24	"L" 591+34	LT/RT	2	
F20	P20-2	"L" 604+62	"L" 604+64	LT/RT	2	
F21	P21-1	"L" 614+03	"L" 614+03	LT/RT	2	
F21	FP21-1	"L" 622+22	"L" 622+11	LT/RT	2	
F21	P21-2	"L" 637+14	"L" 637+14	LT/RT	2	
F22	P22-1	"L" 641+08	"L" 641+06	LT/RT	2	
F22	P22-2	"L" 648+20	"L" 648+17	LT/RT	2	
F23	P23-1	"L" 680+17	"L" 680+14	LT/RT	2	
F24	P24-1	"L" 706+62	"L" 706+60	LT/RT	2	
F25	P25-1	"L" 740+16	"L" 740+14	LT/RT	2	
F25	P25-2	"L" 752+47	"L" 752+52	LT/RT	2	
F25	P25-3	"L" 757+74	"L" 757+63	LT/RT	2	
F26	P26-1	"L" 765+19	"L" 765+26	LT/RT	2	
F26	P26-2	"L" 770+22	"L" 770+19	LT/RT	2	
F26	FP26-1	"L" 773+14	"L" 773+25	LT/RT	2	
F27	P27-1	"L" 794+41	"L" 794+44	LT/RT	2	
F27	P27-2	"L" 801+52	"L" 801+44	LT/RT	2	
F27	P27-3	"L" 805+99	"L" 806+32	LT/RT	2	
F27	P27-4	"L" 809+25	"L" 809+19	LT/RT	2	
F27	P27-5	"L" 818+09	"L" 818+11	LT/RT	2	
F28	P28-1	"L" 835+08	"L" 835+30	LT/RT	2	
F28	P28-2	"L" 840+21	"L" 840+17	LT/RT	2	
F28	P28-3	"L" 849+31	"L" 849+39	LT/RT	2	
F29	P29-1	"L" 854+00	"L" 853+83	LT/RT	2	
F29	P29-2	"L" 862+59	"L" 862+63	LT/RT	2	
F29	P29-3	"L" 872+68	"L" 872+64	LT/RT	2	
F29	P29-4	"L" 876+90	"L" 877+34	LT/RT	2	
F30	P30-1	"L" 884+17	"L" 884+18	LT/RT	2	
F30	P30-2	"L" 891+48	"L" 891+46	LT/RT	2	
F30	P30-3	"L" 898+86	"L" 898+84	LT/RT	2	
F31	P31-1	"L" 929+36	"L" 929+47	LT/RT	2	
F31	P31-2	"L" 937+26	"L" 937+33	LT/RT	2	
F31	P31-3	"L" 938+22	"L" 938+36	LT/RT	2	
F32	P32-1	"L" 952+95	"L" 952+95	LT/RT	2	
F32	P32-2	"L" 958+85	"L" 958+88	LT/RT	2	
F33	P33-1	"L" 975+27	"L" 975+14	LT/RT	2	
F33	P33-2	"L" 993+90	"L" 993+93	LT/RT	2	
TOTAL:					186	EACH
PAY ITEM QUANTITY:					186	EACH

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SUMMARY TABLES

FIRM

DOWL

FILE

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ADDRESS

3030 VINTAGE BLVD, SUITE 200 JUNEAU, AK 99801

DATE

2/19/2026 15:42

LAYOUT

D8

PHONE

(907) 780-3533

CERT. OF AUTH. #

AECL848

DESIGNED

ROP

CHECKED

ROP

DRAFTED

618.0001.0000 – SEEDING

SHEET	STATION FROM	STATION TO	OFFSET	AREA (ACRE)	REMARKS
F1	"L" 10+00	"L" 40+00	LT/RT	2.45	
F2	"L" 40+00	"L" 70+00	LT/RT	2.22	
F3	"L" 70+00	"L" 100+00	LT/RT	2.26	
F4	"L" 100+00	"L" 130+00	LT/RT	2.37	
F5	"L" 130+00	"L" 160+00	LT/RT	3.30	
F6	"L" 160+00	"L" 190+00	LT/RT	2.21	
F7	"L" 190+00	"L" 220+00	LT/RT	2.21	
F8	"L" 220+00	"L" 250+00	LT/RT	8.10	
F9	"L" 250+00	"L" 280+00	LT/RT	2.25	
F10	"L" 280+00	"L" 310+00	LT/RT	5.65	
F11	"L" 310+00	"L" 340+00	LT/RT	2.31	
F12	"L" 340+00	"L" 370+00	LT/RT	2.46	
F13	"L" 370+00	"L" 400+00	LT/RT	5.30	
F14	"L" 400+00	"L" 430+00	LT/RT	11.64	
F15	"L" 430+00	"L" 460+00	LT/RT	5.16	
F16	"L" 460+00	"L" 490+00	LT/RT	2.48	
F17	"L" 490+00	"L" 520+00	LT/RT	6.10	
F18	"L" 520+00	"L" 550+00	LT/RT	2.50	
F19	"L" 550+00	"L" 580+00	LT/RT	2.46	
F20	"L" 580+00	"L" 610+00	LT/RT	5.83	
F21	"L" 610+00	"L" 640+00	LT/RT	2.37	
F22	"L" 640+00	"L" 670+00	LT/RT	2.51	
F23	"L" 670+00	"L" 700+00	LT/RT	3.69	
F24	"L" 700+00	"L" 730+00	LT/RT	2.44	
F25	"L" 730+00	"L" 760+00	LT/RT	2.62	
F26	"L" 760+00	"L" 790+00	LT/RT	8.68	
F27	"L" 790+00	"L" 820+00	LT/RT	3.00	
F28	"L" 820+00	"L" 850+00	LT/RT	6.58	
F29	"L" 850+00	"L" 880+00	LT/RT	3.99	
F30	"L" 880+00	"L" 910+00	LT/RT	3.88	
F31	"L" 910+00	"L" 940+00	LT/RT	3.60	
F32	"L" 940+00	"L" 970+00	LT/RT	3.09	
F33	"L" 970+00	"L" 1000+00	LT/RT	2.49	
F34	"L" 1000+00	"L" 1010+18	LT/RT	0.98	
TOTAL:				129.18	ACRE
PAY ITEM QUANTITY:				130	ACRE

NO.

DATE

REVISION

STATE

PROJECT DESIGNATION

YEAR

SHEET NO.

TOTAL SHEETS

ALASKA

SSHWHY00117

2026

D8

D9

630.0002.0001 – GEOTEXTILE, STABILIZATION, CLASS 1

SHEET	PIPE ID	STATION FROM	STATION TO	OFFSET	AREA (SY)	REMARKS
F1	--	"L" 10+00	"L" 40+00	LT/RT	6,569.0	ROADWAY
F1	P1-1	"L" 12+75	"L" 12+66	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F1	P1-2	"L" 22+50	"L" 22+63	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F1	P1-3	"L" 29+26	"L" 29+28	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F1	P1-4	"L" 34+22	"L" 34+25	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F1	P1-5	"L" 38+50	"L" 38+56	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F2	--	"L" 40+00	"L" 70+00	LT/RT	6,567.0	ROADWAY
F2	P2-2	"L" 60+98	"L" 60+97	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F3	--	"L" 70+00	"L" 100+00	LT/RT	6,568.4	ROADWAY
F3	P3-1	"L" 75+89	"L" 75+90	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F3	P3-2	"L" 78+98	"L" 78+99	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F3	P3-4	"L" 99+48	"L" 99+47	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F4	--	"L" 100+00	"L" 130+00	LT/RT	6,569.6	ROADWAY
F4	P4-1	"L" 105+17	"L" 105+18	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F4	P4-3	"L" 116+84	"L" 116+82	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F5	--	"L" 130+00	"L" 160+00	LT/RT	6,707.7	ROADWAY
F5	P5-3	"L" 154+51	"L" 154+50	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F6	--	"L" 160+00	"L" 190+00	LT/RT	6,460.6	ROADWAY
F6	P6-1	"L" 160+78	"L" 160+81	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F6	P6-2	"L" 179+65	"L" 179+70	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F6	P6-3	"L" 183+76	"L" 183+71	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F7	--	"L" 190+00	"L" 220+00	LT/RT	6,544.9	ROADWAY
F8	--	"L" 220+00	"L" 250+00	LT/RT	6,741.2	ROADWAY
F8	P8-1	"L" 246+73	"L" 246+75	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F9	--	"L" 250+00	"L" 280+00	LT/RT	6,741.9	ROADWAY
F9	P9-2	"L" 265+42	"L" 265+43	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F9	P9-3	"L" 267+44	"L" 267+45	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F9	P9-4	"L" 274+41	"L" 274+38	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F10	--	"L" 280+00	"L" 310+00	LT/RT	6,574.3	ROADWAY
F10	FP10-1	"L" 281+08	"L" 280+90	LT/RT	35.4	SLOPE PROTECTIONS
F10	P10-1	"L" 292+26	"L" 292+25	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F10	P10-2	"L" 296+27	"L" 296+06	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F10	P10-3	"L" 302+59	"L" 302+54	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F11	--	"L" 310+00	"L" 340+00	LT/RT	6,573.7	ROADWAY
F11	P11-1	"L" 312+81	"L" 312+77	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F12	--	"L" 340+00	"L" 370+00	LT/RT	6,576.8	ROADWAY
F12	P12-1	"L" 349+50	"L" 349+50	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F12	P12-2	"L" 355+97	"L" 356+15	LT/RT	75.4	OUTLET & INLET RIPRAP APRON
F13	--	"L" 370+00	"L" 400+00	LT/RT	6,681.5	ROADWAY
F13	P13-1	"L" 370+17	"L" 370+17	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F13	P13-2	"L" 373+16	"L" 373+17	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F13	P13-4	"L" 391+61	"L" 391+66	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F14	--	"L" 400+00	"L" 430+00	LT/RT	6,742.7	ROADWAY
F14	FP14-1	"L" 403+63	"L" 403+36	LT/RT	33.4	SLOPE PROTECTIONS
F14	FP14-2	"L" 405+32	"L" 405+02	LT/RT	30.6	SLOPE PROTECTIONS
F15	--	"L" 430+00	"L" 460+00	LT/RT	6,682.7	ROADWAY
F15	FP15-1	"L" 455+07	"L" 454+47	LT/RT	36.2	SLOPE PROTECTIONS
F16	--	"L" 460+00	"L" 490+00	LT/RT	6,570.8	ROADWAY

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SUMMARY TABLES

630.0002.0001 – GEOTEXTILE, STABILIZATION, CLASS 1 (CONT.)						
SHEET	PIPE ID	STATION FROM	STATION TO	OFFSET	AREA (SY)	REMARKS
F16	P16-1	"L" 471+04	"L" 471+05	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F16	P16-2	"L" 478+56	"L" 478+64	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F17	--	"L" 490+00	"L" 520+00	LT/RT	6,578.0	ROADWAY
F17	P17-1	"L" 503+11	"L" 503+14	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F18	--	"L" 520+00	"L" 550+00	LT/RT	6,568.2	ROADWAY
F18	P18-1	"L" 524+29	"L" 524+30	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F18	P18-2	"L" 527+03	"L" 527+02	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F18	FP18-1	"L" 536+34	"L" 535+83	LT/RT	34.3	SLOPE PROTECTIONS
F18	P18-3	"L" 544+82	"L" 544+79	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F19	--	"L" 550+00	"L" 580+00	LT/RT	6,745.8	ROADWAY
F19	P19-1	"L" 556+81	"L" 556+85	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F19	FP19-1	"L" 561+42	"L" 561+72	LT/RT	32.5	SLOPE PROTECTIONS
F20	--	"L" 580+00	"L" 610+00	LT/RT	6,927.5	ROADWAY
F20	P20-1	"L" 591+24	"L" 591+34	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F20	P20-2	"L" 604+62	"L" 604+64	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F21	--	"L" 610+00	"L" 640+00	LT/RT	6,573.4	ROADWAY
F21	FP21-1	"L" 622+22	"L" 622+11	LT/RT	38.8	SLOPE PROTECTIONS
F21	P21-2	"L" 637+14	"L" 637+14	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F22	--	"L" 640+00	"L" 670+00	LT/RT	6,802.6	ROADWAY
F22	P22-1	"L" 641+08	"L" 641+06	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F22	P22-2	"L" 648+20	"L" 648+17	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F23	--	"L" 670+00	"L" 700+00	LT/RT	6,906.3	ROADWAY
F23	P23-1	"L" 680+17	"L" 680+14	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F24	--	"L" 700+00	"L" 730+00	LT/RT	6,735.1	ROADWAY
F24	P24-1	"L" 706+62	"L" 706+60	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F25	--	"L" 730+00	"L" 760+00	LT/RT	6,738.4	ROADWAY
F26	--	"L" 760+00	"L" 790+00	LT/RT	6,871.6	ROADWAY
F26	P26-1	"L" 765+19	"L" 765+26	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F26	P26-2	"L" 770+22	"L" 770+19	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F26	FP26-1	"L" 773+14	"L" 773+25	LT/RT	116.7	SLOPE PROTECTIONS
F27	--	"L" 790+00	"L" 820+00	LT/RT	6,600.5	ROADWAY
F27	P27-1	"L" 794+41	"L" 794+44	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F27	P27-2	"L" 801+52	"L" 801+44	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F27	P27-3	"L" 805+99	"L" 806+32	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F27	P27-4	"L" 809+25	"L" 809+19	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F27	P27-5	"L" 818+09	"L" 818+11	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F28	--	"L" 820+00	"L" 850+00	LT/RT	6,604.3	ROADWAY
F28	P28-2	"L" 840+21	"L" 840+17	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F28	P28-3	"L" 849+31	"L" 849+39	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F29	--	"L" 850+00	"L" 880+00	LT/RT	6,721.8	ROADWAY
F29	P29-2	"L" 862+59	"L" 862+63	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F29	P29-3	"L" 872+68	"L" 872+64	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F29	P29-4	"L" 876+90	"L" 877+34	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F30	--	"L" 880+00	"L" 910+00	LT/RT	6,800.5	ROADWAY
F30	P30-1	"L" 884+17	"L" 884+18	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F30	P30-3	"L" 898+86	"L" 898+84	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F31	--	"L" 910+00	"L" 940+00	LT/RT	6,780.1	ROADWAY
F31	P31-1	"L" 929+36	"L" 929+47	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F31	P31-2	"L" 937+26	"L" 937+33	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F32	--	"L" 940+00	"L" 970+00	LT/RT	6,641.1	ROADWAY
F32	P32-1	"L" 952+95	"L" 952+95	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F33	--	"L" 970+00	"L" 1000+00	LT/RT	6,665.4	ROADWAY
F33	P33-1	"L" 975+27	"L" 975+14	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F33	P33-2	"L" 993+90	"L" 993+93	LT/RT	87.2	OUTLET & INLET RIPRAP APRON
F34	--	"L" 1000+00	"L" 1010+18	LT/RT	2,259.5	ROADWAY
TOTAL:					228,058.2	SY
PAY ITEM QUANTITY:					229,000	SY

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	D9	D9

671.2001.0000 – BANK CONSTRUCTION, BANK REVEGETATION AND PROTECTION						
SHEET	PIPE ID	STATION FROM	STATION TO	OFFSET	LENGTH (LF)	REMARKS
F10	FP10-1	"L" 281+08	"L" 280+90	LT/RT	10.3	
F14	FP14-1	"L" 403+63	"L" 403+35	LT/RT	13.9	
F14	FP14-2	"L" 405+32	"L" 405+02	LT/RT	8.0	
F15	FP15-1	"L" 455+07	"L" 454+47	LT/RT	12.5	
F18	FP18-1	"L" 536+34	"L" 535+83	LT/RT	18.0	
F19	FP19-1	"L" 561+41	"L" 561+73	LT/RT	8.4	
F21	FP21-1	"L" 622+22	"L" 622+11	LT/RT	15.7	
F26	FP26-1	"L" 773+14	"L" 773+25	LT/RT	23.3	
TOTAL:					110.1	LF
PAY ITEM QUANTITY:					111	LF

671.2004.0000 – STREAM SUBSTRATE						
SHEET	PIPE ID	STATION FROM	STATION TO	OFFSET	VOLUME (CY)	REMARKS
F10	FP10-1	"L" 281+08	"L" 280+90	LT/RT	97.6	
F14	FP14-1	"L" 403+63	"L" 403+35	LT/RT	72.9	
F14	FP14-2	"L" 405+32	"L" 405+02	LT/RT	38.8	
F15	FP15-1	"L" 455+07	"L" 454+47	LT/RT	149.2	
F18	FP18-1	"L" 536+34	"L" 535+83	LT/RT	117.4	
F19	FP19-1	"L" 561+41	"L" 561+73	LT/RT	65.9	
F21	FP21-1	"L" 622+22	"L" 622+11	LT/RT	197.2	
F26	FP26-1	"L" 773+14	"L" 773+25	LT/RT	197.1	
TOTAL:					936.1	CY
PAY ITEM QUANTITY:					940	CY

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848

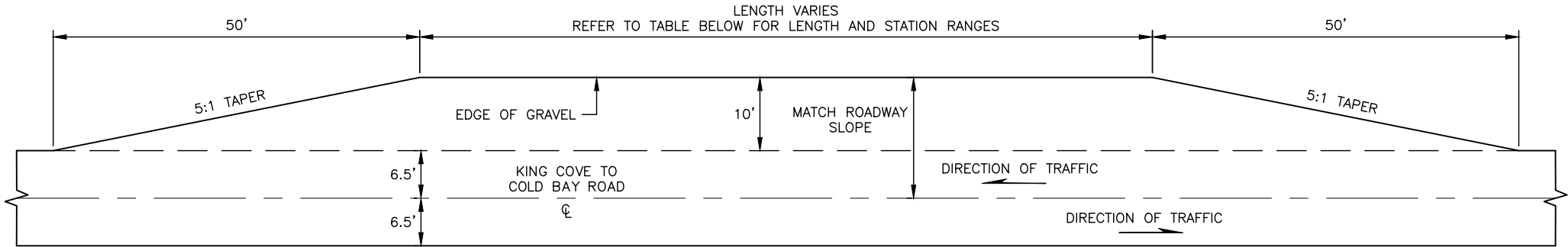


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SUMMARY TABLES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	E1	E9



1
E1 TURNOUT PLAN VIEW
SCALE: NTS

LOCATION AND LENGTH OF TURNOUTS				
SHEET	STATION FROM	STATION TO	OFFSET	LENGTH (FT)
F1	"L" 18+00	"L" 19+00	RT	100
F1	"L" 25+00	"L" 26+00	RT	100
F1	"L" 36+00	"L" 37+00	RT	100
F2	"L" 47+00	"L" 48+00	RT	100
F2	"L" 57+00	"L" 58+00	RT	100
F2	"L" 66+00	"L" 67+00	RT	100
F3	"L" 77+00	"L" 78+00	RT	100
F3	"L" 87+00	"L" 88+00	RT	100
F3	"L" 93+00	"L" 94+00	RT	100
F4	"L" 104+00	"L" 105+00	RT	100
F4	"L" 115+00	"L" 116+00	LT	100
F4	"L" 124+50	"L" 125+50	LT	100
F5	"L" 133+00	"L" 134+00	RT	100
F5	"L" 143+00	"L" 144+00	RT	100
F5	"L" 148+00	"L" 149+00	LT	100
F5	"L" 159+00	"L" 160+00	RT	100
F6	"L" 168+00	"L" 169+00	RT	100
F6	"L" 179+00	"L" 180+00	LT	100
F7	"L" 190+00	"L" 191+00	RT	100
F7	"L" 201+00	"L" 202+00	LT	100
F7	"L" 210+50	"L" 211+50	RT	100
F8	"L" 221+00	"L" 222+00	RT	100
F8	"L" 228+00	"L" 229+00	RT	100
F8	"L" 235+50	"L" 236+50	RT	100
F8	"L" 243+00	"L" 244+00	LT	100
F9	"L" 250+50	"L" 251+50	RT	100
F9	"L" 257+50	"L" 258+50	LT	100
F9	"L" 268+00	"L" 269+00	RT	100
F9	"L" 277+00	"L" 278+00	RT	100
F10	"L" 287+75	"L" 288+75	RT	100
F10	"L" 298+00	"L" 299+00	LT	100
F10	"L" 307+50	"L" 308+50	RT	100
F11	"L" 317+50	"L" 318+50	LT	100
F11	"L" 328+00	"L" 329+00	RT	100
F11	"L" 337+50	"L" 338+50	RT	100
F12	"L" 348+00	"L" 349+00	LT	100
F12	"L" 358+50	"L" 359+50	RT	100
F12	"L" 368+00	"L" 369+00	RT	100
F13	"L" 375+50	"L" 376+50	LT	100
F13	"L" 382+00	"L" 383+00	LT	100
F13	"L" 393+00	"L" 395+00	RT	200

LOCATION AND LENGTH OF TURNOUTS (CONT.)				
SHEET	STATION FROM	STATION TO	OFFSET	LENGTH (FT)
F14	"L" 401+50	"L" 402+50	LT	100
F14	"L" 408+00	"L" 409+00	RT	100
F14	"L" 416+00	"L" 417+00	LT	100
F14	"L" 424+00	"L" 425+00	RT	100
F15	"L" 435+00	"L" 436+50	RT	150
F15	"L" 446+50	"L" 448+00	LT	150
F15	"L" 456+00	"L" 457+00	RT	100
F16	"L" 464+50	"L" 465+50	LT	100
F16	"L" 474+50	"L" 475+50	RT	100
F16	"L" 485+50	"L" 486+50	RT	100
F17	"L" 496+50	"L" 497+50	RT	100
F17	"L" 506+00	"L" 507+00	LT	100
F17	"L" 513+50	"L" 514+50	RT	100
F18	"L" 521+00	"L" 522+00	LT	100
F18	"L" 531+50	"L" 532+50	LT	100
F18	"L" 542+00	"L" 543+00	LT	100
F19	"L" 550+50	"L" 551+50	LT	100
F19	"L" 558+00	"L" 559+00	LT	100
F19	"L" 565+00	"L" 566+00	LT	100
F19	"L" 574+00	"L" 575+00	LT	100
F20	"L" 580+25	"L" 581+25	LT	100
F20	"L" 588+50	"L" 589+50	LT	100
F20	"L" 597+00	"L" 598+00	RT	100
F20	"L" 604+00	"L" 606+50	RT	250
F21	"L" 616+50	"L" 617+50	LT	100
F21	"L" 624+50	"L" 625+50	RT	100
F21	"L" 632+00	"L" 633+00	RT	100
F22	"L" 643+00	"L" 644+00	LT	100
F22	"L" 652+00	"L" 653+00	RT	100
F22	"L" 657+00	"L" 658+00	RT	100
F22	"L" 664+00	"L" 665+00	LT	100
F23	"L" 672+00	"L" 675+50	RT	350
F23	"L" 685+50	"L" 687+00	RT	150
F23	"L" 697+00	"L" 698+00	LT	100
F24	"L" 704+00	"L" 705+00	RT	100
F24	"L" 711+50	"L" 712+50	RT	100
F24	"L" 717+00	"L" 718+00	RT	100
F24	"L" 728+00	"L" 729+00	RT	100
F25	"L" 735+50	"L" 736+50	RT	100
F25	"L" 742+00	"L" 743+00	RT	100
F25	"L" 749+50	"L" 750+50	RT	100

LOCATION AND LENGTH OF TURNOUTS (CONT.)				
SHEET	STATION FROM	STATION TO	OFFSET	LENGTH (FT)
F25	"L" 754+50	"L" 755+50	RT	100
F26	"L" 761+00	"L" 762+00	RT	100
F26	"L" 768+00	"L" 769+00	RT	100
F26	"L" 779+00	"L" 780+00	LT	100
F26	"L" 784+25	"L" 785+25	LT	100
F26	"L" 789+00	"L" 790+00	LT	100
F27	"L" 798+50	"L" 799+50	RT	100
F27	"L" 806+75	"L" 807+75	RT	100
F27	"L" 812+25	"L" 813+25	RT	100
F28	"L" 823+00	"L" 824+00	RT	100
F28	"L" 833+00	"L" 834+00	RT	100
F28	"L" 843+00	"L" 844+50	LT	150
F29	"L" 851+00	"L" 852+00	LT	100
F29	"L" 857+00	"L" 858+00	RT	100
F29	"L" 868+00	"L" 869+00	LT	100
F29	"L" 879+50	"L" 880+50	LT	100
F30	"L" 886+00	"L" 887+00	RT	100
F30	"L" 893+50	"L" 894+50	RT	100
F30	"L" 902+50	"L" 903+50	LT	100
F30	"L" 909+00	"L" 910+00	LT	100
F31	"L" 913+50	"L" 914+50	RT	100
F31	"L" 922+75	"L" 923+75	RT	100
F31	"L" 932+50	"L" 933+50	LT	100
F31	"L" 938+75	"L" 939+75	LT	100
F32	"L" 946+50	"L" 948+00	RT	150
F32	"L" 955+00	"L" 956+00	LT	100
F32	"L" 962+00	"L" 963+00	RT	100
F33	"L" 970+50	"L" 971+50	LT	100
F33	"L" 979+50	"L" 980+50	LT	100
F33	"L" 988+50	"L" 989+50	LT	100
F33	"L" 999+50	"L" 1001+50	RT	200

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848

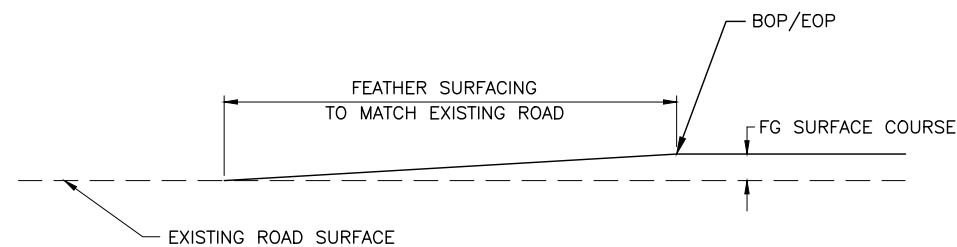
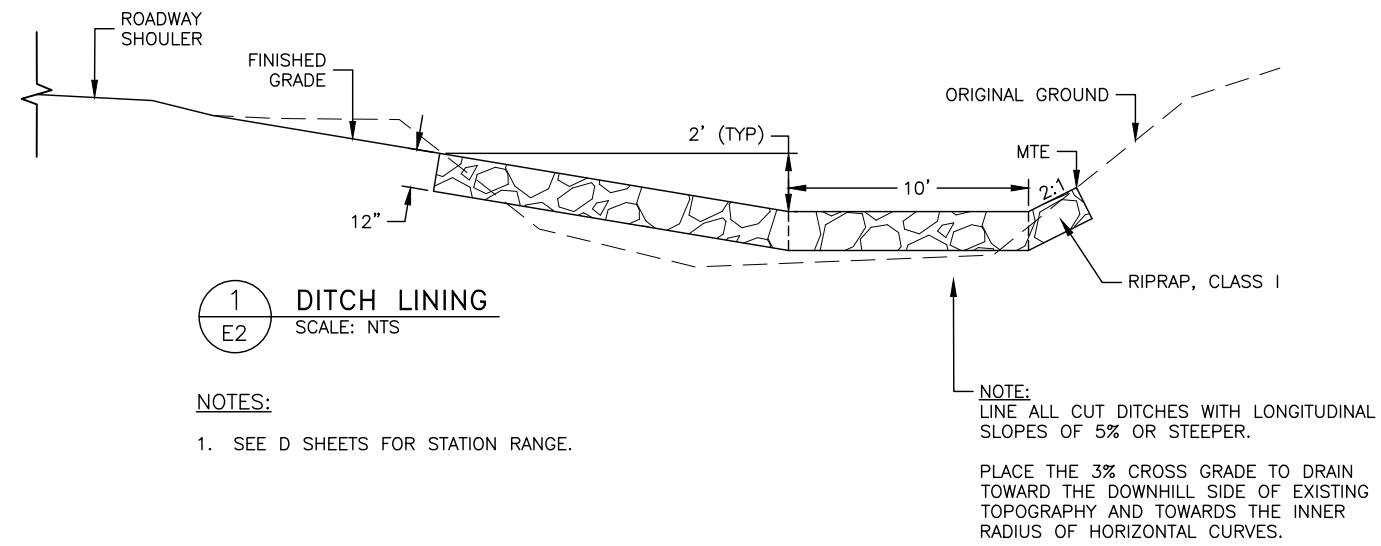
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

TURNOUT DETAILS

FIRM	DWL		ADDRESS		3030 VINTAGE BLVD, SUITE 200 JUNEAU, AK 99801		PHONE		(907) 780-3533		CERT. OF AUTH. #		AECUB48	
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	E2	E9



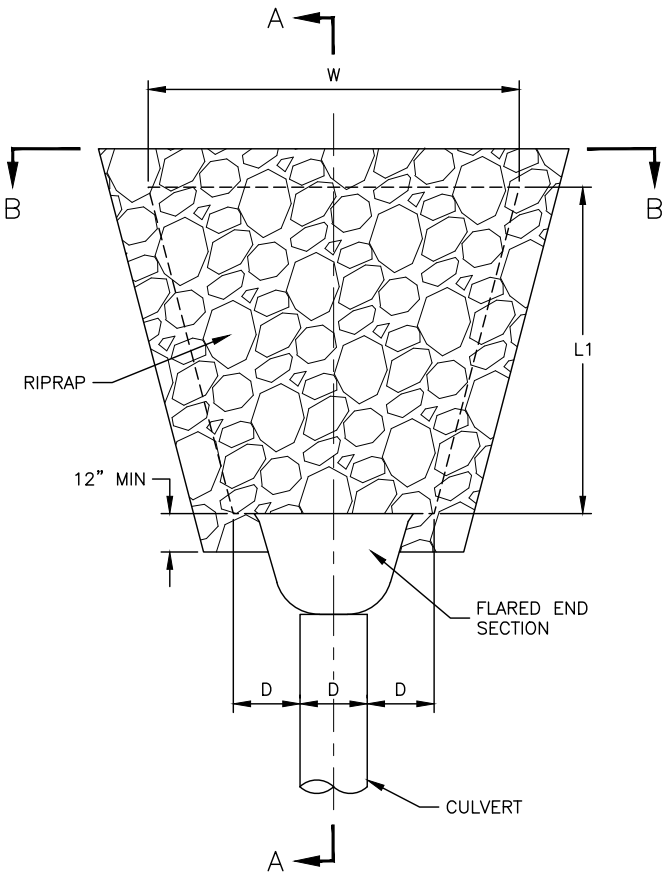
PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
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(907) 780-3533
CERT. OF AUTH. #
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

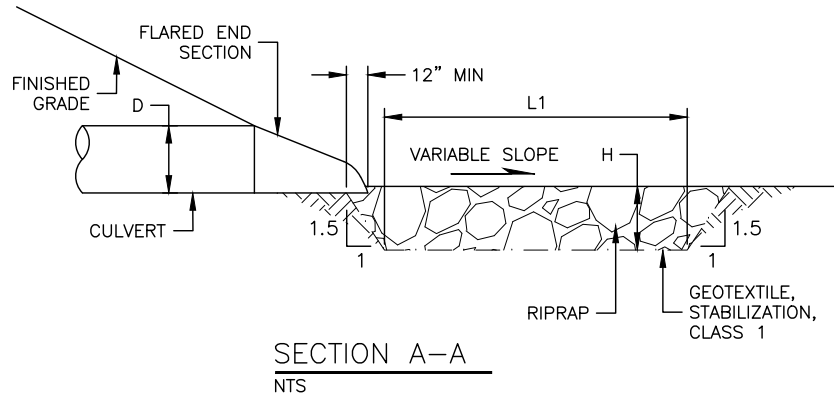
KING COVE TO COLD BAY ROAD

DETAILS

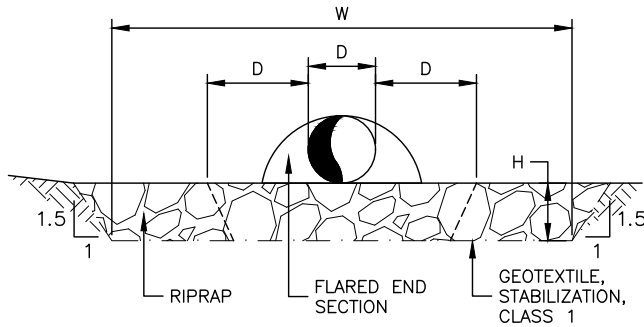


PLAN
NTS

1 OUTLET RIPRAP APRON
E3 SCALE: NTS

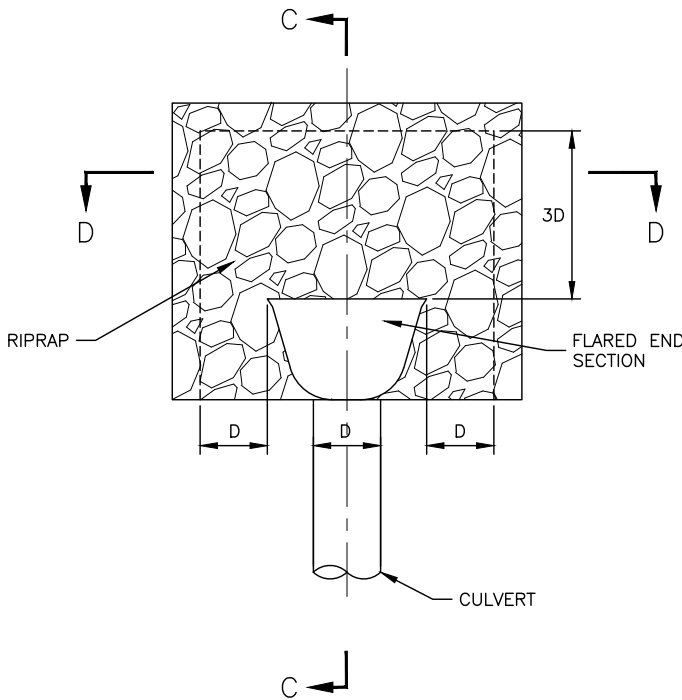


SECTION A-A
NTS

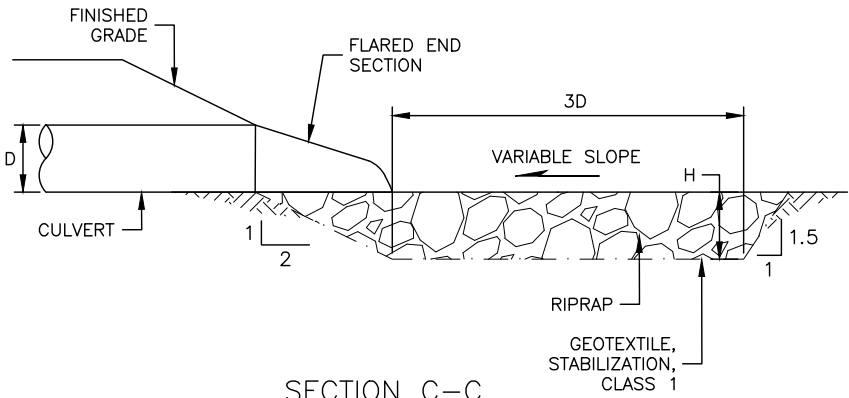


SECTION B-B
NTS

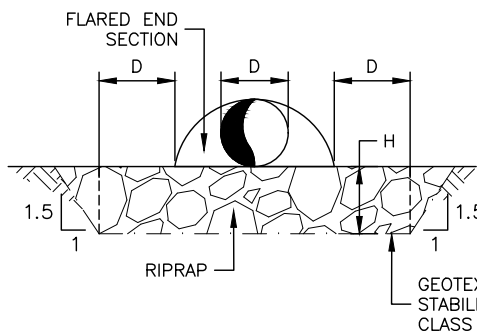
APRON SUMMARY				
D (IN)	L1 (FT)	W (FT)	H (FT)	RIPRAP CLASS
36	18	21	2	I



2 INLET RIPRAP APRON
E3 SCALE: NTS



SECTION C-C
NTS



SECTION D-D
NTS

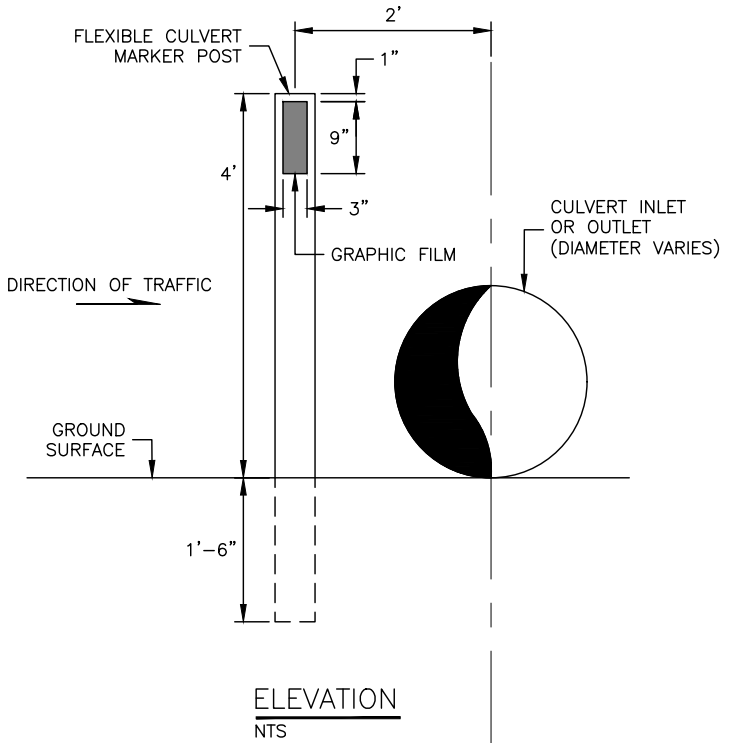
- NOTES:
- FLEXIBLE CULVERT MARKER POSTS SHALL BE WHITE, FIBERGLASS COMPOSITE.
 - A 3" BY 9" STRIP OF BLACK 2-MIL GRAPHIC FILM SHALL BE AFFIXED TO EACH SIDE OF THE POST AS SHOWN IN THE FLEXIBLE CULVERT MARKER POST DETAIL. THE MATERIAL SHALL BE CENTERED WITHIN THE WIDTH OF THE POST. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.
 - SEE D SHEETS FOR LOCATIONS OF NEW FLEXIBLE CULVERT MARKER POSTS.
 - REDUCE RIPRAP APRON LENGTH $L1$ AS NEEDED TO KEEP CONSTRUCTION ACTIVITIES WITHIN RIGHT-OF-WAY.

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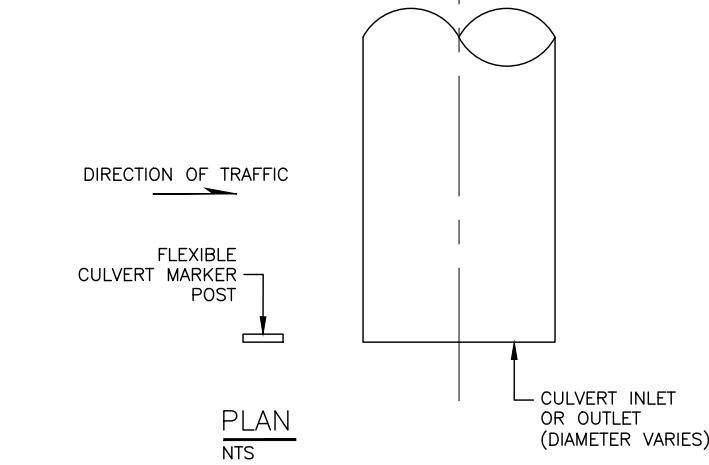
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

DRAINAGE DETAILS



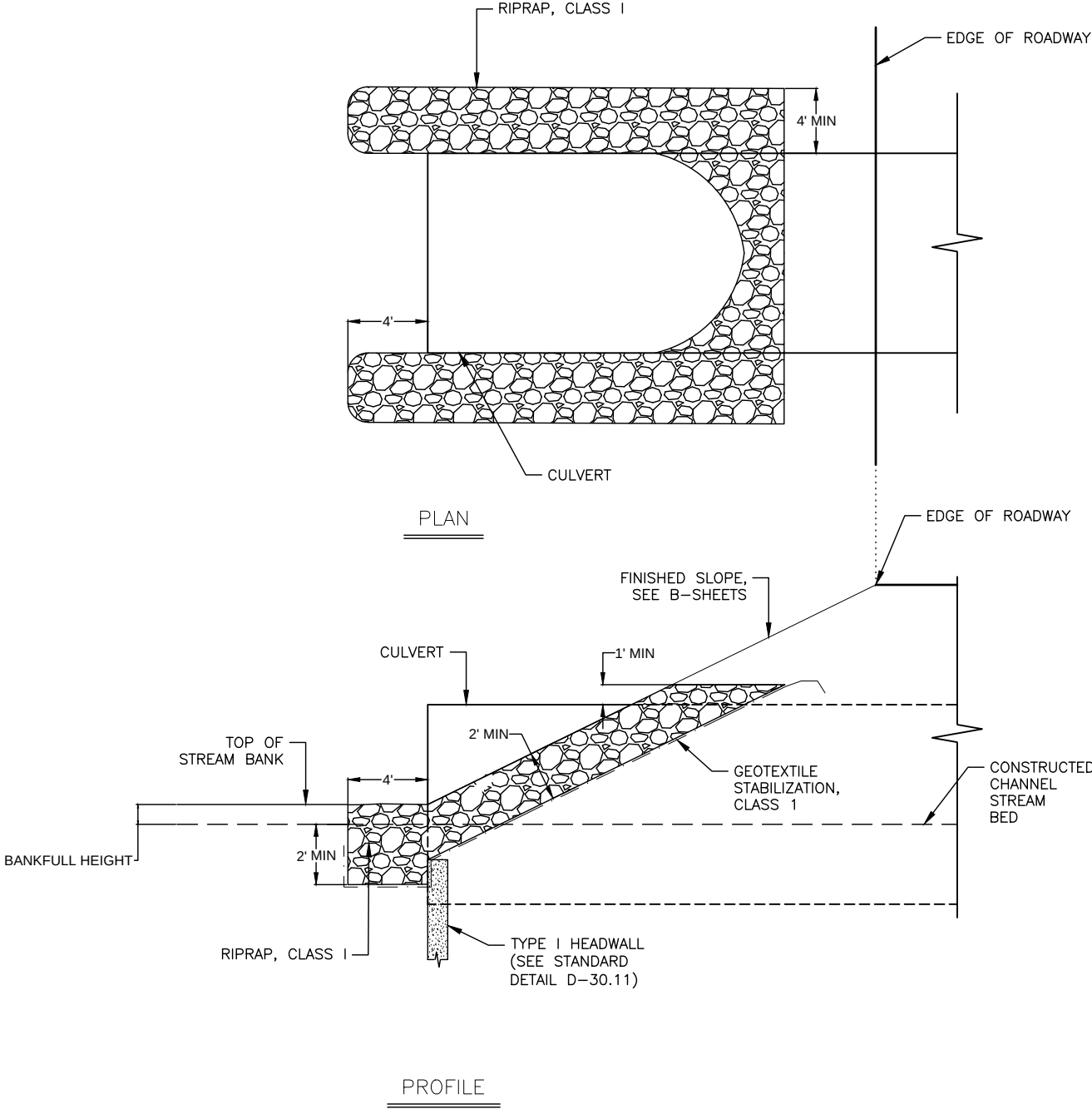
ELEVATION
NTS



PLAN
NTS

3 FLEXIBLE CULVERT MARKER POST
E3 SCALE: NTS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	E4	E9



1 FISH PASSAGE SLOPE PROTECTION RIPRAP, CLASS I
E4 SCALE: NTS

NOTES:

1. FILL VOIDS IN RIPRAP WITH SALVAGED ORGANIC SOIL PER SECTION 671 OR TOPSOIL.

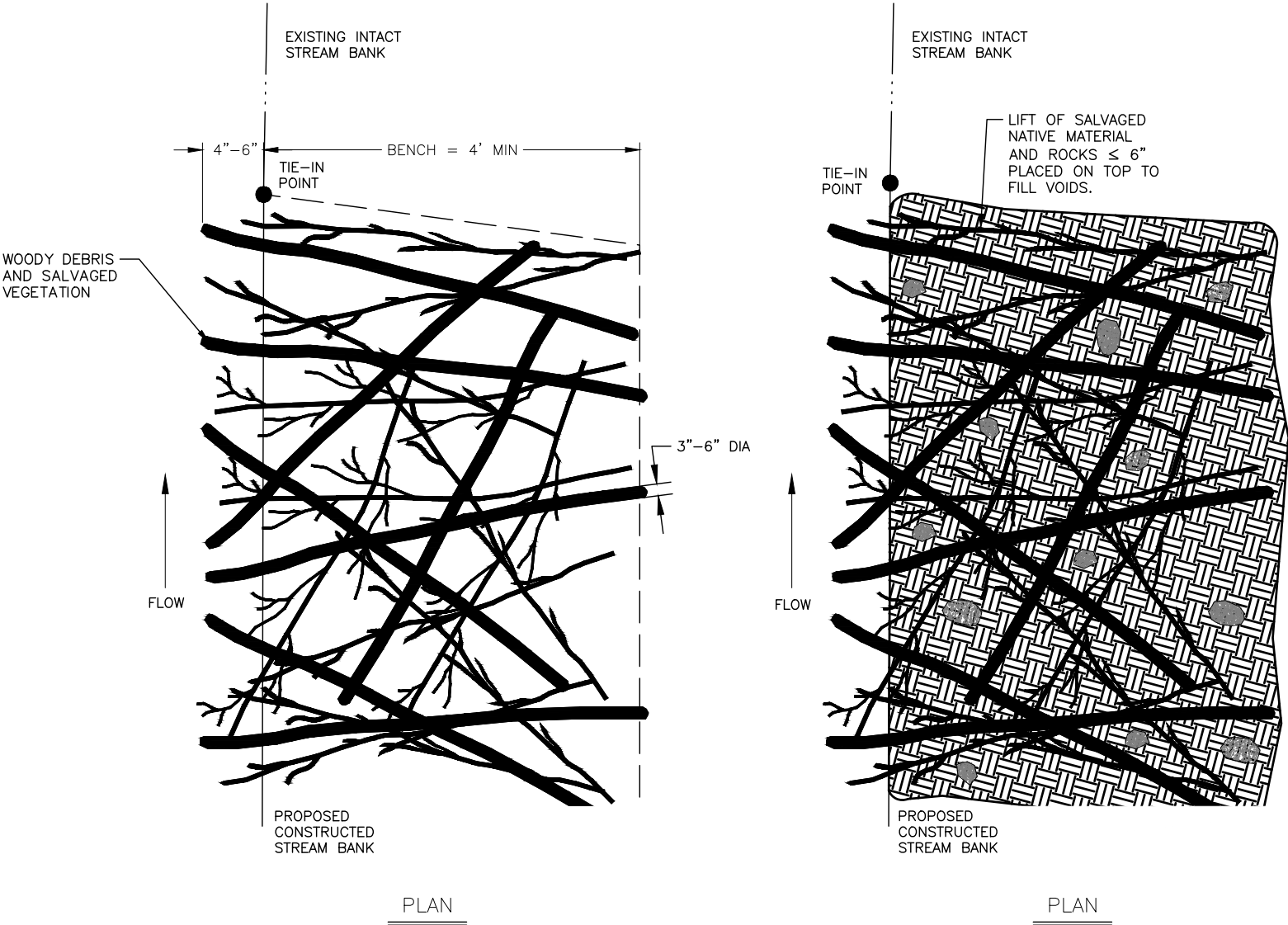
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

SLOPE PROTECTION DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	E5	E9



1

WOODY DEBRIS BANK RECONSTRUCTION

E5

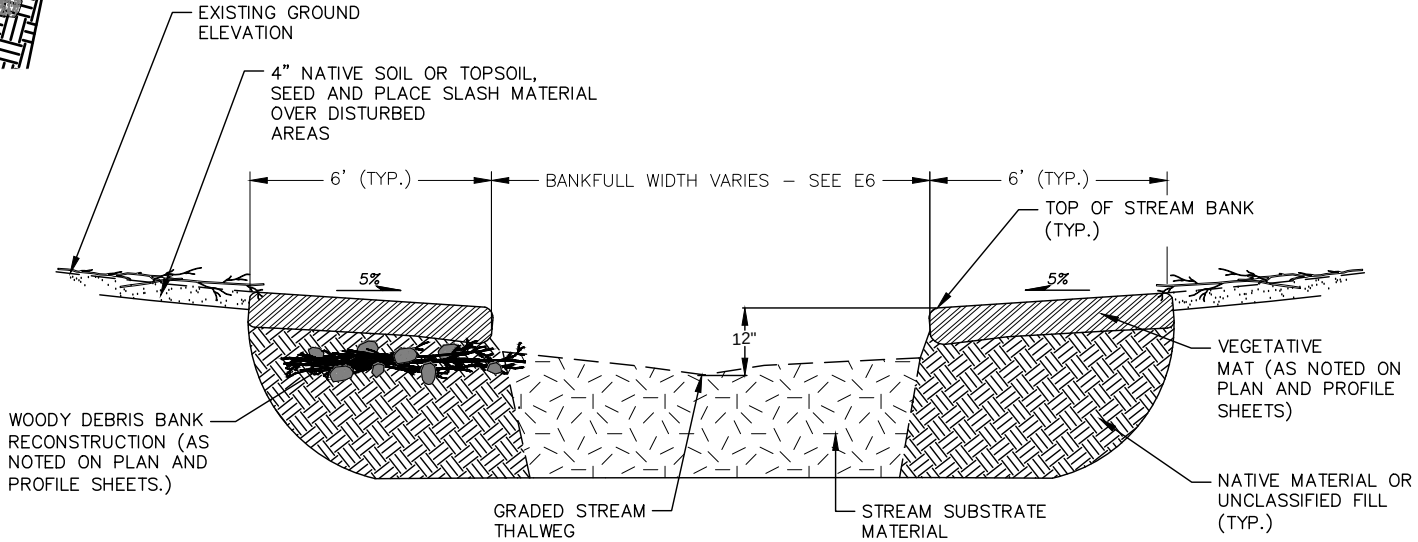
SCALE: NTS

NOTES:

- WOODY DEBRIS BANK RECONSTRUCTION CONSISTS OF CRISS-CROSSED WOODY DEBRIS AND SALVAGED IN-SITU SOIL MIXED WITH ROCK, TOPPED WITH VEGETATIVE MAT. STEM/TRUNK DIAMETER TO RANGE FROM 3" TO 6" AND LENGTHS TO RANGE FROM 5' TO 7'.
- INSTALL WOODY DEBRIS IN ABANDONED STREAM CHANNEL LOCATIONS TO LIMIT THE POTENTIAL FOR THE CHANNEL TO MIGRATE BACK TOWARD ITS ORIGINAL ALIGNMENT.

WOODY DEBRIS CONSTRUCTION SEQUENCE:

- SURVEY AND MARK CONSTRUCTED STREAM BANK AND EXISTING STREAM BANK TIE-IN POINT.
- EXCAVATE 4' MIN WIDTH BENCH. DO NOT DISTURB EXISTING INTACT EXISTING STREAMBANKS OUTSIDE OF TIE-IN POINT.
- PLACE WOODY DEBRIS ON BENCH AT RANDOM ANGLES IN 12" LIFT. LARGER DIAMETER PIECES SHOULD BE PLACED FIRST, WITH BRANCHES AND SLASH PLACED ON TOP OF THE LARGER PIECES OF WOODY DEBRIS. DO NOT PLACE PARALLEL TO FLOW. PLACE ENDS 4" TO 6" EXTENDING BEYOND INTENDED BANK LINE.
- ADD SALVAGED NATIVE MATERIAL OR TOPSOIL WITH ROCKS NO BIGGER THAN 6" MINUS TO FILL VOIDS. FILL ALL VOIDS BETWEEN WOODY DEBRIS BY WASHING IN MATERIAL OR TAMPING TO COMPACT.
- TOP WOODY DEBRIS WITH 12" VEGETATIVE MAT.



2

TYPICAL CONSTRUCTED STREAM

E5

SCALE: NTS

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
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CERT. OF AUTH. #
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STATE OF ALASKA

49TH

REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

WOODY DEBRIS BANK DETAILS

FIRM
DOWL

FILE
c:\dowl_pw\0432372\00117-E-DET-HYD.dwg

ADDRESS
3030 VINTAGE BLVD, SUITE 200 JUNEAU, AK 99801

DATE
2/20/2026 9:49

PHONE
(907) 780-3533

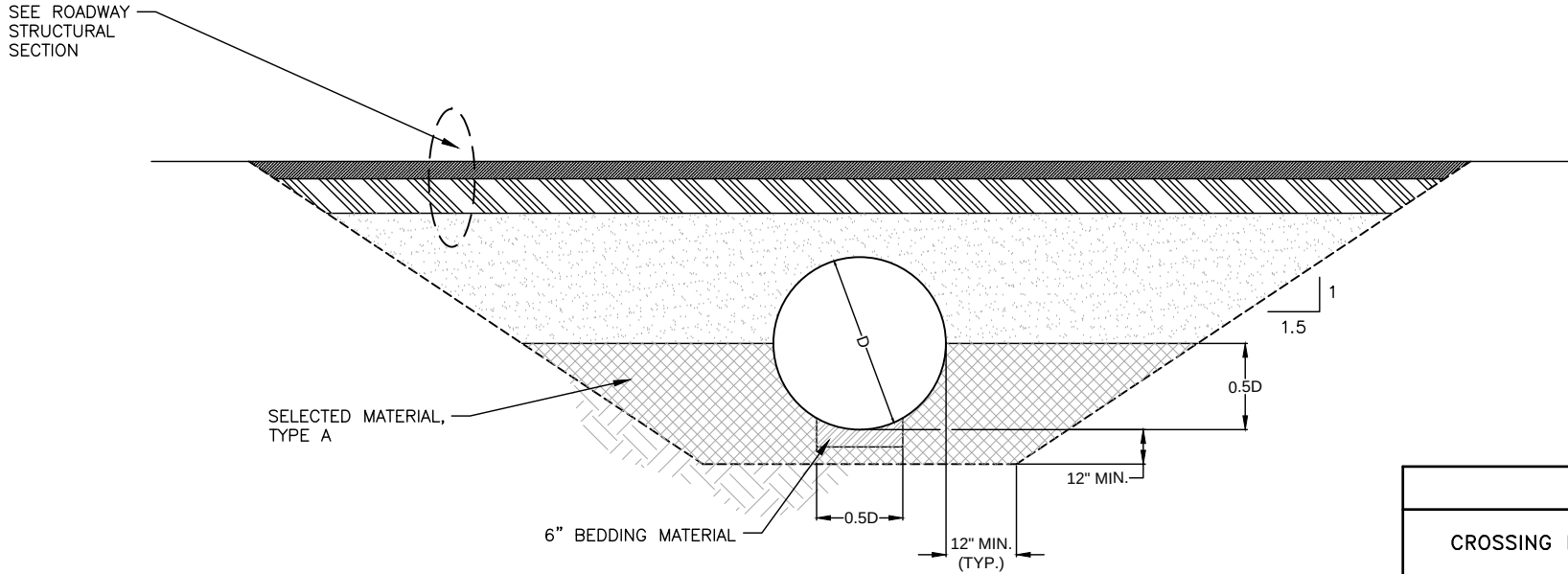
LAYOUT
E6

CERT. OF AUTH. #
AECL848

CHECKED
RDP

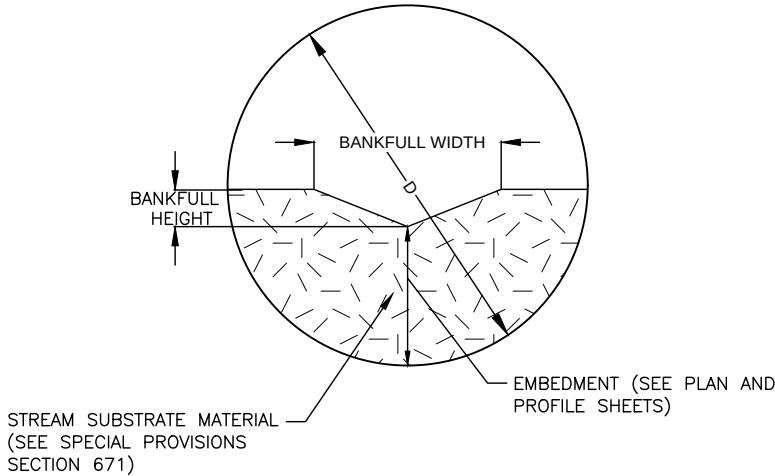
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	E6	E9



1
E6

TYPICAL FISH PASSAGE CROSS SECTION
SCALE: NTS



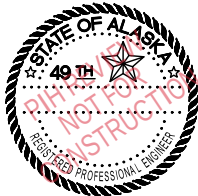
2
E6

TYPICAL FISH PASSAGE LOW FLOW CHANNEL DETAIL
SCALE: NTS

FISH PASSAGE DIMENSIONS				
CROSSING ID	DIAMETER (D) (FT)	BANKFULL WIDTH (FT)	BANKFULL HEIGHT (FT)	STREAM SUBSTRATE MATERIAL
FP10-1	9	3.8	0.4	CLASS 2
FP14-1	8	3.5	0.4	CLASS 1
FP14-2	6	3.5	0.4	CLASS 1
FP15-1	10	5.0	0.5	CLASS 1
FP18-1	9	4.0	0.4	CLASS 2
FP19-1	7	3.5	0.4	CLASS 1
FP21-1	12	6.0	0.6	CLASS 2
FP26-1	10	4.0	0.4	CLASS 2
P12-2	6	3.5	0.4	CLASS 1

- SEE SPECIAL PROVISION 671 FOR STREAM SUBSTRATE MATERIAL
- CULVERT P12-2 INCLUDED IS NOT A FISH PASSAGE CULVERT. CONSTRUCT PER DIMENSIONS AND STANDARD DETAILS SHOWN

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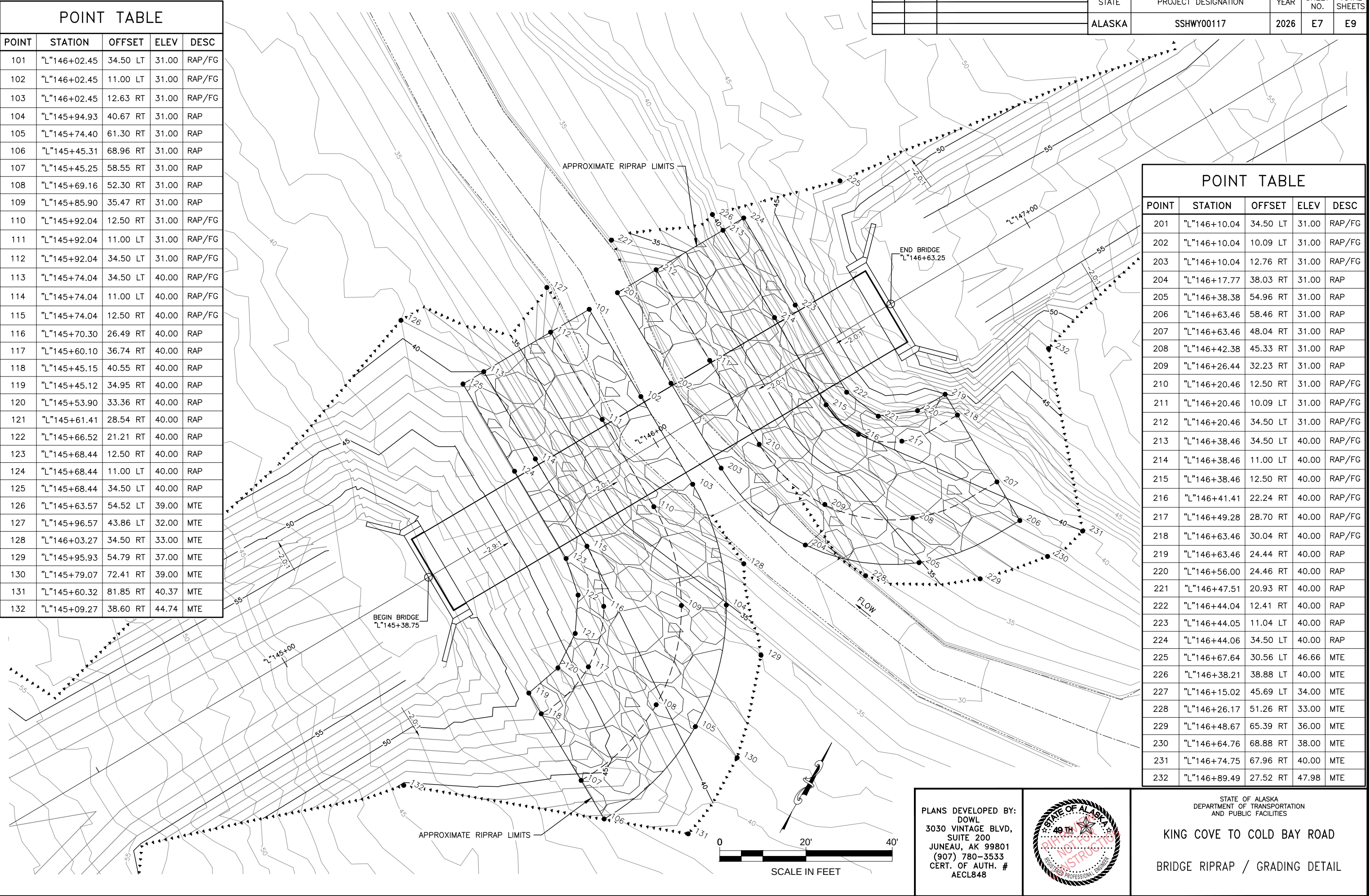


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

FISH PASSAGE CULVERT DETAILS

POINT TABLE				
POINT	STATION	OFFSET	ELEV	DESC
101	"L"146+02.45	34.50 LT	31.00	RAP/FG
102	"L"146+02.45	11.00 LT	31.00	RAP/FG
103	"L"146+02.45	12.63 RT	31.00	RAP/FG
104	"L"145+94.93	40.67 RT	31.00	RAP
105	"L"145+74.40	61.30 RT	31.00	RAP
106	"L"145+45.31	68.96 RT	31.00	RAP
107	"L"145+45.25	58.55 RT	31.00	RAP
108	"L"145+69.16	52.30 RT	31.00	RAP
109	"L"145+85.90	35.47 RT	31.00	RAP
110	"L"145+92.04	12.50 RT	31.00	RAP/FG
111	"L"145+92.04	11.00 LT	31.00	RAP/FG
112	"L"145+92.04	34.50 LT	31.00	RAP/FG
113	"L"145+74.04	34.50 LT	40.00	RAP/FG
114	"L"145+74.04	11.00 LT	40.00	RAP/FG
115	"L"145+74.04	12.50 RT	40.00	RAP/FG
116	"L"145+70.30	26.49 RT	40.00	RAP
117	"L"145+60.10	36.74 RT	40.00	RAP
118	"L"145+45.15	40.55 RT	40.00	RAP
119	"L"145+45.12	34.95 RT	40.00	RAP
120	"L"145+53.90	33.36 RT	40.00	RAP
121	"L"145+61.41	28.54 RT	40.00	RAP
122	"L"145+66.52	21.21 RT	40.00	RAP
123	"L"145+68.44	12.50 RT	40.00	RAP
124	"L"145+68.44	11.00 LT	40.00	RAP
125	"L"145+68.44	34.50 LT	40.00	RAP
126	"L"145+63.57	54.52 LT	39.00	MTE
127	"L"145+96.57	43.86 LT	32.00	MTE
128	"L"146+03.27	34.50 RT	33.00	MTE
129	"L"145+95.93	54.79 RT	37.00	MTE
130	"L"145+79.07	72.41 RT	39.00	MTE
131	"L"145+60.32	81.85 RT	40.37	MTE
132	"L"145+09.27	38.60 RT	44.74	MTE



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	E7	E9

POINT TABLE				
POINT	STATION	OFFSET	ELEV	DESC
201	"L"146+10.04	34.50 LT	31.00	RAP/FG
202	"L"146+10.04	10.09 LT	31.00	RAP/FG
203	"L"146+10.04	12.76 RT	31.00	RAP/FG
204	"L"146+17.77	38.03 RT	31.00	RAP
205	"L"146+38.38	54.96 RT	31.00	RAP
206	"L"146+63.46	58.46 RT	31.00	RAP
207	"L"146+63.46	48.04 RT	31.00	RAP
208	"L"146+42.38	45.33 RT	31.00	RAP
209	"L"146+26.44	32.23 RT	31.00	RAP
210	"L"146+20.46	12.50 RT	31.00	RAP/FG
211	"L"146+20.46	10.09 LT	31.00	RAP/FG
212	"L"146+20.46	34.50 LT	31.00	RAP/FG
213	"L"146+38.46	34.50 LT	40.00	RAP/FG
214	"L"146+38.46	11.00 LT	40.00	RAP/FG
215	"L"146+38.46	12.50 RT	40.00	RAP/FG
216	"L"146+41.41	22.24 RT	40.00	RAP/FG
217	"L"146+49.28	28.70 RT	40.00	RAP/FG
218	"L"146+63.46	30.04 RT	40.00	RAP/FG
219	"L"146+63.46	24.44 RT	40.00	RAP
220	"L"146+56.00	24.46 RT	40.00	RAP
221	"L"146+47.51	20.93 RT	40.00	RAP
222	"L"146+44.04	12.41 RT	40.00	RAP
223	"L"146+44.05	11.04 LT	40.00	RAP
224	"L"146+44.06	34.50 LT	40.00	RAP
225	"L"146+67.64	30.56 LT	46.66	MTE
226	"L"146+38.21	38.88 LT	40.00	MTE
227	"L"146+15.02	45.69 LT	34.00	MTE
228	"L"146+26.17	51.26 RT	33.00	MTE
229	"L"146+48.67	65.39 RT	36.00	MTE
230	"L"146+64.76	68.88 RT	38.00	MTE
231	"L"146+74.75	67.96 RT	40.00	MTE
232	"L"146+89.49	27.52 RT	47.98	MTE

PLANS DEVELOPED BY:
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

BRIDGE RIPRAP / GRADING DETAIL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	E9	E9

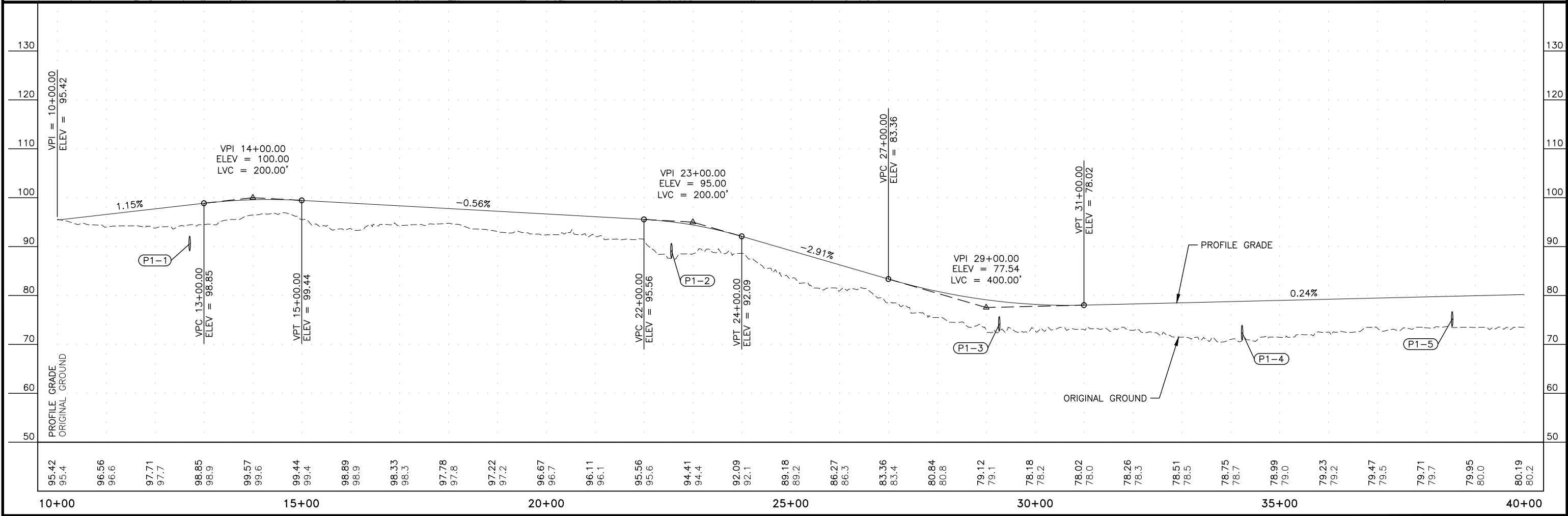
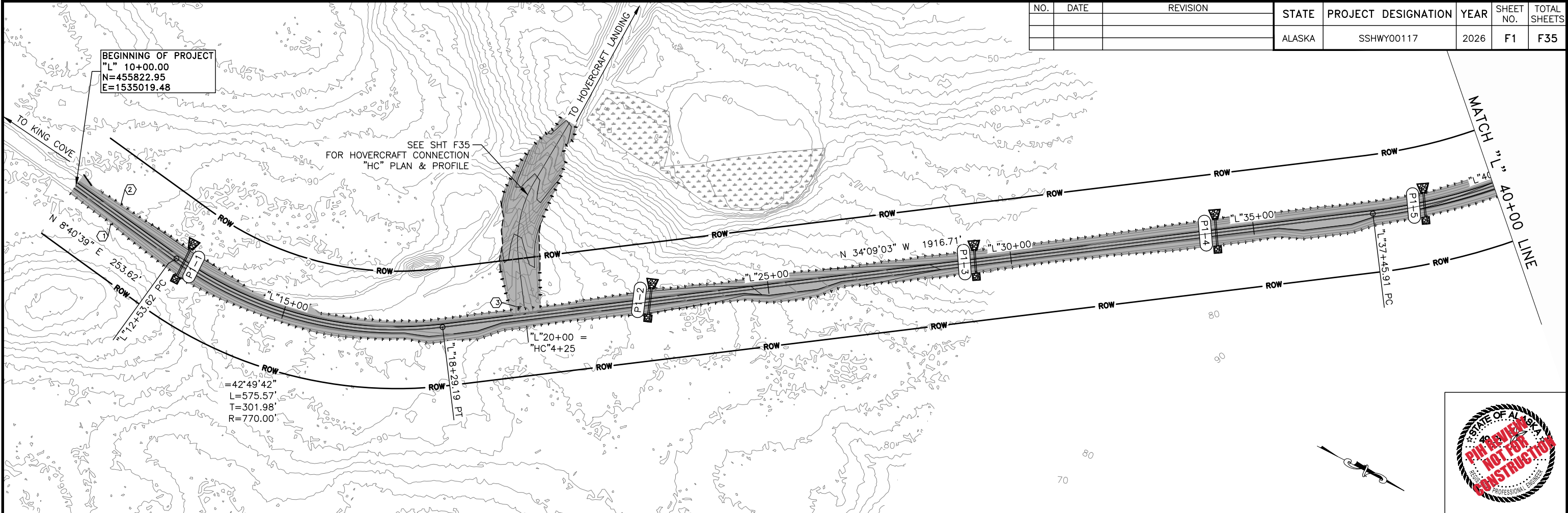
SUPERELEVATION TABLE		
STATION FROM	STATION TO	SUPERELEVATION (%)
"L" 10+00	"L" 49+48	-3
"L" 50+58	"L" 67+43	3
"L" 68+53	"L" 103+47	-3
"L" 104+57	"L" 129+86	3
"L" 130+96	"L" 177+97	-3
"L" 179+07	"L" 185+95	3
"L" 187+05	"L" 200+28	-3
"L" 201+38	"L" 206+51	3
"L" 207+61	"L" 212+33	-3
"L" 213+43	"L" 215+18	3
"L" 216+28	"L" 229+84	-3
"L" 230+94	"L" 248+65	3
"L" 249+75	"L" 256+61	-3
"L" 257+71	"L" 261+46	3
"L" 262+56	"L" 279+97	-3
"L" 281+07	"L" 285+76	3
"L" 286+86	"L" 295+90	-3
"L" 297+00	"L" 299+65	3
"L" 300+75	"L" 313+90	-3
"L" 315+00	"L" 324+93	3
"L" 326+03	"L" 345+62	-3
"L" 346+72	"L" 349+27	3
"L" 350+37	"L" 354+02	-3
"L" 355+12	"L" 357+92	3
"L" 359+02	"L" 376+05	-3
"L" 377+15	"L" 383+74	3
"L" 384+84	"L" 397+80	-3
"L" 398+90	"L" 402+05	3
"L" 403+15	"L" 413+06	-3
"L" 414+16	"L" 419+84	3
"L" 420+94	"L" 432+03	-3
"L" 433+13	"L" 434+21	3
"L" 435+31	"L" 445+04	-3
"L" 446+14	"L" 452+98	3

SUPERELEVATION TABLE (CONT.)		
STATION FROM	STATION TO	SUPERELEVATION (%)
"L" 454+08	"L" 461+29	-3
"L" 462+39	"L" 464+86	3
"L" 465+96	"L" 479+63	-3
"L" 480+73	"L" 490+65	3
"L" 491+75	"L" 503+42	-3
"L" 504+52	"L" 507+63	3
"L" 508+73	"L" 518+81	-3
"L" 519+91	"L" 525+64	3
"L" 526+74	"L" 560+07	-3
"L" 561+17	"L" 565+94	3
"L" 567+04	"L" 580+40	-3
"L" 581+50	"L" 588+33	3
"L" 589+43	"L" 612+57	-3
"L" 613+67	"L" 618+73	3
"L" 619+83	"L" 633+91	-3
"L" 635+01	"L" 637+78	3
"L" 638+88	"L" 641+77	-3
"L" 642+87	"L" 644+92	3
"L" 646+02	"L" 661+39	-3
"L" 662+49	"L" 678+84	3
"L" 679+94	"L" 693+33	-3
"L" 694+43	"L" 697+97	3
"L" 699+07	"L" 706+43	-3
"L" 707+53	"L" 712+02	3
"L" 713+12	"L" 726+43	-3
"L" 727+53	"L" 733+14	3
"L" 734+24	"L" 749+88	-3
"L" 750+98	"L" 756+31	3
"L" 757+41	"L" 762+61	-3
"L" 763+71	"L" 768+95	3
"L" 770+05	"L" 799+75	-3
"L" 800+85	"L" 802+61	3
"L" 803+71	"L" 808+25	-3
"L" 809+35	"L" 810+47	3

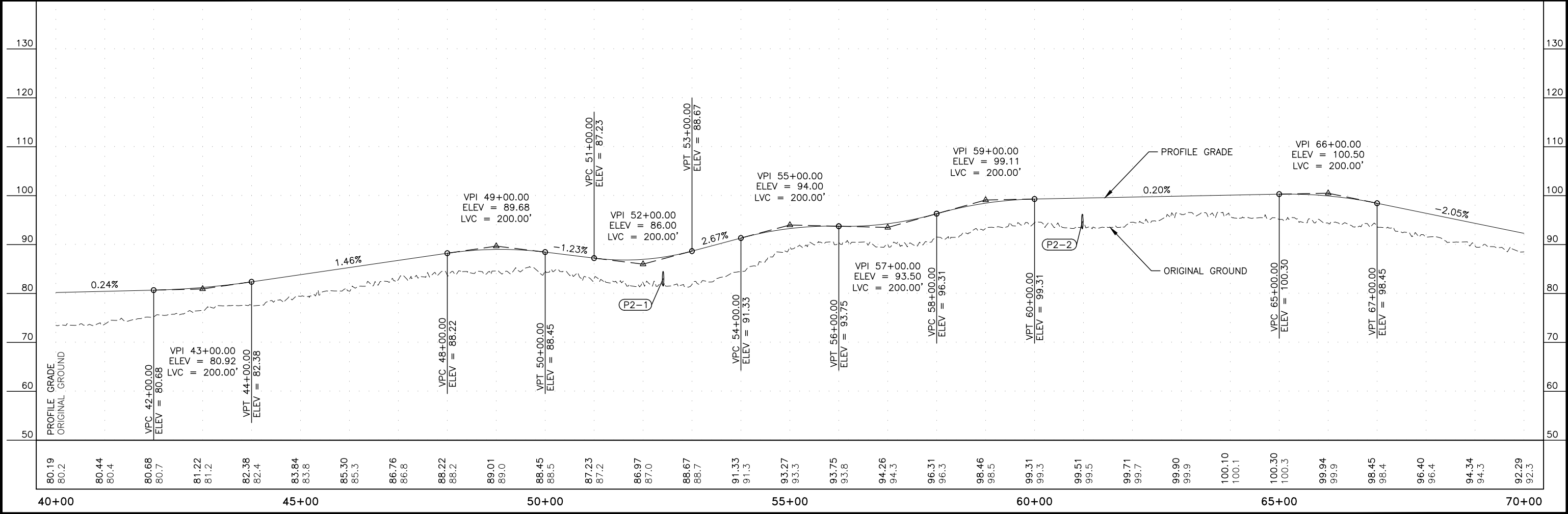
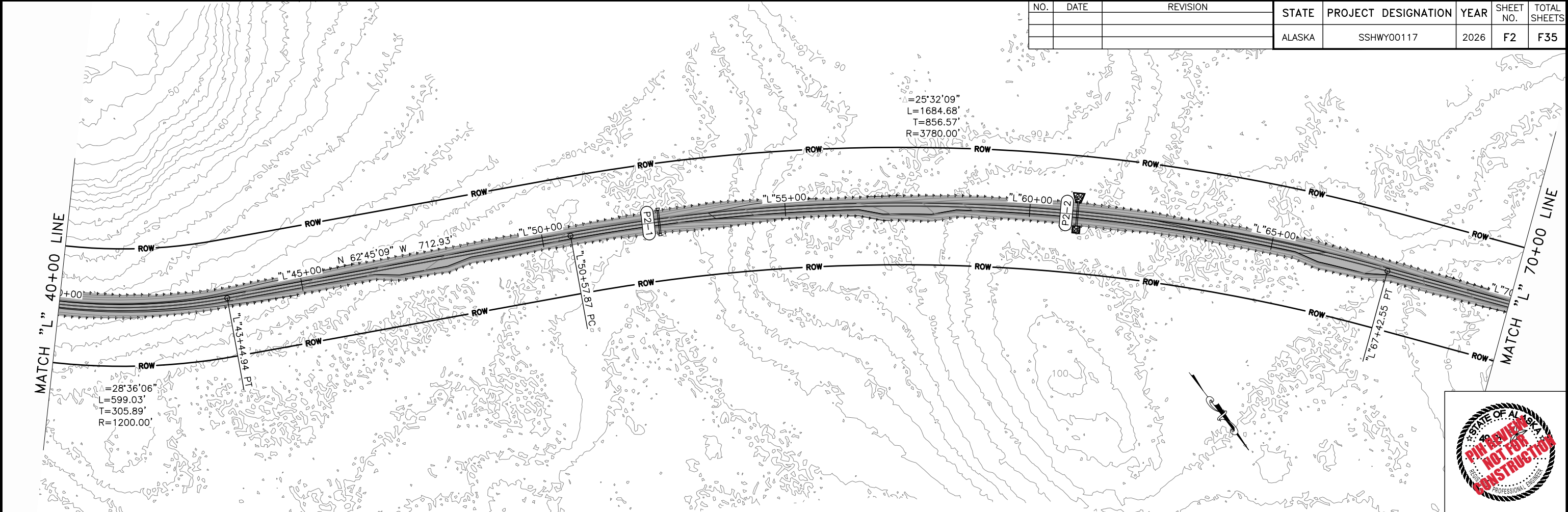
SUPERELEVATION TABLE (CONT.)		
STATION FROM	STATION TO	SUPERELEVATION (%)
"L" 811+57	"L" 817+12	-3
"L" 818+22	"L" 819+75	3
"L" 820+85	"L" 824+12	-3
"L" 825+22	"L" 827+12	3
"L" 828+22	"L" 832+48	-3
"L" 833+58	"L" 837+23	3
"L" 838+33	"L" 841+33	-3
"L" 842+43	"L" 843+95	3
"L" 845+05	"L" 849+47	-3
"L" 850+57	"L" 853+19	3
"L" 854+29	"L" 867+84	-3
"L" 868+94	"L" 883+06	3
"L" 884+16	"L" 888+68	-3
"L" 889+78	"L" 891+69	3
"L" 892+79	"L" 895+54	-3
"L" 896+64	"L" 898+24	3
"L" 899+34	"L" 902+22	-3
"L" 903+32	"L" 909+47	3
"L" 910+57	"L" 928+20	-3
"L" 929+30	"L" 934+09	3
"L" 935+19	"L" 935+55	-3
"L" 936+65	"L" 937+94	3
"L" 939+04	"L" 939+95	-3
"L" 941+05	"L" 946+37	3
"L" 947+47	"L" 953+47	-3
"L" 954+57	"L" 959+52	3
"L" 960+62	"L" 968+66	-3
"L" 969+76	"L" 971+96	3
"L" 973+06	"L" 978+44	-3
"L" 979+54	"L" 993+43	3
"L" 994+53	"L" 1004+23	-3
"L" 1005+33	"L" 1005+58	3
"L" 1006+68	"L" 1007+72	-3
"L" 1008+82	"L" 1009+29	3

PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F1	F35

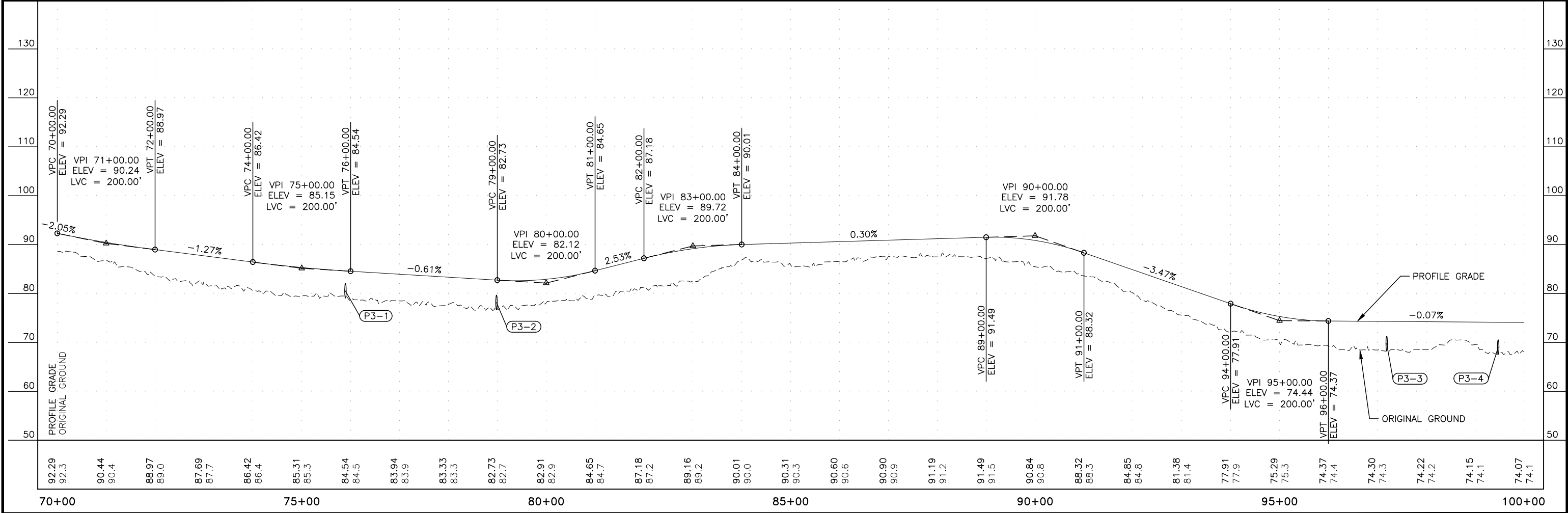
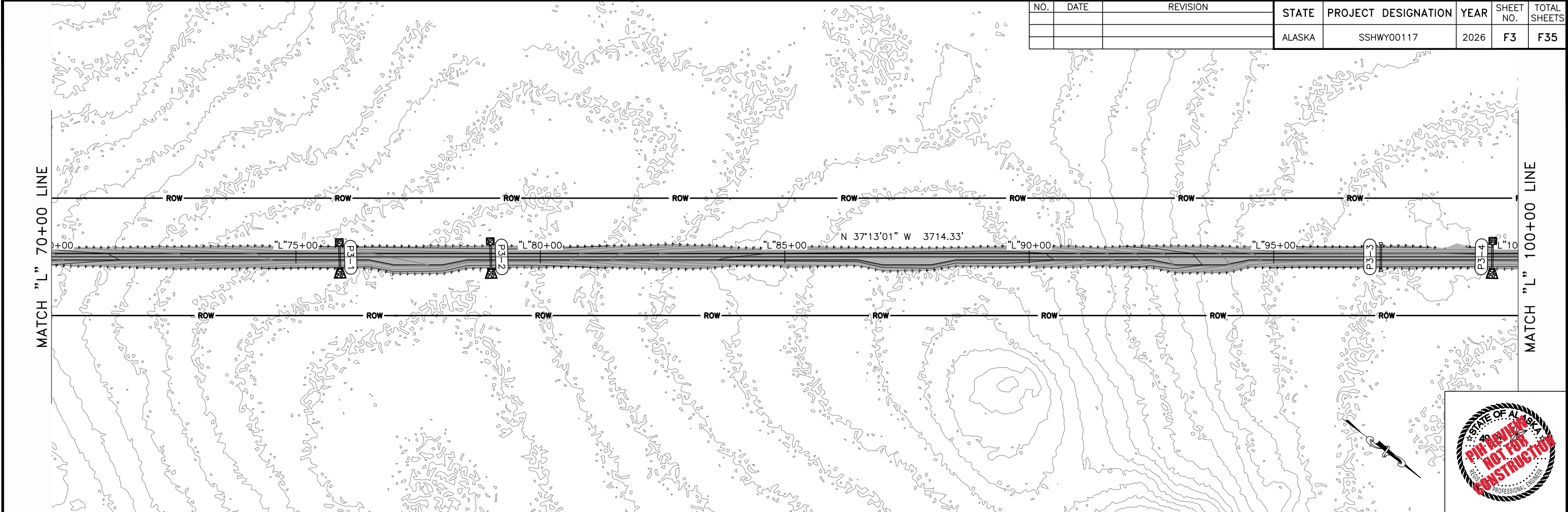


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F2	F35



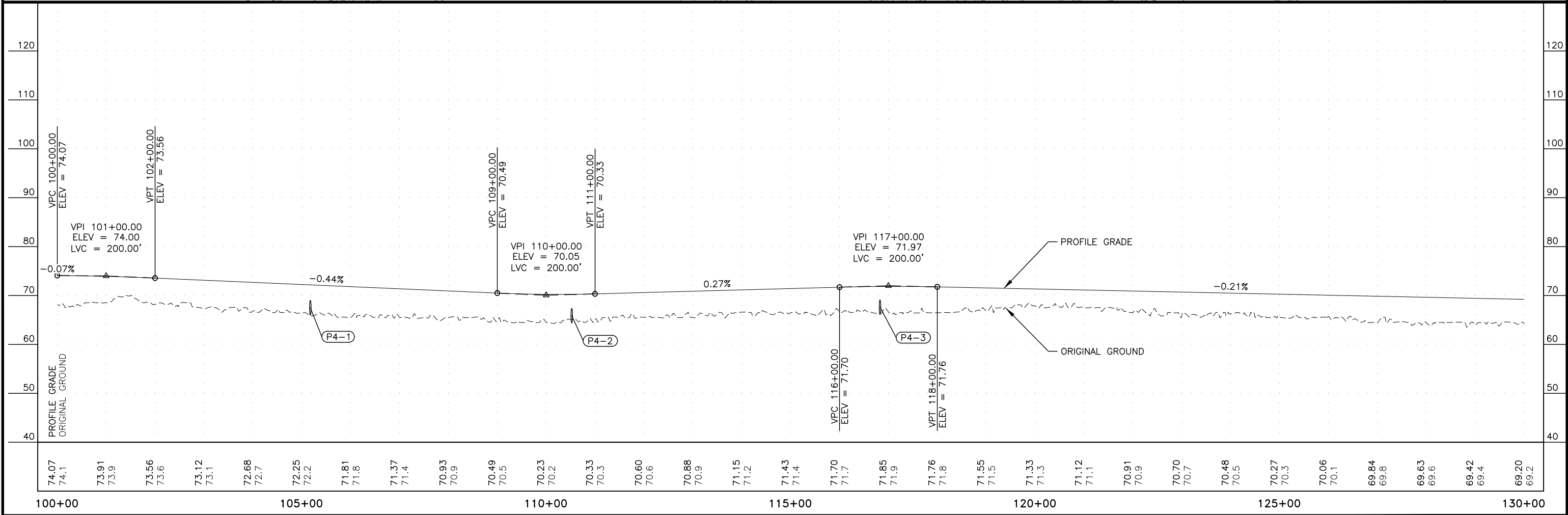
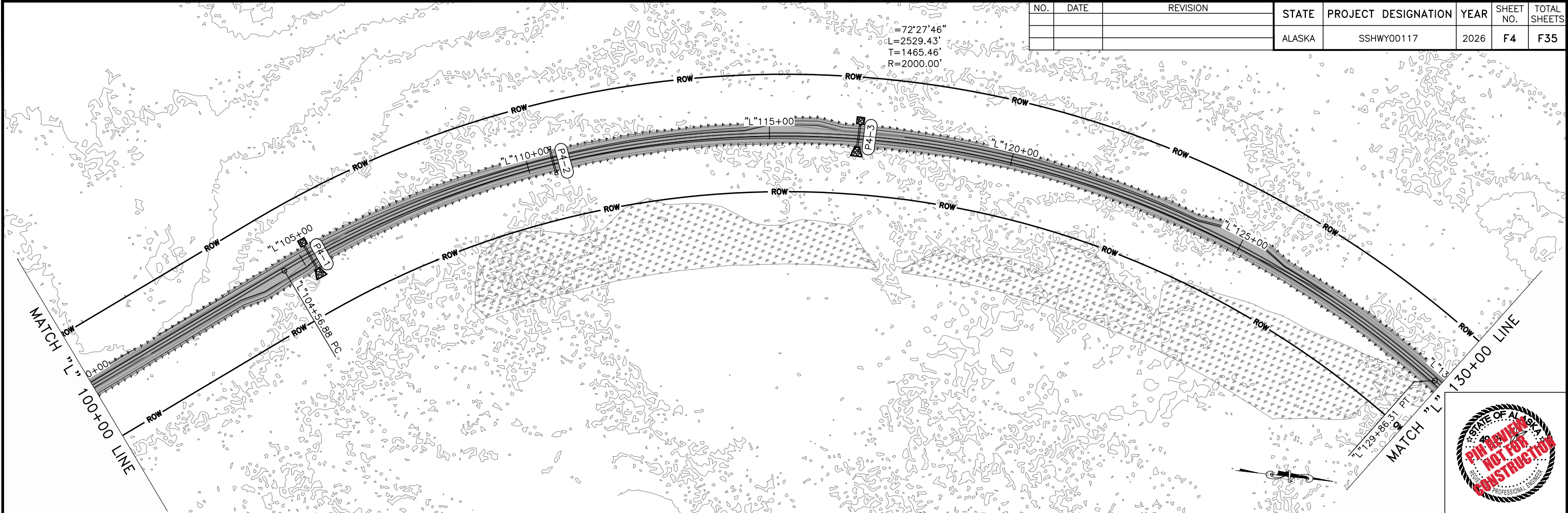
PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\040432372\00117-F-PnP-F3 Sun, Feb/22/26 01:22pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F3	F35

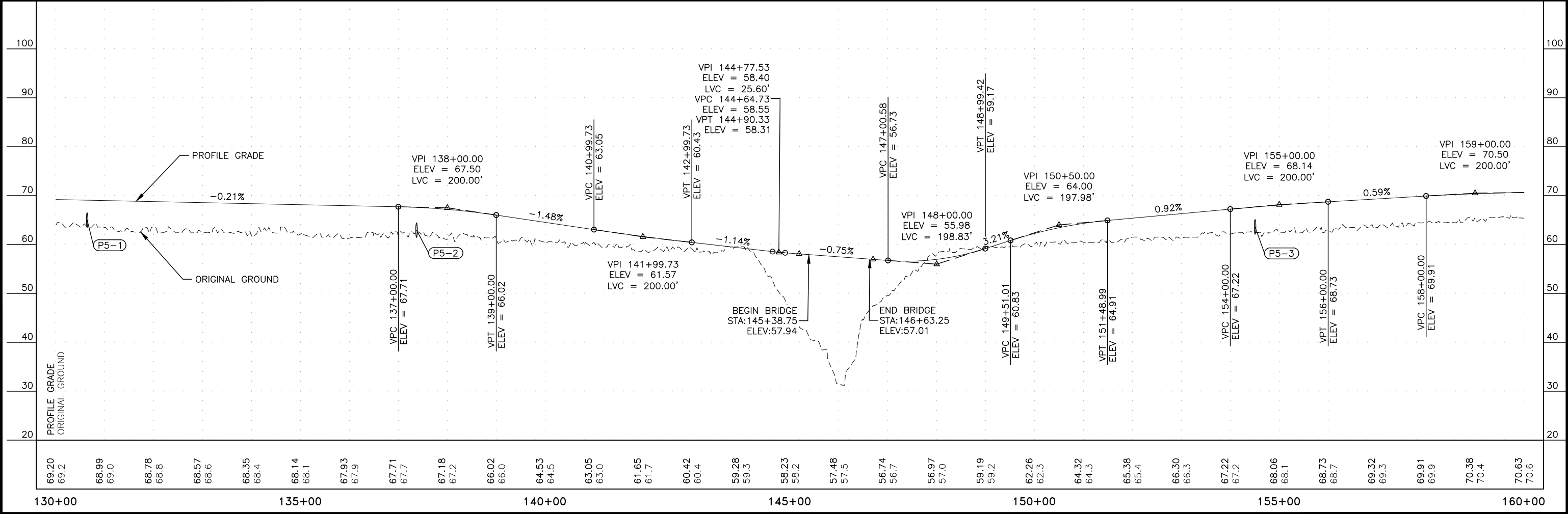
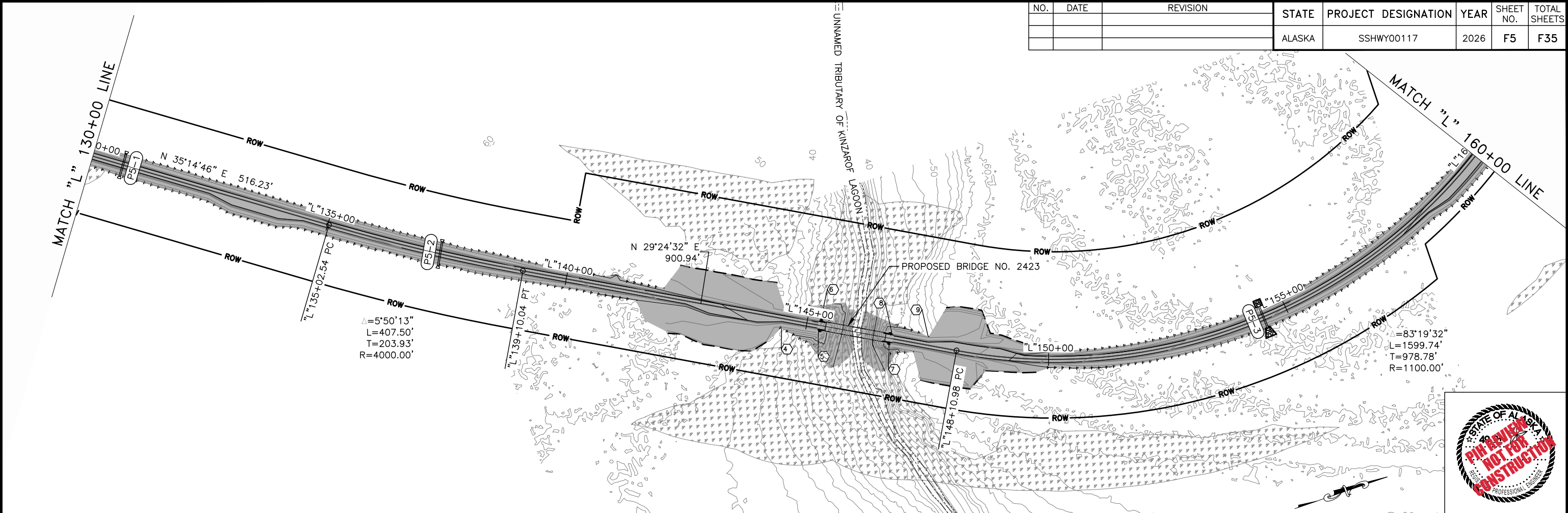


PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\040432372\00117-F-PnP-F4_Sun_Feb/22/26 01:23pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	F4	F35

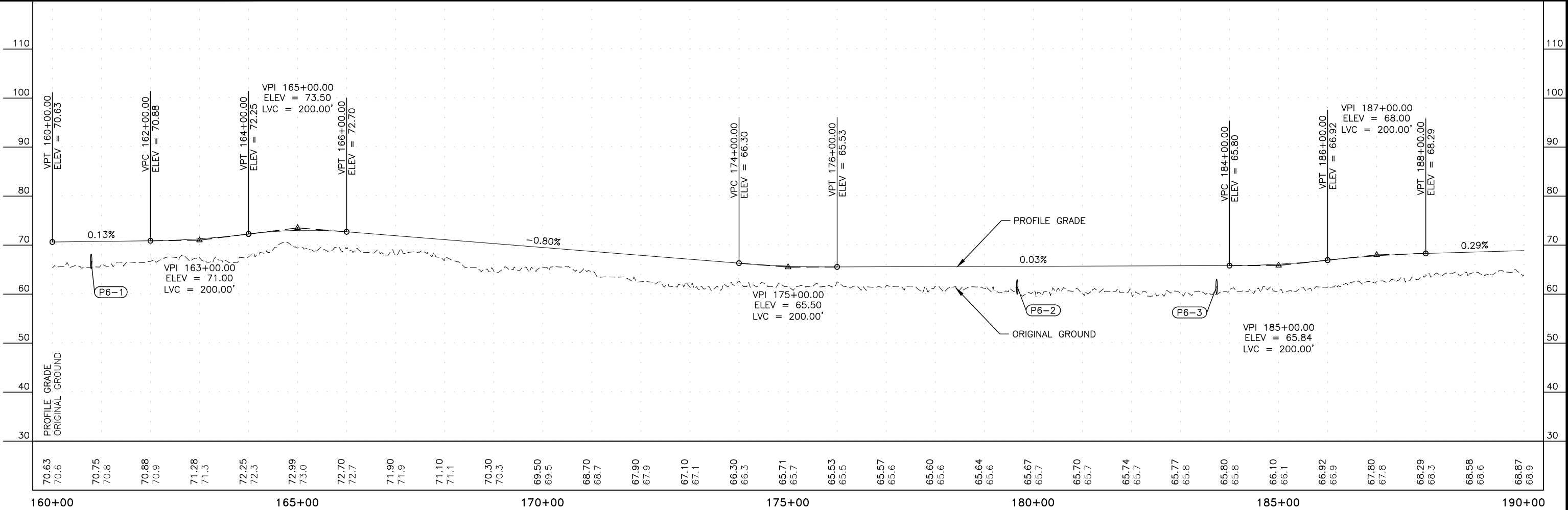
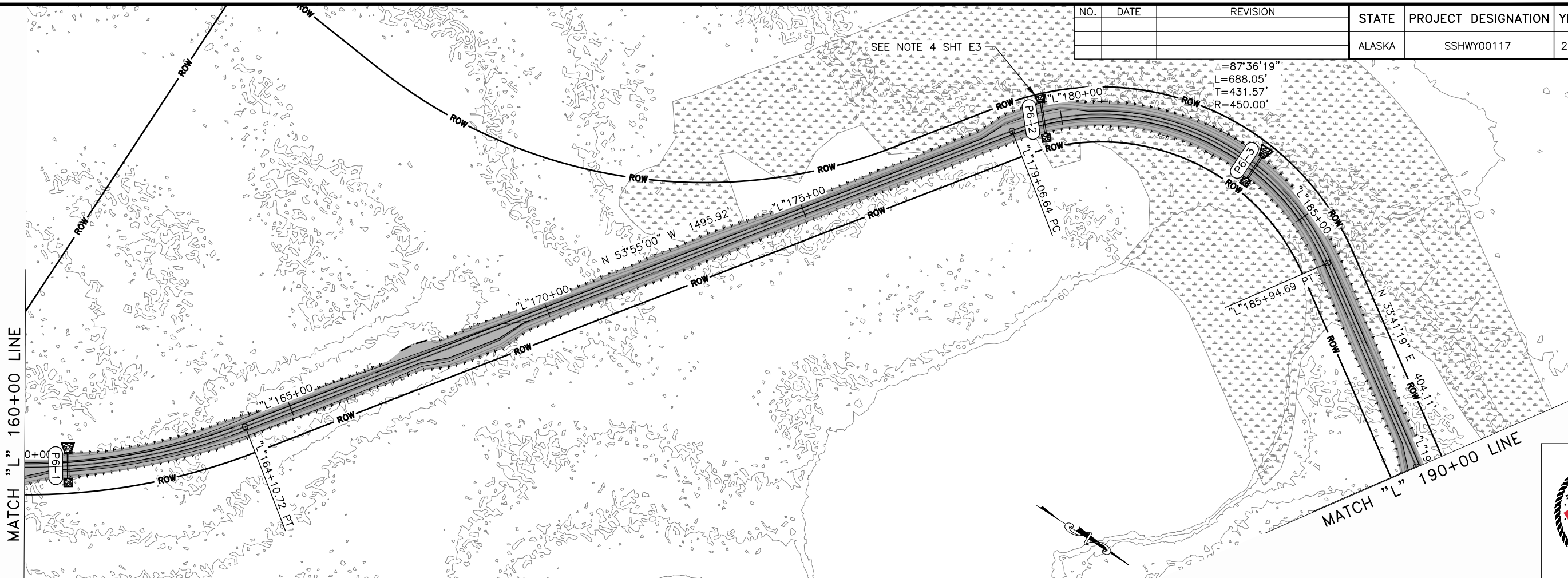


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	F5	F35

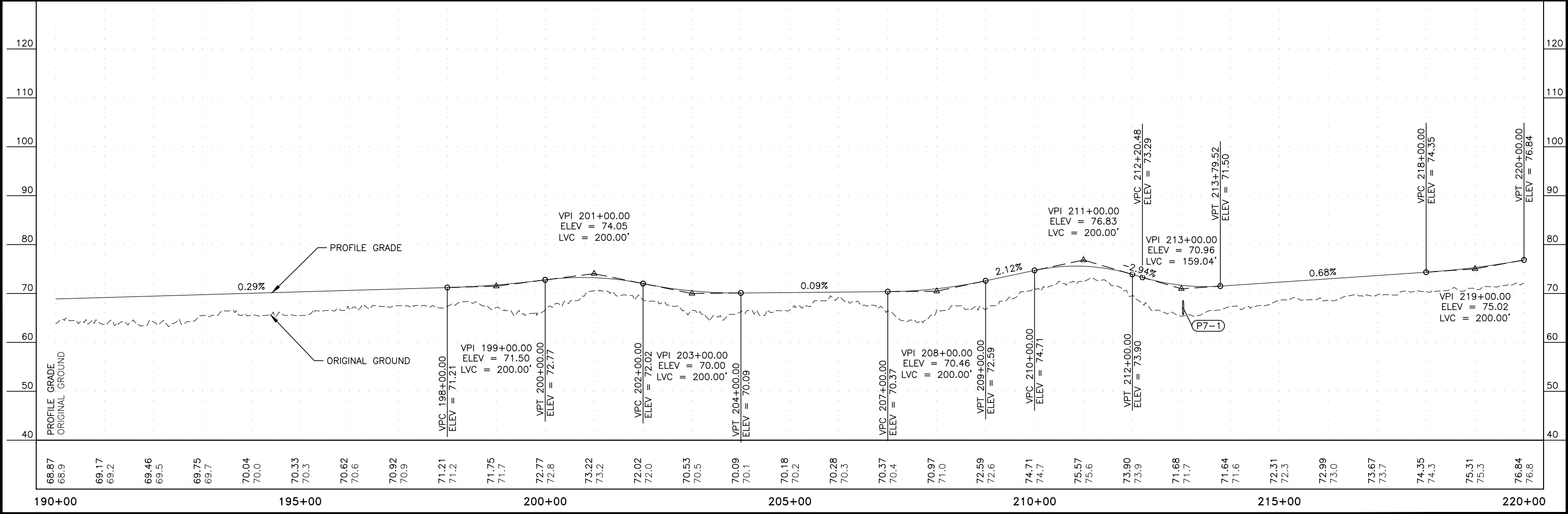
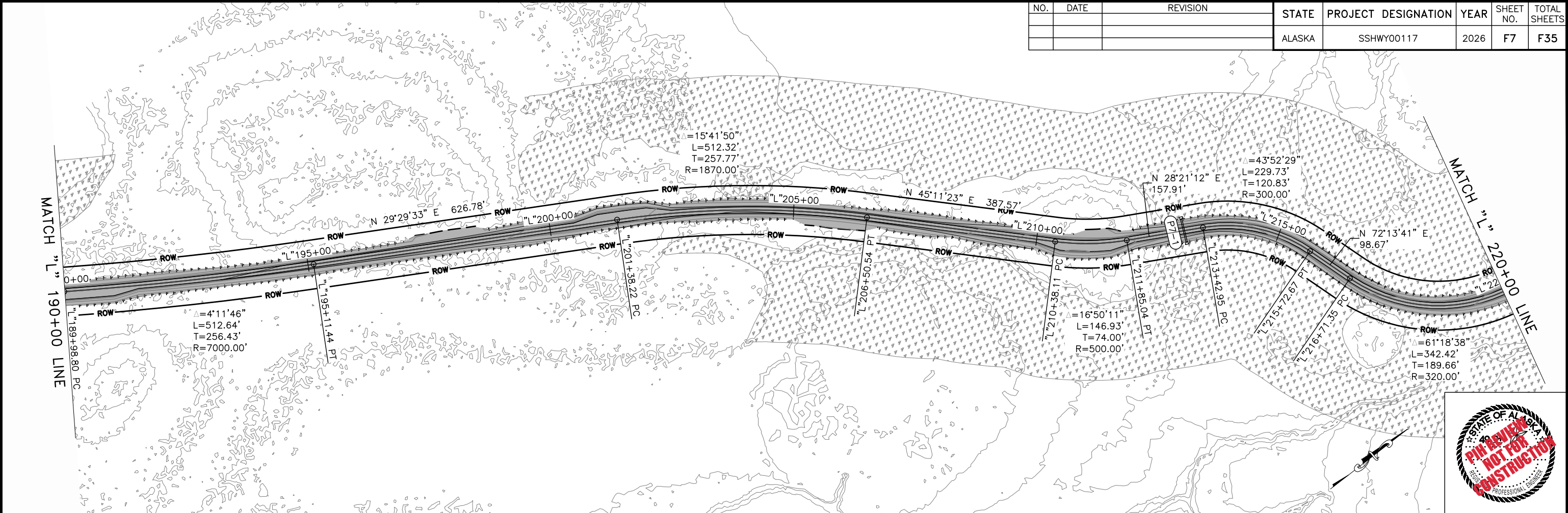


PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F6 Sun, Feb/22/26 01:24pm

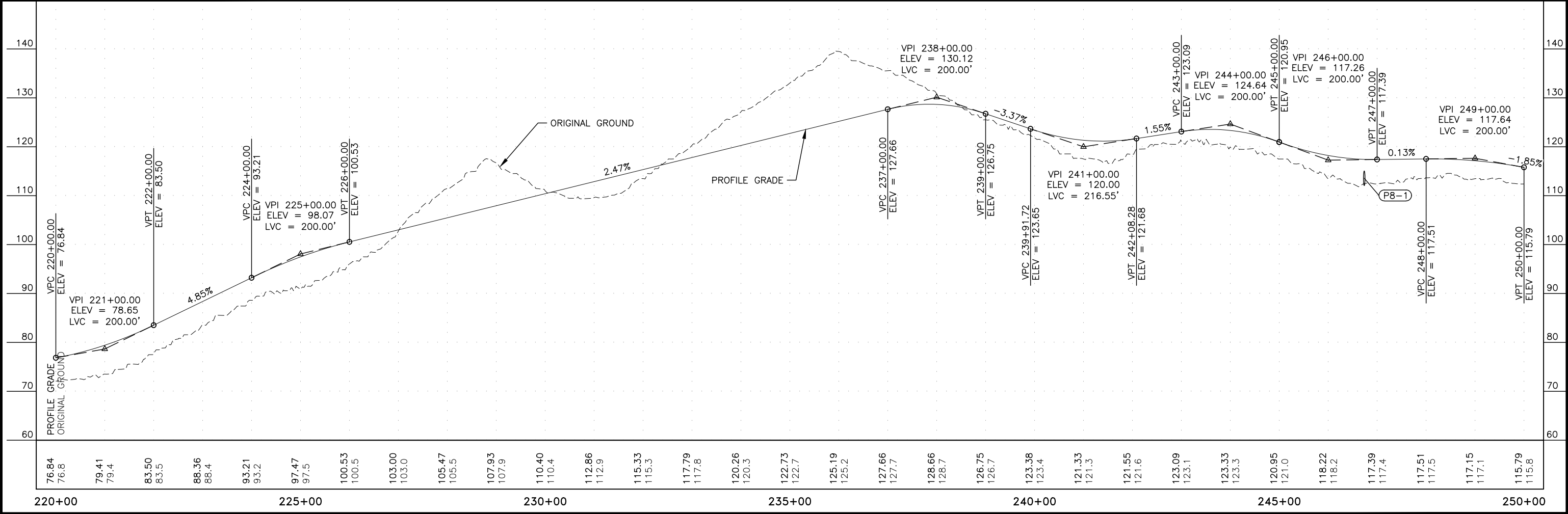
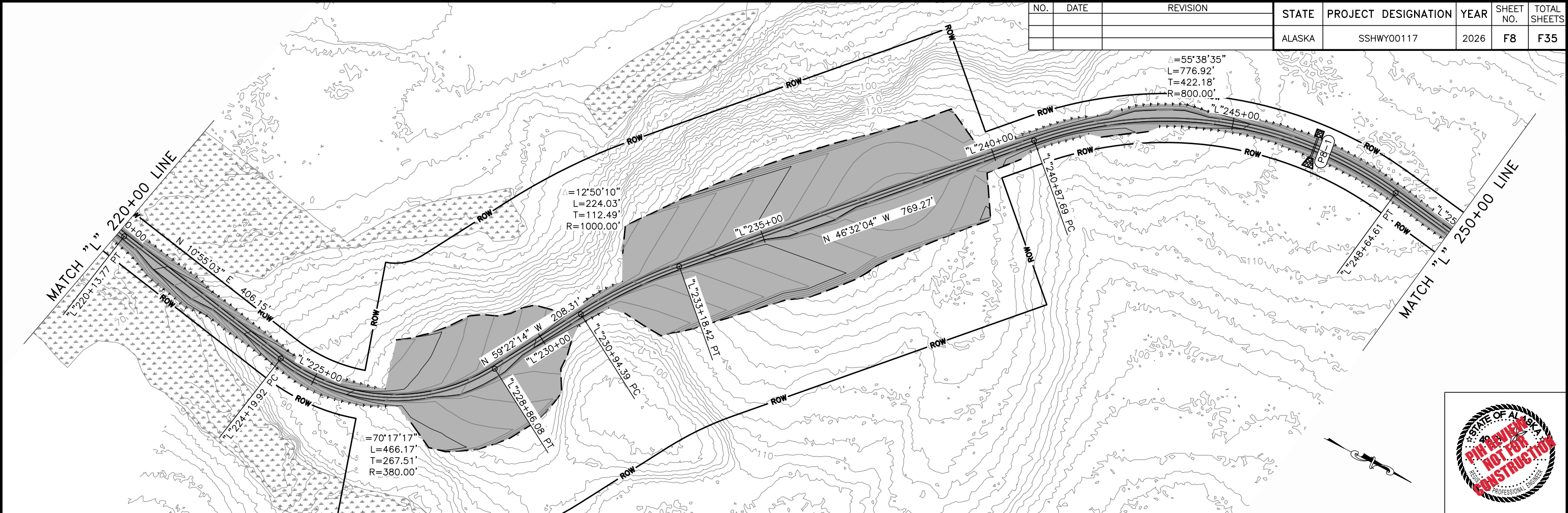
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	F6	F35



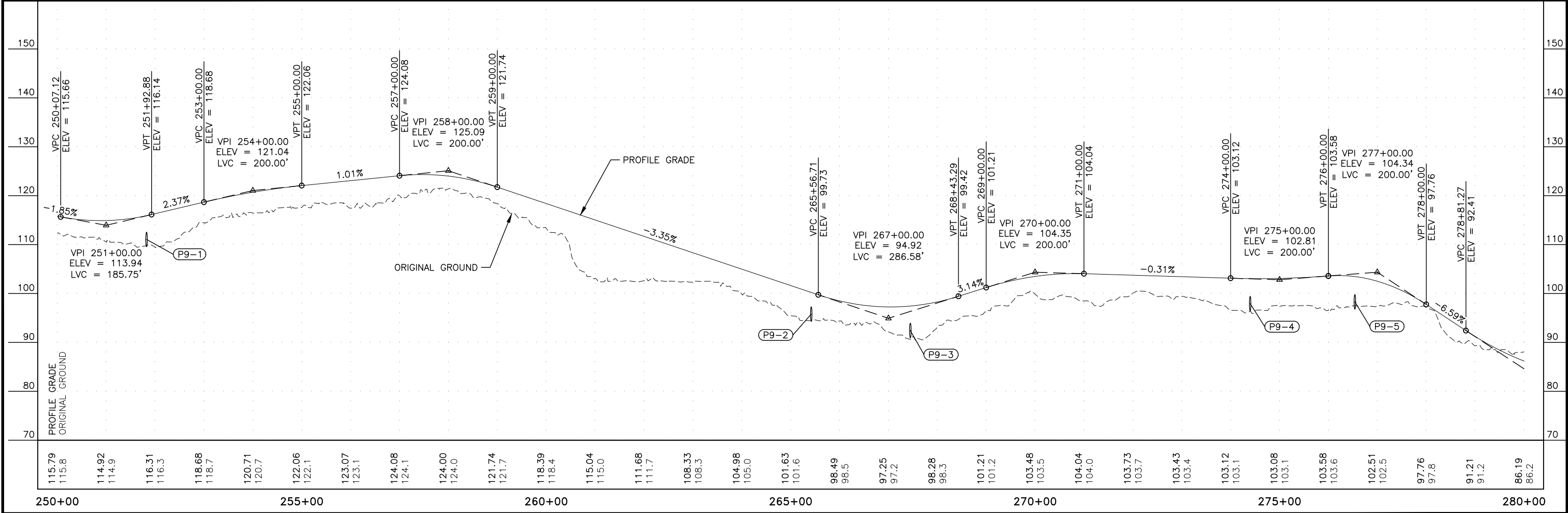
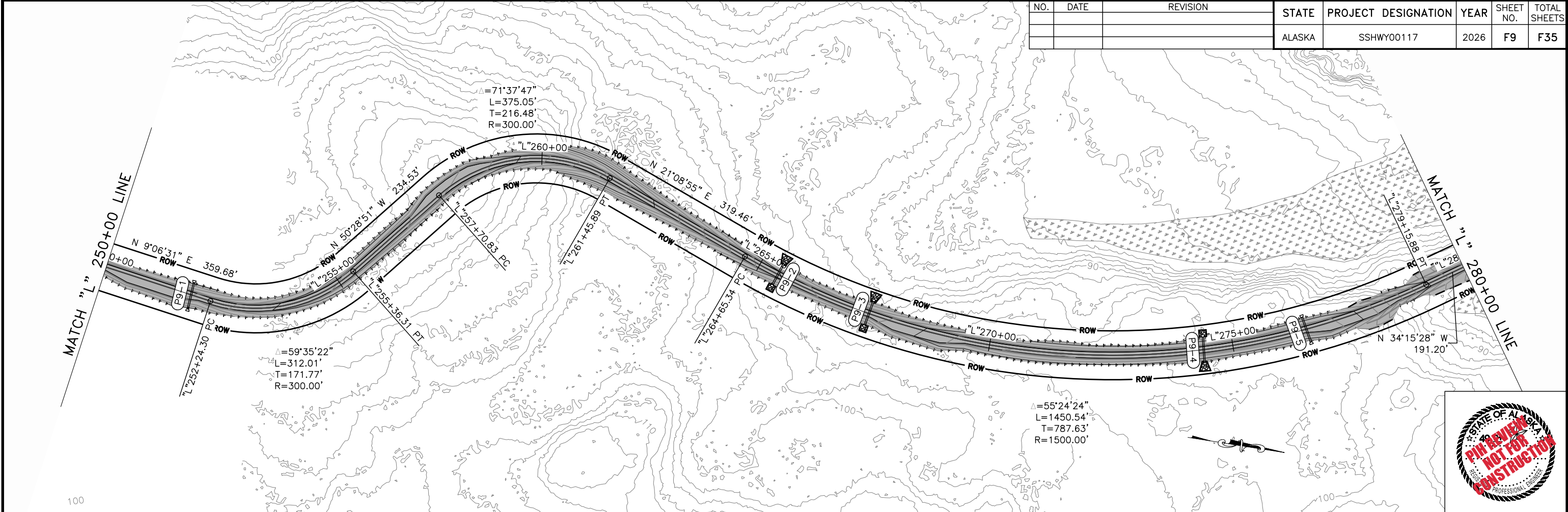
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	F7	F35



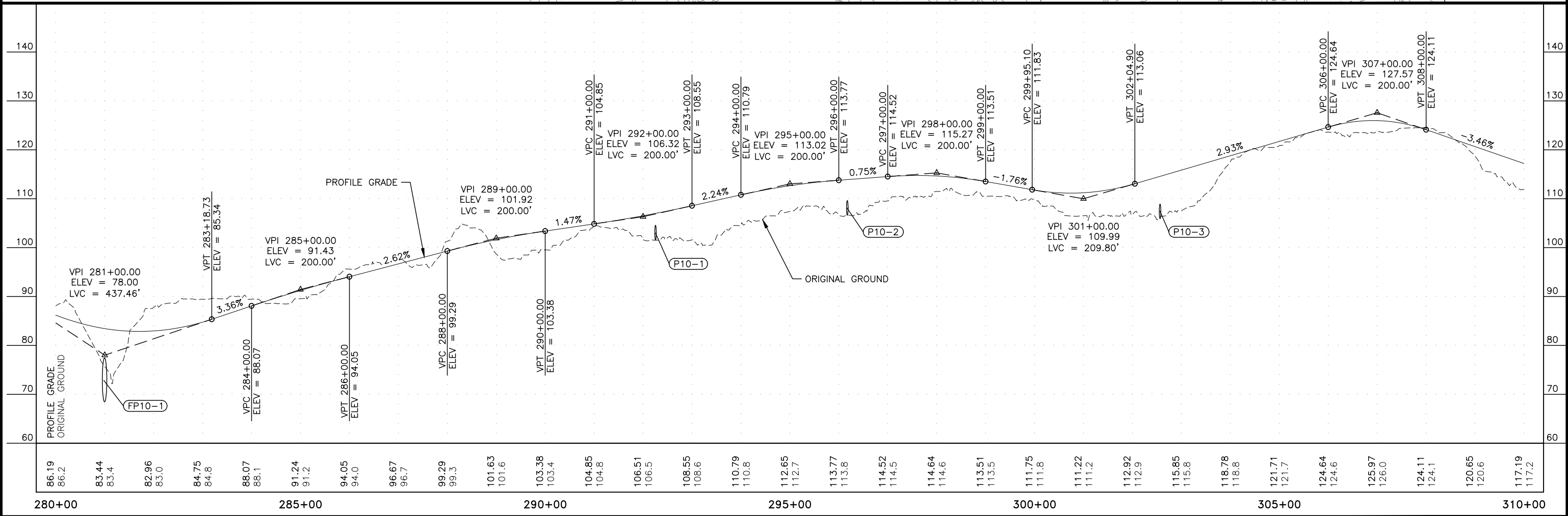
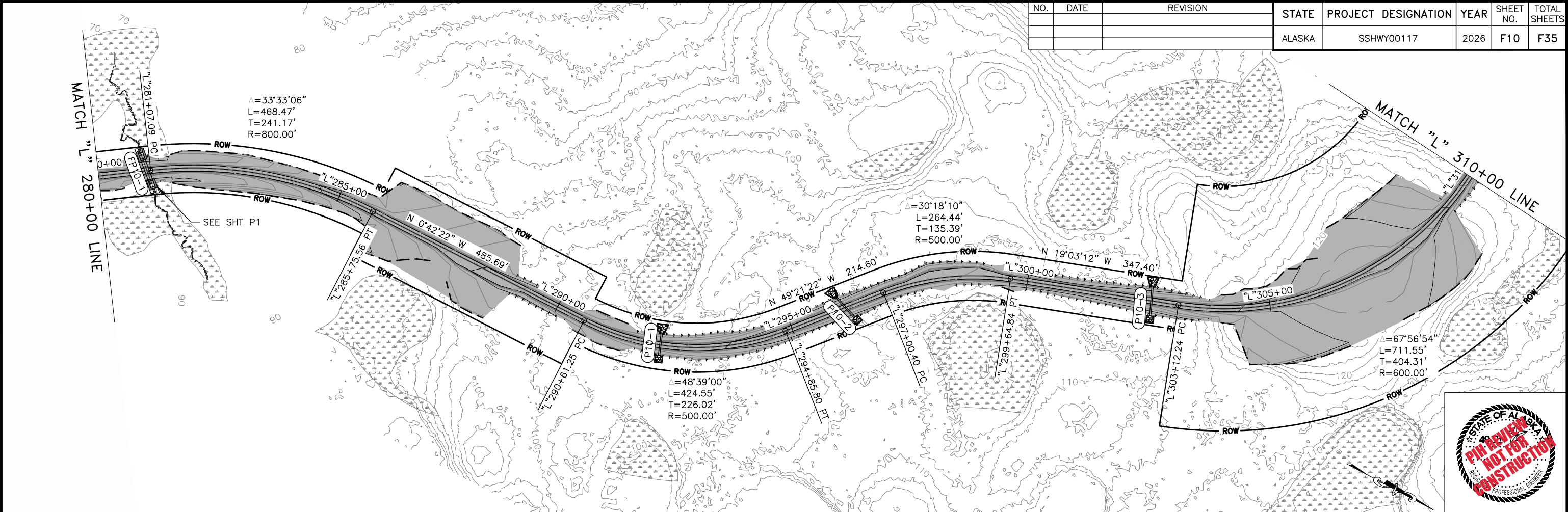
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F8	F35



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F9	F35

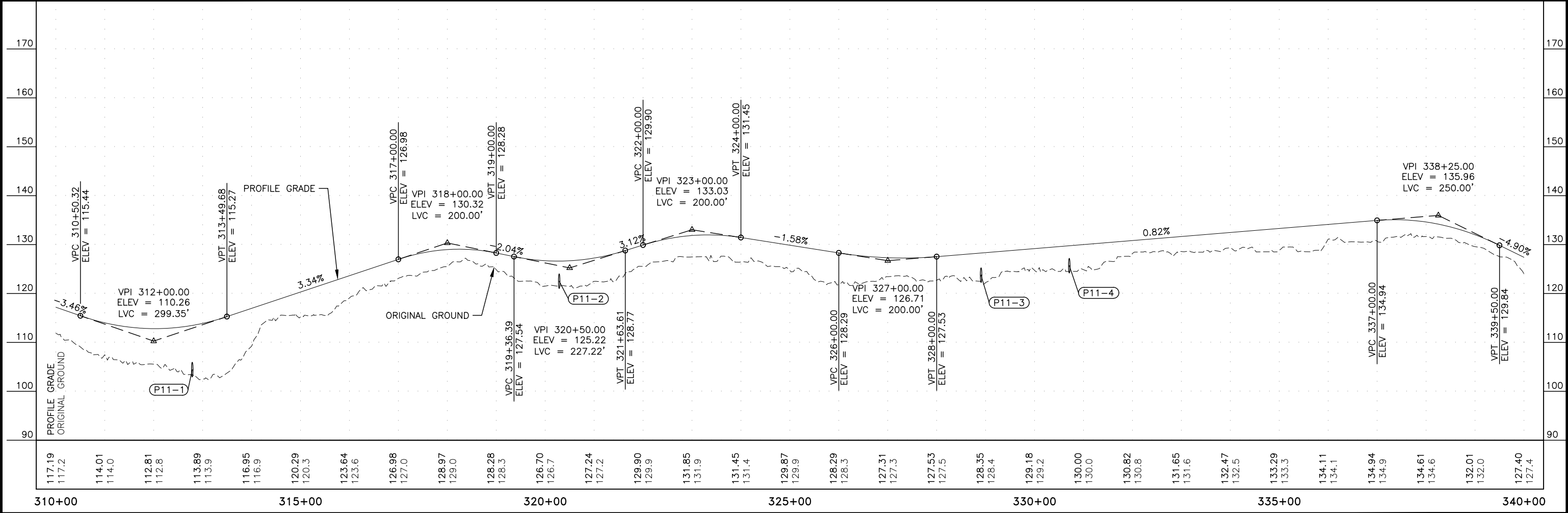
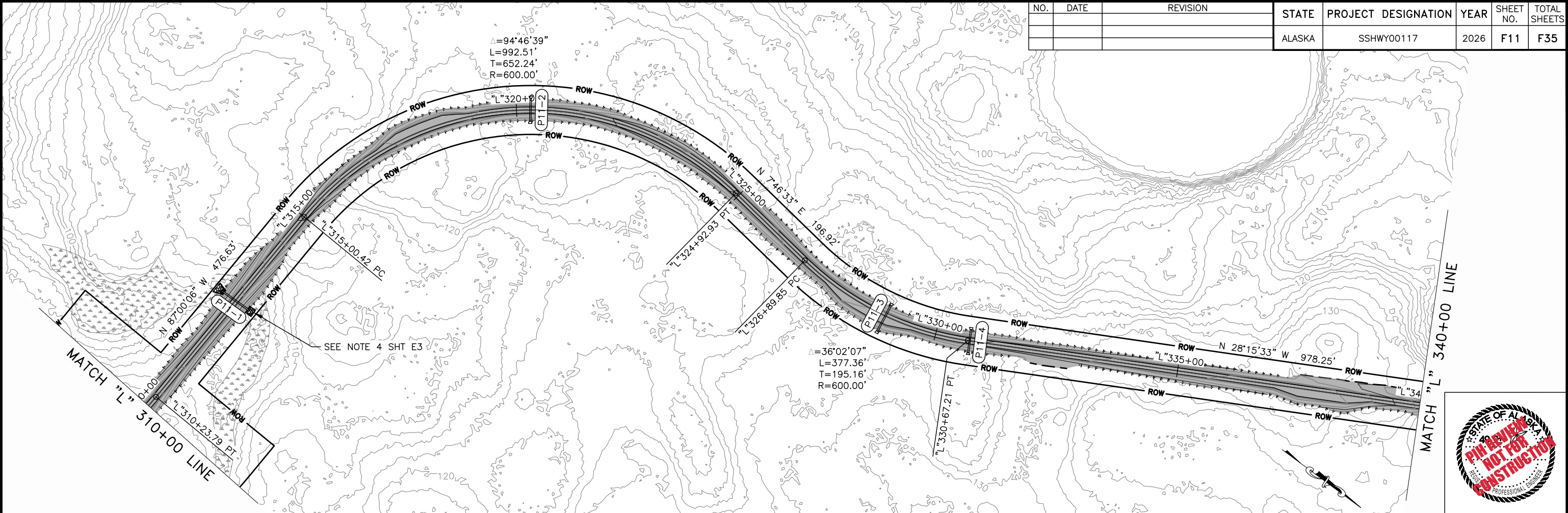


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F10	F35

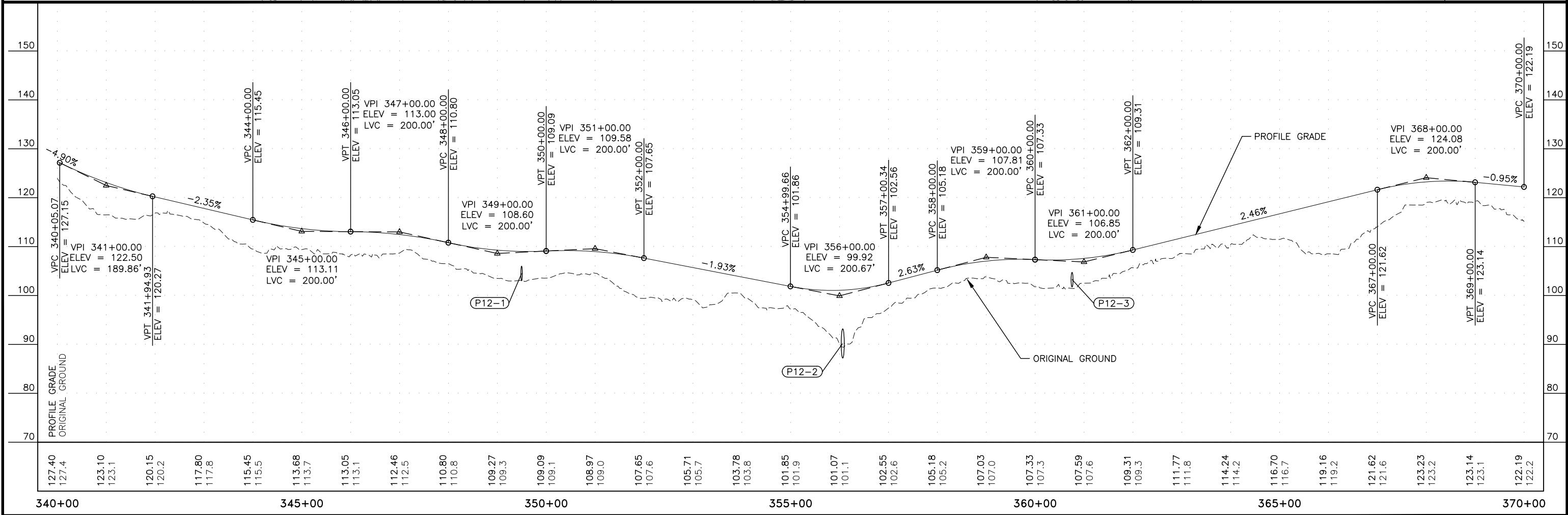
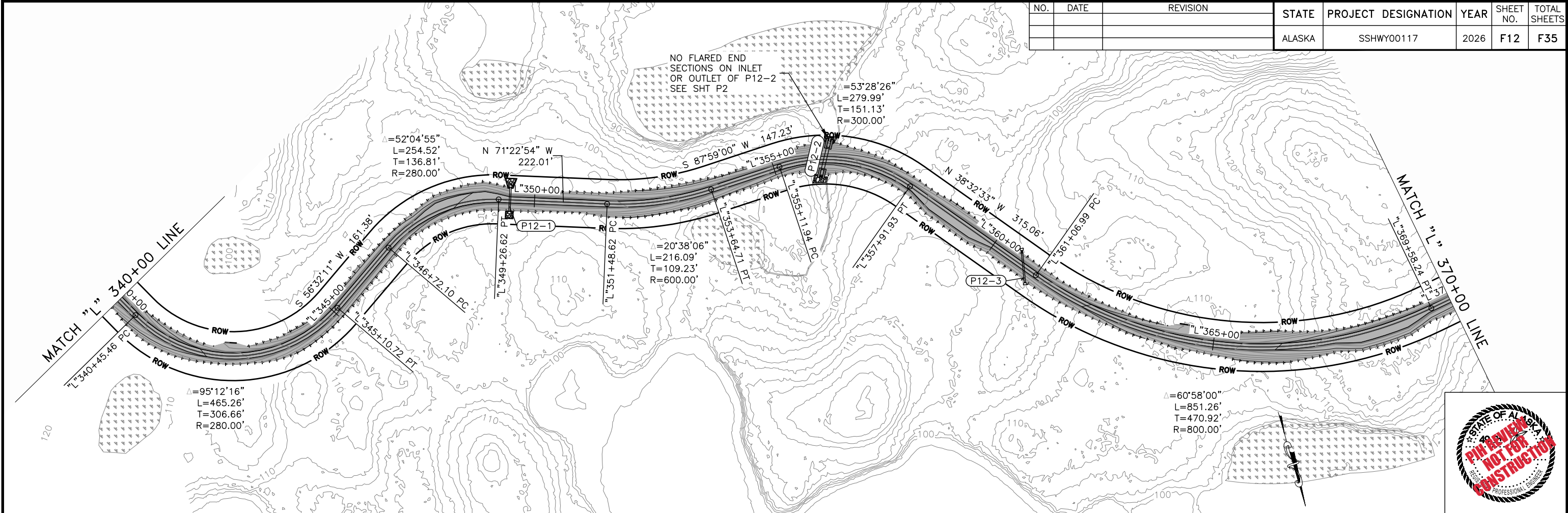


PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F11 Sun, Feb/22/26 01:27pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	F11	F35

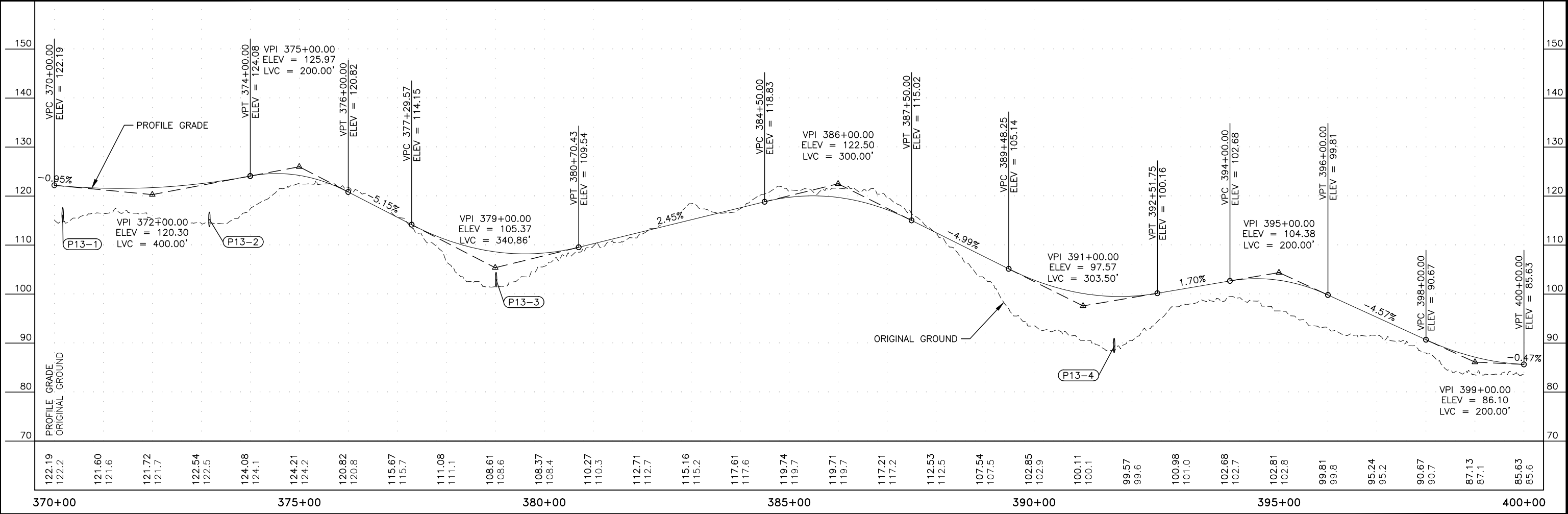
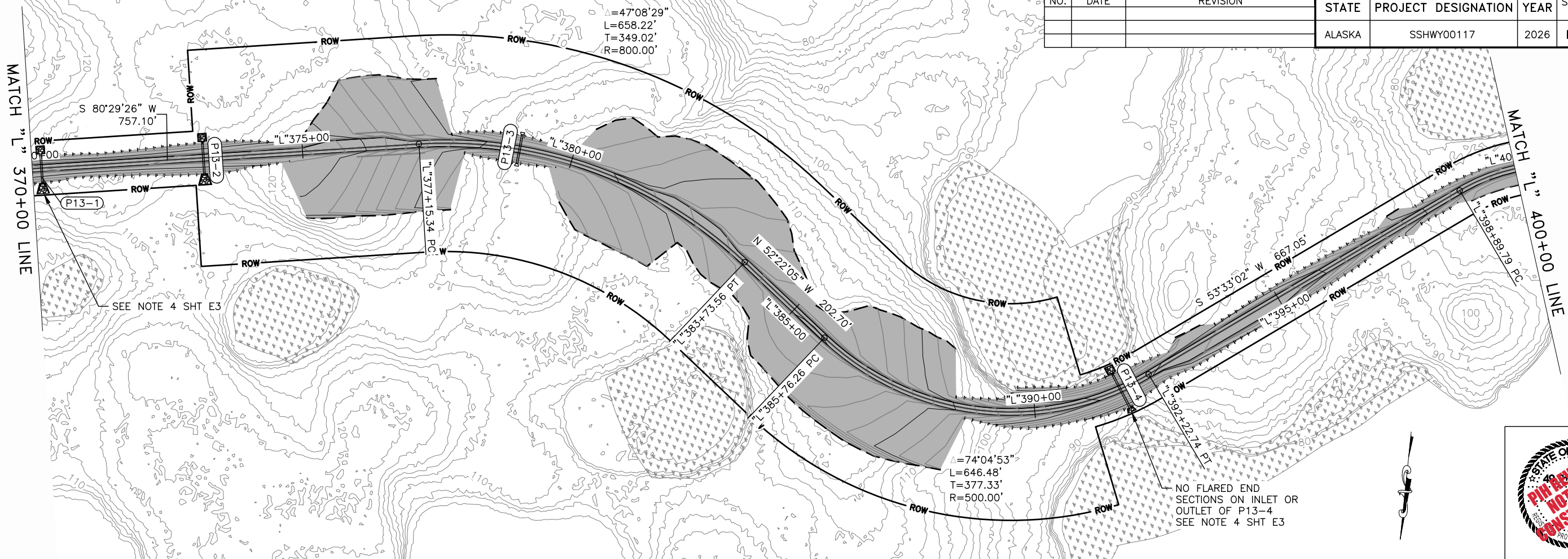


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F12	F35

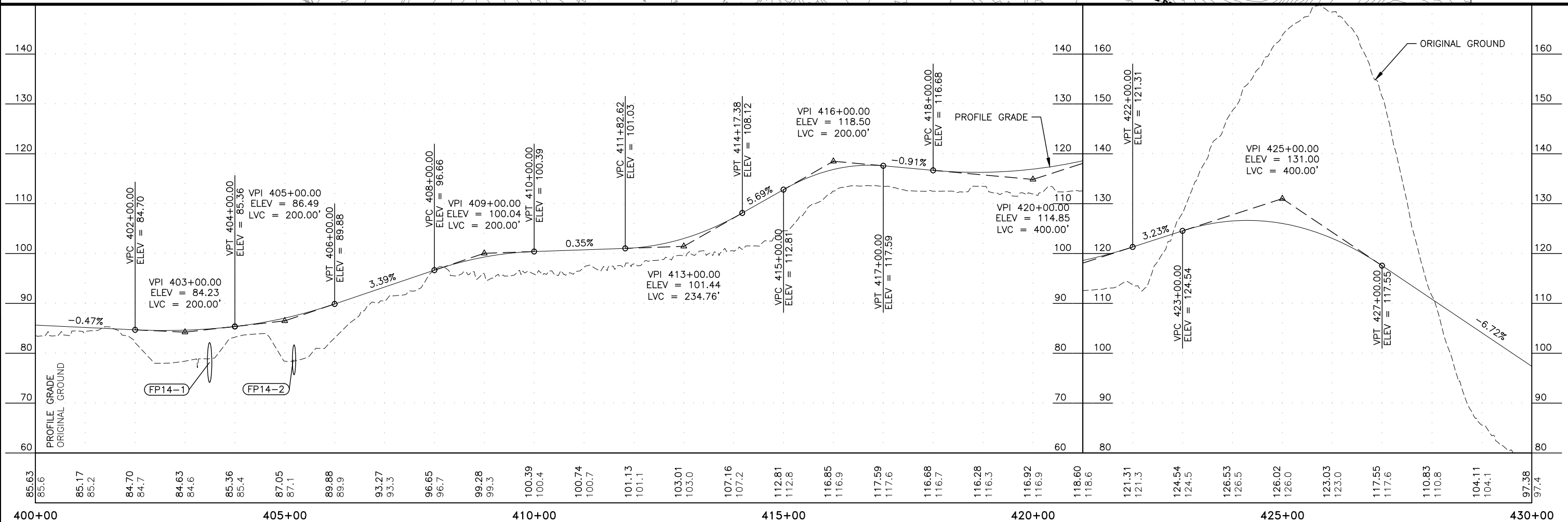
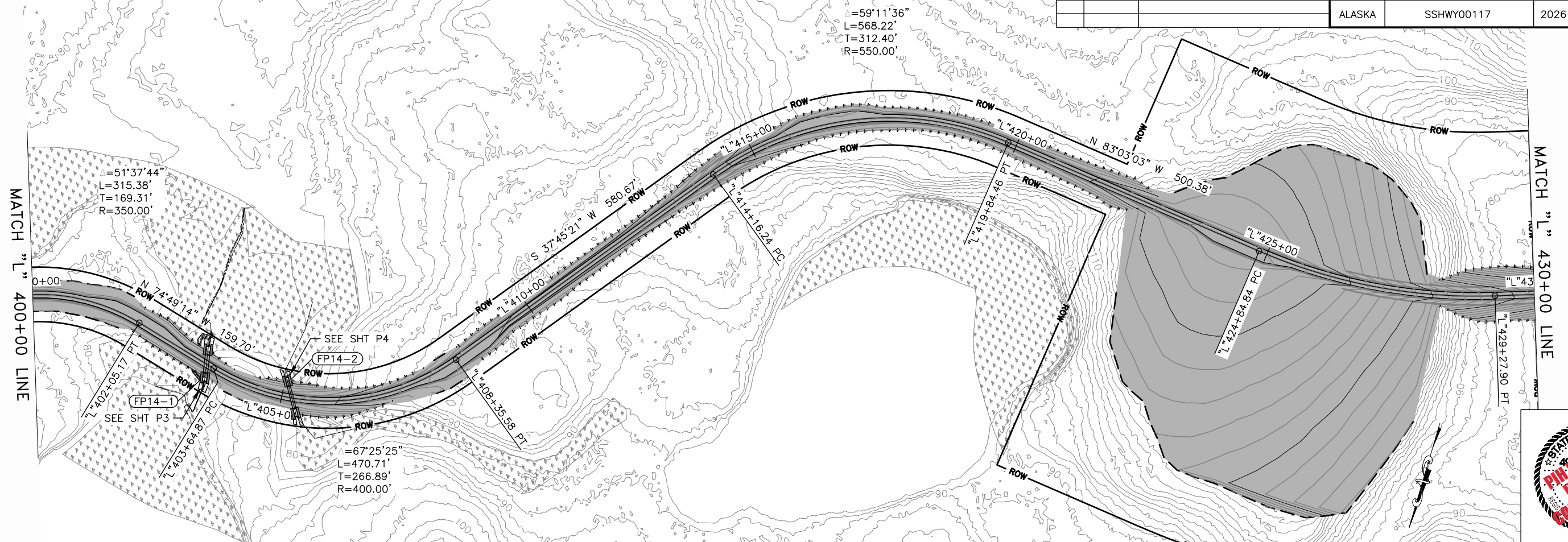


PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F13 Sun, Feb/22/26 01:28pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	F13	F35



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	F14	F35



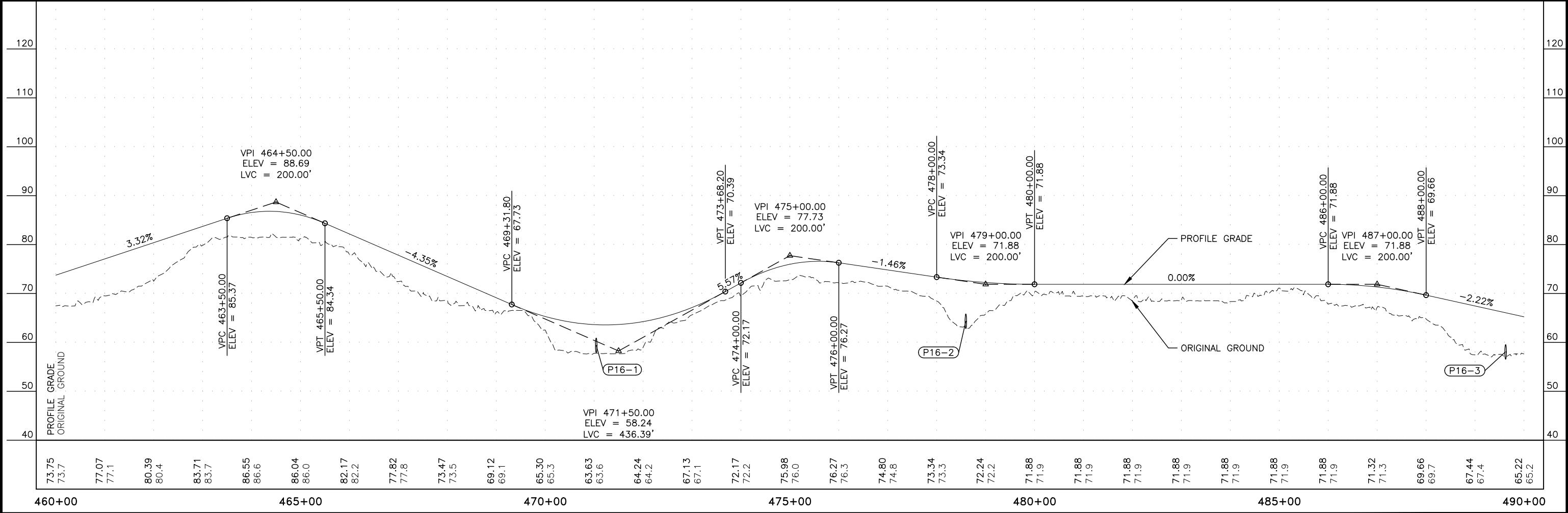
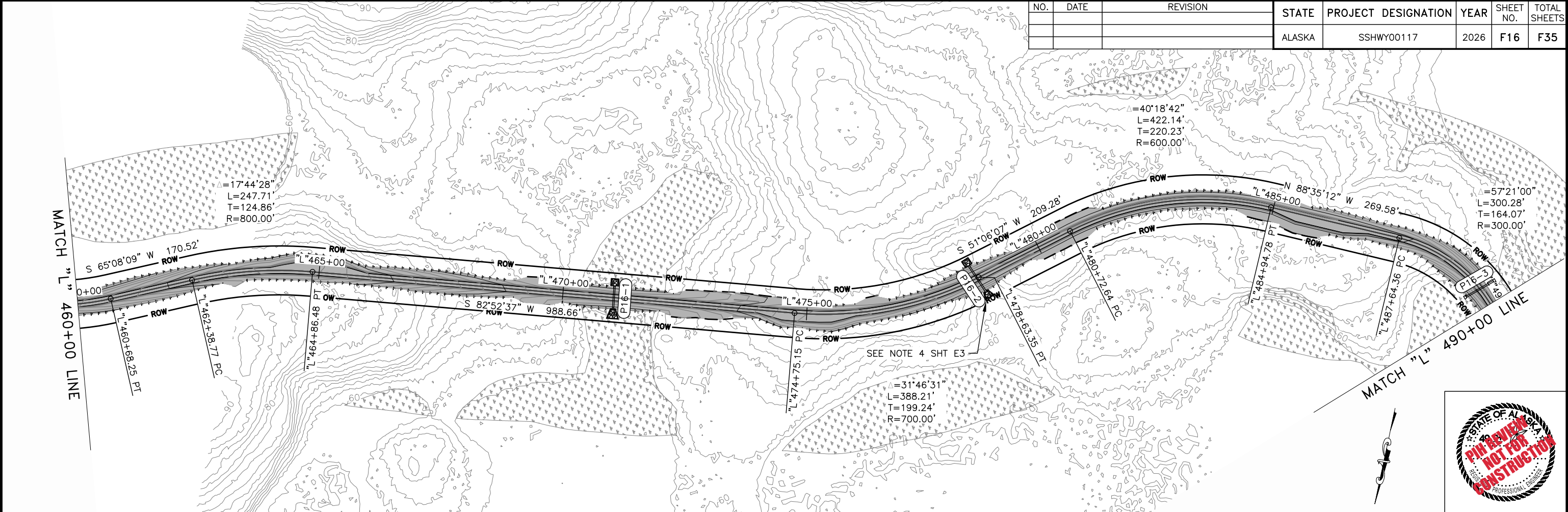
PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\d0432372\00117-F-PnP-F14 Sun, Feb/22/26 01:28pm

PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\0432372\00117-F-PnP-F15 Sun, Feb/22/26 01:29pm



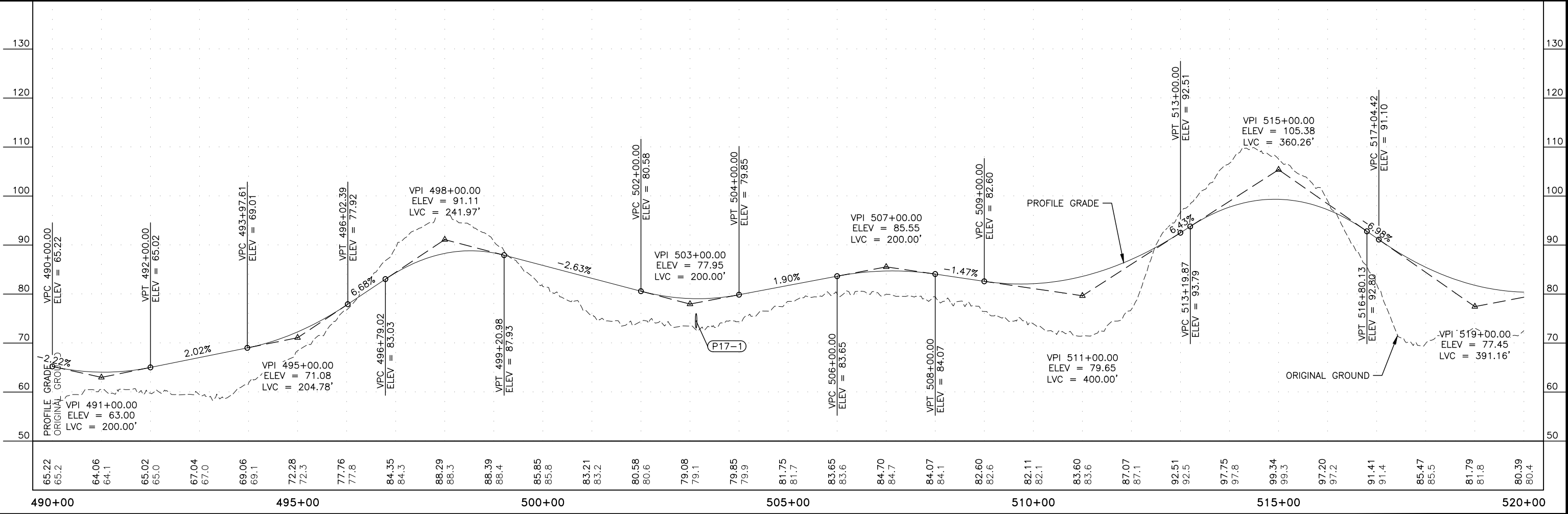
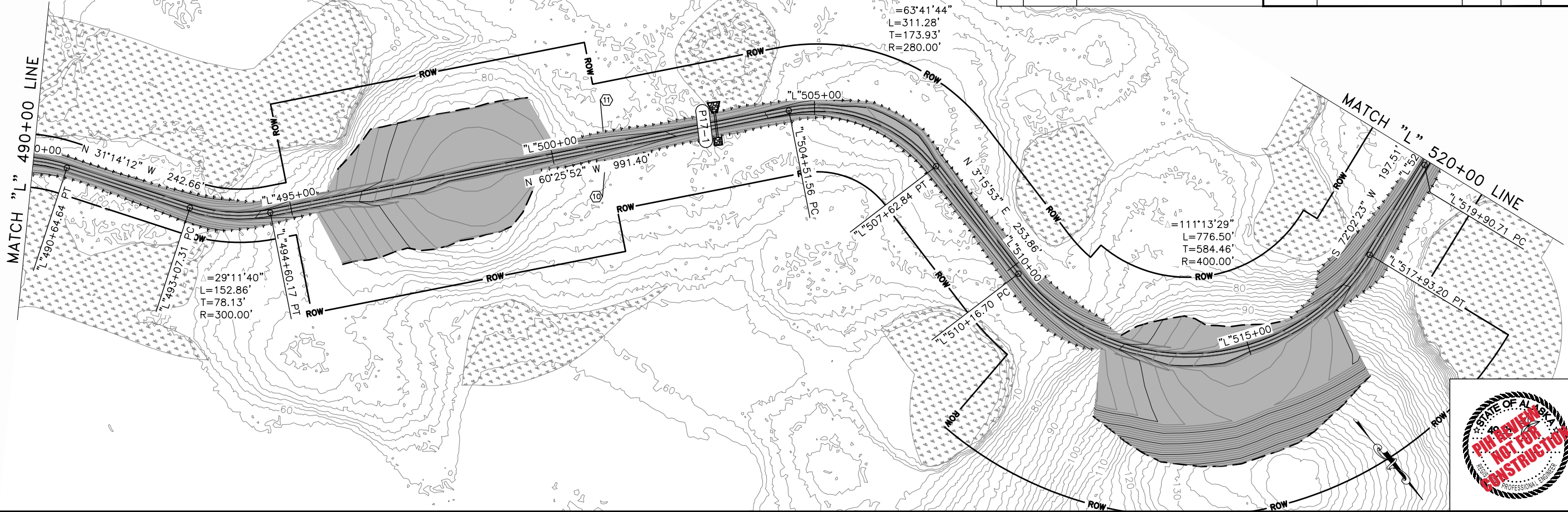
PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F16 Sun, Feb/22/26 01:29pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	F16	F35

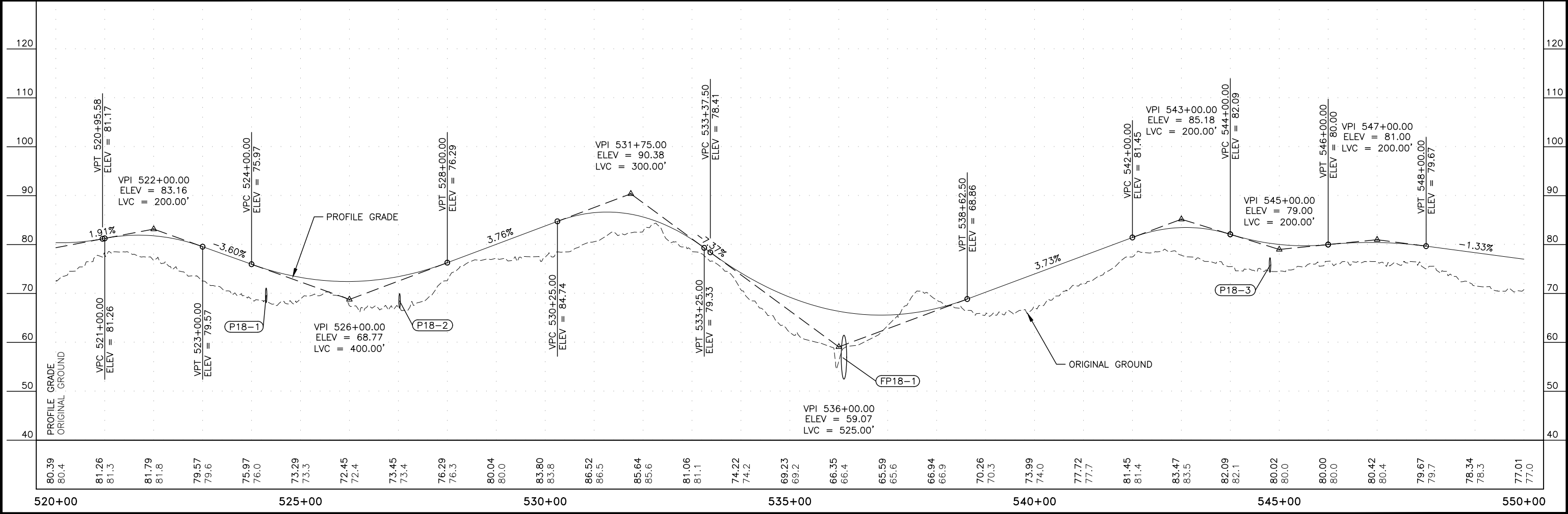
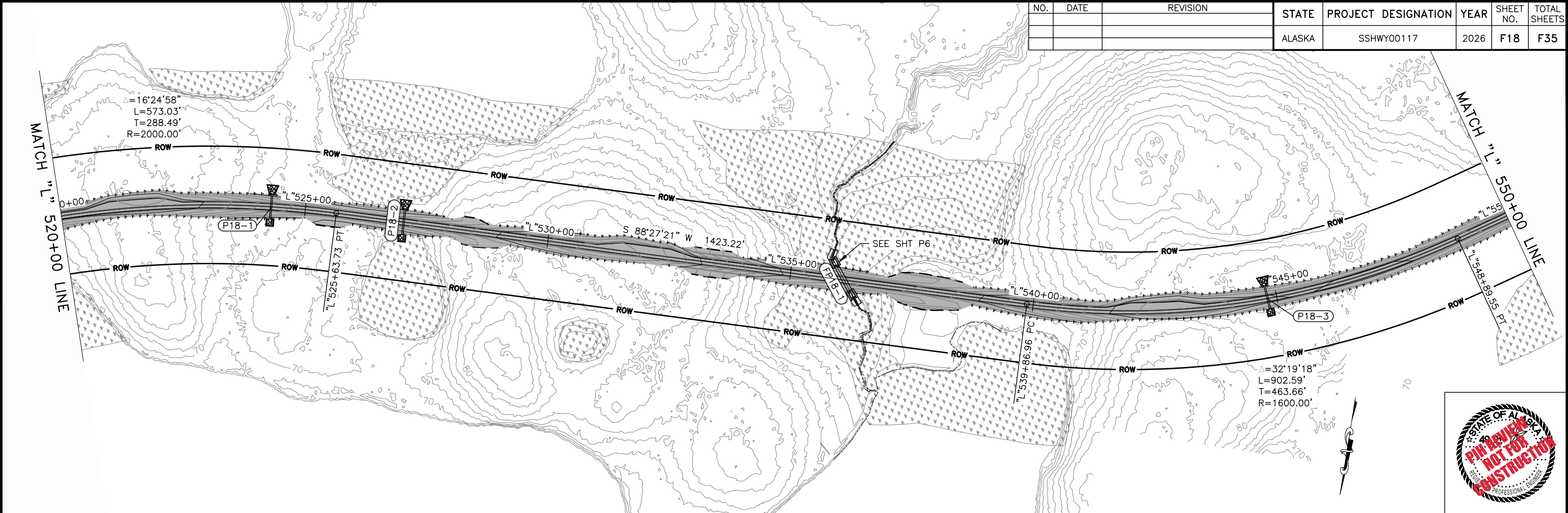


PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F17 Sun, Feb/22/26 01:30pm

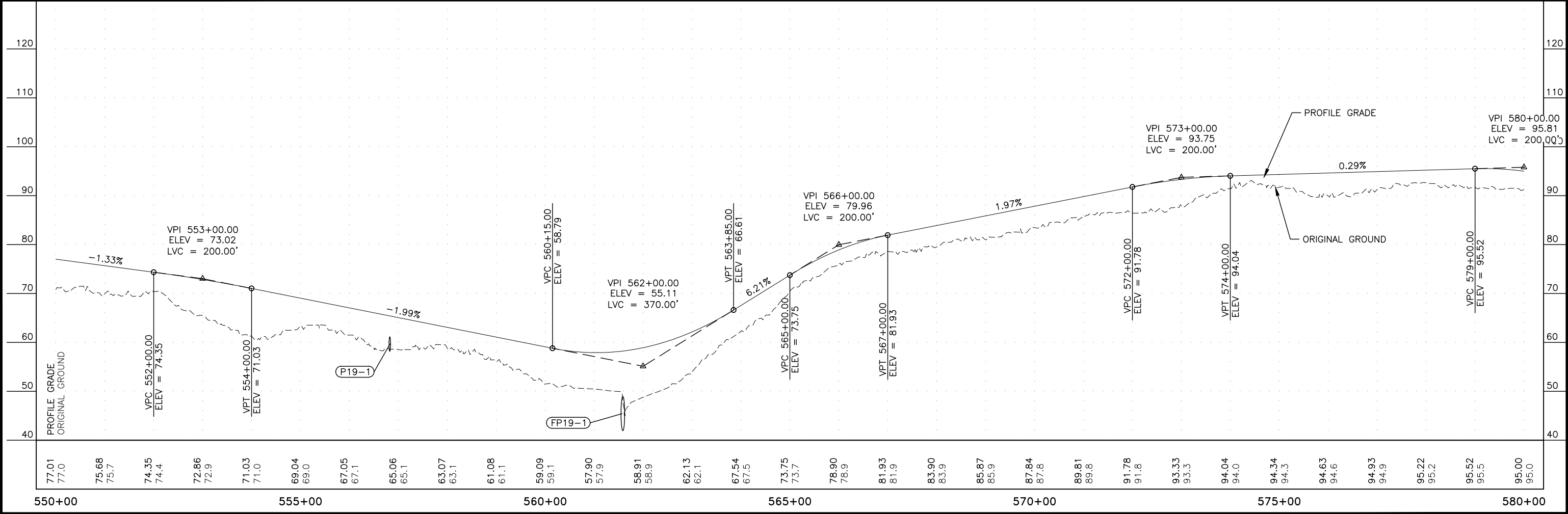
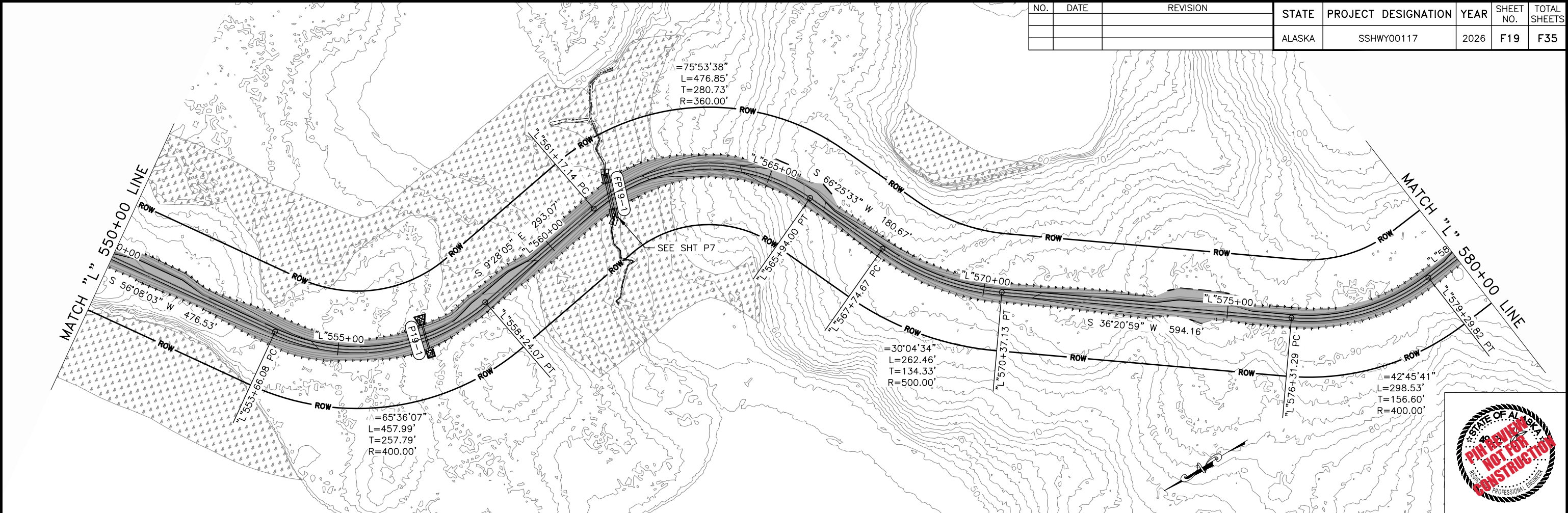
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F17	F35



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F18	F35

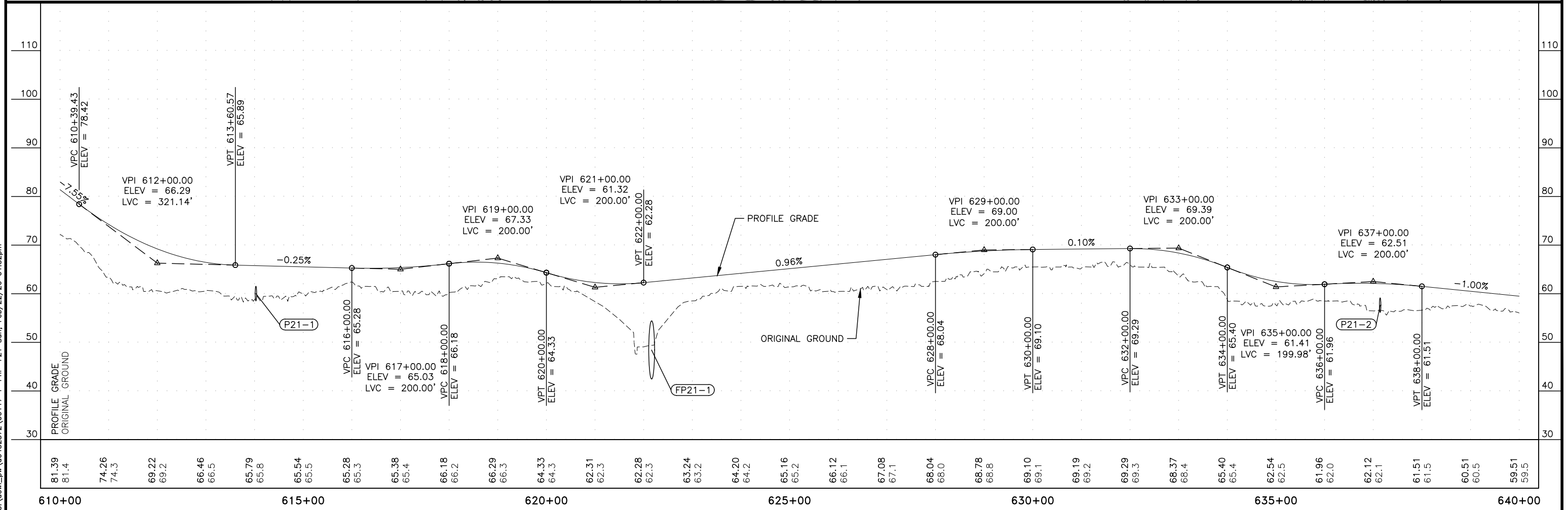
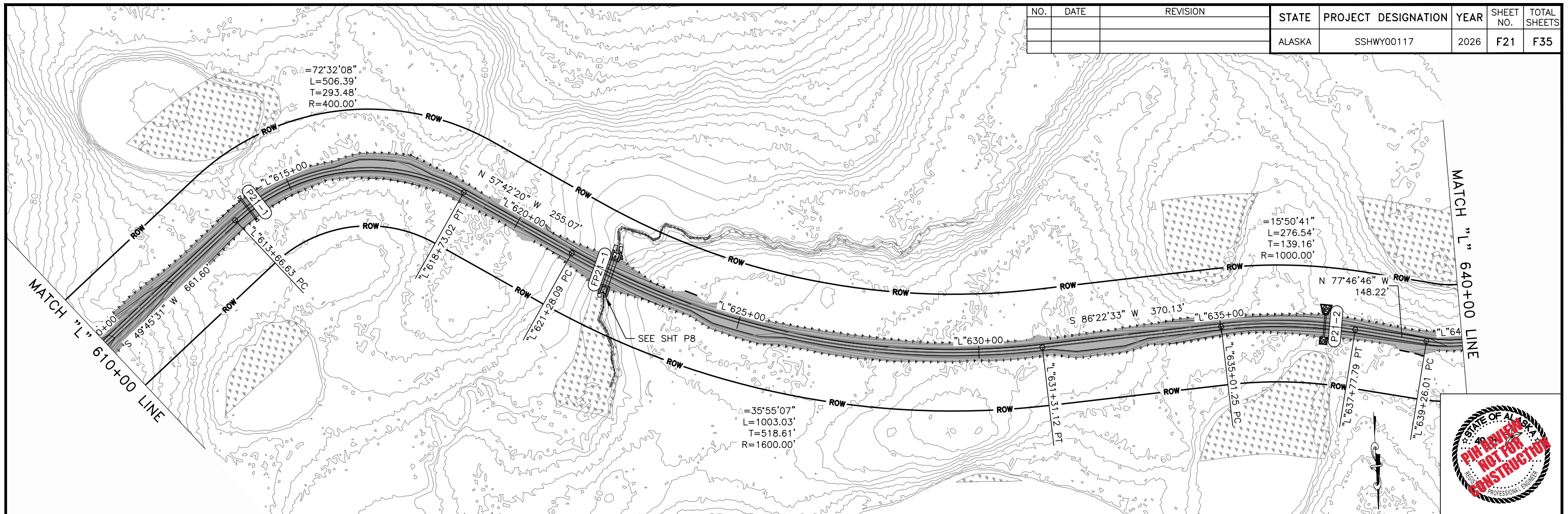


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F19	F35



PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\040432372\00117-F-PnP-F19 Sun, Feb/22/26 01:31pm

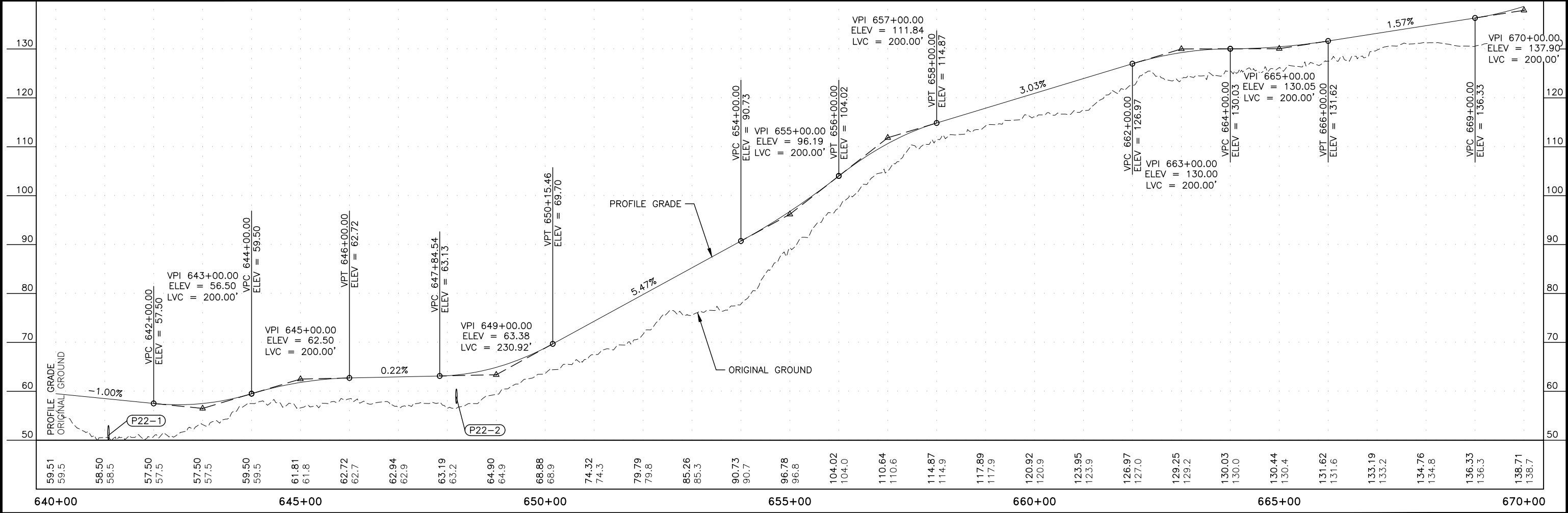
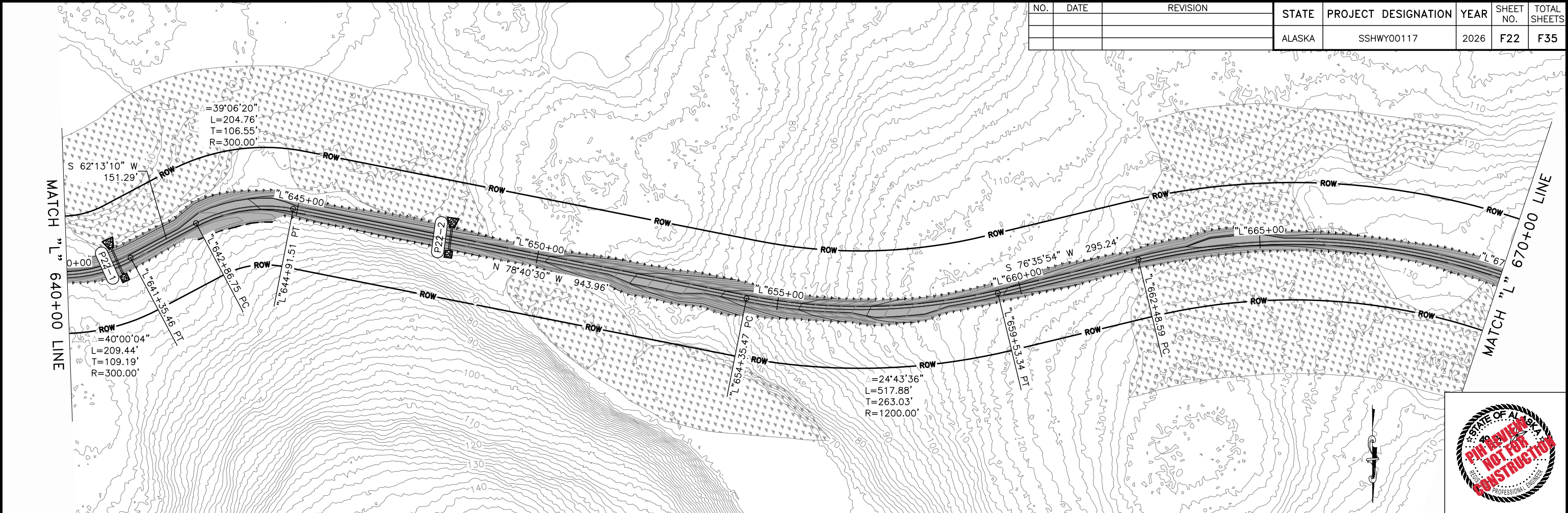
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F21	F35



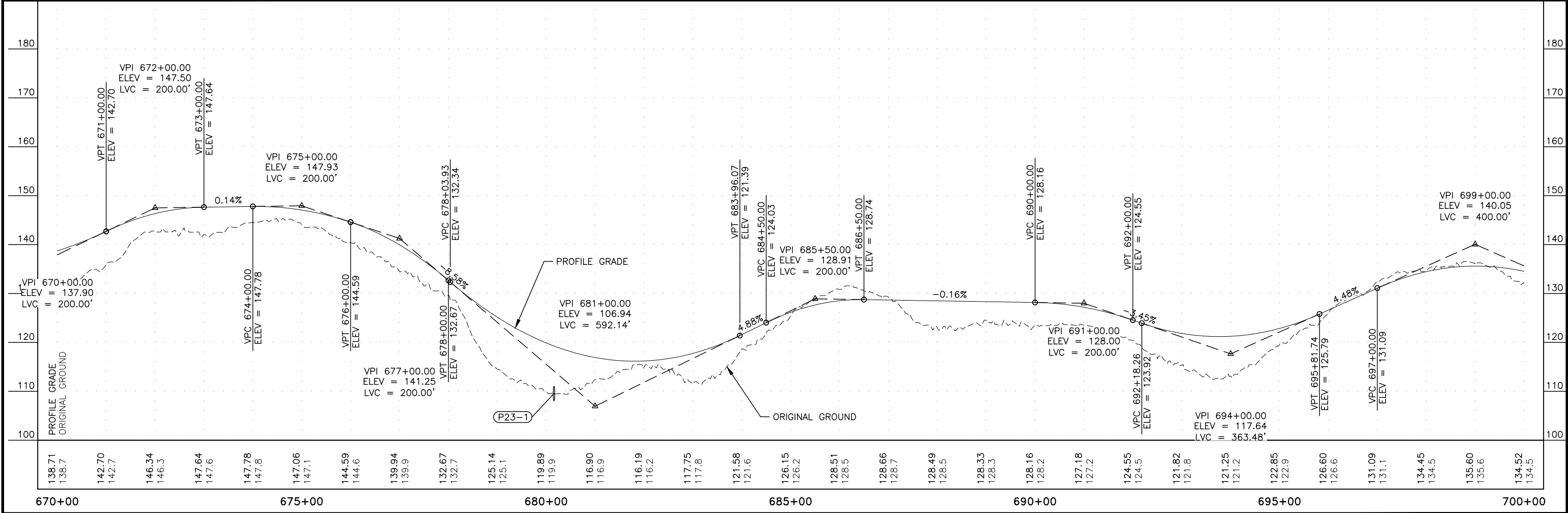
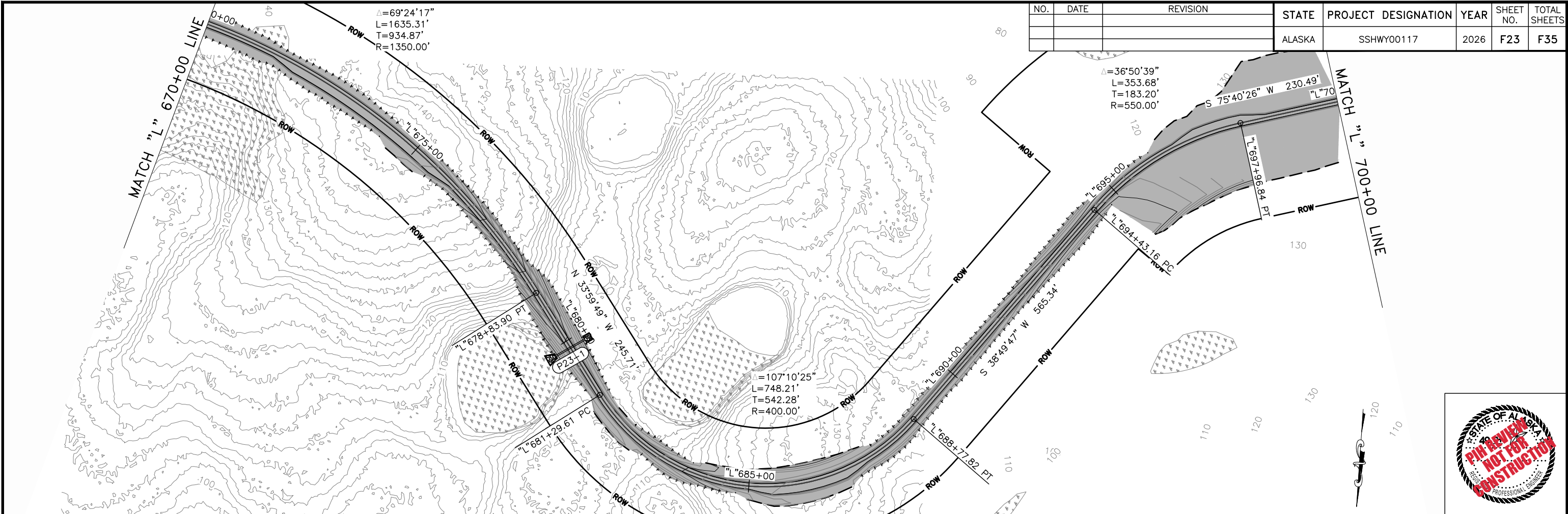
PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\d0432372\00117-F-PnP-F21 Sun, Feb/22/26 01:32pm

PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F22 Sun, Feb/22/26 01:33pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F22	F35

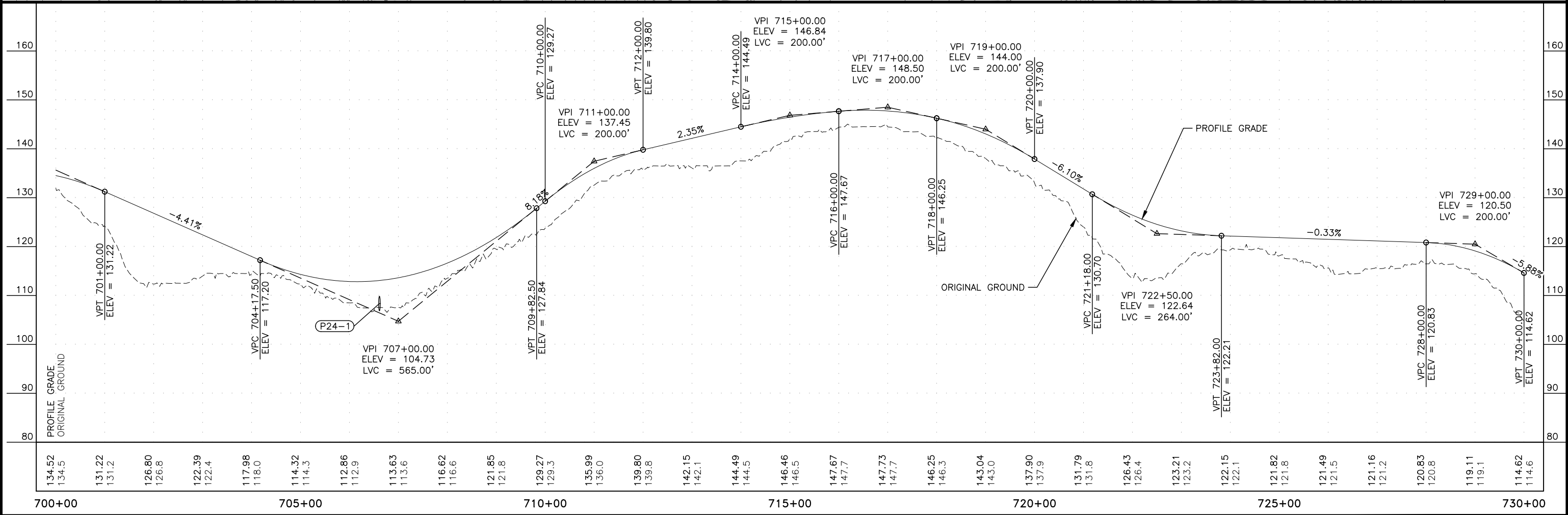
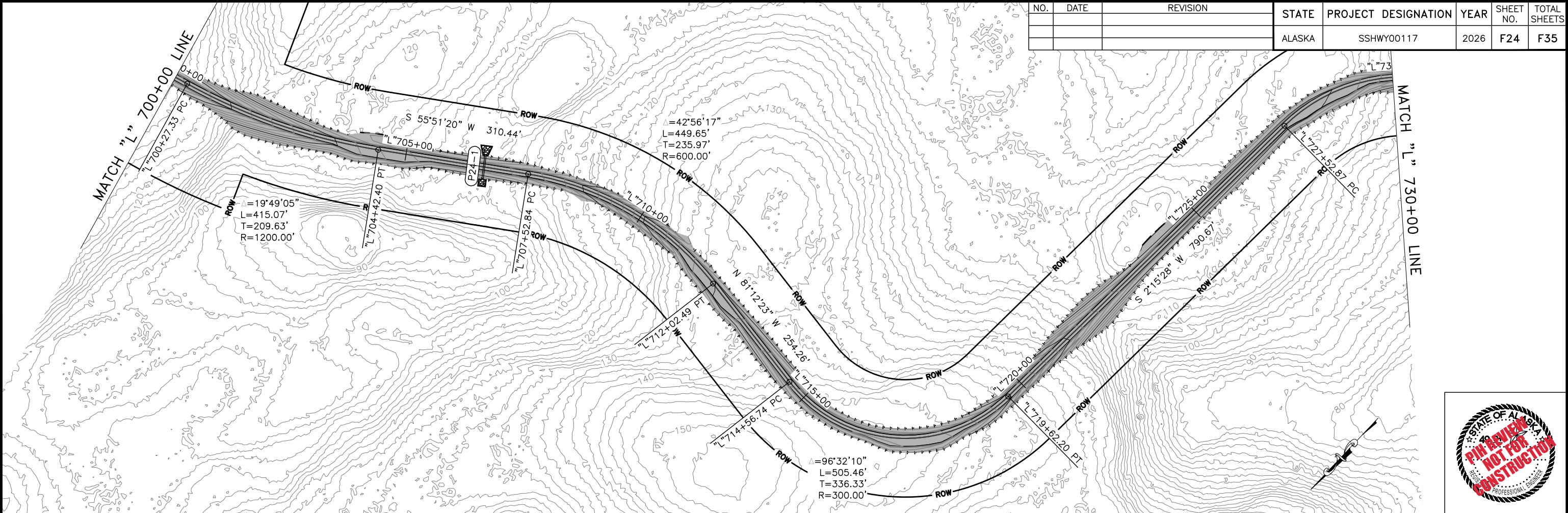


PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\00432372\00117-F-PnP-F23 Sun, Feb/22/26 01:33pm



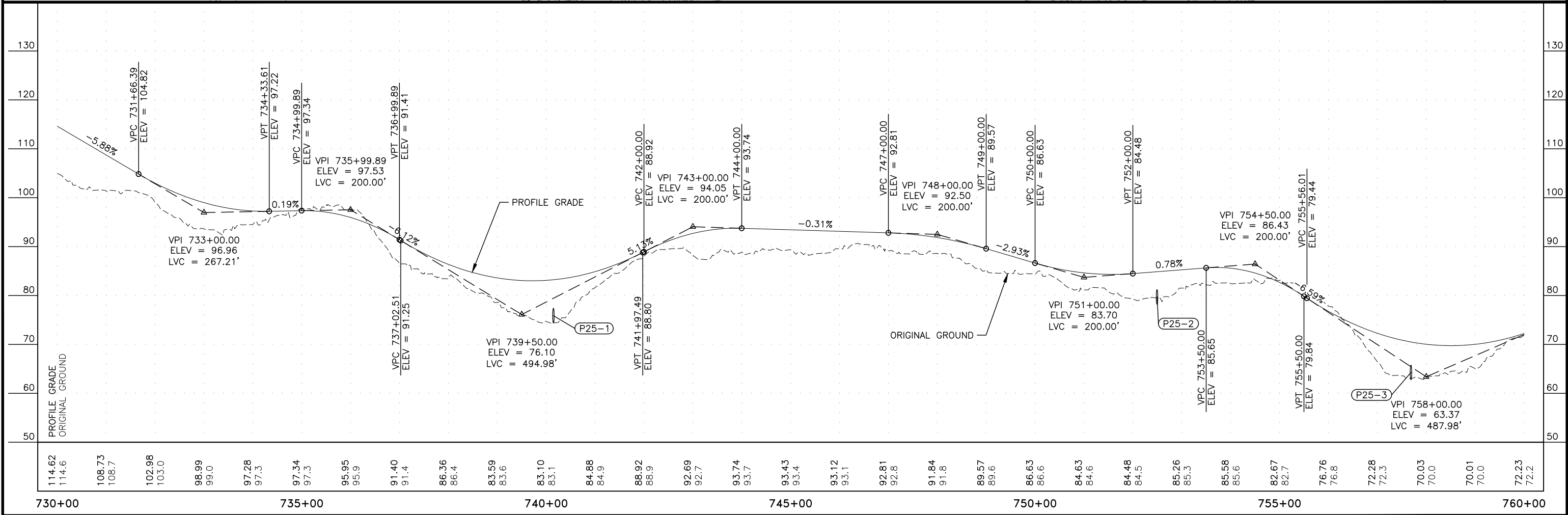
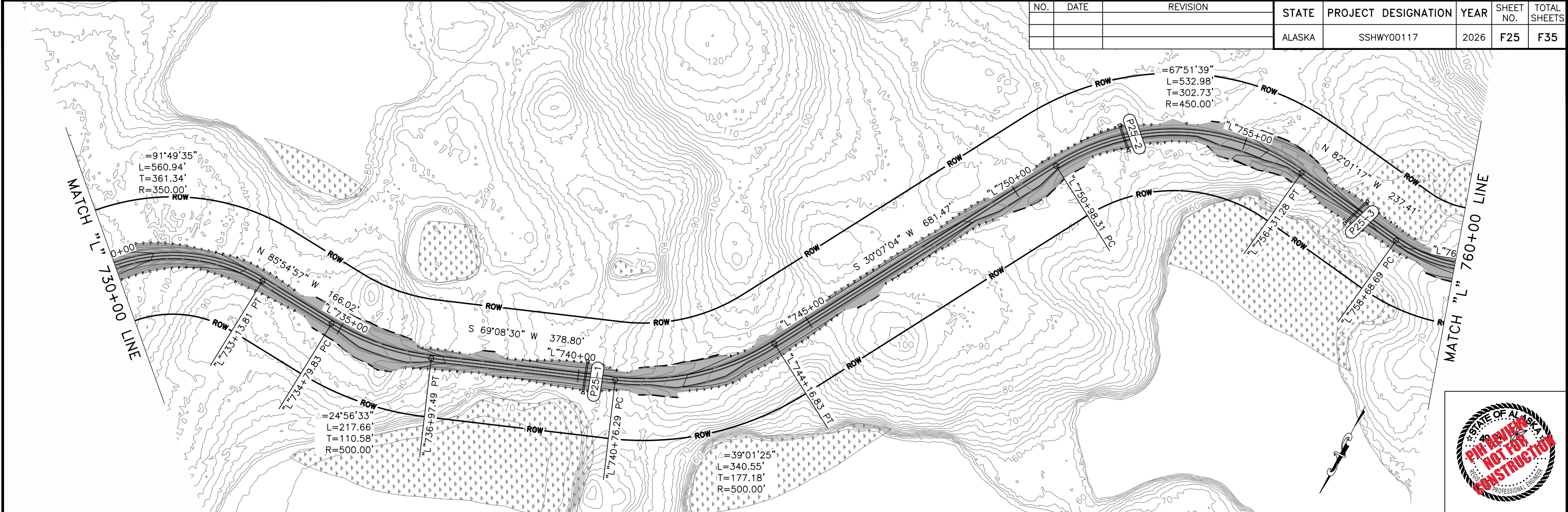
PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F24_Sun_Feb/22/26 01:34pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	F24	F35



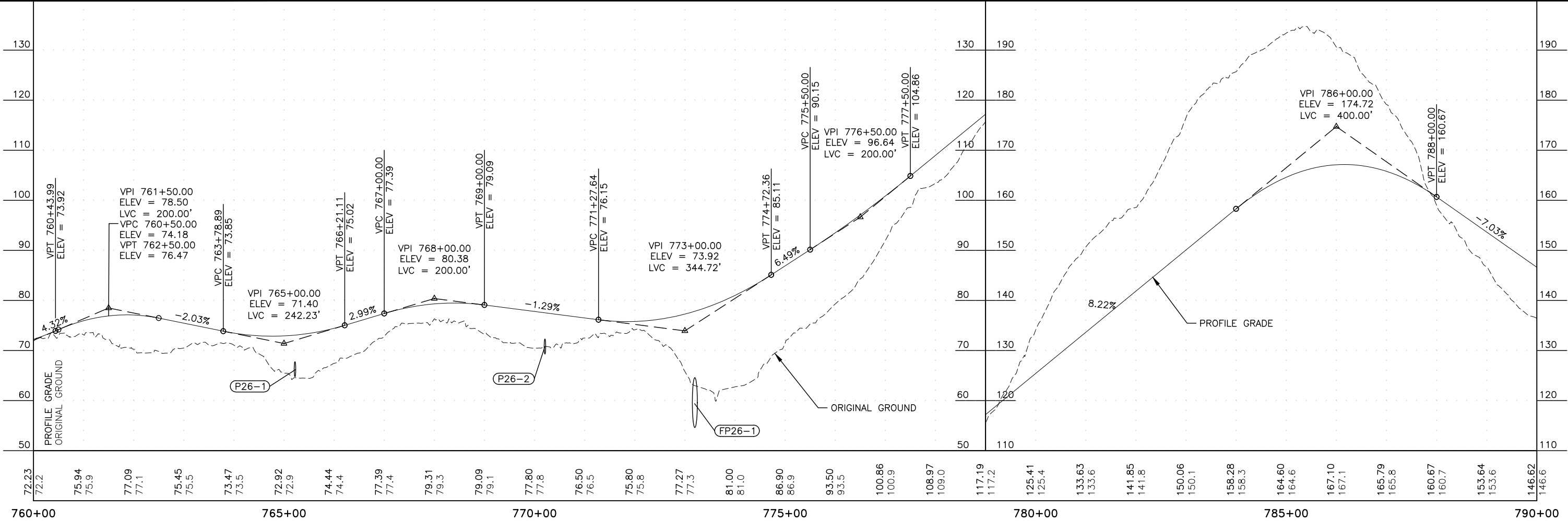
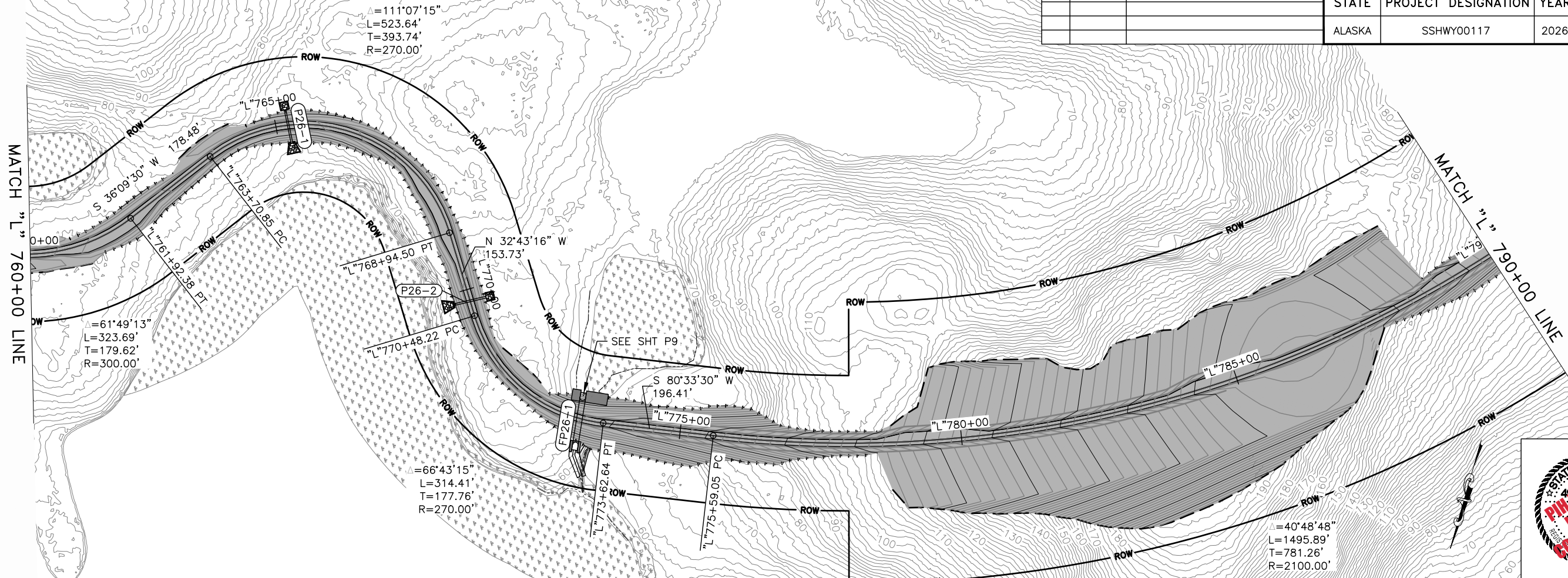
PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F25 Sun, Feb/22/26 01:34pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F25	F35

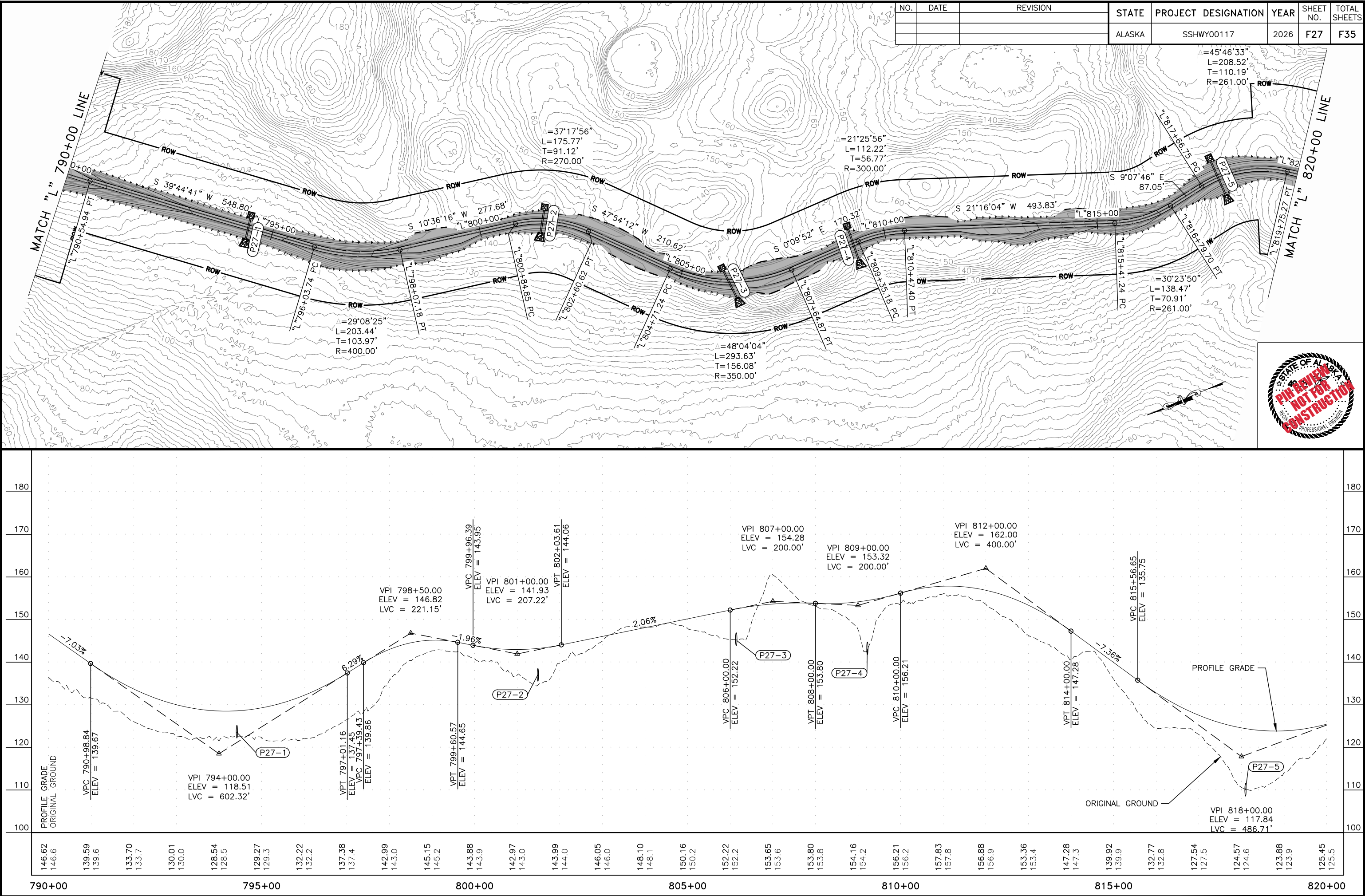


PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\0432372\00117-F-PnP-F26 Sun, Feb/22/26 01:35pm

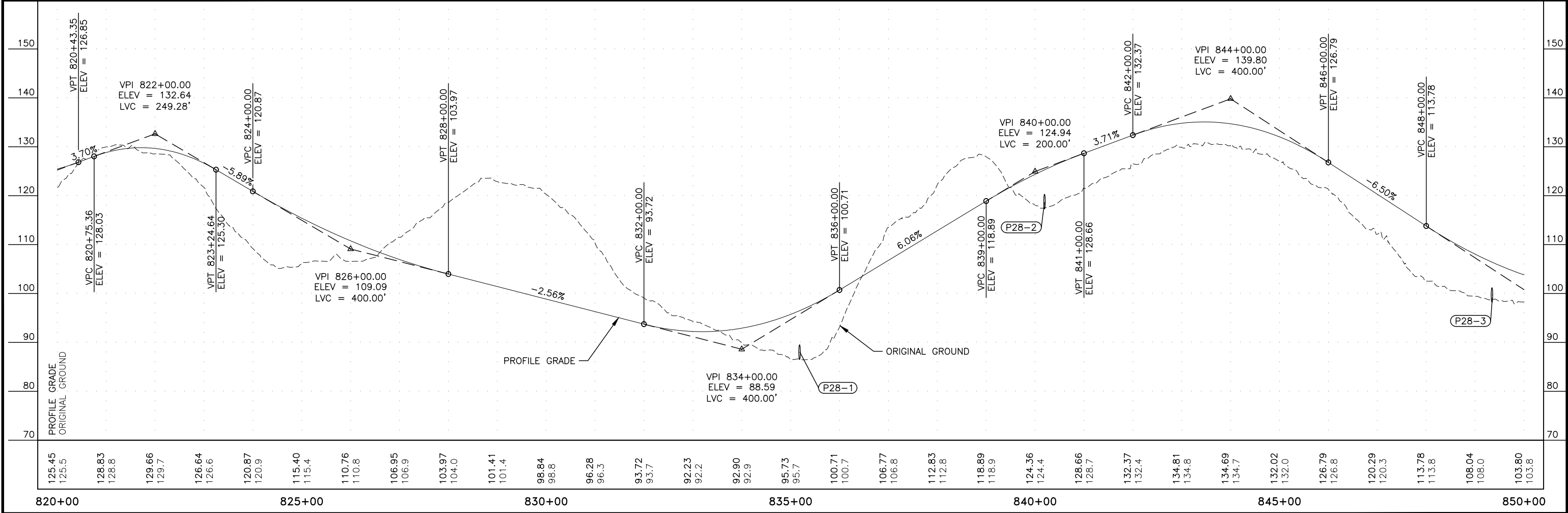
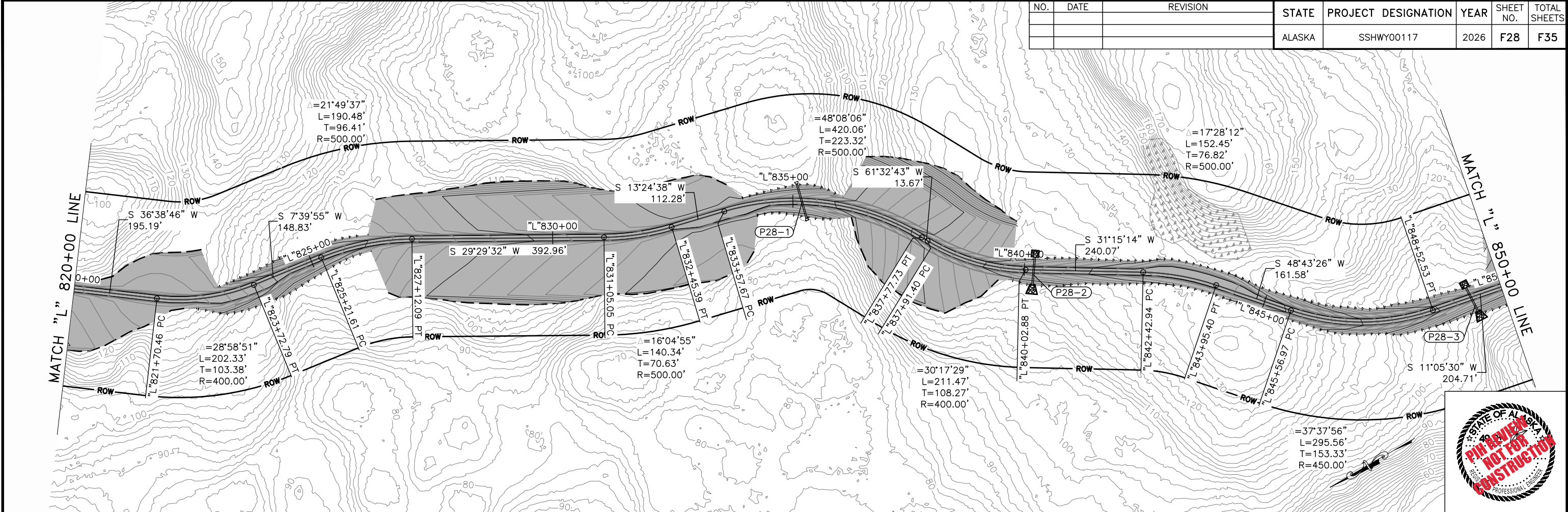
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F26	F35



PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F27 Sun, Feb/22/26 01:35pm

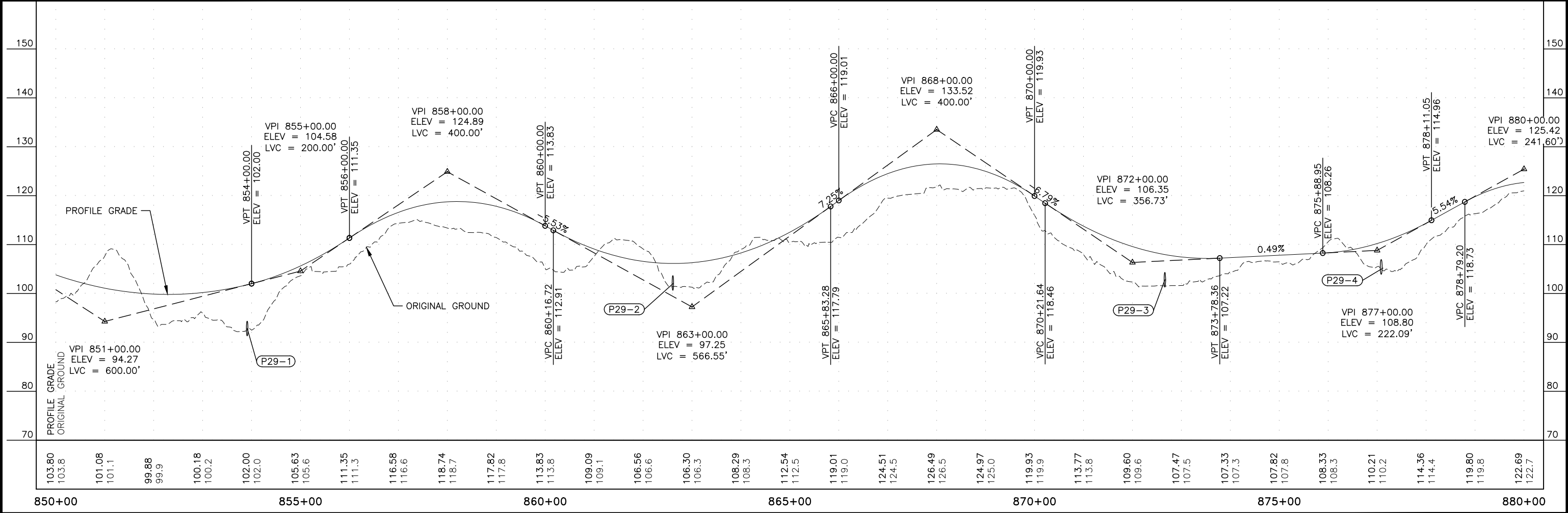
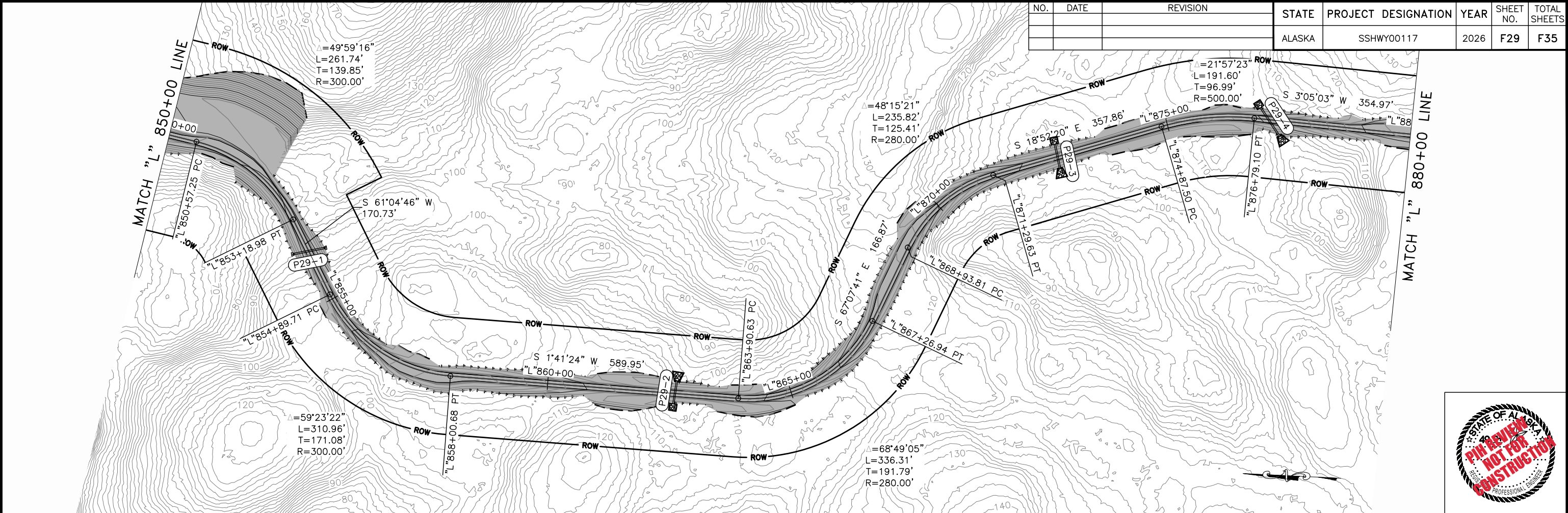


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	F28	F35

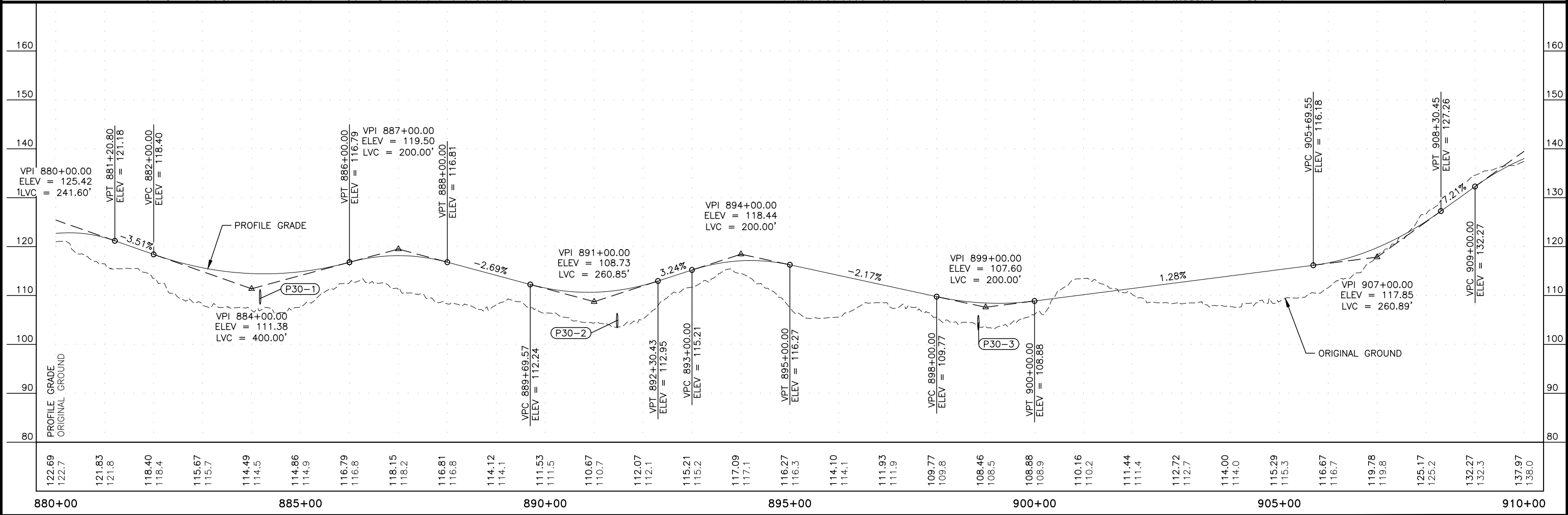
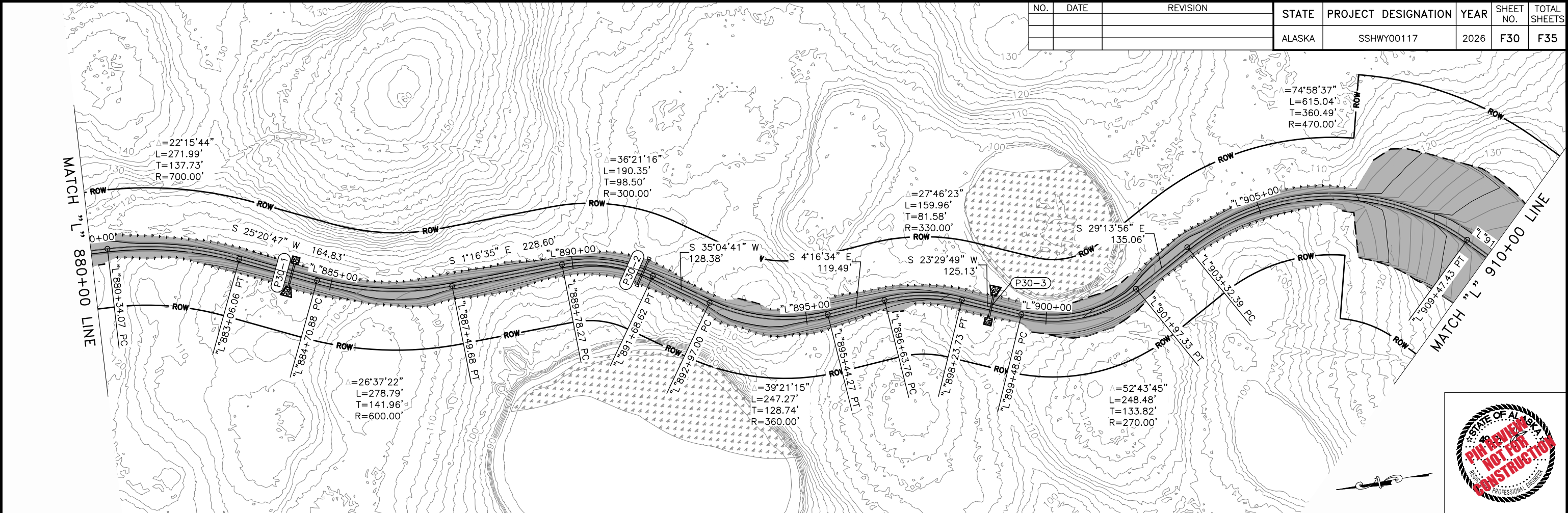


PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F29_Sun_Feb/22/26 01:36pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	F29	F35

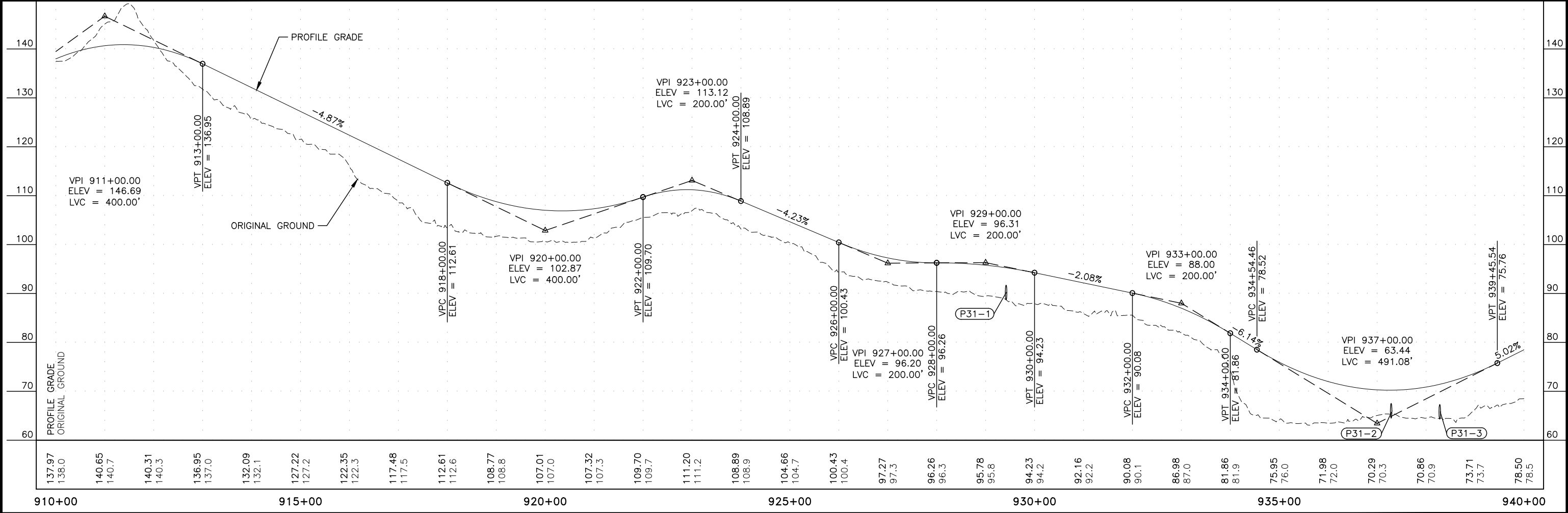
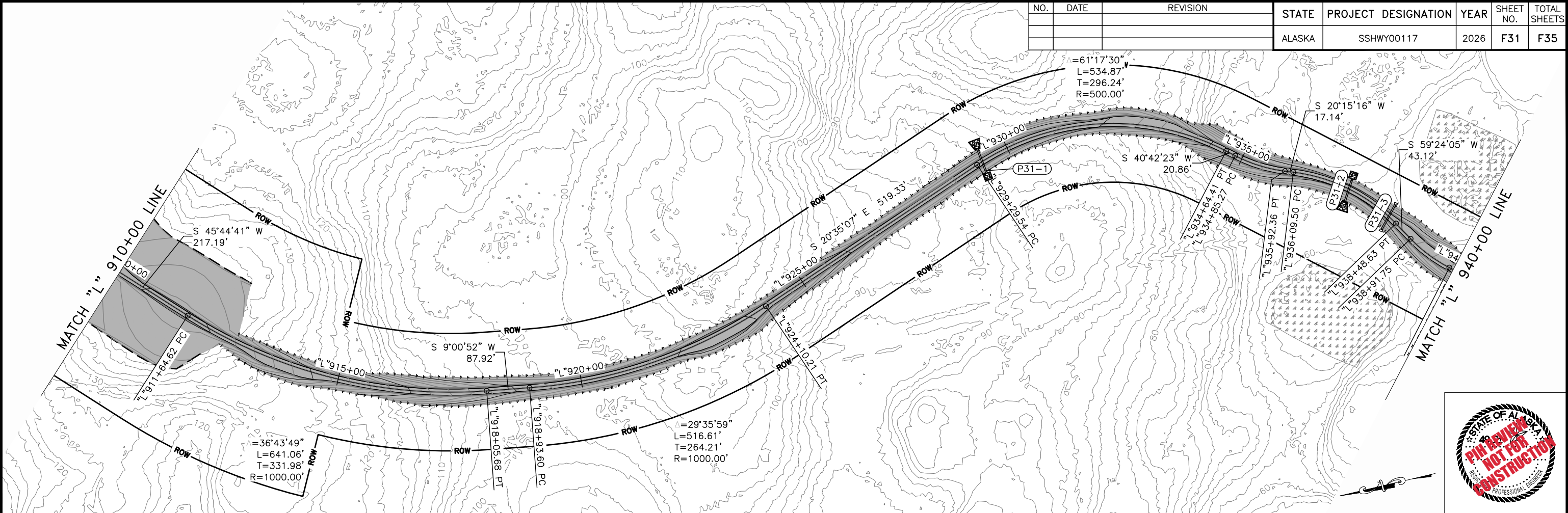


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHUY00117	2026	F30	F35



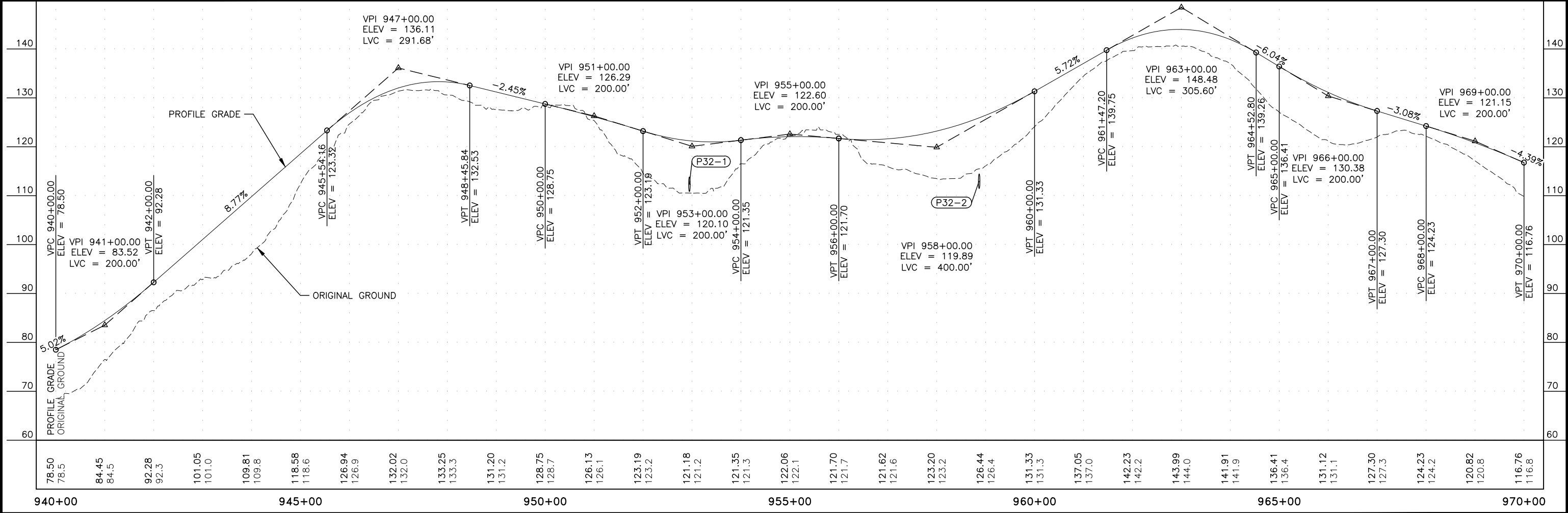
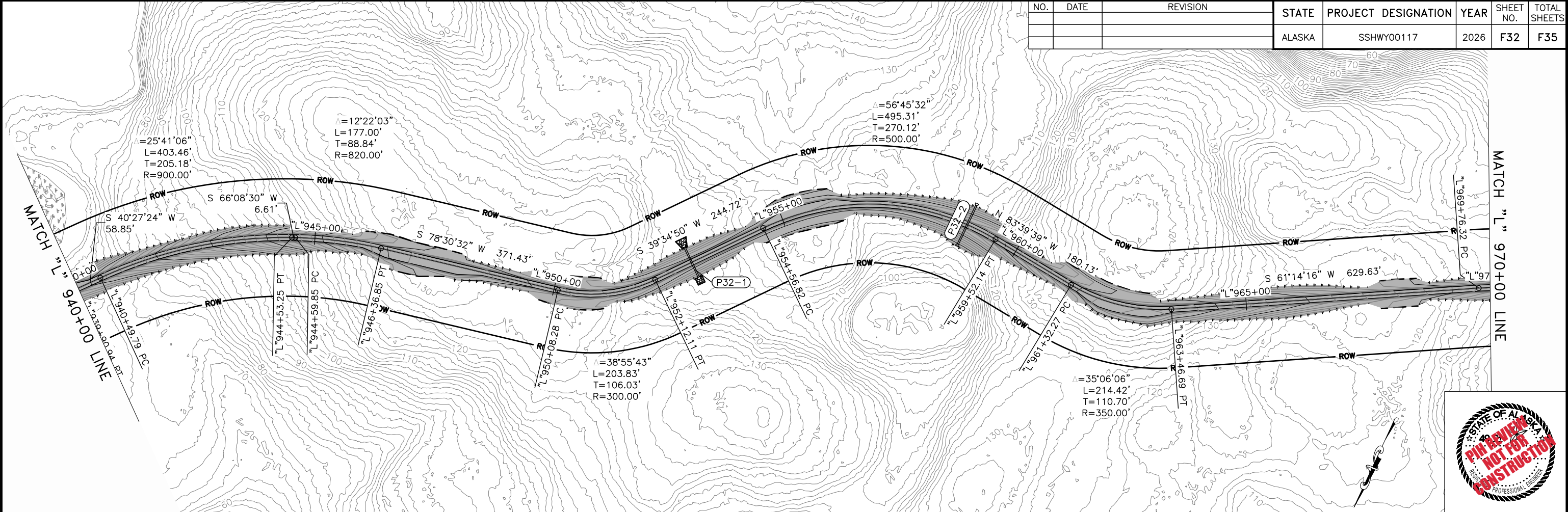
PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F31 Sun, Feb/22/26 01:37pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	F31	F35



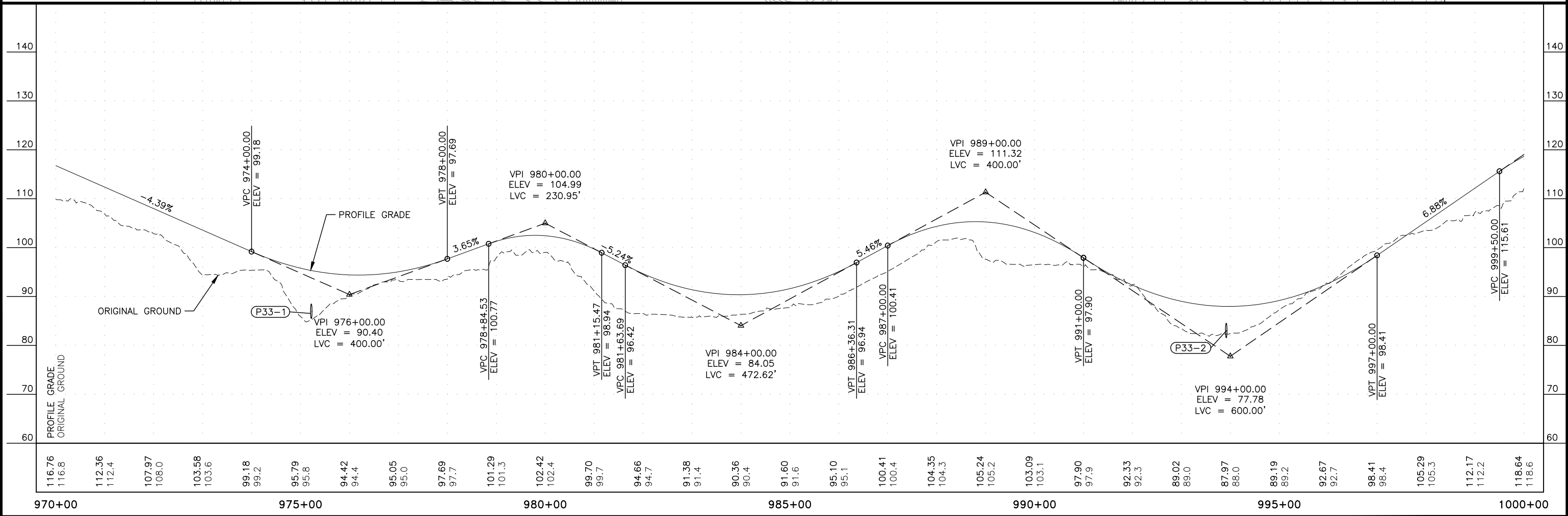
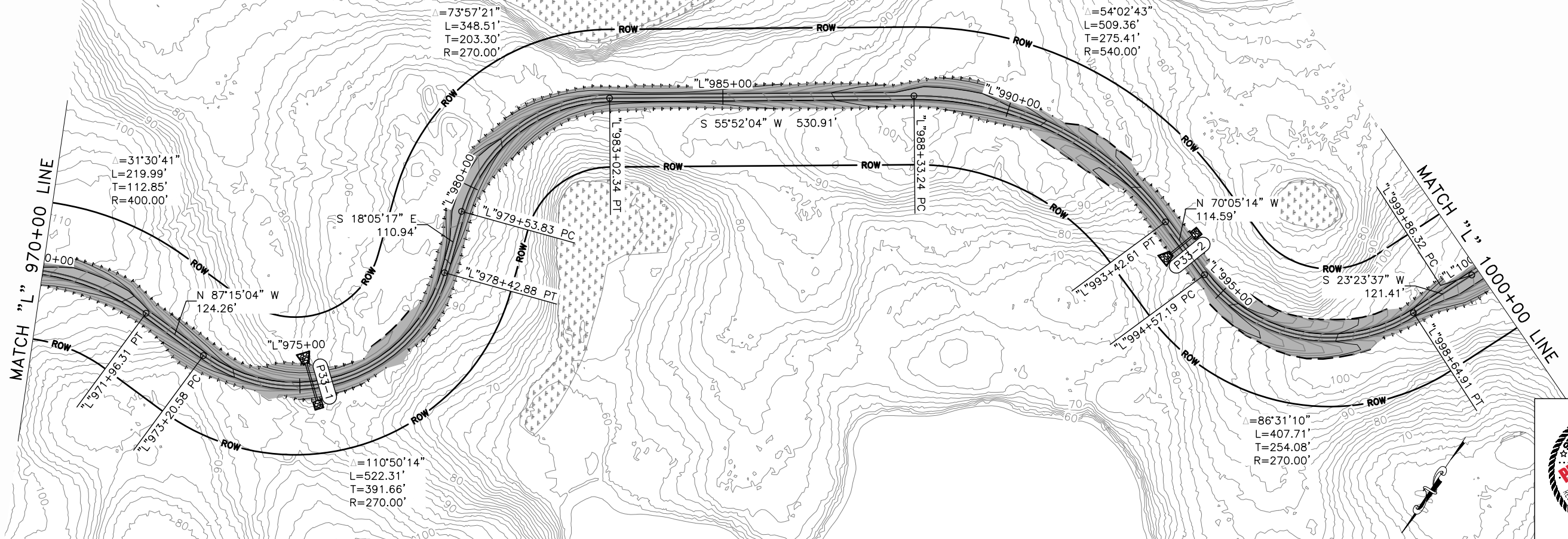
PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\04032372\00117-F-PnP-F32 Sun, Feb/22/26 01:36pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	F32	F35



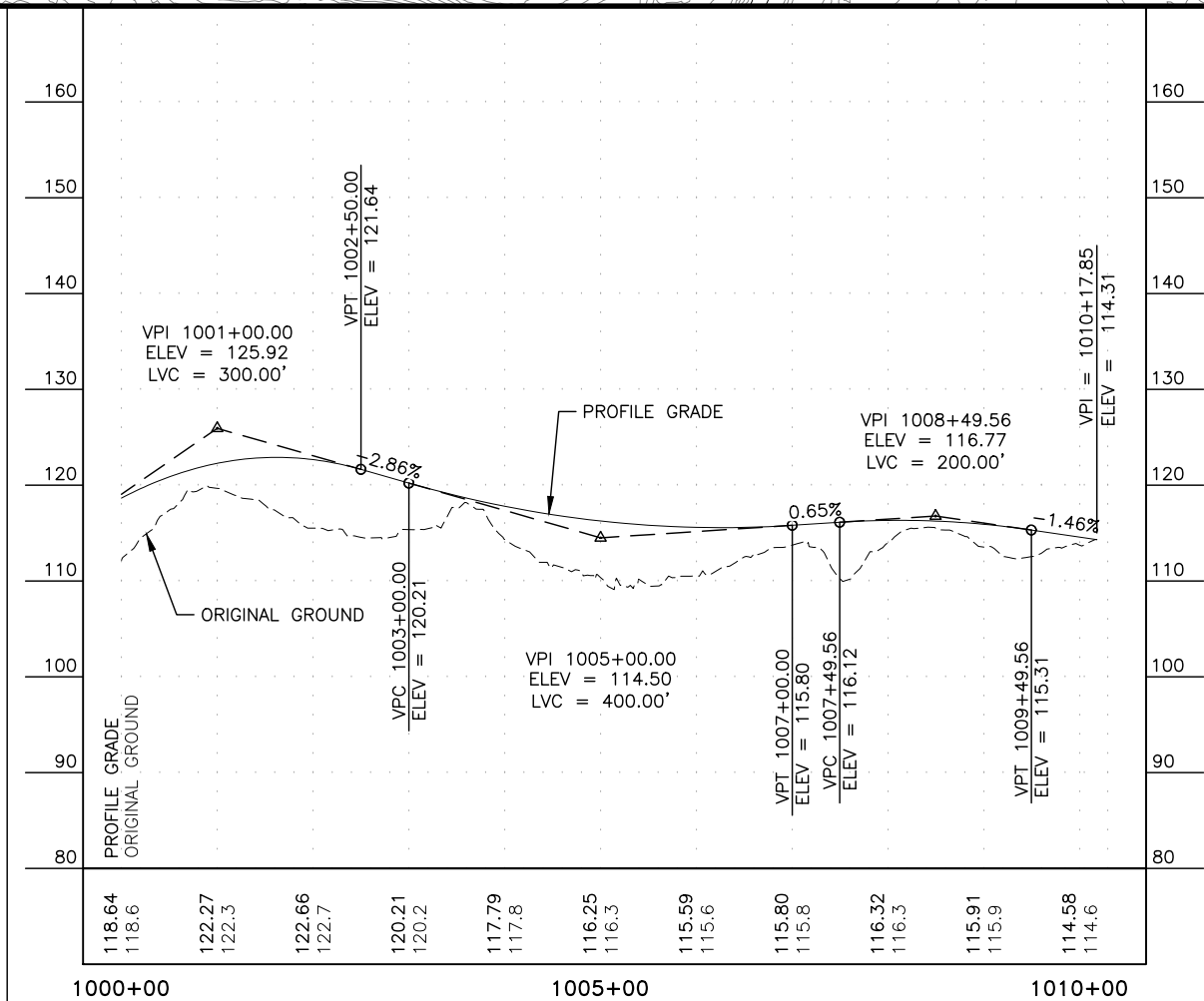
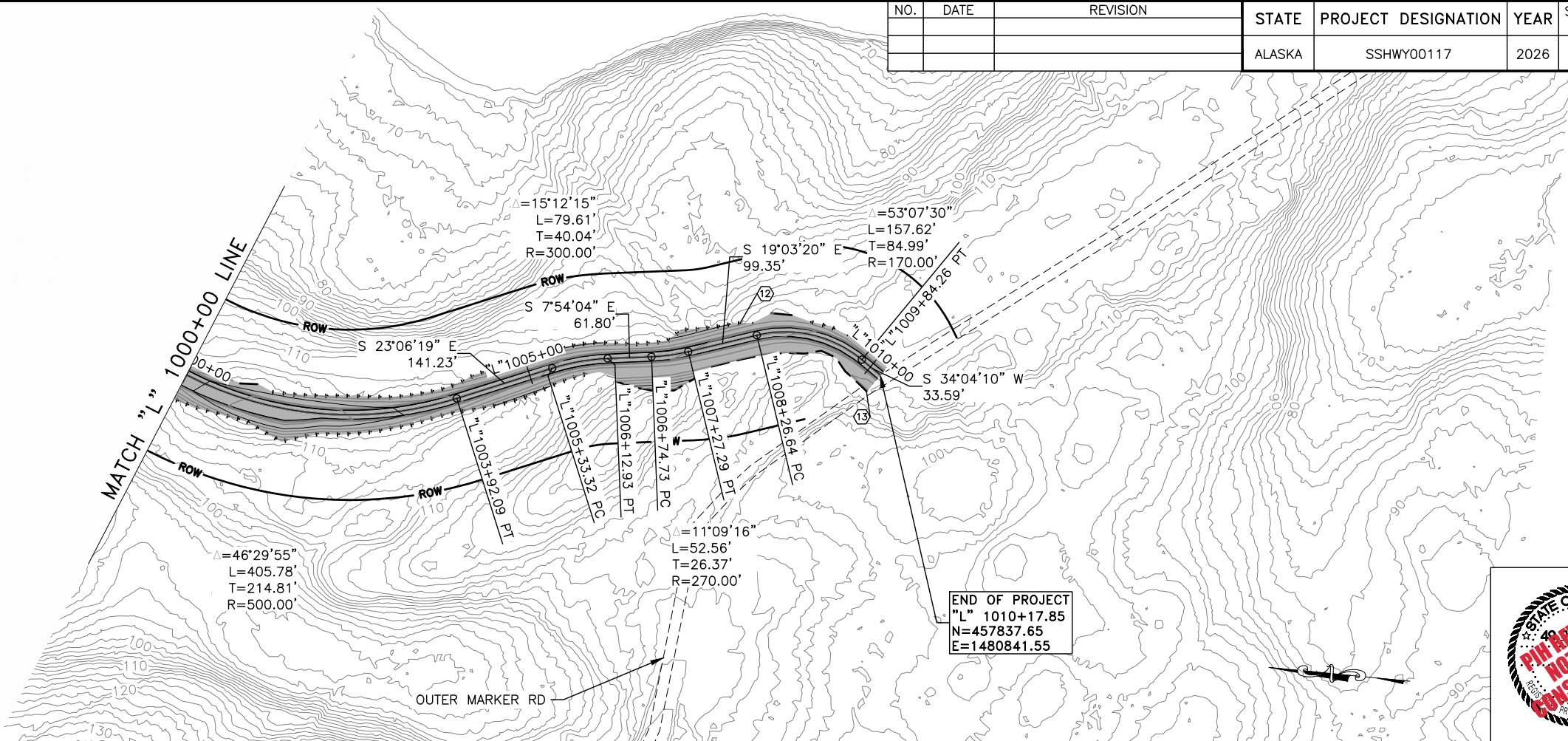
PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-F-PnP-F33 Sun, Feb/22/26 01:36pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWY00117	2026	F33	F35



PLANS DEVELOPED BY: DOWL 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_p\40432372\00117-F-PnP-F34 Sun, Feb/22/26 01:39pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	F34	F35



615.0001.0000 – STANDARD SIGN												
SHEET	SIGN NO.	STATION	CL OFFSET	CL REF	SIGN TYPE	LEGEND	SIZE (IN)		AREA (SF)	SIGN FACES	POST	REMARKS
							WIDTH	HEIGHT				
F1	1	"L" 11+00	10.00'	RT	R2-1		18	24	3.00	S	2.5"x2.5"PST	
F1	2	"L" 11+00	10.00'	LT	R2-1		18	24	3.00	N	2.5"x2.5"PST	
F1	3	"L" 19+90	21.00'	LT	R1-1		30	30	6.25	SE	2.5"x2.5"PST	
F5	4	"L" 144+50	10.00'	RT	R1-2		30	30	6.25	SW	2.5"x2.5"PST	
F5	5	"L" 145+30	9.00'	RT	OM-3R		12	36	3.00	SW	2.5"x2.5"PST	SEE NOTE 2
F5	6	"L" 145+30	9.00'	LT	OM-3L		12	36	3.00	SW	2.5"x2.5"PST	SEE NOTE 2
F5	7	"L" 146+70	9.00'	RT	OM-3R		12	36	3.00	NE	2.5"x2.5"PST	SEE NOTE 2

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	H1	H2

SIGNING NOTES:

1. AS DIRECTED BY THE ENGINEER, CLEAR AND TRIM BRANCHES FOR ADEQUATE VISIBILITY OF SIGNS. THIS WORK IS SUBSIDIARY TO PAY ITEM 615.0001.0000
2. MOUNTING HEIGHT FOR MARKER OBJECTS IS AT MINIMUM 4' FROM THE BOTTOM OF THE OBJECT MARKER TO THE ELEVATION OF THE EDGE OF TRAVELED WAY.

NOTE TO REVIEWER: PLEASE PROVIDE DIRECTION FOR THE FOLLOWING:

1. MUTCD ALLOWS TO OMIT A 'ONE LANE BRIDGE' WARNING SIGN ON LOW VOLUME RURAL ROADS. WOULD THE DEPARTMENT LIKE THIS SIGN TO BE ADDED TO THE PROJECT? FOLLOWING MUTCD RECOMMENDATIONS, ONLY YIELD AND OBJECT MARKER SIGNS ARE CURRENTLY INCLUDED AND SHOWN ON THE PLANS AT BRIDGE LOCATION.
2. ALTHOUGH MUTCD DOES NOT REQUIRE PROVIDING WARNING SIGNS FOR CHANGES IN HORIZONTAL ALIGNMENT FOR LOW VOLUME ROADS, WOULD THE DEPARTMENT LIKE WARNING CURVES ADDED TO THE PROJECT?
2. SNOW MARKERS ARE NOT REQUIRED AND CURRENTLY NOT SHOWN ON THE PLANS, THEY MAY BE BENEFICIAL DURING SNOW REMOVAL OPERATIONS. WOULD THE THE DEPARTMENT LIKE THESE ADDED?

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

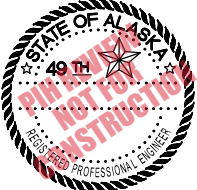
KING COVE TO COLD BAY ROAD

SIGN SUMMARY

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	H2	H2

615.0001.0000 – STANDARD SIGN												
SHEET	SIGN NO.	STATION	CL OFFSET	CL REF	SIGN TYPE	LEGEND	SIZE (IN)		AREA (SF)	SIGN FACES	POST	REMARKS
							WIDTH	HEIGHT				
F5	8	"L" 146+70	9.00'	LT	OM-3L		12	36	3.00	NE	2.5"x2.5"PST	SEE NOTE 2
F5	9	"L" 147+50	10.00'	LT	R1-2		30	30	6.25	NE	2.5"x2.5"PST	
F17	10	"L" 501+00	10.00'	RT	R2-1		18	24	3.00	NW	2.5"x2.5"PST	
F17	11	"L" 501+00	10.00'	LT	R2-1		18	24	3.00	SE	2.5"x2.5"PST	
F34	12	"L" 1008+00	10.00'	LT	R2-1		18	24	3.00	S	2.5"x2.5"PST	
F34	13	"L" 1010+00	10.00'	RT	R1-1		30	30	6.25	NE	2.5"x2.5"PST	
TOTAL:									52.00	SF		
PAY ITEM QUANTITY:									52	SF		

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848

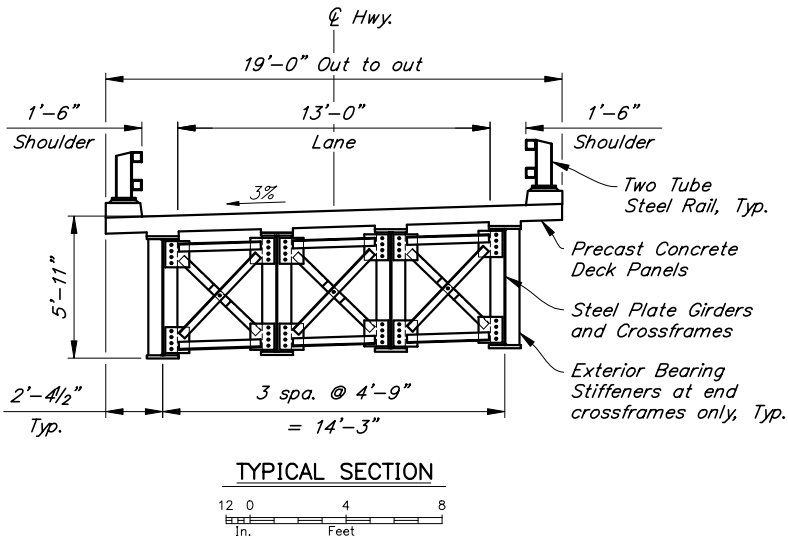
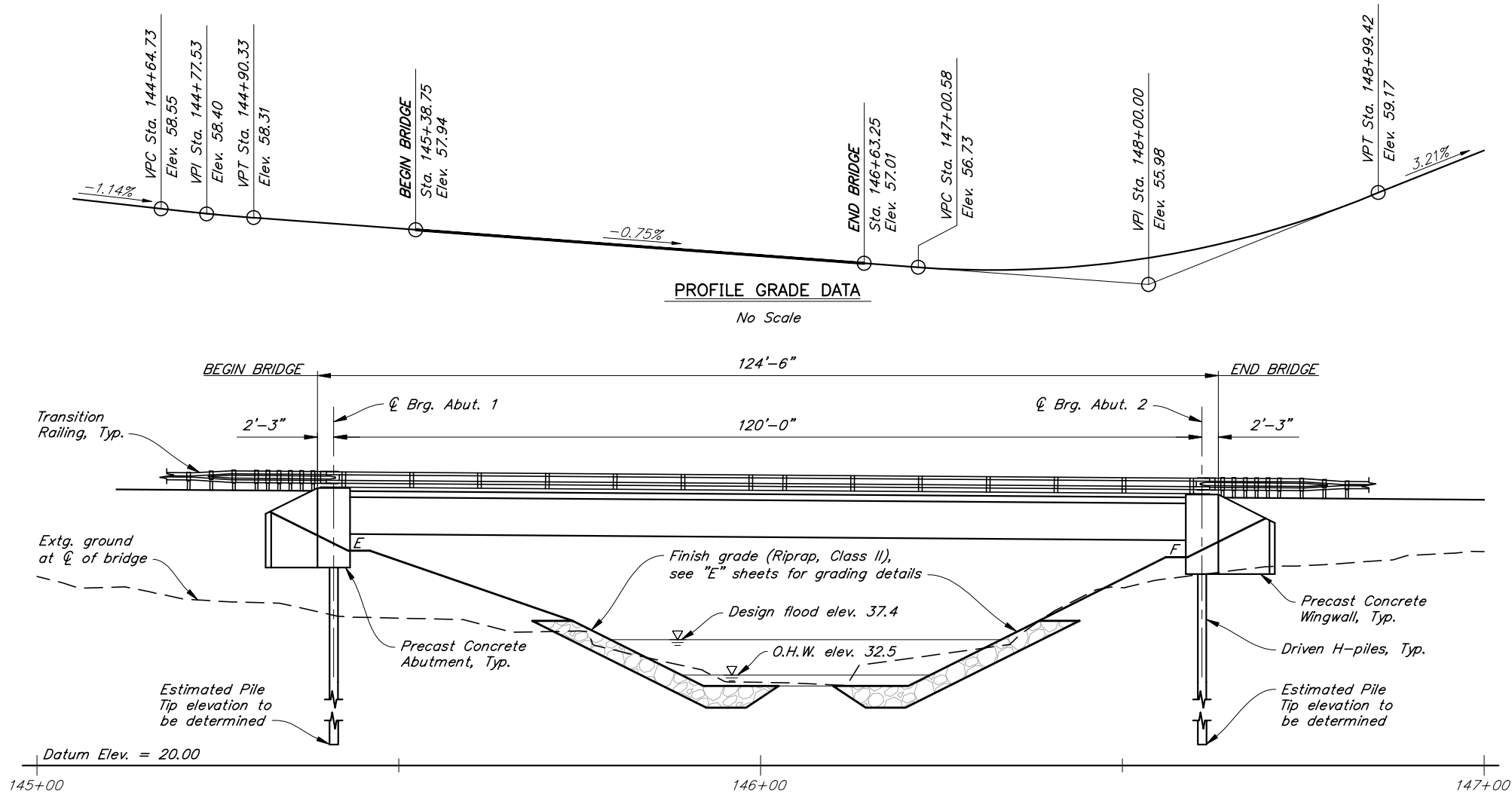


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

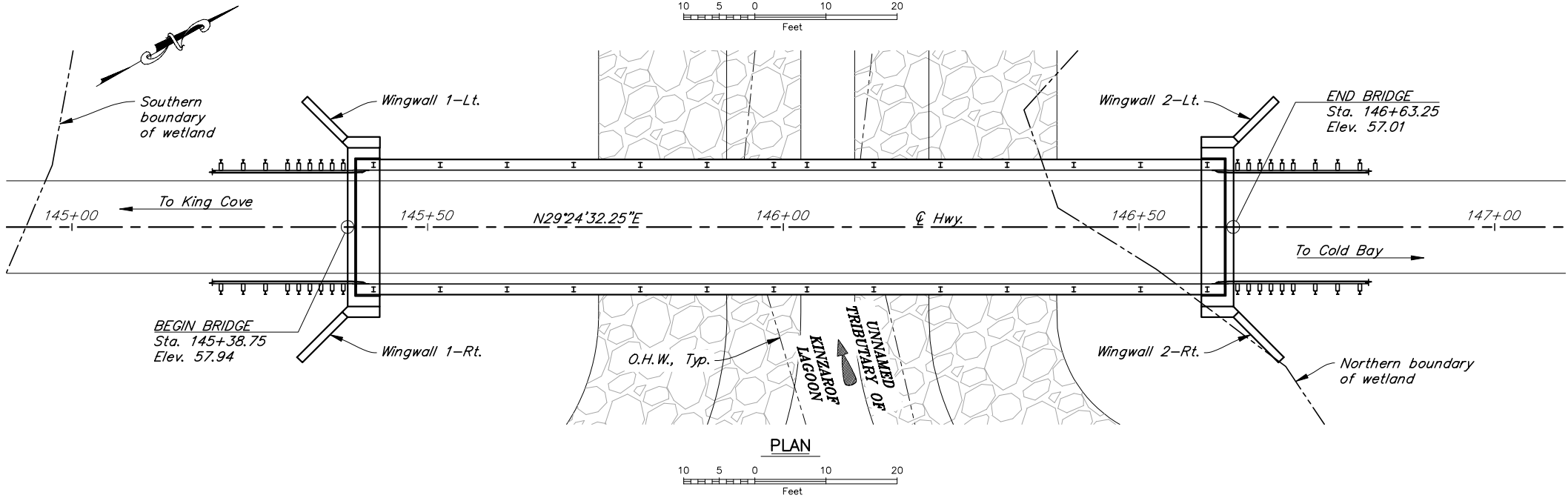
KING COVE TO COLD BAY ROAD

SIGN SUMMARY

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SSHXY00117	2026	N1	N13



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
SITE PLAN	2
PRECAST ABUTMENT	3
PRECAST ABUTMENT DETAILS	4
PRECAST WINGWALLS	5
FRAMING	6
GIRDERS	7
FIELD SPLICE	8
CAMBER	9
PRECAST INT. DECK PANELS	10
PRECAST EXT. DECK PANELS	11
BRIDGE RAIL	12
EXCAVATION AND BACKFILL DETAILS	13



DESIGNED BY: Fred Gomez	CHECKED: Bernard Frankl	FOUNDATIONS REVIEWED BY: Engineer
DRAWN BY: Lucas Gomes	CHECKED: Bernard Frankl	
QUANTITIES BY: Fred Gomez	CHECKED: Bernard Frankl	

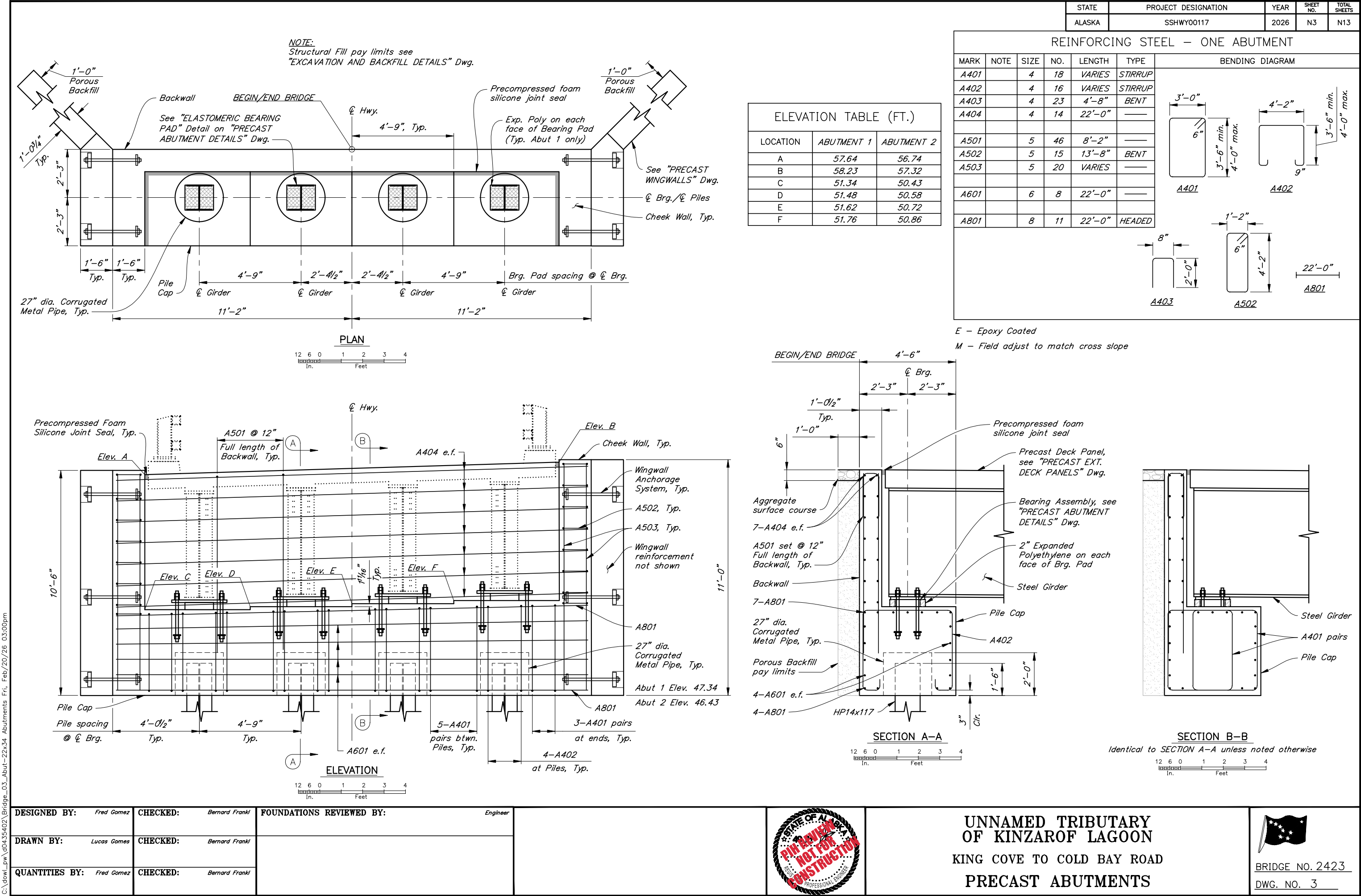


UNNAMED TRIBUTARY
OF KINZAROF LAGOON
KING COVE TO COLD BAY ROAD
GENERAL LAYOUT



BRIDGE NO. 2423
DWG. NO. 1

C:\dowL_pw\30435402\Bridge_03_Abut-22x34_Abutments Fri, Feb/20/26 03:00pm



NOTE:
Structural Fill pay limits see
"EXCAVATION AND BACKFILL DETAILS" Dwg.

1'-0" Porous Backfill

Backwall

BEGIN/END BRIDGE

See "ELASTOMERIC BEARING PAD" Detail on "PRECAST ABUTMENT DETAILS" Dwg.

4'-9", Typ.

Precompressed foam silicone joint seal

Exp. Poly on each face of Bearing Pad (Typ. Abut 1 only)

1'-0" Porous Backfill

See "PRECAST WINGWALLS" Dwg.

27" dia. Corrugated Metal Pipe, Typ.

1'-0 1/4" Typ.

2'-3"

2'-3"

1'-6" Typ.

1'-6" Typ.

Pile Cap

4'-9"

2'-4 1/2"

2'-4 1/2"

4'-9"

Brg. Pad spacing @ 4 Brg.

11'-2"

11'-2"

4 Brg./4 Piles

Cheek Wall, Typ.

PLAN

12 6 0 1 2 3 4

In.

Feet

Precompressed Foam Silicone Joint Seal, Typ.

Elev. A

A501 @ 12" Full length of Backwall, Typ.

4'-0 1/2"

4'-9"

11'-0"

Elev. B

Cheek Wall, Typ.

Wingwall Anchorage System, Typ.

A502, Typ.

A503, Typ.

Wingwall reinforcement not shown

A801

27" dia. Corrugated Metal Pipe, Typ.

Abut 1 Elev. 47.34

Abut 2 Elev. 46.43

5-A401 pairs btwn. Piles, Typ.

3-A401 pairs at ends, Typ.

4-A402 at Piles, Typ.

A601 e.f.

11/16" Typ.

Elev. C

Elev. D

Elev. E

Elev. F

10'-6"

11'-0"

ELEVATION

12 6 0 1 2 3 4

In.

Feet

BEGIN/END BRIDGE

4'-6"

2'-3"

2'-3"

1'-0 1/2" Typ.

1'-0" Typ.

6"

Precompressed foam silicone joint seal

Aggregate surface course

7-A404 e.f.

A501 set @ 12" Full length of Backwall, Typ.

Backwall

7-A801

27" dia. Corrugated Metal Pipe, Typ.

Porous Backfill pay limits

4-A601 e.f.

4-A801

HP14x117

3"

1'-6"

2'-0"

Pile Cap

A402

Steel Girder

Precompressed foam silicone joint seal

Precast Deck Panel, see "PRECAST EXT. DECK PANELS" Dwg.

Bearing Assembly, see "PRECAST ABUTMENT DETAILS" Dwg.

2" Expanded Polyethylene on each face of Brg. Pad

Steel Girder

A401 pairs

Pile Cap

SECTION A-A

12 6 0 1 2 3 4

In.

Feet

SECTION B-B

Identical to SECTION A-A unless noted otherwise

12 6 0 1 2 3 4

In.

Feet

DESIGNED BY: Fred Gomez

CHECKED: Bernard Frankl

FOUNDATIONS REVIEWED BY: Engineer

DRAWN BY: Lucas Gomes

CHECKED: Bernard Frankl

QUANTITIES BY: Fred Gomez

CHECKED: Bernard Frankl

STATE OF ALASKA

PH REVIEW

NOT FOR CONSTRUCTION

PROFESSIONAL ENGINEER

UNNAMED TRIBUTARY OF KINZAROF LAGOON

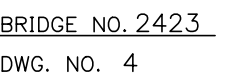
KING COVE TO COLD BAY ROAD

PRECAST ABUTMENTS

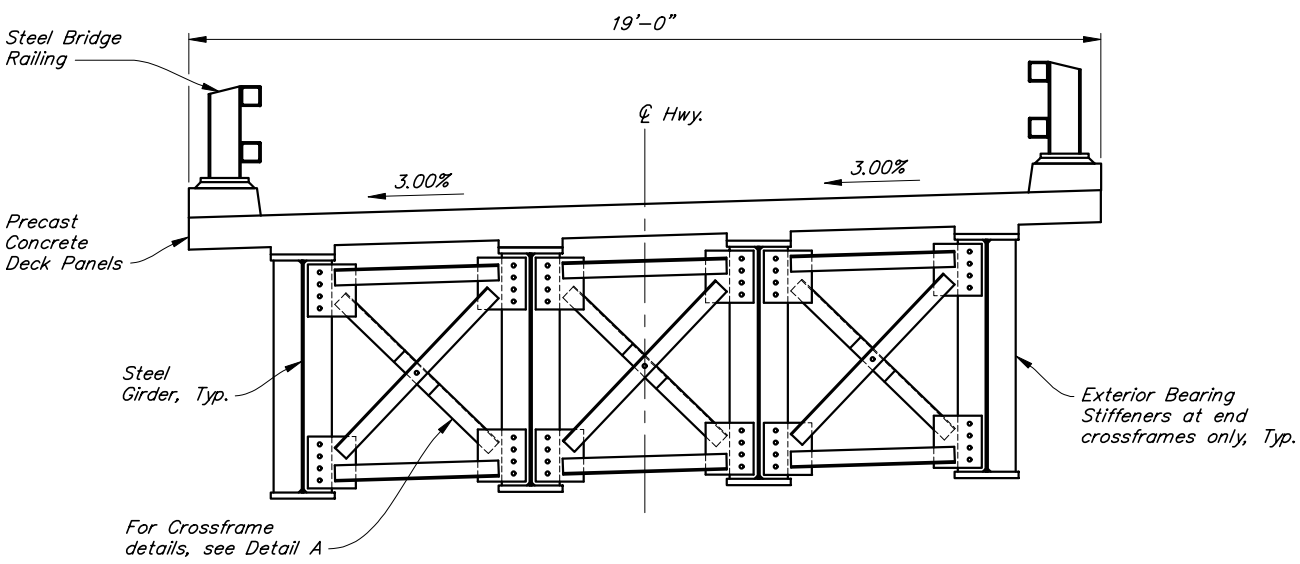
BRIDGE NO. 2423

DWG. NO. 3

1. *Provide structural steel plates according to ASTM Specification A36.*
2. *Provide threaded rods according to ASTM A449 or F1554 Grade 105.*
3. *Hot-dip galvanize structural steel plates, threaded rods, and associated hardware after fabrication. The structural steel plates embedded into precast pile caps do not need to be galvanized.*

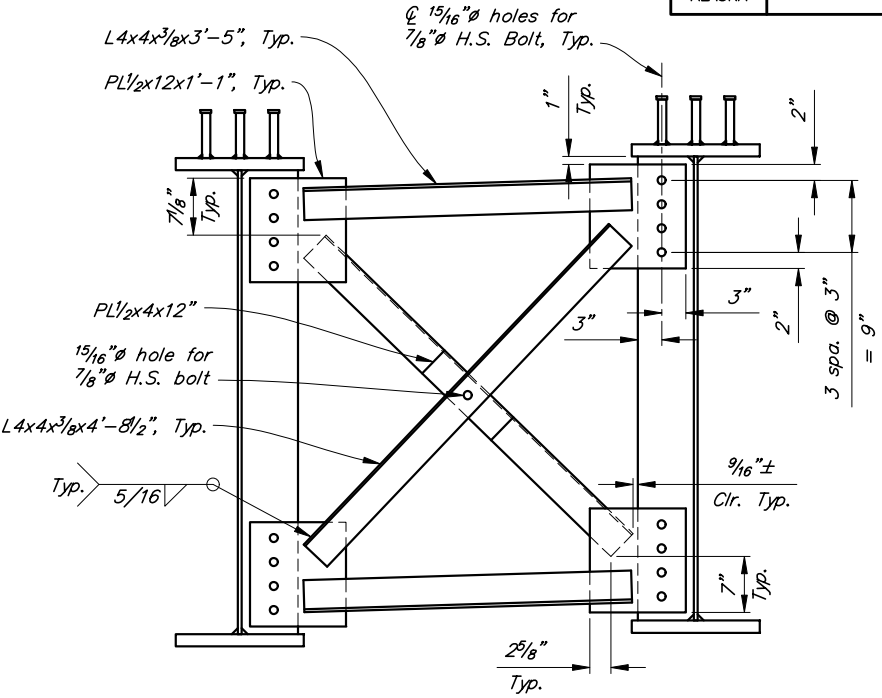


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SSHXY00117	2026	N6	N13



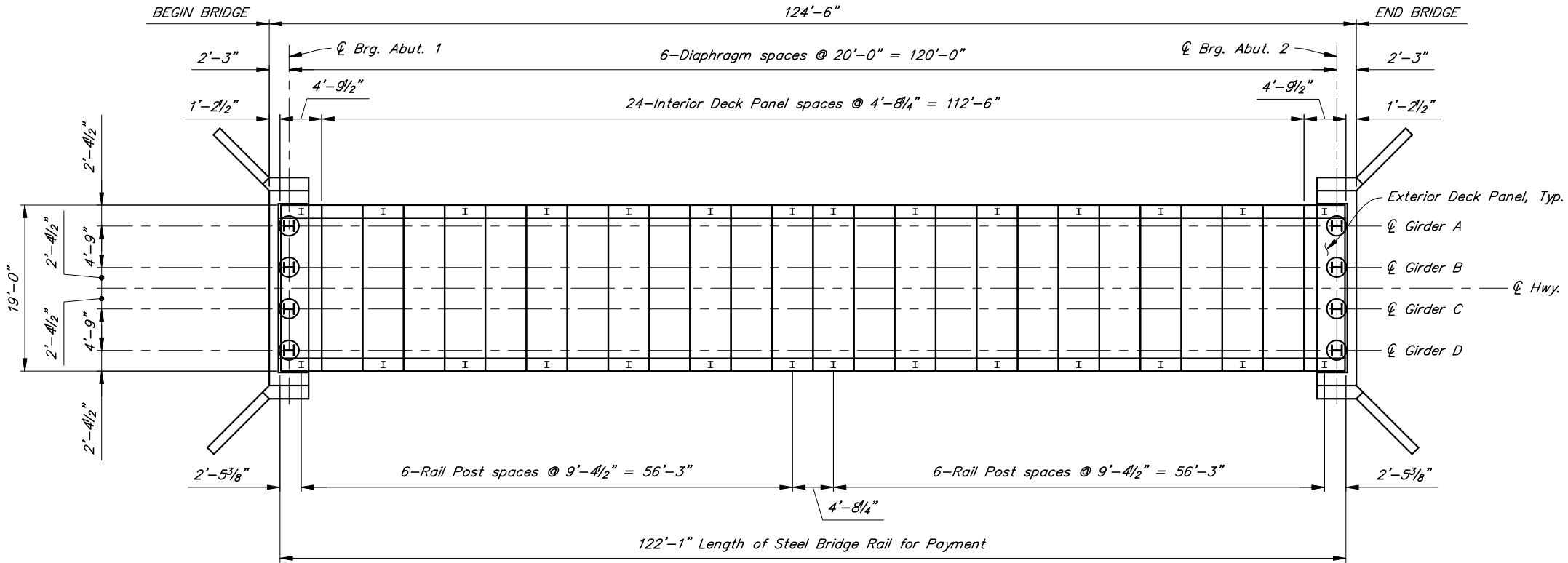
TYPICAL SECTION

12 6 0 1 2 3 4
In. Feet



DETAIL A

12 6 0 1 2
In. Feet



FRAMING PLAN

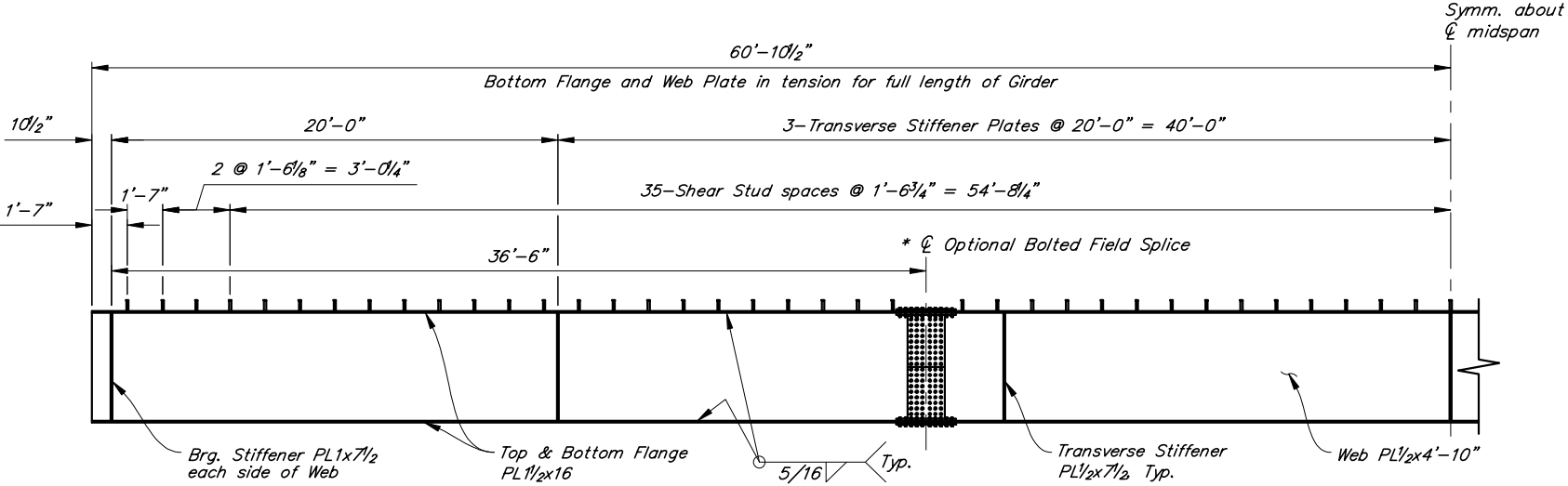
120 4 8 12
In. Feet

DESIGNED BY: Fred Gomez	CHECKED: Bernard Frankl	FOUNDATIONS REVIEWED BY: Engineer
DRAWN BY: Lucas Gomes	CHECKED: Bernard Frankl	
QUANTITIES BY: Fred Gomez	CHECKED: Bernard Frankl	



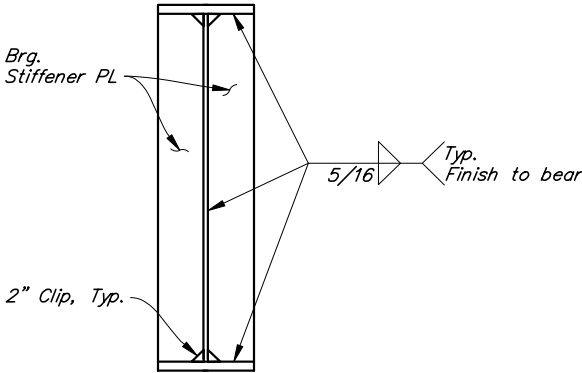
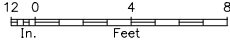
UNNAMED TRIBUTARY
OF KINZAROF LAGOON
KING COVE TO COLD BAY ROAD
TYPICAL SECTION & FRAMING PLAN

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SSHXY00117	2026	N7	N13



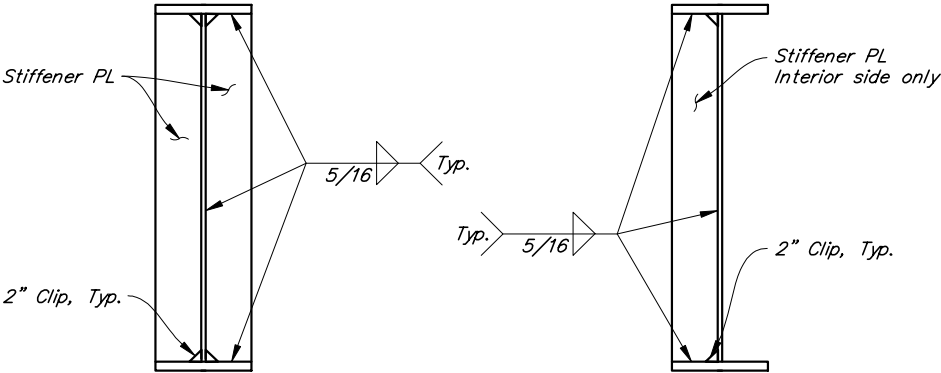
GIRDER ELEVATION

* Two Optional Splices Allowed Per Girder



SECTION - BEARING STIFFENER

No Scale

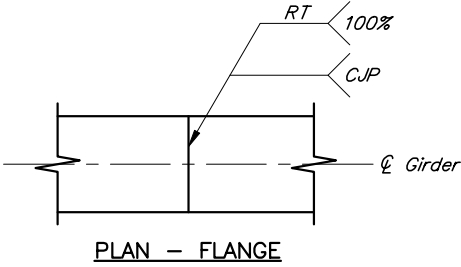


INTERIOR GIRDER

EXTERIOR GIRDER

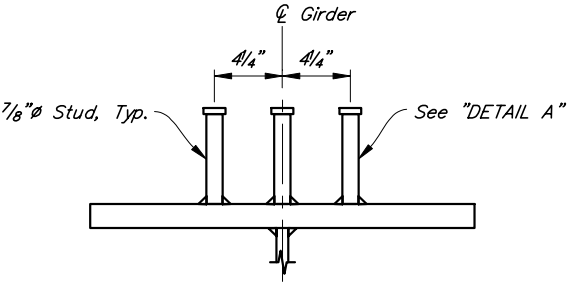
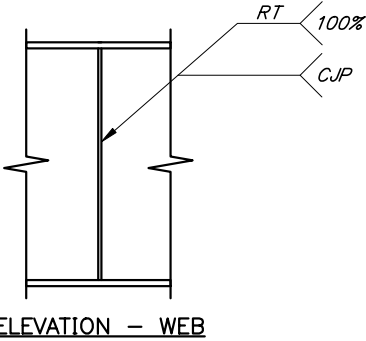
SECTIONS - TRANSVERSE STIFFENER

No Scale

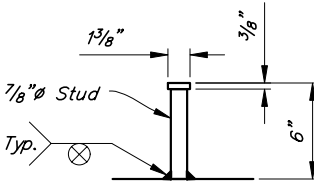


GIRDER WELD DETAILS

No Scale



No Scale



No Scale

DESIGNED BY: Fred Gomez	CHECKED: Bernard Frankl	FOUNDATIONS REVIEWED BY: Engineer
DRAWN BY: Lucas Gomes	CHECKED: Bernard Frankl	
QUANTITIES BY: Fred Gomez	CHECKED: Bernard Frankl	



UNNAMED TRIBUTARY
OF KINZAROF LAGOON
KING COVE TO COLD BAY ROAD
GIRDERS

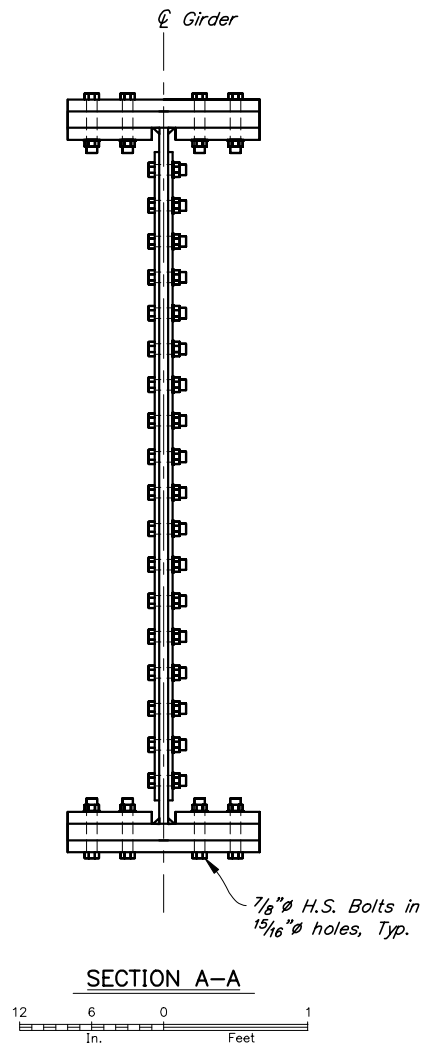
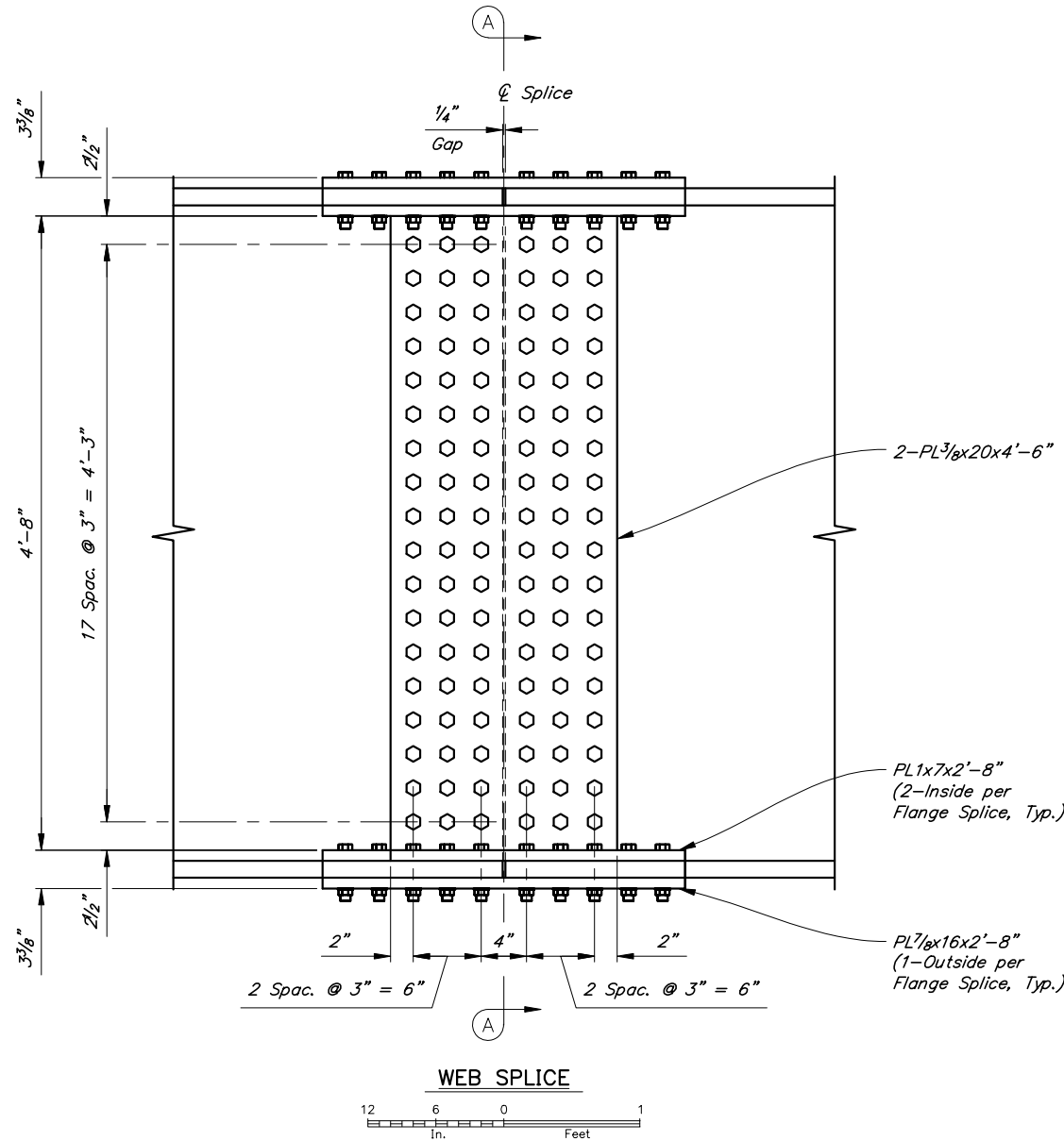
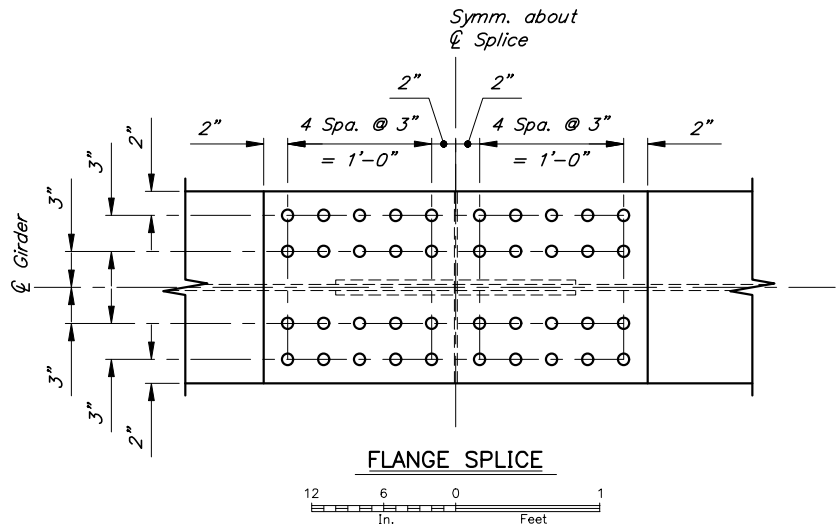


BRIDGE NO. 2423
DWG. NO. 7

C:\dowLpw\0435402\Bridge_07_Girders-LAYOUT1 Fri, Feb/20/26 03:06pm

C:\dowL_pw\0435402\Bridge_08_Field_Splice-Layout1 Fri, Feb/20/26 03:14pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SSHXY00117	2026	N7	N13



DESIGNED BY:	Fred Gomez	CHECKED:	Bernard Frankl	FOUNDATIONS REVIEWED BY:	Engineer
DRAWN BY:	Lucas Gomez	CHECKED:	Bernard Frankl		
QUANTITIES BY:	Fred Gomez	CHECKED:	Bernard Frankl		



UNNAMED TRIBUTARY
OF KINZAROF LAGOON
KING COVE TO COLD BAY ROAD
GIRDERS

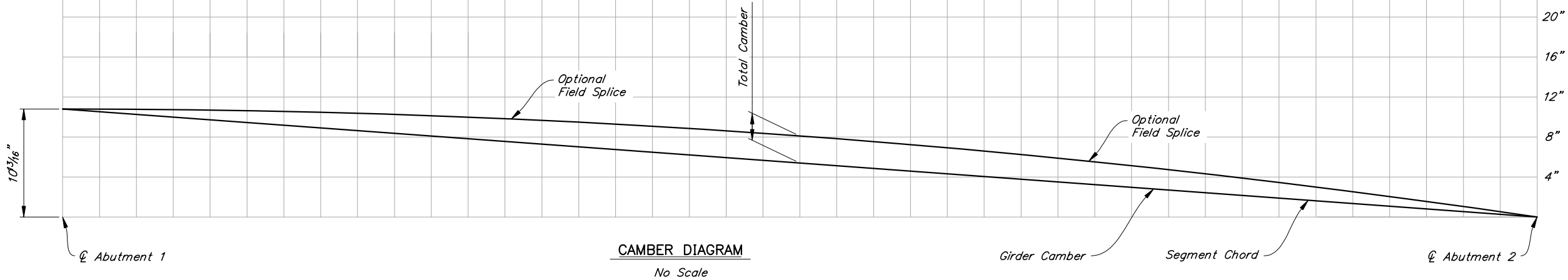


BRIDGE NO. 2423
DWG. NO. 7

C:\dowLpw\040435402\Bridge_09_Girder_Camber-Layout1 Fri, Feb/20/26 03:17pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SSHWHY00117	2026	N9	N13

Distance from CL Abut. 1 (ft)		0.00		3.00		6.00		9.00		12.00		15.00		18.00		21.00		24.00		27.00		30.00		33.00		36.00		39.00		42.00		45.00		48.00		51.00		54.00		57.00		60.00		63.00		66.00		69.00		72.00		75.00		78.00		81.00		84.00		87.00		90.00		93.00		96.00		99.00		102.00		105.00		108.00		111.00		114.00		117.00		120.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Steel Dead Load Deflection (in)		0.00		0.07		0.14		0.21		0.28		0.35		0.41		0.47		0.53		0.58		0.63		0.68		0.72		0.76		0.80		0.82		0.85		0.87		0.88		0.89		0.89		0.89		0.88		0.87		0.85		0.82		0.80		0.76		0.72		0.68		0.63		0.58		0.53		0.47		0.41		0.35		0.28		0.21		0.14		0.07		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	



CAMBER NOTES

- 1. Segment Chord line is a straight line through the top of the web connecting the $\varnothing$ of bearing @ Abutment 1 to $\varnothing$ of bearing @ Abutment 2.
- 2. Maximum additional camber may vary up to $\frac{1}{2}$ " at midspan. Additional camber shall vary parabolically.

DESIGNED BY:	Fred Gomez	CHECKED:	Bernard Frankl	FOUNDATIONS REVIEWED BY:	Engineer
DRAWN BY:	Lucas Gomes	CHECKED:	Bernard Frankl		
QUANTITIES BY:	Fred Gomez	CHECKED:	Bernard Frankl		



UNNAMED TRIBUTARY
OF KINZAROF LAGOON
KING COVE TO COLD BAY ROAD
CAMBER DETAILS



BRIDGE NO. 2423
DWG. NO. 9

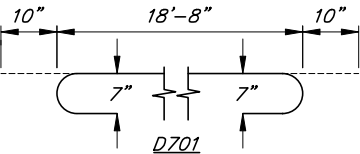
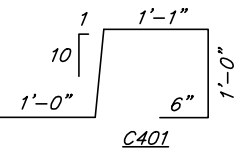
C:\dowd_lp\30435402\Bridge_10_Int_Deck_Panels-Layout1 Fri, Feb/20/26 03:19pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SSHWY00117	2026	N10	N13

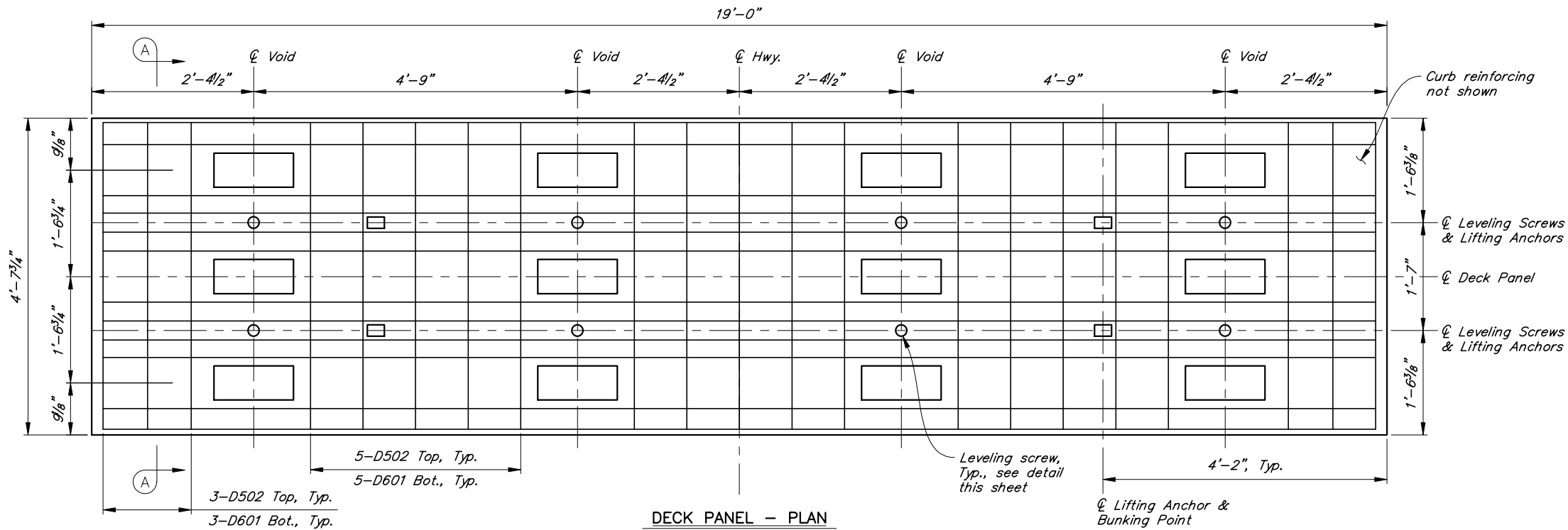
REINFORCING STEEL – ONE INTERIOR PANEL

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
C401	E	4	8	4'-7"	Bent
C601	E, S	5	6	123'-0"	
D501	E	5	12	18'-8"	
D502	E	5	21	4'-0"	
D601	E	6	21	4'-0"	
D701	E	7	12	20'-4"	Bent

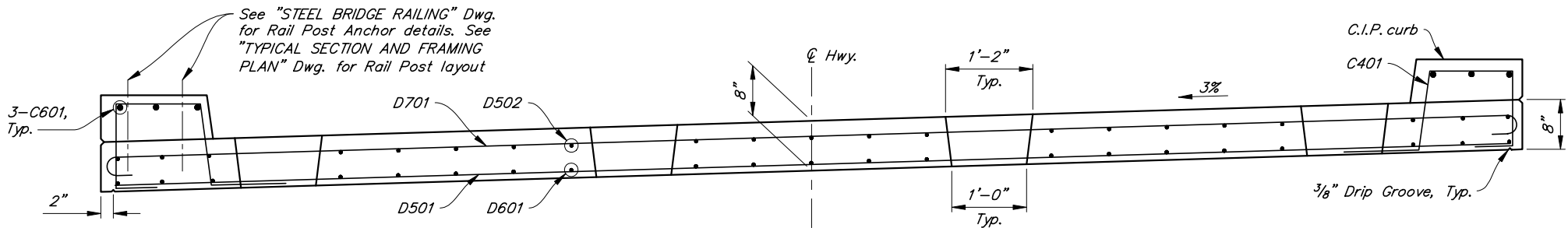
BENDING DIAGRAM



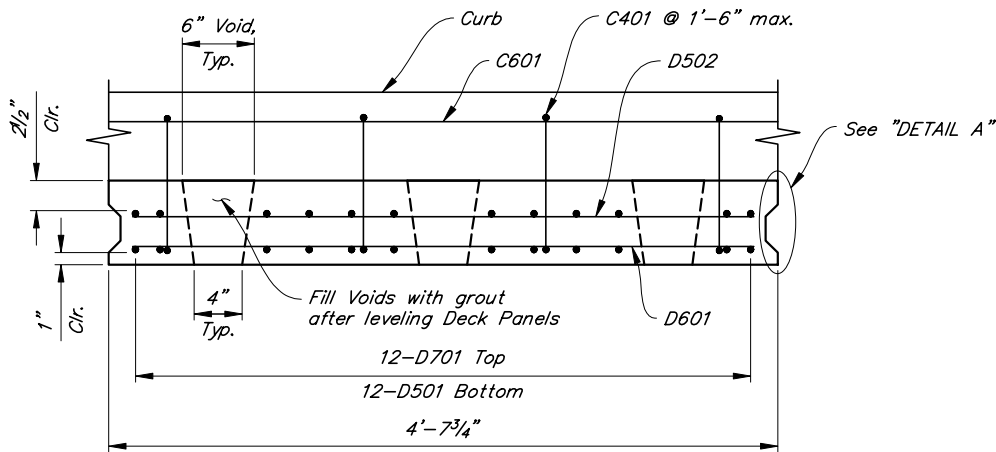
E – Epoxy Coated
S – Total for bridge, does not include splices



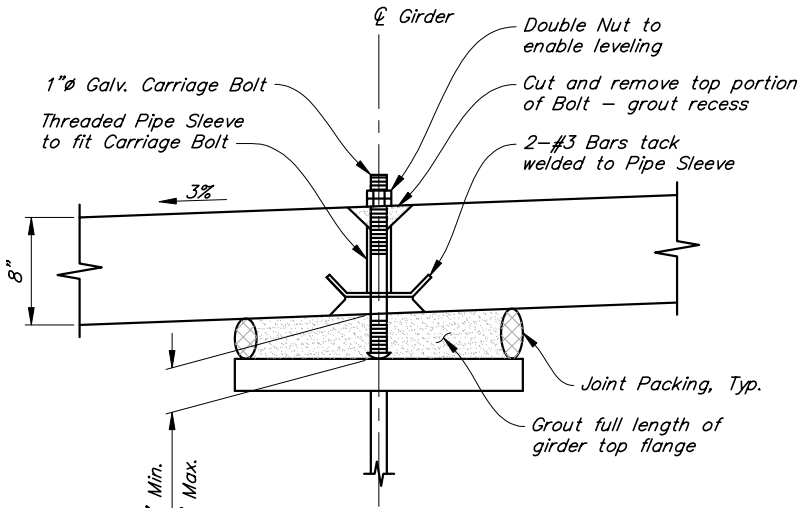
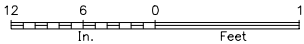
DECK PANEL – PLAN



DECK PANEL – SECTION

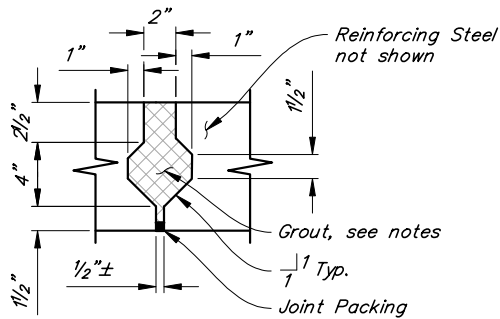


SECTION A-A



LEVELING SCREW DETAIL

No Scale



DETAIL A

No Scale

NOTES:

1. Clean keyways free of dirt and oil prior to installing grout.
2. Match grout color to deck panels.
3. Place grout according to manufacturer's written recommendations.
4. Texture top surface with a heavy broom finish perpendicular to the direction of traffic.
5. After deck panels are secured to the girders and grout has cured, remove lifting anchors and leveling screw to a depth of 2" below deck surface. Fill remaining void with grout up to deck surface.



UNNAMED TRIBUTARY
OF KINZAROF LAGOON
KING COVE TO COLD BAY ROAD
PRECAST INTERIOR DECK PANELS



BRIDGE NO. 2423
DWG. NO. 10

DESIGNED BY:	Fred Gomez	CHECKED:	Bernard Frankl	FOUNDATIONS REVIEWED BY:	Engineer
DRAWN BY:	Lucas Gomes	CHECKED:	Bernard Frankl		
QUANTITIES BY:	Fred Gomez	CHECKED:	Bernard Frankl		

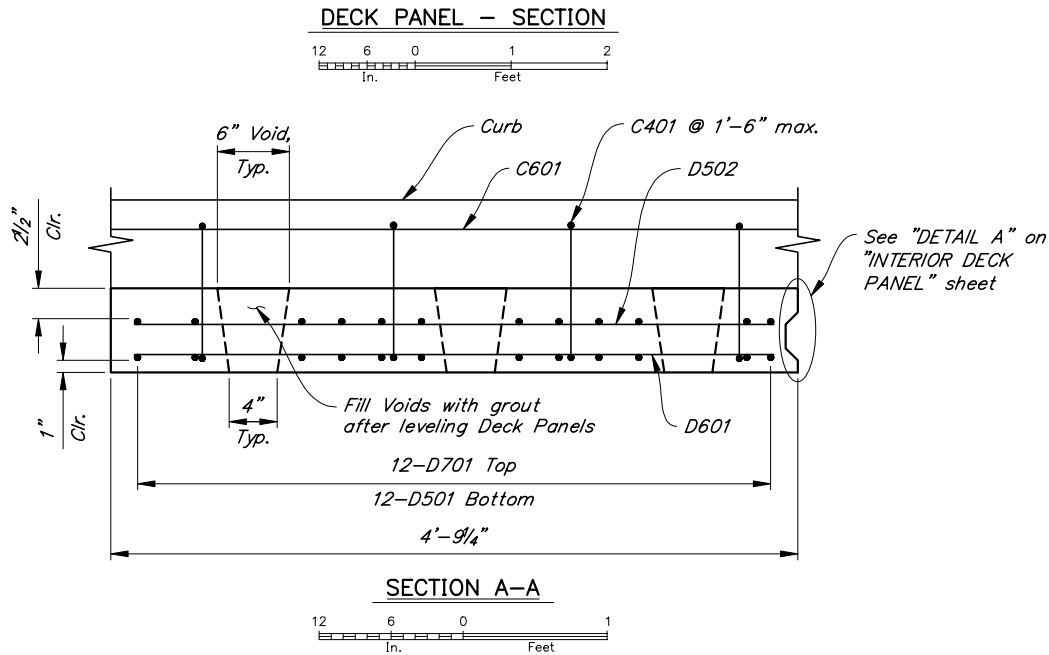
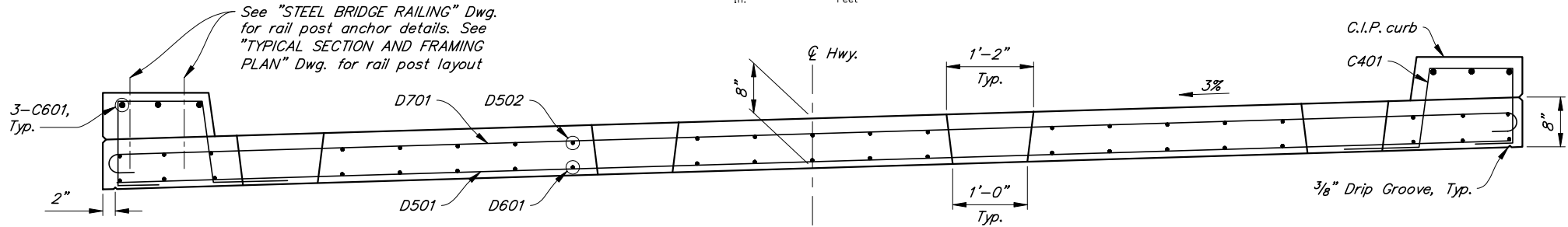
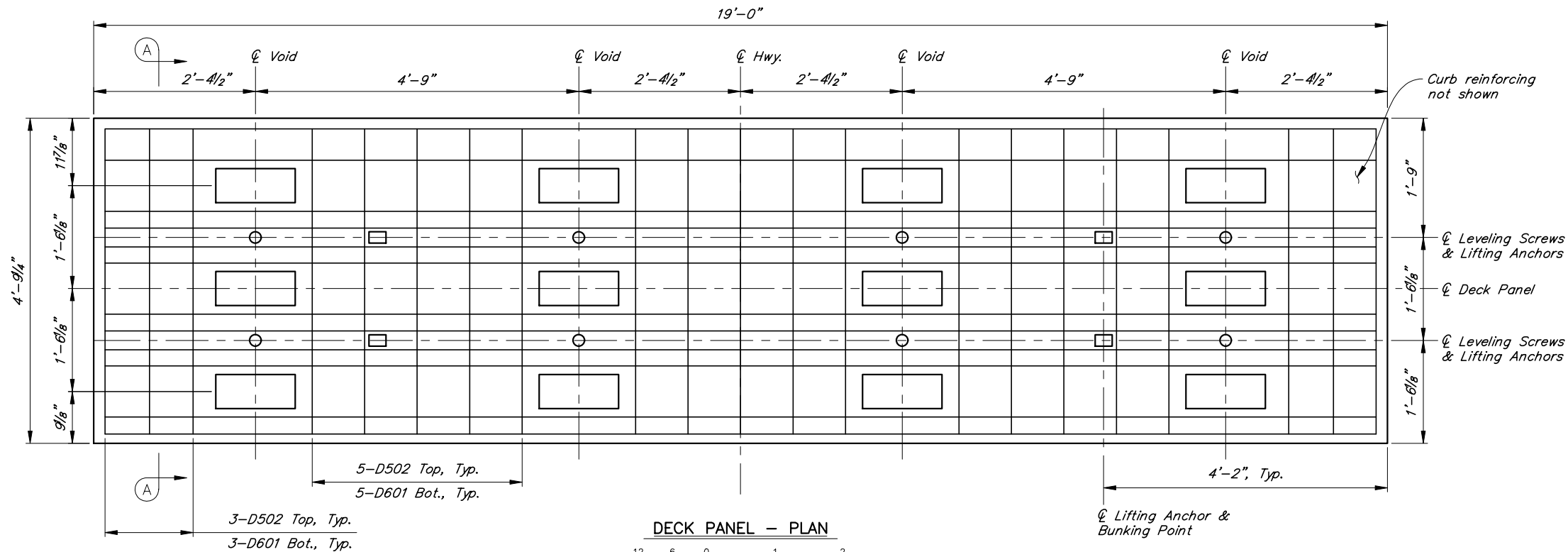
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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SSHWY00117	2026	N11	N13

REINFORCING STEEL – ONE INTERIOR PANEL

MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
C401	E	4	8	4'-7"	Bent	
C601	E, S	5	6	123'-0"	---	
D501	E	5	12	18'-8"	---	
D502	E	5	21	4'-5"	---	
D601	E	6	21	4'-5"	---	
D701	E	7	12	20'-4"	Bent	

E – Epoxy Coated
S – Total for bridge, does not include splices



- NOTES:
1. Clean keyways free of dirt and oil prior to installing grout.
 2. Match grout color to deck panels.
 3. Place grout according to manufacturer's written recommendations.
 4. Texture top surface with a heavy broom finish perpendicular to the direction of traffic.
 5. Contractor to design shear connectors to be compatible with blockouts.

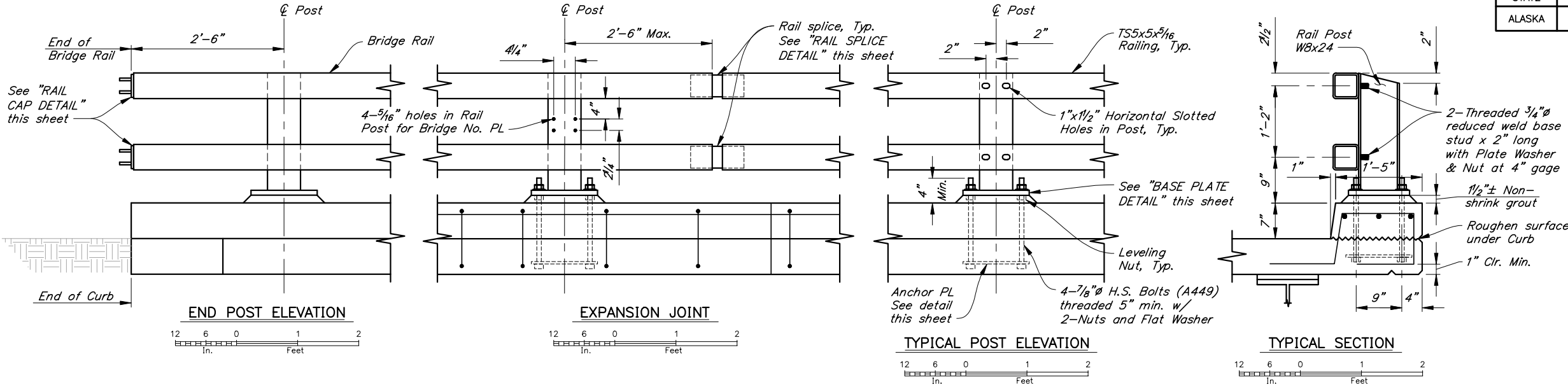
DESIGNED BY:	Fred Gomez	CHECKED:	Bernard Frankl	FOUNDATIONS REVIEWED BY:	Engineer
DRAWN BY:	Lucas Gomes	CHECKED:	Bernard Frankl		
QUANTITIES BY:	Fred Gomez	CHECKED:	Bernard Frankl		



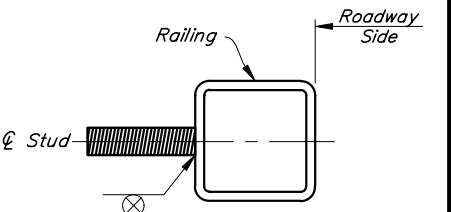
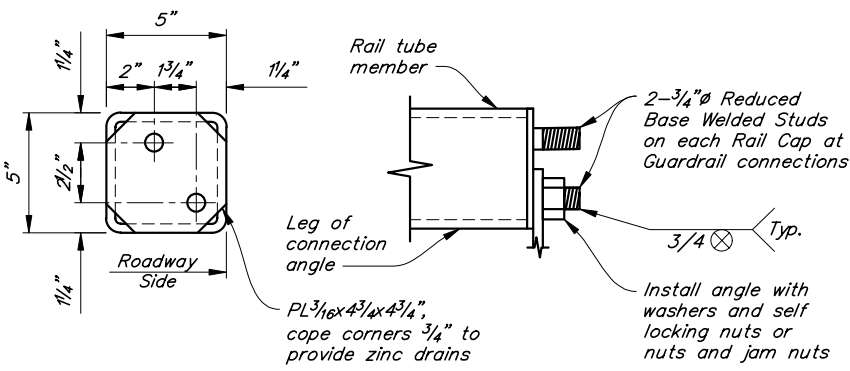
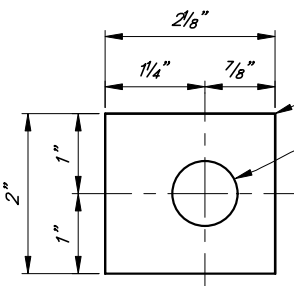
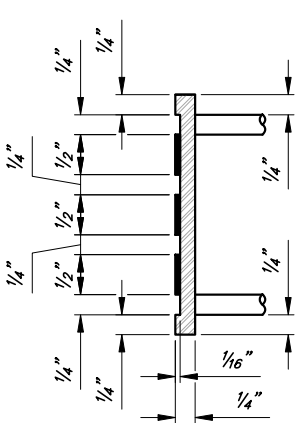
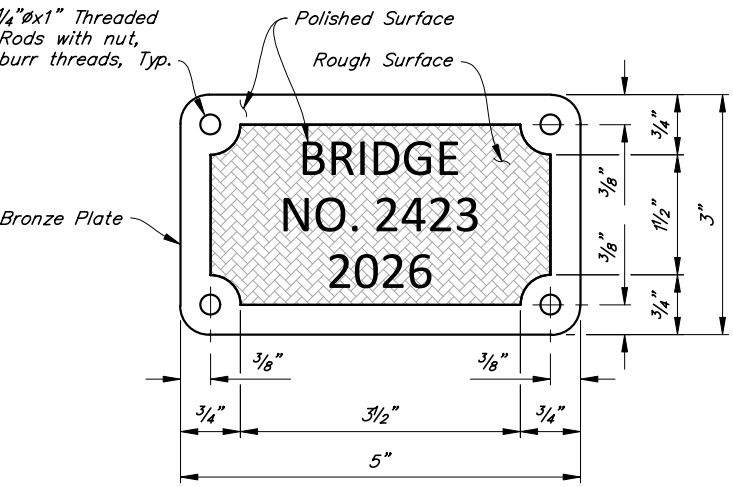
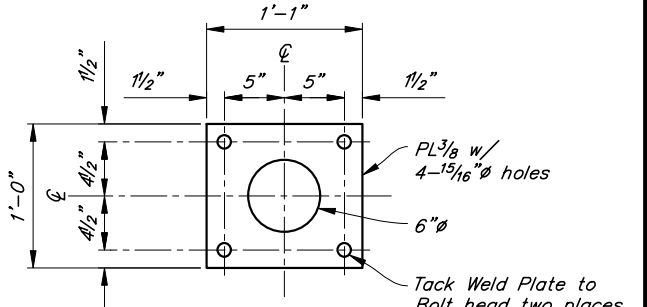
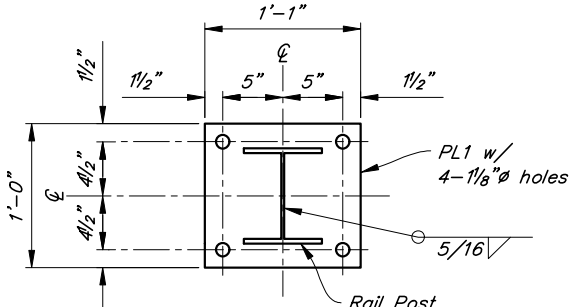
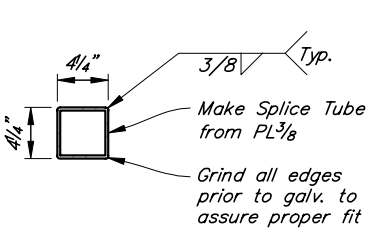
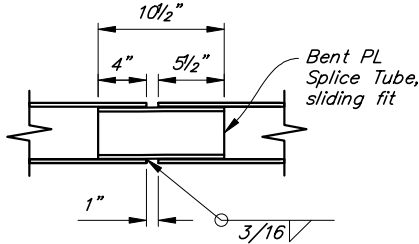
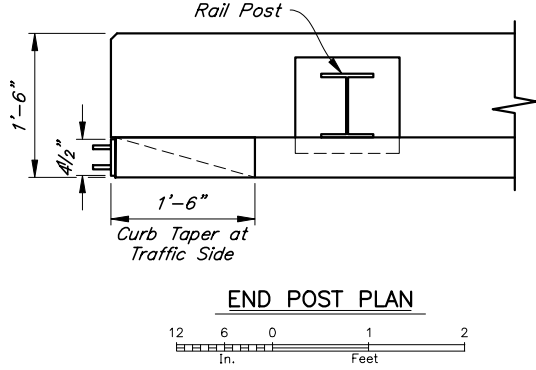
UNNAMED TRIBUTARY
OF KINZAROF LAGOON
KING COVE TO COLD BAY ROAD
PRECAST EXTERIOR DECK PANELS

BRIDGE NO. 2423
DWG. NO. 11

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SSHWY00117	2026	N12	N13



- NOTES:
1. Locate bridge number plates on right hand side of approaching traffic near each end as shown (2 total).
 2. Furnish bridge number plates. Use bronze that conforms to ASTM B98-90, Alloy "A" or "B". Use "Century" type style lettering. Use studs and nuts that conform to UNS C65100 or C65500. Braze 1/4" threaded rod to back of plate with nut - 4 required. Use locking nuts or lock washers on all machine bolts.
 3. Provide railing expansion joints at 50'-0" maximum intervals. Railing shall be continuous over 2 posts minimum.
 4. Use grout with a minimum 24 hour f'c of 3000 psi.
 5. See Bridge plans for rail post spacing.



DESIGNED BY:	Fred Gomez	CHECKED:	Bernard Frankl	FOUNDATIONS REVIEWED BY:	Engineer
DRAWN BY:	Lucas Gomez	CHECKED:	Bernard Frankl		
QUANTITIES BY:	Fred Gomez	CHECKED:	Bernard Frankl		

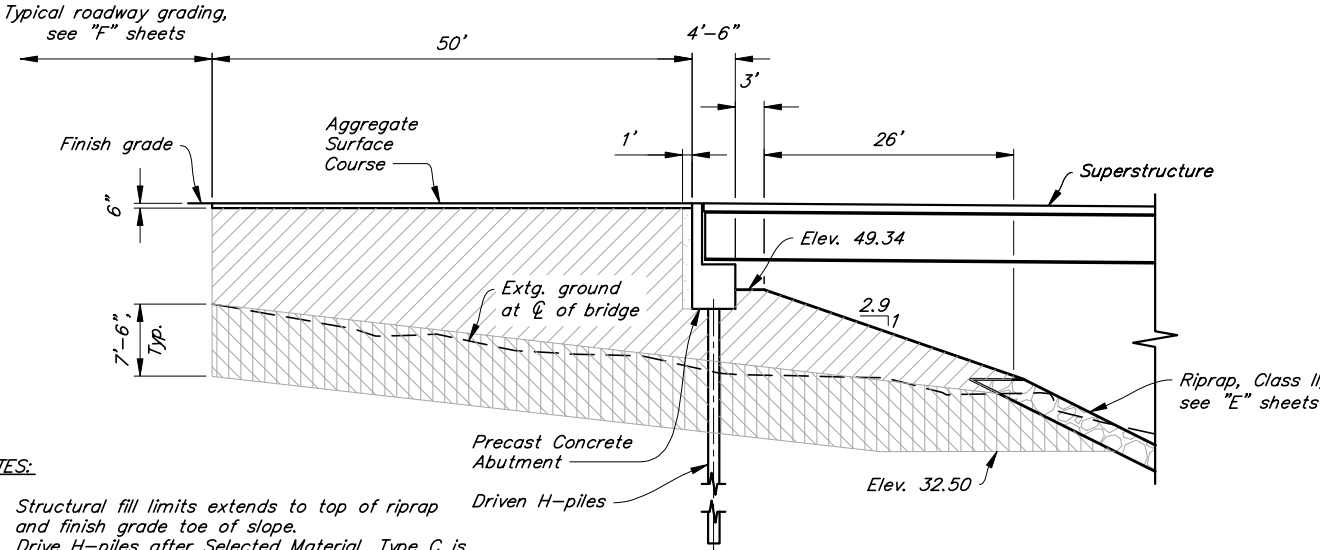


UNNAMED TRIBUTARY
OF KINZAROF LAGOON
KING COVE TO COLD BAY ROAD
STEEL BRIDGE RAILING

BRIDGE NO. 2423
DWG. NO. 12

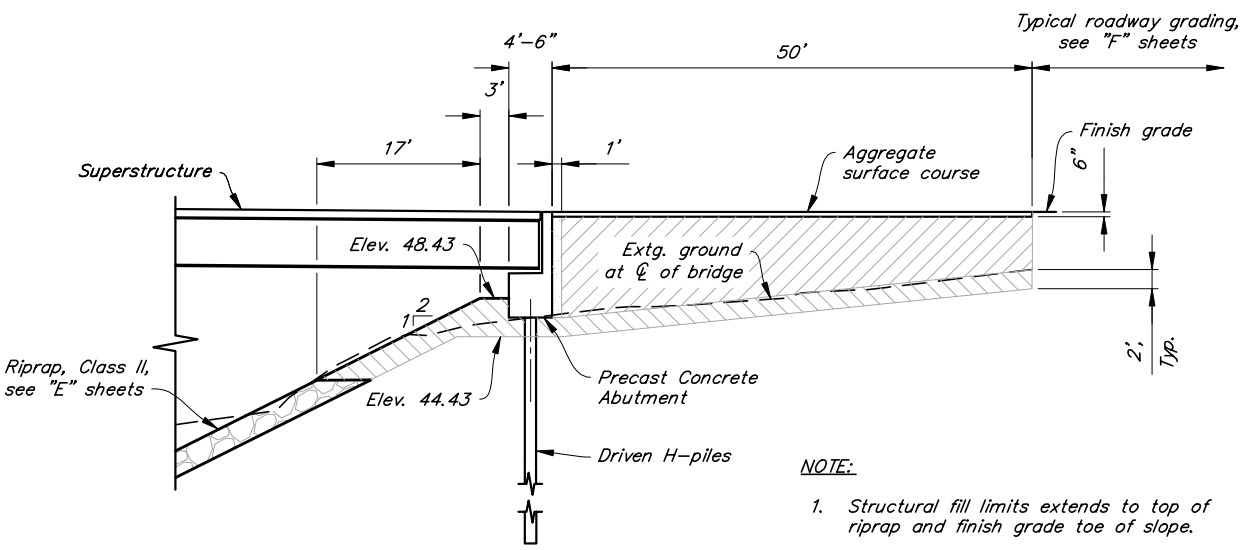
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SSHWY00117	2026	N13	N13

- *Porous Backfill Material*
- *Structural Fill*
- *Selected Material, Type C*
- *Excavation For Structures*



- NOTES:
1. Structural fill limits extends to top of riprap and finish grade toe of slope.
 2. Drive H-piles after Selected Material, Type C is in place.

ABUTMENT 1 ELEVATION
No Scale



- NOTE:
1. Structural fill limits extends to top of riprap and finish grade toe of slope.

ABUTMENT 2 ELEVATION
No Scale

C:\dowLpw\0435402\Bridge_13_Excavation_and_Backfill_Details-Layout1 Fri, Feb/20/26 03:23pm

DESIGNED BY:	<i>Fred Gomez</i>	CHECKED:	<i>Bernard Frankl</i>	FOUNDATIONS REVIEWED BY:	<i>Engineer</i>
DRAWN BY:	<i>Lucas Gomes</i>	CHECKED:	<i>Bernard Frankl</i>		
QUANTITIES BY:	<i>Fred Gomez</i>	CHECKED:	<i>Bernard Frankl</i>		

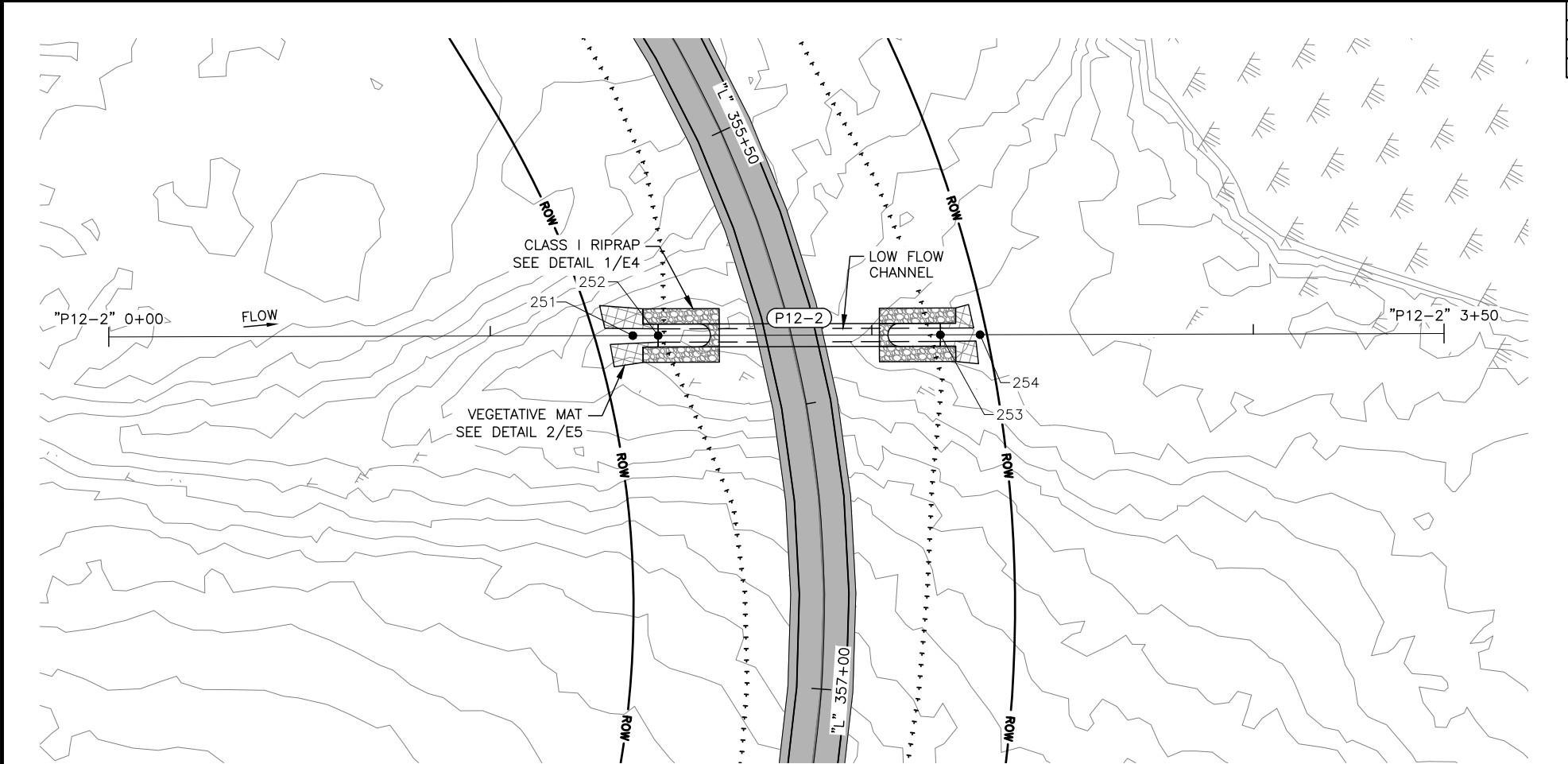


UNNAMED TRIBUTARY
OF KINZAROF LAGOON
KING COVE TO COLD BAY ROAD
EXCAVATION AND BACKFILL DETAILS


BRIDGE NO. 2423
DWG. NO. 13

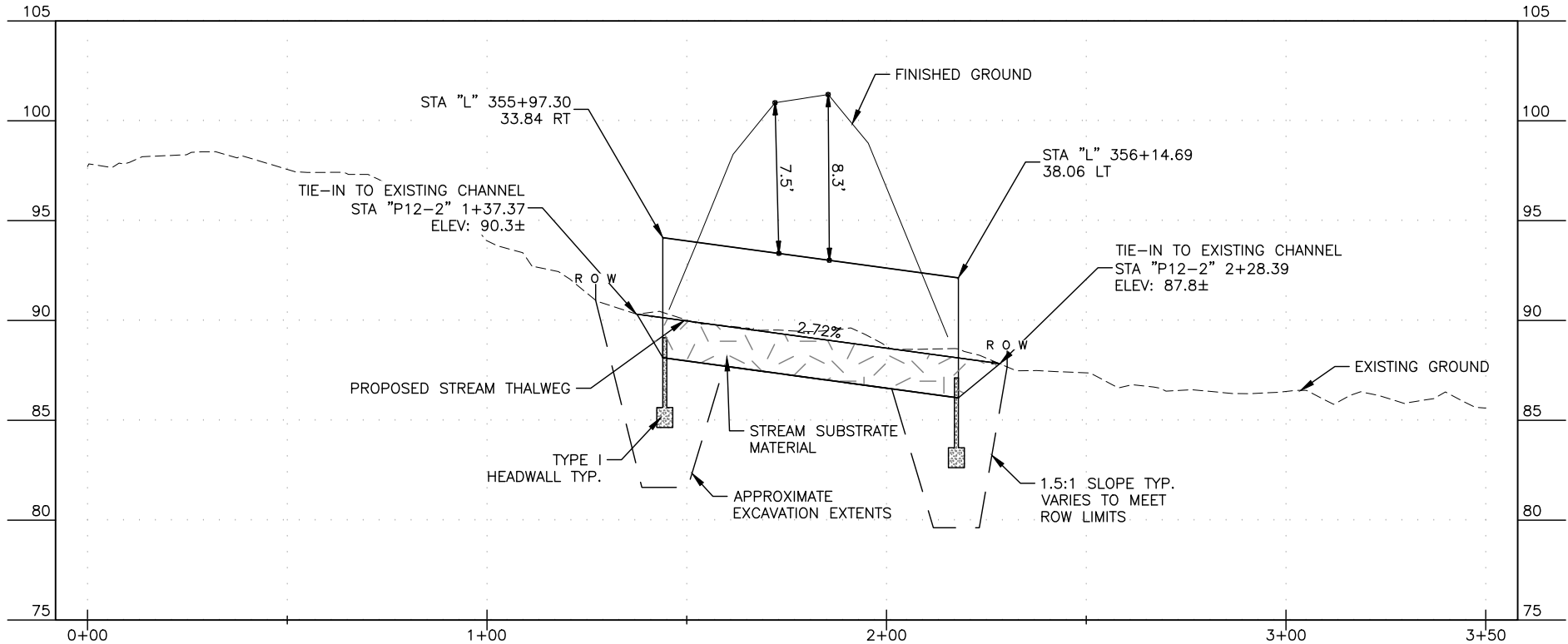
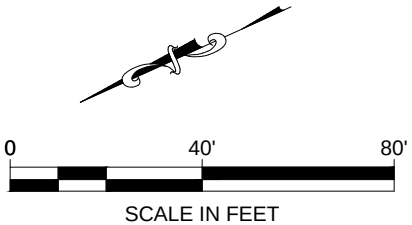
A graphic scale bar labeled "SCALE IN FEET" with markings for 0, 40', and 80'. The bar is divided into alternating black and white segments. Above the bar, a north arrow points towards the upper right.

PLANS DEVELOPED BY: DOWL 3030 VINTAGE BLVD, SUITE 200 JUNEAU, AK 99801 (907) 780-3533 CERT. OF AUTH. # AECL848		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES KING COVE TO COLD BAY ROAD PLAN & PROFILE FP10-1
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	P2	P9

HYDROLOGIC & HYDRAULIC SUMMARY				
EXCEEDANCE PROBABILITY	RECURRANCE INTERVAL	Q	HIGH WATER ELEVATION	HEADWATER TO DEPTH RATIO
	(YEAR)	(CFS)	(FT)	
0.5	2	25	91.7	0.39
0.2	5	45	92.4	0.57
0.1	10	61	92.9	0.70
0.04	25	83	93.6	0.87
0.02	50	100	94.2	1.00
0.01	100	120	94.9	1.19
DRAINAGE AREA = 0.51 SQUARE MILES				
ANTICIPATED ADDITIONAL BACKWATER = 0.0 FEET				
ROADWAY OVERTOPPING AT 220 CFS				



CULVERT SUMMARY	
SIZE (DIAMETER)	6.0'
LENGTH	74.0'
SLOPE	2.72%
MATERIAL	ROLLED ALUMINUM
EMBEDMENT	2.0'
INLET INVERT	88.1'
OUTLET INVERT	86.1'

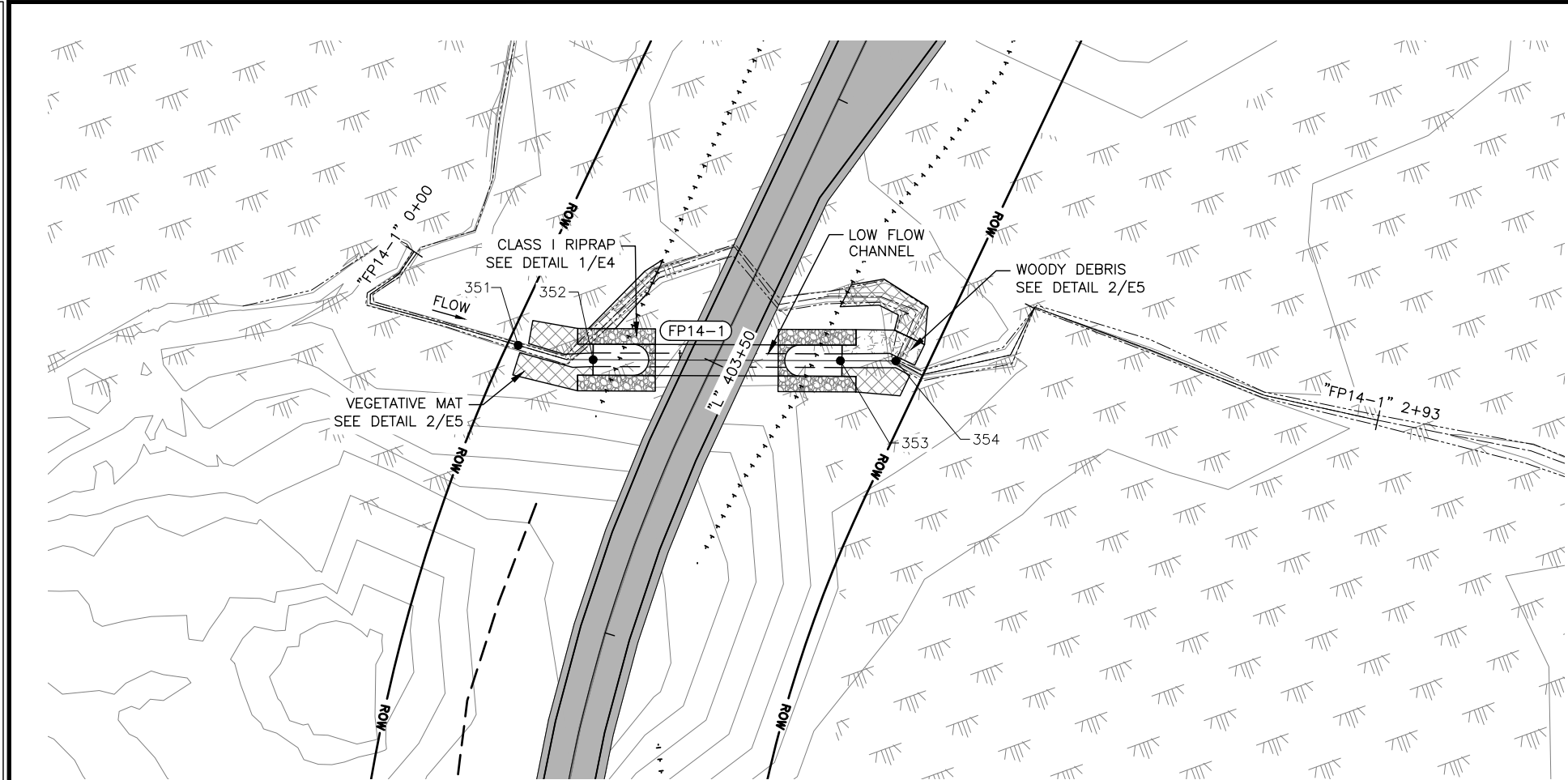
STREAM THALWEG COORDINATE POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
251	482347.75	1524604.37	90.3	TIE-IN
252	482341.97	1524601.08	90.1	INLET
253	482277.68	1524564.49	88.1	OUTLET
254	482268.64	1524559.34	87.8	TIE-IN

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

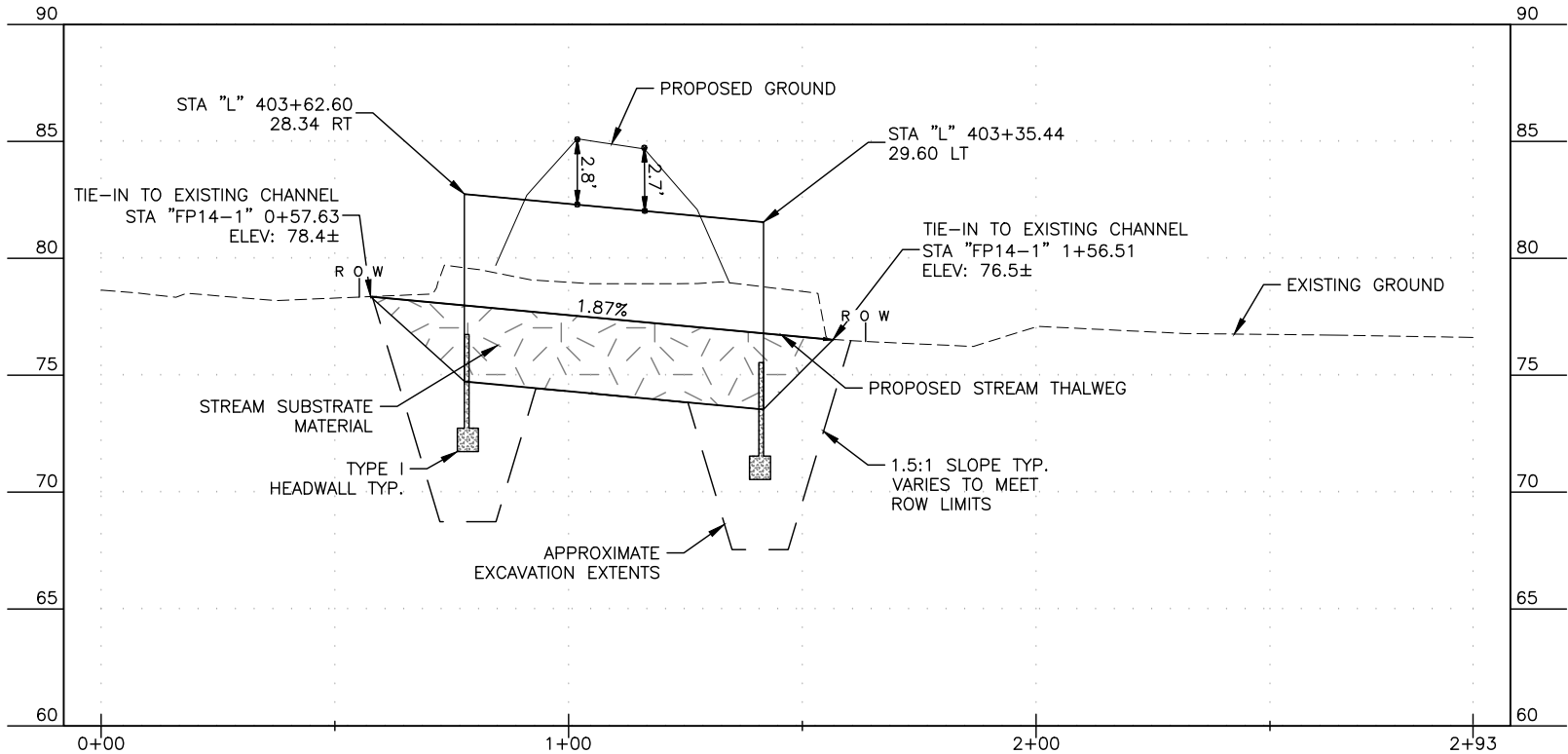
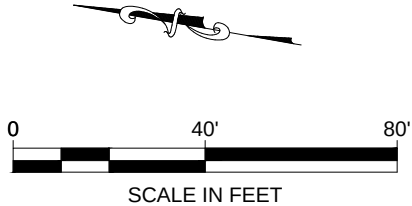
KING COVE TO COLD BAY ROAD

PLAN & PROFILE
P12-2



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	P3	P9

HYDROLOGIC & HYDRAULIC SUMMARY				
EXCEEDANCE PROBABILITY	RECURRANCE INTERVAL	Q	HIGH WATER ELEVATION	HEADWATER TO DEPTH RATIO
	(YEAR)	(CFS)	(FT)	
N/A	Q2D2	11	78.7	0.16
0.5	2	27	79.3	0.28
0.2	5	48	80.0	0.42
0.1	10	65	80.4	0.51
0.04	25	90	81.0	0.64
0.02	50	110	81.5	0.73
0.01	100	130	81.9	0.83
DRAINAGE AREA = 0.57 SQUARE MILES				
ANTICIPATED ADDITIONAL BACKWATER = 0.0 FEET				
ROADWAY OVERTOPPING AT 210 CFS				



CULVERT SUMMARY	
SIZE (DIAMETER)	8.0'
LENGTH	64.0'
SLOPE	1.87%
MATERIAL	ALUMINUM STRUCTURAL PLATE
EMBEDMENT	3.3'
INLET INVERT	74.7'
OUTLET INVERT	73.5'

STREAM THALWEG COORDINATE POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
351	482745.92	1520367.29	78.4	TIE-IN
352	482726.29	1520367.05	78.0	INLET
353	482663.66	1520378.02	76.8	OUTLET
354	482649.58	1520380.48	76.5	TIE-IN

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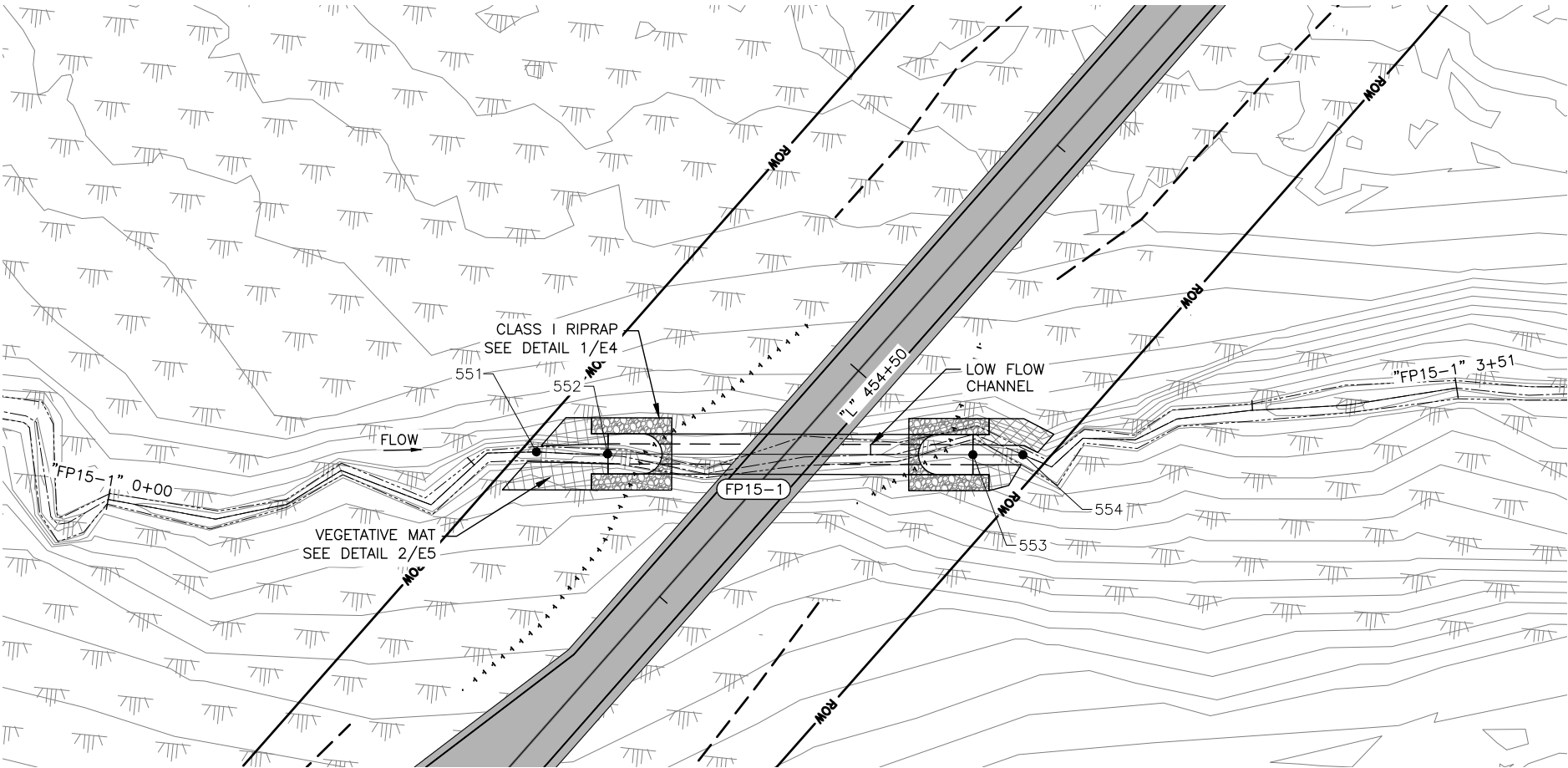
STATE OF ALASKA
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AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

PLAN & PROFILE
FP14-1

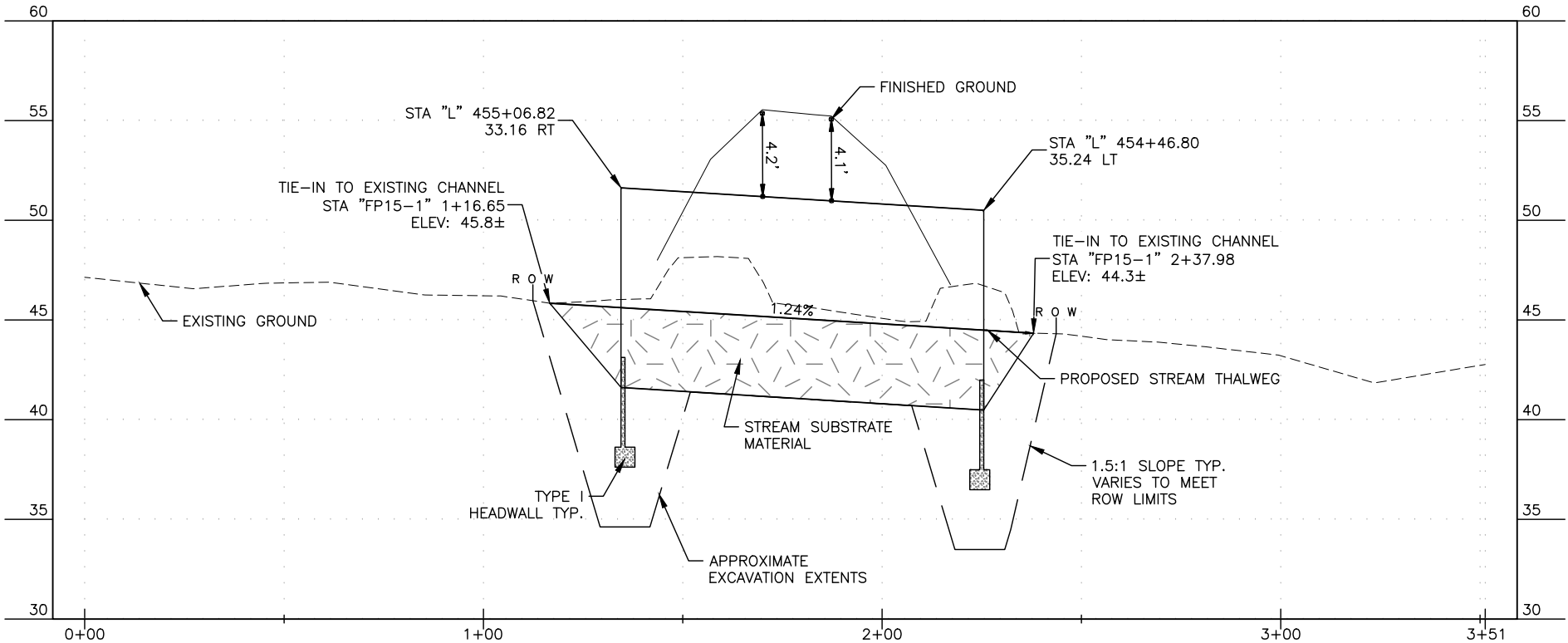
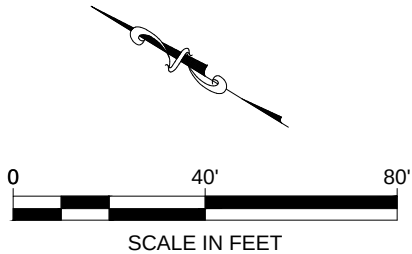
A graphic scale bar and a north arrow. The scale bar is labeled "SCALE IN FEET" and has markings for 0, 40', and 80'. The north arrow points towards the top right of the page.

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	P5	P9

HYDROLOGIC & HYDRAULIC SUMMARY				
EXCEEDANCE PROBABILITY	RECURRANCE INTERVAL	Q	HIGH WATER ELEVATION	HEADWATER TO DEPTH RATIO
	(YEAR)	(CFS)	(FT)	
N/A	Q2D2	28	46.9	0.22
0.5	2	71	48.1	0.40
0.2	5	120	49.1	0.58
0.1	10	160	49.8	0.69
0.04	25	215	50.7	0.84
0.02	50	260	51.4	1.0
0.01	100	300	52.1	1.1
DRAINAGE AREA = 1.80 SQUARE MILES				
ANTICIPATED ADDITIONAL BACKWATER = 0.0 FEET				
ROADWAY OVERTOPPING AT 440 CFS				



CULVERT SUMMARY	
SIZE (DIAMETER)	10.0'
LENGTH	91.0'
SLOPE	1.24%
MATERIAL	ALUMINUM STRUCTURAL PLATE
EMBEDMENT	4.0'
INLET INVERT	41.6'
OUTLET INVERT	40.5'

STREAM THALWEG COORDINATE POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
551	481067.50	1515800.68	45.8	TIE-IN
552	481052.82	1515810.67	45.6	INLET
553	480978.89	1515863.90	44.5	OUTLET
554	480968.77	1515871.19	44.3	TIE-IN

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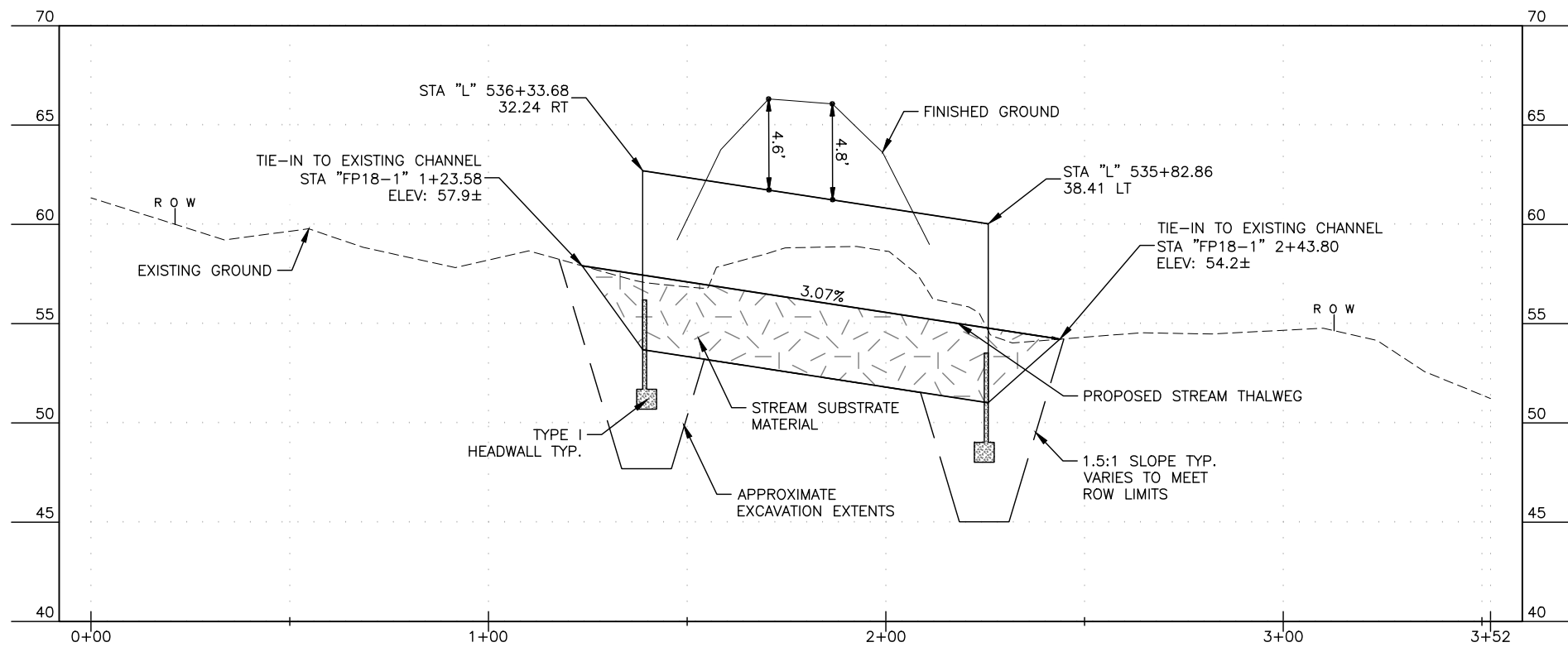
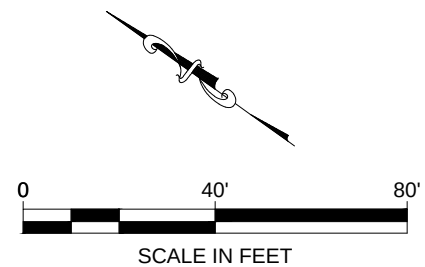


STATE OF ALASKA
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KING COVE TO COLD BAY ROAD

PLAN & PROFILE
FP15-1

HYDROLOGIC & HYDRAULIC SUMMARY				
EXCEEDANCE PROBABILITY	RECCURENCE INTERVAL	Q	HIGH WATER ELEVATION	HEADWATER TO DEPTH RATIO
	(YEAR)	(CFS)	(FT)	
N/A	Q2D2	25	58.6	0.23
0.5	2	63	59.7	0.42
0.2	5	110	60.7	0.61
0.1	10	150	61.4	0.74
0.04	25	200	62.2	0.91
0.02	50	230	62.9	1.04
0.01	100	280	63.9	1.24
DRAINAGE AREA = 1.58 SQUARE MILES				
ANTICIPATED ADDITIONAL BACKWATER = 0.0 FEET				
ROADWAY OVERTOPPING AT 290 CFS				



CULVERT SUMMARY	
SIZE (DIAMETER)	9.0'
LENGTH	87.0'
SLOPE	3.07%
MATERIAL	ALUMINUM STRUCTURAL PLATE
EMBEDMENT	3.75'
INLET INVERT	53.7'
OUTLET INVERT	51.0'

STREAM THALWEG COORDINATE POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
651	482054.68	1508878.70	57.9	TIE-IN
652	482045.74	1508885.99	57.6	INLET
653	481972.04	1508942.13	54.7	OUTLET
654	481957.13	1508941.99	54.2	TIE-IN

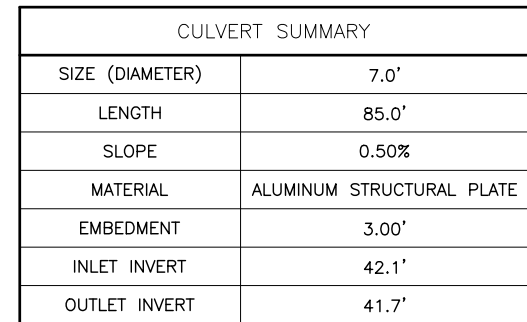
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STREAM THALWEG COORDINATE POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
751	480761.23	1507121.50	45.2	TIE-IN
752	480749.94	1507133.11	45.2	INLET
753	480722.45	1507213.54	44.7	OUTLET
754	480719.18	1507221.25	44.7	TIE-IN

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STATE OF ALASKA
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FP19-1

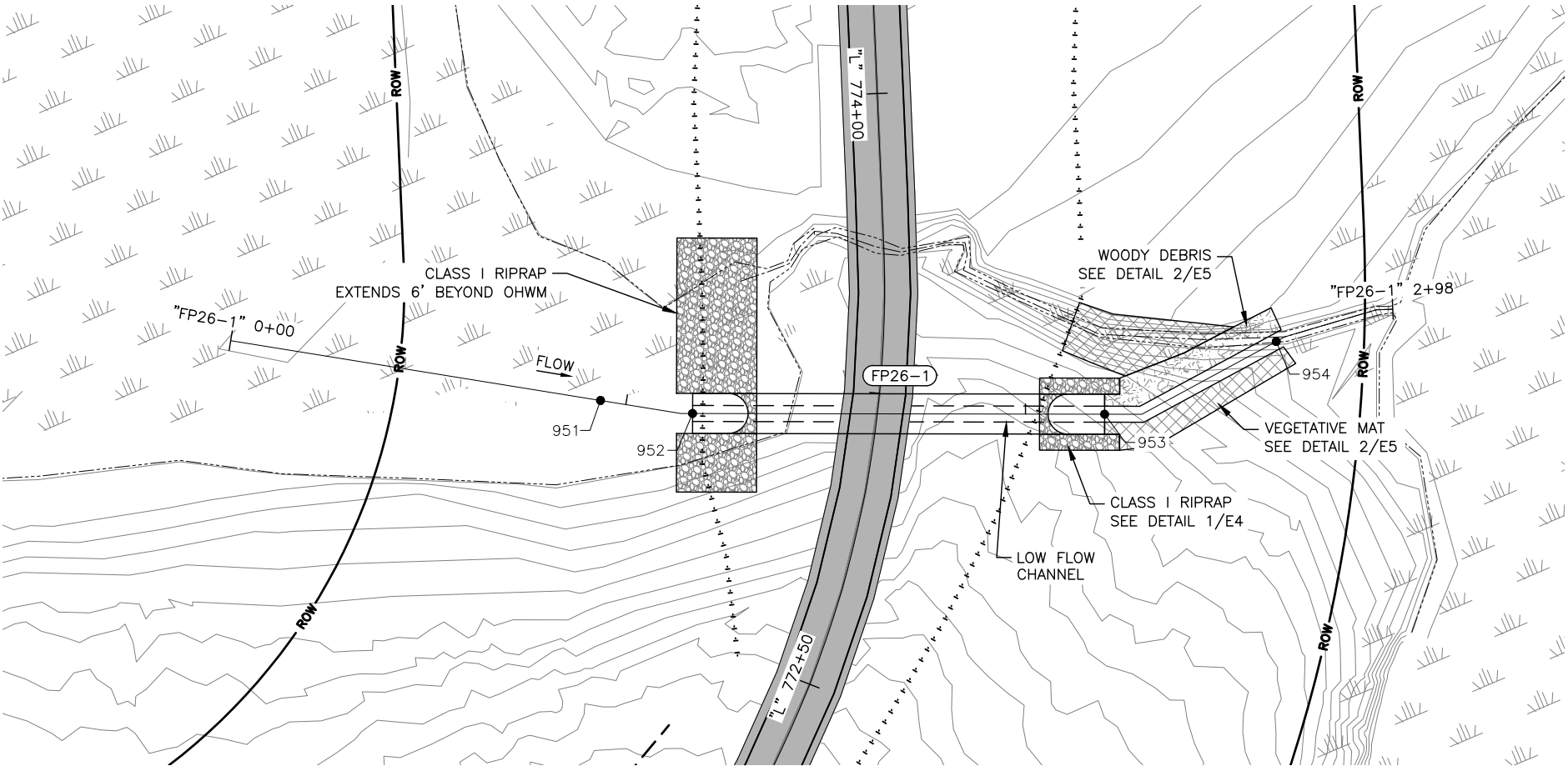


SHEET NO.	TOTAL SHEETS
P8	P9



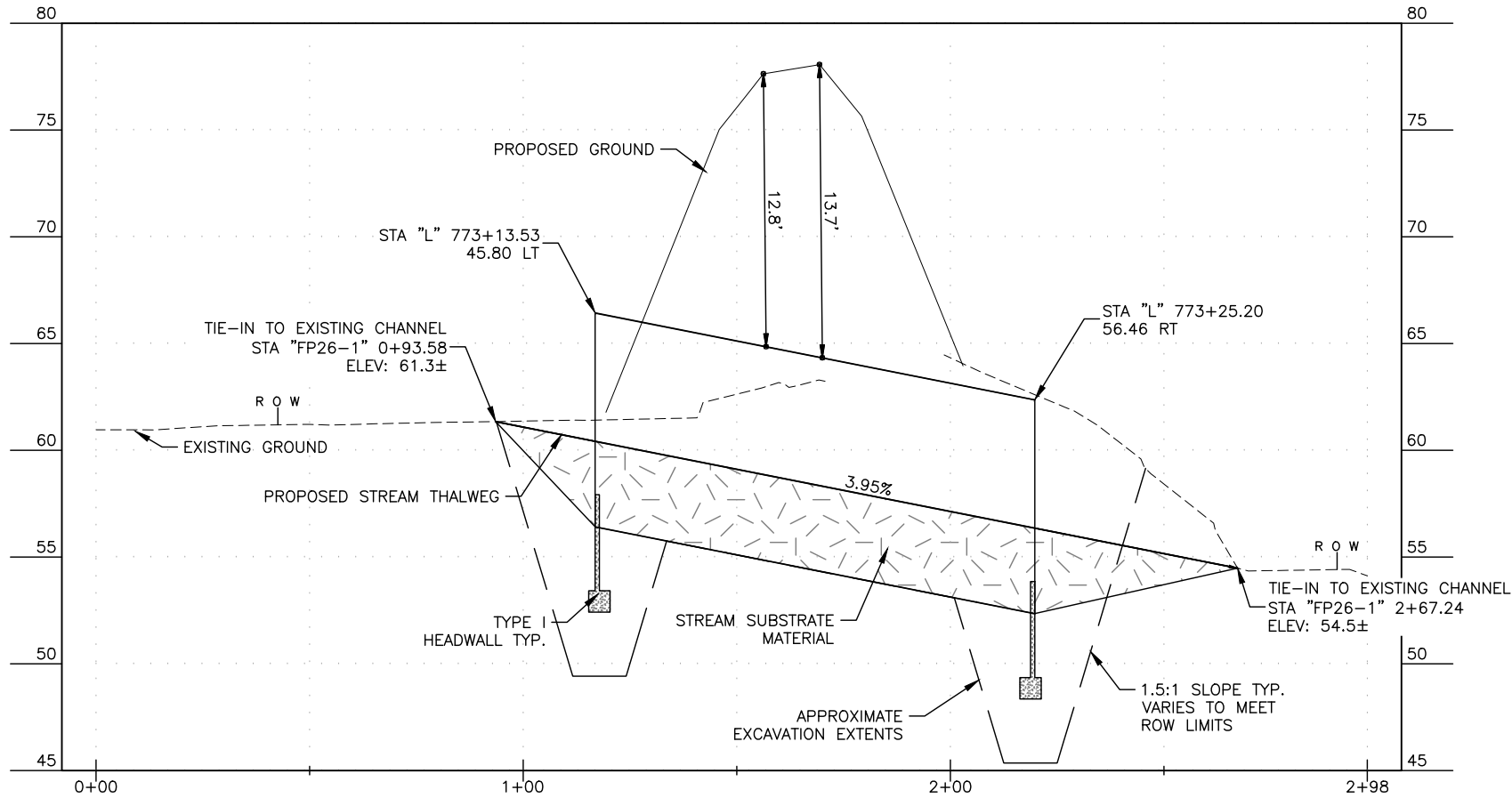
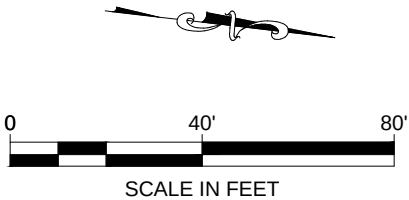
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PLAN & PROFILE
FP21-1



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	P9	P9

HYDROLOGIC & HYDRAULIC SUMMARY				
EXCEEDANCE PROBABILITY	RECURRANCE INTERVAL	Q	HIGH WATER ELEVATION	HEADWATER TO DEPTH RATIO
	(YEAR)	(CFS)	(FT)	
N/A	Q2D2	15	61.2	0.13
0.5	2	37	61.9	0.25
0.2	5	66	62.6	0.37
0.1	10	89	63.1	0.45
0.04	25	120	63.7	0.55
0.02	50	150	64.2	0.63
0.01	100	170	64.7	0.71
DRAINAGE AREA = 0.84 SQUARE MILES				
ANTICIPATED ADDITIONAL BACKWATER = 0.0 FEET				
ROADWAY OVERTOPPING AT 650 CFS				



CULVERT SUMMARY	
SIZE (DIAMETER)	10.0'
LENGTH	103.0'
SLOPE	3.95%
MATERIAL	ALUMINUM STRUCTURAL PLATE
EMBEDMENT	4.0'
INLET INVERT	56.4'
OUTLET INVERT	52.4'

STREAM THALWEG COORDINATE POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
951	475244.52	1490509.58	61.3	TIE-IN
952	475267.75	1490510.01	60.4	INLET
953	475369.92	1490497.65	56.4	OUTLET
954	475410.27	1490474.40	54.5	TIE-IN

PLANS DEVELOPED BY:
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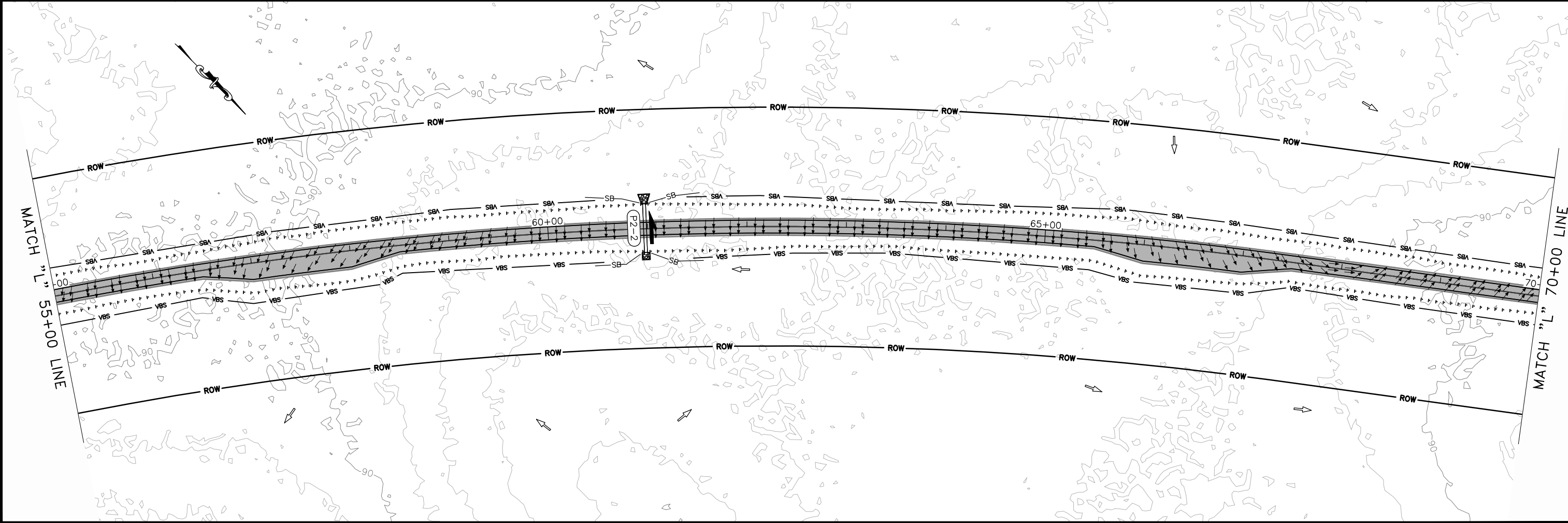
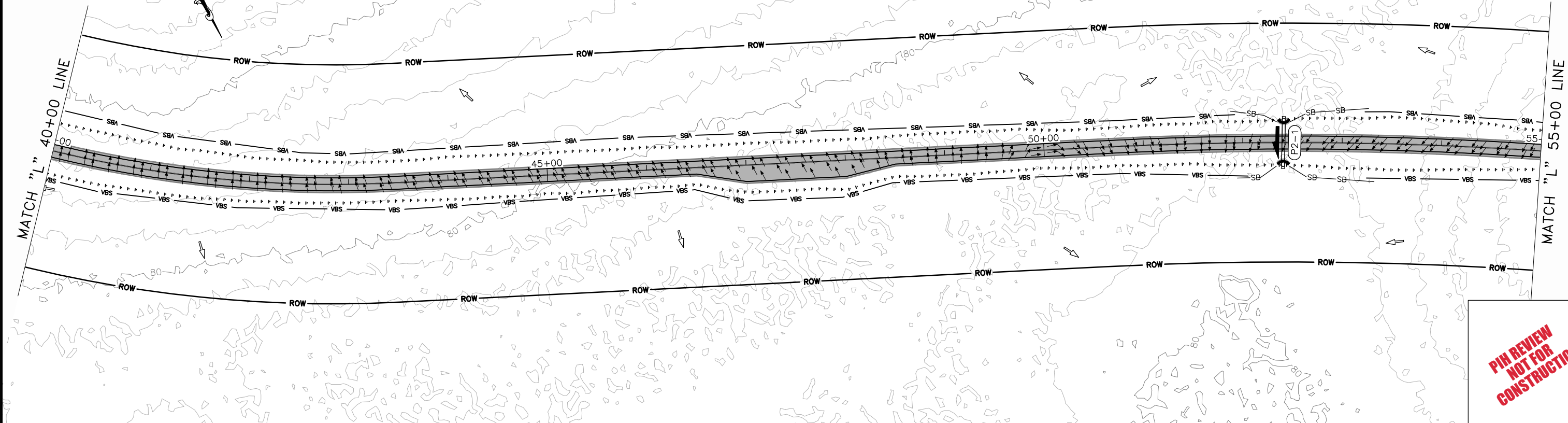


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KING COVE TO COLD BAY ROAD

PLAN & PROFILE
FP26-1

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	Q2	Q34



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	Q3	Q34

MATCH "L" 70+00 LINE

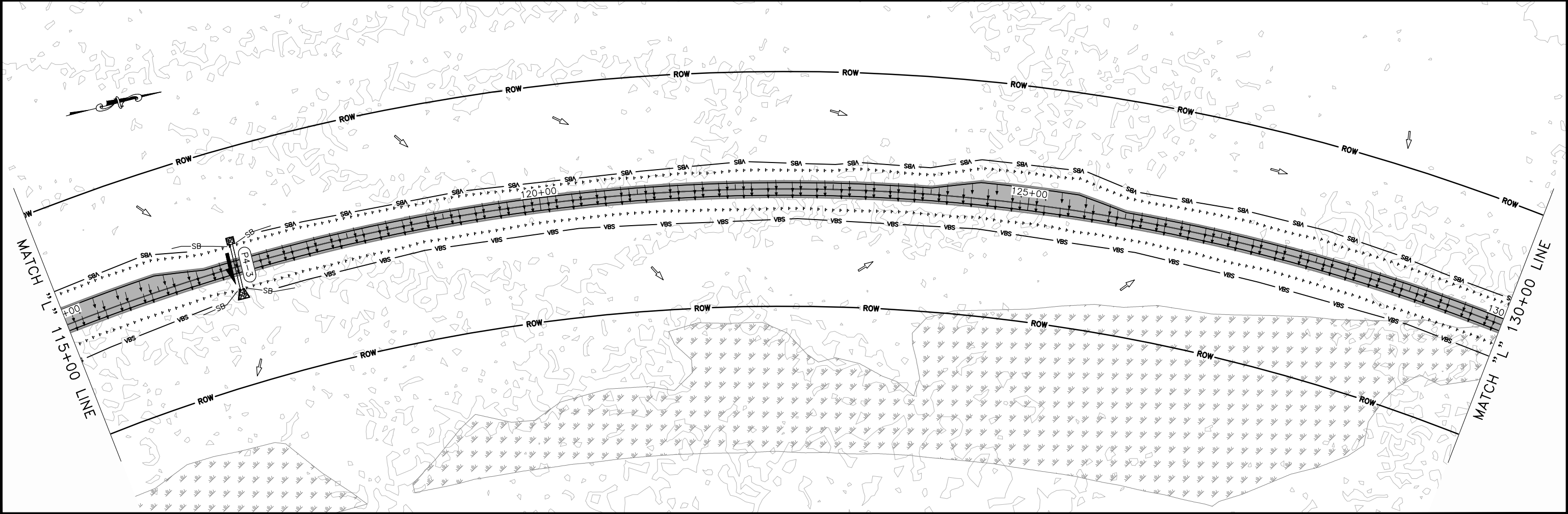
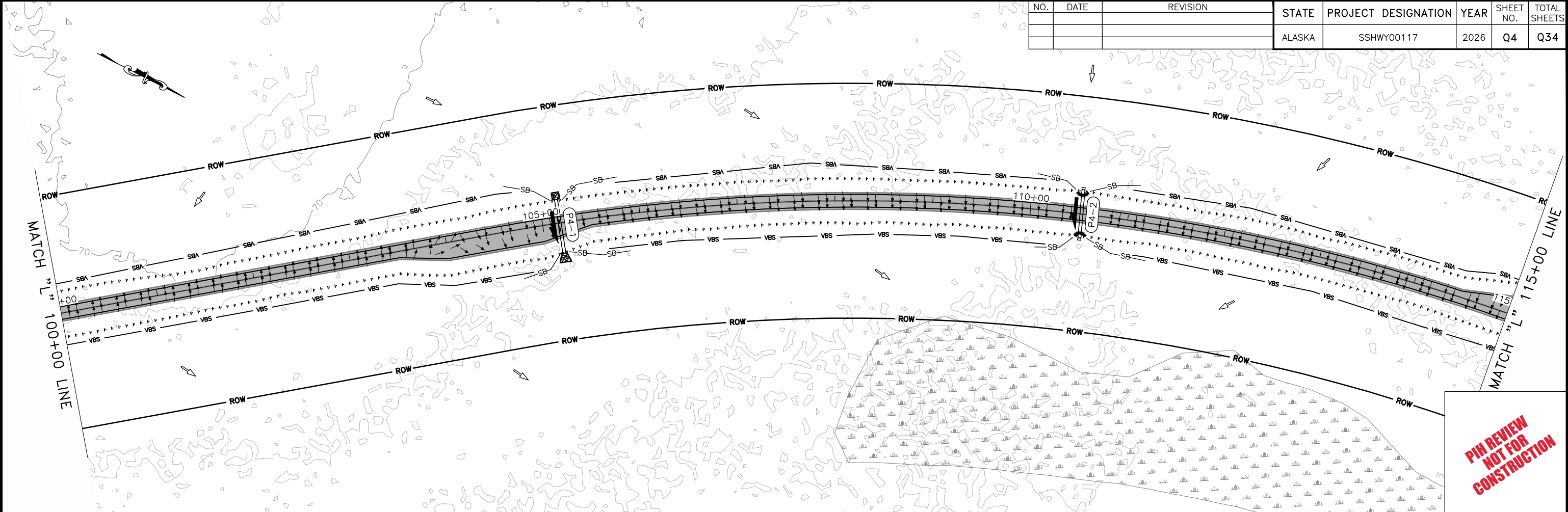
MATCH "L" 85+00 LINE

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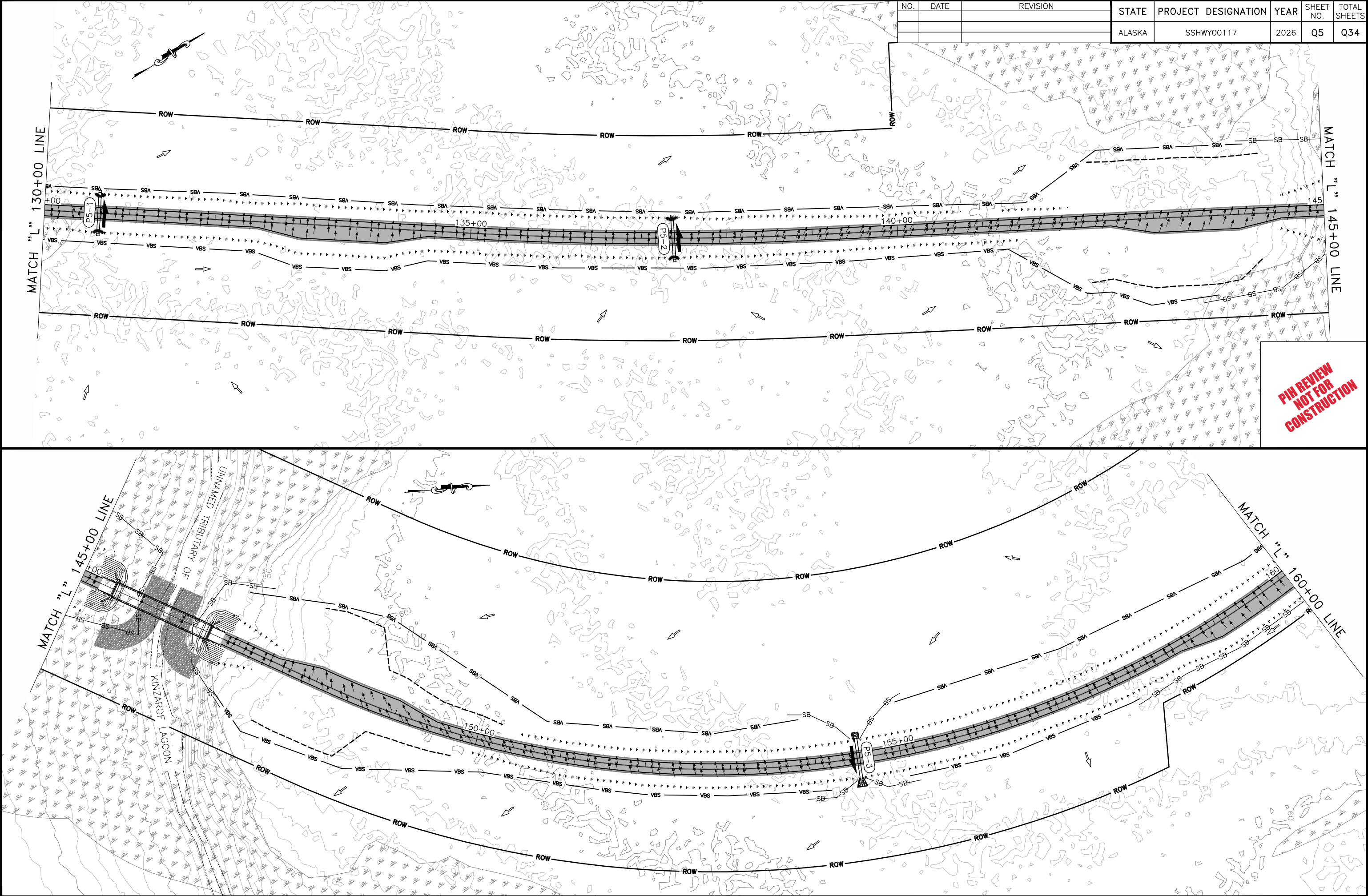
MATCH "L" 85+00 LINE

MATCH "L" 100+00 LINE

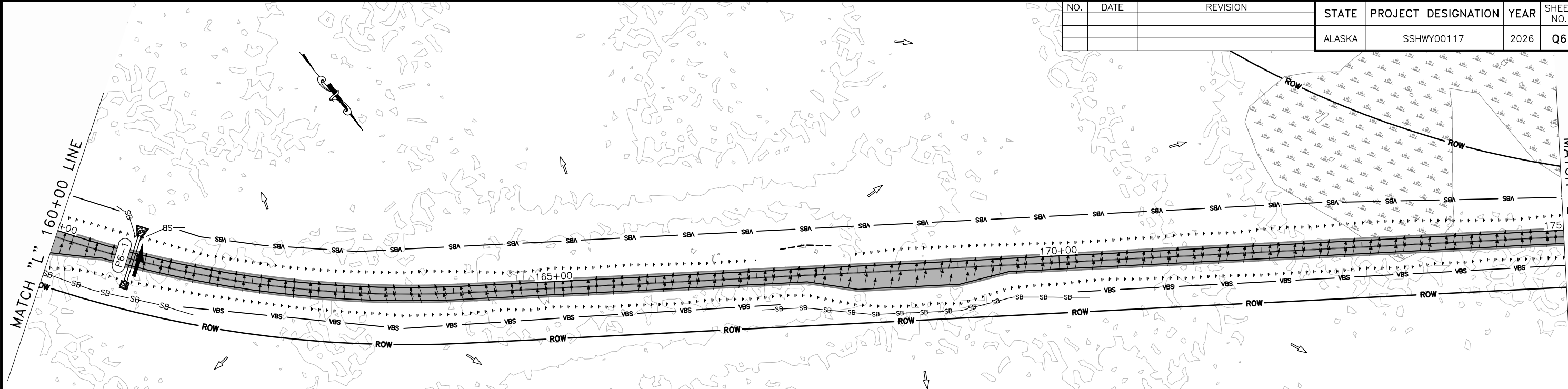
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			ALASKA	SSHXY00117	2026	Q4	Q34



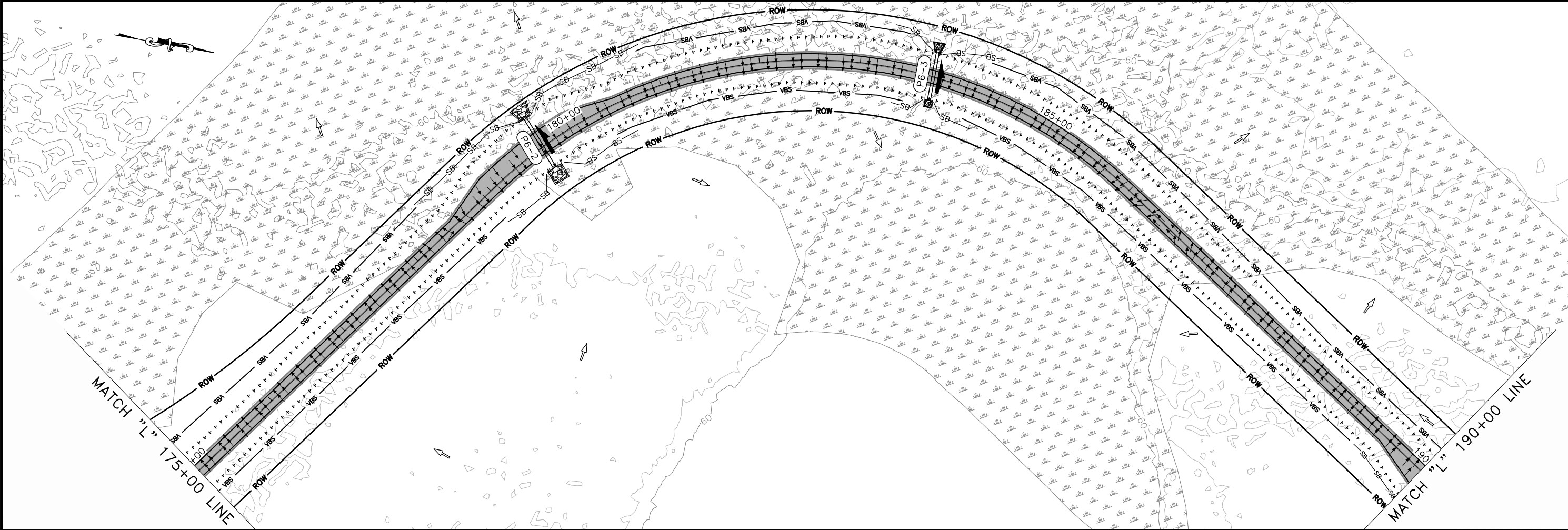
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			ALASKA	SSHWY00117	2026	Q5	Q34



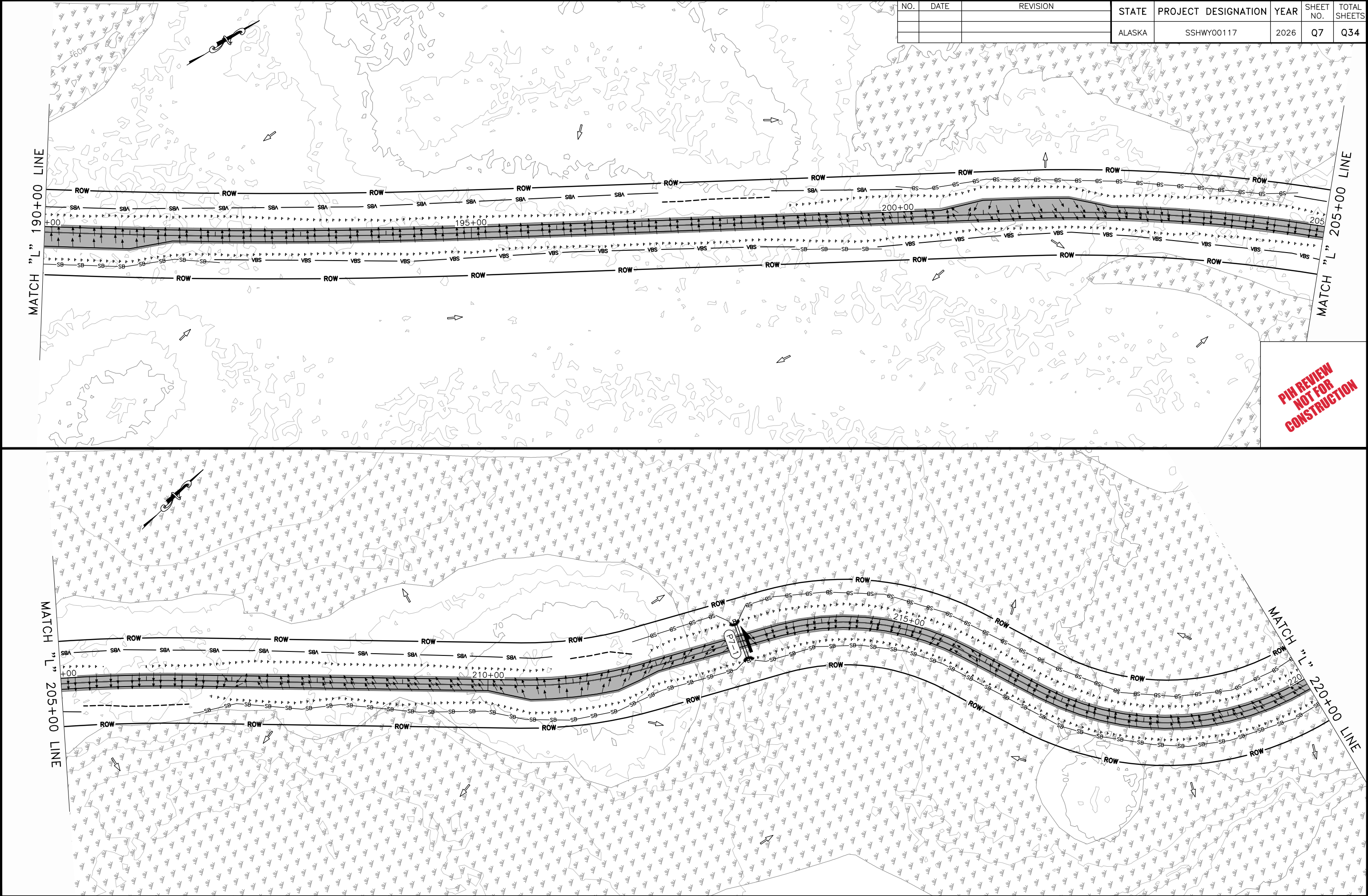
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			ALASKA	SSHXY00117	2026	Q6	Q34

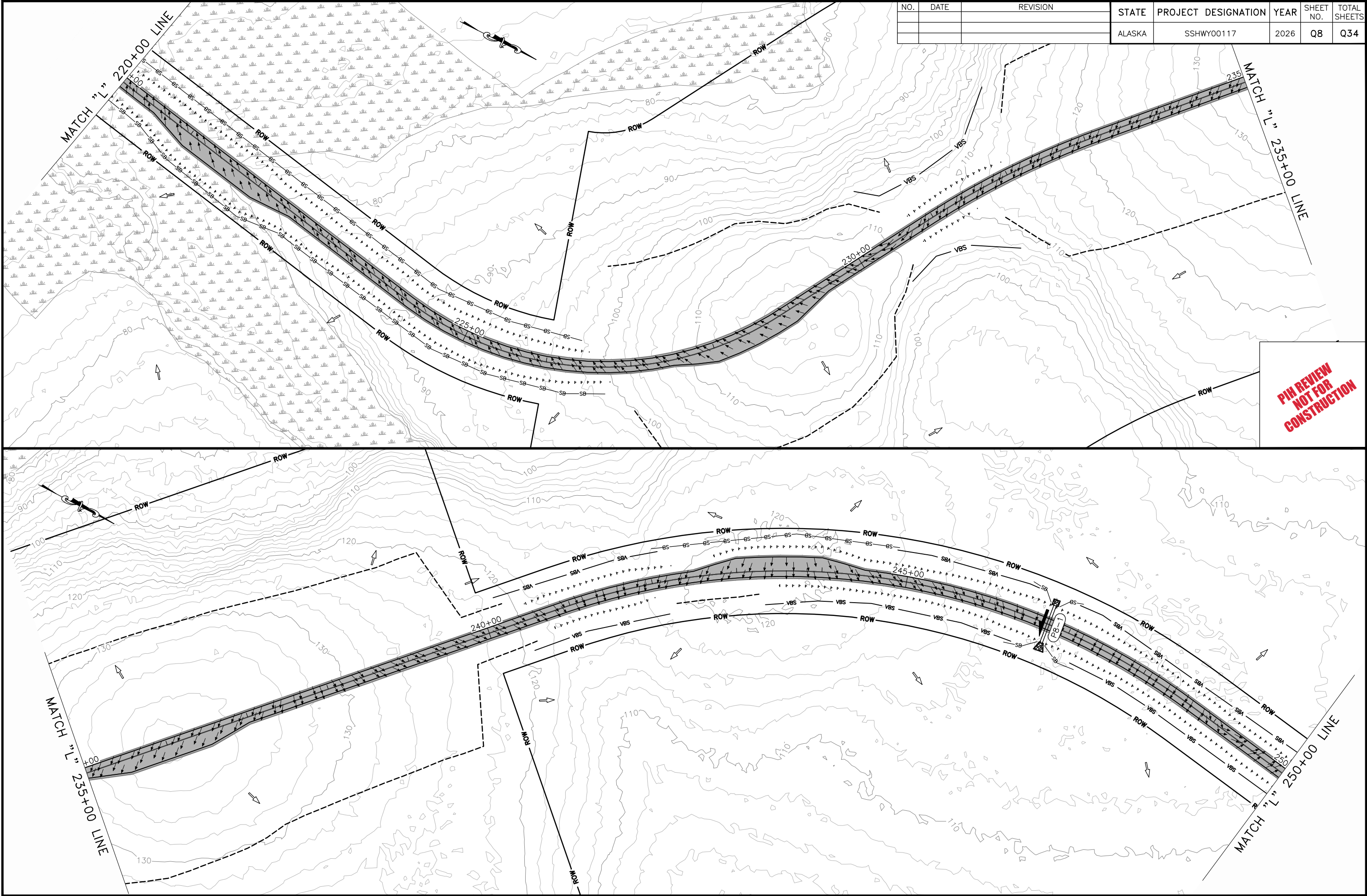


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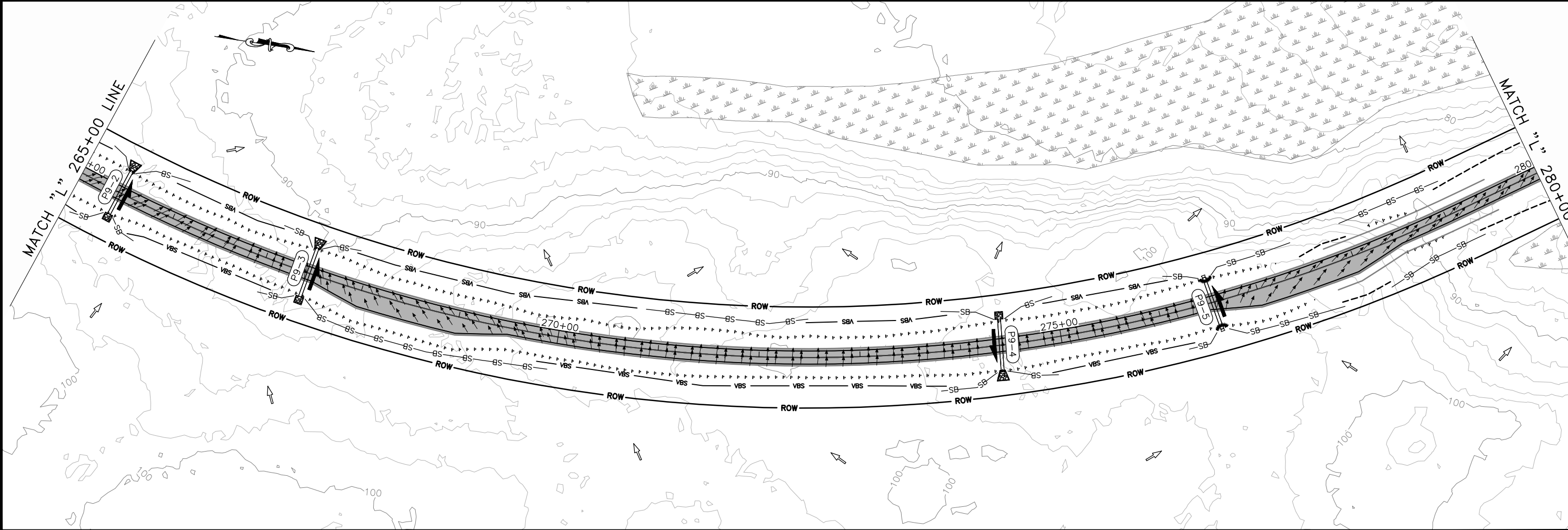
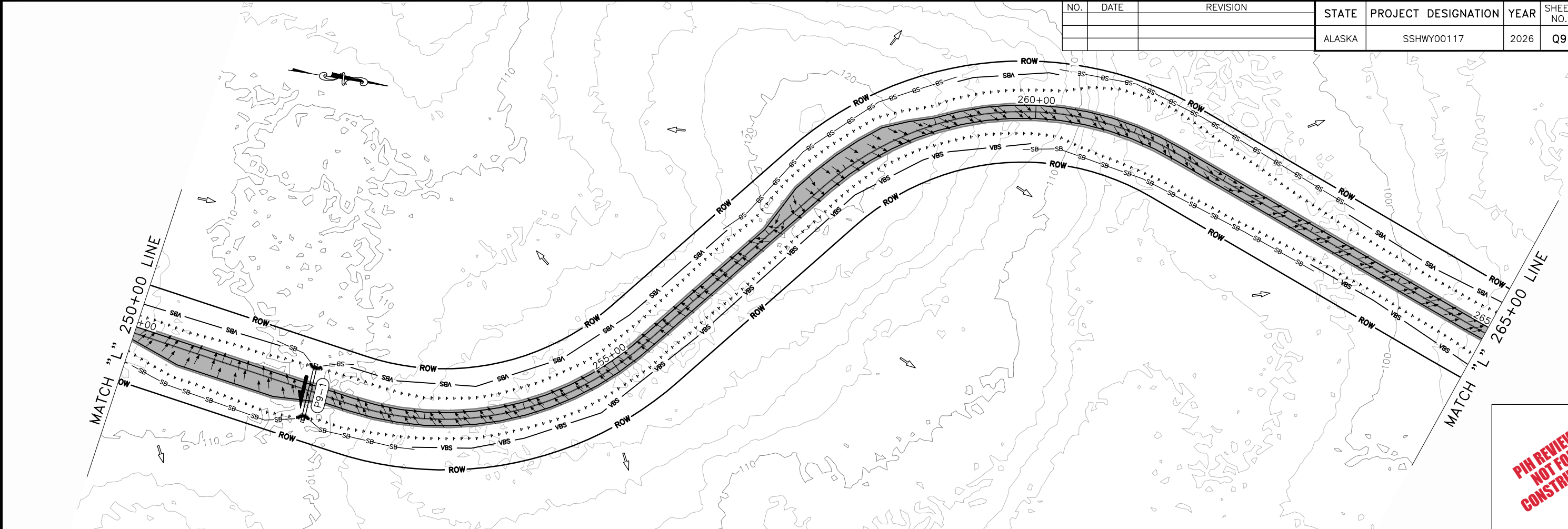
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			ALASKA	SSHWHY00117	2026	Q7	Q34



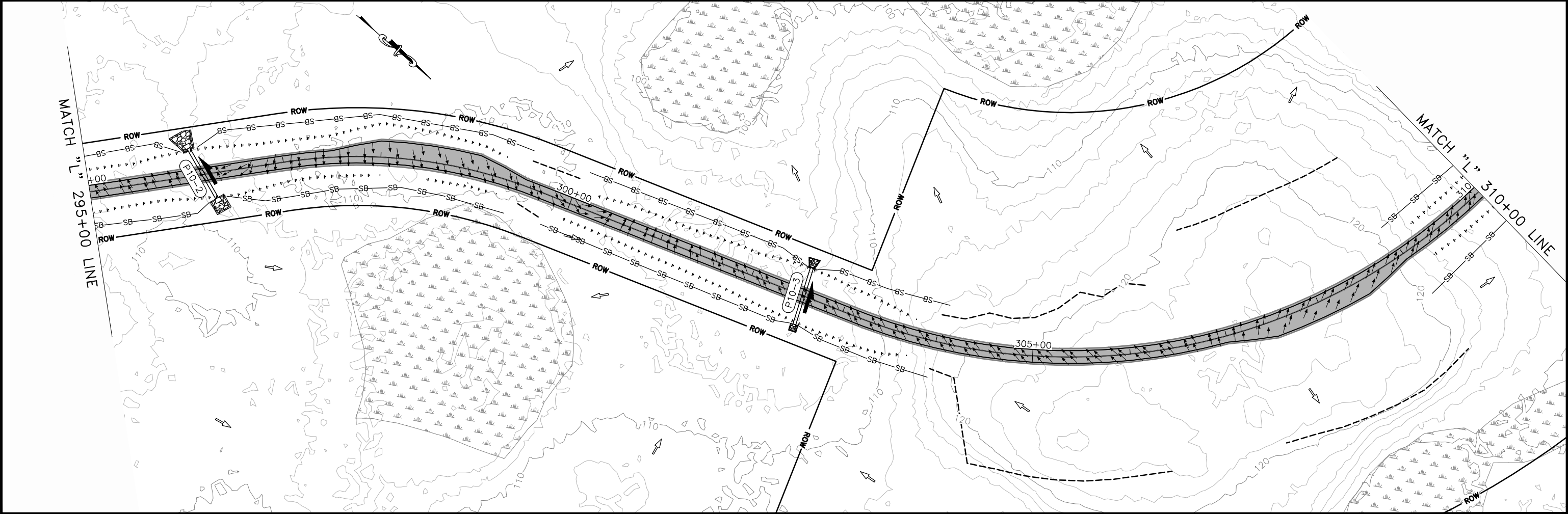
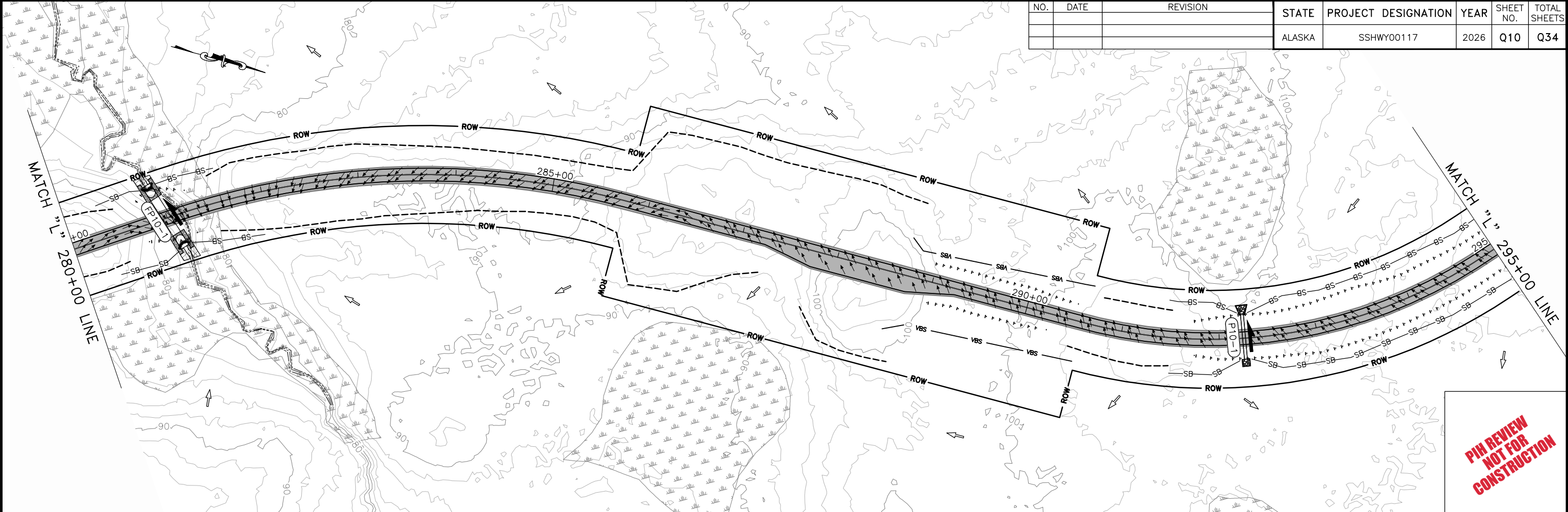


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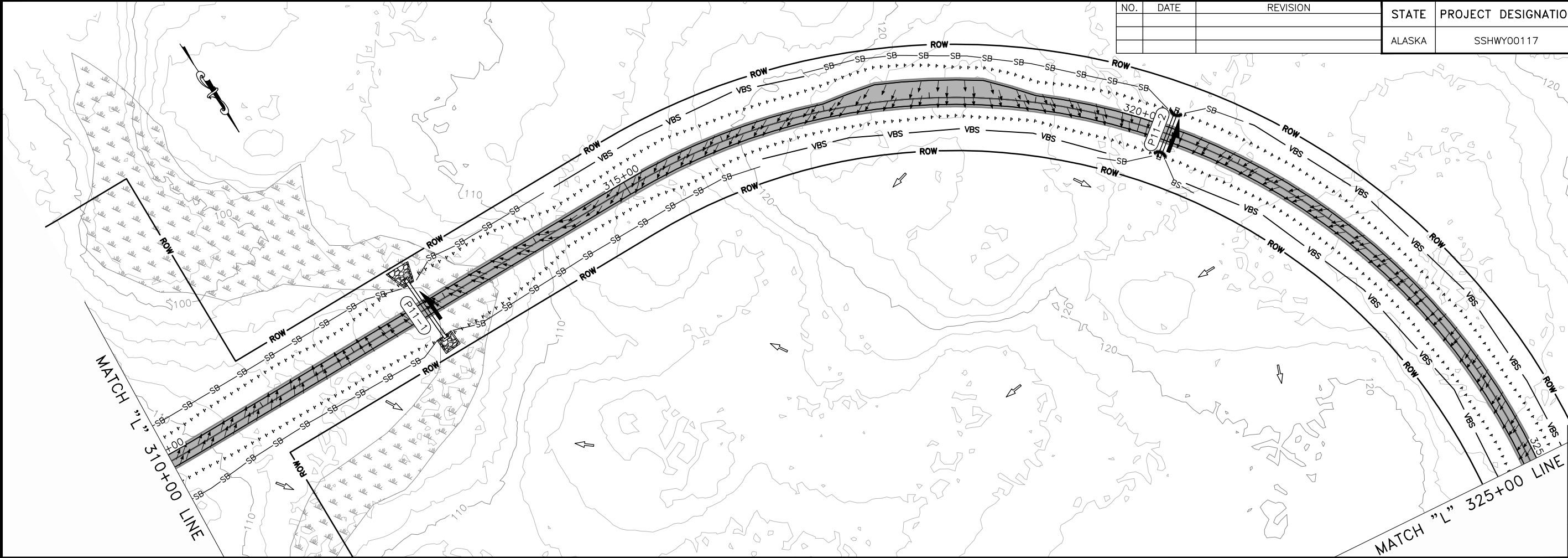
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			ALASKA	SSHXY00117	2026	Q9	Q34



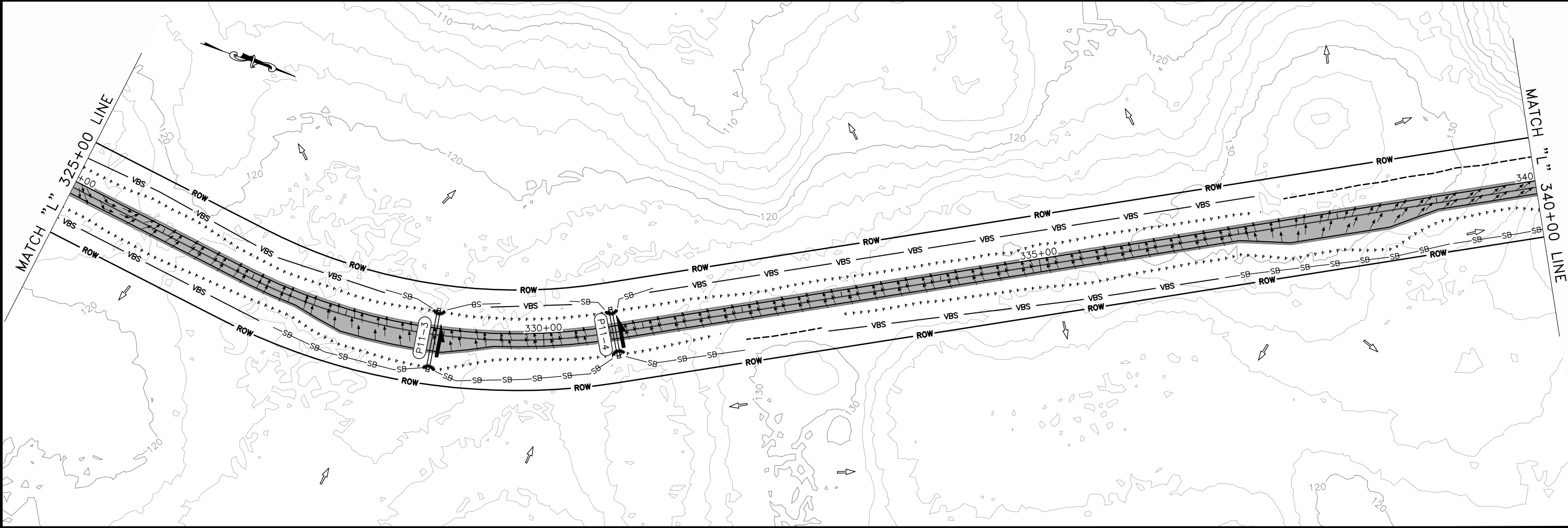
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			ALASKA	SSHWY00117	2026	Q10	Q34



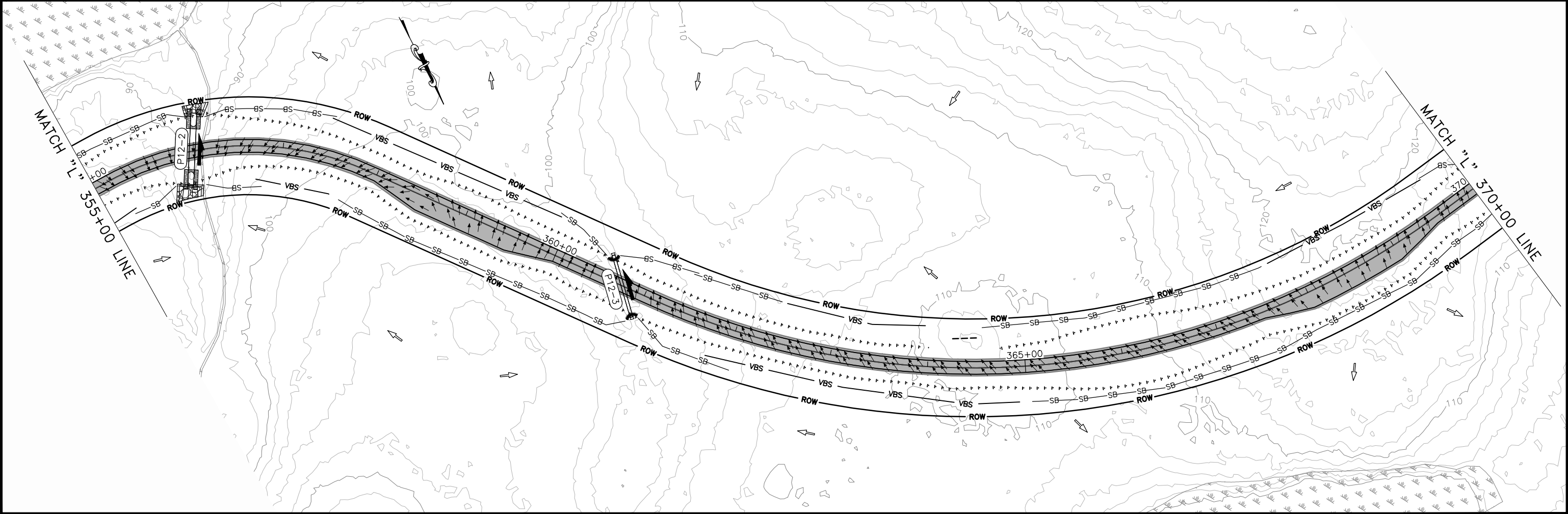
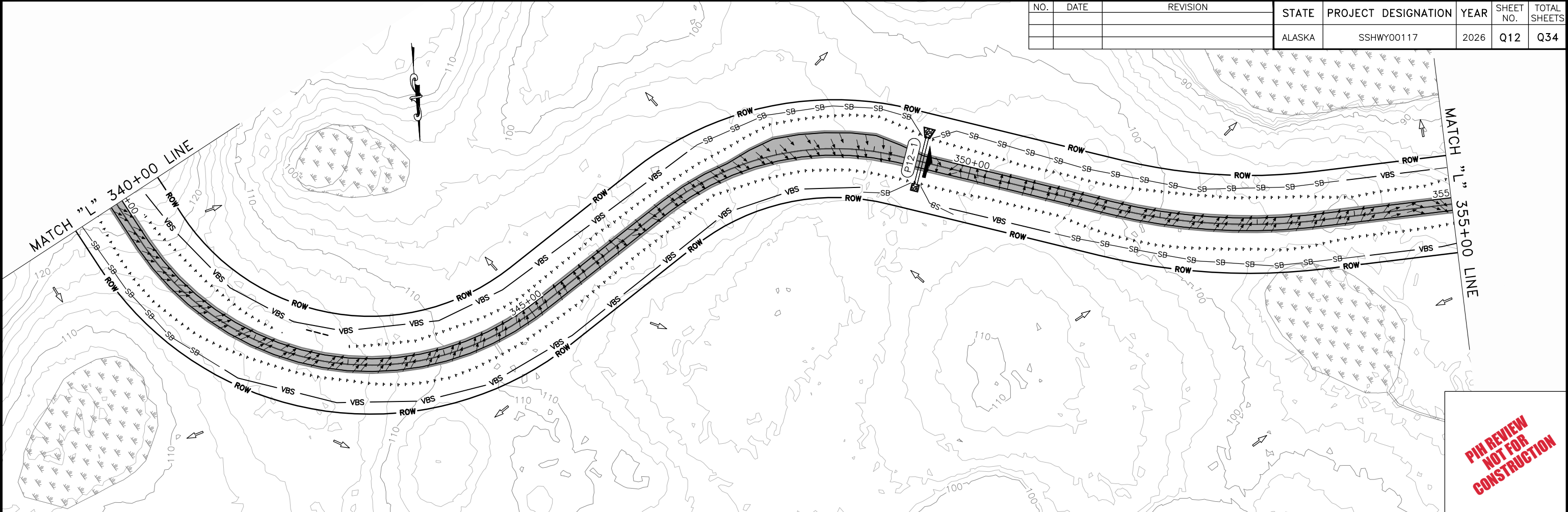
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			ALASKA	SSHWY00117	2026	Q11	Q34



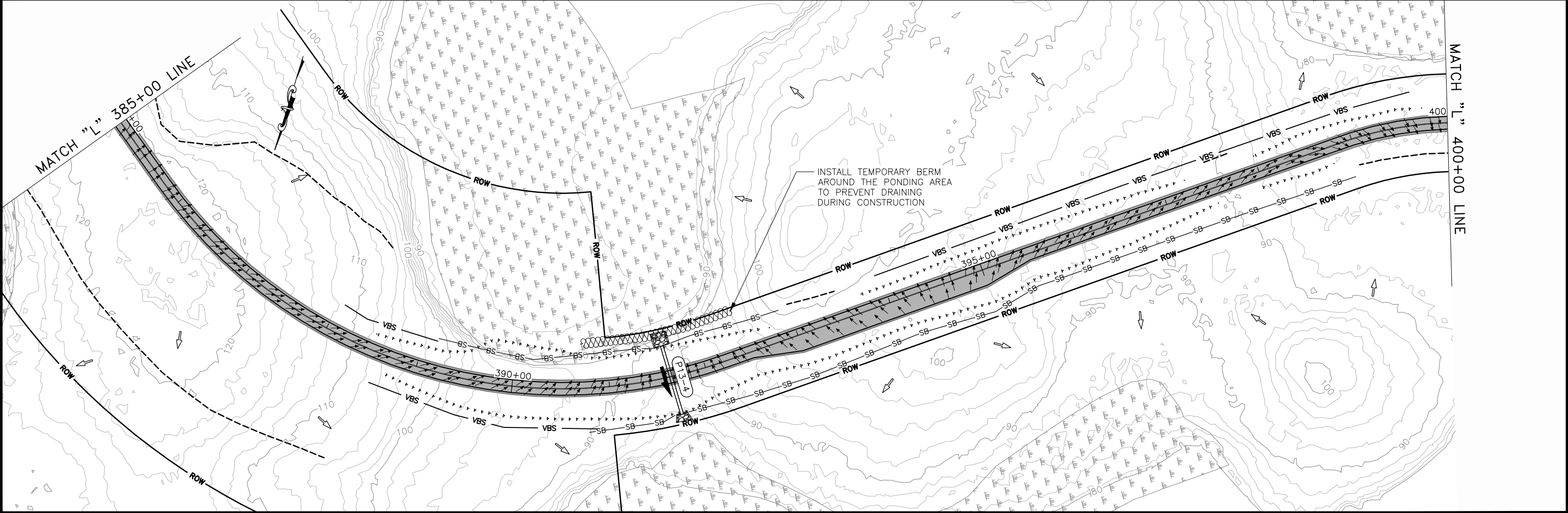
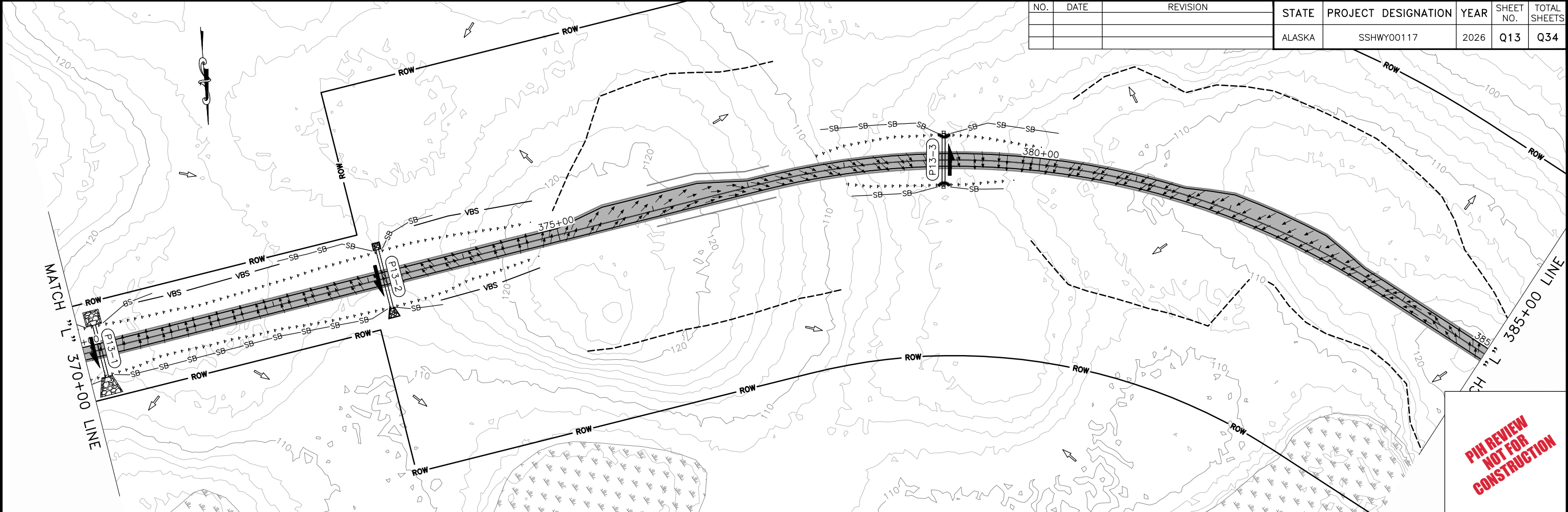
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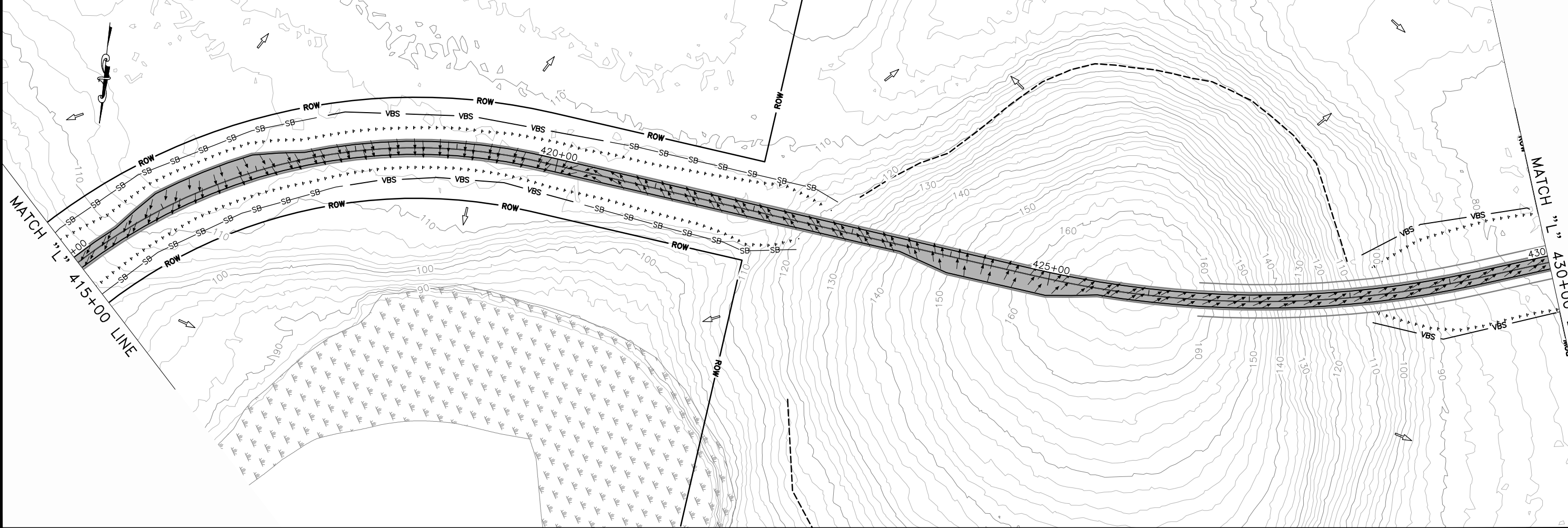
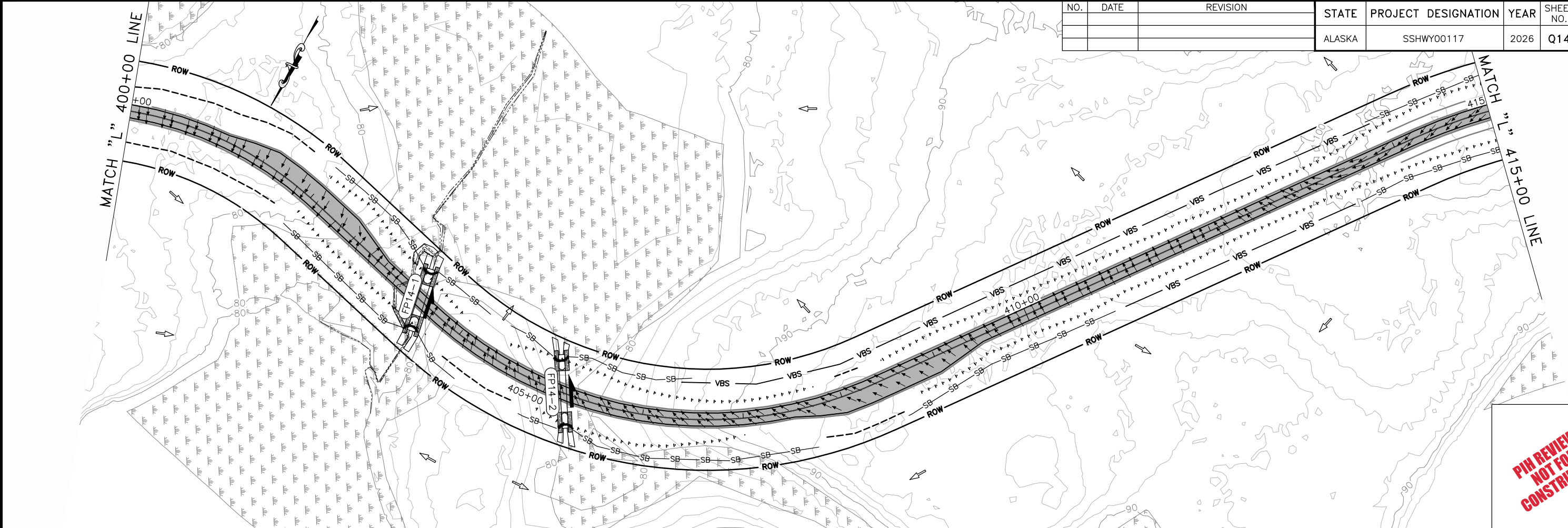
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			ALASKA	SSHXY00117	2026	Q12	Q34

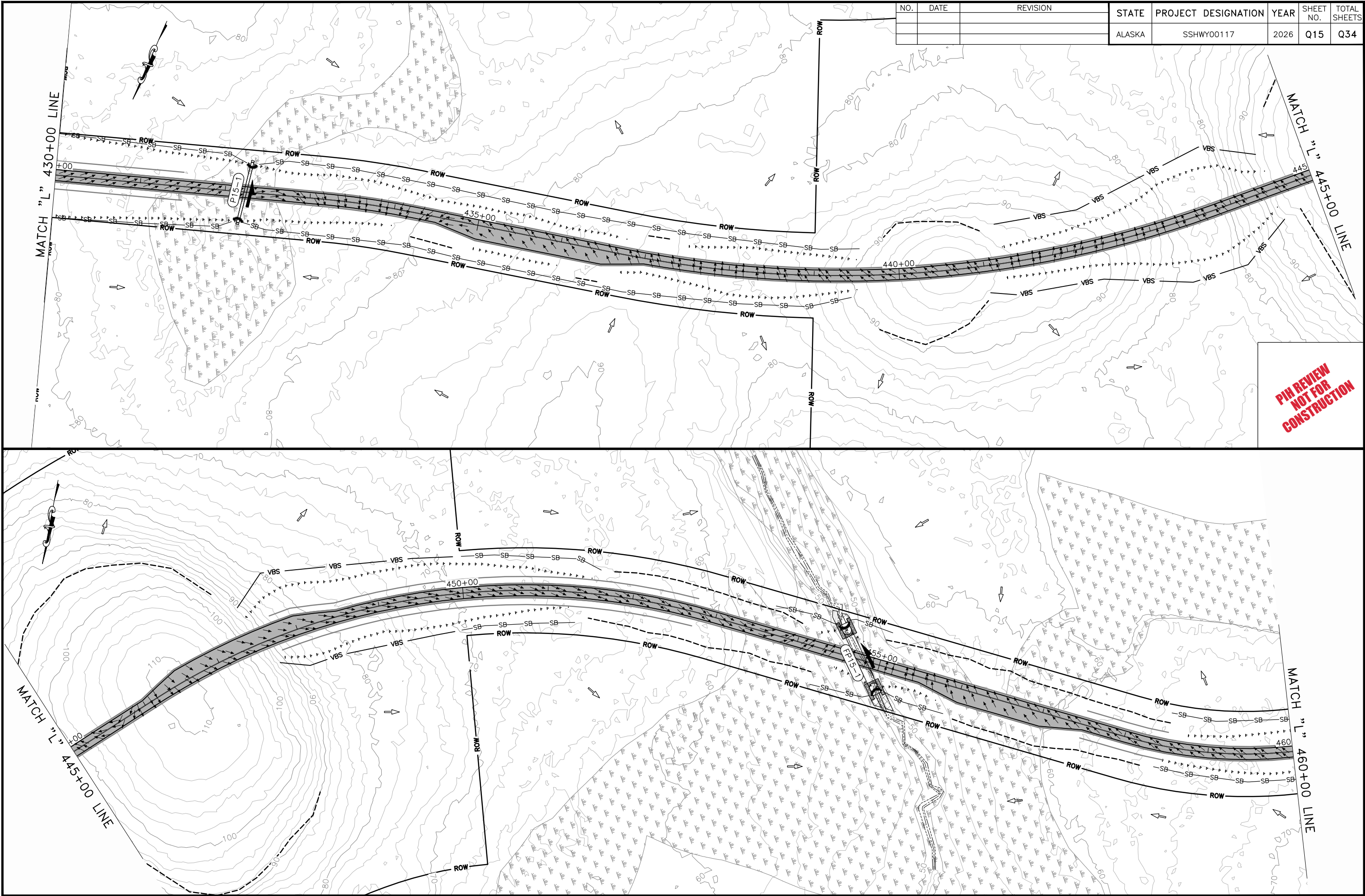


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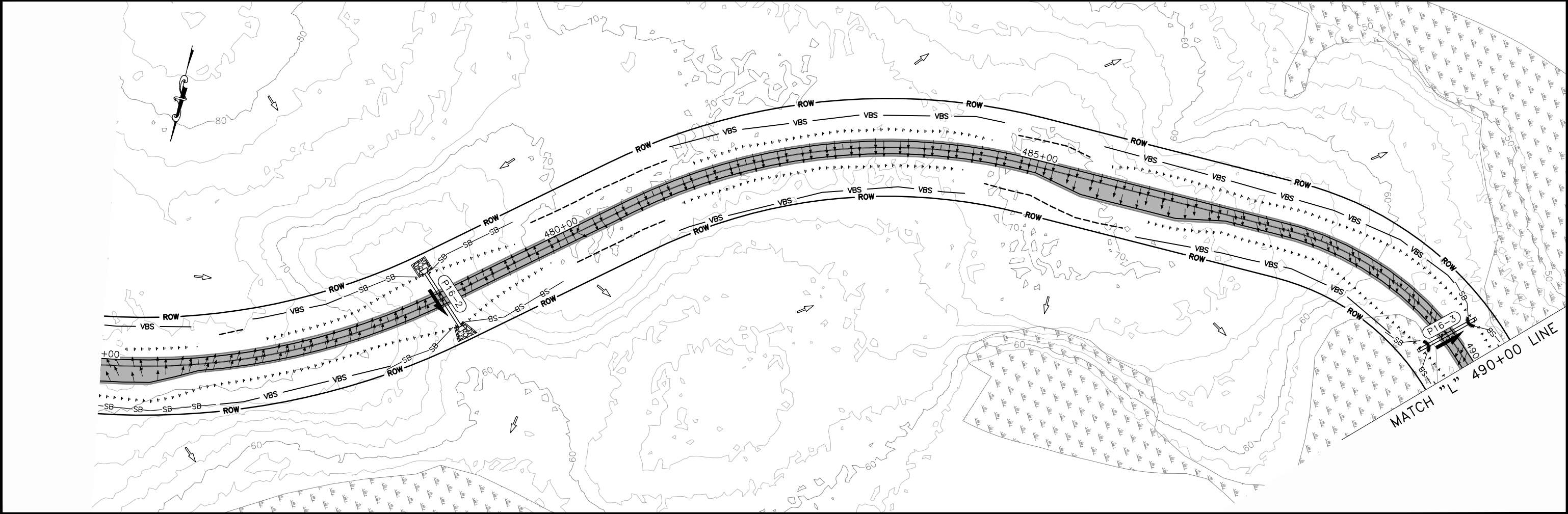
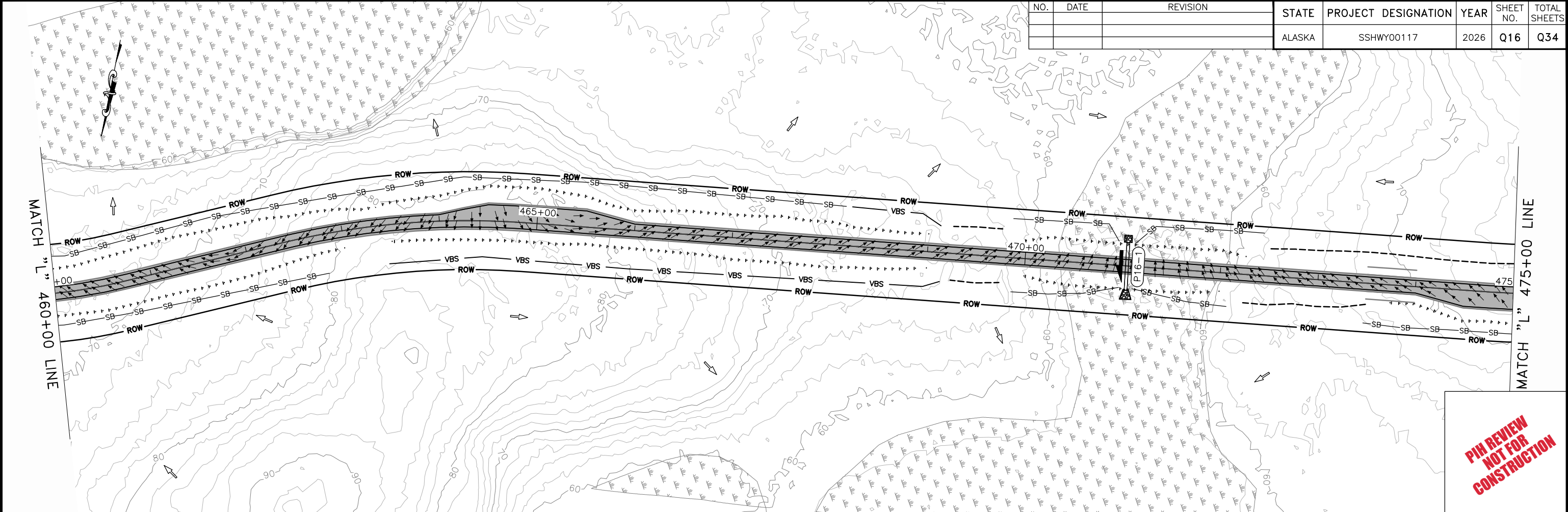
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			ALASKA	SSHXY00117	2026	Q14	Q34



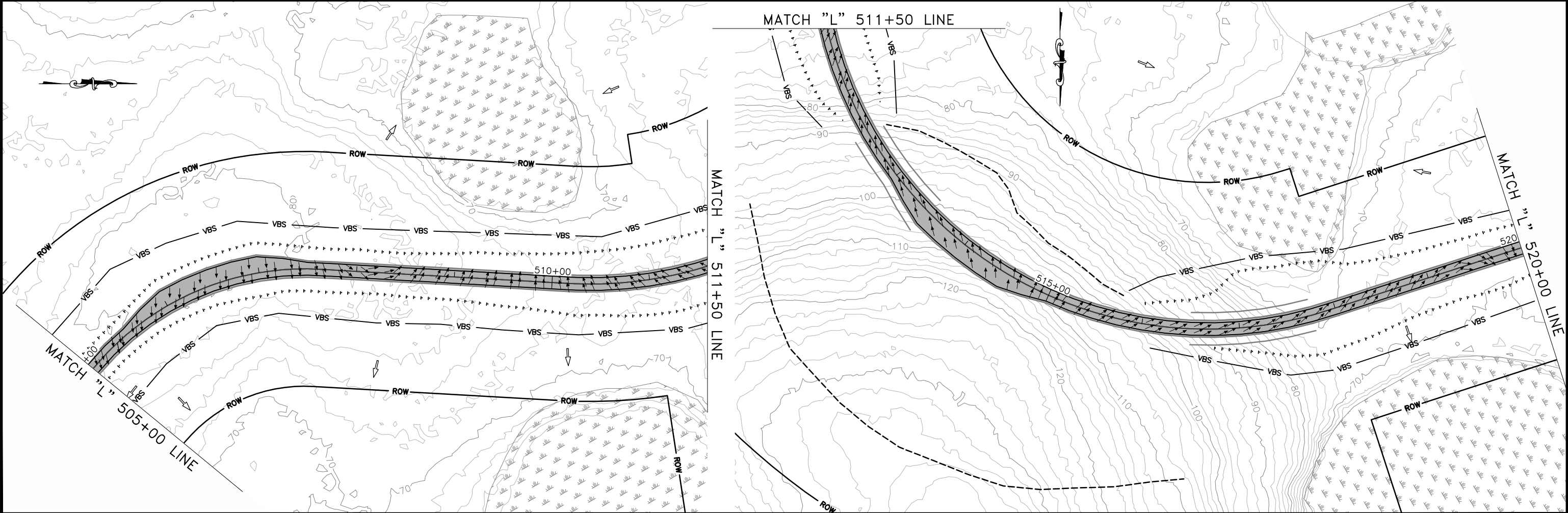
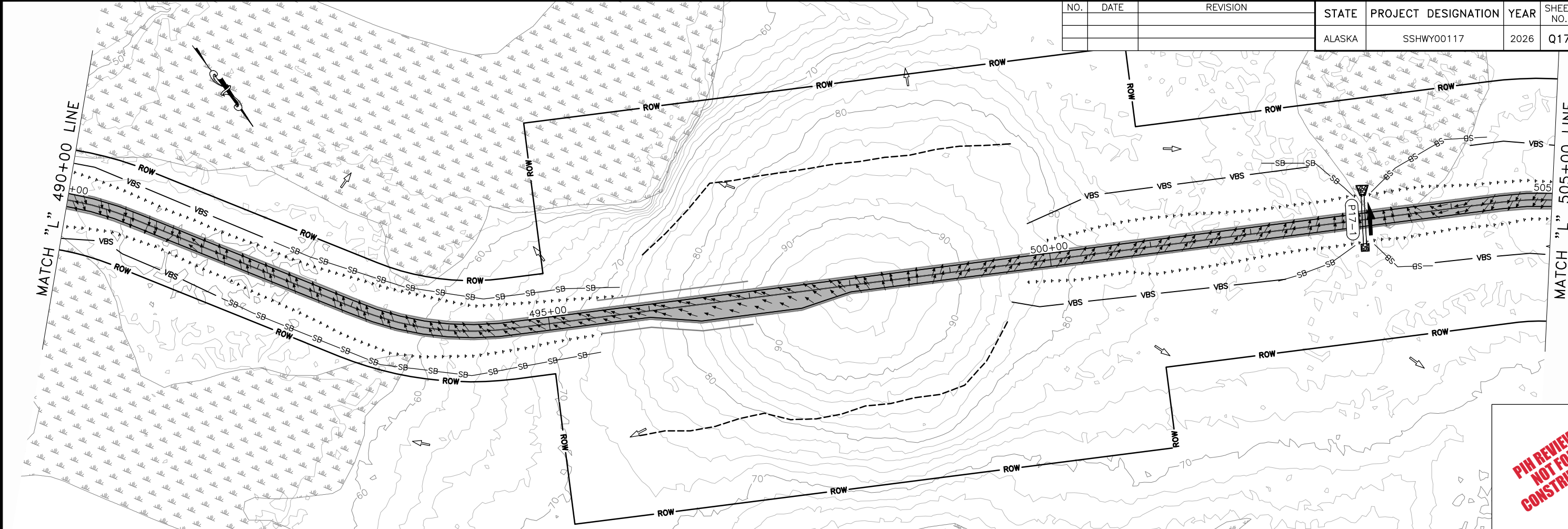


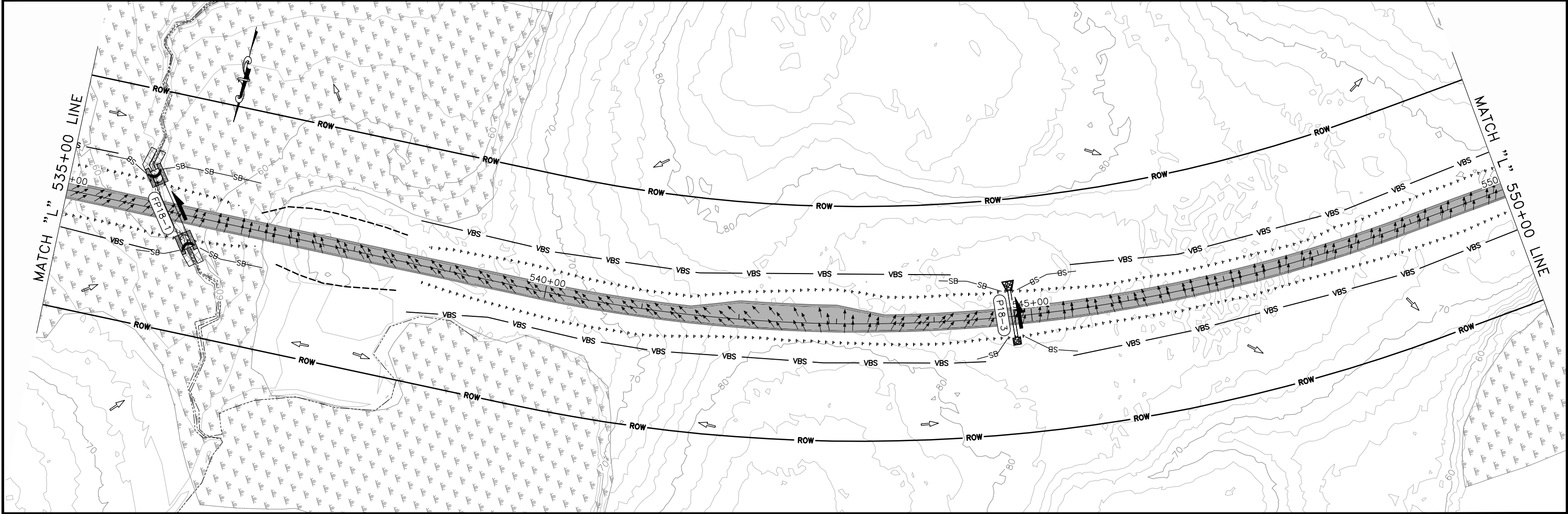
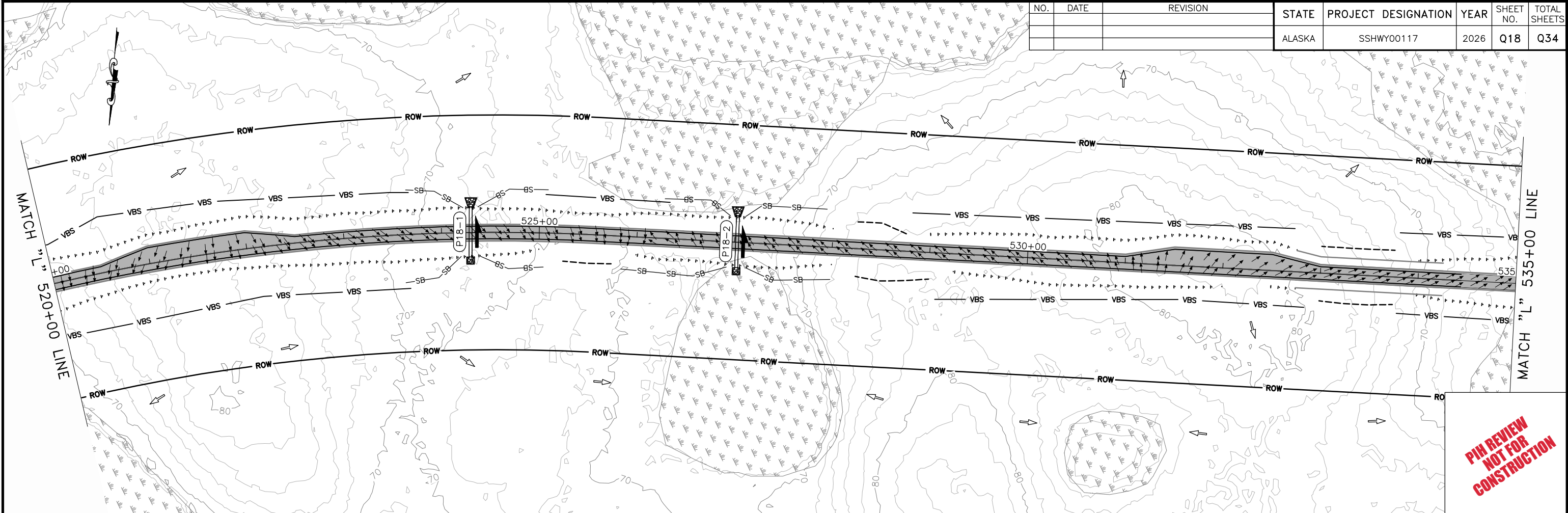
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			ALASKA	SSHXY00117	2026	Q15	Q34

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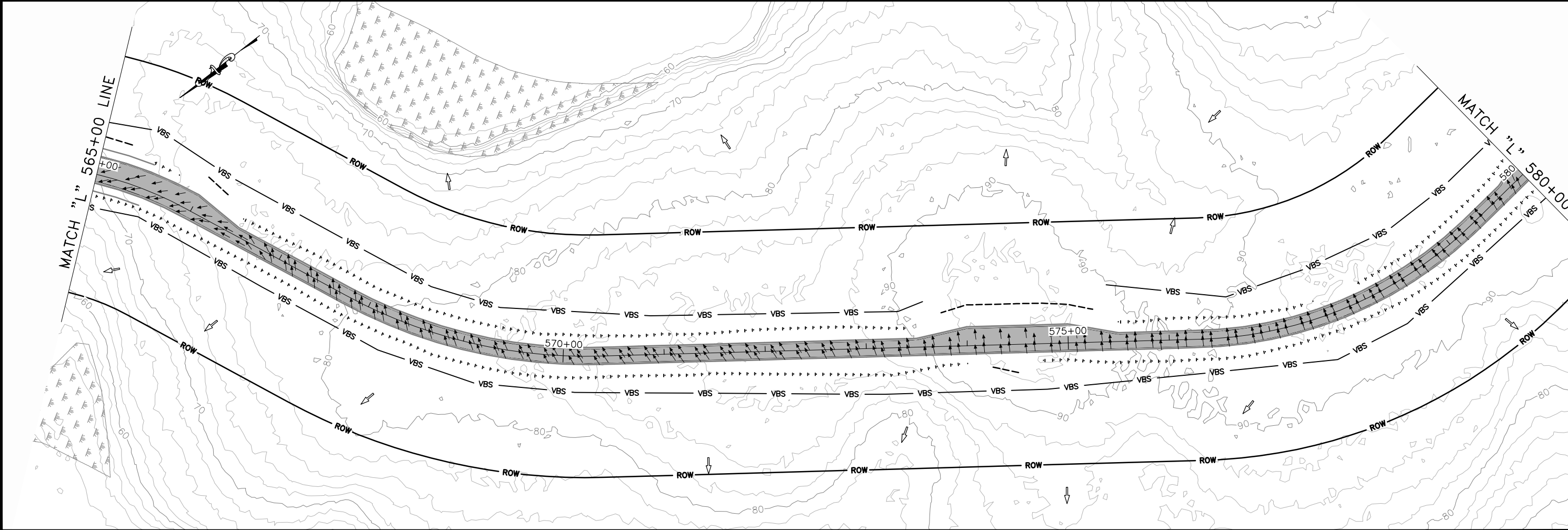
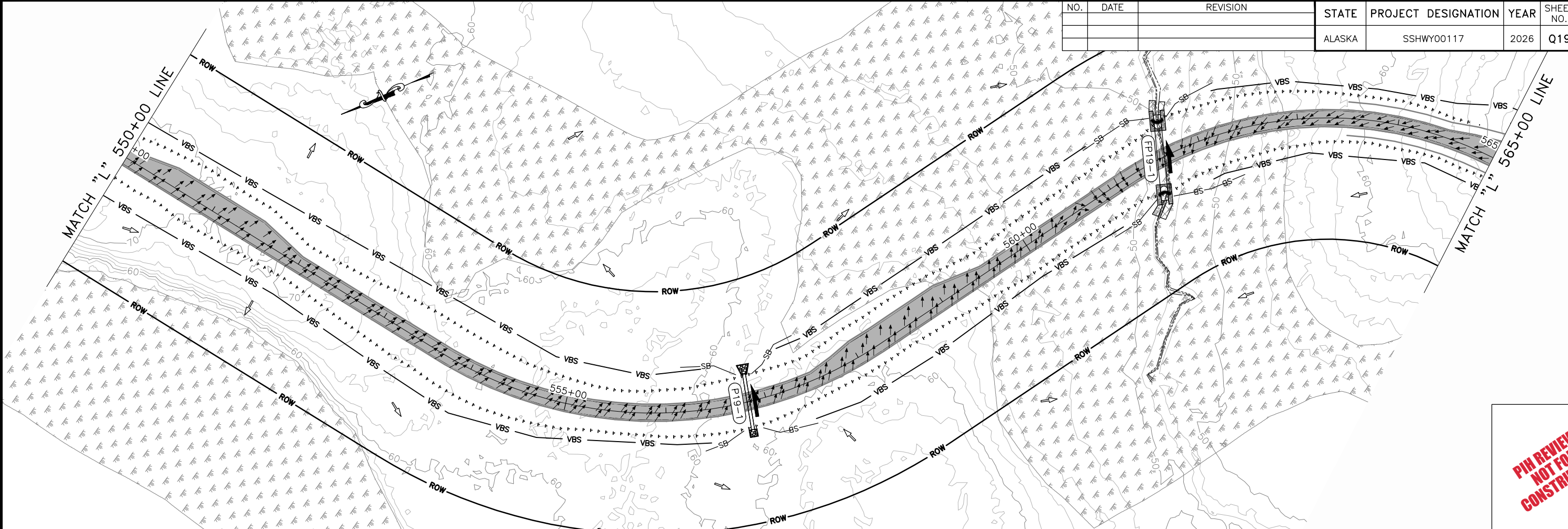


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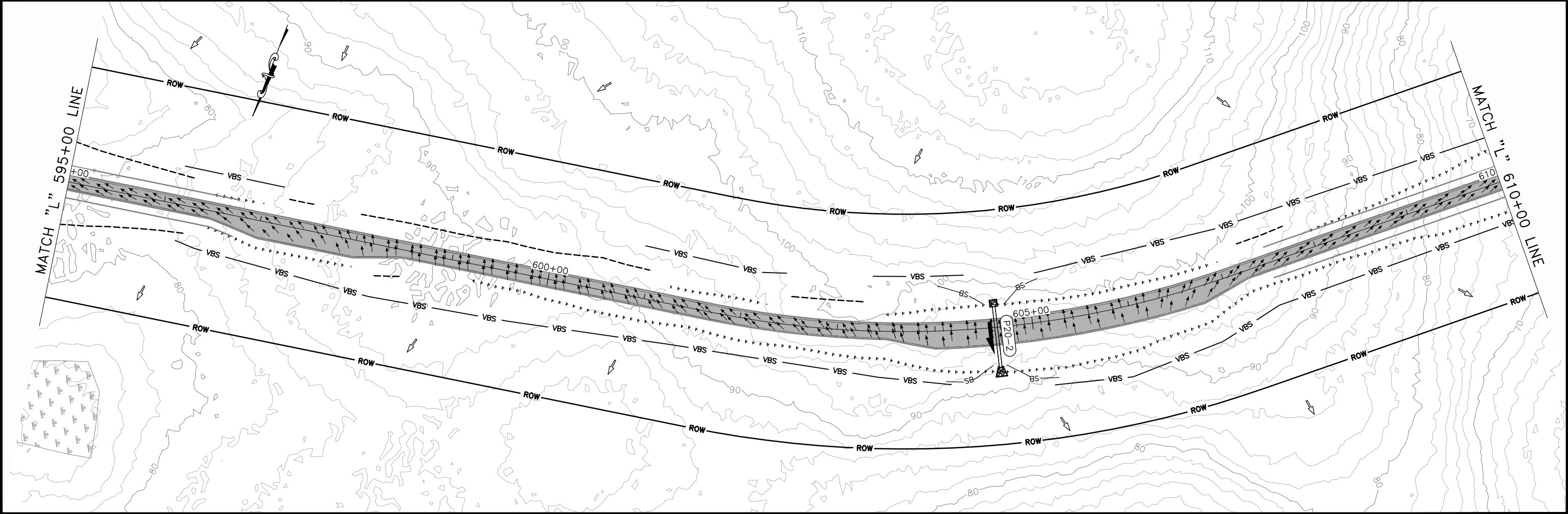


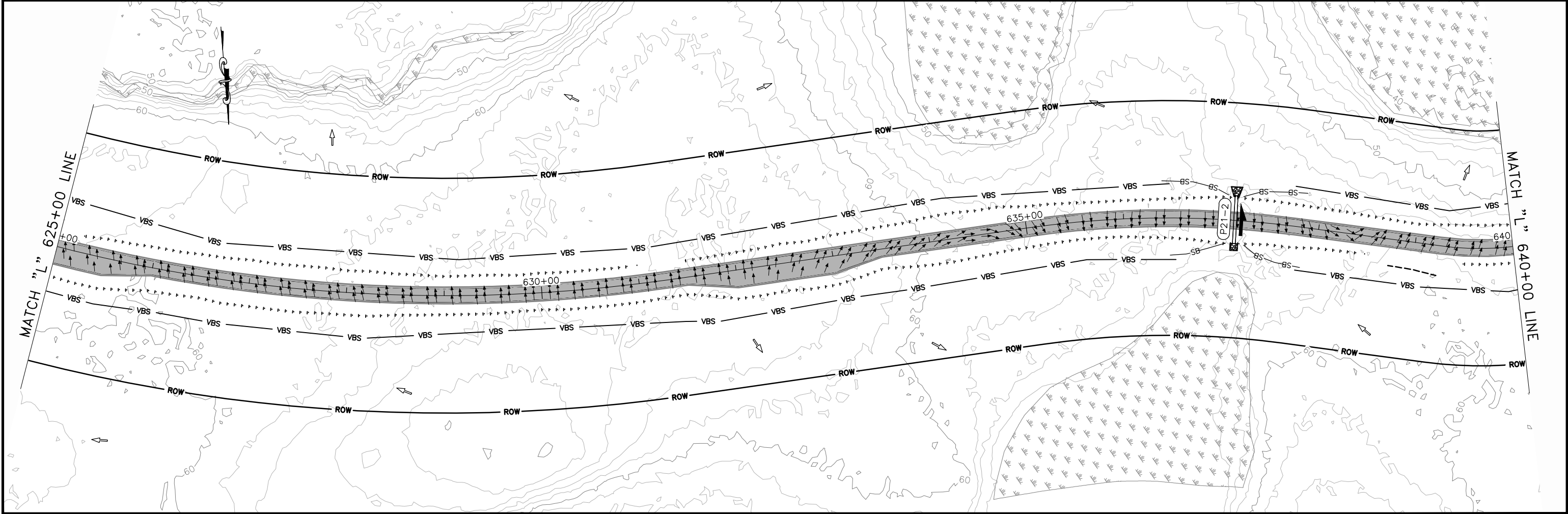
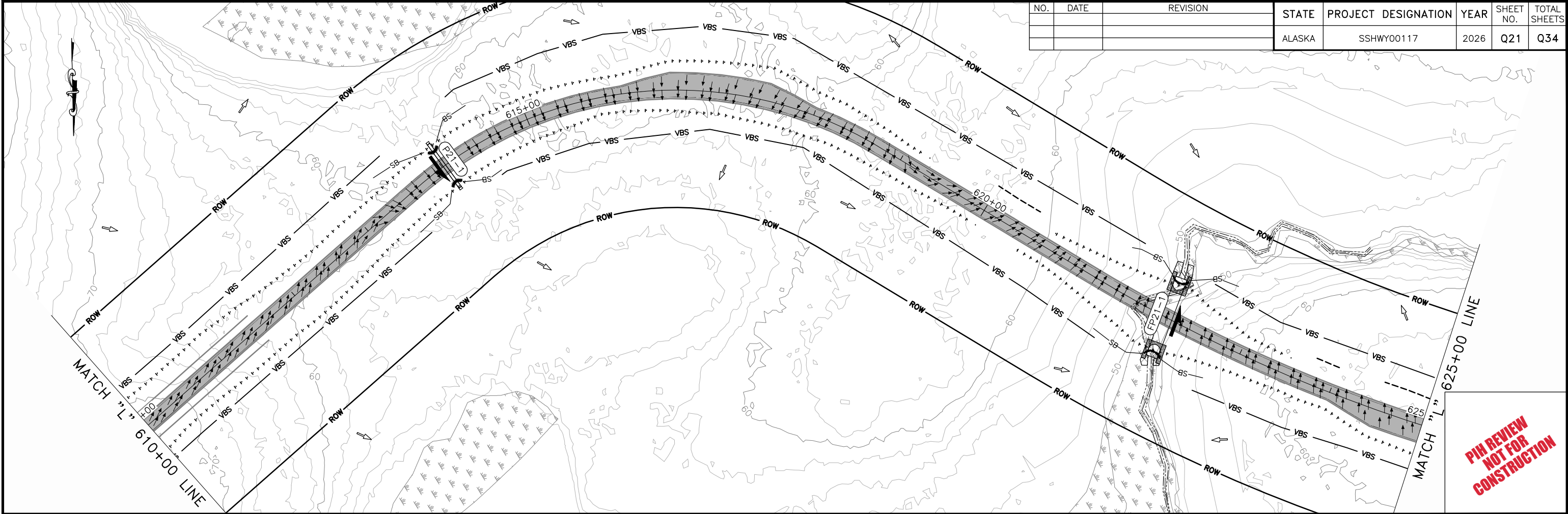


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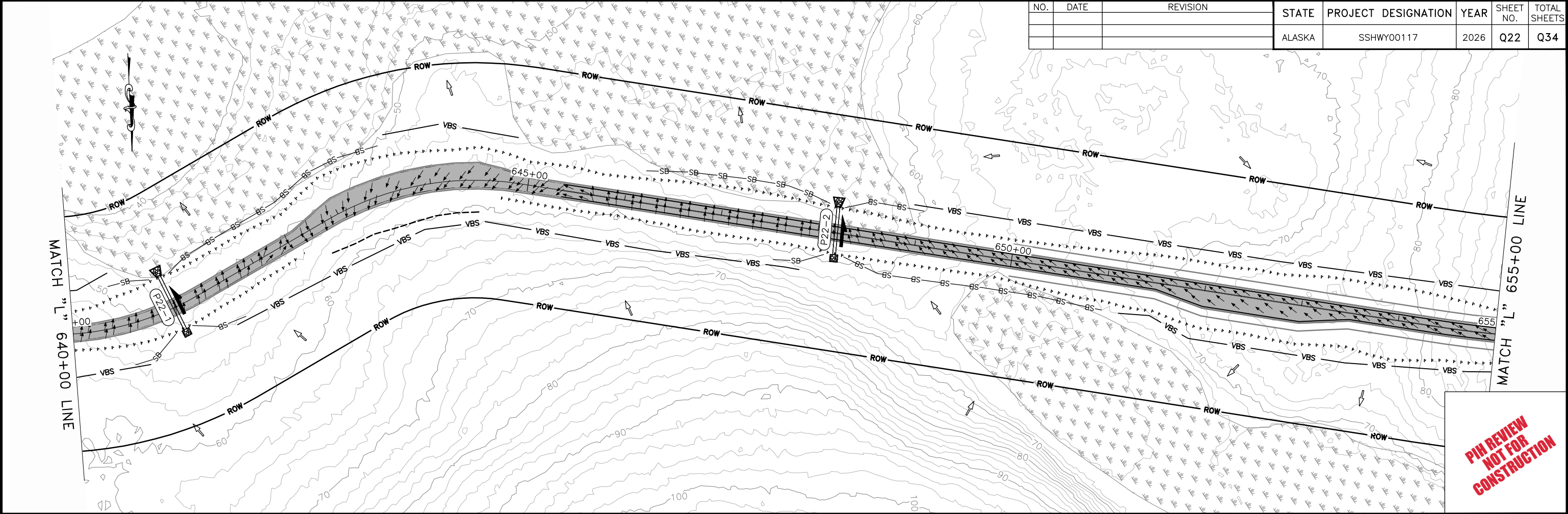


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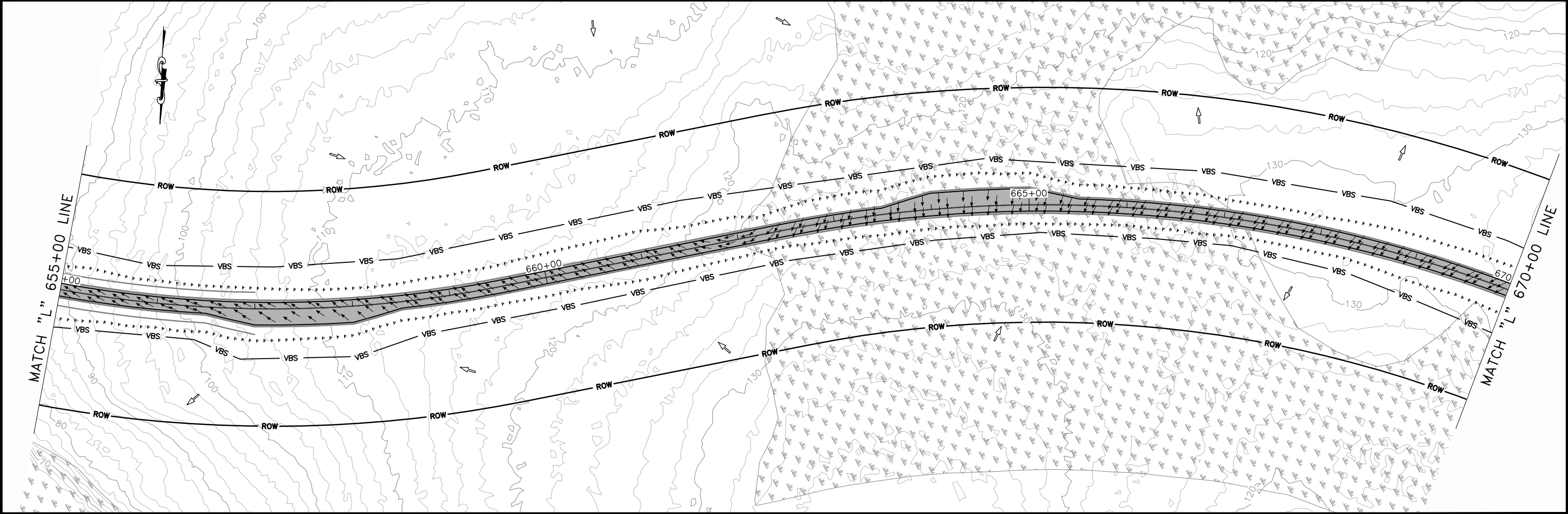




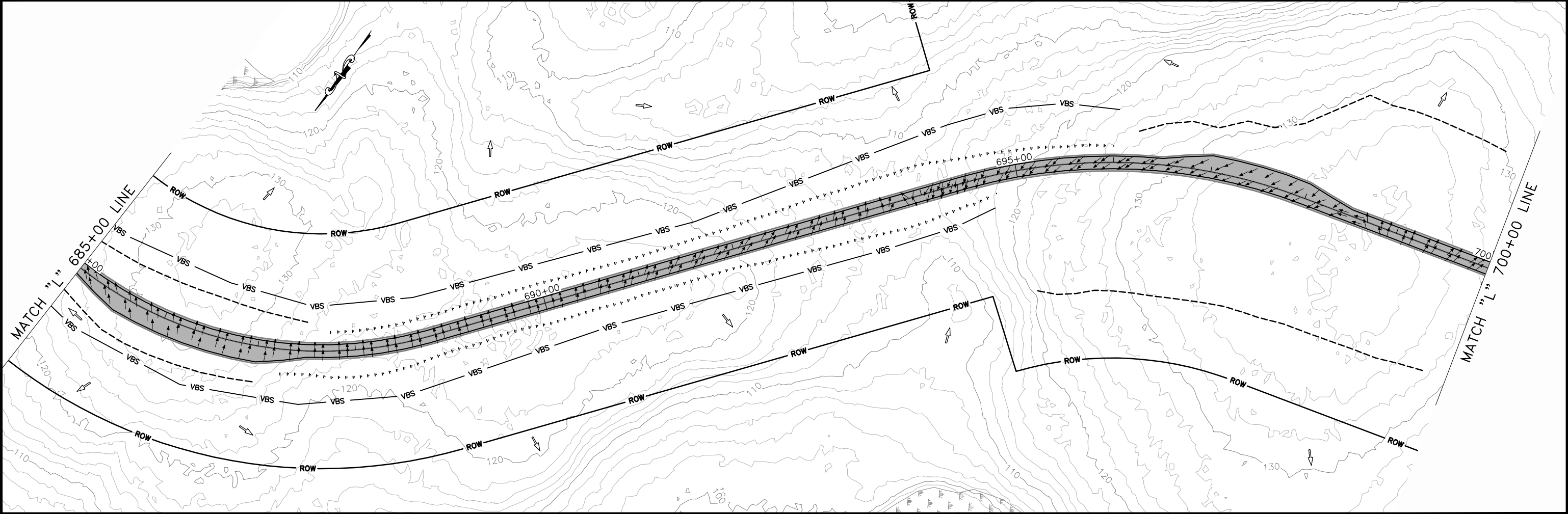
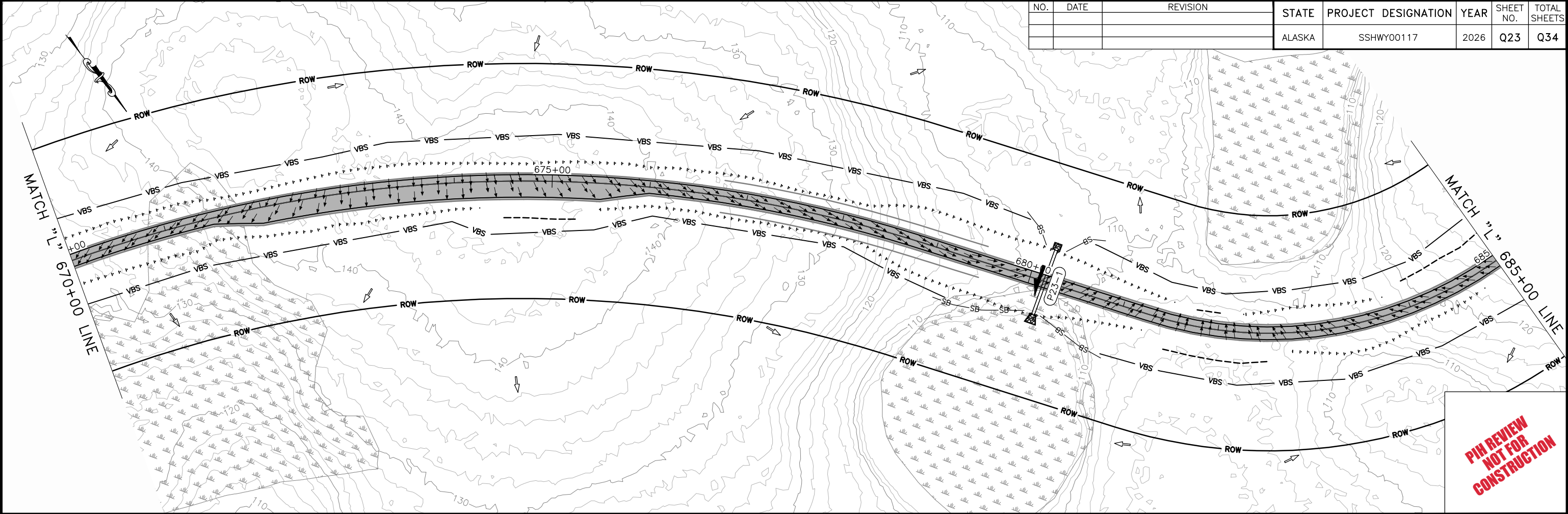
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			ALASKA	SSHWY00117	2026	Q22	Q34



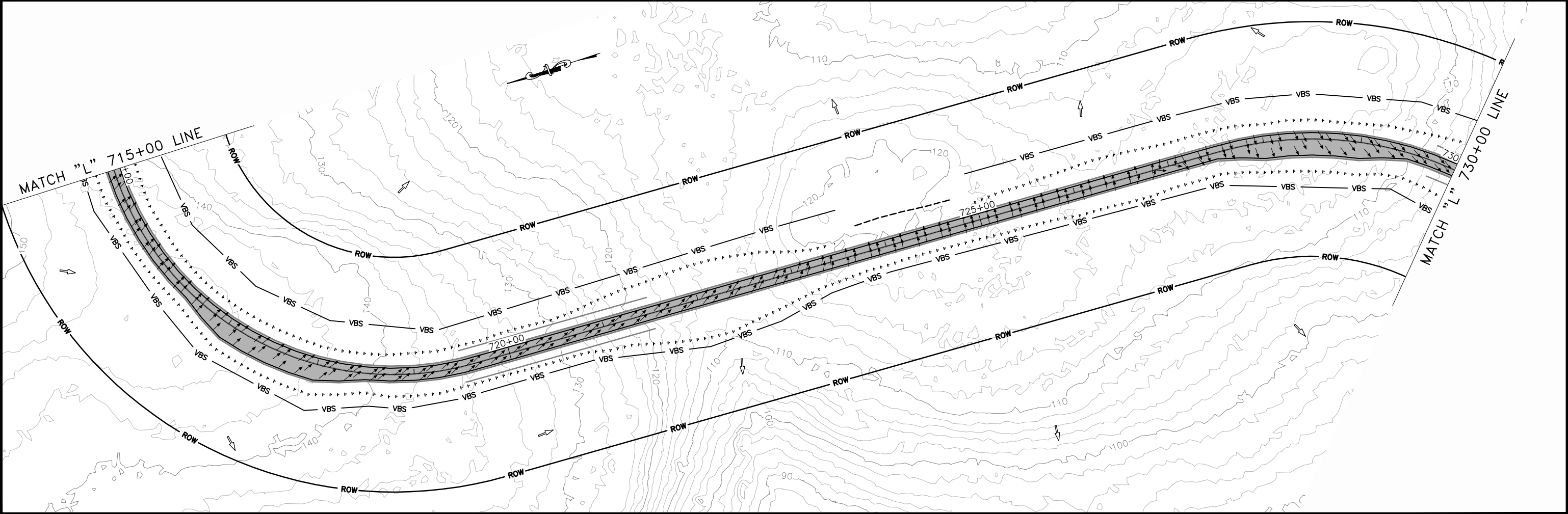
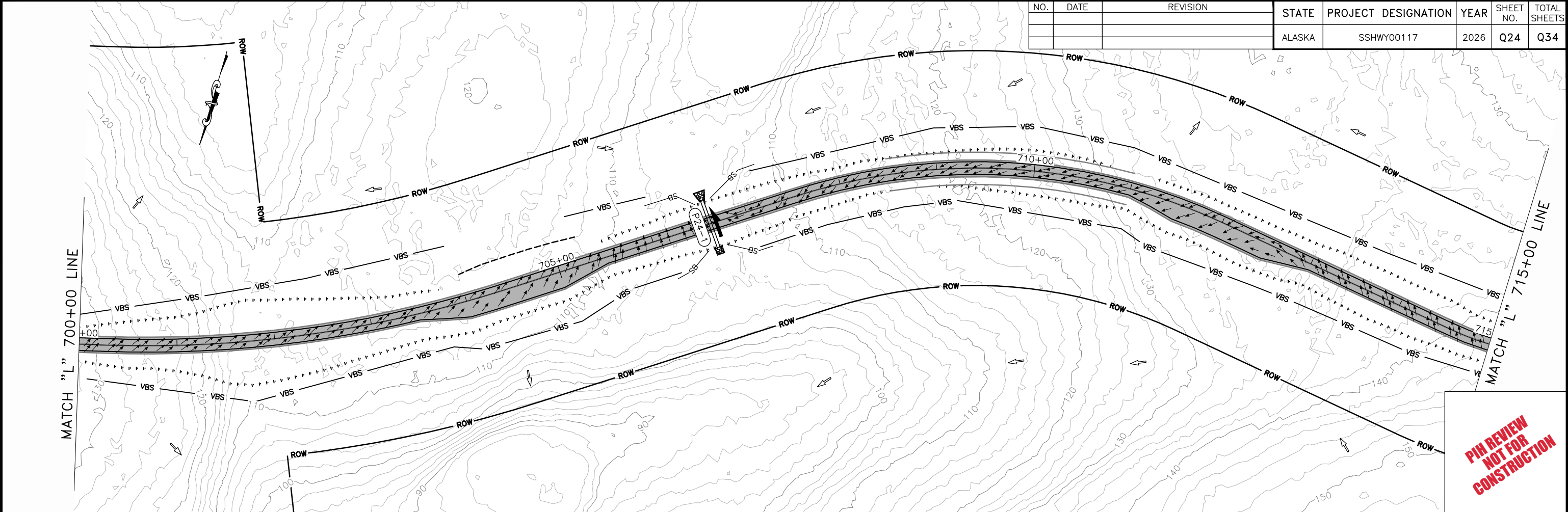
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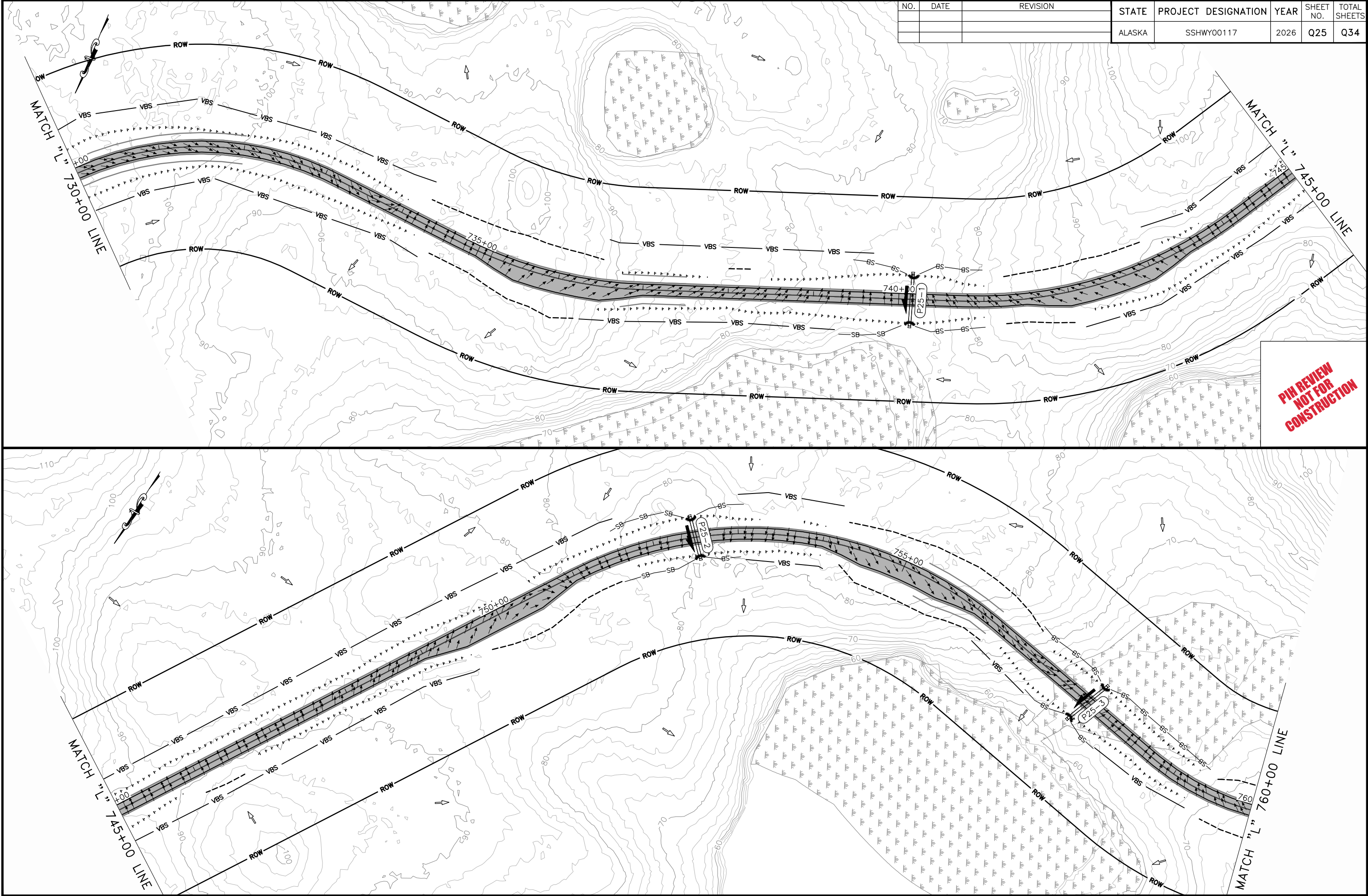
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			ALASKA	SSHWHY00117	2026	Q23	Q34

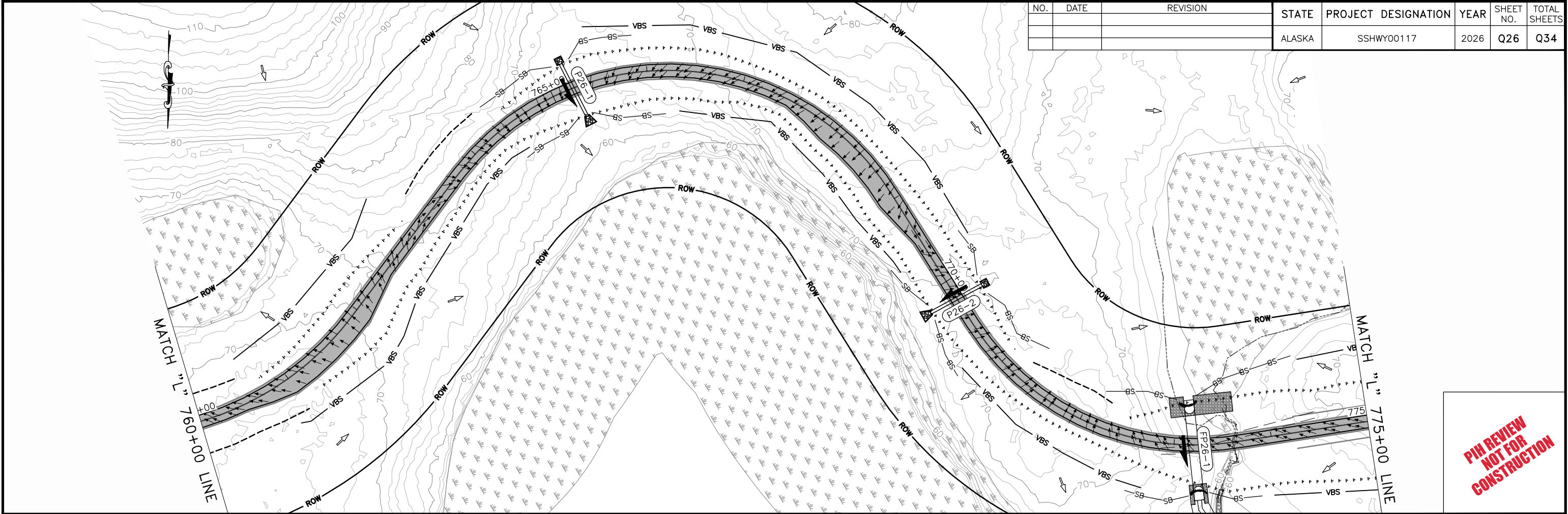


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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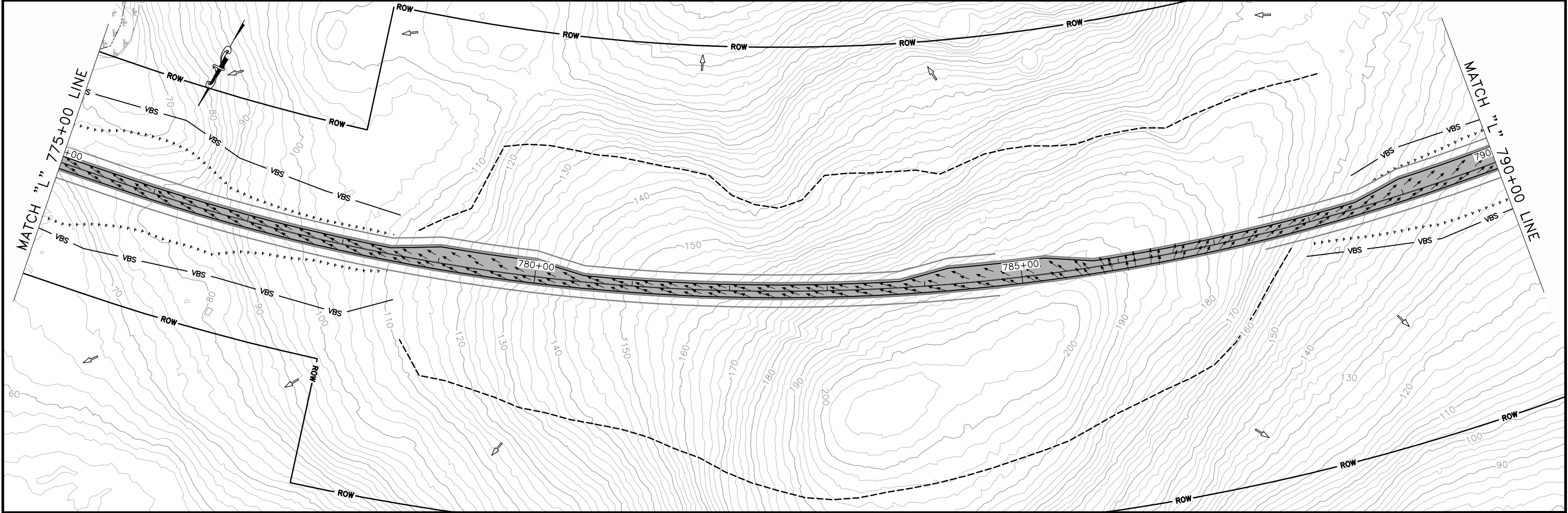
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			ALASKA	SSHWY00117	2026	Q25	Q34



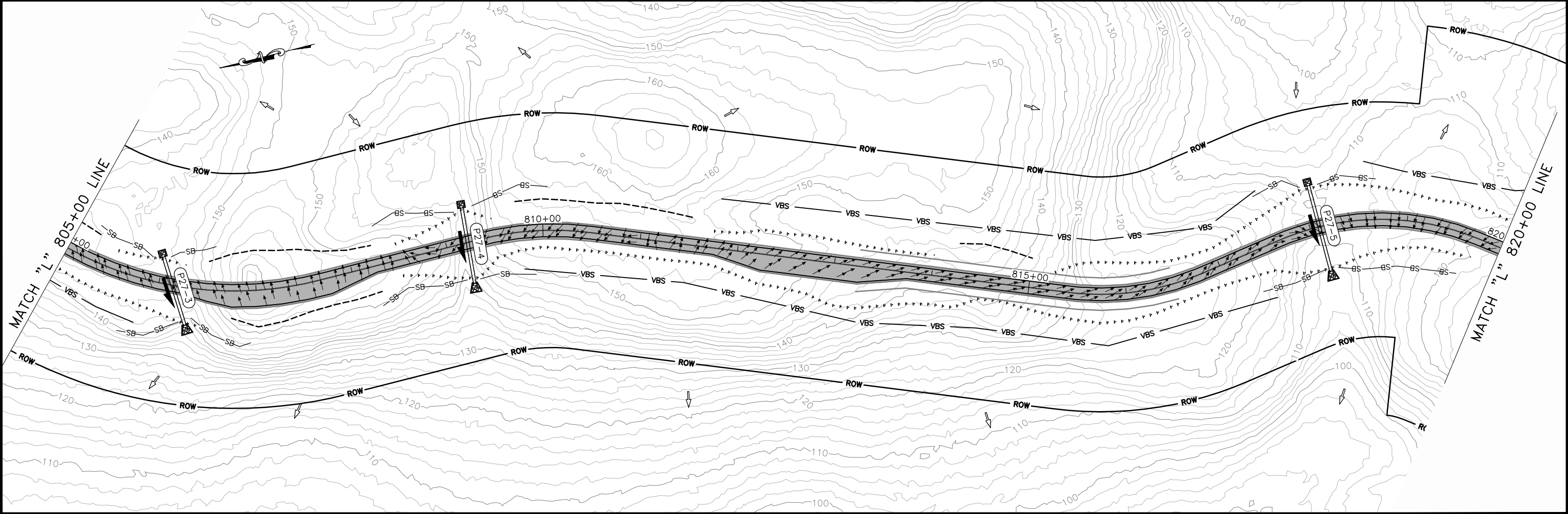
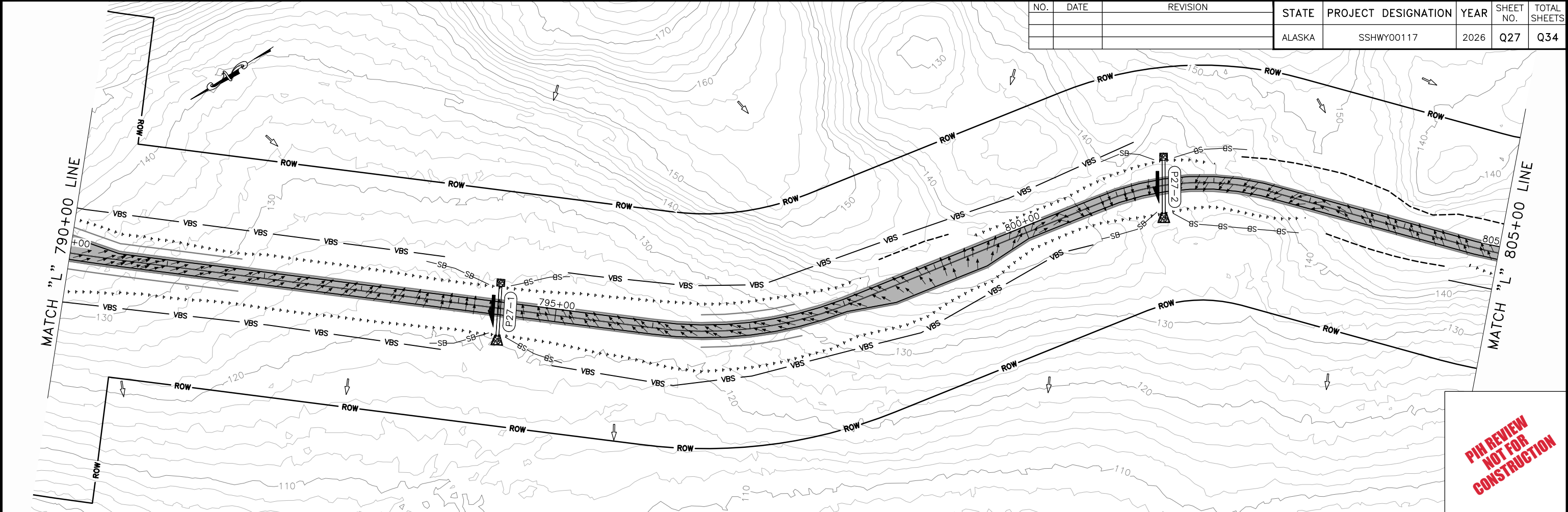


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			ALASKA	SSHWY00117	2026	Q26	Q34

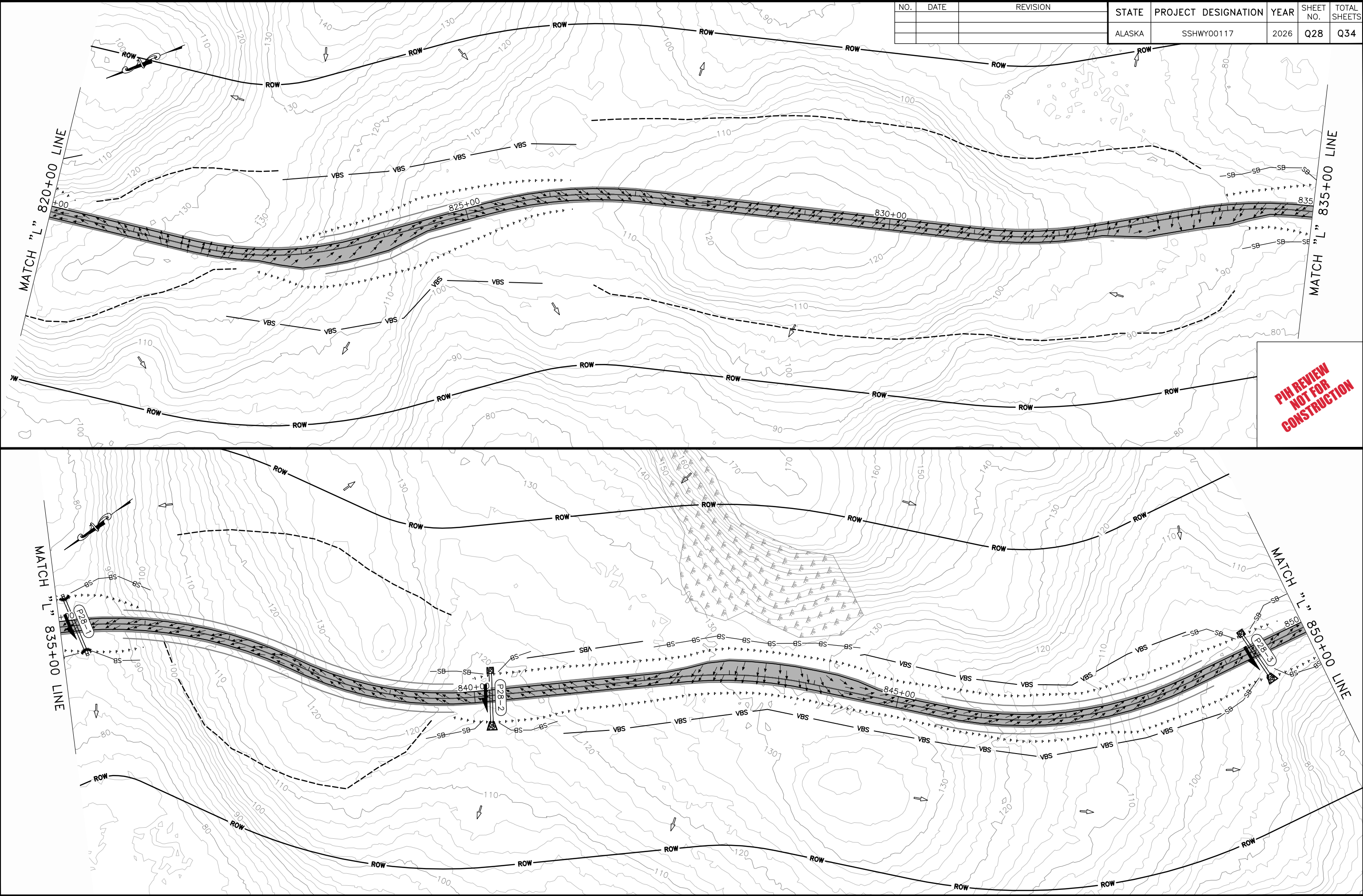
PIH REVIEW
NOT FOR
CONSTRUCTION



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	Q27	Q34

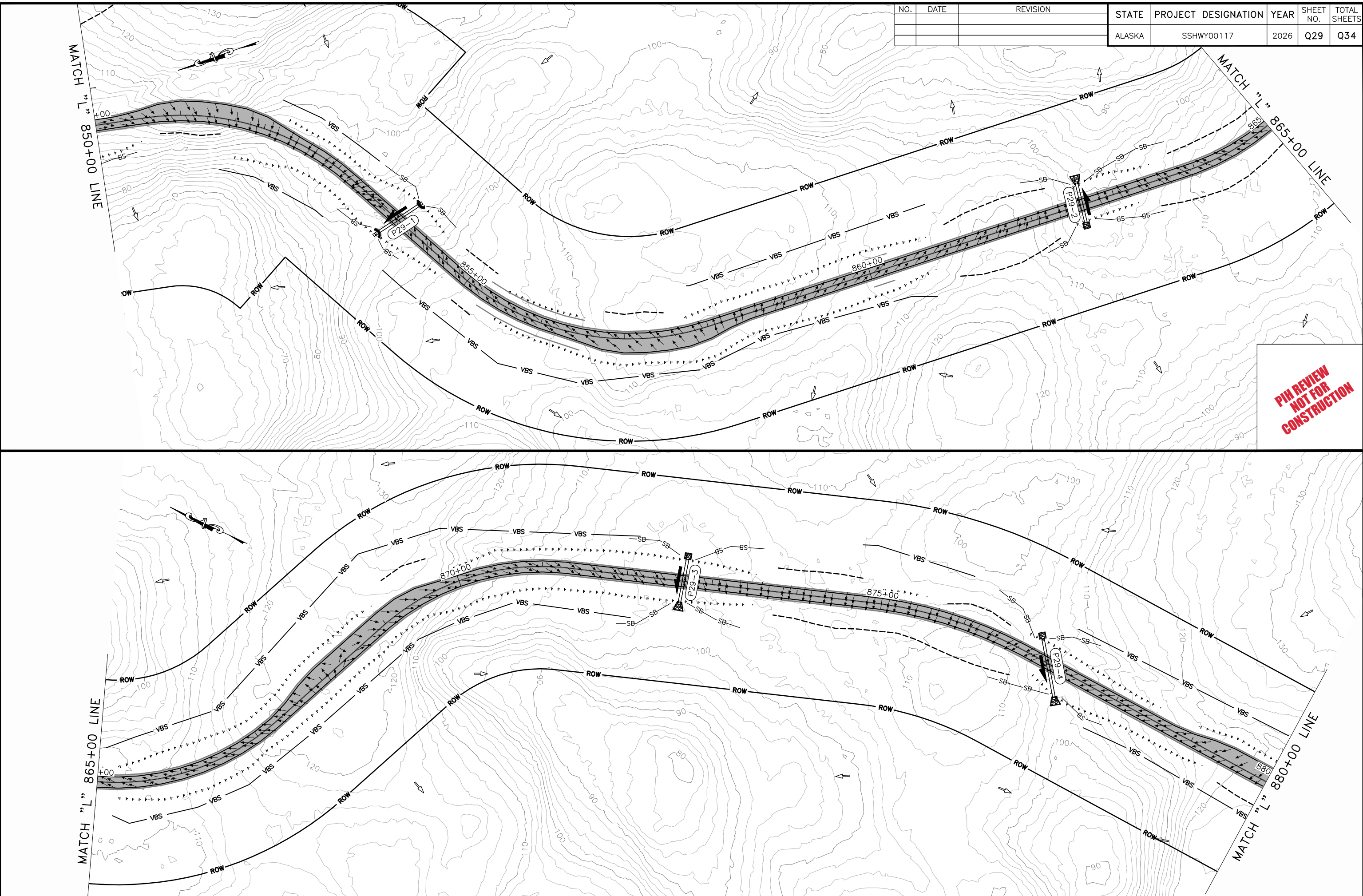


PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-Q-ESCP-Q28 Thu, Feb/19/26 03:33pm

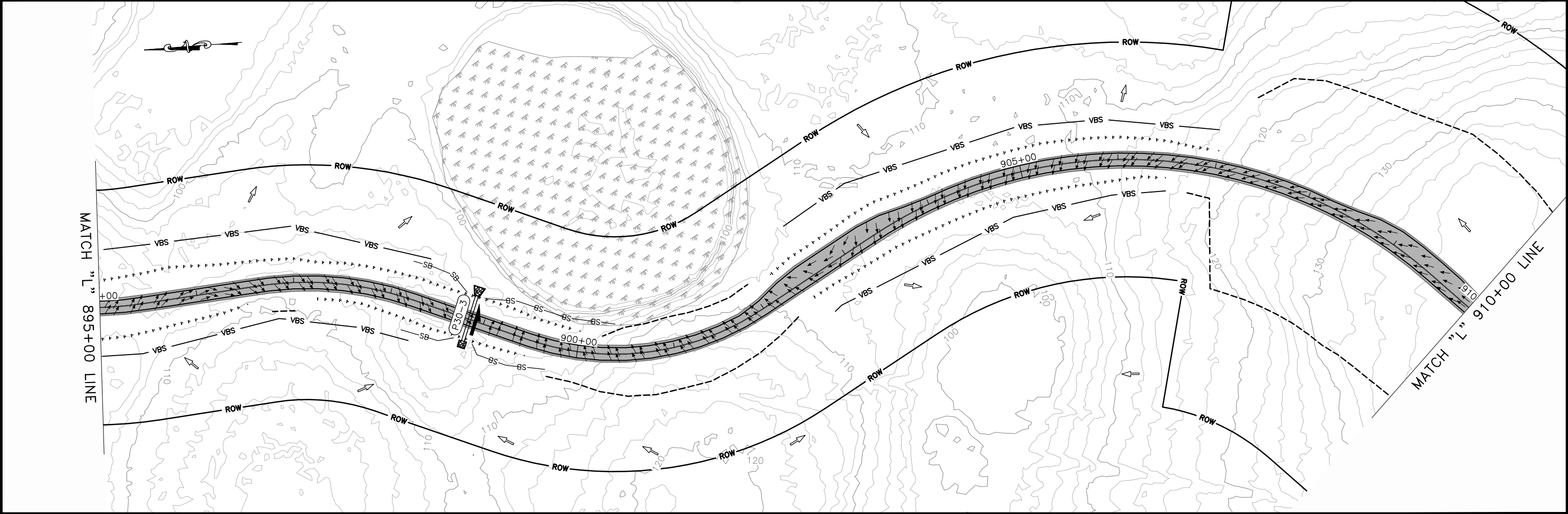
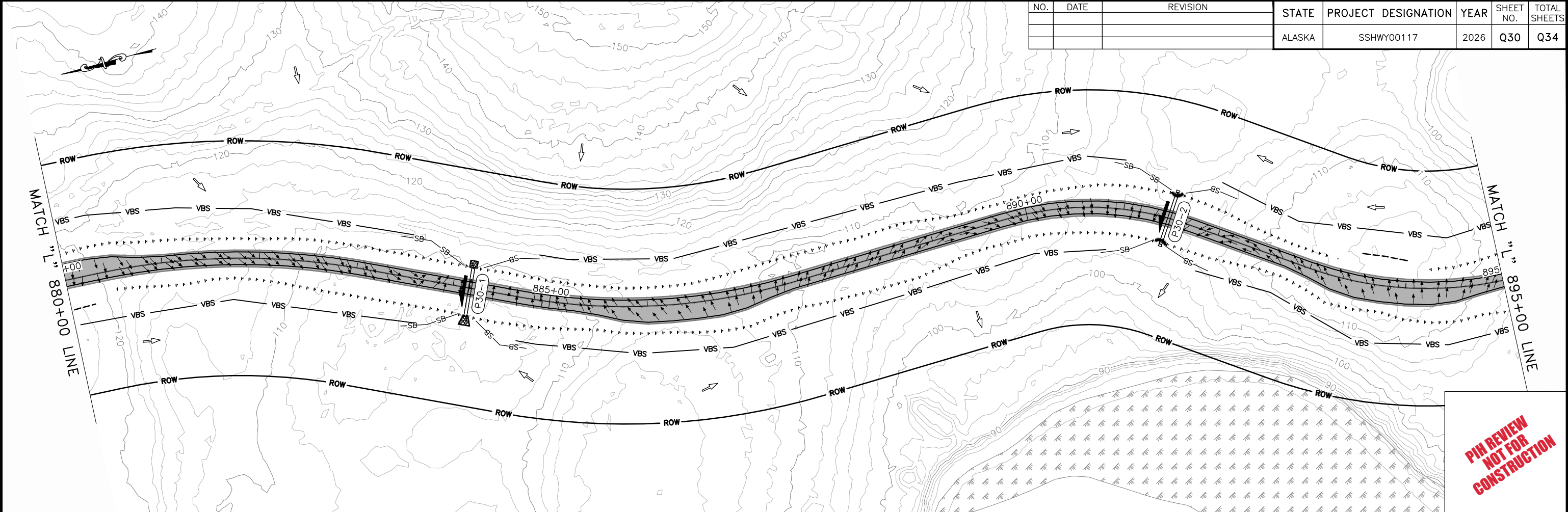


PLANS DEVELOPED BY: DOWL, 3030 VINTAGE BOULEVARD, SUITE 200, JUNEAU, AK 99801 (907) 780-3533
C:\dowl_pw\40432372\00117-Q-ESCP-Q29_Thu, Feb/19/26 03:33pm

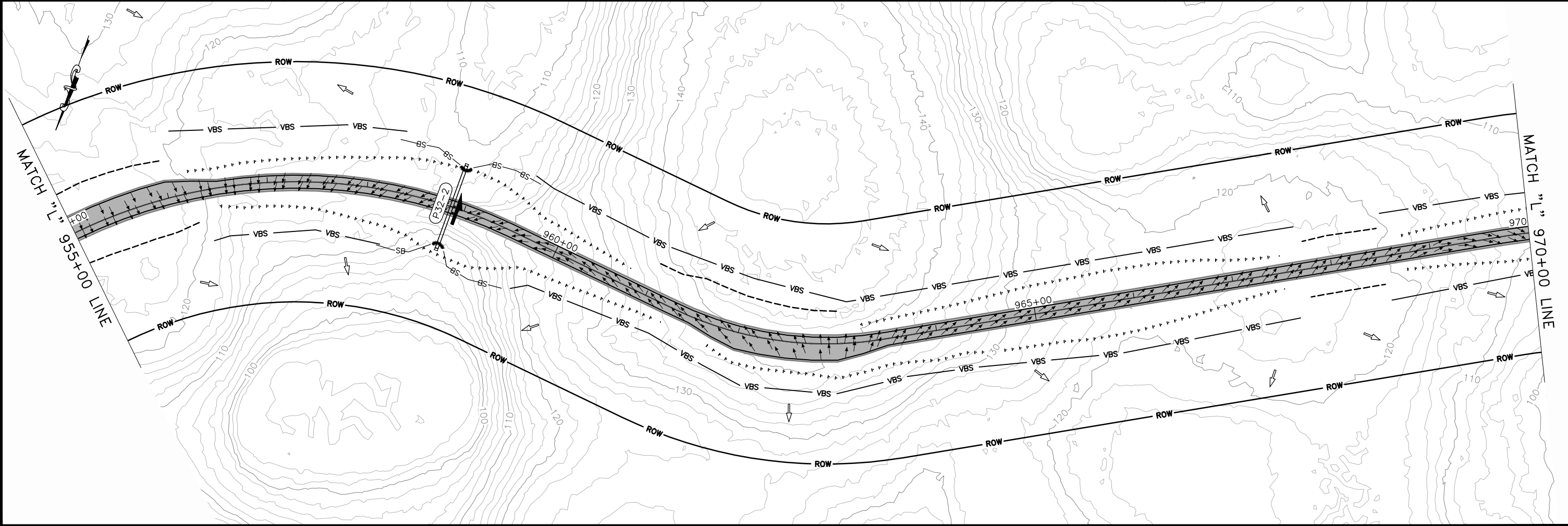
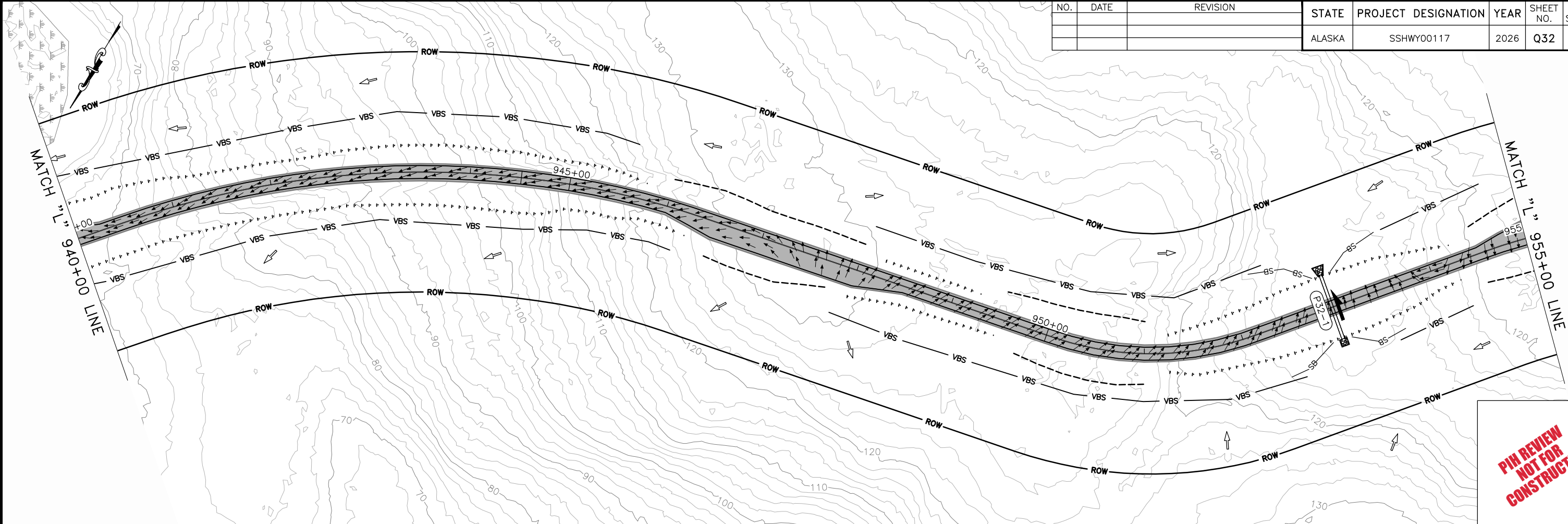
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			ALASKA	SSHWHY00117	2026	Q29	Q34

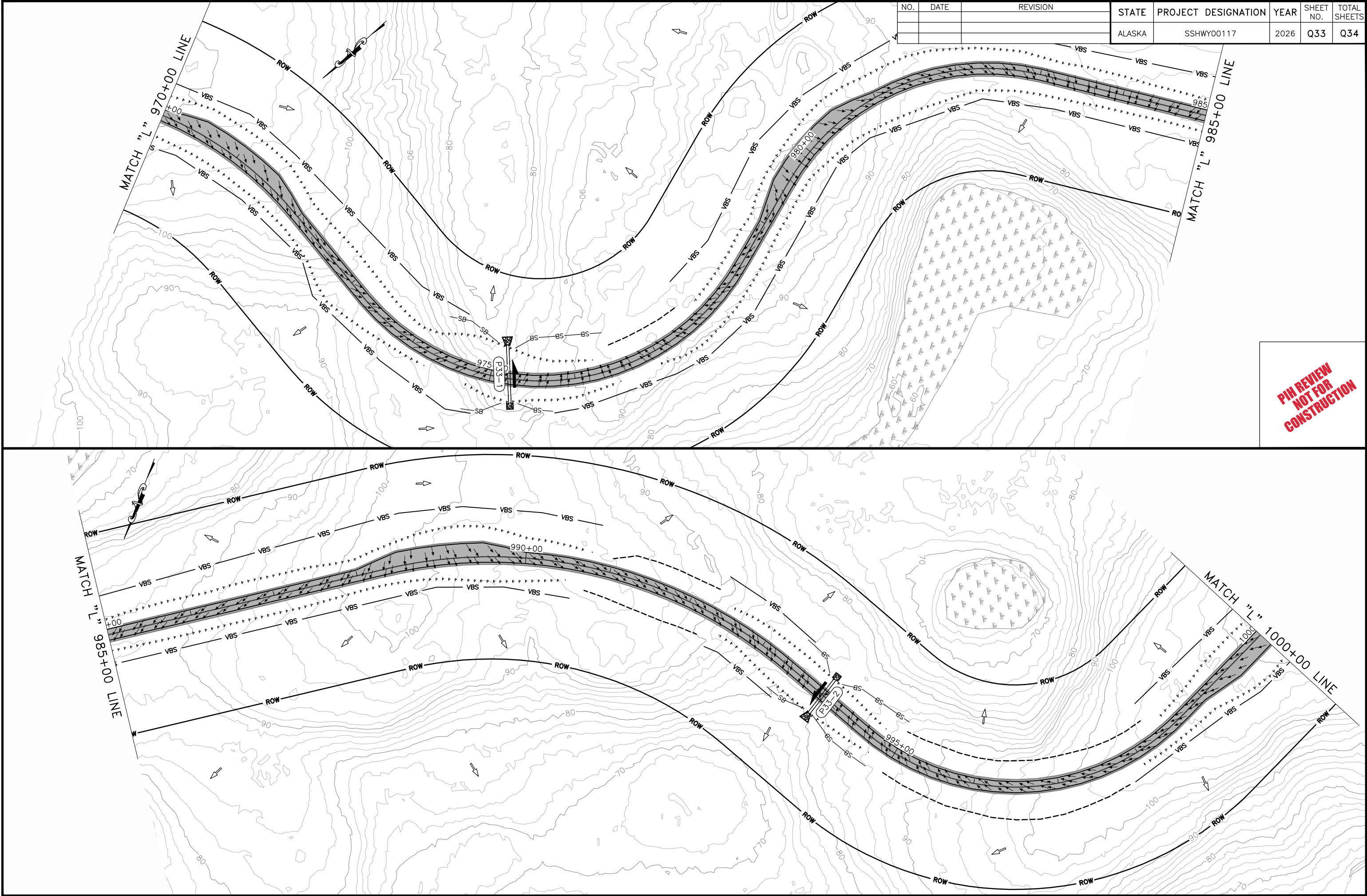


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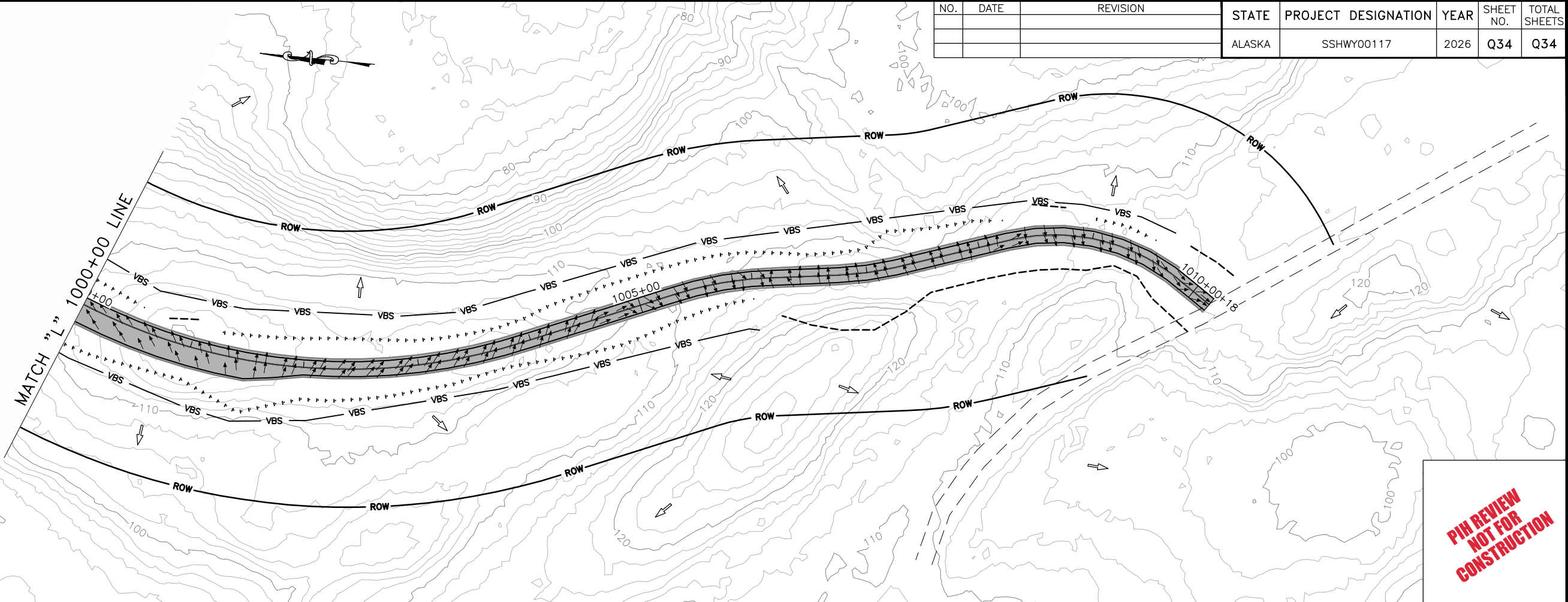


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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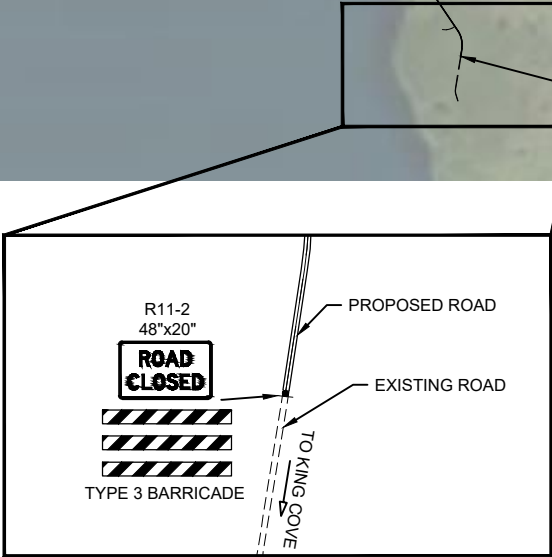
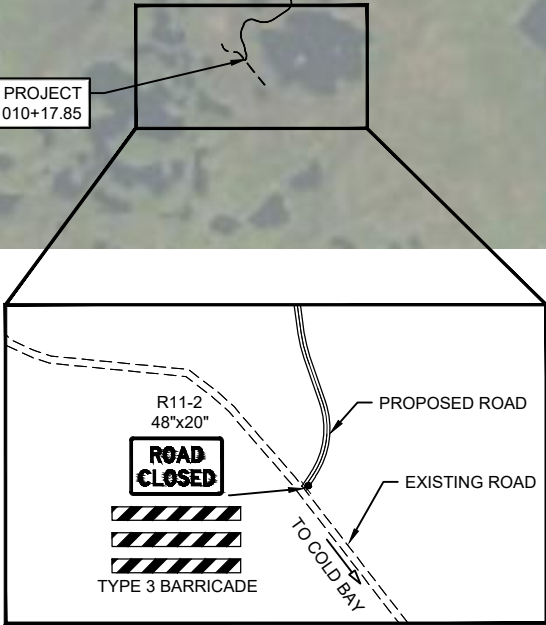




NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHXY00117	2026	Q34	Q34



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SSHWHY00117	2026	T1	T1



TRAFFIC CONTROL NOTES:

1. THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) IS TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL (ATM), ALASKA STANDARD PLAN C-06.00 AND SUBMITTED TO THE ENGINEER FOR APPROVAL PER SUBSECTION 643-1.03.
2. PROVIDE PUBLIC NOTICE TO LOCAL OFFICIALS AND TRANSPORTATION ORGANIZATIONS AS SPECIFIED IN SECTION 643.

PLANS DEVELOPED BY:
DOWL
3030 VINTAGE BLVD,
SUITE 200
JUNEAU, AK 99801
(907) 780-3533
CERT. OF AUTH. #
AECL848

TCP NOT SEALED IN
ACCORDANCE WITH
ALASKA HIGHWAY
PRECONSTRUCTION
MANUAL SECTION
1400.3.4 DATED
SEPTEMBER 2, 2022

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KING COVE TO COLD BAY ROAD

TRAFFIC CONTROL PLAN