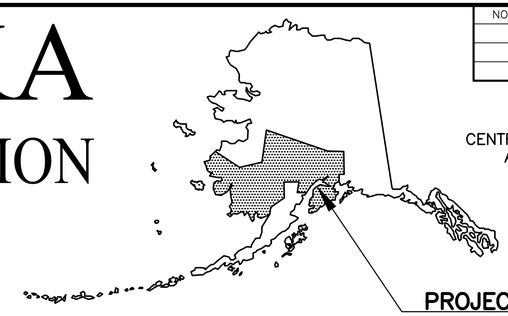
STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A1	A21

ROUTE ID	214077X000	MILEPOINT	29.370 - 38.399
LATITUDE	60.742056	LONGITUDE	-151.222128



PROJECT LOCATION
M&O STATION: NORTH KENAI

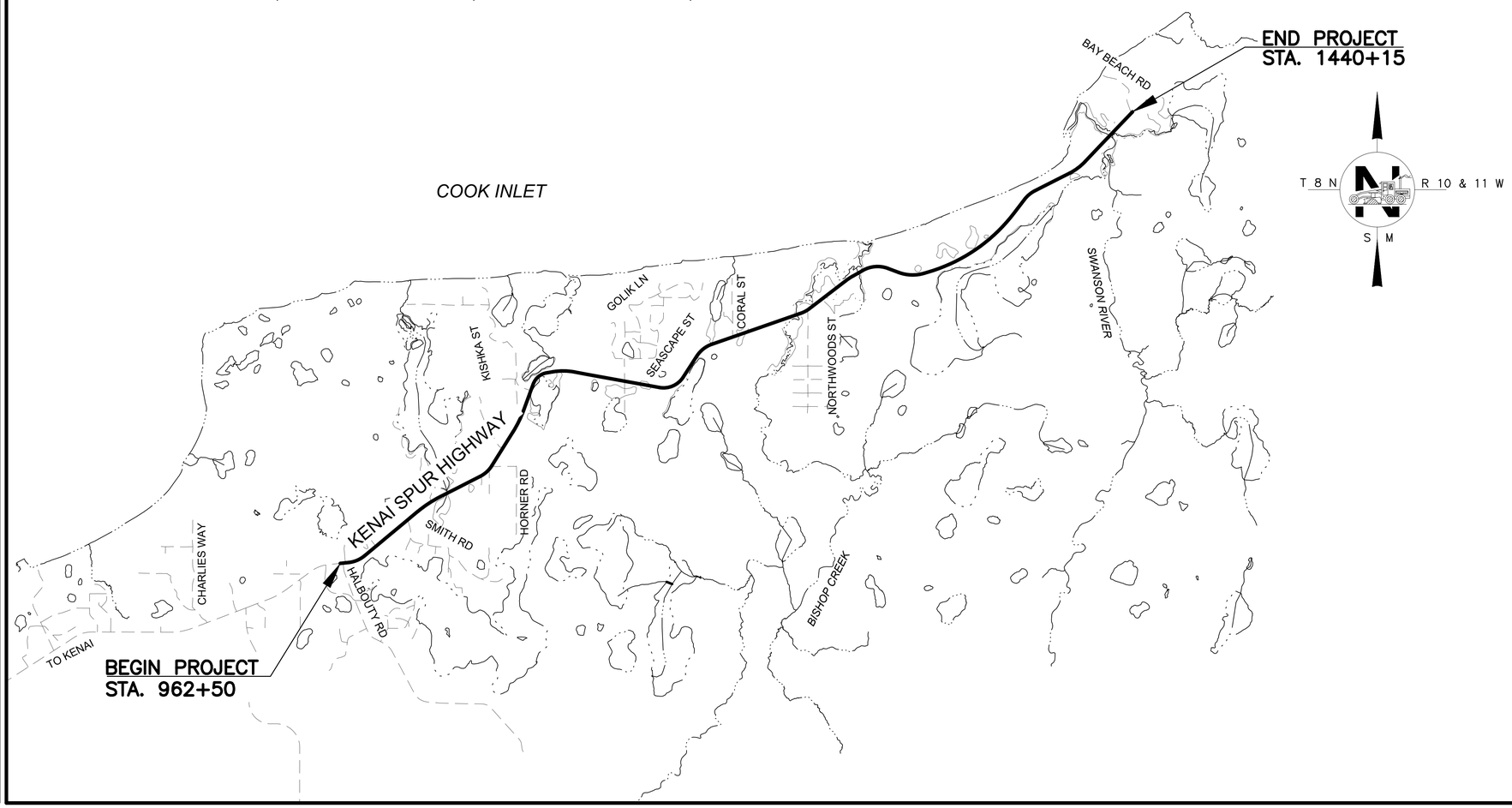
PROPOSED HIGHWAY PROJECT

KENAI SPUR HIGHWAY MP 29-38 PAVEMENT PRESERVATION PROJECT NO. 0490017/CFHWY00852

DRAINAGE, PAVING, SIGNING, AND STRIPING

PROJECT SUMMARY		
ROADWAY	WIDTH	LENGTH
KENAI SPUR HIGHWAY MP 29-38	27 FT	9 MILES

DESIGN DESIGNATIONS	
	KENAI SPUR HIGHWAY
FUNCTIONAL CLASS	MAJOR COLLECTOR
AADT (EXISTING YEAR)	350
DESIGN SPEED (V) (MPH)	55



PS&E REVIEW
JUNE 2025

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL
3900 C STREET SUITE 900, ANCHORAGE, AK 99503

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
4111 AVIATION AVENUE, ANCHORAGE, AK 99502
(907)269-0590

APPROVED:

REGIONAL PRECONSTRUCTION ENGINEER DATE

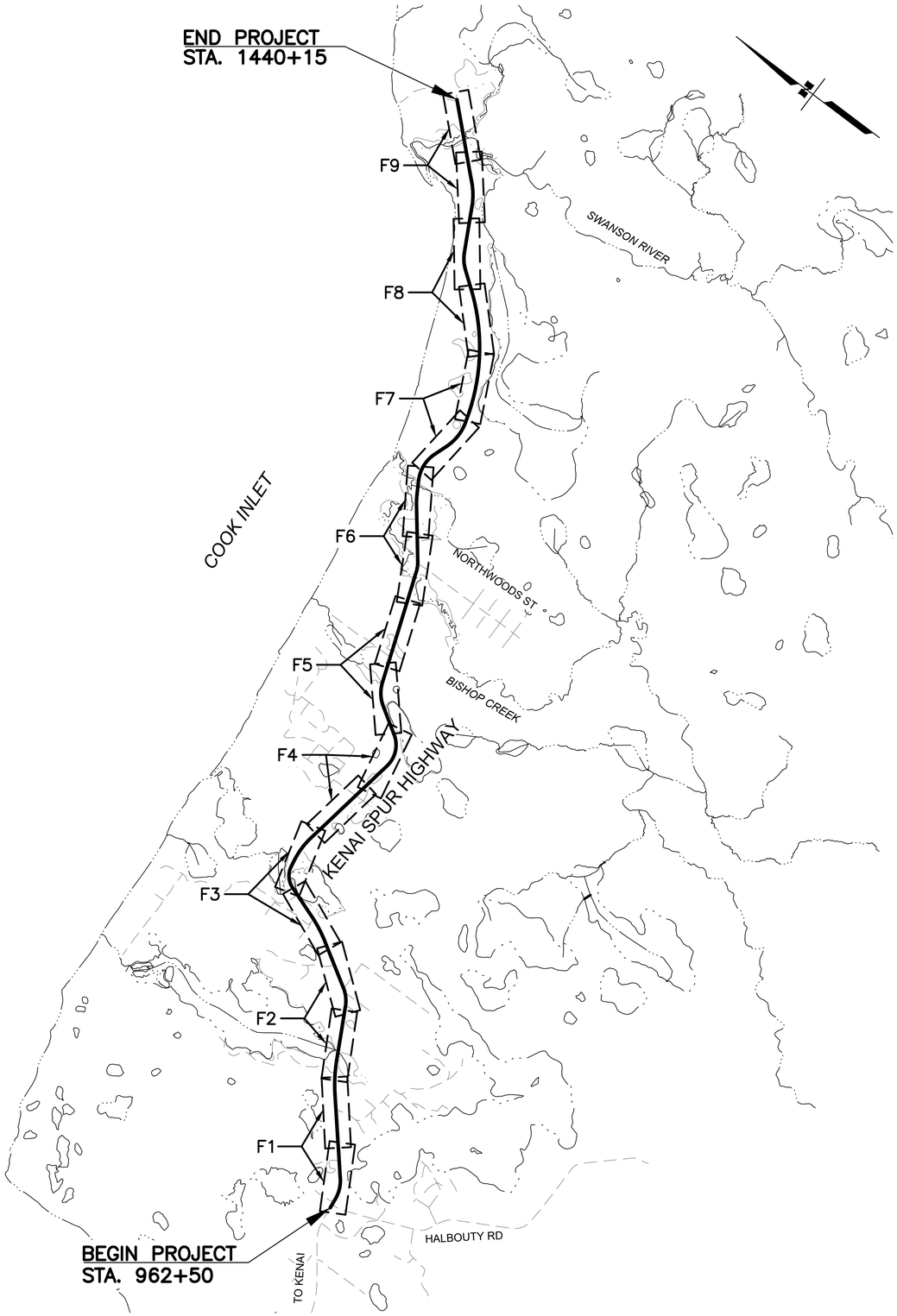
CONCUR:

REGIONAL CONSTRUCTION ENGINEER DATE

DATE 6/7/2025 TIME 11:38 AM
SCALE N/A
DESIGNED BY CSL
CHECKED BY REH
DRAFTED BY MAC
DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-A01NA02-TTL.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A2	A21



INDEX

THE FOLLOWING CENTRAL REGION STANDARD DETAILS APPLY TO THIS PROJECT:

CR-T-01.20

IN THE EVENT OF CONFLICT, CENTRAL REGION STANDARD DETAILS SUPERSEDE ALASKA STANDARD PLANS, STANDARD MODIFICATIONS, AND STANDARD SPECIFICATIONS. PLANS AND SPECIAL PROVISIONS SUPERSEDE CENTRAL REGION STANDARD DETAILS.

THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THIS PROJECT:

C-04.12, C-05.20,C-06.00,
D-01.02, D-04.22, D-08.00, D-09.00,
E-09.00,
G-00.05, G-05.11S, G-10.21, G-14.01, G-20.12, G-27.00, G-29.01,
I-81.00,
M-20.15, M-23.13,
S-00.12, S-01.02, S-05.02, S-20.11, S-30.05, S-31.02, S-32.02
T-05.10, T-06.00, T-20.04, T-21.04, T-22.04

SPECIFICATION:

CONSTRUCT THE IMPROVEMENTS COVERED BY THESE PLANS IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 2020 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, THE STANDARD MODIFICATIONS, THE SPECIAL PROVISIONS, AND THE PROJECT SPECIAL PROVISIONS.

STATE OF ALASKA
49TH
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SHEET LAYOUT, INDEX, AND GENERAL NOTES

DESIGNED BY
CHECKED BY
DRAFTED BY
SCALE
DATE 6/7/2025
TIME 2:15 PM
DRAWING LOCATION
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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A3	A21

NO.	DATE	REVISION

ROADWAY

	EXISTING	PROPOSED
EDGE OF PAVEMENT		
LIMIT OF CUT SLOPE & FILL SLOPE		CUT / FILL
GRAVEL EDGE		
BRIDGE		
GUARDRAIL		
END & PARALLEL END SECTIONS		
BOTTOM OF DITCH		
SPECIAL DITCH		
GEOTEXTILE		
DITCH LINING		
RIPRAP		
BOULDER OR BOULDERS		
PRIVATE SIGN, MAILBOX	MB	MB
POST, BOLLARD		
DIGOUT AREA		

UTILITIES

	EXISTING	PROPOSED
PIPE CULVERT		
NATURAL GAS	G G	
OIL OR GASOLINE PIPELINE	OIL	
ELECTRIC	OE (OVERHEAD) UE (UNDERGROUND) OE|OT (OVERHEAD)	
UTILITY POLE, POLE WITH LUMINAIRE		
GUY POLE, GUY WIRE ANCHOR	GP	
TRANSMISSION TOWER (WOOD, STEEL)	W	S
ELECTRIC PEDESTAL, TRANSFORMER	E	E
ELECTRIC MANHOLE, METER	E	
ELECTRIC OUTLET, LANDSCAPE LIGHT		
TELEPHONE	OT (OVERHEAD) UT (UNDERGROUND) UT|UTV (UNDERGROUND)	
TELEPHONE MANHOLE, PEDESTAL	T	T
FIBER OPTIC	OFO (OVERHEAD) FO (UNDERGROUND)	
FIBER OPTIC MANHOLE	FO	
CABLE TV	OTV (OVERHEAD) UTV (UNDERGROUND)	
CABLE TV PEDESTAL, SATELLITE DISH	V	
UNDERGROUND DUCT, UTILIDOR (ELECTRIC, TELEPHONE, FIBER OPTIC)		
VENT		
UNKNOWN EXISTING UTILITY	UU	

TRAFFIC

	EXISTING	PROPOSED
LOAD CENTER		
STATE TRAFFIC, MOA TRAFFIC, & BEACON CONTROLLER ARROW INDICATES DOOR LOCATION		
TYPE 1A, II, III, IV JUNCTION BOX		## ## ## ##
FIBER OPTIC VAULT	F/O	F/O ##
ELECTROLIER		
HIGHTOWER		HT#
SIGNAL POLE WITH MASTARM		14
SIGN POST		##

PAVEMENT MARKINGS

	PROPOSED
TRAFFIC PROJECT CENTERLINE	
8" & 4" WHITE SOLID STRIPE	8"W 4"W
4" WHITE SKIP STRIPE 10' STRIPES AND 30' SPACES	4"W SKIP
8" WHITE LANE GUIDE SKIP LANE CONTINUATION OR TURN SKIP 1' STRIPES AND 3' SPACES	8"W GUIDE SKIP
8" & 4" YELLOW SOLID STRIPE	8"Y 4"Y
4" YELLOW SKIP STRIPE 10' STRIPES AND 30' SPACES	4"Y SKIP

RIGHT-OF-WAY

	RECOVERED	SET THIS PROJECT
FEDERAL GOV'T SURVEY MONUMENT		
GOV'T CONTROL STATION		
PRIMARY MONUMENT (BRASS/AL CAP)		
MISC SECONDARY CORNER		
PRIMARY CENTERLINE MONUMENT		
SECONDARY CENTERLINE MONUMENT		
RANDOM CONTROL MONUMENT	RCM	
PRIMARY GPS CONTROL POINT	GPS	
HORIZONTAL CONTROL POINT	CP	
SECONDARY CONTROL POINT	SCP	
VERTICAL BENCHMARK	BM	
TEMPORARY BENCHMARK	TBM	
TOWNSHIP AND RANGE LINES	T13N T12N R2W R3W	
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
CORPORATE or CITY LIMITS		
EXISTING RIGHT-OF-WAY		
RIGHT-OF-WAY OR EASEMENT REQUIRED		
PROJECT RIGHT-OF-WAY LINE	ROW	
EXISTING RIGHT-OF-WAY EASEMENT		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE		
EXISTING UTILITY EASEMENT		
PROPOSED UTILITY EASEMENT		
EXISTING CENTERLINE		
TEMPORARY CONSTRUCTION EASEMENT		
TEMPORARY CONSTRUCTION PERMIT		

TOPOGRAPHY

	EXISTING
LAKE OR POND, WETLANDS	LAKE/POND
TREE (CONIFER/DECIDUOUS) TREELINE (EDGE OF VEGETATION)	
BOULDER	

	EXISTING	PROPOSED
CONTOUR, MAJOR OR MINOR	520	520
DRAINAGE FLOW		
CREEK (CENTERLINE)		
RIVER (EDGE OF WATER)		

STATE OF ALASKA 49TH
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

LEGEND

DRAWING LOCATION	DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-A03-LGND.DWG	6/7/2025	2:15 PM	N/A	CSL	RCH	MAC

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A4	A21

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE RIGHT-OF-WAY. NO EXCESS MATERIAL SHALL BE DISPOSED OF WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY CALLED FOR IN THE PLANS OR DIRECTED BY THE ENGINEER.

2. THE RIGHT-OF-WAY LINES SHOWN WERE CREATED FOR THIS PROJECT BY LOUNSBURY AND ARE BASED ON RECORDED DOCUMENTS AND/OR PLATTED SUBDIVISIONS, AND SURVEYED MONUMENTS. THE RIGHT-OF-WAY LINES WERE INSERTED USING A COMMON COORDINATE SYSTEM.

3. THE EXISTING INFORMATION SHOWN IN THE PLANS IS FROM AS-BUILTS AND HAS BEEN PARTIALLY FIELD VERIFIED. FIELD CONDITIONS MAY NOT BE ACCURATELY REPRESENTED AND/OR MAY HAVE CHANGED. ADJUST INSTALLATIONS AS DIRECTED BY THE ENGINEER.

4. THE EXISTING GROUND SURVEY DATA COMES FROM A COMBINATION OF 2008 LIDAR DATA AND SURVEY WORK COMPLETED IN THE FALL OF 2023, THE SPRING OF 2024. AND THE SPRING OF 2025 SURVEYED EXTENTS ARE EDGE TO EDGE OF THE HIGHWAY SHOULDERS.

5. LOCATE AND PROTECT ALL UTILITIES PRIOR TO CONSTRUCTION. UTILITIES WITHIN THE PROJECT SHALL REMAIN IN PLACE AND IN SERVICE DURING CONSTRUCTION. WORKING AROUND AND PROTECTING UTILITIES IS SUBSIDIARY TO EXCAVATION AND CULVERT WORK. THE PRESENCE AND LOCATION OF UTILITIES SHOWN ARE BASED OFF OF LIMITED SURVEY, UTILITY PERMITS & SYSTEM MAPS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PRESENCE AND LOCATION OF UTILITIES IN THE FIELD PRIOR TO PERFORMING ANY EARTH DISTURBING ACTIVITIES. UNDERGROUND UTILITIES ARE ASSUMED TO BE 3 FEET BELOW EXISTING GROUND. CALL THE DIGLINE AT 1-800-478-3121 OR 811 FOR LOCATES, OR THE UTILITY OWNER DIRECTLY.

6. ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATE METHOD APPROVED BY THE ENGINEER.

7. WHERE SLOPE CATCH POINTS (CUT AND FILL) ARE PRESENT, CLEARING LIMITS SHALL BE 50 FEET BEYOND SLOPE CATCH POINTS OR 5 FEET INSIDE THE RIGHT-OF-WAY LINE, WHICHEVER IS LESS. IN WETLAND AREAS, CLEARING LIMITS SHALL BE 10 FEET BEYOND SLOPE CATCH POINTS. WHERE SLOPE CATCH POINTS ARE NOT PRESENT, CLEAR 50 FEET BEYOND THE EXISTING PAVEMENT EDGE, OR CLEAR 10 BEYOND EXISTING PAVEMENT EDGE FEET IF IN WETLANDS.

8. PLACE 4" TOPSOIL AND SEED ON ANY AREAS DISTURBED BY CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.

9. ADJUST ALL PAVEMENT PENETRATIONS TO FINAL GRADE PRIOR TO TOP LIFT OF PAVING.

   IF ANY PAVEMENT PENETRATION REQUIRES GRADE ADJUSTMENT AFTER FINAL LIFT PAVING, AS DETERMINED BY THE ENGINEER, SAW CUT A NEAT LINE ALONG THE PAVEMENT TO BE REMOVED. USE AN INFRARED HEATER TO HEAT THE EXISTING PAVEMENT; EQUIPMENT AND MAXIMUM TEMPERATURE SHALL BE APPROVED BY THE ENGINEER. REPLACE THE REMOVED ASPHALT WITH NEW HOT MIX ASPHALT AND THOROUGHLY COMPACT. SEAL JOINTS, AT LEAST 12 INCHES WIDE CENTERED ON JOINT, USING ASPHALT SYSTEMS GSB-88, OR APPROVED EQUAL, WHILE THE HOT MIX ASPHALT IS CLEAN, FREE OF MOISTURE AND PRIOR TO STRIPING.

   THERE SHALL BE NO PAYMENT FOR ADDITIONAL WORK CAUSED BY FAILURE TO ADJUST PAVEMENT PENETRATIONS TO FINAL GRADE.

10. FOR PARALLEL GUARDRAIL TERMINALS, USE AN END OFFSET OF 2 FEET.

11. TEMPORARY ASPHALT FOR PIPE PATCHES IS SUBSIDIARY. PAVE PATCHES WITHIN 7 DAYS. NO SEPARATE PAYMENT FOR TEMPORARY ASPHALT WILL BE MADE FOR WINTER SHUTDOWN.

ABBREVIATIONS:

&	AND
AADT	AVERAGE ANNUAL DAILY TRAFFIC
AC	APPROACH CULVERT
ATB	ASPHALT TREATED BASE
AVE	AVENUE
BOP	BEGINNING OF PROJECT
CABC	CRUSHED ASPHALT BASE COURSE
CAPT	CAPTAIN
CC	CROSS CULVERT
CON'T	CONTINUED
CPM	CRITICAL PATH METHOD
CPP	CORRUGATED POLYETHYLENE PIPE
CIR	CIRCLE
CF	CUBIC FOOT
C.S.	CONTINGENT SUM
C.Y.	CUBIC YARD
DR	DRIVE
E	EAST
EA	EACH
ELEC	ELECTRIC
ELEV	ELEVATION
EOP	END OF PROJECT
FT	FEET
GAL	GALLONS
HMA	HOT MIX ASPHALT
HWY	HIGHWAY
IN	INCH
LB	POUND
L.F.	LINEAR FOOT
LN	LANE
LOC	LENGTH OF CURVE
L.S.	LUMP SUM
LT	LEFT
M&O	MAINTENANCE AND OPERATIONS
MIN	MINIMUM
MAX	MAXIMUM
MGAL	THOUSAND GALLONS
MP	MILE POST
MPH	MILES PER HOUR
MSF	THOUSAND SQUARE FEET
N	NORTH
NE	NORTH EAST
NO	NUMBER
NTS	NOT TO SCALE
NW	NORTH WEST
OH	OVERHEAD
PI	POINT OF INTERSECTION
RD	ROAD
REQ'D	REQUIRED
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
SE	SOUTH EAST
S.F.	SQUARE FOOT
SPP	STRUCTURAL PLATE PIPE
ST	STREET
STA.	STATION
S.Y.	SQUARE YARD
SW	SOUTH WEST
SWPPP PLAN	STORM WATER POLLUTION PREVENTION
T	TANGENT
TYP	TYPICAL
VC	VERTICAL CURVE
VPI	VERTICAL POINT OF INTERSECTION
W	WEST
XING	CROSSING

CALL BEFORE YOU DIG!

CONTRACTOR SHALL CALL A MINIMUM OF 3 DAYS IN ADVANCE OF CONSTRUCTION

ALASKA DIGLINE....907-278-3121 OR 800-478-3121

CALL OR GO TO WWW.AKONECALL.COM/STATEWIDE.HTM FOR MEMBER LIST OF WHO WILL BE NOTIFIED

STATE OF ALASKA 49TH PROJECT ENGINEER 0000 REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

NOTES AND ABBREVIATIONS

DATE	TIME	SCALE	DESIGNED BY	CSL
6/7/2025	2:15 PM	N/A	CHECKED BY	REH
			DRAFTED BY	MAC

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-A03-LGND.DWG

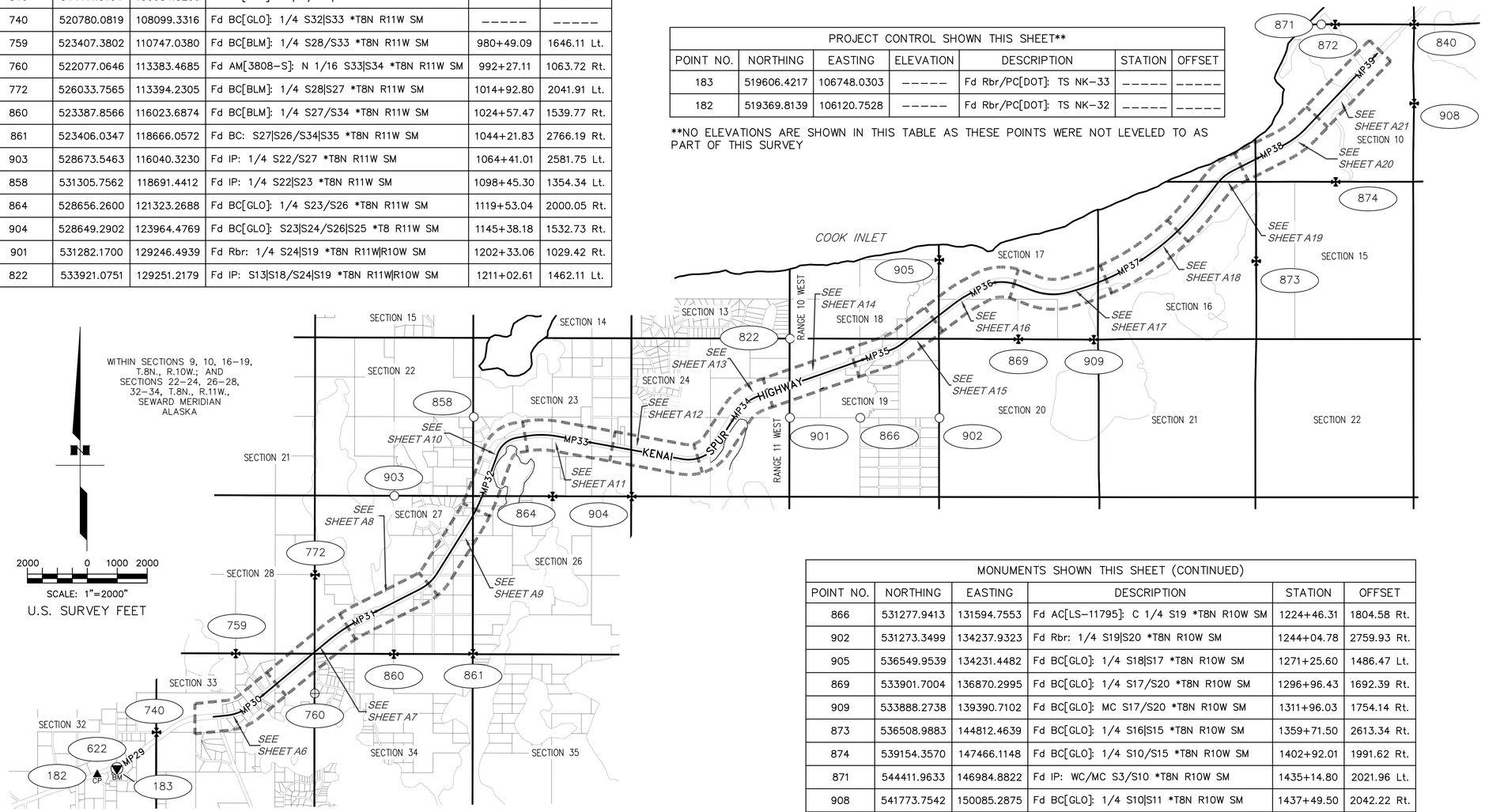
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A5	A21

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
840	544411.3104	150084.8206	Fd BC[GLO]: S3|S2/S10|S11 *T8N R10W SM	-----	-----
740	520780.0819	108099.3316	Fd BC[GLO]: 1/4 S32|S33 *T8N R11W SM	-----	-----
759	523407.3802	110747.0380	Fd BC[BLM]: 1/4 S28/S33 *T8N R11W SM	980+49.09	1646.11 Lt.
760	522077.0646	113383.4685	Fd AM[3808-S]: N 1/16 S33|S34 *T8N R11W SM	992+27.11	1063.72 Rt.
772	526033.7565	113394.2305	Fd BC[BLM]: 1/4 S28|S27 *T8N R11W SM	1014+92.80	2041.91 Lt.
860	523387.8566	116023.6874	Fd BC[BLM]: 1/4 S27/S34 *T8N R11W SM	1024+57.47	1539.77 Rt.
861	523406.0347	118666.0572	Fd BC: S27|S26/S34|S35 *T8N R11W SM	1044+21.83	2766.19 Rt.
903	528673.5463	116040.3230	Fd IP: 1/4 S22/S27 *T8N R11W SM	1064+41.01	2581.75 Lt.
858	531305.7562	118691.4412	Fd IP: 1/4 S22|S23 *T8N R11W SM	1098+45.30	1354.34 Lt.
864	528656.2600	121323.2688	Fd BC[GLO]: 1/4 S23/S26 *T8N R11W SM	1119+53.04	2000.05 Rt.
904	528649.2902	123964.4769	Fd BC[GLO]: S23|S24/S26|S25 *T8 R11W SM	1145+38.18	1532.73 Rt.
901	531282.1700	129246.4939	Fd Rbr: 1/4 S24|S19 *T8N R11W|R10W SM	1202+33.06	1029.42 Rt.
822	533921.0751	129251.2179	Fd IP: S13|S18/S24|S19 *T8N R11W|R10W SM	1211+02.61	1462.11 Lt.

PROJECT CONTROL SHOWN THIS SHEET**						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
183	519606.4217	106748.0303	-----	Fd Rbr/PC[DOT]: TS NK-33	-----	-----
182	519369.8139	106120.7528	-----	Fd Rbr/PC[DOT]: TS NK-32	-----	-----

**NO ELEVATIONS ARE SHOWN IN THIS TABLE AS THESE POINTS WERE NOT LEVELED TO AS PART OF THIS SURVEY



MONUMENTS SHOWN THIS SHEET (CONTINUED)					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
866	531277.9413	131594.7553	Fd AC[LS-11795]: C 1/4 S19 *T8N R10W SM	1224+46.31	1804.58 Rt.
902	531273.3499	134237.9323	Fd Rbr: 1/4 S19|S20 *T8N R10W SM	1244+04.78	2759.93 Rt.
905	536549.9539	134231.4482	Fd BC[GLO]: 1/4 S18|S17 *T8N R10W SM	1271+25.60	1486.47 Lt.
869	533901.7004	136870.2995	Fd BC[GLO]: 1/4 S17/S20 *T8N R10W SM	1296+96.43	1692.39 Rt.
909	533888.2738	139390.7102	Fd BC[GLO]: MC S17/S20 *T8N R10W SM	1311+96.03	1754.14 Rt.
873	536508.9883	144812.4639	Fd BC[GLO]: 1/4 S16|S15 *T8N R10W SM	1359+71.50	2613.34 Rt.
874	539154.3570	147466.1148	Fd BC[GLO]: 1/4 S10/S15 *T8N R10W SM	1402+92.01	1991.62 Rt.
871	544411.9633	146984.8822	Fd IP: WC/MC S3/S10 *T8N R10W SM	1435+14.80	2021.96 Lt.
908	541773.7542	150085.2875	Fd BC[GLO]: 1/4 S10|S11 *T8N R10W SM	1437+49.50	2042.22 Rt.
872	544411.7354	147446.5845	Fd BC[GLO]: 1/4 S3/S10 *T8N R10W SM	1438+33.62	1688.01 Lt.

VERTICAL CONTROL						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
622***	519571	106778	171.11	Fd BC/Rod[DOT]: BM NK-8	-----	-----
618	501161	80377	79.65	FD BC[NOS]: 5760 N 1983	-----	-----

***POINT NOT SHOWN HEREON FOR CLARITY

SURVEY NOTES

1. ALL DIMENSIONS AND COORDINATES SHOWN ARE IN U.S. SURVEY FEET.
2. THE FIELD SURVEY WAS CONDUCTED BY LOUNSBURY AND ASSOCIATES, INC. FROM NOVEMBER 2023 TO APRIL 2024.
3. PROJECT HORIZONTAL CONTROL WAS SURVEYED USING NETWORKED STATIC GPS TECHNIQUES. GPS MEASUREMENTS WERE PERFORMED USING TRIMBLE R12, R10 AND R8 RECEIVERS AND PROCESSED USING TRIMBLE BUSINESS CENTER V.2024.00 SOFTWARE.
4. THE PURPOSE OF LOUNSBURY'S SURVEY WAS TO PROVIDE A DESIGN AND RIGHT-OF-WAY SURVEY IN SUPPORT OF ENGINEERING DESIGN SERVICES FOR THE KENAI SPUR HIGHWAY MILEPOST 29-38 PAVEMENT PRESERVATION, PROJECT CFHWY00852/0490017.
5. BACKGROUND SUBDIVISION AND PARCEL INFORMATION ON SHEET 1 IS FOR ORIENTATION PURPOSES ONLY. SUBDIVISION AND PARCEL INFORMATION ON SHEETS 2-17 CORRESPONDS TO THE ROW LINES PREPARED FOR THE CONSTRUCTION PLANSET.
6. VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO USE. ON MULTI-YEAR PROJECTS, VERIFY ALL CONTROL ON A SEASONAL BASIS.
7. WORK AROUND ALL MONUMENT CASES FOUND WITHIN THE HIGHWAY. DO NOT DISTURB THE MONUMENT OR CASE. ADD A PERMANENT RISER TO EACH MONUMENT CASE AT A SUFFICIENT HEIGHT SUCH THAT THE TOP OF THE MONUMENT LID MATCHES FINISHED GRADE.
8. MONUMENTS DESTROYED BY CONSTRUCTION WILL BE REPLACED BY OTHERS.
9. WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS, CORNERS, OR ACCESSORIES, WHICH WILL BE DISTURBED OR BURIED, SHALL BE REFERENCED AND RE-ESTABLISHED IN THEIR ORIGINAL POSITION (A.S. 19.10.260) AND RECORDED (A.S. 34.65.040).

HORIZONTAL CONTROL STATEMENT

COORDINATE SYSTEM:
THIS PROJECT IS LOCATED ENTIRELY WITHIN LOW DISTORTION PROJECTION (LDP) STERLING HIGHWAY 2015 LDP, A U.S. SURVEY FOOT GRID COORDINATE SYSTEM DEVELOPED BY THE STATE OF ALASKA DOT&PF CENTRAL REGION SURVEY SECTION.

STERLING HIGHWAY 2015 IS DEFINED AS FOLLOWS:
LINEAR UNIT: US SURVEY FEET
ELLIPSOID: GRS 80
GRID SCALE FACTOR: 1.0 (EXACT)
CENTRAL MERIDIAN: 151°00'00 W
FALSE EASTING: 150,000.0 FT.
DATUM: NAD 83
PROJECTION: TRANSVERSE MERCATOR
LATITUDE OF ORIGIN: 60°00'00" N
FALSE NORTHING: 250,000.0 FT.

BASIS OF COORDINATES:
THE BASIS OF COORDINATES IS THE NAD83(2011) (EPOCH 2010.000) POSITION OF POINT #1, A SET 2.5"ALUMINUM CAP ON ALUMINUM POST, AS DETERMINED BY THE MEAN OF OPUS SOLUTIONS UTILIZING CORS STATIONS AC53, AC51, AC17, AND MCES. POINT #1 HAS THE FOLLOWING COORDINATES:

NAD83(2011) (EPOCH 2010.000)
LATITUDE N60°44'31.14296"
LONGITUDE W151°13'15.31877"

ALASKA STATE PLANE ZONE 4:
NORTHING 2465124.6522'
EASTING 1421956.2558'

STERLING HIGHWAY 2015 LDP
NORTHING 521295.6359'
EASTING 110464.8287'

PROJECT COORDINATES ARE STERLING HIGHWAY 2015 GRID BEARINGS.

VERTICAL CONTROL STATEMENT

VERTICAL DATUM IS NAVD88(GEOID12B) IN U.S. SURVEY FEET, AS ESTABLISHED BY HOLDING THE ELEVATION OF CONTROL POINT #1 FIXED AT 194.10' AS DETERMINED BY THE NGS OPUS PROCESSING UTILITY.

PROJECT ELEVATIONS WERE ESTABLISHED USING FGDC 3RD ORDER DIFFERENTIAL LEVELLING TECHNIQUES WITH A TRIMBLE DINI DIGITAL BAR-CODE LEVEL. LEVEL LOOPS WERE ADJUSTED USING TRIMBLE BUSINESS CENTER V.2024.00.

TO CONVERT PROJECT ELEVATIONS TO MSL 1929 NGVD, SUBTRACT 6.06 FEET. THIS CONVERSION IS BASED ON DIFFERENTIAL LEVELLING TO DOT&PF BENCHMARK BM NK-8, (POINT #622 THIS SURVEY; MSL 1929 ELEVATION OF 165.05 FEET PER PLAT 2015-44, K.R.D)

TO CONVERT GPS-DERIVED, NAVD88 PROJECT ELEVATIONS TO MEAN LOWER LOW WATER (MLLW), ADD 6.83' FEET. THIS CONVERSION IS BASED ON REDUNDANT OPUS SOLUTIONS ON THE NEAREST NOS TIDAL BENCHMARK, 5760 N 1983 (POINT #618 THIS SURVEY; NOT SHOWN HEREON FOR CLARITY).

SHEET A5 LEGEND

CP	CONTROL POINT	○	MISC. CORNER
BM	VERTICAL BENCH MARK	MP31	MILEPOST (GIS LOCATION)
✠	FEDERAL GOV'T MONUMENT	XXX	POINT NUMBER IDENTIFIER

DATE	####
####	----

STATE OF ALASKA 49TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

LOUNSBURY & ASSOCIATES, INC.
3230 C ST, SUITE 201,
ANCHORAGE, AK 99503
(907) 272-5451
CERTIFICATE OF AUTHORITY NO. AECC391

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SURVEY CONTROL

DRAWING LOCATION
\DWG\KSH_SCS.DWG

DESIGNED BY JV
CHECKED BY
DRAFTED BY BS

SCALE 1"=2000'

DATE 5/22/2025 TIME 10:07 AM

NO.	DATE	REVISION

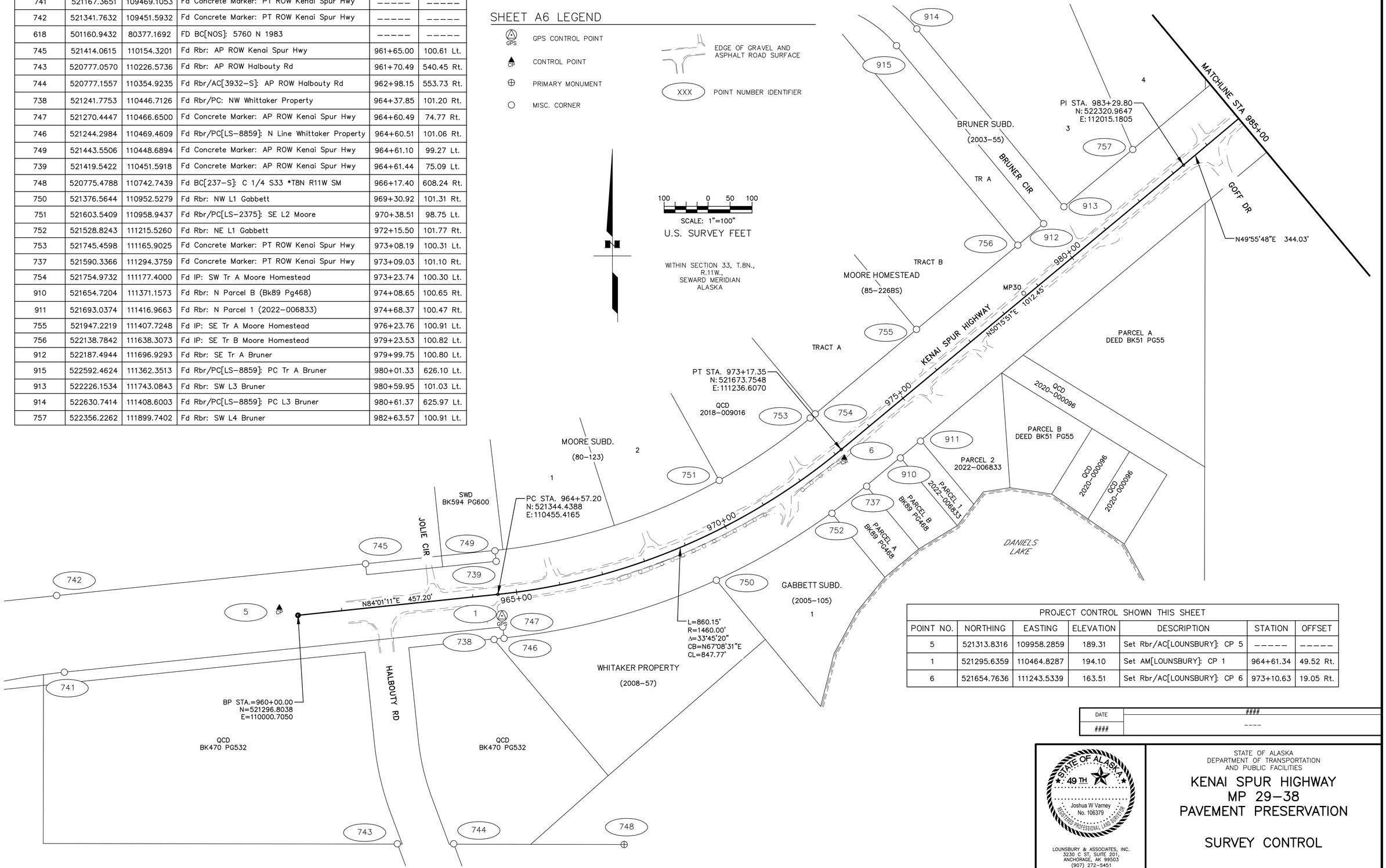
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A6	A21

MONUMENTS SHOWN THIS SHEET

POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
741	521167.3651	109469.1053	Fd Concrete Marker: PT ROW Kenai Spur Hwy	-----	-----
742	521341.7632	109451.5932	Fd Concrete Marker: PT ROW Kenai Spur Hwy	-----	-----
618	501160.9432	80377.1692	FD BC[NOS]: 5760 N 1983	-----	-----
745	521414.0615	110154.3201	Fd Rbr: AP ROW Kenai Spur Hwy	961+65.00	100.61 Lt.
743	520777.0570	110226.5736	Fd Rbr: AP ROW Halbouty Rd	961+70.49	540.45 Rt.
744	520777.1557	110354.9235	Fd Rbr/AC[3932-S]: AP ROW Halbouty Rd	962+98.15	553.73 Rt.
738	521241.7753	110446.7126	Fd Rbr/PC: NW Whittaker Property	964+37.85	101.20 Rt.
747	521270.4447	110466.6500	Fd Concrete Marker: AP ROW Kenai Spur Hwy	964+60.49	74.77 Rt.
746	521244.2984	110469.4609	Fd Rbr/PC[LS-8859]: N Line Whittaker Property	964+60.51	101.06 Rt.
749	521443.5506	110448.6894	Fd Concrete Marker: AP ROW Kenai Spur Hwy	964+61.10	99.27 Lt.
739	521419.5422	110451.5918	Fd Concrete Marker: AP ROW Kenai Spur Hwy	964+61.44	75.09 Lt.
748	520775.4788	110742.7439	Fd BC[237-S]: C 1/4 S33 *T8N R11W SM	966+17.40	608.24 Rt.
750	521376.5644	110952.5279	Fd Rbr: NW L1 Gabbett	969+30.92	101.31 Rt.
751	521603.5409	110958.9437	Fd Rbr/PC[LS-2375]: SE L2 Moore	970+38.51	98.75 Lt.
752	521528.8243	111215.5260	Fd Rbr: NE L1 Gabbett	972+15.50	101.77 Rt.
753	521745.4598	111165.9025	Fd Concrete Marker: PT ROW Kenai Spur Hwy	973+08.19	100.31 Lt.
737	521590.3366	111294.3759	Fd Concrete Marker: PT ROW Kenai Spur Hwy	973+09.03	101.10 Rt.
754	521754.9732	111177.4000	Fd IP: SW Tr A Moore Homestead	973+23.74	100.30 Lt.
910	521654.7204	111371.1573	Fd Rbr: N Parcel B (Bk89 Pg468)	974+08.65	100.65 Rt.
911	521693.0374	111416.9663	Fd Rbr: N Parcel 1 (2022-006833)	974+68.37	100.47 Rt.
755	521947.2219	111407.7248	Fd IP: SE Tr A Moore Homestead	976+23.76	100.91 Lt.
756	522138.7842	111638.3073	Fd IP: SE Tr B Moore Homestead	979+23.53	100.82 Lt.
912	522187.4944	111696.9293	Fd Rbr: SE Tr A Bruner	979+99.75	100.80 Lt.
915	522592.4624	111362.3513	Fd Rbr/PC[LS-8859]: PC Tr A Bruner	980+01.33	626.10 Lt.
913	522226.1534	111743.0843	Fd Rbr: SW L3 Bruner	980+59.95	101.03 Lt.
914	522630.7414	111408.6003	Fd Rbr/PC[LS-8859]: PC L3 Bruner	980+61.37	625.97 Lt.
757	522356.2262	111899.7402	Fd Rbr: SW L4 Bruner	982+63.57	100.91 Lt.

SHEET A6 LEGEND

- GPS CONTROL POINT
- CONTROL POINT
- PRIMARY MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX POINT NUMBER IDENTIFIER



PROJECT CONTROL SHOWN THIS SHEET

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
5	521313.8316	109958.2859	189.31	Set Rbr/AC[LOUNSBURY]: CP 5	-----	-----
1	521295.6359	110464.8287	194.10	Set AM[LOUNSBURY]: CP 1	964+61.34	49.52 Rt.
6	521654.7636	111243.5339	163.51	Set Rbr/AC[LOUNSBURY]: CP 6	973+10.63	19.05 Rt.

DATE	###
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STATE OF ALASKA
49 TH
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KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY	JV
CHECKED BY	
DRAFTED BY	BS

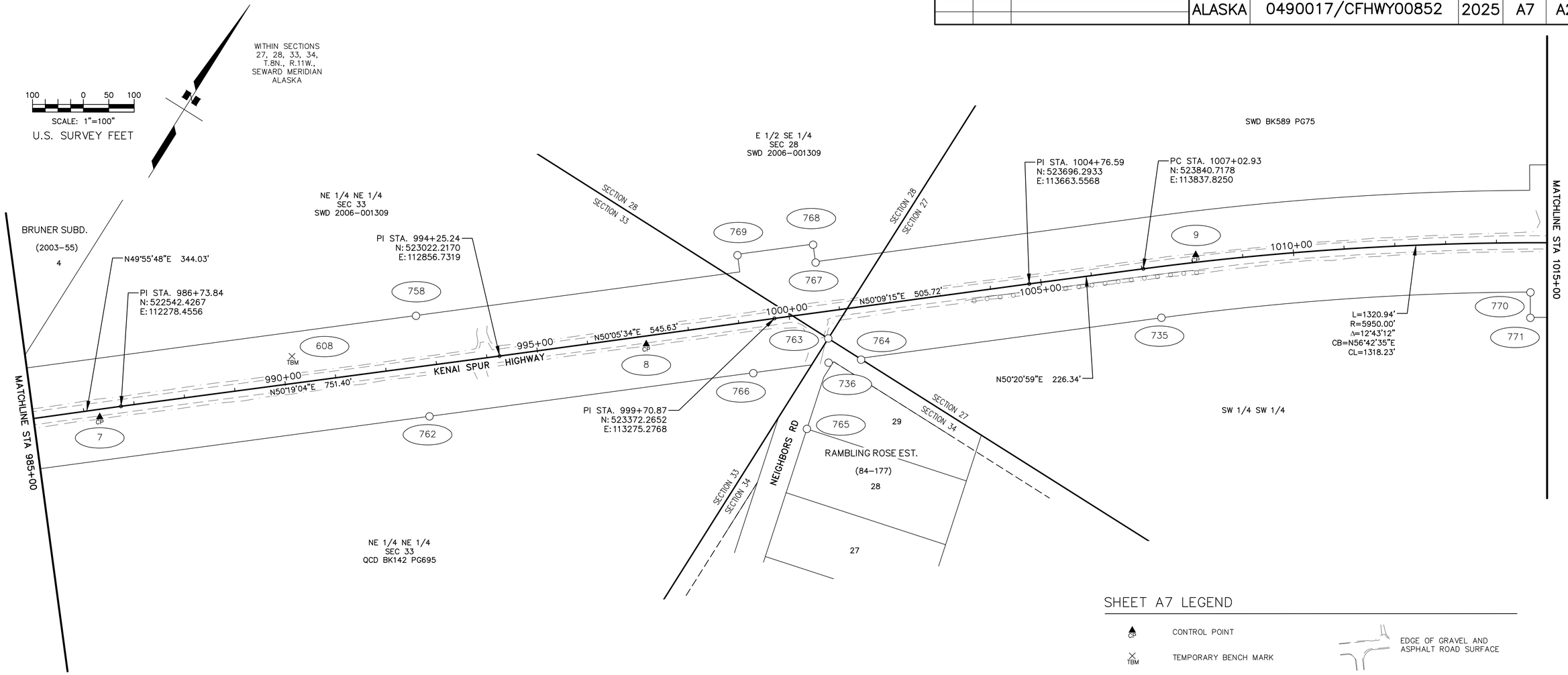
SCALE 1"=100'

DATE 5/22/2025 TIME 10:07 AM

DRAWING LOCATION \DWG\KSH_SCS.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A7	A21



SHEET A7 LEGEND

- CP — CONTROL POINT
- TBM — TEMPORARY BENCH MARK
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
758	523001.6913	112675.3745	Fd Concrete Marker: POL ROW Kenai Spur Hwy	992+72.56	100.01 Lt.
762	522848.3033	112802.9833	Fd Concrete Marker: POL ROW Kenai Spur Hwy	992+72.82	99.52 Rt.
766	523258.8851	113297.1922	Fd Concrete Marker: POL ROW Kenai Spur Hwy	999+14.94	101.03 Rt.
769	523438.9151	113147.6280	Fd Concrete Marker: AP ROW Kenai Spur Hwy	999+15.71	133.02 Lt.
765	523222.1631	113444.8605	Fd Rbr: SW L29 Rambling Rose Estates	1000+04.90	223.90 Rt.
736	523355.1539	113411.7556	Fd Rbr/PC[LS-8859]: NNW L29 Rambling Rose Estates	1000+64.69	100.58 Rt.
768	523535.4733	113262.5897	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1000+65.70	133.44 Lt.
767	523508.3365	113285.4088	Fd Rbr: AP ROW Kenai Spur Hwy	1000+65.83	97.98 Lt.
763	523395.1546	113385.9001	Fd Rbr: S28|S27/S33|S34 *T8N R11W SM	1000+70.47	53.30 Rt.
764	523394.0894	113462.7723	Fd Rbr/PC[LS-8859]: N L29 Rambling Rose Estates	1001+28.81	103.38 Rt.
735	523778.1599	113919.3190	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1007+26.15	100.12 Rt.
771	524163.9274	114534.0323	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1014+66.20	147.72 Rt.
770	524206.3924	114507.5749	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1014+66.54	97.68 Rt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
608	522805	112511	148.02	Set Spike in 14" Cottonwood: TBM 608	990+20.13	53.29 Lt.

PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
7	522502.4856	112254.1690	149.07	Set Rbr/AC[LOUNSBURY]: CP 7	986+29.54	14.93 Rt.
8	523195.3560	113088.5633	161.12	Set Rbr/AC[LOUNSBURY]: CP 8	997+14.15	15.92 Rt.
9	523918.8111	113910.6048	102.02	Set Rbr/AC[LOUNSBURY]: CP 9	1008+08.54	14.63 Lt.

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STATE OF ALASKA 49TH Joshua W Varney No. 106379 REGISTERED PROFESSIONAL LAND SURVEYOR

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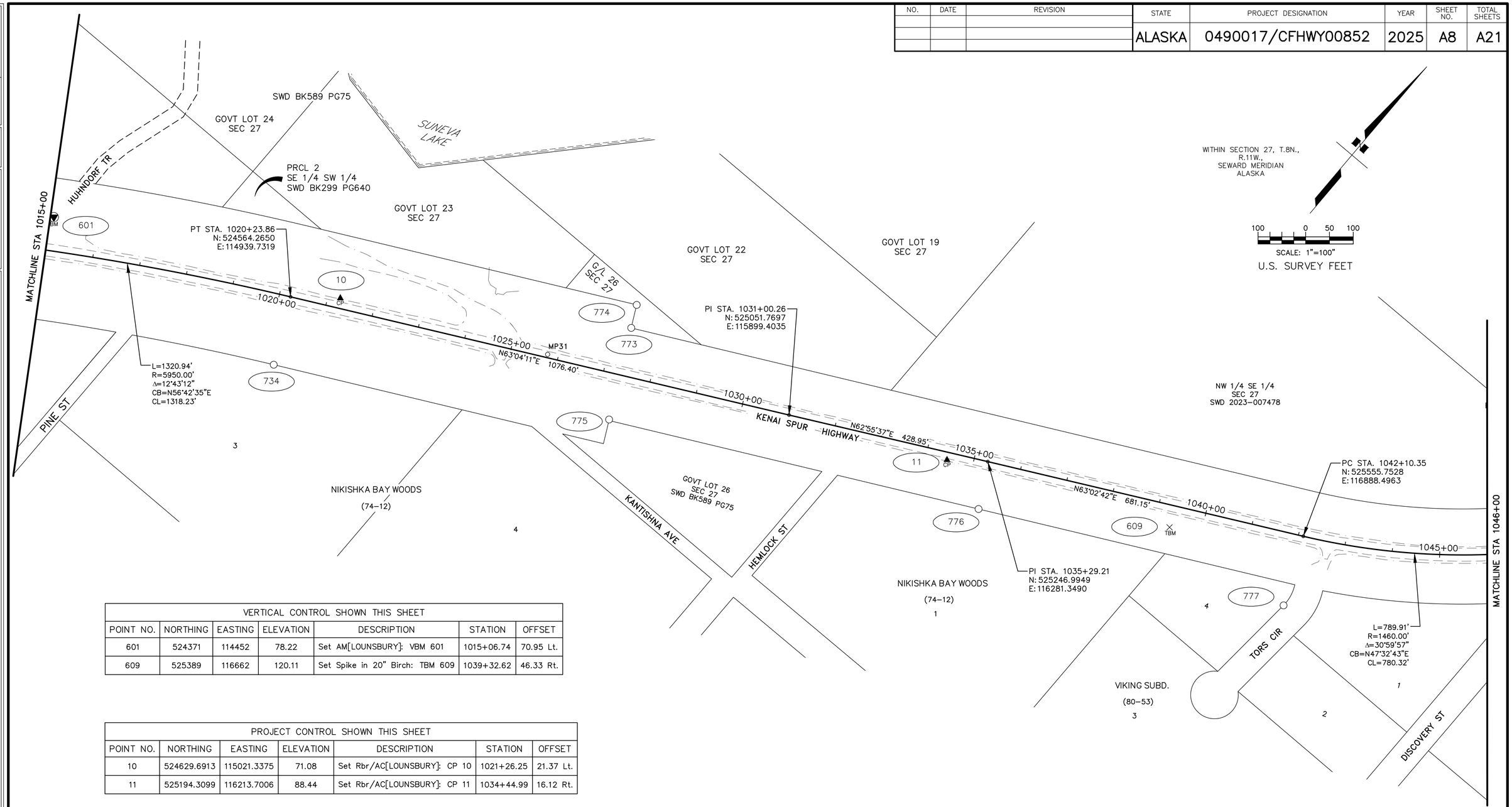
KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY JV
CHECKED BY
DRAFTED BY BS
SCALE 1"=100'
DATE 5/22/2025 TIME 10:07 AM
DRAWING LOCATION \DWG\KSH_SCS.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A8	A21



VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
601	524371	114452	78.22	Set AM[LOUNSBURY]: VBM 601	1015+06.74	70.95 Lt.
609	525389	116662	120.11	Set Spike in 20" Birch: TBM 609	1039+32.62	46.33 Rt.

PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
10	524629.6913	115021.3375	71.08	Set Rbr/AC[LOUNSBURY]: CP 10	1021+26.25	21.37 Lt.
11	525194.3099	116213.7006	88.44	Set Rbr/AC[LOUNSBURY]: CP 11	1034+44.99	16.12 Rt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
734	524432.6096	115004.9017	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1020+22.30	146.89 Rt.
775	524800.2102	115617.0301	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1027+34.58	96.39 Rt.
773	524977.1984	115528.1135	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1027+35.46	101.67 Lt.
774	525021.4526	115505.6513	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1027+35.48	151.30 Lt.
776	525158.4643	116330.9424	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1035+33.28	101.39 Rt.
777	525418.1912	116950.8108	Fd Rbr: PC E Line L4 Viking	1042+03.54	150.86 Rt.

SHEET A8 LEGEND

- CP — CONTROL POINT
- BM — VERTICAL BENCH MARK
- TBM — TEMPORARY BENCH MARK
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

DATE	####
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STATE OF ALASKA
49 TH
Joshua W Varney
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DRAFTED BY	BS

SCALE 1"=100'

DATE 5/22/2025 TIME 10:07 AM

DRAWING LOCATION
\DWG\KSH_SCS.DWG

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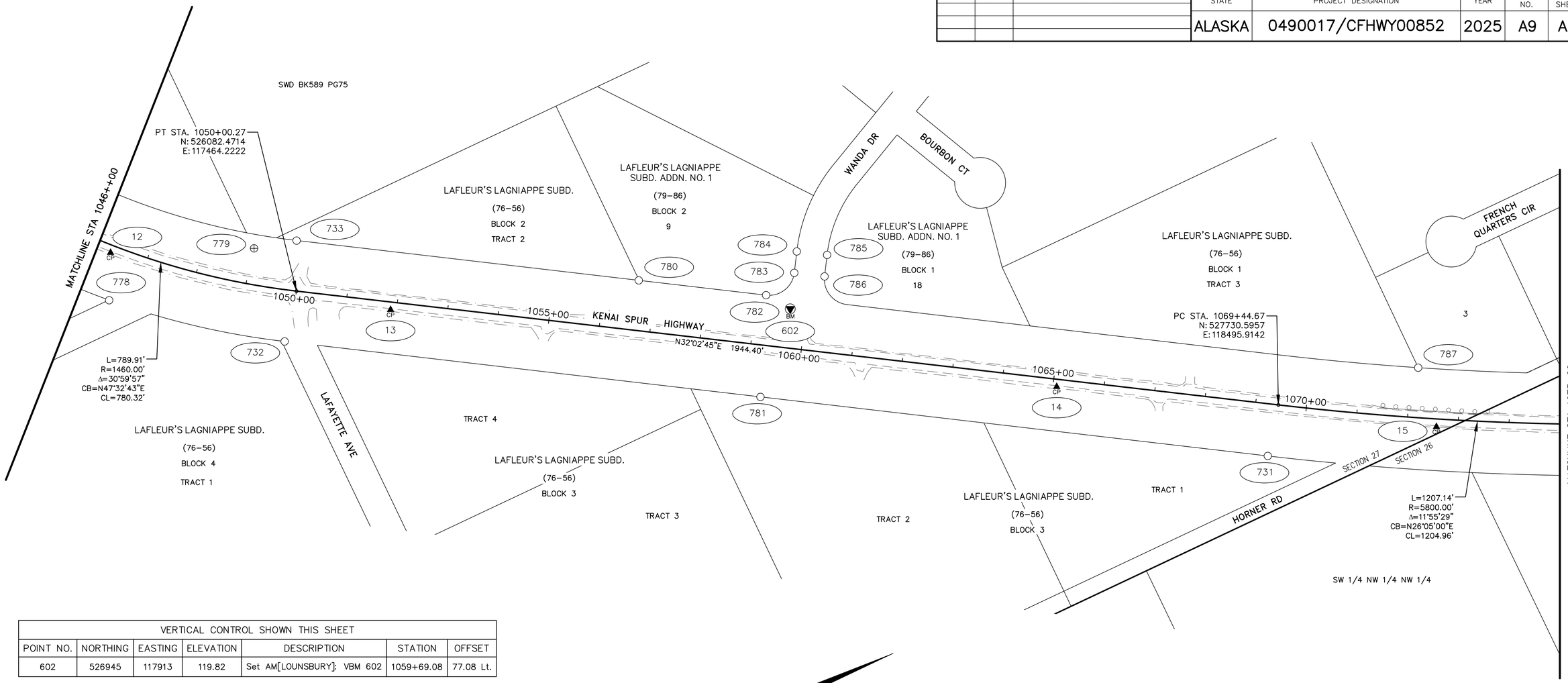
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A9	A21



VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
602	526945	117913	119.82	Set AM[LOUNSBURY]: VBM 602	1059+69.08	77.08 Lt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
778	525741.9126	117322.2326	Fd Rbr: NE L1 Viking	1046+57.17	103.31 Rt.
779	526043.1760	117352.4599	Fd BC[610-S]: CE 1/16 S27 *T8N R11W SM	1049+02.87	70.79 Lt.
733	526125.2851	117374.6559	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1049+88.22	98.59 Lt.
732	526018.8947	117543.6677	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1049+89.29	101.12 Rt.
780	526699.5685	117734.4190	Fd Rbr: SE L9 B2 Lafleurs Lagniappe Addn 1	1056+66.70	98.40 Lt.
782	526913.2578	117868.2130	Fd Rbr: PT E Line L9 B2 Lafleurs Lagniappe Addn 1	1059+18.82	98.38 Lt.
781	526817.2811	118044.1730	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1059+30.83	101.69 Rt.
783	526982.1977	117852.4544	Fd Rbr: E PT N Line L9 B2 Lafleurs Lagniappe Addn 1	1059+68.89	148.32 Lt.
784	527004.7086	117816.4818	Fd Rbr: W PT N Line L9 B2 Lafleurs Lagniappe Addn 1	1059+68.89	190.75 Lt.
786	527032.9934	117884.3295	Fd Rbr: E PC S Line L18 B1 Lafleurs Lagniappe Addn 1	1060+28.86	148.25 Lt.
785	527055.6660	117848.2520	Fd Rbr: W PT S Line L18 B1 Lafleurs Lagniappe Addn 1	1060+28.94	190.86 Lt.
731	527668.7259	118577.7041	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1069+35.63	102.15 Rt.
787	528010.4617	118547.9758	Fd Rbr: NE Tr 3 B1 Lafleurs Lagniappe	1072+14.17	98.21 Lt.

WITHIN SECTIONS 26 & 27,
T.8N., R.11W.,
SEWARD MERIDIAN
ALASKA

100 0 50 100
SCALE: 1"=100"
U.S. SURVEY FEET

SHEET A9 LEGEND

- CP — CONTROL POINT
- BM — VERTICAL BENCH MARK
- PRIMARY MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
12	525784.6232	117238.8532	151.41	Set Rbr/AC[LOUNSBURY]: CP 12	1046+27.91	14.71 Rt.
13	526233.9019	117576.8373	139.14	Set Rbr/AC[LOUNSBURY]: CP 13	1051+88.38	15.11 Rt.
14	527352.1728	118276.3704	124.41	Set Rbr/AC[LOUNSBURY]: CP 14	1065+07.42	14.70 Rt.
15	527992.9000	118668.3165	124.94	Set Rbr/AC[LOUNSBURY]: CP 15	1072+57.80	15.43 Rt.

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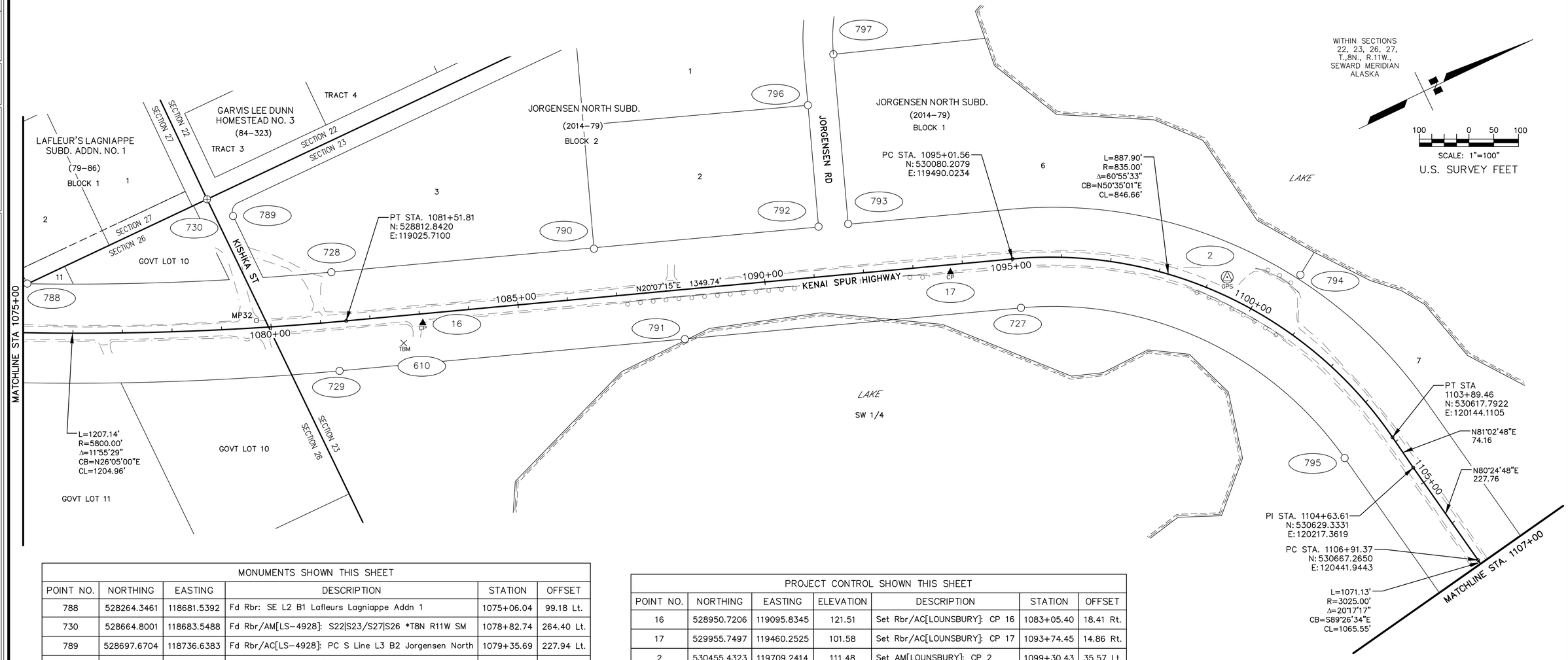
ALASKA	0490017/CFHWY00852	2025	A10	A21



MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
788	528264.3461	118681.5392	Fd Rbr: SE L2 B1 Lafleurs Lagniappe Addn 1	1075+06.04	99.18 Lt.
730	528664.8001	118683.5488	Fd Rbr/AM[LS-4928]: S22|S23/S27|S26 *T8N R11W SM	1078+82.74	264.40 Lt.
789	528697.6704	118736.6383	Fd Rbr/AC[LS-4928]: PC S Line L3 B2 Jorgensen North	1079+35.69	227.94 Lt.
729	528757.5954	119111.0779	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1081+29.68	99.21 Rt.
728	528828.1159	118924.1983	Fd Rbr/PC[LS-8859]: PT E Line L3 B2 Jorgensen North	1081+30.87	100.53 Lt.
790	529326.6733	119108.8922	Fd Rbr: NE L3 B2 Jorgensen North	1086+62.90	98.65 Lt.
791	529413.8122	119352.1163	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1088+28.39	99.75 Rt.
792	529754.8888	119263.1960	Fd Rbr/AC[LS-4928]: NE L2 B2 Jorgensen North	1091+18.06	101.07 Lt.
796	529840.7976	119032.8072	Fd Rbr/PC[LS-8859]: NW L2 B2 Jorgensen North	1091+19.47	346.95 Lt.
793	529811.2711	119283.8028	Fd Rbr/AC[LS-4928]: SE L6 B1 Jorgensen North	1091+78.09	101.12 Lt.
797	529931.3616	118961.8547	Fd Rbr/PC[LS-8859]: SW L6 B1 Jorgensen North	1091+80.10	444.73 Lt.
727	530053.2323	119586.4464	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1095+10.46	99.78 Rt.
794	530590.8672	119768.3240	Fd Rbr: NE L6 B1 Jorgensen North	1100+48.22	109.68 Lt.
795	530512.6051	120140.4997	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1103+66.71	103.07 Rt.

PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
16	528950.7206	119095.8345	121.51	Set Rbr/AC[LOUNSBURY]: CP 16	1083+05.40	18.41 Rt.
17	529955.7497	119460.2525	101.58	Set Rbr/AC[LOUNSBURY]: CP 17	1093+74.45	14.86 Rt.
2	530455.4323	119709.2414	111.48	Set AM[LOUNSBURY]: CP 2	1099+30.43	35.57 Lt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
610	528899	119116	126.03	Set Spike in 15" Birch: TBM 610	1082+63.34	55.23 Rt.

SHEET A10 LEGEND

- GPS — GPS CONTROL POINT
- CP — CONTROL POINT
- TBM — TEMPORARY BENCH MARK
- MISC. CORNER
- PRIMARY MONUMENT
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

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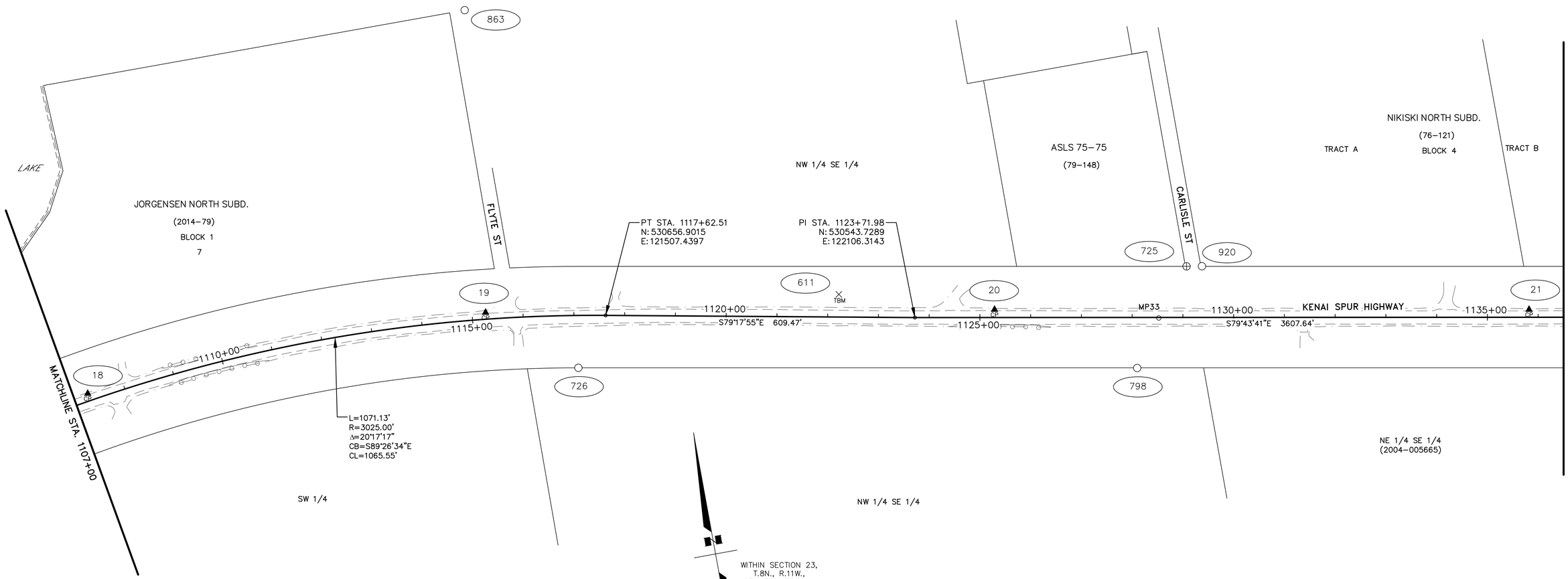
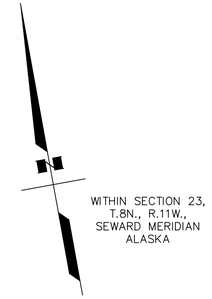
ALASKA	0490017/CFHWY00852	2025	A11	A21





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SCALE: 1"=100"
U.S. SURVEY FEET

PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
18	530687.6785	120475.7156	94.88	Set Rbr/AC[LOUNSBURY]: CP 18	1107+27.90	14.73 Lt.
19	530704.7406	121275.6151	107.44	Set Rbr/AC[LOUNSBURY]: CP 19	1115+26.62	13.19 Lt.
20	530531.1580	122263.4409	151.53	Set Rbr/AC[LOUNSBURY]: CP 20	1125+28.83	15.65 Lt.
21	530342.8972	123299.7859	165.55	Set Rbr/AC[LOUNSBURY]: CP 21	1135+82.14	15.21 Lt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
611	530616	121967	144.42	Set Spike in 30" Cottonwood: TBM 611	1122+21.69	44.70 Lt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
863	531298.6391	121341.7150	Fd Rbr/AC[LS–4928]: C 1/4 S23 *T8N R11W SM	1115+27.64	610.76 Lt.
726	530564.8019	121436.1112	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1117+07.65	103.26 Rt.
798	530367.5244	122519.4342	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1128+09.90	99.71 Rt.
725	530547.3997	122650.9824	Fd Aluminum Pipe: SE ASLS 75–75	1129+07.27	100.74 Lt.
920	530542.2484	122680.8823	Fd Rbr/PC: SW Tr A Bk 4 Nikiski North	1129+37.60	101.00 Lt.

SHEET A11 LEGEND

- CP — CONTROL POINT
- TBM — TEMPORARY BENCH MARK
- PRIMARY MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

DATE	####
####	----

STATE OF ALASKA 49TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

LOUNSBURY & ASSOCIATES, INC.
3230 C ST, SUITE 201,
ANCHORAGE, AK 99503
(907) 272–5451
CERTIFICATE OF AUTHORITY NO. AECC391

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29–38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY	JV
CHECKED BY	
DRAFTED BY	BS

SCALE 1"=100'

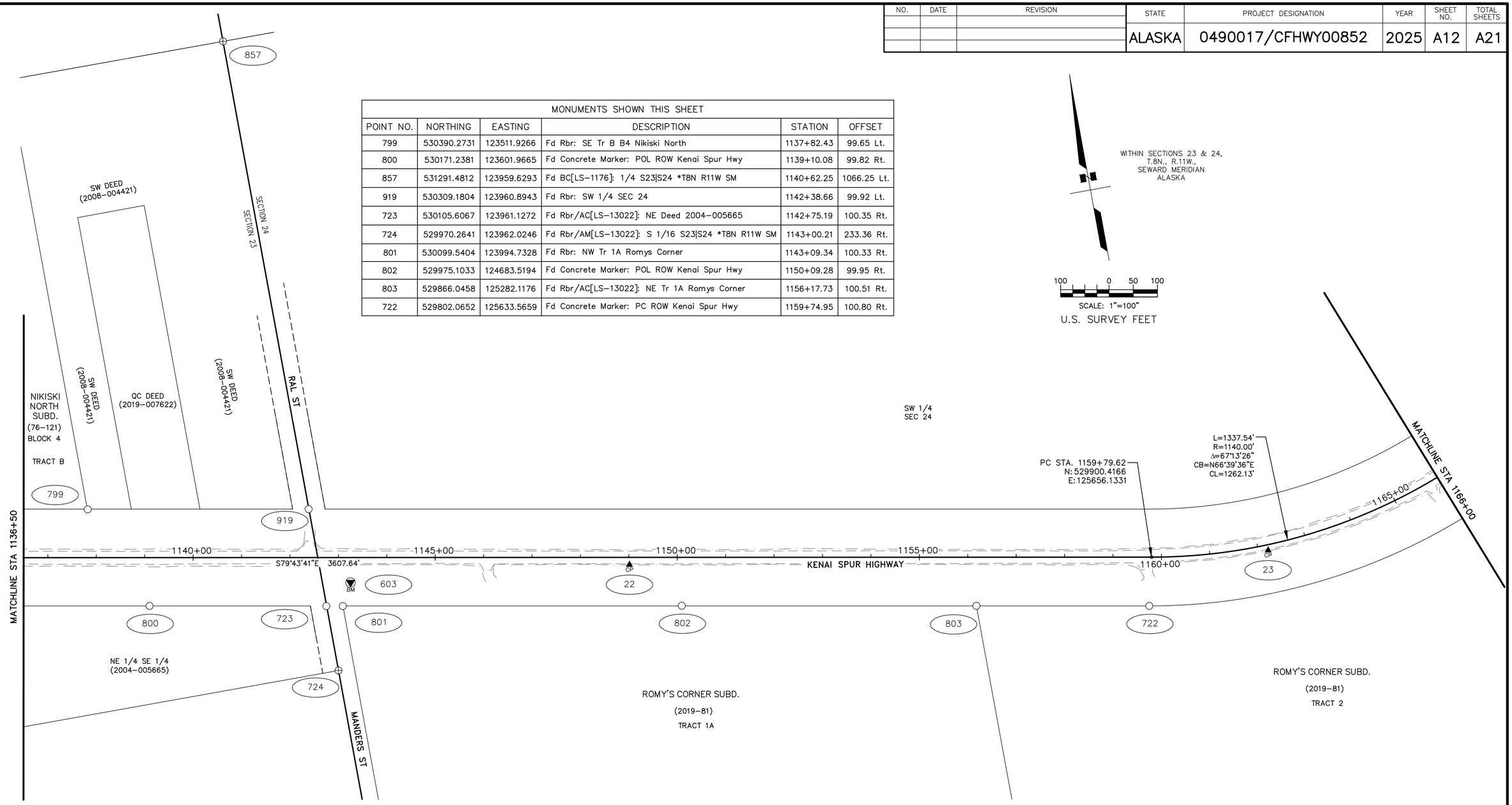
DATE 5/22/2025 TIME 10:08 AM

DRAWING LOCATION
\DWG\KSH_SCS.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A12	A21

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
799	530390.2731	123511.9266	Fd Rbr: SE Tr B B4 Nikiski North	1137+82.43	99.65 Lt.
800	530171.2381	123601.9665	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1139+10.08	99.82 Rt.
857	531291.4812	123959.6293	Fd BC[LS-1176]: 1/4 S23|S24 *T8N R11W SM	1140+62.25	1066.25 Lt.
919	530309.1804	123960.8943	Fd Rbr: SW 1/4 SEC 24	1142+38.66	99.92 Lt.
723	530105.6067	123961.1272	Fd Rbr/AC[LS-13022]: NE Deed 2004-005665	1142+75.19	100.35 Rt.
724	529970.2641	123962.0246	Fd Rbr/AM[LS-13022]: S 1/16 S23|S24 *T8N R11W SM	1143+00.21	233.36 Rt.
801	530099.5404	123994.7328	Fd Rbr: NW Tr 1A Romys Corner	1143+09.34	100.33 Rt.
802	529975.1033	124683.5194	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1150+09.28	99.95 Rt.
803	529866.0458	125282.1176	Fd Rbr/AC[LS-13022]: NE Tr 1A Romys Corner	1156+17.73	100.51 Rt.
722	529802.0652	125633.5659	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1159+74.95	100.80 Rt.



PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
22	530077.8447	124592.3090	154.27	Set Rbr/AC[LOUNSBURY]: CP 22	1149+01.21	15.12 Rt.
23	529871.2556	125895.5110	169.79	Set Rbr/AC[LOUNSBURY]: CP 23	1162+19.74	11.46 Rt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
603	530145	124019	159.60	Set AM[LOUNSBURY]: VBM 603	1143+25.13	51.71 Rt.

SHEET A12 LEGEND

- CP — CONTROL POINT
- BM — VERTICAL BENCH MARK
- PRIMARY MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

DATE	####
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STATE OF ALASKA
49 TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

LOUNSBURY & ASSOCIATES, INC.
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY	JV
CHECKED BY	
DRAFTED BY	BS

SCALE 1"=100'

DATE 5/22/2025 TIME 10:08 AM

DRAWING LOCATION
\DWG\KSH_SCS.DWG

NO.	DATE	REVISION

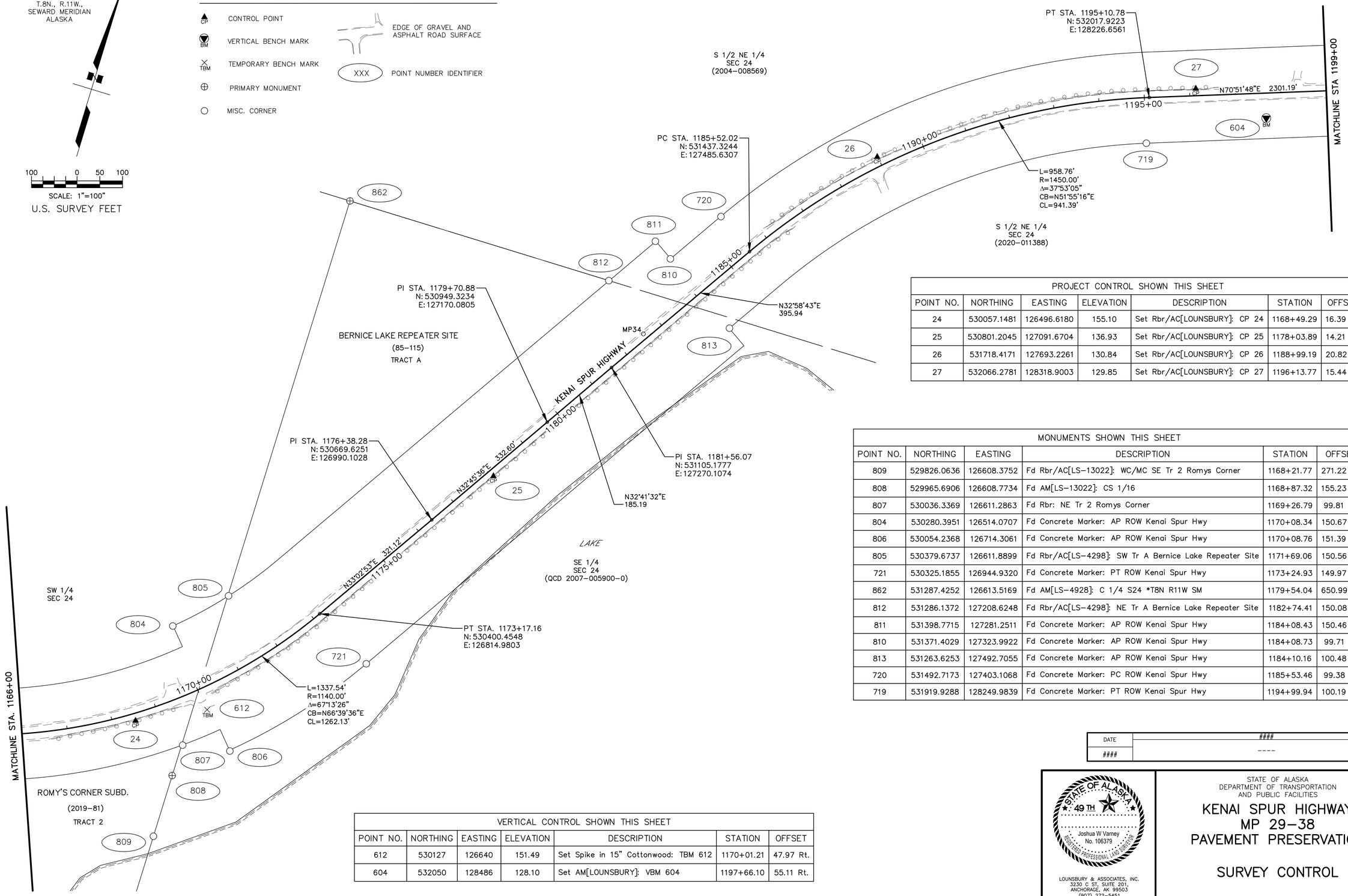
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A13	A21

WITHIN SECTION 24,
T.8N., R.11W.,
SEWARD MERIDIAN
ALASKA

SHEET A13 LEGEND

- CP — CONTROL POINT
- BM — VERTICAL BENCH MARK
- TBM — TEMPORARY BENCH MARK
- PRIMARY MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

100 0 50 100
SCALE: 1"=100"
U.S. SURVEY FEET



PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
24	530057.1481	126496.6180	155.10	Set Rbr/AC[LOUNSBURY]: CP 24	1168+49.29	16.39 Rt.
25	530801.2045	127091.6704	136.93	Set Rbr/AC[LOUNSBURY]: CP 25	1178+03.89	14.21 Rt.
26	531718.4171	127693.2261	130.84	Set Rbr/AC[LOUNSBURY]: CP 26	1188+99.19	20.82 Lt.
27	532066.2781	128318.9003	129.85	Set Rbr/AC[LOUNSBURY]: CP 27	1196+13.77	15.44 Lt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
809	529826.0636	126608.3752	Fd Rbr/AC[LS-13022]: WC/MC SE Tr 2 Romys Corner	1168+21.77	271.22 Rt.
808	529965.6906	126608.7734	Fd AM[LS-13022]: CS 1/16	1168+87.32	155.23 Rt.
807	530036.3369	126611.2863	Fd Rbr: NE Tr 2 Romys Corner	1169+26.79	99.81 Rt.
804	530280.3951	126514.0707	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1170+08.34	150.67 Lt.
806	530054.2368	126714.3061	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1170+08.76	151.39 Rt.
805	530379.6737	126611.8899	Fd Rbr/AC[LS-4298]: SW Tr A Bernice Lake Repeater Site	1171+69.06	150.56 Lt.
721	530325.1855	126944.9320	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1173+24.93	149.97 Rt.
862	531287.4252	126613.5169	Fd AM[LS-4928]: C 1/4 S24 *T8N R11W SM	1179+54.04	650.99 Lt.
812	531286.1372	127208.6248	Fd Rbr/AC[LS-4298]: NE Tr A Bernice Lake Repeater Site	1182+74.41	150.08 Lt.
811	531398.7715	127281.2511	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1184+08.43	150.46 Lt.
810	531371.4029	127323.9922	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1184+08.73	99.71 Lt.
813	531263.6253	127492.7055	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1184+10.16	100.48 Rt.
720	531492.7173	127403.1068	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1185+53.46	99.38 Lt.
719	531919.9288	128249.9839	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1194+99.94	100.19 Rt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
612	530127	126640	151.49	Set Spike in 15" Cottonwood: TBM 612	1170+01.21	47.97 Rt.
604	532050	128486	128.10	Set AM[LOUNSBURY]: VBM 604	1197+66.10	55.11 Rt.

DATE	###
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STATE OF ALASKA
49TH
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY	JV
CHECKED BY	
DRAFTED BY	BS

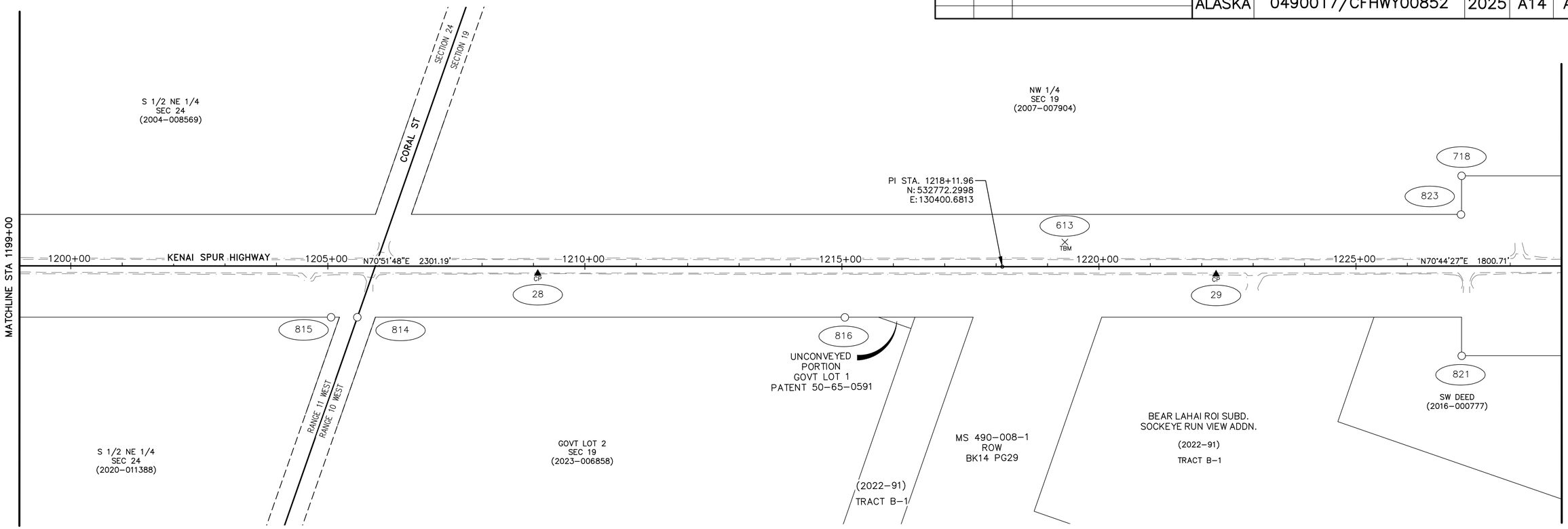
SCALE 1"=100'

DATE 5/22/2025 TIME 10:08 AM

DRAWING LOCATION
\DWG\KSH_SCS.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A14	A21



PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
28	532462.7720	129551.6628	117.13	Set Rbr/AC[LOUNSBURY]: CP 28	1209+08.39	14.10 Rt.
29	532895.1495	130798.2843	99.16	Set Rbr/AC[LOUNSBURY]: CP 29	1222+27.84	15.17 Rt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
613	532858	130500	105.16	Set Spike in 14" Birch: TBM 613	1219+33.79	47.75 Lt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
815	532250.2353	129199.8627	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1205+06.36	99.56 Rt.
814	532267.0517	129248.0976	Fd Rbr/PC[LS_8205]: NW L2 S19 *T8N R11W|R10W SM	1205+57.44	99.49 Rt.
816	532578.4884	130143.9248	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1215+05.86	98.93 Rt.
823	533161.3831	131210.1437	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1227+04.46	100.31 Lt.
821	532902.1688	131301.7965	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1227+05.49	174.62 Rt.
718	533232.9316	131186.4695	Fd Concrete Marker: AP ROW Kenai Spur Hwy	1227+05.71	175.67 Lt.

SHEET A14 LEGEND

- CP — CONTROL POINT
- TBM — TEMPORARY BENCH MARK
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

WITHIN SEC. 24, T.8N., R.11W.,
AND SEC. 19, T.8N., R.10W.,
SEWARD MERIDIAN
ALASKA

100 0 50 100
SCALE: 1"=100"
U.S. SURVEY FEET

DATE	####
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STATE OF ALASKA
49TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

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KENAI SPUR HIGHWAY
MP 29–38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY	JV
CHECKED BY	
DRAFTED BY	BS

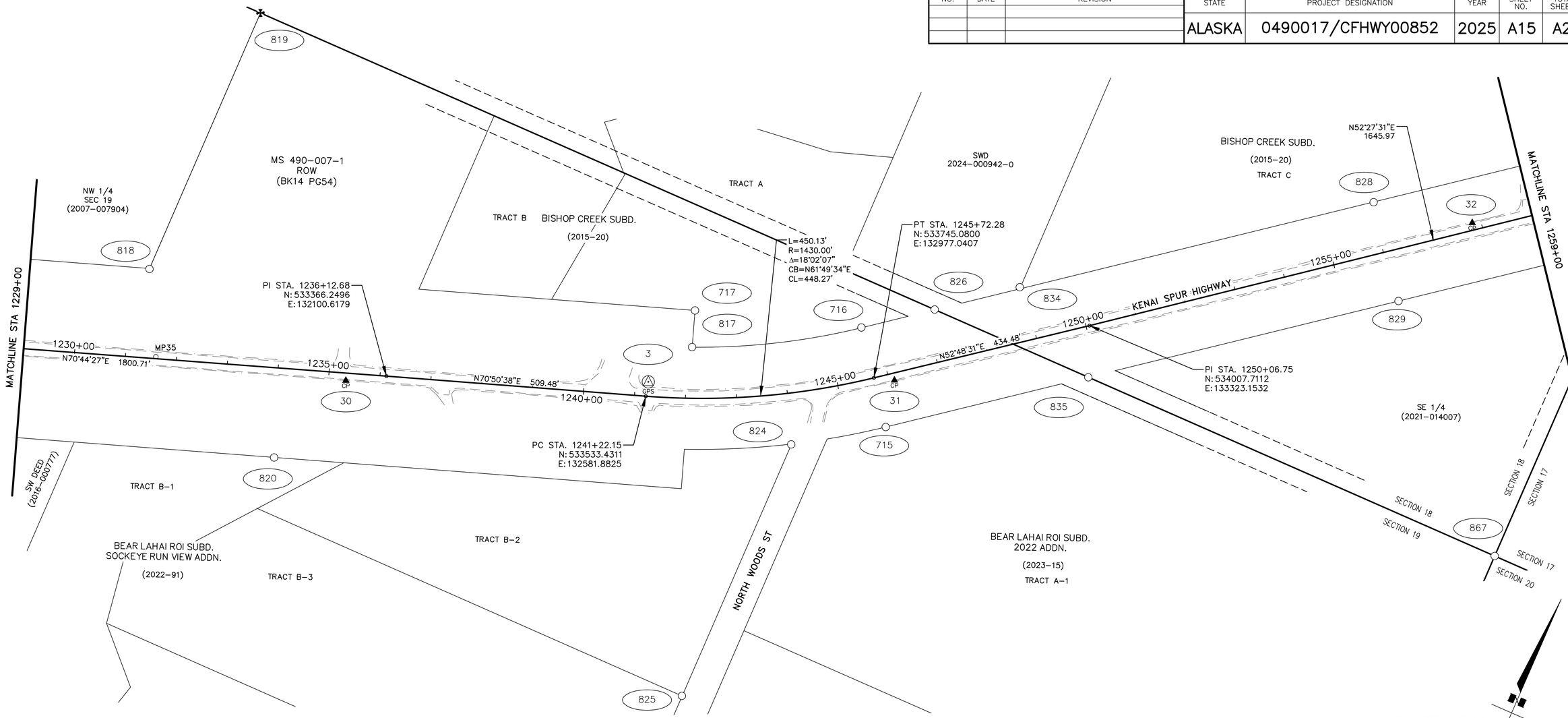
SCALE 1"=100'

DATE 5/22/2025 TIME 10:08 AM

DRAWING LOCATION
\DWG\KSH_SCS.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A15	A21



WITHIN SECTIONS 17-20,
T.8N., R.10W.,
SEWARD MERIDIAN
ALASKA

100 0 50 100
SCALE: 1"=100"
U.S. SURVEY FEET

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
818	533372.8037	131591.3105	Fd Rbr/PC: SW Tr B Bishop Creek	1231+34.03	174.18 Lt.
819	533919.0171	131590.0739	Fd BC[GLO]: 1/4 S18/S19 *T8N R10W SM	1233+13.03	690.23 Lt.
820	533132.2451	131962.6116	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1234+05.21	175.39 Rt.
825	533024.0770	132881.3519	Fd Rbr/PC[LS-8859]: SE Tr B2 Bear Lahai Roi Subd Sockeye Run View Addn	1242+04.43	582.75 Rt.
817	533657.8299	132626.5584	Fd Rbr/PC: AP ROW Kenai Spur Hwy	1242+11.49	100.26 Lt.
717	533725.8625	132603.0919	Fd Rbr/PC[INTEGRITY]: AP ROW Kenai Spur Hwy	1242+16.78	172.06 Lt.
824	533560.9830	132880.7055	Fd Rbr/PC[LS-8859]: NE Tr B2 Bear Lahai Roi Subd Sockeye Run View Addn	1243+96.10	100.02 Rt.
716	533825.6900	132915.1206	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1245+71.63	101.64 Lt.
715	533666.1456	133036.7530	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1245+72.14	98.98 Rt.
826	533915.3435	133032.6081	Fd Rbr/PC[LS-11795]: SE Tr A Bishop Creek	1247+19.46	102.05 Lt.
834	534021.9626	133167.9444	Fd Rbr: SW Tr C Bishop Creek	1248+91.72	105.17 Lt.
835	533914.0633	133361.4892	Fd Rbr: NW Tr A1 Bear Lahai Roi 2022 Addn	1249+80.68	97.78 Rt.
828	534451.7768	133736.5894	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1256+05.16	100.18 Lt.
829	534294.0121	133858.6489	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1256+05.81	99.28 Rt.
867	533911.8872	134230.9610	Fd IP: S18|S17/S19|S20 *T8N R10W SM	1256+68.18	629.14 Rt.

PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
30	533326.4498	132031.2303	43.80	Set Rbr/AC[LOUNSBURY]: CP 30	1235+34.04	14.69 Rt.
3	533561.1622	132575.2001	46.23	Set AM[LOUNSBURY]: CP 3	1241+25.00	28.39 Lt.
31	533756.8389	133015.8408	53.40	Set Rbr/AC[LOUNSBURY]: CP 31	1246+10.29	14.09 Rt.
32	534491.9563	133929.7818	65.97	Set Rbr/AC[LOUNSBURY]: CP 32	1257+82.82	14.32 Lt.

SHEET A15 LEGEND

- GPS — GPS CONTROL POINT
- CP — CONTROL POINT
- FEDERAL GOV'T MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

DATE	####
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STATE OF ALASKA
49 TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

LOUNSBURY & ASSOCIATES, INC.
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STATE OF ALASKA
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KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY	JV
CHECKED BY	
DRAFTED BY	BS

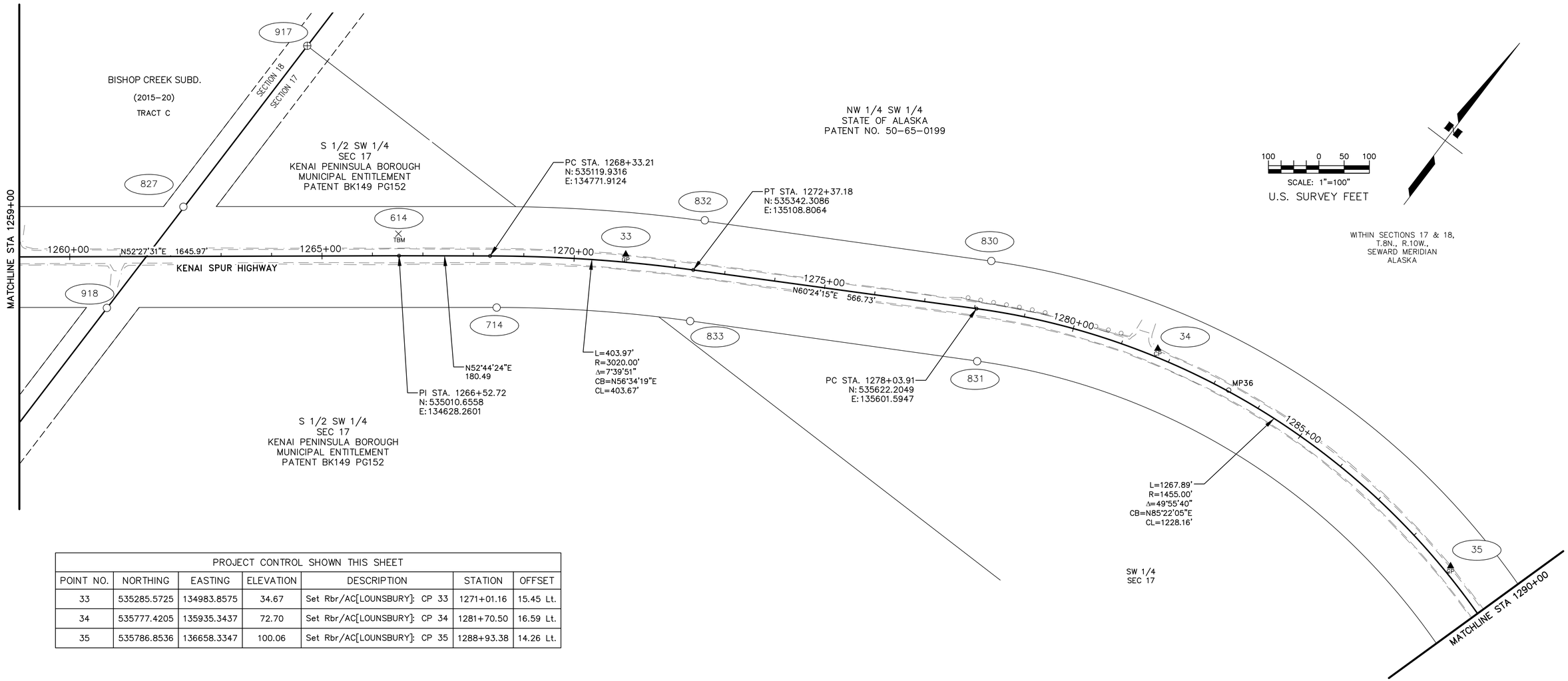
SCALE 1"=100'

DATE 5/22/2025 TIME 10:09 AM

DRAWING LOCATION
\DWG\KSH_SCS.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A16	A21



PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
33	535285.5725	134983.8575	34.67	Set Rbr/AC[LOUNSBURY]: CP 33	1271+01.16	15.45 Lt.
34	535777.4205	135935.3437	72.70	Set Rbr/AC[LOUNSBURY]: CP 34	1281+70.50	16.59 Lt.
35	535786.8536	136658.3347	100.06	Set Rbr/AC[LOUNSBURY]: CP 35	1288+93.38	14.26 Lt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
614	535045	134601	36.35	Set Spike in 16" Cottonwood: TBM 614	1266+51.71	43.53 Lt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
918	534576.9704	134230.7853	Fd Rbr: NE 2021–014007	1260+73.29	101.68 Rt.
827	534828.3706	134229.6056	Fd Rbr/PC[LS–11795]: SE Tr C Bishop Creek	1262+25.55	98.38 Lt.
917	535231.0374	134231.0383	Fd AM[LS–11795]: S 1/16 S18|S17 *T8N R10W SM	1264+72.04	416.78 Lt.
714	535046.5502	134844.3852	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1268+46.93	102.25 Rt.
833	535258.0216	135165.5358	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1272+44.88	101.31 Rt.
832	535434.4738	135067.2261	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1272+46.54	100.68 Lt.
830	535715.0382	135567.5446	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1278+19.13	97.62 Lt.
831	535540.1661	135665.9773	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1278+20.55	103.04 Rt.

SHEET A16 LEGEND

- CP — CONTROL POINT
- TBM — TEMPORARY BENCH MARK
- PRIMARY MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

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49TH
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CHECKED BY	
DRAFTED BY	BS

SCALE 1"=100'

DATE 5/22/2025 TIME 10:09 AM

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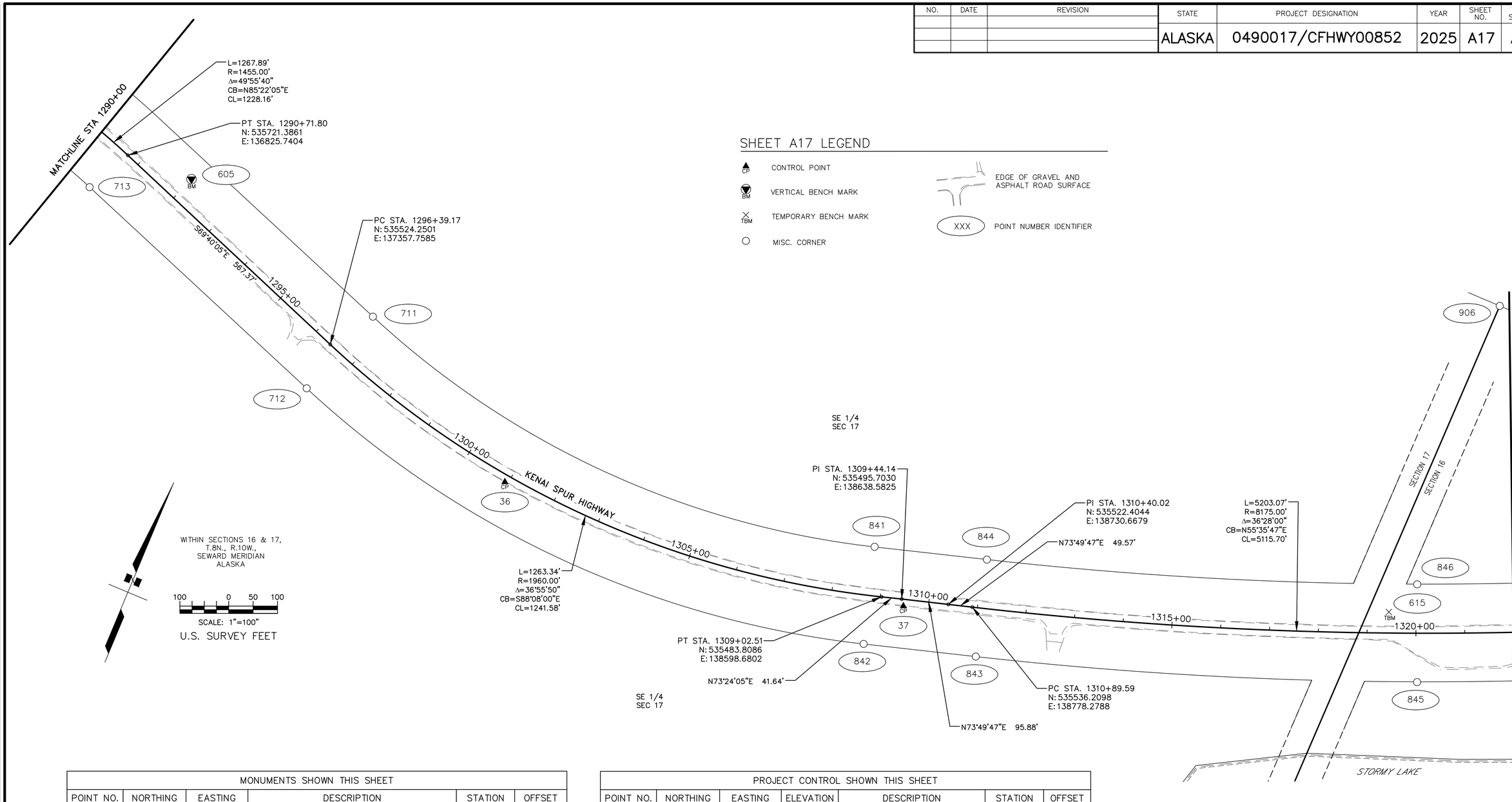
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A17	A21



SHEET A17 LEGEND

- CP — CONTROL POINT
- BM — VERTICAL BENCH MARK
- TBM — TEMPORARY BENCH MARK
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
713	535630.9541	136778.7582	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1290+58.23	101.06 Rt.
712	535422.8409	137347.8957	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1296+63.91	98.68 Rt.
711	535610.5060	137416.3524	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1296+65.50	101.07 Lt.
841	535572.8498	138545.9562	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1308+76.06	100.22 Lt.
842	535380.7903	138601.9659	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1308+77.50	99.83 Rt.
843	535445.6499	138823.8312	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1311+07.90	99.68 Rt.
844	535637.5159	138768.1968	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1311+08.35	100.08 Lt.
846	535931.2564	139600.5918	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1320+02.45	100.12 Lt.
845	535746.4381	139677.5676	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1320+02.59	100.09 Rt.
906	536522.1694	139536.2672	Fd IP: 1/4 S17|S16 *T8N R10W SM	1321+84.75	668.60 Lt.

PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
36	535402.7984	137796.2779	121.04	Set Rbr/AC[LOUNSBURY]: CP 36	1300+93.34	14.28 Rt.
37	535483.7490	138647.1391	129.74	Set Rbr/AC[LOUNSBURY]: CP 37	1309+49.03	13.86 Rt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
605	535727	136965	104.22	Set AM[LOUNSBURY]: VBM 605	1292+00.53	53.22 Lt.
615	535857	139569	116.58	Set Spike in 26" Birch: TBM 615	1319+44.24	43.09 Lt.

DATE	
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STATE OF ALASKA
49 TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

LOUNSBURY & ASSOCIATES, INC.
3230 C ST, SUITE 201,
ANCHORAGE, AK 99503
(907) 272-5451
CERTIFICATE OF AUTHORITY NO. AECC391

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY	JV
CHECKED BY	
DRAFTED BY	BS

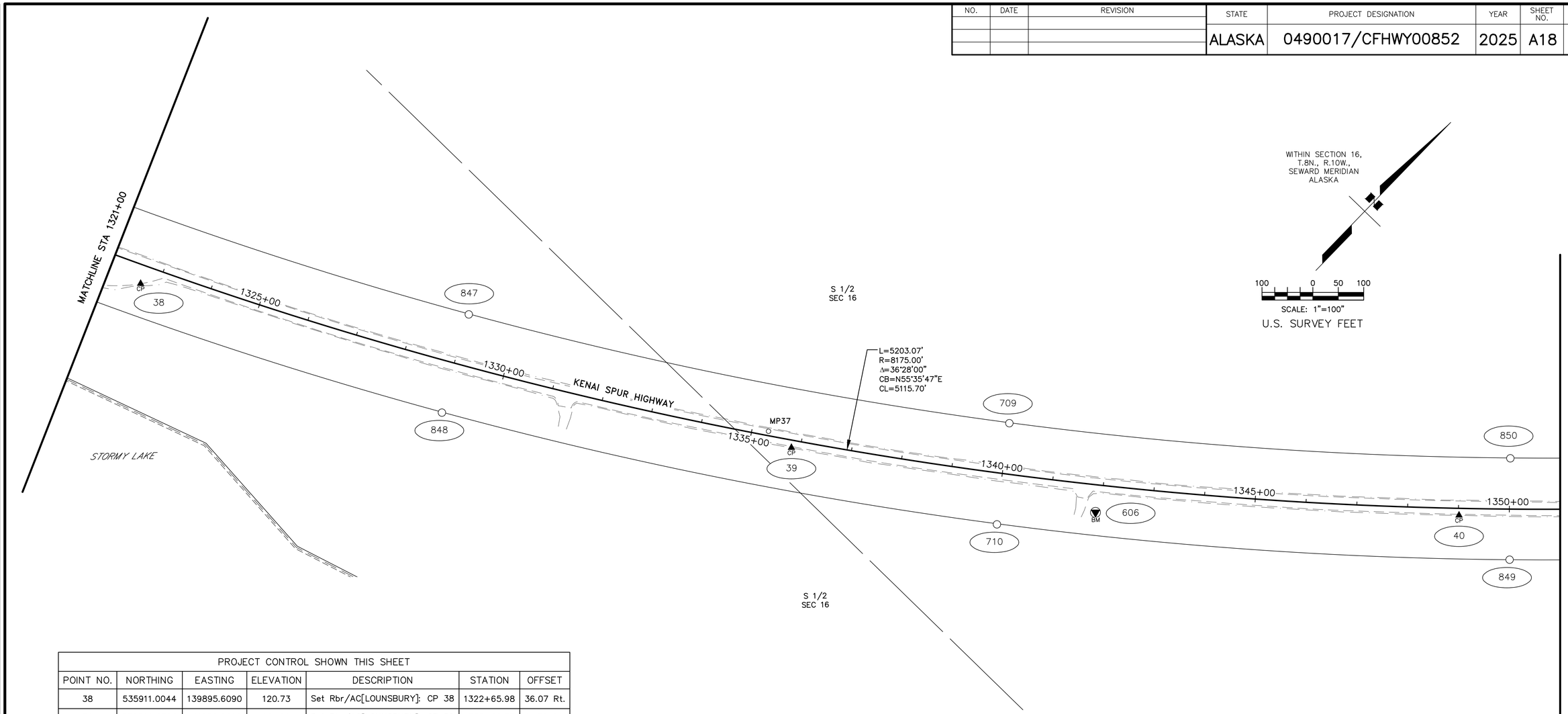
SCALE 1"=100'

DATE 5/22/2025 TIME 10:09 AM

DRAWING LOCATION \DWG\KSH_SCS.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A18	A21



PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
38	535911.0044	139895.6090	120.73	Set Rbr/AC[LOUNSBURY]: CP 38	1322+65.98	36.07 Rt.
39	536569.8588	141038.9896	121.22	Set Rbr/AC[LOUNSBURY]: CP 39	1335+82.77	14.76 Rt.
40	537387.8682	142074.2786	117.29	Set Rbr/AC[LOUNSBURY]: CP 40	1349+01.37	13.64 Rt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
606	536895	141557	119.38	Set AM[LOUNSBURY]: VBM 606	1341+90.39	54.12 Rt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
848	536141.1765	140497.5252	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1329+02.06	100.32 Rt.
847	536316.5113	140401.2162	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1329+02.39	99.73 Lt.
709	536902.5693	141313.3455	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1340+00.78	99.67 Lt.
710	536742.8564	141434.1717	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1340+02.62	100.59 Rt.
850	537538.5054	142068.8871	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1350+01.15	99.80 Lt.
849	537394.4284	142206.4444	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1350+01.46	99.40 Rt.

SHEET A18 LEGEND

- CP — CONTROL POINT
- BM — VERTICAL BENCH MARK
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

DATE	####
####	----

STATE OF ALASKA 49TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

LOUNSBURY & ASSOCIATES, INC.
3230 C ST, SUITE 201,
ANCHORAGE, AK 99503
(907) 272-5451
CERTIFICATE OF AUTHORITY NO. AECC391

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY	JV
CHECKED BY	
DRAFTED BY	BS

SCALE 1"=100'

DATE 5/22/2025 TIME 10:09 AM

DRAWING LOCATION
\DWG\KSH_SCS.DWG

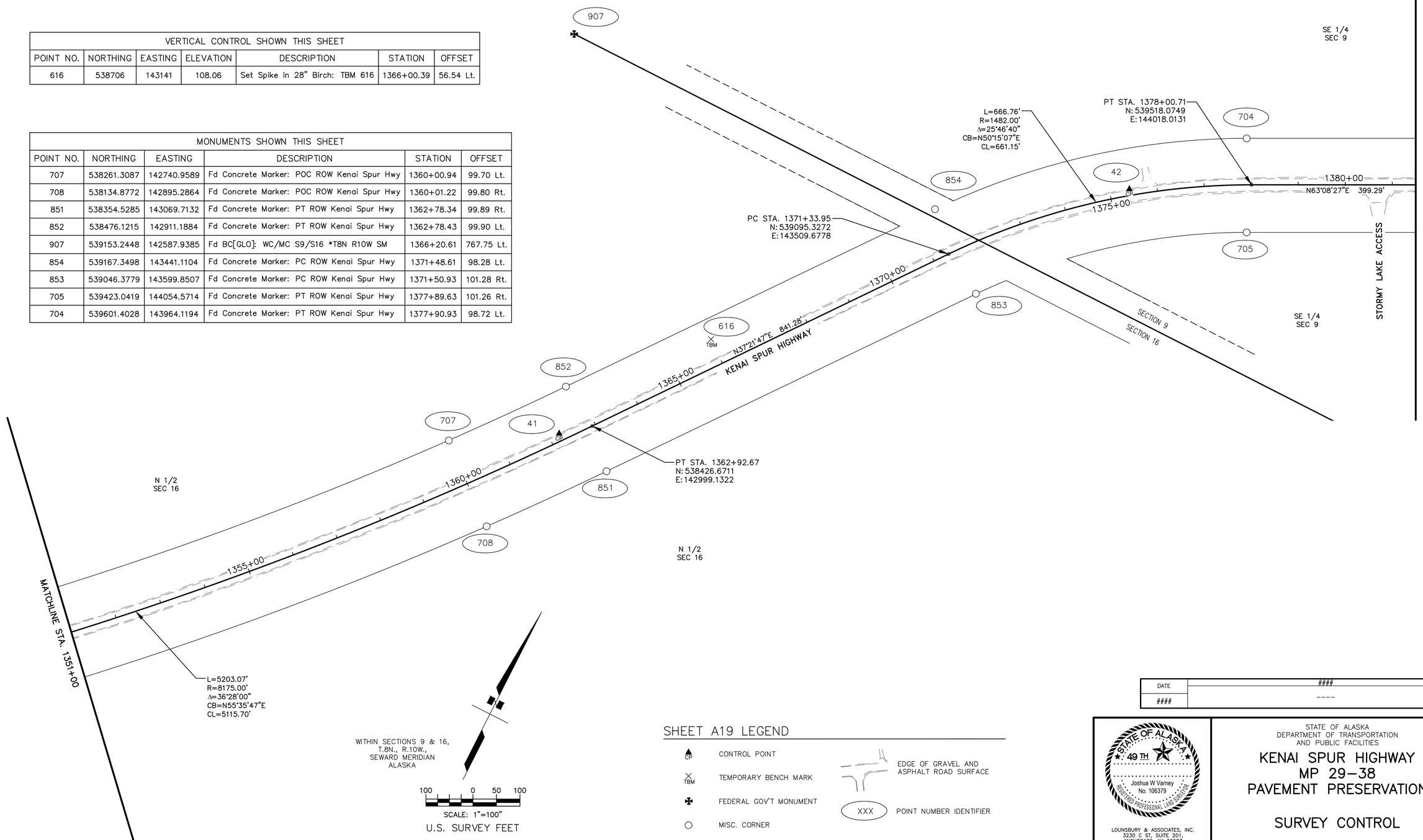
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A19	A21

PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
41	538380.3061	142943.6917	112.73	Set Rbr/AC[LOUNSBURY]: CP 41	1362+22.04	15.62 Lt.
42	539392.2490	143790.5115	105.10	Set Rbr/AC[LOUNSBURY]: CP 42	1375+41.90	13.28 Lt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
616	538706	143141	108.06	Set Spike in 28" Birch: TBM 616	1366+00.39	56.54 Lt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
707	538261.3087	142740.9589	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1360+00.94	99.70 Lt.
708	538134.8772	142895.2864	Fd Concrete Marker: POC ROW Kenai Spur Hwy	1360+01.22	99.80 Rt.
851	538354.5285	143069.7132	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1362+78.34	99.89 Rt.
852	538476.1215	142911.1884	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1362+78.43	99.90 Lt.
907	539153.2448	142587.9385	Fd BC[GLO]: WC/MC S9/S16 *T8N R10W SM	1366+20.61	767.75 Lt.
854	539167.3498	143441.1104	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1371+48.61	98.28 Lt.
853	539046.3779	143599.8507	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1371+50.93	101.28 Rt.
705	539423.0419	144054.5714	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1377+89.63	101.26 Rt.
704	539601.4028	143964.1194	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1377+90.93	98.72 Lt.



SHEET A19 LEGEND

- CP — CONTROL POINT
- TBM — TEMPORARY BENCH MARK
- FEDERAL GOV'T MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

DATE	
####	####
####	----

STATE OF ALASKA
49TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

LOUNSBURY & ASSOCIATES, INC.
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29–38
PAVEMENT PRESERVATION

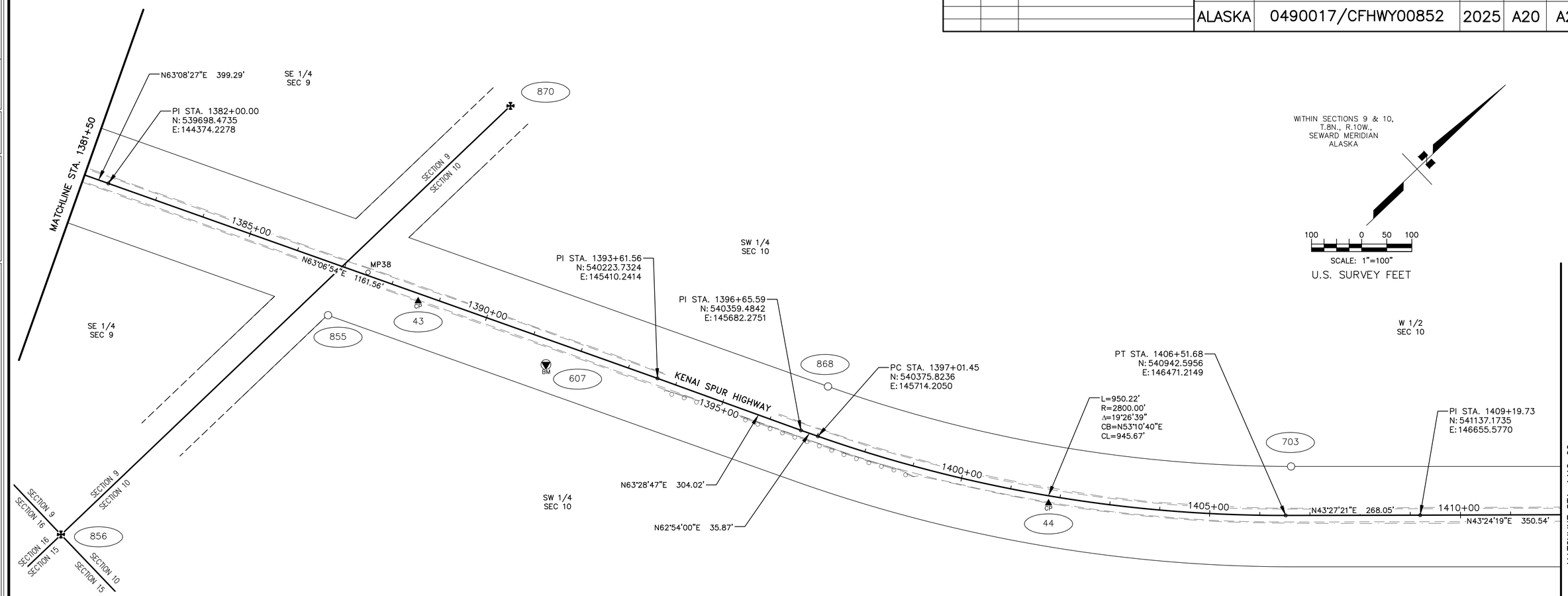
SURVEY CONTROL

DRAWING LOCATION
_DWG\KSH_SCS.DWG

DATE 5/22/2025 TIME 10:09 AM
SCALE 1"=100'
DESIGNED BY JV
CHECKED BY
DRAFTED BY BS

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A20	A21



PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
43	539984.1492	144969.8424	94.34	Set Rbr/AC[LOUNSBURY]: CP 43	1388+60.42	14.54 Rt.
44	540616.9591	146127.6423	89.37	Set Rbr/AC[LOUNSBURY]: CP 44	1401+79.19	14.55 Rt.

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
607	540082	145237	93.94	Set AM[LOUNSBURY]: VBM 607	1391+42.70	48.44 Rt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
856	539147.7952	144815.8902	Fd BC[GLO]: S9|S10/S16|S15 *T8N R10W SM	1383+44.91	690.88 Rt.
855	539834.7441	144866.4104	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1387+00.61	101.02 Rt.
870	540385.7287	144814.7701	Fd BC[GLO]: WC/MC S9|S10 *T8N R10W SM	1389+03.71	413.76 Lt.
868	540458.8245	145656.1144	Fd Concrete Marker: PC ROW Kenai Spur Hwy	1396+87.55	100.35 Lt.
703	541017.6722	146407.8756	Fd Concrete Marker: PT ROW Kenai Spur Hwy	1406+62.61	97.62 Lt.

SHEET A20 LEGEND

- CP — CONTROL POINT
- BM — VERTICAL BENCH MARK
- FEDERAL GOV'T MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

DATE	####
####	----

STATE OF ALASKA
49 TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

LOUNSBURY & ASSOCIATES, INC.
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY	JV
CHECKED BY	
DRAFTED BY	BS

SCALE 1"=100'

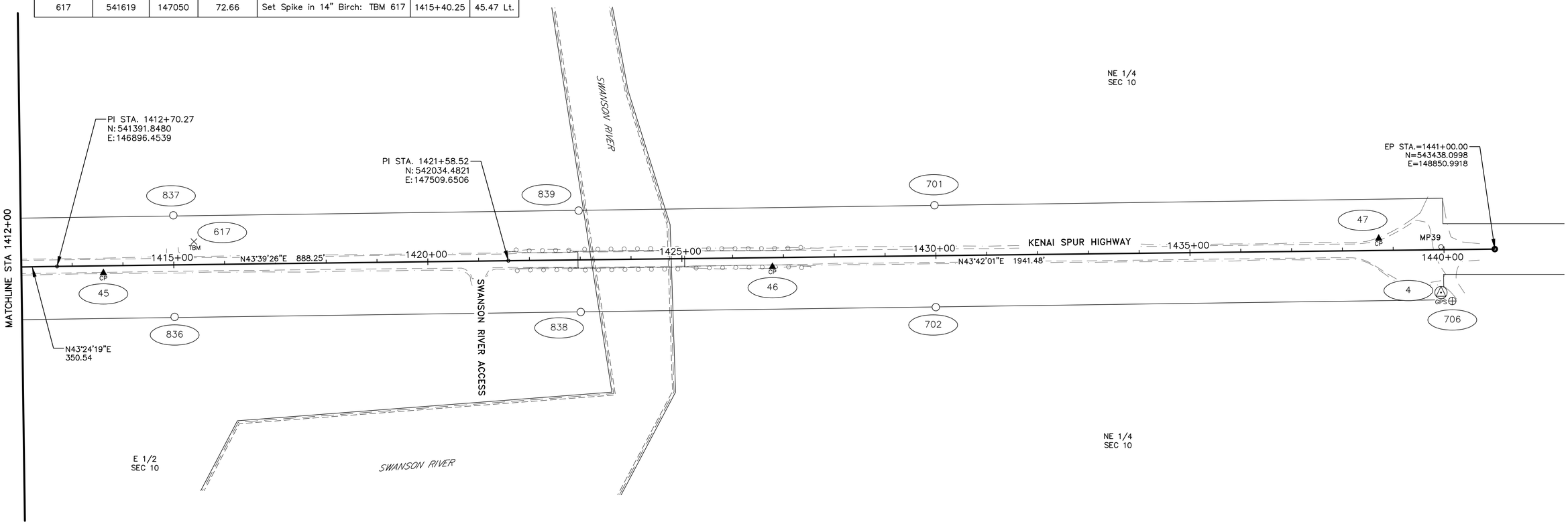
DATE 5/22/2025 TIME 10:09 AM

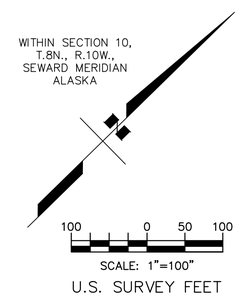
DRAWING LOCATION
\DWG\KSH_SCS.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	A21	A21

VERTICAL CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
617	541619	147050	72.66	Set Spike in 14" Birch: TBM 617	1415+40.25	45.47 Lt.





PROJECT CONTROL SHOWN THIS SHEET						
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
45	541448.0266	146969.5432	75.38	Set Rbr/AC[LOUNSBURY]: CP 45	1413+61.37	14.10 Rt.
46	542397.6600	147881.5784	36.47	Set Rbr/AC[LOUNSBURY]: CP 46	1426+78.05	17.98 Rt.
47	543289.4190	148676.2330	86.78	Set Rbr/AC[LOUNSBURY]: CP 47	1438+71.77	23.62 Lt.
4	543302.5498	148838.0618	94.87	Set AM[LOUNSBURY]: CP 4	1439+93.07	84.30 Rt.

MONUMENTS SHOWN THIS SHEET					
POINT NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
836	541487.6151	147129.3558	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1415+00.34	102.39 Rt.
837	541625.8025	146984.6488	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1415+00.42	97.70 Lt.
839	542202.4259	147535.7875	Fd Rebar: POL ROW Kenai Spur Hwy	1422+98.00	97.13 Lt.
838	542065.7218	147681.4590	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1422+99.81	102.63 Rt.
701	542710.3000	148018.0026	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1429+98.33	99.39 Lt.
702	542571.8407	148163.3642	Fd Concrete Marker: POL ROW Kenai Spur Hwy	1429+98.65	101.36 Rt.
706	543306.7965	148865.5533	Fd AM[4928–S]:	1440+15.13	101.24 Rt.

SHEET A21 LEGEND

- GPS — GPS CONTROL POINT
- CP — CONTROL POINT
- TBM — TEMPORARY BENCH MARK
- PRIMARY MONUMENT
- MISC. CORNER
- EDGE OF GRAVEL AND ASPHALT ROAD SURFACE
- XXX — POINT NUMBER IDENTIFIER

DATE	####
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STATE OF ALASKA
49TH
Joshua W Varney
No. 106379
REGISTERED PROFESSIONAL LAND SURVEYOR

LOUNSBURY & ASSOCIATES, INC.
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

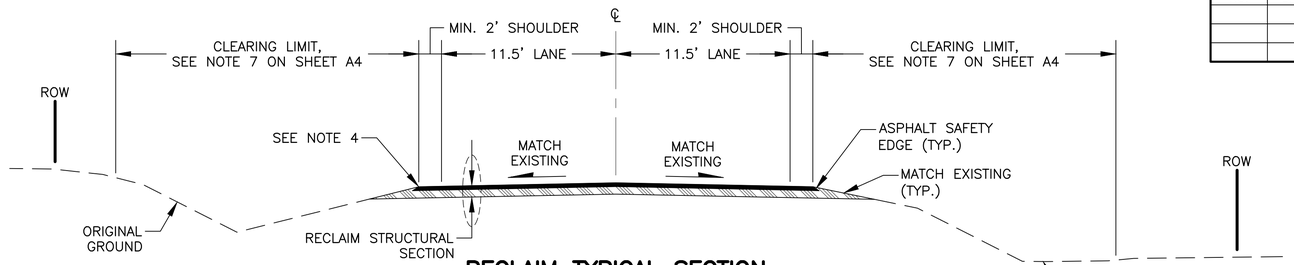
KENAI SPUR HIGHWAY
MP 29–38
PAVEMENT PRESERVATION

SURVEY CONTROL

DESIGNED BY JV
CHECKED BY
DRAFTED BY BS
SCALE 1"=100'
DATE 5/22/2025 TIME 10:10 AM
DRAWING LOCATION \DWG\KSH_SCS.DWG

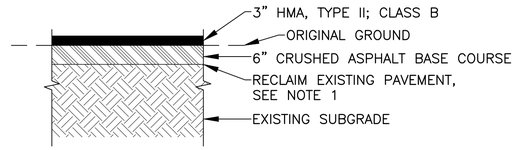
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	B1	B1

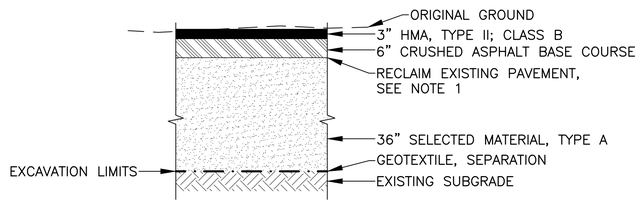


RECLAIM TYPICAL SECTION

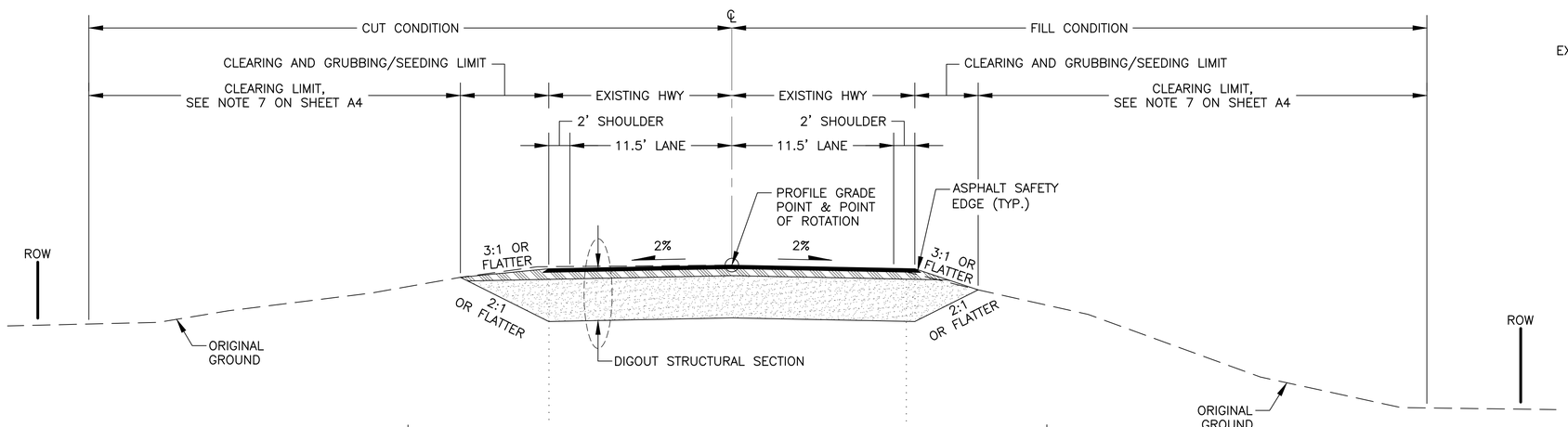
STA. 962+50.00 TO STA. 995+62.50
STA. 1001+37.50 TO STA. 1025+12.50
STA. 1032+87.50 TO STA. 1086+38.50
STA. 1097+87.50 TO STA. 1105+62.50
STA. 1119+00.00 TO STA. 1196+62.50
STA. 1205+37.50 TO STA. 1227+62.50
STA. 1254+37.50 TO STA. 1267+62.50
STA. 1270+37.50 TO STA. 1281+68.50
STA. 1298+37.50 TO STA. 1326+12.50
STA. 1336+87.50 TO STA. 1366+62.50
STA. 1380+26.50 TO STA. 1422+95.50
STA. 1437+13.50 TO STA. 1440+15.00

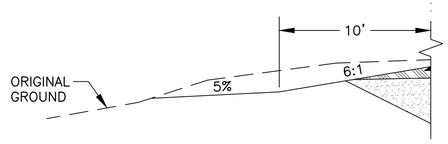


RECLAIM STRUCTURAL SECTION



DIGOUT STRUCTURAL SECTION



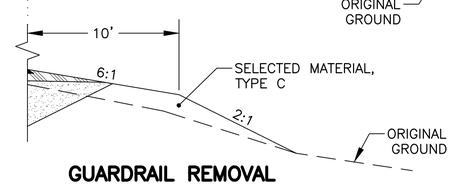


GUARDRAIL REMOVAL CUT DAYLIGHT SECTION

STA. 1108+30.00 TO STA. 1112+00.00

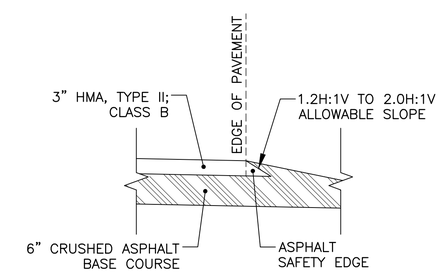
DIGOUT TYPICAL SECTION

STA. 995+62.50 TO STA. 1001+37.50
STA. 1025+12.50 TO STA. 1032+87.50
STA. 1086+38.50 TO STA. 1097+87.50
STA. 1105+62.50 TO STA. 1119+00.00
STA. 1196+62.50 TO STA. 1205+37.50
STA. 1227+62.50 TO STA. 1254+37.50
STA. 1267+62.50 TO STA. 1270+37.50
STA. 1281+68.50 TO STA. 1298+37.50
STA. 1326+12.50 TO STA. 1336+87.50
STA. 1366+62.50 TO STA. 1380+26.50
STA. 1425+14.50 TO STA. 1437+13.50



GUARDRAIL REMOVAL FILL DAYLIGHT SECTION

STA. 1108+30.00 TO STA. 1112+00.00



ASPHALT SAFETY EDGE DETAIL

N.T.S.

ASPHALT SAFETY EDGE NOTES:

1. LABOR AND EQUIPMENT REQUIRED TO CONSTRUCT THE ASPHALT SAFETY EDGE IS SUBSIDIARY TO PAY ITEM 401.0001.002B AND 401.0004.5228.
2. MATERIAL WILL BE MEASURED AND PAID UNDER PAY ITEMS 401.0001.002B AND 401.0004.5228.
3. DO NOT CONSTRUCT ASPHALT SAFETY EDGE ACROSS APPROACHES

GENERAL TYPICAL SECTION NOTES

1. TYPICAL RECLAMATION DEPTH IS 6" MEASURED FROM TOP OF THE EXISTING PAVEMENT SURFACE. STOCKPILE AND REUSE CRUSHED ASPHALT BASE COURSE PRIOR TO IMPORTING AGGREGATE BASE COURSE, GRADING D-1. IMPORTED AGGREGATE BASE COURSE WILL BE PAID UNDER ITEM 301.0001.00D1. DOUBLE HANDLING AND STOCKPILING OF CRUSHED ASPHALT BASE COURSE FOR FUTURE USE WILL NOT BE MEASURED DIRECTLY FOR PAYMENT AND IS SUBSIDIARY TO ITEM 308.0001.0000.
2. WITHIN TWO (2) DAYS AFTER PAVING, PLACE CRUSHED ASPHALT BASE COURSE AGAINST PAVEMENT EDGE TO ENSURE THERE IS NO VERTICAL DROP AT THE EDGE OF PAVEMENT. USE APPROVED TRAFFIC CONTROL DEVICES IN THE INTERIM.
3. TYPICAL SECTION STATIONS INDICATE THE BEGINNING AND END POINTS OF DIGOUT TRANSITION. SEE DIGOUT TRANSITION DETAILS ON SHEET E2.
4. WHEN PULLOUTS EXIST WITHIN RECLAIM SECTION, MATCH EXISTING PAVEMENT EDGE

STATE OF ALASKA
49TH
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

TYPICAL SECTIONS

DRAWING LOCATION	DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-B01-TYP.DWG	6/7/2025	2:15 PM	1" =1'	CSL	REH	CSL

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	C1	C1

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201.0001.0000	CLEARING	ACRE	105.9
201.0003.0000	CLEARING AND GRUBBING	ACRE	3.7
202.0011.0000	MULTIPLE MAILBOX INSTALLATION	EACH	18
202.0017.0000	REMOVAL OF CULVERT PIPE	EACH	41
202.2013.0000	REMOVAL OF FUGITIVE MATERIAL	LF	5930
203.0003.0000	UNCLASSIFIED EXCAVATION	C.Y.	66,610
203.0006.000A	BORROW, TYPE A	TON	104,800
204.0001.0000	STRUCTURE EXCAVATION	C.Y.	3,520
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	1,320
301.0004.00E1	AGGREGATE SURFACE COURSE, GRADING E-1	C.Y.	27
308.0001.0000	CRUSHED ASPHALT BASE COURSE	S.Y.	153,700
401.0001.002B	HMA, TYPE II; CLASS B	TON	26,540
401.0004.5228	ASPHALT BINDER, GRADE PG 52-28	TON	1,410
401.0015.0000	ASPHALT MATERIAL PRICE ADJUSTMENT	C.S.	ALL REQ'D
510.0001.0000	REMOVAL OF CONCRETE BRIDGE DECK	S.F.	6,032
510.2001.0000	BRIDGE DECK REPAIR	C.S.	ALL REQ'D
525.2001.0000	POLYESTER CONCRETE OVERLAY	L.S.	ALL REQ'D
603.0001.0060	CSP 60 INCH	L.F.	128
603.0021.0024	CORRUGATED POLYETHYLENE PIPE, 24 INCH	L.F.	1,638
603.0021.0036	CORRUGATED POLYETHYLENE PIPE, 36 INCH	L.F.	969
603.0021.0048	CORRUGATED POLYETHYLENE PIPE, 48 INCH	L.F.	143
603.2018.0000	CLEAN AND REPAIR PIPE	EACH	37
606.0001.0000	W-BEAM GUARDRAIL	L.F.	1,175
606.0006.0000	REMOVING AND DISPOSING OF GUARDRAIL	L.F.	1,533
606.0013.0000	PARALLEL GUARDRAIL TERMINAL	EACH	4
606.0016.0000	TRANSITION RAIL	EACH	2
610.0002.0000	DITCH LINING	TON	59
611.0002.0001	RIPRAP, CLASS I	TON	191
613.0002.0000	CULVERT MARKER POST	EACH	162
615.0001.0000	STANDARD SIGN	S.F.	657.81
615.0007.0000	SALVAGE AND DISPOSE SIGN	EACH	102
618.0002.0000	SEEDING	POUND	237
618.0003.0000	WATER FOR SEEDING	MGAL	158
628.2000.0000	FISH PASSAGE SUBSTRATE	L.S.	ALL REQ'D
630.0001.0003	GEOTEXTILE, SEPARATION - CLASS 3	S.Y.	70,000
631.0002.0001	GEOTEXTILE, EROSION CONTROL - CLASS I	S.Y.	510
639.2000.0000	APPROACH	EACH	73
640.0001.0000	MOBILIZATION & DEMOBILIZATION	L.S.	ALL REQ'D
640.0004.0000	WORKER MEALS & LODGING, OR PER DIEM	L.S.	ALL REQ'D

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
641.0001.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQ'D
641.0001.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	L.S.	ALL REQ'D
641.0001.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL ADDITITIVES	L.S.	ALL REQ'D
641.0006.0000	WITHHOLDINGS	C.S.	ALL REQ'D
641.0007.0000	SWPPP MANAGER	L.S.	ALL REQ'D
641.0008.0000	SWPPPTRACK	C.S.	ALL REQ'D
642.0001.0000	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D
642.0013.0000	THREE PERSON SURVEY PARTY	C.S.	ALL REQ'D
643.0002.0000	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	C.S.	ALL REQ'D
643.0025.0000	TRAFFIC CONTROL	C.S.	ALL REQ'D
643.0032.0000	FLAGGING	C.S.	ALL REQ'D
643.0033.0000	DETOUR	L.S.	ALL REQ'D
644.0001.0000	FIELD OFFICE	L.S.	ALL REQ'D
644.0002.0000	FIELD LABORATORY	L.S.	ALL REQ'D
644.0006.0000	VEHICLES	L.S.	ALL REQ'D
644.0015.0000	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1
644.0016.0000	STORAGE CONTAINER	EACH	1
644.2004.0000	ENGINEERING COMMUNICATIONS	C.S.	ALL REQ'D
646.0001.0000	CPM SCHEDULING	L.S.	ALL REQ'D
654.2002.0000	EAGLE MONITORING	C.S.	ALL REQ'D
670.0001.0000	PAINTED TRAFFIC MARKINGS	L.S.	ALL REQ'D
682.2000.0000	VAC-TRUCK POTHOLE	C.S.	ALL REQ'D

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	UNIT
203.0006.000A	BORROW, TYPE A	1.94 TON/C.Y.
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	1.94 TON/C.Y.
301.0004.00E1	AGGREGATE SURFACE COURSE, GRADING E-1	1.94 TON/C.Y.
401.0001.002B	HOT MIX ASPHALT, TYPE II; CLASS B	2.04 TON/C.Y.
401.0004.5228	ASPHALT BINDER, GRADE PG 52-28	5.3% OF TOTAL WEIGHT OF 401.0001.002B
610.0002.0000	DITCH LINING	1.49 TON/C.Y.
611.0002.0001	RIPRAP, CLASS I	1.46 TON/C.Y.
618.0002.0000	SEEDING	1.5 LBS./M.S.F.
618.0003.0000	WATER FOR SEEDING	1.0 GAL./S.F.

STATE OF ALASKA
49TH
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

ESTIMATE OF QUANTITIES

DESIGNED BY ---
CHECKED BY ---
DRAFTED BY ---
SCALE X" = XX'
DATE 6/7/2025 TIME 2:15 PM
DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-C01-EST.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	D1	D6

201.0001.0000 - CLEARING

STATION FROM	STATION TO	AREA (ACRES)	REMARKS
962+50.0	995+62.5	7.66	
995+62.5	1001+37.5	1.30	DIGOUT 1
1001+37.5	1025+12.5	5.93	
1025+12.5	1032+87.5	1.78	DIGOUT 2
1032+87.5	1086+38.5	12.68	
1086+38.5	1097+87.5	2.21	DIGOUT 3
1097+87.5	1105+62.5	1.69	
1105+62.5	1119+00.0	2.90	DIGOUT 4
1119+00.0	1196+62.5	17.99	
1196+62.5	1205+37.5	2.00	DIGOUT 5
1205+37.5	1227+62.5	4.44	
1227+62.5	1254+37.5	5.51	DIGOUT 6
1254+37.5	1267+62.5	2.12	
1267+62.5	1270+37.5	0.13	DIGOUT 7
1270+37.5	1281+68.5	1.55	
1281+68.5	1298+37.5	3.82	DIGOUT 8
1298+37.5	1326+12.5	6.33	
1326+12.5	1336+87.5	2.46	DIGOUT 9
1336+87.5	1366+62.5	7.09	
1366+62.5	1380+26.5	3.12	DIGOUT 10
1380+26.5	1422+95.5	10.10	
1422+95.5	1425+14.5	0.00	SWANSON RIVER BRIDGE
1425+14.5	1437+13.5	2.48	DIGOUT 11
1437+13.5	1440+15.0	0.56	
	TOTAL:	105.86	
	PAY ITEM QUANTITY:	105.9	

201.0003.0000 - CLEARING AND GRUBBING

STATION FROM	STATION TO	AREA (ACRES)	REMARKS
995+62.5	1001+37.5	0.15	DIGOUT 1
1025+12.5	1032+87.5	0.20	DIGOUT 2
1086+38.5	1097+87.5	0.31	DIGOUT 3
1105+62.5	1119+00.0	0.56	DIGOUT 4
1196+62.5	1205+37.5	0.24	DIGOUT 5
1227+62.5	1254+37.5	0.73	DIGOUT 6
1267+62.5	1270+37.5	0.06	DIGOUT 7
1281+68.5	1298+37.5	0.40	DIGOUT 8
1326+12.5	1336+87.5	0.26	DIGOUT 9
1366+62.5	1380+26.5	0.37	DIGOUT 10
1425+14.5	1437+13.5	0.33	DIGOUT 11
	TOTAL:	3.63	
	PAY ITEM QUANTITY:	3.7	

LUMP SUM QUANTITIES

ITEM	UNITS	QUANTITY	REMARKS
FISH PASSAGE SUBSTRATE	CY		SEE CC28A PIPE INSTALATION DETAILS, SHEET E8
DETOUR UNCALSSIFIED EXCAVATION	CY	28800	SEE J-SHEETS FOR DETOUR DETAILS
DETOUR AGGREGATE SURFACE COURCE, GRADING E-1	CY	1210	SEE J-SHEETS FOR DETOUR DETAILS

202.0011.0000 - MULTIPLE MAIL BOX INSTALLATION

SHEET	EXISTING STATION	EXISTING OFFSET	EXISTING QUANTITY	PROPOSED STATION	PROPOSED OFFSET	PROPOSED QUANTITY	REMARKS
	1025+26	51 RT	1	1025+26	51 RT	1	SINGLE MAILBOX
	1050+31	31 RT	1	1050+31	31 RT	1	SINGLE MAILBOX
	1079+59	24 RT	16	1079+59	24 RT	16	ROW OF INDIVIDUAL AND JOINED MAILBOXES
					PAY ITEM QUANTITY:	18	

STATE OF ALASKA
49TH
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SUMMARY TABLES

DESIGNED BY ---
CHECKED BY ---
DRAFTED BY ---
SCALE N/A
DATE 6/7/2025 TIME 2:16 PM
DRAWING LOCATION C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-D01-SUM.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	D2	D6

603 ITEMS - CROSS CULVERT SUMMARY TABLE

SHEET NO.	PIPE NO.	STATION	EXISTING DIAMETER (IN)	202.0017.0000 REMOVAL OF CULVERT PIPE (EA)	EXISTING CENTERLINE ELEVATION (FT)	INLET			OUTLET			603.0021.00__ CPP LENGTH (FT)			603.0001.0060 CSP 60 INCH LENGTH (FT)	603.2018.0000 CLEAN AND REPAIR PIPE (EA)	613.0002.0000 CULVERT MARKER POST (EA)	REMARKS
						STATION	OFFSET (FT)	INVERT ELEVATION (FT)	STATION	OFFSET (FT)	INVERT ELEVATION (FT)	24"	36"	48"				
F1	CC01	973+65	24	X	162.9	973+59.07	24.4 LT	159.9	973+74.40	32.8 RT	156	60					2	REPLACE
F1	CC02	986+52	24		149.5	986+50.02	43.5 LT	137.5	986+53.96	53.4 RT	132.5					X	2	REPAIR, CLEAN, & GRADE
F1	CC03	1005+63	30	X	117.1	1005+60.12	67.0 LT	92.7	1005+67.01	80.8 RT	86.1		148				2	REPLACE
F2	CC04	1014+17	24	X	75.5	1014+23.26	43.8 LT	70.2	1014+09.04	50.2 RT	67.0	95					2	REPLACE
F2, F11	CC05	1023+82	48	X	71.9													REMOVE
F2. F11	CC05A	1023+98				1023+63.99	59.2 RT	52.9	1024+35.00	64.4 LT	52.4			143			2	INSTALL
F2, F11	CC06	1028+67	24		70.3	1028+83.94	30.1 RT	64.2	1028+44.89	39.9 LT	61.6					X	2	CLEAN
F2	CC07	1052+55	24		136.3	1052+58.21	48.6 LT	123.0	1052+51.79	54.2 RT	120.9					X	2	CLEAN & GRADE
F2	CC08	1057+80	24	X	115.9	1057+81.10	37.0 RT	110.0	1057+79.35	29.9 LT	108.6	67					2	REPLACE
F2	CC09	1062+76	24		121.5	1062+73.38	38.7 RT	114.0	1062+78.16	41.1 LT	105.8					X	2	REPAIR, CLEAN, & GRADE
F3	CC10	1072+52	24	X	125.3	1072+62.72	50.5 RT	106.6	1072+33.92	77.7 LT	95.8		132				2	REPLACE
F3, F12	CC11	1092+03	24	X	99.3	1092+26.30	48.0 LT	86.9	1092+34.10	57.8 RT	80.3		106				2	REPLACE
F3, F13	CC12	1109+94	30	X	91.6	1110+07.30	44.9 RT	75.6	1109+75.93	60.9 LT	75.1		110				2	REPLACE
F3	CC13	1119+71	24		131.1	1119+81.42	34.6 LT	121.4	1119+52.49	60.5 RT	105.3					X	2	REPAIR, CLEAN, & GRADE
F4	CC14	1126+29	24	X	154.5	1126+78.08	73.7 LT	130.5	1125+76.22	78.9 RT	123.5		184				2	REPLACE
F4	CC15	1152+11	24	X	149.8	1152+11.93	35.2 LT	145.8	1152+09.57	36.0 RT	145.7	71					2	REPLACE
F4	CC16	1157+42	24		159.9	1157+48.64	36.9 LT	148.5	1157+33.80	42.7 RT	148.5					X	2	CLEAN & GRADE
F4	CC17	1168+58	30	X	154.1	1168+42.95	81.7 LT	125.5	1168+72.74	96.4 RT	116.5		181				2	REPLACE
F5	CC18	1187+78	24		129.7	1188+04.00	47.3 LT	122.4	1187+69.91	45.3 RT	120.0					X	2	REPAIR, CLEAN, & GRADE
F5	CC19	1194+56	24	X	130.6	1194+53.88	54.5 LT	114.3	1194+58.04	53.3 RT	112.6		108				2	REPLACE
F5, F14	CC20	1201+95	24	X	127.5	1201+82.77	30.4 LT	120.7	1202+10.38	39.4 RT	119.2	75					2	REPLACE
F5	CC21	1212+05	24	X	110.9	1212+07.57	44.8 RT	100.3	1212+03.47	46.0 LT	100.2	91					2	REPLACE
F5	CC22	1218+08	24	X	106.5	1218+01.91	36.8 RT	97.9	1218+15.45	42.7 LT	97.0	81					2	REPLACE
F6, F15	CC23	1239+07	144		45.9	1239+11.88	50.2 RT	21.1	1239+12.37	50.1 LT	19.8						2	RIPRAP ARMORING BOTH ENDS
F6, F16	CC24	1245+50	24		52.3	1245+53.44	38.9 RT	40.6	1245+55.68	51.7 LT	38.7					X	2	CLEAN
F6, F16	CC25	1256+50	24		68.0	1256+55.23	48.1 LT	57.0	1256+56.40	49.0 RT	56.4					X	2	REPAIR, CLEAN, & GRADE
F6, F17	CC26	1269+50	24		35.4	1269+51.43	41.4 RT	29.6	1269+56.58	43.1 LT	27.7					X	2	REPAIR, CLEAN, & GRADE
F6, F17	CC27	1271+50	24	X	35.0	1271+56.13	45.9 RT	22.8	1271+53.22	44.8 LT	22.4	91					2	REPLACE
F6, F17	CC28	1275+60	48	X	40.8													REMOVE
F6, F17	CC28A	1275+60			40.8	1275+57.66	63.6 RT	18.8	1275+69.93	63.4 LT	16.8				128		2	INSTALL TIER 3 FISH PASSAGE
F7, F19	CC29	1291+00	24	X	103.0	1291+02.15	38.0 LT	96.7	1291+05.05	38.3 RT	95.6	76					2	REPLACE
F7, F19	CC30	1297+50	24		114.6	1297+55.14	40.3 RT	103.4	1297+55.33	41.9 LT	101.8					X	2	CLEAN & GRADE
F7	CC31	1308+00	24		130.5	1307+99.54	48.4 RT	116.2	1308+03.01	43.2 LT	115.2					X	2	CLEAN & GRADE
F7	CC32	1318+50	24		124.1	1318+52.05	44.5 LT	109.2	1318+55.09	61.3 RT	103.0					X	2	REPAIR, CLEAN, & GRADE
F7, F20	CC33	1325+50	24	X	120.5	1325+49.47	44.7 LT	110.9	1325+47.58	39.8 RT	109.9	85					2	REPLACE
F7, F20	CC34	1330+34	24		121.5	1330+31.51	38.2 LT	113.4	1330+37.93	48.9 RT	111.2					X	2	REPAIR, CLEAN, & GRADE
F8, F20	CC35	1337+50	24		120.9	1337+50.90	38.1 LT	113.2	1337+56.35	43.5 RT	112.3					X	2	REPAIR, CLEAN, & GRADE
F8	CC36	1348+00	24		117.9	1348+01.22	38.3 RT	110.5	1348+06.48	41.9 LT	109.0					X	2	REPAIR, CLEAN, & GRADE
F8	CC37	1356+00	36		115.3	1356+03.93	40.2 RT	107.8	1355+99.01	50.3 LT	104.3					X	2	REPAIR, CLEAN, & GRADE
F8, F21	CC38	1369+50	24	X	108.1	1369+52.90	33.9 LT	101.8	1369+54.04	34.7 RT	100.3	69					2	REPLACE
F8, F22	CC39	1373+00	18		106.5	1373+02.10	36.1 RT	98.6	1373+02.22	42.1 LT	98.3					X	2	REPAIR, CLEAN, & GRADE
F8, F22	CC40	1379+32	24	X	101.4	1379+33.52	40.0 LT	94.2	1379+33.70	39.0 RT	94.1	79					2	REPLACE
F9, F22	CC41	1383+00	24		98.6	1383+01.91	39.5 RT	90.7	1382+97.68	42.6 LT	88.5					X	2	REPAIR, CLEAN, & GRADE
F9	CC42	1397+00	36		91.3	1396+99.06	65.0 LT	67.0	1397+01.99	90.0 RT	52.6					X	2	CLEAN & GRADE
F9	CC43	1407+00	24		86.5	1407+00.71	37.0 LT	78.4	1406+97.42	51.1 RT	75.4					X	2	REPAIR, CLEAN, & GRADE
PAY ITEM QUANTITY:				21		-	-	-	-	-	-	940	969	143	128	21	86	-

STATE OF ALASKA
49TH
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
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(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SUMMARY TABLES

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-D01-SUM.DWG

DATE 6/7/2025 TIME 2:16 PM
SCALE N/A
DESIGNED BY MAC
CHECKED BY CSL
DRAFTED BY MAC

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	D3	D6

603 ITEMS - APPROACH CULVERT SUMMARY TABLE

SHEET NO.	PIPE NO.	STATION	EXISTING DIAMETER (IN)	202.0017.0000 REMOVAL OF CULVERT PIPE (EA)	INLET			OUTLET			603.0021.0024 CPP LENGTH (FT)	603.2018.0000 CLEAN AND REPAIR PIPE (EA)	613.0002.0000 CULVERT MARKER POST (EA)	REMARKS
					STATION	OFFSET (FT)	INVERT ELEVATION (FT)	STATION	OFFSET (FT)	INVERT ELEVATION (FT)				
F1	AC01	963+11	18	X	962+89.72	29.0 LT	189.5	963+31.33	29.6 LT	188.9	42		2	REPLACE CULVERT
F1	AC02	964+31	18	X	964+06.98	31.57 RT	188.7	964+55.32	28.43 RT	188.5	49		2	REPLACE CULVERT
F1	AC03	965+85	18		965+63.84	28.1 LT	185.0	966+07.11	28.6 LT	183.8		X	2	CLEAN
F1	AC04	968+13	18		968+09.40	33.8 LT	177.2	968+43.67	34.9 LT	174.4		X	2	CLEAN
F1	AC05	972+14	24	X	972+02.79	34.4 LT	162.6	972+24.31	35.6 LT	162.2	22		2	REPLACE CULVERT
F1	AC06	975+53	18		975+37.60	27.7 RT	157.3	975+67.87	27.2 RT	156.7		X	2	CLEAN
F1, F10	AC07	993+85	24	X	993+99.40	26.1 RT	159.6	993+69.49	28.3 RT	159.2	30		2	REPLACE CULVERT
F1, F10	AC08	993+99	24		993+84.62	31.7 LT	158.4	994+13.29	31.3 LT	158.7		X	2	CLEAN & GRADE
F1, F10	AC09	1000+50	18	X	1000+26.09	39.3 RT	145.8	1000+82.06	44.2 RT	142.8	56		2	REPLACE CULVERT
F2, F11	AC10	1024+85	18		1024+97.71	36.7 RT	68.4	1024+71.85	36.7 RT	67.9		X	2	CLEAN
F2, F11	AC11	1034+11	18		1034+23.42	44.7 RT	83.9	1033+98.66	44.9 RT	83.0		X	2	CLEAN
F2	AC12	1042+66	18	X	1042+79.53	40.6 RT	136.0	1042+52.75	40.2 RT	135.3	28		2	REPLACE CULVERT
F2	AC13	1059+96	18		1060+10.44	24.4 LT	113.6	1059+81.21	24.1 LT	113.4		X	2	CLEAN
F2	AC14	1061+41	18	X	1061+53.84	33.0 LT	113.2	1061+29.05	34.5 LT	111.8			2	REMOVE AND TRENCH APPROACH
F3	AC15	1067+65	24		1067+53.29	35.9 LT	123.8	1067+76.35	36.7 LT	124.2		X	2	CLEAN
F3	AC16	1076+65	24		1076+50.38	31.9 RT	116.8	1076+79.24	29.8 RT	115.2		X	2	CLEAN
F3	AC17	1080+98	18	X	1081+10.42	40.5 LT	117.4	1080+85.01	41.4 LT	117.3	26		2	REPLACE CULVERT
F3, F12	AC18	1088+12	18		1087+98.55	30.9 LT	103.5	1088+24.27	29.4 LT	102.2		X	2	CLEAN
F3, F13	AC19	1107+79	18	X	1107+92.02	37.5 RT	90.6	1107+66.60	36.4 RT	90.2	26		2	REPLACE CULVERT
F3, F13	AC20	1108+06	18		1107+96.08	29.2 LT	91.6	1108+15.06	29.4 LT	91.2		X	2	CLEAN
F3, F13	AC21	1115+68	24		1115+88.08	35.5 LT	107.7	1115+48.80	35.3 LT	106.0		X	2	CLEAN
F3, F13	AC22	1115+88	24	X	1115+97.95	36.5 RT	107.6	1115+77.97	39.0 RT	107.1	20		2	REPLACE CULVERT
F3, F13	AC23	1117+84			1117+96.02	30.8 LT	116.8	1117+70.02	30.5 LT	116.7	26		2	INSTALL CULVERT
F4	AC24	1131+40	24		1131+50.16	36.93 RT	160.4	1131+29.29	36.57 RT	159.7		X	2	CLEAN
F4	AC25	1134+21	18		1134+06.55	40.18 LT	163.1	1134+35.17	37.75 LT	163.0		X	2	CLEAN
F4	AC26	1159+74	18		1159+86.93	338.39 RT	166.2	1159+61.33	40.07 RT	165.6		X	2	CLEAN
F4	AC27	1165+80	18		1165+92.57	38.1 RT	156.7	1165+68.55	38.7 RT	158.3		X	2	CLEAN
F4	AC28	1169+52	24	X	1169+71.86	36.08 LT	146.4	1169+32.86	42.33 LT	16.3	39		2	REPLACE CULVERT
F5, F14	AC29	1205+58	24	X	1205+97.13	39.88 LT	121.9	1206+18.90	38.85 LT	121.4	22		2	REPLACE CULVERT
F5	AC30	1222+48	18	X	1222+84.36	40.57 RT	93.4	1223+11.61	42.29 RT	92.7	28		2	REPLACE CULVERT
F5, F15	AC31	1227+15	18	X	1227+02.52	36.12 RT	78.6	1227+27.97	36.97 RT	77.5	26		2	REPLACE CULVERT
F5, F15	AC32	1228+18	18	X	1228+05.42	39.97 LT	74.3	1228+30.82	41.25 LT	72.5	26		2	REPLACE CULVERT
F6, F15	AC33	1235+28	18	X	1235+16.52	36.49 LT	42.2	1235+39.66	37.08 LT	41.6	24		2	REPLACE CULVERT
F6	AC34	1258+97	18	X	1258+83.27	38.07 LT	59.8	1259+11.38	38.08 LT	59.5	29		2	REPLACE CULVERT
F6	AC35	1260+92	18	X	1260+77.72	29.42 RT	54.1	1261+07.08	31.15 RT	53.7	30		2	REPLACE CULVERT
F7, F20	AC36	1331+34			1331+64.17	35.2 RT	118.6	1331+15.39	51.1 RT	116.0	52		2	INSTALL CULVERT
F8, F22	AC37	1380+70	18	X	1380+41.81	30.60 RT	96.6	1380+98.63	30.60 RT	95.9	57		2	REPLACE CULVERT
F9	AC38	1421+00	18	X	1420+80.74	33.63 RT	35.1	1421+19.89	33.79 RT	34.1	40		2	REPLACE CULVERT
PAY ITEM QUANTITY:				20	-	-	-	-	-	-	698	16	76	-

STATE OF ALASKA
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SUMMARY TABLES

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-D01-SUM.DWG

DATE 6/7/2025 TIME 2:16 PM
SCALE N/A
DESIGNED BY MAC
CHECKED BY CSL
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	D4	D6

606 ITEMS - GUARDRAIL SUMMARY

SHEET	STATION TO STATION			202.2013.0000	606.0001.0000	606.0006.0000	606.0013.0000	606.0016.0000	GUARDRAIL POST INSTALLATION CASE	REMARKS
	FROM	TO	OFFSET	REMOVAL OF FUGITIVE MATERIAL (FT)	W-BEAM GUARDRAIL (FT)	REMOVING AND DISPOSING OF GUARDRAIL (FT)	PARALLEL GUARDRAIL TERMINAL (EA)	TRANSITION RAIL (EA)		
F1	967+13.5	971+09.0	RT	396	-	-	-	-	-	LEAVE IN PLACE
F1	971+68.3	973+18.6	RT	150	-	-	-	-	-	LEAVE IN PLACE
F1	1003+46.8	1008+23.6	RT	477	-	-	-	-	-	LEAVE IN PLACE
F3	1071+27.5	1073+80.7	LT	253	-	-	-	-	-	LEAVE IN PLACE
F3	1087+06.1	1093+30.9	RT	-	525	632	2	-	3	SEE DIGOUT 3, SHEET F12
F3	1098+62.8	1100+94.9	RT	232	-	-	-	-	-	LEAVE IN PLACE
F3	1099+71.1	1100+64.2	LT	93	-	-	-	-	-	LEAVE IN PLACE
F3	1108+82.5	1110+72.3	LT	-	-	194	-	-	-	SEE DIGOUT 4, SHEET F13
F3	1108+86.2	1110+89.8	RT	-	-	207	-	-	-	SEE DIGOUT 4, SHEET F14
F4	1124+36.5	1126+39.0	RT	203	-	-	-	-	-	LEAVE IN PLACE
F4	1166+56.6	1169+54.9	RT	298	-	-	-	-	-	LEAVE IN PLACE
F4-F5	1170+23.5	1186+58.0	RT	1635	-	-	-	-	-	LEAVE IN PLACE
F5	1186+07.4	1196+62.1	LT	1055	-	-	-	-	-	LEAVE IN PLACE
F6	1277+70.6	1281+07.1	LT	337	-	-	-	-	-	LEAVE IN PLACE
F9	1393+82.8	1399+08.5	RT	526	-	-	-	-	-	LEAVE IN PLACE
F9	1421+58.6	1422+93.9	LT	135	-	-	-	-	-	LEAVE IN PLACE
F9	1421+59.9	1422+94.3	RT	134	-	-	-	-	-	LEAVE IN PLACE
F9	1425+14.5	1449+39.5	RT	-	275	250	1	1	3	SEE DIGOUT 11, SHEET F24
F9	1425+14.5	1428+39.5	LT	-	375	250	1	1	3	SEE DIGOUT 11, SHEET F24
			PAY ITEM QUANTITY:	5923	1175	1,533	4	2	-	

NOTES:

1. NEW GUARDRAIL STATIONING INCLUDES LENGTHS FOR A 50' PARALLEL END TERMINAL ON EITHER END.

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	D5	D6

639.2000.0000 - APPROACH SUMMARY

SHEET	STATION	OFFSET	SKEW ANGLE (90° TYP.)	TYPE		SIZE (FT)		RADIUS		WITHIN DIGOUT	REMARKS
				RESIDENTIAL	PUBLIC	WIDTH	LENGTH	BACK STA	AHEAD STA		
F1	963+13	LT	94	X		12	40	25	30		JOLIE CIRCLE
F1	964+26	RT	76	X		36	27	30	15		
F1	965+88	LT	95	X		12	45	25	25		
F1	968+23	LT	90	X		14	27	25	20		
F1	971+61	RT	119	X		14	40	10	35		
F1	972+13	LT	90	X		14	33	20	15		
F1	975+54	RT	90	X		14	38	25	20		
F1	975+88	LT	90	X		14	33	20	20		
F1	976+97	RT	66	X		14	48	20	20		
F1	980+18	LT	75		X	20	28	20	10		BRUNER CIRCLE
F1	983+92	RT	90		X	20	53	40	40		GOFF DRIVE
F1	984+03	LT	90	X		14	34	20	20		
F1	993+85	RT	90	X		14	33	20	20		
F1	993+98	LT	90	X		14	34	20	20		
F1	1000+51	RT	90	X		22	54	40	40	X	NEIGHBORS ROAD
F2	1015+32	LT	90		X	90	34	20	20		HUHNDORF TRAIL
F2	1024+82	RT	88		X	16	33	20	20		
F2	1034+11	RT	90	X		14	33	20	20		
F2	1042+64	RT	90		X	14	33	20	20		TORS CIRCLE
F2	1049+89	LT	70	X		14	39	20	15		
F2	1050+08	RT	84		X	14	38	20	20		LAFAYETTE AVENUE
F2	1050+51	RT	84	X		14	37	20	20		
F2	1054+94	RT	90	X		14	34	20	20		
F2	1055+96	LT	90	X		18	33	20	20		
F2	1059+94	LT	90		X	18	33	20	20		WANDA DRIVE
F2	1061+20	RT	90	X		14	29	15	15		
F3	1067+04	RT	77	X		14	34	20	15		
F3	1067+65	LT	90	X		14	34	20	20		
F3	1076+58	RT	74	X		14	28	20	10		
F3	1079+55	LT	96		X	16	37	20	20		KISHKA STREET
F3	1079+82	RT	77	X		12	28	20	10		
F3	1080+94	LT	90	X		14	35	20	20		
F3	1082+96	RT	96	X		14	36	20	20		
F3	1088+09	LT	85	X		14	26	20	20	X	
F3	1107+81	RT	90	X		18	34	20	20	X	
F3	1108+01	LT	81	X		10	38	20	20	X	
F3	1115+65	LT	90	X		18	34	20	20	X	
F3	1115+84	RT	85	X		14	37	20	20	X	
F3	1117+83	LT	90	X		10	34	20	20	X	
TABLE TOTAL = 39											

CONTINUED ON NEXT SHEET

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STATE OF ALASKA
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KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SUMMARY TABLES

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	D6	D6

639.2000.0000 - APPROACH SUMMARY

SHEET	STATION	OFFSET	SKEW ANGLE (90° TYP.)	TYPE		SIZE (FT)		RADIUS		WITHIN DIGOUT	REMARKS
				RESIDENTIAL	PUBLIC	WIDTH	LENGTH	BACK STA	AHEAD STA		
F3	1124+37	LT	71	X		14	45	20	20		
F4	1131+39	RT	90	X		14	33	20	15		
F4	1134+16	LT	90	X		14	35	20	20		
F4	1142+40	LT	90	X		14	38	25	25		RAL STREET
F4	1146+03	RT	79	X		16	27	15	10		
F4	1159+58	RT	70	X		14	35	20	15		
F4	1165+79	RT	90	X		14	23	10	10		
F4	1169+51	LT	90	X		24	34	20	20		
F4	1170+00	RT	90	X		12	29	20	15		
F5	1188+82	RT	90	X		14	32	20	25		
F5	1198+38	LT	90	X		14	34	20	20	X	
F5	1205+83	RT	90	X		12	23	10	10		
F5	1206+01	LT	78	X		14	33	20	15		CORAL STREET
F5	1223+00	RT	90	X		14	28	10	15		
F5	1227+16	RT	90	X		12	33	20	20		
F5	1228+18	LT	90	X		14	34	20	20	X	
F6	1235+26	LT	90	X		14	34	20	20	X	
F6	1237+12	RT	60	X		14	46	35	15	X	
F6	1240+75	LT	90		X	75	64	45	45	X	SEE SHEET G1 FOR GRADING PLAN
F6	1241+11	RT	63	X		10	43	40	15	X	
F6	1244+72	RT	112		X	24	48	20	50	X	NORTHWOODS STREET
F6	1258+91	LT	81	X		14	38	20	20		
F6	1260+94	RT	90	X		14	34	20	20		
F6	1281+34	LT	90		X	20	39	25	25		BISHOP CREEK DAY USE AREA
F7	1295+75	RT	90	X		16	44	30	30	X	
F7	1312+65	RT	90	X		20	42	30	30		
F7	1331+31	RT	90		X	24	34	20	20	X	STORMY LAKE PICNIC LOOP
F8	1341+62	RT	90		X	18	33	20	20		STORMY LAKE PICNIC LOOP
F8	1375+87	LT	97	X		10	37	20	20	X	
F8	1380+70	RT	90		X	26	44	30	30		STORMY LAKE RIVER ACCESS
F9	1415+00	LT	90	X		14	34	20	20		
F9	1420+99	RT	90		X	20	34	30	30		SWANSON RIVER ACCESS
F9	1439+53	LT	72		X	24	89	100	60		CAPTAIN COOK STATE RECREATION AREA
F9	1439+53	RT	49	X		12	95	20	20		
TABLE TOTAL = 34											
PAY ITEM TOTAL = 73											

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KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SUMMARY TABLES

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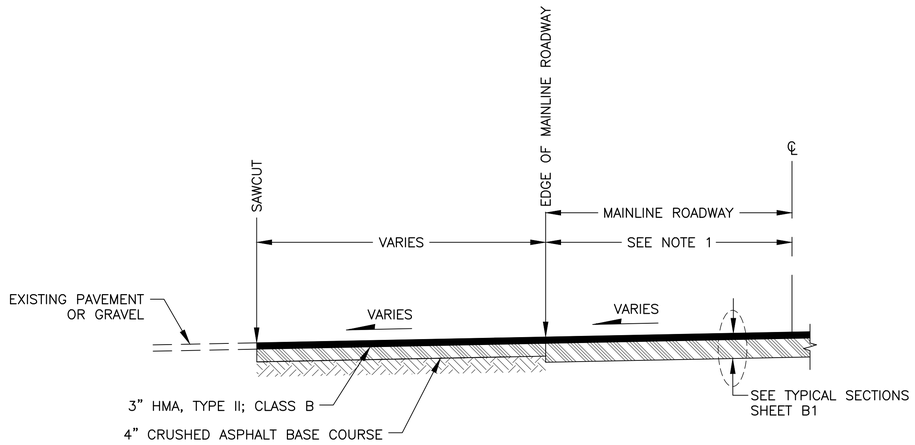
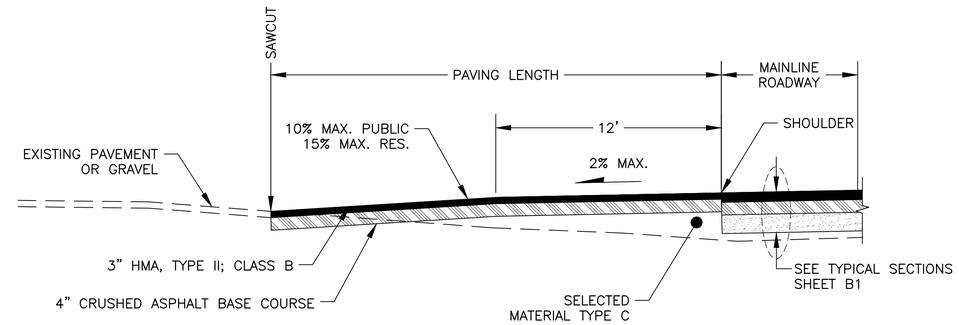
NO.	DATE	REVISION

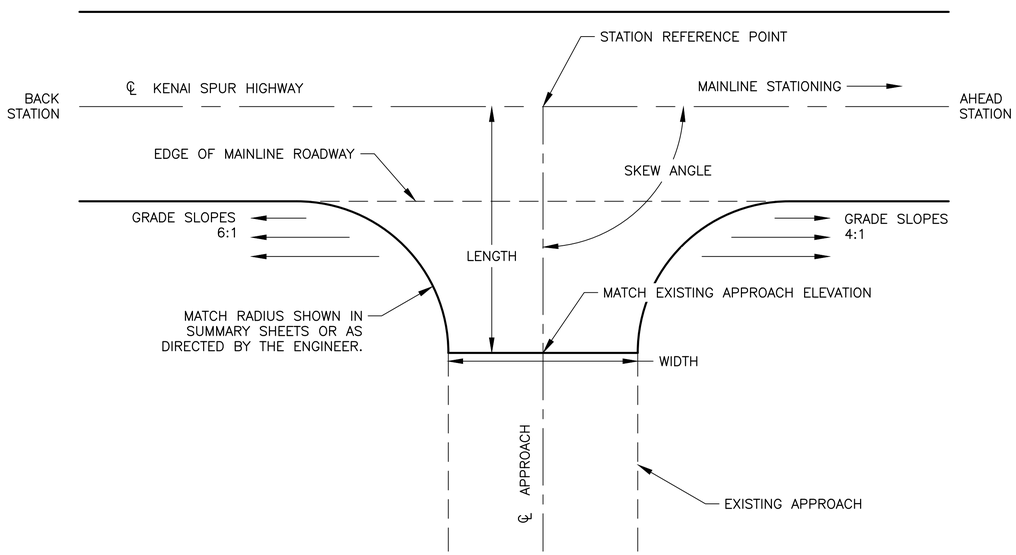
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	E1	E8



APPROACH TRANSITION WITHIN RECLAIM AREA



APPROACH TRANSITION WITHIN DIGOUT



APPROACH PLAN VIEW

NOTES:

1. APPROXIMATE APPROACH LOCATION AND DIMENSIONS ARE LISTED IN THE APPROACH SUMMARY TABLE AND MAY BE FIELD ADJUSTED BY THE ENGINEER.
2. GRADE AND PAVE ASPHALT APRON AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
3. REMOVE PAVEMENT AND EXISTING BASE AS NECESSARY TO MATCH APPROACH ELEVATION.
4. IF NO VERTICAL CURVE IS CONSTRUCTED, THE MAXIMUM ALGEBRAIC DIFFERENCE BETWEEN LANDING GRADE AND TRANSITION IS NOT TO EXCEED 8%.
5. BUTTRESS PAVEMENT EDGE AFTER TOP LIFT PAVING WITH AGGREGATE BASE COURSE, GRADING D-1 OR CRUSHED ASPHALT BASE COURSE. ASSUME 1' MINIMUM WIDTH OR AS DIRECTED BY THE ENGINEER.
6. MAINTAIN ACCESS TO ALL EXISTING APPROACHES DURING CONSTRUCTION.

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APPROACH DETAILS

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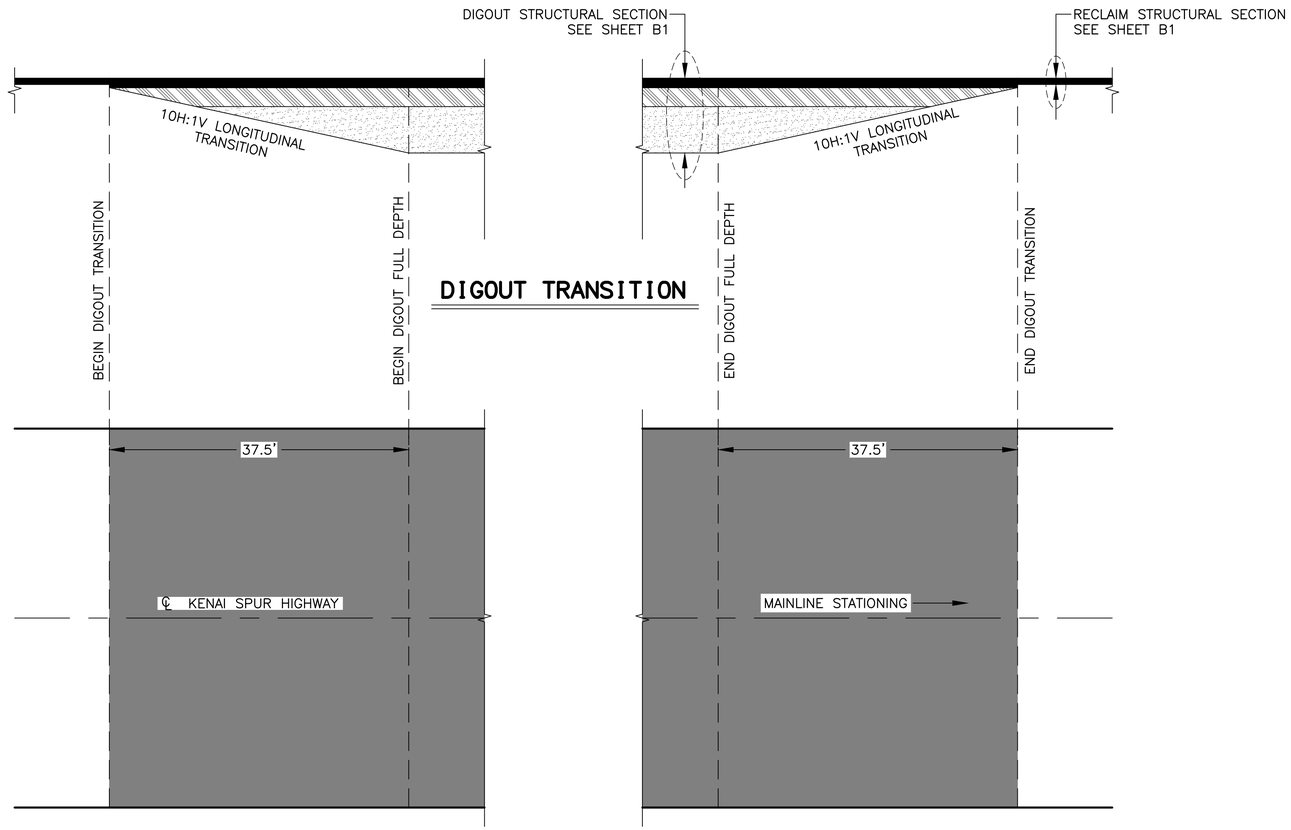
ALASKA	0490017/CFHWY00852	2025	E2	E8



DIGOUT PLAN VIEW

DRAWING LOCATION	
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DATE / TIME	6/7/2025 2:16 PM
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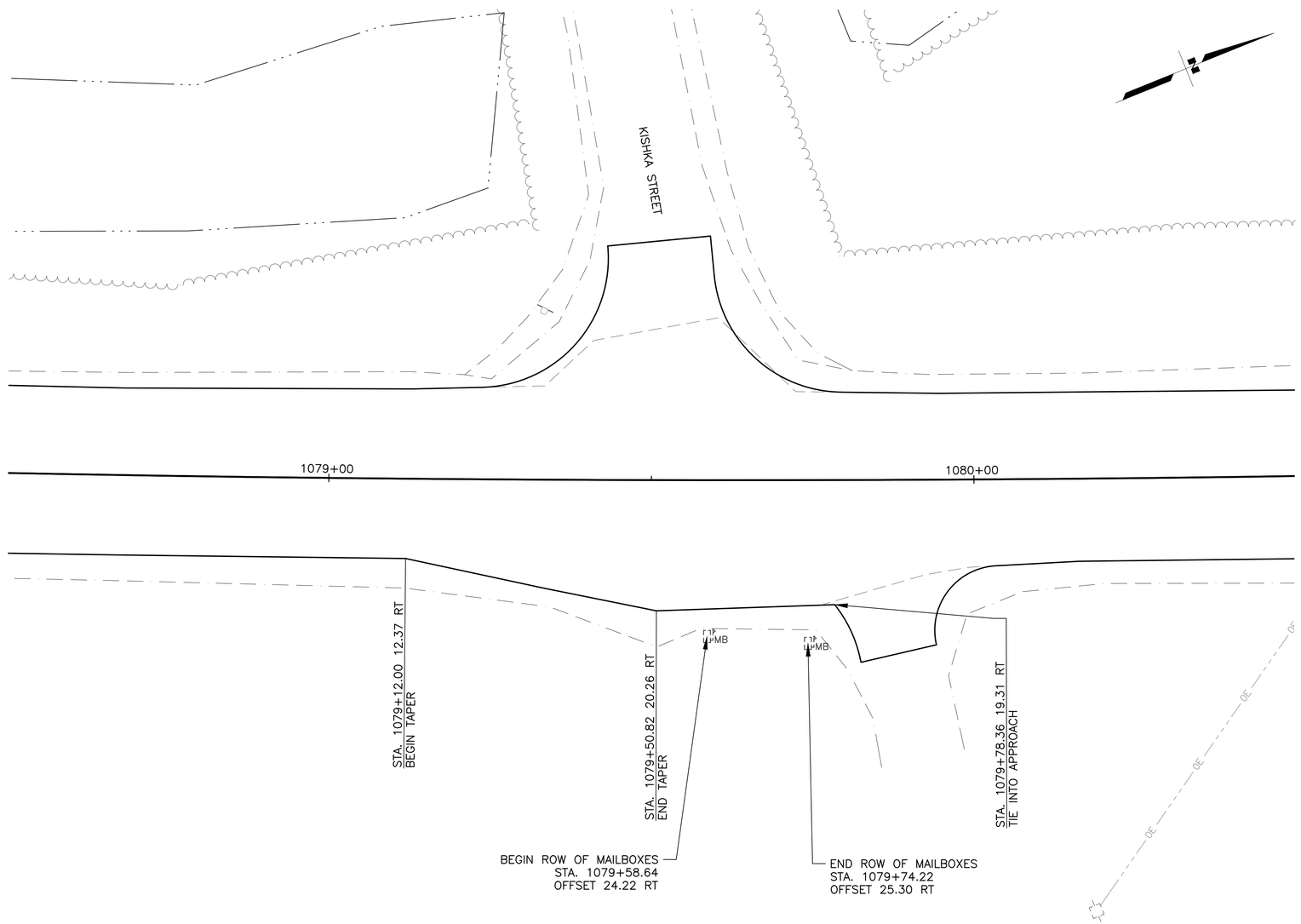
DIGOUT TRANSITION DETAILS

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	E3	E8



PAVEMENT WIDENING

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PAVEMENT WIDENING DETAIL

DRAWING LOCATION	DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
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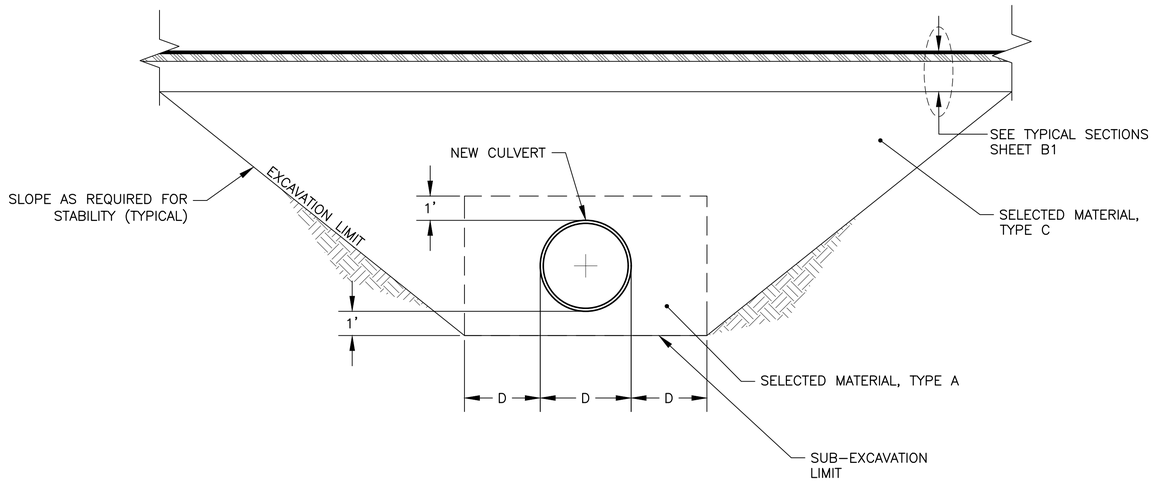
NO.	DATE	REVISION

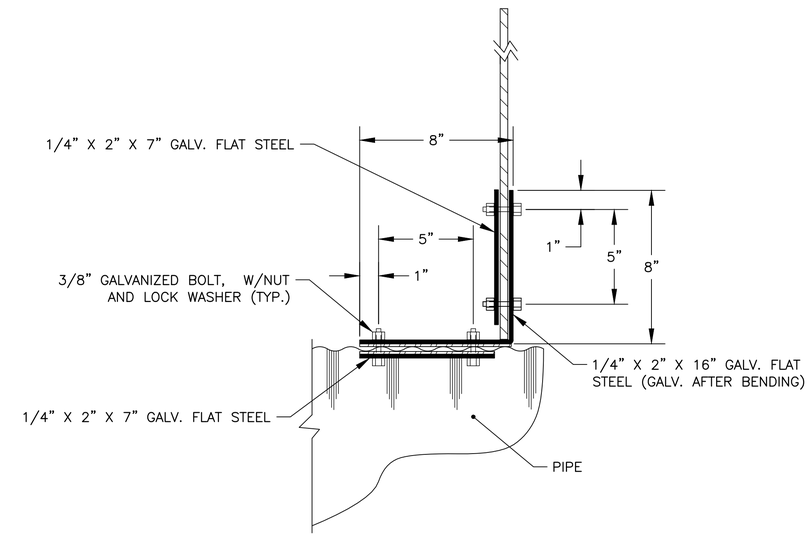
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	E4	E8



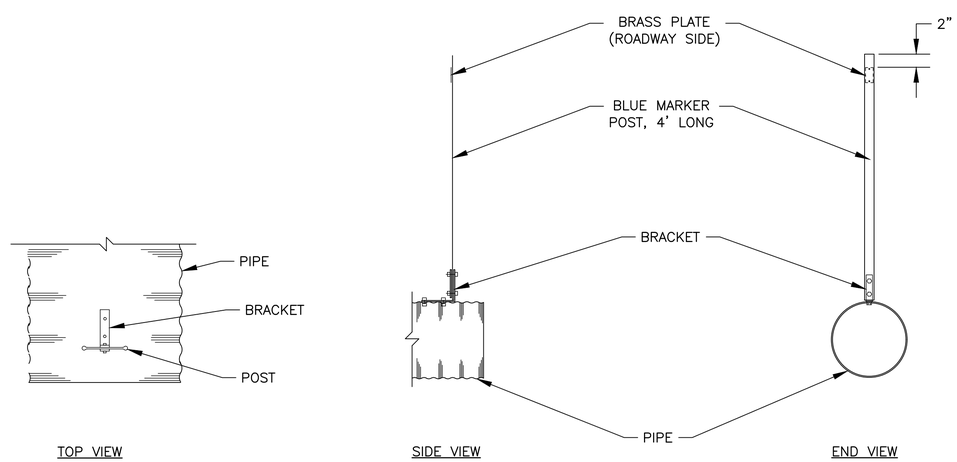
CULVERT SUB-EXCAVATION TYPICAL

NOTES:

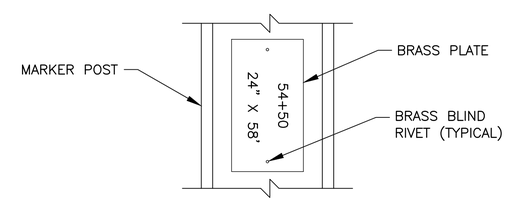
1. CULVERT SUB-EXCAVATION WILL BE PAID UNDER ITEM 202.0017.0000 REMOVAL OF CULVERT PIPE.



CULVERT MARKER POST BRACKET DETAIL

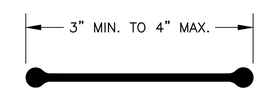


CULVERT MARKER POST DETAIL



STAMP STATION AND PIPE SIZE, USING 3/8" HIGH MINIMUM LETTERS INTO A 2"X4"X 0.064" THICK BRASS PLATE. FASTEN PLATE TO THE SIDE FACING THE ROADWAY WITH TWO 1/8" BRASS BLIND RIVETS.

BRASS PLATE DETAIL



POST DETAIL

CROSS-SECTIONAL VIEW

NOTES:

1. WORK WILL BE PAID UNDER THE ITEM 613.0002.0000
2. INSTALL CULVERT MARKER POSTS AS SCHEDULED IN CULVERT SUMMARY SHEETS D2-D3.
3. PILOT DRILL ALL BOLT HOLES. COAT HOLES WITH ZINC RICH PAINT. FLAME CUTTING IS NOT PERMITTED.
4. INSTALL GASKET MATERIAL BETWEEN DISSIMILAR METALS. GASKET MATERIAL SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
5. HOT DIP GALVANIZE FLAT STEEL BRACKETS TO MEET AASHTO M 111. GALVANIZE AFTER BENDING.

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CULVERT DETAILS

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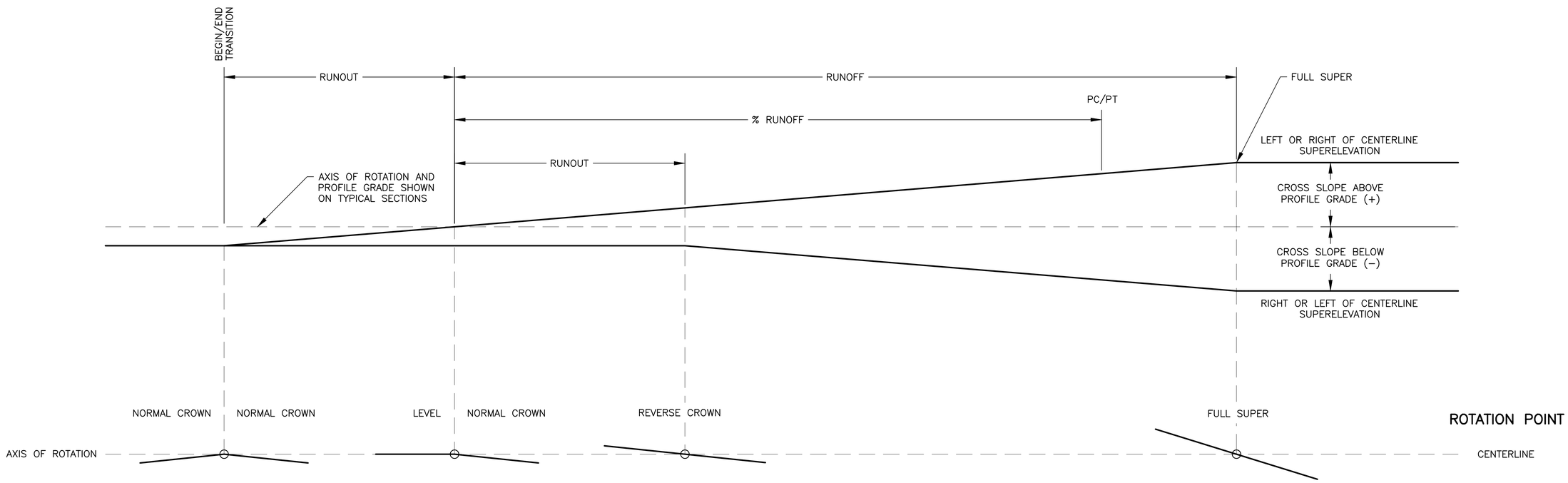
DRAFTED BY CSL

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	E5	E8



SUPERELEVATION TRANSITION

"M" SUPERELEVATION SUMMARY

CURVE PI	RADIUS (FT)	BEGIN TRANSITION	REVERSE CROWN	CURVE PC	BEGIN FULL SUPERELEVATION	SUPERELEVATION RATE (%)	END FULL SUPERELEVATION	CURVE PT	REVERSE CROWN	END TRANSITION	REMARKS
1099+92.68	835	1093+45	1094+55	1095+02	1095+45	5.2	–	1103+90	–	–	END DIGOUT MATCHING EXISTING FULL SUPER RATE
1112+32.61	3025	1105+62.5	1106+70	1106+91	1107+25	4	1117+30	1117+63	1117+85	1118+95	
1243+49.09	1430	1239+55	1240+65	1241+22	1241+70	5.8	1245+25	1245+72	1246+30	1247+40	
1270+35.50	3020	1267+62.50	1268+20	1268+33	1268+75	4	1269+75	1272+37	1270+37.50	–	BEGIN AND END DIGOUT IN TRANSITIONS, MATCH EXISTING SLOPES
1284+81.27	1455	–	–	1278+04	–	6	1290+20	1290+72	1291+30	1292+40	BEGIN DIGOUT MATCHING EXISTING FULL SUPER RATE
1302+93.66	1960	1294+85	1295+95	1296+39	1296+80	5	–	1309+03	–	–	END DIGOUT MATCHING EXISTING FULL SUPER RATE
1337+82.66	8175	–	–	1310+90	1326+12.50	2	1336+87.50	1362+93	–	–	BEGIN AND END DIGOUT MATCHING EXISTING FULL SUPER RATE
1374+73.07	1482	1369+70	1370+80	1371+34	1371+80	5.6	1377+55	1378+01	1378+55	1379+65	

STATE OF ALASKA
49TH
PROJECT ENGINEER
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MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29–38
PAVEMENT PRESERVATION

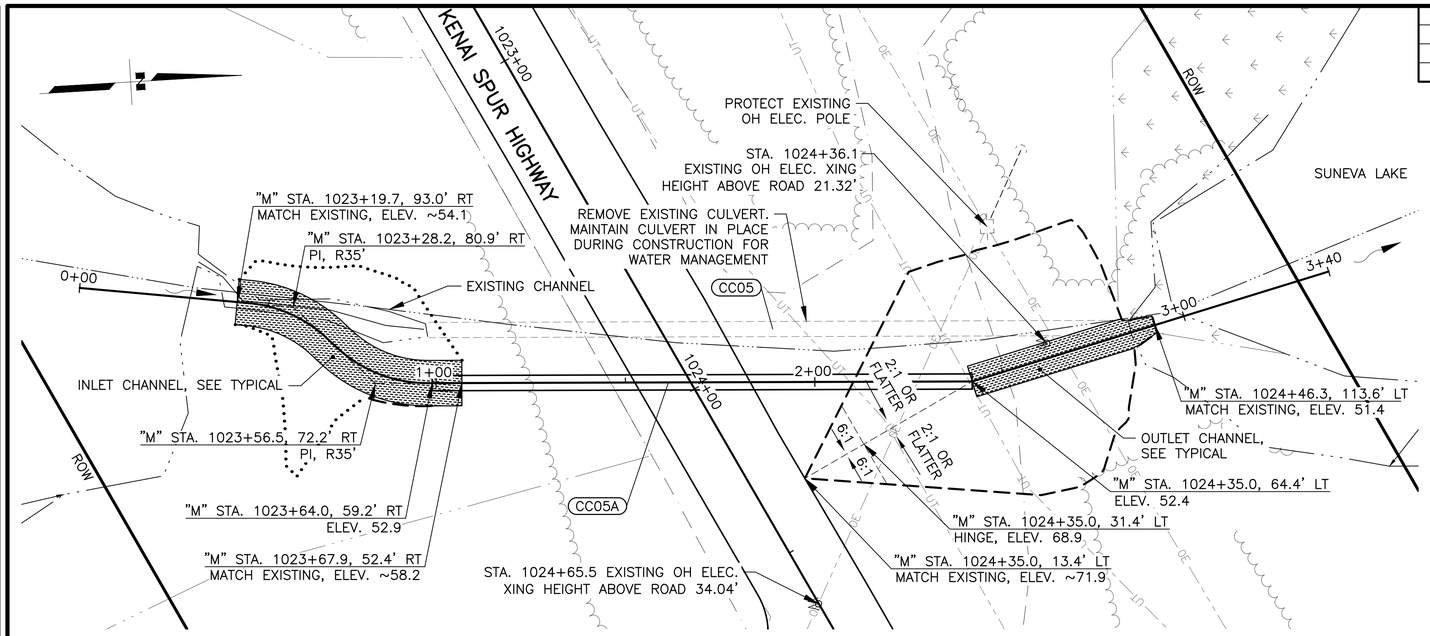
SUPERELEVATION DETAILS

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-E01-DETL.DWG

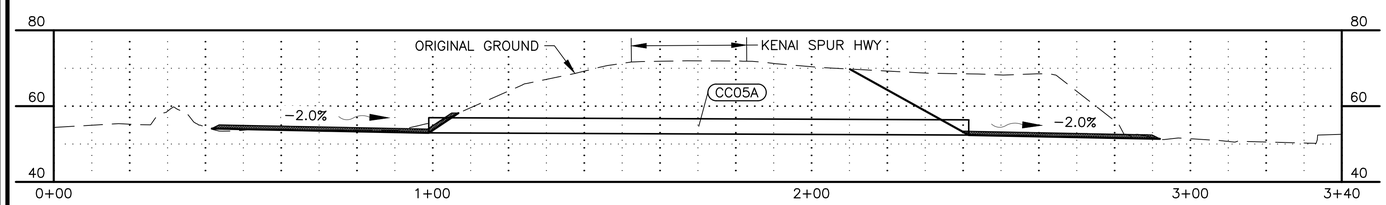
DATE 6/7/2025 TIME 2:16 PM
SCALE 1" =2'
DESIGNED BY MAC
CHECKED BY REH
DRAFTED BY CSL

NO.	DATE	REVISION

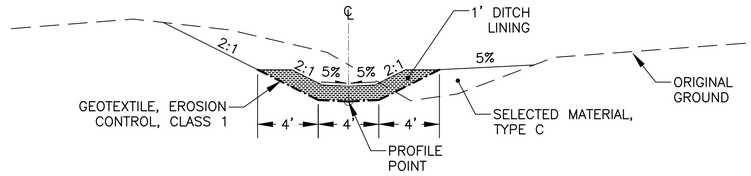
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	E6	E8



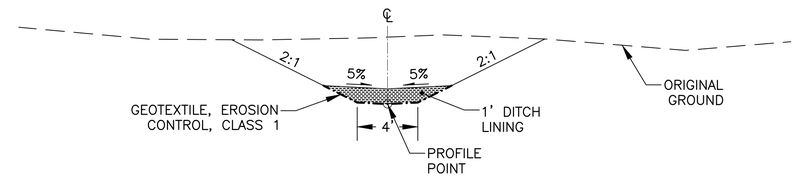
CC05A PLAN



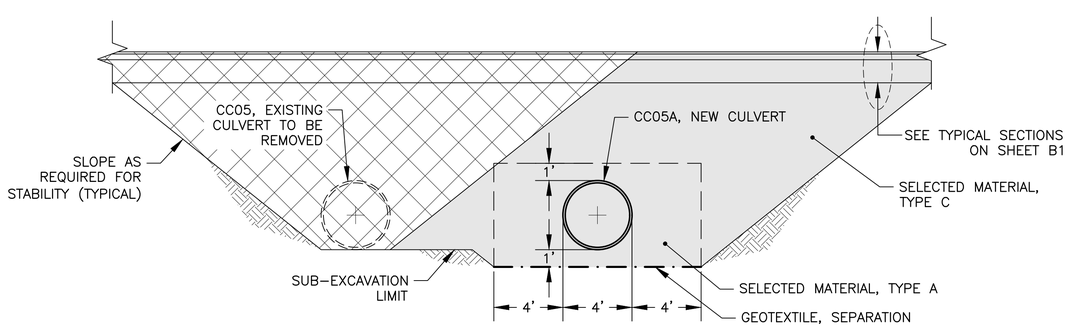
CC05A PROFILE



CC05A INLET CHANNEL TYPICAL



CC05A OUTLET CHANNEL TYPICAL



CC05A EXCAVATION TYPICAL

LEGEND

EXCAVATION REQUIRED FOR REMOVAL OF EXISTING CULVERT, PAID UNDER ITEM 202.0017.0000 REMOVAL OF CULVERT PIPE

EXCAVATION REQUIRED FOR INSTALLATION OF NEW CULVERT, PAID UNDER ITEM 204.0001.0000 STRUCTURE EXCAVATION

CULVERT HYDROLOGY - DESIGN FLOW SUMMARY

CULVERT CC05A

DESIGN CULVERT DIAMETER (IN)	BASIN AREA (SQ. MI)	Q2 (CFS)	Q5 (CFS)	Q10 (CFS)	Q50 (CFS)	Q100 (CFS)	ANALYSIS METHOD
48	0.26	0.4	1.2	2.1	5.7	9.0	TR-55
		2.1	2.6	3.1	5.3	6.3	RATIONAL METHOD

CULVERT HYDRAULIC SUMMARY

CULVERT CC05A

DESIGN STORM EVENT	DEPTH AT INLET (FT)	DEPTH AT OUTLET (FT)	VELOCITY AT OUTLET (FT/S)	HW/D	FB AT INLET (FT)	ANALYSIS METHOD
10-YR	0.84	0.51	3.35	0.21	3.16	RATIONAL METHOD
50-YR	1.14	0.69	3.93	0.29	2.86	TR-55

PIPE SUMMARY

PIPE	INLET			OUTLET			DIAMETER (IN)	LENGTH (LF)	SLOPE (%)
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.			
CC05A	1023+63.99	59.2 RT	52.9	1023+35.00	64.4 LT	52.4	48	143	0.40

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DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

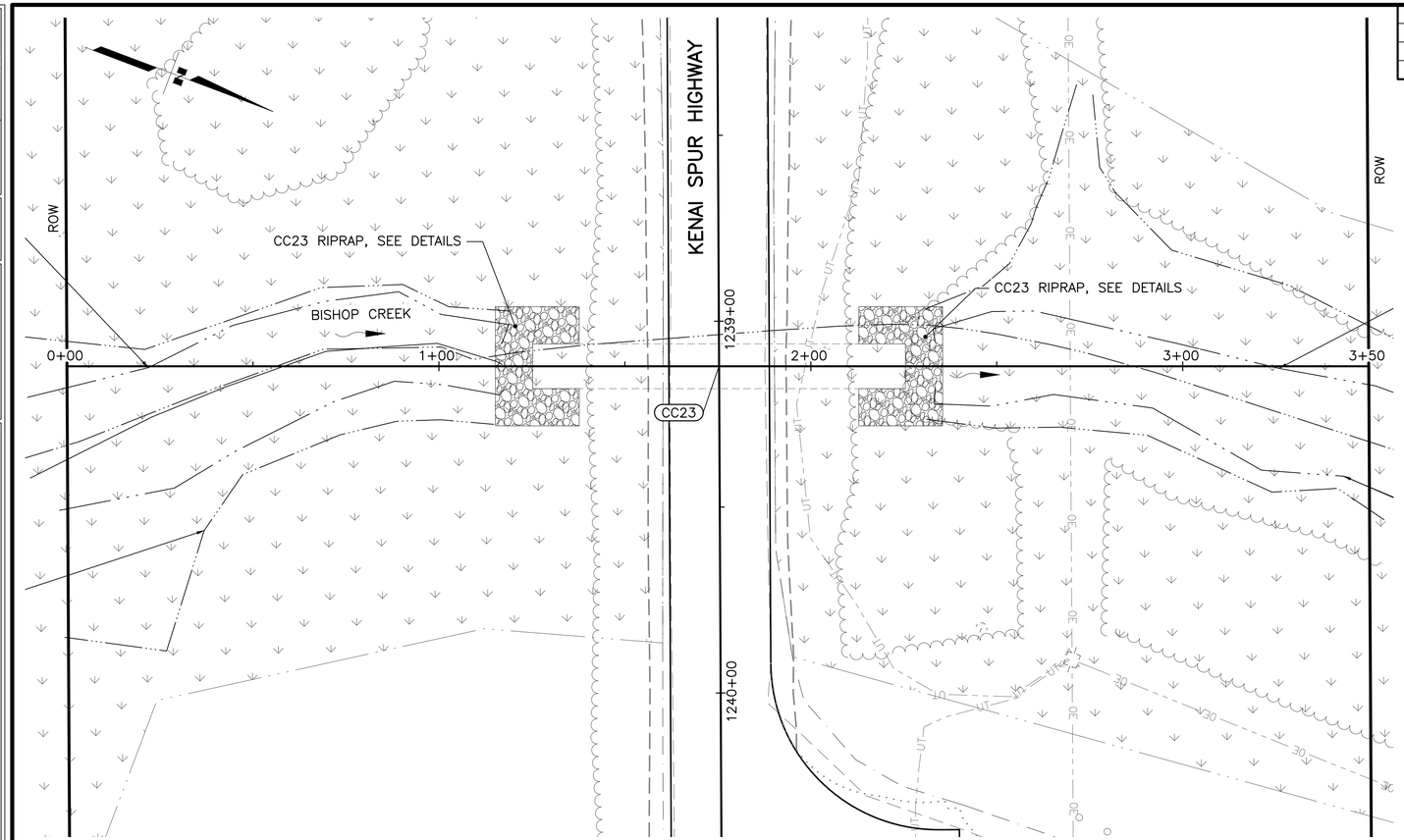
KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION
CC05A PIPE INSTALLATION, EXCAVATION, & CHANNEL DETAILS

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-E04-DETL.DWG

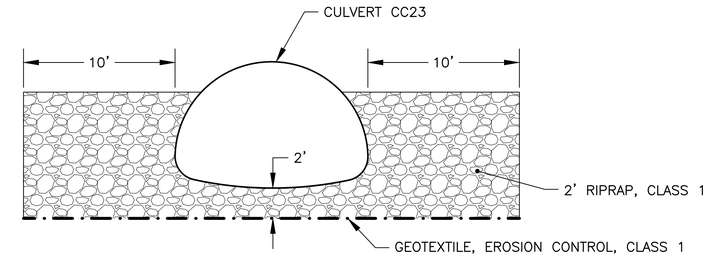
DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:17 PM	1" = 20'	MAC	REH	CSL

NO.	DATE	REVISION

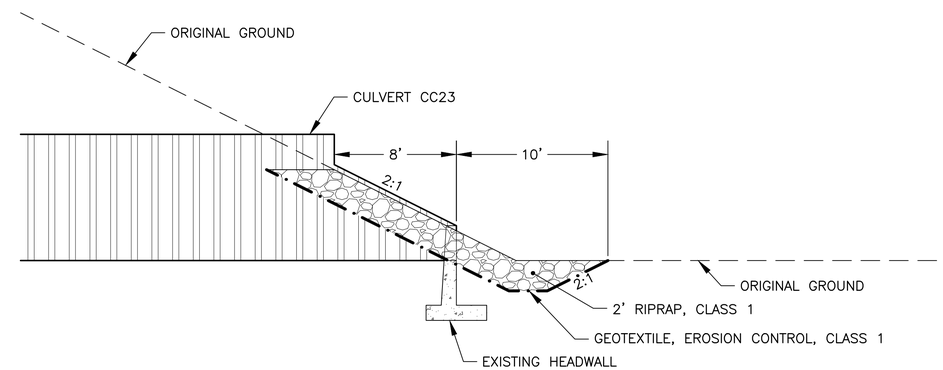
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	E7	E8



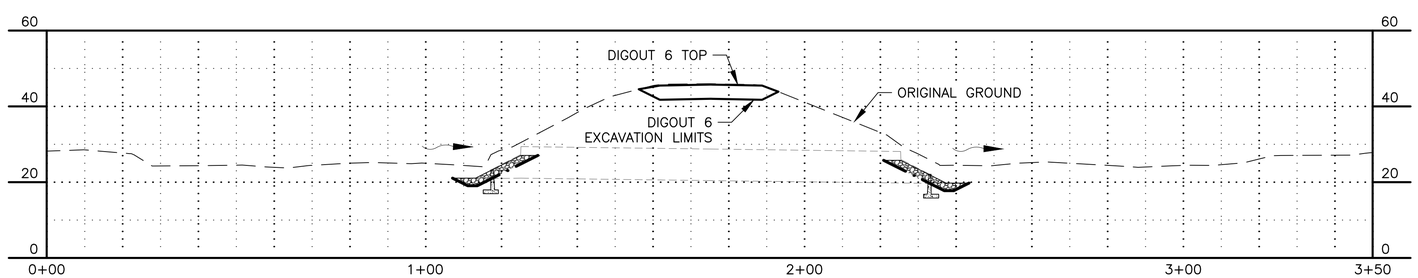
CC23 PLAN



CC23 RIPRAP DETAIL SECTION VIEW



CC23 RIPRAP DETAIL PROFILE VIEW



CC23 PROFILE

PIPE SUMMARY

PIPE	INLET			OUTLET			DIMENSIONS	LENGTH (LF)	SLOPE (%)
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.			
CC23	1239+11.88	50.2 RT	21.1	1239+12.37	50.1 LT	19.8	12'10" X 8'4" PIPE ARCH	101	1.28

CULVERT HYDROLOGY - DESIGN FLOW SUMMARY

CULVERT CC23

EXISTING CULVERT DIMENSIONS	BASIN AREA (SQ. MI)	Q2 (CFS)	Q5 (CFS)	Q10 (CFS)	Q50 (CFS)	Q100 (CFS)	ANALYSIS METHOD
12'10" X 8'4" PIPE ARCH	36.0	390	640	830	1290	1500	2016 REGRESSION

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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

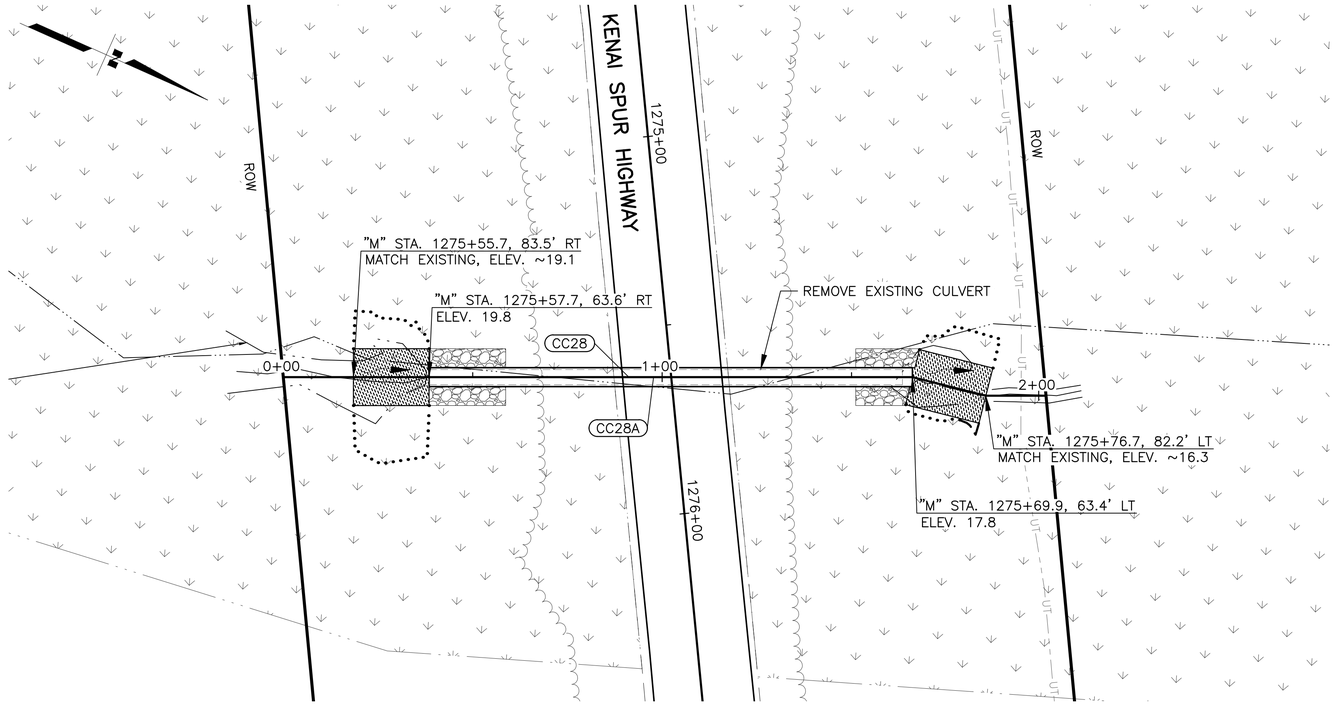
CC23 EROSION
PROTECTION DETAILS

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:17 PM	1" = 20'	MAC	REH	CSL

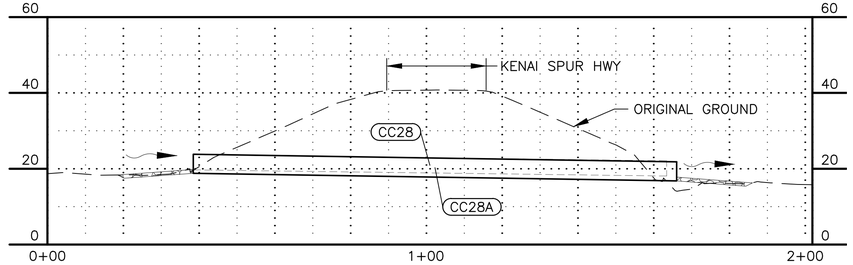
DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-E04-DETL.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	E8	E8



CC28A PLAN



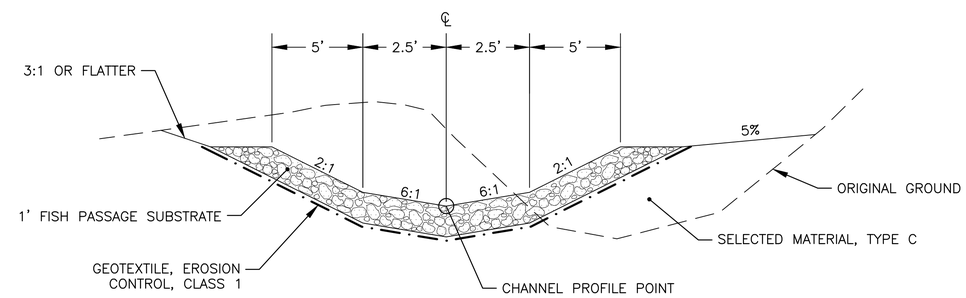
CC28A PROFILE

CULVERT HYDROLOGY FLOW SUMMARY

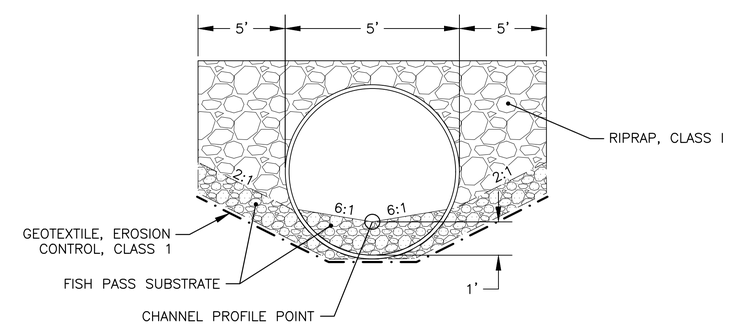
CULVERT CC28						
BASIN AREA (SQ. MI)	Q2 (CFS)	Q5 (CFS)	Q10 (CFS)	Q50 (CFS)	Q100 (CFS)	ANALYSIS METHOD
0.73	15	28	40	70	86	2016 REGRESSION
	5.9					2016 REGRESSION X 40%

PIPE SUMMARY

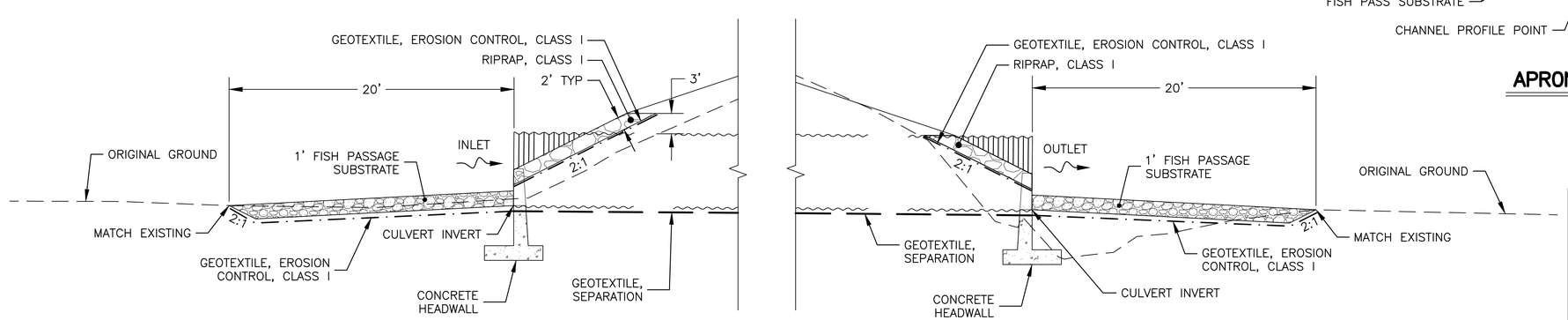
PIPE	INLET			OUTLET			LENGTH (LF)	SLOPE (%)
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.		
CC28A	1275+57.66	63.6 RT	18.8	1275+69.93	63.4 LT	16.8	128	1.57



INLET AND OUTLET APRON DETAIL



APRON SECTION



APRON PROFILE

STATE OF ALASKA
49TH
PROJECT ENGINEER
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REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

CC28A PIPE
INSTALLATION DETAILS

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:42 PM	1" = 10'	MAC	REH	CSL

DRAWING LOCATION
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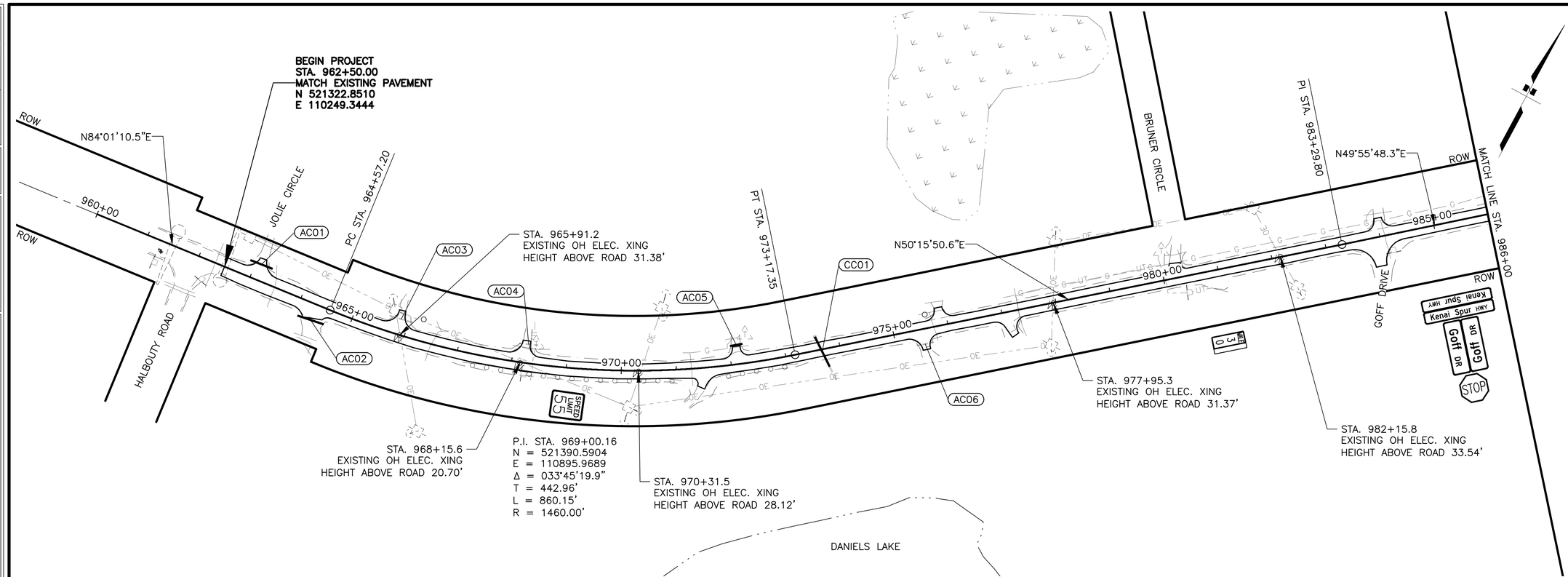
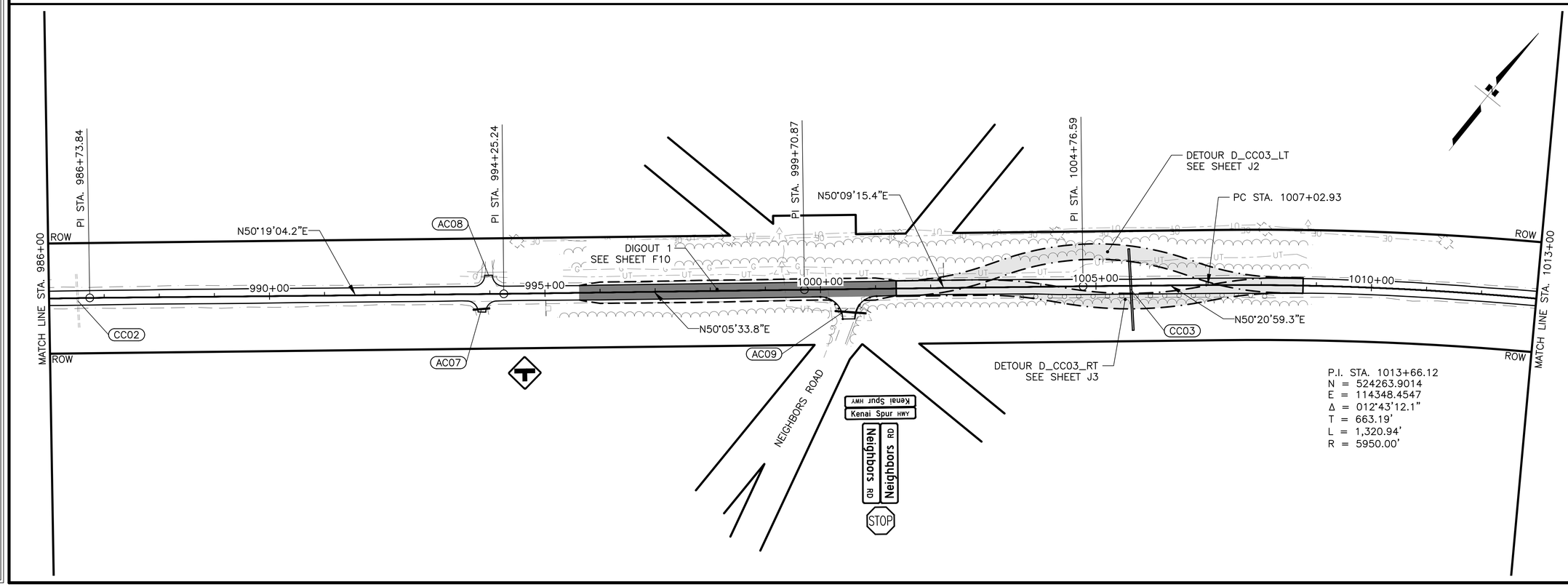
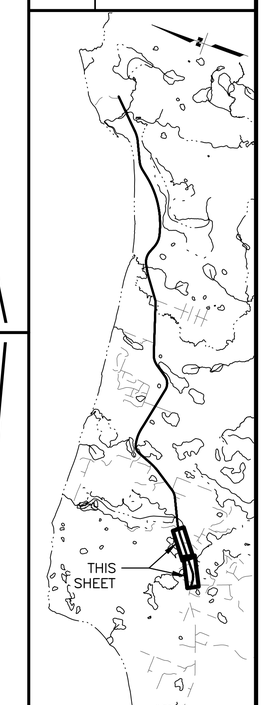
SHEET NO.	TOTAL SHEETS
F1	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

PLAN SHEET
STA. 960+00 TO
STA. 1013+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
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DRAWING LOCATION
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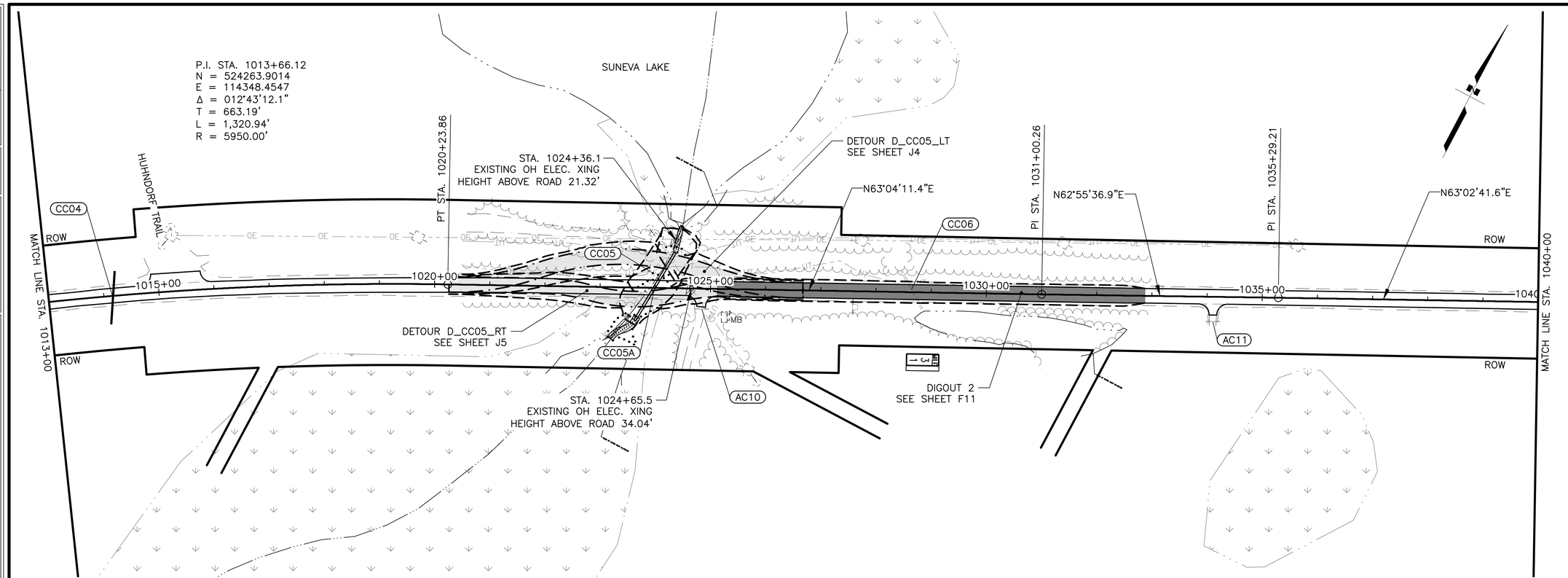
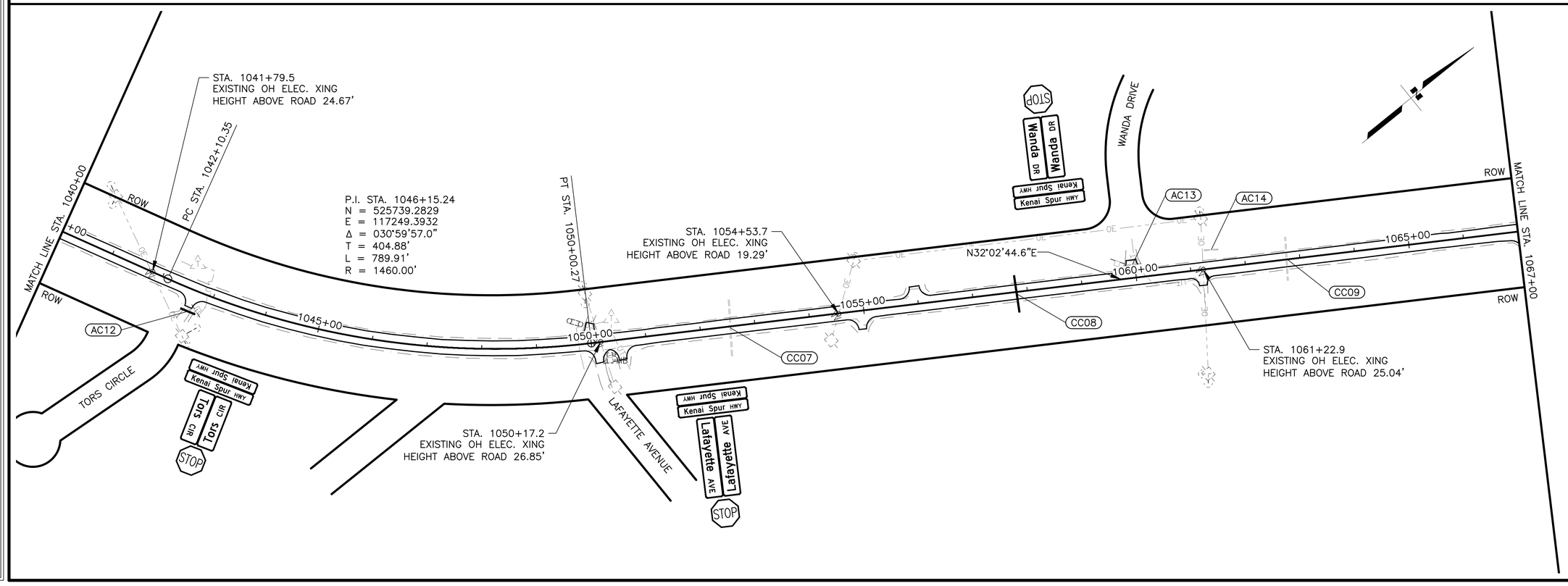
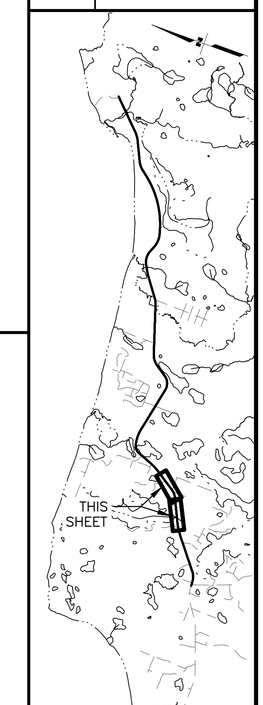
SHEET NO.	TOTAL SHEETS
F2	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

PLAN SHEET
STA. 1013+00 TO
STA. 1067+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
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DRAWING LOCATION
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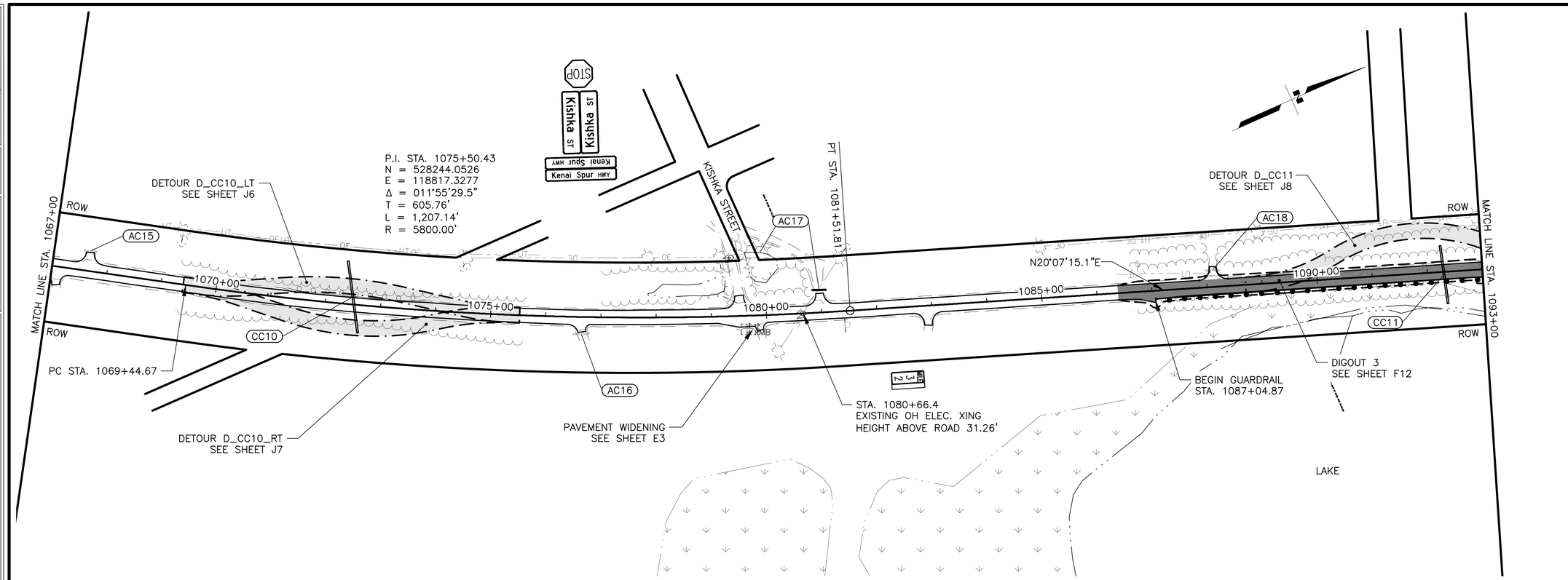
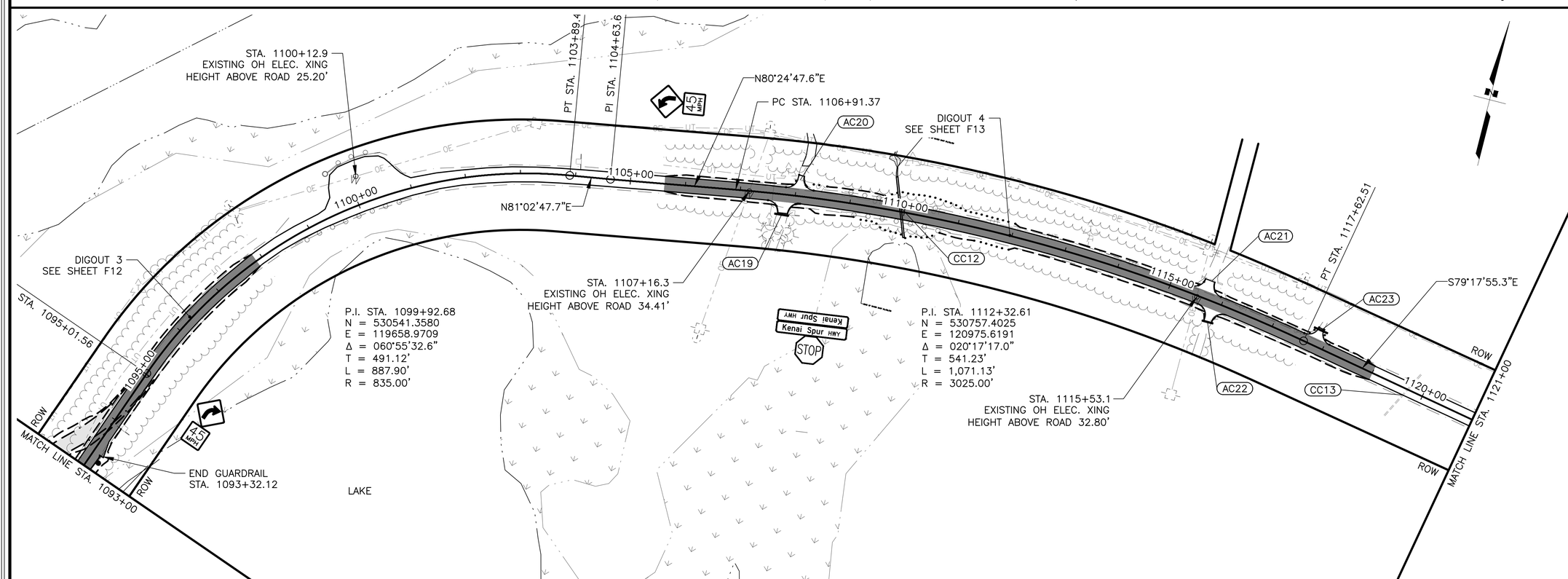
SHEET NO.	TOTAL SHEETS
F3	F24
STATE	YEAR
ALASKA	2025

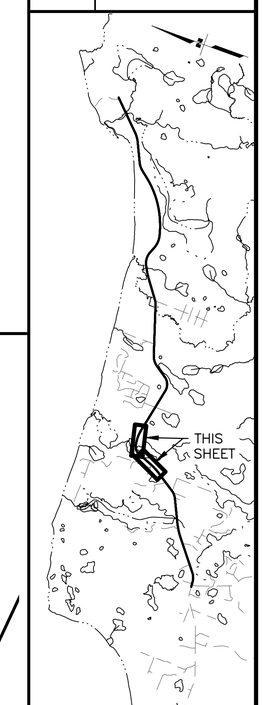
PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW

STATE OF ALASKA DOT&PF
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

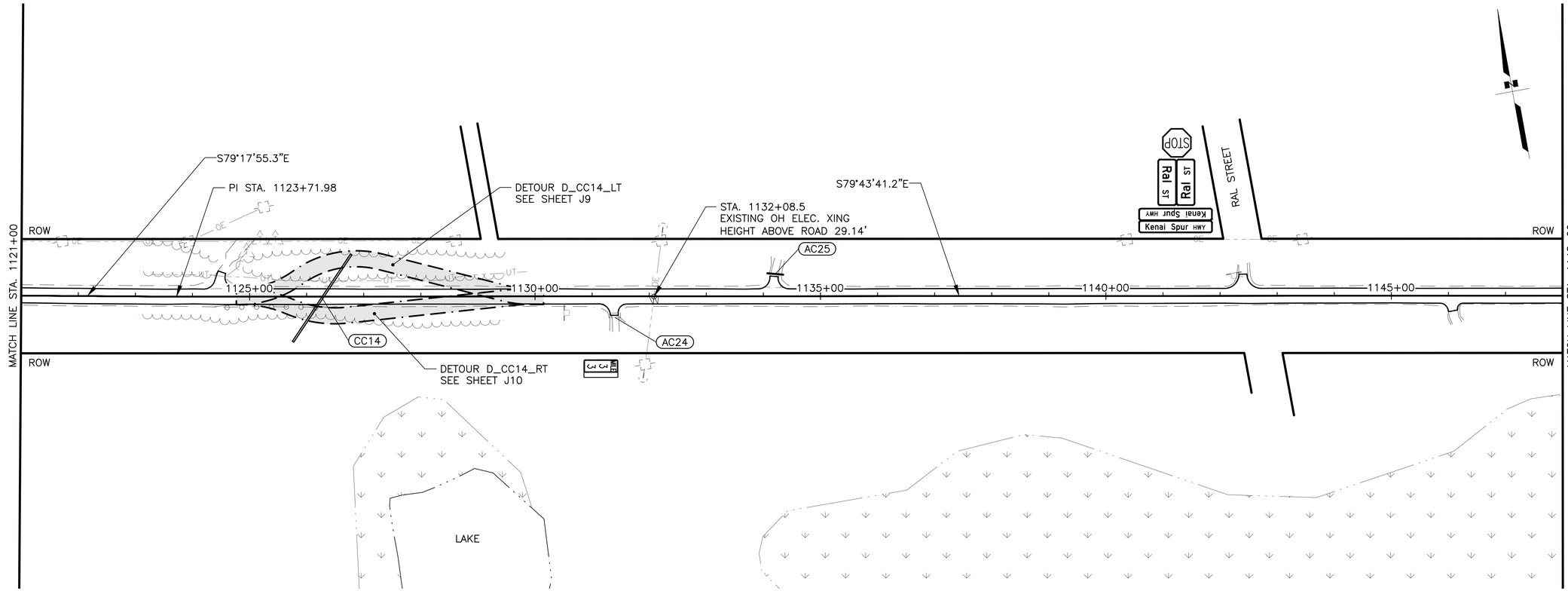
PLAN SHEET
STA. 1067+00 TO
STA. 1121+00

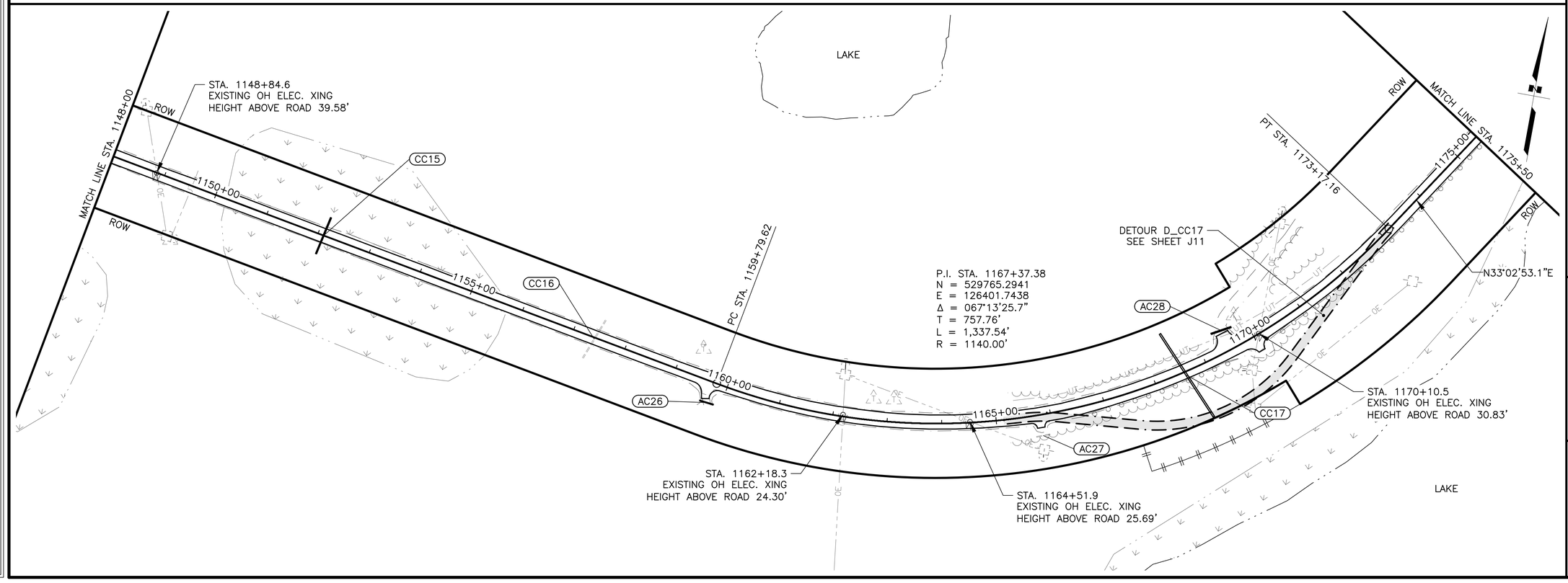
DRAWING LOCATION	
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-F-PNP.DWG	
DESIGNED BY	CSL
CHECKED BY	REH
DRAFTED BY	MAC
SCALE	1" = 100'
DATE	6/7/2025
TIME	2:18 PM

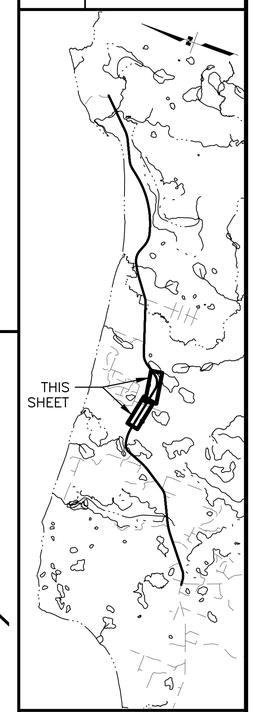
SHEET NO.	TOTAL SHEETS
F4	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
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(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

PLAN SHEET
STA. 1121+00 TO STA. 1175+50

DATE	TIME
6/7/2025	2:18 PM

SCALE 1" = 100'

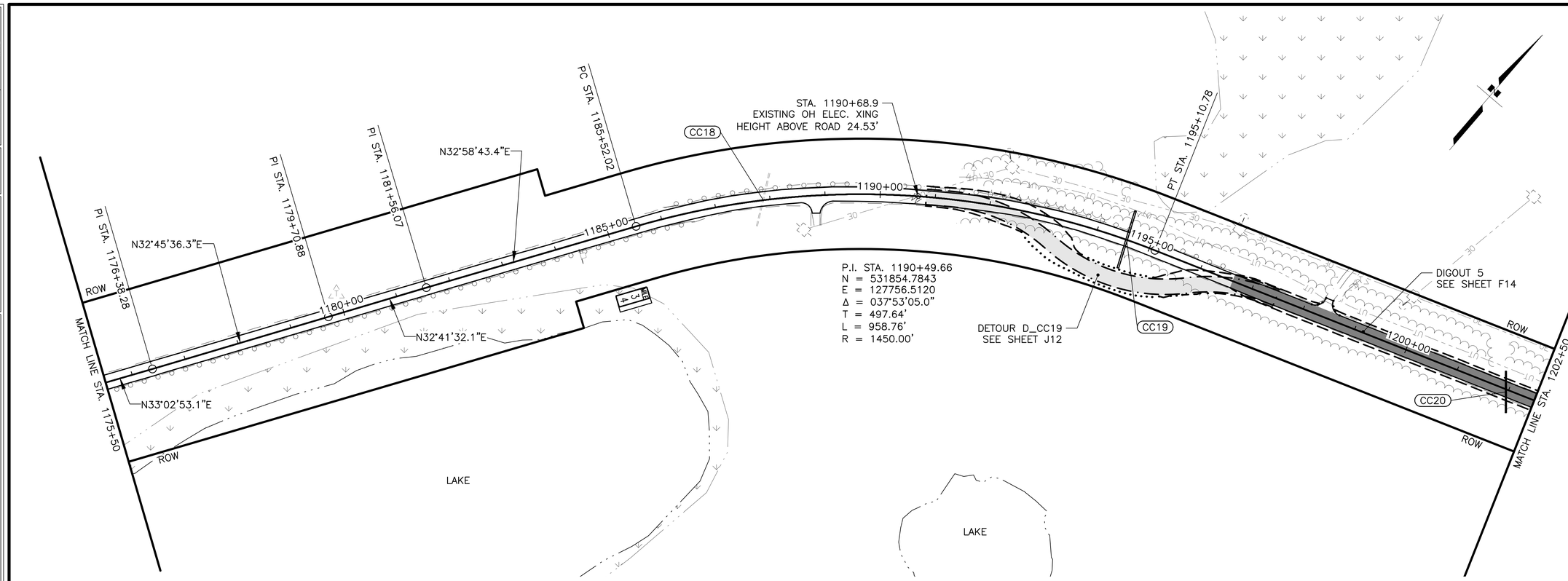
DESIGNED BY	CSL
CHECKED BY	RER
DRAFTED BY	MAC

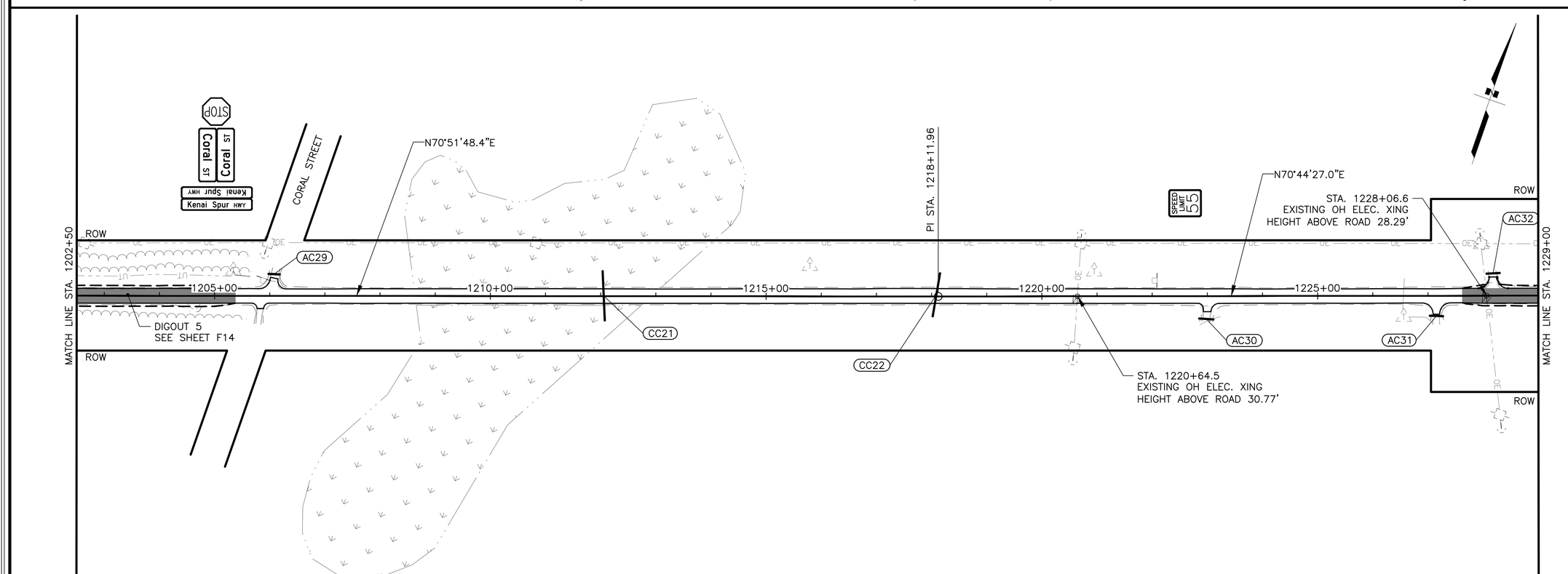
DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-F-PNP.DWG

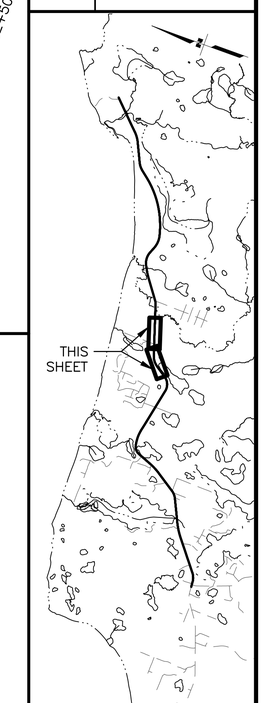
SHEET NO.	TOTAL SHEETS
F5	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
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(907) 269-0590

STATE OF ALASKA
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AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29–38
PAVEMENT PRESERVATION

PLAN SHEET
STA. 1175+50 TO
STA. 1229+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:18 PM	1" = 100'	CSL	REH	MAC

DRAWING LOCATION
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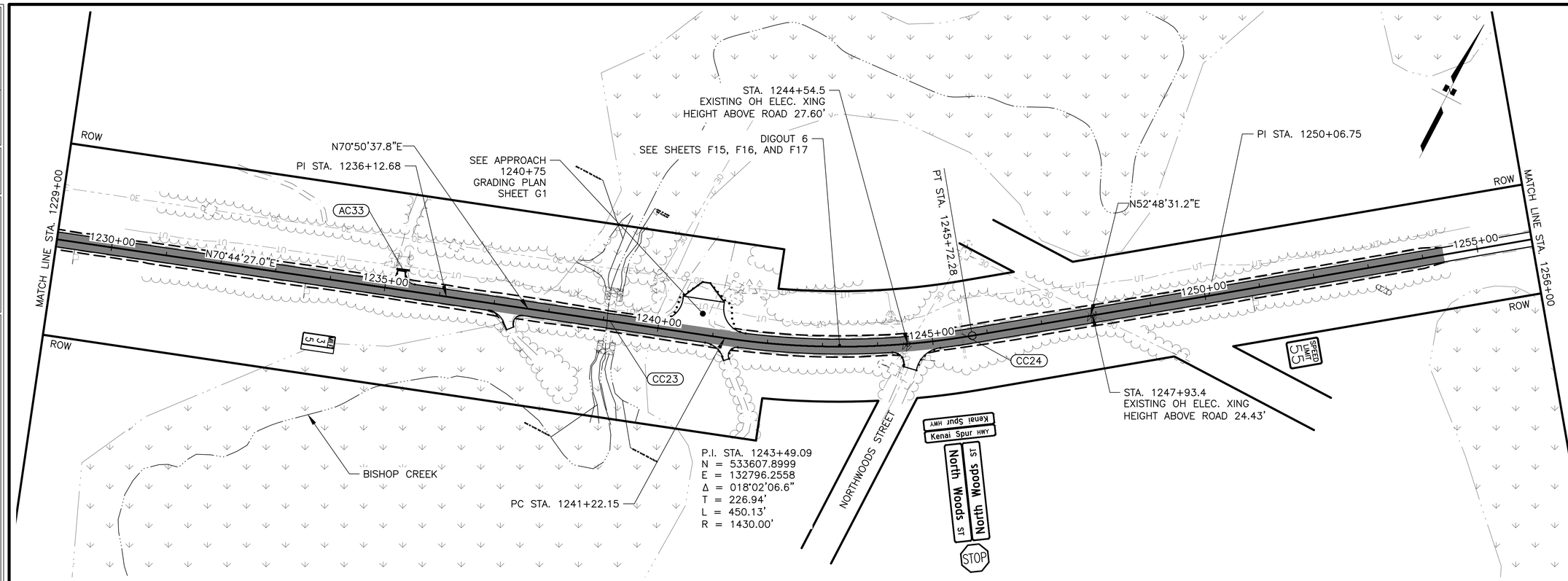
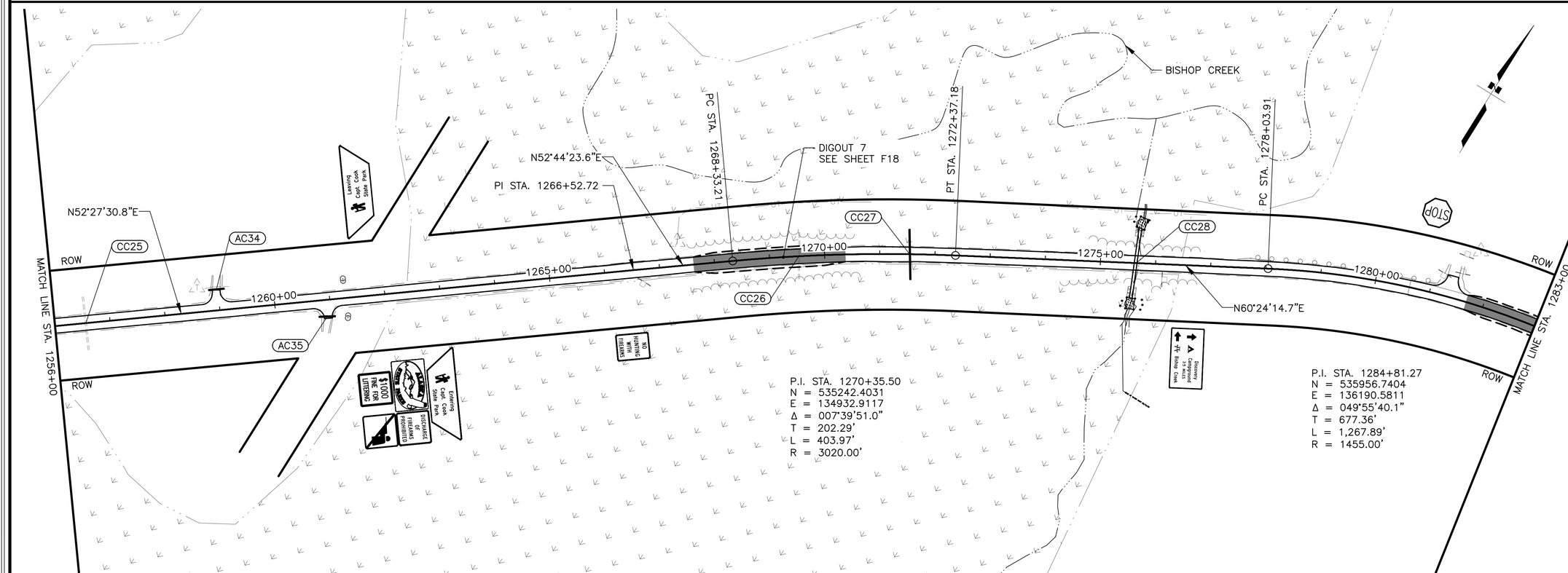
SHEET NO.	TOTAL SHEETS
F6	F24
STATE	YEAR
ALASKA	2025

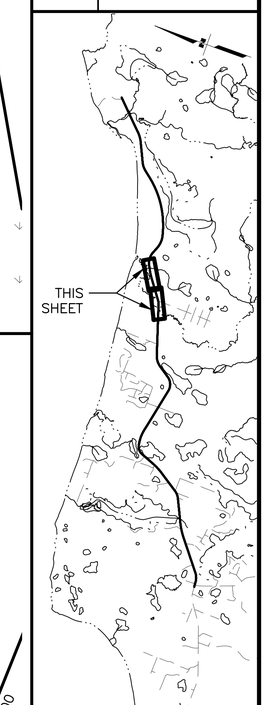
PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29–38
PAVEMENT PRESERVATION

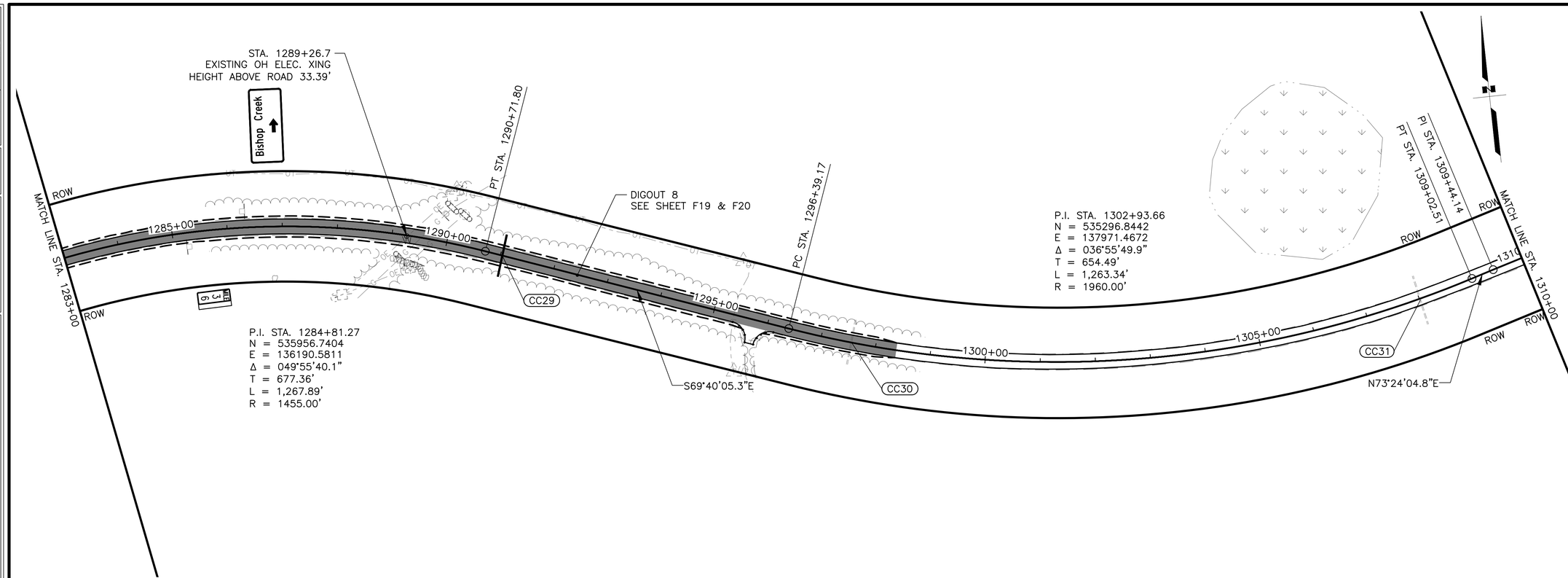
PLAN SHEET
STA. 1229+00 TO
STA. 1283+00

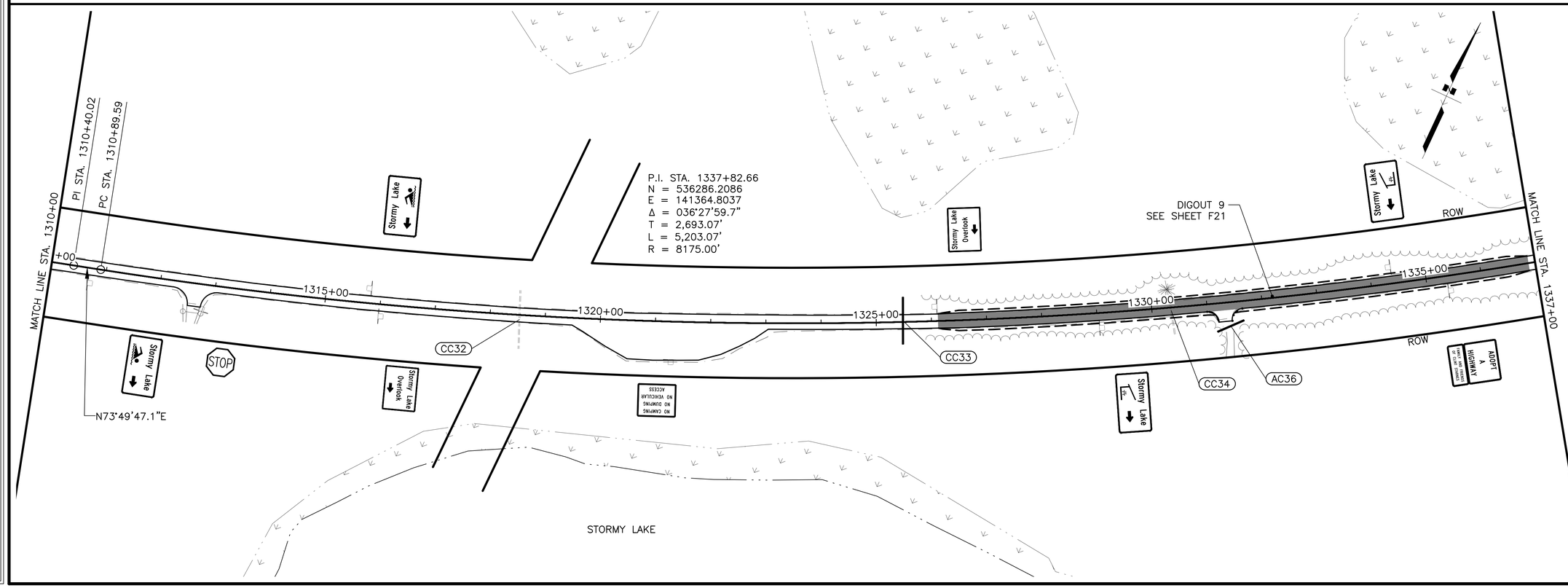
DATE	TIME	SCALE	DESIGNED BY	CSL
6/7/2025	2:18 PM	1" = 100'	CHECKED BY	RCH
			DRAFTED BY	MA

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-F-PNP.DWG

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:19 PM	1" = 100'	CSL	REH	MAC

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-F-PNP.DWG

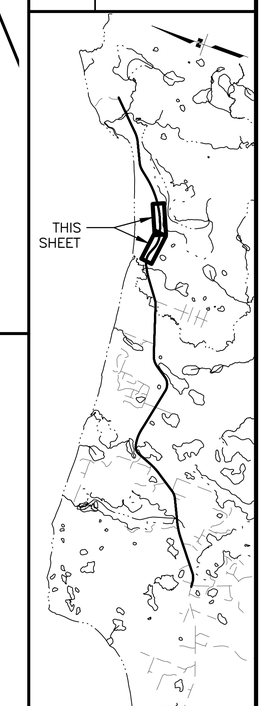




SHEET NO.	TOTAL SHEETS
F7	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

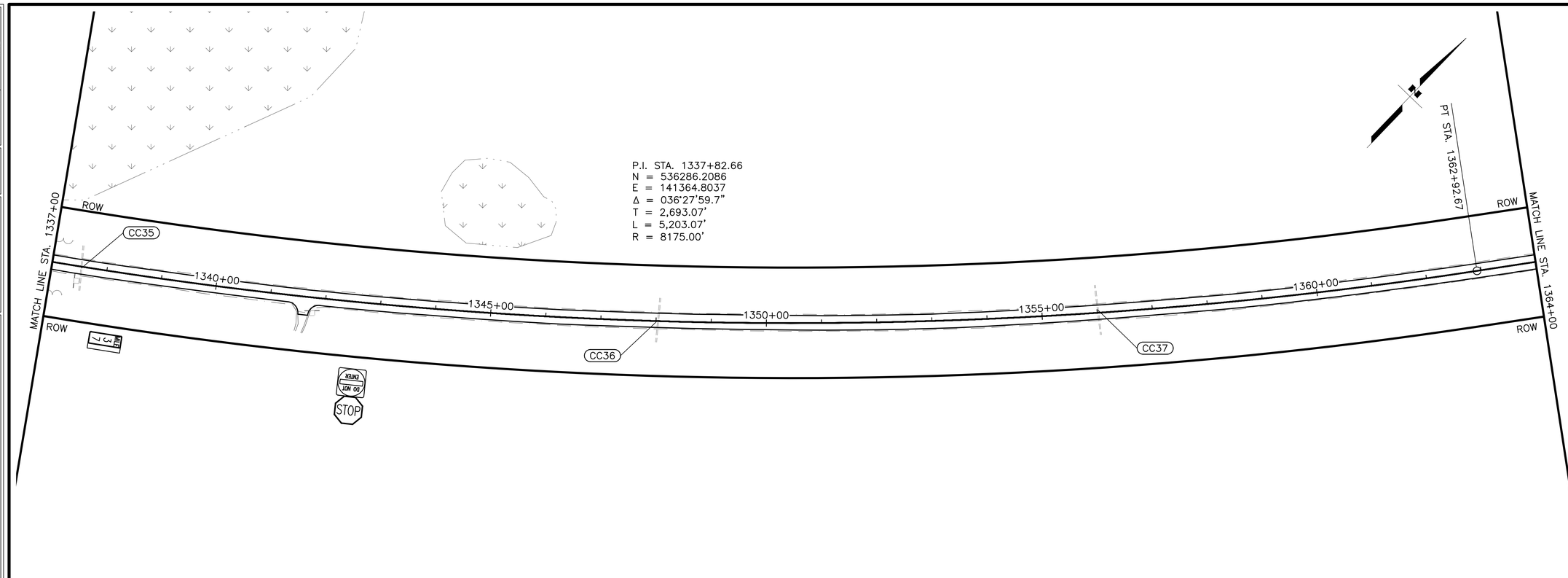
PLAN SHEET
STA. 1283+00 TO STA. 1337+00

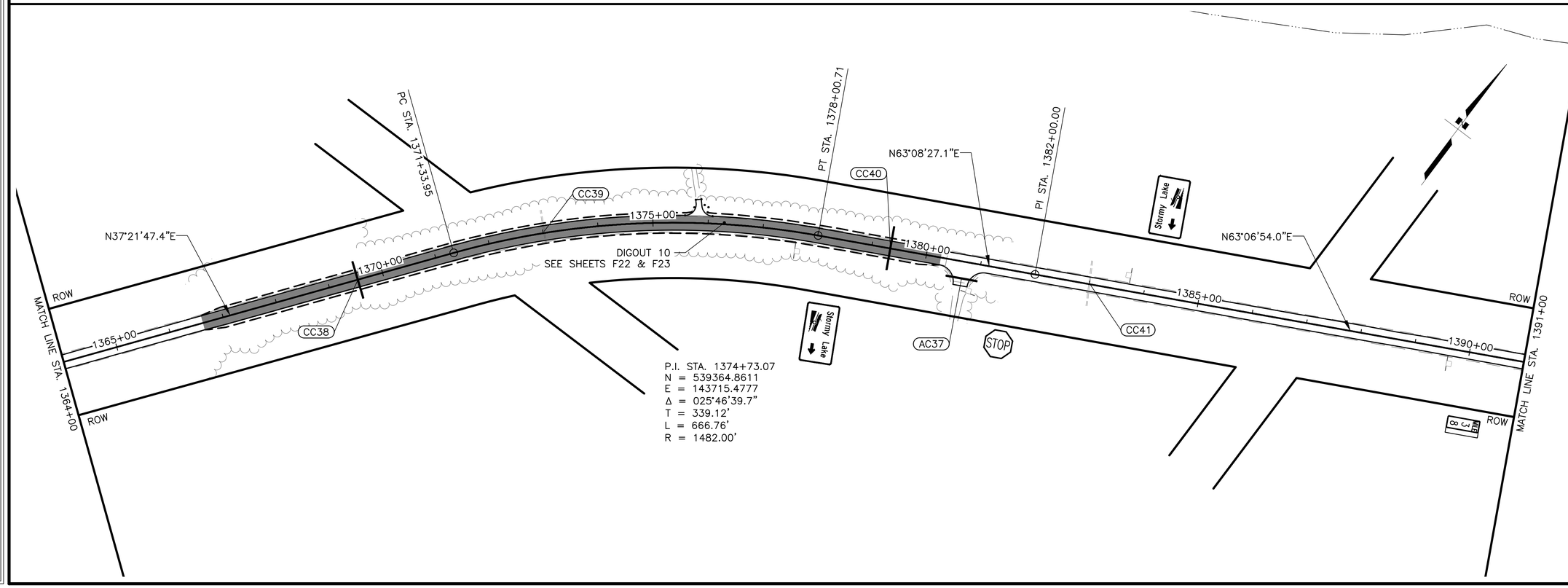
SHEET NO.	TOTAL SHEETS
F8	F24
STATE	YEAR
ALASKA	2025

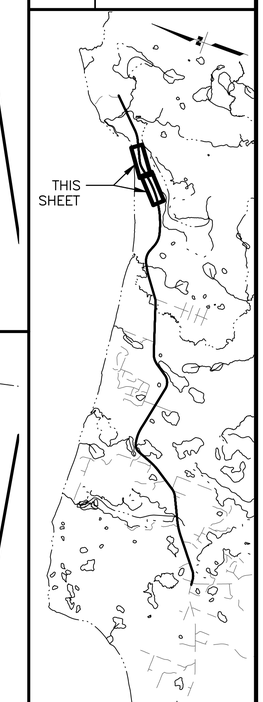
PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

PLAN SHEET
STA. 1337+00 TO
STA. 1391+00

DATE	TIME	SCALE	DESIGNED BY	CSL
6/7/2025	2:19 PM	1" = 100'	CHECKED BY	RCH
			DRAFTED BY	MAC

DRAWING LOCATION
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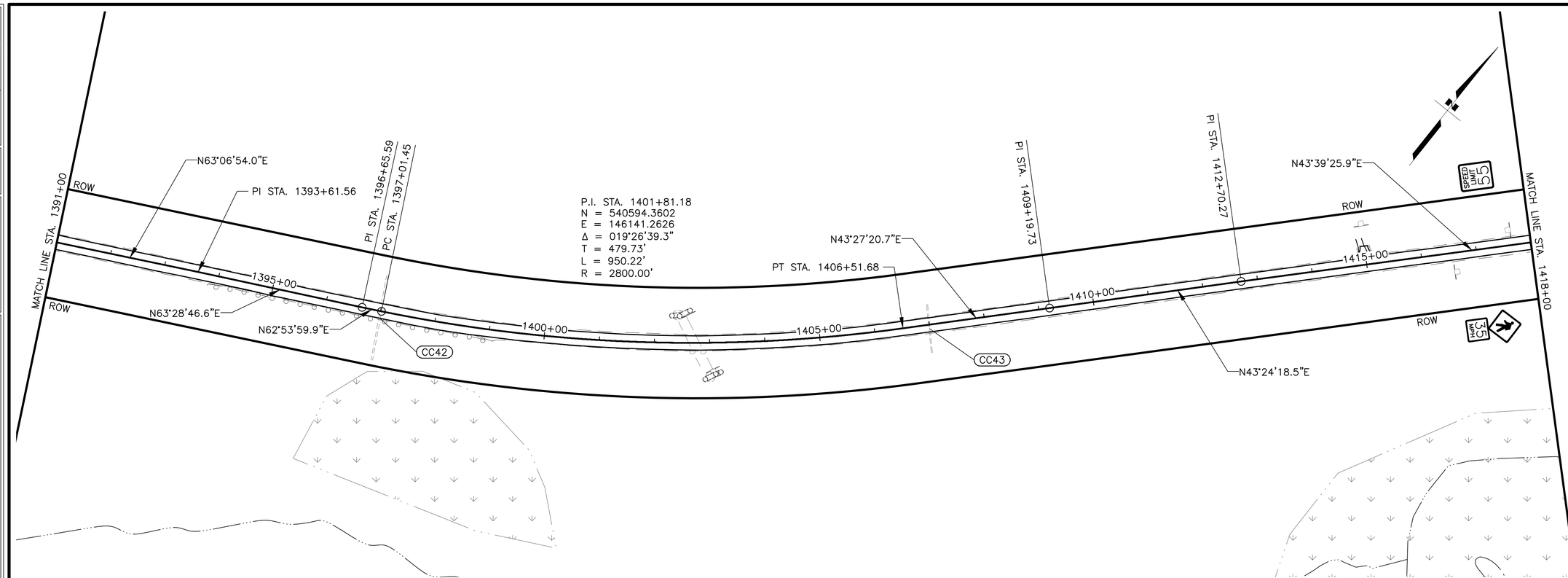
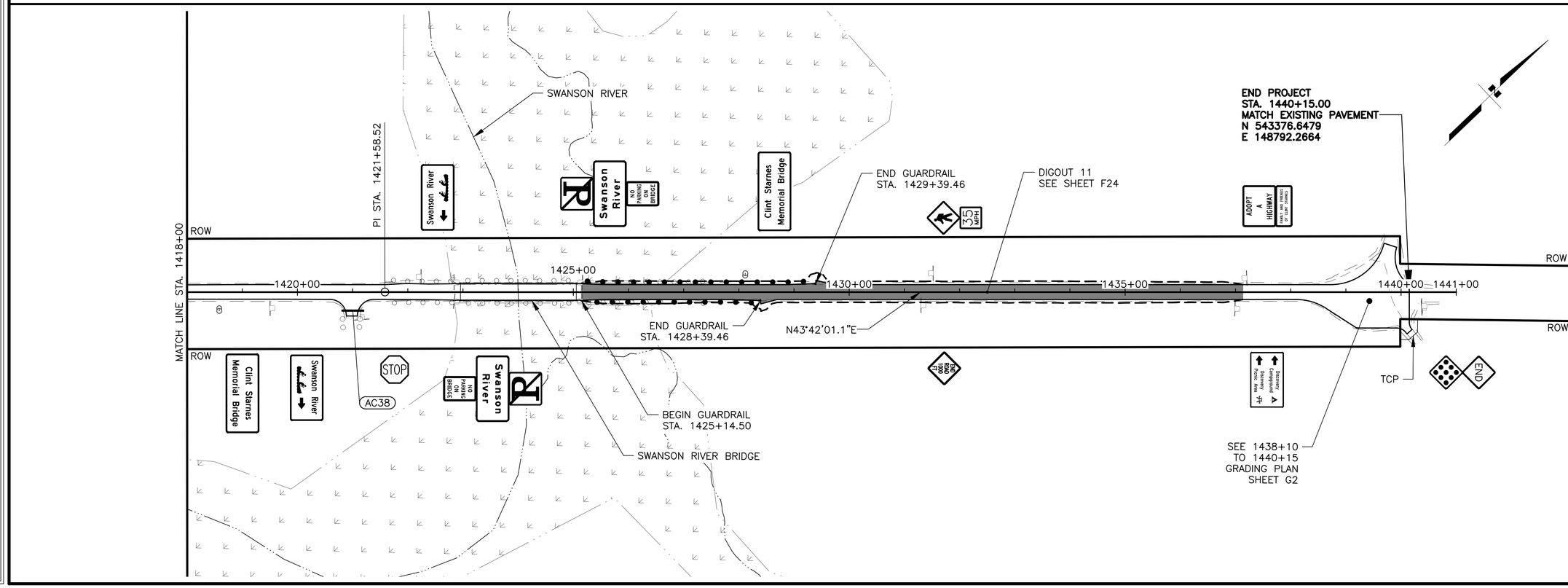
SHEET NO.	TOTAL SHEETS
F9	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	





PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

PLAN SHEET
STA. 1391+00 TO
STA. 1441+00

DATE	TIME
6/7/2025	2:19 PM

SCALE 1" = 100'

DESIGNED BY CSL
CHECKED BY REH
DRAFTED BY MAC

DRAWING LOCATION
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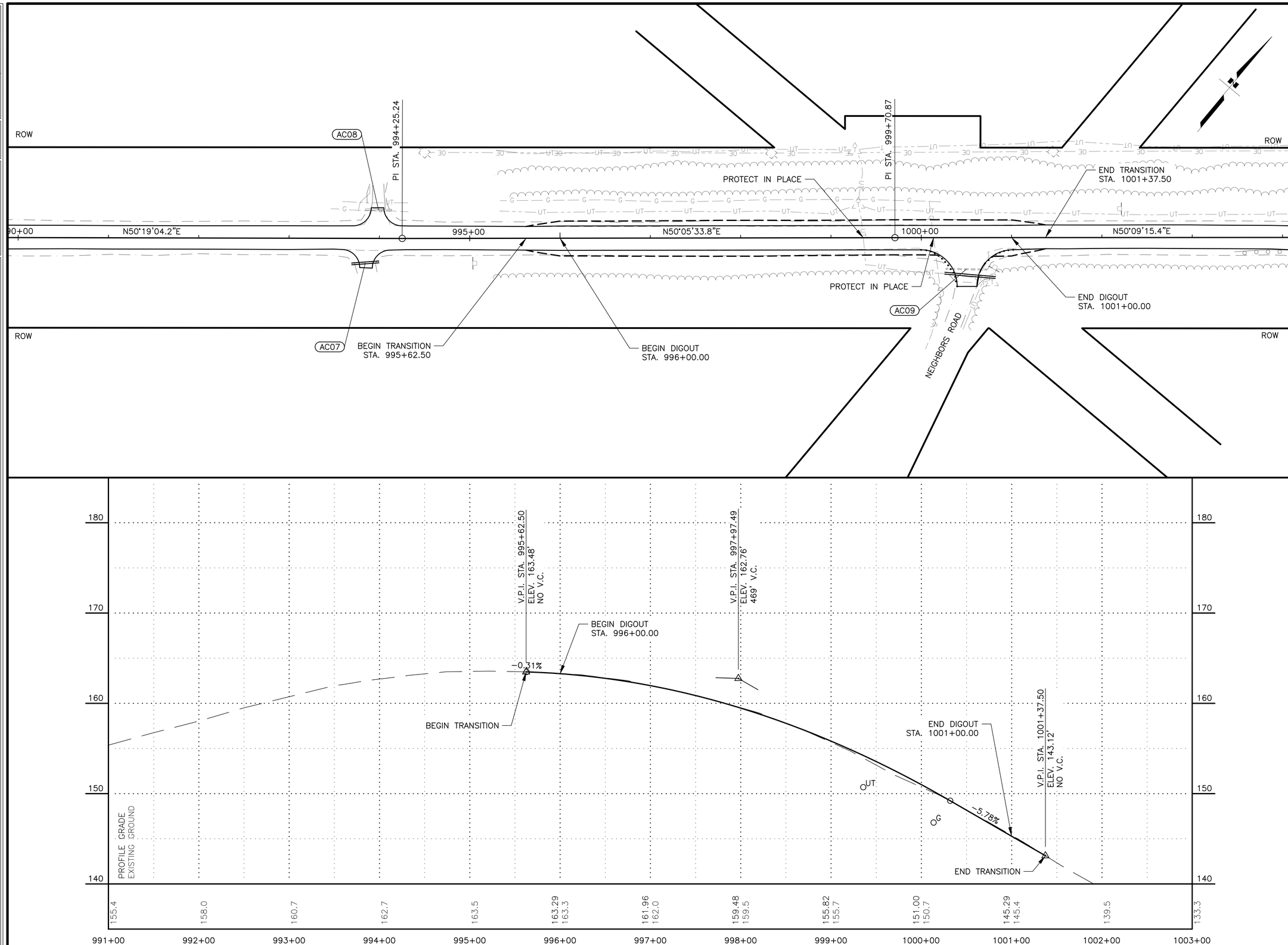
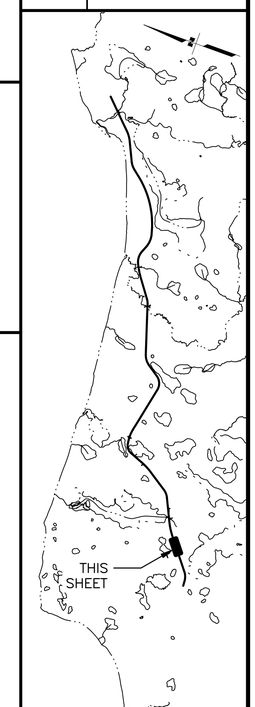


SHEET NO.	TOTAL SHEETS
F10	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 1
STA. 991+00 TO
STA. 1003+00

DESIGNED BY	CSL
CHECKED BY	RFH
DRAFTED BY	MAC
SCALE	1" = 50'
DATE	6/7/2025
TIME	2:19 PM

DRAWING LOCATION
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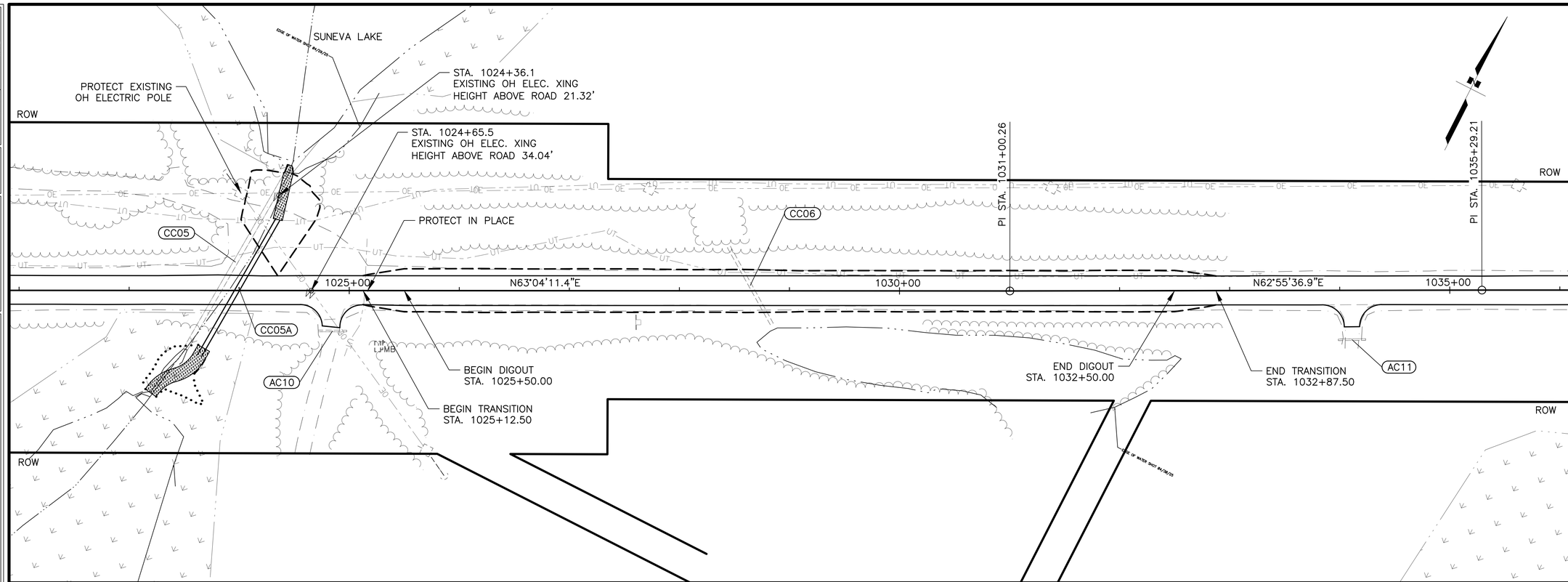
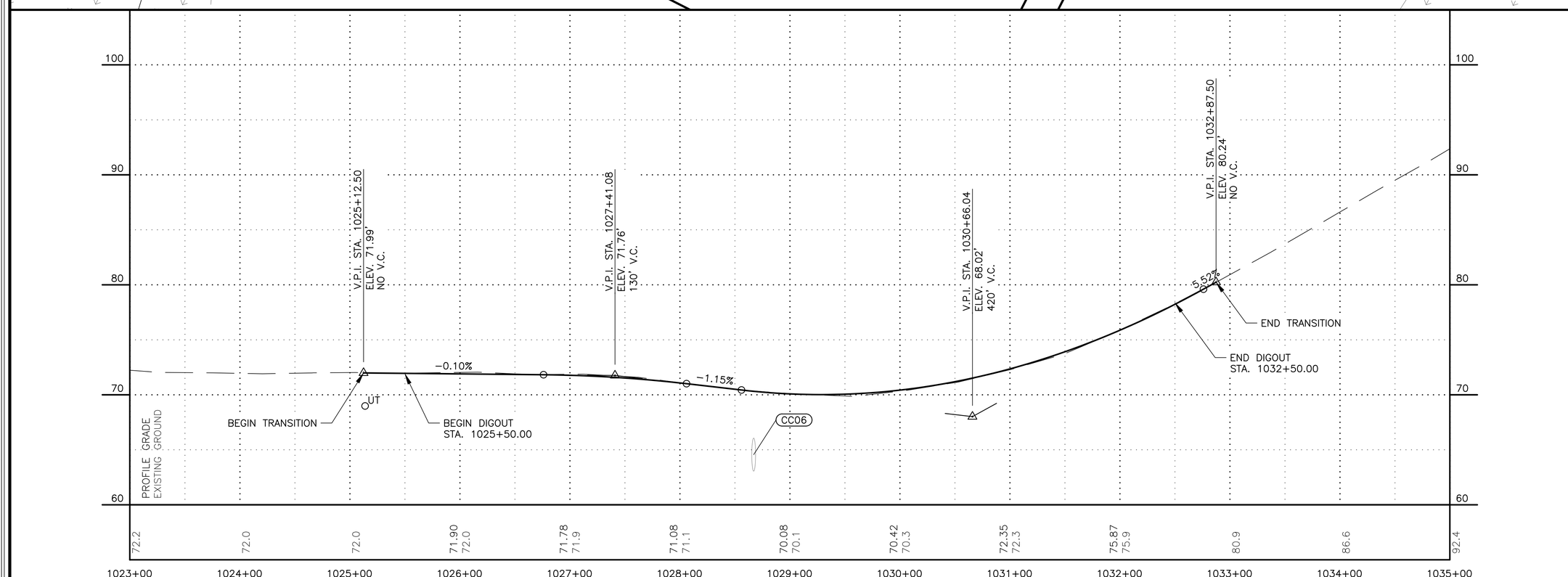


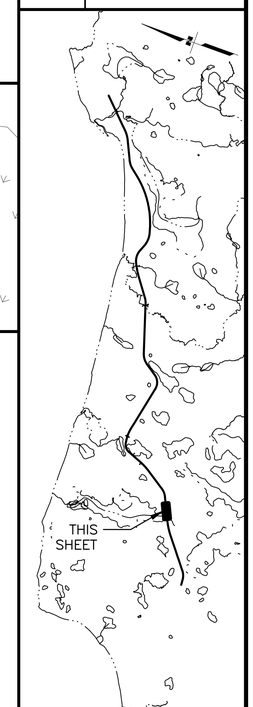


SHEET NO.	TOTAL SHEETS
F11	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW
STATE OF ALASKA
PROJECT MANAGER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 2
STA. 1023+00 TO
STA. 1035+00

DESIGNED BY CSL
CHECKED BY REH
DRAFTED BY MAC

SCALE 1" = 50'

DATE 6/7/2025 TIME 2:19 PM

DRAWING LOCATION
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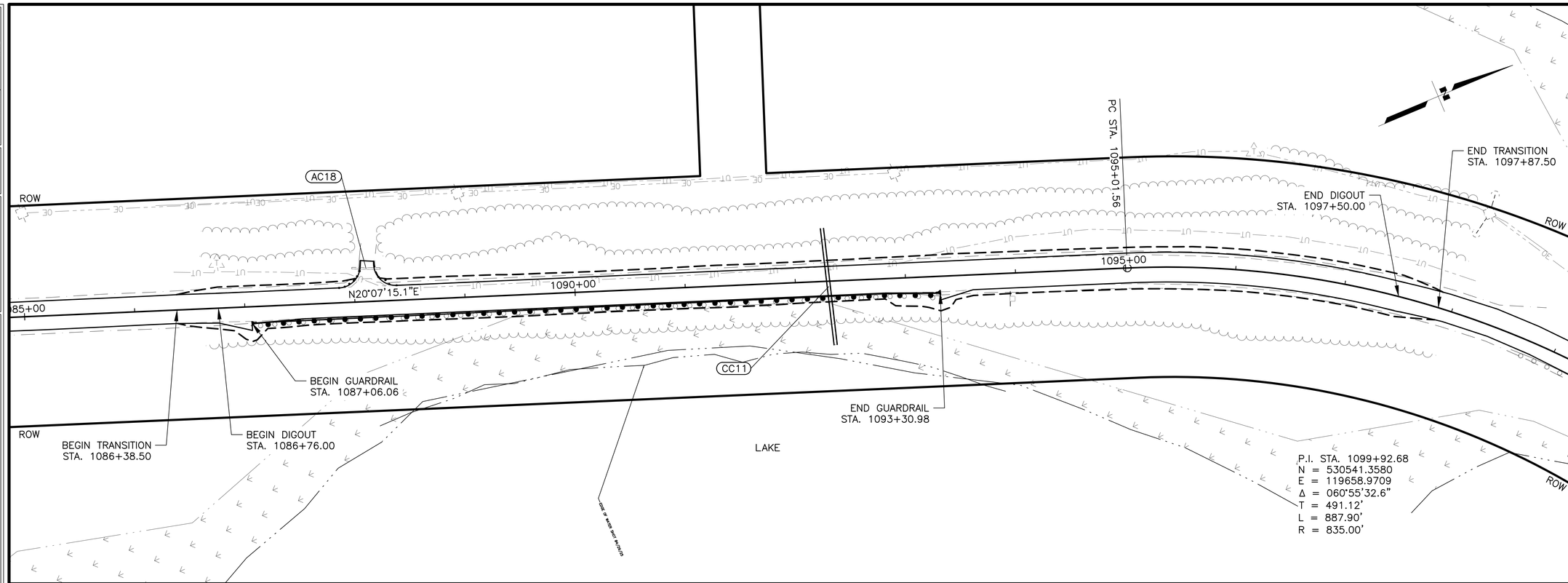
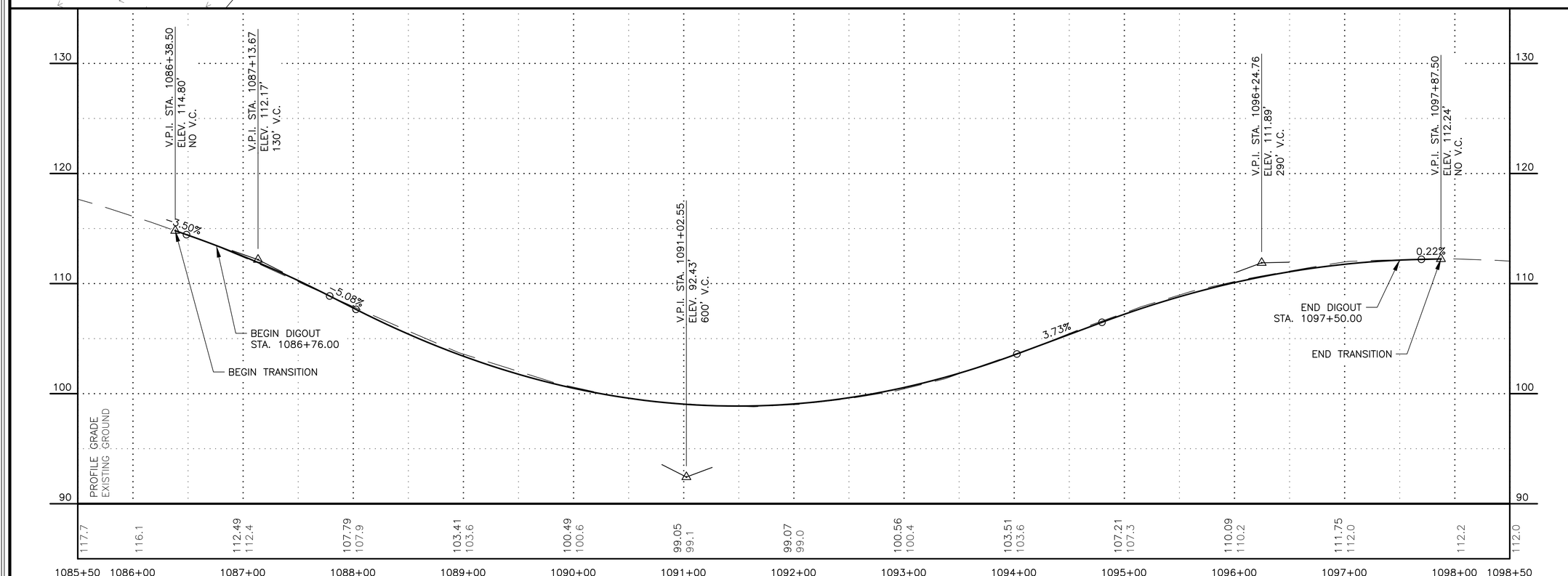
SHEET NO.	TOTAL SHEETS
F12	F24
STATE	YEAR
ALASKA	2025

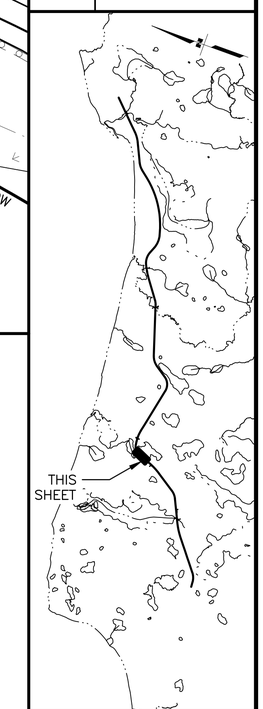
PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT MANAGER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 3
STA. 1085+50 TO
STA. 1098+50

DESIGNED BY	CSL
CHECKED BY	REH
DRAFTED BY	MAC
SCALE	1" = 50'
DATE	6/7/2025
TIME	2:20 PM

DRAWING LOCATION
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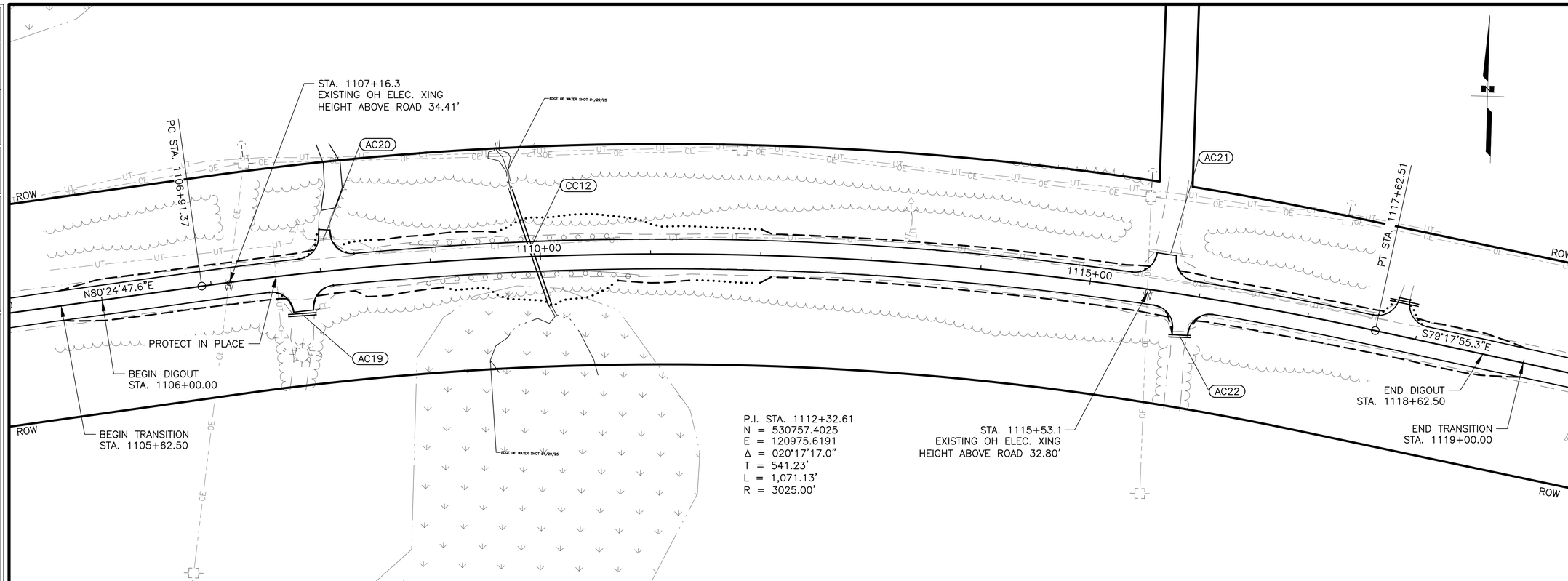
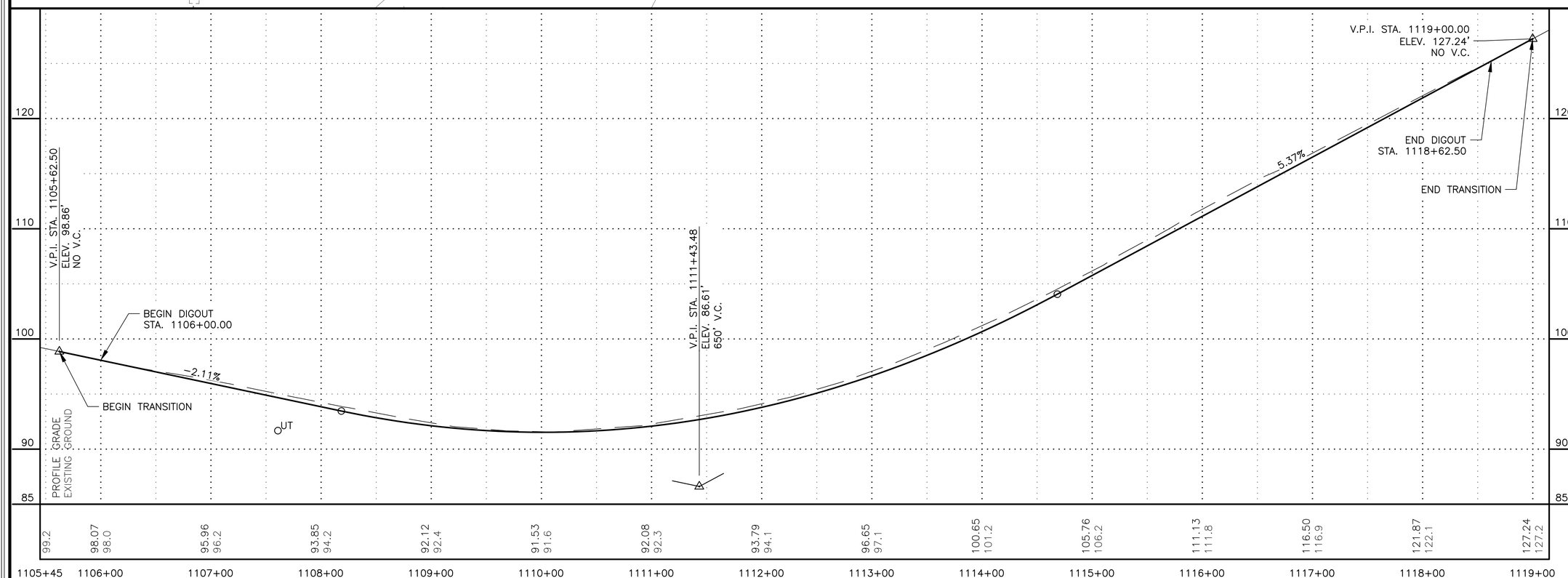
SHEET NO.	TOTAL SHEETS
F13	F24
STATE	YEAR
ALASKA	2025

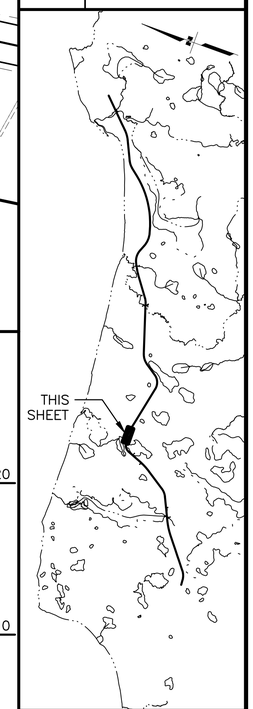
PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 4
STA. 1105+45 TO
STA. 1119+15

DESIGNED BY CSL
CHECKED BY RCH
DRAFTED BY MAC

SCALE 1" = 50'

DATE 6/7/2025 TIME 2:20 PM

DRAWING LOCATION
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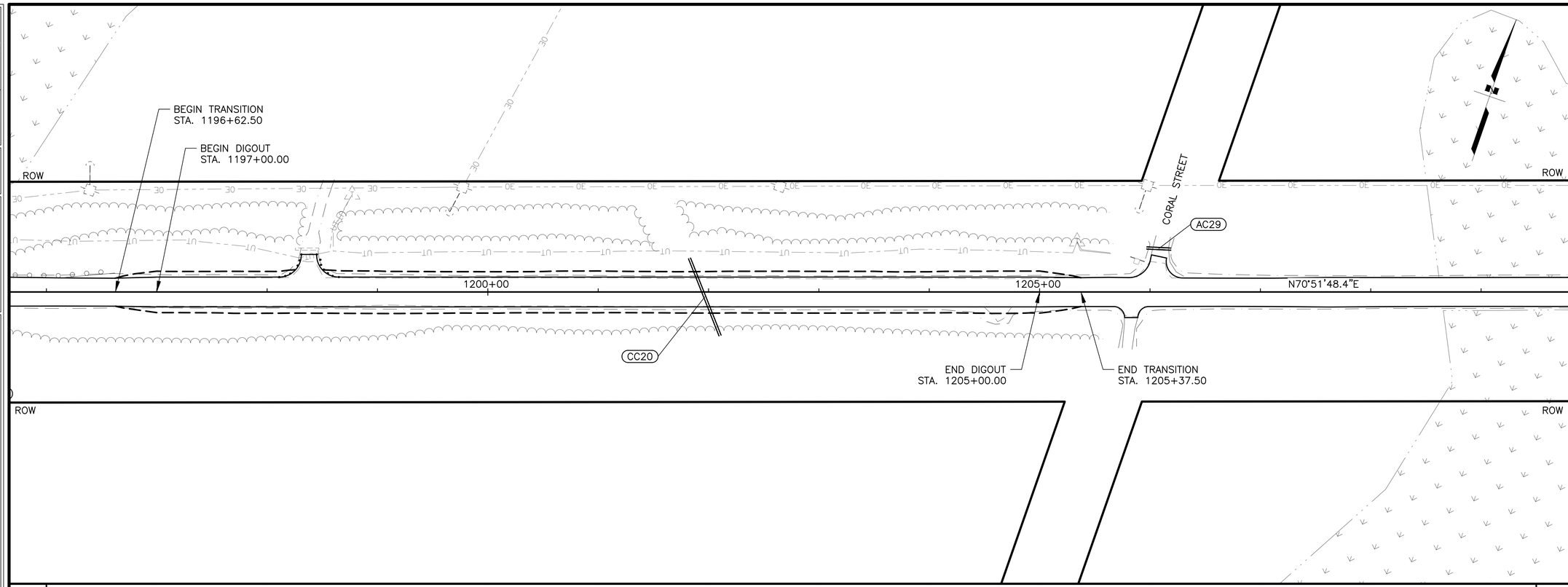
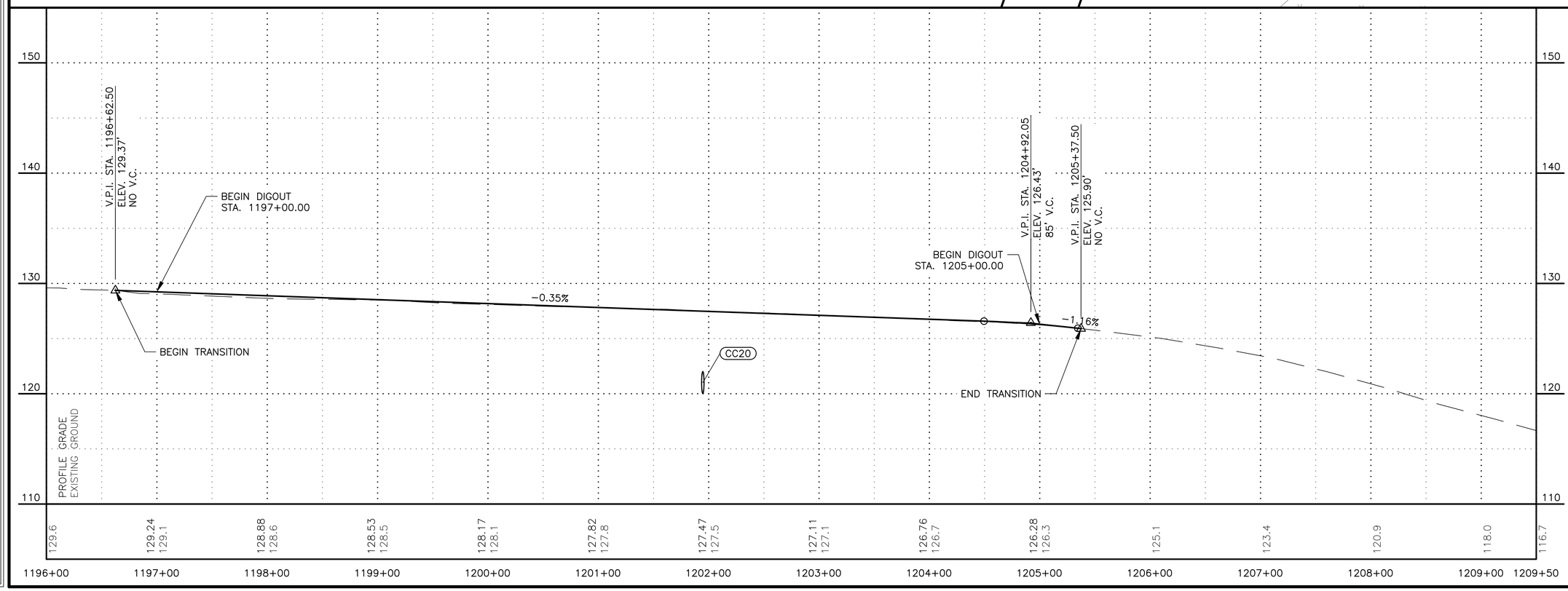
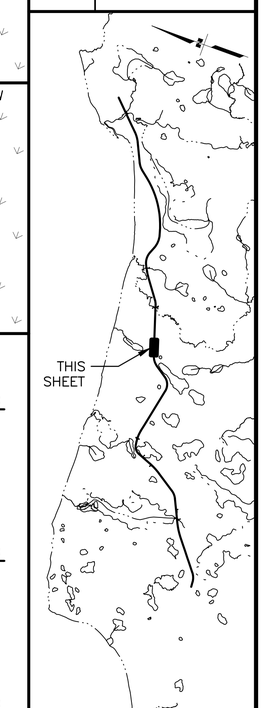
SHEET NO.	TOTAL SHEETS
F14	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PREAM REVIEW
STATE OF ALASKA
PROJECT NUMBER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 5
STA. 1196+00 TO
STA. 1209+50

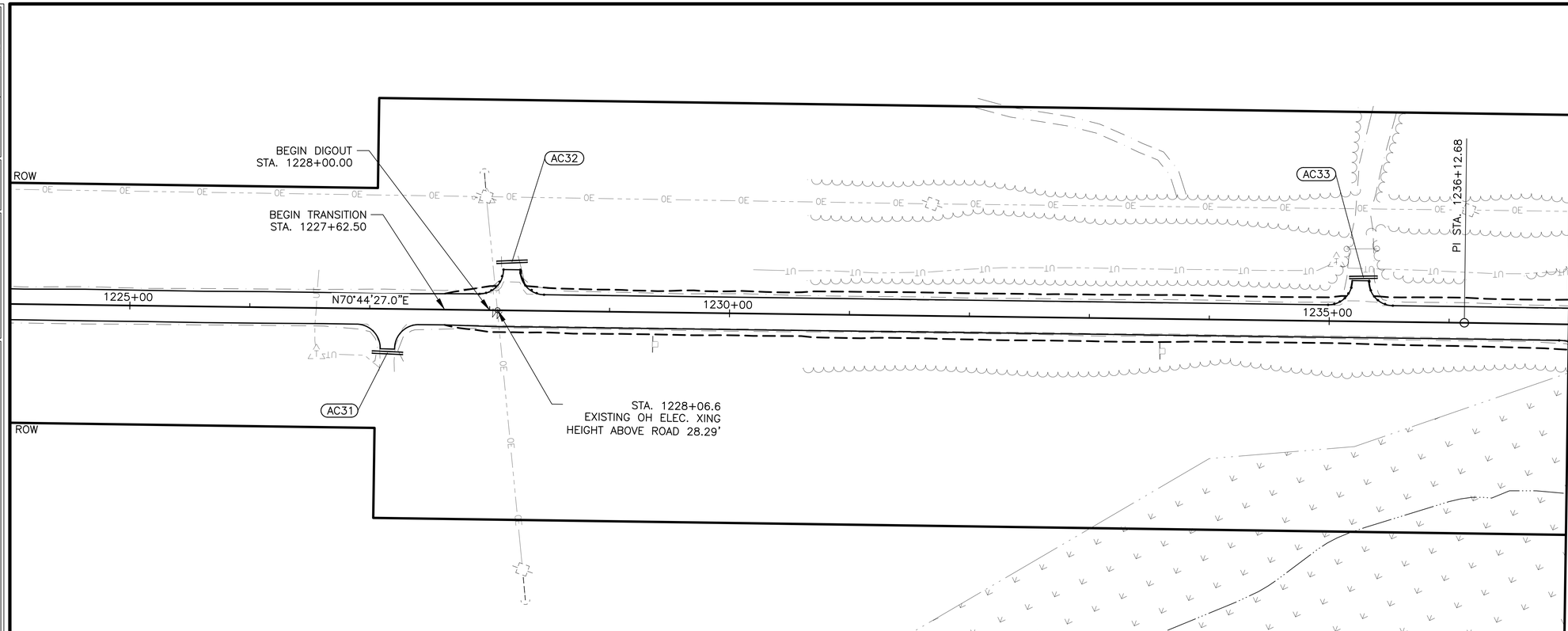
DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-F-PNP-DO.DWG

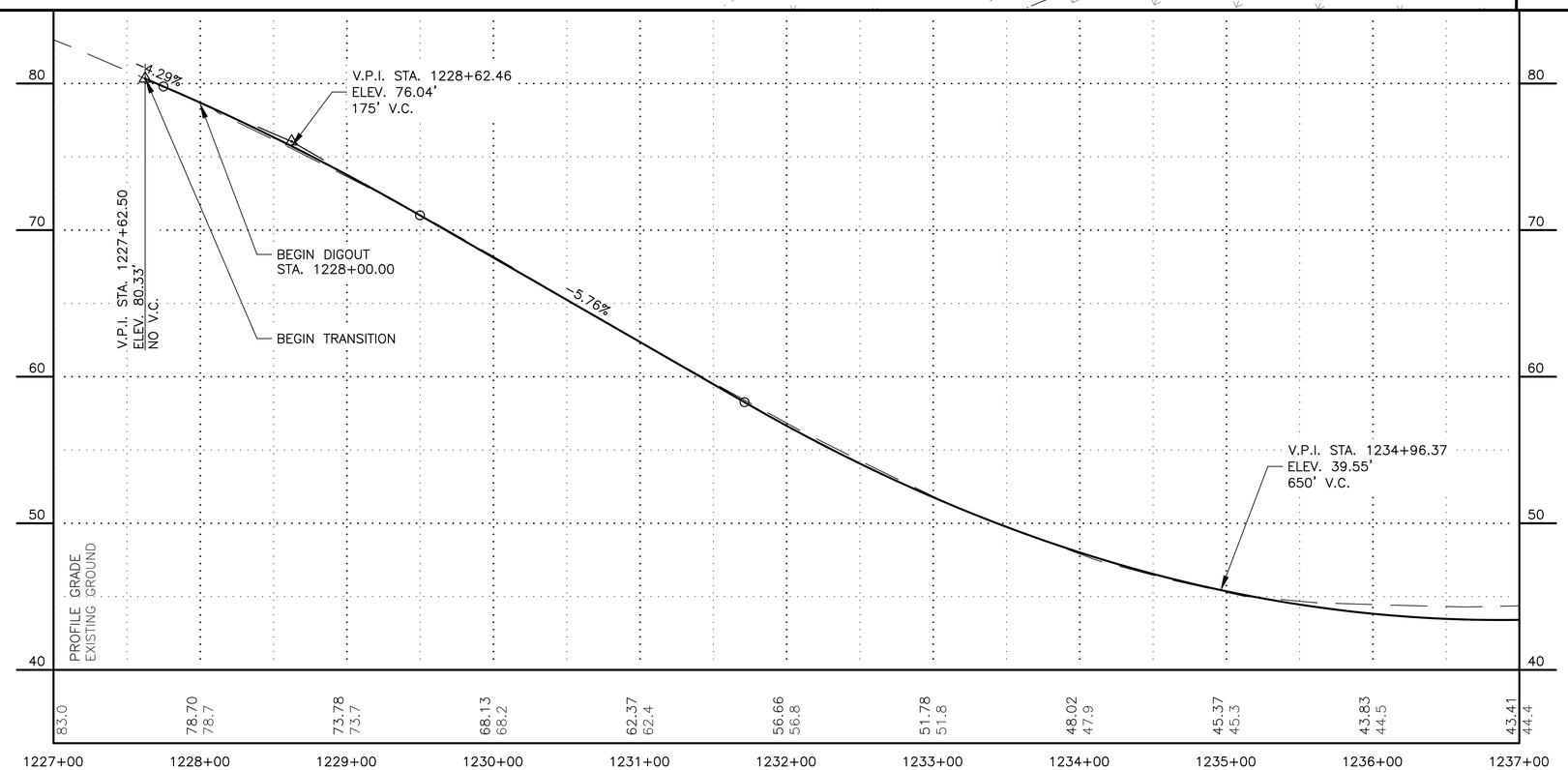
DATE 6/7/2025 TIME 2:20 PM
SCALE 1" = 50'
DESIGNED BY CSL
CHECKED BY REH
DRAFTED BY MAC

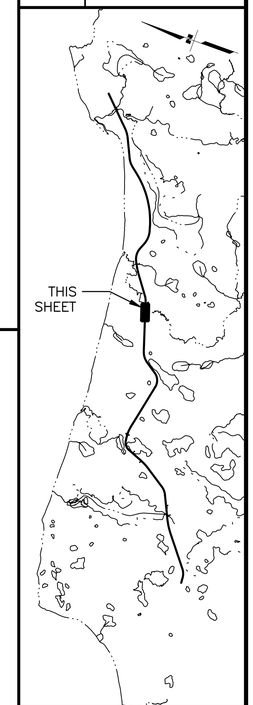
SHEET NO.	TOTAL SHEETS
F15	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION
DIGOUT 6
STA. 1227+00 TO
STA. 1237+00

DESIGNED BY	CSL
CHECKED BY	REH
DRAFTED BY	MAC
SCALE	1" = 50'
DATE	6/7/2025
TIME	2:20 PM

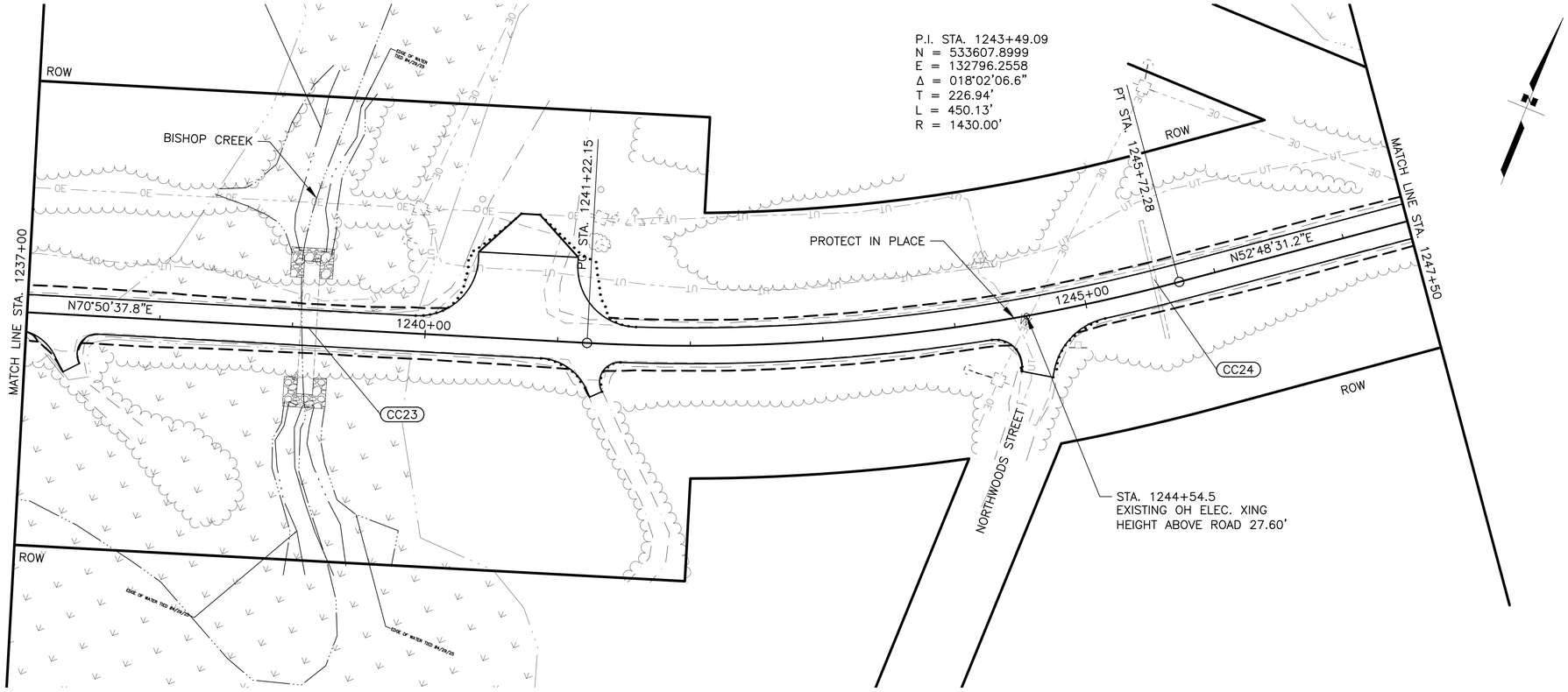
DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-F-PNP-DO.DWG

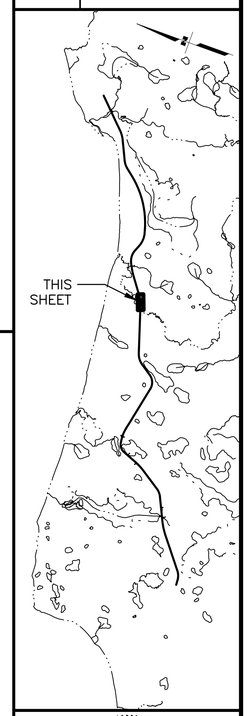
SHEET NO.	TOTAL SHEETS
F16	F24
STATE	YEAR
ALASKA	2025

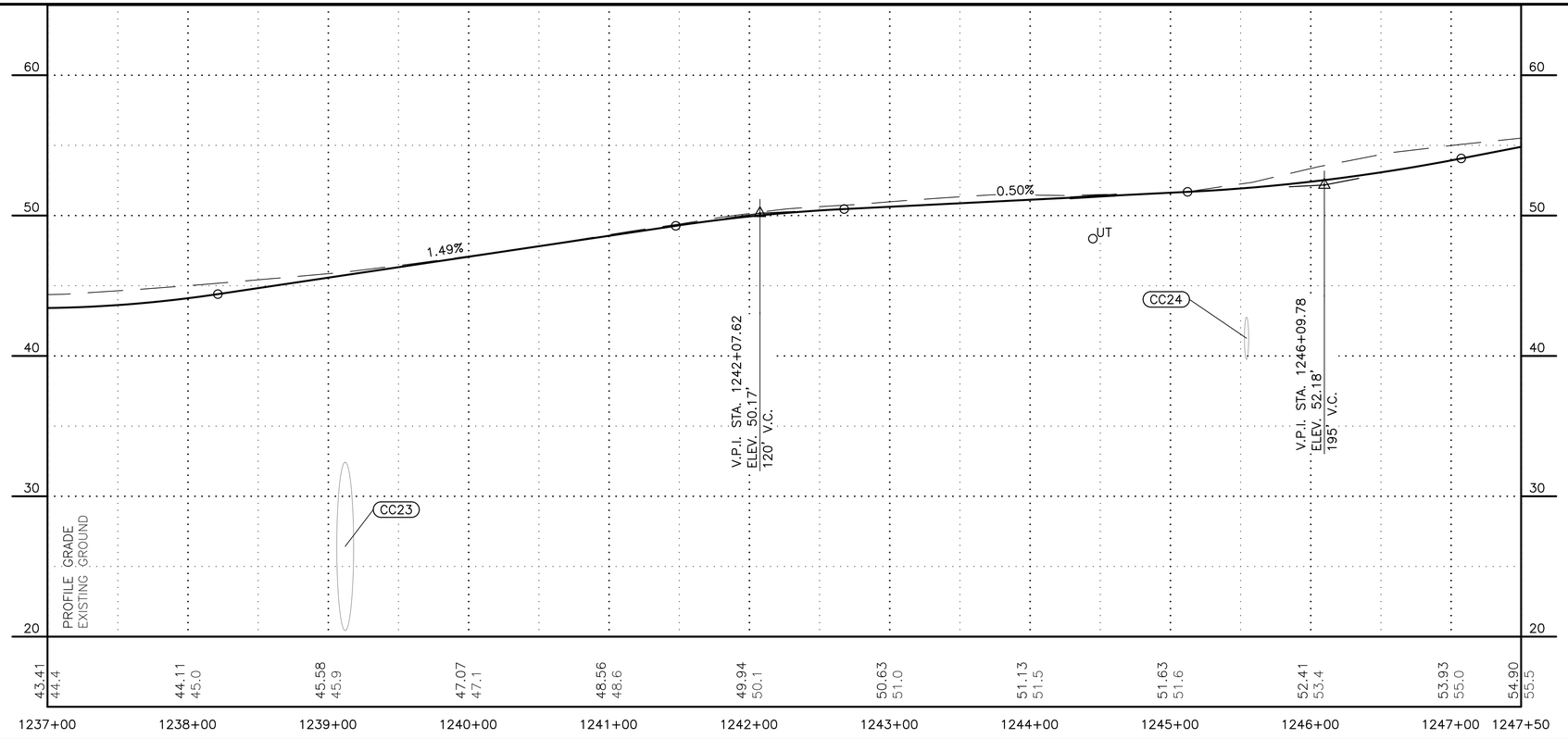
PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 6
STA. 1237+00 TO
STA. 1247+50

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:20 PM	1" = 50'	MAC	RCH	CSL

DRAWING LOCATION
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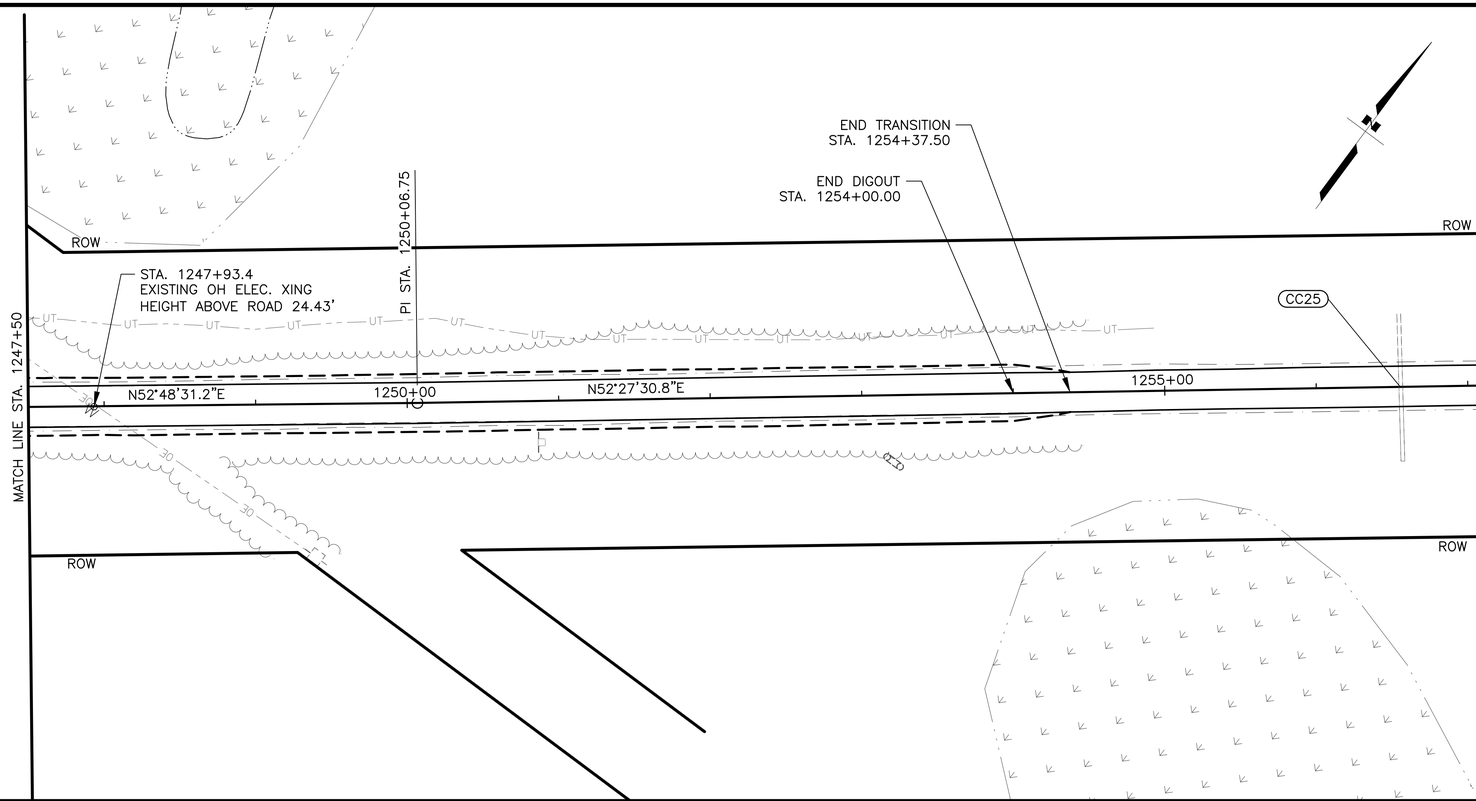
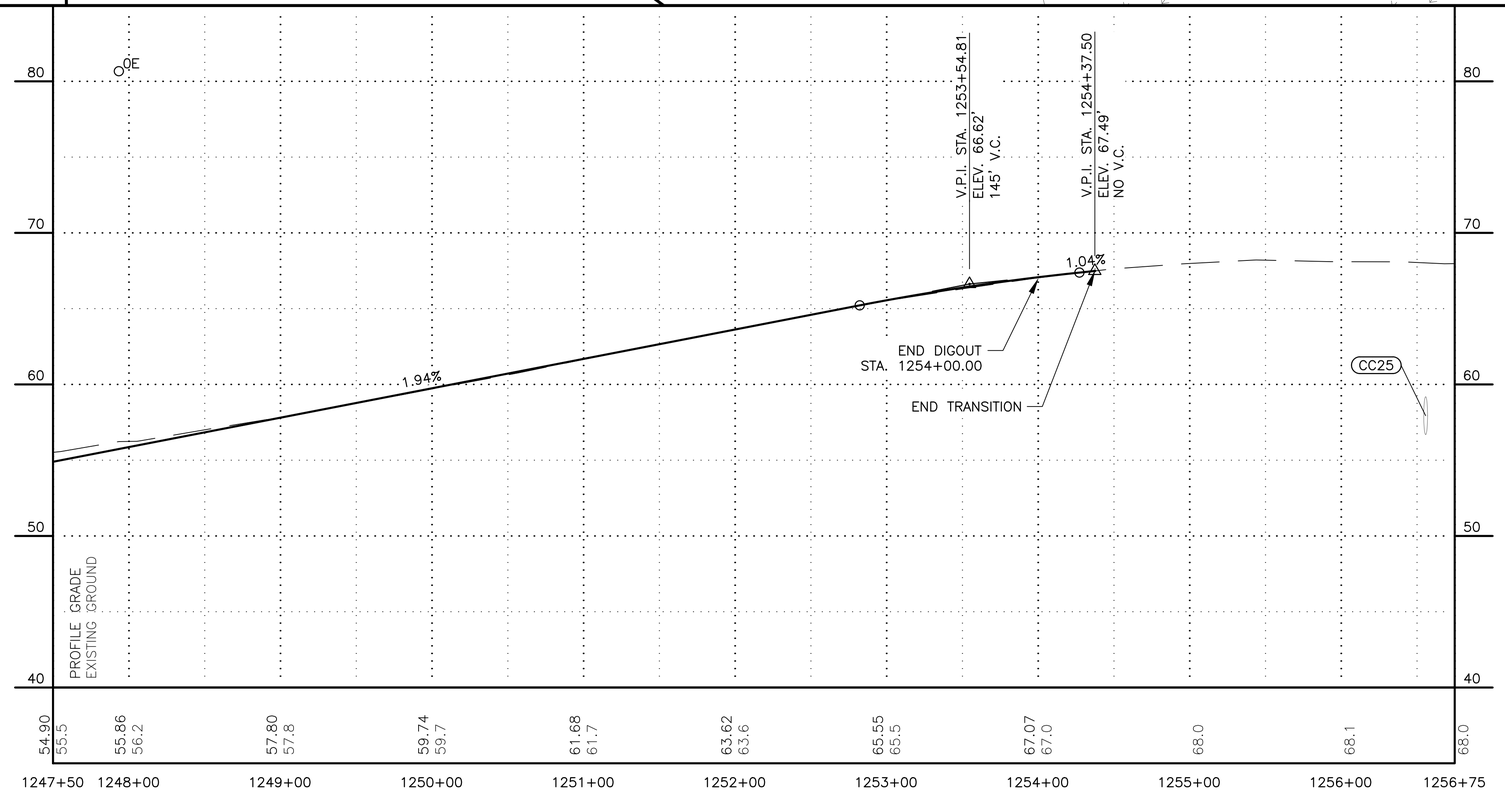
SHEET NO.	TOTAL SHEETS
F17	F24
STATE	YEAR
ALASKA	2025

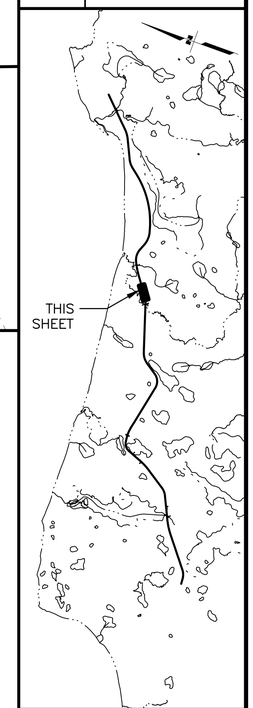
PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
NOT A PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 6
STA. 1247+50 TO
STA. 1256+75

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:20 PM	1" = 50'	CSL	REH	MAC

DRAWING LOCATION
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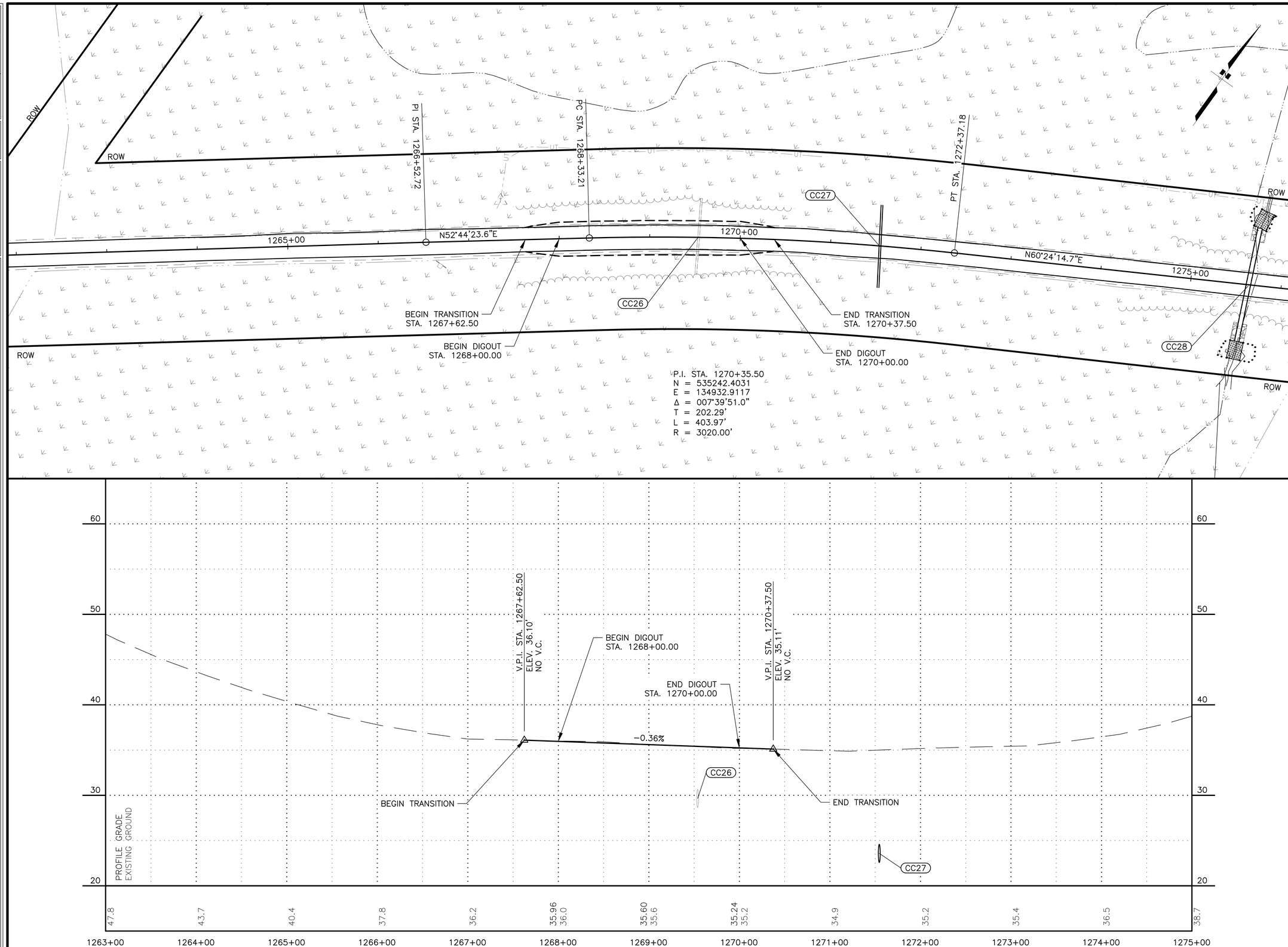
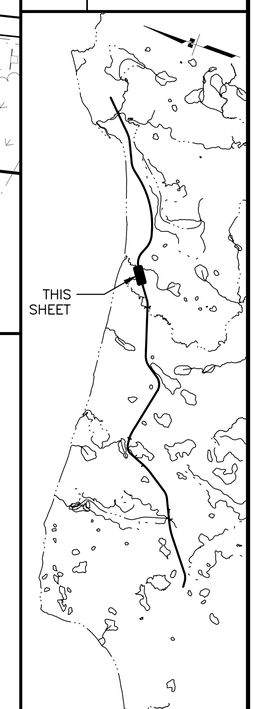


SHEET NO.	TOTAL SHEETS
F18	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

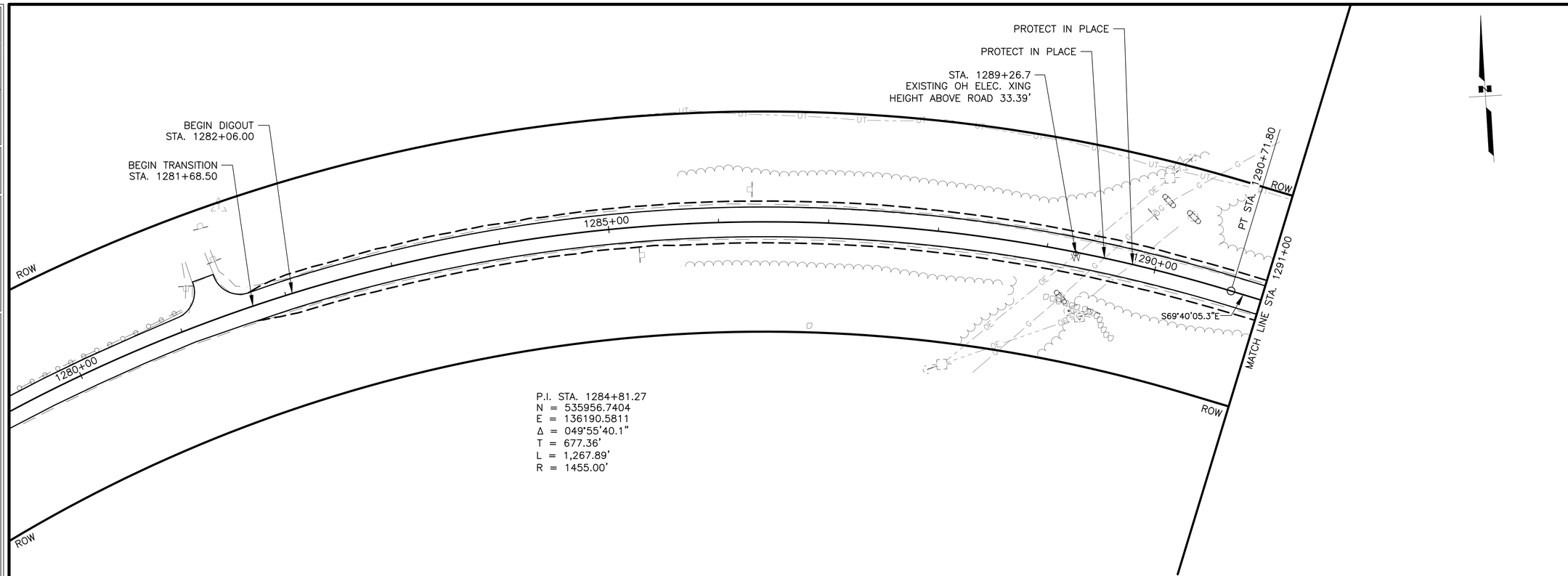
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

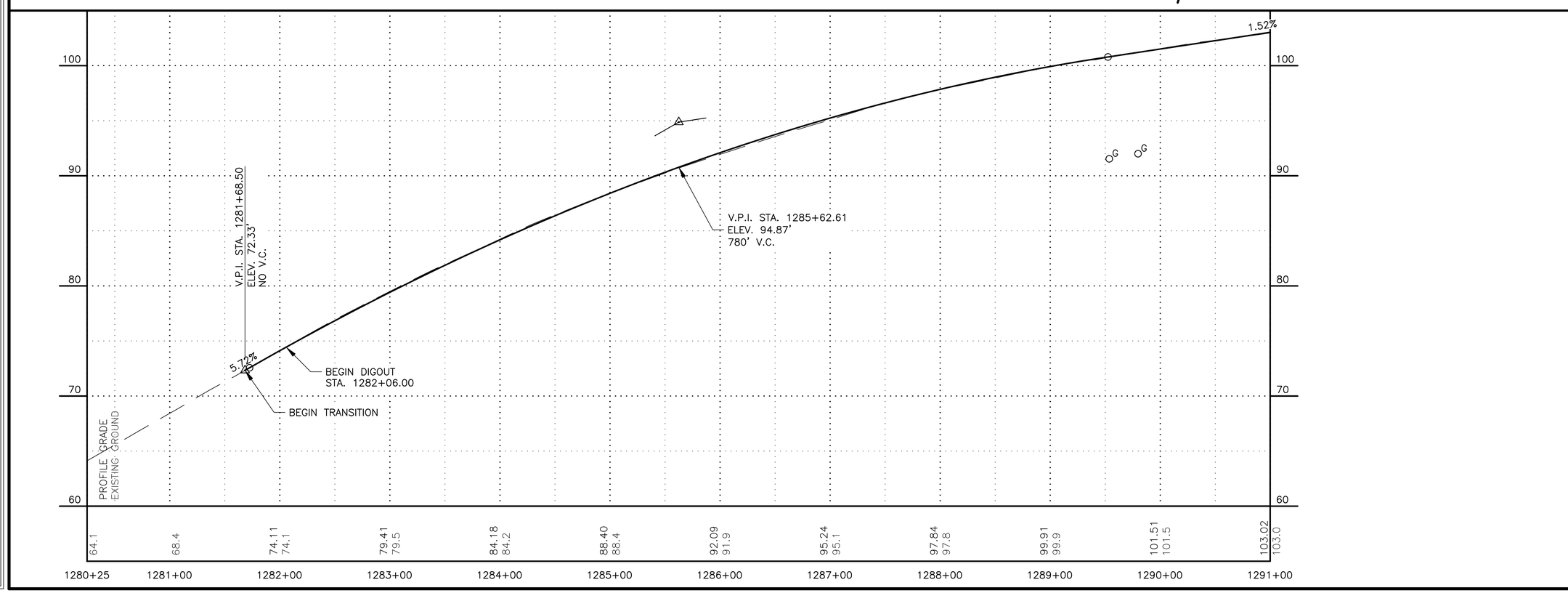
KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 7
STA. 1263+00 TO
STA. 1275+00

DESIGNED BY	CSL
CHECKED BY	RRH
DRAFTED BY	MAC
SCALE	1" = 50'
DATE	6/7/2025
TIME	2:20 PM

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-F-PNP-DO.DWG



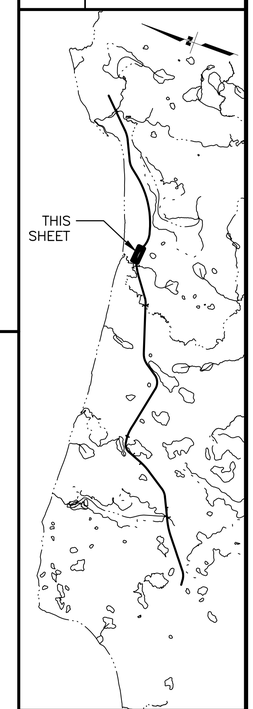


SHEET NO.	TOTAL SHEETS
F19	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



STATE OF ALASKA
PRELIM REVIEW
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 8
STA. 1280+25 TO
STA. 1291+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:21 PM	1" = 50'	CSL	REH	MAC

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-F-PNP-DO.DWG

DATE	TIME
6/7/2025	2:21 PM

SCALE
1" = 50'

DESIGNED BY	CSL
CHECKED BY	REH
DRAFTED BY	MAC

DRAWING LOCATION
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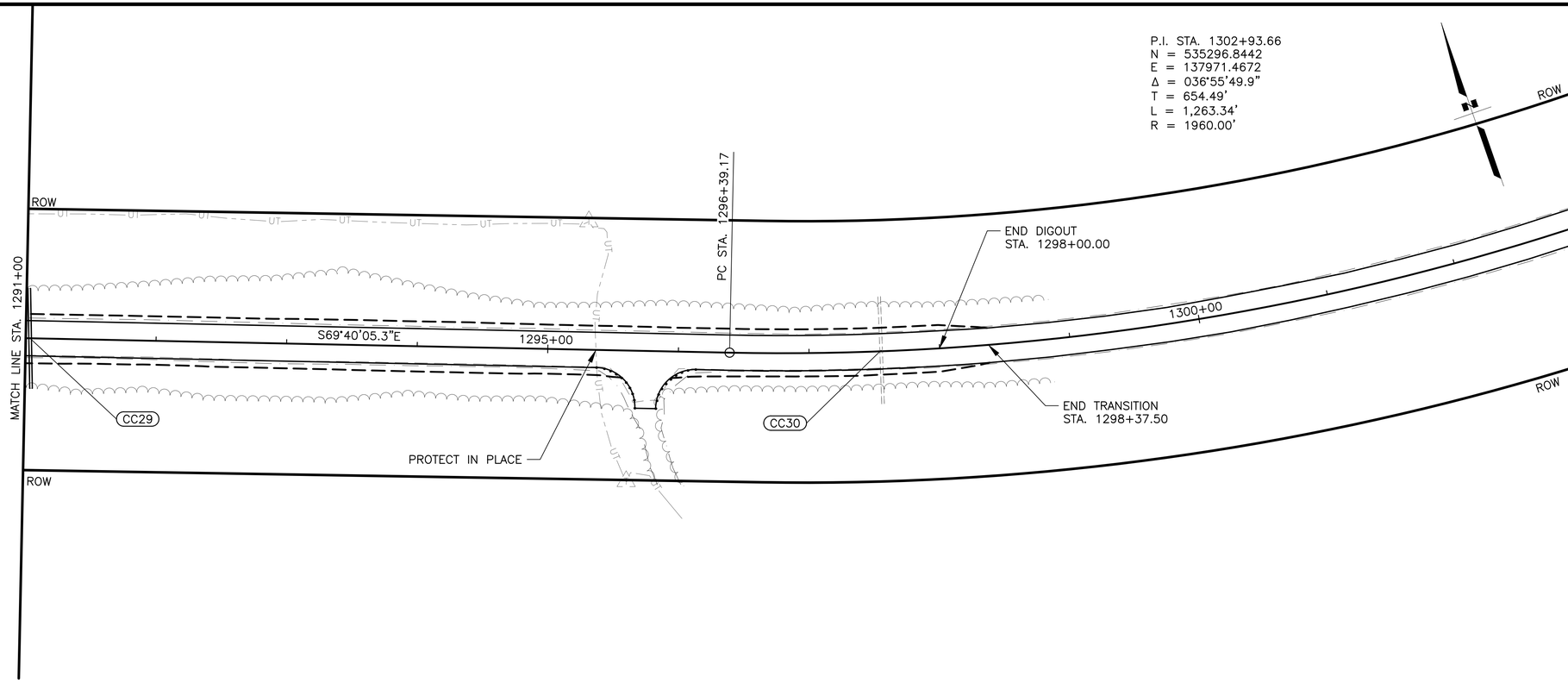
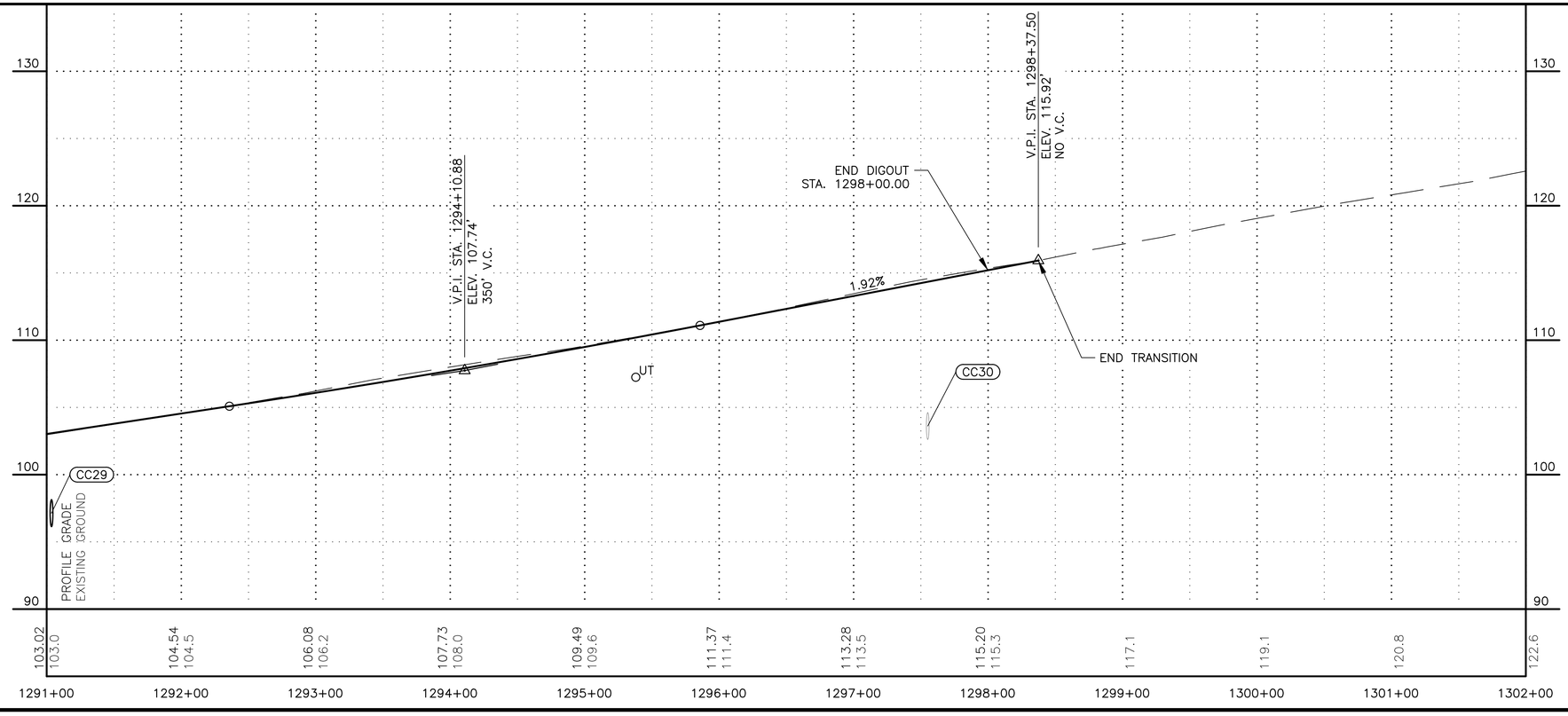
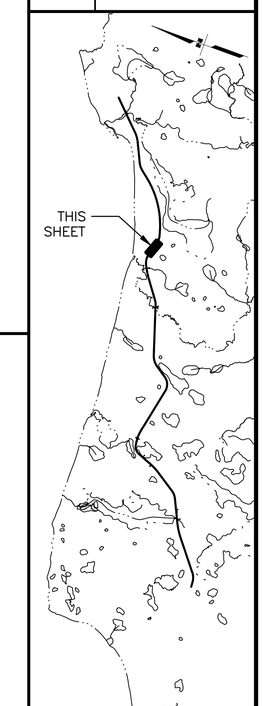
SHEET NO.	TOTAL SHEETS
F20	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 8
STA. 1291+00 TO
STA. 1302+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:21 PM	1" = 50'	CSL	REH	MAC

DRAWING LOCATION
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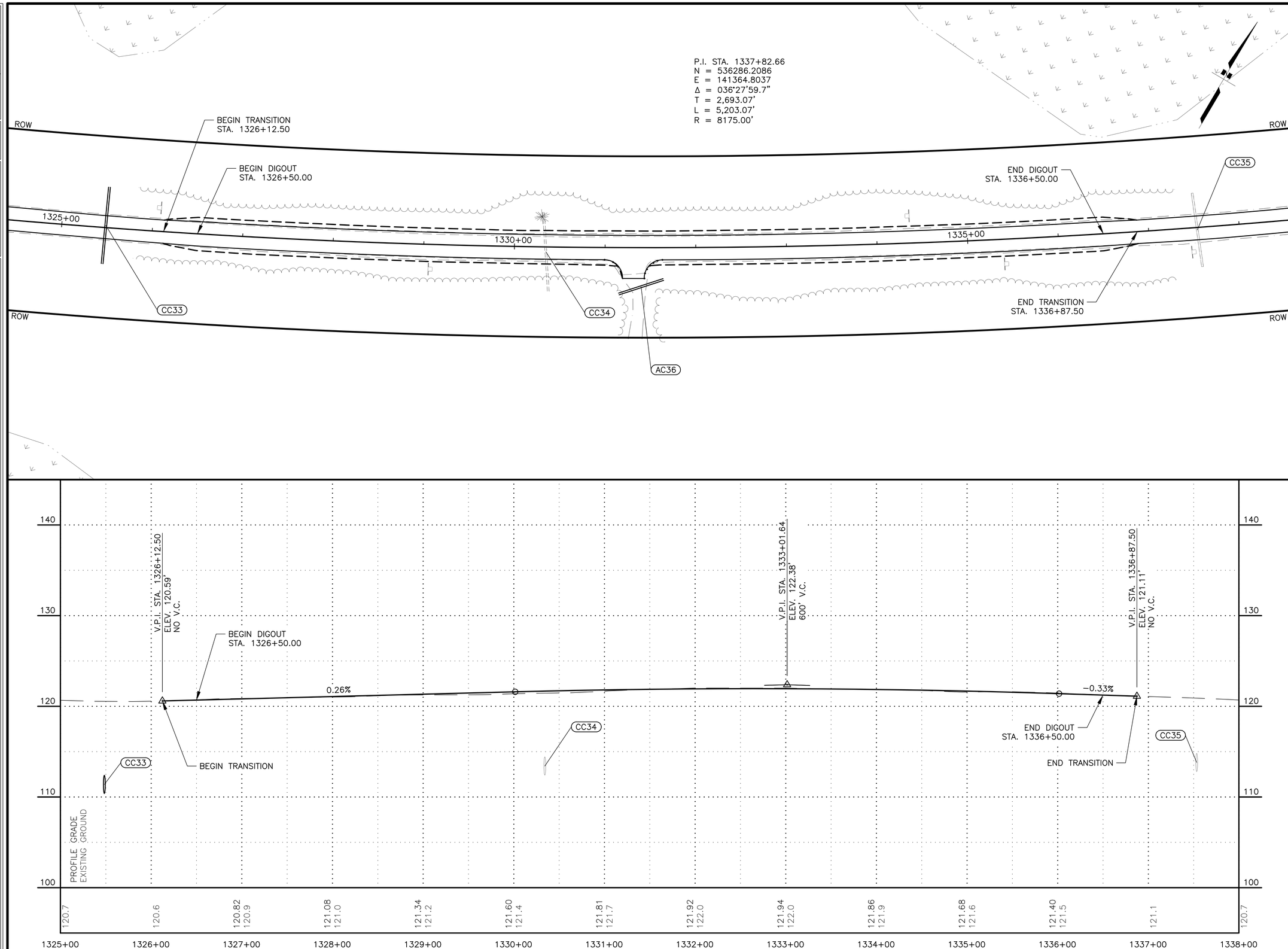
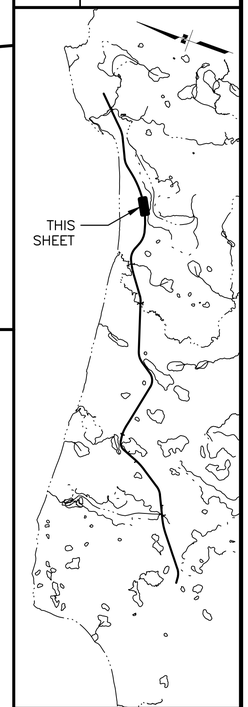


SHEET NO.	TOTAL SHEETS
F21	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

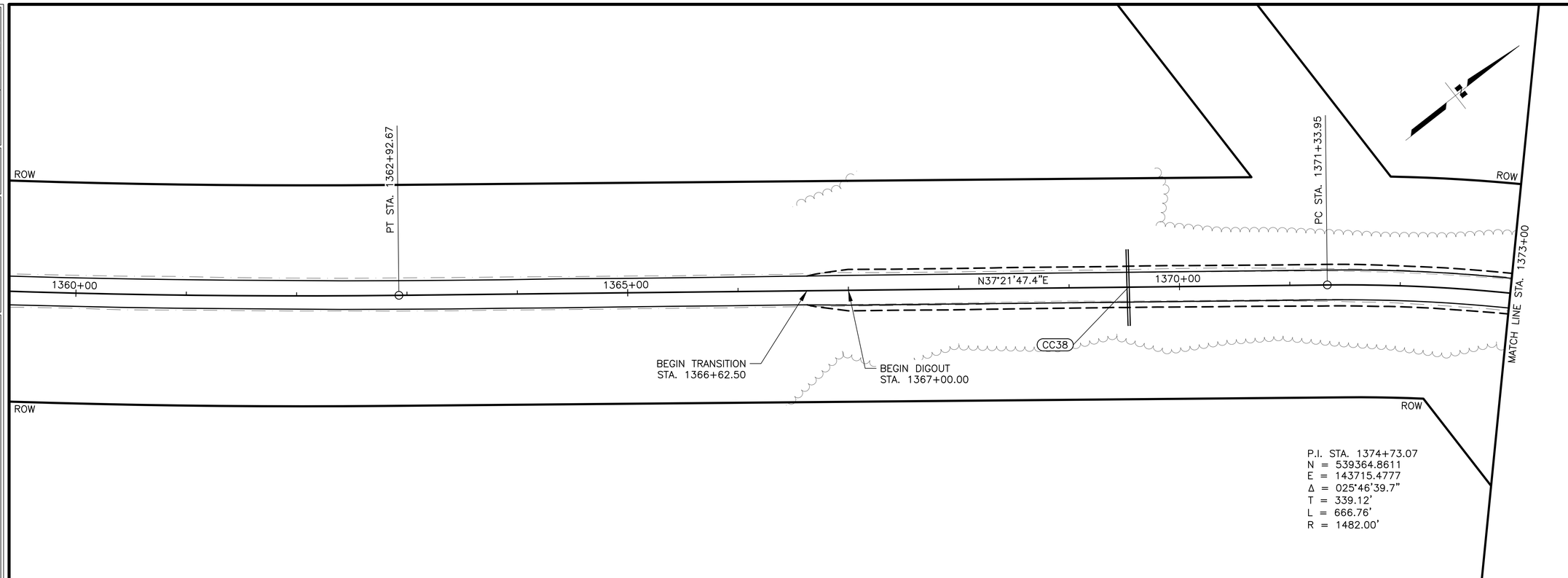
DIGOUT 9
STA. 1325+00 TO
STA. 1338+00

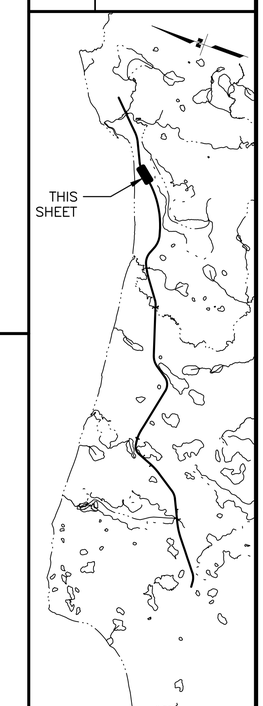
SHEET NO.	TOTAL SHEETS
F22	F24
STATE	YEAR
ALASKA	2025

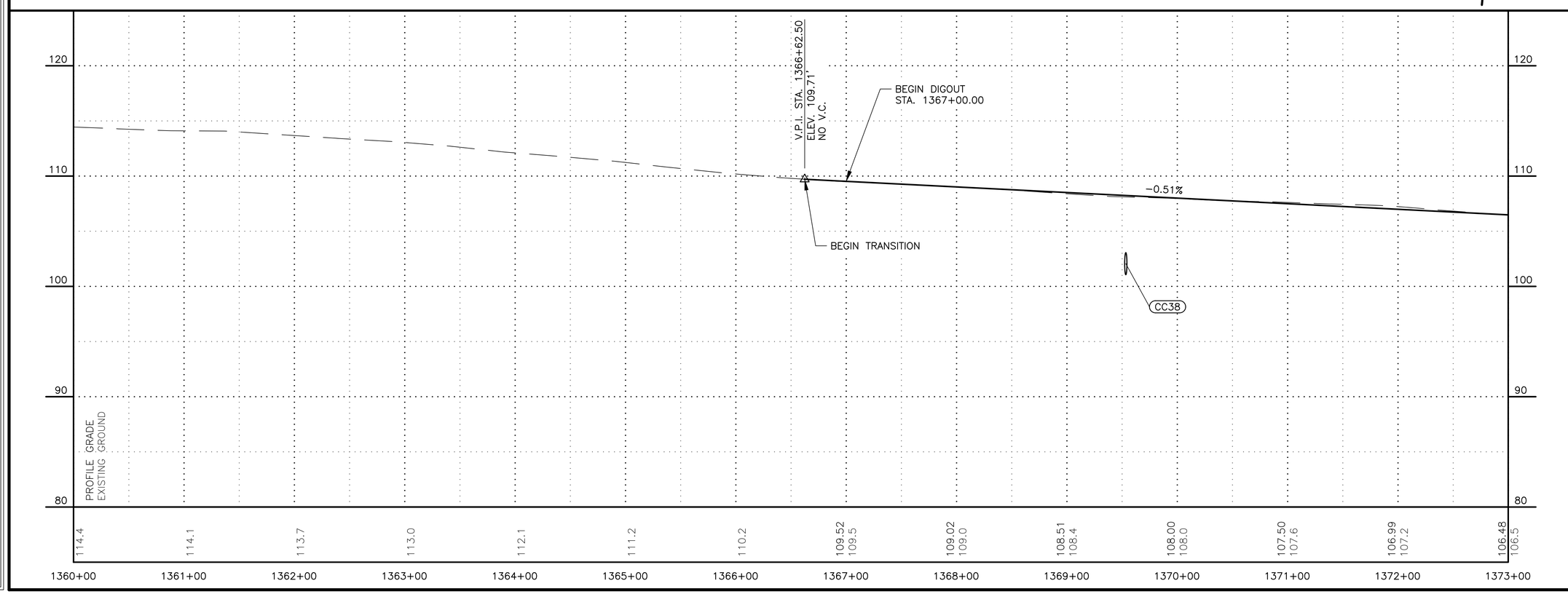
PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 10
STA. 1360+00 TO
STA. 1373+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:21 PM	1" = 50'	CSL	REH	MAC

DRAWING LOCATION
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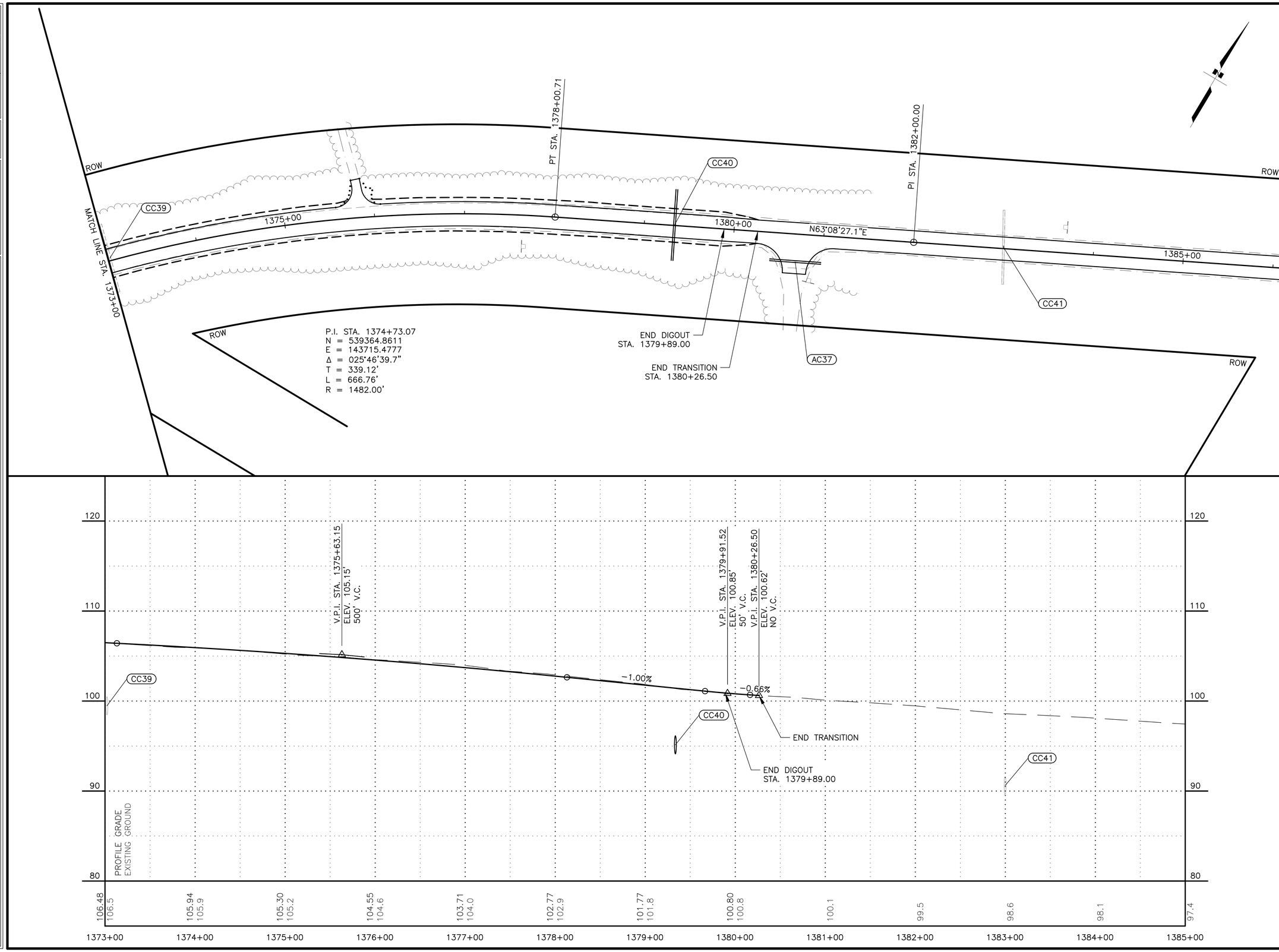
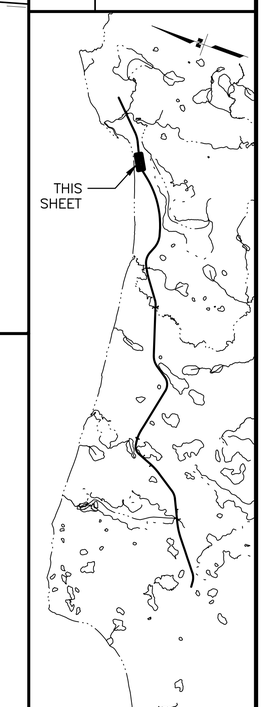


SHEET NO.	TOTAL SHEETS
F23	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

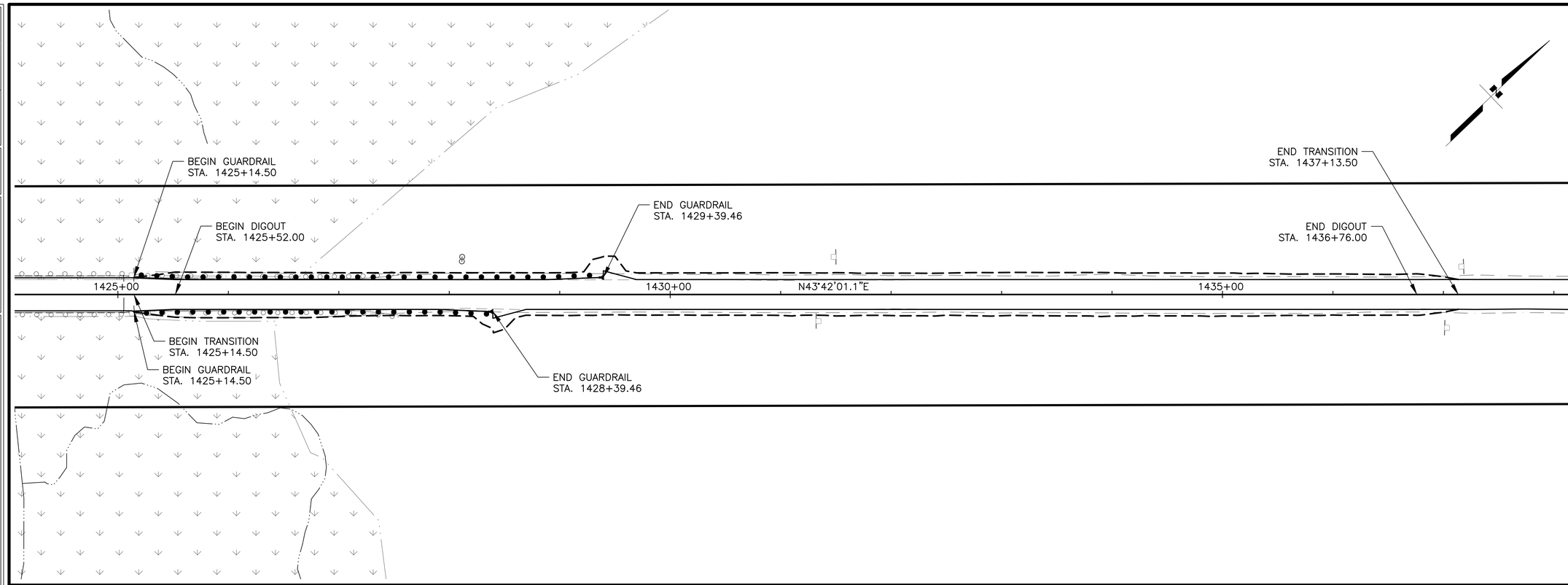
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

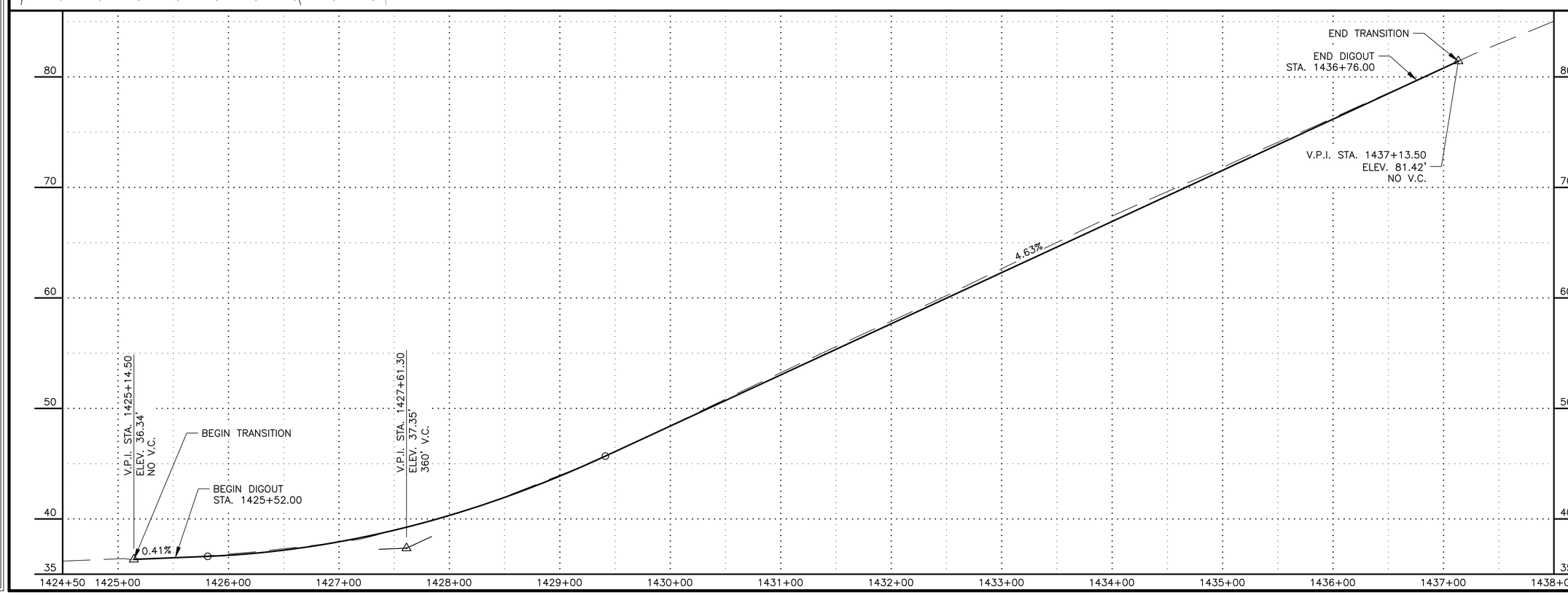
KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 10
STA. 1373+00 TO
STA. 1385+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:21 PM	1" = 100'	CSL	RCH	MAC

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-F-PNP-DO.DWG



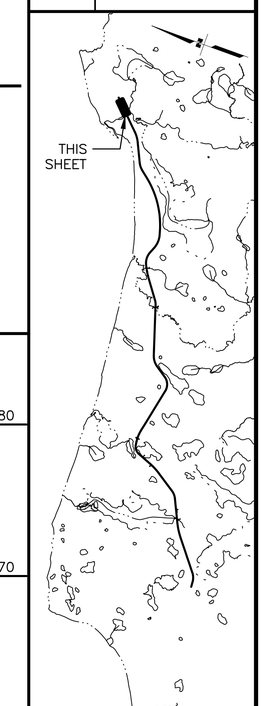


SHEET NO.	TOTAL SHEETS
F24	F24
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



STATE OF ALASKA
PROJECT ENGINEER
PRELIM REVIEW
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DIGOUT 11
STA. 1424+50 TO
STA. 1438+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:21 PM	1" = 50'	CSL	REH	MAC

DRAWING LOCATION
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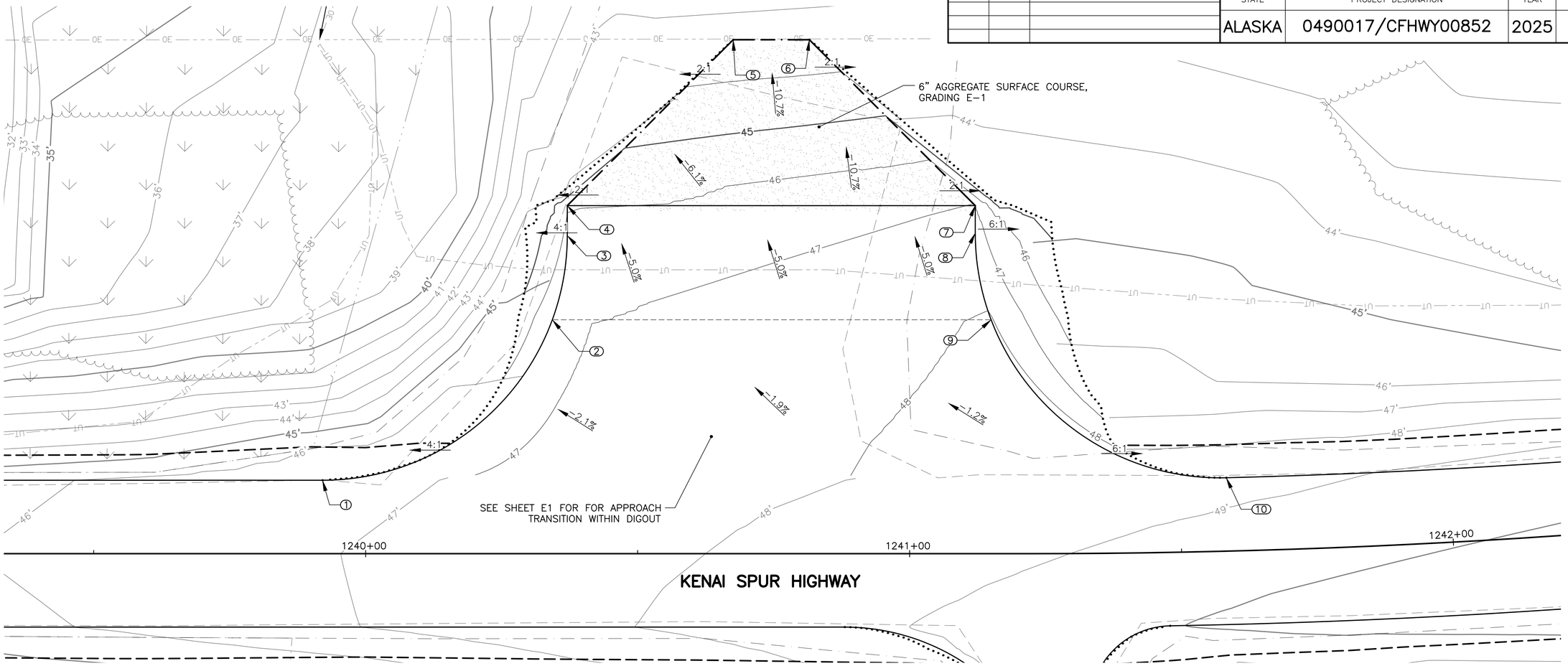
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	G1	G2



APPROACH 1240+75 GRADING PLAN

APPROACH 1240+75 LAYOUT TABLE

POINT	DESCRIPTION	STATION	OFFSET	ELEVATION	LENGTH	RADIUS	RADIUS PT. STATION	RADIUS PT. OFFSET
1	PI	1239+92.07	13.50' LT	MATCH HWY ~46.7				
2	BREAKLINE	1240+34.32	43.00' LT	46.88	70.69'	45.00'	1239+92.07	58.50' LT
3	PT	1240+37.07	58.50' LT	46.18	5.50'	-	-	-
4	PI	1240+37.07	64.00' LT	45.94	43.13'	-	-	-
5	PI	1240+67.57	94.50' LT	MATCH EXISTING ~43.2	14.00'	-	-	-
6	PI	1240+81.57	94.50' LT	MATCH EXISTING ~43.3	43.19'	-	-	-
7	PI	1241+12.16	64.00' LT	47.04	5.06	-	-	-
8	PC	1241+12.07	58.94' LT	47.29	71.83'	45.00'	1241+58.56	58.50' LT
9	BREAKLINE	1241+14.99	43.00' LT	48.07				
10	PI	1241+58.56	13.50' LT	MATCH HWY ~48.7				

STATE OF ALASKA
49TH
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

APPROACH 1240+75
GRADING PLAN

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:22 PM	1" = 10'	CSL	RCH	CSL

DRAWING LOCATION
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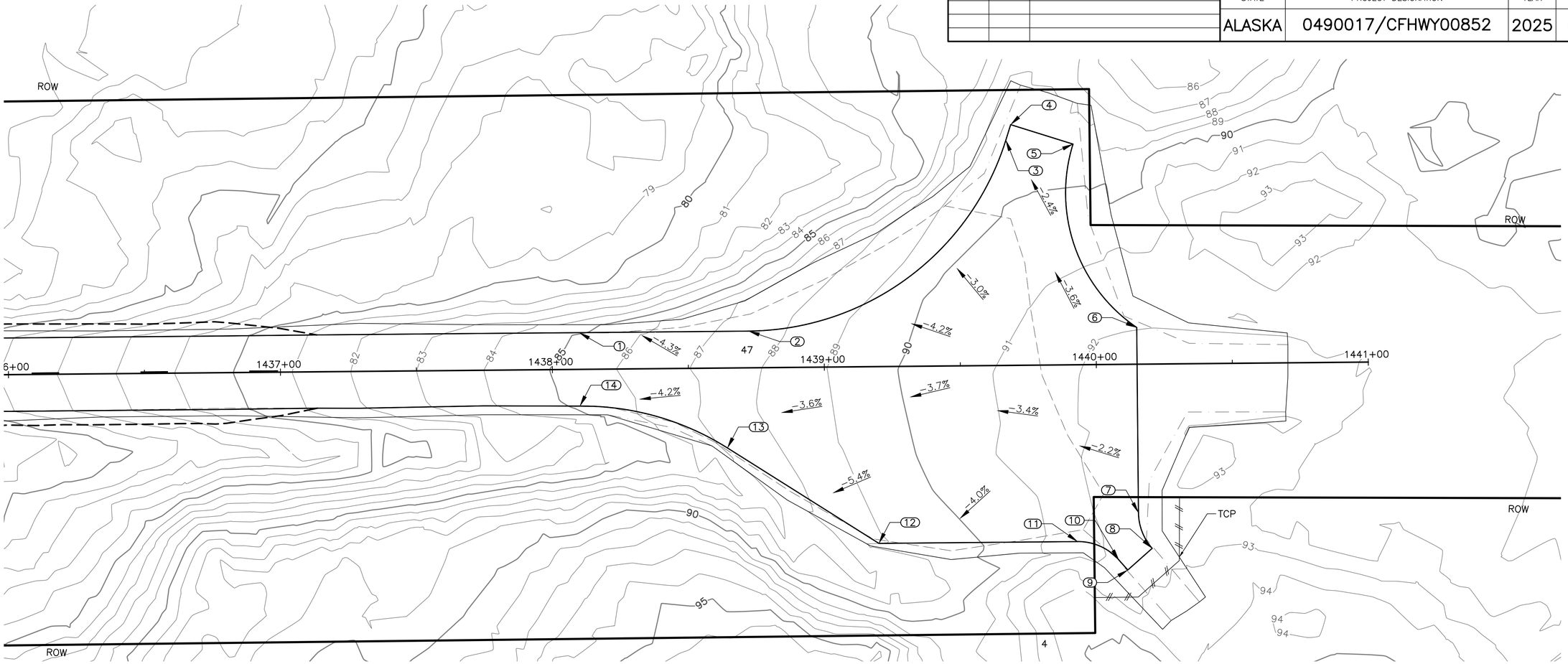
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	G2	G2



1438+10.01 TO 1440+15.00 GRADING PLAN

1438+10.01 TO 1440+15.00 LAYOUT TABLE

POINT	DESCRIPTION	STATION	OFFSET	ELEVATION	LENGTH	RADIUS	RADIUS PT. STATION	RADIUS PT. OFFSET
1	PI	1438+10.01	13.50' LT	84.9				
					62.31'			
2	PC	1438+72.32	13.50' LT	67.4				
					125.89'	100.00'	1438+72.32	113.50' LT
3	PT	1439+67.50	82.82' LT	89.5				
					5.98'			
4	PI	1439+69.34	88.51' LT	89.4				
					24.00'			
5	PI	1439+92.18	81.15' LT	89.4				
					76.46 '	60.00'	1440+49.28	62.74'LT
6	PI	1440+15.00	13.50' LT	92.0				
					68.10'			
7	PC	1440+15.00	54.60' RT	92.4				
					14.34'	20.00'	1440+34.99	54.60' RT
8	PI	1440+19.92	67.74' RT	92.6				
					12.00'			
9	PI	1440+10.87	75.63' RT	92.5				
					5.00'			
10	PC	1440+07.59	71.86' RT	92.2				
					17.08'	20.00'	1439+92.51	85.00' RT
11	PT	1439+92.51	65.00' RT	91.6				
					73.05'			
12	PI	1439+19.81	64.96' RT	89.0				
					65.81'			
13	PC	1438+64.11	29.40' RT	87.1				
					57.16'	100.00'	1438+10.01	113.50' RT
14	PI	1438+10.01	13.50' RT	85.2				

STATE OF ALASKA
49TH
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION
STA. 1438+10.01 TO
STA. 1440+15.00
GRADING PLAN

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:22 PM	1" = 20'	CSL	REH	CLT

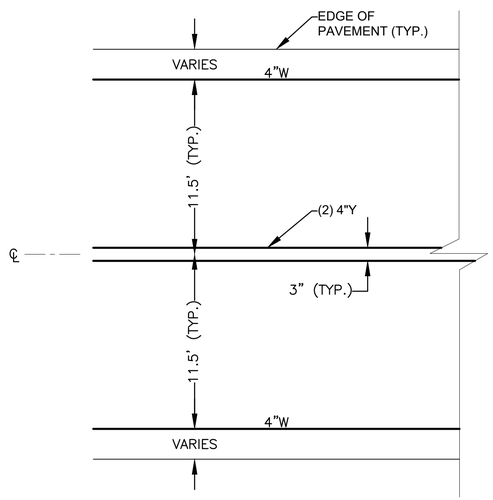
DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-G02-END.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H1	H12

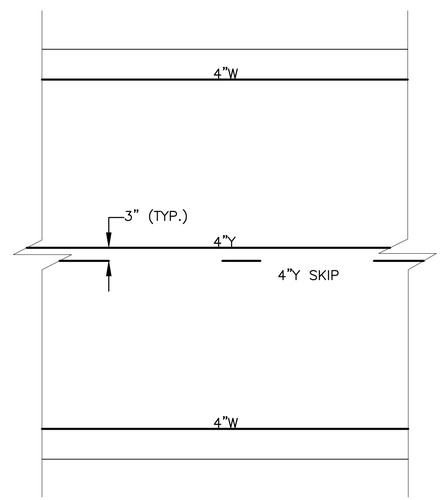
SIGNING & STRIPING NOTES:

1. ALL STATION LOCATIONS FOR SIGN INSTALLATION ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
2. USE THE FOLLOWING DEFINITIONS TO DECIPHER THE ABBREVIATED SIGN POST TYPES IN THE SIGN SUMMARY SHEETS.
   A. PT MEANS A PERFORATED STEEL TUBE.
   B. T MEANS A SQUARE STEEL TUBE.
   C. P MEANS A ROUND STEEL PIPE.
   D. W MEANS A WIDE FLANGE BEAM.
   E. POPL MEANS A POLE PLATE INSTALLED PER ITS ALASKA STANDARD PLAN S–23.
3. FABRICATE ALL SIGNS FROM 0.125" THICK ALUMINUM SHEETING, UNLESS STATED ELSEWHERE.
4. FOR SIGNS SUPPORTED BY MULTIPLE POSTS, FABRICATE THE POSTS WITH THEIR TOPS LEVEL WITH ONE ANOTHER.
5. FOR PERFORATED STEEL TUBE SIGNPOSTS, INSTALL THE CONCRETE FOUNDATION OPTION SHOWN ON ALASKA STANDARD PLAN S–30. TRIM EACH PT POST TO LIMIT THE LENGTH INSERTED INTO THE FOUNDATION TO 12 INCHES.
6. FABRICATE GUIDE SIGNS ACCORDING TO THE SHOP DRAWINGS INCLUDED IN THE APPENDICES OF PART 4, CONTRACT PROVISIONS AND SPECIAL PROVISIONS. TRIM THE CORNERS OF ALL SIGNS TO THE RADIUS SHOWN ON EACH SHOP DRAWING.
7. ERECT NEW SIGNS BEFORE REMOVAL OF EXISTING SIGNS WITH SIMILAR MESSAGE. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BEGINNING SIGN REMOVAL AND SALVAGE OR DISPOSAL ACTIVITIES.
8. FOR SIGNS SUPPORTED BY MULTIPLE TUBES OR PIPES, LOCATE THE OUTER POSTS ON MAXIMUM SIX FEET CENTERS. INSTALL ADJACENT WIDE FLANGE POSTS ON MINIMUM EIGHT FEET CENTERS.
9. SELECTIVE AND HAND CLEARING SHALL BE PERFORMED AT THE DISCRETION OF THE ENGINEER, IN ACCORDANCE WITH SECTION 201, UPSTREAM OF ALL SIGN INSTALLATION LOCATIONS TO ACHIEVE MINIMUM SIGN VISIBILITY REQUIREMENTS. IF NOT INCLUDED AS A SEPARATE ITEM, THIS WORK SHALL BE SUBSIDIARY TO THE SIGN INSTALLATION ITEMS AND WORK.
10. ALL FINAL PAVEMENT MARKINGS SHALL BE SURFACE APPLIED AS SPECIFIED IN SECTION 670 OF THE SPECIFICATIONS.
11. DIMENSIONS REFER TO THE CENTER OF STRIPE AND THE EDGE OF PAVEMENT OR FACE OF CURB WHEN PRESENT.
12. IF THE NEW AND EXISTING PAVEMENT MARKINGS ARE NOT ALIGNED AT MATCH LINE, TRANSITION BETWEEN THE TWO USING A 100:1 TAPER ON THE NEW PAVEMENT.
13. WHERE NEW STRIPING IS TO EXTEND BEYOND PAVING LIMITS, REMOVE EXISTING STRIPING IN ACCORDANCE WITH SUBSECTION 670–3.04 TO THE EXTENT OF STRIPING LIMITS.
14. THE STATIONS LISTED BELOW ARE BASED ON EXISTING CONDITIONS. FINAL LANE STRIPING LAYOUT TO BE DETERMINED IN ACCORDANCE WITH SUBSECTION 670–3.05, PRELIMINARY SPOTTING.



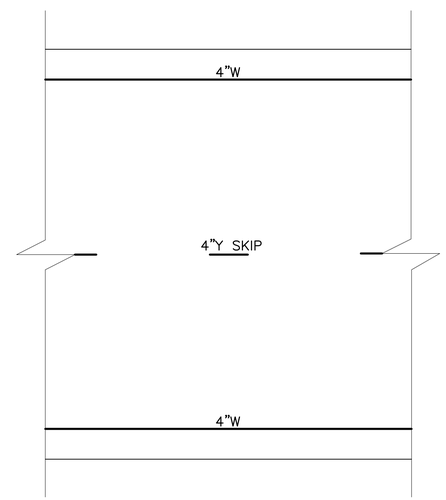
CASE I – LANE STRIPING NO–PASSING ZONE

STA. 962+50.0 TO STA. 973+33.3
STA. 993+86.0 TO STA. 1013+49.2
STA. 1041+43.4 TO STA. 1049+66.0
STA. 1064+77.1 TO STA. 1132+35.3
STA. 1158+04.4 TO STA. 1205+63.8
STA. 1214+57.0 TO STA. 1223+33.8
STA. 1237+86.7 TO STA. 1256+86.1
STA. 1265+19.9 TO STA. 1375+99.9
STA. 1398+12.7 TO STA. 1412+01.9
STA. 1425+23.1 TO STA. 1428+41.2
STA. 1436+99.1 TO STA. 1440+15.0



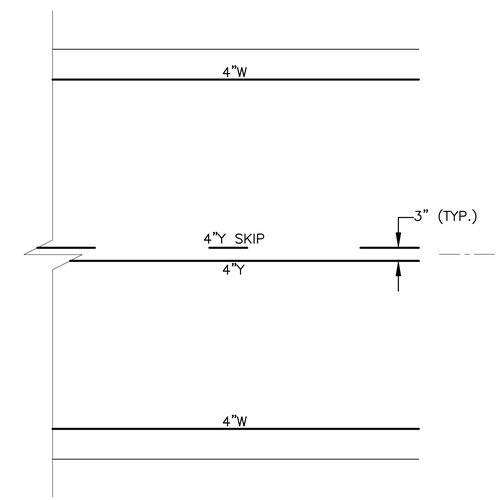
CASE II – LANE STRIPING ONE DIRECTION (RIGHT) PASSING ZONE

STA. 973+33.3 TO STA. 976+05.8
STA. 1013+49.2 TO STA. 1018+04.2
STA. 1049+66.0 TO STA. 1056+38.0
STA. 1132+35.3 TO STA. 1143+99.0
STA. 1205+63.8 TO STA. 1214+57.0
STA. 1223+33.8 TO STA. 1237+86.7
STA. 1256+86.1 TO STA. 1265+19.9
STA. 1375+99.9 TO STA. 1385+33.2
STA. 1412+01.9 TO STA. 1425+23.1



CASE III – LANE STRIPING TWO DIRECTION PASSING ZONE

STA. 976+05.8 TO STA. 984+12.9
STA. 1018+04.2 TO STA. 1034+82.1
STA. 1056+38.0 TO STA. 1059+41.7
STA. 1143+99.0 TO STA. 1150+54.3
STA. 1385+33.2 TO STA. 1391+93.3



CASE IV – LANE STRIPING ONE DIRECTION (LEFT) PASSING ZONE

STA. 984+12.9 TO STA. 993+86.0
STA. 1034+82.1 TO STA. 1041+43.4
STA. 1059+41.7 TO STA. 1064+77.1
STA. 1150+54.3 TO STA. 1158+04.4
STA. 1391+93.3 TO STA. 1398+12.7
STA. 1428+41.2 TO STA. 1436+99.1

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

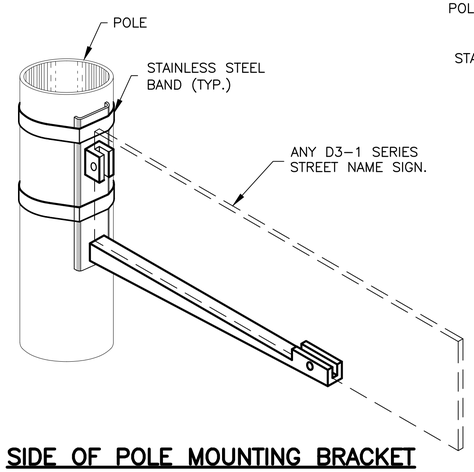
KENAI SPUR HIGHWAY
MP 29–38
PAVEMENT PRESERVATION

SIGNING AND STRIPING NOTES AND DETAILS

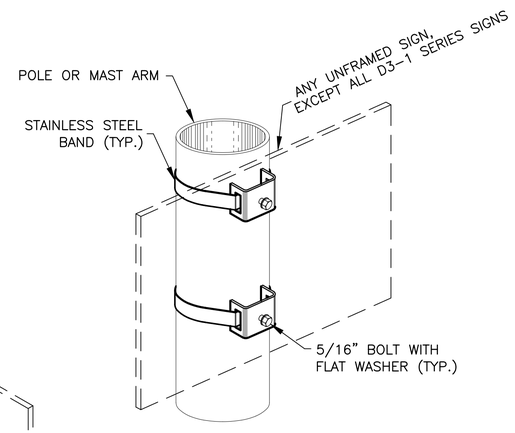
DRAWING LOCATION	DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613–H01–SIGNSUM.DWG	6/7/2025	2:22 PM	N/A	CSL	RCH	TBK

NO.	DATE	REVISION

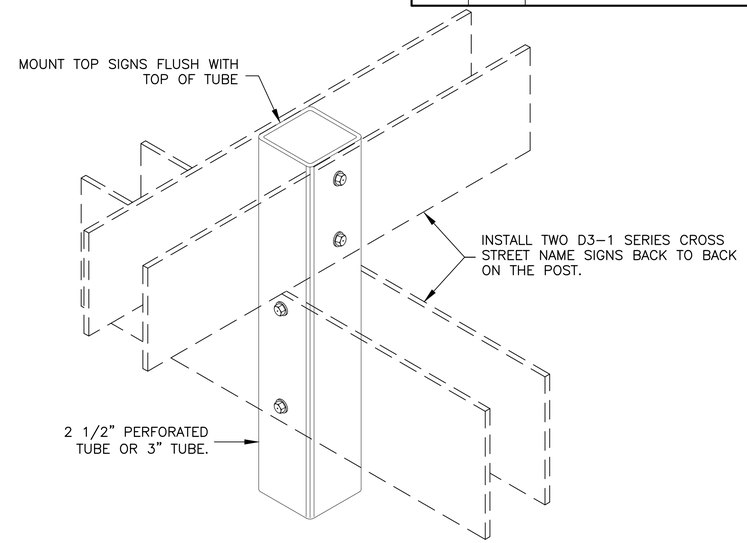
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H2	H12



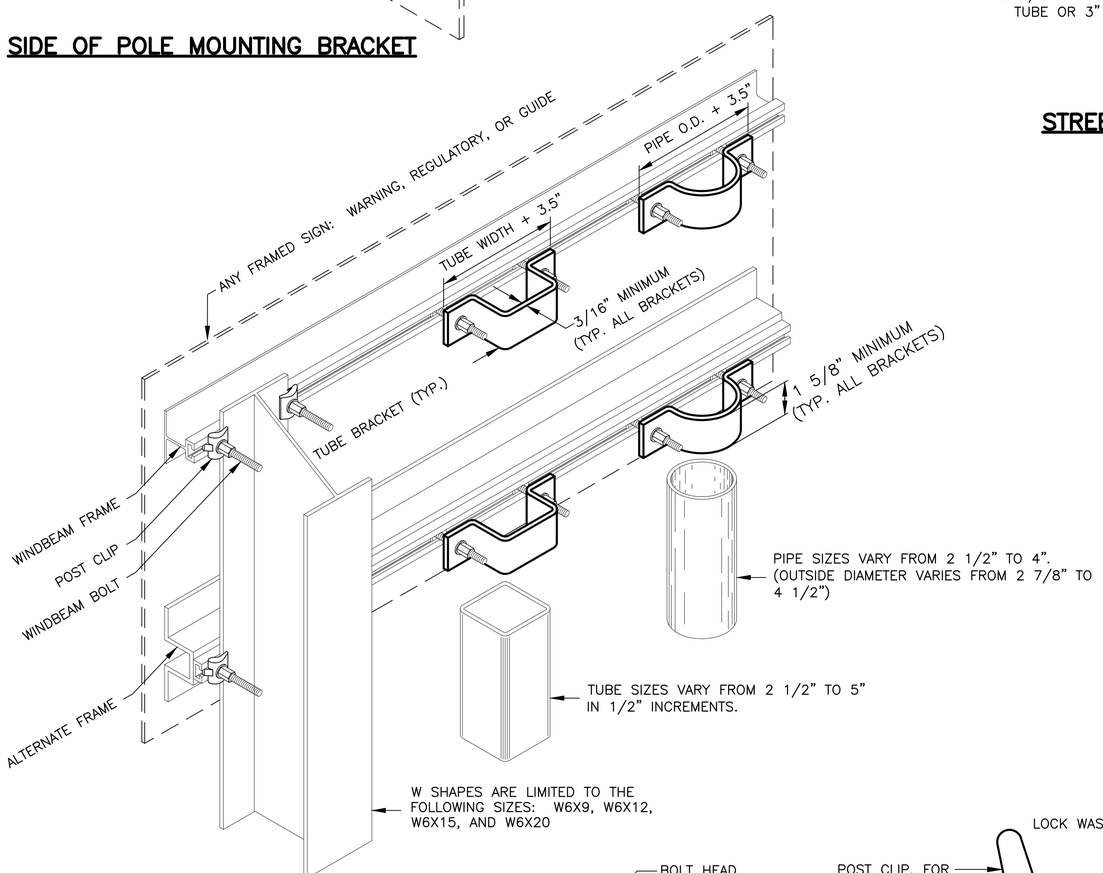
SIDE OF POLE MOUNTING BRACKET



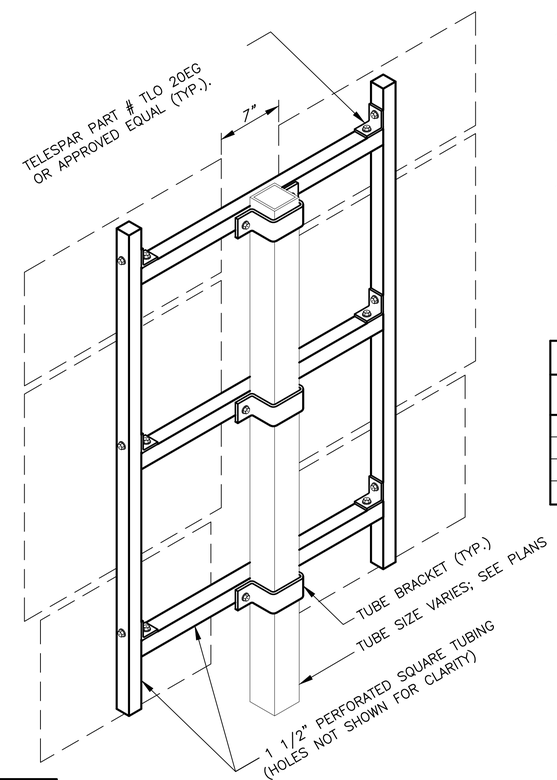
SADDLE BRACKETS



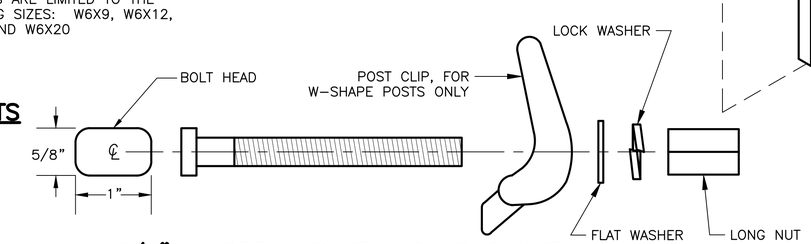
STREET NAME SIGN INSTALLATION



FRAMED SIGN ATTACHMENT BRACKETS



ROUTE MARKER TREE



3/8" WINDBEAM BOLT AND LONG NUT

NOTES:

1. EXCEPT FOR POLES AND MAST ARMS, ONLY USE TUBES TO SUPPORT SIGNS MOUNTED ON ONE POST.
2. ATTACH SIGNS, FRAMED AND UNFRAMED TO THEIR SUPPORTS WITH ZINC PLATED 3/8" BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO PERFORATED TUBES WITH ACCESSORY DRIVE RIVETS AND TO SADDLES WITH 5/16" BOLTS.
3. BOLT UNFRAMED SIGNS DIRECTLY TO TUBES IN TWO LOCATIONS, NEAR TOP AND NEAR BOTTOM OF MATING SURFACE. ATTACH THEM TO POLES AND MAST ARMS WITH TWO SADDLES.
4. ATTACH BRACKETS TO POLES AND MAST ARMS WITH DOUBLE WRAPS OF 3/4" WIDE BY 0.020" THICK STAINLESS STEEL BANDING MATERIAL. TIGHTEN EACH BAND UNTIL IT STOPS MOVING THROUGH THE BUCKLE.
5. ATTACH FRAMED SIGNS TO POSTS WHEREVER THE FRAMES CROSS THE POSTS. AT EACH CROSSING, ATTACH THE SIGN USING TWO POST CLIPS ON W-SHAPE POSTS, A U-SHAPED BRACKET ON PIPES, AND A BRACKET WITH SQUARE CORNERS ON TUBES.
6. THE TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.
7. ONLY USE THE SPECIAL WINDBEAM BOLTS TO ATTACH SIGNS FRAMED WITH THE WINDBEAM FRAMING MATERIAL.
8. ATTACH FRAMED SIGNS TO POLES AND MAST ARMS USING POLE PLATES INSTALLED ACCORDING TO ALASKA STANDARD PLAN S-23.
9. FOR ROUTE MARKER TREES, CUT PERFORATED TUBES TO ENSURE TIGHT FITTING JOINTS. ASSEMBLE THE PIECES WITH ACCESSORY ELL-SHAPED ANGLE BRACKETS.
10. INSTALL THE TOP EDGE OF SIGNS 1" ABOVE THE TOPS OF POSTS, EXCEPT FOR THE D3-1 STREET NAME SIGNS.
11. INSTALL THE TOP EDGE OF SIGNS 3" BELOW THE TOP OF POST, WHENEVER THEY ARE MOUNTED BELOW SIGNS SECURED BY POST TOP MOUNTING BRACKETS.
12. THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
13. INSTALL WEATHER TIGHT CAPS ON ALL PIPE AND TUBE POSTS, EXCEPT PERFORATED TUBING.

FASTENER SPECIFICATION TABLE

FASTENERS	ALUMINUM	STEEL	STAINLESS STEEL
BOLTS	ASTM F468 2024-T4	ASTM A307	ASTM F593
NUTS	ASTM F467 2024-T4	ASTM A563	ASTM F594
WASHERS	ANSI B18.22.1	ASTM F844	ANSI B18.22.1
POST CLIPS	ASTM B179 356-T6	N/A	N/A

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PAVEMENT PRESERVATION

SIGN ATTACHMENT DETAILS

DRAWING LOCATION
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DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
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NO.	DATE	REVISION

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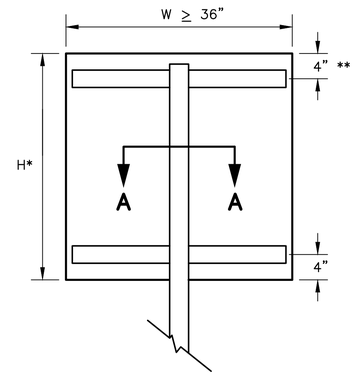
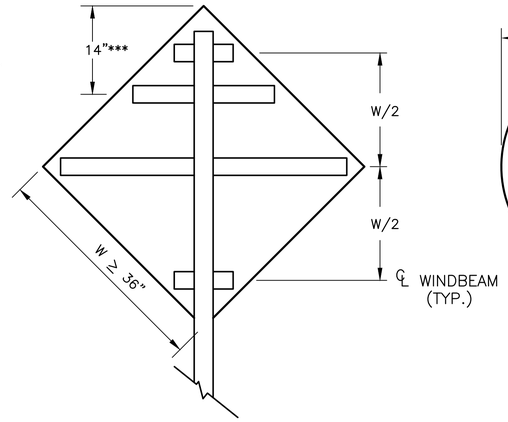
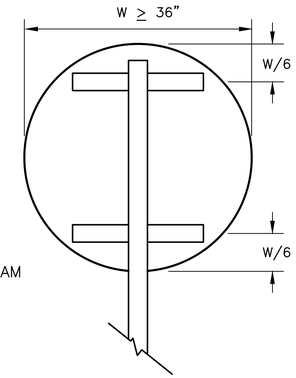
ALASKA	0490017/CFHWY00852	2025	H3	H12

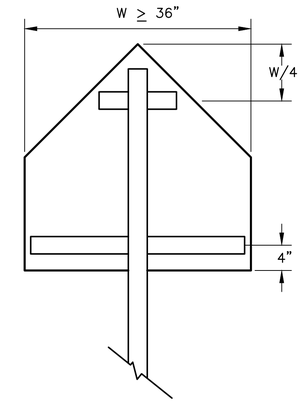


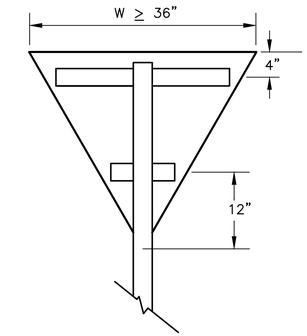
RECTANGLES AND TRAPEZOIDS





ROUNDS AND OCTAGONS





* WHEN H > 42 INCHES, INSTALL A 3RD WINDBEAM CENTERED ON THE SIGN.

** FOR S5-1 SIGNS MOUNTED ON FLASHING BEACON POSTS, USE A 10" OFFSET. OTHERWISE, USE 4".

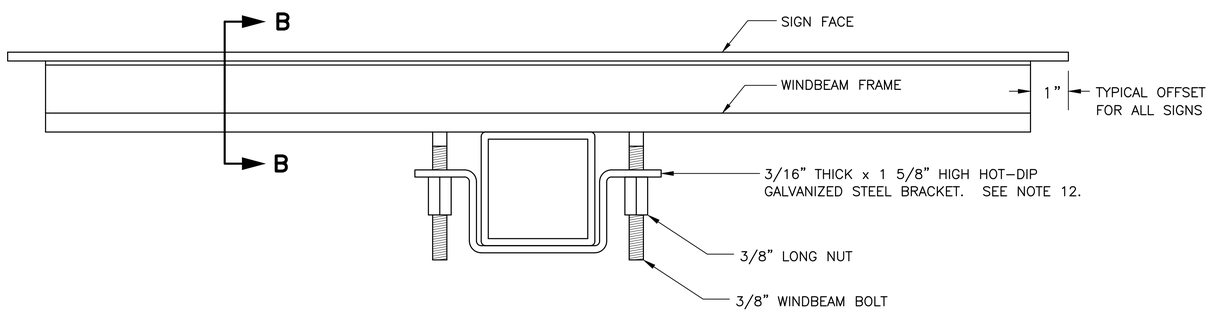
*** FOR WARNING SIGNS MOUNTED ON FLASHING BEACON POSTS, USE THE 14" OFFSET. OTHERWISE, USE W/2.

WINDBEAM LOCATIONS FOR EACH SIGN SHAPE

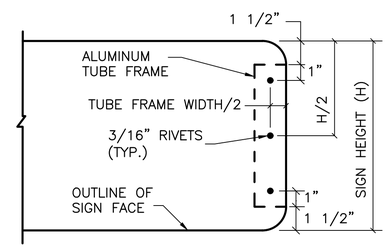
ELEVATION VIEW

NOTES:

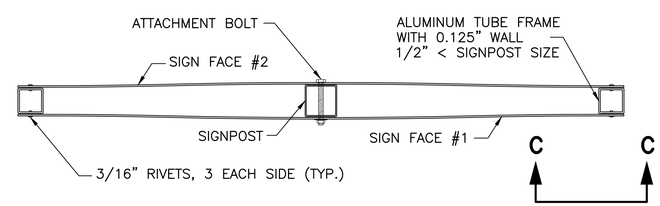
1. EXCEPT FOR POLES AND MAST ARMS, ONLY USE SQUARE STEEL TUBES TO SUPPORT SIGNS MOUNTED ON SINGLE POSTS.
2. INSTALL WINDBEAM OR ZEE SHAPED FRAMING MEMBERS ON DIAMOND SHAPED SIGNS 36 INCHES AND LONGER ON A SIDE AND ON OTHER SIGNS 36 INCHES WIDE AND WIDER.
3. IN HIGH WIND AREAS, THE PLANS MAY REQUIRE SIGNS SMALLER THAN THOSE LISTED IN NOTE 2 BE FRAMED AS SHOWN HERE IN.
4. THIS DRAWING DEPICTS THE WINDBEAM FRAMING AND ATTACHMENT SYSTEM. ATTACH SIGNS FRAMED WITH ZEE SHAPED FRAMING ACCORDING TO REGIONAL DRAWING "SIGN ATTACHMENT DETAILS", USING "U" SHAPED BRACKETS AND TWO BOLTS WITH NUTS.
5. THE ENGINEER MAY APPROVE OTHER FRAMING MEMBERS. SUBMIT DOCUMENTS THAT DETAIL THE FRAME'S CROSS SECTION AND STRENGTH, AND METHOD OF ATTACHING THE FRAME TO A POST.
6. USE FRAMING MEMBERS MADE FROM ALUMINUM ALLOY 6061-T6.
7. EACH FRAMING MEMBER SHALL BE ONE CONTINUOUS PIECE.
8. ATTACH FRAMING MEMBERS TO THE SIGN PANELS WITH RIVETS OR AN ENGINEER APPROVED, DOUBLE SIDED, HIGH STRENGTH, ADHESIVE TAPE.
9. WITH THE ADHESIVE TAPE, INSTALL TWO RIVETS IN BOTH ENDS OF EACH FRAMING MEMBER, AND ATTACH THE FRAMING MEMBERS TO THE SIGN PANELS ACCORDING TO THE TAPE MANUFACTURER'S WRITTEN INSTRUCTIONS, INCLUDING:
   A. THE CLEANING AND HANDLING OF THE SIGN PANELS AND FRAMING MEMBERS.
   B. THE APPLICATION OF THE ADHESIVE TAPE.
10. WHEN RIVETS ARE USED TO ATTACH FRAMING MEMBERS, INSTALL 2 RIVETS IN EACH END AND THE BALANCE ON 8" MAXIMUM CENTERS.
11. USE 3/16" DIAMETER RIVETS CONFORMING TO ALUMINUM ALLOY 6061-T6 FOR COLD DRIVEN RIVETS, OR ALUMINUM ALLOY 6061-T43 FOR HOT DRIVEN RIVETS.
12. THE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.



SECTION A - A TYPICAL SIGN ATTACHMENT DETAILS AT EACH WINDBEAM

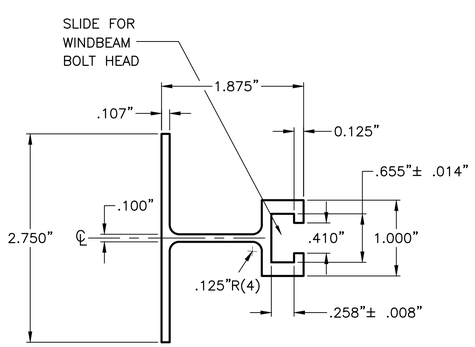


VIEW C - C

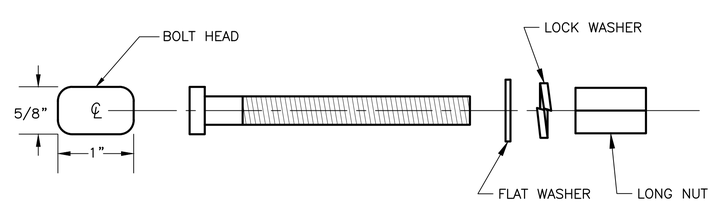


D3-1 STREET NAME SIGN FRAMING DETAIL

PLAN VIEW



SECTION B - B WINDBEAM CROSS SECTION



3/8" WINDBEAM BOLT AND LONG NUT

STATE OF ALASKA
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MP 29-38
PAVEMENT PRESERVATION

LIGHT SIGN FRAMING AND ATTACHMENT DETAILS

DRAWING LOCATION
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DATE 6/7/2025 TIME 2:22 PM
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H4	H12

SIGN SUMMARY

SHEET NO.	SIGN NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SF)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED (YES/NO)	REMARKS
F1	1	968+24.7	RT	R2-1	SPEED LIMIT 55	24	30	5.00	W	1-3"T	NO	BEHIND GUARDRAIL. REFERENCE ALASKA STANDARD PLANS S-32.02.
F1	2	980+41.8	RT	D10-202	MILE 30	14	27	2.63	SW/NE	1-2.5"T	NO	MESSAGE ON BOTH SIDES
F1	3	984+19.1	RT	D3-1	Kenai Spur HWY	48	8	2.67	SE	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	NW		YES	
				D3-1	Goff DR	36	12	3.00	SW		YES	
				D3-1	Goff DR	36	12	3.00	NE		YES	
				R1-1	STOP	30	30	6.25	SE		NO	
F1	4	995+05.5	RT	W2-2R		30	30	6.25	SW	1-3"T	NO	
F1	5	1000+81.4	RT	D3-1	Kenai Spur HWY	48	8	2.67	SE	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	NW		YES	
				D3-1	Neighbors RD	42	12	3.50	SW		YES	
				D3-1	Neighbors RD	42	12	3.50	NE		YES	
				R1-1	STOP	30	30	6.25	SE		NO	

DESIGNED BY	CSL
CHECKED BY	RCH
DRAFTED BY	TBK
SCALE	N/A
DATE	6/7/2025
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STATE OF ALASKA
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KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SIGN SUMMARY

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H5	H12

SIGN SUMMARY (CON'T)

SHEET NO.	SIGN NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SF)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED (YES/NO)	REMARKS
F2	6	1027+62.7	RT	D10-202	MILE 31	14	27	2.63	SW/NE	1-2.5"T	NO	MESSAGE ON BOTH SIDES
F2	7	1042+81.6	RT	D3-1	Kenai Spur HWY	48	8	2.67	SE	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	NW		YES	
				D3-1	Tors CIR	36	12	3.00	SW		YES	
				D3-1	Tors CIR	36	12	3.00	NE		YES	
				R1-1	STOP	30	30	6.25	SE		NO	
F2	8	1050+30.8	RT	D3-1	Kenai Spur HWY	48	8	2.67	SE	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	NW		YES	
				D3-1	Lafayette AVE	42	12	3.50	SW		YES	
				D3-1	Lafayette AVE	42	12	3.50	NE		YES	
				R1-1	STOP	30	30	6.25	SE		NO	
F2	9	1059+68.1	LT	D3-1	Kenai Spur HWY	48	8	2.67	NW	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	SE		YES	
				D3-1	Wanda DR	42	12	3.50	NE		YES	
				D3-1	Wanda DR	42	12	3.50	SW		YES	
				R1-1	STOP	30	30	6.25	NW		NO	

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PAVEMENT PRESERVATION

SIGN SUMMARY

DRAWING LOCATION
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DATE 6/7/2025 TIME 2:22 PM
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H6	H12

SIGN SUMMARY (CON'T)

SHEET NO.	SIGN NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SF)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED (YES/NO)	REMARKS
F3	10	1079+33.2	LT	D3-1	Kenai Spur HWY	48	8	2.67	W	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	E		YES	
				D3-1	Kishka ST	42	12	3.50	N		YES	
				D3-1	Kishka ST	42	12	3.50	S		YES	
				R1-1	STOP	30	30	6.25	W		NO	
F3	11	1081+45.2	RT	D10-202	MILE 3 2	14	27	2.63	S/N	1-2.5"T	NO	MESSAGE ON BOTH SIDES
F3	12	1093+96.3	RT	W1-2R		30	30	6.25	S	1-3"T	NO	
				W13-1P	45 MPH	18	18	2.25	S		NO	
F3	13	1104+03.2	LT	W1-2L		30	30	6.25	E	1-3"T	NO	
				W13-1P	45 MPH	18	18	2.25	E		NO	
F3	14	1107+98.4	RT	D3-1	Kenai Spur HWY	48	8	2.67	S	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	N		YES	
				R1-1	STOP	30	30	6.25	S		NO	
F4	15	1130+55.3	RT	D10-202	MILE 3 3	14	27	2.63	W/E	1-2.5"T	NO	MESSAGE ON BOTH SIDES

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KENAI SPUR HIGHWAY
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PAVEMENT PRESERVATION

SIGN SUMMARY

DRAWING LOCATION
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DATE 6/7/2025 TIME 2:23 PM
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H7	H12

SIGN SUMMARY (CON'T)

SHEET NO.	SIGN NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SF)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED (YES/NO)	REMARKS
F4	16	1142+24.9	LT	D3-1	Kenai Spur HWY	48	8	2.67	N	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	S		YES	
				D3-1	Ral ST	30	12	2.50	E		YES	
				D3-1	Ral ST	30	12	2.50	W		YES	
				R1-1	STOP	30	30	6.25	N		NO	
F5	17	1184+45.3	RT	D10-202	MILE 3 4	14	27	2.63	SW/NE	1-2.5"T	NO	MESSAGE ON BOTH SIDES, BEHIND GUARDRAIL. REFERENCE ALASKA STANDARD PLANS S-32.02.
F5	18	1205+88.0	LT	D3-1	Kenai Spur HWY	48	8	2.67	N	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	S		YES	
				D3-1	Coral ST	36	12	3.00	E		YES	
				D3-1	Coral ST	36	12	3.00	W		YES	
				R1-1	STOP	30	30	6.25	N		NO	
F5	19	1222+04.5	LT	R2-1	SPEED LIMIT 55	24	30	5.00	E	1-3"T	NO	
F6	20	1233+61.3	RT	D10-202	MILE 3 5	14	27	2.63	W/E	1-2.5"T	NO	MESSAGE ON BOTH SIDES
F6	21	1244+88.2	RT	D3-1	Kenai Spur HWY	48	8	2.67	SE	1-3"T	YES	
				D3-1	Kenai Spur HWY	48	8	2.67	NW		YES	
				D3-1	North Woods ST	48	12	4.00	SW		YES	
				D3-1	North Woods ST	48	12	4.00	NE		YES	
				R1-1	STOP	30	30	6.25	SE		NO	

STATE OF ALASKA
749TH
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

MICHAEL BAKER INTERNATIONAL
3900 C STREET
ANCHORAGE, AK 99503
(907) 273-1600

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SIGN SUMMARY

DRAWING LOCATION
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DATE 6/7/2025 TIME 2:23 PM
SCALE N/A
DESIGNED BY CSL
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H8	H12

SIGN SUMMARY (CON'T)

SHEET NO.	SIGN NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SF)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED (YES/NO)	REMARKS
F6	22	1250+88.4	RT	R2-1	SPEED LIMIT 55	24	30	5.00	SW	1-3"T	NO	
F6	23	1261+27.2	LT	D7-102 MOD	Leaving Capt. Cook State Park	138	42	40.25	NE	2-3"T	TES	HIKING TRAIL RS-068, BOTH SIDES SLANTED
F6	24	1261+30.3	RT	D7-102 MOD	Entering Capt. Cook State Park	138	42	40.25	SW	2-3"T	YES	HIKING TRAIL RS-068, BOTH SIDES SLANTED
					DISCHARGE OF FIREARMS PROHIBITED	24	24	4.00	SW		NO	
				RL-040 MOD		24	24	4.00	SW		NO	RED SLASH
				R16-106	$1000 FINE FOR LITTERING	42	42	12.25	SW		YES	
					ALASKA STATE PARKS	25	16.4	2.85	SW		NO	
F6	25	1266+67.6	RT		NO HUNTING WITH FIREARMS	24	30	5.00	SW	1-3"T	NO	
F6	26	1276+17.0	RT		Discovery Campground 3.5 MILES; Bishop Creek	66	36	16.50	SW	1-3"T	YES	TENT CAMPING RM-010 PICNIC AREA RM-120
F6	27	1281+17.2	LT	R1-1	STOP	30	30	6.25	N	1-3"T	NO	
F7	28	1285+28.2	RT	D10-202	MILE 36	14	27	2.63	W/E	1-2.5"T	NO	MESSAGE ON BOTH SIDES
F7	29	1286+28.6	LT		Bishop Creek →	54	24	9.00	E	1-3"T	YES	
F7	30	1310+73.9	RT		Stormy Lake →	54	30	11.25	W	1-3"T	YES	SWIMMING RW-130
F7	31	1312+79.9	RT	R1-1	STOP	30	30	6.25	S	1-3"T	NO	
F7	32	1315+77.9	LT		← Stormy Lake	54	30	11.25	E	1-3"T	YES	SWIMMING RW-130
F7	33	1316+02.7	RT		Stormy Lake Overlook →	48	36	12.00	W	1-3"T	YES	
F7	34	1321+29.3	RT		NO CAMPING NO DUMPING NO VEHICULAR ACCESS	42	36	10.50	NW	1-3"T	YES	SIGN IN PULLOUT

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KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SIGN SUMMARY

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:23 PM	N/A	CSL	RCH	TBK

DRAWING LOCATION
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H9	H12

SIGN SUMMARY (CON'T)

SHEET NO.	SIGN NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SF)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED (YES/NO)	REMARKS
F7	35	1326+06.4	LT		Stormy Lake Overlook ←	48	36	12.00	NE	1-3"T	YES	
F7	36	1329+07.7	RT		Stormy Lake →	54	30	11.25	SW	1-3"T	YES	PICNIC SHELTER RM-130
F7	37	1334+34.1	LT		Stormy Lake ←	54	30	11.25	NE	1-3"T	YES	PICNIC SHELTER RM-130
F7	38	1335+41.8	RT	D14-100	ADOPT A HIGHWAY	30	24	5.00	SW	1-3"T	NO	
					FAMILY AND FRIENDS OF CLINT STARNES	30	12	2.50	SW		NO	
F8	39	1337+48.3	RT	D10-202	MILE 37	14	27	2.63	SW/NE	1-2.5"T	NO	MESSAGE ON BOTH SIDES
F8	40	1341+78.0	RT	R1-1	STOP	30	30	6.25	SE	1-3"T	NO	
				R5-1	DO NOT ENTER	30	30	6.25	NW		NO	
F8	41	1377+66.9	RT		Stormy Lake →	54	30	11.25	SW	1-3"T	YES	LAUNCH RAMP RW-080
F8	42	1380+86.5	RT	R1-1	STOP	30	30	6.25	SE	1-3"T	NO	
F8	43	1383+67.3	LT		Stormy Lake ←	54	30	11.25	NE	1-3"T	YES	LAUNCH RAMP RW-080
F8	44	1389+66.7	RT	D10-202	MILE 38	14	27	2.63	SW/NE	1-2.5"T	NO	MESSAGE ON BOTH SIDES
F9	45	1416+61.0	RT	W11-2		30	30	6.25	SW	1-3"T	NO	
				W13-1P	35 MPH	18	18	2.25	SW		NO	
F9	46	1417+61.3	LT	R2-1	SPEED LIMIT 55	24	30	5.00	NE	1-3"T	NO	
F9	47	1418+58.4	RT	I-3	Clint Starnes Memorial Bridge	72	30	15.00	SW	2-3"T	YES	
F9	48	1419+54.6	RT		Swanson River →	60	30	12.50	SW	1-3"T	YES	CANOEING RW-030
F9	49	1421+16.3	RT	R1-1	STOP	30	30	6.25	SE	1-3"T	NO	

STATE OF ALASKA
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STATE OF ALASKA
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MP 29-38
PAVEMENT PRESERVATION

SIGN SUMMARY

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H10	H12

SIGN SUMMARY (CON'T)

SHEET NO.	SIGN NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SF)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED (YES/NO)	REMARKS
F9	50	1422+20.0	LT		Swanson River	60	30	12.50	NE	1-3"T	YES	CANOEING RW-030, BEHIND GUARDRAIL. REFERENCE ALASKA STANDARD PLANS S-32.02.
F9	51	1422+88.2	RT	I-3	Swanson River	36	18	4.50	SW	1-3"T	YES	
				R8-1 MOD	NO PARKING ON BRIDGE	18	24	3.00	SW		NO	"BRIDGE" INSTEAD OF "PAVEMENT", SMALLER DIMENSIONS
				RA-80 MOD	R	24	24	4.00	NE		NO	RED SLASH
F9	52	1425+12.5	LT	I-3	Swanson River	36	18	4.50	NE	1-3"T	YES	
				R8-1 MOD	NO PARKING ON BRIDGE	18	24	3.00	NE		NO	"BRIDGE" INSTEAD OF "PAVEMENT", SMALLER DIMENSIONS
				RA-80 MOD	R	24	24	4.00	SW		NO	RED SLASH
F9	53	1428+11.4	LT	I-3	Clint Starnes Memorial Bridge	72	30	15.00	NE	2-3"T	YES	
F9	54	1431+34.2	RT	W14-101	END ROAD 1000 FT	36	36	9.00	SW	1-3"T	YES	
F9	55	1431+47.9	LT	W11-2		30	30	6.25	NE	1-3"T	NO	
				W13-1P	35 MPH	18	18	2.25	NE		NO	
F9	56	1437+03.2	RT		Discovery Campground / Discovery Picnic Area	60	36	15.00	SW	1-3"T	YES	TENT CAMPING RM-010 PICNIC AREA RM-120
F9	57	1437+16.2	LT	D14-100	ADOPT A HIGHWAY	30	24	5.00	NE	1-3"T	NO	
					FAMILY AND FRIENDS OF CLINT STARNES	30	12	2.50	NE		NO	
F9	58	1440+41.5	RT	W14-100	END	30	30	6.25	SW	1-3"T	NO	
				OM4-1		18	18	2.25	SW		NO	
							TOTAL:	657.81				
							PAY ITEM QUANTITY:	657.81				

STATE OF ALASKA
49TH
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SIGN SUMMARY

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:23 PM	N/A	CSL	RCH	TBK

DRAWING LOCATION
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H11	H12

SALVAGE SIGN SUMMARY

SHEET NO.	STATION	OFFSET	LEGEND	REMARKS
F1	966+25.7	LT	SIGN POST; NO SIGN	NO SIGN, REMOVE POST
F1	968+24.7	RT	SPEED LIMIT 55	
F1	975+62.3	LT	LEGAL LIMIT 100% NO OVERLOADS	NOT IN SURVEY
F1	980+41.8	RT	MILEPOST 30	MESSAGE ON BOTH SIDES
F1	984+19.1	RT	GOFF DR	2 SIGNS BACK TO BACK
			STOP SIGN	
F1	995+05.5	RT	SIDE ROAD RIGHT	
			CAUTION BUMP	
F1	1000+81.4	RT	NEIGHBORS RD	2 SIGNS BACK TO BACK
			STOP SIGN	
F1	1002+19.5	LT	CAUTION BUMP	
F2	1027+62.7	RT	MILEPOST 31	MESSAGE ON BOTH SIDES
F2	1042+81.6	RT	TORS CIR	2 SIGNS BACK TO BACK
			STOP SIGN	
F2	1050+30.8	RT	LAFAYETTE AVE	2 SIGNS BACK TO BACK
			STOP SIGN	
F2	1059+68.1	LT	WANDA DR	2 SIGNS BACK TO BACK
			STOP SIGN	
F3	1079+33.2	LT	KISHKA ST	2 SIGNS BACK TO BACK
			STOP SIGN	
F3	1081+45.2	RT	MILEPOST 32	MESSAGE ON BOTH SIDES
F3	1093+96.3	RT	RIGHT CURVE AHEAD	
			CAUTION 45 MPH	
F3	1099+66.3	LT	SIGN POST; NO SIGN	NO SIGN, REMOVE POST
F3	1104+03.2	LT	LEFT CURVE AHEAD	
			CAUTION 45 MPH	
F3	1107+98.4	RT	TWIN LAKE DR	2 SIGNS BACK TO BACK
			STOP SIGN	
F4	1130+55.3	RT	MILEPOST 33	MESSAGE ON BOTH SIDES
F4	1142+24.9	LT	RAL ST	2 SIGNS BACK TO BACK
			STOP SIGN	
F5	1184+45.3	RT	MILEPOST 34	MESSAGE ON BOTH SIDES
F5	1205+88.0	LT	CORAL ST	2 SIGNS BACK TO BACK
			STOP SIGN	
F5	1222+04.5	LT	SPEED LIMIT 55	
F6	1229+38.4	RT	CAUTION BUMP	
F6	1233+61.3	RT	MILEPOST 35	MESSAGE ON BOTH SIDES
F6	1244+88.2	RT	NORTH WOODS ST	2 SIGNS BACK TO BACK
			STOP SIGN	
F6	1250+88.4	RT	SPEED LIMIT 55	
F6	1261+27.2	LT	LEAVING CAPT. COOK STATE PARK	TWO POSTS, HIKING TRAIL RS-068
F6	1261+30.3	RT	ENTERING CAPT. COOK STATE PARK	TWO POSTS, HIKING TRAIL RS-068
			DISCHARGE OF FIREARMS PRHIBITED	
			NO SHOOTING SIGN	RED SLASH
			ALASKA STATE PARKS SIGN	EAGLE FLYING
F6	1266+67.6	RT	NO HUNTING WITH FIREARMS	
F6	1276+17.0	RT	DISCOVERY CAMPGROUND AHEAD 3.5 MILES BISHOP CREEK LEFT	TENT CAMPING RM-010 PICNIC AREA RM-120
F6	1281+17.2	LT	STOP SIGN	
F7	1285+28.2	RT	MILEPOST 36	MESSAGE ON BOTH SIDES
F7	1286+28.6	LT	BISHOP CREEK RIGHT	

STATE OF ALASKA
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SALVAGE SIGN SUMMARY

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DATE 6/7/2025 TIME 2:23 PM
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	H12	H12

SALVAGE SIGN SUMMARY (CON'T)

SHEET NO.	STATION	OFFSET	LEGEND	REMARKS
F7	1310+73.9	RT	STORMY LAKE RIGHT	SWIMMING RW-130
F7	1312+79.9	RT	STOP SIGN	
F7	1315+77.9	LT	STORMY LAKE LEFT	SWIMMING RW-130
F7	1316+02.7	RT	STORMY LAKE OVERLOOK RIGHT	
F7	1321+29.3	RT	NO CAMPING/NO DUMPING/NO VEHICULAR ACCESS	SIGN IN PULLOUT, MORE TEXT
F7	1326+06.4	LT	STORMY LAKE OVERLOOK LEFT	
F7	1329+07.7	RT	STORMY LAKE RIGHT	PICNIC SHELTER RM-130
F7	1334+34.1	LT	STORMY LAKE LEFT	PICNIC SHELTER RM-130
F7	1335+41.8	RT	ADOPT A HIGHWAY	
			FAMILY AND FRIENDS OF CLINT STARNES	
F8	1337+48.3	RT	MILEPOST 37	MESSAGE ON BOTH SIDES
F8	1341+78.0	RT	STOP SIGN	
			DO NOT ENTER	
F8	1377+66.9	RT	STORMY LAKE RIGHT	LAUNCH RAMP RW-080
F8	1380+86.5	RT	STOP SIGN	
F8	1383+67.3	LT	STORMY LAKE LEFT	LAUNCH RAMP RW-080
F8	1389+66.7	RT	MILEPOST 38	MESSAGE ON BOTH SIDES
F9	1416+61.0	RT	CAUTION PEDESTRIANS SIGN	
			CAUTION 35 MPH	
F9	1417+61.3	LT	SPEED LIMIT 55	
F9	1418+58.4	RT	CLINT STARNES MEMORIAL BRIDGE	
F9	1419+54.6	RT	SWANSON RIVER RIGHT	CANOEING RW-030
F9	1421+16.3	RT	STOP SIGN	
F9	1422+20.0	LT	SWANSON RIVER LEFT	CANOEING RW-030
F9	1422+88.0	LT	YELLOW CHEVRON SIGN L	
F9	1422+88.2	RT	NO PARKING ON BRIDGE	
			YELLOW CHEVRON SIGN R	
			NO PARKING SIGN	RED SLASH
F9	1425+12.5	LT	SWANSON RIVER	
			NO PARKING ON BRIDGE	
			YELLOW CHEVRON SIGN R	
			NO PARKING SIGN	RED SLASH
F9	1425+12.8	RT	YELLOW CHEVRON SIGN L	
F9	1428+11.4	LT	CLINT STARNES MEMORIAL BRIDGE	
F9	1431+34.2	RT	END ROAD 1000 FT	
F9	1431+47.9	LT	CAUTION PEDESTRIANS SIGN	
			CAUTION 35 MPH	
F9	1437+03.2	RT	DISCOVERY CAMPGROUND LEFT DISCOVERY PICNIC AREA LEFT	TENT CAMPING RM-010 PICNIC AREA RM-120
F9	1437+16.2	LT	ADOPT A HIGHWAY	
			FAMILY AND FRIENDS OF CLINT STARNES	
F9	1440+41.5	RT	END	
F9	1440+42.1	RT	RED REFLECTIVE SIGN	

STATE OF ALASKA
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STATE OF ALASKA
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KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

SALVAGE SIGN SUMMARY

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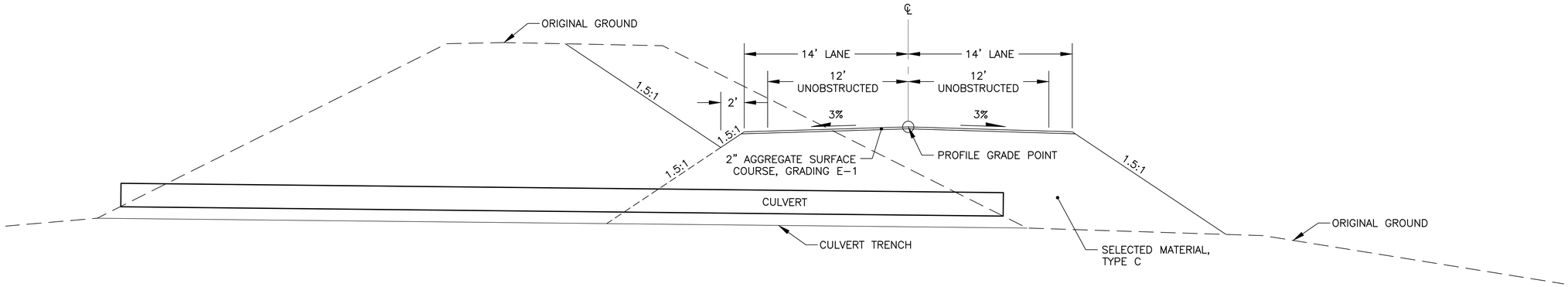
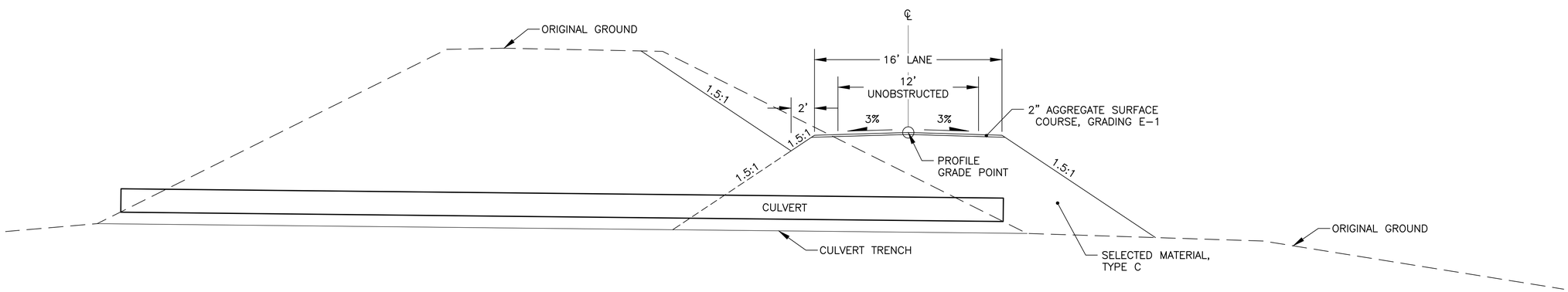
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0490017/CFHWY00852	2025	J1	J12



TWO-WAY DETOUR TYPICAL

"D_CC03_LT"	STA.	4+37.50	TO	STA.	11+91.12
"D_CC03_RT"	STA.	14+37.50	TO	STA.	21+79.27
"D_CC05_LT"	STA.	7+15.00	TO	STA.	13+70.00
"D_CC05_RT"	STA.	17+15.00	TO	STA.	23+60.00
"D_CC10_LT"	STA.	11+50.00	TO	STA.	17+55.35
"D_CC10_RT"	STA.	21+50.00	TO	STA.	27+62.21
"D_CC11"	STA.	12+70.00	TO	STA.	19+25.00
"D_CC14_LT"	STA.	15+04.88	TO	STA.	20+64.78
"D_CC14_RT"	STA.	25+05.00	TO	STA.	30+49.57
"D_CC19"	STA.	19+50.00	TO	STA.	26+27.33



ONE-WAY DETOUR TYPICAL

"D_CC17" STA. 18+00.00 TO STA. 26+70.00

DETOUR SUMMARY

DETOUR	DETOUR TYPICAL	DESIGN SPEED (MPH)
D_CC03_LT	TWO-WAY	25
D_CC03_RT	TWO-WAY	25
D_CC05_LT	TWO-WAY	25
D_CC05_RT	TWO-WAY	25
D_CC10_LT	TWO-WAY	25
D_CC10_RT	TWO-WAY	25
D_CC11	TWO-WAY	25
D_CC14_LT	TWO-WAY	20
D_CC14_RT	TWO-WAY	20
D_CC17	ONE-WAY	20
D_CC19	TWO-WAY	25

NOTES:

1. CHANGES TO THE ENGINEERED DETOURS MUST BE APPROVED BY THE ENGINEER.
2. SEE STANDARD PLAN C-06.00 FOR TREATMENTS FOR HAZARDS WITHIN CONSTRUCTION CLEAR ZONE.

STATE OF ALASKA
49TH
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AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR TYPICAL SECTIONS

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:23 PM	N/A	CSL	REH	CSL

DRAWING LOCATION
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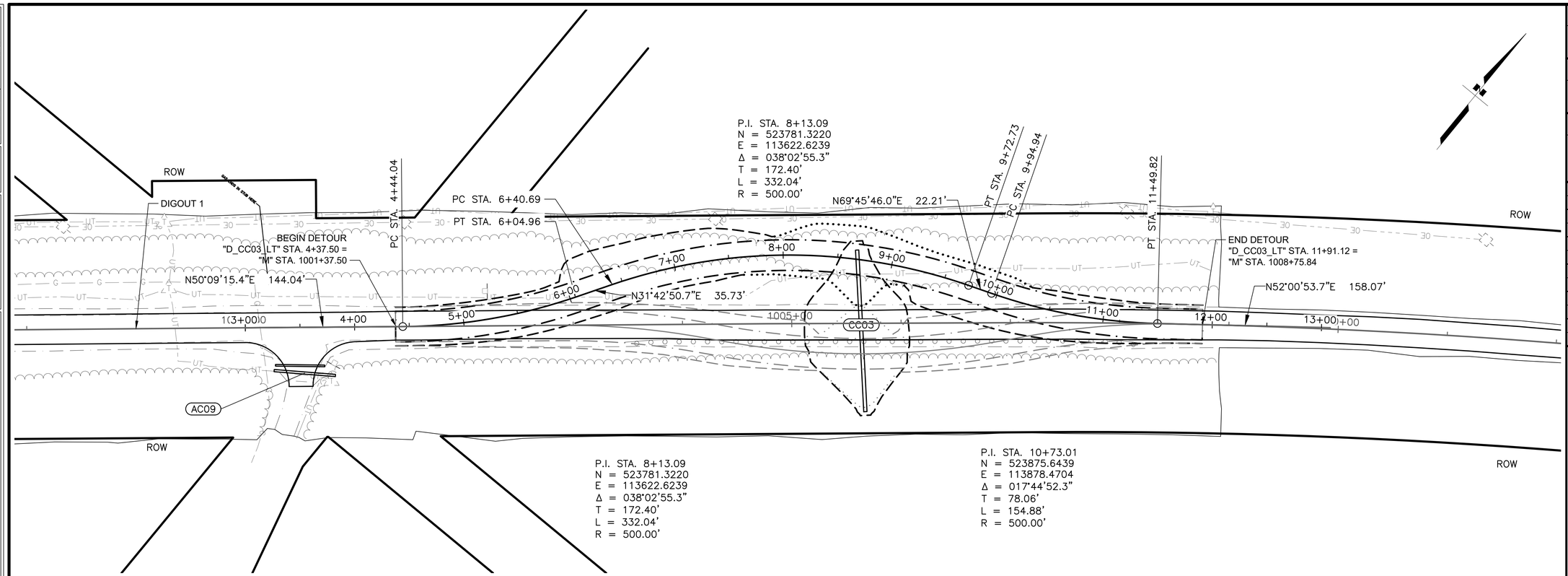
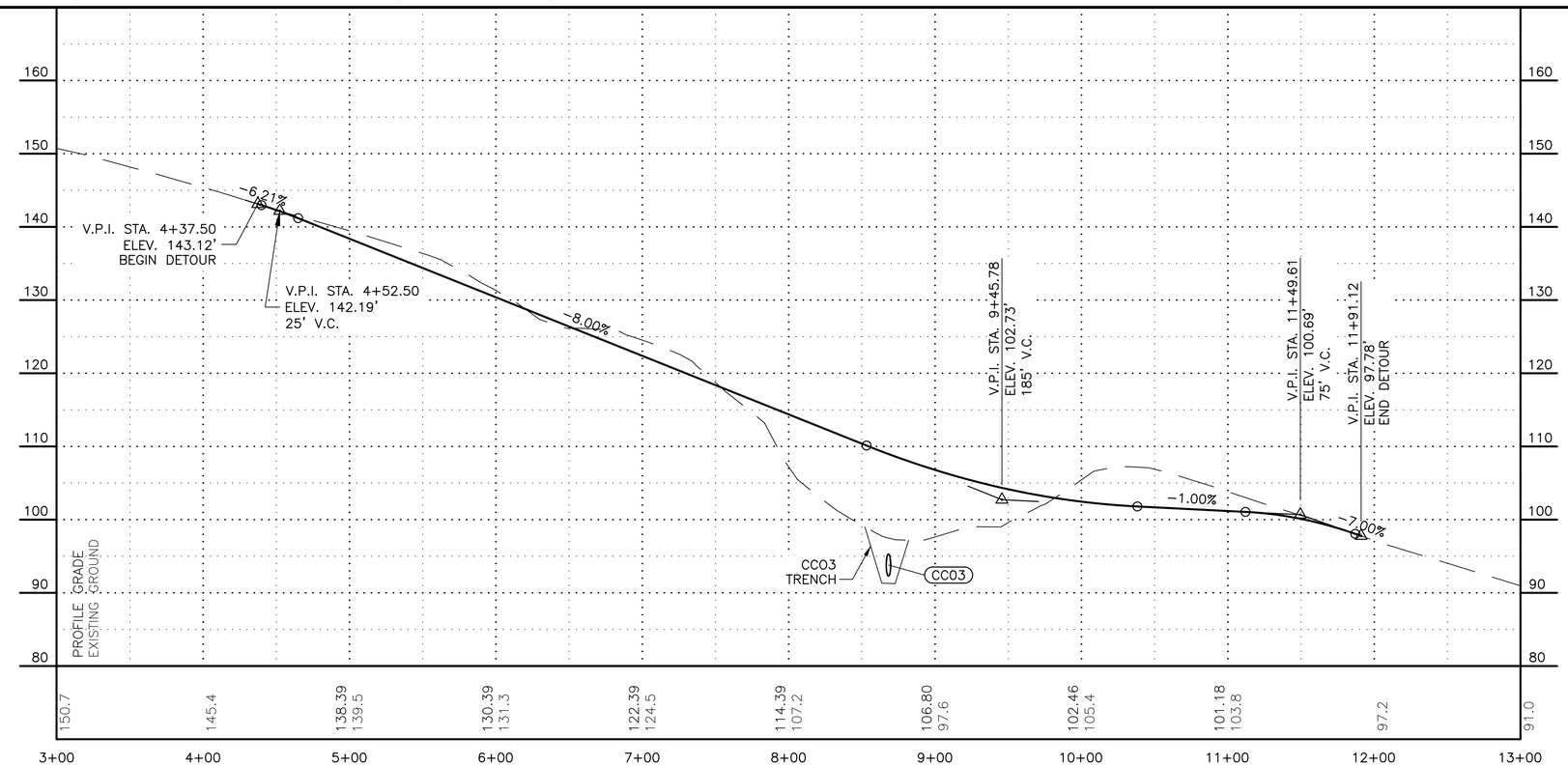


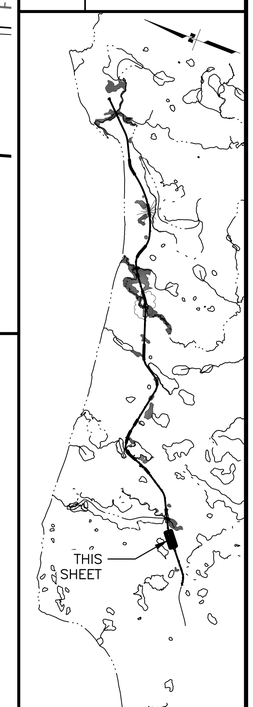


SHEET NO.	TOTAL SHEETS
J2	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC03_LT
STA. 3+00 TO
STA. 13+00

DESIGNED BY	CSL
CHECKED BY	RER
DRAFTED BY	ADR

SCALE 1" = 50'

DATE 6/7/2025 TIME 2:23 PM

DRAWING LOCATION
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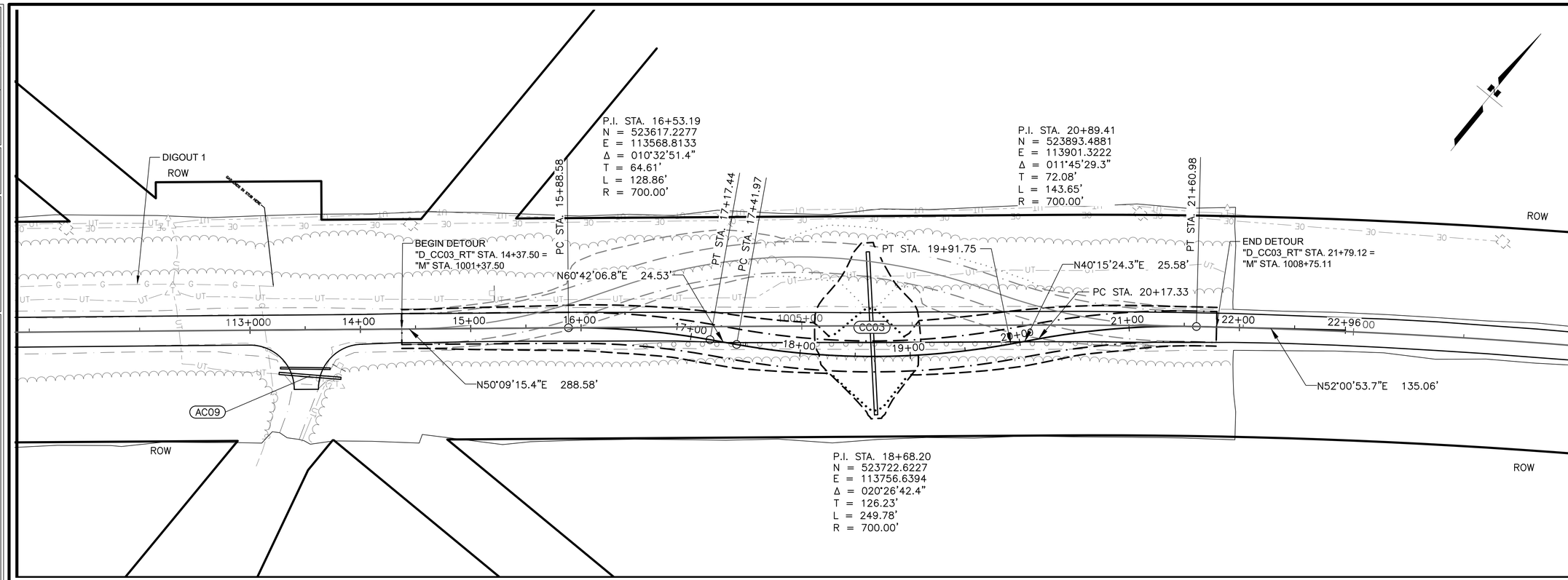
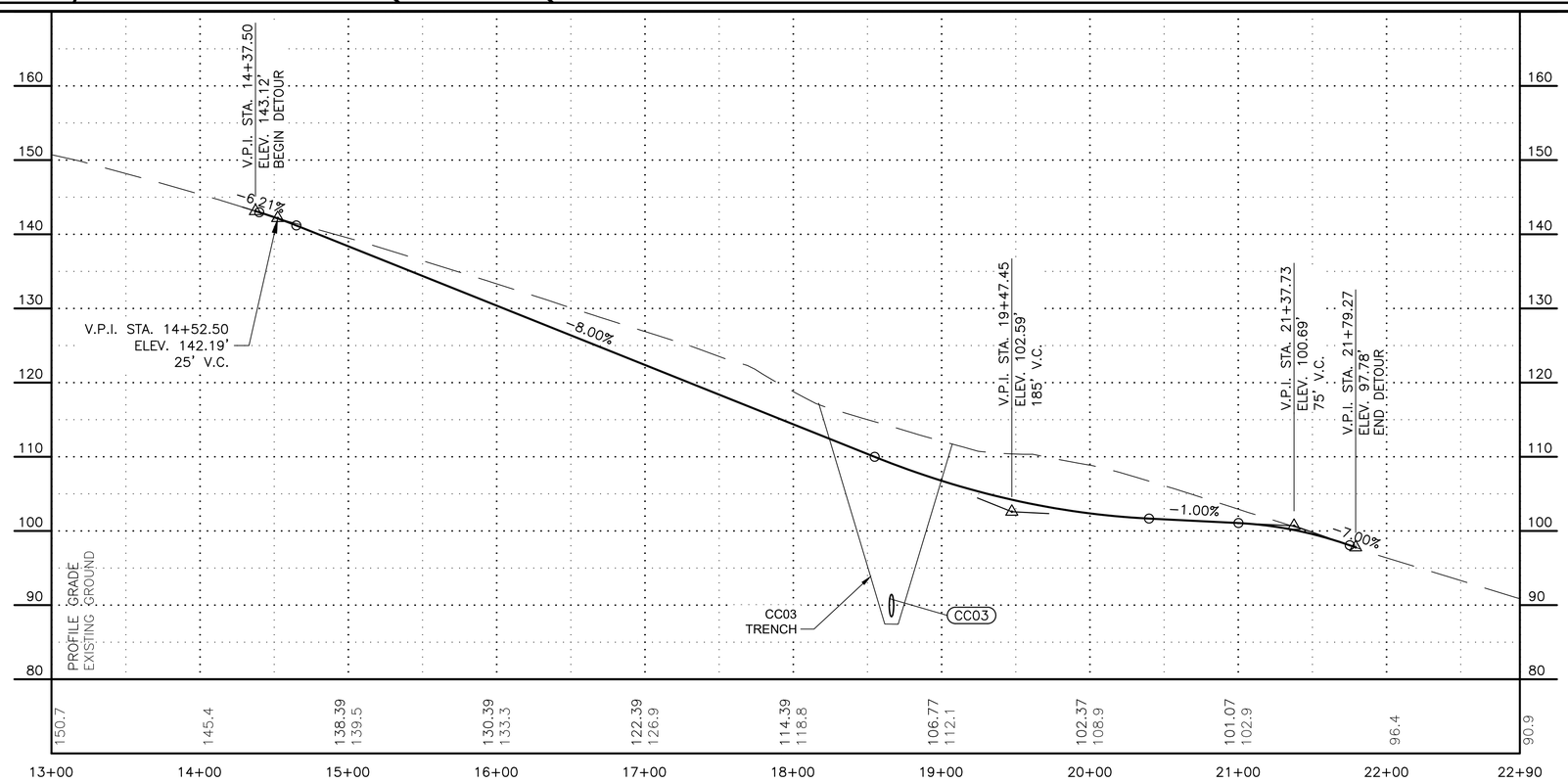


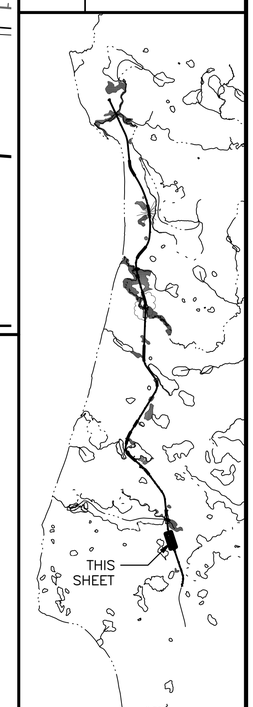


SHEET NO.	TOTAL SHEETS
J3	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC03_RT
STA. 13+00 TO
STA. 22+90

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
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DRAWING LOCATION
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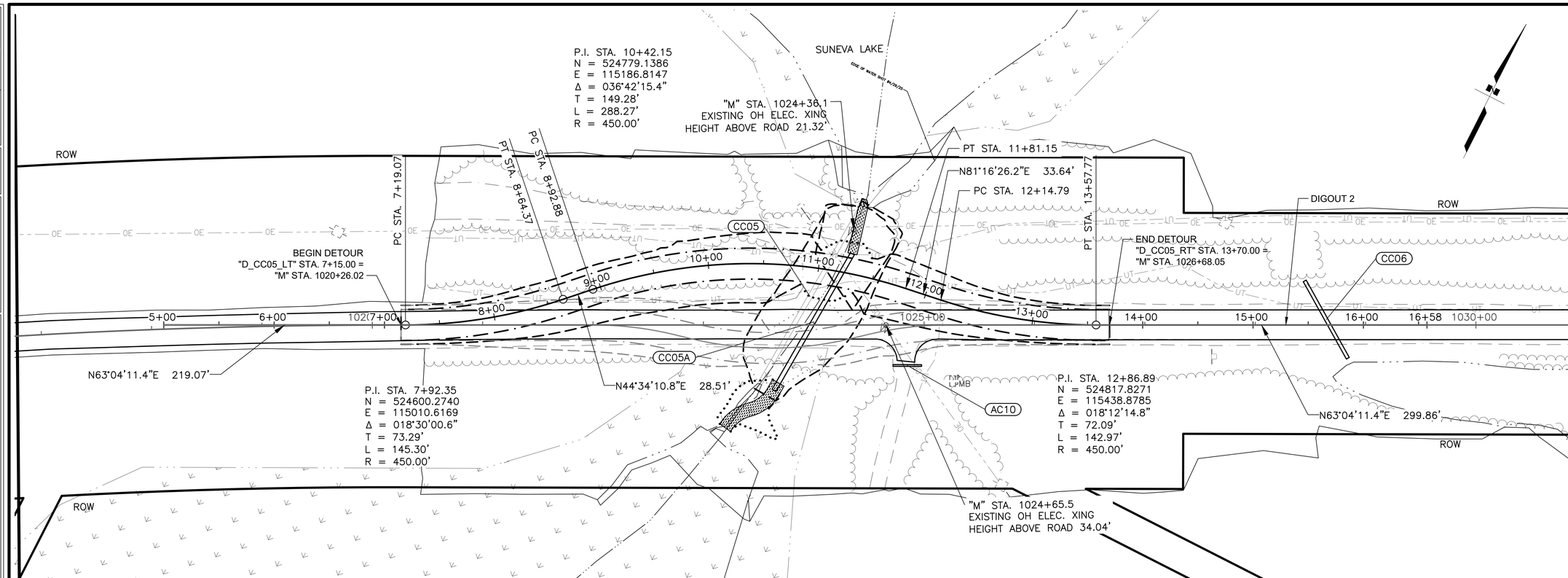
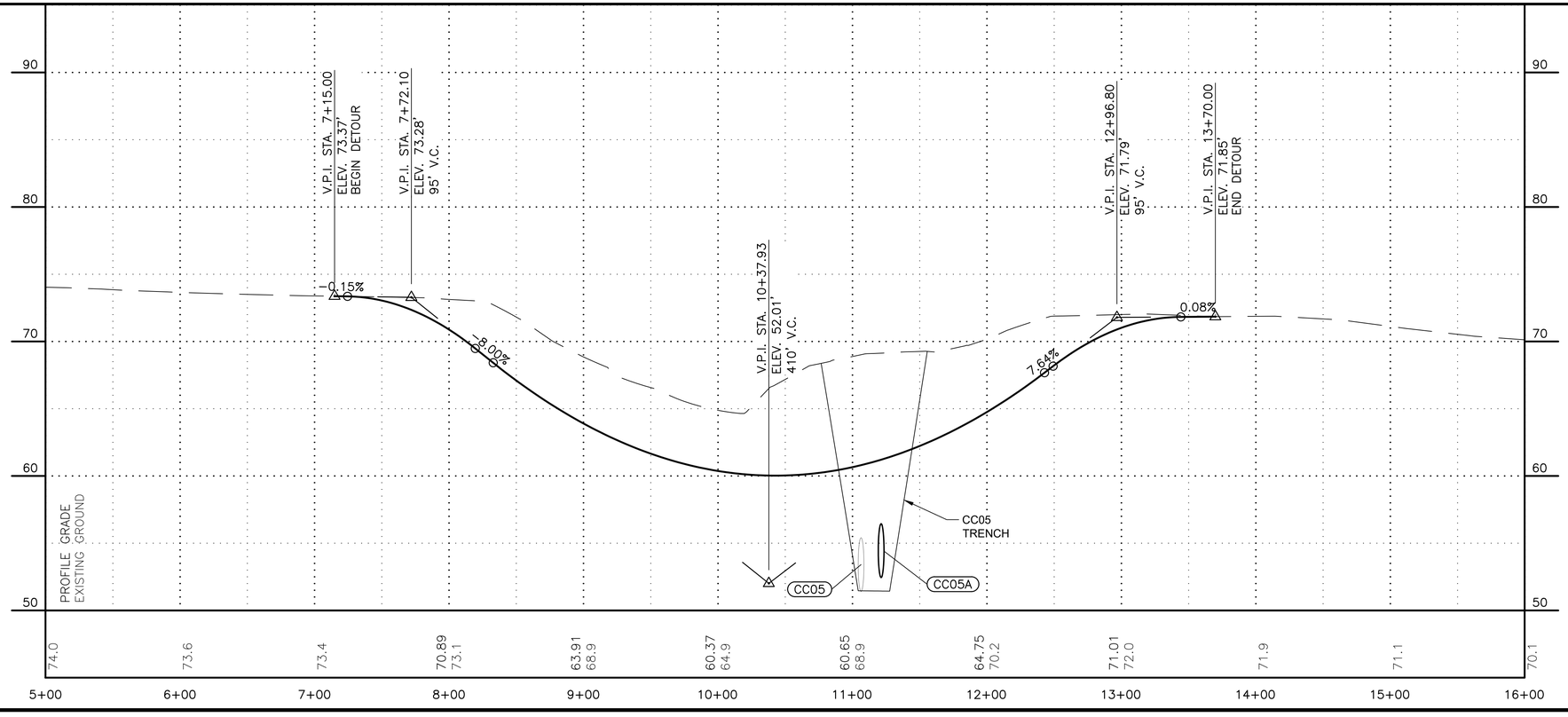
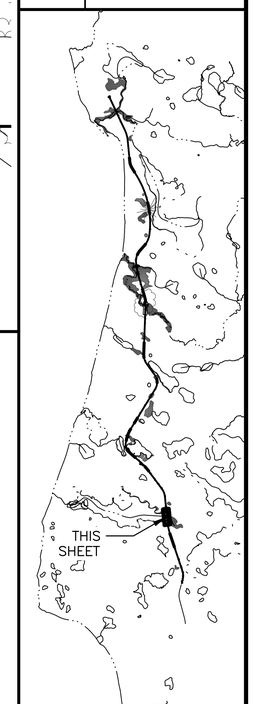
SHEET NO.	TOTAL SHEETS
J4	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC05_LT
STA. 5+00 TO
STA. 16+00

DESIGNED BY	CSL
CHECKED BY	RER
DRAFTED BY	ADR
SCALE	1" = 50'
DATE	6/7/2025
TIME	2:24 PM

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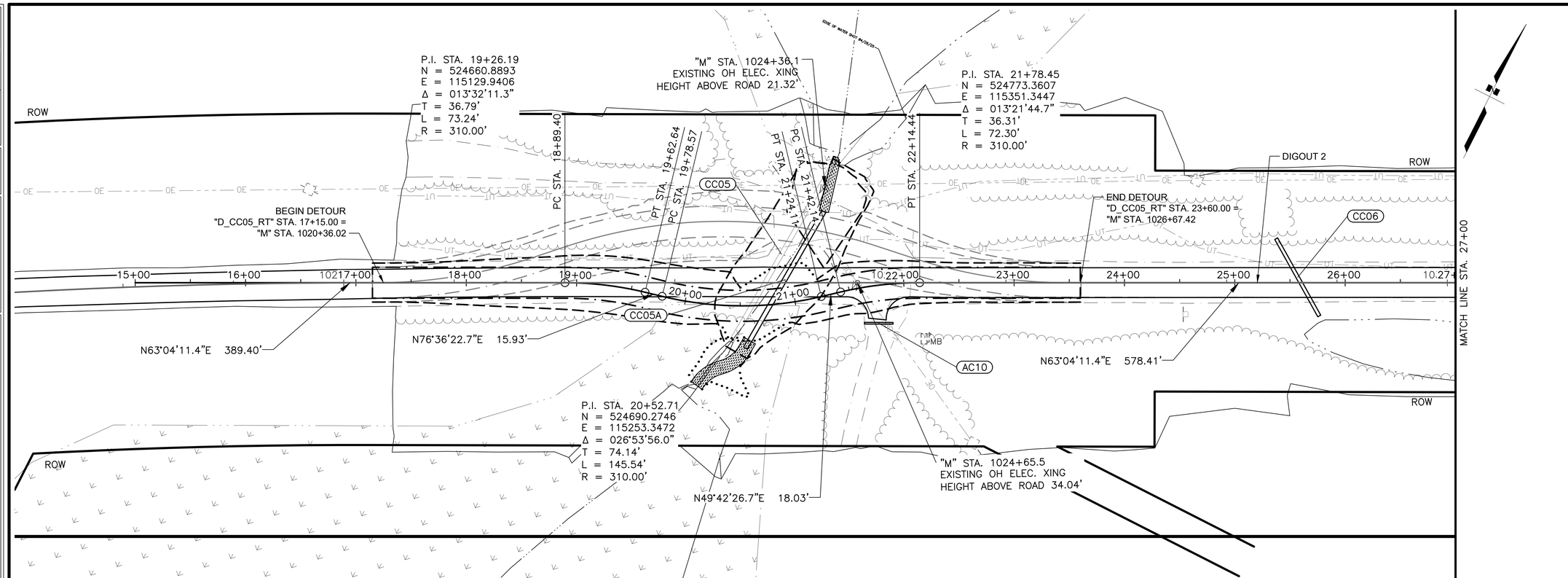
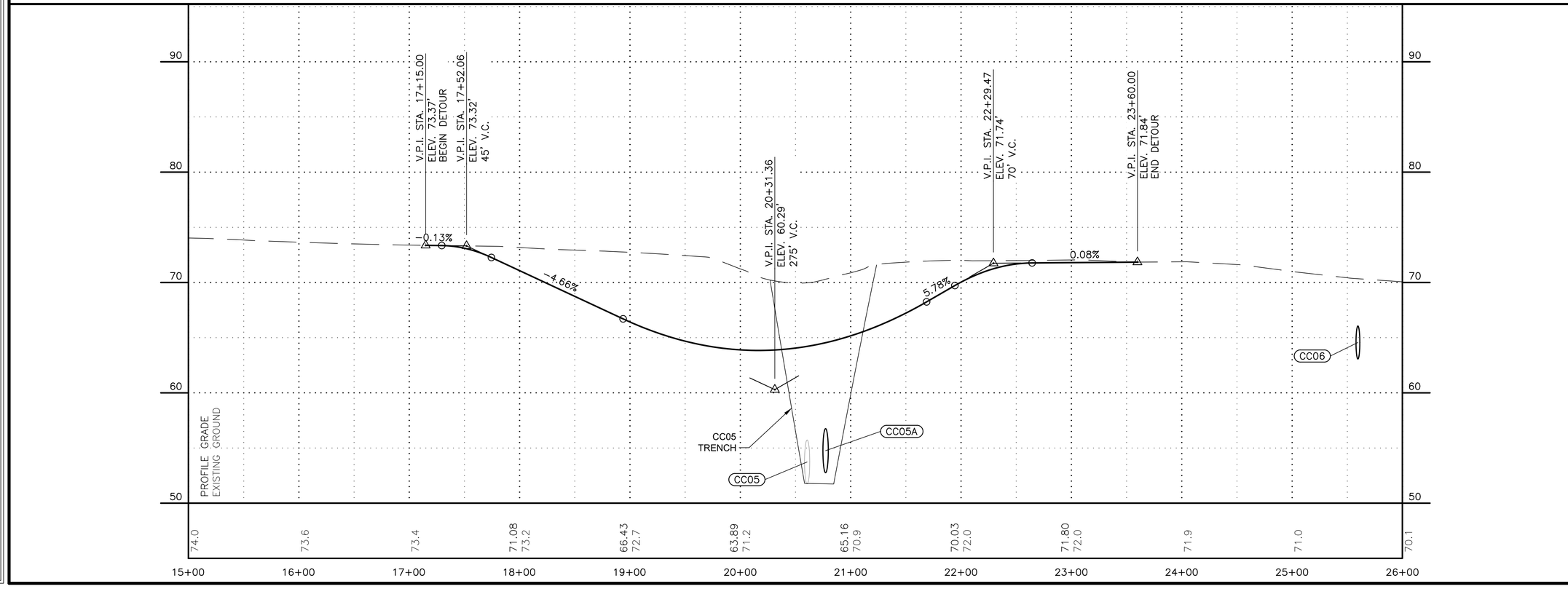
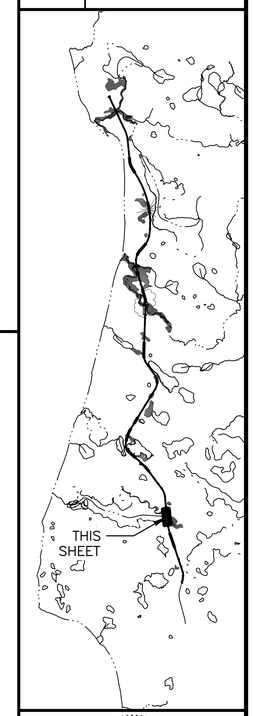
SHEET NO.	TOTAL SHEETS
J5	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







STATE OF ALASKA
PROJECT ENGINEER
PRELIM REVIEW
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC05_RT
STA. 15+00 TO
STA. 26+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
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DRAWING LOCATION
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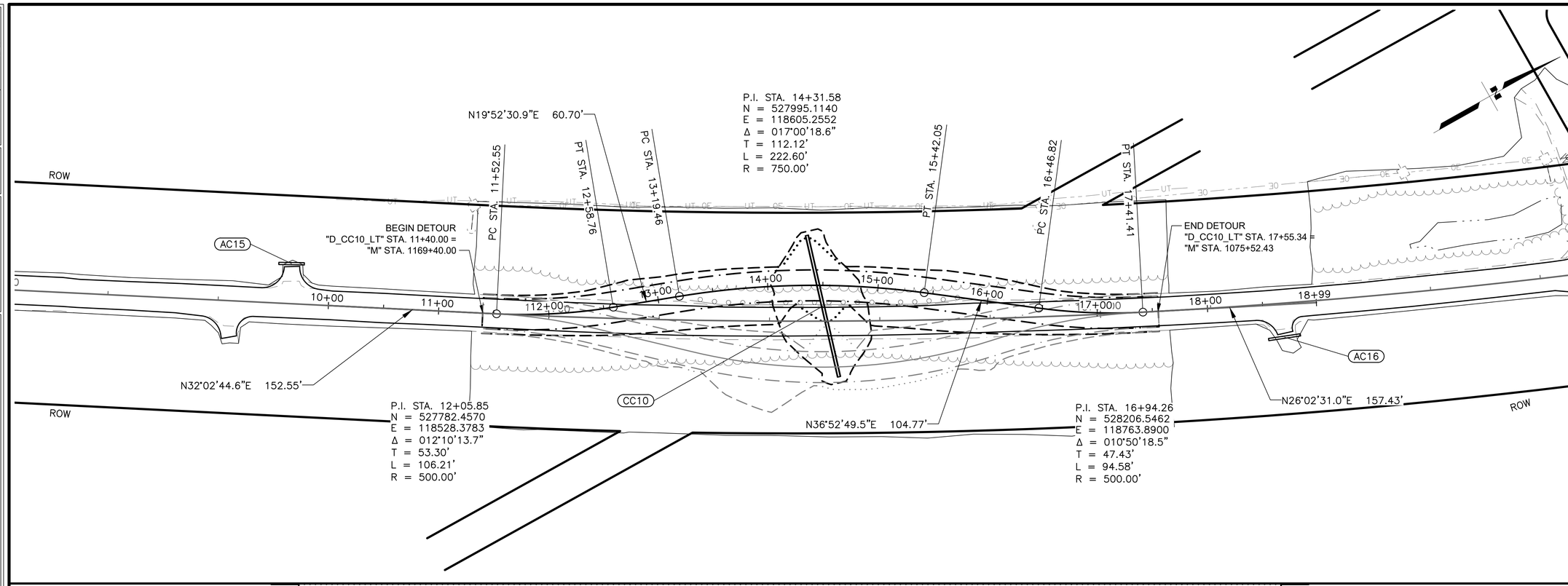
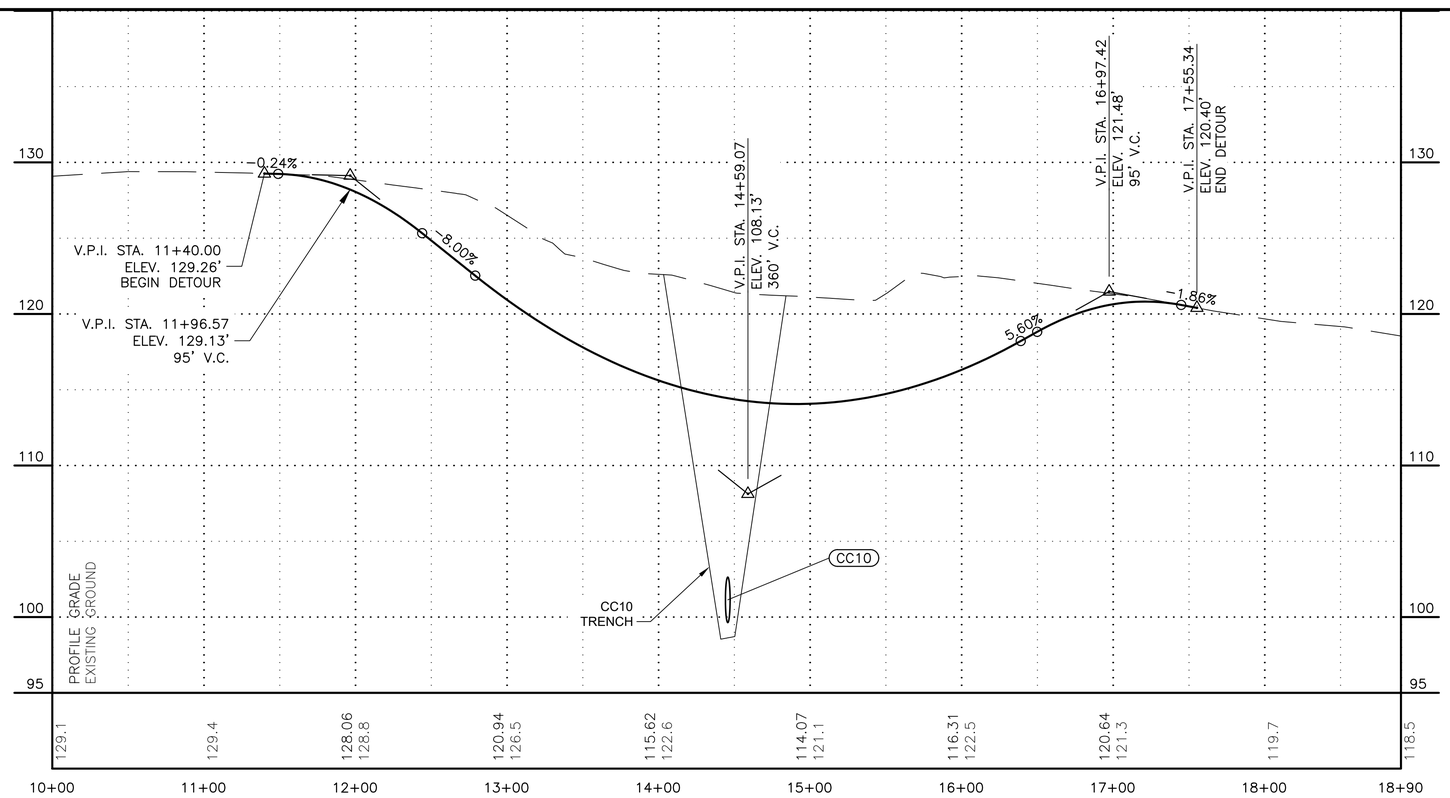
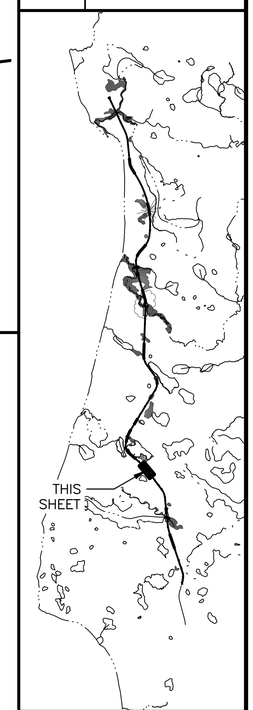




SHEET NO.	TOTAL SHEETS
J6	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW
STATE OF ALASKA
PROJECT NUMBER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

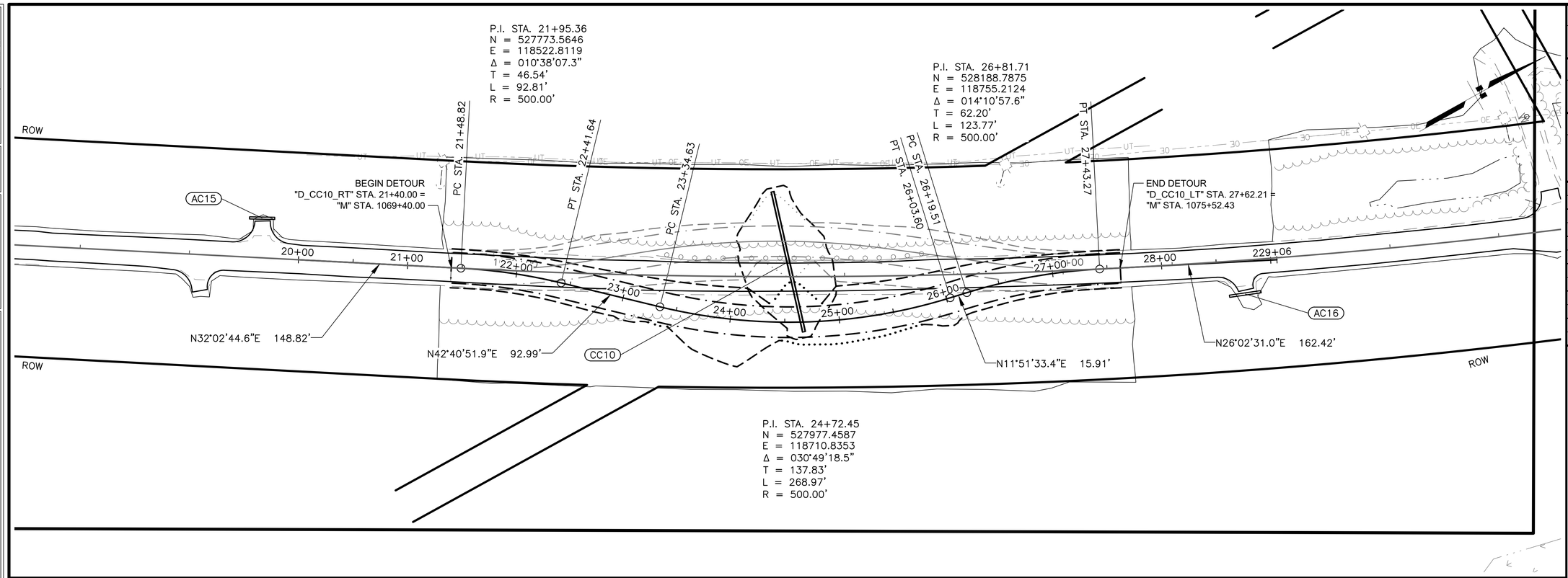
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

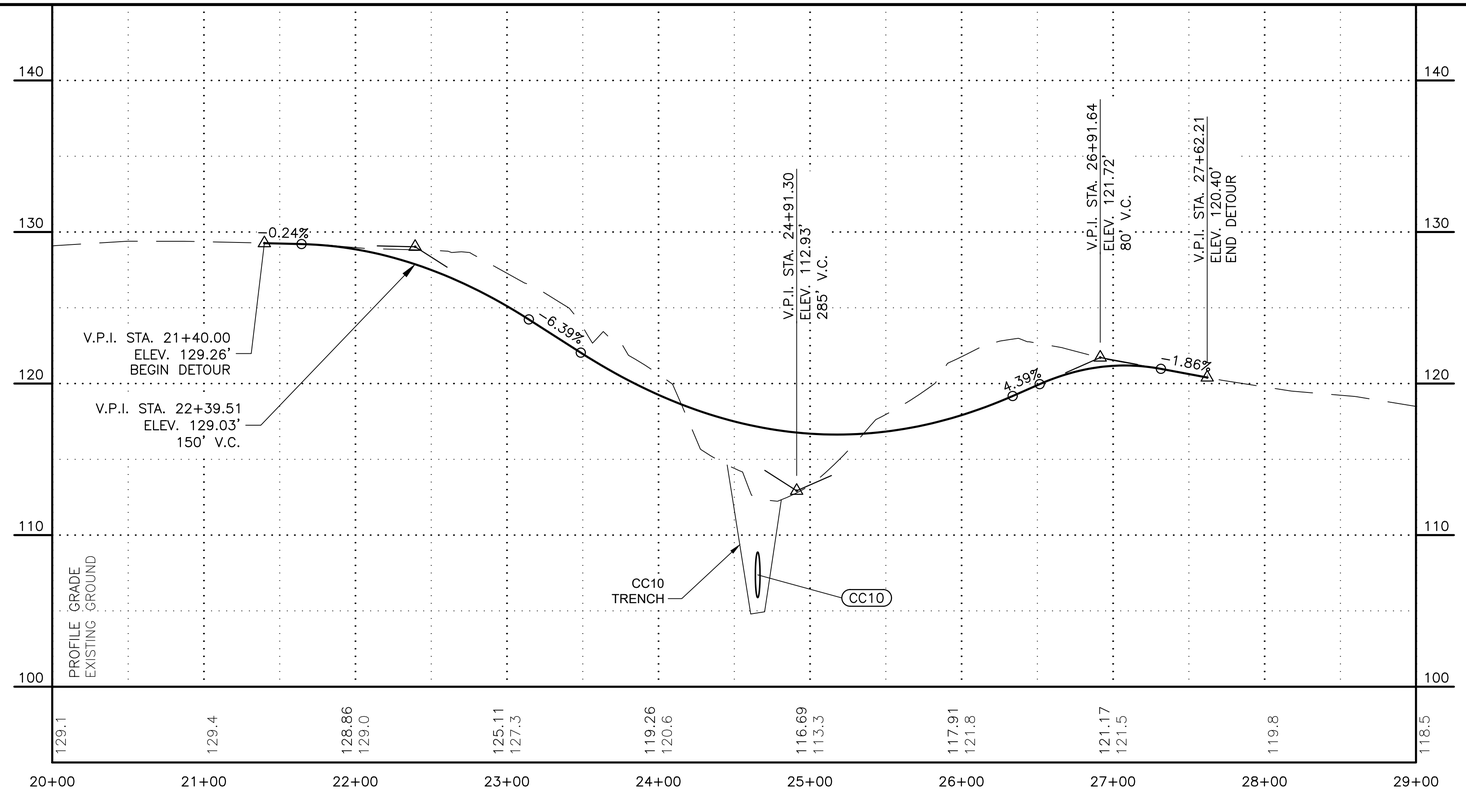
KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC10_LT
STA. 10+00 TO
STA. 18+90

DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-J-PNP.DWG

DATE 6/7/2025 TIME 2:24 PM
SCALE 1" = 50'
DESIGNED BY CSL
CHECKED BY REH
DRAFTED BY ADR



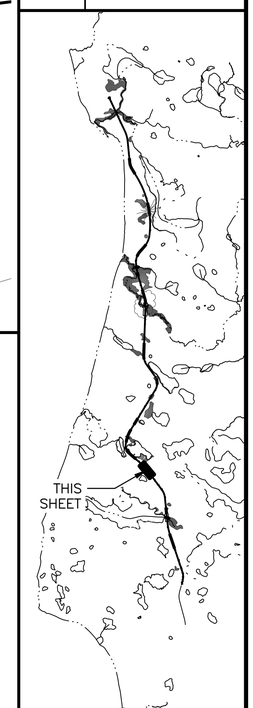


SHEET NO.	TOTAL SHEETS
J7	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC10_RT
STA. 20+00 TO
STA. 29+00

DESIGNED BY CSL
CHECKED BY
DRAFTED BY ADR

SCALE 1" = 50'

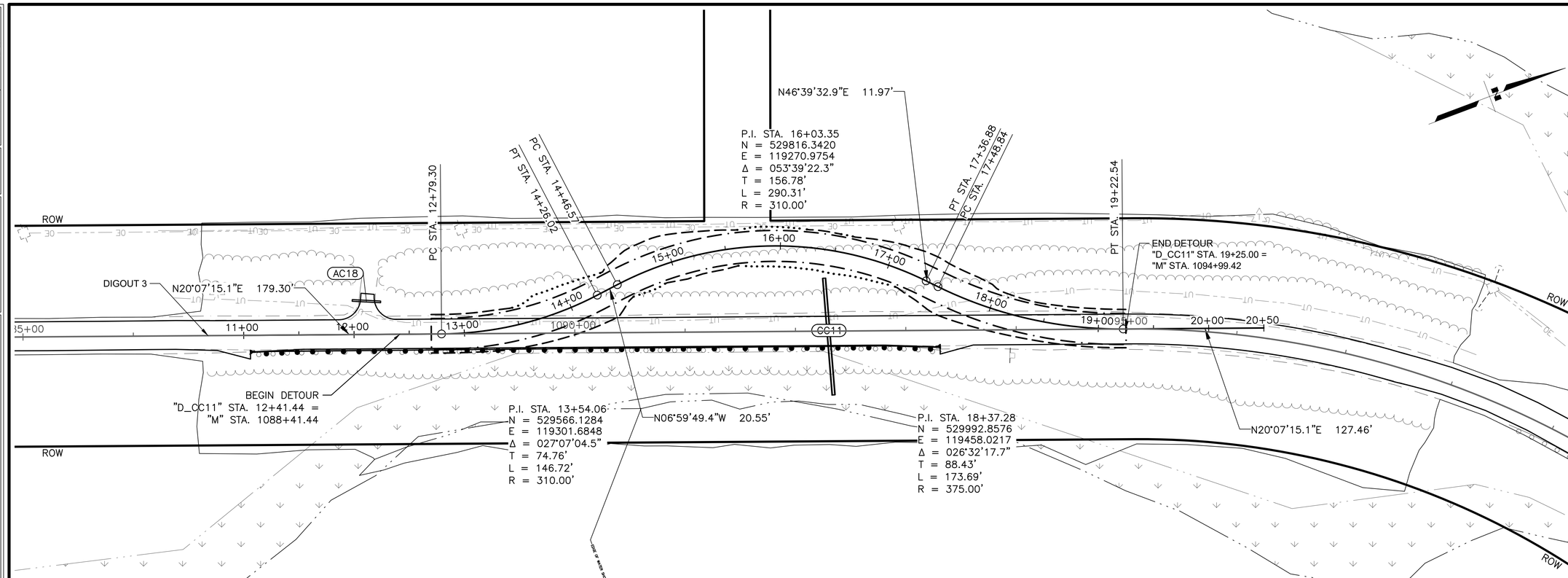
DATE 6/7/2025 TIME 2:24 PM

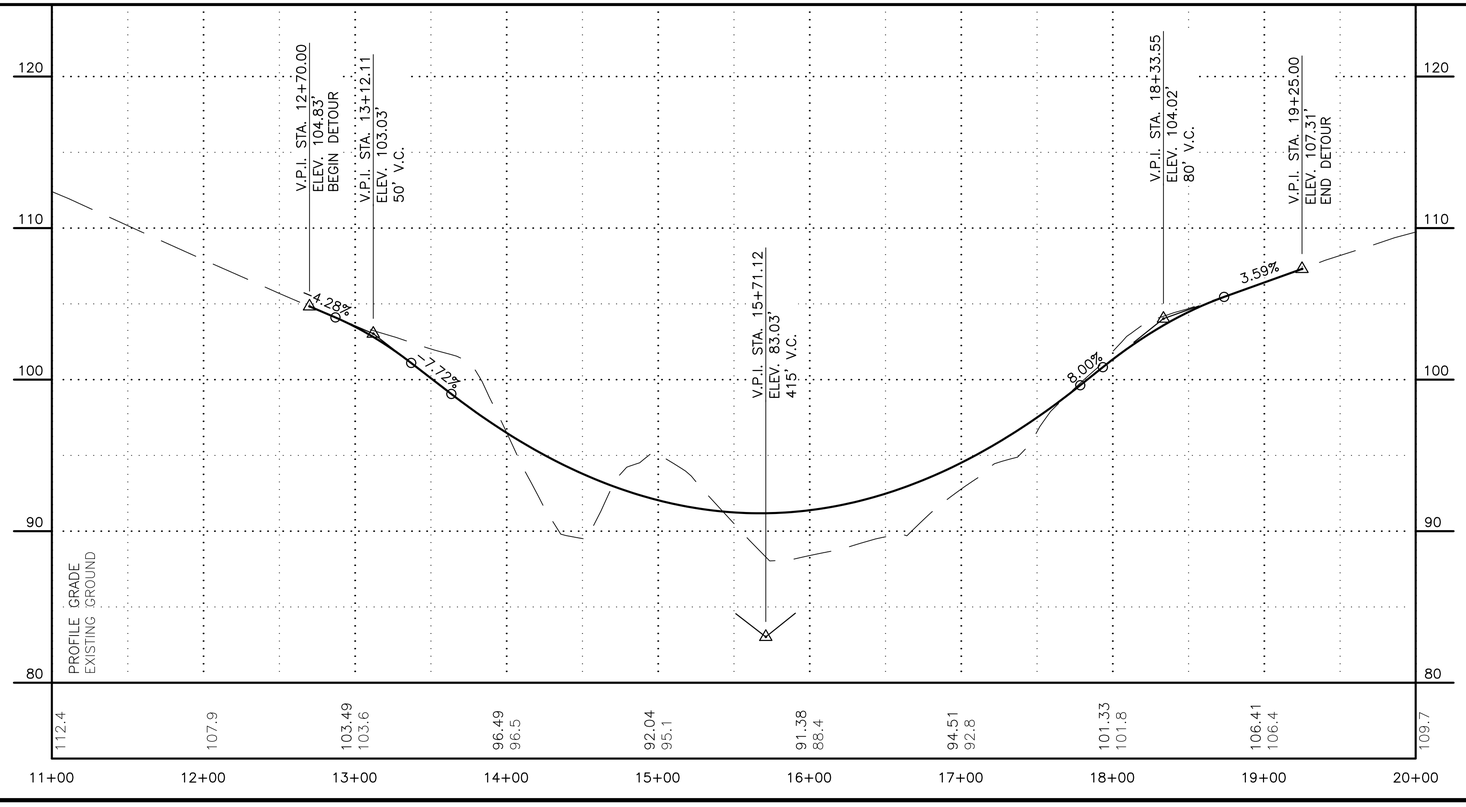
DRAWING LOCATION
C:\USERS\PUBLIC\MBIPW\2\DMS72948\197613-J-PNP.DWG

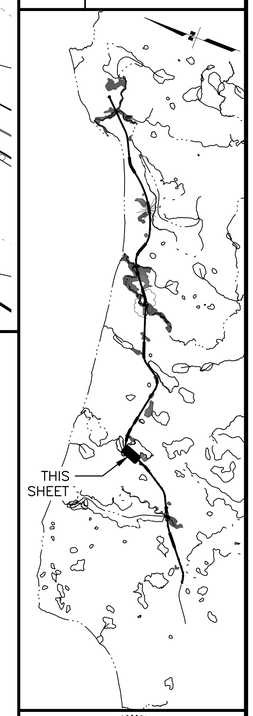
SHEET NO.	TOTAL SHEETS
J8	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC11
STA. 11+00 TO
STA. 20+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
6/7/2025	2:24 PM	1" = 50'	CSL	REH	ADR

DRAWING LOCATION
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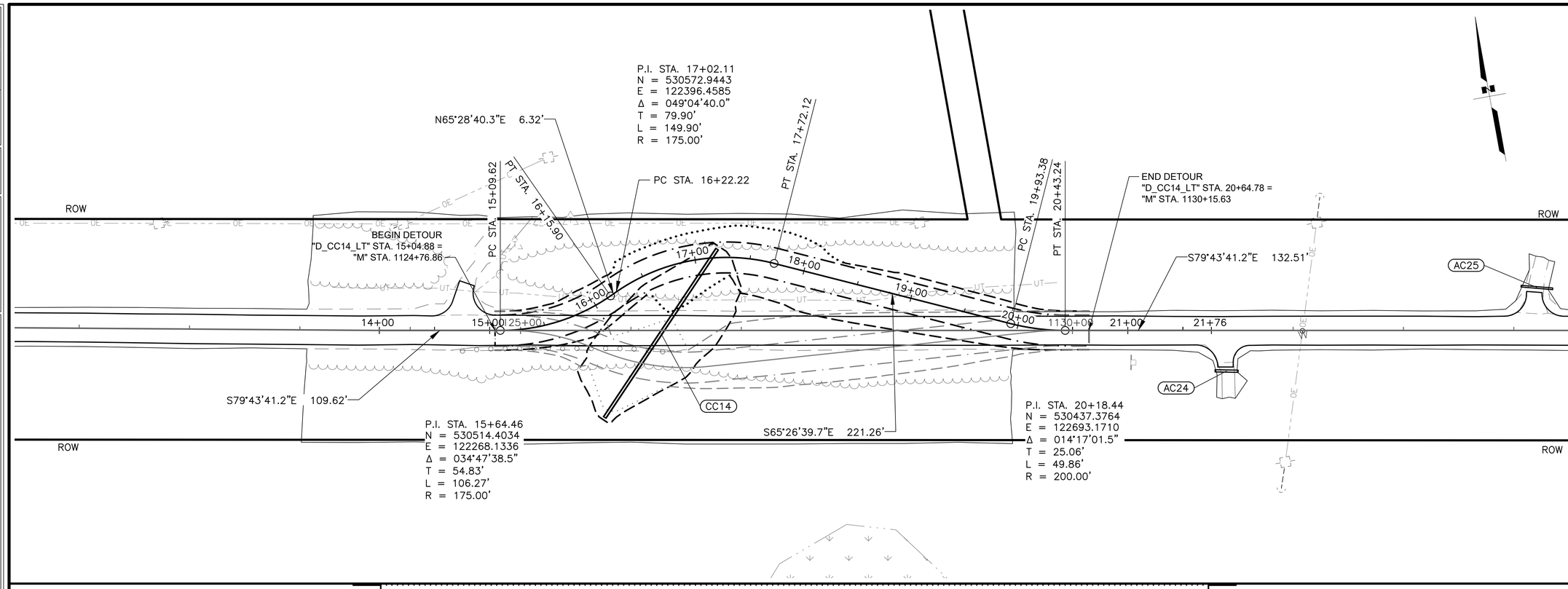
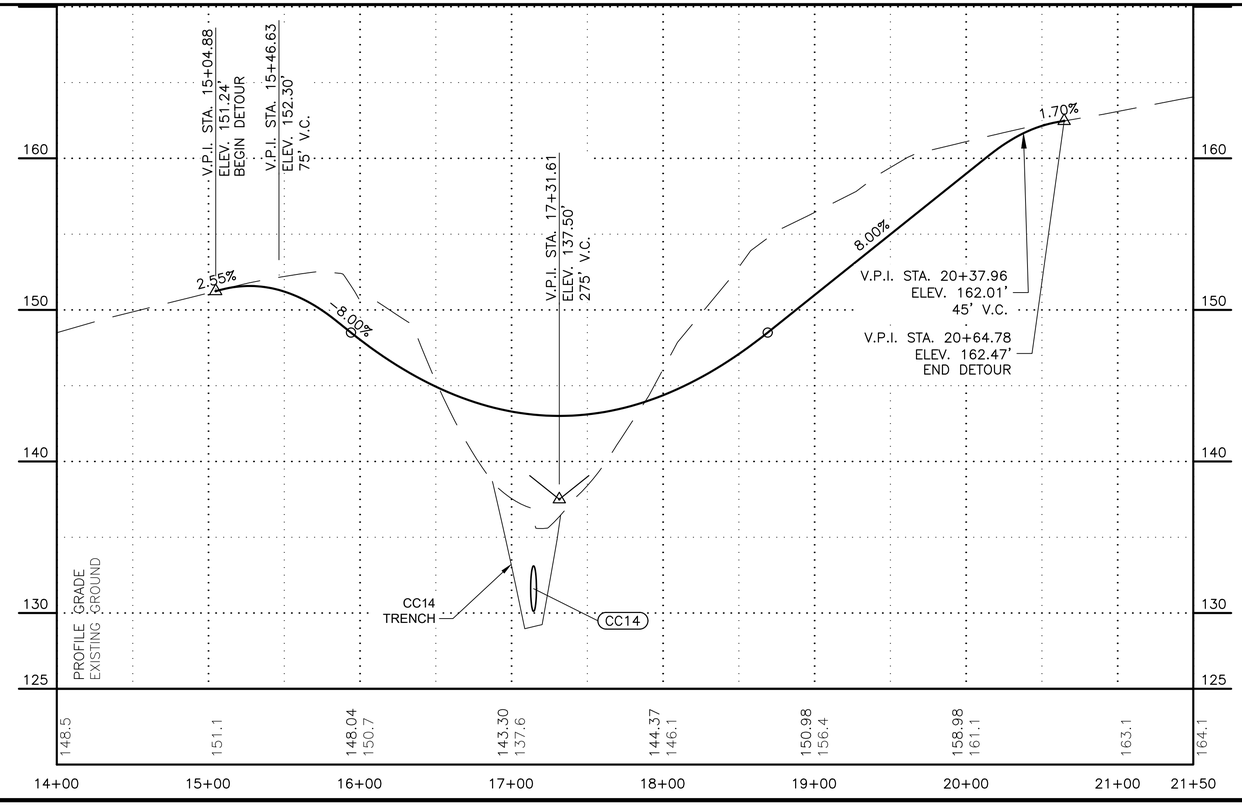
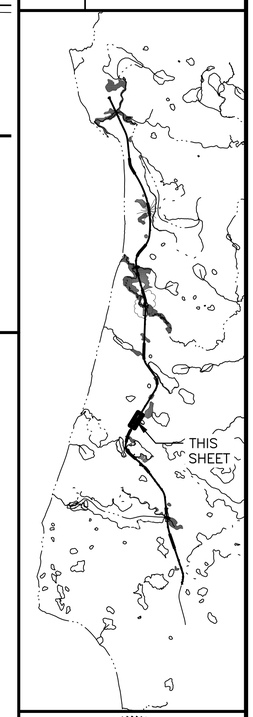
SHEET NO.	TOTAL SHEETS
J9	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC14_LT
STA. 14+00 TO
STA. 21+50

DESIGNED BY	CSL
CHECKED BY	RER
DRAFTED BY	ADR

SCALE 1" = 50'

DATE 6/7/2025 TIME 2:24 PM

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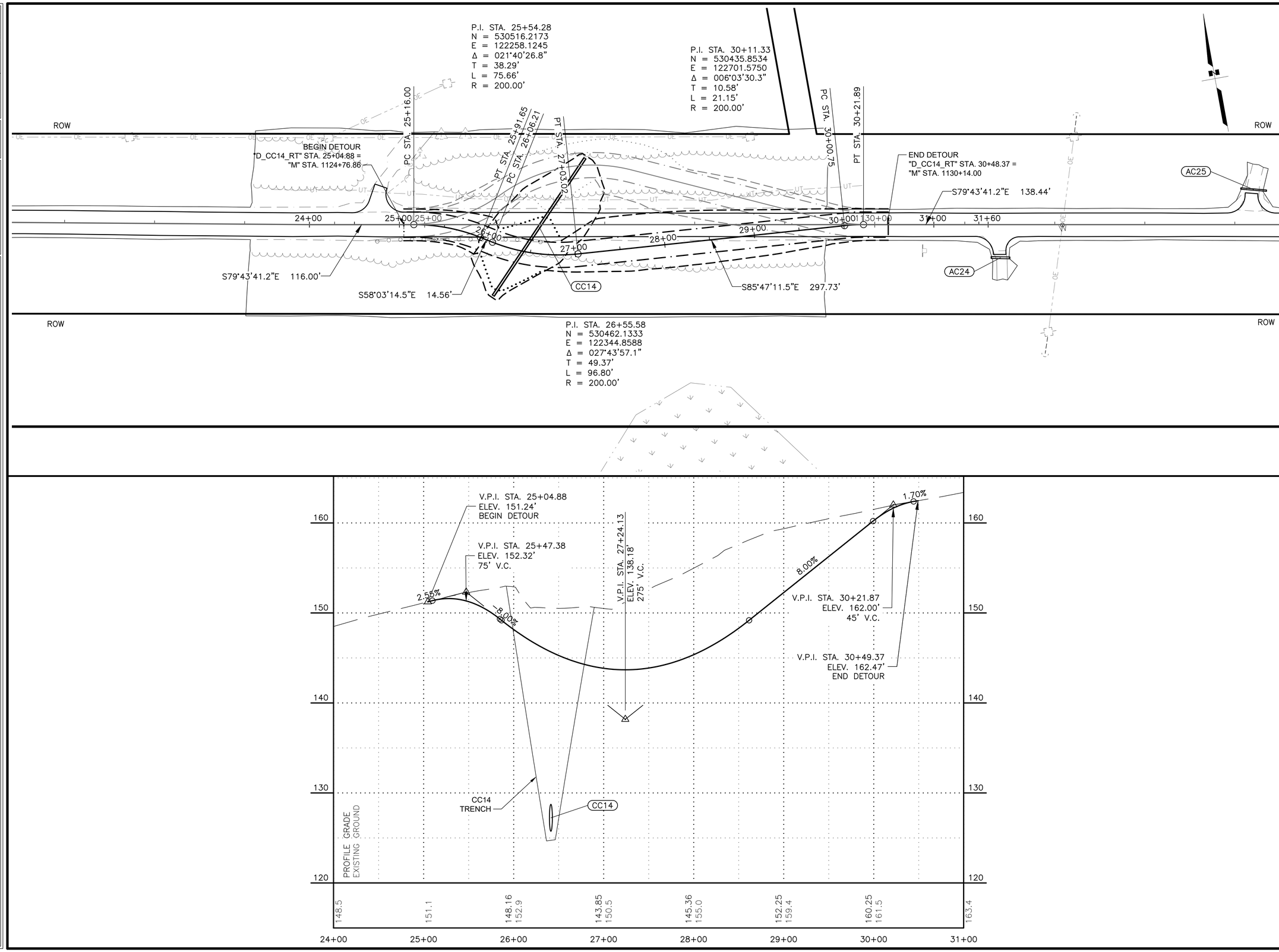
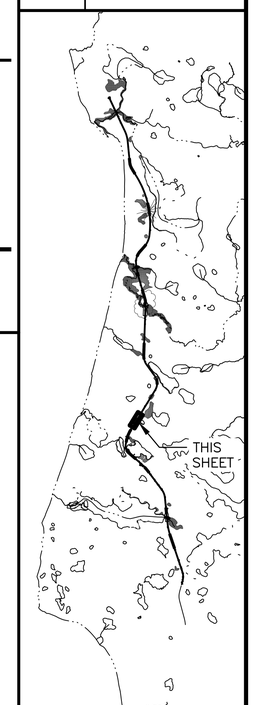


SHEET NO.	TOTAL SHEETS
J10	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW
PROJECT NUMBER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC14_RT
STA. 24+00 TO
STA. 31+00

DATE	TIME	SCALE	DESIGNED BY	CHECKED BY	DRAFTED BY
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DRAWING LOCATION
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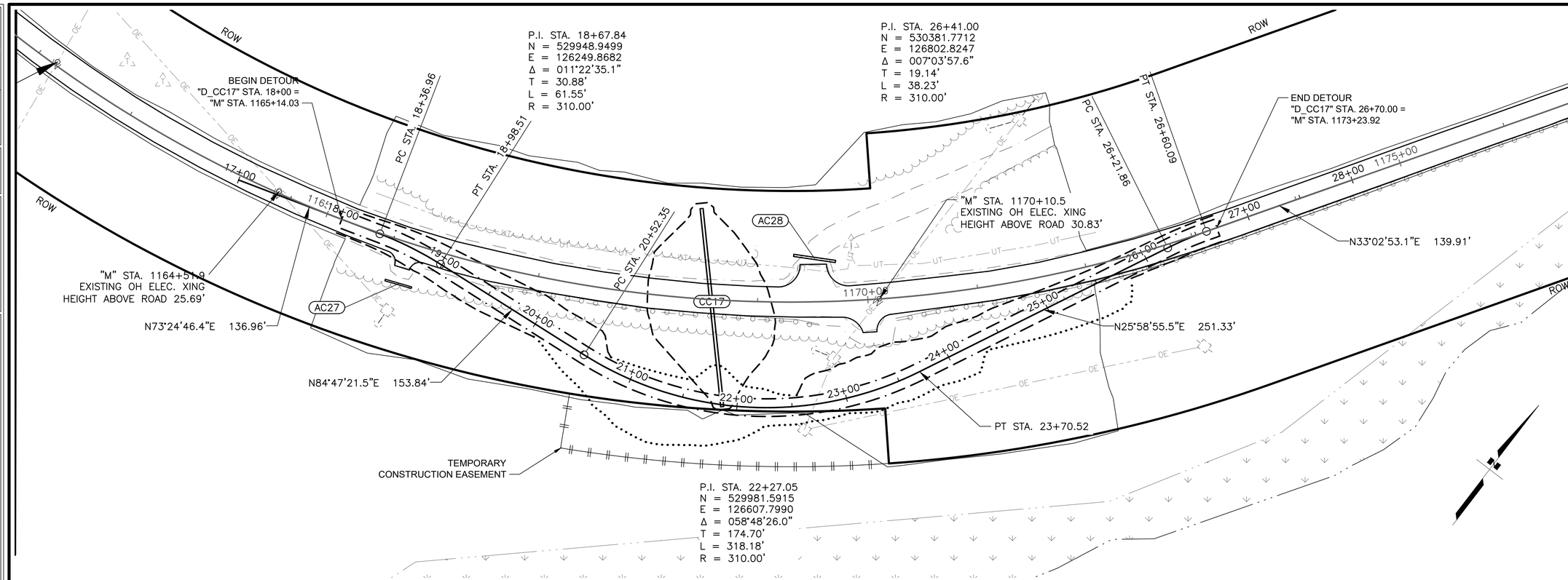
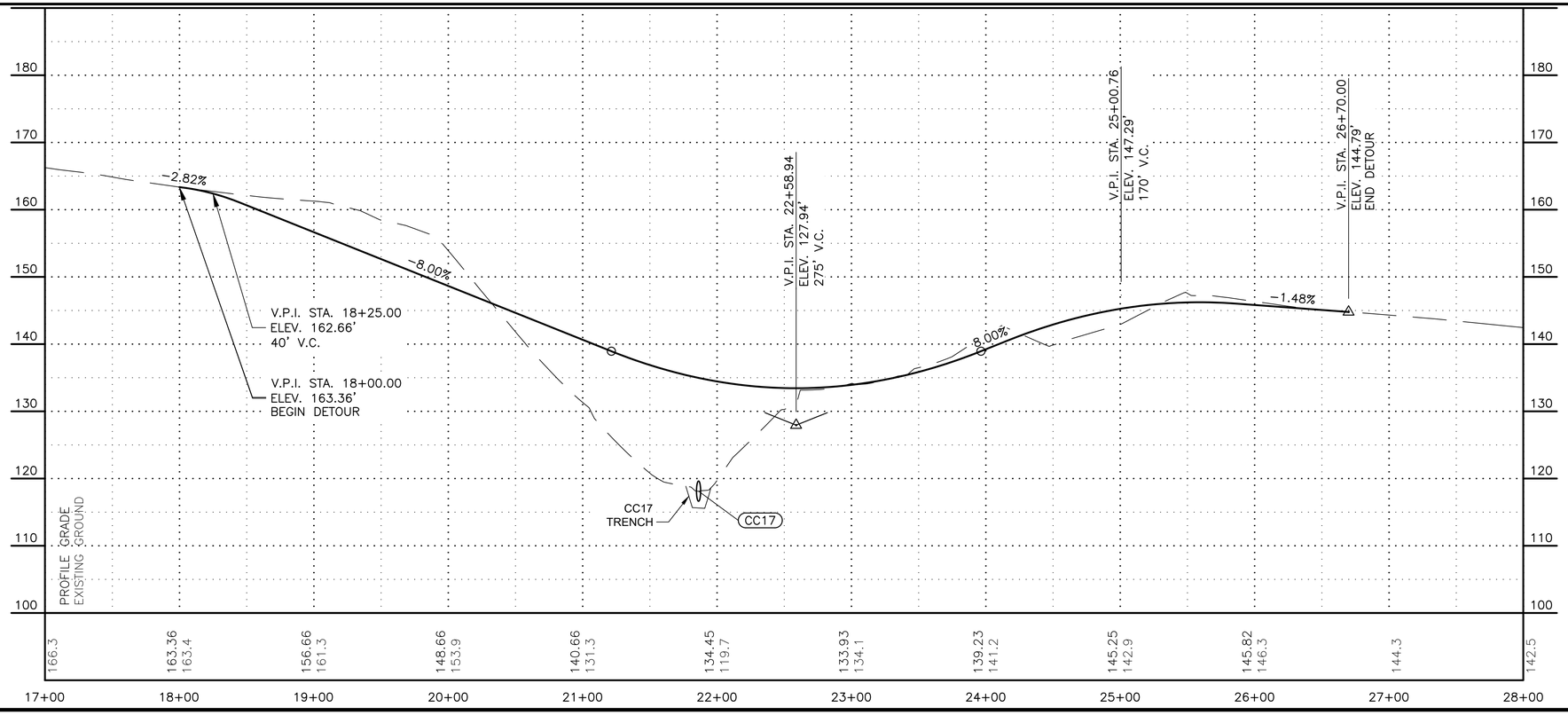
SHEET NO.	TOTAL SHEETS
J11	J12
STATE	YEAR
ALASKA	2025

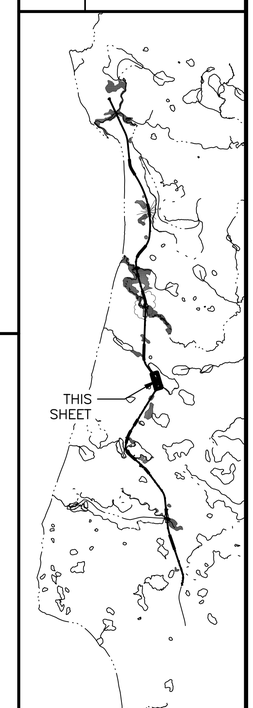
PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	







PRELIM REVIEW
STATE OF ALASKA
PROJECT NUMBER
PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC17
STA. 17+00 TO
STA. 28+00

DATE	TIME
6/7/2025	2:25 PM

SCALE 1" = 50'

DESIGNED BY CSL
CHECKED BY REH
DRAFTED BY ADR

DRAWING LOCATION
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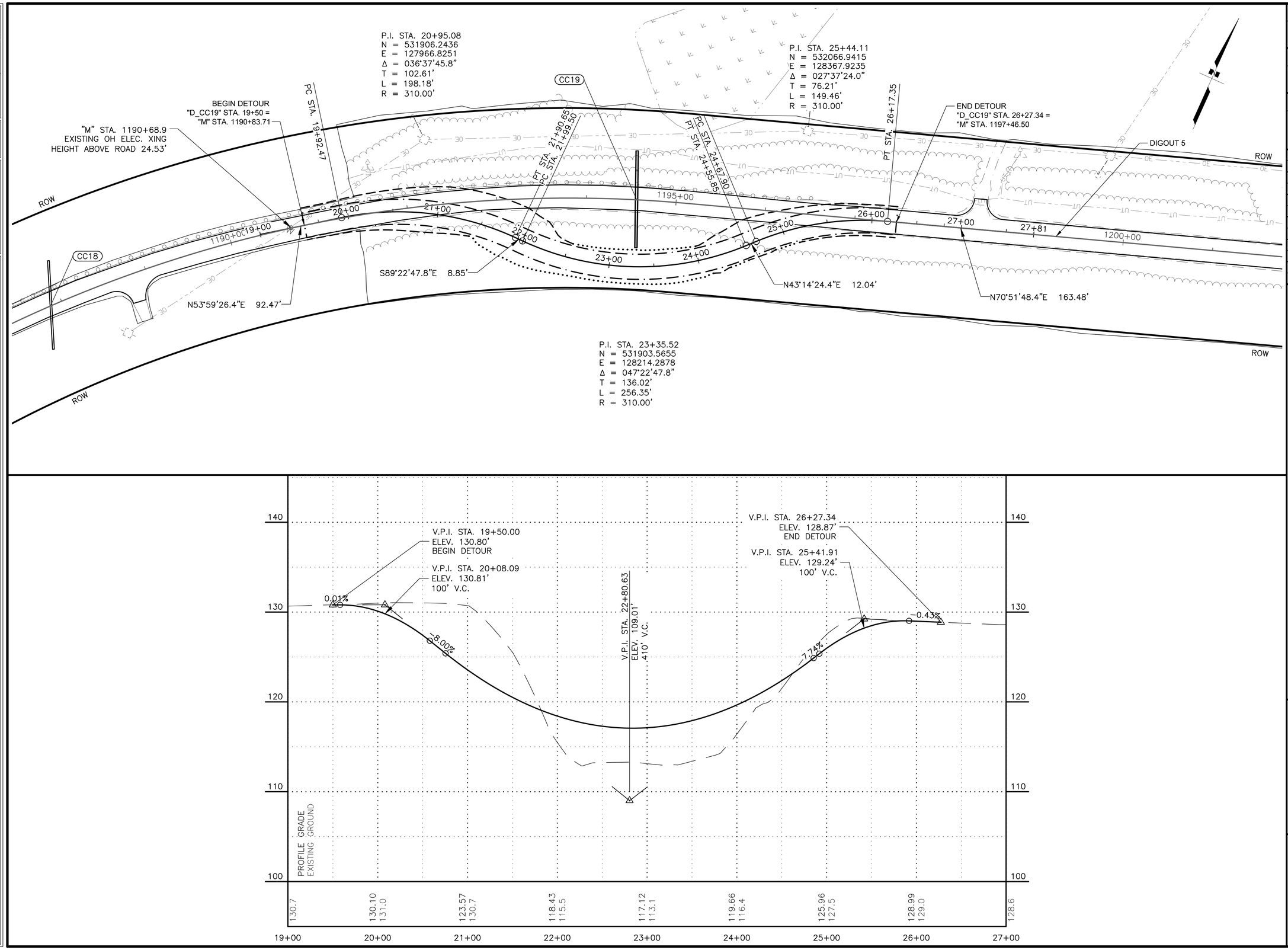
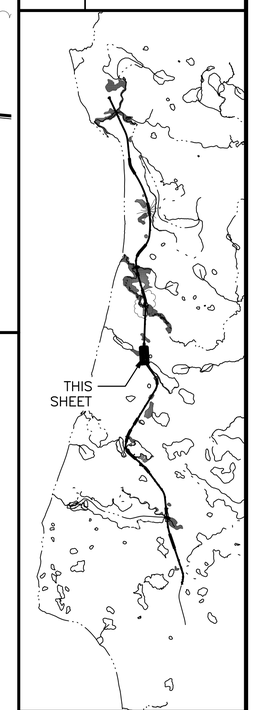


SHEET NO.	TOTAL SHEETS
J12	J12
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0490017/
CFHWY00852

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PRELIM REVIEW

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KENAI SPUR HIGHWAY
MP 29-38
PAVEMENT PRESERVATION

DETOUR D_CC19
STA. 19+00 TO
STA. 27+00

DESIGNED BY	CSL
CHECKED BY	RER
DRAFTED BY	ADR
SCALE	1" = 50'
DATE	6/7/2025
TIME	2:25 PM

DRAWING LOCATION
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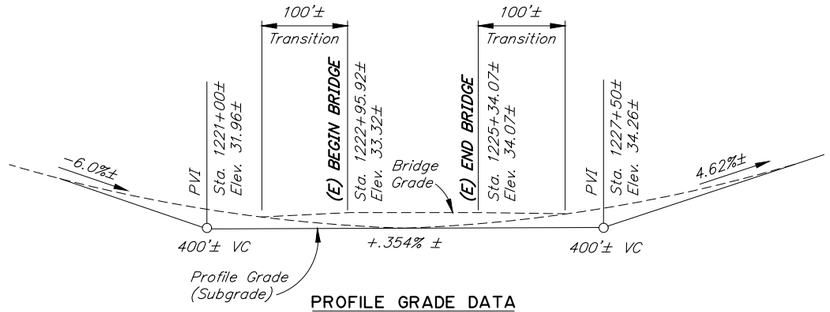
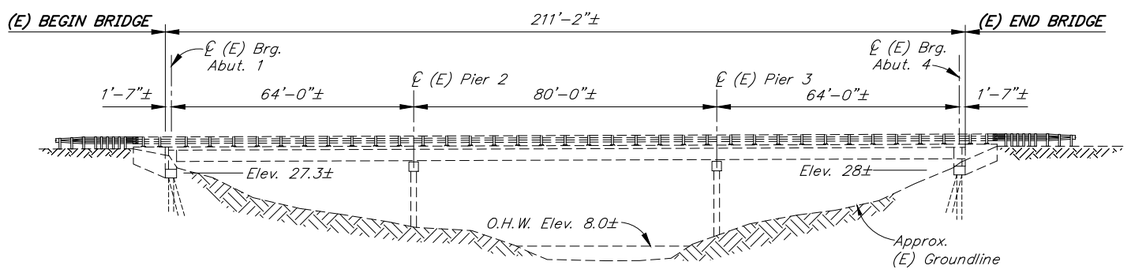
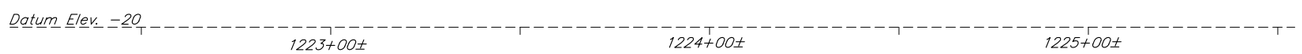
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CFHWY00852	2025	N1	N3



PROFILE GRADE DATA

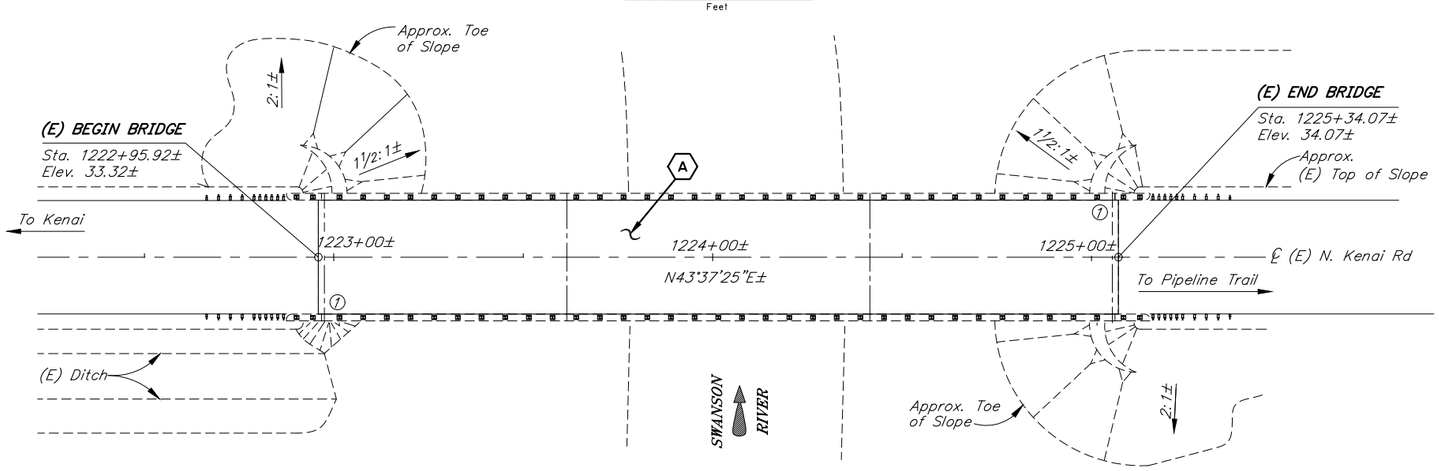
No Scale





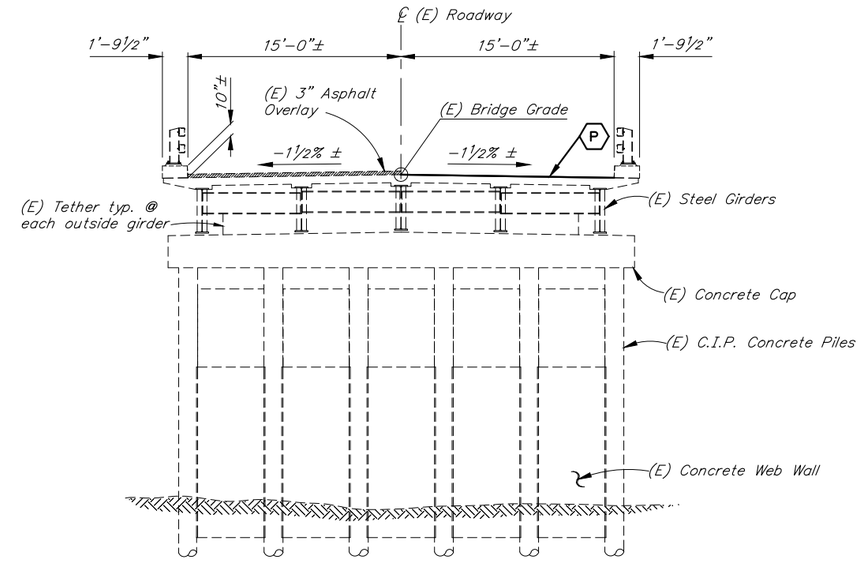
ELEVATION

10 0 20 40
Feet



PLAN

10 0 20 40
Feet



EXISTING PROPOSED

TYPICAL SECTION

12 0 5 10
In. Feet

LEGEND
(P) – Place ¾" Polyester Concrete Overlay.

BRIDGE DRAWING INDEX

TITLE	DWG. NO.
GENERAL LAYOUT	1
GENERAL NOTES	2
DECK DETAILS	3

NOTES:

(E) = Existing

- - - - - = Existing

——— = Proposed

(1) = Approximate location of Bridge Number Plate.

2. For project milepoints, see roadway sheets.

3. Verify controlling field dimensions before ordering or fabricating any material.

DESIGNED BY: Ben Still	CHECKED: Checker	LAYOUT BY: Designer	CHECKED BY: Checker
DRAWN BY: Javier De Leon	CHECKED: Ben Still	SPECIFICATIONS BY: Designer	P S & E COMPARED: Checker
QUANTITIES BY: Ben Still	CHECKED: Checker	APPROVAL RECOMMENDED BY: Leslie Daugherty	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

SWANSON RIVER BRIDGE

KENAI SPUR HIGHWAY

GENERAL LAYOUT

BRIDGE NO. 214

DWG. NO. 1

R:\cad\214_CFHWY00852_KenaiSpurMP29-38\214_CFHWY00852-1 GENERAL LAYOUT Wed, May/21/25 09:14am

BRIDGE BASIS OF ESTIMATE

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	TOTAL QUANTITY
510.0001.0000	Removal of Concrete Bridge Deck	SF	SF	6032
510.2001.0000	Bridge Deck Repair	CS	SF	All Req'd
525.2001.0000	Polyester Concrete Overlay	LS	SF	6032

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.

GENERAL NOTES

DESIGN:..... AASHTO LRFD Bridge Design Specifications, 2024 Edition, with latest interim specifications.

LIVE LOAD:..... HS-20

REINFORCEMENT:..... ASTM A706, Grade 60, Fy = 60,000 psi
Space reinforcement evenly unless otherwise noted.

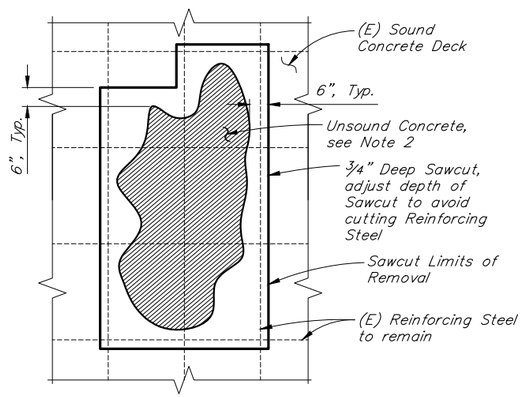
CONCRETE:.....Class A Concrete unless otherwise noted, f'c = 4000 psi

Existing stations, elevations and dimensions are based on as-built plans, and those plans may not show existing dimensions and conditions. Where dimensions of the proposed work depend on the existing bridge dimensions, field-verify the controlling dimensions and adjust proposed dimensions of the work to fit existing conditions.

ABBREVIATIONS:

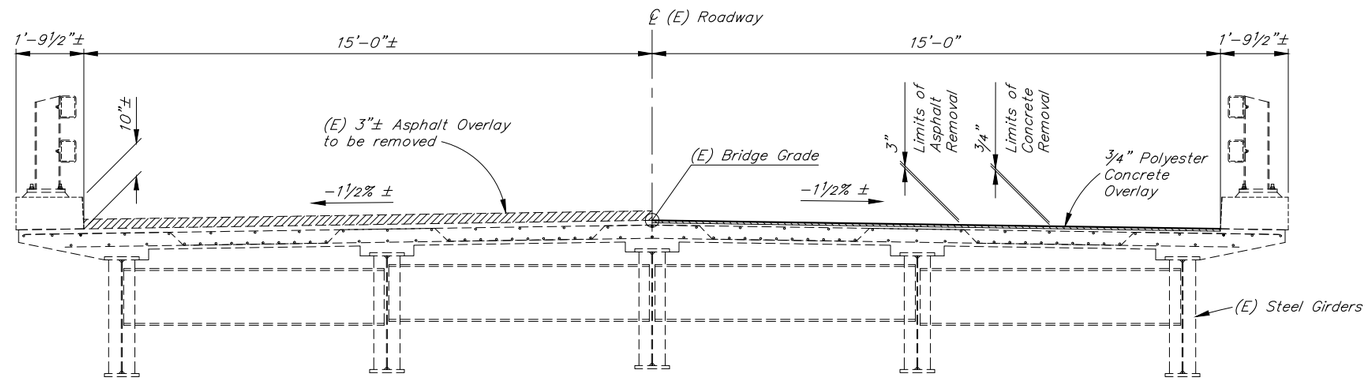
℄	= centerline	Elev.	= elevation	No.	= number
ℙ	= plate	e.f.	= each face	o.c.	= on center
&	= and	e.w.	= each way	O.H.W.	= ordinary high water
@	= at	Ext.	= exterior	pcf	= pounds per cubic foot
ø	= diameter	F	= fixed	psf	= pounds per square foot
±	= approximate	f.f.	= far face	psi	= pounds per square inch
Abut.	= abutment	f'c	= specified concrete compressive strength	R	= radius
Approx.	= approximate			R.O.W.	= right of way
Alt.	= alternating	Ft.	= feet	Rt.	= right
b.f.	= back/dirt face	Fy	= yield stress	S.I.P.	= stay-in-place
bot.	= bottom	Galv.	= galvanize	spcs.	= space, spaces
Br.	= bridge	H.S.	= high strength	Sta.	= station
btwn.	= between	Hwy.	= highway	SF	= square feet
Brg.	= bearing	ID	= internal diameter	SY	= square yard
C.G.	= center of gravity	Int.	= interior	Std.	= standard
C.I.P.	= cast in place	Jt.	= joint	Symm.	= symmetric
CJP	= complete joint penetration	K	= kips	Typ.	= typical
Clr.	= clear, clearance	ksf	= 1000 pounds per square foot	UT	= ultrasonic testing
CMP	= corrugated metal pipe	ksi	= 1000 pounds per square inch	V.P.C.	= point of vertical curve
CF	= cubic feet	LBS or lb	= pounds	V.P.I.	= point of vertical intersection
CY	= cubic yard	LF	= linear foot	V.P.T.	= point of vertical tangent
Dia.	= diameter	LS	= lump sum	w/	= with
Dwg.	= drawing	Lt.	= left		
E	= expansion	max.	= maximum		
(E)	= existing	min.	= minimum		
EA	= each	MSE	= mechanically stabilized earth		
		n.f.	= near face		

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CFHWY00852	2025	N3	N3



CONCRETE DECK REPAIR PLAN

12 6 0 1 2 3 4
In. Feet

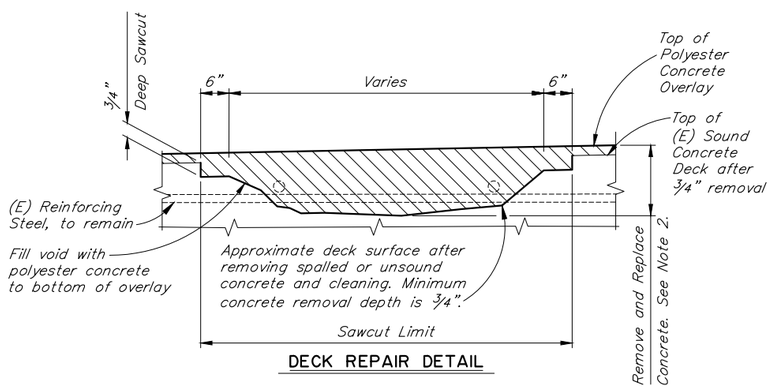


EXISTING

PROPOSED

TYPICAL SECTION

12 6 0 1 2 3 4
In. Feet



DECK REPAIR DETAIL

No Scale

NOTES:

(E) = Existing

- - - - - = Existing

——— = Proposed

1. Verify controlling field dimensions before ordering or fabricating any material.
2. Remove unsound concrete, expose & preserve existing reinforcing steel. Depth of concrete removal varies. Chip to limits of sound concrete. Chip to ¾" below exposed reinforcing steel.

DESIGNED BY: Ben Still	CHECKED: Checker	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975	**SWANSON RIVER BRIDGE** KENAI SPUR HIGHWAY **DECK DETAILS**
DRAWN BY: Javier De Leon	CHECKED: Ben Still		BRIDGE NO. 214
QUANTITIES BY: Ben Still	CHECKED: Checker		DWG. NO. 3

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