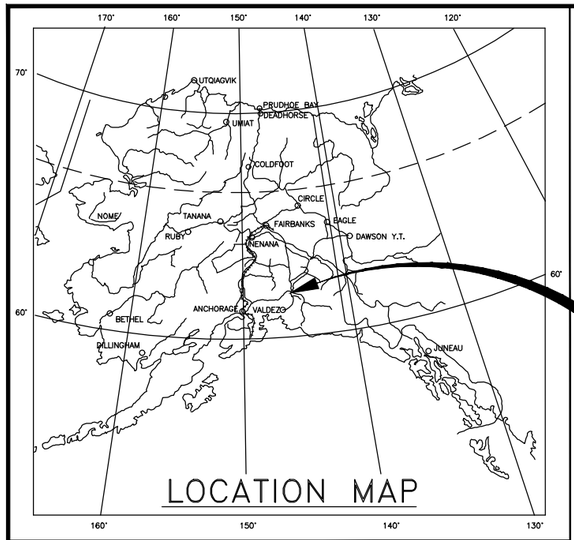
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	A1	14
CDS ROUTE: N/A	MILEPOINT: N/A	TO	N/A	



PROJECT LOCATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

28650106 / NFHWY00720

COPPER CENTER VISITOR CENTER PAVEMENT PRESERVATION

GRADING, PAVING, & STRIPING

INDEX OF SHEETS

TO GLENNALLEN

TO VALDEZ

THE FOLLOWING STANDARD PLANS APPLY TO THIS PROJECT:

N/A

PROJECT SUMMARY

WIDTH OF PAVEMENT	VARIES
LENGTH OF GRADING	1,484 FT
LENGTH OF PAVING	1,484 FT
LENGTH OF PROJECT	1,484 FT

RUSSEL JOHNSON, P.E., PROJECT MANAGER
CHRISTIANE NEWTON, DESIGNER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED BY:

_____ DATE _____

Lauren Little, P.E.
Preconstruction Engineer, Northern Region

ACCEPTED FOR CONSTRUCTION:

_____ DATE _____

Joseph P. Kemp, P.E.
Acting Regional Director, Northern Region

HWYS TITLE SHEET
H:\Projects\Special_Projects\00720 Elias Visitor Center\6 Design\5 Civil 3D\4 Plans Sheets\NFHWY00720_A_TITLE-Title Wed, May/24/23 03:08pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	A2	A4

	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		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 LINE	R/W	
EXISTING RIGHT-OF-WAY LINE		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE	C/A	
UTILITY EASEMENT LINE	PUE	
TEMPORARY EASEMENT LINE (TCP OR TCE)	TCP	
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	FO	
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		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
FENCE	X	X
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	
POST OR BOLLARD		
WELL OR MONITORING WELL	W	
SEPTIC PIPE	S, MW	
FUEL TANK FILL PIPE/VENT	P	
SATELLITE DISH	SAT. DISH	
TEST HOLE	TH	
CONIFER TREE		
DECIDUOUS TREE		
GRAVE		
THERMOSIPHON		
PARKING METER		
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		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	41	41
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:

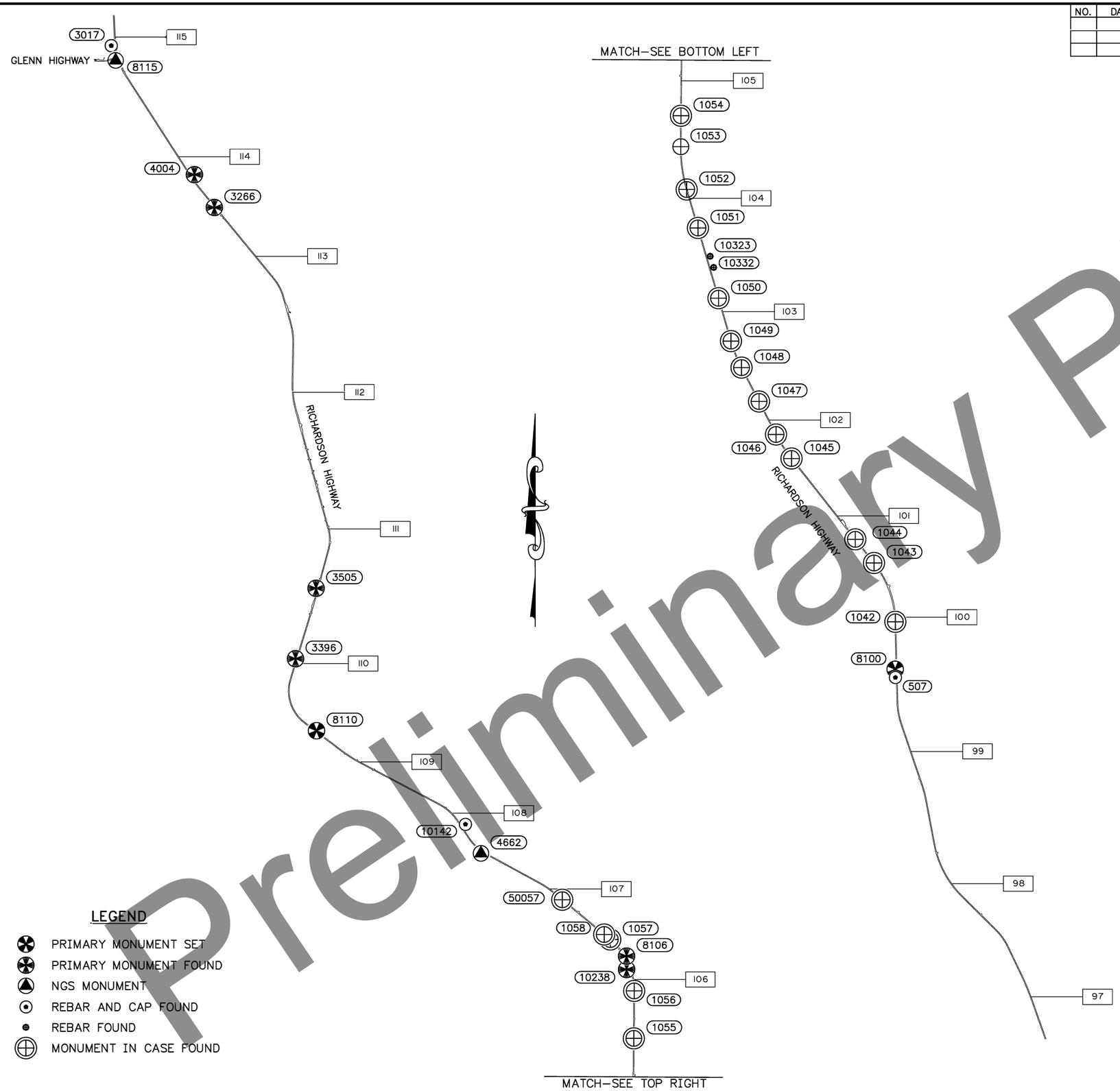
APPROX	APPROXIMATLY
℄	CENTERLINE
CY	CUBIC YARD
E	EAST, EASTING
ELE, ELEV	ELEVATION
FT. '	FOOT, FEET
H	HORIZONTAL
HW/D	HEADWATER TO DIAMETER RATIO
IE	INVERT ELEVATION
IN, "	INCH, INCHES
L	LENGTH OF CURVE
L.C.L	LEFT OF CENTERLINE
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX	MAXIMUM
MIN	MINIMUM
N	NORTH, NORTHING
NO.	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
PC	POINT OF CURVATURE
POT	POINT ON TANGENT
PST	PERFORATED STEEL TUBE
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
R.C.L	RIGHT OF CENTERLINE
RT	RIGHT
S	SOUTH
SQ. FT.	SQUARE FOOT
STA	STATION
T	TANGENT
TCE	TEMPORARY CONSTRUCTION EASEMENT
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

STATE OF ALASKA 49TH
RUSSELL M. JOHNSON
C.E. 9963
REGISTERED PROFESSIONAL ENGINEER

HWYS LEGEND & ABBREVIATIONS

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
H:\Projects\Special_Projects\00720 Elias Visitor Center\6 Design\5 Civil 3D\4 Plans Sheets\NFHWY00720_A_LEGEND-HWYS Legend & Abbreviations Fri, May/19/23 02:06pm

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	28650106 / NFHWY00720	2023	A3	A5



LEGEND

- PRIMARY MONUMENT SET
- PRIMARY MONUMENT FOUND
- NGS MONUMENT
- REBAR AND CAP FOUND
- REBAR FOUND
- MONUMENT IN CASE FOUND

GENERAL NOTES

1. VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO USE. ON MULTI YEAR PROJECTS, VERIFY ALL CONTROL ON A SEASONAL BASIS.

2. BACKGROUND MAPPING IS SHOWN FOR ORIENTATION PURPOSES ONLY. THIS SHEET DOES NOT PURPORT TO DEPICT RIGHT OF WAY.

3. ALL DISTANCES SHOWN ARE GROUND DISTANCES, IN U.S. SURVEY FEET.

4. THIS PROJECT IS LOCATED ENTIRELY WITHIN THE RICH ZONE 3 LOW DISTORTION PROJECTION (LDP), A LOW DISTORTION PROJECTION CREATED BY THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES.

RICH ZONE 3 LDP DEFINITION:
LINEAR UNIT: U.S. SURVEY FOOT (SFT)
DATUM: NAD83(2011)
PROJECTION: TRANSVERSE MERCATOR
CENTRAL MERIDIAN AND GRID ORIGIN: 144° 46'W
LATITUDE OF ORIGIN: 61° 07'N
FALSE NORTHING: 0.0 SFT
FALSE EASTING: 1000000.0 SFT
SCALE FACTOR AT ORIGIN: 1.000071 (EXACT)

5. THE BASIS OF COORDINATES IS A NAD83(2011)(EPOCH: 2010.0000) OPUS AVERAGED DERIVED POSITION.

6. BASIS OF BEARING IS RICH ZONE 3 LDP.

7. BASIS OF VERTICAL IS NAVD88, GEOID 12A.

8. MONUMENTS IN CASES CAN BE USED FOR CONTROL IF NECESSARY. IF THEY ARE IN THE NEWLY CONSTRUCTED ROADWAY THEY ARE TO BE REMOVED DURING CONSTRUCTION AND NOT RESET.

9. PK NAILS AND SPIKES LISTED IN THE COORDINATE TABLE ARE NOT SHOWN FOR CLARITY AT THIS SCALE.

10. THIS DRAWING ALSO PROVIDES CONTROL FOR PAVING IMPROVEMENTS AT THE WRANGELL–ST ELIAS NATIONAL PARK VISITORS CENTER LOCATED AT MILEPOST 106.5 ON THE EAST SIDE OF THE RICHARDSON HIGHWAY.

GRAPHIC SCALE

0 2000 4000 6000 8000 10000

SCALE 1"=2000'

STATE OF ALASKA 49TH
TROY M. HICKS
May 23, 2023
LS-14471
REGISTERED PROFESSIONAL LAND SURVEYOR

SURVEY CONTROL

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
K:\20_Projects\Rich 65-115\5-CAD Drawings\2-Control\NFHWY00218_Control-A3 Tue, May/23/23 11:06am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	A4	A5

CONTROL MONUMENTS

POINT NO.	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	DESCRIPTION
334	277904.51	915461.97	1426.02	N61° 52' 33.0917"	W145° 15' 23.0447"	PK SET PHOTO POINT
335	280914.59	914318.37	1404.36	N61° 53' 02.6406"	W145° 15' 47.3733"	PK SET PHOTO POINT
336	282800.20	913642.93	1388.48	N61° 53' 21.1533"	W145° 16' 01.7659"	PK SET PHOTO POINT
337	286537.57	912296.82	1383.02	N61° 53' 57.8447"	W145° 16' 30.4603"	PK SET PHOTO POINT
338	288347.94	911655.21	1374.07	N61° 54' 15.6181"	W145° 16' 44.1487"	PK SET PHOTO POINT
339	290410.59	910480.48	1373.25	N61° 54' 35.8328"	W145° 17' 09.0136"	PK SET PHOTO POINT
340	291438.24	909480.47	1378.81	N61° 54' 45.8709"	W145° 17' 30.0645"	PK SET PHOTO POINT
341	293232.42	908255.75	1382.46	N61° 55' 03.4363"	W145° 17' 55.9426"	PK SET PHOTO POINT
342	296244.96	907596.70	1311.26	N61° 55' 33.0410"	W145° 18' 10.2246"	PK SET PHOTO POINT
343	298363.91	906850.38	1295.40	N61° 55' 53.8409"	W145° 18' 26.1823"	PK SET PHOTO POINT
344	301472.47	906683.38	1251.48	N61° 56' 24.4305"	W145° 18' 30.2130"	PK SET PHOTO POINT
345	303612.83	906344.17	1159.03	N61° 56' 45.4741"	W145° 18' 37.6765"	PK SET PHOTO POINT
346	305692.70	904911.38	1071.44	N61° 57' 05.8310"	W145° 19' 07.9941"	PK SET PHOTO POINT
347	308572.06	902609.40	1129.91	N61° 57' 33.9825"	W145° 19' 56.6427"	PK SET PHOTO POINT
348	311775.16	900879.39	1171.49	N61° 58' 05.3666"	W145° 20' 33.4131"	PK SET PHOTO POINT
349	313576.43	900162.13	1178.22	N61° 58' 23.0367"	W145° 20' 48.7527"	PK SET PHOTO POINT
350	315824.84	899530.99	1191.85	N61° 58' 45.1160"	W145° 21' 02.3794"	PK SET PHOTO POINT
351	320135.24	898397.06	1206.96	N61° 59' 27.4495"	W145° 21' 26.9272"	PK SET PHOTO POINT
352	324747.04	898442.12	1253.88	N62° 00' 12.8553"	W145° 21' 26.8629"	PK SET PHOTO POINT
353	327286.02	898433.33	1259.01	N62° 00' 37.8500"	W145° 21' 27.5312"	PK SET PHOTO POINT
354	329479.29	897145.00	1301.25	N62° 00' 59.3256"	W145° 21' 54.9403"	PK SET PHOTO POINT
355	330305.39	896111.70	1308.44	N62° 01' 07.3639"	W145° 22' 16.7491"	PK SET PHOTO POINT
356	332484.85	892695.43	1344.59	N62° 01' 28.5013"	W145° 23' 28.7641"	PK SET PHOTO POINT
357	333513.83	891769.89	1346.30	N62° 01' 38.5430"	W145° 23' 48.3686"	PK SET PHOTO POINT
358	335300.11	889167.00	1359.66	N62° 01' 55.8762"	W145° 24' 43.2902"	PK SET PHOTO POINT
359	336972.57	886425.63	1353.91	N62° 02' 12.0690"	W145° 25' 41.1081"	PK SET PHOTO POINT
360	339362.58	885306.49	1211.09	N62° 02' 35.4844"	W145° 26' 05.0853"	PK SET PHOTO POINT
361	342131.40	886124.60	1134.65	N62° 03' 02.8247"	W145° 25' 48.5250"	PK SET PHOTO POINT
362	344958.04	886694.27	1174.46	N62° 03' 30.7087"	W145° 25' 37.1808"	PK SET PHOTO POINT
363	348291.17	885755.11	1197.78	N62° 04' 03.4270"	W145° 25' 57.6010"	PK SET PHOTO POINT
364	354169.28	884856.15	1450.66	N62° 05' 01.2024"	W145° 26' 17.7431"	PK SET PHOTO POINT
365	358233.94	881573.73	1498.11	N62° 05' 40.8768"	W145° 27' 27.5698"	PK SET PHOTO POINT
366	360779.42	879946.71	1506.59	N62° 06' 05.7634"	W145° 28' 02.3204"	PK SET PHOTO POINT
367	364808.32	878407.76	1529.72	N62° 06' 45.2603"	W145° 28' 35.5776"	PK SET PHOTO POINT
420	352104.05	885351.40	1393.45	N62° 04' 40.9217"	W145° 26' 06.8978"	PK SET PHOTO POINT
421	352434.69	885301.82	1412.81	N62° 04' 44.1716"	W145° 26' 08.0102"	PK SET PHOTO POINT
422	353001.67	885215.09	1436.57	N62° 04' 49.7444"	W145° 26' 09.9537"	PK SET PHOTO POINT
423	353438.82	885057.33	1446.65	N62° 04' 54.0319"	W145° 26' 13.3606"	PK SET PHOTO POINT
424	353733.00	885009.54	1447.95	N62° 04' 56.9230"	W145° 26' 14.4278"	PK SET PHOTO POINT
425	353962.56	884908.84	1448.47	N62° 04' 59.1726"	W145° 26' 16.5919"	PK SET PHOTO POINT

CONTROL MONUMENTS

POINT NO.	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	DESCRIPTION
426	354270.02	884809.39	1451.95	N62° 05' 02.1893"	W145° 26' 18.7468"	PK SET PHOTO POINT
427	354636.60	884511.82	1456.36	N62° 05' 05.7676"	W145° 26' 25.0746"	PK SET PHOTO POINT
506	277631.28	915522.29	1427.70	N61° 52' 30.4063"	W145° 15' 21.7439"	SPIKE FND
507	300101.21	906654.74	1293.47	N61° 56' 10.9283"	W145° 18' 30.5724"	REBAR CAP FND CP 37A LS5480 2010
508	328653.13	898078.10	1293.67	N62° 00' 51.2767"	W145° 21' 35.2337"	PK
509	337175.43	886209.74	1341.59	N62° 02' 14.0443"	W145° 25' 45.6773"	PK SET
510	363002.61	878396.78	1523.68	N62° 06' 27.4832"	W145° 28' 35.3929"	SPIKE FND
511	319872.40	898446.15	1204.08	N61° 59' 24.8664"	W145° 21' 25.8497"	PK
512	319887.93	898414.38	1205.07	N61° 59' 25.0164"	W145° 21' 26.5176"	PK
513	319332.77	898498.96	1202.86	N61° 59' 19.5586"	W145° 21' 24.6416"	PK
514	311479.18	901036.22	1170.38	N61° 58' 02.4664"	W145° 20' 30.0779"	PK
515	311397.90	901042.30	1169.89	N61° 58' 01.6667"	W145° 20' 29.9357"	PK
516	311094.86	901198.08	1169.02	N61° 57' 58.6969"	W145° 20' 26.6213"	PK
541	282333.25	913820.13	1391.60	N61° 53' 16.5696"	W145° 15' 57.9940"	PK
542	290958.29	909974.44	1373.95	N61° 54' 41.1850"	W145° 17' 19.6704"	PK
543	293374.08	908272.35	1376.81	N61° 55' 04.8322"	W145° 17' 55.6202"	PK SET
544	302883.71	906606.04	1190.94	N61° 56' 38.3176"	W145° 18' 32.0757"	PK
545	308131.49	902949.11	1112.51	N61° 57' 29.6744"	W145° 19' 49.4591"	PK
546	316742.86	899232.90	1195.87	N61° 58' 54.1272"	W145° 21' 08.7902"	PK
547	316744.36	899265.61	1195.66	N61° 58' 54.1449"	W145° 21' 08.1059"	PK
548	317071.81	899171.02	1197.51	N61° 58' 57.3601"	W145° 21' 10.1473"	PK
549	330568.11	895842.37	1310.65	N62° 01' 09.9256"	W145° 22' 22.4434"	PK
550	332104.22	893399.52	1345.28	N62° 01' 24.8206"	W145° 23' 13.9334"	PK SET
551	332022.58	893549.55	1345.56	N62° 01' 24.0310"	W145° 23' 10.7732"	PK SET
552	340104.39	885539.03	1202.41	N62° 02' 42.8107"	W145° 26' 00.3692"	PK SET
553	340677.59	885715.76	1185.24	N62° 02' 48.4714"	W145° 25' 56.7866"	PK SET
554	343076.97	886415.64	1144.02	N62° 03' 12.1626"	W145° 25' 42.6233"	PK SET
555	345093.98	886662.36	1176.81	N62° 03' 32.0437"	W145° 25' 37.8792"	PK SET
556	346530.74	886267.59	1187.53	N62° 03' 46.1482"	W145° 25' 46.4691"	PK SET
557	346947.27	886154.13	1189.84	N62° 03' 50.2373"	W145° 25' 48.9391"	PK SET
558	348671.82	885698.27	1199.05	N62° 04' 07.1685"	W145° 25' 58.8759"	PK SET
559	348832.43	885657.61	1201.11	N62° 04' 08.7455"	W145° 25' 59.7638"	PK SET
560	355625.33	883744.03	1478.54	N62° 05' 15.4223"	W145° 26' 41.4128"	PK
561	355741.58	883649.02	1481.50	N62° 05' 16.5569"	W145° 26' 43.4335"	PK
562	357226.10	882434.52	1497.27	N62° 05' 31.0452"	W145° 27' 09.2662"	PK
563	357132.63	882505.89	1497.57	N62° 05' 30.1325"	W145° 27' 07.7466"	PK
564	363094.27	878598.30	1521.88	N62° 06' 28.4072"	W145° 28' 31.1795"	PK
566	342640.53	886303.32	1139.49	N62° 03' 07.8548"	W145° 25' 44.8857"	PK SET
567	344484.38	886763.77	1160.62	N62° 03' 26.0527"	W145° 25' 35.6216"	PK SET
568	344432.72	886820.12	1159.61	N62° 03' 25.5498"	W145° 25' 34.4285"	PK SET

STATE OF ALASKA 49TH
TROY M. HICKS
May 23, 2023
LS-14471
REGISTERED PROFESSIONAL LAND SURVEYOR

SURVEY CONTROL

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
K:\20_Projects\Rich 65-115\5-CAD Drawings\2-Control\NFHWY00218_Control-A4 Tue, May/23/23 11:03am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	A5	A5

CONTROL MONUMENTS

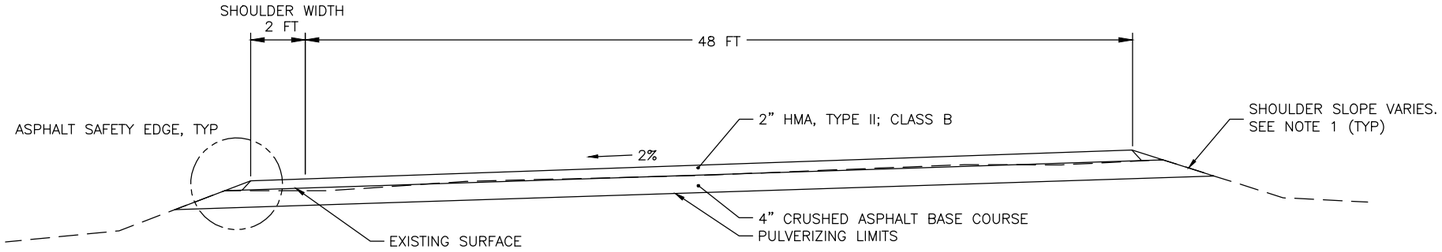
POINT NO.	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	DESCRIPTION
570	353617.09	885056.10	1446.82	N62° 04' 55.7867"	W145° 26' 13.4251"	PK SET
571	330416.82	896447.22	1304.72	N62° 01' 08.4917"	W145° 22' 09.7412"	PK SET WRANGELL VISITORS CNTR
1042	302243.55	906650.76	1214.09	N61° 56' 32.0190"	W145° 18' 31.0294"	MON IN CASE FND
1043	304507.44	905830.92	1117.33	N61° 56' 54.2389"	W145° 18' 48.5618"	MON IN CASE FND
1044	305416.68	905113.53	1076.45	N61° 57' 03.1305"	W145° 19' 03.7191"	MON IN CASE FND
1045	308527.38	902659.13	1126.82	N61° 57' 33.5470"	W145° 19' 55.5947"	MON IN CASE FND
1046	309450.84	902064.33	1158.88	N61° 57' 42.5870"	W145° 20' 08.2018"	MON IN CASE FND
1047	310721.35	901409.28	1169.16	N61° 57' 55.0383"	W145° 20' 22.1350"	MON IN CASE FND
1048	312023.55	900737.70	1172.24	N61° 58' 07.7995"	W145° 20' 36.4229"	MON IN CASE FND
1049	313043.51	900330.36	1176.11	N61° 58' 17.8051"	W145° 20' 45.1338"	MON IN CASE FND
1050	314692.32	899849.02	1181.83	N61° 58' 33.9948"	W145° 20' 55.5124"	MON IN CASE FND
1051	317396.62	899059.59	1197.84	N61° 59' 00.5478"	W145° 21' 12.5405"	MON IN CASE FND
1052	318874.64	898628.01	1200.42	N61° 59' 15.0600"	W145° 21' 21.8533"	MON IN CASE FND
1053	320522.78	898398.46	1214.86	N61° 59' 31.2649"	W145° 21' 26.9718"	ROWCF
1054	321713.50	898407.12	1242.17	N61° 59' 42.9880"	W145° 21' 27.0174"	MON IN CASE FND
1055	325338.01	898434.52	1255.43	N62° 00' 18.6726"	W145° 21' 27.1349"	MON IN CASE FND
1056	327167.08	898448.33	1259.59	N62° 00' 36.6804"	W145° 21' 27.1944"	MON IN CASE FND
1057	329144.28	897528.75	1300.34	N62° 00' 56.0624"	W145° 21' 46.8362"	MON IN CASE FND
1058	329338.28	897295.37	1300.09	N62° 00' 57.9510"	W145° 21' 51.7629"	MON IN CASE FND
3017	363548.47	878324.88	1519.05	N62° 06' 32.8491"	W145° 28' 37.0294"	REBAR CAP FND PC/ROW 4469-S 2015
3266	357310.69	882301.39	1495.31	N62° 05' 31.8641"	W145° 27' 12.0809"	PRIM MON FND no description available
3396	339949.54	885422.34	1206.00	N62° 02' 41.2745"	W145° 26' 02.7826"	PRIM MON FND CP16206 2016
3505	342657.94	886215.09	1132.73	N62° 03' 08.0173"	W145° 25' 46.7399"	PRIM MON FND RICH 110.6 PLS11297 2012
4004	358574.87	881534.18	1492.70	N62° 05' 44.2289"	W145° 27' 28.4766"	PRIM MON FND ASLS 2004-43 ROW/TR A 2234-S 2005
4662	332456.73	892556.46	1343.42	N62° 01' 28.2112"	W145° 23' 31.6706"	USCG MON no description
8095	277600.37	915503.65	1425.31	N61° 52' 30.1005"	W145° 15' 22.1279"	PRIM MON SET CP 95
8100	300418.94	906645.63	1291.50	N61° 56' 14.0556"	W145° 18' 30.8182"	PRIM MON SET CP 100
8106	328504.61	898156.17	1289.36	N62° 00' 49.8217"	W145° 21' 33.5699"	PRIM MON FND CP16203 2016
8110	337178.84	886231.39	1339.96	N62° 02' 14.0801"	W145° 25' 45.2242"	PRIM MON SET CP 110
8115	362970.97	878491.90	1517.78	N62° 06' 27.1820"	W145° 28' 33.3869"	USCG MON N26 1944
9208	363002.63	878396.79	1523.70	N62° 06' 27.4834"	W145° 28' 35.3927"	PK FND
10142	333575.23	891959.71	1342.50	N62° 01' 39.1656"	W145° 23' 44.4029"	REBAR CAP FND ASLS 2006-61 L19/ROW 7834-S 2008
10238	327989.17	898159.50	1274.44	N62° 00' 44.7476"	W145° 21' 33.4014"	PRIM MON FND RM 144.90 -> C1/4 S26 6709-S 19?3
10323	316306.52	899528.90	1188.06	N61° 58' 49.8578"	W145° 21' 02.5139"	REBAR FND
10332	315876.72	899662.79	1186.74	N61° 58' 45.6384"	W145° 20' 59.6313"	REBAR FND
50057	330674.43	895682.82	1312.29	N62° 01' 10.9576"	W145° 22' 25.8070"	MON IN CASE FND

SURVEY CONTROL

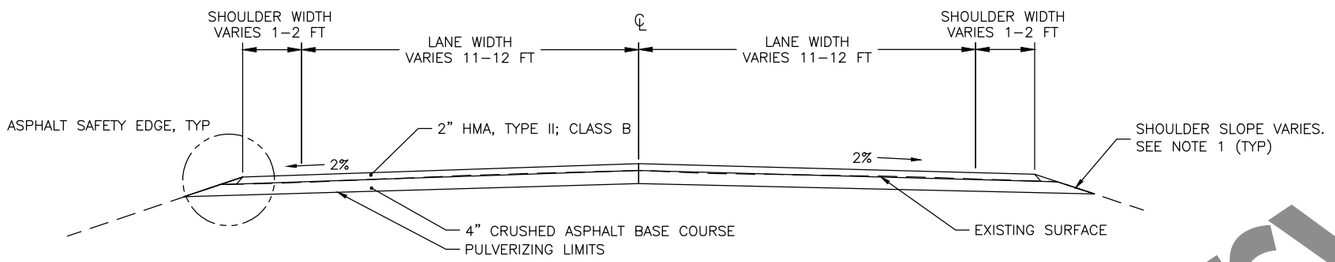
STATE OF ALASKA 49TH
TROY M. HICKS
May 23, 2023
LS-14471
REGISTERED PROFESSIONAL LAND SURVEYOR

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
K:\20_Projects\Rich 65-115\5-CAD Drawings\2-Control\NFHWY00218_Control-A5 Tue, May/23/23 11:03am

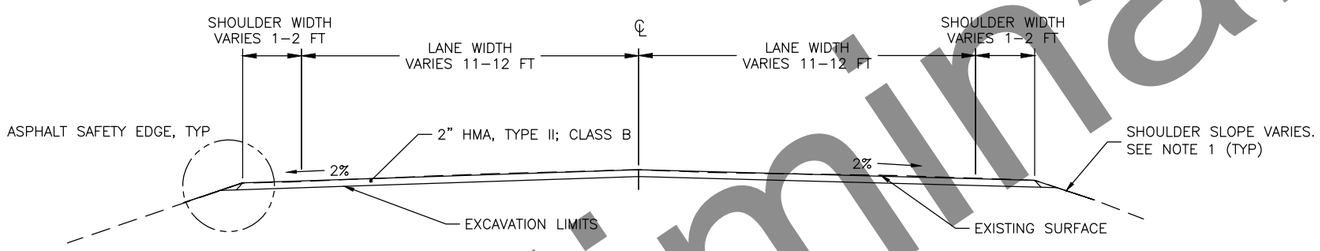
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	B1	B1



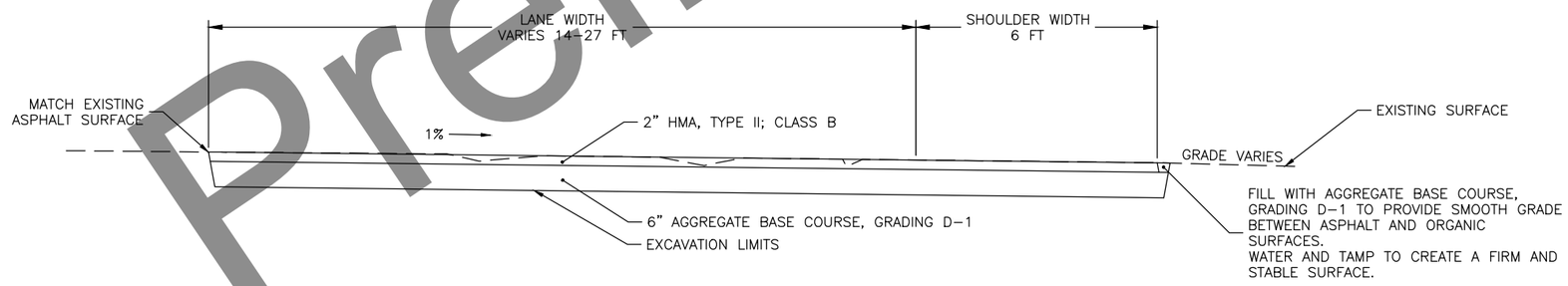
TURNOUT TYPICAL SECTION



ROADWAY TYPICAL SECTION 1 (ASPHALT PULVERIZING)



ROADWAY TYPICAL SECTION 2 (ASPHALT REMOVAL)

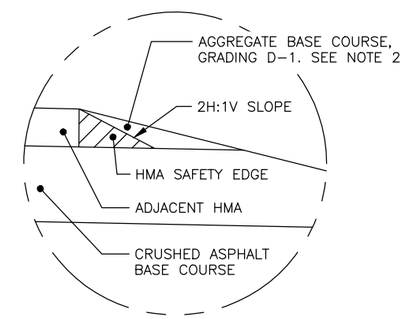


PARKING AREA TYPICAL SECTION

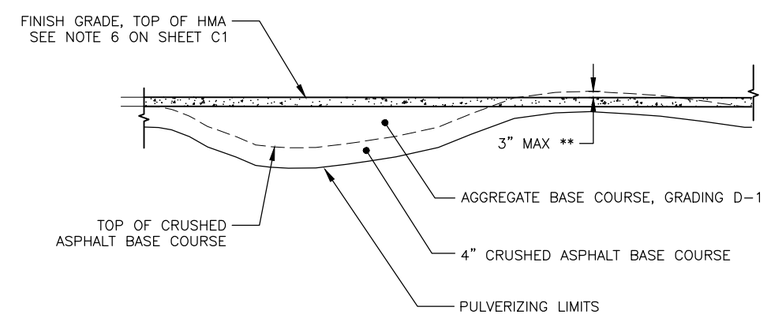
TYPICAL SECTION GENERAL NOTES

1. CRUSHED ASPHALT BASE COURSE MAY BE USED IN ALL INSTANCES WHERE AGGREGATE BASE COURSE, GRADING D–1 IS CALLED FOR. DO NOT PLACE AGGREGATE BASE COURSE, GRADING D–1 UNTIL AFTER CRUSHED ASPHALT BASE COURSE HAS BEEN FULLY UTILIZED.
2. SHOULDERING SLOPE SHALL BE BLENDED TO CATCH WITH EXISTING SLOPE AT HINGE POINT.
3. SEED ALL DISTURBED AREAS OR AS DIRECTED BY THE ENGINEER. SEEDING IS SUBSIDIARY TO OTHER ITEMS OF WORK AND WILL NOT BE MEASURED FOR PAYMENT.
4. ALL WORK REMAIN IN AND BE WITHIN EXISTING DISTURBED AREAS/BOUNDARIES. DO NOT WORK OUTSIDE OF PREVIOUSLY DISTURBED AREAS.
5. ADJUST FINISH GRADES AND FINISH GRADE CROSS SLOPES AS NEEDED TO BLEND, TIE INTO AND MATCH EXISTING IMPROVEMENTS AND TOPOGRAPHY. ALL PAVED SURFACES MUST BE GRADED TO DRAIN.

** RE–GRADE HIGH SPOTS ON PULVERIZED ASPHALT DOWN A MAXIMUM OF (NO MORE THAN) 3"



ASPHALT SAFETY EDGE DETAIL



PULVERIZING DETAIL

TYPICAL SECTIONS

STATE OF ALASKA
49TH
RUSSELL M. JOHNSON
C.E. 9963
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
H:\Projects\Special_Projects\00720 Elias Visitor Center\6 Design\5 Civil 3D\Extras\00720_Typical alternatives-Typical Sections Wed, May/24/23 03:13pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	C1	C1

ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
202.0014.0000	REMOVAL OF PAVEMENT	LUMP SUM	ALL REQUIRED
203.0019.0000	UNCLASSIFIED EXCAVATION	LUMP SUM	ALL REQUIRED
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	500.00
308.0004.0000	CRUSHED ASPHALT BASE COURSE	LUMP SUM	ALL REQUIRED
401.0001.002B	HMA, TYPE II; CLASS B	TON	750.00
401.0004.0000	ASPHALT BINDER, GRADE PG 52E-40	TON	42.00
639.2000.0000	APPROACH	EACH	2.00
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
641.0004.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ADDITIVES	CONTINGENT SUM	ALL REQUIRED
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643.0025.0000	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
670.0001.0000	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED

TABLE OF ESTIMATING FACTORS

ITEM NO.	DESCRIPTION	ESTIMATING FACTOR
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	2 TON/CY
401.0001.002B	HMA, TYPE II; CLASS B	115 LB/SY/INCH
401.0004.5228	ASPHALT BINDER, GRADE PG 52E-40	5.5% OF HMA TOTAL

LUMP SUM PAY ITEMS

ITEM NO.	DESCRIPTION	QUANTITY
202.0014.0000	REMOVAL OF ASPHALT	3,400 SQUARE YARDS
203.0019.0000	UNCLASSIFIED EXCAVATION	700 CUBIC YARDS
308.0004.0000	CRUSHED ASPHALT BASE COURSE	3,100 SQUARE YARDS

PAINTED TRAFFIC MARKINGS SUMMARY

DESCRIPTION	QUANTITY	UNITS	REMARKS
4" WHITE	2600	LF	
8" WHITE	500	LF	
4" YELLOW	2100	LF	
SYMBOLS	3	EA	PEDESTRIAN SYMBOLS (RECREATE EXISTING)

GENERAL NOTES:

1. MATERIAL SITE MS 71-3-015-5 (SOUTH HOGAN HILL QUARRY), LOCATED AT APPROXIMATELY MP 155 ON THE RICHARDSON HIGHWAY, IS AN AVAILABLE MATERIAL SOURCE. SEE PERMIT NUMBER AA-86391 FOR SITE SPECIFIC STIPULATIONS. A MINING PLAN WILL NEED TO BE APPROVED BY BLM PRIOR TO USE OF THIS SITE. ALLOW UP TO THREE MONTHS FOR REVIEW OF MINING PLAN.
2. MATERIAL SITE MS 71-2-005-5 (TAZLINA M&O PIT), LOCATED AT APPROXIMATELY MP 110 ON THE RICHARDSON HIGHWAY IS AN AVAILABLE MATERIAL SOURCE. A MINING PLAN WILL NEED TO BE APPROVED BY DNR AND DOT PRIOR TO USE OF THIS SITE. ALLOW UP TO ONE MONTH FOR REVIEW OF MINING PLAN. SITE ACCESS WILL BE COORDINATED WITH TAZLINA M&O DISTRICT SUPERINTENDENT.
3. MATERIAL SITE MS 71-1-006-5 (BURMA QUARRY), LOCATED AT APPROXIMATELY MP 74.5 ON THE RICHARDSON HIGHWAY IS AN AVAILABLE MATERIAL SOURCE. SUBMIT A SITE DEVELOPMENT AND RECLAMATION PLAN FOR APPROVAL BY THE ENGINEER AT LEAST TWO WEEKS PRIOR TO PERFORMING ANY WORK IN THIS MATERIAL SITE. WORK MAY NOT COMMENCE IN THIS SITE UNTIL THE PLAN HAS BEEN REVIEWED AND APPROVED BY THE ENGINEER.
4. MATERIAL SITE 71-2-020-5 (RINGLING PIT), LOCATED BETWEEN MP 126 & 127 ON THE SOUTH SIDE OF THE RICHARDSON HIGHWAY IS AN EXCLUDED MATERIAL SOURCE. IN NO WAY WILL THIS MATERIAL SITE BE CONSIDERED FOR USE ON THIS PROJECT.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING WASTE DISPOSAL SITES.
6. THIS PROJECT HAS NO DESIGN PROFILE; SEE SUBSECTION 642-3.01. SHAPE AND GRADE CRUSHED ASPHALT BASE COURSE ACCORDING TO SUBSECTION 308-3.03.
7. ALL EXISTING UTILITIES, OVERHEAD AND SUBSURFACE, SHALL REMAIN IN-PLACE AND IN-SERVICE DURING CONSTRUCTION. BURIED UTILITIES SHOWN ON PLANS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES WITHIN THE PROJECT AREA PRIOR TO GROUND DISTURBING ACTIVITIES. UTILITIES IN THE AREA MAY INCLUDE BUT ARE NOT LIMITED TO: GCI, CVEA, CVTC, AND ALYESKA.
8. DO NOT DISTURB TREES, EXISTING SIGNS, OTHER IMPROVEMENTS NOT SPECIFICALLY DESIGNATED WITHIN THIS PLAN SET.

TRAFFIC MARKING NOTES:

1. PRIOR TO DISTURBING EXISTING ASPHALT, SURVEY ALL EXISTING PAINTED TRAFFIC MARKINGS WITHIN DESIGNATED WORK AREAS. AFTER COMPLETION OF ASPHALT PAVING, REESTABLISH ALL PAINTED TRAFFIC MARKINGS WITHIN DESIGNATED WORK AREAS.
2. ANY PAINTED MARKINGS NOT WITHIN DESIGNATED WORK AREAS BUT OBLITERATED OR OTHERWISE ADVERSELY IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE REESTABLISHED WITH FRESH PAINT.
3. IF NEW AND EXISTING LONGITUDINAL MARKINGS ARE NOT ALIGNED AT THE MATCH LINE, TRANSITION BETWEEN THE TWO USING A 100:1 TAPER.

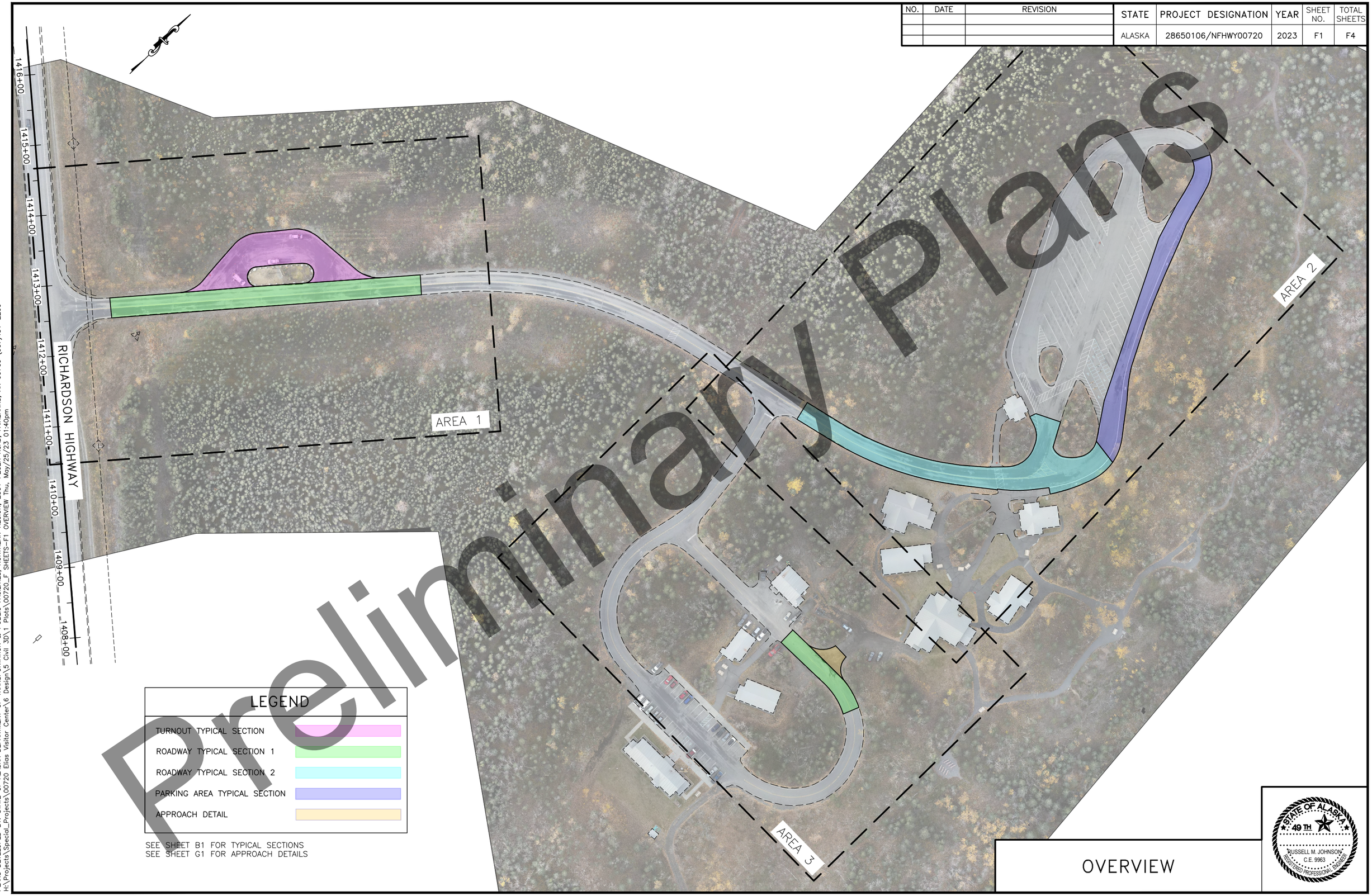
ESTIMATE OF QUANTITIES

STATE OF ALASKA 49TH
RUSSELL M. JOHNSON
C.E. 9963
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
H:\Projects\Special_Projects\00720 Elias Visitor Center\6 Design\5 Civil 3D\4 Plans Sheets\NFHWY00720_C_ESTIMATE-ESTIMATE OF QUANTITIES Thu, May/25/23 11:37am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106/NFHWY00720	2023	F1	F4



PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
H:\Projects\Special_Projects\00720 Elias Visitor Center\6 Design\5 Civil 3D\1 Plots\00720_F SHEETS-F1 OVERVIEW Thu, May/25/23 01:40pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	F2	F4

Point Table

Point Number	Easting	Northing	Description
1	896,358.2460'	330,231.6715'	EP
2	896,336.0480'	330,249.4950'	EP
3	896,360.8991'	330,356.7715'	RP
4	896,399.1748'	330,324.6005'	PC
5	896,408.6716'	330,342.0138'	POC
6	896,410.6589'	330,361.7503'	PT
7	896,454.9416'	330,431.8125'	RP
8	896,405.0723'	330,428.1997'	PC
9	896,407.1650'	330,446.5571'	POC R=50'
10	896,415.7816'	330,462.9011'	PT
11	896,486.3421'	330,471.3654'	RP
12	896,447.1821'	330,502.4540'	PC
13	896,462.6589'	330,515.4007'	POC R=50'
14	896,481.9927'	330,521.1759'	PT
15	896,546.2765'	330,576.9792'	RP

Point Table

Point Number	Easting	Northing	Description
16	896,550.6258'	330,527.1688'	PC
17	896,569.3271'	330,532.6095'	POC R=50'
18	896,584.5307'	330,544.7827'	PT
19	896,619.9676'	330,586.8870'	EP
20	896,641.4320'	330,568.5192'	EP
30	896,460.6022'	330,419.8803'	RP
31	896,468.9090'	330,408.6092'	PC
32	896,450.5500'	330,410.1344'	POC R=14'
33	896,449.5326'	330,428.4531'	PC
34	896,503.2543'	330,470.5251'	RP
35	896,494.0706'	330,481.0920'	PC
36	896,512.4679'	330,481.0659'	POC R=14'
37	896,514.9547'	330,462.8374'	PC

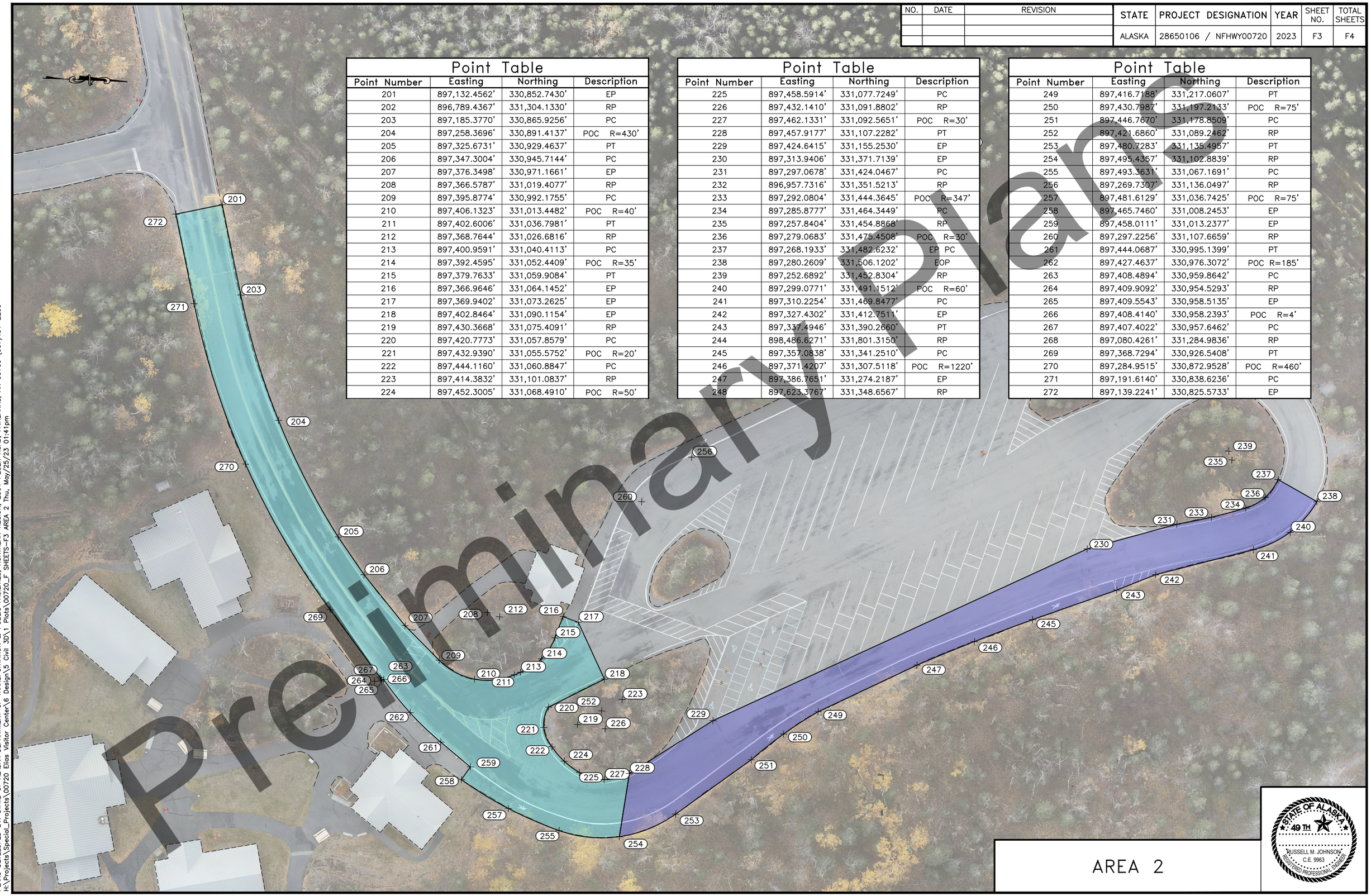
AREA 1

STATE OF ALASKA 49TH
RUSSELL M. JOHNSON
C.E. 9963
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
H:\Projects\Special_Projects\00720 Elias Visitor Center\6 Design\5 Civil 3D\1 Plots\00720_F SHEETS-F2 AREA 1 Thu, May/25/23 01:40pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	F3	F4



Point Table

Point Number	Easting	Northing	Description
201	897,132.4562'	330,852.7430'	EP
202	896,789.4367'	331,304.1330'	RP
203	897,185.3770'	330,865.9256'	PC
204	897,258.3696'	330,891.4137'	POC R=430'
205	897,325.6731'	330,929.4637'	PT
206	897,347.3004'	330,945.7144'	PC
207	897,376.3498'	330,971.1661'	EP
208	897,366.5787'	331,019.4077'	RP
209	897,395.8774'	330,992.1755'	PC
210	897,406.1323'	331,013.4482'	POC R=40'
211	897,402.6006'	331,036.7981'	PT
212	897,368.7644'	331,026.6816'	RP
213	897,400.9591'	331,040.4113'	PC
214	897,392.4595'	331,052.4409'	POC R=35'
215	897,379.7633'	331,059.9084'	PT
216	897,366.9646'	331,064.1452'	EP
217	897,369.9402'	331,073.2625'	EP
218	897,402.8464'	331,090.1154'	EP
219	897,430.3668'	331,075.4091'	RP
220	897,420.7773'	331,057.8579'	PC
221	897,432.9390'	331,055.5752'	POC R=20'
222	897,444.1160'	331,060.8847'	PC
223	897,414.3832'	331,101.0837'	RP
224	897,452.3005'	331,068.4910'	POC R=50'

Point Table

Point Number	Easting	Northing	Description
225	897,458.5914'	331,077.7249'	PC
226	897,432.1410'	331,091.8802'	RP
227	897,462.1331'	331,092.5651'	POC R=30'
228	897,457.9177'	331,107.2282'	PT
229	897,424.6415'	331,155.2530'	EP
230	897,313.9406'	331,371.7139'	EP
231	897,297.0678'	331,424.0467'	PC
232	896,957.7316'	331,351.5213'	RP
233	897,292.0804'	331,444.3645'	POC R=347'
234	897,285.8777'	331,464.3449'	PC
235	897,257.8404'	331,454.8868'	RP
236	897,279.0683'	331,475.4508'	POC R=30'
237	897,268.1933'	331,482.6232'	EP PC
238	897,280.2609'	331,506.1202'	EOP
239	897,252.6892'	331,452.8304'	RP
240	897,299.0771'	331,491.1512'	POC R=60'
241	897,310.2254'	331,469.8477'	PC
242	897,327.4302'	331,412.7511'	EP
243	897,337.4946'	331,390.2660'	PT
244	898,486.6271'	331,801.3150'	RP
245	897,357.0838'	331,341.2510'	PC
246	897,371.4207'	331,307.5118'	POC R=1220'
247	897,386.7651'	331,274.2187'	EP
248	897,623.3767'	331,348.6567'	RP

Point Table

Point Number	Easting	Northing	Description
249	897,416.7188'	331,217.0607'	PT
250	897,430.7987'	331,197.2133'	POC R=75'
251	897,446.7670'	331,178.8509'	PC
252	897,421.6860'	331,089.2462'	RP
253	897,480.7283'	331,135.4957'	PT
254	897,495.4357'	331,102.8839'	RP
255	897,493.3631'	331,067.1691'	PC
256	897,269.7307'	331,136.0497'	RP
257	897,481.6129'	331,036.7425'	POC R=75'
258	897,465.7460'	331,008.2453'	EP
259	897,458.0111'	331,013.2377'	EP
260	897,297.2256'	331,107.6659'	RP
261	897,444.0687'	330,995.1399'	PT
262	897,427.4637'	330,976.3072'	POC R=185'
263	897,408.4894'	330,959.8642'	PC
264	897,409.9092'	330,954.5293'	RP
265	897,409.5543'	330,958.5135'	EP
266	897,408.4140'	330,958.2393'	POC R=4'
267	897,407.4022'	330,957.6462'	PC
268	897,080.4261'	331,284.9836'	RP
269	897,368.7294'	330,926.5408'	PT
270	897,284.9515'	330,872.9528'	POC R=460'
271	897,191.6140'	330,838.6236'	PC
272	897,139.2241'	330,825.5733'	EP

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
H:\Projects\Special_Projects\00720 Elias Visitor Center\6 Design\5 Civil 3D\1 Plots\00720_F SHEETS-F3 AREA 2 Thu, May/25/23 01:41pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	F4	F4

Point Table

Point Number	Easting	Northing	Description
301	897,348.7055'	330,612.8435'	EP
302	897,373.0028'	330,648.5255'	RP
303	897,372.1126'	330,613.5368'	PC
304	897,396.1713'	330,622.2915'	POC R=35'
305	897,407.0901'	330,640.5847'	EP
306	897,407.8332'	330,645.0834'	PC
307	897,428.8470'	330,640.2185'	EP
308	897,453.8526'	330,640.0540'	RP
309	897,428.8556'	330,639.6654'	PT
310	897,434.8879'	330,623.7647'	POC R=25'
311	897,449.6962'	330,615.4019'	PC
312	897,437.5920'	330,489.6644'	RP
313	897,458.5402'	330,613.9108'	PC
314	897,474.9354'	330,610.0033'	POC R=126'
315	897,490.6625'	330,603.9426'	EP
316	897,492.4488'	330,603.1131'	EP
317	897,483.7494'	330,580.6881'	EP
318	897,437.8604'	330,489.5803'	RP
319	897,482.3447'	330,581.3689'	PT
320	897,460.7669'	330,588.9749'	POC R=102'
321	897,438.0366'	330,591.5801'	PC
322	897,349.4462'	330,588.6318'	EP

AREA 3

STATE OF ALASKA
49TH
RUSSELL M. JOHNSON
C.E. 9963
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
H:\Projects\Special_Projects\00720 Elias Visitor Center\6 Design\5 Civil 3D\1 Plots\00720_F SHEETS-F4 AREA 3 Thu, May/25/23 01:42pm

NO.	DATE	REVISION

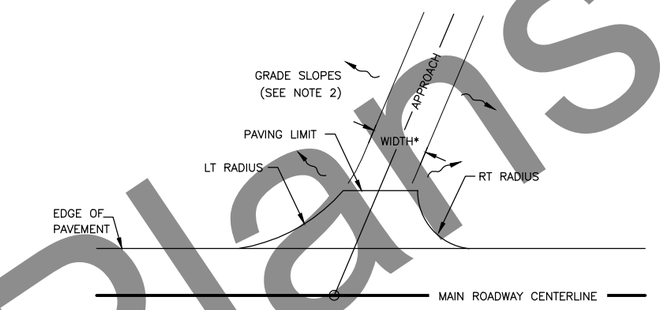
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	G1	G1

APPROACH SUMMARY

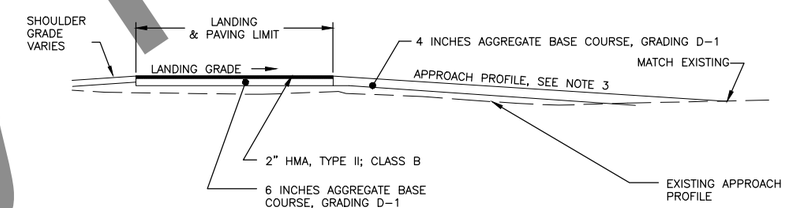
APPROACH NUMBER	LOCATION	RADIUS (FT) LEFT *SEE DETAIL	RADIUS (FT) RIGHT *SEE DETAIL	LANDING WIDTH (FT)	LANDING LENGTH (FT)	LANDING AREA (SF)	REMARKS
A101	SEE SHEET F4	35	25	22	25	920	

TURNOUT SUMMARY

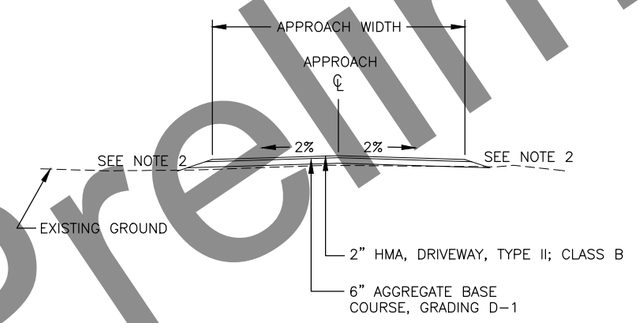
TURNOUT NUMBER	LOCATION	NOMINAL WIDTH (FT)	NOMINAL LENGTH (FT)	ACTUAL AREA (SF)	REMARKS
T101	SEE SHEET F2	36	94	10,462	SEE TURNOUT TYPICAL SECTION, SHEET B1



APPROACH PLAN VIEW



APPROACH PROFILE CROSS-SECTION TYPICAL



APPROACH TYPICAL SECTION

APPROACH DETAILS

APPROACH DETAIL NOTES:

1. CRUSHED ASPHALT BASE COURSE MAY BE USED IN ALL INSTANCES WHERE AGGREGATE BASE COURSE, GRADING D-1 IS CALLED FOR. DO NOT PLACE AGGREGATE BASE COURSE, GRADING D-1 UNTIL AFTER AVAILABLE CRUSHED ASPHALT BASE COURSE HAS BEEN FULLY UTILIZED.
2. REMOVAL OF EXISTING APPROACH EMBANKMENT WILL NOT BE MEASURED FOR PAYMENT. SEE SPECIFICATION SECTION 639.
3. APPROACH FILL SLOPES SHALL BE GRADED TO BLEND WITH THE EXISTING DISTURBED AREA AND TOPOGRAPHY. GRADING OF SLOPES IS SUBSIDIARY TO OTHER ITEMS OF WORK.
4. GRADE APPROACH PROFILE TO CREATE A SMOOTH TRANSITION BETWEEN THE LANDING AND THE EXISTING APPROACH PROFILE OVER NOT LESS THAN TEN FEET HORIZONTALLY. USE AGGREGATE BASE COURSE, GRADING D-1, TO FILL DEPRESSIONS IN THIS AREA.
5. GRADE SURROUNDING AREA TO DRAIN AS NEEDED TO ENSURE POSITIVE DRAINAGE AWAY FROM THE ROADWAY AND APPROACH EMBANKMENTS.
6. DRIVEWAY AND APPROACH TERMS ARE USED INTERCHANGEABLE.

STATE OF ALASKA 49TH RUSSELL M. JOHNSON C.E. 9963 REGISTERED PROFESSIONAL ENGINEER

APPROACH SUMMARY & DETAILS

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106 / NFHWY00720	2023	Q1	Q2

ESCP GENERAL NOTES:

1. THIS ESCP AND THE ESCP OF THE ADJACENT RICHARDSON HWY MP 82–115 RESURFACING (CONST MP 97–115) PROJECT WILL USED TOGETHER AS A GENERAL PLAN FOR THE DEVELOPMENT OF A SINGLE CONTRACTOR'S SWPPP. THE CONTRACTOR IS EXPECTED TO PROVIDE ADDITIONAL DETAILS AND BMPS BASED ON THE CONTRACTORS ACTUAL SCHEDULE AND CONSTRUCTION METHODS, AS REQUIRED TO COMPLY WITH THE CONSTRUCTION GENERAL PERMIT AND SECTION 641 OF THE PROJECT SPECIFICATIONS.

2. CONSTRUCTION ENTRANCE/EXIT MUST BE ESTABLISHED TO MINIMIZE OFF–SITE IMPACTS.

3. INSTALL PERIMETER CONTROL BMP WHEN WORKING WITHIN 25 FEET OF SURFACE WATERS AND ALONG WETLANDS WHERE A 25 FOOT VEGETATIVE BUFFER IS NOT RETAINED.

4. IF EXCAVATION DE–WATERING WILL OCCUR WITHIN 1,500 FT OF AN ADEC IDENTIFIED CONTAMINATED SITE, THE PROJECT MUST COMPLY WITH THE ADEC EXCAVATION DE–WATERING GENERAL PERMIT.

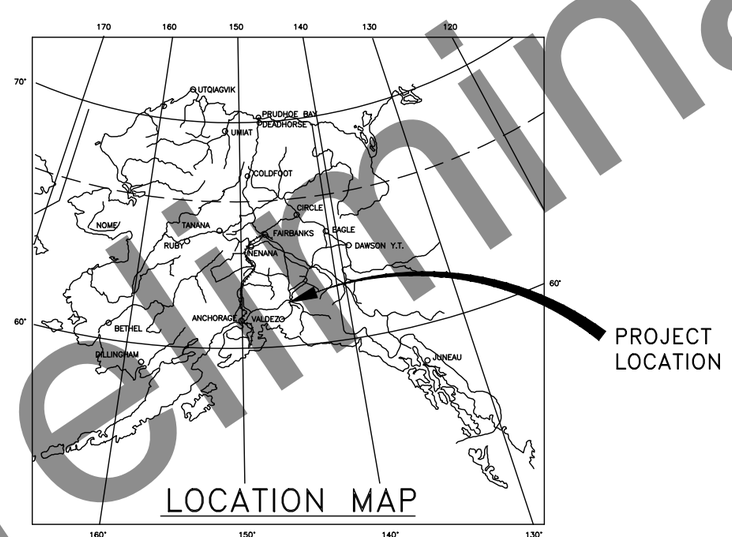
5. ALL IN–WATER WORK MUST BE ISOLATED FROM WATERS OF THE U.S. USING APPROPRIATE BMPS. ISOLATION METHODS MAY INCLUDE:
   - 5.1. SILT CURTAINS
   - 5.2. COFFERDAMS
   - 5.3. DIVERSIONS
   - 5.4. OTHER METHODS APPROVED BY THE ENGINEER

6. INLET / OUTLET PROTECTION REQUIRED FOR ALL CULVERTS, CROSSING CULVERT PROTECTION IS SHOWN ON THE ESCP SHEETS, DRIVEWAY CULVERTS ARE NOT SHOWN FOR VISUAL CLARIFICATION.

7. AREAS OF DISTURBANCE, TEMPORARY AND PERMANENT STABILIZATION, WILL BE MARKED AS WORK PROCEEDS AND ADDED TO THE LEGEND.

8. REFER TO APPENDIX A OF THE SPECIFICATIONS FOR ENVIRONMENTAL PERMIT INFORMATION.

9. REFER TO APPENDIX C OF THE SPECIFICATIONS FOR THE ESCP TEMPLATE.



LOCATION MAP

LEGEND:

- WETLANDS
- APPROACH
- CULVERT
- RIPRAP
- REVEGETATIVE EFFORT
- PERIMETER CONTROL
- INLET PROTECTION
- OUTLET PROTECTION
- EXISTING SURFACE FLOW DIRECTION
- CHECK DAMS OR OTHER VELOCITY CONTROL BMPS
- CONSTRUCTION ENTRANCE AND EXIT

STATE OF ALASKA 49TH
RUSSELL M. JOHNSON
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ESCP NOTES

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	28650106/NFHWY00720	2023	Q2	Q2

ESCP OVERVIEW

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