

FILE: Q:\ktn\SFH\00181\Plans\00181_A1 - Segment 1.dwg
 DATE: 1/25/2024 14:05
 LAYOUT: A1 TITLE
 DESIGNED: BW, AH, RM
 CHECKED: BW
 DRAFTED: RM, AH, MU

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

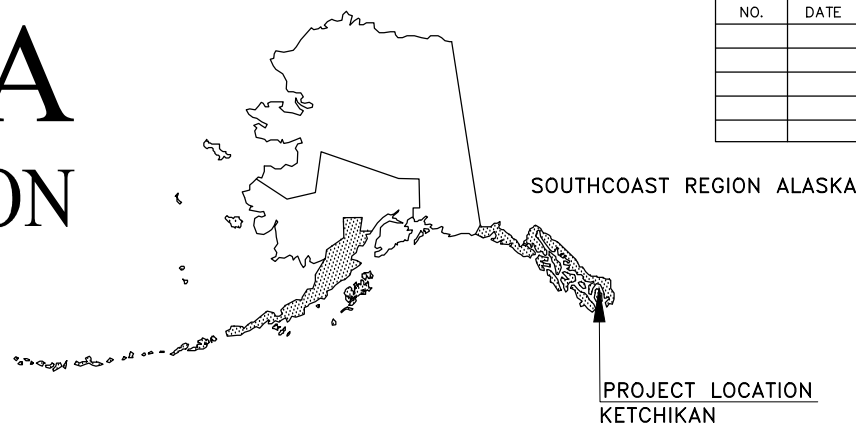
PLANSET A

KTN N TONGASS HWY RESURFACE: A/P F.T. TO WARD CREEK BRIDGE - STAGE 1

PROJECT NO. 0920031/SFH00536

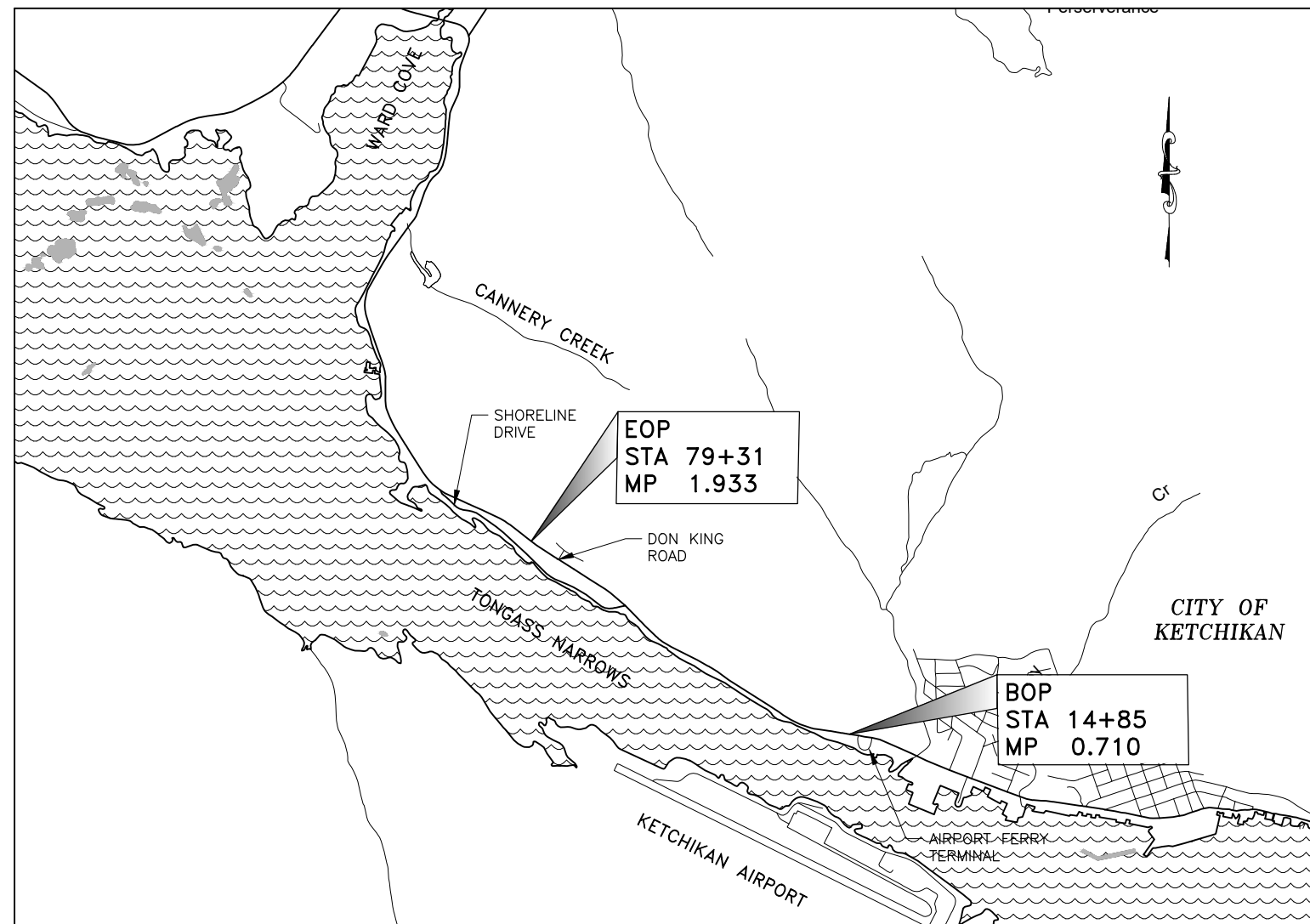
PAVING, SIGNING AND STRIPING, DRAINAGE, GRADING, CULVERTS

NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH00536	2024	A1	40
			CDS ROUTE: 291500		MILEPOINT: 0.710 TO 1.933		
			LATITUDE: 55°22'25.32"N		LONGITUDE: 131°43'20.71"W		



PROJECT SUMMARY	
KTN N TONGASS HWY RESURFACE: A/P F.T. TO WARD CREEK BRIDGE - STAGE 1	
WIDTH OF PAVEMENT	36' - 60'
LENGTH OF PAVING	6,446'
LENGTH OF PROJECT	6,446'

DESIGN DESIGNATIONS	
PROJECT TYPE	PREVENTIVE MAINTENANCE
FUNCTIONAL CLASS	MINOR ARTERIAL
ADT (2019)	9,593
ADT (2039)	10,084
DHV (2019)	10.12%
DHV (2039)	10.12%
PERCENT TRUCKS (T)	7.7%
DIRECTIONAL SPLIT (D)	50/50
DESIGN SPEED (V)	35/50 MPH
DESIGN EAL'S (15 YEARS)	1,500,000



VICINITY MAP

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

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99801
 (907) 465-1763

APPROVED: _____ DATE _____
 KIRK D. MILLER, P.E.
 REGIONAL PRECONSTRUCTION ENGINEER

CONCUR: _____ DATE _____
 CHRISTOPHER GOINS, P.E., C.M.
 DIRECTOR, SOUTHCOAST REGION

FILE Q:\Ktn\SFH\00181\Plans\A2 - Segment 1.dwg DATE 12/19/2023 8:50 LAYOUT A2 INDEX DESIGNED BW, AH, RM CHECKED BW, AH, RM DRAFTED RM, AH, WJ

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWHY00536	2024	A2	40

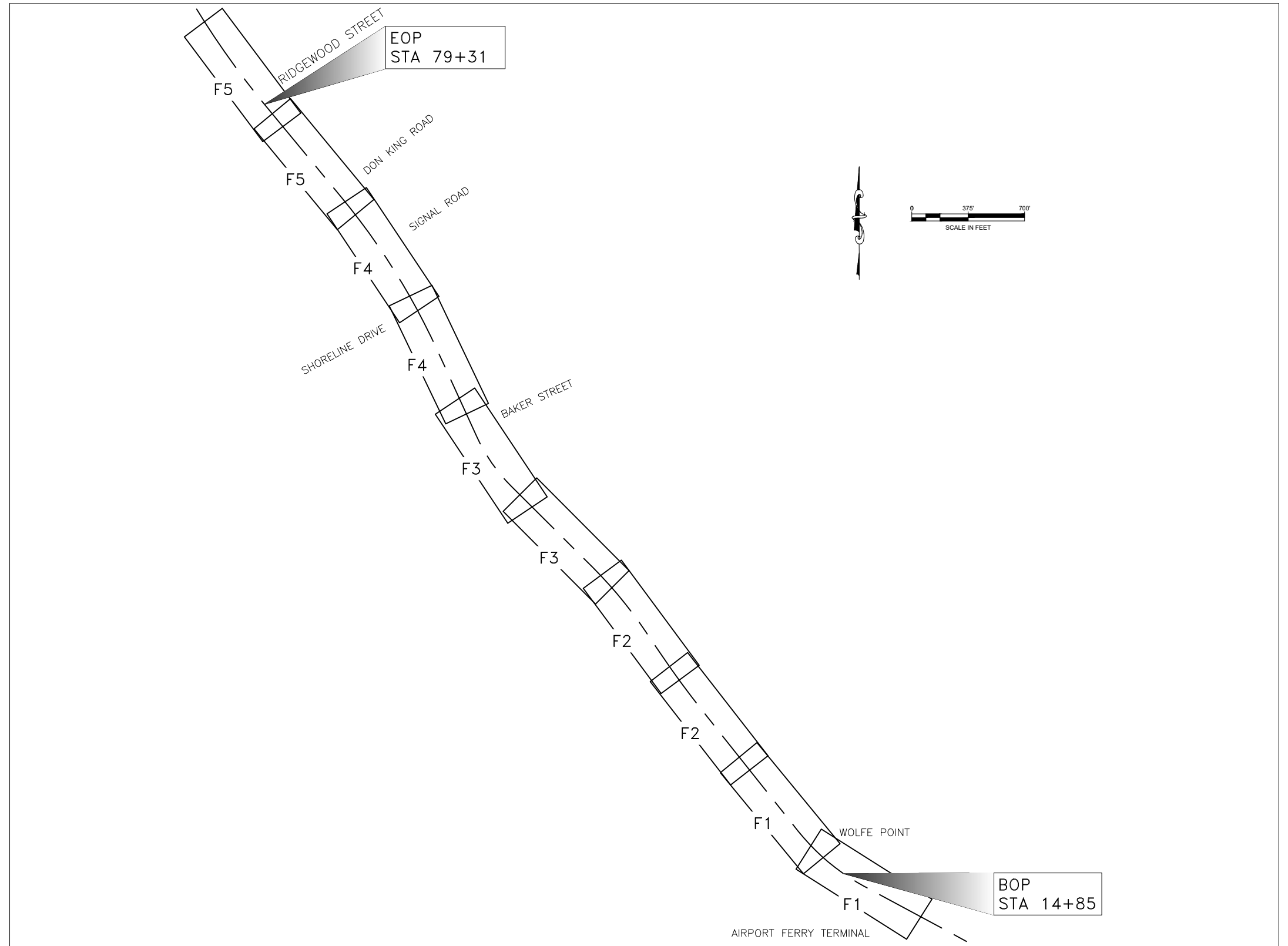
THE FOLLOWING STANDARD PLANS APPLY TO THIS PROJECT:

C-04.12	M-16.01
C-5.20	M-20.15
C-6.00	M-23.13
D-01.02	S-00.12
D-04.22	S-01.02
G-00.05	S-05.02
G-05.11S	S-20.11
G-05.11W	S-23.00
G-09.05S	S-30.05
G-10.21	S-31.02
G-11.01	S-32.02
G-14.01	T-06.00
G-20.12	T-20.04
G-26.00	T-21.04
M-13.01	T-22.04

GENERAL NOTES:

1. CONTAIN ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY, EXCEPT WHERE DEDICATED CONSTRUCTION EASEMENTS WERE OBTAINED FOR THE WORK. DO NOT DISPOSE OF EXCESS MATERIAL WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY CALLED FOR IN THE PLANS.

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LAYOUT & INDEX OF SHEETS
A3	LEGEND / SYMBOLS
SCS1-SCS8	SURVEY CONTROL
B1-B2	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1-D4	SUMMARIES
E1-E5	DETAILS
F1-F7	PLAN & PROFILE
H1-H7	SIGNING & STRIPING
P1-P5	ESCP
T1-T2	TRAFFIC CONTROL



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KTN N TONGASS HWY RESURFACE: A/P
F.T. TO WARD CREEK BRIDGE - STAGE 1

INDEX

FILE G:\Ktn\SFW\00181\Plan\00181_A3 - Segment 1.dwg DATE 12/27/2023 8:36 LAYOUT A3 LEGEND & ABBREVIATIONS B.W. AH. RM. CHECKED B.W. DRAFTED RM. AH. WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFWY00536	2024	A3	40

	RECOVERED	SET
BLM MONUMENT		
GLO MONUMENT		
USC&GS MONUMENT		
PRIMARY MONUMENT		
CENTERLINE MONUMENT IN CASING		
PRIMARY R.O.W. MONUMENT		
BEARING OBJECT		
MISCELLANEOUS MONUMENT		
LINE OF SIGHT MONUMENT		
CONCRETE R.O.W. MONUMENT		
BENCHMARK		
REBAR AND CAP		
REBAR		
IRON PIPE		
PK NAIL		
SPIKE		
HUB AND TACK		
CONSTRUCTION CENTERLINE		
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY LINE		
EXISTING PROPERTY LINE		
EXISTING EASEMENT LINE		
PROPOSED EASEMENT LINE		
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		
EXISTING ASPHALT CONCRETE EDGE		
GEOTEXTILE SEPARATOR		

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)		
FUEL LINE		
GAS LINE		
WATER LINE		
METER, VALVE, FIRE HYDRANT		
EXISTING STORM DRAIN (FLOW DIRECTION →)		
PROPOSED STORM DRAIN		
FIBER OPTIC LINE		
DIRECT BURIAL TELEPHONE CABLE		
DIRECT BURIAL ELECTRIC CABLE		
ELECTRIC LINE (OVERHEAD)		
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT		
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN OR DROP INLET		
MANHOLE		
SANITARY SEWER CLEAN OUT		
RIPRAP		
SPECIAL DITCH CENTERLINE		
HIGH TIDE LINE		
PAVEMENT RESURFACING		
PAVEMENT RECONSTRUCTION		
TREE CLEARING		
EASEMENTS		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
CURB AND GUTTER		
GUARDRAIL		
CULVERT PIPE		
SIGN		
TREE LINE		
WATER BOUNDARY		
ORDINARY HIGH WATER LINE		
FLOW CENTERLINE		
FLOW DIRECTION		
EXISTING BUILDINGS		
POST OR BOLLARD		
WELL OR MONITORING WELL		
SEPTIC PIPE		
FUEL TANK FILL PIPE/VENT		
SATELLITE DISH		
TEST HOLE		
CONIFER TREE		
DECIDUOUS TREE		
GRAVE		
THERMOSIPHON		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		

- H = HOUSE
- G = GARAGE
- M = MERCHANT/STORE
- B = BARN
- S = SHED
- P = PRIVY
- SS = SERVICE STATION
- W = WAREHOUSE

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		
JUNCTION BOX, TYPE II		
JUNCTION BOX, TYPE III		
LOOP DETECTOR		
PEDESTRIAN PUSH BUTTON		
SIGNAL POST W/O MAST ARM		
SIGNAL POLE W/MAST ARM		
SIGNAL CONTROLLER		
LOAD CENTER		
LUMINAIRE		

ABBREVIATIONS

AADT	AVERAGE ANNUAL DAILY TRAFFIC
ATB	ASPHALT TREATED BASE
AVE	AVENUE
BOP	BEGINNING OF PROJECT
CF	CUBIC FOOT
CMP	CORRUGATED METAL PIPE
CY	CUBIC YARD
D	DEPTH
DIA	DIAMETER
E	EASTING
EA	EACH
EOP	END OF PROJECT
ESCP	EROSION SEDIMENT CONTROL PLAN
EXST	EXISTING
FT	FOOT
HMA	HOT MIX ASPHALT
L	LENGTH
LT	LEFT
FT	FOOT
N	NORTHING
N/A	NOT APPLICABLE
NO	NUMBER
OD	OUTSIDE DIAMETER
P.E.	PROFESSIONAL ENGINEER
PD	PIPE DIAMETER
ROW	RIGHT-OF-WAY
RD	ROAD
RT	RIGHT
SP	SPUD
SY	SQUARE YARD
ST	STREET
STA	STATION
V	VELOCITY
W	WIDTH

DRAFT

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KTN N TONGASS HWY
 RESURFACE: A/P F.T. TO WARD
 CREEK BRIDGE - STAGE 1**
 LEGEND & ABBREVIATIONS

DESIGNED: J. PARSONS
 DRAFTED: J. PARSONS
 XREFS
 SCALE
 LAYOUT: SCS1
 DATE: 12/29/2023 15:11
 DRAWING LOCATION: G:\Ktn\SFH\00181\SV\C3D\BASEMAPS\SFH\00181_SCS_STAGE_1_122723.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFH00536	2024	SCS1	36

NORTH TONGASS HIGHWAY DESIGN ALIGNMENT STAGE 1									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L1	1+99.96	120482.90	92903.28	1124.00	N61° 41' 19"W	13+23.96			
C1	13+23.96	121015.97	91913.73			19+04.67	1433.49	580.71	23°12'38"
L2	19+04.67	121386.05	91471.38	1029.28	N38° 28' 41"W	29+33.95			
C2	29+33.95	122191.82	90830.95			33+82.80	6010.69	448.85	4°16'43"
L3	33+82.80	122553.61	90565.47	189.59	N34° 03' 52"W	35+72.39			
C3	35+72.39	122710.67	90459.27			41+25.72	2864.79	553.33	11°04'00"
L4	41+25.72	123136.90	90107.77	762.51	N45° 07' 52"W	48+88.23			
C4	48+88.23	123674.84	89567.36			52+92.73	1127.13	404.50	20°33'44"
L5	52+92.73	124005.01	89337.45	632.91	N24° 34' 08"W	59+25.64			
C5	59+25.64	124580.62	89074.30			71+30.56	4583.66	1204.91	15°03'41"
L6	71+30.56	125598.40	88435.86	772.81	N39° 37' 49"W	79+03.37			
C6	79+03.37	126193.60	87942.93			88+46.19	5729.58	942.83	9°25'42"
L7	88+46.19	126965.84	87403.89	172.45	N30° 12' 07"W	90+18.64			

COORDINATES LISTED ABOVE HOLD OVER DISTANCE AND BEARING

THE MAP PROJECTION USED THIS SURVEY

Name: KTN LDP GRID 2016
 Projection type: Transverse Mercator
 Latitude of grid origin: 55°10'00.0"N (55.166666666667)
 Central meridian (grid origin): 131°40'00.0"W (-131.666666666667)
 False Northing: 50000.0 ft
 False Easting: 100000.0 ft
 Grid scale factor: 1.000002
 Linear unit: Survey Feet
 Datum: D_NAD_1983_2011
 Ellipsoid: GRS_1980
 Semi-major axis (m): 6378137.0
 Inverse flattening: 298.257222101

VERTICAL CONTROL STATEMENT

ELEVATIONS LISTED ARE RELATIVE TO MEAN
 LOWER LOW WATER = 0.00' AND BASED ON TIES
 TO N.O.A.A. NATIONAL OCEAN SERVICE TIDE
 STATION AND BENCHMARK SERIES 9450460 TIDAL
 EPOCH 1/1983 – 12/2001 PUBLISHED 9/27/2011
 LOCATED AT U.S.C.G STATION IN KETCHIKAN.

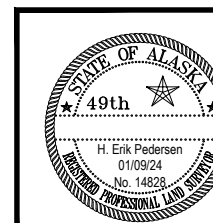
Survey Control Table						
Point #	Northing	Easting	Elevation	Description	Station	Offset
4	120184.94	92717.62	23.38	GPS_DOT_ALCAP2"	2+22.11	350.37L
6	120808.28	91962.86	29.71	GPS_DOT_ALCAP2"	11+82.20	159.55L
100	128495.59	85788.62	21.67	BC2"_95-K-1_DOT	110+40.69	179.03L
505	120823.74	92233.68	30.51	SURVSPIKE	9+51.12	17.50L
506	121375.14	91459.08	32.37	SURVSPIKE	19+03.79	16.41L
507	123506.09	89762.76	37.10	SURVSPIKE	46+30.69	18.25R
508	124455.59	89153.86	48.79	SURVSPIKE	57+78.85	20.38R
509	126713.62	87536.98	74.52	SURVSPIKE	85+62.08	18.92L
1021	126289.47	87844.03	97.91	MAG/WASH_FND_DOT&PF	80+39.90	16.66L
1022	126443.90	87721.80	89.22	MAG/WASH_FND_DOT&PF	82+36.19	20.36L

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.

Shoulder Monuments To Be Used For Additional Survey Control						
Point #	Northing	Easting	Elev	Description	Station	Offset
102	121071.45	91788.84	28.03	BC NT-2_SH MON	14+58.84	16.80L
111	127434.17	87107.17	53.22	BC NT-11_SH MON	93+99.31	17.30R
504	120606.54	92627.68	27.81	3.5"ALCAP_SH MON	5+01.23	21.85L

ALL SHOULDER 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.
 WHEN POSSIBLE ALL ORIGINAL PRIMARY MONUMENTS SHALL BE
 SAVED AND RESET IN THEIR ORIGINAL HORIZONTAL POSITION

SHOULDER MONUMENTS MAY BE USED AS SURVEY CONTROL.



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 6860 Glacier Highway Juneau Ak. 99801
 (907) 465-1763
**KTN N. TONGASS HWY RESURFACE:
 A/P FERRY TERM TO WARD CREEK
 BRIDGE STAGE 1
 SURVEY CONTROL**

DESIGNED: J.P.ABOLO
 DRAFTED: J.P.ABOLO
 XREFS:
 SCALE:
 LAYOUT: SC2
 DATE TIME: 12/29/2023 15:11
 DRAWING LOCATION: G:\Ktn\SFWHY00181\SV\C3D\BASEMAPS\SFWHY00181_SCS_STAGE_1_122723.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFWHY00536	2024	SCS2	36

Existing Property						
Point #	Northing	Easting	Description	Station	Offset	
1000	121028.84	91990.24	ALCAP3.25"_S1687/S1083/ROW	12+62.70	47.61R	
1001	125610.33	88487.82	ALCAP2"_LOT2A1/ROW	71+06.85	47.69R	
1002	125715.88	88570.60	ALCAP2"_LOT2A/ROW	71+35.09	178.70R	
1003	125754.57	88538.94	ALCAP2"_LOT4/ROW	71+85.09	179.00R	
1004	125672.56	88439.24	ALCAP2"_ROW/LOT4	71+85.52	49.91R	
1005	125751.09	88375.84	ALCAP2"_RUBBEDOFF	72+86.43	51.17R	
1006	125993.44	88176.22	REBAR_NOCAP	76+00.41	52.01R	
1007	126032.03	88145.27	REBAR_NOCAP	76+49.87	52.78R	
1008	126106.72	88081.51	IP2"_FND	77+48.07	51.32R	
1009	126145.49	88049.69	IP1"_FND	77+98.22	51.53R	
1011	123541.21	89650.82	PLASCAP_GT_LANDSURVEY	47+34.81	35.82L	
1012	123646.16	89655.20	REBAR_NOCAP	48+05.75	41.65R	
1014	124266.07	89174.29	ALCAP2"_FND_DAMAGED	55+97.99	39.84L	
1015	124360.55	89196.02	ALCAP2"_R&M_SL.6	56+74.88	19.20R	
1016	125249.09	88734.52	SPIKE_WASH_FND	66+73.27	30.16R	
1017	125084.85	88731.71	ALCAP2"_FND	65+36.68	61.80L	
1018	126141.67	87921.65	BC3"_ROW/LOT/LOT	78+76.95	49.51L	
1019	126264.42	87954.28	ALCAP2"_ROW/LOT10	79+51.12	53.71R	
1020	126238.14	87975.79	ALCAP2"_ROW/LOT10	79+16.84	53.69R	
1023	126756.32	87591.77	SPINHOLE_ALCAP2"	85+68.06	50.28R	
1024	127112.39	87374.11	ALCAP2"_ROW/LOT5-TRA	89+87.83	47.98R	
1025	126705.63	87506.73	PLASCAP_DAVIS	85+71.80	48.64L	
1027	126937.01	87479.77	ALCAP2"_LS7217_1986	87+82.55	50.72R	
1059	128700.43	85543.22	SPIKE_L3A	112+91.03	313.20L	
1060	128751.20	85522.15	ALCAP2"_UAF/MLA-KTN1	113+36.57	315.76L	
1061	128772.25	85473.77	SPIKE_L3A	113+65.51	354.97L	
1062	128668.08	85365.73	SPIKE_L3A	113+15.67	490.91L	
1073	130568.82	85089.18	ALCAP3.25"_ATS78/TRA/C1/MC	130+33.57	441.66L	
1074	130600.94	85109.23	REBAR_FND	130+60.29	425.79L	
1075	130414.97	85213.37	ALCAP3.25"_ATS78/TRA/C6/MC	129+18.36	305.64L	

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, OR 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.

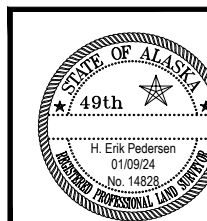
Shoulder Monuments To Be Referenced and Replaced						
Point #	Northing	Easting	Elev	Description	Station	Offset
103	121680.87	91215.20	48.20	BC NT-3_SH MON	22+94.86	17.11L
104	122115.59	90869.82	64.84	BC NT-4_SH MON	28+50.08	17.01L
105	122602.56	90554.41	61.73	BC NT-5_SH MON	34+29.54	18.26R
106	123165.84	90104.08	41.67	BC NT-6_SH MON	41+48.75	17.91R
107	123900.75	89370.44	43.42	BC NT-7_SH MON	51+85.79	18.50L
108	125015.61	88876.23	66.51	BC NT-8_SH MON	64+01.80	25.58R
109	125612.19	88401.57	102.08	BC NT-9_SH MON	71+63.04	17.61L
110	126044.67	88042.36	105.66	BC NT-10_SH MON	77+25.25	18.42L

ALL SHOULDER 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. WHEN POSSIBLE ALL ORIGINAL PRIMARY MONUMENTS SHALL BE SAVED AND RESET IN THEIR ORIGINAL HORIZONTAL POSITION

SHOULDER MONUMENTS MAY BE USED AS SURVEY CONTROL.

Existing Property To Be Referenced & Replaced					
Point #	Northing	Easting	Description	Station	Offset
1013	123964.84	89314.69	REBAR_FND_NOCAP	52+66.53	37.72L

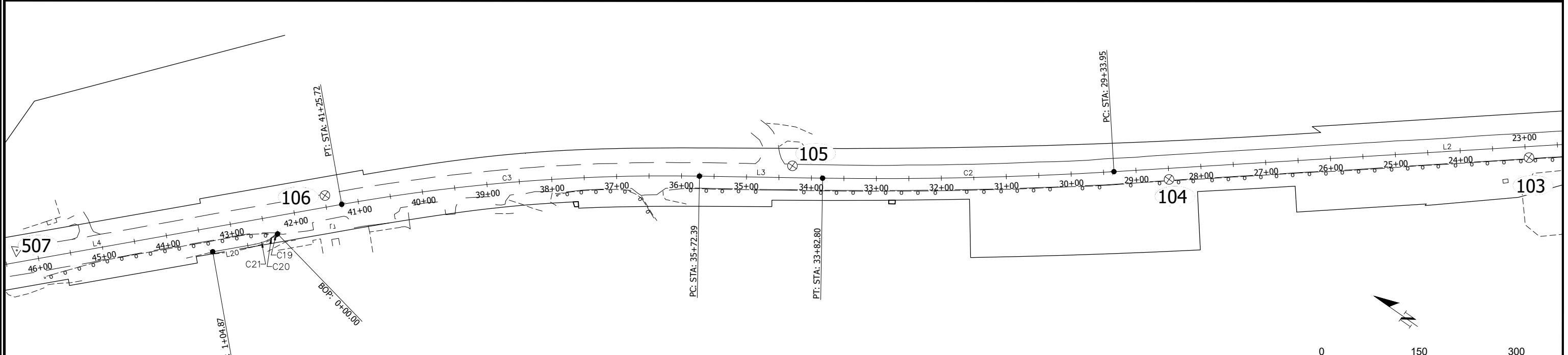
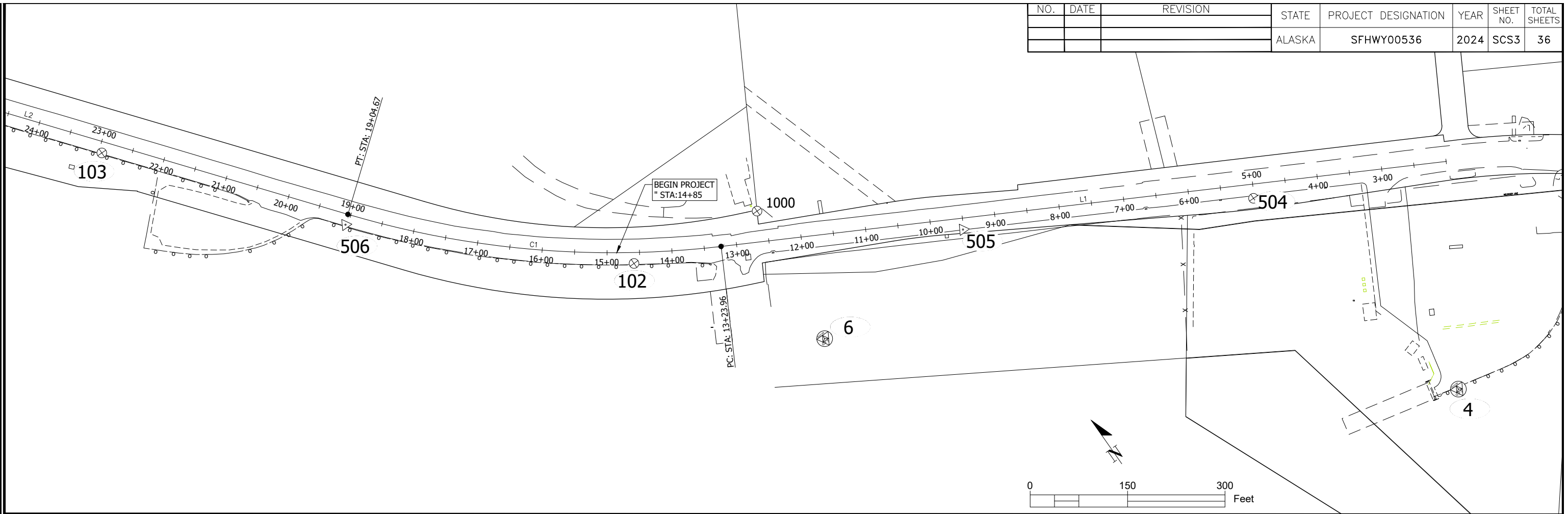
PROPERTY MONUMENT IN THIS TABLE SHALL BE REFERENCED PRIOR TO DISTURBANCE FROM CONSTRUCTION AND RE-ESTABLISHED IN THEIR ORIGINAL HORIZONTAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH A.S.34.65.040 SHALL BE SUBMITTED TO DOT FOR REVIEW PRIOR TO RECORDING.



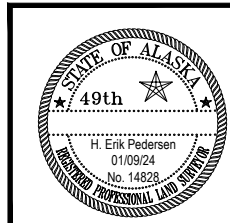
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
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 6860 Glacier Highway Juneau Ak. 99801
 (907) 465-1763
**KTN N. TONGASS HWY RESURFACE:
 A/P FERRY TERM TO WARD CREEK
 BRIDGE STAGE 1
 SURVEY CONTROL**

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHwy00536	2024	SCS3	36

DESIGNED: J.P.ABOI
 DRAFTED: J.P.ABOI
 XREFS
 SCALE
 LAYOUT: SCS3
 DATE TIME: 12/29/2023 15:11
 DRAWING LOCATION: G:\Ktn\SFHwy00181\SV\C3D\BASEMAPS\SFHwy00181_SCS_STAGE_1_122723.dwg



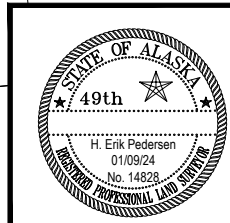
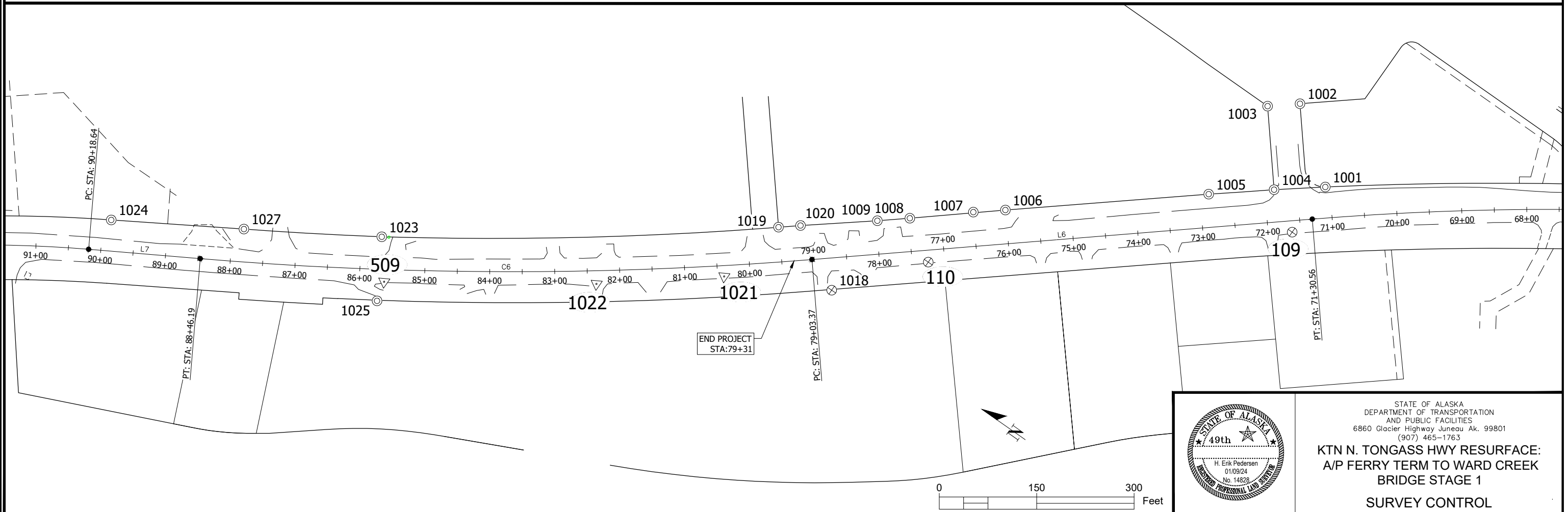
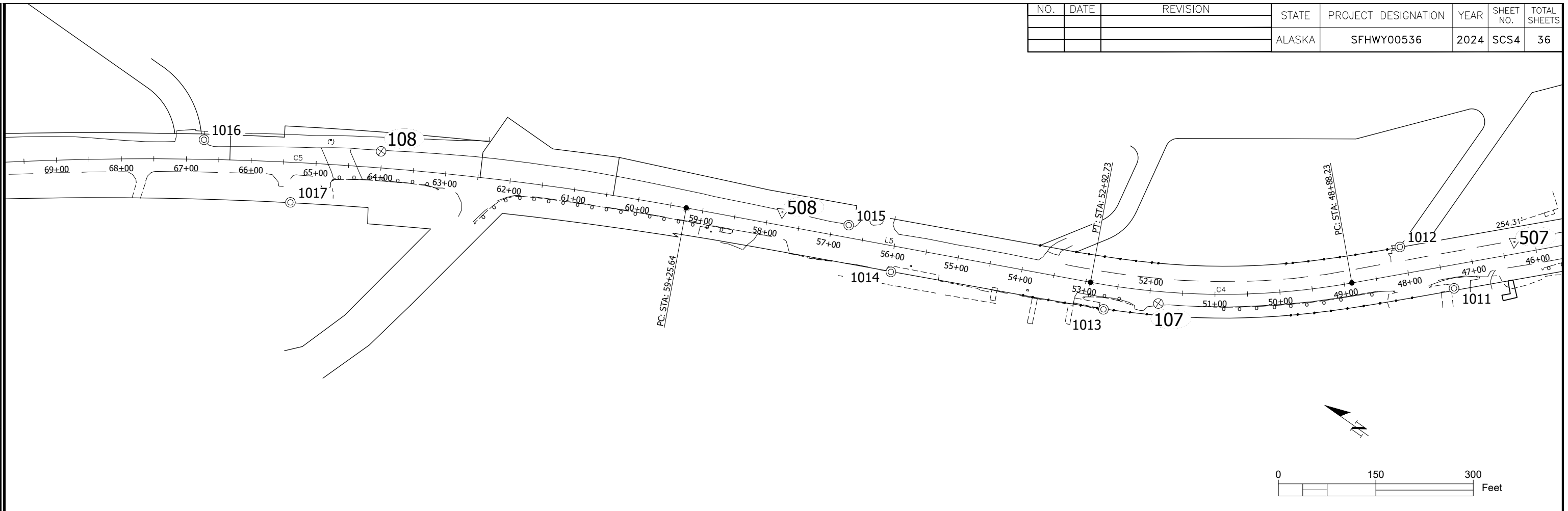
NORTH TONGASS DITCH CENTERLINE 42+31 Lt									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
C19	0+00.00	123191.70	90013.75			0+07.23	41.05	7.23	10°05'40"
C20	0+07.23	123193.70	90006.81			0+18.54	84.47	11.31	7°40'18"
C21	0+18.54	123198.67	89996.66			0+38.63	77.47	20.09	14°51'22"
L20	0+38.63	123210.88	89980.77	66.24	N45° 02' 11"W	1+04.87			



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 6860 Glacier Highway Juneau Ak. 99801
 (907) 465-1763
**KTN N. TONGASS HWY RESURFACE:
 A/P FERRY TERM TO WARD CREEK
 BRIDGE STAGE 1
 SURVEY CONTROL**

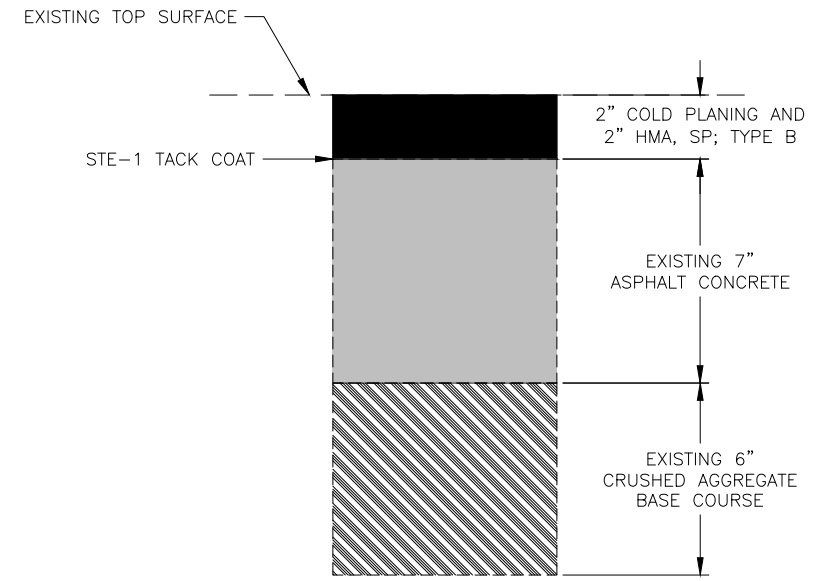
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHwy00536	2024	SCS4	36

DESIGNED: J. PARO
 CHECKED: J. PARO
 DRAFTED: J. PARO
 XREFS
 SCALE
 LAYOUT: SC4
 DATE: 12/29/2023 15:11
 TIME
 DRAWING LOCATION
 G:\Ktn\SFHwy00181\SV\C3D\BASEMAPS\SFHwy00181_SCS_STAGE_1_122723.dwg

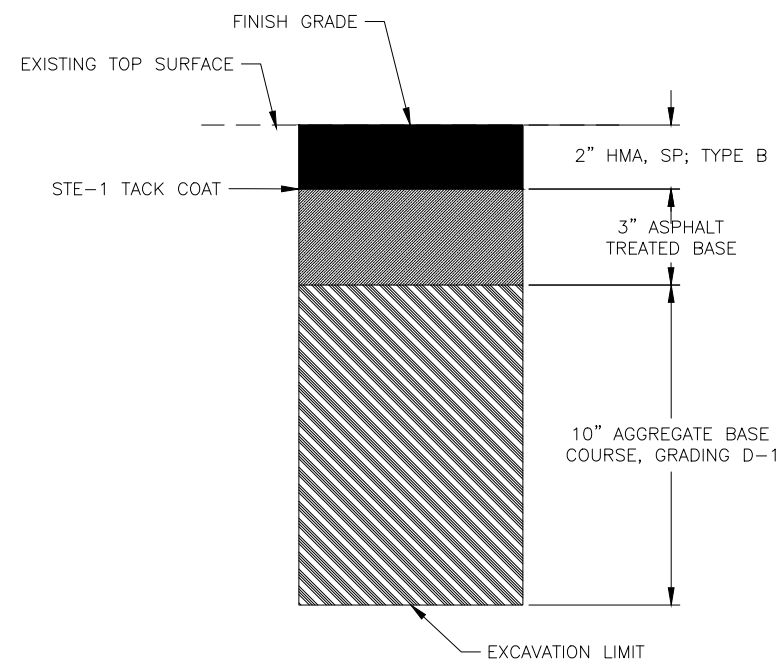


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 A/P FERRY TERM TO WARD CREEK
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 SURVEY CONTROL**

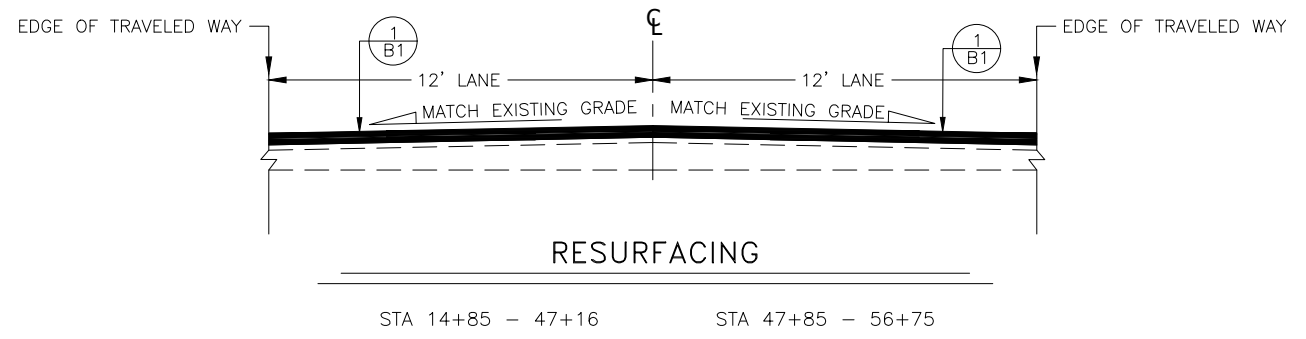
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWHY00536	2024	B1	40



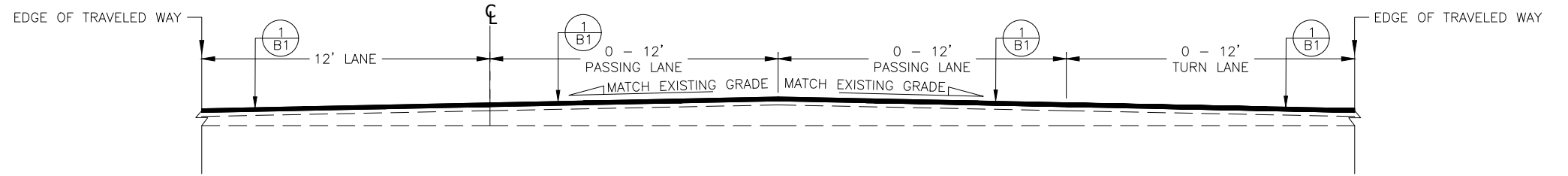
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B1
PAVEMENT SECTION DETAIL
RESURFACING
NOT TO SCALE



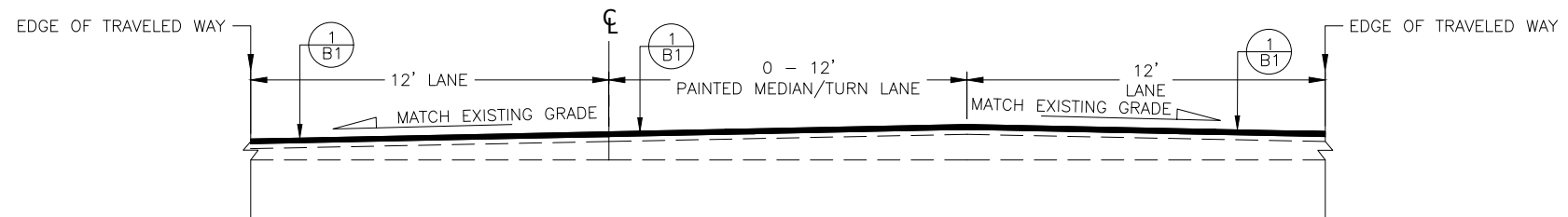
2
B1
PAVEMENT SECTION DETAIL
RECONSTRUCTION
NOT TO SCALE



- 1. MATCH EXISTING SUPERELEVATIONS



- 1. MATCH EXISTING SUPERELEVATIONS



- 1. MATCH EXISTING SUPERELEVATIONS

DRAFT

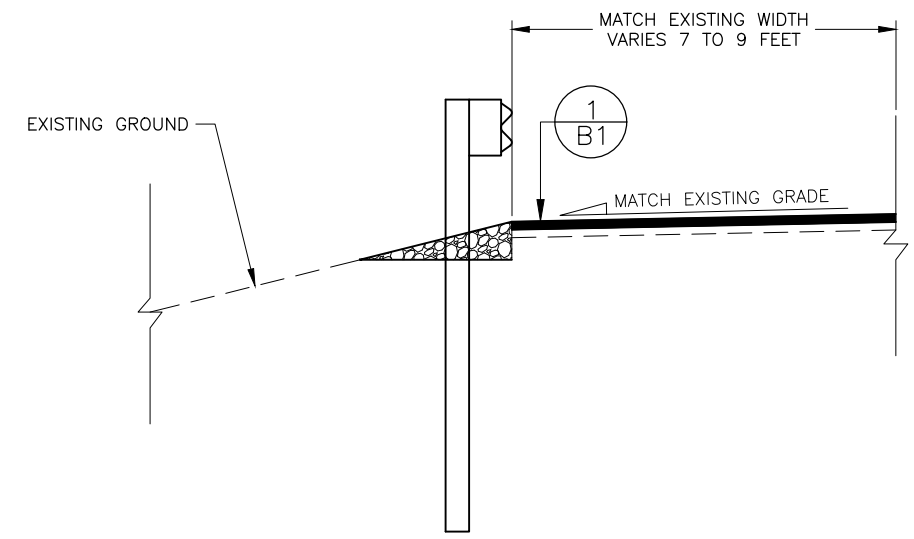
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KTN N TONGASS HWY
RESURFACE: A/P F.T. TO WARD
CREEK BRIDGE - STAGE 1

TYPICALS

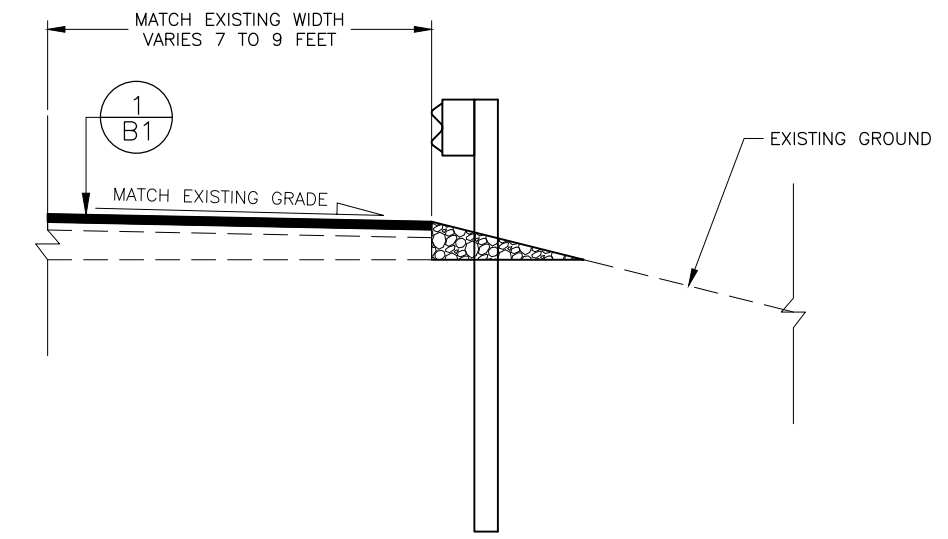
FILE G:\Ktn\SFHWHY00181\PlanSet\00181_B1-B2 - Segment 1.dwg DATE 1/3/2024 13:28 LAYOUT B1 TYPICALS DESIGNED BW, AH, RM CHECKED BW, AH, RM DRAFTED RM, AH, WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWHY00536	2024	B2	40



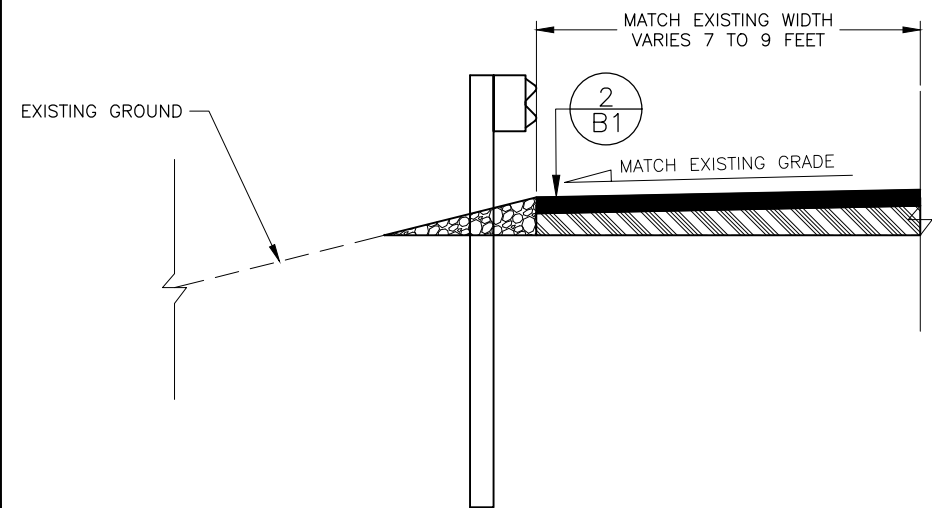
SHOULDER RESURFACING

STA 14+85 - 38+50 STA 47+85 - 55+50
 STA 43+00 - 47+16 STA 60+50 - 79+31



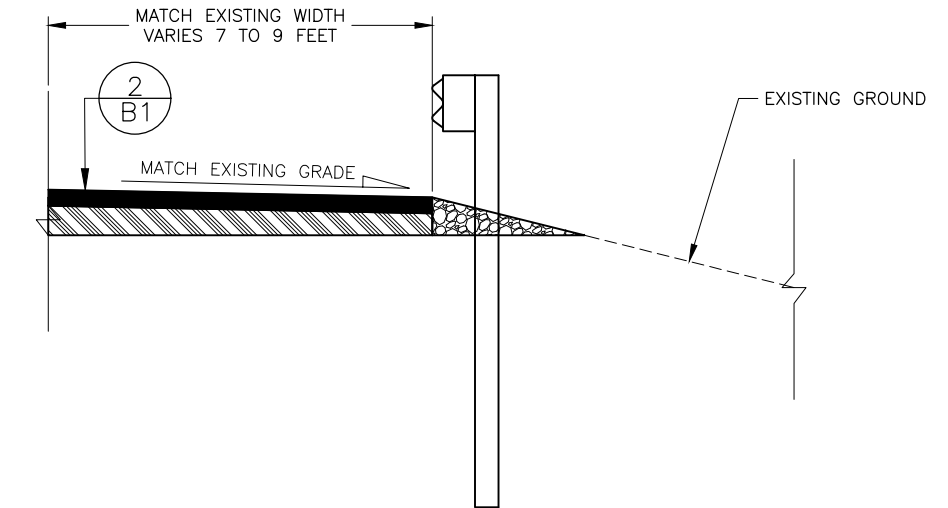
SHOULDER RESURFACING

STA 14+85 - 34+00 STA 39+00 - 54+50 STA 59+50 - 79+31



SHOULDER RECONSTRUCTION

STA 38+50 - 43+00 STA 55+50 - 60+50



SHOULDER RECONSTRUCTION

STA 34+00 - 39+00 STA 54+50 - 59+50

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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

KTN N TONGASS HWY
 RESURFACE: A/P F.T. TO WARD
 CREEK BRIDGE - STAGE 1
 TYPICALS

FILE G:\Ktn\SFHWHY00181\PlanSet\00181_B1-B2 - Segment 1.dwg DATE 1/3/2024 13:28 LAYOUT B2 TYPICALS DESIGNED BW AH RM CHECKED BW AH RM DRAFTED RM AH WU

FILE G:\ktn\SFH\00181\Plans\00181_C1 - Segment 1.dwg DATE 2/9/2024 14:27 LAYOUT C1 SUMMARY DESIGNED BW, AH, RM CHECKED BW DRAFTED RM, AH, WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\00536	2024	C1	40

ESTIMATE OF QUANTITIES			
ITEM NO	PAY ITEM	Pay Unit	QUANTITY
201.0009.0000	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
201.2001.0000	INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL	SQUARE YARD	16,687
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	2,883
202.0004.0000	REMOVAL OF CULVERT	LINEAR FOOT	1,186
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	459
301.0001.0001	AGGREGATE BASE COURSE, GRADING D-1	TON	2,150
303.0001.0000	RECONDITIONING	STATION	1.04
303.2001.0000	LINEAR GRADING	LINEAR FOOT	11,820
306.0001.0000	ATB	TON	427
306.0002.6428	ASPHALT BINDER, GRADE PG 64-28	TON	22
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	TON	15
408.2001.000B	HMA, SP; TYPE B	TON	3,806
408.2004.6428	ASPHALT BINDER, GRADE PG 64-28	TON	229
408.2008.000B	HMA PRICE ADJUSTMENT, SP; TYPE B	CONTINGENT SUM	ALL REQUIRED
408.2009.0000	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
408.2010.0002	PAVEMENT SMOOTHNESS PRICE ADJUSTMENT, METHOD 2	CONTINGENT SUM	ALL REQUIRED
408.2015.0000	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
410.2001.0000	PAVEMENT COLD PLANING	SQUARE YARD	33,100
603.0021.0018	CORRUGATED POLYETHYLENE PIPE 18 INCH	LINEAR FOOT	747
603.0021.0024	CORRUGATED POLYETHYLENE PIPE 24 INCH	LINEAR FOOT	417
603.2019.0024	LINER FOR STORM DRAIN 24 INCH	LINEAR FOOT	425
603.2019.0036	LINER FOR STORM DRAIN 36 INCH	LINEAR FOOT	129
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	1
606.0001.0000	W-BEAM GUARDRAIL	LINEAR FOOT	3,543
606.0002.0000	THRIE BEAM GUARDRAIL	LINEAR FOOT	75
606.0006.0000	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	3,543
606.0013.0000	PARALLEL GUARDRAIL TERMINAL	EACH	11
610.0002.0000	DITCH LINING	TON	31
611.0002.0001	RIPRAP, CLASS I	TON	175
613.0002.0000	CULVERT MARKER POST	EACH	31
615.0001.0000	STANDARD SIGN	SQUARE FOOT	216.6
630.0002.0000	GEOTEXTILE, STABILIZATION, CLASS 1	SQUARE YARD	287
634.0002.0000	GEOGRID, REINFORCEMENT, CLASS 1	SQUARE YARD	156
639.2000.0000	APPROACH	EACH	30
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
640.0004.0000	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641.0003.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
641.0005.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED
641.0006.0000	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642.0004.0000	SET PRIMARY MONUMENT	EACH	8
642.0009.0000	REFERENCE EXISTING MONUMENT	EACH	8
642.0010.0000	MONUMENT CASE	EACH	8
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
643.0025.0000	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
645.0001.0000	TRAINING PROGRAM, 1 TRAINEE / APPRENTICE	LABOR HOUR	500
670.0008.0000	RECESSED PAVEMENT MARKER	EACH	122
670.2002.0000	MMA PAVEMENT MARKINGS, INLAID	LUMP SUM	ALL REQUIRED

BASIS OF ESTIMATE		
ITEM NO.	PAY ITEM	ESTIMATING FACTORS
301.0001.0001	AGGREGATE BASE COURSE, GRADING D-1	125 LB/CF
306.0001.0000	ATB	150 LB/CF
306.0002.6428	ASPHALT BINDER, GRADE 64-28	5% OF ITEM 306.0001.0000
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY (243 GAL/TON)
408.2001.000B	HMA, SP; TYPE B	150 LB/ CF
408.2004.6428	ASPHALT BINDER, GRADE 64-28	6% OF ITEM 408.2001.000B
508.0001.0000	WATERPROOFING MEMBRANE	3240 SF OF MEMBRANE FOR CANNERY CREEK BRIDGE
610.0002.0000	DITCH LINING	135 LB/CF
611.0002.0001	RIPRAP, CLASS 1	125 LB/CF; ASSUME FOR STABILIZATION 5' ON BOTH SIDES OF THE CULVERT, 2' ABOVE, and 10' BELOW WILL BE REQUIRED FOR STABILIZATION

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KTN N TONGASS HWY RESURFACE: A/P
F.T. TO WARD CREEK BRIDGE - STAGE 1

SUMMARY

FILE G:\Ktn\SFH\00181\Plans\00181_D1-D9 - Segment 1.dwg DATE 2/9/2024 14:30 LAYOUT D1 SUMMARY BW AH RM CHECKED BW DRAFTED RM AH WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\00181	2024	D1	40

[201.0009.0000] CLEARING AND GRUBBING			
STATION	OFFSET	AREA (SF)	NOTES
23+76	LT	905	P-10 OUTLET
32+76	LT	205	P-11 OUTLET
34+82	LT	855	P-13 OUTLET
35+91	LT	480	P-14 OUTLET
37+17	LT	915	P-15 OUTLET
37+56	LT	835	P-16 OUTLET
43+04	LT	2320	P-17 OUTLET
44+92	LT	680	P-18 OUTLET
46+54	LT	238	P-20 OUTLET
48+79	LT	206	P-22 OUTLET
51+05	LT	560	P-23 OUTLET
52+66	LT	20	P-24A OUTLET
TOTAL		8219	

[202.0002.0000] REMOVAL OF PAVEMENT			
STATION		AREA (SY)	COMMENTS
START	END		
29+10	29+80	156	SHALLOW EMBANKMENT FAILURE
34+00	39+00	445	RIGHT HAND SHOULDER
38+50	43+00	837	LEFT HAND SHOULDER AND DRIVEWAY
53+39	53+77	41	BAKER STREET APPROACH
54+50	59+50	445	RIGHT HAND SHOULDER
55+50	60+50	445	LEFT HAND SHOULDER
61+79	63+30	223	SHORELINE DRIVE APPROACH
71+16	71+91	162	DON KING ROAD APPROACH
TOTAL		2754	

[202.0004.0000] REMOVAL OF CULVERT PIPE								
PIPE NO.	LENGTH (FT)	INLET			OUTLET			NOTES (*ALL DEPTHS ARE TAKEN FROM THE EXISTING EDGE OF SHOULDER TO PIPE INVERT)
		STATION	OFFSET	DEPTH (FT)	STATION	OFFSET	DEPTH (FT)	
P-8	139	16+09	RT	5.9	16+21	LT	12.1	
P-9	41	18+77	RT	4.8	18+75	RT	8.4	
P-11	66	32+74	RT	3.6	32+76	LT	5.6	
P-14	69	35+89	RT	4.4	35+91	LT	6.5	
P-16	69	37+73	RT	4.4	37+57	LT	6.5	
P-21	47	47+96	RT	2.6	48+33	RT	3.0	
P-24	37	53+75	RT	3.4	53+39	RT	3.2	
P-24A	120	53+85	LT	3.6	52+66	LT	4.1	
P-25	82	56+72	RT	2.6	55+91	RT	3.1	
P-28	30	65+34	LT	3.1	65+63	LT	3.0	
P-29	55	67+21	RT	2.2	66+67	RT	2.3	
P-30	35	67+86	LT	3.0	67+52	LT	2.9	
P-31	33	72+12	LT	2.9	71+80	LT	2.8	
P-32	32	73+64	LT	2.6	73+32	LT	3.0	
P-33	32	74+96	LT	2.0	74+65	LT	2.4	
P-34	83	75+13	RT	2.4	75+96	RT	2.4	
P-35	32	75+36	LT	2.0	75+68	LT	2.3	
P-36	52	77+52	RT	2.5	78+04	RT	2.6	
P-37	33	78+21	RT	2.8	78+54	RT	3.0	
P-38	36	78+05	LT	2.4	78+40	LT	2.9	
P-39	32	78+72	RT	2.5	79+03	RT	2.6	
P-40	31	78+75	LT	3.0	79+06	LT	2.8	
TOTAL		1186						

[203.0003.0000] UNCLASSIFIED EXCAVATION			
STATION		VOLUME (CY)	COMMENTS
START	END		
34+00	39+00	75	
38+50	43+00	140	
53+39	53+77	7	
54+50	59+50	75	
55+50	60+50	75	
56+03	57+60	22	
61+79	63+30	38	
71+16	71+91	27	
TOTAL		459	

[301.0001.00D1] AGGREGATE BASE COURSE, GRADING D-1			
STATION		WEIGHT (TON)	COMMENTS
START	END		
34+00	60+50	813	RECONSTRUCTED ROADWAY SEGMENTS
20+11	78+89	1163	APPROACHES
29+10	29+80	73	SHALLOW EMBANKMENT FAILURE
53+39	71+91	200	RECONSTRUCTED APPROACHES
TOTAL		2249	

[303.0001.0000] DITCH RECONDITIONING					
START STATION	OFFSET	END STATION	OFFSET	LENGTH (STA)	NOTES
42+30	LT	43+34	LT	1.04	SEE SHEET F6
TOTAL				1.04	

[303.2000.0000] LINEAR GRADING					
BEGIN STATION	END STATION	OFFSET	LENGTH (FT)	LENGTH (STA)	COMMENTS
14+85	15+65	RT	80	0.80	
15+65	16+53	LT/RT	176	1.76	
16+53	17+07	RT	54	0.54	
17+07	19+73	LT/RT	532	5.32	
19+73	20+52	RT	79	0.79	
20+52	23+55	LT/RT	606	6.06	
23+55	27+00	RT	345	3.45	
27+00	33+59	LT/RT	1318	13.18	
33+59	35+44	RT	185	1.85	
35+44	36+19	LT/RT	150	1.50	
36+19	36+81	RT	62	0.62	
36+81	37+91	LT/RT	220	2.20	
37+91	42+48	RT	457	4.57	
42+48	45+94	LT/RT	692	6.92	
45+94	52+24	RT	630	6.30	
52+24	53+00	LT/RT	152	1.52	
53+00	58+51	RT	551	5.51	
58+51	59+89	LT/RT	276	2.76	
59+89	63+12	RT	323	3.23	
63+12	64+71	LT/RT	318	3.18	
64+71	79+31	RT	1460	14.60	
TOTAL			8666	87	

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KTN N TONGASS HWY RESURFACE: A/P
F.T. TO WARD CREEK BRIDGE - STAGE 1

SUMMARY

FILE G:\Ktn\SFH\00181\Plans\00181_D1-D9 - Segment 1.dwg DATE 2/9/2024 14:30 LAYOUT D2 SUMMARY DESIGNED BW, AH, RM CHECKED BW, AH, RM DRAFTED RM, AH, WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\HWY00536	2024	D2	40

[306.0001.0000] ATB							
STATION		OFFSET	AREA (SF)	DEPTH (FT)	VOLUME (CY)	WEIGHT (TON)	COMMENTS
START	END						
29+10	29+80	LT	1400	0.25	13	27	
38+50	43+00	LT	3600	0.25	34	69	AREA INCLUDES DRIVEWAY
55+50	60+50	LT	4000	0.25	38	77	
34+00	39+00	RT	4000	0.25	38	77	
54+50	59+50	RT	4000	0.25	38	77	
56+03	57+60	LT	1161	0.25	11	23	RECONSTRUCTED SWALE
53+39	53+77	RT	365	0.25	4	9	BAKER STREET APPROACH
61+79	63+30	LT	2003	0.25	19	39	SHORELINE DRIVE APPROACH
71+16	71+91	RT	1456	0.25	14	29	DON KING ROAD APPROACH
TOTAL						427	

[402.0001.STE1] TACK COAT				
STATION		AREA (SY)	WEIGHT (TON)	COMMENTS
START	END			
14+85	79+31	32909	15	
TOTAL			15	

[408.2001.000B] HMA, SP; TYPE B						
STATION		AREA (SF)	DEPTH (FT)	VOLUME (CY)	WEIGHT (TON)	COMMENTS
START	END					
14+85	47+16	118776	0.167	734	1485	ROADWAY, STATION 17+64 TO STATION 22+00 OMITTED
47+85	79+31	157802	0.167	975	1973	ROADWAY
14+85	79+31	27823	0.167	172	348	DRIVEWAYS AND APPROACHES
TOTAL					3806	

[410.2001.0000] PAVEMENT COLD PLANING			
STATION		AREA (SY)	COMMENTS
START	END		
14+85	79+31	31137	ROADWAY
14+85	79+31	1963	APPROACHES AND DRIVEWAYS
TOTAL		33100	

[603.0021.0018] CORRUGATED POLYETHYLENE PIPE 18 INCH											
PIPE NUMBER	LENGTH (FT)	INLET				OUTLET				NOTES (*ALL DEPTHS ARE TAKEN FROM THE SHOULDER OF THE ROAD TO THE PIPE INVERT)	
		STATION	OFFSET (FT)	INVERT (FT)	DEPTH (FT)	STATION	OFFSET (FT)	INVERT (FT)	DEPTH (FT)		
P-21	36	47+96	31	RT	36.0	2.6	48+33	31	RT	35.9	2.8
P-24A	120	53+85	30	LT	43.9	2.7	52+66	34	LT	41.3	2.9
P-25	81	56+72	33	RT	45.7	4.0	55+91	31	RT	43.6	5.0
P-28	29	65+63	39	LT	71.7	2.1	65+34	38	LT	70.0	3.5
P-29	54	67+21	33	RT	81.5	1.8	66+67	31	RT	78.7	2.6
P-30	34	67+86	31	LT	83.5	3.0	67+52	31	LT	81.9	3.9
P-31	32	72+12	31	LT	100.8	3.3	71+80	31	LT	100.2	3.3
P-32	32	73+64	32	LT	103.8	2.6	73+32	32	LT	103.0	3.1
P-33	31	74+96	28	LT	105.4	2.4	74+65	30	LT	104.9	2.0
P-34	83	75+13	33	RT	105.2	2.5	75+96	30	RT	104.8	2.4
P-35	32	75+36	29	LT	105.5	2.0	75+68	28	LT	105.1	2.3
P-36	52	77+52	31	RT	103.0	2.5	78+04	31	RT	101.8	2.6
P-37	33	78+21	31	RT	101.3	2.8	78+54	32	RT	100.3	2.9
P-38	36	78+05	30	LT	102.1	2.4	78+40	31	LT	100.9	2.9
P-39	31	78+72	32	RT	100.2	2.5	79+03	32	RT	99.3	2.7
P-40	31	78+75	32	LT	100.0	3.0	79+06	31	LT	99.6	2.8
TOTAL											747

[603.0021.0024] CORRUGATED POLYETHYLENE PIPE 24 INCH											
PIPE NUMBER	LENGTH (FT)	INLET				OUTLET				NOTES	
		STATION	OFFSET (FT)	INVERT (FT)	DEPTH (FT)	STATION	OFFSET (FT)	INVERT (FT)	DEPTH (FT)		
P-8	138	16+09	28	RT	20.2	5.9	16+21	110	LT	15.8	12.1
P-9	40	17+34	33	RT	24.5	-	16+93	33	RT	23.1	-
P-11	66	32+74	32	RT	61.4	3.6	32+76	34	LT	60.4	5.6
P-14	68	35+89	32	RT	54.1	4.4	35+91	36	LT	51.1	6.5
P-16	69	37+73	31	RT	49.0	4.4	37+57	36	LT	45.9	6.5
P-24	36	53+75	31	RT	41.0	3.9	53+39	31	RT	40.9	3.7
TOTAL											417

[603.2019.0024] LINER FOR STORM DRAIN 24 INCH											
PIPE NUMBER	LENGTH (FT)	INLET			OUTLET			NOTES			
		STATION	OFFSET (FT)	RT	STATION	OFFSET (FT)	RT				
P-10	64	23+79	31	RT	23+76	33	LT				
P-13	71	34+83	39	RT	34+82	32	LT	TRIM OVERHANGING OUTLET BEFORE INSTALLING LINER			
P-17	70	43+33	32	RT	43+35	34	LT				
P-20	90	46+58	28	RT	46+53	62	LT				
P-22	66	48+78	29	RT	48+79	37	LT				
P-23	64	51+01	29	RT	51+05	35	LT				
TOTAL											425

[603.2019.0036] LINER FOR STORM DRAIN 36 INCH											
PIPE NUMBER	LENGTH (FT)	INLET			OUTLET			NOTES			
		STATION	OFFSET (FT)	RT	STATION	OFFSET (FT)	RT				
P-15	63	37+17	30	RT	37+17	33	LT				
P-18	66	45+01	30	RT	44+93	36	LT				
TOTAL											129

[604.0004.0000] ADJUST MANHOLE			
ID	STATION	OFFSET (FT)	COMMENTS
1	71+78	44 RT	

[606.0001.0000] W- BEAM GUARDRAIL SUMMARY							
START			END			LENGTH (FT)	COMMENTS
STATION	OFFSET (FT)	RT	STATION	OFFSET (FT)	RT		
14+85	19	LT	18+72	18	LT	393	
19+34	18	LT	19+63	29	LT	33	
20+56	24	LT	32+52	18	LT	1203	
33+14	18	LT	36+19	22	LT	306	
36+79	22	LT	37+94	24	LT	566	
42+48	24	LT	45+94	30	LT	363	
52+24	25	LT	53+00	25	LT	84	
58+51	21	LT	62+47	71	LT	420	
63+12	24	LT	64+71	24	LT	175	
TOTAL						3543	

[606.0006.0000] REMOVING AND DISPOSING GUARDRAIL							
START			END			LENGTH (FT)	COMMENTS
STATION	OFFSET (FT)	RT	STATION	OFFSET (FT)	RT		
15+65	19	LT	16+53	19	LT	89	
17+07	20	LT	19+63	29	LT	262	
20+70	22	LT	23+55	19	LT	285	
27+00	19	LT	33+59	20	LT	661	
35+44	20	LT	36+19	22	LT	80	
36+81	22	LT	37+91	24	LT	126	
42+48	24	LT	45+94	30	LT	363	
52+24	25	LT	53+00	25	LT	83	
58+51	21	LT	59+89	20	LT	138	
63+12	24	LT	64+71	24	LT	175	
TOTAL						2261	

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KTN N TONGASS HWY RESURFACE: A/P
F.T. TO WARD CREEK BRIDGE - STAGE 1

SUMMARY

FILE G:\ktn\SFH\00181\Plans\00181_D1-D9 - Segment 1.dwg
 DATE 2/9/2024 14:30 LAYOUT D3 SUMMARY DESIGNED BW, AH, RM CHECKED BW, AH, RM DRAFTED RM, AH, WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\WY00536	2024	D3	40

[606.0013.0000] PARALLEL GUARDRAIL TERMINAL			
STATION	OFFSET	QUANTITY (EA)	COMMENTS
20+56	LT	1	
36+19	LT	1	
36+78	LT	1	
37+94	LT	1	
42+45	LT	1	
45+97	LT	1	
52+24	LT	1	
53+00	LT	1	
58+51	LT	1	
63+08	LT	1	
64+75	LT	1	
TOTAL		11	

[610.0002.0000] DITCH LINING					
START STATION	OFFSET	END STATION	OFFSET	QUANTITY (TON)	NOTES
42+30	LT	43+34	LT	31	SEE SHEET F6
TOTAL				31	

[611.0001.0001] RIPRAP, CLASS 1 (FOR CULVERTS)										
PIPE NUMBER	INLET SLOPE STABILIZATION		OUTLET SLOPE STABILIZATION		VOLUME (CY)	ENERGY DISSIPATER	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	VOLUME (CY)
	WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)						
P-10	12	9	11	8	8	APRON	11	13	1	6.0
P-11	12	7	-	-	4	-	-	-	-	-
P-13	12	7	12	8	8	APRON	11	14	1	6.0
P-14	-	-	12	12	6	APRON	9	14	1	5.0
P-15	12	10	12	7	9	APRON	17	22	1	14.0
P-16	12	13	12	7	10	-	-	-	-	-
P-17	-	-	12	10	5	-	-	-	-	-
P-18	-	-	12	10	5	-	-	-	-	-
P-20	12	7	12	20	13	-	-	-	-	-
P-22	-	-	12	8	4	-	-	-	-	-
P-23	12	8	12	8	8	-	-	-	-	-
P-26	-	-	14	8	5	-	-	-	-	-
TOTAL (CY)										116
TOTAL (TONS)										212

[613.0002.0000] CULVERT MARKER POST				
PIPE NUMBER	INLET STATION	OUTLET STATION	QUANTITY	NOTES
P-8	16+09	16+21	2	
P-9A	18+77	18+75	2	
P-10	23+79	23+76	2	
P-11	32+74	32+76	2	
P-13	34+83	34+82	2	
P-14	35+89	35+91	2	
P-15	37+17	37+17	2	
P-16	37+73	37+57	2	
P-17	43+33	43+35	2	
P-18	45+01	44+93	2	
P-19	45+40	45+05	1	INLET ONLY
P-20	46+58	46+53	2	
P-22	48+78	48+79	2	
P-23	51+01	51+05	2	
P-26	64+79	64+31	1	OUTLET ONLY
P-30A	69+66	67+51	1	OUTLET ONLY
P-31A	72+15	71+79	1	INLET ONLY
TOTAL			30	

[634.0002.0000] GEOGRID, REINFORCEMENT, CLASS 1			
STATION		AREA (SY)	COMMENTS
START	END		
29+10	29+80	156	FOR SHALLOW EMBANKMENT FAILURE
TOTAL		156	

[639.2000.0000] APPROACH							
STATION (CENTER)	OFFSET	WIDTH (FT)		RADIUS (FT)		APPROACH AREA (SF)	NOTES: *PAVE 15 FEET BACK FROM EDGE OF SHOULDER UNLESS OTHERWISE STATED. SEE DETAIL 3/E1.
		W1	W2	R1	R2		
20+11	LT	117	83	48	7	1341	
34+63	RT	48	27	26	26	523	
36+48	LT	54	28	10	36	601	
40+19	LT	501	426.9	10	7	4389	
45+21	RT	52	18	14.5	12	355	
46+22	LT	199	62.5	4	15	1574	
47+96	LT	109.5	54.5	N/A	N/A	912	
48+12	RT	53.5	19	21	13	374	
52+09	LT	63	15	15	5	316	PAVE 10 FEET BACK FROM EDGE OF SHOULDER
53+57	RT	38	19.5	11	32	365	
55+59	LT	485	442	21	22	6768	
56+18	RT	40.5	16	18	22	400	
56+51	RT	25.5	9	8	32	243	
58+31	LT	48	38	21	3	283	PAVE 7 FEET BACK FROM EDGE OF SHOULDER
62+54	LT	150	36	71	20	2003	PAVE 30 FEET BACK FROM EDGE OF SHOULDER
64+88	LT	31	14	8	29	315	
65+50	LT	36	14	18	18	310	
66+97	RT	62	38	27	15	1500	PAVE 30 FEET BACK FROM EDGE OF SHOULDER
67+70	LT	39	15	16	18	324	
71+56	RT	75	36	47	34	1455	PAVE 30 FEET BACK FROM EDGE OF SHOULDER
71+96	LT	53	15	16	24	380	
73+48	LT	43	12	16	16	286	
74+80	LT	37	14	18	14	305	
75+52	LT	34	14	18	18	294	
75+56	RT	69	60	5	43	601	PAVE 10 FEET BACK FROM EDGE OF SHOULDER
77+76	RT	44	26	15	12	451	
78+21	LT	43	16	10	25	322	
78+36	RT	32	16	12	14	287	
78+87	RT	33	13	19	14	277	
78+89	LT	29	16	25	17	295	

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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

 KTN N TONGASS HWY RESURFACE: A/P
 F.T. TO WARD CREEK BRIDGE - STAGE 1

 SUMMARY

FILE G:\Ktn\SFH\00181\Plans\00181_D1-D9 - Segment 1.dwg DATE 2/9/2024 14:30 LAYOUT D4 SUMMARY DESIGNED BW AH RM CHECKED BW DRAFTED RM AH WJ

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWHY00536	2024	D4	40

[642.0004.0000] SET PRIMARY MONUMENT				
MONUMENT NUMBER	NORTHING	EASTING	STATION	OFFSET (FT)
103	121680.87	91215.20	22+94.86	17.11 LT
104	122115.59	90869.82	28+50.08	17.01 LT
105	122602.56	90554.41	34+29.54	18.26 RT
106	123165.84	90104.08	41+48.75	17.91 RT
107	123900.75	89370.44	51+85.79	18.50 LT
108	125015.61	88876.23	64+01.80	25.58 RT
109	125612.19	88401.57	71+63.04	17.61 LT
110	126044.67	88042.36	77+25.25	18.42 LT

[642.0009.0000] REFERENCE EXISTING MONUMENT				
MONUMENT NUMBER	NORTHING	EASTING	STATION	OFFSET (FT)
103	121680.87	91215.20	22+94.86	17.11 LT
104	122115.59	90869.82	28+50.08	17.01 LT
105	122602.56	90554.41	34+29.54	18.26 RT
106	123165.84	90104.08	41+48.75	17.91 RT
107	123900.75	89370.44	51+85.79	18.50 LT
108	125015.61	88876.23	64+01.80	25.58 RT
109	125612.19	88401.57	71+63.04	17.61 LT
110	126044.67	88042.36	77+25.25	18.42 LT

[642.0010.0000] MONUMENT CASE				
MONUMENT NUMBER	NORTHING	EASTING	STATION	OFFSET (FT)
103	121680.87	91215.20	22+94.86	17.11 LT
104	122115.59	90869.82	28+50.08	17.01 LT
105	122602.56	90554.41	34+29.54	18.26 RT
106	123165.84	90104.08	41+48.75	17.91 RT
107	123900.75	89370.44	51+85.79	18.50 LT
108	125015.61	88876.23	64+01.80	25.58 RT
109	125612.19	88401.57	71+63.04	17.61 LT
110	126044.67	88042.36	77+25.25	18.42 LT

[670.0008.0000] RECESSED PAVEMENT MARKER			
START STATION	END STATION	QUANTITY (EA)	COMMENTS
14+85	79+31	122	SEE DETAIL SHEET H7 AND ALASKA STD. PLAN T-06.00

DRAFT

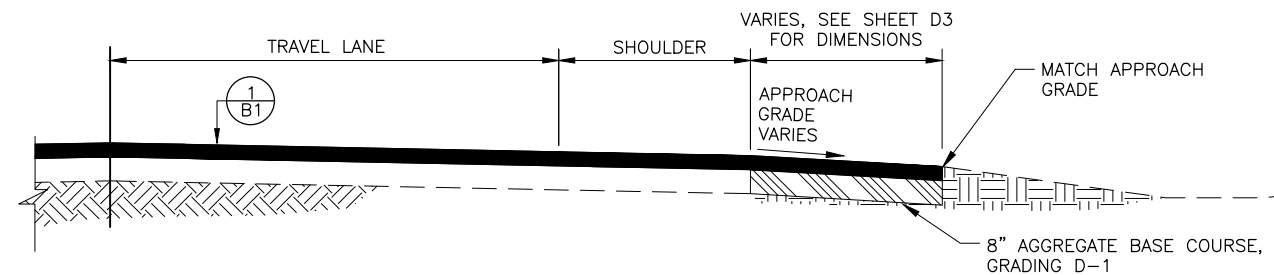
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KTN N TONGASS HWY RESURFACE: A/P
F.T. TO WARD CREEK BRIDGE - STAGE 1

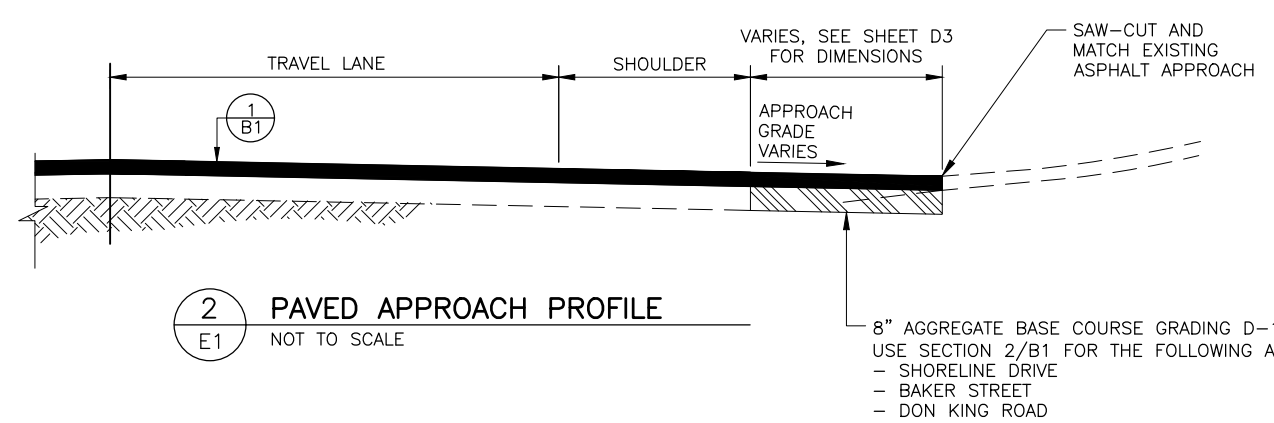
SUMMARY

FILE G:\Ktn\SFH\00181\Plan\00181_E1 - Segment 1.dwg DATE 1/25/2024 13:57 LAYOUT E1 DETAILS DESIGNED BW AH RM CHECKED BW AH RM DRAFTED RM AH WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\WY00536	2024	E1	40

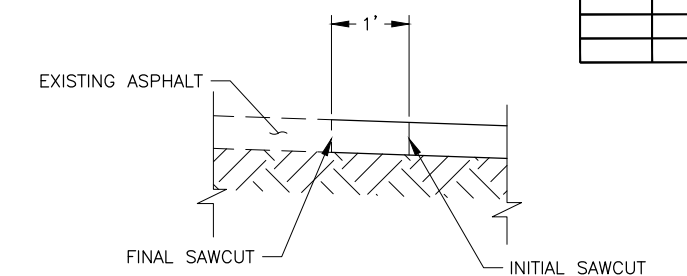


1 AGGREGATE APPROACH PROFILE
E1 NOT TO SCALE



2 PAVED APPROACH PROFILE
E1 NOT TO SCALE

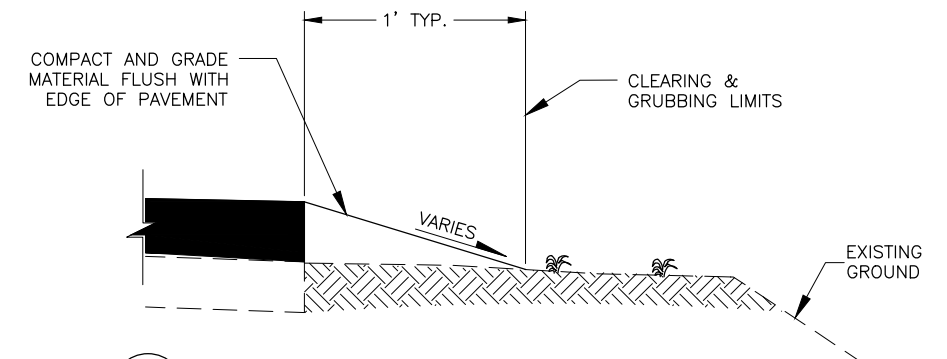
8" AGGREGATE BASE COURSE GRADING D-1
USE SECTION 2/B1 FOR THE FOLLOWING APPROACHES:
- SHORELINE DRIVE
- BAKER STREET
- DON KING ROAD



4 SAW CUT
E1 NOT TO SCALE

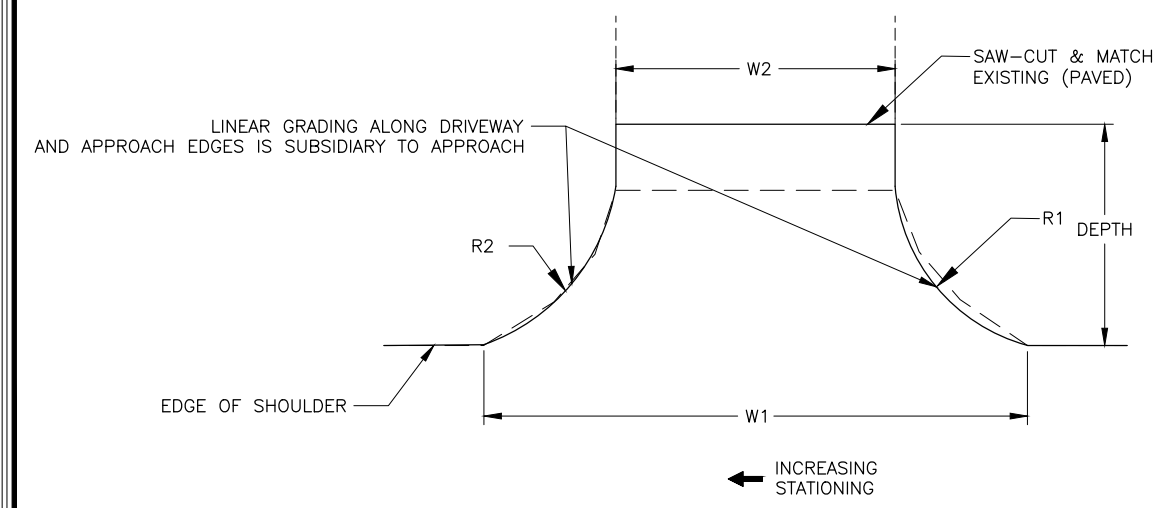
DETAIL NOTES:

1. THIS DETAIL APPLIES TO ALL ASPHALT SAWCUTS.
2. INITIALLY SAWCUT EXISTING ASPHALT TO PROTECT FINAL CUT EDGE DURING ASPHALT REMOVAL & BASE COURSE PREPARATION AND OTHER CONSTRUCTION ACTIVITIES.
3. FINAL SAWCUT 24 HOURS PRIOR TO PAVING. PROTECT FINAL SAWCUT EDGE FROM DAMAGE.
4. FINAL SAWCUT SHALL BE STRAIGHT & THE FULL DEPTH OF EXISTING ASPHALT.



5 LINEAR GRADING
E1 NOT TO SCALE

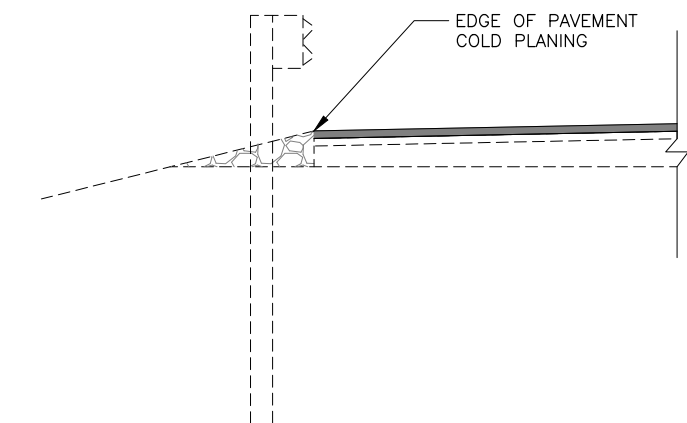
- NOTES:**
1. WHEN GUARDRAIL PRESENT EXTEND A FOOT PAST THE BACK OF THE GUARDRAIL.



3 PAVED APPROACH PLAN VIEW
E1 NOT TO SCALE

NOTES:

1. APPROACH SUMMARY DIMENSIONS ON SHEET D3.
2. SMOOTH WITH A VERTICAL CURVE. VERTICAL CURVES SHALL NOT HAVE HUMPS OR DEPRESSIONS THAT EXCEED 3 1/2" IN A 10' CORD.



6 PAVEMENT COLD PLANING AT GUARDRAIL
E1 NOT TO SCALE

DRAFT

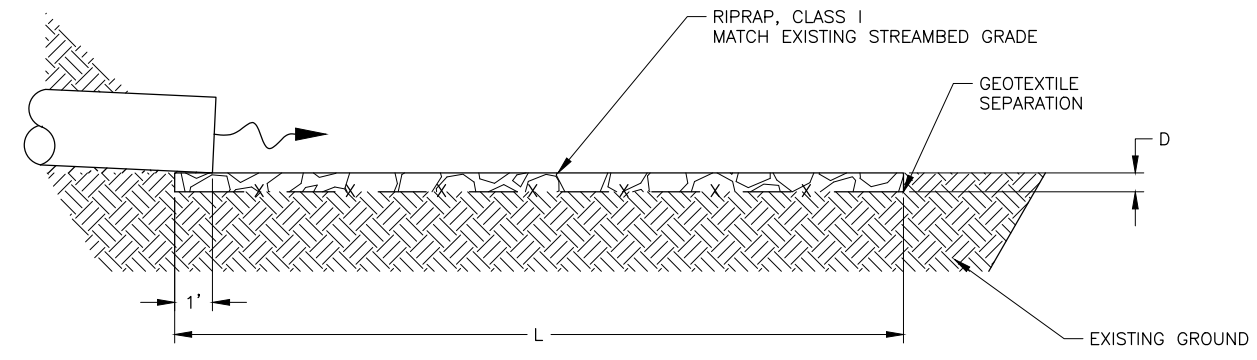
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KTN N TONGASS HWY RESURFACE: A/P
F.T. TO WARD CREEK BRIDGE - STAGE 1

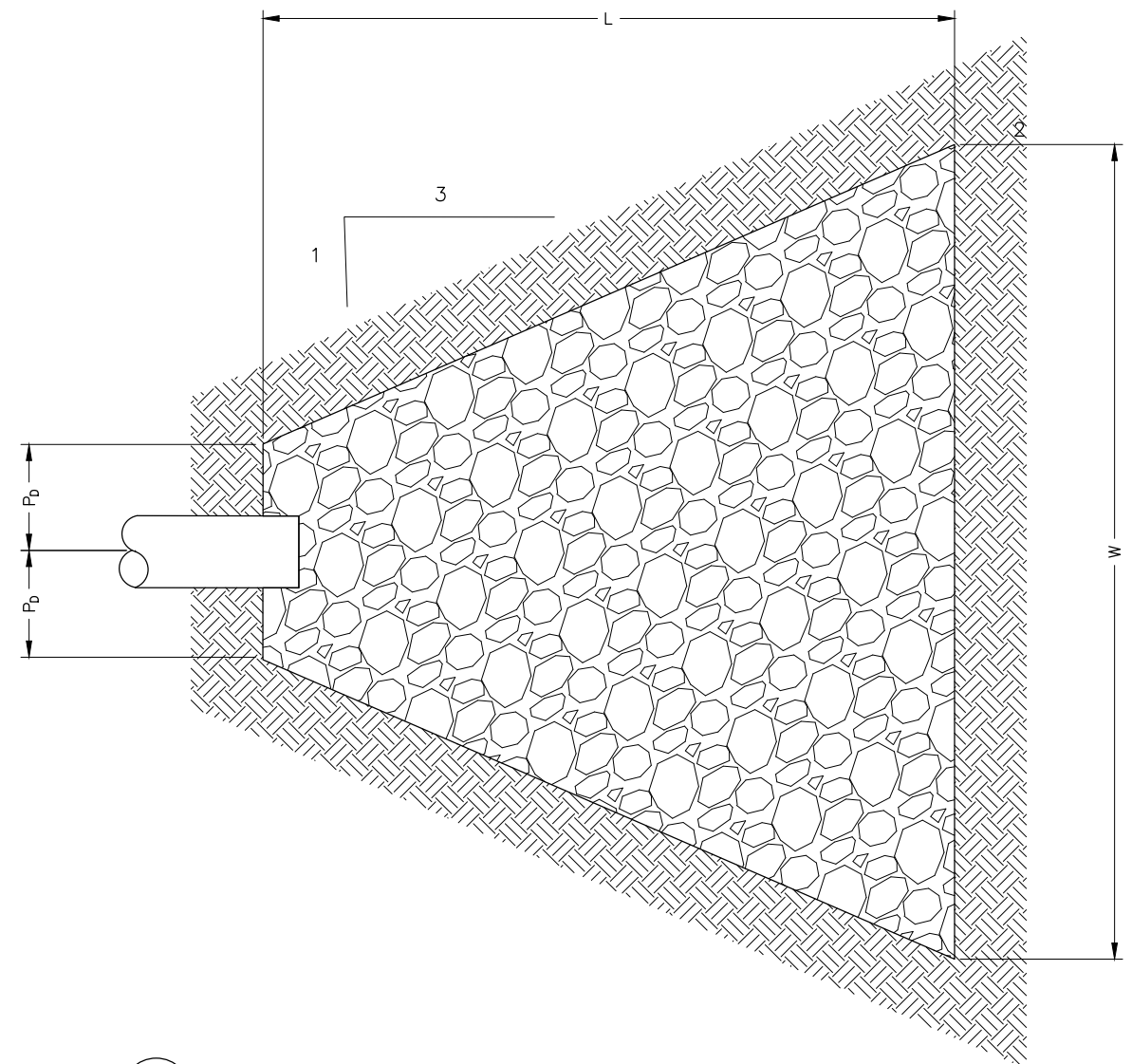
DETAILS

FILE G:\Ktn\SFH\00181\Plan\00181_E1 - Segment 1.dwg DATE 1/25/2024 13:57 LAYOUT E2 DETAILS DESIGNED BW, AH, RM CHECKED BW, AH, RM DRAFTED RM, AH, WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\WY00536	2024	E2	40



1 RIPRAP APRON, SECTION VIEW
E2 NOT TO SCALE
1. 1' OVERLAP MAY BE OMITTED FOR CULVERT P-26



2 RIPRAP APRON, PLAN VIEW
E2 NOT TO SCALE

- DETAIL NOTES:**
- TAPER EDGE OF RIPRAP APRON TO EXISTING GROUND AT A 2:1 SLOPE.
 - MATCH EXISTING STREAMBED GRADE.
 - REFER TO SHEET D3 FOR RIPRAP DIMENSIONS.
 - NON-WOVEN GEOTEXTILE IS ONLY APPLICABLE UP TO A 2:1 SLOPE. FOR SLOPES STEEPER THAN 2:1, UTILIZE A 6" THICK DITCH LINING UNDERLAYMENT.

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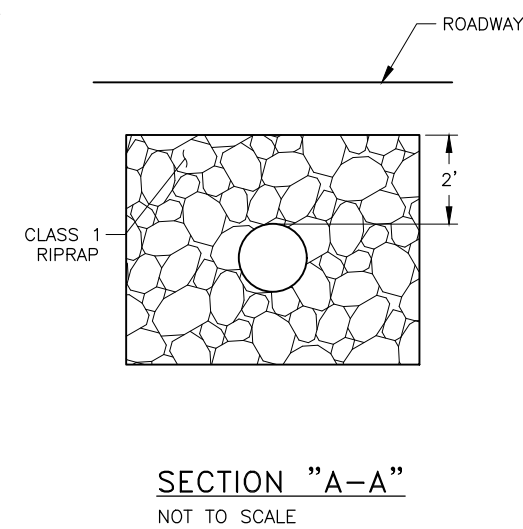
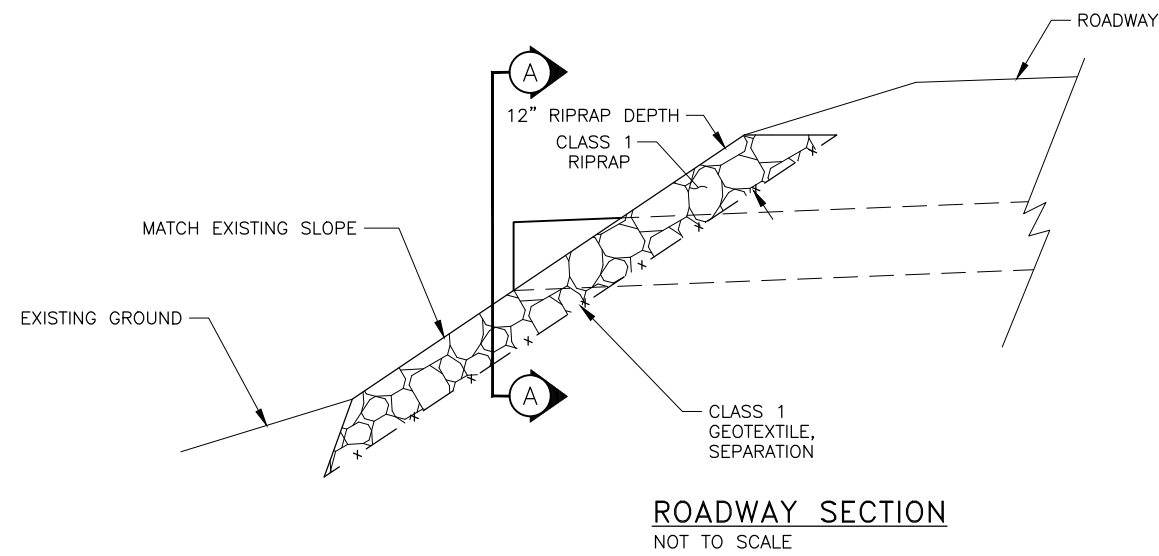
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KTN N TONGASS HWY RESURFACE: A/P
F.T. TO WARD CREEK BRIDGE - STAGE 1

DETAILS

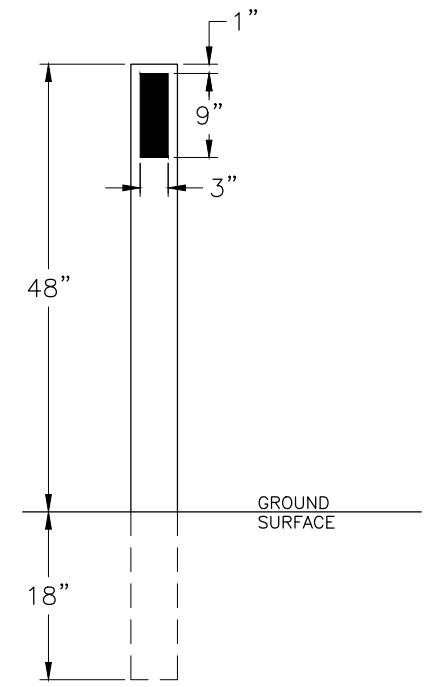
FILE G:\Ktn\SFH\00181\Plans\00181_E1 - Segment 1.dwg DATE 1/25/2024 13:57 LAYOUT E3 DETAILS DESIGNED BW, AH, RM CHECKED BW, AH, RM DRAFTED RM, AH, WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\WY00536	2024	E3	40



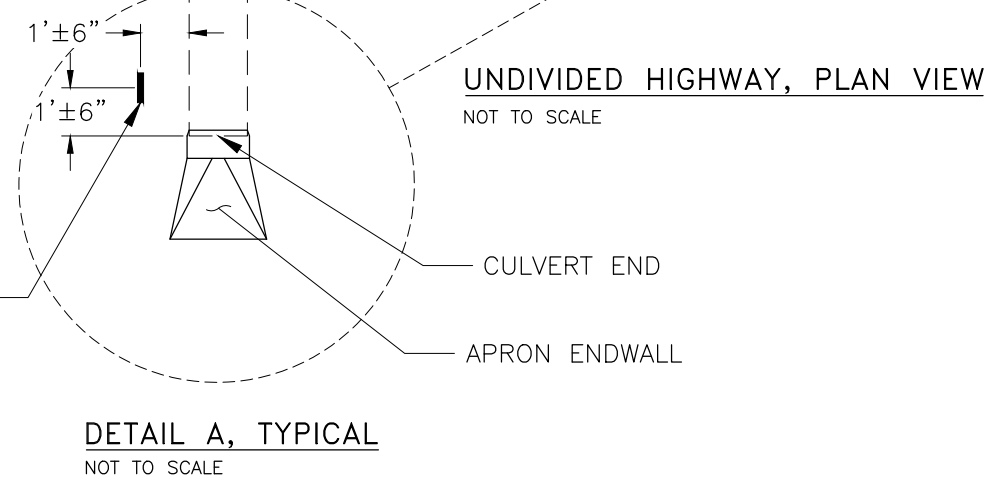
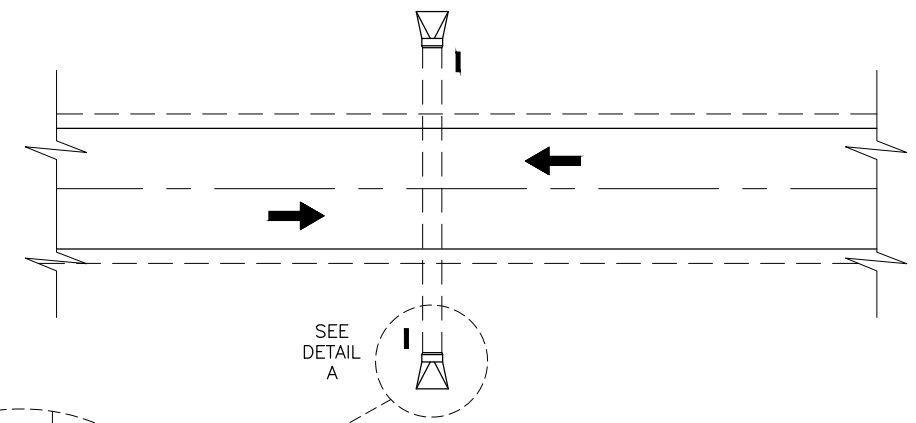
1 RIPRAP SLOPE STABLIZATION AT CULVERTS
E3 NOT TO SCALE

- NOTES:
 1. SEE SHEET D3 FOR DIMENSIONS AND LOCATIONS OF RIPRAP PLACEMENT.
 2. PLACE EQUAL AMOUNTS OF RIPRAP ON EACH SIDE OF THE CULVERT.



2 FLEXIBLE MARKER POST DETAIL
E3 NOT TO SCALE

- FLEXIBLE MARKER POST NOTES:
 1. FLEXIBLE MARKER POSTS SHALL BE WHITE, FIBERGLASS COMPOSITE.
 2. A 3" BY 9" STRIP OF BLACK 2-MIL GRAPHIC FILM SHALL BE AFFIXED TO EACH SIDE OF THE POST AS SHOWN IN THE FLEXIBLE MARKER POST DETAIL DRAWING. THE MATERIAL SHALL BE CENTERED WITHIN THE WIDTH OF THE POST. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.

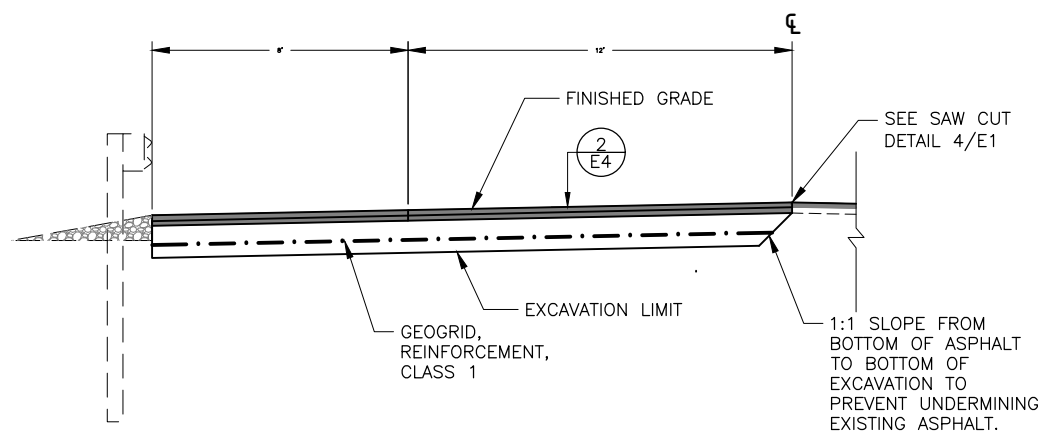


3 FLEXIBLE MARKER POST, LOCATION
E3 NOT TO SCALE

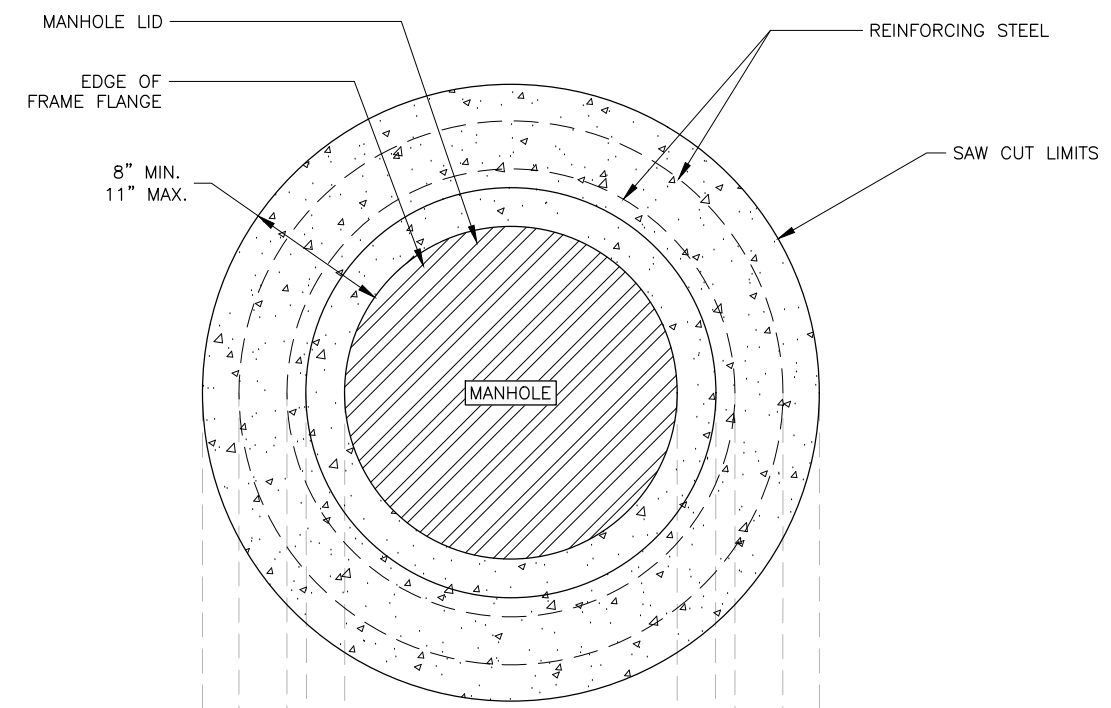
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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 KTN N TONGASS HWY RESURFACE: A/P
 F.T. TO WARD CREEK BRIDGE - STAGE 1
 DETAILS

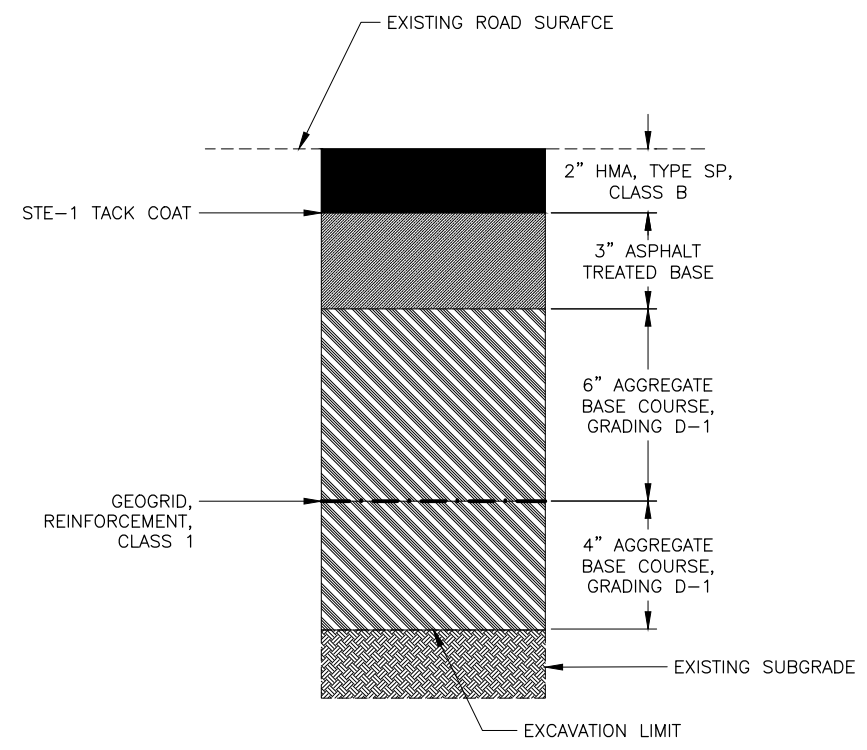
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHwy00536	2024	E4	40



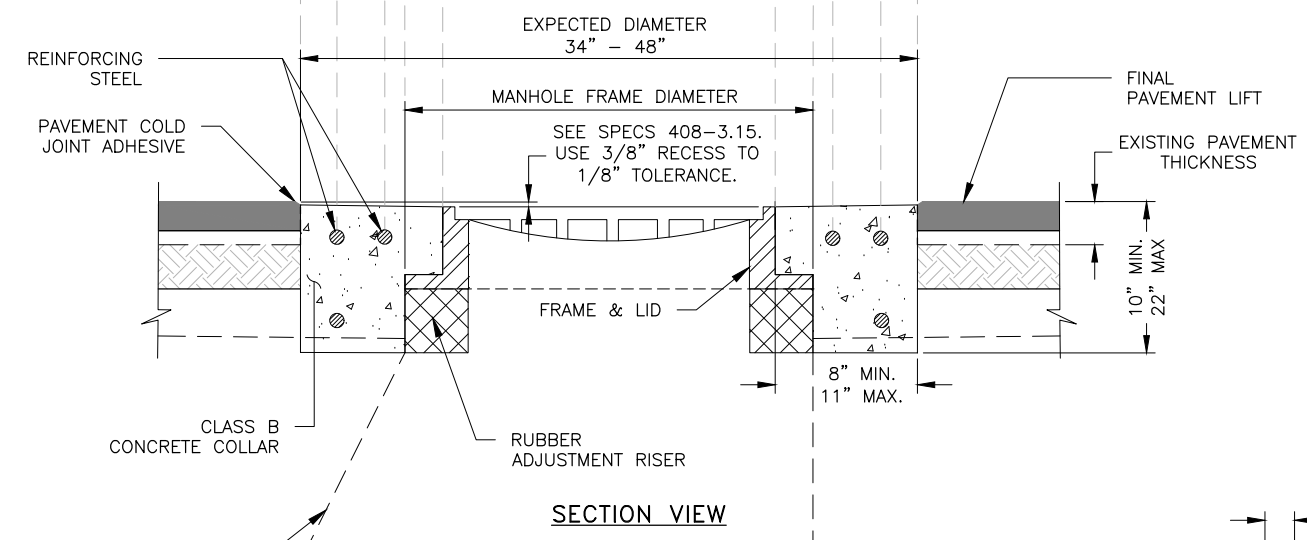
1 SHALLOW REPAIR PAVEMENT SECTION
 NOT TO SCALE
 STA. 29+10 - 29+80



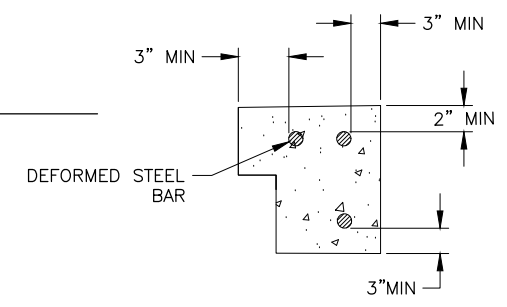
PLAN VIEW



2 SHALLOW REPAIR PAVEMENT SECTION
 NOT TO SCALE



3 MANHOLE ADJUSTMENT
 NOT TO SCALE



MANHOLE ADJUSTMENT NOTE

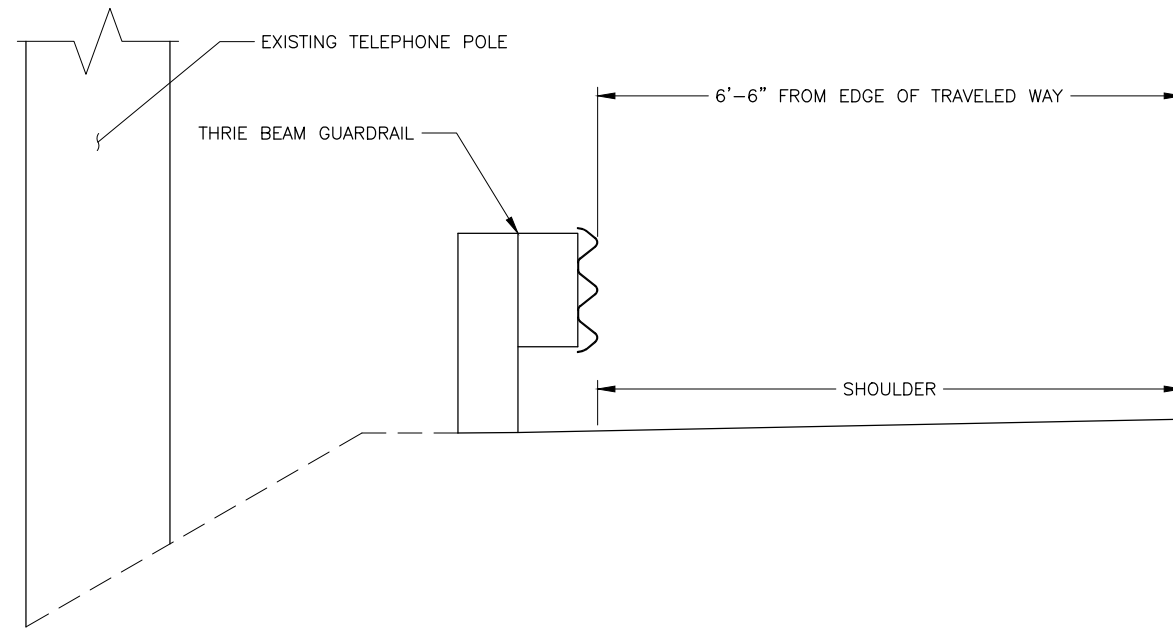
1. MANHOLE SHALL BE AT THE CENTER OF THE SAWCUT
2. RECESS OUTSIDE EDGE OF CONCRETE COLLAR 1/8" AND SLOPE TOWARDS MANHOLE
3. MAKE EDGE BETWEEN CONCRETE COLLAR AND FRAME FLUSH.
4. USE GRADE 60 STEEL
5. USE #4 DEFORMED BARS FOR EXCAVATIONS LESS THAN 17 INCHES
6. USE #5 DEFORMED BARS FOR EXCAVATIONS BETWEEN 17 INCHES AND 22 INCHES
7. CONCRETE EXTENDS FULL DEPTH OF EXCAVATION.
8. MAKE EXCAVATION VERTICAL PRIOR TO POURING COLLAR
9. INSTALLING STEEL PLATE OVER MANHOLE OPENING AS A TEMPORARY MEASURE IS ALLOWED

DRAFT

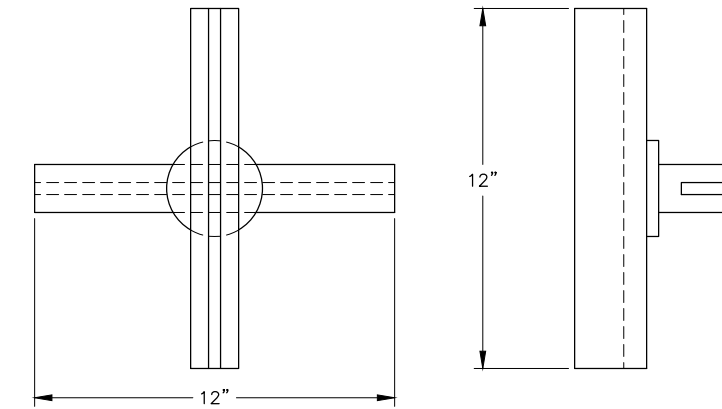
FILE G:\Ktn\SFHwy00536\00181_E1 - Segment 1.dwg DATE 1/25/2024 13:57 LAYOUT E4 DETAILS DESIGNED BW AH RM CHECKED BW AH RM DRAFTED RM AH WU

FILE G:\Ktn\SFH\00181\Planset\00181_E1 - Segment 1.dwg DATE 1/25/2024 13:57 LAYOUT E5 DETAILS DESIGNED BW, AH, RM CHECKED BW, AH, RM DRAFTED RM, AH, WU

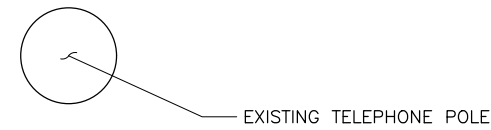
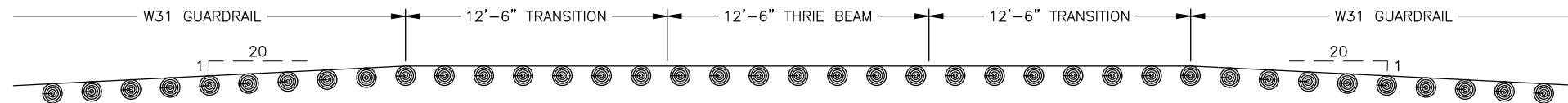
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\WY00536	2024	E5	40



1 THRIE BEAM GUARDRAIL POSITIONING
E5 NOT TO SCALE



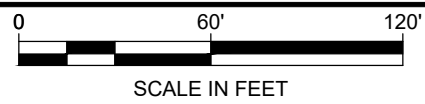
3 CROSS PIECE BRACKET, 12 INCH
E5 NOT TO SCALE



2 THRIE BEAM GUARDRAIL POSITIONING
E5 NOT TO SCALE

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
KTN N TONGASS HWY RESURFACE: A/P
F.T. TO WARD CREEK BRIDGE - STAGE 1
DETAILS



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWY00536	2024	F1	40

MATCH LINE: STA.9+55

MATCH LINE: STA.17+15

LEGEND

- MILL & FILL
- RECONSTRUCTION

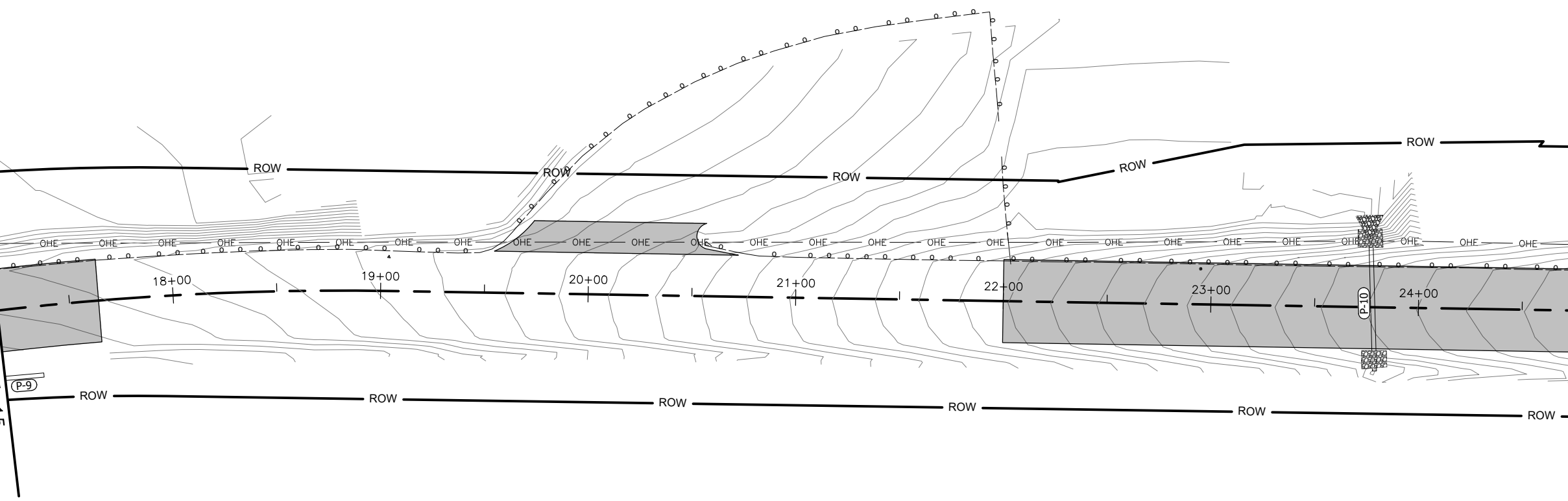
BOP
STA 14+85

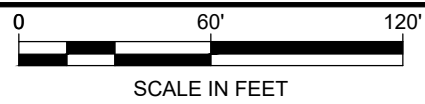
SFHWY00432 BOP

DRAFT

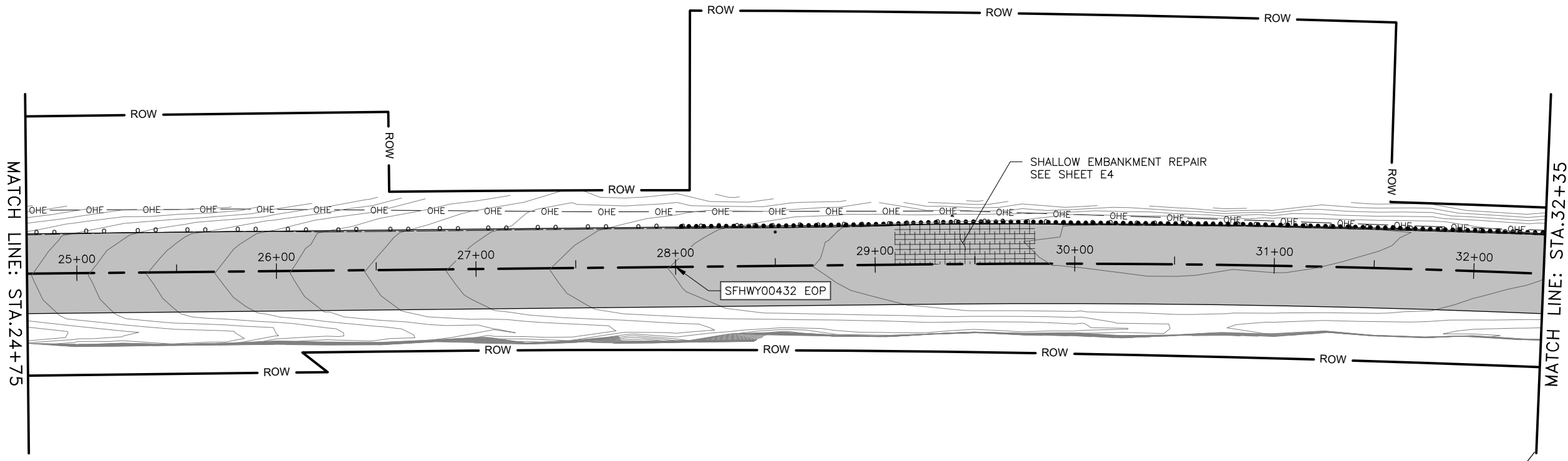
MATCH LINE: STA.17+15

MATCH LINE: STA.24+75





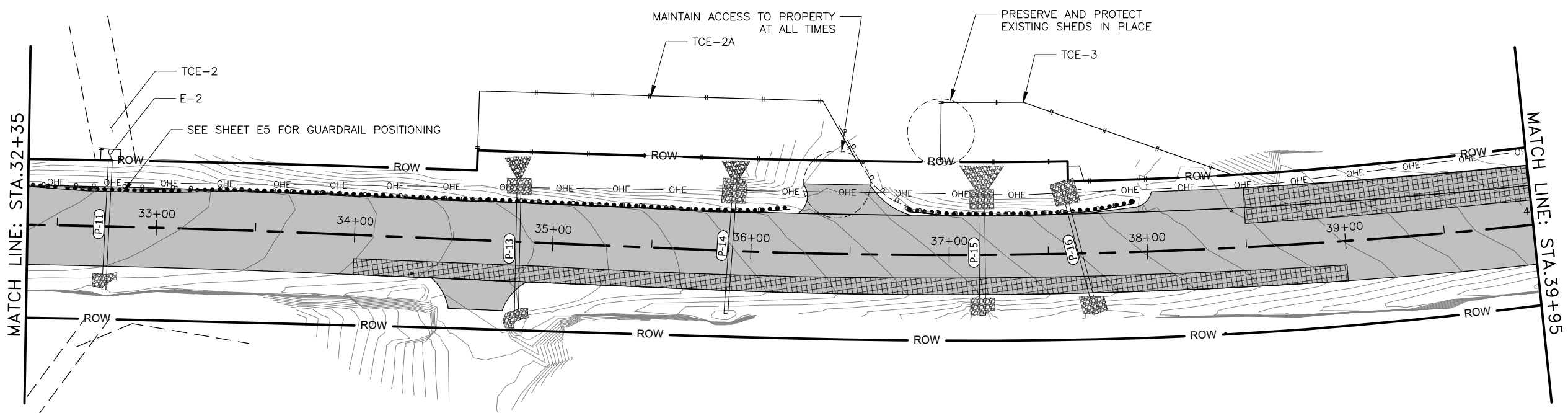
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH00536	2024	F2	40

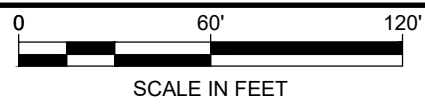


LEGEND

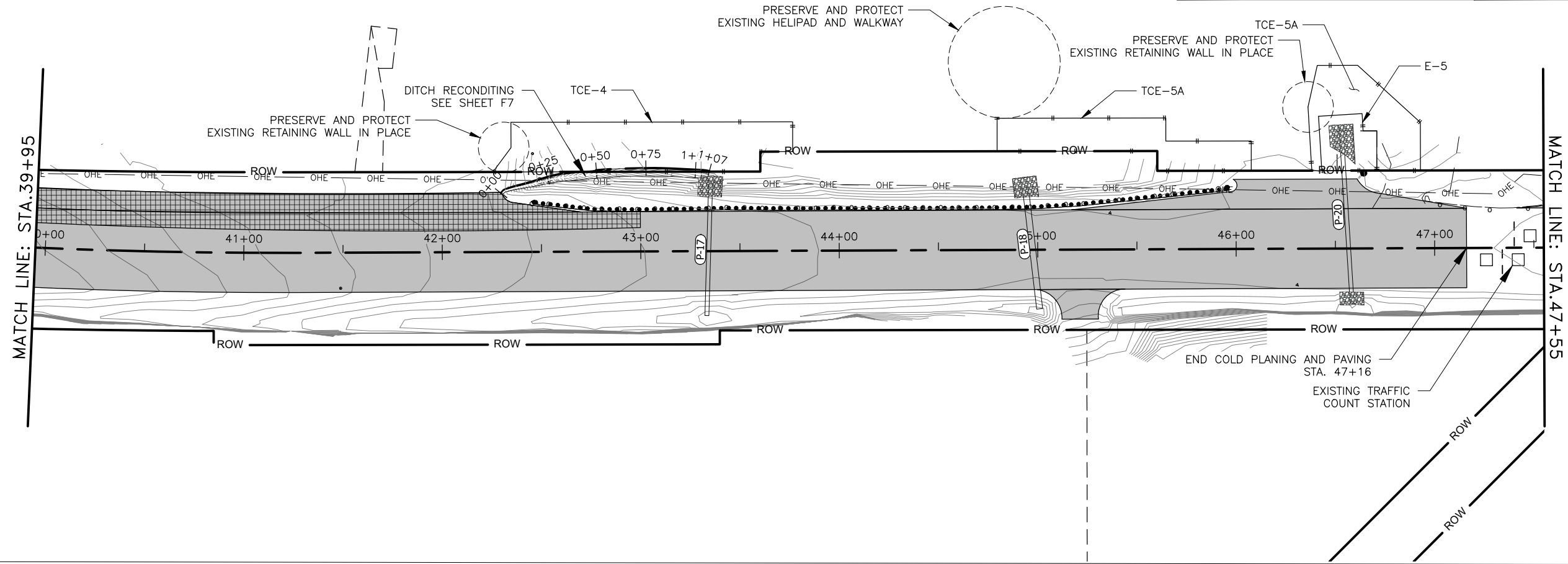
- MILL & FILL
- RECONSTRUCTION

DRAFT





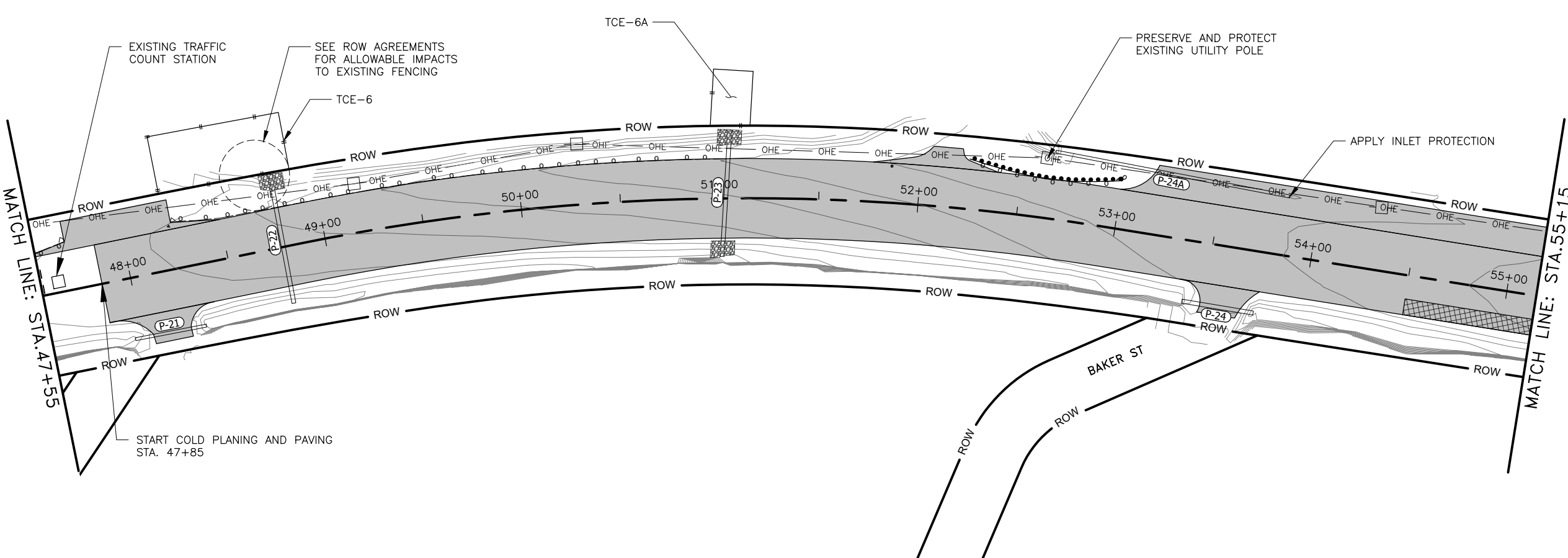
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			ALASKA	0920031/SFHWY00536	2024	F3	40

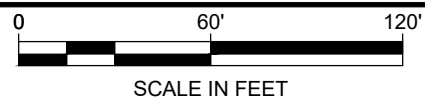


LEGEND

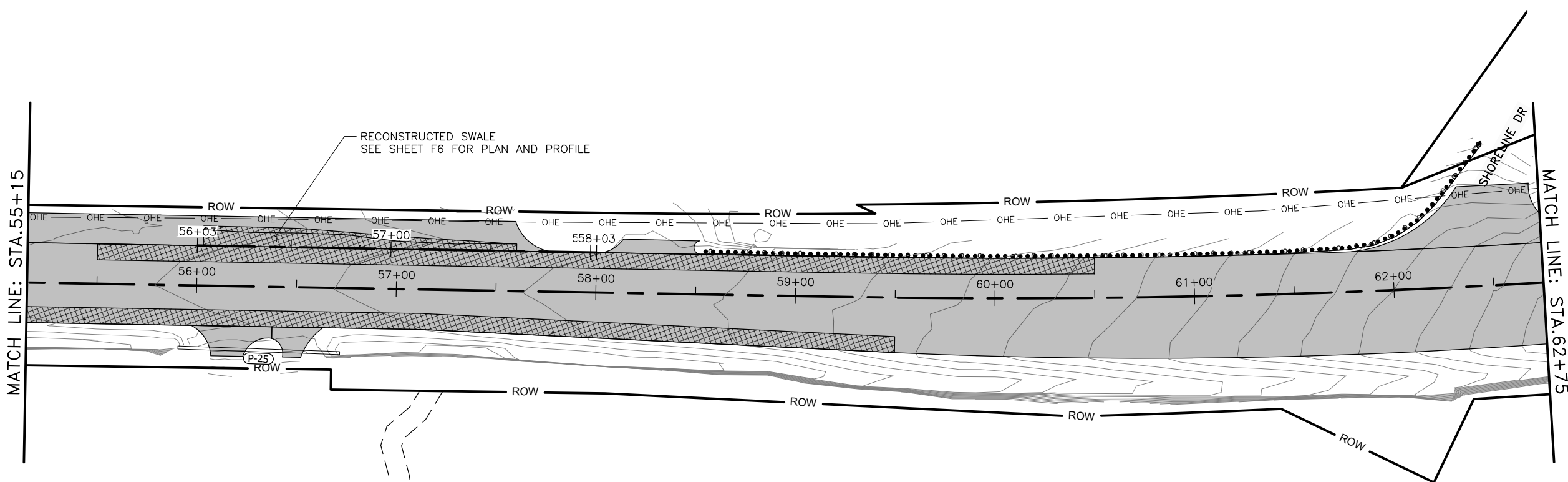
	MILL & FILL
	RECONSTRUCTION

DRAFT





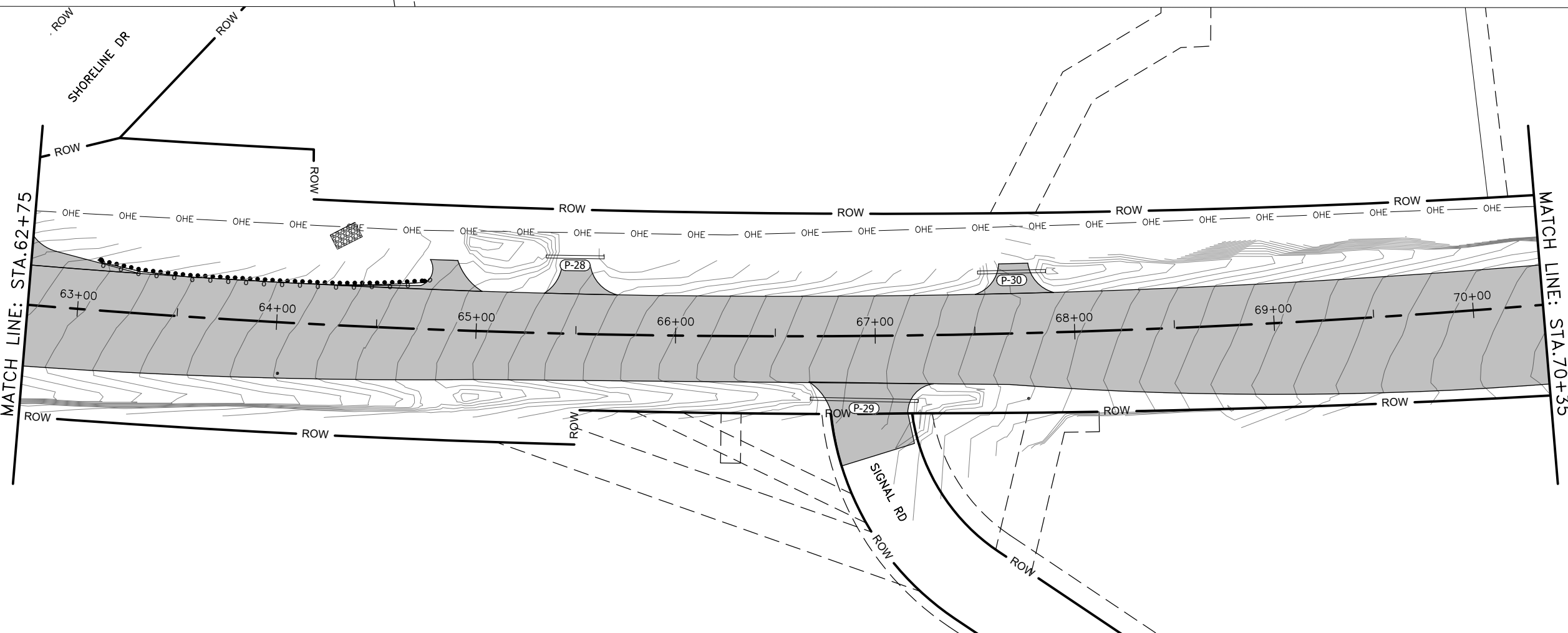
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			ALASKA	0920031/SFHWT00536	2024	F4	40



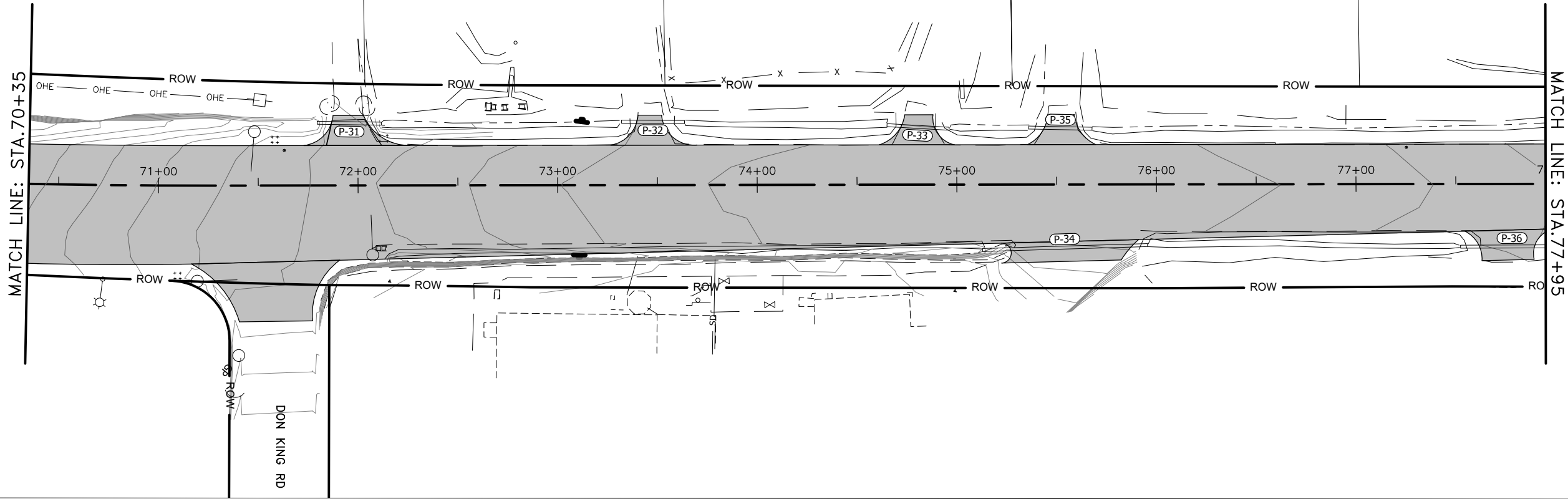
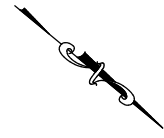
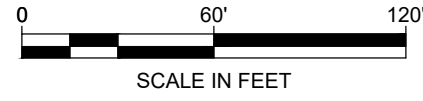
LEGEND

- MILL & FILL
- RECONSTRUCTION

DRAFT



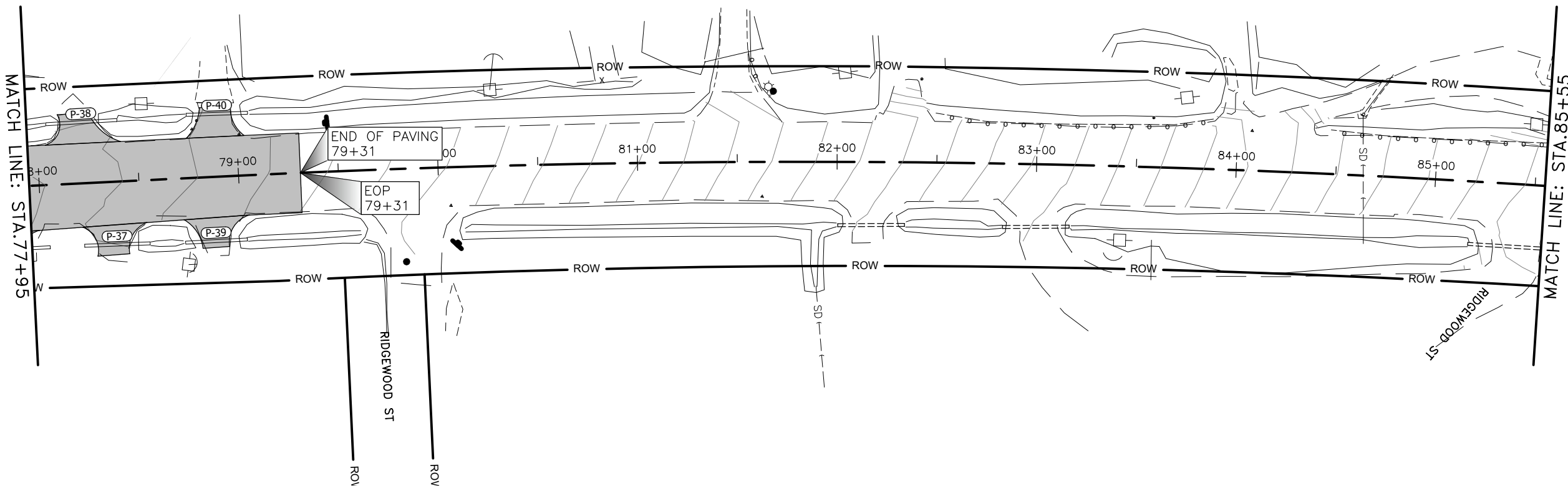
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHwy00536	2024	F5	40



LEGEND

	MILL & FILL
	RECONSTRUCTION

DRAFT



FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE Q:\kth\SFHWT00181\PlanSet\00181_F1-F16_MS - Segment 1.dwg

ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 2/9/2024 14:31 LAYOUT F6 PLAN

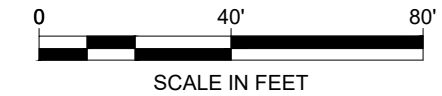
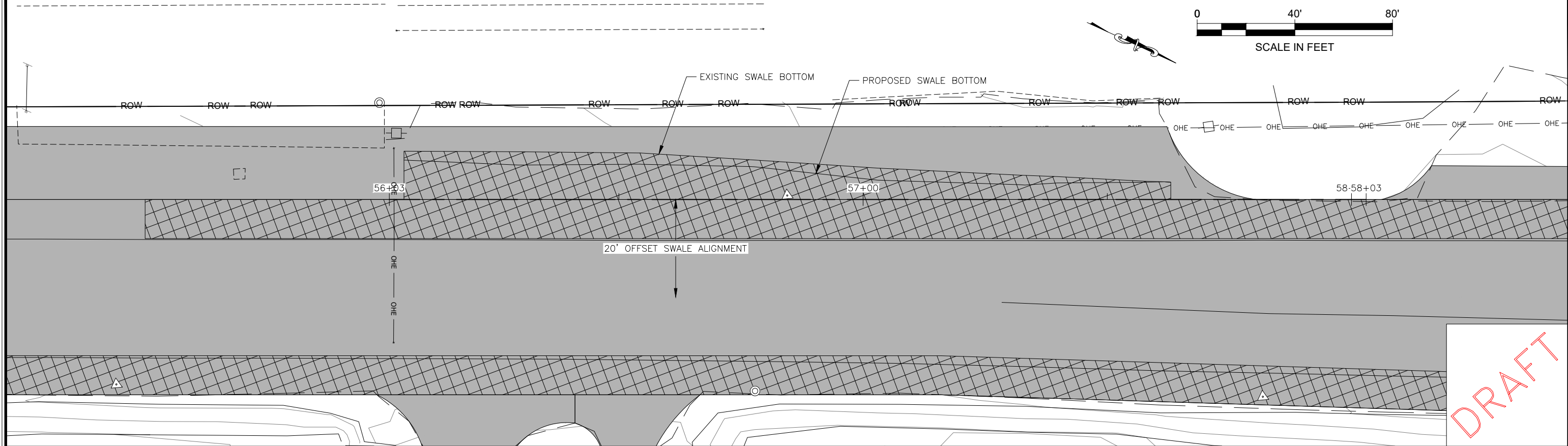
PHONE (907) 465-1763
 DESIGNED

BW, AH, RM
 CHECKED

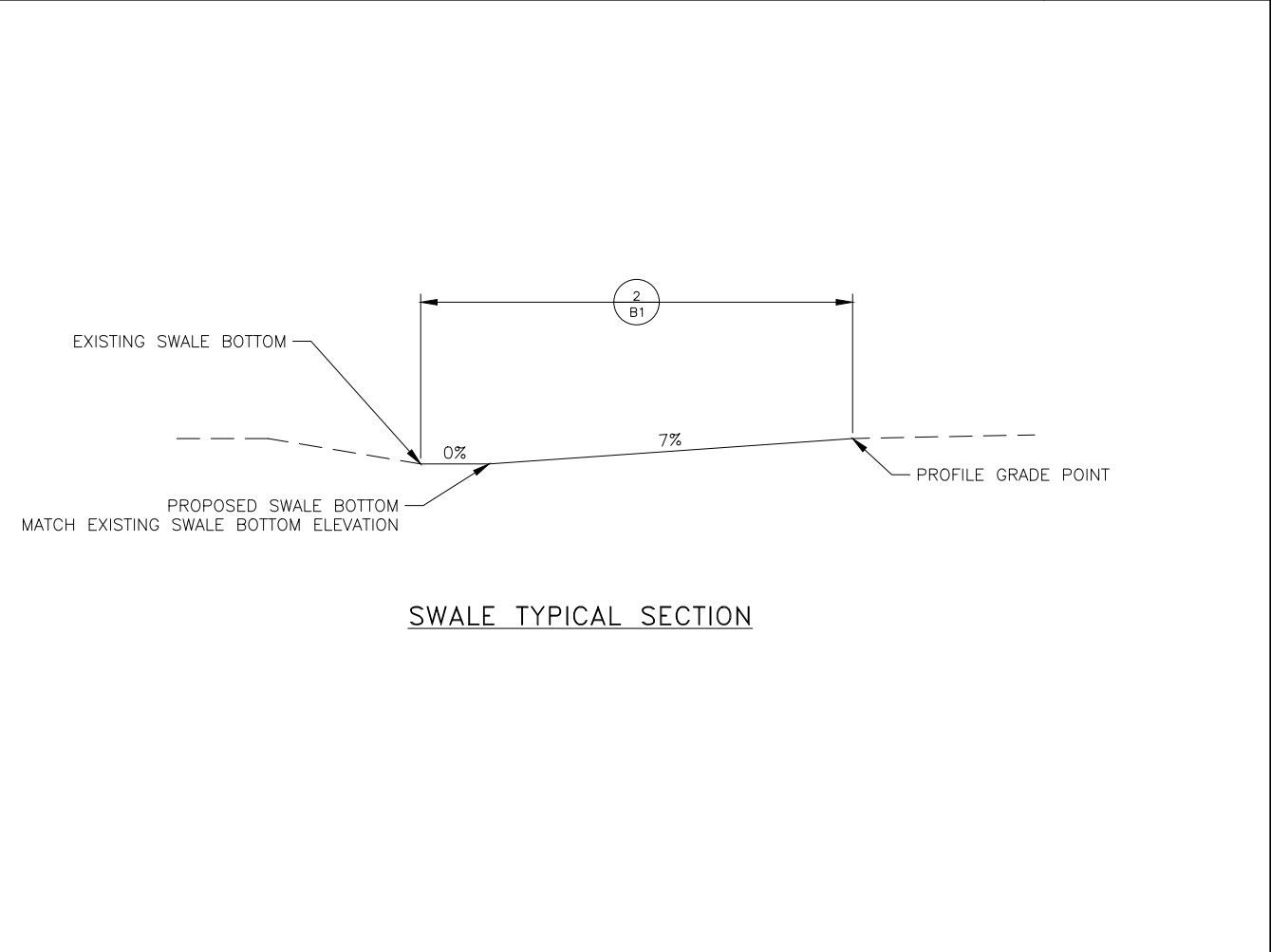
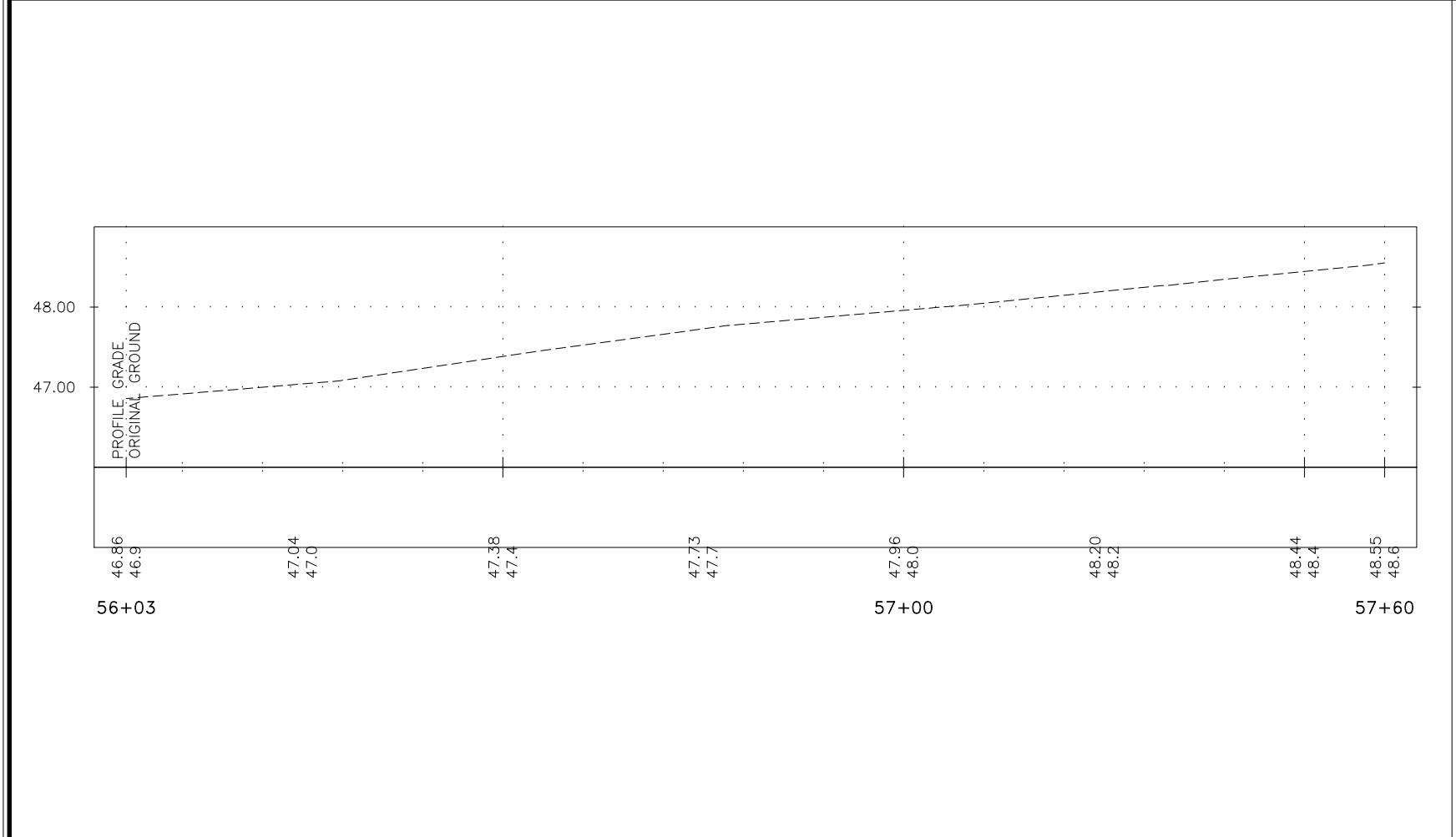
RM, AH, WU
 DRAFTED

CERTIFICATE OF AUTH #:

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWT00536	2024	F6	40



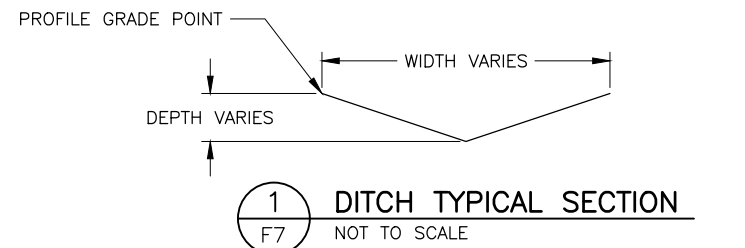
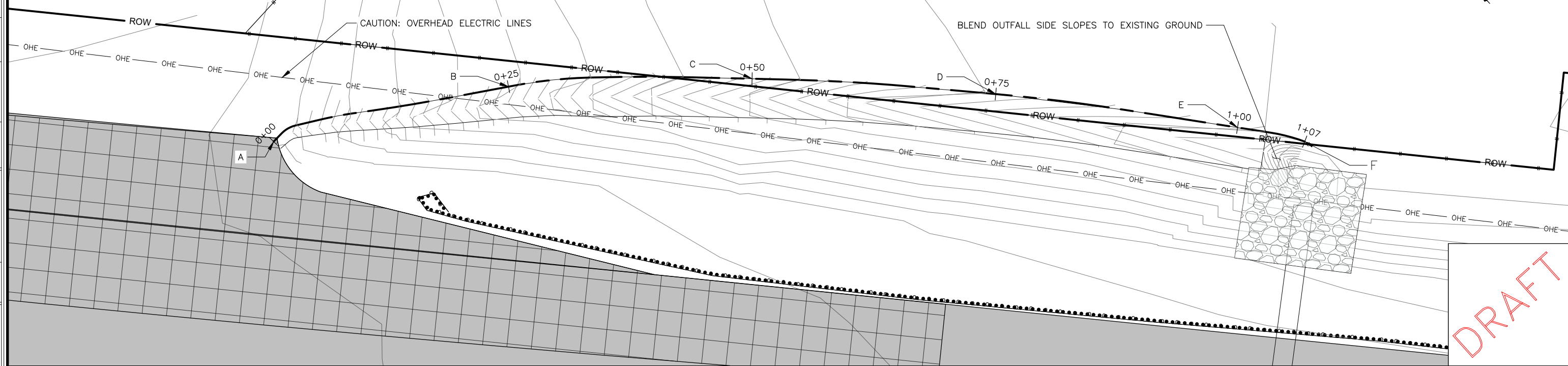
DRAFT



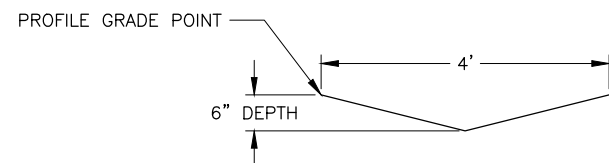
FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE G:\ktn\SFH\00181\Plan\set\00181_F7-F16_MS - Segment 1.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 CERTIFICATE OF AUTH #:
 DESIGNED BW, AH, RM
 CHECKED BW
 DRAFTED RM, AH, WU

ALIGNMENT POINT TABLE			
ID	STATION [STA]	OFFSET [LF]	ELEVATION [LF]
A	42+30	30 LT	39.3
B	42+53	38 LT	35.19
C	42+78	41 LT	32.41
D	43+03	42 LT	30.96
E	42+28	41 LT	30.09
F	43+35	40 LT	29.79

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\00536	2024	F7	40

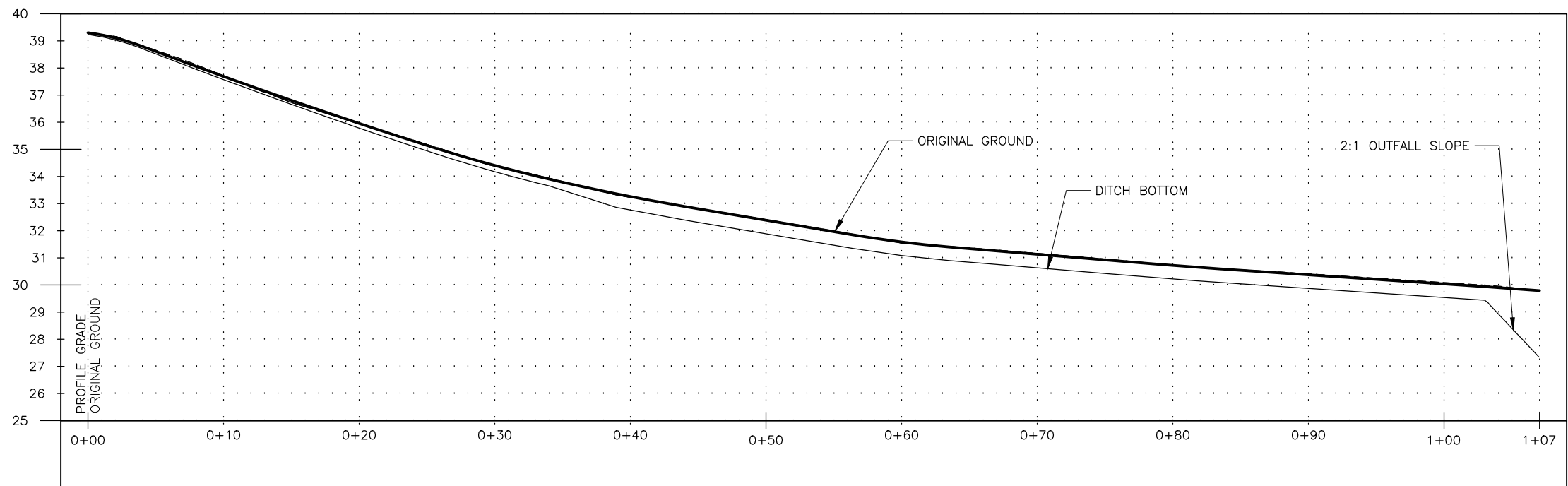


STA 0+00 - 0+33
 2 FOOT WIDTH, 3 INCH DEPTH AT 0+00
 4 FOOT WIDTH, 6 INCH DEPTH AT 0+33
 EVENLY TAPER WIDTH AND DEPTH FROM START TO END STATION



2 DITCH TYPICAL SECTION
 NOT TO SCALE

STA 0+33 - 1+07



DITCH PROFILE

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE Q:\ktn\SFH\00181\Plans\00181_H1-H16 - Segment 1.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 DESIGNED BY, AH, RM
 CHECKED BY, AH, RM
 DRAFTED BY, AH, RM
 CERTIFICATE OF AUTH #:
 DATE 2/2/2024 13:16 LAYOUT H1

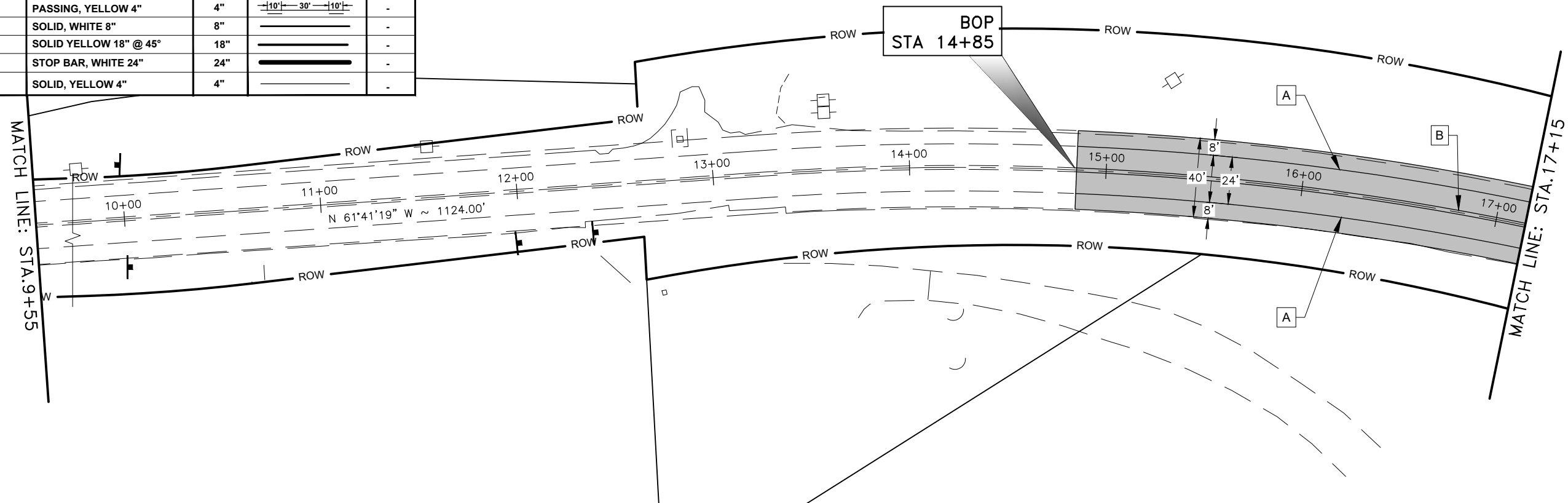
STRIPING LEGEND

SYMBOL	DESCRIPTION	WIDTH	PATTERN	L.F.
A	SOLID, WHITE 4"	4"		1982
B	SOLID DOUBLE, YELLOW 4"	4"		991
C	PASSING, YELLOW 4"	4"		-
D	SOLID, WHITE 8"	8"		-
E	SOLID YELLOW 18" @ 45°	18"		-
F	STOP BAR, WHITE 24"	24"		-
G	SOLID, YELLOW 4"	4"		-

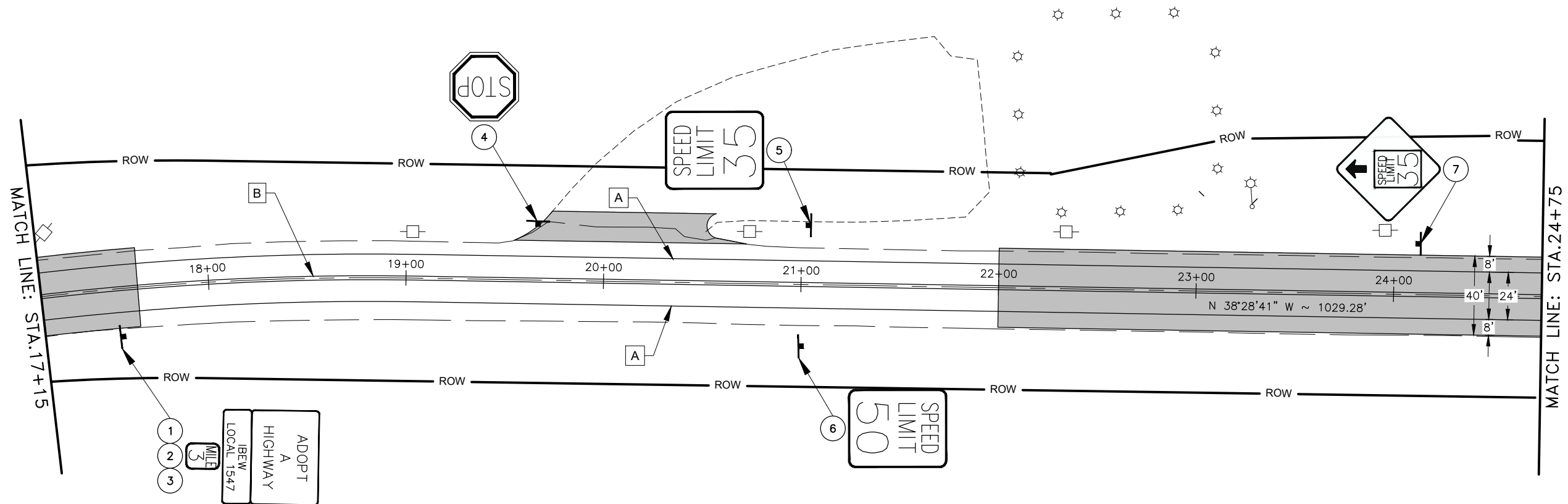


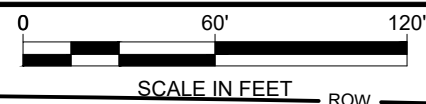
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH00536	2024	H1	40

SEE SHEET H7 FOR SIGN SUMMARY TABLE

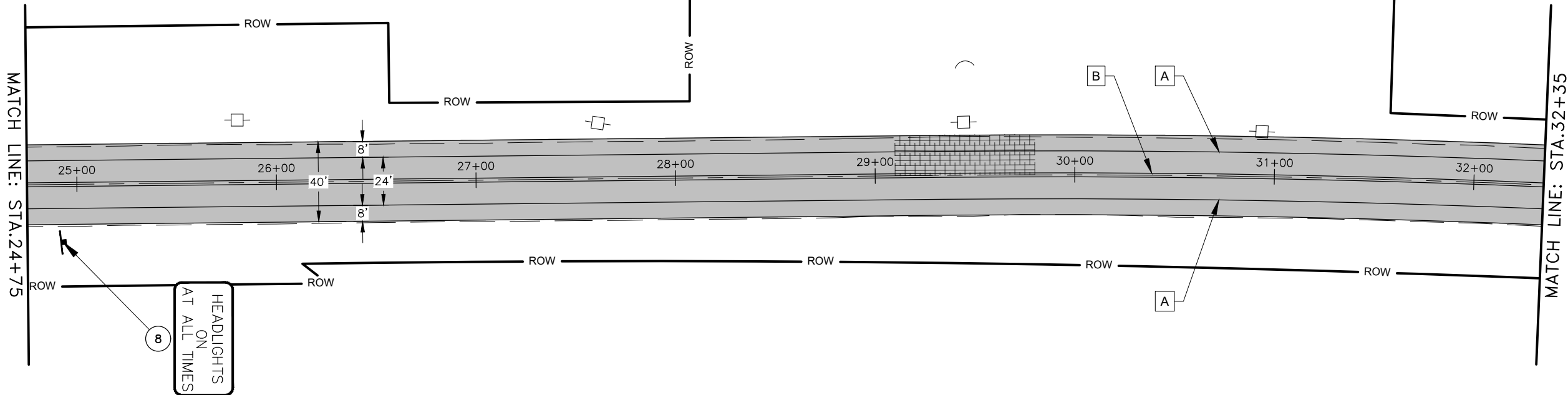


DRAFT





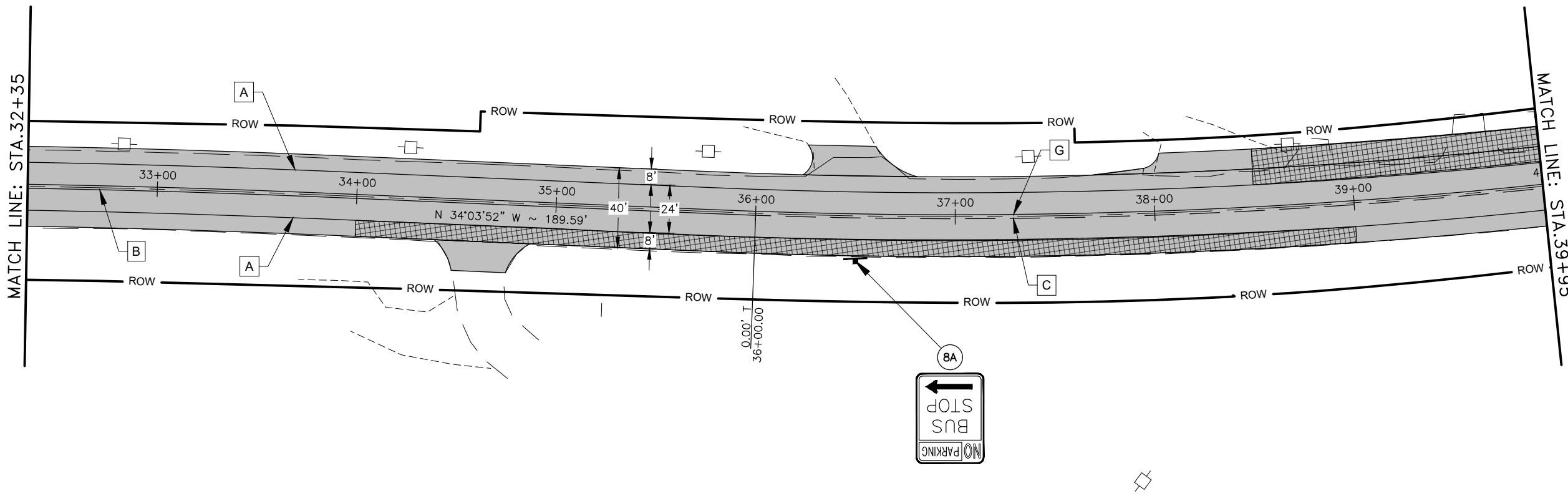
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHwy00536	2024	H2	40



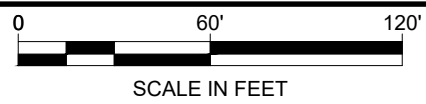
SEE SHEET H7 FOR SIGN SUMMARY TABLE

SYMBOL	DESCRIPTION	WIDTH	PATTERN	L.F.
A	SOLID, WHITE 4"	4"		3040
B	SOLID DOUBLE, YELLOW 4"	4"		1125
C	PASSING, YELLOW 4"	4"		395
D	SOLID, WHITE 8"	8"		-
E	SOLID YELLOW 18" @ 45°	18"		-
F	STOP BAR, WHITE 24"	24"		-
G	SOLID, YELLOW 4"	4"		-

DRAFT

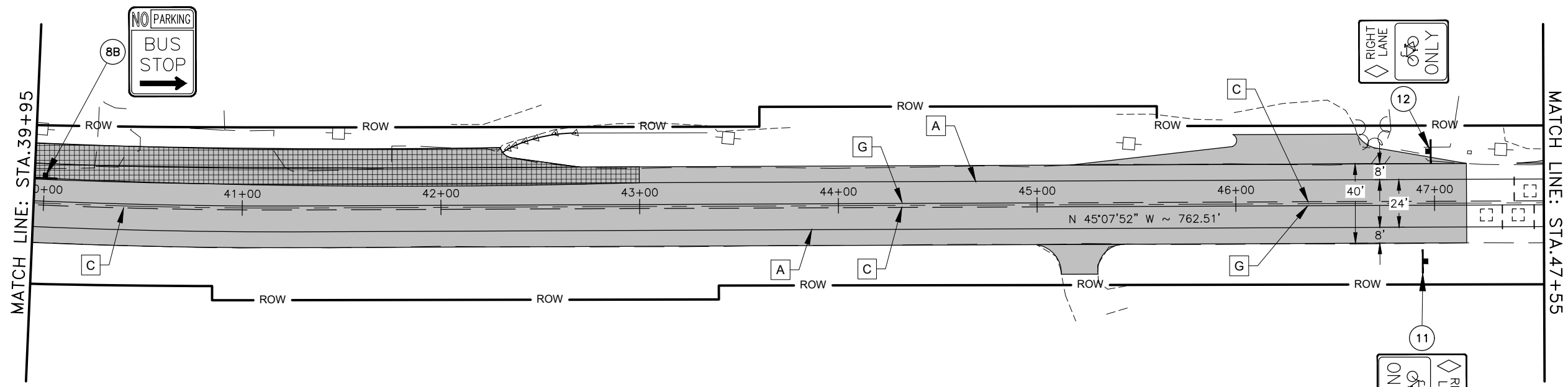


FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE C:\ktn\SFH\00181\Plan\set\00181_H1-H16 - Segment 1.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 DESIGNED BY, AH, RM CHECKED BY, AH, RM
 DRAFTED BY, RM, AH, WU
 CERTIFICATE OF AUTH #:



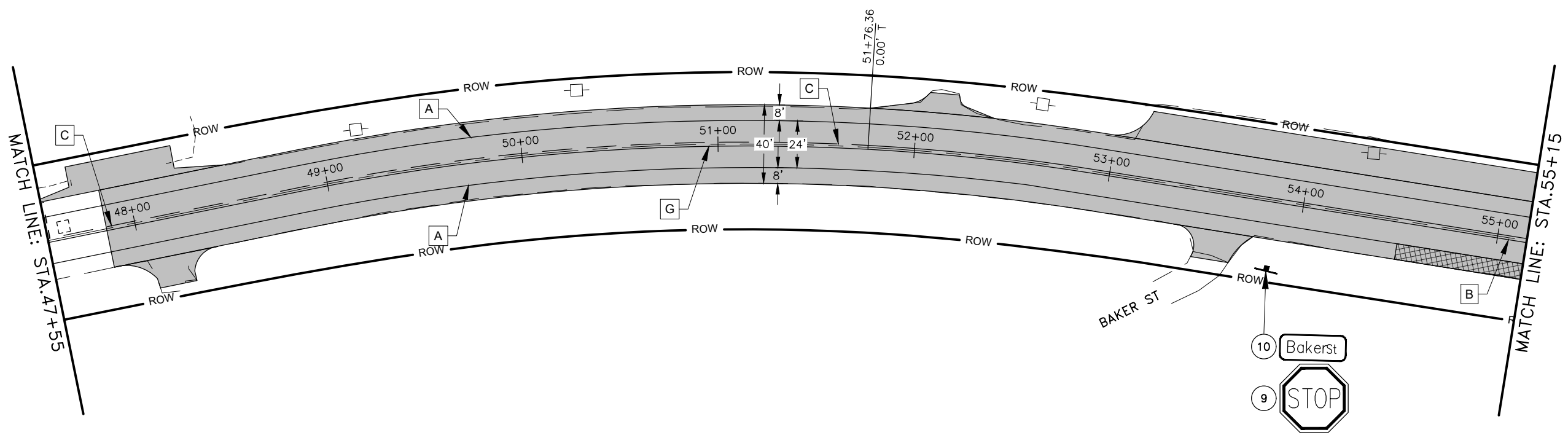
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWHY00536	2024	H3	40

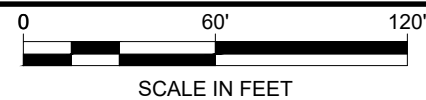
SEE SHEET H7 FOR SIGN SUMMARY TABLE



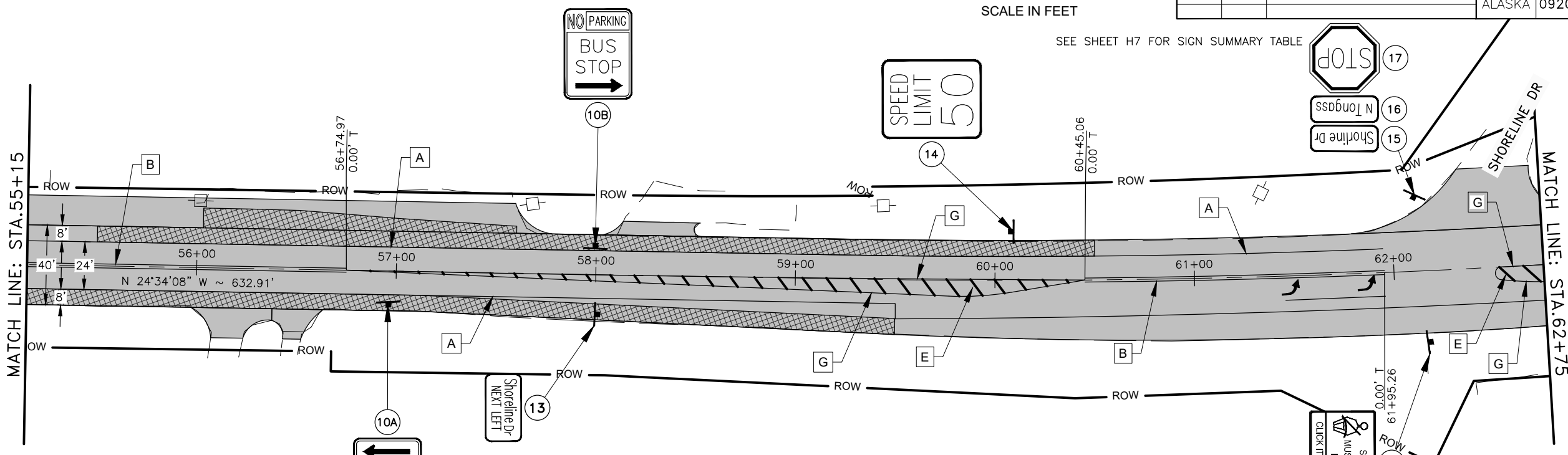
SYMBOL	DESCRIPTION	WIDTH	PATTERN	L.F.
A	SOLID, WHITE 4"	4"	————	3040
B	SOLID DOUBLE, YELLOW 4"	4"	=====	339
C	PASSING, YELLOW 4"	4"	-|10'|—30'|—10'|—	1172
D	SOLID, WHITE 8"	8"	————	-
E	SOLID YELLOW 18" @ 45°	18"	————	-
F	STOP BAR, WHITE 24"	24"	————	-
G	SOLID, YELLOW 4"	4"	————	-

DRAFT

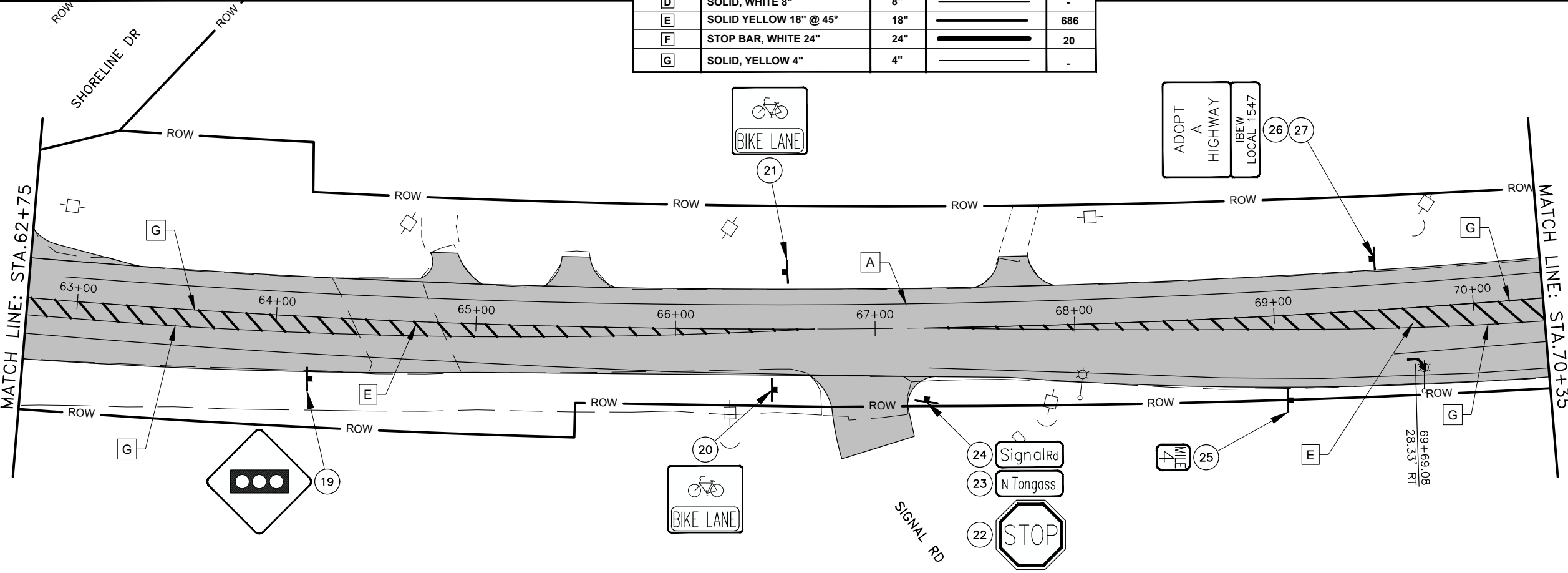




NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHwy00536	2024	H4	40



STRIPING LEGEND				
SYMBOL	DESCRIPTION	WIDTH	PATTERN	L.F.
A	SOLID, WHITE 4"	4"	————	3106
B	SOLID DOUBLE, YELLOW 4"	4"	=====	2527
C	PASSING, YELLOW 4"	4"	-|10| - 30 - |10| -	-
D	SOLID, WHITE 8"	8"	————	-
E	SOLID YELLOW 18" @ 45°	18"	//////	686
F	STOP BAR, WHITE 24"	24"	————	20
G	SOLID, YELLOW 4"	4"	————	-



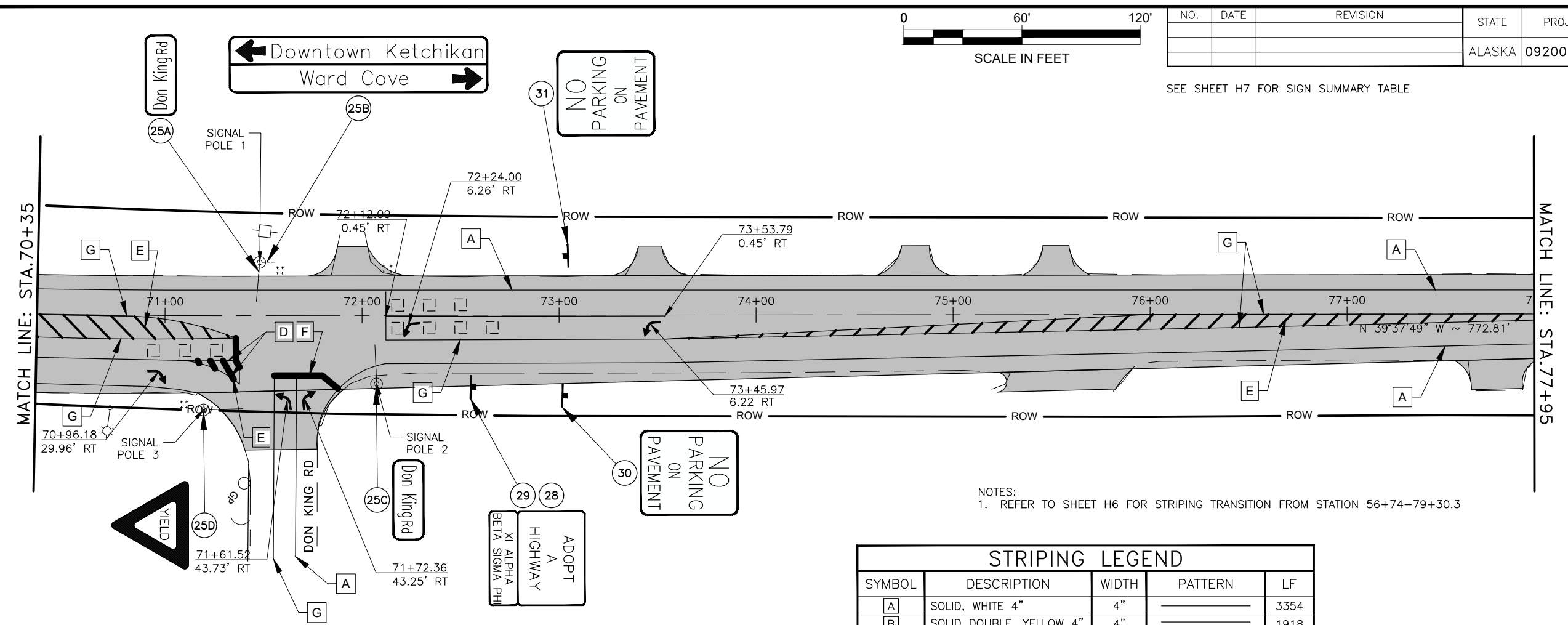
NOTES:
 1. REFER TO SHEET H6 FOR STRIPING TRANSITION FROM STA 56+74 - 79+30.3

DRAFT



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\HWY00536	2024	H5	40

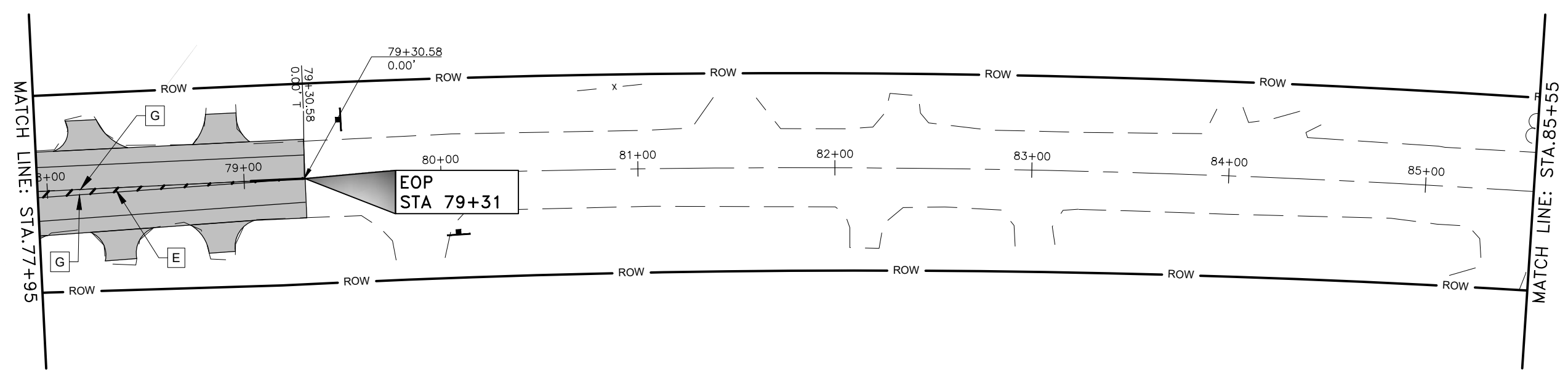
SEE SHEET H7 FOR SIGN SUMMARY TABLE



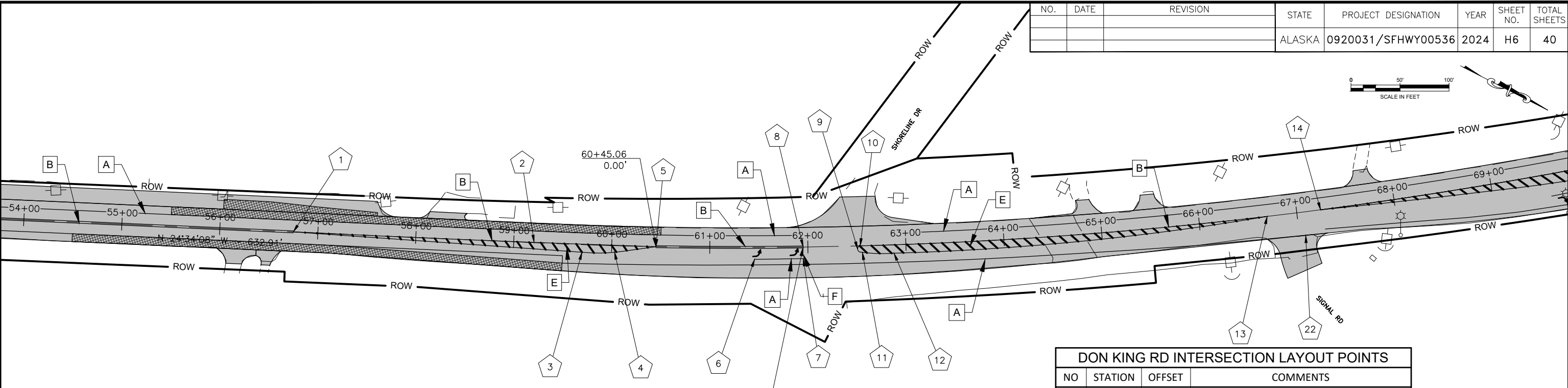
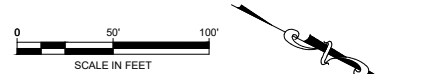
NOTES:
 1. REFER TO SHEET H6 FOR STRIPING TRANSITION FROM STATION 56+74-79+30.3

STRIPING LEGEND				
SYMBOL	DESCRIPTION	WIDTH	PATTERN	LF
A	SOLID, WHITE 4"	4"	=====	3354
B	SOLID DOUBLE, YELLOW 4"	4"	=====	1918
C	PASSING, YELLOW 4"	4"	-|10'|-30'-|10'|-	-
D	SOLID, WHITE 8"	8"	=====	-
E	SOLID YELLOW 18" @ 45°	18"	=====	401
F	STOP BAR, WHITE 24"	24"	=====	35
G	SOLID, YELLOW 4"	4"	=====	-

DRAFT



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH00536	2024	H6	40

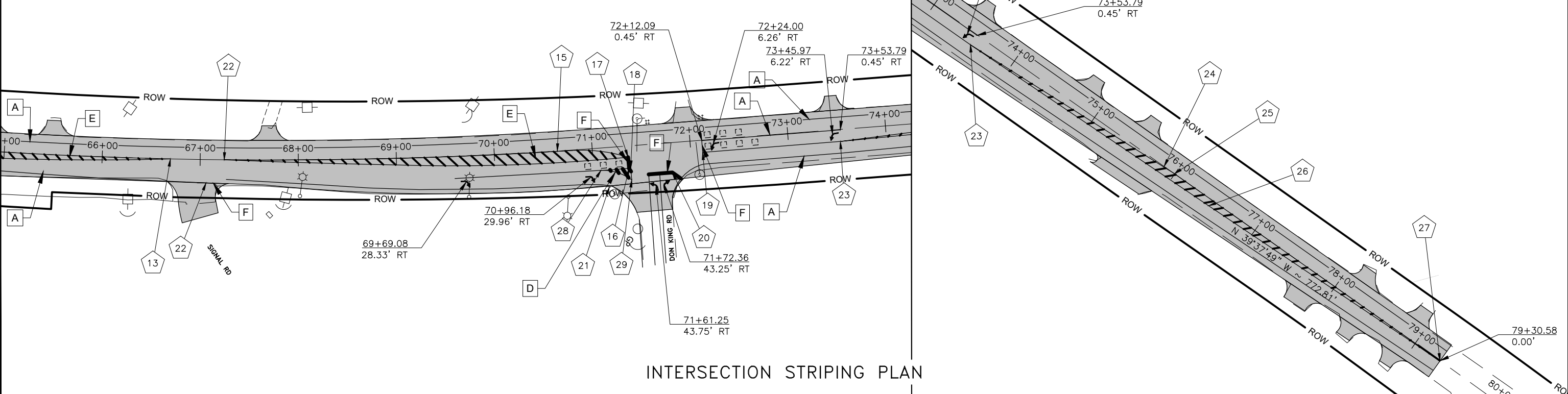


NO	STATION	OFFSET	COMMENTS
1	56+75	0	START STRIPING; TRANSITION
2	59+25.66	0	P.C.
3	59+79	8 RT	PC; RADIUS 150'
4	60+08	6 RT	PT
5	60+45	0 RT	END PAINTED ISLAND
6	61+45	11 RT	BEGIN 8" WHITE
7	61+95	11 RT	END 8" WHITE
8	61+95	0	END OF 4" DOUBLE YELLOW
9	62+50	0	BEGIN PAINTED ISLAND
10	62+53	0	
11	62+53	6 RT	RADIUS 150'
12	62+87	8.5 RT	P.C.
13	66+69	0	END PAINTED ISLAND; TRANSITION

SYMBOL	DESCRIPTION	WIDTH	PATTERN	L.F.
A	SOLID, WHITE 4"	4"	—————	
B	SOLID DOUBLE, YELLOW 4"	4"	=====	
C	PASSING, YELLOW 4"	4"	—|10'|—30'|—|10'|—	
D	SOLID, WHITE 8"	8"	—————	
E	SOLID YELLOW 18" @ 45°	18"	—————	
F	STOP BAR, WHITE 24"	24"	—————	
G	SOLID, YELLOW 4"	4"	—————	

NO	STATION	OFFSET	COMMENTS
14	67+24.5	0	START STRIPING
15	70+78.3	0.3 RT	P.C.
16	71+36.1	22.8 RT	P.C.
17	71+35.9	11.4 RT	P.T.
18	71+42.9	24.1 RT	CORNER OF ISLAND
19	72+12	12.4 RT	STOP BAR
20	71+79.4	30.2 RT	ANGLE IN STOP BAR
21	70+95.4	35.4 RT	END CURB
22	67+13.6	23.8 RT	ANGLE IN STOP BAR
23	73+53.9	12.2 RT	BEGIN PAINTED ISLAND
24	75+90.2	0.5 RT	P.C.
25	75+97.7	0.03 RT	P.T.
26	76+45.0	6.7 RT	END CURVE
27	79+30.3	0	END STRIPING
28	71+06.4	22.7 RT	ISLAND CORNER
29	71+37.8	34.8 RT	ISLAND CORNER

DRAFT



INTERSECTION STRIPING PLAN

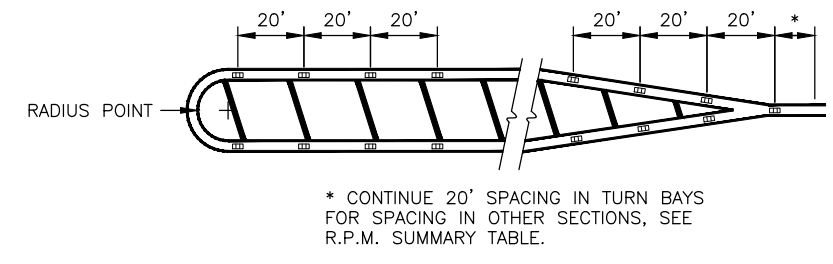
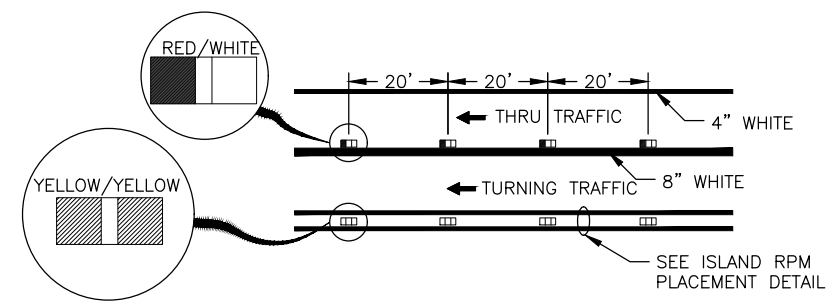
FILE G:\ktn\SFHWY00181\Plan\00181_H1-H16 - Segment 1.dwg DATE 2/2/2024 13:16 LAYOUT H7 SUMMARY DESIGNED BW, AH, RM CHECKED BW, AH, RM DRAFTED RM, AH, WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWY00536	2024	H7	40

[615.0001.0000] STANDARD SIGN

SIGN NO.	LEGEND	STATION	OFFSET	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	POST	EMBEDMENT	SIGN FACING	FRAMED	BRACED	COMMENTS
1	ADOPT A HIGHWAY	17+50	RT	D14-100	30	24	5.0	2.5" PST	SOIL	NB			
2	IBEW LOCAL 1547	17+50	RT	D14-100	30	12	2.5	-	-	NB			MOUNT BELOW SIGN NO. 1
3	MILEPOST 3	17+50	RT	M10-2	6	8	0.3	-	-	NB			MOUNT BELOW SIGN NO. 2
4	STOP	19+90	LT	R1-1	30	30	6.3	2.5" PST	SOIL	EB			
5	SPEED LIMIT 35	21+00	LT	R2-1	30	36	7.5	2.5" PST	SOIL	SB			
6	SPEED LIMIT 50	21+00	RT	R2-1	30	36	7.5	2.5" PST	SOIL	NB			
7	AHEAD SPEED LIMIT 35	24+10	LT	W3-5	36	36	9.0	2.5" PST	SOIL	SB			
8	HEADLIGHTS ON AT ALL TIMES	24+92	RT	R16-110	42	30	8.8	2.5" PST	SOIL	NB		X	
8A	NO PARKING / BUS STOP	36+50	RT	R7-107	12	18	1.5	2" PST	SOIL	SW			
8B	NO PARKING / BUS STOP	40+00	LT	R7-107	12	18	1.5	2" PST	SOIL	NE			
9	STOP	53+80	RT	R1-1	30	30	6.3	2.5" PST	SOIL	WB			
10	Baker St	53+80	RT	D3-1	42	12	3.5	-	-	N/S			USE 6" UC / 4" LC C-FONT, DOUBLE SIDED LEGEND. MOUNT ABOVE SIGN NO. 9 WITH 12" BRACKET*
10A	NO PARKING / BUS STOP	57+00	RT	R7-107	12	18	1.5	2" PST	SOIL	SW			
10B	NO PARKING / BUS STOP	58+00	LT	R7-107	12	18	1.5	2" PST	SOIL	NE			
11	RIGHT LANE BIKE ONLY	47+00	RT	R3-17	24	30	5.0	2.5" PST	SOIL	NB			
12	RIGHT LANE BIKE ONLY	47+00	LT	R3-17	24	30	5.0	2.5" PST	SOIL	SB			
13	SHORELINE DRIVE NEXT LEFT	58+00	RT	D3-2	78	12	6.5	2 x 2" PST	SOIL	NB	X		
14	SPEED LIMIT 50	60+00	LT	R2-1	30	36	7.5	2.5" PST	SOIL	SB			
15	Shoreline Drive	62+30	LT	D3-1	48	12	4.0	-	-	N/S			USE 6" UC / 4" LC B-FONT, DOUBLED-SIDED LEGEND. MOUNT ABOVE SIGN NO. 16 WITH 12" BRACKET*
16	N Tongass Hwy	62+30	LT	D3-1	42	8	2.3	-	-	E/W			USE 4" UC / 3" LC B-FONT, DOUBLE-SIDED LEGEND. MOUNT ABOVE SIGN NO. 17
17	STOP	62+30	LT	R1-1	30	30	6.3	2.5" PST	SOIL	EB			
18	BUCKLE UP FOR SAFETY	62+80	RT	R16-117	51	36	12.8	2 X 4"X4" W	SOIL	NB	X		
19	SIGNAL AHEAD (SYMBOL)	65+30	RT	W3-3	36	36	9.0	2.5" PST	SOIL	NB			
20	RIGHT LANE BIKE ONLY	66+50	RT	R3-17	24	30	5.0	2.5" PST	SOIL	NB			
21	RIGHT LANE BIKE ONLY	66+50	LT	R3-17	24	30	5.0	2.5" PST	SOIL	SB			
22	STOP	67+24	RT	R1-1	30	30	6.3	2.5" PST	SOIL	WB			
23	N Tongass Hwy	67+24	RT	D3-1	42	8	2.3	-	-	E/W			USE 4" UC / 3" LC B-FONT, DOUBLE-SIDED LEGEND. MOUNT ABOVE SIGN NO. 22
24	Signal Rd	67+24	RT	D3-1	42	12	3.5	-	-	N/S			USE 6" UC / 4" LC C-FONT, DOUBLE-SIDED LEGEND. MOUNT ABOVE SIGN NO. 23 WITH 12" BRACKET*
25	MILEPOST 4	69+00	RT	M10-2	6	8	0.3	2" PST	SOIL	NB			
25A	Don King Rd	71+48	LT	D3-200	102	24	17.0	MAST	-	NW			MOUNT ON MAST ARM
25B	< Ketchikan / Ward Cove >	71+52	LT	D3-102	72	28.5	14.3	MAST	-	NE			MOUNT ON MAST ARM
25C	Don King Rd	72+07	RT	D3-200	102	24	17.0	MAST	-	SE			MOUNT ON MAST ARM
25D	YIELD	71+20	RT	R1-2	18	15.6	1.0	SIGNAL POLE	-	SB			
26	ADOPT A HIGHWAY	69+50	LT	D14-100	30	24	5.0	2.5" PST	SOIL	SB			
27	IBEW LOCAL 1547	69+50	LT	D14-100	30	12	2.5	-	SOIL	SB			MOUNT BELOW SIGN NO. 26
28	ADOPT A HIGHWAY	72+50	RT	D14-100	30	24	5.0	2.5" PST	SOIL	NB			
29	xi alpha beta sigma phi	72+50	RT	D14-100	30	12	2.5	-	-	NB			MOUNT BELOW SIGN NO. 28
30	NO PARKING ON PAVEMENT	73+00	RT	R8-1	24	30	5.0	2.5" PST	SOIL	NB			
31	NO PARKING ON PAVEMENT	73+00	LT	R8-1	24	30	5.0	2.5" PST	SOIL	SB			
TOTAL:							217.6						

* SEE 3/E1 FOR 12" BRACKET DETAILS



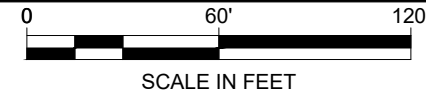
1 H7 RECESSED PAVEMENT MARKER DETAIL FOR TURN BAYS NOT TO SCALE

2 H7 RECESSED PAVEMENT MARKER DETAIL FOR PAINTED ISLANDS NOT TO SCALE

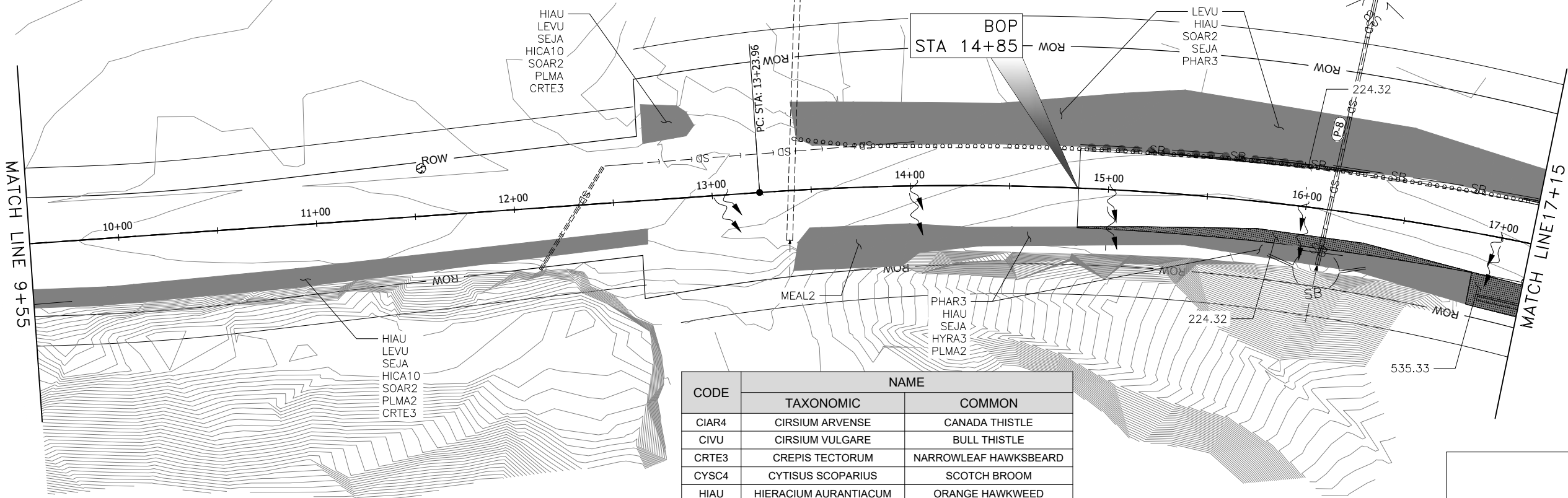
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
KTN N. TONGASS HWY
RESURFACE:
AIRPORT TERMINAL TO
WARD CREEK BRIDGE

SUMMARY

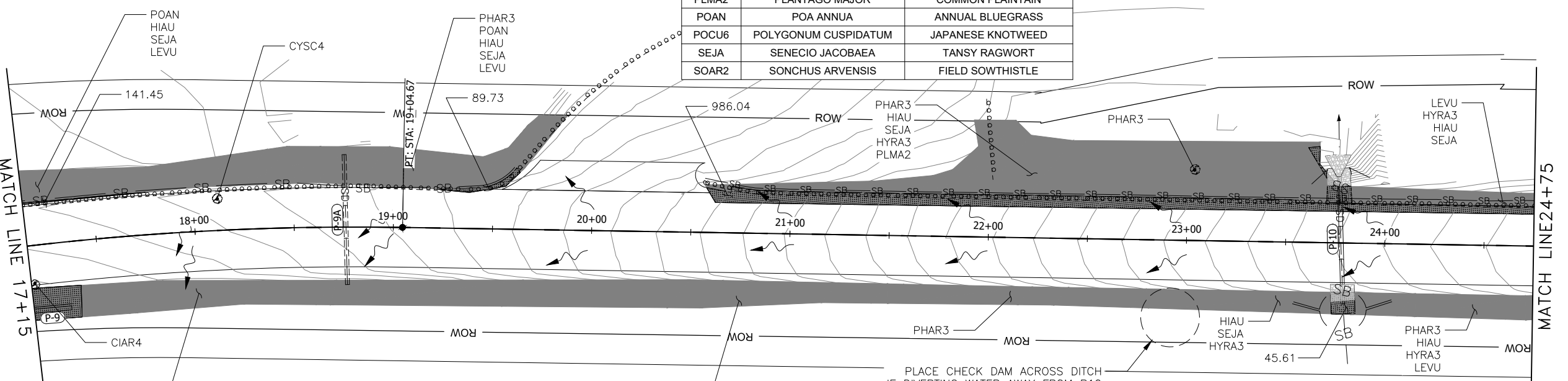


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWHY00536	2024	P1	40



CODE	NAME	
	TAXONOMIC	COMMON
CIAR4	CIRSIIUM ARVENSE	CANADA THISTLE
CIVU	CIRSIIUM VULGARE	BULL THISTLE
CRTE3	CREPIS TECTORUM	NARROWLEAF HAWKSBEARD
CYSC4	CYTISUS SCOPARIUS	SCOTCH BROOM
HIAU	HIERACIUM AURANTIACUM	ORANGE HAWKWEED
HICA10	HIERACIUM CAESPITOSUM	MEADOW HAWKWEED
HYRA3	HYPACHAERIS RADICATA	HAIRY CAT'S EAR
LEVU	LEUCANTHEMUM VULGARE	OXEYE DAISY
MEAL2	MELILOTUS ALBUS	WHITE SWEETCLOVER
PHAR3	PHALARIS ARUNDINACEA	REED CANARYGRASS
PLMA2	PLANTAGO MAJOR	COMMON PLAINTAIN
POAN	POA ANNUA	ANNUAL BLUEGRASS
POCU6	POLYGONUM CUSPIDATUM	JAPANESE KNOTWEED
SEJA	SENECIO JACOBABEA	TANSY RAGWORT
SOAR2	SONCHUS ARVENSIS	FIELD SOWTHISTLE

INVASIVE SPECIES AREAS WITHIN CONSTRUCTION LIMITS ARE INDICATED WITH NUMBER OF SQUARE FEET



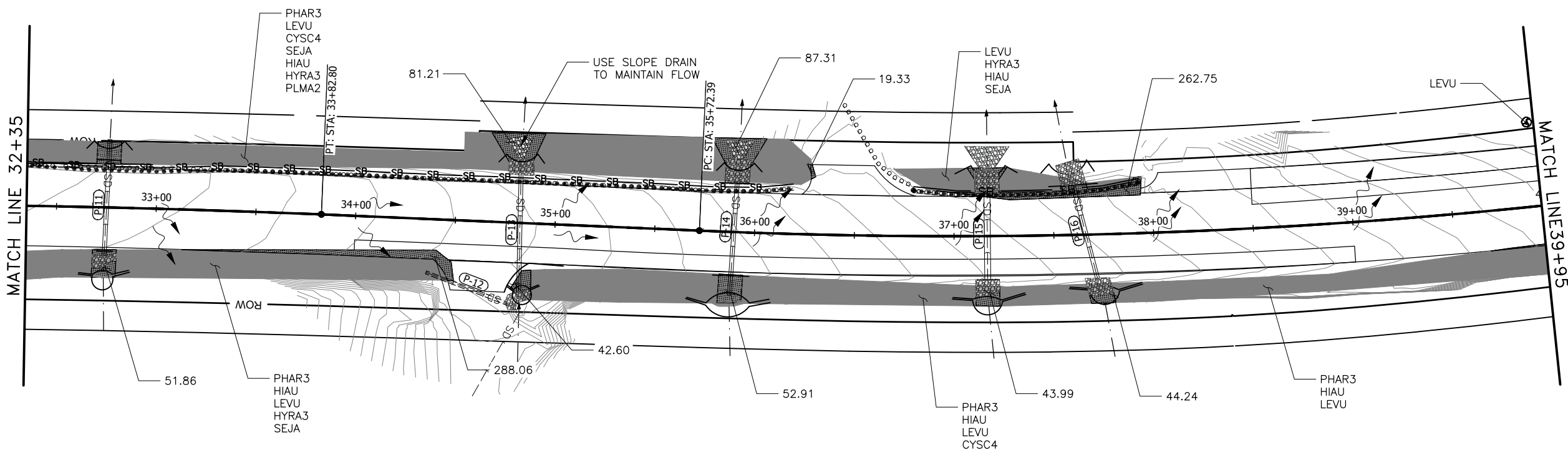
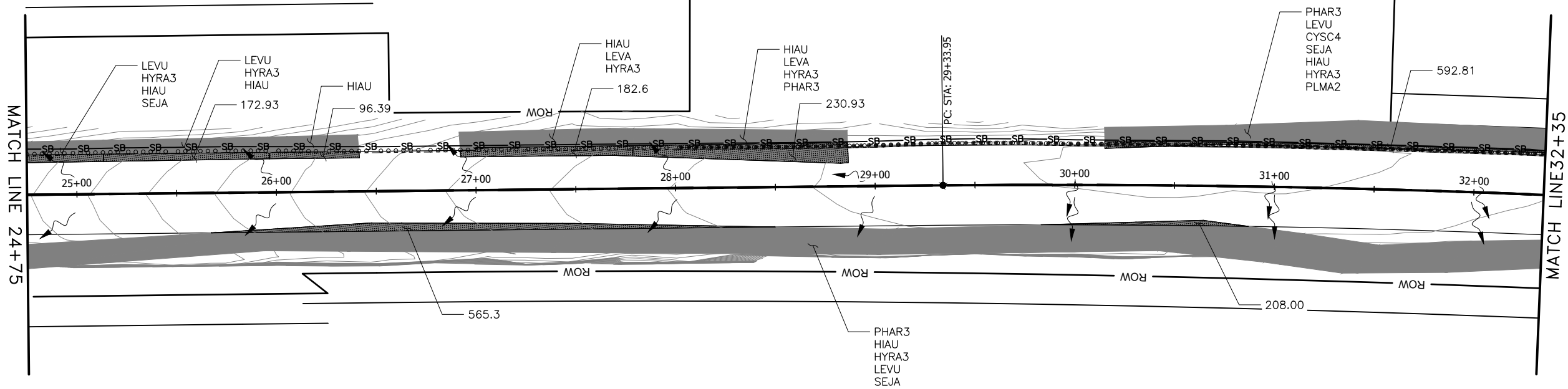
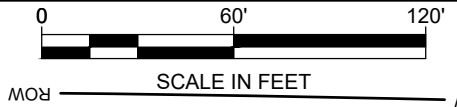
LEGEND

	PROFILE FLOW		INVASIVE SPECIES AREA UNDER 5 SF
	SEDIMENT BARRIER		INVASIVE SPECIES AREA
	WATERS OF THE U.S.		INVASIVE SPECIES WITHIN CONSTRUCTION LIMITS
	ANADROMOUS STREAM		

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWHY00536	2024	P2	40



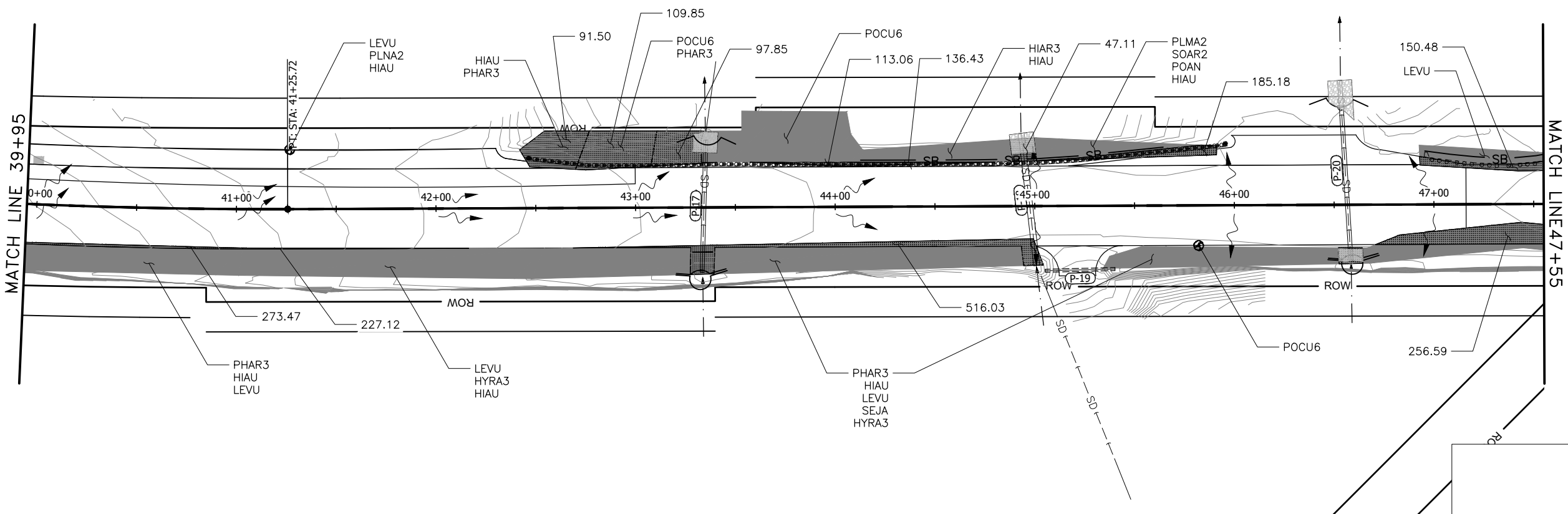
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FIRM: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE: Q:\Ktr\SFH\00181\Planset\00181_P-SHEETS - Segment 1.dwg

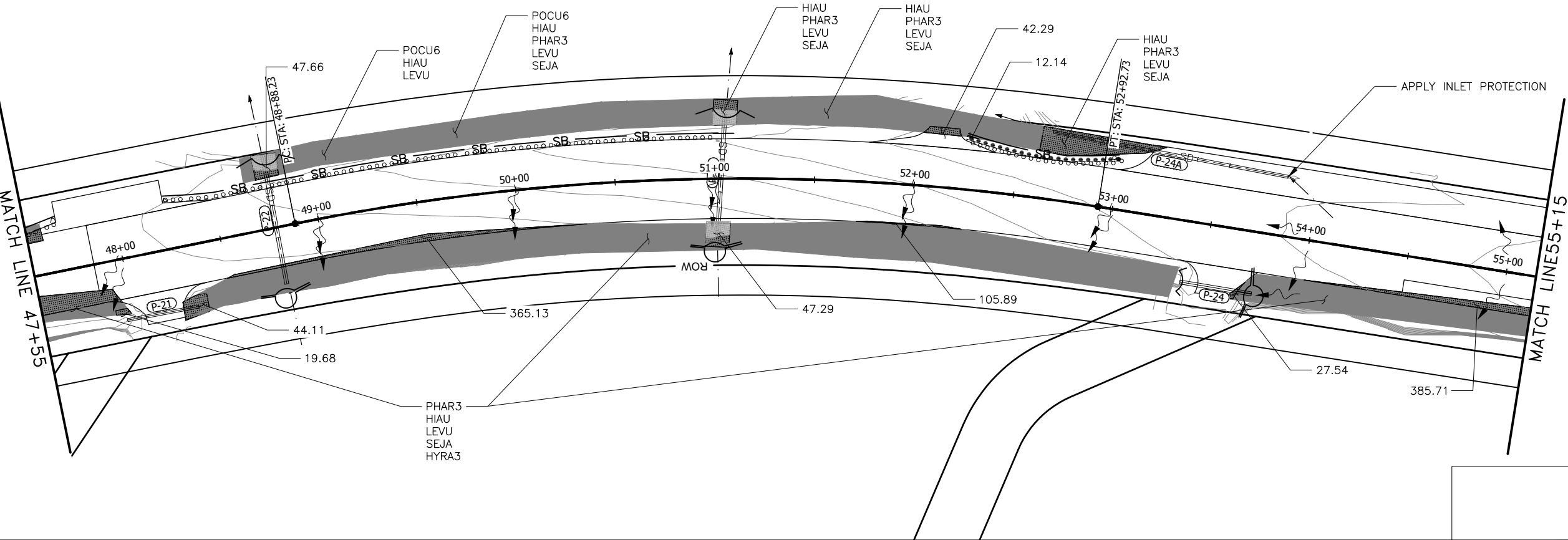
ADDRESS: 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE: (907) 485-1763
 DATE: 2/8/2024 11:00
 LAYOUT: P3 ESCP

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\00536	2024	P3	40



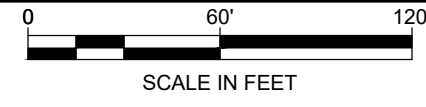
DRAFT

ESCP

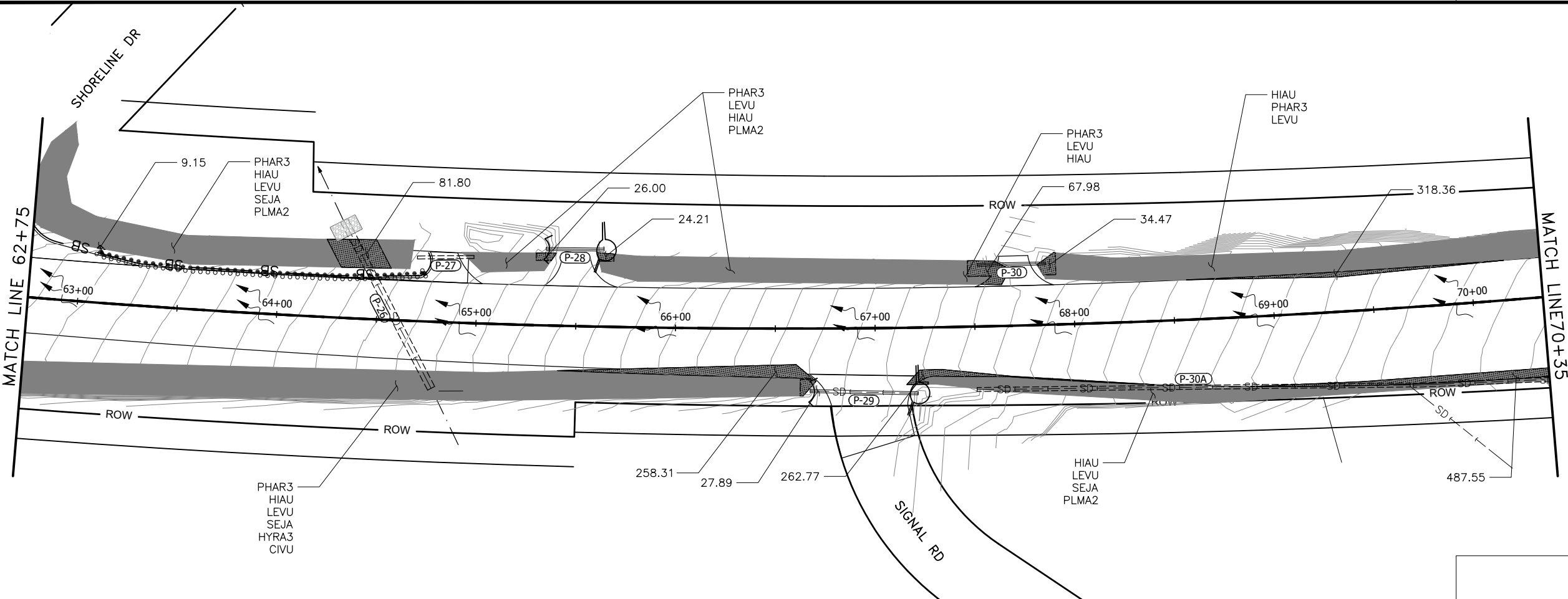
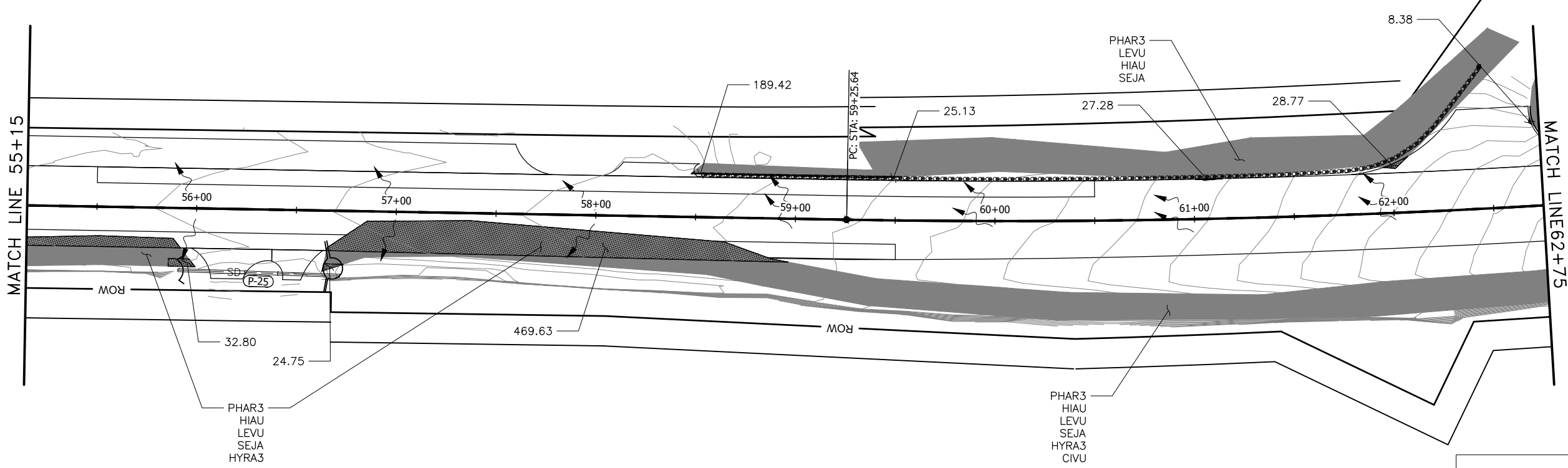


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ESCP



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH00536	2024	P4	40



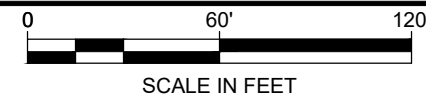
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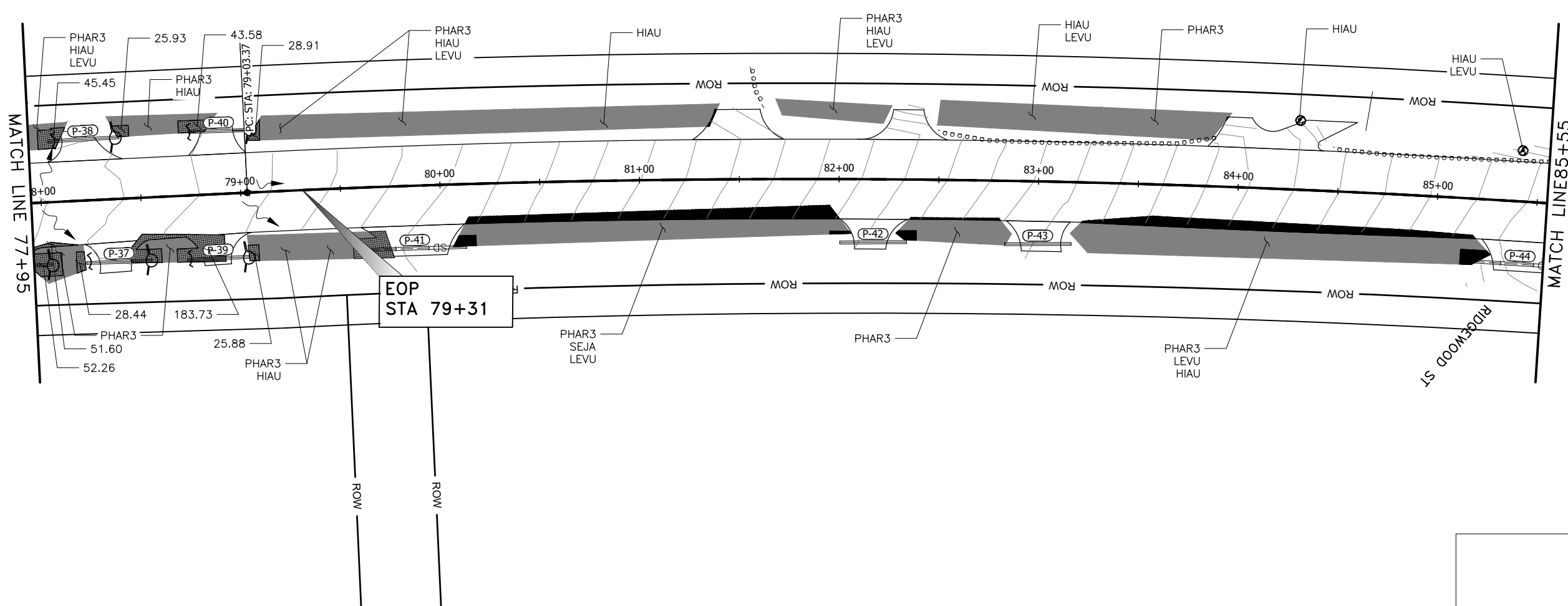
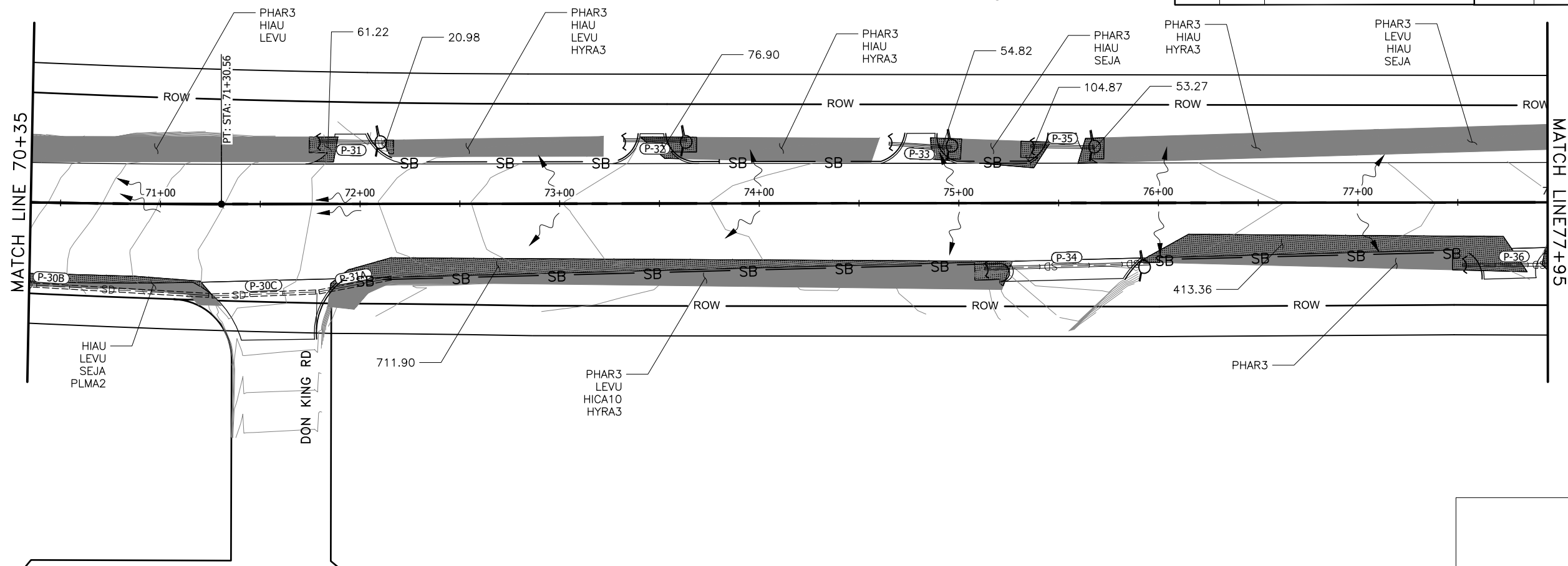
ESCP

ESCP

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE Q:\ktn\SFH\00181\Plan\set\00181_P-SHEETS - Segment 1.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 DESIGNED BY: AH, RM
 CHECKED BY: BW
 DRAFTED BY: RM, AH, WU
 CERTIFICATE OF AUTH #:



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFH\WY00536	2024	P5	40

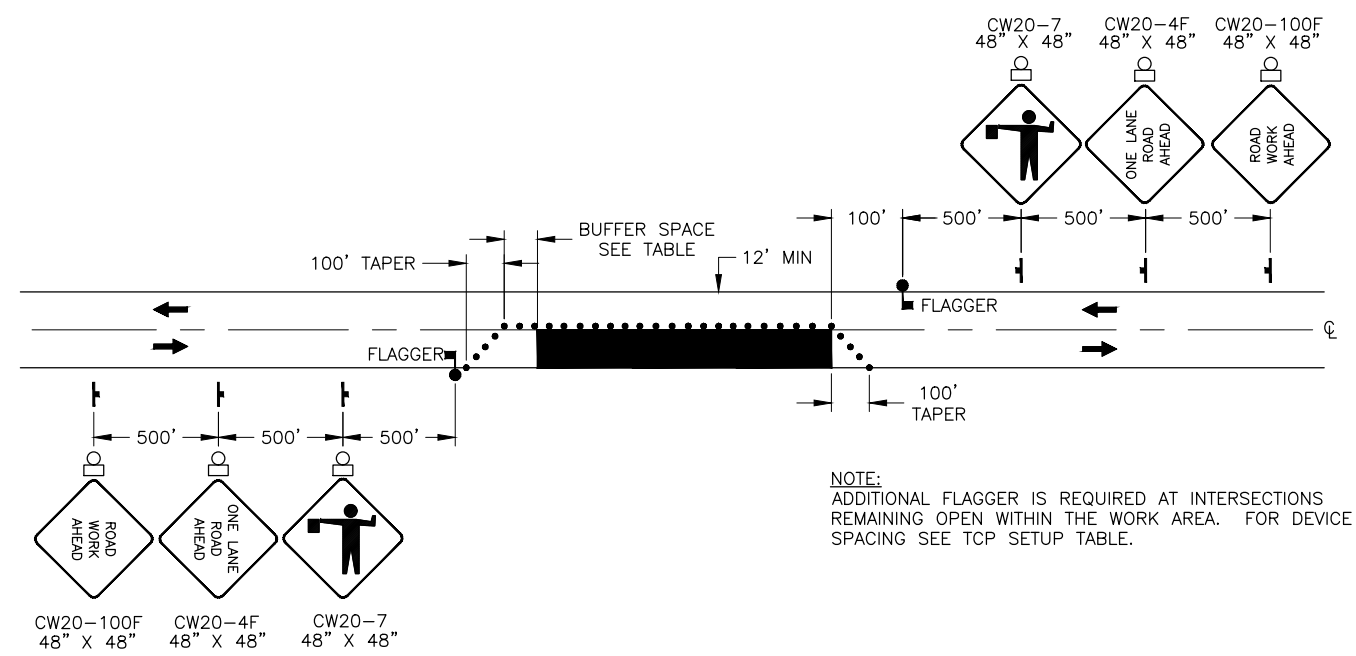


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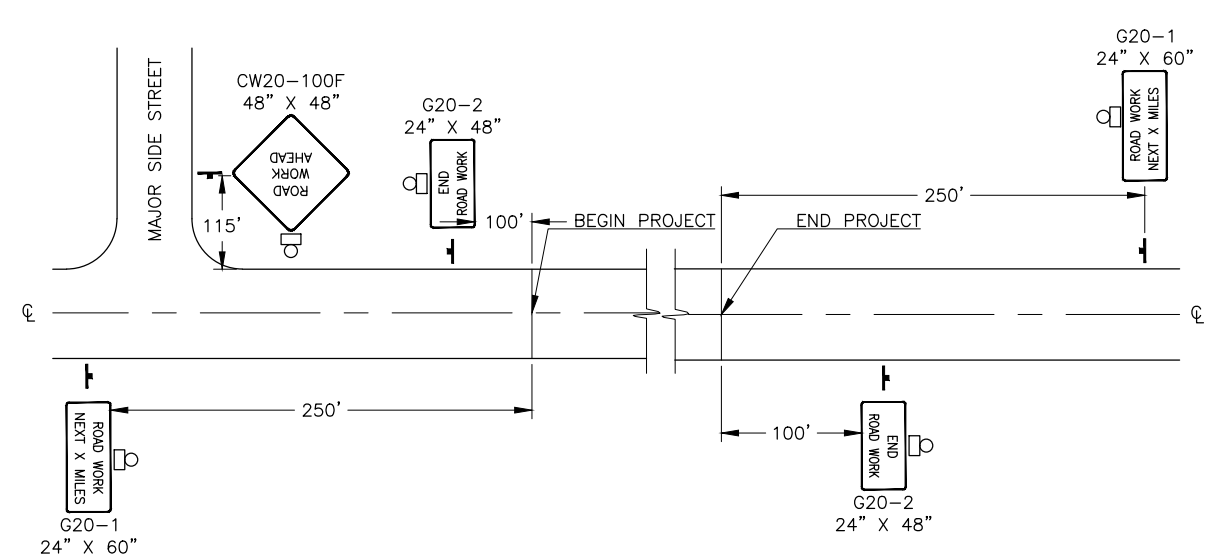
FILE G:\Ktn\SFHwy00181\PlanSet\00181_T1 - Segment 1.dwg
 DATE 2/2/2024 13:26
 LAYOUT T1 TCP
 DESIGNED BW, AH, RM
 CHECKED BW
 DRAFTED RM, AH, WU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHwy00536	2024	T1	40



TWO LANE ROADWAY-SINGLE LANE CLOSURE

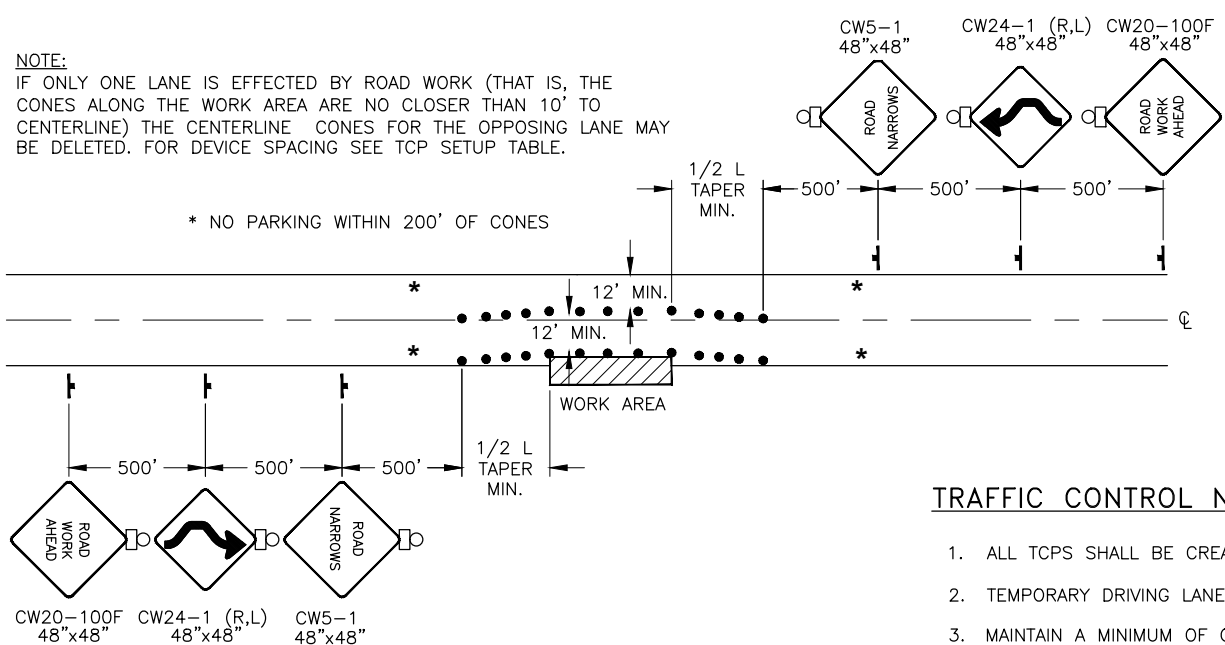
NOTE:
 ADDITIONAL FLAGGER IS REQUIRED AT INTERSECTIONS REMAINING OPEN WITHIN THE WORK AREA. FOR DEVICE SPACING SEE TCP SETUP TABLE.



PERMANENT CONSTRUCTION SIGNING

1. PLACE DOUBLE FINE TRAFFIC SIGNS PER ALASKA STANDARD PLAN C-04.12

NOTE:
 IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED. FOR DEVICE SPACING SEE TCP SETUP TABLE.



LANE SHIFT

TRAFFIC CONTROL NOTES:

- ALL TCPS SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEERING FOR APPROVAL
- TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 12'-0".
- MAINTAIN A MINIMUM OF ONE LANE TO BE OPEN FOR TRAFFIC AT ALL TIMES
- CONSTRUCTION SIGNS SHALL BE PLACED SUCH THAT THEY DO NOT OBSCURE EXISTING TRAFFIC SIGNS
- MAJOR SIDE STREETS:
 - SHORELINE DRIVE
 - SIGNAL RD
 - DON KING RD
- COORDINATE TRAFFIC CONTROL OPERATIONS WITH SFHWY00432 - KTN WOLFE POINT SLOPE STABILITY IMPROVEMENTS

LEGEND	
	..... FLAGGER
	..... CONSTRUCTION SIGN
	..... DRUMS
	..... CONE
	..... WARNING LIGHT
	..... SIGN
	..... CONE
	..... DRUM
	..... FLAGGING STATION
	..... HIGH LEVEL WARNING DEVICES

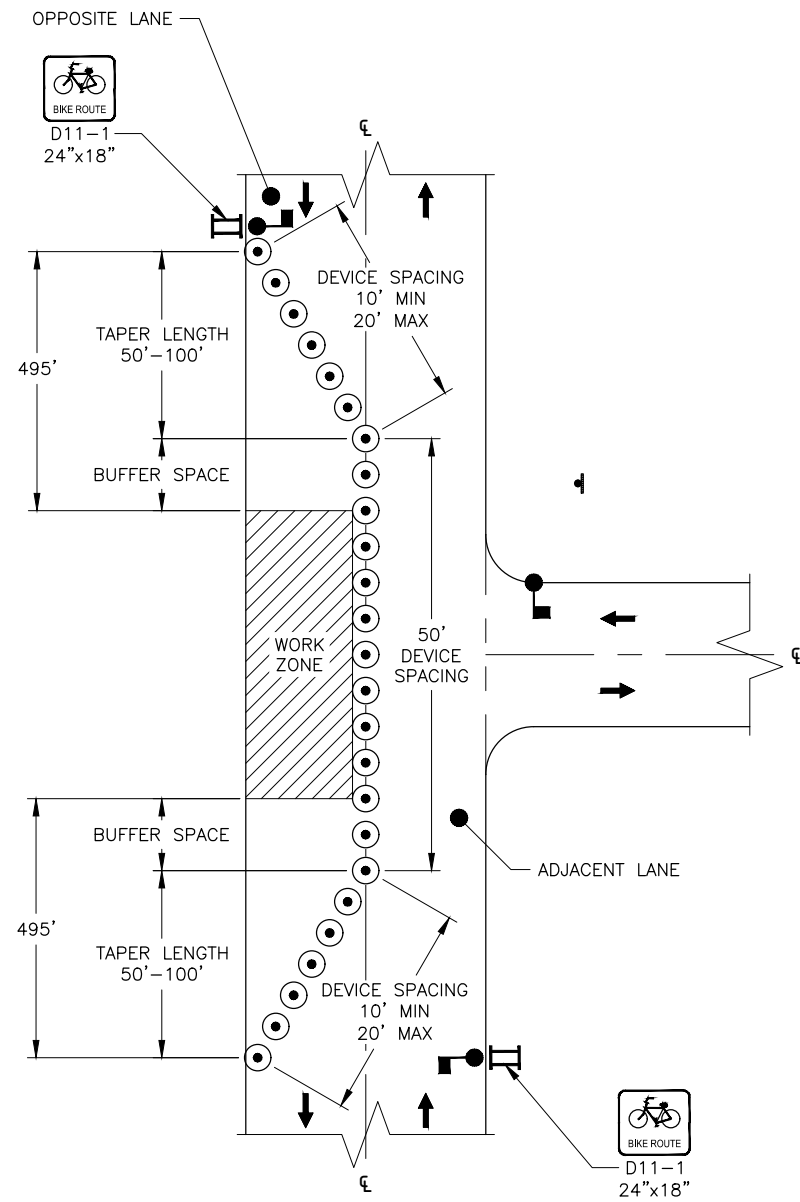
SPEED (MPH)	TCP SETUP TABLE						MAX DEVICE SPACING (LF)		BUFFER SPACE (LF)
	MIN MERGING TAPER LENGTH (L) (LF)			MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) (LF)			ALONG TAPER	ALONG TANGENT	
	10'	11'	12'	10'	11'	12'			
35	205	225	245	7	8	8	35	70	250
50	500	550	600	11	12	13	50	100	425

DRAFT

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 400.3.5 DATED JANUARY 30, 2012.

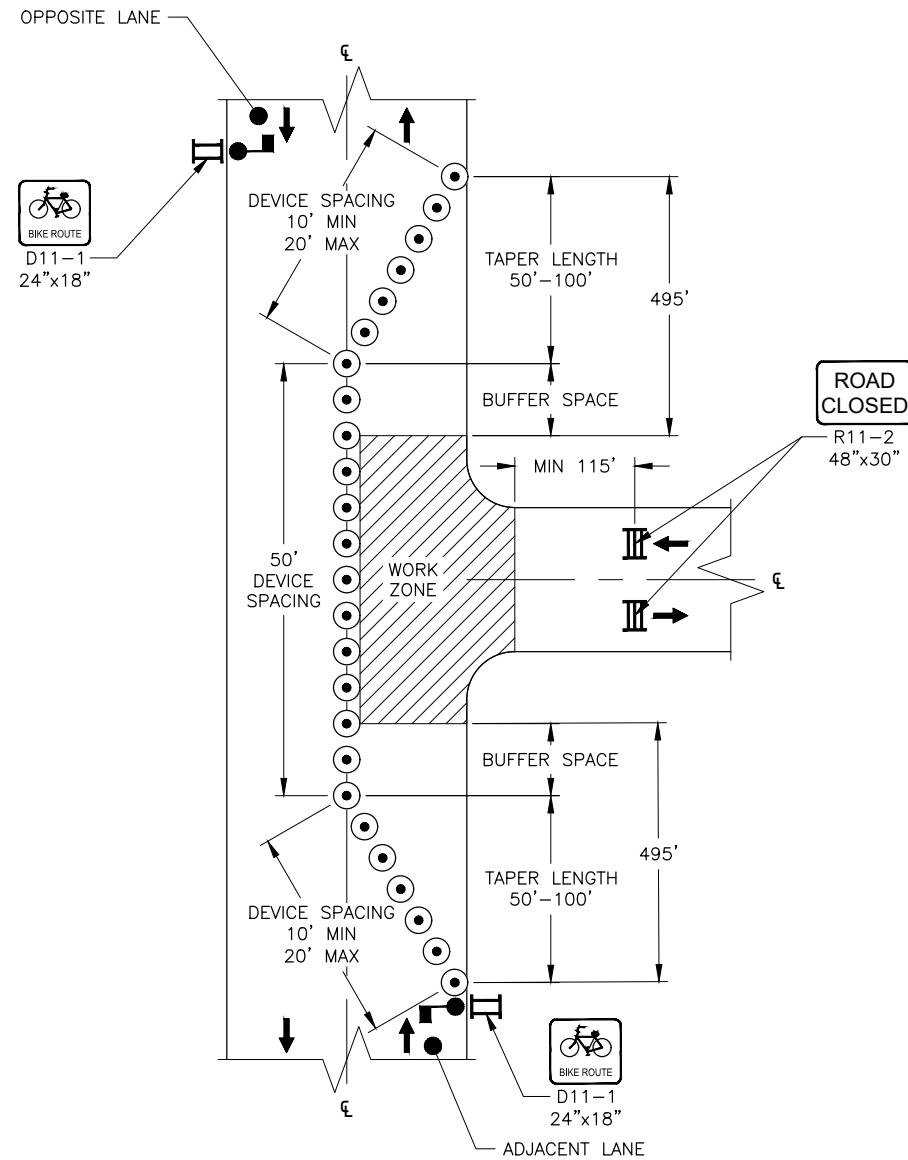
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
KTN N TONGASS HWY
 RESURFACE: A/P F.T. TO WARD CREEK BRIDGE - STAGE 1
 TCP

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0920031/SFHWHY00536	2024	T2	40



OPPOSITE LANE TWO-WAY TRAFFIC CONTROL

1. TCP MAY BE FLIPPED SYMMETRICALLY ABOUT CENTERLINE
2. PLACE ADVANCE WARNING SIGNS PER TWO LANE ROADWAY-SINGLE LANE CLOSURE TRAFFIC CONTROL DETAIL ON SHEET T1



ADJACENT LANE TWO-WAY TRAFFIC CONTROL

1. TCP MAY BE FLIPPED SYMMETRICALLY ABOUT CENTERLINE
2. PLACE ADVANCE WARNING SIGNS PER TWO ROADWAY-SINGLE LANE CLOSURE TRAFFIC CONTROL DETAIL ON SHEET T1

FILE G:\Ktn\SFHWHY00181\PlanSet\00181_T1 - Segment 1.dwg
 DATE 2/2/2024 13:26 LAYOUT T2 TCP
 DESIGNED BW AH RM CHECKED BW
 DRAFTED RM AH WU

DRAFT

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
KTN N TONGASS HWY
RESURFACE: A/P F.T. TO WARD
CREEK BRIDGE - STAGE 1
 TCP