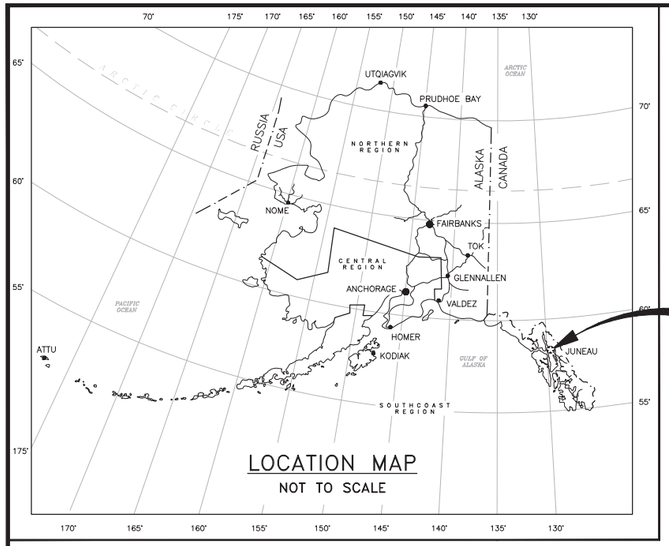


PROJECT LOCATION
M&O STATION
JUNEAU

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0093003/SFHWY00414	2024	A1	24
CDS ROUTE: 296000		MILEPOINT: 12.000 TO 12.114		
LATITUDE: 58° 23' 07"N		LONGITUDE: 134° 39' 30"W		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

0093003/SFHWY00414

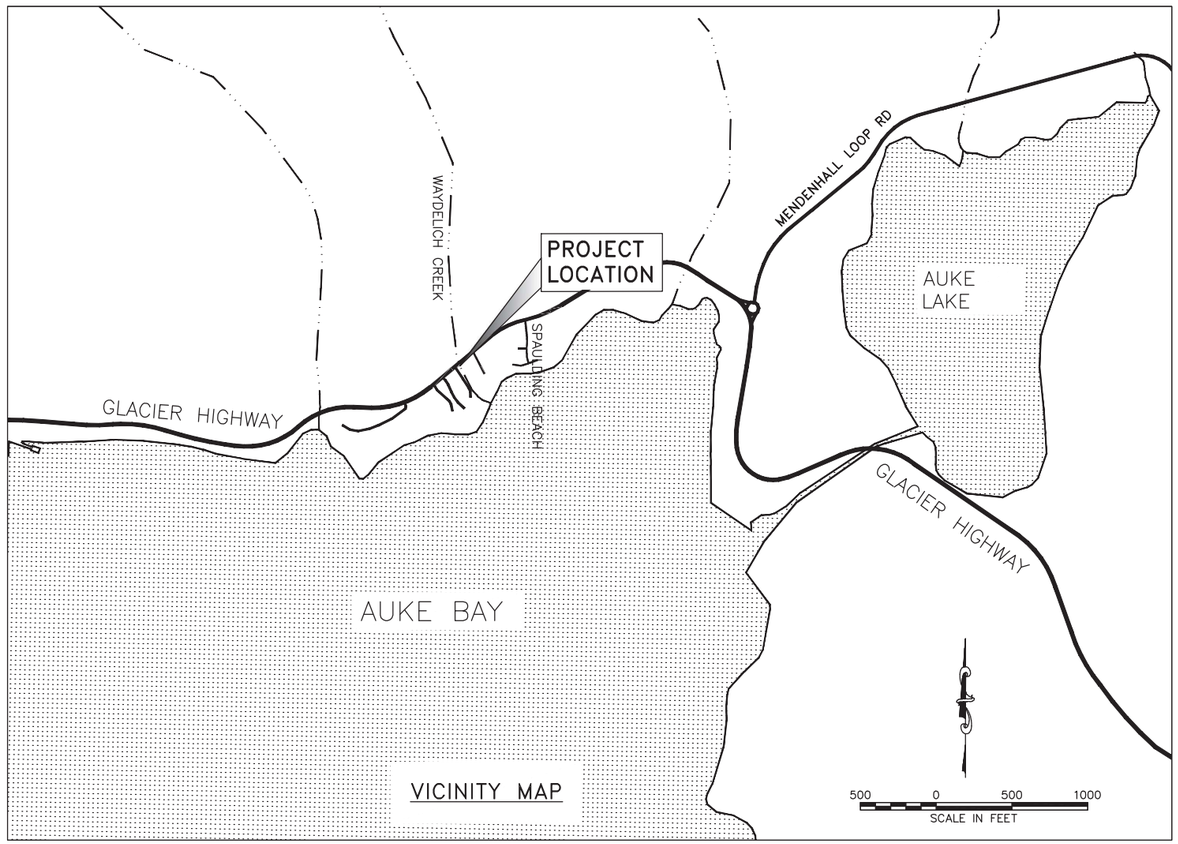
JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

FHWA FUNDING SOURCES: UPPER WALL (ER) & LOWER WALL (PM)

GRADING, DRAINAGE, PAVING, STRIPING, AND RETAINING WALL STABILIZATION

DESIGN DESIGNATIONS	
FUNCTIONAL CLASS:	PRINCIPAL ARTERIAL
ADT (2022)	7,500
ADT (2045)	8,363
DHV (2022)	833
DHV (2045)	928
PERCENT TRUCKS (T)	5.16%
DIRECTIONAL SPLIT (D)	35–65%
DESIGN SPEED (V)	35 MPH

PROJECT SUMMARY	
WIDTH OF PAVEMENT	8'
LENGTH OF PAVING	90'
LENGTH OF PROJECT	600'



Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

The undersigned hereby certifies that this duplicated document is an exact and true copy of the original.

October 4, 2024

As-Built Plans

Contractor: SECON
Project Engineer: Dillon Tomaro
Start Date of Physical Work: 3/27/25
End Date of Physical Work: 7/31/25

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

JOEL OSBURN, P.E., PROJECT MANAGER

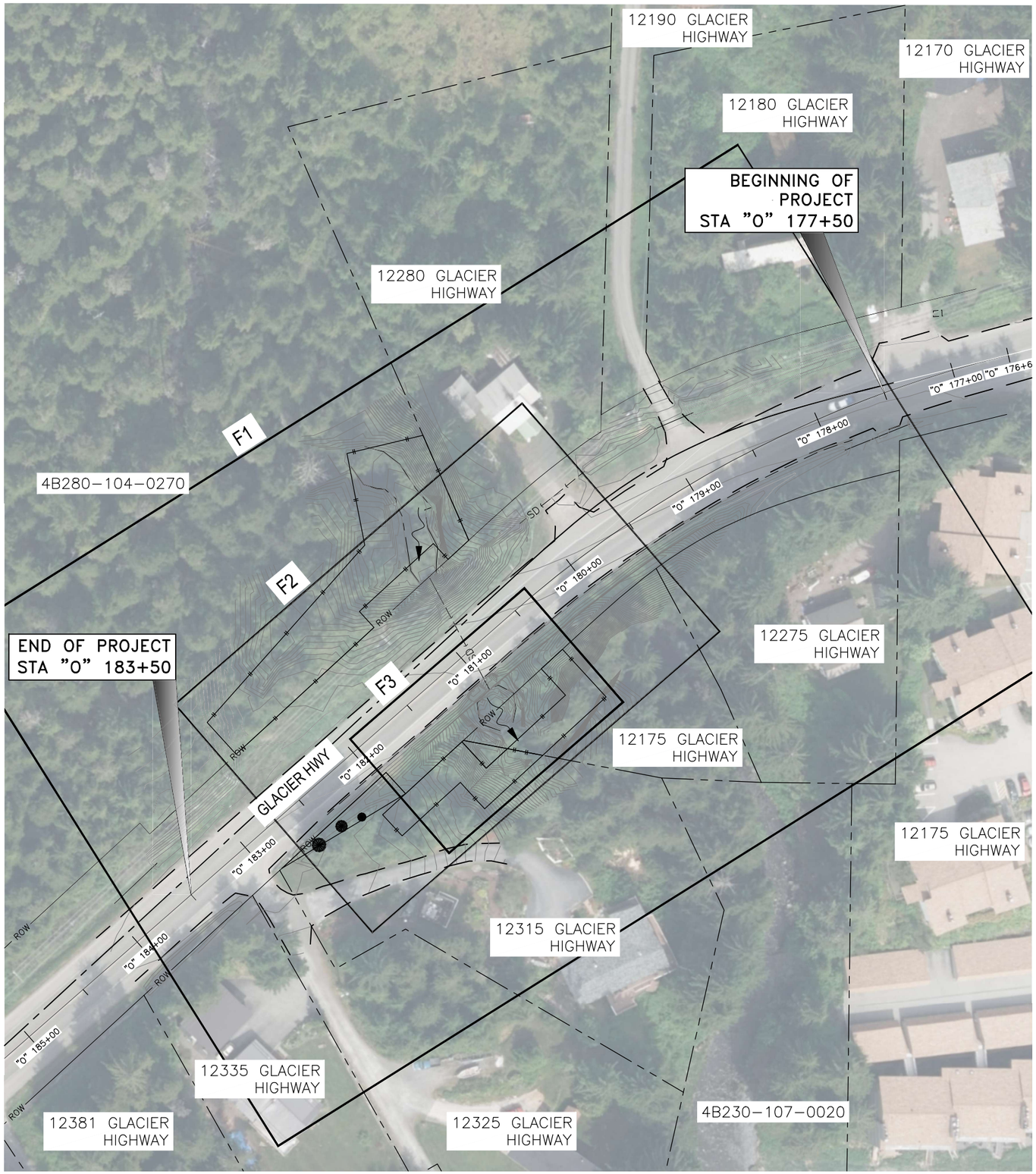
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPR DocuSigned by: 6/27/2024 DATE
CFE1F1F341494BA...
Kirk Miller, P.E.
Precor gion

ACCE DocuSigned by: 6/27/2024 DATE
2E12E08EB67041B...
Christopher Goins, P.E., C.M.
Regional Director, Southcoast Region

HWYS TITLE SHEET
C:\dowl_pw\d0401218\SA-GN-CV-A1-63330-04-A1 Fri, May/10/24 05:01pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	A2	24



ALIGNMENT DESIGNATIONS

ALIGNMENT NAME	ABBREVIATION	SHEET
GLACIER HIGHWAY CENTERLINE	"0"	F1-F3
FLUME DOWNDRAIN FLOW LINE	"F"	E2

INDEX OF SHEETS

THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THIS PROJECT:
C-06.00, D-01.02, D-04.22, D-06.10, G-00.05, G-05.11S, G-10.21, G-14.01, G-20.12, I-20.20, M-20.15, M-23.13, S-05.02

GENERAL NOTES:.

1. DO NOT MEASURE OFF OF THE PLANS.
2. ROW, PARCEL LINES, PERMANENT, AND TEMPORARY CONSTRUCTION EASEMENT LINES WERE PROVIDED BY DOT&PF.
3. MAKE ALL PAVEMENT CUTS CLEAN, VERTICAL, AND TRUE TO REMOVAL LIMITS SHOWN ON PLANS.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

40 0 40 80
SCALE IN FEET

STATE OF ALASKA 49TH
MICHAELLA KOZAK TINSLEY
CE 103455
5/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

SHEET LAYOUT AND INDEX

DATE	5/10/2024 14:45
LAYOUT	A2
DESIGNED	KOZAK TINSLEY
CHECKED	CHRISTIE
DRAFTED	KIM
FILE	C:\dowl_pw\d0401218\SA-GN-CV-A2-63330-04.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	A3	24

	RECOVERED	SET
BLM MONUMENT	✠	
GLO MONUMENT	✠	
USC&GS MONUMENT	▲	
PRIMARY MONUMENT	✠	✠
CENTERLINE MONUMENT IN CASING	⊕	⊕
PRIMARY R.O.W. MONUMENT	⊕	⊕
BEARING OBJECT	✳	
SECONDARY MONUMENT	◎	
LINE OF SIGHT MONUMENT		⊕
CONCRETE R.O.W. MONUMENT	■	
BENCHMARK		BM
REBAR AND CAP	⊙	⊙
REBAR	⊕	●
IRON PIPE	✺	
PK NAIL		▽
SPIKE		✕
HUB AND TACK		⊡
CONSTRUCTION CENTERLINE	5+00	
MISCELLANEOUS CENTERLINE	10+00	
STATION EQUATION	"L"48+97.23 POT BK= "O"48+97.23 PC AHD	
PROJECT RIGHT-OF-WAY/ PERMANENT EASEMENT		
EXISTING RIGHT-OF-WAY LINE	ROW	
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE	C/A	
UTILITY EASEMENT LINE	PUE	
TEMPORARY EASEMENT LINE (TCP OR TCE)		
ACCESS OR SECTION LINE EASEMENT	ACCESS EASEMENT	
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
TOWNSHIP & RANGE LINE	T. 2 N. / T. 1 N.	T. 1 E. / T. 2 E.

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)	SS	SS
FUEL LINE	O	O
GAS LINE	G	G
WATER LINE	W	W
METER, VALVE, FIRE HYDRANT	W	W
EXISTING STORM DRAIN (FLOW DIRECTION →)	SD	
PROPOSED STORM DRAIN		S-10, S-11, P-11, P-10, MH
FIBER OPTIC LINE		
DIRECT BURIAL TELEPHONE CABLE	T	T
DIRECT BURIAL ELECTRIC CABLE	E	E
ELECTRIC LINE (OVERHEAD)		
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT	T	T
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN OR DROP INLET		
MANHOLE	MH	MH
SANITARY SEWER CLEAN OUT		
RIPRAP (CLASS AS INDICATED ON THE PLANS)		
ASPHALT PAVEMENT		
AGGREGATE BASE COURSE		
BORROW		
CONCRETE (CLASS AS INDICATED ON THE PLANS)		
FILTER FABRIC		
GROUT MIX 1 OR 2		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
FENCE		
CURB AND GUTTER		
DETECTABLE WARNINGS		
GUARDRAIL		
CULVERT PIPE		
SIGN		
MAILBOX	MB	MB
RAILROAD TRACKS		
RAILROAD DEVICES	CROSS-BUCK, FLASHING LIGHT	CANTILEVER, SWITCH
TREE LINE		
WATER BOUNDARY		
ORDINARY HIGH WATER LINE		
FLOW CENTERLINE		
FLOW DIRECTION		
WETLANDS		
EXISTING BUILDINGS	H	H = HOUSE, G = GARAGE, M = MERCHANT/STORE, B = BARN, S = SHED, P = PRIVY, SS = SERVICE STATION, W = WAREHOUSE
POST OR BOLLARD		
WELL OR MONITORING WELL	W	
SEPTIC PIPE	S	SW
FUEL TANK FILL PIPE/VENT	P	
SATELLITE DISH	SAT. DISH	
TEST HOLE	TH	
CONIFER TREE		
DECIDUOUS TREE	BORROW	
GRAVE		
THERMOSIPHON		
PARKING METER		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		5
JUNCTION BOX, TYPE II		6
JUNCTION BOX, TYPE III		3
SIGNAL FACE, VEHICULAR	42	42
SIGNAL FACE, BACKPLATE	42	42
SIGNAL FACE, LEFT TURN, BACKPLATE	43	43
SIGNAL FACE, PEDESTRIAN		
LOOP DETECTOR	33	73
VIDEO DETECTOR	2	2
RADAR DETECTOR	4	4A
OPTICOM DETECTOR	1	1
PEDESTRIAN PUSH BUTTON	1	1
SIGNAL POST W/O MAST ARM		1
SIGNAL POLE W/MAST ARM		4
SIGNAL CONTROLLER		
LOAD CENTER		
LUMINAIRE		2
RIGID METAL CONDUIT		

ABBREVIATIONS:

AGG.	AGGREGATE
APPROX	APPROXIMATELY
BMP	BEST MANAGEMENT PRACTICE
BOP	BEGINNING OF PROJECT
B.W.	BOTTOM OF WALL
℄	CENTERLINE
CLSM	CONTROLLED LOW-STRENGTH MATERIAL
CMP	CORRUGATED METAL PIPE
CY	CUBIC YARD
DIP	DUCTILE IRON PIPE
E	EAST, EASTING
ELEV	ELEVATION
EOP	END OF PROJECT
ESCP	EROSION SEDIMENT CONTROL PLAN
FT '	FOOT, FEET
H	HORIZONTAL
IE	INVERT ELEVATION
IN "	INCH, INCHES
L	LENGTH OF CURVE
LCL	LEFT OF CENTERLINE
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX	MAXIMUM
MIN	MINIMUM
MSE	MECHANICALLY STABILIZED EARTH
N	NORTH, NORTHING
NO.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
PC	POINT OF CURVATURE
POT	POINT ON TANGENT
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RCL	RIGHT OF CENTERLINE
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
SF	SQUARE FOOT
SY	SQUARE YARD
STA	STATION
T	TANGENT
TBD	TO BE DECIDED
TCE	TEMPORARY CONSTRUCTION EASEMENT
T.O.C.	TOP OF CONCRETE
TS	TUBE STEEL
TYP	TYPICAL
V	VERTICAL
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WEST
WWR	WELDED WIRE REINFORCEMENT
Ø	DIAMETER

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

STATE OF ALASKA
49 TH
MICHAELLA KOZAK TINSLEY
CE 103455
5/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

LEGEND, SYMBOLS, AND ABBREVIATIONS

FILE | c:\dowl_pw\d0401218\SA-GN-CV-A3-63330-04.dwg | DATE | 5/10/2024 15:46 | LAYOUT | A3 | DESIGNED | KOZAK TINSLEY | CHECKED | CHRISTIE | DRAFTED | KIM

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DATE	5/10/2024 11:41
LAYOUT	A2
DESIGNED	J.Papoi
CHECKED	H.Pedersen
DRAFTED	J.Papoi

MONUMENT NOTES:

1. IF ANY PAIR OF CONTROL POINTS DISAGREES FROM PUBLISHED VALUE BY MORE THAN 1:10,000 HORIZONTALLY OR VERTICALLY THEN A THIRD NETWORK POINT MUST BE TIED TO ASCERTAIN WHICH POINT IS IN ERROR OR HAS BEEN DISTURBED.

2. WHETHER LISTED OR NOT, ALL PROPERTY MONUMENTS, PROPERTY MARKERS, CORNERS OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED SHALL BE REFERENCED PRIOR TO BEING DISTURBED, AND RE-ESTABLISHED IN THEIR ORIGINAL HORIZONTAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH (A.S.34.65.040) AND (A.S.19.10.260) SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING. COORDINATE VALUES LISTED ARE FOR INFORMATIONAL PURPOSES AND SHOULD BE USED TO RESET MONUMENTS ONLY AS A LAST RESORT.

3.WHEN POSSIBLE ALL ORIGINAL PRIMARY MONUMENTS SHALL BE SAVED AND RESET IN THEIR ORIGINAL HORIZONTAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH (A.S.34.65.040) AND (A.S.19.10.260) SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING.

4. RIGHT OF WAY LOCATION IS SHOWN FOR GRAPHICAL ORIENTATION PURPOSES ONLY. REFER TO ALASKA DOT&PF RIGHT OF WAY MAPS FOR RIGHT OF WAY INFORMATION.

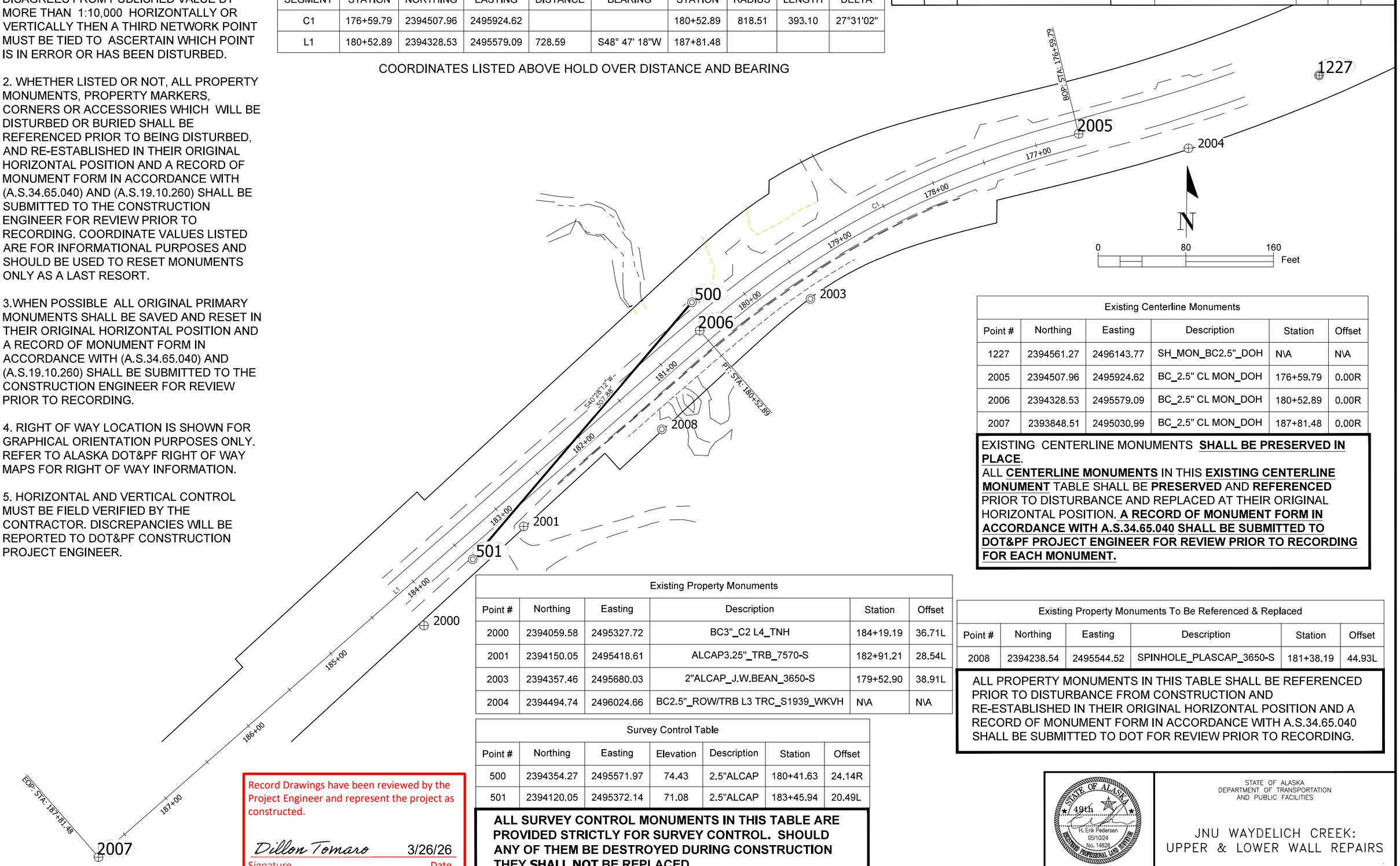
5. HORIZONTAL AND VERTICAL CONTROL MUST BE FIELD VERIFIED BY THE CONTRACTOR. DISCREPANCIES WILL BE REPORTED TO DOT&PF CONSTRUCTION PROJECT ENGINEER.

WAYDELICH CREEK DESIGN ALIGNMENT									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
C1	176+59.79	2394507.96	2495924.62			180+52.89	818.51	393.10	27°31'02"
L1	180+52.89	2394328.53	2495579.09	728.59	S48° 47' 18"W	187+81.48			

COORDINATES LISTED ABOVE HOLD OVER DISTANCE AND BEARING

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0093003/SFHWY00414	2024	A4	24



Existing Centerline Monuments					
Point #	Northing	Easting	Description	Station	Offset
1227	2394561.27	2496143.77	SH_MON_BC2.5"_DOH	N\A	N\A
2005	2394507.96	2495924.62	BC_2.5" CL MON_DOH	176+59.79	0.00R
2006	2394328.53	2495579.09	BC_2.5" CL MON_DOH	180+52.89	0.00R
2007	2393848.51	2495030.99	BC_2.5" CL MON_DOH	187+81.48	0.00R

EXISTING CENTERLINE MONUMENTS **SHALL BE PRESERVED IN PLACE**.
ALL **CENTERLINE MONUMENTS** IN THIS **EXISTING CENTERLINE MONUMENT** TABLE SHALL BE **PRESERVED** AND **REFERENCED** PRIOR TO DISTURBANCE AND REPLACED AT THEIR ORIGINAL HORIZONTAL POSITION. **A RECORD OF MONUMENT FORM IN ACCORDANCE WITH A.S.34.65.040 SHALL BE SUBMITTED TO DOT&PF PROJECT ENGINEER FOR REVIEW PRIOR TO RECORDING FOR EACH MONUMENT.**

Existing Property Monuments					
Point #	Northing	Easting	Description	Station	Offset
2000	2394059.58	2495327.72	BC3"_C2 L4_TNH	184+19.19	36.71L
2001	2394150.05	2495418.61	ALCAP3.25"_TRB_7570-S	182+91.21	28.54L
2003	2394357.46	2495680.03	2"ALCAP_J.W.BEAN_3650-S	179+52.90	38.91L
2004	2394494.74	2496024.66	BC2.5"_ROW/TRB L3 TRC_S1939_WKVH	N\A	N\A

Existing Property Monuments To Be Referenced & Replaced					
Point #	Northing	Easting	Description	Station	Offset
2008	2394238.54	2495544.52	SPINHOLE_PLASCAP_3650-S	181+38.19	44.93L

ALL PROPERTY MONUMENTS IN THIS TABLE SHALL BE REFERENCED PRIOR TO DISTURBANCE FROM CONSTRUCTION AND RE-ESTABLISHED IN THEIR ORIGINAL HORIZONTAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH A.S.34.65.040 SHALL BE SUBMITTED TO DOT FOR REVIEW PRIOR TO RECORDING.

Survey Control Table						
Point #	Northing	Easting	Elevation	Description	Station	Offset
500	2394354.27	2495571.97	74.43	2.5"ALCAP	180+41.63	24.14R
501	2394120.05	2495372.14	71.08	2.5"ALCAP	183+45.94	20.49L

ALL SURVEY CONTROL MONUMENTS IN THIS TABLE ARE PROVIDED STRICTLY FOR SURVEY CONTROL. SHOULD ANY OF THEM BE DESTROYED DURING CONSTRUCTION THEY SHALL NOT BE REPLACED.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

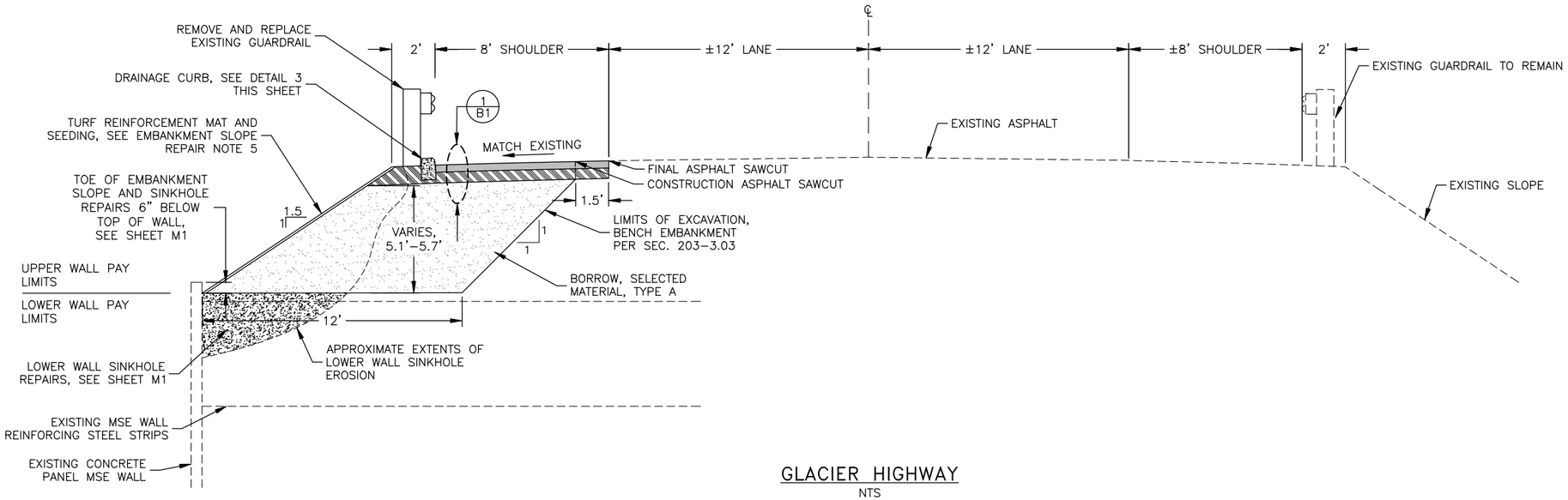
STATE OF ALASKA
★ 49th ★
H. Erik Pedersen
05/10/24
No. 14828
PROFESSIONAL LAND SURVEYOR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

SURVEY CONTROL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	B1	24



GLACIER HIGHWAY

NTS

STA "O" 180+54 TO STA "O" 181+44

GENERAL NOTES:

1. COMPLETE LOWER WALL WORK BEFORE BEGINNING UPPER WALL WORK.
2. DO NOT DISTURB MSE WALL REINFORCEMENT DURING GUARDRAIL INSTALLATION. CONTRACTOR SHALL MAP OUT AS–BUILT LOCATIONS OF MSE WALL REINFORCING STRIPS ON THE SURFACE PRIOR TO DRIVING GUARDRAIL POSTS.
3. MATCH EXISTING ROAD CROSS–SLOPES.
4. REFERENCE ALASKA STANDARD PLAN C–6.00 FOR ROADSIDE SAFETY TREATMENT FOR WORK ZONE REQUIREMENTS.

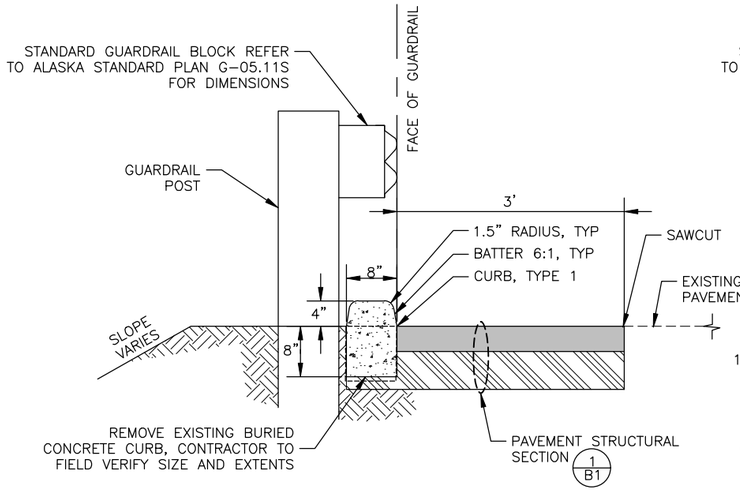
UPPER WALL EMBANKMENT SLOPE REPAIR NOTES:

1. REPAIR LOWER WALL SINKHOLES AS SHOWN IN DETAIL 3–M1.
2. EXCAVATE DAMAGED EMBANKMENT SLOPE.
3. PLACE SELECTED MATERIAL ACCORDING TO SECTION 203–3.03 AND COMPACTED PER SECTION 203–3.05 AS MODIFIED.
4. HAND–OPERATED COMPACTION EQUIPMENT SHALL BE USED WITHIN 3 FEET OF THE WALL PANELS.
5. MATCH EXISTING SLOPES AT THE EDGE OF THE REPAIR.
6. PLACE TURF REINFORCEMENT MAT AND SEEDING ONCE SLOPE REPAIRS HAVE BEEN COMPLETED.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

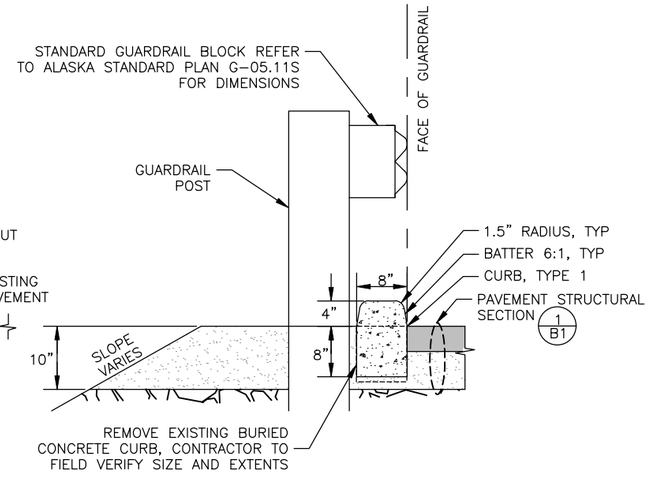


2 B1 DRAINAGE CURB UNDER GUARDRAIL

SCALE: NTS

STA "O" 178+94 TO 180+54 LT

STA "O" 181+44 TO 181+85 LT



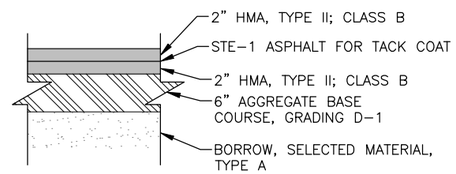
3 B1 DRAINAGE CURB UNDER GUARDRAIL AT SHOULDER REPAVE

SCALE: NTS

STA "O" 180+54 TO 181+44

DRAINAGE CURB NOTES:

1. CONSTRUCT DRAINAGE CURBS, TYPE 1 USING CLASS B CONCRETE.
2. FOR DRAINAGE CURBS CONSTRUCT CURB EXPANSION JOINTS AT A 200' MAXIMUM SPACING.



1 B1 PAVEMENT STRUCTURAL SECTION NO. 1

SCALE: NOT TO SCALE

STATE OF ALASKA
49 TH
MICHAELLA KOZAK TINSLEY
CE 103455
5/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK:
UPPER & LOWER WALL REPAIRS

TYPICAL SECTIONS:
UPPER WALL

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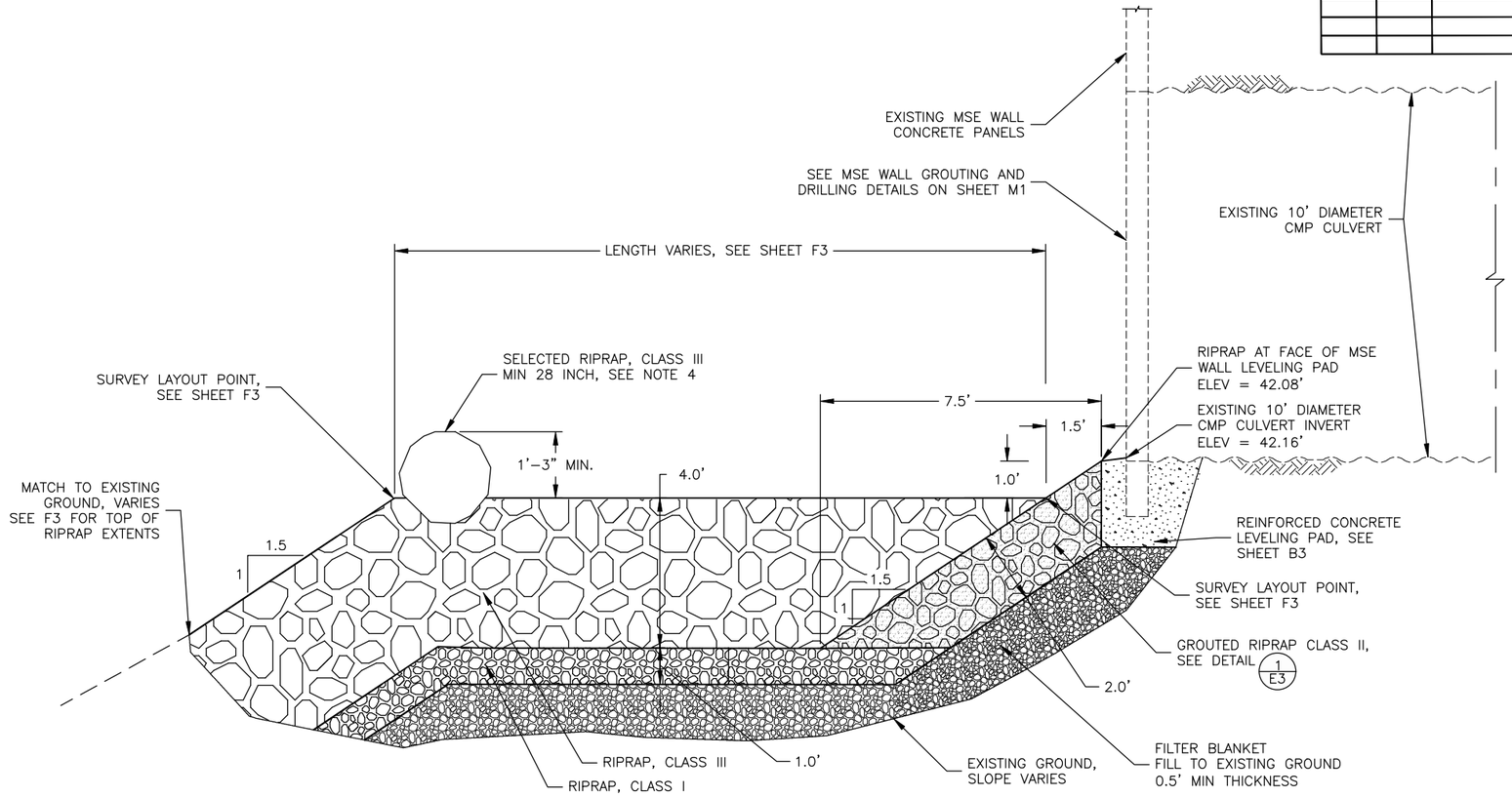
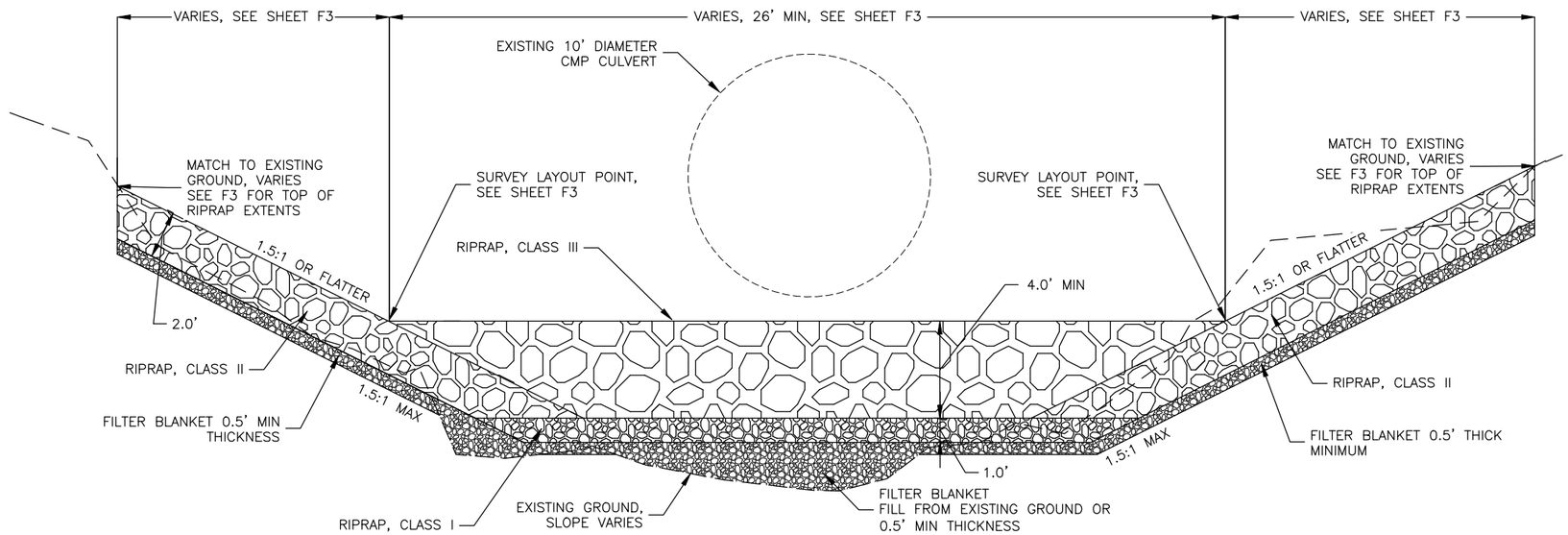
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	B2	24



1/F3 RIPRAP OUTLET PROTECTION SECTION
NTS



2/F3 RIPRAP OUTLET PROTECTION SECTION
NTS

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

NOTES:

1. SEE SHEET F2 AND F3 FOR SECTION LOCATION AND TOP OF RIPRAP EXTENTS STATION, OFFSET AND ELEVATIONS.
2. RIPRAP OUTLET PROTECTION TO BE CONSTRUCTED AFTER THE STREAM DIVERSION/BYPASS IS IN PLACE AND OPERATING.
3. PRESENCE AND DEPTH OF BEDROCK IS UNKNOWN AT THE CULVERT OUTLET. CONTRACTOR SHALL REMOVE EXISTING CHANNEL MATERIAL AS SHOWN OR TO THE EXISTING BEDROCK SURFACE. FILTER BLANKET SHALL NOT BE PLACED ON TOP OF BEDROCK SURFACES.
4. SELECTED RIPRAP CLASS III, WILL CONSIST OF INDIVIDUAL ROCKS WITH A MINIMUM SIZE OF 28 INCHES. PLACE SELECTED RIPRAP CLASS III ROCKS ON TOP OF OUTLET PROTECTION WITH 2-8 INCH SPACING. EMBED INDIVIDUAL ROCKS A MINIMUM OF 8 INCHES BELOW TOP OF OUTLET PROTECTION. CONTRACTOR SHALL ACQUIRE ENGINEERS APPROVAL OF SELECTED RIPRAP, CLASS III MATERIAL AND PLACEMENT.

STATE OF ALASKA 49TH
Bradley M. Melocik
CE-11098
05/10/2024
REGISTERED PROFESSIONAL ENGINEER

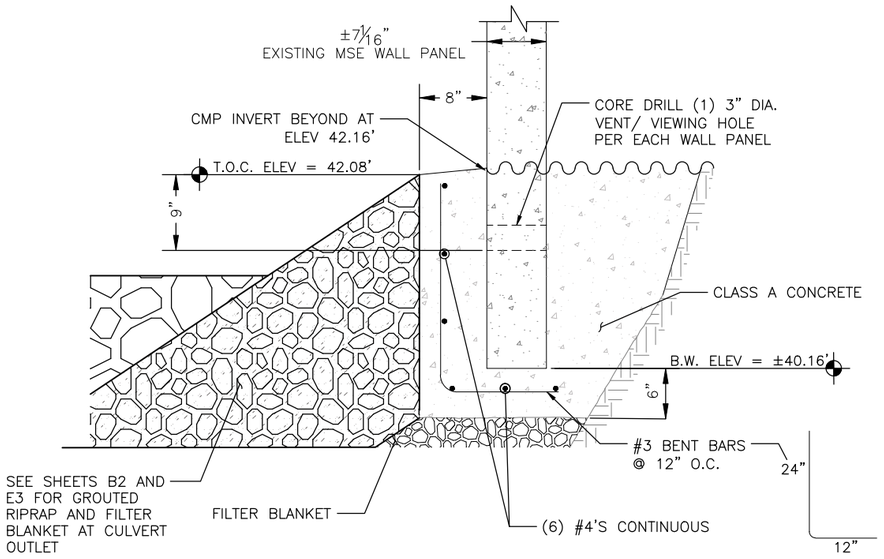
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

TYPICAL SECTIONS: LOWER WALL STORM DRAINAGE

DATE	5/10/2024 15:43
LAYOUT	B2
DESIGNED	KOZAK TINSLEY
CHECKED	CHRISTIE
DRAFTED	KIM
FILE	c:\dowl_pw\d0401218\SA-CT-DT-B-63330-04.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	B3	24



NOTES:

1. LOWER WALL LEVELING PAD REPAIR SEQUENCE:

   a) DEMOLISH SEGMENTS OF THE REMAINING (~7.5 LINEAL FEET) LEVELING PAD VISIBLE UNDER THE FULLY EXPOSED WALL PANELS AND WHERE POSSIBLE LEAVE A SEGMENT HAVING A LENGTH OF NO LESS THAN 0.5 FEET TO SERVE AS A SHIM. WHERE THE LEVELING PAD NO LONGER EXISTS, INSERT A SHIM, SUCH AS A CONCRETE DOBIE, TO VERTICALLY SUPPORT THE WALL DURING EXCAVATION, FORM CONSTRUCTION, REBAR PLACEMENT AND CORE DRILLING ACTIVITIES. EXERCISE CARE TO AVOID DISTURBING AND OR DAMAGING THE MSE WALL PANELS IN THE VICINITY OF THE LEVELING PAD WORK AND ABOVE.

   b) PLACE AND COMPACT FILTER BLANKET MATERIAL UP TO ELEVATION 39.66'.

   c) THE SURFACE OF THE WALL PANELS AND HEADWALL IS TO BE SCANNED WITH A FERROMAGNETIC REBAR LOCATOR FOR MARKING THE LOCATION OF THE REINFORCING STEEL. CUTTING OF REINFORCING STEEL IS PROHIBITED. CORE DRILL 3–INCH DIAMETER VENT/OBSERVATION HOLES IN THE CENTER OF THE MSE WALL PANELS AND CMP HEADWALL AS SHOWN IN THE ATTACHED CROSS–SECTION FOR A TOTAL OF SEVEN (7) HOLES.

   d) REMOVE LOOSE DEBRIS AND MINOR EXCAVATION AT THE BASE OF THE WALL TO FACILITATE CONSTRUCTION OF NEW LEVELING PAD.

   e) INSTALL STEEL REINFORCEMENT AS SHOWN.

   f) FORM AND POUR NEW CONCRETE LEVELING PAD USING CLASS A CONCRETE UP TO THE CULVERT INVERT AS SHOWN. IT IS ANTICIPATED THAT A HIGH–RANGE WATER REDUCING ADMIXTURE WILL BE ADDED TO THE READY–MIX CONCRETE AT THE JOBSITE TO ACHIEVE MAXIMUM WORKABILITY WITH NO MORE THAN A 9–INCH SLUMP AT THE POINT OF DISCHARGE. PLACE CONCRETE AT THE BASE OF WALL AS SHOWN, VIBRATE CONCRETE DURING PLACEMENT TO ENSURE CONCRETE COMPLETELY FILLS THE VOID UNDERNEATH AND IMMEDIATELY BEHIND THE WALL PANELS AND CMP HEADWALL. FORMWORK FOR THE NEW LEVELING PAD IS TO BE SEALED AT THE BASE AND ALONG ITS ENTIRE LENGTH TO PREVENT DISCHARGING WET CONCRETE INTO THE STREAM CHANNEL BELOW THE WORK.

   g) FILL SCOUR HOLE AS SHOWN ON SHEETS F2 AND B2.

   h) VOIDS BEHIND THE MSE WALL PANELS ABOVE THE NEW LEVELING PAD ARE TO BE GROUTED AS DETAILED ON SHEET M1.

LOWER WALL LEVELING PAD REPAIR
NTS
STA "O" 180+76.18 TO STA 181+18.24

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

STATE OF ALASKA
49TH
MATTHEW J. METTLER
No. SE 13920
05/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK:
UPPER & LOWER WALL REPAIRS

TYPICAL SECTIONS:
LOWER WALL LEVELING PAD REPAIR

FILE | c:\dowl_pw\d0401218\SA-CT-DT-B-63330-04.dwg
DATE | 5/10/2024 15:43
LAYOUT | B3
DESIGNED | KOZAK TINSLEY
CHECKED | CHRISTIE
DRAFTED | KIM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	C1	24

*See Sheet C1.1 for As-Built Quantities

ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	PAY UNIT	UPPER WALL (T02015) QUANTITY	LOWER WALL (T02A15) QUANTITY	QUANTITY TOTAL
201.0009.0000	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	147		147
202.0012.0000	DOUBLE MAILBOX INSTALLATION	EACH	1		1
202.0022.0000	REMOVAL OF DOUBLE MAILBOX	EACH	1		1
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	175	147	322
203.0005.000A	BORROW, TYPE A	CUBIC YARD	200		200
205.0005.0000	CONTROLLED LOW-STRENGTH MATERIAL	CUBIC YARD		10	10
206.0001.0000	FILTER BLANKET	CUBIC YARD	6	60	66
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	60	17	77
401.0001.002B	HMA, TYPE II; CLASS B	TON	43		43
501.0004.0000	CLASS A CONCRETE	CUBIC YARD		13	13
503.0002.0000	EPOXY-COATED REINFORCING STEEL	LUMP SUM		ALL REQUIRED	ALL REQUIRED
511.0001.0001	MECHANICALLY STABILIZED EARTH WALL REPAIR GROUTING PROGRAM	LUMP SUM		ALL REQUIRED	ALL REQUIRED
511.2004.0000	MECHANICALLY STABILIZED EARTH WALL GROUT	CY		45	45
550.0003.0000	CLASS B CONCRETE	CUBIC YARD		10	10
603.0001.0018	CSP 18 INCH	LINEAR FOOT	20		20
603.0003.0018	END SECTION FOR CSP 18 INCH	EACH	1		1
606.0001.0000	W-BEAM GUARDRAIL	LINEAR FOOT	355		355
606.0006.0000	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	514		514
606.0013.0000	PARALLEL GUARDRAIL TERMINAL	EACH	2		2
609.0001.0001	CURB, TYPE 1, DRAINAGE CURB	LINEAR FEET	291		291
611.0001.0001	RIPRAP, CLASS I	CUBIC YARD	17	20	37
611.0001.0002	RIPRAP, CLASS II	CUBIC YARD		128	128
611.0001.0003	RIPRAP, CLASS III	CUBIC YARD		92	92
615.0002.0000	REMOVE AND RELOCATE SIGN	EACH	2		2
618.0004.0000	SEEDING	SQUARE YARD	110	25	135
619.2002.0000	TURF REINFORCEMENT MAT	SQUARE YARD	110	25	135
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.0007.0000	REPLACE EXISTING WITH SECONDARY MONUMENT	EACH	1		1
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED

ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	PAY UNIT	UPPER WALL (T02015) QUANTITY	LOWER WALL (T02A15) QUANTITY	QUANTITY TOTAL
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0025.0000	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
658.0001.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL WITHOUT CGP COVERAGE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
658.0002.0000	ESCP CHANGES BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
670.0001.0000	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED		ALL REQUIRED
671.2005.0000	STREAM DIVERSION AND DEWATERING	LUMP SUM		ALL REQUIRED	ALL REQUIRED

QUANTITY ASSUMPTIONS - 401.0001.002B HMA, TYPE II; CLASS B

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY	REMARKS
401.0001.002B	HMA, TYPE II; CLASS B	TON	43	SEE SHEET D1 FOR QUANTITIES
	ASPHALT BINDER, GRADE PG 58-28E	TON	2.28	FROM STA "0" 177+82 TO STA "0"182+85
	STE-1 ASPHALT FOR TACK COAT	TON	0.0780	FROM STA "0" 177+82 TO STA "0"182+85

BASIS OF ESTIMATE

ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	1.94 TON/CY
401.0001.002B	HMA, TYPE II; CLASS B	113 LBS/SY/IN
401.0001.002B	ASPHALT BINDER, GRADE PG 58-28E	5.3% OF ITEM 401.0001.002B
401.0001.002B	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY; 243 GAL/TON
618.0004.0000	SEEDING	0.0135 LB/SY

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

STATE OF ALASKA 49TH MICHAELLA KOZAK TINSLEY CE 103455 5/10/2024 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK:
UPPER & LOWER WALL REPAIRS

ESTIMATE OF QUANTITIES

DESIGNED KOZAK TINSLEY | DRAFTED KIM | CHECKED CHRISTIE | LAYOUT C1 | DATE 5/11/2024 11:28 | FILE C:\dowl_pw\d0401218\SC-CT-DT-C-63330-04.dwg

*This sheet is added for As-Built purposes and is informational in nature

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0093003/SFHWY00414	2024	C1.1	

AS BUILT QUANTITIES - ORIGINAL ITEMS

ITEM NO.	PAY ITEM	PAY UNIT	UPPER WALL (T02015) QUANTITY	LOWER WALL (T02A15) QUANTITY	QUANTITY TOTAL	Remarks
201.0009.0000	Clearing and Grubbing	LS	All Req'd	All Req'd	All Req'd	
202.0001.0000	Removal of Structures and Obstructions	LS	All Req'd	All Req'd	All Req'd	
202.0002.0000	Removal of Pavement	SY	154.40	0.00	154.400	
202.0012.0000	Double Mail Box Installation	EACH	1.00	1.00	1.00	
202.0022.0000	Removal of Double Mail Box	EACH	1.00	1.00	1.00	
203.0003.0000	Unclassified Excavation	CY	221.60	105.04	326.64	
203.0005.000A	Borrow, Type A	CY	205.44	0.00	205.44	
205.0005.0000	Controlled Low-Strength Material	CY	0.00	8.00	8.00	
~~206.0001.0000~~	~~Filter Blanket~~	~~CY~~	~~0.00~~	~~0.00~~	~~0.00~~	Item deleted via CO-9
301.0001.00D1	Aggregate Base Course, Grading D-1	TON	65.86	20.86	86.72	
401.0001.002B	HMA, Type II; Class B	TON	48.76	0.00	48.76	
501.0004.0000	Class A Concrete	CY	0.00	15.00	15.00	
503.0002.0000	Epoxy-Coated Reinforcing Steel	LS	All Req'd	All Req'd	All Req'd	
511.0001.0001	Mechanically Stabilized Earth Wall	LS	All Req'd	All Req'd	All Req'd	
511.2004.0000	Mechanically Stabilized Earth Wall Grout	CY	0.00	4.61	4.61	
550.0003.0000	Class B Concrete	CY	0.00	5.00	5.00	
603.0001.0018	CSP 18 Inch	LF	20.00	0.00	20.00	
603.0003.0018	End Section for CSP 18 Inch	EACH	1.00	0.00	1.00	
606.0001.0000	W-Beam Guardrail	LF	358.50	0.00	358.50	
606.0006.0000	Removing and Disposing of Guardrail	LF	514.00	0.00	514.00	
606.0013.0000	Parallel Guardrail Terminal	EACH	2.00	0.00	2.00	
609.0001.0001	Curb, Type 1	LF	291.00	0.00	291.00	
611.0001.0001	Riprap, Class I	CY	17.36	16.76	34.12	
611.0001.0002	Riprap, Class II	CY	0.00	64.78	64.78	
611.0001.0003	Riprap, Class III	CY	0.00	0.00	0.00	All Riprap, Class III was salvaged and reused
615.0002.0000	Remove and Relocate Sign	EACH	2.00	0.00	2.00	
~~618.0004.0000~~	~~Seeding~~	~~SY~~	~~0.00~~	~~0.00~~	~~0.00~~	Item deleted via CO-8
619.2002.0000	Turf Reinforcement Mat	SY	30.00	12.00	42.00	
640.0001.0000	Mobilization and Demobilization	LS	All Req'd	All Req'd	All Req'd	
642.0001.0000	Construction Surveying	LS	All Req'd	All Req'd	All Req'd	
642.0007.0000	Replace Existing with Secondary Monument	EACH	1.00	1.00	1.00	
643.0002.0000	Traffic Maintenance	LS	All Req'd	All Req'd	All Req'd	
643.0023.0000	Traffic Price Adjustment	CS	0.00	0.00	0.00	
643.0025.0000	Traffic Control	CS	$ 31,211.10	$ 15,157.70	$ 46,368.80	
658.0001.0000	Erosion, Sediment, and Pollution Control Without CGP Coverage	LS	All Req'd	All Req'd	All Req'd	
658.0002.0000	ESCP Changes by Directive	CS	0.00	0.00	0.00	
~~670.0001.0000~~	~~Painted Traffic Markings~~	~~LS~~	~~0.00~~	~~0.00~~	~~0.00~~	Item deleted via CO-7
671.2005.0000	Stream Diversion and Dewatering	LS	All Req'd	All Req'd	All Req'd	

AS BUILT QUANTITIES - NEW ITEMS

ITEM NO.	PAY ITEM	PAY UNIT	UPPER WALL (T02015) QUANTITY	LOWER WALL (T02A15) QUANTITY	QUANTITY TOTAL	Remarks
511.2004.0000	Mechanically Stabilized Earth Wall Grout - VOID. NOT USED.	CY	0.00	0.00	0.00	Added Via CO-4
618.0004.0000	Seeding - Reduced Price UW	SY	110.70	0.00	110.70	Added Via CO-8
618.0004.0000	Seeding - Reduced Price LW	SY	0.00	25.00	25.00	Added Via CO-8
206.0001.0000	Filter Blanket - Reduced Price UW	CY	5.78	0.00	5.78	Added Via CO-9
206.0001.0000	Filter Blanket - Reduced Price LW	CY	0.00	35.05	35.05	Added Via CO-9
698.2000.0000	Negotiated Adjustment - MSE Wall Grout Equitable Adjustment/Differing Site Condition	LS	All Req'd	All Req'd	All Req'd	Added Via CO-10

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	D1	24

201.0009.0000 CLEARING AND GRUBBING

SHEET	START STATION	END STATION	OFFSET	AREA (ACRE)	REMARKS
F1	"0" 180+54	"0" 183+80	LT	0.24	EMBANKMENT REPAIR, FLUME, GUARDRAIL WIDENING
			TOTAL:	0.24	
			PAY ITEM QUANTITY:	ALL REQUIRED	LUMP SUM

202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

SHEET	START STATION	END STATION	OFFSET	REMARKS
F1	"0" 177+83	"0" 182+45	LT	EXISTING CONCRETE CURB
F2	"0" 180+63	"0" 180+87	RT	EXISTING CULVERT HEADWALL
F2	"0" 180+89	"0" 181+11	LT	EXISTING MSE WALL CONCRETE LEVELING PAD
			TOTAL:	ALL REQUIRED
			PAY ITEM QUANTITY:	ALL REQUIRED

202.0002.0000 REMOVAL OF PAVEMENT

SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	80	
	"0" 178+94	"0" 180+54	LT	53	
	"0" 181+44	"0"181+85	LT	14	
			TOTAL:	147	SY
			PAY ITEM QUANTITY:	147	SY

202.0012.0000 DOUBLE MAILBOX INSTALLATION

SHEET	START STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	"0" 182+82	23.1' LT	1	
		TOTAL:	1	EACH
		PAY ITEM QUANTITY:	1	EACH

202.0022.0000 REMOVAL OF DOUBLE MAILBOX

SHEET	START STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	"0" 182+82	23.1' LT	1	
		TOTAL:	1	EACH
		PAY ITEM QUANTITY:	1	EACH

203.0003.0000 UNCLASSIFIED EXCAVATION

SHEET	START STATION	END STATION	OFFSET	VOLUME (CY)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	175	UPPER
F2-F3	"0" 180+65	"0" 181+29	LT	147	LOWER
			TOTAL:	322	CY
			PAY ITEM QUANTITY:	322	CY

203.0005.000A BORROW, TYPE A

SHEET	START STATION	END STATION	OFFSET	VOLUME (CY)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	190	
F1	"0" 178+00	-	LT	6	GUARDRAIL WIDENING
F1	"0" 182+75	-	LT	4	GUARDRAIL WIDENING
			TOTAL:	200	CY
			PAY ITEM QUANTITY:	200	CY

205.0005.0000 CONTROLLED LOW-STRENGTH MATERIAL

SHEET	START STATION	END STATION	OFFSET	VOLUME (CY)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	10	
			TOTAL:	10	CY
			PAY ITEM QUANTITY:	10	CY

206.0001.0000 FILTER BLANKET

SHEET	START STATION	END STATION	OFFSET	VOLUME (CY)	REMARKS
F1	"0" 181+88.61	"0" 181+29.42	LT	6	FLUME DOWNDRAIN
F3	"0" 180+73	"0" 181+29	LT	60	LOWER WALL, UNDER PAD
			TOTAL:	66	CY
			PAY ITEM QUANTITY:	66	CY

301.0001.00D1 AGGREGATE BASE COURSE, GRADING D-1

SHEET	START STATION	END STATION	OFFSET	WEIGHT (TON)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	26	SHOULDER REPAVE
F1	"0" 178+00	-	LT	6	GUARDRAIL TERMINAL WIDENING
F1	"0" 182+72	-	LT	6	GUADRAIL TERMINAL WIDENING
F1	"0" 178+94	"0" 180+54	LT	17	SAWCUT
F1	"0" 178+94	"0" 181+54	LT	1	DRAINAGE CURB
F1	"0" 181+44	"0" 181+85	LT	4	SAWCUT
F1	"0" 181+44	"0" 181+85	LT	0.3	DRAINAGE CURB
F2	"0" 181+00	-	LT	17	UPPER COLLAR/TOE/CROWN
			TOTAL:	77.3	TON
			PAY ITEM QUANTITY:	77	TON

401.0001.002B HMA, TYPE II; CLASS B

SHEET	START STATION	END STATION	OFFSET	WEIGHT (TON)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	18	
F1	"0" 178+94	"0" 180+54	LT	12	DRAINAGE CURB SAWCUT
F1	"0" 178+00	-	LT	5	GUARDRAIL TERMINAL WIDENING
F1	"0" 181+44	"0" 181+85	LT	3	DRAINAGE CURB SAWCUT
F1	"0" 182+75	-	LT	5	GUARDRAIL TERMINAL WIDENING
			TOTAL:	43	TON
			PAY ITEM QUANTITY:	43	TON

501.0004.0000 CONCRETE, CLASS A

SHEET	START STATION	END STATION	OFFSET	VOLUME (CY)	REMARKS
F1	"0" 180+63	"0" 180+87	RT	7	INLET
F2	"0" 180+76	"0" 181+18	LT	6	OUTLET
			TOTAL:	13	CY
			PAY ITEM QUANTITY:	13	CY

503.0002.0000 EPOXY-COATED REINFORCING STEEL

SHEET	START STATION	END STATION	OFFSET	WEIGHT (LB)	REMARKS
F2	"0" 180+63	"0" 180+87	RT	528	
F2	"0" 180+72	"0" 181+12	LT	202	
			TOTAL:	730	LB
			PAY ITEM QUANTITY:	ALL REQUIRED	LUMP SUM

511.2004.0000 MECHANICALLY STABILIZED EARTH WALL GROUT

SHEET	START STATION	END STATION	VOLUME (CY)	REMARKS
F2	"0" 180+54	"0" 181+44	45	
		TOTAL:	45	CY
		PAY ITEM QUANTITY:	45	CY

550.0003.0000 CLASS B CONCRETE

SHEET	START STATION	END STATION	VOLUME (CY)	REMARKS
F3	"0" 180+72	"0" 181+14	10	
		TOTAL:	10	CY
		PAY ITEM QUANTITY:	10	CY

603.0001.0018 CSP 18 INCH

SHEET	START STATION	END STATION	OFFSET	LENGTH (LF)	REMARKS
F1	"0" 177+87	"0" 178+07	LT	20	GUARDRAIL TERMINAL WIDENING
			TOTAL:	20	LF
			PAY ITEM QUANTITY:	20	LF

603.0003.0018 END SECTION FOR CSP 18 INCH

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	"0" 177+78	LT	1	GUARDRAIL TERMINAL WIDENING
		TOTAL:	1	EACH
		PAY ITEM QUANTITY:	1	EACH

606.0001.0000 W-BEAM GUARDRAIL

SHEET	START		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	"0" 178+62	19.4' LT	"0" 182+17	19.2' LT	355	
				TOTAL	355	LF
				PAY ITEM QUANTITY	355	LF

606.0006.0000 REMOVING AND DISPOSING OF GUARDRAIL

SHEET	START STATION	END STATION	OFFSET	LENGTH (LF)	REMARKS
F1	"0" 177+82	"0" 182+96	LT	514	
			TOTAL	514	LT
			PAY ITEM QUANTITY	514	LT

606.0013.0000 PARALLEL GUARDRAIL TERMINAL

SHEET	START STATION	END STATION	LENGTH (LF)	OFFSET	QUANTITY (EA)	REMARKS
F1	"0" 178+12	"0" 178+62	50	LT	1	
F1	"0" 182+17	"0" 182+67	50	LT	1	
				TOTAL	2	EACH
				PAY ITEM QUANTITY	2	EACH

609.0001.0000 CURB, TYPE 1, DRAINAGE CURB

SHEET	START STATION	END STATION	OFFSET	QUANTITY (LF)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	90	DRAINAGE CURB IN REPAVE AREA
F1	"0" 178+94	"0" 180+54	LT	160	DRAINAGE CURB OUTSIDE ASPHALT
F1	"0" 181+44	"0" 181+85	LT	41	DRAINAGE CURB OUTSIDE ASPHALT
			TOTAL	291	LF
			PAY ITEM QUANTITY	291	LF

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro — Signature — 3/26/26 — Date

STATE OF ALASKA
49 TH
MICHAELLA KOZAK TINSLEY
CE 103455
5/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

SUMMARY TABLES

FILE C:\dowl_pw\d0401218\SA-CT-DT-D-63330-04.dwg | DATE 7/1/2024 12:27 | LAYOUT D1 | DESIGNED KOZAK TINSLEY | CHECKED CHRISTIE | DRAFTED KIM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	D2	24

DATE	5/10/2024 15:45	LAYOUT	D2	DESIGNED	KOZAK TINSLEY	CHECKED	CHRISTIE	DRAFTED	KIM

FILE c:\dowl_pw\d0401218\SA-CT-DT-D-63330-04.dwg

611.0001.0001 RIPRAP, CLASS I

SHEET	START STATION	END STATION	OFFSET	VOLUME (CY)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	17	UPPER WALL
F2	"0" 180+74	"0" 181+30	LT	20	LOWER WALL
			TOTAL:	37	CY
			PAY ITEM QUANTITY:	37	CY

611.0001.0002 RIPRAP, CLASS II

SHEET	START STATION	END STATION	OFFSET	VOLUME (CY)	REMARKS
F2	"0" 180+74	"0" 181+30	LT	128	LOWER WALL
			TOTAL:	128	CY
			PAY ITEM QUANTITY:	128	CY

611.0001.0003 RIPRAP, CLASS III

SHEET	START STATION	END STATION	OFFSET	VOLUME (CY)	REMARKS
F2	"0" 180+74	"0" 181+30	LT	92	LOWER WALL
			TOTAL:	92	CY
			PAY ITEM QUANTITY:	92	CY

615.0002.0000 REMOVE AND RELOCATE SIGN

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	"0" 182+52	LT	1	35 MPH SPEED LIMIT
F1	"0" 182+03	LT	1	WAYDELICH CREEK
		TOTAL:	2	EACH
		PAY ITEM QUANTITY:	2	EACH

618.0004.0000 SEEDING

SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	80	
F1	"0" 178+00	-	LT	24	GUARDRAIL TERMINAL WIDEING
F1	"0" 182+75	-	LT	6	GUARDRAIL TERMINAL WIDEING
F2	"0" 180+72	"0" 180+90	RT	25	
			TOTAL:	135	SY
			PAY ITEM QUANTITY:	135	SY

619.2002.0000 TURF REINFORCEMENT MAT

SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
F1	"0" 180+54	"0" 181+44	LT	80	
F1	"0" 178+00	-	LT	24	GUARDRAIL TERMINAL WIDEING
F1	"0" 182+75	-	LT	6	GUARDRAIL TERMINAL WIDEING
F2	"0" 180+72	"0" 180+90	RT	25	
			TOTAL:	135	SY
			PAY ITEM QUANTITY:	135	SY

642.0007.0000 REPLACE EXISTING WITH SECONDARY MONUMENT

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	"0" 181+38	LT	1	
		TOTAL:	1	EACH
		PAY ITEM QUANTITY:	1	EACH

670.0001.0000 PAINTED TRAFFIC MARKINGS

SHEET	START STATION	END STATION	QTY (LF)	REMARKS
F1	"0" 180+54	"0" 181+44	90	FOG LINE
		TOTAL:	90	LF
		PAY ITEM QUANTITY:	ALL REQUIRED	LUMP SUM

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

STATE OF ALASKA
49 TH
MICHAELLA KOZAK TINSLEY
CE 103455
5/10/2024
REGISTERED PROFESSIONAL ENGINEER

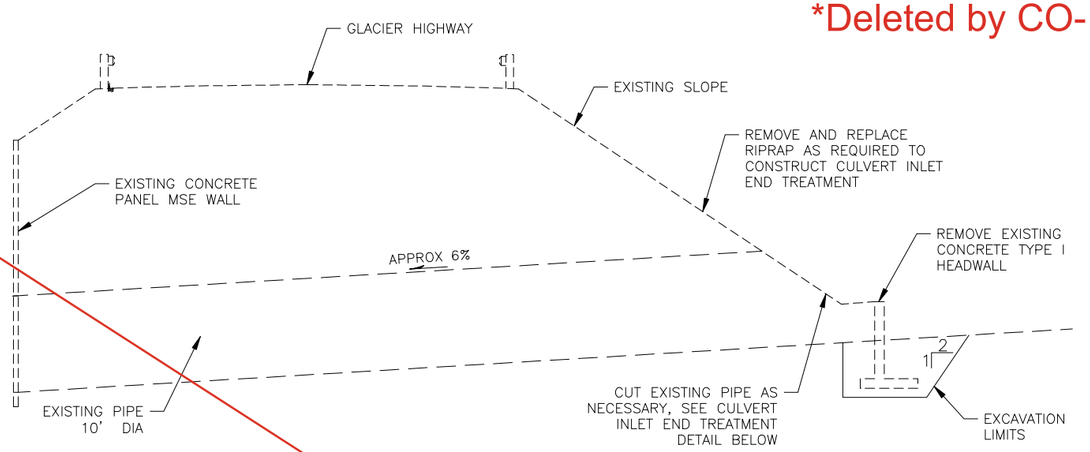
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

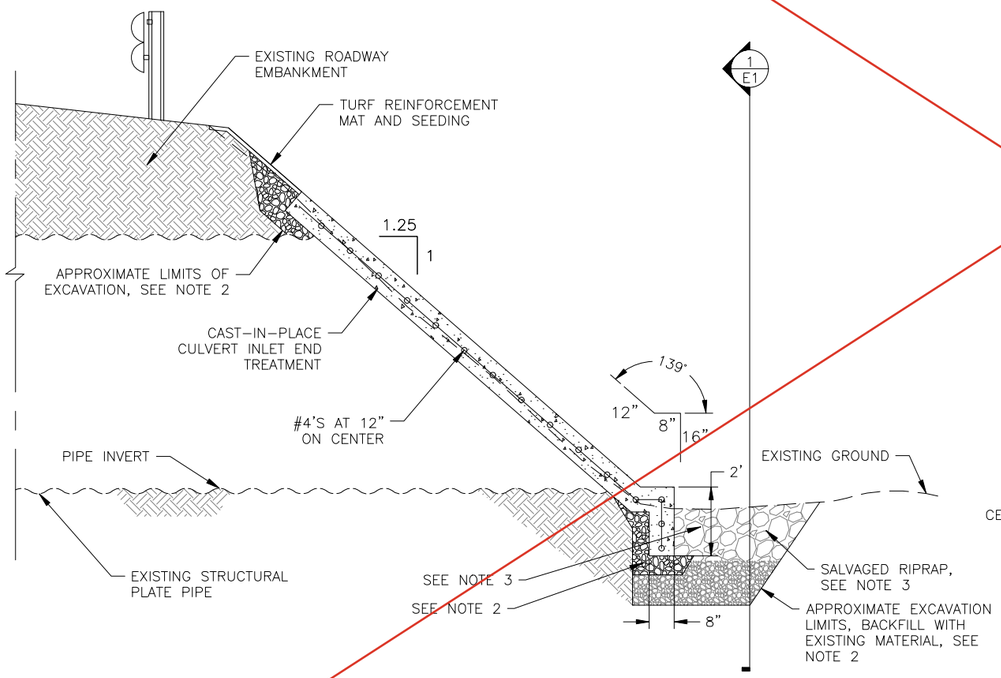
SUMMARY TABLES

*Deleted by CO-1

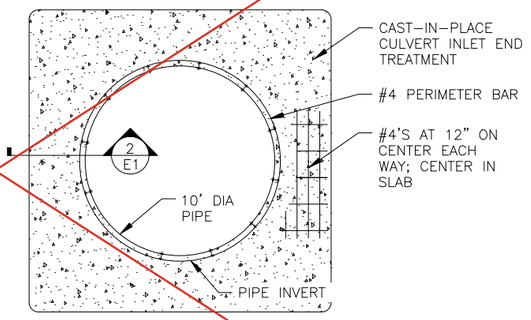
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	E1	24



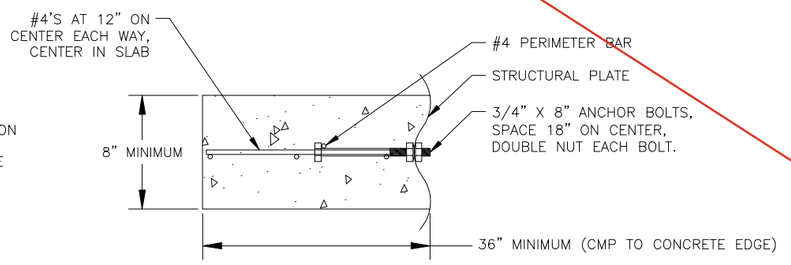
EXISTING WAYDELICH CREEK CULVERT
NTS



CAST-IN-PLACE CULVERT INLET END TREATMENT
NTS



1 / E1 ELEVATION
NTS



2 / E1 SECTION
NTS

NOTES:

1. THIS WORK CONSISTS OF REMOVING EXISTING CONCRETE TYPE I HEADWALL AND INSTALLING A CAST-IN-PLACE END TREATMENT AROUND THE MITERED CULVERT END, SEE SHEET F2 FOR LOCATION.
2. EXCAVATE A MINIMUM OF 6" BELOW BOTTOM OF CONCRETE END TREATMENT, BACKFILL ANY OVEREXCAVATION WITH EXISTING MATERIAL TO WITHIN 6" OF BOTTOM OF CONCRETE END TREATMENT, BACKFILL REMAINING 6" WITH AGGREGATE BASE COURSE, GRADING D-1. COMPLETE EXCAVATION AND CONCRETE WORK IN DRY CONDITIONS. SEE SHEET S2 STREAM DIVERSION AND PLAN FOR ADDITIONAL INFORMATION.
3. MINIMIZE DISTURBANCE TO THE MAXIMUM EXTENT PRACTICAL. SALVAGE AND REUSE ANY RIPRAP REMOVED DURING EXISTING HEADWALL REMOVAL AND INSTALLATION OF CONCRETE END TREATMENT.
4. EDGE OF CUT PIPE TO BE GROUND SMOOTH. DRILLED HOLES FOR ANCHOR BOLTS AND GROUND EDGE TO BE COATED WITH ZINC RICH PAINT PER SPECIAL PROVISION SECTION 602-3.02.
5. PLACE TURF REINFORCEMENT MAT AND SEEDING ONCE THE CULVERT INLET END TREATMENT HAS BEEN COMPLETED.
6. NO HARDWARE (GALVANIZED STUDS) OR DRILLED HOLES MAY BE RE-USED FROM EXISTING CONCRETE TYPE I HEADWALL.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

STATE OF ALASKA
49TH
Bradley M. Melocik
CE-11098
05/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49TH
MATTHEW J. METTLER
No. SE 13920
05/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

DRAINAGE DETAILS: LOWER WALL CULVERT INLET

DESIGNED KOZAK TINSLEY | DRAFTED KIM | CHECKED CHRISTIE | LAYOUT E1 | DATE 5/10/2024 15:55
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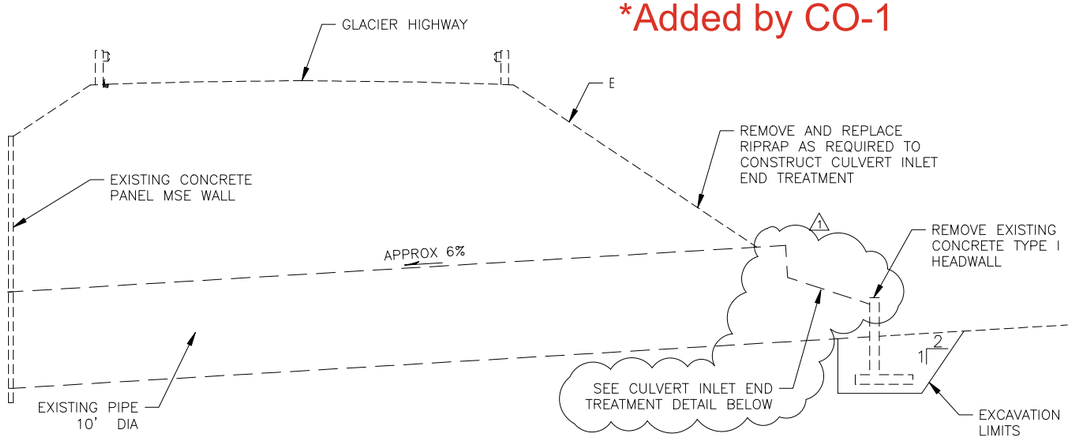
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	5/20/25	MODIFIED EXTENT AND SLOPE OF HEADWALL	ALASKA	0093003/SFHWY00414	2024	E1A	23
1	5/20/25	MODIFIED NOTE 5					
1	5/20/25	ADDED NOTES 7 THROUGH 11					

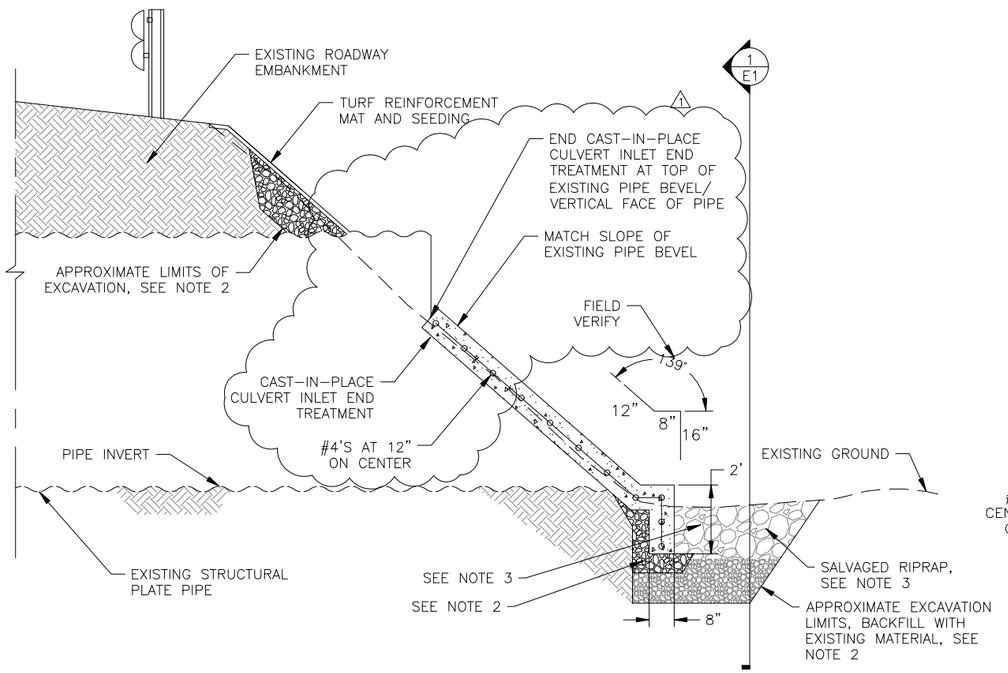
*Added by CO-1



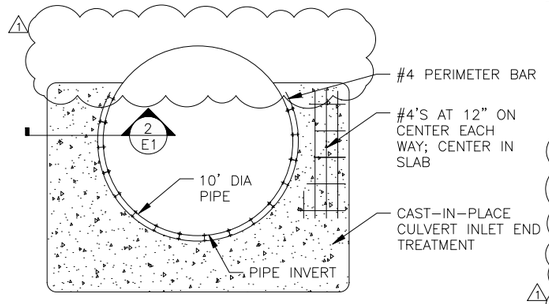
EXISTING WAYDELICH CREEK CULVERT
NTS

NOTES:

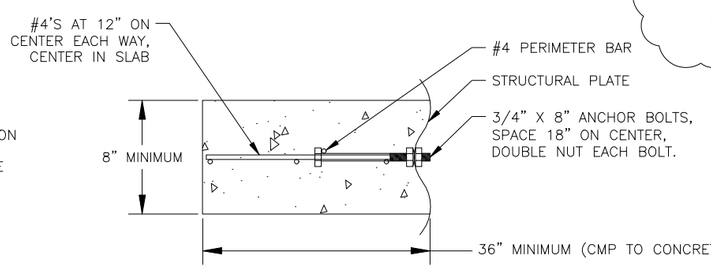
1. THIS WORK CONSISTS OF REMOVING EXISTING CONCRETE TYPE I HEADWALL AND INSTALLING A CAST–IN–PLACE END TREATMENT AROUND THE MITERED CULVERT END, SEE SHEET F2 FOR LOCATION.
2. EXCAVATE A MINIMUM OF 6" BELOW BOTTOM OF CONCRETE END TREATMENT, BACKFILL ANY OVEREXCAVATION WITH EXISTING MATERIAL TO WITHIN 6" OF BOTTOM OF CONCRETE END TREATMENT, BACKFILL REMAINING 6" WITH AGGREGATE BASE COURSE, GRADING D–1. COMPLETE EXCAVATION AND CONCRETE WORK IN DRY CONDITIONS. SEE SHEET S2 STREAM DIVERSION AND PLAN FOR ADDITIONAL INFORMATION.
3. MINIMIZE DISTURBANCE TO THE MAXIMUM EXTENT PRACTICAL. SALVAGE AND REUSE ANY RIPRAP REMOVED DURING EXISTING HEADWALL REMOVAL AND INSTALLATION OF CONCRETE END TREATMENT.
4. EDGE OF CUT PIPE TO BE GROUND SMOOTH. DRILLED HOLES FOR ANCHOR BOLTS AND GROUND EDGE TO BE COATED WITH ZINC RICH PAINT PER SPECIAL PROVISION SECTION 602–3.02.
5. IMMEDIATELY FOLLOWING EMBANKMENT TOE RECONSTRUCTION, PLACE TURF REINFORCEMENT MAT AND SEEDING TO HELP REESTABLISH VEGETATION, STABILIZE THE SLOPE, AND PREVENT INFILTRATION BEHIND THE HEADWALL FROM SURROUNDING SURFACE WATER.
6. NO HARDWARE (GALVANIZED STUDS) OR DRILLED HOLES MAY BE RE–USED FROM EXISTING CONCRETE TYPE I HEADWALL.
7. REMOVE ALL LARGE/BONY MATERIAL PLACED AS TEMPORARY SLOPE STABILIZATION FROM WITHIN THE FOOTPRINT OF THE CAST–IN–PLACE CONCRETE HEADWALL.
8. PLACE AND HAND COMPACT AGGREGATE BASE COURSE GRADING, D–1 WITHIN THE HEADWALL FOOTPRINT TO PROVIDE A SOLID/STABLE BASE FOR POURING CONCRETE.
9. FORM AND POUR THE HEADWALL.
10. ONCE THE HEADWALL HAS SUFFICIENTLY CURED, REMOVE REMAINING TEMPORARY SLOPE STABILIZATION MATERIAL FROM THE REMAINDER OF THE EXCAVATION.
11. REPLACE SALVAGED EMBANKMENT MATERIAL WITHIN THE REMAINDER OF THE EXCAVATION, KEYING INTO THE EXISTING SLOPE WITHOUT EXPANDING EXCAVATION EXTENTS. USE THE OBSERVATIONAL METHOD TO CONFIRM ADEQUATE COMPACTION. REPLACED MATERIAL SHOULD NOT DEFORM WHEN STRUCK BY THE EXCAVATOR BUCKET OR SIMILAR. GRADE TO MATCH EXISTING SLOPES. IF ADDITIONAL MATERIAL IS REQUIRED IN AREAS OF OVEREXCAVATION CONTRACTOR SHALL PLACE RIPRAP, CLASS I.



CAST–IN–PLACE CULVERT INLET END TREATMENT
NTS



1 E1 ELEVATION
NTS



2 E1 SECTION
NTS

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

STATE OF ALASKA 49TH MATTHEW J. METTLER No. SE 13920 05/20/2025 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49TH Bradley M. Melocik CE-14068 05/20/2025 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK:
UPPER & LOWER WALL REPAIRS

DRAINAGE DETAILS:
LOWER WALL CULVERT INLET

DATE 5/20/2025 7:23 | LAYOUT E1 | DESIGNED KOZAK TINSLEY | CHECKED CHRISTIE | DRAFTED KIM
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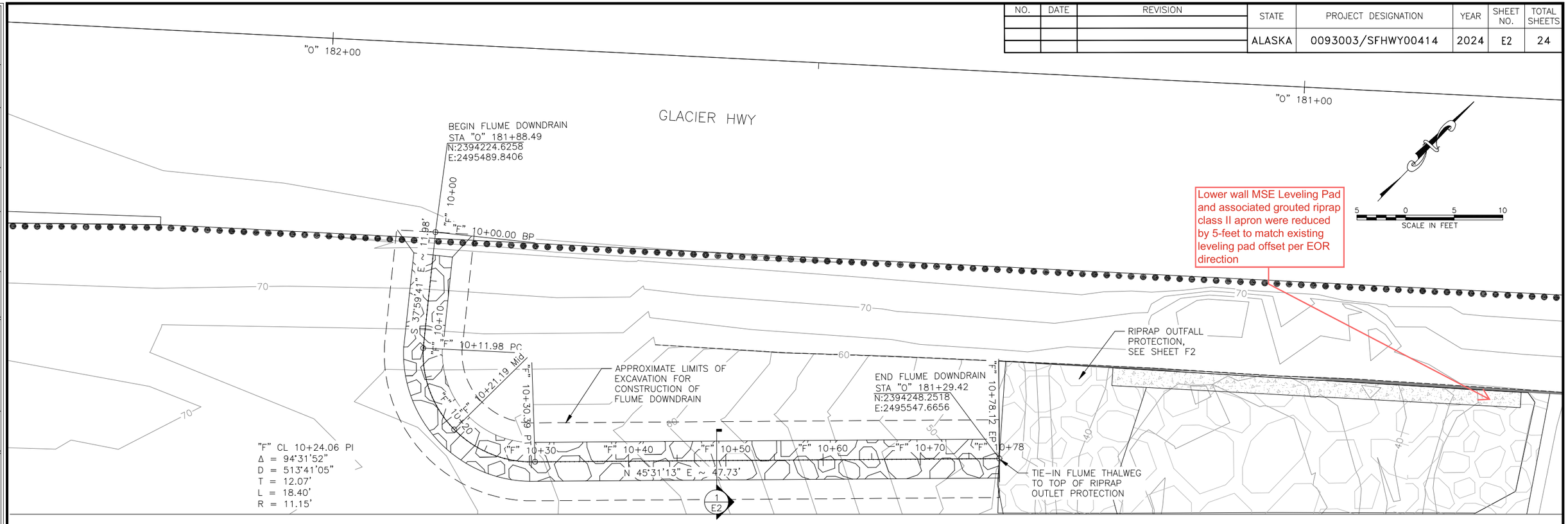
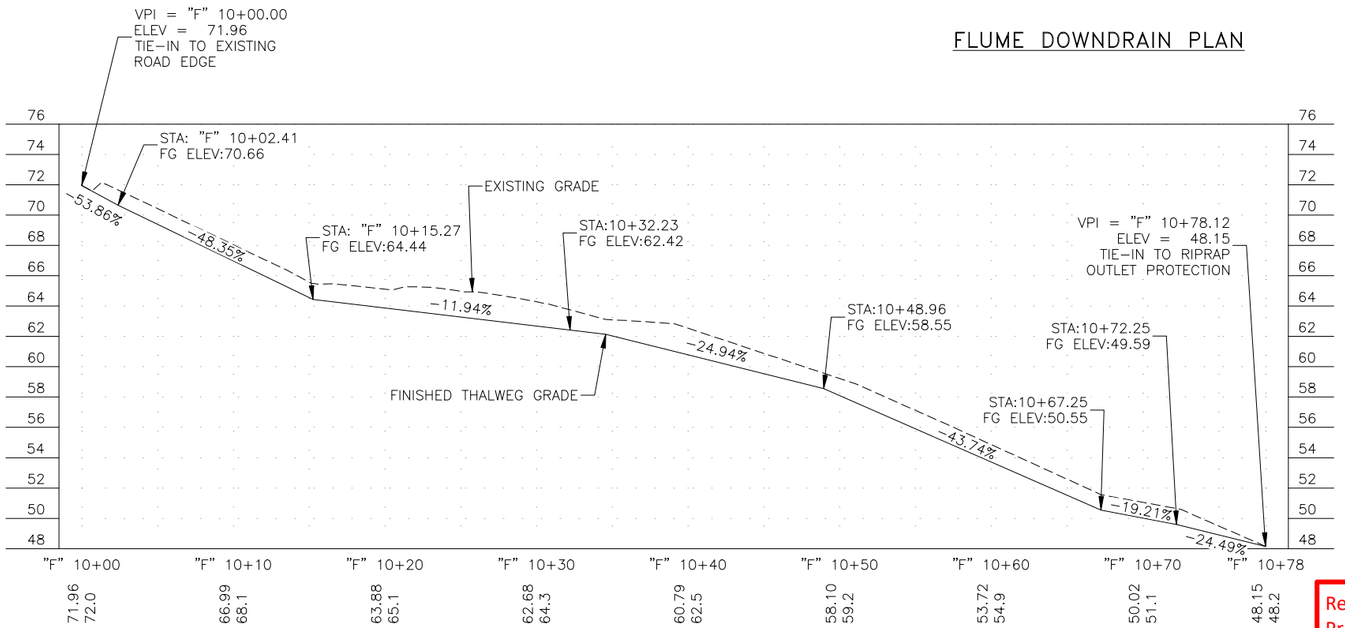
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0093003/SFHWY00414	2024	E2	24

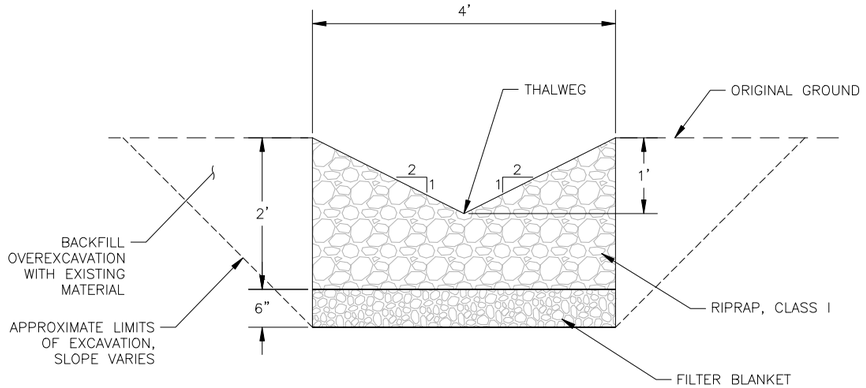
DESIGNED	DRAFTED	CHECKED	LAYOUT	DATE	FILE
KOZAK TINSLEY	CHRISTIE	KIM	E2	5/10/2024 15:55	c:\dowl_pw\d0401218\SA-CT-DT-E-63330-04.dwg



FLUME DOWNDRAIN PLAN



FLUME DOWNDRAIN PROFILE



1 E2 RIPRAP SECTION FOR FLUME DOWNDRAIN
NTS

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

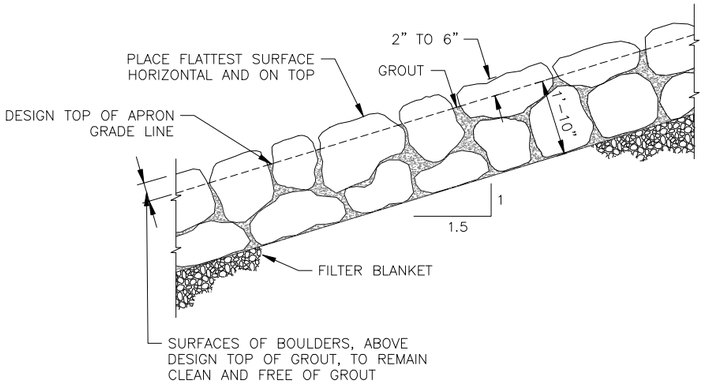
Dillon Tomaro 3/26/26
Signature Date

STATE OF ALASKA
49 TH
MICHAELLA KOZAK TINSLEY
CE 103455
5/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS
DRAINAGE DETAILS: UPPER WALL FLUME DOWNDRAIN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	E3	24



NOTES:

1. GROUT USED FOR THE GROUTED ROCK APRON SHALL CONSIST OF CLASS B CONCRETE AS SPECIFIED IN THE SPECIAL PROVISIONS.
2. APRON ROCK CONSISTS OF ROCK (PREFERABLY ROUNDED TO SUB-ROUNDED) CONFORMING TO CLASS II RIPRAP GRADATION.
3. BEFORE GROUTING, CLEAN ALL DIRT AND MATERIALS FROM ROCK THAT COULD PREVENT THE GROUT FROM BONDING TO ROCK. FINAL PLACEMENT OF BOULDERS TO BE APPROVED BY THE ENGINEER OR OWNER PRIOR TO GROUTING.
4. PLACE GROUT BY INJECTION METHODS TO FILL VOIDS TO THE SPECIFIED GROUT DEPTH. CLEAN EXCESS GROUT FROM ALL EXPOSED SURFACES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. CONTROL THE GROUT MIX AND PLACEMENT PROCEDURES TO ACHIEVE THE SPECIFIED THICKNESS AND GRADE OF THE GROUT LAYER.
6. ELEVATION OF UPPERMOST GROUTED ROCK MUST BE LOWER THAN CULVERT OUTLET INVERT.

1/B2 GROUTED ROCK APRON PLACEMENT
NTS

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

STATE OF ALASKA
49TH
Bradley M. Melocik
CE-11098
05/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK:
UPPER & LOWER WALL REPAIRS
DRAINAGE DETAILS:
LOWER WALL
CULVERT OUTLET APRON

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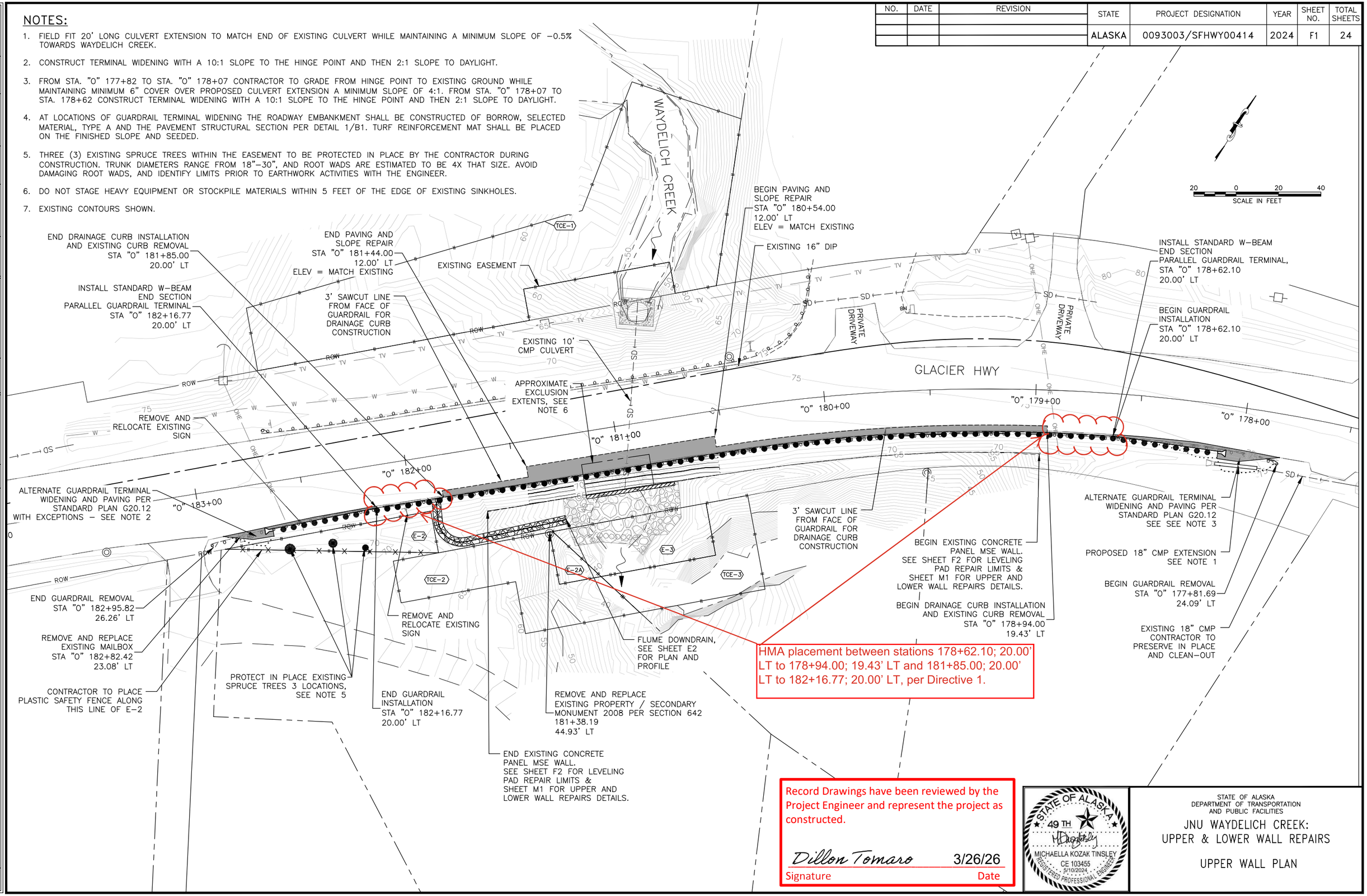
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	F1	24

NOTES:

1. FIELD FIT 20' LONG CULVERT EXTENSION TO MATCH END OF EXISTING CULVERT WHILE MAINTAINING A MINIMUM SLOPE OF −0.5% TOWARDS WAYDELICH CREEK.
2. CONSTRUCT TERMINAL WIDENING WITH A 10:1 SLOPE TO THE HINGE POINT AND THEN 2:1 SLOPE TO DAYLIGHT.
3. FROM STA. "O" 177+82 TO STA. "O" 178+07 CONTRACTOR TO GRADE FROM HINGE POINT TO EXISTING GROUND WHILE MAINTAINING MINIMUM 6" COVER OVER PROPOSED CULVERT EXTENSION A MINIMUM SLOPE OF 4:1. FROM STA. "O" 178+07 TO STA. 178+62 CONSTRUCT TERMINAL WIDENING WITH A 10:1 SLOPE TO THE HINGE POINT AND THEN 2:1 SLOPE TO DAYLIGHT.
4. AT LOCATIONS OF GUARDRAIL TERMINAL WIDENING THE ROADWAY EMBANKMENT SHALL BE CONSTRUCTED OF BORROW, SELECTED MATERIAL, TYPE A AND THE PAVEMENT STRUCTURAL SECTION PER DETAIL 1/B1. TURF REINFORCEMENT MAT SHALL BE PLACED ON THE FINISHED SLOPE AND SEEDED.
5. THREE (3) EXISTING SPRUCE TREES WITHIN THE EASEMENT TO BE PROTECTED IN PLACE BY THE CONTRACTOR DURING CONSTRUCTION. TRUNK DIAMETERS RANGE FROM 18"–30", AND ROOT WADS ARE ESTIMATED TO BE 4X THAT SIZE. AVOID DAMAGING ROOT WADS, AND IDENTIFY LIMITS PRIOR TO EARTHWORK ACTIVITIES WITH THE ENGINEER.
6. DO NOT STAGE HEAVY EQUIPMENT OR STOCKPILE MATERIALS WITHIN 5 FEET OF THE EDGE OF EXISTING SINKHOLES.
7. EXISTING CONTOURS SHOWN.



HMA placement between stations 178+62.10; 20.00' LT to 178+94.00; 19.43' LT and 181+85.00; 20.00' LT to 182+16.77; 20.00' LT, per Directive 1.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

STATE OF ALASKA
49 TH
MICHAELLA KOZAK TINSLEY
CE 103455
5/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

UPPER WALL PLAN

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0093003/SFHWY00414	2024	F2	24

DESIGNED KOZAK TINSLEY | DRAFTED KIM | CHECKED CHRISTIE | LAYOUT F2 | DATE 5/10/2024 15:57 | FILE c:\dowl_pw\d0401218\SC-CT-RD-F2.dwg

TCE–1

EXISTING EASEMENT

WAYDELICH CREEK

APPROXIMATE LIMITS OF HEADWALL EXCAVATION, SALVAGE AND REUSE EXISTING RIPRAP

0 20' 40'
SCALE IN FEET

EXISTING OVERHEAD COMMUNICATIONS LINE

ROW

TV

W

OHE

16" DIP

APPROXIMATE EXCLUSION LIMITS, SEE NOTE 2

GLACIER HWY

EXISTING 10' DIAMETER CMP CULVERT

"O" 182+00

"O" 181+00

"O" 180+00

END MSE LOWER WALL LEVELING PAD REPAIR SEE SHEET B2 STA "O" 181+18.24 OFFSET 30.88' LT

RIPRAP, CLASS III BASIN

CULVERT INVERT EL 42.16'

BEGIN LOWER WALL MSE LEVELING PAD REPAIR, SEE SHEET B2 ~~180+76.19~~ 180+71.19 30.99' LTT

Lower wall MSE Leveling Pad was reduced by 5-feet to match existing leveling pad offset per EOR direction.

GROUTED RIPRAP, CLASS II APRON

RIPRAP, CLASS II REVETMENT

APPROXIMATE RIPRAP OUTLET PROTECTION EXCAVATION LIMITS

E-2

FLUME DOWNDRAIN PER SHEET E2

SELECTED RIPRAP, CLASS III SEE DETAIL 1/B3

TCE–2

E-2A

E-3

EXISTING BEDROCK OUTCROP (APPROXIMATE)

TCE–3

NOTES:

1. EXISTING CONTOURS SHOWN.
2. DO NOT STAGE HEAVY EQUIPMENT OR STOCKPILE MATERIALS WITHIN 5 FEET OF THE EDGE OF EXISTING SINKHOLES.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Bradley M. Melocik
CE-11098
05/10/2024

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

LOWER WALL PLAN

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0093003/SFHWY00414	2024	F3	24

DESIGNED	KOZAK TINSLEY
DRAFTED	KIM
CHECKED	CHRISTIE
LAYOUT	F3
DATE	5/10/2024 15:55
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SURVEY CONTROL TABLE				
POINT #	ELEV.	STA.	OFF.	DESCRIPTION
5000	41.20	181+15.10	33.13	SEE NOTE 1
5001	41.20	181+17.70	42.72	SEE NOTE 1
5002	41.20	181+14.51	52.74	SEE NOTE 1
5003	41.20	181+00.80	56.02	SEE NOTE 1
5004	41.20	180+91.03	49.40	SEE NOTE 1
5005	41.20	180+87.40	39.69	SEE NOTE 1
5006	41.20	180+87.54	33.23	SEE NOTE 1
5007	48.00	181+29.25	29.69	SEE NOTE 2
5008	48.00	181+29.47	42.35	SEE NOTE 2
5009	46.00	181+26.97	52.64	SEE NOTE 2
5010	46.00	180+95.43	62.47	SEE NOTE 2
5011	46.50	180+83.30	54.15	SEE NOTE 2
5012	46.50	180+75.63	47.42	SEE NOTE 2
5013	46.50	180+73.24	30.22	SEE NOTE 2

SURVEY CONTROL TABLE NOTES:

1. FINISHED OUTLET PROTECTION BASIN TRANSITION BETWEEN RIPRAP CLASS III AND CLASS II, MEASURED AT TOP OF SURFACE.
2. FINISHED OUTLET PROTECTION REVETMENT EXTENT OF RIPRAP CLASS II MEASURED AT TOP OF SURFACE.

GLACIER HWY

"O" 181+00

APPROXIMATE EXCLUSION EXTENTS, SEE NOTE 4

RIPRAP, CLASS III BASIN

GROUTED RIPRAP, CLASS II APRON

CULVERT INVERT EL 42.16'

RIPRAP, CLASS II REVETMENT

SELECTED RIPRAP, CLASS III

REWORK EXISTING BOULDERS AS DIRECTED BY THE FIELD ENGINEER TO FIT WITH NEW SLOPE PROTECTION

APPROXIMATE LOCATION OF EXISTING BEDROCK OUTCROP, FIELD FIT RIPRAP AROUND BEDROCK AS DIRECTED BY ENGINEER

5000 5001 5002 5003 5004 5005 5006 5007 5008 5009 5010 5011 5012 5013

1 B2

2 B2

E-2A

E-3

TCE-2

TCE-3

ROW

WAYDELICH CREEK

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

0 10' 20'

SCALE IN FEET

NOTES:

1. SEE SHEET B2 FOR STORM DRAINAGE TYPICAL SECTIONS.
2. RIPRAP OUTLET PROTECTION LABELS ADDRESS FINISHED TOP OF RIPRAP STATION, OFFSET AND ELEVATIONS.
3. GROUTED RIPRAP EXTENTS MATCH LEVELING PAD REPAIR, SEE DETAILS ON B2, B3 AND E3.
4. DO NOT STAGE HEAVY EQUIPMENT OR STOCKPILE MATERIALS WITHIN 5 FEET OF THE EDGE OF EXISTING SINKHOLES.
5. EXISTING CONTOURS SHOWN.

STATE OF ALASKA 49TH

Bradley M. Melocik CE-11098 05/10/2024

REGISTERED PROFESSIONAL ENGINEER

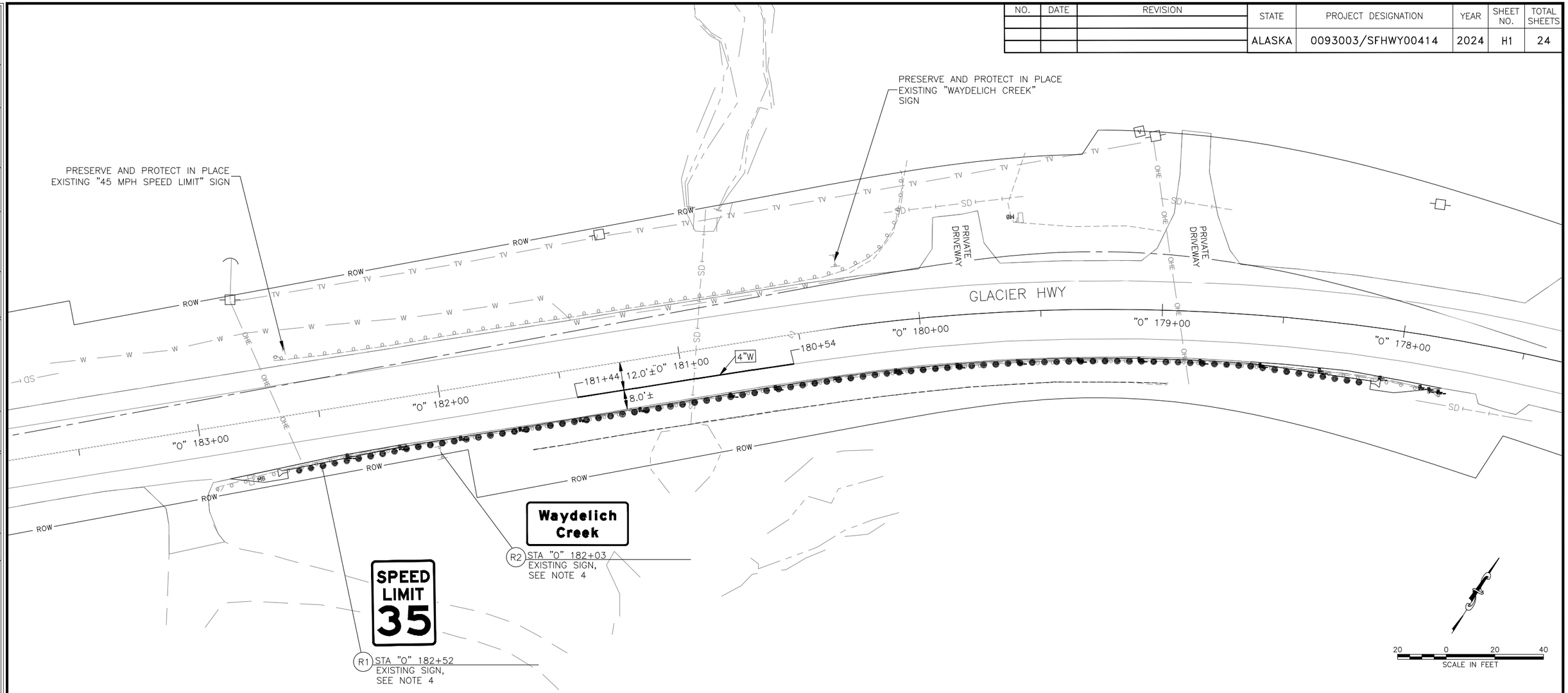
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

LOWER WALL PLAN

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0093003/SFHWY00414	2024	H1	24



TRAFFIC MARKING KEY

4"W	4" WHITE LINE

SIGNING KEY

(#) STATION

SIGN LOCATION #

TRAFFIC MARKING NOTES

1. ALL PROPOSED PAVEMENT MARKINGS SHALL BE TRAFFIC PAINT.
2. DIMENSIONS REFER TO THE CENTER OF STRIPE, STRIPE GROUP, AND PAVEMENT EDGE.
3. STRIPING CONFIGURATIONS IN THIS PLAN SET ARE APPROXIMATE. THE CONTRACTOR SHALL PERFORM PRELIMINARY SPOTTING (RABBIT TRACKING) OF STRIPING AT LEAST 48 HOURS PRIOR TO APPLICATION OF MARKINGS. THE ENGINEER WILL THEN APPROVE THE LAYOUT OR MAKE MODIFICATIONS AS REQUIRED.
4. REMOVE EXISTING SIGNS R1 AND R2 AS REQUIRED FOR GUARDRAIL INSTALLATION, RELOCATE EXISTING SIGNS WHERE INDICATED ON THE PLAN. OFFSET AND HEIGHT PER ALASKA STANDARD PLAN S-05.02.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

STATE OF ALASKA
49 TH
MICHAELLA KOZAK TINSLEY
CE 103455
5/10/2024
REGISTERED PROFESSIONAL ENGINEER

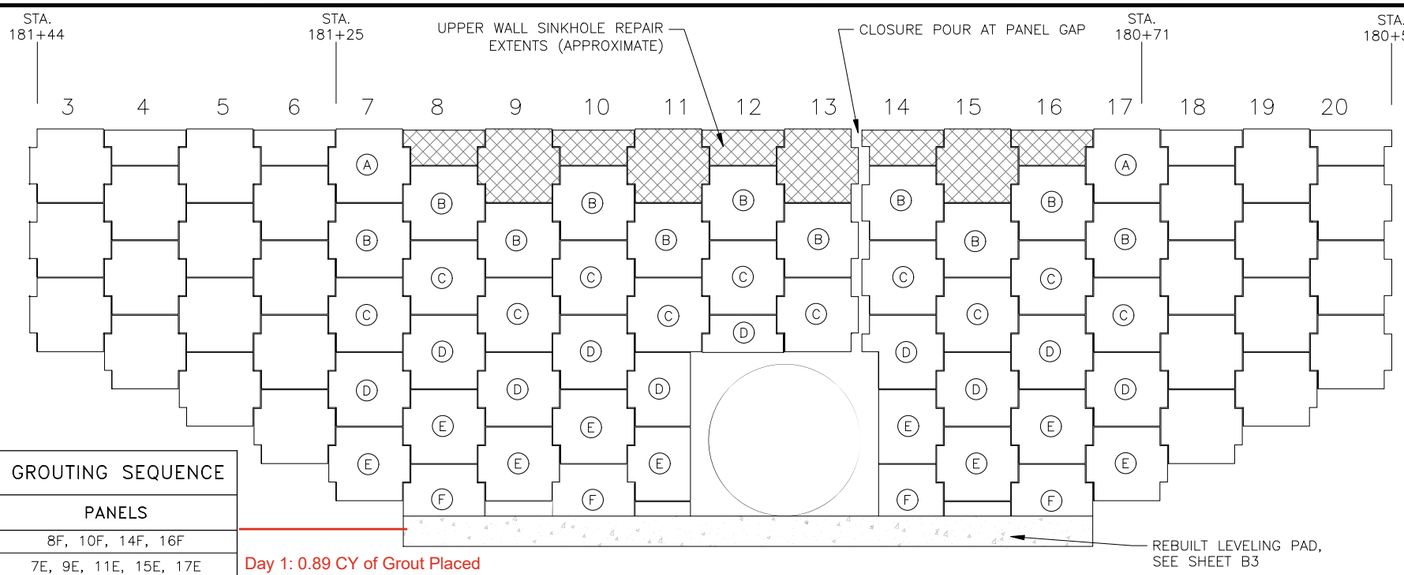
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

SIGNING AND STRIPING PLAN

FILE c:\dowl_pw\d0401218\SC-CT-SG-H-63330-04.dwg
DATE 5/10/2024 15:58
LAYOUT H1
DESIGNED KOZAK TINSLEY CHECKED CHRISTIE DRAFTED KIM

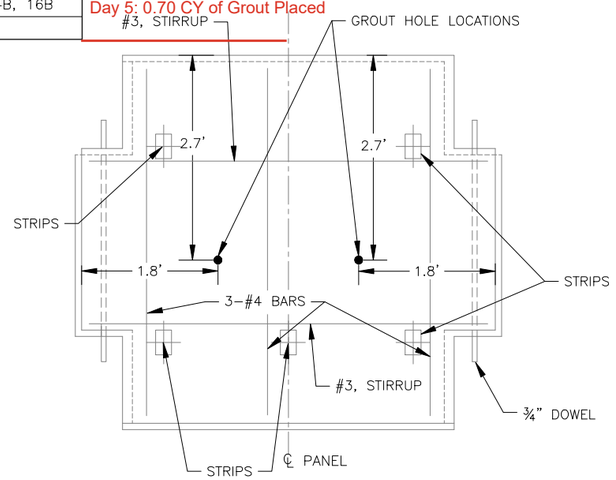
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	M1	24



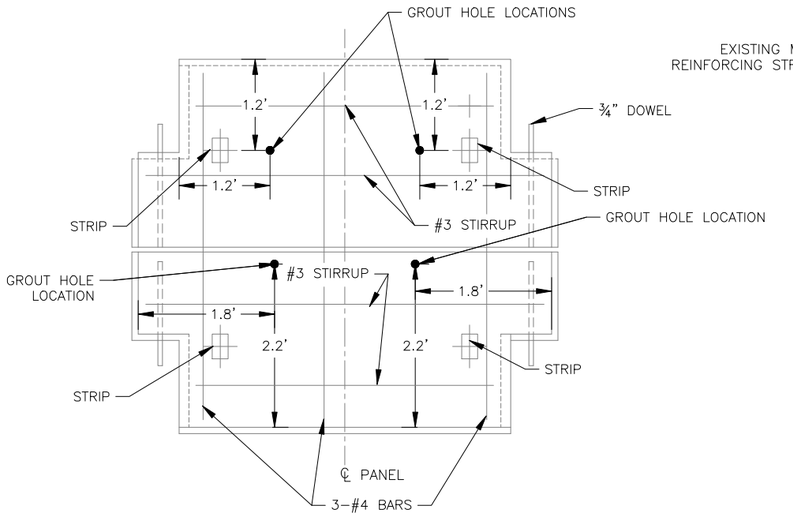
PANEL GROUTING SEQUENCE	
LIFT	PANELS
1	8F, 10F, 14F, 16F
2	7E, 9E, 11E, 15E, 17E
3	8E, 10E, 14E, 16E
4	7D, 9D, 11D, 15D, 17D
5	8D, 10D, 12D, 14D, 16D
6	7C, 9C, 11C, 13C, 15C, 17C
7	8C, 10C, 12C, 14C, 16C
8	7B, 9B, 11B, 13B, 15B, 17B
9	8B, 10B, 12B, 14B, 16B
10	7A, 17A

Day 1: 0.89 CY of Grout Placed
Day 2: 0.55 CY of Grout Placed
Day 3: 1.28 CY of Grout Placed
Day 4: 1.19 CY of Grout Placed
Day 5: 0.70 CY of Grout Placed

1/M1 RETAINING WALL GROUT REPAIR
NTS

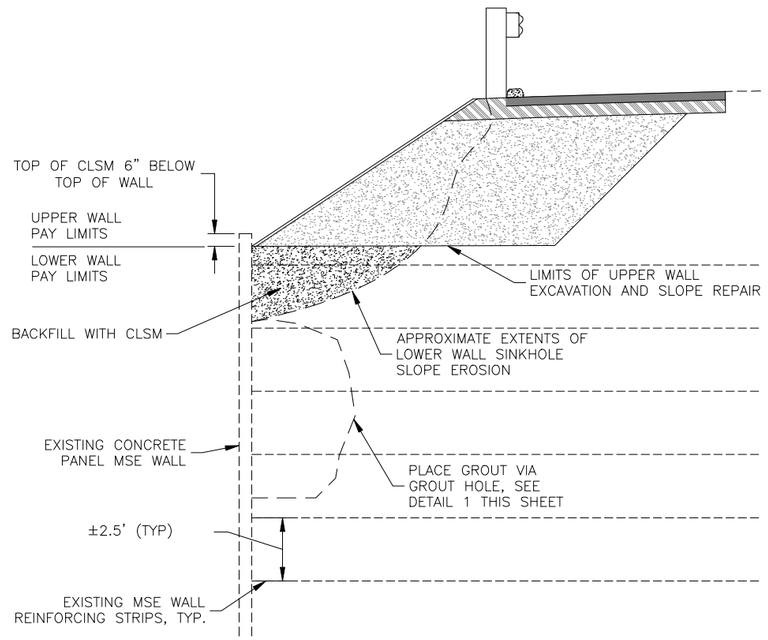


FULL PANELS
FRONT VIEW



HALF PANELS
FRONT VIEW

2/M1 GROUT PORT LOCATIONS
SCALE: 1" = 1'



NOTES:

1. COMPLETE GROUTING PROGRAM FOR THE LOWER WALL REPAIR VIA GROUT PORT. GROUT IN FINAL LIFT OF THE LOWER WALL REPAIR SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 50 PSI PRIOR TO THE START OF THE LOWER WALL SINKHOLE REPAIR.
2. REMOVE ORGANICS AND LOOSE MATERIALS USING HAND TOOLS PRIOR TO REPAIR WITHOUT DAMAGING THE EXPOSED REINFORCING STRAPS OR CONNECTIONS.
3. BACKFILL SINKHOLES WITH CLSM MEETING THE SPECIFICATIONS IN SECTION 205–3.06 AND 712–2.22 AS MODIFIED.
4. EXPOSED MSE WALL STRIPS SHALL BE COVERED BY A MINIMUM OF 6 INCHES OF CLSM PRIOR TO UPPER SLOPE EXCAVATION AND REPAIR.
5. CLSM BACKFILL SHALL BE PLACED AND ALLOWED TO CURE TO A MINIMUM STRENGTH OF 50 PSI PRIOR TO PLACEMENT OF UPPER WALL SLOPE REPAIRS SHOWN ON SHEET B1.

3/M1 LOWER WALL SINKHOLE REPAIR
NTS

NOTES:

1. COMPLETE LOWER WALL LEVELING PAD REPAIR PRIOR TO START OF GROUTING PROGRAM.
2. GROUT HOLE LOCATIONS SHOWN ARE APPROXIMATE. FINAL LOCATIONS TO BE DETERMINED IN THE FIELD REFERENCING THE MEASUREMENTS IN DETAIL 2–M1. DO NOT DRILL MORE THAN TWO HOLES PER PANEL.
3. A LIFT IS DEFINED BY THE PANEL GROUTING SEQUENCE TABLE IN DETAIL 1–M1.
4. PLACE GROUT IN ACCORDANCE WITH SPECIAL PROVISION SECTION 511.
5. THE UPPERMOST PANELS FROM COLUMNS 9–15 ARE LOCATED DIRECTLY IN FRONT OF THE SINKHOLE. THE SINKHOLES WILL BE BACKFILLED FROM ABOVE USING CLSM AS SHOWN IN DETAIL 3–M1. CONFIRM SINKHOLE EXTENTS PRIOR TO START OF WALL REPAIR.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

STATE OF ALASKA
49TH
Dave Mintt
AINE MINES
No. CE-105474
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

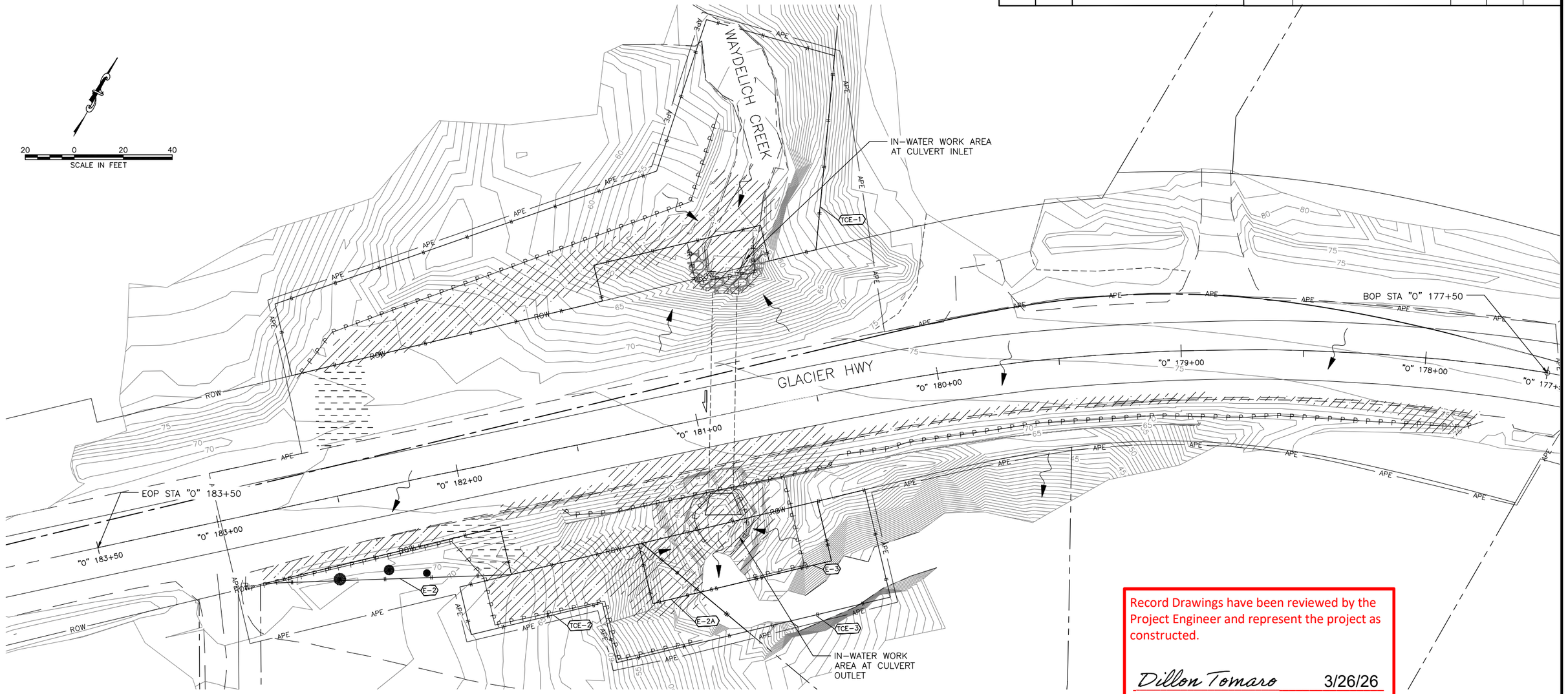
JNU WAYDELICH CREEK:
UPPER & LOWER WALL REPAIRS

WALL
REPAIR DETAILS

FILE C:\dowl_pw\d0401219\ST-CT-M1.dwg
DATE 5/10/2024 16:02
LAYOUT M1
DESIGNED KOZAK TINSLEY
CHECKED CHRISTIE
DRAFTED KIM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	Q1	24

DESIGNED	KOZAK TINSLEY
DRAFTED	KIM
CHECKED	CHRISTIE
LAYOUT	Q1
DATE	5/11/2024 11:34
FILE	C:\dowl_pw\d0401218\SC-CT-EC-Q-63330-04.dwg



Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

ESCP GENERAL NOTES:

1. THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ARE PART OF THE ESCP. ANY CHANGES TO THE ESCP REQUIRE APPROVAL OF THE ENGINEER. IT'S THE CONTRACTOR'S RESPONSIBILITY TO INSTALL AND MAINTAIN BMP's AS SHOWN, OR AS CONTAINED IN ANY ESCP REVISIONS.
2. INSTALL EROSION SEDIMENT CONTROL MEASURES PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITY.
3. CONSTRUCTION ENTRANCE/EXIT MUST BE ESTABLISHED TO MINIMIZE OFF-SITE IMPACTS.
4. INSTALL PERIMETER CONTROL BMP WHEN WORKING WITHIN 25 FEET OF SURFACE WATERS AND ALONG WETLANDS WHERE A 25 FOOT VEGETATIVE BUFFER IS NOT RETAINED.
5. ALL IN-WATER WORK MUST BE ISOLATED FROM WATERS OF THE U.S. USING APPROPRIATE BMPS. ISOLATION METHODS MAY INCLUDE:
   - 5.1. SILT CURTAINS
   - 5.2. COFFERDAMS
   - 5.3. DIVERSIONS
   - 5.4. OTHER METHODS APPROVED BY THE ENGINEER
6. ALL STREAM DIVERSION AND DEWATERING WILL BE MEASURED AND PAID SEPARATELY ACCORDING TO SPECIFICATION SECTION 671.
7. DURING PERIODS OF WINTER SHUTDOWN, THE CONTRACTOR SHALL STABILIZE ALL DISTURBED GROUND ON THE WORKSITE (INCLUDING ACCESS ROADS) ACCORDING TO SECTION 658.
8. ONCE CONSTRUCTION IS COMPLETE ALL DISTURBED AREAS SHALL BE REVEGETATED OR STABILIZED PER SECTION 658.

ESCP LEGEND

- PERIMETER CONTROL
- EXISTING CULVERT
- CONSTRUCTION ENTRANCE AND EXIT
- APE — AREA OF POTENTIAL EFFECT
- CULVERT STORMWATER FLOW
- EXISTING SURFACE FLOW DIRECTION
- DISTURBED AREA

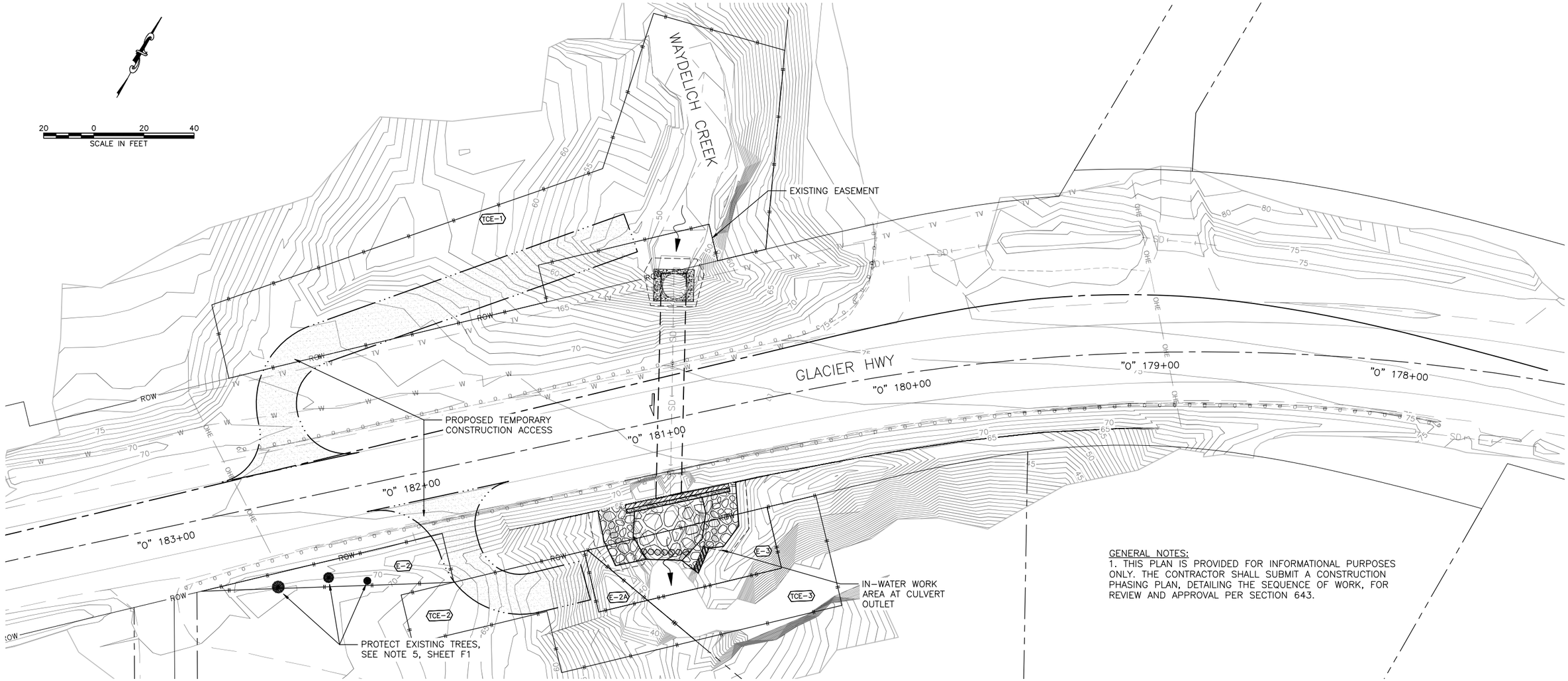
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

EROSION SEDIMENT CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	S1	24



GENERAL NOTES:
1. THIS PLAN IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION PHASING PLAN, DETAILING THE SEQUENCE OF WORK, FOR REVIEW AND APPROVAL PER SECTION 643.

CONSTRUCTION PHASING NOTES:

CONSTRUCTION PHASING AT CULVERT INLET:

1. DIVERT WAYDELICH CREEK
   - DIVERSION STAYS IN PLACE FOR INLET AND OUTLET WORK.
2. DEWATER ADDITIONAL WATER FROM SCOUR POOL AT INLET
   - THIS WATER WILL REQUIRE FILTRATION PRIOR TO DISCHARGING BACK INTO THE STREAM. CONTRACTOR WILL LOCATE FILTER SYSTEM WITHIN THE TCE'S INDICATED.
3. CONSTRUCT CAST-IN-PLACE INLET END TREATMENT.
   - REMOVE LOOSE DEBRIS AND RIPRAP WITHIN SLOPE FOOTPRINT.
   - DEMOLISH EXISTING CONCRETE HEADWALL AT THE CULVERT INLET.
   - TRIM CULVERT END AS NECESSARY.
   - CONDUCT MINOR EXCAVATION BELOW THE UNDERMINED HEADWALL TO FACILITATE THE CONSTRUCTION OF THE NEW CONCRETE INLET END TREATMENT TO A MINIMUM THICKNESS OF 6-INCHES BELOW THE PROPOSED INLET END TREATMENT AND INTEGRAL CUT-OFF WALL.
   - CONSTRUCT FORMWORK AND PLACE REINFORCING STEEL FOR THE NEW INLET END TREATMENT.
   - USING CLASS A CONRETE POUR NEW INLET INLET END TREATMENT.
4. BACKFILL EXCAVATION WITH AGGREGATE BASE COURSE, REPLACE EXISTING RIPRAP, RE-ESTABLISH ANY DISTURBED SLOPES, PLACE TURF REINFORCEMENT MAT, AND SEED.

CONSTRUCTION PHASING AT CULVERT OUTLET:

5. DEWATER ADDITIONAL WATER FROM SCOUR POOL AT OUTLET
   - THIS WATER WILL REQUIRE FILTRATION PRIOR TO DISCHARGING BACK INTO THE STREAM. CONTRACTOR WILL LOCATE FILTER SYSTEM WITHIN THE TCE'S INDICATED.
6. REMOVE EXISTING MSE WALL CONCRETE LEVELING PAD.
7. PLACE FILTER BLANKET MATERIALS WITHIN THE SCOUR POOL TO APPROXIMATE ELEVATION 39.66 FEET.
8. COMMENCE WITH LEVELING PAD CONSTRUCTION:
   - CORE DRILL THE ACCESS/VENT HOLES IN THE LOWER WALL PANELS.
   - REMOVE LOOSE DEBRIS AT THE BASE OF THE WALL.
   - MINOR EXCAVATION BELOW THE UNDERMINED WALL PANELS TO FACILITATE CONSTRUCTION OF A NEW LEVELING PAD. MAINTAIN A MINIMUM THICKNESS OF 6-INCHES BELOW THE EXISTING PANELS.
   - DURING THE CONSTRUCTION AT THE BASE OF THE WALL, THE SINKHOLES AT THE TOP SHOULD BE CONSIDERED A HIGH-RISK AREA AND THE CONTRACTOR WILL NEED TO WORK AROUND THEM.
   - CONSTRUCT FORMWORK AND PLACE REINFORCING STEEL FOR THE NEW LEVELING PAD.
   - USE CLASS A CONCRETE FOR POURING THE NEW LEVELING PAD WITH THE INTENT OF HAVING THE NEW PAD EXTEND ABOVE THE WALL TO ABOUT ELEVATION 42.08 FEET.
   - ONCE THE NEW LEVELING PAD IS IN PLACE AND CURED FOR AT LEAST 24 HOURS, THE FORMS CAN BE STRIPPED AND REMOVED FROM THE WORK AREA.
   - PLACE RIPRAP CLASS I AND GROUTED RIPRAP CLASS II IN THE SCOUR HOLE.
9. REPAIR THE MSE WALL USING THE FOLLOWING GROUTING SEQUENCE
   - SEAL ALL GAPS BETWEEN WALL PANELS PRIOR TO THE START OF GROUTING.
   - DRILL GROUT HOLE AND INJECT GROUT. GROUT SUBSEQUENT LIFTS ONLY AFTER THE PREVIOUS LIFT HAS ACHIEVED A COMPRESSIVE STRENGTH OF 50 PSI.
   - PLACEMENT OF CLSM INTO THE SINKHOLES AT THE TOP OF THE WALL CANNOT TAKE PLACE UNTIL THE LEVELING PAD HAS BEEN REPLACED, THE BASE OF THE WALL IS SEALED, AND GROUTING BEHIND THE MSE WALL PANELS IS COMPLETE.
10. PLACEMENT OF CLASS III RIPRAP IN THE SCOUR HOLE AND THE RIPRAP CLASS II UP THE BANKS OF THE CHANNEL MAY RESUME AFTER COMPLETION OF OTHER WORK AT THE OUTLET OF THE CULVERT.
11. REMOVE THE STREAM DIVERSION CULVERT AND RETURN FLOW TO EXISTING CULVERT.
12. AFTER THE MSE WALL GROUT REPAIRS HAVE SUFFICIENTLY CURED, REPAIR OF THE ROADWAY EMBANKMENT AND SINKHOLES CAN COMMENCE.
    - REMOVE ORGANIC AND OTHER LOOSE MATERIAL AND PERFORM SHOULDER EXCAVATION.
    - PLACE SELECTED MATERIAL, TYPE A AS INDICATED IN THE PLANS AND SPECIFICATIONS.
    - GROUT SHALL BE PLACED TO A MINIMUM THICKNESS OF 6-INCHES ABOVE THE UPPER MOST MSE WALL REINFORCING STEEL STRIP.
13. CONSTRUCT PAVEMENT STRUCTURAL SECTION, DRAINAGE CURB, AND GUARDRAIL.
14. REMOVE TEMPORARY CONSTRUCTION ACCESS ROADS AND EQUIPMENT PADS, RE-ESTABLISH ANY DISTURBED SLOPES, PLACE TOPSOIL, AND SEED.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26
Signature Date

STATE OF ALASKA
49 TH
MICHAELLA KOZAK TINSLEY
CE 103455
5/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK:
UPPER & LOWER WALL REPAIRS

CONSTRUCTION PHASING PLAN

FILE	DATE	LAYOUT	DESIGNED	CHECKED	DRAFTED
C:\dowl_pw\d0401218\SA-CT-CP-S1.dwg	7/2/2024 13:08	S1	KOZAK TINSLEY	CHRISTIE	KIM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0093003/SFHWY00414	2024	S2	24

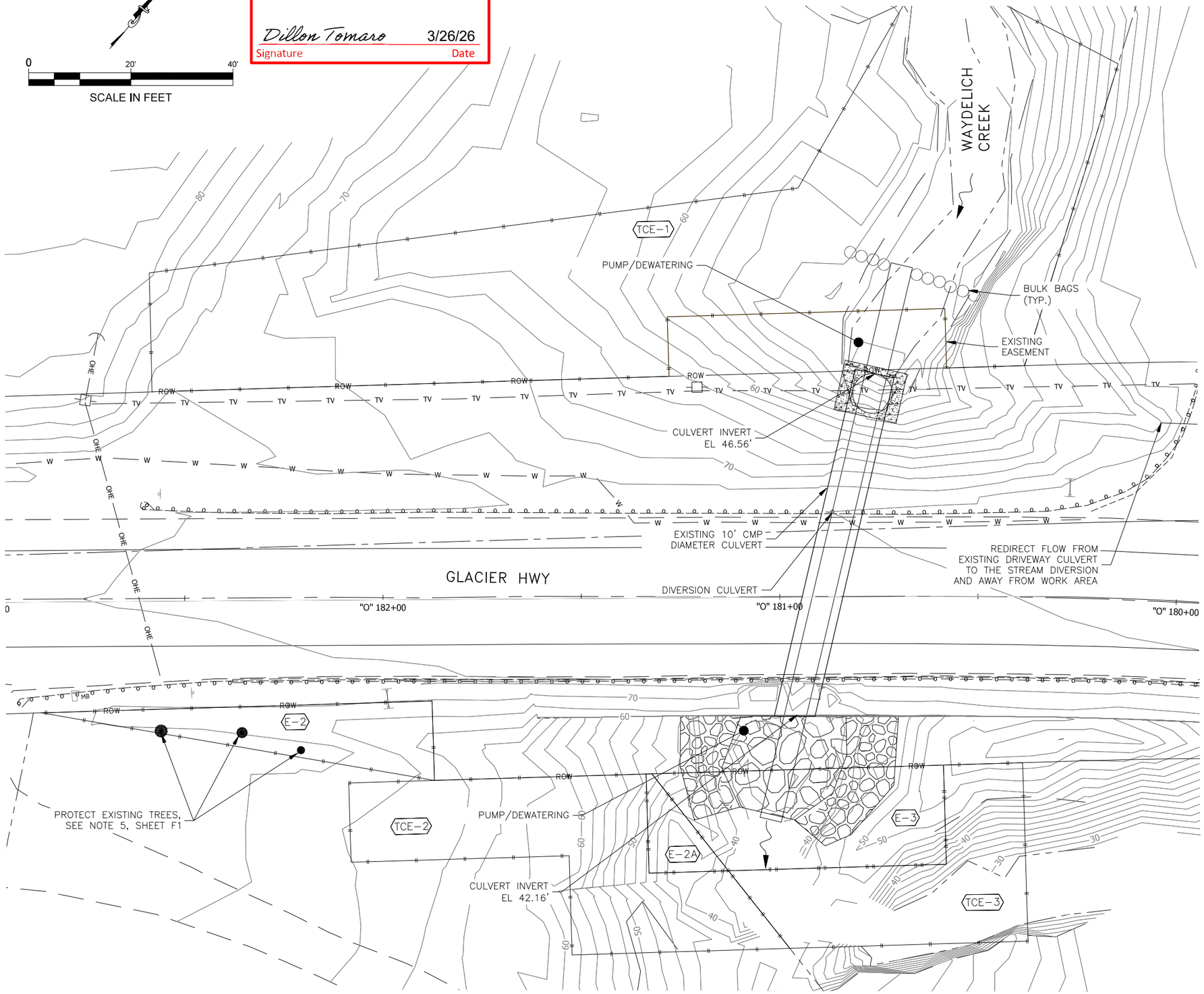
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

0 20' 40'

SCALE IN FEET



STREAM DIVERSION NOTES:

A COFFERDAM, OR OTHER DIVERSION STRUCTURE, MAY BE NEEDED TO REDUCE GROUNDWATER FLOW INTO EXCAVATED AREA. TEMPORARY DIKES OR BERMS MAY BE USED TO ISOLATE THE WORK AREA FROM WATERS OF THE SURROUNDING AREA. THIS WORK MAY REQUIRE A DIVERSION OF STREAM WATER. THE DESIGNERS RECOGNIZE THAT DIFFERENT CONTRACTORS WILL HAVE VARIOUS APPROACHES FOR CONTROLLING WATER AND CONSTRUCTION SEQUENCING. THIS DIVERSION PLAN HAS BEEN DEVELOPED TO CHECK FOR CONSTRUCTABILITY AND AS A STARTING POINT FOR A CONTRACTOR–GENERATED PLAN. CONTRACTOR MUST SUBMIT DIVERSION PLANS TO ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTATION.

DIVERSION PLAN:

1. PLACE BARRICADES, SIGNS AND/OR TEMPORARY ROAD DETOUR IN COMPLIANCE WITH SPECIFICATIONS. COORDINATE WITH CONTRACTORS WHO MAY BE PRESENT IN THE AREA.
2. NOTIFY ALL UTILITY COMPANIES PRIOR TO EXCAVATION.
3. ONE 66" MINIMUM DIAMETER (OR LARGER) CULVERT CAN BE USED THROUGH EXISTING CULVERT FOR DIVERSION. ESTIMATED 2–YEAR STORM FLOW IS 170 CFS. ANNUAL LOW FLOW PERIOD IS TYPICALLY FEBRUARY THROUGH APRIL.
4. DIVERSION MUST ALLOW MANEUVERABILITY/CLEARANCE FOR CONSTRUCTION OF OUTLET PROTECTION
5. USE BULK BAGS (SUPERSACKS) OVERLAYED WITH VISQUEEN TO DIVERT STREAM FLOW. LOCATION OF DIVERSION INLET/OUTLET IS APPROXIMATE AND SUBJECT TO SITE CONDITIONS AND METHODS.
6. REPAIR RETAINING WALL AND RECONSTRUCT INLET/OUTLET PROTECTION.
7. DIVERT CREEK FLOW THROUGH EXISTING 10' CULVERT.
8. REMOVE CULVERT OR OTHER MATERIAL AND EQUIPMENT USED FOR DIVERSION.
9. STABILIZE AND REVEGETATE ALL REMAINING DISTURBED AREAS.

DEWATERING NOTES:

1. DEWATER TRENCH AND WORK AREA WITH PUMP HOSE IF REQUIRED.
2. ALL DISCHARGE POINTS REQUIRE PERMANENT OR TEMPORARY VELOCITY CONTROLS.
3. SILT BAG OR SIMILAR DEVICE SHALL BE USED TO REDUCE SEDIMENT FROM PUMPING OPERATIONS. DISCHARGE POINT SHALL BE AT LEAST 100' FROM CREEK.
4. SEDIMENT REMOVAL FOR ALL DEWATERING ACTIVITY PRIOR TO DISCHARGE FROM THE PROJECT INTO ANY WATER OF THE U.S. MUST COMPLY WITH PERMITS.
5. PROVIDE SPARE (EXTRA) PUMPS FOR BOTH UPSTREAM AND DOWNSTREAM DEWATERING PUMP.
6. EXISTING RIPARIAN VEGETATION SHOULD BE PROTECTED TO MINIMIZE DISTURBANCE.
7. EROSION AND SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED TO MEET PERMIT REQUIREMENTS.
8. ALL DISTURBED GROUND CAPABLE OF SUPPORTING VEGETATION SHALL BE REVEGETATED FOR FINAL STABILIZATION. ALL AREAS NOT REVEGETATED FOR FINAL STABILIZATION SHALL BE 100% COVERED BY ROCK OR OTHER PERMANENT NON–ERODIBLE MATERIAL. FINAL STABILIZATION SHALL BE AS APPROVED BY THE ENGINEER.

STATE OF ALASKA 49TH
Bradley M. Melocik
CE-11098
05/10/2024
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

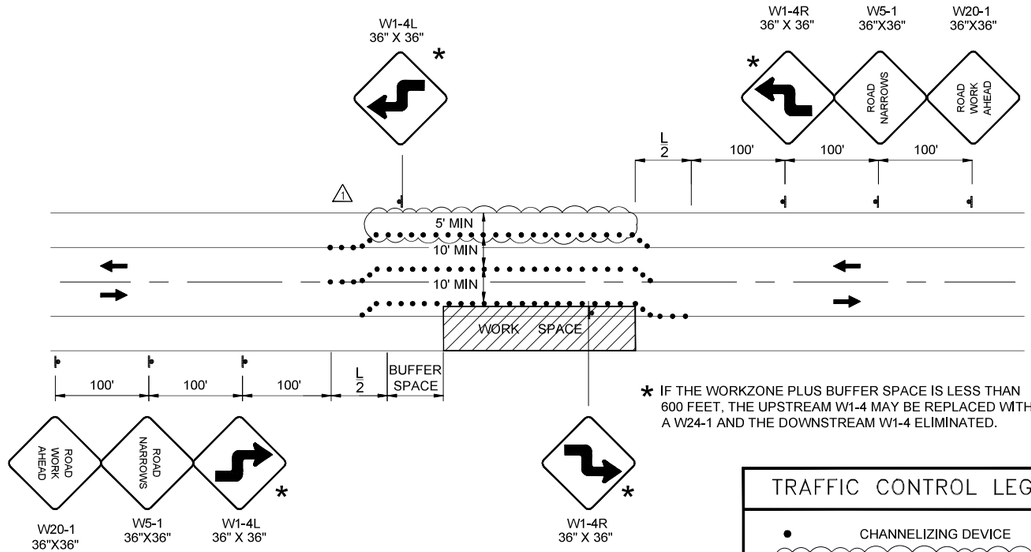
JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

STREAM DIVERSION PLAN

DATE 5/10/2024 15:41 | LAYOUT S2 | DESIGNED KOZAK TINSLEY | CHECKED CHRISTIE | DRAFTED KIM
FILE C:\dowl_pw\d0401218\SA-CT-CP-S2.dwg

Addendum #1 :Attachment #1

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	7/19/24	DELETED ITEM FROM LEGEND	ALASKA	0093003/SFHWY00414	2024	T1	23
1	7/19/24	REVISED TRAFFIC CONTROL NOTES 1 & 3					
1	7/19/24	REVISED TRAFFIC CONTROL DEVICE TYPE					



* IF THE WORKZONE PLUS BUFFER SPACE IS LESS THAN 600 FEET, THE UPSTREAM W1-4 MAY BE REPLACED WITH A W24-1 AND THE DOWNSTREAM W1-4 ELIMINATED.

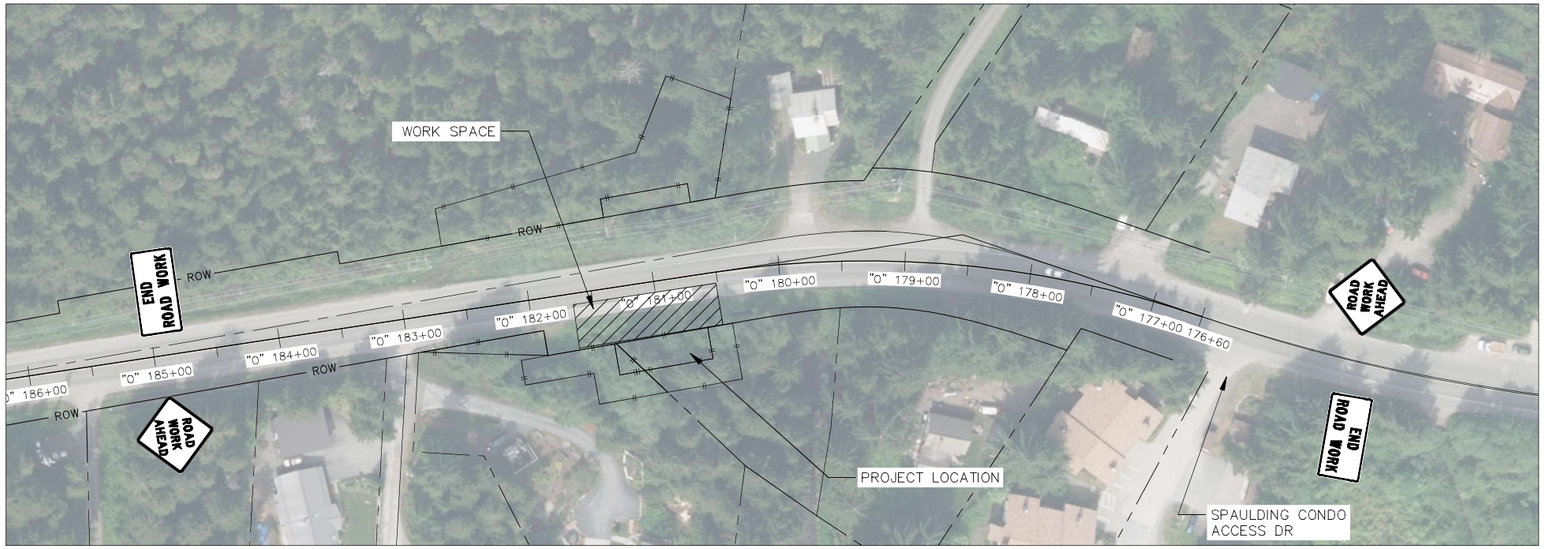
ROADWAY SHIFT

TRAFFIC CONTROL LEGEND

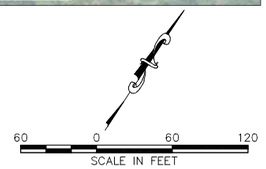
- CHANNELIZING DEVICE
- CONSTRUCTION SIGN
- FLAGGER
- TRAFFIC DIRECTION
- WORK SPACE

TRAFFIC CONTROL NOTES:

1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. ALL TCPs, INCLUDING A BICYCLE SPECIFIC TCP, SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PER SUB SECTION 643–1.03.
2. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'–0".
3. CONTRACTOR SHALL MAINTAIN A TEMPORARY BIKE PATH WITH MINIMUM WIDTH OF 5'–0" ALONG THE NORTH SIDE OF THE HIGHWAY. CHANNELIZATION DEVICES SHALL BE USED BETWEEN THE TRAFFIC LANE AND THE TEMPORARY BIKE PATH.
4. DRIVEWAYS MAY BE CLOSED DURING ACTUAL WORK ON A GIVEN DRIVEWAY, PROVIDED THAT THE CLOSURE DOES NOT EXCEED 8 HOURS FOR GRADING AND PAVING ACTIVITIES OR 4 DAYS FOR CONCRETE WORK, AND THE AFFECTED RESIDENTS HAVE BEEN GIVEN 24 HOURS NOTICE OF THE CLOSURE.
5. CONSTRUCTION SIGNS SHALL BE PLACED SUCH THAT THEY DO NOT OBSCURE EXISTING TRAFFIC SIGNS.
6. VERTICAL EDGES GREATER THAN 2" ARE NOT ALLOWED DURING NON–WORKING HOURS. LIMIT SHOULDER EXCAVATION TO AN AREA THAT CAN BE COMPLETELY BACKFILLED BY END OF WORK SHIFT.
7. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
8. ALL TEMPORARY TRAFFIC CONTROL DEVICES REMAINING IN–PLACE OVERNIGHT SHALL BE RETROREFLECTIVE AND/OR ILLUMINATED.



TCP SETUP TABLE									
SPEED (MPH)	MIN MERGING TAPER LENGTH (L) IN FEET WIDTH OF OFFSET (W) IN FEET			MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET			MAX DEVICE SPACING IN FEET		BUFFER SPACE IN FEET
	10'	11'	12'	10'	11'	12'	ALONG TAPER	ALONG TANGENT	
35	205	225	245	7	8	8	35	70	250



Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

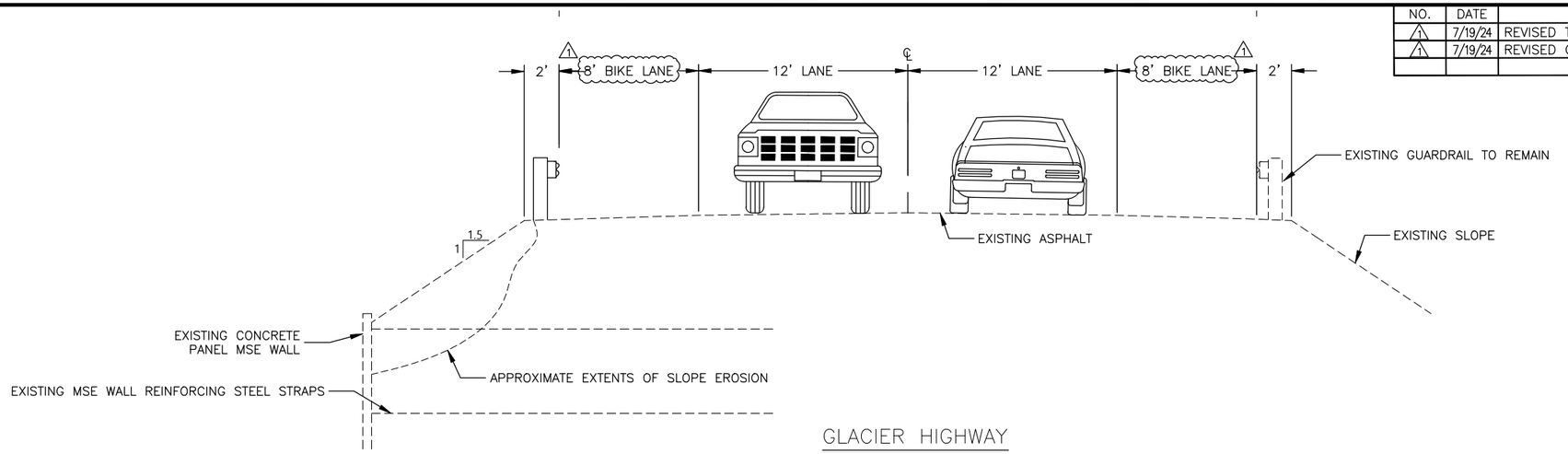
JNU WAYDELICH CREEK:
UPPER & LOWER WALL REPAIRS

TRAFFIC CONTROL PLAN

DESIGNED KOZAK TINSLEY | DRAFTED CHRISTIE | CHECKED KIM | LAYOUT T1 | DATE 7/18/2024 16:19 | FILE C:\dowl_pw\d0401218\SC-CT-TC-T-63330.04.dwg

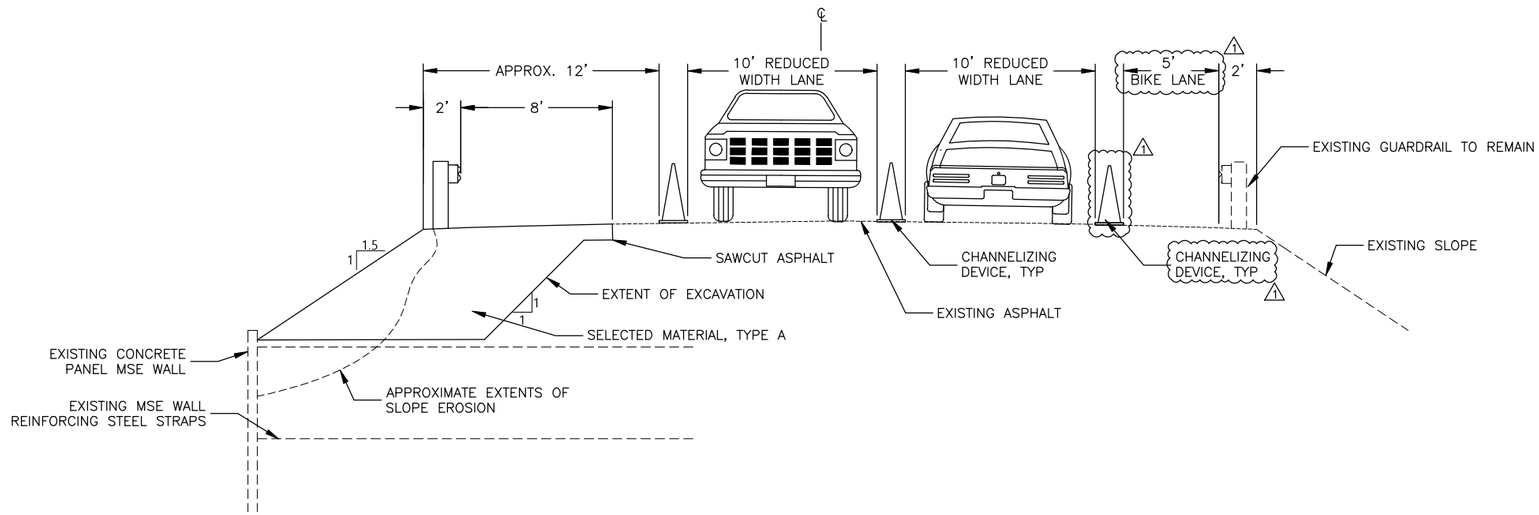
NO.	DATE	REVISION
2	7/19/24	REVISED TEXT
1	7/19/24	REVISED CHANNELIZING DEVICE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0093003/SFHWY00414	2024	T2	23



GLACIER HIGHWAY

EXISTING CONDITIONS
TWO–WAY TRAFFIC



GLACIER HIGHWAY

DURING CONSTRUCTION
TEMPORARY DOUBLE LANE SHIFT, TWO–WAY TRAFFIC

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK:
UPPER & LOWER WALL REPAIRS

TRAFFIC CONTROL SECTIONS

FILE	DATE	LAYOUT	DESIGNED	CHECKED	DRAFTED
C:\dowl_pw\d0401218\SC-CT-TC-T2-63330-04.dwg	7/18/2024 16:19	T2	KOZAK TINSLEY	CHRISTIE	KIM

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0093003/SFHWY00414	2024	T3	24

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Dillon Tomaro 3/26/26

Signature Date

300 0 300 600

SCALE IN FEET

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU WAYDELICH CREEK: UPPER & LOWER WALL REPAIRS

TRAFFIC CONTROL PLAN: TEMPORARY PEDESTRIAN DETOUR

FILE c:\dowl_pw\d0401218\SC-CT-TC-T3-63330.04.dwg
DATE 5/6/2024 15:22
LAYOUT T3
DESIGNED KOZAK TINSLEY CHECKED CHRISTIE DRAFTED KIM