

State of Alaska

Department of Transportation
and Public Facilities

Southcoast Region

JUNEAU, ALASKA GLACIER HIGHWAY RECONSTRUCTION

FRITZ COVE ROAD TO SEAVIEW AVENUE
PROJECT NO. 0933039/Z684710000

OFFICE PLANS (fill out after each estimate!)

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

Cody Sals

February 13, 2017



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AS - BUILT PLANS

AS-BUILT PLANS

CONTRACTOR: SECON Inc.
PROJECT ENGINEER: TINA BERGAM
BEGIN DATE: APRIL 11, 2017
END DATE: SEPT 17, 2018

OTHER INFO:
NTP: 2/17/17
Precon: 7/4/17
Final Inspection: 9/10/18

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
CERTIFICATE OF AUTHORIZATION #126386

PATH: U:\204700154\DWG\GIS\SHETS\1269400_A1.DWG

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION



APPROVED: *[Signature]* 11/23/16
REGIONAL PRE-CONSTRUCTION ENGINEER DATE
L. PAT CARROLL, P.E.

APPROVED: *[Signature]* 11/23/14
DIRECTOR, SOUTHCOST REGION DATE
MICHAEL J. COPPEY

DESIGN DESIGNATION
GLACIER HIGHWAY

V	=	40 MPH SOUTH OF ROUNDABOUT, 35 MPH NORTH OF ROUNDABOUT
A.D.T. 2013	=	9,670
A.D.T. 2017	=	9,880 CONSTRUCTION YEAR
A.D.T. 2026	=	10,320
A.D.T. 2036	=	10,850
D.H.V. 2034	=	1,300
TRUCKS %	=	11.5%
E.A.L.	=	4,100,000

PROJECT SUMMARY
GLACIER HIGHWAY

CDS ROUTE NO	=	296401
CDS MILEPOINT	=	3.754 TO 4.912
LENGTH OF GRADING	=	1.02 MILES
LENGTH OF PAVING	=	1.02 MILES
WIDTH OF PAVING	=	37 FT
LENGTH OF PROJECT	=	1.16 MILES

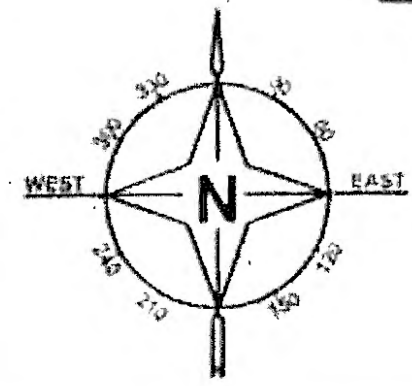
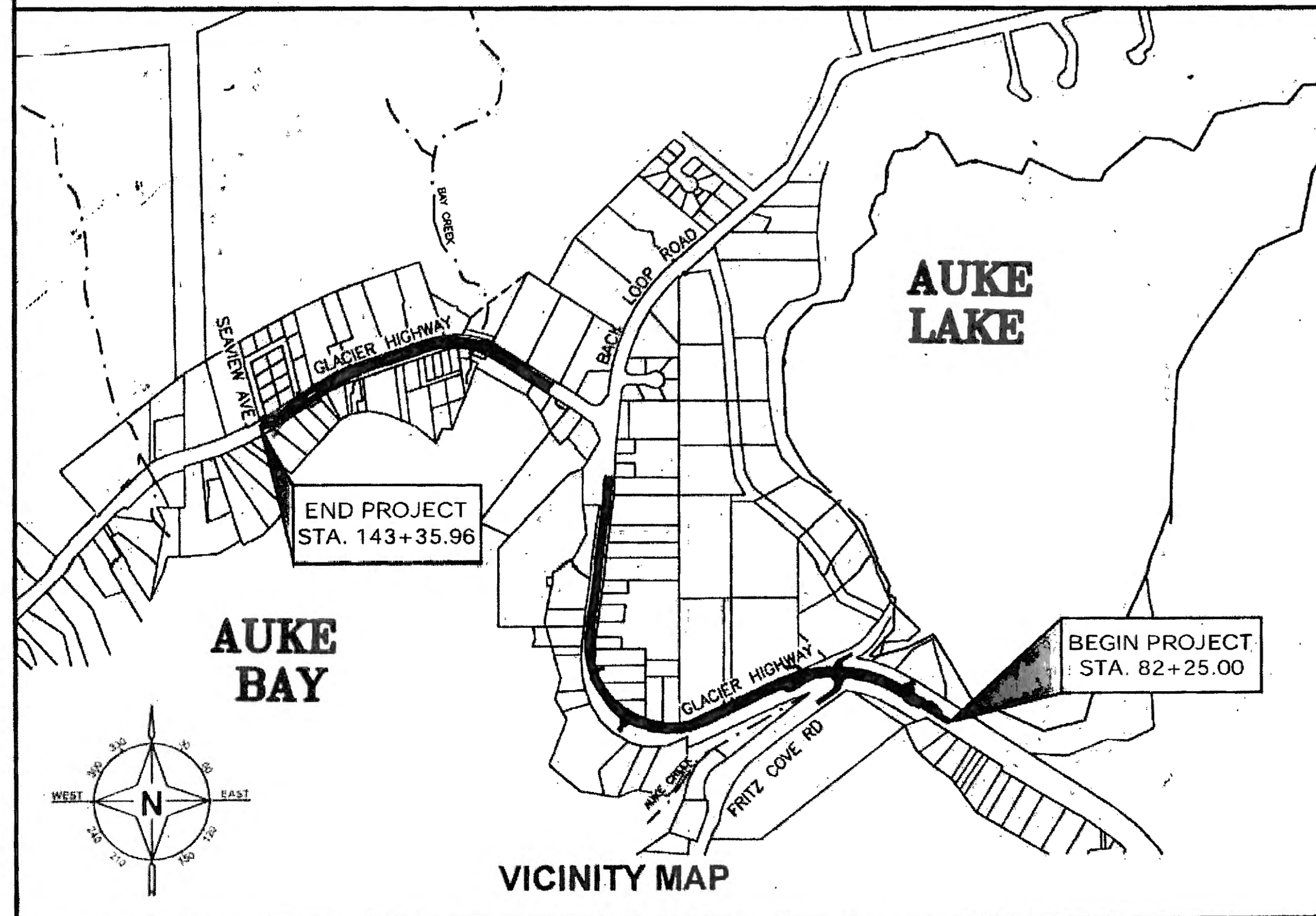
DESIGN CRITERIA
RECONSTRUCTION

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

D-01.02	B-04.00	B-05.00	C-03.10	C-04.12	C-05.20
D-25.00	D-04.21	D-20.03	D-22.01	D-23.01	D-24.00
G-04.10S	D-26.02	D-35.00	F-01.02	G-00.02	
I-22.10	G-09.04S	G-10.01	G-46.11	I-20.20	I-21.10
M-01.00	L-03.10	L-23.01	L-24.00	L-26.00	L-30.10
S-20.10	M-20.13	M-23.12	S-00.11	S-01.00	S-05.01
T-22.03	S-23.00	S-30.03	S-31.01	T-20.03	T-21.03

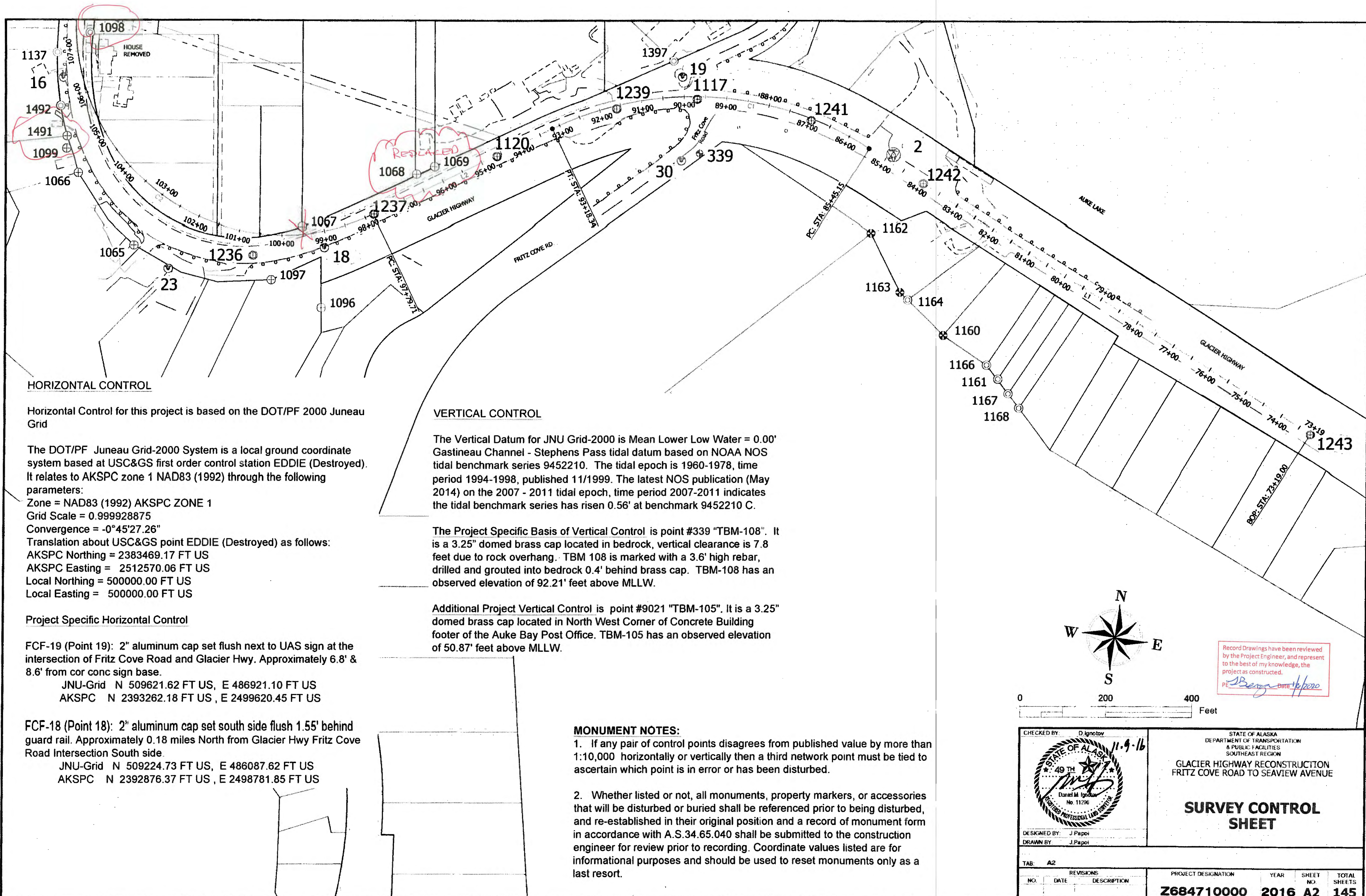
THE FOLLOWING CBJ STANDARD DRAWINGS APPLY TO THIS PROJECT:

104A	203	205	209	210	213
215	218	310	403	404	405
406A	407	412	414A	414B	



VICINITY MAP

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0933039/Z684710000	2016	A1	145



HORIZONTAL CONTROL

Horizontal Control for this project is based on the DOT/PF 2000 Juneau Grid

The DOT/PF Juneau Grid-2000 System is a local ground coordinate system based at USC&GS first order control station EDDIE (Destroyed). It relates to AKSPC zone 1 NAD83 (1992) through the following parameters:

- Zone = NAD83 (1992) AKSPC ZONE 1
- Grid Scale = 0.999928875
- Convergence = -0°45'27.26"
- Translation about USC&GS point EDDIE (Destroyed) as follows:
- AKSPC Northing = 2383469.17 FT US
- AKSPC Easting = 2512570.06 FT US
- Local Northing = 500000.00 FT US
- Local Easting = 500000.00 FT US

Project Specific Horizontal Control

FCF-19 (Point 19): 2" aluminum cap set flush next to UAS sign at the intersection of Fritz Cove Road and Glacier Hwy. Approximately 6.8' & 8.6' from cor conc sign base.

- JNU-Grid N 509621.62 FT US, E 486921.10 FT US
- AKSPC N 2393262.18 FT US, E 2499620.45 FT US

FCF-18 (Point 18): 2" aluminum cap set south side flush 1.55' behind guard rail. Approximately 0.18 miles North from Glacier Hwy Fritz Cove Road Intersection South side.

- JNU-Grid N 509224.73 FT US, E 486087.62 FT US
- AKSPC N 2392876.37 FT US, E 2498781.85 FT US

VERTICAL CONTROL

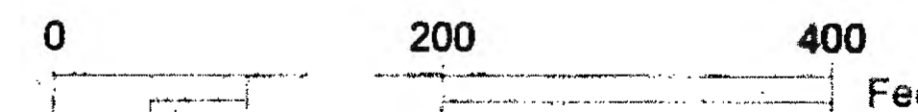
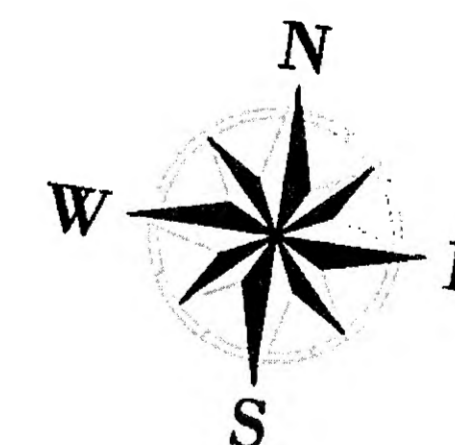
The Vertical Datum for JNU Grid-2000 is Mean Lower Low Water = 0.00' Gastineau Channel - Stephens Pass tidal datum based on NOAA NOS tidal benchmark series 9452210. The tidal epoch is 1960-1978, time period 1994-1998, published 11/1999. The latest NOS publication (May 2014) on the 2007 - 2011 tidal epoch, time period 2007-2011 indicates the tidal benchmark series has risen 0.56' at benchmark 9452210 C.

The Project Specific Basis of Vertical Control is point #339 "TBM-108". It is a 3.25" domed brass cap located in bedrock, vertical clearance is 7.8 feet due to rock overhang. TBM 108 is marked with a 3.6' high rebar, drilled and grouted into bedrock 0.4' behind brass cap. TBM-108 has an observed elevation of 92.21' feet above MLLW.

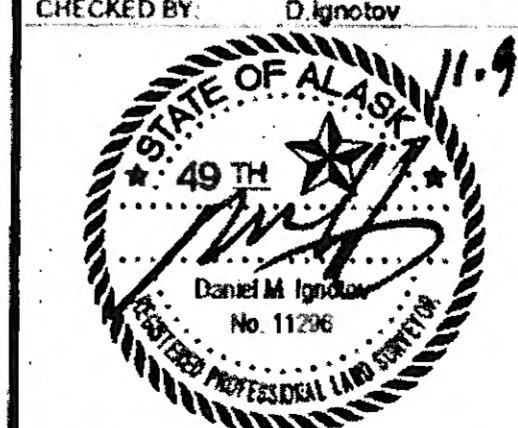
Additional Project Vertical Control is point #9021 "TBM-105". It is a 3.25" domed brass cap located in North West Corner of Concrete Building footer of the Auke Bay Post Office. TBM-105 has an observed elevation of 50.87' feet above MLLW.

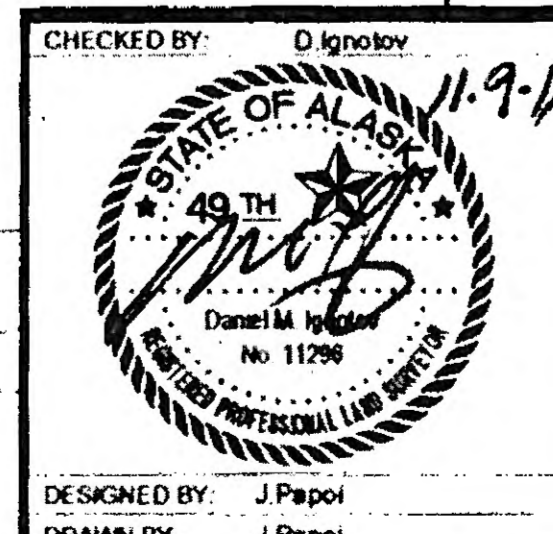
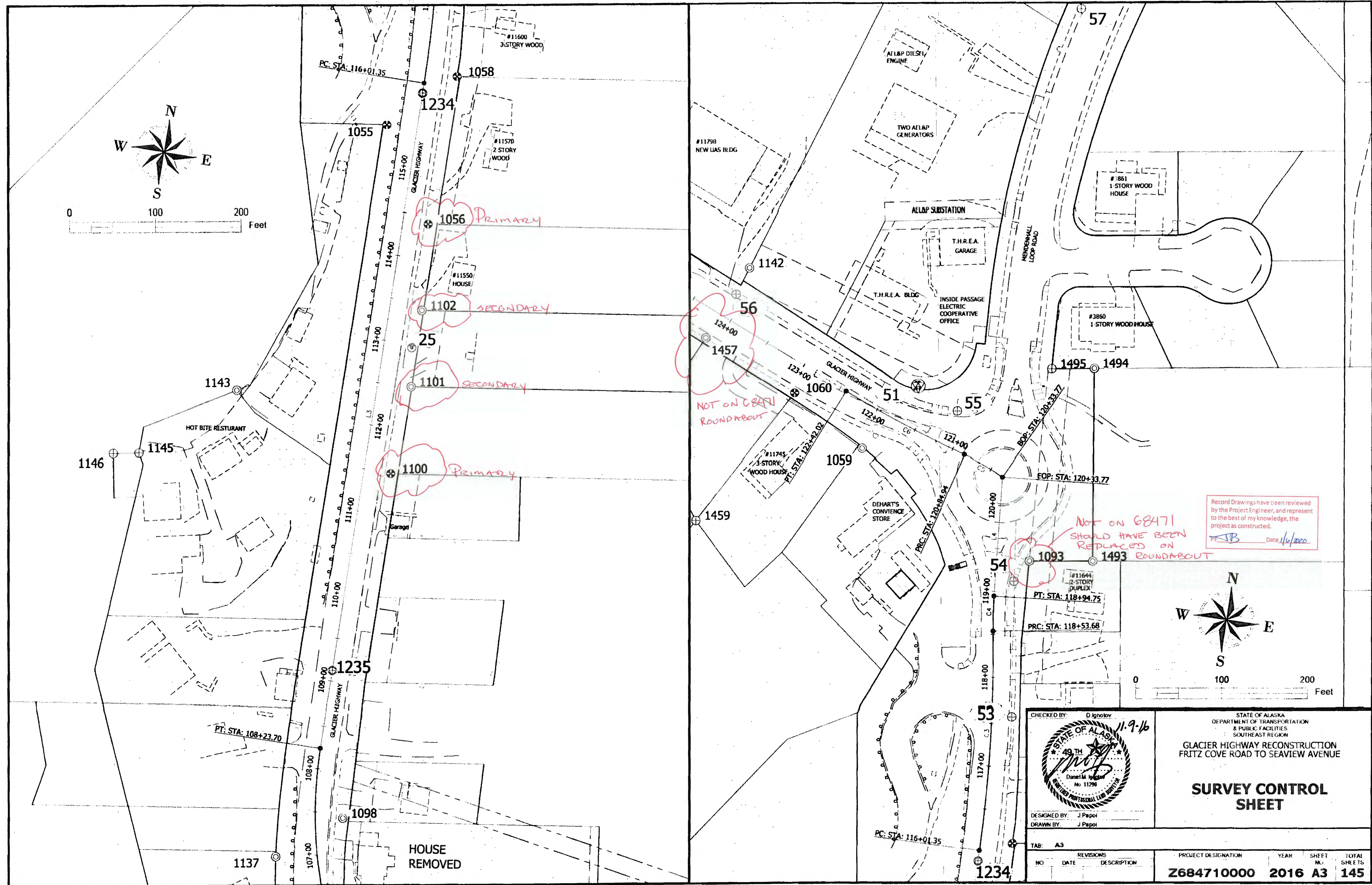
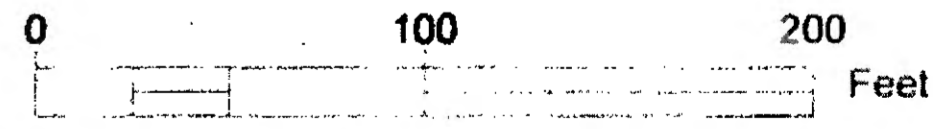
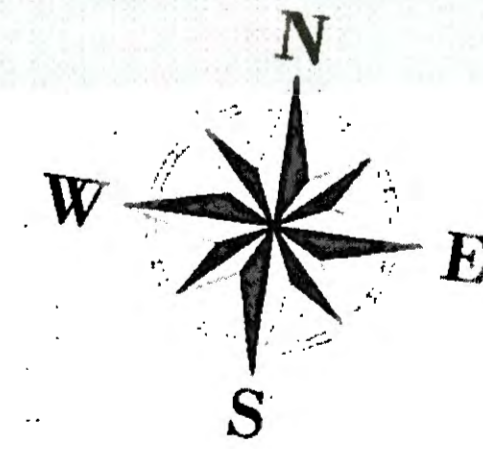
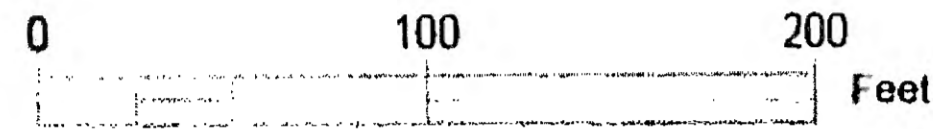
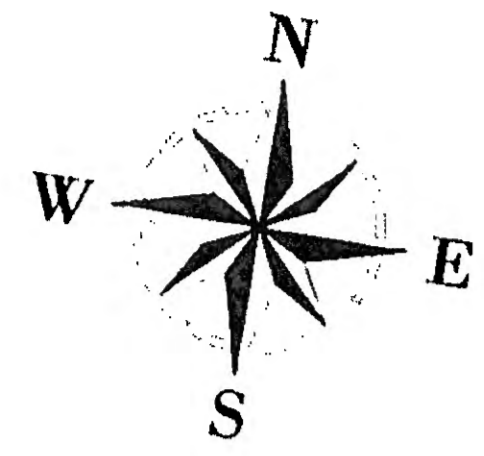
MONUMENT NOTES:

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 monuments, property markers, or accessories that will be disturbed or buried shall be referenced prior to being disturbed, and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 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.



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE: *J. Papoi* Date: 11/9/2016

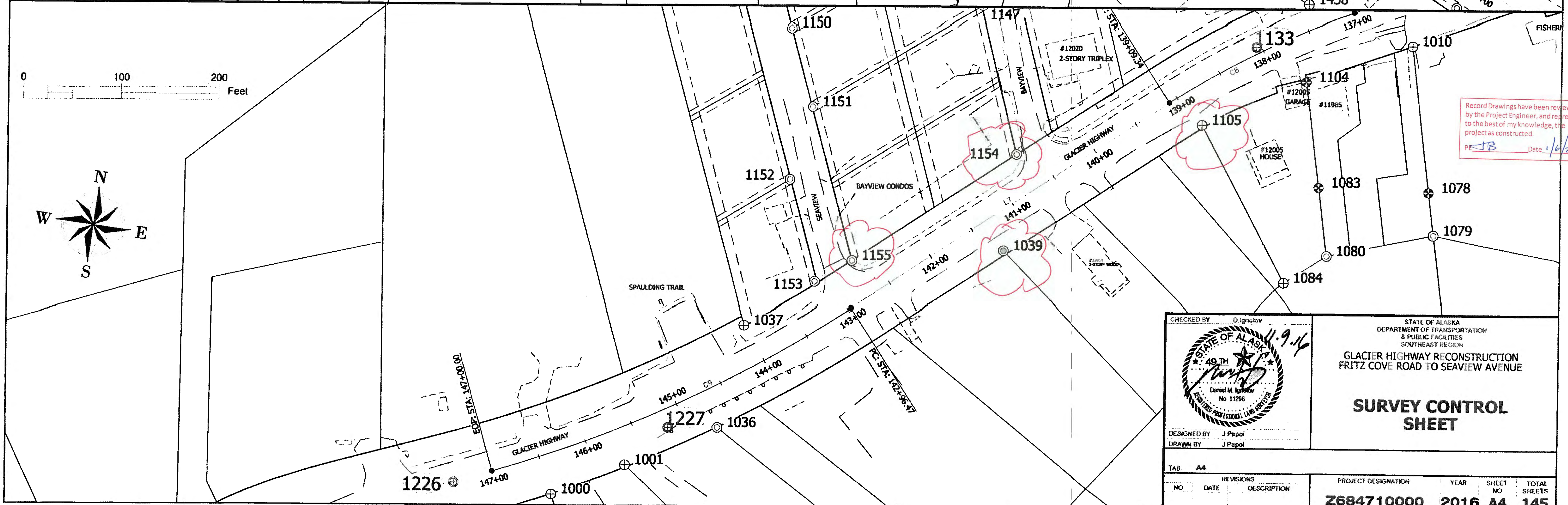
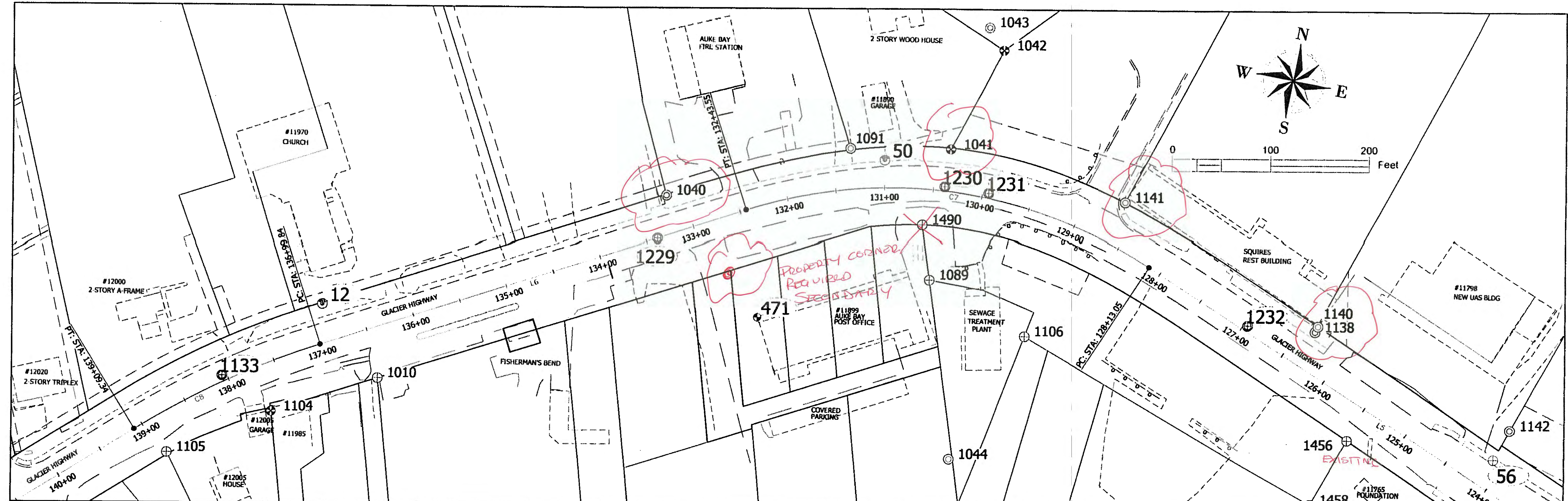
CHECKED BY: D. Ignatov  DESIGNED BY: J. Papoi DRAWN BY: J. Papoi	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE <h2 style="text-align: center;">SURVEY CONTROL SHEET</h2>														
TAB: A2 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISIONS DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	REVISIONS DESCRIPTION				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">PROJECT DESIGNATION</th> <th style="width: 10%;">YEAR</th> <th style="width: 10%;">SHEET NO.</th> <th style="width: 20%;">TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>Z684710000</td> <td>2016</td> <td>A2</td> <td>145</td> </tr> </tbody> </table>	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	Z684710000	2016	A2	145
NO.	DATE	REVISIONS DESCRIPTION													
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Z684710000	2016	A2	145												

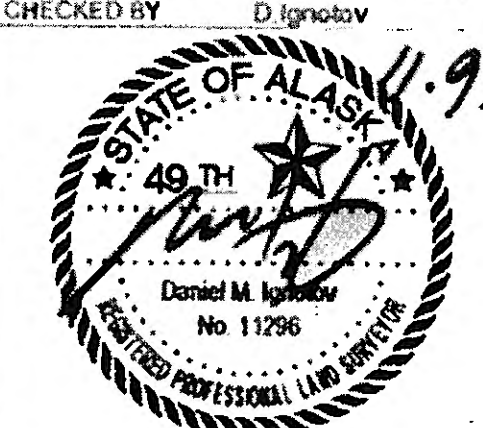


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

SURVEY CONTROL SHEET

TAB: A3	REVISIONS	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
	NO. DATE DESCRIPTION	Z684710000	2016	A3	145



CHECKED BY: D Ignatov 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DESIGNED BY: J Pajot DRAWN BY: J Pajot		SURVEY CONTROL SHEET	
TAB: A4	REVISIONS:	PROJECT DESIGNATION:	YEAR:
NO.	DATE	DESCRIPTION	SHEET NO.
			TOTAL SHEETS:
		Z684710000	2016 A4 145

GLACIER HIGHWAY SOUTH ALIGNMENT TABLES

FRITZ TO SEAVIEW DESIGN ALIGNMENT GH-SOUTH

SEGMENT	START STA	NORTHING	EASTING	END STA	RADIUS	LENGTH	DELTA
L1	73+19.00	508793.97	488388.81	85+45.15			
C1	85+45.15	509455.52	487356.44	93+18.34	760.00	773.19	58°17'25"
L2	93+18.34	509500.81	486617.56	97+79.71			
C2	97+79.71	509301.18	486201.81	108+23.70	485.00	1043.99	123°19'55"
L3	108+23.70	509803.37	485511.12	116+01.35			
C3	116+01.35	510574.01	485815.24	118+53.88	1700.00	252.33	8°30'16"
C4	118+53.88	510825.86	485630.37	118+94.75	500.00	41.07	4°42'22"
L4	118+94.75	510866.70	485631.48	120+33.77			

COORDINATES HOLD OVER DISTANCES AND BEARINGS

Centerline Monuments To Be Removed

Point #	Northing	Easting	Description	Station	Offset
1117	509589.45	486955.08	CL_MON_DOH	89+69.50	6.14L
1120	509436.07	486489.37	CL_MON_DOH	94+61.92	2.91L
1234	510562.18	485613.61	CL_MON_BC2.5" DOH RTK	115+89.40	0.03L
1235	509891.10	485522.94	CL_MON_BC2.5" DOH RTK	109+12.23	0.03L
1236	509208.63	485920.93	CL_MON_BC2.5" DOH RTK	100+60.95	51.50L
1237	509301.25	486203.36	CL_MON_BC2.5" DOH RTK	97+78.10	0.70L
1239	509546.91	486767.42	CL_MON_BC2.5" DOH RTK	91+60.68	7.15L
1241	509518.38	487220.69	CL_MON_BC2.5" DOH RTK	86+95.81	4.69L
1242	509374.52	487482.85	CL_MON_BC2.5" DOH RTK	83+95.02	0.00R
1243	508793.97	488388.81	CL_MON_BC2.5" DOH RTK	73+19.00	0.00R

Survey Control Table

Point #	Northing	Easting	Elevation	Description	Station	Offset
2	509441.28	487413.07	85.86	GPS_ALCTRL2" _FCF-2_Reset	84+89.79	18.56R
16	509618.99	485476.23	69.63	ALCTRL2" _FCF-16_RESHOT_060214	106+48.15	44.18L
18	509224.73	486087.62	73.37	ALCTRL2" _FCF-18	99+07.25	37.57L
19	509621.62	486921.10	96.51	ALCTRL2" _FCF-19	90+02.10	46.38R
23	509175.16	485722.12	68.41	ALCTRL2" _FCF-23	102+13.27	139.49R
25	510267.53	485606.89	68.71	ALCTRL2" _RESET_OF_15&24	112+96.5	32.76R
30	509426.60	486918.46	88.36	ALCTRL2.5" _30	90+12.99	148.4
53	510729.18	485652.32	53.56	ALCAP3.5" SHMON	117+58.16	23.30R
54	510883.72	485654.62	54.97	ALCAP3.5" SHMON	119+13.30	21.93R
339	509443.35	486960.66	92.21	IBM-108	89+61.00	132.12

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.

Existing Property

Point #	Northing	Easting	Description	Station	Offset
1055	510524.76	485572.43	B.L.M_BC3" _C3-L1-S3819/C7-C5-L2-S3819/C5-S1504	115+46.81	35.83L
1056	510411.83	485623.30	GLO_BC2.5" _C1-LH/C4-LH1-S2391	114+41.70	29.71R
1058	510582.45	485653.57	GLO_BC2.5" _C1-LH1/C1-L1-S2391_1938	116+14.56	35.91R
1065	509229.91	485642.51	BC2.5" _1976_SE_COR	107+88.61	131.90L
1066	509396.35	485511.53	BC3" _USFWS_C8-L2/BPR_ROW/C7-BCF/S3819_C-6	104+08.38	104.60L
1067	509273.09	486036.30	BC3" _S2291/LF/C1-TK1/ROW/1973	99+50.40	17.53R
1068	509394.99	486302.29	BC3" _C1-TR2_S2291/ROW/WKVH-1972	106+48.35	41.00R
1069	509413.04	486344.37	BC3" _C4-S2291/C4-LM-S2391/WKVH-1972/RESET1977-141	96+12.60	39.07R
1093	510907.18	485672.67	PLASCAP	119+37.94	38.38R
1096	509084.21	486080.42	BC2.5" _WCMC_S1500/S3819/1971_WKVH	99+31.40	175.21L
1097	509148.96	485963.33	BC2.5" _C4-S1500/1971_WKVH	100+19.94	105.15L

Existing Property

Point #	Northing	Easting	Description	Station	Offset
1094	509722.99	485539.07	PLASCAP_BEAN	107+42.03	32.06R
1095	509453.24	485484.18	BC3" _BPR_PH135+72.8/2-D/1932	105+10.29	9.21L
1100	510121.71	485555.80	GLO_BC2.5" _C4-LH/C6-LC_S2391_1938	111+49.19	31.44R
1101	510221.88	485607.15	PLASCAP_BEAN	112+51.31	39.16R
1102	510311.39	485618.10	PLASCAP_BEAN	113+41.48	37.89R
1137	509876.87	485462.34	ALCAP2.5" _S1504/ROW	107+02.42	47.96L
1143	510213.42	485404.21	REBAR	112+15.75	160.85L
1145	510138.52	485292.23	BC3" _TONER	111+26.53	261.79L
1146	510137.38	485262.22	BC3" _CS_ATS70?	111+21.38	281.38L
1160	509022.73	48531.95	GLO_BC2.5" _C3-L3/C3-L2/C27-L1-S3817	81+63.86	266.70L
1161	508921.20	487600.54	PLASCAP_BEAN	80+01.66	256.35L

Existing Property

Point #	Northing	Easting	Description	Station	Offset
1162	509260.00	487361.06	G.O. BC2.5" _C5-L2/C5_S2741/C3-L4/C1-L1-S3	84+35.43	161.91L
1163	509122.19	487429.43	G.O. BC2.5" _C4_S2741/C2-L4/C3-L3/C28-L1-S	83+03.85	241.27L
1164	509104.53	487447.62	PLASCAP_ALS	82+79.06	246.2
1166	508553.61	487633.19	PLASCAP_BEAN	80+41.44	273.11L
1167	508896.78	487683.71	PLASCAP_BEAN	79+62.75	302.29L
1168	508551.22	487708.07	PLASCAP_BEAN	79+23.37	316.92L
1397	509559.90	486900.57	ALSEC1 5" _NO STAMPING	90+19.52	84.51R
1491	509402.03	485485.19	ALCAP3.25" _USS1504_Hogmeier_TRA_L55713	105+31.31	82.76L
1492	508552.49	485470.09	ALCAP2.5" _USS1504_ROW_L55713	105+92.50	68.81L
1493	510906.88	485466.25	PLASCAP_Davis_LS10611	119+42.63	111.78R

All PROPERTY MONUMENTS in these existing property tables shall be preserved in place and/or referenced prior to disturbance and replaced at their original horizontal position. A record monument form shall be prepared and submitted to DOT for review before recording.

Existing Property

Point #	Northing	Easting	Description	Station	Offset
1000	510805.74	483310.17	BC2.5" _ROW/TRB/L3_TRC/S1939/1965_WVH	146+49.72	39.73L
1001	510835.75	483384.92	BC2.5" _ROW/TRC/L1/L2/S1939/1965_WVH	145+71.44	36.86L
1010	511267.42	484186.42	ALCAP3" _C42_S2391/S2614_1986-1988	136+54.31	50.26L
1036	510874.06	483478.90	IP_1"	144+72.74	39.36L
1037	510978.78	483505.53	BC3" _BLANK	144+01.12	41.64R
1039	511055.00	483770.90	PLASCAP_BEAN	141+33.95	35.79L
1040	511462.20	484475.91	PLASCAP_BEAN	133+16.93	38.74R
1041	511517.19	484765.32	GLO_BC2.5" _C1-LB/C38-S2391/C16-L2-S3819_1938	130+37.01	42.84R
1042	511620.08	484816.78	GLO_BC2.5" _C2-LB/C3-L5/C33-S3820/C6-S2391_1938	130+05.11	151.38R
1043	511643.26	484801.34	BT_34" _HEMLOCK	130+19.04	172.13R
1044	511201.50	484772.90	BT_36" _SPRUCE	129+55.28	267.96L
1059	511037.73	485476.37	PLASCAP_TNA	121+93.24	47.76L
1060	511102.19	485397.82	GLO_BC2.5" _C3-L4/C2-L3_S2664_1946	122+92.02	33.16L
1078	511117.63	484204.88	GLO_BC2.5" _WCMC2931/C4-S2614/C3-LDD_1938	136+86.03	197.82L
1079	511074.12	484210.34	PLASCAP_BEAN	136+95.15	240.71L
1080	511052.17	484101.39	PLASCAP_BEAN	138+41.64	216.95L
1083	511121.89	484092.45	GLO_BC2.5" _C4-L5/C3-S2906/C1-S2614_WCMC_1947	138+10.60	151.00L
1084	511024.51	484057.93	BC2.5" _C3-L5-ATS47_1968_WKVH	139+10.35	218.32L
1089	511384.32	484747.48	ALCAP3.25" _LD-D_S2391/TR-A_S3816/1973	130+43.95	91.06L
1091	511515.38	484662.56	PLASCAP_BEAN	131+31.70	41.86R
1104	511230.09	484078.60	GLO_BC2.5" _C3-L5/C2-S2909/C2-S2614_1947	137+72.50	47.23L
1105	511185.13	483973.05	ALCAP3.25" _C2-L5-S2909/ROW/ROW_1992	138+92.82	37.28L
1106	511329.48	484646.40	ALCAP3" _MC-S3819/1973	129+04.15	123.17L
1138	511342.99	485143.38	REBAR@SPINHOLE	126+35.03	38.01R
1140	511348.72	485146.25	PLASCAP_JOHNSON	126+35.61	44.38R
1141	511468.77	484943.69	PLASCAP_BEAN	128+64.73	44.14R
1142	511248.45	485345.58	REBAR@SPINHOLE_POOR-CONDITION	124+13.33	63.82R
1147	511304.52	483746.62	PLASCAP_BEAN	140+17.38	186.37R
1150	511281.05	483551.18	REBAR_5/8"	141+94.22	273.63R
1151	511201.14	483573.61	PLASCAP_BEAN	142+19.16	194.47R

Existing Property

Point #	Northing	Easting	Description	Station	Offset
1152	511126.38	483550.88	PLASCAP_BEAN	142+79.08	144.32R
1153	511022.57	483577.34	PLASCAP_BEAN	143+14.28	42.83R
1154	511153.50	483783.17	ALSEC2" _ROW_SET	140+69.79	39.95R
1155	511043.90	483615.45	ALSEC2" _ROW_SET	142+70.15	39.95R
1456	511232.79	485179.24	ALPRIM3.25" _ASLS2009-02_C2_7570S	125+46.62	36.91L
1457	511167.29	485294.59	PLASCAP1.25" _3650S	124+14.06	32.02L
1458	511165.97	485143.90	ALPRIM3.25" _ASLS2009-02_C1_7570S	125+41.57	112.33L
1459	510955.96	485283.22	ALPRIM3.25" _C4/L3C1/C3-C7-ATS16_3316S	123+12.69	217.80L
1490	511439.42	484738.60	ALCAP3.25" _C4ASLS2009-02_LS7570	130+58.12	36.62L
1494	511130.34	485747.13	PLASCAP_Davis_LS10611	N/A	N/A
1495	511130.22	485697.54	ALCAP3"	120+50.39	135.55R

All PROPERTY MONUMENTS in these existing property tables shall be preserved in place and/or referenced prior to disturbance and replaced at their original horizontal position. A record monument form shall be prepared and submitted to DOT for review before recording.

Survey Control Table

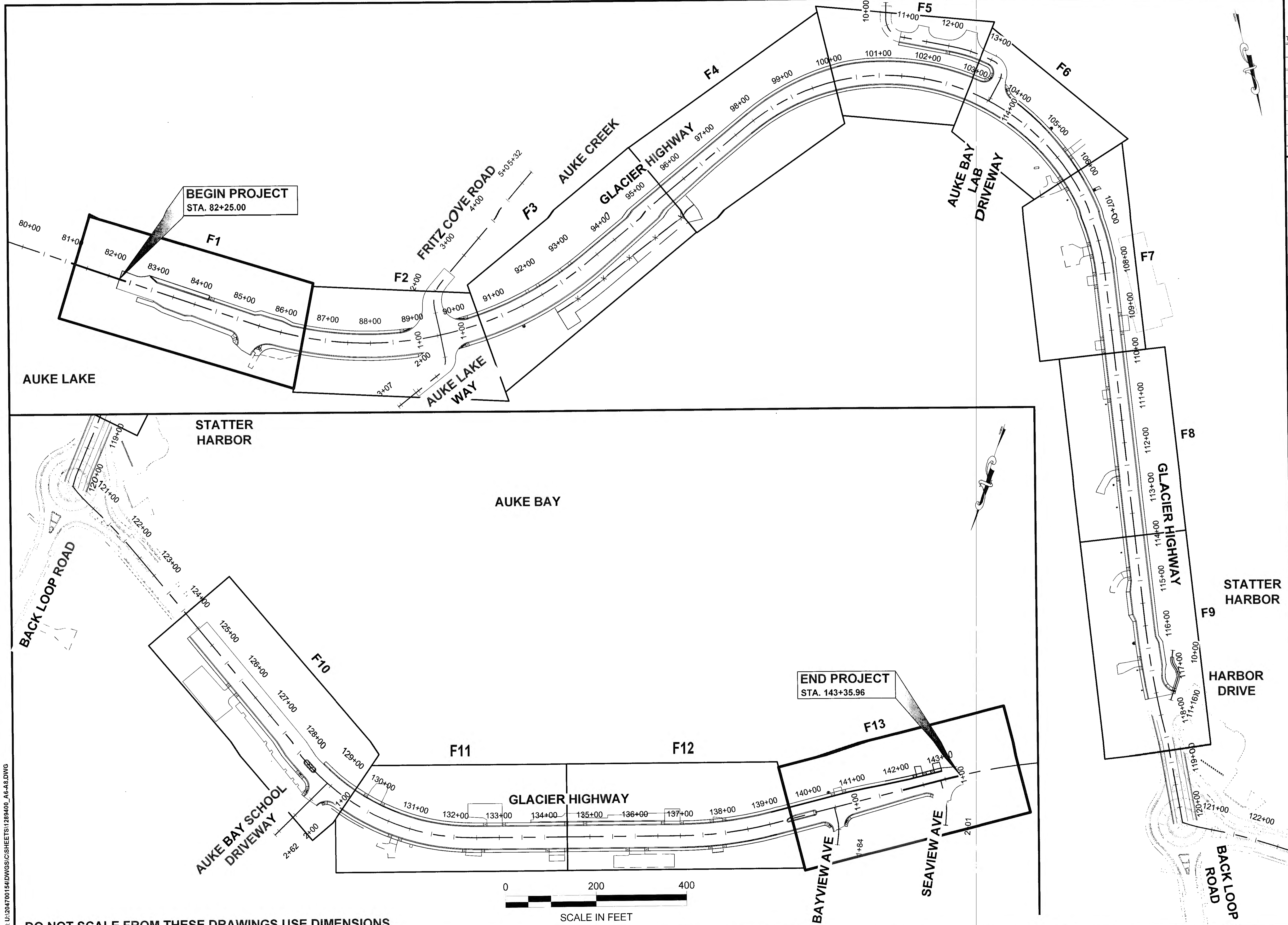
Point #	Northing	Easting	Elevation	Description	Station	Offset
12	511341.32	484127.98	54.85	ALCTRL2" _FCF-12	136+65.27	38.73R
50	511504.37	484697.90	48.04	CPS_ALCTRL2.5" _S0	130+99.53	28.18R
51	511110.03	485541.61	58.45	GPS_ALCTRL2.5" _S1	121+70.98	47.04R
55	511080.93	485587.62	58.95	ALCAP3.5" _SHMON	121+14.49	42.06R
56	511217.98	485329.83	47.49	ALCAP3.5" _SHMON	124+10.72	29.63R
57	511547.55	485732.54	95.77	ALCAP3.5" _SHMON	122+40.68	521.63R
471	511341.08	484572.20	50.96	IBM_105	132+65.72	107.28L

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.

GLACIER HIGHWAY NORTH ALIGNMENT TABLES

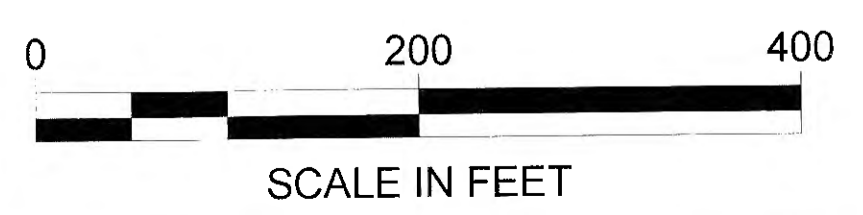
FRITZ TO SEAVIEW DESIGN ALIGNMENT GH-NORTH

SEGMENT	START STA	NORTHING	EASTING	END STA	RADIUS	LENGTH	DELTA
C5	120+33.77	511005.40</					



PATH: U:\2014\7001541\DWGS\CIS\1288400_A6-A8.DWG

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: A6

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE: *[Signature]* Date: 1/6/2020

PLAN LEGEND

CHECKED BY: S. KARI

DESIGNED BY: C. HAKARI
 DRAWN BY: C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE**

PROJECT ALIGNMENTS & SHEET LAYOUT

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
A6	145

TAB: A7

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGN ALIGNMENT TABLES										
POINT DATA				TANGENT DATA		CURVE DATA				
DESC	STATION	NORTHING	EASTING	BEARING	DISTANCE	NORTHING CENTER PNT	EASTING CENTER PNT	RADIUS	LENGTH	Δ
GLACIER HIGHWAY - SOUTH OF ROUNDABOUT										
PT	73+19.00	508 793.97	488 388.81	N57° 20' 52"W	1226.15'					
PC	85+45.15	509 455.52	487 356.44			508 815.63	486 946.39	760.00 LT	773.19	58° 17' 25"
PT	93+18.34	509 500.81	486 617.56	S64° 21' 44"W	461.37'					
PC	97+79.71	509 301.18	486 201.61			509 738.43	485 991.75	485.00 RT	1043.99	123° 19' 55"
PT	108+23.70	509 803.37	485 511.12	N7° 41' 39"E	777.65'					
PC	116+01.35	510 574.01	485 615.24			510 801.61	483 930.54	1700.00 LT	252.33	8° 30' 16"
PRC	118+53.68	510 825.66	485 630.37			510 832.73	486 130.32	500.00 RT	41.07	4° 42' 22"
PT	118+94.75	510 866.70	485 631.48	N3° 53' 45"E	139.02'					
PI	120+33.77'	511 005.40	485 640.92							
GLACIER HIGHWAY - NORTH OF ROUNDABOUT										
PC	120+33.77	511 005.40	485 640.92			510 778.38	485 483.11	276.48 LT	51.17	10° 36' 16"
PC	120+84.94	511 030.56	485 596.45			512 125.10	486 088.36	1200.00 RT	157.08	7° 30' 00"
PT	122+42.02	511 104.13	485 457.79	N58° 17' 59"W	571.02					
PC	128+13.05	511 404.19	484 971.96			510 991.55	484 717.10	485.00 LT	430.50	50° 51' 26"
PT	132+43.55	511 449.69	484 557.94	S70° 50' 35"W	456.3					
PC	136+99.84	511 299.96	484 126.92			510 490.41	484 408.15	857.00 LT	209.50	14° 00' 22"
PT	139+09.34	511 207.82	483 939.35	S56° 50' 13"W	387.13					
PC	142+96.47	510 996.06	483 615.28			512 126.17	482 876.80	1350.00 RT	53.53	2° 16' 19"
POC	143+50.00	510 967.67	483 569.89							
AUKE LAKE WAYSIDE DRIVEWAY										
PI	1+00.00	509 450.53	487 364.24	N32° 39' 08"E	39.30					
PC	1+39.30	509 483.62	487 385.44		44.44	509 456.64	487 427.54	50.00 RT	44.44	50°55'31"
PT	1+83.74	509 506.33	487 421.94	N83° 34' 40"E	63.09					
POT	2+46.83	509 513.38	487 484.64							
FRITZ COVE ROAD										
PI	1+00.00	509 575.33	486 967.99	S1° 37' 44"W	59.77					
PC	1+59.77	509 515.58	486 966.30			509 517.38	486 903.32	63.00 RT	57.89	52° 38' 45"
PT	2+17.65	509 466.23	486 940.11	S54° 16' 28"W	313.86					
POT	5+31.52	509 282.97	486 685.31							
AUKE LAKE WAY										
PI	1+00.00	509 575.33	486 967.99	N2° 32' 00"E	49.37					
PC	1+49.37	509 624.65	486 970.18			509 622.88	487 010.14	40.00 RT	44.1	63° 09' 43"
PT	1+93.47	509 659.34	486 993.67	N65° 41' 44"E	85.44					
POT	2+78.90	509 694.50	487 071.54							

DESIGN ALIGNMENT TABLES										
POINT DATA				TANGENT DATA		CURVE DATA				
DESC	STATION	NORTHING	EASTING	BEARING	DISTANCE	NORTHING CENTER PNT	EASTING CENTER PNT	RADIUS	LENGTH	Δ
UAS/AUKE BAY LAB DRIVEWAY										
POT	10+00.00	509 112.59	485 835.41	N14° 36' 26"E	35.90					
PC	10+35.90	509 147.04	485 844.41			509 157.13	485 805.70	40.00 LT	54.98	78°45'00"
PT	10+90.89	509 193.13	485 823.14	N65° 24' 04"W	111.12					
PC	12+02.00	509 239.38	485 722.11			509 574.00	485 875.26	368.00 RT	104.28	16°14'10"
PCC	13+06.28	509 295.55	485 634.66			509 319.08	485 656.35	32.00 RT	49.93	89°24'08"
PT	13+56.22	509 340.52	485 632.59	N42° 04' 11"E	51.03					
PI	14+07.25	509 378.40	485 666.79							
STATTER HARBOR PEDESTRIAN PATH										
POT	10+00.00	510 639.63	485 569.97	N19° 32' 20"E	15.50					
PC	10+15.50	510 654.23	485 575.15			510 664.27	485 546.88	30.00 LT	23.23	44°21'51"
PRC	10+38.72	510 676.86	485 574.11			510 689.46	485 601.34	30.00 RT	29.96	57°13'05"
PT	10+68.68	510 705.53	485 576.00	N32° 23' 35"E	46.82					
POT	11+15.50	510 745.06	485 601.09							
AUKE BAY SCHOOL DRIVEWAY										
PI	1+00.00	511 439.54	484 902.92	N26° 47' 05"E	162.37					
POT	2+62.37	511 584.49	484 976.09							
BAYVIEW AVENUE										
PT	1+00.00'	511 132.42	483 823.95	N33° 09' 47"W	25.17					
PC	1+25.17'	511 153.48	483 810.18			511 208.19	483 893.89	100.00 RT	36.31	20° 48' 21"
PT	1+61.48'	511 186.78	483 796.21	N12° 21' 26"W	22.10					
POT	1+83.58'	511 208.37	483 791.48							
SEAVIEW AVENUE										
PT	1+00.00'	510 999.95	483 621.23	N33° 09' 47"W	38.47					
PC	1+38.47'	511 032.15	483 600.19			511 086.85	483 683.90	100.00 RT	31.49	18° 02' 29"
PT	1+69.95'	511 060.76	483 587.36	N15° 07' 18"W	30.90					
POT	2+00.86'	511 090.60	483 579.30							

GENERAL NOTES:

- TOPOGRAPHIC INFORMATION IS BASED ON MULTIPLE ADJACENT SURVEYS PERFORMED BY DOT&PF OVER THE PAST 20 YEARS. FIELD VERIFY CURRENT EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- SOILS INFORMATION IS DERIVED FROM SUBSURFACE INVESTIGATION REPORT PERFORMED BY R & M ENGINEERING, INC. COPIES ARE AVAILABLE UPON REQUEST.
- RIGHT-OF-WAY LINES AND PROPERTY LINES ARE SHOWN FOR GENERAL INFORMATION PURPOSES. SEE RIGHT-OF-WAY MAPS FOR LOCATION AND SURVEY CONTROL FOR PROPERTY LINES AND RIGHT-OF-WAY LINES.
- LOCATION OF WATER AND SEWER SERVICES EXIST THROUGHOUT THE PROJECT, BUT ARE NOT SHOWN.COORDINATE WITH THE PROJECT ENGINEER FOR RESOLUTION OF UNFORESEEN CONFLICTS DURING CONSTRUCTION.
- LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY. DETERMINE EXACT LOCATION BY OBTAINING UTILITY LOCATES, FIELD LOCATES AND EXERCISING CAUTION DURING EXCAVATION. UTILITY AGREEMENTS CAN BE FOUND IN APPENDIX I OF THE SPECIFICATIONS.
- DIMENSIONS SHOWN IN THE PLANS ARE TO TOP BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- APPROACHES WILL BE RECONSTRUCTED IN ACCORDANCE WITH DETAILS PROVIDED ON SHEET E3. THE WIDTHS AND CONSTRUCTION LIMITS ARE SHOWN IN THE APPROACH SUMMARY ON SHEET D10. WHERE ATTAINING GRADES DETAILED ON SHEET E3 ARE NOT PRACTICABLE, RECONSTRUCT CLOSELY TO EXISTING GRADES, OR AS DIRECTED. APPROACHES WHERE DETAILED DESIGNS HAVE BEEN DEVELOPED ARE NOTED IN THE REMARKS COLUMN OF THE APPROACH SUMMARY TABLE.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *JK* Date *11/1/2016*

PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: C. HAKARI

DRAWN BY: C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

PROJECT ALIGNMENTS & SHEET LAYOUT

PROJECT DESIGNATION

0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
A7	145

No.	DATE	DESCRIPTION

DESIGN ALIGNMENT TABLES

DESC	POINT DATA			TANGENT DATA		CURVE DATA				
	STATION	NORTHING	EASTING	BEARING	DISTANCE	NORTHING CENTER PNT	EASTING CENTER PNT	RADIUS	LENGTH	Δ
WALL #01 (NOT USED)										
WALL #02										
PC	10+00.00	509 542.73	487 281.55			508 814.75	486 946.13	801.54 LT	235.65	16°50'42"
PT	12+35.65	509 608.69	487 056.21	N83° 39' 47"E	50.10					
PI	12+85.75	509 614.22	487 006.41	N13° 52' 13"W	26.00					
PI	13+11.75	509 639.46	487 000.18	N34° 18' 07"E	2.35					
PC	13+14.10	509 641.41	487 001.51			509 628.23	487 020.82	23.37 RT	11.04	27°03'38"
PT	13+25.14	508 648.75	487 009.61	N61°21' 45"E	54.13					
PI	13+79.27	509 674.69	487 057.12							
WALL #03										
PI	10+00.00	509 489.47	486 912.21	N42° 04' 17"E	25.49					
PI	10+25.49	509 508.39	486 929.29	N4° 04' 28"W	21.79					
PI	10+47.28	509 530.13	486 927.74	N82° 05' 59"W	40.08					
PI	10+87.36	509 535.63	486 888.04	S85° 02' 51"W	10.32					
PI	10+97.68	509 534.74	486 877.75	S82° 50' 13"W	43.84					
PI	11+41.52	509 529.28	486 834.26	S75° 09' 43"W	29.59					
PI	11+71.11	509 521.70	486 805.65	S68° 05' 27"W	15.89					
PI	11+87.00	509 515.77	486 790.91							
WALL #04 (NOT USED)										
WALL #05										
PC	9+67.47	509 582.17	486 722.73			508 815.63	486 946.39	798.50 LT	159.30	11°25'49"
PT	11+26.77	509 522.64	486 575.25	S62° 18' 09"W	258.1					
PI	13+85.02	509 402.67	486 346.72							
WALL #06										
PI	10+00.00	509 441.88	486 567.56	S64° 21' 44"W	111				433.21	
PI	11+11.00	509 393.85	486 467.49							
WALL #06A										
PI	10+00.00	509 371.97	486 455.71	S64° 21' 44"W	220.00				433.21	
WALL #07										
PC	10+00.00	509 494.89	485 603.28			509 738.43	485 991.75	458.50 RT	87.4	10°55'21"
PT	10+87.40	509 572.91	485 564.17							
WALL #08										
PC	10+00.00	509 664.06	485 485.69			509 738.48	485 992.98	512.72 RT	102.25	11°25'34"
PT	11+02.25	509 766.03	485 481.00	N7° 21' 26"W	10.25					
PI	11+12.50	509 776.20	485 479.69							

DESIGN ALIGNMENT TABLES

DESC	POINT DATA			TANGENT DATA		CURVE DATA				
	STATION	NORTHING	EASTING	BEARING	DISTANCE	NORTHING CENTER PNT	EASTING CENTER PNT	RADIUS	LENGTH	Δ
WALL #09										
PI	10+00.00	510 054.96	485 518.37	N7° 41' 39"E	527.35					
PC	15+27.35	510 577.56	485 588.97			510 801.62	483 930.54	1673.50 RT	23.37	0°48'00"
PT	15+50.72	510 600.74	485 591.94	N20° 22' 13"E	15.40					
PC	15+66.12	510 615.18	485 586.58			510 801.62	483 930.54	1666.50 LT	51.84	1°46'57"
PT	16+17.96	510 666.78	485 591.58	N20° 22' 13"E	12.57					
PI	16+30.53	510 678.25	485 596.71							
WALL #10										
PI	10+00.00	510 459.03	485 626.44	N7° 41' 38"E	7.50					
PI	10+07.50	510 466.46	485 627.45	N23° 28' 07"E	25.77					
PI	10+33.27	510 490.10	485 637.70	N7° 41' 39"E	52.09					
PI	10+85.36	510 541.72	485 644.68	N17° 41' 36"E	16.42					
PI	11+01.78	510 557.36	485 639.68							
WALL #11										
PI	10+00.00	511 382.63	484 867.27	N25° 44' 01"W	29.23					
PI	10+29.23	511 408.96	484 854.58	N70° 44' 01"W	21.66					
PI	10+50.89	511 416.11	484 834.14	S64° 15' 59"W	20.83					
PI	10+71.71	511 407.06	484 815.38							
WALL #12										
PC	10+00.00	511 484.40	484 874.90			510 991.58	484 717.11	517.47 LT	82.5	9°08'05"
PI	10+82.50	511 503.21	484 794.66							
WALL #13										
PC	10+00.00	511 232.39	484 048.61			510 490.41	484 408.15	824.50 LT	105.19	7°18'36"
PT	11+05.19	511 180.62	483 957.13	S54° 14' 54"W	11.07					
PI	11+16.26	511 174.15	483 948.14							
WALL #14										
PI	10+00.00	511 079.00	483 801.72	S59° 20' 07"W	70.07					
PI	10+70.07	511 043.27	483 741.45							

CO # 19

CO # 19

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE TB Date 1/6/2020

PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: C. HAKARI

DRAWN BY: C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

PROJECT ALIGNMENTS & SHEET LAYOUT

PROJECT DESIGNATION

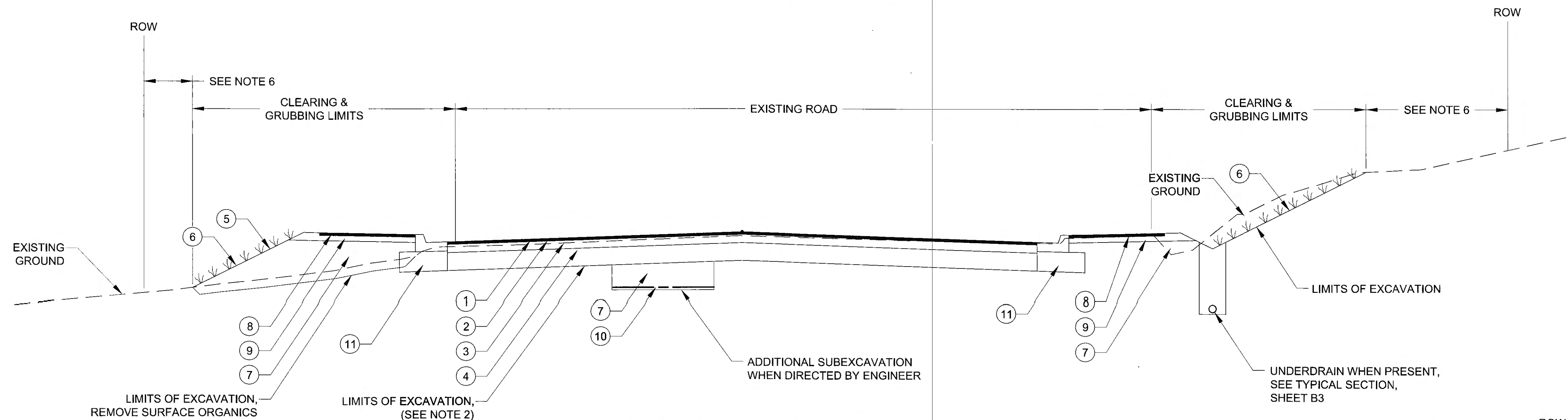
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
A8	145

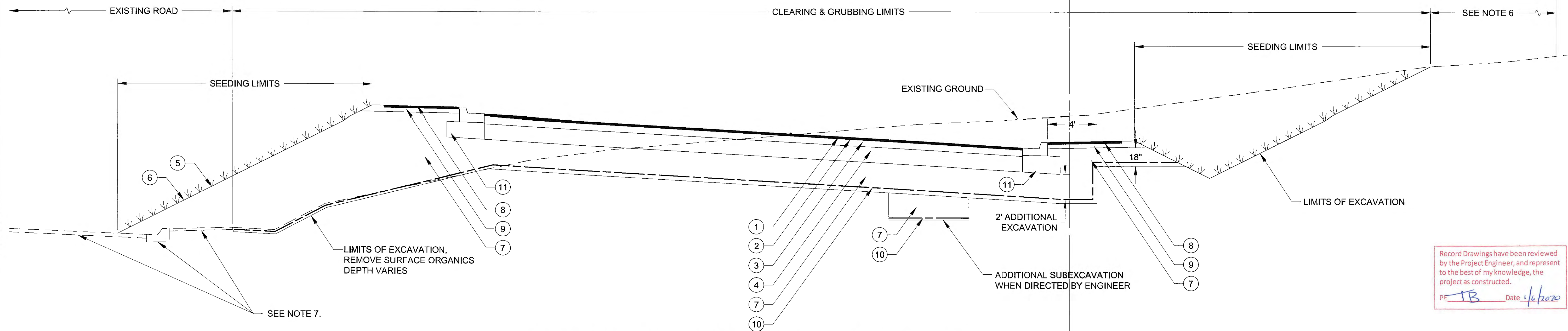
LEGEND

- ① 3" HMA, SP, TYPE B
- ② STE-1 ASPHALT FOR TACK COAT
- ③ 3" ASPHALT TREATED BASE COURSE
- ④ 8" AGGREGATE BASE COURSE, GRADING D-1
- ⑤ 4" TOPSOIL AND SEEDING
- ⑥ BONDED FIBER MATRIX & SEED (SEE NOTE 3)
- ⑦ USEABLE EXCAVATION AND/OR BORROW (SEE NOTES 1 & 2)
- ⑧ 2" ASPHALT SIDEWALK
- ⑨ 4" BED COURSE, GRADING D-1
- ⑩ SEPARATION GEOTEXTILE
- ⑪ 8" BED COURSE, GRADING D-1



ROAD STRUCTURAL SECTION

GLACIER HIGHWAY
BOP TO STA. 97+79.71
STA. 108+23.70 TO EOP



ROAD STRUCTURAL SECTION - NEW ROAD CONSTRUCTION

GLACIER HIGHWAY
STA. 97+79.71 TO STA. 108+23.70

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE TB Date 1/6/2020

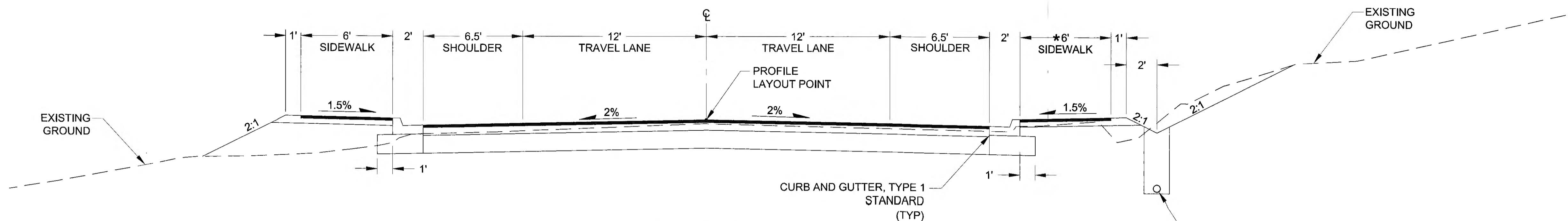
PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

TYPICAL SECTION NOTES:

1. USEABLE EXCAVATION AND BORROW MUST MEET GRADING REQUIREMENTS OF SELECTED MATERIAL, TYPE A.
2. FOR AREAS OUTSIDE OF EXISTING PAVEMENT, CONSTRUCT A MINIMUM 2' LAYER OF USEABLE EXCAVATION BELOW THE 12" AGGREGATE BASE COURSE, GRADING D-1.
3. ALL SOIL SLOPES THAT ARE 2:1(H:V) OR FLATTER SHALL HAVE TOPSOIL, SEED AND MULCH USING A BONDED FIBER MATRIX. ALL SOIL SLOPES STEEPER THAN 2:1(H:V) SHALL HAVE SLOPE STABILIZATION MATTING, TYPE 4, OR WHERE DIRECTED.
4. SUPERELEVATIONS ROTATE ABOUT THE CENTERLINE. THE RATE OF SUPERELEVATION AND THE SUPERELEVATION TRANSITION REGIONS ARE GIVEN ON THE PLAN AND PROFILE SHEETS. REFER TO CASE 1 OF STANDARD DRAWING I-81.00 FOR TRANSITION DETAILS.
5. REFER TO SLOPE EXCEPTION TABLE 2-B2, UNDERDRAIN SUMMARY (D SHEETS), AND ALTERNATE DITCH DETAILS ON SHEET B3.
6. CLEAR 10' BEYOND SLOPE LIMIT OR TO ROW, WHICHEVER IS LESS. REMOVAL OF ADDITIONAL, UNSTABLE TREES MAY BE NECESSARY AT THE DISCRETION OF THE ENGINEER.
7. REMOVE EXISTING ROADWAY PAVEMENT, CURB AND GUTTER, AND SIDEWALK. OBLITERATE ROADWAY WITHIN THE LIMITS SHOWN ON THE PLAN VIEW, OR AS OTHERWISE DIRECTED.
8. APPLY STE-1 ASPHALT FOR TACK COAT BETWEEN LIFTS OF ASPHALT TREATED BASE COURSE.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

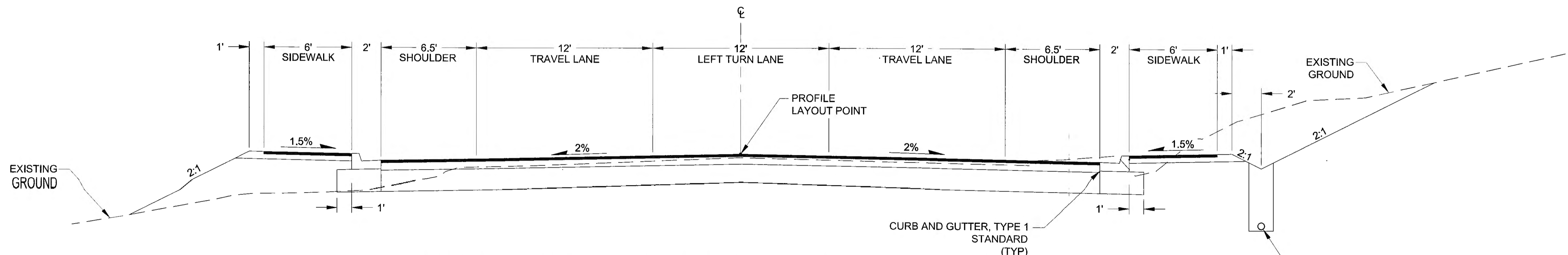
CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION	
DESIGNED BY: C. HAKARI		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DRAWN BY: C. HAKARI		TYPICAL SECTIONS	
Tuesdays, December 13, 2016 1:15:44 PM		PROJECT DESIGNATION	YEAR
TAB: B1		0933039/Z684710000	2016
NO. DATE DESCRIPTION		SHEET NO.	TOTAL SHEETS
12/12/16 MODIFIED NOTE 1		B1	145



TYPICAL SECTION

CUT AND FILL TYPICAL BOTH SIDES OF ROADWAY
 BOP TO STA. 85+45.15
 STA. 93+18.34 TO STA. 100+22.24
 STA. 103+14.52 TO STA. 117+21.56
 STA. 140+71.71 TO EOP

* SIDEWALK WIDTH 10' FROM BOP TO STATION 85+15



TYPICAL SECTION - LEFT TURN LANE & TWO-WAY LEFT TURN LANE

CUT AND FILL TYPICAL BOTH SIDES OF ROADWAY
 STA. 85+45.15 TO STA. 93+18.34
 STA. 100+22.24 TO STA. 103+14.52
 STA. 117+21.56 TO STA. 140+71.71

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 11/6/2020

SLOPE EXCEPTION TABLE 2-B2

LEFT			RIGHT		
STATION FROM	STATION TO	REMARKS	STATION FROM	STATION TO	REMARKS
BOP	82+60	GRADE TO MATCH EXISTING GRAVEL SHOULDER AND STAIRS	BOP	82+75	GRADE TO DRAIN, -2%
82+60	84+05	CUT TO EXISTING ROCK FACE, 1.5:1 MAX	85+72	86+50	CONSTRUCT 4:1 FILL SLOPE TO BREAKLINE, SEE SHEET F1
98+90	99+28	1.5:1 FILL SLOPE	90+69	91+05	1' DEEP X 3' FLAT BOTTOM DITCH WITH APPROX. 10' TALL 0.5:1 ROCK CUT
101+25	103+28	1.5:1 FILL SLOPE	91+79	92+25	CUT TO MATCH EDGE OF NEW DRIVEWAY GRADING, 1.5:1 MAX.
			110+65	110+75	1.5:1 BACKSLOPE
			111+10	111+50	DITCH OFFSET 3' FOR 1.5' DEEP DITCH, 1.5:1 BACKSLOPE
104+01	106+60	FILL SLOPE VARIES, APPROX. 4:1 - 6:1, MATCH EXISTING ROAD SHOULDER			
108+32	108+64	HOLD SLOPE INSIDE ROW, 1.5:1 MAX.	105+75	105+96	CUT TO MATCH EDGE OF NEW DRIVEWAY GRADING, 1.5:1 MAX.
128+60	129+03	1.5:1 FILL SLOPE	124+53	125+95	CUT 6" DEEP SWALE, ADJUST BACKSLOPE TO MATCH PARKING LOT SHOULDER, 1.5:1 MAX.
129+30	129+69	ADJUST FILL SLOPE TO MATCH 1' BELOW TOP OF WALL, 1.5:1 MAX.	125+15	126+35	GRADE TO DRAIN
129+69	129+82	1.5:1 FILL SLOPE	136+20	136+86	OMIT DITCH, CUT AT 2.5:1 OR AS NEEDED FOR DRIVEWAY GRADING, 1.5:1 MAX.
130+18	130+75	GRADE TO DRAIN	136+86	137+67	OMIT DITCH, CUT TO MATCH INSIDE ROW, 1.5:1 MAX
130+75	131+75	CUT DITCH TO DRAIN TO INLET S-117, MAINTAIN 2:1 SLOPES	139+49	139+75	OMIT DITCH, PROTECT EXISTING LANDSCAPING, CONSTRUCT HIGH POINT & GRADE TO DRAIN
141+65	142+40	OMIT DITCH	140+86	142+47	REGRADE SWALE TO DRAIN WITH 4:1 SLOPES OR AS NEEDED TO STAY IN ROW, 1.5:1 MAX.

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI

DESIGNED BY: C. HAKARI
 DRAWN BY: C. HAKARI

Friday, September 30, 2016 11:52:13 AM
 TAB: B2

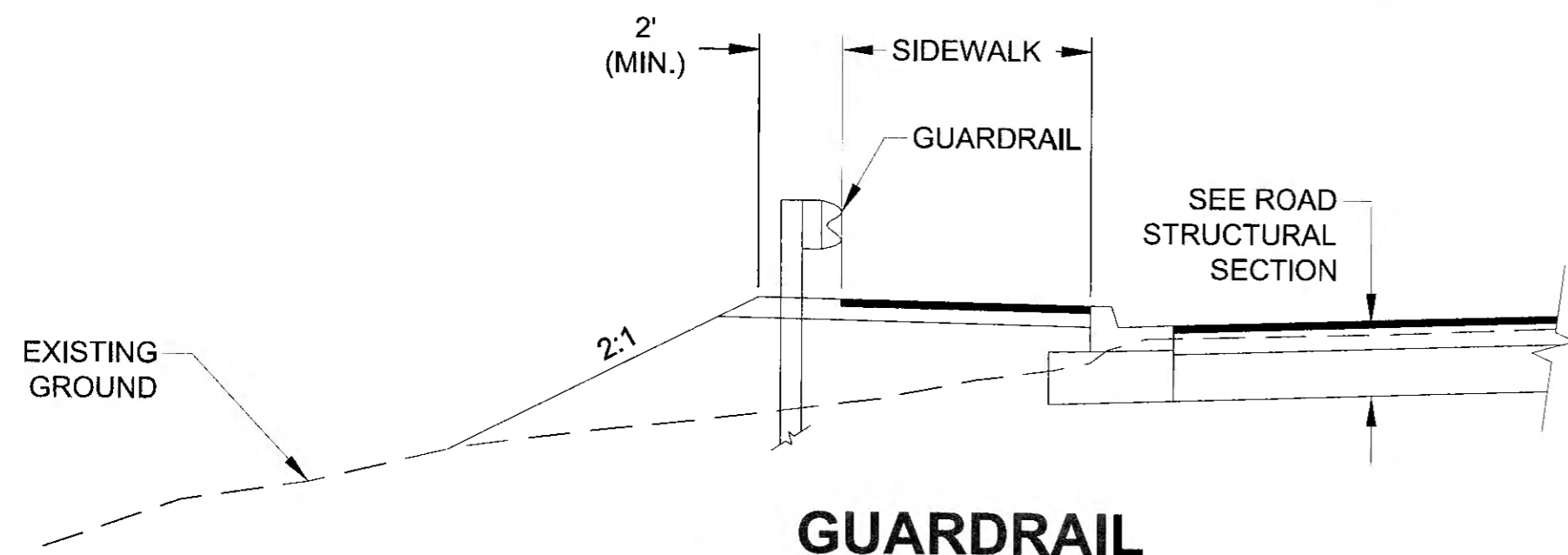
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

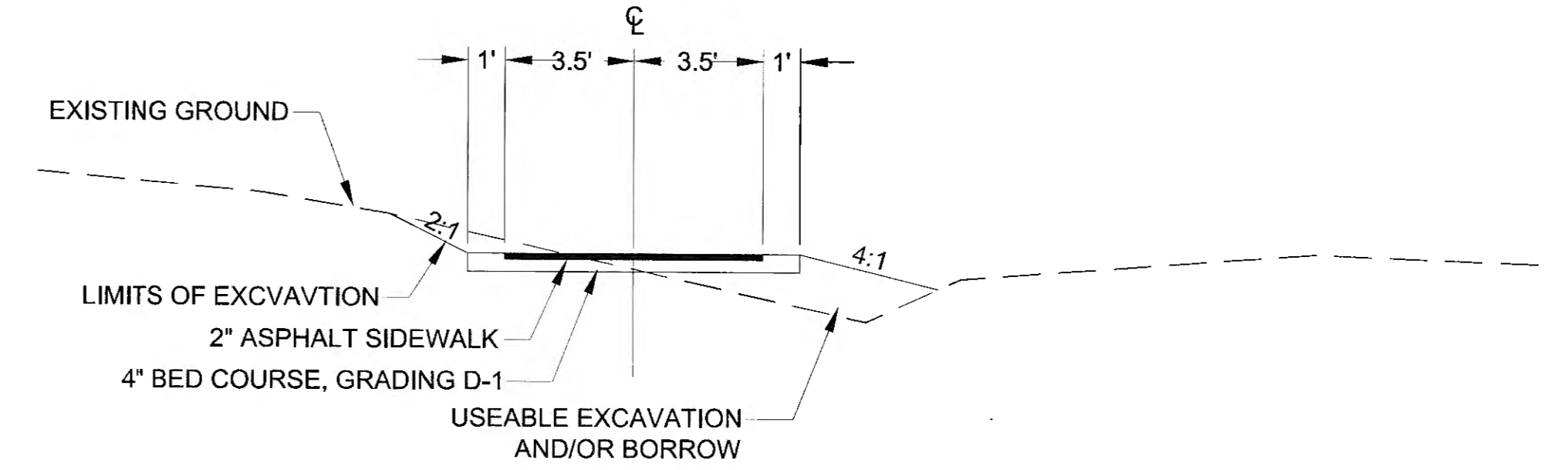
TYPICAL SECTIONS

NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			0933039/Z684710000	2016	B2	145

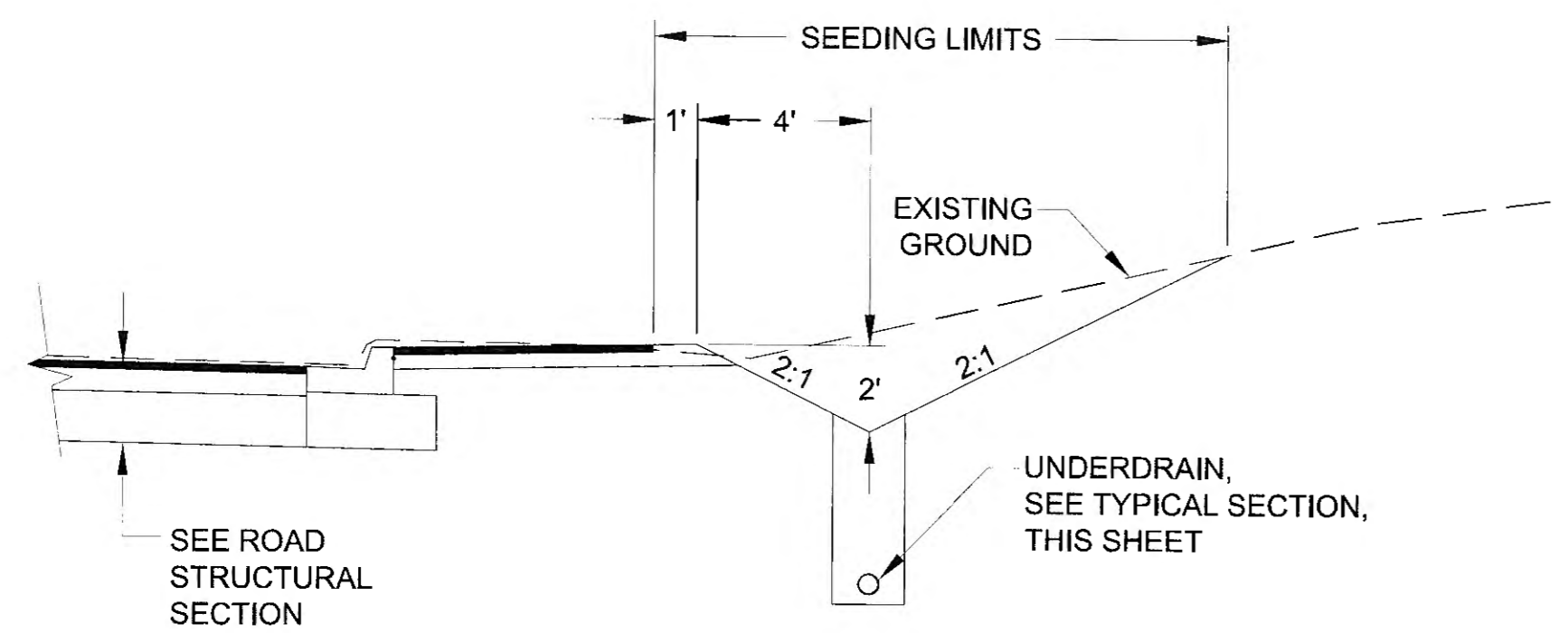
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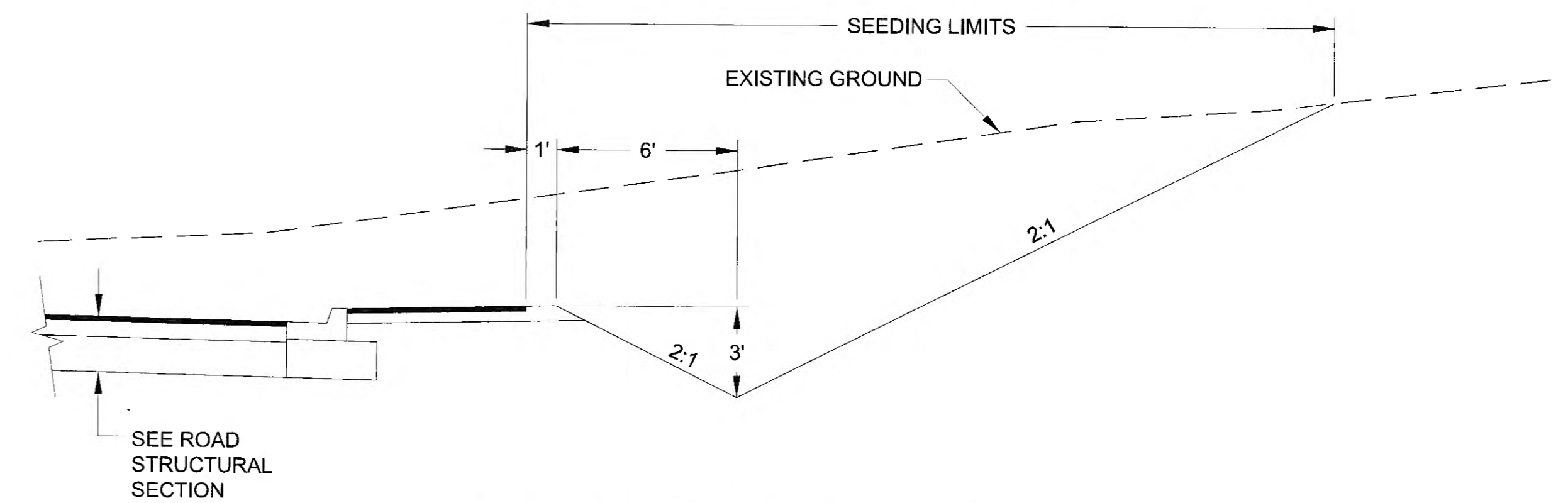
**GUARDRAIL
TYPICAL SECTION**
SEE SUMMARY TABLE FOR LOCATIONS



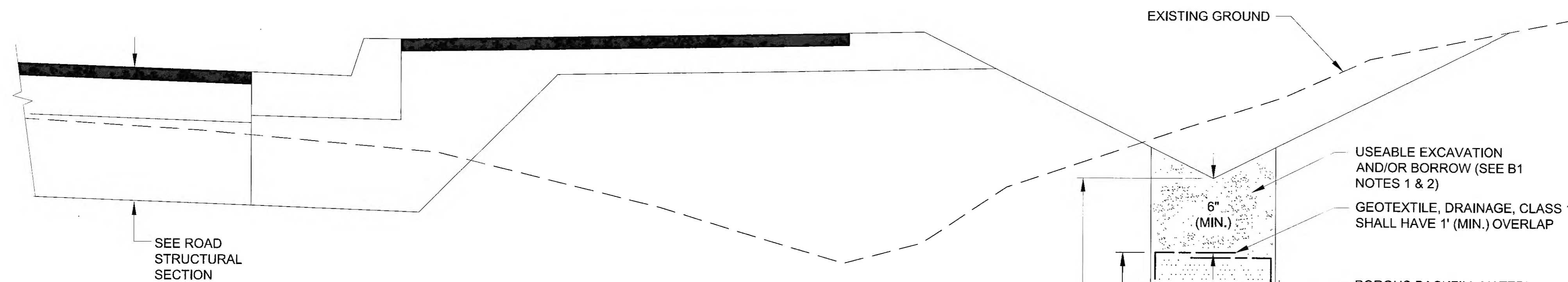
HARBOR PATH TYPICAL SECTION
CUT AND FILL TYPICAL BOTH SIDES OF PATH



**2' DITCH
TYPICAL SECTION**
STA. 96+15.07 TO STA. 99+19.27
STA. 106+17.24 TO STA. 117+42.66



3' DITCH TYPICAL SECTION
STA. 99+19.27, RT TO STA. 104+90.00, RT



- NOTES:**
- NON-PERFORATED PIPE MAY BE USED WITHIN 8 FEET OF THE OUTLET ENDS OF UNDERDRAINS.
 - THE UPSTREAM END OF THE UNDERDRAIN SHALL COMMENCE WITH A CLEANOUT OR STORM DRAIN MANHOLE.
 - THE INVERT ELEVATION OF THE OUTLET END OF THE UNDERDRAIN SHALL MATCH THE INVERT ELEVATION OF THE THE OUTLET PIPE AT THE INLET STRUCTURE TO WHICH IT CONNECTS.
 - SEE SUMMARY TABLE (D SHEETS) FOR LOCATIONS.

**UNDERDRAIN
TYPICAL SECTION**

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE: TB Date: 1/4/20

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION			
		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE			
DESIGNED BY: C. HAKARI		TYPICAL SECTIONS			
DRAWN BY: C. HAKARI					
Friday, September 30, 2016 11:52:24 AM					
TAB: B3					
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	0933039/Z684710000	2016	B3 145

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
201(1A)	CLEARING	ACRES	1
201(3A)	CLEARING AND GRUBBING	ACRES	4
201(9)	INVASIVE SPECIES CONTROL, REMOVAL, AND DISPOSAL	SQUARE YARD	407
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	27,521
202(3)	REMOVAL OF SIDEWALK	SQUARE YARD	2,806
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	4,727
202(6)	REMOVAL OF MANHOLE	EACH	13
202(8)	REMOVAL OF INLET	EACH	47
202(9)	REMOVAL OF CURB & GUTTER	LINEAR FOOT	9,005
202(10)	SINGLE MAIL BOX INSTALLATION	EACH	1
203(2)	ROCK EXCAVATION	CUBIC YARD	35
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	43,260
203(6)	BORROW	TON	75,184
203(9)	OBLITERATION OF ROADWAY	SQUARE YARD	1,111
203(50)	EXCAVATION AND TESTING OF PETROLEUM CONTAMINATED SOILS	CONTINGENT SUM	ALL REQ'D
203(51)	EXCAVATION TRANSPORT AND DISPOSAL OF LEAD CONTAMINATED SOILS	CONTINGENT SUM	ALL REQ'D
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	18,880
301(1A)	AGGREGATE BASE COURSE, GRADING D-1 PRICE ADJUSTMENT FOR NONCONFORMING GRADATION	Lump Sum	ALL REQ'D
306(1)	ATB	TON	5,723
401(1B)	HMA, SP, TYPE B	TON	5,723
401(4B)	ASPHALT BINDER, GRADE PG 64-28	TON	343
401(5)	HMA, TEMPORARY, TYPE II, CLASS B	TON	200
401(8B)	HMA PRICE ADJUSTMENT, SP, TYPE B	CONTINGENT SUM	ALL REQ'D
401(9)	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
401(10)	PAVEMENT SMOOTHNESS PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
401(15)	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
402(1)	STE-1 ASPHALT TACK COAT	TON	13
501(11)	CONCRETE RETAINING WALL	LUMP SUM	ALL REQ'D
501(4)	CLASS A CONCRETE	CUBIC YARD	564
501(8A)	CONCRETE PRICE ADJUSTMENT FOR LOW ENTRAINED AIR	Lump Sum	ALL REQ'D
505(9)	STRUCTURAL STEEL SHEET PILES	SQUARE FOOT	1,350
511(1)	MECHANICALLY STABILIZED EARTH WALL - CONCRETE FACED	SQUARE FOOT	6,377
511(2)	MECHANICALLY STABILIZED EARTH WALL - WELDED WIRE MESH FACED	SQUARE FOOT	6,867
511(3)	MECHANICALLY STABILIZED EARTH WALL - PRECAST CONCRETE FACE	SQUARE FOOT	2,848
515(1)	CONCRETE HEADWALL	EACH	7
603(21-8)	8 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	68
603(21-12)	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	90
603(21-18)	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	5,444
603(21-24)	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	238
603(30)	BOX CULVERT REPAIR	LUMP SUM	ALL REQ'D
603(31)	RECONNECT EXISTING ROOF DRAINS	CONTINGENT SUM	ALL REQ'D
604(1A)	STORM SEWER MANHOLE, TYPE I	EACH	23
604(1B)	STORM SEWER MANHOLE, TYPE II	EACH	1
604(2)	SANITARY SEWER MANHOLE	EACH	1
604(3)	RECONSTRUCT EXISTING MANHOLE	EACH	17
604(4)	ADJUST EXISTING MANHOLES	EACH	8
604(5)	INLET, TYPE A	EACH	76
604(6)	RELOCATE INLET	EACH	1
604(7)	RELOCATE MANHOLE	EACH	1
605(3)	6 INCH PERFORATED PIPE UNDERDRAIN	LINEAR FOOT	711
606(1)	W-BEAM GUARDRAIL	LINEAR FOOT	1,325
606(6)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	3,447
606(9)	CONTROLLED RELEASE TERMINAL (CRT)	EACH	1
606(13)	PARALLEL GUARDRAIL TERMINAL	EACH	2

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
606(16)	TRANSITION RAIL	EACH	3
606(3A)	REMOVE AND RELOCATE PARALLEL GUARDRAIL TERMINAL	Lump Sum	ALL REQ'D
607(3)	CHAIN LINK FENCE	LINEAR FOOT	416
607(3A)	SAFETY FENCE	LINEAR FOOT	415
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	69
608(1B)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	775
608(3)	ASPHALT SIDEWALK	SQUARE YARD	9,942
608(6)	CURB RAMP	EACH	17
609(2)	CURB AND GUTTER, TYPE I	LINEAR FOOT	12,019
611(1)	RIPRAP, CLASS I	CUBIC YARD	162
614(2)	CONCRETE BARRIER FOR TOP OF WALLS	LINEAR FOOT	614
615(1)	STANDARD SIGN	SQUARE FOOT	453
615(2)	REMOVE AND RELOCATE EXISTING SIGN	LUMP SUM	ALL REQ'D
615(6)	SALVAGE SIGN	EACH	85
618(2)	SEEDING	POUND	144
619(2)	MATTING	SQUARE YARD	1,500
619(3)	BONDED FIBER MATRIX (BFM)	POUND	7,743
621(1)	TREE	EACH	128
620(2)	TOP SOIL	SQUARE YARD	10,708
620(2A)	TOPSOIL PRICE ADJUSTMENT FOR NONCONFORMING GRADATION	Lump Sum	ALL REQ'D
625(1A)	PIPE HAND RAIL, TYPE A	LINEAR FOOT	1,403
625(1B)	PIPE HAND RAIL, TYPE B	LINEAR FOOT	611
626(1)	SANITARY SEWER CONDUIT, 8 INCH	LINEAR FOOT	201
626(3)	TEMPORARY SANITARY SEWER FORCE MAIN RELOCATION	LUMP SUM	ALL REQ'D
627(1)	10 INCH DUCTILE IRON WATER CONDUIT	LINEAR FOOT	32
627(4)	FIRE HYDRANT ADJUSTMENT	EACH	3
627(6)	FIRE HYDRANT RELOCATION	EACH	3
627(9)	INSTALL 12 INCH GATE VALVE	EACH	3
627(10)	ADJUSTMENT OF VALVE BOX	EACH	27
627(11-20)	20 INCH HDPE WATER CONDUIT	LINEAR FOOT	1,374
627(12)	INSTALL 16 INCH BUTTERFLY VALVE	EACH	5
627(13)	AIR RELEASE VALVE	EACH	2
627(14)	REMOVE WATERLINE	LUMP SUM	ALL REQ'D
630(1)	GEOTEXTILE, SEPARATION	SQUARE YARD	6,353
635(1)	INSULATION BOARD	MBM	13
636(1A)	11 FOOT GUARDRAIL PILES	Lump Sum	ALL REQ'D
639(3)	APPROACH	EACH	25
640(1)	MOBILIZATION & DEMOBILIZATION	LUMP SUM	ALL REQ'D
641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641(3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQ'D
641(5)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL DIRECTIVES	CONTINGENT SUM	ALL REQ'D
641(6)	WITHHOLDING	CONTINGENT SUM	ALL REQ'D
641(7)	SWPPP MANAGER	LUMP SUM	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
642(3)	THREE PERSON SURVEY PARTY	HOUR	40
642(4)	PRIMARY MONUMENT	EACH	16
642(5)	SECONDARY MONUMENT	EACH	5
642(10)	MONUMENT CASE	EACH	16
642(3B)	POLE & MAJOR AEM MODIFICATIONS	Lump Sum	ALL REQ'D
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D
643(15)	FLAGGING	CONTINGENT SUM	ALL REQ'D

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
643(23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D
643(35)	PEDESTRIAN SHUTTLE SERVICE	Hourly	418
644(1)	FIELD OFFICE	LUMP SUM	ALL REQ'D
644(20)	WEB-BASED SUBMITTALS	DELETED BY CC#3	ALL REQ'D
645(1)	TRAINING PROGRAM, 2 TRAINEES/APPRENTICES	LABOR HOUR	1,000
644(1A)	MONTHLY FIELD OFFICE	Monthly	17.5
646(1)	CPM SCHEDULING	LUMP SUM	ALL REQ'D
644(21)	FIELD LABORATORY SERVICES	Lump Sum	ALL REQ'D
660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE	LUMP SUM	ALL REQ'D
644(22)	SHAKER SHEET	Lump Sum	ALL REQ'D
661(1)	LOAD CENTER, TYPE 1	EACH	1
610(4)	ROCK SLOPE ARMOR	TDN	910
662(1)	POLE SHORING POLE 12831	LUMP SUM	ALL REQ'D
662(2)	POLE SHORING	LUMP SUM	ALL REQ'D
505(9A)	STRUCTURAL STEEL SHEET PILES DELETION ADJUSTMENT	Lump Sum	ALL REQ'D
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQ'D
670(8)	RECESSED PAVEMENT MARKINGS	EACH	135
627(15)	8 INCH WATERLINE ABANDON IN-PLACE	Lump Sum	ALL REQ'D
682(1)	VAC-TRUCK POTHOLE	CONTINGENT SUM	ALL REQ'D
660(3A)	JUNCTION BOX TYPE II	Lump Sum	ALL REQ'D
698(4)	GEOFOAM FILL	LUMP SUM	ALL REQ'D
698(1A)	GEOFOAM FILL PRICE ADJUSTMENT	Lump Sum	ALL REQ'D
699(1)	FUEL TANK REMOVAL AND REPLACEMENT	CONTINGENT SUM	ALL REQ'D
662(1A)	POLE SHORING 12831 MODIFICATION	Lump Sum	ALL REQ'D

ESTIMATING FACTORS

ITEM NO.	ITEM	FACTOR/QUANTITY
203(6)	BORROW	1.95 ton/cy
301(1)	AGGREGATE BASE COURSE, GRADING D-1	2.00 ton/cy
306(1)	ATB	120 lb/sq yd/inch
306(2)	ASPHALT CEMENT TYPE PG 58-28	4.5% of 306(1)
401(1B)	HMA, SP, TYPE B	120 lb/sq yd/inch
401(4B)	ASPHALT BINDER, GRADE PG 58-28	6.00% of 401(1)
401(5)	HMA, TEMPORARY, TYPE II, CLASS B	120 lb/sq yd/inch
402(1)	STE-1 ASPHALT FOR TACK COAT	0.1 gal/sq yd 243 gal/ton
603(30)	BOX CULVERT REPAIR	400 ft < 1"; 350 ft > 1"
618(1)	SEEDING	65 lb/acre
619(3)	BONDED FIBER MATRIX	3,500 lb/acre

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: JB Date: 1/6/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI

DESIGNED BY: C. HAKARI
 DRAWN BY: C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION
 GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

ESTIMATE OF QUANTITIES

Wednesday, December 14, 2016 11:53:07 AM	TAB: C1	REVISIONS	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
		NO. DATE DESCRIPTION	90933039/Z684710000	2016	C1	145
		12/12/16 DELETED ITEM 604(7) MODIFIED EST. FACTORS				

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EARTHWORK SUMMARY

LOCATION		EXCAVATION	EMBANKMENT
SHEET	STATION TO STATION	UNCLASSIFIED EXCAVATION (C.Y.)	BORROW, TYPE A (TONS)
F1	82+25 - 86+50	4,326	7,115
F2	86+50 - 90+50	8,924	17,677
F3	90+50 - 95+50	3,726	8,038
F4	95+50 - 100+00	3,406	10,467
F5	100+00 - 103+00	2,733	6,899
F6	103+00 - 106+00	3,791	7,684
F7	106+00 - 110+00	1,684	2,875
F8	110+00 - 114+00	3,331	4,725
F9	114+00 - 117+59.55	2,701	4,298
F10	124+53.28 - 129+50	2,377	2,187
F11	129+50 - 134+50	1,654	466
F12	134+50 - 139+50	1,662	784
F13	139+50 - 143+35.96	1,105	584
DRIVEWAYS/PARKING AREAS	VARIES	1,840	1,385
TOTALS		43,260	75,184

201(9) INVASIVE SPECIES CONTROL, REMOVAL, AND DISPOSAL - SQUARE YARD

WAY POINT	SPECIES: HAWKWEED ALONE OR WITH OTHER INVASIVE SPECIES	DIMENSION	LATITUDE	LONGITUDE	SQUARE FEET	QUANTITY SQUARE YARD
008	orange hawkweed	2 patches 1'x 4' & 1' x 4'	58.38238835	-134.63795794	8	0.9
009	oxeye daisy orange hawkweed reed canarygrass	start 3.5' x 20'	58.38243940	-134.63803464	70	7.8
010	oxeye daisy orange hawkweed reed canarygrass	end	58.38248768	-134.63817847		
012	orange hawkweed reed canarygrass	start 7' x 45'	58.38236396	-134.63843781	315	35.0
013	orange hawkweed reed canarygrass	end	58.38232976	-134.63861416		
022	orange hawkweed	3' x 5'	58.38214746	-134.63973029	15	1.7
053	oxeye daisy orange hawkweed reed canarygrass	start 18' x 60'	58.38673873	-134.65320840	1080	120.0
054	oxeye daisy orange hawkweed reed canarygrass	end	58.38683286	-134.65288879		
061	oxeye daisy orange hawkweed reed canarygrass	start 12' x 60'	58.38750433	-134.64841898	720	80.0
062	oxeye daisy orange hawkweed reed canarygrass	turn 12' x 35'	58.38741213	-134.64784021	420	46.7
063	oxeye daisy orange hawkweed reed canarygrass	end	58.38710300	-134.64791000		
064	orange hawkweed reed canarygrass	5.5' x 30'	58.38709454	-134.64681761	165	18.3
065	orange hawkweed reed canarygrass	end	58.38703025	-134.64657068		
066	oxeye daisy orange hawkweed	2' x 10'	58.38690276	-134.64619375	20	2.2
085	orange hawkweed	3' x 4'	58.38177874	-134.64054678	12	1.3
090	orange hawkweed		58.38205710	-134.63931816		0.1
091	oxeye daisy orange hawkweed	start 3' x 20'	58.38212038	-134.63907667	60	6.7
092	oxeye daisy orange hawkweed	end	58.38215626	-134.63892161		
093	oxeye daisy orange hawkweed reed canarygrass	start 6' x 130'	58.38229598	-134.63803673	780	86.7
094	oxeye daisy orange hawkweed reed canarygrass	end				
* Depth of excavation is assumed to be one foot for all areas					Total	407

202(1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS - LUMP SUM

BEGIN	END	DESCRIPTION		
STATION	OFFSET	STATION	OFFSET	
83+51.00	42.50 RT	-	-	40' JERSEY BARRIER. DELIVER TO DOT/PF MAINTENANCE YARD AS DIRECTED
86+02.63	92.04 RT	-	-	ABANDONED POWER POLE
89+73.00	66.54 LT	91+43.25	42.51 LT	MSE WALL AND REINFORCEMENT
100+72.71	44.33 RT	-	-	ABANDONED POWER POLE
108+48.00	26.00 Lt	-	-	TIMBER STAIRS
109+60.00	LT	110+60.00	LT	CHAIN LINK FENCE
116+15.00	30.40 RT	-	-	ABANDONED POWER POLE
131+95.00	39.70 RT	-	-	ABANDONED POWER POLE
133+22.00	30.70 RT	-	-	SHED
137+75.00	.00 RT	-	-	SHED

202(4) REMOVAL OF CULVERT PIPE - LINEAR FOOT

STATION	SIZE (in)	QUANTITY	REMARKS
82+85.58	24	82.7	
86+05.76	24	76.9	
89+80.21	18	37.3	
89+80.81	24	57.5	
90+09.04	12	16.8	
91+26.33	12	48.7	
91+26.41	12	23.2	
91+26.74	24	72.3	
91+99.80	8	20.0	
92+10.56	8	17.9	
96+12.03	18	13.6	
96+14.82	18	47.8	
99+06.82	18	48.8	
99+08.93	18	9.6	
102+18.78	18	4.0	SEE NOTE, SHEET F5.
102+19.83	18	9.6	
105+06.29	18	12.2	
105+08.99	18	54.4	
108+22.78	18	70.5	
108+90.57	18	118.4	
110+09.00	18	31.8	
110+09.15	8	12.0	
110+40.80	18	37.5	
110+41.02	8	9.6	
110+78.08	8	14.5	
110+78.33	18	167.3	
112+45.67	18	318.8	
115+64.50	18	270.3	
116+59.58	24	195.7	
116+65.85	18	56.3	
116+85.82	12	134.4	
117+42.17	12	65.8	
124+63.99	18	129.8	
125+93.21	18	101.7	
125+96.33	6	81.6	
126+94.93	18	146.5	
126+95.38	12	13.6	
128+39.65	8	18.5	
128+40.08	18	100.1	
129+35.64	18	31.4	
129+46.30	18	74.1	
130+40.63	12	17.3	
130+76.86	18	49.4	
130+78.37	8	6.3	
130+87.57	18	59.6	
131+26.31	18	44.5	
133+09.24	12	26.3	
133+09.49	18	47.3	
133+20.97	24	57.0	
133+53.44	24	70.2	
134+20.09	18	15.0	REMOVE PORTION & ATTACH TO NEW STRUCTURE
134+20.09	24	62.7	
135+01.44	18	57.1	
135+01.45	12	7.3	
135+66.01	18	146.0	
136+90.34	10	188.9	
136+91.04	18	244.9	
138+30.74	18	78.6	
138+31.05	6	13.7	
139+23.89	18	24.4	
139+51.42	8	15.0	
140+62.03	18	29.8	
140+66.89	12	7.5	
140+80.99	18	181.4	
140+70.90	24	175.7	
143+19.21	18	248.0	
TOTAL		4727	

202(2) REMOVAL OF PAVEMENT - SQUARE YARD

FROM STATION	TO STATION	AREA (SF)	QUANTITY	REMARKS
82+25	117+20	174,750	19,417	
82+75, RT	84+14, RT	1,390	154	TEMPORARY PATH
124+54	143+37	71,554	7,950	
TOTAL			27,521	

202(3) REMOVAL OF SIDEWALK - SQUARE YARD

BEGIN	END	QUANTITY	REMARKS	
STATION	OFFSET	STATION	OFFSET	
89+79	45.4' RT	109+43	20.3' RT	1228
111+20	20.2' RT	112+36	20.1' RT	69
112+88	20.1' RT	117+60	20.4' RT	334
124+53	26.5' RT	125+95	24.2' RT	89
126+16	24.2' RT	128+72	56.6' RT	211
129+05	42.7' RT	140+33	44.6' RT	750
140+60	45.9' RT	142+64	25.2' RT	125
TOTAL				2,806

202(6) REMOVAL OF MANHOLE - EACH

STATION	OFFSET	REMARKS
82+85.58	30.53 LT	
91+25.39	28.57 RT	
99+22.45	3.45 RT	SS MANHOLE
102+08.34	223.35 LT	
102+12.71	168.22 LT	
110+09.00	19.47 RT	
110+40.80	19.47 RT	
110+78.33	19.47 RT	
116+99.35	23.39 RT	
130+22.06	33.22 LT	
139+42.55	31.38 RT	
138+99.63	18.16 LT	
140+70.90	21.78 RT	
TOTAL		13

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *TJB* Date 1/6/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI	DESIGNED BY: B. PADDOCK		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE
	DRAWN BY: B. PADDOCK		
Tuesday, December 13, 2016 1:16:13 PM TAB: D1		SUMMARY TABLES	
REVISIONS NO. DATE DESCRIPTION 1 12/12/16 ADDED WAY POINT 092 IN TABLE 201(9)		PROJECT DESIGNATION 0933039/Z684710000	YEAR 2016
SHEET NO. D1		TOTAL SHEETS 145	

202(8) REMOVAL OF INLET - EACH

STATION	OFFSET	Remarks
82+85.34	30.38' LT	
86+05.76	41.85' LT	
96+12.03	30.47' RT	
96+14.82	17.17' RT	
99+06.82	4.26' RT	
99+08.93	13.65' RT	
102+19.19	52.64' LT	
102+19.83	43.08' LT	
105+06.29	13.29' LT	
105+08.99	25.21' LT	
107+46.03	32.86' RT	
108+22.78	39.06' RT	
108+90.57	19.48' RT	
110+09.00	19.47' RT	
110+09.15	31.5' RT	
110+40.80	19.47' RT	
110+41.02	29.02' RT	
110+78.08	33.93' RT	
110+78.33	19.47' RT	
112+45.67	19.46' RT	
112+49.89	27.672' RT	
114+45.84	30.21' RT	
115+64.50	19.05' RT	
116+19.09	31.12' RT	
116+65.85	20.4' RT	
117+06.85	30.64' RT	
117+42.17	27.31' LT	
125+93.21	23.26' RT	
125+96.33	104.75' RT	
126+94.93	24.89' RT	
126+95.38	38.44' RT	
128+40.08	23.47' RT	
129+35.64	24.25' RT	
130+77.84	29.99' LT	
133+09.49	19.06' RT	
133+53.44	36.45' RT	
134+20.09	14.33' RT	
134+49.59	42.47' LT	
135+01.44	26.60' LT	
135+01.45	19.26' LT	
138+30.74	19.69' RT	
138+31.05	33.43' RT	
138+99.63	18.16' LT	
139+23.89	22.50' LT	
139+51.42	19.24' RT	
140+61.77	53.47' RT	
140+66.89	28.09' RT	
140+70.90	21.78' RT	
TOTAL:		48

-202(10) SINGLE MAIL BOX INSTALLATION - EACH-

EXISTING LOCATION		NEW LOCATION		REMARKS
STATION	OFFSET	STATION	OFFSET	
110+01.3	31.5' RT	109+93.0	31.5' RT	
TOTAL:	1			

-203(9) OBLITERATION OF ROADWAY - SQUARE YARD

FROM STATION	TO STATION	OFFSET	QUANTITY	REMARKS
99+43.00	102+49.00	LT	80	AUKE BAY LAB CURVE SOUTH
102+84.00	105+30.00	LT	1031	AUKE BAY LAB CURVE NORTH
TOTAL:			1111	

203(51) EXCAVATION TRANSPORT AND DISPOSAL OF LEAD CONTAMINATED SOILS - CONTINGENT SUM

BEGIN		END		EST. QUANTITY (TONS)	REMARKS
STATION	OFFSET	STATION	OFFSET		
105+30	75' LT	105+60	75' LT	220	STATIONS ARE APPROXIMATE
				220	

401(1B) HMA, SP; TYPE B - TON

BEGIN STATION	END STATION	QUANTITY	REMARKS
82+25.00	117+69.55	3821	INCLUDES FCR, ALW
124+53.28	143+36.96	1902	INCLUDES BAYVIEW AND SEAVIEW
TOTAL		5723	

501(4) CLASS A CONCRETE - CUBIC YARD

BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
86+50.00	38.5 RT	88+73.64	38.5' RT	29	WALL 2 PARAPET CONCRETE BARRIER
88+84.86	37.8' RT	89+33.60	38.6' RT	40	WALL C1 GRADE BEAM
89+54.05	50.5' LT	90+37.55	36.19' LT	40	WALL C2 GRADE BEAM
93+88.91	31.5' LT	95+00.00	31.5' LT	68	WALL 6
95+65.00	46.1' LT	97+40.00	46.1' LT	157	WALL 6A
104+86.97	26.9' RT	105+79.43	26.5' RT	18	WALL 7
106+64.00	42.0' LT	106+64.00	47.0' LT	1	STAIRS
110+74.00	26.5' LT	117+04.00	29.3' LT	53	WALL 9 PARAPET
114+88.90	26.5' RT	115+88.12	26.4' RT	25	WALL 10
129+03.57	66.1' LT	129+68.74	58.0' LT	82	WALL 11
129+31.00	32.5' RT	130+08.00	32.5' RT	34	WALL 12
140+95.02	32.6' LT	141+65.02	29.5' LT	18	WALL 14
TOTAL				564	

511(1) MECHANICALLY STABILIZED EARTH WALL - CONCRETE FACED - SQUARE FOOT

BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
106+87.94	26.5' LT	107+94	28.5' LT	561	WALL #8
110+74.00	26.5' LT	117+04	29.3' LT	4972	WALL #9
138+00.00	32.5' LT	139+20	33.0' LT	844	WALL #13
TOTAL				6,377	

511(2) MECHANICALLY STABILIZED EARTH WALL - WELDED WIRE MESH FACED - SQUARE FOOT

BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
86+50.00	38.5 RT	88+73.64	38.5' RT	4160	WALL #2A
89+30.22	66.8 RT	88+81.93	107.9' RT	632	WALL #2B
90+16.79	85.3' LT	89+97.03	67.0' LT	459	WALL #3A
90+37.45	38.1' LT	91+44.35	43.8' LT	1416	WALL #3B
TOTAL				6,667	ADDED QUANTITY


511(3) MECHANICALLY STABILIZED EARTH WALL - PRECAST CONCRETE FACE - SQUARE FOOT

BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
88+73.64	38.5' RT	89+30.22	66.8' RT	1172	WALL C1
89+97.03	67.0' LT	90+37.45	38.1' LT	1676	WALL C2
TOTAL				2,848	

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION	
		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DESIGNED BY: B. PADDOCK		SUMMARY TABLES	
DRAWN BY: B. PADDOCK		Friday, September 30, 2016 11:53:44 AM	
T.A.B: D2		REVISIONS	
NO.	DATE	DESCRIPTION	
PROJECT DESIGNATION		YEAR	SHEET NO.
0933039/Z684710000		2016	D2
TOTAL SHEETS		145	

202(9) REMOVAL OF CURB & GUTTER - LINEAR FOOT

BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
89+80.7	38.4' RT	117+83.9	19.7' RT	2874	
90+07.0	97.9' LT	90+87.4	27.2' LT	161	
93+39.4	24.1' LT	97+64.1	21.1' LT	425	
109+88.0	20.4' LT	117+47.2	32.3' LT	760	
124+07.2	25.9' RT	128+72.1	56.5' RT	490	
129+03.7	53.0' RT	140+33.4	44.9' RT	1181	
134+94.1	22.8' LT	136+03.6	23.0' LT	2874	NOT EXIST
140+61.0	43.9' RT	142+74.2	43.4' RT	240	
TOTAL				9,005	

603(21) PIPE - LINEAR FOOT

PIPE NO.	SIZE	LENGTH	INLET STRUCTURE	INLET INVERT	OUTLET STRUCTURE	OUTLET INVERT	SLOPE	REMARKS
P-1	24"	81.61'	S-1	78.01	82+85.5, 54.1 RT	77.29	0.88%	SPILLWAY
P-2	18"	48.22'		79.00	83+17.2, 73.8 RT	78.70	0.62%	SPILLWAY
P-3	18"	79.85'	S-3	82.50	S-5	81.64	1.08%	
P-4	18"	22.00'	S-4	81.75	S-5	81.64	0.50%	
P-5	18"	83.37'	S-5	80.54	86+31.1, 65.3 RT	80.12	0.50%	SPILLWAY
P-6	18"	77.74'	S-6	84.58	S-5	81.64	3.78%	
P-7	18"	74.57'	S-7	90.30	S-8	88.47	2.45%	
P-8	18"	130.58'	S-8	88.37	S-9A	87.81	0.43%	
P-9	18"	58.83'	S-9	90.50	S-9A	87.81	4.57%	
P-9A	18"	32.00'	S-9A	87.71	91+52.7, 51.1 LT	85.79	6.00%	SPILLWAY
P-10	18"	48.00'	S-10	86.54	93+00.0, 68.4 LT	85.10	3.00%	SPILLWAY
P-11	18"	163.80'	S-11	83.26	S-21	77.62	3.44%	
P-20	18"	39.12'	S-21	77.62	S-20	77.42	0.50%	
P-21	18"	172.70'	S-20	77.32	S-23	72.93	2.54%	
P-22	18"	12.00'	S-22	74.97	S-23	72.93	17.00%	
P-23	18"	39.13'	S-24	74.65	S-23	72.93	4.40%	
P-24	18"	166.12'	S-23	72.83	S-25	71.05	1.07%	
P-25	18"	82.99'	S-25	70.95	99+65.0, 63.5 LT	70.33	0.75%	SPILLWAY
P-26	18"	14.00'	S-26	72.40	S-25	71.05	9.64%	
P-27	18"	155.98'	S-27	72.29	S-25	71.05	0.79%	
P-28	18"	14.00'	S-28	73.75	S-27	72.39	9.72%	
P-32	18"	14.01'	S-32	73.67	S-33	72.51	8.28%	
P-33	18"	115.42'	S-33	72.41	S-35	70.05	2.04%	
P-34	18"	15.58'	S-34	71.33	S-35	70.05	8.21%	
P-35	18"	100.52'	S-35	69.95	105+16.6, 78.9 LT	64.37	5.55%	SPILLWAY
P-40	18"	150.77'	S-40	67.80	S-41	64.60	2.12%	
P-41	18"	44.88'	S-41	64.50	S-42	64.28	0.49%	
P-42	18"	57.57'	S-42	64.18	S-50	63.89	0.50%	


603(21) PIPE - LINEAR FOOT

PIPE NO.	SIZE	LENGTH	INLET STRUCTURE	INLET INVERT	OUTLET STRUCTURE	OUTLET INVERT	SLOPE	REMARKS
P-43	18"	13.03'	S-43	64.87	S-41	64.77	0.77%	
P-44	18"	12.73'	S-44	64.51	S-42	64.45	0.47%	
P-45	18"	11.33'	S-45	64.85	S-50	64.50	3.09%	
P-50	18"	102.76'	S-50	63.77	S-52	63.26	0.50%	
P-51	18"	11.33'	S-51	64.51	S-52	64.18	2.91%	
P-52	18"	107.14'	S-52	63.16	S-55	62.62	0.50%	
P-53	18"	11.33'	S-53	63.96	S-55	63.54	3.71%	
P-54	18"	37.13'	S-54	64.68	S-55	63.54	3.07%	
P-55	18"	84.22'	S-55	62.52	S-56	62.10	0.50%	
P-56	18"	86.72'	S-56	62.00	S-59	61.57	0.50%	
P-57	18"	11.33'	S-57	62.04	S-59	61.98	0.50%	
P-58	18"	37.33'	S-58	62.75	S-59	61.98	2.06%	
P-59	18"	69.65'	S-59	61.50	S-61	60.49	1.45%	
P-60	18"	11.33'	S-60	60.69	S-61	60.49	1.73%	
P-61	18"	81.29'	S-61	60.39	S-72	58.65	2.15%	
P-71	18"	11.33'	S-71	58.71	S-72	58.65	0.50%	
P-72	18"	42.46'	S-72	58.55	S-75	57.41	2.68%	
P-73	18"	11.33'	S-73	57.47	S-75	57.41	0.50%	
P-74	18"	37.33'	S-74	58.18	S-75	57.41	2.06%	
P-75	18"	116.35'	S-75	57.31	S-82	54.32	2.57%	
P-80	18"	8.18'	S-80	55.07	S-82	54.32	9.17%	
P-81	18"	30.49'	S-81	54.47	S-82	54.32	0.50%	
P-82	18"	92.84'	S-82	54.22	S-85	51.67	2.75%	
P-83	18"	36.32'	S-83	53.02	S-84	51.83	3.28%	
P-84	18"	11.33'	S-84	51.73	S-85	51.67	0.50%	
P-85	18"	57.49'	S-85	51.57	117+22.0, 19.5 RT	50.58	1.73%	
P-86	18"	10.28'	S-86	49.62	EXISTING	49.52	1.00%	
P-87	12"	61.76'	S-87	48.60	116+87.3, 62.6 LT	33.92	23.77%	

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION																		
		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE																		
DESIGNED BY: C. HAKARI		SUMMARY TABLES																		
DRAWN BY: C. HAKARI																				
Friday, September 30, 2016 11:54:26 AM																				
TAB: D3																				
<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		REVISIONS			NO.	DATE	DESCRIPTION										PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
REVISIONS																				
NO.	DATE	DESCRIPTION																		
		0933039/Z684710000	2016	D3	145															

603(21) PIPE - LINEAR FOOT

PIPE NO.	SIZE	LENGTH	INLET STRUCTURE	INLET INVERT	OUTLET STRUCTURE	OUTLET INVERT	SLOPE	REMARKS
P-90	18"	51.85'	124+63.5, 25.5 RT	42.50	S-90	42.24	0.50%	CONNECT TO EXISTING 18" STORM DRAIN
P-91	18"	22.83'	S-90	41.85	S-91	41.74	0.50%	
P-92	18"	65.30'	S-91	41.67	S-92	41.34	0.50%	
P-93	8"	68.03'	EXISTING	50.00	S-94	41.35	12.72%	
P-94	18"	27.28'	S-93	41.39	S-94	41.25	0.50%	
P-95	18"	7.80'	S-94	41.25	S-95	41.21	0.50%	
P-96	18"	21.83'	S-95	41.11	S-92	41.00	0.50%	
P-100	18"	130.66'	S-92	41.00	S-100	40.35	0.50%	
P-101	18"	22.83'	S-101	40.59	S-100	40.35	1.05%	
P-102	18"	124.42'	S-100	40.25	S-102	39.63	0.50%	
P-103	18"	22.90'	S-103	41.61	S-102	41.20	1.79%	
P-104	18"	22.91'	S-104	40.95	S-102	40.83	0.50%	
P-105	18"	90.09'	S-102	39.61	S-105	39.07	0.59%	
P-106	18"	17.14'	S-105	38.97	129+35.0, 44.4 RT	38.88	0.50%	
P-110	18"	59.62'	S-111	41.09	129+76.5, 55.7 LT	40.20	1.50%	
P-111	18"	11.02'	130+39.3, 37.7 RT	43.69	S-111	41.55	19.39%	
P-113	18"	85.48'	S-113	41.68	S-111	41.23	0.53%	
P-114	18"	49.33'	S-114	44.21	S-113	41.82	4.84%	
P-115	18"	9.33'	S-115	44.42	S-114	44.35	0.74%	
P-116	18"	42.82'	S-116	41.99	S-113	41.78	0.50%	
P-117	18"	9.33'	S-117	42.14	S-116	42.08	0.59%	
P-118	18"	139.23'	S-119	44.07	131+75.0, 36.5 LT	42.19	1.35%	
P-119	18"	9.34'	S-119	44.20	S-118	44.32	-1.30%	
P-120	18"	68.25'	S-120	44.08	130+35.0, 41.4 RT	43.74	0.50%	
P-130	18"	26.08'	S-130	44.75	S-131	44.25	1.92%	
P-131	18"	21.74'	S-131	44.15	S-132	44.04	0.50%	CONNECT TO EXISTING 18" STORM DRAIN
P-132	18"	8.17'	133+52.8, 39.2 RT	44.62	S-132	44.56	0.67%	
P-133	24"	65.87'	S-132	43.94	S-133	43.61	0.50%	


603(21) PIPE - LINEAR FOOT

PIPE NO.	SIZE	LENGTH	INLET STRUCTURE	INLET INVERT	OUTLET STRUCTURE	OUTLET INVERT	SLOPE	REMARKS
P-134	18"	25.60'	S-134	44.90	S-133	44.77	0.50%	
P-135	18"	9.33'	S-135	45.33	S-134	45.28	0.50%	
P-136	18"	110.21'	S-136	45.55	S-134	45.00	0.50%	
P-137	18"	9.13'	S-137	45.70	S-136	45.65	0.50%	
P-140	24"	64.86'	S-133	40.38	S-140	40.05	0.51%	
P-141	18"	47.20'	S-141	44.40	S-140	44.16	0.50%	
P-142	18"	8.00'	S-142	45.46	S-141	45.35	1.38%	
P-143	18"	212.97'	S-143	47.66	S-141	44.55	1.46%	
P-144	18"	91.45'	S-144	49.41	S-143	47.76	1.80%	
P-145	18"	49.77'	S-145	51.52	S-144	49.51	4.04%	
P-150	18"	10.23'	S-150	54.48	S-152	53.01	14.37%	
P-151	24"	58.59'	S-152	52.48	S-151	51.02	2.50%	
P-152	18"	74.75'	S-154	53.80	S-152	52.63	1.57%	
P-153	18"	8.35'	S-153	54.88	S-154	54.13	8.98%	
P-154	18"	35.81'	S-156	54.29	S-154	53.90	1.09%	
P-155	18"	8.33'	S-155	55.79	S-156	54.73	12.72%	
P-156	18"	82.07'	EXISTING	57.00	S-156	54.39	3.19%	
P-157	18"	22.64'	1462.5, 49.3 RT	57.11	S-158	57.00	0.50%	
P-158	18"	16.43'	S-161	58.00	S-158	57.11	5.42%	
P-159	18"	9.75'	S-159	59.09	S-161	58.10	10.15%	
P-160	18"	48.78'	S-160	58.34	S-161	58.10	0.50%	
P-161	18"	156.79'	S-162	64.87	S-161	58.10	4.32%	
P-162	18"	74.11'	S-164	67.69	S-162	64.97	3.67%	
P-163	18"	41.51'	S-163	66.24	S-162	65.00	2.99%	
P-164	12"	17.17'	S-165	41.75	S-103	41.69	0.34%	
P-165	12"	12.67'	S-166	41.20	S-101	40.84	2.84%	
P-166	12"	59.76'	S-167	42.04	S-165	41.81	0.38%	
TOTAL:	603 (21-8) 8 INCH PIPE			68				
TOTAL:	603 (21-12) 12 INCH PIPE			90				
TOTAL:	603 (21-18) 18 INCH PIPE			5,444				
TOTAL:	603 (21-24) 24 INCH PIPE			238				

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: TB Date: 10/6/2016

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DESIGNED BY: C. HAKARI DRAWN BY: C. HAKARI		SUMMARY TABLES	
Friday, September 30, 2016 11:54:39 AM TAB: D4		PROJECT DESIGNATION 0933039/Z684710000	YEAR 2016
SHEET NO. D4	TOTAL SHEETS 145		

STORM DRAIN STRUCTURES - EACH							
STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	NORTHING	EASTING	RIM ELEVATION	TYPE OF CASTING
S-1	STORM SEWER MANHOLE TYPE I	82+86.32	27.50 LT	509292.72	487559.53	82.70	GCBI
S-2	INLET TYPE A *	83+32.64	28.12 RT	509364.54	487550.54	83.51	GCBI
S-3	INLET TYPE A *	85+38.78	22.31 LT	509433.30	487349.76	86.00	GCBI
S-4	INLET TYPE A	86+11.84	41.85 LT	509451.92	487279.38	84.50	BHIFG
S-5	STORM SEWER MANHOLE TYPE I	86+22.70	19.50 LT	509476.56	487280.33	87.01	GCBI
S-6	INLET TYPE A	87+05.79	19.50 LT	509509.05	487206.23	88.09	GCBI
S-7	INLET TYPE A *	89+88.46	45.85 RT	509621.41	486935.59	94.37	BHIFG
S-8	STORM SEWER MANHOLE TYPE I	90+27.41	19.50 LT	509554.59	486898.54	91.97	Standard
S-9	INLET TYPE A	91+65.38	39.63 RT	509591.15	486751.50	0.00	BHIFG
S-9A	STORM SEWER MANHOLE TYPE I	91+65.38	19.50 LT	509533.80	486765.91	91.66	Standard
S-10	INLET TYPE A *	93+00.00	19.50 LT	509490.77	486642.19	90.04	GCBI
S-11	INLET TYPE A *	94+50.00	19.50 LT	509426.26	486507.29	86.76	GCBI
S-20	INLET TYPE A	96+16.51	21.29 RT	509390.99	486339.53	81.08	GCBI
S-21	INLET TYPE A *	96+16.47	19.50 LT	509354.23	486357.21	81.12	GCBI
S-22	CONCRETE HEADWALL	97+90.99	31.50 RT	509325.13	486178.42	76.97	TRASH RACK
S-23	STORM SEWER MANHOLE TYPE I *	97+90.99	19.50 RT	509314.19	486183.36	76.43	GCBI
S-24	INLET TYPE A *	97+90.98	19.63 LT	509278.54	486199.48	78.15	GCBI
S-25	STORM SEWER MANHOLE TYPE I	99+65.00	19.50 RT	509273.92	486022.19	74.86	GCBI
S-26	CONCRETE HEADWALL	99+65.00	33.50 RT	509287.90	486021.28	74.40	TRASH RACK
S-27	INLET TYPE A	101+28.29	19.50 RT	509289.95	485867.03	76.19	GCBI
S-28	CONCRETE HEADWALL	101+28.29	33.50 RT	509303.44	485870.78	75.75	TRASH RACK
S-32	CONCRETE HEADWALL	103+68.32	33.50 RT	509413.09	485678.69	75.67	TRASH RACK
S-33	INLET TYPE A	103+67.51	19.50 RT	509402.46	485669.56	76.13	GCBI
S-34	CONCRETE HEADWALL	104+79.05	33.50 RT	509492.39	485613.19	73.33	TRASH RACK
S-35	STORM SEWER MANHOLE TYPE I	104+90.00	19.50 RT	509493.63	485595.82	73.51	GCBI
S-40	INLET TYPE A	105+86.65	19.50 RT	509576.86	485555.19	71.30	GCBI
S-41	INLET TYPE A *	107+45.87	19.49 RT	509726.24	485526.41	69.06	GCBI
S-42	INLET TYPE A	107+94.04	19.50 RT	509772.45	485527.50	68.82	GCBI
S-43	INLET TYPE A	107+45.82	32.52 RT	509726.54	485539.43	67.62	BHIFG
S-44	INLET TYPE A	107+94.04	32.49 RT	509771.50	485540.46	67.36	BHIFG

STORM DRAIN STRUCTURES - EACH							
STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	NORTHING	EASTING	RIM ELEVATION	TYPE OF CASTING
S-45	INLET TYPE A	108+55.49	32.50 RT	509830.52	485547.58	67.60	BHIFG
S-50	INLET TYPE A	108+55.49	19.50 RT	509832.26	485534.70	69.06	GCBI
S-51	INLET TYPE A	109+60.91	32.50 RT	509934.99	485561.70	67.26	BHIFG
S-52	INLET TYPE A	109+60.91	19.50 RT	509936.74	485548.82	68.73	GCBI
S-53	INLET TYPE A	110+70.72	32.50 RT	510043.81	485576.40	66.71	BHIFG
S-54	INLET TYPE A *	110+70.72	19.29 LT	510050.74	485525.07	68.18	GCBI
S-55	INLET TYPE A	110+70.72	19.50 RT	510045.55	485563.52	68.18	GCBI
S-56	STORM SEWER MANHOLE TYPE I	111+58.00	15.25 RT	510132.62	485570.99	67.54	MHFL
S-57	INLET TYPE A	112+47.79	32.50 RT	510219.28	485600.11	64.79	BHIFG
S-58	INLET TYPE A *	112+47.79	19.50 LT	510226.24	485548.57	66.25	GCBI
S-59	INLET TYPE A	112+47.79	19.50 RT	510221.02	485587.22	66.25	GCBI
S-60	INLET TYPE A	113+20.11	32.50 RT	510290.95	485609.79	63.44	BHIFG
S-61	INLET TYPE A	113+20.11	19.50 RT	510292.69	485596.91	64.90	GCBI
S-71	INLET TYPE A	114+04.13	32.50 RT	510374.22	485621.04	61.46	BHIFG
S-72	INLET TYPE A	114+04.13	19.50 RT	510375.96	485608.16	62.92	GCBI
S-73	INLET TYPE A	114+49.26	32.50 RT	510418.94	485627.08	60.22	BHIFG
S-74	INLET TYPE A *	114+49.26	19.50 LT	510425.90	485575.55	61.68	GCBI
S-75	INLET TYPE A	114+49.26	19.50 RT	510420.68	485614.20	61.68	GCBI
S-80	INLET TYPE A	115+68.62	24.50 RT	510538.30	485635.13	58.57	GCBI
S-81	INLET TYPE A *	115+68.62	19.50 LT	510544.19	485591.53	57.97	GCBI
S-82	STORM SEWER MANHOLE TYPE I	115+68.62	13.66 RT	510539.75	485624.39	58.48	MHFL
S-83	INLET TYPE A	116+25.55	32.50 RT	510594.13	485650.57	55.77	BHIFG
S-84	INLET TYPE A	116+63.81	32.50 RT	510632.89	485654.80	54.58	BHIFG
S-85	INLET TYPE A	116+63.81	19.50 RT	510634.15	485641.87	55.76	GCBI
S-86	INLET TYPE A	117+23.97	32.52 RT	510694.00	485659.71	52.37	BHIFG
S-87	INLET TYPE A	117+36.91	22.67 LT	510710.17	485605.37	52.10	GCBI
S-90	INLET TYPE A *	125+16.70	25.50 RT	511270.16	485237.49	45.35	GCBI
S-91	STORM SEWER MANHOLE TYPE I	125+16.70	0.00	511248.47	485224.09	45.84	MHFL
S-92	STORM SEWER MANHOLE TYPE I	125+85.67	0.00	511284.71	485165.41	45.20	MHFL
S-93	INLET TYPE A <i>ZERO SLUMP</i>	126+18.42	35.42 RT	511332.05	485156.16	44.54	BHIFG

CASTING ACRONYMS:
 FIGG = FIELD INLET FRAME AND GRATE
 BHIFG = BEE HIVE INLET FRAME AND GRATE
 GCBI = GRATE AND CURB BOX INLET
 HCGCBI = HIGH CAPACITY GRATE AND CURB BOX INLET
 MHFL = MANHOLE FRAME AND LID


NOTES:

- LOCAL DEPRESSION NOT INCLUDED IN RIM ELEVATIONS.
- BEEHIVE INLETS SHALL BE NEENAH FOUNDRY, R-2560-EB OR APPROVED EQUAL.
- CONSTRUCT CONCRETE HEADWALLS PER CBJ STANDARD DETAIL 104A.
- CONSTRUCT CONCRETE PAD PER CBJ STANDARD DETAIL 310 ON ALL FIGG AND BHIFG.
- (TBD) = TO BE DETERMINED IN THE FIELD.

* PROVIDE STRUCTURE WITH "ZERO SUMP".

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *IB* Date *11/4/2016*

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126366

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION	
CHECKED BY: S. KARI	GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE		
		SUMMARY TABLES	
DESIGNED BY: C. HAKARI	Friday, September 30, 2016 11:54:50 AM		
DRAWN BY: C. HAKARI	TAB: D5		
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	SHEET NO.
			TOTAL SHEETS
		0933039/Z684710000	2016
		D5	145

STORM DRAIN STRUCTURES - EACH							
STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	NORTHING	EASTING	RIM ELEVATION	TYPE OF CASTING
S-94	INLET TYPE A *	125+88.92	35.50 RT	511316.62	485181.30	44.69	BHIFG
S-95	STORM SEWER MANHOLE TYPE I *	125+85.67	25.50 RT	511306.41	485178.81	44.71	GCBI
S-100	STORM SEWER MANHOLE TYPE I	127+20.00	0.00	511355.30	485051.12	44.53	MHFL
S-101	INLET TYPE A *	127+20.00	25.50 RT	511376.99	485064.52	44.09	GCBI
S-102	STORM SEWER MANHOLE TYPE I	128+48.11	0.00	511421.52	484941.49	45.12	MHFL
S-103	INLET TYPE A *	128+46.24	25.50 RT	511443.22	484955.03	45.57	GCBI
S-104	INLET TYPE A	128+50.18	25.50 LT	511399.82	484927.94	43.73	GCBI
S-105	STORM SEWER MANHOLE TYPE I *	129+36.17	25.50 RT	511479.34	484867.68	46.26	GCBI
S-111	STORM SEWER MANHOLE TYPE I	130+35.00	25.50 LT	511448.95	484760.98	45.05	GCBI
S-113	INLET TYPE A	131+26.87	25.50 LT	511449.03	484674.07	45.71	GCBI
S-114	INLET TYPE A *	131+26.87	25.50 RT	511499.80	484669.29	47.64	GCBI
S-115	INLET TYPE A *	131+26.88	36.49 RT	511510.75	484668.26	47.18	BHIFG
S-116	INLET TYPE A	131+75.00	25.50 LT	511442.52	484628.96	46.06	GCBI
S-117	INLET TYPE A	131+75.00	36.50 LT	511431.72	484631.07	45.56	BHIFG
S-118	INLET TYPE A *	133+20.75	25.50 LT	511400.27	484493.38	47.59	GCBI
S-119	INLET TYPE A	133+20.75	36.51 LT	511389.87	484497.00	47.12	BHIFG
S-120	INLET TYPE A *	130+99.30	36.50 RT	511512.69	484697.84	46.94	BHIFG
S-130	INLET TYPE A	133+09.24	45.39 RT	511471.01	484480.99	47.50	BHIFG
S-131	STORM SEWER MANHOLE TYPE I *	133+30.00	25.50 RT	511445.41	484467.91	47.75	GCBI
S-132	STORM SEWER MANHOLE TYPE I *	133+55.09	29.50 RT	511440.96	484442.90	48.28	MHFL
S-133	STORM SEWER MANHOLE TYPE I	134+24.25	22.31 RT	511411.47	484379.93	48.38	MHFL
S-134	INLET TYPE A *	134+52.85	25.50 RT	511405.10	484351.86	48.49	GCBI
S-135	INLET TYPE A *	134+52.85	36.50 RT	511415.49	484348.25	48.08	BHIFG
S-136	INLET TYPE A *	135+65.72	25.50 RT	511368.06	484245.24	49.37	GCBI
S-137	INLET TYPE A *	135+65.72	36.30 RT	511378.26	484241.70	48.97	BHIFG
S-140	STORM SEWER MANHOLE TYPE I	134+46.59	42.47 LT	511342.94	484380.09	48.15	FIFG
S-141	STORM SEWER MANHOLE TYPE I *	134+94.77	33.50 LT	511335.61	484331.63	48.96	GCBI
S-142	INLET TYPE A	134+94.77	25.50 LT	511343.17	484329.00	48.80	GCBI
S-143	INLET TYPE A	137+09.18	25.25 LT	511273.08	484126.65	51.26	GCBI
S-144	INLET TYPE A	138+06.23	25.50 LT	511236.04	484040.13	53.01	GCBI

STORM DRAIN STRUCTURES - EACH							
STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	NORTHING	EASTING	RIM ELEVATION	TYPE OF CASTING
S-145	INLET TYPE A	137+99.42	25.50 RT	511284.85	484023.86	55.02	GCBI
S-150	CONCRETE HEADWALL	138+63.91	38.57 RT	511265.01	483958.66	56.48	TRASH RACK
S-151	STORM SEWER MANHOLE TYPE I	139+01.36	25.50 LT	511190.68	483959.80	55.49	GCBI
S-152	STORM SEWER MANHOLE TYPE II	138+63.91	25.50 RT	511253.71	483965.22	56.51	GCBI
S-153	INLET TYPE A	139+41.48	35.52 RT	511219.97	483893.01	57.63	BHIFG
S-154	INLET TYPE A	139+41.48	25.50 RT	511211.59	483898.49	57.63	GCBI
S-155	INLET TYPE A *	139+80.02	35.50 RT	511198.88	483860.76	58.29	BHIFG
S-156	INLET TYPE A	139+79.96	25.50 RT	511190.54	483866.28	58.15	GCBI
S-158	STORM SEWER MANHOLE TYPE I	140+65.19	24.96 RT	511143.46	483795.23	61.38	MHFL
S-159	INLET TYPE A	140+84.49	36.40 RT	511142.49	483772.81	61.79	BHIFG
S-160	INLET TYPE A	140+86.14	25.43 LT	511089.82	483805.26	61.94	GCBI
S-161	INLET TYPE A	140+84.79	24.99 RT	511132.77	483778.80	61.90	GCBI
S-162	INLET TYPE A *	142+44.15	19.50 RT	511041.00	483648.40	68.47	GCBI
S-163	INLET TYPE A *	142+63.17	19.50 LT	510997.94	483653.81	69.74	GCBI
S-164	CONCRETE HEADWALL	143+19.21	31.09 RT	511010.09	483579.56	69.69	TRASH RACK
S-165	PRECAST TYPE A INLET	128+39.90	42.46 RT	511454.96	484969.01	44.87	Standard
S-166	PRECAST TYPE A INLET	127+20.00	39.57 RT	511388.97	485071.92	44.76	Standard
S-167	Precast Type A Inlet with Gutter Inlet Frame and Grate	127+20.00	40.62 RT	511421.98	485020.47	44.82	Standard
TOTAL:	604(1A) STORM SEWER MANHOLE, TYPE I	23					
TOTAL:	604(1B) STORM SEWER MANHOLE, TYPE II	1					
TOTAL:	604(5) INLET, TYPE A	76					
TOTAL:	515(1) CONCRETE HEADWALL	7					

CASTING ACRONYMS:

FIFG = FIELD INLET FRAME AND GRATE
 BHIFG = BEE HIVE INLET FRAME AND GRATE
 GCBI = GRATE AND CURB BOX INLET
 HCGCBI = HIGH CAPACITY GRATE AND CURB BOX INLET
 MHFL = MANHOLE FRAME AND LID

NOTES:

- LOCAL DEPRESSION NOT INCLUDED IN RIM ELEVATIONS.
- BEEHIVE INLETS SHALL BE NEENAH FOUNDRY, R-2560-EB OR APPROVED EQUAL.
- CONSTRUCT CONCRETE HEADWALLS PER CBJ STANDARD DETAIL 104A.
- CONSTRUCT CONCRETE PAD PER CBJ STANDARD DETAIL 310 ON ALL FIFG AND BHIFG.
- (TBD) = TO BE DETERMINED IN THE FIELD.

* PROVIDE STRUCTURE WITH "ZERO SUMP".

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/16/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION
DESIGNED BY: C. HAKARI	GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE
DRAWN BY: C. HAKARI	SUMMARY TABLES
Friday, September 30, 2016 11:54:59 AM	
TAB: D6	
REVISIONS	PROJECT DESIGNATION
NO. DATE DESCRIPTION	YEAR SHEET NO. TOTAL SHEETS
	0933039/Z684710000 2016 D6 145

604(2) SANITARY SEWER MANHOLE - EACH							
STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	NORTHING	EASTING	RIM ELEVATION	SUMP ELEVATION
SS-1	TYPE I	99+35.10	0.19' LT	509257.15	486053.25	76.04	65.58
TOTAL		1					

604(3) RECONSTRUCT EXISTING MANHOLE - EACH

STRUCTURE TYPE	STATION	OFFSET	EXISTING RIM ELEVATION	DESIGN RIM ELEVATION	REMARKS
SSFM MANHOLE	90+18.5	24.8 RT	92.93	1.3 94.24 16"	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS TOWARD CURB
WATER MANHOLE	90+34.7	33.4 RT	92.92	2.1 95.02 25"	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS AWAY FROM CURB
SS MANHOLE	100+00.5	14.4 LT	71.81	5.1 76.94 42"	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS TOWARD CENTER OF LANE <i>Removed</i>
SS MANHOLE	101+08.3	42.0 LT	70.25	4.9 75.21 60"	ADJUST TO GRADE WITH NEW BARREL SECTION(S)
SS MANHOLE	102+85.8	55.4 LT	70.01	2.5 72.57 31"	ADJUST TO GRADE WITH NEW BARREL SECTION(S)
SS MANHOLE	103+76.8	50.9 LT	69.82	8.2 78.02	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS AWAY FROM CURB
SS MANHOLE	104+80.3	28.2 LT	69.92	6.7 76.63	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS AWAY FROM CURB
SS MANHOLE	105+99.4	1.4 LT	69.69	2.5 72.23	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS TOWARDS CENTER OF LANE
SS MANHOLE	111+63.8	21.7 RT	67.33	1.7 67.80	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS TOWARDS CENTER OF SIDEWALK
SS MANHOLE	112+22.6	22.2 RT	66.92	1.9 67.03	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS TOWARDS CENTER OF SIDEWALK
SS MANHOLE	114+85.2	22.0 RT	60.64	2.3 60.87	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS TOWARDS CENTER OF SIDEWALK
SS MANHOLE	125+35.3	25.6 RT	46.26	1.2 45.04	ADJUST TO GRADE WITH NEW BARREL SECTION(S). ROTATE LID ACCESS AWAY FROM CURB
SS MANHOLE	128+94.3	30.0 RT	46.40	1.2 46.08	ADJUST TO GRADE WITH NEW BARREL SECTION(S)
SS MANHOLE	129+89.3	22.2 RT	46.95	1.2 46.53	ADJUST TO GRADE WITH NEW BARREL SECTION(S)
SS MANHOLE	131+88.5	14.9 RT	47.63	1.0 47.69	ADJUST TO GRADE WITH NEW BARREL SECTION(S)
SS MANHOLE	137+28.6	16.8 RT	53.16	1.8 52.98	ADJUST TO GRADE WITH NEW BARREL SECTION(S)
SS MANHOLE	138+76.9	21.5 RT	56.80	1.7 56.63	ADJUST TO GRADE WITH NEW BARREL SECTION(S)
TOTAL:				17	

604(4) - ADJUST EXISTING MANHOLES

STRUCTURE TYPE	STATION	OFFSET	RIM ELEVATION	REMARKS
SS MANHOLE	92+47.4	15.0 RT	92.53	ADJUST TO GRADE
SS MANHOLE	96+48.9	15.5 RT	80.13	ADJUST TO GRADE
SS MANHOLE	101+93.8	52.7 LT	71.94	ADJUST TO GRADE
SS MANHOLE	108+26.9	24.0 RT	69.38	ADJUST TO GRADE
SS MANHOLE	133+76.7	18.6 RT	48.09	ADJUST TO GRADE
TELEPHONE MANHOLE	138+94.0	36.0 RT	54.93	ADJUST TO GRADE
SS MANHOLE	140+42.1	20.5 RT	60.24	ADJUST TO GRADE
SS MANHOLE	142+97.7	17.6 RT	70.54	ADJUST TO GRADE
TOTAL			8	

605(3) 6 INCH PERFORATED PIPE UNDERDRAIN - LINEAR FOOT

FROM STATION	TO STATION	OFFSET	QUANTITY	REMARKS
106+25.00	107+47.85	RT	115	
107+96.09	108+53.57	RT	56	
108+57.40	109+60.91	RT	104	
110+00.25	110+68.80	RT	96	
111+11.24	112+45.87	RT	149	
112+84.29	113+18.19	RT	34	
113+32.70	114+02.21	RT	70	
114+06.05	114+33.32	RT	28	
116+27.43	116+61.93	RT	29	
116+93.86	117+38.26	RT	30	
TOTAL			711	

606(6) REMOVING AND DISPOSING OF GUARDRAIL - LINEAR FOOT

FROM STATION	TO STATION	OFFSET	QUANTITY	REMARKS
81+65	83+28	RT	177	
85+54	88+60	RT	562	
90+69	91+87	LT	326	
93+06	93+68	LT	63	
94+19	100+72	LT	700	
101+11	102+58	LT	197	
102+82	105+45	LT	313	
105+80	106+59	LT	90	
106+53	107+90	LT	146	
109+87	117+44	LT	758	
128+62	129+77	LT	115	INSTALL SALVAGED END TERMINAL AT 129+77, 35.5' LT.
TOTAL			3447	

604(6) RELOCATE INLET - EACH

EXISTING LOCATION		NEW LOCATION		RIM ELEVATION	REMARKS
STATION	OFFSET	STATION	OFFSET		
102+18.83	43.08' LT	102+18.78	56.80' LT.	80.15'	
TOTAL:		1			

606(9) CONTROLLED RELEASE TERMINAL (CRT) - EACH

BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	REMARKS
85+78	85.5 RT	85+97.5	38.5 RT	
TOTAL		1		

606(13) PARALLEL GUARDRAIL TERMINAL - EACH

BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	REMARKS
97+40	26.5 LT	97+78	26.5 LT	
103+02	38.5 LT	103+19	38.5 LT	
TOTAL		2		

606(16) TRANSITION RAIL - EACH

FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	REMARKS
86+32	38.5 RT	86+50	38.5 RT	
88+69	118.3 RT	87+72	107.9 RT	
106+70	26.5 LT	106+88	26.5 LT	
TOTAL		3		

606(1) W-BEAM GUARDRAIL - LINEAR FOOT

FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY	REMARKS
85+98	38.5 RT	86+32	38.5 RT	37	
90+69	136.0 LT	91+65	38.0 LT	313	TIE TO EXISTING AT BOTH ENDS
92+08	52.5 RT	95+81	59.9 RT	381	
97+78	26.5 LT	103+02	38.5 LT	563	
129+09	49.7 RT	129+31	32.5 RT	31	TIE TO EXISTING AT START
TOTAL				1325	


607(3) CHAIN LINK FENCE - LINEAR FOOT

FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	REMARKS
92+08	40.5 RT	95+80	31.6 RT	
TOTAL			416	

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: TB Date: 1/14/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION	
		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DESIGNED BY: B. PADDOCK		SUMMARY TABLES	
DRAWN BY: B. PADDOCK			
Monday, December 12, 2016 5:13:05 PM			
TAB: D7			
NO. DATE DESCRIPTION		PROJECT DESIGNATION	YEAR SHEET NO. TOTAL SHEETS
1	12/12/16	ADDED ITEM 607(3)	0933039/Z684710000 2016 D7 145

608(1A) CONCRETE SIDEWALK, 4 INCHES THICK - SQUARE YARD

BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
128+21.49	0.00'	128+32.12	2.62' LT	7.7	SIDEWALK ISLAND
128+41.19	2.61' RT	128+52.07	0.00'	7.9	SIDEWALK ISLAND
139+39.97	2.00' RT	140+05.42	0.00'	53.7	CENTER TURN MEDIAN
TOTAL				69	

608(1B) CONCRETE SIDEWALK, 6 INCHES THICK - SQUARE YARD

START		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
84+25.20	20.50' LT	84+32.70	20.50' LT	5.0	
84+99.07	42.10' RT	85+14.44	44.41' RT	14.0	
85+57.47	50.42' RT	85+67.75	38.83' RT	10.0	
88+68.33	20.50' LT	88+76.05	21.00' LT	5.0	
89+01.66	32.50' RT	89+08.85	32.50' RT	6.0	
90+04.02	32.50' RT	90+11.16	32.50' RT	5.0	
90+18.10	20.50' LT	90+25.87	20.50' LT	5.0	
91+49.44	32.50' RT	91+86.57	32.50' RT	26.0	
103+25.22	34.43' LT	103+36.71	46.00' LT	16.0	
103+73.76	42.38' LT	103+86.19	37.10' LT	9.0	
105+43.65	20.50' LT	105+71.34	20.50' LT	20.0	
105+88.22	20.50' RT	106+25.16	20.50' RT	10.0	
107+48.18	20.50' RT	107+85.17	20.50' RT	24.0	
108+18.72	20.50' RT	108+53.99	20.50' RT	24.0	
109+12.97	20.50' LT	109+61.97	20.50' LT	33.0	
109+62.41	20.50' RT	109+97.41	20.50' RT	24.0	
110+72.22	20.50' RT	111+07.22	20.50' RT	24.0	
112+49.87	20.50' RT	112+78.87	20.50' RT	20.0	
114+67.40	20.50' RT	114+96.99	20.50' RT	20.0	
116+65.29	20.50' RT	116+93.86	20.50' RT	20.0	
117+35.21	29.61' LT	117+55.79	42.65' LT	16.0	
125+87.17	26.50' RT	126+22.17	26.50' RT	24.0	
128+26.03	26.50' RT	128+44.81	26.50' RT	14.0	
128+27.23	26.50' LT	128+48.60	26.50' LT	14.0	
128+62.16	37.47' RT	128+71.70	51.81' RT	13.0	
129+07.65	41.21' RT	129+19.27	36.30' RT	9.0	
130+60.99	26.50' RT	130+90.10	26.50' RT	21.0	
132+20.02	26.50' RT	132+67.50	26.50' RT	33.0	
132+65.55	26.50' LT	133+14.55	26.50' LT	33.0	
134+02.35	26.50' RT	134+51.35	26.50' RT	33.0	
134+44.27	26.50' LT	134+93.27	26.50' LT	33.0	
135+79.35	26.50' RT	136+28.35	26.50' RT	33.0	
136+58.34	26.50' LT	137+07.64	26.50' LT	33.0	
137+60.34	26.50' RT	137+97.96	26.50' RT	26.0	
137+68.35	26.50' LT	138+04.68	26.50' LT	24.0	
140+16.85	33.31' RT	140+30.65	38.90' RT	10.0	
140+47.43	26.50' LT	140+80.43	26.50' LT	22.0	
140+59.53	45.75' RT	140+76.81	33.36' RT	13.0	
142+32.67	20.50' LT	142+61.67	20.50' LT	20.0	
142+57.67	29.11' RT	142+74.03	48.64' RT	15.0	
142+72.60	20.50' LT	142+96.47	20.50' LT	16.0	
TOTAL				775	

608(3) ASPHALT SIDEWALK - SQUARE YARD

BEGIN		END		QUANTITY	DESCRIPTION
STATION	OFFSET	STATION	OFFSET		
82+76	25.1' RT	85+04	33.2' RT	253.4	ASPHALT SIDEWALK
84+38	20.5' LT	88+68	20.5' LT	280.3	ASPHALT SIDEWALK
84+94	28.6' RT	85+87	30.5' RT	433.2	AUKE LAKE WAYSIDE DRIVEWAY
85+55	57.0' RT	89+02	32.5' RT	265.0	ASPHALT SIDEWALK
90+11	32.5' RT	91+49	32.5' RT	100.3	ASPHALT SIDEWALK
90+26	20.5' LT	103+28	29.3' LT	883.0	ASPHALT SIDEWALK
91+57	38.5' RT	91+79	38.6' RT	370.2	UAS MAINTENANCE DRIVEWAY
91+87	32.5' RT	105+88	20.5' RT	905.0	ASPHALT SIDEWALK
101+41	73.4' LT	103+36	53.0' LT	144.0	ASPHALT SIDEWALK
103+19	24.5' LT	104+01	24.0' LT	1008.0	UAS-USCG DRIVEWAY
103+83	32.1' LT	105+44	20.5' LT	116.3	ASPHALT SIDEWALK
105+51	26.5' LT	105+64	26.5' LT	16.6	DRIVEWAY
105+71	20.5' LT	109+13	20.5' LT	245.9	ASPHALT SIDEWALK
105+96	26.5' RT	106+17	26.5' RT	16.6	DRIVEWAY
106+25	20.5' RT	107+48	20.5' RT	78.0	ASPHALT SIDEWALK
107+56	26.5' RT	107+77	26.5' RT	27.6	DRIVEWAY
107+85	20.5' RT	108+19	20.5' RT	21.3	ASPHALT SIDEWALK
108+26	26.5' RT	108+46	26.5' RT	30.6	DRIVEWAY
108+54	20.5' RT	109+62	20.5' RT	72.3	ASPHALT SIDEWALK
109+20	26.5' LT	109+54	26.5' LT	51.1	DRIVEWAY
109+62	20.5' LT	117+38	24.2' LT	516.2	ASPHALT SIDEWALK
109+97	20.5' RT	110+72	20.5' RT	49.9	ASPHALT SIDEWALK
110+80	26.5' RT	111+00	26.6' RT	20.6	DRIVEWAY
111+07	20.5' RT	112+50	20.5' RT	95.1	ASPHALT SIDEWALK
112+57	26.5' RT	112+71	26.5' RT	89.9	DRIVEWAY
112+79	20.5' RT	114+67	20.5' RT	125.7	ASPHALT SIDEWALK
114+75	26.5' RT	114+89	26.5' RT	17.7	DRIVEWAY
114+97	20.5' RT	116+65	20.5' RT	117.8	ASPHALT SIDEWALK
116+73	26.5' RT	116+86	26.5' RT	97.9	DRIVEWAY
116+77	45.4' LT	117+47	38.9' LT	57.0	ASPHALT SIDEWALK
116+84	20.5' RT	117+60	20.5' RT	44.3	ASPHALT SIDEWALK
124+53	26.6' RT	142+60	24.6' RT	968.8	ASPHALT SIDEWALK
125+20	46.1' RT	126+36	54.0' RT	732.4	UAS BOOKSTORE PARKING LOT
126+22	26.5' RT	128+66	34.0' RT	424.7	SQUIRES REST BLDG SIDEWALK & APPROACH
128+49	24.5' RT	129+30	24.6' RT	153.7	AUKE BAY SCHOOL DRIVEWAY
129+82	32.5' LT	130+18	32.5' LT	125.7	TREATMENT PLANT PARKING LOT
130+68	32.5' RT	130+83	32.5' RT	18.1	DRIVEWAY
132+27	32.5' RT	132+60	32.5' RT	28.0	DRIVEWAY
132+30	45.5' LT	133+07	32.5' LT	305.0	PARKING LOT
133+70	34.5' LT	137+00	32.5' LT	487.3	DRIVEWAYS
134+10	32.5' RT	134+44	32.5' RT	28.0	DRIVEWAY
135+87	32.5' RT	136+21	32.5' RT	28.2	DRIVEWAY
137+68	32.5' RT	137+91	32.5' RT	20.9	DRIVEWAY
137+76	32.5' LT	137+97	32.5' LT	6.4	DRIVEWAY
140+55	32.5' LT	140+73	32.5' LT	15.0	DRIVEWAY
142+40	26.5' LT	142+54	26.5' LT	25.0	DRIVEWAY
142+80	26.5' LT	142+96	26.5' LT	24.4	DRIVEWAY
TOTAL				9942	

614(2) CONCRETE BARRIER FOR TOP OF WALLS - LINEAR FOOT

BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
86+50.00	38.50' RT	88+81.93	107.89' RT	385	Wall 2
106+87.94	26.5' LT	107+94.28	28.5' LT	113	WALL 8
138+00.00	32.5' LT	139+20.40	33.0' LT	116	WALL 13
TOTAL				614	

615(2) REMOVE AND RELOCATE EXISTING SIGN - LUMP SUM

EXISTING LOCATION		NEW LOCATION		REMARKS
STATION	OFFSET	STATION	OFFSET	
125+19.18	40.84 RT	125+06.71	40.78 RT	REPLACE IN SAME LOCATION ON NEW FOUNDATION

608(6) CURB RAMP - EACH

STATION	OFFSET	TYPE	REMARKS
85+12.91	47.31' RT	PARALLEL	
85+61.99	49.83' RT	PERPENDICULAR	
88+85.53	23.00' LT	UNIDIRECTIONAL	
89+19.24	35.18' RT	UNIDIRECTIONAL	
89+96.96	34.84' RT	UNIDIRECTIONAL	
90+09.44	22.91' LT	UNIDIRECTIONAL	
103+35.73	39.39' LT	PARALLEL	
103+77.43	37.29' LT	PARALLEL	
117+53.86	38.88' LT	HYBRID	
128+35.42	26.50' RT	PARALLEL	
128+35.42	5.49' RT	PARALLEL	
128+37.92	5.50' LT	PARALLEL	
128+70.68	43.49' RT	PARALLEL	
129+09.12	38.76' RT	PARALLEL	
140+29.14	35.94' RT	PARALLEL	
140+64.67	35.59' RT	PARALLEL	
142+69.19	32.93' RT	PARALLEL	
TOTAL		17	

609(2) CURB AND GUTTER, TYPE I - LINEAR FOOT

FROM STATION	OFFSET	TO STATION	OFFSET	QUANTITY	REMARKS
83+11.46	23.56 RT	85+15.56	55.86 RT	222	
84+25.20	20.50 LT	88+96.39	27.42 LT	464	
85+53.24	66.84 RT	88+24.92	39.86 RT	830	
89+88.42	40.23 RT	117+59.57	20.36 RT	3330	
89+99.56	27.53 LT	101+40.54	73.43 LT	1605	
103+70.44	51.60 LT	117+55.79	42.65 LT	1572	
124+53.36	28.50 RT	128+71.55	56.58 RT	481	
128+21.49	0.00 RT	128+52.07	0.00 RT	62	ISLANDS
128+27.23	26.50 LT	142+96.47	20.50 LT	1440	
129+04.31	53.19 RT	140+31.62	51.07 RT	1220	
133+70.00	32.50 LT	136+65.84	32.50 LT	296	
139+40.01	2.42 RT	140+05.42	0.00 RT	138	ISLAND
140+61.11	41.79 RT	142+74.03	48.64 RT	240	
83+06.00	20.50 LT	85+25.20	20.50 LT	119	VALLEY GUTTER
TOTAL				12,019	

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: TB Date: 1/6/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE
DESIGNED BY: B. PADDOCK DRAWN BY: B. PADDOCK	SUMMARY TABLES
Monday, December 12, 2016 5:13:19 PM TAB: D8	
NO. DATE REVISIONS DESCRIPTION	PROJECT DESIGNATION YEAR SHEET NO. TOTAL SHEETS
12/12/16 608(1A) TO THIS SHEET	0933039/Z684710000 2016 D8 145

615(6) SALVAGE SIGN - EACH			
STATION	OFFSET	QUANTITY	REMARKS
81+00.00	RT	2	R2-1
83+08.60	22.89	1	R7P-101
84+45.41	32.84	1	PARKING LOT SIGN
85+00.05	-25.72	1	R7P-101
85+81.96	21.92	1	D3-2C
86+37.41	20.24	1	W2-1
87+79.37	19.06	1	R7P-101
89+20.94	43.73	2	R1-1, D3-1
89+75.00	RT	2	R1-1, D3-1
91+49.87	-38.06	1	W2-1
91+68.03	24.54	1	R1-1
91+81.43	-48.11	1	BUS STOP
93+75.08	27.13	1	W1-2
93+85.08	27.13	1	BUS STOP
93+99.05	-28.44	1	D3-2C
95+56.01	25.59	2	W1-2, W13-1
100+50.00	LT	2	W1-8
101+26.34	-87.69	2	W1-8
101+50.88	-89.07	1	R7P-101
102+09.39	-92.45	1	R7P-101
102+14.85	-95.49	2	W1-8
102+44.27	-99.6	1	R1-1
102+59.21	-43.97	1	R7P-101
103+04.77	-99.07	2	W1-8
103+85.73	-93.13	1	R7P-101
103+94.07	-89.7	2	W1-8
104+80.09	-72.83	2	W1-8
105+21.53	-64.32	1	R7P-101
105+87.14	-51.98	2	W1-8
106+84.20	-33.23	2	W1-8
106+10.24	-43.25	1	R7P-101
105+97.52	6.98	1	CBJ SEWER SIGN
107+80.26	-23.93	1	R7P-101
107+95.71	33.99	1	R7P-101

615(6) SALVAGE SIGN - EACH			
STATION	OFFSET	QUANTITY	REMARKS
109+90.38	-23.04	1	R7P-101
110+40.06	28.46	1	R7P-101
111+14.58	-22.04	1	W1-2
112+84.34	39.02	1	PRIVATE WOODEN SIGN
112+99.88	29.59	1	W1-2
114+14.03	-23.04	1	R2-1
114+16.51	29.08	1	R2-1
114+90.00	RT	1	D10-2
115+00.00	RT	2	FERRY, ARROW
115+95.67	28.56	1	D3-2
124+93.47	40.23	1	DO NOT ENTER
125+13.68	-19.41	1	D3-2
125+69.88	-20.65	1	W1-2
126+30.00	RT	1	R7P-101
126+70.00	RT	1	R7P-101
127+50.00	RT	1	R7P-101
128+50.00	RT	1	R7P-101
128+60.00	RT	1	S1-1
128+79.49	-21.64	2	ADOPT A HIGHWAY SIGNS
129+10.31	45.97	1	R1-1
129+36.00	-19.06	1	R7P-101
129+59.99	33.16	1	W11-8
130+23.57	34.55	2	ADOPT A HIGHWAY SIGNS
131+84.51	-28.04	1	S1-1
132+85.00	RT	1	FIRE STATION SIGN
132+90.72	29.35	2	R7P-101
133+30.40	-23.25	1	W1-2
135+90.00	LT	1	S1-1
138+66.43	31.25	2	R7P-101
140+69.06	36.9	2	R1-1, D3-1
141+53.41	-22.77	1	R7P-101
143+11.30	35.74	2	R1-1, D3-1
TOTAL		85	

626(3) TEMPORARY SANITARY SEWER FORCE MAIN RELOCATION - LUMP SUM				
START		END		REMARKS
STATION	OFFSET	STATION	OFFSET	
86+50	11' RT	90+16	23' RT	APPROXIMATE LIMITS OF RELOCATION
TOTAL:		3		

627(4) FIRE HYDRANT ADJUSTMENT - EACH				
STATION	OFFSET	REMARKS		
110+75	29.8' RT			
116+35	26.9' RT			
133+00	39.2' RT			
TOTAL:	3			

627(6) FIRE HYDRANT RELOCATION - EACH				
EXISTING		PROPOSED		REMARKS
STATION	OFFSET	STATION	OFFSET	
91+31	43.1' RT	91+33	41.5' RT	
104+95	11.3' LT	104+95	32.9' LT	
140+43	29.0' LT	140+43	34.5' LT	
TOTAL:	3			

627(10) ADJUSTMENT OF VALVE BOX - EACH		
STATION	OFFSET	REMARKS
83+36	21.51' LT	
91+29	22.88' RT	
91+33	26.06' RT	
91+32	26.98' RT	
91+42	37.73' RT	
91+33	41.46' RT	
104+92	11.6' LT	
105+46	6.81' RT	
108+21	18.58' LT	
108+23	20.59' LT	
110+75	26.34' RT	
110+75	12.24' LT	
111+03	38.11' RT	
116+35	10.64' LT	
116+35	23.35' RT	
126+06	30.99' LT	
128+59	14.74' LT	
128+62	15.60' LT	
133+11	27.72' LT	
133+12	32.85' LT	
132+99	31.96' RT	
133+03	32.11' RT	
133+01	35.57' RT	
136+25	12.84' LT	
140+43	25.71' LT	
106+37	37.75' RT	SANITARY SEWER CLEAN OUT
141+64	26.98' LT	SANITARY SEWER CLEAN OUT
TOTAL:	27	

627(9) INSTALL 12 INCH GATE VALVE - EACH			
PROPOSED		REMARKS	
STATION	OFFSET		
103+10	97' LT	3 EACH	
TOTAL	3		

627(11-20) 20 INCH HDPE WATER CONDUIT - LINEAR FOOT					
START		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
89+14	27' LT	89+93	31' RT	98.0	
91+30	24' RT	103+10	97' LT	1276.0	
TOTAL				1374	

627(12) INSTALL 16 INCH BUTTERFLY VALVE - EACH			
PROPOSED		REMARKS	
STATION	OFFSET		
89+14	27' LT		
89+93	31' RT		
91+30	24' RT	3 EACH	
TOTAL	5		

625(1A) PIPE HAND RAIL, TYPE A - LINEAR FOOT					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
90+37.45	38.1' LT	91+44.35	43.8' LT	186	WALL 3
93+48.00	27.5' LT	97+40.00	27.5' LT	392	
110+74.00	26.5' LT	117+03.99	29.3' LT	629	WALL 9
128+54.27	33.5' LT	129+81.95	33.5' LT	119	
129+31.10	32.5' RT	130+08.00	32.5' RT	77	WALL 12
TOTAL				1,403	

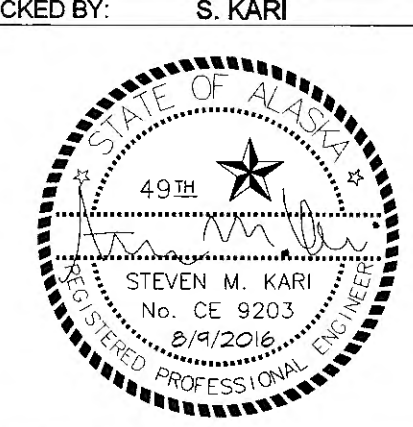
625(1B) PIPE HAND RAIL, TYPE B - LINEAR FOOT					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
86+50.00	38.5' RT	△ 88+81.93	△ 107.88' RT	382	WALL 2 BARRIER
106+87.94	26.5' LT	107+94.28	28.5' LT	113	WALL 8 BARRIER
138+00.00	32.5' LT	139+20.40	33.0' LT	116	WALL 13 BARRIER
TOTAL				611	

626(1) SANITARY SEWER CONDUIT, 8 INCH - LINEAR FOOT								
PIPE NO.	SIZE	LENGTH	INLET STRUCTURE	INLET INVERT	OUTLET STRUCTURE	OUTLET INVERT	SLOPE	REMARKS
99+22	8"	17.0	*	67.05	SS-1	66.12	-5.4%	* CONNECT TO EXISTING AT 99+22, 3.4' RT
99+35	8"	184.0	SS-1	66.09	*	63.70	-1.3%	* CONNECT TO EXISTING AT 101+09, 42.5' LT
TOTAL		201						

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: JB Date: 1/6/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE			
DESIGNED BY: B. PADDOCK		SUMMARY TABLES			
DRAWN BY: B. PADDOCK					
Friday, December 16, 2016 1:54:01 PM					
REVISIONS NO. DATE DESCRIPTION △ 12/16/16 MODIFIED STATION & OFFSET ITEM 625(1B)		PROJECT DESIGNATION 0933039/Z684710000	YEAR 2016	SHEET NO. D9	TOTAL SHEETS 145

635(1) INSULATION BOARD - MBM					
STATION	OFFSET	LENGTH	WIDTH	QUANTITY	REMARKS
82+86.0	20.2 LT	6	6	0.15	
85+47.5	24.6 LT	6	6	0.15	
86+18.1	29.2 LT	6	6	0.15	
89+91.2	40.8 RT	8	6	0.20	
91+65.2	6.3 RT	6	6	0.15	
96+16.8	6.0 LT	6	6	0.15	
96+16.8	15.2 RT	6	6	0.15	
97+39.5 TO 97+86.8	19.7 RT	47	6	1.13	
97+90.9	19.8 RT	8	8	0.26	
97+95.1 TO 98+03.5	21.0 RT	8	6	0.20	
97+91.2	6.0 LT	6	6	0.15	
105+13.9	67.6 LT	6	6	0.15	
107+45.9	27.0 RT	6	6	0.15	
107+94.0	26.7 RT	6	6	0.15	
108+55.4	23.7 RT	6	6	0.15	
109+60.9	23.1 RT	6	6	0.15	
110+70.7	22.4 RT	6	6	0.15	
110+70.7	17.0 LT	6	6	0.15	
112+47.8	22.2 RT	6	6	0.15	
112+47.8	16.7 LT	6	6	0.15	
113+20.2	22.2 RT	6	6	0.15	
114+04.1	22.2 RT	6	6	0.15	
114+40.5	19.4 RT	6	6	0.15	
114+49.0	22.2 RT	6	6	0.15	
114+49.0	16.7 LT	6	6	0.15	
115+68.8	17.9 RT	6	6	0.15	
115+68.8	15.9 LT	6	6	0.15	
115+95.3 TO 116+24.4	16.0 RT	30	6	0.72	
124+89.9 TO 125+12.8	25.4 RT	23	6	0.56	
125+16.7	24.9 RT	8	8	0.26	
125+85.7	25.5 RT	10	10	0.40	
127+20.0	24.1 RT	8	8	0.26	
128+46.2	24.3 RT	8	8	0.26	
129+36.2	25.5 RT	10	10	0.40	
131+07.5 TO 131+22.3	26.3 LT	14	6	0.34	
131+26.9	25.5 LT	8	8	0.26	
131+30.7 TO 131+70.6	26.0 LT	38	6	0.92	
131+75	25.5 LT	8	8	0.26	
133.75.1	27.5 RT	6	6	0.15	
134+25.6	18.3 RT	8	8	0.26	
134+40.3	24.3 LT	6	6	0.15	
134+94.8	25.5 LT	8	8	0.26	
138+00.7	15.8 RT	6	6	0.15	
138+05.5	20.4 LT	6	6	0.15	
138+67.5	20.5 RT	6	6	0.15	
138+96.8	19.8 LT	6	6	0.15	
140+40.4	25.8 RT	6	6	0.15	
140+49.8	25.1 RT	6	6	0.15	
140+65.2	20.5 RT	8	8	0.26	
140+84.6	20.0 RT	6	6	0.15	
140+86.0	19.1 LT	6	6	0.15	
142+44.2	18.2 RT	8	8	0.26	
142+63.2	19.5 LT	8	8	0.26	
142.80.7	25.3 RT	6	6	0.15	
142+94.2	27.6 RT	6	6	0.15	
143+19.3	31.1 RT	8	8	0.26	
TOTAL				13.24	

627(13) AIR RELEASE VALVE - EACH		
PROPOSED	REMARKS	
STATION	OFFSET	
91+81	29' LT	AUTO
102+54	31' LT	AUTO
TOTAL	2	

627(14) REMOVE WATERLINE - LUMP SUM				
START	END	REMARKS		
STATION	OFFSET	STATION	OFFSET	
89+14	27' LT	89+93	31 RT	
91+30	24' RT	101+16	111 LT	

639(3) APPROACH - EACH				
STATION	OFFSET	WIDTH	WORK LIMITS	REMARKS
103+52.85	45.0' LT	35'		USCG. SEE SHEET F15
105+62.03	20.5' LT	14'	65.0' RT	
106+06.04	20.5' RT	20'	35.0' RT	
107+66.68	22.5' RT	20'		SEE SHEET G1
108+36.49	20.5' RT	20'	40.0' RT	
109+42.15	20.5' LT	34'	40.0' RT	
109+79.91	20.5' RT	20'	40.0' RT	
110+89.72	20.5' RT	20'	36.0' RT	
112+66.79	20.5' RT	14'	65.3' RT	
114+69.81	20.5' RT	14'	63.6' RT	
116+79.58	20.5' RT	14'	74.9' RT	
126+04.67	26.5' RT	20'		UAS BOOKSTORE. SEE SHEET G2
130+00.13	26.5' LT	34'		SEWER PLANT. SEE SHEET G4
130+75.54	26.5' RT	16'	74.6' RT	
132+43.03	26.5' RT	34'	40.0' RT	
132+90.05	26.5' LT	34'		USPS ACCESS. SEE SHEET G4
134+26.85	26.5' RT	34'	40.0' RT	
134+68.77	26.5' LT	34'	52.7' LT	
136+03.85	26.5' RT	34'	40.0' RT	
136+82.84	26.5' LT	34'		FISHERMAN'S BEND. SEE SHEET G5
137+79.15	26.5' RT	24'	41.5' RT	
137+86.52	26.5' LT	20'	44.0' LT	UNRUH GARAGE ACCESS
140+63.93	26.5' LT	18'		BAYVIEW DRIVE. SEE SHEET F17
142+47.17	20.5' LT	14'	40.0' LT	
142+91.45	20.5' LT	16'		SEAVIEW DRIVE. SEE SHEET F17
TOTAL:	25			

642(4) PRIMARY MONUMENT - EACH			
Station	Offset	Quantity	Remarks
96+02.60	39.07 RT	1	
96+48.35	41.00 RT	1	
99+50.45	17.53 RT	1	
102+88.61	131.90 LT	1	
104+58.38	104.60 LT	1	
105+10.29	97.21 LT	1	
105+31.31	82.76 LT	1	
111+49.19	31.44 RT	1	
114+41.70	29.71 RT	1	
115+46.81	35.83 LT	1	
116+14.56	36.91 RT	1	
126+95.85	5.66 RT	1	
129+93.99	5.05 RT	1	
130+38.67	4.25 RT	1	
133+38.40	0.06 LT	1	
138+04.57	6.44 RT	1	
Total		16	

642(5) SECONDARY MONUMENT - EACH			
Station	Offset	Quantity	Remarks
105+92.50	68.81 LT	1	
107+02.42	47.98 LT	1	
107+42.03	32.06 RT	1	
112+51.31	39.16 RT	1	
113+41.48	37.99 RT	1	
Total		5	

698(1) GEOFOAM FILL - LUMP SUM					
BEGIN	END	EST. QUANTITY (C.F.)		REMARKS	
STATION	OFFSET	STATION	OFFSET		
88+67.21	20.6' RT	90+43.75	5.7' LT	102,418	SEE SHEETS U18-U23 FOR PLACEMENT DETAILS

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 11/6/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

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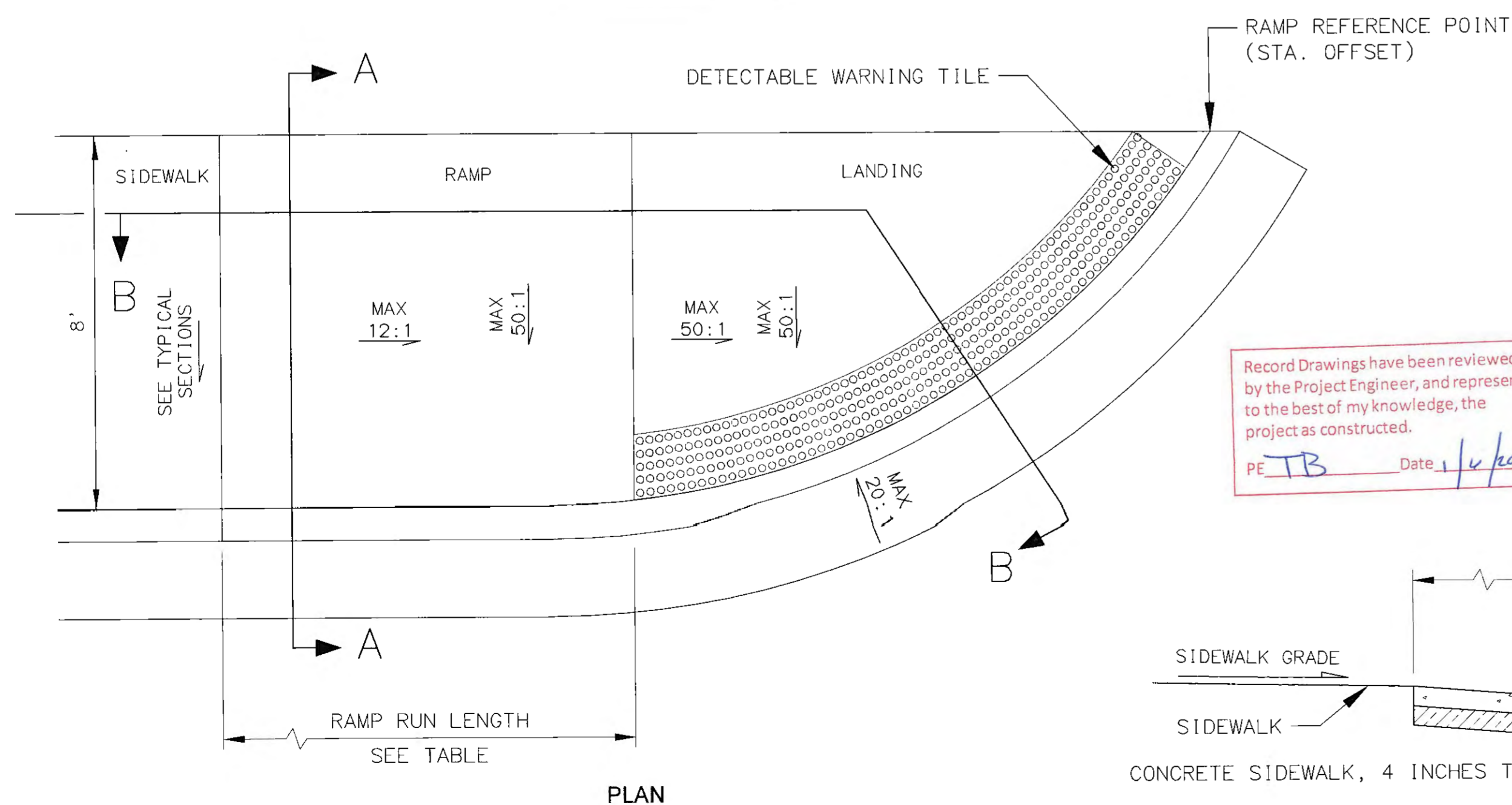
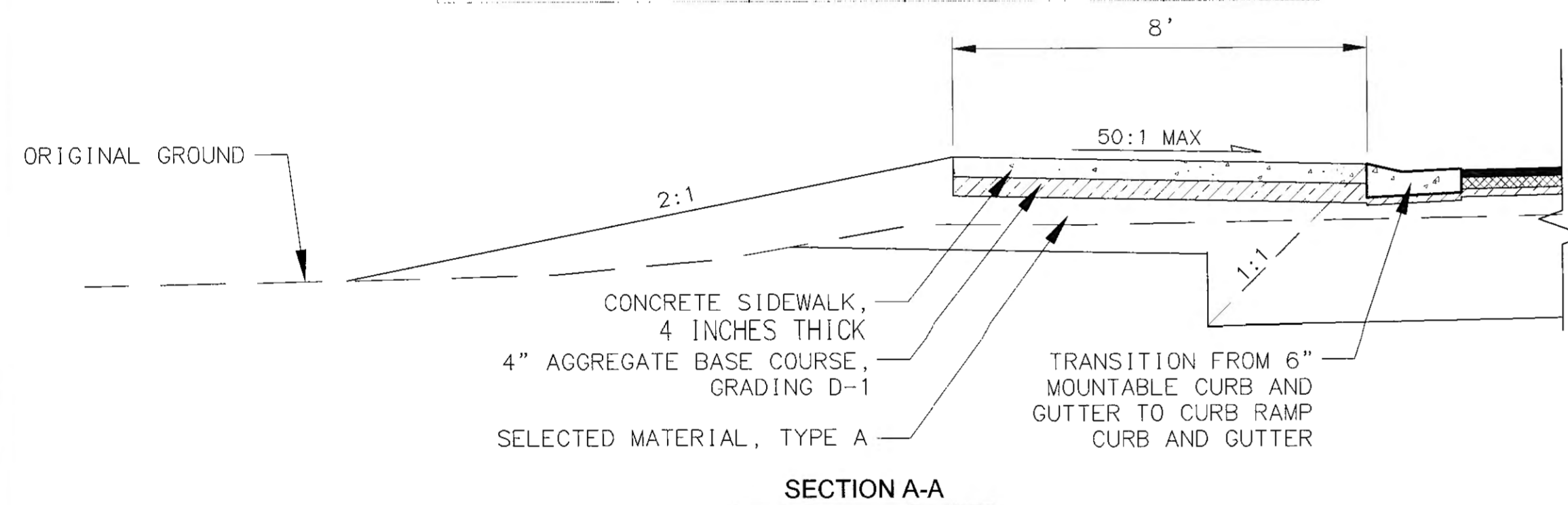
CHECKED BY: S. KARI	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION
DESIGNED BY: B. PADDOCK	GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE
DRAWN BY: B. PADDOCK	SUMMARY TABLES
Friday, September 30, 2016 11:56:09 AM TAB: D10	
REVISIONS NO. DATE DESCRIPTION	PROJECT DESIGNATION 0933039/Z684710000
	YEAR 2016
	SHEET NO. D10
	TOTAL SHEETS 145

PATH: U:\204\700154\DWGS\C\SHSHEETS\1288400_D-SHEETS.DWG

CURB RAMP NOTES:

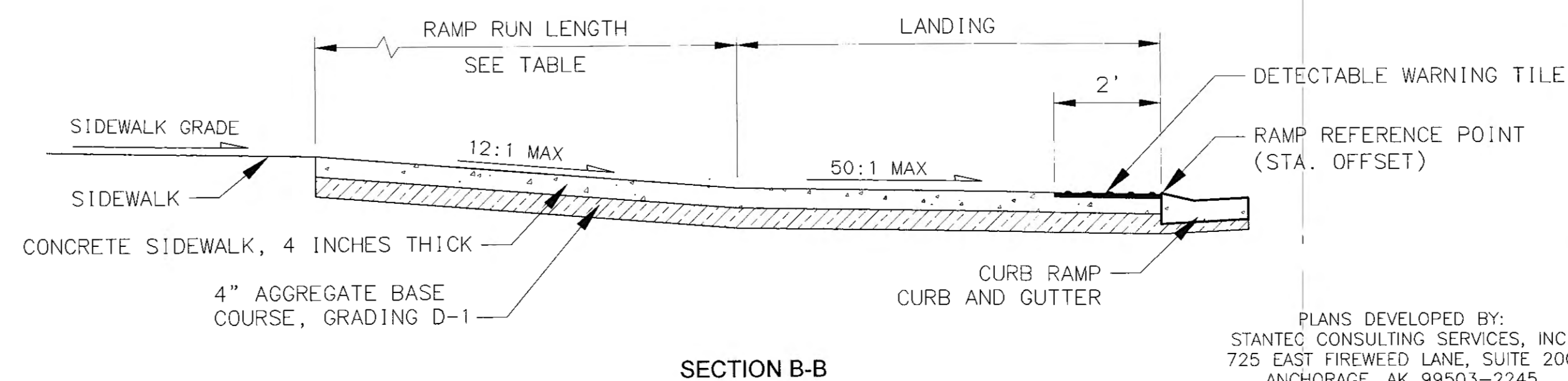
1. THE FOLLOWING NOTES APPLY TO ALL CURB RAMP TYPES, UNLESS A SPECIFIC TYPE IS SPECIFIED.
2. SEE SUMMARY SHEETS FOR RAMP TYPE AT PARTICULAR LOCATIONS.
3. CONSTRUCT RAMP RUNS AND LANDINGS FROM CONCRETE, REGARDLESS OF WHETHER THE SIDEWALK IS ASPHALT OR CONCRETE.
4. PROVIDE A COARSE BROOMED FINISH RUNNING PERPENDICULAR TO THE CURB ON RAMP RUNS AND UPPER LANDINGS AND PARALLEL TO THE CURB ON LOWER LANDINGS.
5. INSTALL DETECTABLE WARNING TILES AS SHOWN. FURNISH TILES THAT CONFORM TO THOSE DETAILED IN STANDARD DRAWING I-21.03.
6. INSTALL CURB RAMP CURB AND GUTTER ADJACENT TO LANDING FOR ALL CURB RAMP TYPES.
7. DO NOT CONSTRUCT RAMP SLOPES STEEPER THAN 12:1 OR SIDEWALK CROSS SLOPES STEEPER THAN 2% (50:1), EXCEPT AS PROVIDED UNDER NOTE 8. THESE ARE THE STEEPEST SLOPES ALLOWED BY LAW.
8. WHERE SIDEWALK SLOPE MAKES IT NECESSARY TO LENGTHEN A RAMP RUN TO AVOID EXCEEDING THE ALLOWABLE RAMP SLOPE, DO NOT EXCEED A RAMP LENGTH OF 15 FEET. THE SLOPE RESULTING FROM THAT RUN LENGTH IS ACCEPTABLE, EVEN IF IT EXCEEDS THE MAXIMUM SLOPE SHOWN.
9. DRAINAGE INLETS SHOULD NOT BE LOCATED WITHIN MARKED CROSSWALKS OR, IF CROSSWALKS ARE NOT MARKED, WITHIN THE AREA A STANDARD MARKED CROSSWALK WOULD ENCLOSE. IF THAT IS UNAVOIDABLE, INSTALL ACCESSIBLE GRATES, WITH OPENING NO GREATER THAN 1/2 INCH IN ANY DIRECTION.
10. INSTALL 24" DETECTABLE WARNING TILES FOR THE FULL WIDTH OF THE RAMP. DOMES SHALL BE CONFIGURED IN A SQUARE PATTERN. ALIGN TRUNCATED DOME PATTERN IN THE PREDOMINATE DIRECTION OF WHEELCHAIR TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN THE DOMES.
11. CONSTRUCT CURB RAMP AND DETECTABLE WARNING TILES IN ACCORDANCE WITH REQUIREMENTS FOR THE AMERICANS WITH DISABILITIES ACT (ADA).
12. CURB RAMP SHALL BE CONSTRUCTED WITH 4" CLASS A CONCRETE OVER 4" AGGREGATE BASE COURSE, INCLUDING PARALLEL AND PERPENDICULAR RAMP TYPES.

UPHILL SIDEWALK GRADE	RAMP RUN LENGTH	DOWNHILL SIDEWALK GRADES	RAMP RUN LENGTH
0 TO 1.5%	7.5'	ALL	7.5'
1.51% TO 4.0%	12'		
STEEPER THAN 4.0%	15'		

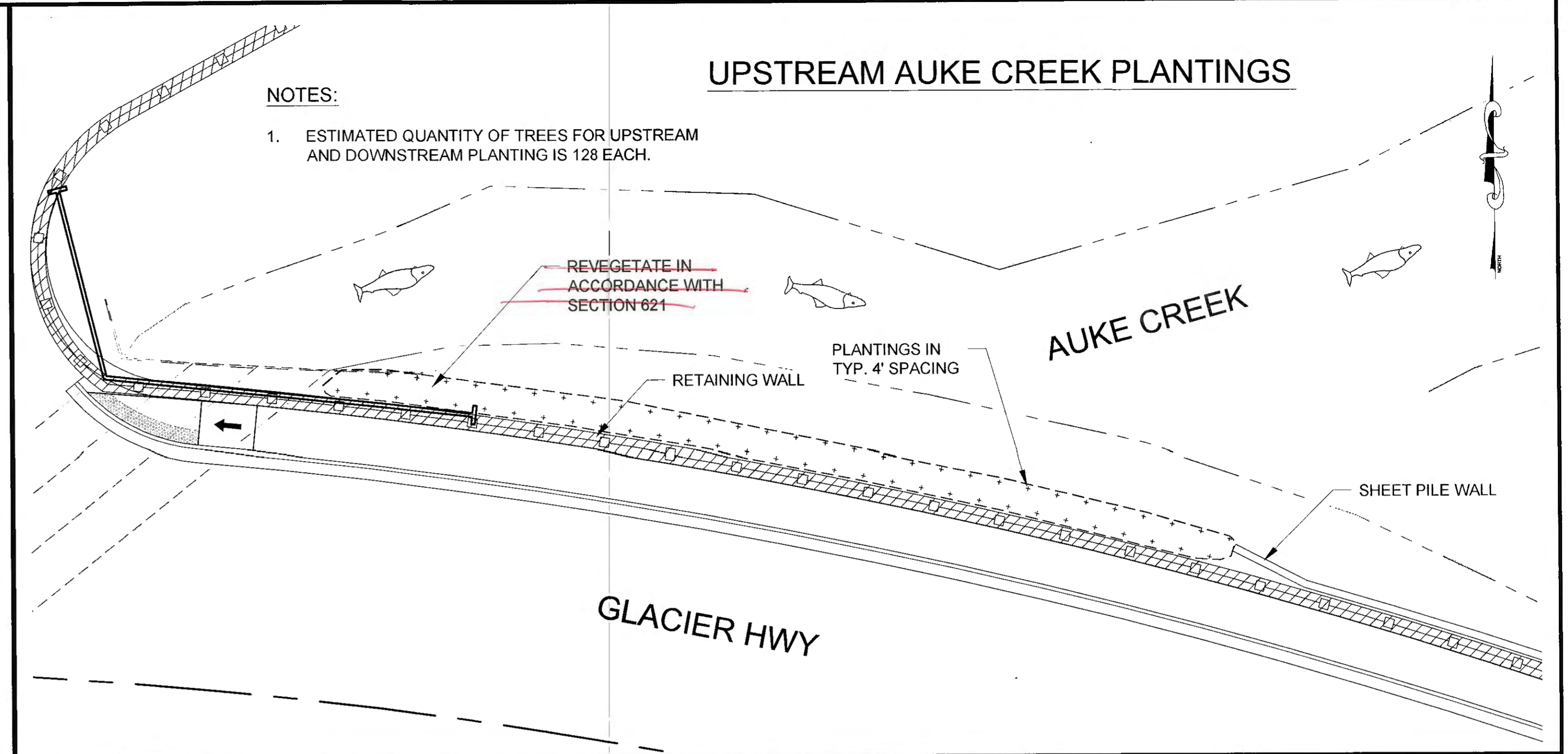


SPECIAL CURB RAMP: UNIDIRECTIONAL

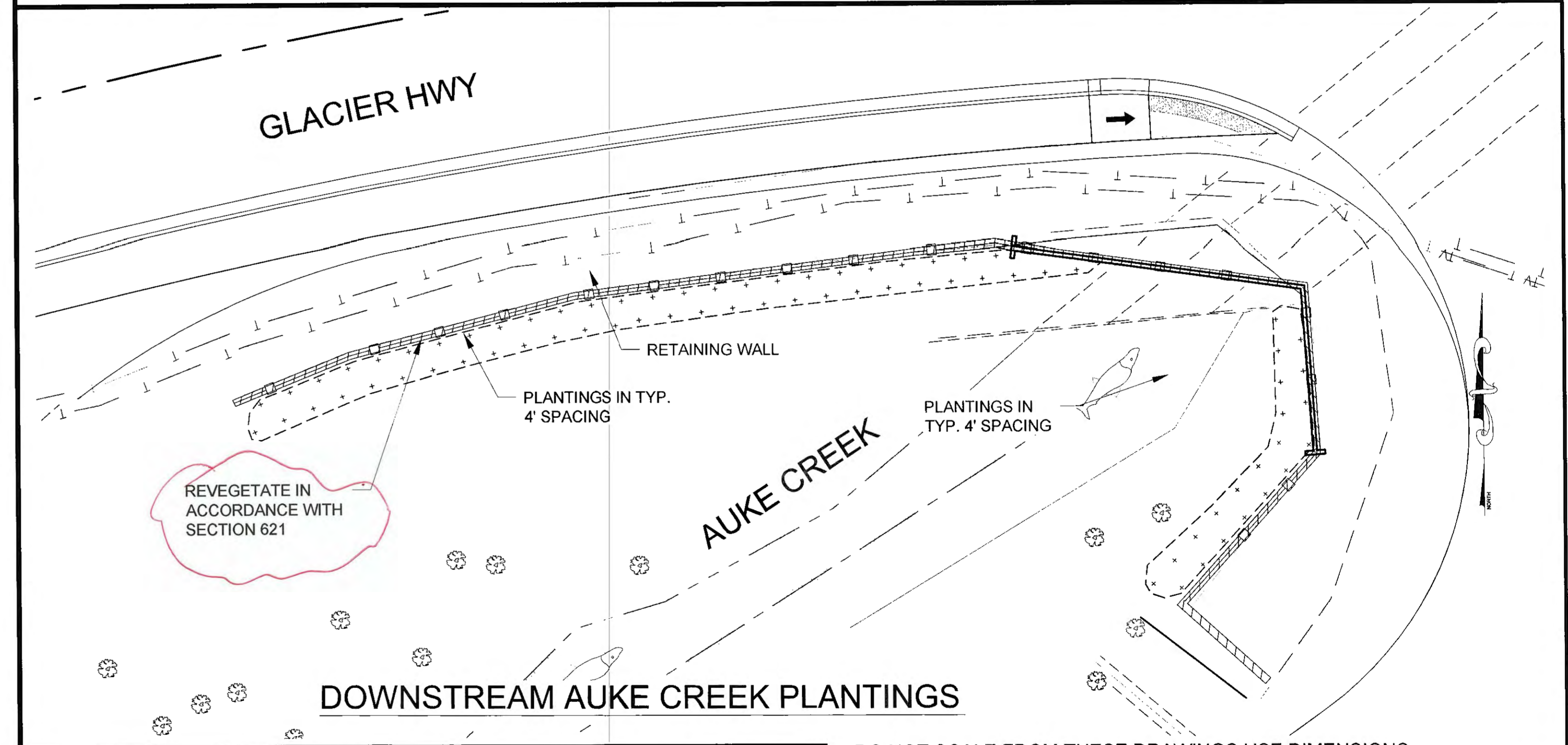
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/4/2020



UPSTREAM AUKE CREEK PLANTINGS



GLACIER HWY



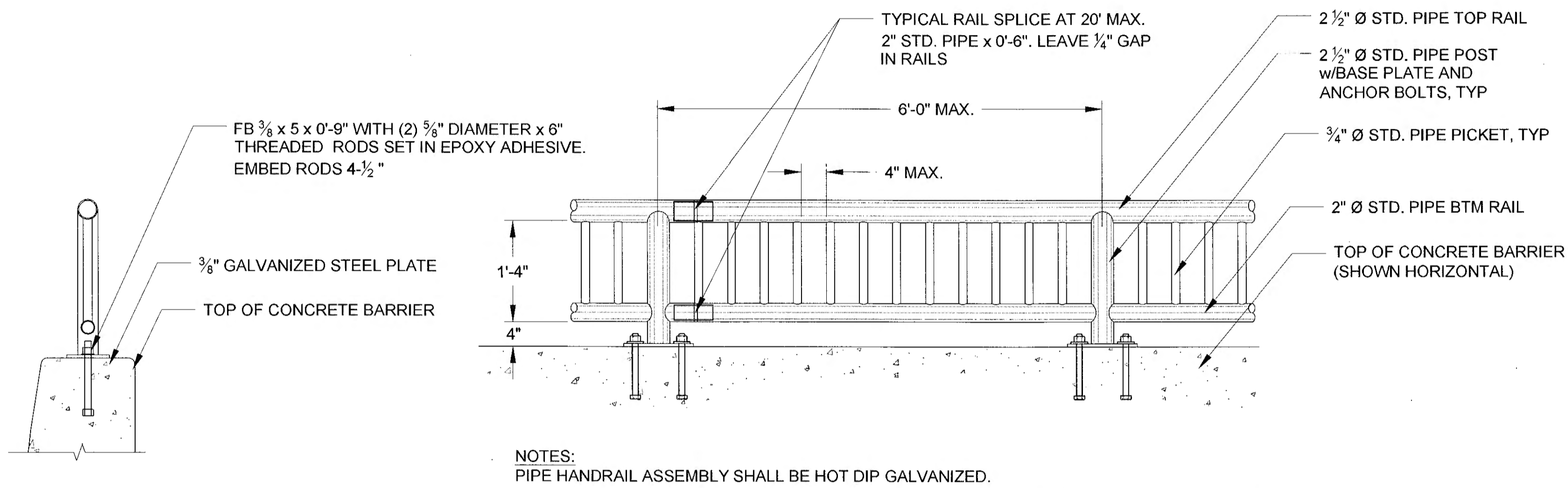
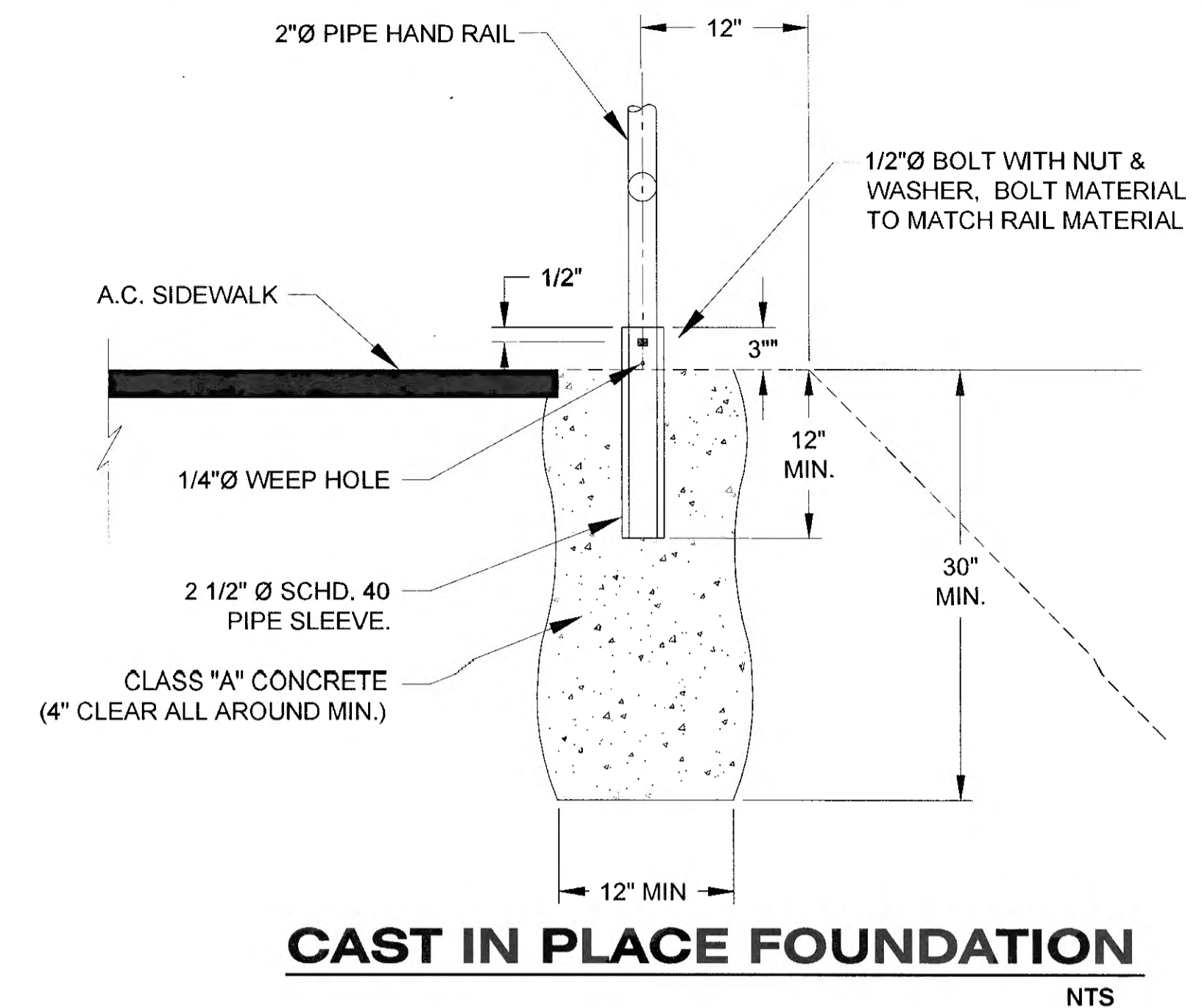
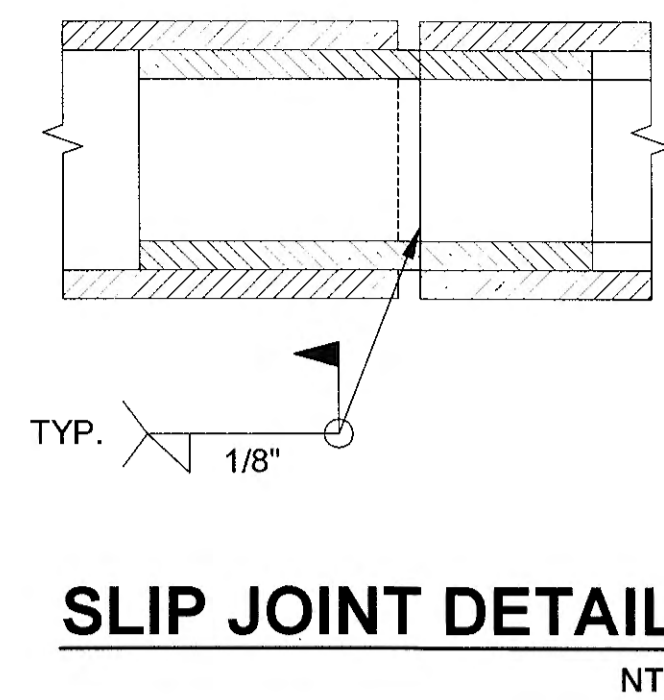
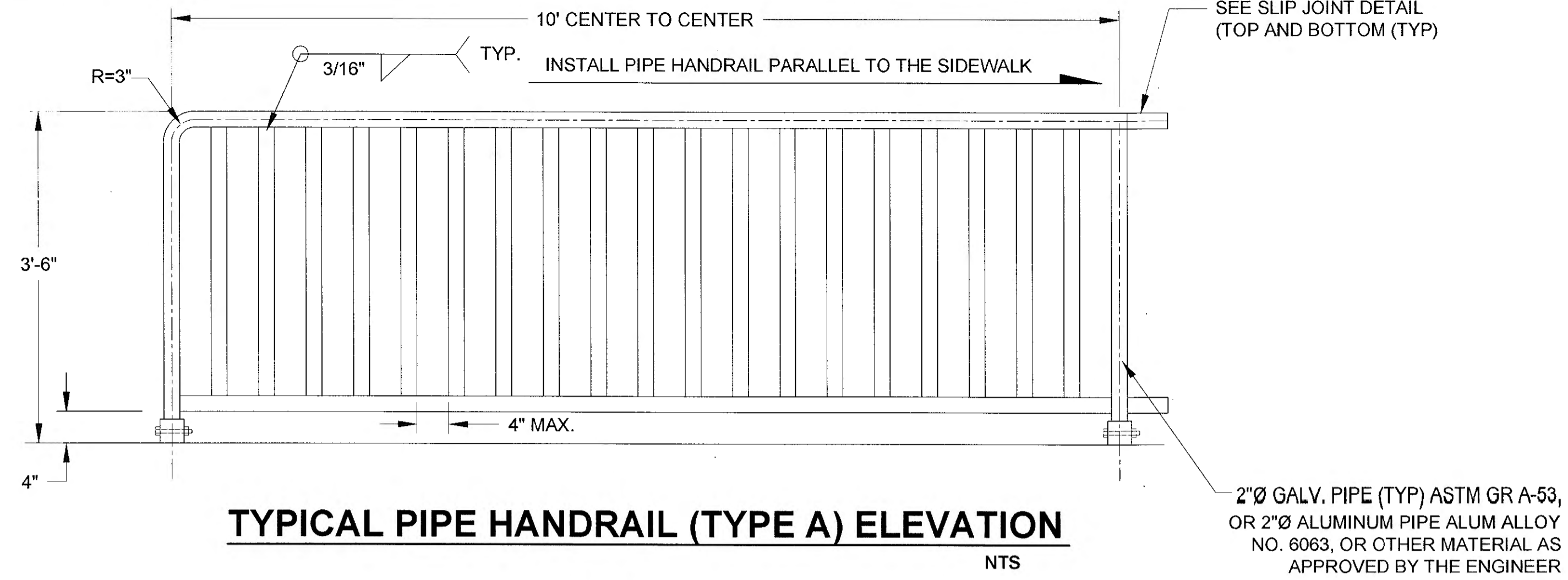
DOWNSTREAM AUKE CREEK PLANTINGS

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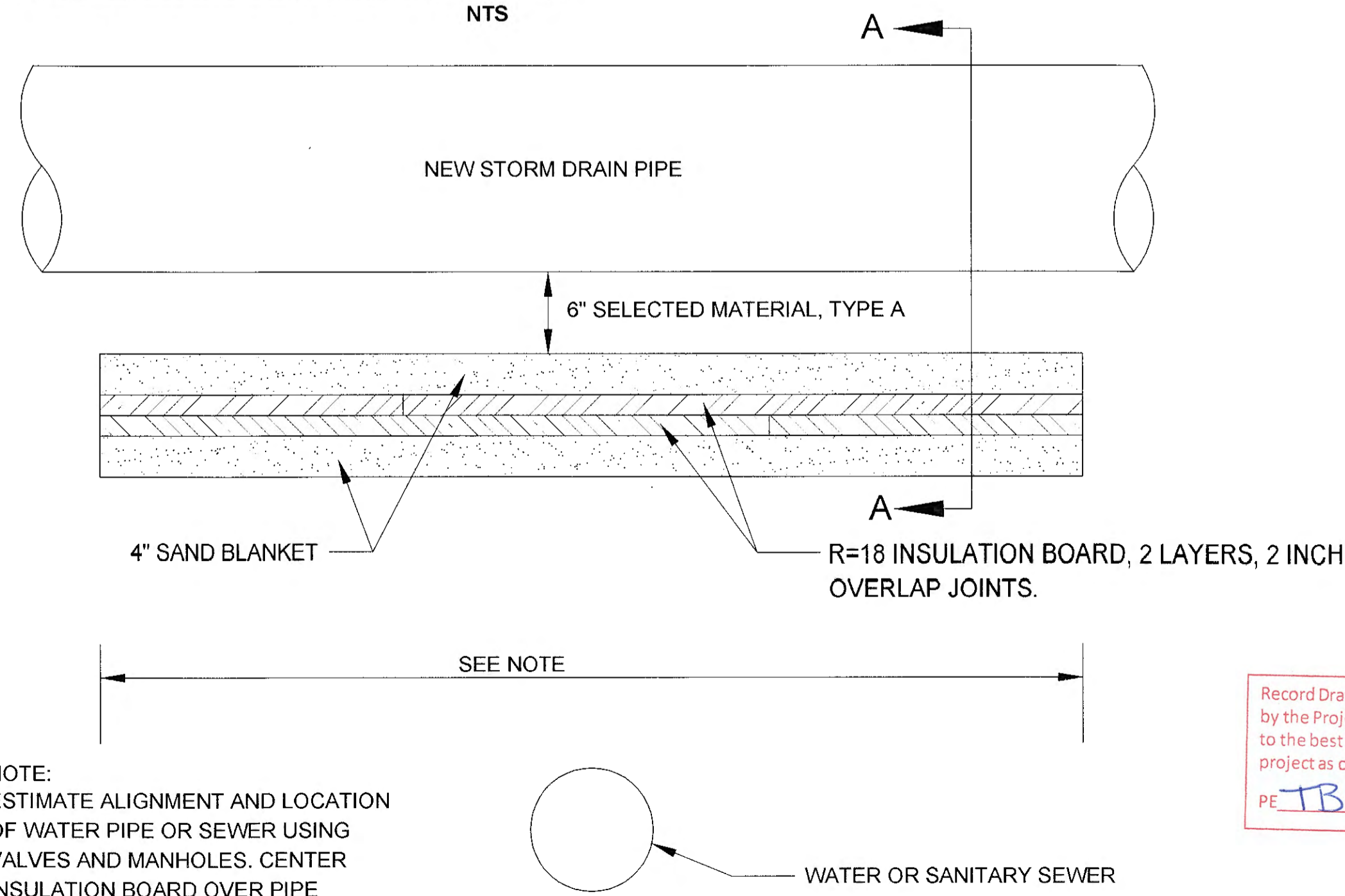
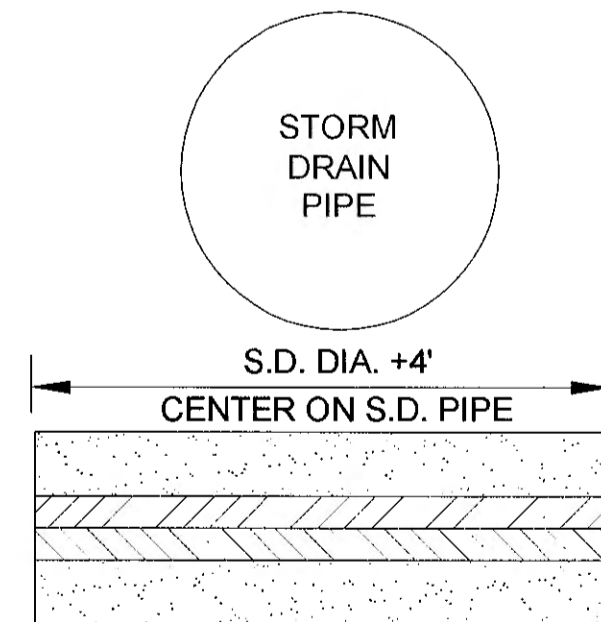
CHECKED BY: S. KARI 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DESIGNED BY: B. PADDOCK, C. HAKARI DRAWN BY: B. PADDOCK Friday, September 30, 2016 11:57:15 AM TAB: E1		DETAILS	
PROJECT DESIGNATION 0933039/Z684710000	YEAR 2016	SHEET NO. E1	TOTAL SHEETS 145

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

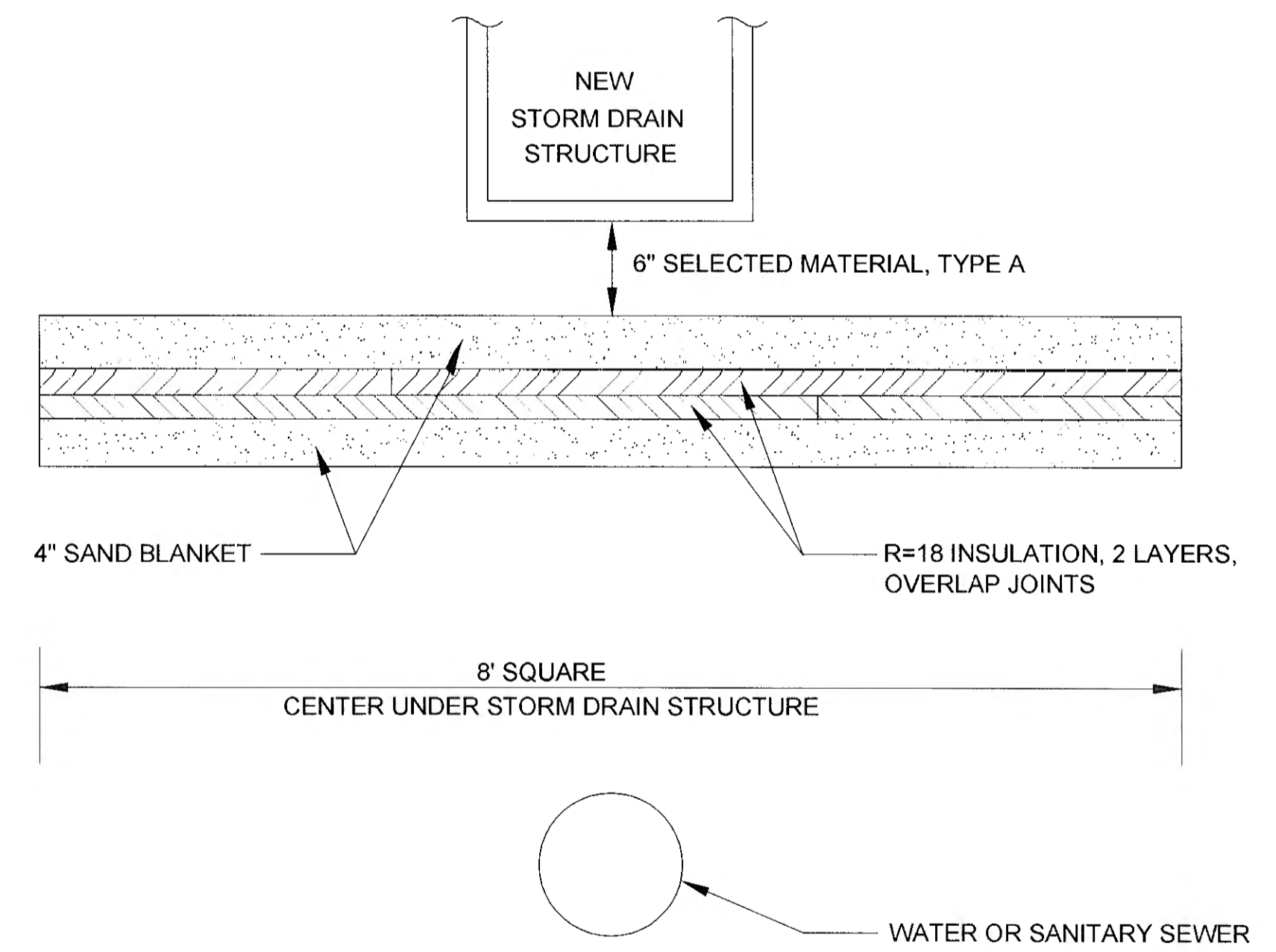
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TYPICAL PIPE HANDRAIL (TYPE B) ELEVATION
NTS



INSULATION BOARD UNDER STORM DRAIN PIPE



INSULATION BOARD UNDER STORM DRAIN STRUCTURE

HANDRAIL NOTES:

- HANDRAIL STATIONING IS APPROXIMATE. THE CONTRACTOR SHALL MARK POST HOLE FOUNDATION LOCATIONS BEFORE INSTALLING FOUNDATIONS. ADJUST POST HOLE LOCATIONS AS NECESSARY TO ENSURE THAT NO POST HOLE LOCATIONS CONFLICT WITH UNDERGROUND UTILITIES.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL PEDESTRIAN RAILING, PRIOR TO FABRICATION, FOR THE ENGINEER'S REVIEW AND APPROVAL.
- THE 6" DIMENSION BETWEEN PIPE RAIL SECTIONS IS TYPICAL. THE CONTRACTOR MAY ADJUST THE SPACING BETWEEN RAIL SECTIONS +/- 3" AS REQUIRED TO AVOID UNDERGROUND UTILITIES AND OTHER CONFLICTS.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *TJB* Date: 1/6/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
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907-276-4245
C.A. #126386

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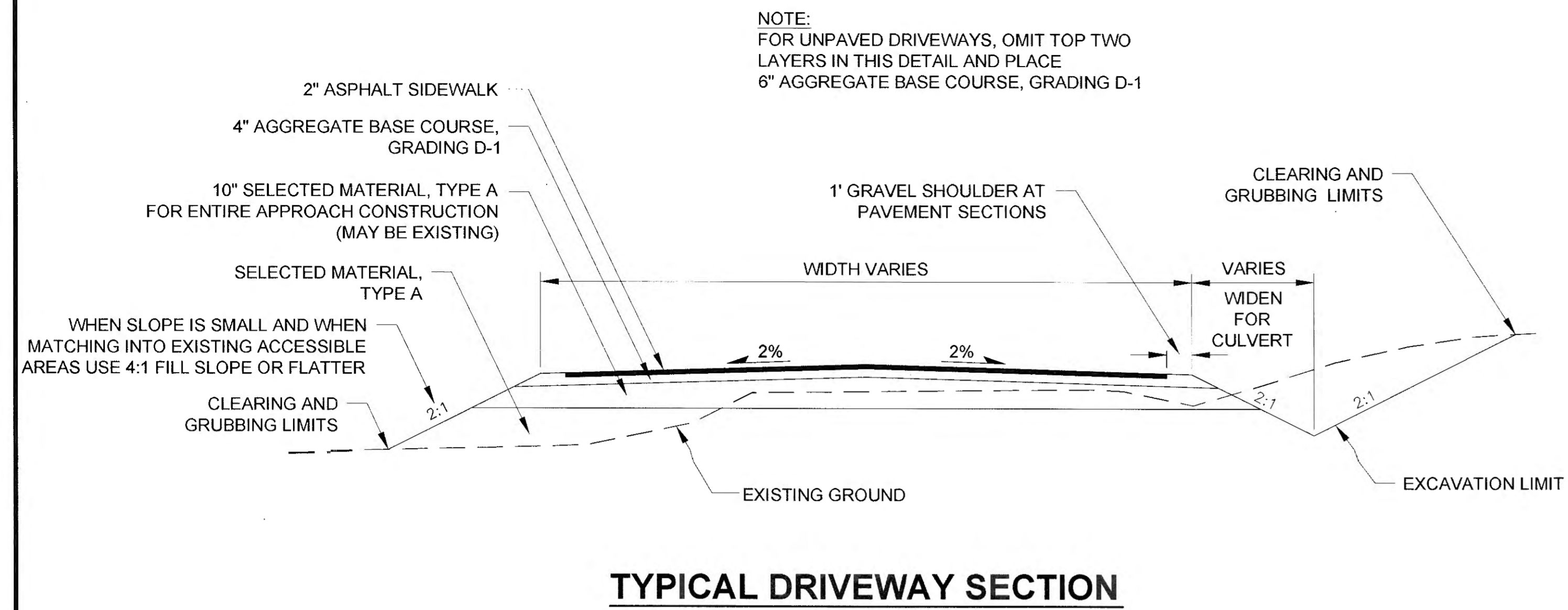
DESIGNED BY: B. PADDOCK
DRAWN BY: B. PADDOCK

Friday, September 30, 2016 11:57:47 AM
TAB: E2

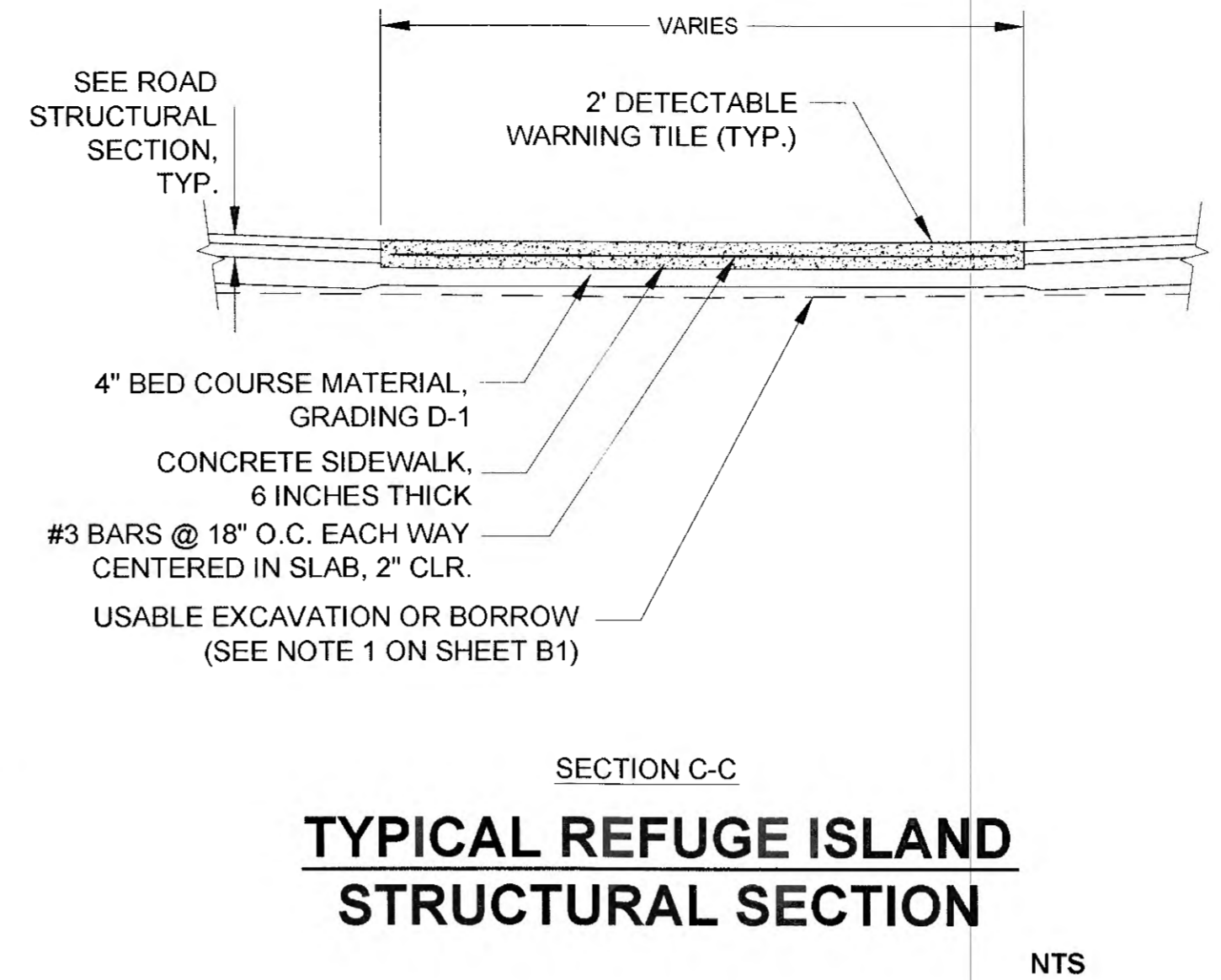
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION
GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

DETAILS

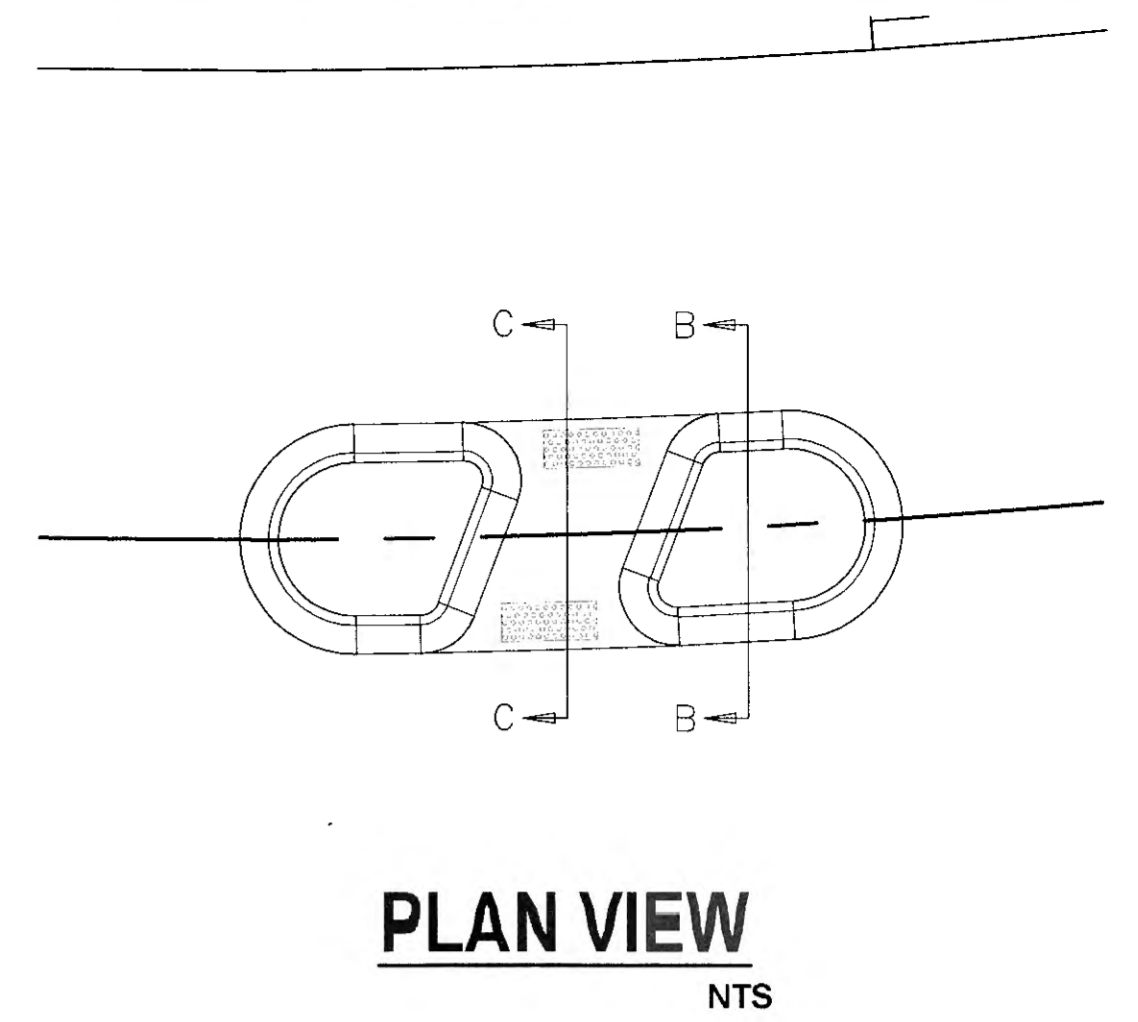
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			0933039/Z684710000	2016	E2	145



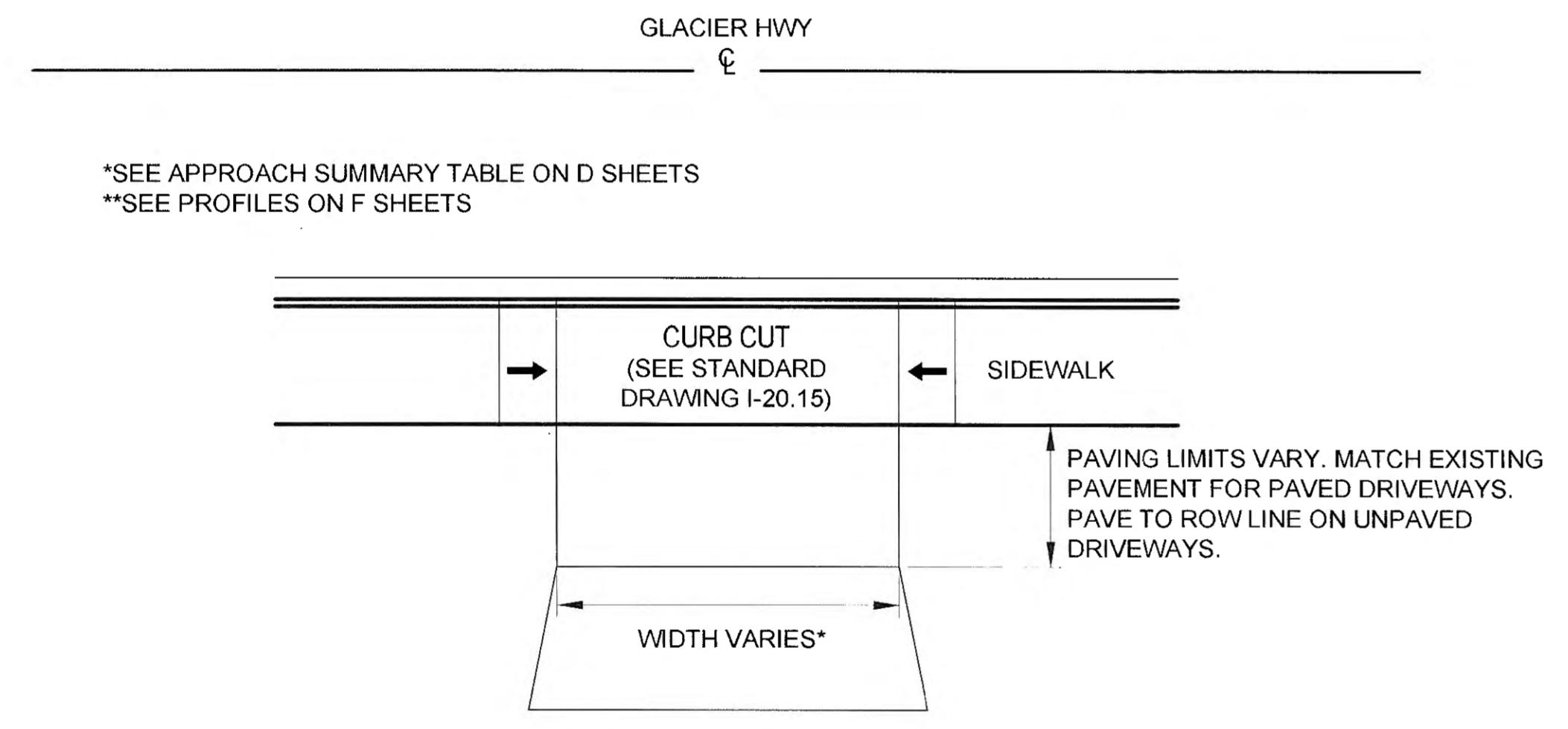
TYPICAL DRIVEWAY SECTION



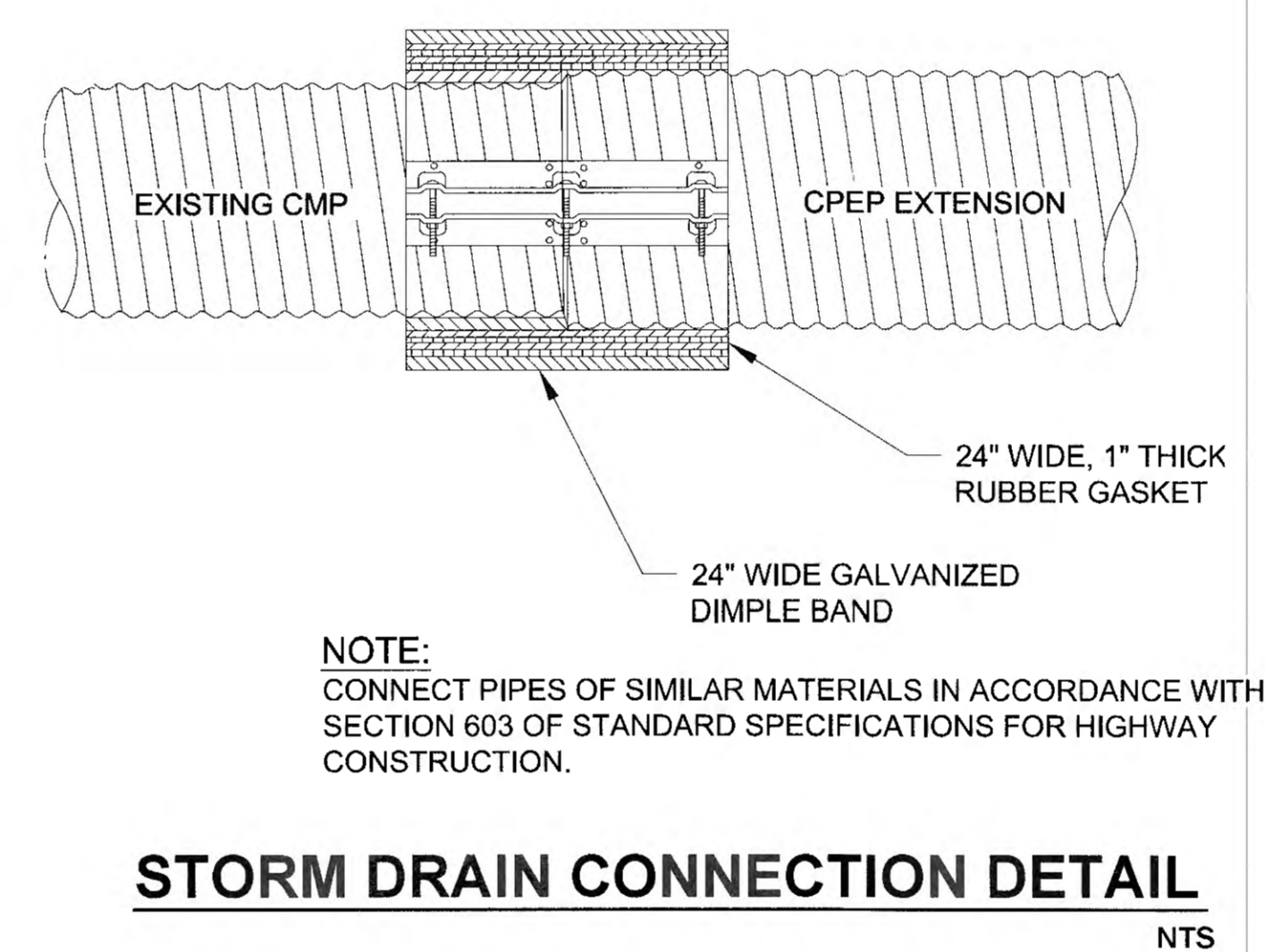
TYPICAL REFUGE ISLAND STRUCTURAL SECTION



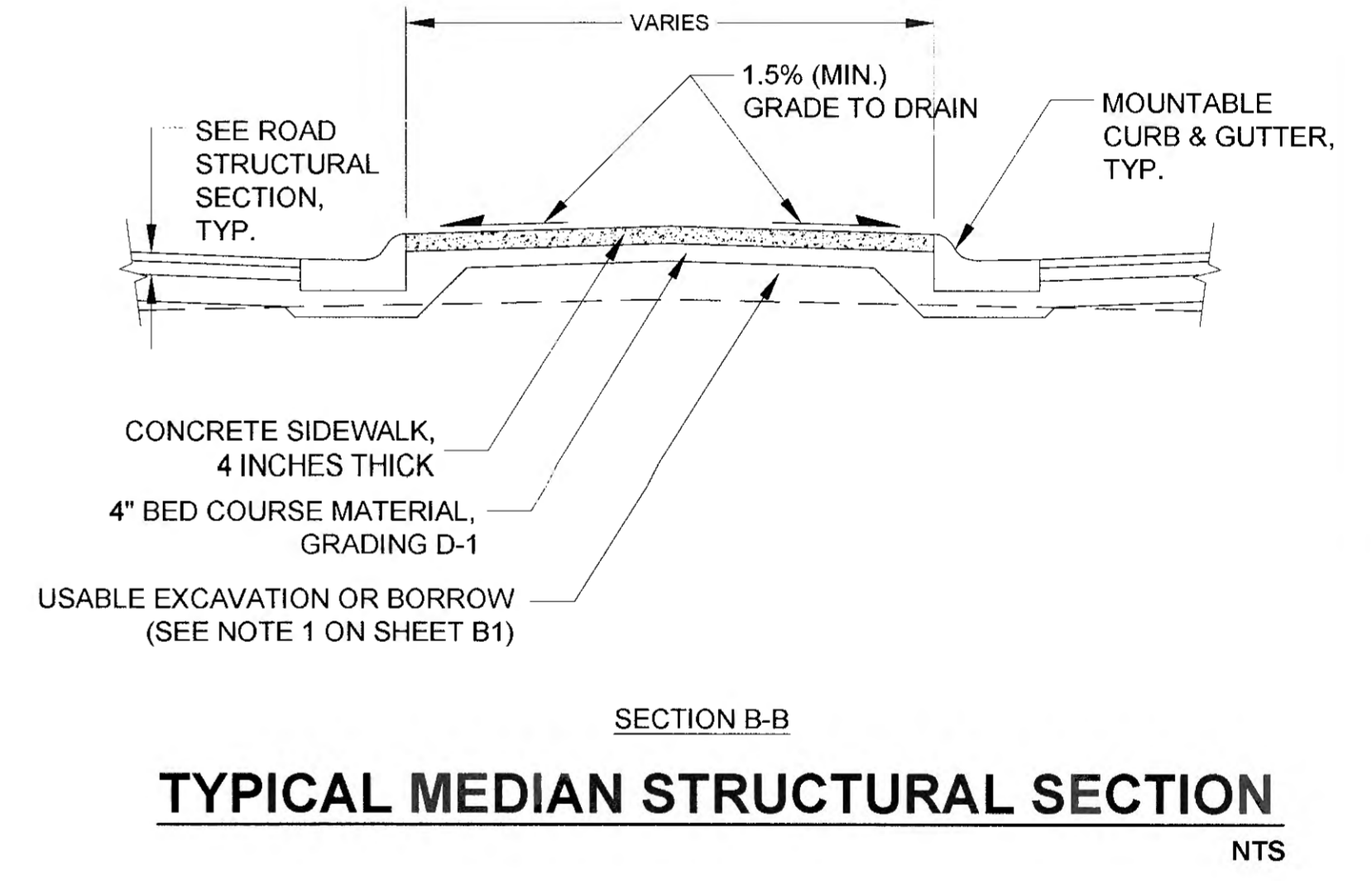
PLAN VIEW
NTS



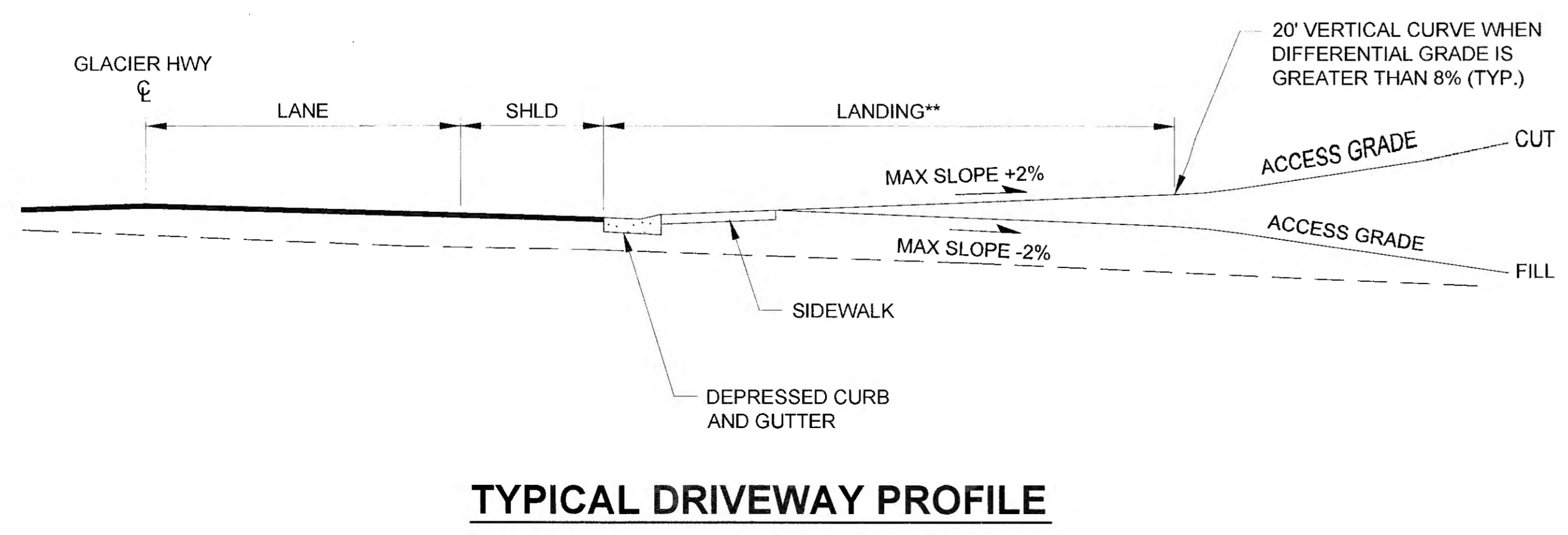
TYPICAL CURB CUT DRIVEWAY PLAN



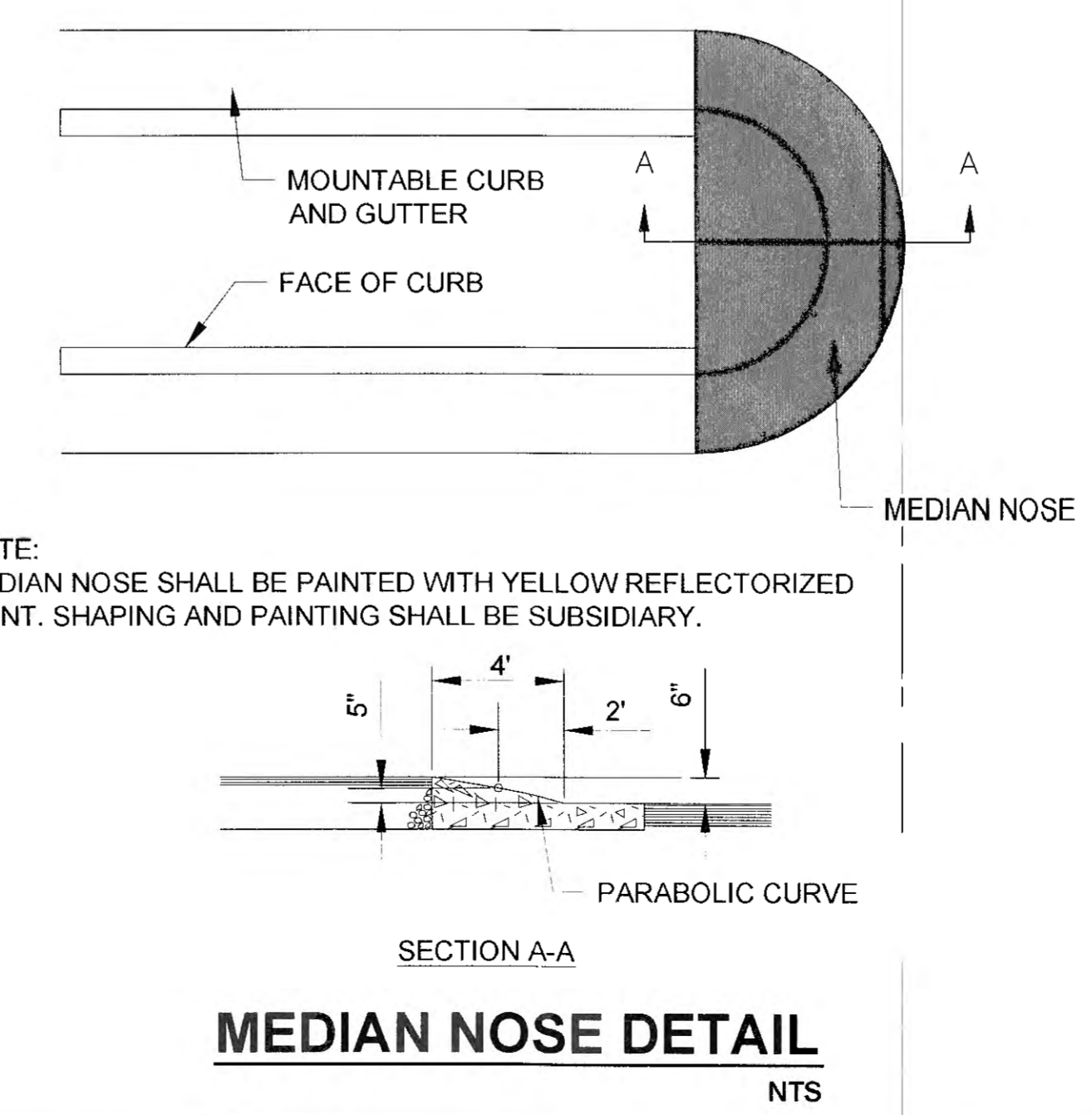
STORM DRAIN CONNECTION DETAIL
NTS



TYPICAL MEDIAN STRUCTURAL SECTION
NTS



TYPICAL DRIVEWAY PROFILE



MEDIAN NOSE DETAIL
NTS

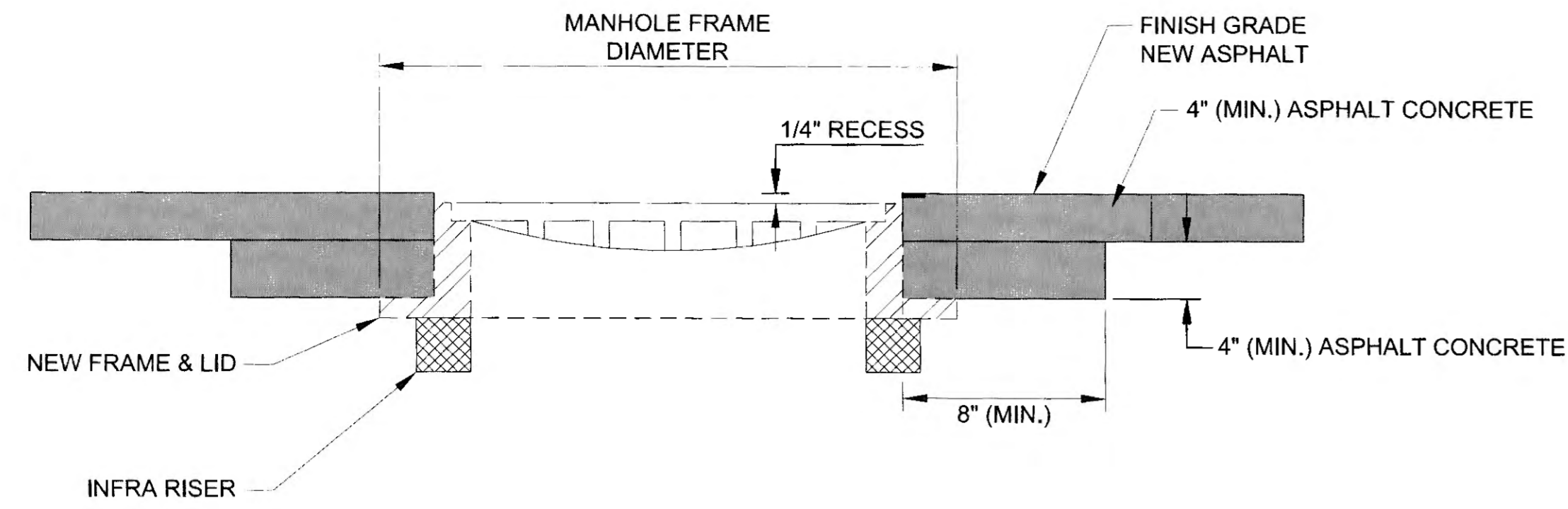
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE: TB Date: 1/6/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION		
DESIGNED BY: B. PADDOCK		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE		
DRAWN BY: B. PADDOCK		DETAILS		
Friday, September 30, 2016 11:58:34 AM				
TAB: E3		PROJECT DESIGNATION	YEAR	
NO.	DATE	DESCRIPTION	SHEET NO.	TOTAL SHEETS
			E3	145

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GENERAL NOTES:

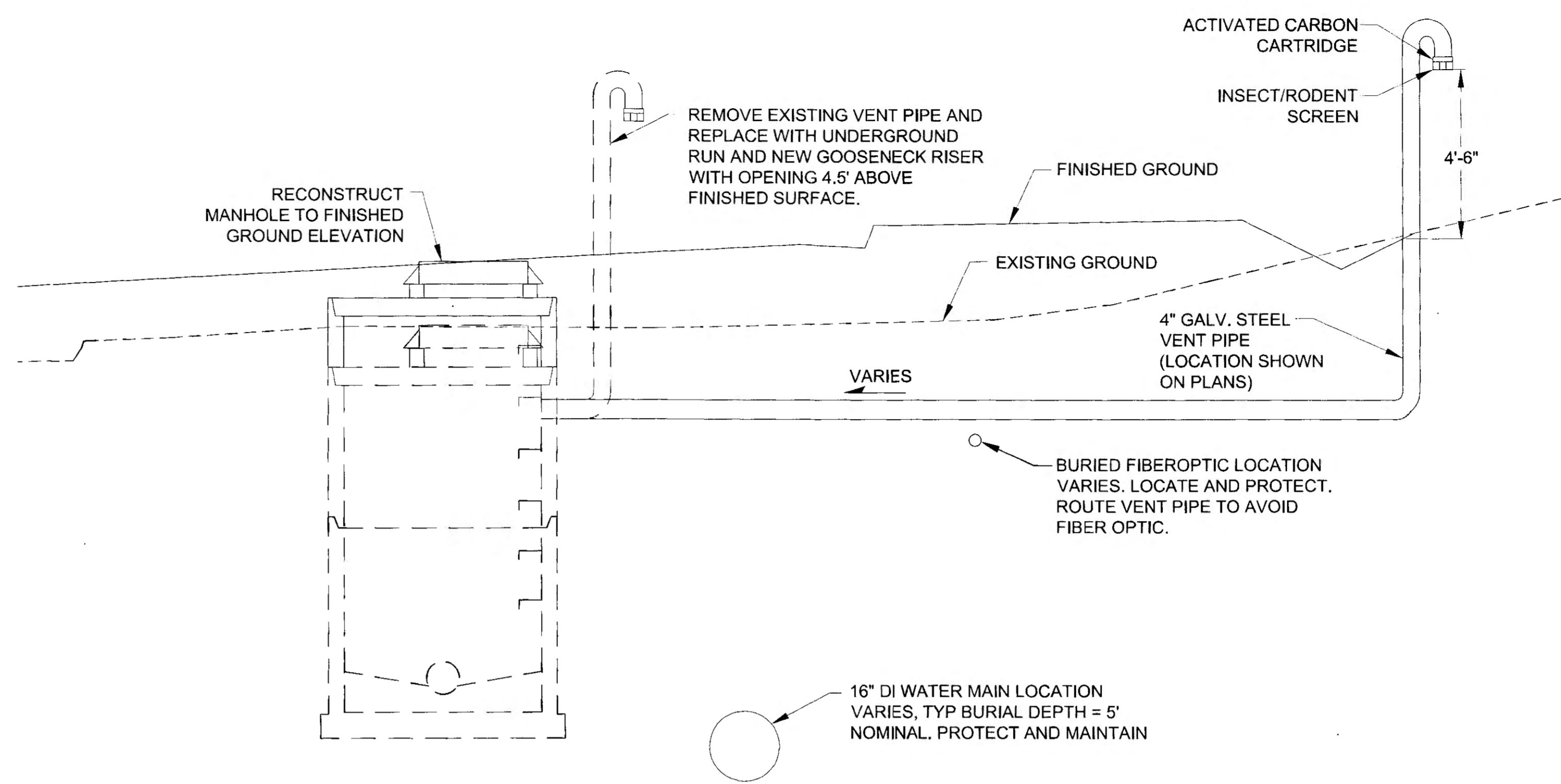
1. MANHOLE CASTINGS MUST COMPLY WITH BUY AMERICA PROVISIONS PER SECTION 106 OF STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

ADJUSTMENT NOTES:

1. MANHOLE CASTING SHALL BE ADJUSTED TO CONFORM WITH SLOPE AND GRADE OF PROPOSED PAVEMENT.
2. ADJUSTING RINGS SHALL BE PROPERLY SIZED FOR THE EXISTING CONE OR FLAT TOP OPENING, AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. INSTALLATION OF FRAME, COVER, AND ADJUSTMENT RINGS, ONTO THE EXISTING STRUCTURE SHALL BE WATER-TIGHT.

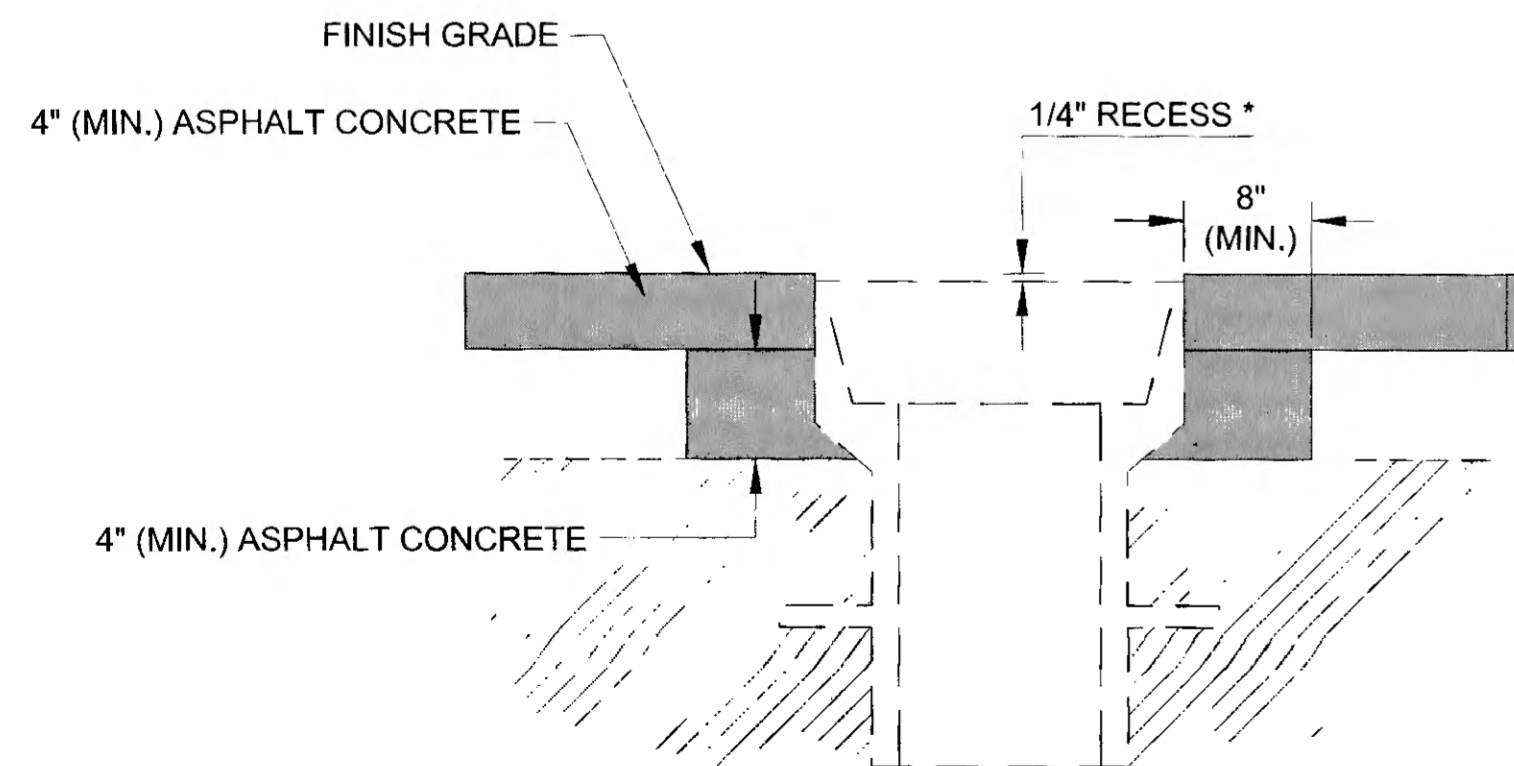
CONSTRUCTION SEQUENCING NOTES:

1. RAISE, LOWER OR RECONSTRUCT MANHOLES AS REQUIRED. INSTALL STEEL PLATE OVER MANHOLE OPENING AS A TEMPORARY MEASURE.
2. PRIOR TO FINAL PAVING, REMOVE STEEL PLATE AND INSTALL NEW RISERS, FRAME AND LID. ADJUST FRAMES TO FINISHED GRADE.
3. CONSTRUCT 4" OF ASPHALT CONCRETE PAVEMENT IN PAVEMENT REMOVAL AREA AROUND FRAME.
4. CONSTRUCT FINAL ASPHALT CONCRETE PAVEMENT.



SANITARY SEWER MANHOLE DETAIL

NTS

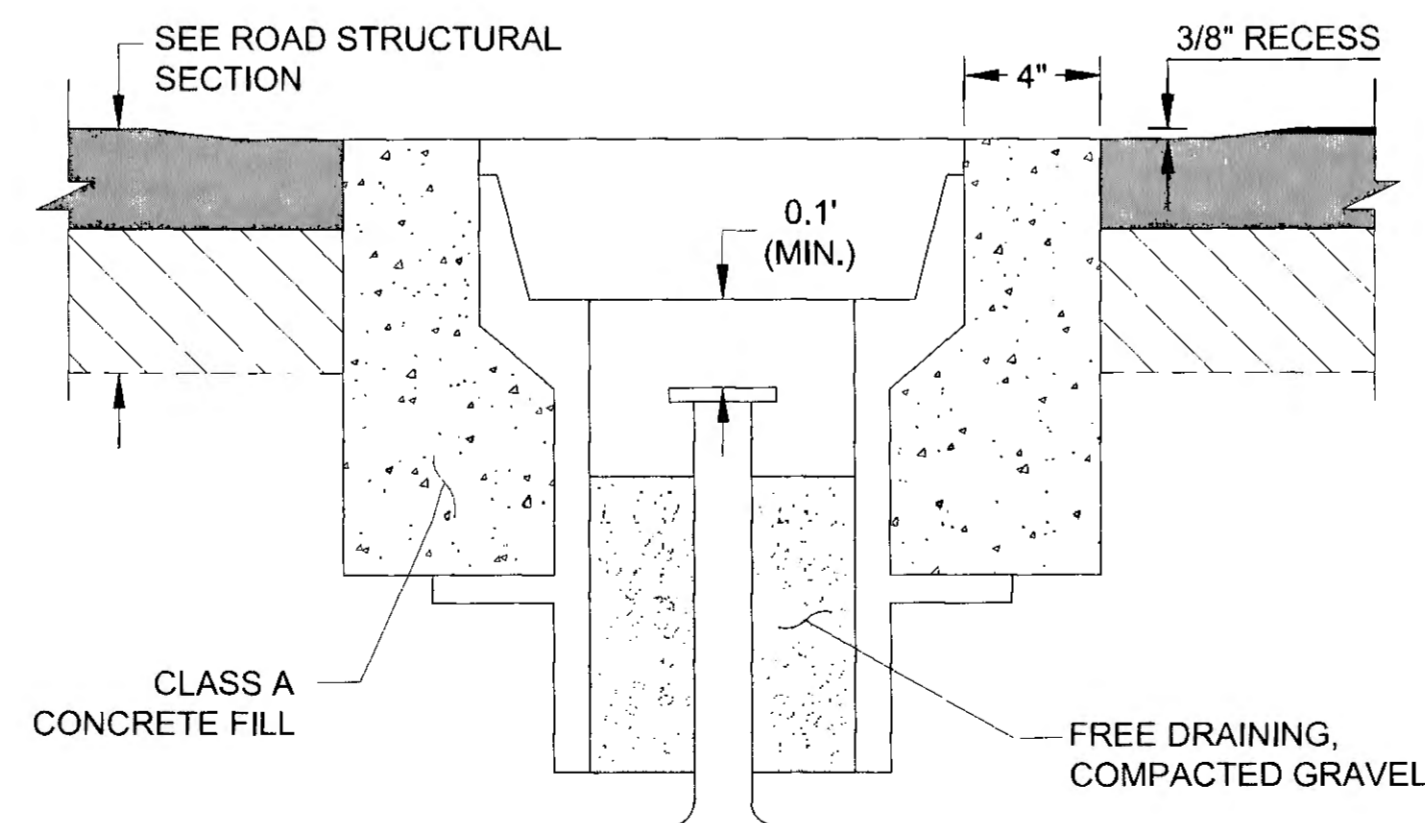


* MATCH ROADWAY CROSS SLOPE

VALVE BOX ADJUSTMENT DETAIL

NTS

RECESS TOLERANCE : +1/8", -0"



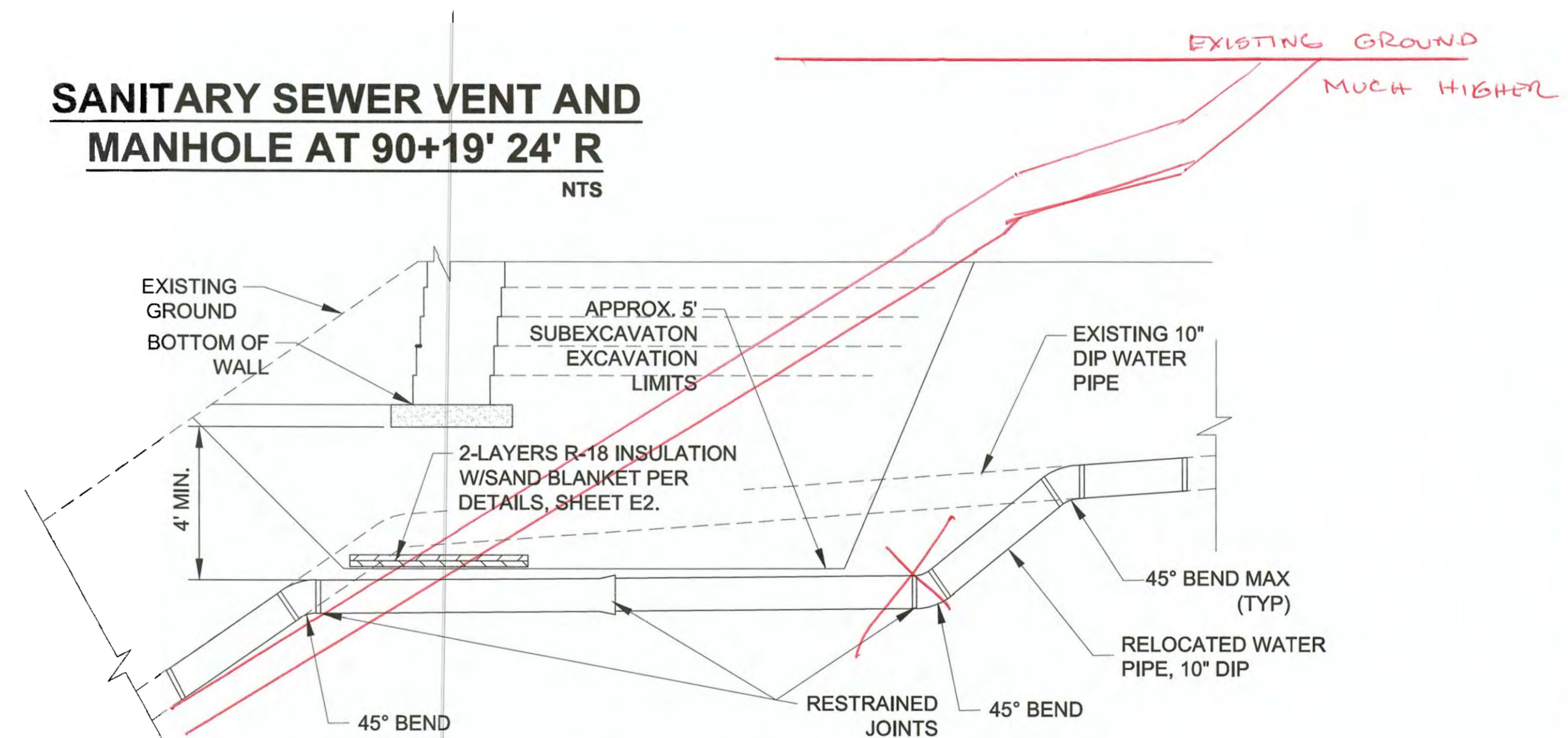
MONUMENT DETAIL

NTS

RECESS TOLERANCE : +1/8", -0"

SANITARY SEWER VENT AND MANHOLE AT 90+19' 24' R

NTS



WATER PIPE RELOCATION

NTS

STA. 116+40.00 LT.

EXISTING GROUND MUCH HIGHER

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE TB Date 1/6/2020

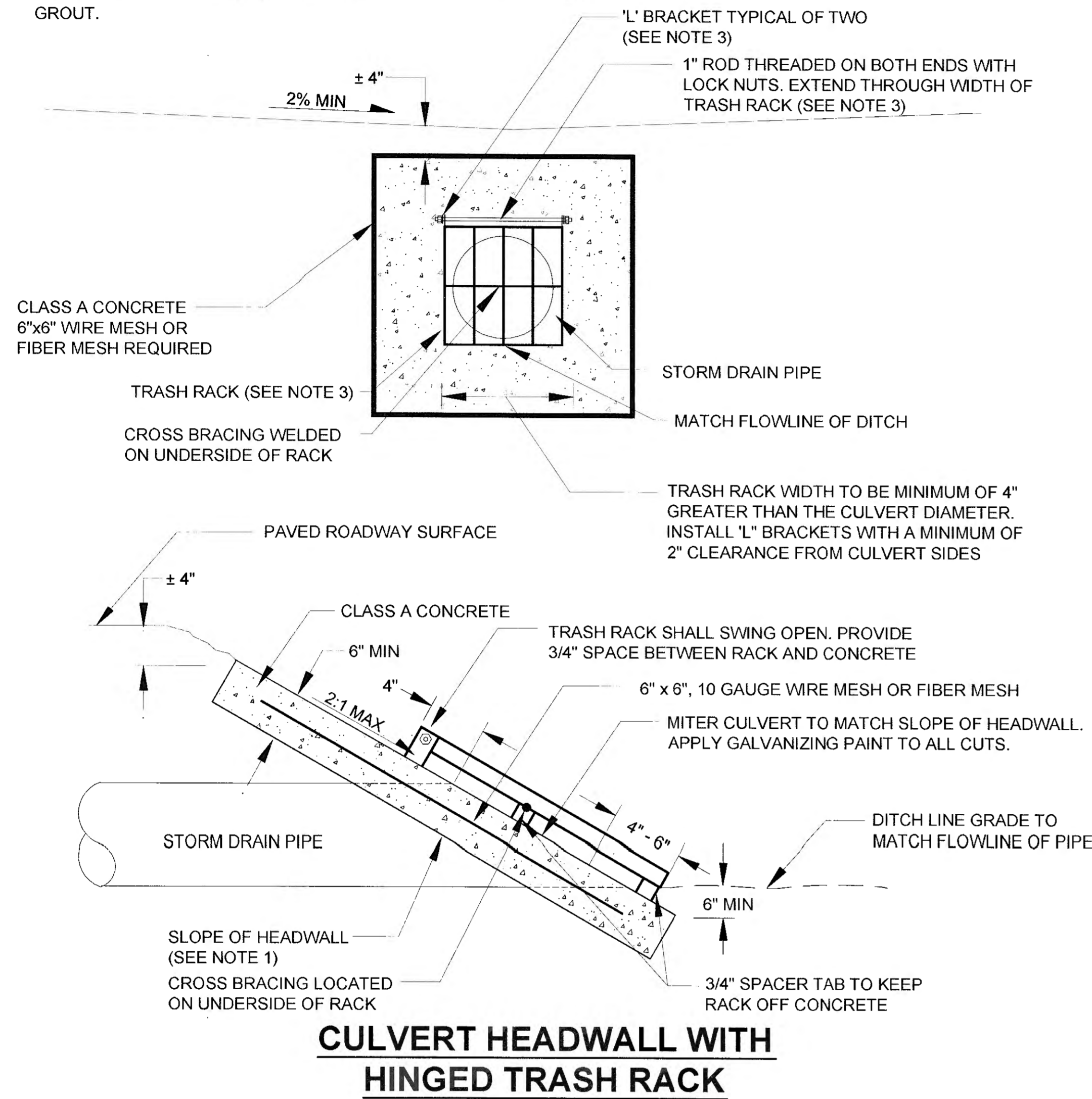
PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS				
CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION		
		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE		
		DETAILS		
DESIGNED BY: B. PADDOCK		Wednesday, November 02, 2016 9:40:19 AM		
DRAWN BY: B. PADDOCK		TAB: E4		
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.
NO.	DATE	DESCRIPTION		TOTAL SHEETS
			0933039/Z684710000	2016
				E4
				145

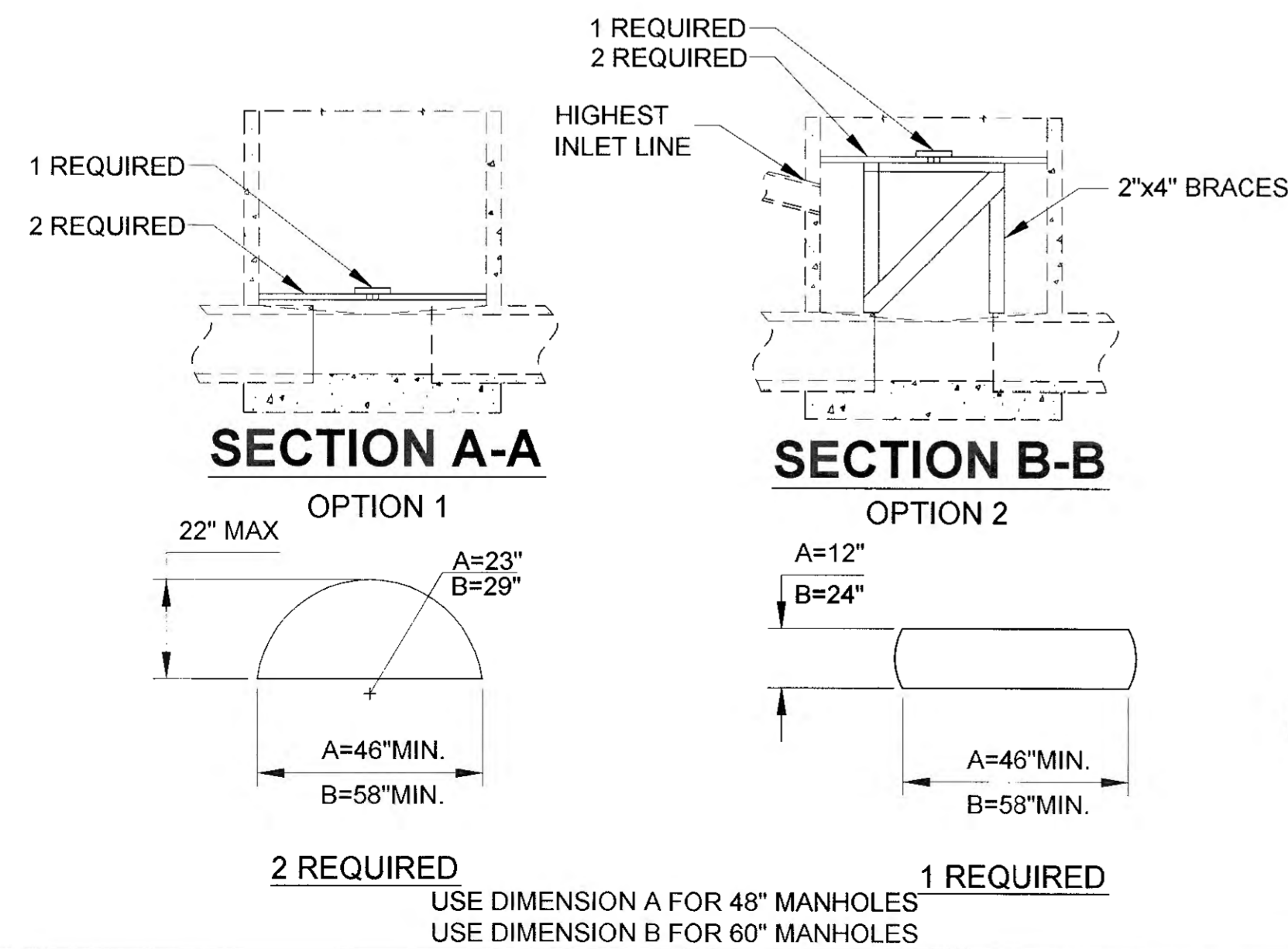
PATH: J:\2017\00154\DWGS\C\SHEETS\1289400_E4.DWG

NOTES:

1. SLOPE OF HEADWALL SHALL BE 2:1 OR FLATTER AND SHALL BE DETERMINED BY THE ENGINEER.
2. TRASH RACKS SHALL BE REQUIRED ON HEADWALLS AT UP STREAM ENDS OF CULVERTS ENTERING CLOSED STORM DRAIN SYSTEMS.
3. GRATE 'L' BRACKETS SET 2" INTO WET CONCRETE.
4. IF CORRUGATED PIPE USED, EMPTY WATER FROM CORRUGATIONS ON MITERED ENDS AND THEN COMPLETELY FILL VOIDS WITH CONCRETE GROUT.



CULVERT HEADWALL WITH HINGED TRASH RACK



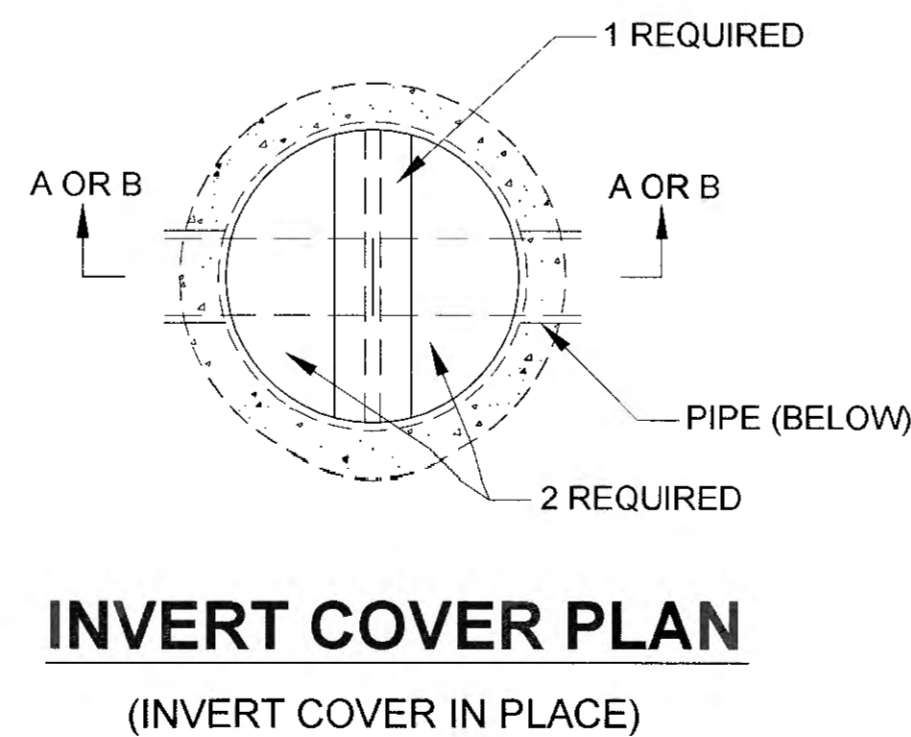
SECTION A-A

SECTION B-B

2 REQUIRED

USE DIMENSION A FOR 48" MANHOLES
USE DIMENSION B FOR 60" MANHOLES

1 REQUIRED



INVERT COVER PLAN

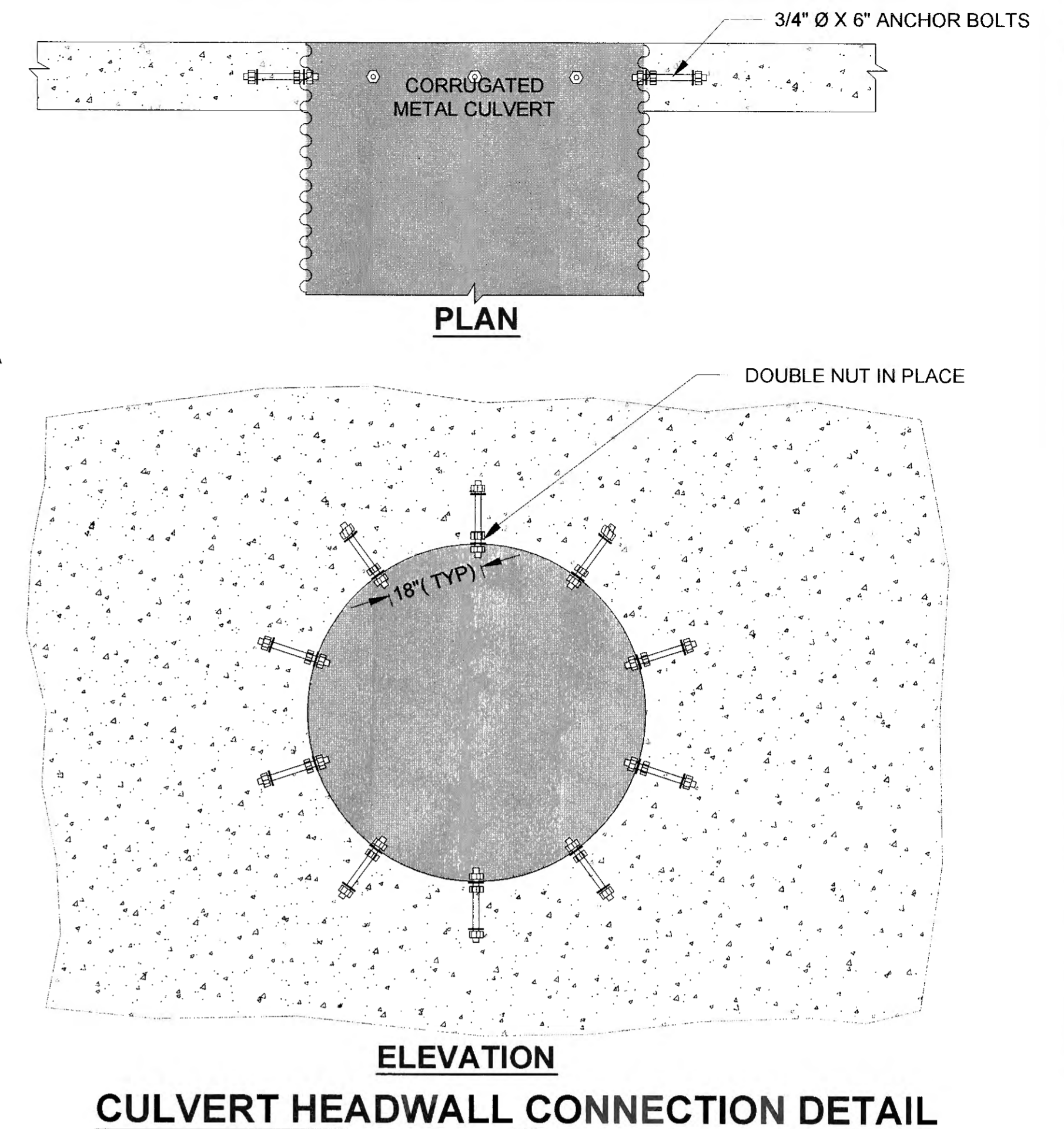
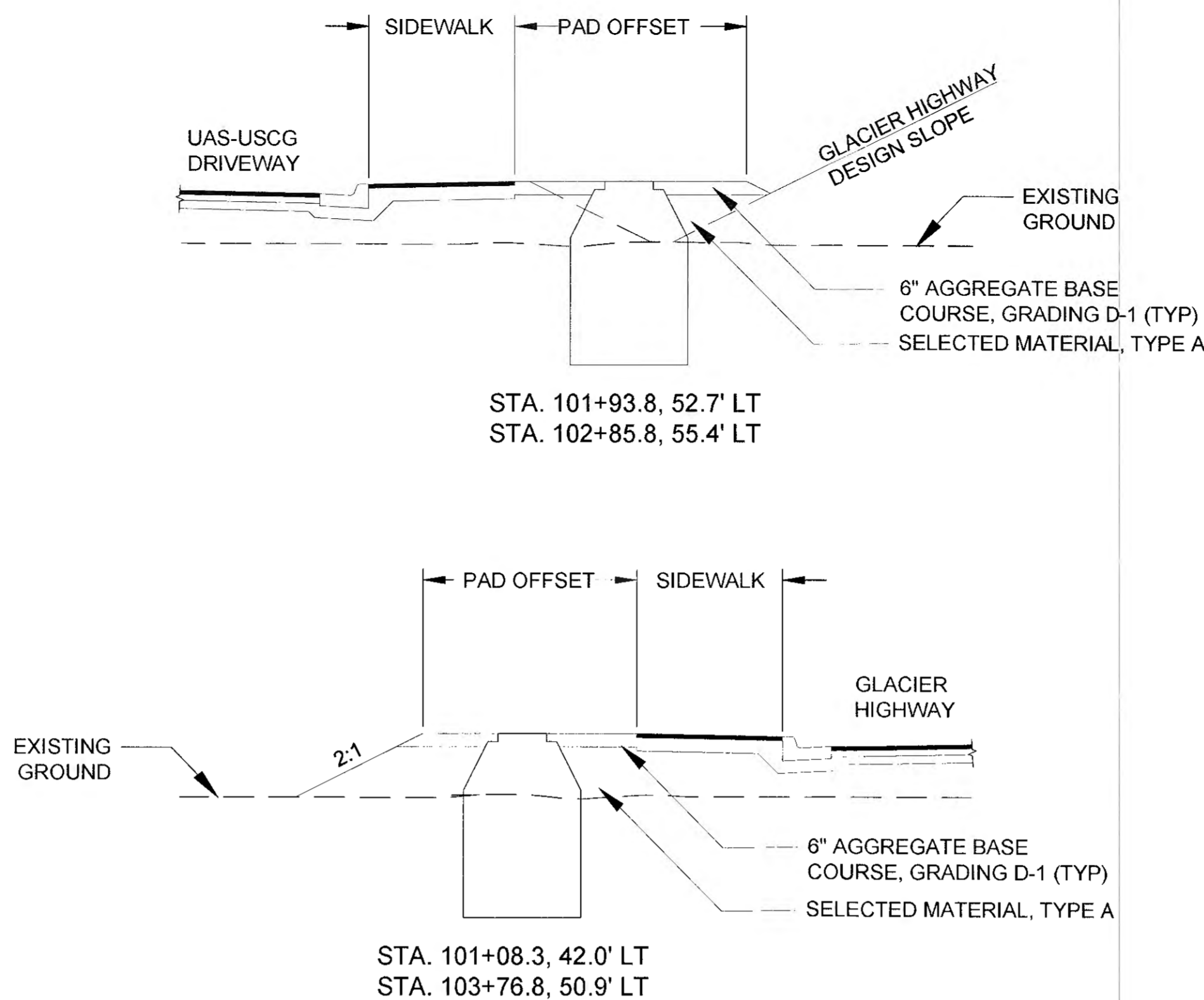
(INVERT COVER IN PLACE)

MANHOLE ADJUST/RECONSTRUCT NOTES:

1. INSTALL INVERT COVER PRIOR TO ADJUSTING/ RECONSTRUCTING MANHOLE. SEE DETAIL THIS SHEET. MAINTAIN INVERT COVER DURING ADJUSTMENT/ RECONSTRUCTION TO PREVENT MATERIAL AND DEBRIS FROM ENTERING THE SEWER SYSTEM.
2. AFTER MANHOLE ADJUSTMENT/ RECONSTRUCTION IS COMPLETE REMOVE INVERT COVER. REMOVE MATERIAL COLLECTED ON TOP OF INVERT COVER PRIOR TO ITS REMOVAL. REMOVE ANY MATERIAL THAT HAS FALLEN INTO THE MANHOLE AS A RESULT OF MANHOLE ADJUSTMENT/ RECONSTRUCTION.

SANITARY SEWER MANHOLE ACCESS PAD DETAILS

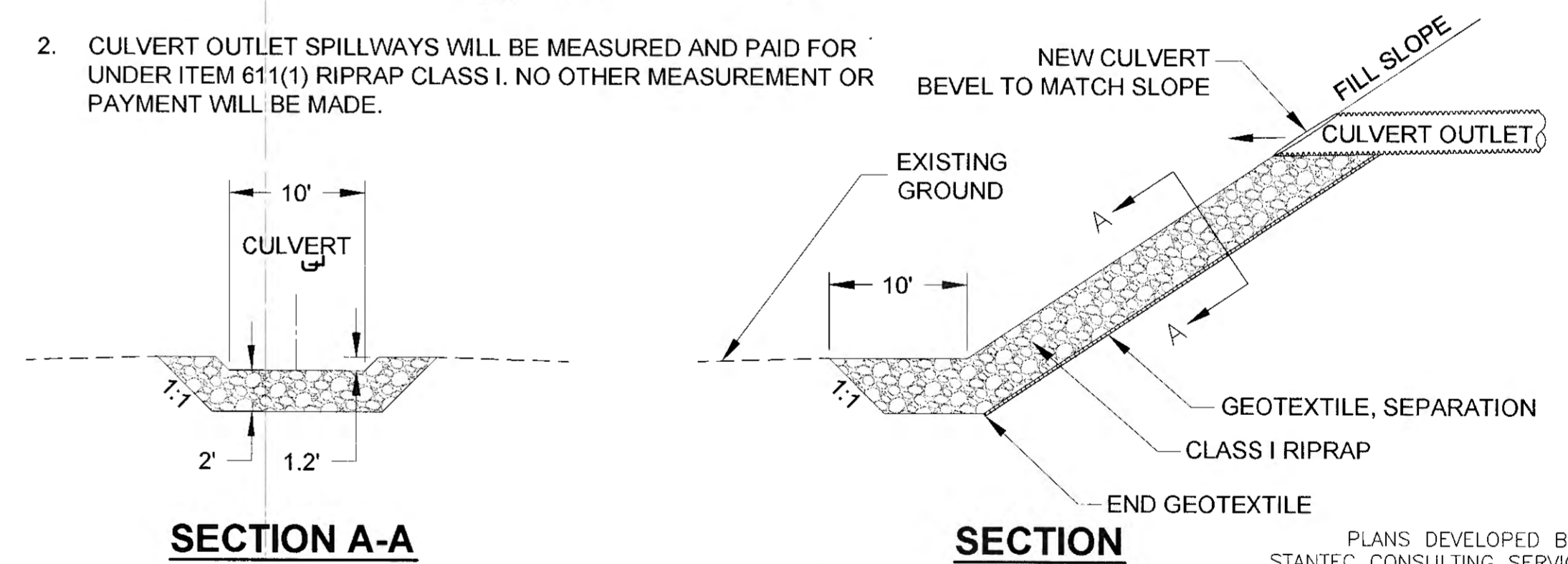
STATION	PAD OFFSET	PAD WIDTH
101+08.3	10.0'	12'
101+93.8	8.2'	12'
102+85.8	12.9'	12'
103+76.8	10.0'	12'



CULVERT HEADWALL CONNECTION DETAIL

NOTES:

1. CONSTRUCT CULVERT OUTLET SPILLWAYS ON CULVERT OUTLETS AS DIRECTED. CULVERT OUTLET SPILLWAY DIMENSIONS MAY BE ADJUSTED TO ACCOMMODATE FIELD CONDITIONS AS DIRECTED.
2. CULVERT OUTLET SPILLWAYS WILL BE MEASURED AND PAID FOR UNDER ITEM 611(1) RIPRAP CLASS I. NO OTHER MEASUREMENT OR PAYMENT WILL BE MADE.



SECTION A-A

SECTION B-B

CULVERT OUTLET SPILLWAY DETAILS

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE TB Date 1/16/2016

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
DRAWN BY: B. PADDOCK

Tuesday, November 08, 2016 2:08:48 PM
TAB: E5

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION
GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

DETAILS

NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			0933039/Z684710000	2016	E5	145

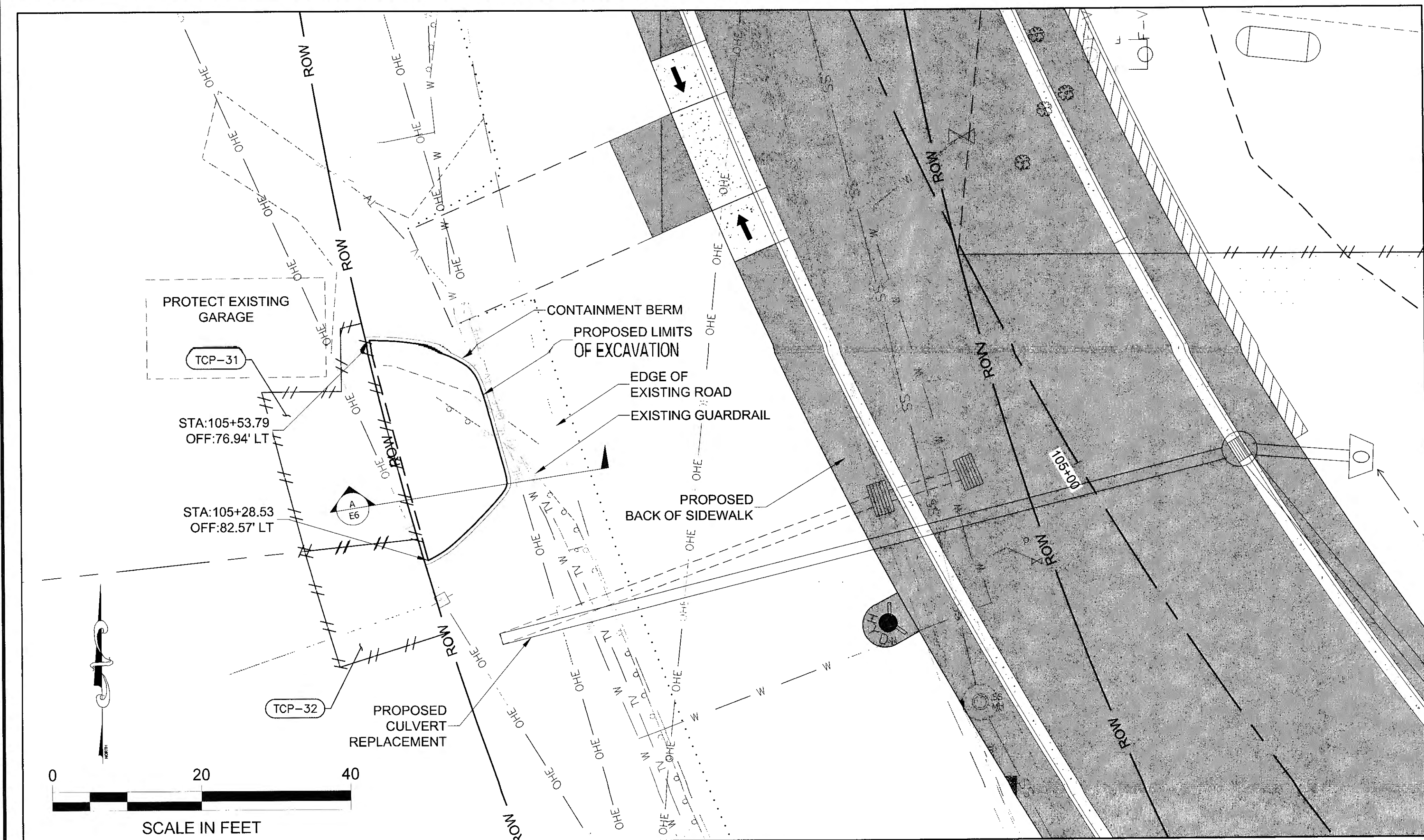
NOTES:

1. INSTALL AND MAINTAIN EROSION CONTROL MEASURES. AT A MINIMUM, A CONTAINMENT BERM SHALL BE CONSTRUCTED AROUND THE EXCAVATION TO PREVENT ANY STORMWATER RUN-ON OR RUNOFF TO/FROM THE EXCAVATION AREA. THE CONTAINMENT BERM SHALL BE AT LEAST 6 INCHES HIGH. PLASTIC SHEETING, IF USED, MUST BE AT LEAST 10 MIL THICK.
2. MANAGE ANY ACCUMULATED STORMWATER COMING IN CONTACT WITH THE EXCAVATED SOIL FACE ACCORDING TO HMCP REQUIREMENTS IN SECTION 641.
3. EXCAVATE THE CONTAMINATED AREA FROM THE TOP OF THE SLOPE TOWARD THE BOTTOM SUCH THAT THE EXCAVATION SURFACE IS ALWAYS BELOW THE EXISTING GRADE.
4. WASTE ACCUMULATION METHODS MAY INCLUDE SURFACE STOCKPILES, DRUMS, OR BULK STORAGE CONTAINERS (SUPER SACKS, TOTES OR BINS), AS APPROPRIATE. TRACK WASTE ACCUMULATION TIME FOR CONTAINERIZED WASTES IN ACCORDANCE WITH 40 CRF 262. DO NOT STORE CONTAINERIZED WASTE ON SITE FOR MORE THAN 90 DAYS. MANAGE IN A MANNER THAT PREVENTS RELEASE OF CONTAMINATION TO THE GROUND OR AIR.
5. EXCAVATE TO LIMITS DIRECTED BY THE ENGINEER. DO NOT GO BEYOND TCP LIMITS.
6. SEGREGATE BOULDERS, DEBRIS, ETC. AS DIRECTED BY ENGINEER.
7. TEMPORARY EXCAVATION SLOPES SHALL NOT BE STEEPER THAN 1 HORIZONTAL TO 1 VERTICAL (1H:1V). STEEPER SLOPES MAY BE ALLOWED IF APPROVED BY THE ENGINEER.
8. COVER THE EXCAVATION AREA WITH PLASTIC SHEETING DAILY. STORMWATER ACCUMULATED OVER CLEAN PLASTIC SHEETING THAT HAS NOT COME INTO CONTACT WITH ANY SOIL MAY BE DISCHARGED ON THE GROUND SURFACE.
9. IF STOCKPILING MATERIAL, 10 MIL PLASTIC SHEETING MUST BE USED ON THE GROUND, WITH EDGES BERMED SUCH THAT NO STORMWATER RUN-ON OR RUNOFF OCCURS FROM THE STOCKPILE. COVER THE STOCKPILE WITH PLASTIC SHEETING. ALL LOADS LEAVING THE WORK AREA MUST BE COVERED (TARP OVER DUMP TRUCK).
10. COORDINATE WITH THE ENGINEER TO CREATE PROPER SHIPPING MANIFESTS. TRANSPORT AND DISPOSE OF CONTAMINATED MATERIAL AS REQUIRED.
11. IN AREAS OUTSIDE OF OTHER ROADWAY CONSTRUCTION, BACKFILL THE EXCAVATION WITH NATIVE SOIL, OR AS DIRECTED BY THE ENGINEER, UP TO 6 INCHES FROM FINISH GRADE. BACKFILL SHALL BE PLACED IN 12 INCH LIFTS AND COMPACTED TO THE SATISFACTION OF THE ENGINEER.
12. PLACE 6 INCHES OF TOPSOIL TO MATCH ORIGINAL GRADE AND SEED WITH NATIVE GRASS SEED.
13. PROVIDE WATER FOR SEEDED AREAS UNTIL VEGETATION IS ESTABLISHED.

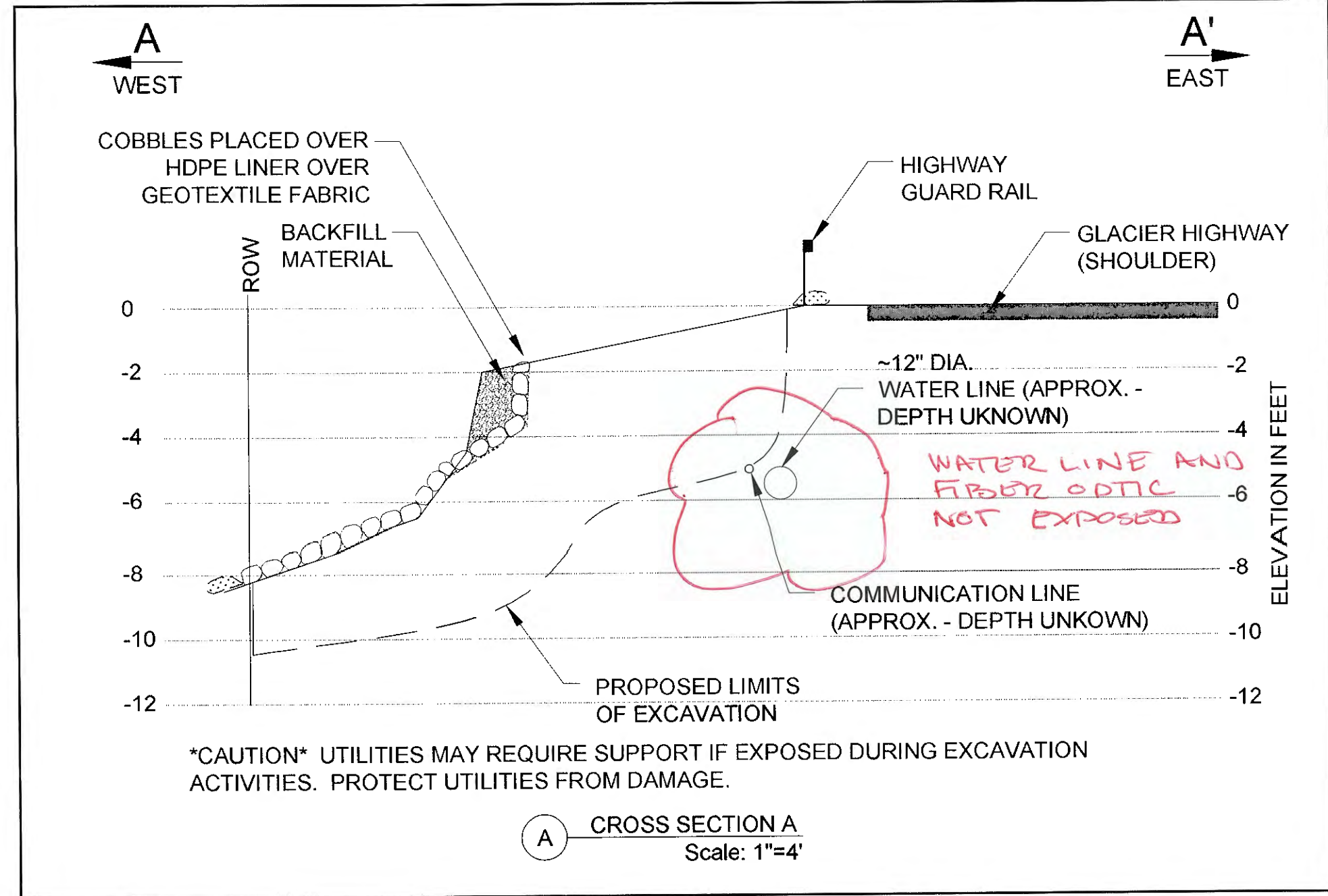
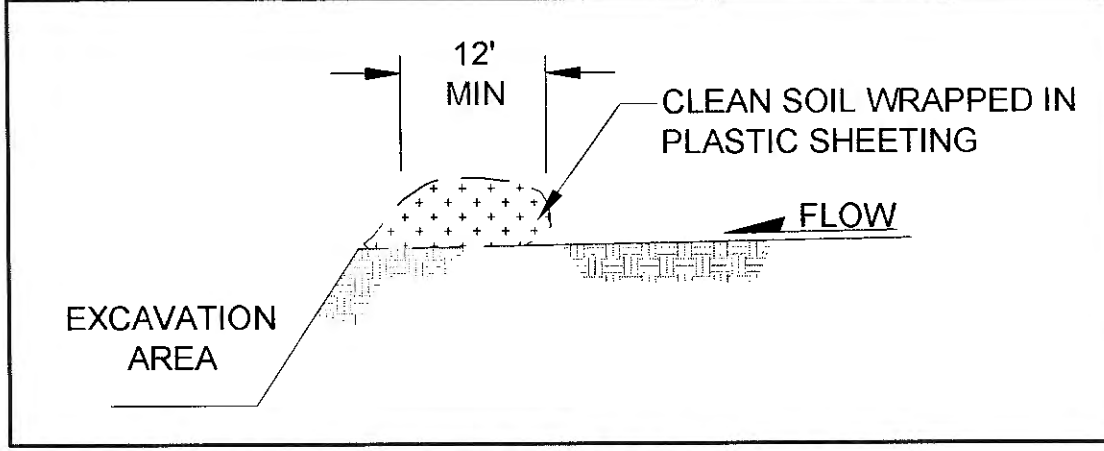
PLANS DEVELOPED BY:
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725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

TAB. E6

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN VIEW



CONTAMINATED SOILS EXCAVATION

PLAN LEGEND

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
DRAWN BY: B. PADDOCK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION

**GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE**

DETAILS

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
E6	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE: JB Date: 1/16/2017

PATH: U:\2014\700154\DWGS\C\SHEETS\1289400_E6.DWG

H-PILE FOUNDATION NOTES:

INSTALLATION

CALL FOR LOCATES
 RELOCATE COM RISERS TO NW QUADRANT OF POLE.
 ANCHORS SHALL BE 24 INCH CROSS PLATES WITH 3/4 INCH DIAMETER RODS, MINIMUM. USE A TWIN EYE NUT ON COM ANCHOR (1).
 * AEL&P CONDUCTORS TO BE REMOVED FOR PILE DRIVING BY OTHERS.
 ** COMMUNICATION CABLES TO REMAIN ON POLE DURING PILE DRIVING.
 *** ACS TO REMOVE 100 PR CABLE AND MESSENGER TO 12832 PRIOR TO PILE DRIVING.
 **** NEW PERMANENT COM DOWN GUYS BASED ON MAXIMUM ALLOWABLE NESC TENSION IN MESSENGER.

H-PILE ALIGNMENT-
 (ALIGN H-PILE FLANGES IN THE SAME DIRECTION AS THE PRIMARY CONDUCTORS ON THE POLE.)
 INSTALL H-PILE SNUG AGAINST EXISTING WOOD POLE.

PILE DRIVING-
 CONTRACTOR SHALL FURNISH EQUIPMENT OF SUFFICIENT SIZE TO INSTALL THE PILES TO THE INDICATED DEPTHS. EQUIPMENT SHALL BE MAINTAINED IN GOOD OPERATING CONDITION AT ALL TIMES DURING INSTALLATION AND SHALL BE ABLE TO OPERATE AT ITS FULL-RATED CAPACITY. ANY HAMMER THAT CAUSES DAMAGE TO THE PILES DURING DRIVING OPERATIONS SHALL BE SUBSTITUTED WITH AN ACCEPTABLE ALTERNATE HAMMER AT NO ADDITIONAL EXPENSE. IMPACT HAMMERS SHALL BE SUPPLIED WITH NEW CAPBLOCK CUSHIONS. WHICH SHALL BE CHANGED AT THE MANUFACTURER'S RECOMMENDED CYCLE. THE CONTRACTOR'S DRIVING PLAN SHALL INCLUDE MANUFACTURER'S RECOMMENDATIONS AND INFORMATION ON HAMMER CUSHION.

PILES SHALL BE DRIVEN TO REQUIRED EMBEDMENT AS SHOWN. ALL PILE INSTALLATION SHALL BE CONDUCTED WITH AN OWNER'S REPRESENTATIVE PRESENT. A PILE DRIVING PLAN SHALL BE SUBMITTED FOR REVIEW AND APPROVAL FIVE DAYS PRIOR TO DRIVING.

CONTRACTOR SHALL ACCURATELY RECORD THE FOLLOWING DATA FOR EACH DRIVEN PILE AND SUBMIT NO LATER THAN 2 DAYS AFTER DRIVING:

1. PROJECT NAME, CONTRACT NAME AND NUMBER, AND CONTRACTOR NAME.
2. LOCATION OF PILE
3. PILE SIZE, EMBEDMENT DEPTH, AND REVEAL LENGTH
4. NATURE AND LOCATION OF OBSTRUCTIONS.
5. TYPE, SIZE, AND RATE OF OPERATION OF EQUIPMENT USED FOR DRIVING PILES
6. CONTINUOUS RECORD OF NUMBER OF BLOWS FOR EACH FOOT OF PENETRATION FOR IMPACT HAMMERS AND NUMBER OF SECONDS TO ADVANCE EACH FOOT FOR VIBRATORY HAMMERS.
7. RECORD OF ALL DEVIATIONS IN METHODS AND RESULTS

SUBMITTALS


THE FOLLOWING IS A LIST OF REQUIRED SUBMITTALS FOR THIS PROJECT.

1. SCHEDULE AND WORK PLAN
2. PILE EQUIPMENT/METHODS PLAN
3. PILE DRIVING RECORDS

ELABORATE POLE SHORING NOT REQ'D NEAR CAUSE FOR CLAIM

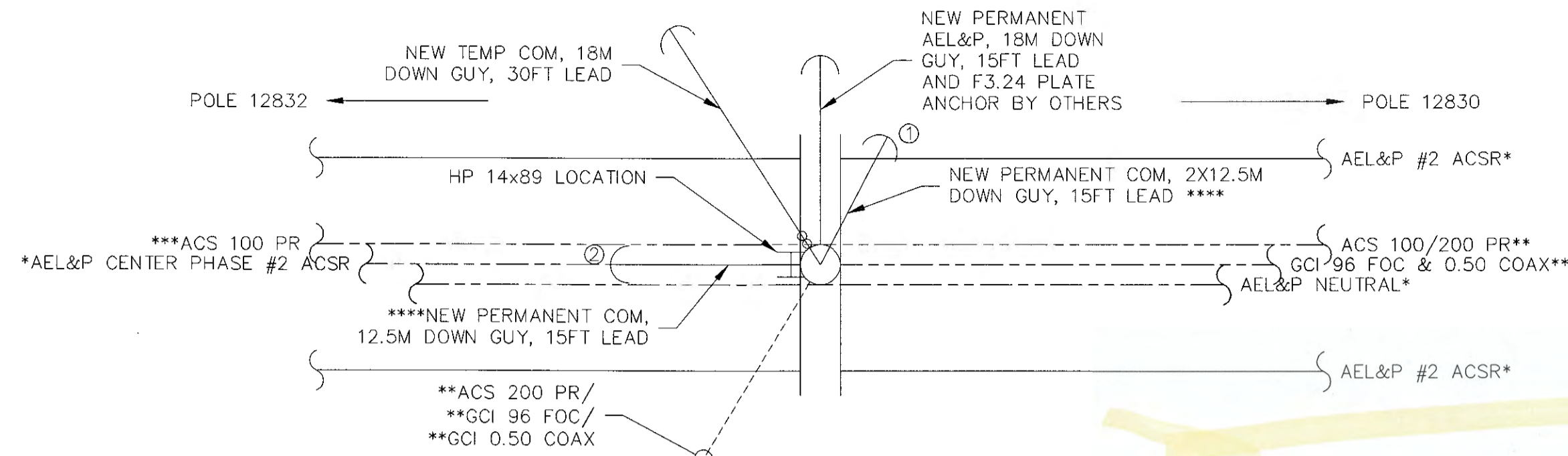
PLANS DEVELOPED BY:
 ELECTRIC POWER SYSTEMS, INC.
 3305 ARCTIC BLVD, SUITE 201
 ANCHORAGE, AK 99503-4575
 (907)522-1953

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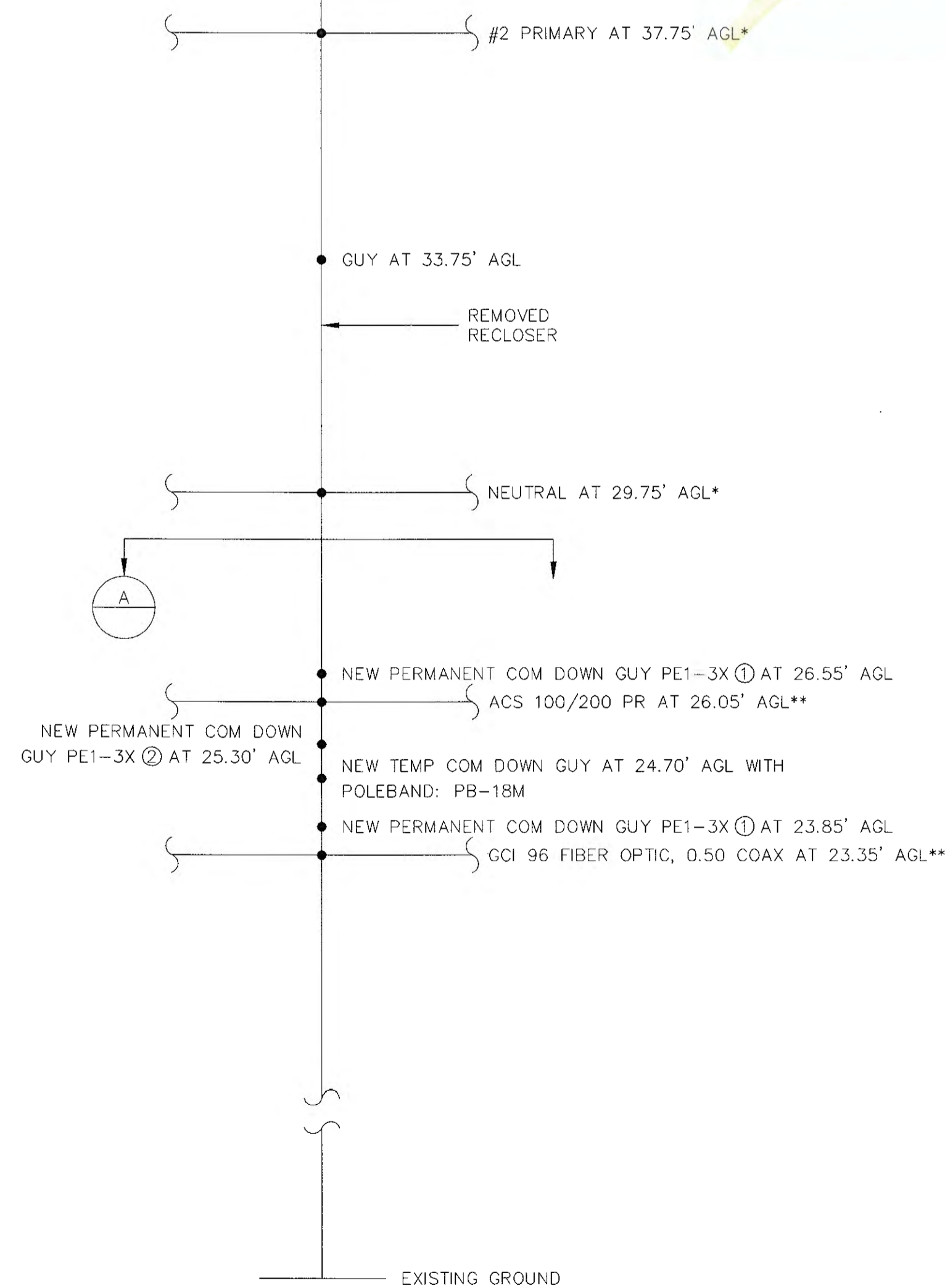
CHECKED BY: M. SMITH  DESIGNED BY: M. SMITH DRAWN BY: M. SMITH		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE POLE SHORING FOR 12831 STA 93+02, 50' RT	
Thursday, August 04, 2016 2:31:52 PM TAB: E7		PROJECT DESIGNATION: 0933039/Z684710000 YEAR: 2016 SHEET NO.: E7 TOTAL SHEETS: 145	
NO.	DATE	REVISIONS DESCRIPTION	

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: TJB Date: 1/6/2020

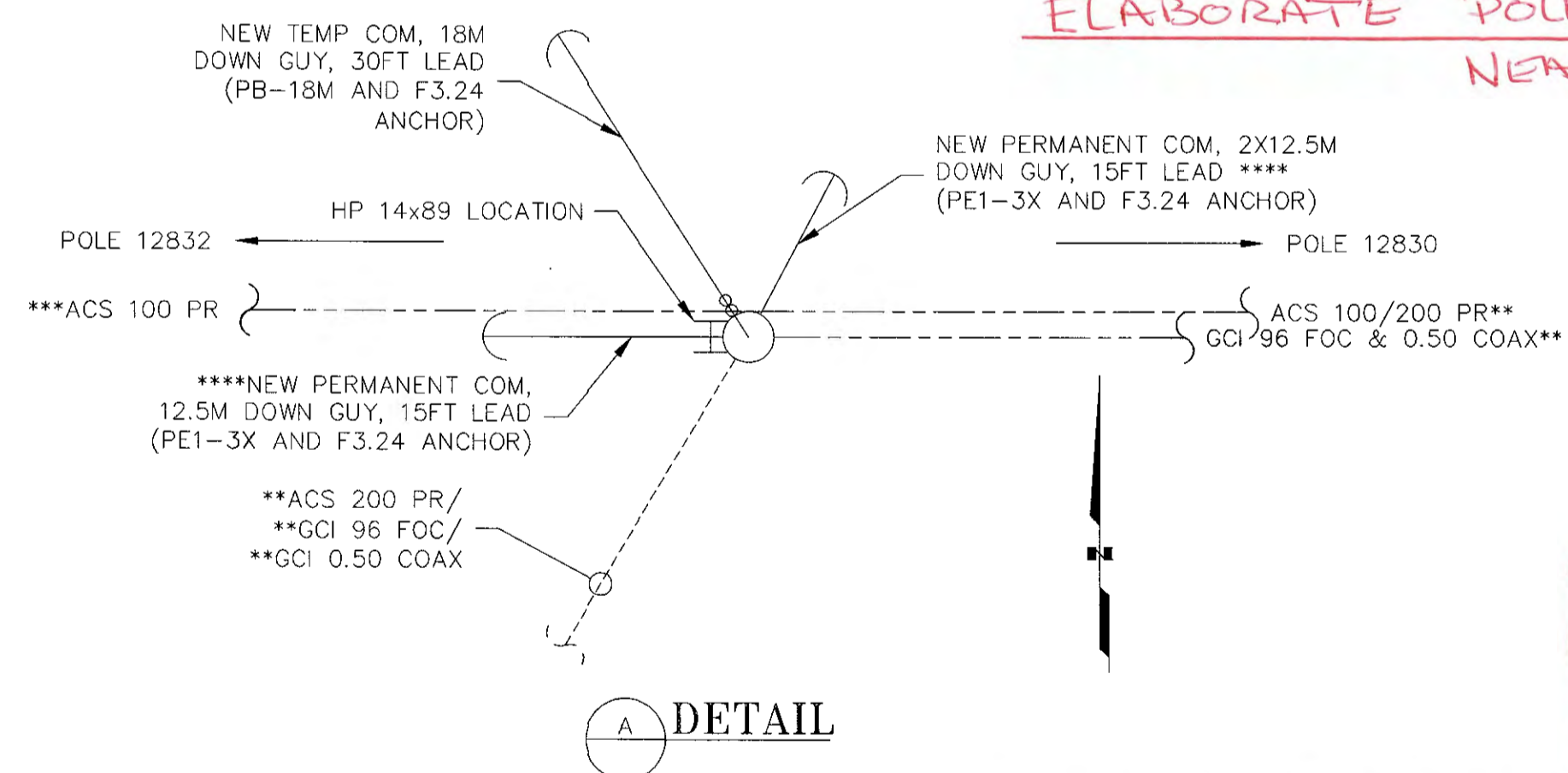
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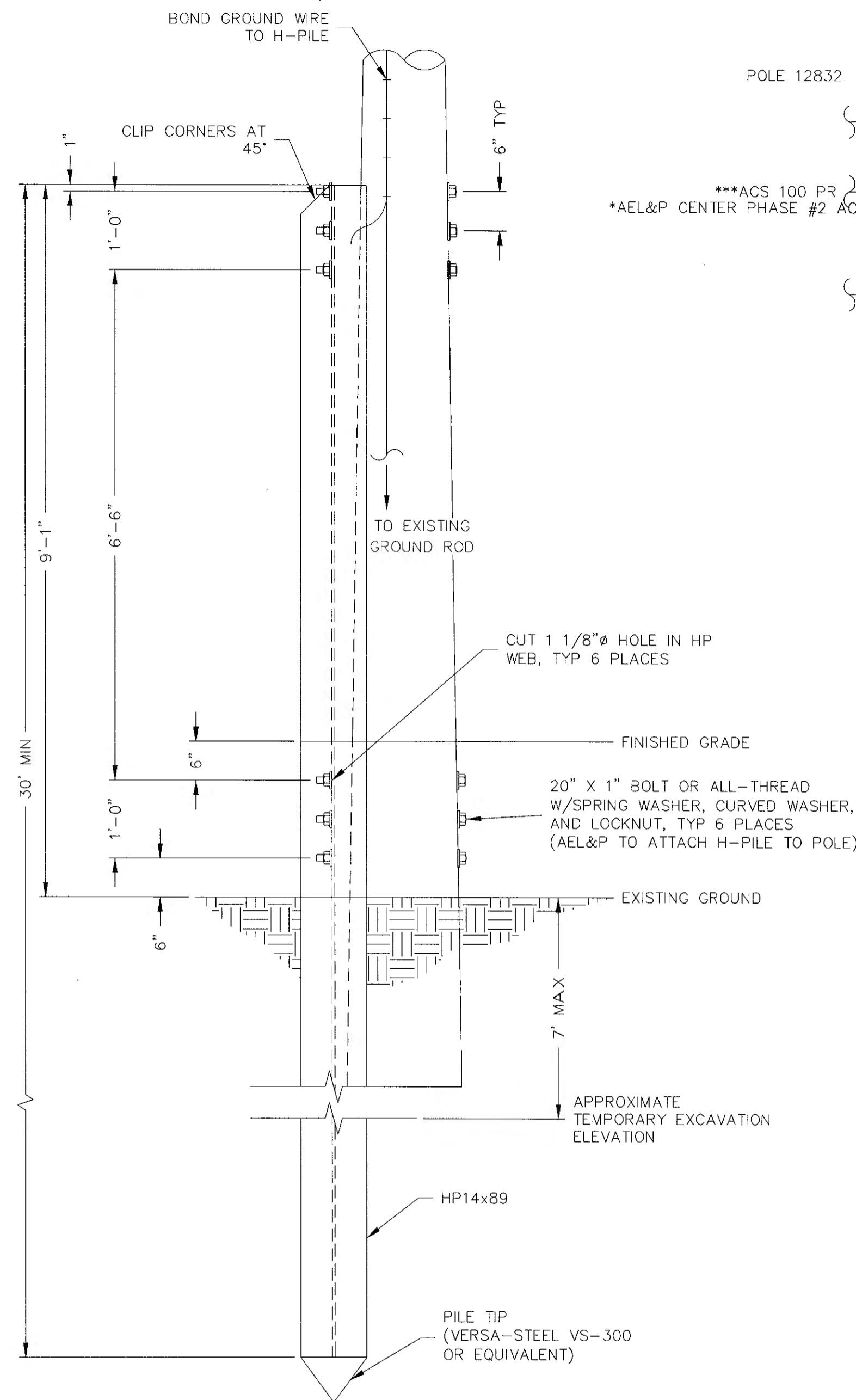
CONDUCTOR PLAN VIEW



ATTACHMENT HEIGHT PROFILE VIEW

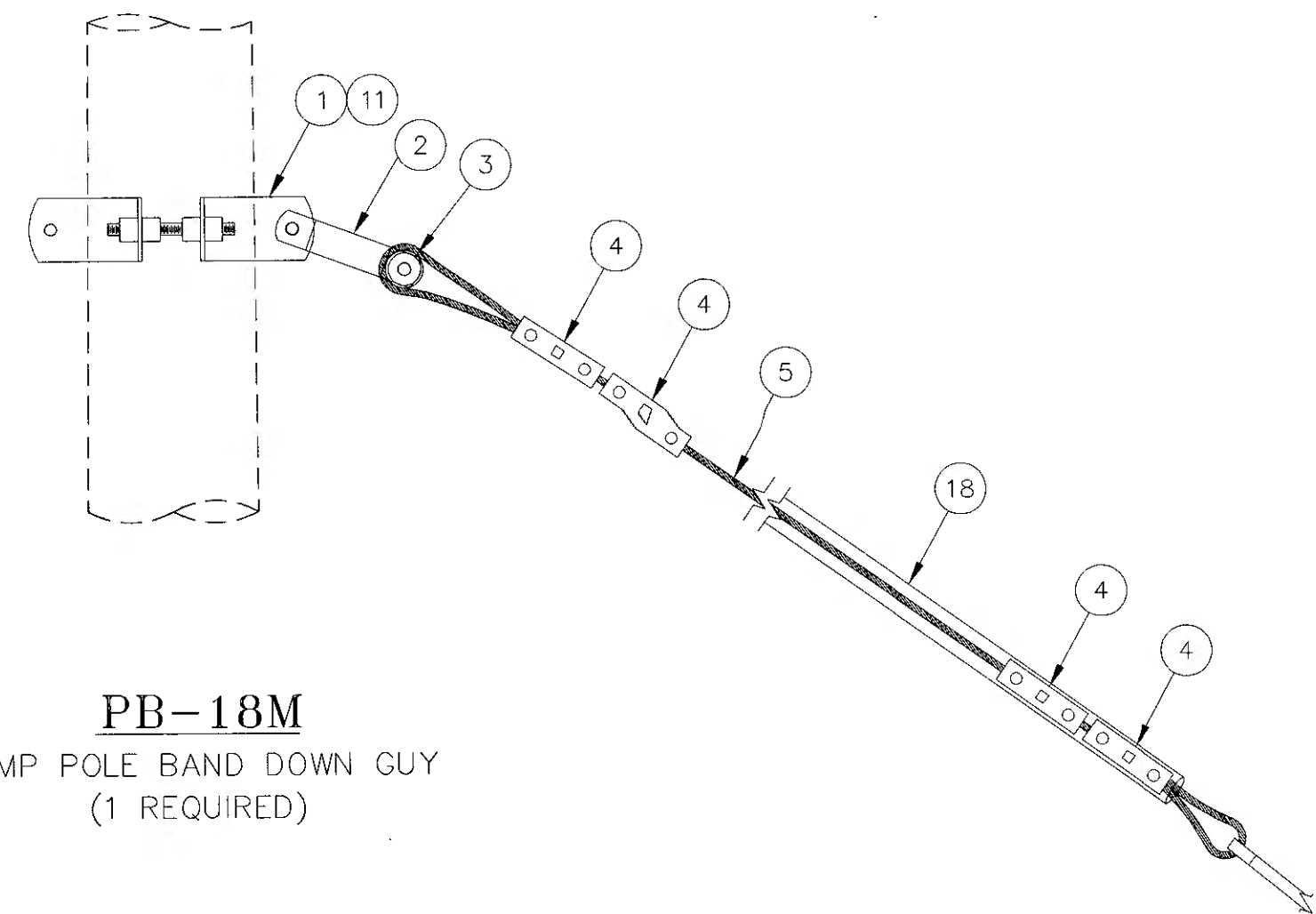


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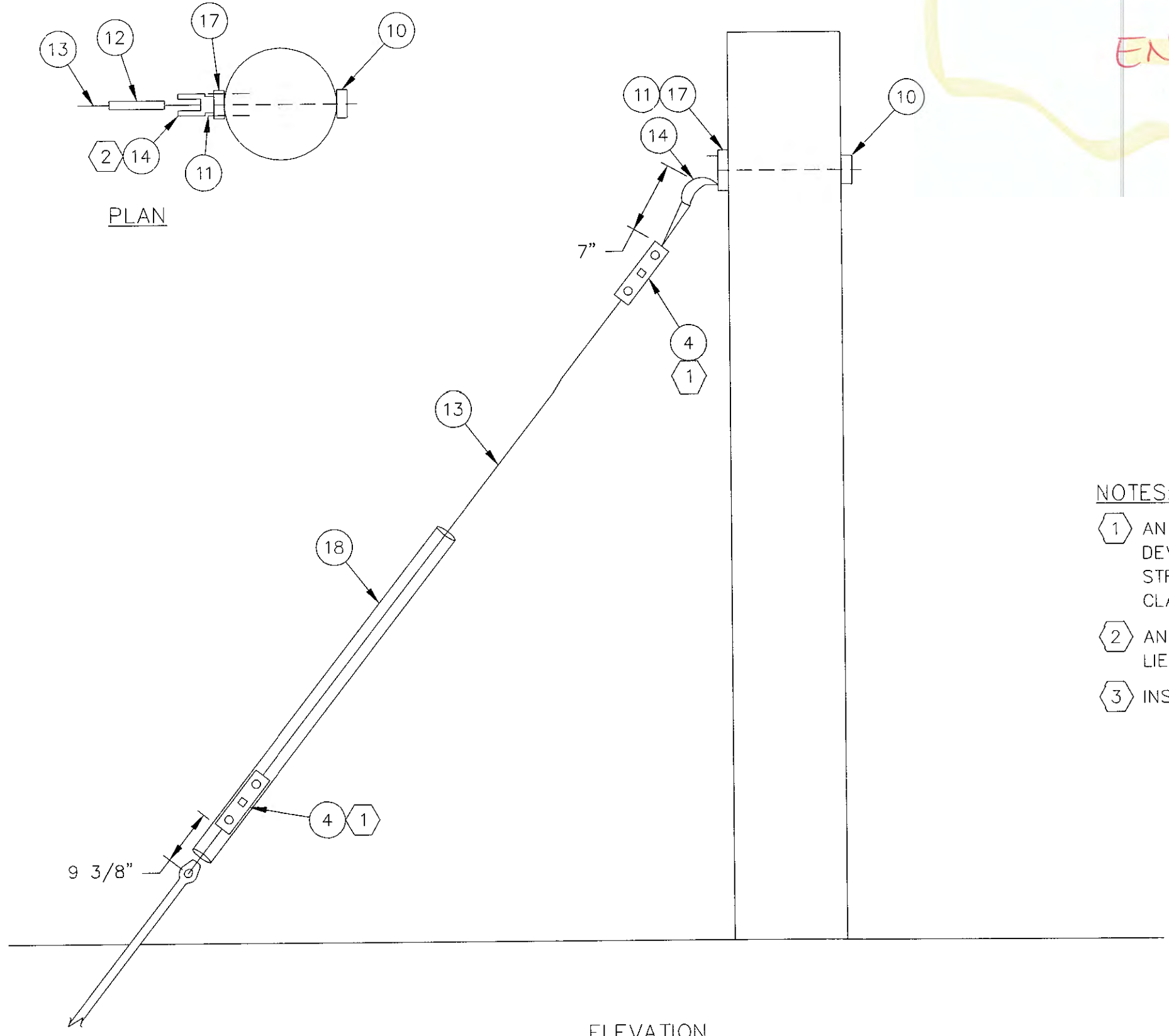


HP14x89 H-PILE FOUNDATION FOR WOOD POLE

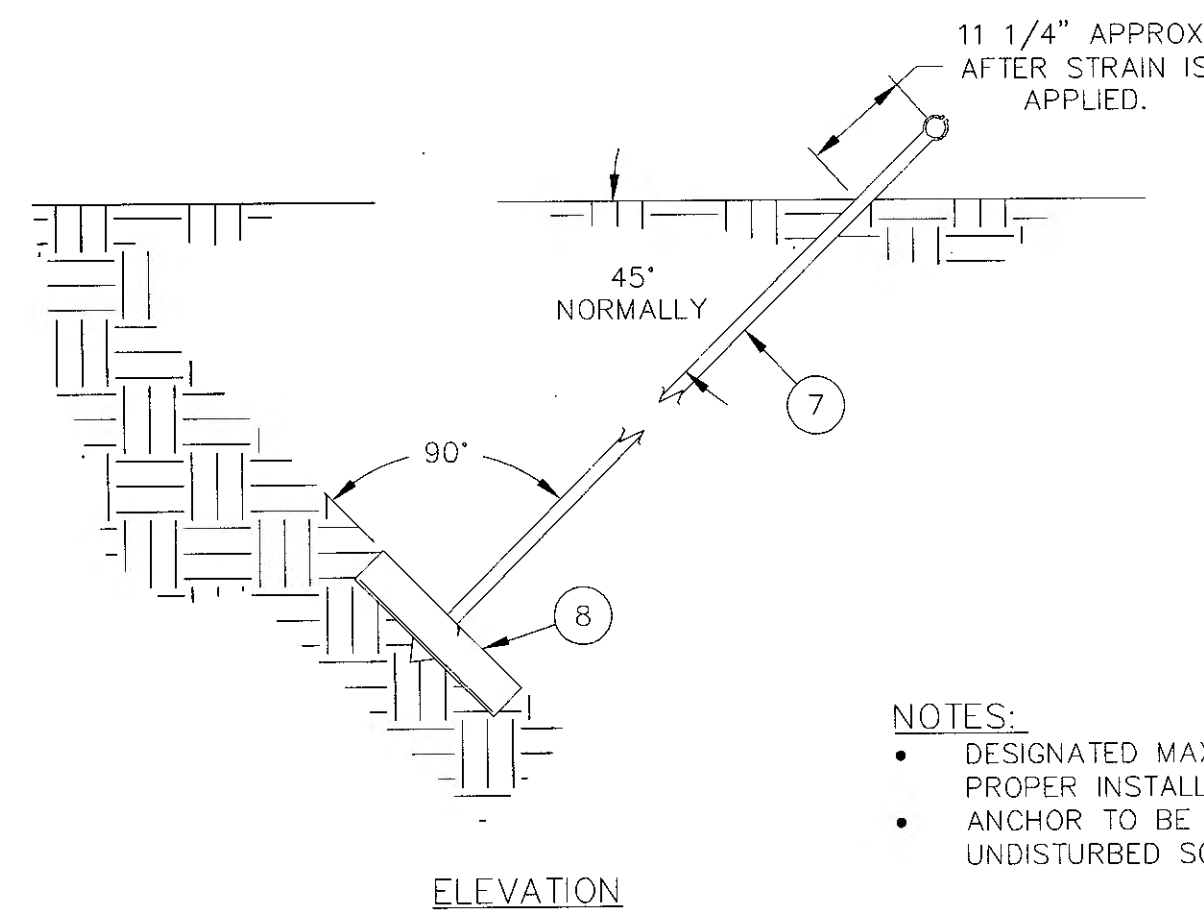
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PB-18M
TEMP POLE BAND DOWN GUY
(1 REQUIRED)



PE1-3X
SINGLE COM DOWN GUY 12.5M
(3 REQUIRED)



F3.24
CROSS PLATE ANCHOR, 24"
DESIGN PARAMETERS:
DESIGNATED MAXIMUM HOLDING POWER (LBS.)
F3.24: 23,000
(3 REQUIRED)

- NOTES:
- DESIGNATED MAXIMUM HOLDING POWER RATING ASSUMES PROPER INSTALLATION IN COMPACTED SOILS.
 - ANCHOR TO BE INSTALLED PERPENDICULAR TO UNDISTURBED SOILS.

ITEM	QTY/ASSEMBLY			DESCRIPTION	MANUFACTURE/CATALOG #
	PB-18M	F3.24	PE1-3X		
1	1	-	-	4-WAY POLE BAND ASSEMBLY	MACLEAN J6641
2	1	-	-	CONNECTING LINK	MACLEAN J6650
3	1	-	-	GUY ROLLER	MACLEAN J6288
4	4	-	2	THREE BOLT CLAMP	MACLEAN J930
5	50'	-	-	18M GUY WIRE	ALUMOWELD 18M
7	-	1	-	ROD, ANCHOR, TWIN EYE, 3/4" X 8'-0"	MACLEAN J7528
8	-	1	-	ANCHOR, PLATE TYPE, 24"	MACLEAN J3524-3/4
10	-	-	1	WASHERS, CURVED, 2 1/2" X 2 1/2" X 3/16", 11/16" HOLE	MACLEAN J6822
11	4	-	2	SCREWS, LAG, 1/2" X 4"	-
13	-	-	REQ'D LGTH	STRAND, GUY 12.5M	ALUMOWELD 12.5M
15	-	-	1	BOLTS, ANGLE, THIMBLEYE, 5/8" X REQUIRED LENGTH	MACLEAN J8153
17	-	-	1	PLATES, LIFT, CURVED, 7" X 2 1/2" X 1/4"	MACLEAN J7896
18	1	-	1	GUARD, GUY, YELLOW	MACLEAN J5718

THIS SHEET WAS DELETED IN ITS ENTIRETY BY CO#16.

- NOTES:
- AN EQUIVALENT GUY TERMINATING DEVICE RATED TO DEVELOP THE STRENGTH OF THE APPROPRIATE GUY STRAND MAY BE USED IN LIEU OF THE 3-BOLT GUY CLAMPS LISTED.
 - AN EQUIVALENT GUY ATTACHMENT MAY BE USED IN LIEU OF THE LIFT PLATE AND ANGLED THIMBLEYE BOLT.
 - INSTALL A GUY GUARD ON EACH DOWN GUY.

PLANS DEVELOPED BY:
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3305 ARCTIC BLVD, SUITE 201
ANCHORAGE, AK 99503-4575
(907)522-1953

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<p>CHECKED BY: M. SMITH</p> <p>DESIGNED BY: M. SMITH DRAWN BY: M. SMITH</p> <p>Thursday, August 04, 2016 2:32:49 PM TAB: E8</p>	<p style="text-align: center;">STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION</p> <p style="text-align: center;">GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE</p> <p style="text-align: center;">POLE SHORING FOR 12831 STA 93+02, 50' RT COM GUY/ANCHOR DETAILS</p>						
<p>REVISIONS</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION				<p>PROJECT DESIGNATION: 0933039/Z684710000</p> <p>YEAR: 2016</p> <p>SHEET NO.: E8</p> <p>TOTAL SHEETS: 145</p>
NO.	DATE	DESCRIPTION					

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE: TB Date: 8/10/2016

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 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

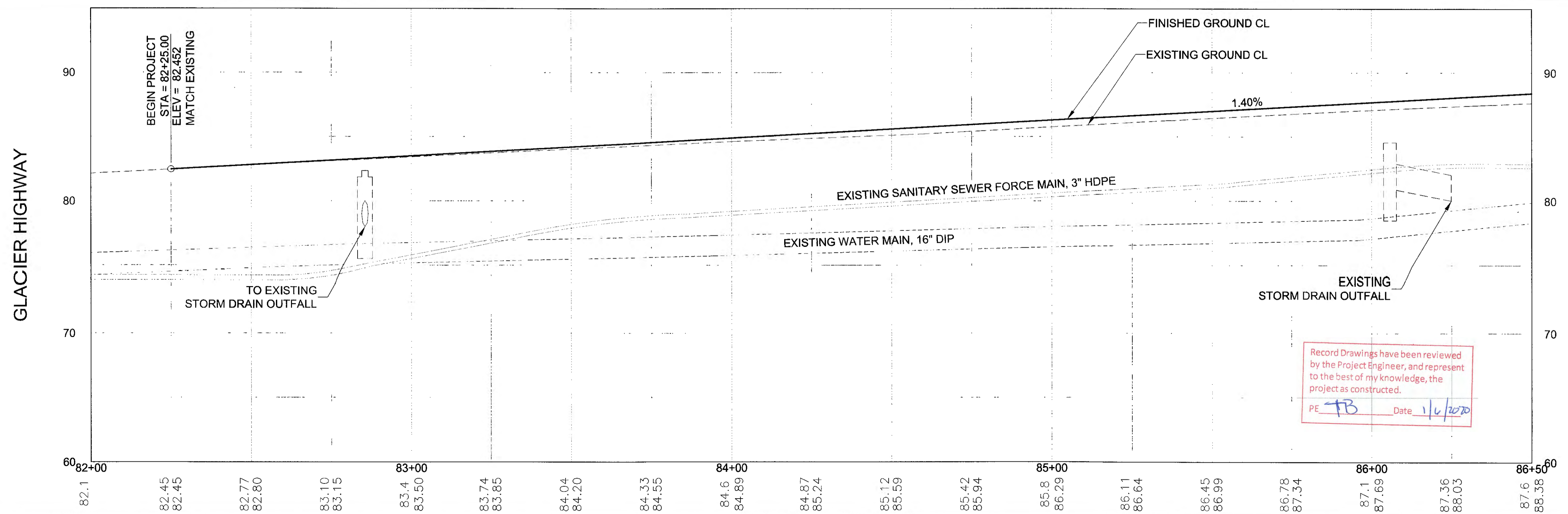
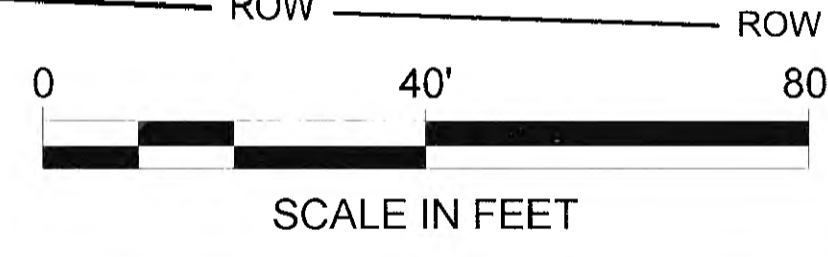
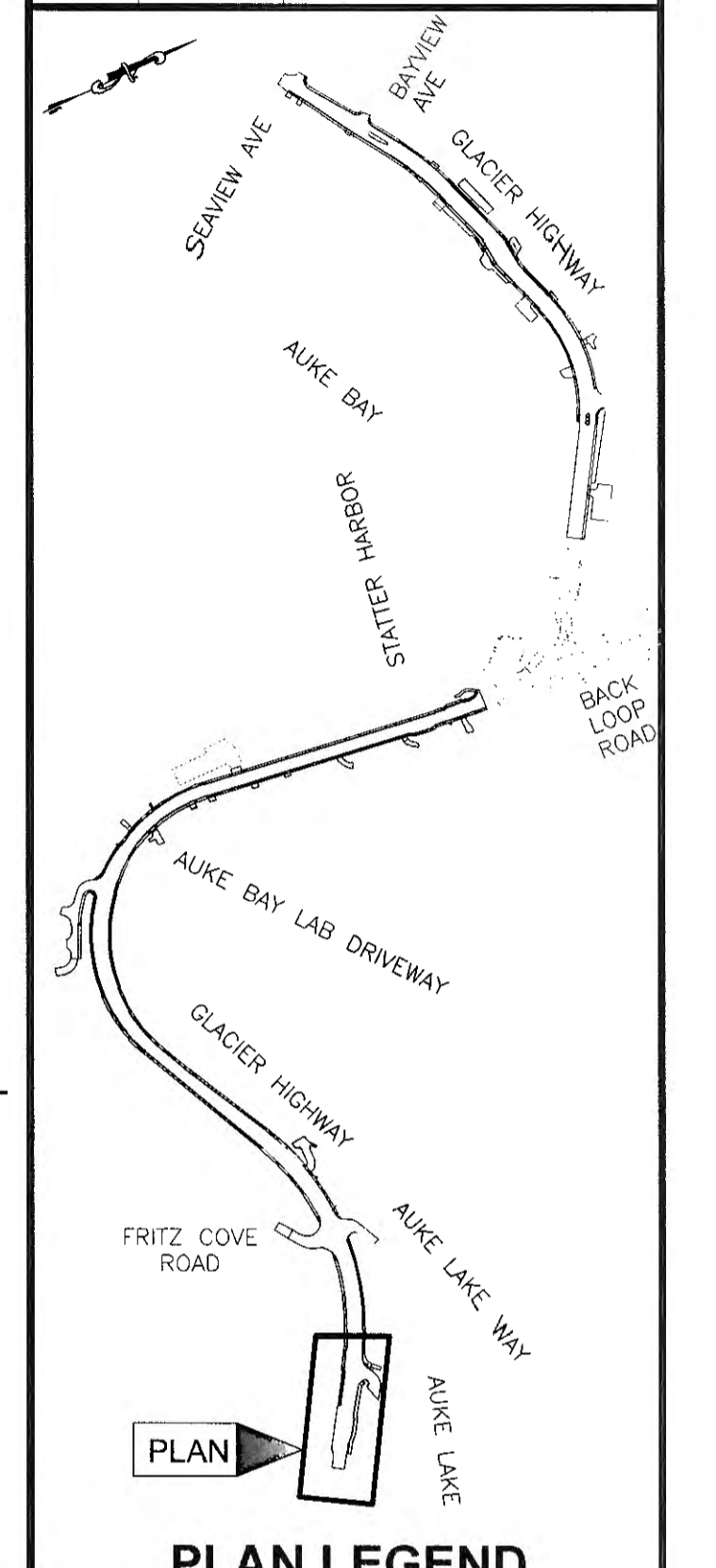
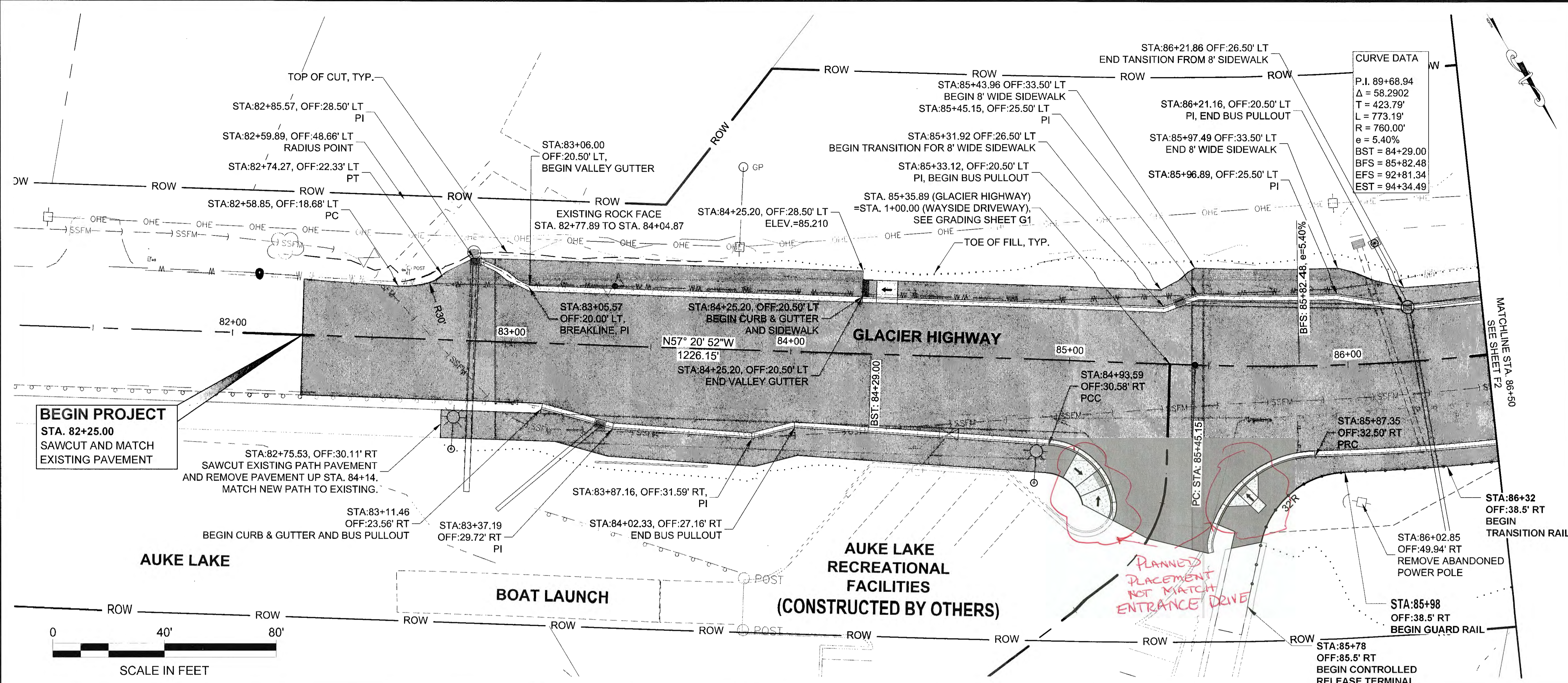
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *TJB* Date *1/6/2020*

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK

DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

GLACIER HIGHWAY PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

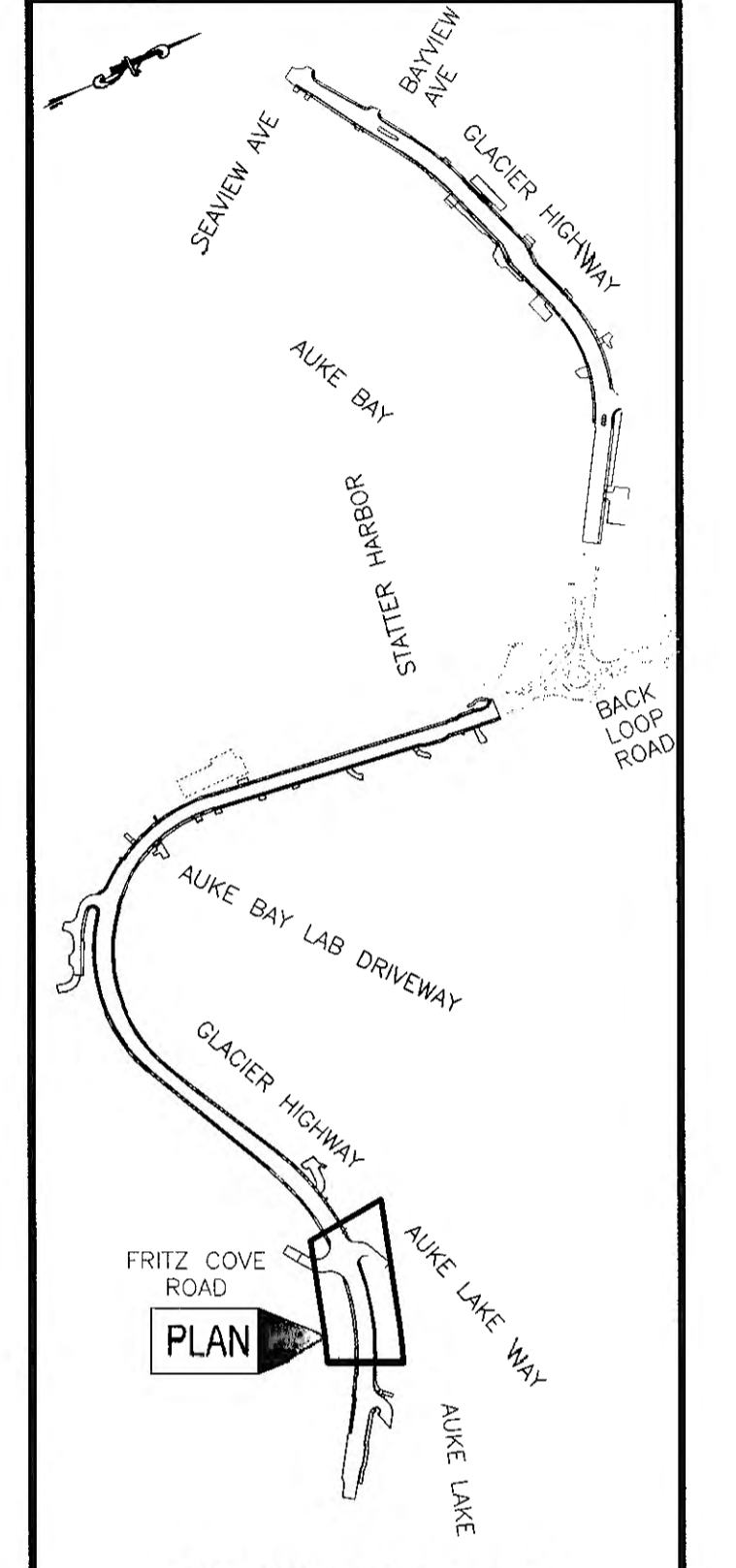
SHEET NUMBER	TOTAL SHEETS
F1	145

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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
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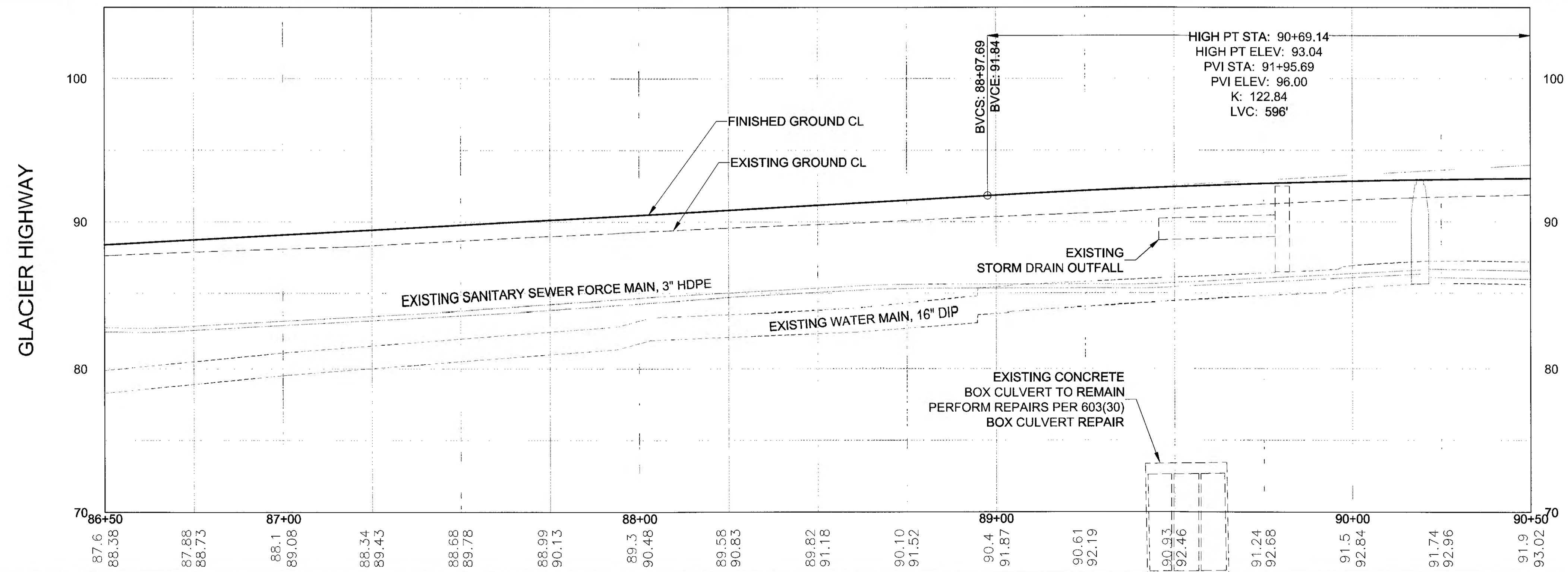
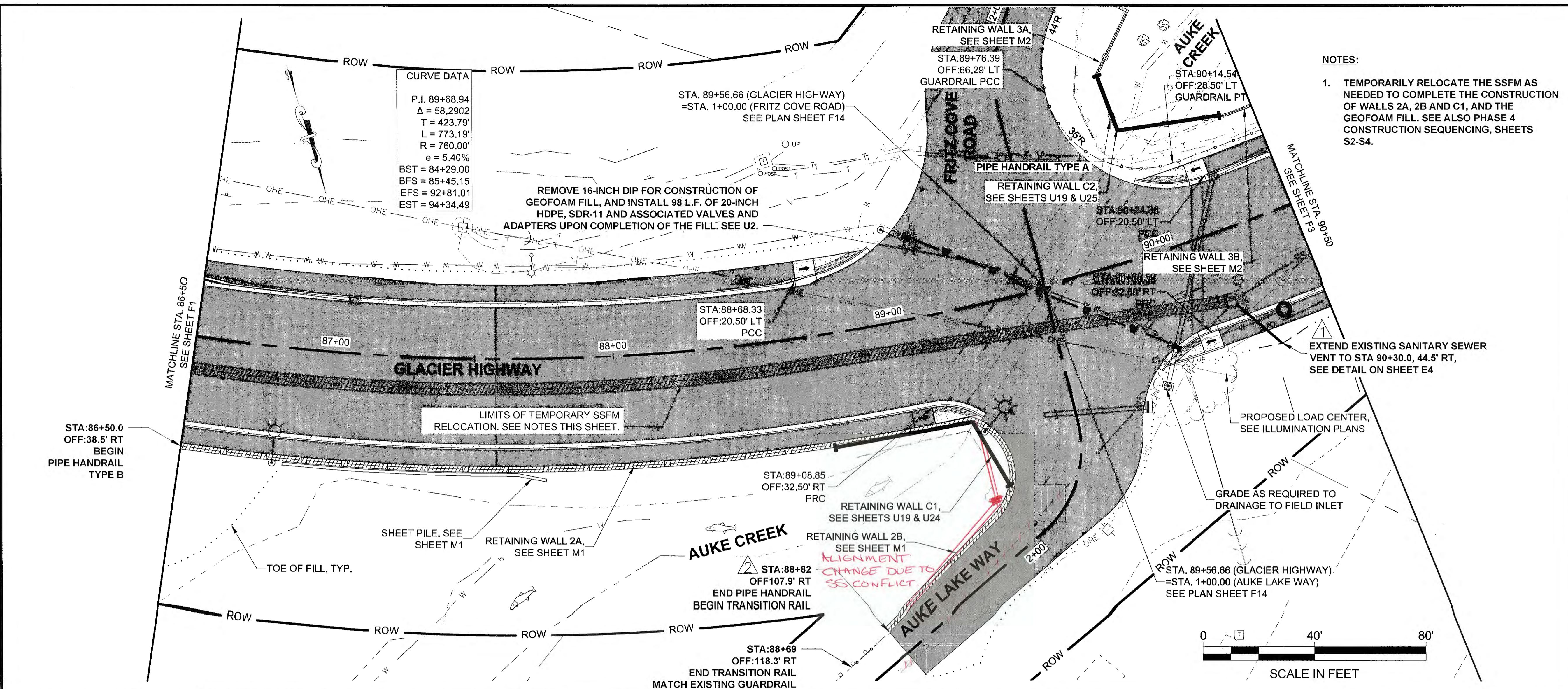
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	ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	12/05/16	ADDED SEWER VENT LINE
2	12/16/16	MODIFIED STATION



PLAN LEGEND

- NOTES:
- TEMPORARILY RELOCATE THE SSFM AS NEEDED TO COMPLETE THE CONSTRUCTION OF WALLS 2A, 2B AND C1, AND THE GEOFOAM FILL. SEE ALSO PHASE 4 CONSTRUCTION SEQUENCING, SHEETS S2-S4.



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/4/2025

CHECKED BY: S. KARI

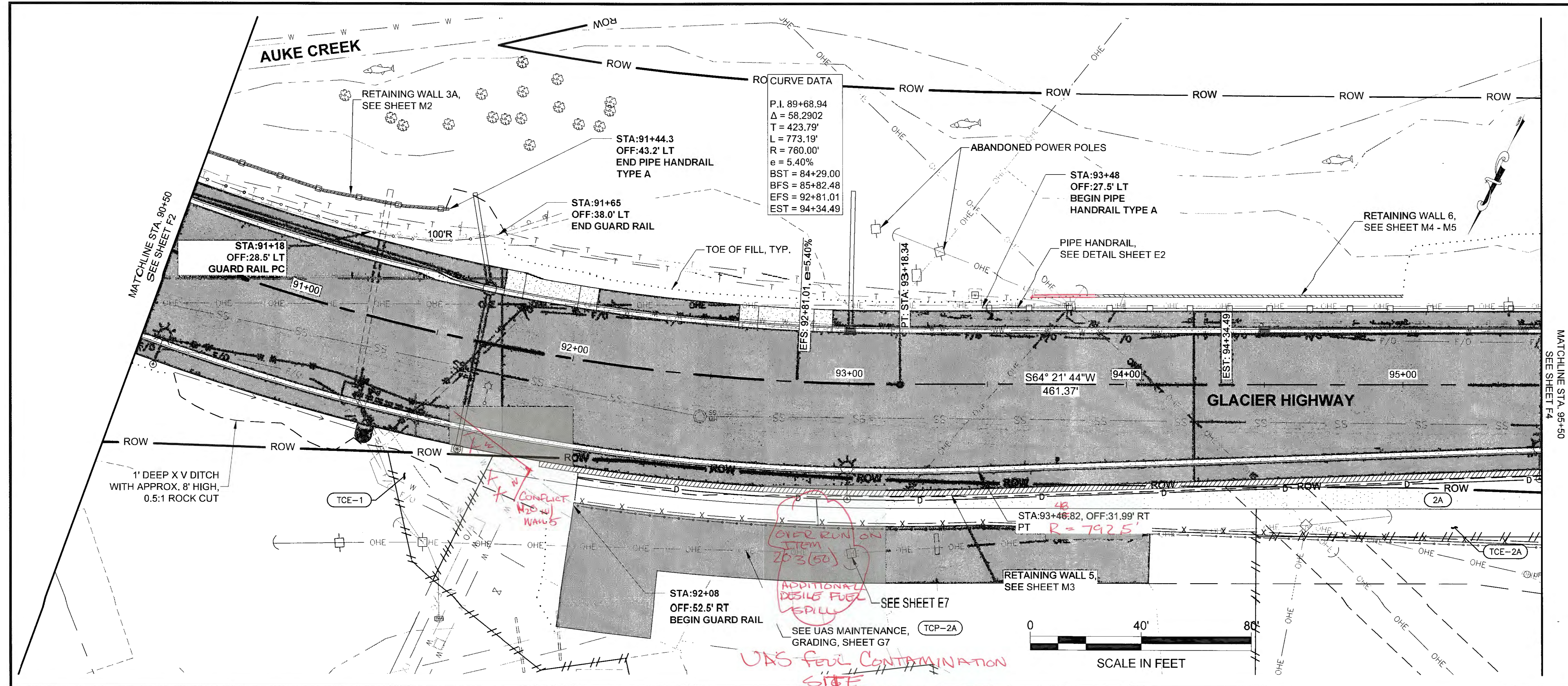
DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

PROJECT DESIGNATION
0933039/Z684710000

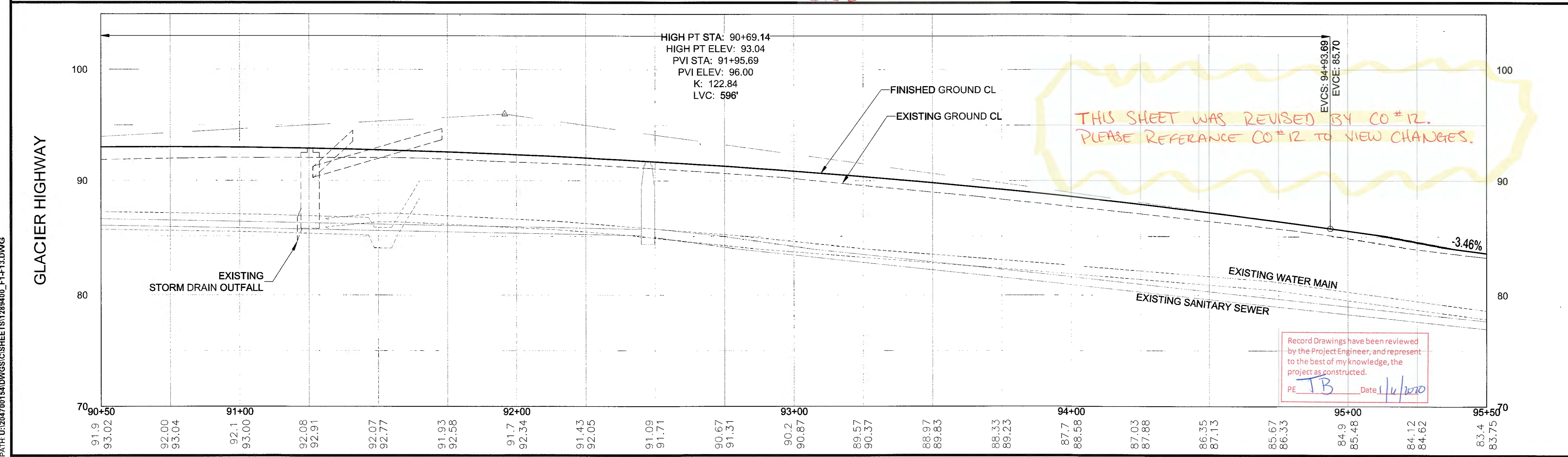
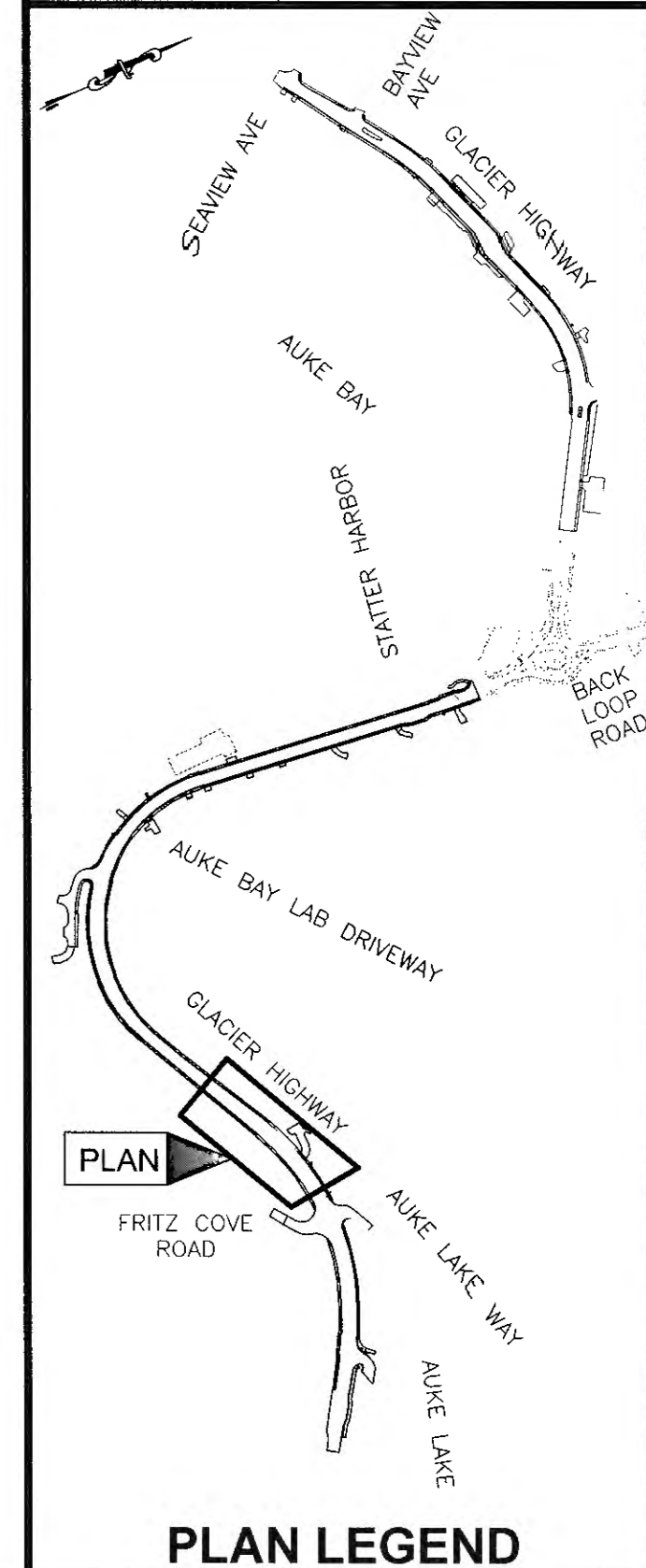
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
F2	145



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: F3

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

PROJECT DESIGNATION
0933039/Z684710000

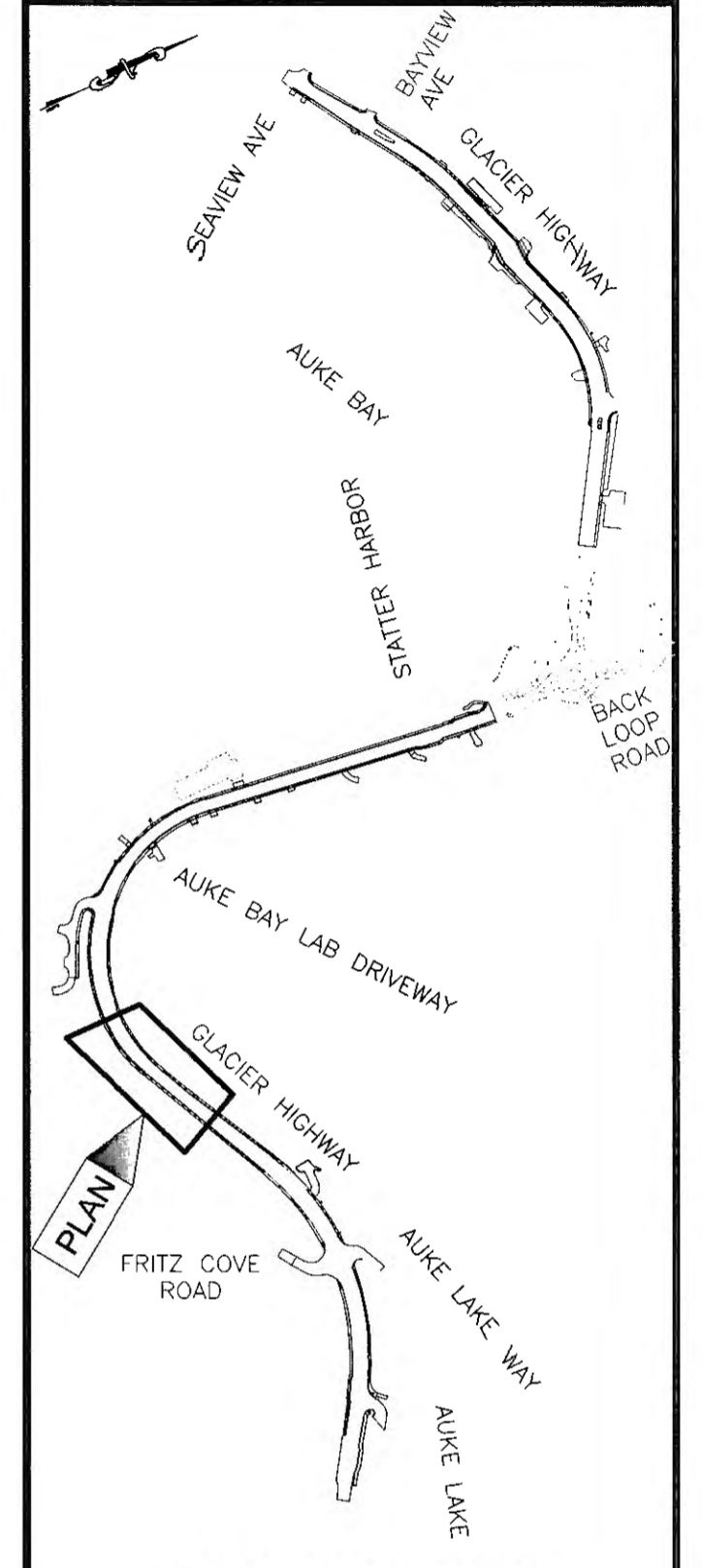
STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
F3	145

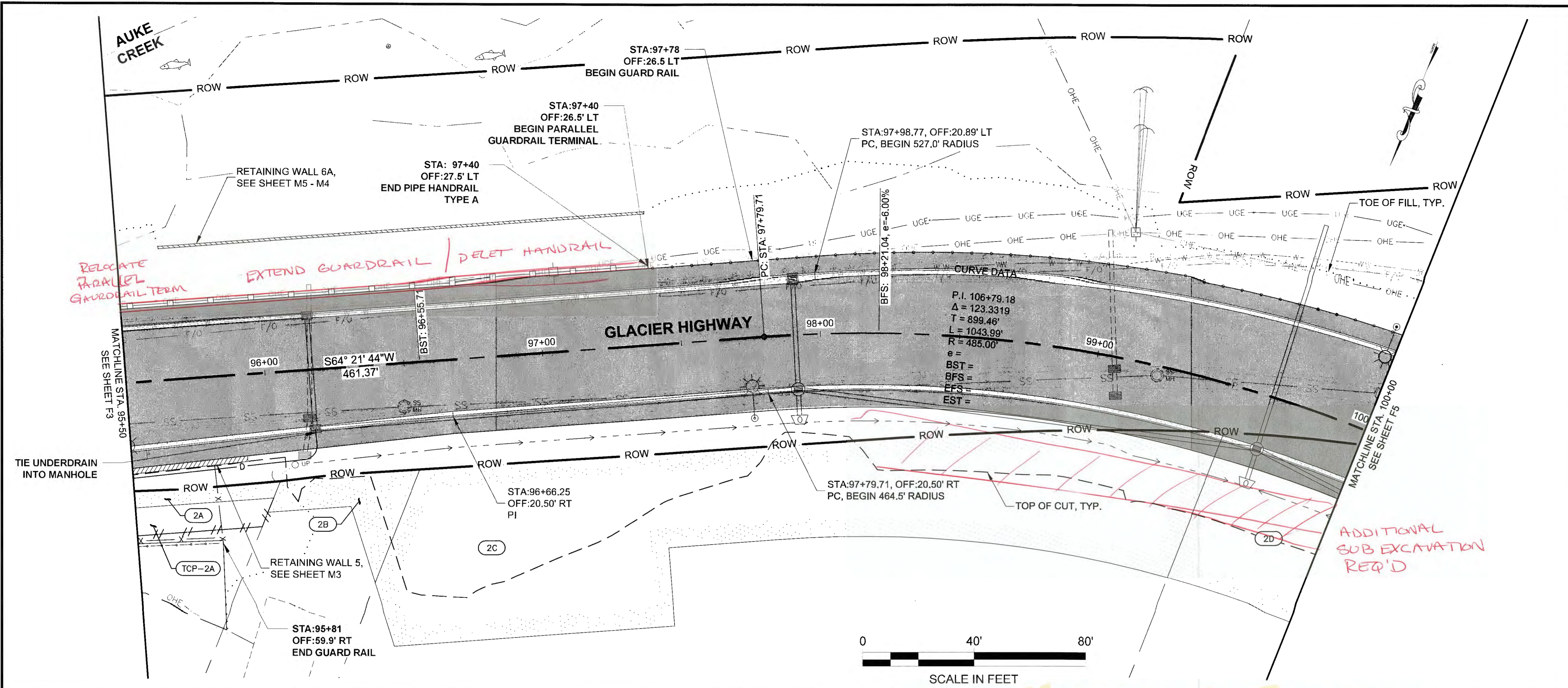
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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

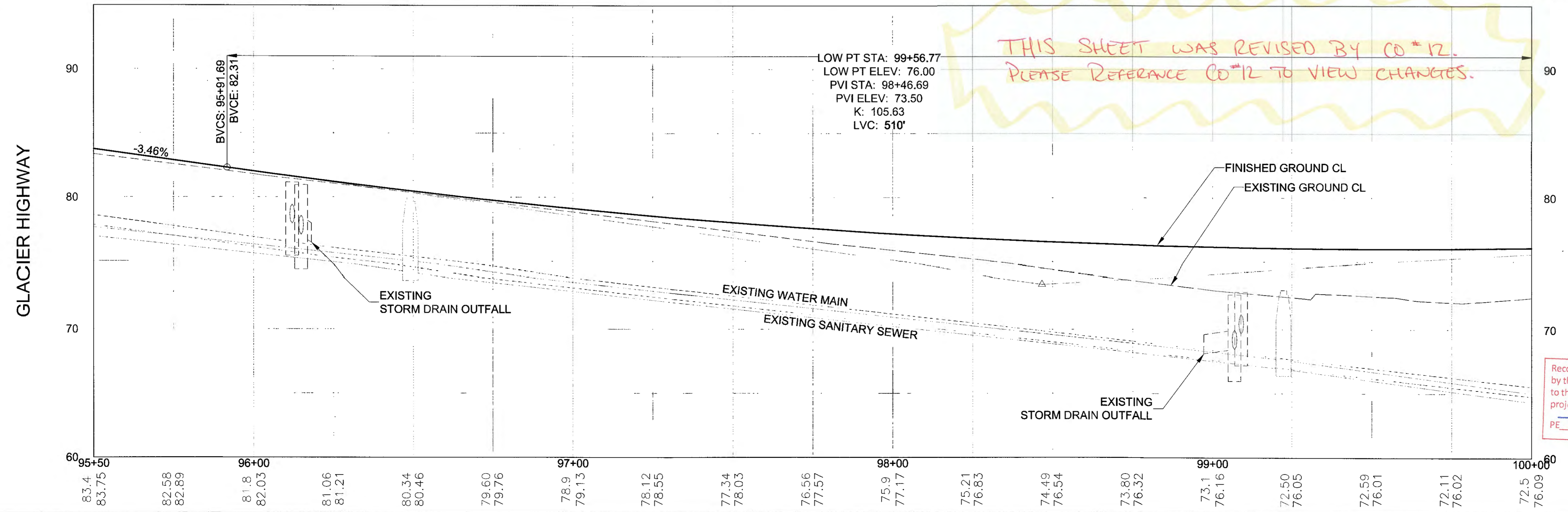
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND



SCALE IN FEET



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/4/2020

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

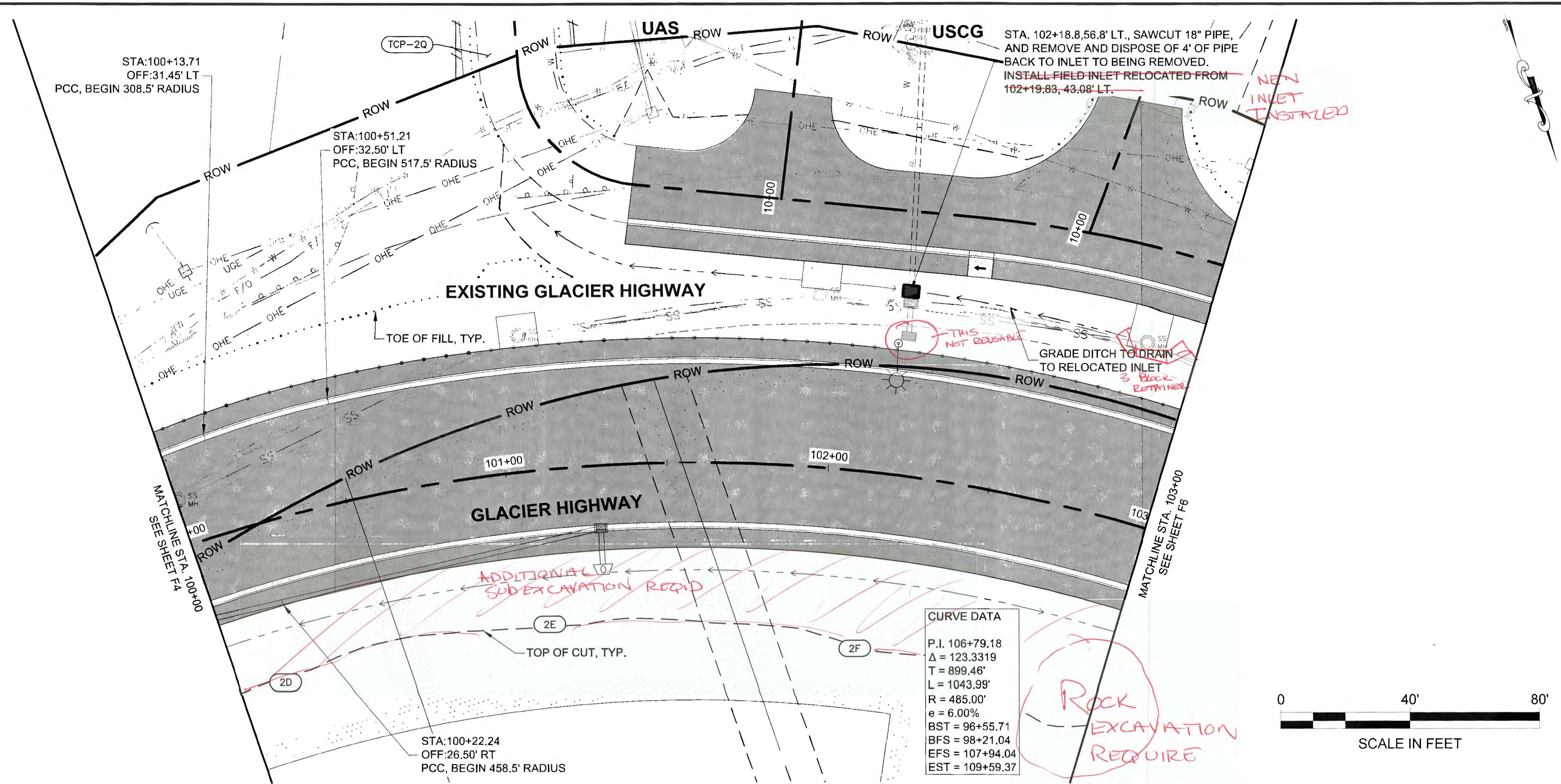
GLACIER HIGHWAY PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
F4	145

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PATH: U:\204700154\DWGS\CISHEETS\1289400_F1-F13.DWG



PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

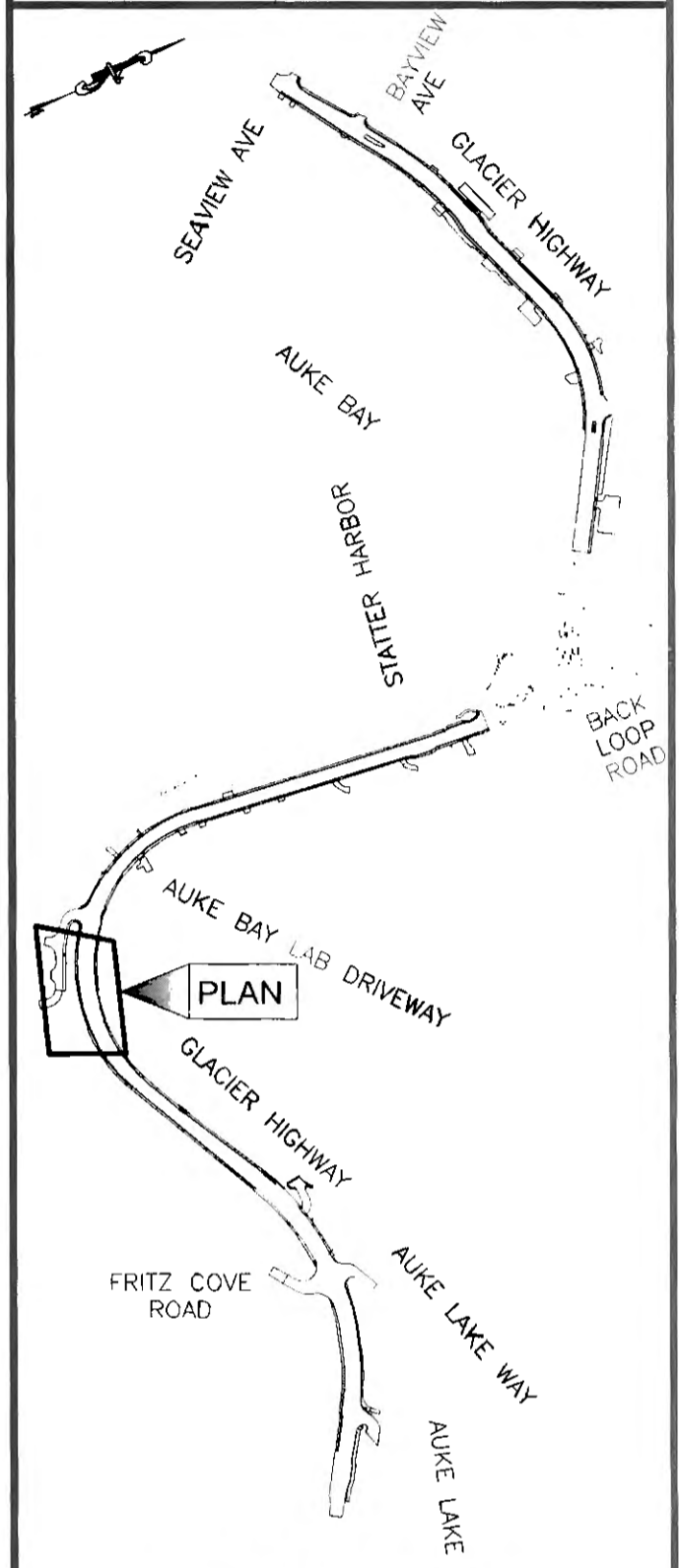
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ADDENDUM NUMBER

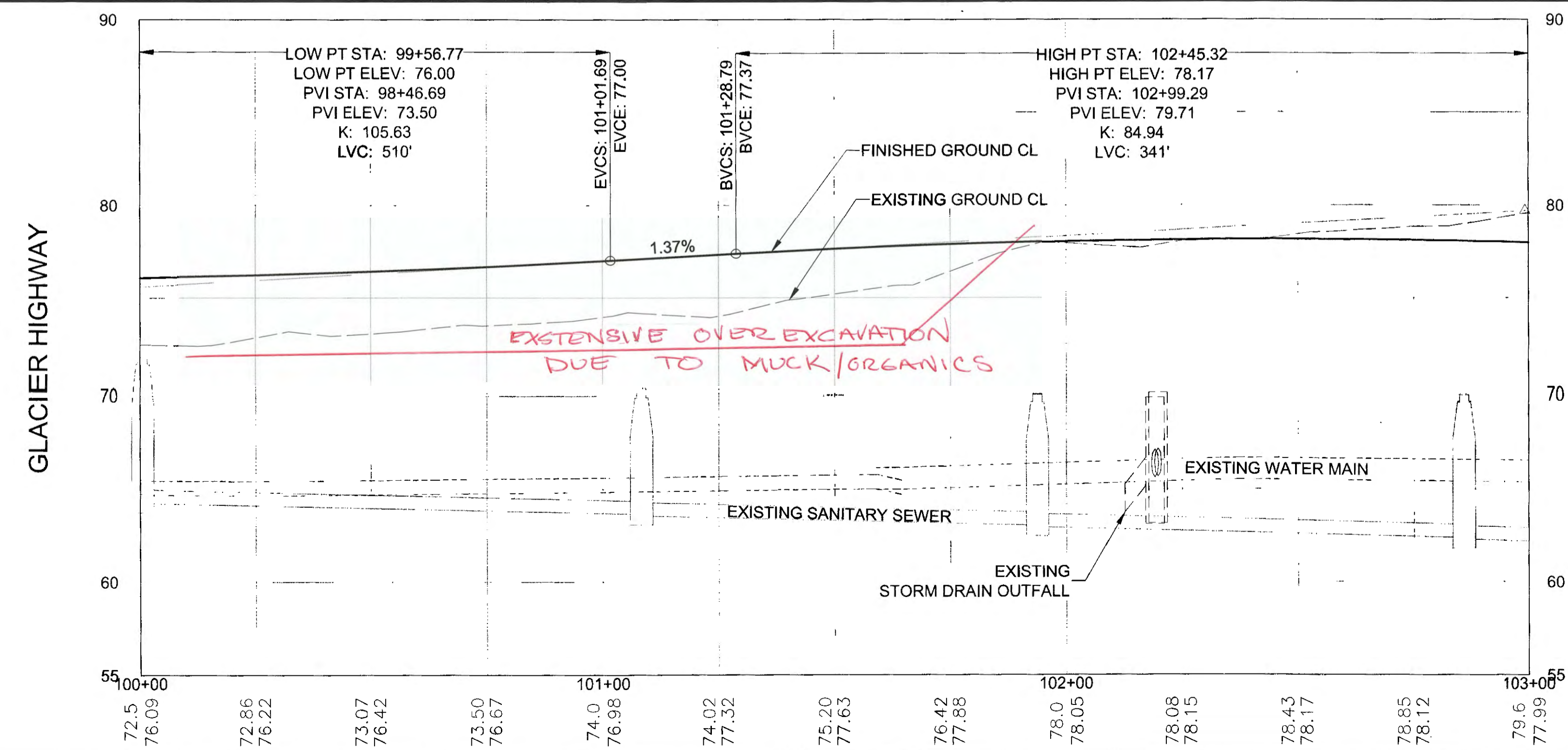
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE TB Date 1/6/2020

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
DRAWN BY: B. PADDOCK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION

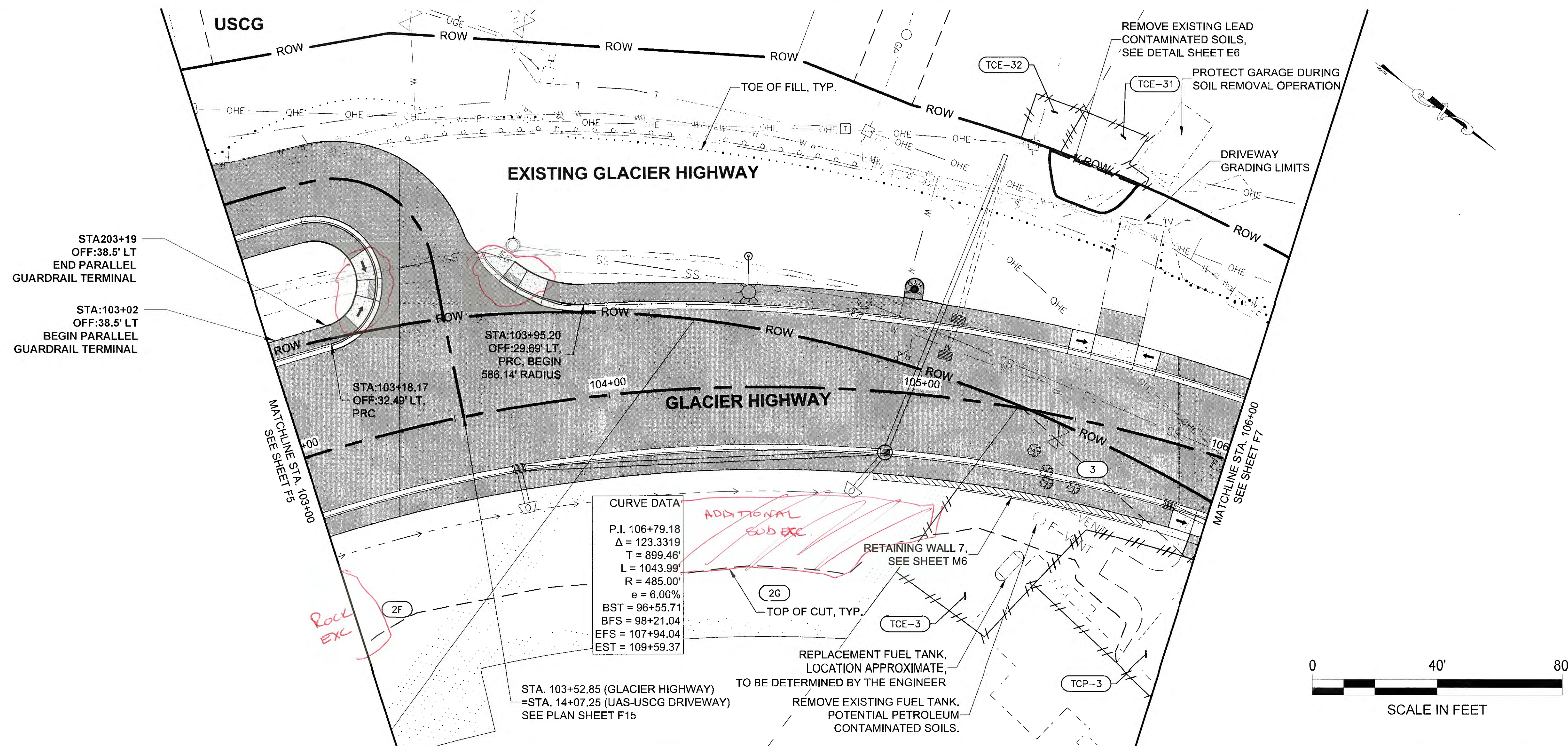
GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

GLACIER HIGHWAY PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
F5	145



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

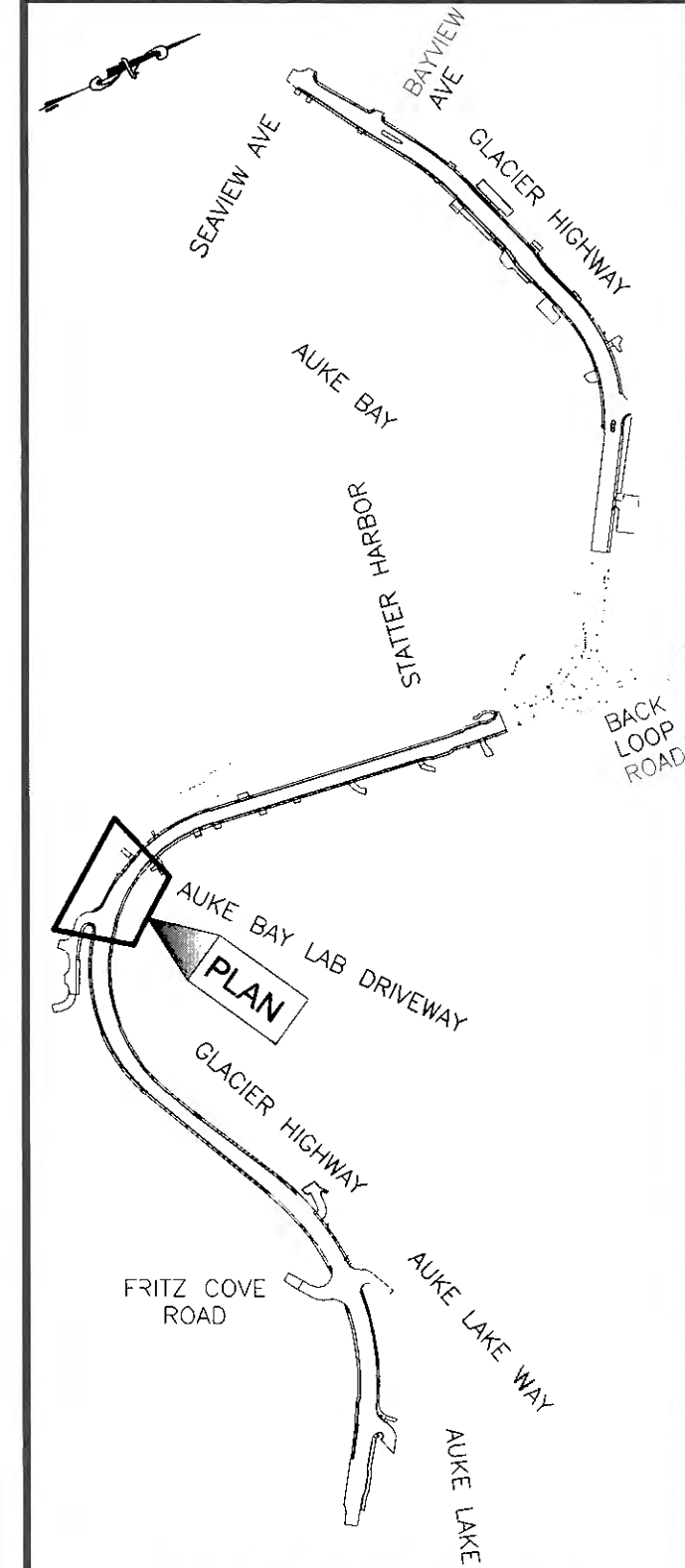
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ADDENDUM NUMBER

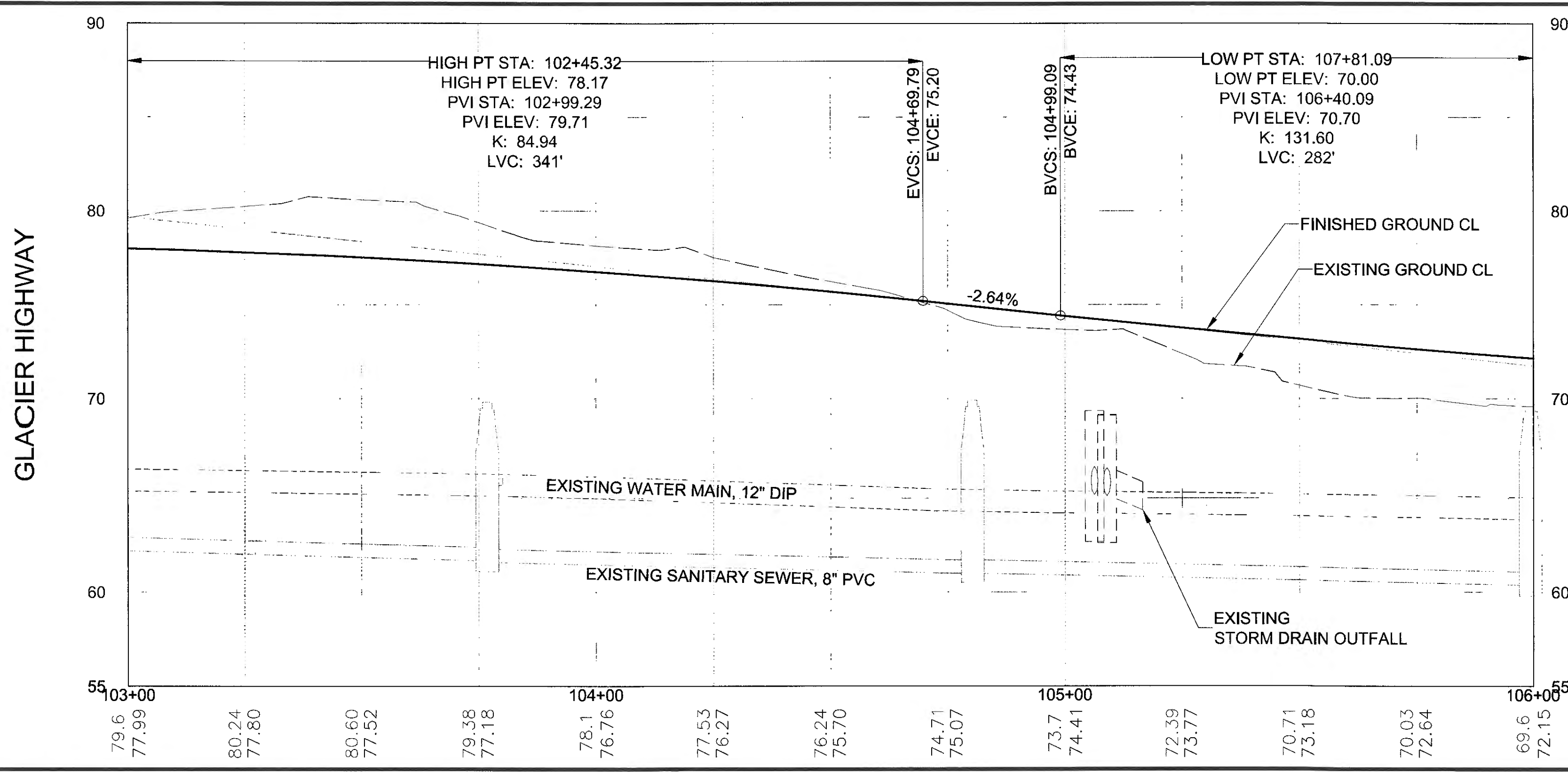
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE TB Date 1/4/2020

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

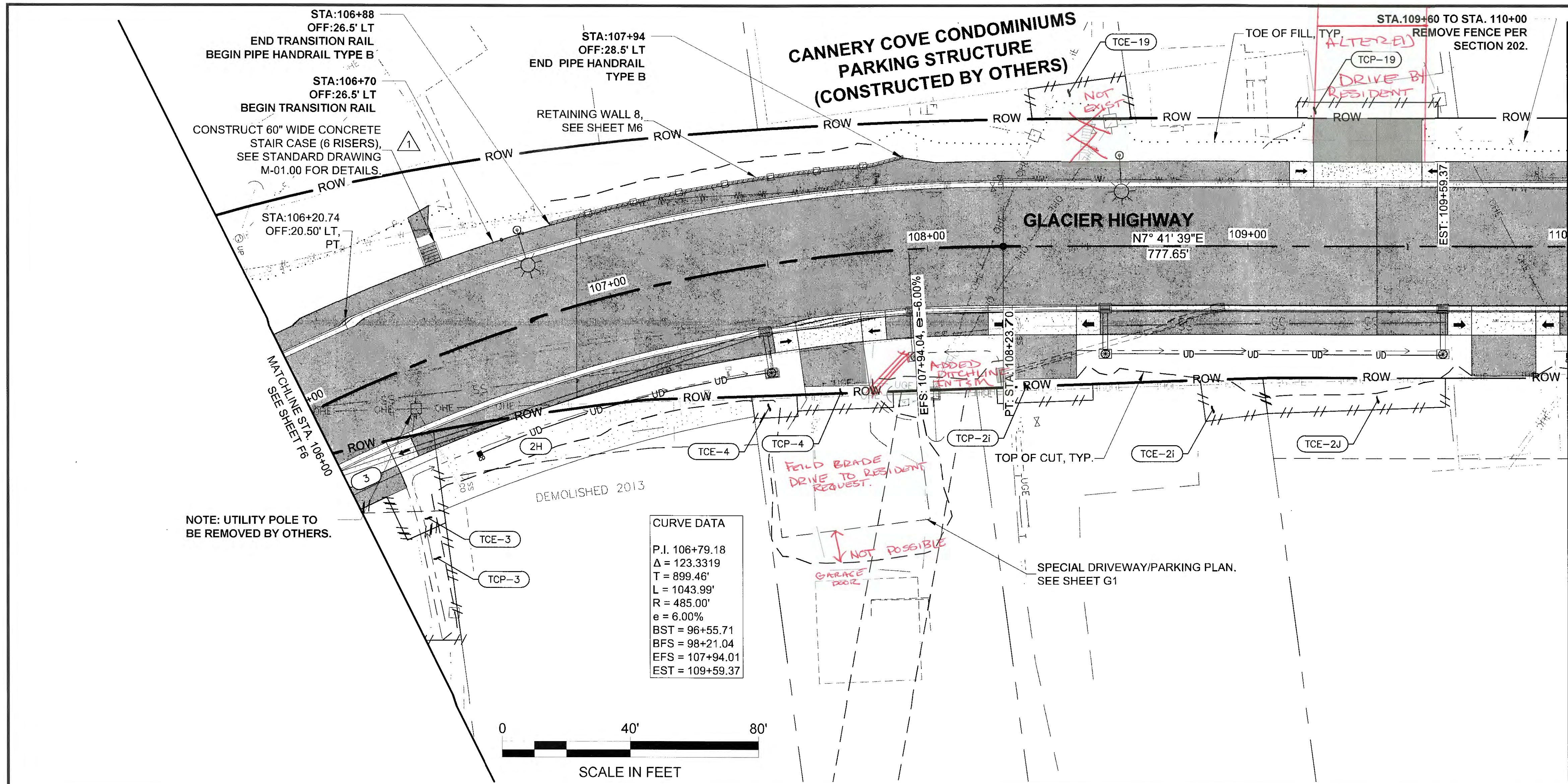
GLACIER HIGHWAY PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
F6	145

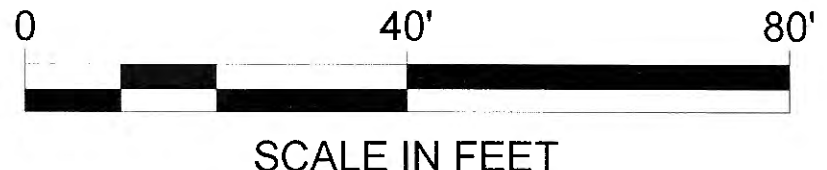
PATH: U:\2017\00154\DWG\CS\CS\1289400_F1-F13.DWG



NOTE: UTILITY POLE TO BE REMOVED BY OTHERS.

CURVE DATA

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Δ	123.3319
T	899.46'
L	1043.99'
R	485.00'
e	6.00%
BST	96+55.71
BFS	98+21.04
EFS	107+94.01
EST	109+59.37



PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #1263886

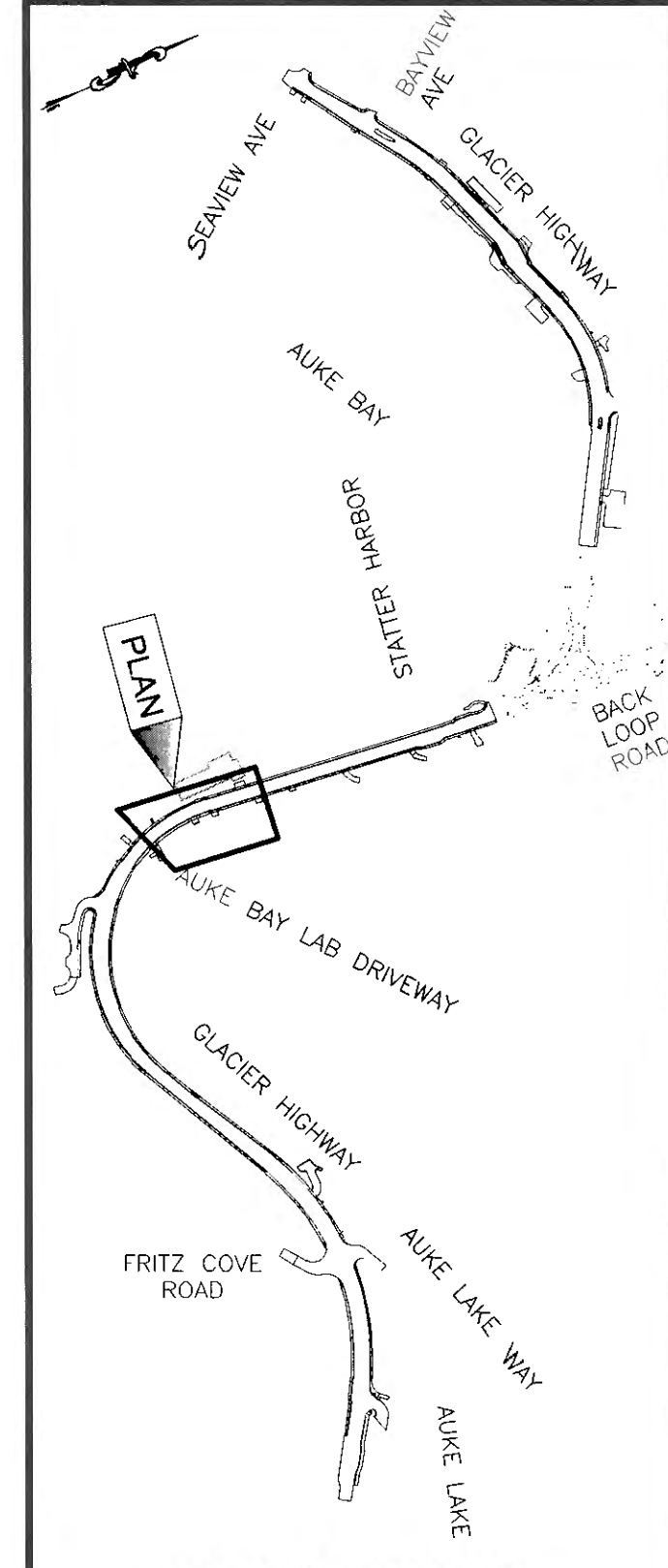
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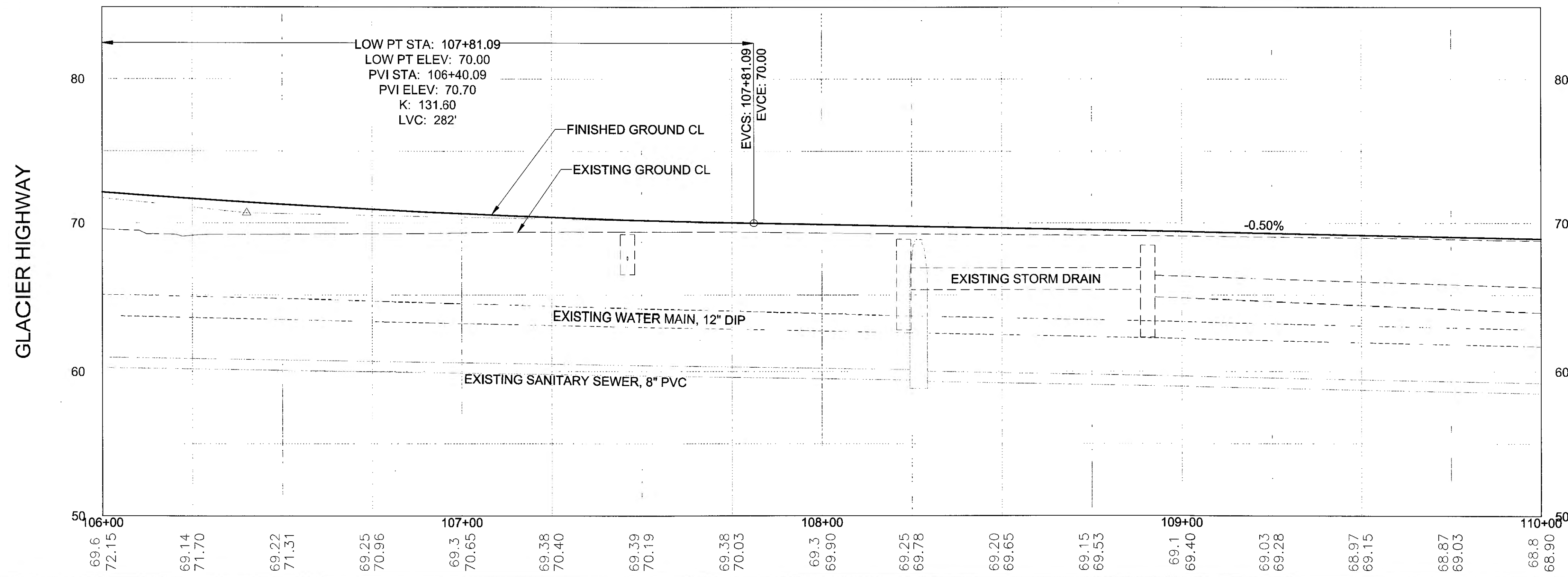
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	12/12/16	EDITED LABEL



PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE TB Date 1/6/20

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
DRAWN BY: B. PADDOCK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

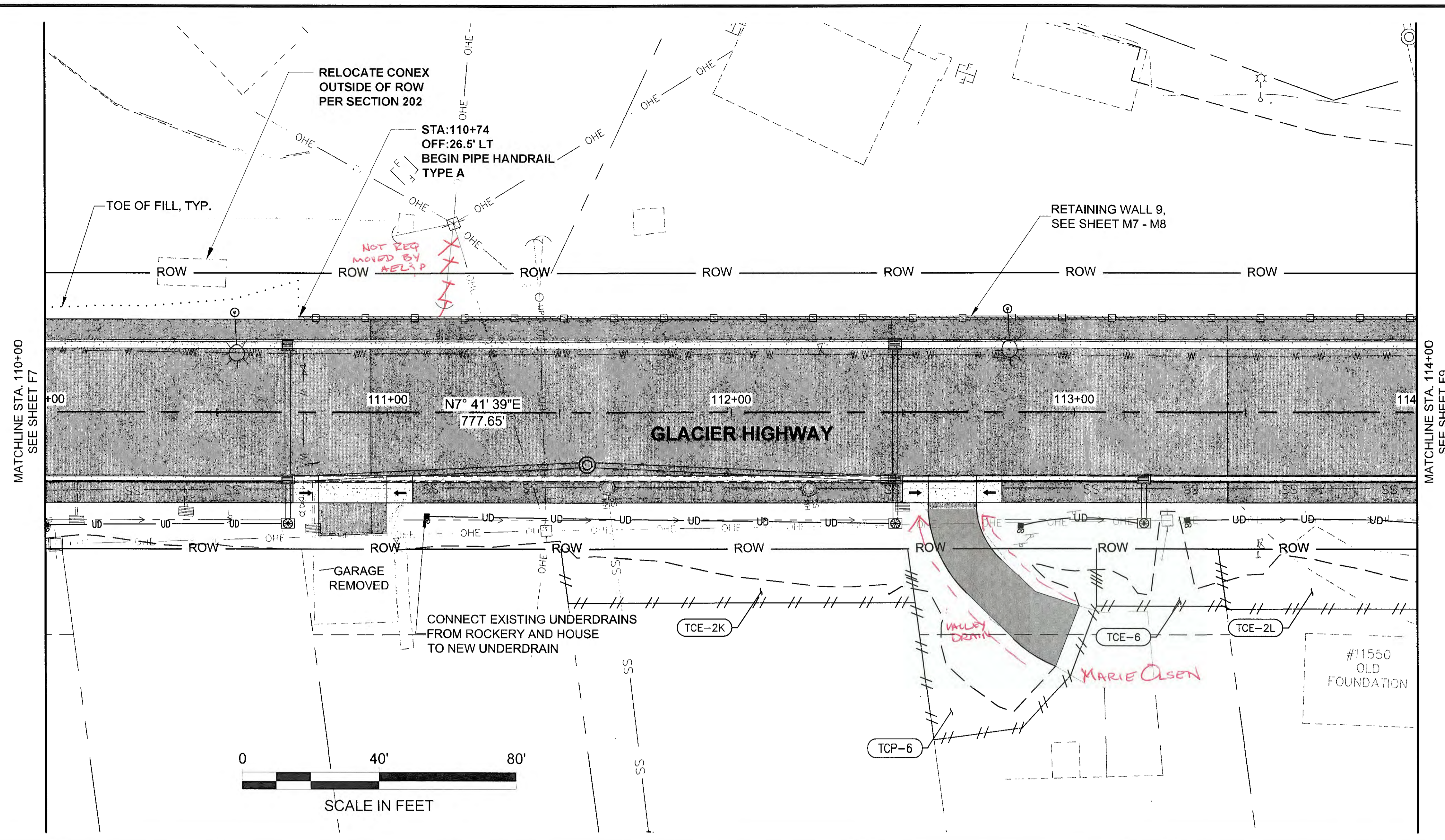
GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

GLACIER HIGHWAY
PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
F7	145

PATH: U:\2017\01\54\DWG\GIS\SHEETS\1289400_F1-F13.DWG



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

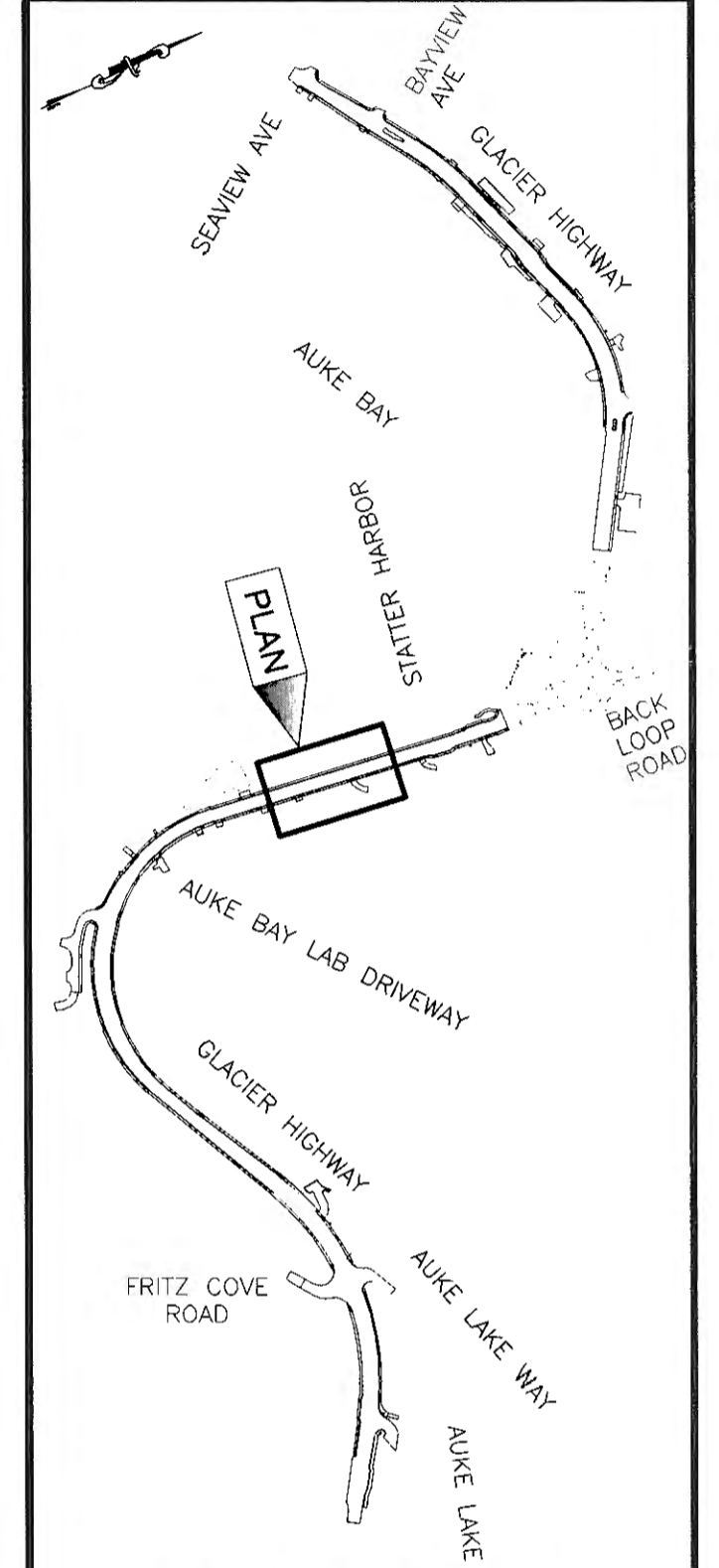
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ADDENDUM NUMBER

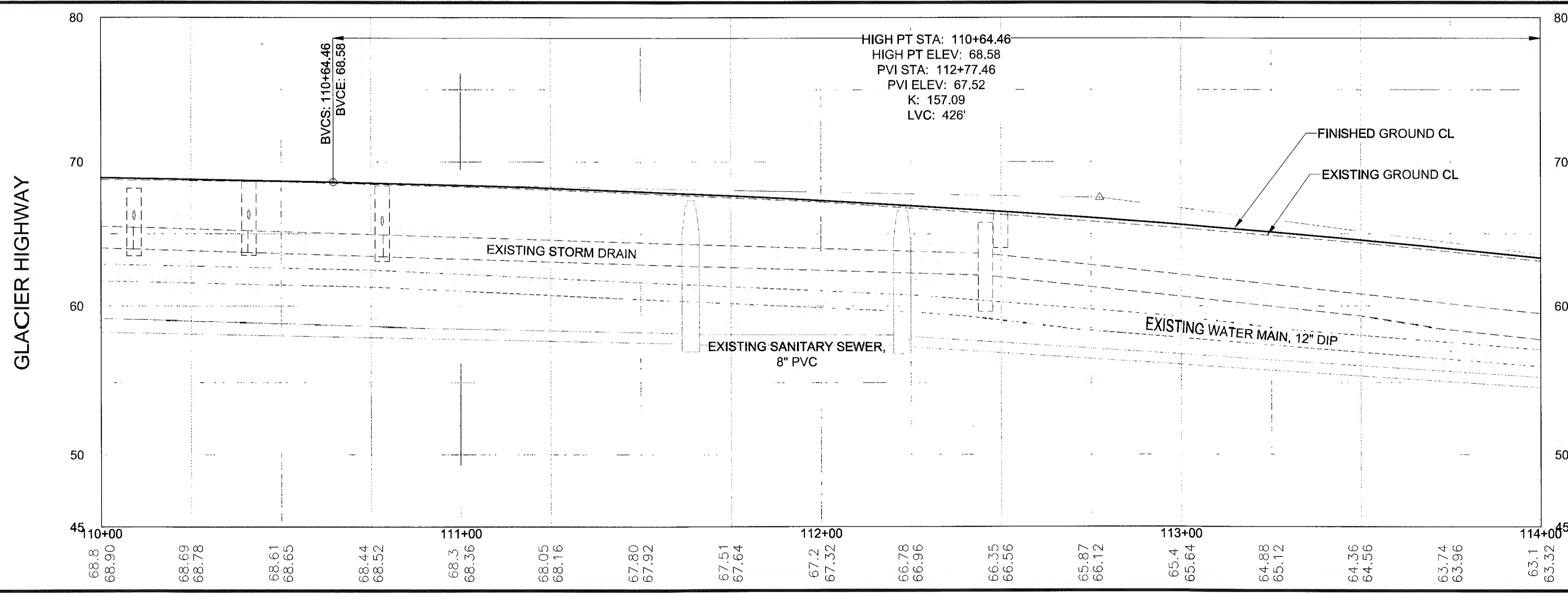
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE TB Date 1/6/2020

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

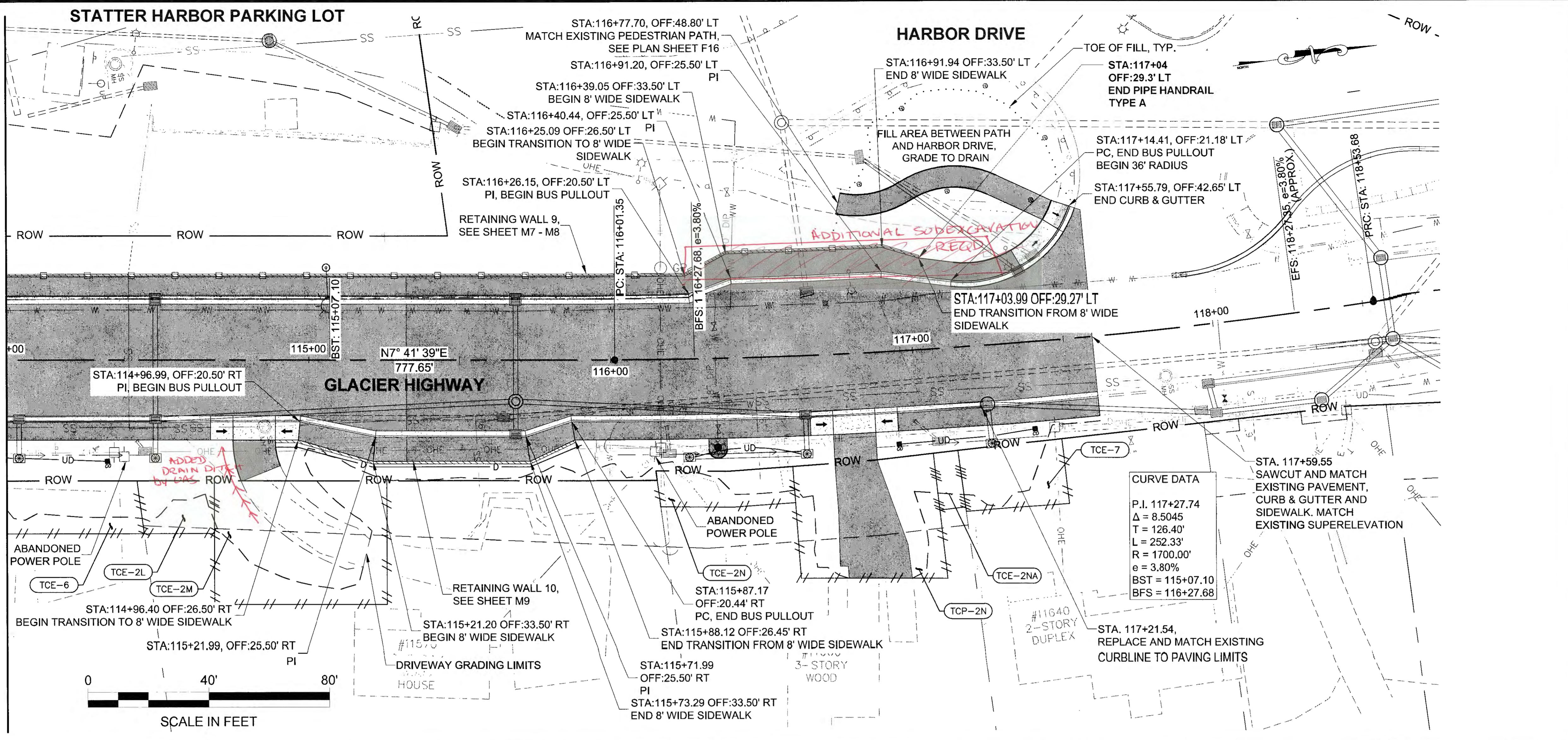
GLACIER HIGHWAY PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
F8	145

PATH: U:\2017\00154\DWG\CS\SHETS\1269400_F1-F13.DWG



PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

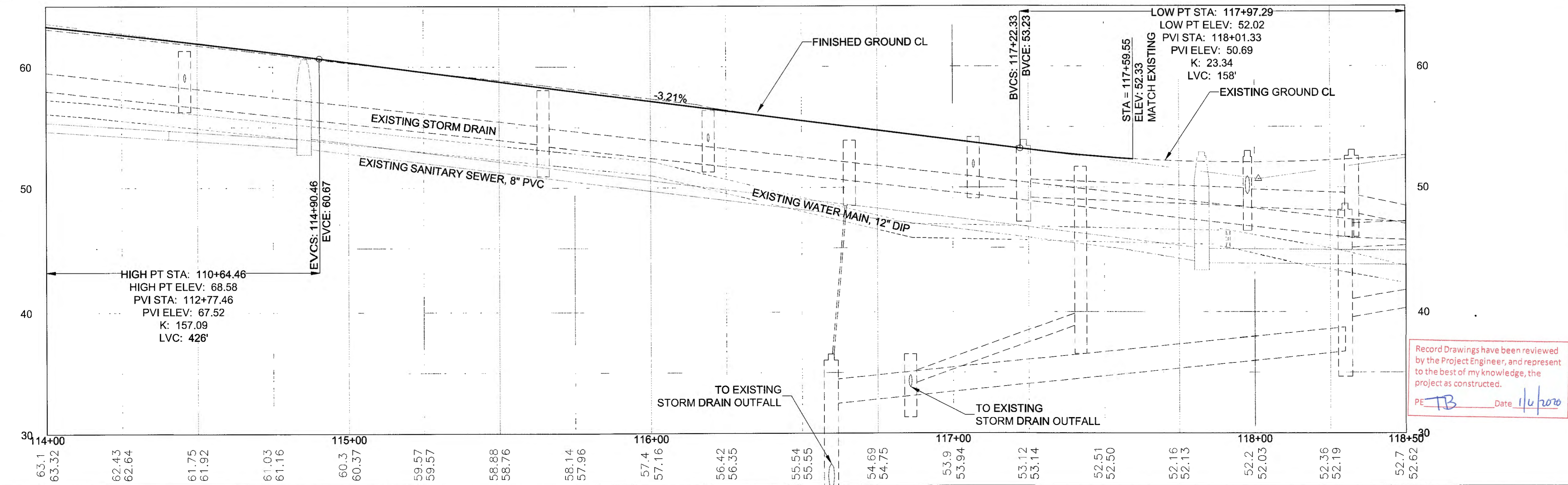
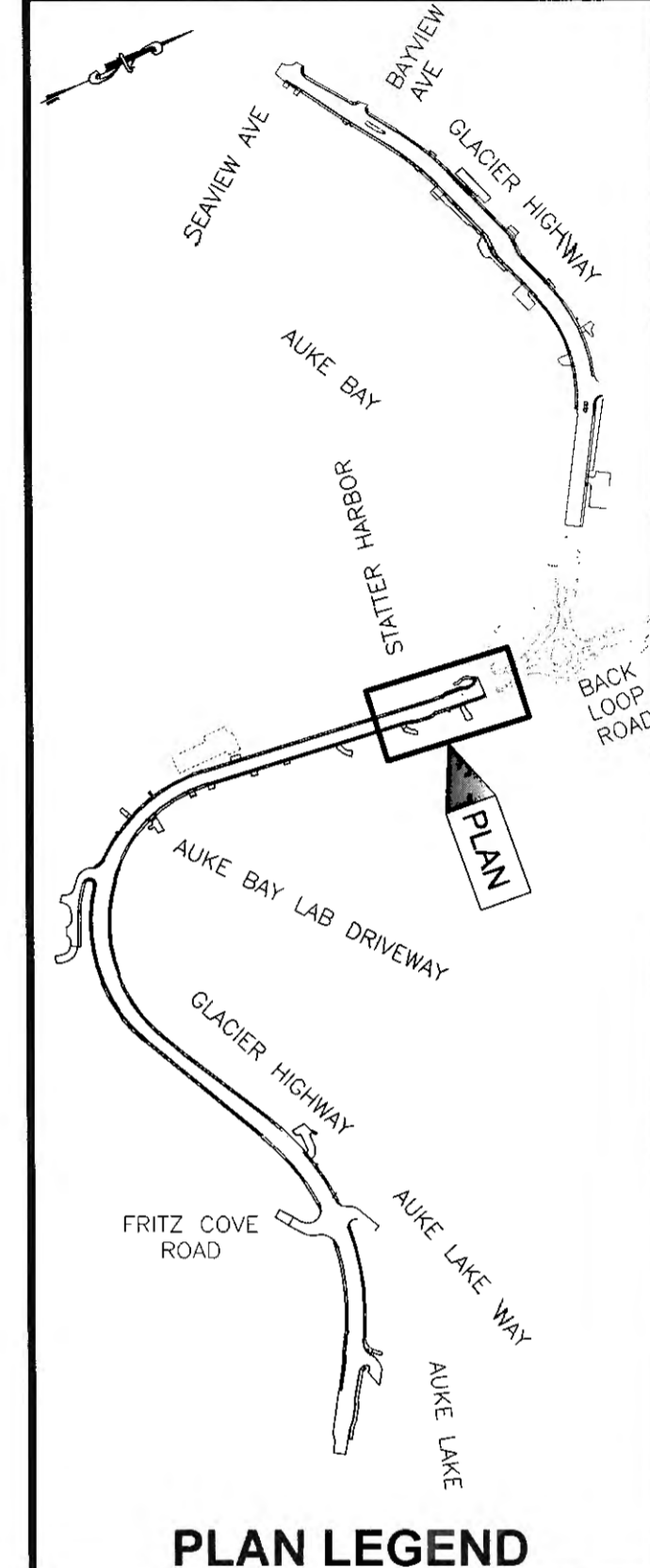
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK

DRAWN BY: B. PADDOCK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE**

**GLACIER HIGHWAY
PLAN & PROFILE**

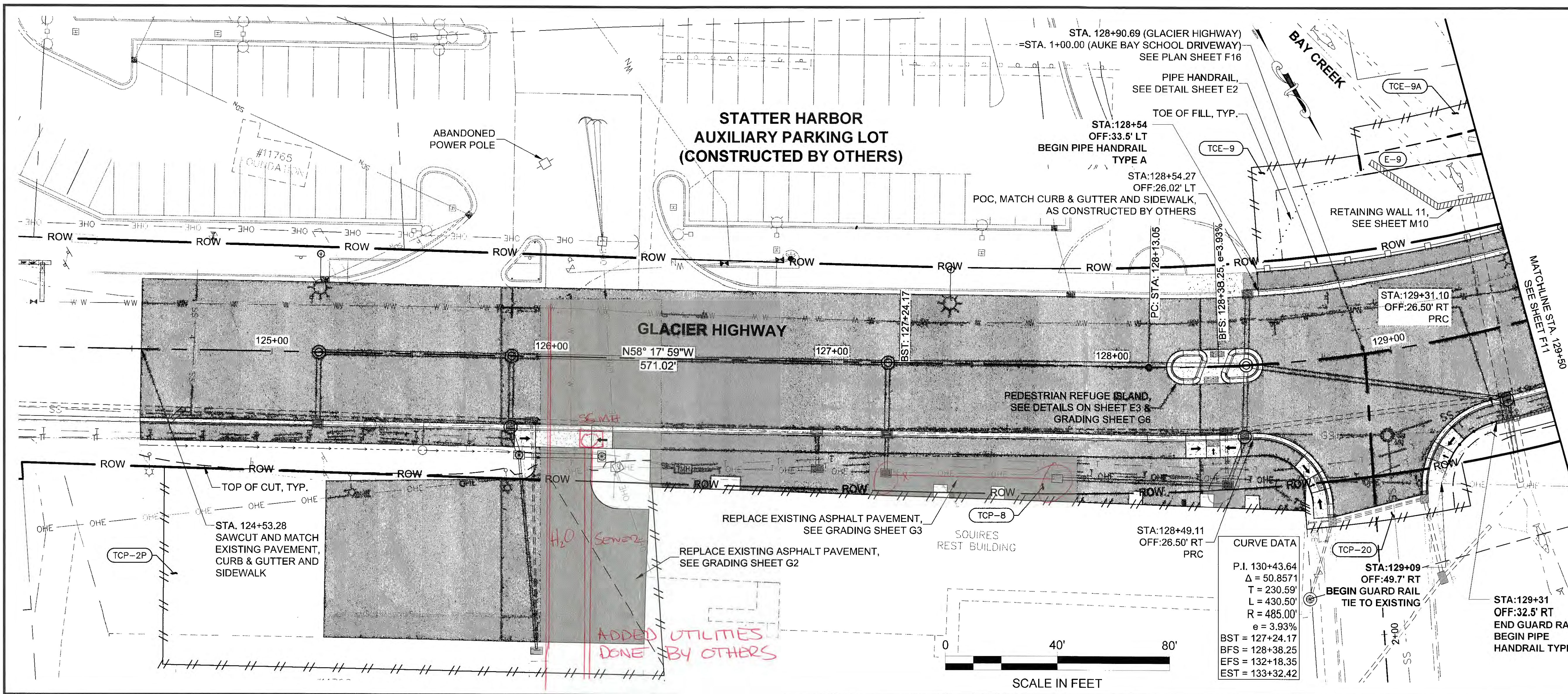
PROJECT DESIGNATION
0933039/Z68471000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
F9	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE: TB Date: 1/6/2020

PATH: L:\2047001\54\DWG\SS\1289400_F1-F13.DWG



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

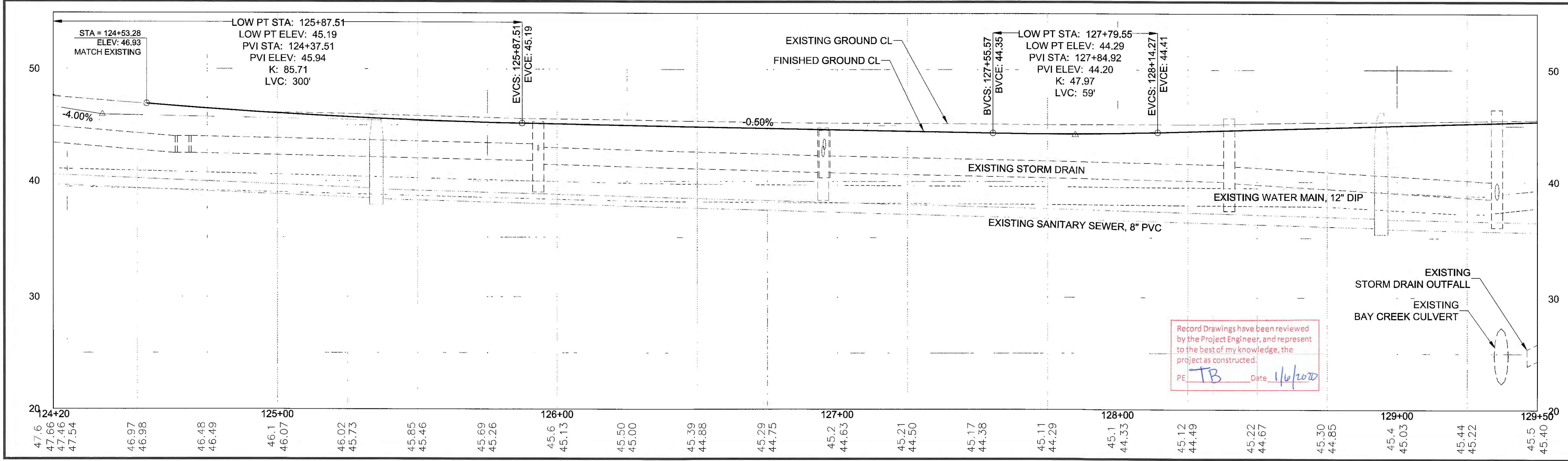
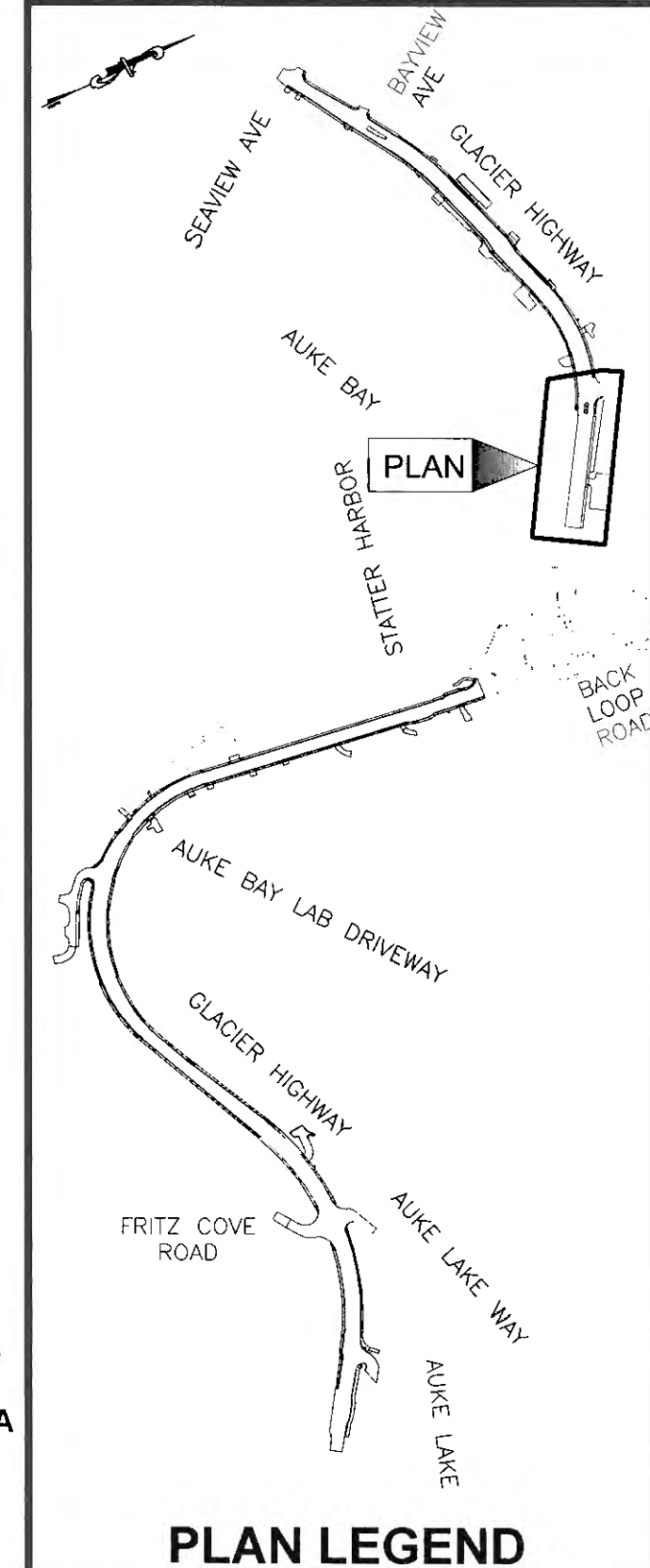
TAB: F10

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

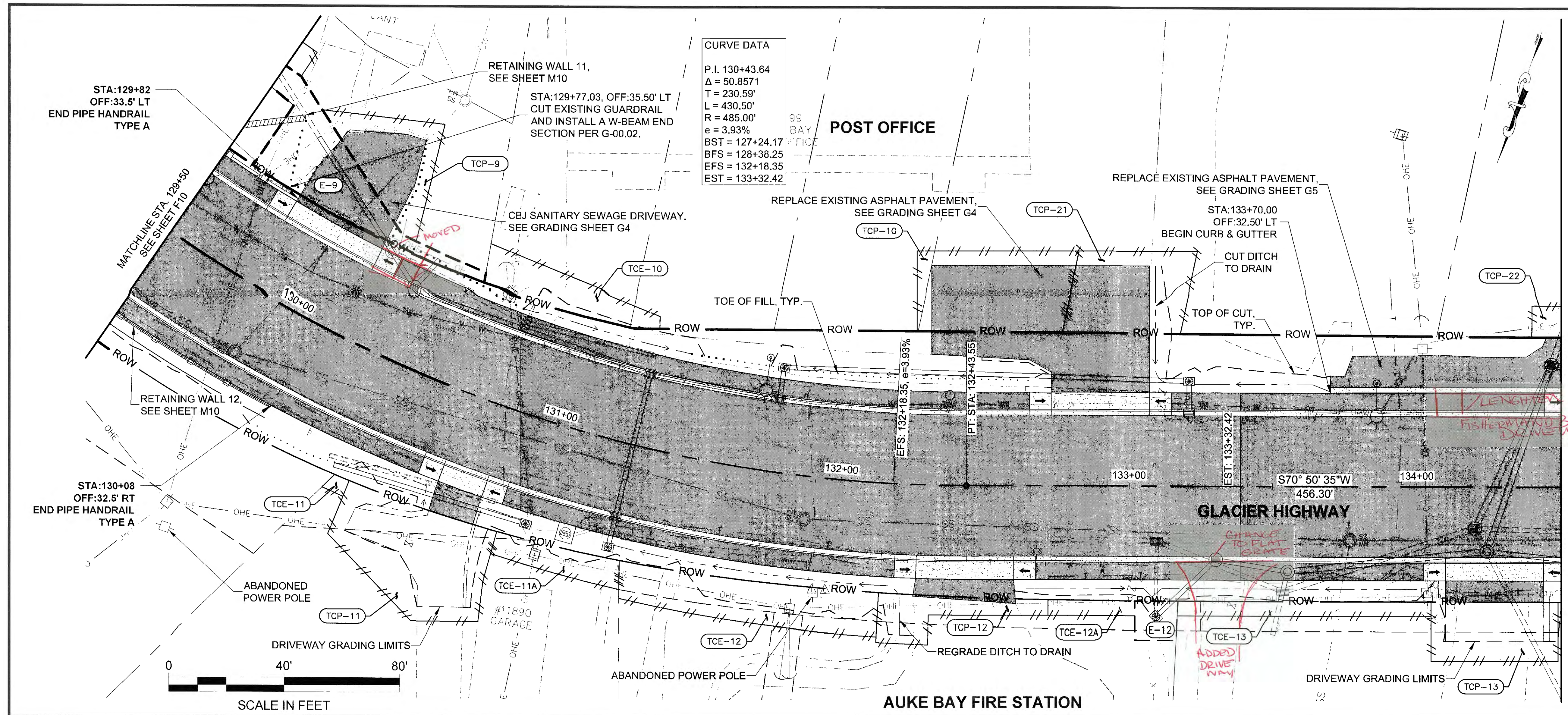
PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
F10	145

PATH: U:\2016\01\5AD\DWGS\CSHSHEETS\128400_F1-F13.DWG

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

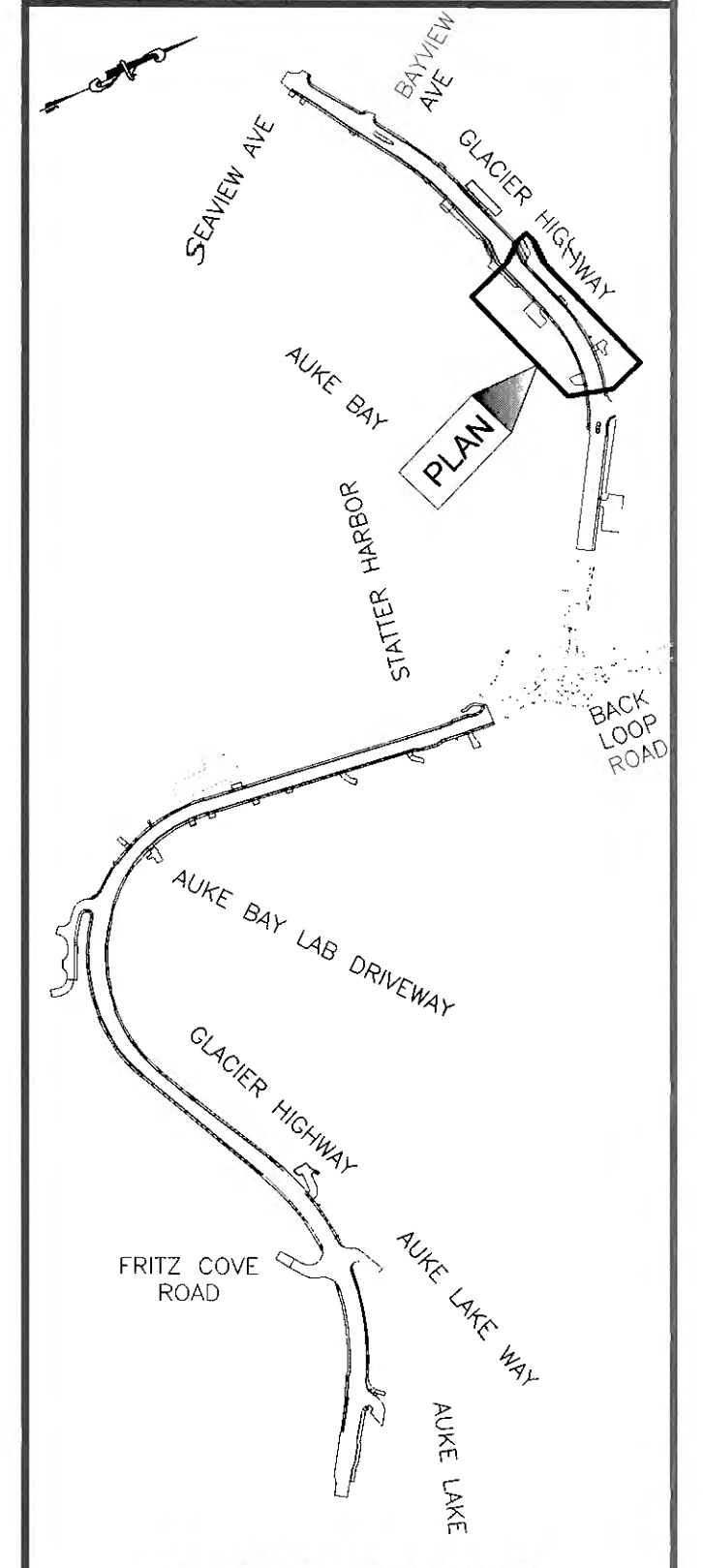
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ADDENDUM NUMBER

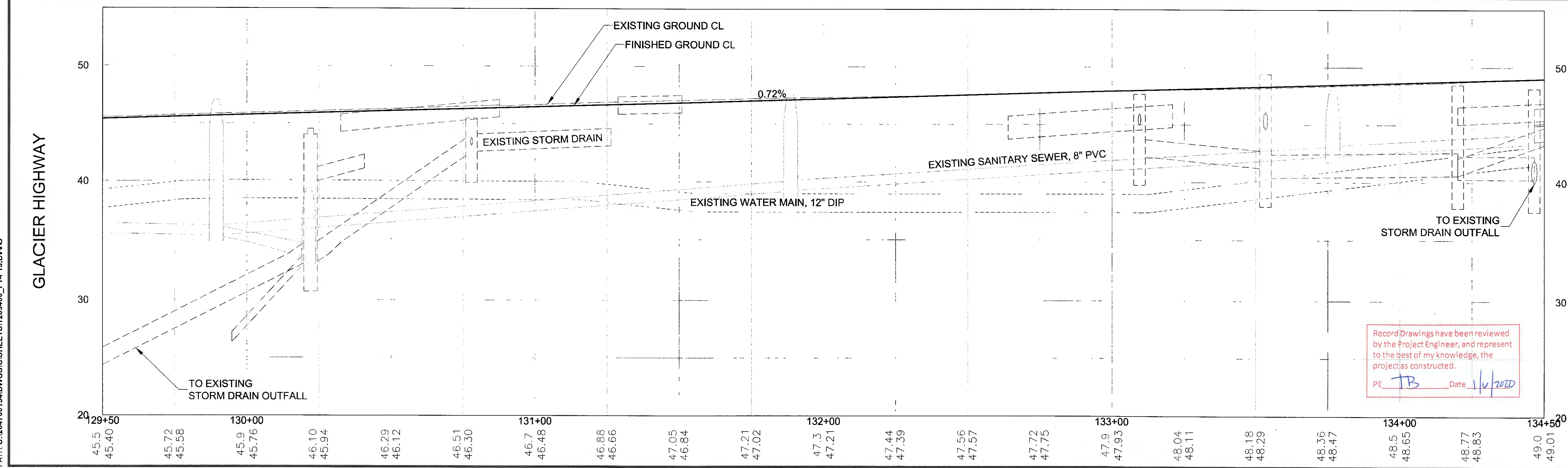
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and present to the best of my knowledge, the project as constructed.

PE JB Date 11/1/2010

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

GLACIER HIGHWAY PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

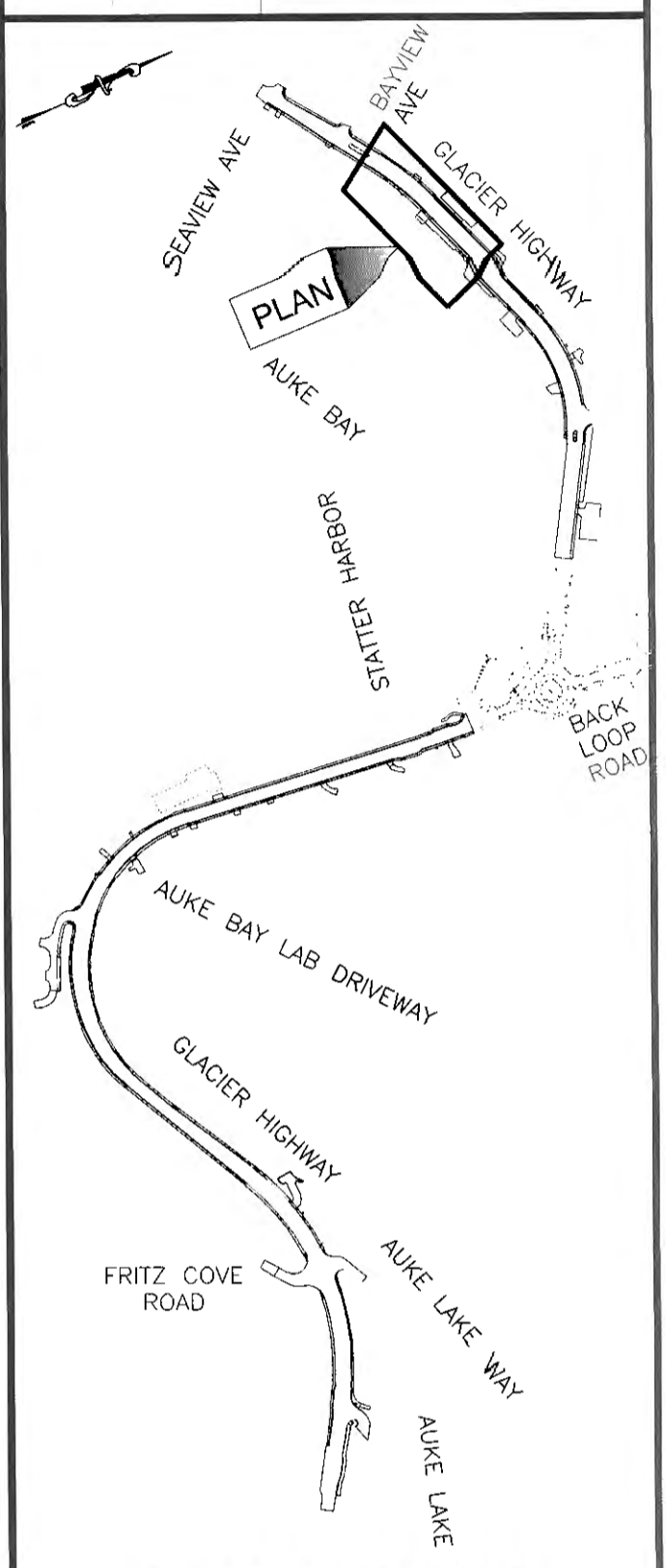
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
F11	145

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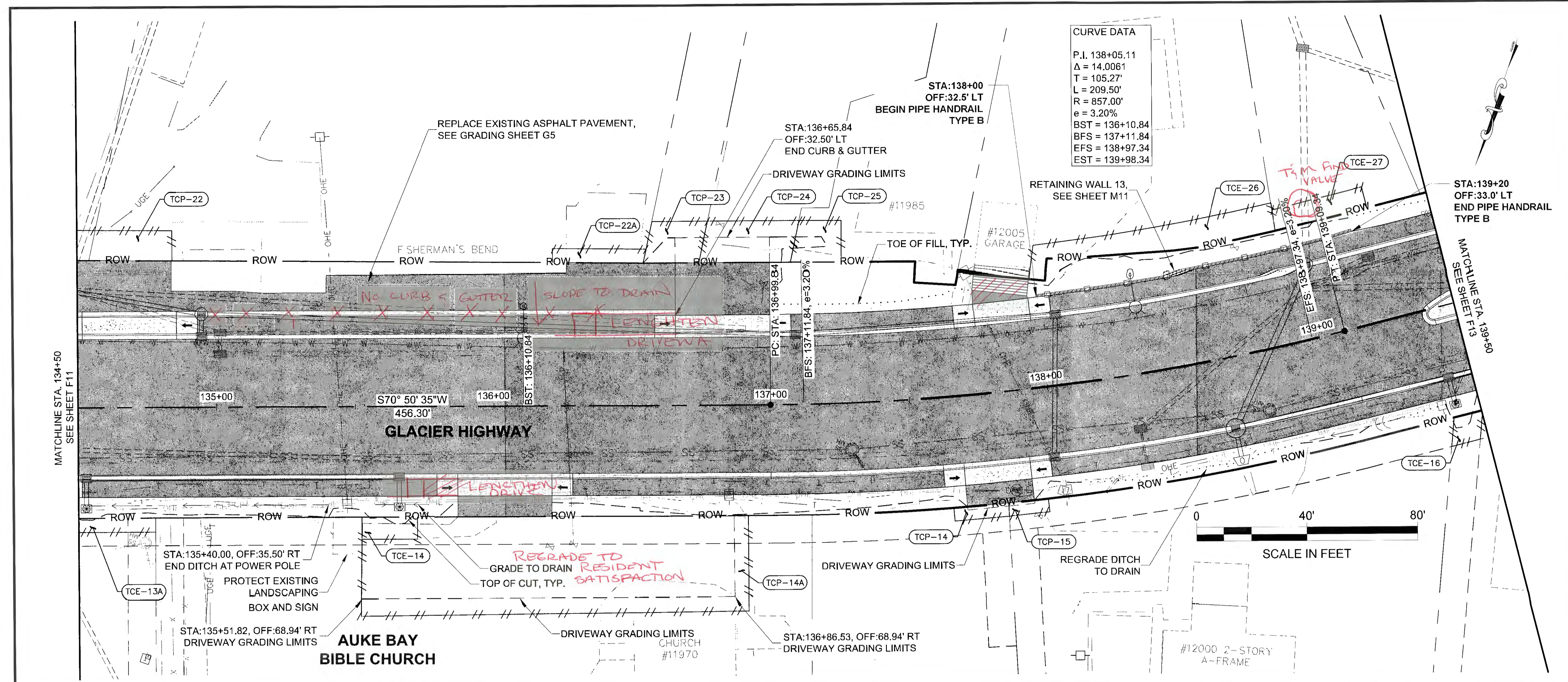
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: F12

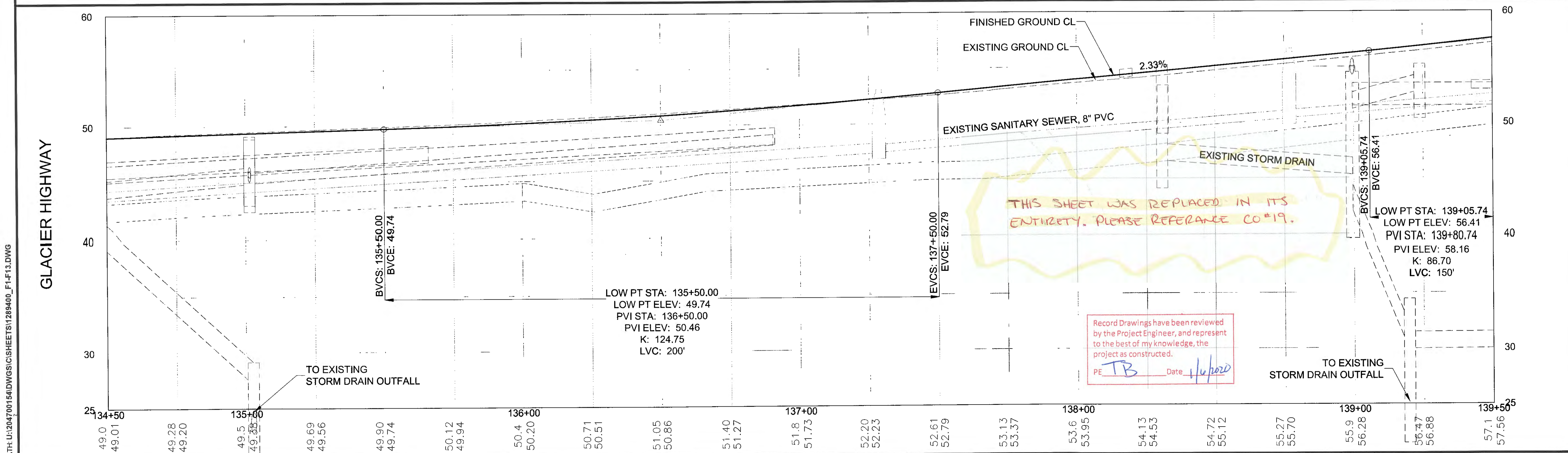
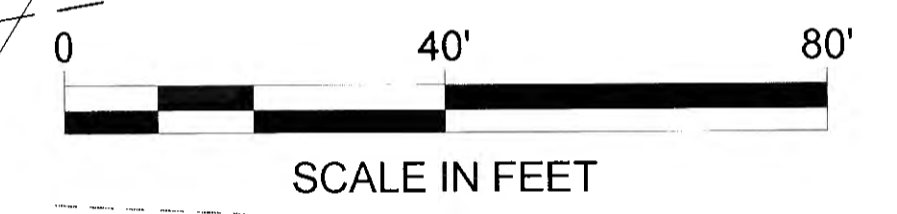
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND



CURVE DATA
 P.I. 138+05.11
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 $T = 105.27'$
 $L = 209.50'$
 $R = 857.00'$
 $e = 3.20\%$
 BST = 136+10.84
 BFS = 137+11.84
 EST = 139+98.34



CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE**

**GLACIER HIGHWAY
 PLAN & PROFILE**

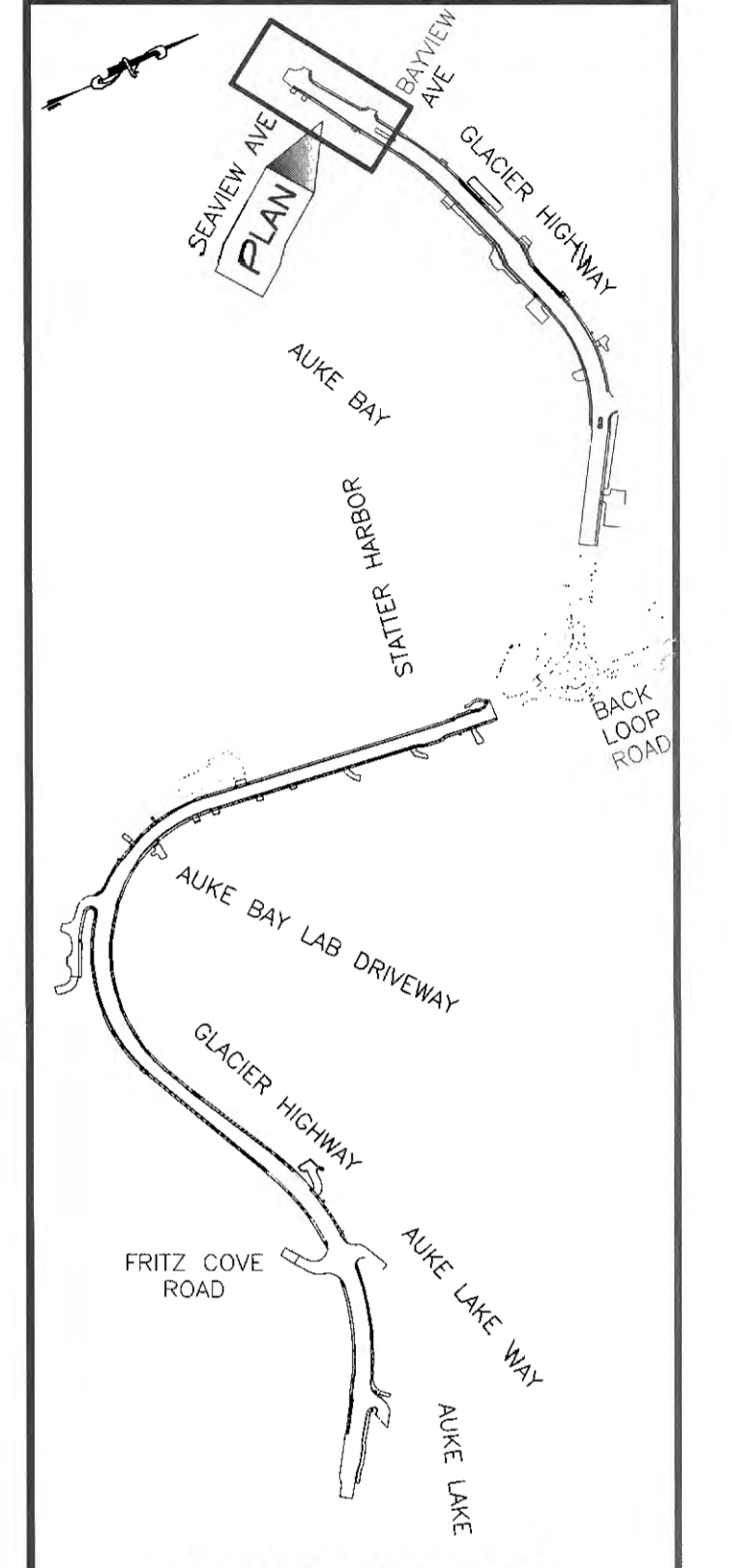
PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
F12	145

PATH: U:\2047001\54\DWG\CS\1289400_F1-F13.DWG

TAB: F13

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI



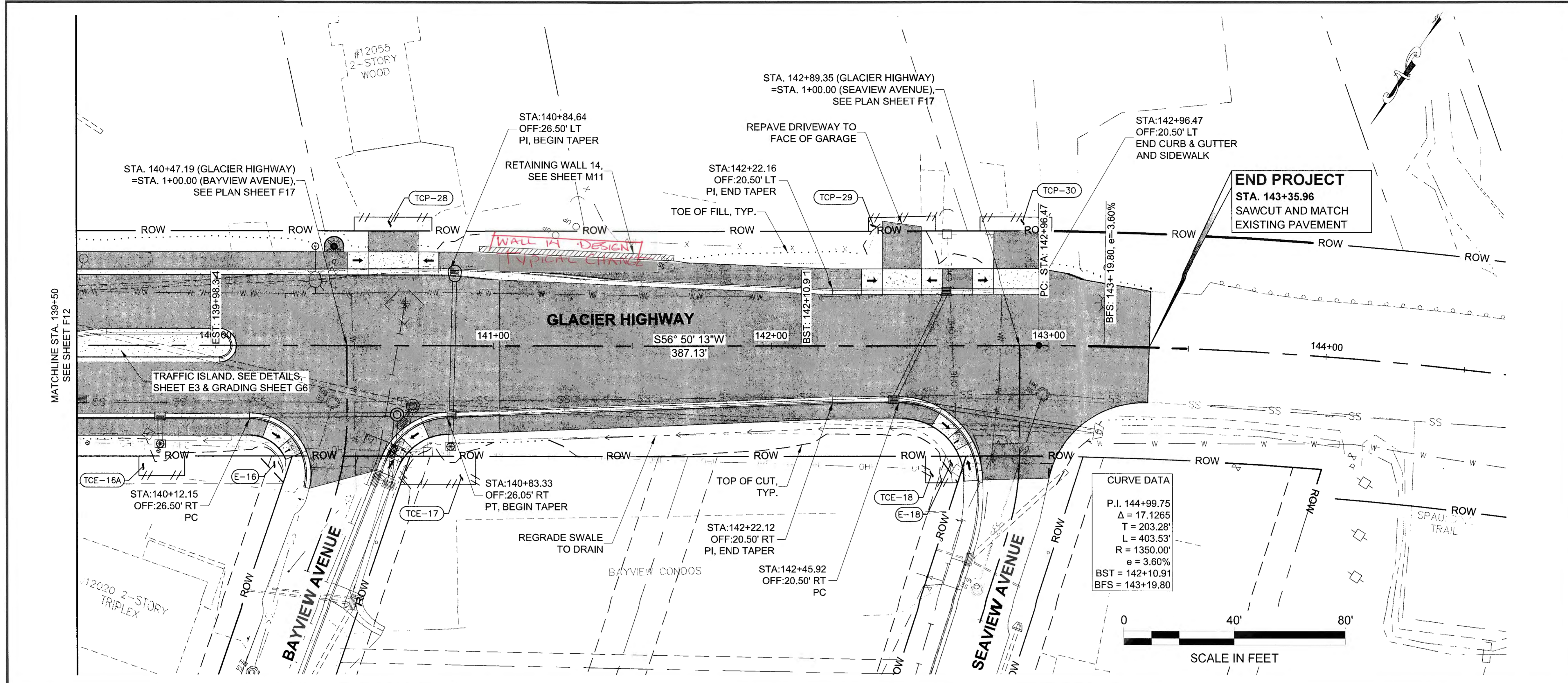
DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

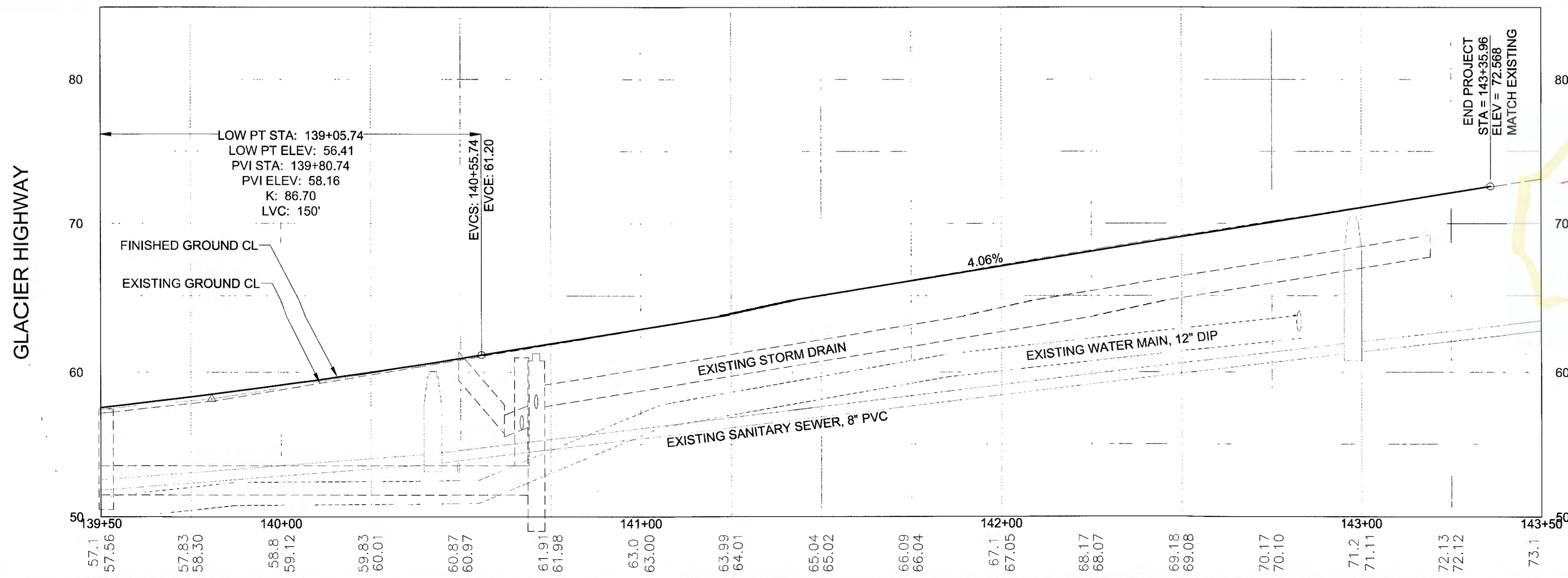
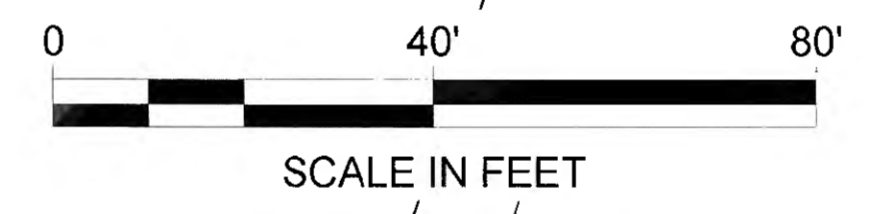
**GLACIER HIGHWAY
 PLAN & PROFILE**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
F13	145



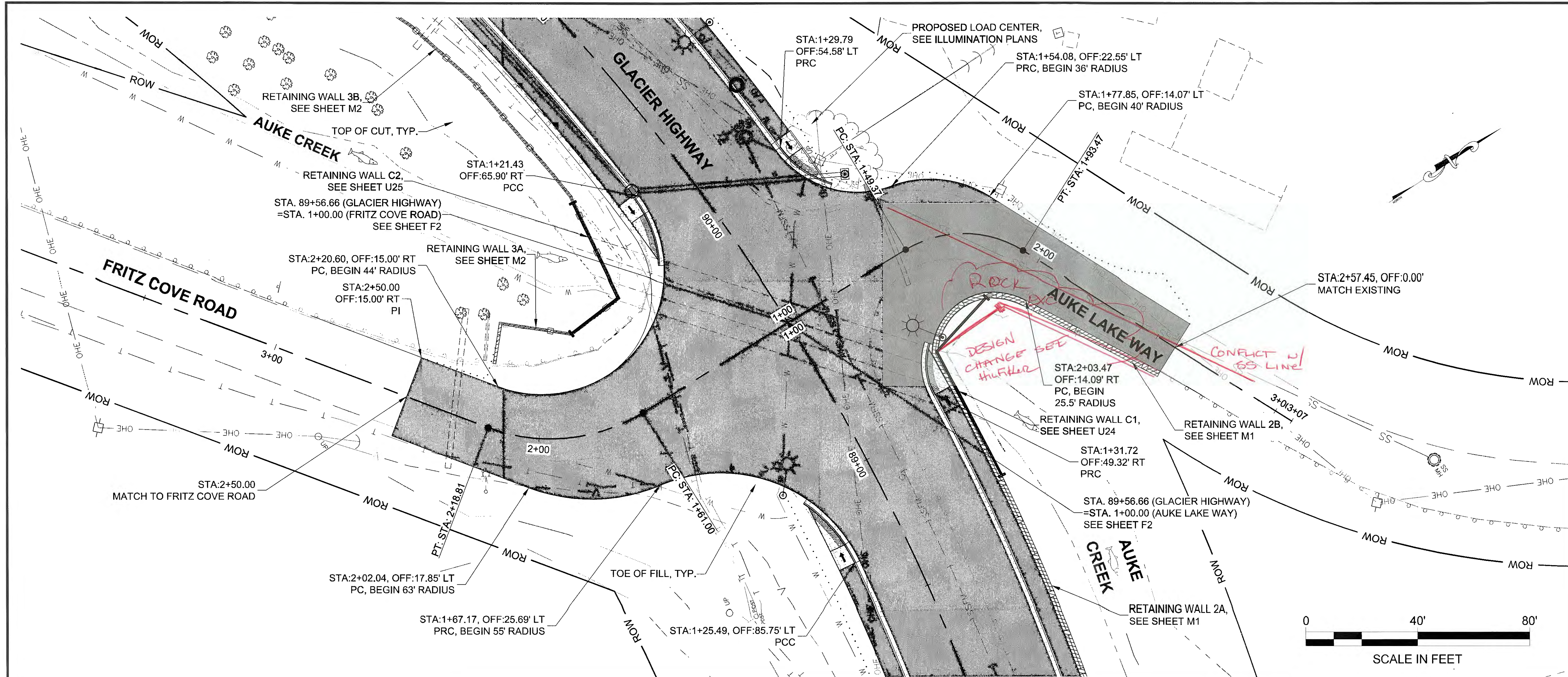
CURVE DATA

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Δ	17.1265
T	203.28'
L	403.53'
R	1350.00'
e	3.60%
BST	142+10.91
BFS	143+19.80



**THIS SHEET WAS
 REPLACED IN ITS
 ENTIRETY. PLEASE
 REFERENCE CO #19.**

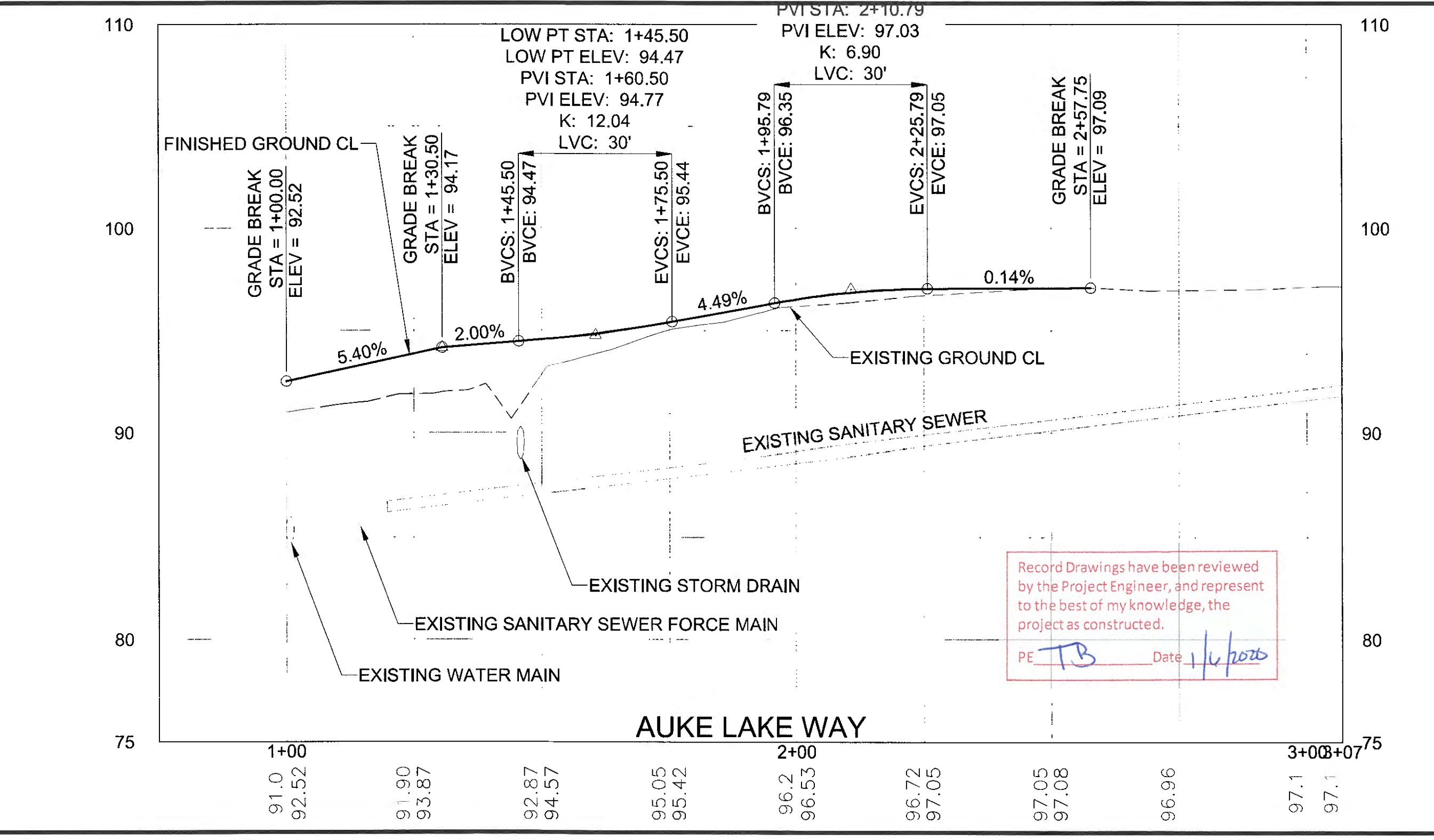
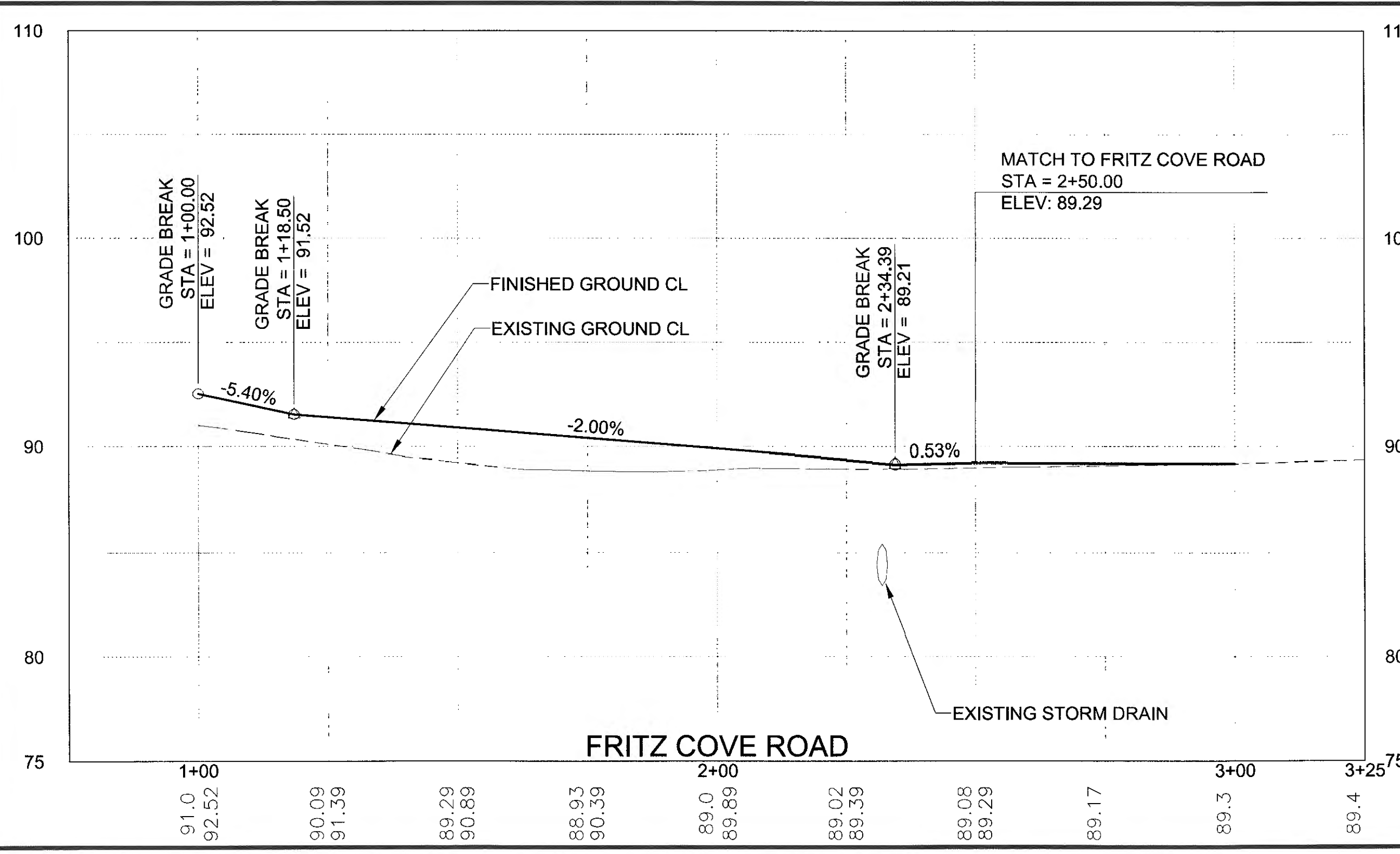
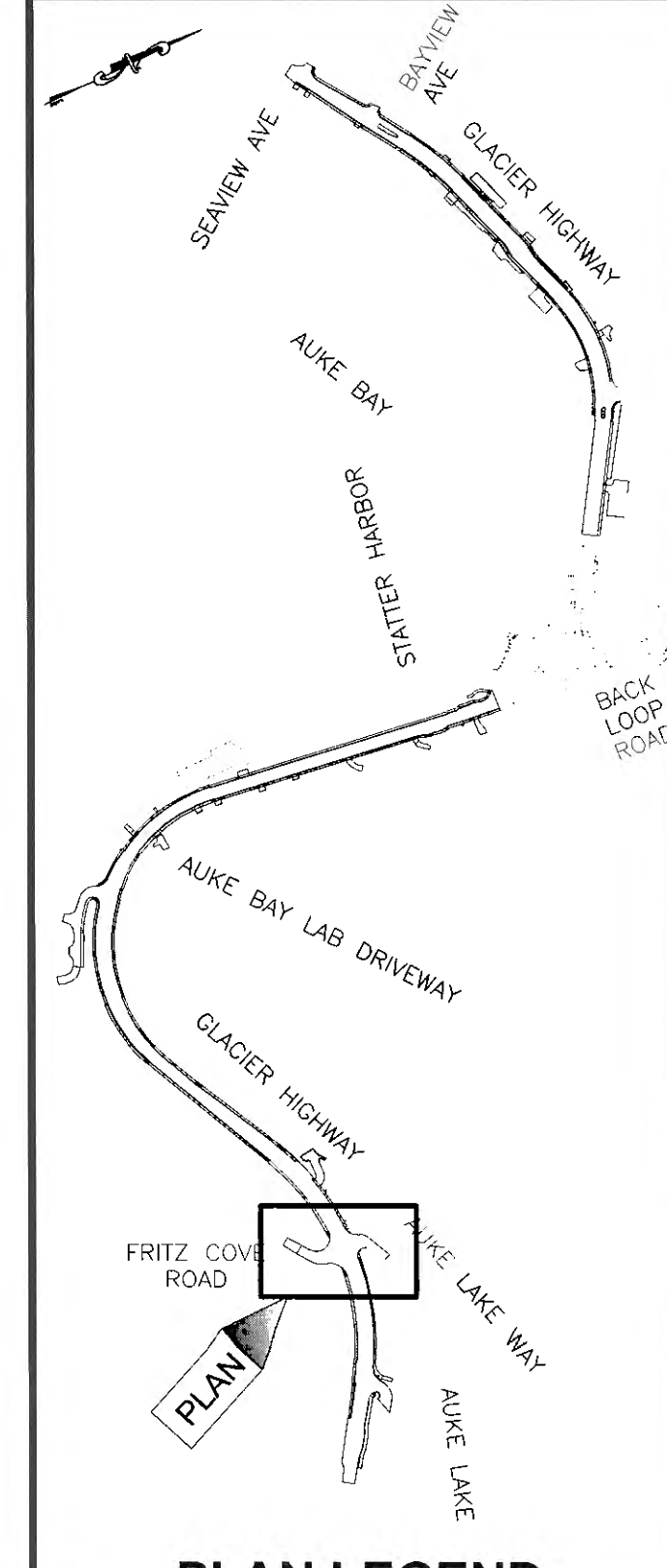
Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE: TB Date: 11/11/2020



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: F14

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

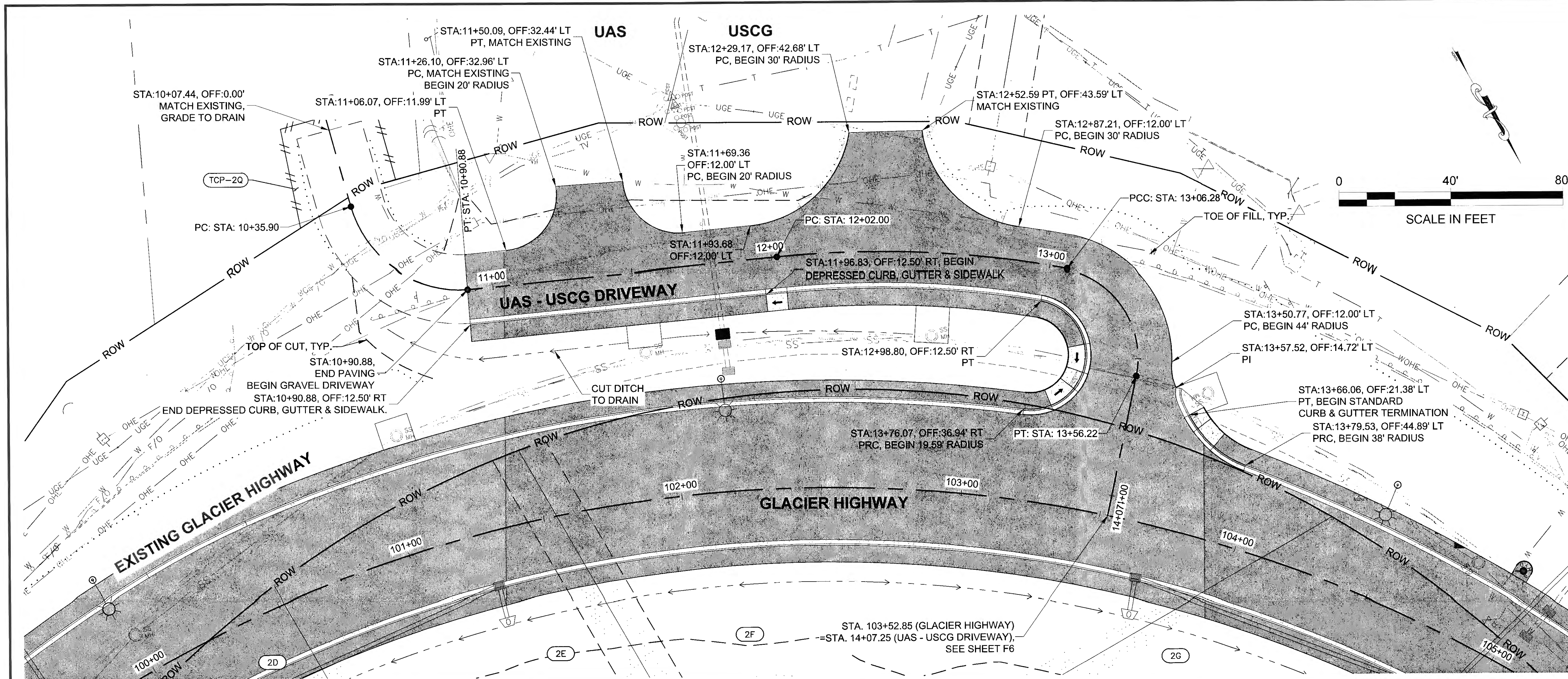
MISCELLANEOUS PLAN & PROFILES

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
F14	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 11/1/2016

PATH: U:\204700154\DWG\GIS\1289400\F14-F17.DWG



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

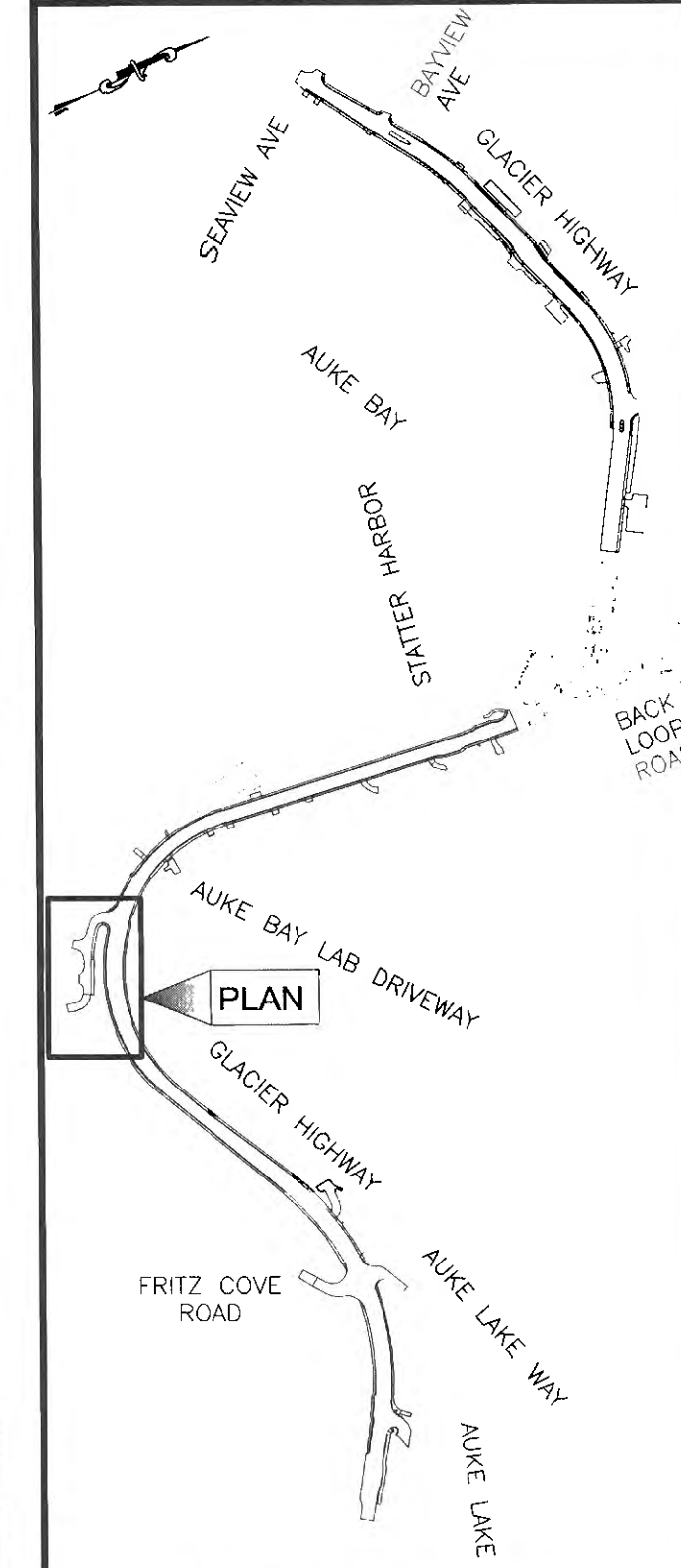
TAB: F15

ADDENDUM NUMBER

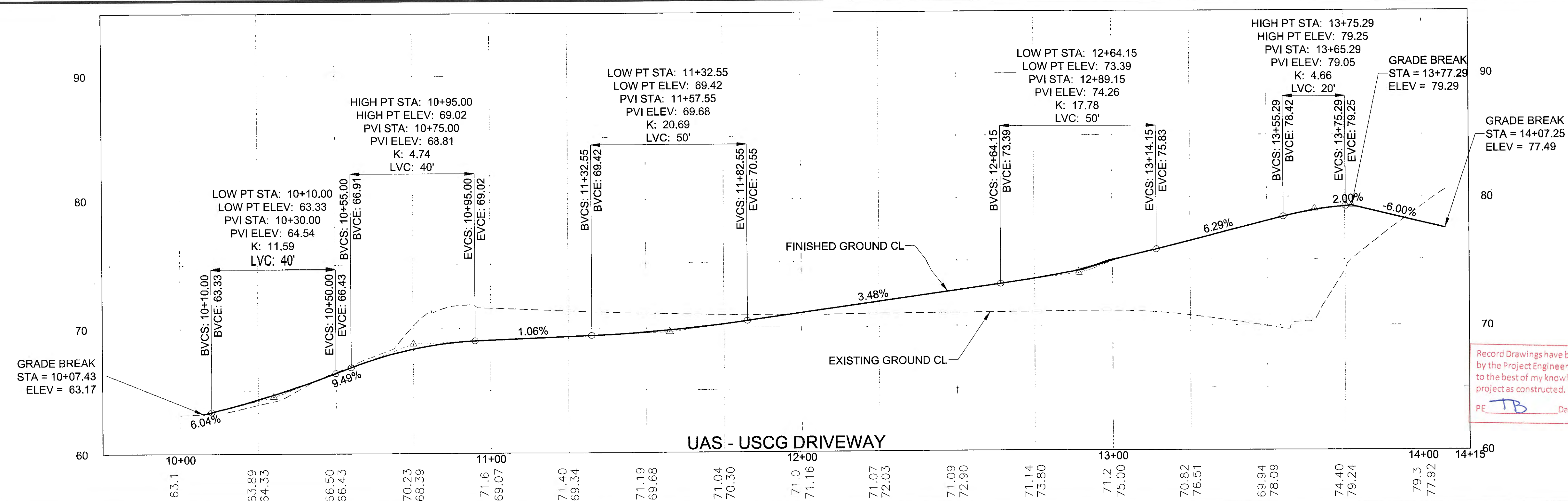
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**MISCELLANEOUS
 PLAN & PROFILES**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
F15	145

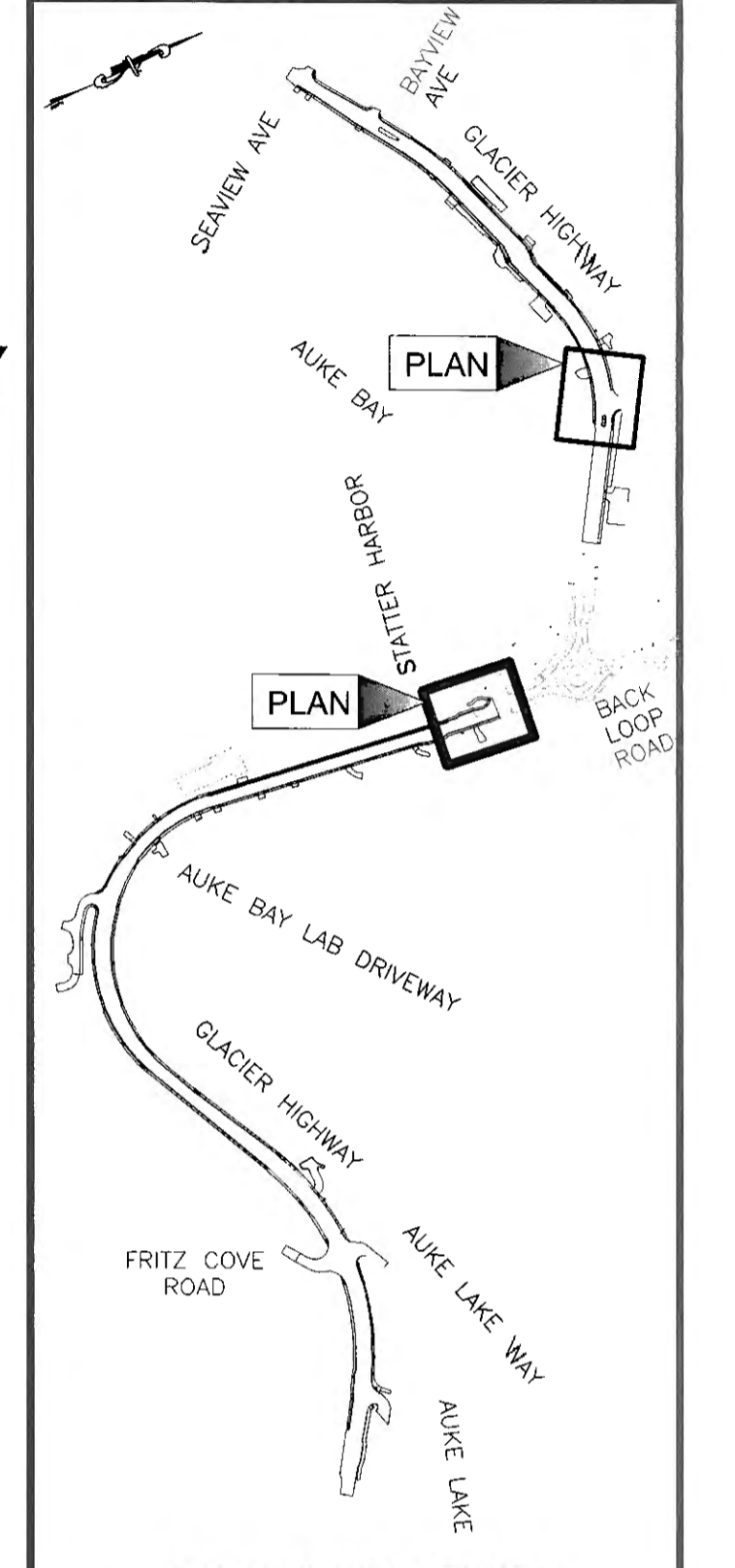
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: JB Date: 1/11/2020

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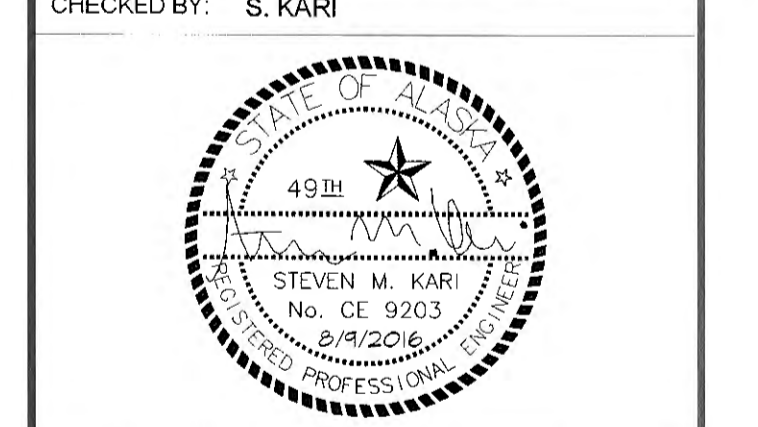
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: F16
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTH-COAST REGION

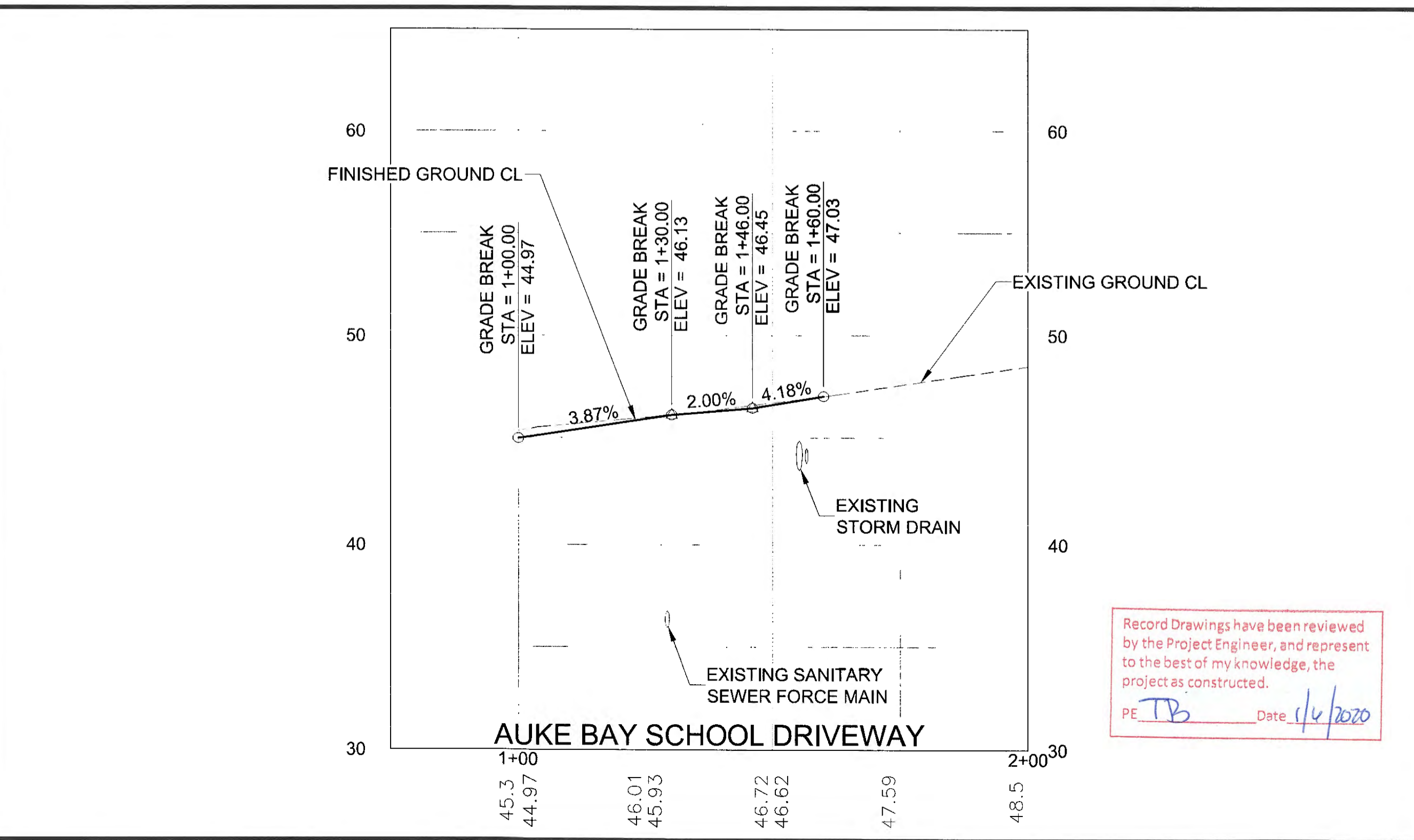
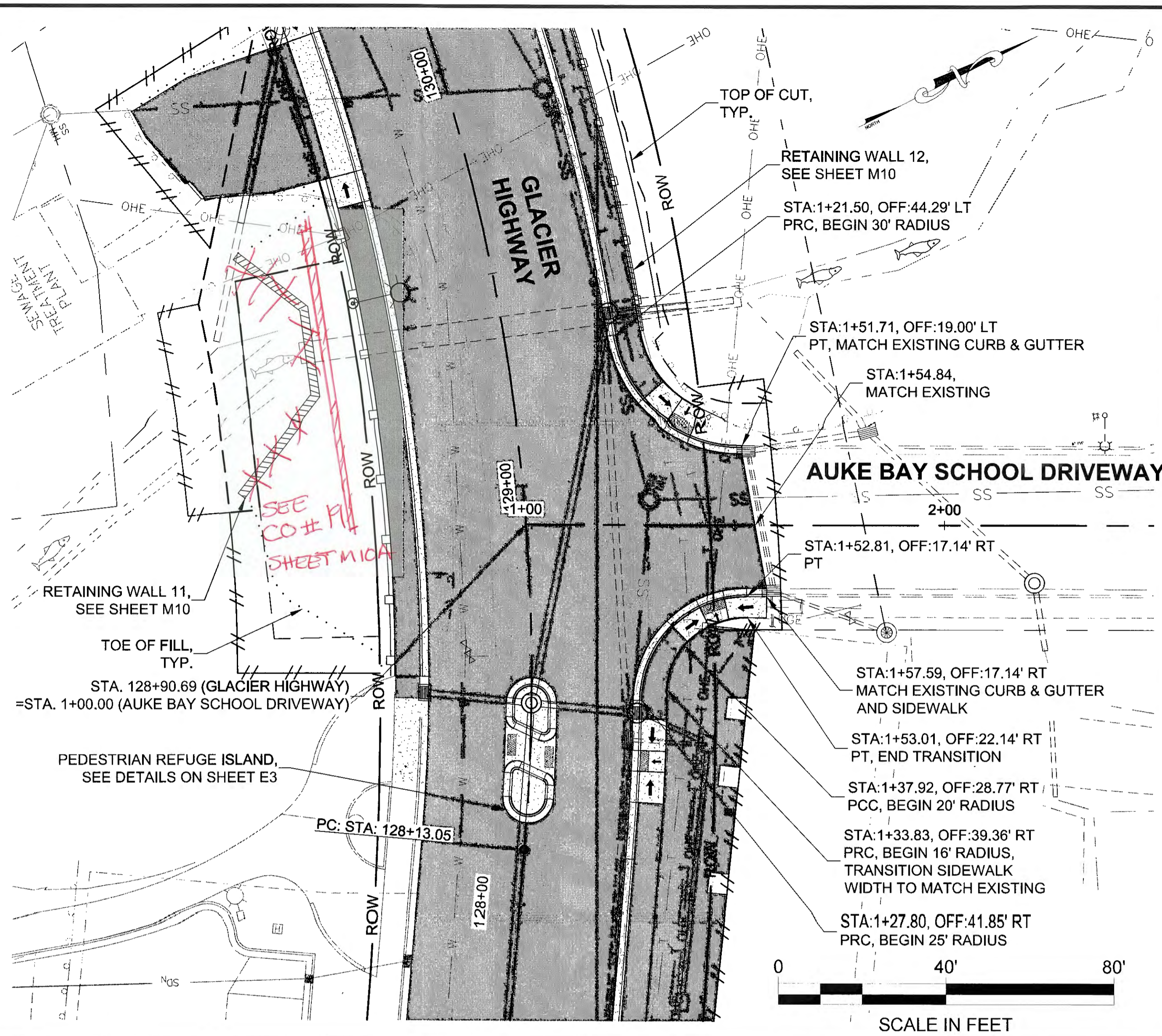
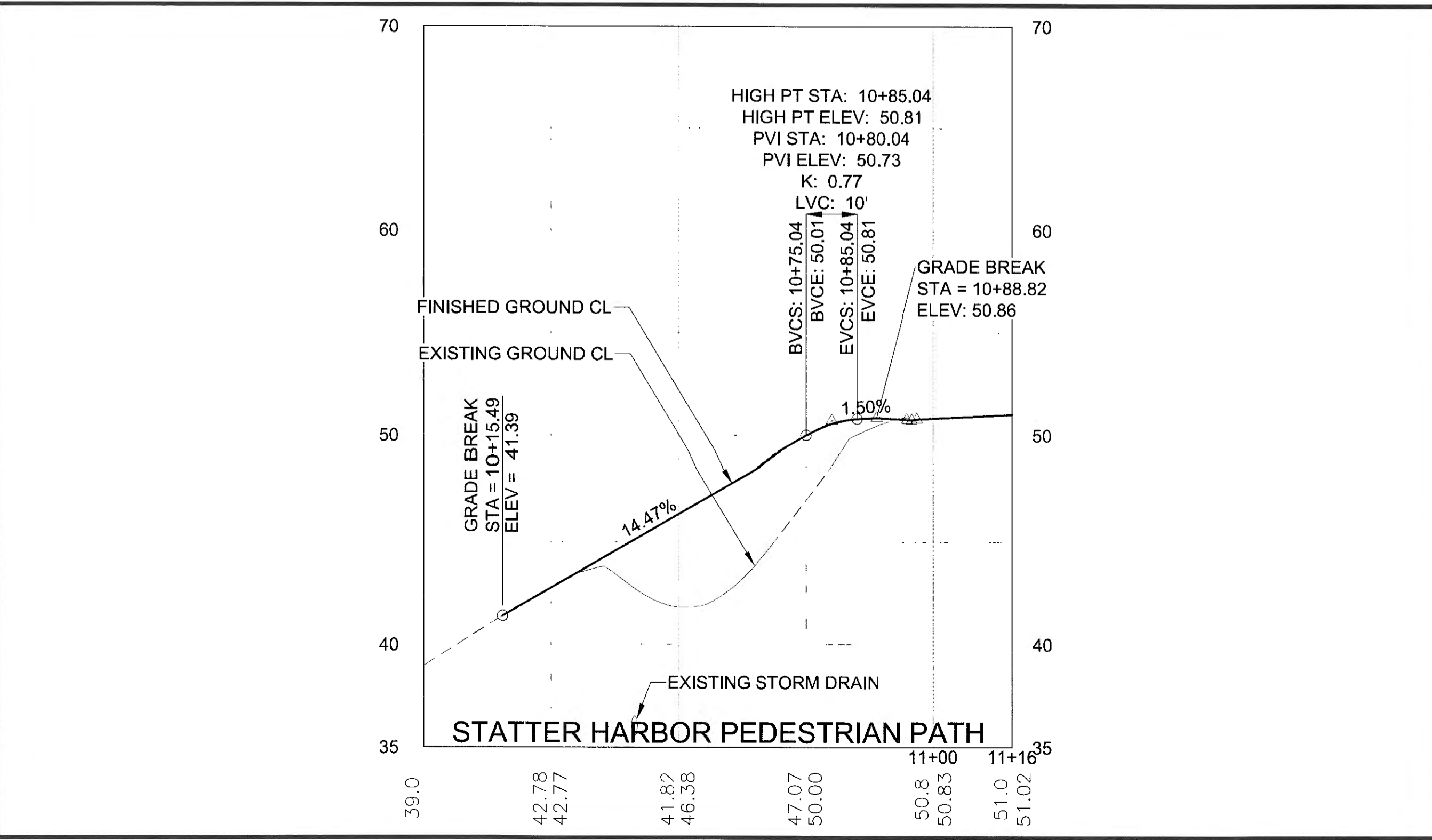
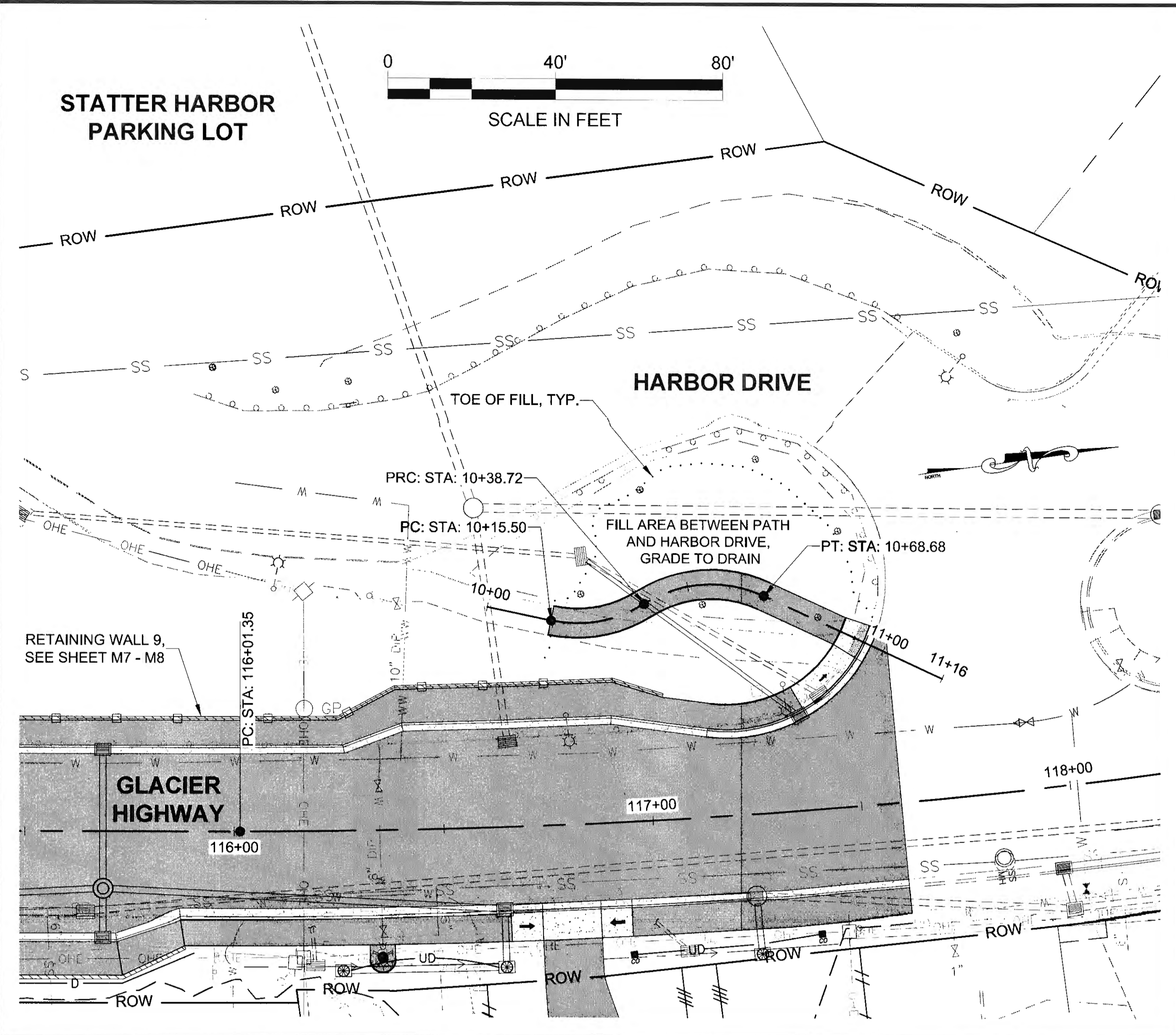
GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**MISCELLANEOUS
 PLAN & PROFILES**

PROJECT DESIGNATION
0933039/Z684710000

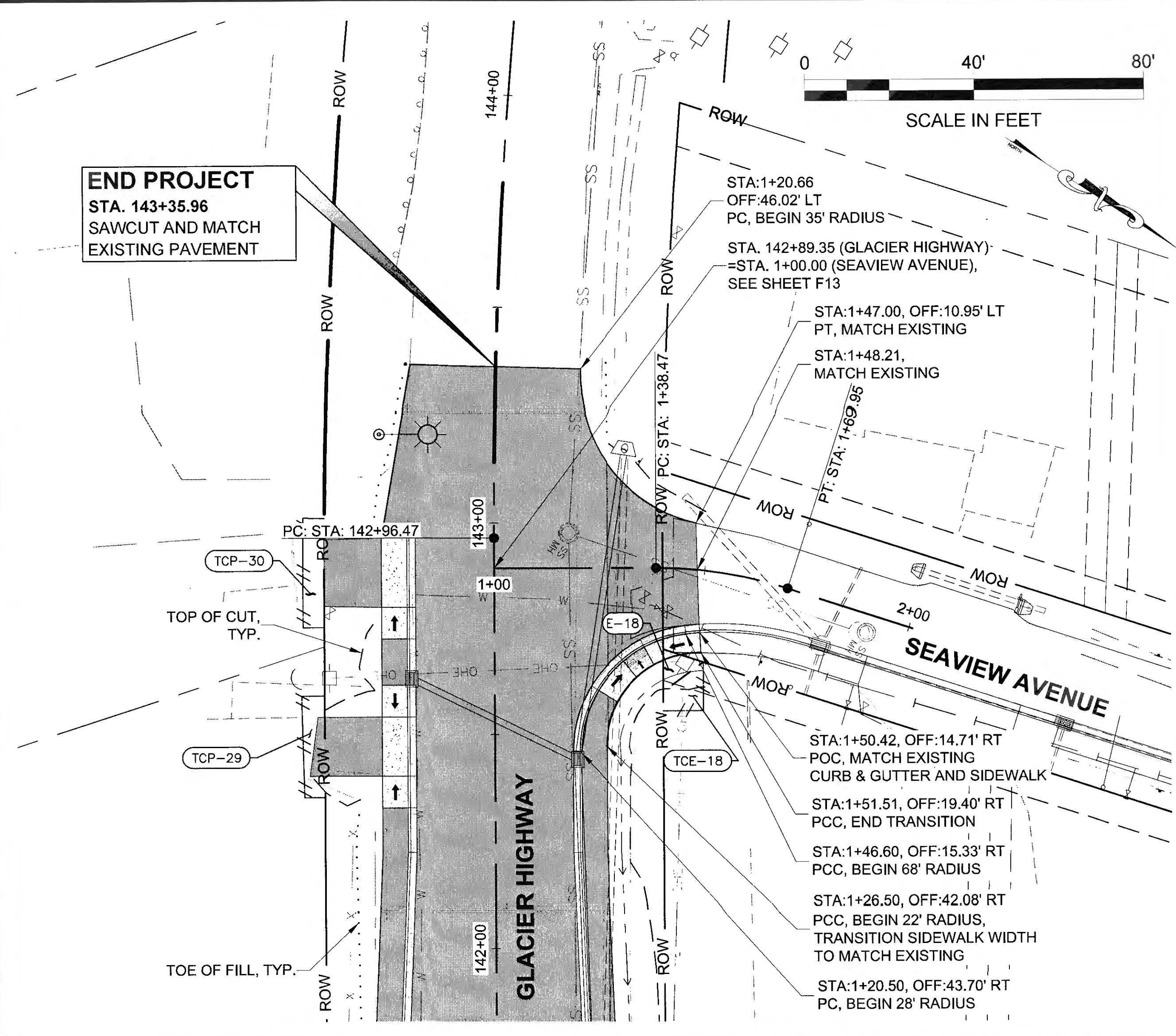
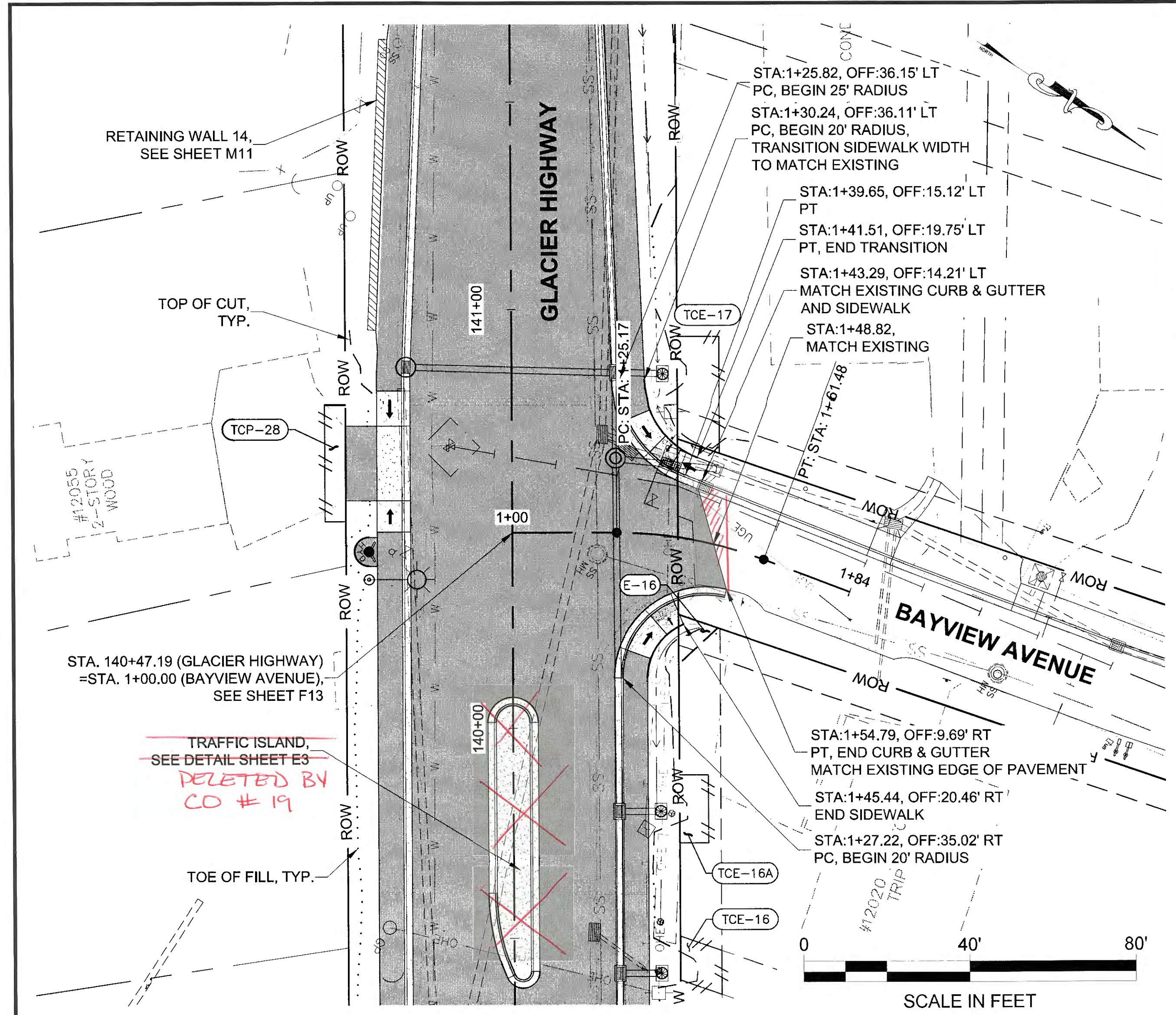
STATE: ALASKA
 YEAR: 2016

SHEET NUMBER: F16
 TOTAL SHEETS: 145



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Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE: TB Date: 1/4/2020



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

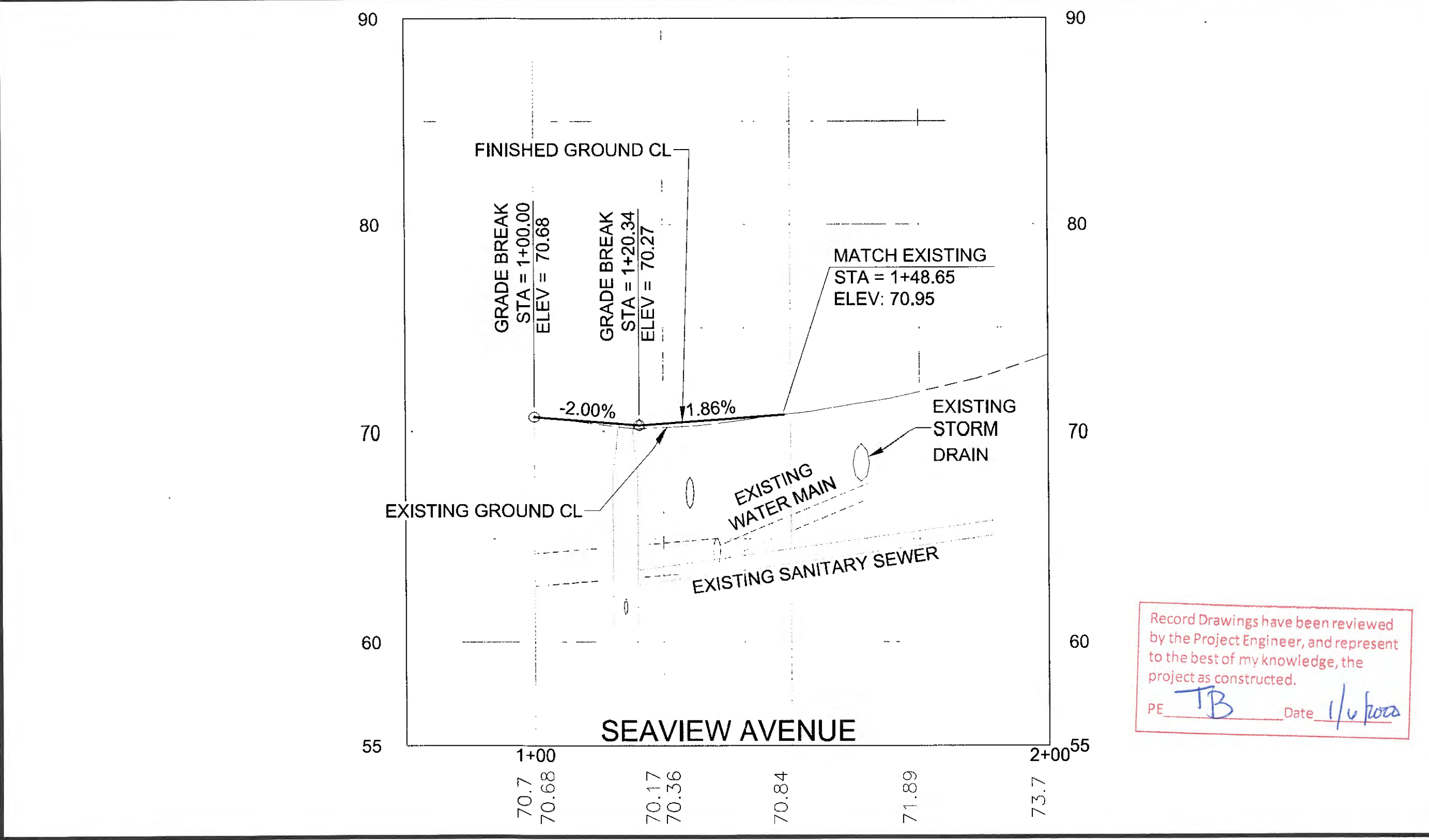
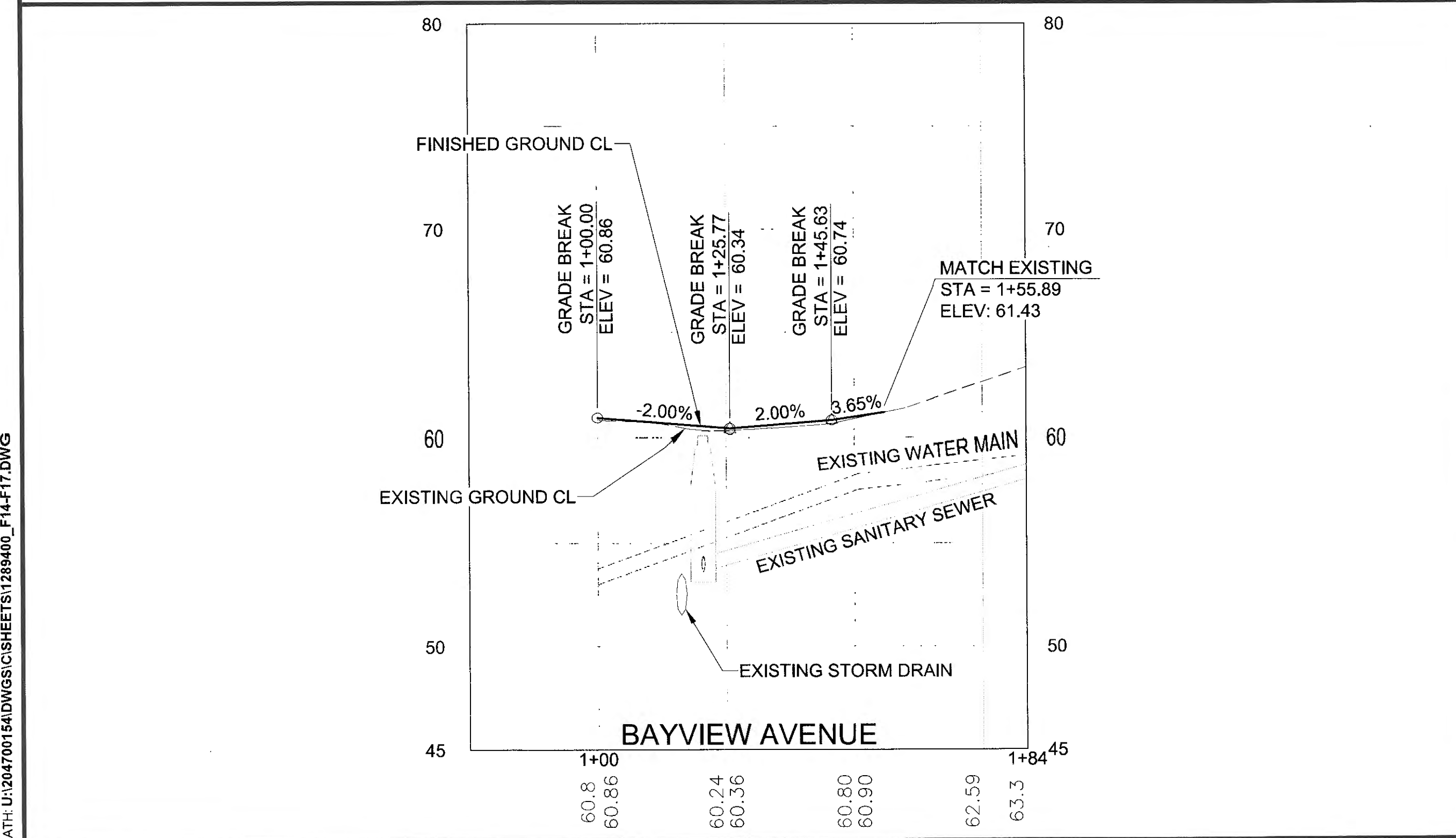
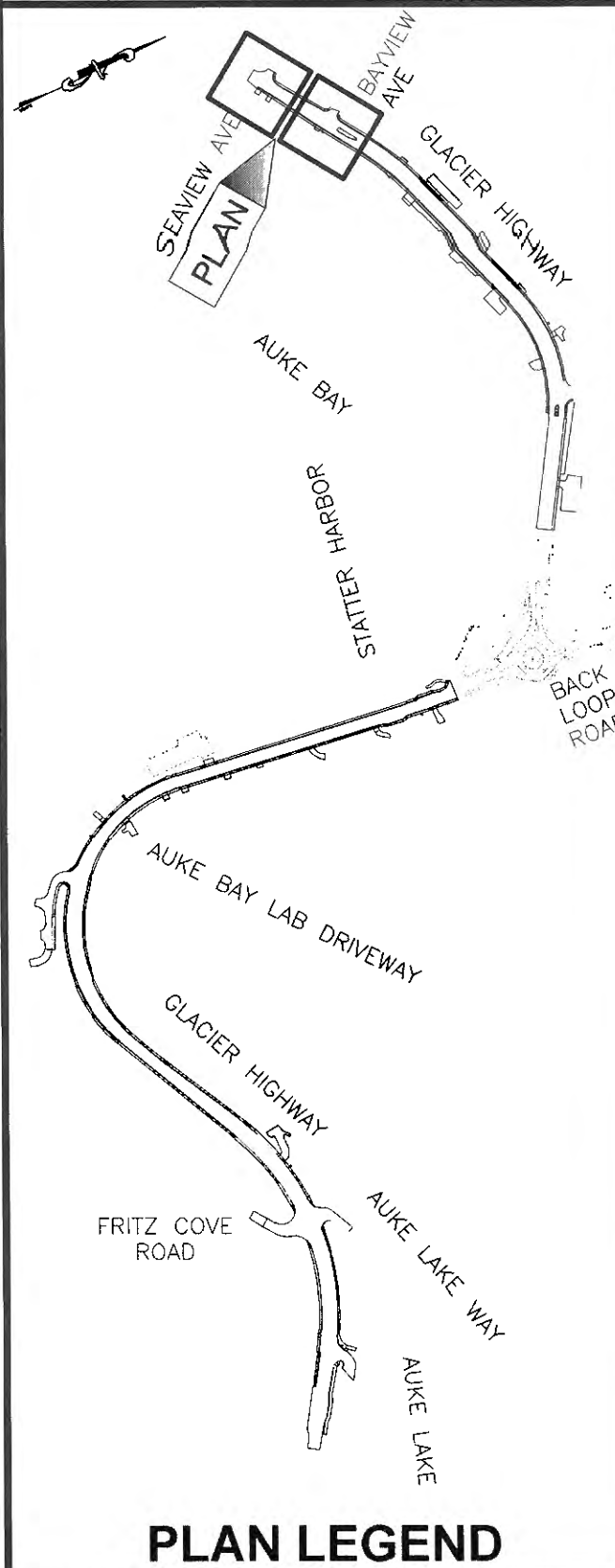
TAB: F17

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

MISCELLANEOUS
 PLAN & PROFILES

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

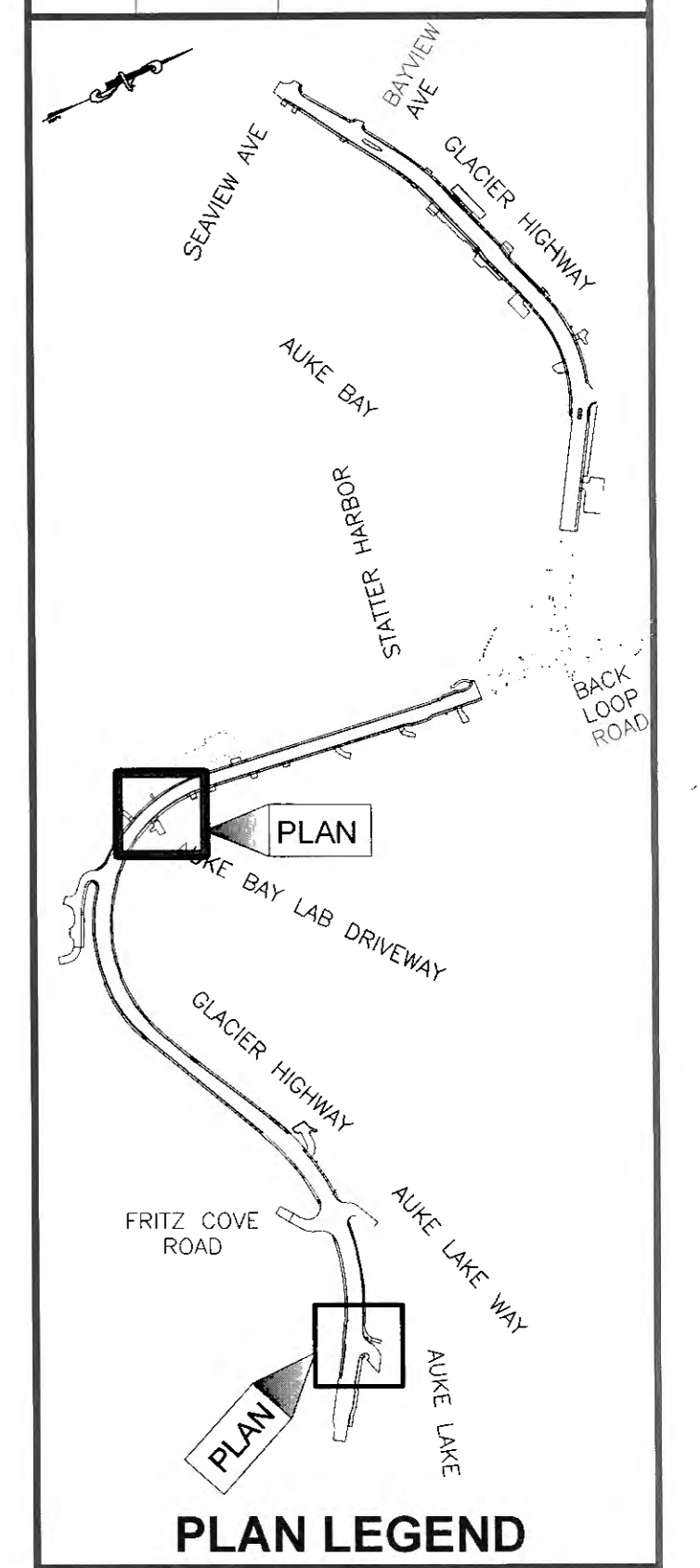
SHEET NUMBER	TOTAL SHEETS
F17	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: TB Date: 1/4/2022

PATH: U:\2017\00154\DWGS\C\SHSHEETS\1285400_F14-F17.DWG

TAB: G1

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



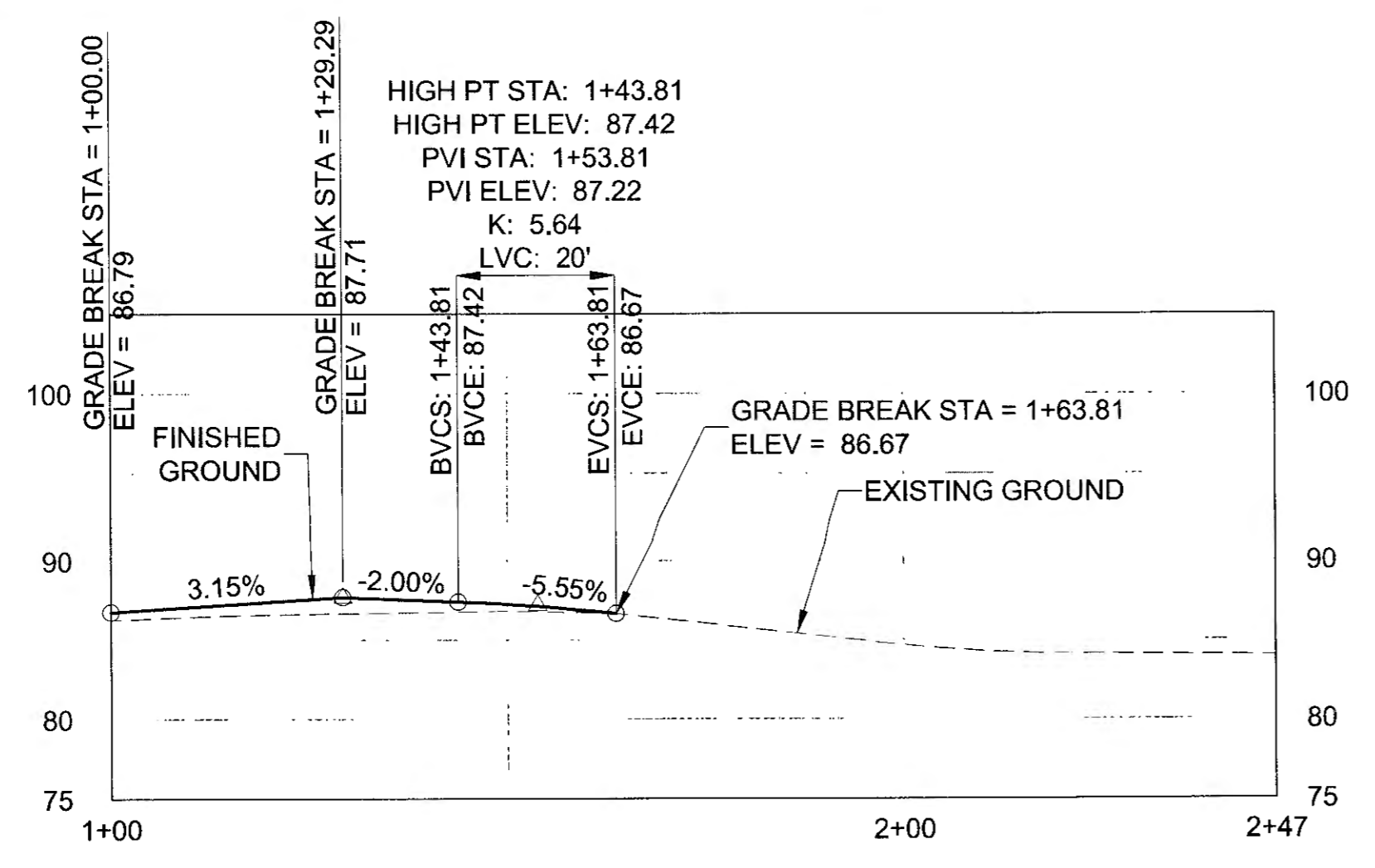
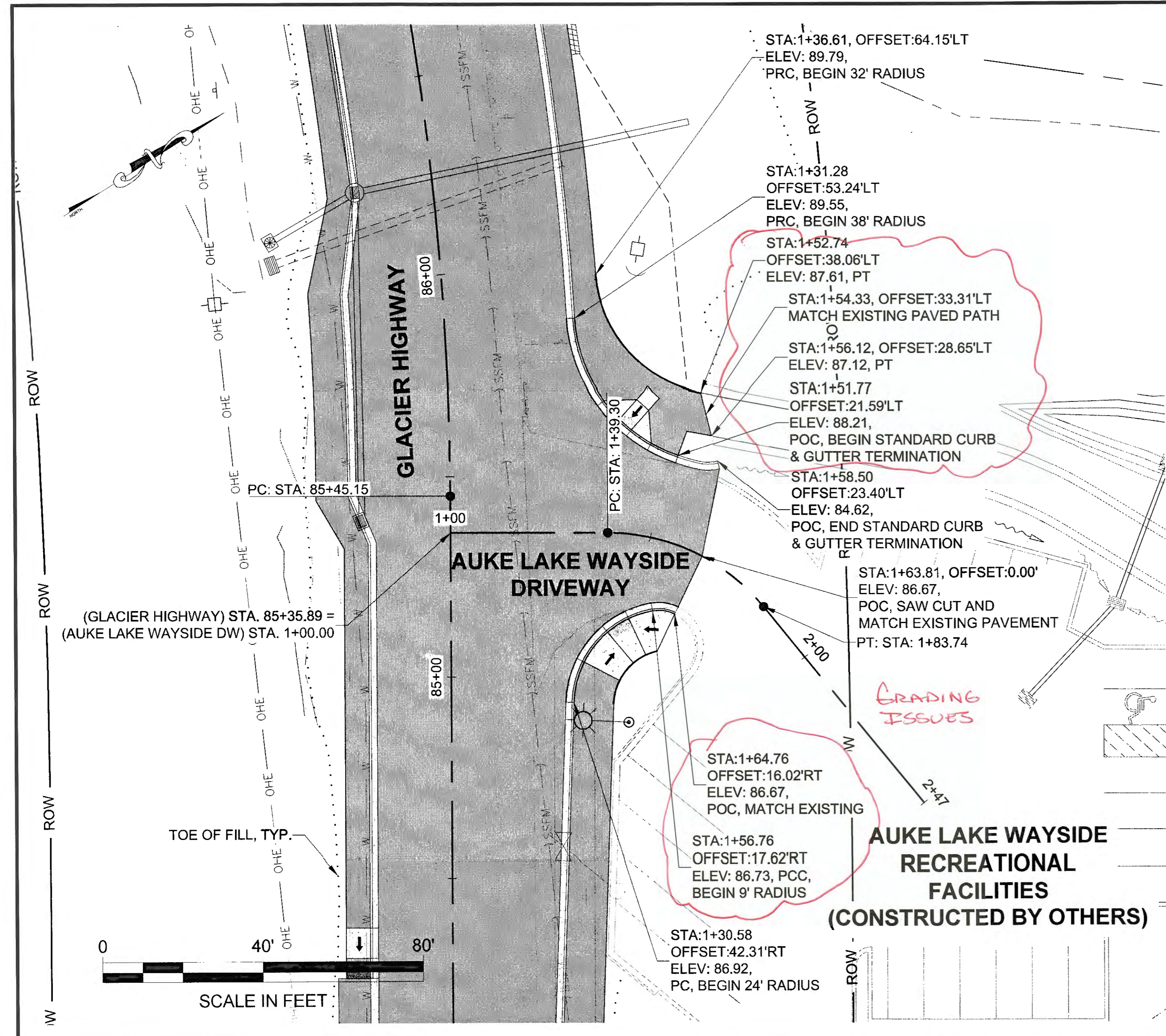
DESIGNED BY: B. PADDOCK, C. HAKARI
 DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

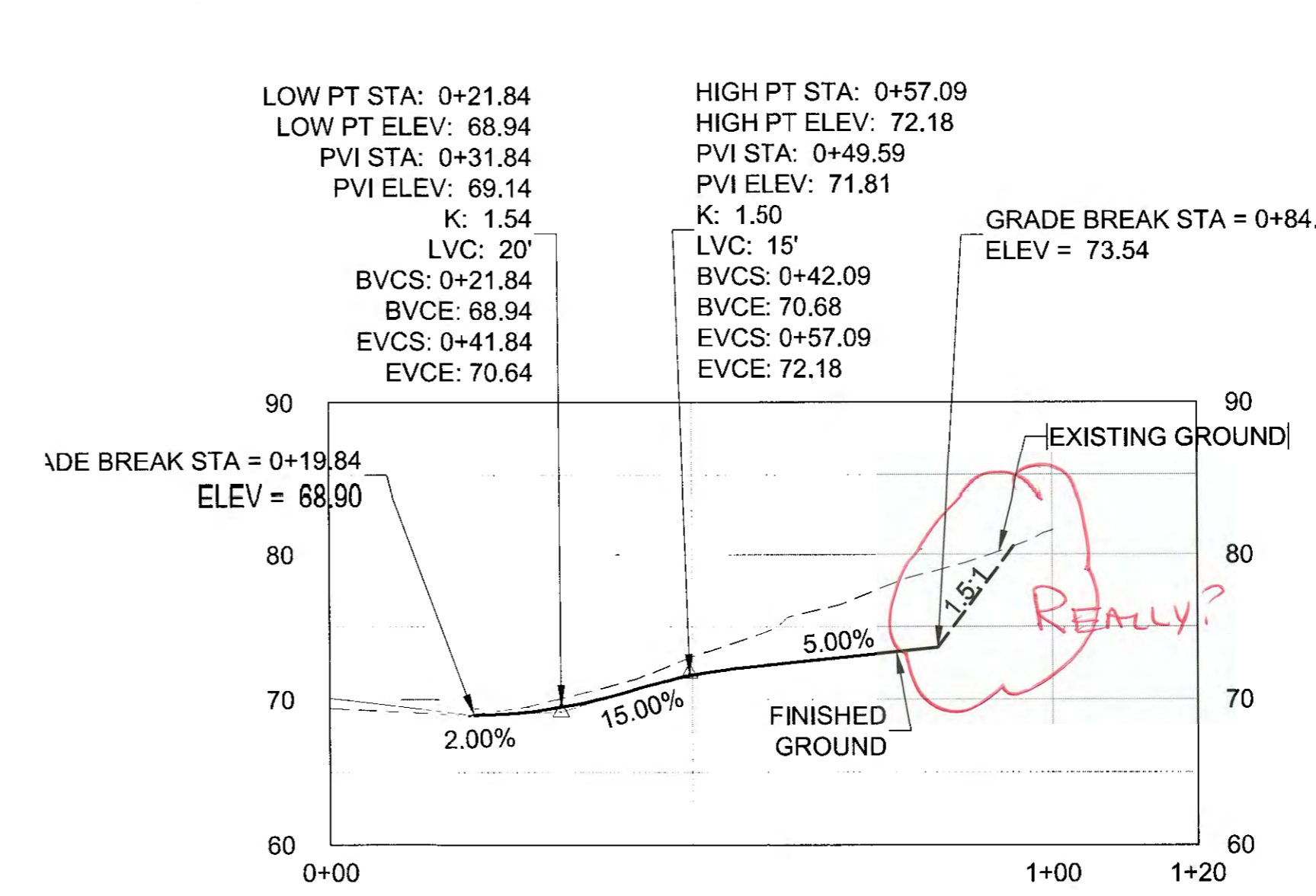
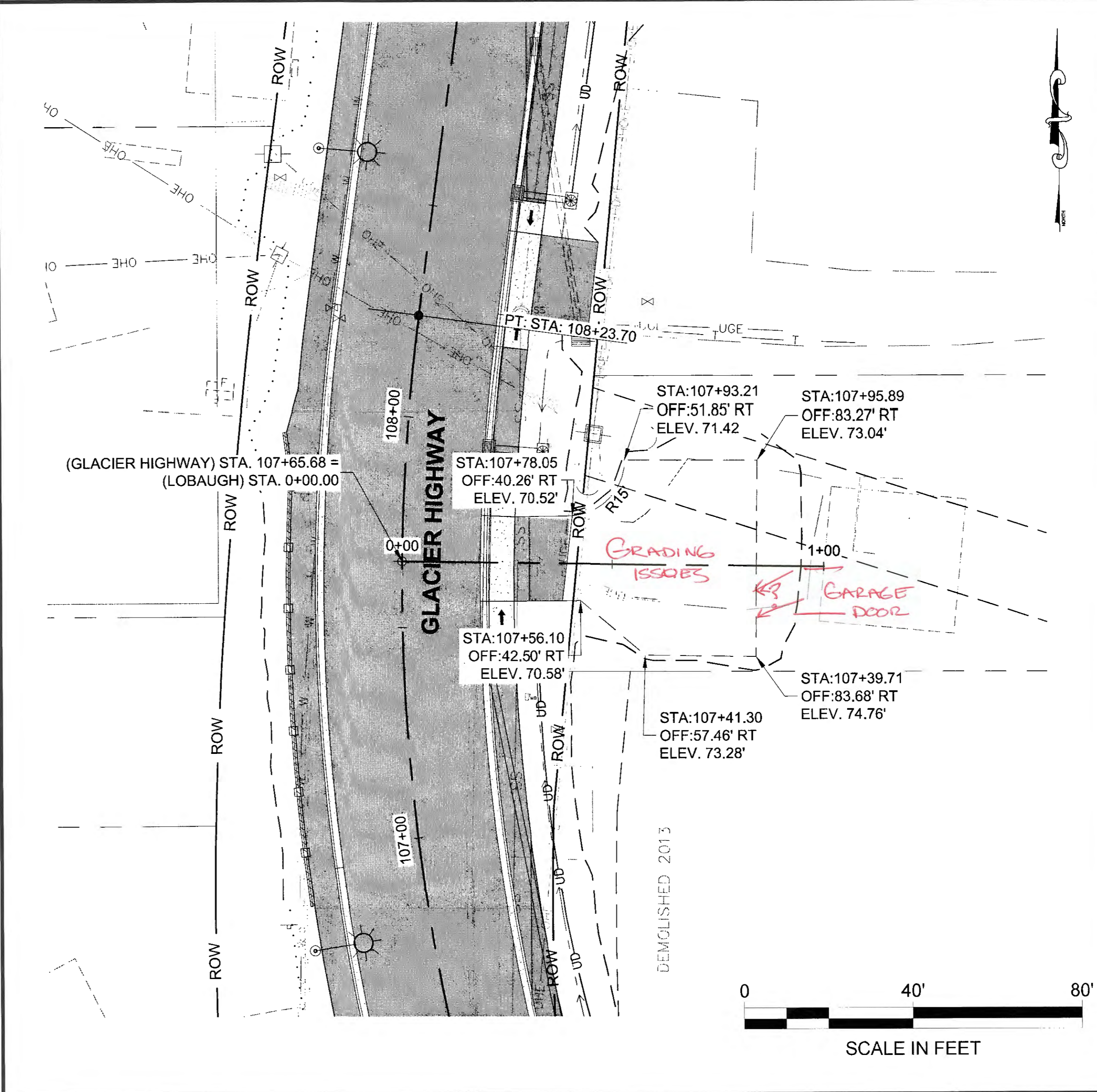
**GLACIER HIGHWAY
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

GRADING
 PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
G1	145



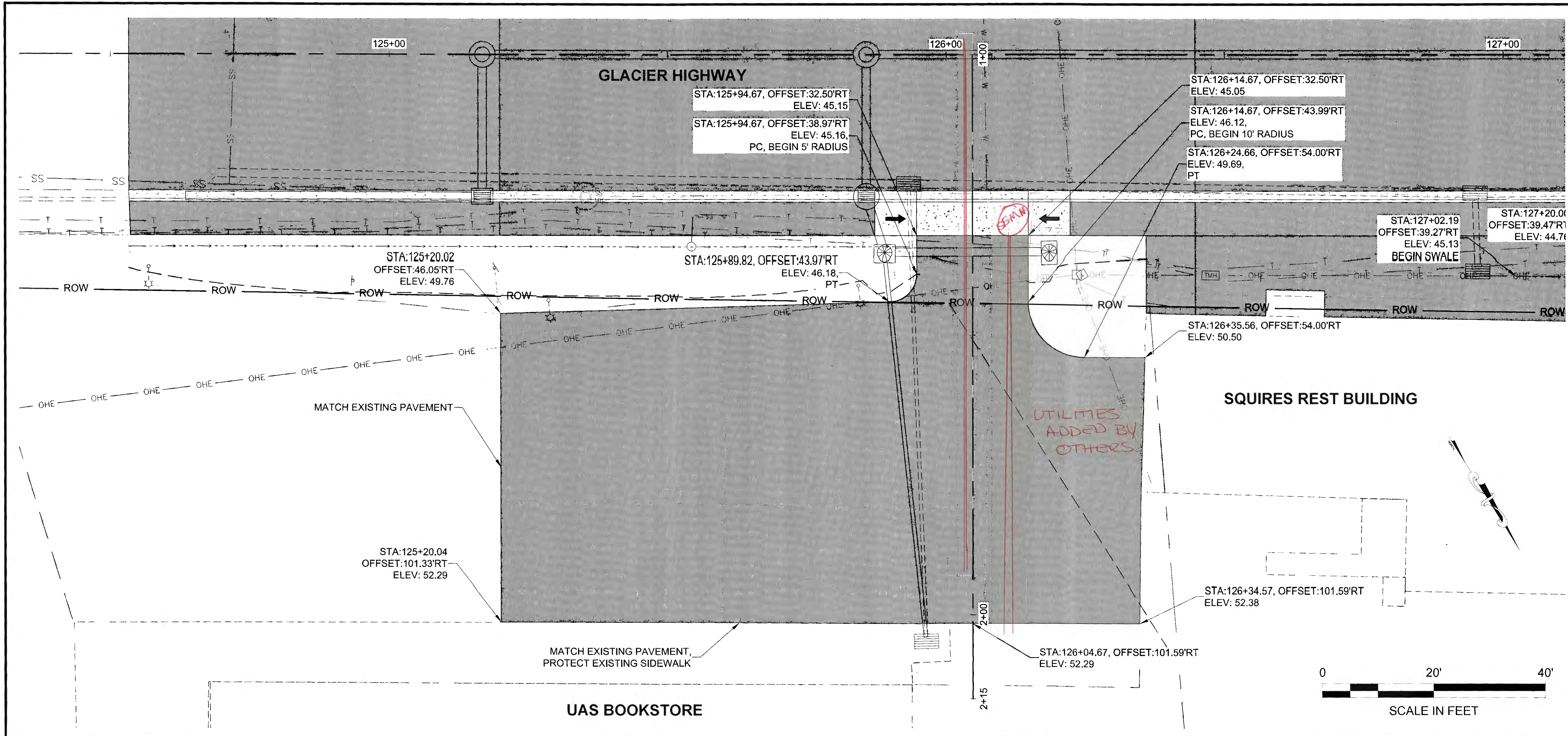
AUKE LAKE WAYSIDE DRIVEWAY



LOBAUGH DRIVEWAY

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020

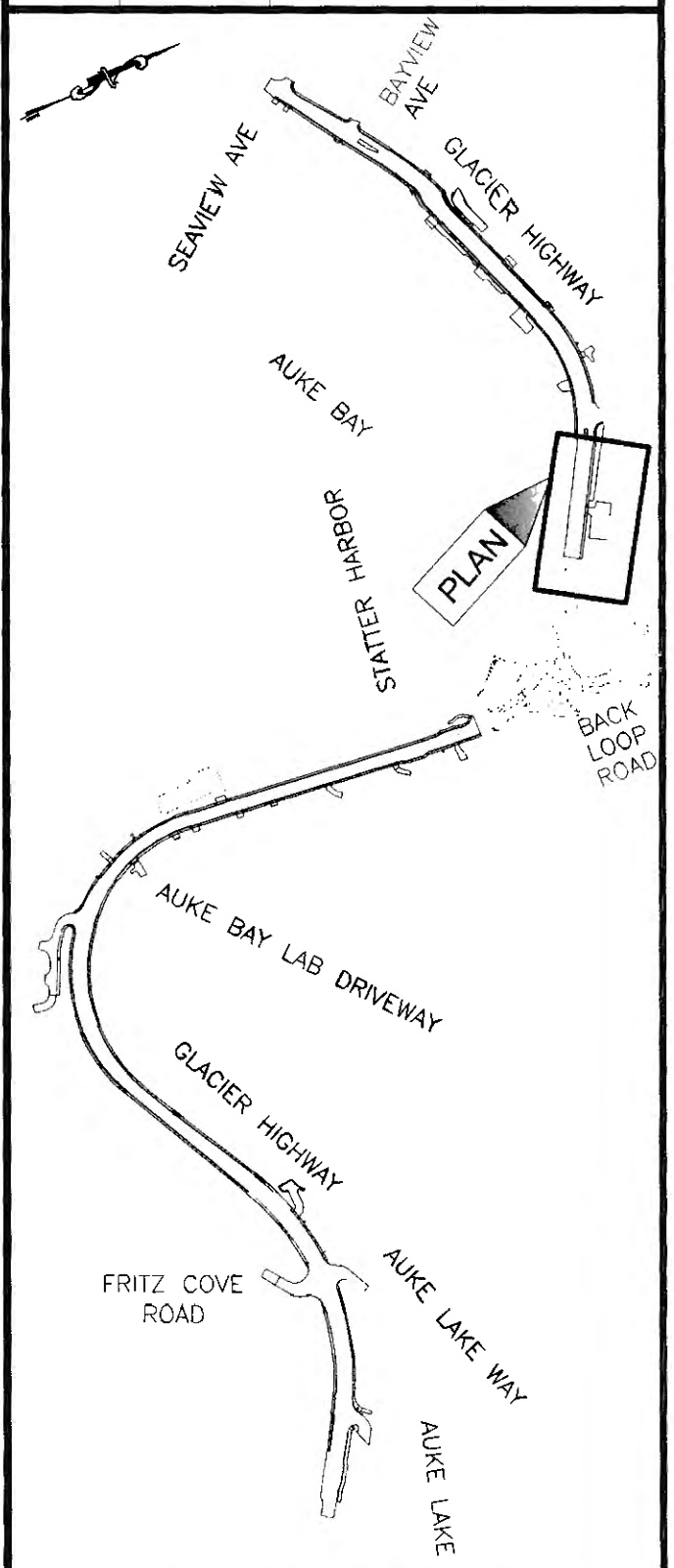
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PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

TAB G2

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



DESIGNED BY: B. PADDOCK, C. HAKARI
DRAWN BY: B. PADDOCK, C. HAKARI

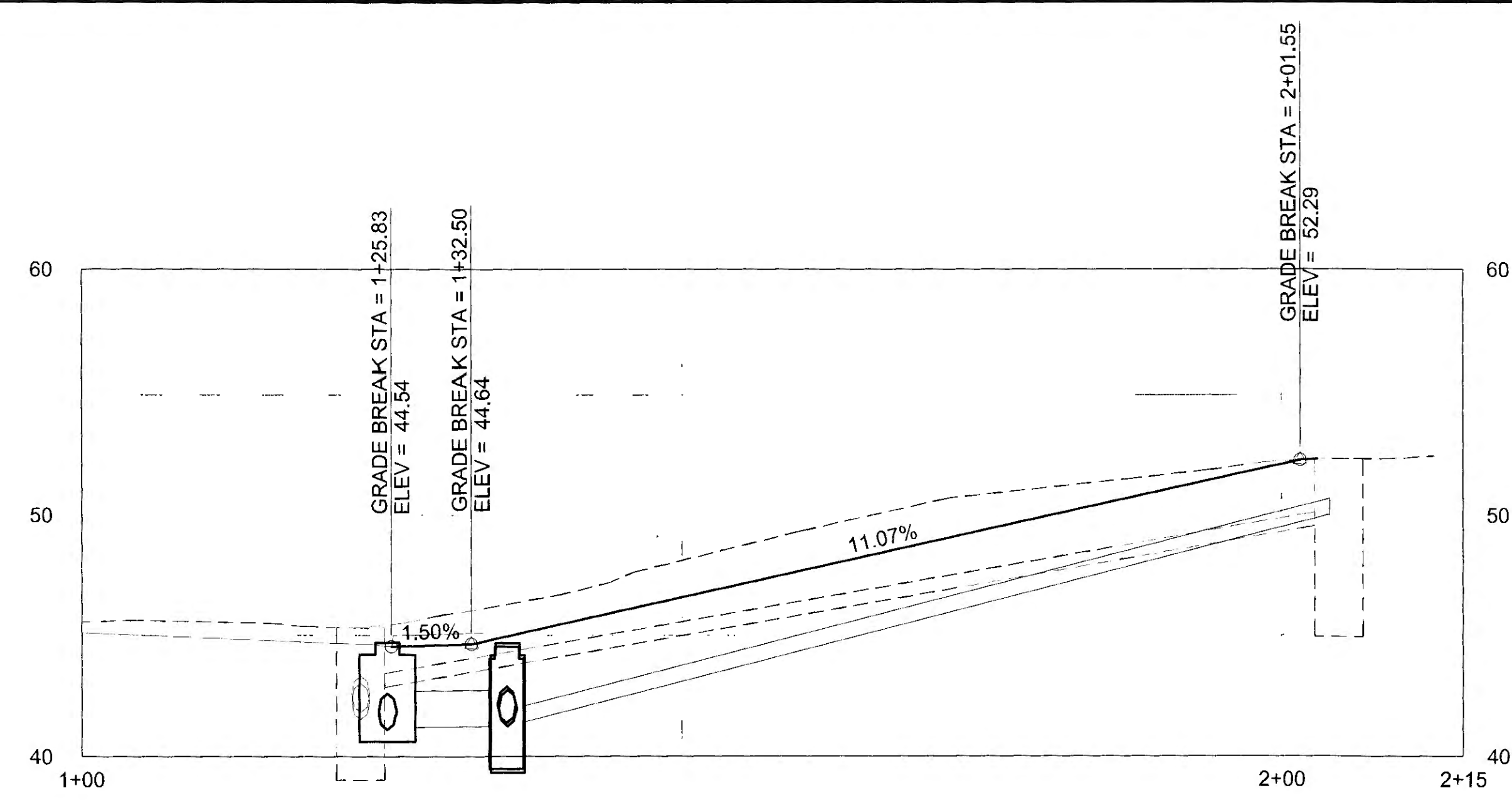
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE**

GRADING

PROJECT DESIGNATION
0933039/Z684710000

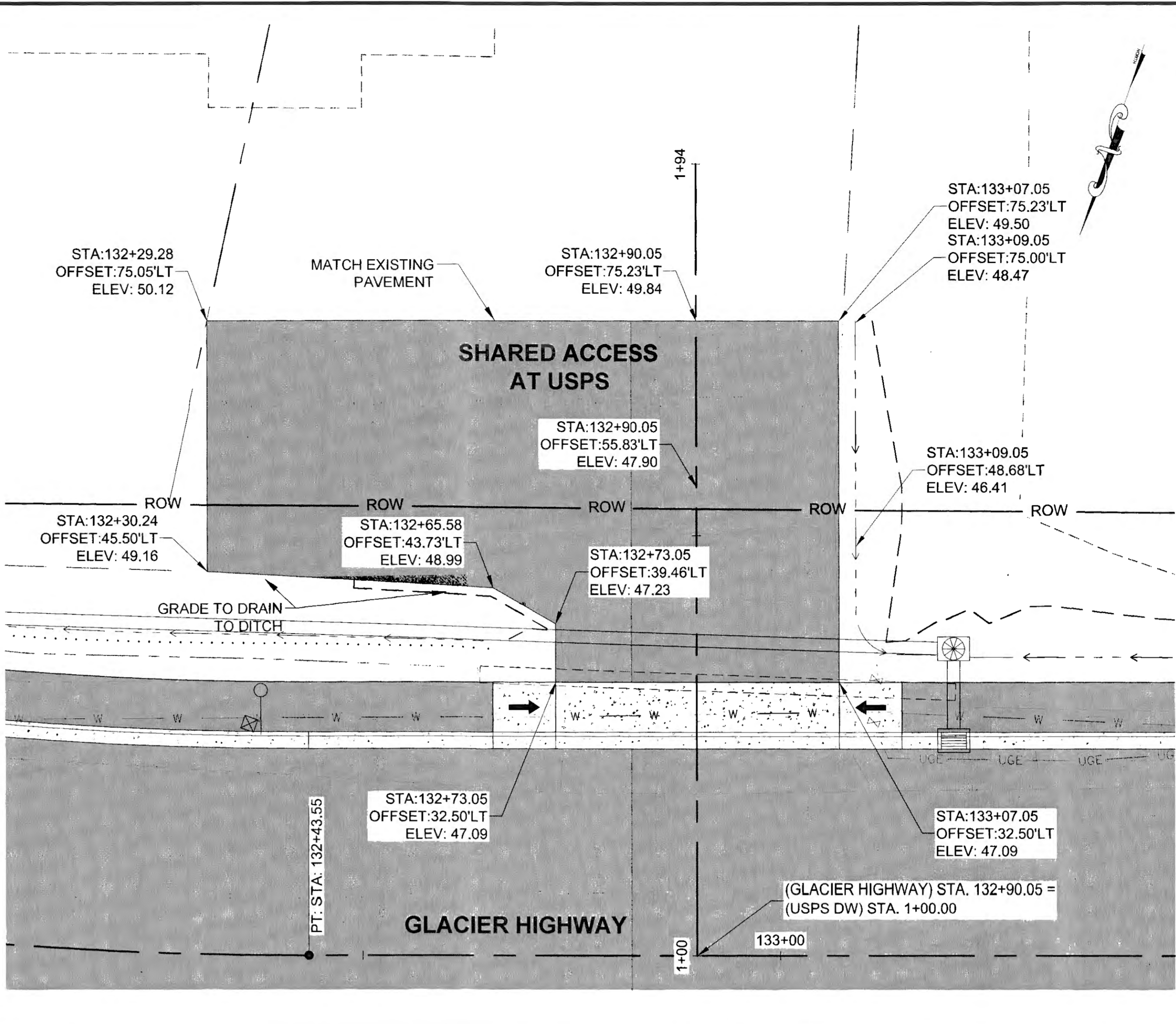
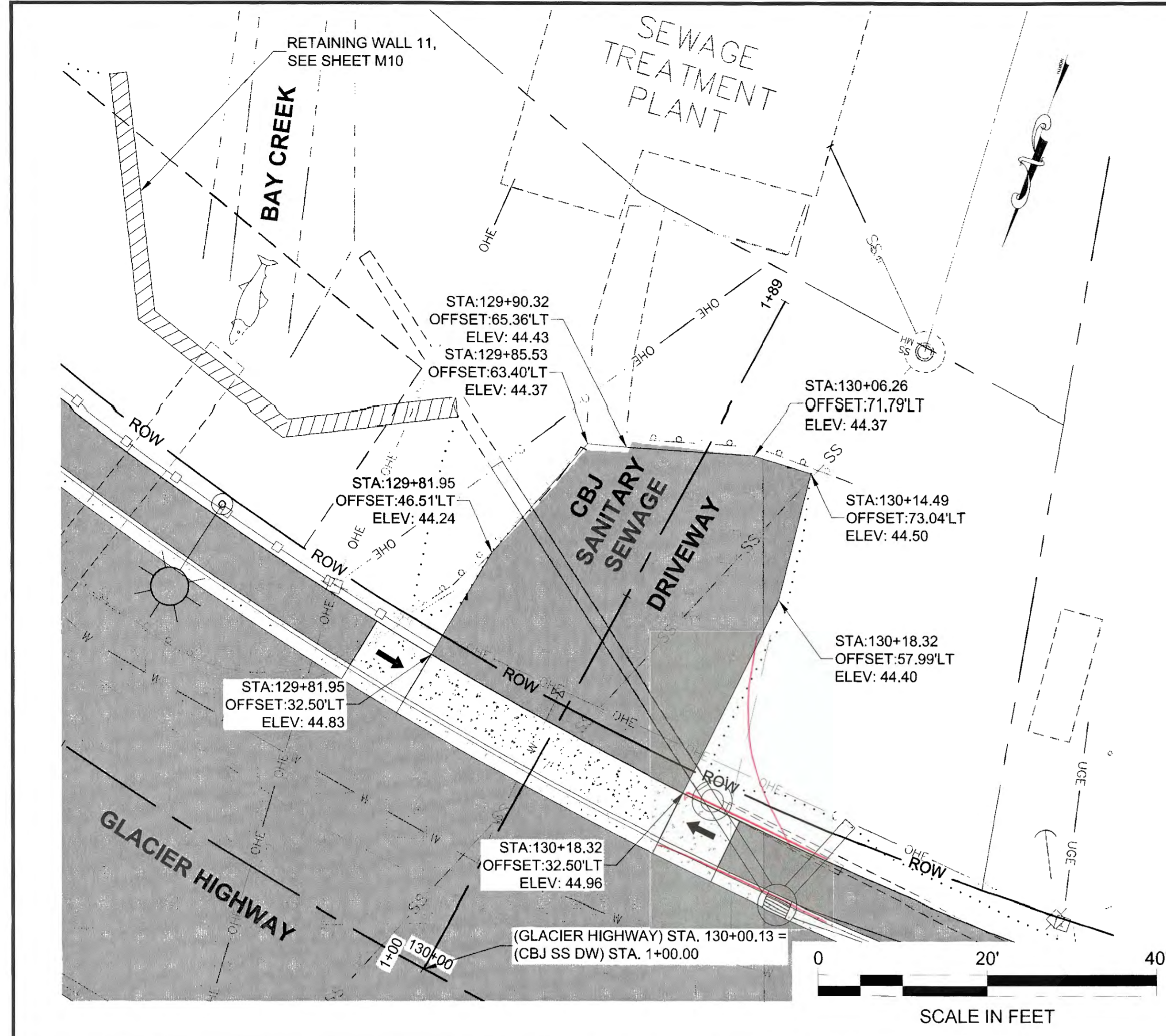
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
G2	145



Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.

PE: TB Date: 1/16/2020

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PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

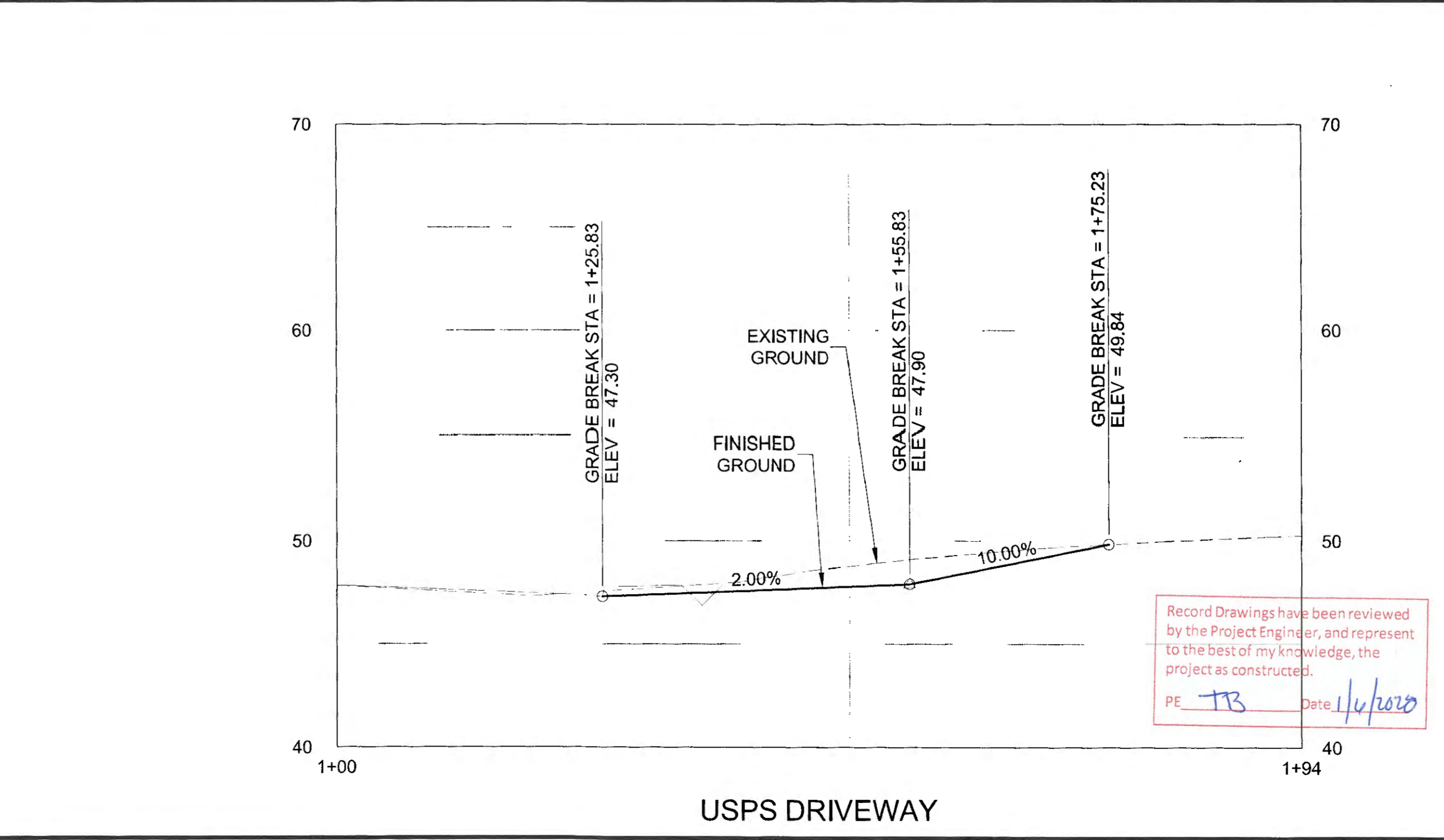
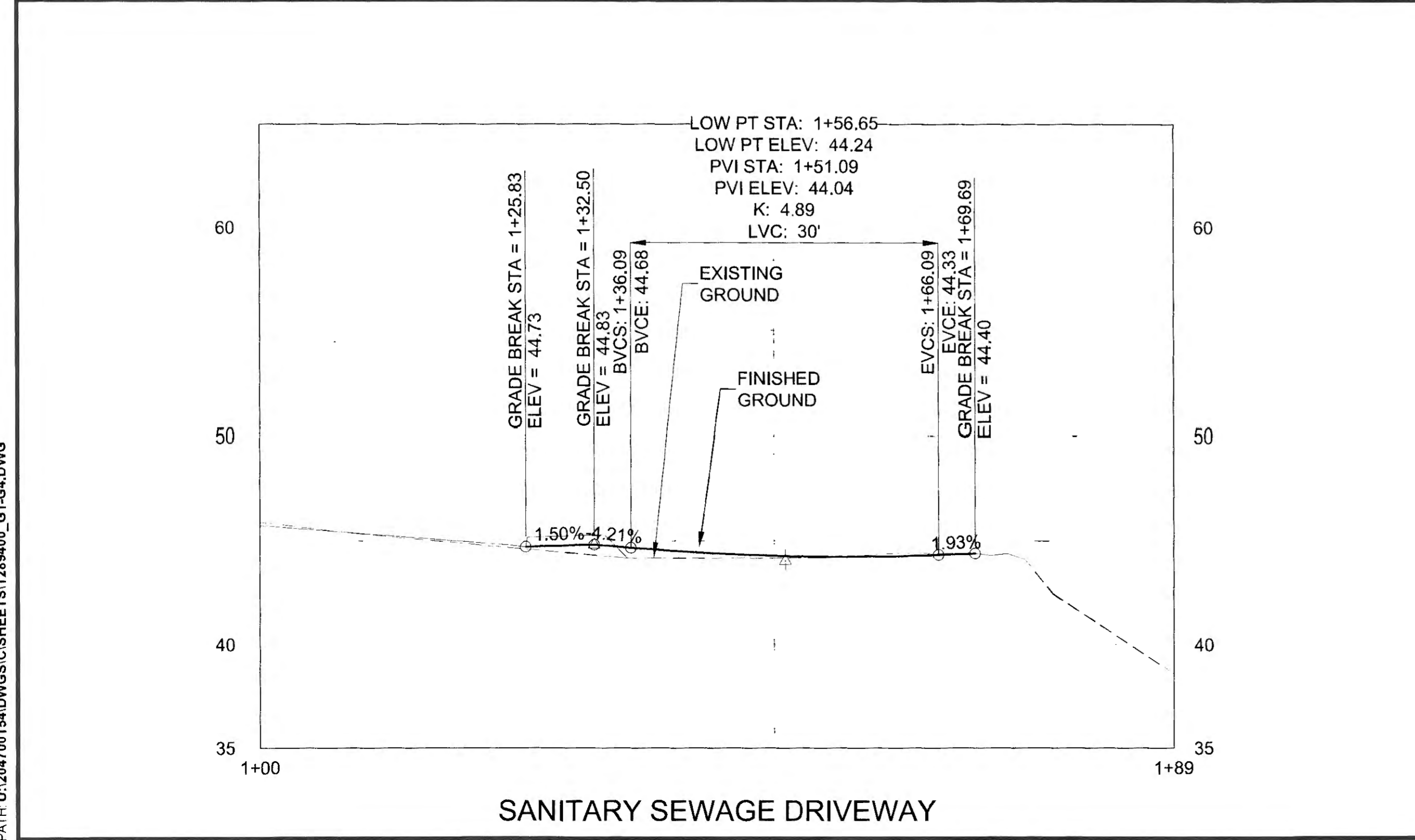
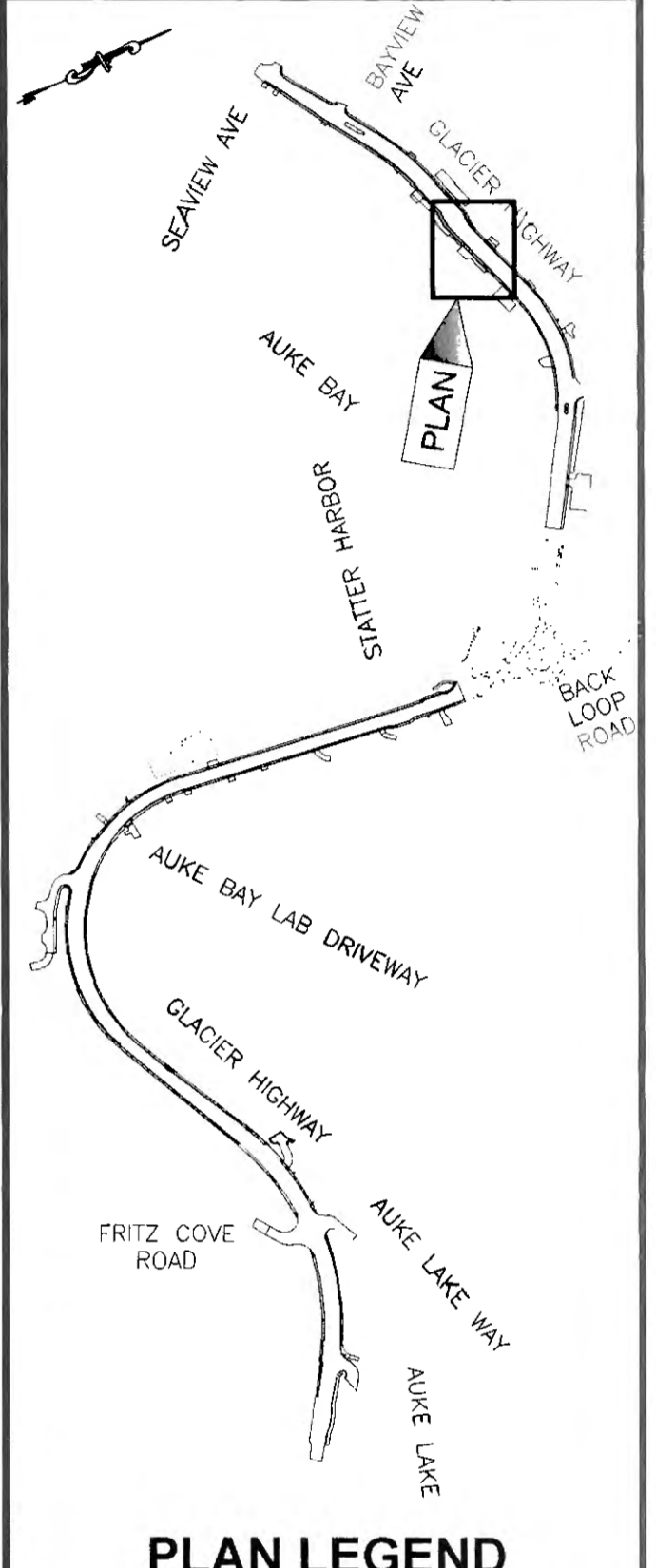
TAB: G4

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE: TJB Date: 1/4/2020

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK, C. HAKARI

DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION

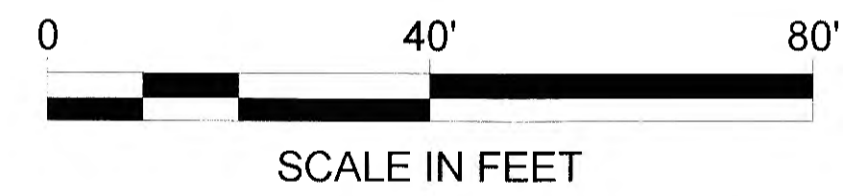
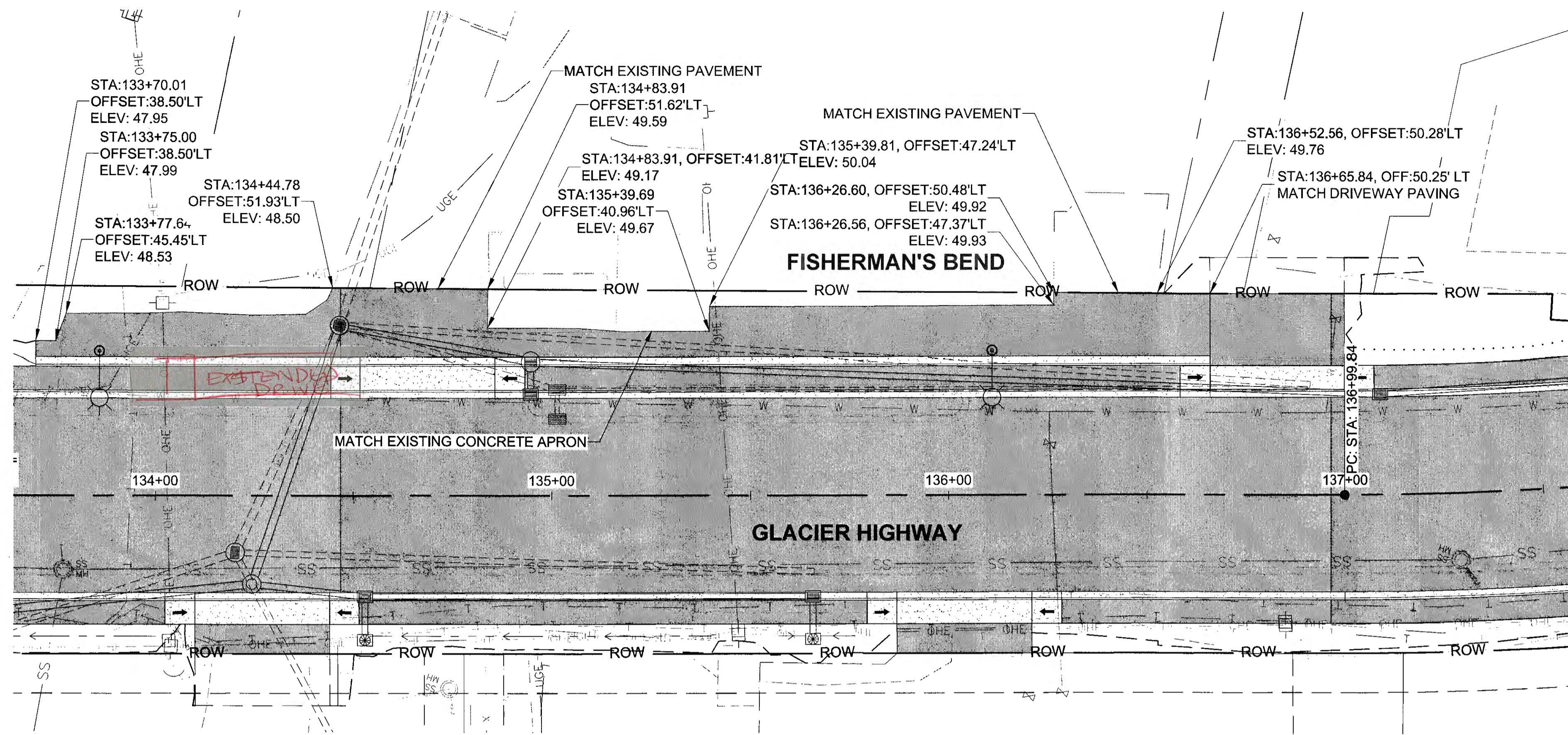
GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

GRADING

PROJECT DESIGNATION
0933039/Z684710000

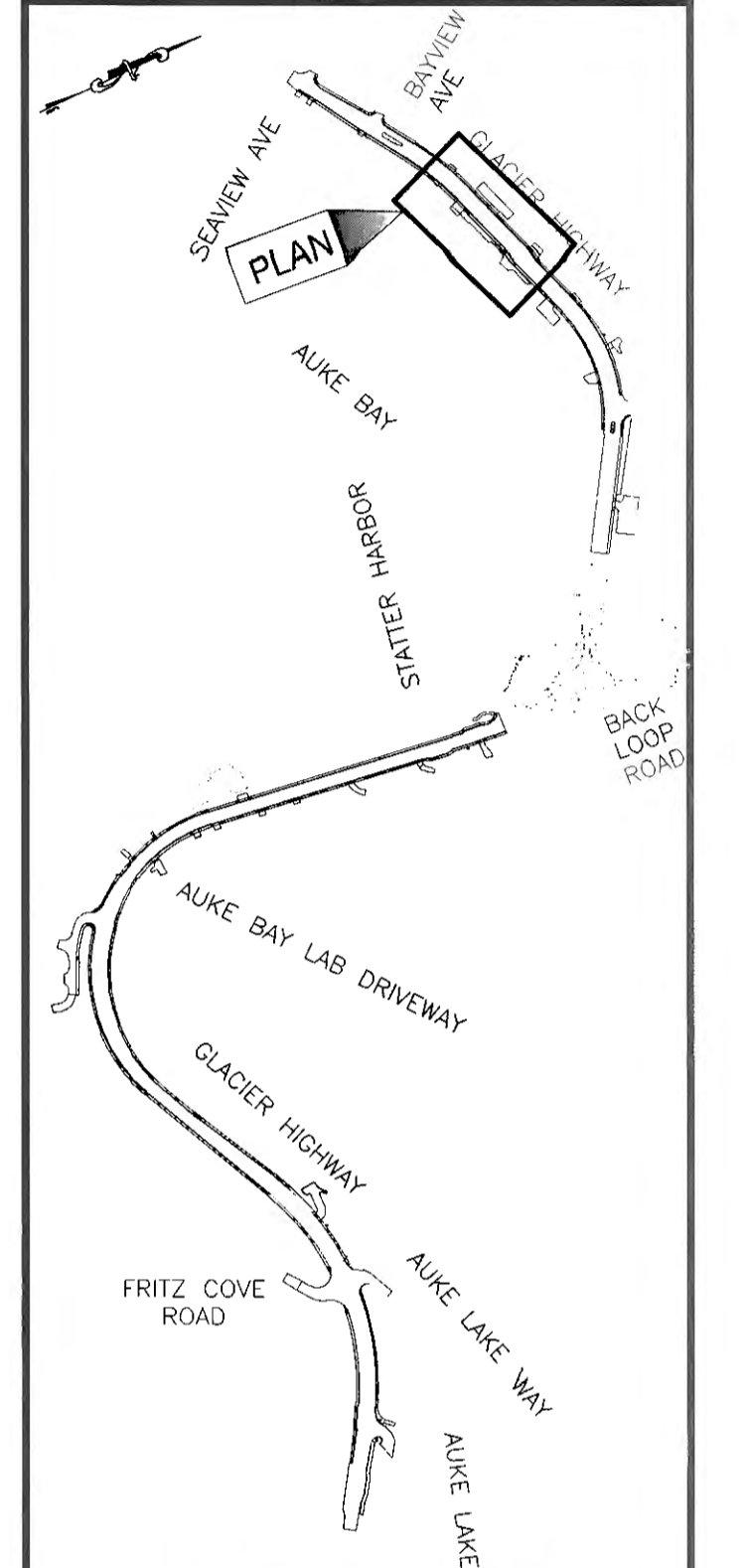
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
G4	145

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PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

TAB: G5		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK, C. HAKARI
DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE**

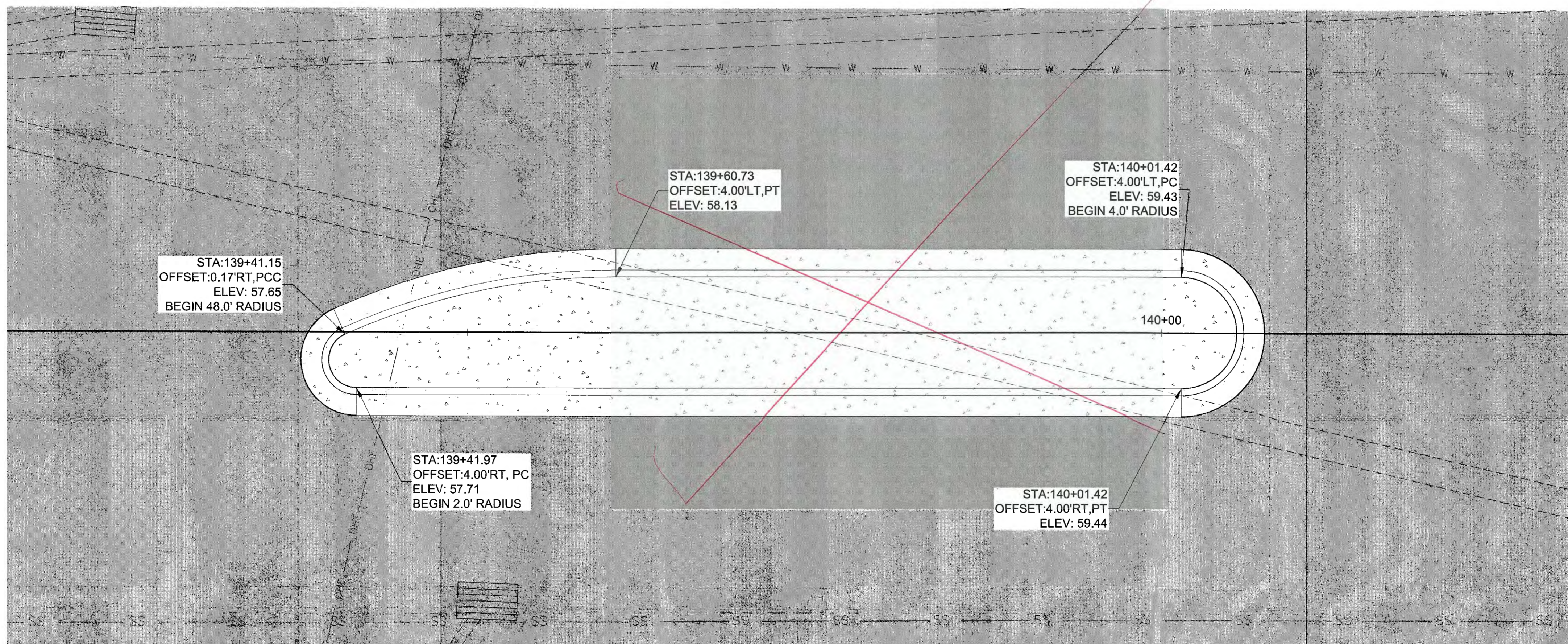
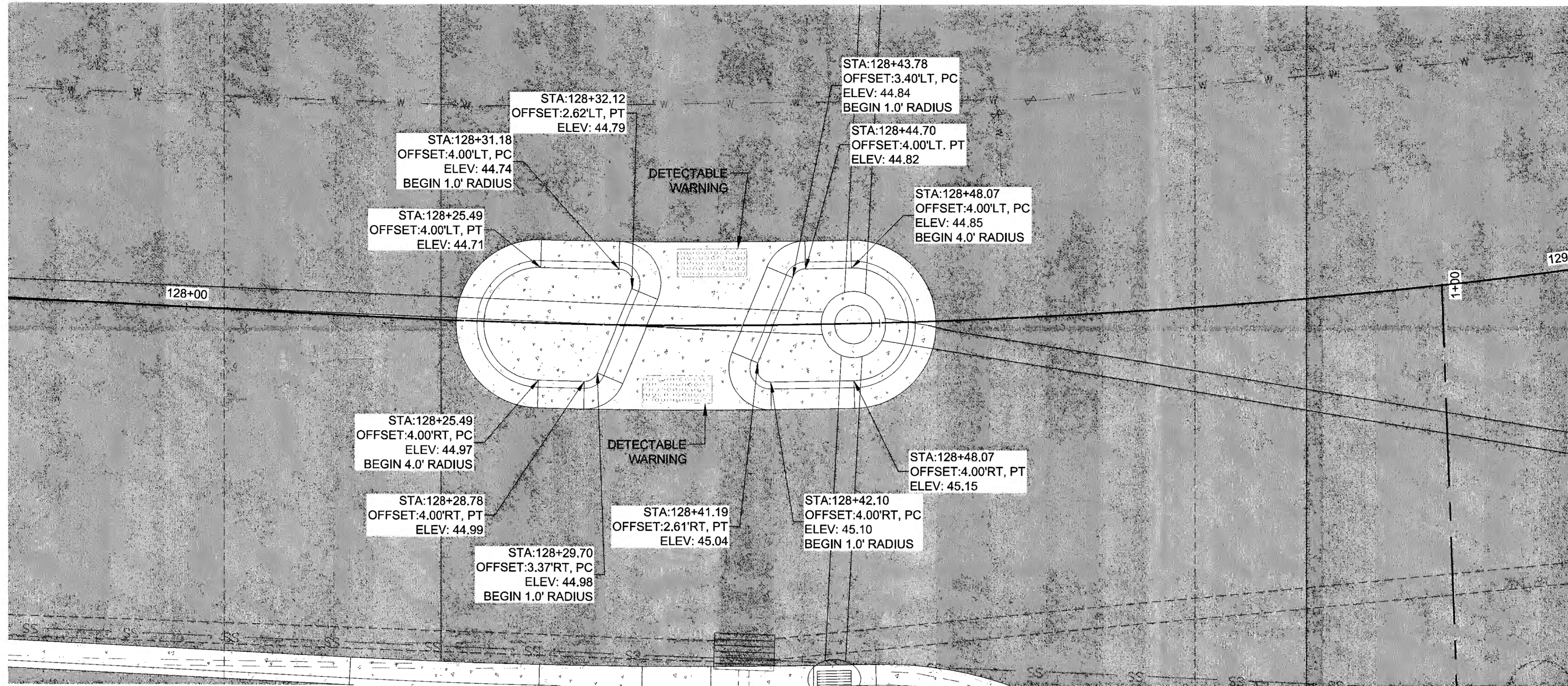
GRADING

PROJECT DESIGNATION

0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
G5	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE: TB Date: 1/6/2020



PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

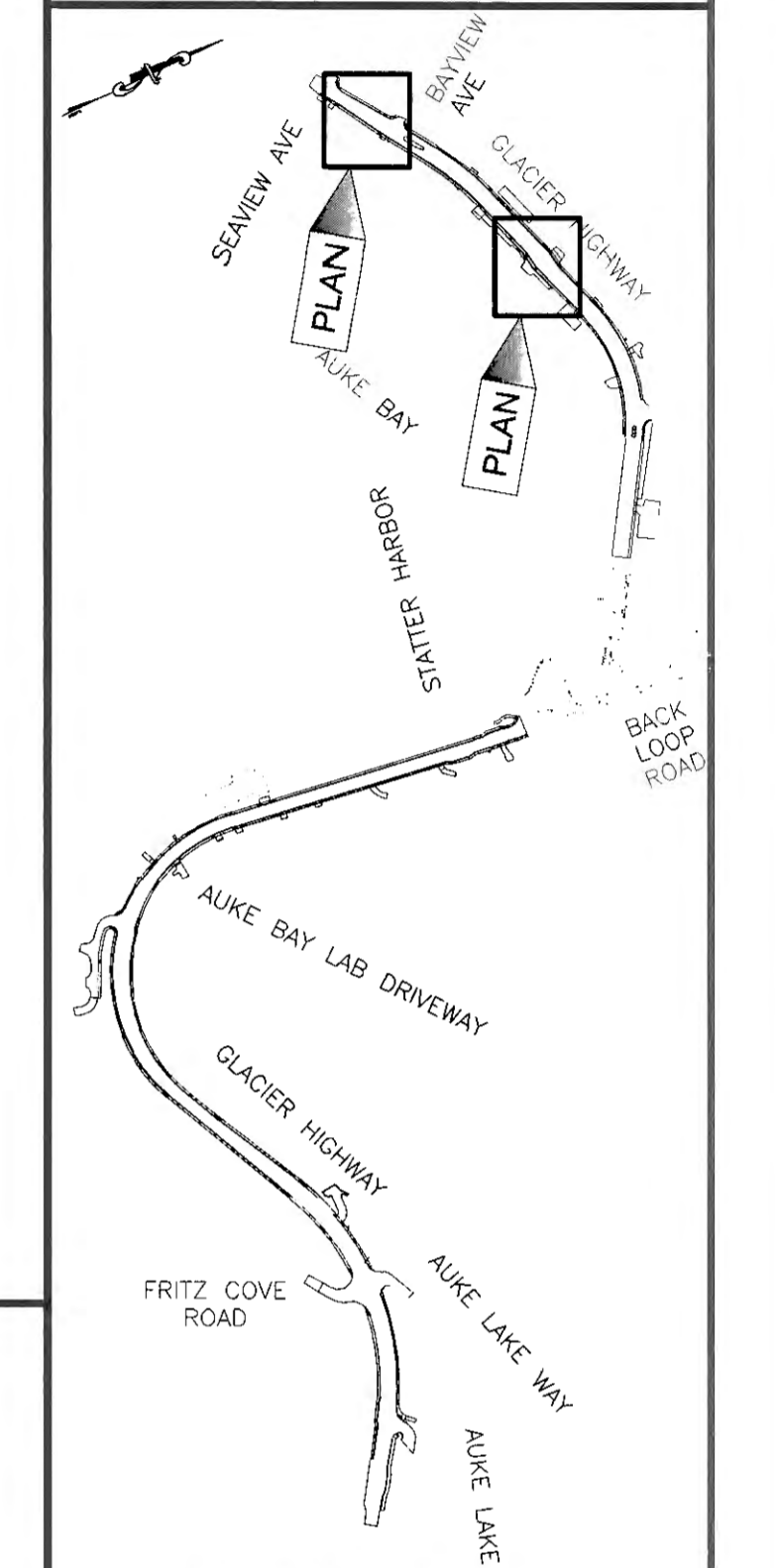
TAB: GRADING-G6 C.A. #126386

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK, C. HAKARI

DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE**

GRADING

PROJECT DESIGNATION

0933039/Z684710000

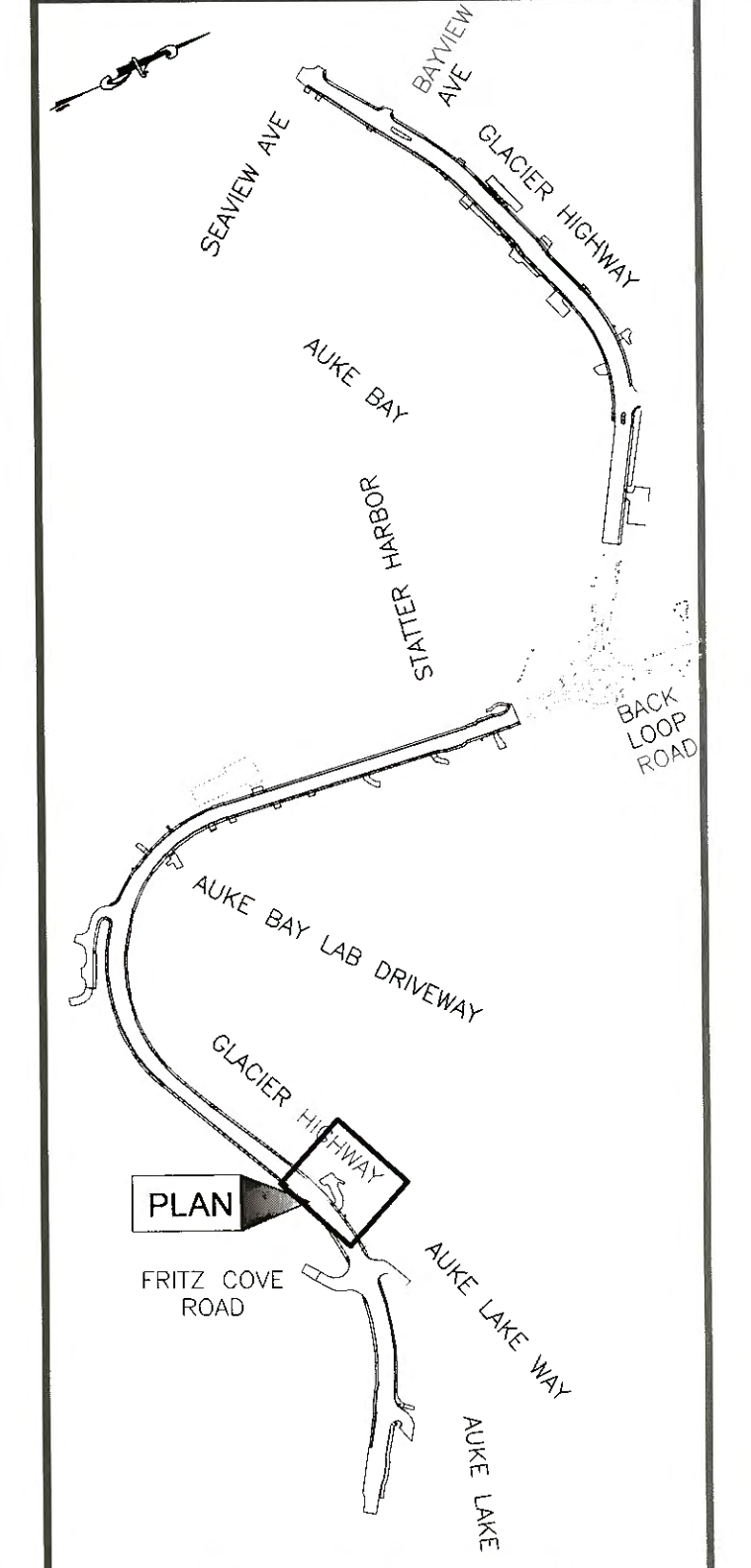
STATE YEAR
ALASKA 2016

SHEET NUMBER TOTAL SHEETS

G6 145

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE TB Date 1/6/2020

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND
 CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK, C. HAKARI
 DRAWN BY: B. PADDOCK, C. HAKARI

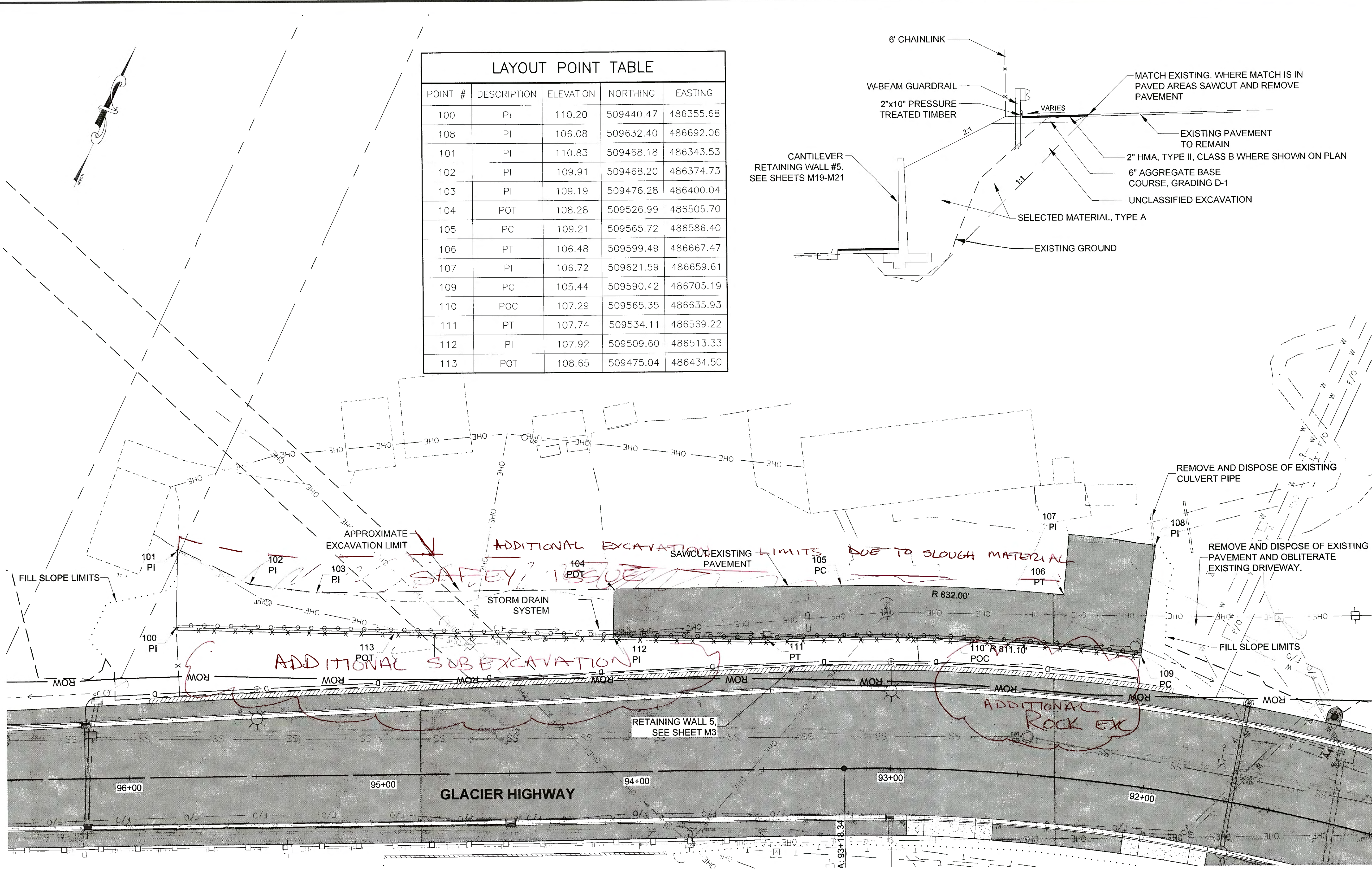
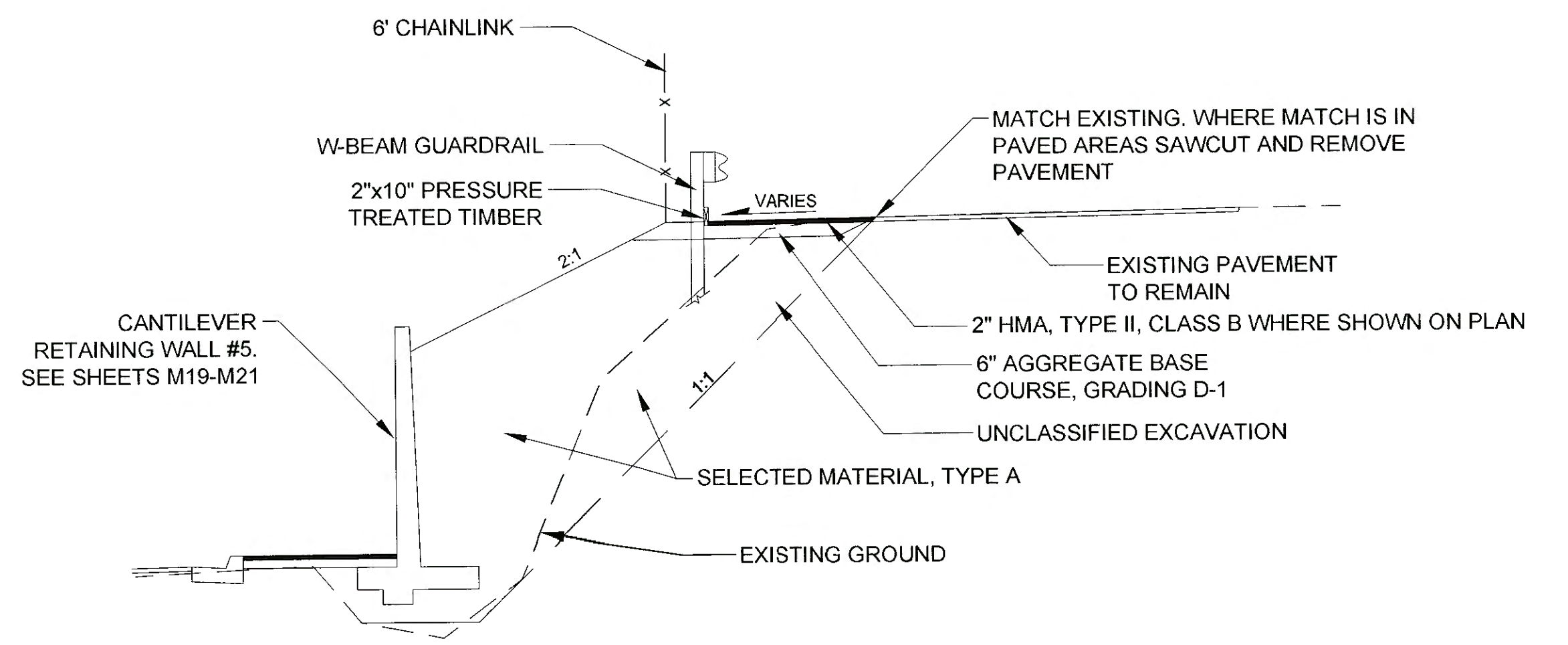
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION
 GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**UAS
 MAINTENANCE
 GRADING**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
G7	145

LAYOUT POINT TABLE				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
100	PI	110.20	509440.47	486355.68
108	PI	106.08	509632.40	486692.06
101	PI	110.83	509468.18	486343.53
102	PI	109.91	509468.20	486374.73
103	PI	109.19	509476.28	486400.04
104	POT	108.28	509526.99	486505.70
105	PC	109.21	509565.72	486586.40
106	PT	106.48	509599.49	486667.47
107	PI	106.72	509621.59	486659.61
109	PC	105.44	509590.42	486705.19
110	POC	107.29	509565.35	486635.93
111	PT	107.74	509534.11	486569.22
112	PI	107.92	509509.60	486513.33
113	POT	108.65	509475.04	486434.50

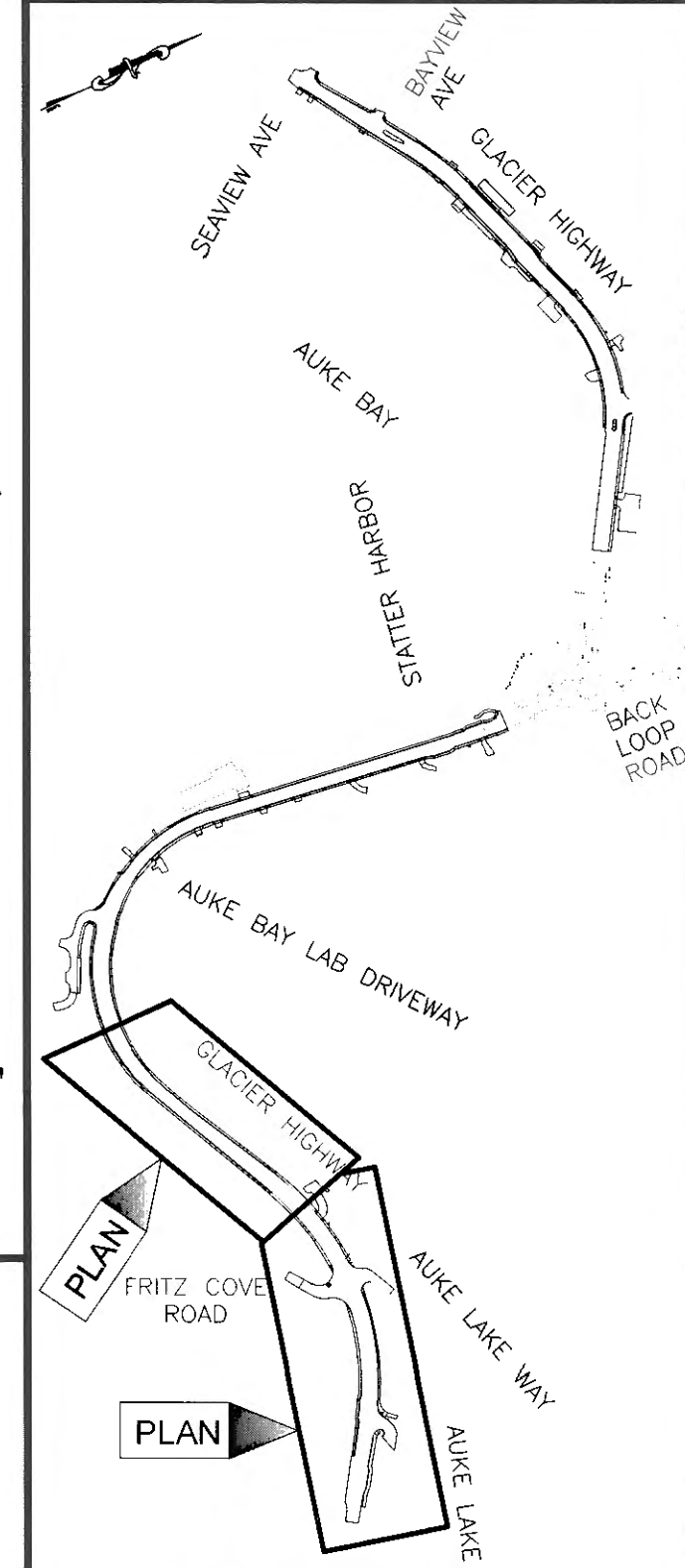


Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 TB Date 1/6/2016

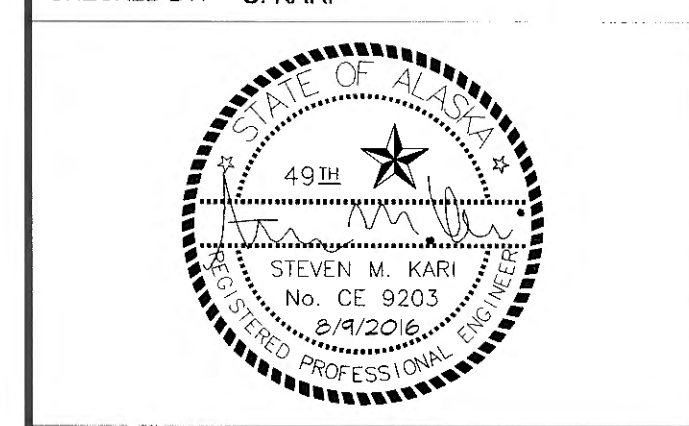
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: H1
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



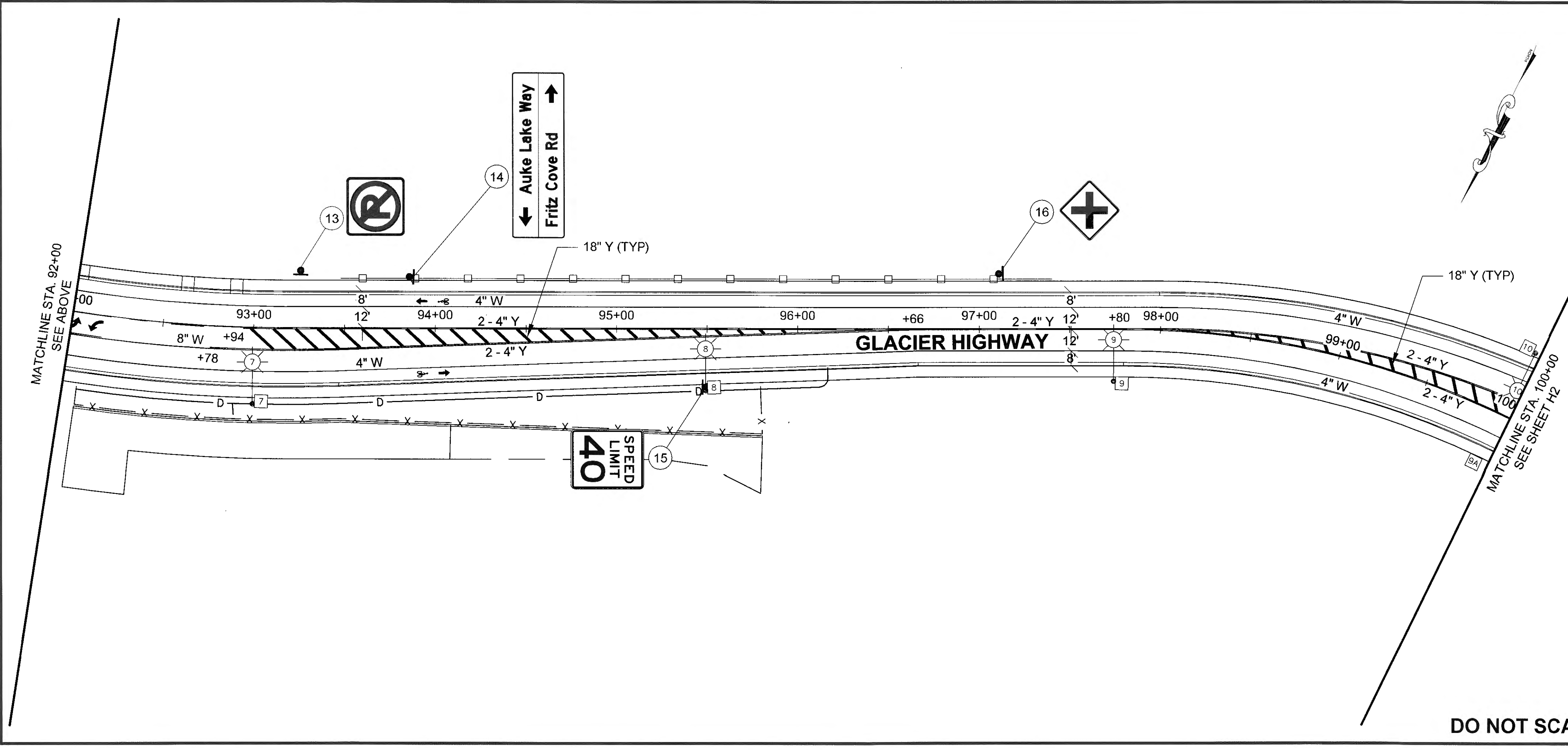
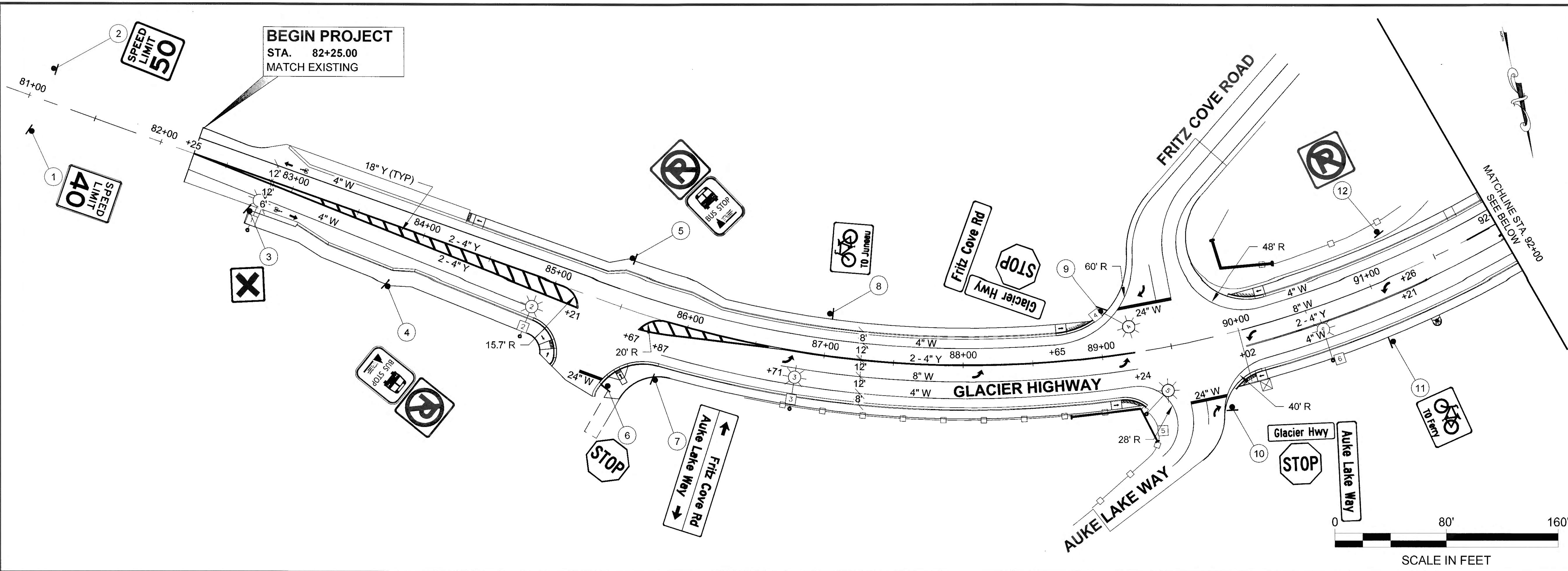
DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO, T. GALAMBUSH

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

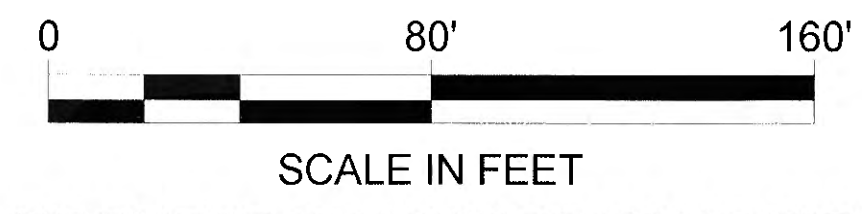
**SIGNING &
 STRIPING**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
H1	145



PAVEMENT MARKING NOTES:
 1. ALL PAVEMENT MARKINGS, INCLUDING PEDESTRIAN CROSSING AND SYMBOL MARKINGS SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE ALASKA TRAFFIC MANUAL.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/11/2017



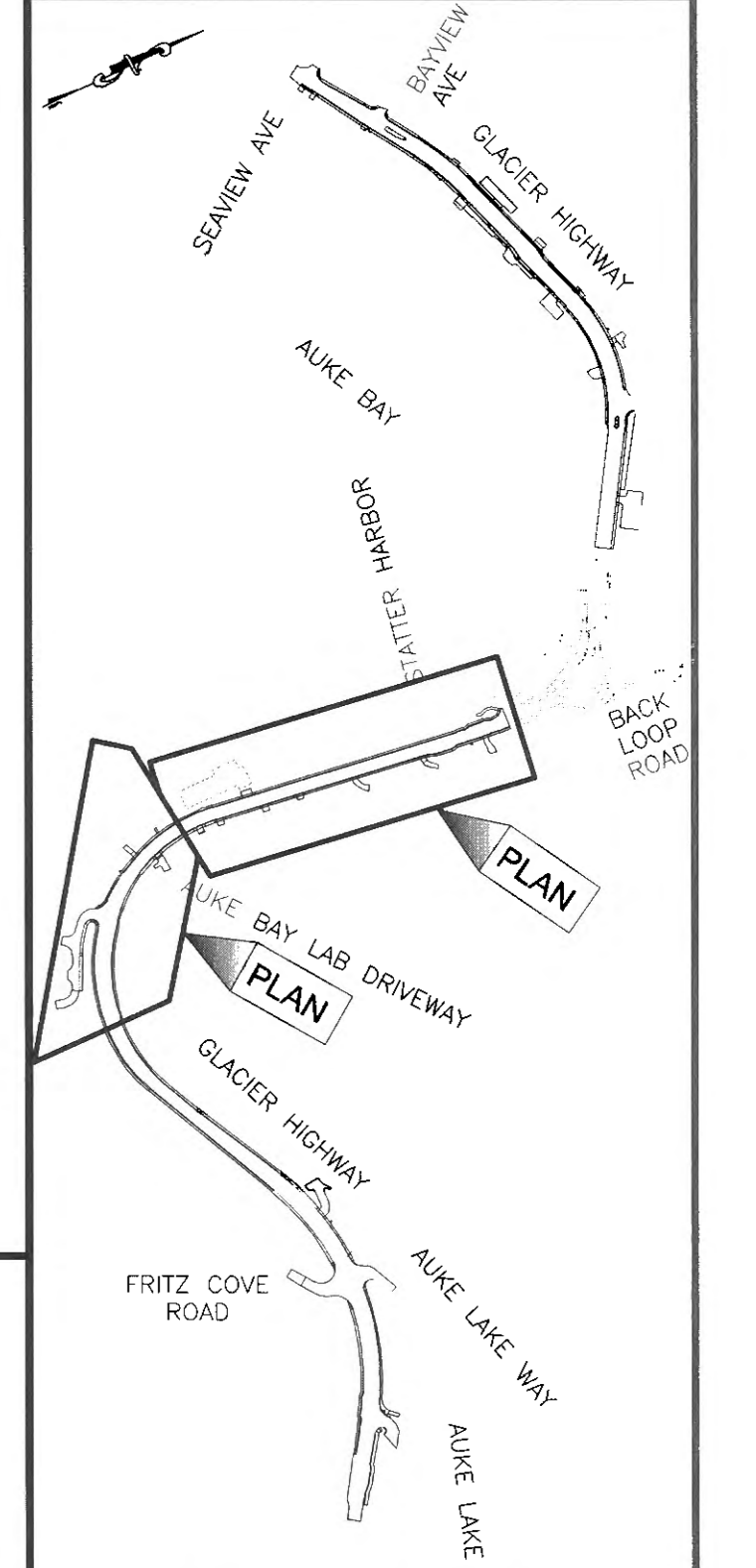
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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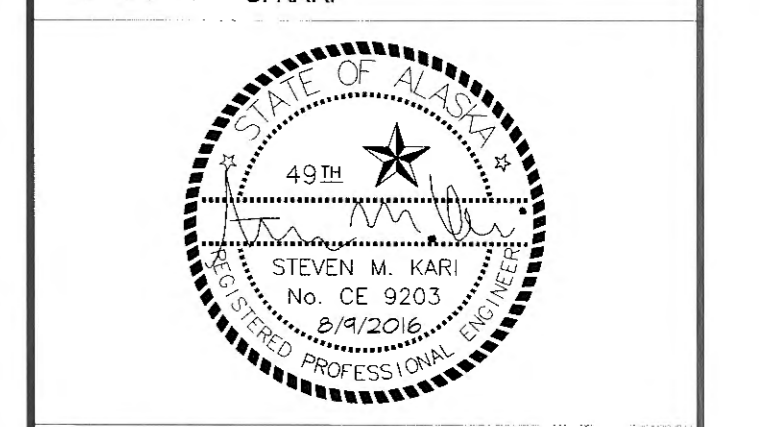
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: H2
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND
 CHECKED BY: S. KARI

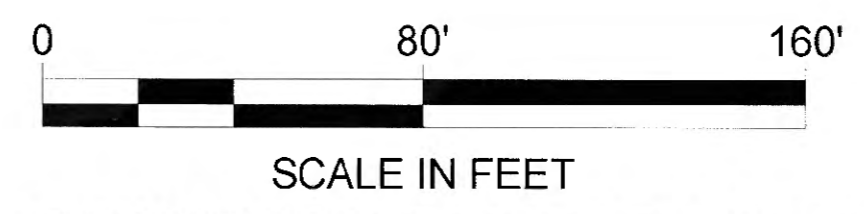
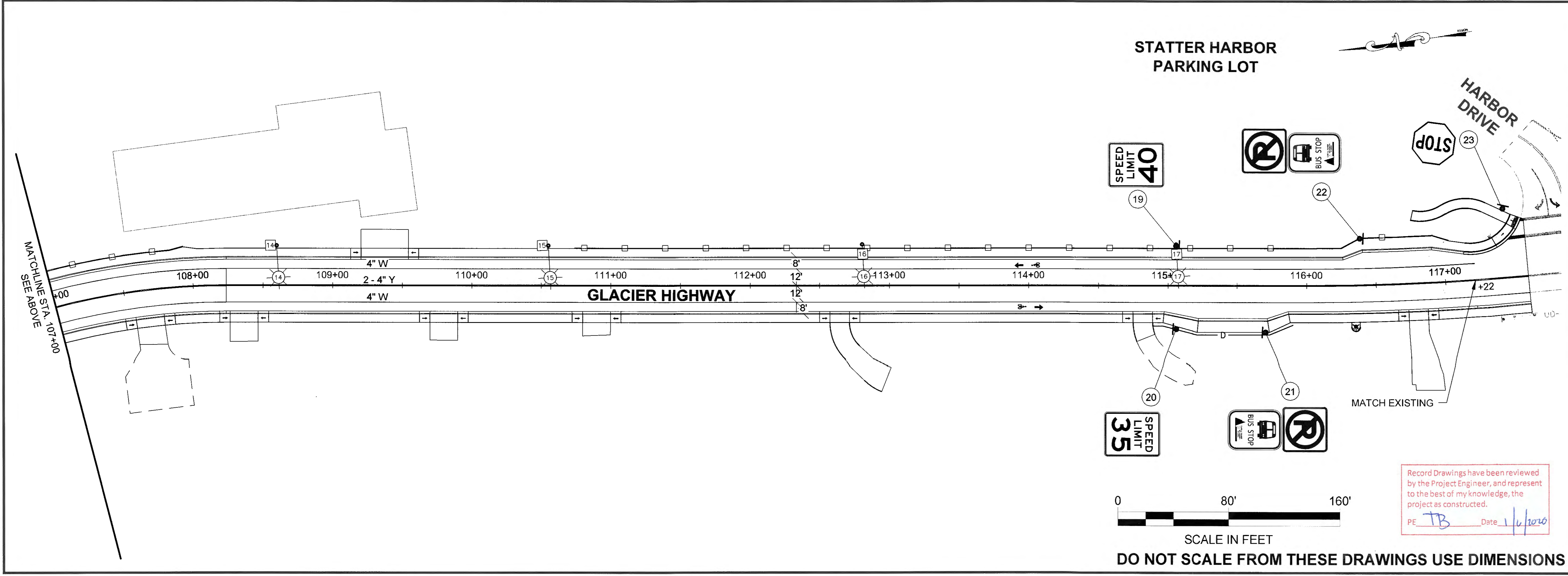
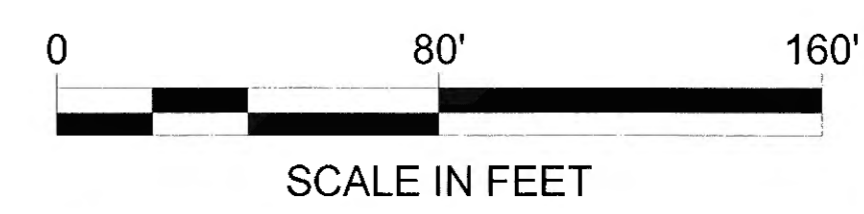
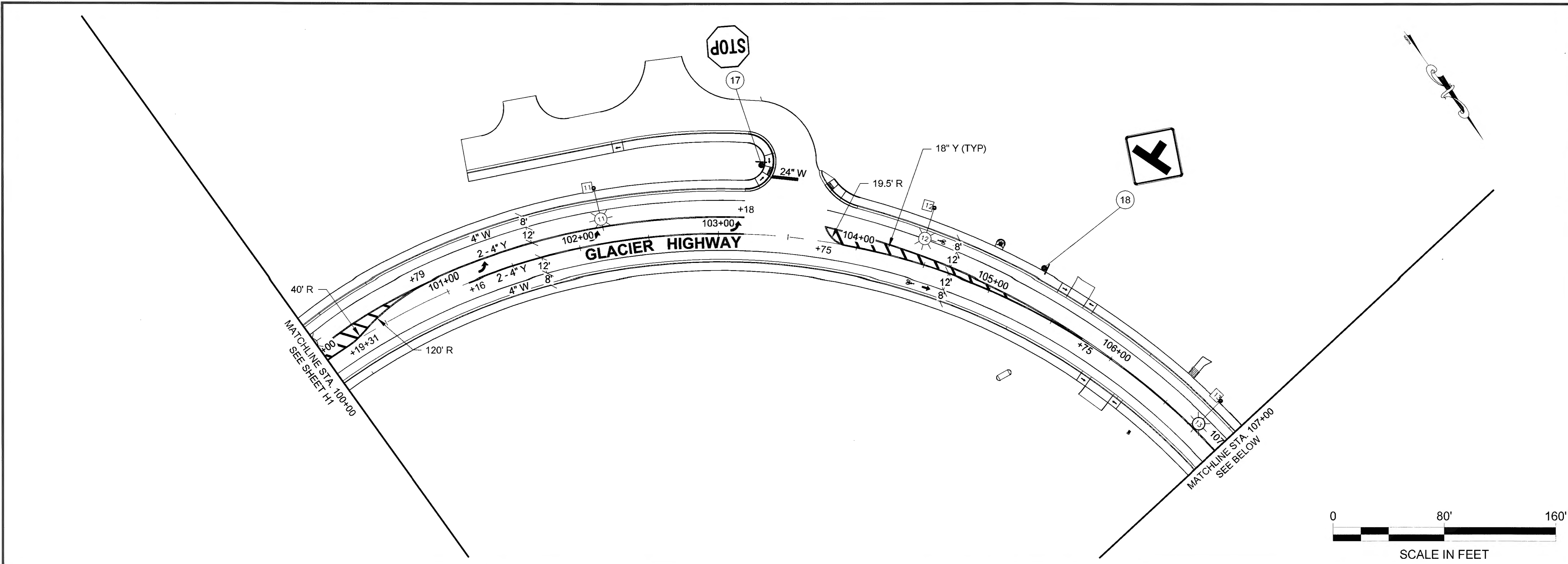


DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO, T. GALAMBUSH
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**SIGNING &
 STRIPING**
 PROJECT DESIGNATION

0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
H2	145



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE: TB Date 1/6/2020

PATH: U:\204700154\DWGS\CIS\BEEETS\1288400_H1-H3.DWG

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

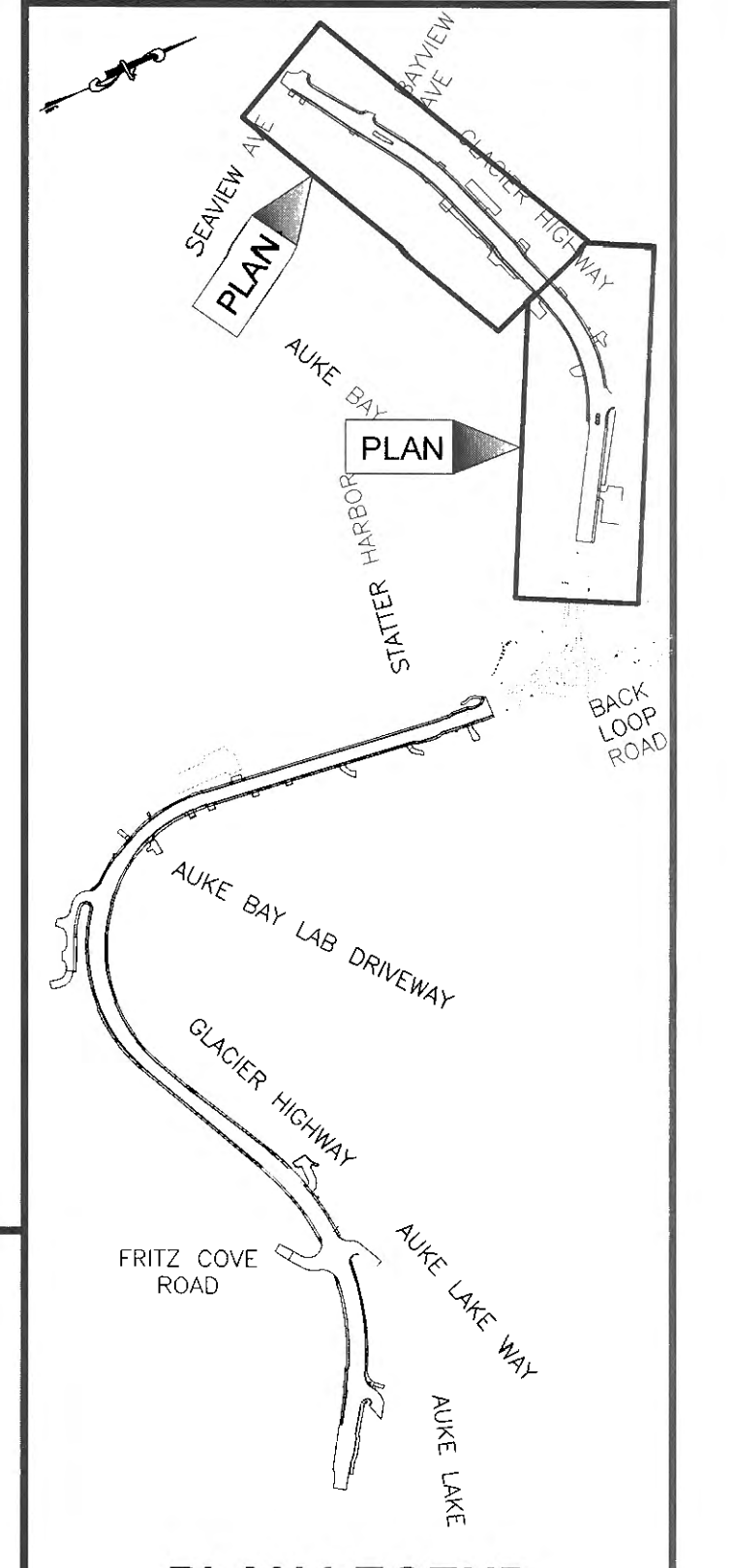
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ADDENDUM NUMBER

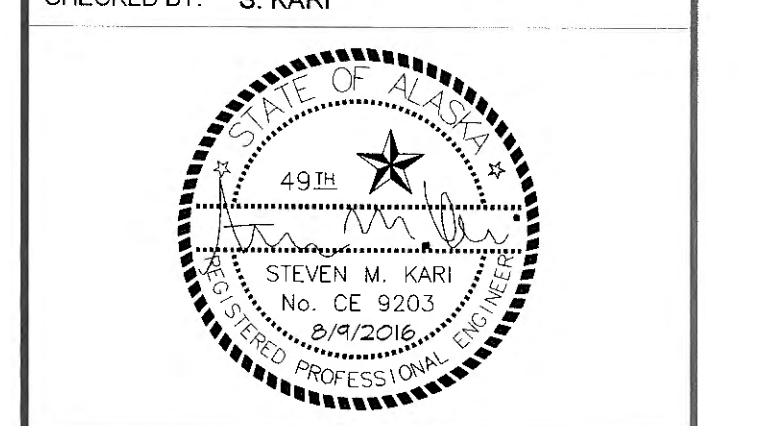
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO, T. GALAMBUSH

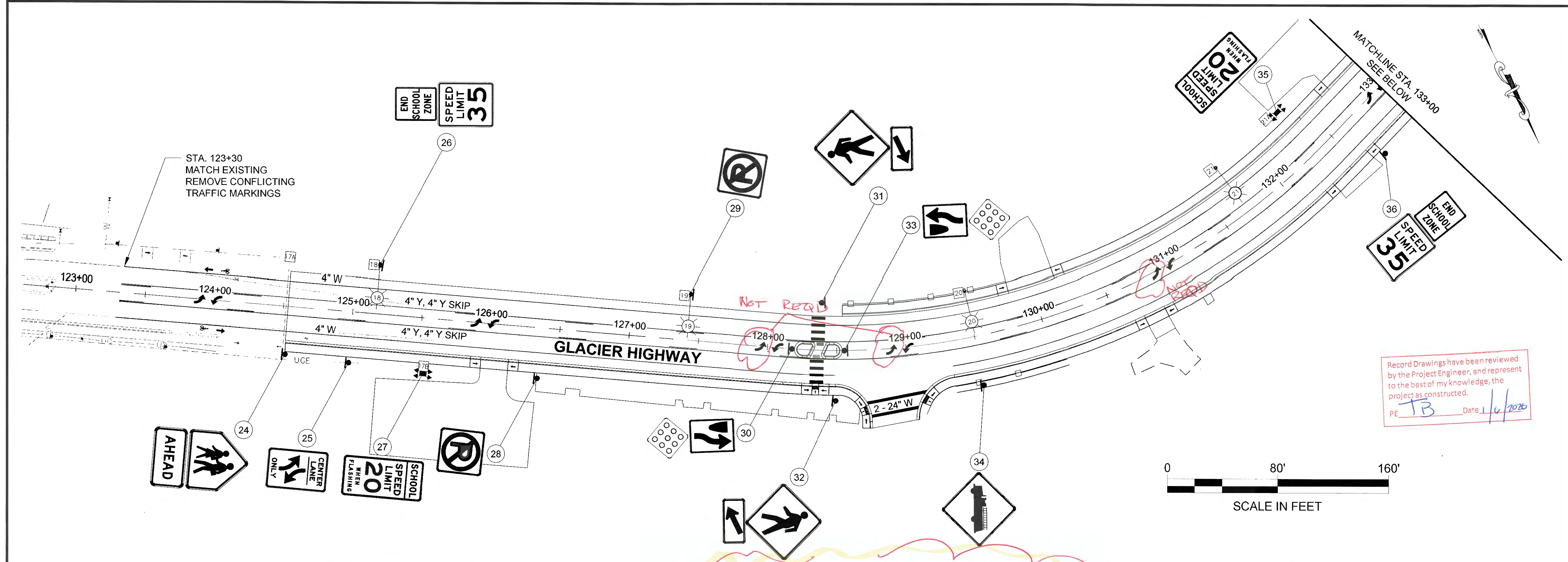
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

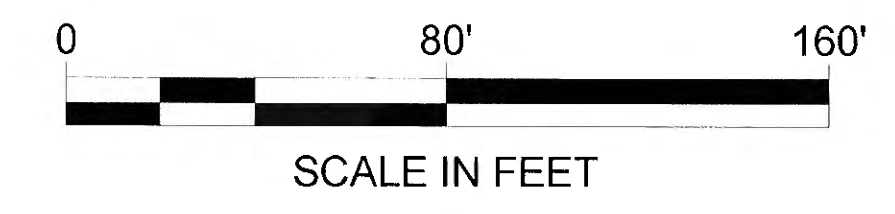
SIGNING & STRIPING

PROJECT DESIGNATION
0933039/Z684710000

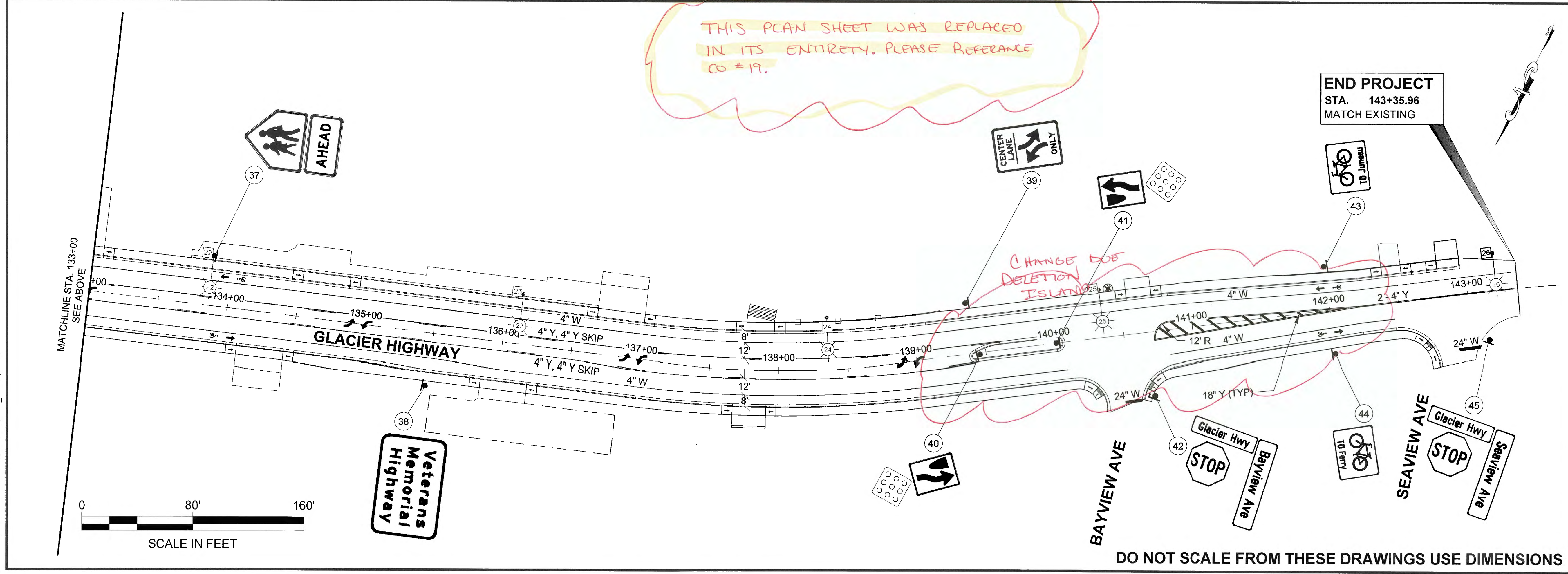
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
H3	145



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *TJB* Date *1/4/2020*

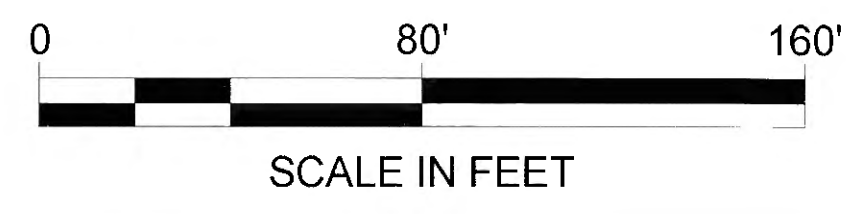


THIS PLAN SHEET WAS REPLACED IN ITS ENTIRETY. PLEASE REFERENCE CO #19.



END PROJECT
 STA. 143+35.96
 MATCH EXISTING

CHANGE OF DELETION ISLAND



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\304700154\DWGS\IC\SHEETS\1288400_H1-H3.DWG

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: H5

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

615(1) STANDARD SIGN SUMMARY

SIGN POST NO.	STATION	OFFSET		Code No. ASDS	Legend	SIZE (INCHES)		AREA SQ. FT	SIGN FACES	POST TYPE	REMARKS
		LT	RT			W	H				
39	139+40	X		R3-9B	CENTER LANE ONLY	30	36	7.5	W	2 1/2" PST	
40	139+46	X		R4-7	STAY RIGHT SYMBOL	24	30	5.0	E	2 1/2" PST	
				OM1-1	WARNING SIGN	18	18	2.3			MOUNT BELOW R4-7 SIGN
41	140+01		X	R4-7	STAY RIGHT SYMBOL	24	30	5.0	W	2 1/2" PST	
				OM1-1	WARNING SIGN	18	18	2.3			MOUNT BELOW R4-7 SIGN
42	140+67		X	D3-1	Glacier Hwy	36	8	2.0	N	2 1/2" PST	
				D3-1	Bayview Ave	42	12	7.0			MOUNT TWO SIGNS BACK TO BACK, MOUNT BELOW GLACIER HWY SIGN. USE B-FONT, 6" UC/4.5 LC
				R1-1	STOP SIGN	30	30	6.3			
43	142+00	X		D11-1C	BIKE SYMBOL + TO Juneau BELOW	30	24	5.0	W	2 1/2" PST	
44	142+00		X	D11-1C	BIKE SYMBOL + TO Ferry BELOW	30	24	5.0	E	2 1/2" PST	
45	143+12		X	D3-1	Glacier Hwy	36	8	2.0	N	2 1/2" PST	
				D3-1	Seaview Ave	42	12	7.0			MOUNT TWO SIGNS BACK TO BACK, MOUNT BELOW GLACIER HWY SIGN. USE B-FONT, 6" UC/4.5 LC
				R1-1	STOP SIGN	30	30	6.3			
46				D3-1	U.A.S.	24	12	2.0	S		MOUNT BELOW EXISTING MENDENHALL LOOP RD. ON THE NORTHBOUND LEG OF THE ROUNDABOUT
TOTAL SIGN AREA:								453 SF			

PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: L. GALBRAITH

DRAWN BY: M. HIDALGO, T. GALAMBUSH

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

SIGN SUMMARY

PROJECT DESIGNATION

0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
H5	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2018

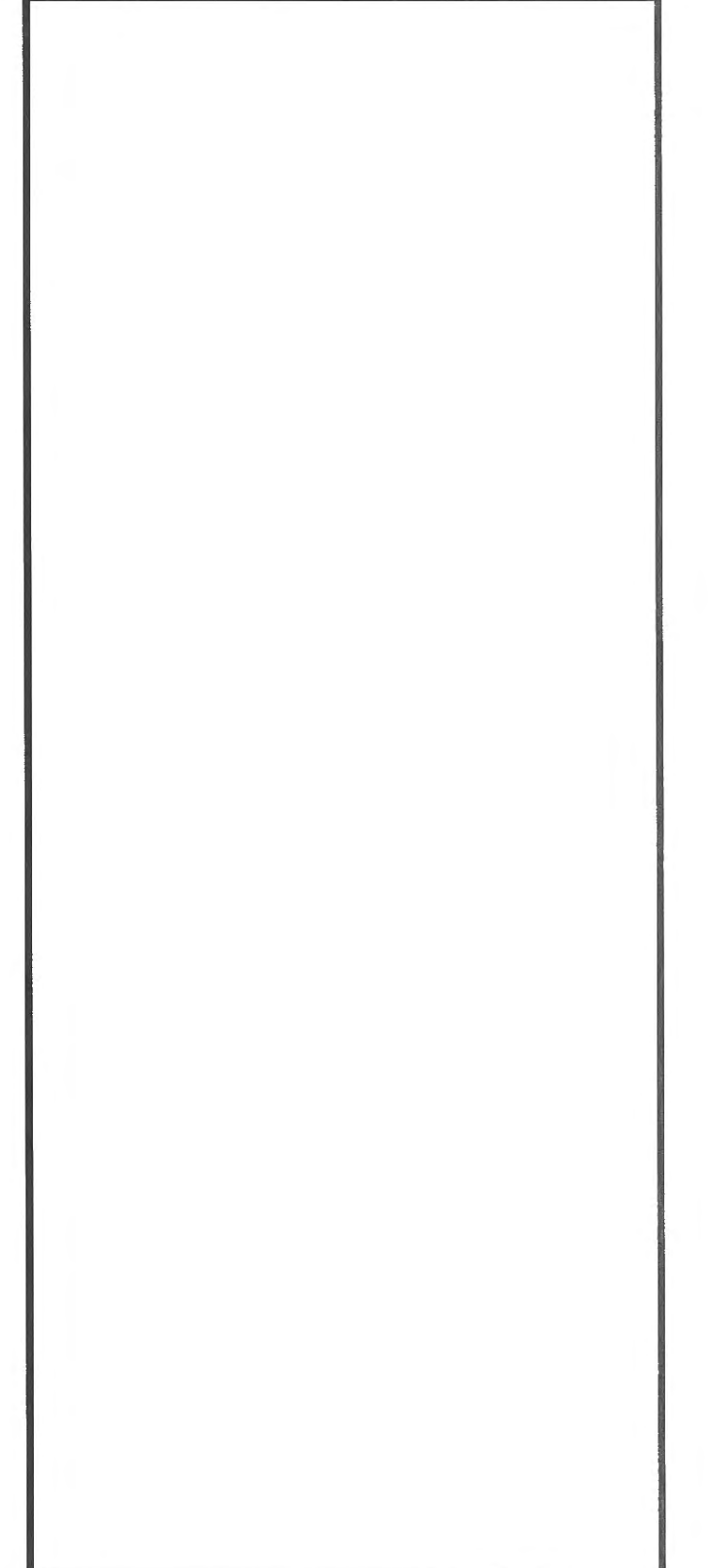
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: H6
 ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI

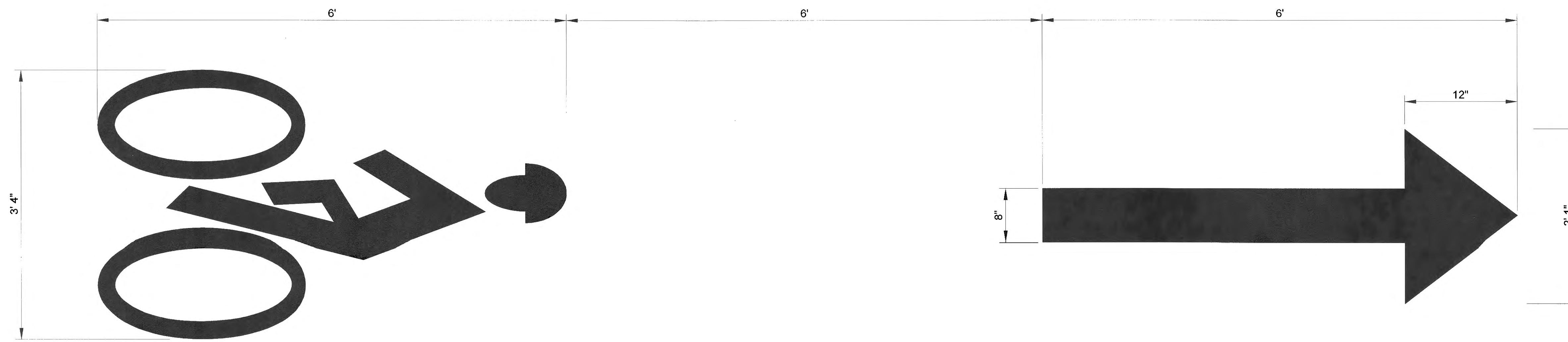


DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO, T. GALAMBUSH

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION
 GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**SIGNING & STRIPING
 DETAILS**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
H6	145



BIKE LANE STANDARD STENCIL (WHITE)

CENTER MARKING WITHIN LANE WIDTH
 NTS

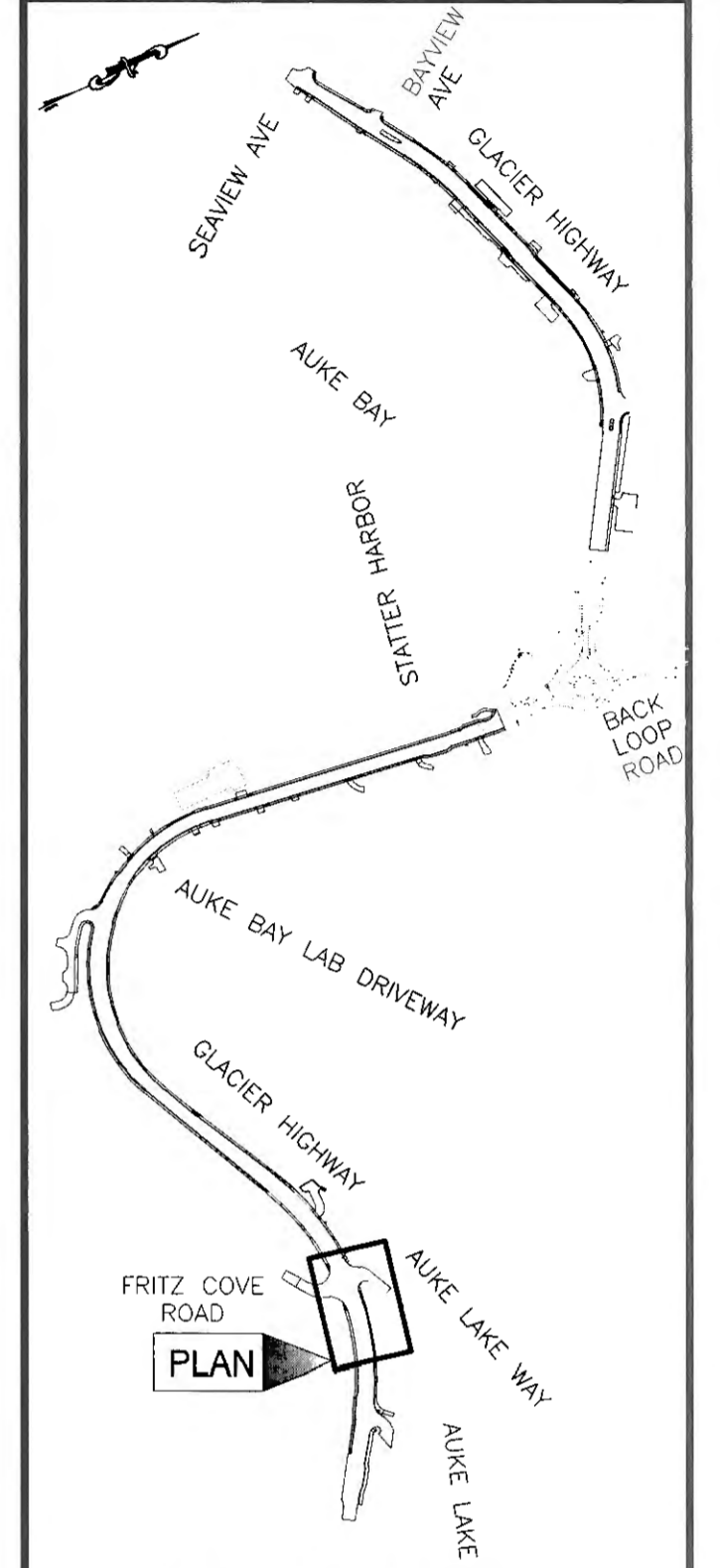
Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE *TB* Date *1/1/2016*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

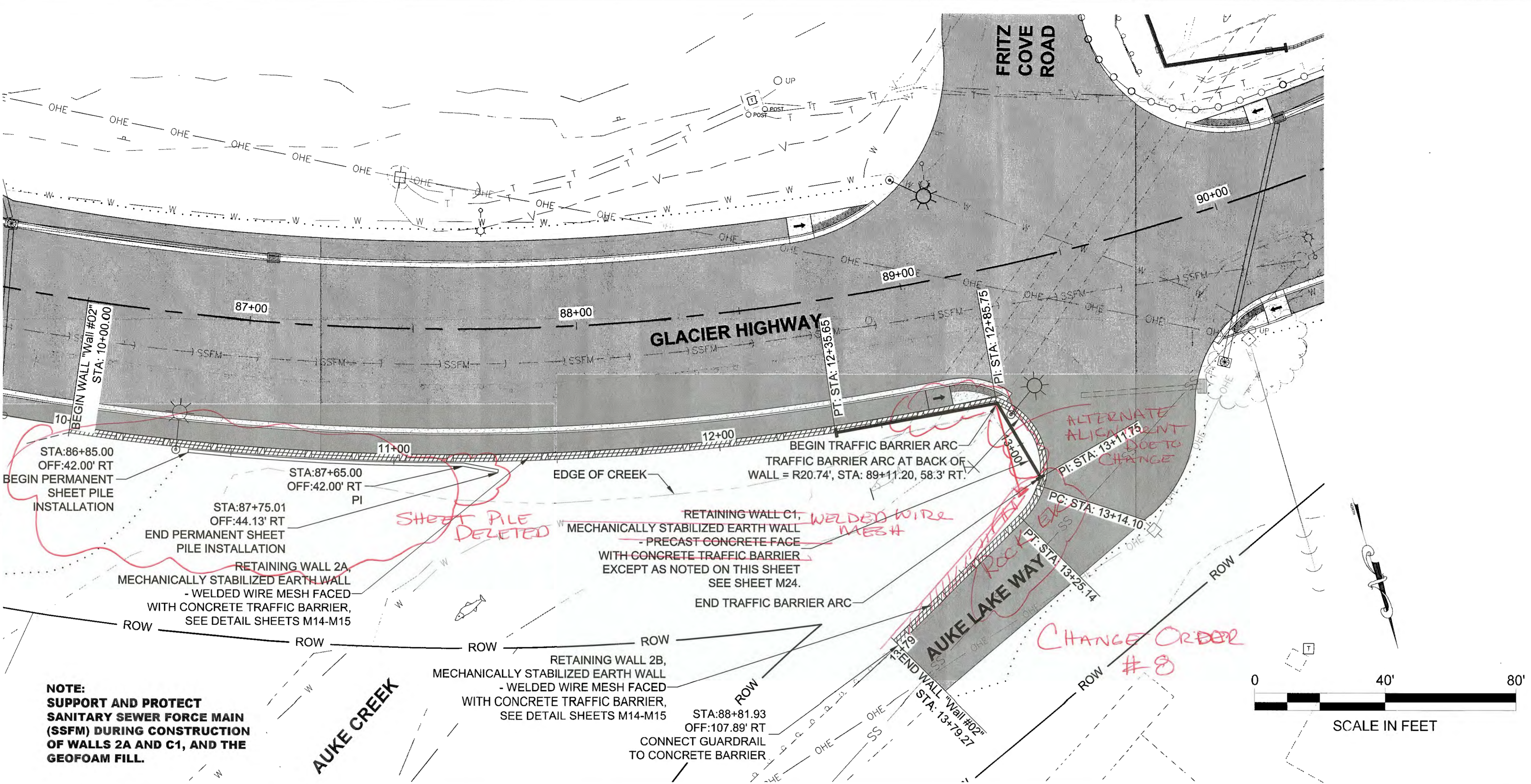
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB M1
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

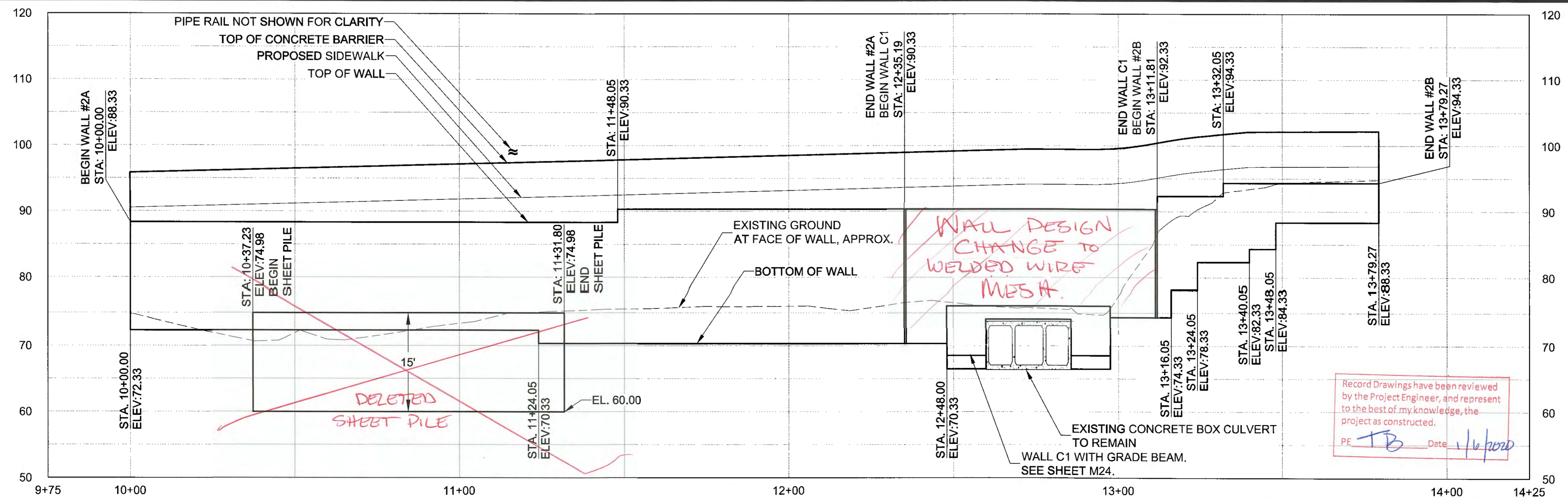
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	12/12/16	MODIFIED NOTES 1 & 3



- NOTES:**
1. THE WALL #02 ALIGNMENT IS THE LAYOUT FOR WALLS #2A AND #2B. SEE SHEET A8. SEE SHEETS M23 AND M27 FOR LAYOUT OF WALL C1.
 2. THE PROFILE MATCH STATIONS SHOWN BETWEEN WALL #2A & WALL C1, AND WALL C1 AND WALL #2B ARE APPROXIMATE. THE ACTUAL MATCH POINTS WILL BE DETERMINED AFTER WALL C1 HAS BEEN CONSTRUCTED.
 3. THE TRAFFIC BARRIER DEPARTS FROM WALL C1 AT WALL #02 STA. 12+85.75, AND FOLLOWS AN ARC TO WALL #02 STA. 13+11.75 WHERE IT IS BROUGHT BACK ON LINE. SEE THIS SHEET FOR THE ARC LAYOUT, AND SHEET M24 FOR BARRIER DETAIL.



NOTE:
 SUPPORT AND PROTECT SANITARY SEWER FORCE MAIN (SSF) DURING CONSTRUCTION OF WALLS 2A AND C1, AND THE GEOFOAM FILL.



RETAINING WALL 2

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK, C. HAKARI
 DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

RETAINING WALL PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

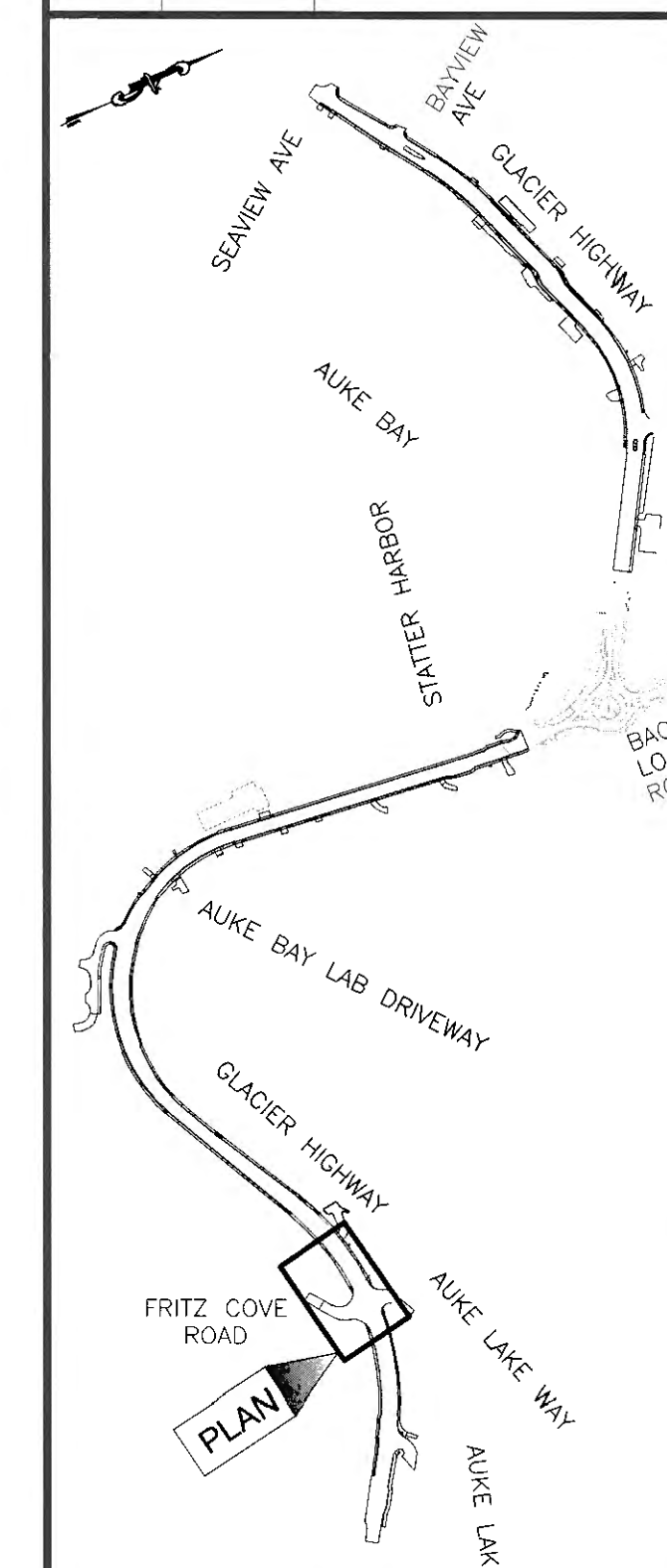
STATE ALASKA YEAR 2016

SHEET NUMBER M1 TOTAL SHEETS 145

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: M2
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	12/12/16	MODIFIED LABEL



PLAN LEGEND

CHECKED BY: S. KARI



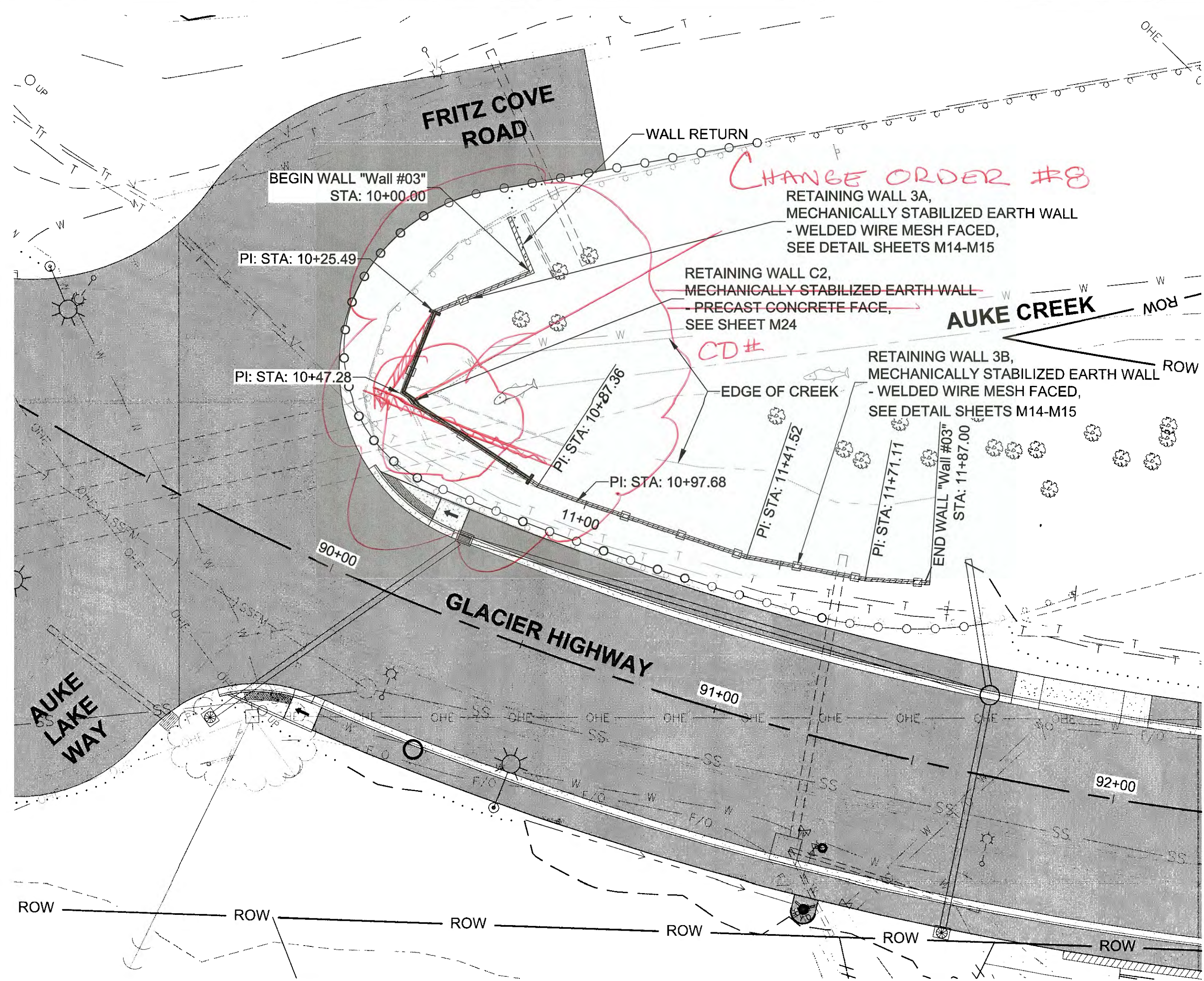
DESIGNED BY: B. PADDOCK, C. HAKARI
 DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

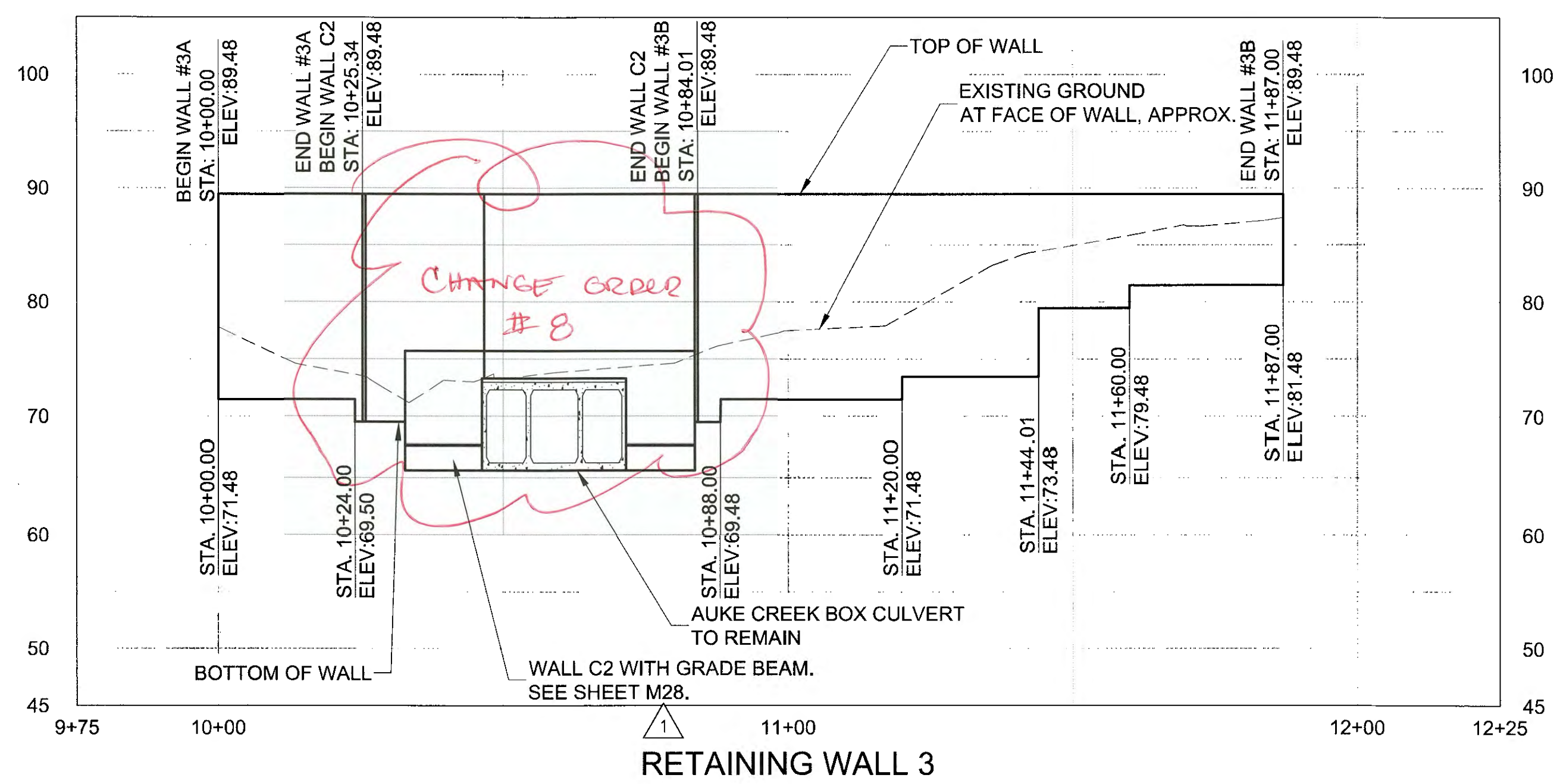
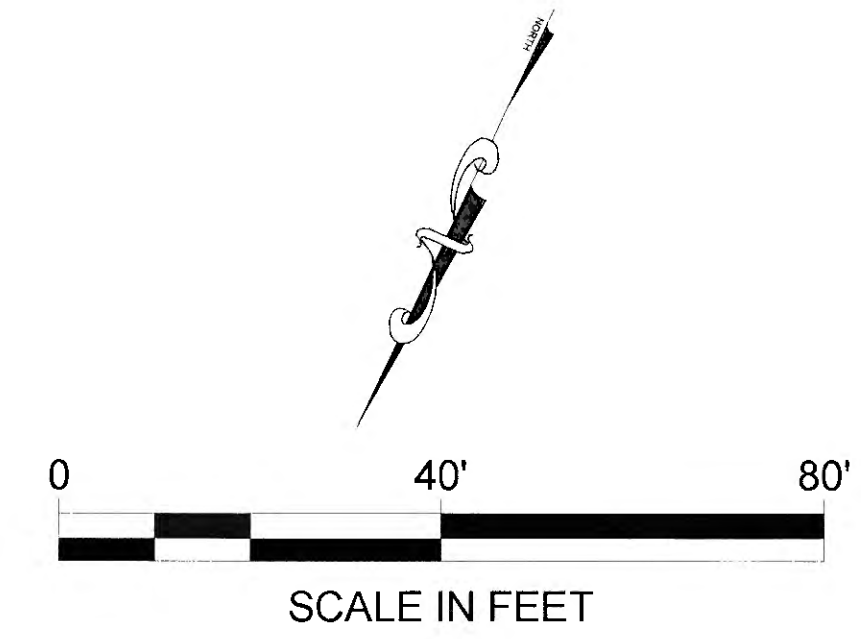
GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**RETAINING WALL
 PLAN & PROFILE**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M2	145



- NOTES:**
1. THE WALL #03 ALIGNMENT IS THE LAYOUT FOR WALLS #3A AND #3B. SEE SHEET A8. SEE SHEETS M23 AND M24 FOR LAYOUT OF WALL C2.
 2. THE PROFILE MATCH STATIONS SHOWN BETWEEN WALL #3A & WALL C2, AND WALL C2 AND WALL #3B ARE APPROXIMATE. THE ACTUAL MATCH POINTS WILL BE DETERMINED AFTER WALL C2 HAS BEEN CONSTRUCTED.

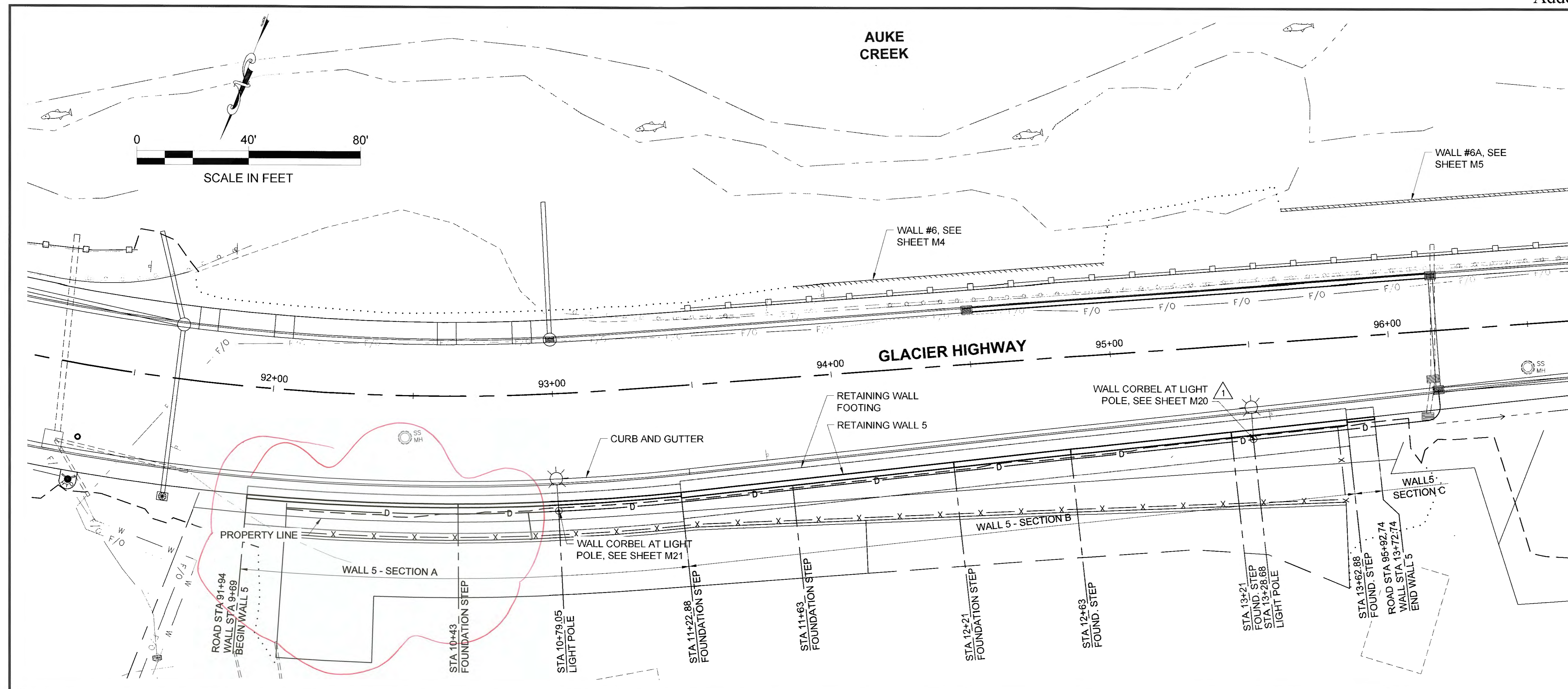


RETAINING WALL 3

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

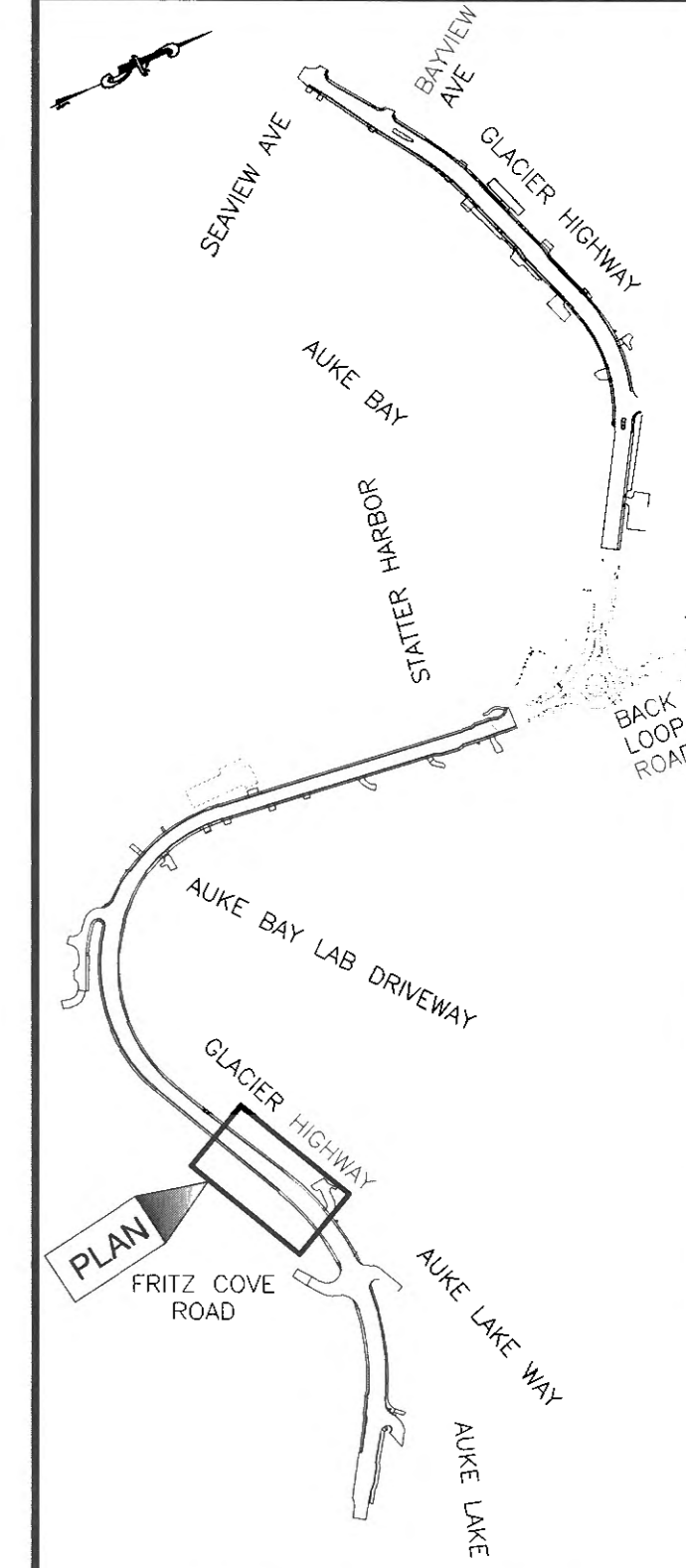
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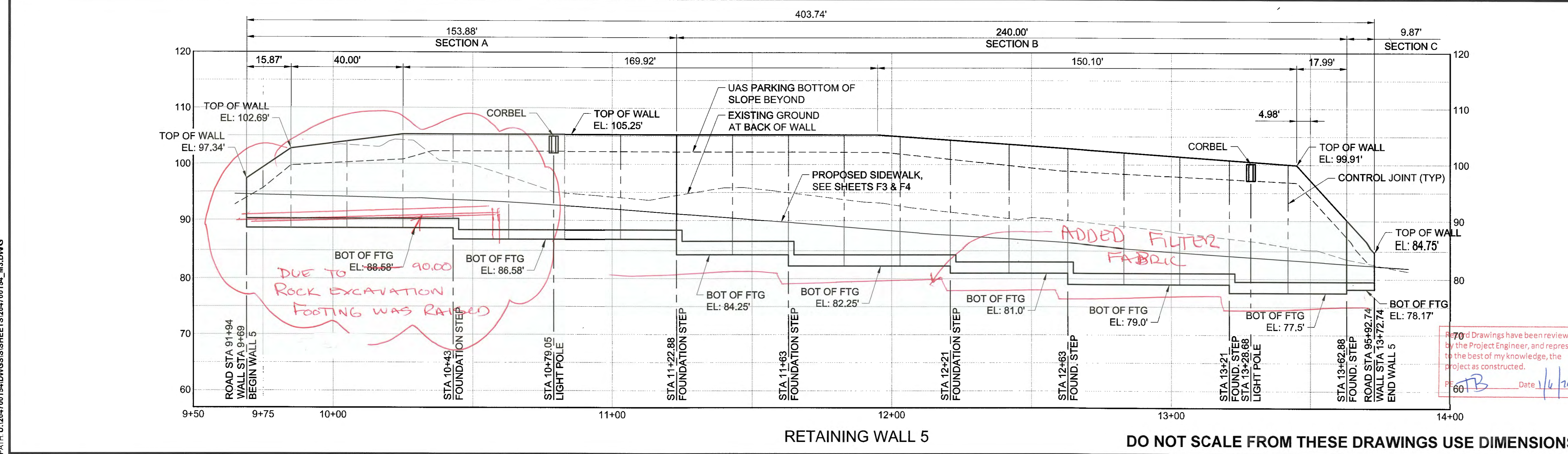
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: M3

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	12/12/16	MODIFIED LABEL



PLAN LEGEND



CHECKED BY: S. KARI

DESIGNED BY: R. KORUNA
 DRAWN BY: D. REESE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**RETAINING WALL
 PLAN AND PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

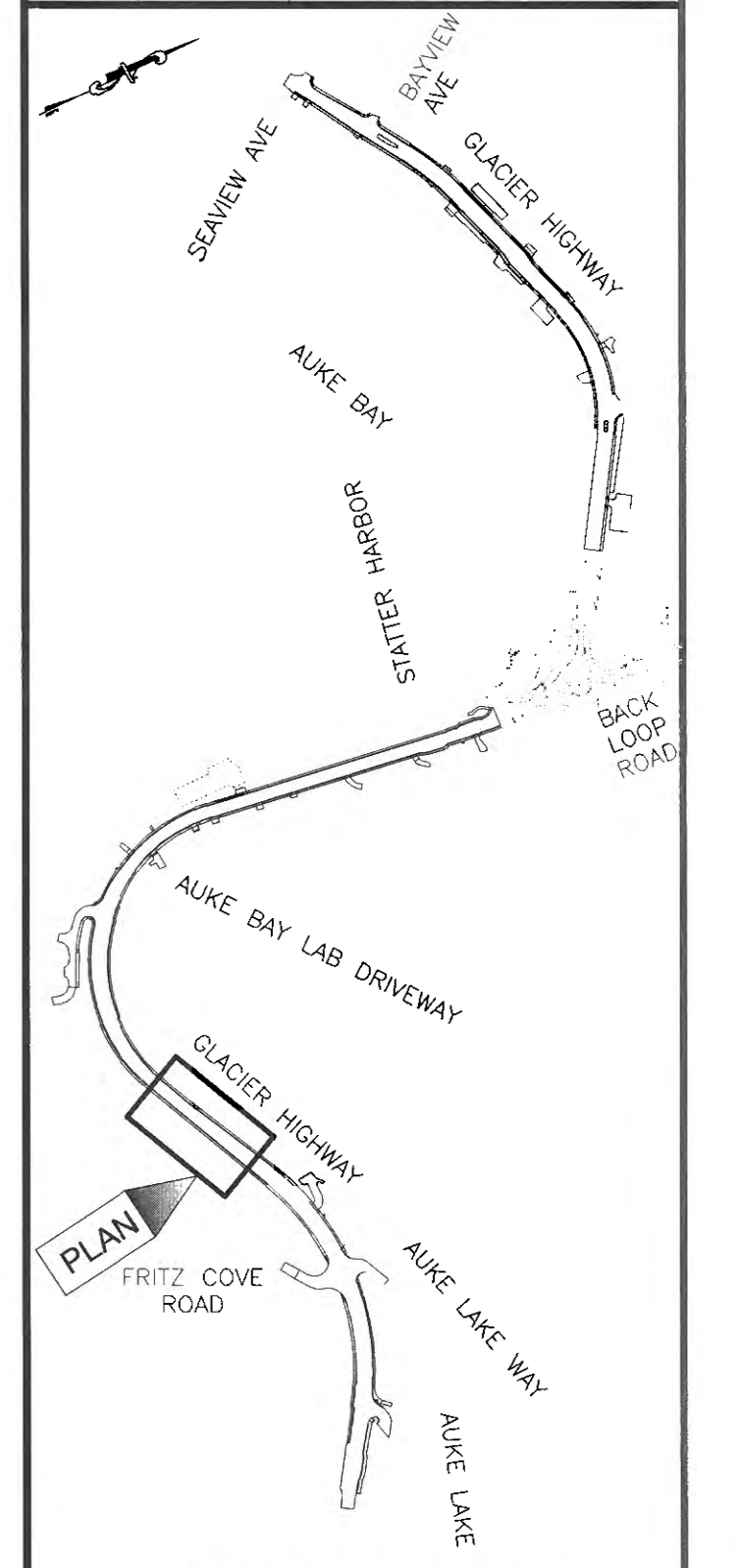
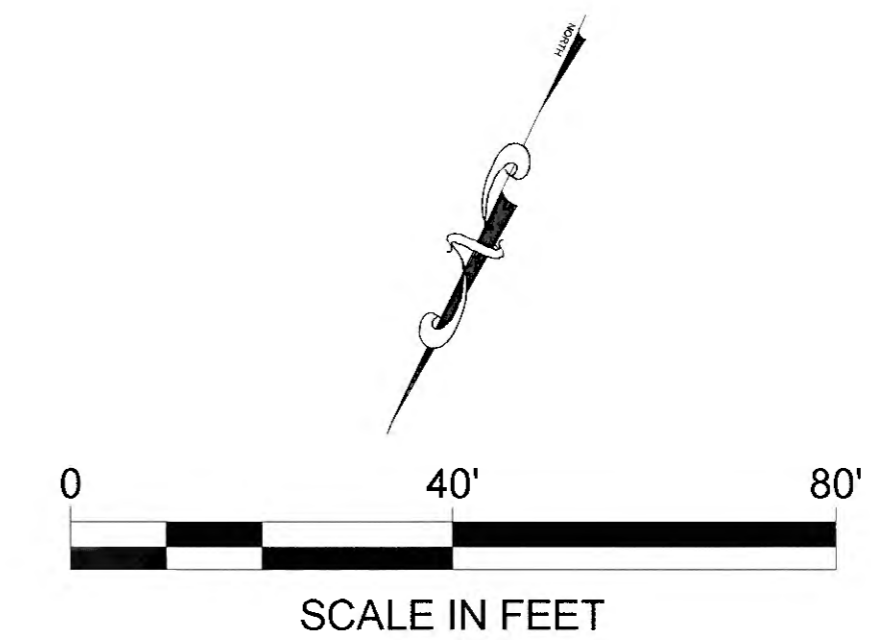
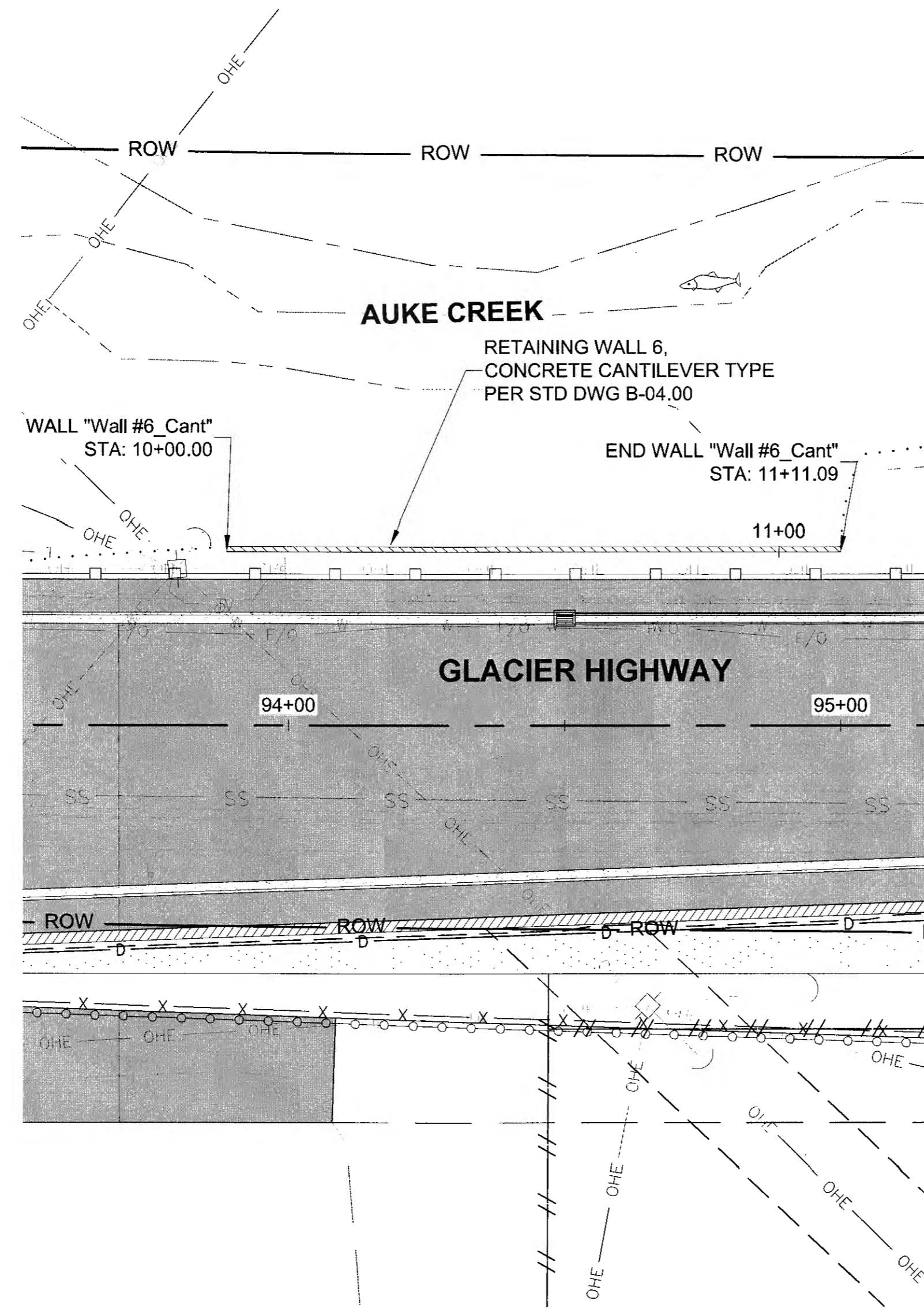
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M3	145

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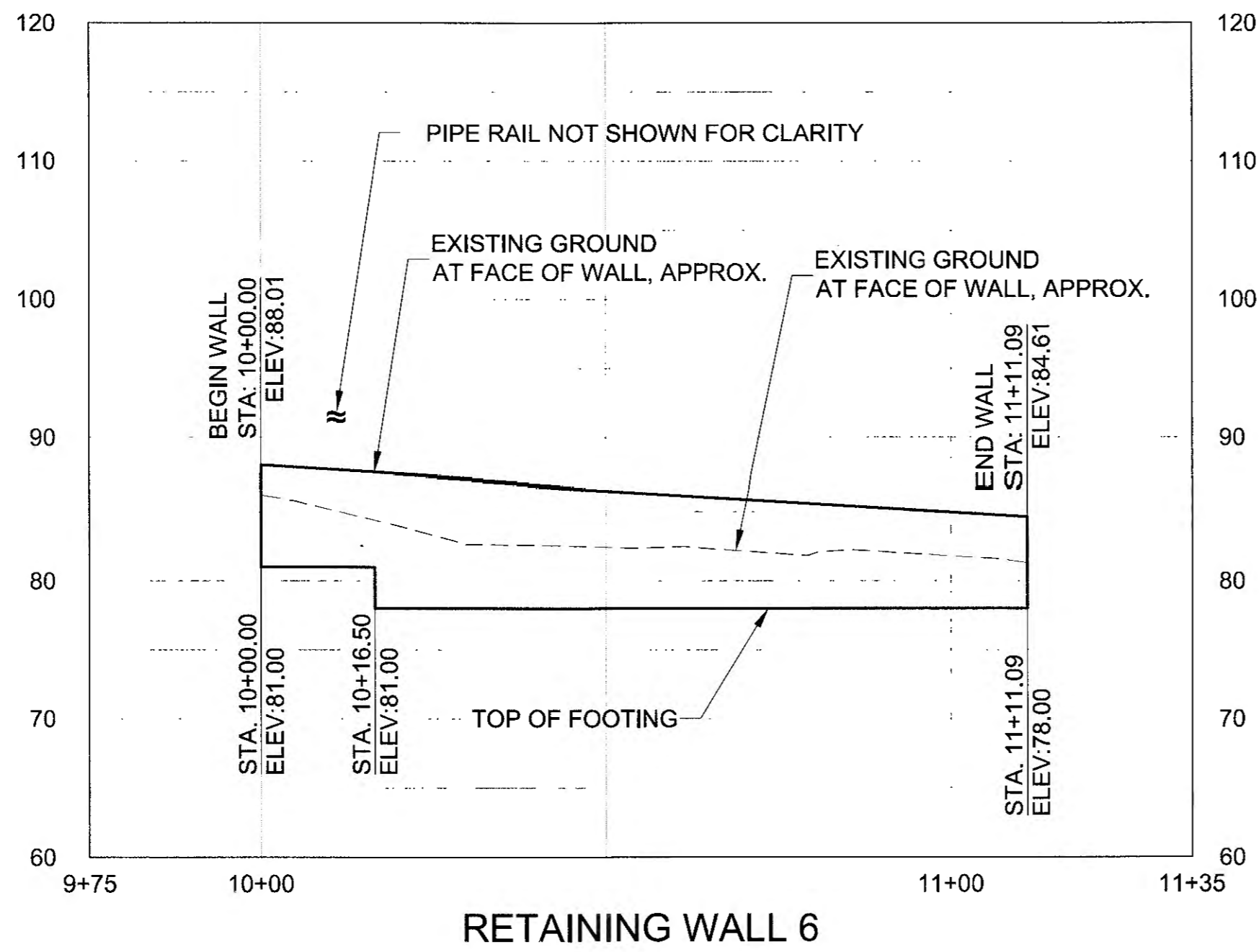
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: M4

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TJB Date 1/6/2020

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK, C. HAKARI
 DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION

**RETAINING WALL
 PLAN & PROFILE**

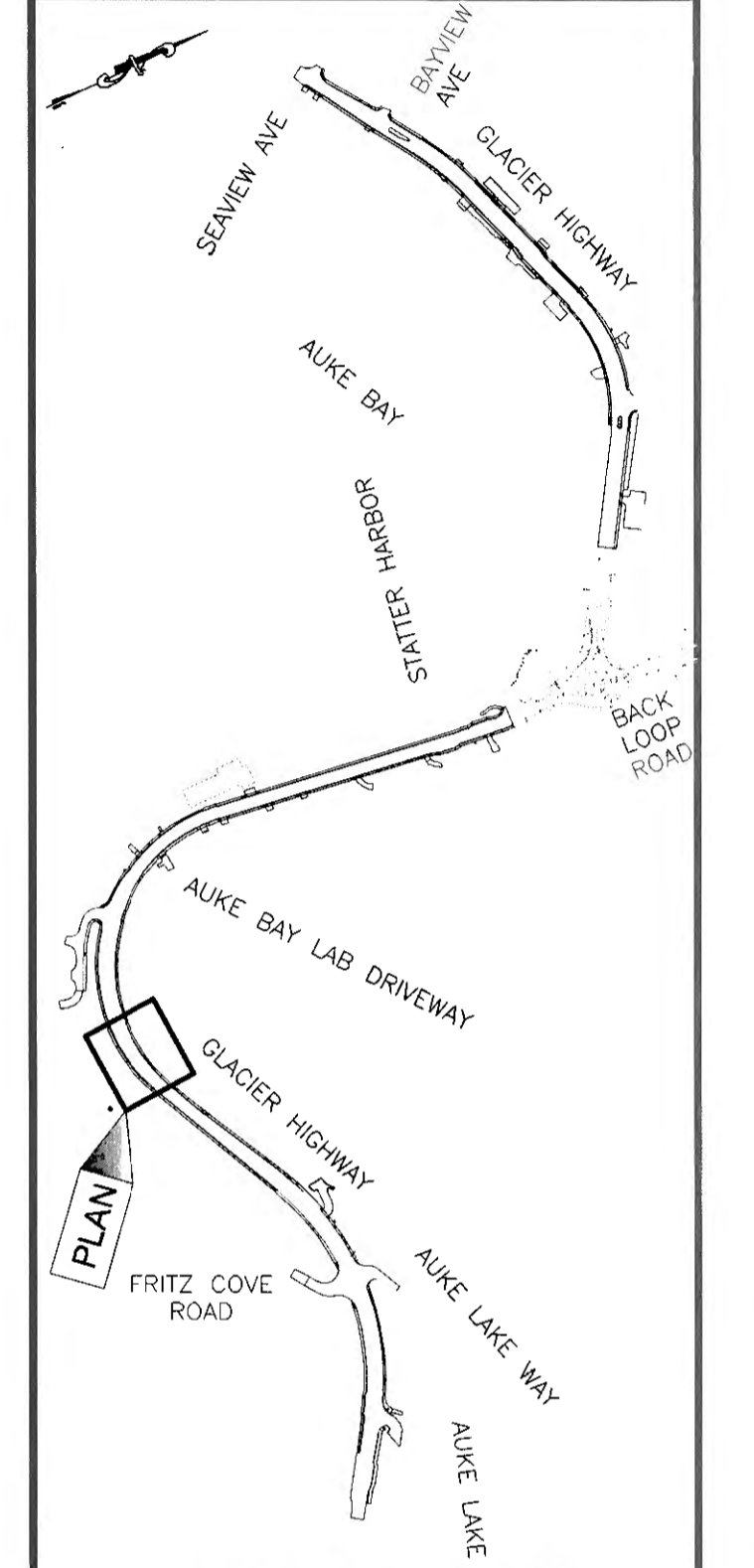
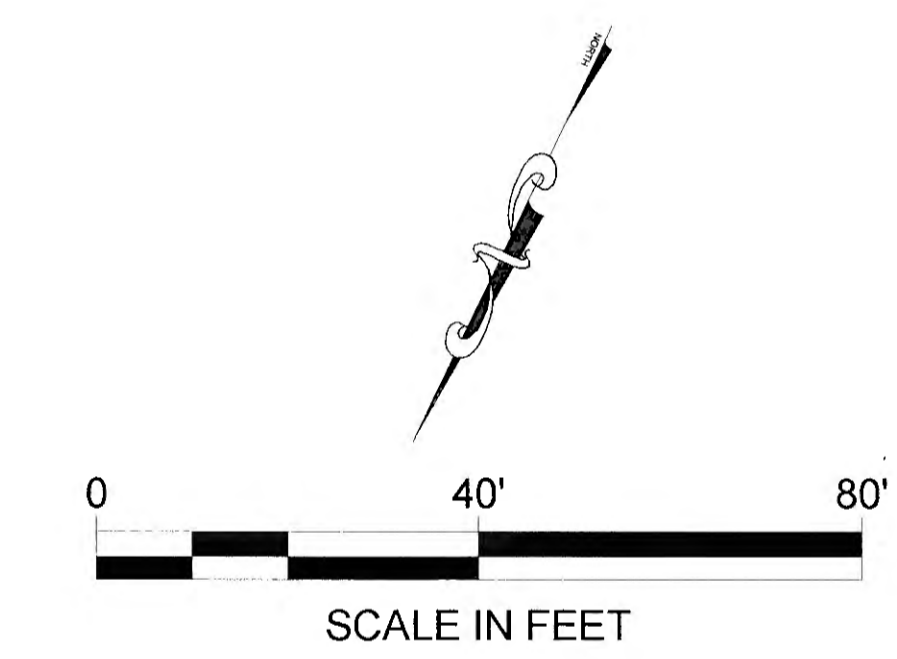
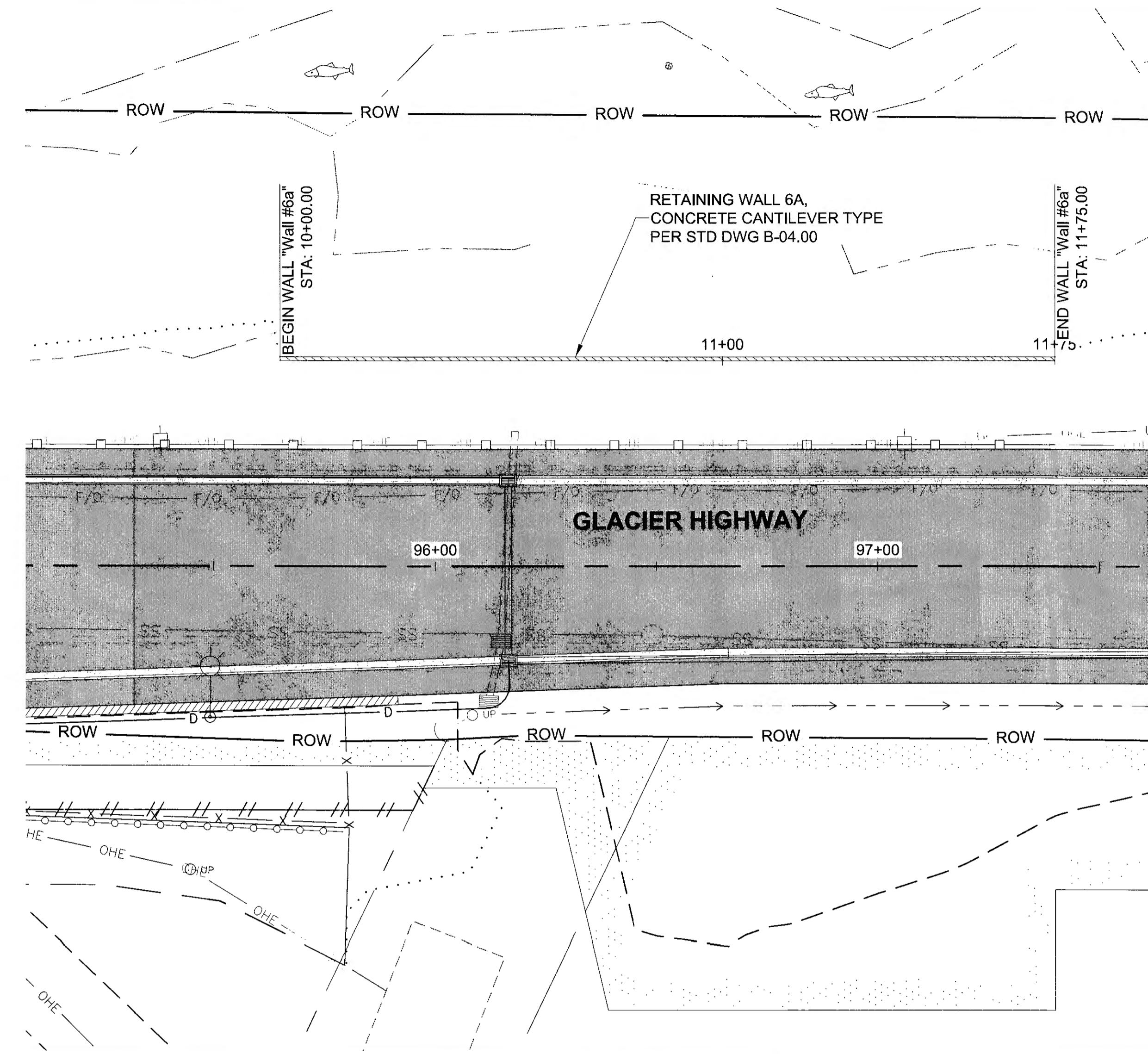
PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M4	145

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

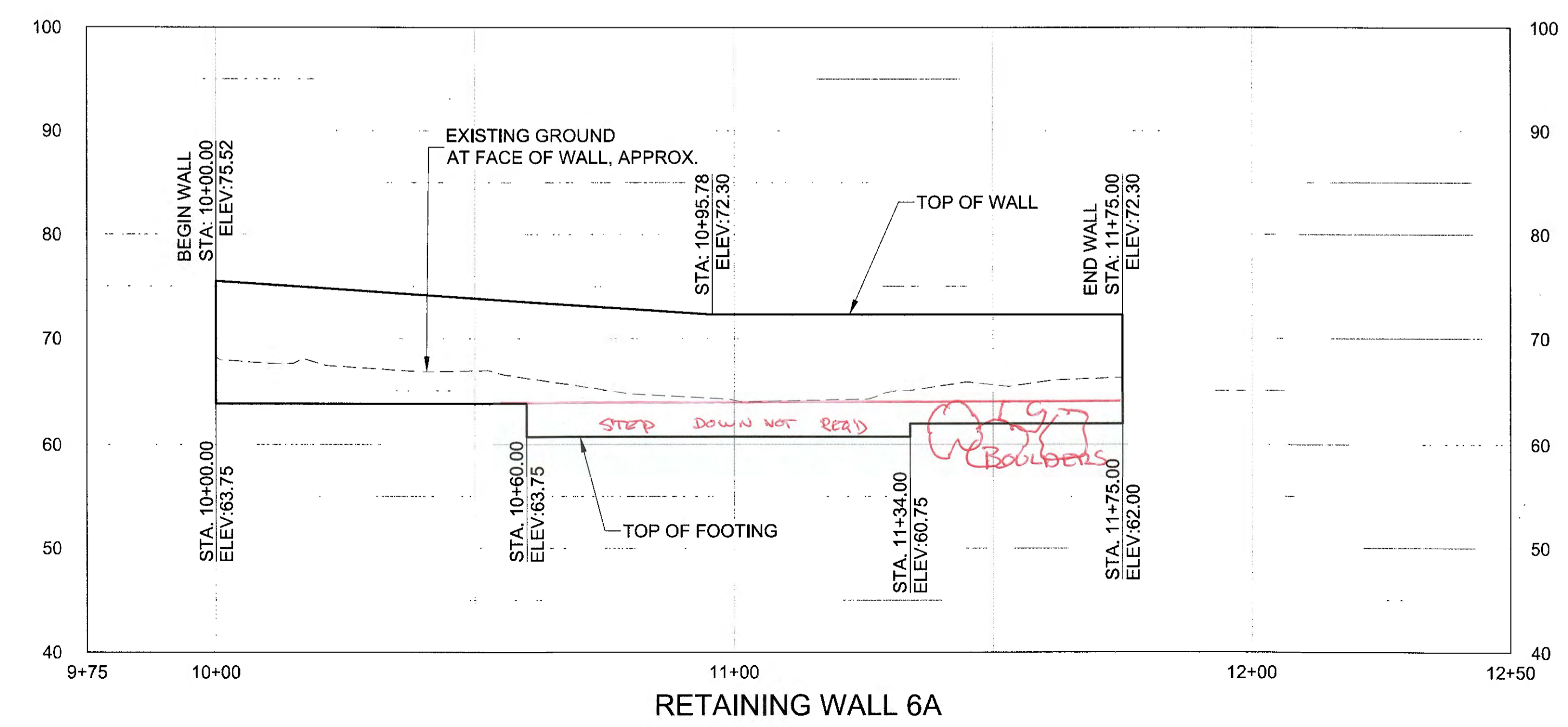
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: M5

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE IB Date 1/1/2016

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK, C. HAKARI
 DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE**

**RETAINING WALL
 PLAN & PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

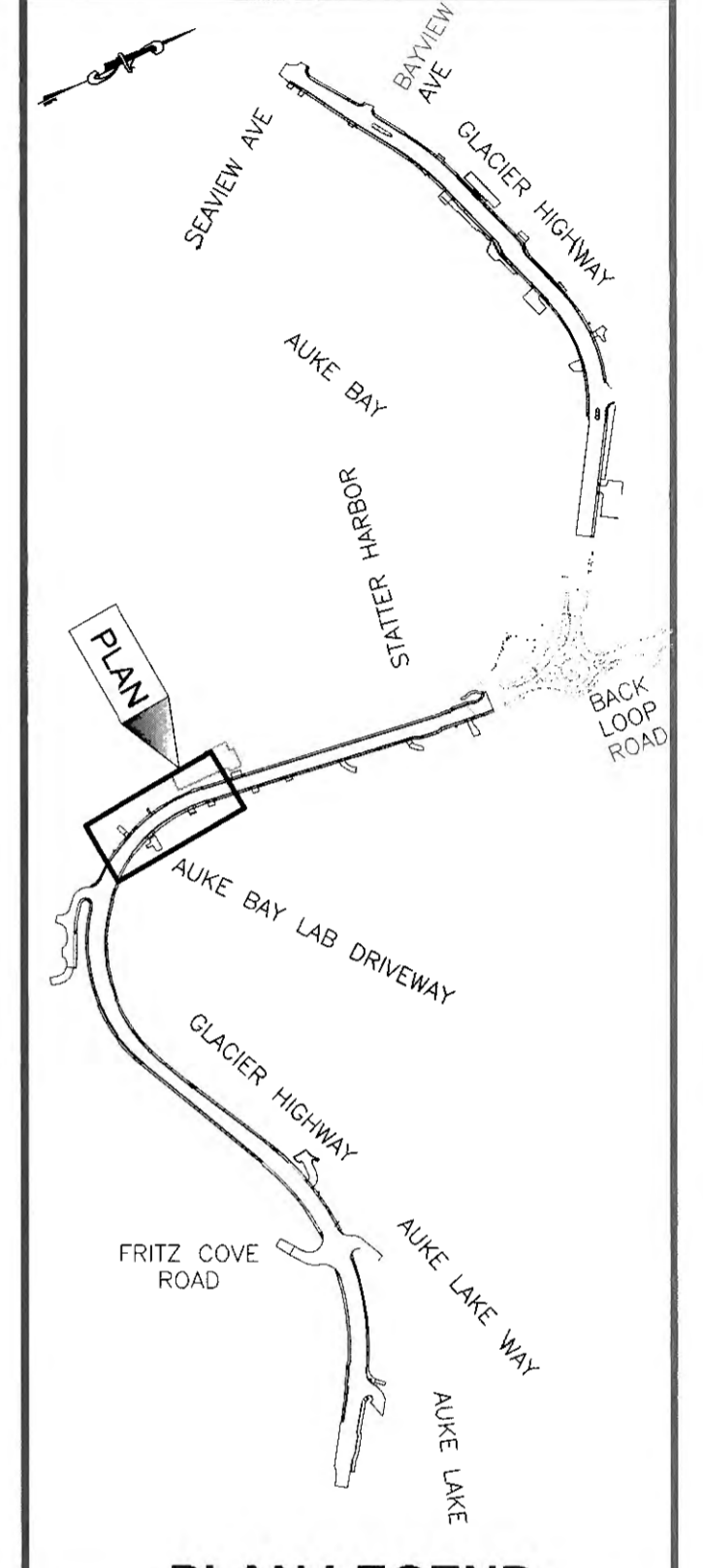
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M5	145

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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: M6
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



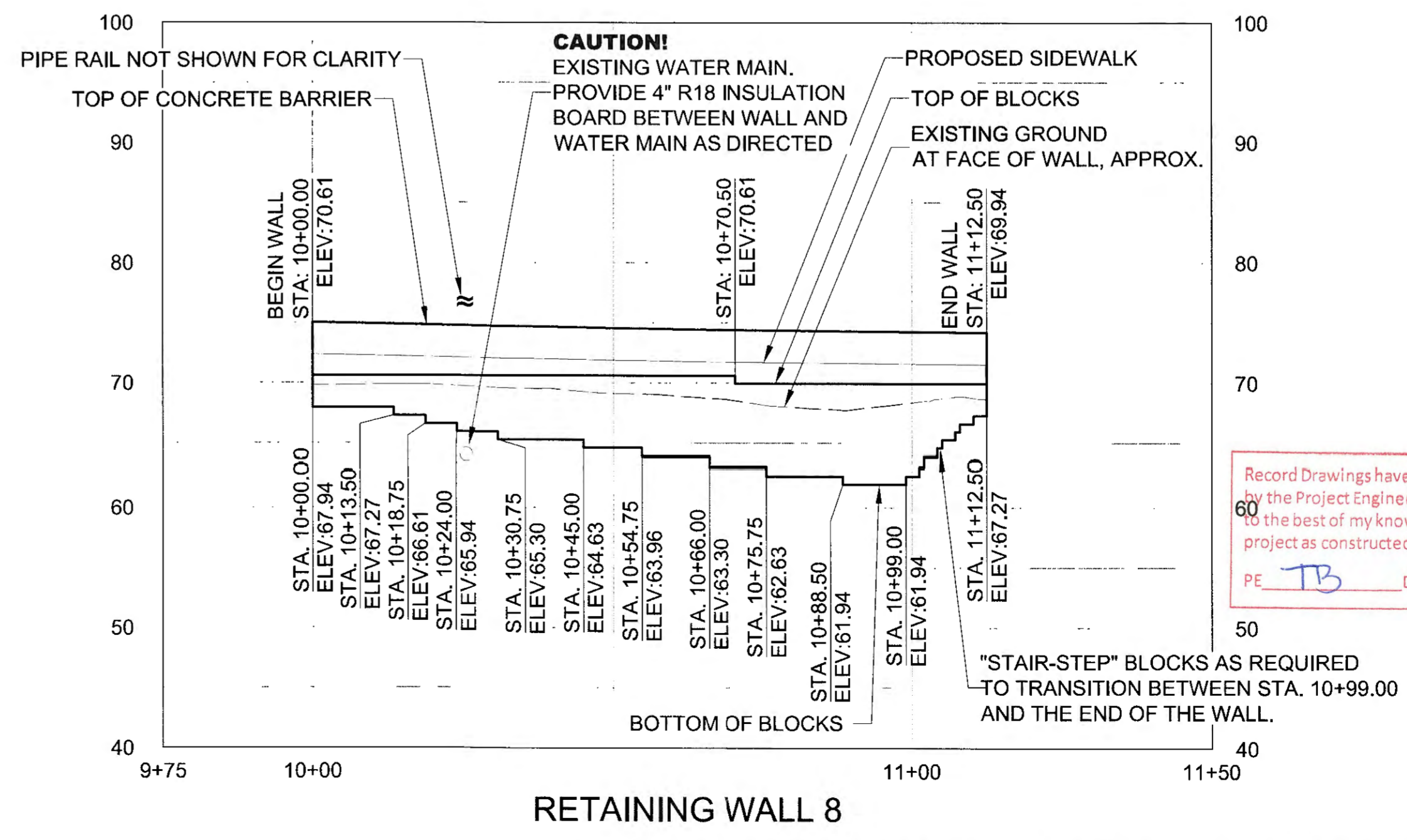
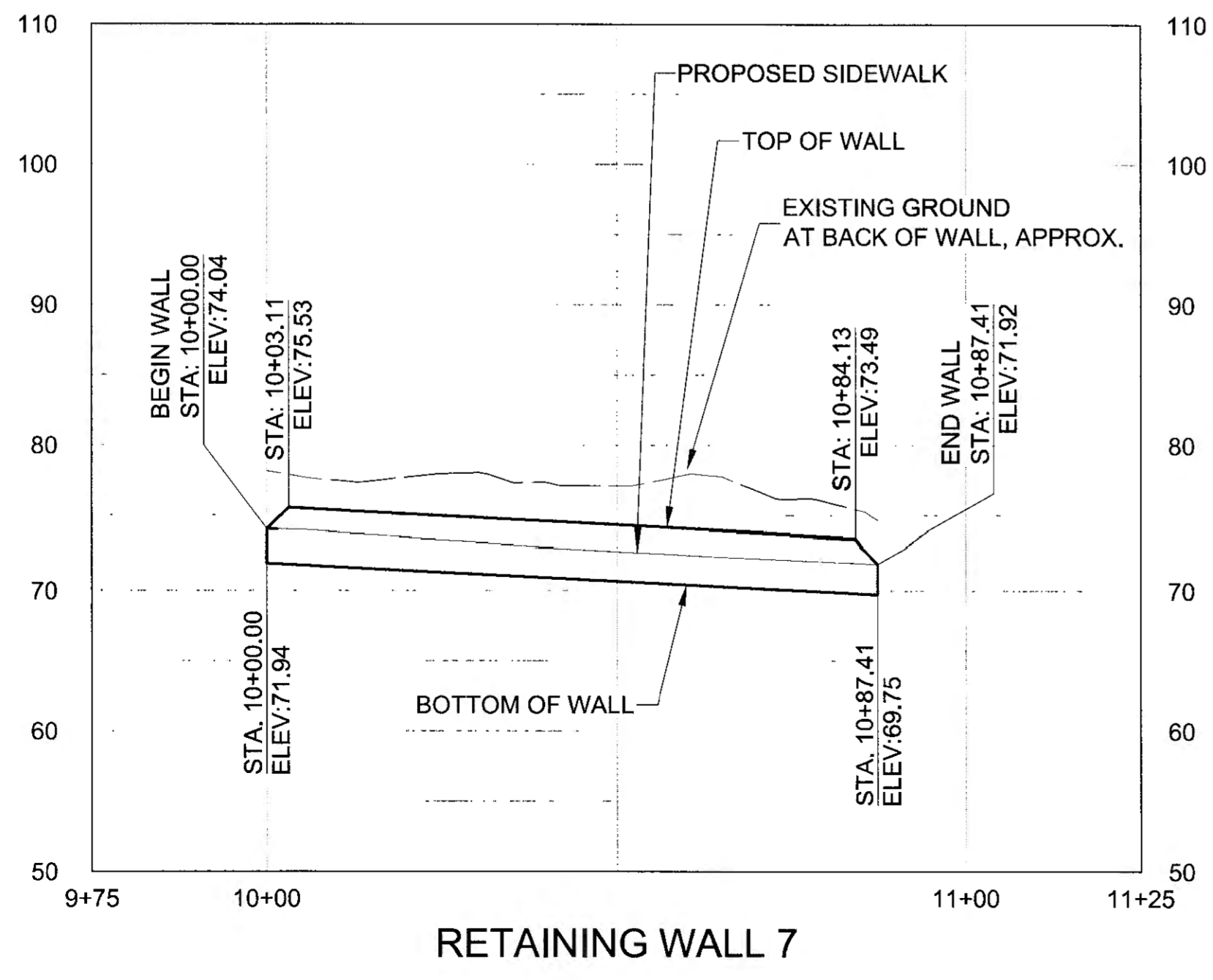
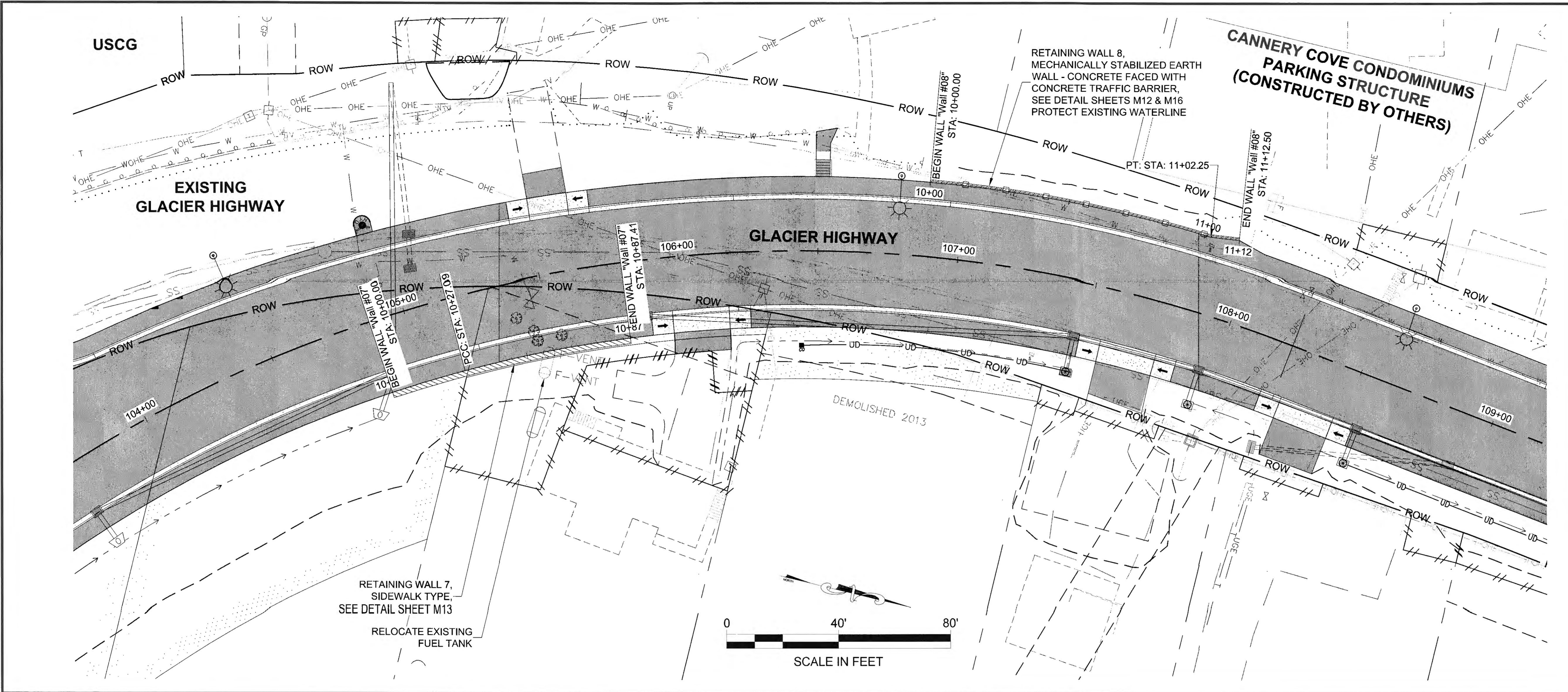
DESIGNED BY: B. PADDOCK, C. HAKARI
 DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**RETAINING WALL
 PLAN & PROFILE**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M6	145



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020

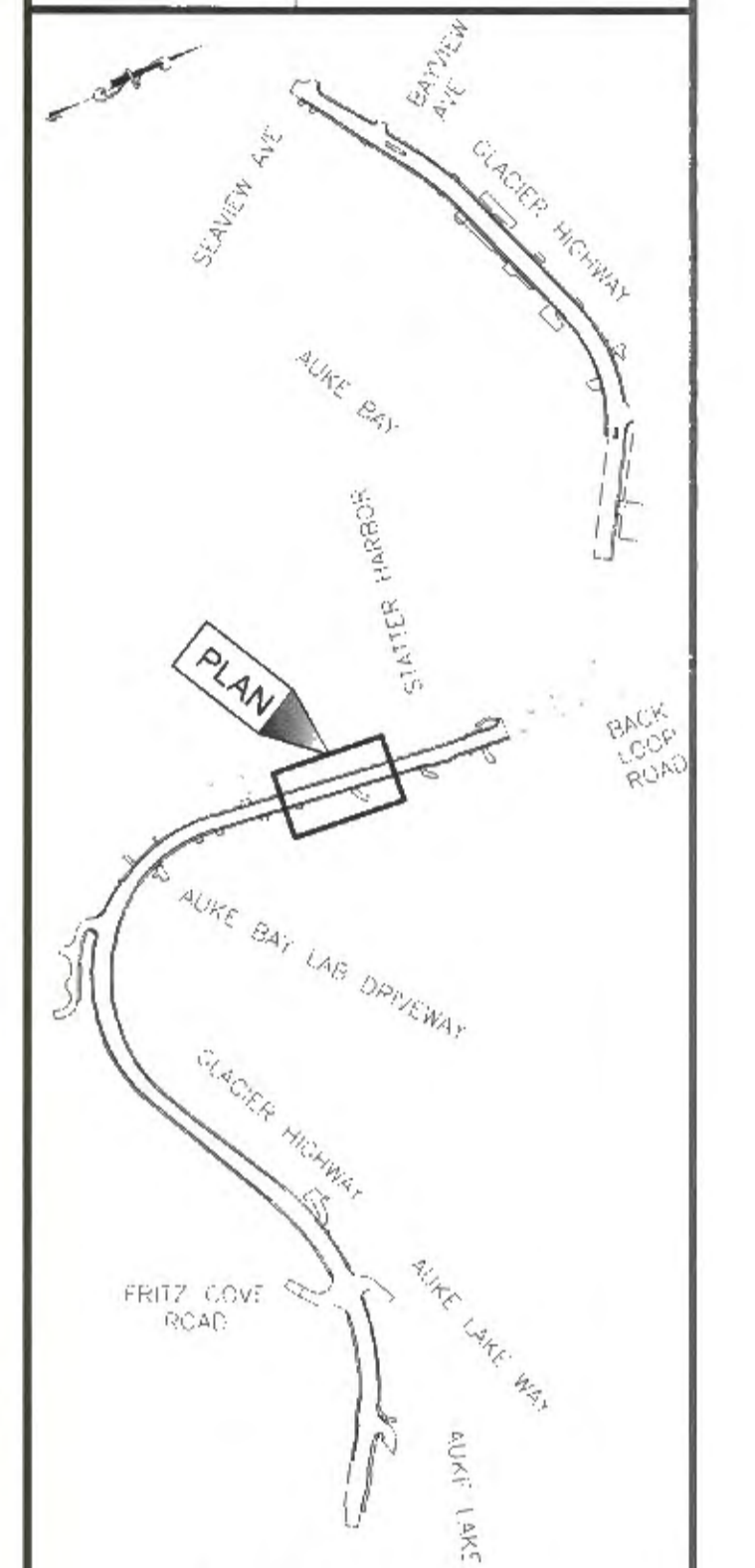
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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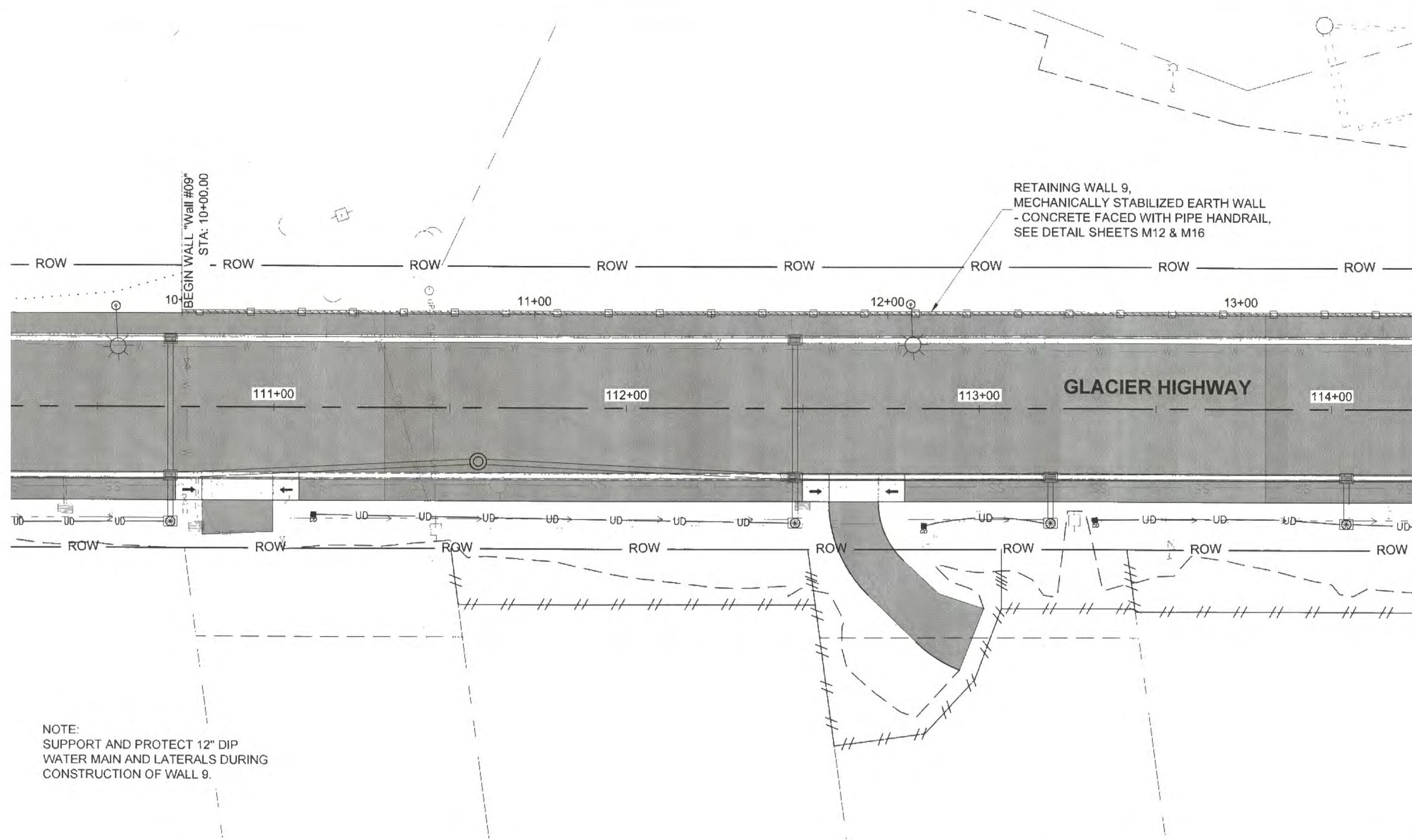
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST HIRFWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB M7
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

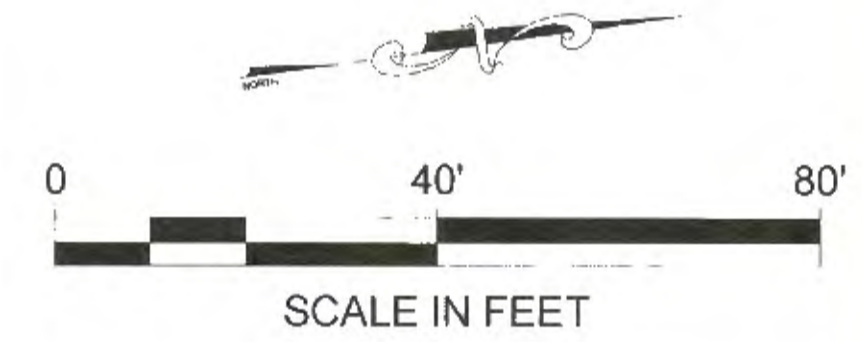
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



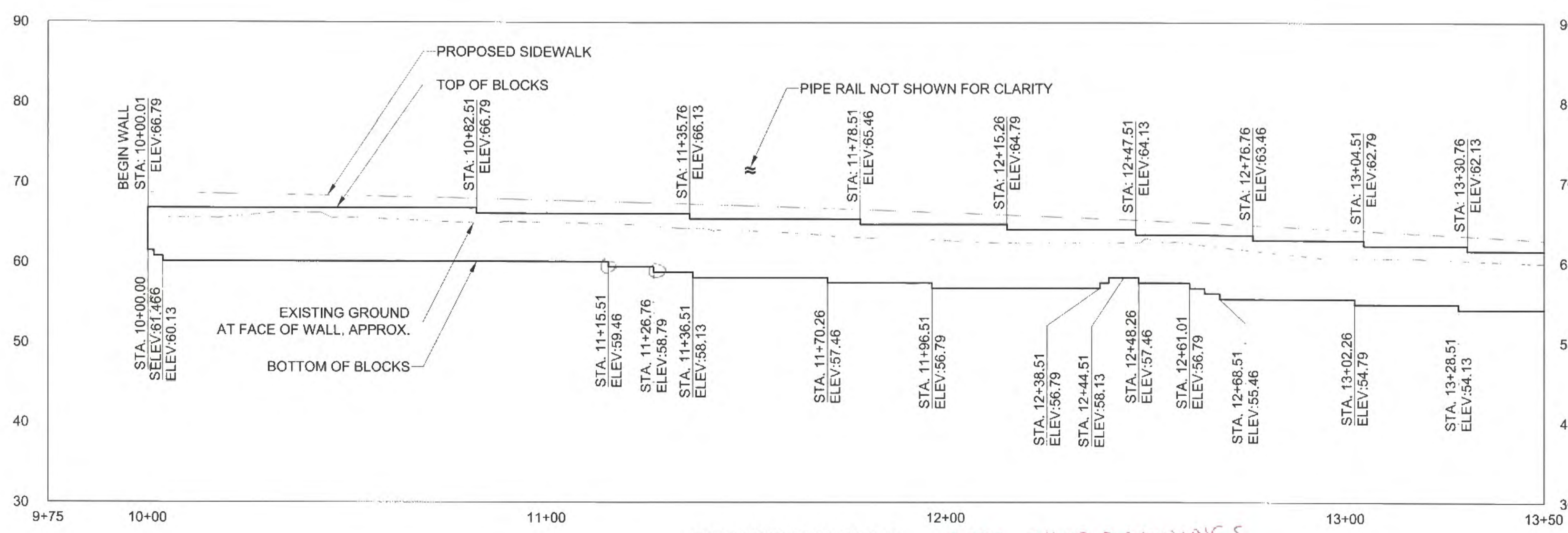
PLAN LEGEND



NOTE:
 SUPPORT AND PROTECT 12" DIP
 WATER MAIN AND LATERALS DURING
 CONSTRUCTION OF WALL 9.



MATCHLINE STA. 14+00
 SEE SHEET M8



RETAINING WALL 9

SEE SHOP DRAWINGS
 FOR ACTUAL ELEVATION
 7 STEPS FROM
 MANUFACT.

Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge the
 project as constructed.
 PE TB Date 1/12/2020

CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK, C. HAKARI
 DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**RETAINING WALL
 PLAN & PROFILE**

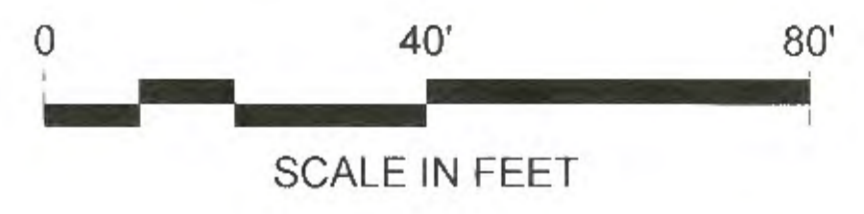
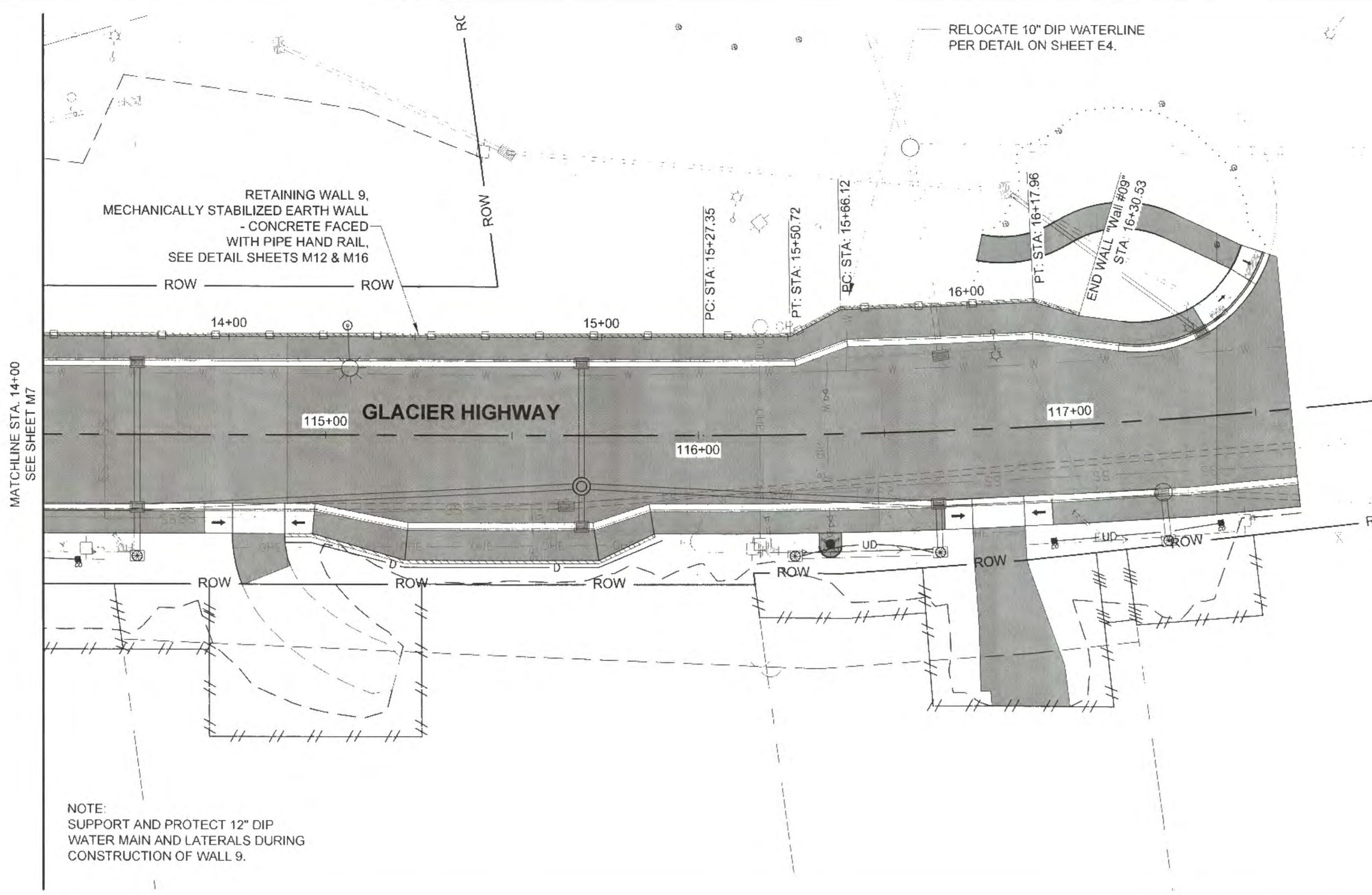
PROJECT DESIGNATION
0933039/Z684710000

STATE: ALASKA YEAR: 2016

SHEET NUMBER: M7 TOTAL SHEETS: 145

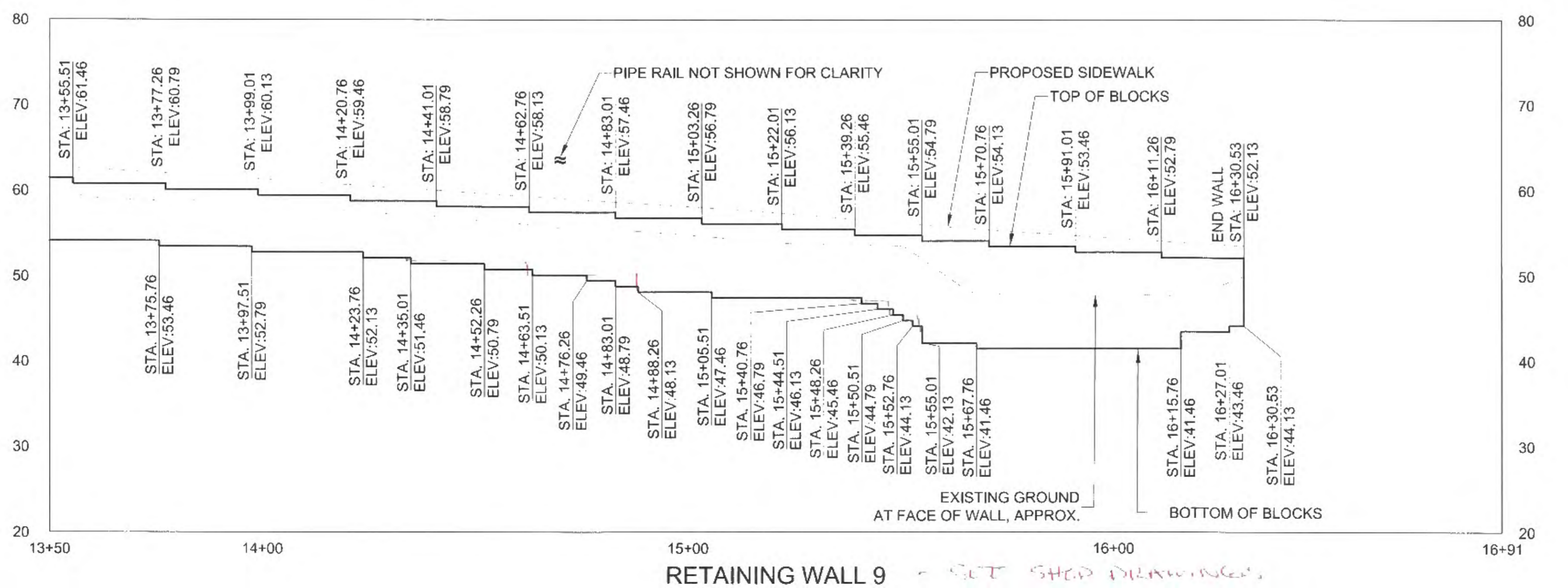
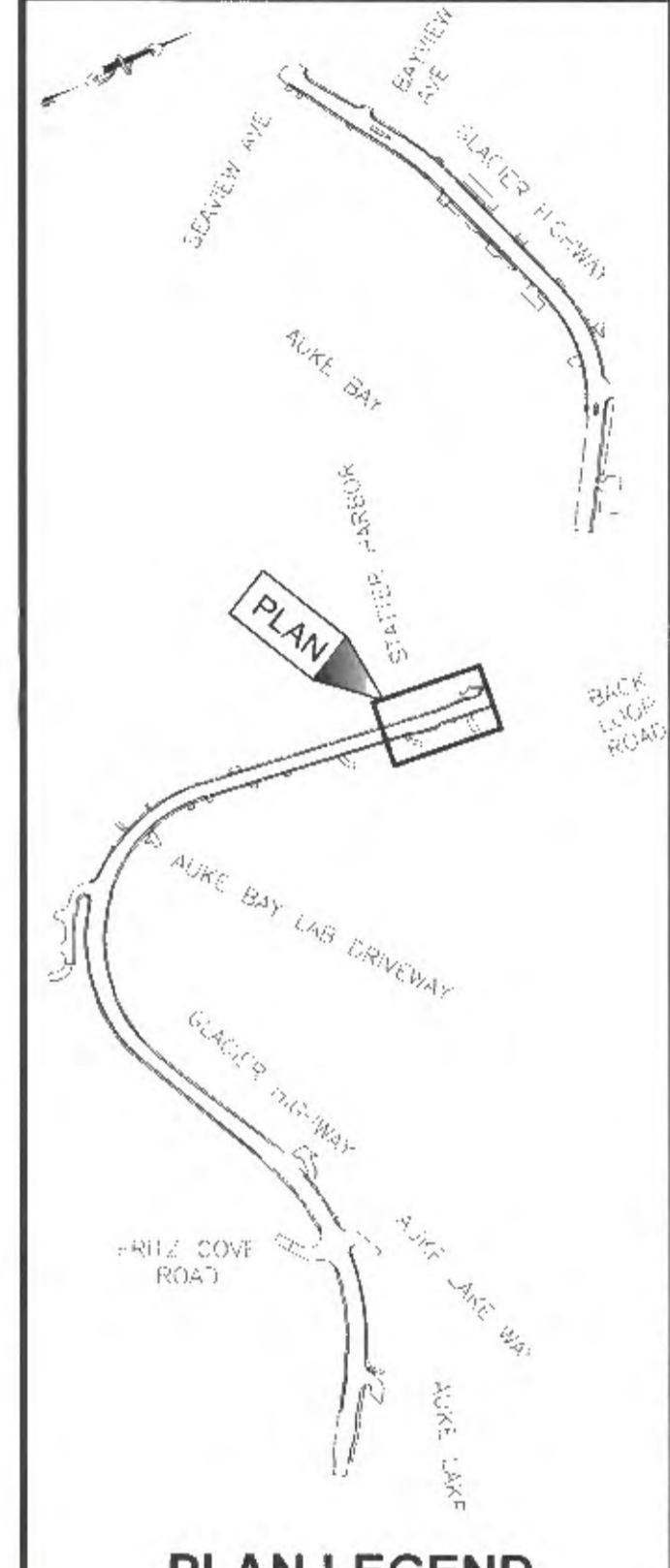
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2017\01\64\DWGS\CIS\SHEETS\1285400_M1-M11.DWG



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIRWOOD LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907 276 4245
 C.A. #176386

TAB M8
 ADDENDUM NUMBER
 ATTACHMENT NUMBER



REVISIONS

No.	DATE	DESCRIPTION
1	1/10/2016	SET SHED DRAWINGS

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK, C. HAKARI
 DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

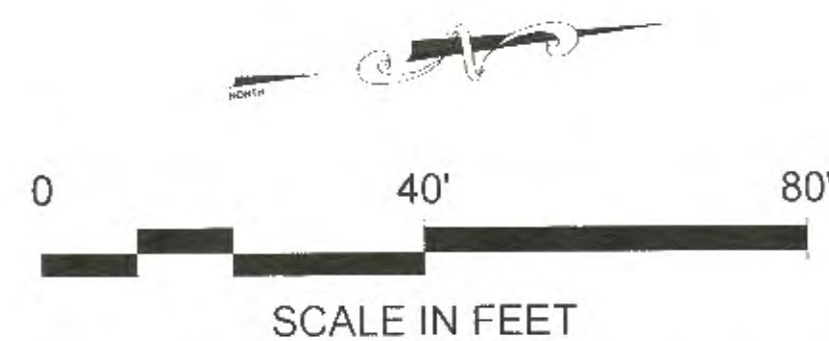
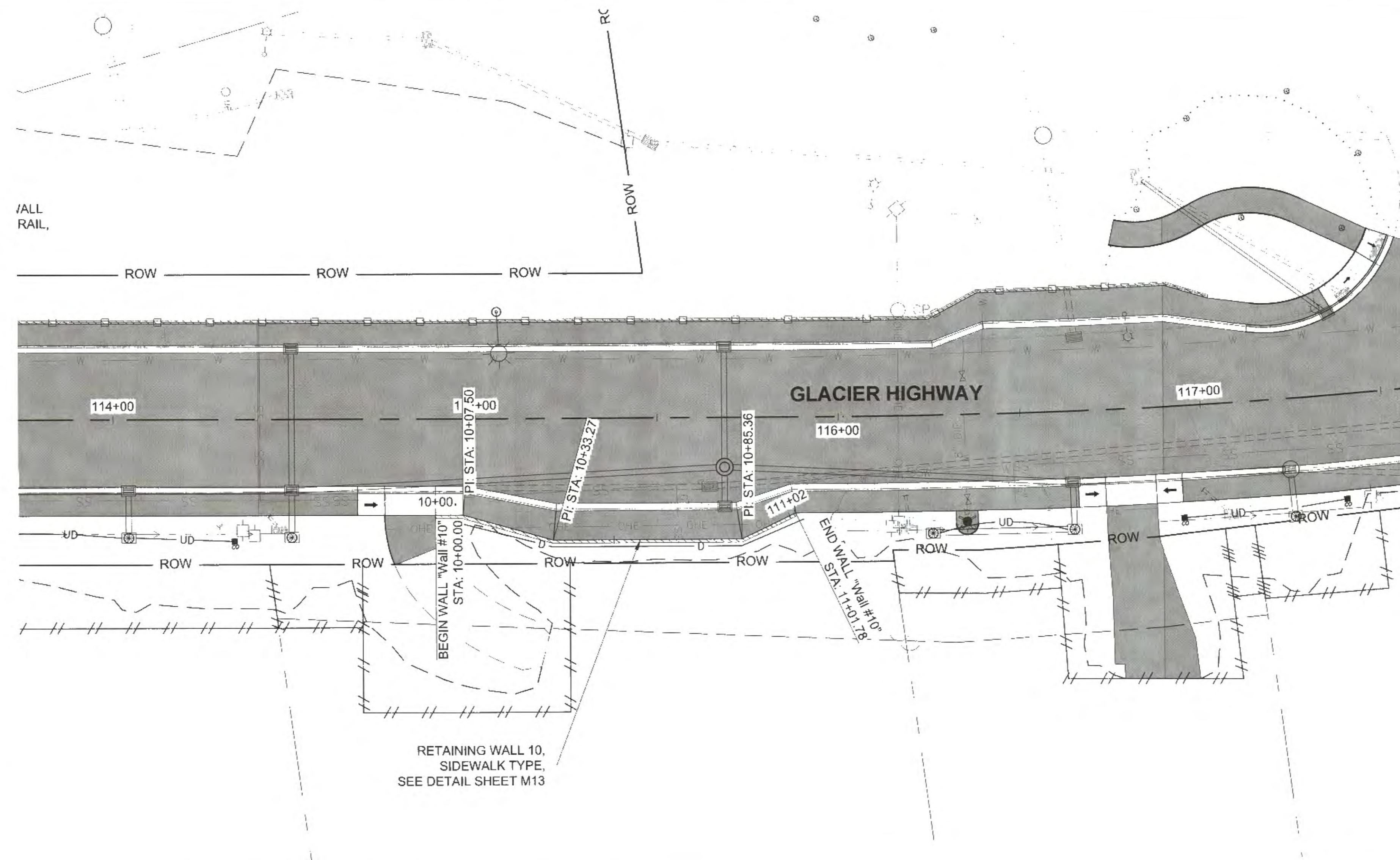
PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
M8	145

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DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

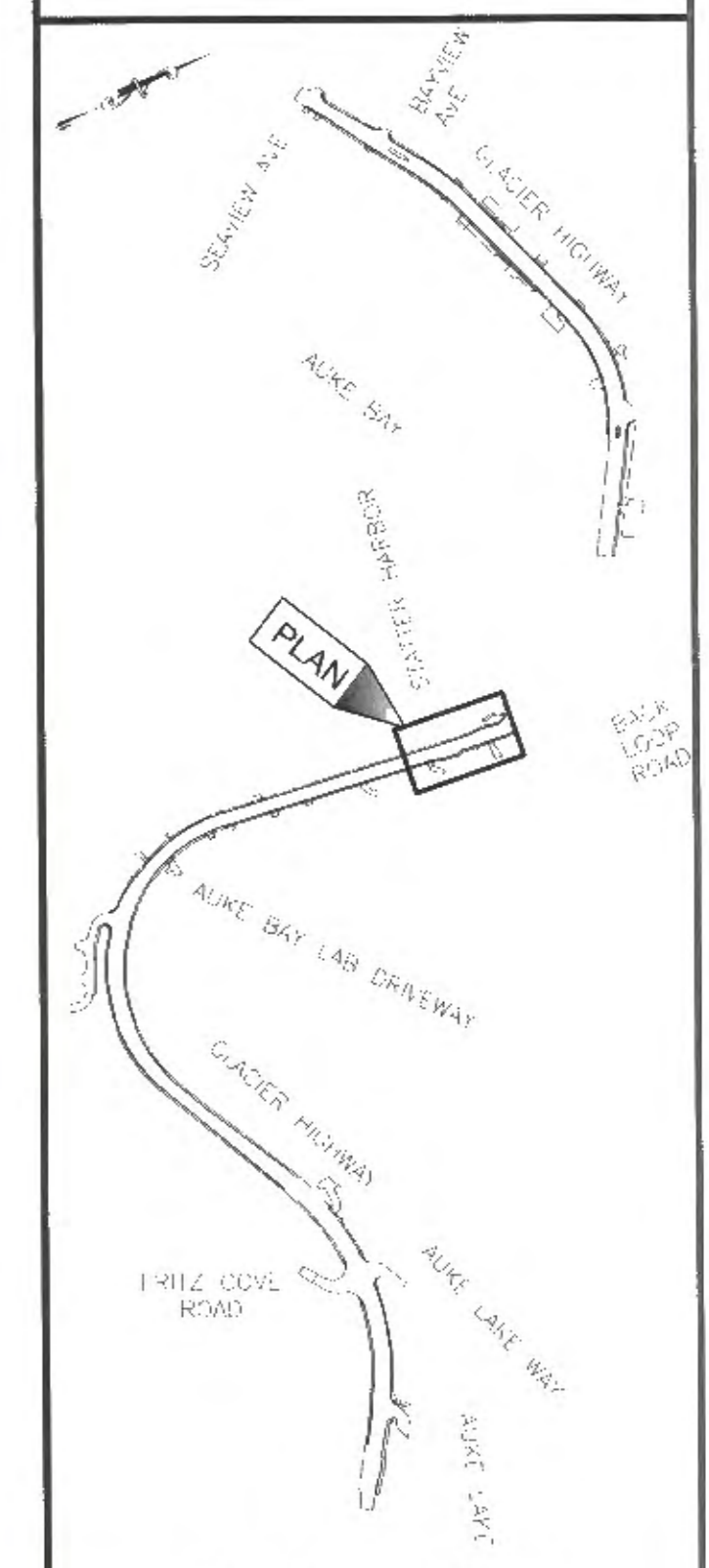


PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

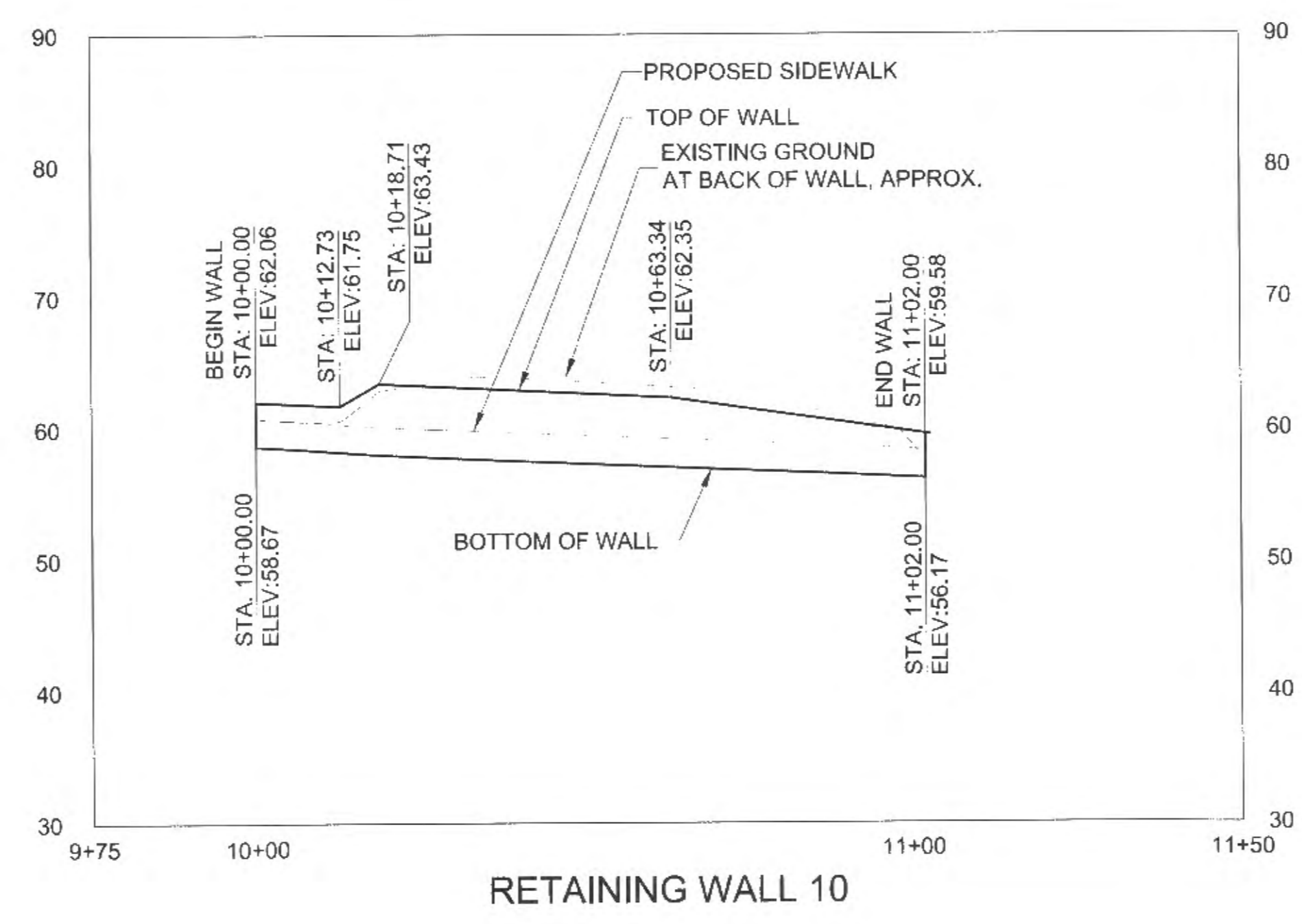
TAB M9
ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



RETAINING WALL 10

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DATE: 10/10/2016
BY: [Signature]

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK, C. HAKARI
DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

**RETAINING WALL
PLAN & PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

STATE ALASKA	YEAR 2016
SHEET NUMBER M9	TOTAL SHEETS 145

PATH: U:\2016\07\54\DWG\CS\CS\128400_M1-M11.DWG

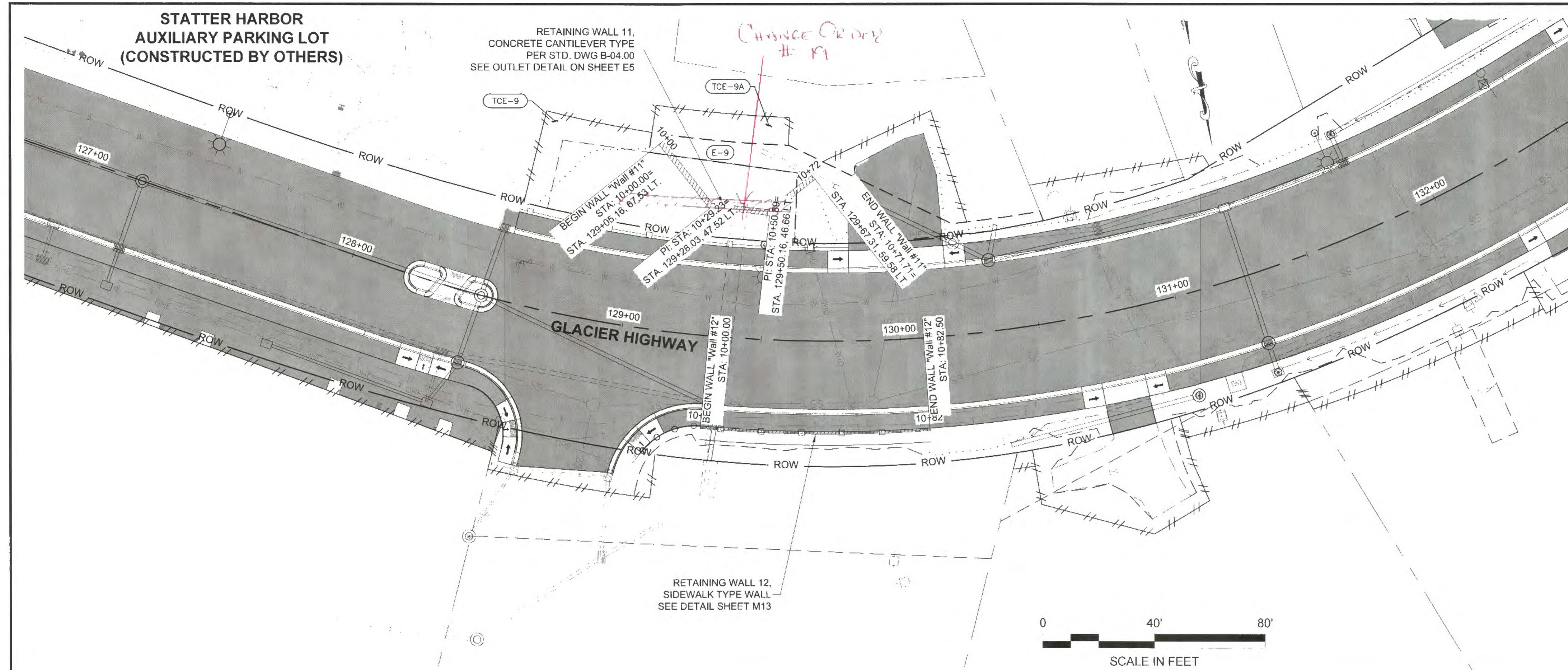
**STATTER HARBOR
AUXILIARY PARKING LOT
(CONSTRUCTED BY OTHERS)**

RETAINING WALL 11,
CONCRETE CANTILEVER TYPE
PER STD. DWG B-04.00
SEE OUTLET DETAIL ON SHEET E5

RETAINING WALL 12,
SIDEWALK TYPE WALL
SEE DETAIL SHEET M13

GLACIER HIGHWAY

CHANGE ORDER #19



PLANS DEVELOPED BY:
STANILCO CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503 2245
907-276-4245
C.A. #126386

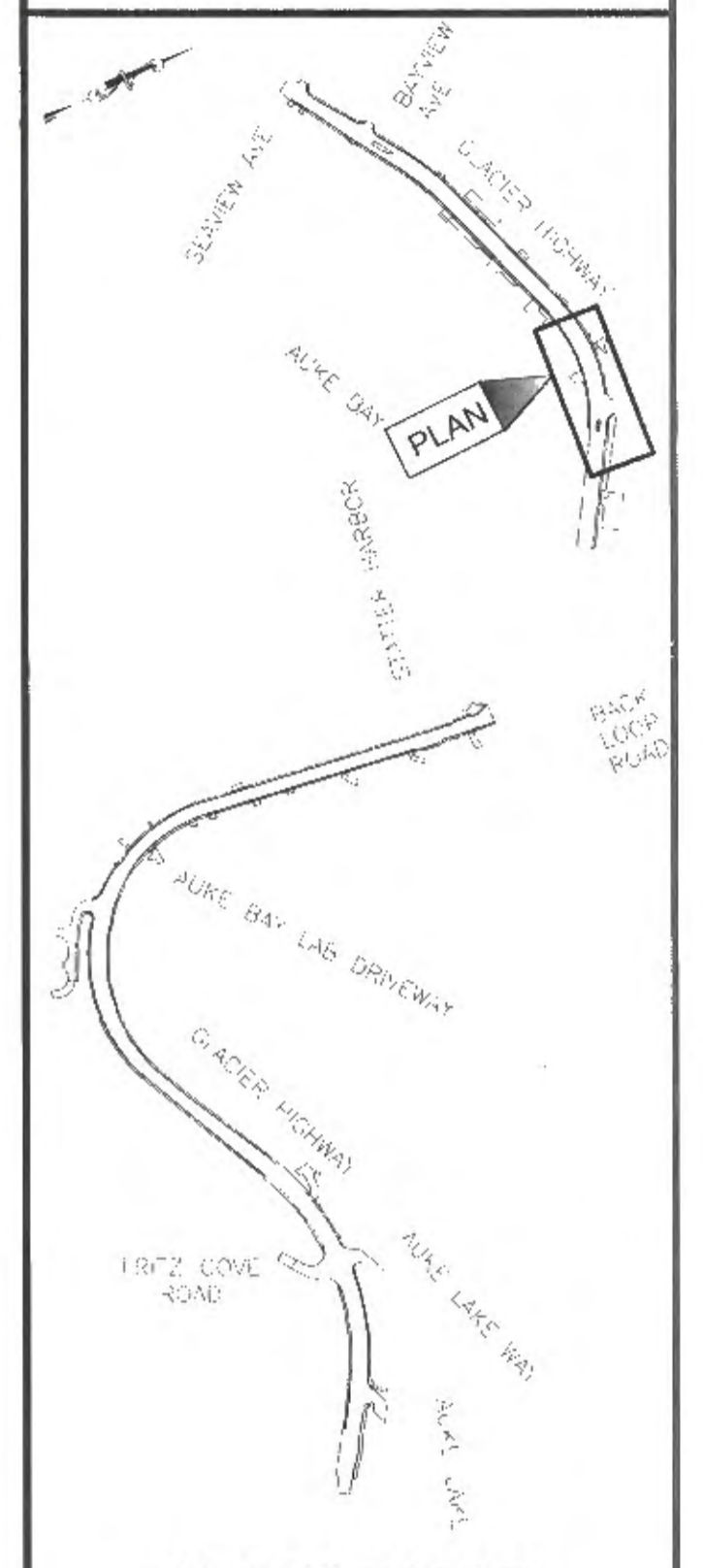
TAB M10

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK, C. HAKARI
DRAWN BY: B. PADDOCK, C. HAKARI

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

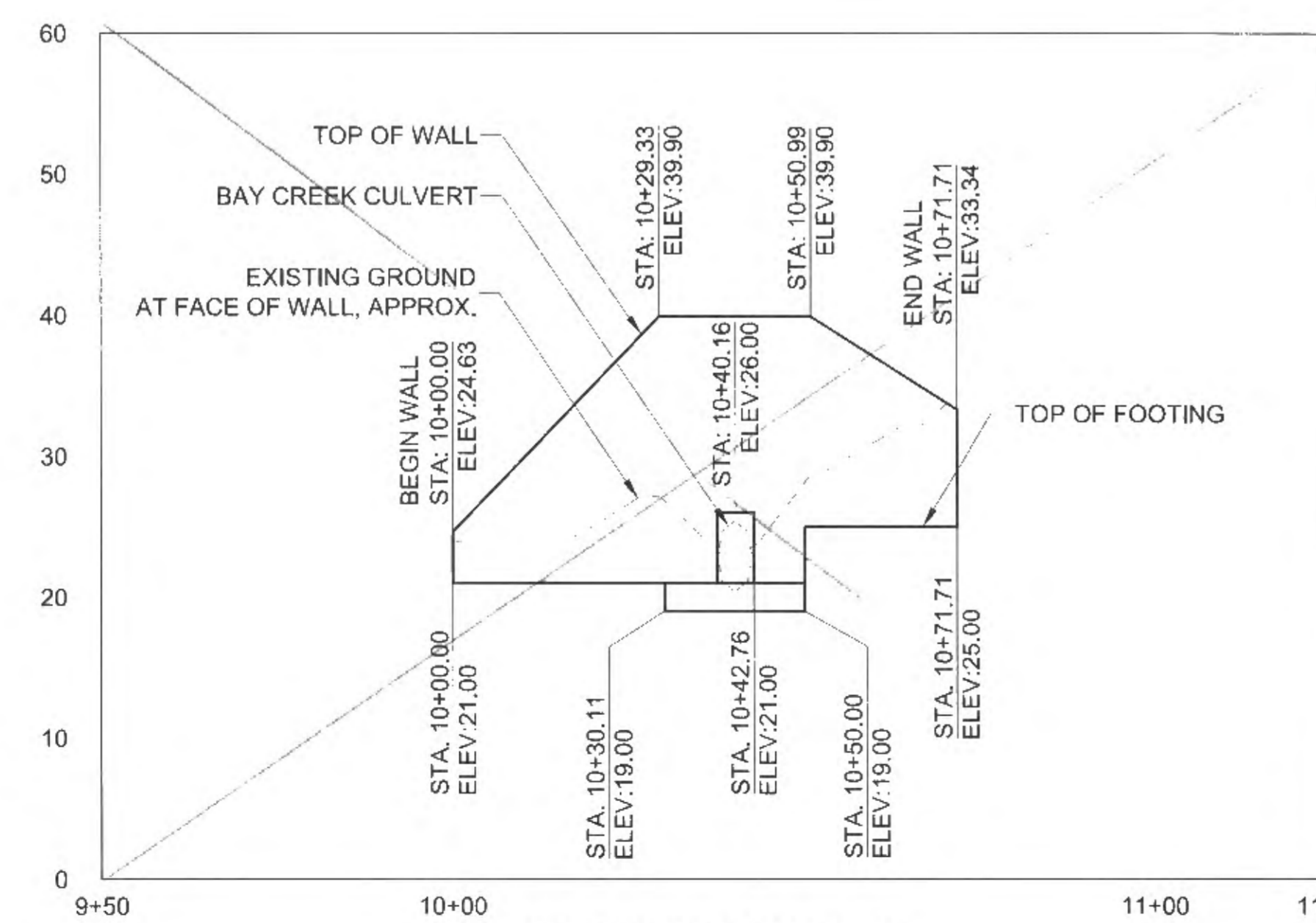
**GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE**

**RETAINING WALL
PLAN & PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

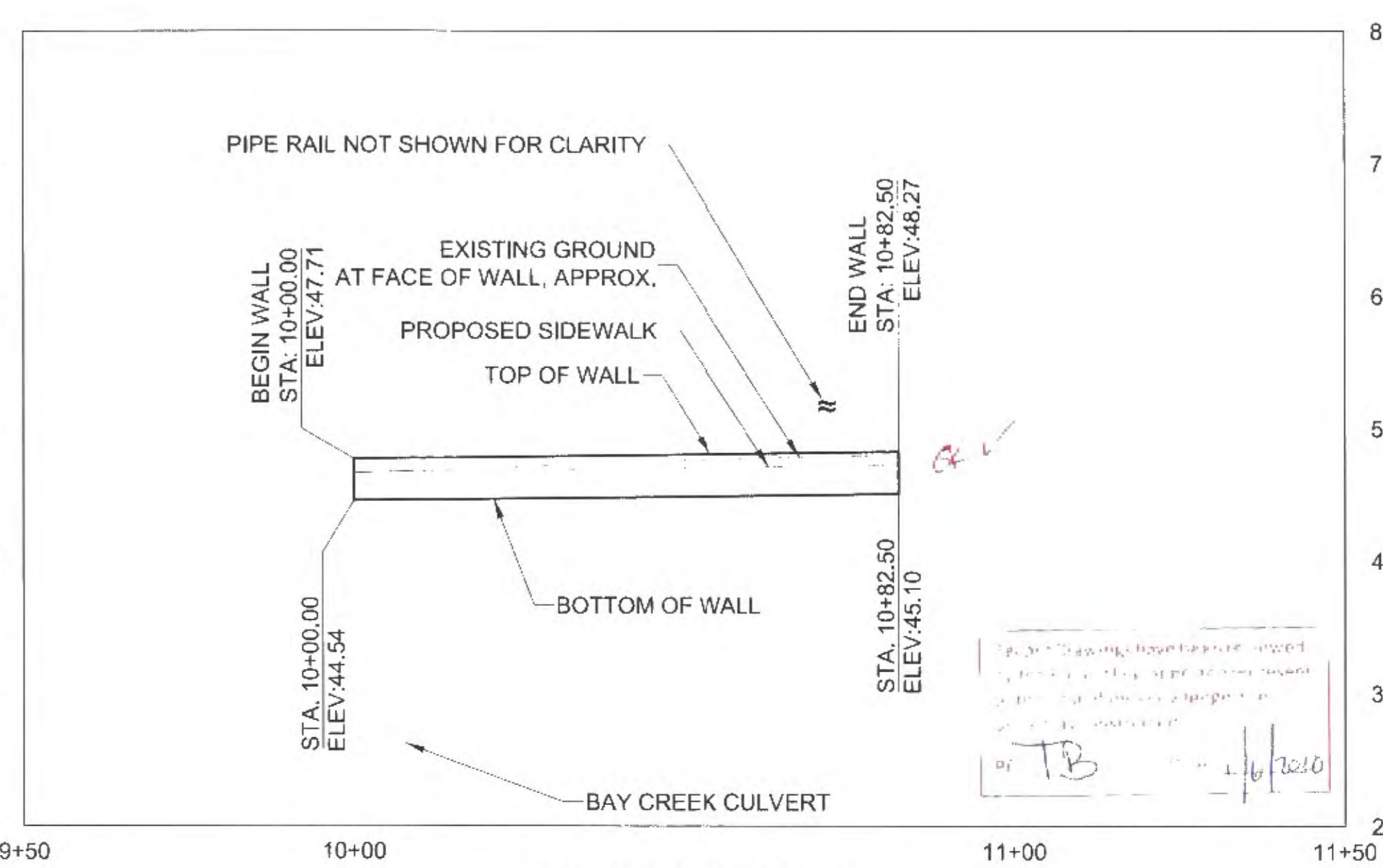
STATE: **ALASKA** YEAR: **2016**

SHEET NUMBER: **M10** TOTAL SHEETS: **145**



RETAINING WALL 11

*MODIFICATIONS TO WALL #11
CAN BE REFERENCED ON
SHEET M10A WITHIN CO-19.*

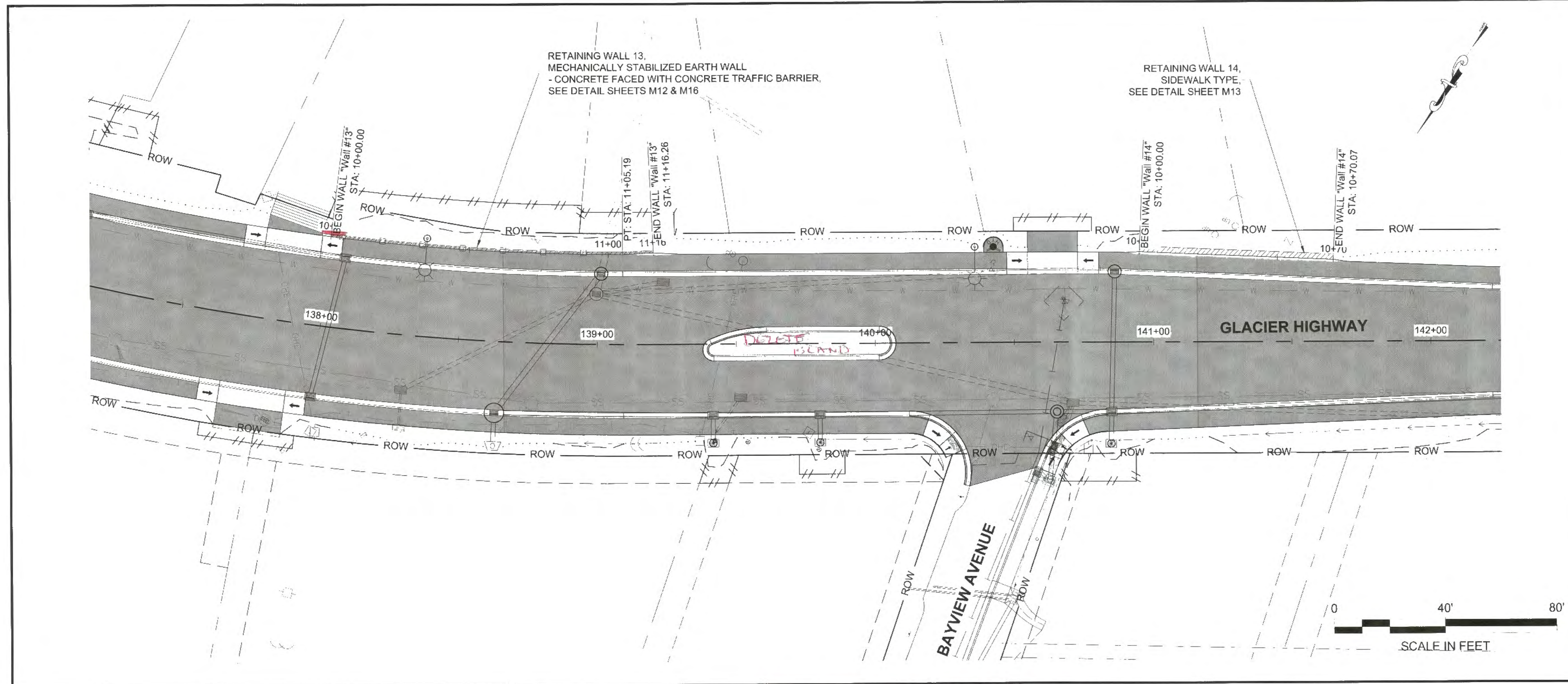


RETAINING WALL 12

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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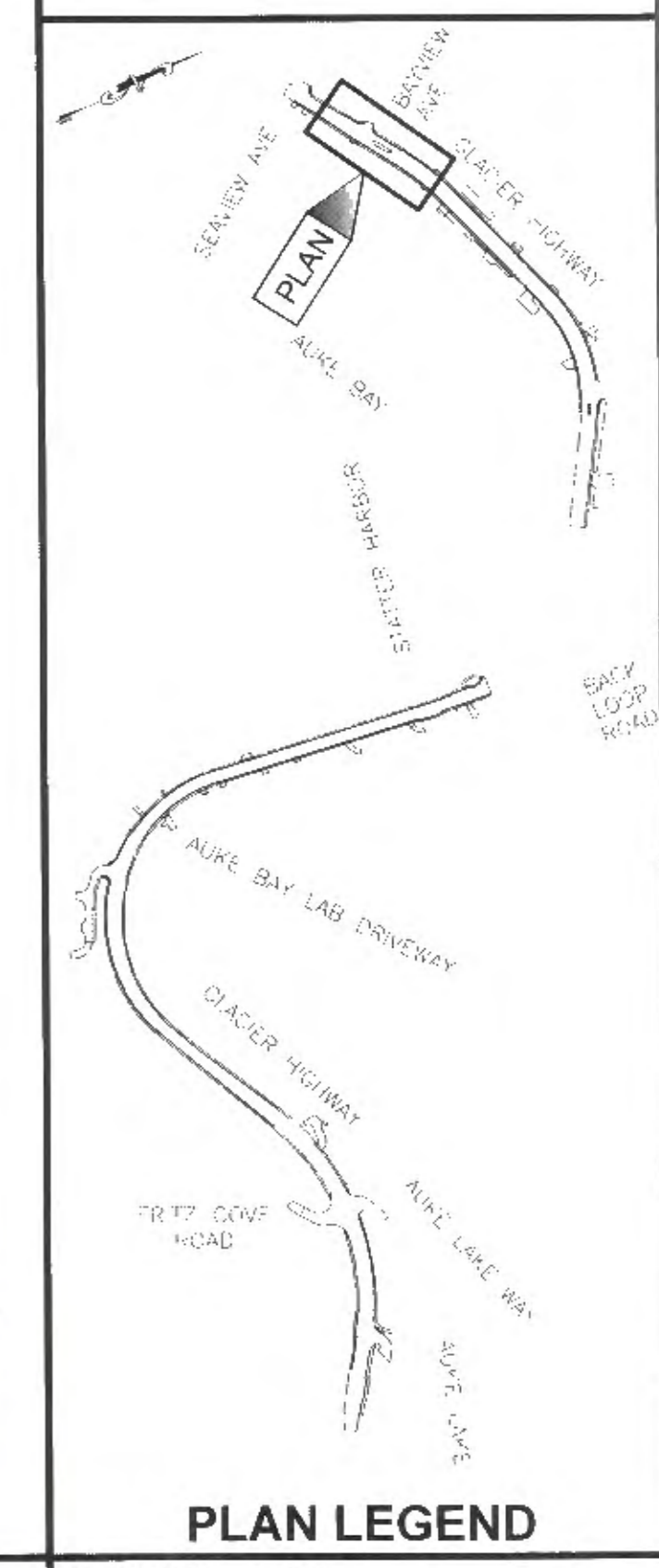
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PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126586

TAB M11
ADDENDUM NUMBER
ATTACHMENT NUMBER
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



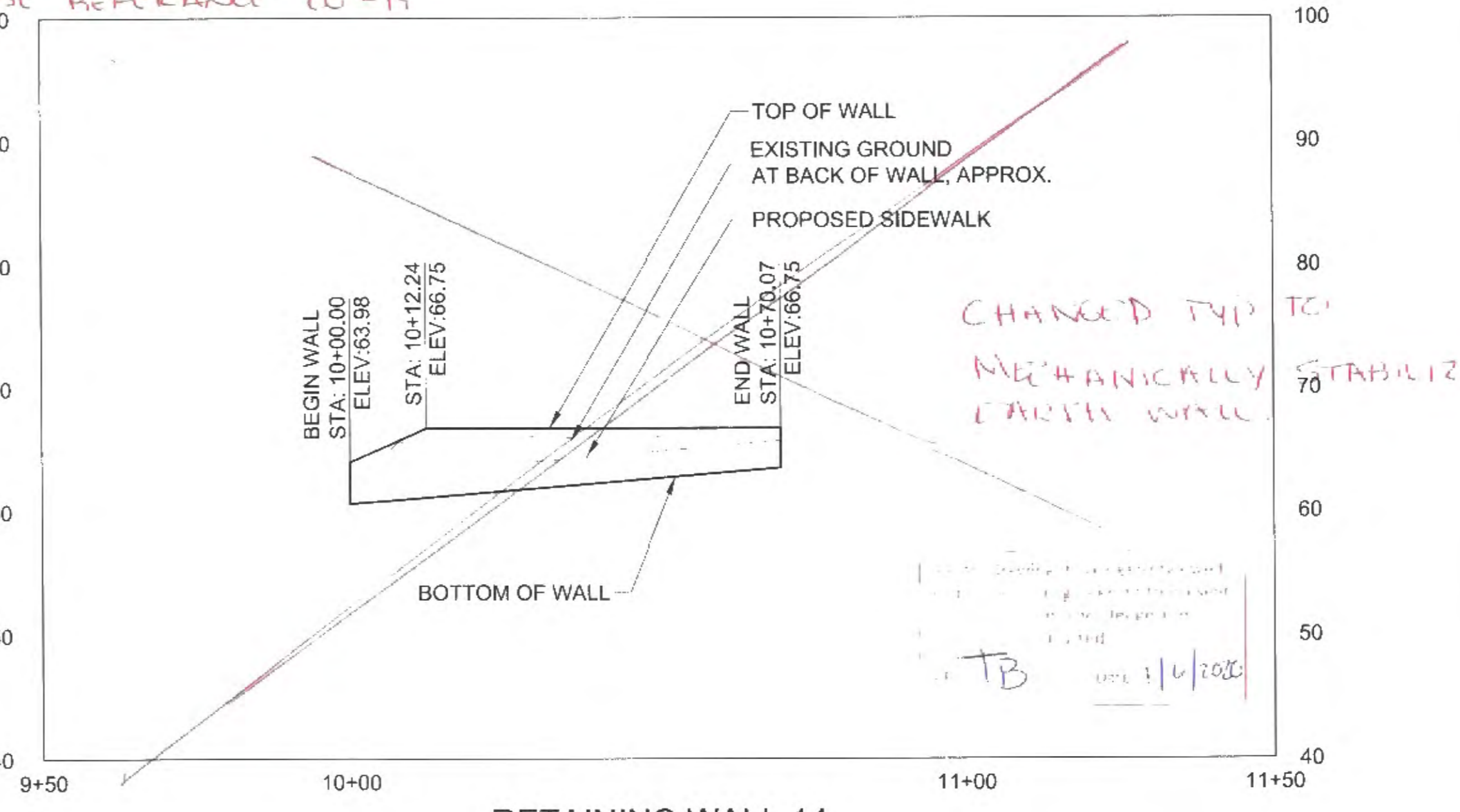
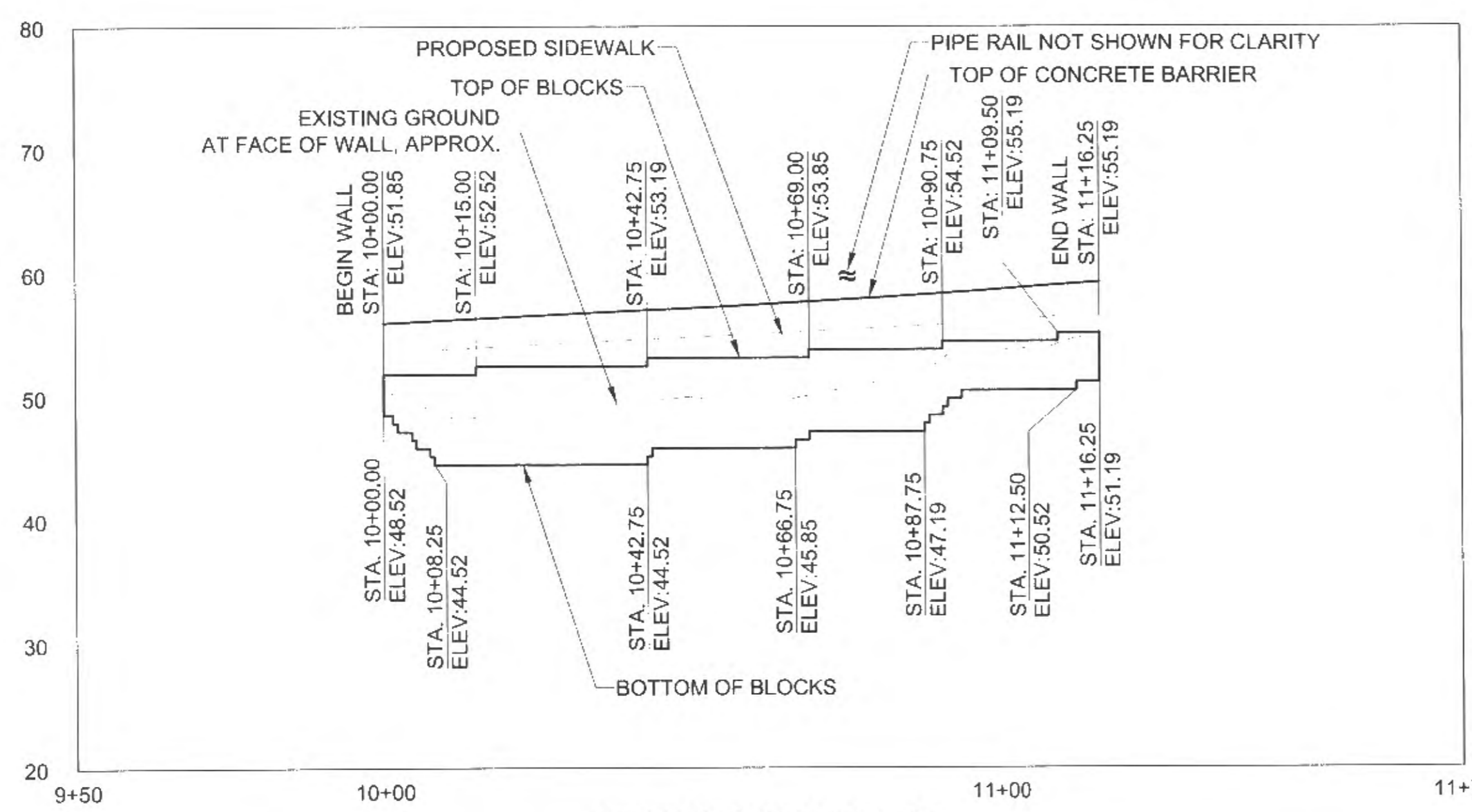
THIS SHEET WAS REPLACED IN ITS ENTIRETY. PLEASE REFERENCE CO #19

CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK, C. HAKARI
DRAWN BY: B. PADDOCK, C. HAKARI
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION
GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

RETAINING WALL PLAN & PROFILE
PROJECT DESIGNATION
0933039/Z684710000
STATE ALASKA YEAR 2016
SHEET NUMBER M11 TOTAL SHEETS 145



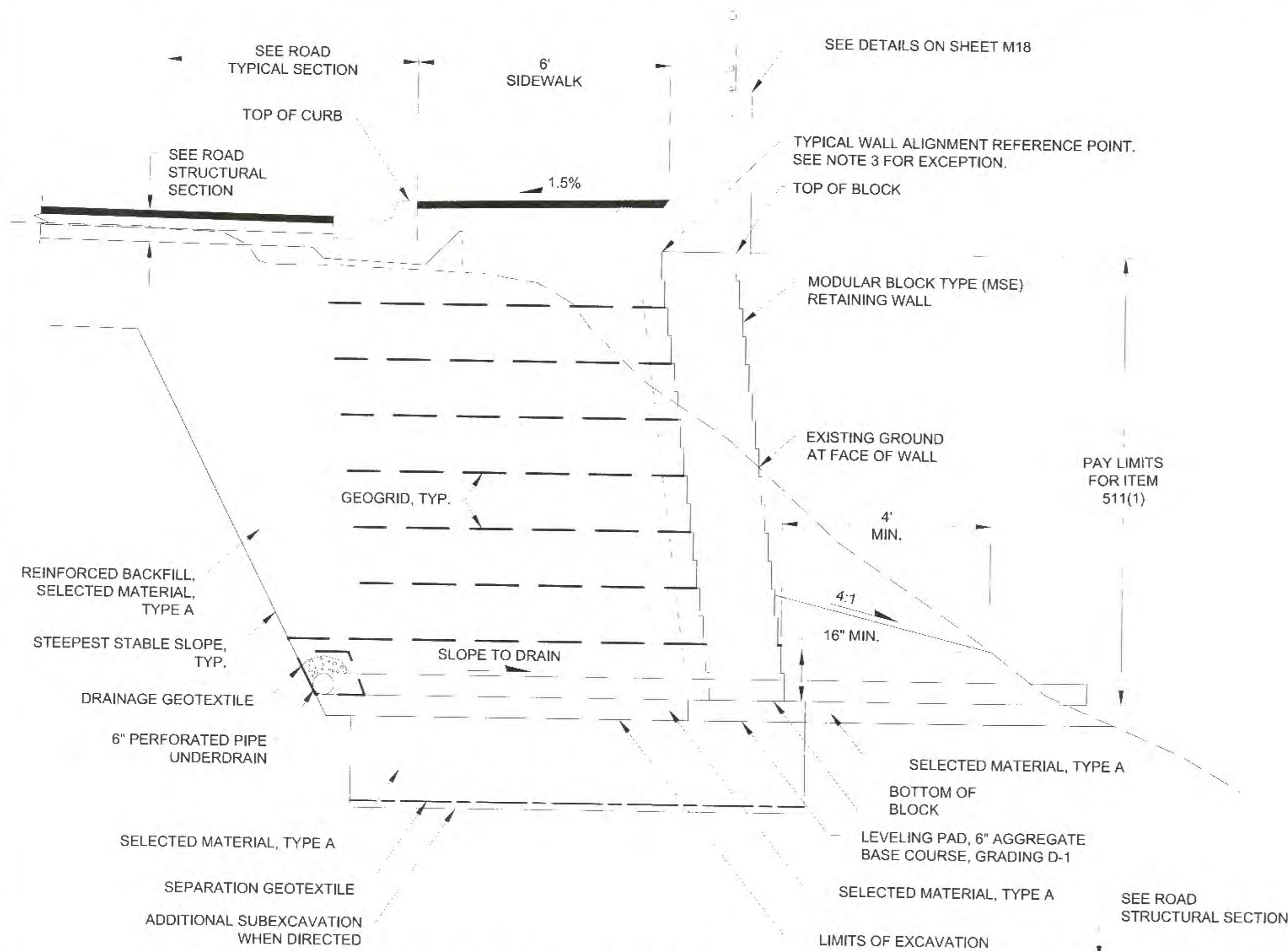
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLANS DEVELOPED BY:
 S'ANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907 276-4245
 C.A. #126386

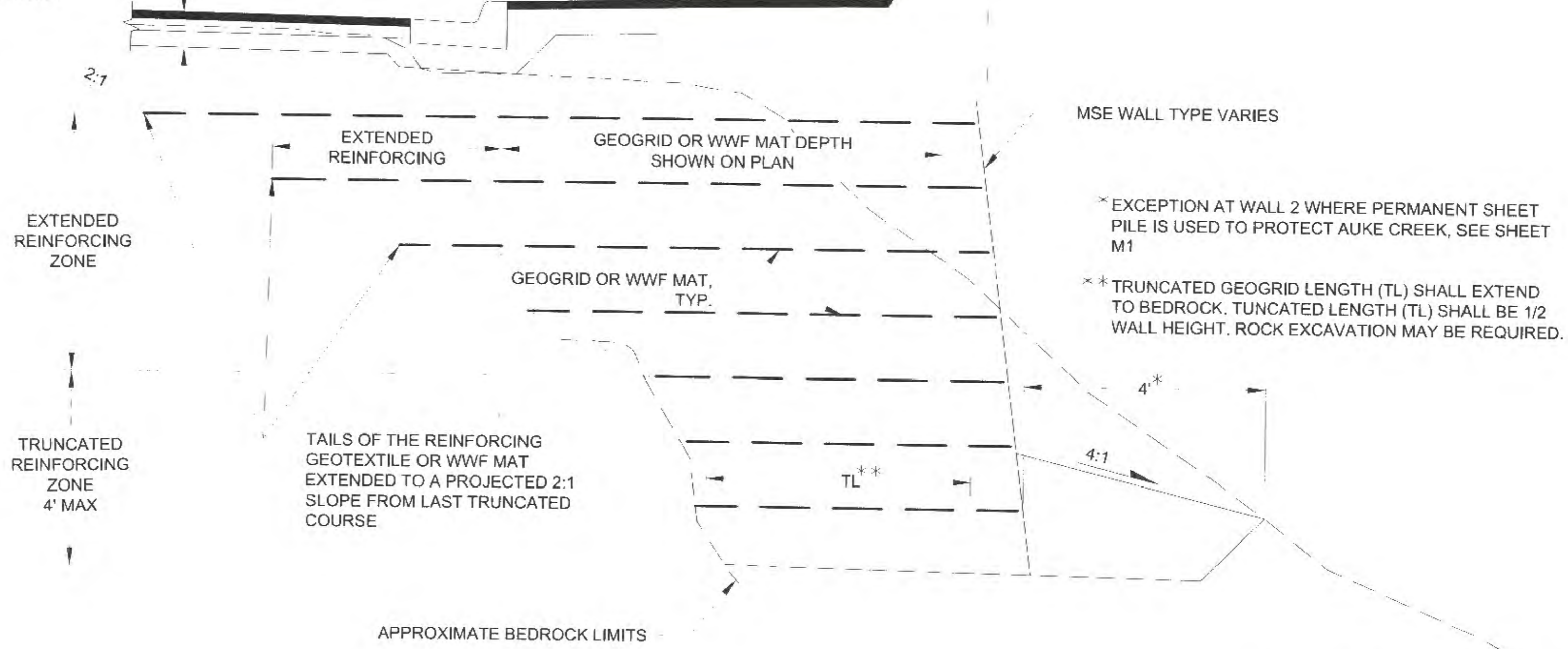
TAB. M12
 ADDENDUM NUMBER
 ATTACHMENT NUMBER
 RECORD OF REVISIONS
 No. DATE DESCRIPTION

RETAINING WALL ESTIMATED SUBEXCAVATION SUMMARY

WALL #	BEGIN	END	DEPTH (FT)
2	86+50	87+00	4.0
2	87+00	89+10	1.0
5	91+94	95+93	5.0
6A	95+65	97+40	2.0
7	104+87	105+80	5.0
9	110+74	117+04	5.0
13	138+00	139+20	6.0



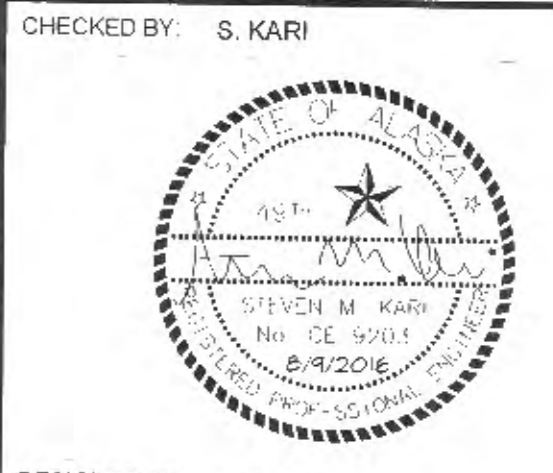
MECHANICALLY STABILIZED EARTH (MSE) WALL CONCRETE FACED
 WALLS 8, 9, & 13



TRUNCATED BASE MSE WALL
 WHERE BEDROCK IS ENCOUNTERED WITHIN THE PLANNED REINFORCING ZONE

- NOTES:
- TOP OF WALL TREATMENTS VARY, SEE DETAILS ON SHEET M16.
 - REVEGETATE AT RETAINING WALL TOE WITH TOPSOIL AND SEED SUBSIDIARY TO WALL ITEM AT ALL WALLS OR AS DIRECTED BY ENGINEER.
 - THE ALIGNMENT REFERENCE POINT FOR WALL #2 WILL BE AT THE TOP OF THE EXPOSED FACE OF THE WALL.

RETAINING WALL DETAILS



CHECKED BY: S. KARI
 DESIGNED BY: B. HOPPER
 DRAWN BY: B. PADDOCK
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHWEST REGION
 GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

RETAINING WALL DETAILS

PROJECT DESIGNATION
0933039/2684710000
 STATE: ALASKA
 YEAR: 2016
 SHEET NUMBER: M12
 TOTAL SHEETS: 145

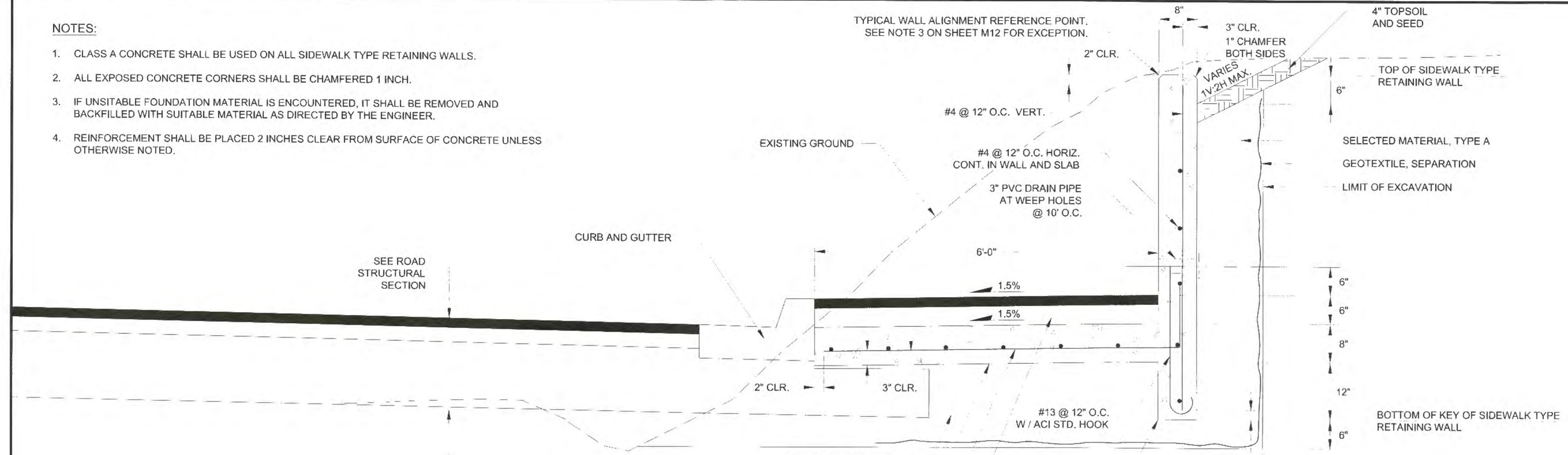
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2017\00154\DWGS\CIS\SHETS\1268400_M12.DWG

NOTES:

1. CLASS A CONCRETE SHALL BE USED ON ALL SIDEWALK TYPE RETAINING WALLS.
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1 INCH.
3. IF UNSUITABLE FOUNDATION MATERIAL IS ENCOUNTERED, IT SHALL BE REMOVED AND BACKFILLED WITH SUITABLE MATERIAL AS DIRECTED BY THE ENGINEER.
4. REINFORCEMENT SHALL BE PLACED 2 INCHES CLEAR FROM SURFACE OF CONCRETE UNLESS OTHERWISE NOTED.

TYPICAL WALL ALIGNMENT REFERENCE POINT. SEE NOTE 3 ON SHEET M12 FOR EXCEPTION.



SIDEWALK TYPE RETAINING WALL

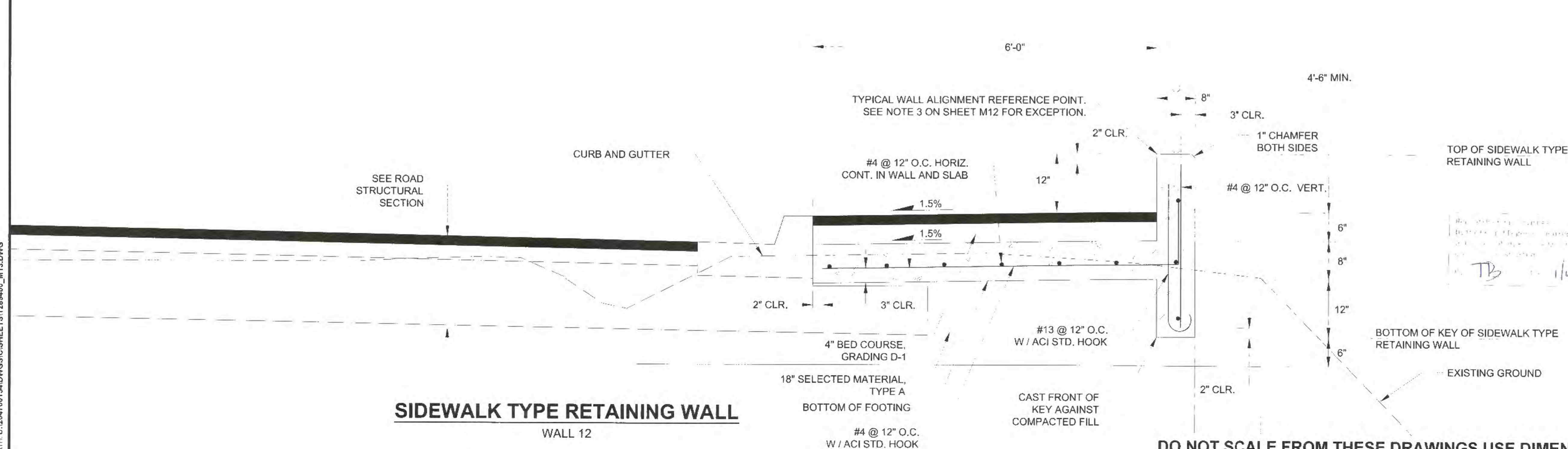
WALLS 7, 10, 14 (DRAW WITH SCOTING)

18" SELECTED MATERIAL, TYPE A
BOTTOM OF FOOTING
#4 @ 12" O.C. W / ACI STD. HOOK
4" BED COURSE, GRADING D-1

CAST FRONT OF KEY AGAINST COMPACTED FILL

PIPE HANDRAIL. SEE DETAILS, SHEET E2

TYPICAL WALL ALIGNMENT REFERENCE POINT. SEE NOTE 3 ON SHEET M12 FOR EXCEPTION.



SIDEWALK TYPE RETAINING WALL

WALL 12

18" SELECTED MATERIAL, TYPE A
BOTTOM OF FOOTING
#4 @ 12" O.C. W / ACI STD. HOOK

CAST FRONT OF KEY AGAINST COMPACTED FILL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

TAB M13
ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

RETAINING WALL DETAILS

CHECKED BY: S. KARI



DESIGNED BY: B. HOPPER
DRAWN BY: B. PADDOCK, T. GALAMBUSH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

RETAINING WALL DETAILS

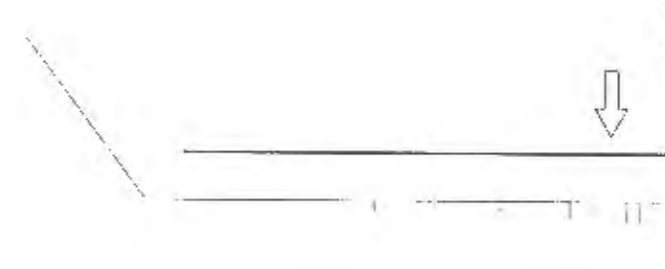
PROJECT DESIGNATION
0933039/Z684710000

STATE: ALASKA YEAR: 2016

SHEET NUMBER: M13 TOTAL SHEETS: 145

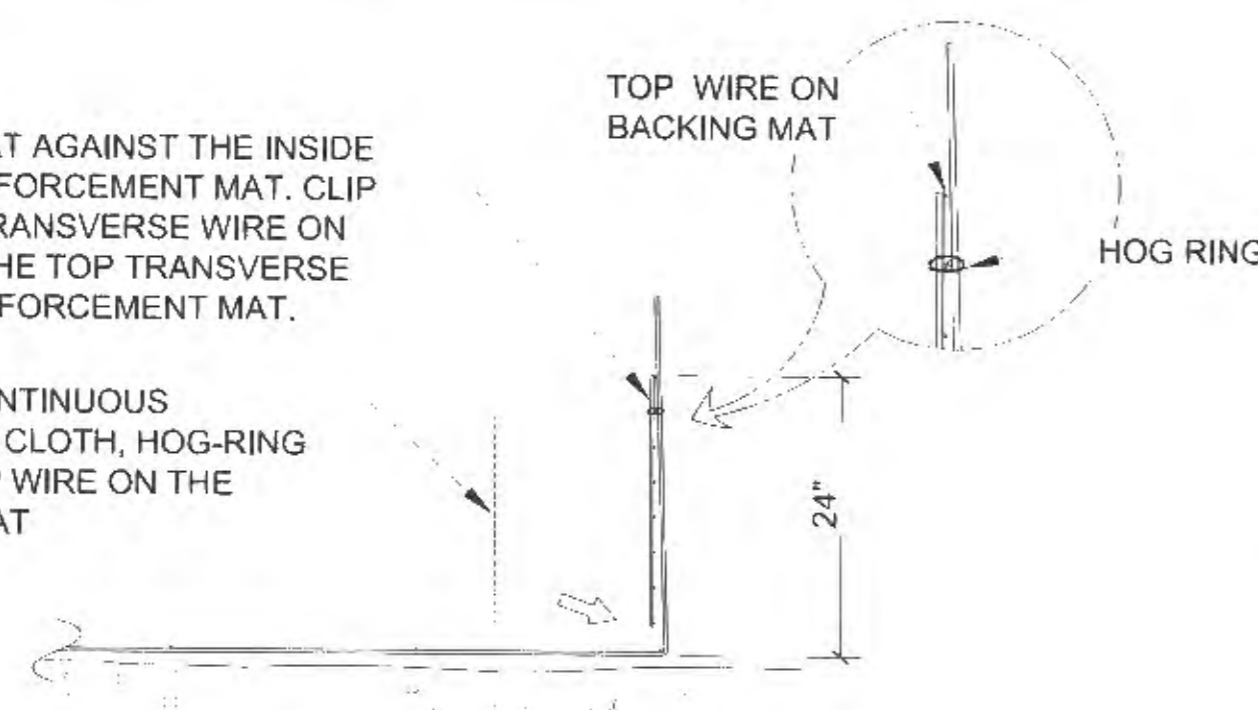
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STEP 1
PLACE THE FIRST COURSE OF SOIL REINFORCEMENT MATS ON PREPARED FOUNDATION.



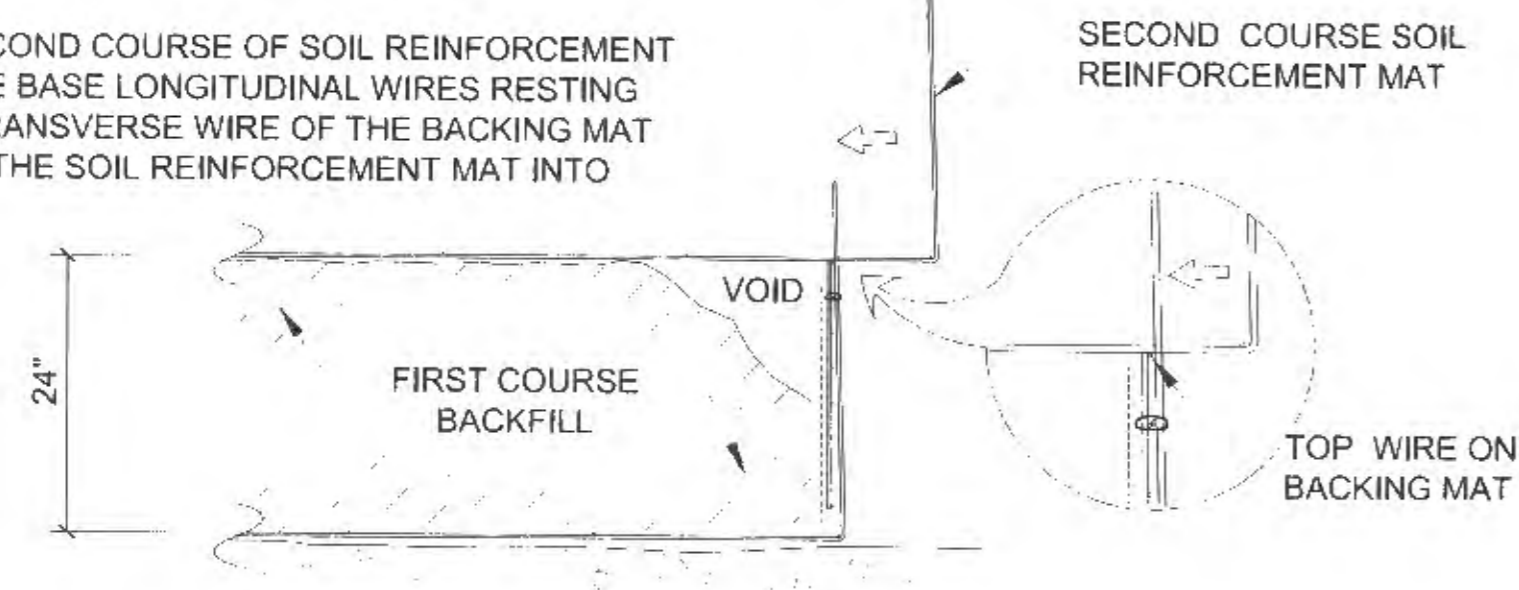
STEP 2
PLACE THE BACKING MAT AGAINST THE INSIDE FACE OF THE SOIL REINFORCEMENT MAT. CLIP THE SECOND-TO-TOP TRANSVERSE WIRE ON THE BACKING MAT TO THE TOP TRANSVERSE WIRE ON THE SOIL REINFORCEMENT MAT.

INSTALL CONTINUOUS HARDWARE CLOTH, HOG-RING TO THE TOP WIRE ON THE BACKING MAT

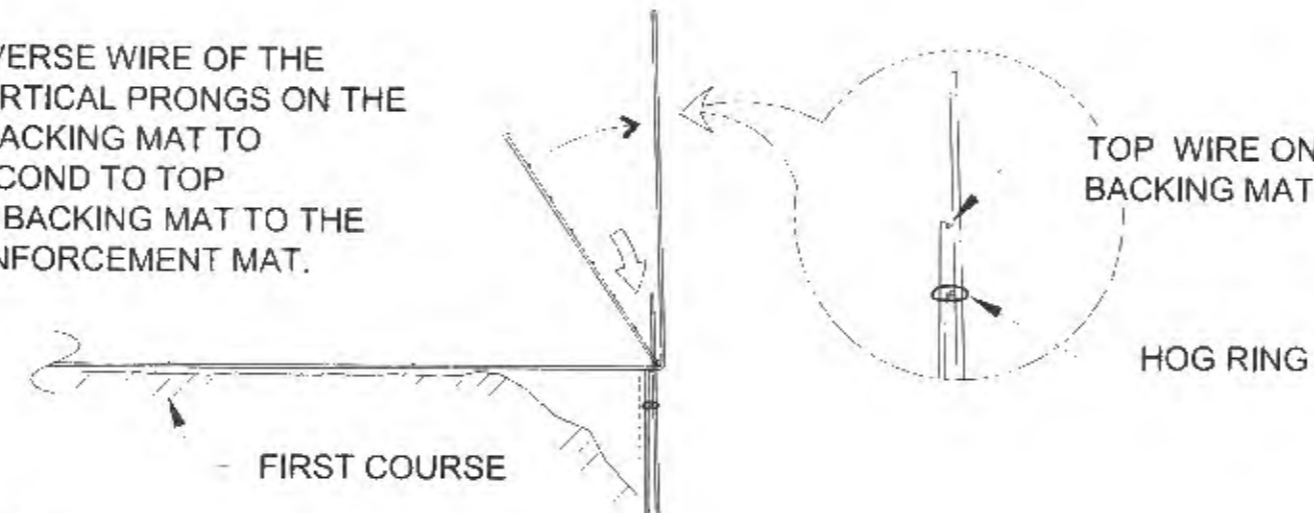


STEP 3
PLACE AND COMPACT THE BACKFILL IN LAYERS AND DENSITIES AS SPECIFIED IN THE PROJECT SPECIFICATIONS. LEAVE A VOID AT THE FACE AS SHOWN.

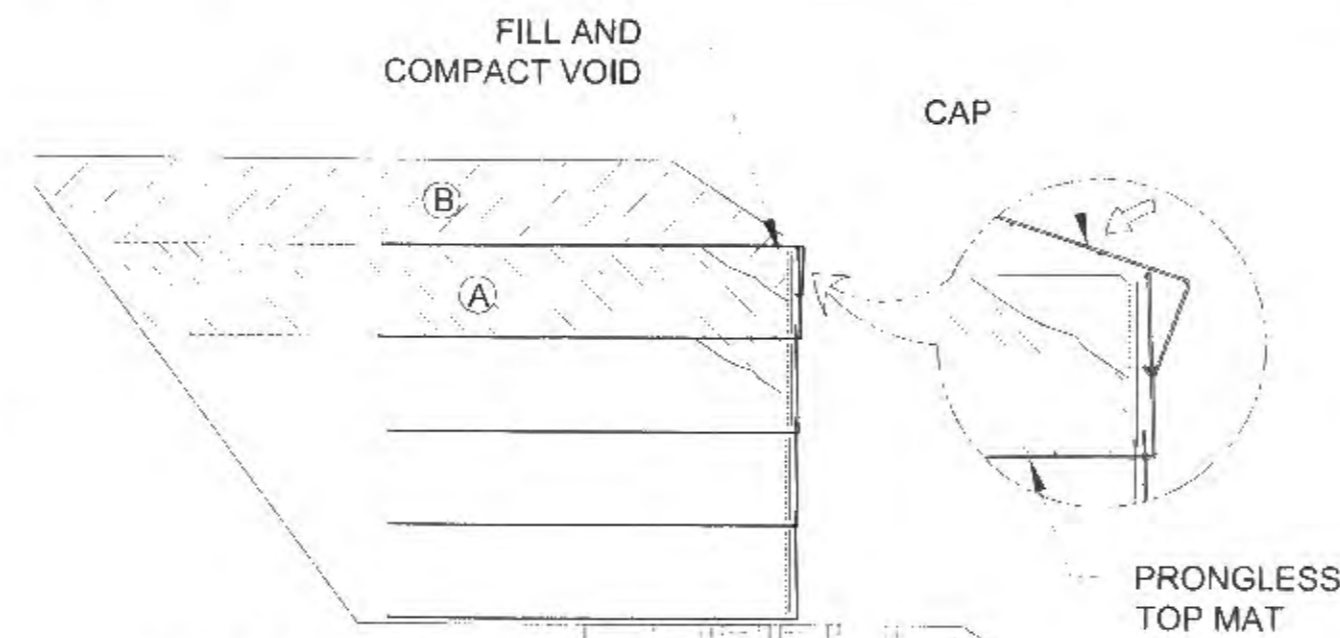
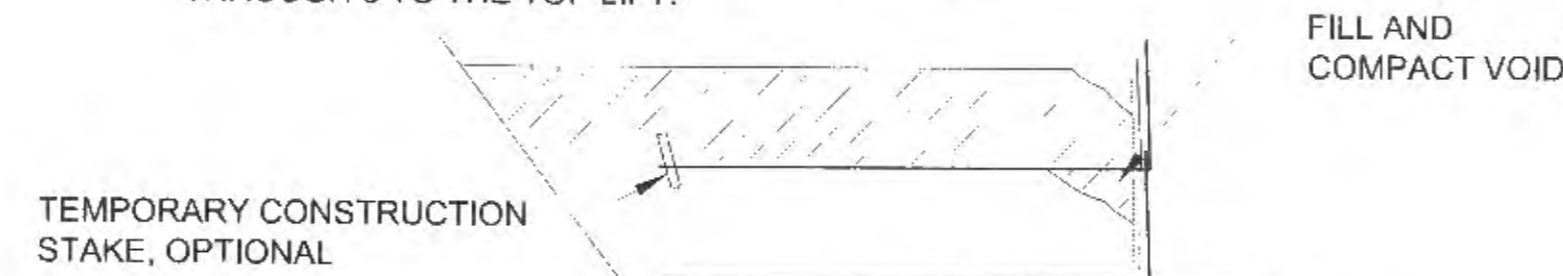
PLACE THE SECOND COURSE OF SOIL REINFORCEMENT MATS WITH THE BASE LONGITUDINAL WIRES RESTING ON THE TOP TRANSVERSE WIRE OF THE BACKING MAT BELOW. SLIDE THE SOIL REINFORCEMENT MAT INTO ALIGNMENT.



STEP 4
HOOK THE BOTTOM TRANSVERSE WIRE OF THE BACKING MAT OVER THE VERTICAL PRONGS ON THE LOWER MAT. ROTATE THE BACKING MAT TO VERTICAL AND CLIP THE SECOND TO TOP TRANSVERSE WIRE ON THE BACKING MAT TO THE TOP WIRE ON THE SOIL REINFORCEMENT MAT.



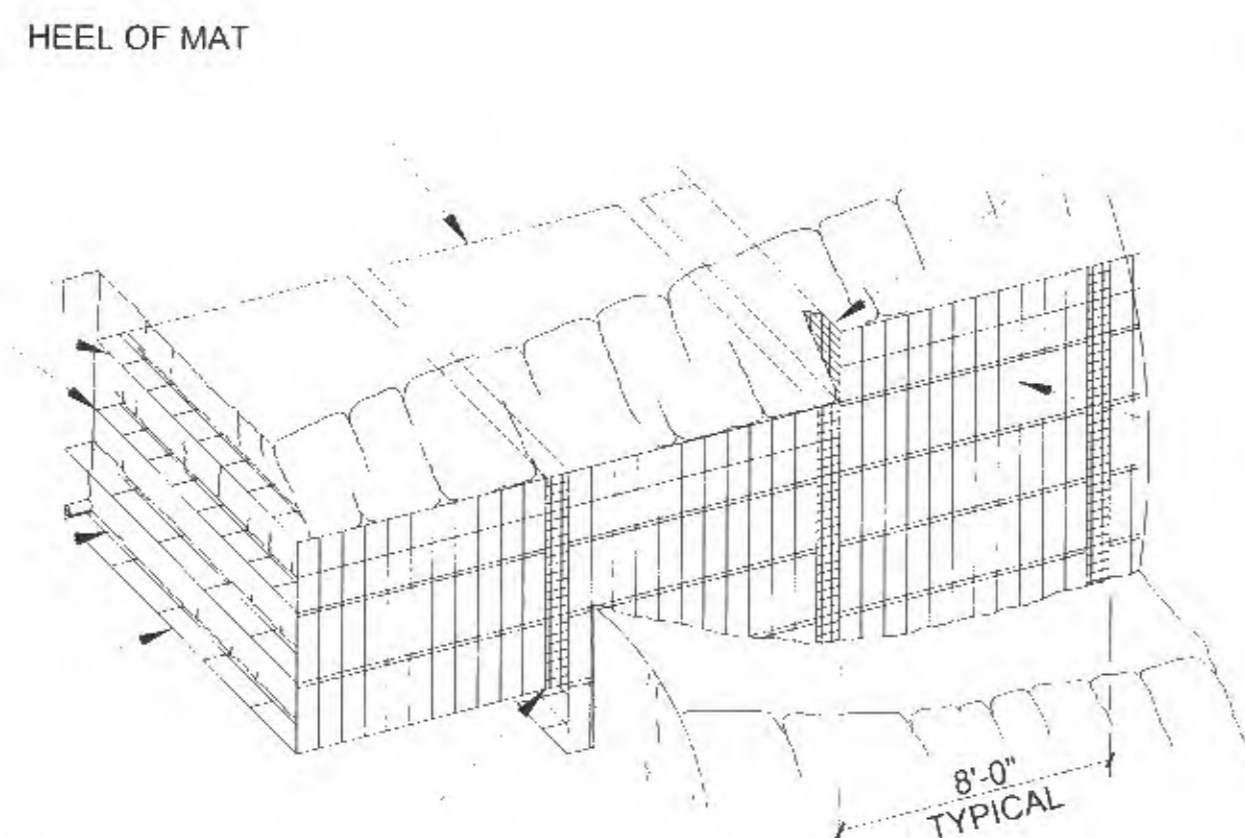
STEP 5
INSTALL THE CONTINUOUS HARDWARE CLOTH. PLACE AND COMPACT THE BACKFILL TO THE BASE ELEVATION OF THE NEXT MAT. REPEAT STEPS 3 THROUGH 5 TO THE TOP LIFT.



STEP 6: TOP LIFT
PLACE THE TOP LIFT PRONGLESS MAT, BACKING MAT AND FILTER CONTINUOUS HARDWARE CLOTH. PLACE AND COMPACT BACKFILL IN AREA "A". HOOK THE CAP OVER THE MIDDLE TRANSVERSE WIRE ON THE PRONGLESS MAT, AND ROTATE INTO PLACE. BACKFILL "B" TO 1'-6" MIN. COVER OVER THE CAP.

CONSTRUCTION SEQUENCE

NOT TO SCALE



PICTORIAL ELEVATION

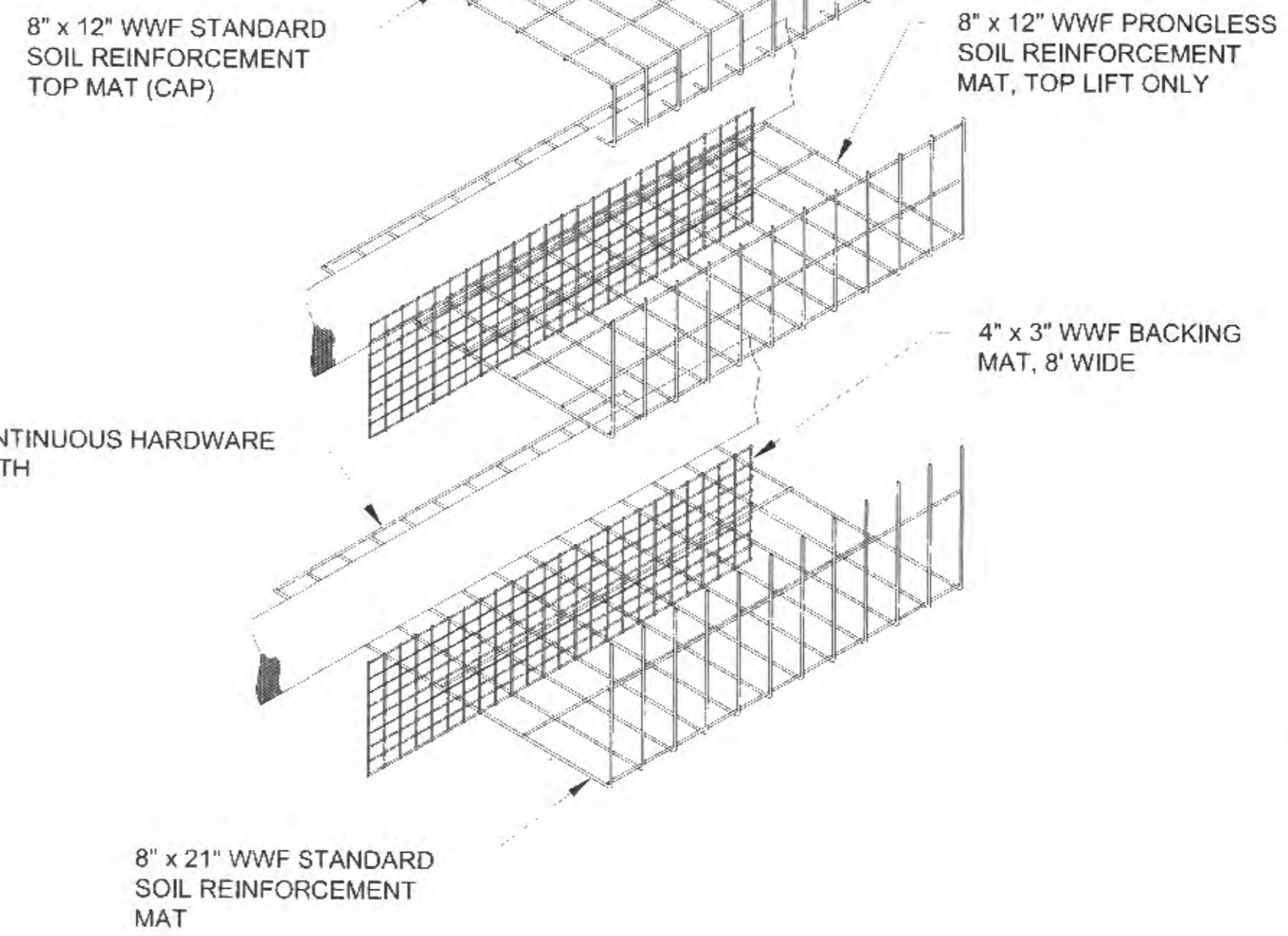
NOT TO SCALE

RETURN BACKING MAT AND CONTINUOUS HARDWARE CLOTH AT EXPOSED END OF TOP LIFTS, TYPICAL.

FACE OF WELDED WIRE WALL

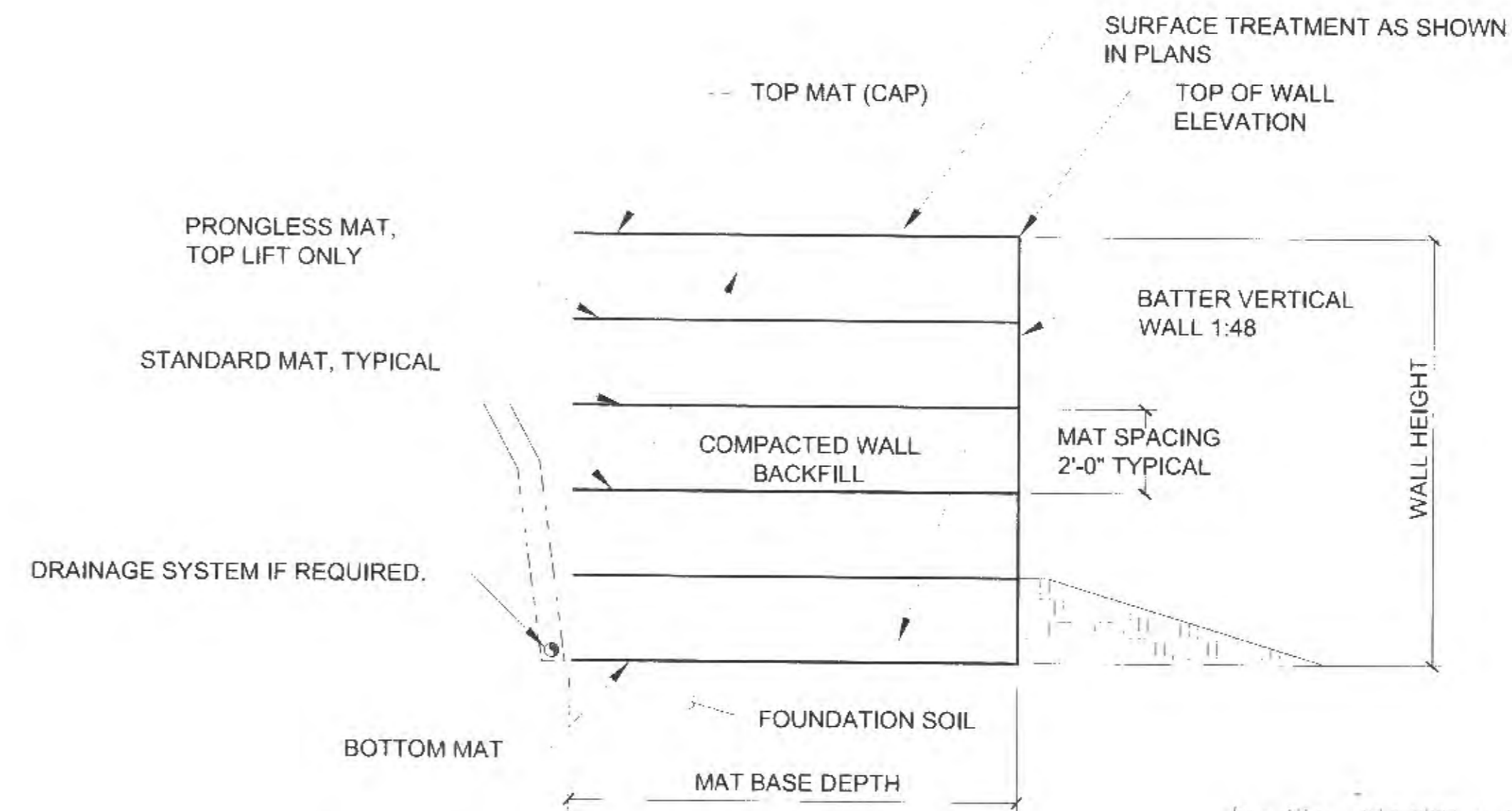
NOTES:

- 1. WWF = WELDED WIRE FABRIC



WALL COMPONENTS

NOT TO SCALE



TYPICAL SECTION

NOT TO SCALE

PLANS DEVELOPED BY:
STANLEY CONSULTING SERVICES, INC.
125 EAST FIREWIND LANE, SUITE 200
ANCHORAGE, AK 99503 2245
907-276-4245
C.A. #126386

TAB: M14

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

RETAINING WALL DETAILS

CHECKED BY: S. KARI



DESIGNED BY: B. HOPPER
DRAWN BY: B. PADDOCK, T. GALAMBUSH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

**RETAINING WALL
DETAILS**

PROJECT DESIGNATION
0933039/Z684710000

STATE: ALASKA YEAR: 2016

SHEET NUMBER: M14 TOTAL SHEETS: 145

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

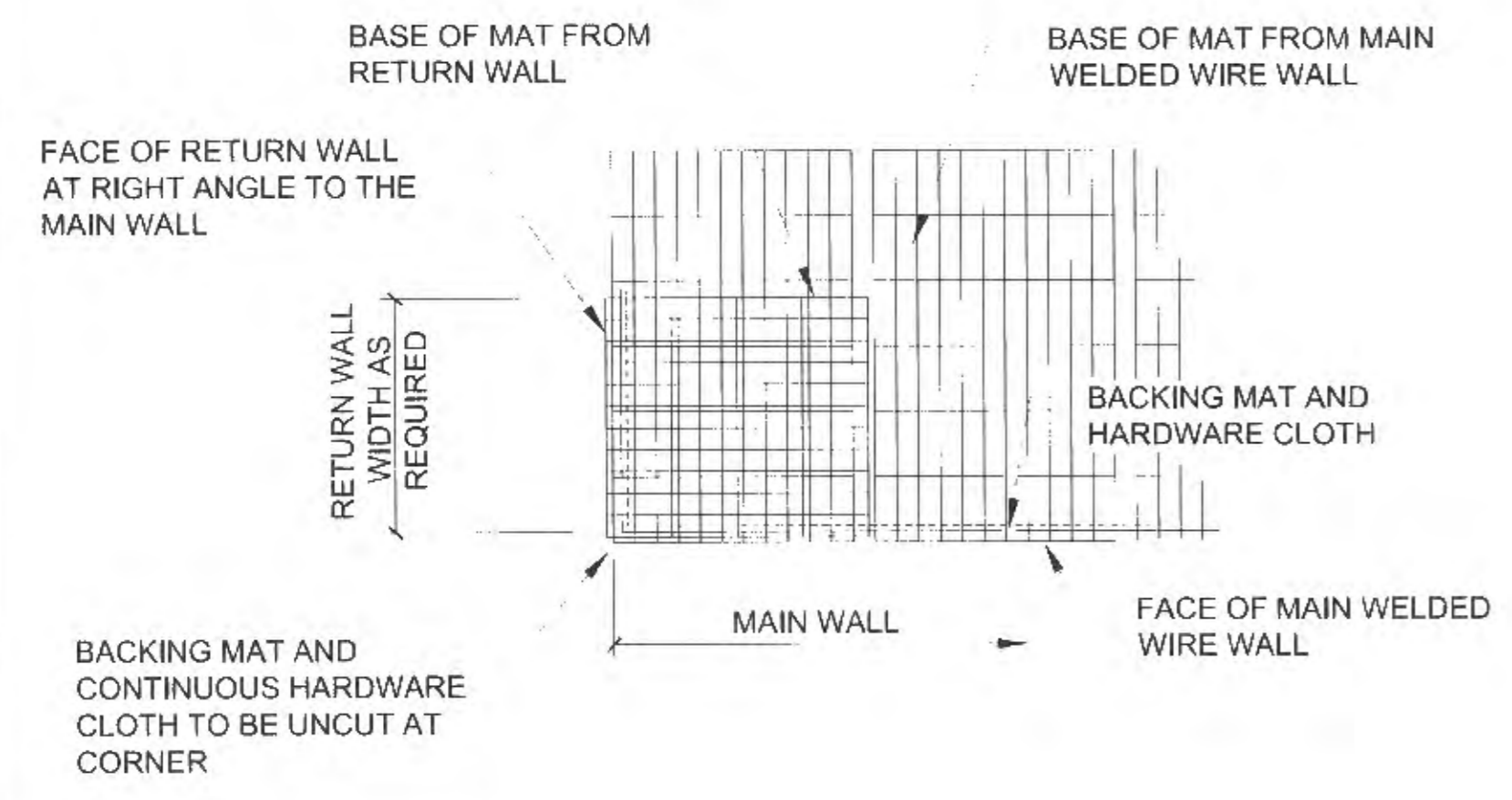
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 1/2 S1 FIREWEED LANE, SU. 11, 200
 ANCHORAGE, AK 99503-2245
 SC/276-4245
 C.A. #126386

TAB M15
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

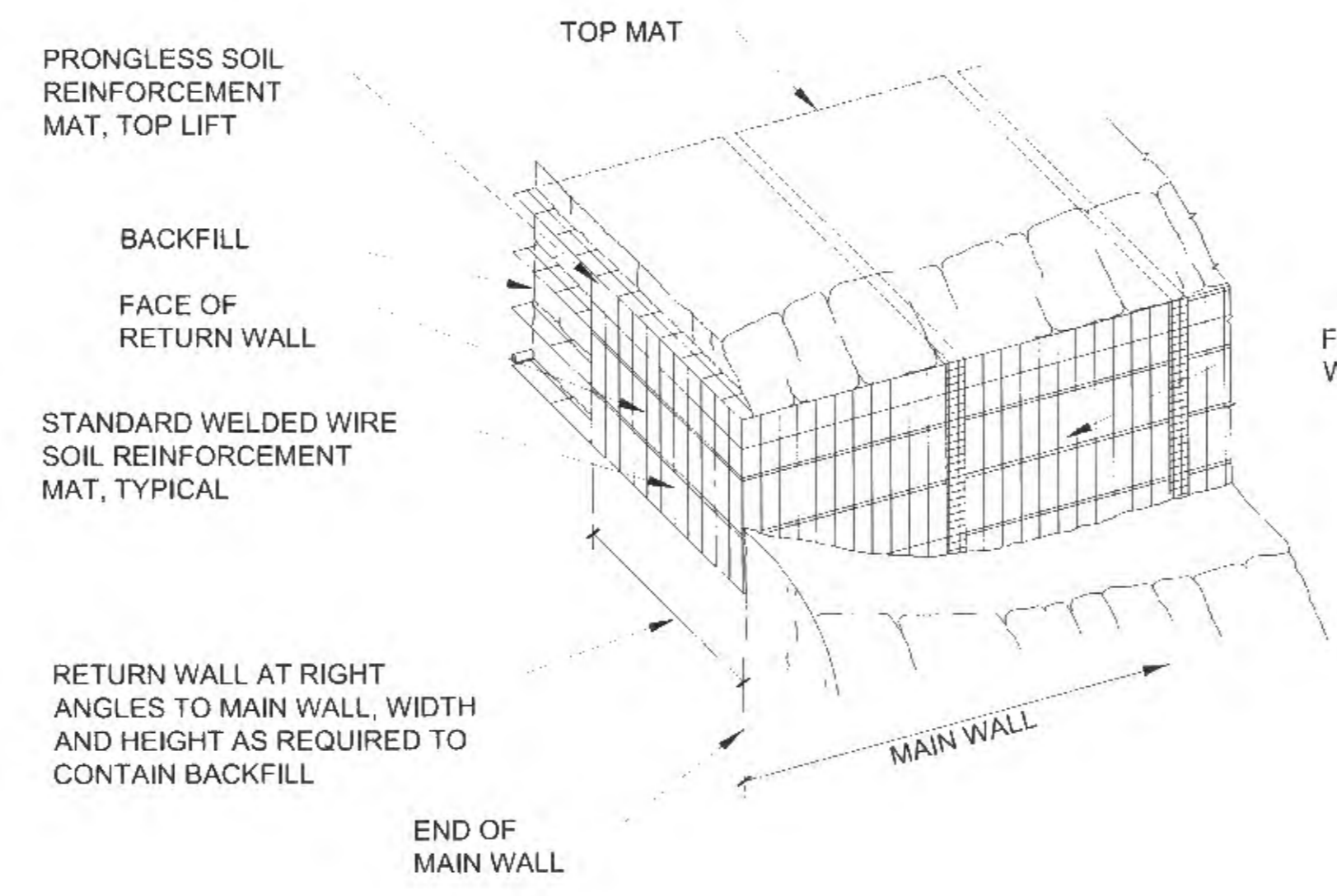
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

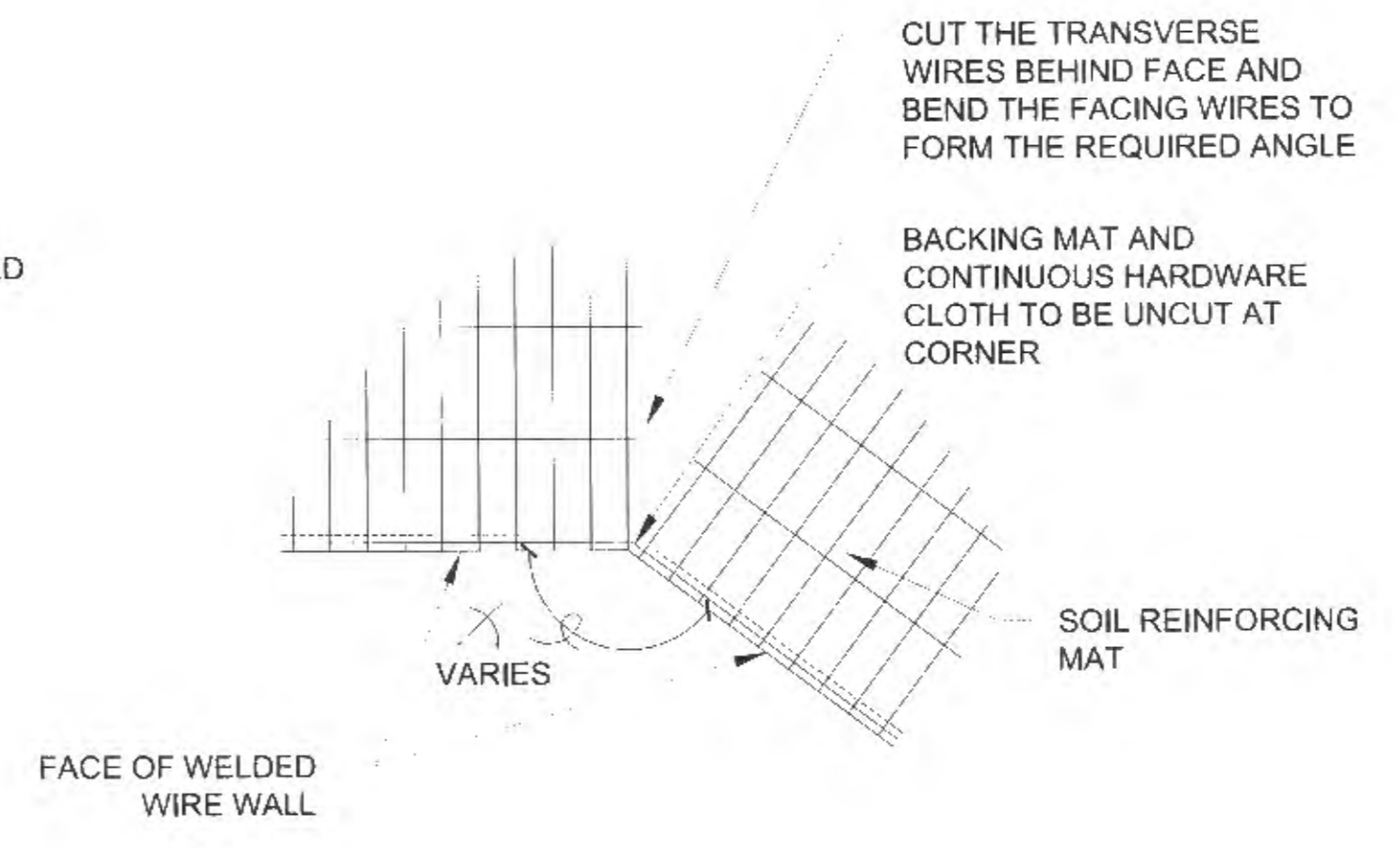
RETAINING WALL DETAILS



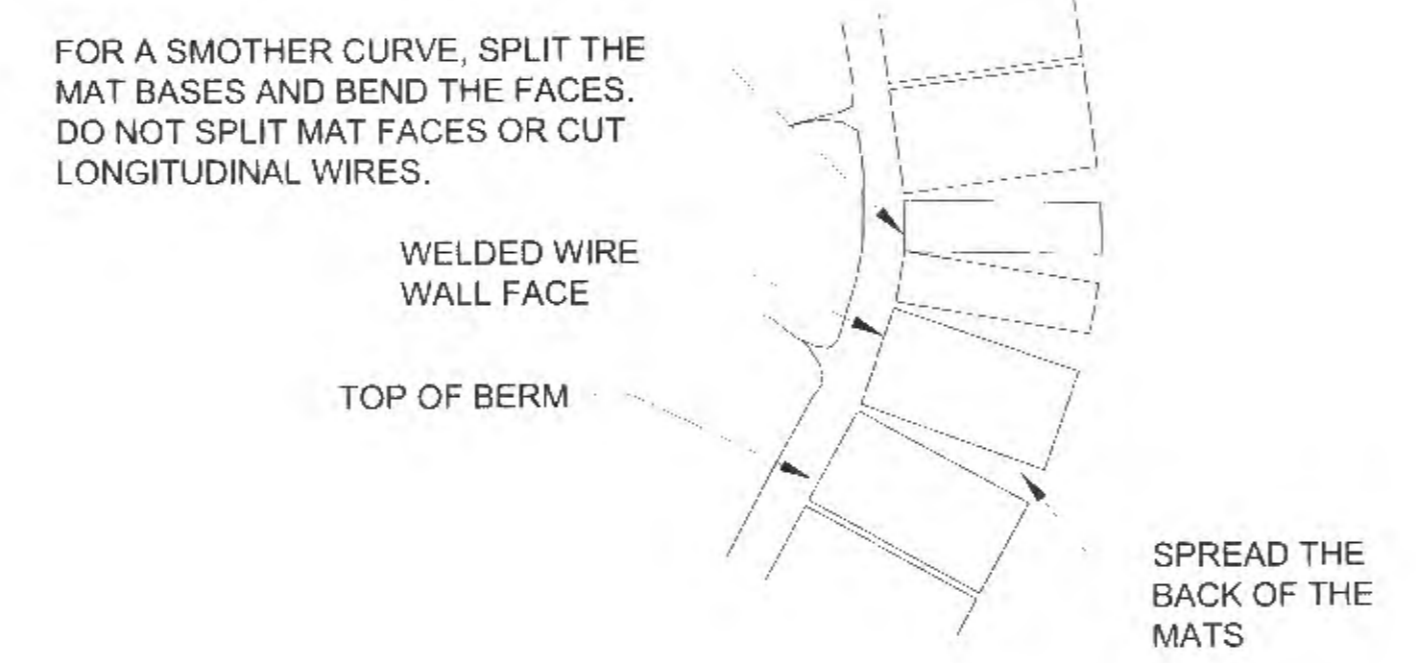
PLAN VIEW
RETURN WALL DETAIL
 NOT TO SCALE



PICTORIAL
RETURN WALL DETAIL
 NOT TO SCALE



PLAN VIEW
CONCAVE ANGLE DETAIL
 NOT TO SCALE



PLAN VIEW
CONCAVE CURVE
 NOT TO SCALE

CHECKED BY: S. KARI

DESIGNED BY: B. HOPPER
 DRAWN BY: B. PADDOCK, T. GALAMBUSH

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

RETAINING WALL DETAILS

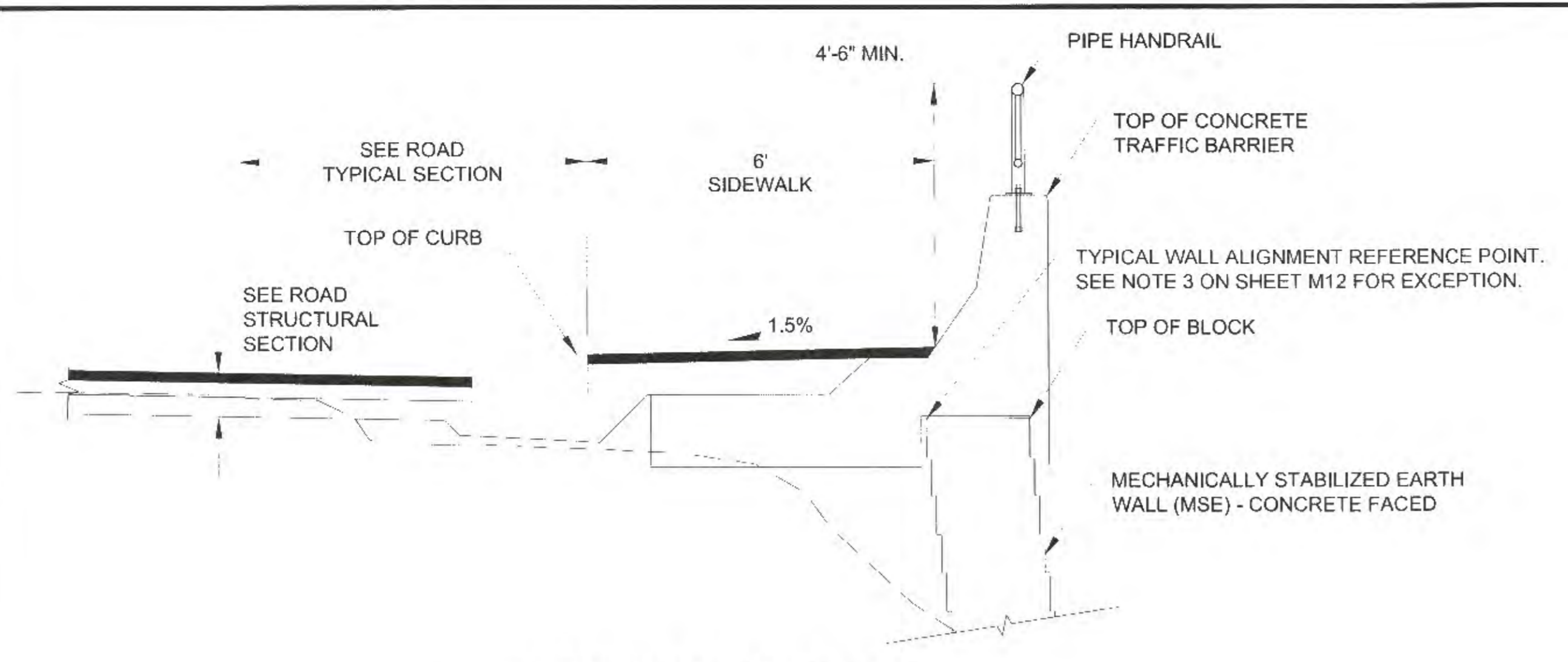
PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M15	145

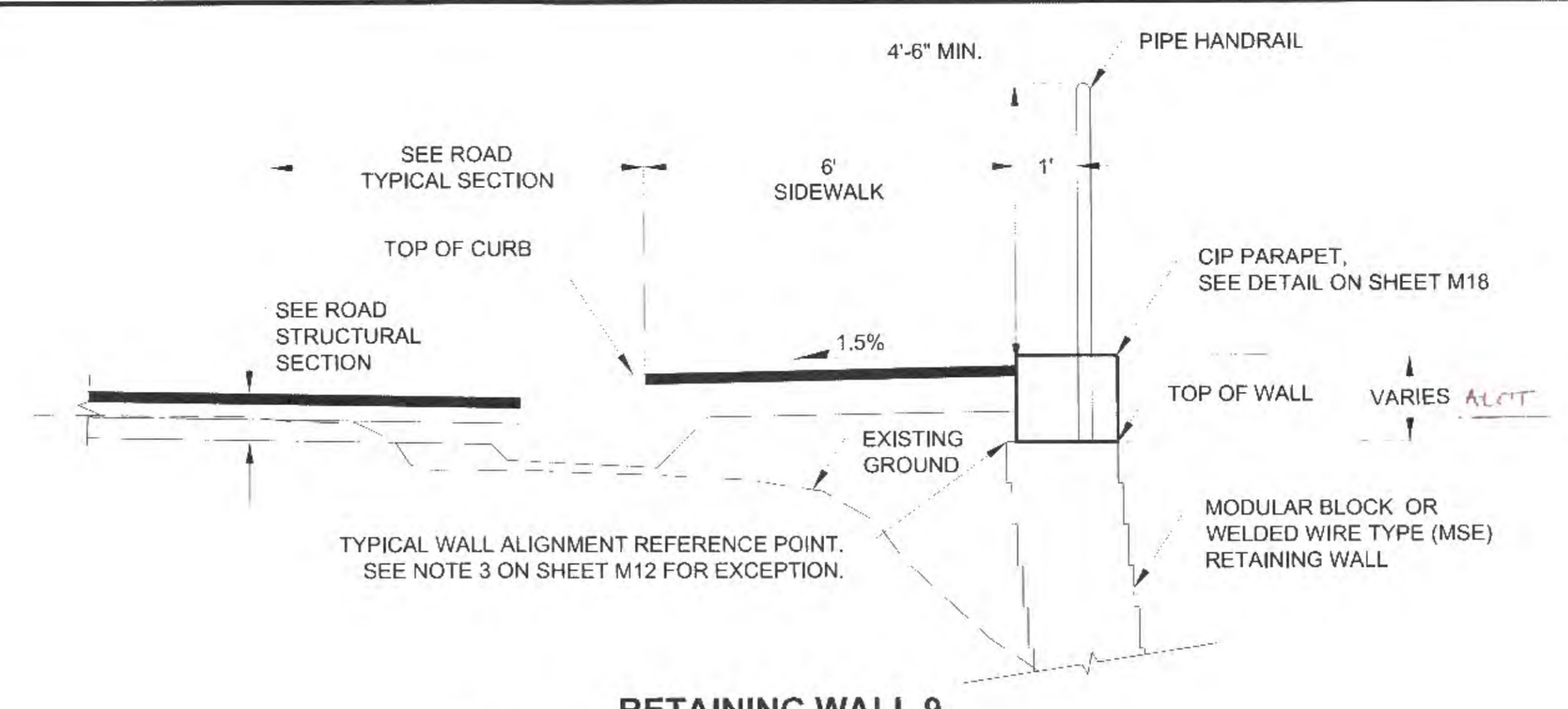
11/10/2016

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

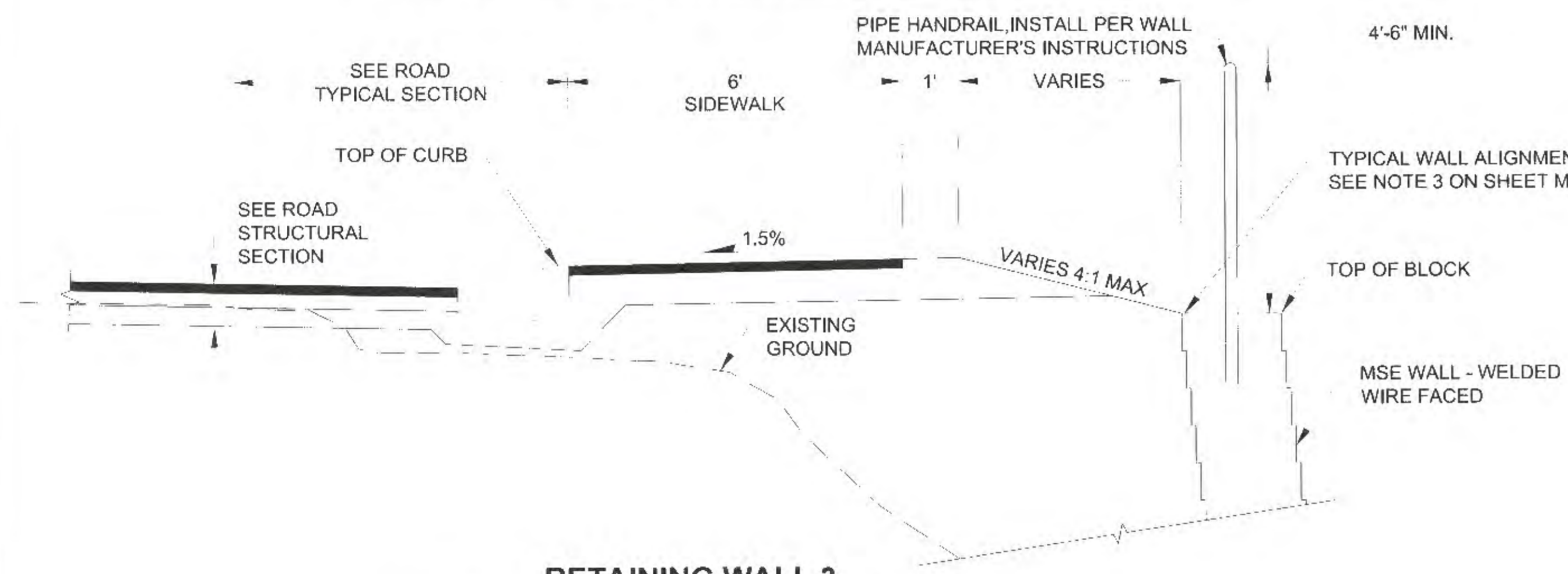
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**RETAINING WALLS 8 & 13
WITH SIDEWALK AND TRAFFIC BARRIER**



**RETAINING WALL 9
WITH SIDEWALK AND PIPE HANDRAIL**



**RETAINING WALL 3
WITH SIDEWALK AND PIPE HANDRAIL**

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. # 12635E

TAB: M16

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

RETAINING WALL DETAILS

CHECKED BY: S. KARI



DESIGNED BY: B. HOPPER

DRAWN BY: B. PADDOCK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHOAST REGION

GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

**RETAINING WALL
DETAILS**

PROJECT DESIGNATION
0933039/Z684710000

STATE YEAR
ALASKA 2016

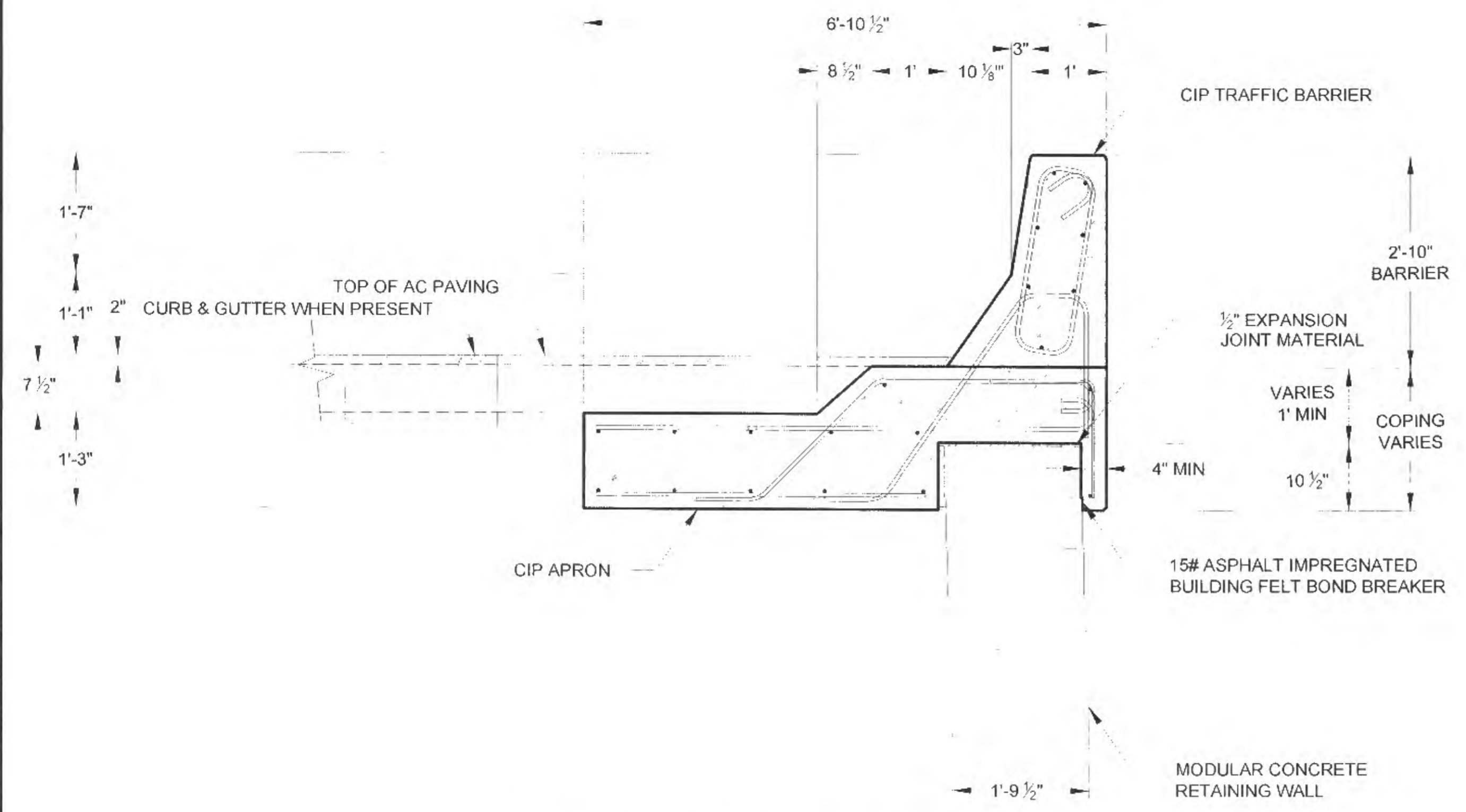
SHEET NUMBER TOTAL SHEETS
M16 145

TB 11/16/2016

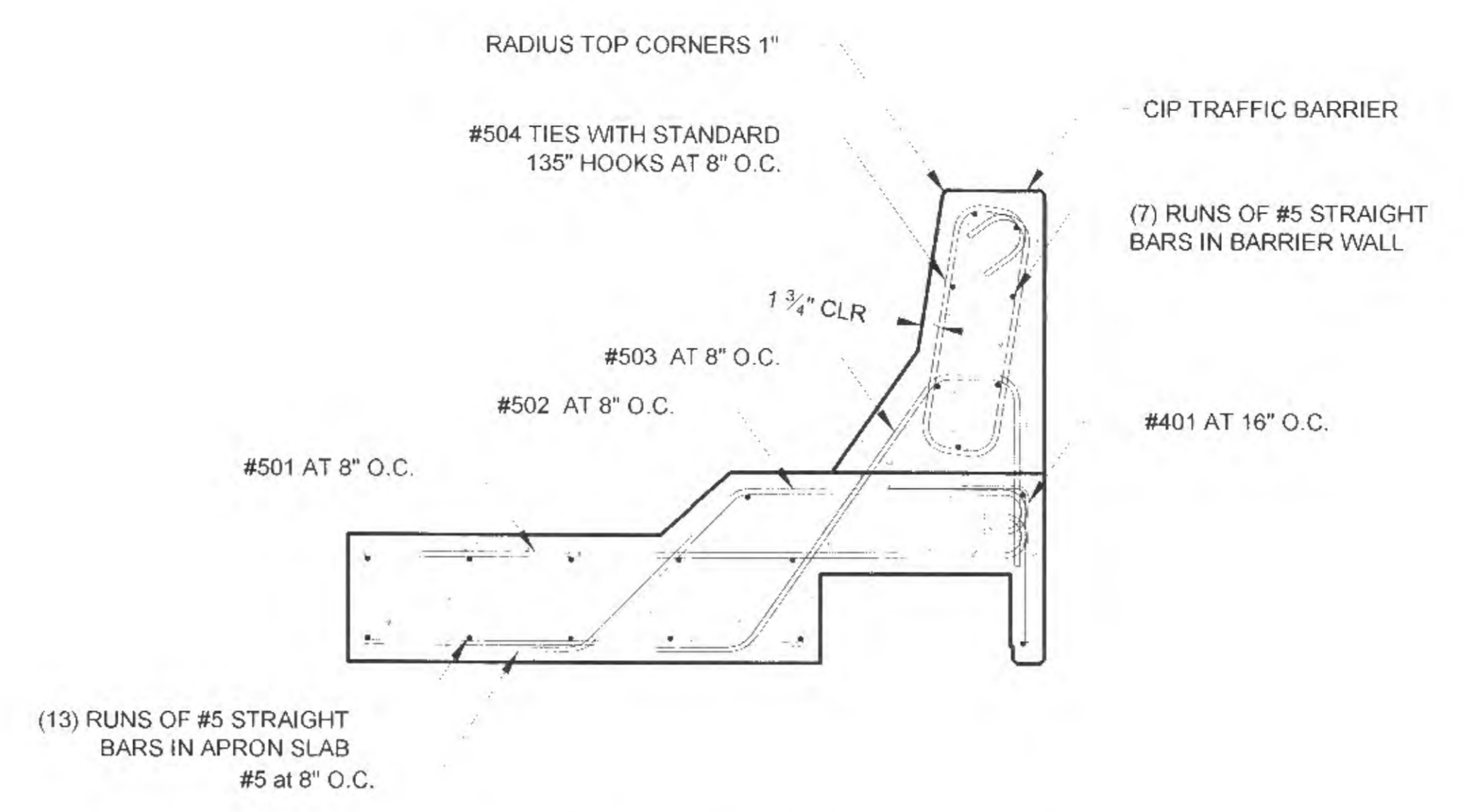
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

No.	DATE	DESCRIPTION

RETAINING WALL DETAILS



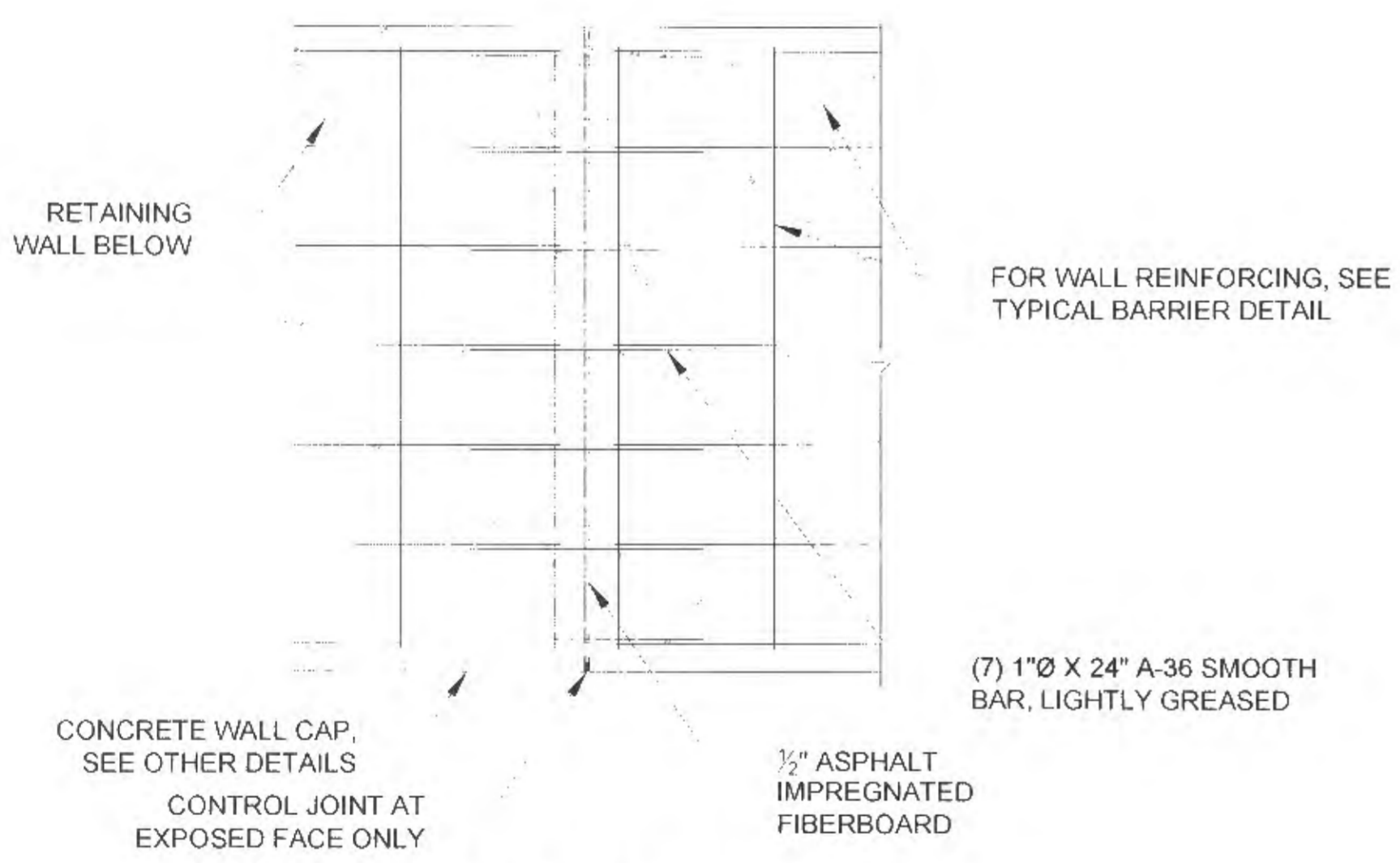
BARRIER SECTION - DIMENSIONS



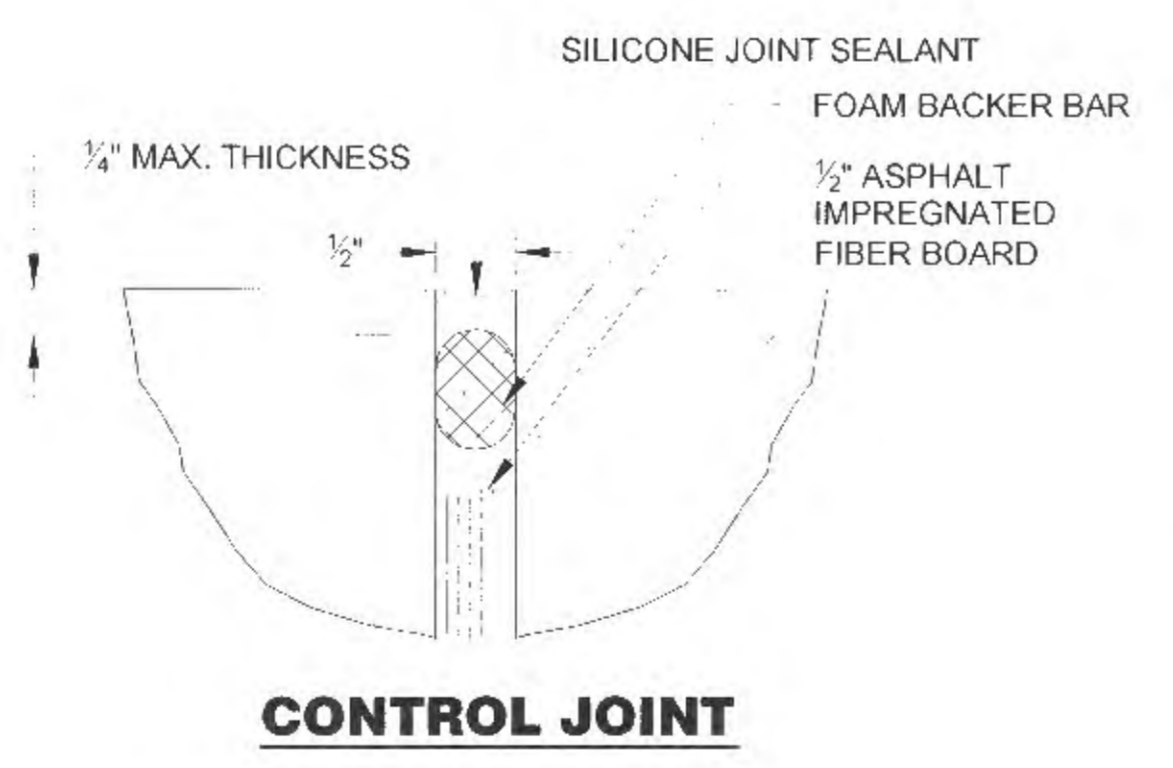
BARRIER SECTION - REINFORCING

ITEM	NO. PIECES	SIZE	LENGTH	BAR MARK	TYPE	BAR LIST														
						A	B	C	D	E	F	G	H	J	K	O	R			
1	5	4-4			STRAIGHT															
2	5	7-4 1/2		501	1	0-5	6-6 1/2												0-5	
3	5	9-0		502	3	0-5	2-10	2-1 1/2	0-10									1-6 1/2	0-5	
4	5	5-7		503	4				0-10	3-3	0-10	2-8								
5	5	7-3		504	T1	0-5	0-9	2-5	0-9	2-5		0-5								
6	4	3-1		401	17		1-6 1/2	1-6 1/2												

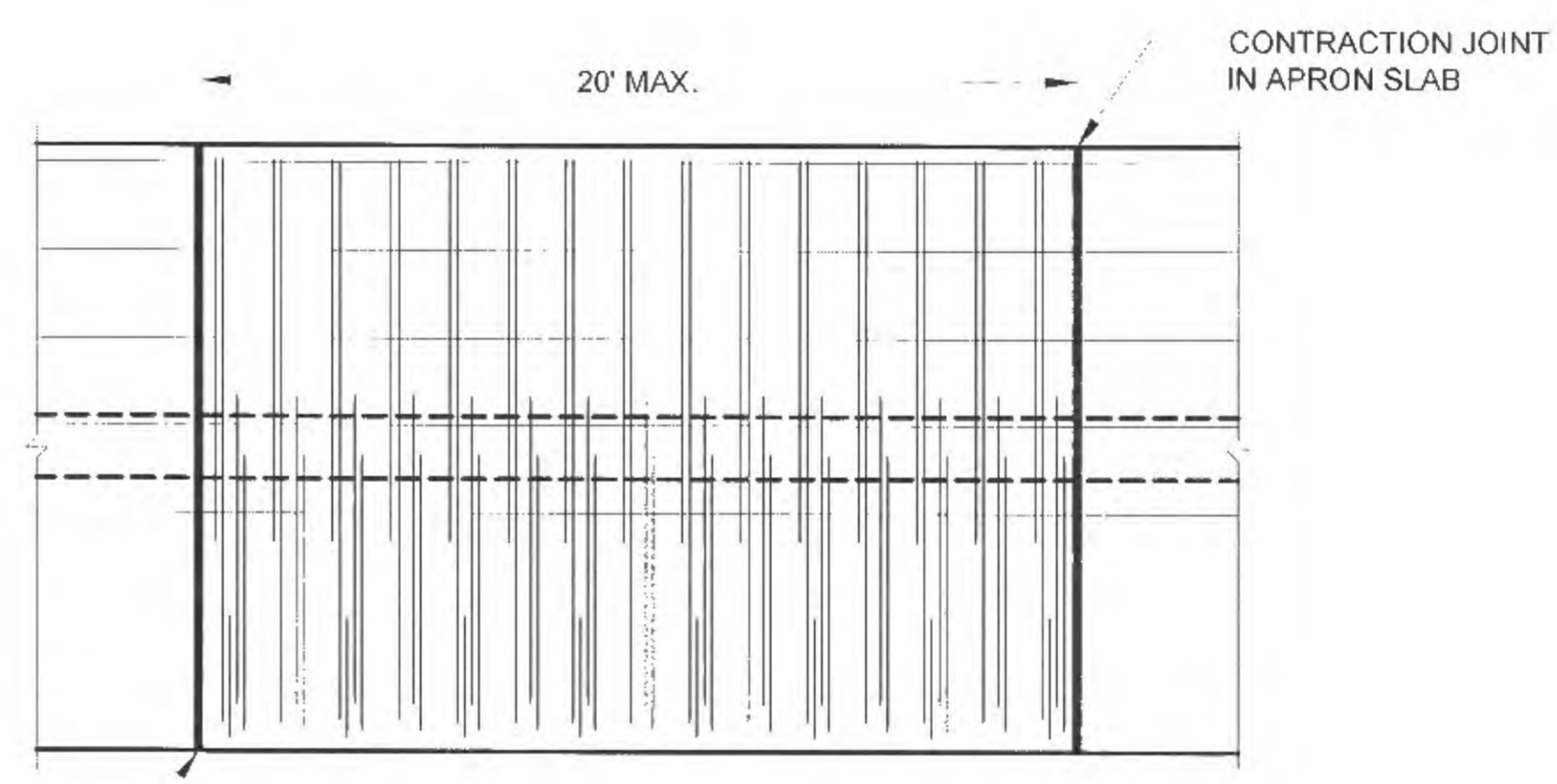
NOTE:
BAR "TYPES" REFER TO CONCRETE REINFORCING STEEL INSTITUTE DETAIL REFERENCE TYPICAL BAR BEND DIAGRAMS.



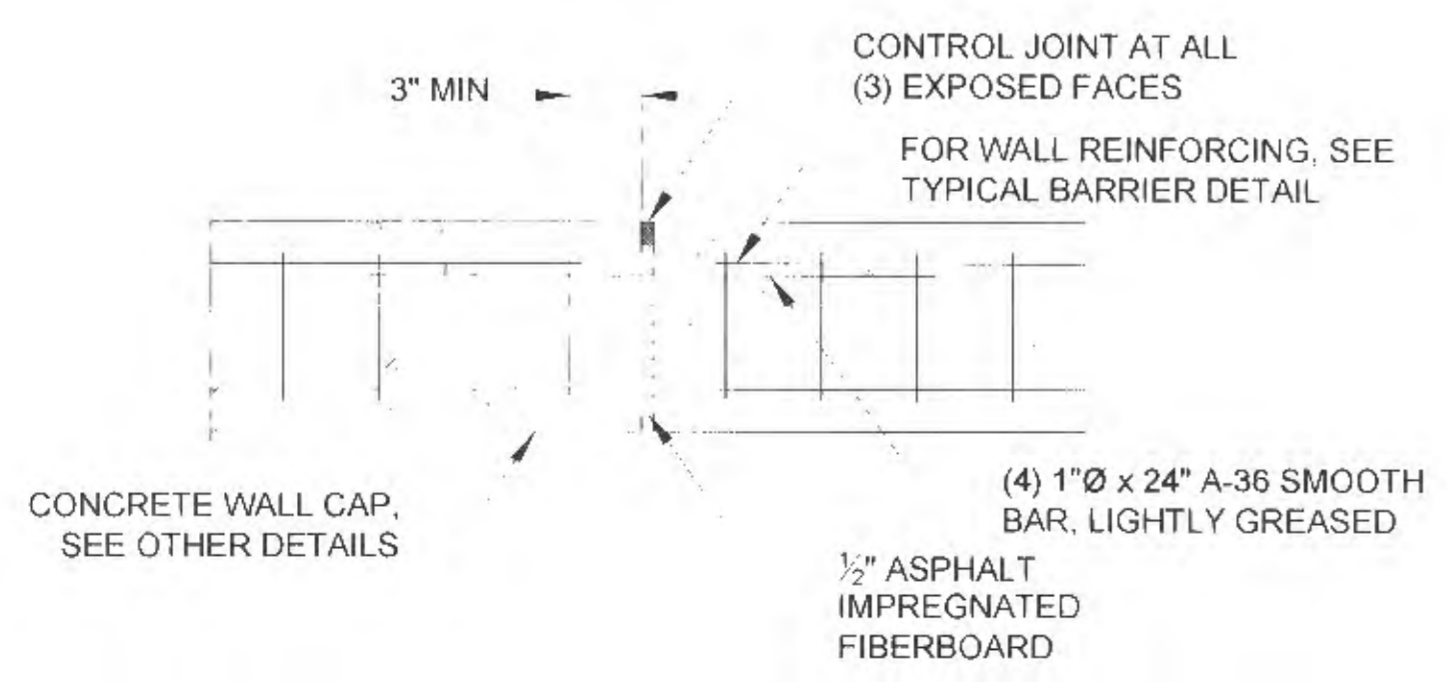
APRON CONTROL JOINT



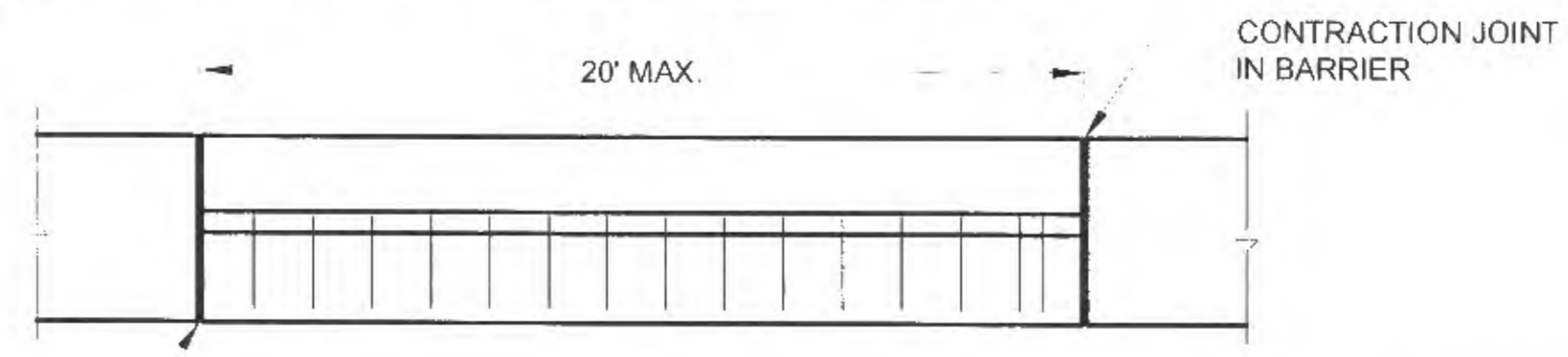
CONTROL JOINT



APRON SLAB REINFORCING PLAN



BARRIER CONTROL JOINT



BARRIER REINFORCING PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI



DESIGNED BY: B. HOPPER
DRAWN BY: B. PADDOCK
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION

RETAINING WALL DETAILS

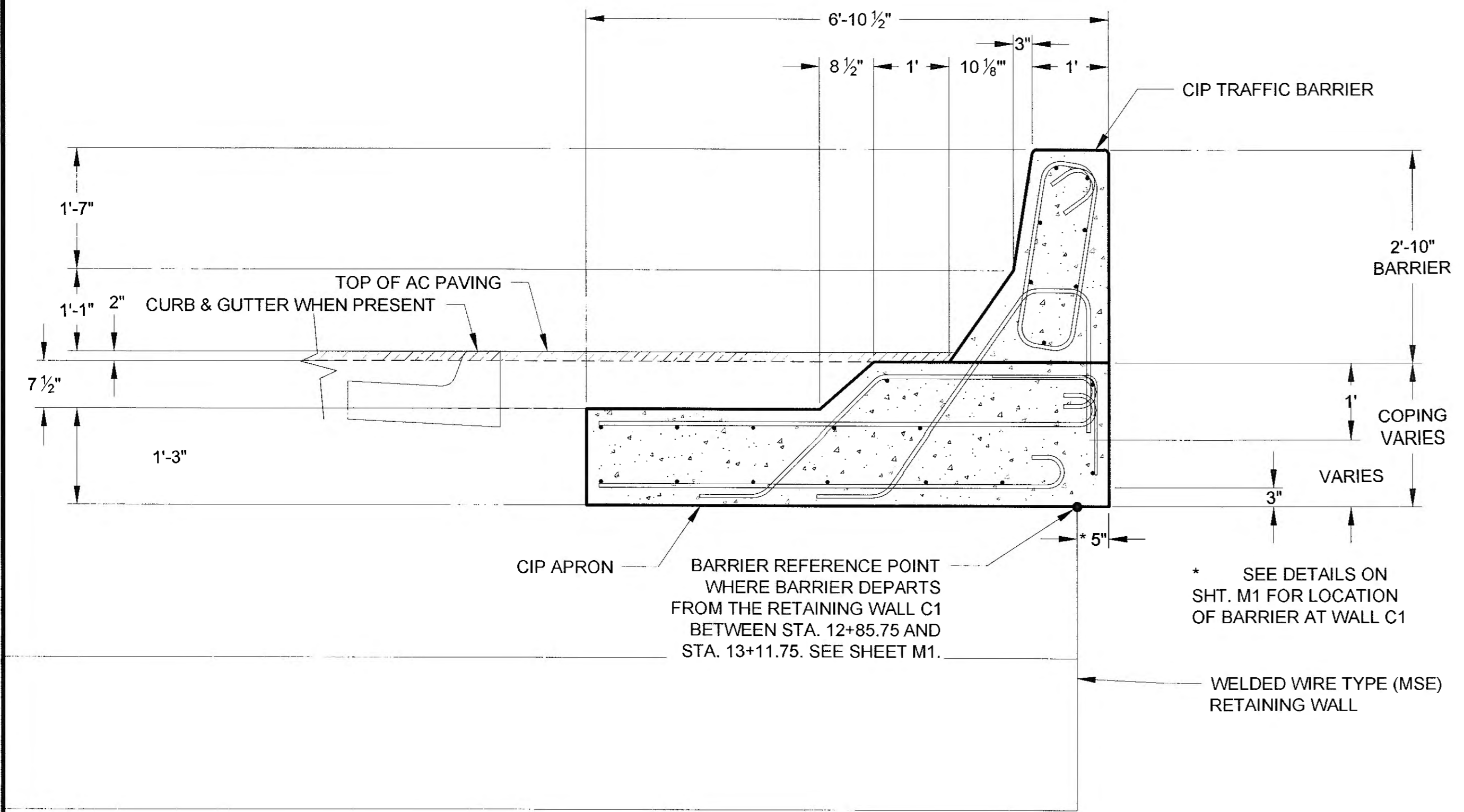
PROJECT DESIGNATION
0933039/Z684710000
STATE: **ALASKA** YEAR: **2016**
SHEET NUMBER: **M17** TOTAL SHEETS: **145**

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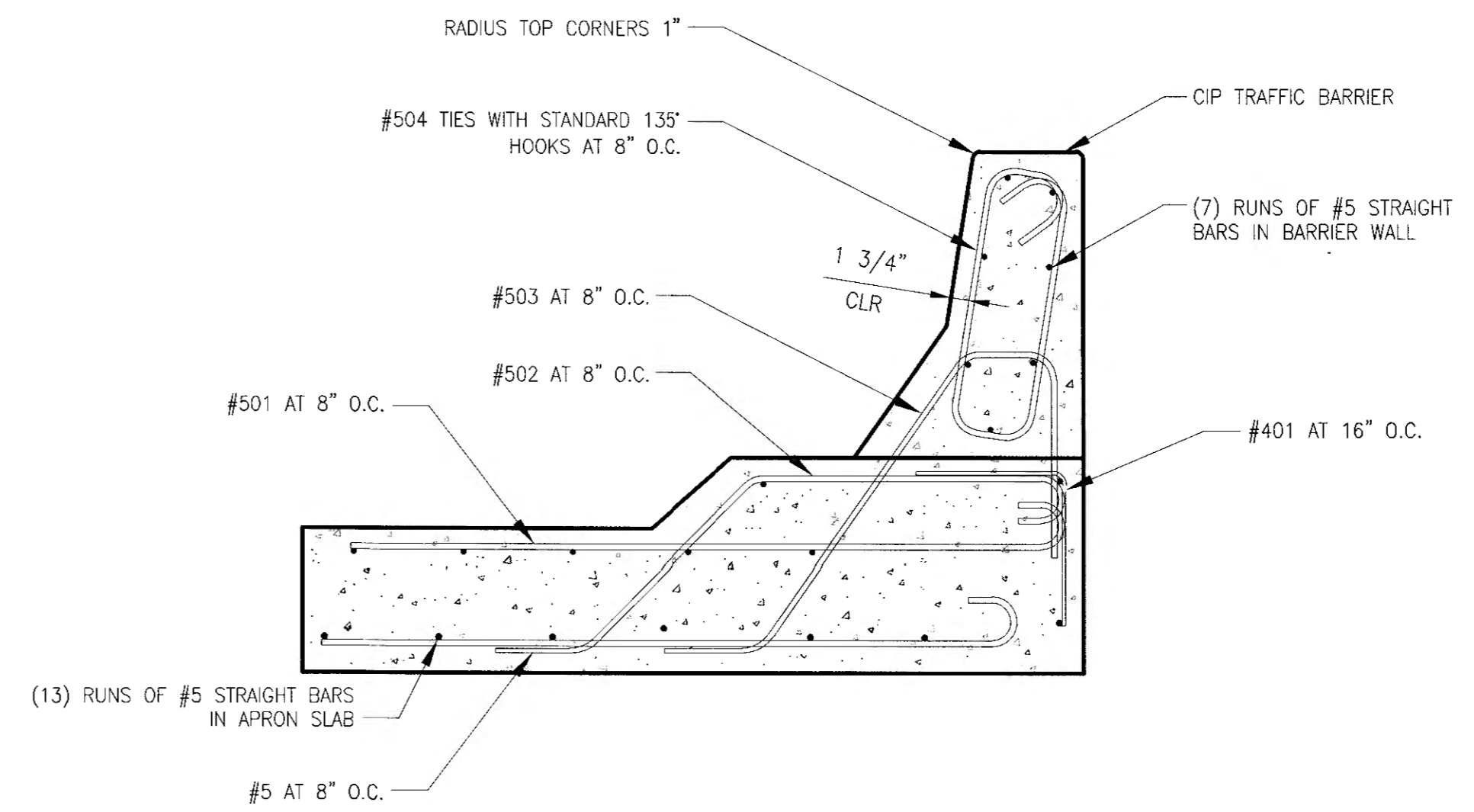
TAB: M18

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

RETAINING WALL DETAILS



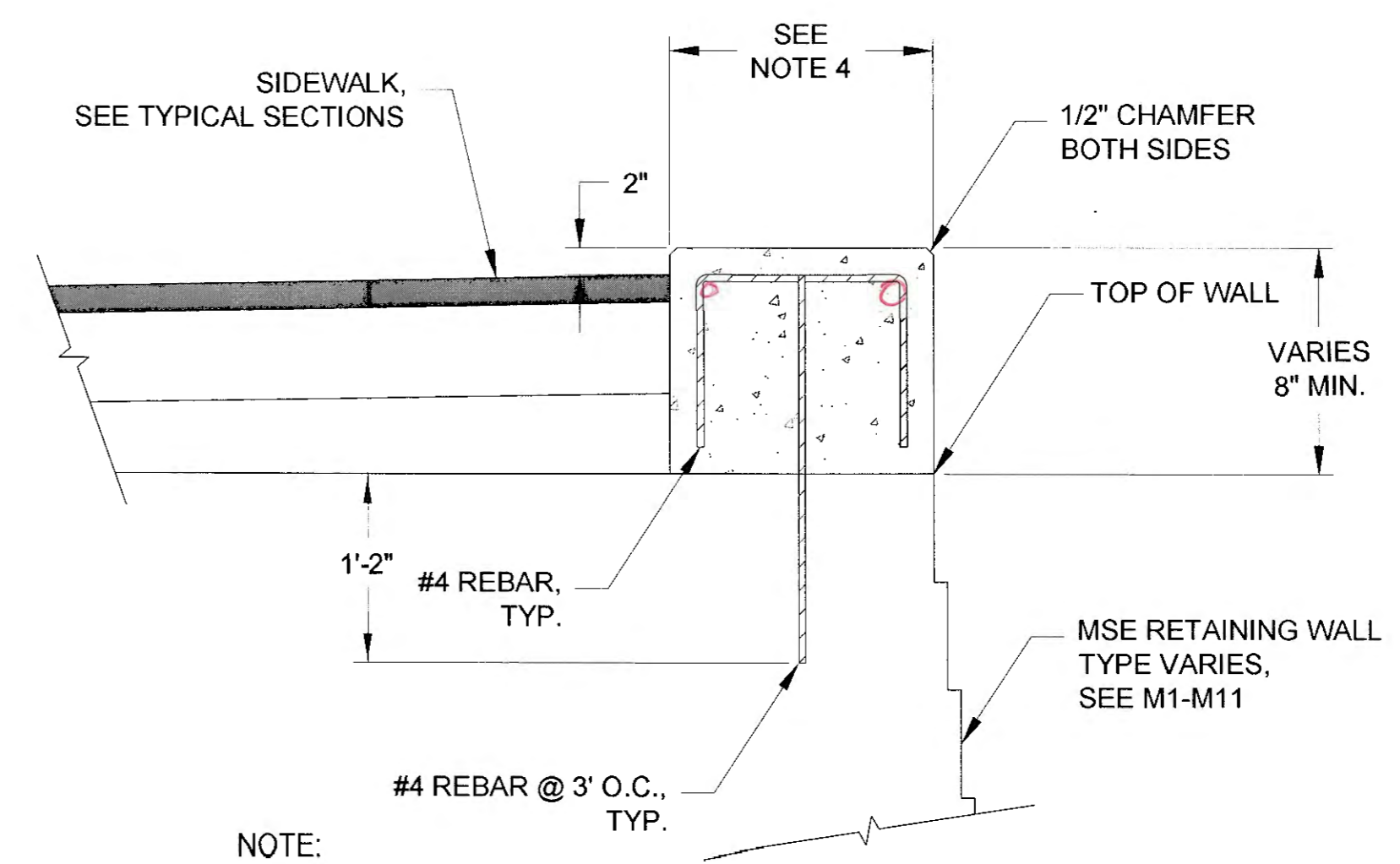
**BARRIER SECTION, TYPE II - DIMENSIONS
 WALL 2A, 2B AND C1**



BARRIER SECTION - REINFORCING

BAR LIST																	
ITEM	NO. PIECES	SIZE	LENGTH	BAR MARK	TYPE	A	B	C	D	E	F	G	H	J	K	O	R
1	5	4-4			STRAIGHT												
2	5	7-4 1/2	501	1	0-5	6-6 1/2								0-5			
3	5	9-0	502	3	0-5	2-10	2-1 1/2	0-10					1-6 1/2	0-5			
4	5	5-7	503	4				0-10	3-3	0-10	2-8						
5	5	7-3	504	T1	0-5	0-9	2-5	0-9	2-5		0-5						
6	4	3-1	401	17		1-6 1/2	1-6 1/2										

NOTE:
 BAR "TYPES" REFER TO CONCRETE REINFORCING STEEL INSTITUTE DETAIL REFERENCE TYPICAL BAR BEND DIAGRAMS.



- NOTE:
1. MAINTAIN 2" MINIMUM COVER ON ALL REBAR.
 2. GROUT OR CONCRETE REBAR INTO UPPER 2 - COURSES WHEN INSTALLING ON MODULAR BLOCK TYPE WALLS.
 3. FULL EXPANSION JOINTS SHALL BE PLACED EVERY 3RD JOINT AND AT ALL WALL RADIUS AND BEND POINTS.
 4. WIDTH VARIES PER WALL MANUFACTURED, 18" MIN.

CONCRETE PARAPET DETAIL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020

CHECKED BY: S. KARI

DESIGNED BY: B. HOPPER
 DRAWN BY: B. PADDOCK

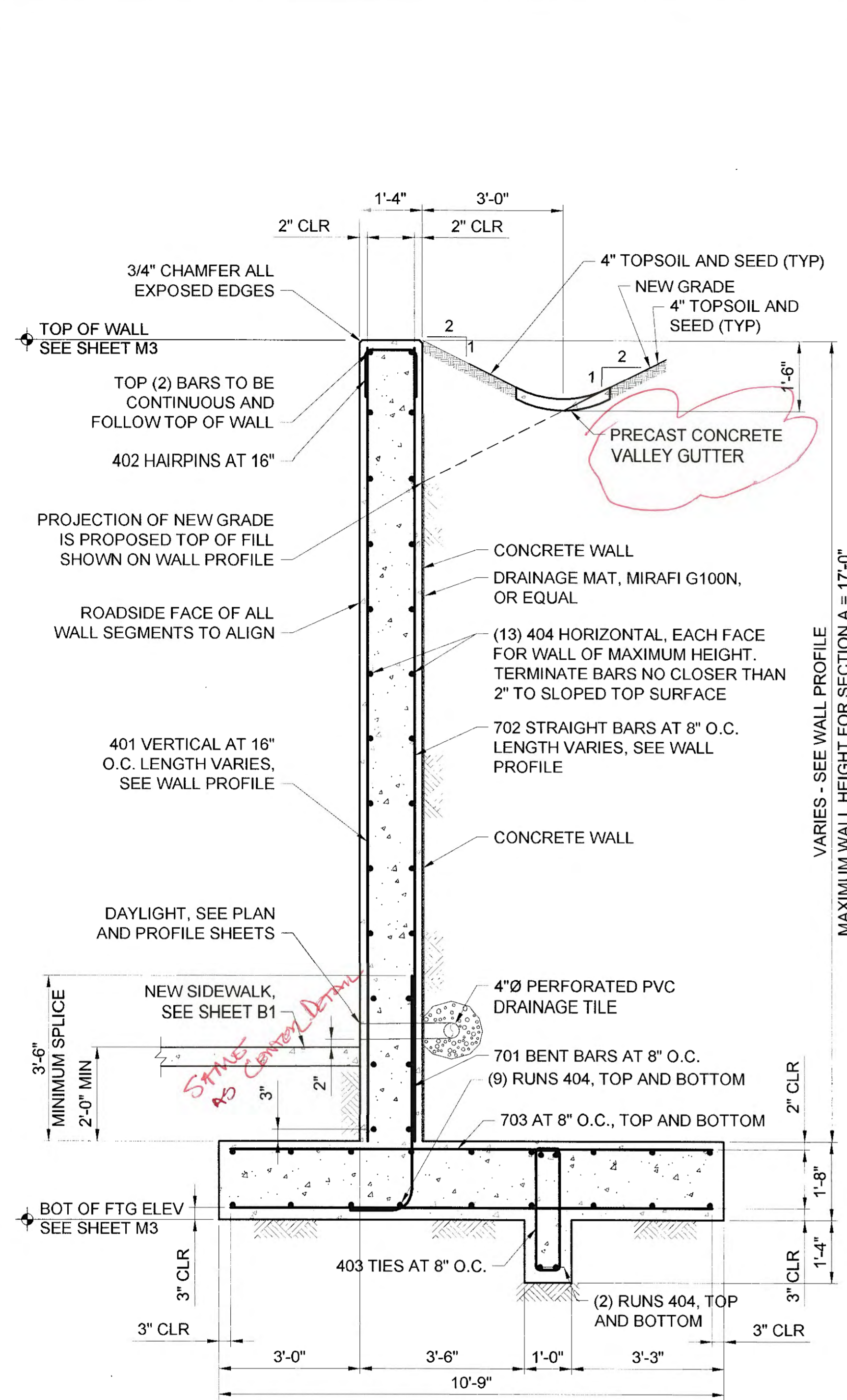
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

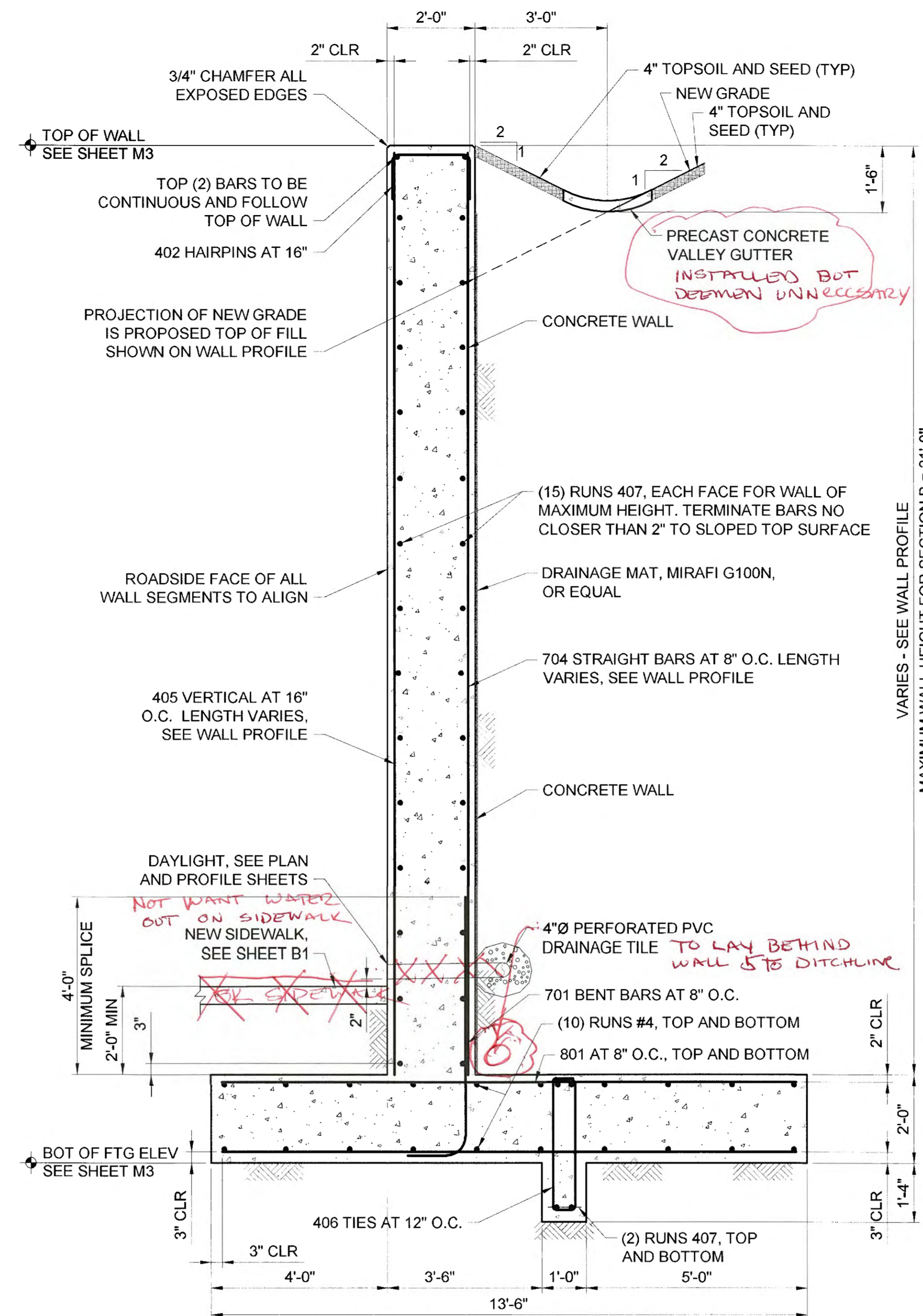
RETAINING WALL DETAILS

PROJECT DESIGNATION
0933039/Z684710000

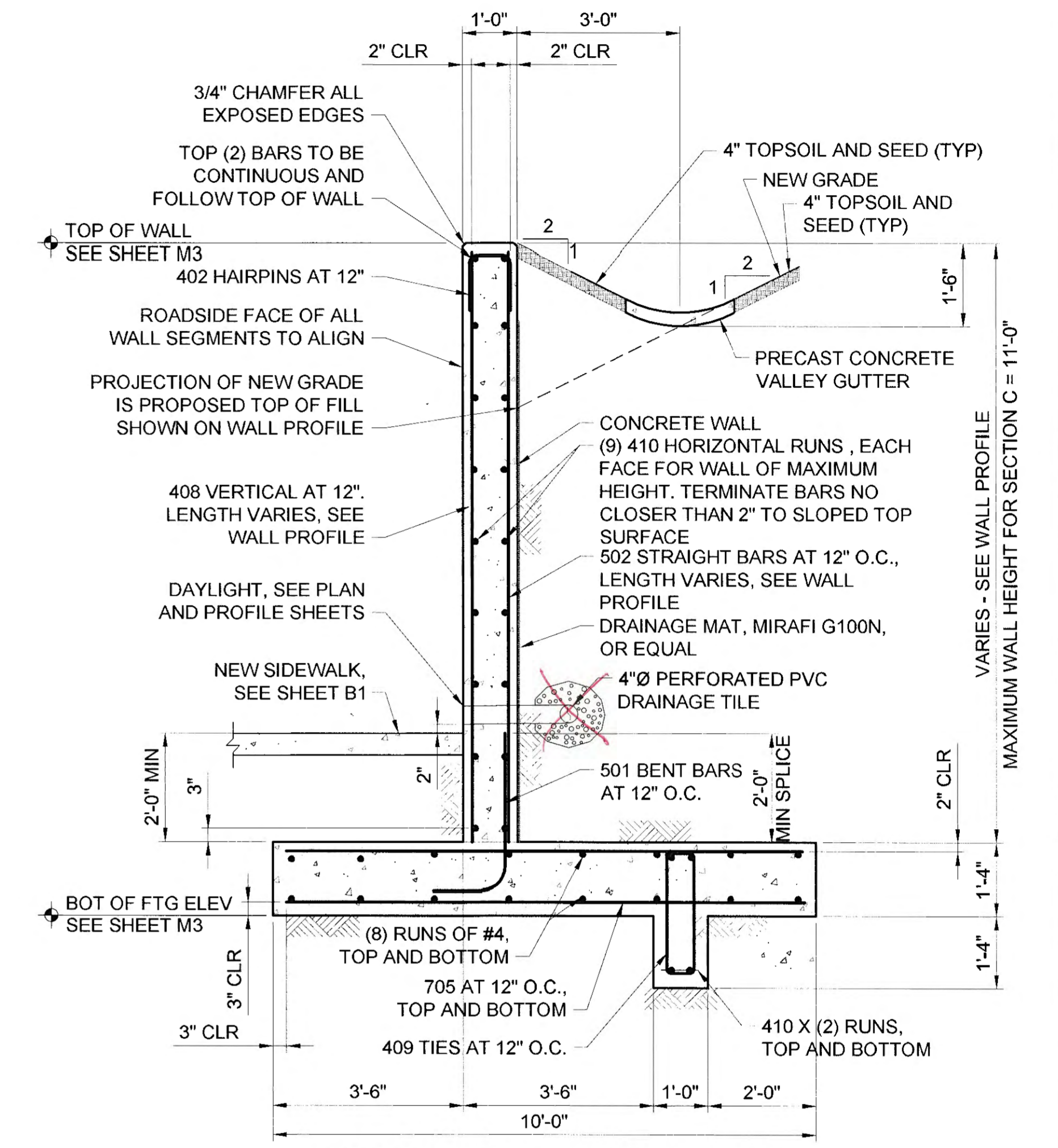
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M18	145



RETAINING WALL 5 - SECTION A
STA 09+69 - 11+23
 SCALE: 1/2"=1'-0"



RETAINING WALL 5 - SECTION B
STA 11+23 - 13+63
 SCALE: 1/2"=1'-0"



RETAINING WALL 5 - SECTION C
STA 13+63 - 13+72.74
 SCALE: 1/2"=1'-0"

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION				
DESIGNED BY: KR/RJK						
DRAWN BY: DJR						
TUESDAY, DECEMBER 13, 2016 1:24:42 PM		RETAINING WALL SECTIONS				
TAB: M19						
NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	12/12/16	MODIFIED STATION	0933039/Z684710000	2016	M19	145

GENERAL STRUCTURAL NOTES
(APPLIES UNLESS NOTED OTHERWISE)

DESIGN LOADS:

SOIL LOADS:		RETAINING WALL DESIGNED TO HAVE PROPER DRAINAGE WITH NO HYDROSTATIC PRESSURE PRESENT.
SOIL BEARING PRESSURE	4,000 PSF	
SOIL FRICTION ANGLE	40°	
ACTIVE SOIL PRESSURE AT HEEL	30.6 PSF/FT	
ACTIVE SOIL PRESSURE AT TOE	30.6 PSF/FT	
PASSIVE PRESSURE	551 PSF/FT	

CONCRETE:

TYPICAL CONCRETE COMPRESSIVE STRENGTHS		
CONCRETE	MINIMUM 28 DAY COMPRESSIVE STRENGTH	SLUMP AT PLACEMENT
UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE CLASS A 4" MAXIMUM		

ADDITION OF WATER TO THE BATCH FOR MATERIAL WITH INSUFFICIENT SLUMP WILL NOT BE PERMITTED.

REINFORCING:

TYPICAL CLEAR CONCRETE COVERAGE		
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH		3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	#6 AND LARGER	2"
	#5 AND SMALLER	1 1/2"
ALL OTHERS PER LATEST EDITION OF ACI 318.		

LAP SPLICES IN CONCRETE:

ALL SPLICE LOCATIONS SUBJECT TO APPROVAL. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS. REINFORCING BAR SPACINGS GIVEN ARE MAXIMUM ON CENTERS (O.C.). SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE. CONCRETE COLUMN DOWEL EMBEDMENT SHALL BE A STANDARD COMPRESSION DOWEL EMBEDMENT LENGTH ACCORDING TO THE LATEST EDITION OF ACI 318.

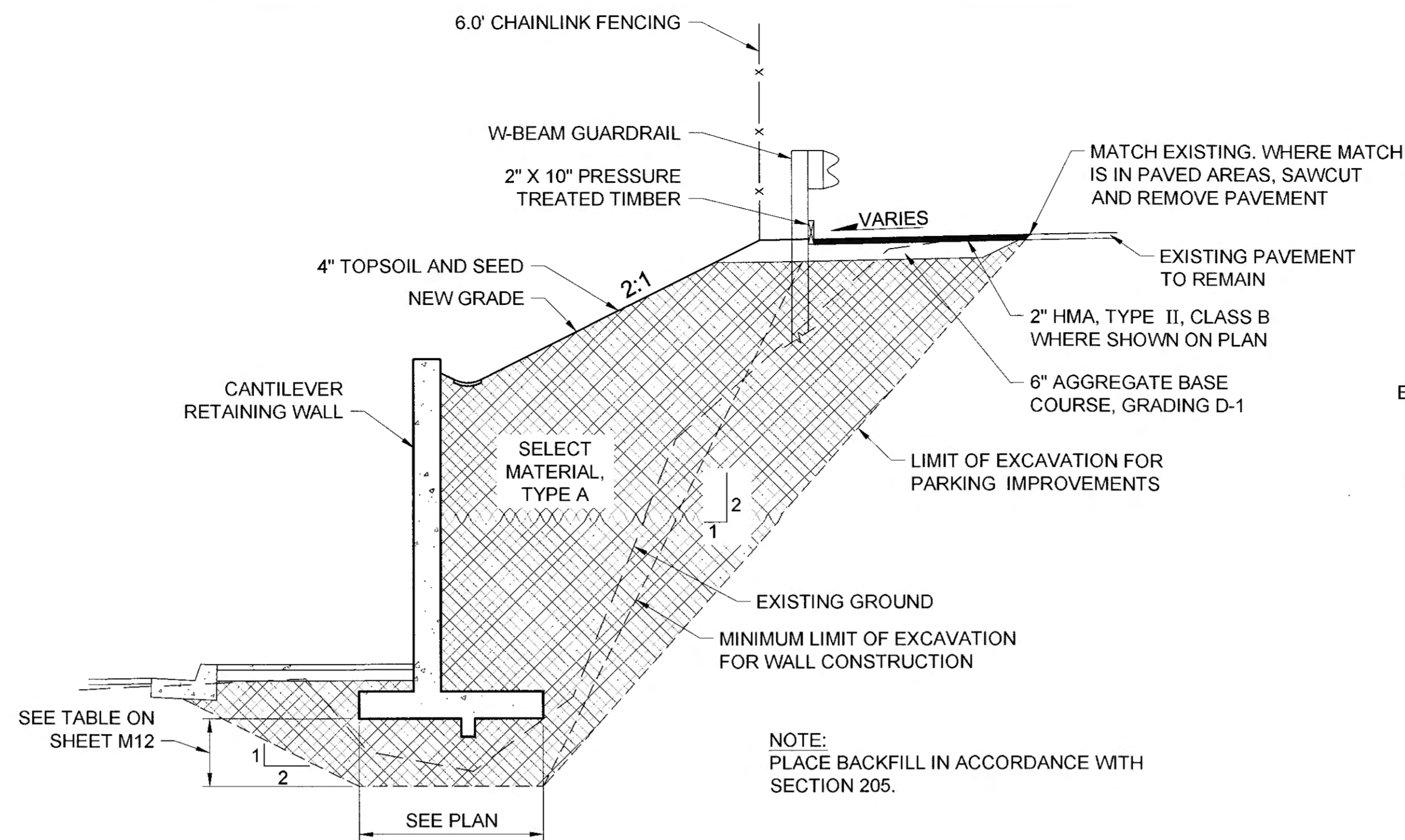
MINIMUM INSPECTIONS:

THE MINIMUM INSPECTING AND TESTING IS REQUIRED:

CONCRETE: DURING TAKING OF SPECIMENS AND PLACEMENT OF ALL CONCRETE. SAMPLE (2) SETS OF CYLINDERS EVERY 50 CUBIC YARDS OF CONCRETE. PERFORM STRENGTH TESTING AT 7 AND 28 DAYS: SLUMP, AIR CONTENT, AND TEMPERATURE TESTING.

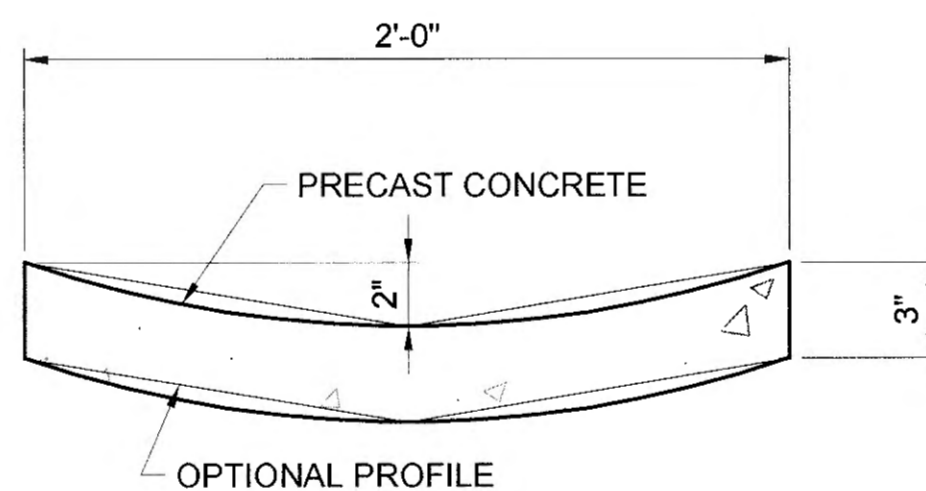
BOLTS INSTALLED IN CONCRETE: PRIOR TO AND DURING THE PLACEMENT OF CONCRETE AROUND BOLTS.

REINFORCING STEEL: DURING PLACEMENT OF REINFORCING STEEL.



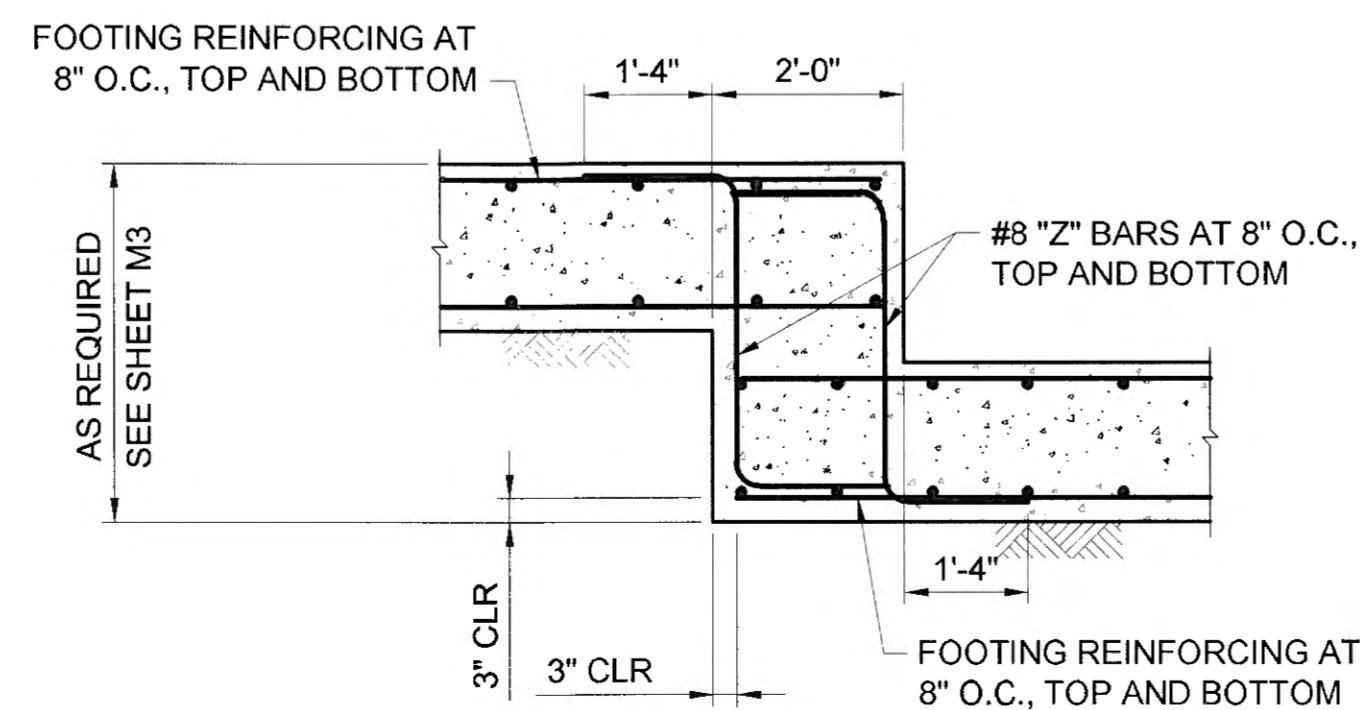
TYPICAL WALL BACKFILL SECTION

SCALE: 1/8"=1'-0"



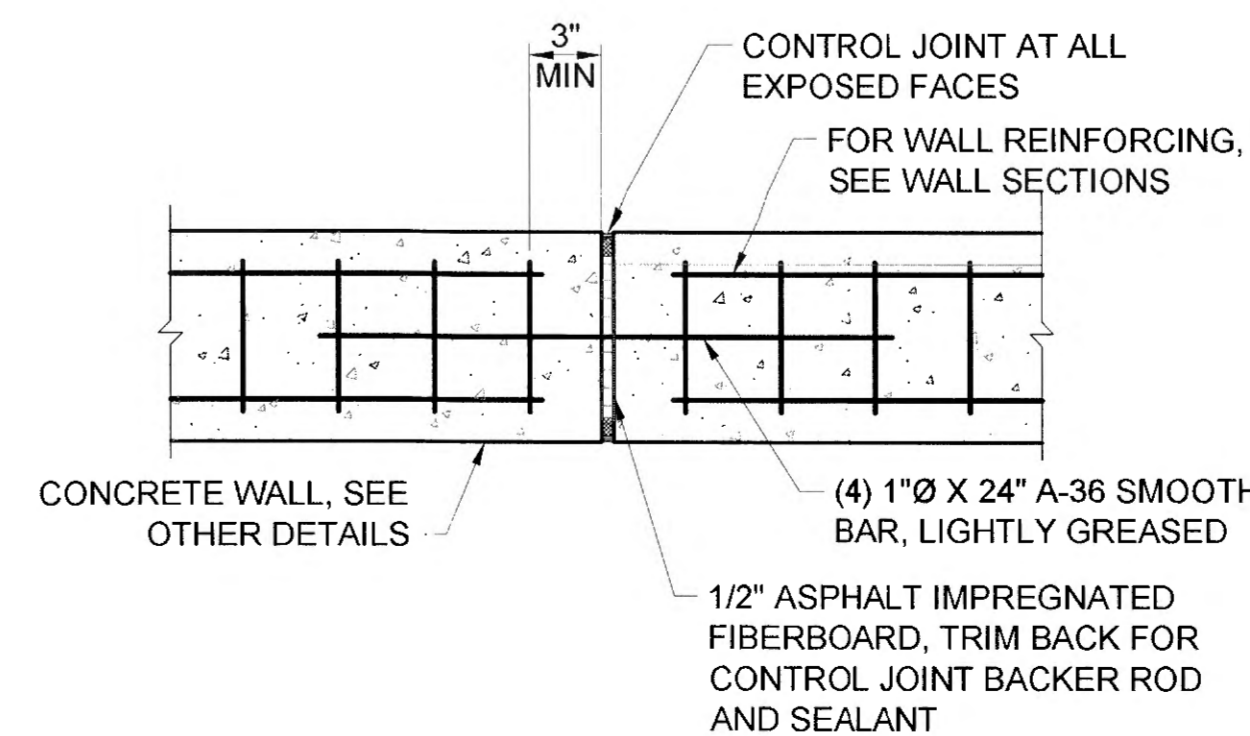
VALLEY GUTTER SECTION

SCALE: 2"=1'-0"



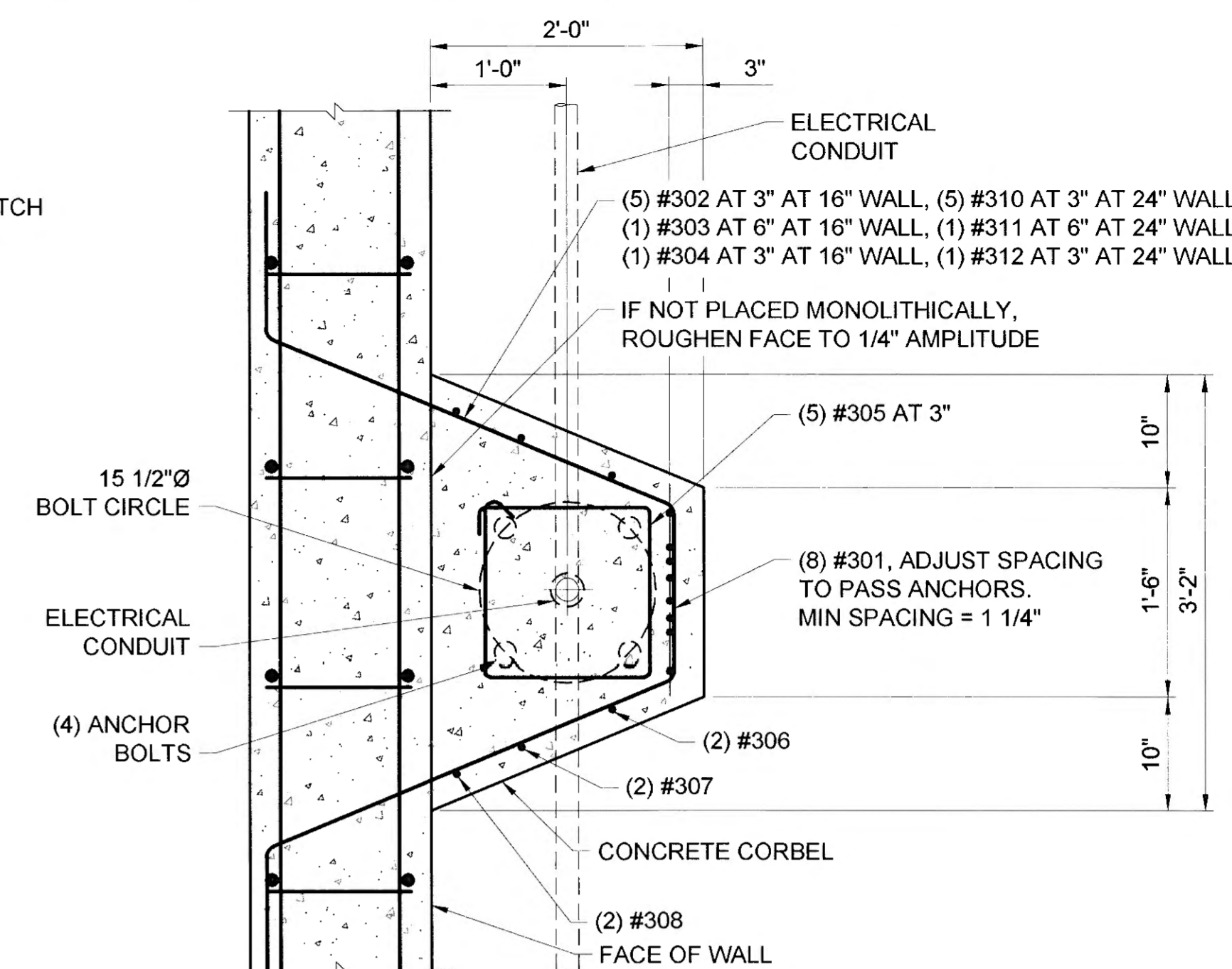
TYPICAL WALL FOUNDATION STEP

SCALE: 1/2"=1'-0"

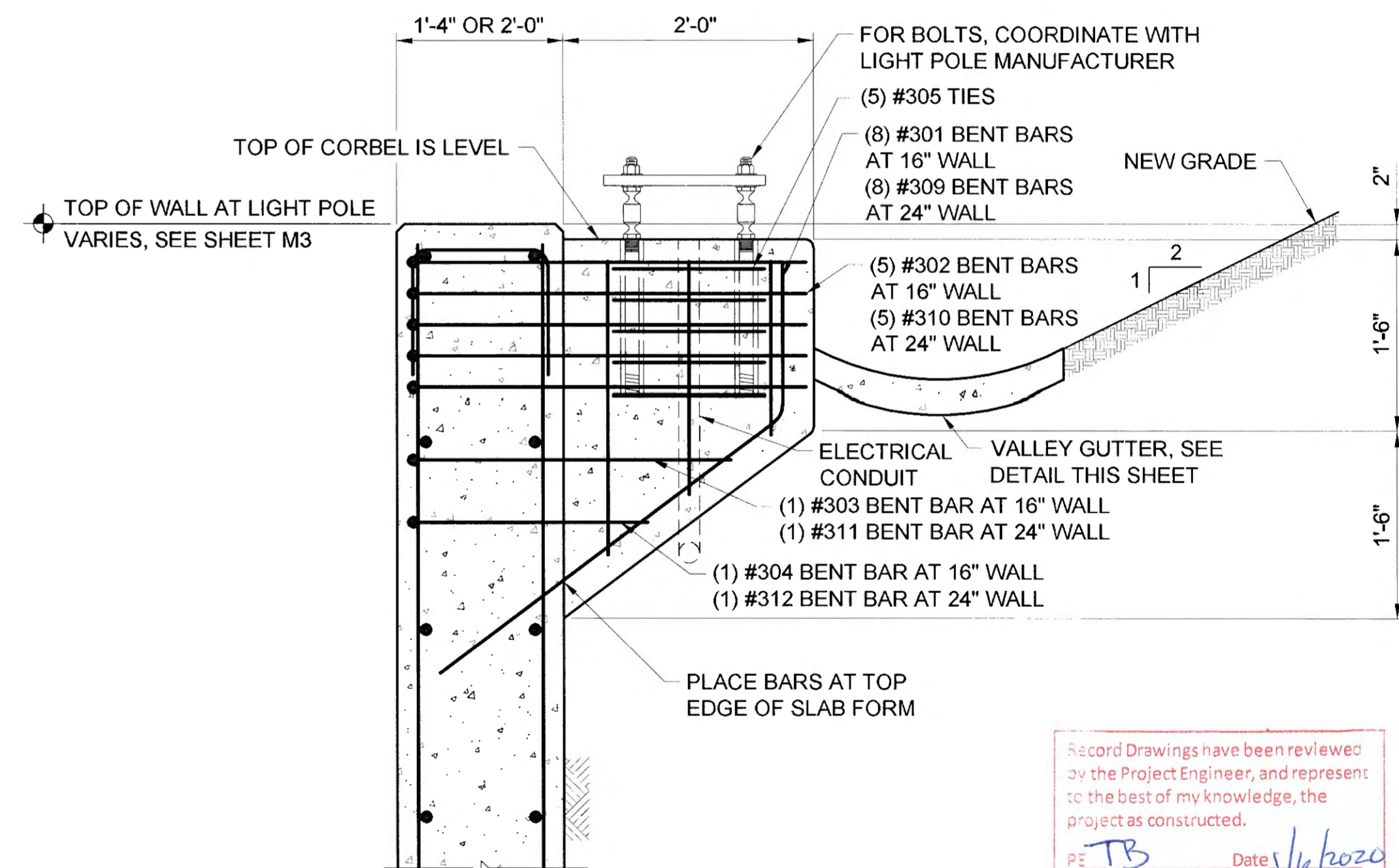


TYPICAL CONTROL JOINT

SCALE: 1 1/2"=1'-0"



PLAN



SECTION

LIGHT POLE CORBEL

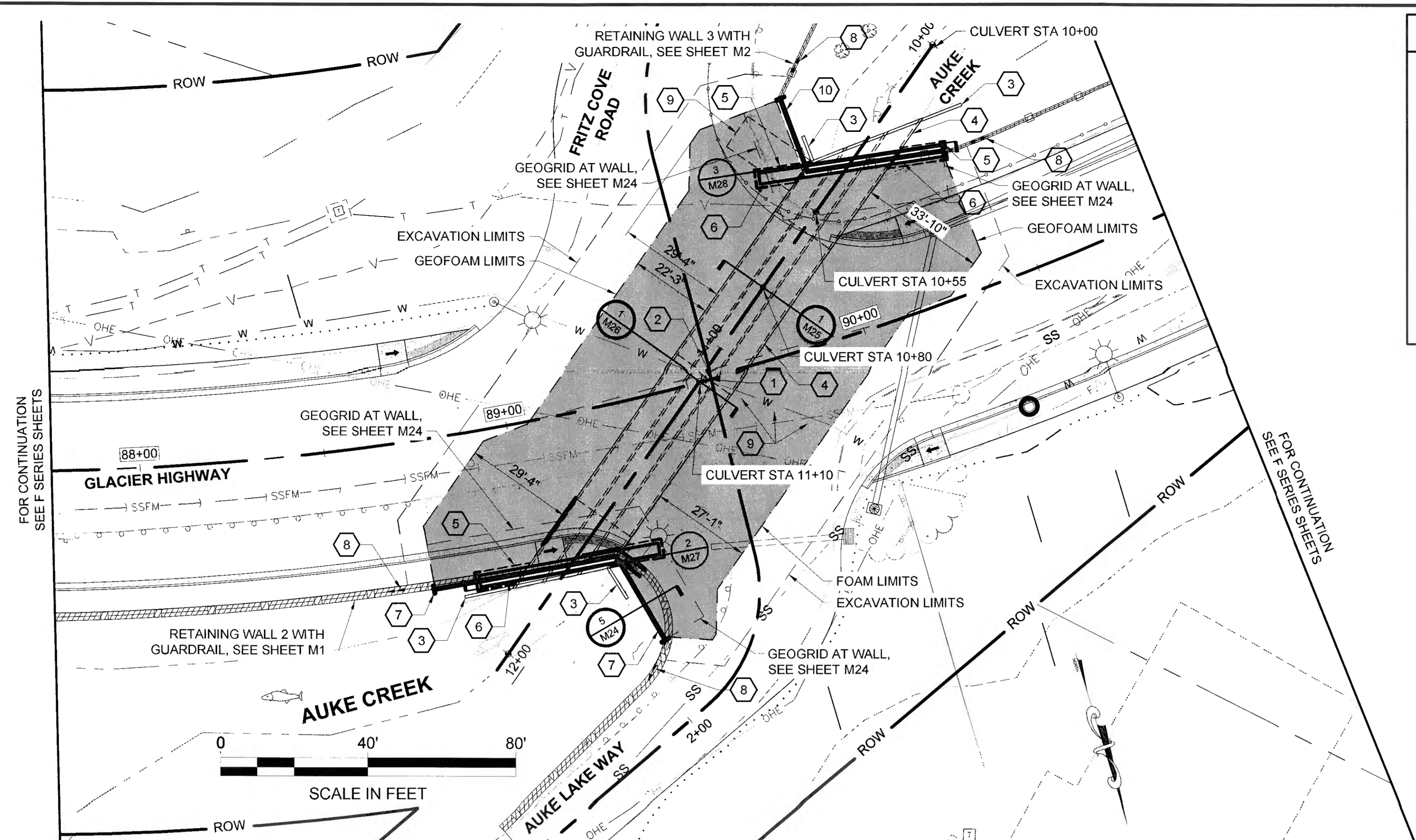
SCALE: 1"=1'-0"

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
P.E. TB Date: 1/6/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION	
DESIGNED BY: KR/RJK		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DRAWN BY: DJR		RETAINING WALL DETAILS	
Friday, September 30, 2016 12:56:48 PM		PROJECT DESIGNATION	YEAR
TAB: M20		0933039/Z684710000	2016
REVISIONS		SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	M20 145



1 CULVERT OVERBURDEN AND RETAINING WALL PLAN
U18 SCALE: 1"=20'

- KEY NOTES**
- 1 STA 89+56.66 (GLACIER HIGHWAY)=STA 1+00.00 (AUKE LAKE WAY), SEE PLAN SHEET F14.
 - 2 STA 89+56.66 (GLACIER HIGHWAY)=STA 1+00.00 (FRITZ COVE ROAD) SEE PLAN SHEET F14.
 - 3 EXISTING CONCRETE WING WALL.
 - 4 EXISTING CONCRETE CULVERT.
 - 5 CONCRETE FOOTING.
 - 6 CONCRETE GRADE BEAM.
 - 7 PRECAST CONCRETE MSE RETAINING WALL C1.
 - 8 WELDED WIRE FABRIC WALL, SEE M SHEETS.
 - 9 REMOVE EXISTING REINFORCED EARTH SLAB.
 - 10 PRECAST CONCRETE MSE RETAINING WALL C2.

- GENERAL NOTES:**
- EXISTING CULVERT EVALUATED IN ACCORDANCE WITH LFR AND LRFR LOAD RATINGS. NEW ITEMS DESIGNED IN ACCORDANCE WITH "AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS", 7TH EDITION
- DESIGN LOADS:**
- LIVE LOAD 250 PSF
 - GEOFOAM DEAD LOAD 2.4 PCF
 - GRAVEL FILL DEAD LOAD 140 PCF
- SOIL LOADS:**
- SOIL BEARING PRESSURE 3,000 PSF
- RETAINING WALLS DESIGNED TO HAVE PROPER DRAINAGE WITH NO HYDROSTATIC PRESSURE PRESENT.
- MATERIAL STRENGTHS:**
- CONCRETE 4,000 PSI
 - REINFORCING STEEL 60 KSI
 - MISCELLANEOUS STEEL A36 36 KSI
 - WELDING ELECTRODES E70XX

SEE CO # 8
FOR CHANGES IN PRECAST WALLS 2A & 3

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE TB Date 1/6/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

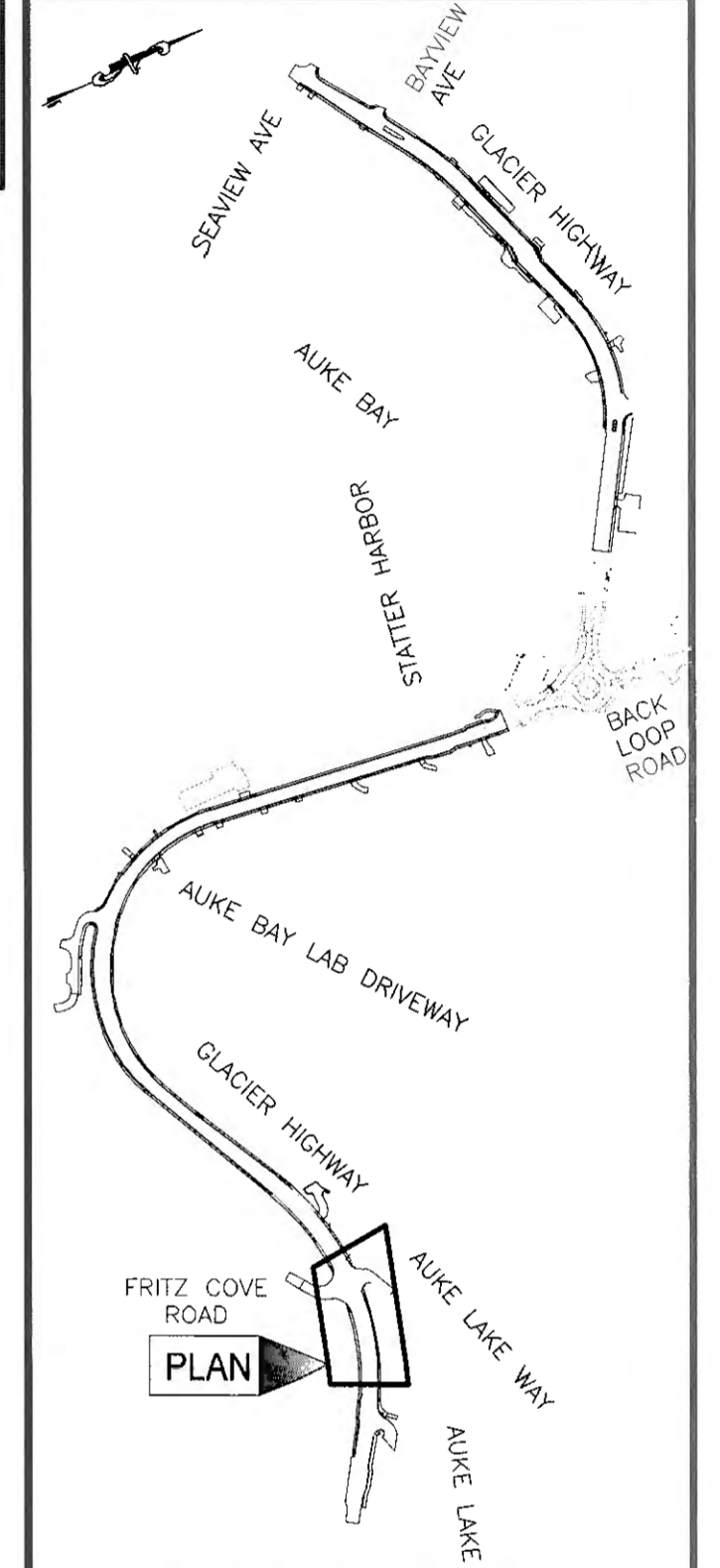
TAB: M22

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: B. HOPPER
DRAWN BY: D. REESE

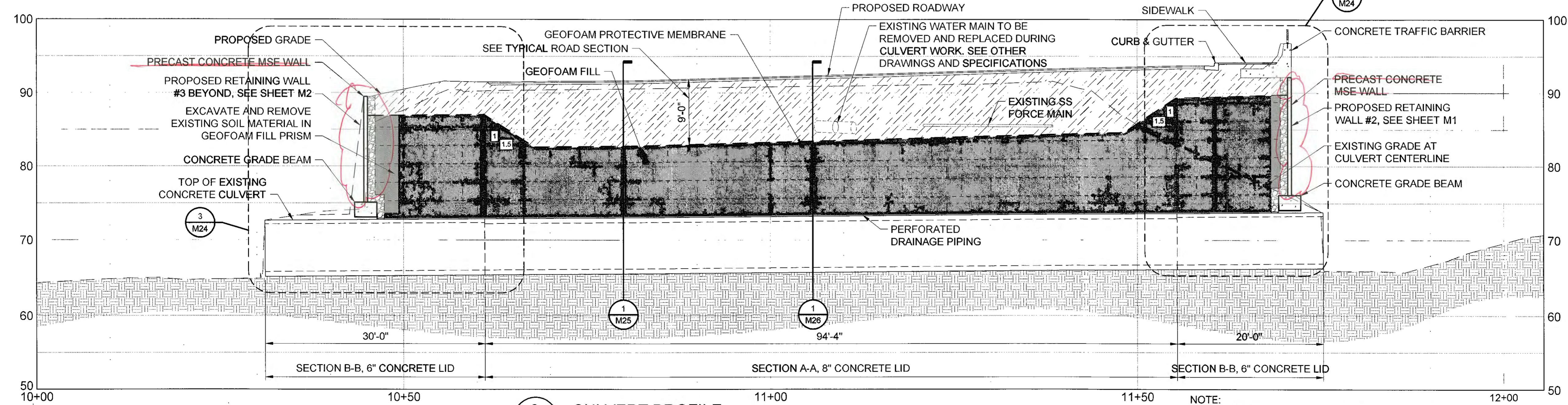
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION

GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

AUKE CREEK CULVERT PLAN & PROFILE

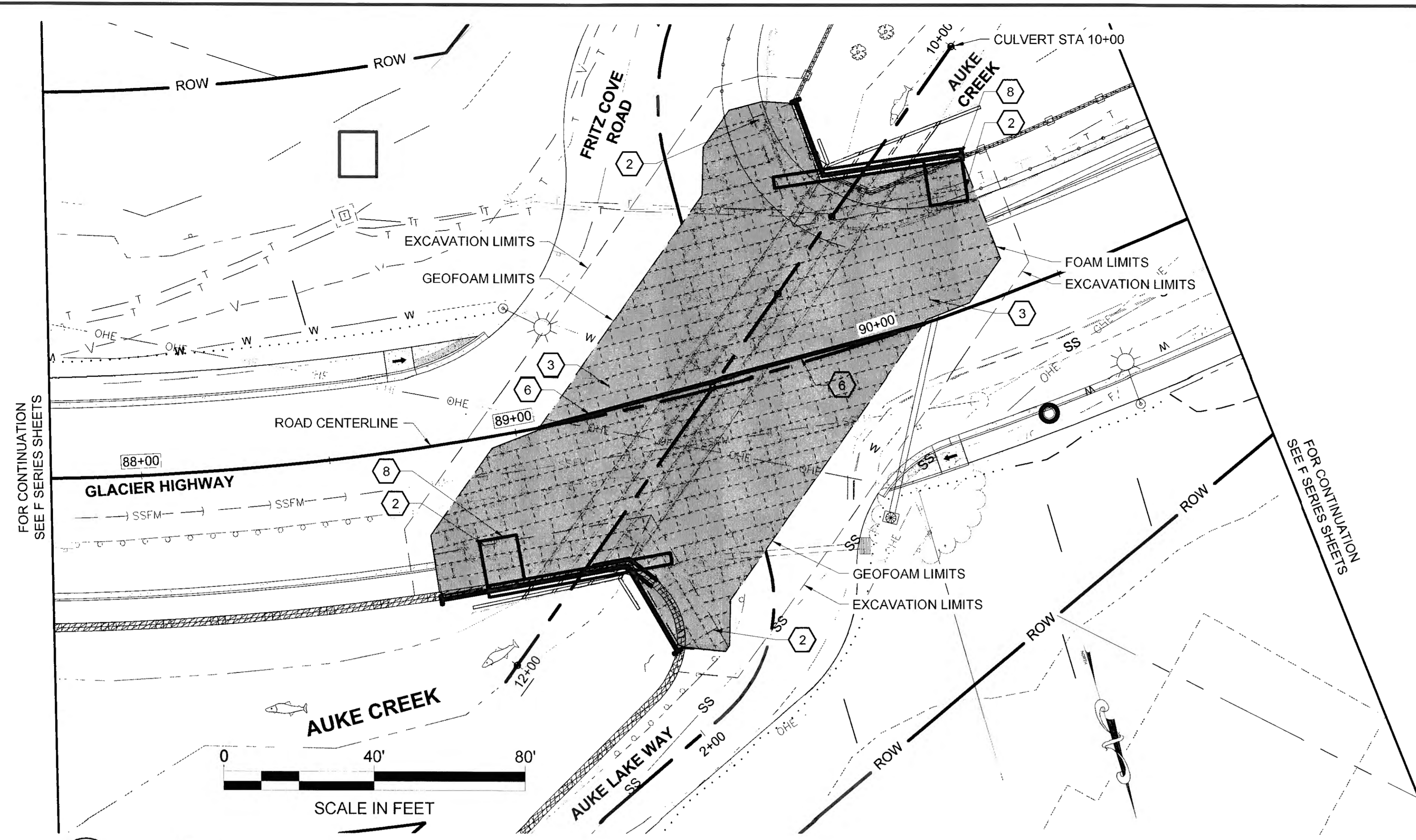
PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M22	145



2 CULVERT PROFILE
M22

NOTE:
GEOFOAM BLOCK FILL LAYOUT SHOWN IS SCHEMATIC ONLY. PROVIDE SHOP DRAWINGS FOR APPROVAL BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.



1 SCHEMATIC GEOFOAM LAYOUT PLAN
M23

- ### KEY NOTES
- 1 SEE SHEET U18 FOR ITEMS SHOWN BUT NOT NOTED.
 - 2 EXTENT OF GEOGRID CONNECTED TO PRECAST MSE WALL PANELS 12'-0" PERPENDICULAR TO INSIDE FACE OF PANELS. PERFORATED DRAIN PIPING NOT SHOWN FOR CLARITY, SEE SHEETS M25 & M26.
 - 3 GEOFOAM FILL LAYOUT IS DEPICTED FOR PLANNING PURPOSES ONLY. LAYOUT SHALL GENERALLY BE LAID OUT WITH COURSING PARALLEL AND PERPENDICULAR TO WALL FACES AND ROAD CENTERLINE. CONTRACTOR SHALL DEVELOP GEOFOAM LAYOUT SHOP DRAWINGS SHOWING DETAILED PLACEMENT AND COORDINATION WITH PHASING AND PRECAST FASCIA/GEOGRID CONNECTIONS IN ACCORDANCE WITH THE SPECIFICATIONS. SEE NOTE 2 WHERE LAYOUT IS WITHIN 12'-0" OF PRECAST MSE WALL PANEL.
 - 4 BEAM AND FOOTING SPANNING OVER EXISTING CULVERT. WHERE BEAM AND FOOTING INTERSECTS EXISTING BEDROCK, THE REBAR SHALL BE EPOXY GROUTED INTO THE BEDROCK AND THE CONCRETE CAST DIRECTLY ON THE BEDROCK.
 - 5 PRECAST MSE WALL PANEL.
 - 6 EDGE OF GEOFOAM LAYOUT TO ACCOMMODATE CONSTRUCTION PHASING. SEE PHASING PLAN.
 - 7 EXISTING CONCRETE CULVERT AND WING WALLS.
 - 8 GEOGRID REINFORCEMENT

COORDINATES

POINT	NORTHING	EASTING
P1	509506.52	486885.05
P2	509534.70	486890.14
P3	509529.57	486927.14
P4	509508.33	486928.65
P5	509527.73	486940.34
P6	509615.23	486994.56
P7	509639.66	486999.87
P8	509613.99	487006.21
P9	509610.04	487043.47
P10	509634.33	487045.91
P11	509608.69	487056.20

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

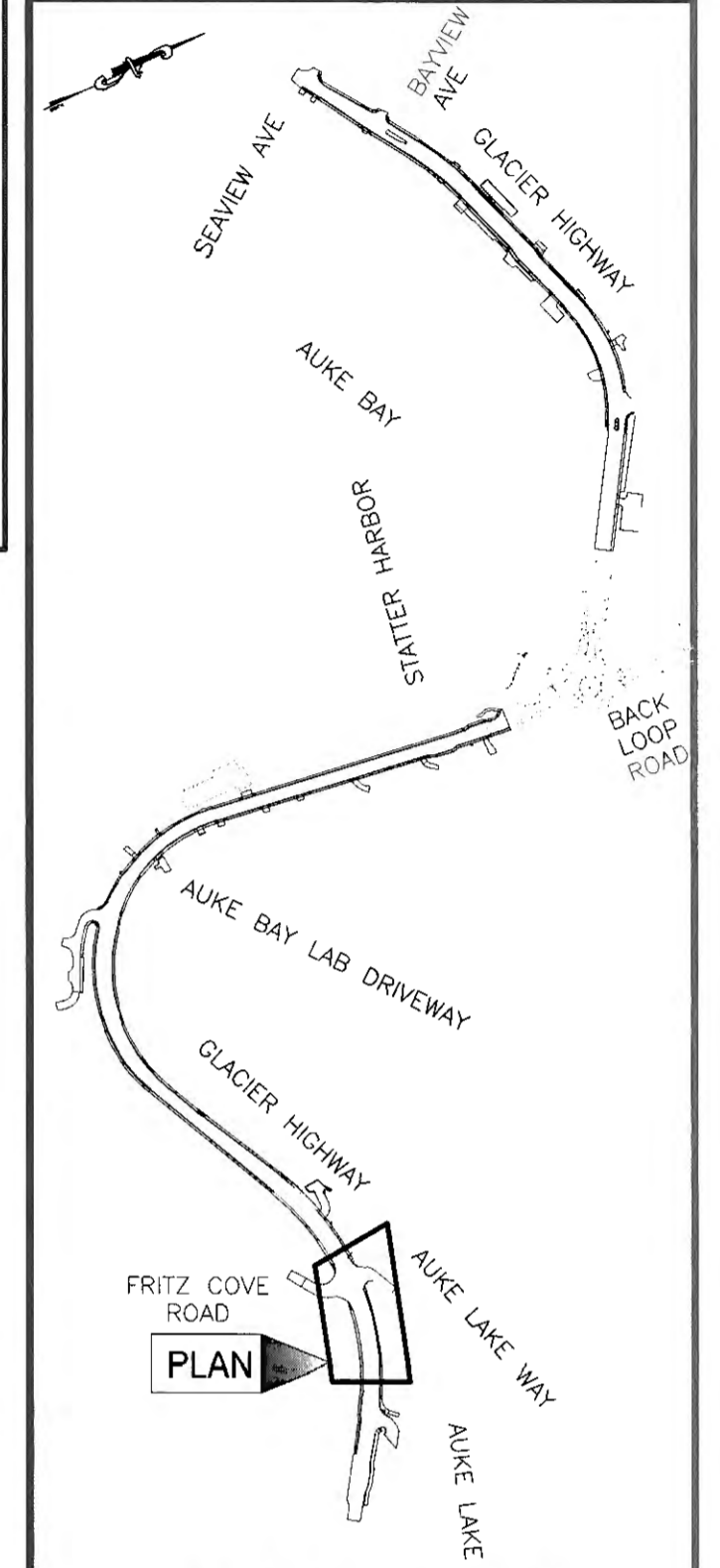
TAB: M23

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: B. HOPPER
DRAWN BY: D. REESE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

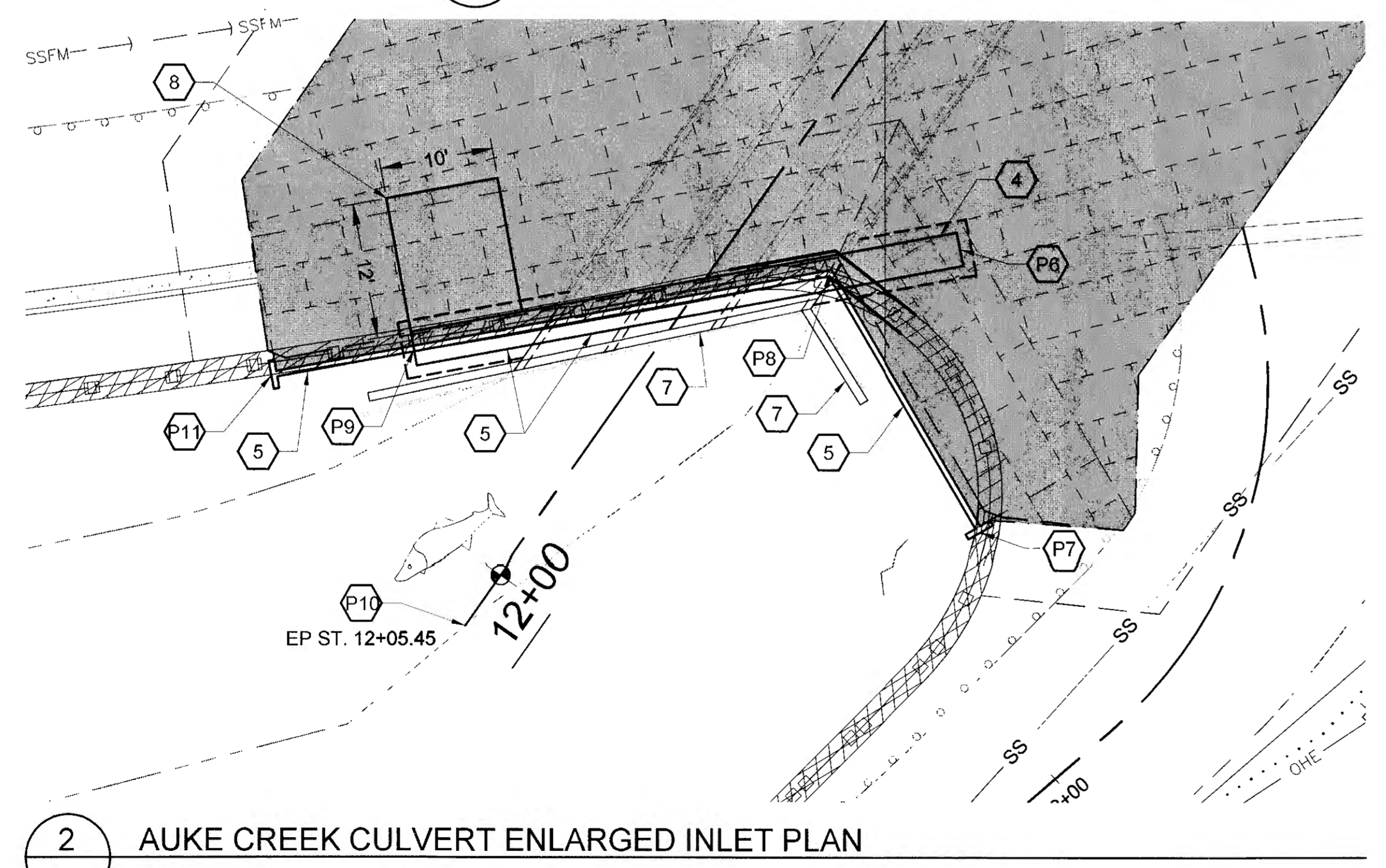
**AUKE CREEK
CULVERT
GEOFOAM LAYOUT**

PROJECT DESIGNATION

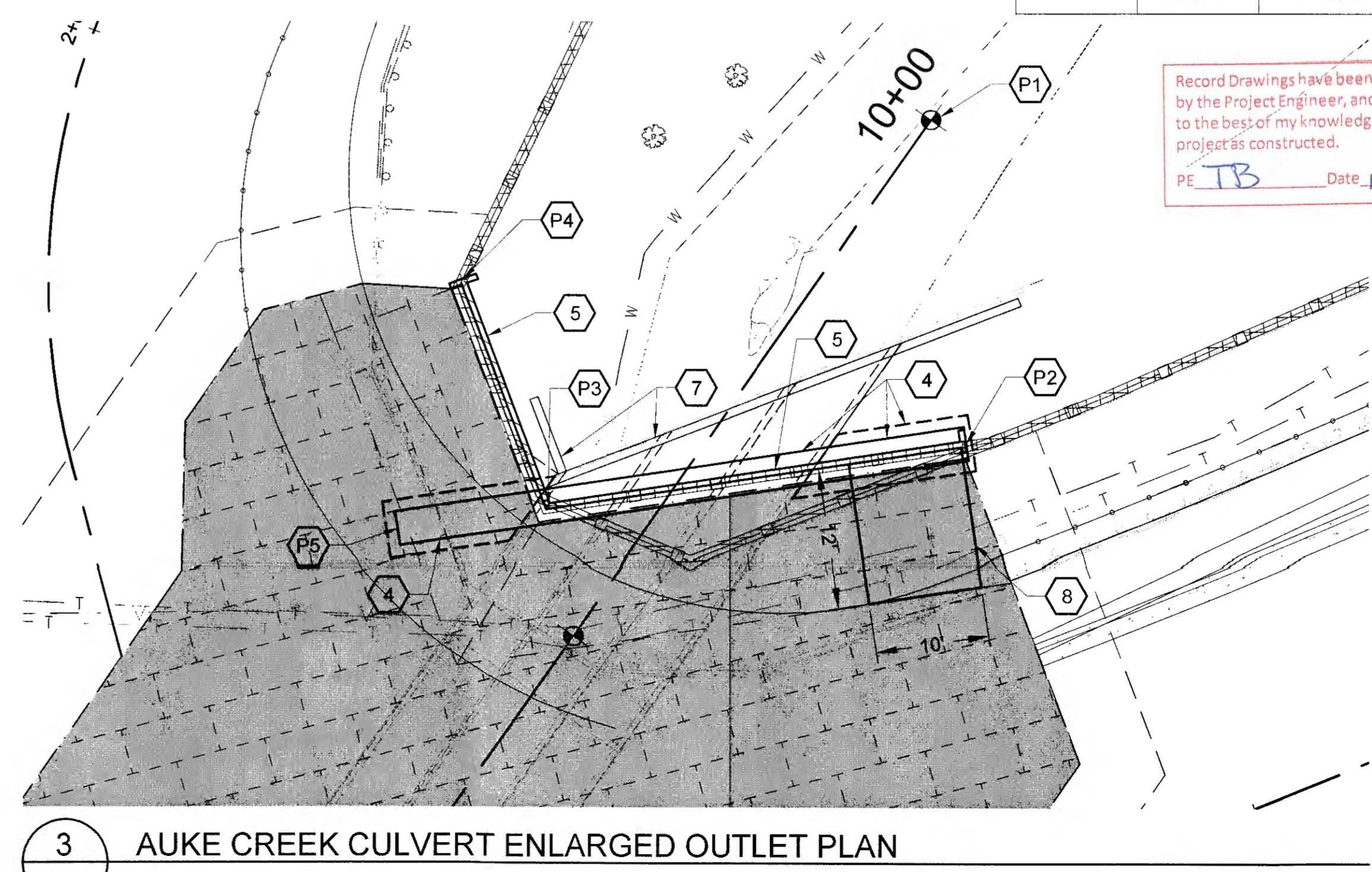
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M23	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE TB Date 1/4/2020

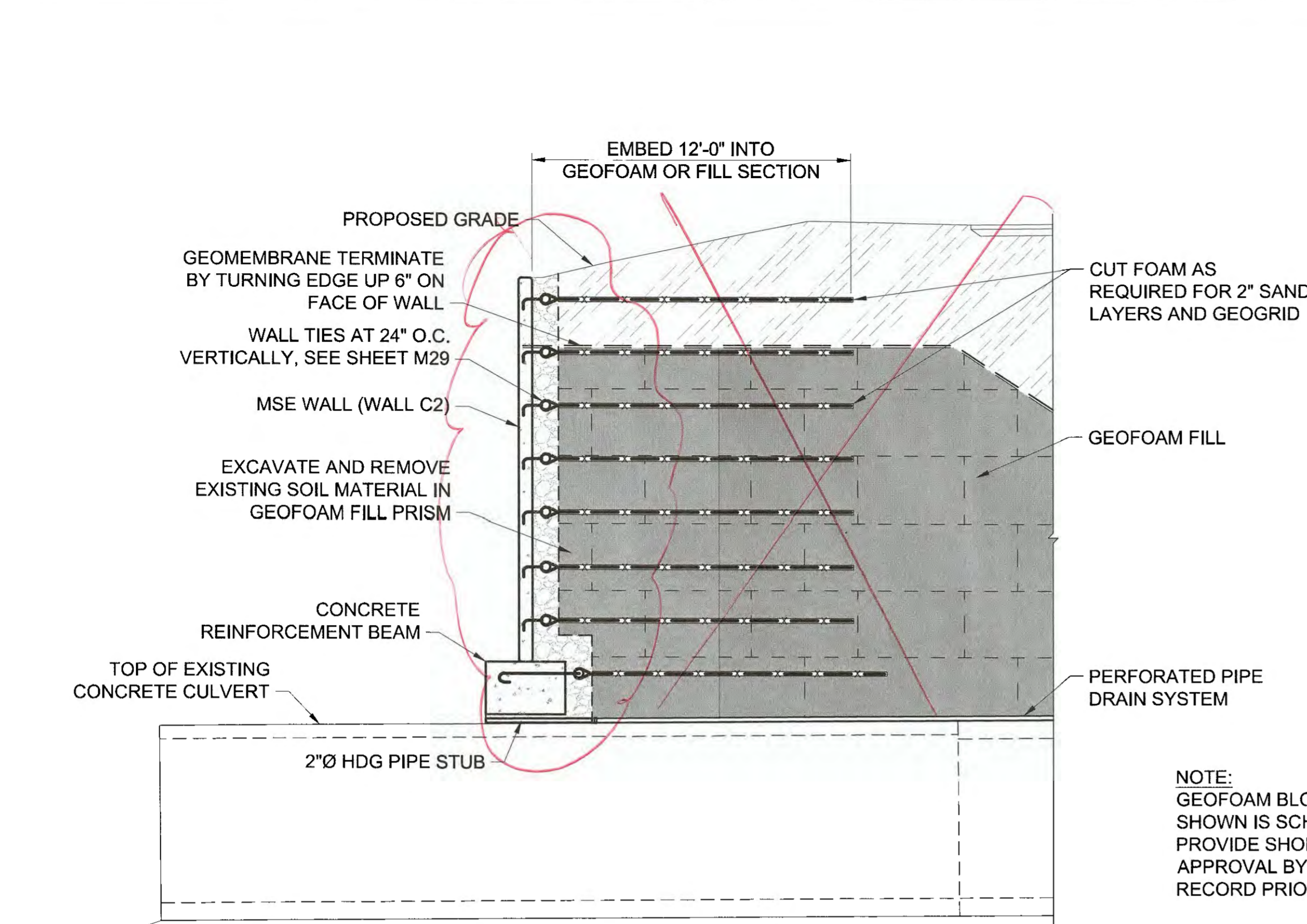


2 AUKE CREEK CULVERT ENLARGED INLET PLAN
M23



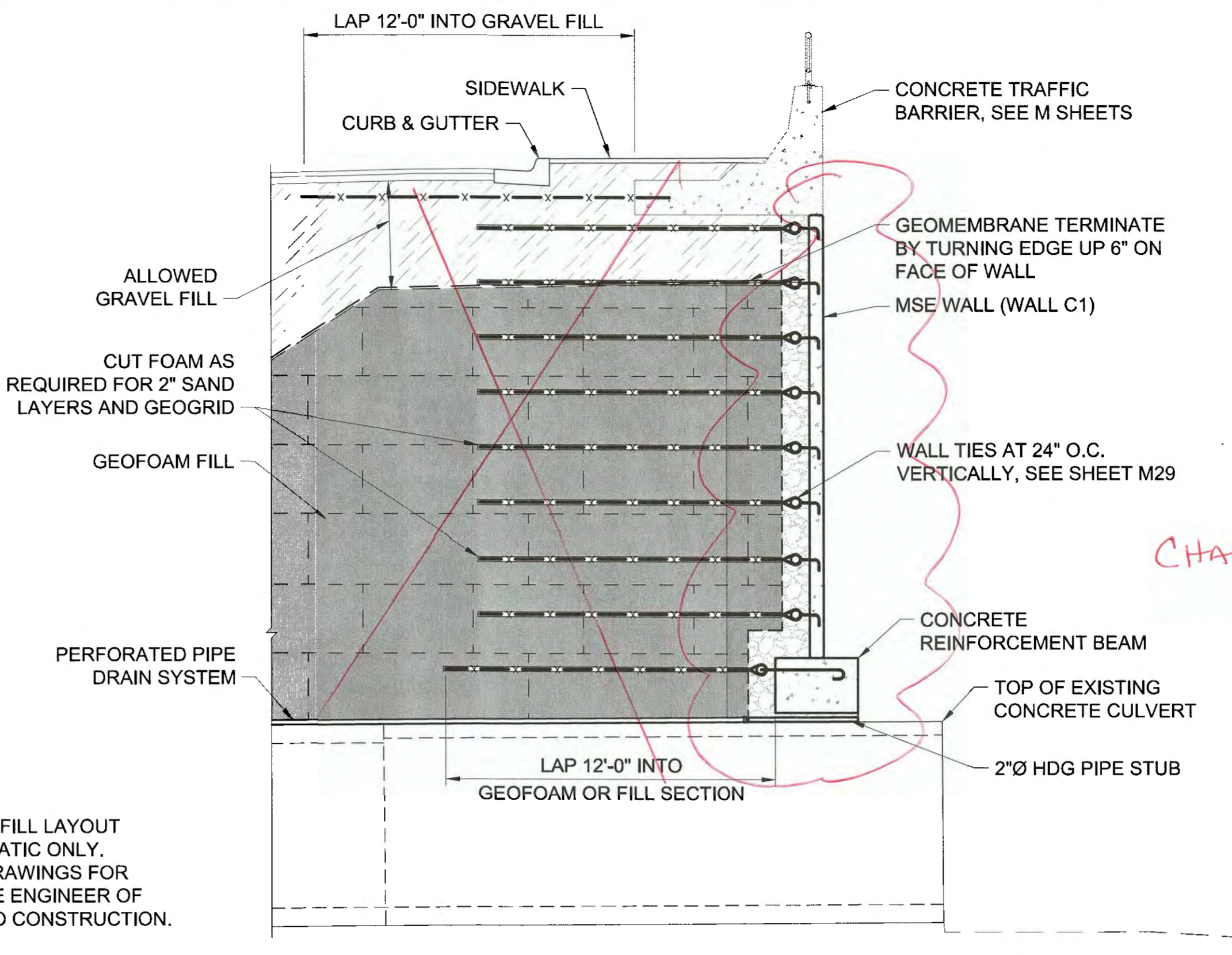
3 AUKE CREEK CULVERT ENLARGED OUTLET PLAN
M23

TAB: M24		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



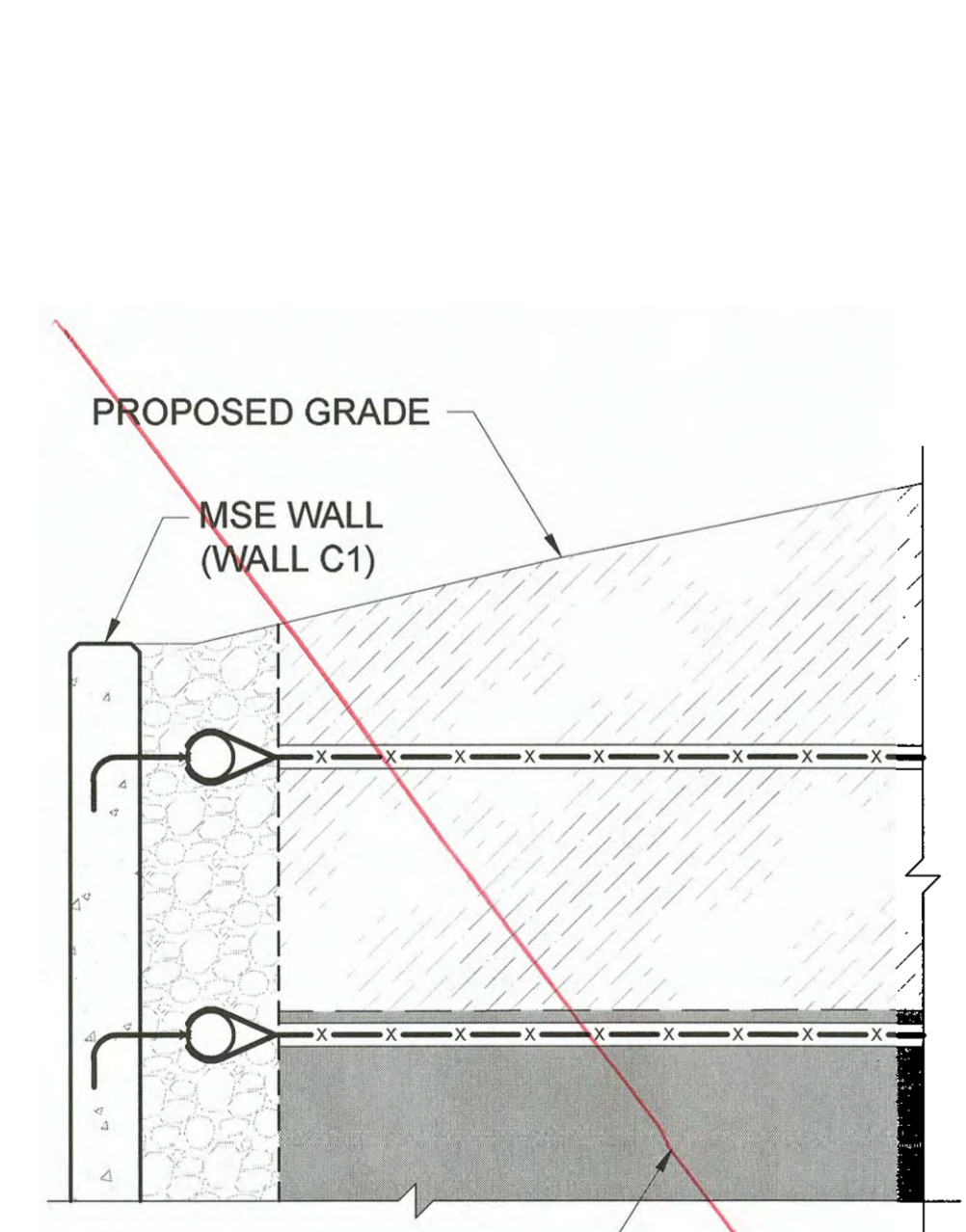
1 NEW CONCRETE WALL AT CULVERT OUTLET - SECTION
 M24

NOTE:
 GEOFOAM BLOCK FILL LAYOUT
 SHOWN IS SCHEMATIC ONLY.
 PROVIDE SHOP DRAWINGS FOR
 APPROVAL BY THE ENGINEER OF
 RECORD PRIOR TO CONSTRUCTION.

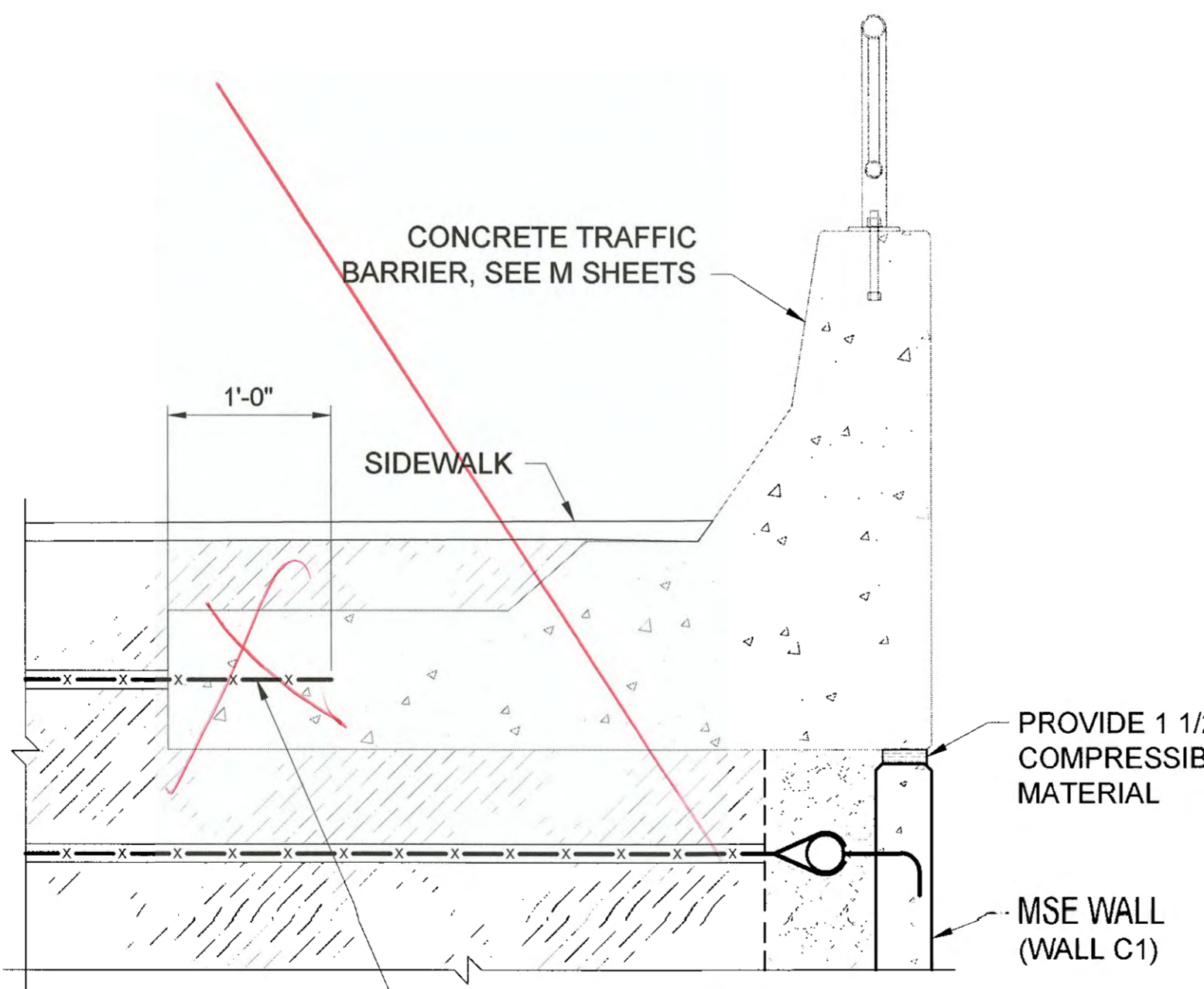


2 NEW CONCRETE WALL AT CULVERT INLET - SECTION
 M24

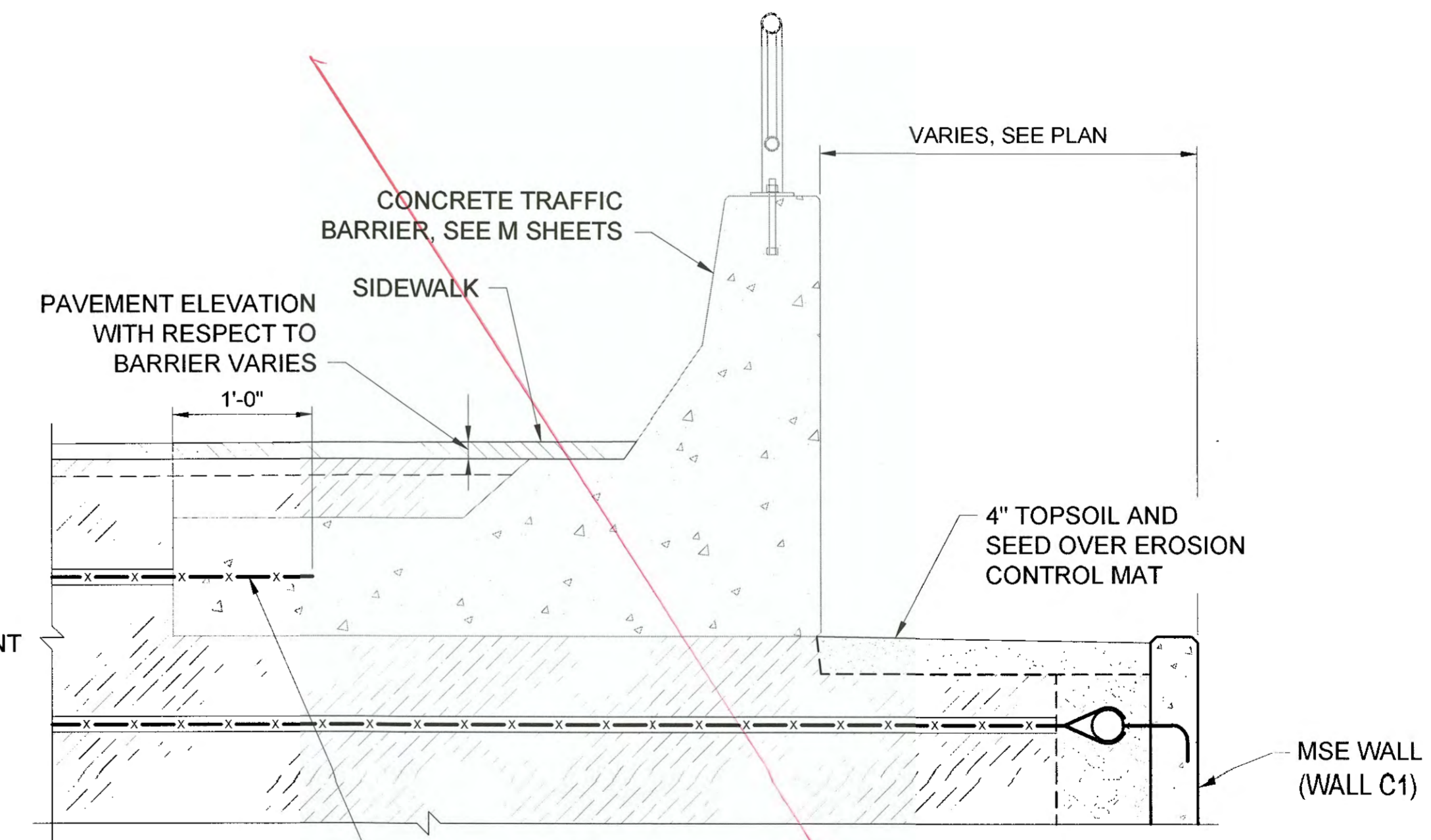
CHANGE ORDER
 #8



3 TOP OF NEW CONCRETE WALL AT CULVERT OUTLET
 M24



4 TOP OF NEW CONCRETE WALL AT CULVERT INLET
 M24



5 TOP OF NEW CONCRETE WALL AT CULVERT INLET
 M24

PLAN LEGEND

CHECKED BY: S. KARI

DESIGNED BY: RJK, KR
 DRAWN BY: KR, DJR

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

AUKE CREEK CULVERT
 PRECAST WALL
 DETAILS

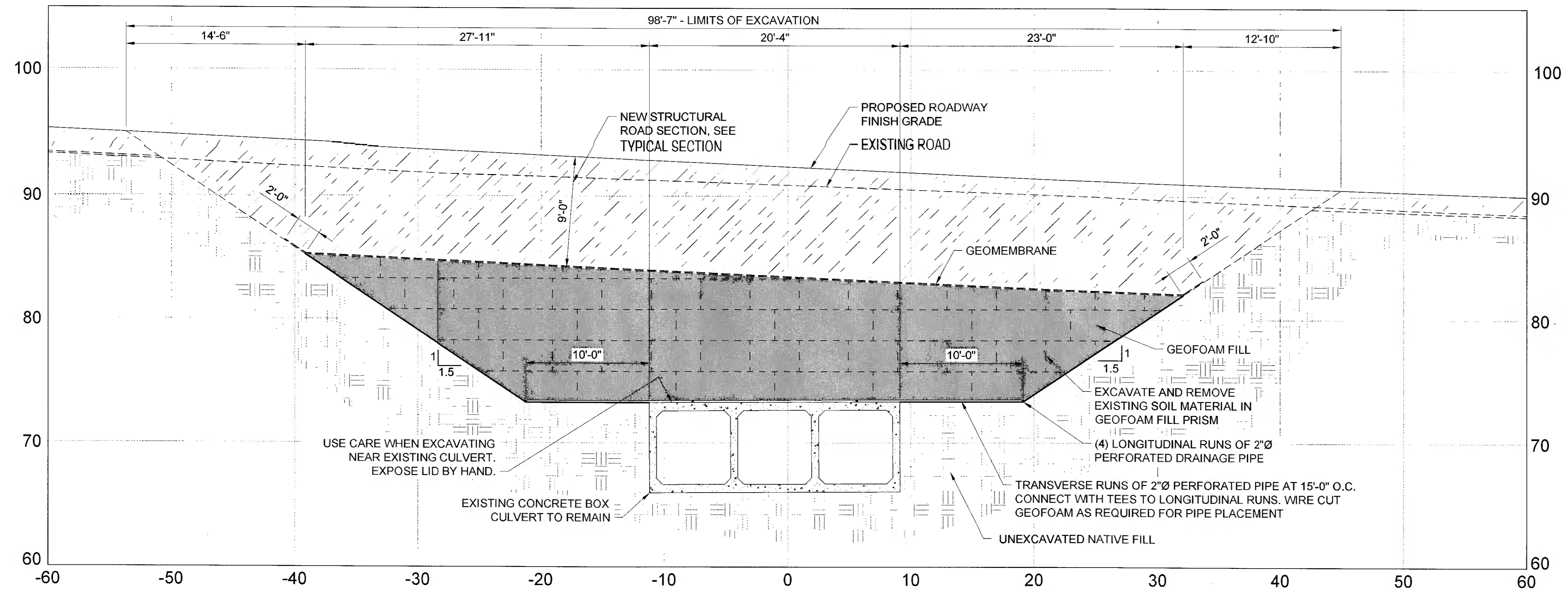
PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M24	145

Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE: TB Date: 1/6/2020

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: M25		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



1 AUKE CREEK CULVERT STA 10+80 SECTION
 M25

PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: RJK, KR

DRAWN BY: KR, DJR

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

AUKE CREEK CULVERT SECTIONS

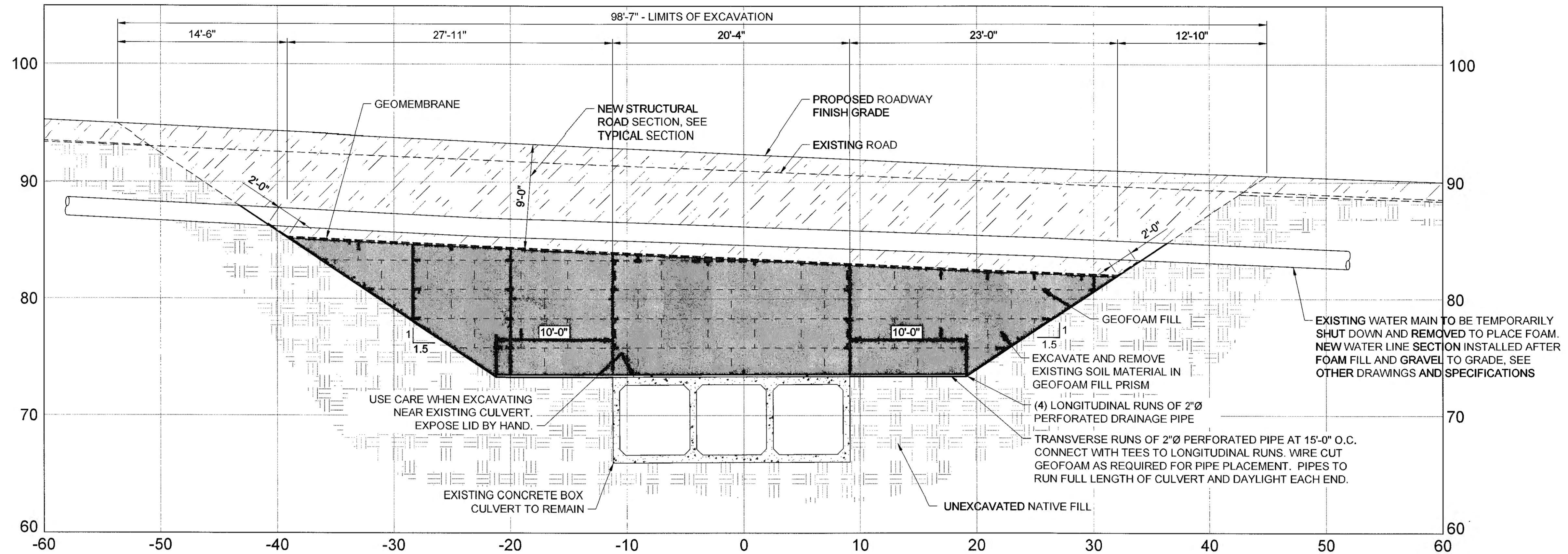
PROJECT DESIGNATION

0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
M25	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/4/2020



1 AUKE CREEK CULVERT STA 11+10 AT WATERLINE SECTION
 M26

PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: RJK, KR

DRAWN BY: KR, DJR

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

AUKE CREEK CULVERT
 SECTIONS

PROJECT DESIGNATION

0933039/Z684710000

STATE YEAR

ALASKA 2016

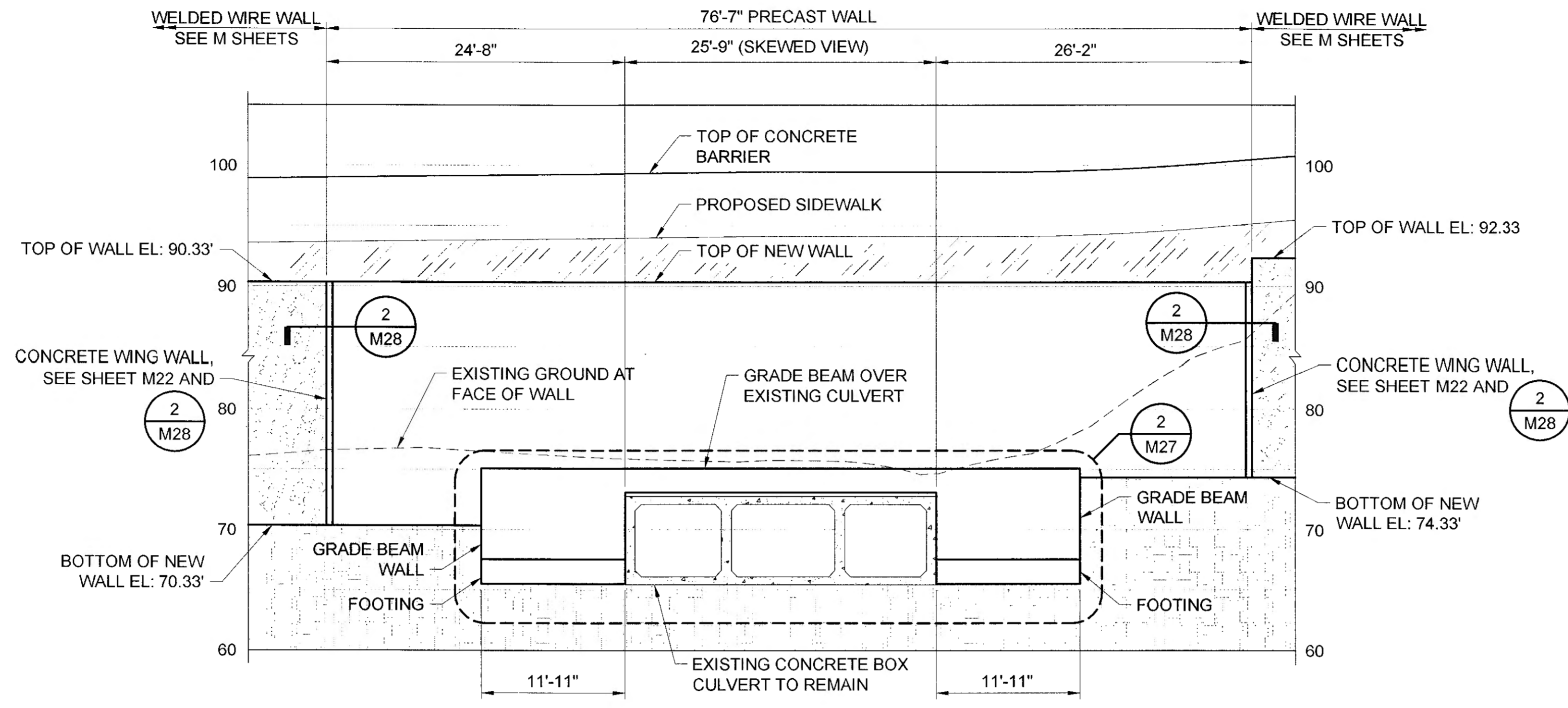
SHEET NUMBER TOTAL SHEETS

M26 145

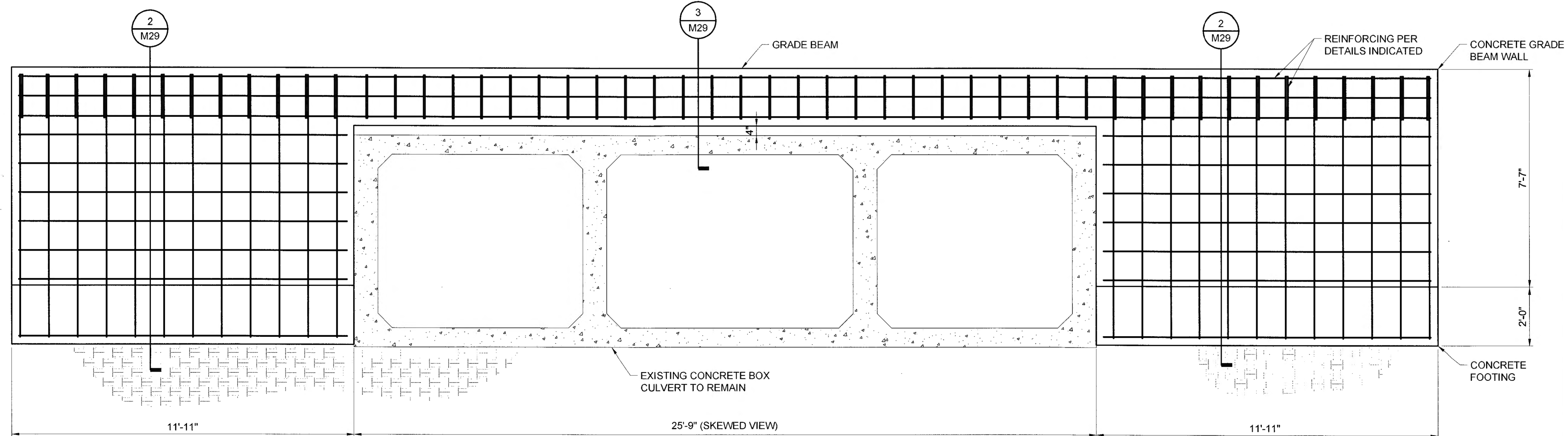
Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE: TB Date: 1/4/2020

NOTES:
 CONTRACTOR TO DEVELOP AND FURNISH
 REINFORCING STEEL LIST AND BENDING
 DIAGRAMS PER SPECIFICATION 503-3.01.

TAB: M27		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



1 PRECAST MSE WALL C1 ELEVATION AT CULVERT
 M27



2 GRADE BEAM ELEVATION AT WALL C1
 M27

PLAN LEGEND

CHECKED BY: S. KARI

DESIGNED BY: RJK, KR
 DRAWN BY: KR, DJR

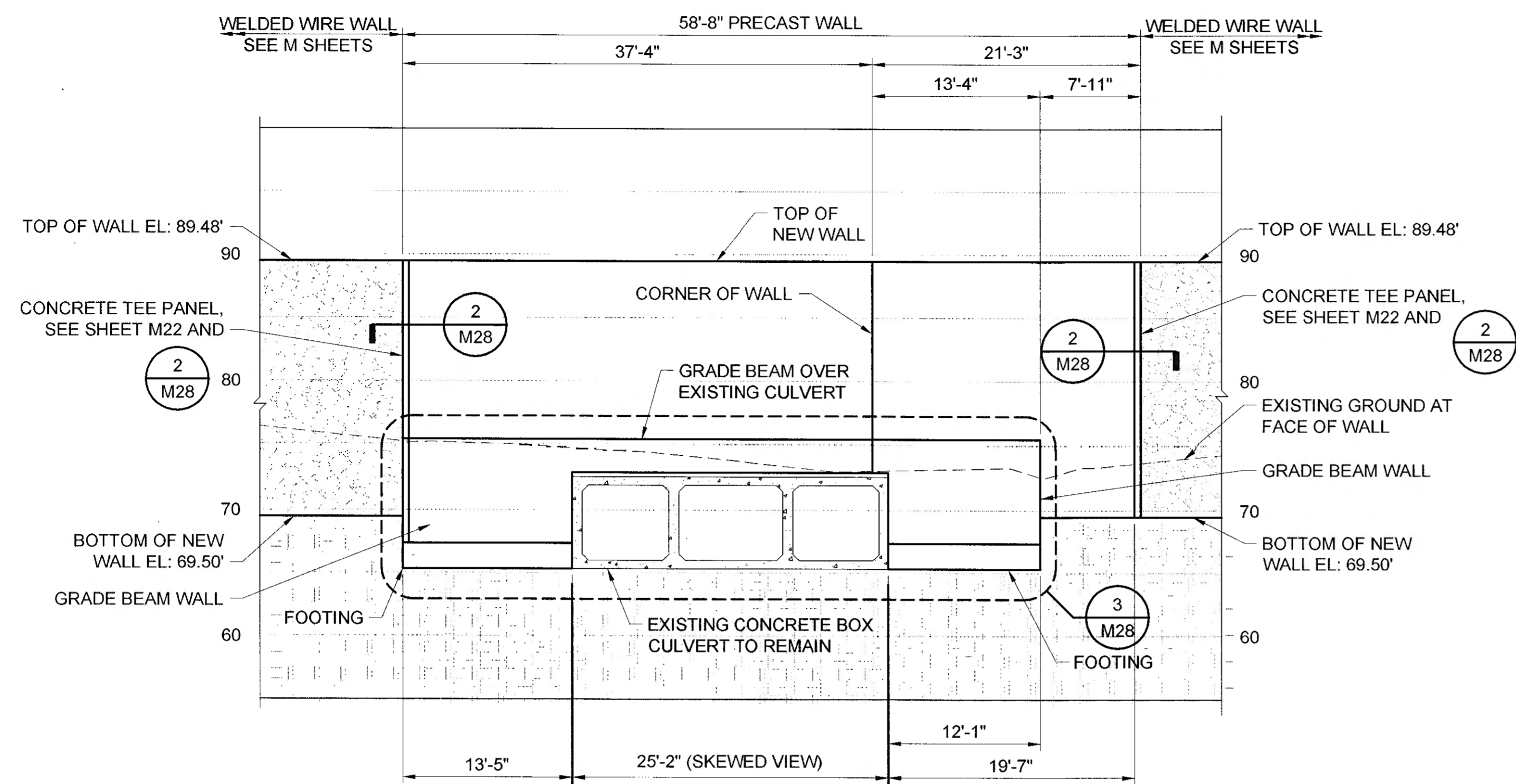
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

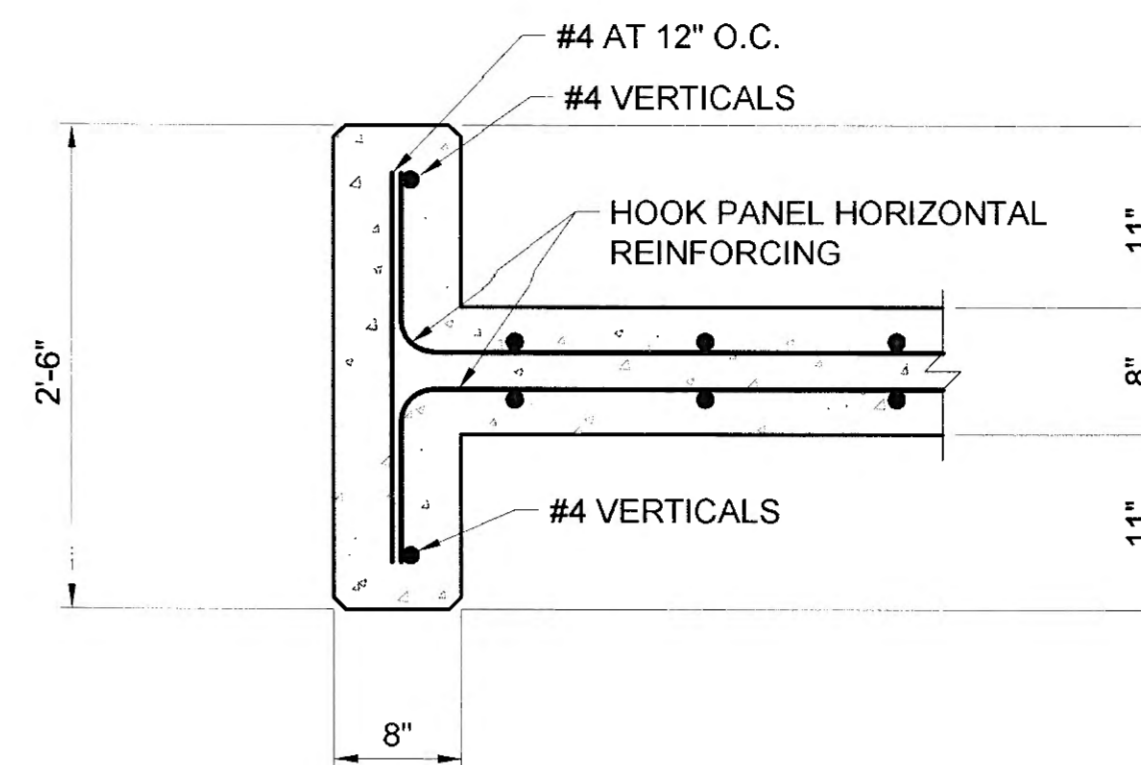
AUKE CREEK CULVERT
 END WALLS

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M27	145

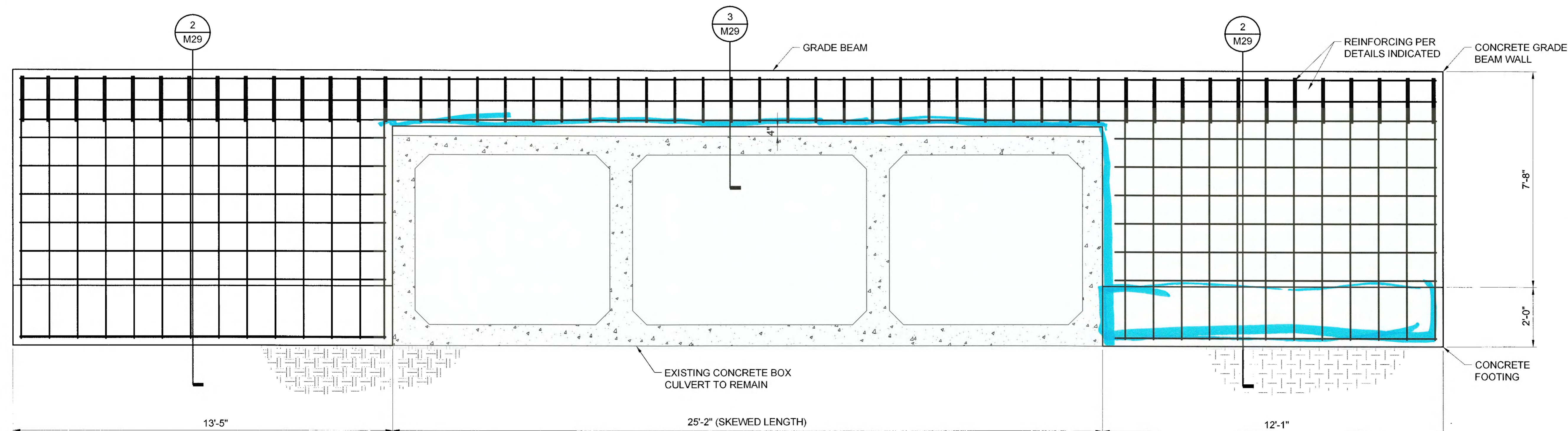
Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE TB Date 1/4/2020



1 PRECAST MSE WALL C2 ELEVATION AT CULVERT
U25



2 TEE PANEL END PLAN - TYPICAL
M28



3 GRADE BEAM ELEVATION AT WALL C2
M28

NOTES:
CONTRACTOR TO DEVELOP AND FURNISH
REINFORCING STEEL LIST AND BENDING
DIAGRAMS PER SPECIFICATION 503-3.01.

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

TAB: M28

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: S. KARI

DESIGNED BY: RJK, KR
DRAWN BY: KR, DJR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

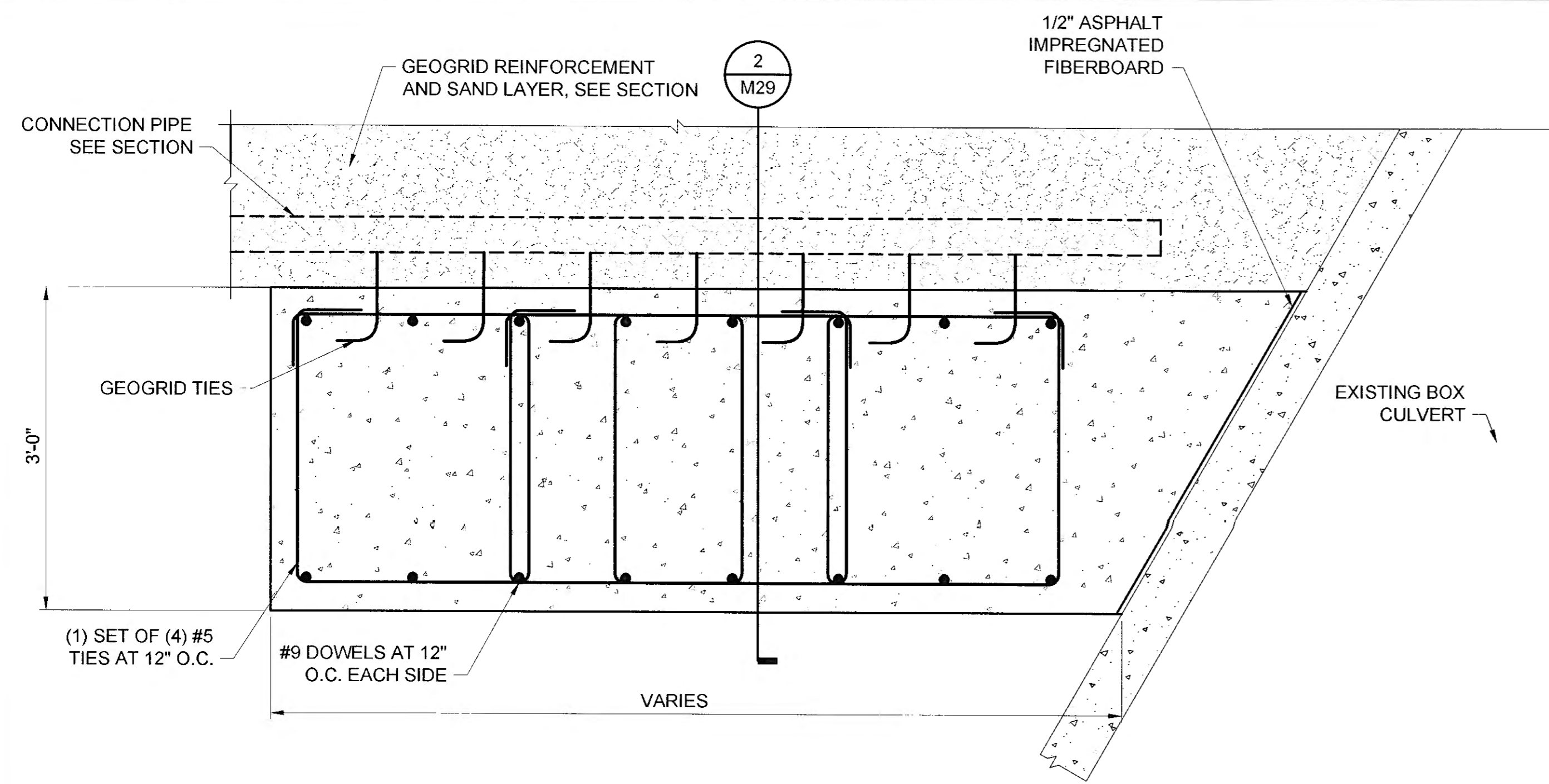
GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

AUKE CREEK CULVERT
END WALLS

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
M28	145

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE TB Date 4/1/2020

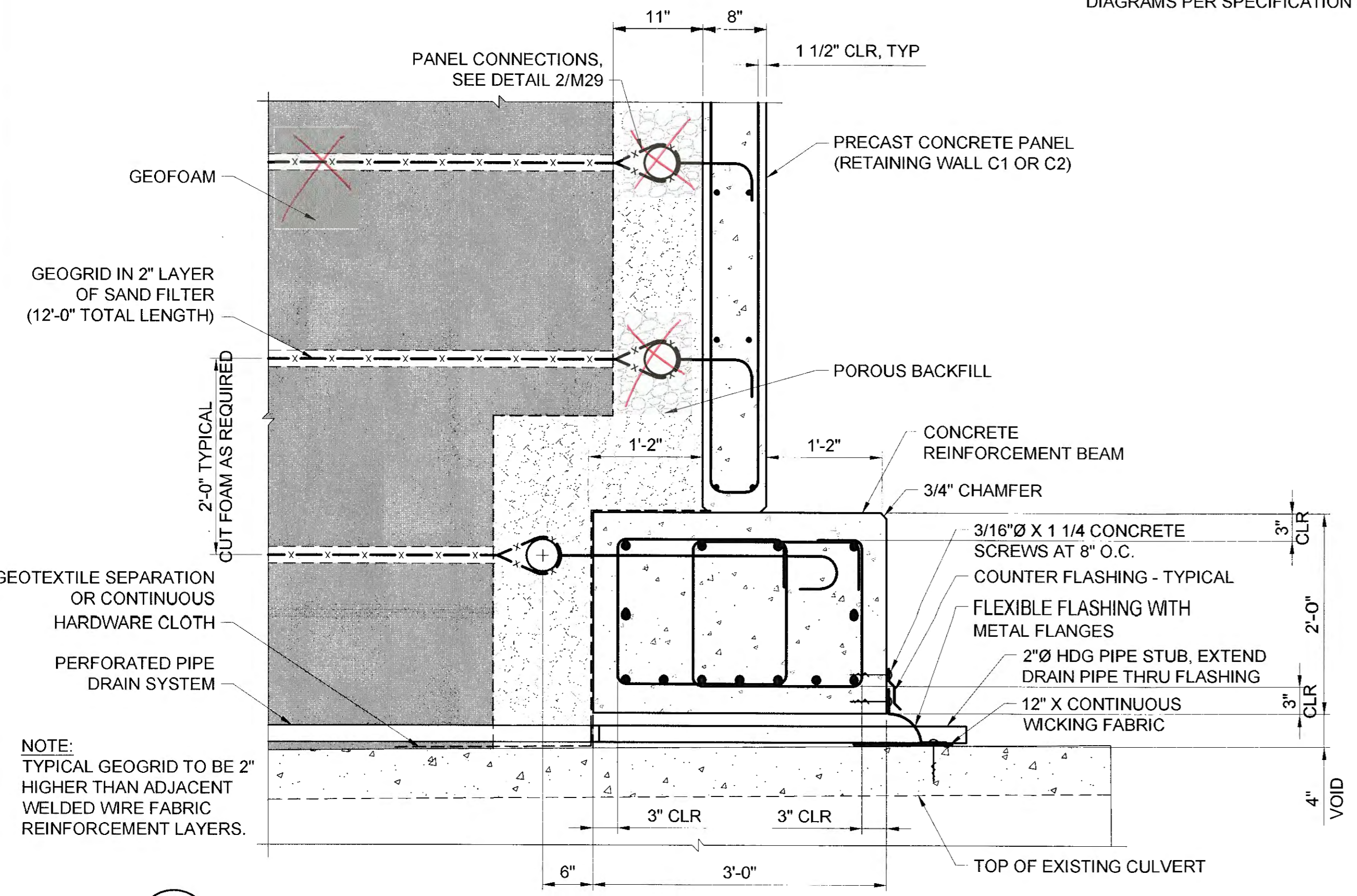


1 PLAN - CONCRETE GRADE BEAM/WALL AT EXISTING CULVERT (TYP)
 M29 SKEW FOR WALL C2 SHOWN

EXCAVATE AND PLACE GEOGRID REINFORCEMENT, EXTEND 12'-0" FROM WALL, (WEST SIDE OF WALL C2; EAST SIDE OF WALL C1)

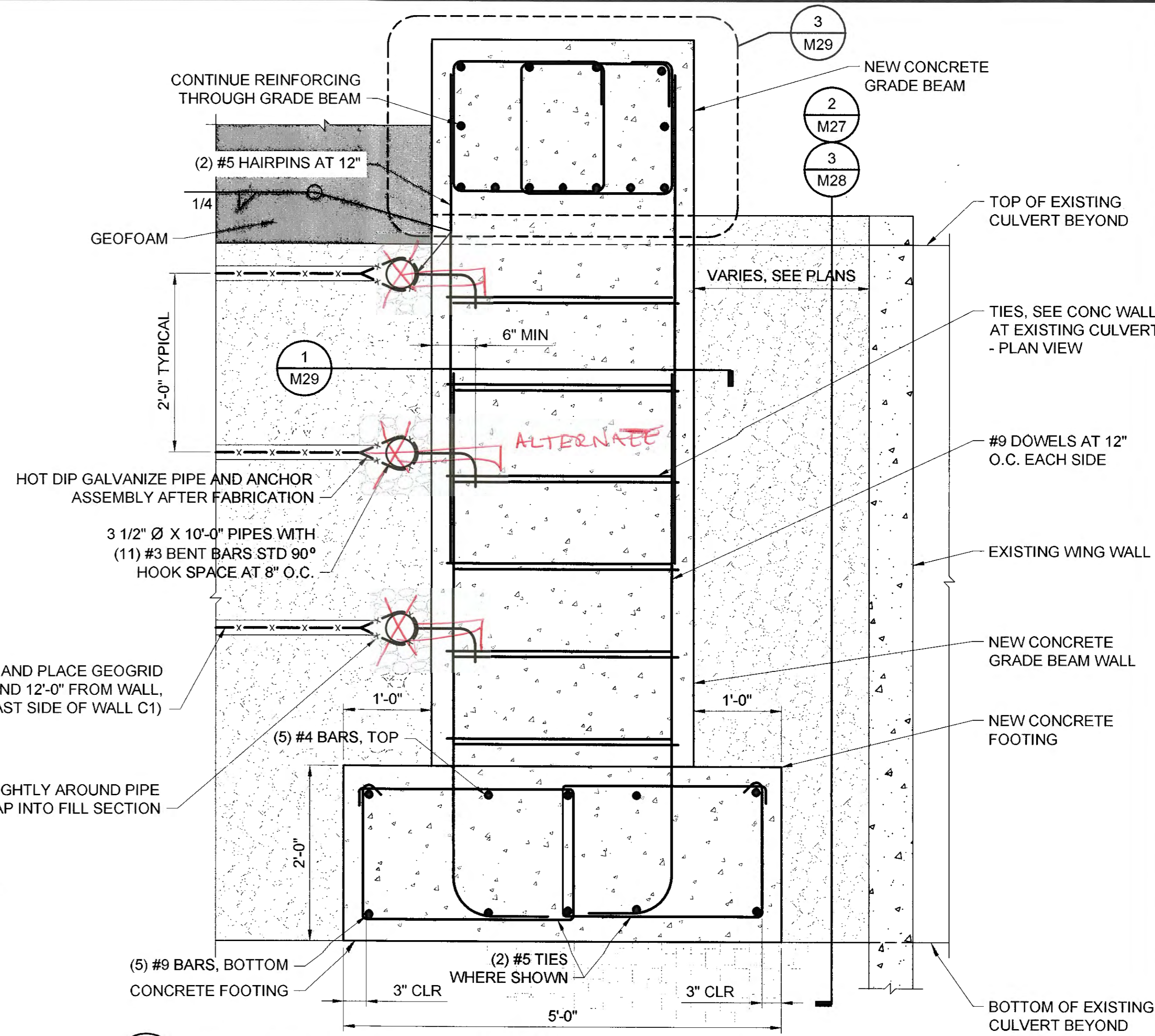
WRAP GEOGRID TIGHTLY AROUND PIPE AND FULLY LAP INTO FILL SECTION

NOTES:
 CONTRACTOR TO DEVELOP AND FURNISH REINFORCING STEEL LIST AND BENDING DIAGRAMS PER SPECIFICATION 503-3.01.

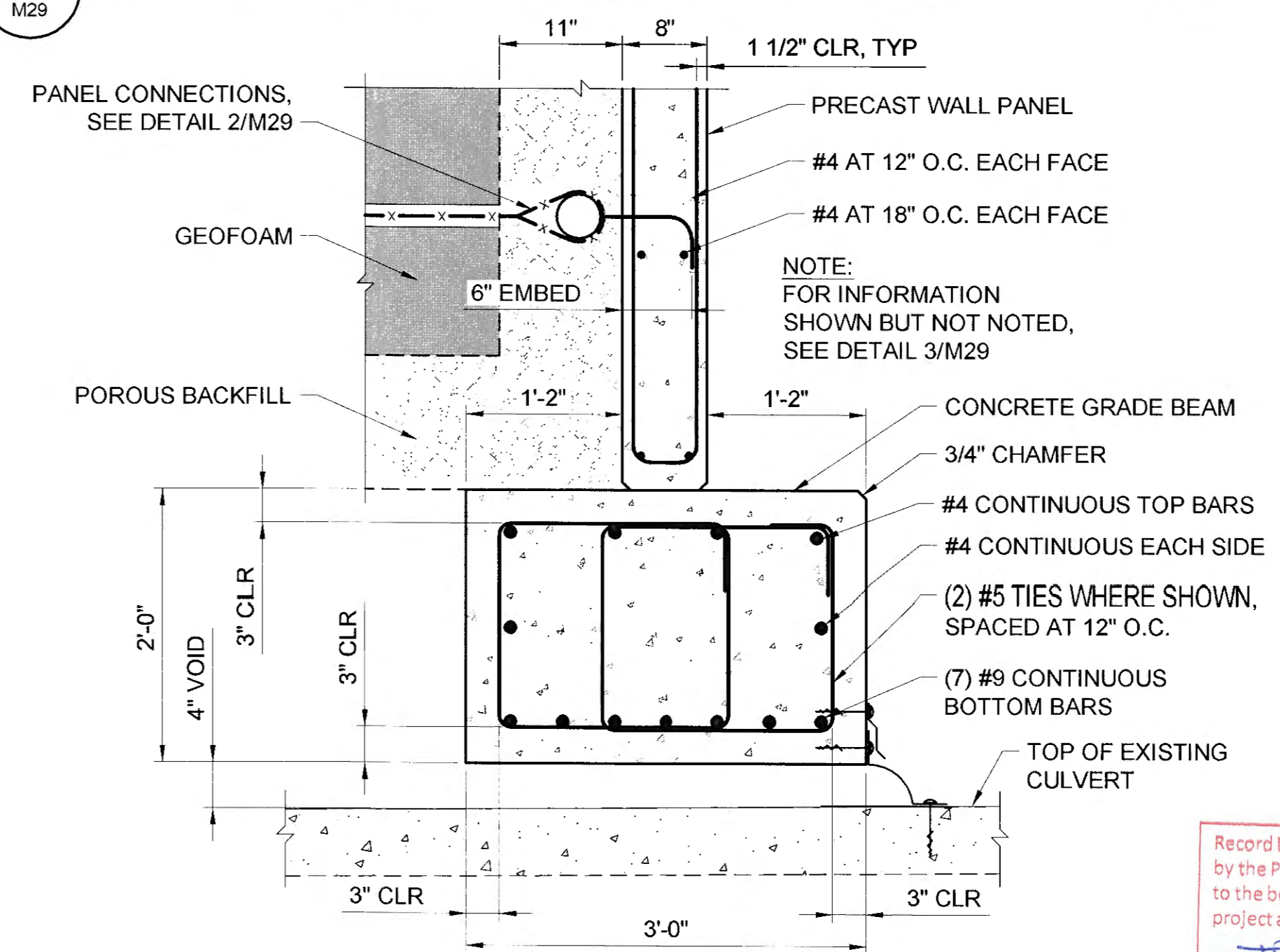


3 CONCRETE GRADE BEAM OVER EXISTING CULVERT
 M29

NOTE:
 TYPICAL GEOGRID TO BE 2" HIGHER THAN ADJACENT WELDED WIRE FABRIC REINFORCEMENT LAYERS.



2 NEW CONCRETE GRADE BEAM SUPPORT WALL
 M29



4 NEW CONCRETE GRADE BEAM REINFORCING
 M29

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2012

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

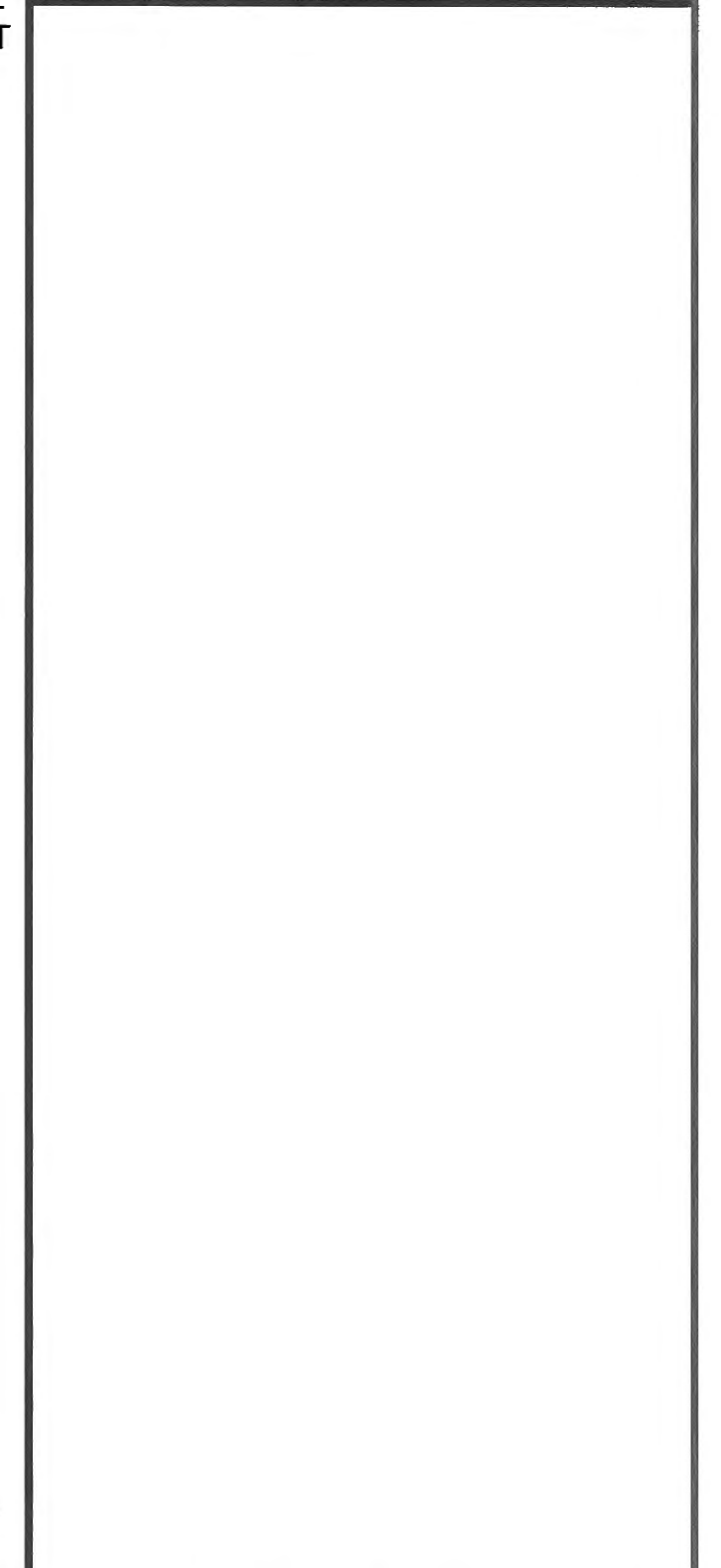
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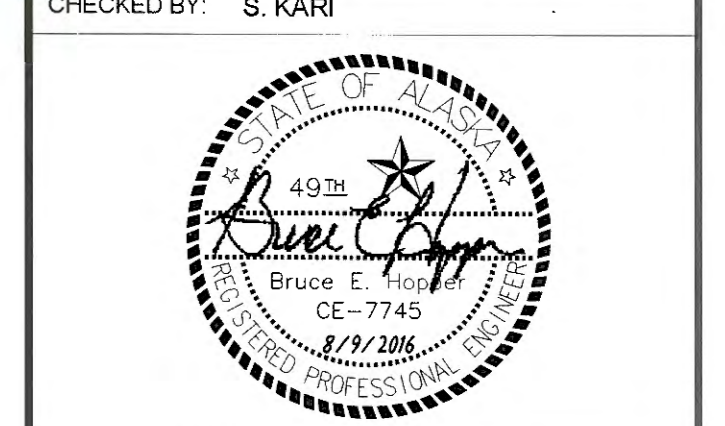
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



CHECKED BY: S. KARI
 DESIGNED BY: RJK, KR
 DRAWN BY: KR, DJR

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

AUKE CREEK CULVERT MSE DETAILS

PROJECT DESIGNATION
0933039/Z684710000

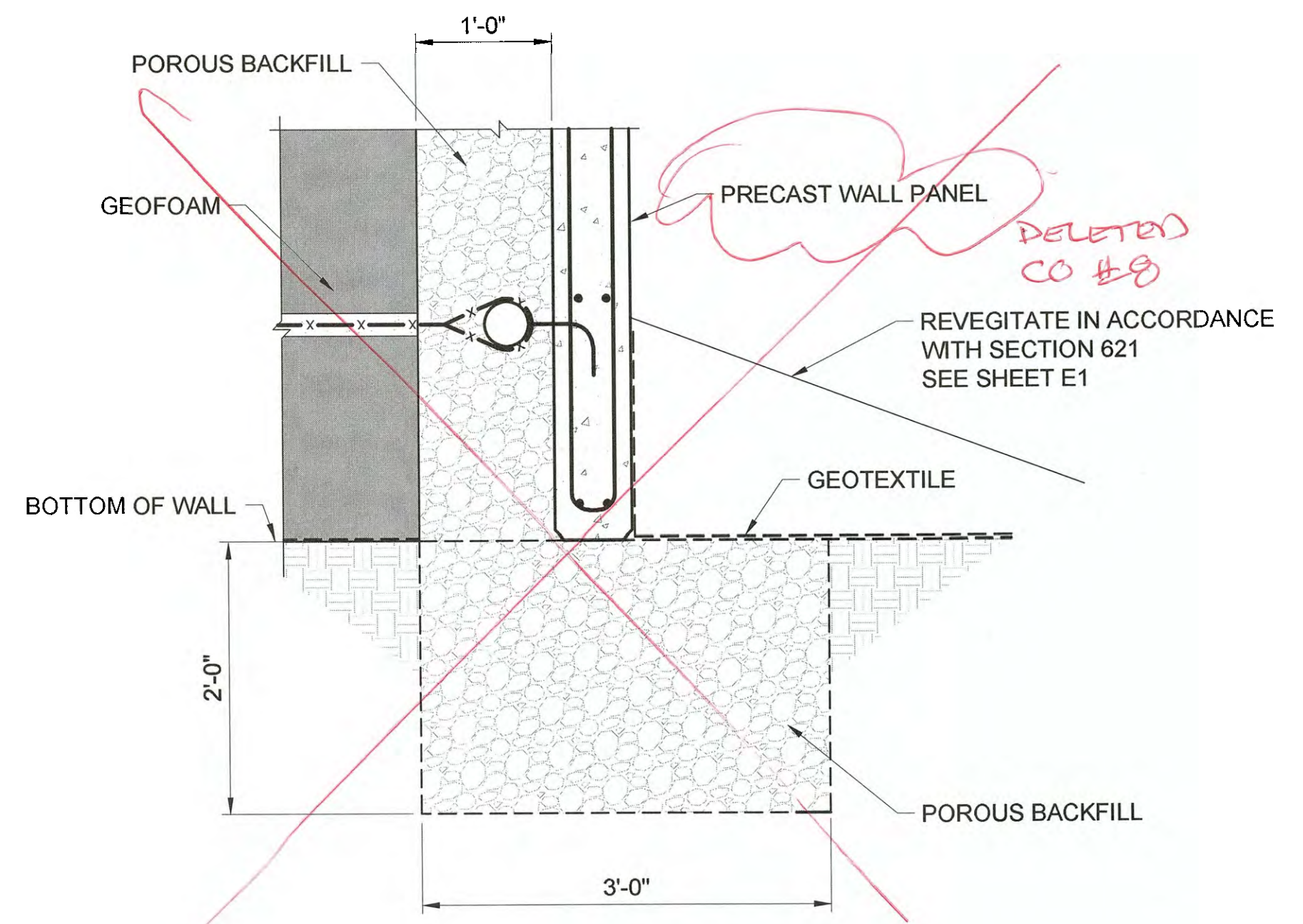
STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
M29	145

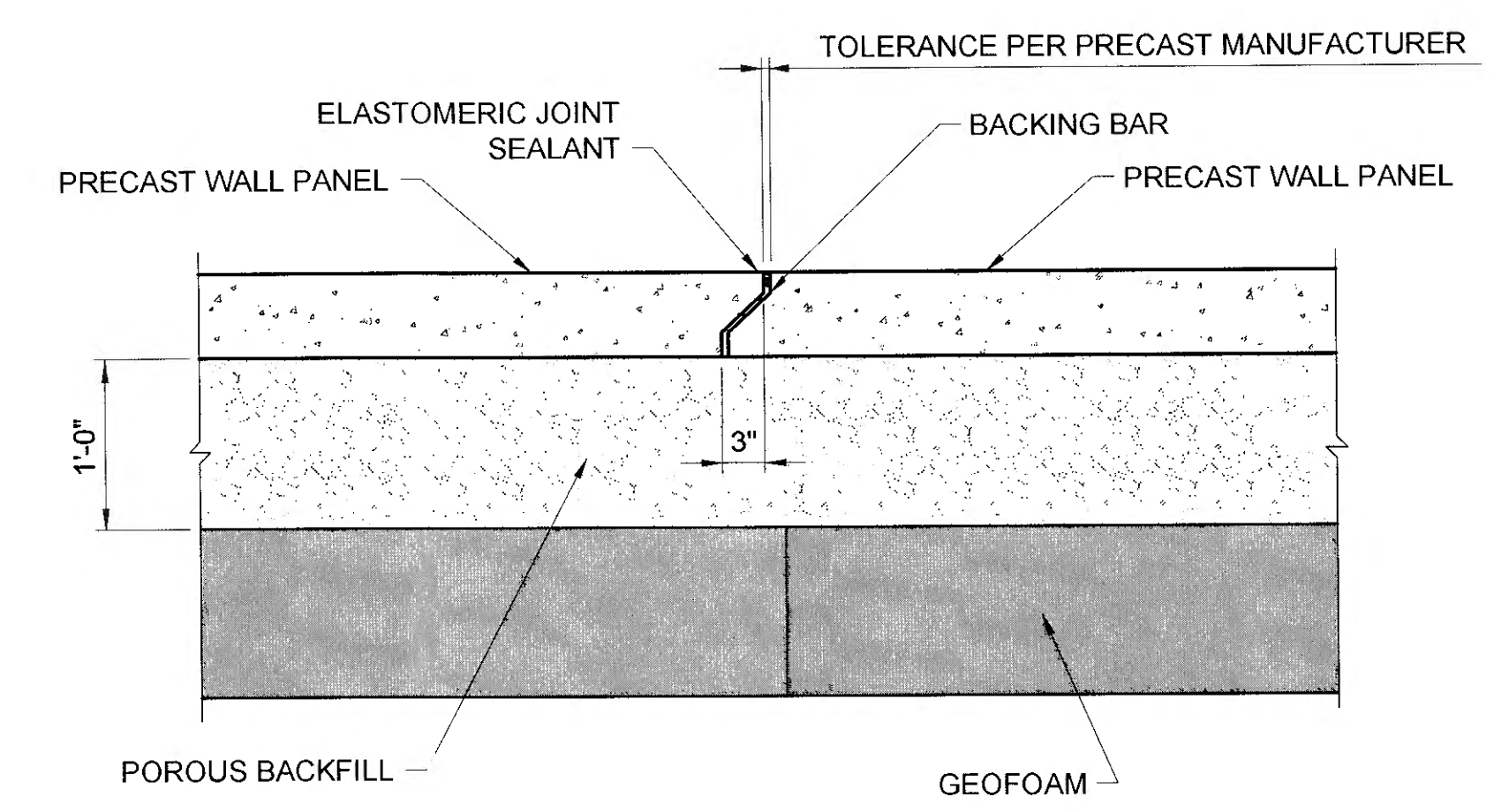
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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: M30		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



1 PRECAST CONCRETE WALL AT GRADE
 M30



2 PLAN - PRECAST CONCRETE WALL JOINT
 M30

PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: RJK, KR

DRAWN BY: KR, DJR

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**AUKE CREEK CULVERT
 PRECAST WALL
 DETAILS**

PROJECT DESIGNATION

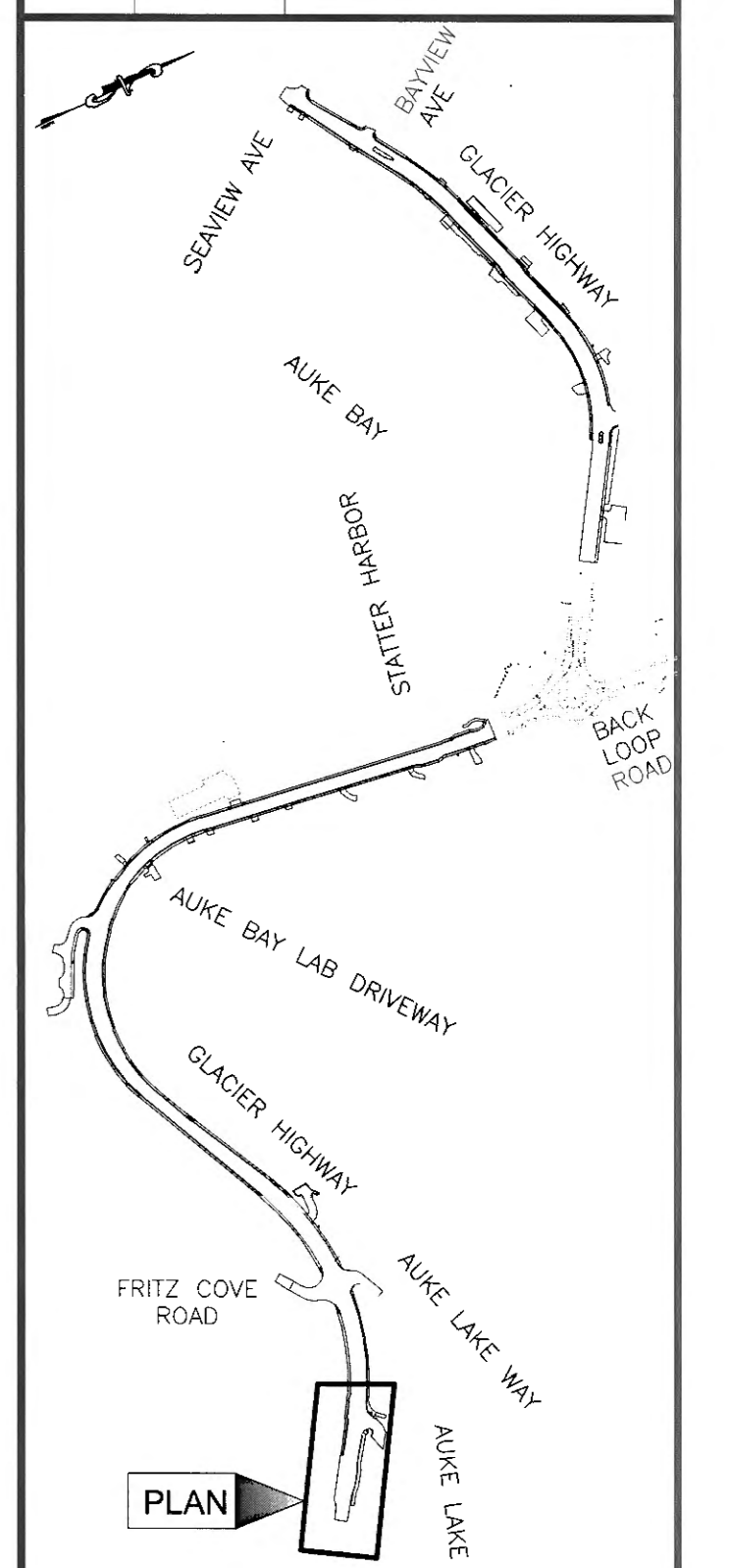
0933039/Z684710000

STATE	YEAR
ALASKA	2016

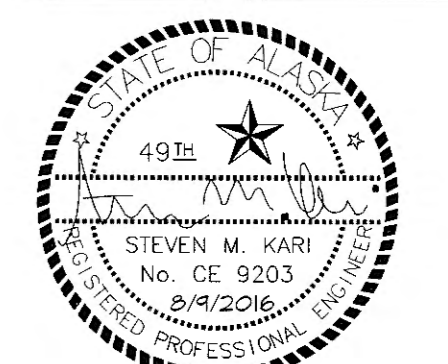
SHEET NUMBER	TOTAL SHEETS
M30	145

Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE TB Date 1/16/2020

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER

DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**ESCP EARTHWORK
 PHASE BMPS**

PROJECT DESIGNATION

0933039/Z684710000

STATE	YEAR
ALASKA	2016

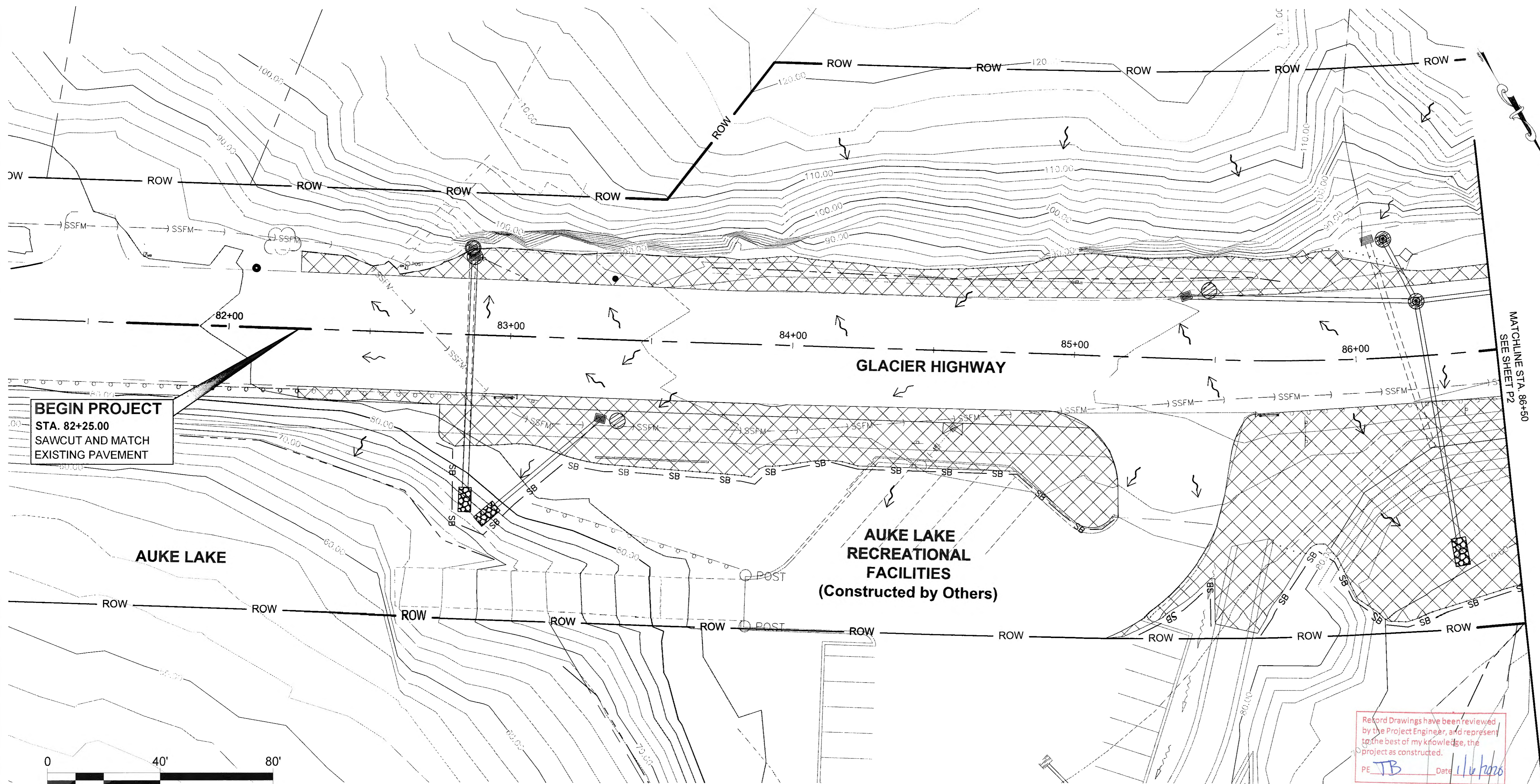
SHEET NUMBER	TOTAL SHEETS
P1	145

LEGEND

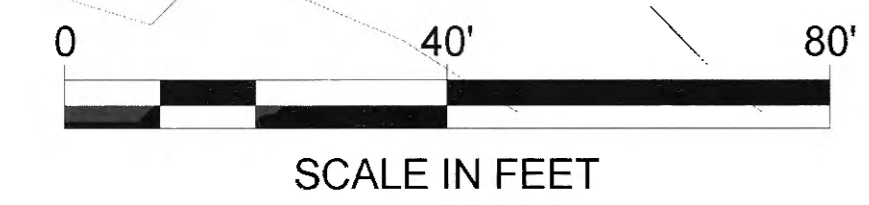
--- = CUT LIMITS	--- = PROPERTY LINE
- - - - - = FILL LIMITS	■ = TEMPORARY ROCK FILTER DAM
→ = FLOW DIRECTION	◇ = TEMPORARY CHECK DAM
---→ = DITCHLINE FLOW DIRECTION	○ = INLET PROTECTION
--- = WATERS OF THE U.S.	▨ = OUTLET PROTECTION
— SB — = TEMPORARY SEDIMENT BARRIER	▩ = AREA OF DISTURBANCE
— ROW — = RIGHT OF WAY	— FISH — = FISH STREAM
— UD — = PROPOSED UNDERDRAIN	— WETLANDS — = WETLANDS
— RB — = TEMPORARY REINFORCED BARRIER	

GENERAL NOTES:

1. REFER TO ESCP IN APPENDIX D.
2. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO EARTH DISTURBING ACTIVITIES.
3. THE LOCATIONS OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO CONTRACT SPECIFICATION SECTION 641 AND THE ESCP.



BEGIN PROJECT
 STA. 82+25.00
 SAWCUT AND MATCH
 EXISTING PAVEMENT



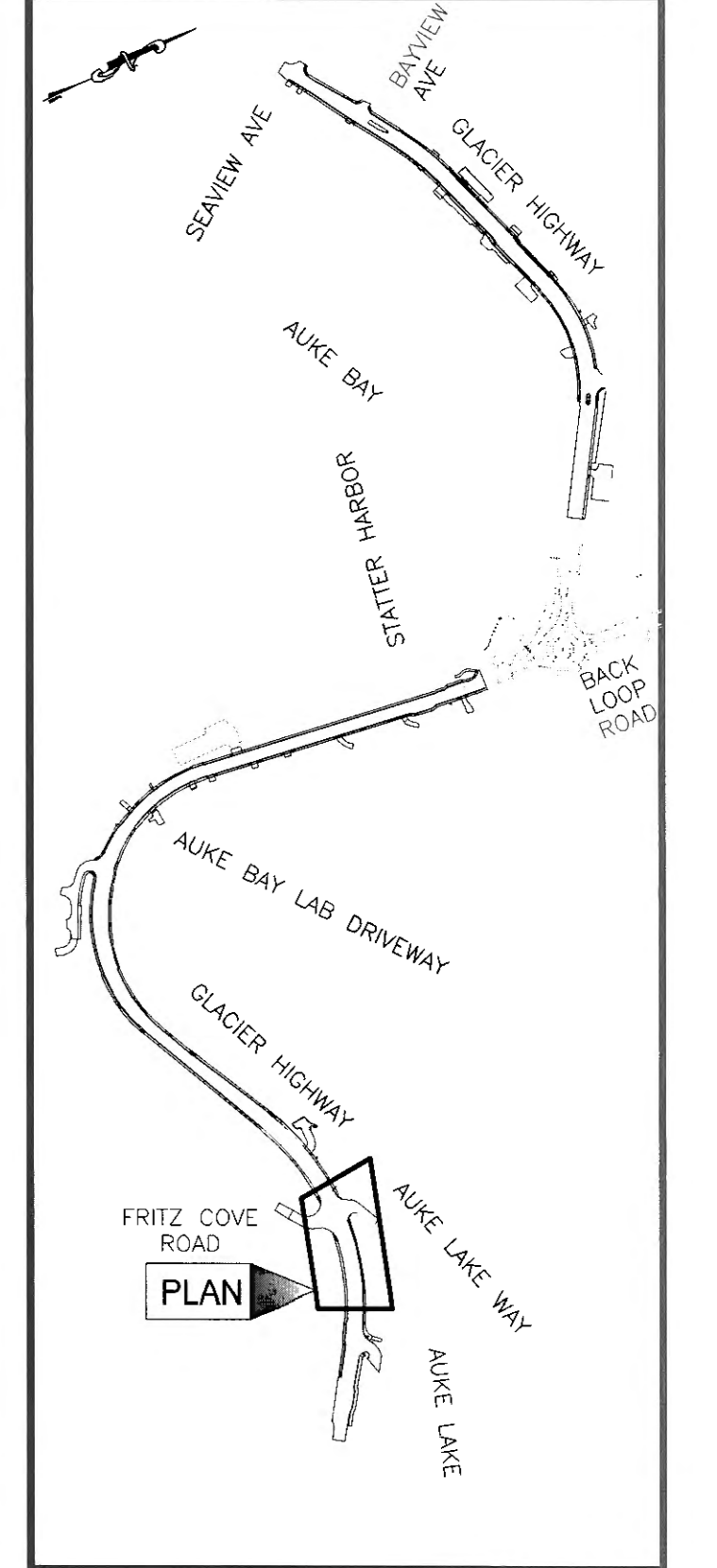
Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE JB Date 1/16/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

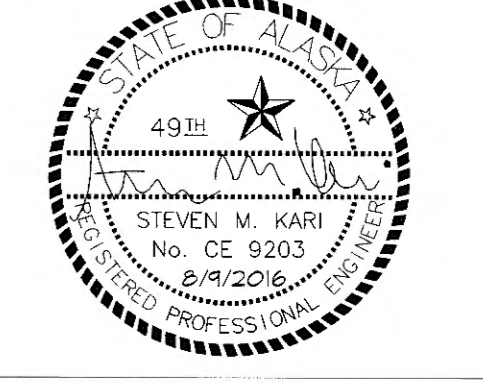
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: P2
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

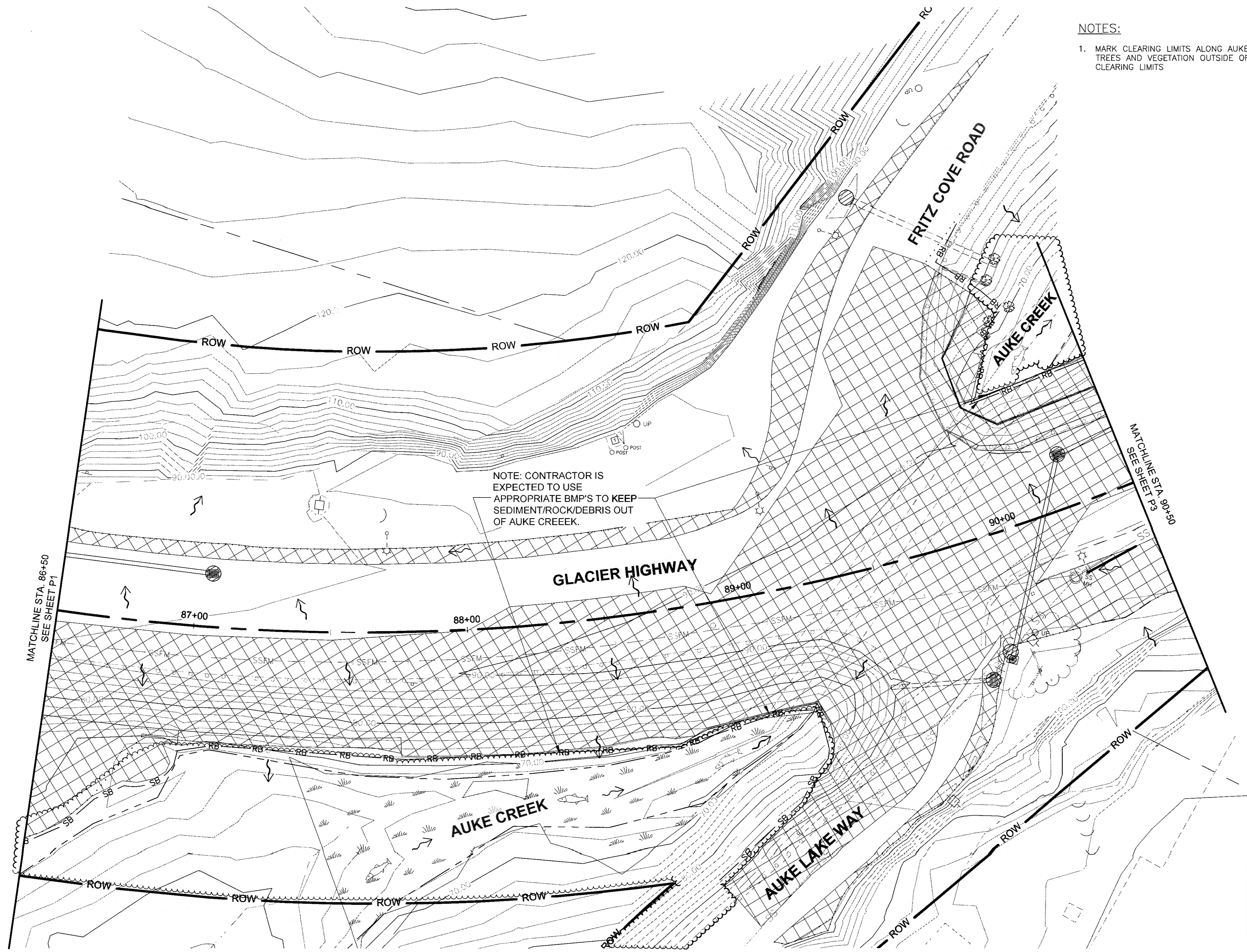
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

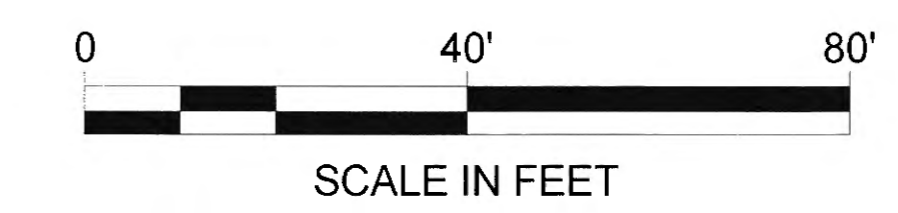
**ESCP EARTHWORK
 PHASE BMPS**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P2	145

NOTES:
 1. MARK CLEARING LIMITS ALONG AUKE CREEK. PROTECT TREES AND VEGETATION OUTSIDE OF NECESSARY CLEARING LIMITS



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/14/2020



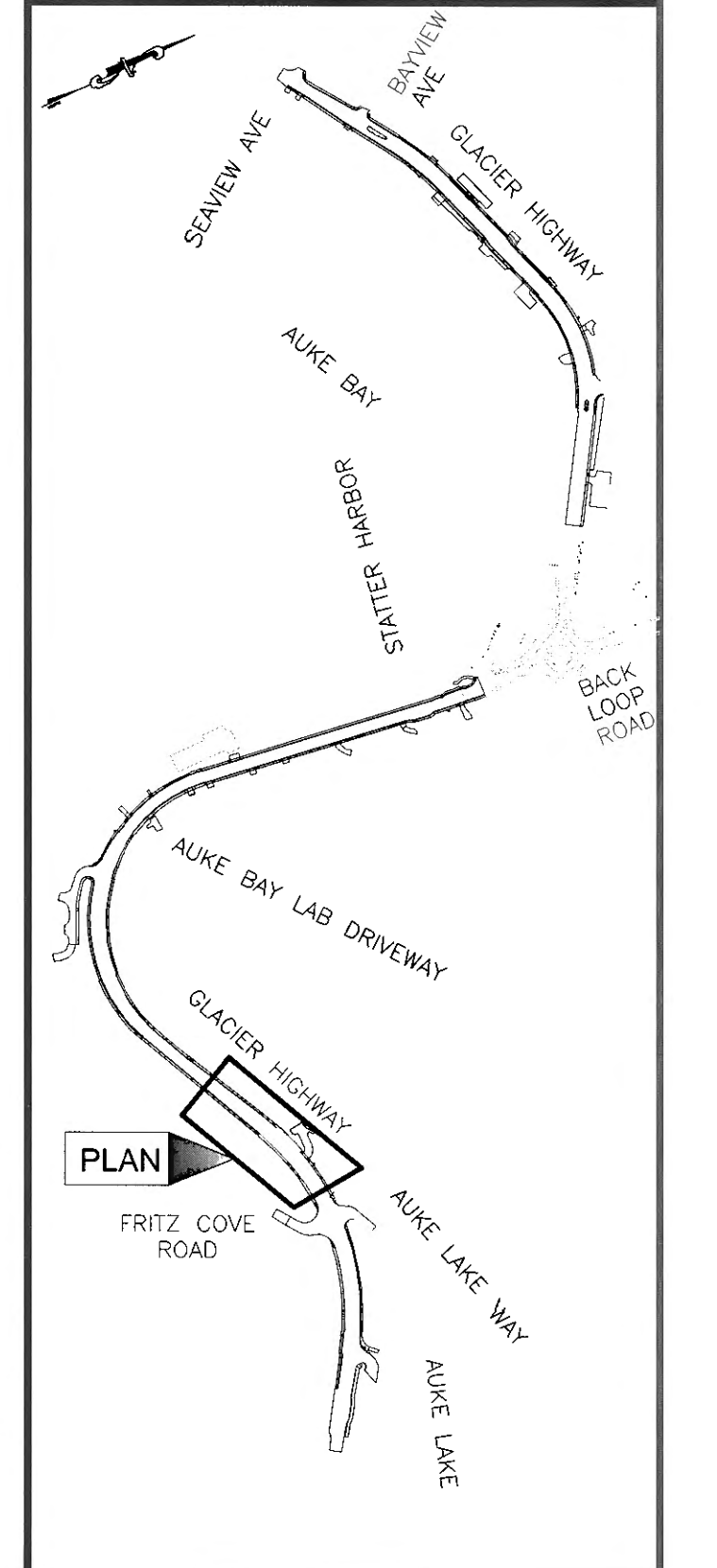
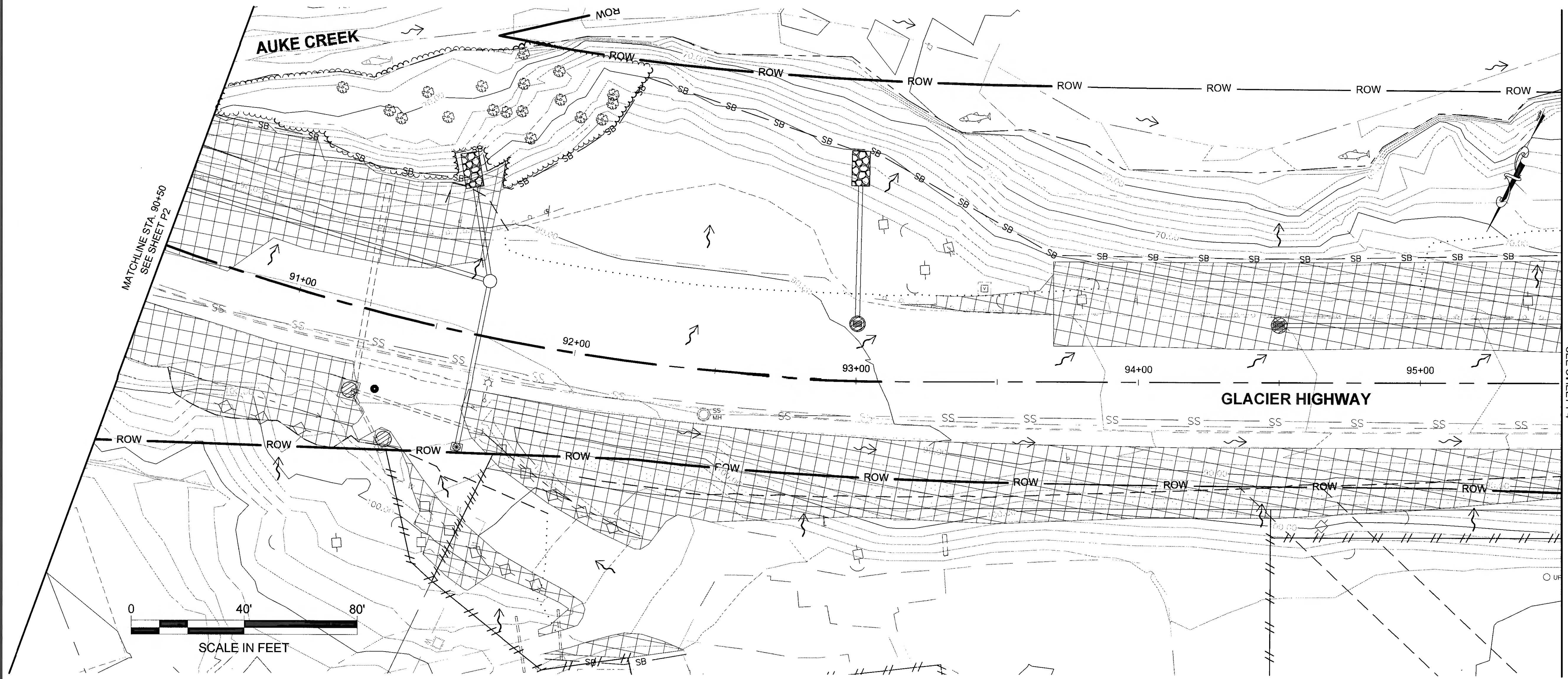
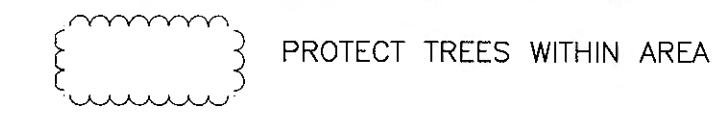
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: P3		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

NOTES:
 1. MARK CLEARING LIMITS ALONG AUKE CREEK, PROTECT TREES OUTSIDE OF NECESSARY CLEARING LIMITS



CHECKED BY: S. KARI

DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**ESCP EARTHWORK
 PHASE BMPS**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P3	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/16/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

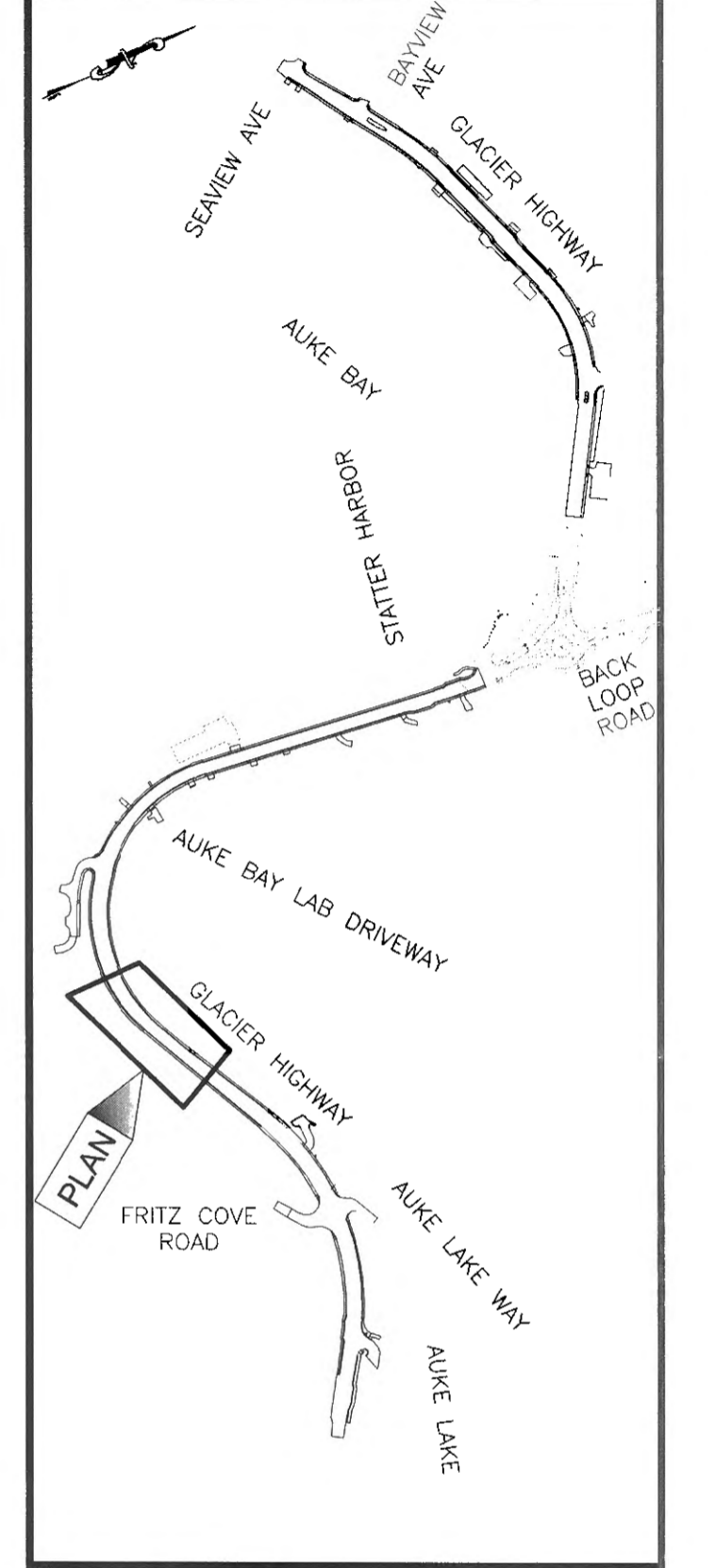
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

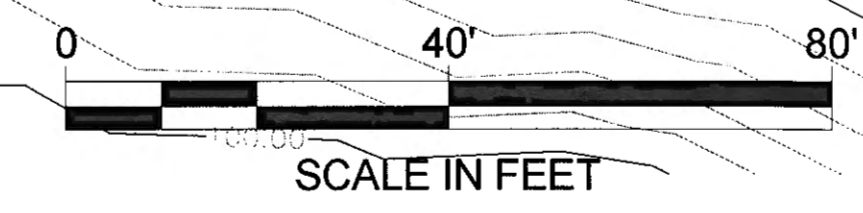
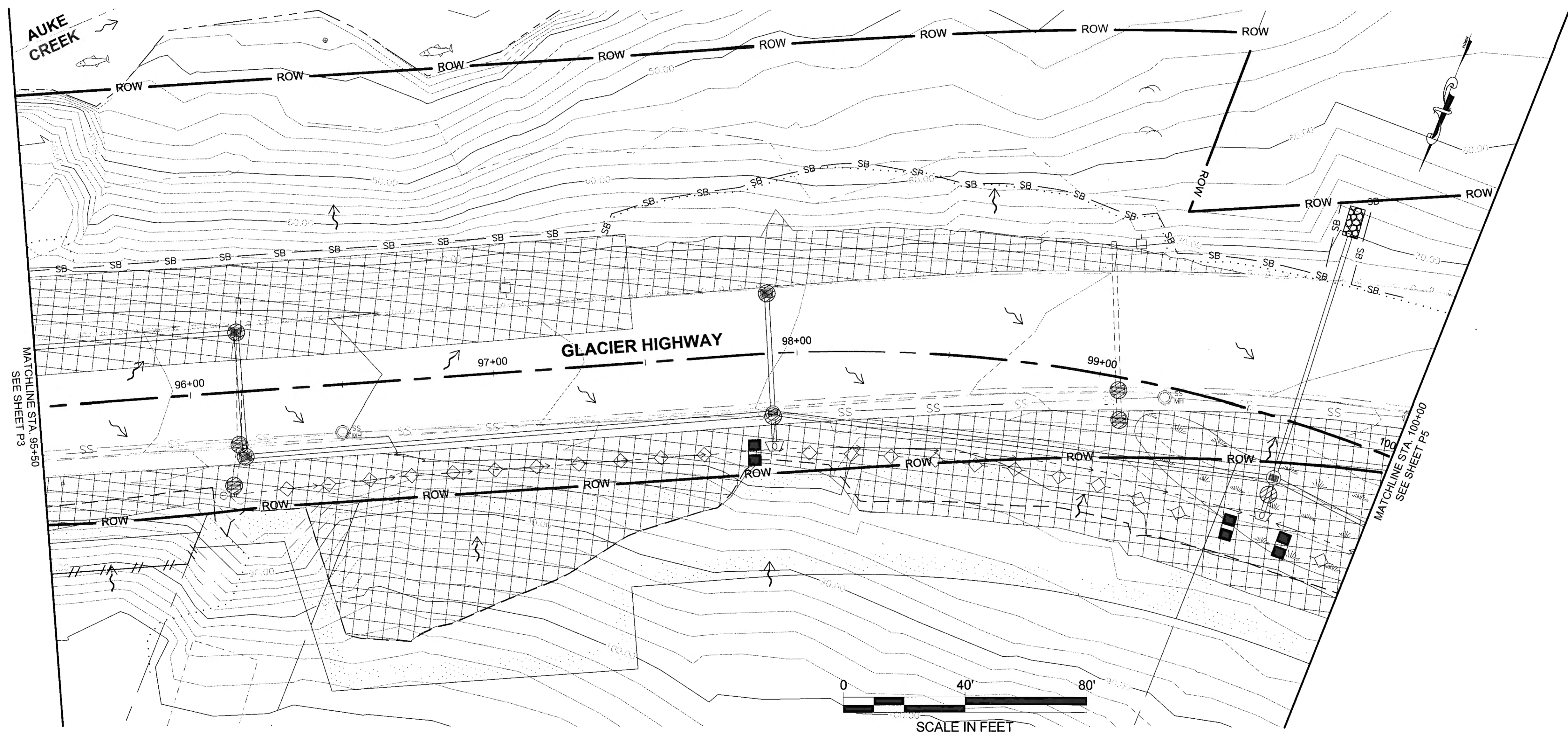
**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**ESCP EARTHWORK
 PHASE BMPS**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
P4	145



Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE TB Date 1/16/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

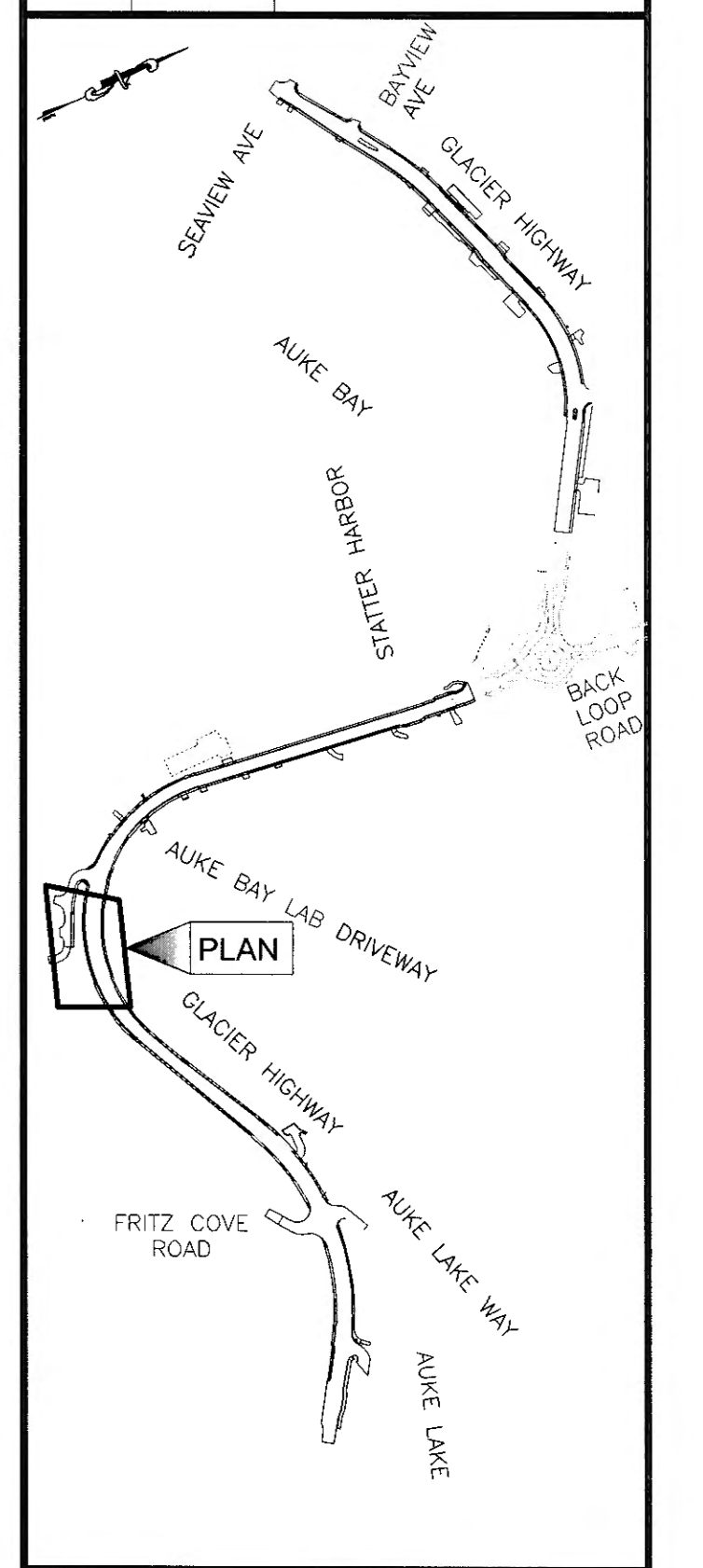
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ADDENDUM NUMBER

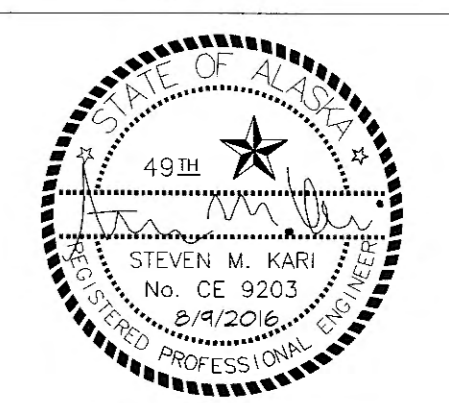
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER

DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**ESCP EARTHWORK
 PHASE BMPS**

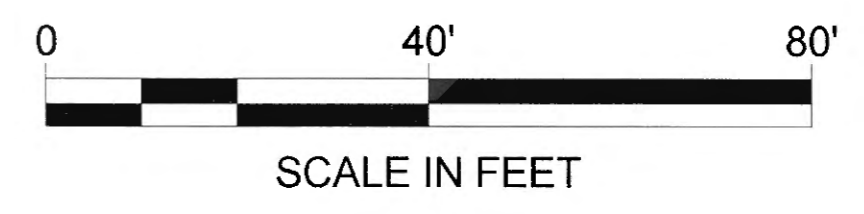
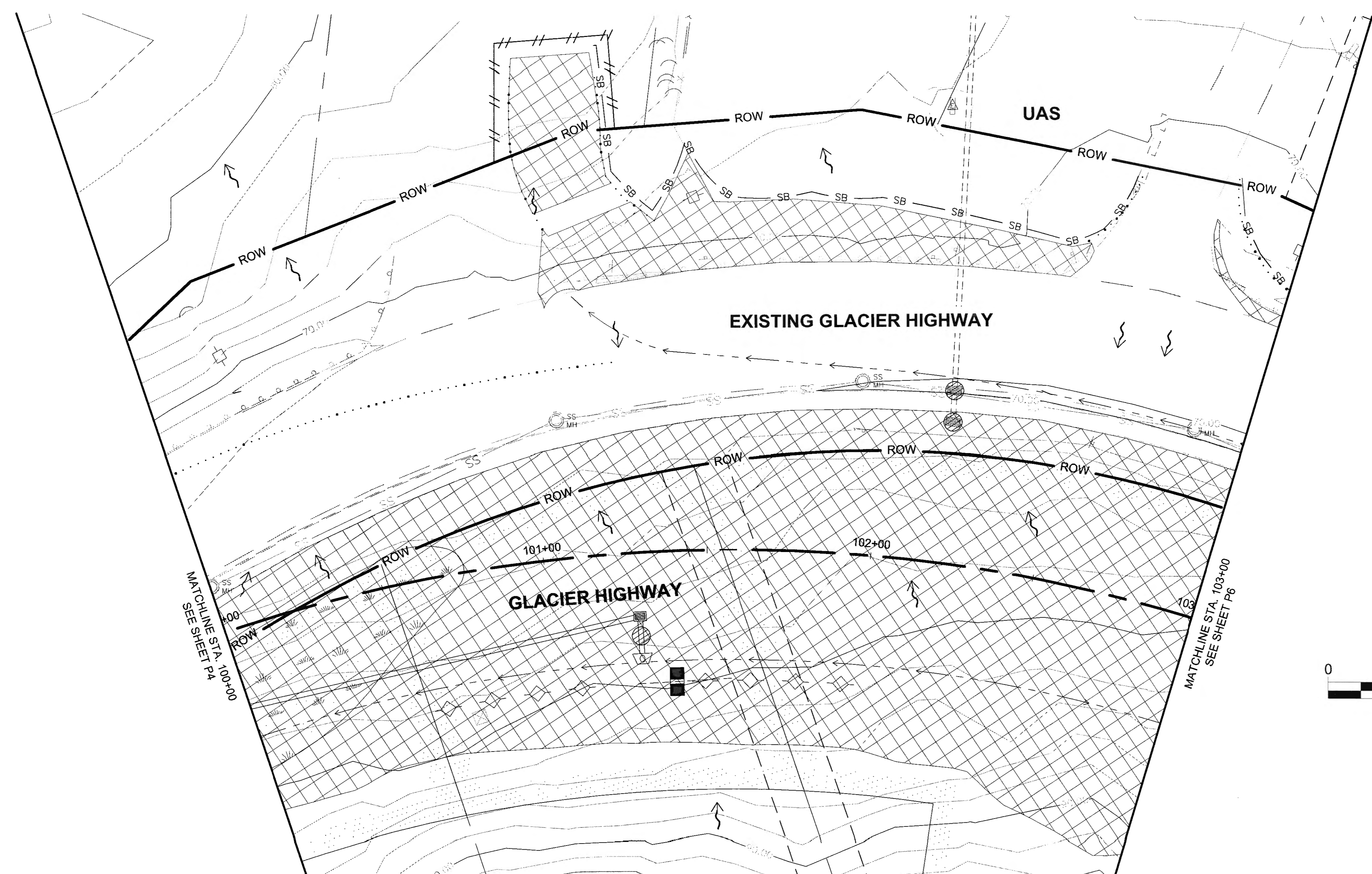
PROJECT DESIGNATION

0933039/Z684710000

STATE ALASKA YEAR 2016

SHEET NUMBER TOTAL SHEETS

P5 145



Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE TB Date 11/6/2020

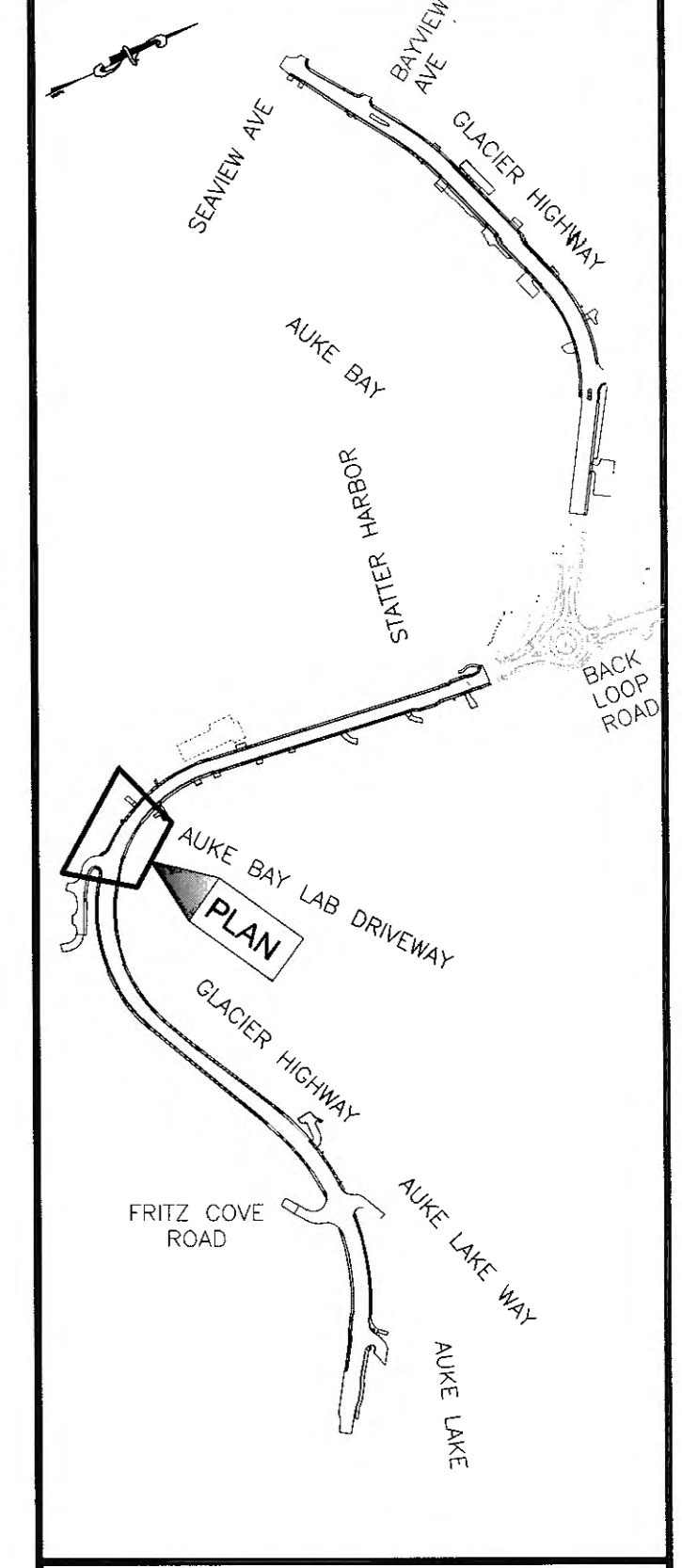
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: P6
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

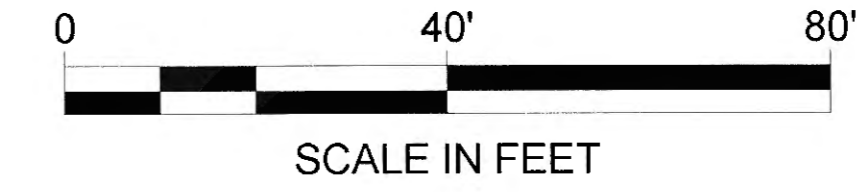
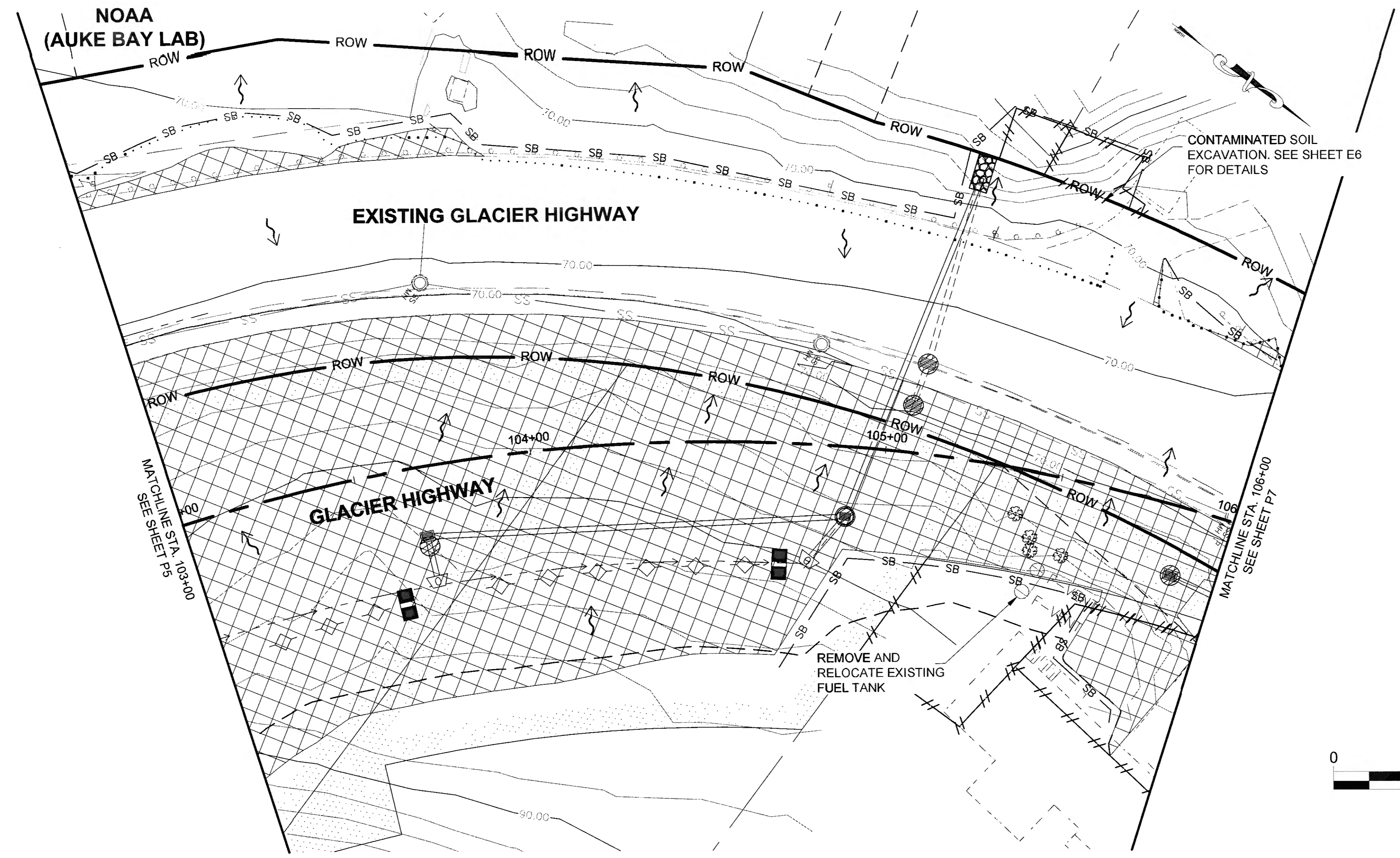
**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**ESCP EARTHWORK
 PHASE BMPS**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P6	145

NOTES:

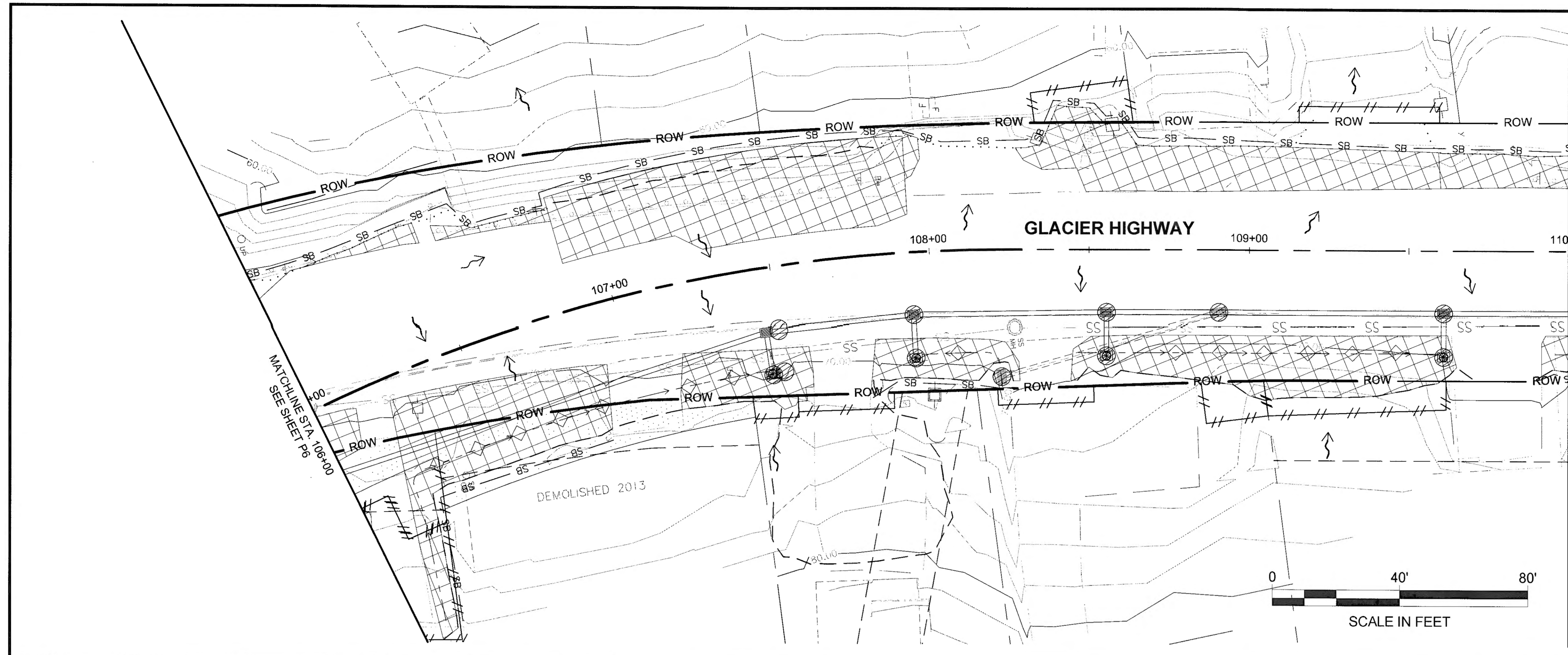
- EXCAVATION DEWATERING WITHIN 1,500 FEET OF CONTAMINATED SOIL WILL REQUIRE AN NOI UNDER THE ADEC EXCAVATION DEWATERING GENERAL PERMIT.



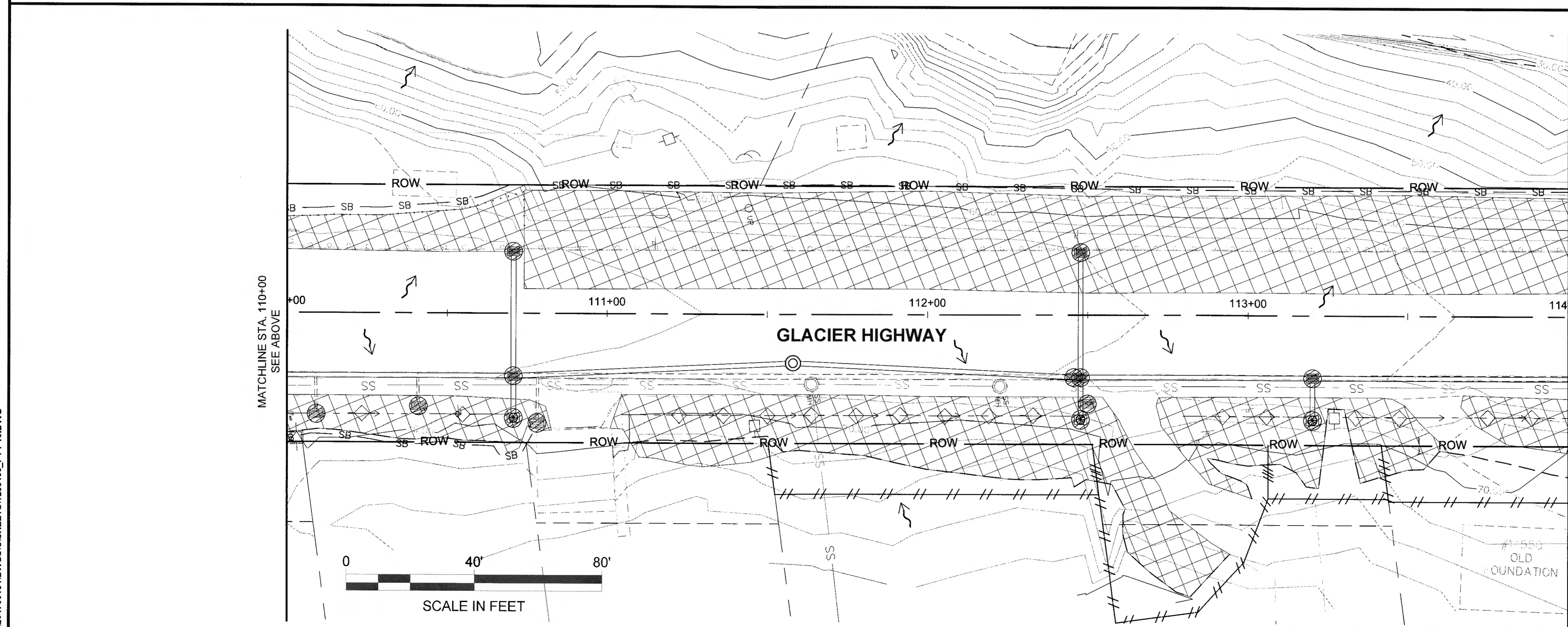
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *TB* Date *4/17/2020*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2047001\54\DWGS\CS\SHEETS\1289400_P1-P10.DWG



MATCHLINE STA. 110+00
SEE BELOW



MATCHLINE STA. 110+00
SEE ABOVE

MATCHLINE STA. 114+00
SEE SHEET P8

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE TB Date 1/4/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

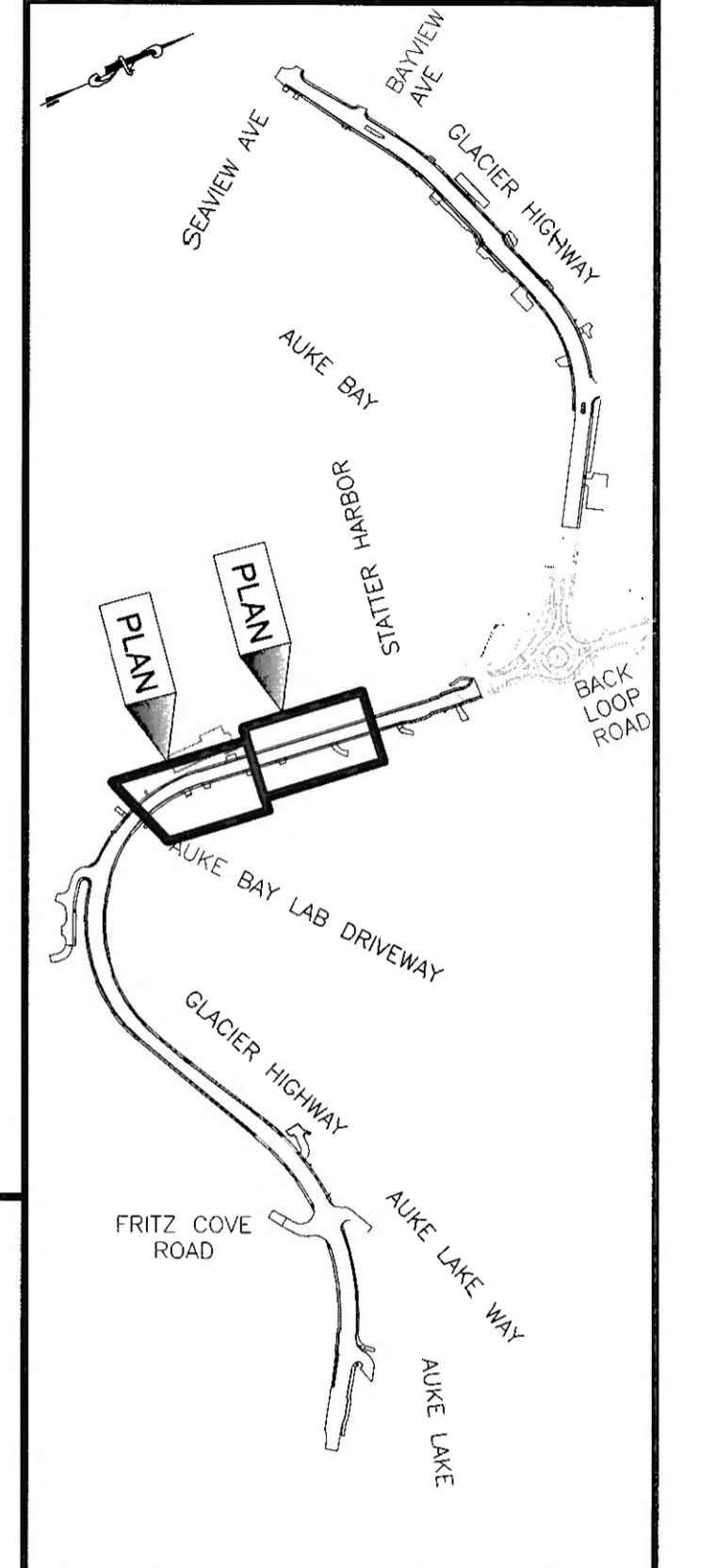
TAB: P7

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI

DESIGNED BY: M. SPICER
DRAWN BY: C. PANNONE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

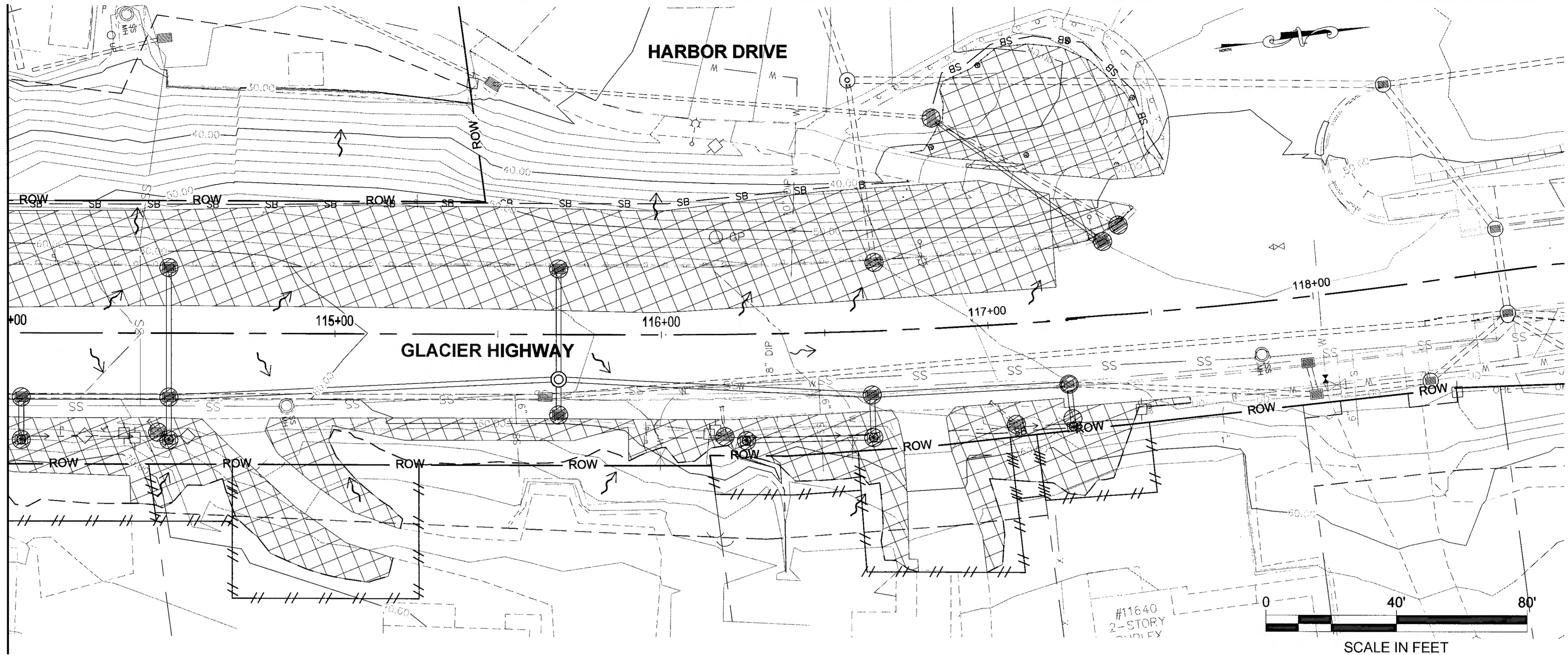
ESCP EARTHWORK
PHASE BMPS

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

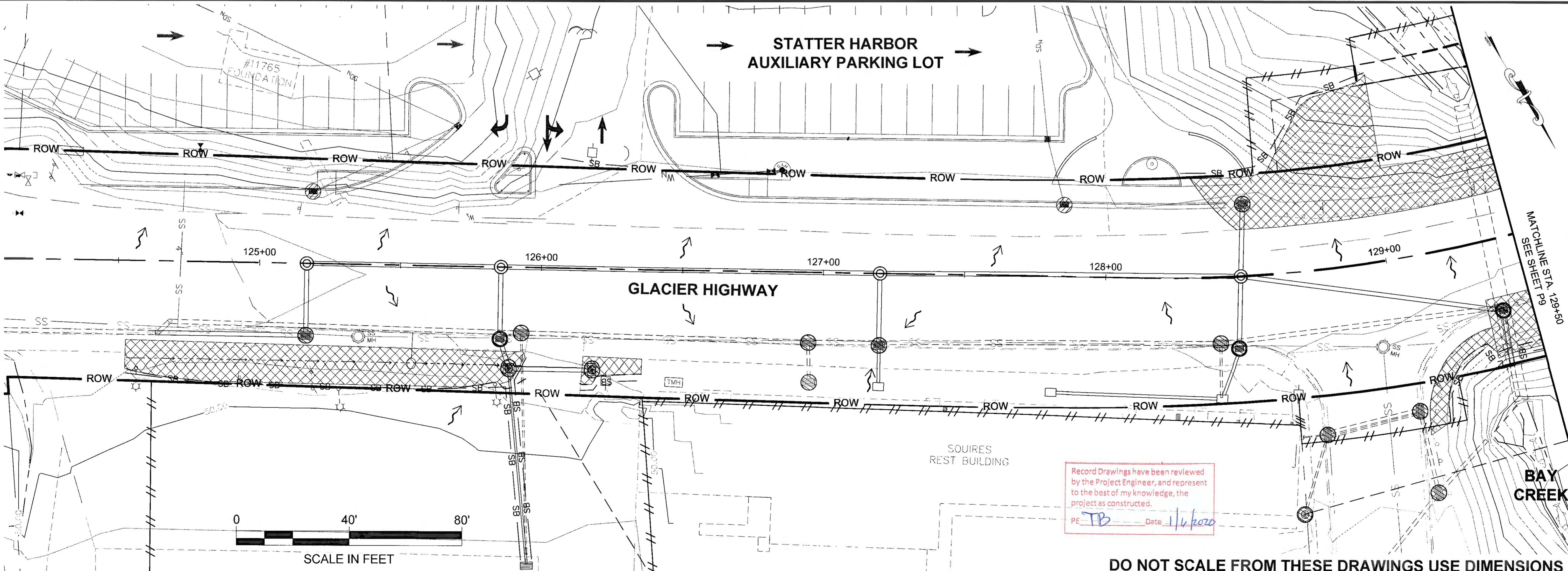
SHEET NUMBER	TOTAL SHEETS
P7	145

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



MATCHLINE STA. 114+00
SEE SHEET P7

0 40' 80'
SCALE IN FEET



0 40' 80'
SCALE IN FEET

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE: TB Date: 1/14/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

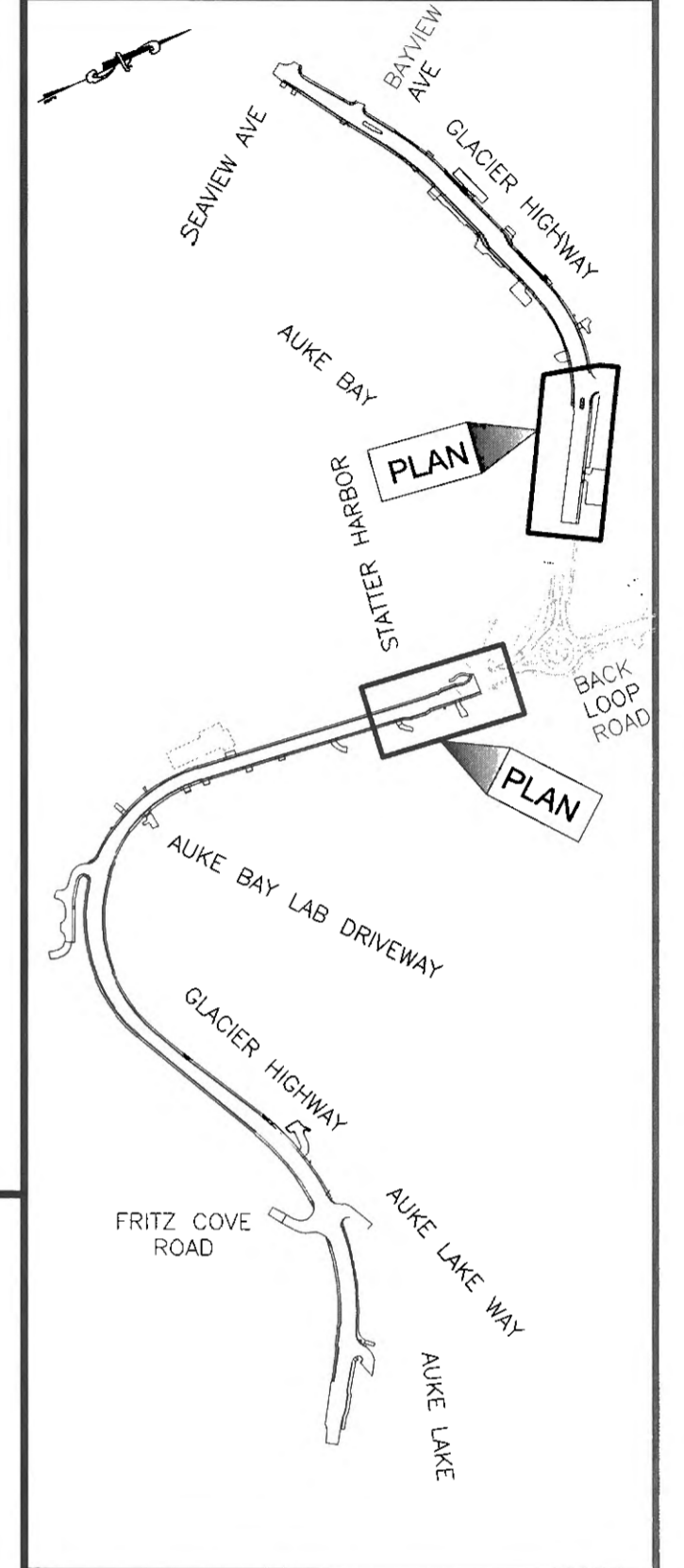
TAB: P8

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
DRAWN BY: C. PANNONE
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

ESCP EARTHWORK
PHASE BMPS

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
P8	145

PATH: U:\2017\0154\DWGS\CSHETS\128440_P1-P10.DWG

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

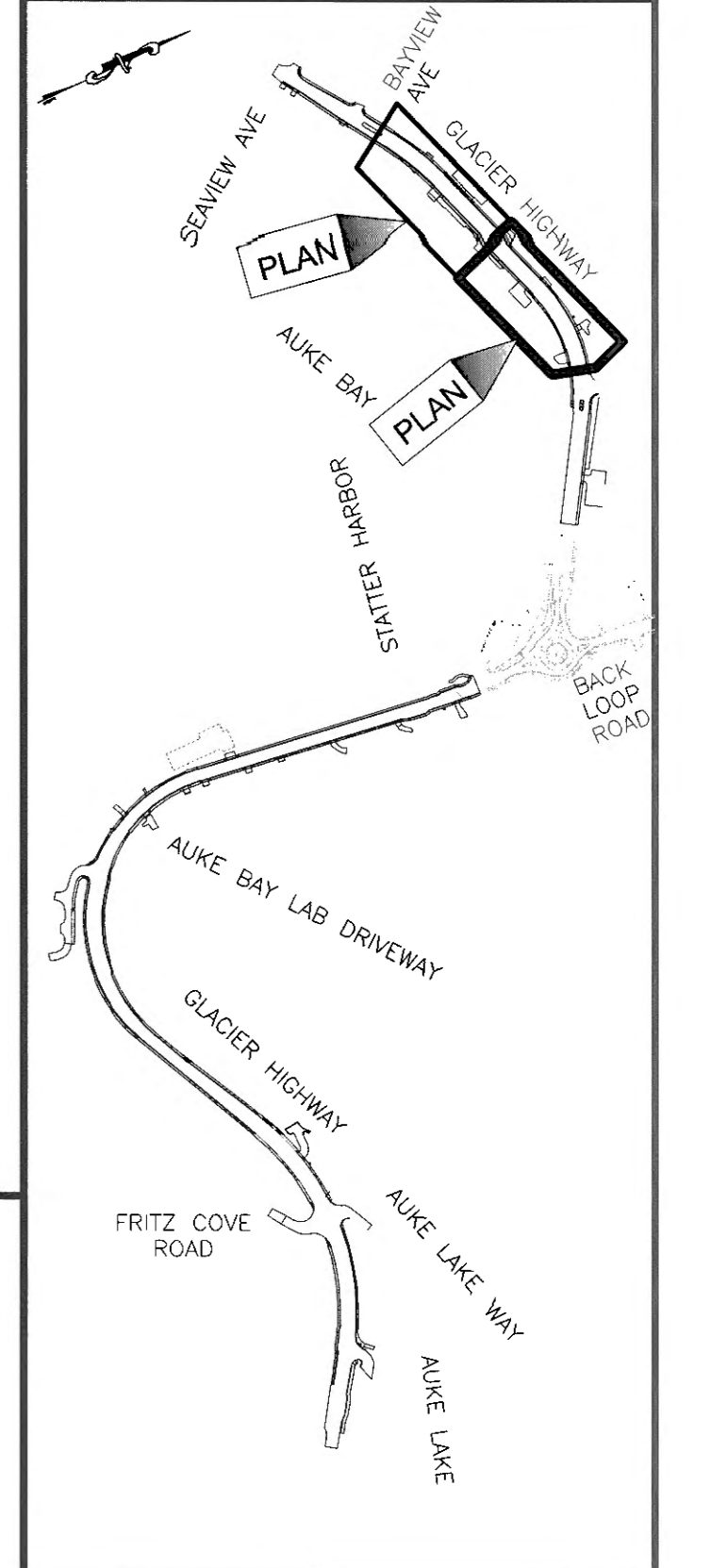
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



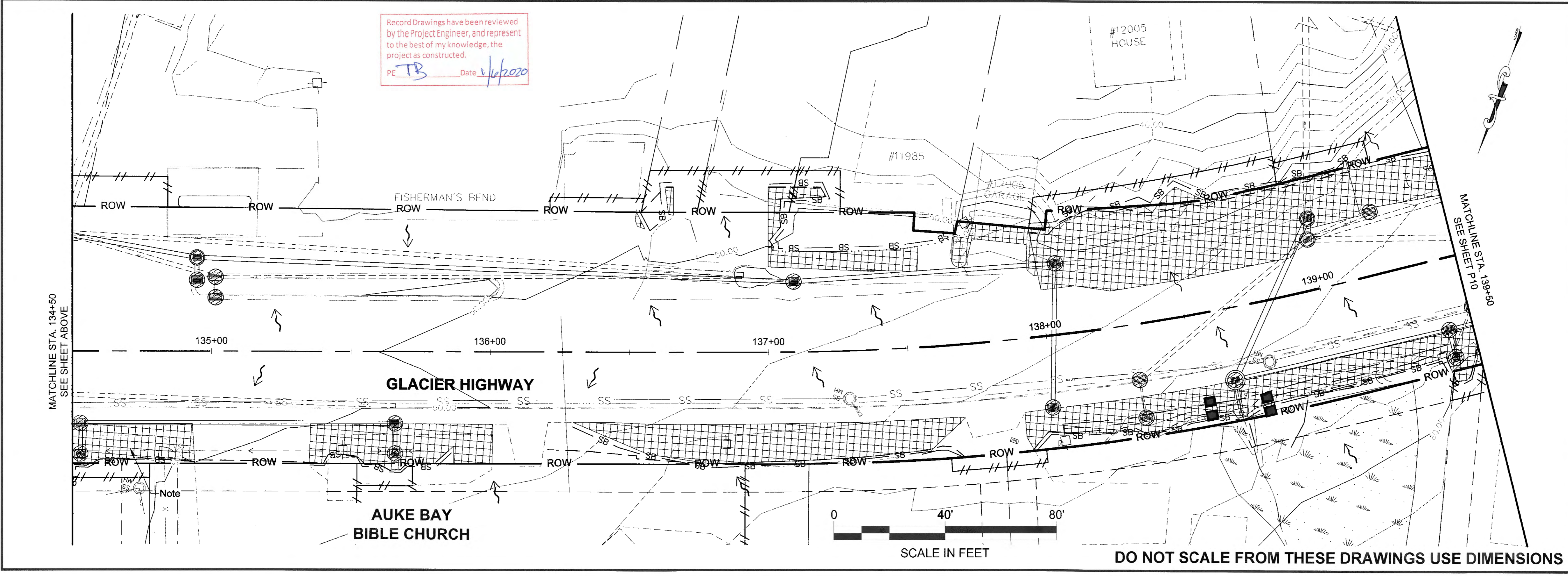
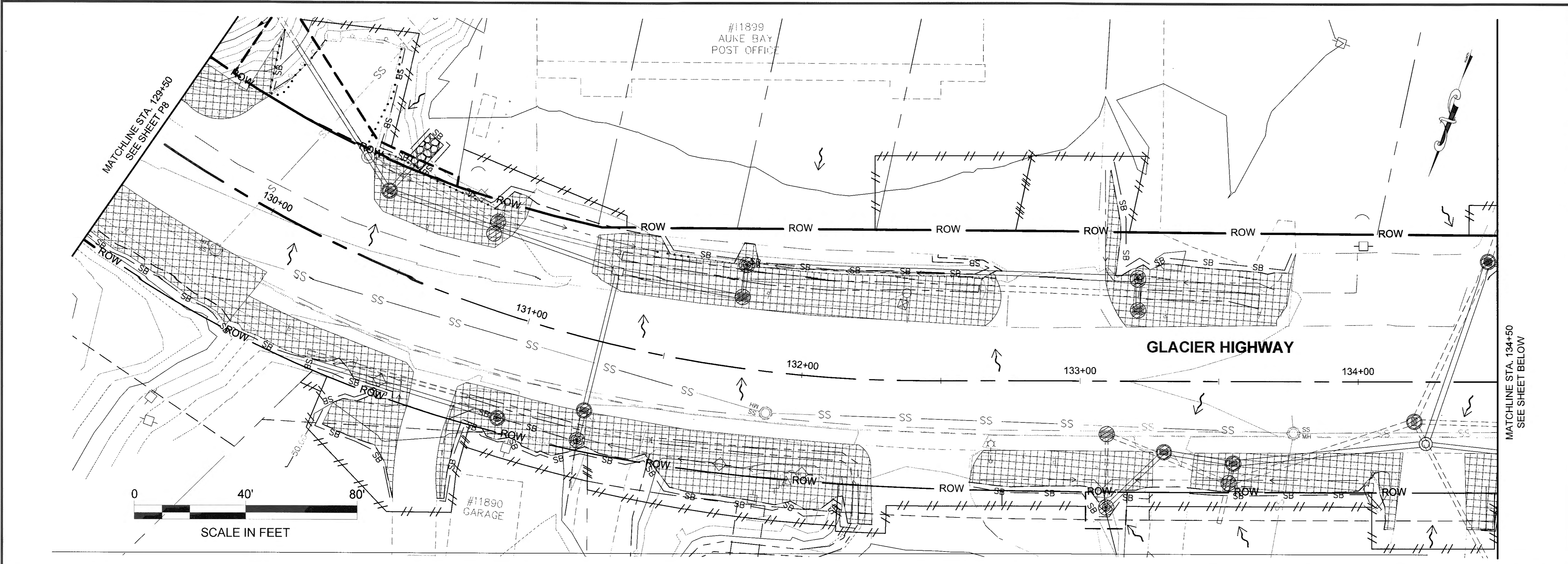
DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**ESCP EARTHWORK
 PHASE BMPS**

PROJECT DESIGNATION
0933039/Z684710000

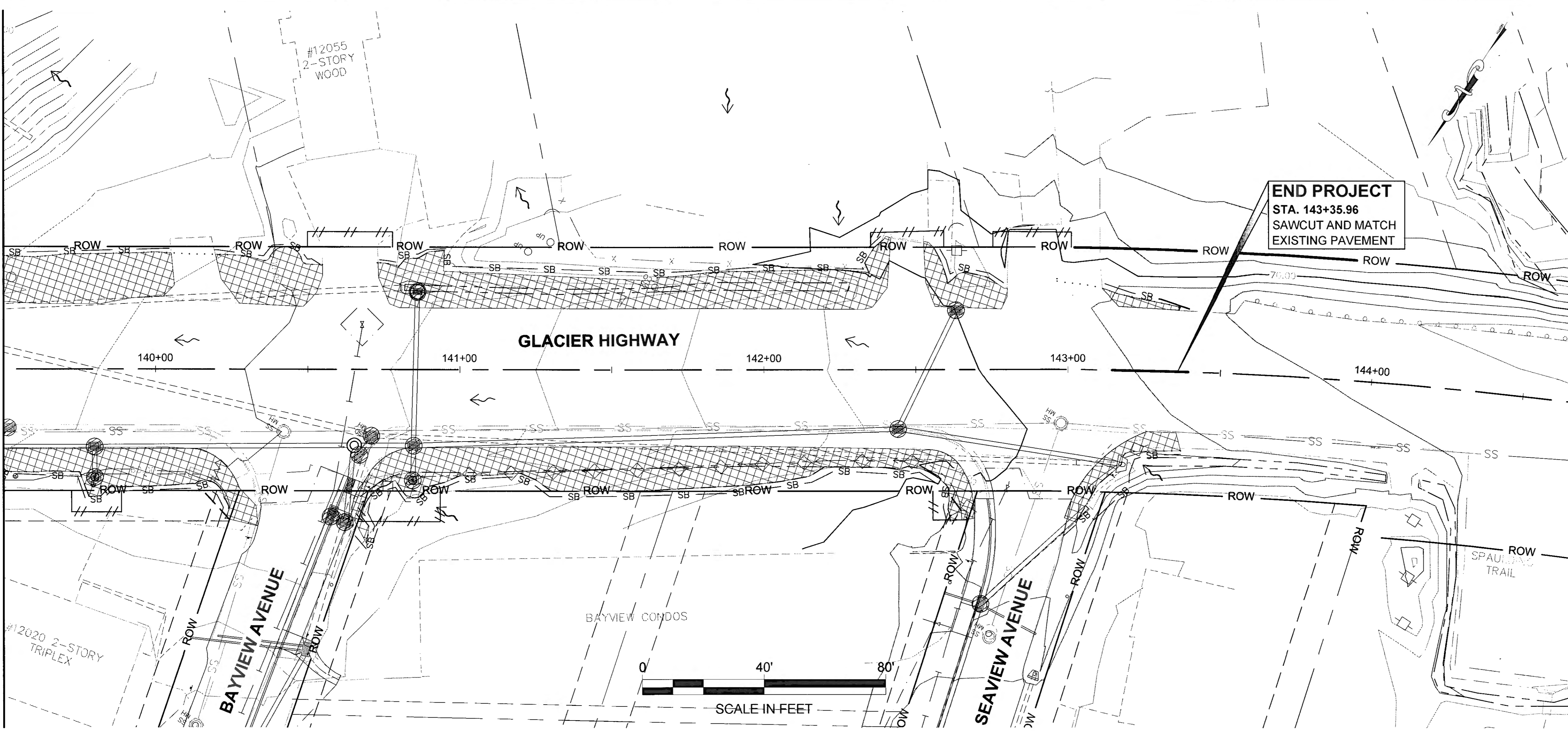
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P9	145



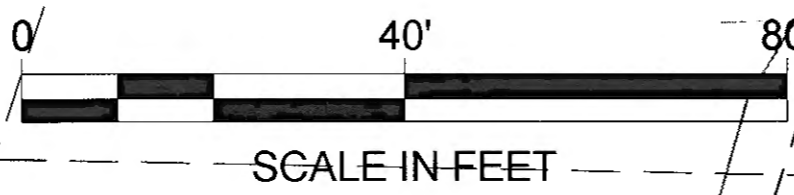
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DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

MATCHLINE STA. 139+50
SEE SHEET P9



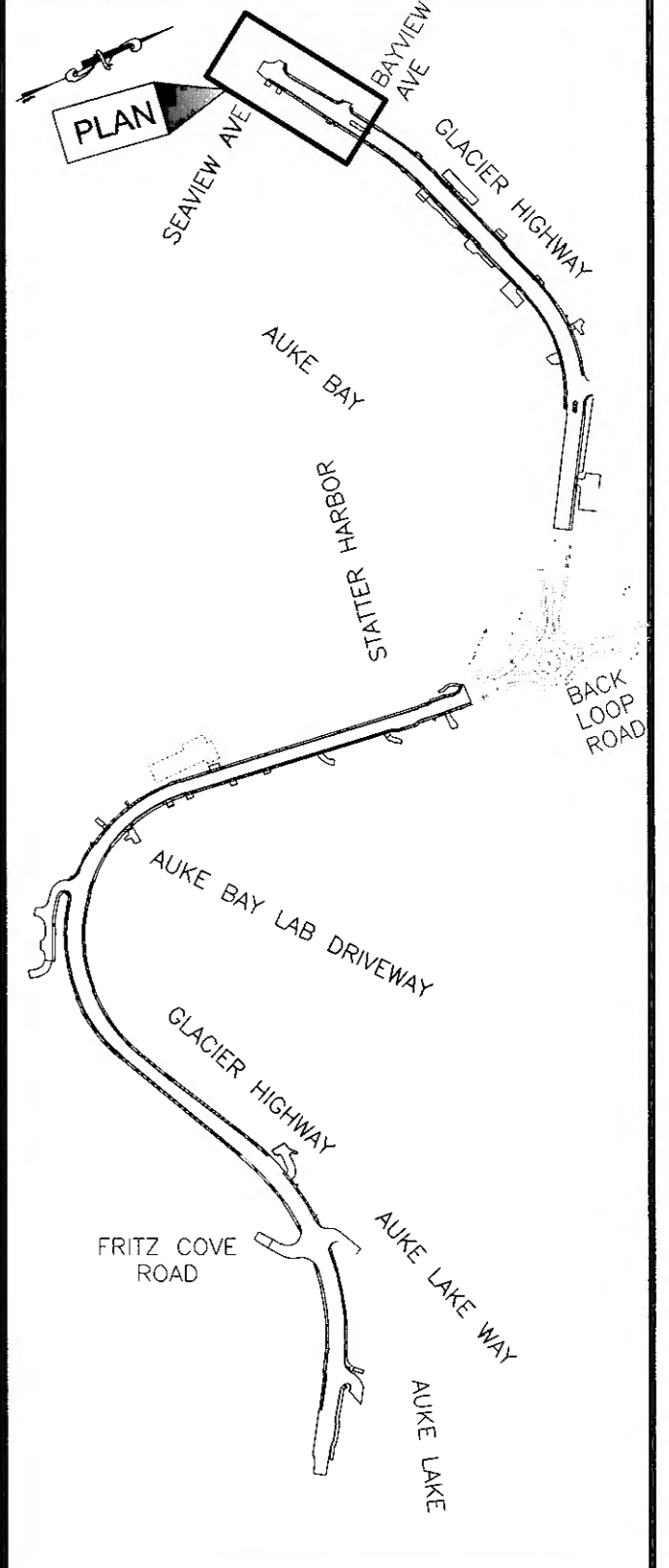
END PROJECT
STA. 143+35.96
SAWCUT AND MATCH
EXISTING PAVEMENT



PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

TAB: P10

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER

DRAWN BY: C. PANNONE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE**

**ESCP EARTHWORK
PHASE BMPS**

PROJECT DESIGNATION
0933039/Z68471000

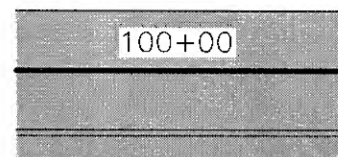
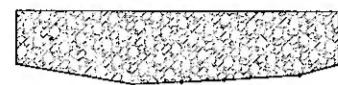
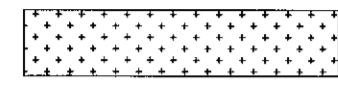
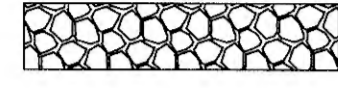



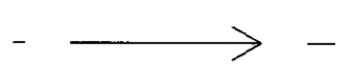
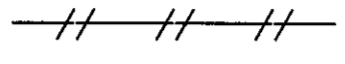
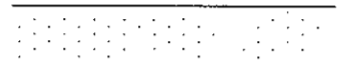
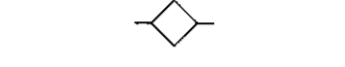
STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
P10	145

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE TB Date 8/4/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

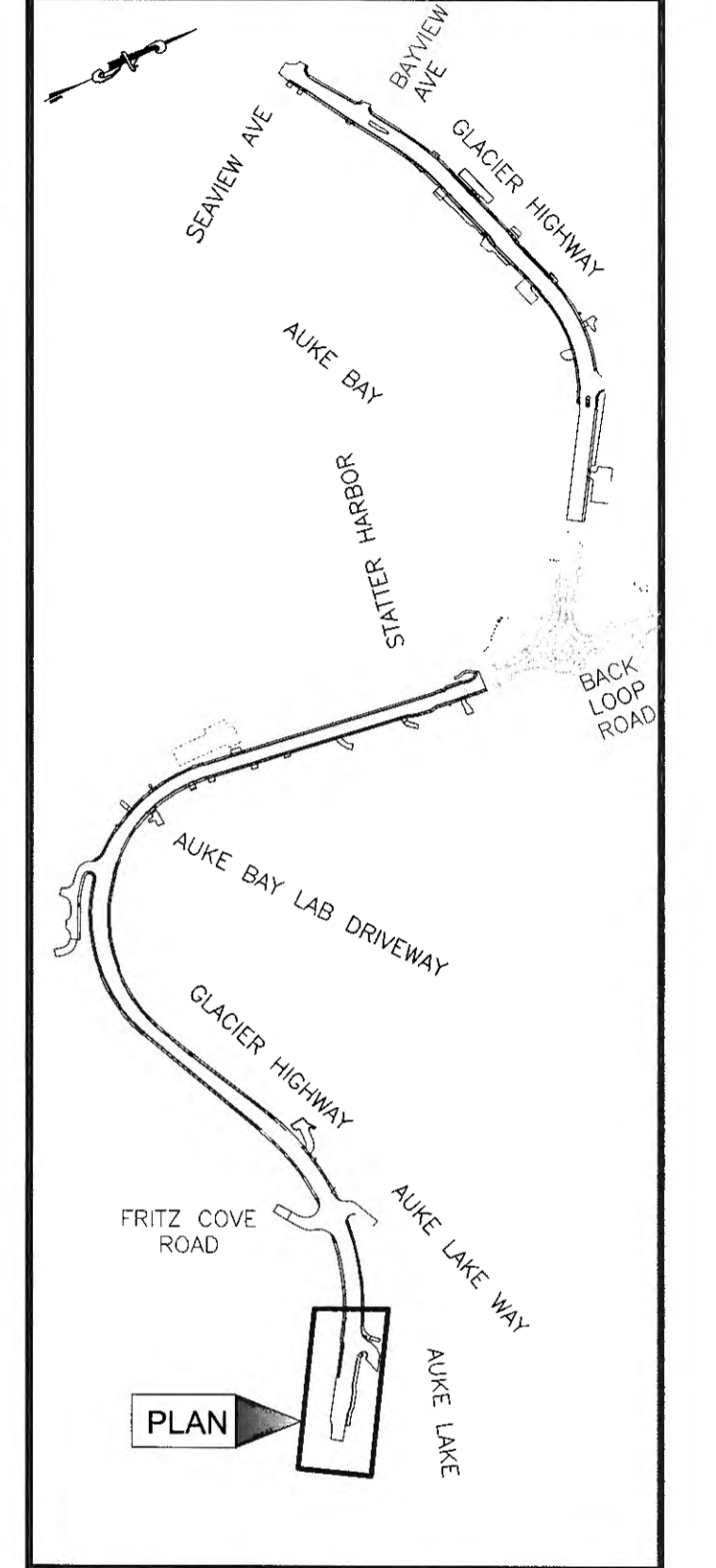
LEGEND

-  = PAVED SURFACE
-  = GRAVEL SURFACING
-  = BONDED FIBER MATRIX (BFM) & SEEDING
-  = RIPRAP CULVERT SPILLWAY PROTECTION OR DITCH LINING
-  = RIPRAP SLOPE REHABILITATION
-  = RIGHT OF WAY
-  = PROPERTY LINE
-  = DITCH LINE FLOW DIRECTION
-  = TEMPORARY CONSTRUCTION PERMIT/EASEMENT
-  = PROPERTY ACQUISITION
-  = TEMPORARY CHECK DAM

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: P11

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



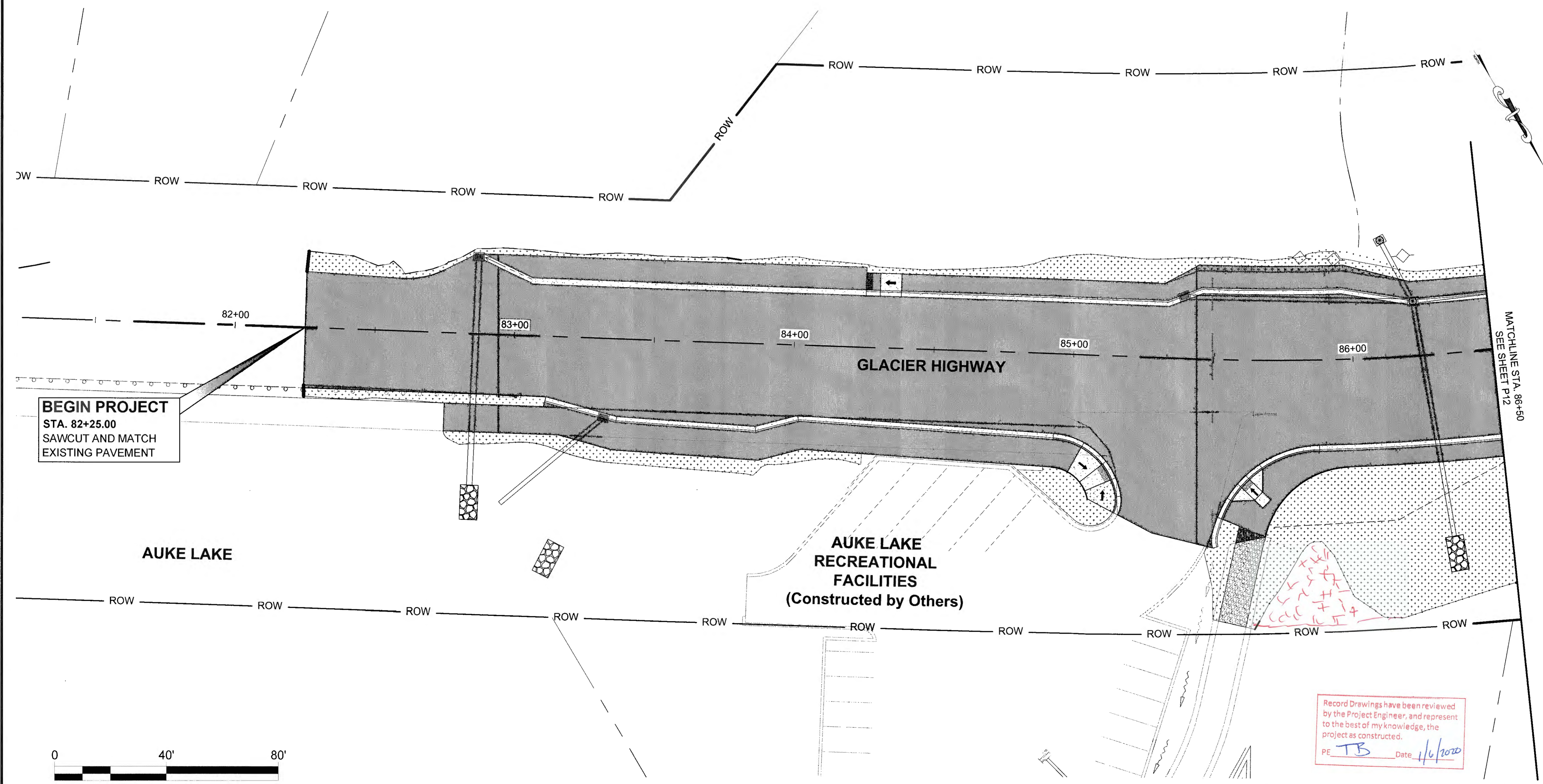
DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**ESCP SOIL
 STABILIZATION
 PHASE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P11	145

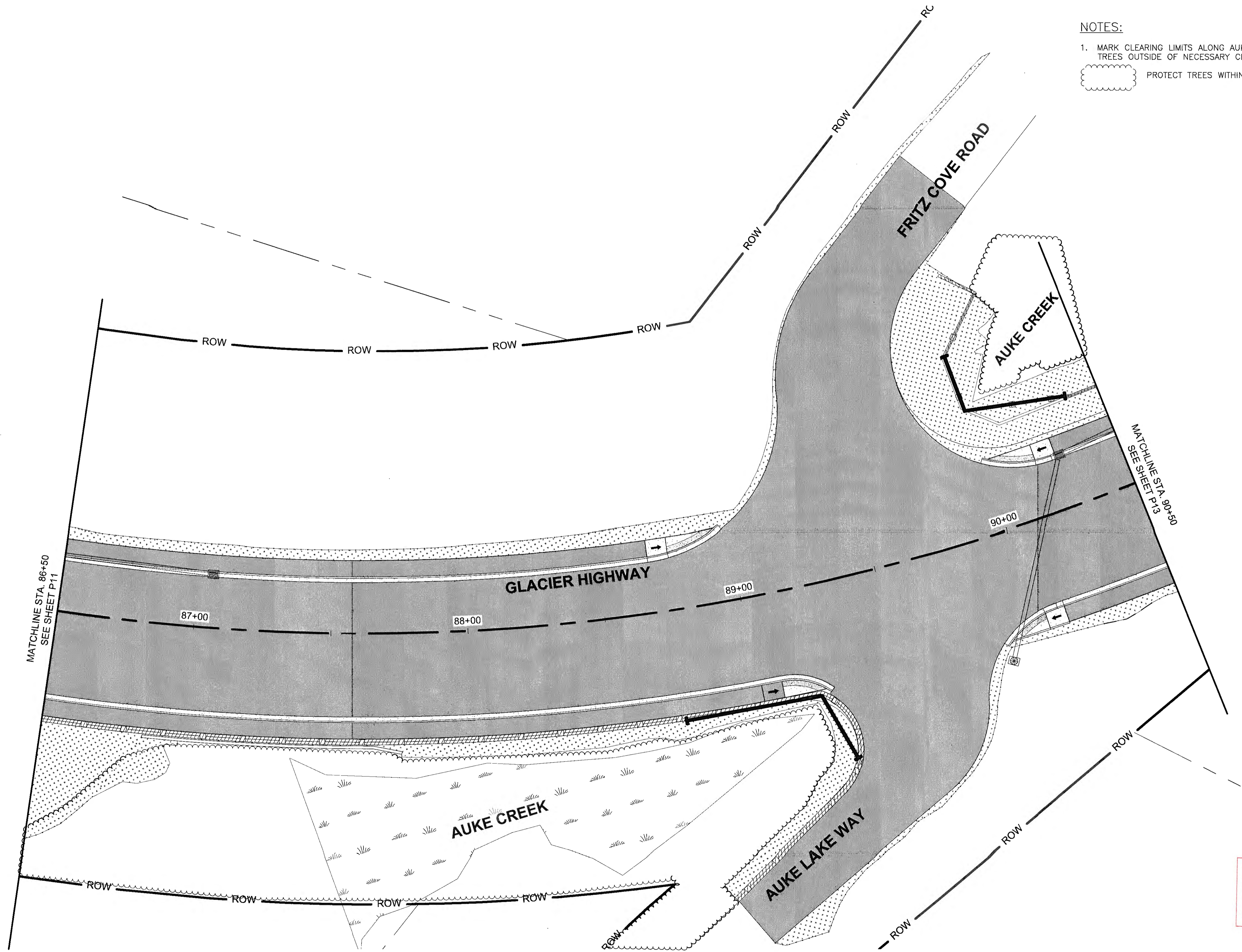


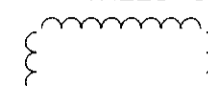
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 4/6/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

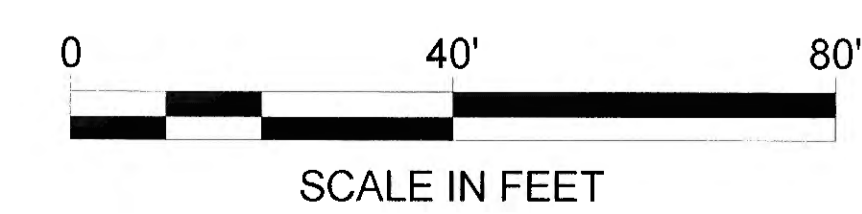
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NOTES:
 1. MARK CLEARING LIMITS ALONG AUKE CREEK. PROTECT TREES OUTSIDE OF NECESSARY CLEARING LIMITS
 PROTECT TREES WITHIN AREA

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

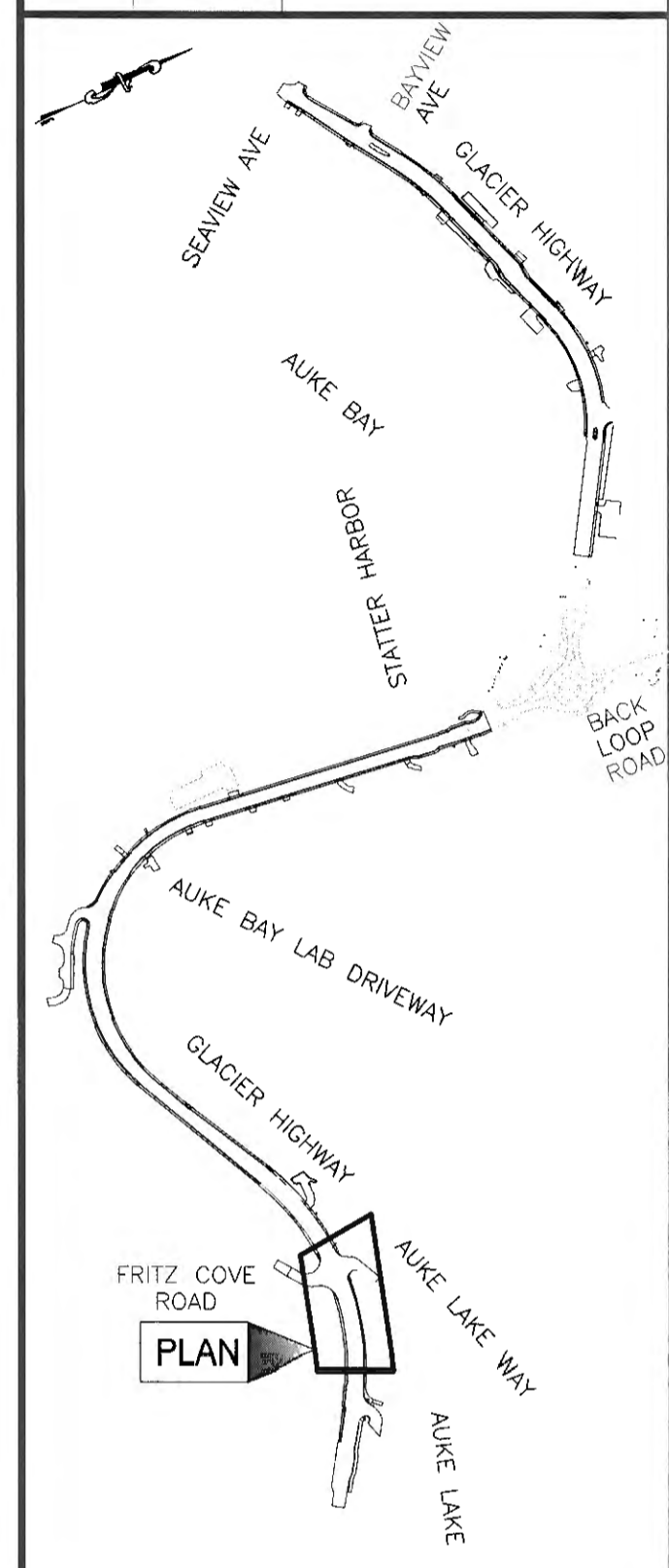
TAB P12

ADDENDUM NUMBER


ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE**

ESCP SOIL STABILIZATION PHASE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
P12	145

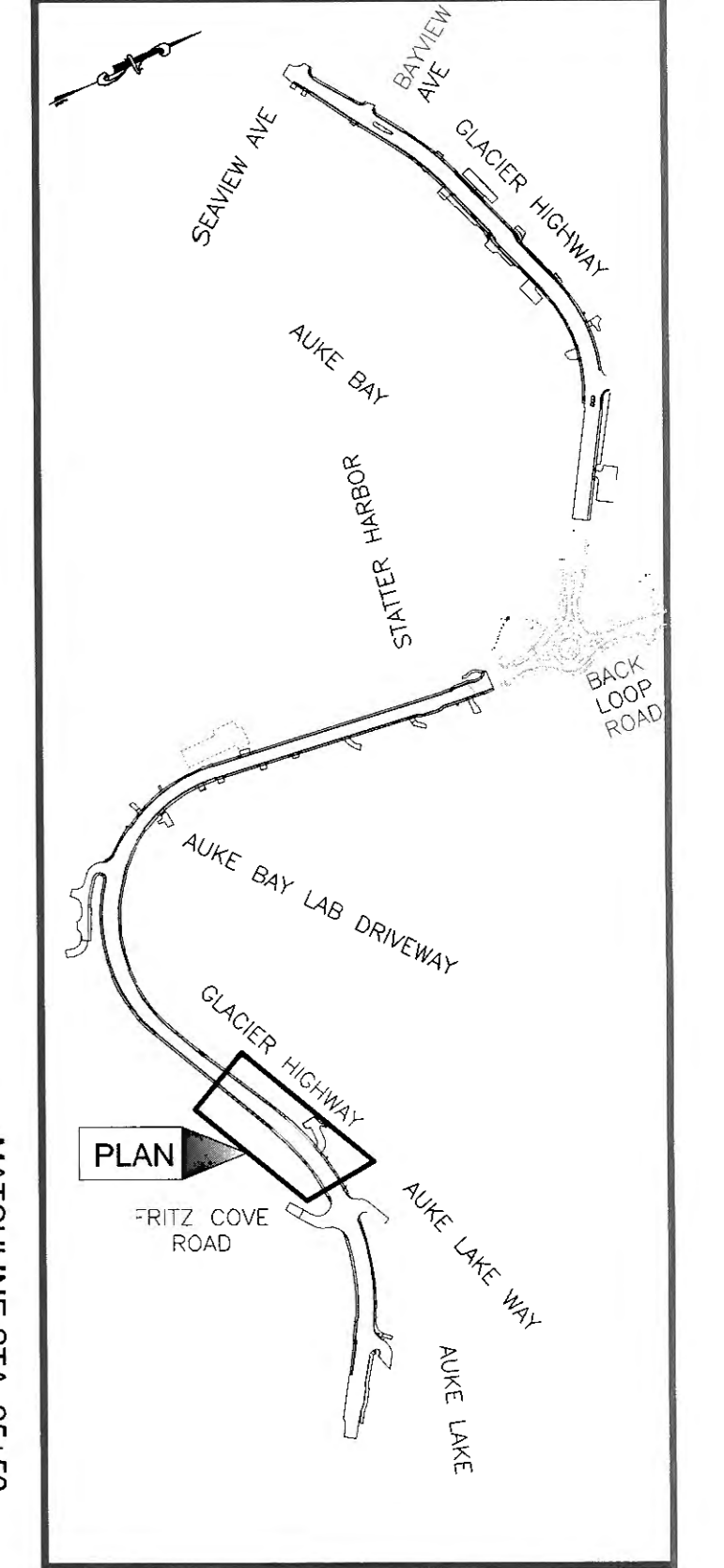
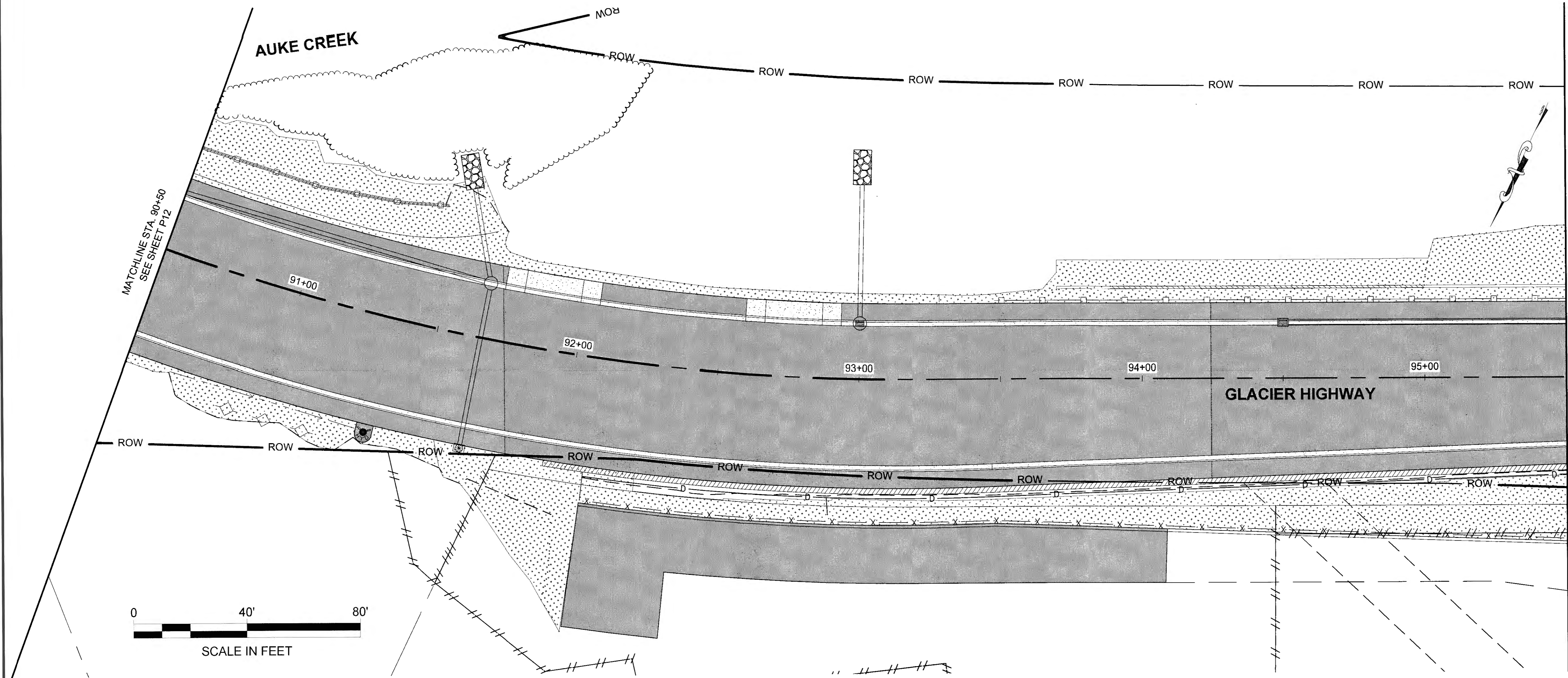
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: P13		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

NOTES:

1. MARK CLEARING LIMITS ALONG AUKE CREEK. PROTECT TREES OUTSIDE OF NECESSARY CLEARING LIMITS

 PROTECT TREES WITHIN AREA



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**ESCP SOIL
 STABILIZATION
 PHASE**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P13	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/6/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\204700154\DWGS\C\SHEETS\1289400_P11-P20.DWG

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

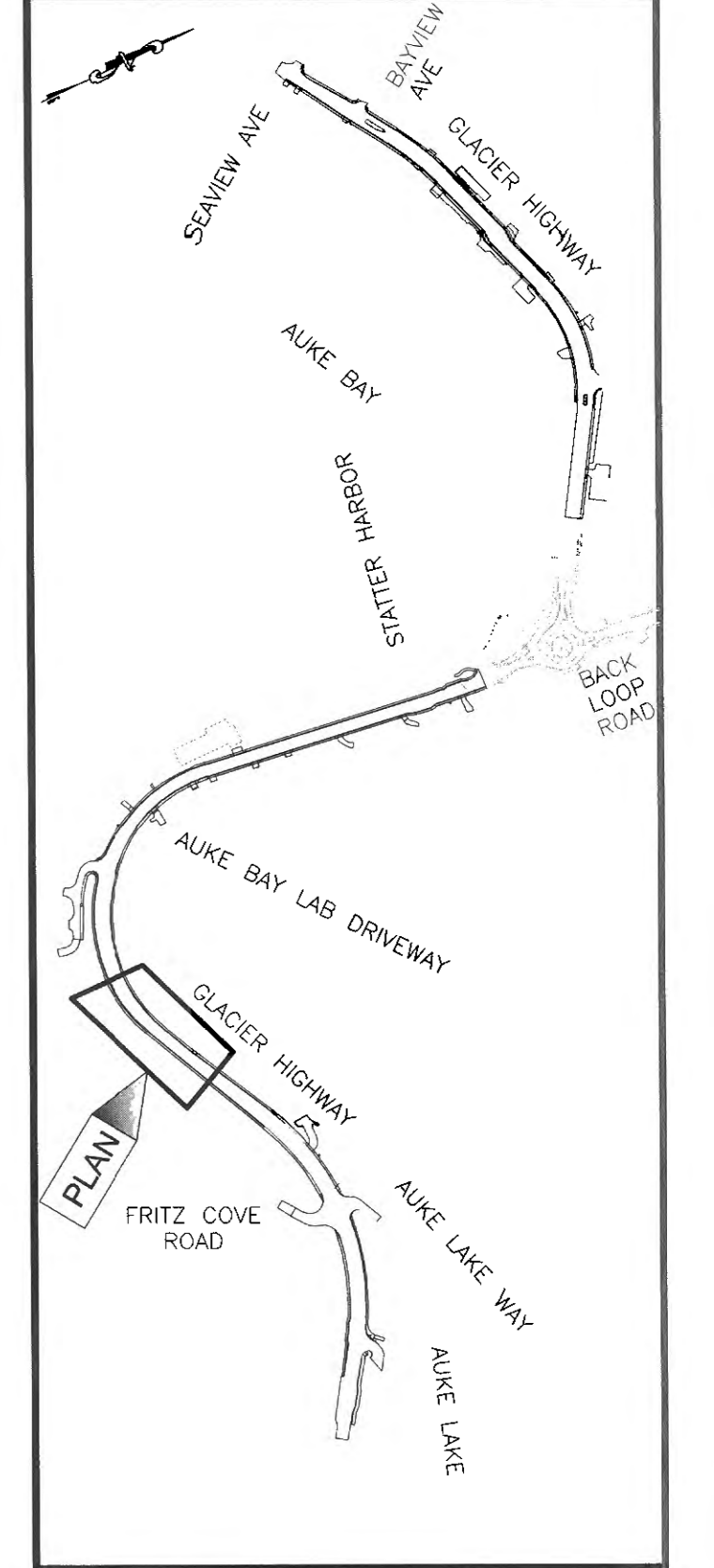
TAB: P14

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

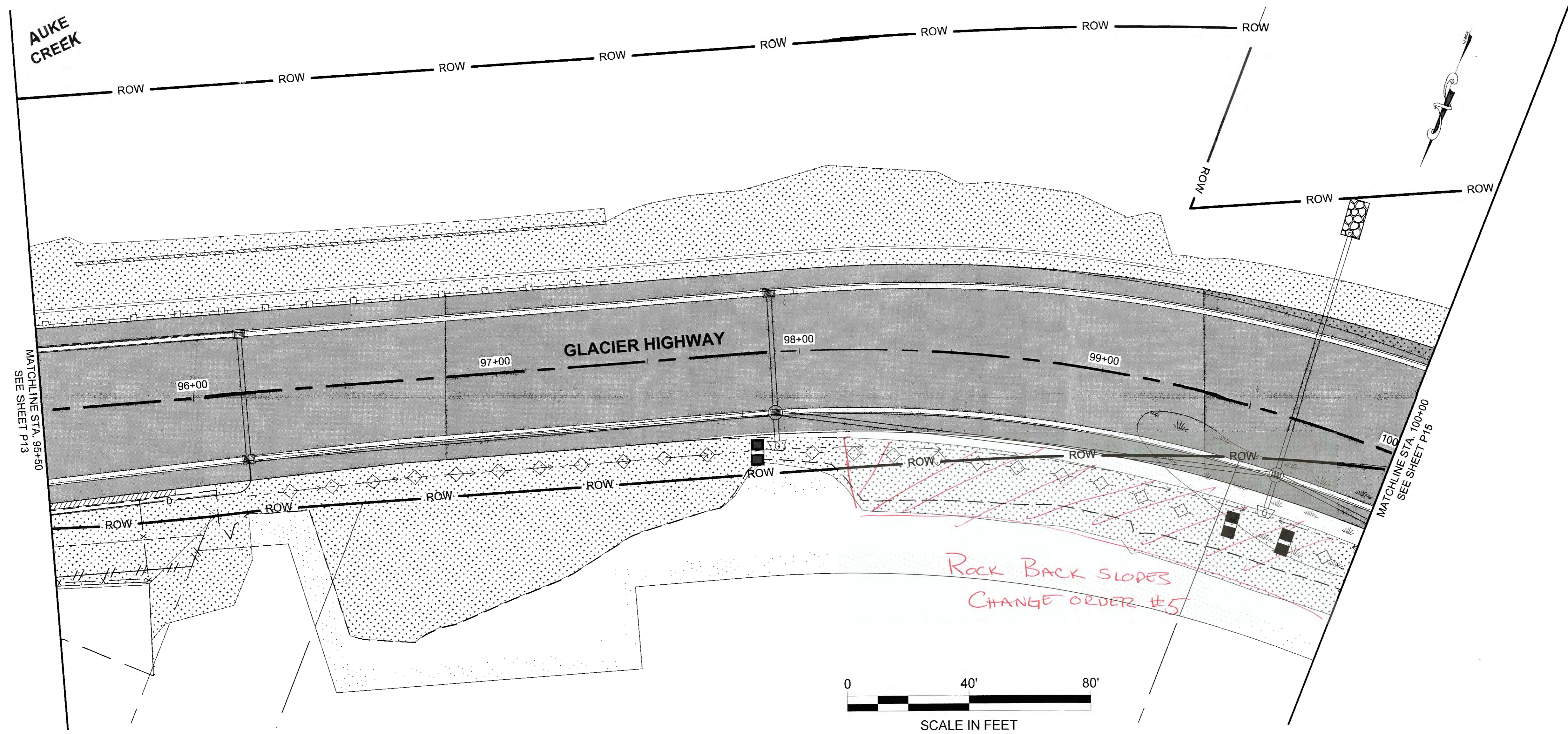
GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**ESCP SOIL
 STABILIZATION
 PHASE**

PROJECT DESIGNATION

0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P14	145



Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE TB Date 1/4/2020

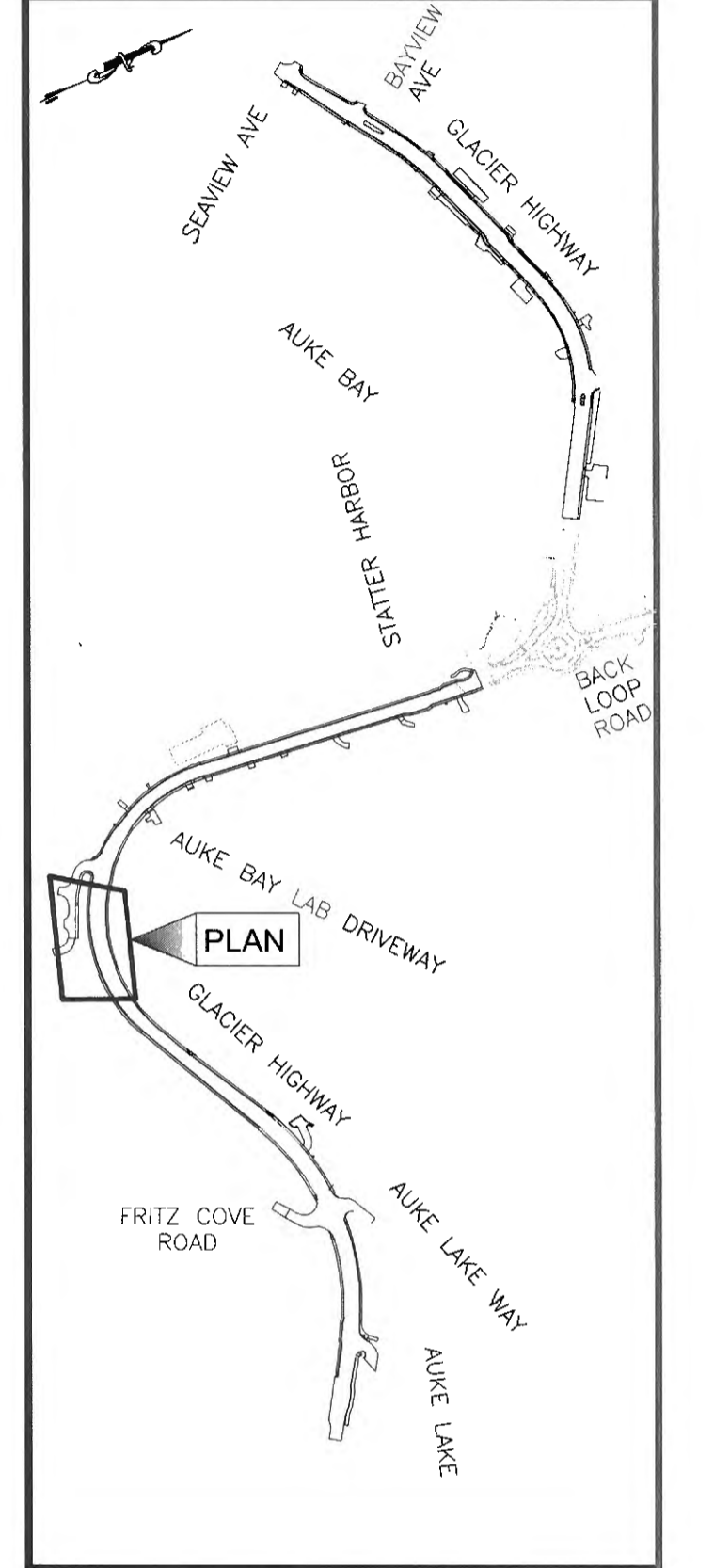
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2017\00154\DWGS\C\SHETS\1288400_P11-P20.DWG

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: P15
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



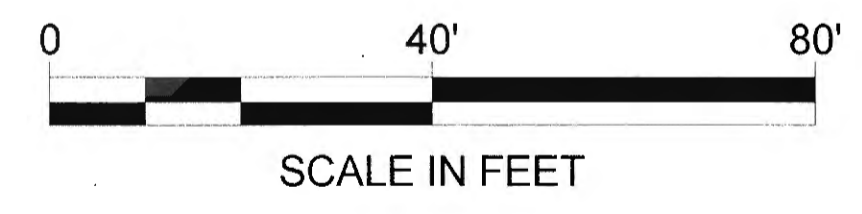
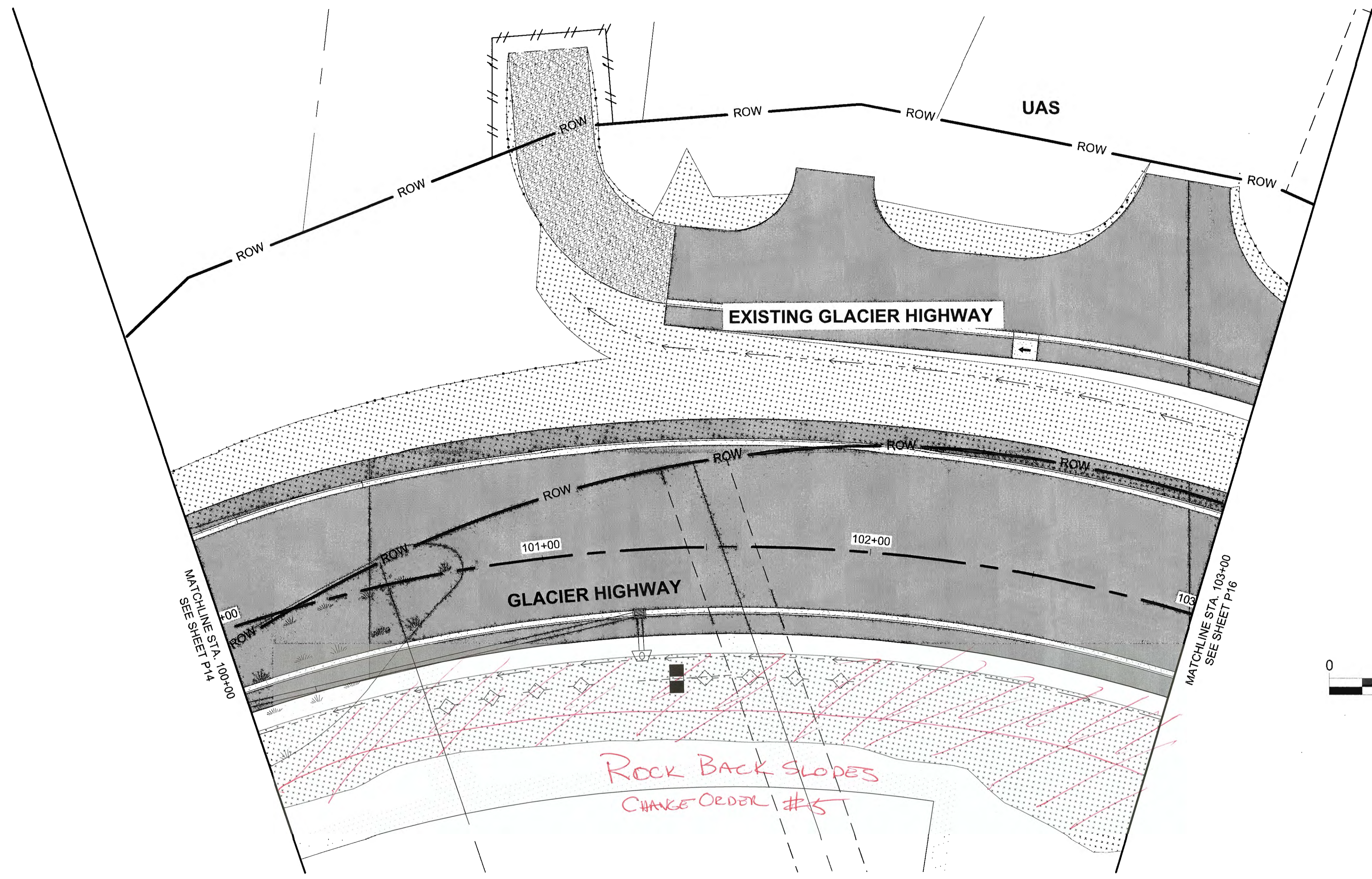
DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**ESCP SOIL
 STABILIZATION
 PHASE**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P15	145



Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE TB Date 1/16/2020

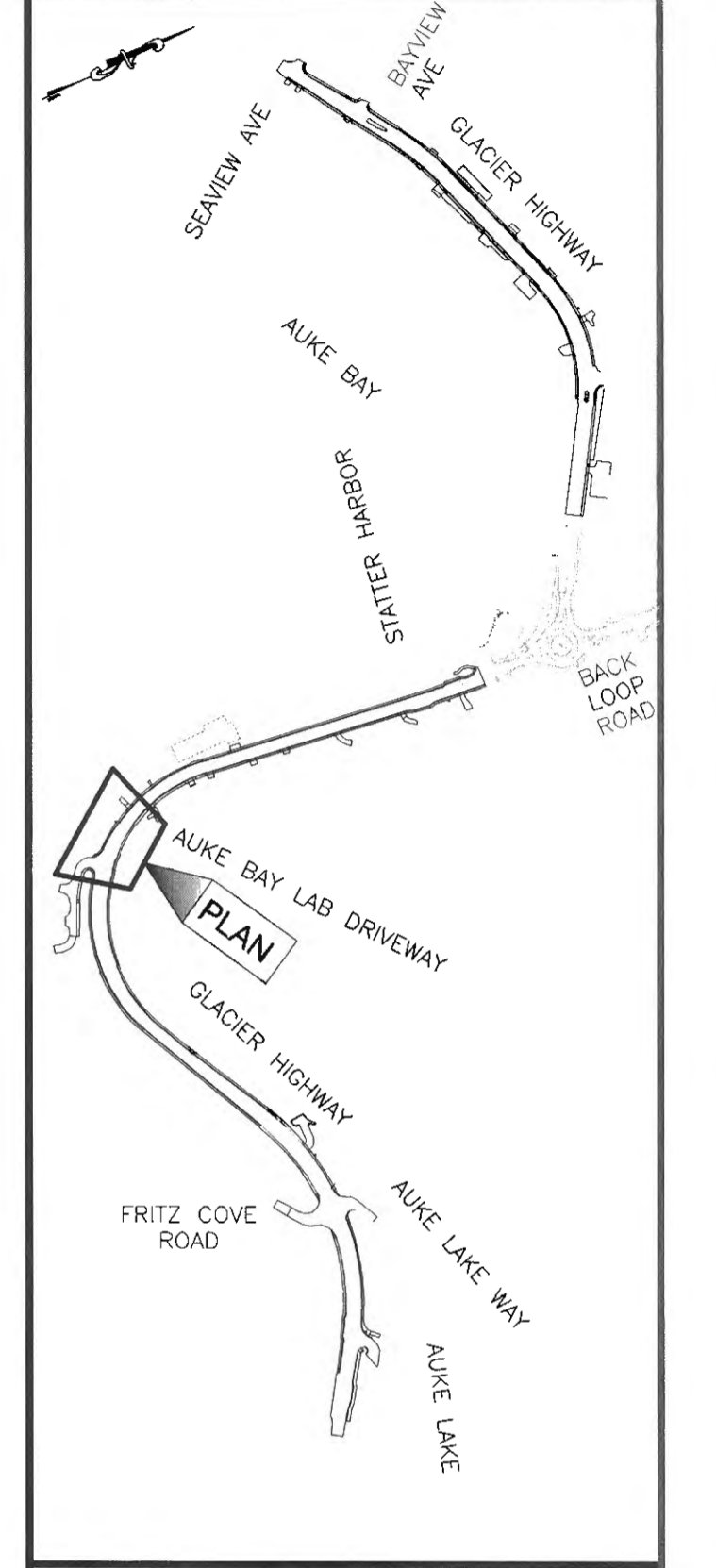
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2017\0154\DWGS\CIS\SHEET\1288400_P11-P20.DWG

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: P16
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

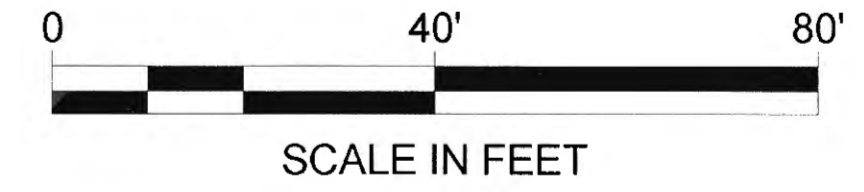
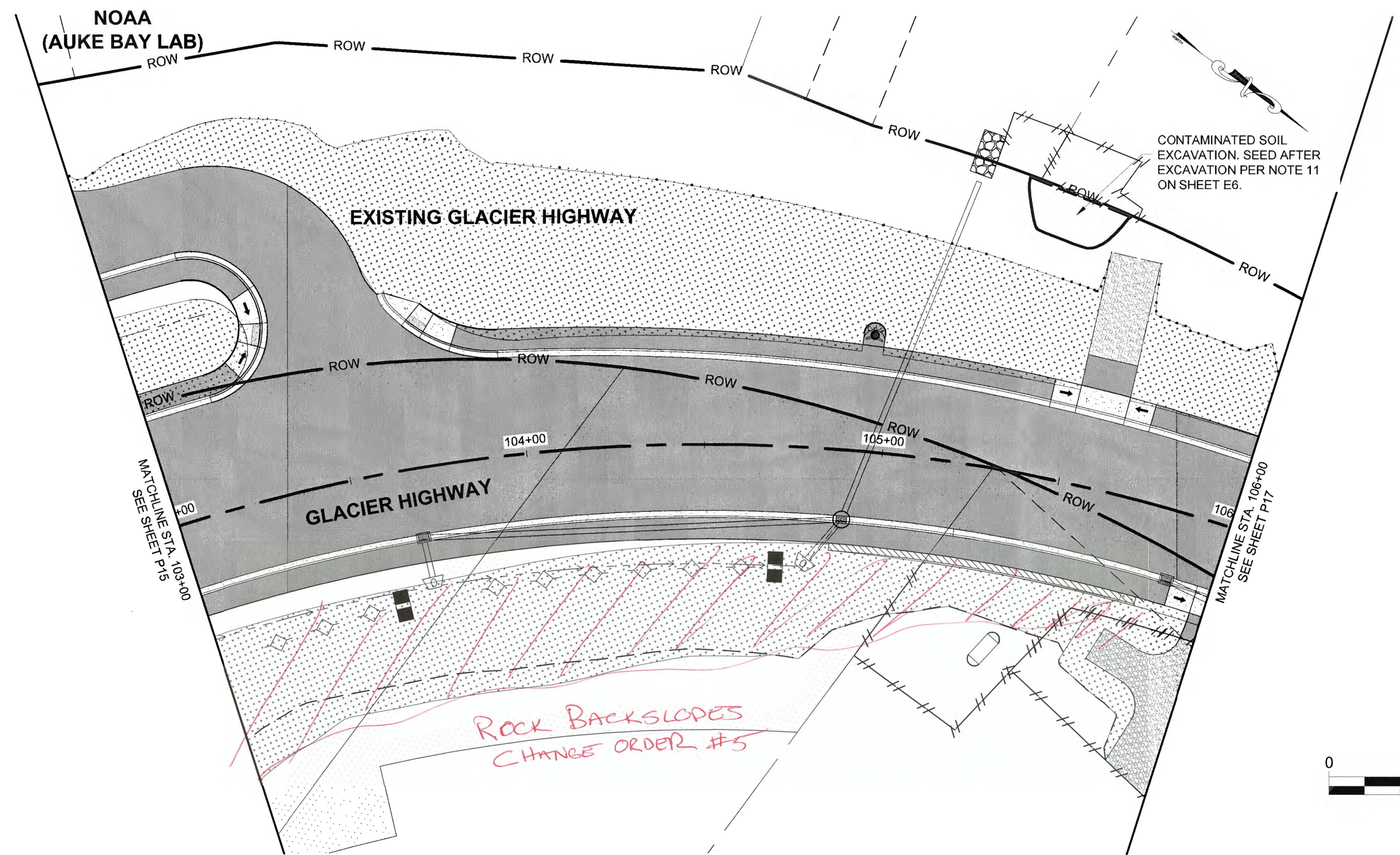
GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**ESCP SOIL
 STABILIZATION
 PHASE**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P16	145

NOTES:

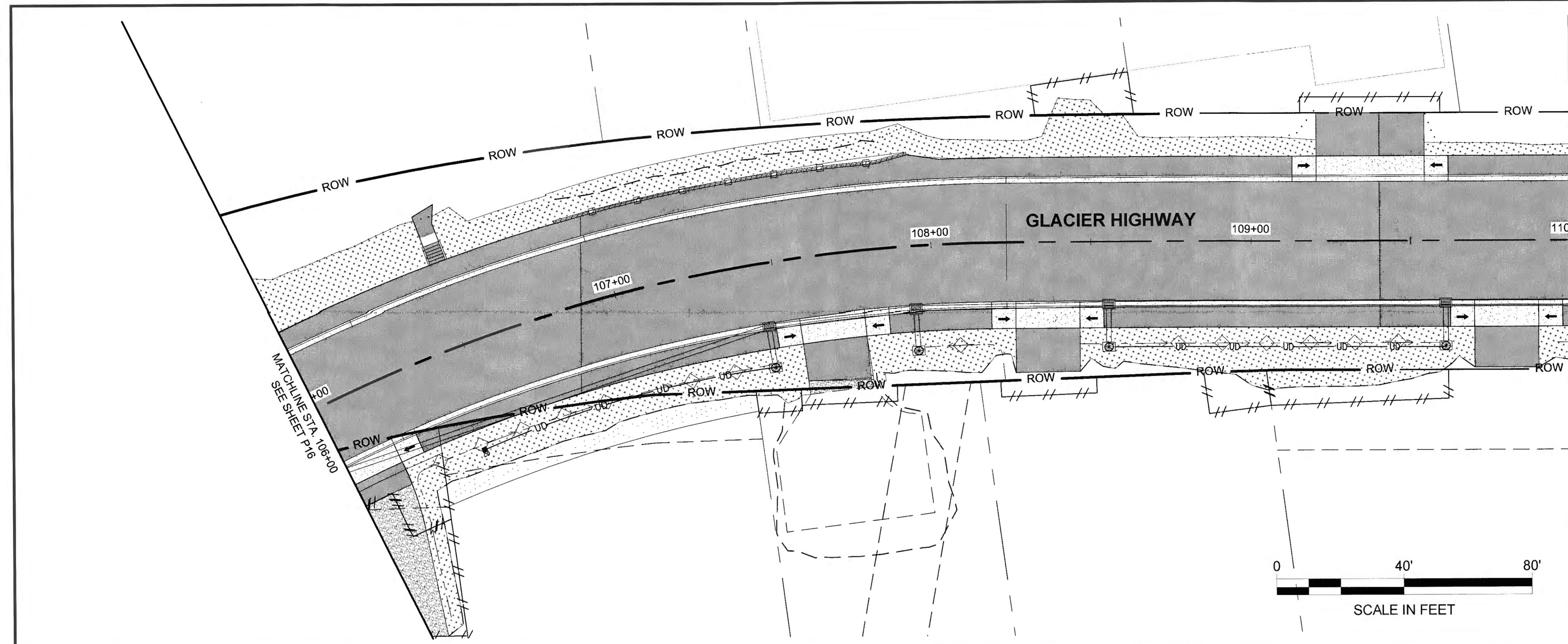
- EXCAVATION DEWATERING WITHIN 1,500 FEET OF CONTAMINATED SOIL WILL REQUIRE AN NOI UNDER THE ADEC EXCAVATION DEWATERING GENERAL PERMIT.



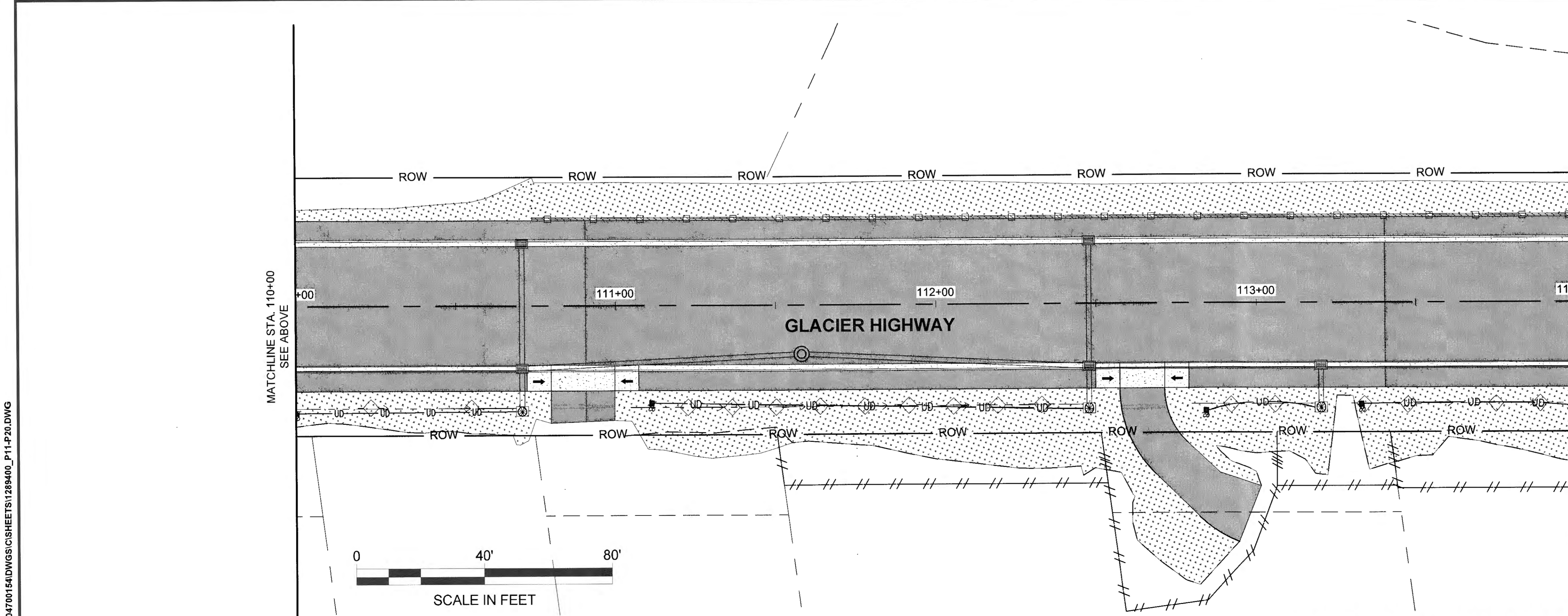
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *TB* Date *1/6/2020*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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MATCHLINE STA. 110+00
SEE BELOW



MATCHLINE STA. 114+00
SEE SHEET P18

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *JB* Date *1/6/2020*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

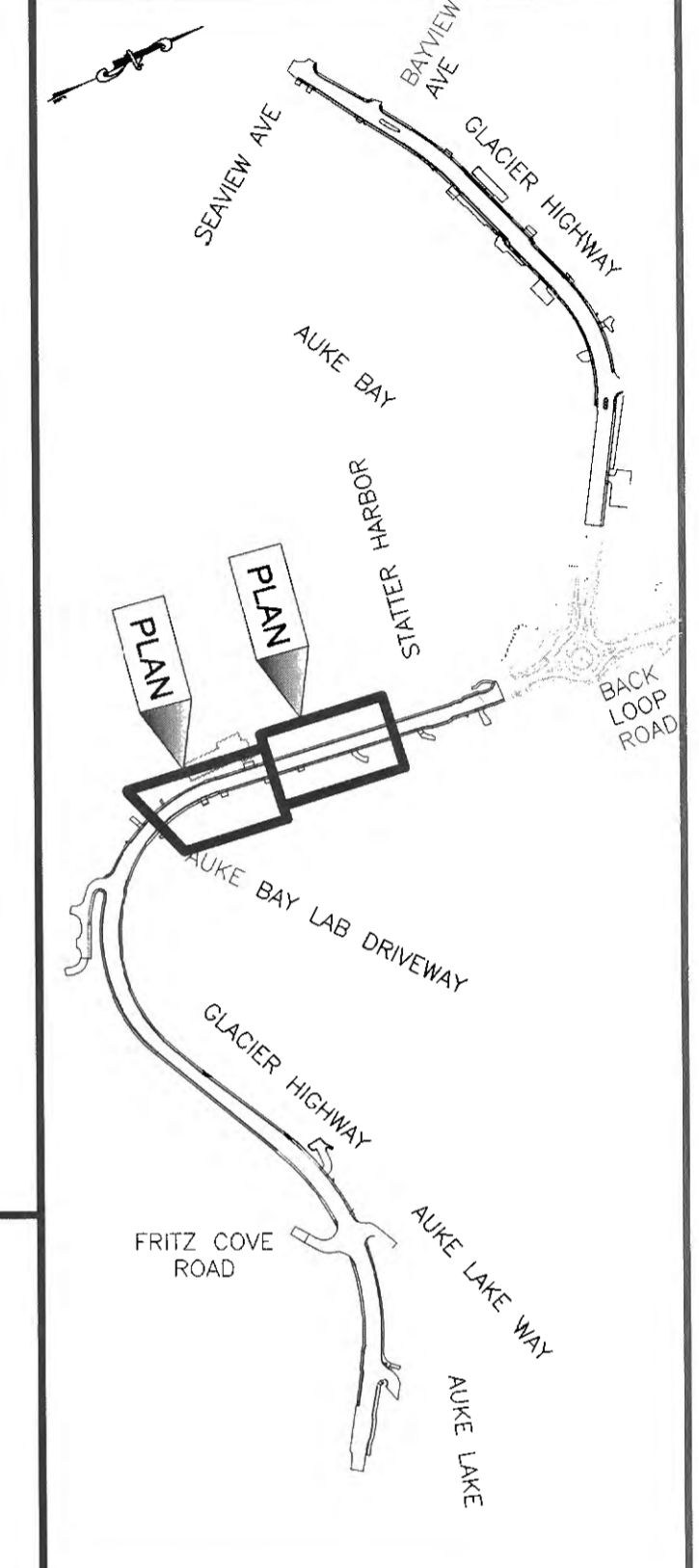
TAB: P17

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
DRAWN BY: C. PANNONE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

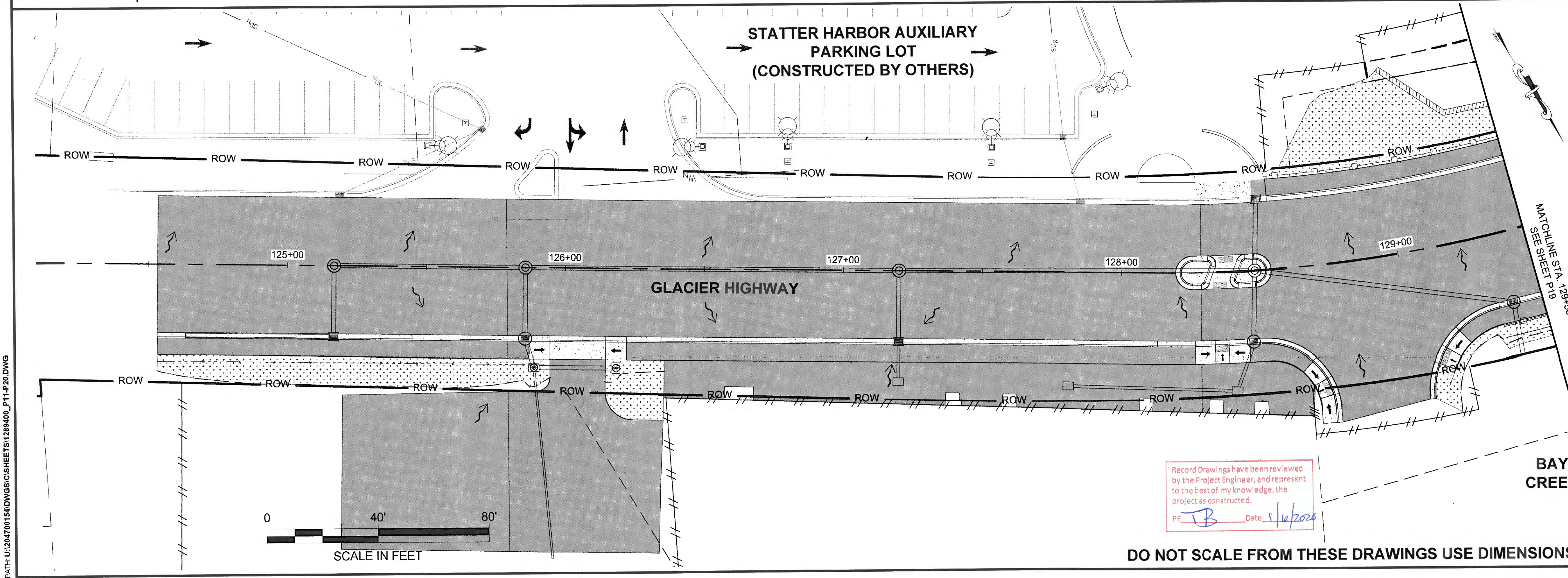
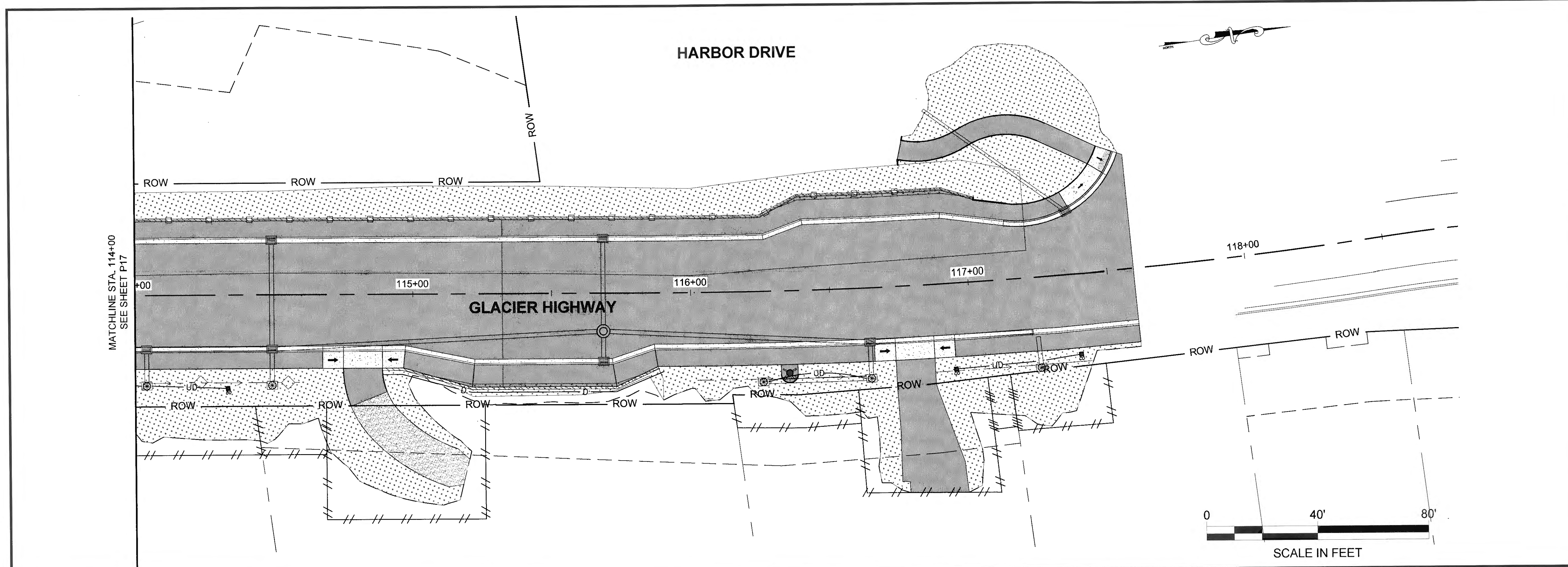
GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

**ESCP SOIL
STABILIZATION
PHASE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
P17	145



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

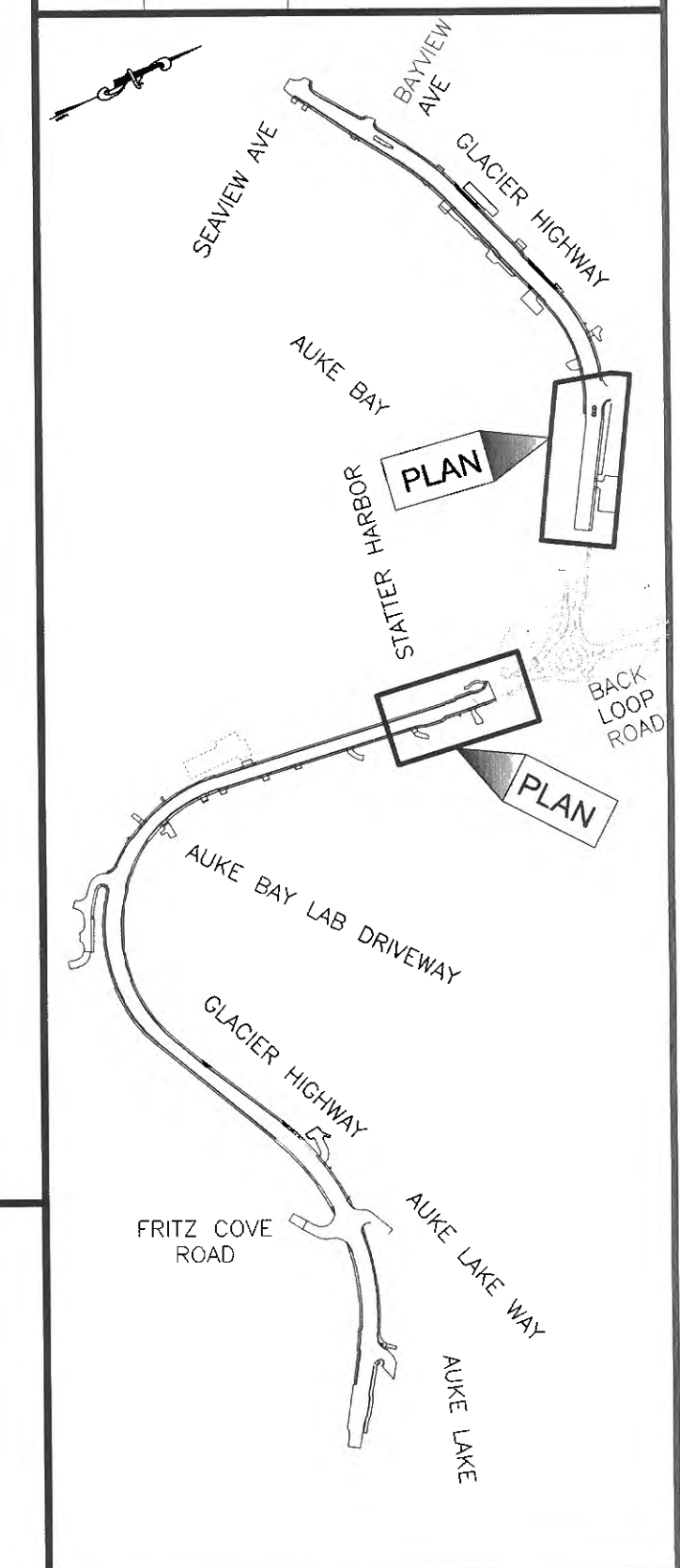
TAB: P18

ADDENDUM NUMBER

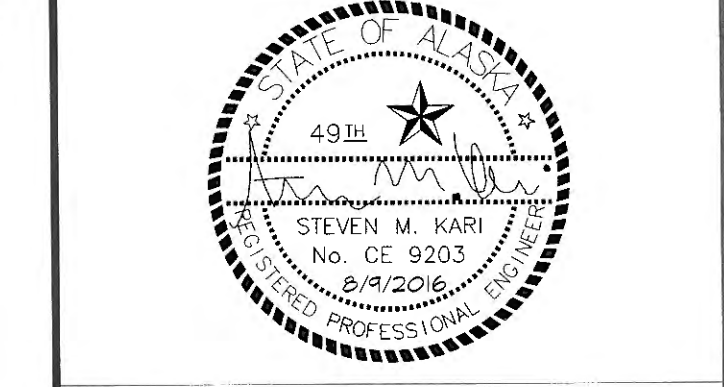
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**ESCP SOIL
 STABILIZATION
 PHASE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
P18	145

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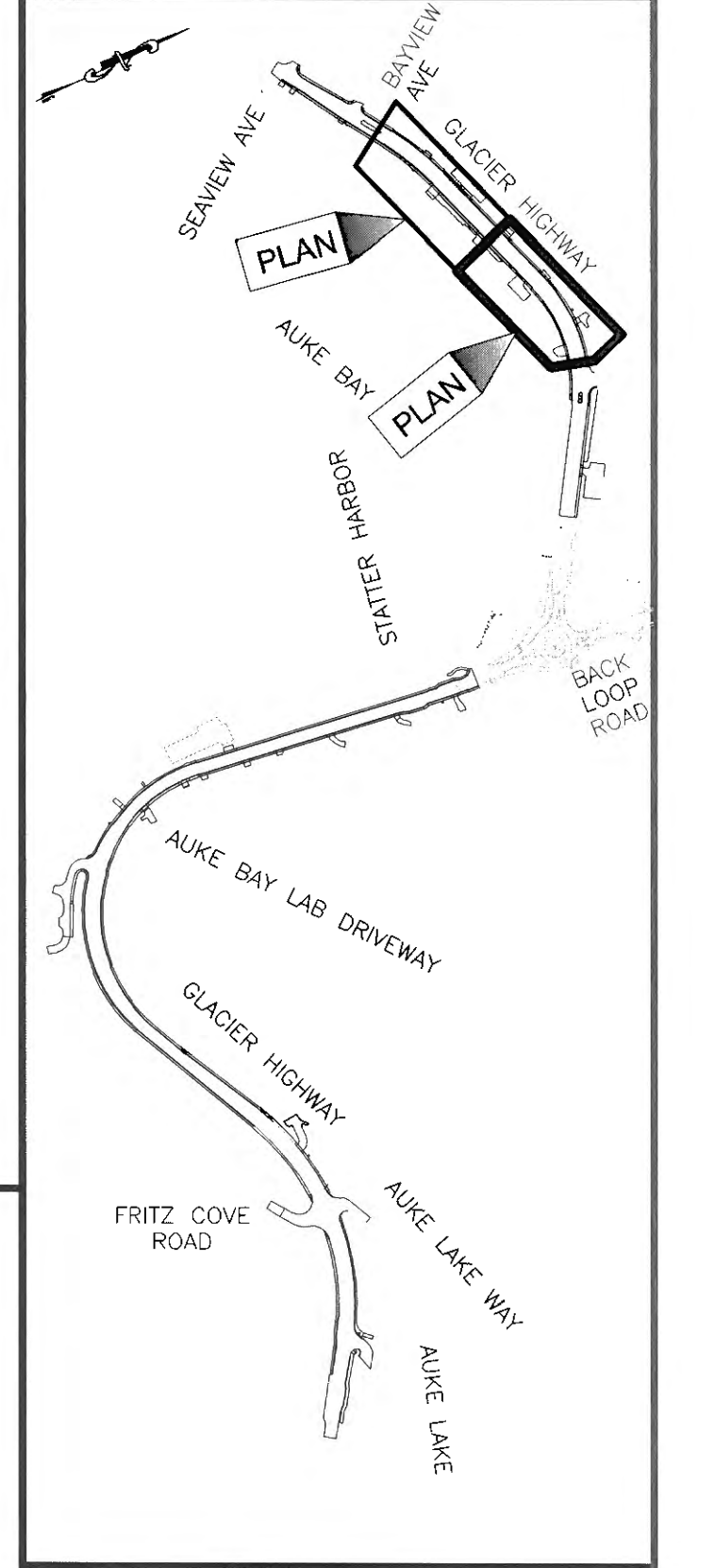
Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE *JB* Date *8/16/2020*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

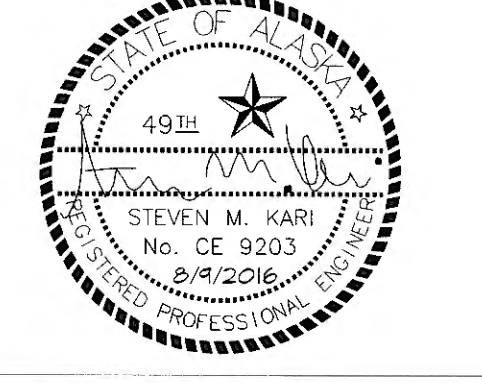
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: P19
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: S. KARI



DESIGNED BY: M. SPICER
 DRAWN BY: C. PANNONE
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

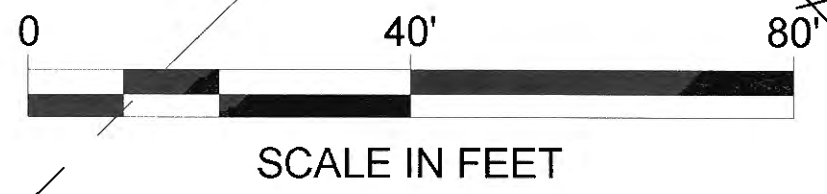
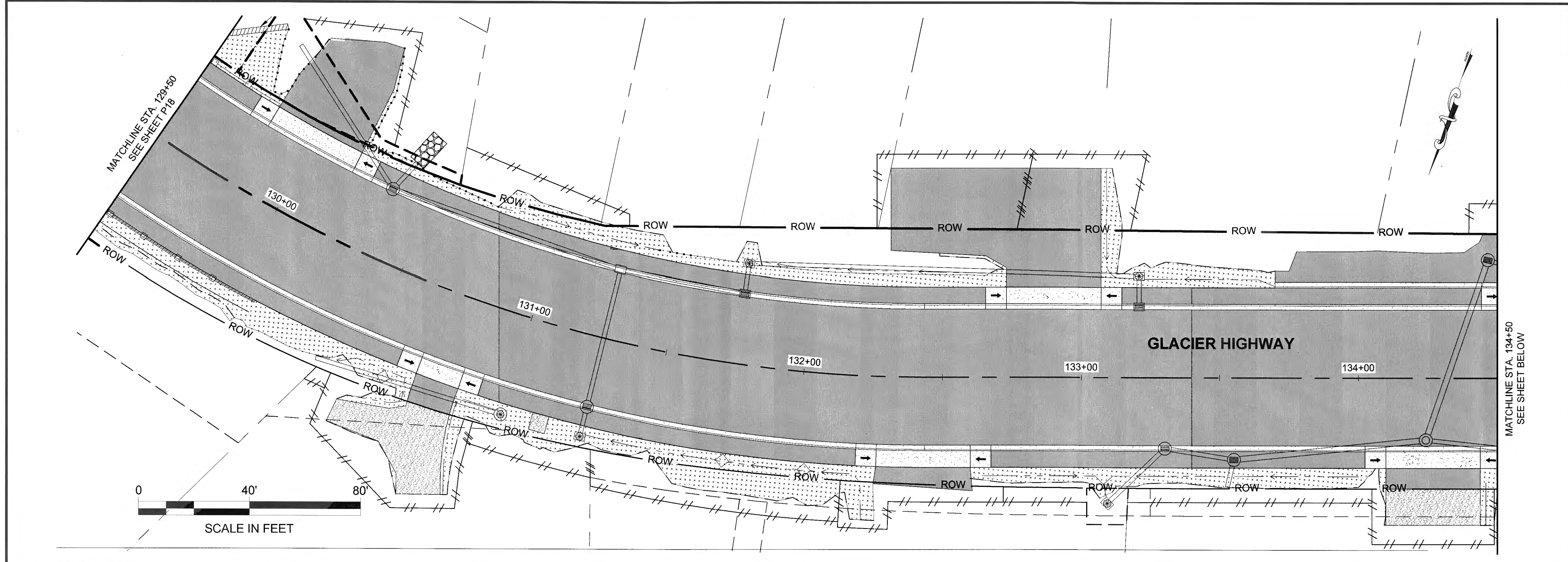
GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

**ESCP SOIL
 STABILIZATION
 PHASE**

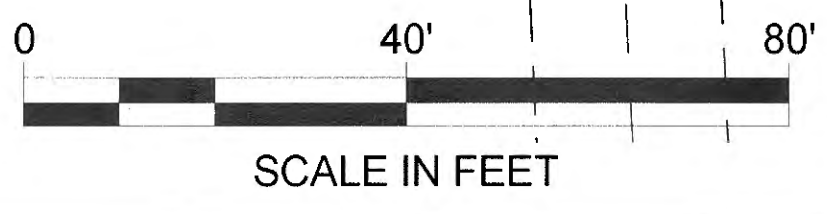
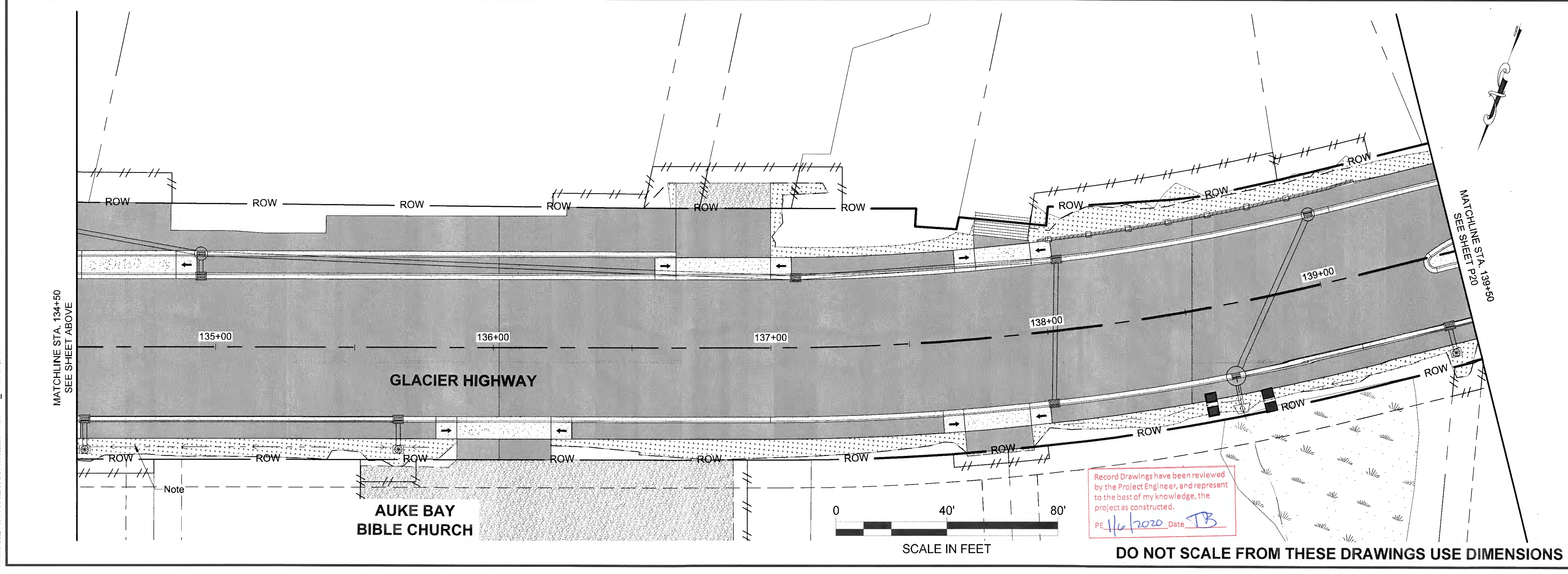
PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
P19	145



SCALE IN FEET



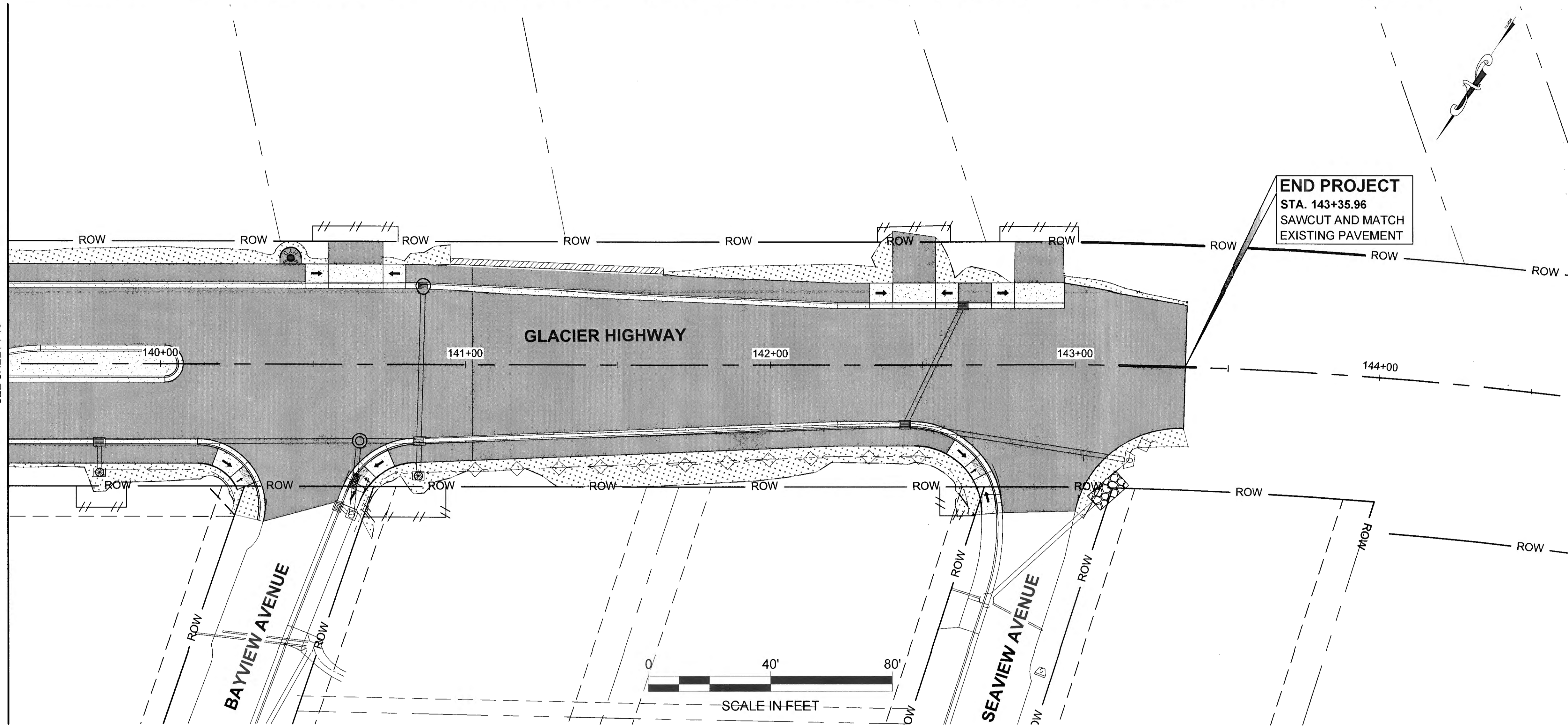
SCALE IN FEET

Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE: *H. Kari* Date: *JB*

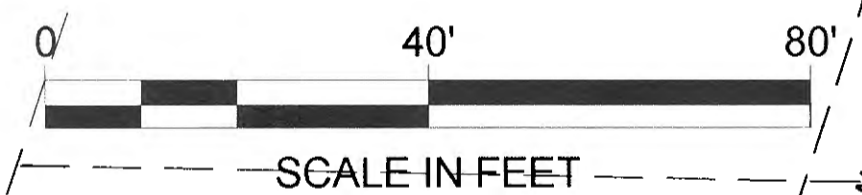
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2047001\54\DWG\CS\CS\1289400_P11-P20.DWG

MATCHLINE STA. 139+50
SEE SHEET P19



END PROJECT
STA. 143+35.96
SAWCUT AND MATCH
EXISTING PAVEMENT



PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

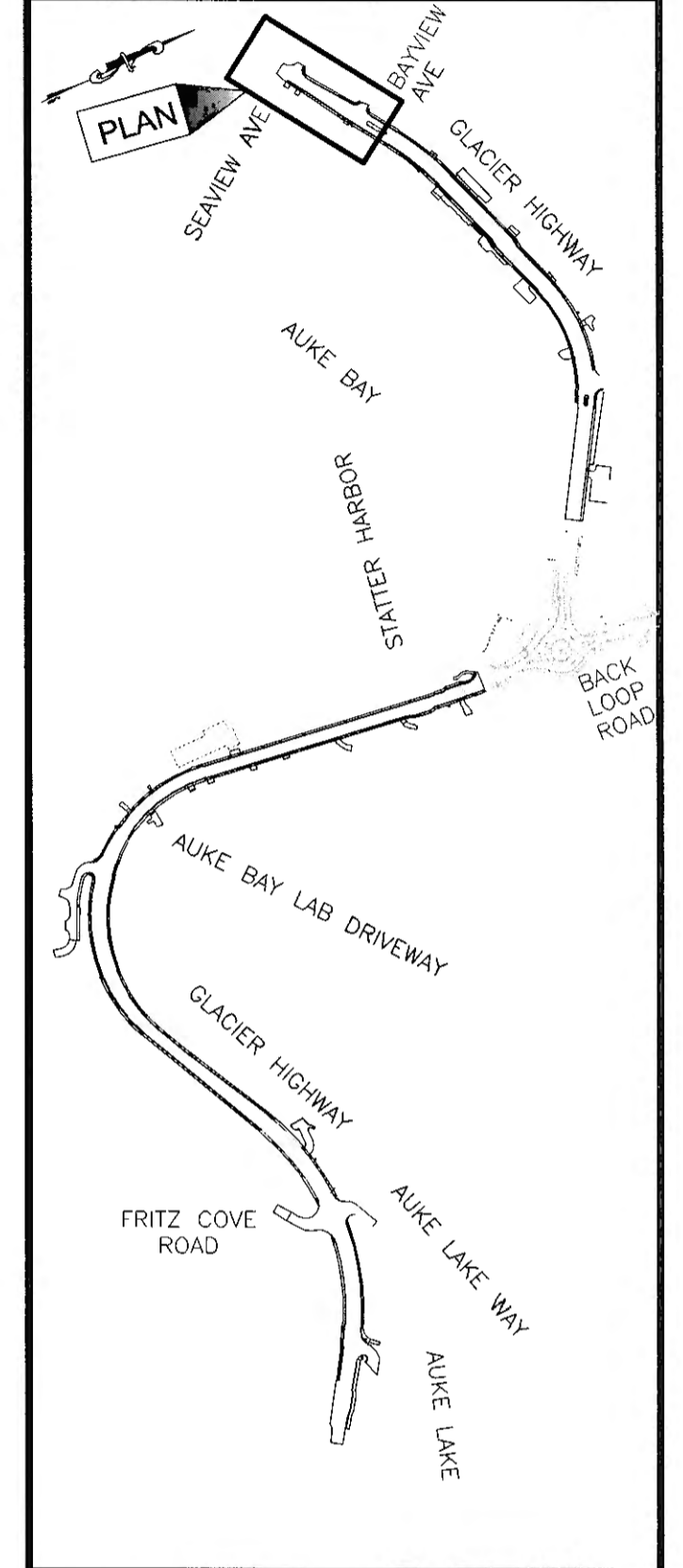
TAB: P20

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: S. KARI

DESIGNED BY: M. SPICER
DRAWN BY: C. PANNONE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE**

**ESCP SOIL
STABILIZATION
PHASE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
P20	145

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE TB Date: 1/6/2020

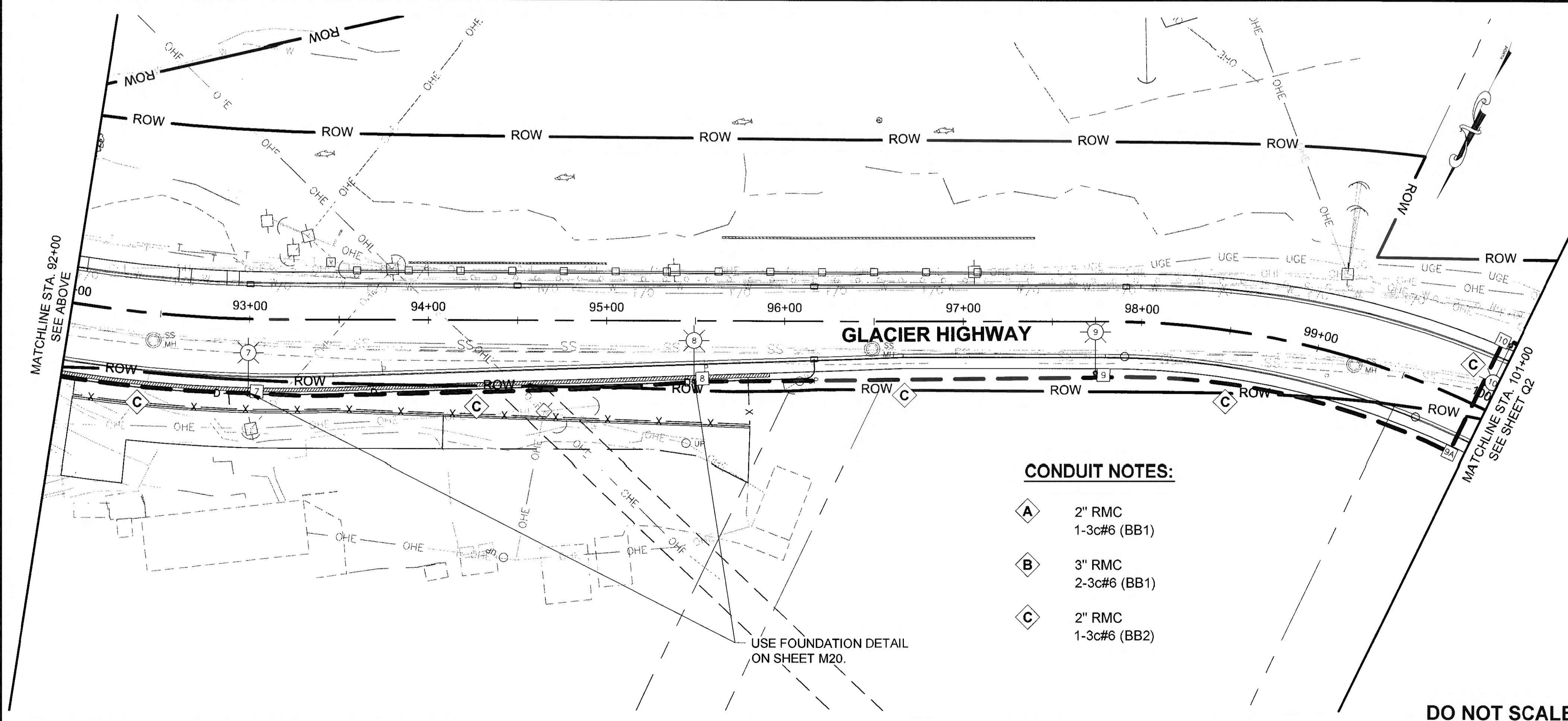
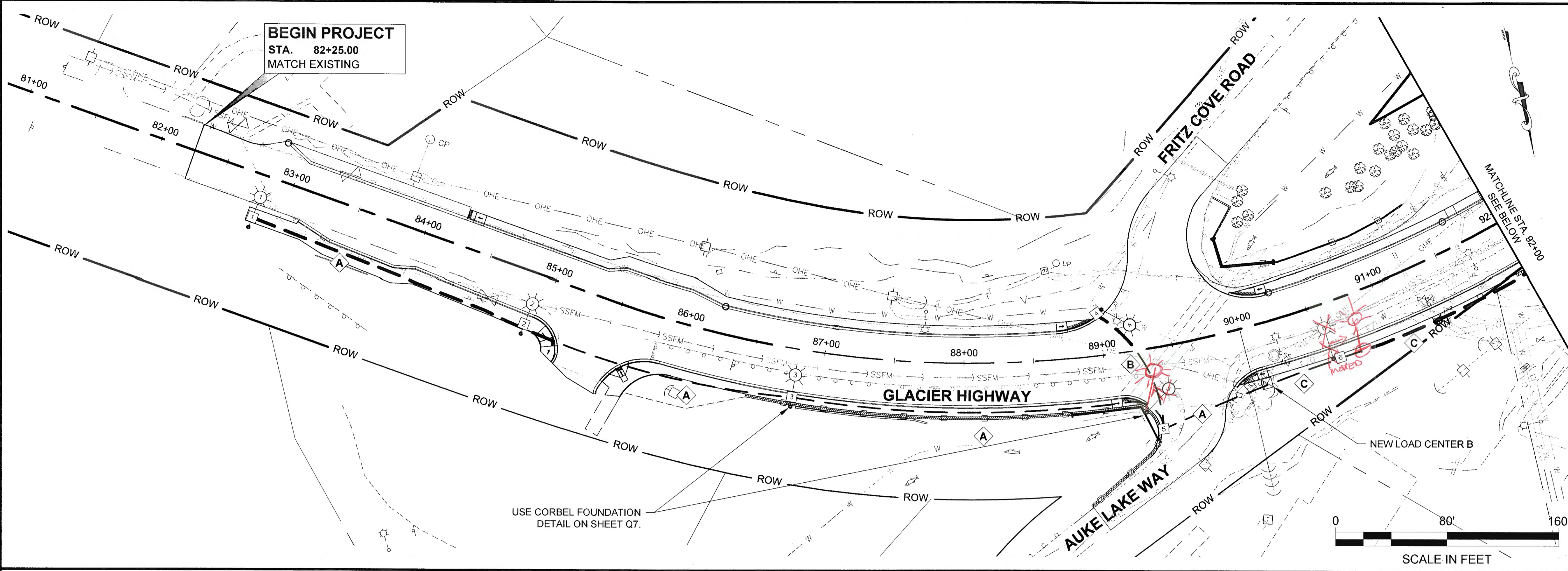
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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: Q1

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



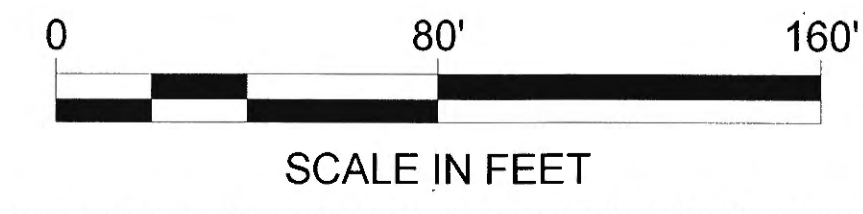
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/14/2020

GENERAL ILLUMINATION NOTES:

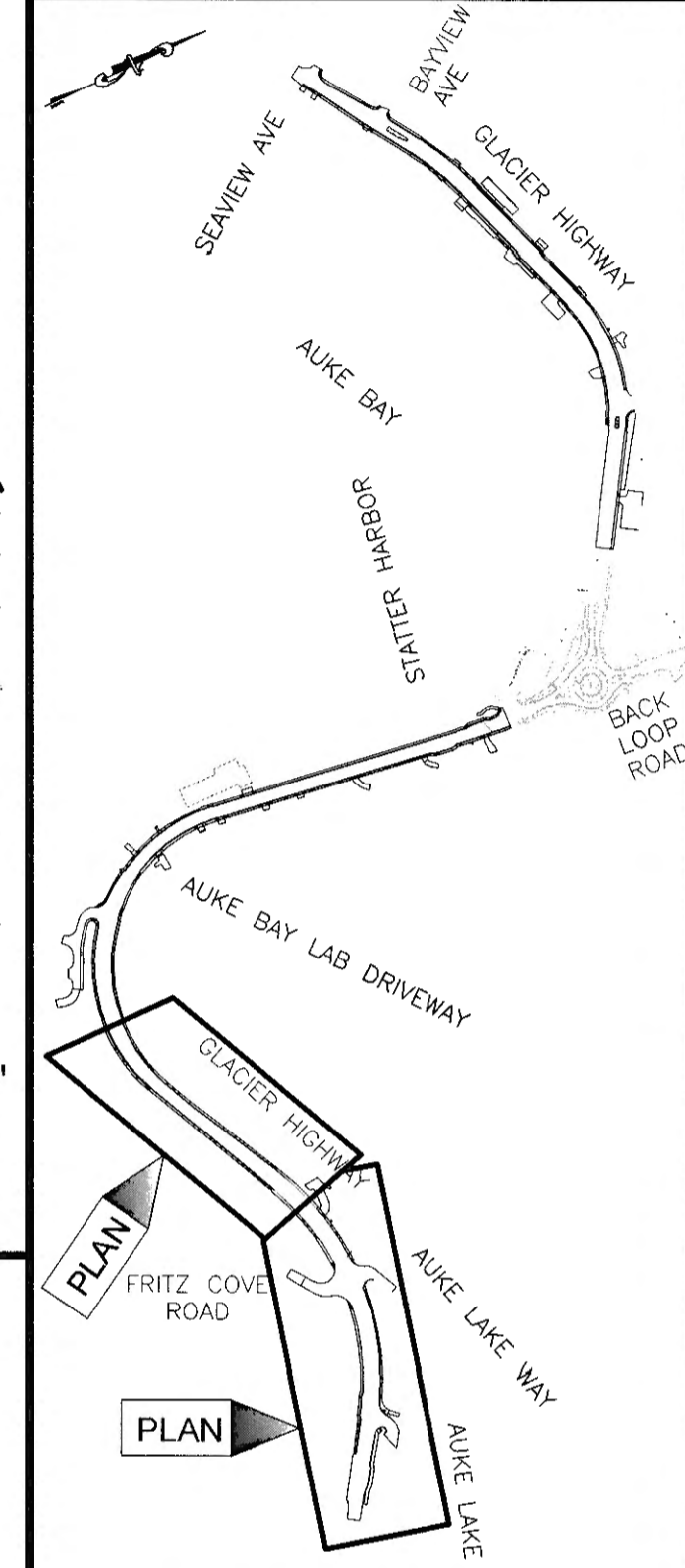
1. CONTRACTOR SHALL CONTAIN IMPROVEMENTS WITHIN THE ROAD R.O.W.
2. CONDUIT LAYOUT SHOWN IS SCHEMATIC. CONDUIT ROUTING SHALL BE AS DIRECT AS FEASIBLE BETWEEN STRUCTURES.
3. INSTALL INSULATED GROUND CONDUCTOR IN ALL CONDUIT. GROUND SHALL BE SAME SIZE AS THE PHASE CONDUCTORS, BUT NOT SMALLER THAN #8.
4. THE CIRCUITRY BETWEEN A LIGHT POLE AND THE ADJACENT JUNCTION BOX SHALL CONSIST OF 1-3c CABLE IN AND OUT (2-3c CABLES TOTAL) IN 2" RMC.
5. CONTRACTOR SHALL STAKE LIGHT POLE LOCATIONS PRIOR TO CONSTRUCTION TO VERIFY NO UTILITY CONFLICTS EXIST WITH PROPOSED POLE LOCATIONS. OBTAIN APPROVAL OF THE ENGINEER PRIOR TO INSTALLING FOUNDATIONS.

CONDUIT NOTES:

- A 2" RMC
1-3c#6 (BB1)
- B 3" RMC
2-3c#6 (BB1)
- C 2" RMC
1-3c#6 (BB2)



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PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO, T. GALAMBUSH

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

ILLUMINATION

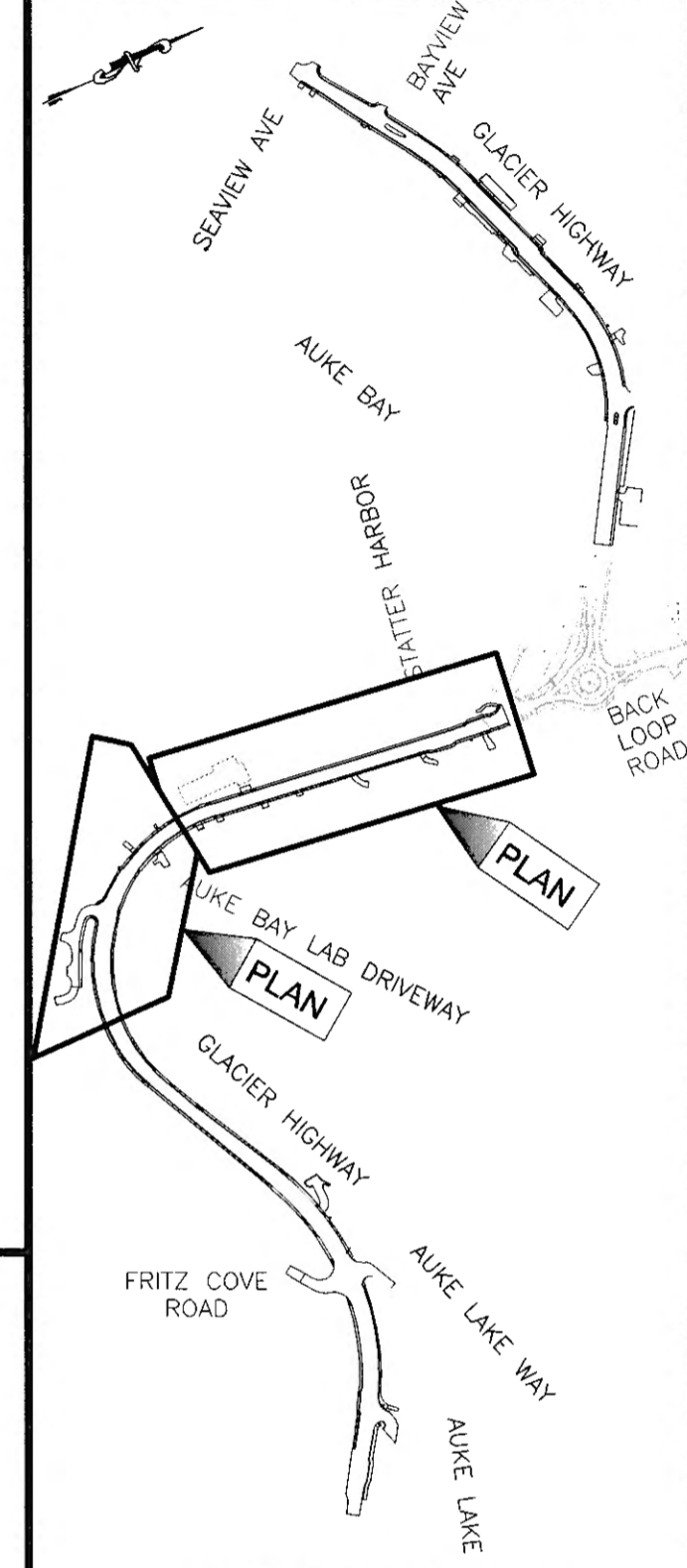
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0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
Q1	145

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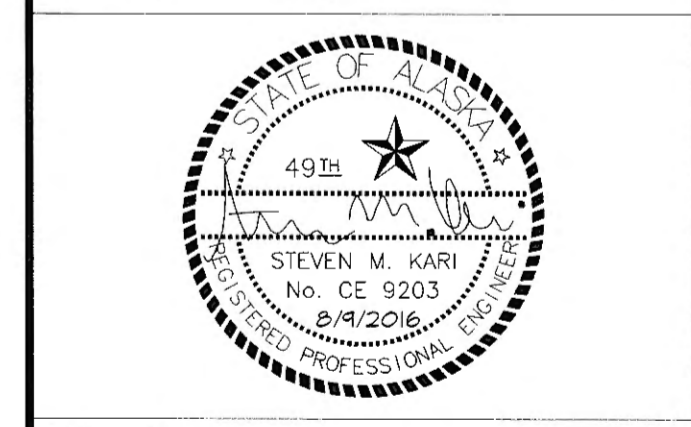
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: Q2
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND
 CHECKED BY: S. KARI

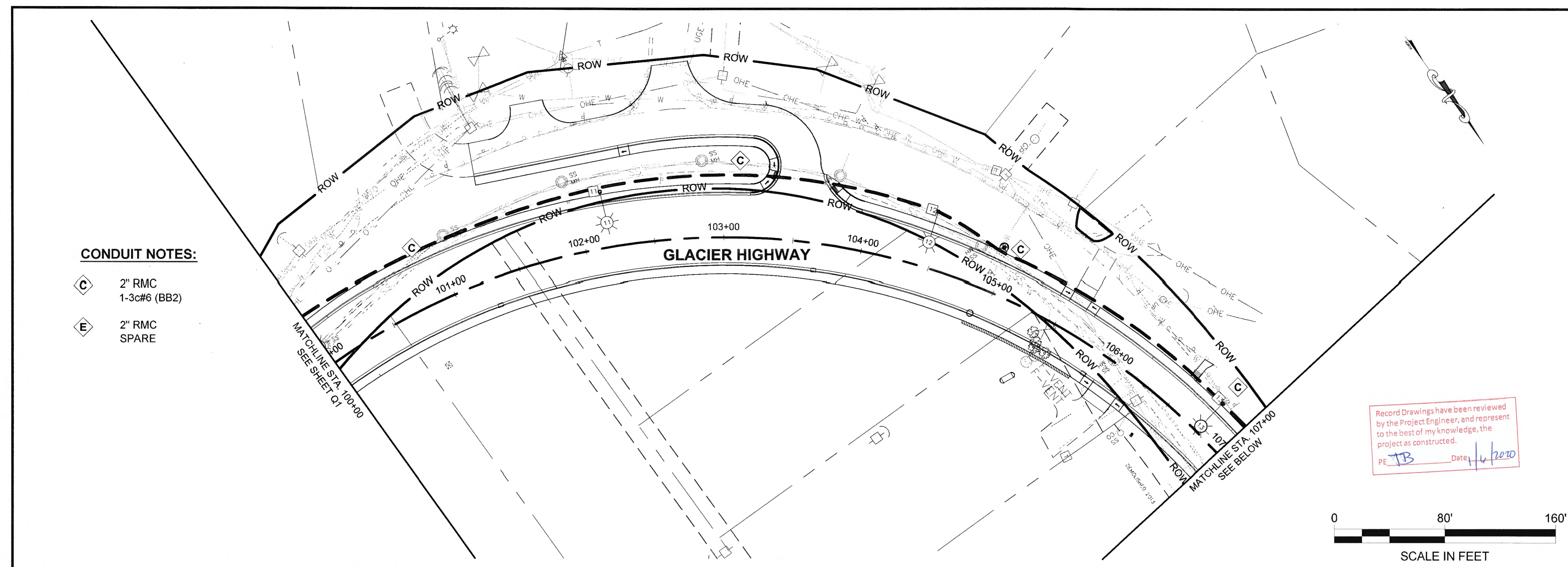


DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO, T. GALAMBUSH

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION
**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

ILLUMINATION

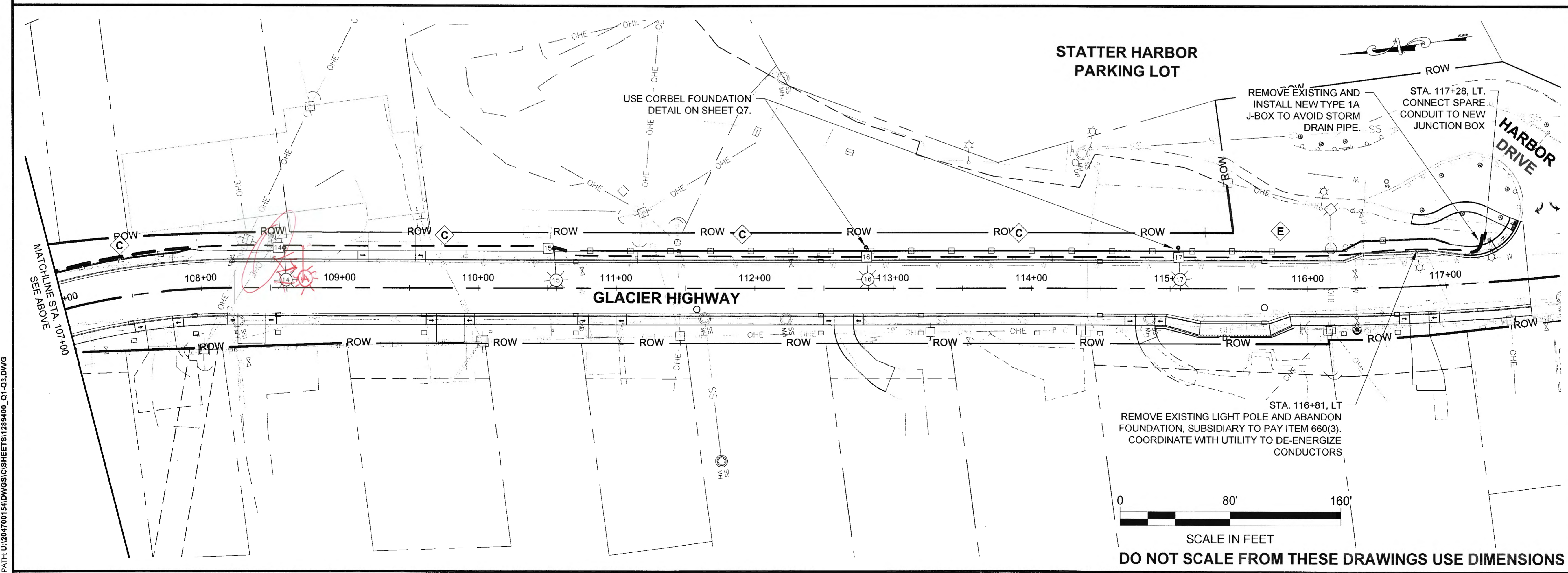
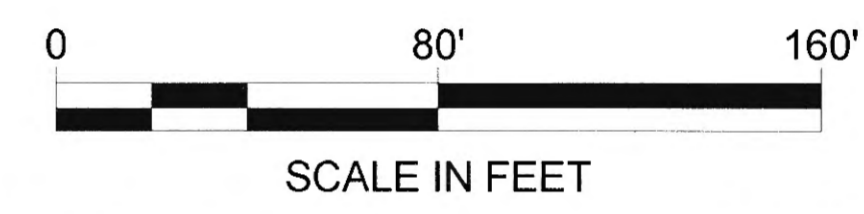
PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
Q2	145



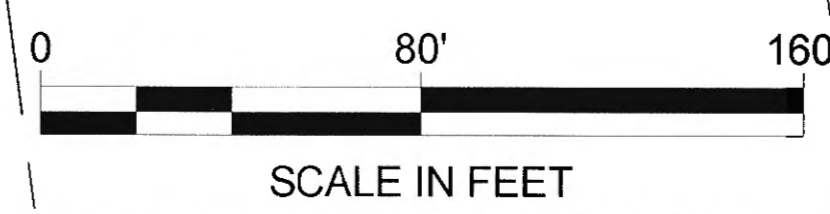
CONDUIT NOTES:

- C** 2" RMC
1-3c#6 (BB2)
- E** 2" RMC
SPARE

Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE: *TB* Date: *1/4/2020*



STA. 116+81, LT
 REMOVE EXISTING LIGHT POLE AND ABANDON
 FOUNDATION, SUBSIDIARY TO PAY ITEM 660(3).
 COORDINATE WITH UTILITY TO DE-ENERGIZE
 CONDUCTORS



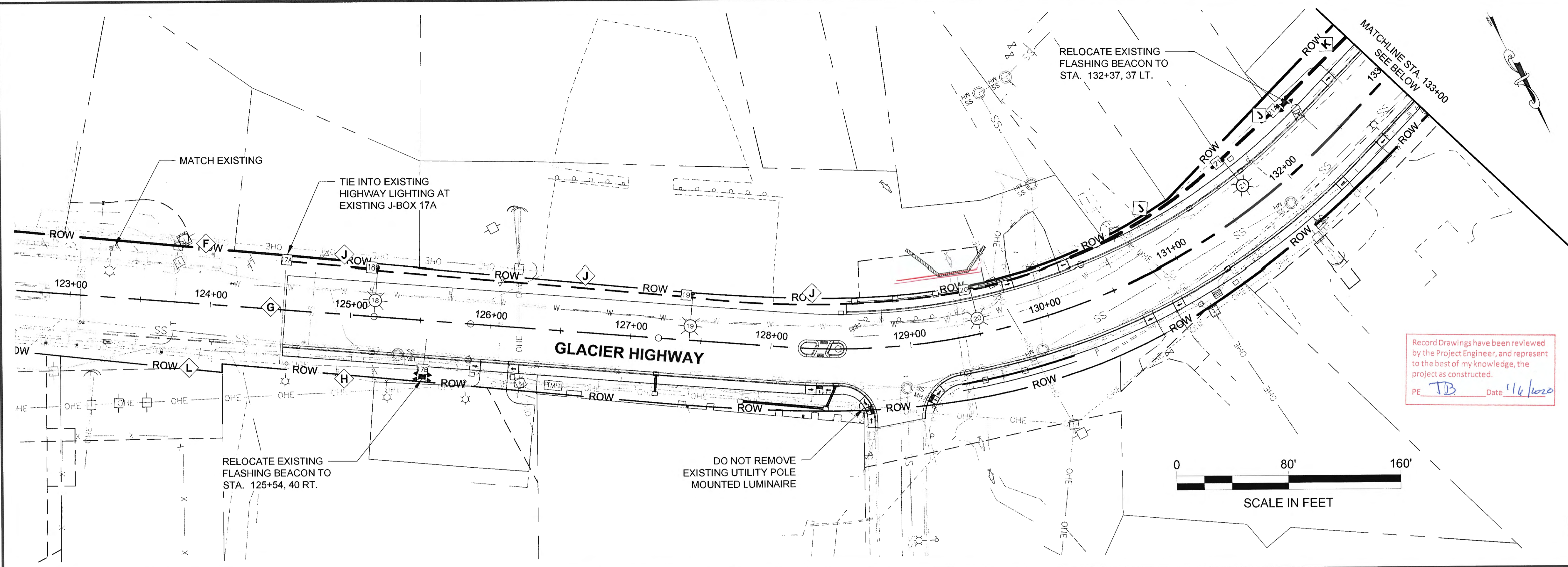
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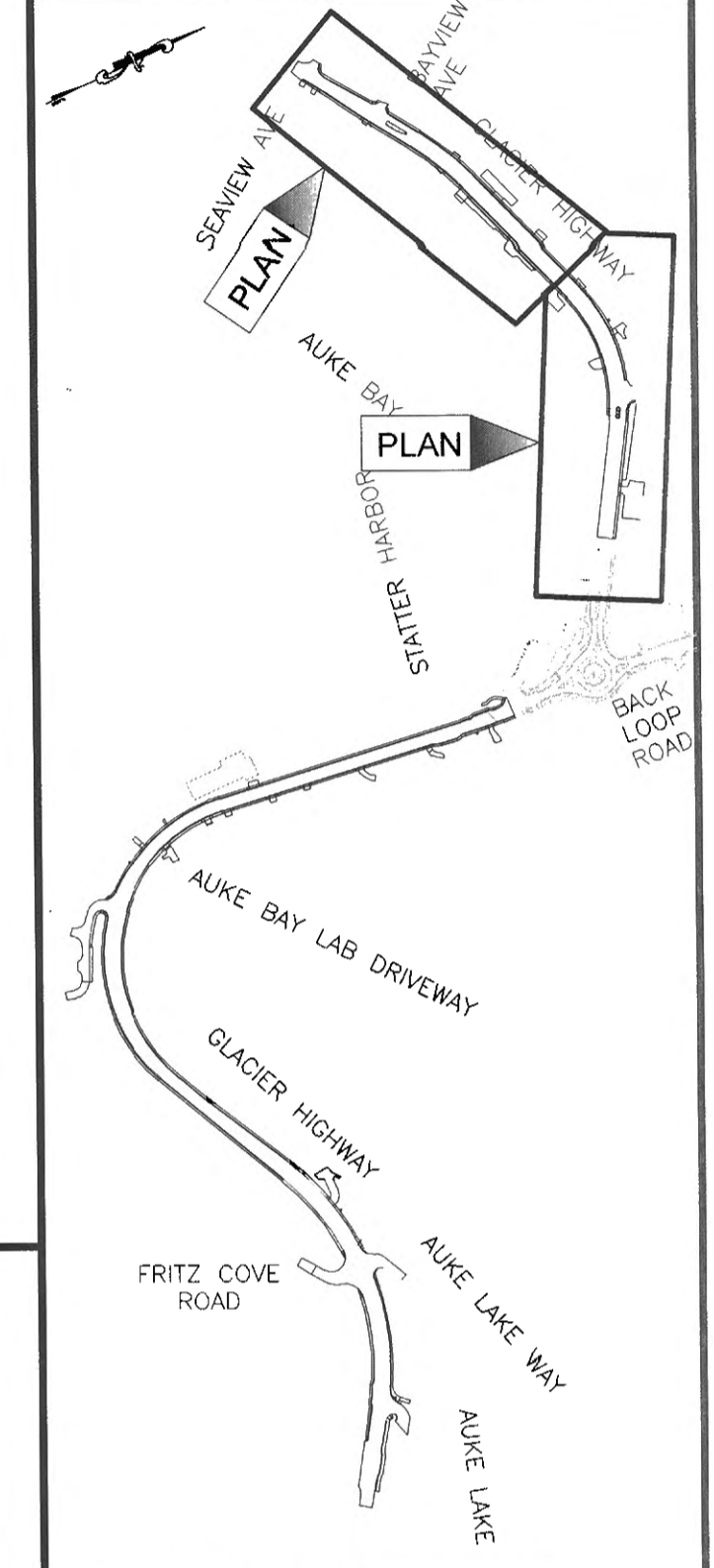
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: Q3

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: TD Date: 1/6/2020



PLAN LEGEND

CHECKED BY: S. KARI

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO, T. GALAMBUSH

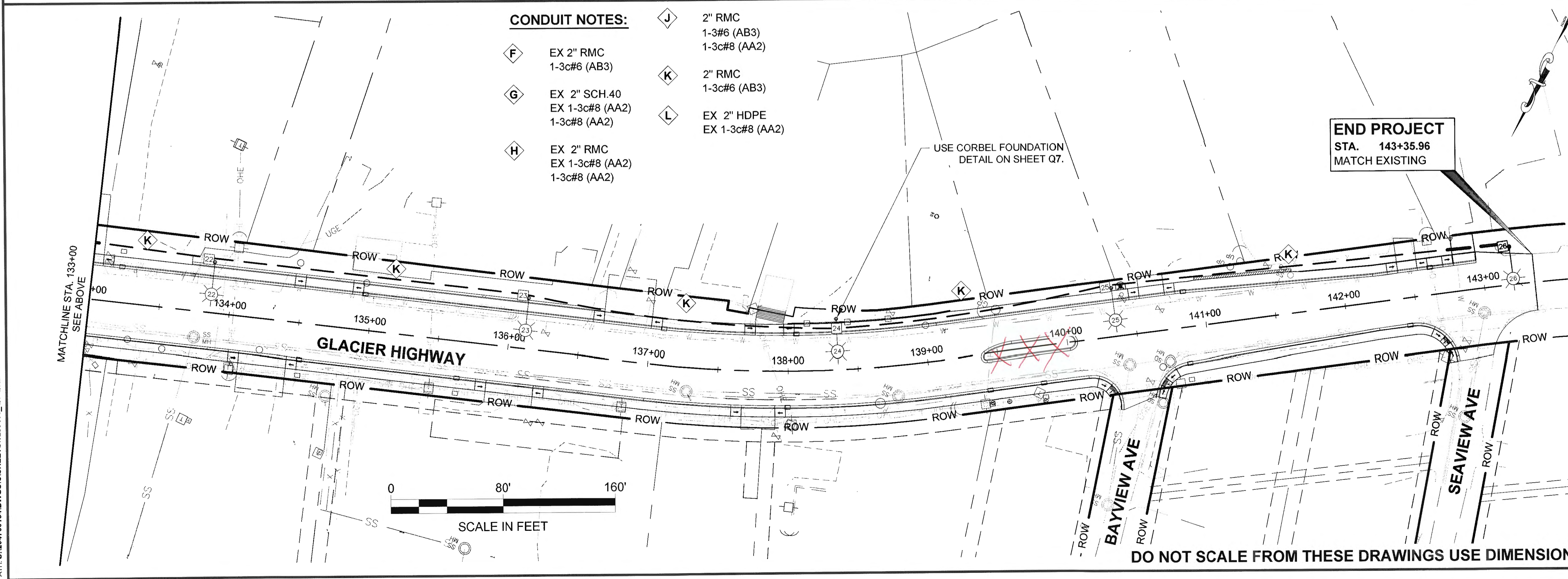
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE**

ILLUMINATION

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
Q3	145

- CONDUIT NOTES:**
- J** 2" RMC
1-3#6 (AB3)
1-3c#8 (AA2)
 - F** EX 2" RMC
1-3c#6 (AB3)
 - G** EX 2" SCH.40
EX 1-3c#8 (AA2)
1-3c#8 (AA2)
 - H** EX 2" RMC
EX 1-3c#8 (AA2)
1-3c#8 (AA2)
 - K** 2" RMC
1-3c#6 (AB3)
 - L** EX 2" HDPE
EX 1-3c#8 (AA2)



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LIGHT POLE SUMMARY

POLE #	STATION	OFFSET	FINISHED GROUND ELEV.	MOUNTING HT (FT)	MASTARM (FT)	LUMINAIRE				REMARKS
						TYPE	VOLTAGE	WATTAGE	CIRCUIT	
1	82+79	39 RT	81.65	40	15	LED	480	274	BB1	
2	84+89	43 RT	86.40	40	15	LED	480	274	BB1	
3	86+81	-	-	40	15	LED	480	274	BB1	USE CORBEL DETAIL ON SHEET Q7
4	89+03	33 LT	89.42	40	15	LED	480	274	BB1	
5	89+25	-	-	40	15	LED	480	274	BB1	USE CORBEL DETAIL ON SHEET Q7
6	90+57	40 RT	94.00	40	15	LED	480	274	BB2	
7	93+00	42 RT	105.25	40	15	LED	480	274	BB2	FG APPROX. 12' OVER ROADWAY. USE CORBEL DETAIL ON SHEET M20
8	95+49	34 RT	100.51	40	15	LED	480	274	BB2	FG APPROX. 15' OVER ROADWAY. USE BEHIND-WALL DETAIL ON SHEET M20
9	97+74	29 RT	76.88	40	15	LED	480	274	BB2	
10	99+97	39 LT	78.26	40	15	LED	480	274	BB2	
11	102+17	41 LT	80.45	40	15	LED	480	274	BB2	
12	104+45	41 LT	76.46	40	15	LED	480	274	BB2	
13	106+78	28 LT	72.29	40	15	LED	480	274	BB2	
14	108+60	29 LT	70.12	40	15	LED	480	274	BB2	
15	110+55	29 LT	68.26	40	15	LED	480	274	BB2	
16	112+81	-	-	40	15	LED	480	274	BB2	USE CORBEL DETAIL ON SHEET Q7
17	115+06	-	-	40	15	LED	480	274	BB2	USE CORBEL DETAIL ON SHEET Q7
18	125+17	35 LT	45.34	40	15	LED	480	274	AB3	
19	127+42	33 LT	44.06	40	15	LED	480	274	AB3	
20	129+49	34 LT	44.92	40	15	LED	480	274	AB3	
21	131+69	39 LT	46.05	40	15	LED	480	274	AB3	
22	133+86	36 LT	48.20	40	15	LED	480	274	AB3	
23	136+11	36 LT	49.92	40	15	LED	480	274	AB3	
24	138+36	-	-	40	15	LED	480	274	AB3	USE CORBEL DETAIL ON SHEET Q7
25	140+36	34 LT	59.93	40	15	LED	480	274	AB3	
26	143+20	27 LT	72.17	40	15	LED	480	274	AB3	

MOUNTING HEIGHT DIRECTIONS
 CONFLICTING
 " "

TAB: Q4

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNCTION BOX SUMMARY

JB #	STATION	OFFSET	TYPE	REMARKS
1	82+38	26 RT	1A	
2	84+58	36 RT	1A	
3	86+81	35 RT	1A	
4	88+99	30 LT	1A	
5	89+34	59 RT	1A	
6	90+65	40 RT	1A	
7	93+05	40 RT	1A	
8	95+54	32 RT	1A	
9	97+79	30 RT	1A	
9A	99+92	30 RT	1A	
10	99+93	40 LT	1A	
11	102+13	41 LT	1A	
12	104+41	41 LT	1A	
13	106+72	28 LT	1A	
14	108+56	29 LT	1A	
15	110+51	29 LT	1A	
16	112+81	23 LT	1A	
17	115+06	23 LT	1A	
17A	124+52	35 LT	1A	EXISTING J-BOX
17B	125+54	35 RT	1A	
18	125+13	34 LT	1A	
19	125+38	32 LT	1A	
20	129+45	33 LT	1A	
21	131+65	40 LT	1A	
21A	132+24	42 LT	1A	
22	133+82	38 LT	1A	
23	136+07	37 LT	1A	
24	138+36	29 LT	1A	
25	140+32	36 LT	1A	
26	143+16	28 LT	1A	

NOTES:

- PROVIDE LUMINAIRES WITH IESNA TYPE III MEDIUM LIGHT DISTRIBUTION WITH BACKLIGHT CONTROL.
- PROVIDE COBRA HEAD FIXTURES MEETING THE HIGHWAY LIGHTING DESIGN CRITERIA WITH THE WATTAGES AND POLE CONFIGURATIONS LISTED IN THE LIGHT POLE SUMMARY.
- RELOCATING EXISTING FLASHING BEACONS IS SUBSIDIARY TO PAY ITEM 660(3). SALVAGE EXISTING OR CONSTRUCT NEW FOUNDATIONS.

THIS SHEET WAS REVISED BY CO #17. PLEASE REFERENCE FOR REVISIONS.

HIGHWAY LIGHTING DESIGN CRITERIA

LUMINAIRE TYPE	LED
LUMINANCE, AVG (CD/M ²)	0.9
LUMINANCE, AVG/MIN	3:1
LUMINANCE, MAX/MIN	5:1
VEILING RATIO (MAX)	0.3:1
COLOR TEMPERATURE (CCT)	4000
COLOR RENDERING INDEX (CRI)	70 MIN

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/4/2020

CHECKED BY: S. KARI



DESIGNED BY:

DRAWN BY:

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

ILLUMINATION AND JUNCTION BOX SUMMARIES

PROJECT DESIGNATION

0933039/Z684710000

STATE YEAR
 ALASKA 2016

SHEET NUMBER TOTAL SHEETS

Q4 145

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

No.	DATE	DESCRIPTION

SUMMARY OF EXISTING LOAD CENTER: A				
LOAD CENTER TYPE 1				
LOAD CENTER:		LOCATION DATA: BACK LOOP RD STA 142+97, 43' LT		
POWER SOURCE:		UTILITY POLE ADJACENT LOAD CENTER		
PHOTOELECTRIC CONTROL: YES				
SERVICE VOLTAGE	1 PHASE,	3-WIRE,	480/240 VOLTS,	60 Hz.
INTERRUPTING CAPACITY OF CIRCUIT BREAKERS-SERIES RATED		10,000 AIC		
PROVIDE METER SOCKET?	YES	SERVICE AMPS	100A	
MAIN BREAKER A:		480 VOLT, 2 POLE, 30 AMPERES		SERVES:
MAIN BREAKER B:		480 VOLT, 2 POLE, 70 AMPERES		TRANSFORMER
TRANSFORMER, 10 KVA		480 VOLT PRIMARY, 240 VOLT SECONDARY		CONTACTOR
PANEL BREAKER A:		240 VOLT, 2 POLE, 50 AMPERES		PANEL BKR A
CONTACTOR:		600 VOLT, 2 POLE, 100 AMPERES		PANEL A
				PANEL B
LOAD PANEL A SUMMARY				
CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1	PHOTO ELECTRIC CONTROL	0.1	15A	2
2	EX. SCHOOL ZONE BEACON	0.2	20A	1
3	ROUNDAABOUT HOLIDAY OUTLETS	1.8	20A	1
4	SPARE		20A	2
PANEL LOAD:		2.1 KVA		
LOAD PANEL B SUMMARY				
CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1	GLACIER HWY SOUTH LTG & FUTURE	5.1	20A	2
2	BACK LOOP LTG	2.7	20A	2
3	GLACIER HWY NORTH LTG	3.3	20A	2
4	SPARE		20A	2
PANEL LOAD:		11.1 KVA		
TOTAL DEMAND LOAD:		16.5 KVA / 34.4 A		

NOTES:

- NO WORK REQUIRED IN THIS LOAD CENTER. ALL CIRCUITS ARE EXISTING. LOAD CENTER SHOWN FOR CIRCUIT DIRECTORY REFERENCE AND CIRCUIT LOAD CHANGES ONLY.

SUMMARY OF NEW LOAD CENTER: B				
LOAD CENTER TYPE 1				
LOAD CENTER:		LOCATION DATA: GLACIER HWY STA 90+09, 44' LT		
POWER SOURCE:		UTILITY POLE ADJACENT LOAD CENTER		
PHOTOELECTRIC CONTROL: YES				
SERVICE VOLTAGE	1 PHASE,	3-WIRE,	480/240 VOLTS,	60 Hz.
INTERRUPTING CAPACITY OF CIRCUIT BREAKERS-SERIES RATED		10,000 AIC		
PROVIDE METER SOCKET?	YES	SERVICE AMPS	100A	
MAIN BREAKER A:		480 VOLT, 2 POLE, 20 AMPERES		SERVES:
MAIN BREAKER B:		480 VOLT, 2 POLE, 80 AMPERES		TRANSFORMER
TRANSFORMER, 5 KVA		480 VOLT PRIMARY, 240 VOLT SECONDARY		CONTACTOR
PANEL BREAKER A:		240 VOLT, 2 POLE, 30 AMPERES		PANEL BKR A
CONTACTOR:		600 VOLT, 2 POLE, 100 AMPERES		PANEL A
				PANEL B
LOAD PANEL A SUMMARY				
CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1	PHOTO ELECTRIC CONTROL	0.1	15A	2
2	SPARE		20A	2
PANEL LOAD:		0.1 KVA		
LOAD PANEL B SUMMARY				
CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1	GLACIER HWY SOUTH LTG	1.4	20A	2
2	GLACIER HWY NORTH LTG	3.3	20A	2
3	SPARE		20A	2
PANEL LOAD:		4.7 KVA		
TOTAL DEMAND LOAD:		6.0 KVA / 12.5 A		

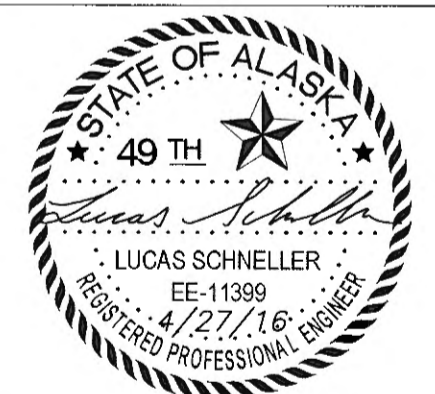
NOTES:

- STATION AND OFFSET INFORMATION GIVEN TO CENTER OF LOAD CENTER.
- UTILITY COMPANY WILL PROVIDE POWER TO LOAD CENTER. COORDINATE INSTALLATION AND UTILITY CONNECTION.
- PROVIDE LABEL ADJACENT TO MAIN CIRCUIT BREAKERS READING "AVAILABLE FAULT CURRENT = 1953 AMPS, CALCULATED ON 25 AUG 2015."
- CALCULATED FAULT CURRENT BASED ON LOAD CENTER BEING SERVED FROM 15 KVA UTILITY TRANSFORMER WITH 1.6% IMPEDANCE. VERIFY ACTUAL CONDITIONS WITH UTILITY AND NOTIFY ENGINEER IF DIFFERENT.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/4/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI



DESIGNED BY:

DRAWN BY:

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE

LOAD CENTER
 SUMMARY

PROJECT DESIGNATION

0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
Q5	145

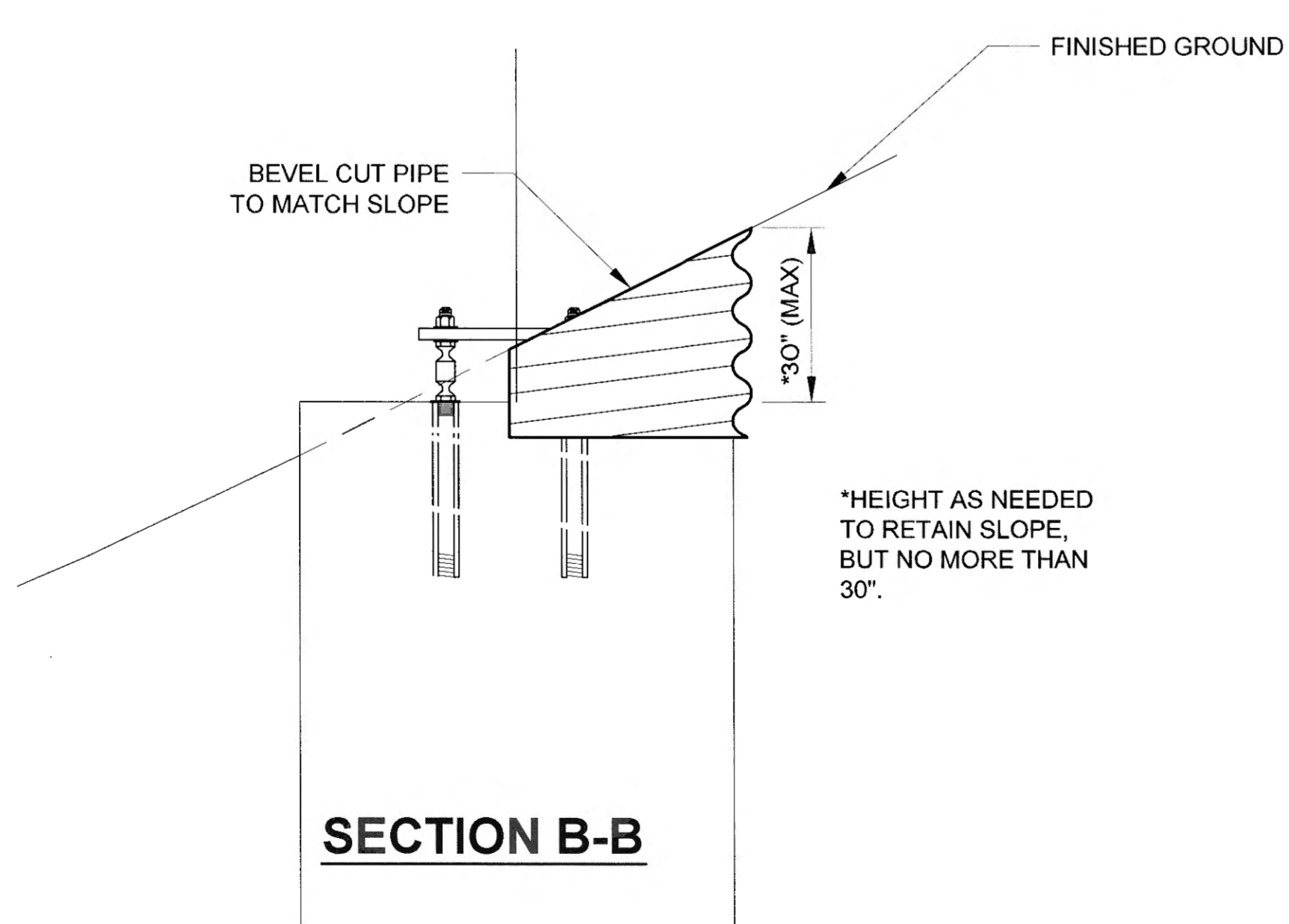
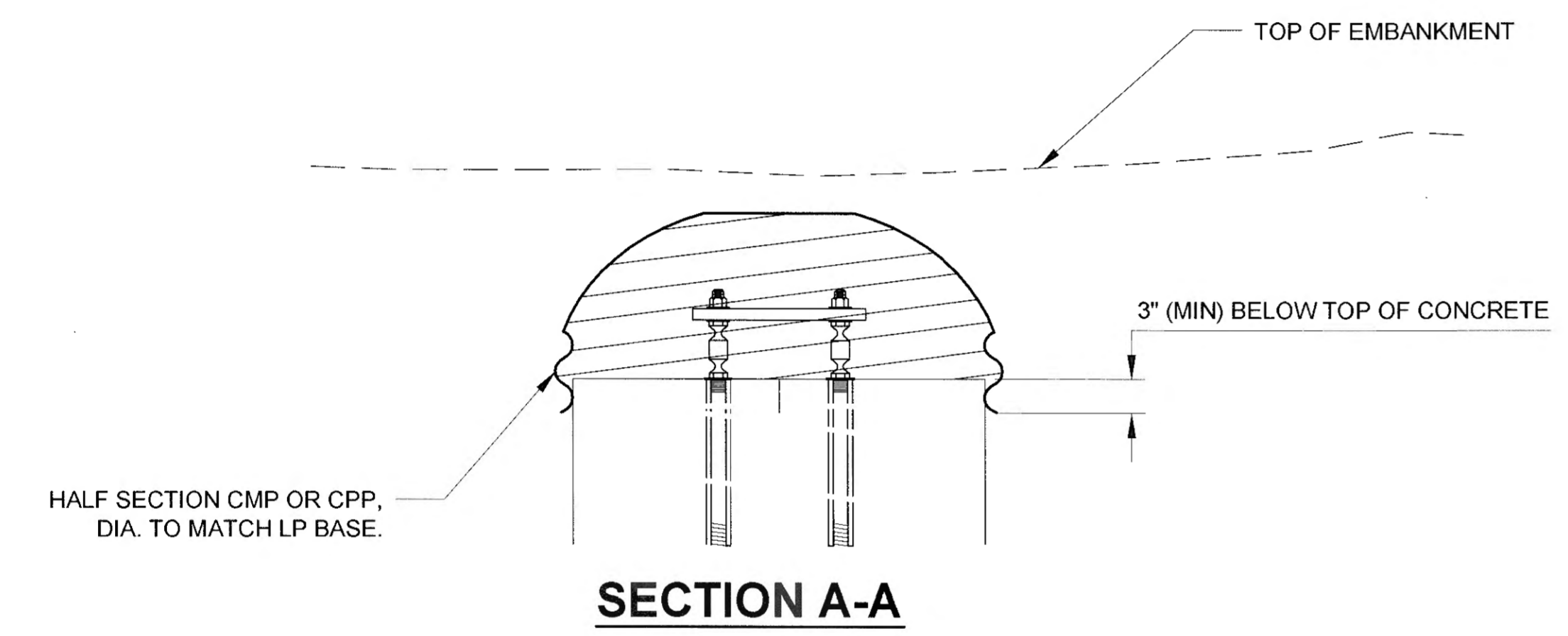
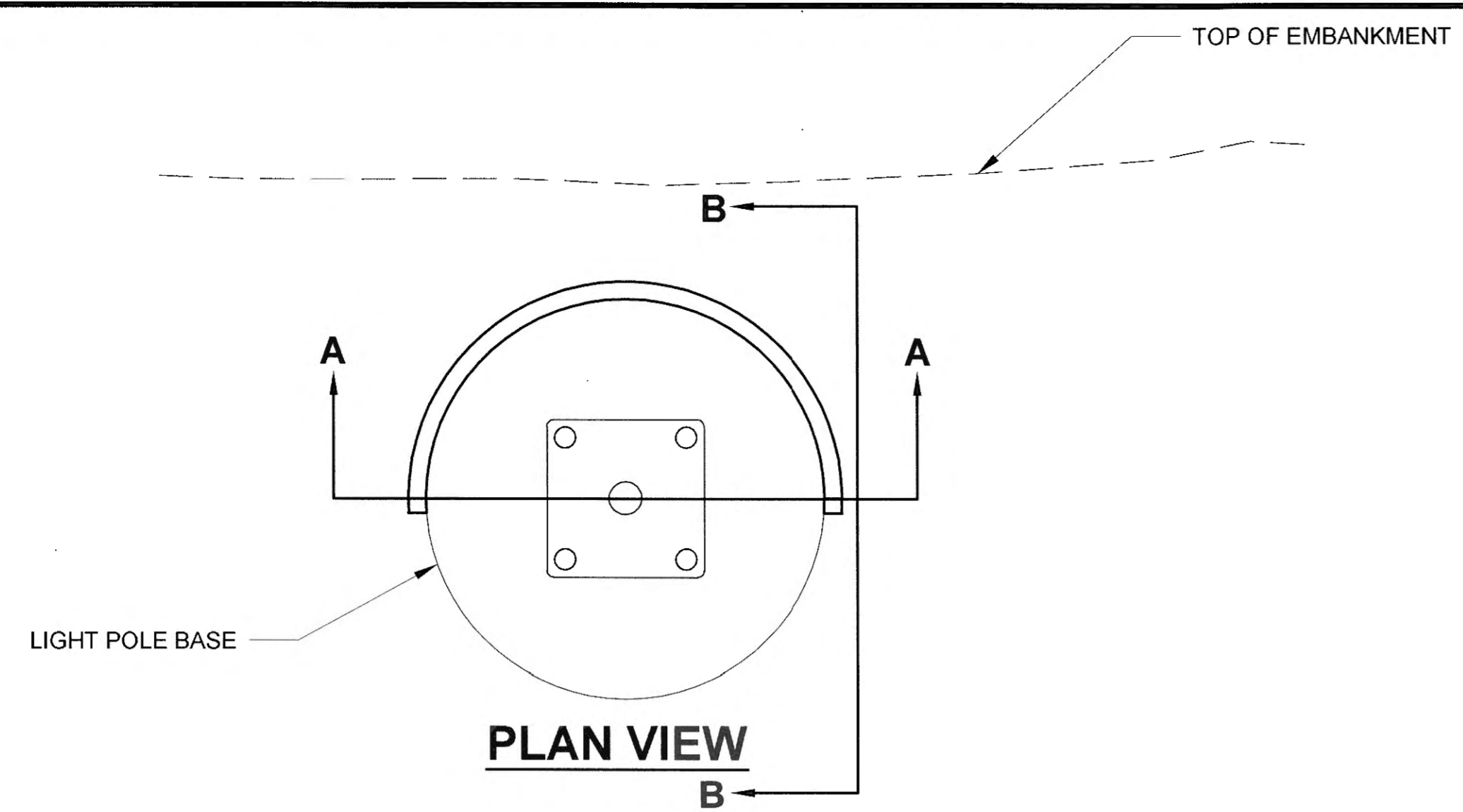
PLANS DEVELOPED BY:
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 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: Q6
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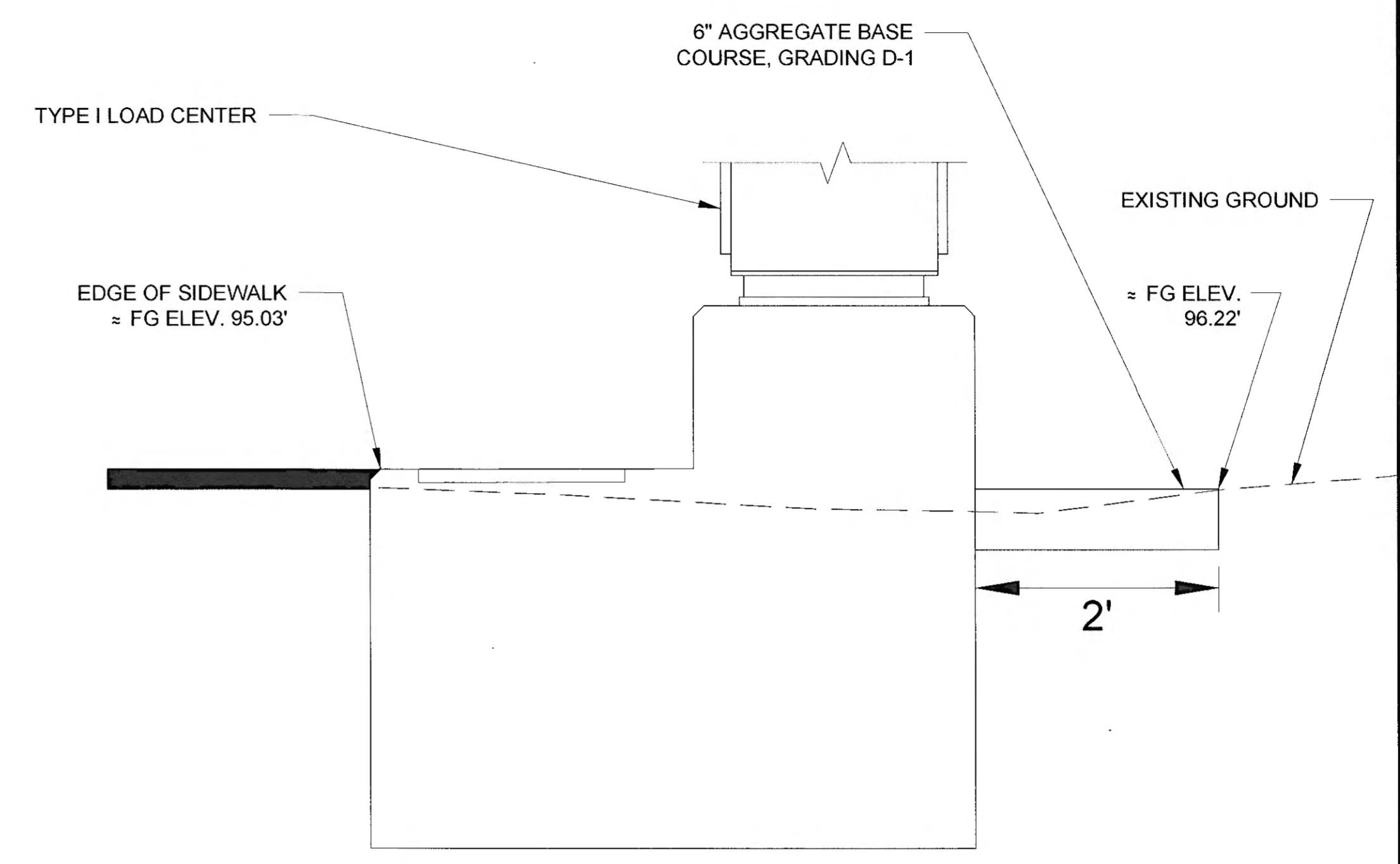
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RECORD OF REVISIONS

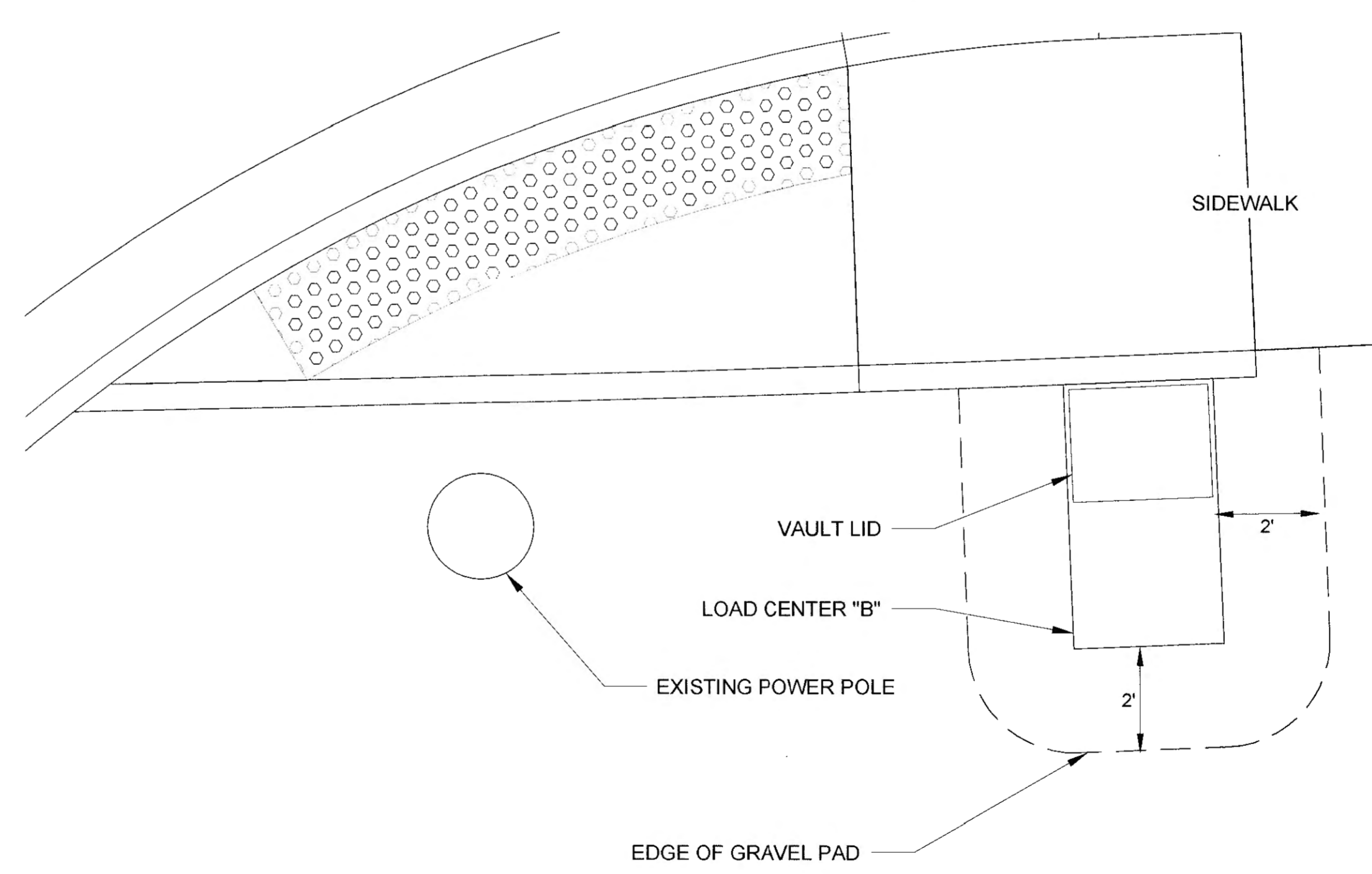
No.	DATE	DESCRIPTION



EMBANKMENT RETAINING CULVERT AT CUT/FILL SLOPES (WHERE NECESSARY)
 NTS



SECTION



LOAD CENTER B DETAILS
 NTS

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: TB Date: 1/6/2020

CHECKED BY: S. KARI



DESIGNED BY: L. GALBRAITH
 DRAWN BY: T. GALAMBUSH

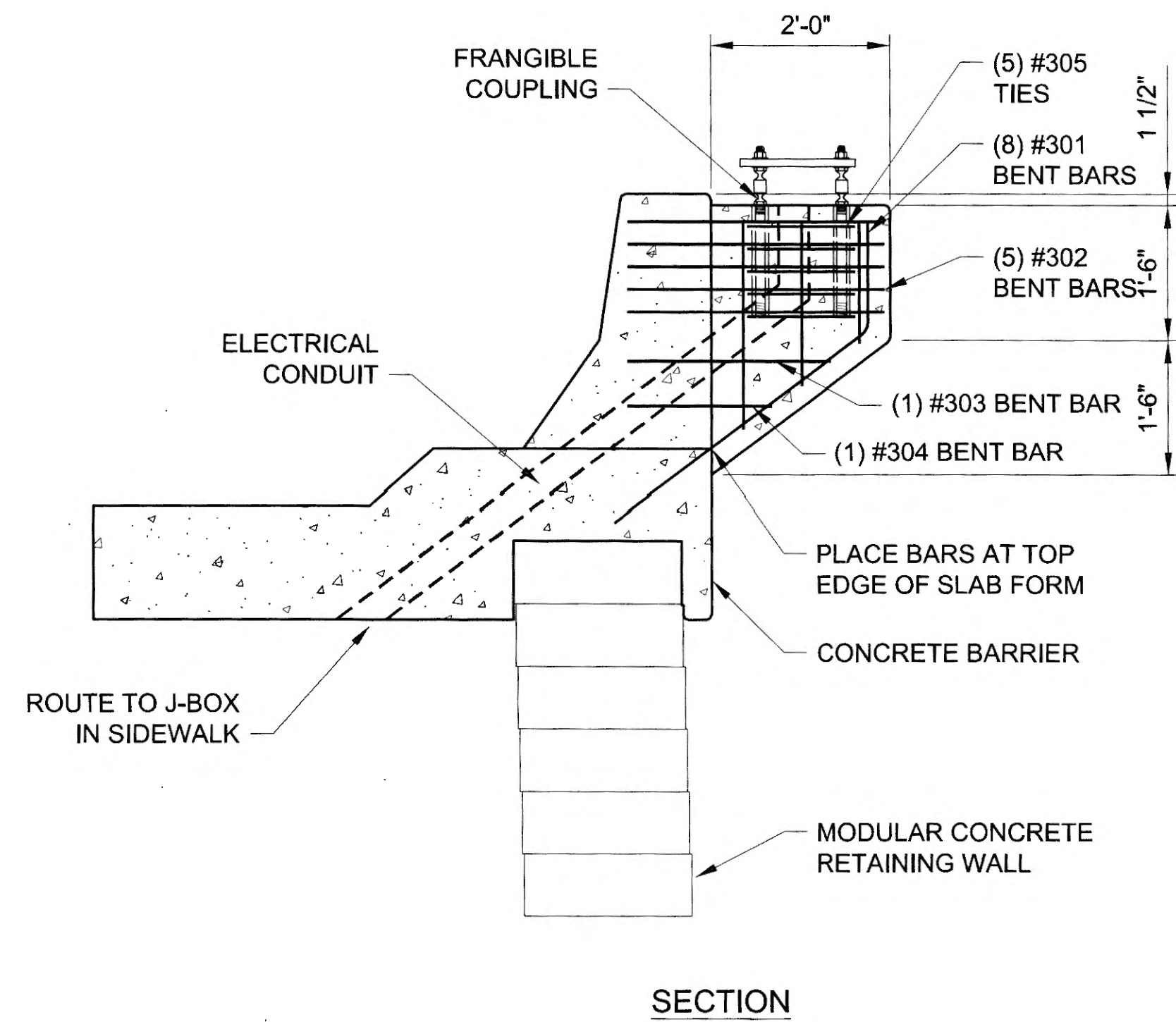
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION
GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

ILLUMINATION DETAILS

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
Q6	145

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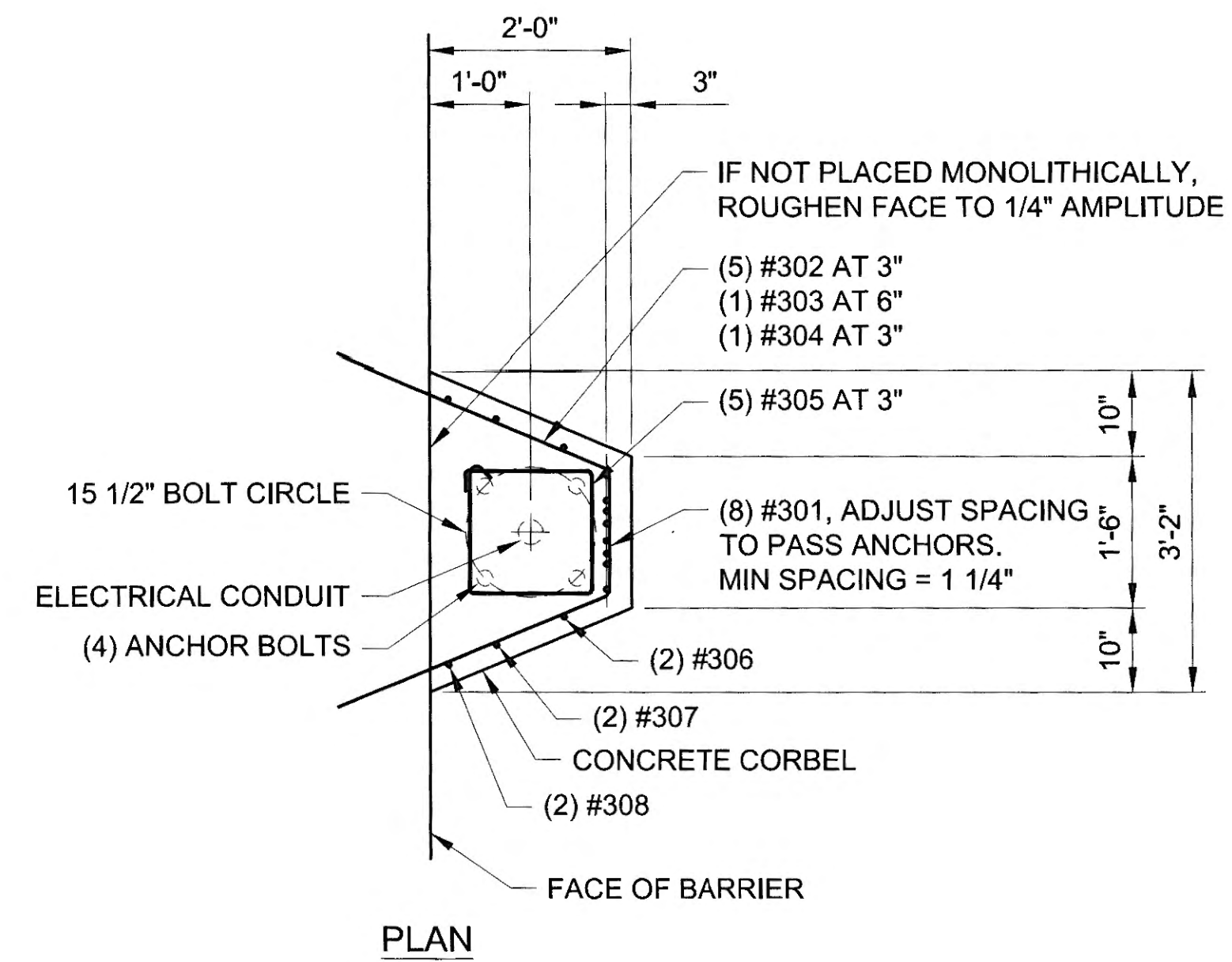
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



SECTION

**CORBEL FOUNDATION DETAIL - ELEVATION
(WHERE INDICATED IN Q4 SUMMARY TABLE)**

NTS



PLAN

CORBEL FOUNDATION DETAIL - PLAN

NTS

BARRIER SECTION REINFORCING - BAR LIST

ITEM	NO. PIECES	SIZE	LENGTH	BAR MARK	TYPE*	A	B	C	D	E	F	G	H	J	K	O	R
1	8	3		301	12	2.5	2'-7 1/2"	1'-1 1/2"	3'-6 1/2"				2'-10"		2'-1 1/2"		
2	5	3		302	3			2'-11"	1'-3 1/2"	2'-11"			2'-8 3/8"				
3	1	3		303	3			2'-9"	1'-7 5/16"	2'-9"			2'-6 1/2"				
4	1	3		304	3			2'-5"	2'-1 15/16"	2'-5"			2'-2 3/4"				
5	4	3		305	T1	3	1'-2 1/2"	1'-2 1/2"	1'-2 1/2"	1'-2 1/2"			3				
6		2		306	2	1'-4"	1'-8 1/4"						1'-4"				
7		2		307	2	1'-10"	2'-2 3/4"						1'-10"				
8		2		308	2	2'-4 1/2"	2'-7 1/2"						2'-4 1/2"				

*NOTE:
BAR "TYPES" REFER TO CONCRETE REINFORCING STEEL INSTITUTE DETAIL
REFERENCE TYPICAL BAR BEND DIAGRAMS.

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

TAB: Q7		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

CHECKED BY: S. KARI



DESIGNED BY: C. HAKARI

DRAWN BY: T. GALAMBUSH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE

**ILLUMINATION
DETAILS**

PROJECT DESIGNATION

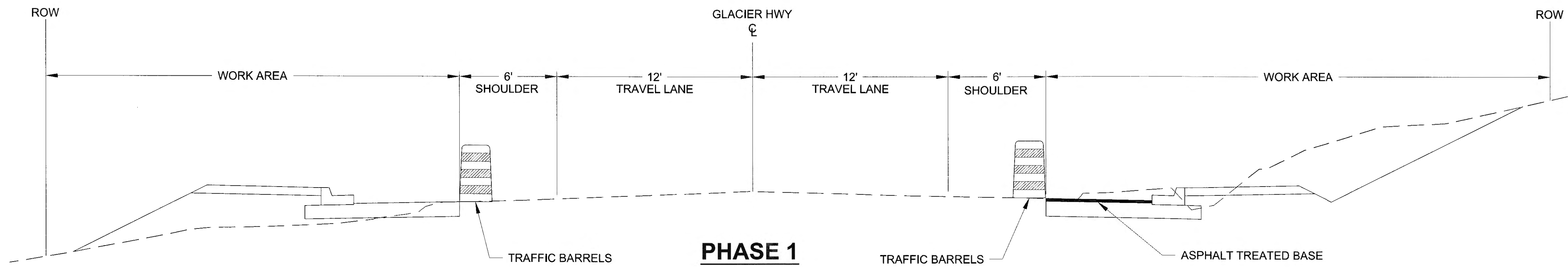
0933039/Z684710000

STATE YEAR
ALASKA 2016

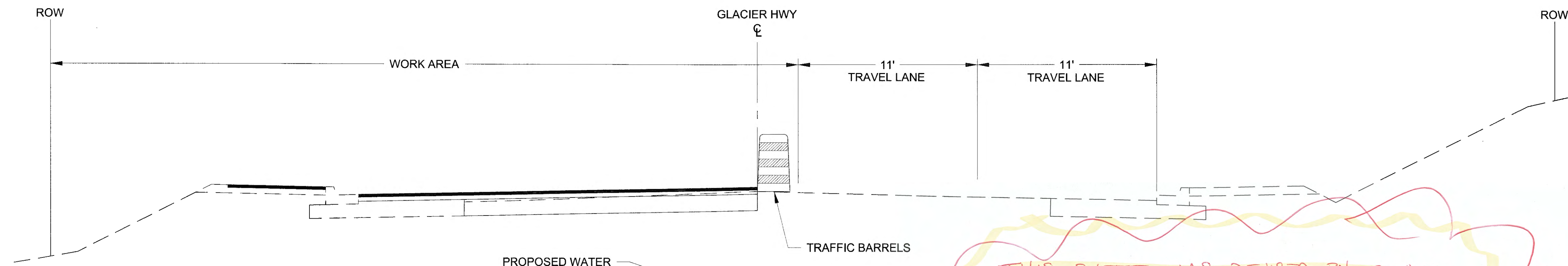
SHEET NUMBER TOTAL SHEETS
Q7 145

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE TB Date 1/16/2020

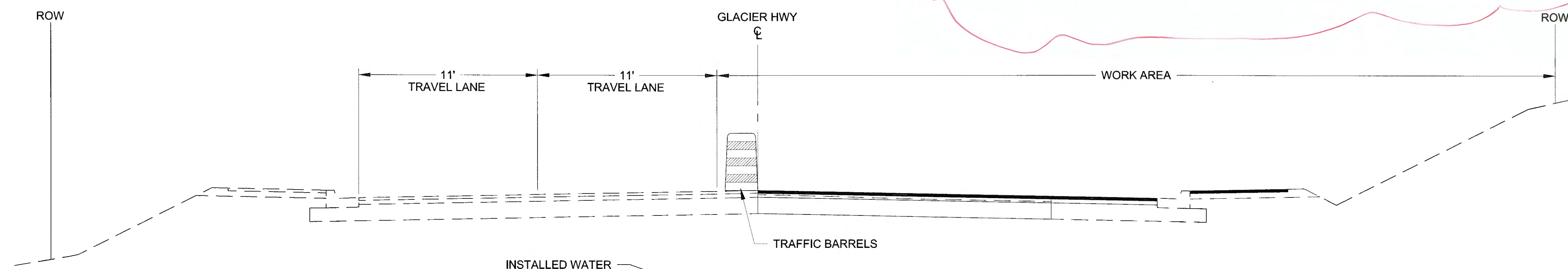
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PHASE 1



PHASE 2



PHASE 3

PHASE 1 NOTES:

1. REMOVE EXISTING FEATURES AS NECESSARY TO EXTENT SHOWN IN THE PLANS, AND AS APPROVED.
2. EXCAVATE AND EMBANK MATERIAL AS REQUIRED TO WIDTH AND SLOPES SHOWN IN TYPICAL SECTIONS.
3. CONSTRUCT RETAINING WALLS AND TRAFFIC BARRIERS WHERE REQUIRED.
4. CONSTRUCT STORM DRAIN, ILLUMINATION CONDUIT, AND WATER LINE CROSSINGS PARTIAL WIDTH, OR AS APPROVED. LEAVE EXISTING STORM DRAIN AND WATER LINE FUNCTIONING AS REQUIRED.
5. CONSTRUCT PARALLEL STORM DRAIN SYSTEMS AS NECESSARY BOTH SIDES.
6. CONSTRUCT SHOULDER AND SIDEWALK TO BOTTOM OF SUBGRADE ON LEFT AND CURB AND GUTTER ON BOTH.
7. PLACE TEMPORARY PAVEMENT ON RIGHT WIDENED SHOULDER TO MATCH EXISTING PAVEMENT GRADE.

PHASE 2 NOTES:

1. ROUTE TRAFFIC TO RIGHT SIDE TEMPORARILY.
2. CONSTRUCT PROPOSED WATER LINE, CONNECT TO EXISTING.
3. REMOVE EXISTING WATER LINE.
4. CONSTRUCT STORM DRAIN AND ILLUMINATION CONDUIT CROSSING HALF WIDTH, OR AS APPROVED.
5. CONSTRUCT ROADWAY PER TYPICALS ON LEFT SIDE.
6. PLACE ATB AND ASPHALT ON ROADWAY AND SHOULDER.
7. PLACE ASPHALT ON SIDEWALK.

PHASE 3 NOTES:

1. ROUTE TRAFFIC TEMPORARILY TO THE LEFT SIDE OF THE ROADWAY.
2. COMPLETE STORM DRAIN SYSTEM.
3. COMPLETE ILLUMINATION CONDUIT TRENCHING.
4. CONSTRUCT ROADWAY ACCORDING TO TYPICAL SECTIONS ON RIGHT SIDE.
5. REMOVE TEMPORARY PAVEMENT ON RIGHT SHOULDER.
6. PLACE ATB AND ASPHALT ON ROADWAY AND SHOULDER.
7. PLACE ASPHALT ON SIDEWALK.
8. CONSTRUCT GUARDRAIL, ILLUMINATION, SIGNING, AND FINAL STRIPING.

THIS SHEET WAS REVISED BY CO#2.
 PLEASE REFERENCE CO#2 TO VIEW CHANGES.
 ON ALL S SHEETS REMOVED PE
 STAMP AND SIGNATURE ON PLAN SHEET

GENERAL NOTES:

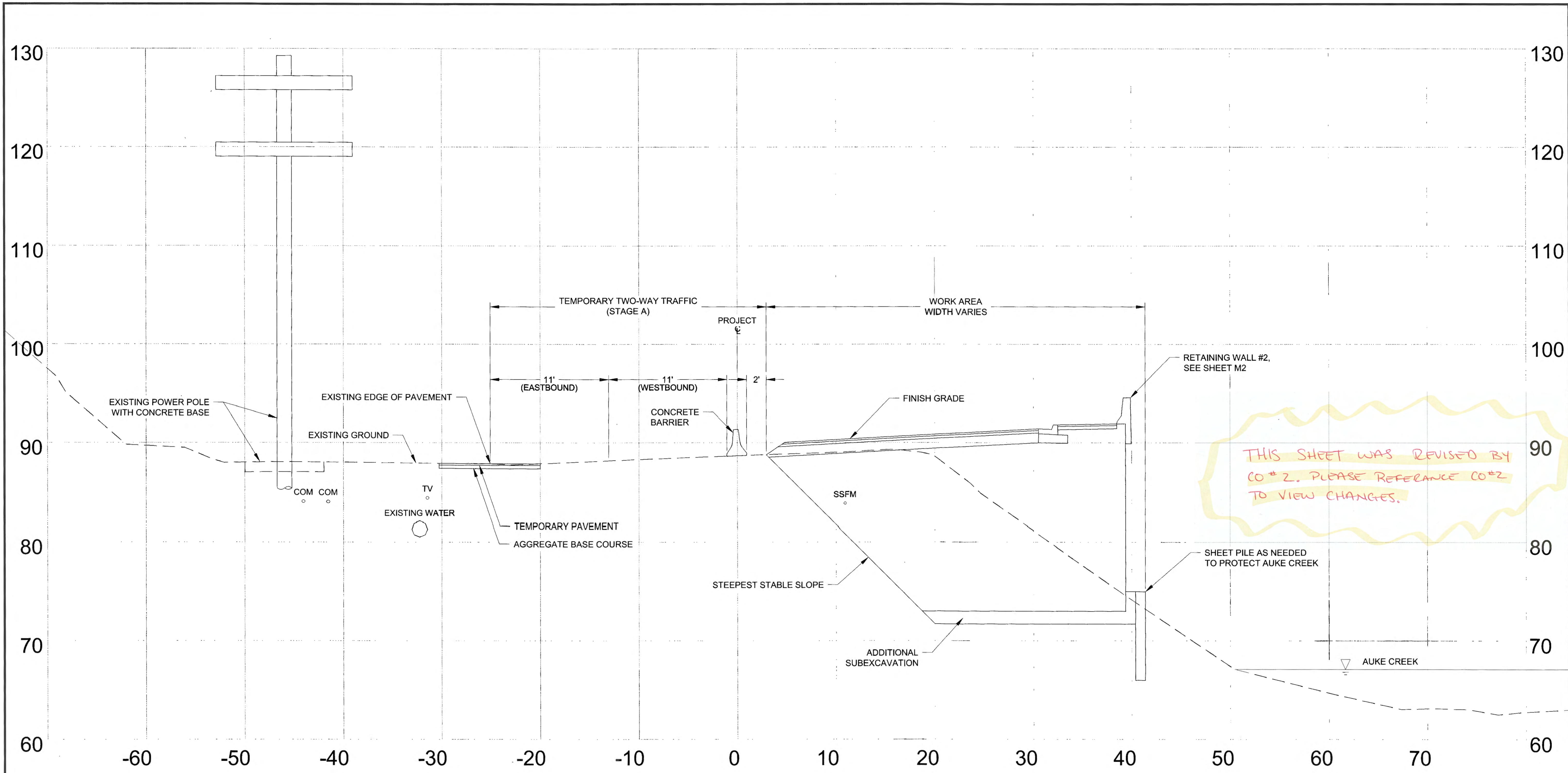
1. THE CONTRACTOR MUST SUBMIT A CONSTRUCTION PHASING PLAN TO CONSTRUCT THE PROJECT. SEE SPECIFICATIONS FOR TIMES WHEN LANE CLOSURES AND OTHER TRAFFIC RESTRICTIONS ARE ALLOWED. WHEN TRAFFIC RESTRICTIONS ARE NOT PERMITTED, MAINTAIN TWO LANES IN EACH DIRECTION.
2. CONSTRUCTION PHASING SHOWN DEPICTS A TYPICAL SECTION OF ROADWAY THAT EXPANDS THE TWO LANE WITH NO TURN LANE EXISTING ROADWAY INTO A TWO LANE WITH A TURN LANE ROADWAY AS SEEN FROM STATION 117+21.56 TO 140+71.71.
3. WHEN CONSTRUCTING THE EXISTING TWO LANE ROADWAY WITH NO TURN LANE INTO A NEW TWO LANE ROADWAY WITH NO TURN LANE, CONSTRUCT SHOULDER AND SIDEWALK SECTION SHOWN IN PHASE 1 TO EXISTING SHOULDER GRADE AND ELEVATION. PROVIDE SUITABLE SUBGRADE, AGGREGATE BASE COURSE, AND TEMPORARY PAVING TO ALLOW A TEMPORARY SHIFT OF TRAFFIC TO THE EXPANDED SHOULDER WHILE CONSTRUCTING THE REST OF THE ROADWAY WIDTH.
4. THE MAXIMUM LENGTH OF OPEN EXCAVATION IN THE WORK ZONE SHALL NOT EXCEED 1800 FT.
5. MAINTAIN AT LEAST 1 DRIVEWAY ACCESS TO EACH BUSINESS AND RESIDENCE. CLOSURES MAY BE APPROVED FOR UP TO 8 HOURS WITH 24 HOURS NOTICE.
6. CLOSE LANES WHEN TRAFFIC RESTRICTIONS ARE ALLOWED. MAINTAIN TWO WAY TRAFFIC AT ALL TIMES. EXCAVATION IN THE AUKE CREEK VICINITY WILL REQUIRE SINGLE LANE OPERATIONS FOR A PERIOD OF NO LONGER THAN 3 WEEKS. UTILIZE FLAGGERS DURING PERIODS WHEN SINGLE LANE OPERATION IS ALLOWED.
7. ALL TRAFFIC SHALL BE ROUTED ONTO PAVED SURFACES ONLY EXCEPT AS ALLOWED IN THE SPECIFICATIONS AND IN THE TCP. TRAFFIC MAY BE ROUTED OVER ALTERNATE MATERIALS IF APPROVED BY THE ENGINEER.
8. PROVIDE TEMPORARY TRAFFIC MARKINGS BEFORE SWITCHING TRAFFIC TO A NEW LANE CONFIGURATION.
9. ROAD SECTION FROM STATION 100+22.24 TO STATION 103+14.52 SHALL BE CONSTRUCTED IN FULL PRIOR TO ROUTING TRAFFIC ONTO IT, OR AS APPROVED.
10. PROVIDE ACCOMODATIONS FOR PEDESTRIANS.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB 11/18/2016

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION	
DESIGNED BY: L. GALBRAITH		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DRAWN BY: B. PADDOCK		CONSTRUCTION PHASING	
Friday, November 18, 2016 1:42:40 PM			
TAB: S1			
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	SHEET NO.
		0933039/Z684710000	2016
			S1
			145

PATH: U:\2017\0115\INDWG\CS\SHEETS\1286400_S1-ST.DWG



PHASE 4 - RETAINING WALL #2A CONSTRUCTION

GLACIER HIGHWAY
STA. 86+50, RT TO STA. 88+75, RT

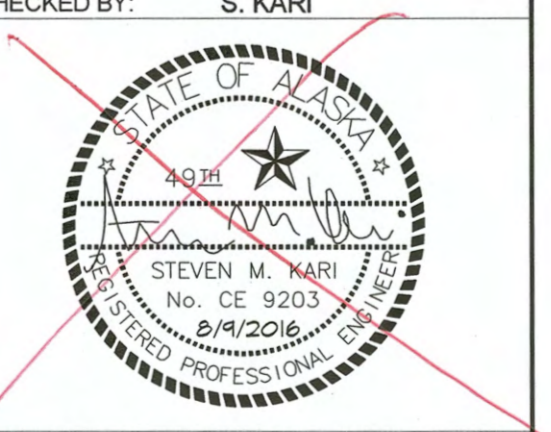
NOTES:

1. PLACE AGGREGATE BASE COURSE AND TEMPORARY PAVEMENT TO WIDEN LEFT SIDE OF SHOULDER AS NECESSARY TO PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION.
2. PROVIDE TEMPORARY TRAFFIC MARKINGS.
3. PROVIDE CONCRETE BARRIERS ON EDGE OF WORK AREA AS REQUIRED.
4. EXCAVATE AND INSTALL SHEET PILES AS NECESSARY.
5. REROUTE SANITARY SEWER FORCE MAIN AS NECESSARY.
6. CONSTRUCT RETAINING WALL AND BACKFILL PER MANUFACTURERS RECOMMENDATIONS.
7. CONSTRUCT ROADWAY PER TYPICAL SECTION.
8. PROVIDE TEMPORARY TRAFFIC MARKINGS.
9. ROUTE TRAFFIC ONTO NEW DRIVING SURFACE WHEN APPROVED.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE: TB Date: 11/6/2016

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

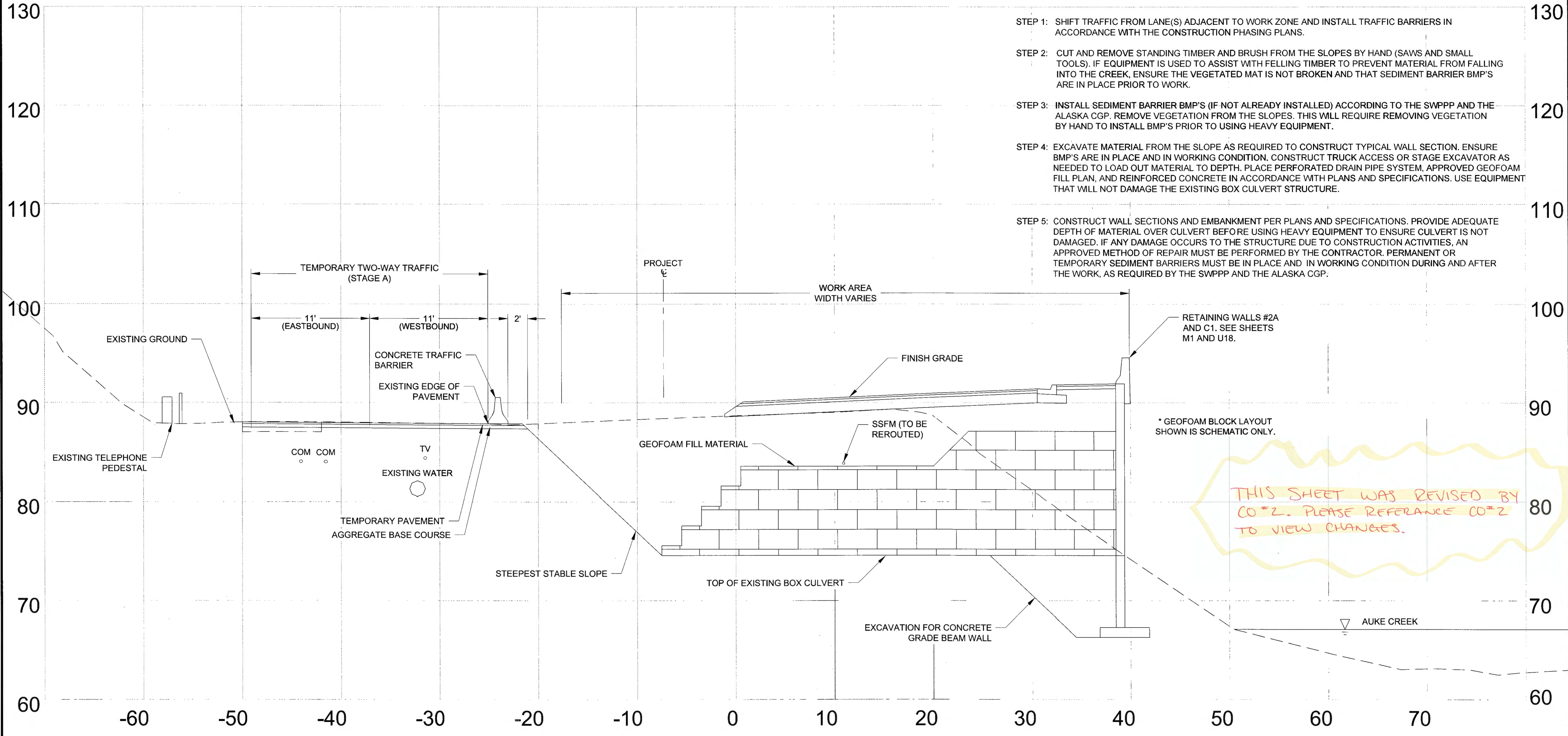
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DESIGNED BY: L. GALBRAITH DRAWN BY: B. PADDOCK		CONSTRUCTION PHASING	
Friday, September 30, 2016 1:32:18 PM TAB: S2		PROJECT DESIGNATION 0933039/Z684710000	YEAR 2016
SHEET NO. S2	TOTAL SHEETS 145		

PATH: U:\2047001\5A\DWGS\C\SHETS\1289400_S1-S7.DWG

CONSTRUCTION SEQUENCE AT BOX CULVERT

- STEP 1: SHIFT TRAFFIC FROM LANE(S) ADJACENT TO WORK ZONE AND INSTALL TRAFFIC BARRIERS IN ACCORDANCE WITH THE CONSTRUCTION PHASING PLANS.
- STEP 2: CUT AND REMOVE STANDING TIMBER AND BRUSH FROM THE SLOPES BY HAND (SAWS AND SMALL TOOLS). IF EQUIPMENT IS USED TO ASSIST WITH FELLING TIMBER TO PREVENT MATERIAL FROM FALLING INTO THE CREEK, ENSURE THE VEGETATED MAT IS NOT BROKEN AND THAT SEDIMENT BARRIER BMP'S ARE IN PLACE PRIOR TO WORK.
- STEP 3: INSTALL SEDIMENT BARRIER BMP'S (IF NOT ALREADY INSTALLED) ACCORDING TO THE SWPPP AND THE ALASKA CGP. REMOVE VEGETATION FROM THE SLOPES. THIS WILL REQUIRE REMOVING VEGETATION BY HAND TO INSTALL BMP'S PRIOR TO USING HEAVY EQUIPMENT.
- STEP 4: EXCAVATE MATERIAL FROM THE SLOPE AS REQUIRED TO CONSTRUCT TYPICAL WALL SECTION. ENSURE BMP'S ARE IN PLACE AND IN WORKING CONDITION. CONSTRUCT TRUCK ACCESS OR STAGE EXCAVATOR AS NEEDED TO LOAD OUT MATERIAL TO DEPTH. PLACE PERFORATED DRAIN PIPE SYSTEM, APPROVED GEOFOAM FILL PLAN, AND REINFORCED CONCRETE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS. USE EQUIPMENT THAT WILL NOT DAMAGE THE EXISTING BOX CULVERT STRUCTURE.
- STEP 5: CONSTRUCT WALL SECTIONS AND EMBANKMENT PER PLANS AND SPECIFICATIONS. PROVIDE ADEQUATE DEPTH OF MATERIAL OVER CULVERT BEFORE USING HEAVY EQUIPMENT TO ENSURE CULVERT IS NOT DAMAGED. IF ANY DAMAGE OCCURS TO THE STRUCTURE DUE TO CONSTRUCTION ACTIVITIES, AN APPROVED METHOD OF REPAIR MUST BE PERFORMED BY THE CONTRACTOR. PERMANENT OR TEMPORARY SEDIMENT BARRIERS MUST BE IN PLACE AND IN WORKING CONDITION DURING AND AFTER THE WORK, AS REQUIRED BY THE SWPPP AND THE ALASKA CGP.



NOTES:

1. PLACE AGGREGATE BASE COURSE AND TEMPORARY PAVEMENT TO WIDEN LEFT (SOUTH) SIDE OF SHOULDER AS NECESSARY TO PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION.
2. CONSTRUCT GRADE BEAM AT NORTH END OF BOX CULVERT, DRAINAGE SYSTEM, INITIAL LAYOUT OF GEOFOAM, AND MSE WALLS.
3. PROVIDE TEMPORARY TRAFFIC MARKINGS.
4. PROVIDE CONCRETE BARRIERS ON EDGE OF WORK AREA AS REQUIRED.
5. REMOVE EXISTING LIGHT POLES ON LEFT SIDE OF ROAD TO ACCOMMODATE TRAFFIC AND PROVIDE TEMPORARY LIGHTING.

PHASE 4 - RETAINING WALL #2 CONSTRUCTION

GLACIER HIGHWAY
STA. 88+75, RT TO STA. 89+20, RT

6. BRING GEOFOAM TO FULL DESIGN ELEVATION ON NORTH SIDE
7. TEMPORARILY REROUTE SANITARY SEWER FORCE MAIN AS NECESSARY DURING CONSTRUCTION.
8. CONSTRUCT RETAINING WALL.
9. CONSTRUCT ROADWAY PER TYPICAL SECTION.
10. PROVIDE TEMPORARY TRAFFIC MARKINGS.
11. ROUTE TRAFFIC ONTO NEW DRIVING SURFACE WHEN APPROVED.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE: JB Date: 1/6/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

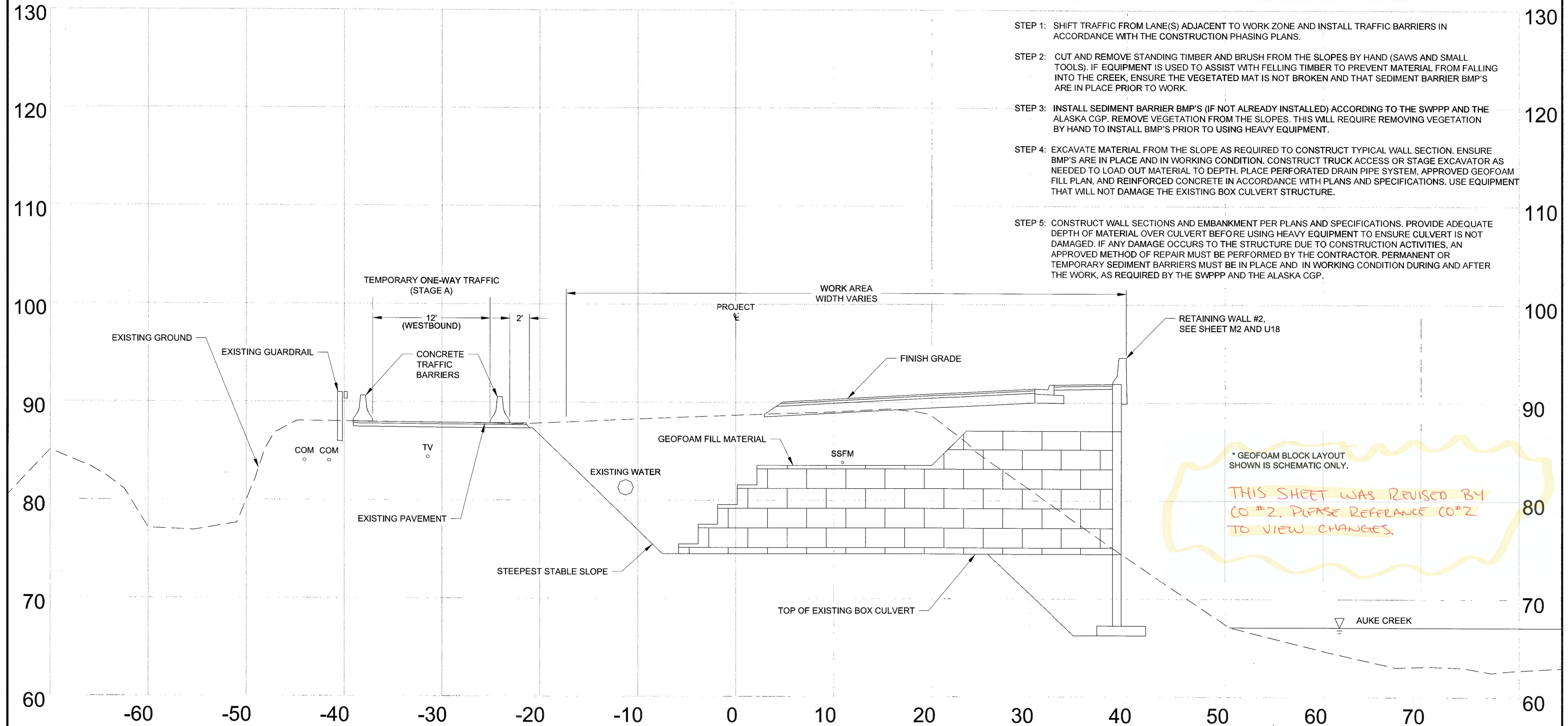
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION		
	GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE		
	CONSTRUCTION PHASING		
DESIGNED BY: L. GALBRAITH	Friday, September 30, 2016 1:32:28 PM		
DRAWN BY: B. PADDOCK	TAB: S3		
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			S3
		0933039/Z684710000	145

P:ATH: U:\2014\700154\DWG\CS\SHSHEETS\1269400_S1-S7.DWG

CONSTRUCTION SEQUENCE AT BOX CULVERT

- STEP 1: SHIFT TRAFFIC FROM LANE(S) ADJACENT TO WORK ZONE AND INSTALL TRAFFIC BARRIERS IN ACCORDANCE WITH THE CONSTRUCTION PHASING PLANS.
- STEP 2: CUT AND REMOVE STANDING TIMBER AND BRUSH FROM THE SLOPES BY HAND (SAWS AND SMALL TOOLS). IF EQUIPMENT IS USED TO ASSIST WITH FELLING TIMBER TO PREVENT MATERIAL FROM FALLING INTO THE CREEK, ENSURE THE VEGETATED MAT IS NOT BROKEN AND THAT SEDIMENT BARRIER BMP'S ARE IN PLACE PRIOR TO WORK.
- STEP 3: INSTALL SEDIMENT BARRIER BMP'S (IF NOT ALREADY INSTALLED) ACCORDING TO THE SWPPP AND THE ALASKA CGP. REMOVE VEGETATION FROM THE SLOPES. THIS WILL REQUIRE REMOVING VEGETATION BY HAND TO INSTALL BMP'S PRIOR TO USING HEAVY EQUIPMENT.
- STEP 4: EXCAVATE MATERIAL FROM THE SLOPE AS REQUIRED TO CONSTRUCT TYPICAL WALL SECTION. ENSURE BMP'S ARE IN PLACE AND IN WORKING CONDITION. CONSTRUCT TRUCK ACCESS OR STAGE EXCAVATOR AS NEEDED TO LOAD OUT MATERIAL TO DEPTH. PLACE PERFORATED DRAIN PIPE SYSTEM, APPROVED GEOFOAM FILL PLAN, AND REINFORCED CONCRETE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS. USE EQUIPMENT THAT WILL NOT DAMAGE THE EXISTING BOX CULVERT STRUCTURE.
- STEP 5: CONSTRUCT WALL SECTIONS AND EMBANKMENT PER PLANS AND SPECIFICATIONS. PROVIDE ADEQUATE DEPTH OF MATERIAL OVER CULVERT BEFORE USING HEAVY EQUIPMENT TO ENSURE CULVERT IS NOT DAMAGED. IF ANY DAMAGE OCCURS TO THE STRUCTURE DUE TO CONSTRUCTION ACTIVITIES, AN APPROVED METHOD OF REPAIR MUST BE PERFORMED BY THE CONTRACTOR. PERMANENT OR TEMPORARY SEDIMENT BARRIERS MUST BE IN PLACE AND IN WORKING CONDITION DURING AND AFTER THE WORK, AS REQUIRED BY THE SWPPP AND THE ALASKA CGP.



* GEOFOAM BLOCK LAYOUT SHOWN IS SCHEMATIC ONLY.

THIS SHEET WAS REVISED BY CO #2. PLEASE REFERENCE CO#2 TO VIEW CHANGES.

PHASE 4 - RETAINING WALL #2 CONSTRUCTION

GLACIER HIGHWAY
STA. 89+20, RT TO STA. 89+60, RT

NOTES:

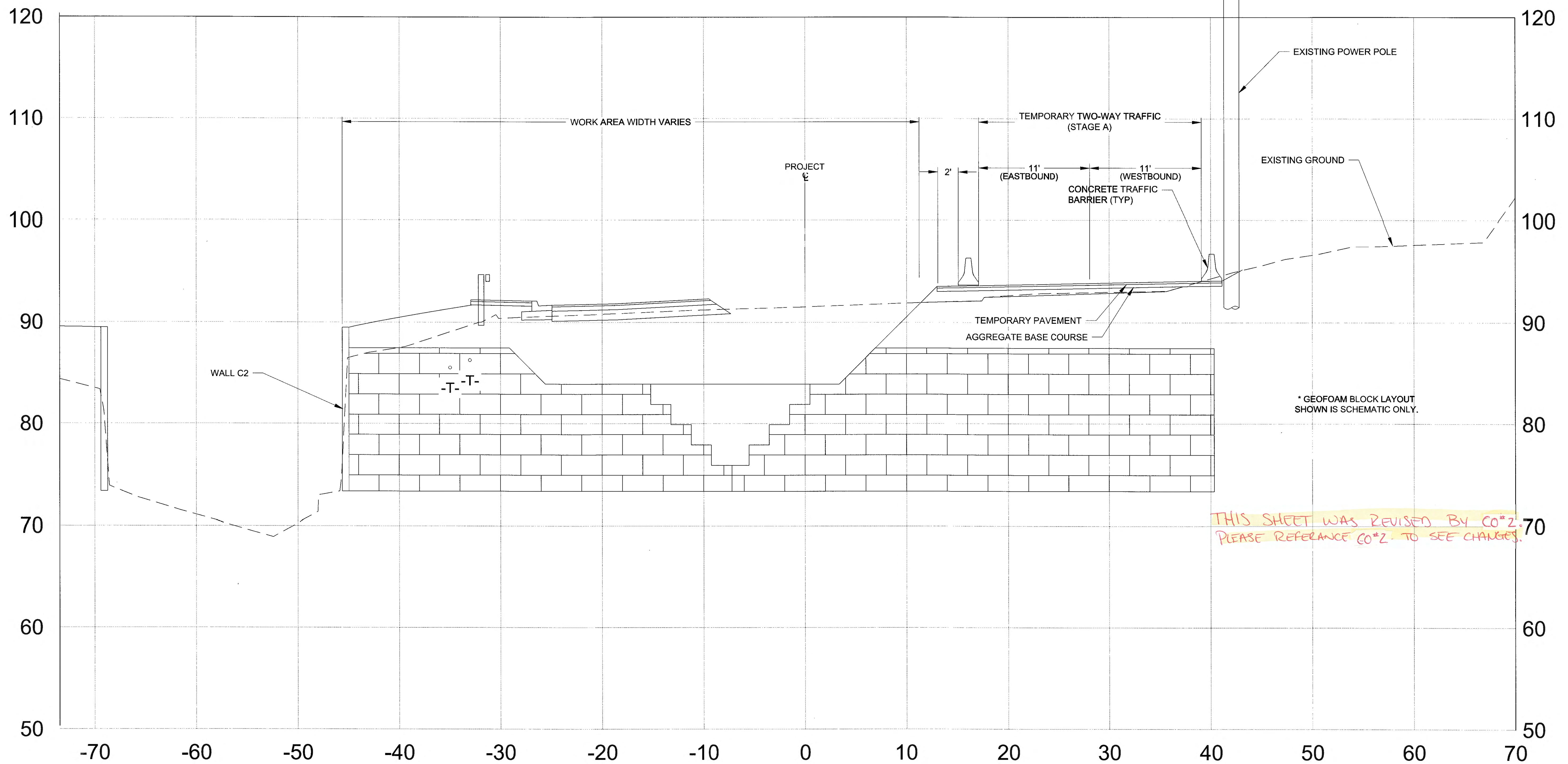
- PLACE AGGREGATE BASE COURSE AND TEMPORARY PAVEMENT TO WIDEN LEFT SIDE OF SHOULDER AS NECESSARY TO PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION.
- MAINTAIN ONE LANE OF TRAFFIC TO THE SIDE OF GLACIER HIGHWAY WHILE MAXIMIZING EXCAVATION AND GEOFOAM INSTALLATION. MINIMIZE DURATION OF ONE-LANE TRAFFIC.
- INSTALL VALVES, SHUT OFF AND REMOVE WATER LINE WITHIN THE LIMITS OF EXCAVATION (SEE SHT F2.)
- PROVIDE TEMPORARY TRAFFIC MARKINGS.
- PROVIDE CONCRETE BARRIERS ON EDGE OF WORK AREA AS REQUIRED.
- REMOVE EXISTING LIGHT POLES ON LEFT SIDE OF ROAD.
- TEMPORARILY RELOCATE SANITARY SEWER FORCE MAIN DURING CONSTRUCTION.
- CONSTRUCT RETAINING WALL.
- CONSTRUCT ROADWAY PER TYPICAL SECTION.
- PROVIDE TEMPORARY TRAFFIC MARKINGS.
- ROUTE TRAFFIC ONTO NEW DRIVING SURFACE WHEN APPROVED.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE TB Date 1/6/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION	
DESIGNED BY: L. GALBRAITH		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DRAWN BY: B. PADDOCK		CONSTRUCTION PHASING	
Friday, September 30, 2016 1:32:38 PM		PROJECT DESIGNATION	
TAB: S4		YEAR	
REVISIONS		SHEET NO.	
NO.	DATE	DESCRIPTION	TOTAL SHEETS
			145
		0933039/Z684710000	2016



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PHASE 4 - RETAINING WALL #2 CONSTRUCTION

GLACIER HIGHWAY
STA. 89+60, LT TO STA. 90+40, LT

NOTES:

- PLACE AGGREGATE BASE COURSE AND TEMPORARY PAVEMENT TO WIDEN RIGHT SIDE OF SHOULDER AS NECESSARY TO PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION.
- PROVIDE TEMPORARY TRAFFIC MARKINGS.
- PROVIDE CONCRETE BARRIERS ON EDGE OF WORK AREA AS REQUIRED.
- NEW ACS DIGITAL LOOP CONVERTER MUST BE OPERATIONAL PRIOR TO EXCAVATION AND REMOVAL OF EXISTING PHONE CABLES.
- SHIFT TRAFFIC TO NORTH SIDE WHILE COMPLETING REMAINING EXCAVATION, RETAINING WALLS AND GEOFOAM.
- UTILIZE NIGHT TIME CLOSURE TO RE-INSTALL WATER LINE.
- TEMPORARILY REROUTE SANITARY SEWER FORCE MAIN DURING CONSTRUCTION.
- CONSTRUCT RETAINING WALL.
- CONSTRUCT ROADWAY PER TYPICAL SECTION.
- PROVIDE TEMPORARY TRAFFIC MARKINGS.
- ROUTE TRAFFIC ONTO NEW DRIVING SURFACE WHEN APPROVED.

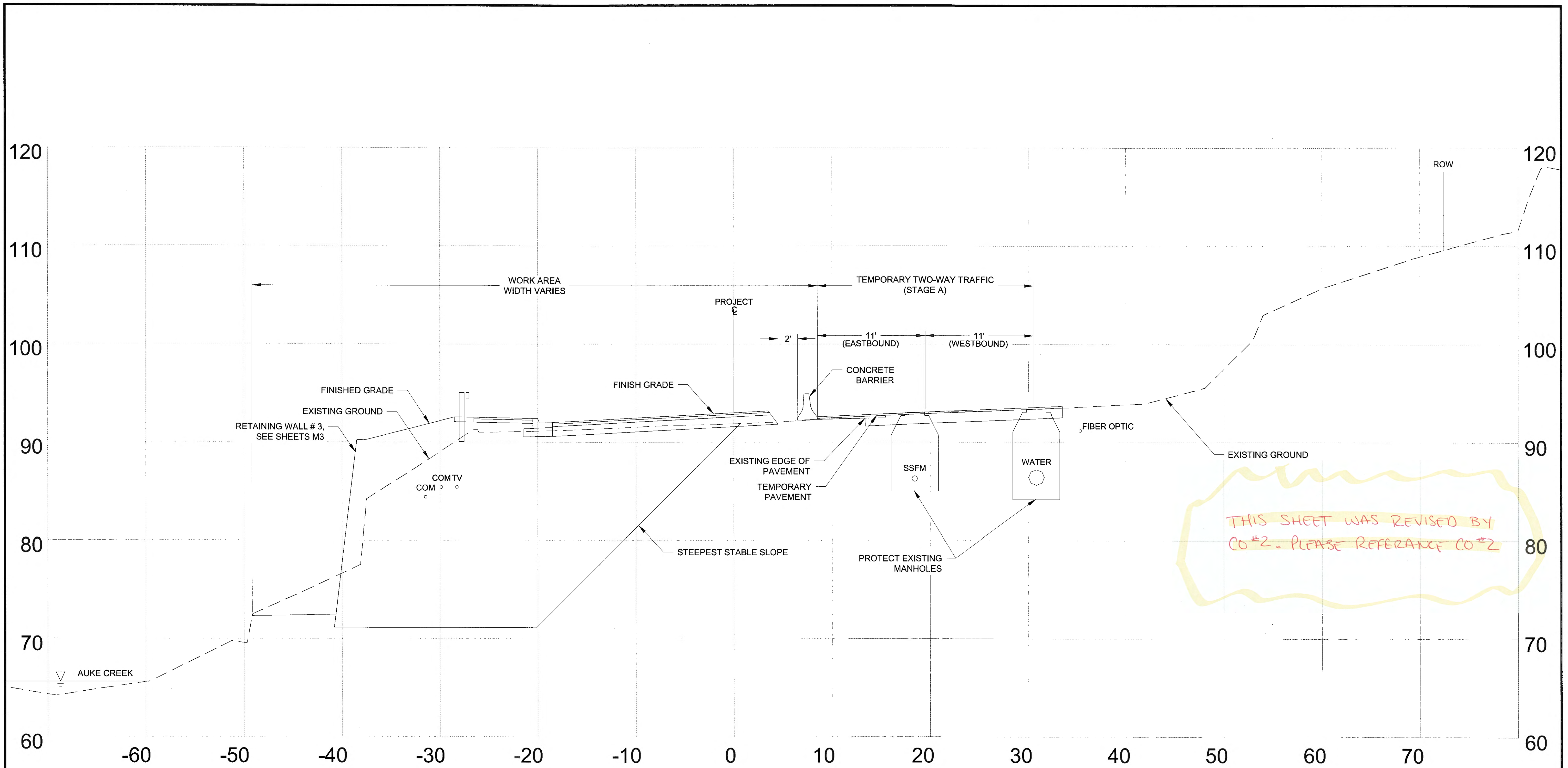
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE JB Date 1/6/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-278-4245
C.A. #126386

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CHECKED BY: S. KARI		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION																		
		GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE																		
DESIGNED BY: L. GALBRAITH		CONSTRUCTION PHASING																		
DRAWN BY: B. PADDOCK																				
Friday, September 30, 2016 1:32:48 PM																				
TAB: S5																				
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REVISIONS																				
NO.	DATE	DESCRIPTION																		
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																	
0933039/Z684710000	2016	S5	145																	

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PHASE 5 - RETAINING WALL #3 CONSTRUCTION

GLACIER HIGHWAY
STA. 90+16.79, LT TO STA. 91+43.23, LT

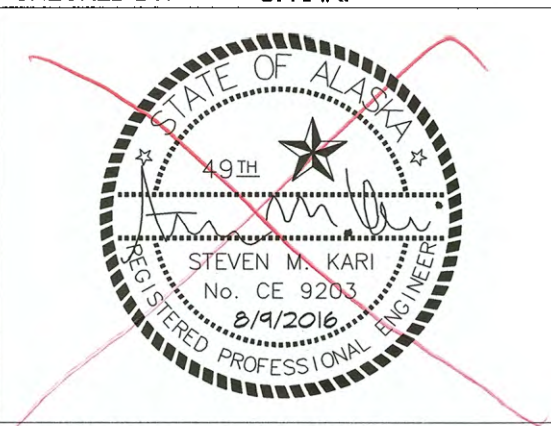
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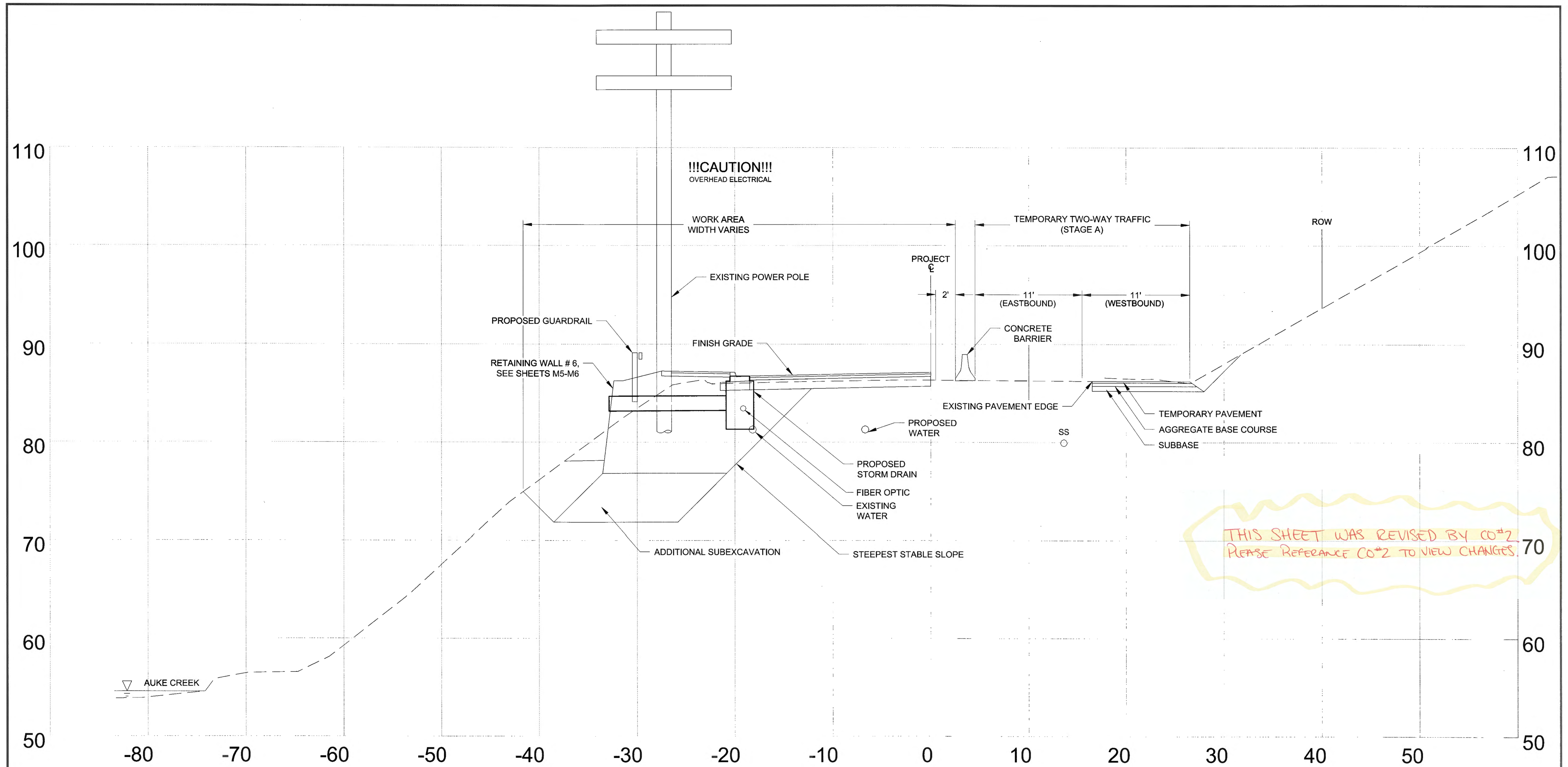
1. CONSTRUCT RIGHT SHOULDER SIMILAR TO PHASE 1 ON SHEET S1.
2. CONSTRUCT TEMPORARY DRIVING SURFACE TO MATCH MANHOLES OR ADJUST AS NEEDED.
3. PROVIDE TEMPORARY TRAFFIC MARKINGS.
4. PROVIDE CONCRETE BARRIERS ON EDGE OF WORK AREA AS REQUIRED.
5. EXCAVATE AS REQUIRED FOR RETAINING WALL.
6. RELOCATE EXISTING UTILITIES IN EXCAVATION.
7. CONSTRUCT RETAINING WALL AND BACKFILL ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
8. CONSTRUCT ROADWAY PER TYPICAL SECTION.
9. PROVIDE TEMPORARY TRAFFIC MARKINGS ON LEFT SIDE OF ROADWAY.
10. ROUTE TRAFFIC ONTO NEW DRIVING SURFACE WHEN APPROVED.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE TB Date 1/6/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DESIGNED BY: L. GALBRAITH DRAWN BY: B. PADDOCK		CONSTRUCTION PHASING	
Friday, September 30, 2016 1:32:58 PM TAB: S6		PROJECT DESIGNATION 0933039/Z684710000	YEAR 2016
REVISIONS NO. DATE DESCRIPTION		SHEET NO. S6	TOTAL SHEETS 145



NOTES:

1. CONSTRUCT RIGHT SHOULDER TO MATCH EXISTING GRADE, PLACE SUBBASE, BASE COURSE, AND TEMPORARY PAVEMENT TO PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION.
2. PROVIDE TEMPORARY TRAFFIC MARKINGS.
3. PROVIDE CONCRETE BARRIERS ON EDGE OF WORK AREA AS REQUIRED.
4. EXCAVATE AND INSTALL NEW WATER LINE. CONNECT TO EXISTING.
5. EXCAVATE AS REQUIRED FOR RETAINING WALL.
6. EXISTING POWER POLE WILL BE RELOCATED BY UTILITY OWNER, OR SUPPORTED DURING CONSTRUCTION. COORDINATE WITH UTILITY OWNER AS REQUIRED AND AS DIRECTED.
7. REMOVE EXISTING WATER LINE.
8. CONSTRUCT RETAINING WALL AND BACKFILL PER MANUFACTURERS RECOMMENDATIONS.
9. CONSTRUCT NEW STORM DRAIN SYSTEM.
10. CONSTRUCT LEFT ROADWAY ACCORDING TO TYPICAL SECTION AND TO ALLOW ONE LANE OF TRAFFIC IN EACH DIRECTION.
11. PROVIDE TEMPORARY TRAFFIC MARKINGS.
12. ROUTE TRAFFIC ONTO NEW DRIVING SURFACE WHEN APPROVED.


PHASE 6 - RETAINING WALL #6 CONSTRUCTION

GLACIER HIGHWAY
STA. 93+89, LT TO STA. 95+00, LT

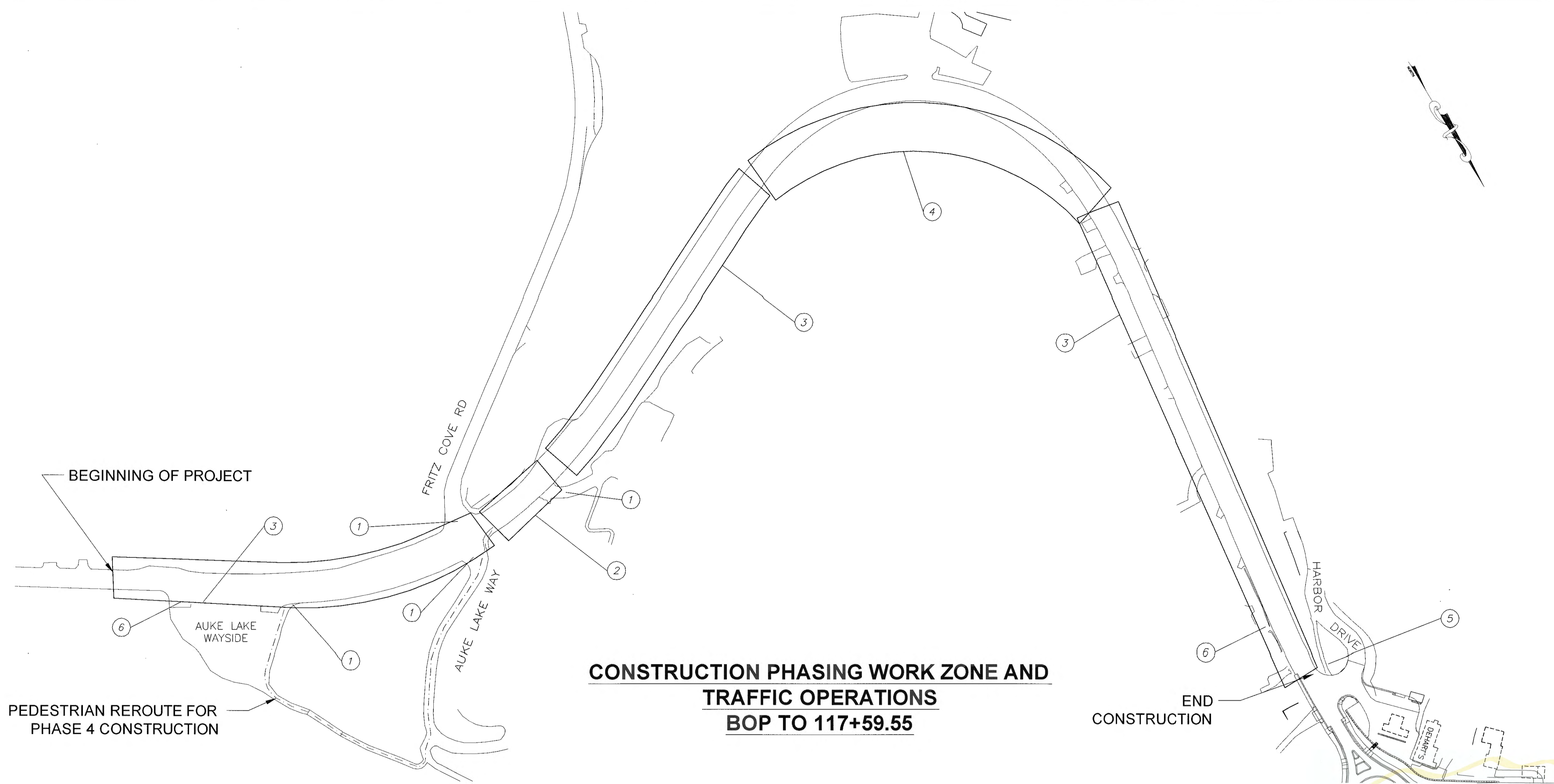
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *JB* Date 1/6/2020

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

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CHECKED BY: S. KARI 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHWEST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE	
DESIGNED BY: L. GALBRAITH DRAWN BY: B. PADDOCK		CONSTRUCTION PHASING	
Friday, September 30, 2016 1:33:08 PM TAB: S7		PROJECT DESIGNATION 0933039/Z684710000	YEAR 2016
NO.	DATE	REVISIONS DESCRIPTION	SHEET NO. S7
			TOTAL SHEETS 145

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**CONSTRUCTION PHASING WORK ZONE AND
TRAFFIC OPERATIONS
BOP TO 117+59.55**

THIS SHEET WAS REVISED BY CO#2.
PLEASE REFERENCE CO#2 TO VIEW CHANGES.

CONSTRUCTION PHASING NOTES - SOUTH SEGMENT

- ① DURING INTERSECTION CONSTRUCTION MAINTAIN TRAFFIC ON A SINGLE LANE IN EACH DIRECTION ON GLACIER HIGHWAY. ON SIDE STREETS MAINTAIN TRAFFIC ON A SINGLE LANE IN EACH DIRECTION WHEN POSSIBLE. WHEN LANE CLOSURES ARE ALLOWED, PROVIDE TRAFFIC CONTROL AND FLAGGING AT ALL TIMES THAT LANE CLOSURES ARE IN PLACE. DURING PHASE 4 CONSTRUCTION, REROUTE PEDESTRIAN TRAFFIC AS SHOWN ABOVE.
- ② PHASE 1 RIGHT SHOULDER WIDENING: REROUTE PEDESTRIAN ACCESS AND PROVIDE NOTIFICATION OF DETOUR ROUTING.
PHASE 2 LEFT ROADWAY RECONSTRUCTION: MAINTAIN PEDESTRIAN ACCESS ON THE CONSTRUCTED SIDEWALK SUBGRADE. PROVIDE DELINEATION AND/OR BARRIERS BETWEEN PEDESTRIAN ACCESS AND TRAFFIC LANES.
PHASE 3 RIGHT ROADWAY RECONSTRUCTION: MAINTAIN PEDESTRIAN ACCESS ON THE CONSTRUCTED SIDEWALK ON THE LEFT SIDE OF THE ROADWAY.
- ③ PHASE 1 RIGHT SHOULDER WIDENING: ROUTE PEDESTRIAN ACCESS TO THE OPPOSITE SIDE OF THE ROADWAY.
PHASE 2 LEFT ROADWAY RECONSTRUCTION: MAINTAIN PEDESTRIAN ACCESS ON THE CONSTRUCTED SIDEWALK SUBGRADE.
PHASE 3 RIGHT ROADWAY RECONSTRUCTION: MAINTAIN PEDESTRIAN ACCESS ON THE CONSTRUCTED SIDEWALK ON THE LEFT SIDE OF THE ROADWAY.
- ④ CONSTRUCT IN FULL NEW ROADWAY SECTION PRIOR TO ROUTING TRAFFIC ONTO SURFACE. USE AREA TO STAGE EQUIPMENT AND MATERIALS AS NEEDED. REMOVE LEAD CONTAMINATED SOIL AFTER TRAFFIC HAS BEEN ROUTED TO NEW ROADWAY SECTION.
- ⑤ ROUTE PEDESTRIANS AROUND WORK AREA TO THE WEST DURING PATHWAY CONSTRUCTION.
- ⑥ PROVIDE TEMPORARY BUS PULLOUT.

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI

DESIGNED BY: W. WEBB
DRAWN BY: B. PADDOCK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION
**GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE**

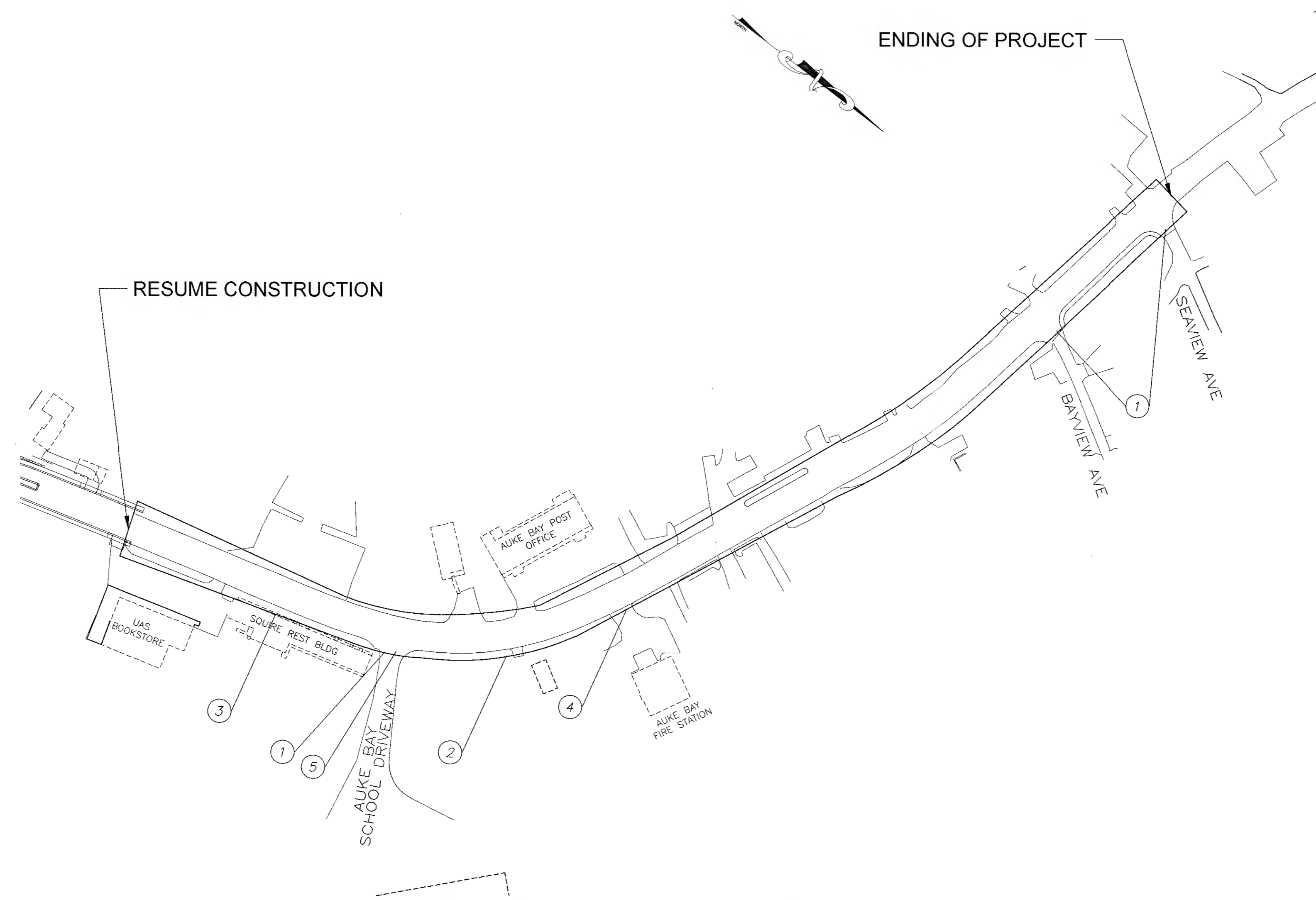
**CONSTRUCTION
PHASING**

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE TB Date 1/6/2016

Wednesday, November 16, 2016 11:43:22 AM
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REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			0933039/Z684710000	2016	S8	145

PATH: U:\20047001\4\DWG\CS\CS\1288400_S08-S08.DWG



**CONSTRUCTION PHASING WORK ZONE AND
TRAFFIC OPERATIONS
124+53.28 TO EOP**


CONSTRUCTION PHASING NOTES - NORTH SEGMENT

- ① DURING INTERSECTION CONSTRUCTION MAINTAIN TRAFFIC ON A SINGLE LANE IN EACH DIRECTION ON GLACIER HIGHWAY. ON SIDE STREETS MAINTAIN TRAFFIC ON A SINGLE LANE IN EACH DIRECTION WHEN POSSIBLE. WHEN LANE CLOSURES ARE ALLOWED, PROVIDE TRAFFIC CONTROL AND FLAGGING AT ALL TIMES THAT LANE CLOSURES ARE IN PLACE.
- ② PHASE 1 RIGHT SHOULDER WIDENING: ROUTE PEDESTRIAN TO THE OPPOSITE SIDE OF THE ROADWAY OR TO AN ALTERNATIVE ROUTE WHERE POSSIBLE. MAINTAIN PEDESTRIAN ACCESS TO BUSINESSES AT ALL TIMES.
PHASE 2 LEFT ROADWAY RECONSTRUCTION: MAINTAIN PEDESTRIAN ACCESS ON THE CONSTRUCTED SIDEWALK SUBGRADE.
PHASE 3 RIGHT ROADWAY RECONSTRUCTION: MAINTAIN PEDESTRIANS ACCESS ON THE CONSTRUCTED SIDEWALK ON THE LEFT SIDE OF THE ROADWAY.
- ③ PROVIDE DELINEATION AND/OR BARRIER BETWEEN WORK AREA AND SQUIRES REST BUILDING. DO NOT OBSTRUCT ENTRY INTO THE BUILDING AT ANY TIME.
- ④ PROVIDE FIRE TRUCK ACCESS TO AND FROM FIRE STATION AT ALL TIMES
- ⑤ COORDINATE CONSTRUCTION WORK AND CLOSURES WITH SCHOOL BUS SCHEDULE.

THIS SHEET WAS REVISED BY CO#2.
PLEASE REFERENCE CO#2 TO VIEW CHANGES.

PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
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DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: S. KARI 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION GLACIER HIGHWAY RECONSTRUCTION FRITZ COVE ROAD TO SEAVIEW AVENUE												
DESIGNED BY: W. WEBB DRAWN BY: B. PADDOCK		CONSTRUCTION PHASING												
Friday, September 30, 2016 1:33:47 PM TAB: S09														
<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS			NO.	DATE	DESCRIPTION				PROJECT DESIGNATION 0933039/Z684710000	YEAR 2016	SHEET NO. S9	TOTAL SHEETS 145
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NO.	DATE	DESCRIPTION												

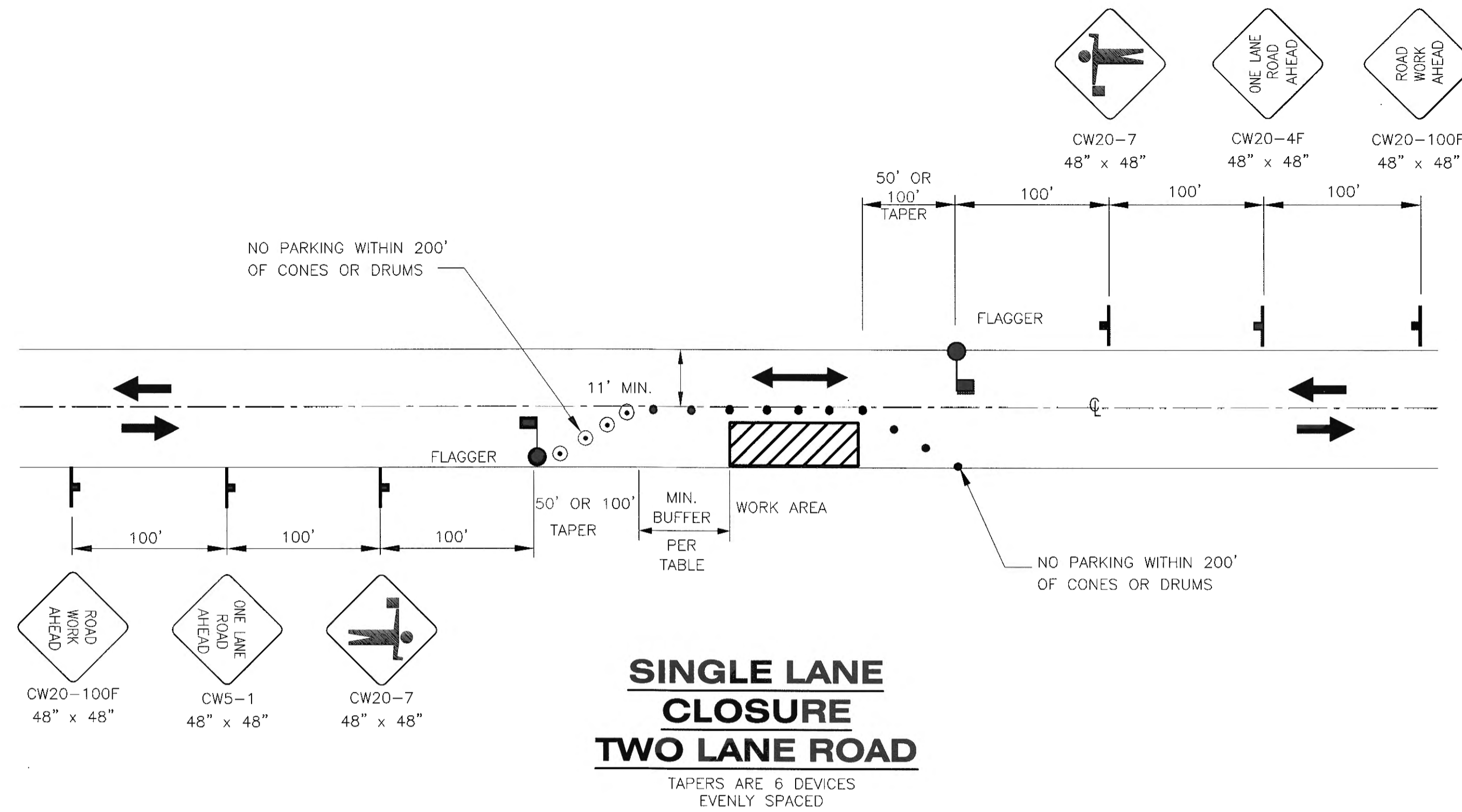
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE TB Date 1/6/2010

Legend

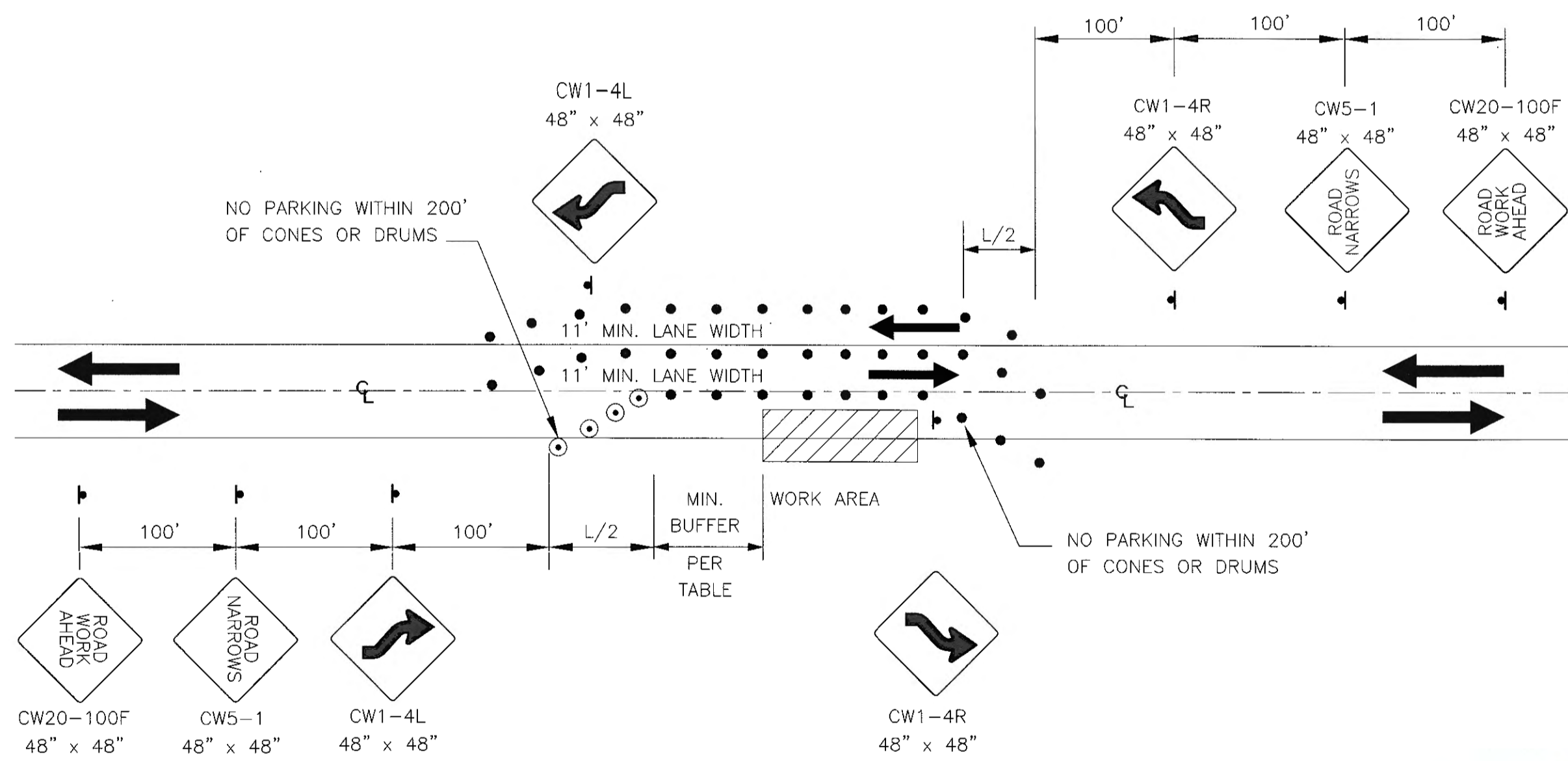
- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

FORMULAS FOR L (TAPER LENGTH)
 40 MPH OR LESS $L = \frac{W \times S^2}{60}$
 45 MPH OR GREATER $L = W \times S$
 WHERE W= WIDTH OF OFFSET
 S= POSTED SPEED LIMIT

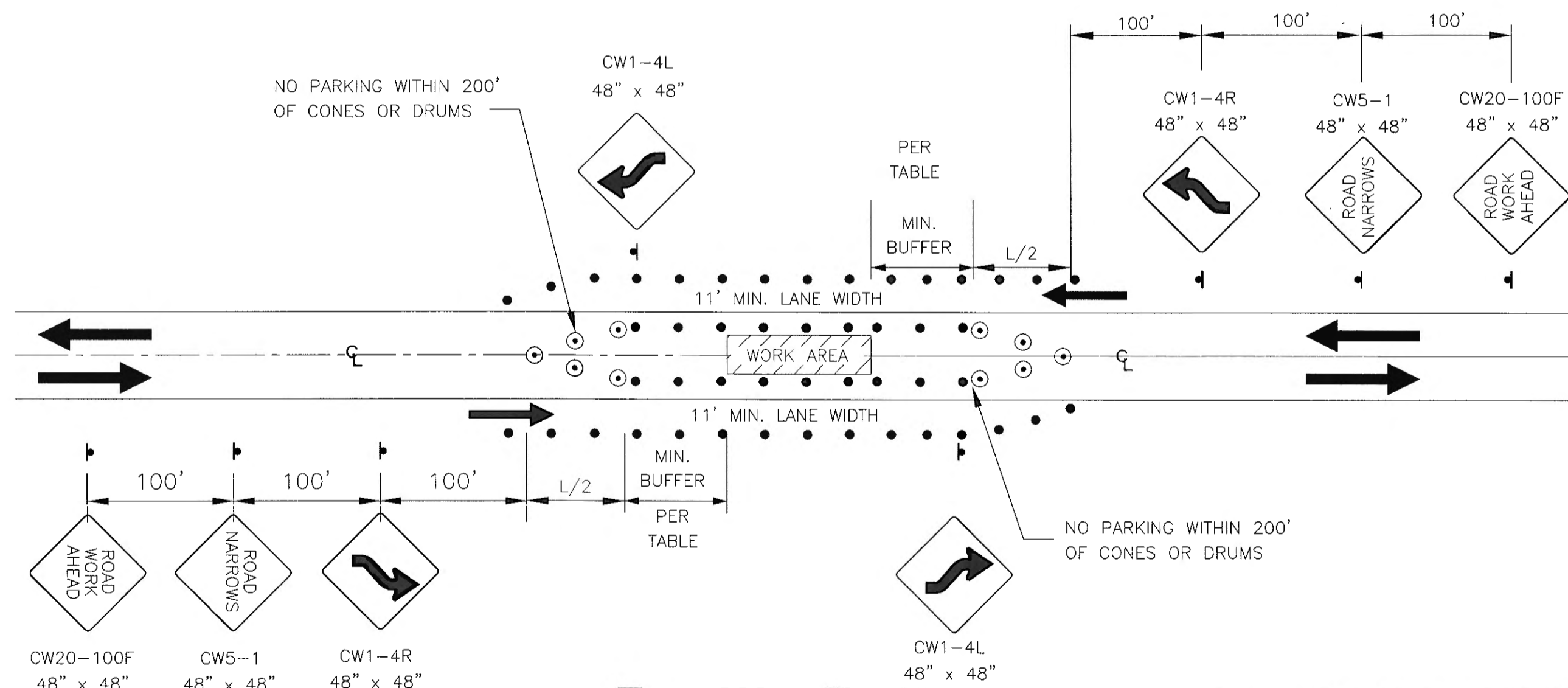
SPEED (MPH)	TCP SETUP TABLE								
	MIN MERGING TAPER LENGTH (L) IN FEET WIDTH OF OFFSET (W) IN FEET			MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET			MAX DEVICE SPACING IN FEET		BUFFER SPACE (FT)
	10'	11'	12'	10'	11'	12'	ALONG TAPER	ALONG TANGENT	
25 OR BELOW	105	115	125	6	6	6	25	50	155
30	150	165	180	6	7	7	30	60	200
35	205	225	245	7	8	8	35	70	250
40	270	295	320	8	9	9	40	80	305
45	450	495	540	11	12	13	45	90	360
50	500	550	600	11	12	13	50	100	425
55	550	605	660	11	12	13	55	110	495
60	600	660	720	11	12	13	60	120	570



SINGLE LANE CLOSURE TWO LANE ROAD
 TAPERS ARE 6 DEVICES EVENLY SPACED



Two-Way Traffic



Two-Way Traffic With Center Closure

THIS SHEET WAS REVISED BY CO#2.
 PLEASE REFERENCE CO#2 TO VIEW CHANGES.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/16/2020

PLANS DEVELOPED BY:
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 725 EAST FIREWEED LANE, SUITE 200
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 907-276-4245
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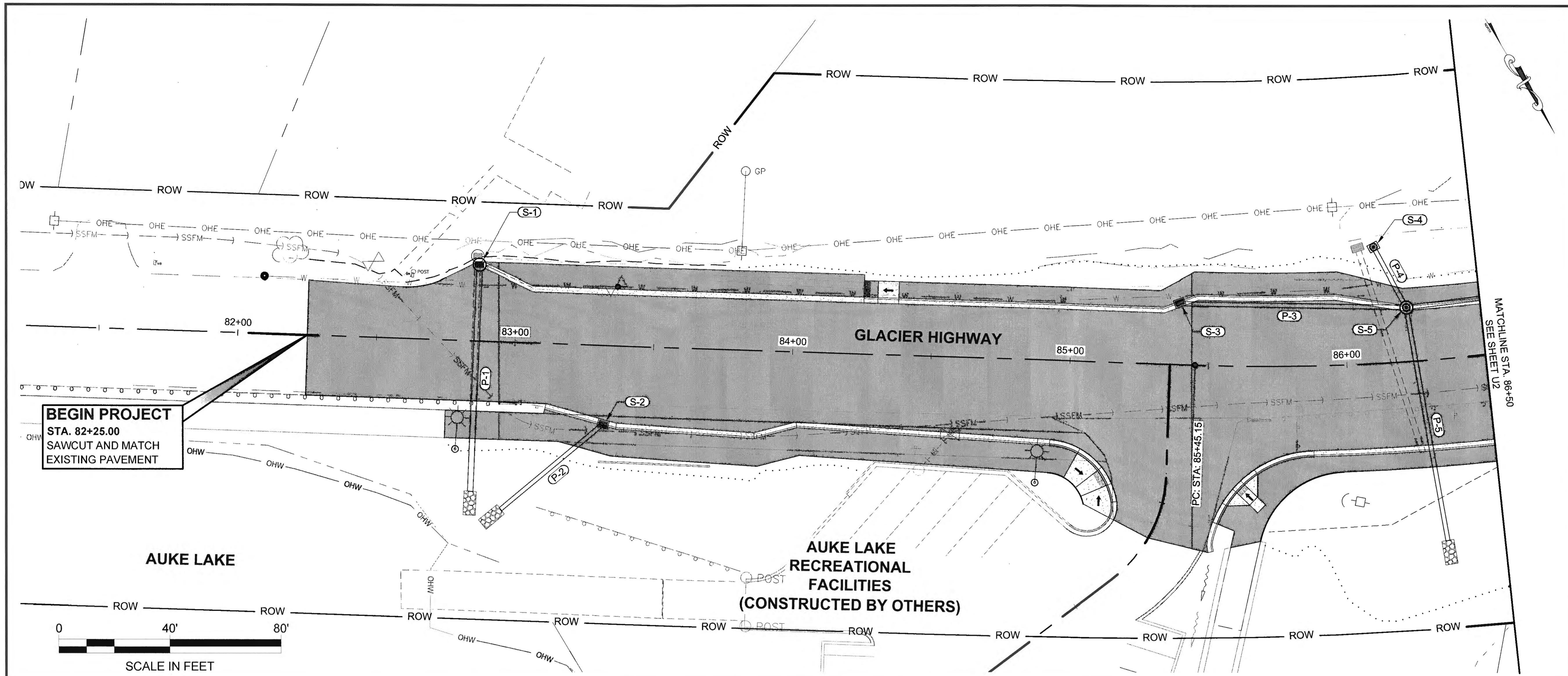
CHECKED BY: S. KARI
 DESIGNED BY: W. WEBB
 DRAWN BY: B. PADDOCK
 Thursday, November 17, 2016 6:22:50 PM
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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION
 GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

TRAFFIC CONTROL PLAN PERMANENT CONSTRUCTION SIGNS

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			0933039/Z684710000	2016	T2	145

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PLANS DEVELOPED BY:
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 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

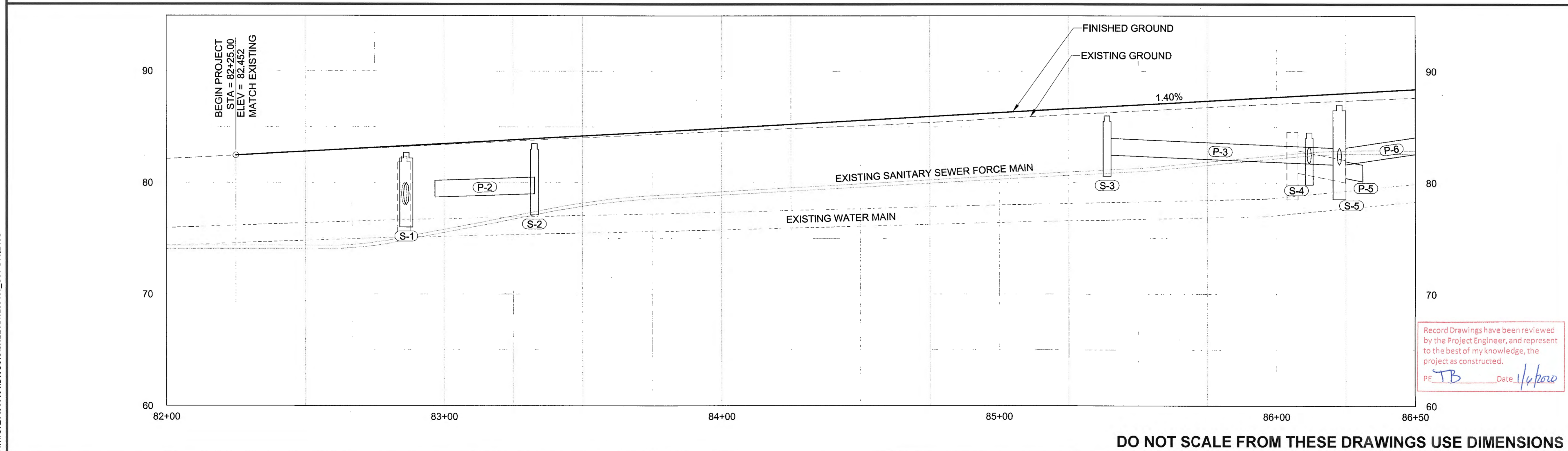
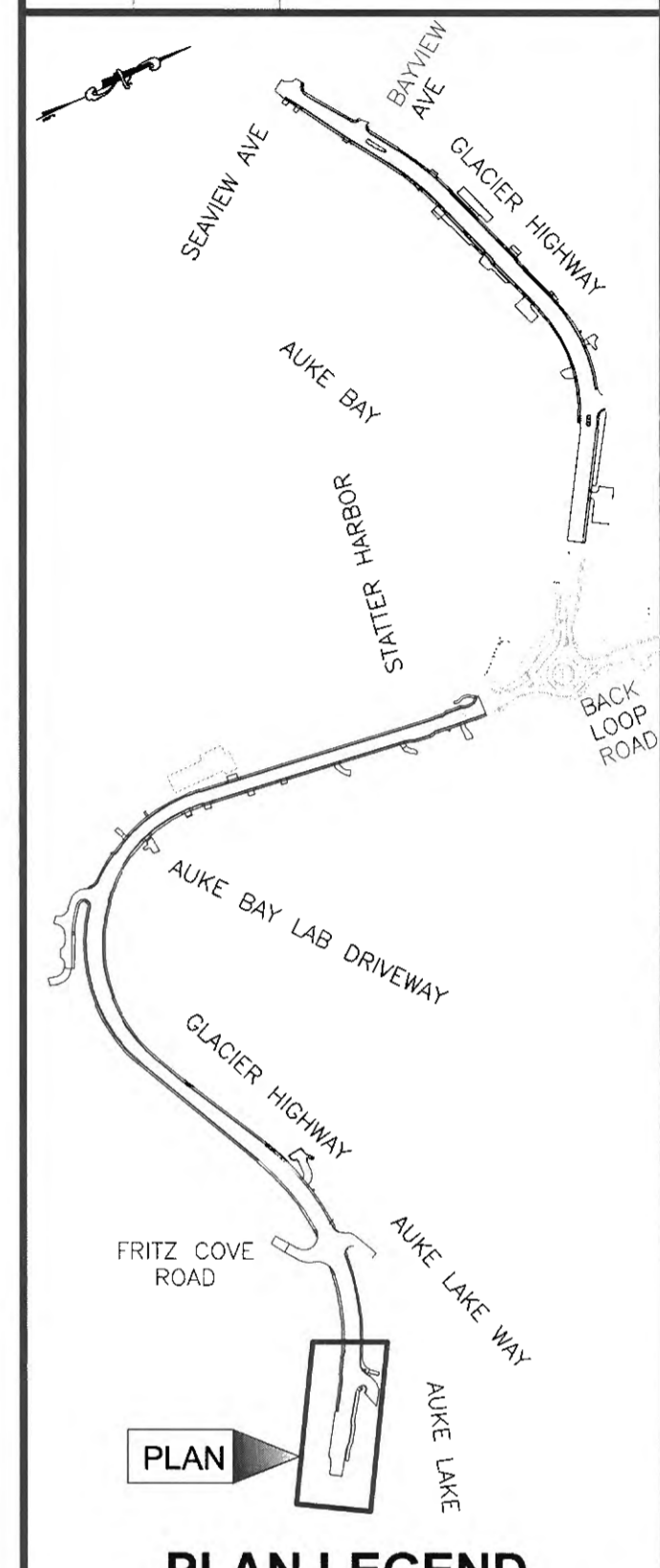
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



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DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

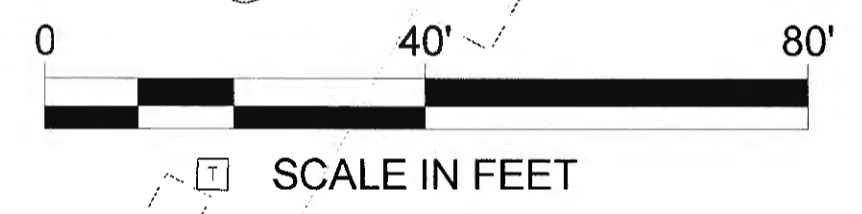
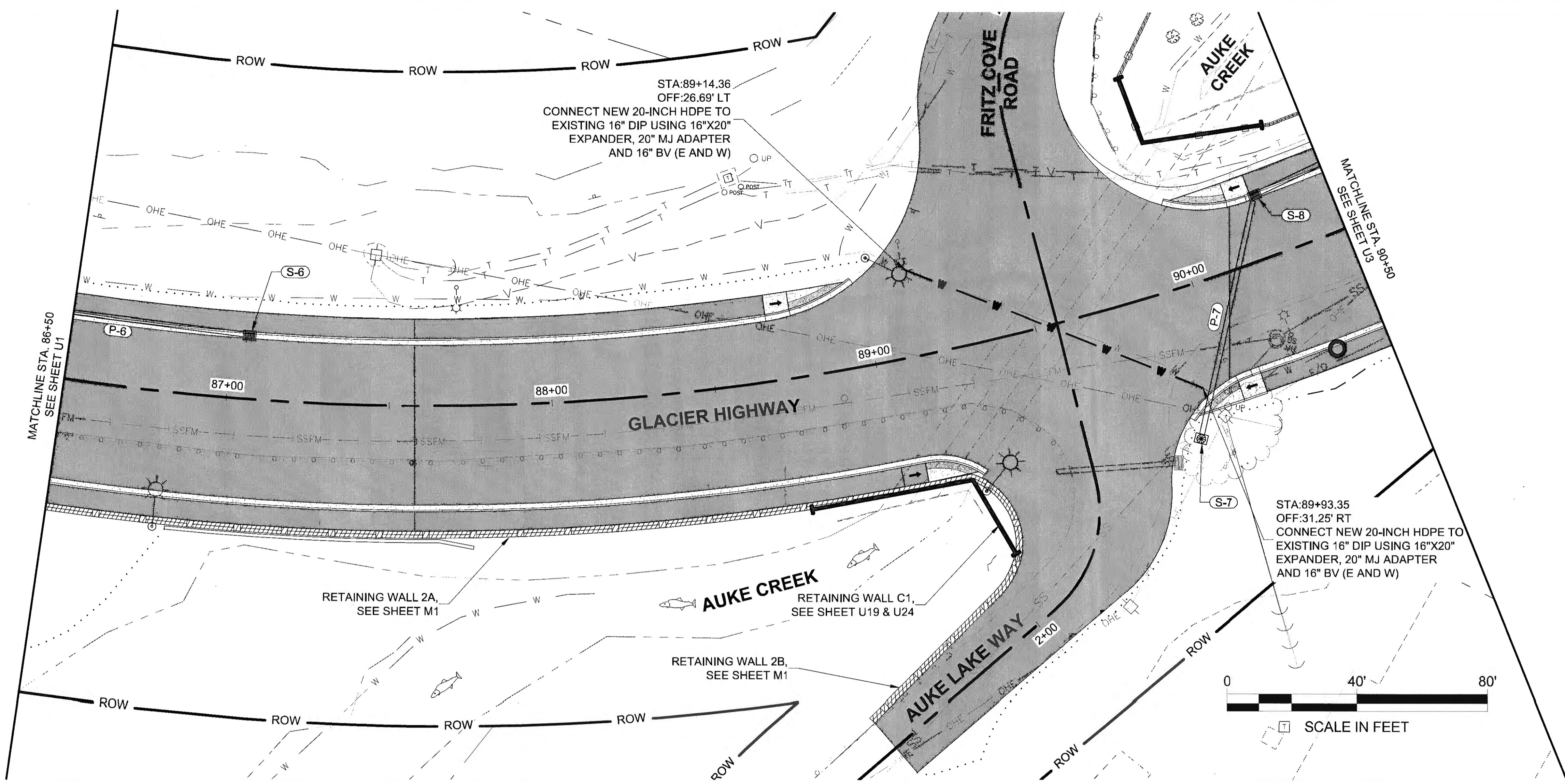
**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**STORM DRAIN
 PLAN & PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U1	145

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725 EAST FIREWEED LANE, SUITE 200
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C.A. #126386

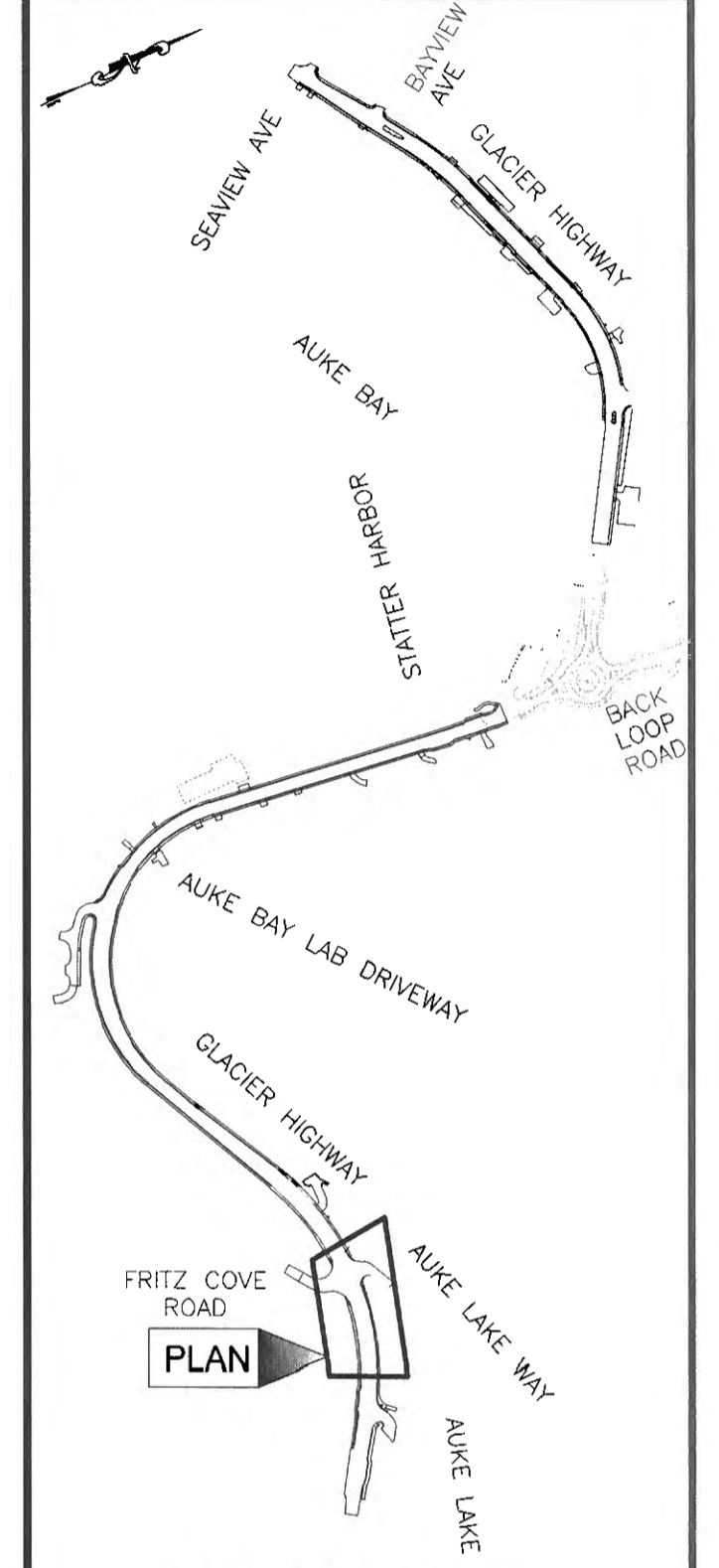
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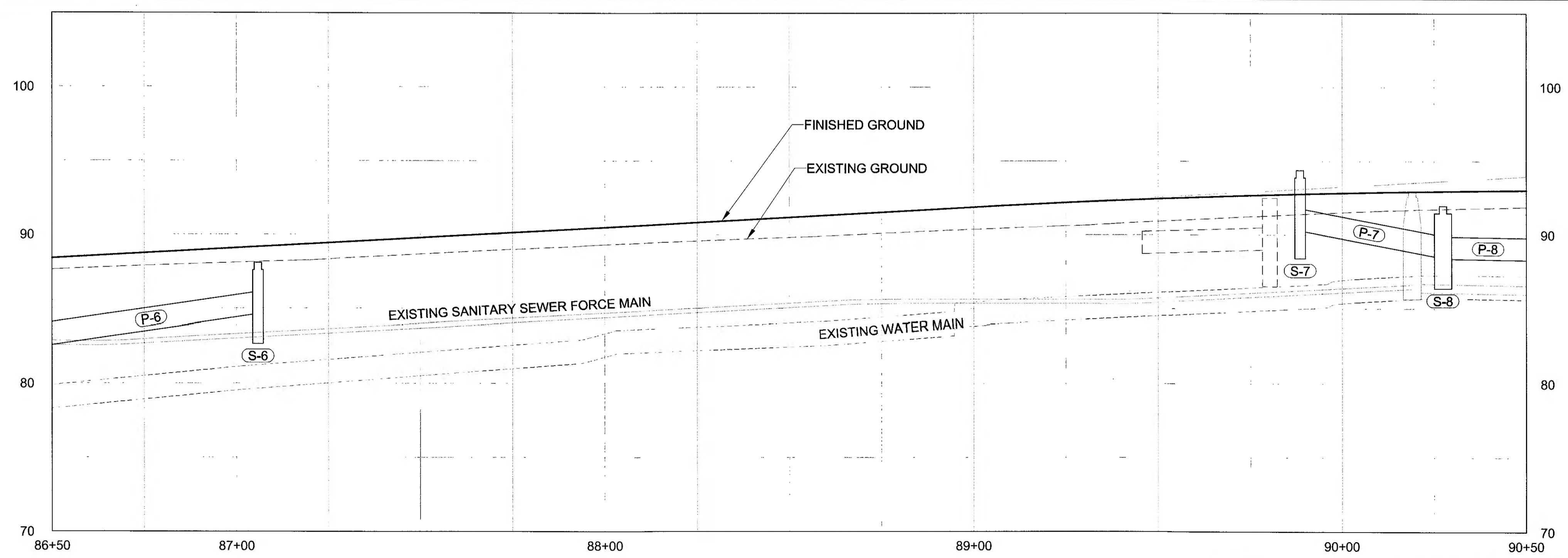
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE TB Date 1/6/2020

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK

DRAWN BY: B. PADDOCK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION

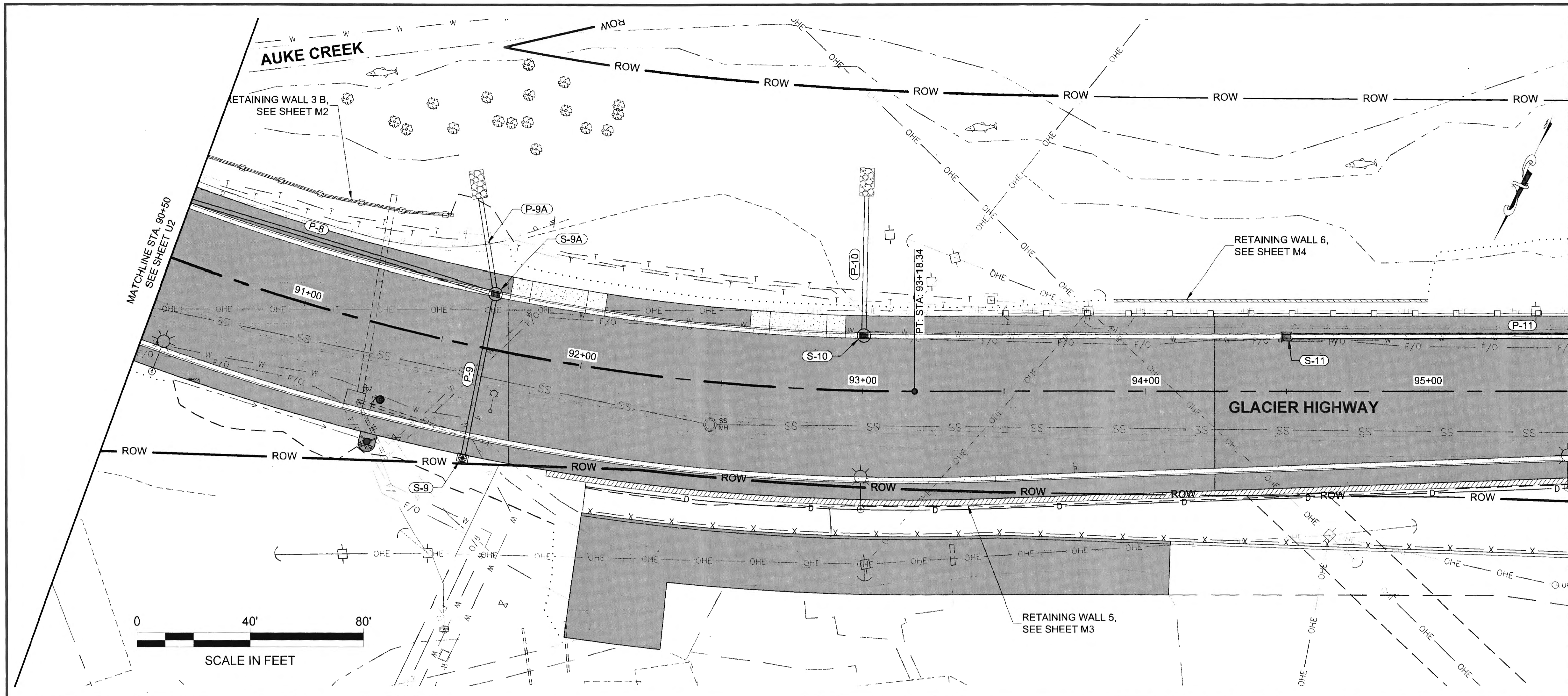
**GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE**

STORM DRAIN PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U2	145

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PLANS DEVELOPED BY:
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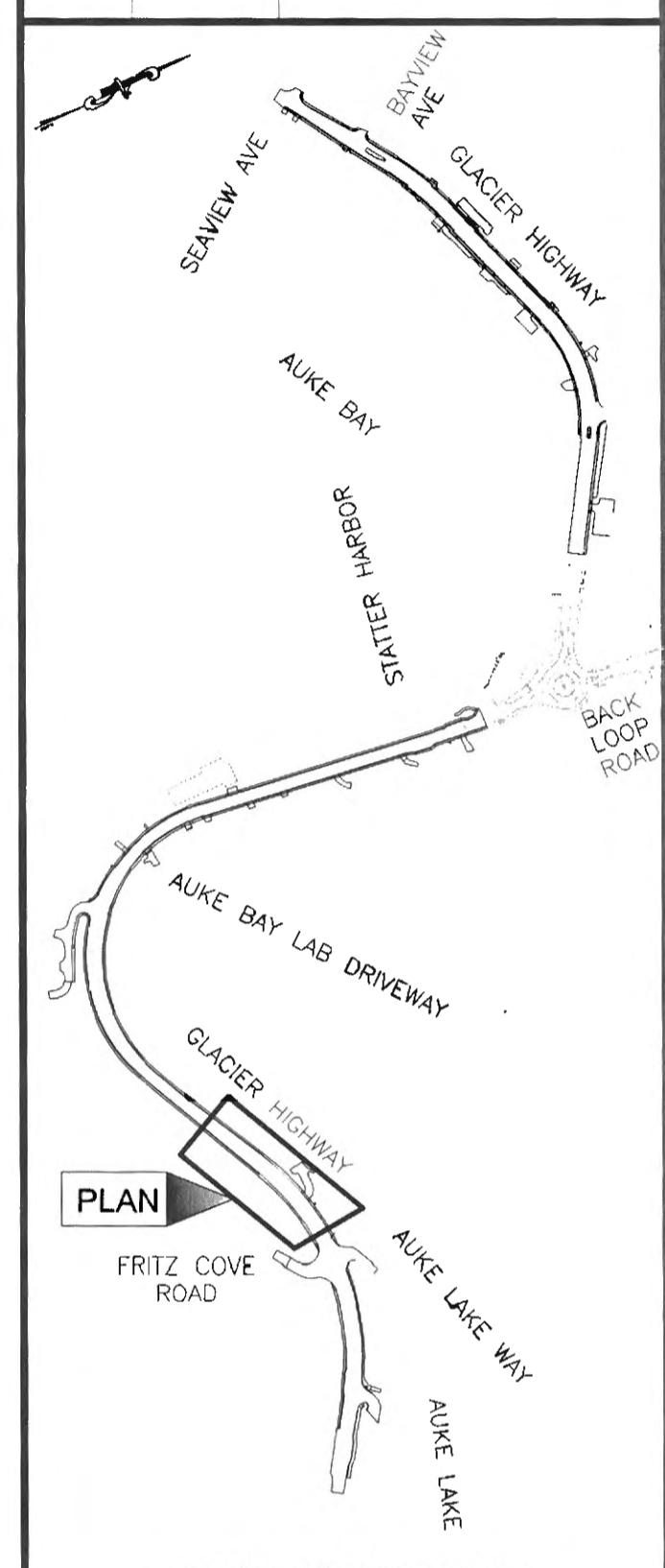
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

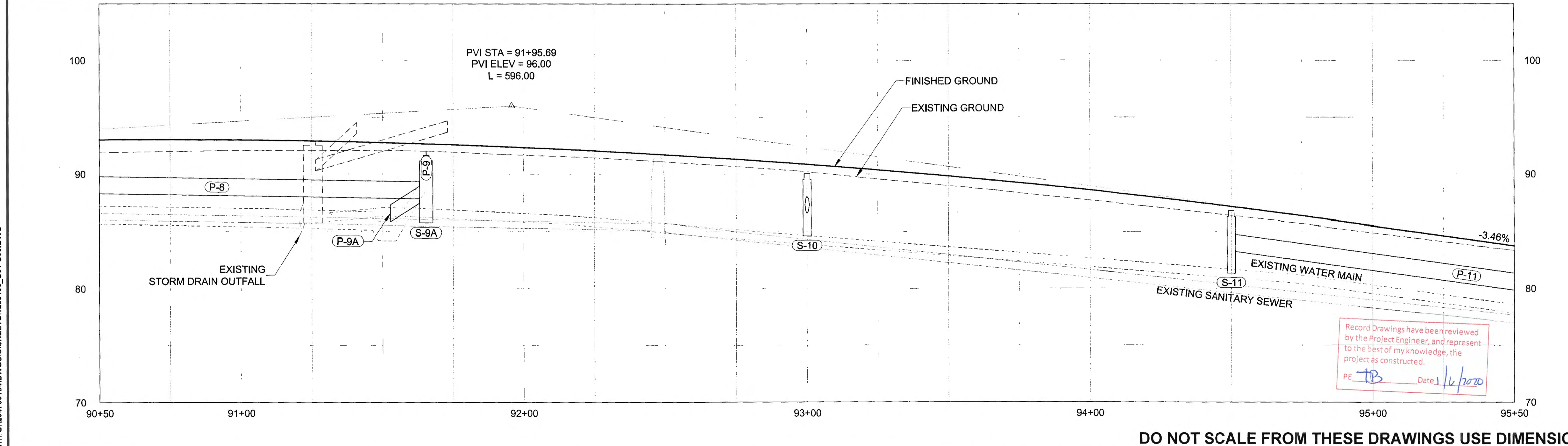
**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**STORM DRAIN
 PLAN & PROFILE**

PROJECT DESIGNATION

0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U3	145



Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE TB Date 1/11/2020

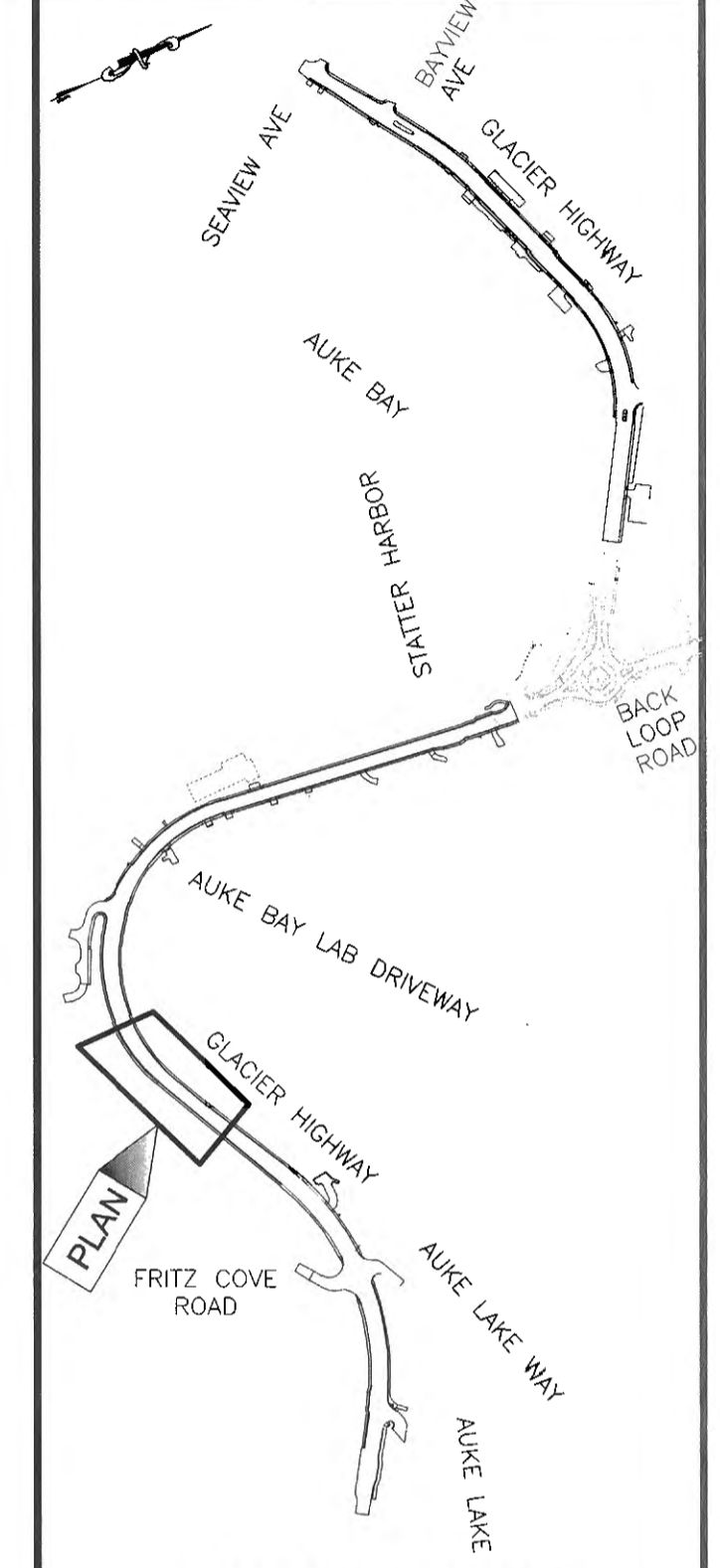
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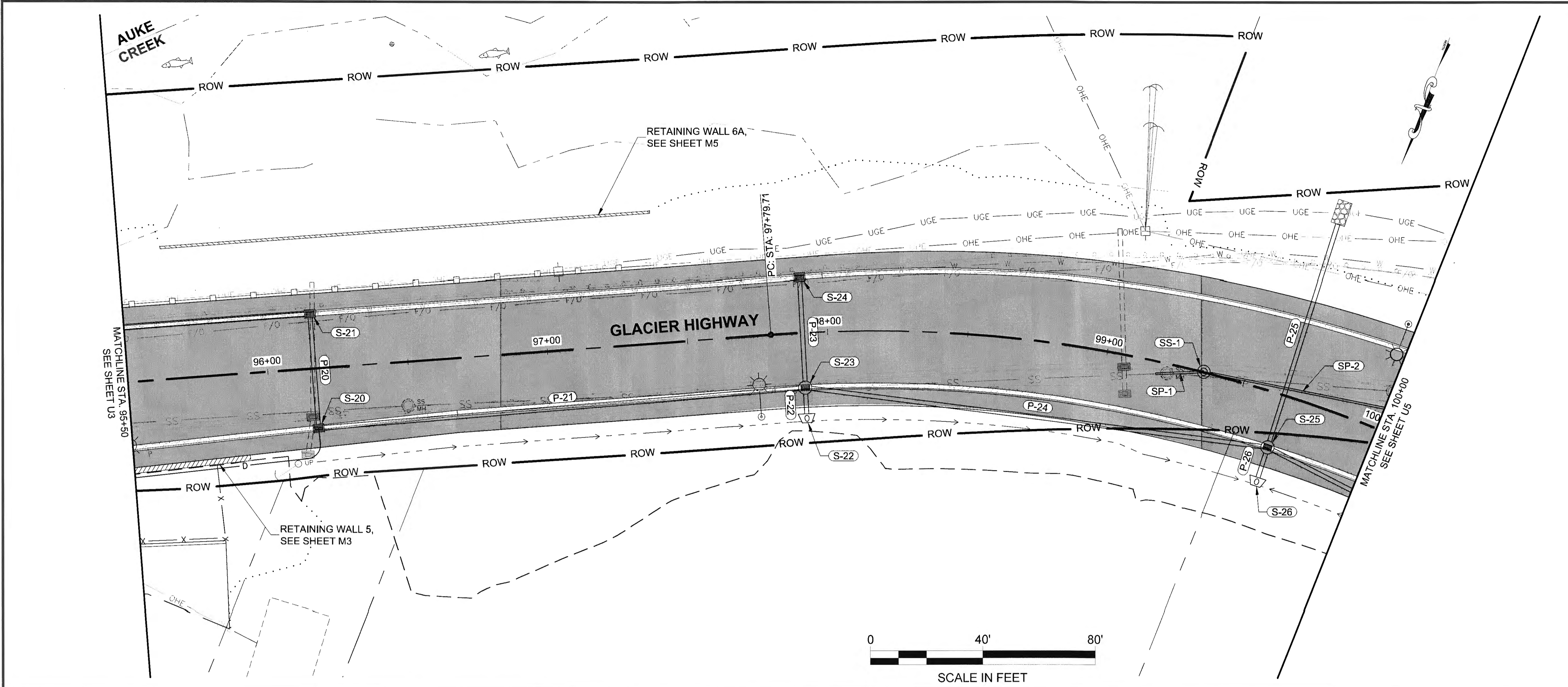
PLANS DEVELOPED BY:
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 ANCHORAGE, AK 99503-2245
 907-276-4245
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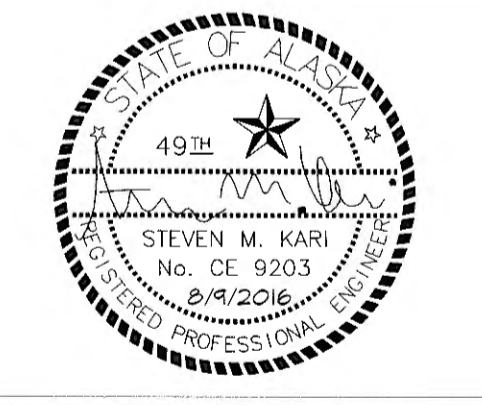
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND



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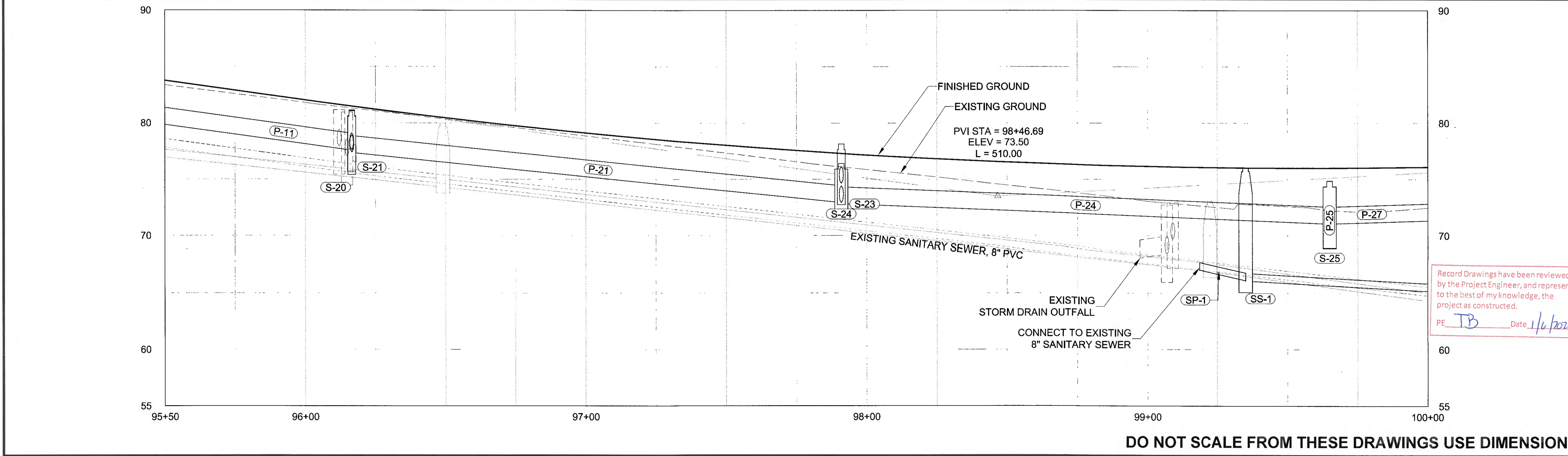
DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**STORM DRAIN
 PLAN & PROFILE**

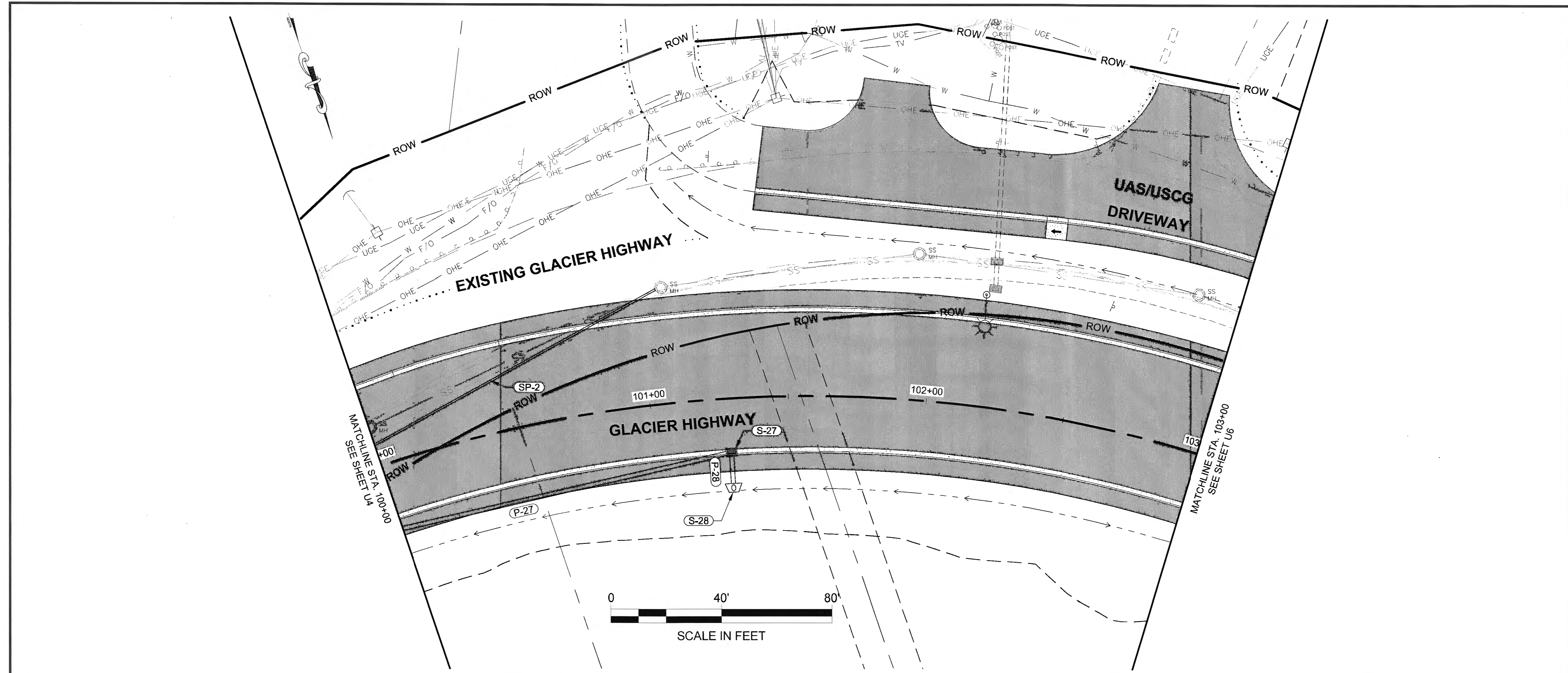
PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U4	145



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 C.A. #126386

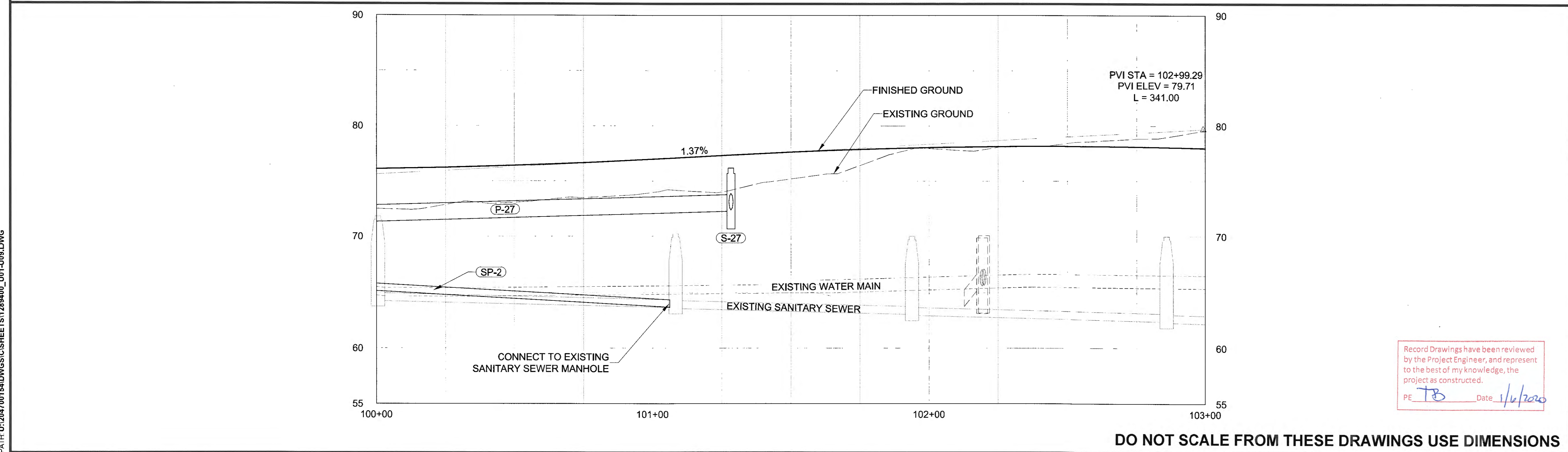
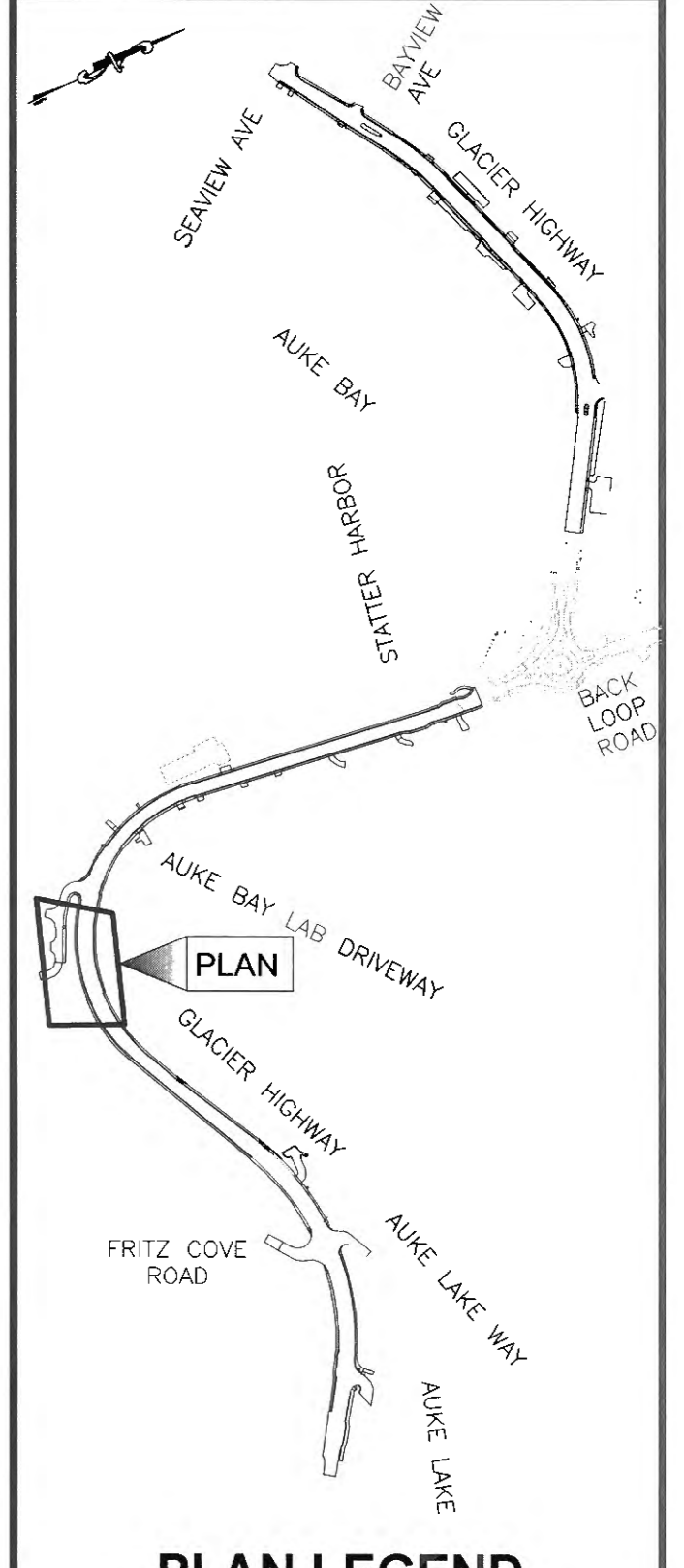
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *TB* Date *1/16/2020*

CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION

**GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE**

STORM DRAIN PLAN & PROFILE

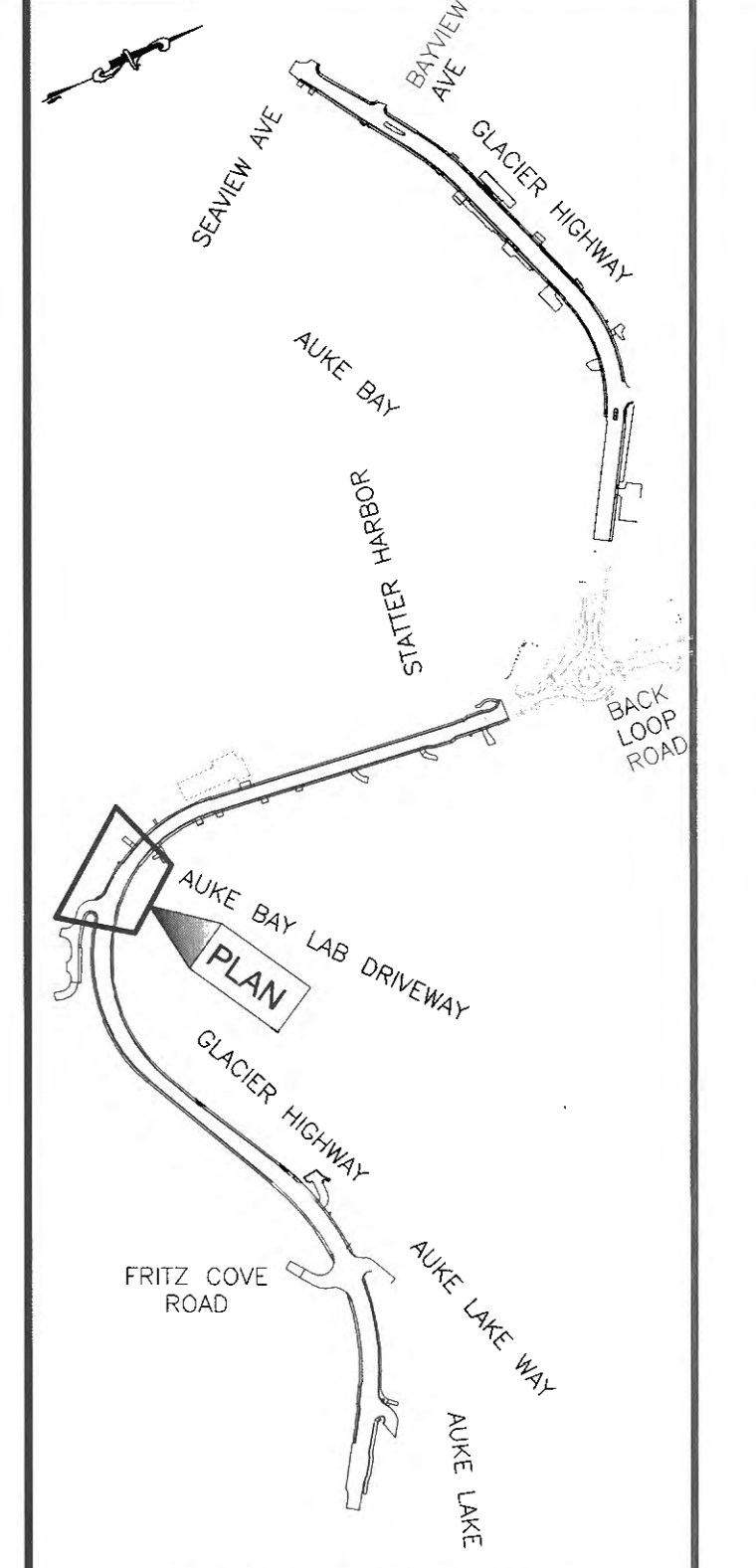
PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U5	145

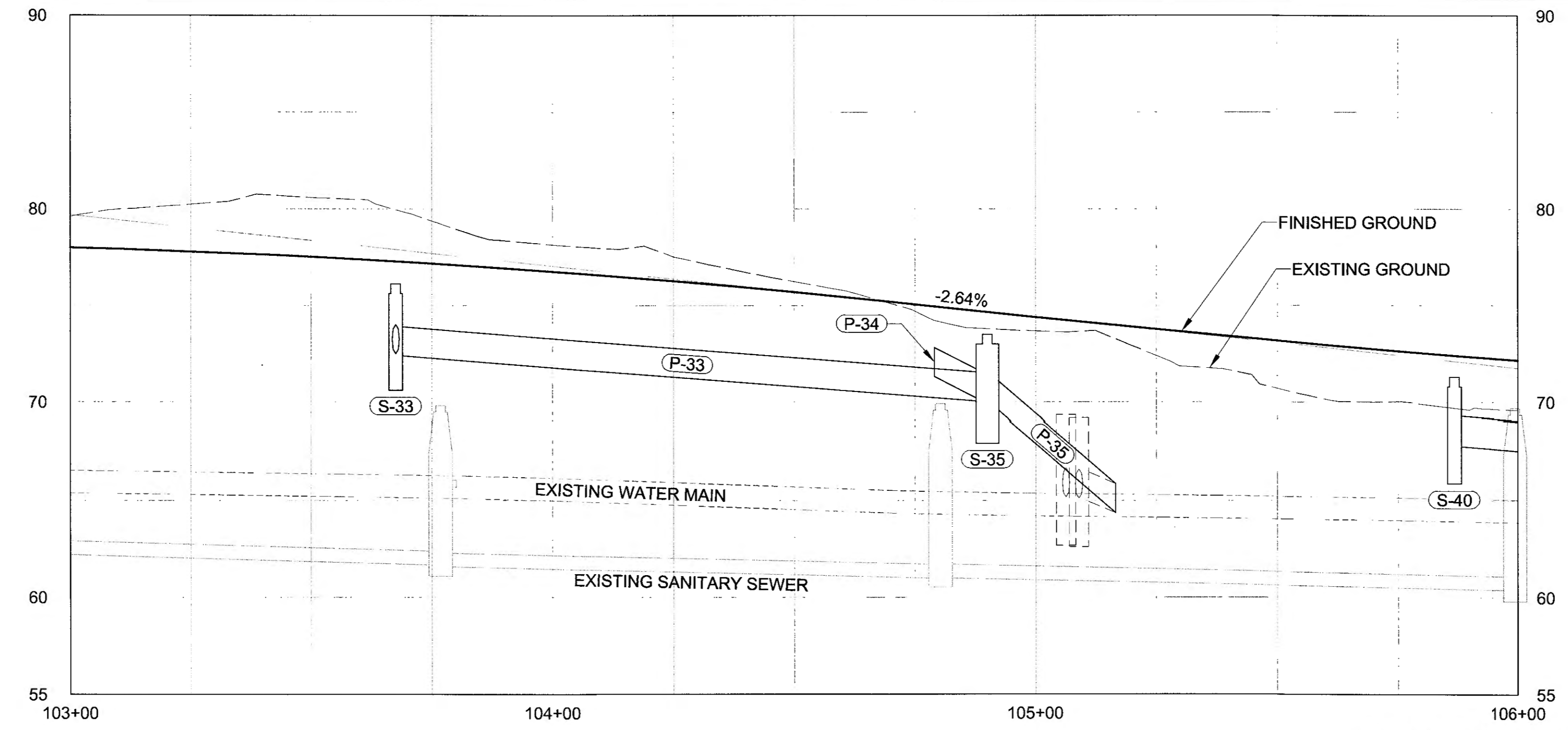
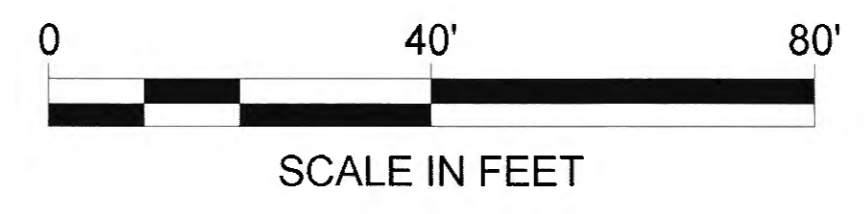
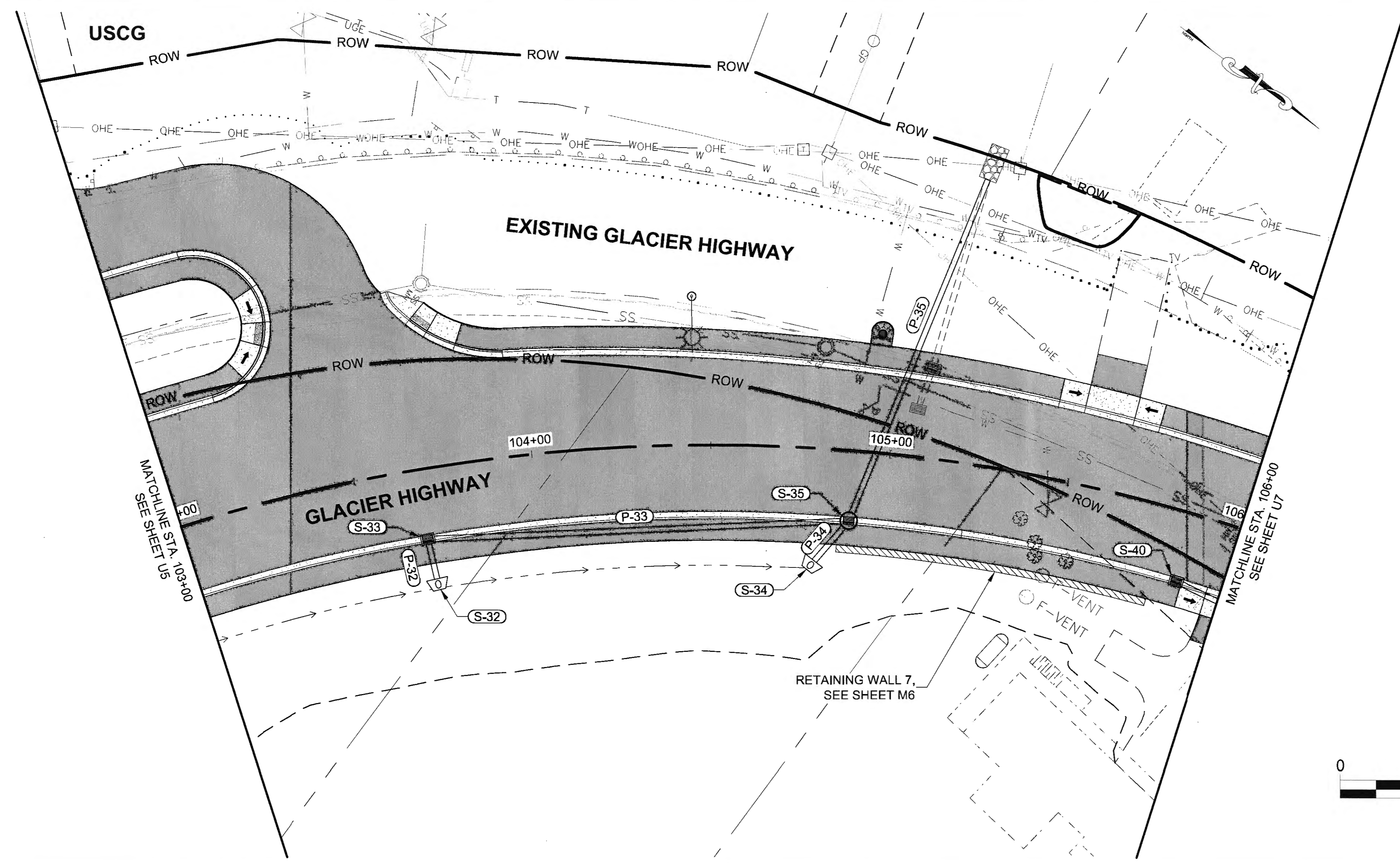
PLANS DEVELOPED BY:
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 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
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 C.A. #126386

TAB: U6
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



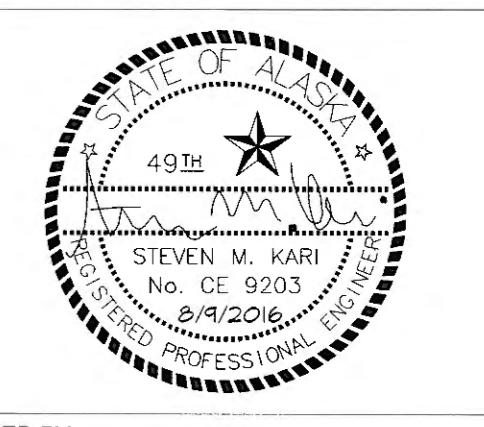
PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/4/2020

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CHECKED BY: S. KARI



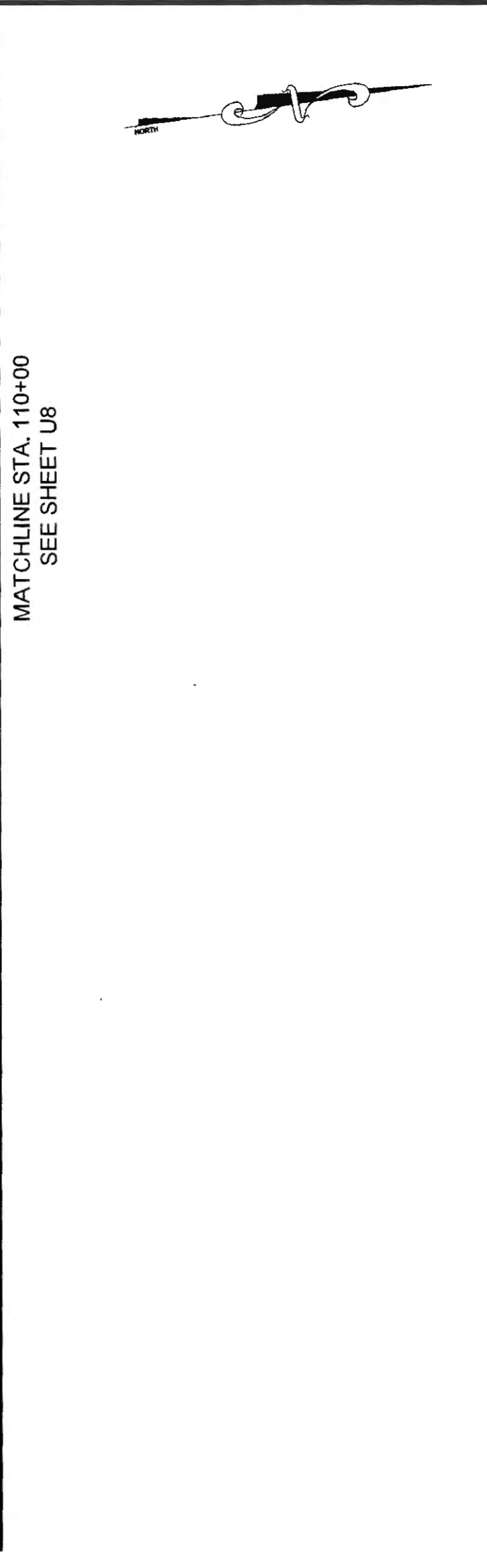
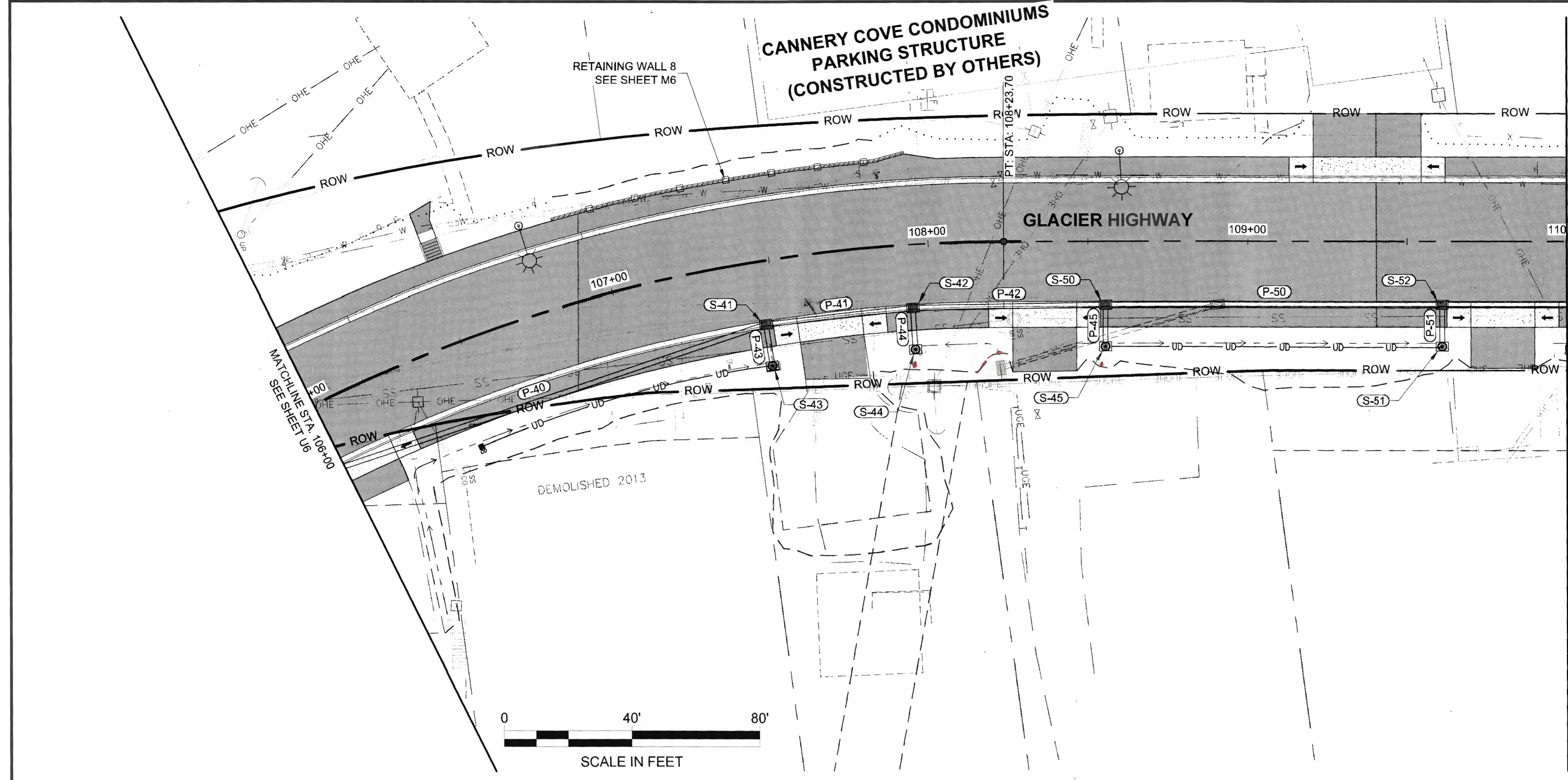
DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION
GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

STORM DRAIN PLAN & PROFILE

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U6	145

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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB U7

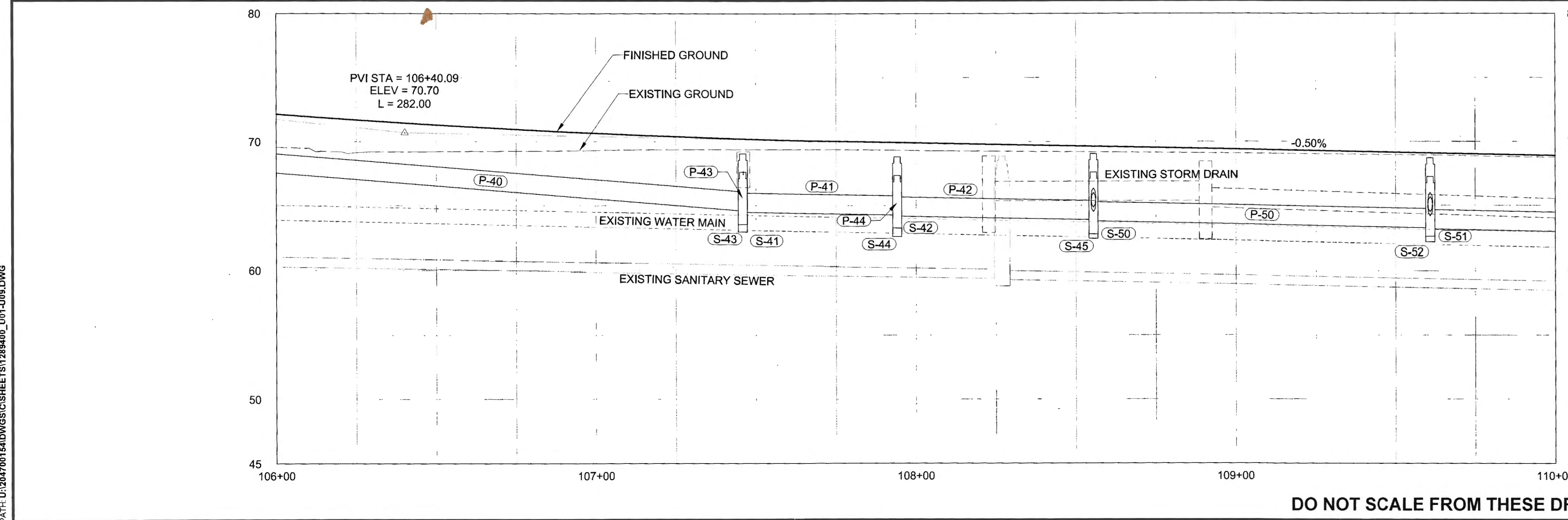
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN LEGEND



CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK

DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

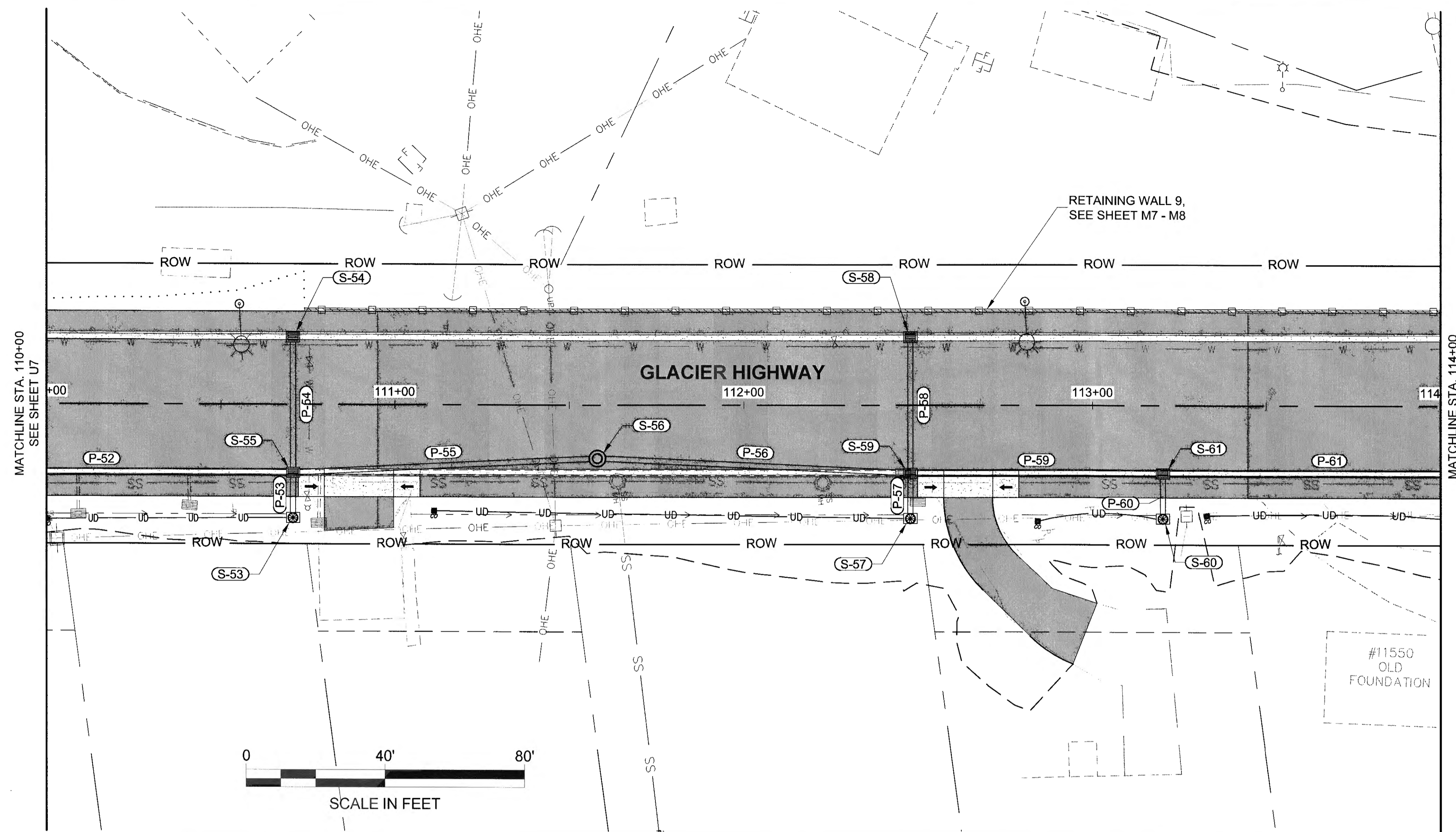
**STORM DRAIN
 PLAN & PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U7	145

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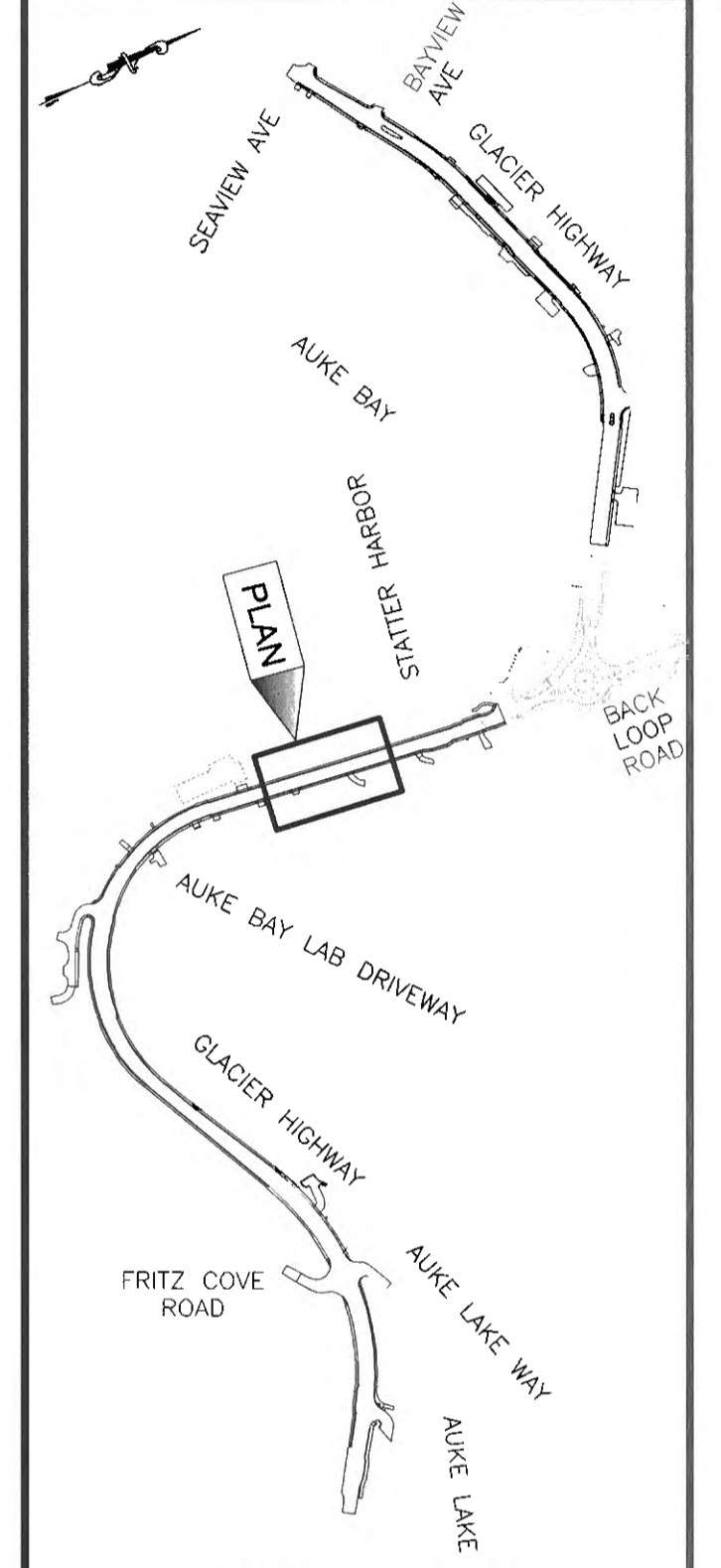
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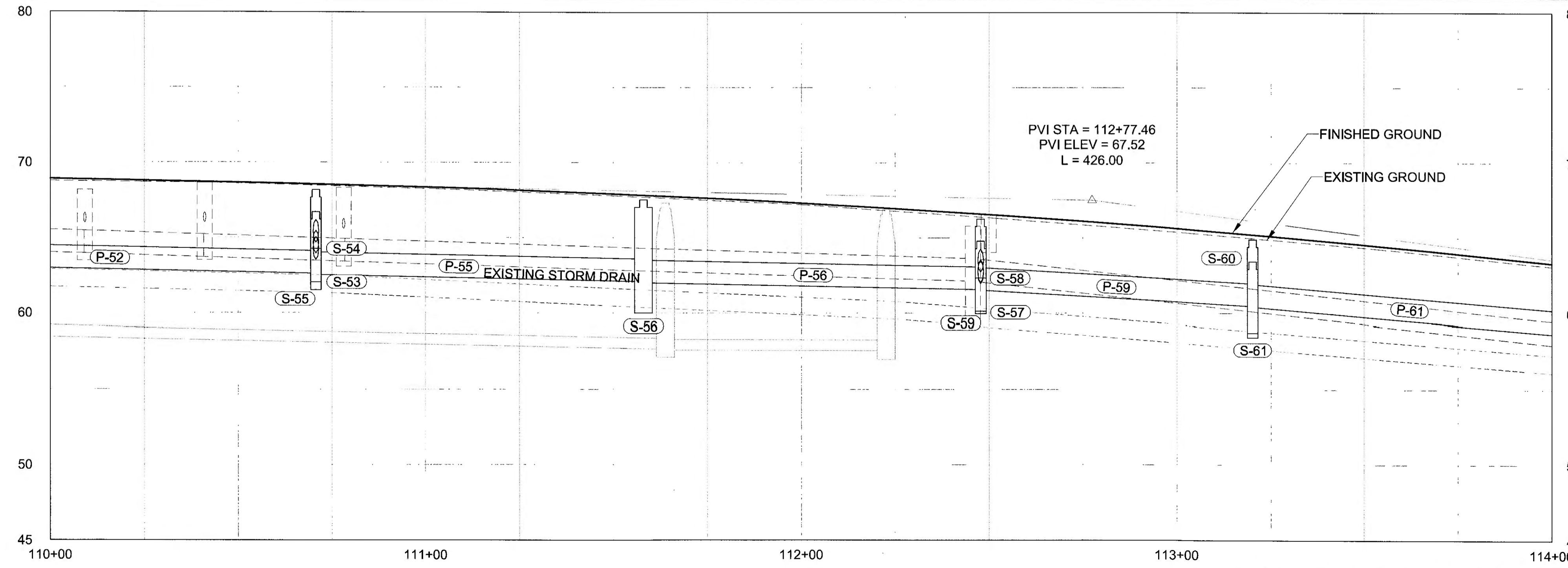
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE: *TD* Date: 1/6/2020

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CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION

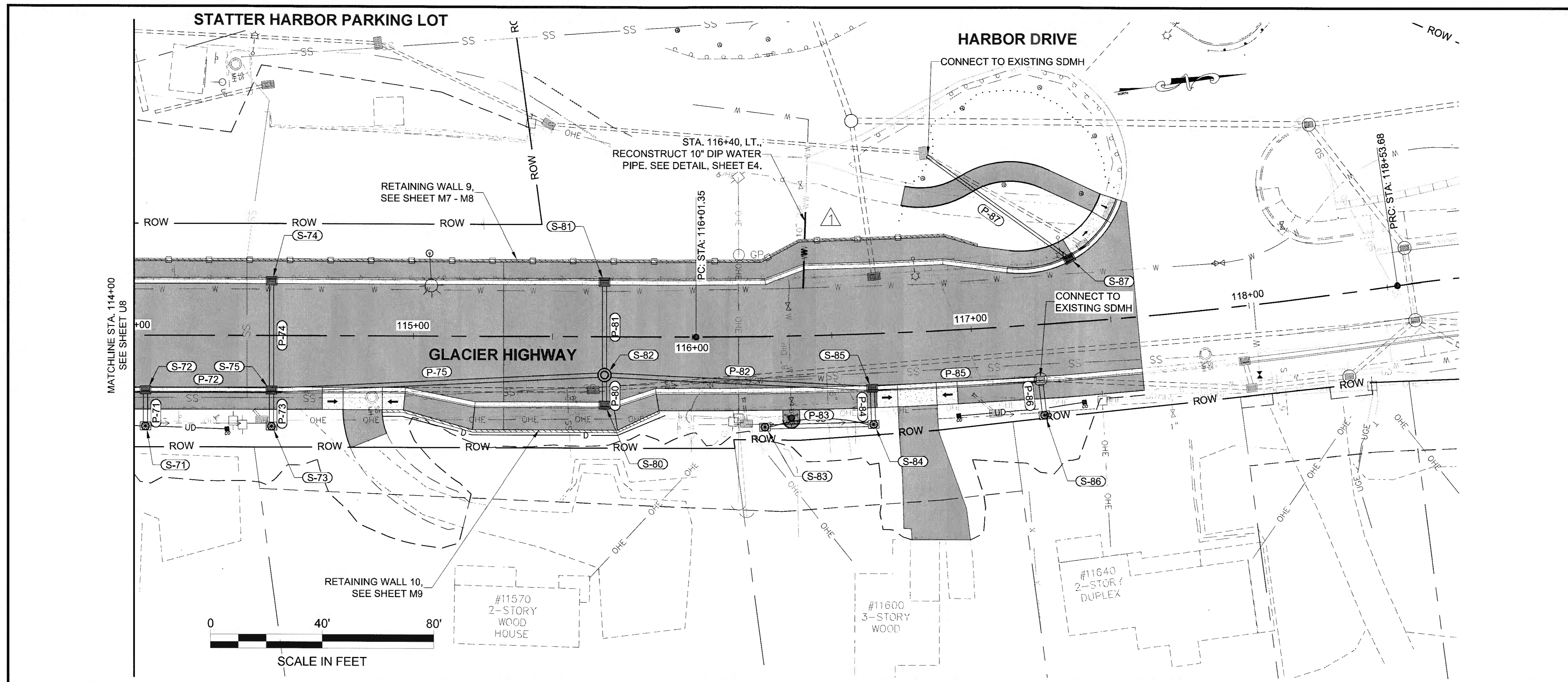
**GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE**

STORM DRAIN PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U8	145

PATH: U:\204700154\DWGS\CS\SHEETS\1289400_U01-L008.DWG



PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

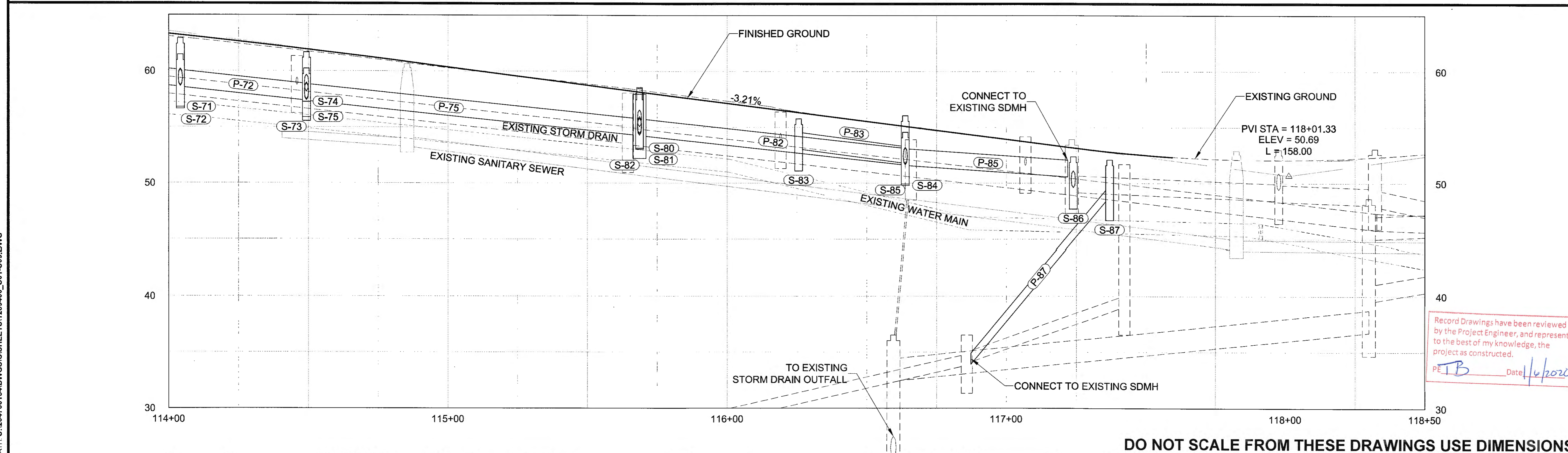
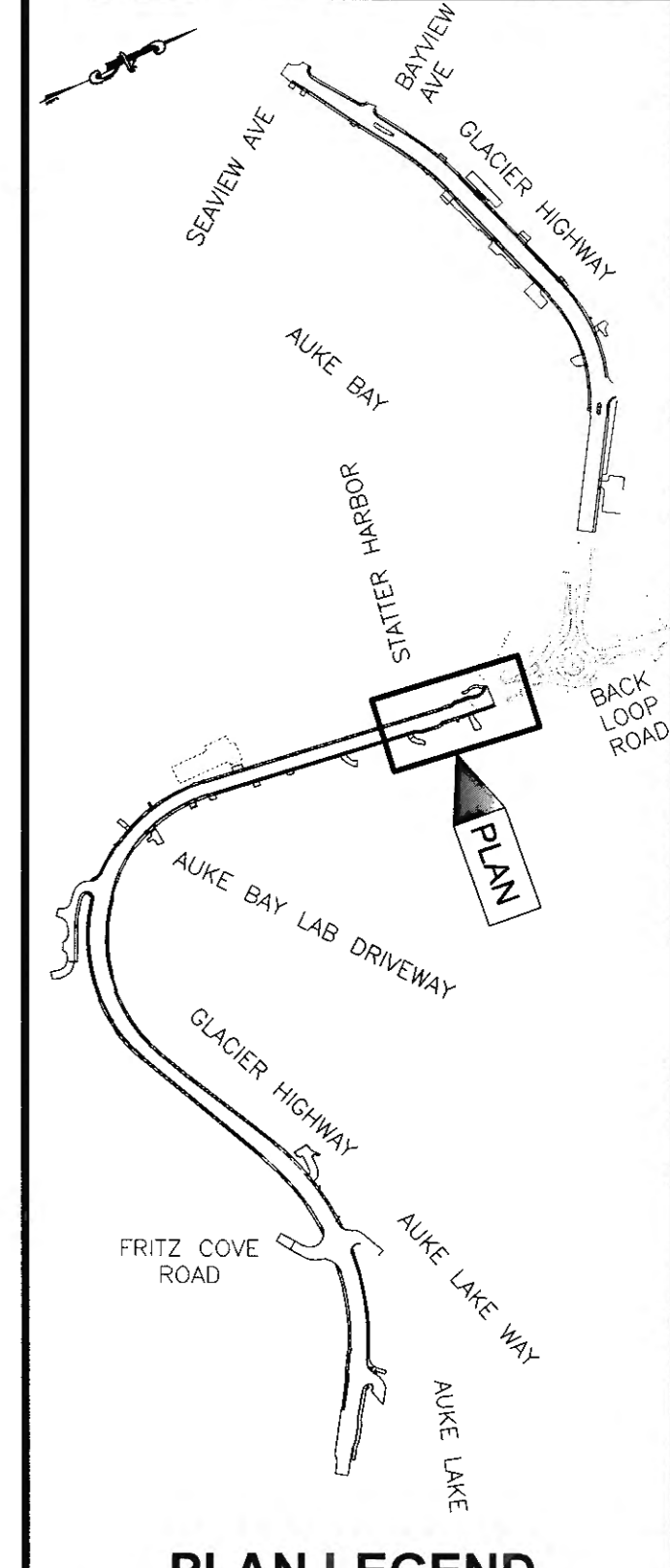
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	12/05/16	ADDED SEWER VENT LINE



CHECKED BY: S. KARI

DESIGNED BY: B. PADDOCK

DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

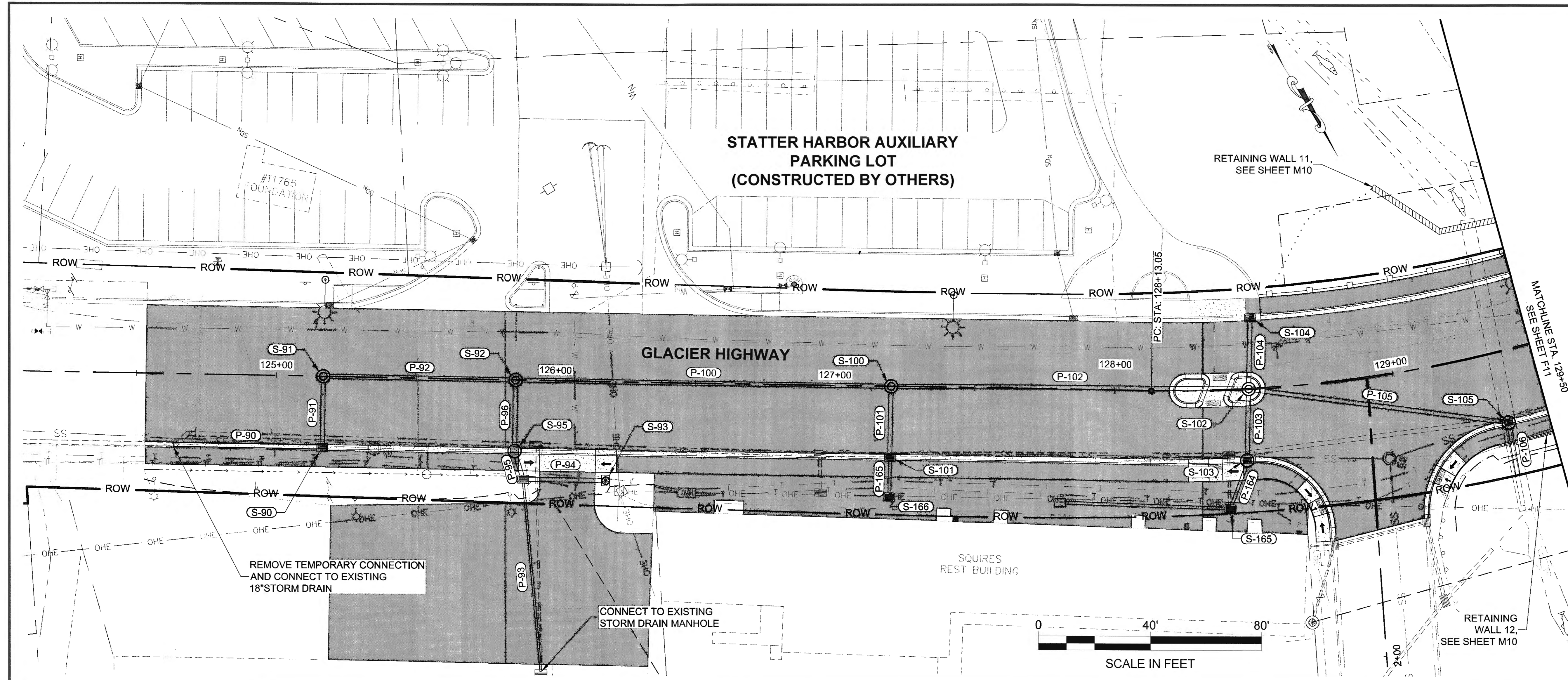
**STORM DRAIN
 PLAN & PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U9	145

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 4/2/2020

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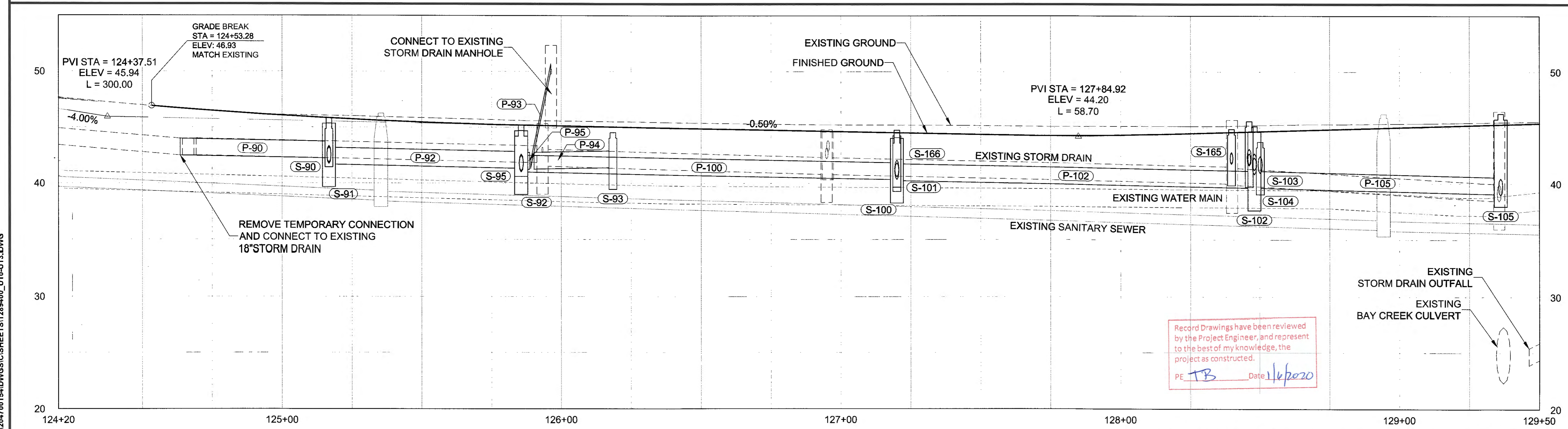
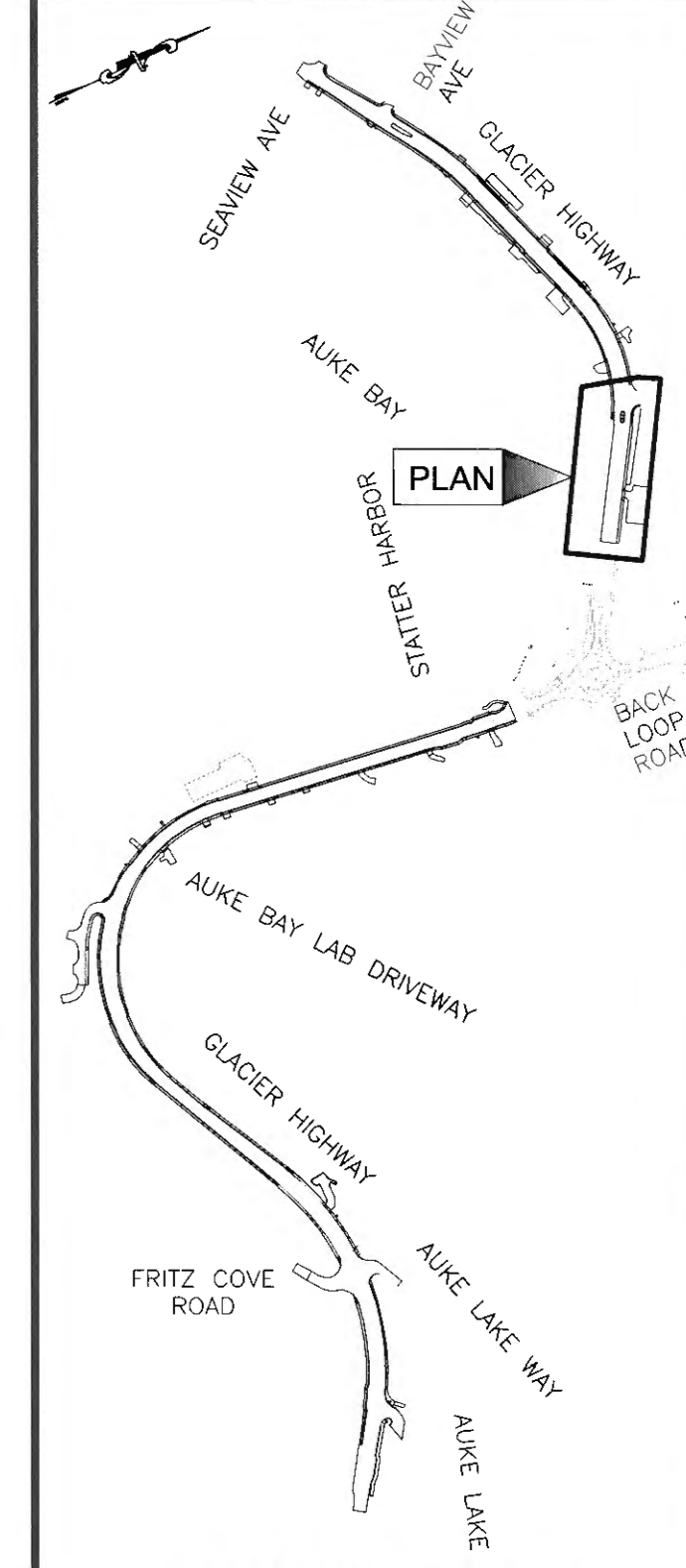


PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: U10
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

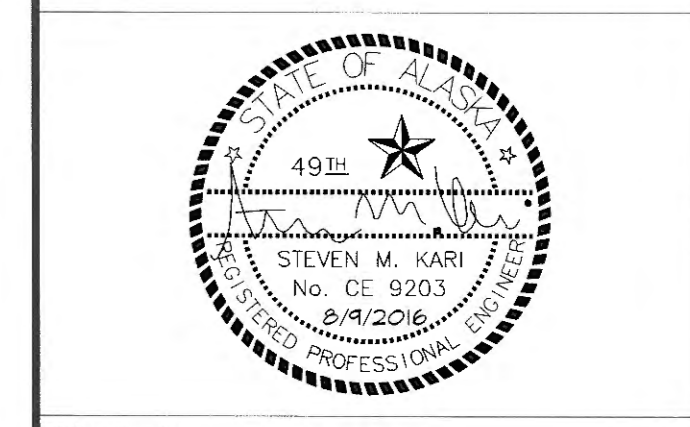
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE TB Date 1/16/2020

CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION

GLACIER HIGHWAY RECONSTRUCTION
FRITZ COVE ROAD TO SEAVIEW AVENUE

STORM DRAIN PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U10	145

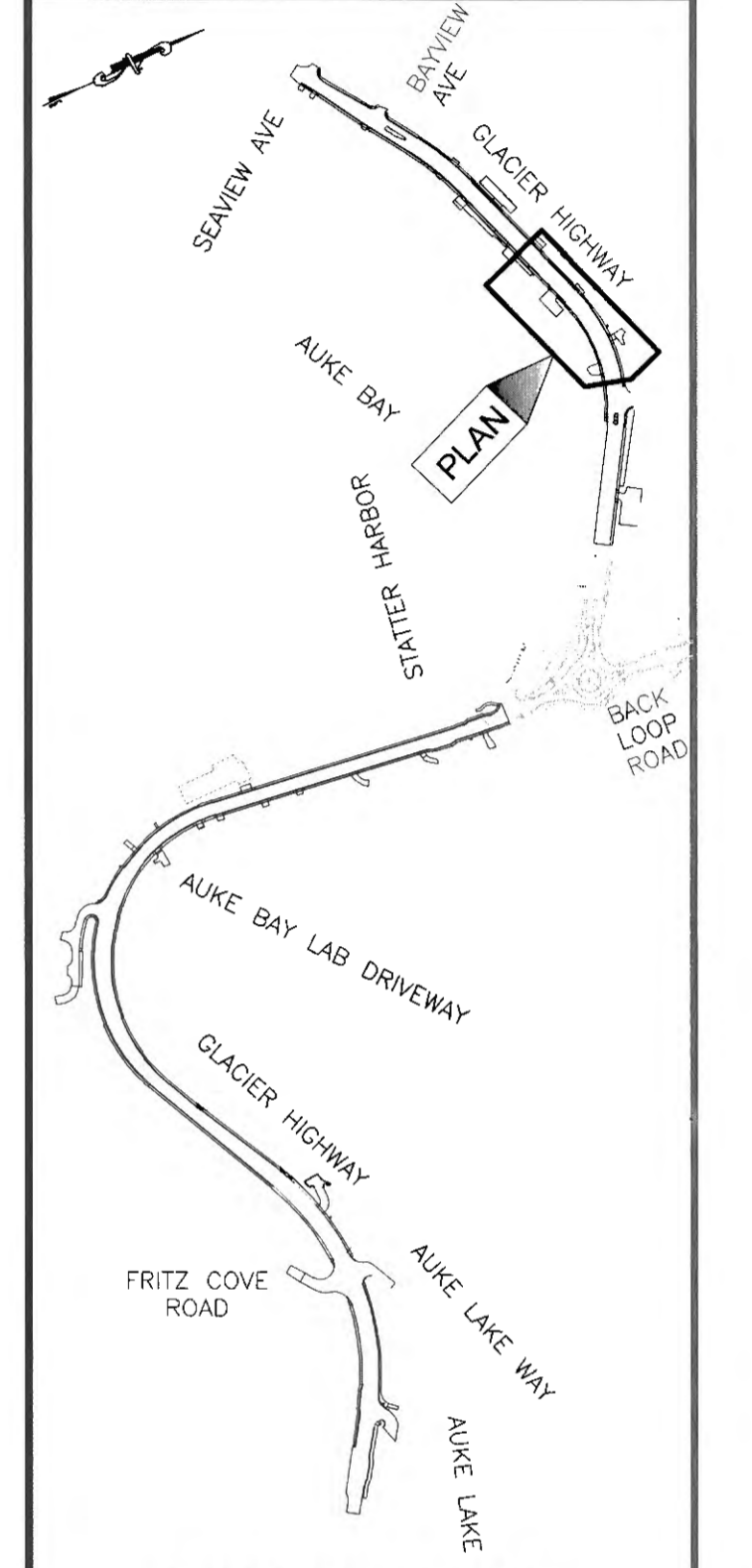
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DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

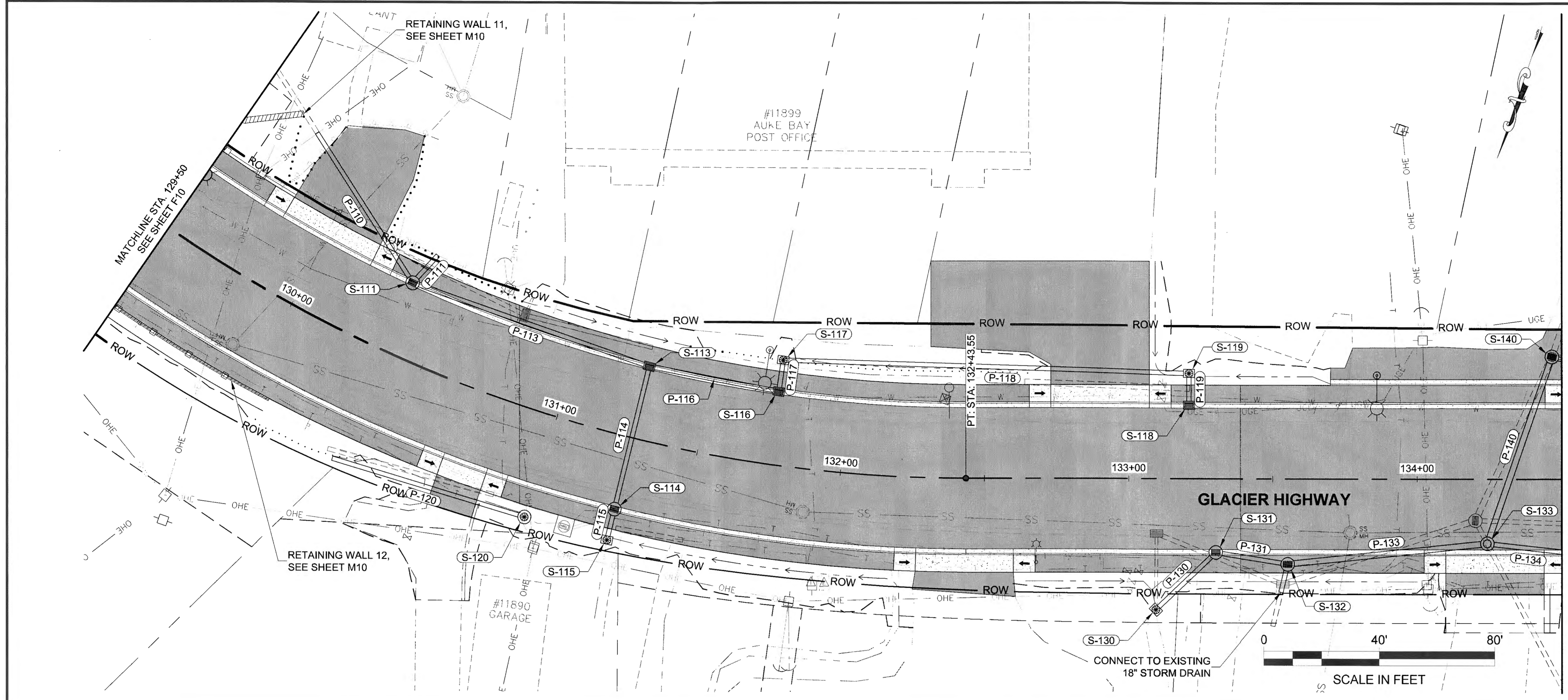
PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: U11
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND



CHECKED BY: S. KARI



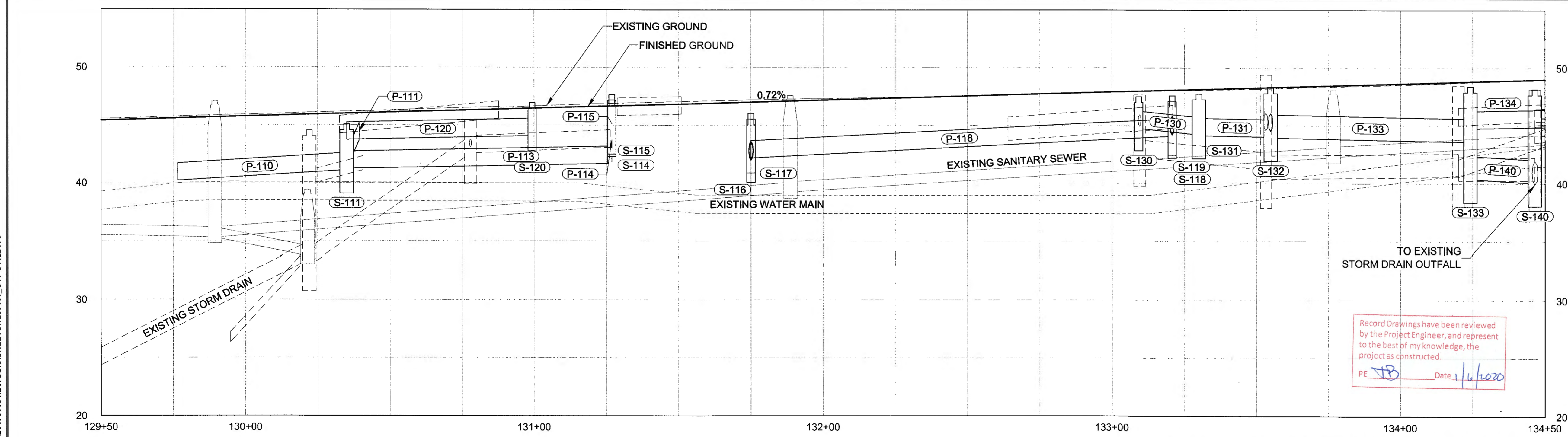
DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**STORM DRAIN
 PLAN & PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U11	145



Record Drawings have been reviewed
 by the Project Engineer, and represent
 to the best of my knowledge, the
 project as constructed.
 PE *JB* Date 1/6/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2047001\54\DWGS\CS\SHEETS\1289400_U10\J13.DWG

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

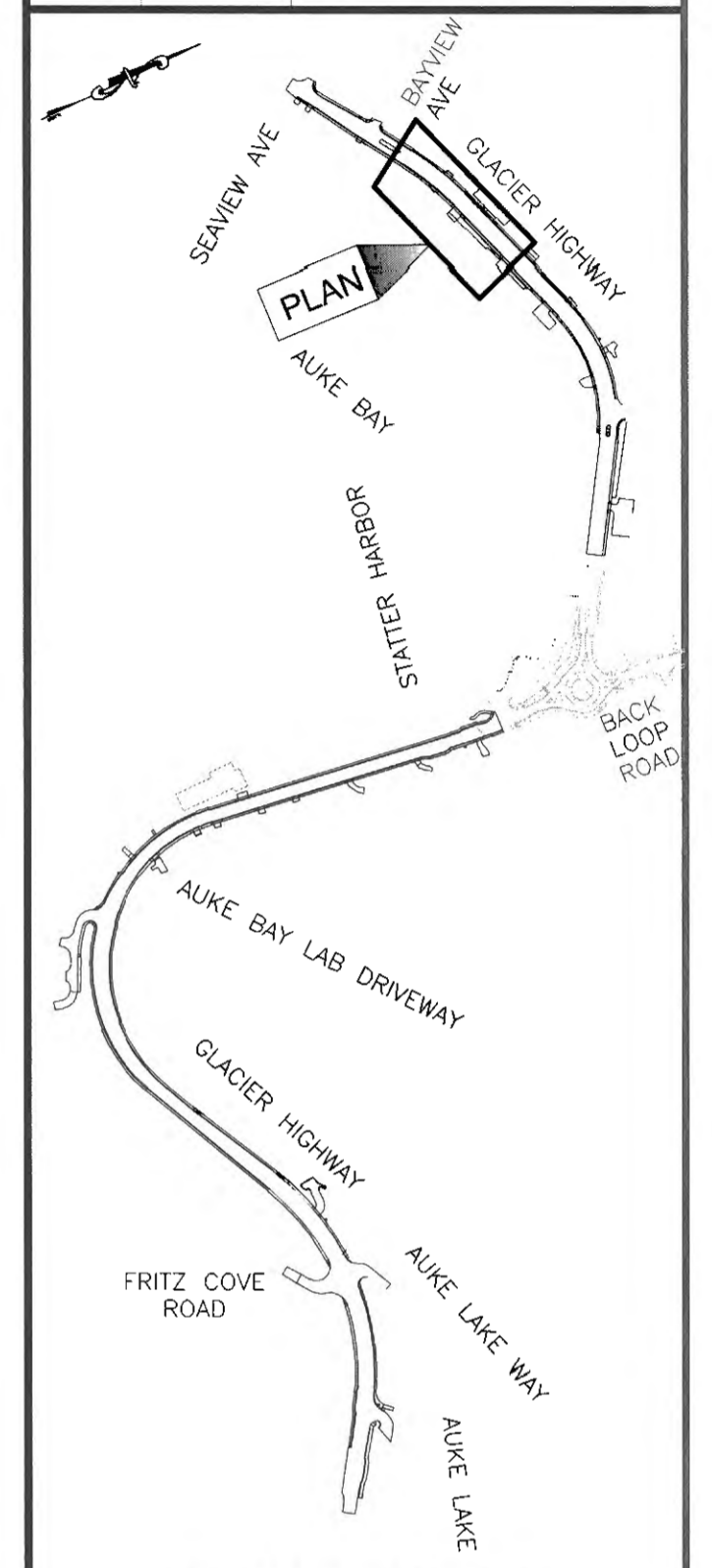
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI



DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

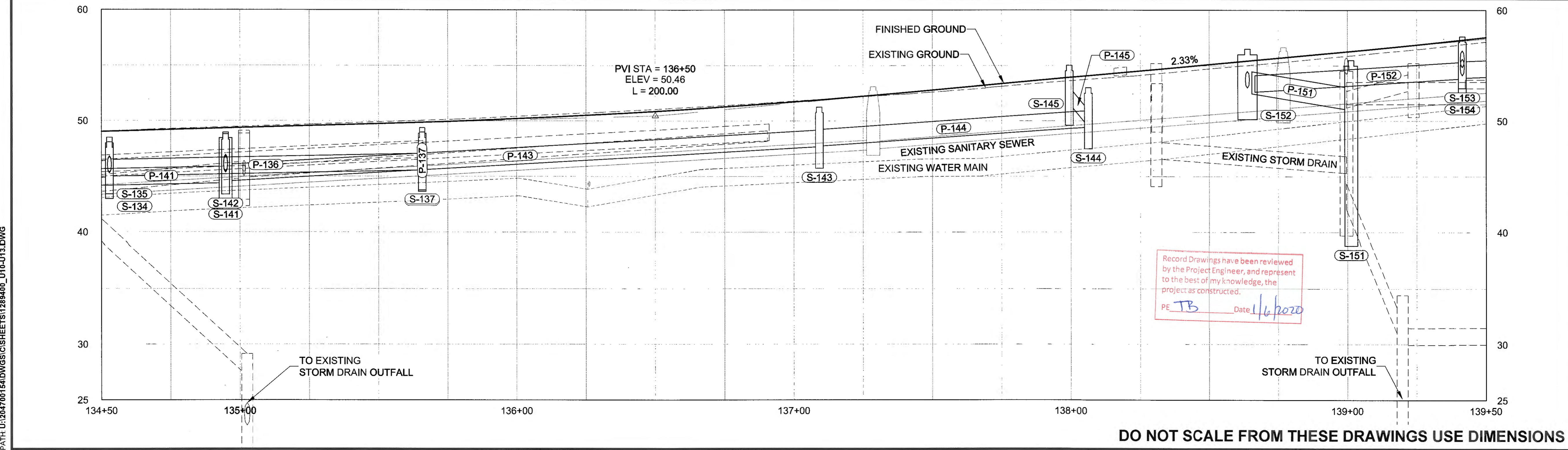
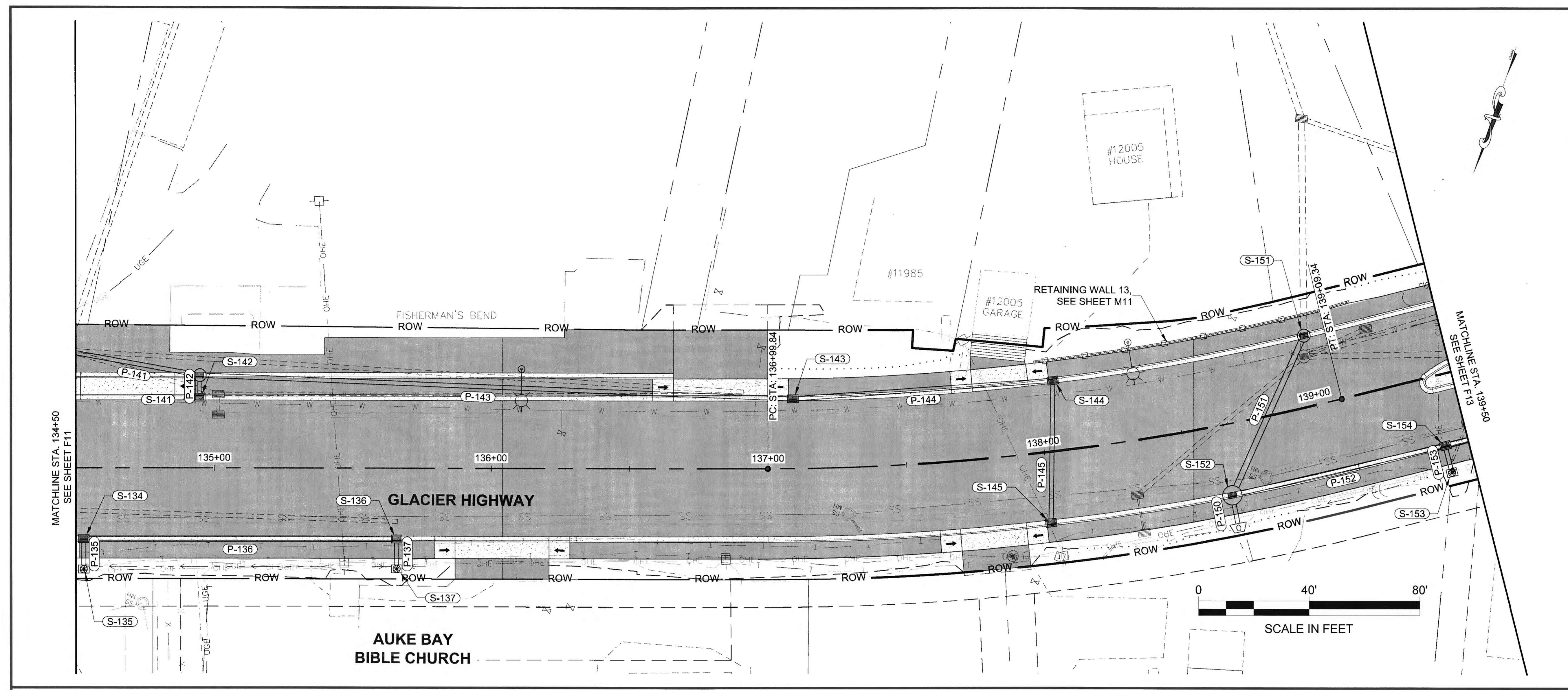
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**STORM DRAIN
 PLAN & PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U12	145



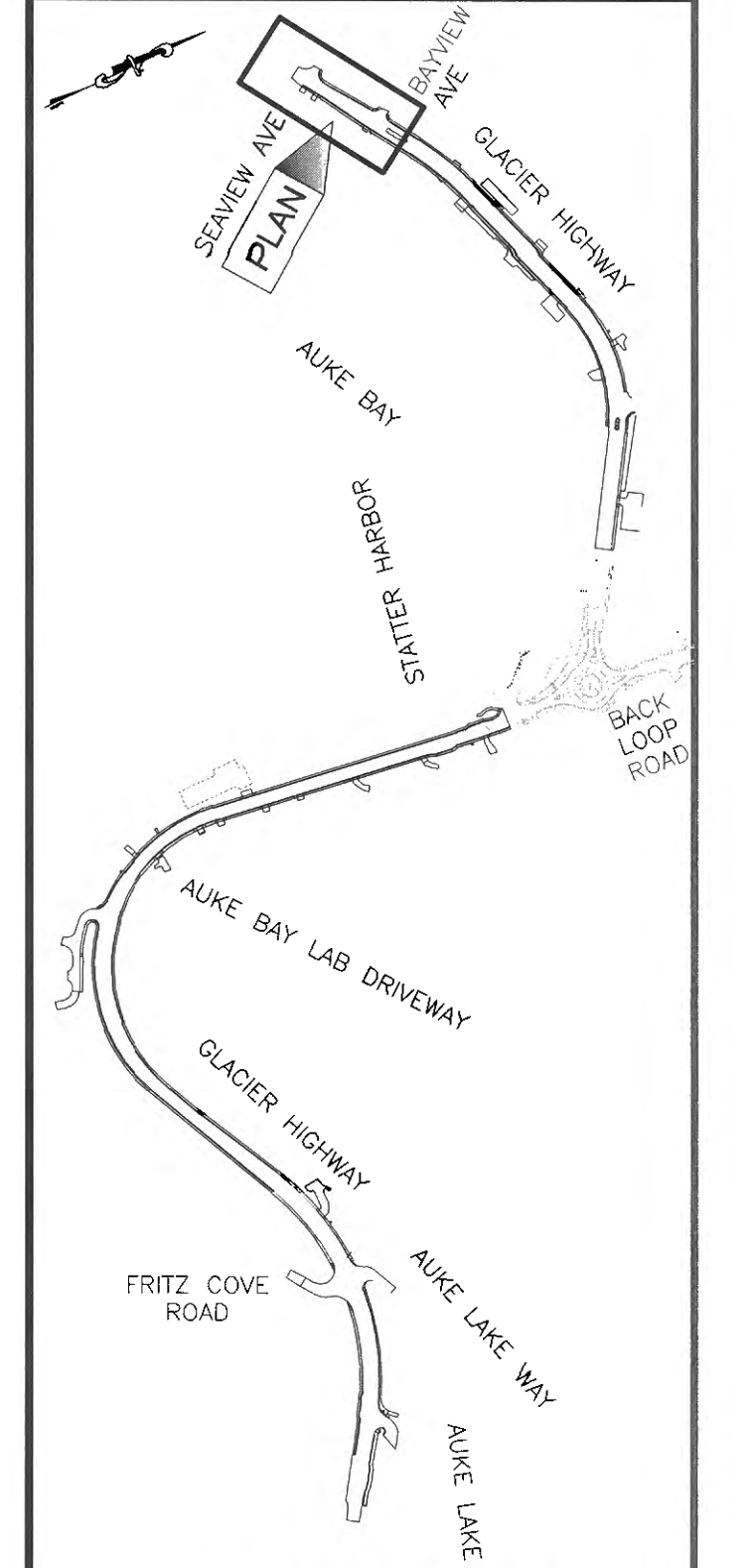
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

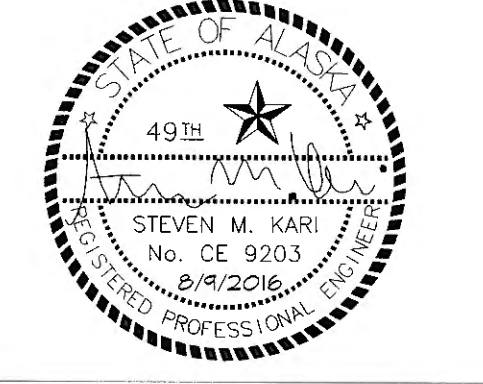
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 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI

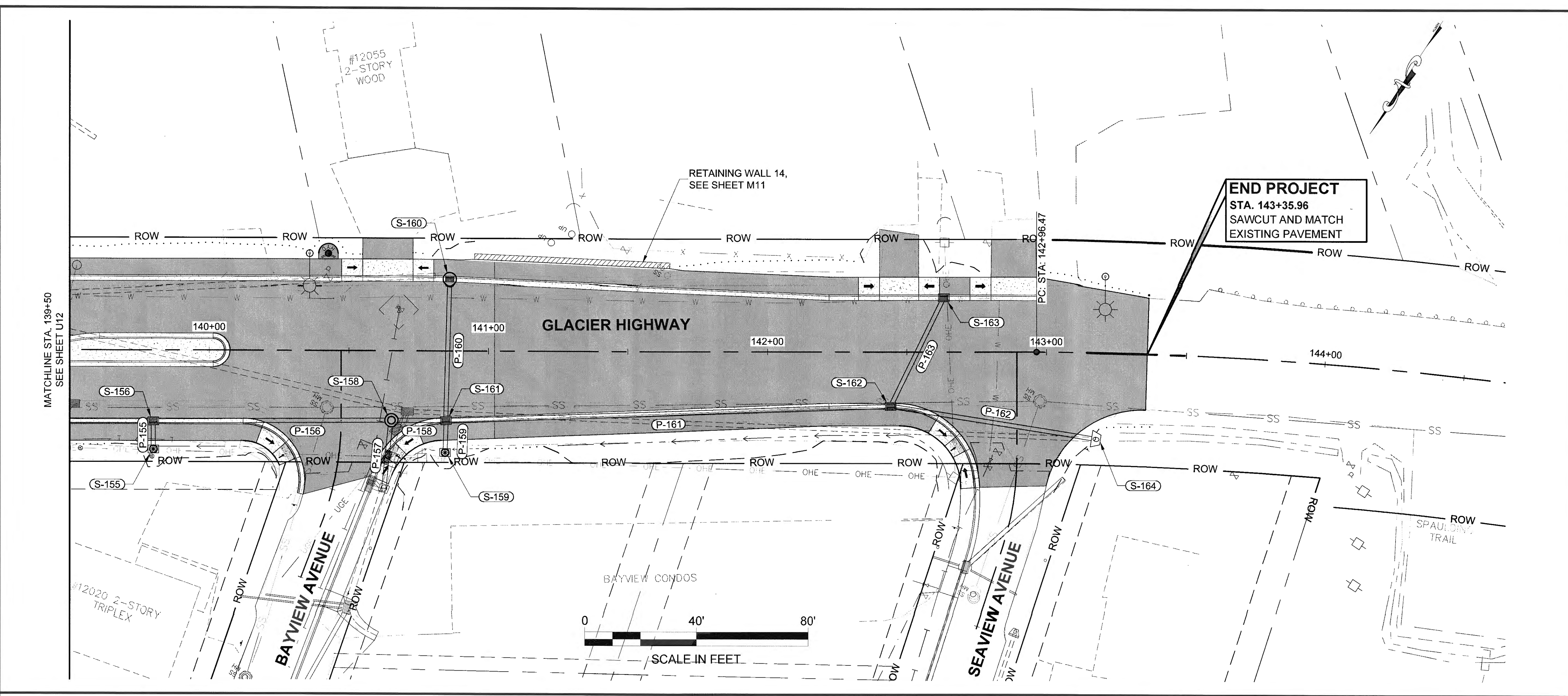


DESIGNED BY: B. PADDOCK
 DRAWN BY: B. PADDOCK

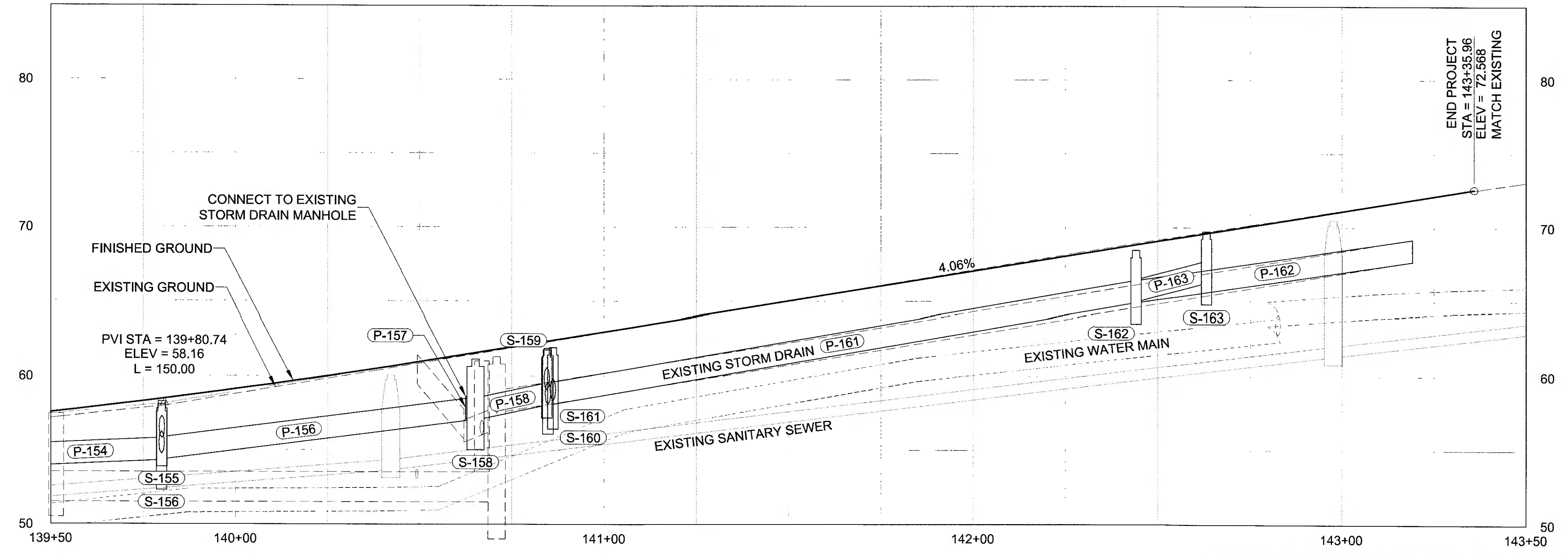
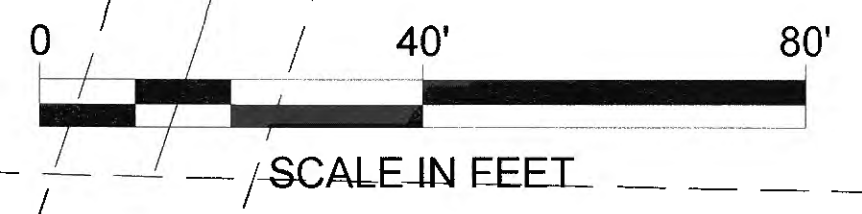
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION
**GLACIER HIGHWAY
 RECONSTRUCTION
 FRITZ COVE ROAD TO
 SEAVIEW AVENUE**

**STORM DRAIN
 PLAN & PROFILE**

PROJECT DESIGNATION	
0933039/Z684710000	
STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U13	145



**END PROJECT
 STA. 143+35.96
 SAWCUT AND MATCH
 EXISTING PAVEMENT**



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *JB* Date *1/16/2020*

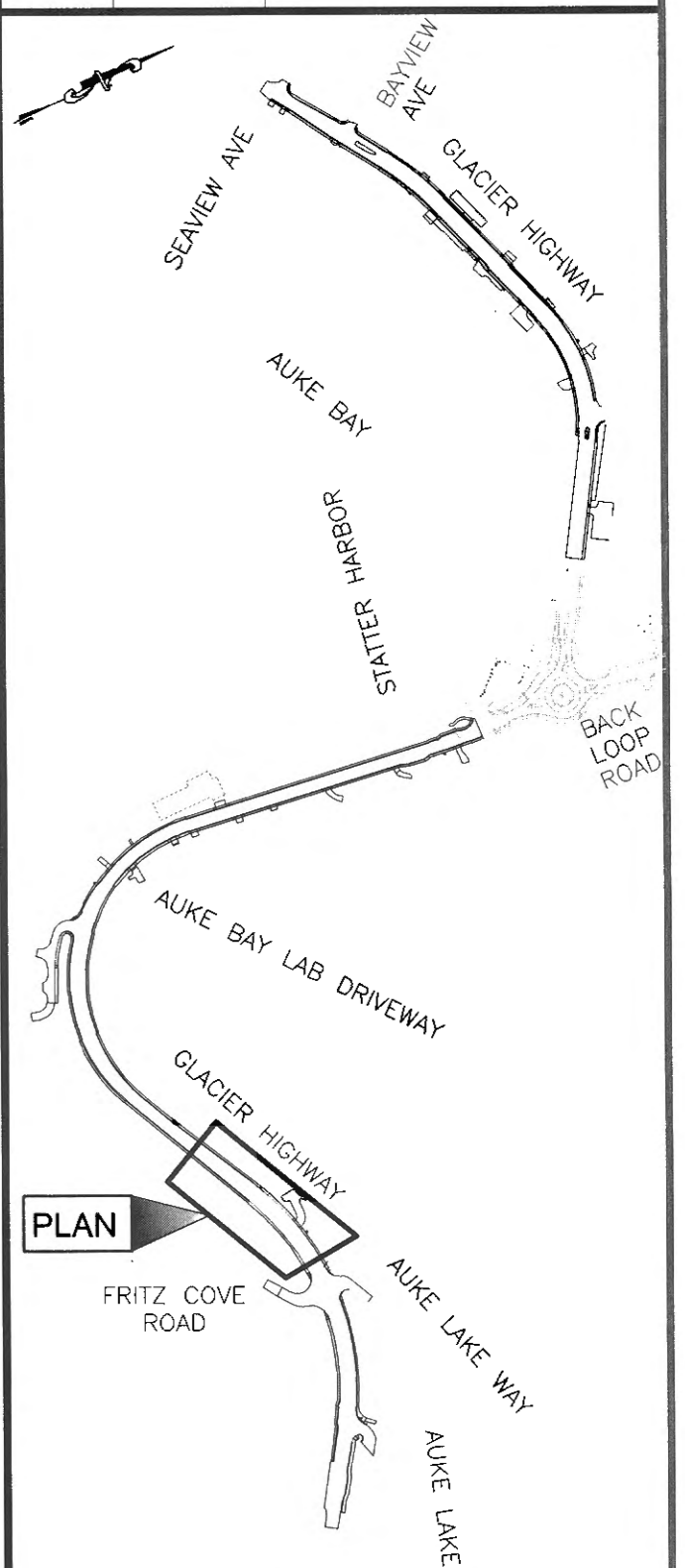
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2017\0154\DWG\GIS\CS\SHETS\1289400_U10-U13.DWG

PLANS DEVELOPED BY:
 STANTEC CONSULTING SERVICES, INC.
 725 EAST FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 907-276-4245
 C.A. #126386

TAB: U14
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

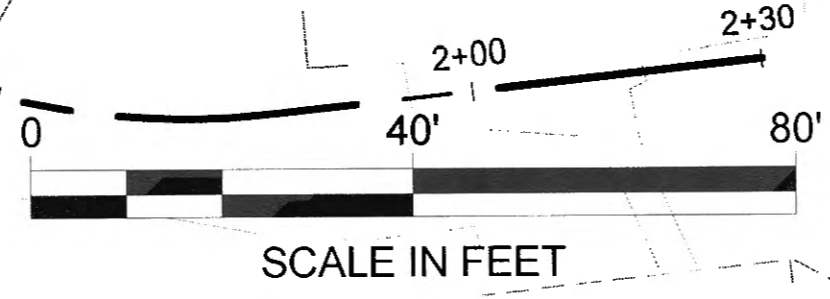
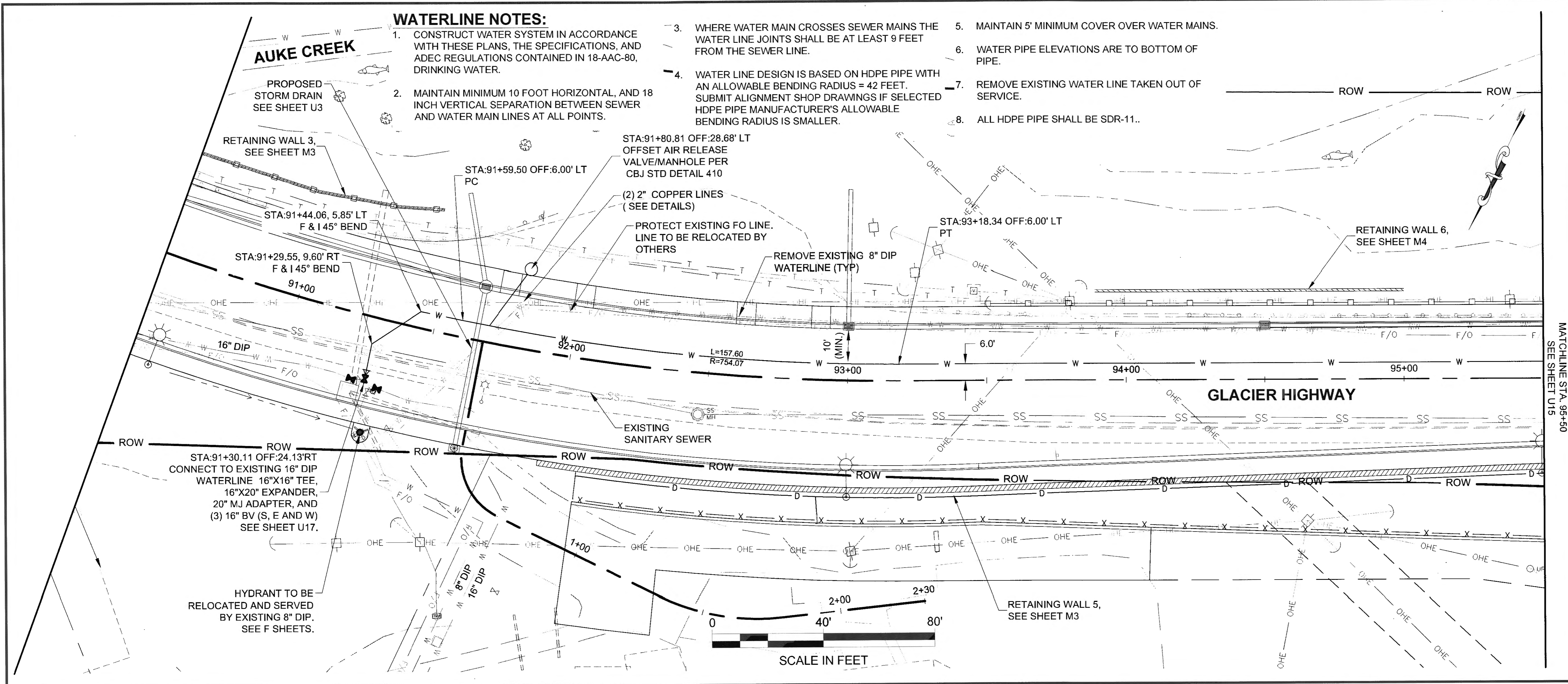
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

WATERLINE NOTES:

- CONSTRUCT WATER SYSTEM IN ACCORDANCE WITH THESE PLANS, THE SPECIFICATIONS, AND ADEC REGULATIONS CONTAINED IN 18-AAC-80, DRINKING WATER.
- MAINTAIN MINIMUM 10 FOOT HORIZONTAL, AND 18 INCH VERTICAL SEPARATION BETWEEN SEWER AND WATER MAIN LINES AT ALL POINTS.
- WHERE WATER MAIN CROSSES SEWER MAINS THE WATER LINE JOINTS SHALL BE AT LEAST 9 FEET FROM THE SEWER LINE.
- WATER LINE DESIGN IS BASED ON HDPE PIPE WITH AN ALLOWABLE BENDING RADIUS = 42 FEET. SUBMIT ALIGNMENT SHOP DRAWINGS IF SELECTED HDPE PIPE MANUFACTURER'S ALLOWABLE BENDING RADIUS IS SMALLER.
- MAINTAIN 5' MINIMUM COVER OVER WATER MAINS.
- WATER PIPE ELEVATIONS ARE TO BOTTOM OF PIPE.
- REMOVE EXISTING WATER LINE TAKEN OUT OF SERVICE.
- ALL HDPE PIPE SHALL BE SDR-11..



CHECKED BY: J. LIMB



DESIGNED BY: J. LIMB
 DRAWN BY: M. HIDALGO

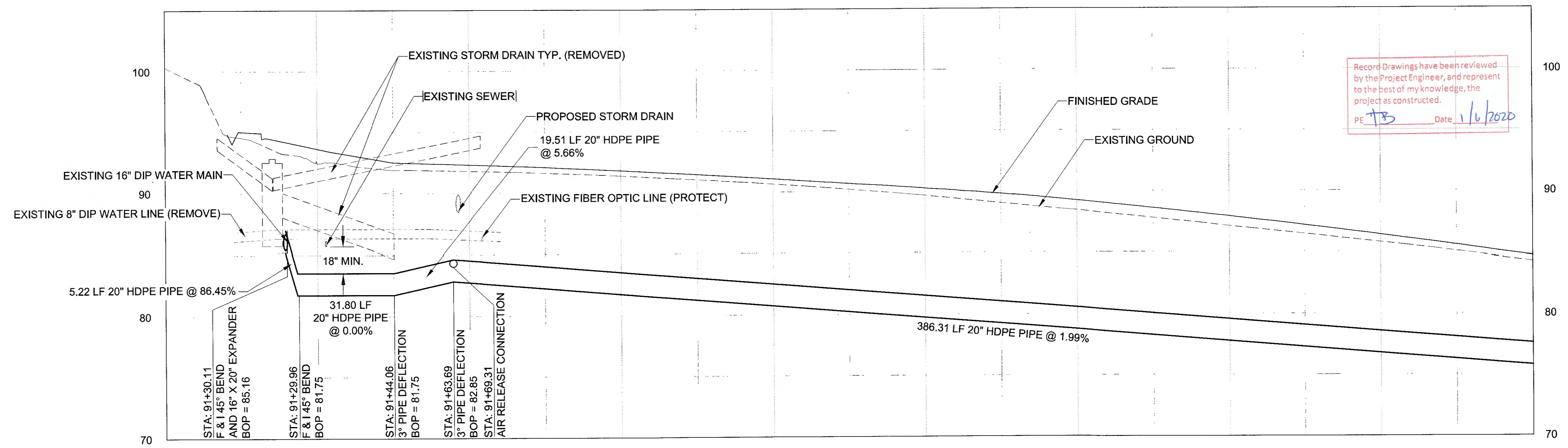
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION
GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

WATER PLAN & PROFILE

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

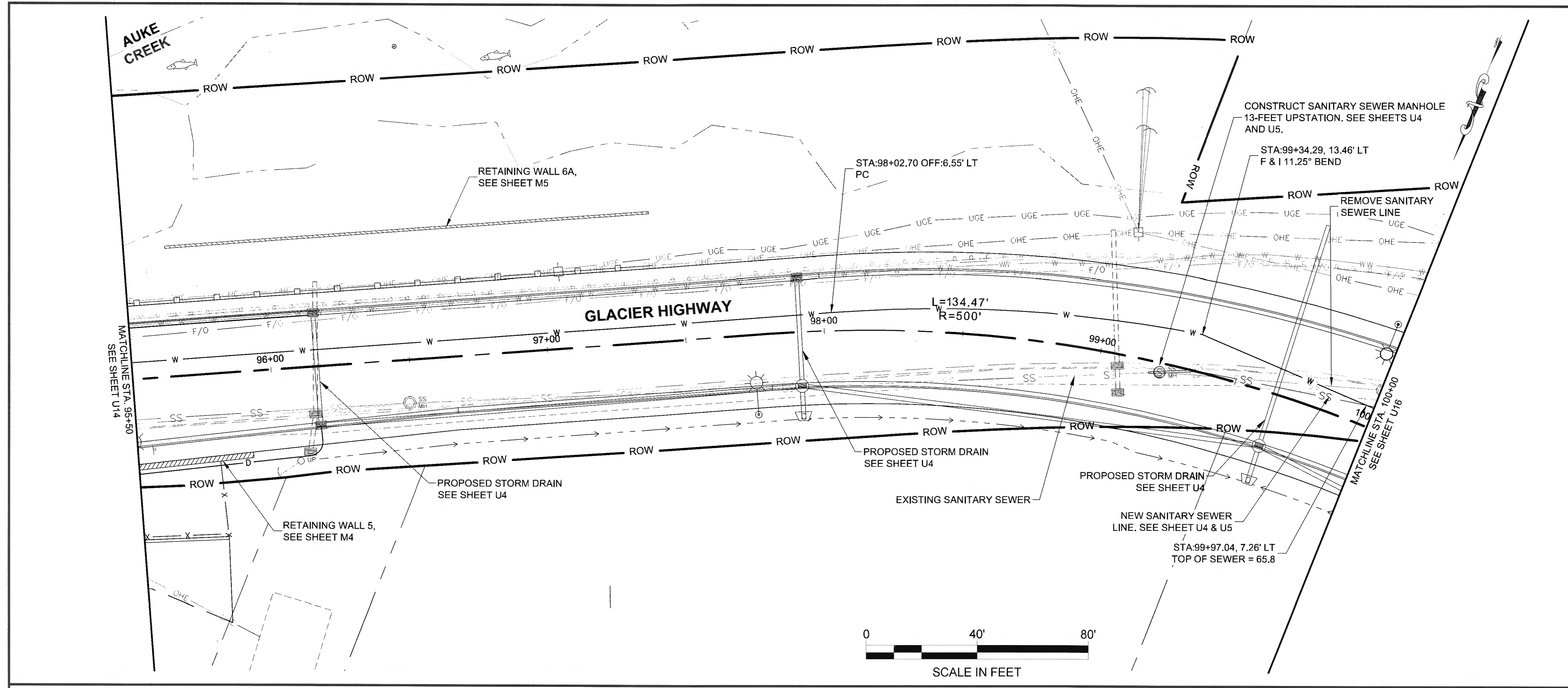
SHEET NUMBER	TOTAL SHEETS
U14	145



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: *JL* Date: 1/6/2020

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2017\0154\DWGS\CIS\SHETS\1289400_U14-16.DWG



PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

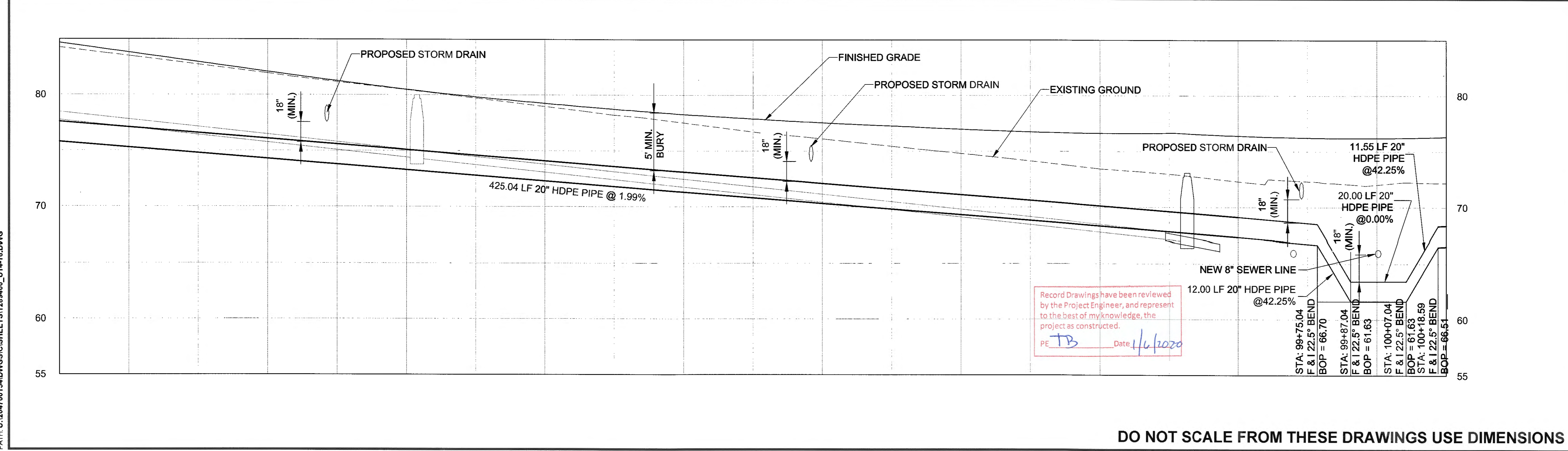
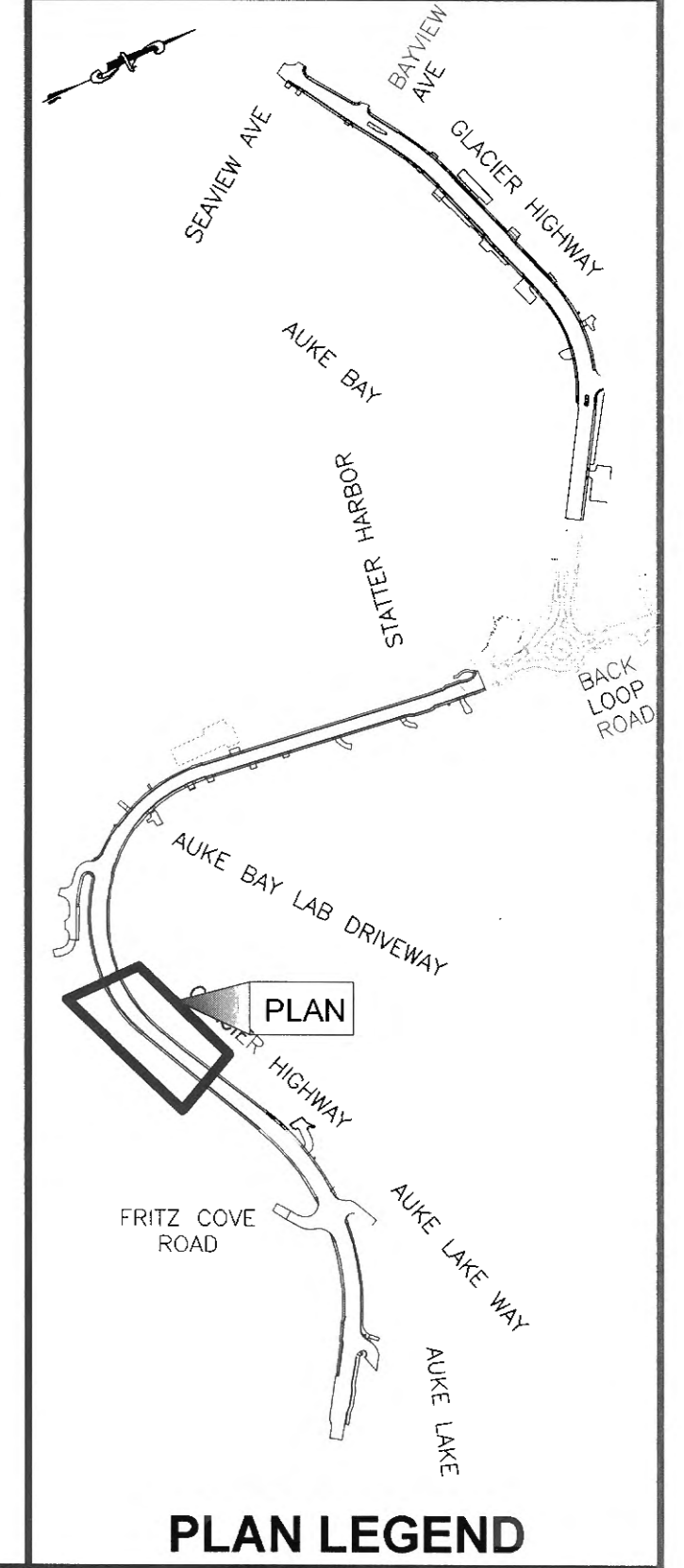
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: J. LIMB

DESIGNED BY: L. GALBRAITH

DRAWN BY: M. HIDALGO

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE**

**WATER PLAN &
PROFILE**

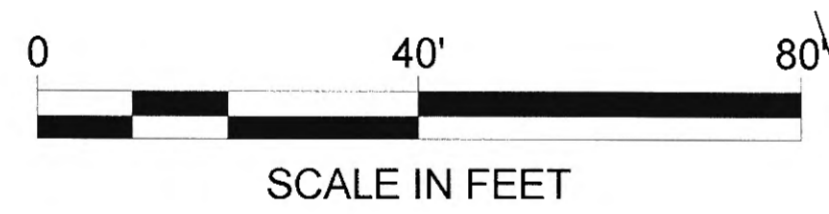
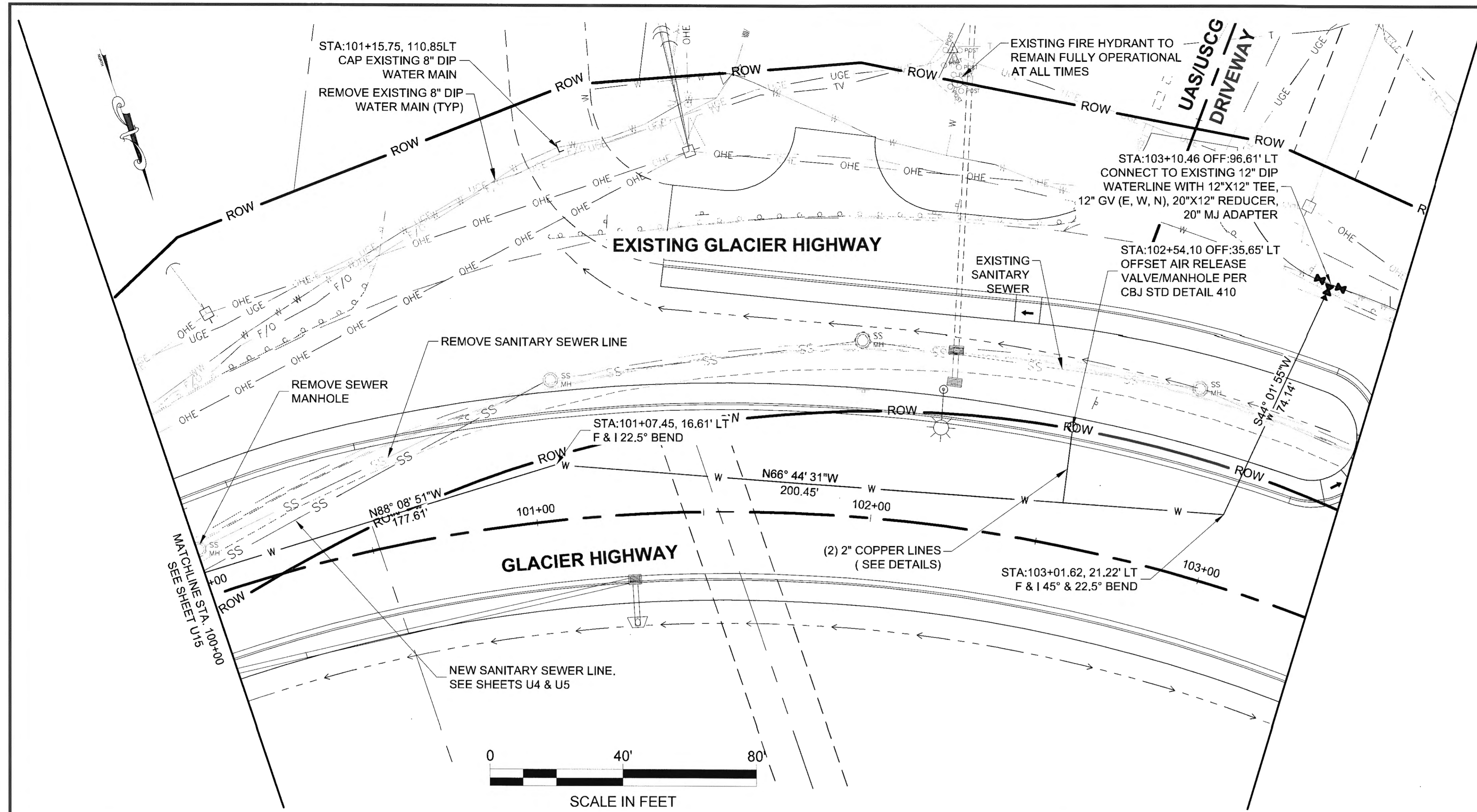
PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016

SHEET NUMBER	TOTAL SHEETS
U15	145

PATH: U:\204700154\DWGS\CIS\1289400_U14-16.DWG

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PLANS DEVELOPED BY:
STANTEC CONSULTING SERVICES, INC.
725 EAST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
907-276-4245
C.A. #126386

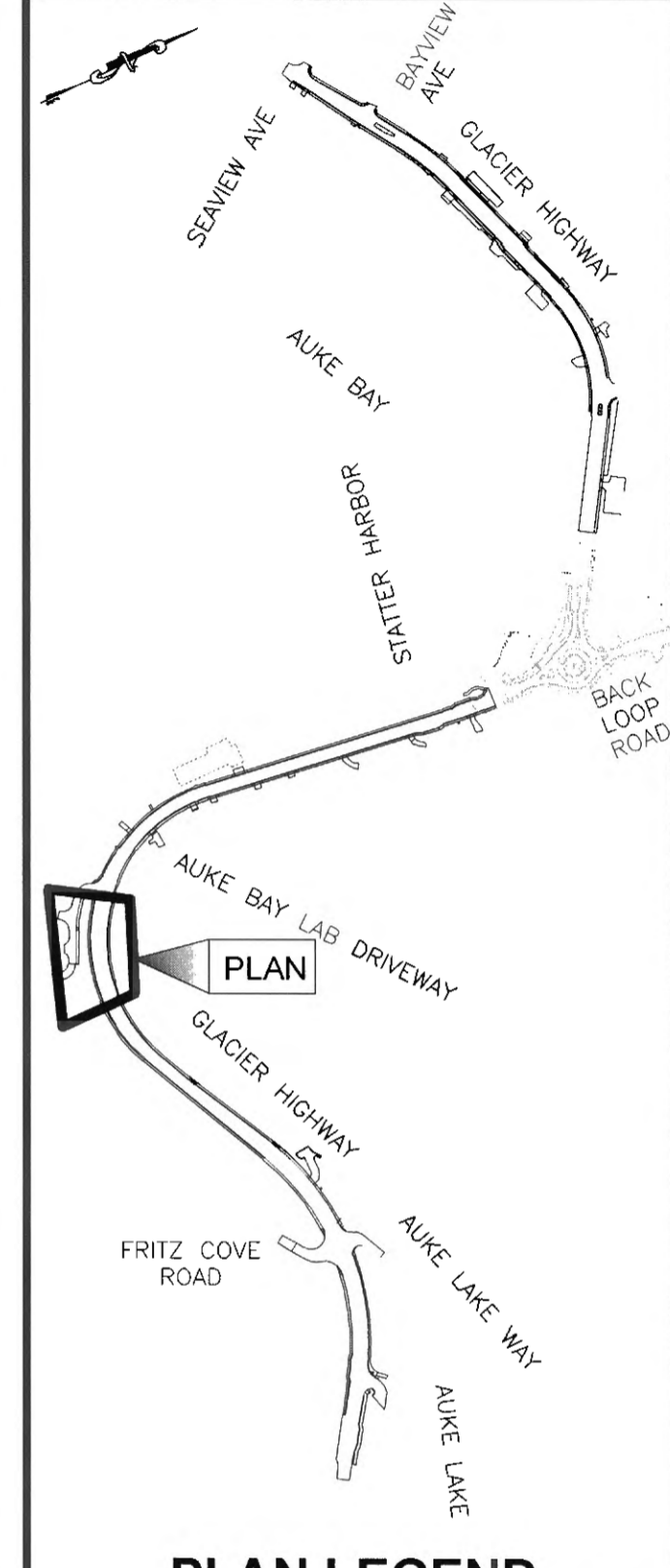
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: J. LIMB



DESIGNED BY: J. LIMB
DRAWN BY: M. HIDALGO

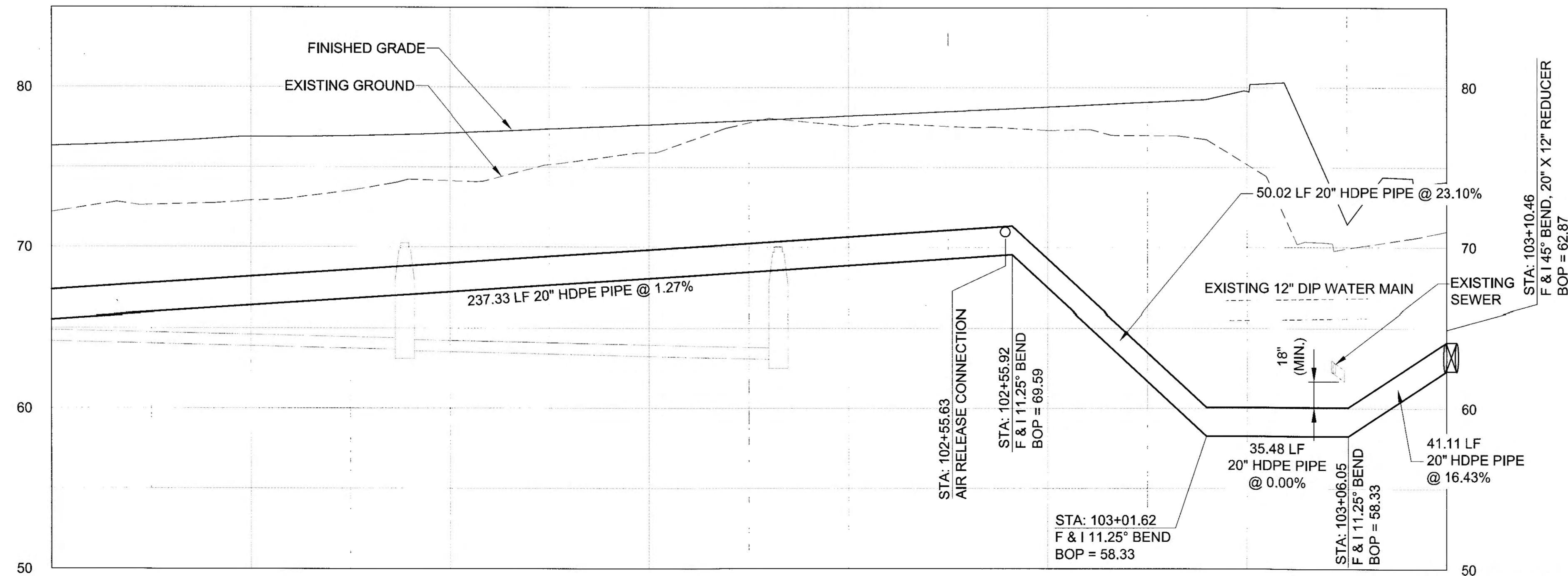
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**GLACIER HIGHWAY
RECONSTRUCTION
FRITZ COVE ROAD TO
SEAVIEW AVENUE**

**WATER PLAN &
PROFILE**

PROJECT DESIGNATION
0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U16	145



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *JL* Date *1/6/2016*

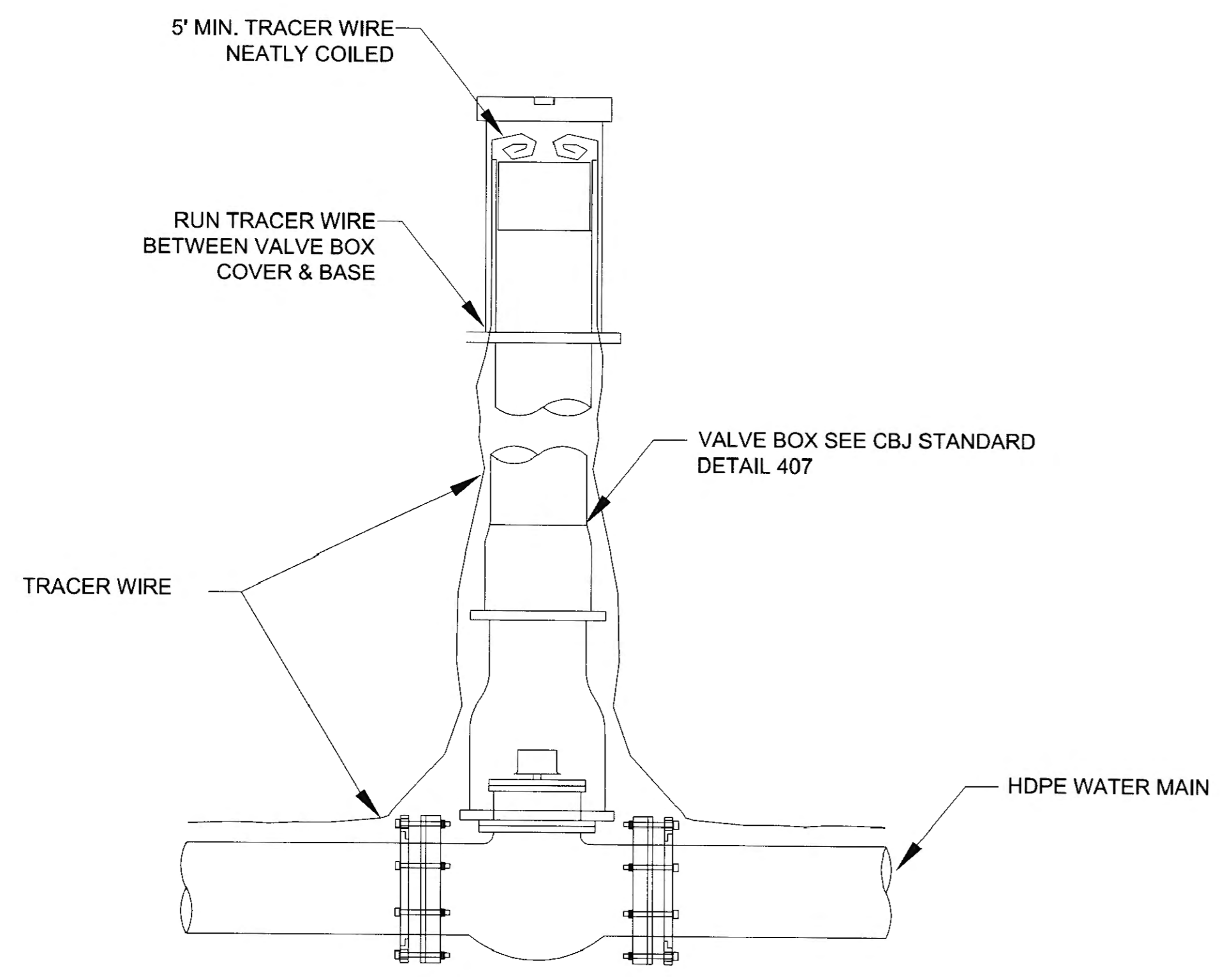
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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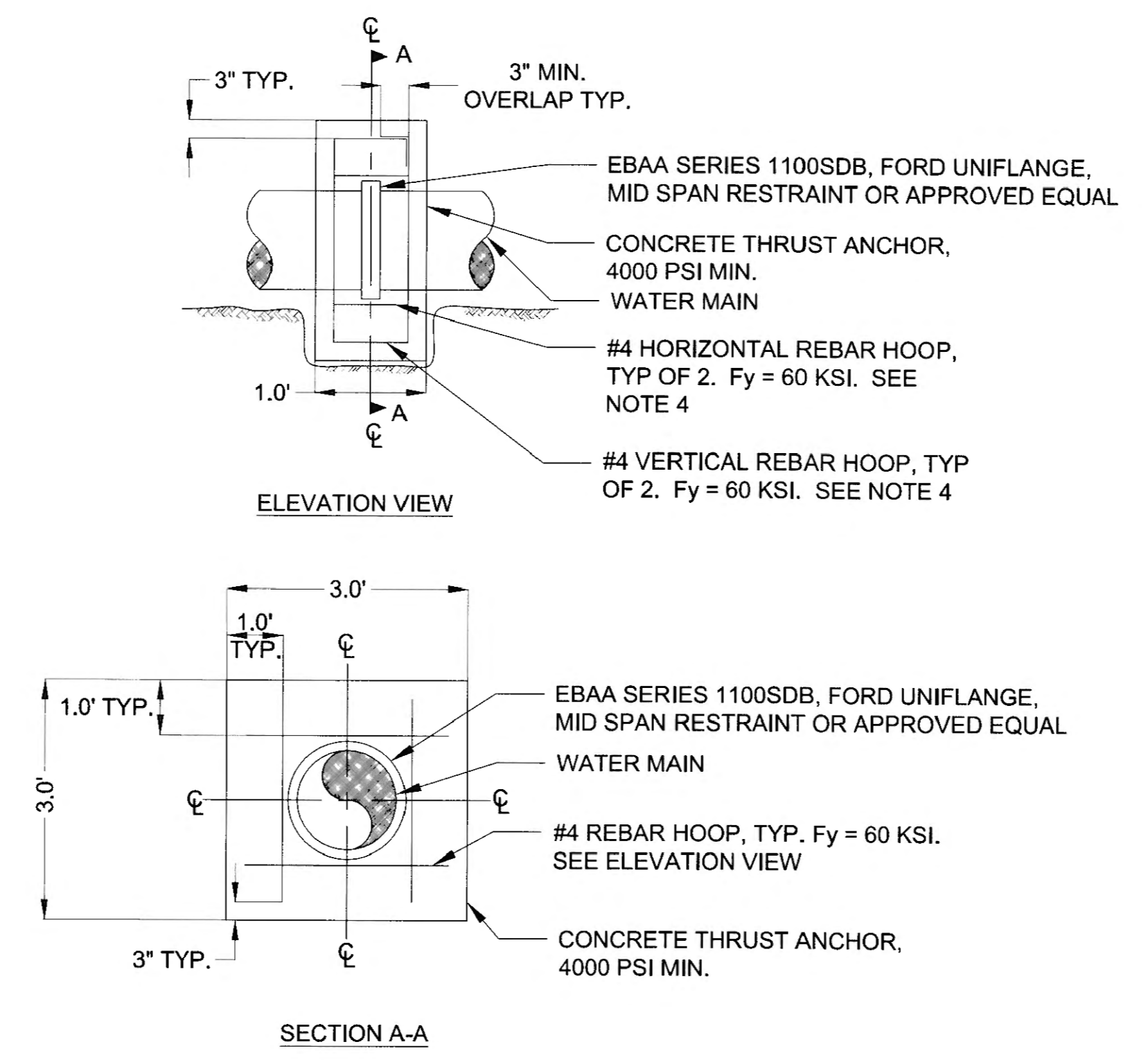
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

GLACIER HWY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE
 PROJECT NO. 68471
**WATERLINE RELOCATION
 DETAILS**

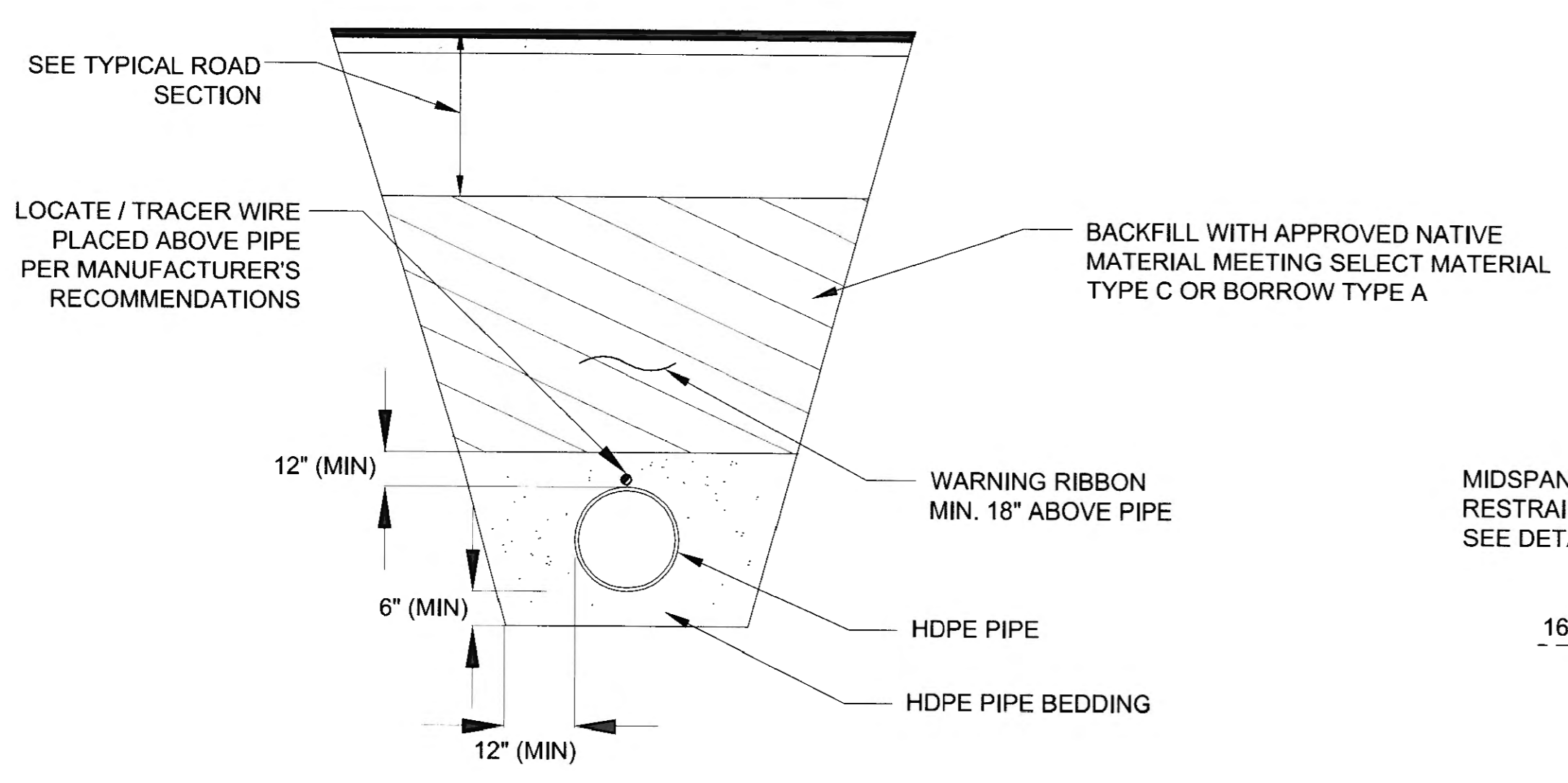


TRACER WIRE TERMINATION DETAIL

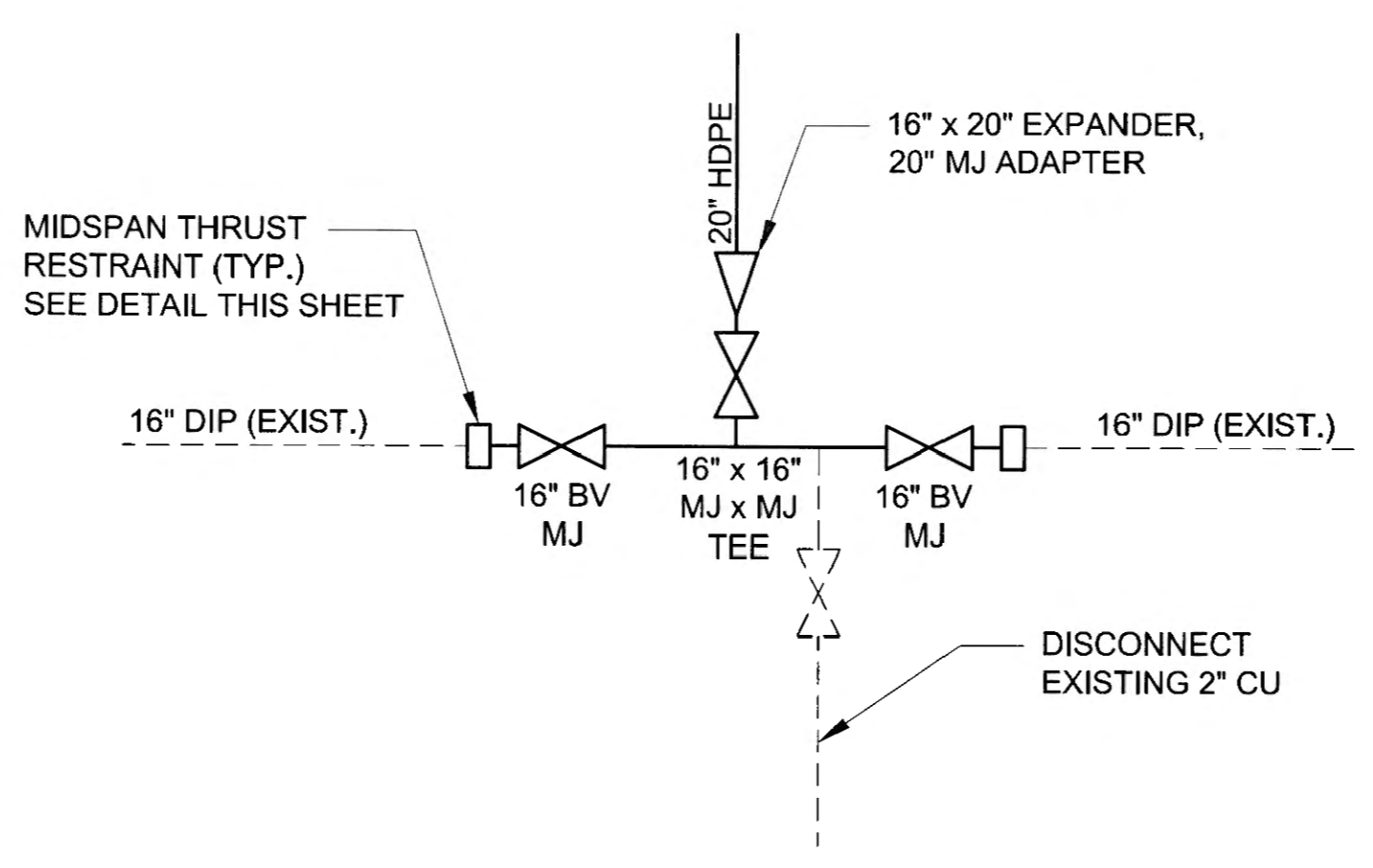


MIDSPAN THRUST BLOCK DETAIL

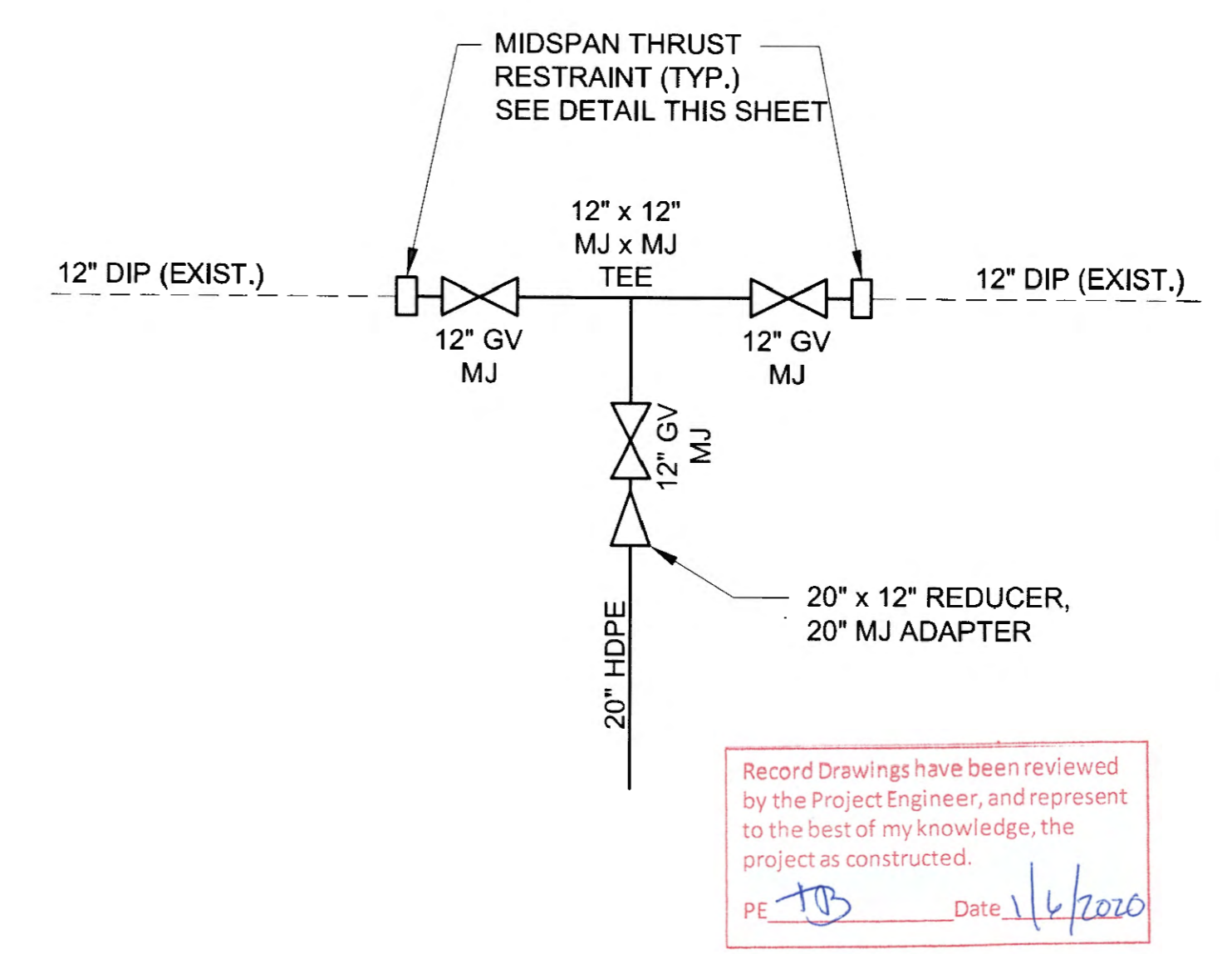
- MID SPAN THRUST ANCHOR NOTES:**
1. INSTALL MID SPAN THRUST ANCHOR TO PROVIDE TEMPORARY RESTRAINT TO THE END OF EXISTING WATER LINE MAIN.
 2. INSTALL EBAA SERIES 1100SDB, FORD UNIFLANGE, MID SPAN RESTRAINT PER MANUFACTURER'S INSTRUCTIONS.
 3. BACKFILL AROUND THRUST ANCHOR SHALL BE TYPE II-A CLASSIFIED FILL COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY.
 4. PROVIDE FOUR CONTINUOUS #4 REBAR HOOPS IN THRUST ANCHOR. PLACE HOOPS PARALLEL TO HORIZONTAL AND VERTICAL AXIS AROUND MID SPAN RESTRAINT.
 5. CONCRETE SHALL REACH 3000 PSI STRENGTH BEFORE PUTTING THRUST BLOCK ANCHOR INTO SERVICE.
 6. WHERE NEW PIPE IS USED, CONTRACTOR MAY CONSTRUCT THE THRUST BLOCK AND PIPE ASSEMBLY COMPLETE BEFORE INSTALLING INTO THE WATER SYSTEM.



TRACER WIRE AND RIBBON TRENCH DETAIL



STA. 91+30.11 CONNECTION



STA. 103+10.46 CONNECTION

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *JL* Date: 1/6/2020

PLAN LEGEND

CHECKED BY: J. LIMB

DESIGNED BY: J. LIMB
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOST REGION
 GLACIER HIGHWAY RECONSTRUCTION
 FRITZ COVE ROAD TO SEAVIEW AVENUE

**WATERLINE RELOCATION
 DETAILS**

PROJECT DESIGNATION

0933039/Z684710000

STATE	YEAR
ALASKA	2016
SHEET NUMBER	TOTAL SHEETS
U17	145

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS