

DATE: 2/24/2020 12:28 LAYOUT: A1
 FILE: C:\NGI\11_3D\Projects\2018\VA\70776-02\GIS\1153-CT-CV-LD-A-70776.dwg
 PLOTTED: 2/24/2020 12:28 LAYOUT: A1
 DESIGNED: HOBBS
 CHECKED: KILPATRICK
 DRAFTED: WESTJAL

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES



REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z676220000	2020	A1	A7
CDS ROUTE: 296400			MILEPOINT: 0.97 TO 1.54	
LATITUDE: N 58° 23' 12"			LONGITUDE: W 134° 34' 25"	
PLAN SET TOTAL			157	

PROPOSED HIGHWAY PROJECT

MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS

NANCY STREET TO BACK LOOP ROAD, PHASE I

PROJECT NO. Z676220000

GRADING, DRAINAGE, PAVING, SIGNING, STRIPING, ILLUMINATION & UTILITIES

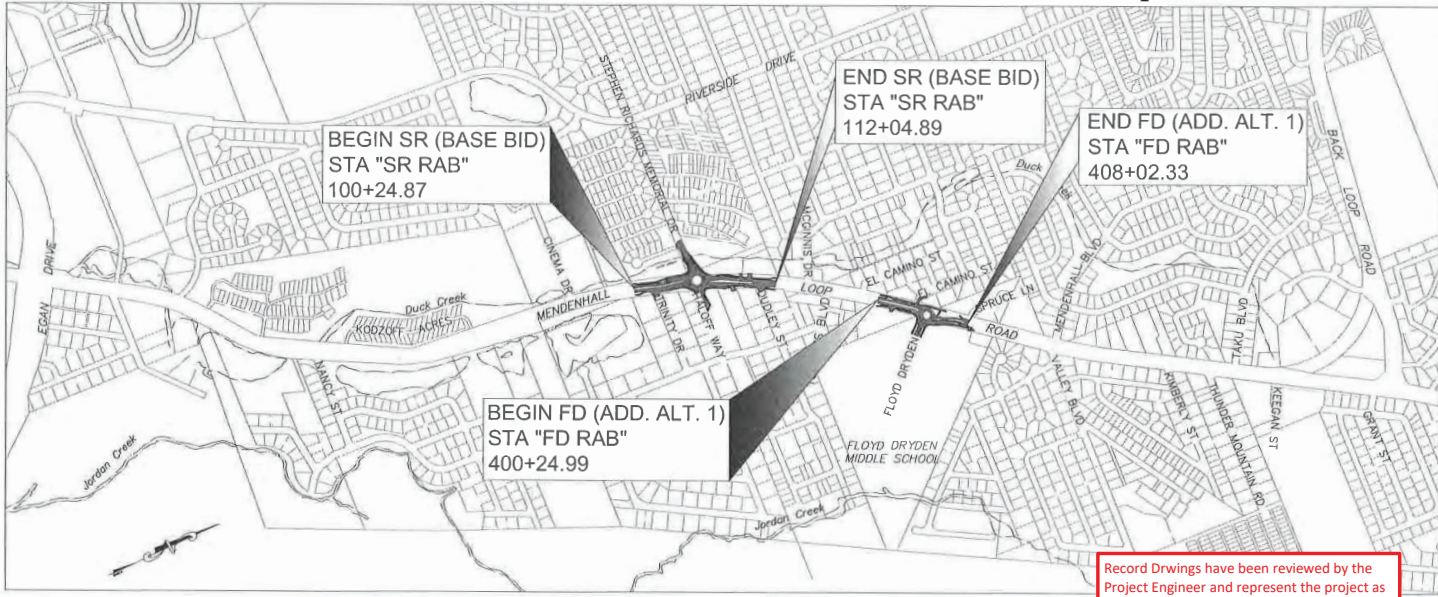
The undersigned hereby certifies that this duplicated document is an exact and true copy of the original.

Jessica Dinkale

Project Engineer: Tina Bergam
 Contractor: SECON
 Begin Work Date: May 19, 2020
 Ending Work Date: July 21, 2021

DESIGN DESIGNATIONS	
FUNCTIONAL CLASS	MINOR ARTERIAL
ADT (2016)	16,230
ADT (2030)	16,800
ADT (2040)	17,230
DHV EXISTING YEAR	1,970
DHV MID-LIFE YEAR (2030)	2,020
DHV DESIGN YEAR (2040)	2,070
PERCENT TRUCKS (T)	6.35%
DIRECTIONAL SPLIT (D)	55/45
DESIGN SPEED (V)	45 MPH
DESIGN ESAL'S (30 YEARS)	5,450,000

April 24, 2020



VICINITY MAP

PROJECT SUMMARY	
MENDENHALL LOOP ROAD MP 0.97 TO MP 1.54	
BASE BID	
WIDTH OF PAVEMENT	52-91 FEET
LENGTH OF GRADING	0.22 MILES
LENGTH OF PAVING	0.22 MILES
LENGTH OF PROJECT	0.22 MILES
ADD. ALT. 1	
WIDTH OF PAVEMENT	50-76 FEET
LENGTH OF GRADING	0.14 MILES
LENGTH OF PAVING	0.14 MILES
LENGTH OF PROJECT	0.14 MILES

USE THESE PLANS IN CONJUNCTION WITH THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2017 EDITION AND THE PROJECT SPECIAL PROVISIONS.

PLANS DEVELOPED BY: DOWL
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 907-780-3533 - #AECL848

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

APPROVED:

KIRK D. MILLER, P.E.
REGIONAL PRECONSTRUCTION ENGINEER

2/24/20

DATE

D. LANCE MARIG, P.E.
DIRECTOR, SOUTHCOAST REGION

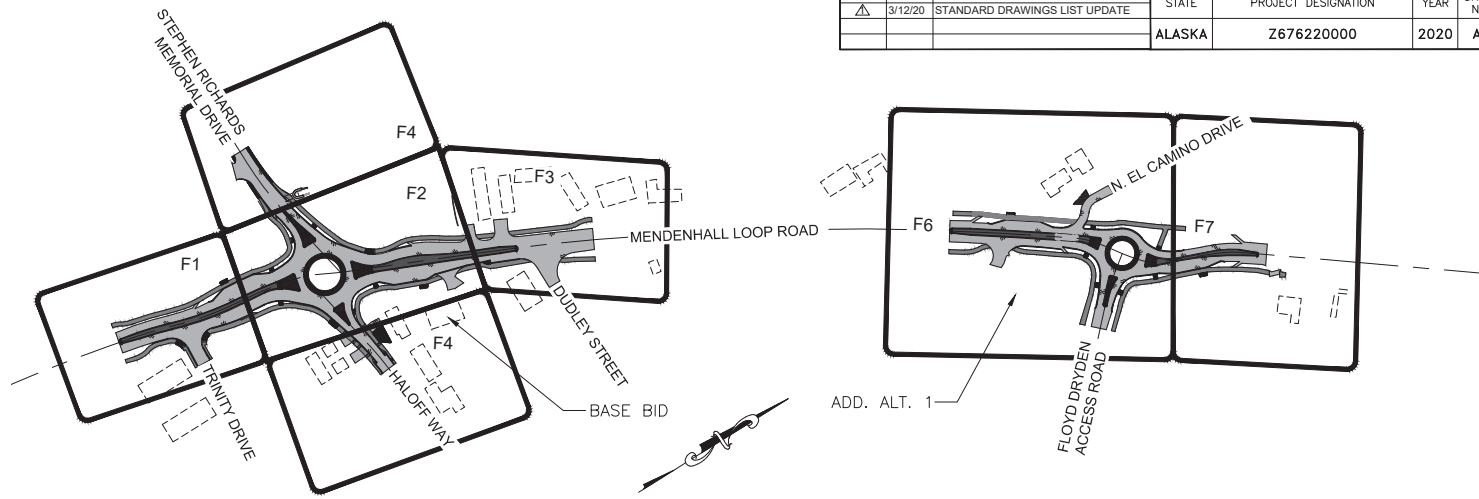
26 Feb 2020

DATE

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 2.2.23
 Signature Date

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
Δ	3/12/20	STANDARD DRAWINGS LIST UPDATE	ALASKA	Z676220000	2020	A2	A7

- GENERAL NOTES**
- ADJUST ALL SANITARY SEWER MANHOLES, FIRE HYDRANTS AND WATER VALVES TO MATCH PROPOSED GRADES OR RELOCATE OUTSIDE PROPOSED IMPROVEMENTS PER CBJ STANDARDS.
 - LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY. OBTAIN FIELD UTILITY LOCATES AND EXERCISING CAUTION DURING EXCAVATION.
 - EXISTING BUS SHELTER TO BE SALVAGED AND DELIVERED TO CBJ PUBLIC WORKS FACILITY AT 7 MILE. NEW BUS SHELTERS TO BE PROVIDED AND INSTALLED BY CBJ.
 - CLEARING AND GRUBBING LIMITS ARE FROM THE EDGE OF EXISTING PAVEMENT TO THE CUT/FILL LIMITS. ALL WORK MUST BE CONTAINED WITHIN RIGHT-OF-WAY OR TEMPORARY CONSTRUCTION EASEMENTS.



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	INDEX, SHEET LAYOUT, AND ABBREVIATIONS
A3	LEGEND AND SYMBOLS
A4-A7	SURVEY CONTROL
B1-B6	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES - BASE BID
C2	ESTIMATE OF QUANTITIES - ADD. ALT. 1
D1-D5	SUMMARY TABLES - BASE BID
D6-D9	SUMMARY TABLES - ADD. ALT. 1
E1-E6	DETAILS
F1-F4, F6-F7	PLAN
F5, F8	PROFILE
G1-G6	SR RAB MEDIANS, SWALES, & CURB RAMPS GRADING
G7-G12	SR RAB CURB RETURNS PLAN AND PROFILE
G13-G19	SR RAB PATHS PLAN AND PROFILE
G20-G23	FD RAB MEDIANS, SWALES, & CURB RAMPS GRADING (ADD. ALT. 1)
G24-G27	FD RAB CURB RETURNS PLAN AND PROFILE (ADD. ALT. 1)
G28-G31	FD RAB PATHS PLAN AND PROFILE (ADD. ALT. 1)
G32-G35	APPROACH GRADING
G36-G37	APPROACH GRADING (ADD. ALT. 1)
H1-H29	SIGNING AND STRIPING PLANS
J1-J21	ELECTRICAL
P1-P2	ESCP - STEPHEN RICHARDS RAB
P3-P4	ESCP - FLOYD DRYDEN RAB (ADD. ALT. 1)
Q1-Q4	STORM DRAIN SYSTEMS - STEPHEN RICHARDS RAB
Q5-Q6	STORM DRAIN SYSTEMS - FLOYD DRYDEN RAB (ADD. ALT. 1)
Q7-Q8	FISH PASSAGE
Q9	CHANNEL RECONSTRUCTION (ADD. ALT. 1)
Q10	SPECIAL DITCH/BIOSWALE
S1-S9	CONSTRUCTION PHASING
T1-T4	TRAFFIC CONTROL

ALIGNMENT DESIGNATIONS			
ALIGNMENT NAME	ABBREVIATION	SHEET	
STEPHEN RICHARDS ROUNDABOUT CENTERLINE	"SR RAB"	F1-F3	
STEPHEN RICHARDS MEMORIAL DRIVE CENTERLINE	"SR"	F4-F5	
HALOFF WAY CENTERLINE	"HW"	F4-F5	
FLOYD DRYDEN ROUNDABOUT CENTERLINE	"FD RAB"	F6-F8	
FLOYD DRYDEN ACCESS ROAD CENTERLINE	"FD"	F6, F8	
STEPHEN RICHARDS ROUNDABOUT, SOUTHWEST CURB	"SR RAB SW CURB"	G7-G9	
STEPHEN RICHARDS ROUNDABOUT, SOUTHWEST CURB	"SR RAB SE CURB"	G7-G9	
STEPHEN RICHARDS ROUNDABOUT, NORTHWEST CURB	"SR RAB NW CURB"	G8-G11	
STEPHEN RICHARDS ROUNDABOUT, NORTHEAST CURB	"SR RAB NE CURB"	G8-G11	
STEPHEN RICHARDS ROUNDABOUT, CENTER CIRCLE CURB	"SR RAB CIRCLE"	G8	
STEPHEN RICHARDS ROUNDABOUT, SOUTHWEST PATHWAY	"SR RAB SW PATH"	G13-G16	
STEPHEN RICHARDS ROUNDABOUT, SOUTHWEST PATHWAY	"SR RAB SE PATH"	G13-G16	
STEPHEN RICHARDS ROUNDABOUT, NORTHWEST PATHWAY	"SR RAB NW PATH"	G14-G16	
STEPHEN RICHARDS ROUNDABOUT, NORTHEAST PATHWAY	"SR RAB NE PATH"	G14-G16	
FLOYD DRYDEN ROUNDABOUT, WEST CURB	"FD RAB CURB WEST"	G24-G27	
FLOYD DRYDEN ROUNDABOUT, SOUTHEAST CURB	"FD RAB CURB SE"	G24-G27	
FLOYD DRYDEN ROUNDABOUT, NORTHEAST CURB	"FD RAB CURB NE"	G24-27	
FLOYD DRYDEN ROUNDABOUT, CENTER CIRCLE CURB	"FD RAB CIRCLE"	G24	
FLOYD DRYDEN ROUNDABOUT, SOUTHEAST PATHWAY	"FD RAB SE PATH"	G28-G31	
FLOYD DRYDEN ROUNDABOUT, NORTHEAST PATHWAY	"FD RAB NE PATH"	G28-G31	
FLOYD DRYDEN ROUNDABOUT, WEST PATHWAY	"FD RAB W PATH"	G28-G31	
TRINITY DRIVE	"TD"	G32	
PRIVATE DRIVE 2	"PD2"	G32	
PRIVATE DRIVE 3	"PD3"	G33	
PRIVATE DRIVE 4	"PD4"	G33	
DUDLEY STREET	"DS"	G34	
HALOFF WAY DRIVEWAY 1	"HD1"	G34	
HALOFF WAY DRIVEWAY 2	"HD2"	G35	
HALOFF WAY DRIVEWAY 2	"HD3"	G35	
CHANNICE COURT	"CC"	G36	
PRIVATE DRIVE 11	"PD11"	G36	
NORTH EL CAMINO STREET	"NECS"	G37	
NORTH EL CAMINO DRIVEWAY	"NECS DW"	G37	

ABBREVIATIONS		ABBREVIATIONS	
□	AT	EA	EACH
&	AND	EB	END BASELINE
ADA	AMERICANS WITH DISABILITIES ACT	EG	EXISTING GRADE
ADD.	ADDITIVE	EL	ELEVATION
ADT	AVERAGE DAILY TRAFFIC	EOP	END OF PROJECT
AFB	ACTUATED FLASHING BEACON	EEP	EDGE OF PAVEMENT
ALT.	ALTERNATE	EOTW	EDGE OF TRAVELED WAY
APPROX	APPROXIMATE	ESCP	EROSION SEDIMENT CONTROL PLAN
ATB	ASPHALT TREATED BASE	FG	FINAL GRADE
BB	BEGIN BASELINE	FL	FLOW LINE ELEVATION
BM	BENCH MARK	FT	FOOT OR FEET
BMPS	BEST MANAGEMENT PRACTICES	FG	FOOTING
BP	BEGINNING OF PROJECT	GAL	GALLONS
BVCE	BEGIN VERTICAL CURVE ELEVATION	GB	GRADE BREAK
BVCS	BEGIN VERTICAL CURVE STATION	HMA	HOT MIX ASPHALT
CBJ	CITY AND BOROUGH OF JUNEAU	IN	INCH
CC	CURB CUT	INV	INVERT
C&G	CURB AND GUTTER	J, JB	JUNCTION BOX
CL	CENTER LINE	JT	JOINT
CMP	CORRUGATED METAL PIPE	LB	POUNDS
CONC	CONCRETE	L	LENGTH
CONT	CONTINUOUS, CONTINUATION	LF	LINEAR FOOT
CPP	CORRUGATED POLYETHYLENE PIPE, TYPE S	LT	LEFT
CTE	CONNECT TO EXISTING	LVC	LENGTH OF VERTICAL CURVE
CY	CUBIC YARD	MAX	MAXIMUM
DET	DETAIL	MBM	1000 BOARD FEET
DHV	DESIGN HOURLY VOLUME	MTE	MATCH TO EXISTING
DIA	DIAMETER	MIN	MINIMUM
DOT&PF	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	MISC	MISCELLANEOUS
DT	DETECTABLE WARNING TILE	MLR	MENDENHALL LOOP ROAD
DWG	DRAWING	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
E	EAST	N	NORTH
		NO, □	NUMBER, NUMBERING
		NTS	NOT TO SCALE
		O.C./OC	ON CENTER
		OD	OUTSIDE DIAMETER
		OWS	OIL-WATER SEPARATOR
		PED	PEDESTRIAN
		PI	POINT OF INTERSECTION
		PC	POINT OF CURVATURE
		PT	POINT OF TANGENCY
		PRC	POINT OF REVERSE CURVE
		PVI	POINT OF VERTICAL INTERSECTION
		PVMT	PAVEMENT
		R, RAD	RADIUS
		RD	ROAD
		REQD	REQUIRED
		ROW, RW	RIGHT-OF-WAY
		RT	RIGHT
		S	SOUTH
		SH	SHEET
		SHLD	SHOULDER
		SPECS	SPECIFICATIONS
		STA	STATION
		STW	STORM WATER POLLUTION PROTECTION PLAN
		STD	STANDARD
		TBC	TOP BACK OF CURB
		TCE	TEMPORARY CONSTRUCTION EASEMENT
		TW	TOP OF WALL
		TYP	TYPICAL
		VBS	VEGETATED BUFFER STRIP
		VEG	VEGETATED
		VC	VERTICAL CURVE
		VGB	VALLEY GUTTER
		W	WEST
		WI	WIDTH

NOTE: BASE BID INCLUDES STEPHEN RICHARDS/HALOFF ROUNDABOUT. ADD. ALT. 1 INCLUDES FLOYD DRYDEN ROUNDABOUT.

THE FOLLOWING CBJ STANDARD DRAWINGS APPLY TO THIS PROJECT:

205	303	305	407
206A	304A	308	
203	304B		

THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THIS PROJECT:

C-04.12	D-01.02	D-22.01	F-01.03	I-20.20	M-13.01	S-00.11	S-30.04	T-20.04
C-05.20	D-04.21	D-23.01	F-03.02	I-21.11	M-16.01	S-01.01	S-31.01	T-21.03
	D-07.00	D-24.00		I-22.11		S-05.01		T-22.04
	D-09.00	D-26.04		I-81.00		S-20.10		T-31.00

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

Jim Bryan 2.2.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS

INDEX, SHEET LAYOUT, AND ABBREVIATIONS

FILE C:\G1\1_30_Projects\2019\2A_201976-02\G1\1\SC-CY-D-A-70776.dwg
 DATE 2/12/2020 LAYOUT A2
 PHONE (907) 760-3633 DESIGNED HOBBS
 CERTIFICATE OF AUTH #1 ALCB48 DRAFTED WESTHAL
 (907) 760-3633 CHECKED INGLE

FILE: C:\G1\11_30_Projects\2018\2A\20776-02\G1\11\SC-CV-LD-A-70776.dwg DATE: 2/13/2020 LAYOUT: A3
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 PHONE: (907) 760-3633 CHECKED: HOBBS
 CERTIFICATE OF AUTH. #1 AELB48 DRAFTED: WESTPHAL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	A3	A7

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

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

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
ROADWAY/PAVEMENT HATCH		
PATHWAY/PAVEMENT HATCH		
PATTERNED CONCRETE HATCH		
CURB CUT		
CONCRETE HATCH		
GRAVEL HATCH		
CURB NOSE		
FENCE		
CURB AND GUTTER		
DETECTABLE WARNINGS		
CULVERT PIPE		
SIGN		
WETLANDS		
EXISTING BUILDINGS		
POST OR BOLLARD		
WELL OR MONITORING WELL		
SEPTIC PIPE		
FUEL TANK FILL PIPE/VENT		
TEST HOLE		

	EXISTING	PROPOSED
FLASHING BEACON		
LUMINAIRE		

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

Jim Bengson 2.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS

LEGEND

DRAWING LOCATION: D:\proj\67622\WASH\BASEMAPS\CDD_4\Comp_S07_121418.dwg
 DATE, TIME: 2/11/2020 13:38
 LAYOUT: A4
 SCALE:
 ZREFS:
 DESIGNED: PARADISE
 CHECKED: J. BERGAM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	A4	A7

STEPHEN RICHARDS RAB DESIGN ALIGNMENT									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L1	84+94.47	508088.22	498476.42	418.66	N1° 40' 42"W	89+13.13			
C1	89+13.13	508506.71	498464.16			95+63.59	4300.00	650.46	8°40'01"
L2	95+63.59	509155.84	498494.27	72.45	N6° 59' 20"E	96+36.04			
C2	96+36.04	509227.76	498503.08			99+98.62	3600.00	362.58	5°46'14"
L3	99+98.62	509584.81	498565.23	76.22	N12° 45' 34"E	100+74.84			
C3	100+74.84	509659.15	498582.07			101+55.59	814.50	80.75	5°40'50"
C4	101+55.59	509736.78	498604.20			103+35.50	760.00	179.91	13°33'48"
C5	103+35.50	509912.37	498641.43			105+11.31	851.50	175.81	11°49'48"
L4	105+11.31	510084.58	498675.23	78.40	N27° 01' 00"E	105+89.71			
L5	105+89.71	510154.42	498710.84	372.09	N24° 03' 40"E	109+61.80			
C6	109+61.80	510494.18	498862.55			112+96.01	4600.00	334.22	4°09'46"
L6	112+96.01	510794.14	499009.77	251.61	N28° 13' 27"E	115+47.62			

COORDINATES LISTED ABOVE HOLD OVER DISTANCE AND BEARING

Centerline Monuments To Be Referenced & Replaced					
Point #	Northing	Easting	Description	Station	Offset
2	510082.89	498697.20	GPS_CL_MON_81+57.68POC	105+19.79	20.34R
1000	510604.19	498909.27	CL_MON_DOH	110+81.22	3.74L
1001	510969.68	499104.74	CL_MON_DOH	114+95.60	0.66R
1002	511106.83	499185.30	CL_MON_DOH	N/A	N/A
1028	509047.84	498484.68	CL_MON_DOH_INTRSCTN	94+55.15	2.26R
1346	510142.60	499241.31	BC2.5'_CL_MON&CASE_HALOFF WAY	107+95.19	489.19R
1347	510141.28	499195.33	BC2.5'_CLMON&CASE_HALOFF WAY	107+75.25	447.75R
1348	510142.85	499357.53	BC2.5'_CLMON&CASE_HALOFF WAY	108+42.81	595.22R
1351	510123.82	498910.21	BC2.5'_CL_MON&CASE	106+43.05	194.52R
1352	510127.15	498950.69	BC2.5'_CL_MON&CASE	106+62.59	230.12R

EXISTING CENTERLINE MONUMENTS IN THIS EXISTING CENTERLINE MONUMENT TABLE SHALL BE REFERENCED PRIOR TO DISTURBANCE FROM CONSTRUCTION AND REPLACED IN THEIR ORIGINAL HORIZONTAL POSITION AFTER CONSTRUCTION IS COMPLETED. A RECORD OF MONUMENT FORM IN ACCORDANCE WITH A.S.34.65.040 SHALL BE SUBMITTED TO DOT&PF PROJECT ENGINEER FOR REVIEW PRIOR TO RECORDING FOR EACH MONUMENT.

Survey Control Table						
Point #	Northing	Easting	Elevation	Description	Station	Offset
121	509052.33	498453.13	38.89	GPS_ALCAP2_5_SET	94+56.56	29.57L
122	510137.94	498679.52	43.14	GPS_ALCAP2_5_SET	105+60.80	20.42L
123	511007.77	499087.83	45.06	GPS_ALCAP2_5_SET	115+21.16	32.26L
129	509498.99	498577.35	39.83	ALCAP2*_DOT_SET	99+16.91	29.85R
130	510078.33	498308.06	41.25	ALCAP2*_DOT_SET	104+31.10	354.61L
131	510107.78	499038.06	40.58	ALCAP2*_DOT_SET	106+80.53	317.79R

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
1316	509555.09	498855.34	IP2*_No_Cap	100+33.70	289.51R
1317	510151.43	498949.35	ALCAP2*_L1A/ROW/7331-S	106+84.22	219.00R
1318	510155.86	498871.27	REBAR	106+56.43	145.90R
1319	510398.21	498881.42	ALCAP1.5" No Marks	108+81.86	56.36R
1320	510572.54	498609.38	MAG/WASH_JW BEAN	109+30.13	263.12L
1322	509392.58	498469.82	3.5"ALCAP_L11TR_CIS1564/RW1410-S	97+93.17	56.56L
1325	510759.29	498609.64	BC3.25" _BLM_S3144_S2435C2_S2544IC2	110+91.19	340.98L
1329	509941.22	499209.18	BC3"S2377L1C3_TNA	105+98.21	541.96R
1342	509791.56	499183.97	REBAR_NO_CAP	102+94.26	553.18R
1343	509791.51	499318.94	SPINHOLE_REBAR_NO_CAP	103+04.46	686.87R
1344	509806.64	499333.93	REBAR_NO_CAP	103+13.29	699.85R
1345	509941.60	499333.99	REBAR_NO_CAP	106+49.45	655.77R
1349	510248.62	499357.61	PLASCAP_FND	109+39.42	552.16R
1350	510367.78	498668.85	SURV_SPIKE/WASH	108+48.95	57.29R
1353	510249.27	499048.86	PLASCAP_1410S	108+14.13	269.98R
1354	510268.09	499363.53	PLASCAP_KIRSHNER	109+59.61	549.63R
1355	510392.92	499381.18	PLASCAP_KIRSHNER	110+95.75	513.12R
1356	510398.85	499381.33	PLASCAP_KIRSHNER	111+01.83	510.68R
1357	510399.27	499441.34	ALCAP3.25" _ROW/L8B_5713-S	111+32.04	564.43R
1358	510398.41	499269.86	PLASCAP_BEAN	110+48.12	410.23R
1359	510490.21	498791.42	IP2*_NO CAP	109+29.18	63.33L
1363	510963.88	499033.85	PLASCAP_DOWL_7712S	114+56.96	59.06L
1364	510757.88	498921.06	BC3*_1644SIGVC_TNA	112+23.09	61.61L

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

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

Jim Bergam 2.2.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 Glacier Highway, Juneau, AK 99801
(907) 463-1763

MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS

SURVEY CONTROL

DRAWING LOCATION: C:\Users\7822\OneDrive\Documents\CAD\Loop 503_121118.dwg
 DATE: 2/7/2020 13:38
 TIME: 13:38
 LAYOUT: A5
 SCALE: 3/8"=1'-0"
 XREFS:

MONUMENT NOTES:

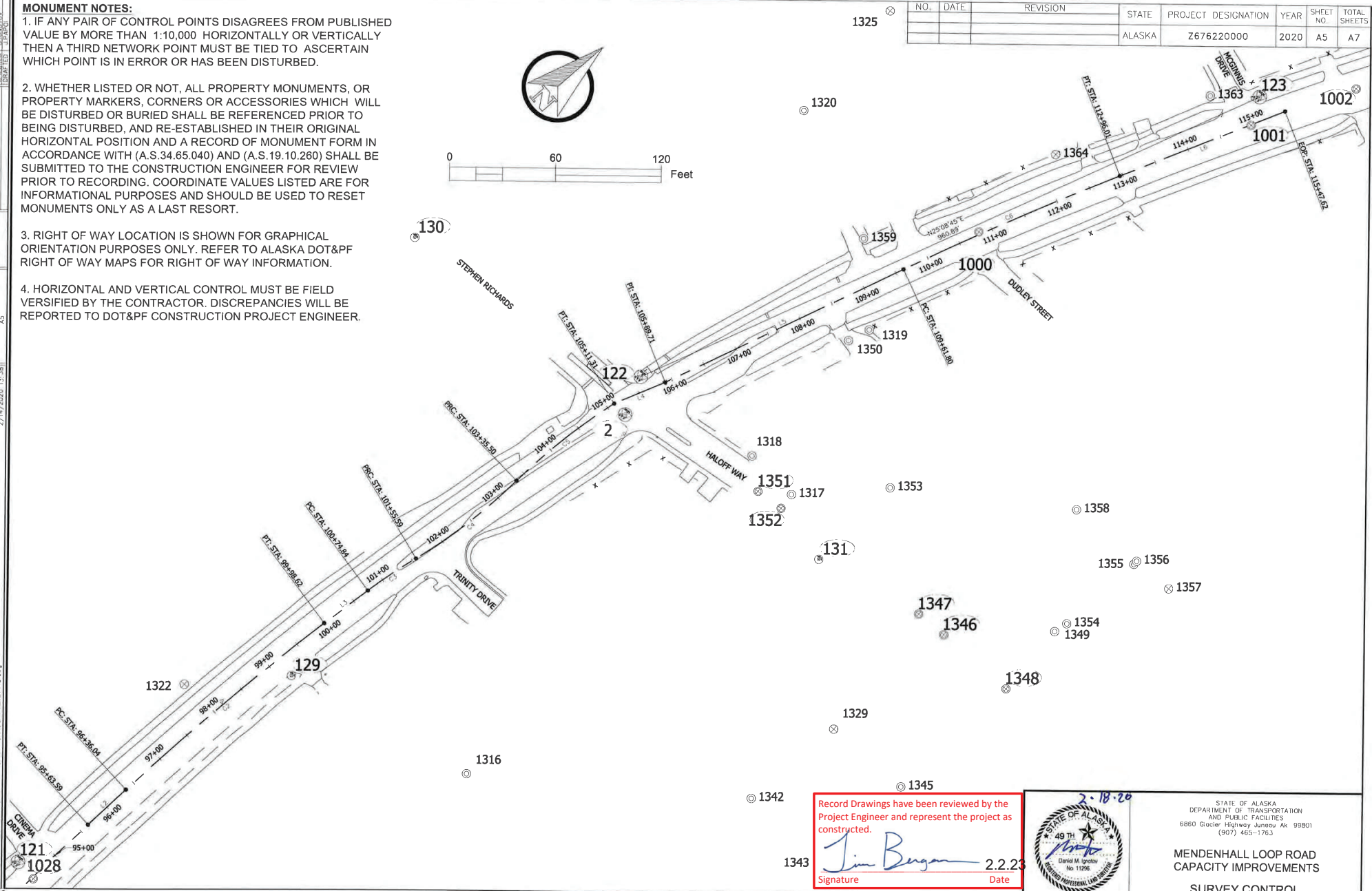
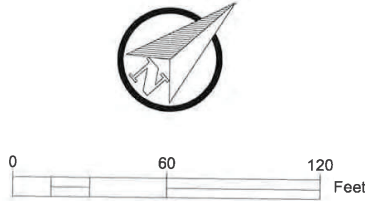
1. IF ANY PAIR OF CONTROL POINTS DISAGREES FROM PUBLISHED VALUE BY MORE THAN 1:10,000 HORIZONTALLY OR VERTICALLY THEN A THIRD NETWORK POINT MUST BE TIED TO ASCERTAIN WHICH POINT IS IN ERROR OR HAS BEEN DISTURBED.

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

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

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

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	A5	A7



Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergan 2.2.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 6860 Glacier Highway Juneau Ak 99801
 (907) 465-1763
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 SURVEY CONTROL

DRAWING LOCATION: C:\Users\jburgan\OneDrive\Documents\Projects\2020\2714\2020_13_38\2714\2020_13_38.dwg
 DATE TIME LAYOUT AS: 2/14/2020 1:13:38
 SCALE: AS
 SHEET NO.: 13 OF 13
 SHEET TITLE: SURVEY CONTROL

FLOYD DRYDEN RAB DESIGN ALIGNMENT									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L7	395+07.07	511015.83	499128.76	209.26	N31° 33' 13"E	397+16.33			
L8	397+16.33	511194.15	499238.27	111.46	N31° 33' 13"E	398+27.79			
C7	398+27.79	511289.14	499296.60			399+13.52	2000.00	85.73	2°27'21"
L9	399+13.52	511381.21	499343.01	111.46	N34° 00' 35"E	400+24.99			
C8	400+24.99	511453.60	499405.36			402+52.34	7200.00	227.36	1°48'33"
L10	402+52.34	511640.03	499535.48	82.13	N36° 12' 57"E	403+34.47			
C9	403+34.47	511706.29	499584.00			403+71.90	125.00	37.43	17°09'20"
L11	403+71.90	511732.75	499610.28	111.78	N53° 22' 16"E	404+83.68			
C10	404+83.68	511799.45	499699.98			405+49.44	125.00	65.76	30°08'25"
L12	405+49.44	511850.46	499740.27	127.00	S23° 13' 51"W	406+76.44			
C11	406+76.44	511967.16	499790.36			407+48.18	300.00	71.74	13°42'05"
L13	407+48.18	512029.09	499826.24	598.68	N36° 55' 57"E	413+46.86			

COORDINATES LISTED ABOVE HOLD OVER DISTANCE AND BEARING

Centerline Monuments To Be Referenced & Replaced					
Point #	Northing	Easting	Description	Station	Offset
8	512689.94	500320.82	GPS_CL_MON_112+43.93	N/A	N/A
1003	511364.43	499346.03	CL_MON_DOH	399+17.88	0.69R
1004	511731.62	499601.20	CL_MON_DOH	403+64.22	4.75L
1005	511809.34	499659.34	CL_MON_DOH	404+56.97	32.18L
1006	512680.98	500314.62	CL_MON_DOH	N/A	N/A

EXISTING CENTERLINE MONUMENTS IN THIS EXISTING CENTERLINE MONUMENT TABLE SHALL BE REFERENCED PRIOR TO DISTURBANCE FROM CONSTRUCTION AND REPLACED IN THEIR ORIGINAL HORIZONTAL POSITION AFTER CONSTRUCTION IS COMPLETED. A RECORD OF MONUMENT FORM IN ACCORDANCE WITH A.S.34.65.040 SHALL BE SUBMITTED TO DOT&PF PROJECT ENGINEER FOR REVIEW PRIOR TO RECORDING FOR EACH MONUMENT.

Survey Control Table						
Point #	Northing	Easting	Elevation	Description	Station	Offset
124	511743.28	499555.97	47.02	GPS_ALCAP2.5_SET	403+44.25	44.99L
125	512146.66	499874.45	47.04	GPS_ALCAP2.5_SET	408+71.12	32.11L
126	512741.26	500318.91	50.60	GPS_ALCAP2.5_SET	N/A	N/A
132	511351.67	499298.21	46.03	ALCAP2_DOT_SET	398+81.08	32.08L
133	511619.78	499883.49	46.44	ALCAP2_DOT_SET	404+96.86	255.79R

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.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	A6	A7

Existing Property					
Point #	Northing	Easting	Description	Station	Offset
1007	512453.91	500223.73	ROW_POST_CONC6"X6"W/CU TACK	413+26.60	62.47R
1008	512751.48	500434.81	ROW_POST_CONC6"X6"W/CU TACK	N/A	N/A
1040	512639.58	499667.49	BC2.5"_S1779/C5-S3144/C2-L2/C1-L3	411+40.78	493.72L
1041	512476.35	499823.40	PLASCAP_BEAN	411+03.99	271.01L
1042	512078.49	499640.99	BC2.5"_C4-S3144/L2-S2084/WC-C5-S2544	407+03.41	183.12L
1216	512669.41	500379.63	REBAR_BENT_SHOT_AT_BASE	N/A	N/A
1307	512674.85	500028.90	PLASCAP_BEAN	N/A	N/A
1308	512787.70	500108.09	PLASCAP_BEAN	N/A	N/A
1315	512055.82	499922.67	REBAR_BENT_SPINHOLE	408+27.49	61.02R
1327	511554.21	499549.03	REBAR	401+90.16	60.94R
1328	512078.45	499128.70	BC2.5"_GLO_S3441/C3_S2544/C4	403+39.95	587.90L
1334	511556.68	499668.68	PLASCAP_JW BEAN	402+63.79	156.71R
1335	511433.30	499667.67	PLASCAP_JW BEAN	401+59.12	227.59R
1337	511429.10	499579.65	PLASCAP_JW BEAN	401+03.89	157.76R
1338	511349.12	499483.36	REBAR	399+82.00	123.10R
1339	511501.49	499568.06	PLASCAP_JW BEAN	401+57.66	106.88R

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

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

Jim Bergan 2.2.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6850 Glacier Highway, Juneau, AK 99801
(907) 485-1763

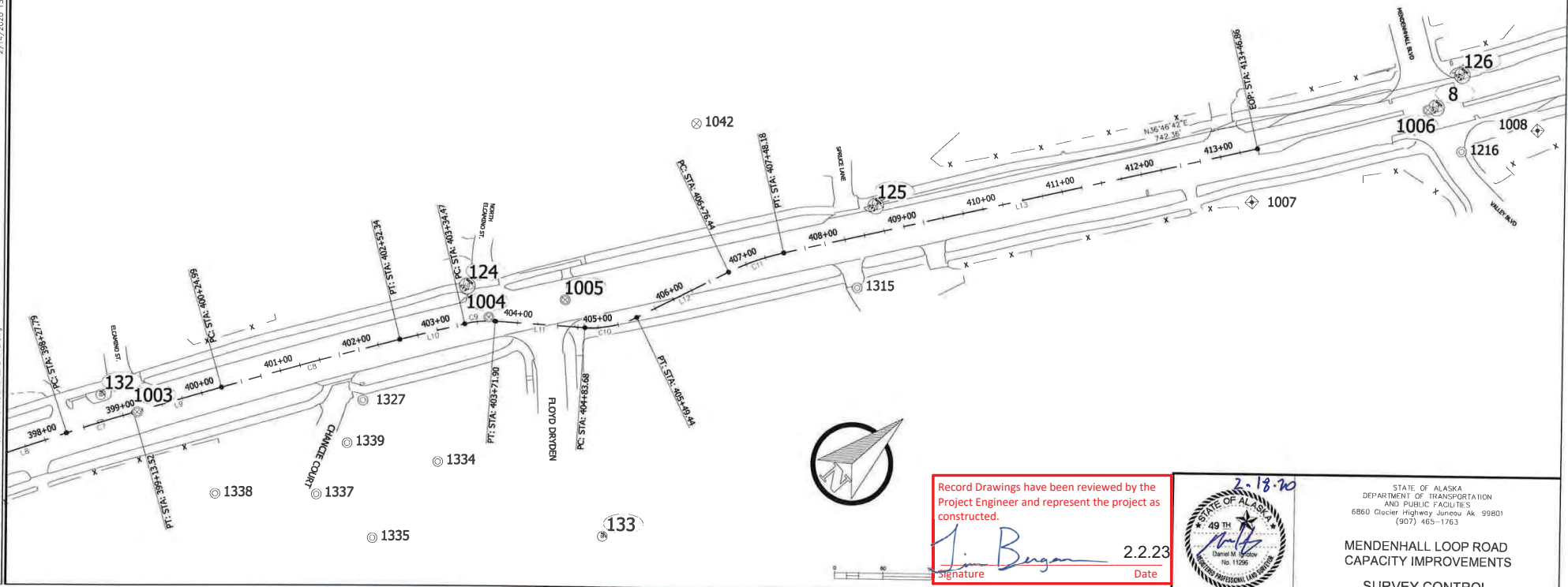
MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS
SURVEY CONTROL

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 TIME: 13:39
 SCALE: A7
 LAYOUT: A7
 DESIGNED: J. BARR
 CHECKED: J. BARR
 DATE: 1/21/2020
 PLOTTED: 1/21/2020
 PLOTTER: HP DesignJet T1200

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	A7	A7

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

Jim Bergan 2.2.23
 signature Date



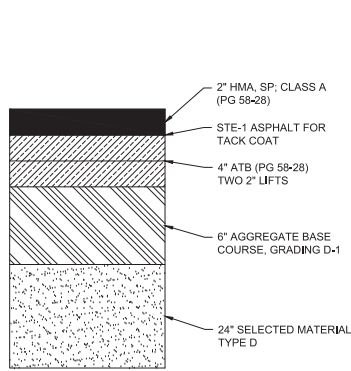
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 6860 Glacier Highway Juneau Ak 99801
 (907) 465-1763

MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS

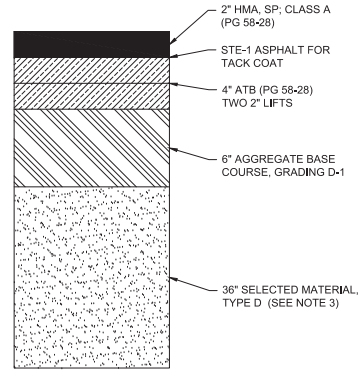
SURVEY CONTROL

CERTIFICATE OF AUTHORITY # 1 AECUB48
 DRAFTED WESTPHAL
 CHECKED INGBLE
 DESIGNED HOBBS
 PHONE (907) 760-3633
 0905 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT [8]
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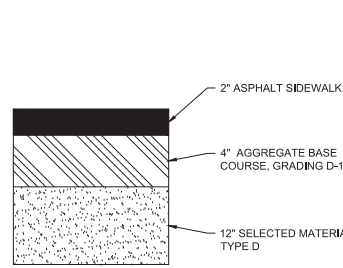
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	B1	B6



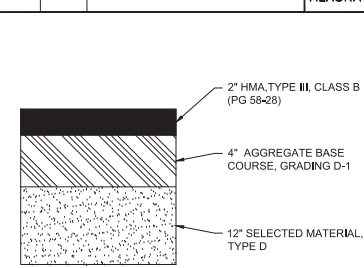
SECTION "A"
ROADWAYS
NTS



SECTION "A2"
ROADWAY
STA "FD RAB" 407+12 TO STA "FD RAB" 408+02
NTS



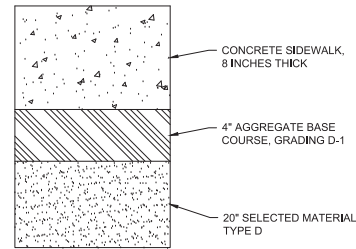
SECTION "B"
ASPHALT PATHWAYS
NTS



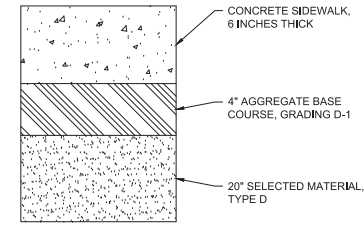
SECTION "C"
ASPHALT MEDIANS & PAVED APPROACHES
NTS

NOTES

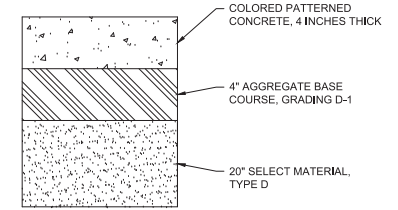
- IN CUT OR FILL AREAS WITHIN THE EXISTING ROAD BED, EXISTING SUBGRADE CAN BE LEFT IN PLACE AND REUSED, ADD SELECTED MATERIAL, TYPE D, AS NEEDED TO MEET GRADES.
- IN FILL AREAS OUTSIDE THE EXISTING ROAD BED, CONTRACTOR SHALL USE SELECTED MATERIAL, TYPE D.
- OVEREXCAVATED MATERIAL AT FLOYD DRYDEN (STRUCTURAL DETAIL "A2") SHOULD BE REPLACED AS SELECTED MATERIAL, TYPE D, AT A 4H:1V TAPER TO THE PAVEMENT SECTION TO REDUCE DIFFERENTIAL FROST MOVEMENT.



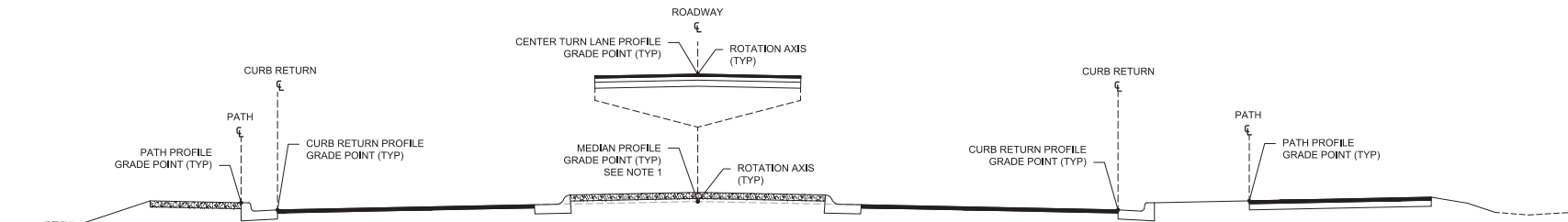
SECTION "D"
ROUNDABOUT TRUCK APRONS
NTS



SECTION "E"
BUS SHELTER PADS & SIDEWALKS
NTS



SECTION "F"
CONCRETE MEDIANS
NTS



TYPICAL PROFILE GRADE POINT LOCATIONS
NTS

NOTES

- PROFILE GRADE POINT OF MEDIANS EQUALS THE EXTENSION OF THE TOP OF ASPHALT OF THE DRIVING SURFACE TO THE ALIGNMENT CENTERLINE.
- SEE G-SHEETS FOR PATH AND CURB RETURN ALIGNMENTS AND PROFILES. PROFILE GRADE POINTS OF PATHS ARE ON THE INSIDE EDGE OF PAVEMENT. PROFILE GRADE POINTS OF CURB RETURNS ARE AT EDGE OF ASPHALT.

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

Jim Bergan 2.2.23
Signature Date



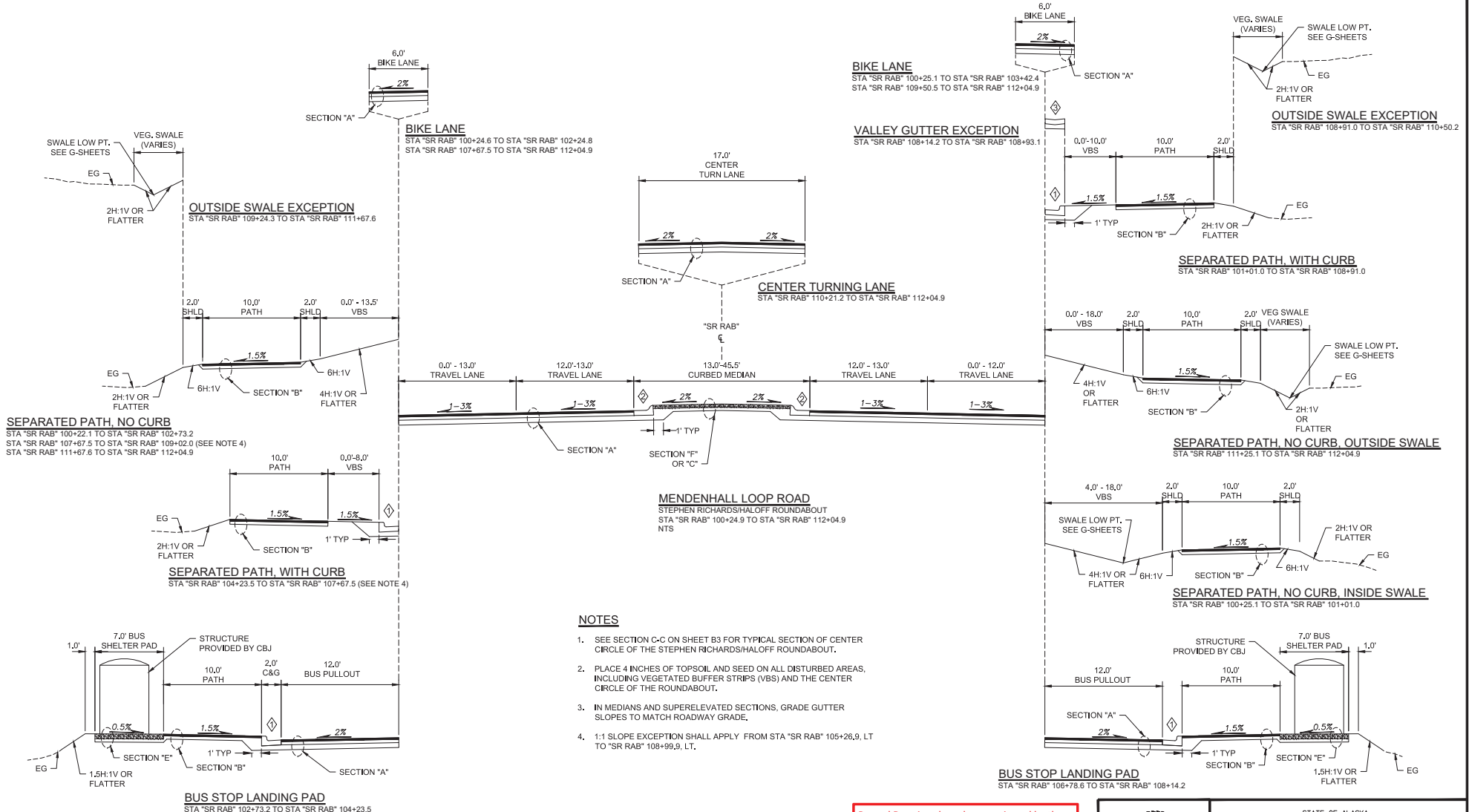
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

STRUCTURAL SECTIONS

9065 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 CERTIFICATE OF AUTH # | AECUB48
 DRAFTED WESTPINAL
 DESIGNED HOBBS
 CHECKED INBLE
 DATE 2/13/2020 | LAYOUT | R2
 FILE C:\CVI\11_30_Projects\2019\2A\20776-02\CVI\11\SC-C1-TS-B-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	B2	B6



NOTES

- SEE SECTION C-C ON SHEET B3 FOR TYPICAL SECTION OF CENTER CIRCLE OF THE STEPHEN RICHARDS/HALOFF ROUNDABOUT.
- PLACE 4 INCHES OF TOPSOIL AND SEED ON ALL DISTURBED AREAS, INCLUDING VEGETATED BUFFER STRIPS (VBS) AND THE CENTER CIRCLE OF THE ROUNDABOUT.
- IN MEDIANS AND SUPERELEVATED SECTIONS, GRADE GUTTER SLOPES TO MATCH ROADWAY GRADE.
- 1:1 SLOPE EXCEPTION SHALL APPLY FROM STA "SR RAB" 105+26.9, LT TO "SR RAB" 108+99.9, LT.

CURB LEGEND

- 1. STANDARD CURB & GUTTER
- 2. MOUNTABLE CURB & GUTTER
- 3. VALLEY GUTTER

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

Jim Bergman 2.2.23
 Signature Date



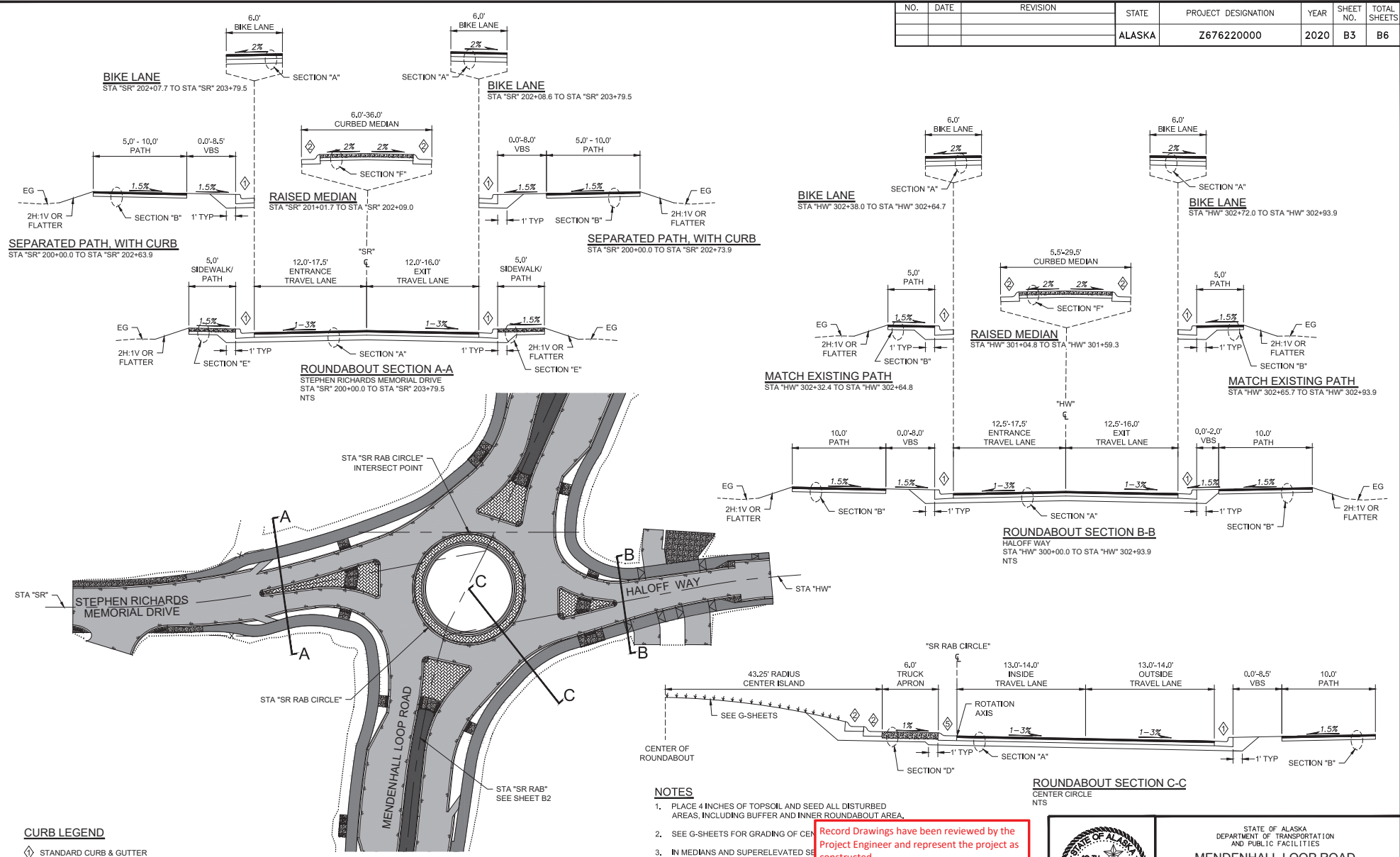
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

STEPHEN RICHARDS ROUNDABOUT
 TYPICAL SECTIONS

CERTIFICATE OF AUTHORITY # J AECUB48
 DRAFTED WESTPHAL
 CHECKED INGLE
 DESIGNED HOBBS
 PHONE (907) 760-3633
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT [B3]
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	B3	B6



- CURB LEGEND**
- ◇ STANDARD CURB & GUTTER
 - ◇ MOUNTABLE CURB & GUTTER
 - ◇ TRUCK APRON CURB & GUTTER

STEPHEN RICHARDS MEMORIAL DRIVE / HALOFF WAY ROUNDABOUT
NTS

NOTES

1. PLACE 4 INCHES OF TOPSOIL AND SEED ALL DISTURBED AREAS, INCLUDING BUFFER AND INNER ROUNDABOUT AREA.
2. SEE G-SHEETS FOR GRADING OF CENTER ISLAND.
3. IN MEDIANS AND SUPERELEVATED SECTIONS, SLOPES TO MATCH ROADWAY GRADE.

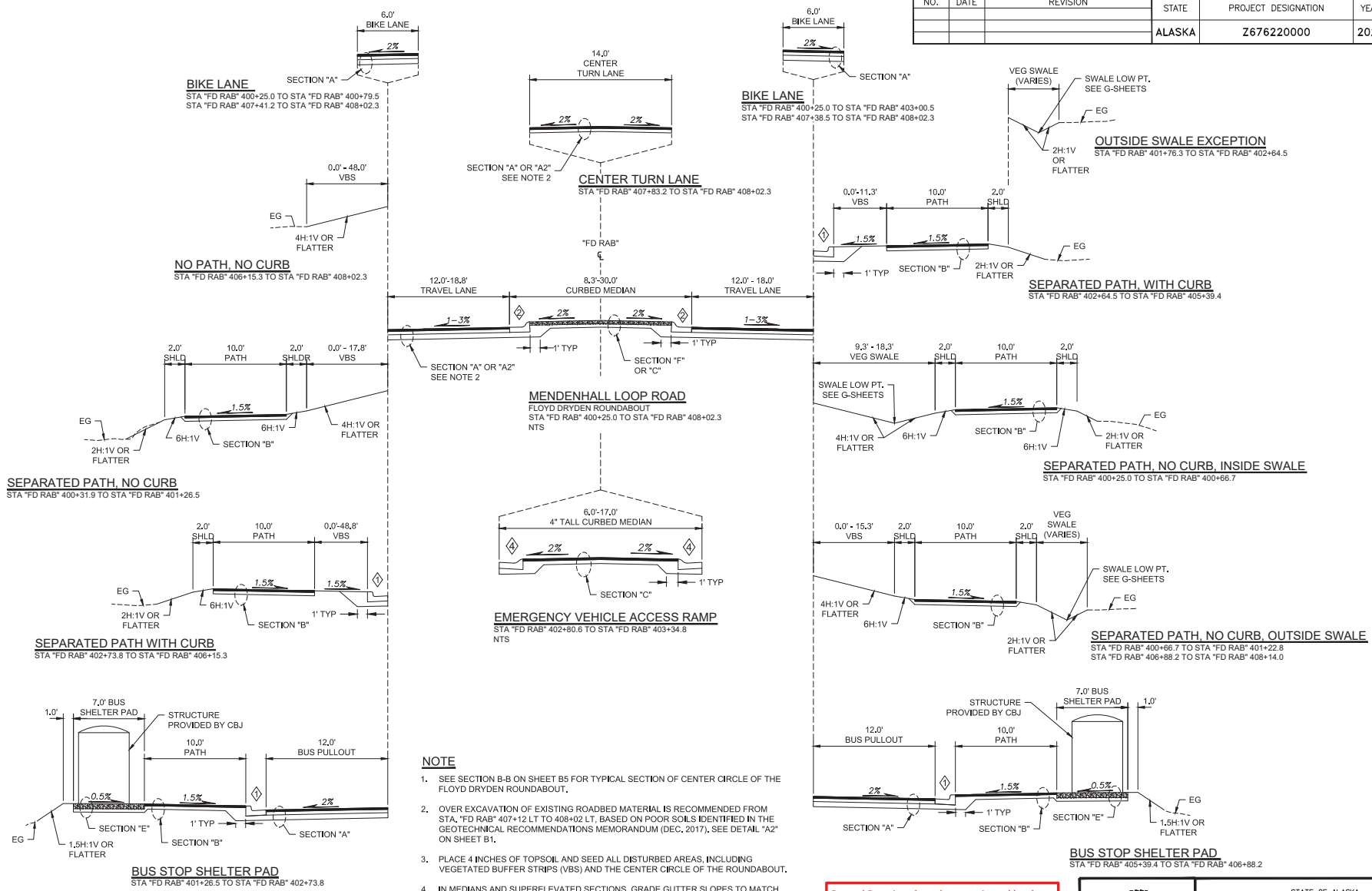
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergan 2.23
 Signature Date




STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 TYPICAL SECTIONS

CERTIFICATE OF AUTH # J AEC048
 DRAFTED WESTPAL
 CHECKED INBLE
 DESIGNED HORBS
 PHONE (907) 760-3633
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT B4
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	B4	B6



- NOTE**
- SEE SECTION B-B ON SHEET B5 FOR TYPICAL SECTION OF CENTER CIRCLE OF THE FLOYD DRYDEN ROUNDABOUT.
 - OVER EXCAVATION OF EXISTING ROADBED MATERIAL IS RECOMMENDED FROM STA. "FD RAB" 407+12 LT TO 408+02 LT, BASED ON POOR SOILS IDENTIFIED IN THE GEOTECHNICAL RECOMMENDATIONS MEMORANDUM (DEC, 2017), SEE DETAIL "A2" ON SHEET B1.
 - PLACE 4 INCHES OF TOPSOIL AND SEED ALL DISTURBED AREAS, INCLUDING VEGETATED BUFFER STRIPS (VBS) AND THE CENTER CIRCLE OF THE ROUNDABOUT.
 - IN MEDIANS AND SUPERELEVATED SECTIONS, GRADE GUTTER SLOPES TO MATCH ROADWAY GRADE.

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

 signature Date 2.2.23

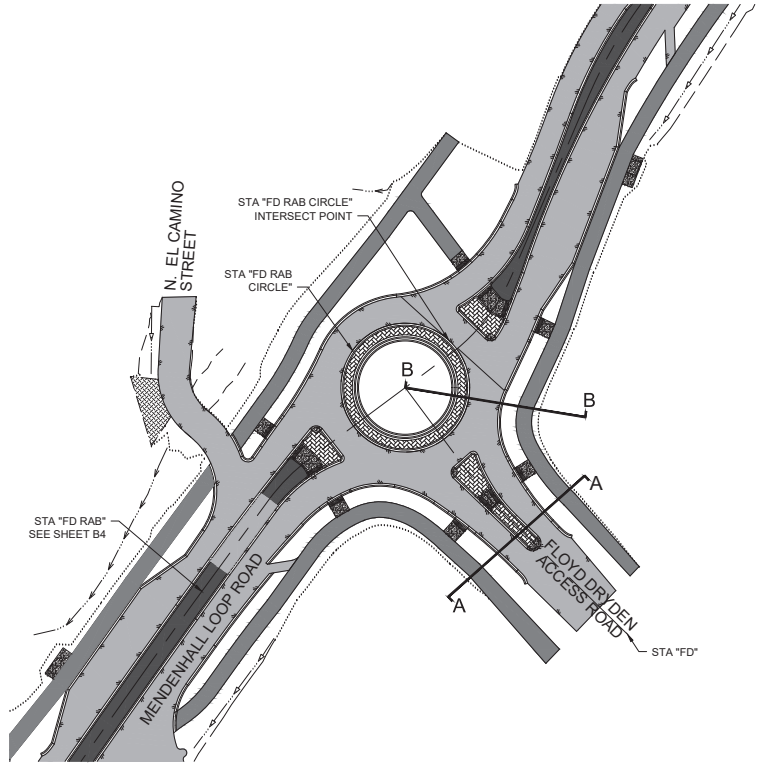
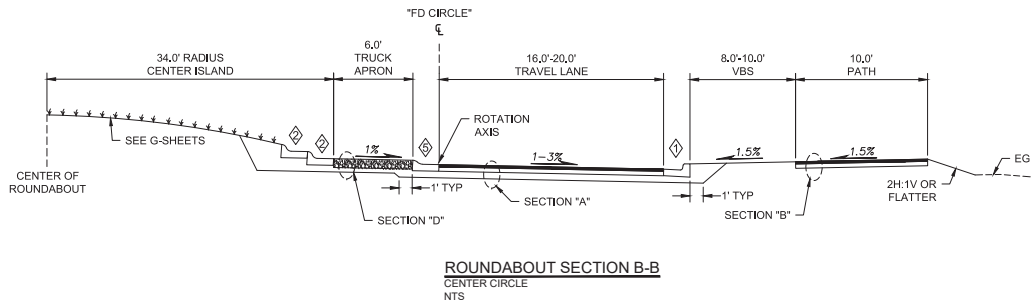
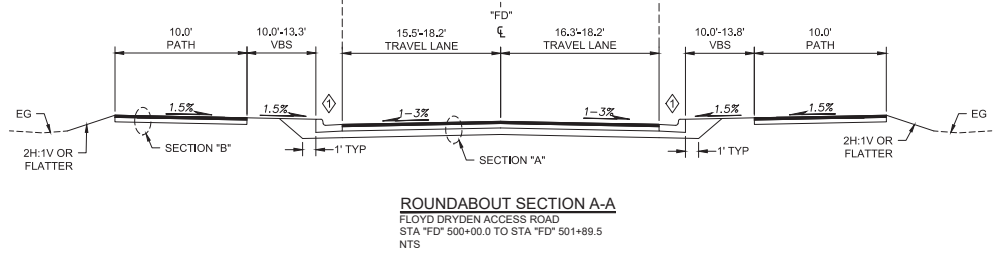
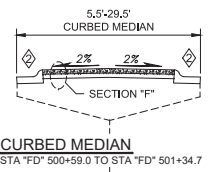
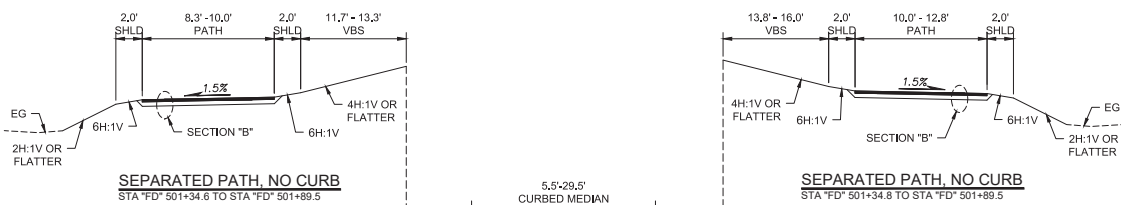


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT**
 TYPICAL SECTIONS
 (ADD. ALT. 1)

- CURB LEGEND**
- ◊ STANDARD CURB & GUTTER
 - ◊ MOUNTABLE CURB & GUTTER
 - ◊ 4-INCH MOUNTABLE CURB & GUTTER

CERTIFICATE OF AUTH #1 AELCB48
 DRAFTED WESTPHAL
 CHECKED INGBLE
 DESIGNED HORRIS
 PHONE (907) 760-3633
 9045 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 | LAYOUT | RS
 FILE C:\CVI\11_30_Projects\102010\2A\10776-02\CVI\11\SC-C1-TS-B-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	B5	B6



- CURB LEGEND**
- ◇ STANDARD CURB & GUTTER
 - ◇ MOUNTABLE CURB & GUTTER
 - ◇ TRUCK APRON CURB & GUTTER

NOTES

1. PLACE 4 INCHES OF TOPSOIL AND 6 AREAS, INCLUDING BUFFER AND IN
2. SEE G-SHEETS FOR GRADING OF CE
3. IN MEDIANS AND SUPERELEVATED SLOPES TO MATCH ROADWAY GRA

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

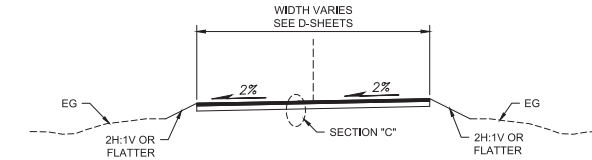
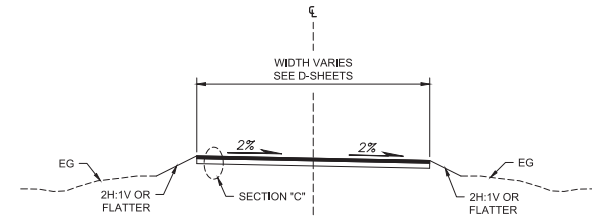
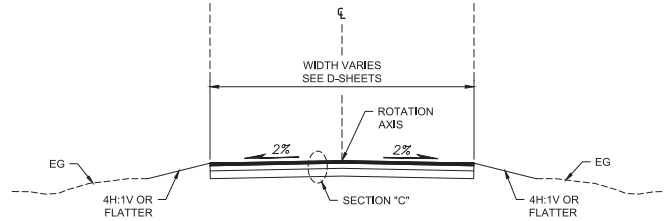
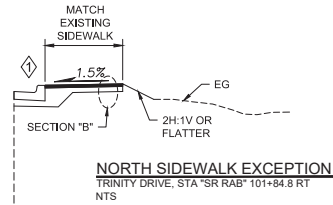
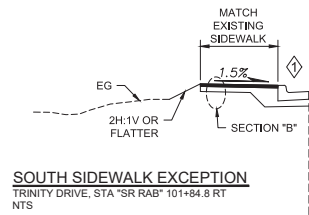
 Signature Date 2.2.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 TYPICAL SECTIONS
 (ADD. ALT. 1)**

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORRIS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # | AECUB48
 DATE 2/13/2020 | LAYOUT | B6
 FILE C:\CVI\11_30_Projects\2019\2A\20776-02\CVI11\SC-C1-TS-B-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	B6	B6



NOTE

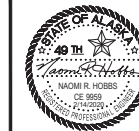
- SEE SHEETS G32-G37 FOR APPROACH AND DRIVEWAY GRADING DETAILS.

CURB LEGEND

◇ STANDARD CURB & GUTTER

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

Jim Bergan 2.2.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 APPROACH
 TYPICAL SECTIONS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
Δ		REMOVE ITEM 408.2010.0001	ALASKA	Z676220000	2020	C1	C2

FILE C:\G1\1_30_Projects\182018\2A\20176-202\G1\1\SSC-C1-01-c-70776.dwg
 DATE 2/13/2020 LAYOUT C1
 9085 GLACIER HIGHWAY - JINEAU, AK 99801 DESIGNED HORRIS
 PHONE (907) 760-3633 CHECKED INGLE
 DRAFTED WESTHAL
 CERTIFICATE OF AUTH #1 ALCU848

ITEM NO.	SSHC 2017 ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
BASE BID - STEPHEN RICHARDS ROUNDABOUT				
201.0003.0000	201.3A	CLEARING AND GRUBBING	ACRE	4.4 1,356
201.2001.0000	201.7	INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL	SQUARE YARD	60.7 116.8
202.0001.0000	202.1	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED 20,000
202.0002.0000	202.2	REMOVAL OF PAVEMENT	SQUARE YARD	19,505 14,691
202.0003.0000	202.3	REMOVAL OF SIDEWALK	SQUARE YARD	321 341.10
202.0004.0000	202.4	REMOVAL OF CULVERT PIPE	LINEAR FOOT	706 719.20
202.0008.0000	202.8	REMOVAL OF INLET	EACH	3
202.0009.0000	202.9	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	2,664 2645.70
202.0010.0000	202.10	SINGLE MAIL BOX INSTALLATION	EACH	4
203.0003.0000	203.3	UNCLASSIFIED EXCAVATION	CUBIC YARD	2,900 1267.30
203.0006.0000	203.6D	BORROW, TYPE D	TON	12,400 16,583
203.2008.0000		SPECIAL DITCH/BIOSWALE	LINEAR FOOT	75 74.42
301.0001.0001	301.1	AGGREGATE BASE COURSE, GRADING D-1	TON	4,700 6,368
306.0001.0000	306.1	ATB	TON	2,200 2165
306.0002.5828	306.2	ASPHALT BINDER, GRADE PG 58-28	TON	110 99.85
401.0001.003B	401.1A	HMA, TYPE III-CLASS B	TON	350 329.31
401.0004.5828	401.4	ASPHALT BINDER, GRADE PG 58-28	TON	24 15.807
402.0001.STE1	402.1	STE-1 ASPHALT FOR TACK COAT	TON	8 6.020
408.2001.000A	408.1A	HMA, SP-TYPE A	TON	1,400 1198.28
408.2004.5828	408.4	ASPHALT BINDER, GRADE PG 58-28	TON	66 56.409
408.2008.000A	408.8A	HMA PRICE ADJUSTMENT, SP-TYPE A	CONTINGENT SUM	ALL REQUIRED
408.2009.0000	408.9	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
603.0021.0012	603.21-12	CORRUGATED POLYETHYLENE PIPE 12 INCH	LINEAR FOOT	94 144.80
603.0021.0018	603.21-18	CORRUGATED POLYETHYLENE PIPE 18 INCH	LINEAR FOOT	1,919 1823.10
604.0001.0001	604.1A	STORM SEWER MANHOLE, TYPE I	EACH	14
604.0003.0000	604.3	RECONSTRUCT EXISTING MANHOLE	EACH	6 4
604.0004.0000	604.4	ADJUST EXISTING MANHOLE	EACH	2 1
604.0005.000A	604.5	INLET, TYPE A	EACH	4 3
604.0010.0000		RECONSTRUCT INLET	EACH	3 3
604.0012.0000		REPLACE INLET FRAME AND GRATE	EACH	4 2
604.0016.0000		ADJUST INLET FRAME AND GRATE	EACH	1
604.2002.0000		OIL WATER SEPARATOR TYPE II	EACH	2
607.0003.0000	607.3	CHAIN LINK FENCE	LINEAR FOOT	88 83.50
607.0004.0000	607.4	RECONSTRUCTED FENCE	LINEAR FOOT	20 0
608.0001.0006	608.1B	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	246 490.07
608.0003.0000	608.3	ASPHALT SIDEWALK	SQUARE YARD	2,930 3053.0
608.0006.0000	608.6	CURB RAMP	EACH	19 19
608.2013.0005	608.9	CONCRETE SLABS, COLORED & PATTERN IMPRINTED, 4 INCHES THICK	SQUARE YARD	380 377.15
608.2027.0000	608.1C	CONCRETE SIDEWALK, 8 INCHES THICK	SQUARE YARD	194 195.34
609.0002.0001	609.2	CURB AND GUTTER, TYPE 1	LINEAR FOOT	5,061 5642.60
615.0001.0000	615.1	STANDARD SIGN	SQUARE FOOT	500
615.0002.0000	615.2	REMOVE AND RELOCATE SIGN	EACH	6 611.50
615.0006.0000	615.6	SALVAGE SIGN	EACH	18
618.0002.0000	618.2	SEEDING	POUND	55 15
618.0003.0000	618.3	WATER FOR SEEDING	M. GAL	38 NA
620.0001.0000	620.1	TOPSOIL	SQUARE YARD	4,202 1353.6
627.0010.0000	627.10	ADJUSTMENT OF VALVE BOX	EACH	4 6
628.2002.0000		FISH PASSAGE, STEPHEN RICHARDS MEMORIAL DRIVE	LUMP SUM	ALL-REQUIRED \$90,000
635.0001.0000	635.1	INSULATION BOARD	MBM	1
639.2000.0000	639.3	APPROACH	EACH	12
640.0001.0000	640.1	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL-REQUIRED \$678,000
641.0001.0000	641.1	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL-REQUIRED \$6,000
641.0003.0000	641.3	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL-REQUIRED \$30,000

ITEM NO.	SSHC 2017 ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
641.0005.0000	641.5	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL-REQUIRED \$2,000
641.0006.0000	641.6	WITHHOLDING	CONTINGENT SUM	ALL-REQUIRED
641.0007.0000	641.7	SWPPP MANAGER	LUMP SUM	ALL-REQUIRED \$120,000
642.0001.0000	642.1	CONSTRUCTION SURVEYING	LUMP SUM	ALL-REQUIRED \$250,000
642.0003.0000	642.3	THREE PERSON SURVEY PARTY	HOUR	265 n/a
642.0004.0000	642.4	SET PRIMARY MONUMENT	EACH	10 3
642.0005.0000	642.5	SET SECONDARY MONUMENT	EACH	23 4
642.0010.0000	642.10	MONUMENT CASE	EACH	10 3
643.0002.0000	643.2	TRAFFIC MAINTENANCE	LUMP SUM	ALL-REQUIRED \$500,000
643.0003.0000	643.3	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL-REQUIRED \$35,000
643.0023.0000	643.23	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL-REQUIRED
643.0025.0000	643.25	TRAFFIC CONTROL	CONTINGENT SUM	ALL-REQUIRED \$189,944
643.0032.0000	643.15	FLAGGING	CONTINGENT SUM	ALL-REQUIRED \$35,685
643.2005.0000	643.33	PUBLIC INFORMATION PROGRAM	LUMP SUM	ALL-REQUIRED \$90,000
643.2023.0000		SHUTTLE, STEPHENS RICHARDS	DAY	120
644.0002.0000	644.2	FIELD LABORATORY	LUMP SUM	ALL-REQUIRED
644.2008.0000		WEB-BASED SUBMITTALS	LUMP SUM	ALL-REQUIRED
645.0001.0000	645.1	TRAINING PROGRAM, 2 TRAINEES/APPRENTICES	LABOR HOUR	4,000
646.0001.0000	646.1	CPM SCHEDULING	LUMP SUM	ALL-REQUIRED
652.0001.0000		INTERIM WORK PRICE ADJUSTMENT	CONTINGENT SUM	ALL-REQUIRED
660.0002.0000	660.2A	FLASHING BEACON SYSTEM COMPLETE, STEPHEN RICHARDS	LUMP SUM	ALL-REQUIRED \$57,000
660.0003.0000	660.3	HIGHWAY LIGHTING SYSTEM COMPLETE, BASE BID	LUMP SUM	ALL-REQUIRED \$26,000.00
670.0001.0000	670.1	PAINTED TRAFFIC MARKINGS, STEPHEN RICHARDS	LUMP SUM	ALL-REQUIRED \$15,000
670.2002.0000	670.10	MMA PAVEMENT MARKINGS, INLAID, STEPHEN RICHARDS	LUMP SUM	ALL-REQUIRED \$180,000

BASIS OF ESTIMATE			
ITEM NO.	SSHC 2017 ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
203.0006.0000	203.6D	BORROW, TYPE D	1.89 TON/CY
301.0001.0001	301.1	AGGREGATE BASE COURSE, GRADING D-1	2.00 TON/CY
306.0001.0000	306.1	ATB	119 LB/SY PER INCH DEPTH
306.0002.5828	306.2	ASPHALT BINDER, GRADE PG 58-28	5 OF ITEM 306.1
401.0001.003B	401.1A	HMA, TYPE III-CLASS B	119 LB/SY PER INCH DEPTH
401.0004.5828	401.4	ASPHALT BINDER, GRADE PG 58-28	6 OF ITEM 401.1A
401.0005.003B	401.5	HMA, TEMPORARY, TYPE III-CLASS B	119 LB/SY PER INCH DEPTH
402.0001.STE1	402.1	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY, 240 GAL/TON
408.2001.000A	408.1A	HMA, SP-TYPE A	119 LB/SY PER INCH DEPTH
408.2004.5828	408.4	ASPHALT BINDER, GRADE PG 58-28	6 OF ITEM 408.1A
618.0003.0000	618.3	WATER FOR SEEDING	1 GAL/1000 SF
670.0001.0000	670.1	PAINTED TRAFFIC MARKINGS	12 SYMBOLS WHITE
670.2002.0000	670.10	MMA PAVEMENT MARKINGS, INLAID	3561 LF LONGITUDINAL YELLOW
			5117 LF LONGITUDINAL WHITE
			520 SF TRANSVERSE WHITE
			18 SYMBOLS WHITE

ADDENDUM NO. 1

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

Jim Bergman 2.15.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

**ESTIMATE OF QUANTITIES
BASE BID**

FILE C:\G1\1_30_Projects\2019\2A\20776-22\G1\1\SSC-CT-01-c-20776.dwg
 DATE 2/13/2020 LAYOUT C2
 9085 GLACIER HIGHWAY - JINEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HOBBS
 CHECKED INGLE
 DRAFTED WESTHAL
 CERTIFICATE OF AUTH #1 ALCUB48

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
△	3/17/20	REMOVE ITEM 408.2010.0001	ALASKA	Z676220000	2020	C2	C2

ITEM NO.	SSHC 2017 ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
ADD. ALT. 1 FLOYD DRYDEN ROUNDABOUT				
201.0003.0000	201.3A	CLEARING AND GRUBBING	ACRE	0.9 .895
201.2001.0000	201.7	INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL	SQUARE YARD	29.6 160.9
202.0002.0000	202.2	REMOVAL OF PAVEMENT	SQUARE YARD	7,590 8,225
202.0004.0000	202.4	REMOVAL OF CULVERT PIPE	LINEAR FOOT	280 209.2
202.0009.0000	202.9	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	110 124
203.0003.0000	203.3	UNCLASSIFIED EXCAVATION	CUBIC YARD	1,600 718.3
203.0006.0000	203.6D	BORROW, TYPE D	TON	4,900 8,123
203.0009.0000	203.9	OBLITERATION OF ROADWAY	SQUARE YARD	172 77.7
301.0001.00D1	301.1	AGGREGATE BASE COURSE, GRADING D-1	TON	2,200 3,948
306.0001.0000	306.1	ATB	TON	1,000 1,234
306.0002.5828	306.2	ASPHALT BINDER, GRADE PG 58-28	TON	50 56.52
401.0001.003B	401.1A	HMA, TYPE III CLASS B	TON	200 292.1
401.0004.5828	401.4	ASPHALT BINDER, GRADE PG 58-28	TON	12 14.02
401.0005.003B	401.5	HMA, TEMPORARY, TYPE III CLASS B	TON	150 189.99
402.0001.STE1	402.1	STE-1 ASPHALT FOR TACK COAT	TON	4 4.46
408.2001.000A	408.1A	HMA, SP TYPE A	TON	500 534.06
408.2004.5828	408.4	ASPHALT BINDER, GRADE PG 58-28	TON	30 23.806
408.2008.000A	408.8A	HMA PRICE ADJUSTMENT, SP TYPE A	CONTINGENT SUM	ALL REQUIRED Deleted by CO
408.2009.0000	408.9	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED Deleted by CO
603.0021.0012	603.21-12	CORRUGATED POLYETHYLENE PIPE 12 INCH	LINEAR FOOT	192 197.5
603.0021.0018	603.21-18	CORRUGATED POLYETHYLENE PIPE 18 INCH	LINEAR FOOT	574 573.5
603.0021.0024	603.21-24	CORRUGATED POLYETHYLENE PIPE 24 INCH	LINEAR FOOT	279 280.5
603.0021.0030	603.21-30	CORRUGATED POLYETHYLENE PIPE 30 INCH	LINEAR FOOT	43
604.0001.0001	604.1A	STORM SEWER MANHOLE, TYPE I	EACH	4
604.0001.0002	604.1B	STORM SEWER MANHOLE, TYPE II	EACH	1
604.0003.0000	604.3	RECONSTRUCT EXISTING MANHOLE	EACH	1 2
604.0004.0000	604.4	ADJUST EXISTING MANHOLE	EACH	2
604.0005.000A	604.5	INLET, TYPE A	EACH	2
604.2002.0000		OIL WATER SEPARATOR TYPE II	EACH	2
608.0001.0006	608.1B	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	32 150.34
608.0003.0000	608.3	ASPHALT SIDEWALK	SQUARE YARD	1,668 2,212.15
608.0006.0000	608.6	CURB RAMP	EACH	12
608.2013.0005	608.9	CONCRETE SLABS, COLORED & PATTERN IMPRINTED, 4 INCHES THICK	SQUARE YARD	134 129.50
608.2027.0000	608.1C	CONCRETE SIDEWALK, 8 INCHES THICK	SQUARE YARD	142 142.46
609.0002.0001	609.2	CURB AND GUTTER, TYPE 1	LINEAR FOOT	3,554 3,469.45
615.0001.0000	615.1	STANDARD SIGN	SQUARE FOOT	350 416
615.0002.0000	615.2	REMOVE AND RELOCATE SIGN	EACH	2
615.0006.0000	615.6	SALVAGE SIGN	EACH	12 10
618.0002.0000	618.2	SEEDING	POUND	45 31.5
618.0003.0000	618.3	WATER FOR SEEDING	M. GAL	31 N/A
620.0001.0000	620.1	TOPSOIL	SQUARE YARD	3,425 2,310
627.0010.0000	627.10	ADJUSTMENT OF VALVE BOX	EACH	4 7
635.0001.0000	635.1	INSULATION BOARD	MBM	1 .16
639.2000.0000	639.3	APPROACH	EACH	5 6
642.0004.0000	642.4	SET PRIMARY MONUMENT	EACH	5 2
642.0005.0000	642.5	SET SECONDARY MONUMENT	EACH	16 0
642.0010.0000	642.10	MONUMENT CASE	EACH	5 2
643.2023.0000		SHUTTLE, FLOYD DRYDEN	DAY	75 Change Order
660.0002.0000	660.2B	FLASHING BEACON SYSTEM COMPLETE, FLOYD DRYDEN	LUMP SUM	ALL REQUIRED \$42,000
660.0003.0000	660.3	HIGHWAY LIGHTING SYSTEM COMPLETE, ADDITIVE ALTERNATE NO. 1	LUMP SUM	ALL REQUIRED \$370,000
670.0001.0000	670.1	PAINTED TRAFFIC MARKINGS, FLOYD DRYDEN	LUMP SUM	ALL REQUIRED \$6,000
670.2002.0000	670.10	MMA PAVEMENT MARKINGS, INLAID, FLOYD DRYDEN	LUMP SUM	ALL REQUIRED \$180,000
671.2001.0000		BANK CONSTRUCTION, BANK REVEGETATION AND PROTECTION	LINEAR FOOT	47 n/a
671.2001.0000		BANK CONSTRUCTION, CHANNEL GRADING	LINEAR FOOT	47 34.5

BASIS OF ESTIMATE			
ITEM NO.	SSHC 2017 ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
203.0006.0000	203.6D	BORROW, TYPE D	1.89 TON/CY
301.0001.00D1	301.1	AGGREGATE BASE COURSE, GRADING D-1	2.00 TON/CY
306.0001.0000	306.1	ATB	119 LB/SY PER INCH DEPTH
306.0002.5828	306.2	ASPHALT BINDER, GRADE PG 58-28	5 OF ITEM 306.1
401.0001.003B	401.1A	HMA, TYPE III CLASS B	119 LB/SY PER INCH DEPTH
401.0004.5828	401.4	ASPHALT BINDER, GRADE PG 58-28	6 OF ITEM 401.1A
401.0005.003B	401.5	HMA, TEMPORARY, TYPE III CLASS B	119 LB/SY PER INCH DEPTH
402.0001.STE1	402.1	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY, 240 GAL/TON
408.2001.000A	408.1A	HMA, SP TYPE A	119 LB/SY PER INCH DEPTH
408.2004.5828	408.4	ASPHALT BINDER, GRADE PG 58-28	6 OF ITEM 408.1A
618.0003.0000	618.3	WATER FOR SEEDING	1 GAL/1000 SF
670.0001.0000	670.1	PAINTED TRAFFIC MARKINGS	11 SYMBOLS WHITE
670.2002.0000	670.10	MMA PAVEMENT MARKINGS, INLAID	1968 LF LONGITUDINAL YELLOW
			2035 LF LONGITUDINAL WHITE
			750 SF TRANSVERSE WHITE
			0 SYMBOLS WHITE

ADDENDUM NO. 2

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

Jim Bergman 2/15/23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**MENDEHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

**ESTIMATE OF QUANTITIES
ADD. ALT. 1**

FILE C:\G1\11_30_Projects\2010\2A\20776-02\G1\11\SA-CI-SU-D-20776.dwg
 DATE 2/13/2020 LAYOUT D1 DESIGNED HORBS CHECKED INBLE
 PHONE (907) 760-3633 DESIGNED HORBS
 CERTIFICATE OF AUTH #1 AECUB48 DRAFTED WESTPAL
 0965 GLACIER HIGHWAY - JUNEAU, AK 99801

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	D1	D9

201.0003.0000 CLEARING AND GRUBBING						
SHEET	FROM STATION	TO STATION	AREA (SF)	AREA (ACRE)	REMARKS	
F1	'SR RAB' 100+25	'SR RAB' 104+00	13,137	0,3		
F2	'SR RAB' 104+00	'SR RAB' 109+00	33,106	0,8		
F3	'SR RAB' 109+00	'SR RAB' 112+50	10,133	0,2		
F4	'HW' 301+50	'HW' 302+79	346	0,0	RIGHT	
F4	'SR' 201+75	'SR' 203+79	3,992	0,1	LEFT	
TOTAL:			1,4	ACRE		

201.2001.0000 INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL						
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS	
F1	'SR RAB' 99+63	'SR RAB' 100+16	RT	15,6	PHAR	
F1	'SR RAB' 102+68	'SR RAB' 102+84	RT	1,7	PHAR	
F1-F2	'SR RAB' 103+94	'SR RAB' 104+08	RT	1,3	PHAR	
F2	'SR RAB' 107+36	'SR RAB' 108+01	RT	35,6	PHAR	
F2	'SR RAB' 108+71	'SR RAB' 108+81	RT	0,4	PHAR	
F3	'SR RAB' 109+78	'SR RAB' 109+87	RT	0,4	PHAR	
F3	'SR RAB' 110+68	'SR RAB' 100+93	LT	0,2	HIAU	
F3	'SR RAB' 111+11	'SR RAB' 111+21	RT	1,0	PHAR/ELRE	
F3	'SR RAB' 111+21	'SR RAB' 111+28	RT	1,3	PHAR/ELRE	
F3	'SR RAB' 111+28	'SR RAB' 111+59	LT	3,1	HIAU/HICA	
F3	'SR RAB' 112+44	'SR RAB' 112+53	RT	0,1	PHAR	
TOTAL:				60,7	SY	

INVASIVE SPECIES TYPE LEGEND		
SPECIES CODE	SCIENTIFIC NAME	COMMON NAME
ELRE	ELYMUS REPENS	QUACKGRASS
HIAU	HIERACIUM AURANTIACUM	ORANGE HAWKWEED
HICA	HIERACIUM CAESPITOSUM	MEADOW HAWKWEED
LEVU	LEUCANTHEMUM VULGARE	OXEYE DAISY
PHAR	PHALARIS ARUNDINACEA	REED CANARYGRASS

202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS				
SHEET	STATION	OFFSET	QUANTITY	REMARKS
F1	'SR RAB' 101+30	RT	1 EA	CONCRETE FOUNDATION
F2	'SR RAB' 104+80	LT/RT	3 EA	BOLLARDS
F2	'SR RAB' 104+17	LT	1 EA	BUS STOP SHELTER (SALVAGE AND DELIVER TO CBJ PUBLIC WORKS FACILITY)
F2	'SR RAB' 104+40	RT	1 EA	HOUSE
F4	'SR' 202+40	LT	40 LF	CHAIN LINK FENCE AT FISH PASSAGE
F4	'SR' 202+25	RT	40 LF	CHAIN LINK FENCE AT FISH PASSAGE
F4	'HW' 302+06	RT	20 LT	WOOD FENCE

202.0002.0000 REMOVAL OF PAVEMENT						
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS	
F1	'SR RAB' 100+25	'SR RAB' 104+00	LT/RT	2,252	ROADWAY	
F1	'SR RAB' 100+25	'SR RAB' 101+89	RT	199	PATH RIGHT	
F1	'SR RAB' 102+24	'SR RAB' 104+00	RT	209	PATH RIGHT	
F1	'SR RAB' 100+25	'SR RAB' 104+00	LT	534	PATH LEFT	
F1	'SR RAB' 101+28	'SR RAB' 104+00	LT/RT	134	MEDIAN	
F2	'SR RAB' 104+00	'SR RAB' 109+00	LT/RT	4,351	ROADWAY	
F2	'SR RAB' 104+00	'SR RAB' 105+79	RT	182	PATH RIGHT	
F2	'SR RAB' 106+22	'SR RAB' 108+34	RT	359	PATH RIGHT	
F2	'SR RAB' 108+58	'SR RAB' 109+00	RT	47	PATH RIGHT	
F2	'SR RAB' 105+46	'SR RAB' 109+03	LT	426	PATH LEFT	
F2	'SR RAB' 104+00	'SR RAB' 104+81	LT/RT	18	MEDIAN	
F3	'SR RAB' 105+96	'SR RAB' 107+62	LT/RT	70	MEDIAN	
F3	'SR RAB' 109+00	'SR RAB' 112+05	LT/RT	2,323	ROADWAY	
F3	'SR RAB' 109+00	'SR RAB' 110+56	RT	176	PATH RIGHT	
F3	'SR RAB' 110+97	'SR RAB' 112+05	RT	119	PATH RIGHT	
F3	'SR RAB' 109+24	'SR RAB' 109+72	LT	60	PATH LEFT	
F3	'SR RAB' 110+03	'SR RAB' 112+05	LT	233	PATH LEFT	
F4	'HW' 301+50	'HW' 303+01	LT/RT	691	ROADWAY RIGHT	
F4	'HW' 301+50	'HW' 303+01	RT	90	PATHWAY RIGHT	
F4	'HW' 301+50	'HW' 303+01	LT	99	PATHWAY RIGHT	
F4	'SR' 201+75	'SR' 203+79	LT/RT	933	ROADWAY LEFT	
TOTAL:				13,505	SY	

202.0003.0000 REMOVAL OF SIDEWALK						
SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS	
F2	'SR RAB' 104+11	'SR RAB' 104+22	LT	11		
F2	'SR RAB' 104+92	'SR RAB' 105+21	RT	9		
F2	'SR RAB' 105+31	'SR RAB' 105+44	RT	9		
F2	'SR RAB' 104+75	'SR RAB' 104+69	LT	21		
F2	'SR RAB' 105+10	'SR RAB' 105+48	LT	70		
F2	'SR RAB' 105+67	'SR RAB' 105+82	LT	8		
F4	'SR' 201+75	'SR' 203+15	RT	80		
F4	'SR' 201+75	'SR' 203+79	LT	113		
TOTAL:				321	SY	

202.0004.0000 REMOVAL OF CULVERT PIPE							
SHEET	INLET		OUTLET		SIZE (IN)	LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET			
F1	'SR RAB' 100+15	37,0' RT	'SR RAB' 100+44	38,8' RT	12	29	
F1	'SR RAB' 100+53	36,8' RT	'SR RAB' 102+52	42,8' RT	18	200	
F1	'SR RAB' 102+66	46,2' RT	'SR RAB' 103+09	40,0' RT	18	46	
F2	'SR RAB' 105+51	67,2' RT	'SR RAB' 106+00	60,8' RT	12	54	
F2	'SR RAB' 105+51	67,2' RT	'SR RAB' 105+86	125,5' RT	12	69	
F2	'SR RAB' 106+00	60,8' RT	'SR RAB' 106+46	41,9' RT	12	50	
F2	'SR RAB' 108+21	33,4' RT	'SR RAB' 108+88	32,6' RT	12	67	
F2	'SR RAB' 108+90	28,9' RT	'SR RAB' 108+85	72,2' LT	24	101	
F3	'SR RAB' 110+26	36,1' RT	'SR RAB' 111+19	37,1' RT	18	92	
TOTAL:					708	LF	

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

 2/15/23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
**SUMMARY SHEETS-
 BASE BID**

CERTIFICATE OF AUTH #1 AECUB48
 DRAFTED WESTPHAL
 CHECKED INGBLE
 PHONE (907) 760-3633
 DESIGNED FORBES
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT D2
 FILE C:\G1\11_30_Projects\10\10_2A\10776-02\C1\11\SA-CT-SU-D-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	D2	D9

202.0008.0000 REMOVAL OF INLET

SHEET	STATION	OFFSET	QUANTITY (EACH)	REMARKS
F1	'SR RAB' 105+50	67.5' RT	1	
F1	'SR RAB' 106+00	60.8' RT	1	
F1	'SR RAB' 106+46	41.9' RT	1	
TOTAL:			3	EA

202.0009.0000 REMOVAL OF CURB AND GUTTER

SHEET	FROM STATION	TO STATION	OFFSET	LENGTH (LF)	REMARKS
F1	'SR RAB' 101+05	'SR RAB' 101+86	RT	148	
F1	'SR RAB' 102+24	'SR RAB' 102+53	RT	114	
F1	'SR RAB' 101+28	'SR RAB' 102+63	CT	278	MEDIAN
F1	'SR RAB' 102+65	'SR RAB' 103+75	CT	225	MEDIAN
F1-F2	'SR RAB' 103+77	'SR RAB' 104+81	CT	212	MEDIAN
F2	'SR RAB' 104+88	'SR RAB' 105+79	RT	127	
F2	'SR RAB' 104+35	'SR RAB' 104+69	LT	149	
F2	'SR RAB' 106+22	'SR RAB' 107+59	RT	220	
F2	'SR RAB' 104+90	'SR RAB' 105+83	LT	171	
F2	'SR RAB' 105+96	'SR RAB' 106+87	CT	188	MEDIAN
F2	'SR RAB' 106+88	'SR RAB' 107+62	CT	159	MEDIAN
F4	'HW' 301+50	'HW' 303+01	LT	150	
F4	'HW' 301+50	'HW' 303+01	RT	150	
F4	'SR' 201+75	'SR' 203+16	LT	150	
F4	'SR' 203+64	'SR' 203+79	LT	17	
F4	'SR' 201+75	'SR' 203+79	RT	203	
TOTAL:				2,661	LF

202.0010.0000 SINGLE MAIL BOX INSTALLATION

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F4	'HW' 301+63	19.4' RT	4	
TOTAL:			4	EA

203.0003.0000 UNCLASSIFIED EXCAVATION

SHEET	START STATION	END STATION	VOLUME (CY)	REMARKS
F1	'SR RAB' 100+25	'SR RAB' 104+00	639	
F2	'SR RAB' 104+00	'SR RAB' 109+00	549	
F3	'SR RAB' 109+00	'SR RAB' 112+00	632	
F4	'SR' 201+75	'SR' 203+79	326	
F4	'HW' 301+50	'HW' 303+01	149	
TOTAL:			2,295	CY
ROUNDED TOTAL:			2,300	CY

203.0006.0000 BORROW, TYPE D

SHEET	START STATION	END STATION	VOLUME (TON)	REMARKS
F1	'SR RAB' 100+25	'SR RAB' 104+00	1,368	
F2	'SR RAB' 104+00	'SR RAB' 109+00	8,793	
F3	'SR RAB' 109+00	'SR RAB' 112+00	926	
F4	'SR' 201+75	'SR' 203+79	712	
F4	'HW' 301+50	'HW' 303+01	210	
TOTAL:			12,009	
ROUNDED TOTAL:			12,100	TON

301.0001.00D1 AGGREGATE BASE COURSE, GRADING D-1

SHEET	START STATION	END STATION	OFFSET	WEIGHT (TON)	REMARKS
F1	'SR RAB' 100+25	'SR RAB' 104+00	LT/RT	680	ROADWAY
F2	'SR RAB' 104+00	'SR RAB' 109+00	LT/RT	1,366	ROADWAY
F3	'SR RAB' 109+00	'SR RAB' 112+00	LT/RT	565	ROADWAY
F4	'SR' 201+75	'SR' 203+79	LT/RT	301	ROADWAY
F4	'HW' 301+50	'HW' 303+01	LT/RT	178	ROADWAY
F1	'SR RAB' 101+40	'SR RAB' 102+49	RT	85	APPROACH
F2	'SR RAB' 108+15	'SR RAB' 108+89	RT	44	APPROACH
F2-F3	'SR RAB' 108+84	'SR RAB' 109+43	LT	25	APPROACH
F3	'SR RAB' 109+51	'SR RAB' 110+23	LT	44	APPROACH
F3	'SR RAB' 110+20	'SR RAB' 111+54	RT	97	APPROACH
F4	'SR' 202+95	'SR' 203+79	LT	28	APPROACH
F4	'HW' 301+70	'HW' 301+94	RT	11	APPROACH
F4	'HW' 301+90	'HW' 302+10	LT	18	APPROACH
F4	'HW' 302+17	'HW' 302+41	RT	17	APPROACH
F1-F2	'SR RAB' 100+25	'SR RAB' 104+34	LT/RT	136	HMA MEDIAN
F2-F3	'SR RAB' 106+66	'SR RAB' 110+19	LT/RT	142	HMA MEDIAN
F2	'SR RAB' 105+00	'SR RAB' 106+02	LT/RT	47	TRUCK APRON
F1-F2	'SR RAB' 103+09	'SR RAB' 104+79	LT/RT	28	SR ROUNDABOUT SOUTH MEDIAN
F2	'SR RAB' 105+20	'SR RAB' 104+94	RT	27	SR ROUNDABOUT EAST MEDIAN
F2	'SR RAB' 105+77	'SR RAB' 105+92	LT	12	SR ROUNDABOUT WEST MEDIAN
F2	'SR RAB' 106+20	'SR RAB' 106+55	LT	26	SR ROUNDABOUT NORTH MEDIAN
F1	'SR RAB' 103+09	'SR RAB' 103+30	LT	4	BUS SHELTER PAD
F4	'HW' 302+53	'HW' 302+72	RT	2	PARALLEL BIKE RAMP
F4	'SR' 202+64	'SR' 202+89	LT	4	SIDEWALK
F4	'SR' 203+66	'SR' 203+79	LT	2	SIDEWALK
F4	'HW' 302+20	'HW' 302+38	LT	2	PARALLEL BIKE RAMP
F4	'SR' 202+74	'SR' 203+79	RT	14	SIDEWALK
F2	'SR RAB' 107+73	'SR RAB' 107+93	RT	4	BUS SHELTER PAD
F3	'SR RAB' 109+33	'SR RAB' 109+51	RT	2	PARALLEL BIKE RAMP
F1	'SR RAB' 100+25	'SR RAB' 101+88	RT	45	PATH
F1	'SR RAB' 102+24	'SR RAB' 104+00	RT	54	PATH
F1	'SR RAB' 100+25	'SR RAB' 104+00	LT	101	PATH
F2	'SR RAB' 104+00	'SR RAB' 105+75	RT	42	PATH
F2	'SR RAB' 106+16	'SR RAB' 108+29	RT	65	PATH
F2	'SR RAB' 108+73	'SR RAB' 109+00	RT	8	PATH
F2	'SR RAB' 104+00	'SR RAB' 104+82	LT	41	PATH
F2	'SR RAB' 105+14	'SR RAB' 109+00	LT	109	PATH
F3	'SR RAB' 109+00	'SR RAB' 110+39	RT	40	PATH
F3	'SR RAB' 111+20	'SR RAB' 112+05	RT	22	PATH
F3	'SR RAB' 109+26	'SR RAB' 109+69	LT	12	PATH
F3	'SR RAB' 110+07	'SR RAB' 112+05	LT	54	PATH
F4	'HW' 301+50	'HW' 302+94	RT	35	PATH
F4	'HW' 301+50	'HW' 302+65	LT	31	PATH
F4	'SR' 201+75	'SR' 202+64	LT	22	PATH
F4	'SR' 201+75	'SR' 202+74	RT	23	PATH
TOTAL:				4,615	TONS
ROUNDED TOTAL:				4,700	TONS

306.0001.0000 ATB

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1	'SR RAB' 100+25	'SR RAB' 104+00	476	ROADWAY
F2	'SR RAB' 104+00	'SR RAB' 109+00	955	ROADWAY
F3	'SR RAB' 109+00	'SR RAB' 112+00	395	ROADWAY
F4	'SR' 201+75	'SR' 203+79	211	ROADWAY
F4	'HW' 301+50	'HW' 303+01	125	ROADWAY
TOTAL:			2,162	TON
ROUNDED TOTAL:			2,200	TON

306.0002.5828 ASPHALT BINDER, GRADE PG 58-28

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F4	'SR RAB' 100+25	'SR RAB' 112+05	110	5.0% OF 306(1)
TOTAL:			110	TON

401.0001.003B HMA, TYPE III; CLASS B

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F2	'SR RAB' 100+25	'SR RAB' 104+34	71	MEDIAN
F1	'SR RAB' 101+40	'SR RAB' 102+49	45	APPROACH
F2-F3	'SR RAB' 106+66	'SR RAB' 110+19	75	MEDIAN
F2	'SR RAB' 108+15	'SR RAB' 108+89	23	APPROACH
F2-F3	'SR RAB' 108+84	'SR RAB' 109+43	14	APPROACH
F3	'SR RAB' 109+51	'SR RAB' 110+23	23	APPROACH
F3	'SR RAB' 110+20	'SR RAB' 111+54	51	APPROACH
F4	'SR' 202+95	'SR' 203+79	15	APPROACH
F4	'HW' 301+70	'HW' 301+94	6	APPROACH
F4	'HW' 301+90	'HW' 302+10	10	APPROACH
F4	'HW' 302+17	'HW' 302+41	9	APPROACH
TOTAL:			342	TON
ROUNDED TOTAL:			350	TON

401.0004.5828 ASPHALT BINDER, GRADE PG 58-28

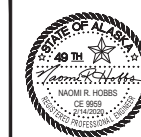
SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F7	'SR RAB' 100+25	'SR RAB' 112+05	21	6.0% OF 401(1A)
TOTAL:			21	TON

402.0001.STE1 STE-1 ASPHALT FOR TACK COAT

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1	'SR RAB' 100+25	'SR RAB' 104+00	1.6	
F2	'SR RAB' 104+00	'SR RAB' 109+00	3.4	
F3	'SR RAB' 109+00	'SR RAB' 112+00	1.4	
F4	'SR' 201+75	'SR' 203+79	0.8	
F4	'HW' 301+50	'HW' 303+01	0.4	
TOTAL:			7.6	TON
ROUNDED TOTAL:			8.0	TON

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

Jim Bergman
Signature
2/15/23
Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS

SUMMARY SHEETS -
BASE BID

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
△	3/12/20	STRUCTURE TYPE CLARIFICATION	ALASKA	Z676220000	2020	D3	D9

FILE C:\CD\11_30_Projects\2019\2A\20776-02\G1\1\SA-CT-SU-D-70776.dwg
 DATE 2/13/2020 LAYOUT D3
 9085 GLACIER HIGHWAY - JANEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORBS
 CHECKED INBLE
 DRAFTER WESTPHAL
 CERTIFICATE OF AUTH #1 ALCUB48

408.2001.000A HMA, SP; TYPE A

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1	'SR RAB' 100+25	'SR RAB' 104+00	238	ROADWAY
F2	'SR RAB' 104+00	'SR RAB' 109+00	478	ROADWAY
F3	'SR RAB' 109+00	'SR RAB' 112+00	198	ROADWAY
F4	'SR' 201+75	'SR' 203+79	106	ROADWAY
F4	'HW' 301+50	'HW' 301+01	63	ROADWAY
TOTAL:			1,083	TON
ROUNDED TOTAL:			1,100	TON

408.2004.5828 ASPHALT BINDER, GRADE PG 58-28

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F4	'SR RAB' 100+25	'SR RAB' 112+05	66	6.0% OF 408(1A)
TOTAL:			66	TON

603.0021.0012 CORRUGATED POLYETHYLENE PIPE 12 INCH

SHEET	PIPE ID	INLET			OUTLET			SLOPE	LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
F3	P-24	'SR RAB' 111+21	54,9' RT	39,70	'SR RAB' 110+49	50,6' RT	39,32	0,54%	71	
F3	P-25	'SR RAB' 111+85	37,1' RT	40,44	'SR RAB' 111+70	54,5' RT	40,04	1,76%	23	
TOTAL:								94	LF	

603.0021.0018 CORRUGATED POLYETHYLENE PIPE 18 INCH

SHEET	PIPE ID	INLET			OUTLET			SLOPE	LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
F1	P-1	'SR RAB' 102+37	32,8' RT	37,67	'SR RAB' 100+59	34,4' RT	36,78	0,50%	178	
F1	P-2	'SR RAB' 103+49	32,4' RT	38,23	'SR RAB' 102+37	32,8' RT	37,67	0,49%	115	
F2	P-3	'SR RAB' 104+41	43,3' RT	38,67	'SR RAB' 103+49	32,4' RT	38,23	0,50%	89	
F1-F2	P-4	'SR RAB' 103+14	44,0' LT	37,98	'SR RAB' 104+47	35,9' LT	37,58	0,29%	138	
F2	P-5	'SR RAB' 104+47	35,9' LT	37,58	'SR RAB' 105+00	77,6' LT	37,37	0,30%	71	
F2, F4	P-6	'SR' 201+21	35,3' LT	37,37	'SR' 202+00	20,8' LT	37,13	0,30%	81	
F4	P-7	'SR' 202+00	20,8' LT	37,13	'SR' 202+32	48,0' LT	37,00	0,30%	43	
F2, F4	P-8	'HW' 301+17	22,0' RT	38,5	'HW' 302+53	12,4' RT	37,67	0,61%	137	
F4	P-9	'HW' 302+53	12,4' RT	37,67	'HW' 302+96	18,2' RT	37,59	0,20%	43	CONNECT TO EXISTING INLET EL=38,08'
F4	P-10	'SR' 202+98	18,7' RT	36,69	'SR' 202+98	16,0' RT	36,67	0,60%	3	
F4	P-11	'SR' 202+00	18,2' RT	37,45	'SR' 202+00	20,8' LT	37,22	0,59%	39	
F4	P-12	'SR' 201+11	26,7' RT	37,98	'SR' 201+99	18,7' RT	37,45	0,60%	88	
F1-F2	P-13	'SR RAB' 106+50	38,7' LT	38,71	'SR RAB' 105+42	103,3' LT	37,98	0,60%	122	
F2	P-14	'SR RAB' 107+62	39,0' LT	39,45	'SR RAB' 106+50	38,7' LT	38,71	0,66%	113	
F4	P-15	'HW' 301+25	36,8' LT	38,54	'HW' 302+19	13,7' LT	37,96	0,60%	97	
F4	P-16	'HW' 302+19	13,7' LT	37,96	'HW' 302+96	16,2' LT	37,80	0,20%	79	CONNECT TO EXISTING INLET EL=38,35'
F2	P-17	'SR RAB' 106+53	40,1' RT	39,81	'SR RAB' 107+89	45,2' RT	39,07	0,54%	137	
F2	P-18	'SR RAB' 107+89	45,2' RT	39,07	'SR RAB' 108+89	17,0' RT	38,52	0,53%	104	
F2	P-19	'SR RAB' 108+91	49,1' RT	38,99	'SR RAB' 108+89	17,0' RT	38,62	1,15%	33	
F2	P-20	'SR RAB' 108+89	17,0' RT	38,52	'SR RAB' 108+85	72,2' LT	38,03	0,55%	90	
F2-F3	P-21	'SR RAB' 109+33	51,1' LT	38,67	'SR RAB' 108+89	70,0' LT	38,10	1,20%	48	
F3	P-22	'SR RAB' 109+54	27,2' RT	39,15	'SR RAB' 109+54	50,1' RT	39,09	0,28%	23	
F3	P-23	'SR RAB' 110+00	48,4' LT	38,78	'SR RAB' 109+64	49,1' LT	38,73	0,11%	48	
TOTAL:								1,919	LF	

604.0001.0001 STORM SEWER MANHOLE, TYPE I

SHEET	STRUCTURE ID	STATION	OFFSET	RIM ELEVATION (FT)	QUANTITY (EA)	TYPE OF CASTING	REMARKS
F1	S-1	'SR RAB' 102+37	32,8' RT	41,57	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F1	S2	'SR RAB' 103+49	32,4' RT	42,07	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F2	S3	'SR RAB' 104+41	43,3' RT	42,42	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F1	S4	'SR RAB' 103+14	44,0' LT	41,73	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F2	S5	'SR RAB' 104+47	35,9' LT	42,74	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F2	S6	'SR' 201+21	35,3' LT	43,26	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F4	S9	'HW' 302+53	12,4' RT	41,17	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F2	S11	'SR' 202+00	18,2' RT	41,68	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F2	S12	'SR' 201+10	26,1' RT	43,55	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F2	S13	'SR RAB' 106+50	38,7' LT	44,01	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F4	S15	'HW' 301+25	36,8' LT	42,92	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F4	S16	'HW' 302+19	13,7' LT	41,47	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F2	S17	'SR RAB' 106+53	40,1' RT	43,55	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F2	S18	'SR RAB' 107+89	45,2' RT	43,06	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
TOTAL:					14	EA	

604.0003.0000 RECONSTRUCT EXISTING MANHOLE

SHEET	STATION	OFFSET	QUANTITY (EA)	TYPE OF SERVICE	REMARKS
F1	'SR RAB' 101+95	26,5' RT	1	SANITARY SEWER	CBJ STD DWG 205 & 206A
F2	'SR RAB' 105+56	82,4' RT	1	SANITARY SEWER	CBJ STD DWG 205 & 206A
F2	'SR RAB' 105+53	46,5' RT	1	SANITARY SEWER	CBJ STD DWG 205 & 206A
F2	'SR RAB' 109+44	24,8' RT	1	SANITARY SEWER	CBJ STD DWG 205 & 206A
F4	'HW' 302+96	16,2' LT	1	STORM DRAIN	CBJ STD DWG 304A & 304B
F4	'HW' 302+97	18,5' RT	1	STORM DRAIN	CBJ STD DWG 304A & 304B
TOTAL:			6	EA	

Counted Twice

604.0004.0000 ADJUSTING EXISTING MANHOLE

SHEET	STATION	OFFSET	QUANTITY (EA)	TYPE OF SERVICE	REMARKS
F1	'SR RAB' 101+80	6,2' LT	1	SANITARY SEWER CLEANOUT	CBJ STD DWG 203 & 205
F4	'SR' 203+43	1,1' LT	1	SANITARY SEWER MANHOLE	CBJ STD DWG 203 & 205
TOTAL:			2	EA	

604.0005.000A INLET, TYPE A

SHEET	STRUCTURE ID	STATION	OFFSET	RIM ELEVATION	QUANTITY (EA)	TYPE OF CASTING
F2	S-08	'HW' 301+15	21,6' RT	42,46	1	GRATE & CURB INLET
F4	S-10	'SR' 202+98	18,7' RT	40,44	1	GRATE & CURB INLET
F2	S-14	'SR RAB' 107+62	39' RT	43,2	1	GRATE & CURB INLET
F2	S-20	'SR RAB' 109+54	27,2' LT	42,83	1	GRATE & CURB INLET
TOTAL:					4	EA

ADDENDUM NO. 1

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

Jim Bergan 2/15/23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

**SUMMARY SHEETS -
BASE BID**

FILE C:\CD\11_30_Projects\10\10\2017\6-20\CD\11\USA-CT-SU-D-70776.dwg
 DATE 2/13/2020 LAYOUT D4
 DESIGNED HOBBS
 CHECKED INGLE
 DRAFTED WESTPHAL
 PHONE (907) 760-3533
 CERTIFICATE OF AUTH #1 AECUB48
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
△	3/12/20	STRUCTURE TYPE CLARIFICATION	ALASKA	Z676220000	2020	D4	D9

604.0010.0000 RECONSTRUCT INLET					
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS	
F4	'SR' 202+98	16,0' RT	1		
F4	'HW' 302+96	16,2' LT	1		
F4	'HW' 302+96	18,3' RT	1		
TOTAL:			3	EA	

604.0012.0000 REPLACE INLET FRAME AND GRATE					
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS	
F4	'SR' 202+98	16,0' RT	1	FLAT BAR GRATE AND FRAME	
TOTAL:			1	EA	

604.0016.0000 ADJUST INLET FRAME AND GRATE					
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS	
F4	'SR' 203+01	18,6' LT	1		
TOTAL:			1	EA	

604.2002.0000 OIL WATER SEPARATOR TYPE II							
SHEET	STRUCTURE ID	STATION	OFFSET	RIM ELEVATION (FT)	QUANTITY (EA)	TYPE OF CASTING	REMARKS
F2	S-07	'SR' 202+00	20,8' LT	41,64	1	GRATE & CURB INLET	CBJ STD DWG 305, EXCLUDED FROM REQUIREMENTS OF SEC. 604 IN SPECS SEE SEC. 604 OF SPECS
F2	S-19	'SR RAB' 108+89	17,0' RT	43,22	1	MANHOLE FRAME & LID	
TOTAL:					2	EA	

607.0003.0000 CHAIN LINK FENCE						
SHEET	FROM STATION	OFFSET	TO STATION	OFFSET	LENGTH (LF)	REMARKS
F4	'SR' 201+98	39,3' RT	'SR' 202+43	31,4' RT	44	
F4	'SR' 202+21	37,3' LT	'SR' 202+59	30,9' LT	44	
TOTAL:					88	LF

607.0004.0000 RECONSTRUCTED FENCE						
SHEET	FROM STATION	OFFSET	TO STATION	OFFSET	LENGTH (LF)	REMARKS
F4	'HW' 301+96	28,6' RT	'HW' 302+15	29,5' RT	20	
TOTAL:					20	LF

608.0001.0006 CONCRETE SIDEWALK, 6 INCHES THICK					
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F1	'SR RAB' 103+09	'SR RAB' 103+30	LT	16	BUS STOP PAD
F2	'SR RAB' 107+73	'SR RAB' 107+93	RT	16	BUS STOP PAD
F4	'HW' 302+53	'HW' 302+72	RT	7	PARALLEL BIKE RAMP
F4	'SR' 202+64	'SR' 202+89	LT	15	SIDEWALK
F4	'SR' 203+66	'SR' 203+79	LT	6	SIDEWALK
F4	'HW' 302+10	'HW' 302+39	LT	112	CONCRETE SIDEWALK
F4	'HW' 302+53	'HW' 302+70	LT	7	PARALLEL BIKE RAMP
F4	'SR' 202+74	'SR' 203+79	RT	58	SIDEWALK
F4	'SR RAB' 109+33	'SR RAB' 109+51	RT	8	PARALLEL BIKE RAMP
TOTAL:				277	SY

608.0003.0000 ASPHALT SIDEWALK					
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F1	'SR RAB' 100+25	'SR RAB' 101+88	RT	188	
F1	'SR RAB' 102+24	'SR RAB' 104+00	RT	227	
F1-F2	'SR RAB' 100+25	'SR RAB' 104+00	LT	422	
F2	'SR RAB' 104+00	'SR RAB' 105+75	RT	175	
F2	'SR RAB' 106+16	'SR RAB' 108+29	RT	270	
F2	'SR RAB' 108+73	'SR RAB' 109+00	RT	31	
F2	'SR RAB' 104+00	'SR RAB' 104+82	LT	170	
F2-F3	'SR RAB' 105+14	'SR RAB' 109+00	LT	456	
F3	'SR RAB' 109+00	'SR RAB' 110+39	RT	168	
F3	'SR RAB' 111+20	'SR RAB' 112+05	RT	93	
F3	'SR RAB' 109+26	'SR RAB' 109+69	LT	47	
F3	'SR RAB' 110+07	'SR RAB' 112+05	LT	225	
F4	'HW' 301+50	'HW' 303+01	RT	144	
F4	'HW' 301+50	'HW' 303+01	LT	129	
F4	'SR' 201+75	'SR' 202+64	LT	91	
F4	'SR' 201+75	'SR' 202+74	RT	94	
TOTAL:				2,930	SY

608.0006.0000 CURB RAMP					
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS	
F1	'SR RAB' 101+72	43' RT	1	PARALLEL	
F1	'SR RAB' 102+23	44' RT	1	PARALLEL	
F2	'SR RAB' 104+26	40' RT	1	PATH ACCESS	
F2	'SR RAB' 104+33	36' RT	1	PATH ACCESS	
F2	'SR RAB' 104+37	10' RT	1	ROUNDAABOUT MEDIAN	
F2	'SR RAB' 104+38	6' LT	1	ROUNDAABOUT MEDIAN	
F2	'SR RAB' 105+65	118' RT	1	PARALLEL	
F2	'SR RAB' 105+00	93' LT	1	PATH ACCESS	
F2	'SR RAB' 105+79	104' RT	1	ROUNDAABOUT MEDIAN	
F2	'SR RAB' 105+79	104' RT	1	ROUNDAABOUT MEDIAN	
F2	'SR RAB' 105+18	102' LT	1	ROUNDAABOUT MEDIAN	
F2	'SR RAB' 105+18	102' LT	1	ROUNDAABOUT MEDIAN	
F2	'SR RAB' 106+06	98' RT	1	PATH ACCESS	
F2	'SR RAB' 105+32	115' LT	1	PATH ACCESS	
F2	'SR RAB' 106+68	39' RT	1	PATH ACCESS	
F2	'SR RAB' 106+65	36' LT	1	PARALLEL	
F2	'SR RAB' 106+62	5' LT	1	ROUNDAABOUT MEDIAN	
F2	'SR RAB' 106+61	10' RT	1	ROUNDAABOUT MEDIAN	
F4	'SR' 202+97	23' LT	1	UNIDIRECTIONAL	
TOTAL:			19	EA	

ADDENDUM NO. 1

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

Jim Bergan 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS

SUMMARY SHEETS -
 BASE BID

CERTIFICATE OF AUTH. #1 AECUB48
 DRAFTED WESTPHAL
 CHECKED INGLE
 DESIGNED HOBBS
 PHONE (907) 760-3633
 9045 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT DS
 FILE C:\G1\11_30_Projects\2019\2A\20776-02\G1\11\SA-CI-SU-D-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	D5	D9

608.2013.0005 CONCRETE SLABS, COLORED AND PATTERNED IMPRINTED, 4 INCHES THICK

SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F2	'SR RAB' 104+45	'SR RAB' 104+79	LT/RT	114	
F2	'SR RAB' 105+20	'SR RAB' 104+94	LT	110	
F2	'SR RAB' 105+77	'SR RAB' 105+92	RT	49	
F2	'SR RAB' 106+20	'SR RAB' 106+55	LT/RT	107	
TOTAL:				380	SY

608.2027.0000 CONCRETE SIDEWALK, 8 INCHES THICK

SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F2	'SR RAB' 105+00	'SR RAB' 106+02	LT/RT	194	TRUCK APRON
TOTAL:				194	SY

609.0002.0001 CURB AND GUTTER, TYPE 1

SHEET	FROM STATION	OFFSET	TO STATION	OFFSET	LENGTH (LF)	REMARKS
F1	'SR RAB' 101+01	RT	'SR RAB' 101+93	RT	147	
F1	'SR RAB' 102+20	RT	'SR RAB' 103+40	RT	189	
F1-F4	'SR RAB' 103+42	RT	'HW' 302+72	RT	367	
F1-F2	'SR RAB' 100+25	LT/RT	'SR RAB' 104+81	LT/RT	1004	STEPHEN RICHARDS SOUTH MEDIAN
F1-F4	'SR RAB' 102+62	LT	'SR' 202+06	LT	352	
F2-F4	'SR' 200+99	LT/RT	'SR' 202+09	LT/RT	297	STEPHEN RICHARDS WEST MEDIAN
F2-F4	'SR' 202+06	RT	'SR RAB' 107+67	LT	339	
F2	'SR RAB' 105+00	LT/RT	'SR RAB' 106+00	LT	314	STEPHEN RICHARDS CIRCLE
F2-F3	'SR RAB' 106+19	LT/RT	'SR RAB' 110+21	LT/RT	893	STEPHEN RICHARDS NORTH MEDIAN
F3	'SR RAB' 109+51	RT	'SR RAB' 110+48	RT	105	
F3-F4	'HW' 302+38	LT	'SR RAB' 109+51	RT	518	
F4	'SR' 202+16	LT	'SR' 203+27	LT	126	
F4	'SR' 203+64	LT	'SR' 203+79	LT	16	
F4	'HW' 301+08	RT	'HW' 301+58	RT	170	STEPHEN RICHARDS EAST MEDIAN
F4	'HW' 302+38	LT	'HW' 303+01	LT	33	
F4	'HW' 302+72	RT	'HW' 302+94	RT	27	
F4	'SR' 202+12	RT	'SR' 203+79	RT	164	
TOTAL:					5,061	LF

618.0002.0000 SEEDING

SHEET	FROM STATION	TO STATION	QUANTITY (LB)	REMARKS
F1	'SR RAB' 100+25	'SR RAB' 104+00	10	
F2	'SR RAB' 104+00	'SR RAB' 109+00	27	
F3	'SR RAB' 109+00	'SR RAB' 112+00	12	
F4	'HW' 301+50	'HW' 302+79	2	
F4	'SR' 201+75	'SR' 203+79	4	
TOTAL:			55	LB

620.0001.0000 TOPSOIL

SHEET	FROM STATION	TO STATION	AREA (SY)	REMARKS
F1	'SR RAB' 100+25	'SR RAB' 104+00	776	
F2	'SR RAB' 104+00	'SR RAB' 109+00	2,105	
F3	'SR RAB' 109+00	'SR RAB' 112+00	926	
F4	'HW' 301+50	'HW' 302+79	112	
F4	'SR' 201+75	'SR' 203+79	283	
TOTAL:			4,202	SY

627.0010.0000 ADJUSTMENT OF VALVE BOX

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F2	'SR RAB' 105+22	69.0' RT	2	
F2	'SR RAB' 108+74	41.7' RT	1	
F3	'SR RAB' 110+88	46.4' RT	1	
TOTAL:			4	EA

635.0001.0000 INSULATION BOARD

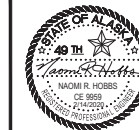
SHEET	STATION	OFFSET	QUANTITY (MBM)	REMARKS
F2	'SR RAB' 108+00	RT	.13	
F4	'SR' 203+00	LT	.13	
F2	'SR RAB' 109+50	RT	.13	
TOTAL:			.39	MBM
ROUNDED TOTAL:			1	MBM

639.2000.0000 APPROACH

SHEET	STATION	OFFSET	TYPE			RADIUS (FT)	WIDTH (FT)	REMARKS
			PUBLIC (EA)	RES. (EA)	COMM. (EA)			
F1	'SR RAB' 101+84	RT	1			45	31.8	TRINITY DRIVE
F2	'SR RAB' 105+88	LT	1			45	33.1	STEPHEN RICHARDS MEMORIAL DRIVE
F2	'SR RAB' 105+02	RT	1			45	32.9	HALOFF WAY
F2	'SR RAB' 108+44	RT		1		20	42.3	DRIVEWAY
F3	'SR RAB' 109+13	LT		1		20	19.2	DRIVEWAY
F3	'SR RAB' 109+82	LT		1		20	33.0	DRIVEWAY
F3	'SR RAB' 110+76	RT	1			45	29.9	DUDLEY STREET
F4	'SR' 203+38	LT	1			35	41.9	DUCK CREEK MARKET DRIVEWAY/KODIAK BEAR ST
F4	'HW' 301+81	RT		1			23.8	DRIVEWAY
F4	'HW' 301+98	LT		1			64.6	DRIVEWAY
F4	'HW' 302+29	RT		1			23.7	DRIVEWAY
F4	'HW' 303+01	LT		1			9.6	DRIVEWAY, ONLY ONE RAMP
TOTAL:			5	7		EA		

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

 2/15/23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
**SUMMARY SHEETS -
 BASE BID**

FILE: C:\G1\11_30_Projects\1020\2A\20776-02\C1\1\USA-CT-SU-D-70776.dwg
 DATE: 2/13/2020 LAYOUT: D6
 PHONE: (907) 760-3533 CHECKED: INBLE
 DESIGNED: HORNS
 DRAWN: WESTPHAL
 CERTIFICATE OF AUTH. # | AECUB48
 9065 GLACIER HIGHWAY, JUNEAU, AK 99801

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	D6	D9

201.0003.0000 CLEARING AND GRUBBING						
SHEET	FROM STATION	TO STATION	AREA (SF)	AREA (ACRE)	REMARKS	
F6	'FD RAB' 400+25	'FD RAB' 406+00	32,482	0.7		
F7	'FD RAB' 406+00	'FD RAB' 408+00	9,043	0.2		
TOTAL:			0.9	ACRE		

201.2001.0000 INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL						
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS	
F6	'FD RAB' 399+47	'FD RAB' 399+72	RT	8.3	PHAR	
F6	'FD RAB' 400+35	'FD RAB' 400+40	RT	0.2	PHAR	
F6	'FD RAB' 401+99	'FD RAB' 402+14	RT	2.0	LEVU	
F6	'FD RAB' 402+27	'FD RAB' 402+47	RT	4.0	LEVU	
F6	'FD RAB' 403+22	'FD RAB' 403+30	RT	0.1	PHAR	
F6	'FD RAB' 403+26	'FD RAB' 403+20	RT	0.4	PHAR	
F6	'FD RAB' 403+97	'FD RAB' 404+02	LT	0.4	PHAR	
F6	'FD RAB' 405+75	'FD RAB' 405+87	RT	0.9	PHAR	
F7	'FD RAB' 407+19	'FD RAB' 407+65	LT	9.8	PHAR	
F7	'FD RAB' 407+76	'FD RAB' 407+91	RT	2.7	PHAR	
F7	'FD RAB' 408+80	'FD RAB' 408+89	LT	0.4	PHAR	
F7	'FD RAB' 409+03	'FD RAB' 409+12	LT	0.4	PHAR	
TOTAL:				29.6	SY	

INVASIVE SPECIES TYPE LEGEND		
SPECIES CODE	SCIENTIFIC NAME	COMMON NAME
ELRE	ELYMUS REPENS	QUACKGRASS
HIAU	HIERACIUM AURANTIACUM	ORANGE HAWKWEED
HICA	HIERACIUM CAESPITOSUM	MEADOW HAWKWEED
LEVU	LEUCANTHEMUM VULGARE	OXEYE DAISY
PHAR	PHALARIS ARUNDINACEA	REED CANARYGRASS

202.0002.0000 REMOVAL OF PAVEMENT						
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS	
F6	'FD RAB' 400+25	'FD RAB' 406+00	LT/RT	4,565	ROADWAY	
F6	'FD RAB' 400+25	'FD RAB' 401+40	RT	131	PATH RIGHT	
F6	'FD RAB' 401+80	'FD RAB' 404+22	RT	420	PATH RIGHT	
F6	'FD RAB' 404+89	'FD RAB' 406+00	RT	332	PATH RIGHT	
F6	'FD RAB' 400+25	'FD RAB' 403+45	LT	365	PATH LEFT	
F6	'FD RAB' 403+75	'FD RAB' 406+16	LT	244	PATH LEFT	
F7	'FD RAB' 406+00	'FD RAB' 408+00	LT/RT	1,270	ROADWAY	
F7	'FD RAB' 406+00	'FD RAB' 408+65	RT	263	PATH RIGHT	
TOTAL:				7,590	SY	

202.0004.0000 REMOVAL OF CULVERT PIPE							
SHEET	INLET		OUTLET		SIZE (IN)	LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET			
F6	'FD RAB' 401+28	39.1' RT	'FD RAB' 401+92	39.7' RT	18	64	
F6	'FD RAB' 401+97	40.4' RT	'FD RAB' 402+03	40.1' RT	12	6	
F6	'FD RAB' 403+36	74.6' LT	'FD RAB' 403+73	82.2' LT	24	60	
F6	'FD RAB' 405+52	4.8' LT	'FD RAB' 405+73	93.0' LT	24	91	
F7	'FD RAB' 407+10	35.5' RT	'FD RAB' 407+33	38.4' RT	12	20	
F7	'FD RAB' 408+05	36.2' RT	'FD RAB' 408+44	36.5' RT	12	39	
TOTAL:					280	LF	

202.0009.0000 REMOVAL OF CURB AND GUTTER					
SHEET	FROM STATION	TO STATION	OFFSET	LENGTH (LF)	REMARKS
F6	'FD RAB' 403+76	'FD RAB' 404+23	RT	58	
F6	'FD RAB' 404+81	'FD RAB' 404+81	RT	52	
TOTAL:				110	LF

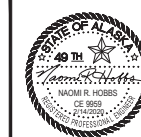
203.0003.0000 UNCLASSIFIED EXCAVATION				
SHEET	START STATION	END STATION	VOLUME (CY)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 406+00	1,285	
F7	'FD RAB' 406+00	'FD RAB' 408+02	287	
TOTAL:			1,572	CY
ROUNDED TOTAL:			1,600	CY

203.0006.0000 BORROW, TYPE D				
SHEET	START STATION	END STATION	VOLUME (TON)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 406+00	4,244	
F7	'FD RAB' 406+00	'FD RAB' 408+02	640	
TOTAL:			4,884	
ROUNDED TOTAL:			4,900	TON

203.0009.0000 OBLITERATION OF ROADWAY					
SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
F6	'FD RAB' 403+51	'FD RAB' 403+79	LT	172	
TOTAL:				172	SY

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

 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
**SUMMARY SHEETS -
 ADD. ALT. 1**

FILE C:\G1\11_30_Projects\1010\2A\10776-02\G1\11\SA-C-SU-D-70776.dwg
 DATE 2/13/2020 LAYOUT D7
 DESIGNED HORBS
 CHECKED INBLE
 DRAFTER WESTPHAL
 PHONE (907) 760-3533
 (907) 760-3533
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	D7	D9

301.0001.00D1 AGGREGATE BASE COURSE, GRADING D-1

SHEET	START STATION	END STATION	OFFSET	WEIGHT (TON)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 406+00	LT/RT	1,104	ROADWAY
F7	'FD RAB' 406+00	'FD RAB' 408+02	LT/RT	286	ROADWAY
F6	'FD RAB' 400+92	'FD RAB' 402+07	RT	53	APPROACH
F6	'FD RAB' 402+94	'FD RAB' 403+48	LT	75	APPROACH
F6	'FD RAB' 403+18	'FD RAB' 403+38	LT	16	GRAVEL APPROACH
F7	'FD RAB' 408+03	'FD RAB' 408+45	RT	24	APPROACH
F6	'FD RAB' 400+25	'FD RAB' 403+65	LT/RT	114	HMA MEDIAN
F6	'FD RAB' 405+34	'FD RAB' 407+81	LT/RT	55	HMA MEDIAN
F6	'FD RAB' 404+09	'FD RAB' 404+88	LT/RT	34	TRUCK APRON
F6	'FD RAB' 403+77	'FD RAB' 403+88	LT	8	FD ROUNDABOUT SOUTH MEDIAN
F6	'FD RAB' 404+50	'FD RAB' 404+55	LT/RT	16	FD ROUNDABOUT EAST MEDIAN
F6	'FD RAB' 405+10	'FD RAB' 405+22	LT/RT	9	FD ROUNDABOUT NORTH MEDIAN
F6	'FD RAB' 401+60	'FD RAB' 401+80	LT	4	BUS SHELTER PAD
F7	'FD RAB' 406+32	'FD RAB' 406+52	RT	4	BUS SHELTER PAD
F6	'FD RAB' 400+25	'FD RAB' 401+19	RT	25	PATH
F6	'FD RAB' 401+84	'FD RAB' 404+22	RT	93	PATH
F6	'FD RAB' 404+89	'FD RAB' 406+00	RT	67	PATH
F6	'FD RAB' 400+25	'FD RAB' 403+25	LT	78	PATH
F6	'FD RAB' 403+48	'FD RAB' 406+00	LT	71	PATH
F7	'FD RAB' 406+00	'FD RAB' 408+14	RT	54	PATH
F7	'FD RAB' 408+39	'FD RAB' 408+65	RT	5	PATH
F7	'FD RAB' 406+00	'FD RAB' 406+16	LT	5	PATH
				TOTAL:	2,200 TONS
				ROUNDED TOTAL:	2,200 TONS

306.0001.0000 ATB

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 406+00	772	ROADWAY
F7	'FD RAB' 406+00	'FD RAB' 408+02	200	ROADWAY
			TOTAL:	972 TON
			ROUNDED TOTAL:	1,000 TON

306.0002.5828 ASPHALT BINDER, GRADE PG 58-28

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F6-F7	'FD RAB' 400+25	'FD RAB' 408+02	50	5.0% OF 306(1)
			TOTAL:	50 TON

401.0001.003B HMA, TYPE III; CLASS B

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 403+65	60	MEDIAN
F6	'FD RAB' 400+92	'FD RAB' 402+07	28	APPROACH
F6	'FD RAB' 402+94	'FD RAB' 403+48	39	APPROACH
F6-F7	'FD RAB' 405+34	'FD RAB' 407+81	29	MEDIAN
F7	'FD RAB' 408+03	'FD RAB' 408+45	13	APPROACH
			TOTAL:	169 TON
			ROUNDED TOTAL:	200 TON

401.0004.5828 ASPHALT BINDER, GRADE PG 58-28

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F6-F7	'FD RAB' 400+25	'FD RAB' 408+02	12	6.0% OF 401(1A)
			TOTAL:	12 TON

401.0005.003B HMA, TEMPORARY, TYPE III; CLASS B

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F6-F7	'FD RAB' 400+25	'FD RAB' 408+45	150	DETOUR
			TOTAL:	150 TON

402.0001.STE1 STE-1 ASPHALT FOR TACK COAT

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 406+00	2.8	
F7	'FD RAB' 406+00	'FD RAB' 408+02	0.8	
			TOTAL:	3.6 TON
			ROUNDED TOTAL:	4.0 TON

408.2001.000A HMA, SP; TYPE A

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 406+00	386	ROADWAY
F7	'FD RAB' 406+00	'FD RAB' 408+02	100	ROADWAY
			TOTAL:	486 TON
			ROUNDED TOTAL:	500 TON

408.2004.5828 ASPHALT BINDER, GRADE PG 58-28

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F6-F7	'FD RAB' 400+25	'FD RAB' 408+02	30	6.0% OF 408(1A)
			TOTAL:	30 TON

603.0021.0012 CORRUGATED POLYETHYLENE PIPE 12 INCH

SHEET	PIPE ID	INLET			OUTLET			SLOPE	LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
F6	P-27	'FD RAB' 400+96	52.3' RT	43.53	'FD RAB' 400+71	36.5' RT	43.45	0.28%	30	
F6	P-28	'FD RAB' 401+77	54.6' RT	43.77	'FD RAB' 401+24	53.2' RT	43.61	0.29%	54	
F6	P-34	'FD RAB' 403+48	114.9' LT	43.27	'FD RAB' 403+21	75.7' LT	42.55	1.31%	55	
F7	P-40	'FD RAB' 408+51	35.2' RT	45.11	'FD RAB' 408+01	51.3' RT	43.89	2.32%	53	
								TOTAL:	192	LF

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

Jim Bergeron 2.15.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**
**SUMMARY SHEETS -
ADD. ALT. 1**

FILE C:\G111_30_Projects\182018\2A\10776-02\G111\SA-CI-SU-D-70776.dwg
 DATE 2/13/2020 LAYOUT DB
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 DESIGNED HOBBS
 CHECKED INBLE
 DRAFTER WESTPHAL
 CERTIFICATE OF AUTH #1 ACUBAB

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	3/12/20	STRUCTURE TYPE CLARIFICATION	ALASKA	Z676220000	2020	D8	D9

603.0021.0018 CORRUGATED POLYETHYLENE PIPE 18 INCH										
SHEET	PIPE ID	INLET			OUTLET			SLOPE	LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
F6	P-26	'FD RAB' 400+34	7.8' LT	43.59	'FD RAB' 400+36	35.3' RT	43.43	0.37%	44	
F6	P-29	'FD RAB' 401+64	32.5' LT	43.21	'FD RAB' 402+10	27.2' RT	43.06	0.20%	76	
F6	P-30	'FD RAB' 402+10	27.2' RT	43.06	'FD RAB' 402+92	26.0' RT	42.85	0.26%	82	
F6	P-31	'FD RAB' 402+92	28.0' RT	42.85	'FD RAB' 402+39	56.2' LT	42.55	0.30%	100	
F6	P-32	'FD RAB' 403+79	32.9' LT	45.02	'FD RAB' 402+92	28.0' RT	44.13	0.82%	109	
F6	P-35	'FD RAB' 404+23	77.1' RT	43.98	'FD RAB' 404+75	70.8' RT	43.74	0.46%	53	
F6	P-36	'FD RAB' 404+75	70.8' RT	43.74	'FD RAB' 405+52	28.6' RT	43.35	0.36%	110	
TOTAL:									574	LF

604.0005.000A INLET, TYPE A						
SHEET	STRUCTURE ID	STATION	OFFSET	RIM ELEVATION (FT)	QUANTITY (EA)	TYPE OF CASTING
F6	S-21	'FD RAB' 400+34	7.6' LT	47.09	1	GRATE & CURB INLET
F6	S-26	'FD' 500+77	25.9' RT	47.48	1	GRATE & CURB INLET
TOTAL:					2	EA

603.0021.0024 CORRUGATED POLYETHYLENE PIPE 24 INCH										
SHEET	PIPE ID	INLET			OUTLET			SLOPE	LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
F6	P-37	'FD RAB' 405+22	34.8' LT	43.16	'FD RAB' 404+43	105.3' LT	42.97	0.20%	95	
F6	P-38	'FD RAB' 405+52	28.6' RT	43.35	'FD RAB' 404+22	34.8' LT	43.16	0.27%	70	
F6+F7	P-39	'FD RAB' 406+65	47.1' RT	43.65	'FD RAB' 405+52	28.6' RT	43.35	0.26%	114	
TOTAL:									279	LF

604.2002.0000 OIL WATER SEPARATOR TYPE II							
SHEET	STRUCTURE ID	STATION	OFFSET	RIM ELEVATION (FT)	QUANTITY (EA)	TYPE OF CASTING	REMARKS
F6	S-24	'FD RAB' 402+92	28.0' RT	47.29	1	GRATE & CURB INLET	CBJ STD DWG 305, EXCLUDED FROM REQUIREMENTS OF SEC. 604 IN SPECS
F6	S-29	'FD RAB' 405+22	34.8' LT	47.97	1	GRATE & CURB INLET	
TOTAL:					2	EA	

603.0021.0030 CORRUGATED POLYETHYLENE PIPE 30 INCH										
SHEET	PIPE ID	INLET			OUTLET			SLOPE	LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
F6	P-33	'FD RAB' 403+54	76.3' LT	42.60	'FD RAB' 403+23	72.6' LT	42.52	0.20%	43	
TOTAL:									43	LF

608.0001.0006 CONCRETE SIDEWALK, 6 INCHES THICK					
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F6	'FD RAB' 401+60	'FD RAB' 401+80	LT	16	BUS STOP PAD
F7	'FD RAB' 406+32	'FD RAB' 406+52	RT	16	BUS STOP PAD
TOTAL:				32	SY

604.0001.0001 STORM SEWER MANHOLE, TYPE I							
SHEET	STRUCTURE ID	STATION	OFFSET	RIM ELEVATION (FT)	QUANTITY (EA)	TYPE OF CASTING	REMARKS
F6	S22	'FD RAB' 401+64	32.5' LT	46.71	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F6	S23	'FD RAB' 402+11	26.5' RT	46.97	1	GRATE & CURB INLET	
F6	S25	'FD RAB' 403+79	32.9' LT	48.80	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
F6	S27	'FD' 500+71	26.0' LT	47.24	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
TOTAL:					4	EA	

608.0003.0000 ASPHALT SIDEWALK					
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 401+19	RT	105	
F6	'FD RAB' 401+84	'FD RAB' 404+22	RT	392	
F6	'FD RAB' 404+89	'FD RAB' 406+00	RT	279	
F6	'FD RAB' 400+25	'FD RAB' 403+25	LT	329	
F6	'FD RAB' 403+48	'FD RAB' 406+00	LT	298	
F7	'FD RAB' 406+00	'FD RAB' 408+14	RT	227	
F7	'FD RAB' 408+39	'FD RAB' 408+53	RT	19	
F7	'FD RAB' 406+00	'FD RAB' 406+16	LT	19	
TOTAL:				1,668	SY

604.0001.0002 STORM SEWER MANHOLE, TYPE II							
SHEET	STRUCTURE ID	STATION	OFFSET	RIM ELEVATION (FT)	QUANTITY (EA)	TYPE OF CASTING	REMARKS
F6	S-28	'FD RAB' 405+52	28.6' RT	47.35	1	GRATE & CURB INLET	CBJ STD DWG 303 & 308
TOTAL:					1	EA	

608.0006.0000 CURB RAMP				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F6	'FD RAB' 403+68	31' RT	1	PATH ACCESS
F6	'FD RAB' 404+25	92' RT	1	PATH ACCESS
F6	'FD RAB' 403+64	30' LT	1	PATH ACCESS
F6	'FD RAB' 403+68	9' LT	1	ROUNDABOUT MEDIAN
F6	'FD RAB' 403+70	9' RT	1	ROUNDABOUT MEDIAN
F6	'FD RAB' 404+45	90' RT	1	ROUNDABOUT MEDIAN
F6	'FD RAB' 404+54	90' RT	1	ROUNDABOUT MEDIAN
F6	'FD RAB' 404+74	89' RT	1	PATH ACCESS
F6	'FD RAB' 405+31	30' RT	1	PATH ACCESS
F6	'FD RAB' 405+42	31' LT	1	PATH ACCESS
F6	'FD RAB' 405+29	7' RT	1	ROUNDABOUT MEDIAN
F6	'FD RAB' 405+32	11' LT	1	ROUNDABOUT MEDIAN
TOTAL:			12	EA

604.0003.0000 RECONSTRUCT EXISTING MANHOLE				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F6	'FD RAB' 403+13	37.2' RT	1	SANITARY SEWER CBJ STD DWG 205 & 206A
TOTAL:			1	EA

604.0004.0000 ADJUSTING EXISTING MANHOLE				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F6	'FD RAB' 401+69	50.5' RT	1	SANITARY SEWER CBJ STD DWG 203 & 205
F6	'NECS' 1+42	0.2' LT	1	SANITARY SEWER MANHOLE CBJ STD DWG 203 & 205
TOTAL:			2	EA

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

Jim Bergman 2.15.23
 Signature Date



ADDENDUM NO. 1

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

**SUMMARY SHEETS -
 ADD. ALT. 1**

9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORBS
 CHECKED INGLE
 DRAFTER WESTPHAL
 CERTIFICATE OF AUTH #1 AECUB48
 DATE 2/13/2020 LAYOUT D9
 FILE C:\G1\11_30_Projects\2019\2A\20776-02\G1\11\SA-CI-SU-D-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	D9	D9

608.2013.0005 CONCRETE SLABS, COLORED AND PATTERNED IMPRINTED, 4 INCHES THICK

SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F6	'FD RAB' 403+77	'FD RAB' 403+88	LT/RT	32	
F6	'FD RAB' 404+50	'FD RAB' 404+55	RT	64	
F6	'FD RAB' 405+10	'FD RAB' 405+22	LT/RT	38	
TOTAL:				134	SY

627.0010.0000 ADJUSTMENT OF VALVE BOX

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F6	'FD RAB' 403+45	48.0' LT	2	
F6	'FD RAB' 403+89	53.2' LT	2	
TOTAL:			4	EA

608.2027.0000 CONCRETE SIDEWALK, 8 INCHES THICK

SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F6	'FD RAB' 404+09	'FD RAB' 404+88	LT/RT	142	TRUCK APRON
TOTAL:				142	SY

635.0001.0000 INSULATION BOARD

SHEET	STATION	OFFSET	QUANTITY (MBM)	REMARKS
F6	'FD RAB' 401+50	LT	.13	
F6	'FD RAB' 404+25	RT	.13	
F6	'FD RAB' 404+50	LT	.13	
TOTAL:			.39	MBM
ROUNDED TOTAL:			1	MBM

609.0002.0001 CURB AND GUTTER, TYPE 1

SHEET	FROM STATION	OFFSET	TO STATION	OFFSET	LENGTH (LF)	REMARKS
F6	'FD RAB' 401+78	RT	'FD RAB' 403+06	RT	122	
F6	'FD RAB' 403+00	RT	'FD' 501+45	RT	208	
F6	'FD RAB' 400+25	LT/RT	'FD RAB' 403+90	LT/RT	805	FLOYD DRYDEN SOUTH MEDIAN
F6	'FD RAB' 401+16	LT	'FD RAB' 403+30	LT	227	
F6	'FD' 500+59	LT/RT	'FD' 501+35	LT/RT	427	FLOYD DRYDEN EAST MEDIAN
F6	'FD RAB' 403+49	LT	'FD RAB' 406+05	LT	281	
F6-F7	'FD' 501+35	LT	'FD RAB' 406+99	RT	320	
F6-F7	'FD RAB' 405+08	LT/RT	'FD RAB' 407+83	LT/RT	630	FLOYD DRYDEN NORTH MEDIAN
F6	'FD RAB' 404+09	LT/RT	'FD RAB' 404+90	LT/RT	253	FLOYD DRYDEN CIRCLE
F6-F7	'FD RAB' 403+49	LT	'FD RAB' 406+05	LT	281	
TOTAL:					3,554	LF

639.2000.0000 APPROACH

SHEET	STATION	OFFSET	TYPE			RADIUS (FT)	WIDTH (FT)	REMARKS
			PUBLIC (EA)	RES. (EA)	COMM. (EA)			
F6	'FD RAB' 401+50	RT	1			45	28.8	CHANNCIE COURT
F6	'FD RAB' 402+86	LT	1			45	21.8	N. EL CAMINO STREET
F6	'FD RAB' 404+51	RT	1			45	36.4	FLOYD DRYDEN ACCESS ROAD
F6	'NECS' 1+09	LT		1		-	46.7	GRAVEL DRIVEWAY
F7	'FD RAB' 408+22	RT			1	-	-	AMERIGAS DRIVEWAY - FOR CULVERT INSTALLATION, MATCH EXISTING
TOTAL:			3	1	1			EA

618.0002.0000 SEEDING

SHEET	FROM STATION	TO STATION	QUANTITY (LB)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 406+00	38	
F7	'FD RAB' 406+00	'FD RAB' 408+02	7	
TOTAL:			45	LB

671.2001.0000 BANK CONSTRUCTION, BANK REVEGETATION AND PROTECTION

SHEET	START STATION	END STATION	OFFSET	LENGTH (FT)	REMARKS
F6	'FD RAB' 403+50	'FD RAB' 403+74	LT	47	N. EL CAMINO ST.

620.0001.0000 TOPSOIL

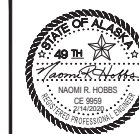
SHEET	FROM STATION	TO STATION	AREA (SY)	REMARKS
F6	'FD RAB' 400+25	'FD RAB' 406+00	2,899	
F7	'FD RAB' 406+00	'FD RAB' 408+02	526	
TOTAL:				3,425 SY

671.2001.0000 BANK CONSTRUCTION, CHANNEL GRADING

SHEET	START STATION	END STATION	OFFSET	LENGTH (FT)	REMARKS
F6	'FD RAB' 403+50	'FD RAB' 403+74	LT	47	N. EL CAMINO ST.

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

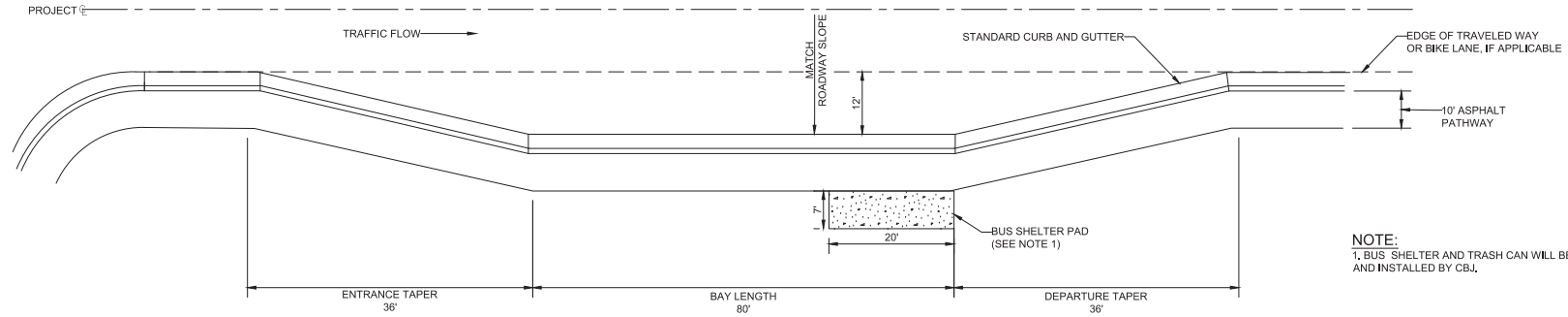
 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
**SUMMARY SHEETS -
 ADD. ALT. 1**

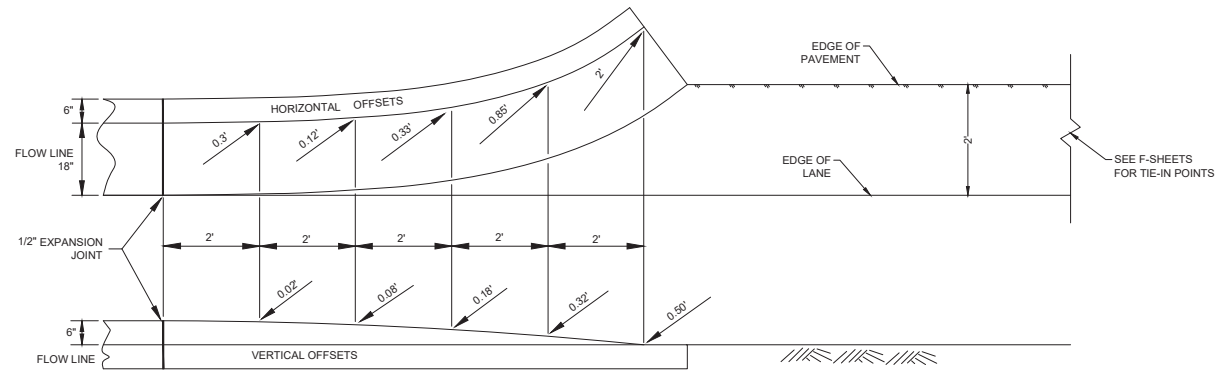
PROJECT: 9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE: (907) 760-3633
 CERTIFICATE OF AUTH # | ALCB48
 DESIGNED: HOBBS
 CHECKED: NOBLE
 DRAFTED: WESTPHAL
 DATE: 2/13/2020
 LAYOUT: E1
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	E1	E6



NOTE:
 1. BUS SHELTER AND TRASH CAN WILL BE PROVIDED AND INSTALLED BY CBI.

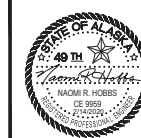
BUS PULLOUT DETAIL
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CURB TERMINATION DETAIL
 NTS

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

Jim Benjamin 2.10.23
 Signature Date



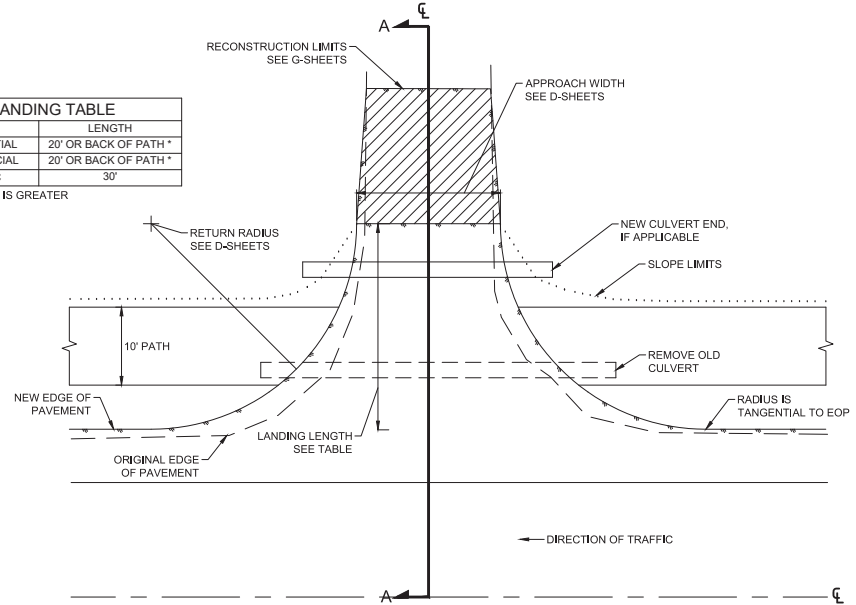
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 MISCELLANEOUS
 DETAILS

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT E2
 PHONE (907) 780-3633 CHECKED HOBBS
 CERTIFICATE OF AUTH #1 ACUB48 DRAFTED WESTPHAL

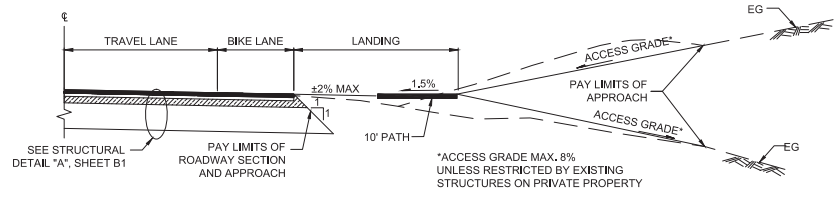
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	E2	E6

TYPE	LENGTH
RESIDENTIAL	20' OR BACK OF PATH *
COMMERCIAL	20' OR BACK OF PATH *
PUBLIC	30'

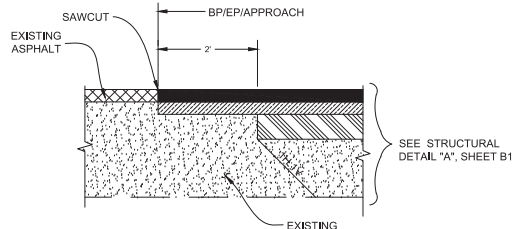
*WHICHEVER IS GREATER



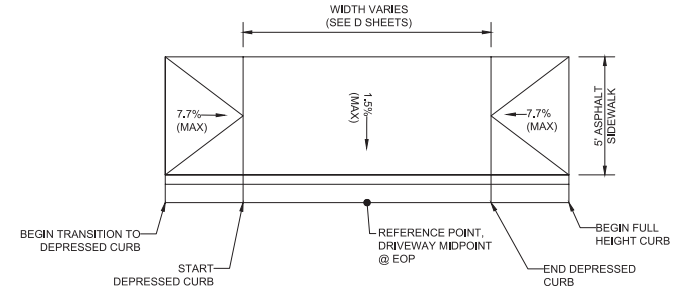
APPROACH - PLAN VIEW
NTS



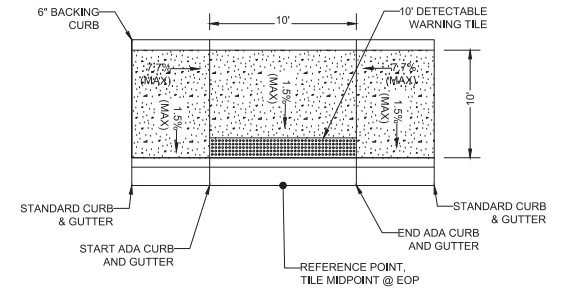
SECTION A-A, TYPICAL APPROACH PROFILE
NTS



PAVEMENT MATCH JOINT DETAIL
NTS



ASPHALT CURB CUT DETAIL
NTS



10' WIDE PARALLEL CURB RAMP DETAIL
NTS

NOTES:

- SEE APPROACH SUMMARY TABLE ON D-SHEETS FOR APPROACH WIDTHS AND RETURN RADII.
- SEE G-SHEETS FOR ADDITIONAL DETAILS.

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

Jim Bergan 2.10.23
 Signature Date



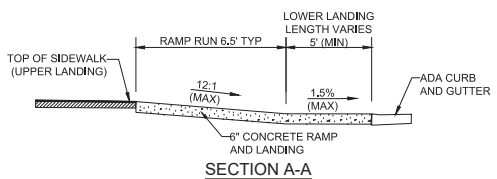
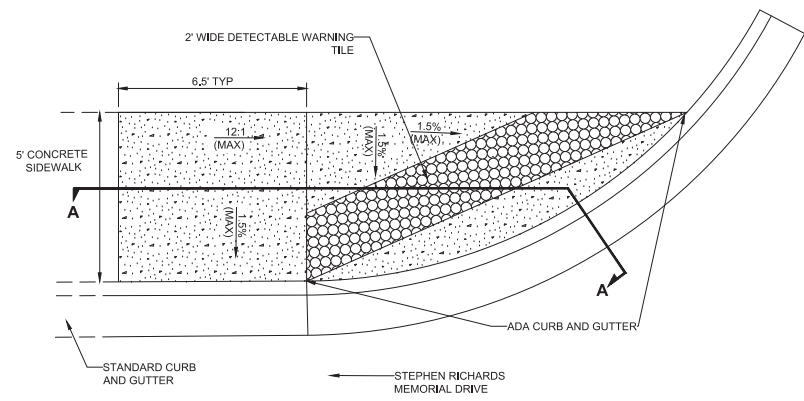
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS

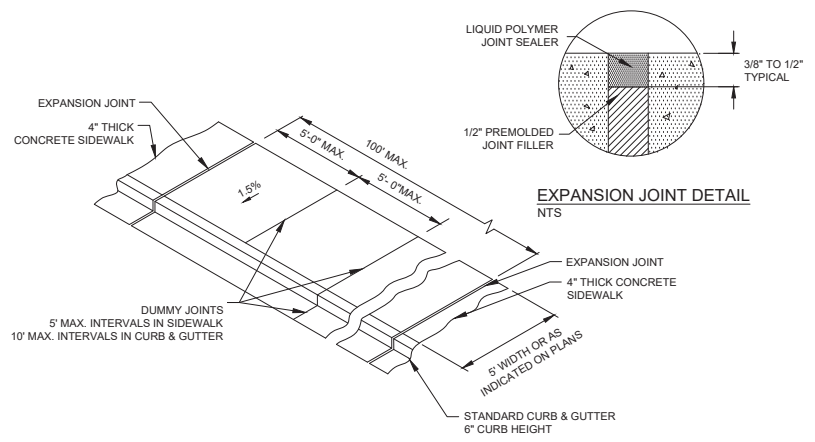
MISCELLANEOUS
 DETAILS

CERTIFICATE OF AUTH #1 ALCUB48
 DRAFTED WESTPHAL
 CHECKED INGLE
 DESIGNED HOBBS
 PHONE (907) 760-3633
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT E3
 FILE C:\G1\11_30_Projects\2018\2A\20776-22\G1\11\SA-C-01-E-20776.dwg

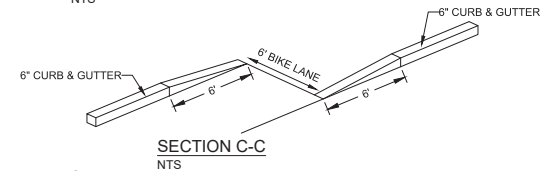
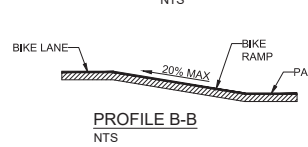
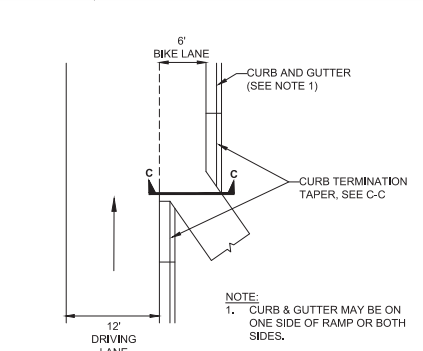
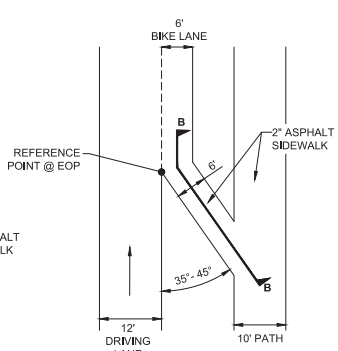
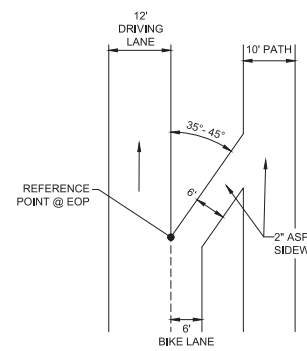
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	E3	E6



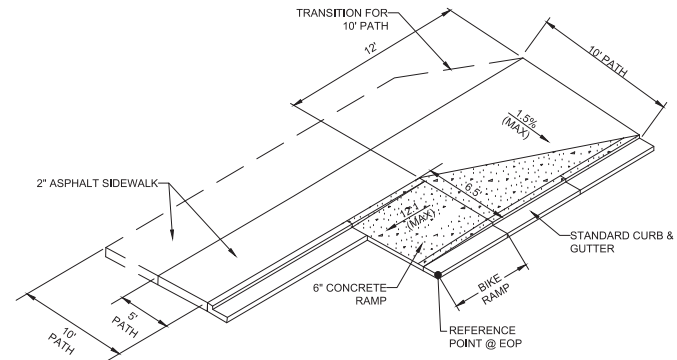
UNIDIRECTIONAL CURB RAMP
NTS



TYPICAL SIDEWALK, CURB AND GUTTER
NTS



DIAGONAL BIKE RAMP DETAILS
NTS



Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 Jim Bergman 2.10.23
 Signature Date

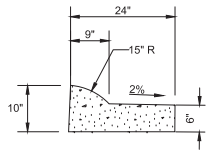


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 MISCELLANEOUS DETAILS

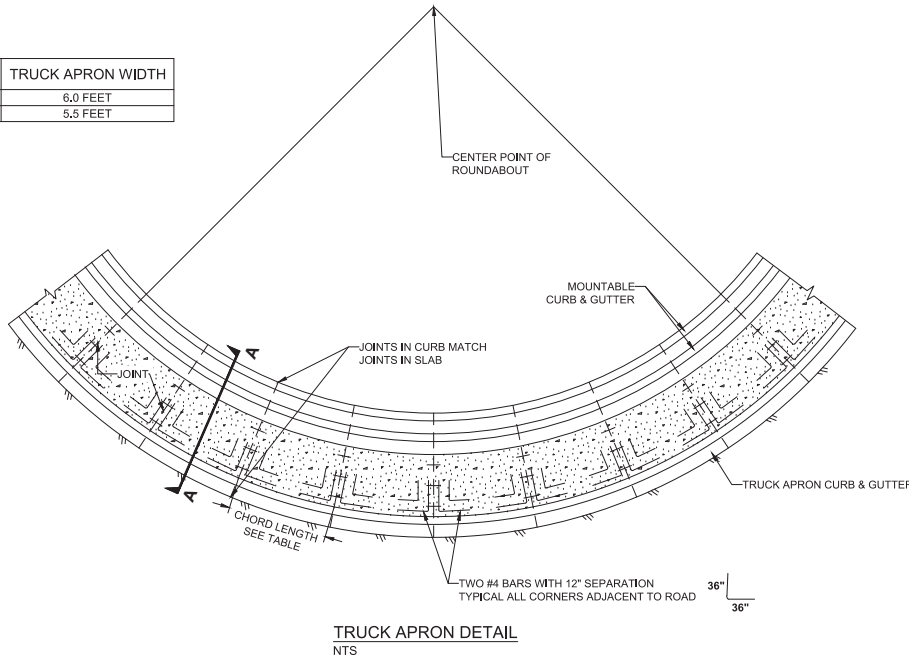
CERTIFICATE OF AUTH # | AECUB48
 DRAFTED | WESTPHAL
 CHECKED | NOBLE
 DESIGNED | HOBBS
 PHONE | (907) 760-3633
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE | 2/13/2020 | LAYOUT | E4
 FILE | C:\G1\11_30_Projects\2019\2A\20776-02\C1\1\SAC-C1-E-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	E4	E6

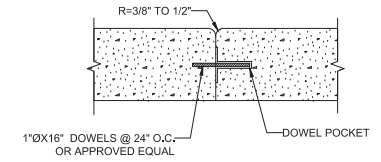
ROUNDBABOUT	CHORD LENGTH	TRUCK APRON WIDTH
STEPHEN RICHARDS	9.6 FEET	6.0 FEET
FLOYD DRYDEN (ADD. ALT. 1)	7.7 FEET	5.5 FEET



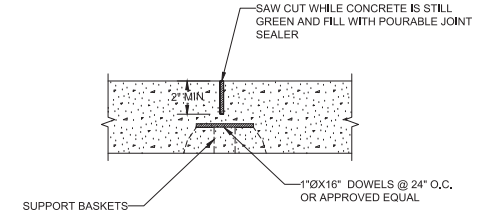
TRUCK APRON CURB & GUTTER



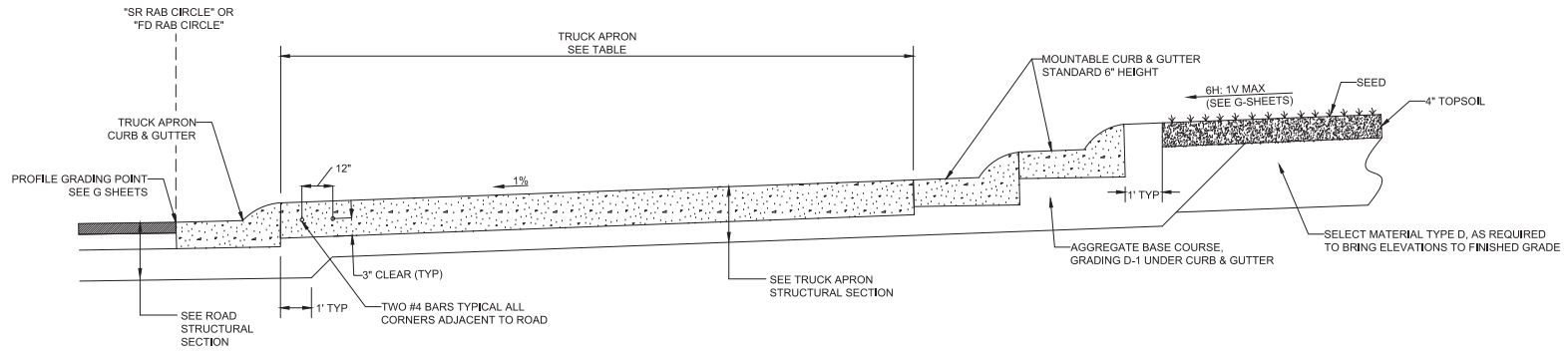
TRUCK APRON DETAIL
NTS



CONSTRUCTION JOINT DETAIL



CONTROL JOINT DETAIL



A-A TRUCK APRON CROSS SECTION
NTS

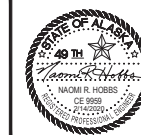
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Jim Burgan

Signature

2.10.23

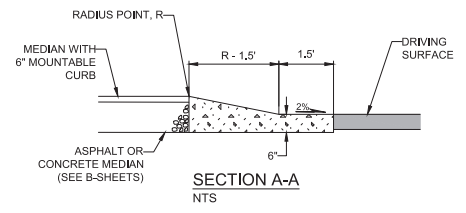
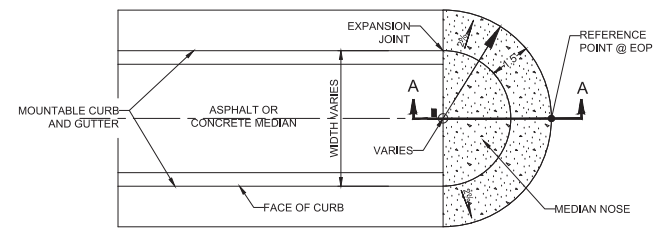
Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**
MISCELLANEOUS
DETAILS

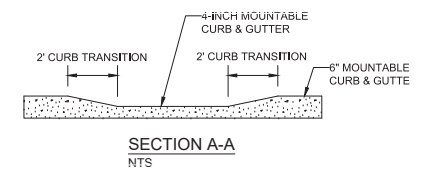
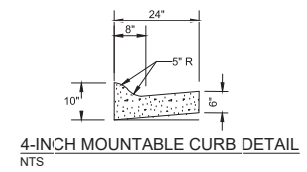
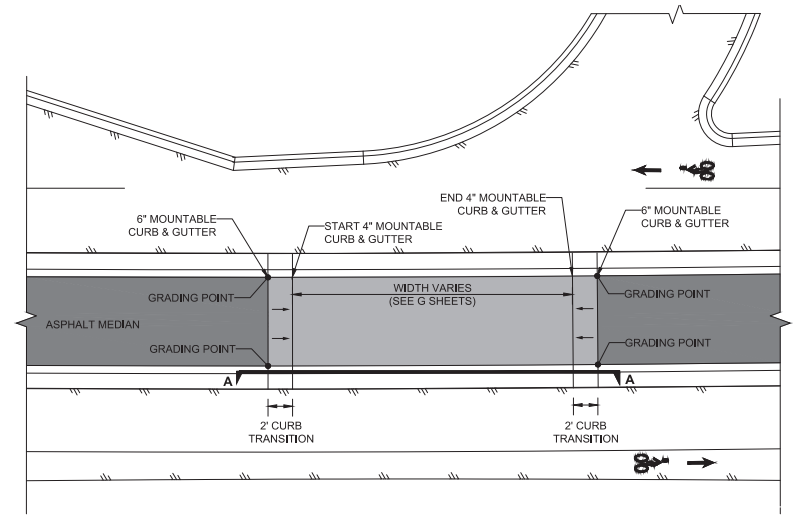
CERTIFICATE OF AUTH # J AECUB48
 DRAFTED WESTPHAL
 CHECKED INGLE
 DESIGNED HOBBS
 PHONE (907) 760-3633
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT ES
 FILE C:\G1\11_30_Projects\2019\2A\2019-02\G1\11\SA-C1-E-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	E5	E6

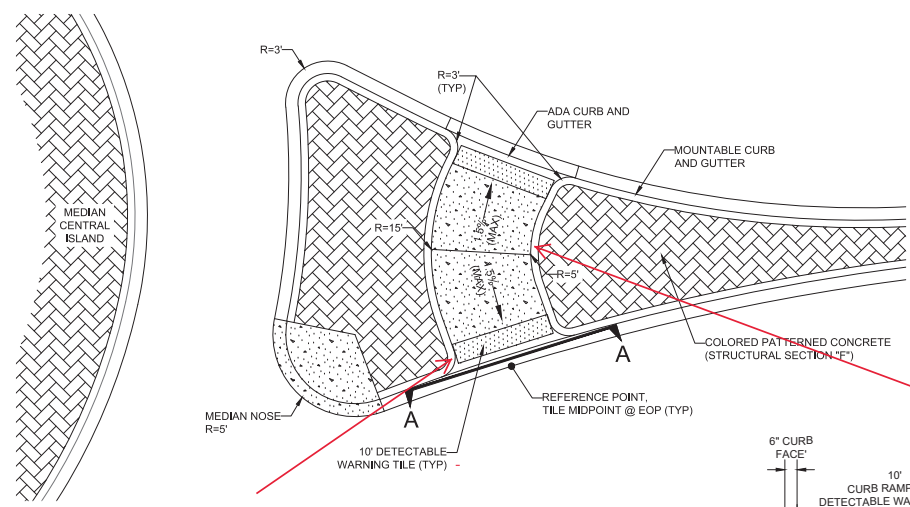


- NOTES:**
1. MEDIAN NOSE SHALL BE PAINTED WITH YELLOW REFLECTORIZED PAINT, SHAPING AND PAINTING ARE SUBSIDIARY.
 2. MONOLITHIC POUR.
 3. INSTALL MEDIAN NOSE PER SECTION 609, SUBSIDIARY TO SECTION 609(2).

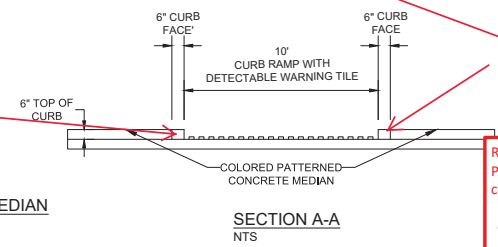
MEDIAN NOSE DETAIL
NTS



EMERGENCY VEHICLE ACCESS RAMP DETAIL
NTS



Is there a transition detail here that goes from a mountable curb to a standard curb. ?



SPECIAL CURB RAMP: ROUNDABOUT MEDIAN
NTS

SECTION A-A
NTS

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

Jim Bergman 2.15.23
Signature Date



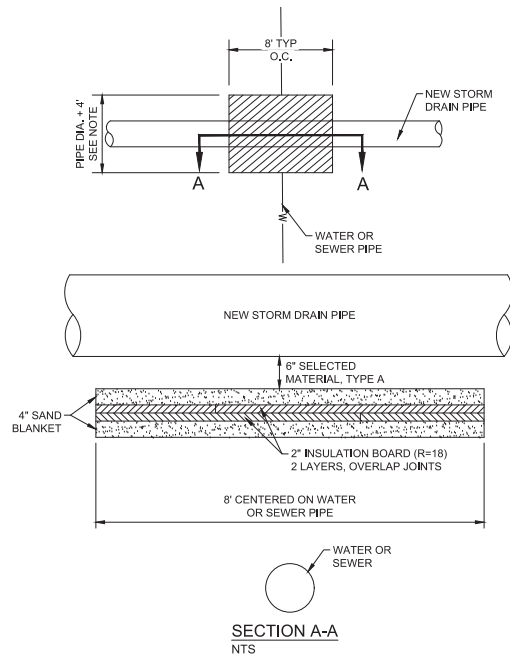
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

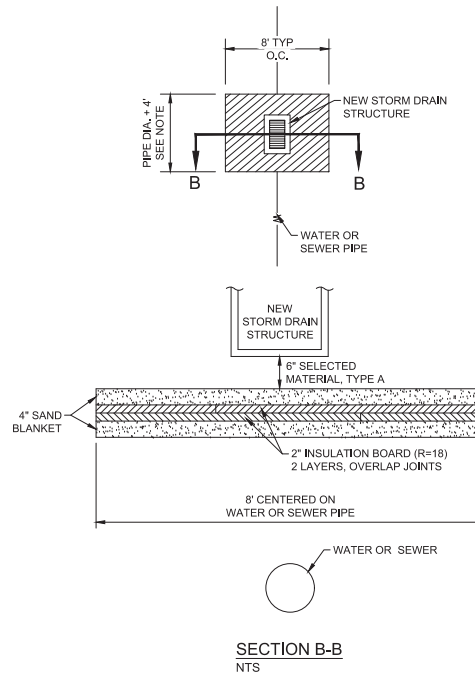
MISCELLANEOUS
DETAILS

CERTIFICATE OF AUTH # J AECUB48
 DRAWN WESTPHAL
 CHECKED INGBLE
 DESIGNED HOBBS
 PHONE (907) 760-3633
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 2/13/2020 LAYOUT EG
 DATE
 FILE C:\CVI\11_30_Projects\2019\2A\20776-02\CVI\11\SA-CI-01-E-70776.dwg

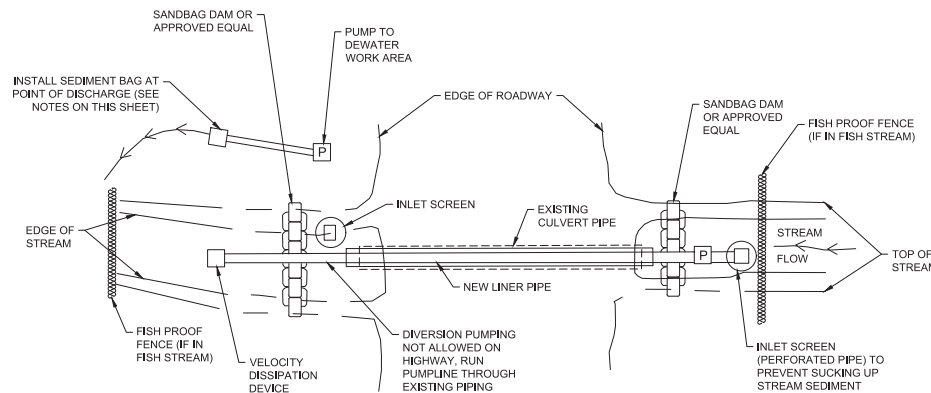
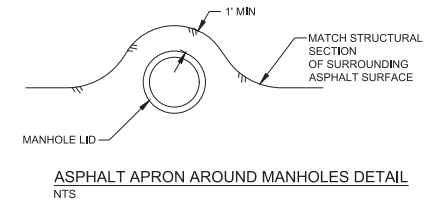
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	E6	E6



INSULATION BOARD UNDER STORM DRAIN PIPE - ELEVATION
NTS



INSULATION BOARD UNDER STORM DRAIN STRUCTURE - ELEVATION
NTS

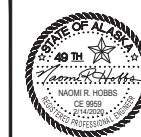


NOTES:

1. WHEN IN-STREAM WORK AREAS REQUIRE DEWATERING, THE PUMP DISCHARGE SHALL BE PLACED SO THAT THERE IS A MINIMUM OF 50 FEET OF VEGETATED AREAS BETWEEN THE DISCHARGE POINT AND THE STREAM BANK SUCH THAT DEWATERING DISCHARGE COMPLIES WITH STATE WATER QUALITY STANDARDS AS DESCRIBED IN 18 AAC 70, TURBIDITY FOR FRESHWATER USES. PUMP DISCHARGE PLACEMENT MAY REQUIRE FREQUENT REPOSITIONING OF THE DISCHARGE LOCATION AND/OR ADDITIONAL DISCHARGE TREATMENT METHODS SHALL BE NECESSARY.
2. MULTIPLE PUMPS MAY BE NECESSARY TO DEWATER WORK AREAS AND/OR MAINTAIN STREAM BY PASS FLOW. THE CONTRACTOR SHALL PROVIDE ADEQUATE QUANTITIES AND SIZES OF PUMPS.
3. PUMP SITE TO MAINTAIN STREAM FLOW DOWNSTREAM OF PIPE INSTALLATION. MAINTAIN FLOW AT FISH STREAMS.

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

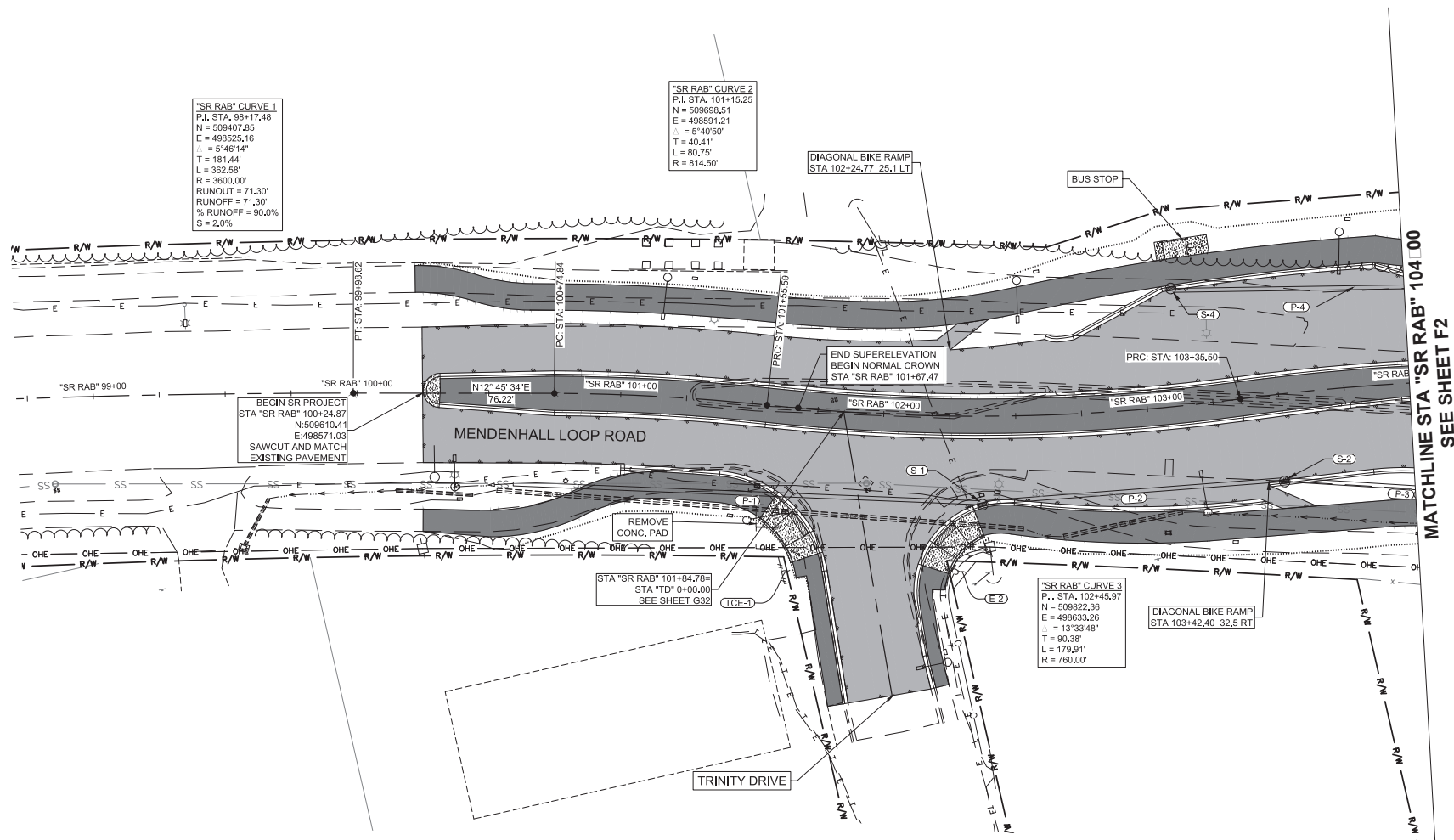

 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 MISCELLANEOUS
 DETAILS

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT F1
 PHONE (907) 760-3633
 DESIGNED HORBS
 CHECKED NOBLE
 DRAFTED WESTPAL
 CERTIFICATE OF AUTH # J AECUB48

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	F1	F8



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

Jim Bergman 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

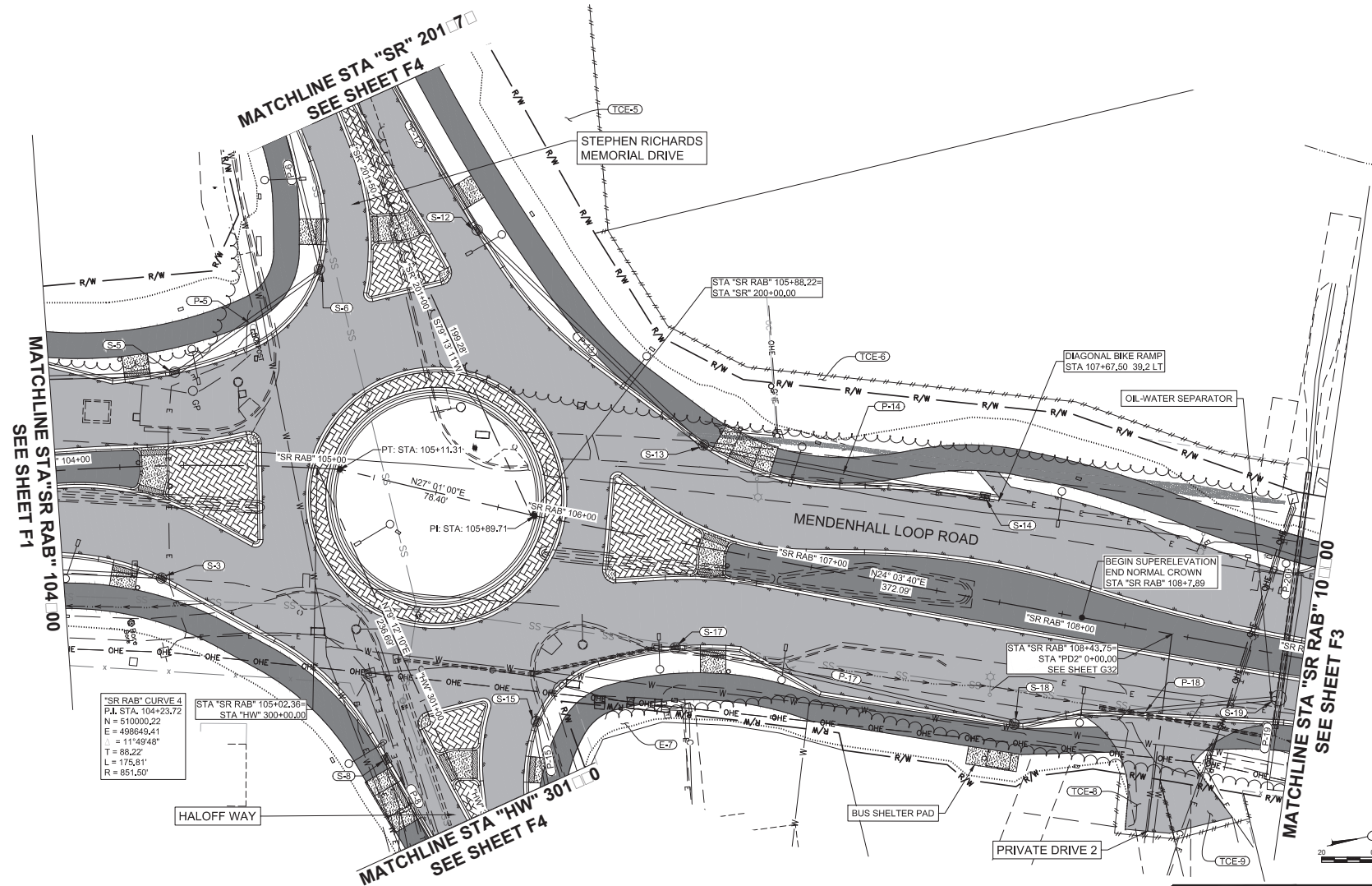
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

STEPHEN RICHARDS ROUNDABOUT
 PLAN VIEW

9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE (907) 760-3533
 DESIGNED HORBS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J AECUB48

DATE 2/13/2020 LAYOUT F2

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	F2	F8



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

Jim Bergman 2.15.23
 Signature Date



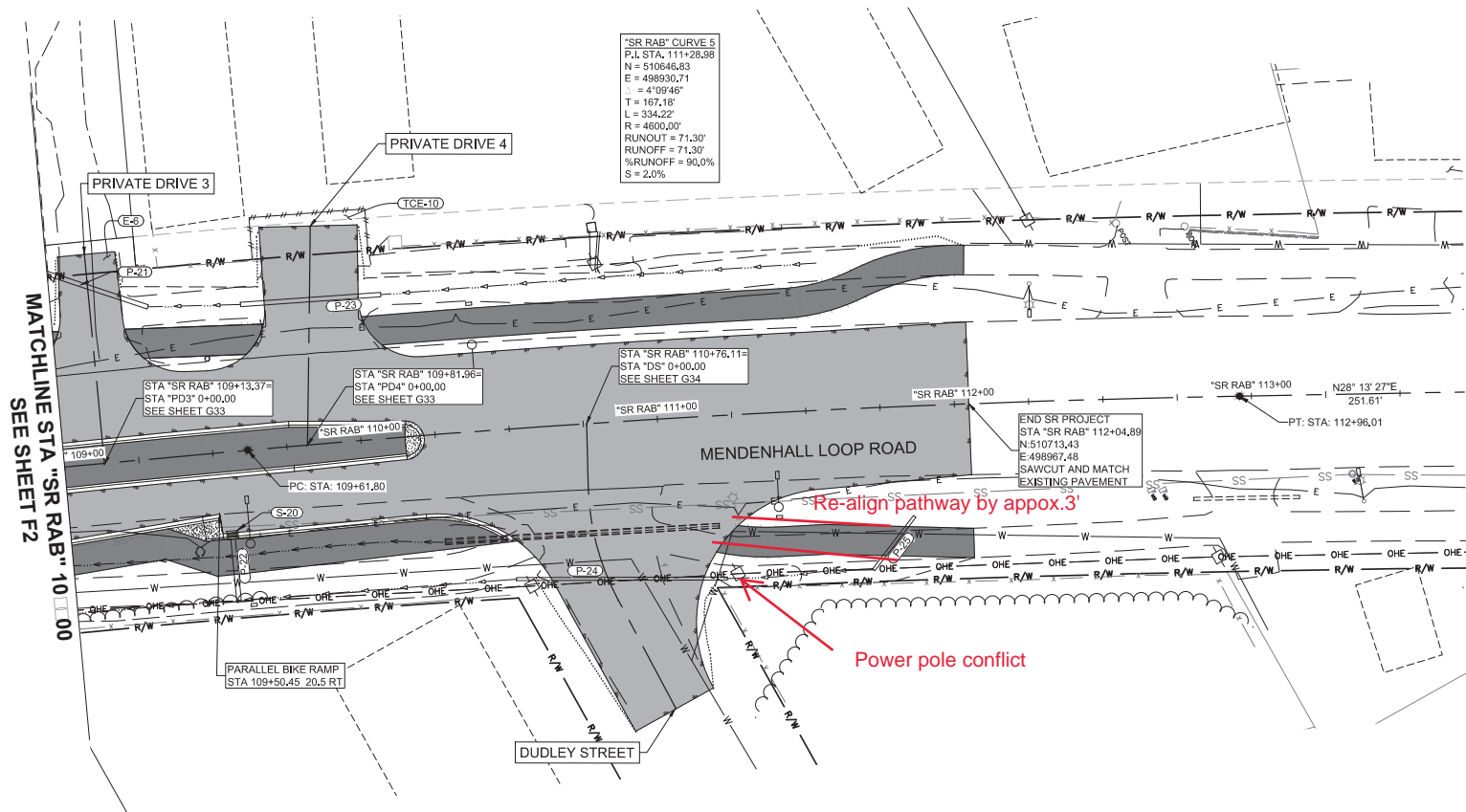
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

STEPHEN RICHARDS ROUNDABOUT
 PLAN VIEW

9065 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORRIS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J AECUB48
 DATE 2/13/2020 LAYOUT F3
 FILE C:\CIVIL\130\Projects\2019\2A\20776-02\CIVIL\SS-CI-60-F-20776.dwg

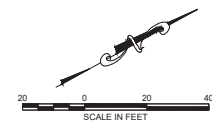
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	F3	F8



SEE ELECTRICAL SHEETS (J) FOR BASE BID WORK NORTH OF STEPHEN RICHARDS MEMORIAL DRIVE INTERSECTION.

Re-align pathway by approx. 3'

Power pole conflict



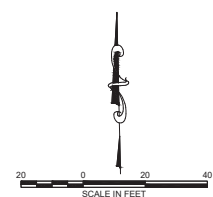
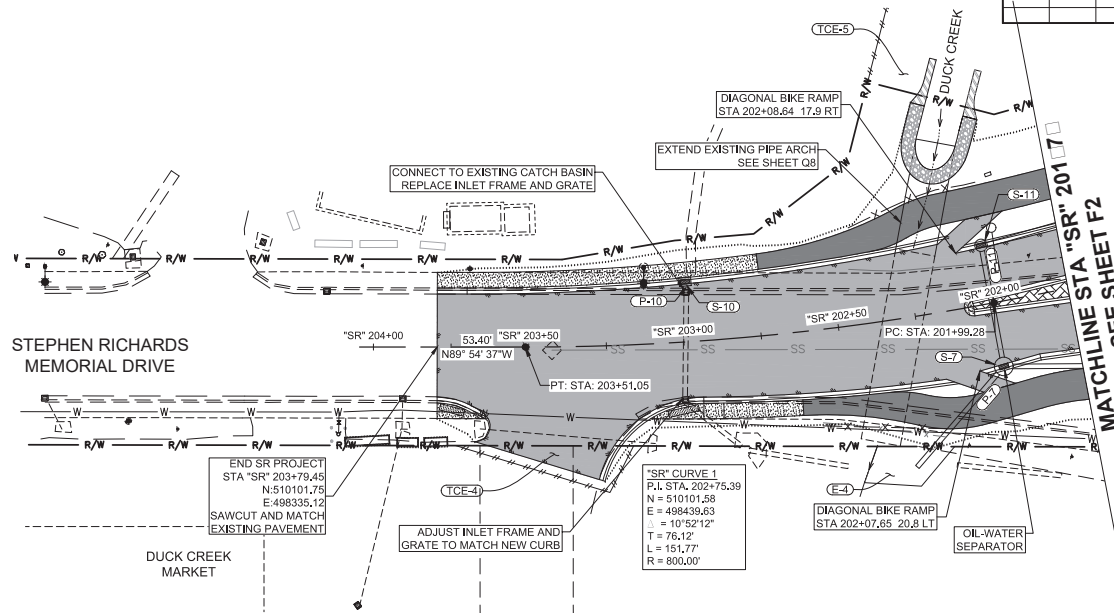
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 Signature: *Jim Bergan* Date: 2.15.23



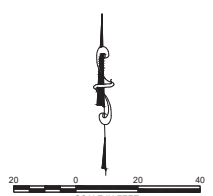
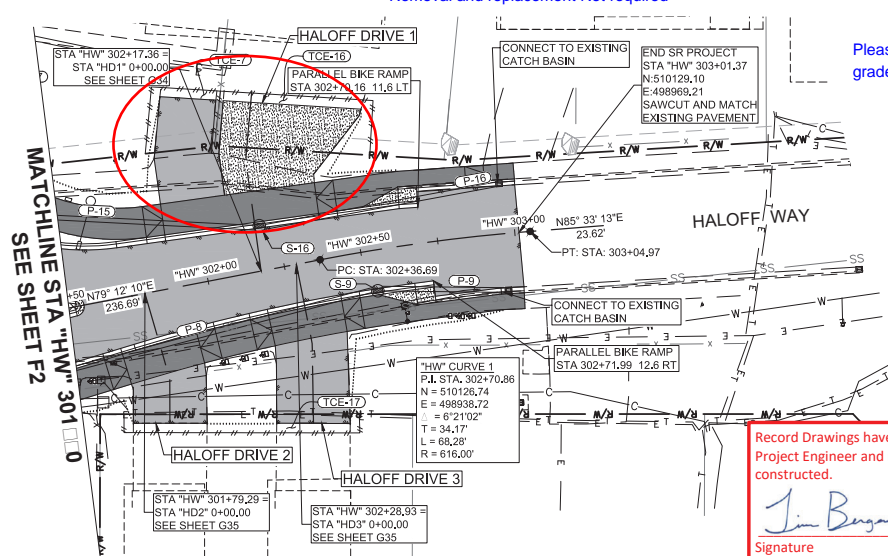
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 STEPHEN RICHARDS ROUNDABOUT PLAN VIEW

CERTIFICATE OF AUTH # | AECUB48
 DRAFTED | WESTPINAL
 CHECKED | NOBLE
 DESIGNED | HOBBS
 2/13/2020 | LAYOUT | F4
 DATE
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 2/13/2020 | LAYOUT | F4
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	F4	F8



Driveway issues. Removal and replacement Not required



Please confirm that it was designs intent to remove the concrete driveway and match to new sidewalk grade. Sorry We cant find this in quantities.

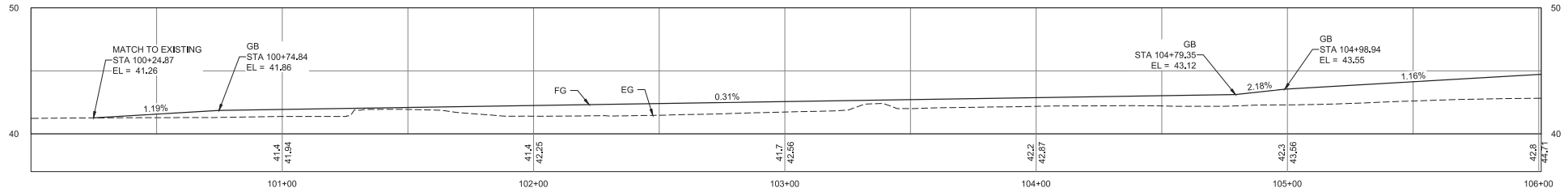
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
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Jim Bergan 2.15.23
 Signature Date



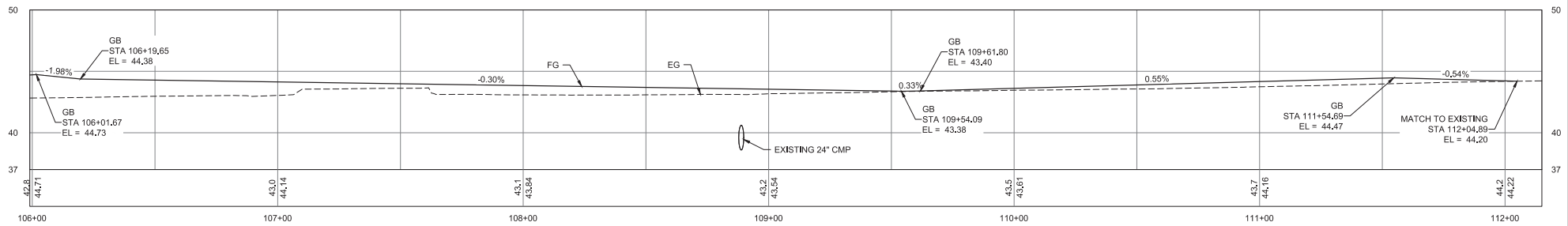
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PLAN VIEW

FILE: C:\G1\11_30_Projects\2019\2A\20776-02\C1\1\SC-C1-R0-F-70776.dwg
 DATE: 2/13/2020
 LAYOUT: FS
 DESIGNED: HORBS
 CHECKED: INBLE
 DRAFTED: WESTPHAL
 PHONE: (907) 760-3633
 CERTIFICATE OF AUTH #1 AELCB48

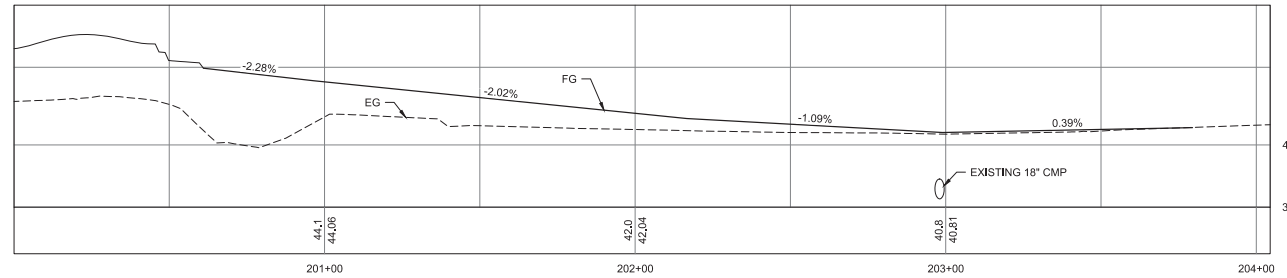
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	F5	F8



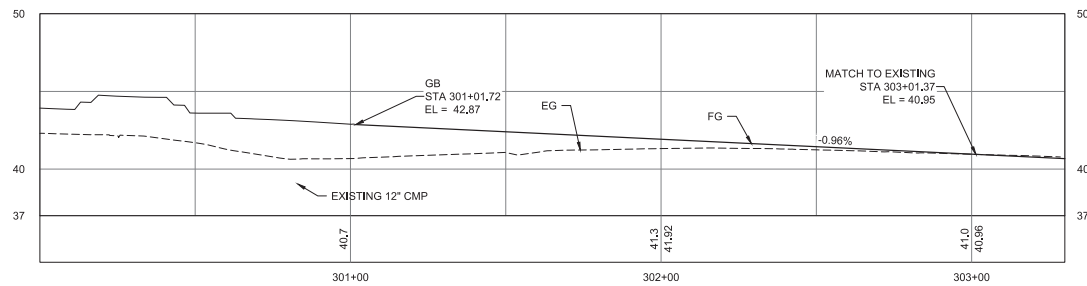
SR RAB CENTERLINE PROFILE



SR RAB CENTERLINE PROFILE (CONTINUED)

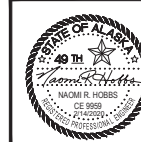


STEPHEN RICHARDS MEMORIAL DRIVE CENTERLINE PROFILE



HALOFF WAY CENTERLINE PROFILE

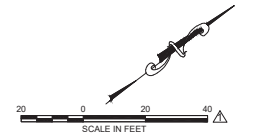
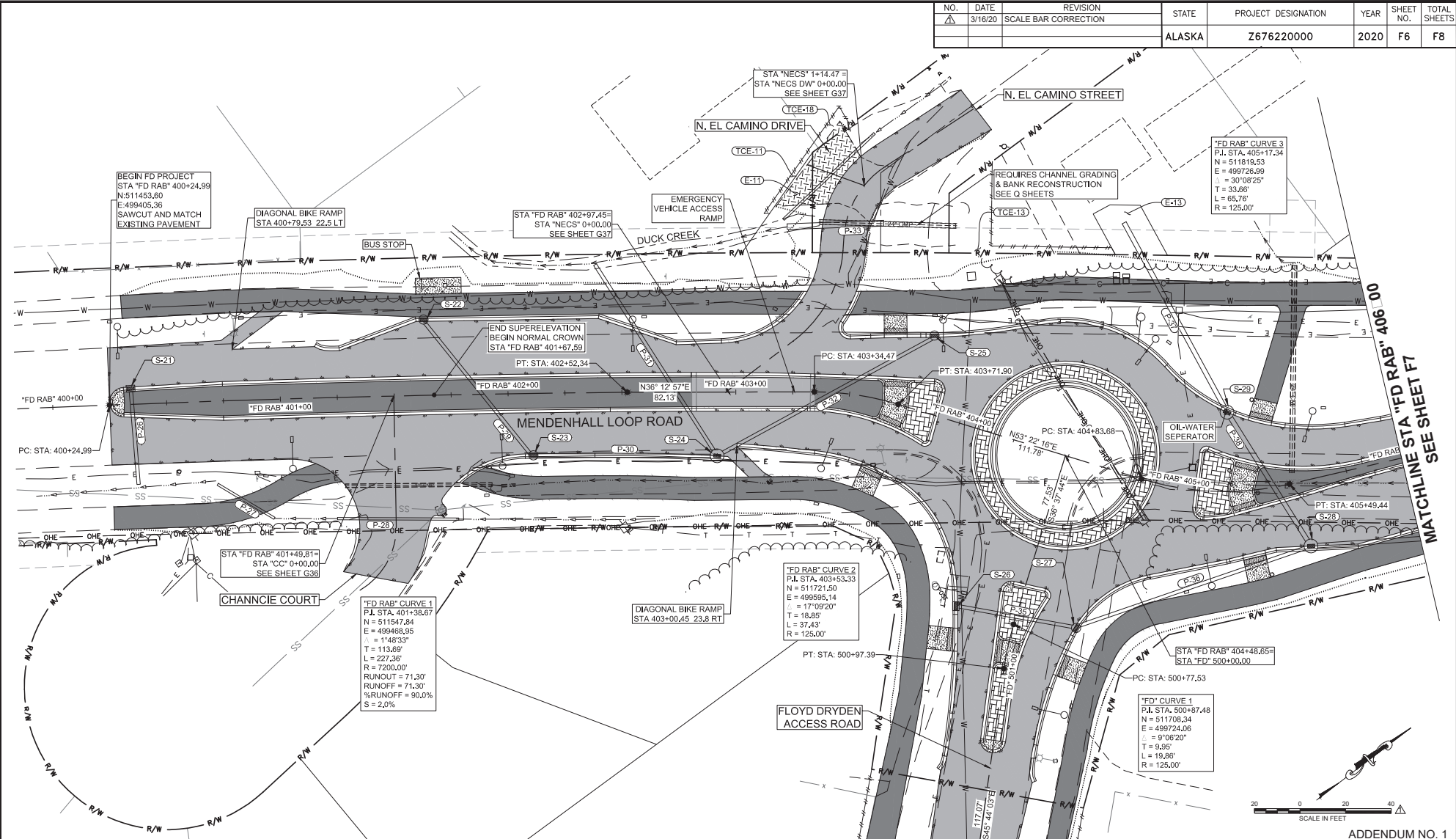
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Bergen 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PROFILES

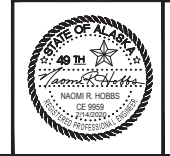
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	3/16/20	SCALE BAR CORRECTION	ALASKA	Z676220000	2020	F6	F8

FILE: C:\GDI\11_30_Projects\2019\2A\20776-02\G1\11\SC-C1-RD-F-20776.dwg
 DATE: 2/13/2020 LAYOUT: F6
 DESIGNED: HOBBS
 CHECKED: INGBLE
 DRAFTED: WESTPHAL
 CERTIFICATE OF AUTH #1 ALCB48
 PHONE: (907) 760-3633
 9065 GLACIER HIGHWAY, JUNEAU, AK 99801



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

J. Bergan 2.15.23
 Signature Date



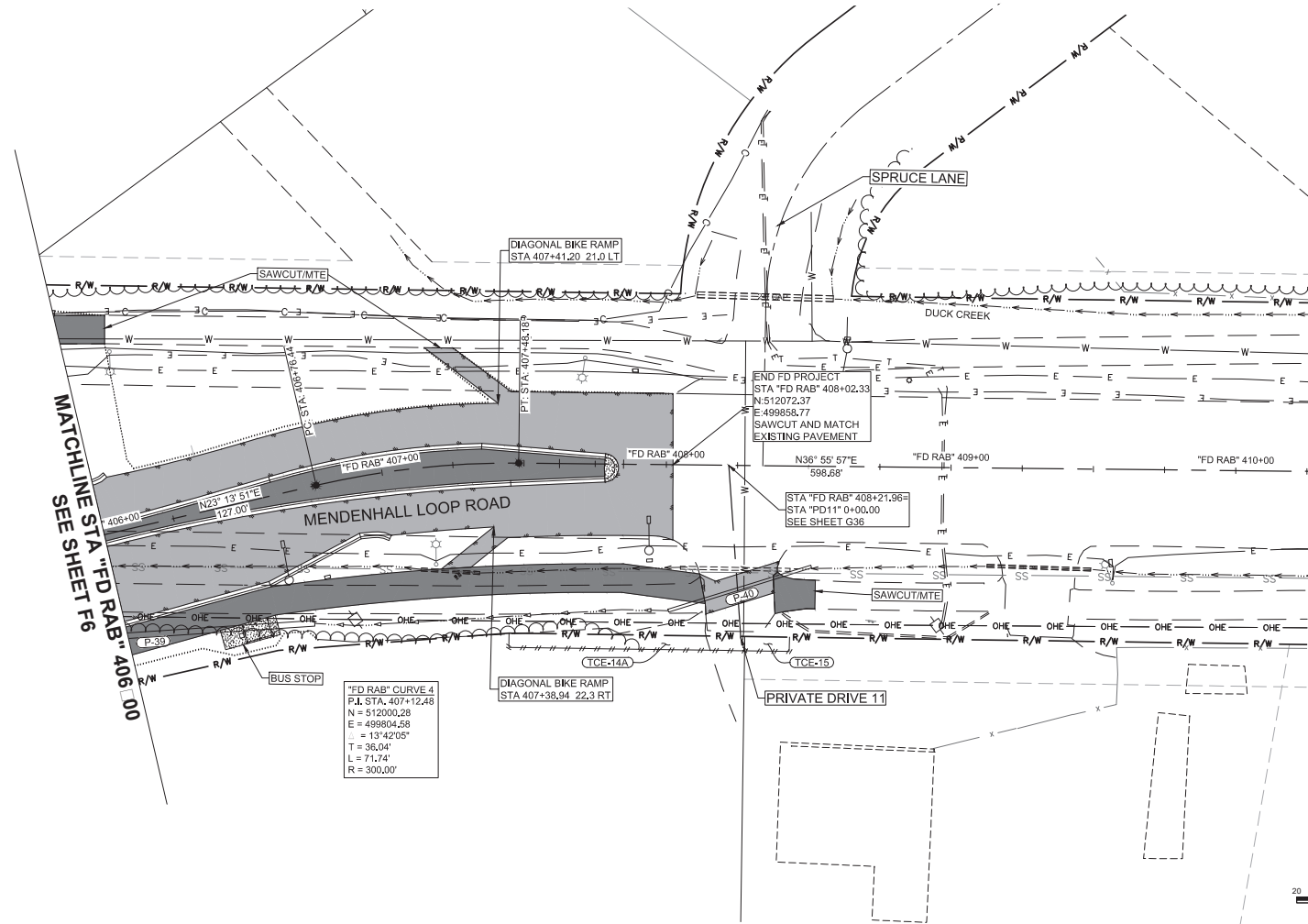
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 PLAN VIEW**

ADD. ALT.

9045 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 760-3633 | CERTIFICATE OF AUTH # J AECB48
 DESIGNED HORBS | CHECKED NOBLE | DRAFTED WESTPHAL
 DATE 2/13/2020 | LAYOUT F7
 FILE C:\G1\11_30_Projects\102010\2A\20776-02\G1\11\SC-CI-RO-F-20776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	F7	F8



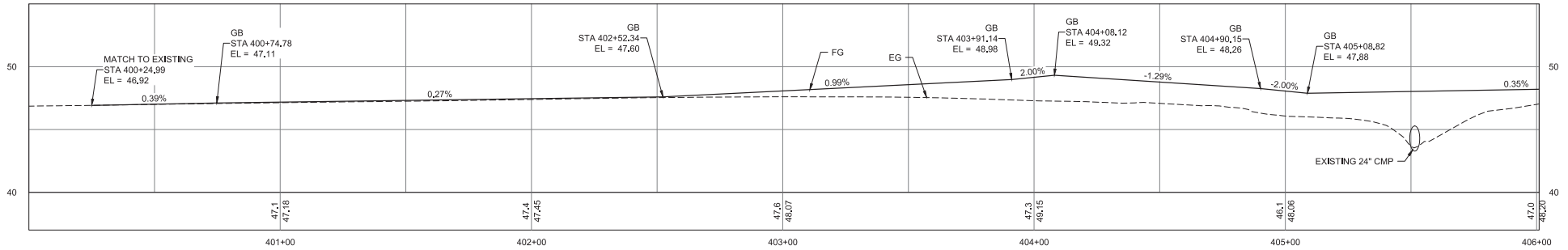
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Bengum 2.15.23
 Signature Date



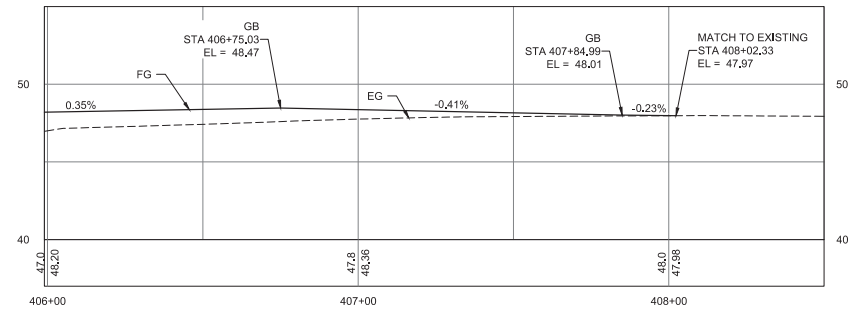
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 PLAN VIEW
 (ADD. ALT. 1)**

CERTIFICATE OF AUTH # J AECUB48
 DRAFTED WESTPHAL
 CHECKED HOBBS
 DESIGNED HOBBS
 PHONE (907) 760-3633
 9065 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020
 LAYOUT F8
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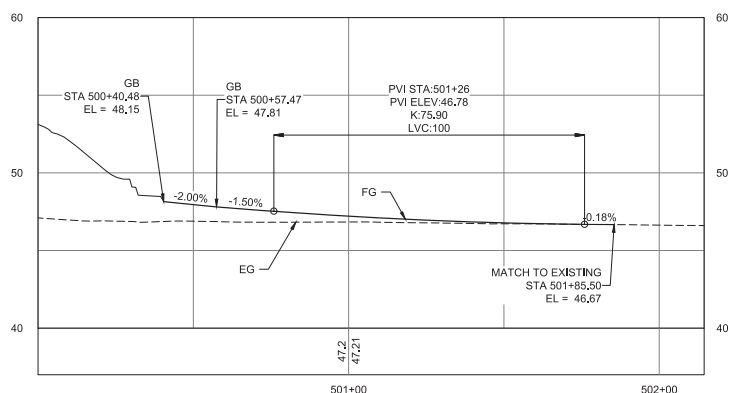
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	F8	F8



FD RAB CENTERLINE PROFILE



FD RAB CENTERLINE PROFILE (CONTINUED)



FLOYD DRYDEN ACCESS ROAD CENTERLINE PROFILE

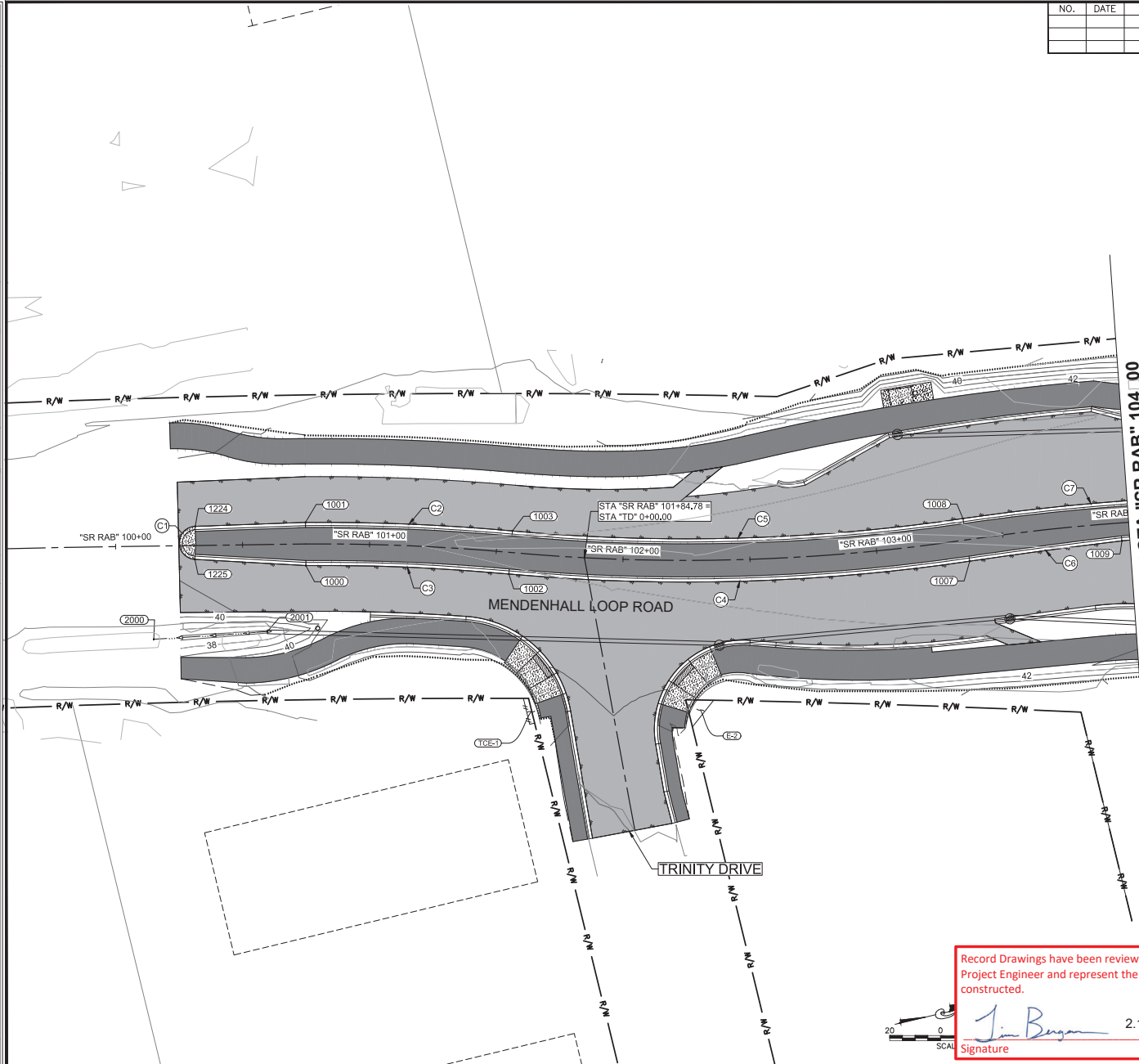
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 Jim Bergan 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS FLOYD DRYDEN ROUNDABOUT PROFILES (ADD. ALT. 1)

9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORBS
 CHECKED INGBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J AECUB48
 DATE 2/13/2020 LAYOUT G1
 FILE C:\G1\1_30_Projects\2019\2A\20776-02\G1\1\SC-C-06-c-70776.dwg


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G1	G37



- NOTES:
- SEE SHEET G6 FOR POINT AND CURVE TABLES.
 - 1000 SERIES POINTS ARE PLACED AT EDGE OF PAVEMENT (EOP). 2000 SERIES POINTS ARE THE LOW POINTS OF CONSTRUCTED SWALES. 3000 SERIES POINTS ARE REFERENCE POINTS FOR CURB RAMPS AND CURB CUTS. 4000 SERIES POINTS ARE THE HIGH POINTS OF THE ROUNDABOUT CENTER CIRCLES.

MATCHLINE STA "SR RAB" 104+00
 SEE SHEET G2

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

 2.15.23
 Signature Date



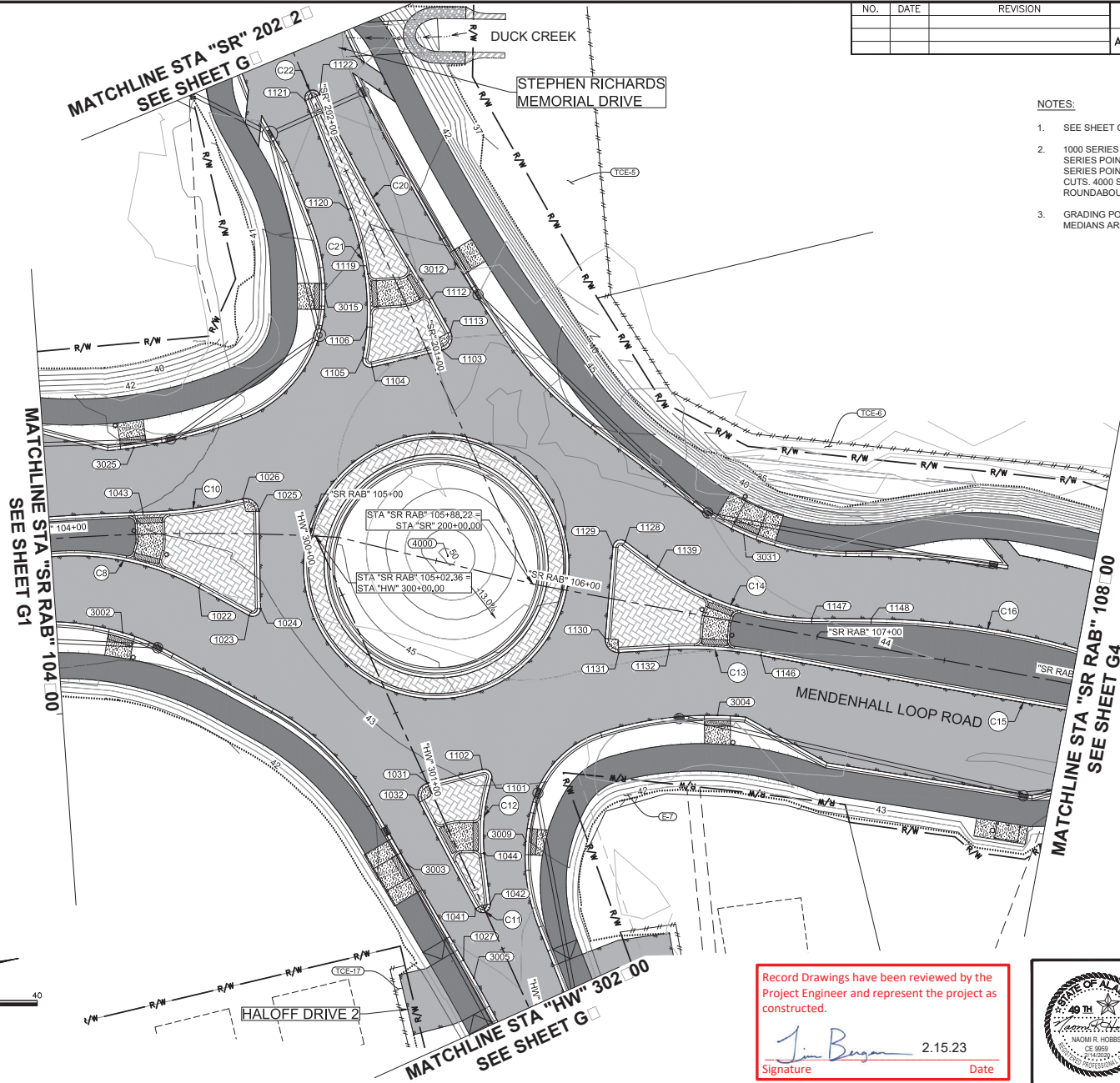
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**


STEPHEN RICHARDS ROUNDABOUT
 MEDIANS, SWALES & CURB RAMPS

CERTIFICATE OF AUTH # | AELB48
 DRAFTED | WESTPHAL
 CHECKED | NOBLE
 DESIGNED | HOBBS
 PHONE | (907) 760-3633
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE | 2/13/2020 | LAYOUT | G2
 FILE | C:\G1\1_30_Projects\2019\2A\20776-02\G1\1\SC-C1-08-0-08-0-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G2	G37



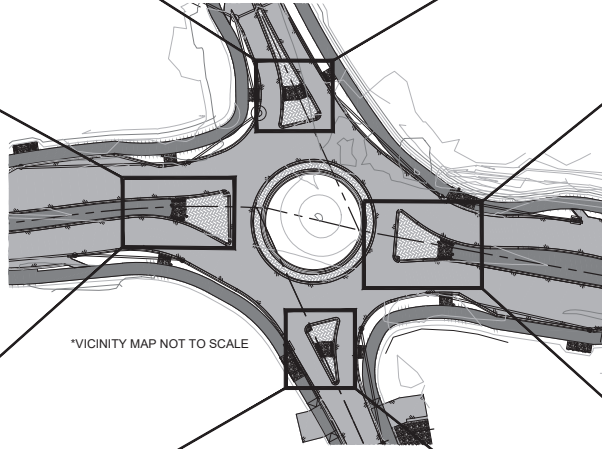
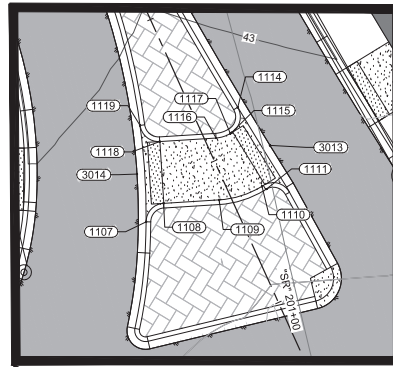
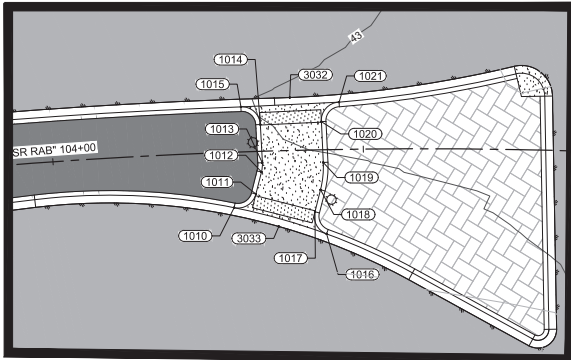
- NOTES:**
- SEE SHEET G6 FOR POINT AND CURVE TABLES.
 - 1000 SERIES POINTS ARE PLACED AT EDGE OF PAVEMENT (EOP). 2000 SERIES POINTS ARE LOW POINTS OF CONSTRUCTED SWALES. 3000 SERIES POINTS ARE REFERENCE POINTS FOR CURB RAMPS AND CURB CUTS. 4000 SERIES POINTS ARE THE HIGH POINTS OF THE ROUNDABOUT CENTER CIRCLES.
 - GRADING POINTS FOR CURB AND RAMPS IN THE ROUNDABOUT MEDIANS ARE ON SHEET G3.

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

 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 MEDIANS, SWALES & CURB RAMPS

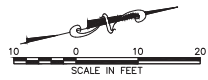
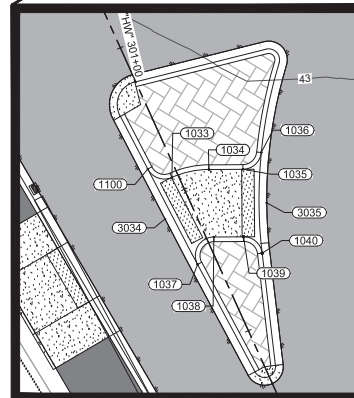
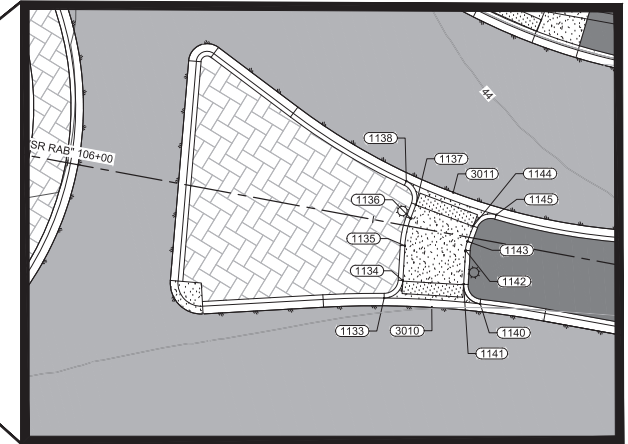
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 DATE 2/13/2020 LAYOUT C3
 PHONE (907) 786-3633 DESIGNED HOBBS CHECKED NOBLE
 CERTIFICATE OF AUTH #1 AELCB48 DRAFTED WESTPHAL



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G3	G37

NOTES:

- SEE SHEET G6 FOR POINT AND CURVE TABLES.
- 1000 SERIES POINTS ARE PLACED AT EDGE OF PAVEMENT (EOP). 3000 SERIES POINTS ARE REFERENCE POINTS FOR CURB RAMPS AND CURB CUTS.
- SEE SHEET E5 FOR MEDIAN CURB RAMP DETAIL.



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

 2.15.23
 Signature Date

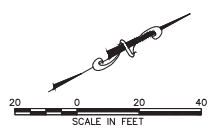
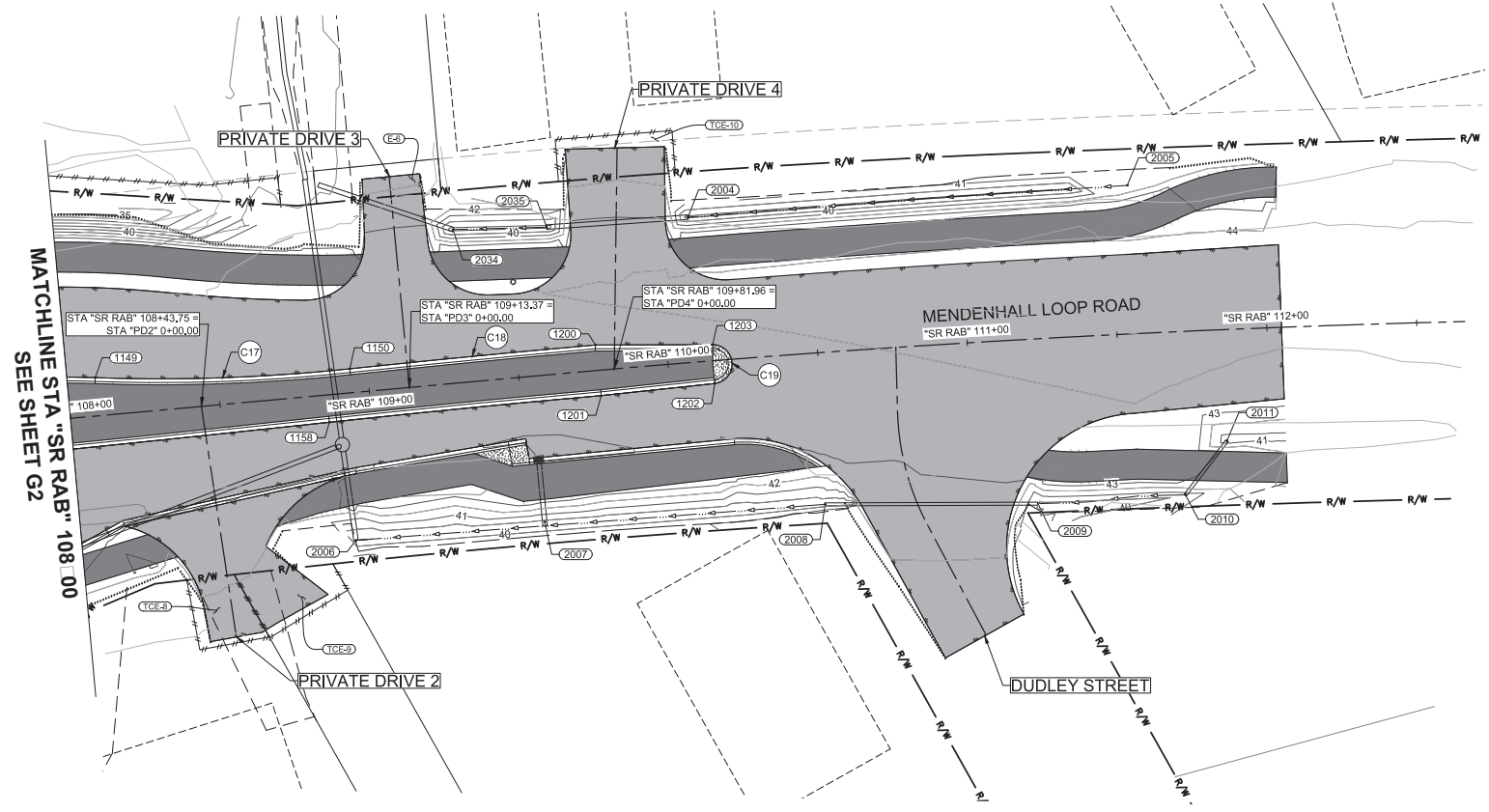


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 MEDIAN CURB RAMPS

9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORRIS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J AECUB48
 DATE 2/13/2020 LAYOUT CA
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G4	G37

- NOTES:
- SEE SHEET G6 FOR POINT AND CURVE TABLES.
 - 1000 SERIES POINTS ARE PLACED AT EDGE OF PAVEMENT (EOP), 2000 SERIES POINTS ARE LOW POINTS OF CONSTRUCTED SWALES. 3000 SERIES POINTS ARE REFERENCE POINTS FOR CURB RAMPS AND CURB CUTS. 4000 SERIES ARE HIGH POINTS OF THE ROUNDABOUT CENTER CIRCLES.



Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Bergen 2.15.23
 Signature Date



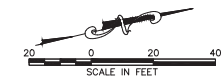
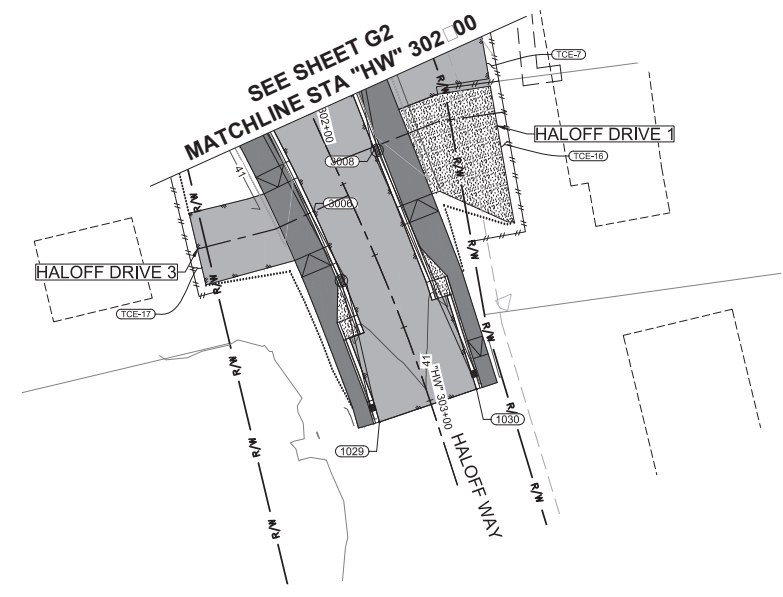
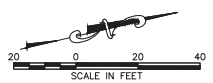
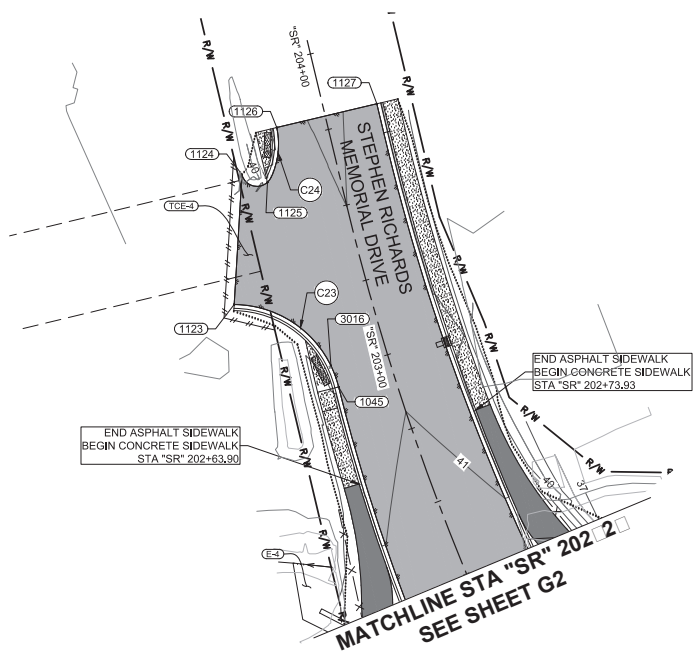
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 MEDIANS, SWALES & CURB RAMPS

3085 GLACIER HIGHWAY - JUNEAU, AK 99801 | PHONE (907) 786-3633 | CERTIFICATE OF AUTH # | ACU848
 2/13/2020 | LAYOUT | CS | DESIGNED | HOBBS | CHECKED | NOBLE | DRAFTED | WESTPHAL
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G5	G37

NOTES:

- SEE SHEET G6 FOR POINT AND CURVE TABLES.
- 1000 SERIES POINTS ARE PLACED AT EDGE OF PAVEMENT (EOP), 2000 SERIES POINTS ARE LOW POINTS OF CONSTRUCTED SWALES, 3000 SERIES POINTS ARE REFERENCE POINTS FOR CURB RAMPS AND CURB CUTS, 4000 SERIES ARE HIGH POINTS OF THE ROUNDABOUT CENTER CIRCLES.



Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Benjamin 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 MEDIANS, SWALES & CURB RAMPS

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 DATE 2/17/2020 LAYOUT 06
 PHASE 99801
 DESIGNED HORRES
 CHECKED HORRES
 DRAFTER WESTPHAL
 CERTIFICATE OF AUTH # JACLR48

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G6	G37

POINT TABLE					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
1000	509657.26	498590.35	41.69'	EOP	SR RAB 100+74.87, 8.50' RT
1001	509661.07	498573.79	41.81'	EOP	SR RAB 100+74.84, 8.50' LT
1002	509734.16	498612.29	41.94'	EOP	SR RAB 101+55.71, 8.50' RT
1003	509739.51	498596.15	41.96'	EOP	SR RAB 101+55.59, 8.50' LT
1007	509911.77	498649.91	42.50'	EOP	SR RAB 103+35.68, 8.50' RT
1008	509913.14	498632.97	42.52'	EOP	SR RAB 103+35.50, 8.50' LT
1009	509971.90	498656.17	42.64'	EOP	SR RAB 103+96.69, 7.12' RT
1010	510002.94	498663.70	42.76'	FL	SR RAB 104+28.89, 8.93' RT
1011	510006.86	498662.38	42.82'	FL	SR RAB 104+32.49, 6.84' RT
1012	510008.56	498659.16	42.91'	FL	SR RAB 104+33.51, 3.34' RT
1013	510009.03	498657.73	42.94'	FL	SR RAB 104+33.68, 1.85' RT
1014	510010.18	498651.67	42.99'	FL	SR RAB 104+33.56, 4.31' LT
1015	510007.80	498648.18	42.98'	FL	SR RAB 104+30.54, 7.25' LT
1016	510016.42	498671.28	42.78'	FL	SR RAB 104+43.84, 13.55' RT
1017	510015.43	498667.39	42.83'	FL	SR RAB 104+42.01, 9.96' RT
1018	510017.13	498664.16	42.89'	FL	SR RAB 104+42.99, 6.44' RT
1019	510018.60	498659.99	42.97'	FL	SR RAB 104+43.53, 2.05' RT
1020	510019.83	498653.53	43.05'	FL	SR RAB 104+43.34, 4.52' LT
1021	510023.34	498651.15	43.09'	FL	SR RAB 104+46.23, 7.61' LT
1022	510027.54	498681.56	42.80'	EOP	SR RAB 104+57.25, 21.08' RT
1023	510043.87	498696.44	42.85'	EOP	SR RAB 104+77.33, 31.54' RT
1024	510048.82	498694.88	42.91'	EOP	SR RAB 104+81.87, 28.76' RT
1025	510056.97	498658.23	43.28'	EOP	SR RAB 104+80.25, 8.74' LT
1026	510052.10	498652.15	43.32'	EOP	SR RAB 104+74.07, 13.39' LT
1027	510093.19	498845.19	41.93'	EOP	HW 301+72.70, 15.43' RT
1029	510111.59	498970.78	40.49'	EOP	HW 303+01.48, 17.58' RT
1030	510144.40	498967.82	40.49'	EOP	HW 303+01.27, 15.36' RT
1031	510095.71	498775.55	42.84'	EOP	HW 301+04.76, 0.08' LT
1032	510090.97	498781.99	42.71'	EOP	HW 301+10.20, 5.78' RT
1033	510097.91	498793.13	42.66'	FL	HW 301+22.44, 1.05' RT
1034	510104.00	498793.28	42.71'	FL	HW 301+23.73, 4.90' LT
1035	510109.33	498794.52	42.73'	FL	HW 301+25.95, 9.91' LT
1036	510112.85	498792.59	42.80'	FL	HW 301+24.71, 13.72' LT
1037	510098.65	498807.70	42.49'	FL	HW 301+36.90, 3.05' RT
1038	510102.24	498804.02	42.57'	FL	HW 301+33.96, 1.16' LT
1039	510106.88	498805.11	42.58'	FL	HW 301+35.89, 5.52' LT
1040	510109.18	498808.38	42.55'	FL	HW 301+39.54, 7.17' LT
1041	510102.39	498826.99	42.30'	EOP	HW 301+56.54, 2.99' RT
1042	510108.27	498826.59	42.33'	EOP	HW 301+57.25, 2.86' LT
1043	510013.37	498648.07	43.03'	EOP	SR RAB 104+35.93, 8.50' LT
1044	510110.60	498806.99	42.52'	EOP	HW 301+38.44, 8.83' LT
1045	510085.51	498420.94	40.48'	EOP	SR 202+94.83, 18.13' LT
1100	510094.46	498790.90	42.64'	FL	HW 301+19.61, 4.01' RT
1101	510120.09	498779.86	43.07'	EOP	HW 301+13.57, 23.22' LT
1102	510117.47	498775.35	43.12'	EOP	HW 301+08.64, 21.50' LT
1103	510140.30	498614.36	44.14'	EOP	SR 200+96.51, 5.35' RT

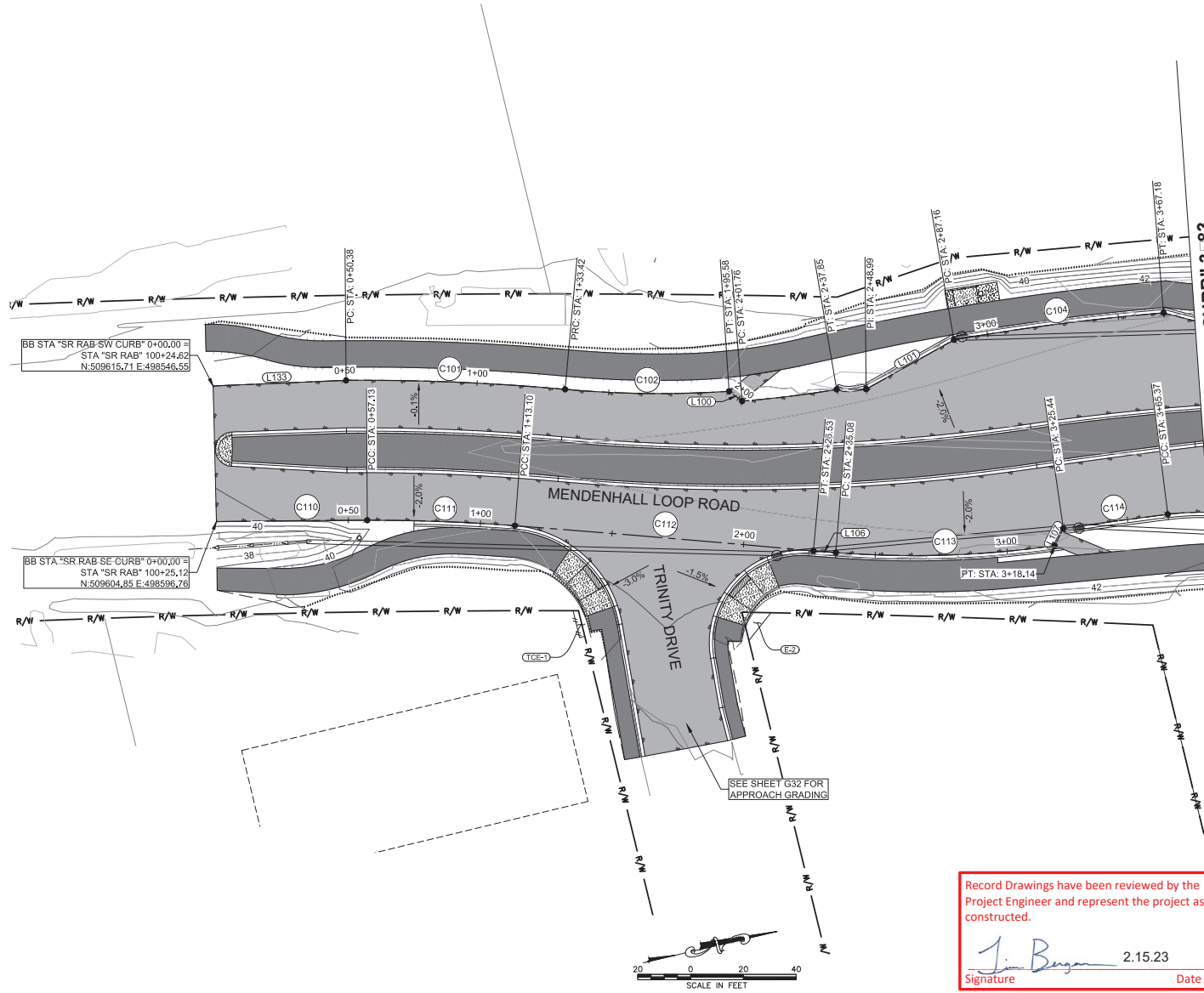
POINT TABLE					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
1104	510112.53	498614.33	43.88'	EOP	SR 201+01.73, 21.92' LT
1105	510109.83	498610.03	43.68'	EOP	SR 201+06.46, 23.77' LT
1106	510114.20	498598.78	43.37'	EOP	SR 201+16.69, 17.37' LT
1107	510116.72	498594.31	43.49'	FL	SR 201+20.61, 14.06' LT
1108	510120.15	498592.08	43.50'	FL	SR 201+22.16, 10.27' LT
1109	510128.98	498593.63	43.66'	FL	SR 201+18.98, 1.89' LT
1110	510136.20	498593.13	43.62'	FL	SR 201+18.13, 5.30' RT
1111	510136.79	498593.72	43.75'	FL	SR 201+17.44, 5.76' RT
1112	510141.21	498593.77	43.59'	EOP	SR 201+16.57, 10.10' RT
1113	510145.13	498608.04	43.90'	EOP	SR 201+01.82, 11.28' RT
1114	510135.38	498579.84	43.31'	FL	SR 201+31.34, 6.98' RT
1115	510133.45	498583.59	43.42'	FL	SR 201+28.01, 4.37' RT
1116	510130.83	498583.83	43.46'	FL	SR 201+28.27, 1.76' RT
1117	510133.23	498583.66	43.43'	FL	SR 201+27.98, 4.15' RT
1118	510121.87	498582.26	43.34'	FL	SR 201+31.49, 6.74' LT
1119	510119.41	498579.00	43.24'	FL	SR 201+35.15, 8.56' LT
1120	510117.73	498553.00	42.70'	EOP	SR 201+61.00, 5.34' LT
1121	510111.60	498508.25	41.85'	EOP	SR 202+06.09, 3.03' LT
1122	510117.50	498507.21	41.85'	EOP	SR 202+06.06, 2.97' RT
1123	510059.02	498387.25	40.36'	EOP	SR RAB 104+28.86, 273.16' LT
1124	510071.25	498347.18	39.87'	EOP	SR RAB 104+31.79, 314.86' LT
1125	510078.65	498351.52	40.65'	EOP	SR RAB 104+37.74, 312.14' LT
1126	510085.70	498335.06	40.76'	EOP	SR RAB 104+40.23, 329.71' LT
1127	510118.81	498335.20	40.78'	EOP	SR RAB 104+63.43, 337.03' LT
1128	510191.77	498702.66	44.61'	EOP	SR RAB 106+20.48, 22.70' LT
1129	510186.61	498703.63	44.61'	EOP	SR RAB 106+16.16, 19.71' LT
1131	510179.31	498743.80	44.08'	EOP	SR RAB 106+25.87, 19.94' RT
1132	510198.42	498747.29	44.04'	EOP	SR RAB 106+44.75, 15.34' RT
1133	510208.24	498748.13	44.04'	FL	SR RAB 106+54.05, 12.11' RT
1134	510211.84	498746.09	44.09'	FL	SR RAB 106+56.51, 8.78' RT
1135	510213.47	498740.73	44.21'	FL	SR RAB 106+55.81, 3.22' RT
1136	510215.40	498736.68	44.28'	FL	SR RAB 106+55.93, 1.27' LT
1137	510216.71	498734.75	44.29'	FL	SR RAB 106+56.33, 3.57' LT
1138	510216.12	498730.67	44.33'	FL	SR RAB 106+54.13, 7.05' LT
1139	510201.95	498715.01	44.49'	EOP	SR RAB 106+34.80, 15.58' LT
1140	510223.06	498752.66	44.01'	FL	SR RAB 106+69.43, 10.20' RT
1141	510221.20	498748.97	44.08'	FL	SR RAB 106+66.23, 7.58' RT
1142	510222.79	498743.75	44.19'	FL	SR RAB 106+65.55, 2.17' RT
1143	510223.43	498742.40	44.23'	FL	SR RAB 106+65.59, 0.68' RT
1144	510224.90	498740.23	44.24'	FL	SR RAB 106+66.05, 1.91' LT
1145	510228.92	498739.33	44.23'	FL	SR RAB 106+69.35, 4.36' LT
1146	510232.34	498757.75	43.96'	EOP	SR RAB 106+79.98, 11.08' RT
1148	510277.06	498753.97	43.86'	EOP	SR RAB 107+19.27, 10.62' LT
1149	510360.21	498788.75	43.65'	EOP	SR RAB 108+09.38, 12.77' RT
1200	510511.00	498860.79	43.64'	EOP	SR RAB 109+76.42, 8.49' LT
1201	510504.42	498876.46	43.30'	EOP	SR RAB 109+76.85, 8.50' RT

POINT TABLE					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
1202	510539.42	498891.45	43.50'	EOP	SR RAB 110+14.98, 7.63' RT
1203	510545.14	498879.79	43.78'	EOP	SR RAB 110+15.30, 5.34' LT
1224	509618.49	498656.13	41.46'	EOP	SR RAB 100+31.44, 7.54' LT
1225	509615.32	498677.73	41.23'	EOP	SR RAB 100+31.13, 5.45' RT
2000	509592.21	498604.52	40.50'	SW	SR RAB 100+14.51, 36.68' RT
2001	509636.39	498612.04	40.87'	SW	SR RAB 100+59.26, 34.26' RT
2004	510558.79	498838.70	38.79'	SW	SR RAB 110+10.56, 48.38' LT
2005	510691.73	498901.06	41.75'	SW	SR RAB 111+55.85, 49.52' LT
2006	510409.53	498878.57	40.82'	SW	SR RAB 108+91.04, 49.14' RT
2007	510467.46	498903.94	39.15'	SW	SR RAB 109+54.28, 48.69' RT
2008	510551.83	498944.58	39.28'	SW	SR RAB 110+48.84, 50.59' RT
2009	510613.87	498979.11	40.05'	SW	SR RAB 111+20.53, 54.93' RT
2010	510658.18	499000.58	40.43'	SW	SR RAB 111+70.37, 54.50' RT
2011	510679.07	498991.62	43.02'	SW	SR RAB 111+85.14, 37.10' RT
3000	509741.47	498649.34	41.06'	CR	SR RAB 101+73.56, 41.46' RT
3001	509789.97	498664.27	41.23'	CR	SR RAB 102+21.63, 42.81' RT
3002	509994.85	498691.37	42.36'	CR	SR RAB 104+26.35, 37.65' RT
3003	510080.73	498804.18	42.33'	CR	HW 301+30.08, 19.99' RT
3004	510210.65	498776.33	43.52'	CR	SR RAB 106+67.75, 36.87' RT
3005	510095.46	498852.83	41.85'	CC	HW 301+80.63, 14.64' RT
3006	510106.88	498899.91	41.40'	CC	SR RAB 106+23.38, 192.02' RT
3008	510130.52	498885.19	41.47'	CC	HW 302+18.98, 312.14' LT
3009	510127.25	498806.27	42.65'	CR	HW 301+40.85, 25.31' LT
3010	510215.34	498751.40	44.00'	CR	SR RAB 106+61.87, 12.20' RT
3011	510223.04	498734.20	44.28'	CR	SR RAB 106+61.88, 6.65' LT
3012	510153.50	498583.15	43.17'	CR	SR 201+24.89, 24.16' RT
3013	510138.98	498587.01	43.44'	CR	SR RAB 105+19.71, 103.30' LT
3014	510117.11	498586.49	43.23'	CR	SR 201+28.23, 12.22' LT
3015	510101.28	498583.56	42.77'	CR	SR 201+34.06, 27.21' LT
3016	510084.69	498413.68	40.47'	CR	SR RAB 104+52.31, 252.78' LT
3025	510015.78	498623.01	42.87'	CR	SR RAB 104+33.20, 33.52' LT
3026	510015.78	498623.01	42.87'	CR	SR RAB 104+33.20, 33.52' LT
3031	510236.86	498710.77	43.85'	CR	SR RAB 106+64.95, 33.68' LT
3032	510015.79	498648.56	43.05'	CR	SR RAB 104+38.37, 8.52' LT
3033	510009.22	498668.33	42.74'	CR	SR RAB 104+36.06, 12.18' RT
3034	510095.28	498799.37	42.55'	CR	HW 301+28.08, 4.80' RT
3035	510111.80	498800.67	42.62'	CR	HW 301+32.46, 11.18' LT
4000	510123.89	498692.03	50.18'	HP	SR RAB 105+53.97, 2.89' LT

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING & DISTANCE
C1	19.82'	6.50'	174.73°	S75° 52' 42"E, 12.99'
C2	81.60'	823.00'	5.68°	S15° 54' 46"W, 81.56'
C3	80.00'	805.50'	5.69°	N15° 55' 05"E, 79.97'
C4	181.98'	766.50'	13.60°	N11° 57' 40"E, 181.56'
C5	177.90'	751.50'	13.56°	S11° 58' 17"W, 177.48'
C6	60.45'	2211.50'	1.57°	N5° 56' 32"E, 60.45'
C7	101.43'	860.00'	6.76°	S8° 34' 06"W, 101.37'
C8	62.15'	100.00'	35.61°	N24° 31' 49"E, 61.16'
C10	39.11'	189.50'	11.82°	S6° 01' 43"W, 39.04'
C11	8.30'	3.00'		

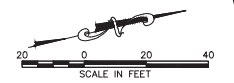
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 DATE 2/13/2020 LAYOUT C7
 9065 GLACIER HIGHWAY - JUNEAU, AK 99801 PHONE (907) 760-3633 CERTIFICATE OF AUTH # J AECUB48
 DESIGNED HOBBS CHECKED INGBLE DRAFTED WESTPHAL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G7	G37



NOTES:
 1. SEE SHEETS G11-G12 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.

MATCHLINE STA "SR RAB SW CURB" 3+83
MATCHLINE STA "SR RAB SE CURB" 3+81
SEE SHEET G8



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

Jim Begum 2.15.23
 Signature Date

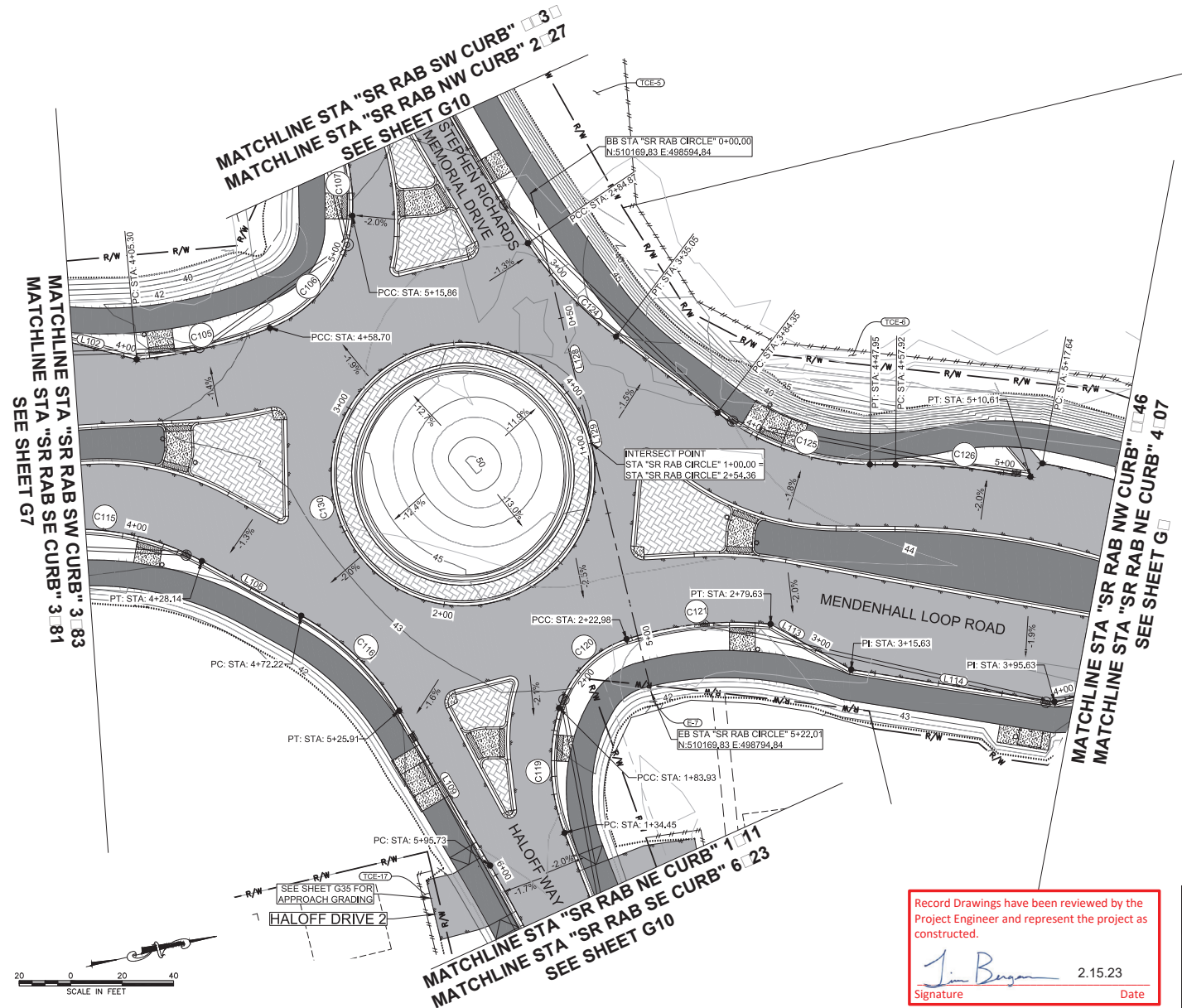


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

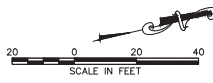
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
**STEPHEN RICHARDS ROUNDABOUT
 CURB RETURN ALIGNMENTS**

FILE C:\CVI\1_30_Projects\2019\2A\20776-02\G11\SC-CI-06-4-20776.dwg
 DATE 2/13/2020 LAYOUT CB
 DESIGNED HORBS
 CHECKED INBLE
 DRAFTED WESTPHAL
 PHONE (907) 760-3633
 CERTIFICATE OF AUTH # | ALCB48
 9095 GLACIER HIGHWAY, JUNEAU, AK 99801

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G8	G37



NOTES:
 1. SEE SHEETS G11-G12 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.



Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergeron 2.15.23
 Signature Date



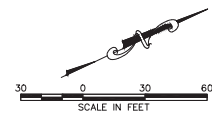
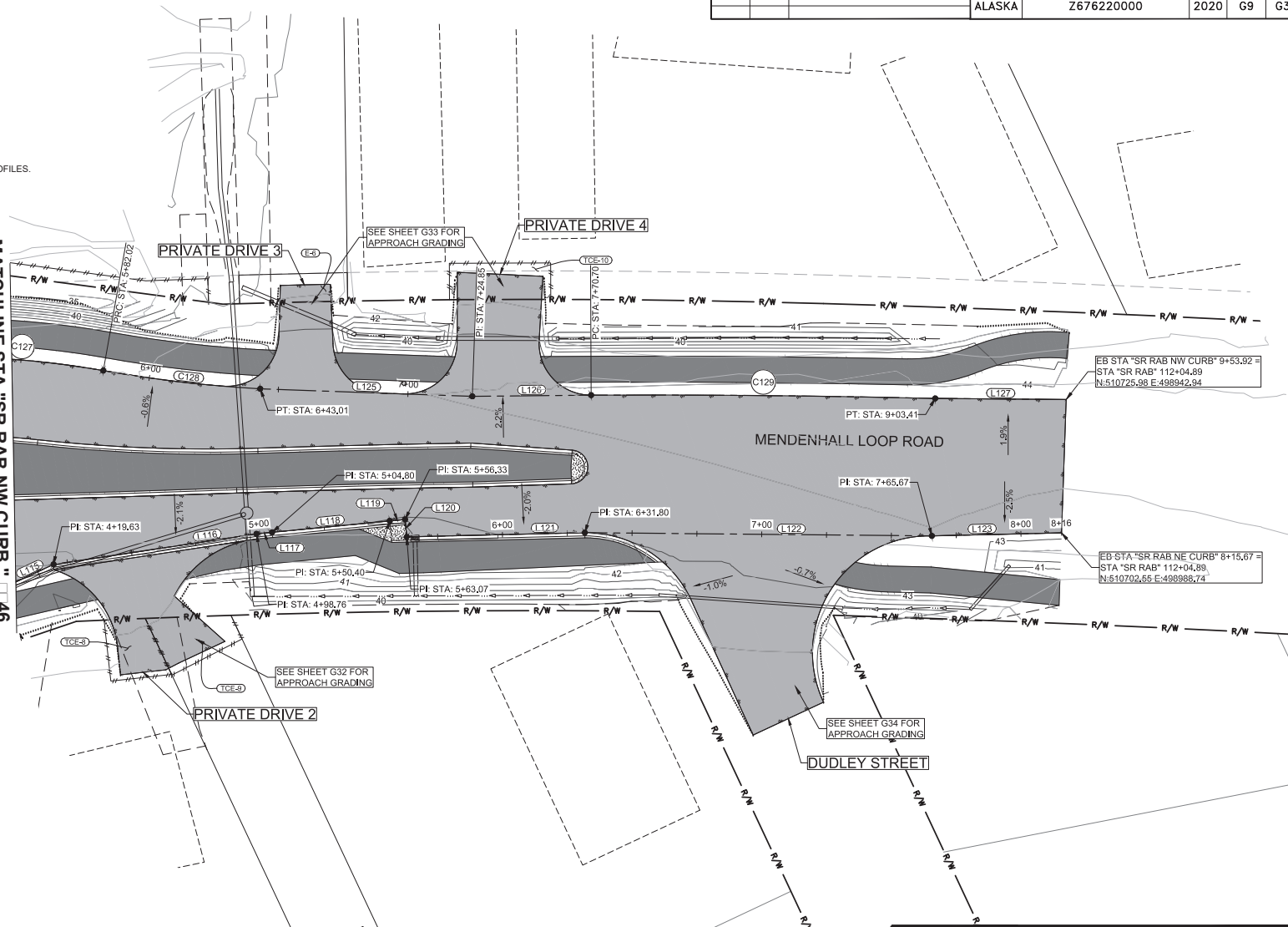
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 CURB RETURN ALIGNMENTS

9085 GLACIER HIGHWAY - JUNEAU, AK 99801 PHONE (907) 786-3633 CERTIFICATE OF AUTH #1 AECUB48
 2/13/2020 LAYOUT G9 DESIGNED HORRIS CHECKED NOBLE DRAFTED WESTPHAL
 FILE C:\GIS\11_30_Projects\10\A\10776-02\Civil\11\SC-C1-06-C-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G9	G37

NOTES:
 1. SEE SHEETS G11-G12 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.

MATCHLINE STA "SR RAB NW CURB" 4.46
 MATCHLINE STA "SR RAB NE CURB" 4.07
 SEE SHEET G8



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

Jim Bergman 2.15.23
 Signature Date



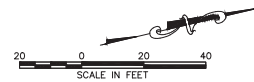
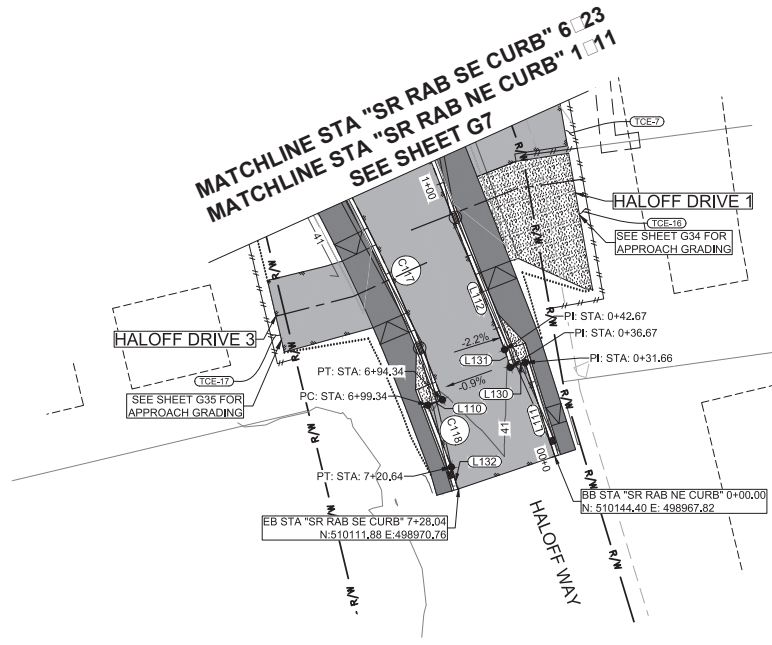
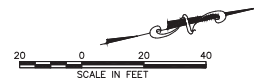
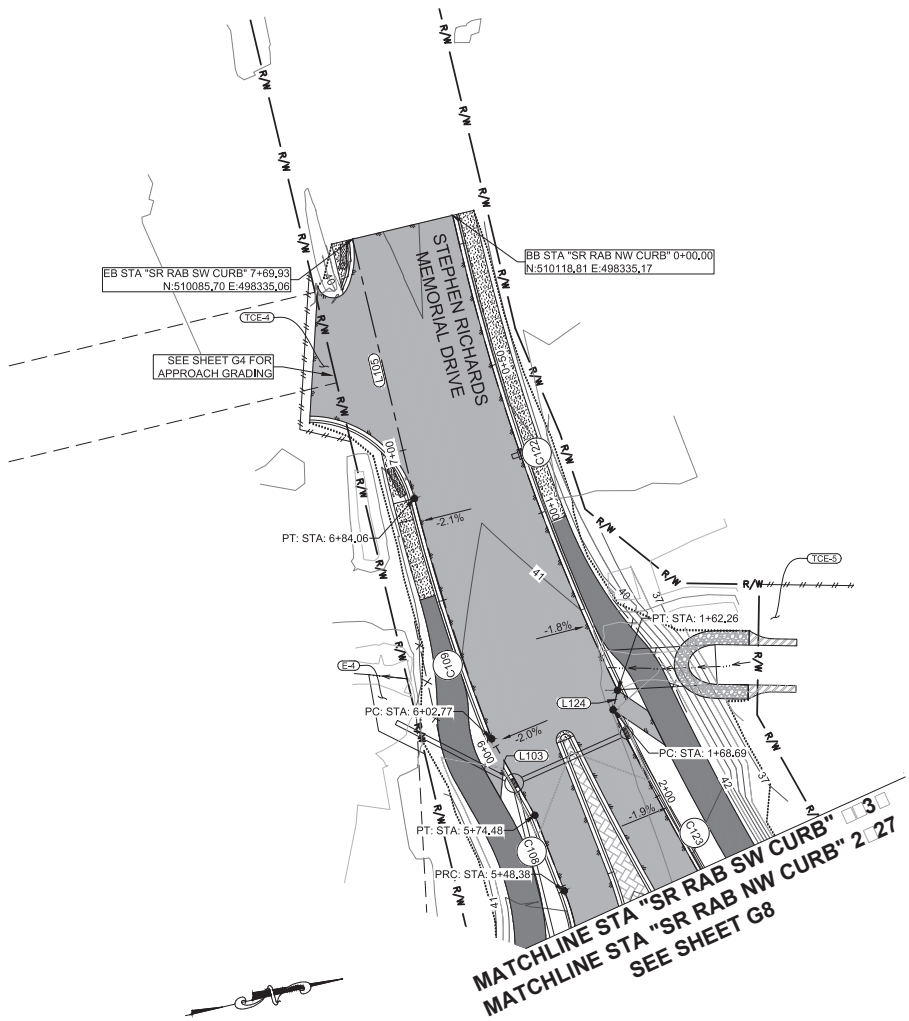
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

STEPHEN RICHARDS ROUNDABOUT
 CURB RETURN ALIGNMENTS

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 786-3633
 CERTIFICATE OF AUTH #1 AELCB48
 DRAFTED INSTEAD
 DESIGNED HOBBS
 CHECKED NOBLE
 DATE 2/13/2020 LAYOUT G10
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G10	G37



NOTES:
 1. SEE SHEETS G11-G12 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.

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

Jim Benjamin 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 CURB RETURN ALIGNMENTS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G11	G37

SR RAB SW CURB ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L133	0+00.00	509615.71	498546.55	0+50.38		50.38'		N11°06'32"E
C101	0+50.38	509665.14	498556.25	1+33.42	841.00'	83.04'	5°39'26"	
C102	1+33.42	509744.97	498579.00	1+95.58	396.00'	62.16'	8°59'39"	
L100	1+95.58	509805.17	498594.26	2+01.76		6.17'		N50°39'42"E
L101	2+48.99	509855.78	498605.63	2+87.16		38.17'		N15°45'48"W
C104	2+87.16	509892.51	498595.27	3+67.18	896.00'	80.03'	5°07'03"	
L102	3+67.18	509972.04	498603.93	4+05.30		38.12'		N27°58'48"E
C105	4+05.30	510005.70	498621.81	4+58.70		192.01'	15°56'07"	
C106	4+58.70	510058.93	498622.11	5+15.86	50.29'	57.15'	65°07'09"	
C107	5+15.86	510100.28	498587.17	5+48.38	73.77'	32.52'	25°15'28"	
C108	5+48.38	510102.87	498555.02	5+74.48	354.04'	26.11'	0°25'20"	
L103	5+74.48	510099.32	498529.15	6+02.77		28.28'		S74°03'49"W
C109	6+02.77	510091.56	498501.96	6+84.06	730.03'	81.29'	6°22'47"	
L105	6+84.06	510085.51	498420.94	7+69.93		85.88'		N89°52'15"W

SR RAB NW CURB ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
C122	0+00.00	510118.81	498335.17	1+62.26	707.74'	162.26'	13°08'11"	
L124	1+62.26	510134.62	498496.31	1+68.69		6.43'		S63°21'42"E
C123	1+68.69	510131.74	498502.06	2+84.87	800.00'	116.18'	8°19'14"	
C124	2+84.87	510164.07	498613.54	3+35.05	150.00'	50.18'	19°10'05"	
C125	3+84.35	510220.34	498694.87	4+47.95	100.00'	63.60'	36°26'31"	
C126	4+47.95	510282.88	498730.69	5+10.61	324.00'	52.69'	9°19'02"	
C127	5+10.61	510338.50	498743.55	5+82.02	330.00'	64.38'	11°10'38"	
C128	5+82.02	510394.38	498775.31	6+43.01	510.22'	60.99'	6°50'57"	
L125	6+43.01	510446.23	498807.36	7+24.85		81.84'		N27°07'40"E
L126	7+24.85	510519.06	498844.68	7+70.70		45.85'		N24°31'37"E
C129	7+70.70	510560.78	498863.71	9+03.41	4626.50'	132.71'	1°38'37"	
L127	9+03.41	510680.41	498921.14	9+53.92		50.51'		N25°34'35"E

SR RAB SE CURB ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
C110	0+00.00	509604.85	498596.76	0+57.13	7755.14'	57.13'	0°25'20"	
C111	0+57.13	509660.52	498609.63	1+13.10	683.19'	55.97'	4°41'37"	
C112	1+13.10	509714.39	498624.73	2+26.53	8705.21'	113.43'	0°44'48"	
L106	2+26.53	509822.04	498660.49	2+35.08		8.55'		N18°00'16"E
C113	2+35.08	509830.17	498663.13	3+18.14	381.50'	83.05'	12°28'24"	
C117	3+18.14	509911.33	498679.99	3+25.44		7.31'		N49°52'19"W
C114	3+25.44	509916.04	498674.41	3+65.37	2187.50'	39.93'	1°02'45"	
C115	3+65.37	509955.76	498678.48	4+28.14	100.00'	62.77'	35°57'42"	
L108	4+28.14	510012.00	498703.94	4+72.22		44.08'		N42°20'08"E
C116	4+72.22	510044.59	498733.62	5+25.91	100.00'	53.69'	30°45'49"	
L109	5+25.91	510072.92	498778.47	5+95.73		69.82'		N73°05'57"E
C117	5+95.73	510093.22	498845.28	6+94.34	567.71'	98.61'	9°57'06"	
L110	6+94.34	510113.51	498894.65	6+99.34		5.00'		S6°53'32"E
C118	6+99.34	510108.55	498894.25	7+20.64	12720.98'	21.31'	0°05'45"	
L132	7+20.64	510111.22	498963.39	7+28.05		7.41'		N87°04'58"E

SR RAB NE CURB ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L111	0+00.00	510144.40	498967.82	0+31.66		31.61'		S85°59'46"W
L130	0+31.66	510142.19	498936.29	0+36.67		5.01'		S3°59'00"E
L131	0+36.67	510137.20	498936.63	0+42.67		6.00'		S85°56'44"W
L112	0+42.67	510136.77	498930.65	1+34.45		91.78'		S82°10'20"W
C119	1+34.45	510124.27	498839.72	1+83.93	75.00'	49.48'	37°47'57"	
C120	1+83.93	510133.58	498792.04	2+22.98	40.00'	39.04'	55°55'40"	
C121	2+22.98	510165.36	498772.11	2+79.63	139.01'	56.65'	23°21'02"	
L113	2+79.63	510221.13	498779.53	3+15.63		36.00'		N42°56'44"E
L114	3+15.63	510247.49	498804.06	3+95.63		80.00'		N22°34'20"E
L115	3+95.63	510321.36	498834.77	4+19.63		24.00'		N0°06'58"E
L116	4+19.63	510345.36	498834.82	4+98.76		79.13'		N16°33'14"E
L117	4+98.76	510421.21	498857.36	5+04.80		6.05'		N19°34'56"E
L118	5+04.80	510426.90	498859.39	5+50.40		45.60'		N19°34'56"E
L119	5+50.40	510469.86	498874.67	5+56.33		5.93'		N19°34'56"E
L120	5+56.33	510475.45	498876.66	5+63.07		6.74'		S70°25'04"E
L121	5+63.07	510473.19	498883.01	6+31.80		68.72'		N23°44'48"E
L122	6+31.80	510536.09	498910.69	7+65.67		133.87'		N25°37'31"E
L123	7+65.67	510656.80	498968.58	8+15.67		50.00'		N23°46'17"E

NOTES:

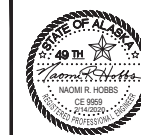
SR RAB SW = STEPHEN RICHARDS ROUNDABOUT SOUTHWEST
 SR RAB SE = STEPHEN RICHARDS ROUNDABOUT SOUTHEAST
 SR RAB NW = STEPHEN RICHARDS ROUNDABOUT NORTHWEST
 SR RAB NE = STEPHEN RICHARDS ROUNDABOUT NORTHEAST
 SR RAB CIRCLE = STEPHEN RICHARDS ROUNDABOUT CIRCLE

SR RAB CIRCLE ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L129	0+00.00	510169.83	498594.84	1+00.00		100.00'		NS
L128	0+00.00	510169.83	498594.84	1+00.00		100.00'		NS
C130	1+00.00	510169.83	498694.84	4+22.00	51.25	322.00	359°59'20"	

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

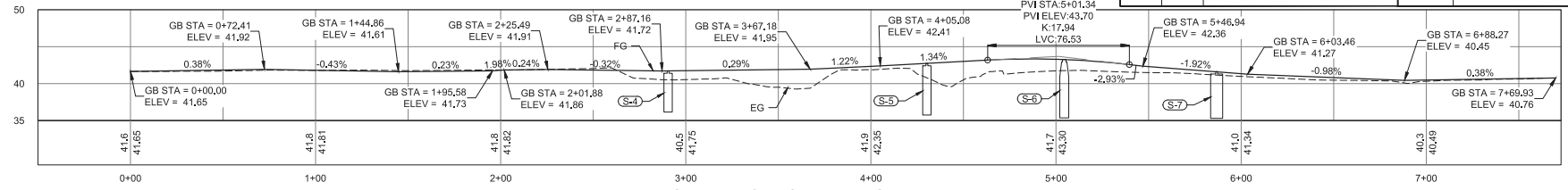
Jim Bergan 2.15.23
 Signature Date



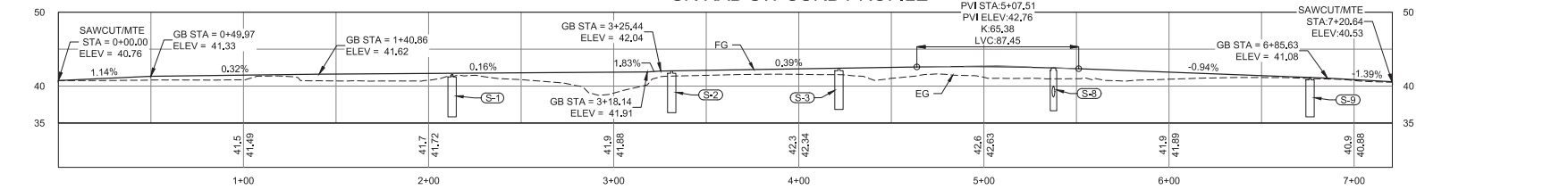
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 CURB RETURN ALIGNMENTS

FILE C:\CVG\11_30_Projects\2018\2A\10776-02\CIVIL\SC-C-06-C-70776.dwg
 DATE 2/13/2020 LAYOUT G12
 9065 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORNS
 CHECKED INGBLE
 DRAWN WESTJAL
 CERTIFICATE OF AUTH #1 AECUB48

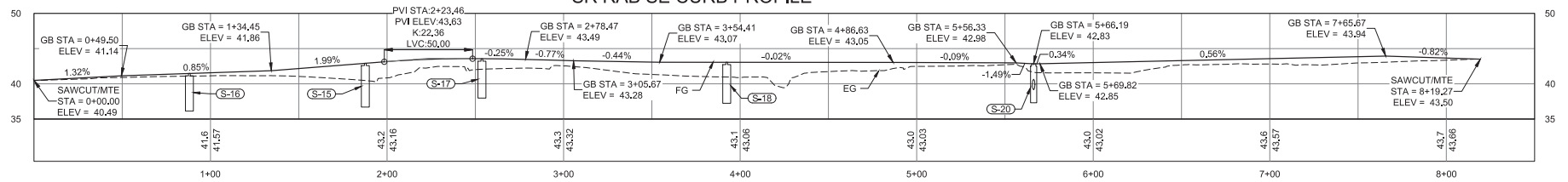
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G12	G37



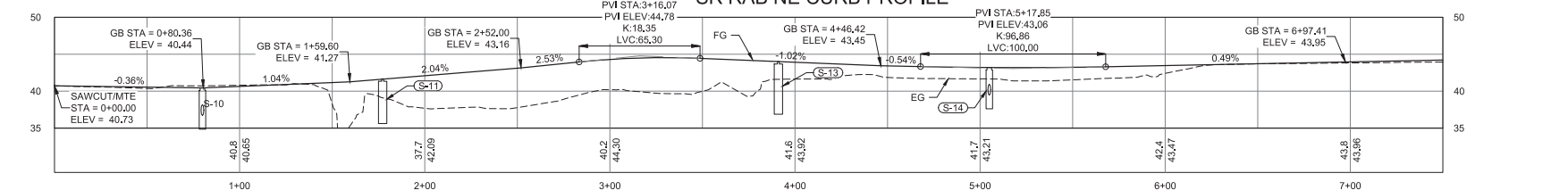
SR RAB SW CURB PROFILE



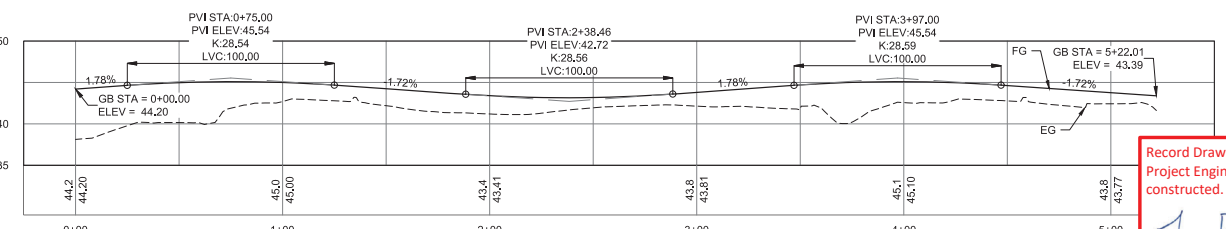
SR RAB SE CURB PROFILE



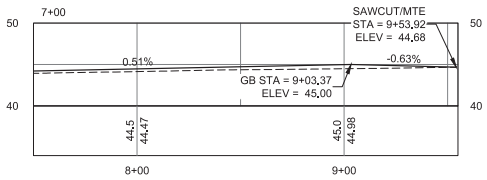
SR RAB NE CURB PROFILE



SR RAB NW CURB PROFILE



SR RAB CIRCLE PROFILE



SR RAB NW CURB PROFILE (CONTINUED)

Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
 Signature *Jim Bergman* 2.15.23
 Date

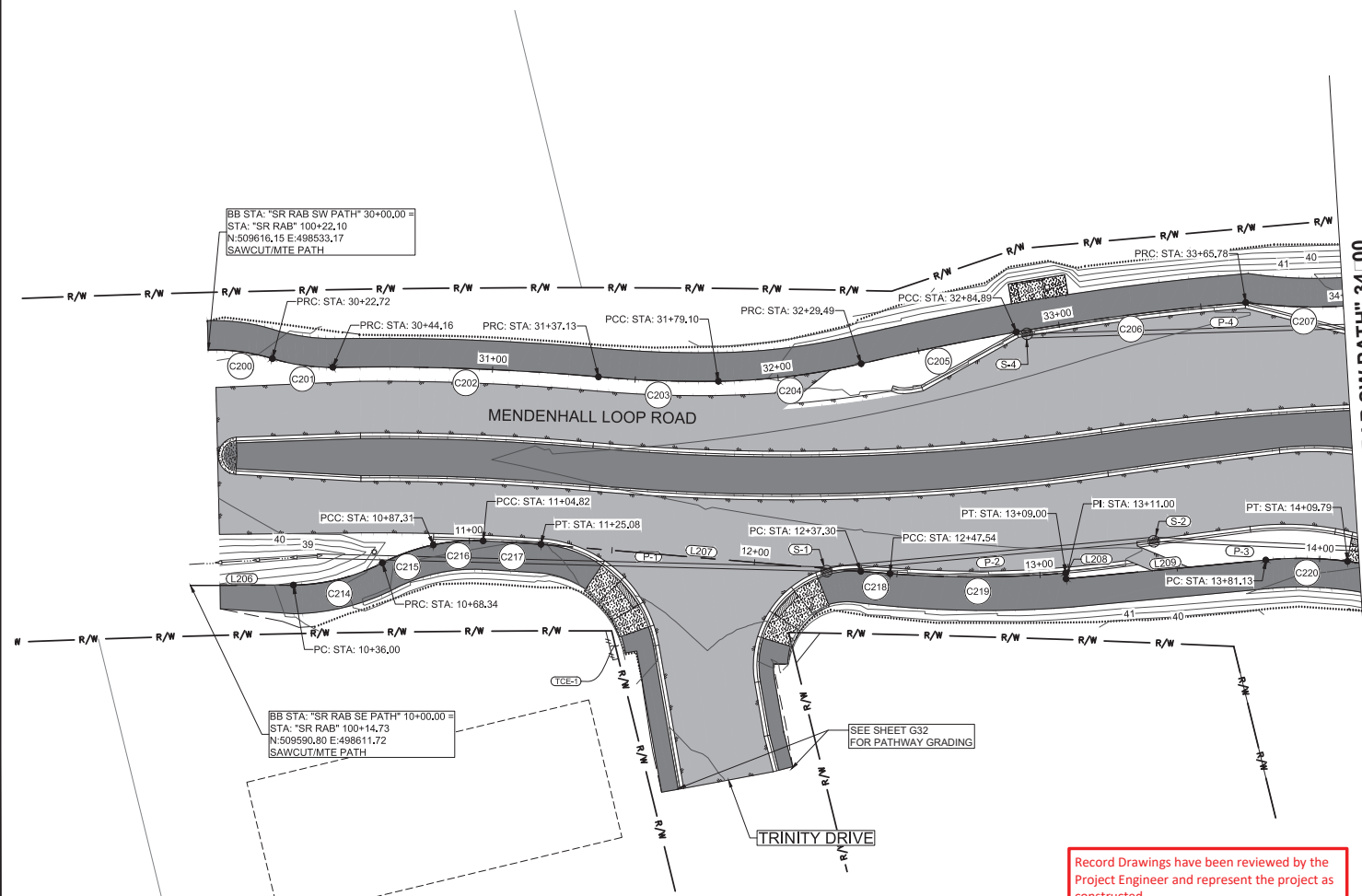


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 GRADING PLAN -
 CURB RETURN PROFILES

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 786-3633
 DESIGNED HORBS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J AECUB48
 DATE 2/13/2020 LAYOUT G13
 FILE C:\CVI\1_30_Projects\2019\2A\20776-02\G13\SC-CI-GR-6-PATH-20776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G13	G37

NOTES:
 1. SEE SHEETS G17-G19 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.

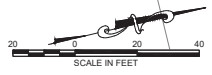


MATCHLINE STA "SR RAB SW PATH" 34+00
 MATCHLINE STA "SR RAB SE PATH" 14+14
 SEE SHEET G14

BB STA: "SR RAB SW PATH" 30+00.00 =
 STA: "SR RAB" 100+22.10
 N:509616.15 E:498533.17
 SAWCUT/MTE PATH

BB STA: "SR RAB SE PATH" 10+00.00 =
 STA: "SR RAB" 100+14.73
 N:509590.80 E:498611.72
 SAWCUT/MTE PATH

SEE SHEET G32 FOR PATHWAY GRADING



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

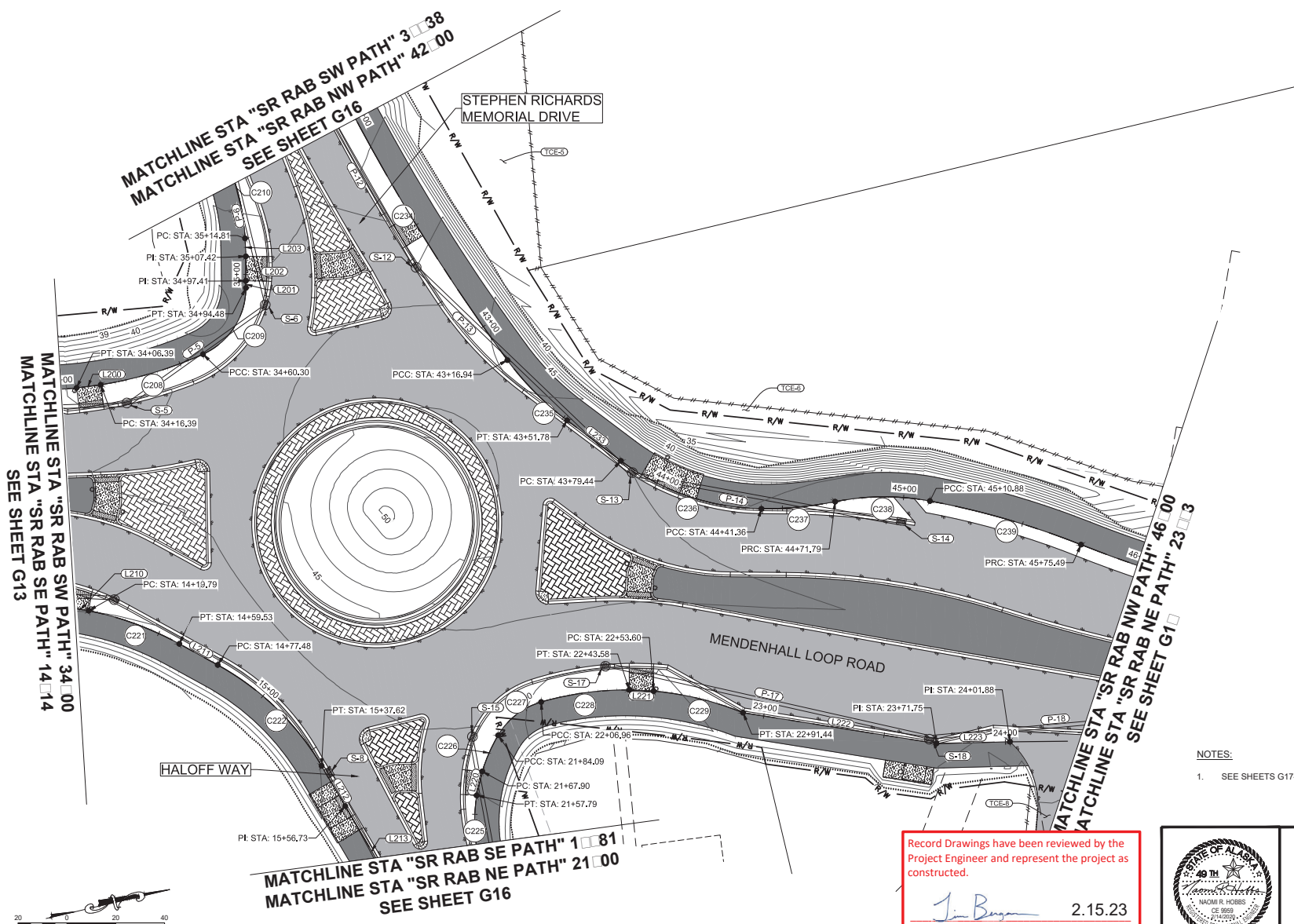
Jim Benjamin 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PATH ALIGNMENTS

FILE: C:\G1\1_30_Projects\1020\2A\10276-02\G1\1\1\USC-CI-08-G-PATH-20776.dwg DATE: 2/13/2020 LAYOUT: G14
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801 PHONE: (907) 760-3633 CHECKED: NOBLE
 CERTIFICATE OF AUTH #1 AELB48 DRAFTED: WESTPHAL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G14	G37



NOTES:
 1. SEE SHEETS G17-G19 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.

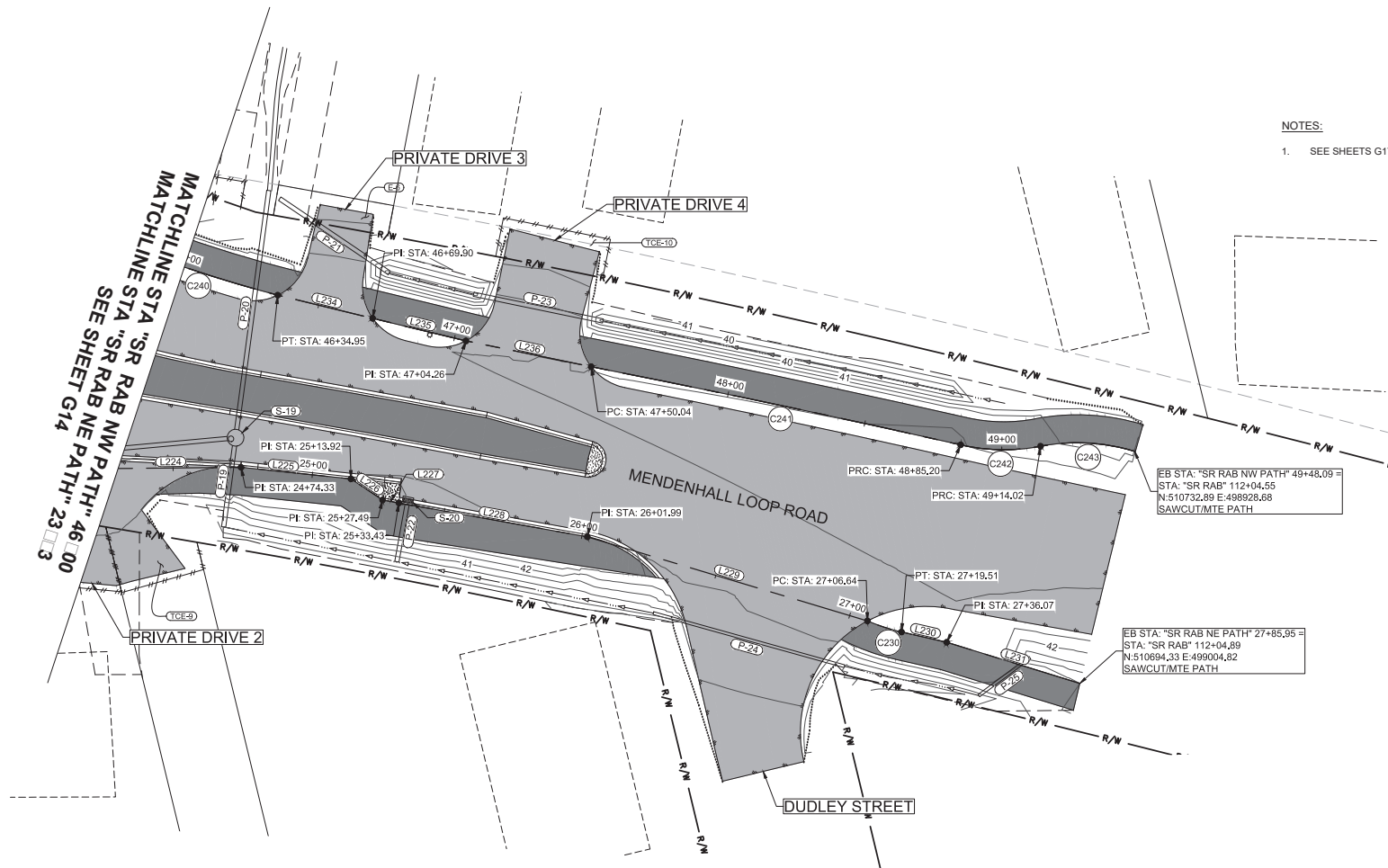
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergman 2.15.23
 Signature Date



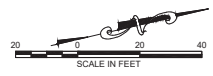
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PATH ALIGNMENTS

9065 GLACIER HIGHWAY - JUNEAU, AK 99801 | PHONE (907) 760-3633 | CERTIFICATE OF AUTH # | AECUB48
 2/13/2020 | LAYOUT | G15 | DESIGNED | HOBBS | CHECKED | NOBLE | DRAFTED | WESTPHAL
 DATE | FILE C:\G15\1_30_Projects\2019\2A\20776-02\G15\SC-C\06-0-PATH-20776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G15	G37



NOTES:
 1. SEE SHEETS G17-G19 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.



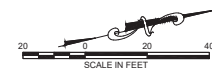
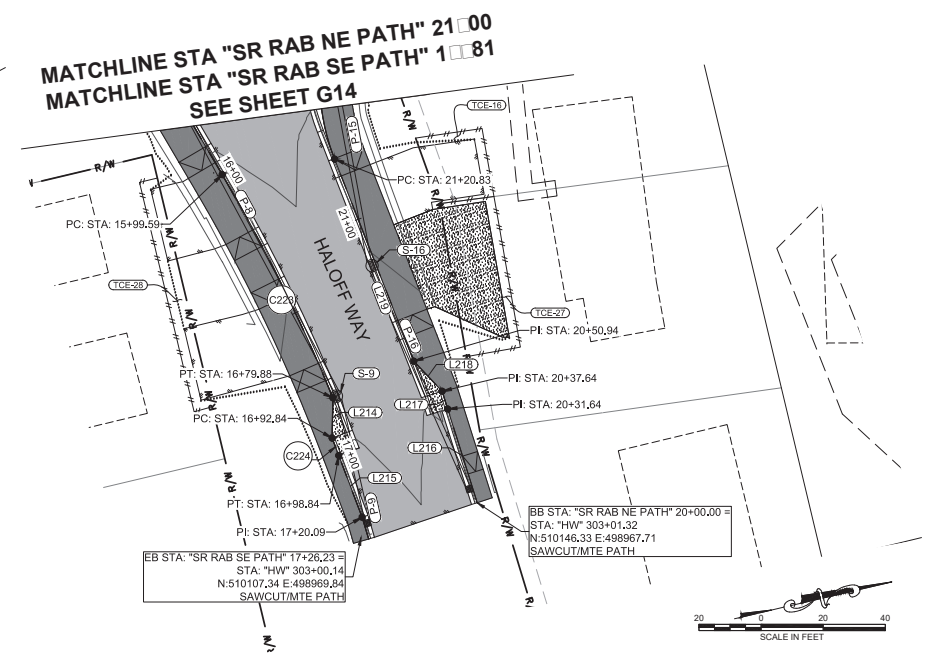
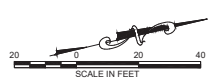
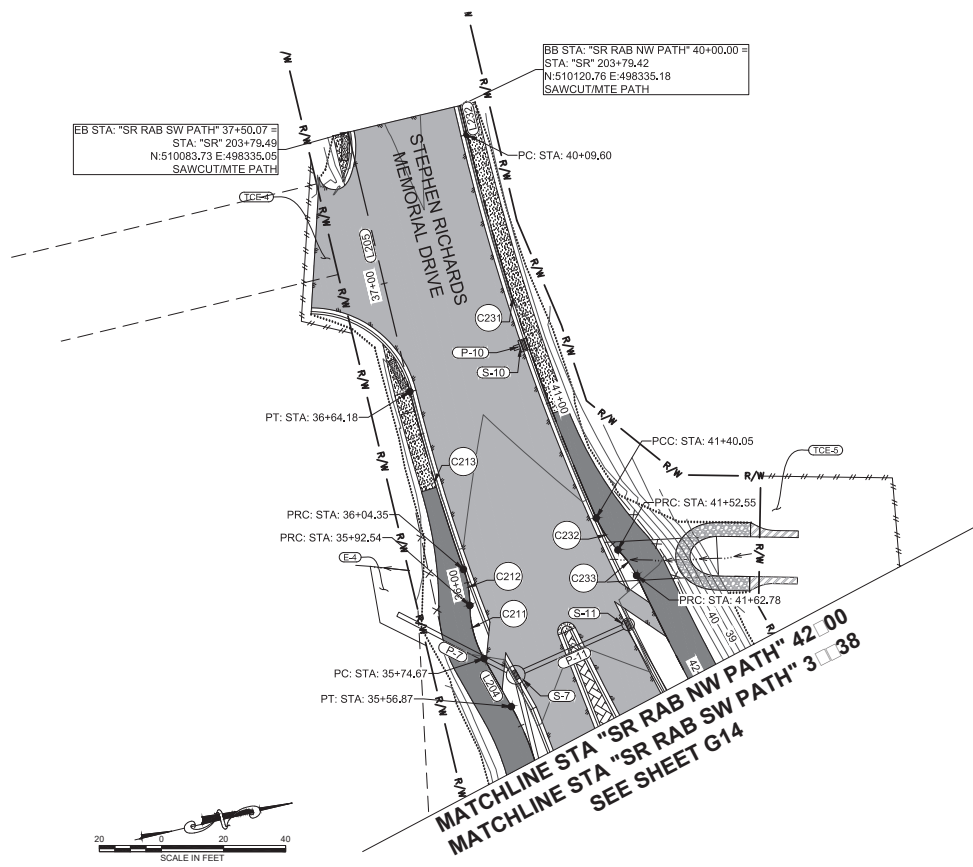
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 Signature: *Jim Bergman* Date: 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 STEPHEN RICHARDS ROUNDABOUT PATH ALIGNMENTS

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORRIS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J ALCB48
 DATE 2/13/2020
 LAYOUT G16
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G16	G37



NOTES:
 1. SEE SHEETS G17-G19 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergan 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PATH ALIGNMENTS

FILE: C:\G1\11_30_Projects\2019\2A\20176-02\G1\11\30-CT-GR-G-PATH-20176.dwg DATE: 2/13/2020 LAYOUT: G17 CHECKED: INGLE DRAFTER: WESTPHAL
 PHONE: (907) 760-3633 DESIGNED: HOBBS
 CERTIFICATE OF AUTH #1 AECUB48
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G17	G37

SR RAB SW PATH ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
C200	30+00.00	509616.15	498533.17	30+22.72	70.00'	22.72'	18°36'00"	
C201	30+22.72	509637.25	498541.35	30+44.16	70.00'	21.44'	17°32'55"	
C202	30+44.16	509657.09	498549.26	31+37.13	859.13'	92.96'	6°11'59"	
C203	31+37.13	509746.58	498574.26	31+79.10	391.00'	41.97'	6°09'00"	
C204	31+79.10	509786.97	498585.58	32+29.49	233.00'	50.39'	12°23'27"	
C205	32+29.49	509836.93	498591.31	32+84.89	963.50'	55.41'	3°17'42"	
C206	32+84.89	509892.30	498593.25	33+65.78	898.00'	80.89'	5°09'39"	
C207	33+65.78	509972.68	498602.00	34+06.39	176.31'	40.61'	13°11'48"	
L200	34+06.39	510011.89	498612.23	34+16.39		10.00'		N6°10'59"E
C208	34+16.39	510021.83	498613.31	34+60.30	167.93'	43.91'	14°58'58"	
C209	34+60.30	510065.55	498610.95	34+94.48	30.00'	34.19'	65°17'23"	
L201	34+94.48	510089.00	498588.63	34+97.41		2.92'		N76°14'11"W
L202	34+97.41	510089.89	498585.80	35+07.42		10.02'		N76°23'32"W
L203	35+07.42	510092.05	498576.06	35+14.81		7.39'		N79°14'51"W
C210	35+14.81	510093.43	498568.80	35+56.87	90.00'	42.06'	26°46'34"	
L204	35+56.87	510091.51	498527.17	35+74.67		17.80'		S73°58'35"W
C211	35+74.67	510086.60	498510.06	35+92.54	35.00'	17.88'	29°15'54"	
C212	35+92.54	510086.17	498492.38	36+04.35	35.00'	11.80'	19°19'30"	
C213	36+04.35	510086.90	498480.66	36+64.18	606.00'	59.83'	5°39'24"	
L205	36+64.18	510083.51	498420.95	37+50.07		85.90'		N89°50'55"W

SR RAB SE PATH ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L206	10+00.00	509590.80	498611.72	10+36.00		36.00'		N13°25'07"E
C214	10+36.00	509625.82	498620.08	10+68.34	70.00'	32.34'	26°28'29"	
C215	10+68.34	509657.88	498619.82	10+87.31	76.21'	18.96'	14°15'17"	
C216	10+87.31	509676.89	498617.86	11+04.82	70.00'	17.51'	14°20'06"	
C217	11+04.82	509693.94	498620.59	11+25.08	785.50'	20.26'	1°28'39"	
L207	11+25.08	509713.32	498626.48	12+37.30		112.22'		N18°22'45"E
C218	12+37.30	509819.82	498661.87	12+47.54	7784.00'	10.24'	0°04'31"	
C219	12+47.54	509829.56	498665.03	13+09.00	383.50'	61.46'	9°10'55"	
L208	13+09.00	509889.28	498679.24	13+11.00		2.00'		S81°12'32"E
L209	13+11.00	509888.98	498681.22	13+81.13		70.14'		N8°10'40"E
C220	13+81.13	509958.40	498691.20	14+09.79	131.50'	28.65'	12°29'06"	
L210	14+09.79	509986.09	498698.32	14+19.79		10.00'		N22°50'30"E
C221	14+19.79	509995.31	498702.20	14+59.53	131.50'	39.74'	17°18'53"	
L211	14+59.53	510028.25	498724.15	14+77.48		17.96'		N42°20'08"E
C222	14+77.48	510041.53	498736.25	15+37.62	112.00'	60.14'	30°45'49"	
L212	15+37.62	510073.26	498786.48	15+56.73		19.11'		N73°05'57"E
L213	15+56.73	510078.82	498804.76	15+99.59		42.86'		N73°05'57"E
C223	15+99.59	510091.28	498845.77	16+79.88	563.00'	80.29'	8°10'17"	
L214	16+79.88	510109.07	498924.00	16+92.84		12.95'		S75°24'38"E
C224	16+92.84	510105.81	498936.53	16+98.84	558.00'	6.00'	0°36'58"	
L215	16+98.84	510106.56	498942.49	17+20.09		21.25'		N82°48'45"E


SR RAB NW PATH ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L232	40+00.00	510120.76	498335.18	40+09.60		9.60'		N89°56'49"E
C231	40+09.60	510120.77	498344.78	41+40.05	701.00'	130.45'	10°39'43"	
C232	41+40.05	510132.31	498474.53	41+52.55	35.00'	12.51'	20°28'37"	
C233	41+52.55	510136.70	498486.17	41+62.78	35.00'	10.23'	16°44'53"	
C234	41+62.78	510140.60	498495.59	43+16.94	790.00'	154.16'	11°10'49"	
C235	43+16.94	510166.31	498642.55	43+51.78	120.00'	34.84'	16°38'01"	
L233	43+51.78	510204.29	498672.25	43+79.44		27.66'		N50°29'55"E
C236	43+79.44	510221.88	498693.60	44+41.36	98.00'	61.92'	36°12'03"	
C237	44+41.36	510273.30	498726.22	44+71.79	149.00'	30.43'	11°42'03"	
C238	44+71.79	510303.38	498730.46	45+10.88	102.00'	39.09'	21°57'21"	
C239	45+10.88	510341.21	498739.29	45+75.49	335.00'	64.61'	11°03'02"	
C240	45+75.49	510397.26	498771.22	46+34.95	489.00'	59.47'	6°58'03"	
L234	46+34.95	510447.82	498802.46	46+69.90		34.94'		N27°16'30"E
L235	46+69.90	510478.88	498818.47	47+04.26		34.37'		N27°07'40"E
L236	47+04.26	510509.47	498834.14	47+50.04		45.78'		N25°13'03"E
C241	47+50.04	510550.88	498853.64	48+85.20	4631.50'	135.15'	1°40'19"	
C242	48+85.20	510672.87	498911.81	49+14.02	70.00'	28.82'	23°35'18"	
C243	49+14.02	510700.57	498918.99	49+48.09	70.00'	34.07'	27°53'22"	

SR RAB NE PATH ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L216	20+00.00	510146.33	498967.71	20+31.64		31.64'		S86°05'44"W
L217	20+31.64	510144.18	498936.15	20+37.64		6.00'		S86°05'44"W
L218	20+37.64	510143.77	498930.16	20+50.94		13.30'		S60°14'08"W
L219	20+50.94	510137.17	498918.62	21+20.83		69.89'		S82°08'56"W
C225	21+20.83	510127.62	498849.38	21+57.79	70.00'	36.96'	30°15'10"	
L220	21+57.79	510132.25	498813.14	21+67.90		10.11'		N63°27'24"W
C226	21+67.90	510136.77	498804.10	21+84.09	70.00'	16.19'	13°15'09"	
C227	21+84.09	510146.56	498791.25	22+06.96	30.00'	22.87'	43°41'02"	
C228	22+06.96	510166.92	498782.09	22+43.58	126.50'	36.62'	16°35'08"	
L221	22+43.58	510203.22	498765.75	22+53.60		10.01'		N16°18'44"E
C229	22+53.60	510212.83	498788.56	22+91.44	126.50'	37.85'	17°08'34"	
L222	22+91.44	510246.39	498805.77	23+71.75		80.31'		N22°34'20"E
L223	23+71.75	510320.54	498836.60	24+01.88		30.13'		N12°14'50"E
L224	24+01.88	510349.98	498842.99	24+74.33		72.45'		N12°58'56"E
L225	24+74.33	510420.58	498859.26	25+13.92		39.60'		N19°34'56"E
L226	25+13.92	510457.89	498872.53	25+27.49		13.56'		N47°21'02"E
L227	25+27.49	510467.07	498882.51	25+33.43		5.94'		N23°44'48"E
L228	25+33.43	510472.51	498884.90	26+01.99		68.56'		N23°44'48"E
L229	26+01.99	510535.27	498912.51	27+06.64		104.65'		N30°15'55"E
C230	27+06.64	510625.66	498965.25	27+19.51	70.00'	12.87'	10°32'08"	
L230	27+19.51	510636.61	498971.98	27+36.07		16.56'		N26°21'35"E
L231	27+36.07	510651.45	498979.33	27+85.95		49.89'		N30°43'51"E

NOTES:
 SR RAB SW = STEPHEN RICHARDS ROUNDABOUT
 SR RAB SE = STEPHEN RICHARDS ROUNDABOUT
 SR RAB NW = STEPHEN RICHARDS ROUNDABOUT
 SR RAB NE = STEPHEN RICHARDS ROUNDABOUT

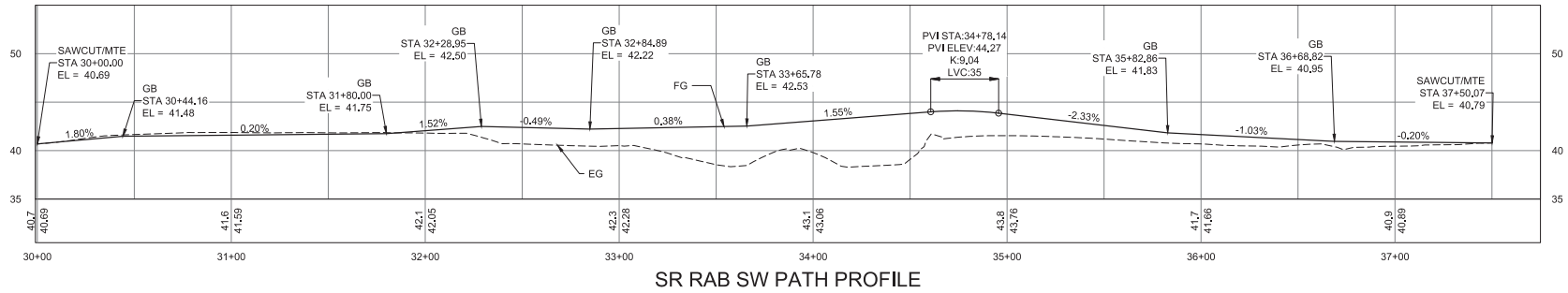
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

 Signature Date 2.15.23



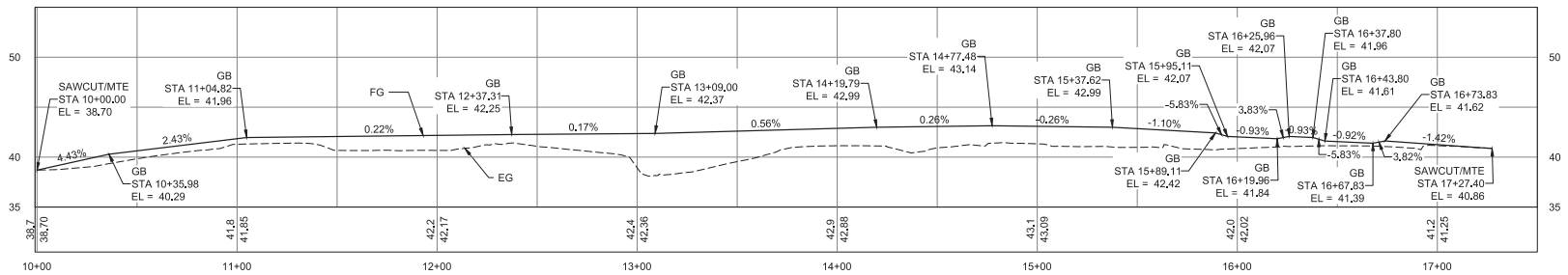
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDEHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PATH ALIGNMENTS

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 DATE: 2/13/2020
 LAYOUT: G18
 9065 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE: (907) 760-3633
 DESIGNED: HOBBS
 CHECKED: NOBLE
 DRAFTED: WESTPAL
 CERTIFICATE OF AUTH # | AELB48


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G18	G37

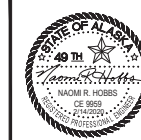


SR RAB SW PATH PROFILE



SR RAB SE PATH PROFILE

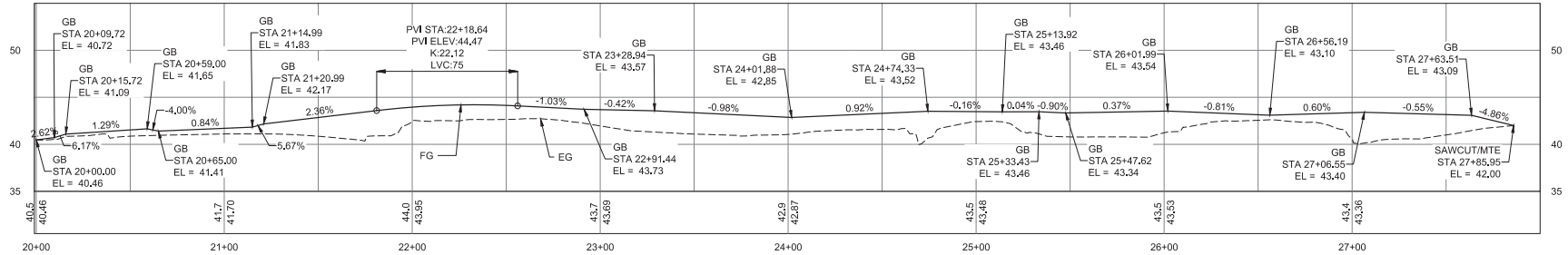
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature Date 2.15.23



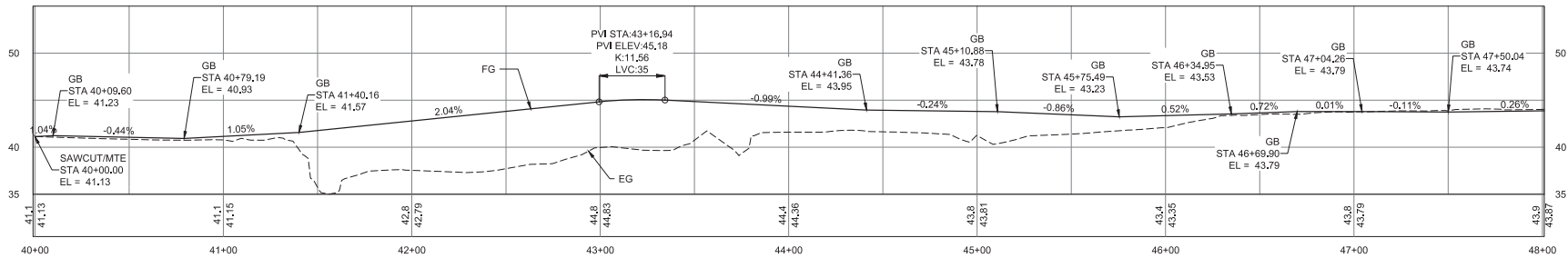
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PATH ALIGNMENTS

FILE: C:\G1\11_30_Projects\2019\2A\20776-02\G1\1\SC-C1-GB-G-PATH-20776.dwg
 DATE: 2/13/2020 | LAYOUT: G19
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE: (907) 760-3633 | DESIGNED: HOBBS | CHECKED: INBLE | DRAFTED: WESTPHAL
 CERTIFICATE OF AUTH # | AECUB48

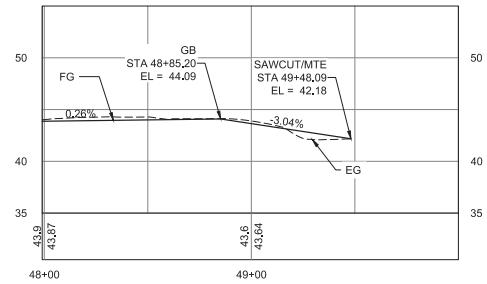
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G19	G37



SR RAB NE PATH PROFILE

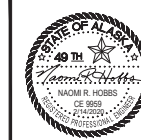


SR RAB NW PATH PROFILE



SR RAB NW PATH PROFILES (CONTINUED)

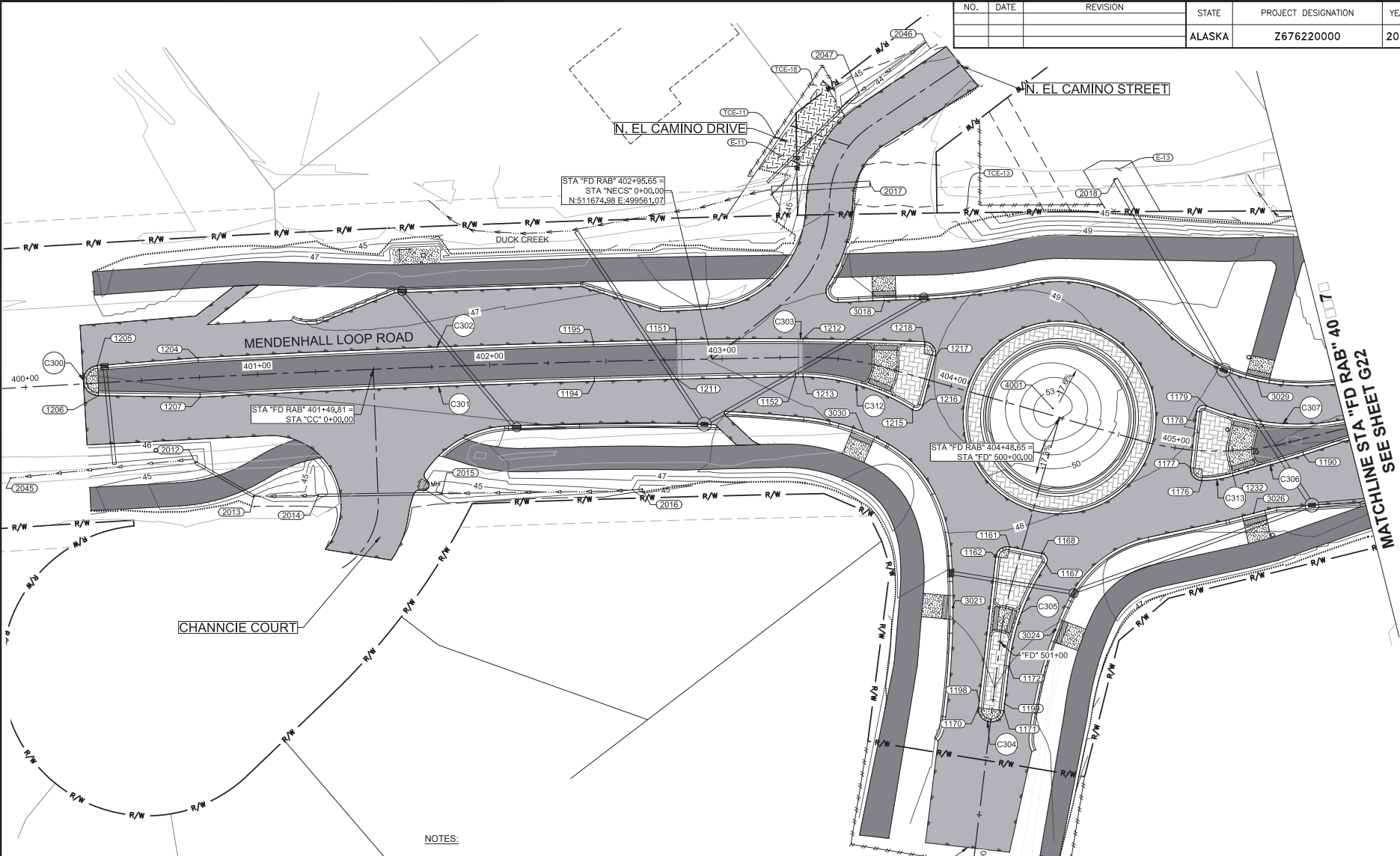
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Bergan 2.15.23
 Signature Date



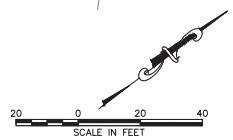
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PATH ALIGNMENTS

9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 786-3633 | CERTIFICATE OF AUTH # ACU848
 2/13/2020 | LAYOUT G20 | CHECKED NOBLE | DRAFTED WESTHAL
 DATE | FILE C:\G1\11_30_Projects\2019\24\10776-02\G1\11\SC-C1-08-c-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G20	G37



- NOTES:**
- SEE SHEET G23 FOR POINT AND CURVE TABLES.
 - 1000 SERIES POINTS ARE PLACED AT EDGE OF PAVEMENT (EOP). 2000 SERIES POINTS ARE LOW POINTS OF CONSTRUCTED SWALES. 3000 SERIES POINTS ARE REFERENCE POINTS FOR CURB RAMPS AND CURB CUTS. 4000 SERIES ARE HIGH POINTS OF THE ROUNDABOUT CENTER CIRCLES.
 - GRADING POINTS FOR CURB AND CURB RAMPS IN THE ROUNDABOUT MEDIANS ARE ON SHEET G21.



FLOYD DRYDEN ACCESS

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

Jim Bergen 2.15.23
 Signature Date



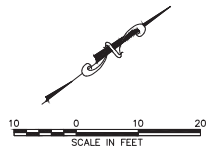
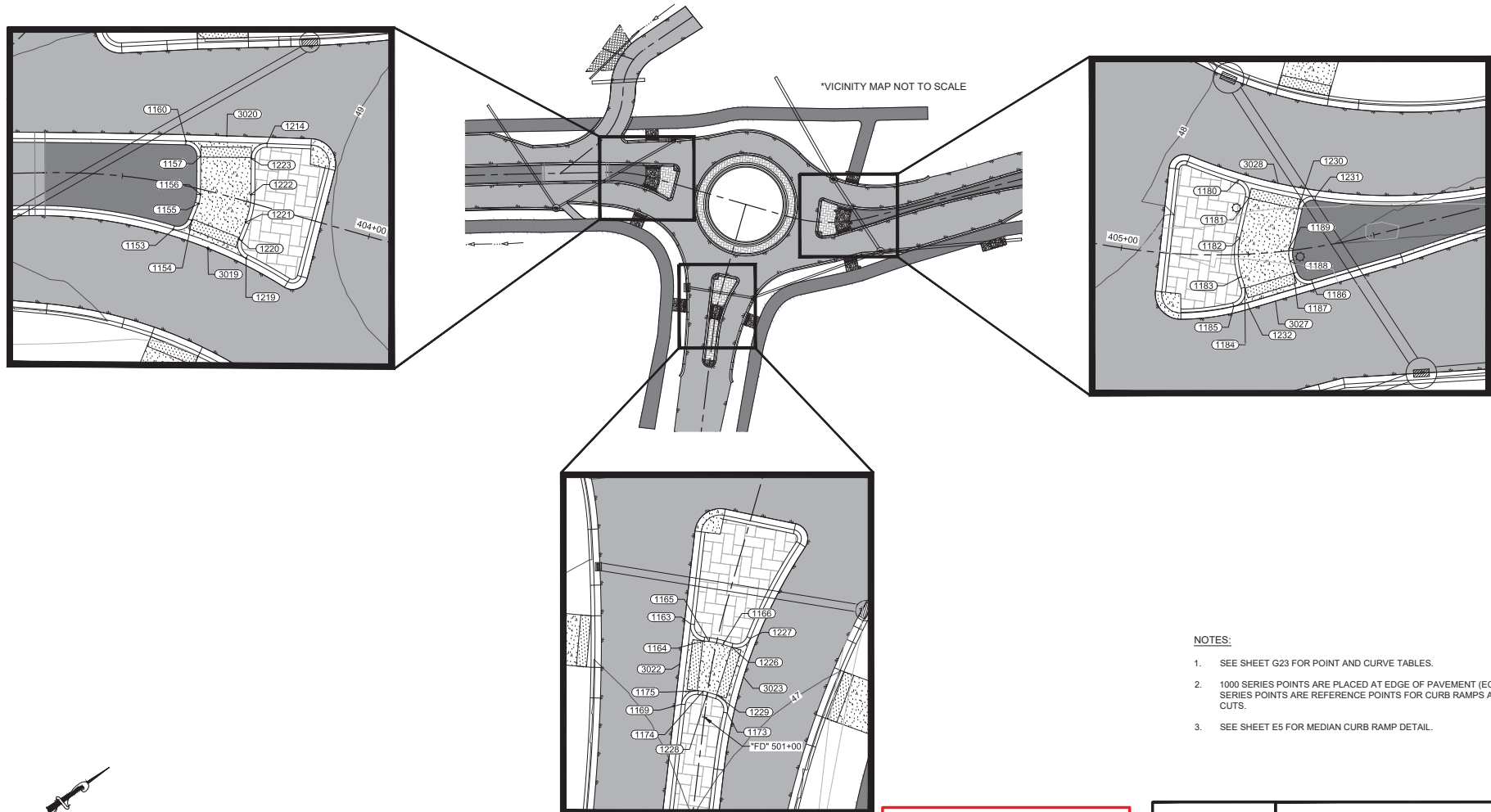
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 MEDIANS, SWALES & CURB RAMPS
 (ADD. ALT. 1)**

MATCHLINE STA "FD RAB" 40+17
 SEE SHEET G22

9085 GLACIER HIGHWAY - JUNEAU, AK 99801 PHONE (907) 760-3633 CERTIFICATE OF AUTH #1 AELCB48
 DESIGNED HORBS CHECKED NOBLE DRAFTED WESTPHAL
 DATE 2/13/2020 LAYOUT G21
 FILE C:\GVI\1_30_Projects\A\2018\A\20776-02\CIVIL\SC-C-06-c-70776.dwg

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			ALASKA	Z676220000	2020	G21	G37

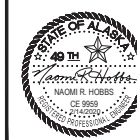


NOTES:

1. SEE SHEET G23 FOR POINT AND CURVE TABLES.
2. 1000 SERIES POINTS ARE PLACED AT EDGE OF PAVEMENT (EOP). 3000 SERIES POINTS ARE REFERENCE POINTS FOR CURB RAMPS AND CURB CUTS.
3. SEE SHEET E5 FOR MEDIAN CURB RAMP DETAIL.

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

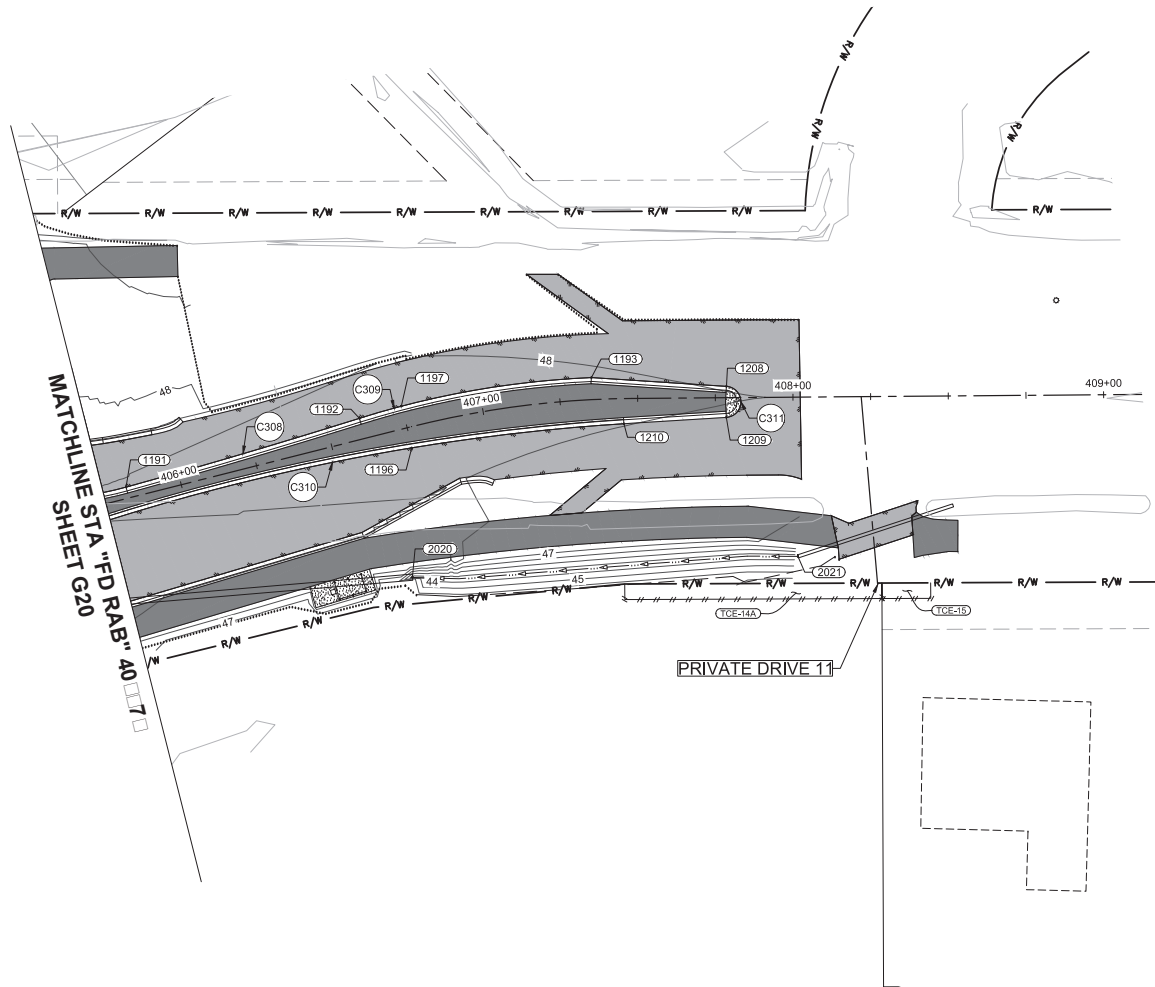
Jim Bergman 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 MEDIAN CURB RAMPS
 (ADD. ALT. 1)**

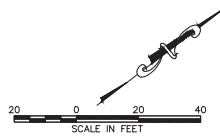
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 PHONE (907) 760-3633 CHECKED NOBLE
 DESIGNED HOBBS
 CERTIFICATE OF AUTH #1 AELB48 DRAFTED WESTPHAL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G22	G37



NOTES:

- SEE SHEET G23 FOR POINT AND CURVE TABLES.
- 1000 SERIES POINTS ARE PLACED AT EDGE OF PAVEMENT (EOP). 2000 SERIES POINTS ARE LOW POINTS OF CONSTRUCTED SWALES. 3000 SERIES POINTS ARE REFERENCE POINTS FOR CURB RAMPS AND CURB CUTS. 4000 SERIES ARE HIGH POINTS OF THE ROUNDABOUT CENTER CIRCLES.



Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Bergman 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 MEDIANS, SWALES & CURB RAMPS
 (ADD. ALT. 1)**

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 DATE 2/13/2020 LAYOUT G23
 DESIGNED HOBBS CHECKED NOBLE
 PHONE (907) 760-3633 DRAFTER WESTPHAL
 CERTIFICATE OF AUTH # ALCURAB
 9085 GLACIER HIGHWAY - JANEAU, AK 99801


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G23	G37

POINT TABLE					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
1151	511667.79	499545.10	47.65'	EOP	FD RAB 402+80.42, 8.64' LT
1152	511698.93	499589.01	48.21'	EOP	FD RAB 403+31.49, 8.39' RT
1153	511719.80	499608.37	48.52'	FL	FD RAB 403+61.92, 8.89' RT
1154	511723.77	499609.19	48.60'	FL	FD RAB 403+65.33, 6.40' RT
1155	511726.84	499607.36	48.67'	FL	FD RAB 403+65.89, 2.87' RT
1156	511728.23	499606.14	48.70'	FL	FD RAB 403+65.82, 1.02' RT
1161	511727.70	499703.04	47.83'	EOP	FD RAB 500+59.40, 5.32' RT
1162	511720.32	499702.84	47.75'	EOP	FD RAB 500+65.21, 9.88' RT
1163	511708.55	499716.86	47.39'	FL	FD RAB 500+82.77, 5.77' RT
1164	511708.63	499721.10	47.37'	FL	FD RAB 500+85.33, 2.45' RT
1165	511709.34	499721.79	47.38'	FL	FD RAB 500+85.23, 1.47' RT
1166	511711.18	499723.92	47.38'	FL	FD RAB 500+85.21, 1.34' LT
1167	511735.63	499718.50	47.60'	EOP	FD RAB 500+62.26, 11.82' LT
1168	511736.92	499713.70	47.70'	EOP	FD RAB 500+58.36, 8.74' LT
1169	511697.56	499728.28	47.16'	FL	FD RAB 500+97.98, 4.78' RT
1170	511674.99	499749.91	46.83'	EOP	FD RAB 501+29.23, 5.84' RT
1171	511682.91	499757.54	46.81'	EOP	FD RAB 501+29.16, 5.16' LT
1172	511696.31	499743.63	47.00'	EOP	FD RAB 501+09.85, 5.04' LT
1173	511703.63	499735.12	47.15'	FL	FD RAB 500+98.65, 4.35' LT
1174	511702.46	499728.83	47.26'	FL	FD RAB 500+94.97, 0.91' RT
1175	511701.80	499728.20	47.24'	FL	FD RAB 500+95.00, 1.82' RT
1176	511810.75	499730.63	47.76'	EOP	FD RAB 405+12.35, 12.82' RT
1177	511810.17	499723.20	47.84'	EOP	FD RAB 405+07.42, 7.63' RT
1178	511827.00	499705.60	47.97'	EOP	FD RAB 405+08.02, 16.71' LT
1179	511831.76	499706.17	47.94'	EOP	FD RAB 405+12.65, 19.42' LT
1180	511836.47	499715.71	47.92'	FL	FD RAB 405+23.71, 14.72' LT
1181	511835.97	499719.77	47.93'	FL	FD RAB 405+25.82, 11.09' LT
1182	511829.78	499724.95	47.94'	FL	FD RAB 405+23.53, 3.32' LT
1183	511825.35	499731.23	47.86'	FL	FD RAB 405+23.51, 4.37' RT
1184	511824.59	499733.27	47.83'	FL	FD RAB 405+24.04, 6.48' RT
1185	511820.56	499734.96	47.77'	FL	FD RAB 405+21.87, 10.19' RT
1186	511835.65	499740.76	47.83'	FL	FD RAB 405+36.71, 6.97' RT
1187	511833.91	499736.91	47.87'	FL	FD RAB 405+33.43, 4.50' RT
1188	511834.79	499734.54	47.93'	FL	FD RAB 405+32.99, 2.01' RT
1189	511836.26	499732.45	47.97'	FL	FD RAB 405+33.19, 0.54' LT
1190	511852.24	499748.46	47.88'	EOP	FD RAB 405+54.31, 6.82' RT
1191	511882.32	499750.03	48.05'	EOP	FD RAB 405+82.56, 3.59' LT
1192	511955.47	499778.04	48.24'	EOP	FD RAB 406+60.83, 6.72' LT
1193	512022.79	499812.96	48.04'	EOP	FD RAB 407+35.46, 7.10' LT
1194	511628.94	499537.96	47.41'	EOP	FD RAB 402+44.79, 8.50' RT

POINT TABLE					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
1195	511638.87	499524.17	47.41'	EOP	FD RAB 402+44.79, 8.50' LT
1196	511963.08	499795.82	48.33'	EOP	FD RAB 406+74.84, 6.62' RT
1197	511968.55	499783.14	48.25'	EOP	FD RAB 406+74.86, 7.19' LT
1198	511677.01	499747.81	46.89'	EOP	FD RAB 501+26.31, 5.86' RT
1199	511684.94	499755.44	46.83'	EOP	FD RAB 501+26.24, 5.14' LT
1204	511499.13	499425.99	47.11'	EOP	FD RAB 400+74.21, 8.53' LT
1205	511463.12	499402.73	47.09'	EOP	FD RAB 400+31.39, 7.51' LT
1206	511455.57	499413.29	46.83'	EOP	FD RAB 400+31.05, 5.48' RT
1207	511489.99	499440.37	46.94'	EOP	FD RAB 400+74.79, 8.50' RT
1208	512055.60	499841.61	47.98'	EOP	FD RAB 407+78.60, 3.64' LT
1209	512049.52	499849.53	47.92'	EOP	FD RAB 407+78.51, 6.34' RT
1210	512022.07	499831.11	48.00'	EOP	FD RAB 407+45.42, 8.10' RT
1211	511657.79	499558.85	47.66'	EOP	FD RAB 402+80.47, 8.36' RT
1212	511711.37	499577.89	48.29'	EOP	FD RAB 403+34.92, 7.93' LT
1213	511701.45	499590.94	48.24'	EOP	FD RAB 403+34.67, 8.45' RT
2012	511471.26	499461.48	43.94'	SW	FD RAB 400+71.25, 36.49' RT
2013	511482.46	499488.31	45.27'	SW	FD RAB 400+95.82, 52.28' RT
2014	511504.70	499504.79	44.23'	SW	FD RAB 401+23.69, 53.17' RT
2015	511547.47	499536.49	44.81'	SW	FD RAB 401+77.31, 54.60' RT
2016	511617.10	499507.34	44.31'	SW	FD RAB 402+64.48, 55.38' RT
2017	511774.75	499542.47	46.51'	SW	FD RAB 403+53.60, 76.31' LT
2018	511859.91	499604.84	43.13'	SW	FD RAB 404+43.40, 105.29' LT
2046	511830.90	499508.65	44.00'	SW	FD RAB 403+61.05, 140.39' LT
2047	511794.82	499508.29	43.27'	SW	FD RAB 403+48.41, 114.88' LT
3018	511749.20	499586.04	48.53'	CR	FD RAB 403+64.02, 27.96' LT
3019	511722.96	499615.43	48.57'	CR	FD RAB 403+70.03, 10.93' RT
3020	511739.34	499600.12	48.70'	CR	FD RAB 403+68.04, 11.41' LT
3021	511692.51	499708.93	47.10'	CR	FD RAB 500+89.12, 22.22' RT
3022	511702.07	499721.79	47.25'	CR	FD RAB 500+90.53, 6.27' RT
3023	511710.47	499731.44	47.21'	CR	FD RAB 500+90.90, 6.52' LT
3024	511721.51	499743.34	46.95'	CR	FD RAB 500+90.86, 22.75' LT
3026	511819.87	499755.28	47.44'	CR	FD RAB 405+31.18, 27.48' RT
3027	511827.75	499739.10	47.77'	CR	FD RAB 405+29.54, 9.98' RT
3028	511842.21	499721.01	47.91'	CR	FD RAB 405+32.39, 13.41' LT
3029	511855.68	499710.98	47.84'	CR	FD RAB 405+40.66, 28.74' LT
3030	511707.79	499625.57	48.23'	CR	FD RAB 403+68.48, 29.12' RT

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING & DISTANCE
C300	19.82'	6.50'	174.73°	S54° 26' 39"E, 12.99'
C301	205.42'	7191.50'	1.64°	S35° 13' 27"W, 205.41'
C302	205.90'	7208.50'	1.64°	N35° 13' 27"E, 205.89'
C303	106.84'	1701.50'	3.60°	S37° 50' 31"W, 106.82'
C304	17.28'	5.50'	180.00°	N43° 55' 24"E, 11.00'
C305	47.10'	100.00'	26.99°	N32° 34' 57"W, 46.67'
C306	31.59'	3288.00'	0.55°	N20° 52' 04"E, 31.59'
C307	68.16'	103.00'	37.92°	S40° 56' 47"W, 66.93'
C308	78.33'	2156.50'	2.08°	S20° 56' 49"W, 78.33'
C309	76.06'	290.00'	15.03°	S27° 25' 12"W, 75.84'
C310	189.45'	700.00'	15.51°	N25° 57' 02"E, 188.87'
C311	15.07'	5.00'	172.74°	N52° 30' 24"W, 9.98'
C312	52.77'	91.00'	33.23°	N53° 03' 48"E, 52.04'
C313	13.67'	48.00'	16.31°	N28° 44' 54"E, 13.62'

NOTES:
 EOP: EDGE OF PAVEMENT
 FL: FLOW LINE
 SW: SWALE
 CR: CURB RAMP
 CC: CURB CUT

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

 Signature Date 2.15.23

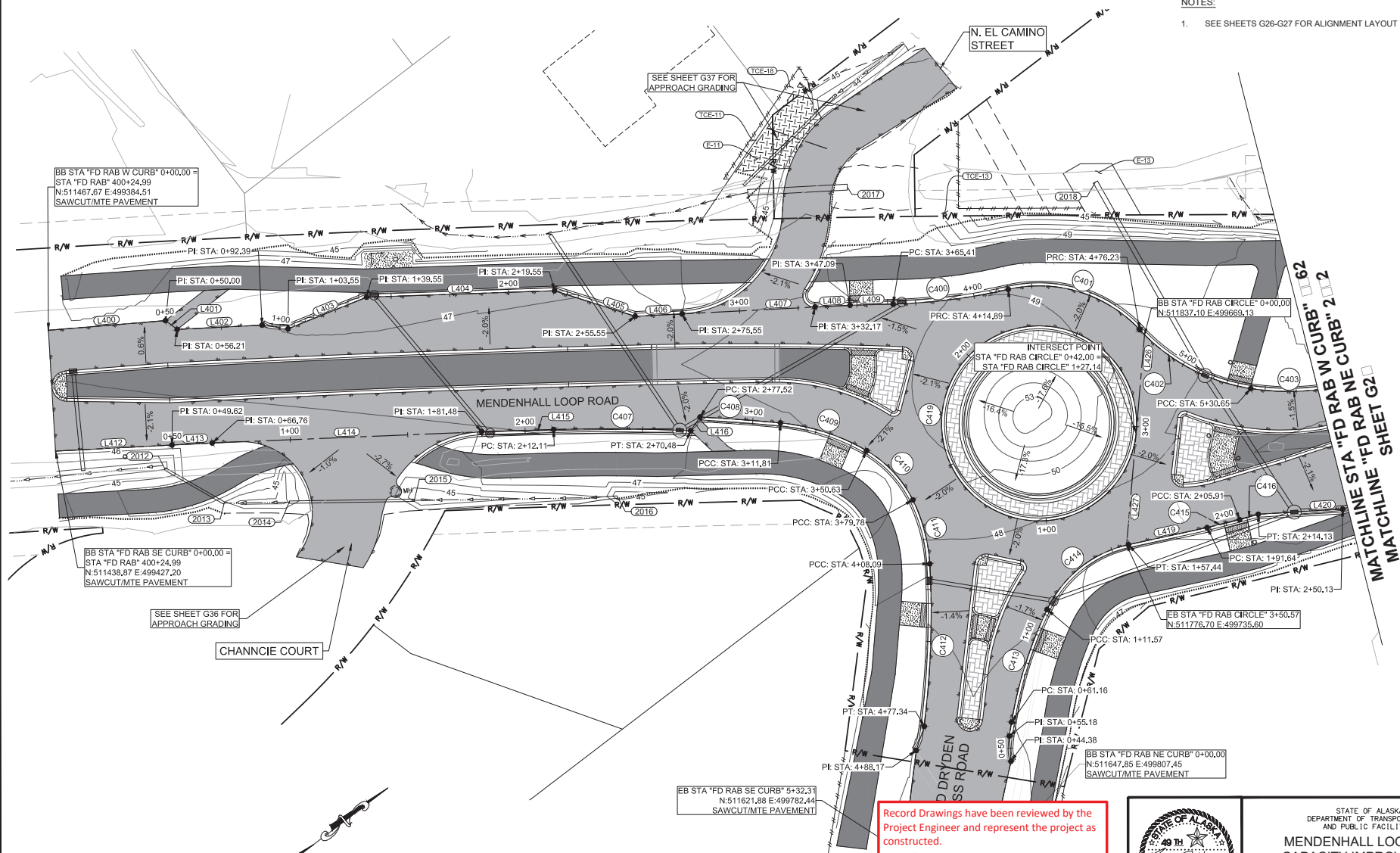


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 GRADING POINTS AND CURVE TABLES
 (ADD. ALT. 1)**

CERTIFICATE OF AUTHORITY #1 AECUB48
 9065 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORRIS
 CHECKED INGBLE
 DRAFTED WESTPHAL
 DATE 2/13/2020 LAYOUT G24
 FILE C:\G1\1_30_Projects\2019\2A\20776-02\G1\1\30-C1-06-c-20776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G24	G37

NOTES:
 1. SEE SHEETS G26-G27 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.



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

Jim Bergman 2.15.23
 Signature Date



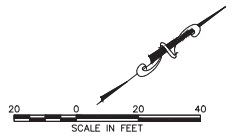
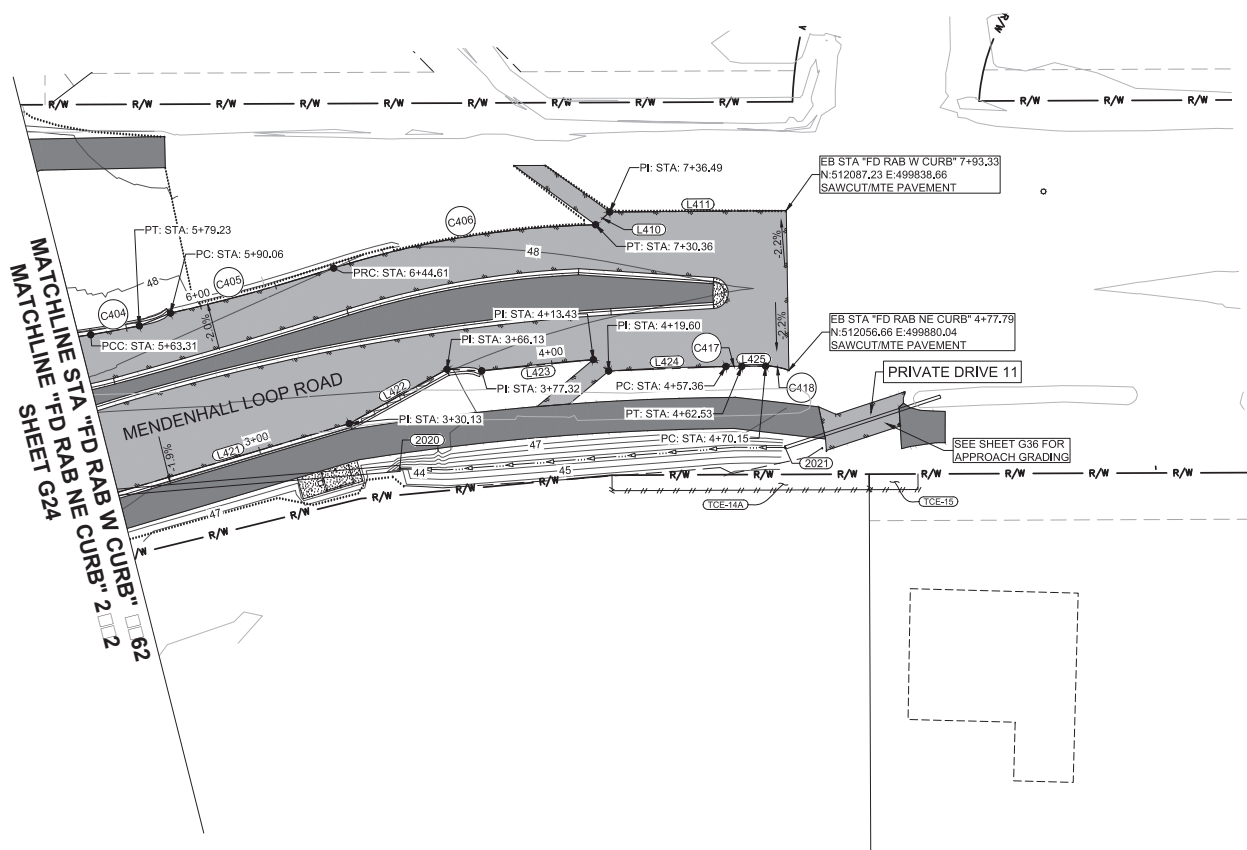
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 CURB RETURN ALIGNMENTS**
 (ADD. ALT. 1)

9065 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORBS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J ACLB48
 DATE 2/13/2020 LAYOUT G25
 FILE C:\G1\11_30_Projects\1010\2A\10776-02\G1\11\SC-C\1\SC-C\06-4-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G25	G37

NOTES:
 1. SEE SHEETS G26-G27 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.



Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Bergman 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 CURB RETURN ALIGNMENTS**
 (ADD. ALT. 1)

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G26	G37

FD RAB W CURB ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L400	0+00.00	511467.67	499384.51	0+50.00		50.00'		N32°39'56"E
L401	0+50.00	511509.77	499411.49	0+56.21		6.21'		N74°29'59"E
L402	0+56.21	511511.43	499417.48	0+82.39		36.18'		N34°28'45"E
L403	1+03.55	511549.08	499445.92	1+39.55		36.00'		N15°28'52"E
L404	1+39.55	511583.77	499455.53	2+19.55		80.00'		N35°24'13"E
L405	2+19.55	511648.98	499501.87	2+55.55		36.00'		N54°56'58"E
L406	2+55.55	511669.65	499531.34	2+75.55		20.00'		N34°26'35"E
L407	2+75.55	511686.15	499542.65	3+32.17		56.62'		N34°26'35"E
L408	3+32.17	511732.84	499574.68	3+47.09		14.91'		N34°26'35"E
L409	3+47.09	511745.14	499583.11	3+65.41		18.32'		N35°46'43"E
C400	3+65.41	511760.01	499593.83	4+14.89	250.00'	49.48'	11°20'27"	
C401	4+14.89	511802.75	499618.61	4+76.23	56.50'	61.34'	60°04'38"	
C402	4+76.23	511836.78	499666.28	5+30.65	81.00'	54.42'	38°29'36"	
C403	5+30.65	511859.12	499714.78	5+63.31	105.00'	32.66'	17°49'19"	
C404	5+63.31	511885.01	499734.47	5+79.23	512.00'	15.92'	1°46'53"	
C405	5+90.06	511909.65	499744.52	6+44.61	560.30'	54.55'	5°34'42"	
C406	6+44.61	511960.22	499764.92	7+30.36	303.95'	85.75'	16°09'52"	
L410	7+30.36	512035.69	499805.03	7+36.49		6.13'		N4°51'12"W
L411	7+36.49	512041.79	499804.51	7+93.33		56.84'		N36°55'57"E

FD RAB SE CURB ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L412	0+00.00	511438.87	499427.20	0+49.62		49.62'		N34°23'15"E
L413	0+49.62	511479.82	499455.22	0+66.76		17.14'		N34°28'28"E
L414	0+66.76	511493.94	499464.92	1+81.48		114.72'		N35°00'03"E
L415	1+81.48	511587.92	499530.72	2+12.11		30.63'		N35°34'53"E
C407	2+12.11	511612.83	499548.55	2+70.48	772.00'	58.37'	4°19'56"	
L416	2+70.48	511658.90	499584.37	2+77.52		7.04'		N18°17'55"W
C408	2+77.52	511665.58	499582.16	3+11.81	778.00'	34.30'	2°31'33"	
C409	3+11.81	511691.24	499604.92	3+50.63	90.00'	38.81'	24°42'28"	
C410	3+50.63	511713.22	499636.53	3+79.78	50.00'	29.15'	33°24'12"	
C411	3+79.78	511716.10	499665.13	4+08.09	70.00'	28.32'	23°10'44"	
C412	4+08.09	511705.33	499691.11	4+77.34	385.73'	69.24'	10°17'07"	

FD RAB CIRCLE ROUNDABOUT ALIGNMENT


SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L426	0+00.00	511837.10	499669.13	0+41.40		41.40'		S47°44'44"E
C419	0+41.40	511809.26	499699.77	3+01.57	41.50'	280.17'	359°11'26"	
L427	3+01.57	511809.65	499699.34	3+50.57		49.00'		S47°44'23"E

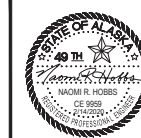
FD RAB NE CURB ALIGNMENT

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
C413	0+61.16	511692.10	499765.74	1+11.57	175.85'	50.41'	16°25'34"	
C414	1+11.57	511733.20	499736.85	1+57.44	50.00'	45.87'	52°33'39"	
L419	1+57.44	511777.47	499735.95	1+91.64		34.20'		N25°07'24"E
C415	1+91.64	511808.43	499750.48	2+05.91	318.00'	14.27'	2°34'17"	
C416	2+05.91	511821.49	499756.24	2+14.13	151.50'	8.22'	3°06'27"	
L420	2+14.13	511829.16	499759.19	2+50.13		36.00'		N33°53'39"E
L421	2+50.13	511859.04	499779.26	3+30.13		80.00'		N20°51'18"E
L422	3+30.13	511933.80	499807.74	3+66.13		36.00'		N8°19'18"E
L423	3+77.32	511978.01	499820.13	4+13.43		36.11'		N31°38'21"E
L424	4+19.60	512010.46	499845.00	4+57.36		37.76'		N35°07'35"E
C417	4+57.36	512041.34	499866.73	4+62.53	944.65'	5.17'	0°18'48"	
L425	4+62.53	512045.47	499869.83	4+70.15		7.62'		N36°55'57"E
C418	4+70.15	512051.57	499874.41	4+77.79	20.00'	7.65'	21°54'09"	

NOTES:

FD RAB W = FLOYD DRYDEN ROUNDABOUT WEST
 FD RAB NE = FLOYD DRYDEN ROUNDABOUT NORTHEAST
 FD RAB SE = FLOYD DRYDEN ROUNDABOUT SOUTHEAST
 FD RAB CIRCLE = FLOYD DRYDEN ROUNDABOUT CIRCLE

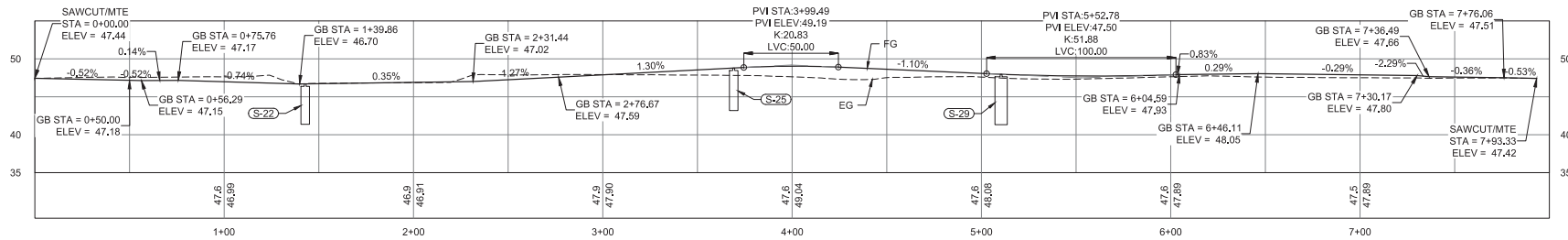
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature Date 2.15.23



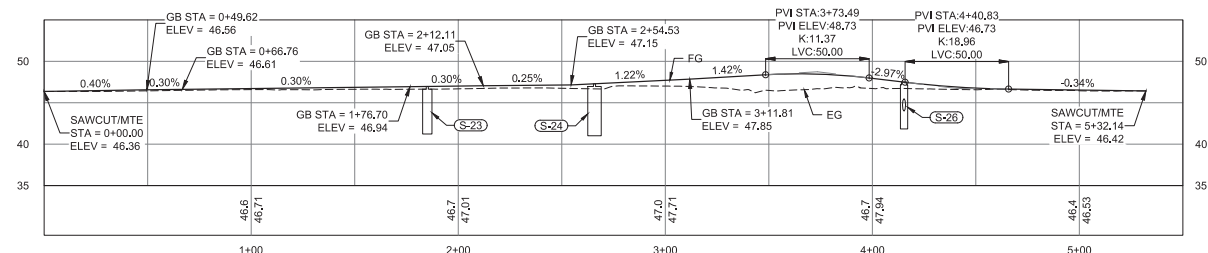
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 CURB RETURN ALIGNMENTS
 (ADD. ALT. 1)**

FILE: C:\G11\1_30_Projects\2018\2A\20176-02\Civil\ASC-C1-06-C-70776.dwg
 DATE: 2/13/2020
 LAYOUT: C27
 DESIGNED: HORRIS
 CHECKED: INGLE
 DRAFTED: WESTPHAL
 PHONE: (907) 760-3633
 CERTIFICATE OF AUTH. # J AECUB48

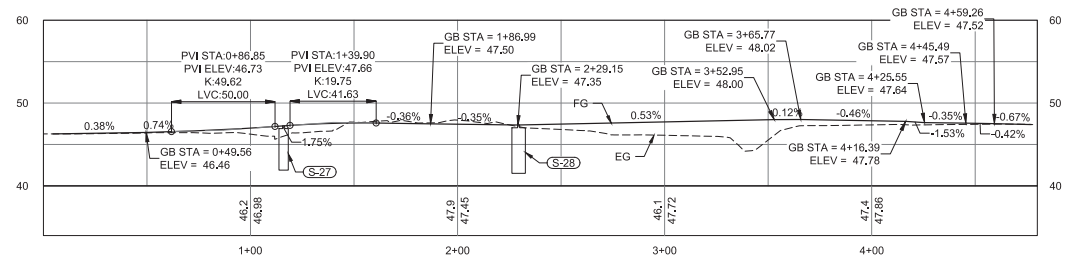
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G27	G37



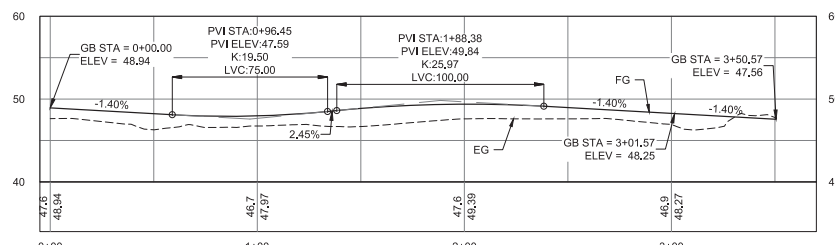
FD RAB W CURB PROFILE



FD RAB SE CURB PROFILE



FD RAB NE CURB PROFILE



FD RAB CIRCLE PROFILE

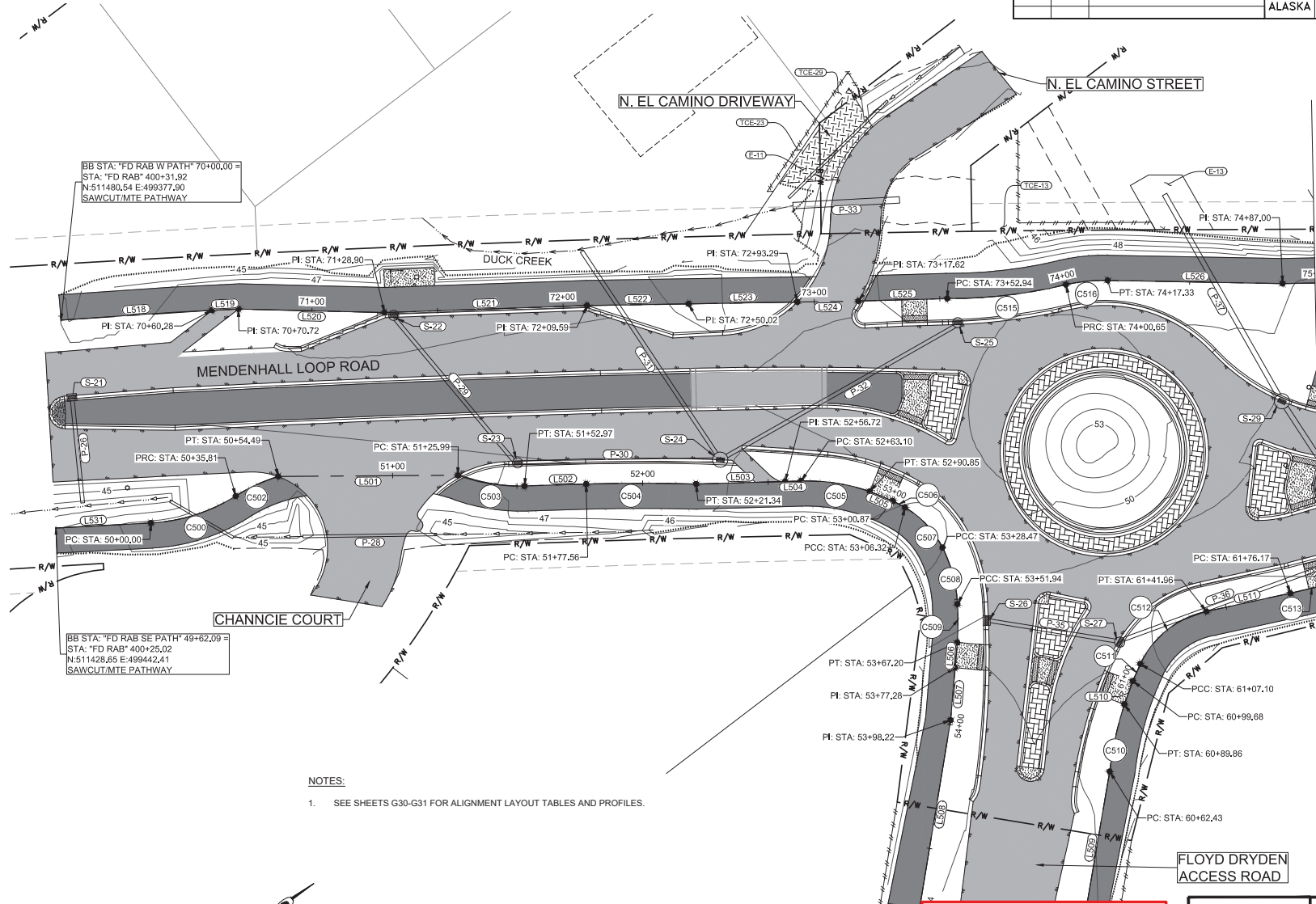
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Bergan 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 CURB RETURN PROFILES**
 (ADD. ALT. 1)

FILE: C:\G1\1_30_Projects\2019\2A\20776-02\C1\1\SC-C1-06-G-PATH-20776.dwg
 DATE: 2/13/2020 LAYOUT C28
 PHONE: (907) 760-3633
 DESIGNED: HOBBS
 CHECKED: NOBLE
 DRAFTER: WESTPHAL
 CERTIFICATE OF AUTH # J AECUB48
 9065 GLACIER HIGHWAY, JUNEAU, AK 99801

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G28	G37




MATCHLINE STA "FD RAB W PATH" 7+00
 MATCHLINE STA "FD RAB NE PATH" 61+80
 SHEET G2

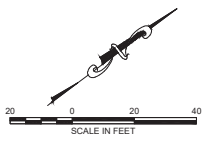
BB STA: "FD RAB W PATH" 70+00.00 =
 STA: "FD RAB" 400+31.92
 N:511480.54 E:499377.90
 SAWCUT/MTE PATHWAY

BB STA: "FD RAB SE PATH" 49+62.09 =
 STA: "FD RAB" 400+25.02
 N:511428.65 E:499442.41
 SAWCUT/MTE PATHWAY

BB STA: "FD RAB SE PATH" 54+73.77
 STA: "FD" 501+89.69
 N:511610.16 E:499771.15
 SAWCUT/MTE PATHWAY

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

 Signature Date 2.15.23

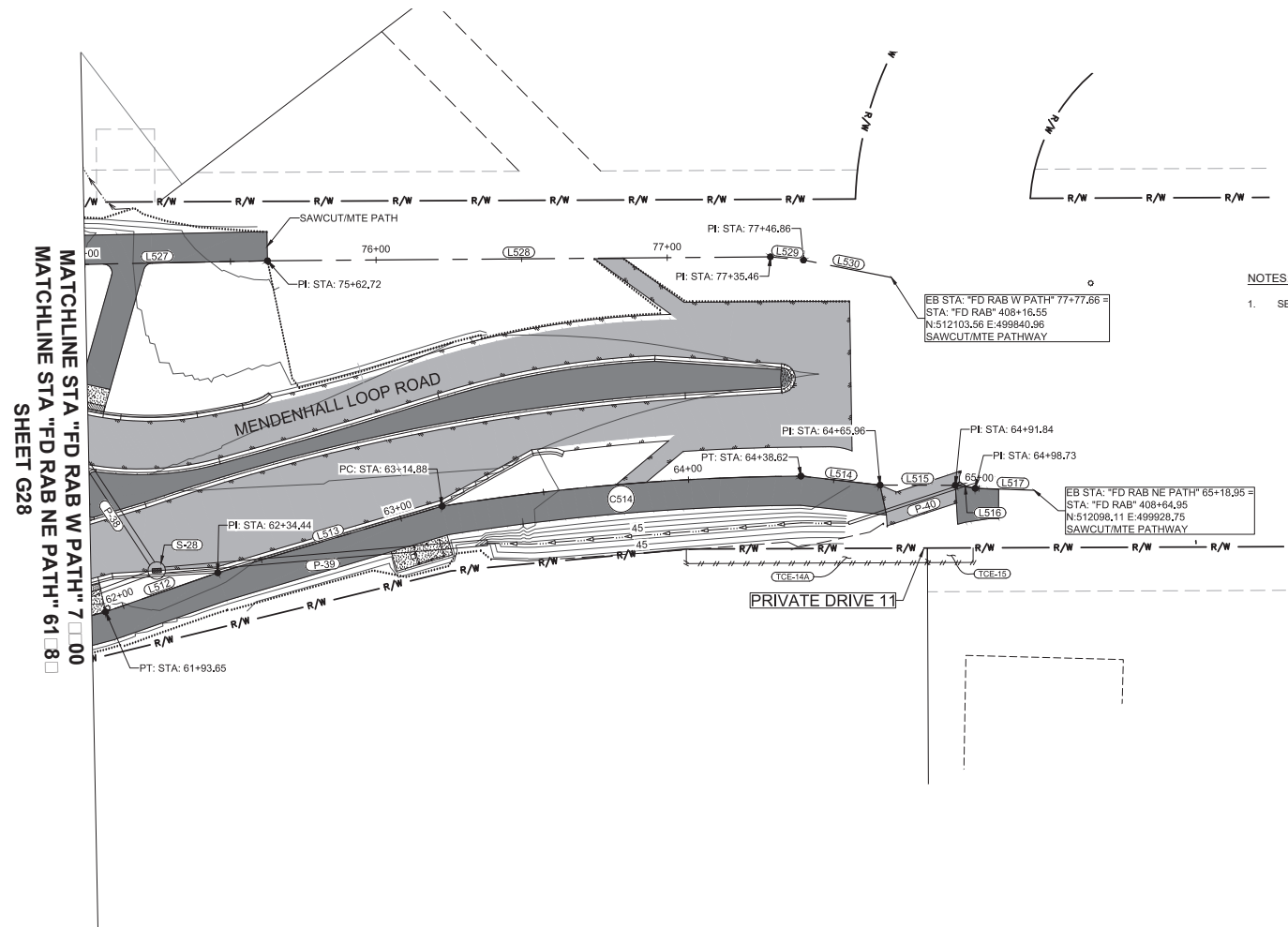
- NOTES:
- SEE SHEETS G30-G31 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 PATH ALIGNMENTS
 (ADD. ALT. 1)**

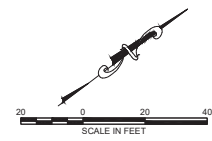
9065 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3533
 DESIGNED HORRIS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J ALCB48
 DATE 2/13/2020 LAYOUT G29
 FILE C:\CIVIL\30 Projects\2018\2A\20776-02\CIVIL\SC-C\06-6-PATH-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G29	G37



MATCHLINE STA "FD RAB W PATH" 7+00
 MATCHLINE STA "FD RAB NE PATH" 61+8

NOTES:
 1. SEE SHEETS G30-G31 FOR ALIGNMENT LAYOUT TABLES AND PROFILES.



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

Jim Bergum 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 PATH ALIGNMENTS
 (ADD. ALT. 1)**


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G30	G37

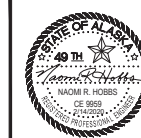
NOTES:
 FD RAB W = FLOYD DRYDEN ROUNDABOUT WEST
 FD RAB NE = FLOYD DRYDEN ROUNDABOUT NORTHEAST
 FD RAB SE = FLOYD DRYDEN ROUNDABOUT SOUTHEAST
 FD RAB CIRCLE = FLOYD DRYDEN ROUNDABOUT CIRCLE

FD RAB W PATH ALIGNMENT								
SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L518	70+00.00	511480.54	499377.90	70+60.28		60.28'		N33°39'59"E
L519	70+60.28	511530.71	499411.32	70+70.72		10.44'		N34°35'00"E
L520	70+70.72	511539.30	499417.24	71+28.90		58.18'		N38°47'42"E
L521	71+28.90	511584.65	499453.69	72+09.59		80.70'		N35°24'13"E
L522	72+09.59	511650.42	499500.44	72+50.02		40.43'		N36°24'36"E
L523	72+50.02	511682.95	499524.44	72+93.29		43.27'		N36°24'36"E
L524	72+93.29	511717.77	499550.12	73+17.62		24.33'		N36°24'36"E
L525	73+17.62	511737.36	499564.56	73+52.94		35.32'		N35°46'43"E
C515	73+52.94	511766.01	499585.21	74+00.65	198.18'	47.71'	13°47'36"	
C516	74+00.65	511806.93	499609.53	74+17.33	68.50'	16.68'	13°57'06"	
L526	74+17.33	511821.12	499618.21	74+87.00		69.67'		N38°25'59"E
L527	74+87.00	511875.70	499661.52	75+62.72		75.72'		N36°15'22"E
L528	75+62.72	511936.75	499706.29	77+35.46		172.75'		N36°56'01"E
L529	77+35.46	512074.84	499810.10	77+46.86		11.39'		N42°55'28"E
L530	77+46.86	512083.18	499817.85	77+77.66		30.81'		N48°34'47"E

FD RAB SE PATH ALIGNMENT								
SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L531	49+61.94	511428.52	499442.32	50+00.00		38.06'		N34°23'15"E
C500	50+00.00	511459.93	499463.82	50+35.81	70.00'	35.81'	29°18'50"	
C502	50+35.81	511493.27	499475.77	50+54.49	70.00'	18.67'	15°17'00"	
L501	50+54.49	511511.43	499479.87	51+25.99		71.50'		N36°58'50"E
C503	51+25.99	511568.55	499522.89	51+52.97	70.14'	26.98'	22°02'30"	
L502	51+52.97	511587.00	499542.35	51+77.56		24.59'		N35°36'19"E
C504	51+77.56	511606.99	499556.67	52+21.34	762.00'	43.78'	3°17'30"	
L503	52+21.34	511641.79	499583.22	52+56.72		35.38'		N35°47'27"E
L504	52+56.72	511670.48	499603.91	52+63.10		6.39'		N35°47'27"E
C505	52+63.10	511675.66	499607.64	52+90.85	78.00'	27.75'	20°23'06"	
L505	52+90.85	511694.85	499627.50	53+00.87		10.02'		N59°51'26"E
C506	53+00.87	511699.88	499636.16	53+06.32	78.00'	5.45'	4°00'12"	
C507	53+06.32	511702.13	499641.12	53+28.47	38.00'	22.15'	33°24'12"	
C508	53+28.47	511704.32	499662.85	53+51.94	58.00'	23.46'	23°10'44"	
C509	53+51.94	511695.39	499684.37	53+67.20	121.00'	15.26'	7°13'35"	
L506	53+67.20	511686.06	499696.44	53+77.28		10.08'		S47°33'22"E
L507	53+77.28	511679.25	499703.88	53+98.22		20.93'		S47°51'10"E
L508	53+98.22	511665.20	499719.40	54+73.77		75.55'		S43°14'14"E

FD RAB NE PATH ALIGNMENT								
SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA	BEARING
L509	60+00.00	511657.37	499816.62	60+62.43		62.43'		N42°56'19"W
C510	60+62.43	511703.07	499774.09	60+89.86	138.00'	27.44'	11°23'29"	
L510	60+89.86	511723.96	499756.38	60+99.68		9.82'		N32°33'25"W
C511	60+99.68	511732.24	499751.09	61+07.10	138.00'	7.42'	3°04'49"	
C512	61+07.10	511738.73	499747.50	61+41.96	38.00'	34.86'	52°33'39"	
L511	61+41.96	511772.37	499746.82	61+76.17		34.20'		N25°07'24"E
C513	61+76.17	511803.34	499761.34	61+93.65	330.00'	17.49'	3°02'11"	
L512	61+93.65	511819.36	499768.34	62+34.44		40.78'		N18°09'22"E
L513	62+34.44	511858.11	499781.05	63+14.88		80.45'		N20°51'18"E
C514	63+14.88	511933.29	499809.69	64+38.62	818.00'	123.74'	8°40'02"	
L514	64+38.62	512037.44	499876.30	64+65.96		27.34'		N43°49'03"E
L515	64+65.96	512057.16	499895.22	64+91.84		25.88'		N37°33'17"E
L516	64+91.84	512077.67	499910.99	64+98.73		6.89'		N45°56'23"E
L517	64+98.73	512082.47	499915.95	65+18.95		20.22'		N39°18'12"E

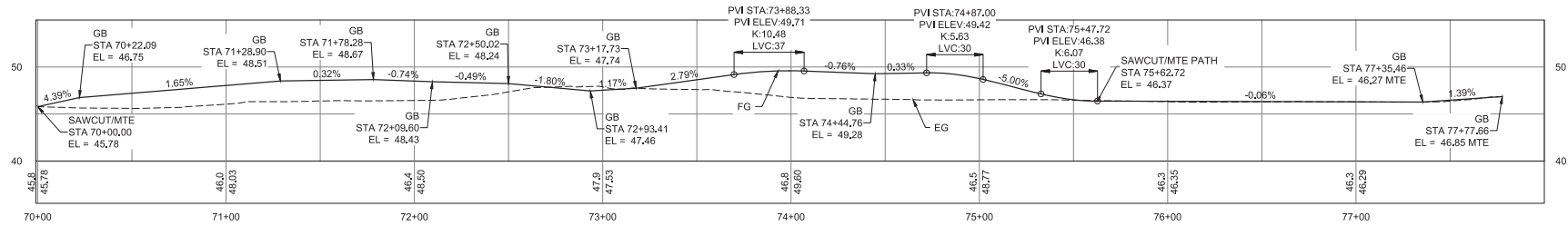
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature Date 2.15.23



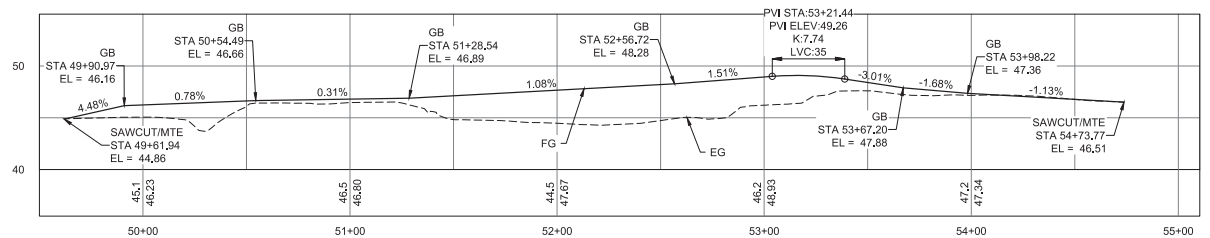
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 PATH ALIGNMENTS
 (ADD. ALT. 1)**

CERTIFICATE OF AUTH # J ALCB48
 DRAFTED WESTPAL
 CHECKED INBLE
 DESIGNED HORBS
 PHONE (907) 760-3633
 9065 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT CS1
 FILE C:\GVI\1_30_Projects\2019\2A\20776-02\GVI\1\SC-C1-GB-G-PATH-20776.dwg

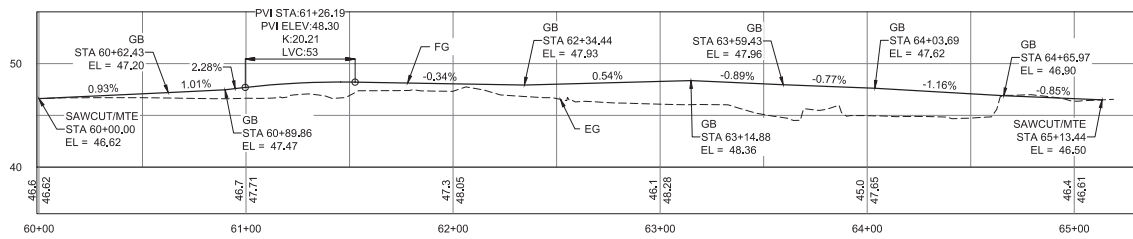
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G31	G37



FD RAB W PATH PROFILE



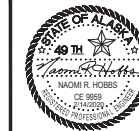
FD RAB SE PATH PROFILE



FD RAB NE PATH PROFILE

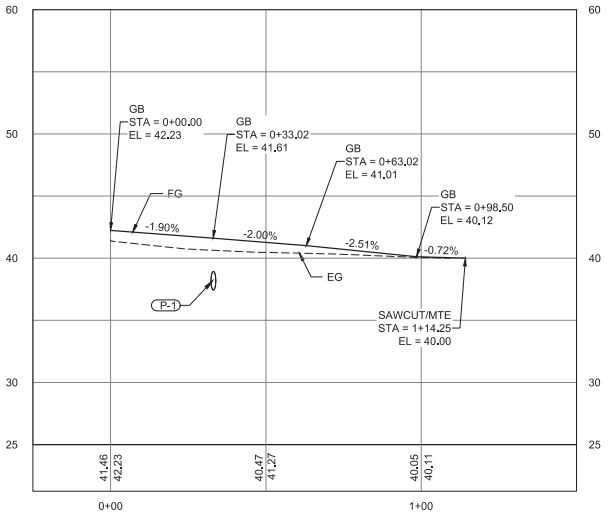
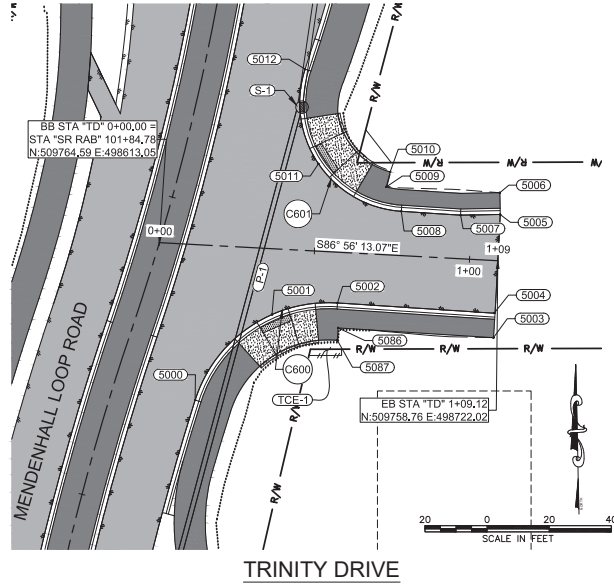
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.


 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 PATH PROFILES
 (ADD. ALT. 1)**

9085 GLACIER HIGHWAY - JUNEAU, AK 99901
 PHONE (907) 780-3533
 DESIGNED: HOBBS
 CHECKED: NOBLE
 DRAFTED: WESTPHAL
 DATE 2/13/2020
 LAYOUT G32
 CERTIFICATE OF AUTH # AEL048
 FILE C:\CIVIL\3D Proj\4113\2016\24\7076\02\CIVIL\SC-CT-GR-G-DW-7076.dwg



TRINITY DRIVE PROFILE

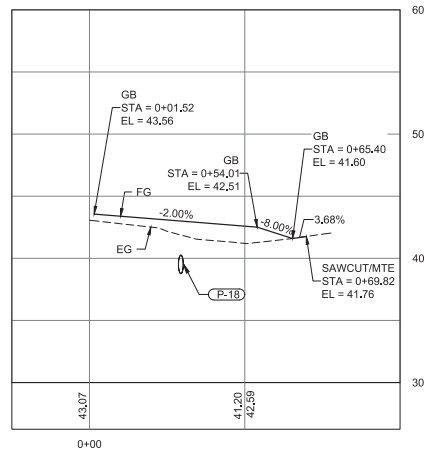
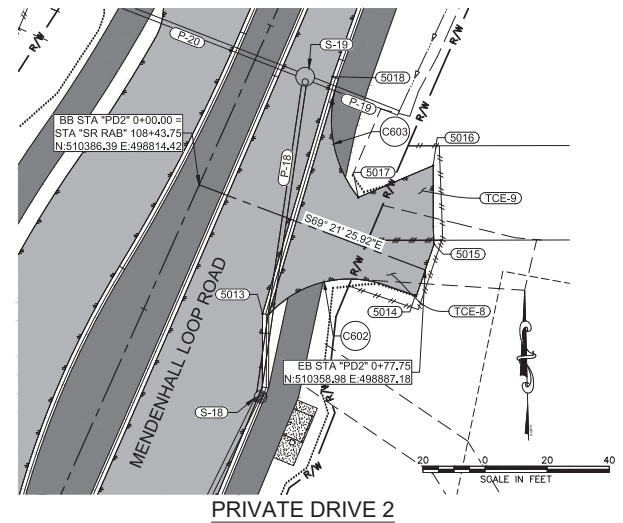
GRADING POINTS					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
5018	510421.21	498857.36	43.04'	EOP	"PD2" 0+27.91, 47.72' LT
5013	510344.90	498834.82	43.06'	EOP	"PD2" 0+33.71, 31.63' RT
5017	510382.32	498865.64	42.06'	EOP	"PD2" 0+49.37, 14.25' LT
5016	510392.58	498889.75	41.10'	EOP, MTE	"PD2" 0+68.31, 32.35' LT
5015	510367.29	498890.01	41.90'	EOP, MTE	"PD2" 0+77.47, 8.78' LT
5014	510350.80	498883.99	41.31'	EOP, MTE	"PD2" 0+77.65, 8.78' RT
5000	509713.93	498624.58	41.53'	EOP	"TD" 0+14.22, 49.97' RT
5001	509741.47	498649.34	41.06'	CR	"TD" 0+37.47, 21.15' RT
5012	509820.44	498659.97	41.74'	EOP	"TD" 0+43.87, 58.28' LT
5011	509789.97	498664.27	41.23'	CR	"TD" 0+49.79, 28.08' LT
5002	509745.18	498670.39	40.67'	EOP	"TD" 0+58.29, 16.32' RT
5087	509733.16	498670.33	41.33'	PTH	"TD" 0+58.88, 28.32' RT
5086	509737.15	498670.59	41.25'	PTH	"TD" 0+58.93, 24.32' RT
5009	509782.52	498686.09	41.08'	PTH	"TD" 0+71.98, 21.81' LT
5010	509787.36	498687.37	41.18'	PTH	"TD" 0+73.00, 26.71' LT
5008	509774.67	498690.97	40.24'	EOP, MTE	"TD" 0+77.27, 14.23' LT
5007	509773.42	498710.04	40.12'	EOP, MTE	"TD" 0+96.38, 14.01' LT
5006	509780.65	498722.67	40.64'	PTH, MTE	"TD" 1+08.60, 21.90' LT
5004	509741.90	498720.83	39.73'	EOP, MTE	"TD" 1+08.84, 16.89' RT
5003	509734.01	498720.62	40.35'	PTH, MTE	"TD" 1+09.05, 24.78' RT
5005	509773.65	498722.79	40.07'	EOP, MTE	"TD" 1+09.10, 14.91' LT

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING & DISTANCE
C600	59.75	45.00'	76.08°	S55° 41' 43"W, 55.46
C601	63.72	35.00'	104.31°	S34° 06' 33"E, 55.28
C602	42.00	35.00'	68.76°	S76° 38' 15"W, 39.53
C603	38.28	40.00'	54.83°	S10° 57' 20"E, 36.84

ABBREVIATIONS:
 EOP: EDGE OF PAVEMENT
 CR: CURB RAMP
 MTE: MATCH TO EXISTING
 PTH: PATH

NOTE:
 PATHWAY CROSS SLOPES TRANSITION FROM 1.5% TO 2.0% WITHIN APPROACH LANDINGS. BEGIN AND END TRANSITIONS AT LEAST 5' OUTSIDE OF APPROACH LIMITS.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G32	G37



PRIVATE DRIVE 2 PROFILE

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

Jim Bergman 2.15.23
 Signature Date



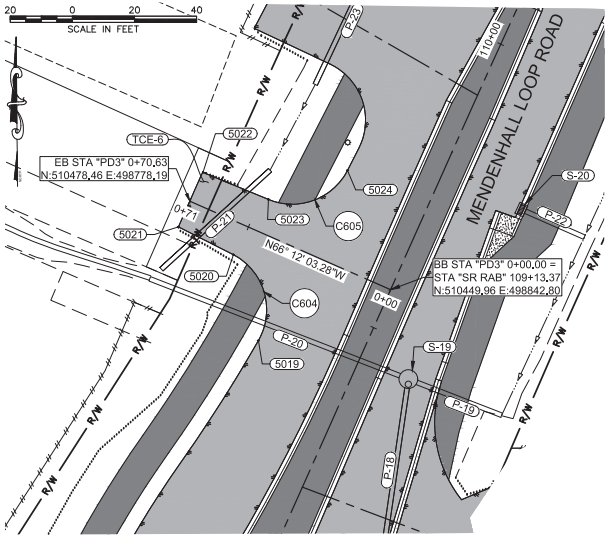
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS

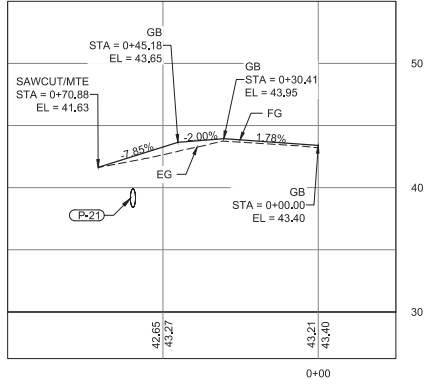
STEPHEN RICHARDS ROUNDABOUT
 APPROACH GRADING

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 780-3533
 DESIGNED: HOBBS
 LAYOUT: G33
 DATE: 2/13/2020
 FILE: C:\Civ\11_30_Proj\1130\16\24\N\0776-02\Civil\1130-CT-GR-G-DW-70776.dwg

CERTIFICATE OF AUTH # AEL048
 DRAFTED: WESTPHAL
 CHECKED: NOBLE



PRIVATE DRIVE 3



PRIVATE DRIVE 3
 PROFILE

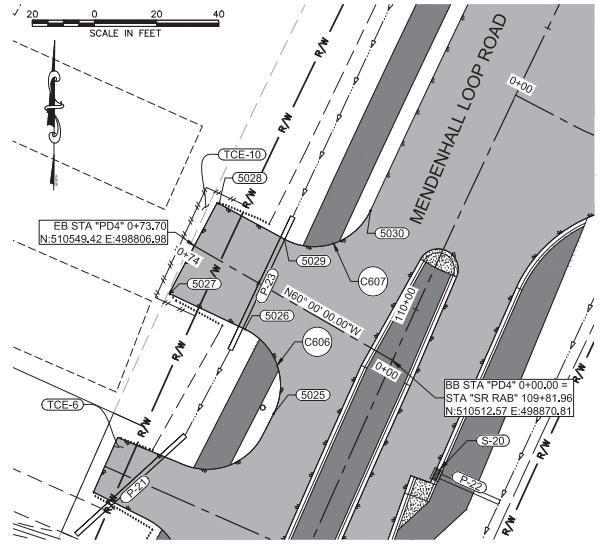
GRADING POINTS					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
5024	510488.37	498828.95	43.91'	EOP	"PD3" 0+28.18, 29.56' RT
5019	510433.59	498800.28	43.61'	EOP	"PD3" 0+32.30, 32.14' LT
5023	510479.01	498803.50	43.42'	EOP	"PD3" 0+47.68, 10.72' RT
5020	510461.23	498792.23	43.16'	EOP	"PD3" 0+50.82, 10.10' LT
5022	510487.74	498782.42	41.76'	EOP, MTE	"PD3" 0+70.50, 10.20' RT
5021	510470.18	498774.53	41.33'	EOP, MTE	"PD3" 0+70.63, 9.05' LT
5025	510495.41	498832.56	43.95'	EOP	"PD4" 0+24.55, 33.99' LT
5030	510560.78	498863.71	0.00'	EOP	"PD4" 0+30.25, 38.20' RT
5026	510522.62	498823.30	43.28'	EOP	"PD4" 0+46.17, 15.06' LT
5029	510551.59	498836.03	43.06'	EOP	"PD4" 0+49.63, 16.40' RT
5027	510534.05	498799.10	40.86'	EOP, MTE	"PD4" 0+72.84, 17.26' LT
5028	510562.94	498814.98	40.85'	EOP, MTE	"PD4" 0+73.53, 15.71' RT

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING & DISTANCE
C604	32.46	20.00'	92.98°	N16° 41' 18"W, 29.01
C605	29.80	20.00'	85.36°	N69° 48' 22"E, 27.12
C606	32.06	20.00'	91.85°	N18° 47' 48"W, 28.74
C607	32.69	20.00'	93.64°	N71° 38' 22"E, 29.17

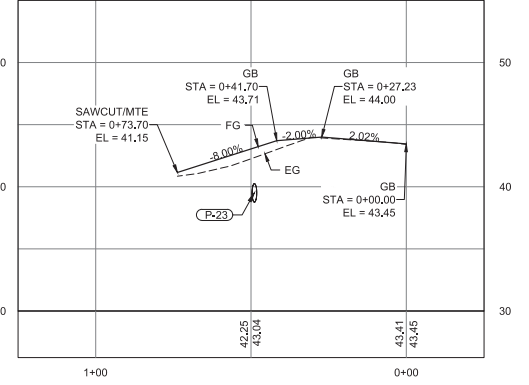
ABBREVIATIONS:
 EOP: EDGE OF PAVEMENT
 MTE: MATCH TO EXISTING

NOTE:
 PATHWAY CROSS SLOPES TRANSITION FROM 1.5% TO 2.0% WITHIN APPROACH LANDINGS. BEGIN AND END TRANSITIONS AT LEAST 5' OUTSIDE OF APPROACH LIMITS.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G33	G37



PRIVATE DRIVE 4



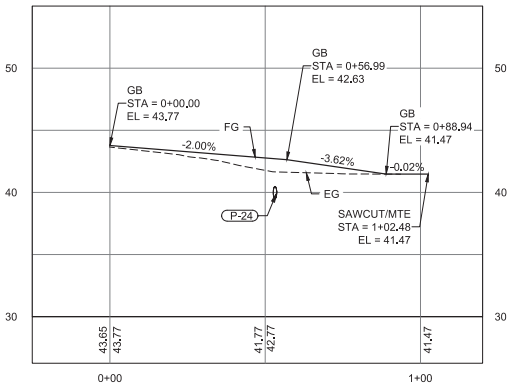
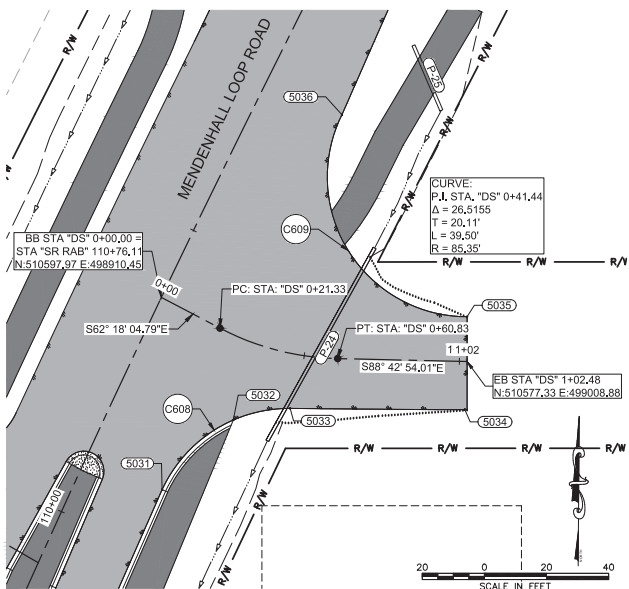
PRIVATE DRIVE 4
 PROFILE

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergman 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 STEPHEN RICHARDS ROUNDABOUT
 APPROACH GRADING

FILE: C:\CIVIL\3D PROJECTS\32016\24\10776\02\CIVIL\SC-CT-GR-C-DW-70776.dwg
 DATE: 2/13/2020
 LAYOUT: USA
 DESIGNED: HOBBS
 CHECKED: NOBLE
 DRAFTED: WESTPHAL
 CERTIFICATE OF AUTH # 1AEC1848
 PHONE: (907) 780-3533
 9088 GLACIER HIGHWAY, JUNEAU, AK 99801



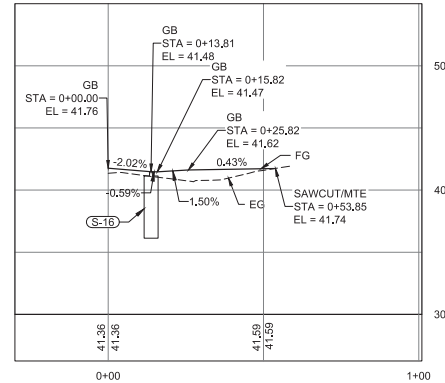
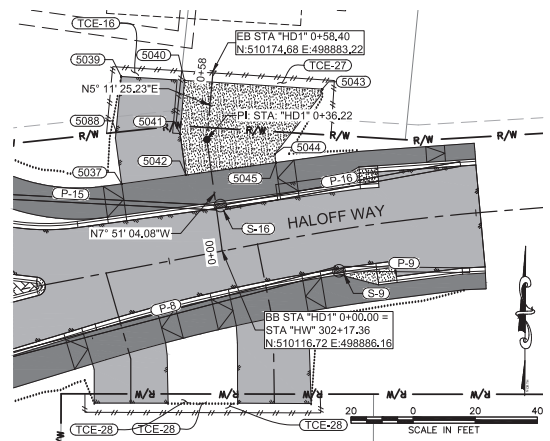
GRADING POINTS					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
5031	510536.09	498910.69	43.20'	EOP	"DS" 0+26.01, 54.88' RT
5032	510558.50	498933.62	42.85'	EOP, PTH	"DS" 0+34.89, 25.56' RT
5033	510562.22	498951.93	42.59'	EOP	"DS" 0+48.37, 17.46' RT
5036	510656.80	498968.58	43.94'	EOP	"DS" 0+56.65, 78.53' LT
5034	510561.88	499008.13	41.16'	EOP, MTE	"DS" 1+02.08, 15.47' RT
5035	510591.74	499008.89	41.16'	EOP, MTE	"DS" 1+02.17, 14.41' LT
5045	510145.18	498903.50	41.95'	EOC, CC	"HD1" 0+25.82, 21.06' RT
5037	510138.33	498853.80	42.37'	EOP, CC	"HD1" 0+25.82, 29.11' LT
5042	510141.24	498874.42	42.20'	EOC, CC	"HD1" 0+25.90, 8.28' LT
5044	510147.87	498903.13	41.09'	EOC	"HD1" 0+28.54, 21.06' RT
5088	510155.25	498851.99	41.18'	EOP	"HD1" 0+36.22, 29.35' LT
5041	510154.53	498872.59	40.88'	EOC	"HD1" 0+37.36, 8.77' LT
5039	510172.89	498853.64	42.02'	EOP, MTE	"HD1" 0+53.94, 29.30' LT
5040	510171.61	498874.03	41.82'	EOC, MTE	"HD1" 0+54.51, 8.88' LT
5043	510168.83	498918.38	41.77'	EOC, MTE	"HD1" 0+55.75, 35.54' RT

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING & DISTANCE
C608	51.61	45.00'	65.71°	S57° 38' 33"W, 48.83
C609	91.50	45.00'	116.50°	S31° 47' 03"E, 76.53

ABBREVIATIONS:
 EOP: EDGE OF PAVEMENT
 EOC: EDGE OF CONCRETE
 CC: CURB CUT

NOTE:
 PATHWAY CROSS SLOPES TRANSITION FROM 1.5% TO 2.0% WITHIN APPROACH LANDINGS. BEGIN AND END TRANSITIONS AT LEAST 5' OUTSIDE OF APPROACH LIMITS.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G34	G37

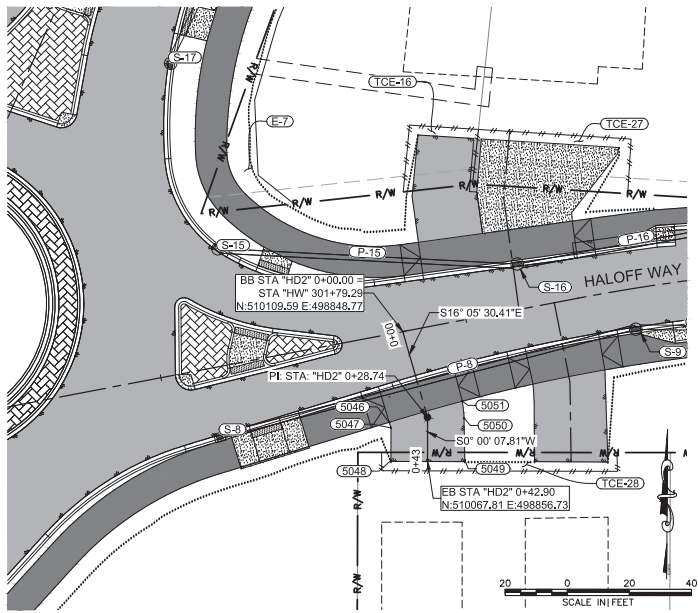


Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergman 2.15.23
 Signature Date

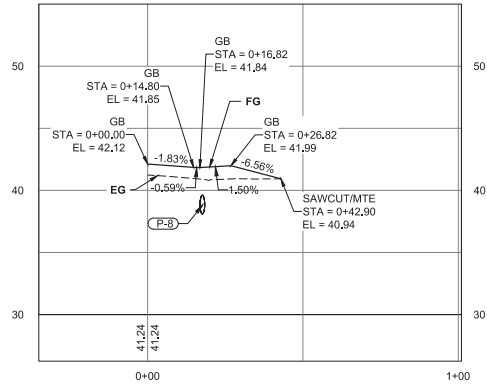


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 APPROACH GRADING

FILE: C:\A1\11_30_Projects\132016\2A\10776\02\A1\11\SC-CT-GR-0-DW-70776.dwg
 DATE: 2/13/2020
 LAYOUT: G35
 DESIGNED: HOBBS
 CHECKED: NOBLE
 DRAFTED: WESTPHAL
 PHONE: (907) 780-3533
 CERTIFICATE OF AUTH # 1AEL048
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801



HALOFF DRIVEWAY 2



**HALOFF DRIVEWAY 2
PROFILE**

GRADING POINTS					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
5046	510080.41	498844.39	42.62'	EOP, CC	"HD2" 0+26.82, 12.29' RT
5051	510087.18	498867.92	42.38'	EOP, CC	"HD2" 0+26.84, 12.19' LT
5050	510081.71	498868.51	40.91'	EOP	"HD2" 0+29.00, 11.78' LT
5047	510078.60	498844.97	42.18'	EOP	"HD2" 0+32.12, 11.76' RT
5049	510068.25	498868.76	40.99'	EOP, MTE	"HD2" 0+42.47, 12.03' RT
5048	510068.12	498844.99	40.93'	EOP, MTE	"HD2" 0+42.60, 11.74' LT
5056	510097.27	498913.84	41.93'	EOP, CC	"HD3" 0+24.37, 11.80' LT
5052	510092.69	498890.68	42.15'	EOP, CC	"HD3" 0+24.37, 11.80' RT
5053	510087.04	498891.06	40.98'	EOP	"HD3" 0+32.17, 11.60' RT
5055	510068.18	498914.77	40.88'	EOP, MTE	"HD3" 0+51.38, 11.82' LT
5054	510067.75	498891.12	40.92'	EOP, MTE	"HD3" 0+51.46, 11.84' RT

ABBREVIATIONS:
 EOP: EDGE OF PAVEMENT
 MTE: MATCH TO EXISTING
 CC: CURB CUT

NOTE:
 PATHWAY CROSS SLOPES TRANSITION FROM 1.5% TO 2.0% WITHIN APPROACH LANDINGS. BEGIN AND END TRANSITIONS AT LEAST 5' OUTSIDE OF APPROACH LIMITS.

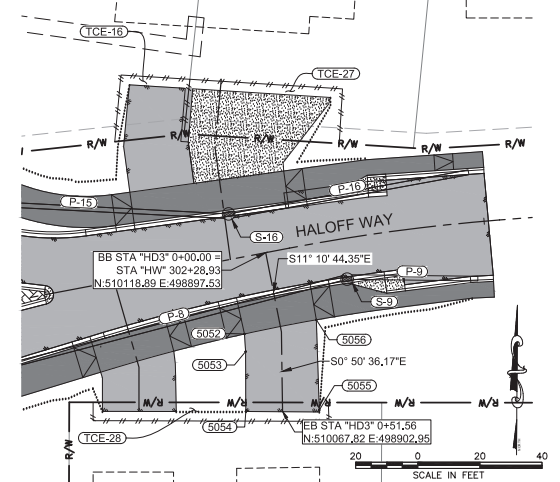
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Jim Bergman 2.15.23
 Signature Date

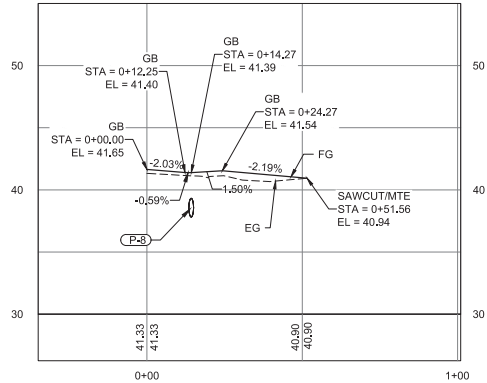


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 APPROACH GRADING

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G35	G37

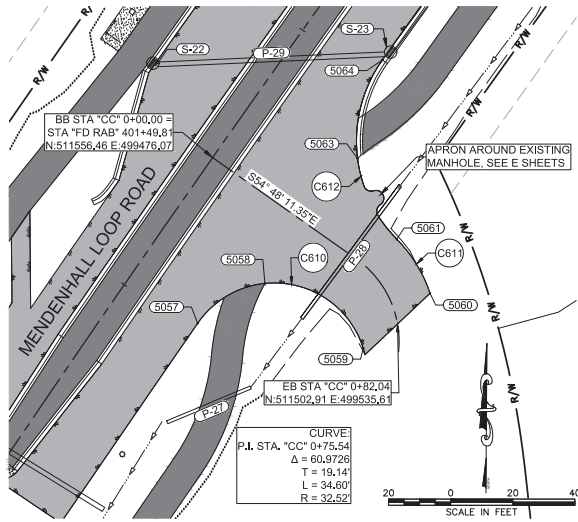


HALOFF DRIVEWAY 3

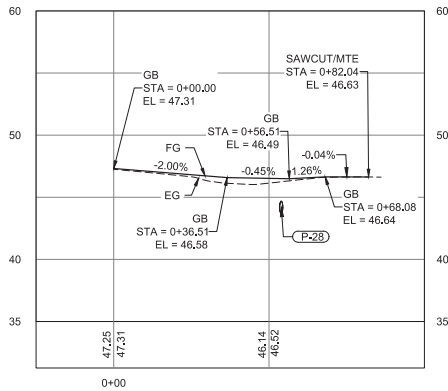


**HALOFF DRIVEWAY 3
PROFILE**

FILE | C:\CIVIL\130\PROJECTS\13016124\10776-CR-CIVIL\130-CR-CIVIL-10776.dwg | DATE | 2/13/2020 | LAYOUT | G36 | DESIGNED | HOBBS | CHECKED | NOBLE | DRAFTED | WESTPHAL
 9086 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE | (907) 780-3533 | CERTIFICATE OF AUTH # | AEC01848



CHANCCIE COURT



CHANCCIE COURT PROFILE

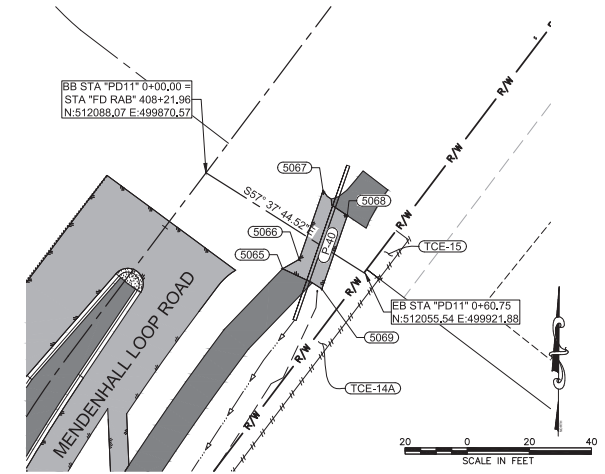
GRADING POINTS					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
5064	511587.92	499530.72	46.95'	EOP	"CC" 0+26.53, 57.20' LT
5057	511503.16	499471.28	46.64'	EOP	"CC" 0+26.81, 46.32' RT
5058	511515.96	499492.90	46.53'	EOP, PTH	"CC" 0+37.11, 23.40' RT
5063	511556.20	499522.73	46.05'	EOP, PTH	"CC" 0+38.28, 26.68' LT
5061	511530.17	499535.38	46.33'	EOP	"CC" 0+61.61, 13.24' LT
5060	511512.79	499546.06	46.38'	EOP, MTE	"CC" 0+76.31, 12.71' LT
5059	511495.13	499524.57	46.31'	EOP, MTE	"CC" 0+91.00, 11.42' RT
5067	512082.25	499908.24	46.97'	EOP, MTE	"PD11" 0+34.93, 15.26' LT
5065	512057.16	499895.22	46.90'	EOP, MTE	"PD11" 0+37.37, 12.90' RT
5066	512060.17	499900.58	46.90'	EOP, MTE	"PD11" 0+40.27, 7.50' RT
5068	512074.27	499916.06	46.61'	EOP, MTE	"PD11" 0+45.80, 12.70' LT
5069	512050.64	499907.84	46.76'	EOP, MTE	"PD11" 0+51.52, 11.65' RT

CURVE TABLE - "TD" ALIGNMENT				
CURVE No.	LENGTH	RADIUS	DELTA	CHORD BEARING & DISTANCE
C610	69.14	30.00	132.05	N79° 20' 25"W, 54.82
C611	20.58	45.00	26.20	N31° 34' 33"W, 20.40
C612	42.57	45.00	54.21	S8° 21' 22"W, 41.00

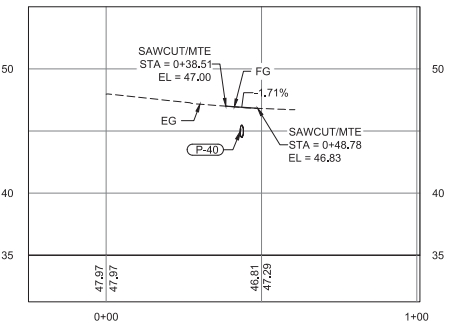
ABBREVIATIONS:
 EOP: EDGE OF PAVEMENT
 MTE: MATCH TO EXISTING
 PTH: PATHWAY

NOTE:
 PATHWAY CROSS SLOPES TRANSITION FROM 1.5% TO 2.0% WITHIN APPROACH LANDINGS. BEGIN AND END TRANSITIONS AT LEAST 5' OUTSIDE OF APPROACH LIMITS.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G36	G37



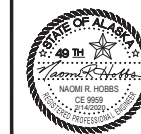
PRIVATE DRIVE 11



PRIVATE DRIVE 11 PROFILE

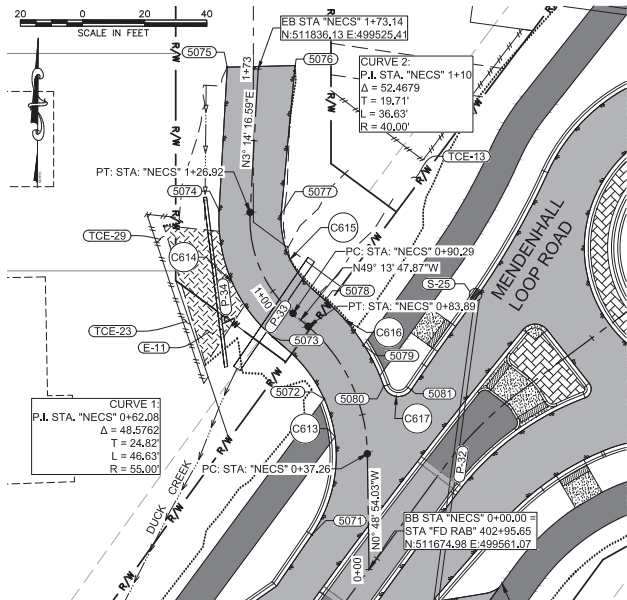
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Signature: *Jim Bergen* Date: 2.15.23

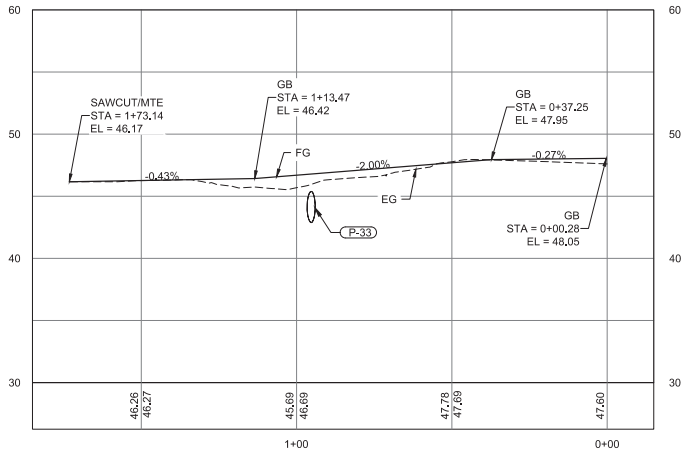


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS FLOYD DRYDEN ROUNDABOUT APPROACH GRADING (ADD. ALT. 1)

CERTIFICATE OF AUTH. # | ALCB48
 DRAWN | WESTHAL
 CHECKED | INGLE
 DESIGNED | HOBBS
 LAYOUT | CS7
 DATE | 2/13/2020
 PROJECT | 30965 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE | (907) 760-3533
 FILE | C:\CV\11_30_Projects\2019\2A\20776-02\CV11\SC-CI-GR-C-0M-70776.dwg



N. EL CAMINO STREET



N. EL CAMINO STREET
PROFILE

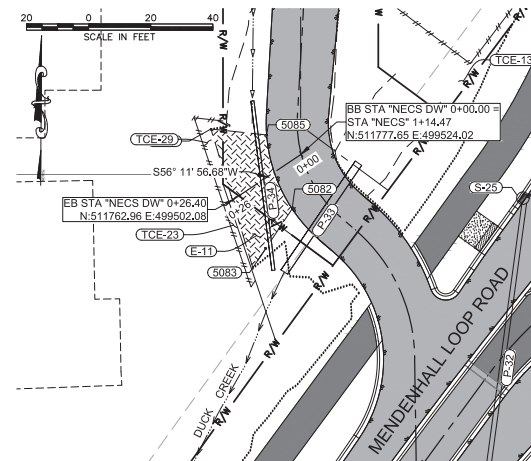
GRADING POINTS					
POINT #	NORTHING	EASTING	ELEVATION	DESCR.	STATION/OFFSET
5085	511783.86	499512.88	46.18'	EOP	"NECS DW" 0+05.80, 11.36' RT
5082	511760.06	499521.09	46.45'	EOP	"NECS DW" 0+12.23, 12.99' LT
5084	511785.75	499494.96	45.20'	EOG, MTE	"NECS DW" 0+19.64, 22.90' RT
5083	511747.27	499512.59	44.73'	EOG, MTE	"NECS DW" 0+26.40, 18.88' LT
5071	511686.15	499542.65	47.58'	EOP	"NECS" 0+11.43, 18.25' LT
5081	511732.84	499574.68	48.32'	EOP	"NECS" 0+53.03, 17.33' RT
5080	511734.02	499565.84	47.85'	EOP	"NECS" 0+56.21, 9.33' RT
5072	511729.92	499546.65	47.31'	EOP, PTH	"NECS" 0+59.69, 10.00' LT
5079	511747.14	499559.28	47.53'	EOP, PTH	"NECS" 0+68.76, 9.43' RT
5078	511761.72	499546.96	46.93'	EOP	"NECS" 0+85.25, 10.00' RT
5073	511749.86	499530.08	46.70'	EOP	"NECS" 0+90.29, 10.00' LT
5074	511790.55	499512.81	46.16'	EOP	"NECS" 1+26.92, 10.00' LT
5077	511789.42	499532.78	46.18'	EOP	"NECS" 1+26.92, 10.00' RT
5076	511835.47	499537.08	45.75'	EOP, MTE	"NECS" 1+73.13, 11.70' RT
5075	511836.70	499515.42	45.81'	EOP, MTE	"NECS" 1+73.14, 10.00' LT

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING & DISTANCE
C613	65.72	45.00'	83.67°	N7° 23' 37"W, 60.03
C614	45.79	50.00'	52.47°	N22° 59' 46"W, 44.20
C615	27.47	30.00'	52.47°	S22° 59' 46"E, 26.52
C616	33.91	65.00'	29.89°	S34° 16' 43"E, 33.53
C617	11.02	5.00'	126.22°	S82° 26' 44"E, 8.92

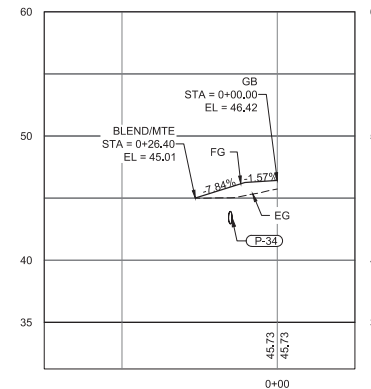
ABBREVIATIONS:
 EOP: EDGE OF PAVEMENT
 MTE: MATCH TO EXISTING
 PTH: PATHWAY
 EOG: EDGE OF GRAVEL

NOTE:
 PATHWAY CROSS SLOPES TRANSITION FROM 1.5% TO 2.0% WITHIN APPROACH LANDINGS. BEGIN AND END TRANSITIONS AT LEAST 5' OUTSIDE OF APPROACH LIMITS.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	G37	G37



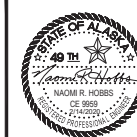
N. EL CAMINO DRIVEWAY



N. EL CAMINO DRIVEWAY

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

 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 APPROACH GRADING
 (ADD. ALT. 1)**

FIRM: KITTLESON AND ASSOCIATES, INC.
 ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501
 PHONE: (907) 646-2995
 CERTIFICATE OF AUTH. #: 17243
 FILE: H:\2023\2336 - Henderson Hall Loop Rd Final Design\design_C096982_H_SIGNSTRIP.dwg
 DATE: 02/14/2020
 LAYOUT: 1H
 DESIGNED: NGUYEN
 CHECKED: NGUYEN
 DRAFTED: NGUYEN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H1	H29

LEGEND

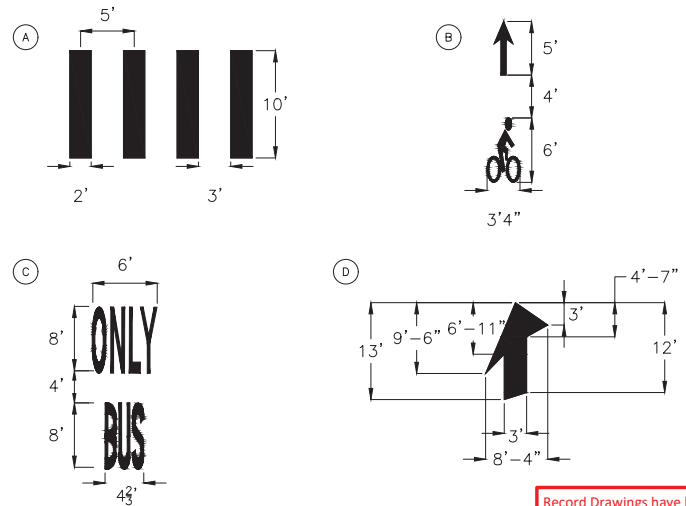
LEGEND APPLIES TO "H" SHEETS ONLY.

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		
JUNCTION BOX, TYPE II		
JUNCTION BOX, TYPE III		
SIGNAL FACE, VEHICULAR		
SIGNAL FACE, BACKPLATE		
SIGNAL FACE, LEFT TURN, BACKPLATE		
SIGNAL FACE, PEDESTRIAN		
LOOP DETECTOR		
VIDEO DETECTOR		
RADAR DETECTOR		
OPTICOM DETECTOR		
PEDESTRIAN PUSH BUTTON		
SIGNAL POST W/O MAST ARM		
SIGNAL POLE W/MAST ARM		
SIGNAL CONTROLLER		
LOAD CENTER		
LUMINAIRE		
FLASHING BEACON		
RIGID METAL CONDUIT		
SIGN		

ABBREVIATIONS

AAWF	ACTIVE ADVANCE WARNING FLASHER
AFB	ACTUATED FLASHING BEACON
AH	AHEAD
AVE	AVENUE
BMP	BEST MANAGEMENT PRACTICE
C/A	CONTROL ACCESS
CF	CUBIC FOOT
CGP	CONSTRUCTION GENERAL PERMIT
CRT	CONTROLLED RELEASE TERMINAL
E	EAST
EB	EASTBOUND
IN OR "	INCH
LBS	POUNDS
N	NORTH
NB	NORTHBOUND
NE	NORTHEAST
NO.A.A.	NOT IN CONTRACT
NW	NORTHWEST
RP	REFERENCE POINT
RRFB	RECTANGULAR RAPID FLASHING BEACON
SB	SOUTHBOUND
SE	SOUTHEAST
SMFO	SINGLE MODE FIBER OPTIC
S	SOUTH
SW	SOUTHWEST
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SF	SQUARE FOOT
SY	SQUARE YARD
USACOE	UNITED STATES ARMY CORP OF ENGINEERS
V	DESIGN SPEED
W	WEST
WB	WESTBOUND

DETAILS



SIGNING KEY

STATION
 SIGN CODE(S)
 SIGN LOCATION #

INDEX OF SHEETS

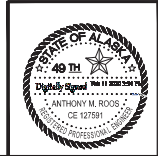
SHEET NO.	DESCRIPTION
H1	TRAFFIC LEGEND, DETAILS, AND SHEET INDEX
H2 - H11	SIGNING AND STRIPING
H12 - H16	SIGN SUMMARY
H17 - H18	SIGN DETAILS
H19	SIGN ATTACHMENT DETAILS
H20 - H21	SIGN INSTALLATION DETAILS
H22 - H29	FLASHING BEACON SHEETS

TRAFFIC MARKING SUMMARY

DESCRIPTION	QUANTITY	ADD. ALT. 1 QUANTITY	REMARKS
670(1) - PAINTED TRAFFIC MARKINGS			
RIGHT TURN ARROWS	15 SF	30 SF	
BIKE SYMBOL	74 SF	53 SF	
"ONLY" LETTERING	42 SF	42 SF	
"BUS" LETTERING	40 SF	40 SF	
670(10) - METHYL METHACRYLATE PAVEMENT MARKINGS			
4"W	61 LF	0 LF	
4"WD-1	80 LF	0 LF	
4"Y	2223 LF	1704 LF	
4"DY	1026 LF	80 LF	
8"W	4495 LF	856 LF	
8"WD-1	1084 LF	920 LF	
18"Y (STD)	312 LF	185 LF	
12"WRE	482 LF	259 LF	
CROSSWALK BARS (ZEBRA)	360 SF	660 SF	
STOP BARS	160 SF	90 SF	
THROUGH ARROWS	26 SF	0 SF	
MERGE ARROWS	172 SF	0 SF	
LEFT TURN/THROUGH ARROWS	216 SF	0 SF	
RIGHT TURN/THROUGH ARROWS	108 SF	0 SF	

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

Jim Benjamin 2.15.23
 Signature Date



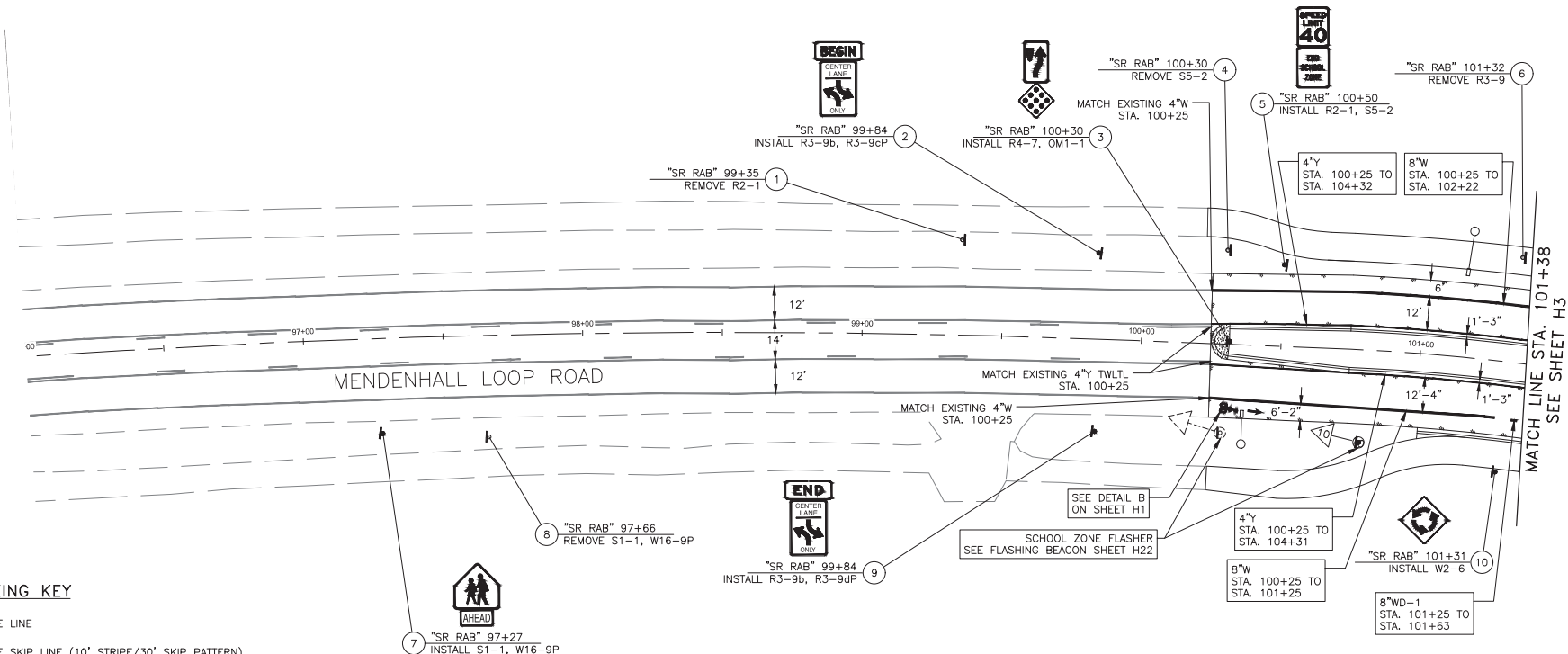
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

TRAFFIC LEGEND AND NOTES

FIRM: KUTTELSON AND ASSOCIATES, INC. ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 646-2995
 FILE: H:\2023\2336 - Mendenhall Loop Rd Final Design\design_CD\6462_H_SIGNSTRIP.dwg DATE: 02/14/2023 LAYOUT: H2 DESIGNED: NGUYEN CHECKED: NGUYEN DRAFTED: NGUYEN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H2	H29



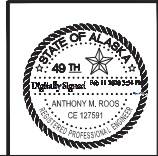
TRAFFIC MARKING KEY

- 4"W 4" WHITE LINE
- 4"WS 4" WHITE SKIP LINE (10' STRIPE/30' SKIP PATTERN)
- 4"WD-1 4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN)
- 4"WD-2 4" WHITE DOTTED LINE (3' STRIPE/9' SKIP PATTERN)
- 4"Y 4" YELLOW LINE
- 4"YS 4" YELLOW SKIP LINE (10' STRIPE/30' SKIP PATTERN)
- 4"DY 4" DOUBLE YELLOW LINE
- 4"Y TWLTL 4" YELLOW TWO-WAY LEFT-TURN LANE STANDARD
- 8"W 8" WHITE LINE
- 8"WD-1 8" WHITE WIDE DOTTED LINE (2' STRIPE/4' SKIP PATTERN)
- 8"WD-2 8" WHITE WIDE DOTTED LINE (3' STRIPE/9' SKIP PATTERN)
- 12"WD 12" WHITE WIDE DOTTED LINE (2' STRIPE/2' SKIP PATTERN)
- 12"WRE 12" WHITE ROUNDABOUT ENTRY (2' STRIPE/6' SKIP PATTERN)
- 24"W 24" WHITE LINE
- STD SEE STANDARD DRAWING

NOTE:
DIMENSIONS ARE TO CENTER OF STRIPE OR STRIPE GROUP.

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

Jim Bergman 2.15.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

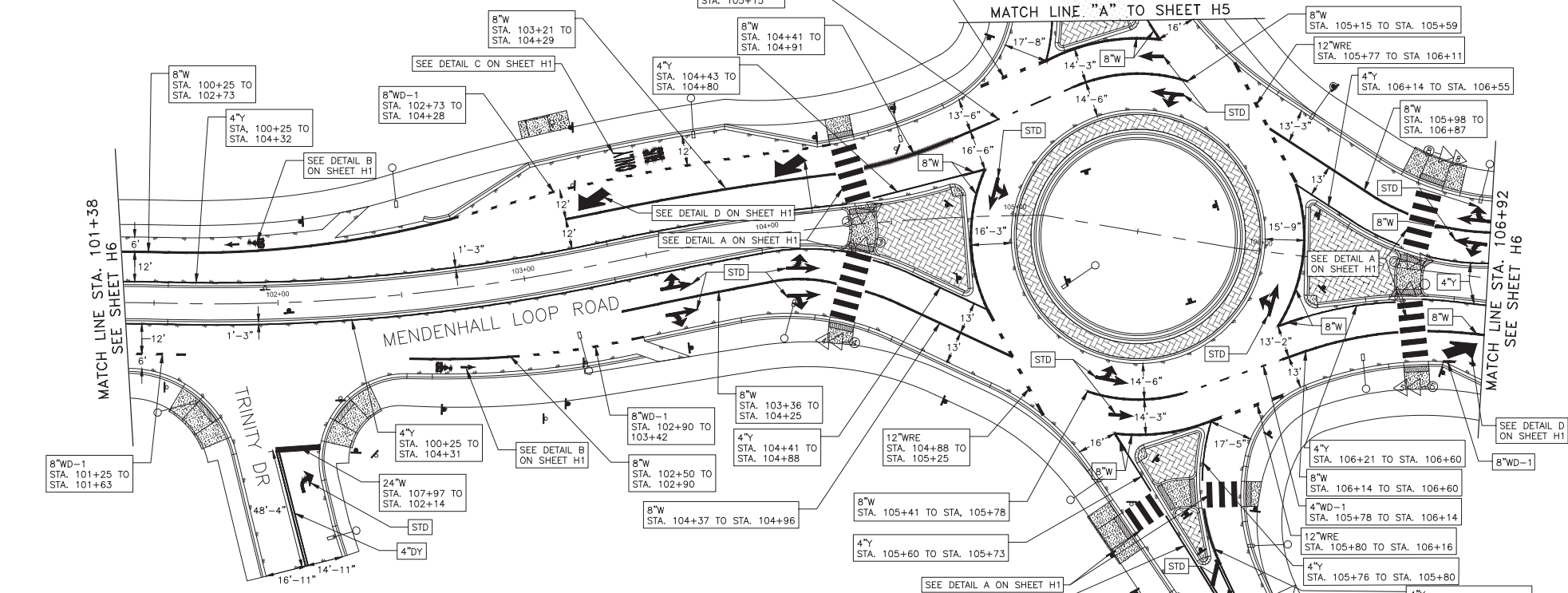
**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

**SIGNING AND STRIPING -
PLAN 1**

CERTIFICATE OF AUTHORITY # 13723
 NO. DATE REVISION STATE PROJECT DESIGNATION YEAR SHEET NO. TOTAL SHEETS
 ALASKA Z676220000 2020 H4 H29
 ADDRESS 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501
 PHONE (907) 646-7995
 DESIGNED INVOICED
 CHECKED INVOICED
 ROOS
 DATE 02/14/2020 LAYOUT TH
 FILE H:\2023\2336 - Mendenhall Loop Rd Final Design\design_CD\6462_1_SIGNSTRIP.dwg
 PRIN KUTTELSON AND ASSOCIATES, INC.
 1413232336 - Mendenhall Loop Rd Final Design\design_CD\6462_1_SIGNSTRIP.dwg

SEE SHEET H3 FOR SIGNING
 SEE SHEET H5 FOR HALOFF WAY AND STEPHEN RICHARDS MEMORIAL DRIVE STRIPING

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H4	H29



TRAFFIC MARKING KEY

- | | | | |
|-----------|---|--------|--|
| 4"W | 4" WHITE LINE | 8"WD-1 | 8" WHITE WIDE DOTTED LINE (2' STRIPE/4' SKIP PATTERN) |
| 4"WS | 4" WHITE SKIP LINE (10' STRIPE/30' SKIP PATTERN) | 8"WD-2 | 8" WHITE WIDE DOTTED LINE (3' STRIPE/9' SKIP PATTERN) |
| 4"WD-1 | 4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN) | 12"WD | 12" WHITE WIDE DOTTED LINE (2' STRIPE/2' SKIP PATTERN) |
| 4"WD-2 | 4" WHITE DOTTED LINE (3' STRIPE/9' SKIP PATTERN) | 12"WRE | 12" WHITE ROUNDABOUT ENTRY (2' STRIPE/6' SKIP PATTERN) |
| 4"Y | 4" YELLOW LINE | 24"W | 24" WHITE LINE |
| 4"YS | 4" YELLOW SKIP LINE (10' STRIPE/30' SKIP PATTERN) | STD | SEE STANDARD DRAWING |
| 4"DY | 4" DOUBLE YELLOW LINE | | |
| 4"Y TWLTL | 4" YELLOW TWO-WAY LEFT-TURN LANE STANDARD | | |
| 8"W | 8" WHITE LINE | | |
- NOTE:**
 DIMENSIONS ARE TO CENTER OF STRIPE OR STRIPE GROUP.

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

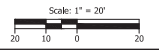
Jim Bergman 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS

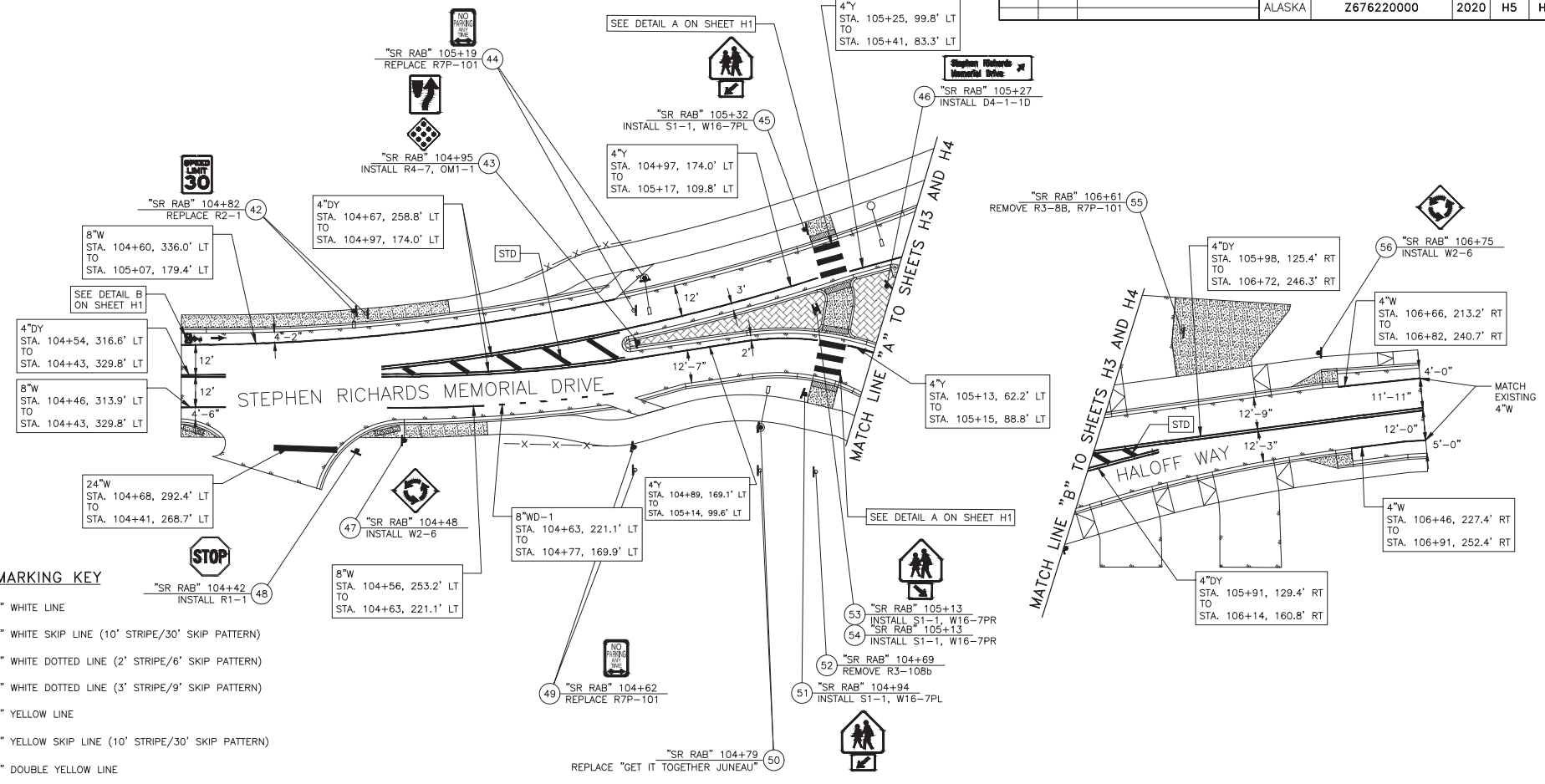
SIGNING AND STRIPING - PLAN 3



FIRM: KUTTELSON AND ASSOCIATES, INC. ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 646-7995
 FILE: H:\2023\2336 - Mendenhall Loop Rd Final Design\design_C09\6462_P1_SIGNSTRIP.dwg DATE: 02/14/2020 LAYOUT: H15
 DESIGNED: NGUYEN CHECKED: ROOS DRAFTED: NGUYEN

SEE SHEET H3 AND H4 FOR MENDENHALL LOOP ROAD SIGNING AND STRIPING

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H5	H29



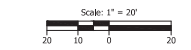
TRAFFIC MARKING KEY

- 4"W 4" WHITE LINE
- 4"WS 4" WHITE SKIP LINE (10' STRIPE/30' SKIP PATTERN)
- 4"WD-1 4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN)
- 4"WD-2 4" WHITE DOTTED LINE (3' STRIPE/9' SKIP PATTERN)
- 4"Y 4" YELLOW LINE
- 4"YS 4" YELLOW SKIP LINE (10' STRIPE/30' SKIP PATTERN)
- 4"DY 4" DOUBLE YELLOW LINE
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- 12"WD 12" WHITE WIDE DOTTED LINE (2' STRIPE/2' SKIP PATTERN)
- 12"WRE 12" WHITE ROUNDABOUT ENTRY (2' STRIPE/6' SKIP PATTERN)
- 24"W 24" WHITE LINE
- STD SEE STANDARD DRAWING

NOTE:
DIMENSIONS ARE TO CENTER OF STRIPE OR STRIPE GROUP.

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

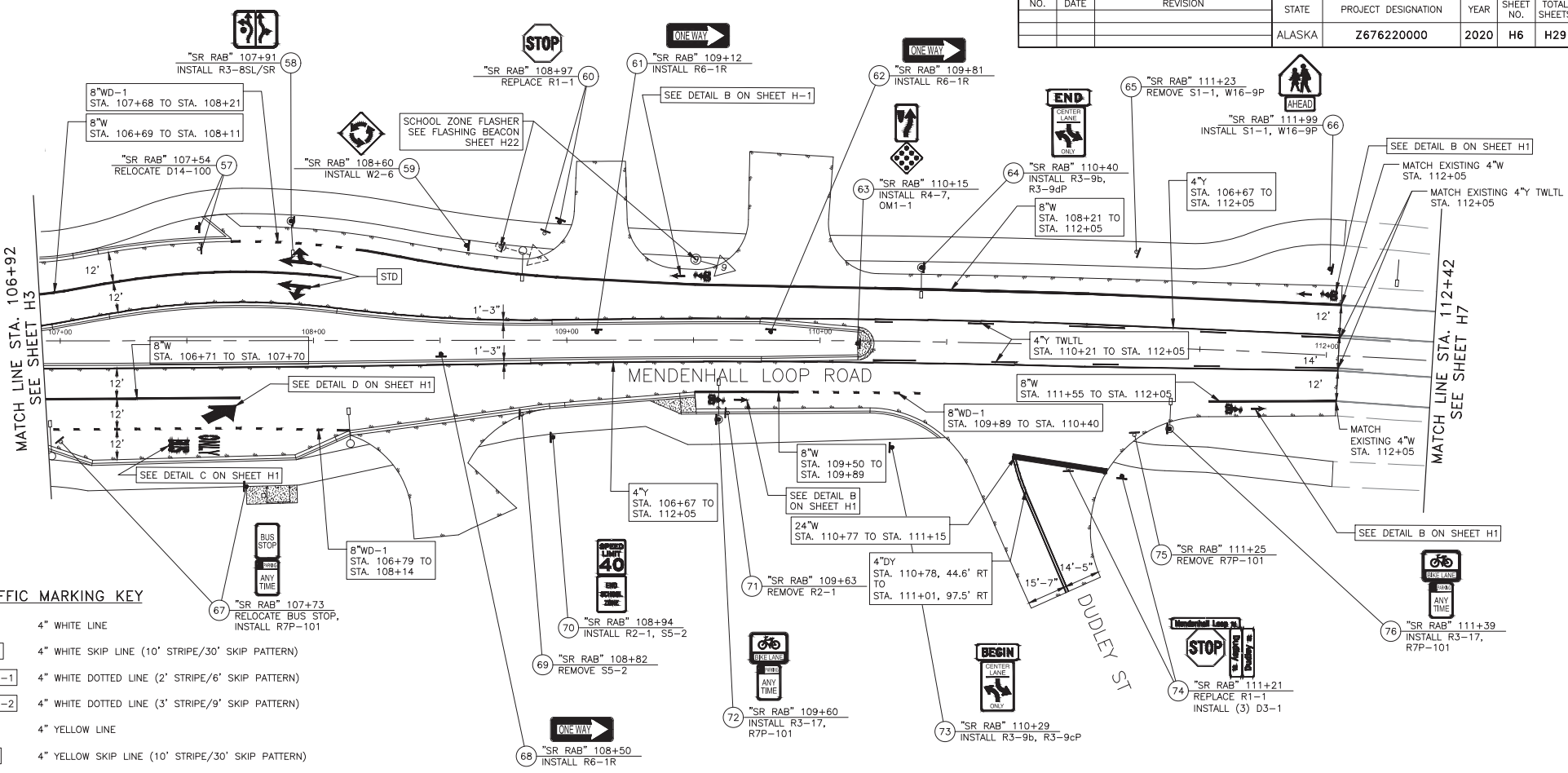
 Signature 2.15.23
Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 SIGNING AND STRIPING –
 PLAN 4

FIRM: KITTLESON AND ASSOCIATES, INC.
 ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501
 PHONE: (907) 646-7995
 CERTIFICATE OF AUTHORITY #: 17292
 DATE: 02/14/2020
 LAYOUT: H6
 DESIGNED: NGUYEN
 CHECKED: ROOS
 DRAFTED: NGUYEN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H6	H29



TRAFFIC MARKING KEY

- 4"W 4" WHITE LINE
- 4"WS 4" WHITE SKIP LINE (10' STRIPE/30' SKIP PATTERN)
- 4"WD-1 4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN)
- 4"WD-2 4" WHITE DOTTED LINE (3' STRIPE/9' SKIP PATTERN)
- 4"Y 4" YELLOW LINE
- 4"YS 4" YELLOW SKIP LINE (10' STRIPE/30' SKIP PATTERN)
- 4"DY 4" DOUBLE YELLOW LINE
- 4"Y TWLTL 4" YELLOW TWO-WAY LEFT-TURN LANE STANDARD
- 8"W 8" WHITE LINE
- 8"WD-1 8" WHITE WIDE DOTTED LINE (2' STRIPE/4' SKIP PATTERN)
- 8"WD-2 8" WHITE WIDE DOTTED LINE (3' STRIPE/9' SKIP PATTERN)
- 12"WD 12" WHITE WIDE DOTTED LINE (2' STRIPE/2' SKIP PATTERN)
- 12"WRE 12" WHITE ROUNDABOUT ENTRY (2' STRIPE/6' SKIP PATTERN)
- 24"W 24" WHITE LINE
- STD SEE STANDARD DRAWING

NOTE:
DIMENSIONS ARE TO CENTER OF STRIPE OR STRIPE GROUP.

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

Jim Bergman 2.15.23
Signature Date



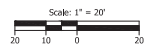
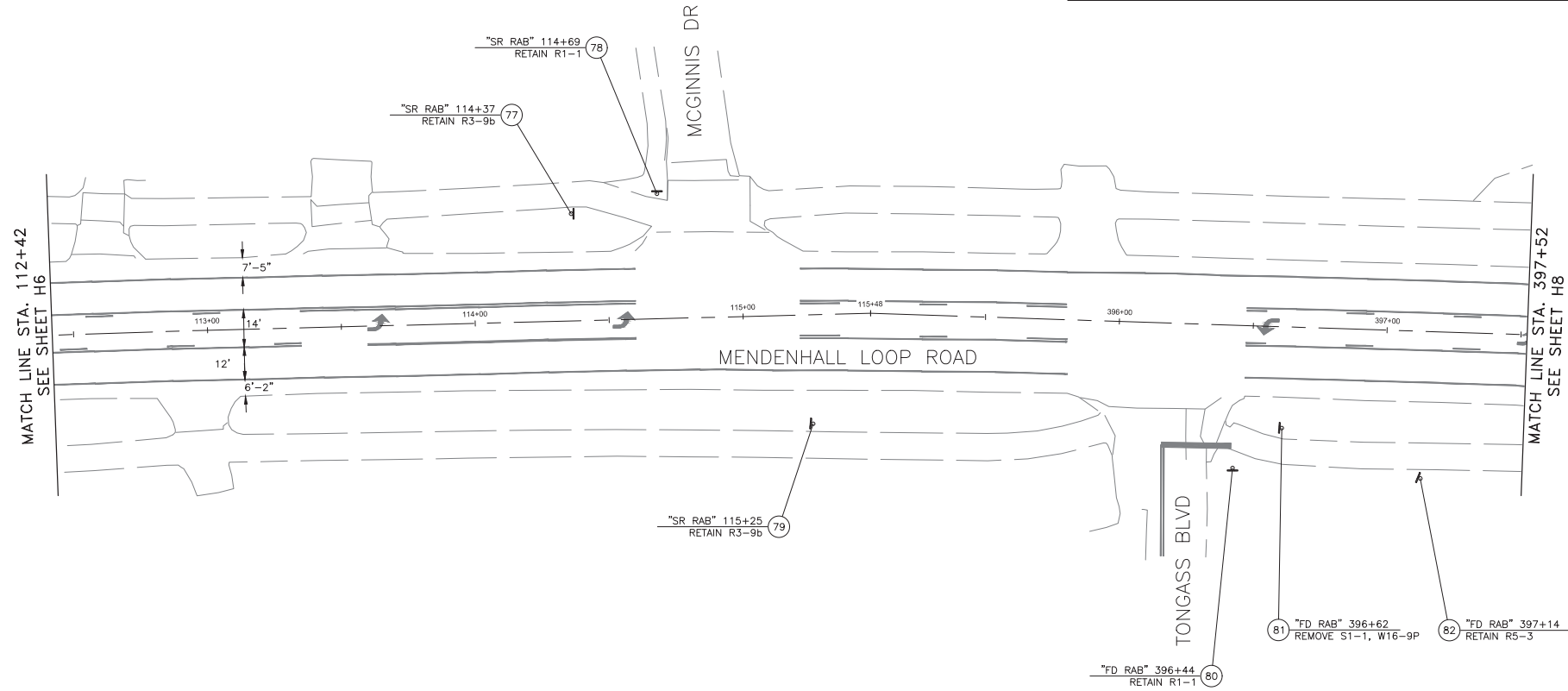
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

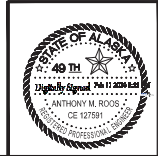
**SIGNING AND STRIPING –
PLAN 5**

FIRM: KITTLESON AND ASSOCIATES, INC.
 ADDRESS: 1000 A STREET, SUITE 105, ANCHORAGE, AK 99501
 PHONE: (907) 646-2995
 CERTIFICATE OF AUTH # 17243
 FILE: H:\2023\2336 - Mendonhall Loop Rd Final Design\design\C09\6462_11_SIGNSTRIP.dwg
 DATE: 02/14/2020
 LAYOUT: 117
 DESIGNED: NGUYEN
 CHECKED: NGUYEN
 BOOS
 DRAFTED: NGUYEN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H7	H29



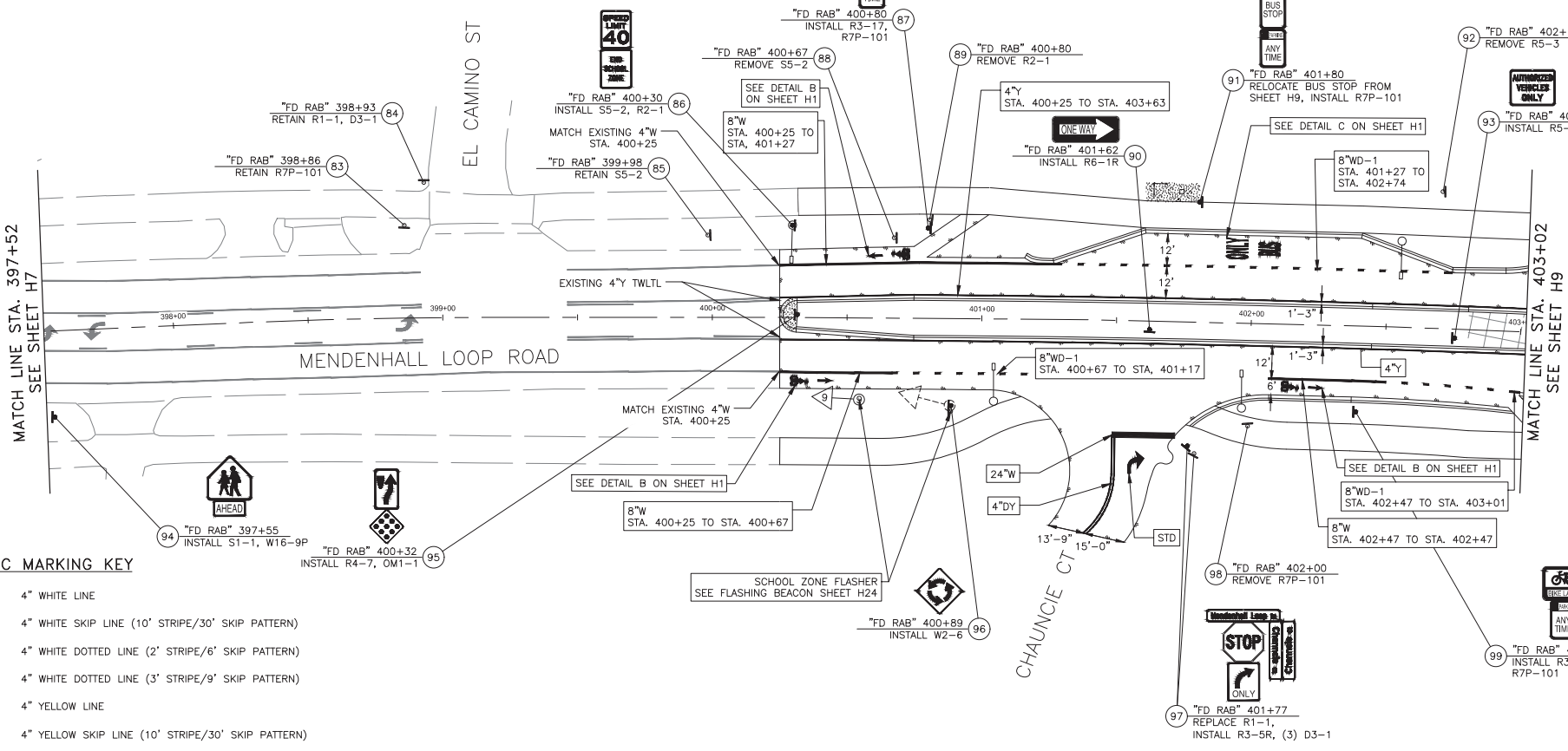
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Benjamin 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDONHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 SIGNING AND STRIPING - PLAN 6
 (ADD. ALT. 1)

FIRM: KITTLESON AND ASSOCIATES, INC.
 PROJECT: Mendenhall Loop Rd Final Design
 ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501
 PHONE: (907) 646-7995
 DATE: 02/14/2020
 LAYOUT: H8
 DESIGNED: NGUYEN
 CHECKED: NGUYEN
 ROOS
 DRAFTED: NGUYEN
 CERTIFICATE OF AUTH. #: 17243

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H8	H29



TRAFFIC MARKING KEY

4"W	4" WHITE LINE
4"WS	4" WHITE SKIP LINE (10' STRIPE/30' SKIP PATTERN)
4"WD-1	4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN)
4"WD-2	4" WHITE DOTTED LINE (3' STRIPE/9' SKIP PATTERN)
4"Y	4" YELLOW LINE
4"YS	4" YELLOW SKIP LINE (10' STRIPE/30' SKIP PATTERN)
4"DY	4" DOUBLE YELLOW LINE
4"Y TWLTL	4" YELLOW TWO-WAY LEFT-TURN LANE STANDARD
8"W	8" WHITE LINE
8"WD-1	8" WHITE WIDE DOTTED LINE (2' STRIPE/4' SKIP PATTERN)
8"WD-2	8" WHITE WIDE DOTTED LINE (3' STRIPE/9' SKIP PATTERN)
12"WD	12" WHITE WIDE DOTTED LINE (2' STRIPE/2' SKIP PATTERN)
12"WRE	12" WHITE ROUNDABOUT ENTRY (2' STRIPE/6' SKIP PATTERN)
24"W	24" WHITE LINE
STD	SEE STANDARD DRAWING

NOTE:
DIMENSIONS ARE TO CENTER OF STRIPE OR STRIPE GROUP.

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

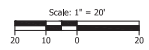
Jim Begum 2.15.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

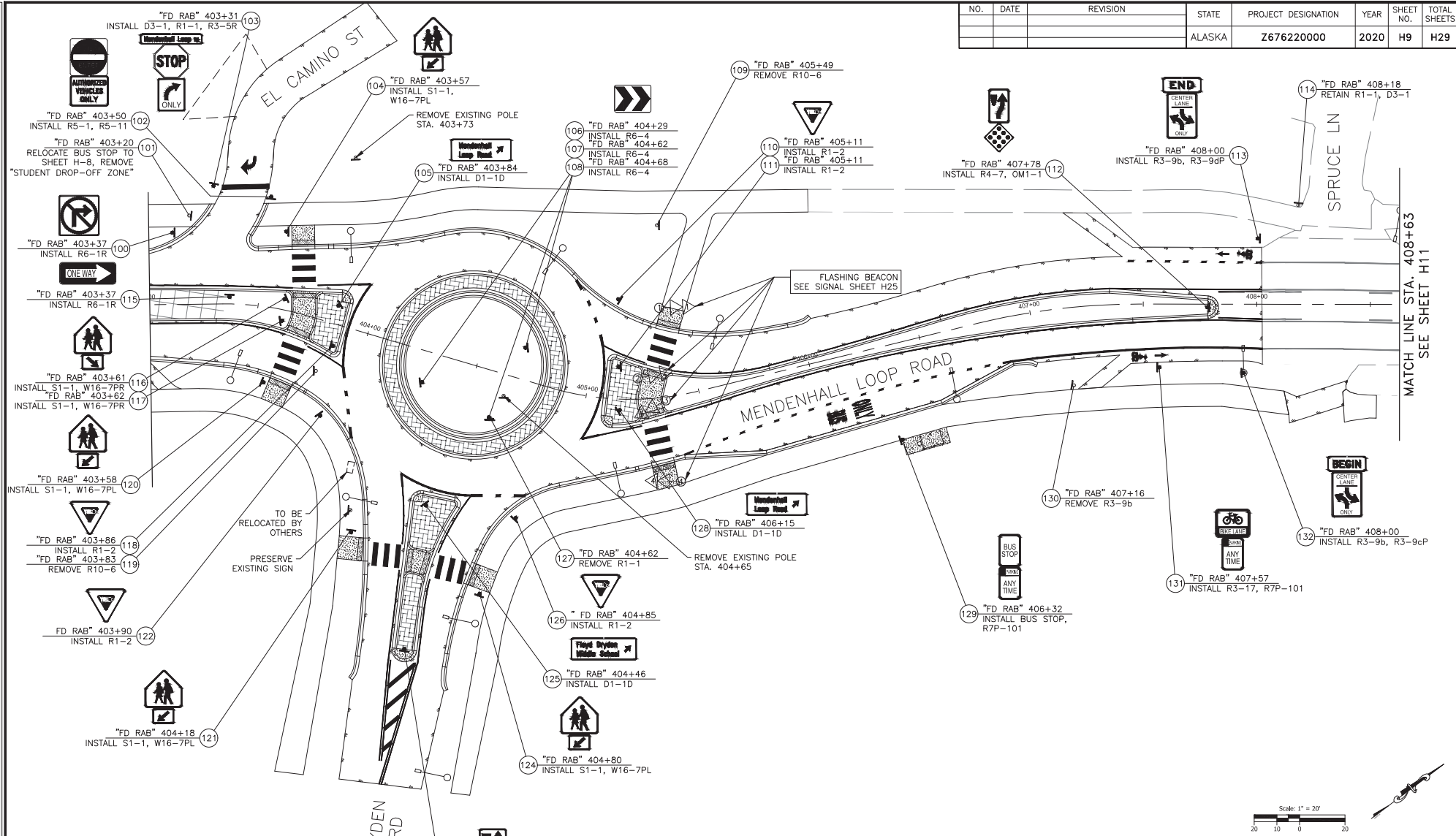
**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

**SIGNING AND STRIPING - PLAN 7
(ADD. ALT. 1)**

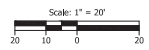


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H9	H29

FIRM: KITTLESON AND ASSOCIATES, INC.
 PROJECT: 1600 A STREET, SUITE 105, MOORHEAD, AK 99501
 ADDRESS: 1600 A STREET, SUITE 105, MOORHEAD, AK 99501
 DATE: 02/14/2020
 LAYOUT: H9
 CHECKED: ROOS
 DESIGNED: INDYEN
 DRAWN: INDYEN
 INVOICED: ROOS
 CERTIFICATE OF AUTHORITY #: 17924

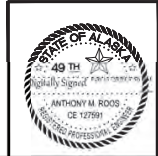


SEE SHEET H10 FOR STRIPING
 NEW BUS STOP SIGN WILL BE PROVIDED BY CAPITAL TRANSIT



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

Jim Bergan 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

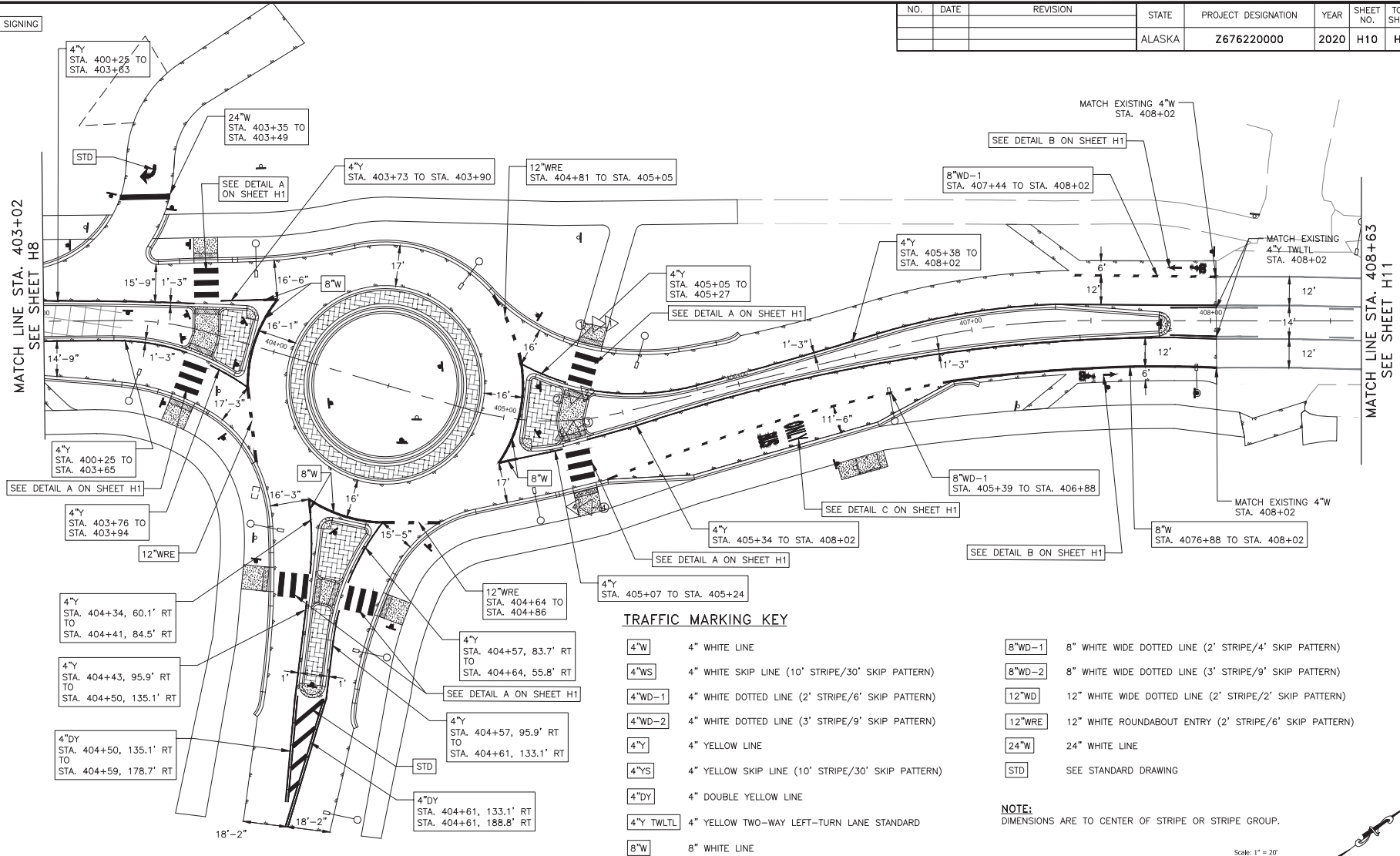
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

SIGNING AND STRIPING - PLAN 8
 (ADD. ALT. 1)

PROJECT: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501
 ADDRESS: 02/14/2020 LAYOUT H10
 PHONE: (907) 646-7995
 DESIGNED: NGUYEN
 CHECKED: NGUYEN
 ROOS
 DRAFTED: NGUYEN
 CERTIFICATE OF AUTHORITY # 13720
 FIRM: KITTLESON AND ASSOCIATES, INC.
 FILE: H:\2023\2336 - Mendenhall Loop Rd Final Design\design_C09\6492_H1_SIGNSTRIP.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H10	H29

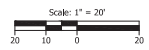
SEE SHEET H9 FOR SIGNING




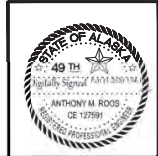
TRAFFIC MARKING KEY

- | | | | |
|----------|---|--------|--|
| 4"W | 4" WHITE LINE | 8"WD-1 | 8" WHITE WIDE DOTTED LINE (2' STRIPE/4' SKIP PATTERN) |
| 4"WS | 4" WHITE SKIP LINE (10' STRIPE/30' SKIP PATTERN) | 8"WD-2 | 8" WHITE WIDE DOTTED LINE (3' STRIPE/9' SKIP PATTERN) |
| 4"WD-1 | 4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN) | 12"WD | 12" WHITE WIDE DOTTED LINE (2' STRIPE/2' SKIP PATTERN) |
| 4"WD-2 | 4" WHITE DOTTED LINE (3' STRIPE/9' SKIP PATTERN) | 12"WRE | 12" WHITE ROUNDABOUT ENTRY (2' STRIPE/6' SKIP PATTERN) |
| 4"Y | 4" YELLOW LINE | 24"W | 24" WHITE LINE |
| 4"YS | 4" YELLOW SKIP LINE (10' STRIPE/30' SKIP PATTERN) | STD | SEE STANDARD DRAWING |
| 4"DY | 4" DOUBLE YELLOW LINE | | |
| 4"Y TWTL | 4" YELLOW TWO-WAY LEFT-TURN LANE STANDARD | | |
| 8"W | 8" WHITE LINE | | |

NOTE:
DIMENSIONS ARE TO CENTER OF STRIPE OR STRIPE GROUP.



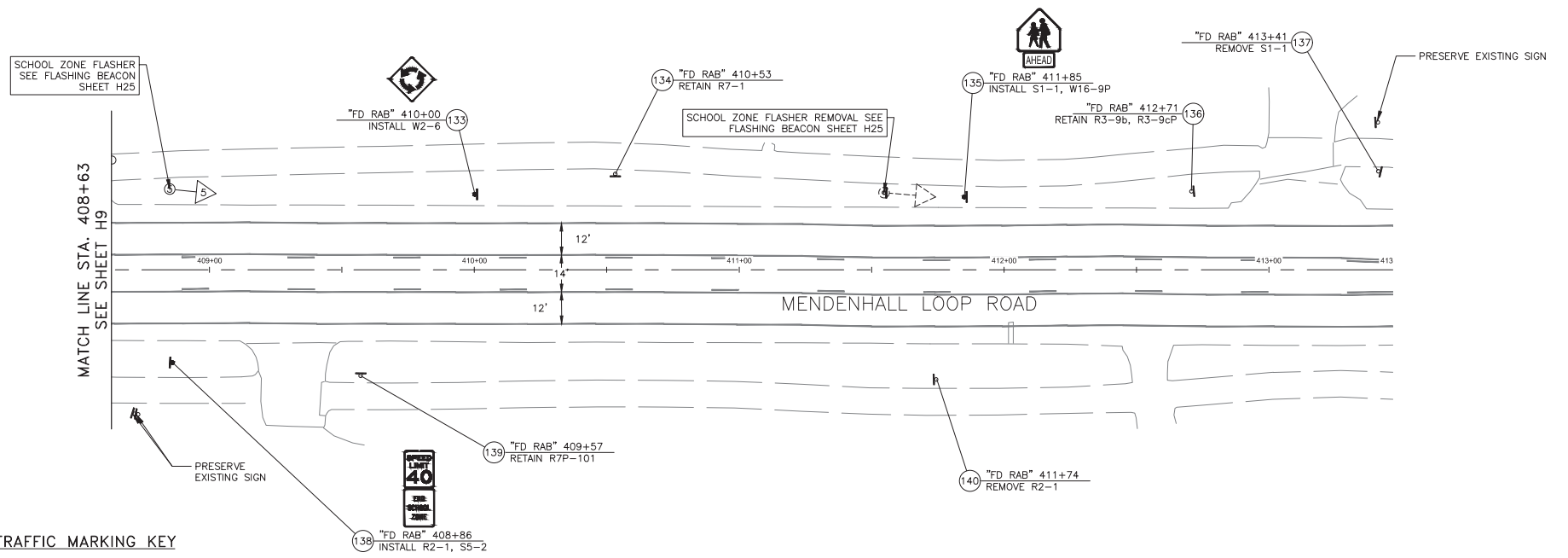
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature 2.15.23
Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 SIGNING AND STRIPING - PLAN 9
 (ADD. ALT. 1)

FIRM: KITTLESON AND ASSOCIATES, INC.
 FILE: H:\2023\2336 - Mendonhall Loop Rd Final Design\design\CD\67492_10_SIGNSTRIP.dwg
 DATE: 02/14/2020 LAYOUT: H11
 ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501
 PHONE: (907) 646-2995
 DESIGNED: NGUYEN
 CHECKED: NGUYEN
 ROOS: DRAFTED: NGUYEN
 CERTIFICATE OF AUTH # 17920


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H11	H29



TRAFFIC MARKING KEY

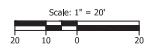
- 4"W 4" WHITE LINE
- 4"WS 4" WHITE SKIP LINE (10' STRIPE/30' SKIP PATTERN)
- 4"WD-1 4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN)
- 4"WD-2 4" WHITE DOTTED LINE (3' STRIPE/9' SKIP PATTERN)
- 4"Y 4" YELLOW LINE
- 4"YS 4" YELLOW SKIP LINE (10' STRIPE/30' SKIP PATTERN)
- 4"DY 4" DOUBLE YELLOW LINE
- 4"Y TWLTL 4" YELLOW TWO-WAY LEFT-TURN LANE STANDARD
- 8"W 8" WHITE LINE
- 8"WD-1 8" WHITE WIDE DOTTED LINE (2' STRIPE/4' SKIP PATTERN)
- 8"WD-2 8" WHITE WIDE DOTTED LINE (3' STRIPE/9' SKIP PATTERN)
- 12"WD 12" WHITE WIDE DOTTED LINE (2' STRIPE/2' SKIP PATTERN)
- 12"WRE 12" WHITE ROUNDABOUT ENTRY (2' STRIPE/6' SKIP PATTERN)
- 24"W 24" WHITE LINE
- STD SEE STANDARD DRAWING

NOTE:
 DIMENSIONS ARE TO CENTER OF STRIPE OR STRIPE GROUP.

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

 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDONHALL LOOP ROAD CAPACITY IMPROVEMENTS
 SIGNING AND STRIPING - PLAN 10 (ADD. ALT. 1)



FIRM: KITTLESON AND ASSOCIATES, INC. ADDRESS: 100 A STREET, SUITE 105, MOORHAGE, AK 99501 PHONE: (907) 646-2995
 FILE: 141222336 - Mendonhall Loop Rd Final Design.dwg LAYOUT: H12 DATE: 02/14/2020
 CHECKED: ROOS
 DESIGNED: INUYEN
 DRAFTED: INUYEN
 CERTIFICATE OF AUTHORITY # 17920

SIGN SUMMARY

LOC. NO	STATION	LOCATION		ASDS CODE	LEGEND	SIZE			BRACING/FRAMING		AREA (SQFT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS
		LT.	RT.			H	X	V	BRACED	FRAMED				TYPE	SIZE	NO.	
1	"SR RAB" 99+35	37.7		R2-1	SPEED LIMIT -40								N				REMOVE
2	"SR RAB" 99+84	30.8		R3-9cP	BEGIN	30	X	12	X		2.5		N	PST	2.5	1	NEW
				R3-9b	CENTER LANE TWO-WAY TURN ONLY	24	X	36			6.0						
3	"SR RAB" 100+30	1.0		R4-7	KEEP RIGHT SYMBOL	24	X	30			5.0		S	PST	2.5	1	NEW
				OM1-1	TYPE 1 OBJECT MARKER	18	X	18			2.25						
4	"SR RAB" 100+30	33.7		S5-2	END OF SCHOOL ZONE								N				REMOVE
5	"SR RAB" 100+50	29.2		R2-1	SPEED LIMIT - 40	24	X	30			5.0		N	PST	2.5	1	NEW
				S5-2	END OF SCHOOL ZONE	24	X	30			5.0						
6	"SR RAB" 101+32	37.8		R3-9	CENTER LANE TWO-WAY TURN ONLY								N				REMOVE
7	"SR RAB" 97+27	34.0		S1-1	SCHOOL CROSSING SYMBOL AHEAD	36	X	36	X		9.0		S	PST	2.5	1	NEW
				W16-9P		24	X	12			2.0						
8	"SR RAB" 97+66	36.4		S1-1	SCHOOL CROSSING SYMBOL AHEAD								S				REMOVE
				W16-9P													
9	"SR RAB" 99+84	33.0		R3-9dP	END	30	X	12	X		2.5		S	PST	2.5	1	NEW
				R3-9b	CENTER LANE TWO-WAY TURN ONLY	24	X	36			6.0						
10	"SR RAB" 101+31	39.6		W2-6	CIRCULAR INTERSECTION	36	X	36	X		9.0		S	PST	2.5	1	NEW
11	"SR RAB" 101+95	6.3		R3-2	NO LEFT TURN SYMBOL								E				REMOVE
12	"SR RAB" 102+04	3.3		R6-1R	ONE WAY	36	X	12	X		3.0		E	PST	2.5	1	NEW
13	"SR RAB" 102+11	32.4		R3-17	(BICYCLE SYMBOL) BIKE LANE	24	X	30			5.0		N	PST	2.5	1	NEW
				R7P-101	NO PARKING ANYTIME	12	X	18			1.5						
14	"SR RAB" 103+30	56.5		BUS STOP	BUS STOP								N	PST	2.5	1	RELOCATE; BUS STOP; NEW R7P-101
				R7P-101	NO PARKING ANYTIME	12	X	18			1.5						
15	"SR RAB" 104+23	36.7		W4-2R	RIGHT LANE ENDS SYMBOL	36	X	36	X		9.0		N	PST	2.5	1	NEW
16	"SR RAB" 104+54	45.6		"PLEASE DRIVE SAFELY"	"PLEASE DRIVE SAFELY"								N				RELOCATE; INSTALL ON LUMINAIRE POLE
				"IN MEMORY OF SKYLER LEE KIM"	"IN MEMORY OF SKYLER LEE KIM"												
17	"SR RAB" 104+73	5.2		D1-1D	MENDONHALL LOOP RD (ARROW)	78	X	24		X	13.0		W	PST	2.5	2	NEW
18	"SR RAB" 104+91	71.9		R1-2	YIELD	36	X	36	X		9.0		W	PST	2.5	1	NEW
19	"SR RAB" 106+22	69.5		R1-2	YIELD	36	X	36	X		9.0		N				NEW; INSTALL ON LUMINAIRE POLE
20	"SR RAB" 106+21	17.3		R1-2	YIELD	36	X	36	X		9.0		N	PST	2.5	1	NEW

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H12	H29

SIGN SUMMARY

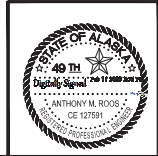
LOC. NO	STATION	LOCATION		ASDS CODE	LEGEND	SIZE			BRACING/FRAMING		AREA (SQFT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS	
		LT.	RT.			H	X	V	BRACED	FRAMED				TYPE	SIZE	NO.		
																		INCHES
21	"SR RAB" 101+56		33.9	R1-2	YIELD								S				REMOVE	
22	"SR RAB" 102+27	61.1		R1-1	STOP	30	X	30	X		6.25							REPLACE R1-1; NEW (3) D3-1
				D3-1	MENDONHALL LOOP RD	48	X	8			2.67		E	PST	2.5	2		
				D3-1	TRINITY DR	12	X	42			3.5							
				D3-1	TRINITY DR	12	X	42			3.5							
23	"SR RAB" 102+62	47.9		R3-17	(BICYCLE SYMBOL) BIKE LANE	24	X	30			5.0		S	PST	2.5	1	NEW	
				R7P-101	NO PARKING ANYTIME	12	X	18			1.5							
24	"SR RAB" 102+99	57.2		R5-3	NO MOTOR VEHICLES								S				RETAIN	
25	"SR RAB" 103+08	52.8		D14-100	ADOPT A HIGHWAY								S				RELOCATE	

SIGNING NOTES:

- REMOVE AND DISPOSE OF ALL EXISTING SIGNS AND SIGN FOUNDATIONS WITHIN THE PROJECT LIMITS, EXCEPT THOSE DESIGNATED FOR REINSTALLATION, SALVAGE, OR OTHERWISE NOTED.
- OFFSET DISTANCES ARE FROM DESIGN CENTERLINE TO CENTER OF POST OR POLE.
- MOUNT SIGNS PER STANDARD DRAWING S-05.01. SIGNS THAT PROJECT OVER OR WITHIN 2 FEET OF THE SIDEWALK SHALL BE MOUNTED TO A HEIGHT OF 8 FEET TO BOTTOM OF SIGN.
- DETERMINE POST LENGTHS IN THE FIELD. DO NOT EXTEND POSTS ABOVE TOP OF SIGN.
- INSTALL POSTS WITH SLEEVE TYPE CONCRETE FOUNDATION PER STANDARD DRAWING S-30.04. ATTACH THE SIGN POST USING GALVANIZED 3/8" BOLT, NUT, SPLIT LOCK WASHER AND TWO FLAT WASHERS.
- INSTALL "TUBE POST BRACING" AS SHOWN ON STANDARD DRAWING S-01.01 ON ALL SIGNS MOUNTED ON A SINGLE POST AND HAVING A HORIZONTAL DIMENSION OF 30 INCHES OR GREATER.
- INSTALL "SMALL STREET NAME SIGNS" D3-1 SERIES SIGNS AS SHOWN ON STANDARD DRAWING S-01.01.
- ATTACH ALL SIGNS TO THEIR SUPPORTS WITH 3/8" BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO POSTS WITH ALUMINUM DRIVE RIVETS. WIND WASHERS ARE NOT REQUIRED WITH DRIVE RIVETS. INCLUDE SPLIT LOCK WASHERS WHEN BOLTS ARE USED.
- ALL FASTENER HARDWARE SHALL MEET THE REQUIREMENTS OF THE "FASTENER SPECIFICATION TABLE" ON SHEET H19.
- SEE SIGNAL SIGN SCHEDULE ON SHEETS H23 AND H27 FOR LOCATION OF SIGNAL POLE AND MAST ARM MOUNTED SIGNS.
- STOP (R1-1) AND YIELD (R1-2) SIGN LOCATIONS, ESPECIALLY THOSE AT LARGE RADIUS INTERSECTIONS, MAY NEED ADJUSTMENT IN THE FIELD. THE ENGINEER WILL APPROVE FINAL LOCATIONS.
- INSTALL D3-1 SIGNS ABOVE THEIR RESPECTIVE STOP SIGNS. WHEN TWO D3-1 SERIES SIGNS ARE TO BE LOCATED ON THE SAME POST, INSTALL THE CROSS-STREET PANEL IN THE LOWER POSITION.
- D3-1 SERIES SIGNS REQUIRE TWO SEPARATE SINGLE SIDED PANELS. END-BRACE PANELS PER SMALL STREET SIGN NAME SIGN BRACING DETAILS ON SHEET H20.
- MAINTAIN EXISTING SIGNS UNTIL NEW SIGNS ARE INSTALLED. DO NOT LEAVE DUPLICATE OR CONFLICTING SIGNING UP AT ANY TIME.
- ALL SIGNS NOTED FOR REMOVAL AND REINSTALLATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THEY ARE DAMAGED DURING THE RELOCATION EFFORT.
- LOCATE AND PROTECT ALL NEW AND EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGN POSTS. NOT ALL UTILITIES MAY BE SHOWN ON THE SIGNING PLANS.
- REMOVE VEGETATION TO ENSURE ADEQUATE VISIBILITY OF SIGNS. THIS WORK IS SUBSIDIARY TO PAY ITEM 201(3B).
- RELOCATION OF EXISTING SIGNS ON TO NEW POSTS SHALL BE SUBSIDIARY TO PAY ITEM 615(2) STANDARD SIGN.
- MOUNT SIGNS ON LUMINAIRE POLES PER SIGN INSTALLATION DETAIL ON SHEET H22.

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

 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDONHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 SIGN SUMMARY AND NOTES

KITTLESON AND ASSOCIATES, INC. FILE: R1322336 - Mendonhall Loop Rd Final Design.dwg, C:\06\982_11_05_2010.dwg
 ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 DATE: 02/14/2020 LAYOUT: H13
 PHONE: (907) 646-2995 DESIGNED: INVOLEN
 (907) 646-2995 INVOLEN
 CHECKED: ROOS
 CERTIFICATE OF AUTH. #: 17920 DRAFTED: INVOLEN

SIGN SUMMARY																	
LOC. NO	STATION	LOCATION		ASDS CODE	LEGEND	SIZE			AREA (SQFT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS		
		LT.	RT.			H	X	V				BRACING/FRAMING		TYPE		SIZE	NO.
												BRACED	FRAMED				
26	"SR RAB" 103+61		40.2	R3-BSL/SR	INTERSECTION CONTROL (2 LANE, ROUNDABOUT)	36	X	36	X	9.0		S	PST	2.5	1	NEW	
27	"SR RAB" 104+76		24.5	R1-2	YIELD	36	X	36	X	9.0		S	PST	2.5	1	NEW	
28	"SR RAB" 104+67		73.9	R1-2	YIELD	36	X	36	X	9.0		S	PST	2.5	1	NEW	
29	"SR RAB" 105+25		24.3	R6-4a	ROUNDABOUT DIRECTIONAL (3 CHEVRONS)	48	X	24	X	8.0		S	PST	2.5	1	NEW	
30	"SR RAB" 105+26	19.9		R6-4a	ROUNDABOUT DIRECTIONAL (3 CHEVRONS)	48	X	24	X	8.0		W	PST	2.5	1	NEW	
31	"SR RAB" 105+79	15.4		R6-4a	ROUNDABOUT DIRECTIONAL (3 CHEVRONS)	48	X	24	X	8.0		N	PST	2.5	1	NEW	
32	"SR RAB" 105+75		23.9	R6-4a	ROUNDABOUT DIRECTIONAL (3 CHEVRONS)	48	X	24	X	8.0		E	PST	2.5	1	NEW	
33	"SR RAB" 105+73		89.4	D1-1D	HALOFF WAY (ARROW)	66	X	18		8.25		S	PST	2.5	1	NEW	
34	"SR RAB" 105+62		130.6	S1-1 W16-7pL	SCHOOL CROSSING SYMBOL LEFT DOWNWARD ANGLED ARROW	36 24	X	36 12	X	9.0 2.0		W	PST	2.5	1	NEW	
35	"SR RAB" 105+89		130.6	S1-1 W16-7pR	SCHOOL CROSSING SYMBOL RIGHT DOWNWARD ANGLED ARROW	36 24	X	36 12	X	9.0 2.0		W	PST	2.5	1	NEW	
36	"SR RAB" 105+89		109.0	S1-1 W16-7pR	SCHOOL CROSSING SYMBOL RIGHT DOWNWARD ANGLED ARROW	36 24	X	36 12	X	9.0 2.0		E				NEW; INSTALL ON SIGN POST 35	
37	"SR RAB" 105+90		109.0	R4-7c OM1-1	KEEP RIGHT (NARROW) TYPE 1 OBJECT MARKER	18 18	X	30 18		3.75 2.25		E	PST	2.5	1	NEW	
38	"SR RAB" 106+10		103.6	S1-1 W16-7pL	SCHOOL CROSSING SYMBOL LEFT DOWNWARD ANGLED ARROW	36 24	X	36 12	X	9.0 2.0		E	PST	2.5	1	NEW	
39	"SR RAB" 106+12		72.5	R1-2	YIELD	36	X	36	X	9.0		E	PST	2.5	1	NEW	
40	"SR RAB" 106+27		11.6	D1-1D	MENDENHALL LOOP RD (ARROW)	78	X	24		13.0		S	PST	2.5	1	NEW	
41	"SR RAB" 106+79		40.0	W4-2R	RIGHT LANE ENDS SYMBOL	36	X	36	X	9.0		S	PST	2.5	1	NEW	
42	"SR RAB" 104+82	274.8		R2-1	SPEED LIMIT - 30	24	X	30		5.0		E				REPLACE; INSTALL ON LUMINAIRE POLE	
43	"SR RAB" 104+95	166.1		R4-7 OM1-1	KEEP RIGHT SYMBOL TYPE 1 OBJECT MARKER	24 18	X	30 18		5 2.25		W	PST	2.5	1	NEW	
44	"SR RAB" 105+19	165.4		R7P-101	NO PARKING TIME	12	X	18		1.5		E				REPLACE; INSTALL ON LUMINAIRE POLE	
45	"SR RAB" 105+32	122.8		S1-1 W16-7pL	SCHOOL CROSSING SYMBOL LEFT DOWNWARD ANGLED ARROW	36 24	X	36 12	X	9.0 2.0		E	PST	2.5	1	NEW	
46	"SR RAB" 105+27	84.5		D1-1D	STEPHEN RICHARDS MEMORIAL DRIVE (ARROW)	84	X	24		14.0		E	PST	2.5	1	NEW	
47	"SR RAB" 104+48	154.8		W2-6	CIRCULAR INTERSECTION	36	X	36	X	9.0		W	PST	2.5	1	NEW	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H13	H29

SIGN SUMMARY																	
LOC. NO	STATION	LOCATION		ASDS CODE	LEGEND	SIZE			AREA (SQFT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS		
		LT.	RT.			H	X	V				BRACING/FRAMING		TYPE		SIZE	NO.
												BRACED	FRAMED				
48	"SR RAB" 104+42	261.0		R1-1	STOP	30	X	30	X	6.25		S	PST	2.5	1	NEW	
49	"SR RAB" 104+62	157.3		R7P-101	NO PARKING ANYTIME	12	X	18		1.5		W	PST	2.5	1	REPLACE	
50	"SR RAB" 104+72	112.0			"GET IT TOGETHER JUNEAU" "GET IT TOGETHER JUNEAU"							W				RELOCATE; INSTALL ON LUMINAIRE POLE	
51	"SR RAB" 104+94	98.9		S1-1 W16-7pL	SCHOOL CROSSING SYMBOL LEFT DOWNWARD ANGLED ARROW	36 24	X	36 12	X	9.0 2.0		W	PST	2.5	1	NEW	
52	"SR RAB" 104+69	87.1		R3-108b	LEFT TURN ONLY THROUGH ONLY							W				REMOVE	
53	"SR RAB" 105+13	105.1		S1-1 W16-7pR	SCHOOL CROSSING SYMBOL RIGHT DOWNWARD ANGLED ARROW	36 24	X	36 12	X	9.0 2.0		E	PST	2.5	1	NEW	
54	"SR RAB" 105+13	105.1		S1-1 W16-7pR	SCHOOL CROSSING SYMBOL RIGHT DOWNWARD ANGLED ARROW	36 24	X	36 12	X	9.0 2.0		W				NEW; INSTALL ON SIGN POST 53	
55	"SR RAB" 106+61	149.5		R3-8b R7P-101	LEFT ONLY THROUGH ONLY RIGHT ONLY NO PARKING ANYTIME							E				REMOVE	
56	"SR RAB" 106+75	201.0		W2-6	CIRCULAR INTERSECTION	36	X	36	X	9.0		E	PST	2.5	1	NEW	
57	"SR RAB" 107+54	44.7		D4-100	ADOPT A HIGHWAY							N				RELOCATE	
58	"SR RAB" 107+91	47.4		R3-BSL/SR	INTERSECTION CONTROL (2 LANE, ROUNDABOUT)	36	X	36	X	9.0		N				NEW; INSTALL ON LUMINAIRE POLE	
59	"SR RAB" 108+60	37.5		W2-6	CIRCULAR INTERSECTION	36	X	36	X	9.0		N				NEW; INSTALL ON LUMINAIRE POLE	
60	"SR RAB" 108+97	46.8		R1-1	STOP	30	X	30	X	6.25		W	PST	2.5	1	REPLACE	
61	"SR RAB" 109+12	3.3		R6-1R	ONE WAY	36	X	12	X	3.0		W	PST	2.5	1	NEW	
62	"SR RAB" 109+81	3.3		R6-1R	ONE WAY	36	X	12	X	3.0		W	PST	2.5	1	NEW	
63	"SR RAB" 110+15	1.0		R4-7 OM1-1	KEEP RIGHT SYMBOL TYPE 1 OBJECT MARKER	24 18	X	30 18		5.0 2.25		N	PST	2.5	1	NEW	
64	"SR RAB" 110+40	29.0		R3-9pP R3-9b	END CENTER LANE TWO-WAY TURN ONLY	30 24	X	12 36	X	2.5 6.0		N				NEW; INSTALL ON LUMINAIRE POLE	
65	"SR RAB" 111+23	29.0		S1-1 W16-9P	SCHOOL CROSSING SYMBOL AHEAD							N				REMOVE	

POST TYPE LEGEND:
PST = PERFORATED SIGN

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

Jim Bergan
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS

SIGN SUMMARY
(PAGE 2 OF 5)


FIRM: KITTLESON AND ASSOCIATES, INC. ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 646-2995
 FILE: H:\2023\2336 - Mendenhall Loop Rd Final Design\design\C09\6462_11_05_230.dwg DATE: 02/14/2020 LAYOUT: H14 DESIGNED: NGUYEN CHECKED: NGUYEN
 CERTIFICATE OF AUTH # 17243 ROOS DRAFTED: NGUYEN

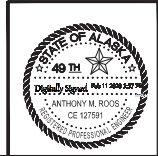
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H14	H29

SIGN SUMMARY

LOC. NO	STATION	LOCATION		ASDS CODE	LEGEND	SIZE			BRACING/FRAMING		AREA (SQFT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS
		LT.	RT.			H	X	V	BRACED	FRAMED				TYPE	SIZE	NO.	
66	"SR RAB" 111+99	34.0		S1-1	SCHOOL CROSSING SYMBOL AHEAD	36	X	36		X		9.0	N	PST	2.5	1	REMOVE
				W16-9P		24	X	12			2.0						
67	"SR RAB" 107+73	57.6		BUS STOP	BUS STOP								S	PST	2.5	1	RELOCATE BUS STOP; NEW R7P-101
				R7P-101	NO PARKING ANYTIME	12	X	18			1.5						
68	"SR RAB" 108+50	5.4		R6-1R	ONE WAY	36	X	12	X		3.0		E	PST	2.5	1	NEW
69	"SR RAB" 108+82	29.3		S5-2	END OF SCHOOL ZONE								S				REMOVE
70	"SR RAB" 108+94	38.4		R2-1	SPEED LIMIT - 40	24	X	30			5.0		S	PST	2.5	1	NEW
				S5-2	END OF SCHOOL ZONE	24	X	30			5.0						
71	"SR RAB" 109+63	28.8		R2-1	SPEED LIMIT - 40								S				REMOVE
72	"SR RAB" 109+60	31.4		R3-17	(BICYCLE SYMBOL) BIKE LANE	24	X	30			5.0		S	NEW; INSTALL ON POLE			LUMINAIRE
				R7P-101	NO PARKING ANYTIME	12	X	18			1.5						
73	"SR RAB" 110+29	42.0		R3-9cP	BEGIN	30	X	12	X		2.5		S	PST	2.5	1	NEW
				R3-9b	CENTER LANE TWO-WAY TURN ONLY	24	X	36			6.0						
74	"SR RAB" 111+21	51.3		R1-1	STOP	30	X	30	X		6.25		E	PST	2.5	2	REPLACE R1-1; NEW (3) D3-1
				D3-1	MENDENHALL LOOP RD	48	X	8	X		2.67						
				D3-1	DUDLEY ST	48	X	12	X		4.0						
				D3-1	DUDLEY ST	48	X	12	X		4.0						
75	"SR RAB" 111+25	34.8		R7P-101	NO PARKING ANYTIME								W				REMOVE
76	"SR RAB" 111+39	31.9		R3-17	(BICYCLE SYMBOL) BIKE LANE	24	X	30			5.0		S	NEW; INSTALL ON POLE			LUMINAIRE
				R7P-101	NO PARKING ANYTIME	12	X	18			1.5						
77	"SR RAB" 114+37	40.0		R3-9b	CENTER LANE TWO-WAY TURN ONLY								N				RETAIN
78	"SR RAB" 114+69	46.6		R1-1	STOP								W				RETAIN
79	"SR RAB" 115+25	40.7		R3-9b	CENTER LANE TWO-WAY TURN ONLY								S				RETAIN

POST TYPE LEGEND:
 PST = PERFORATED STEEL TUBE

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
SIGN SUMMARY
 (PAGE 3 OF 5)

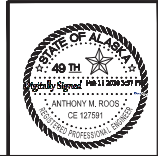
KITTLESON AND ASSOCIATES, INC. | ADDRESS | 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 | PHONE | (907) 646-2995 | CERTIFICATE OF AUTH # 17924
 FILE | 141202336 - Mendonhall Loop Rd Final Design | LAYOUT | H15 | DATE | 02/14/2020 | INVOICED | INVOICED | CHECKED | ROOS | DRAFTED | INVOICED

SIGN SUMMARY																	
LOC. NO	STATION	LOCATION		ASDS CODE	LEGEND	SIZE			BRACING/FRAMING		AREA (SQFT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS
		LT.	RT.			H	X	V	BRACED	FRAMED				TYPE	SIZE	NO.	
80	"FD RAB" 396+44		53.3	R1-1	STOP								E				RETAIN
81	"FD RAB" 396+61		37.8	S1-1 W16-9P	SCHOOL CROSSING SYMBOL AHEAD								S				REMOVE
82	"FD RAB" 397+14		54.9	R5-3	NO MOTOR VEHICLES								S				RETAIN
83	"FD RAB" 398+86	34.4		R7P-101	NO PARKING ANYTIME								E				RETAIN
84	"FD RAB" 398+93	50.2		R1-1 D3-1	STOP EL CAMINO ST								W				RETAIN
85	"FD RAB" 399+98	30.6		S5-2	END OF SCHOOL ZONE								N				RETAIN
86	"FD RAB" 400+30	34.2		R2-1 S5-2	SPEED LIMIT - 40 END OF SCHOOL ZONE	24	X	30		5.0			N	NEW; INSTALL ON POLE			LUMINAIRE
87	"FD RAB" 400+80	33.3		R3-17 R7P-101	(BICYCLE SYMBOL) BIKE LANE NO PARKING ANYTIME	24	X	30		5.0	1.5		N	NEW; INSTALL ON POLE			LUMINAIRE
88	"FD RAB" 400+67	29.7		S5-2	END OF SCHOOL ZONE								N				REMOVE
89	"FD RAB" 400+80	36.5		R2-1	SPEED LIMIT - 40								N				REMOVE
90	"FD RAB" 401+62	3.25		R6-1R	ONE WAY	36	X	12	X	3.0			E	PST	2.5	1	NEW
91	"FD RAB" 401+80	44.4		BUS STOP R7P-101	BUS STOP NO PARKING ANYTIME	12	X	18		1.5			N	PST	2.5	1	RELOCATE BUS STOP; NEW R7P-101
92	"FD RAB" 402+69	50.9		R5-3	NO MOTOR VEHICLES								N				REMOVE
93	"FD RAB" 402+76	3.29		R5-11	AUTHORIZED VEHICLES ONLY	30	X	24	X	5.0			S	PST	2.5	1	NEW
94	"FD RAB" 397+55	32.0		S1-1 W16-9P	SCHOOL CROSSING SYMBOL AHEAD	36	X	36	X	9.0	2.0		S	PST	2.5	1	NEW
95	"FD RAB" 400+32	1.0		R4-7 OM1-1	KEEP RIGHT SYMBOL TYPE 1 OBJECT MARKER	24	X	30		5.0	2.25		S	PST	2.5	1	NEW
96	"FD RAB" 400+89	32.5		W2-6	CIRCULAR INTERSECTION	36	X	36	X	9.0			S	PST	2.5	1	NEW
97	"FD RAB" 401+77	46.2		R1-1 D3-1 D3-1 R3-5R	STOP MENDENHALL LOOP RD CHANNCIE CT CHANNCIE CT (RIGHT TURN ARROW) ONLY	30	X	30	X	6.25	2.67		S	PST	2.5	2	REPLACE R1-1; NEW (3) D3-1; R3-5R
98	"FD RAB" 402+00	38.3		R7P-101	NO PARKING ANYTIME								W				RETAIN
99	"FD RAB" 402+40	32.0		R3-17 R7P-101	(BICYCLE SYMBOL) BIKE LANE NO PARKING ANYTIME	24	X	30		5.0	1.5		S	NEW; INSTALL ON POLE			LUMINAIRE
100	"FD RAB" 403+13	31.7		R3-1	NO RIGHT TURN SYMBOL	24	X	24		4.0			N	PST	2.5	1	NEW

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H15	H29

SIGN SUMMARY																	
LOC. NO	STATION	LOCATION		ASDS CODE	LEGEND	SIZE			BRACING/FRAMING		AREA (SQFT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS
		LT.	RT.			H	X	V	BRACED	FRAMED				TYPE	SIZE	NO.	
101	"FD RAB" 403+20	39.2		BUS STOP STUDENT DROP-OFF ZONE	BUS STOP "STUDENT DROP-OFF ZONE"								N				RELOCATE BUS STOP SIGN TO POST 91 RELOCATE BUS STOP; REMOVE "STUDENT DROP-OFF ZONE"
102	"FD RAB" 403+50	48.3		R5-1 R5-11	DO NOT ENTER AUTHORIZED VEHICLES ONLY	30	X	30		6.25	5.0		N	PST	2.5	1	NEW
103	"FD RAB" 403+11	52.2		D3-1 R1-1 R3-5R	MENDENHALL LOOP RD STOP (RIGHT TURN ARROW) ONLY	48	X	8	X	2.67	6.25	7.0	W	PST	2.5	1	NEW
104	"FD RAB" 403+57	34.2		S1-1 W16-7pL	SCHOOL CROSSING SYMBOL LEFT DOWNWARD ANGLED ARROW	36	X	36	X	9.0	2.0		N	PST	2.5	1	NEW
105	"FD RAB" 403+84	8.2		D1-1D	MENDENHALL LOOP RD (ARROW)	78	X	24		X	13.0		N	PST	2.5	1	NEW
106	"FD RAB" 404+29	13.8		R6-4	ROUNDABOUT DIRECTIONAL (2 CHEVRONS)	30	X	24	X	5.0			S	PST	2.5	1	NEW
107	"FD RAB" 404+62	20.2		R6-4	ROUNDABOUT DIRECTIONAL (2 CHEVRONS)	30	X	24	X	5.0			E	PST	2.5	1	NEW
108	"FD RAB" 404+68	13.8		R6-4	ROUNDABOUT DIRECTIONAL (2 CHEVRONS)	30	X	24	X	5.0			N	PST	2.5	1	NEW
109	"FD RAB" 405+49	75.3		R10-6	STOP HERE ON RED ARROW								N				REMOVE
110	"SR RAB" 405+11	43.9		R1-2	YIELD	36	X	36	X	9.0			E	PST	2.5	1	NEW
111	"SR RAB" 405+14	14.1		R1-2	YIELD	36	X	36	X	9.0			E	PST	2.5	1	NEW
112	"FD RAB" 407+78	1.6		R4-7 W16-9P	KEEP RIGHT SYMBOL TYPE 1 OBJECT MARKER	24	X	30		5.0	2.25		N	PST	2.5	1	NEW
113	"FD RAB" 408+00	29.0		R3-9dP R3-9b	END CENTER LANE TWO-WAY TURN ONLY	30	X	12	X	2.5	6.0		N	PST	2.5	1	NEW
114	"FD RAB" 408+18	43.7		R1-1 D3-1	STOP SPRUCE LANE								W				RETAIN
115	"FD RAB" 403+37	3.2		R6-1R	ONE WAY	36	X	12	X	3			W	PST	2.5	1	NEW
116	"FD RAB" 403+61	4.7		S1-1 W16-7pR	SCHOOL CROSSING SYMBOL RIGHT DOWNWARD ANGLED ARROW	36	X	36	X	9.0	2.0		N	PST	2.5	1	NEW

POST TYPE LEGEND:
 PST = PERFORATED SIGN
 Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergman 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 SIGN SUMMARY (PAGE 4 OF 5)
 (ADD. ALT. 1)

FIRM: KITTLESON AND ASSOCIATES, INC. ADDRESS: 1000 A STREET, SUITE 105, MICHIGAN, AK 99501 PHONE: (907) 646-2995
 FILE: H:\2023\2336 - Mendenhall Loop Rd Final Design\design\CD\676922_P5_SS_800.dwg DATE: 02/14/2020 LAYOUT: H16 CHECKED: ROOS DRAFTED: NGUYEN

SIGN SUMMARY																	
LOC. NO	STATION	LOCATION		ASDS CODE	LEGEND	SIZE			BRACING/FRAMING		AREA (SQFT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS
		LT.	RT.			H	X	V	BRACED	FRAMED				TYPE	SIZE	NO.	
117	"FD RAB" 403+62	4.8	S1-1	SCHOOL CROSSING SYMBOL	36	X	36	X		9.0	S	PST	2.5	1	NEW		
			W16-7pR	RIGHT DOWNWARD ANGLED ARROW	24	X	12			2.0							
118	"FD RAB" 403+86	9.5	R1-2		YIELD	36	X	36	X	9.0	W	PST	2.5	1	NEW		
119	"FD RAB" 403+83	22.2	R10-6		STOP HERE ON RED ARROW						S				REMOVE		
120	"FD RAB" 403+58	33.1	S1-1	SCHOOL CROSSING SYMBOL	36	X	36	X		9.0	S	NEW; INSTALL ON	LUMINAIRE				
			W16-7pL	LEFT DOWNWARD ANGLED ARROW	24	X	12		2.0								
121	"FD RAB" 404+18	86.0	S1-1	SCHOOL CROSSING SYMBOL	36	X	36	X		9.0	W	PST	2.5	1	NEW		
			W16-7pL	LEFT DOWNWARD ANGLED ARROW	24	X	12		2.0								
122	"FD RAB" 403+90	9.5	R1-2		YIELD	36	X	36	X	9.0	W	PST	2.5	1	NEW		
123	"FD RAB" 404+55	128.7	R4-7	KEEP RIGHT SYMBOL	24	X	30			5.0	E	PST	2.5	1	NEW		
			W16-9P	TYPE 1 OBJECT MARKER	18	X	18		2.25								
124	"FD RAB" 404+80	96.0	S1-1	SCHOOL CROSSING SYMBOL	36	X	36	X		9.0	E	PST	2.5	1	NEW		
			W16-7pL	LEFT DOWNWARD ANGLED ARROW	24	X	12		2.0								
125	"FD RAB" 404+46	65.8	D1-1D		FLOYD DRYDEN MIDDLE SCHOOL (ARROW)	72	X	24	X	12.0	W	PST	2.5	2	NEW		
126	"FD RAB" 404+85	59.4	R1-2		YIELD	36	X	36	X	9.0	W	PST	2.5	1	NEW		
127	"FD RAB" 404+62	20.4	R1-1		STOP						E				REMOVE		
128	"FD RAB" 406+15	4.9	D1-1D		MENDENHALL LOOP RD (ARROW)	78	X	24	X	13.0	S	PST	2.5	1	NEW		
129	"FD RAB" 406+32	42.0	BUS STOP	BUS STOP	12	X	18			1.5	S	PST	2.5	1	NEW		
			R7P-101	NO PARKING ANYTIME	12	X	18		1.5								
130	"FD RAB" 407+16	34.3	R3-9b		CENTER LANE TWO-WAY TURN ONLY						S				REMOVE		
131	"FD RAB" 407+57	27.8	R3-17	(BICYCLE SYMBOL) BIKE LANE	24	X	30			5.0	S	NEW; INSTALL ON	LUMINAIRE				
			R7P-101	NO PARKING ANYTIME	12	X	18		1.5								
132	"FD RAB" 407+94	30.2	R3-9cP	BEGIN	30	X	12	X		2.5	S	NEW; INSTALL ON	LUMINAIRE				
			R3-9b	CENTER LANE TWO-WAY TURN ONLY	24	X	36		6.0								
133	"FD RAB" 410+00	28.5	W2-6		CIRCULAR INTERSECTION	36	X	36	X	9.0	N	PST	2.5	1	NEW		
134	"FD RAB" 410+53	36.7	R7-1		NO PARKING ANYTIME						E				RETAIN		
135	"FD RAB" 411+85	27.5	S1-1	SCHOOL CROSSING SYMBOL	36	X	36	X		9.0	E	PST	2.5	1	NEW		
			W16-7pL	LEFT DOWNWARD ANGLED ARROW	24	X	12		2.0								

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H16	H29

SIGN SUMMARY																	
LOC. NO	STATION	LOCATION		ASDS CODE	LEGEND	SIZE			BRACING/FRAMING		AREA (SQFT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS
		LT.	RT.			H	X	V	BRACED	FRAMED				TYPE	SIZE	NO.	
136	"FD RAB" 412+72	29.5	R3-9cP	BEGIN							N				RETAIN		
			R3-9b	CENTER LANE TWO-WAY TURN ONLY													
137	"FD RAB" 413+41	37.2	S1-1		SCHOOL CROSSING SYMBOL						N				REMOVE		
138	"FD RAB" 408+86	35.0	R2-1	SPEED LIMIT - 40	24	X	30			5.0	S	PST	2.5	1	NEW		
			S502	END OF SCHOOL ZONE	24	X	30		5.0								
139	"FD RAB" 409+57	40.0	R7-1		NO PARKING ANYTIME						W				RETAIN		
140	"FD RAB" 411+74	41.4	R2-1		SPEED LIMIT - 40						S				REMOVE		
141	"SR RAB" 105+73	143.5		"WOOD STOVE BURN BAN IN EFFECT"	"WOOD STOVE BURN BAN IN EFFECT"						W				RELOCATE		

POST TYPE LEGEND:
PST = PERFORATED STEEL TUBE

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

Jim Bergeron 2.15.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

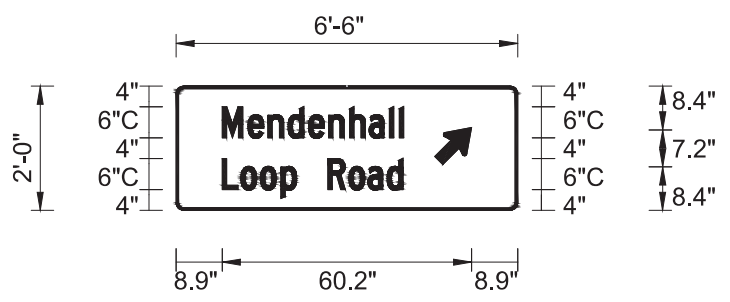
MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS

SIGN SUMMARY (PAGE 5 OF 5)
(ADD. ALT. 1)

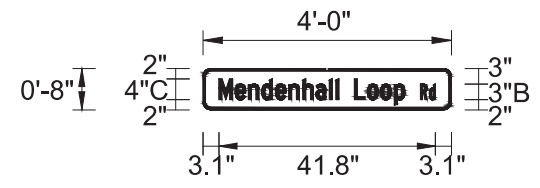
FIRM: KUTTELSON AND ASSOCIATES, INC. ADDRESS: 1000 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 646-7995 CERTIFICATE OF AUTH # 17243
 FILE: H:\2023\2336 - Mendenhall Loop Rd Final Design\design_CD\6462_11_05_S&M.dwg DATE: 02/14/2020 LAYOUT: H17
 DESIGNED: NGUYEN CHECKED: ROOS DRAFTED: NGUYEN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H17	H29

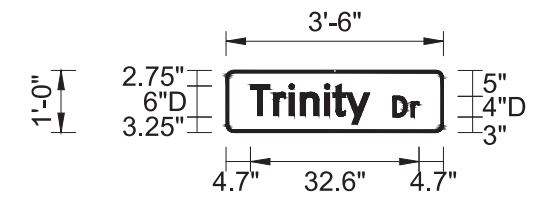
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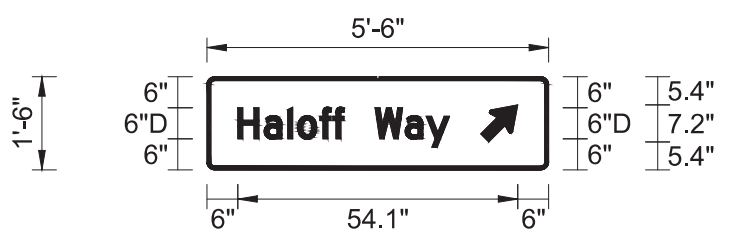
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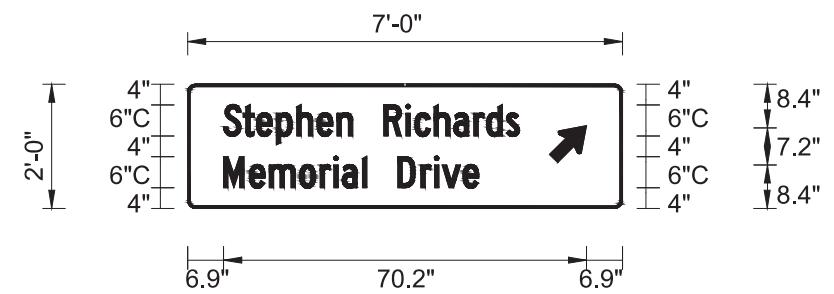
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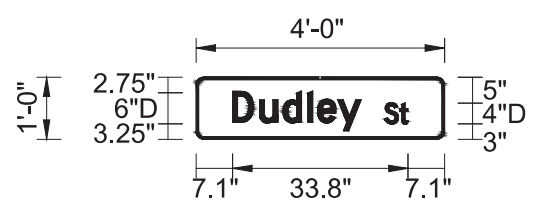
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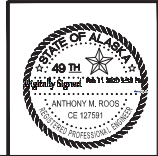
SIGN 46



SIGN 74



Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
 2.15.23
 Signature Date

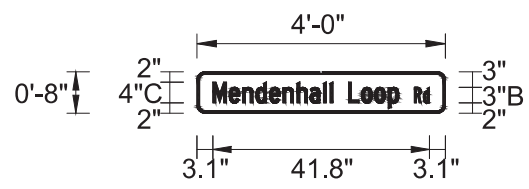


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 SIGN DETAILS
 (PAGE 1 OF 2)

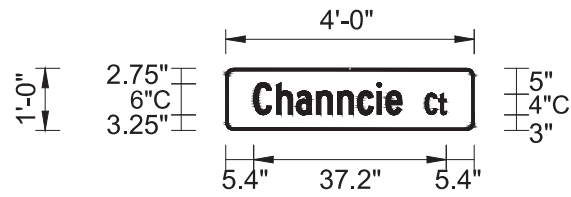
FIRM: KUTTELSON AND ASSOCIATES, INC.
 FILE: 1412022336 - Mendenhall Loop Rd Final Design/Design_CD/6/602_11_05_S&M.dwg
 ADDRESS: 100 A STREET, SUITE 105, ANCHORAGE, AK 99501
 DATE: 02/14/2020 LAYOUT H18
 PHONE: (907) 646-7995
 DESIGNED: NGUYEN
 CHECKED: NGUYEN
 DRAFTED: NGUYEN
 CERTIFICATE OF AUTH # 17243
 ROOS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H18	H29

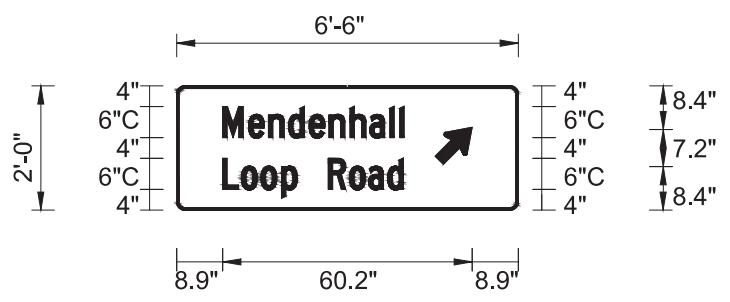
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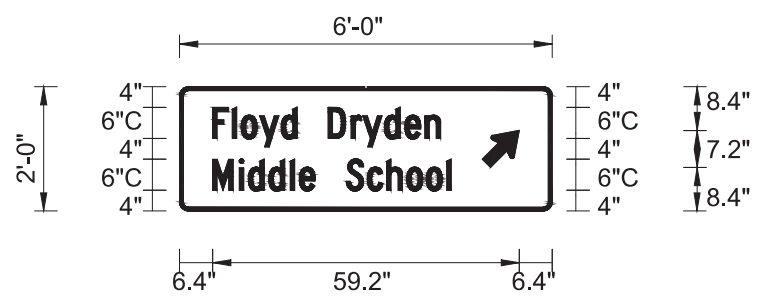
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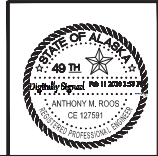
SIGN 105,128



SIGN 125



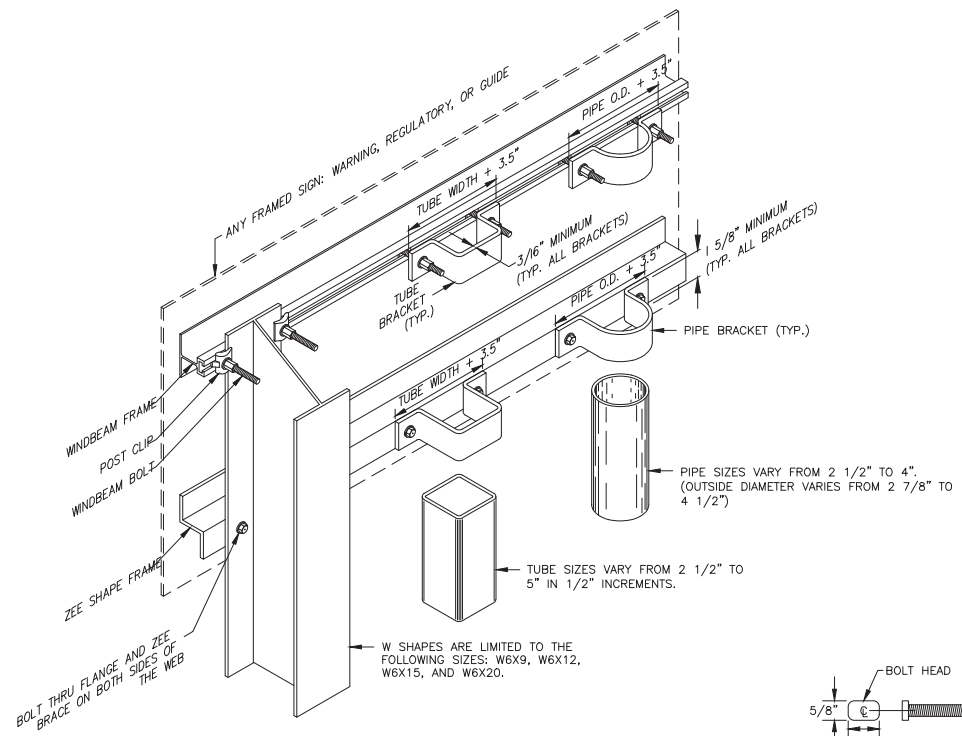
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature 2.15.23
 Date



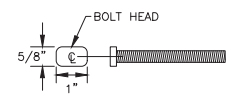
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 SIGN DETAILS (PAGE 2 OF 2)
 (ADD. ALT. 1)

FIRM: KITTLESON AND ASSOCIATES, INC. ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 646-2995
 FILE: H:\2023\23336 - Mendonhall Loop Rd Final Design\design_C\09\6\602_r_s_800.dwg DATE: 02/14/2020 LAYOUT: H19 CHECKED: NGUYEN DESIGNED: NGUYEN
 CERTIFICATE OF AUTH # 17243 BOOS DRAFTED: NGUYEN

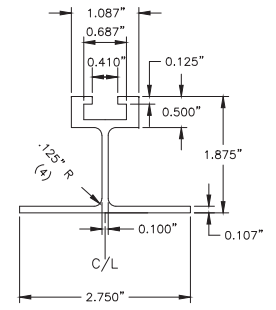
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H19	H29



FRAMED SIGN ATTACHMENT BRACKETS



3/8" WINDBEAM BOLT



EXTRUDED ALUMINUM WINDBEAM

FASTENER SPECIFICATION TABLE

FASTENERS	STEEL	STAINLESS STEEL
BOLTS	ASTM A 307	ASTM F 593
NUTS	ASTM A 563	ASTM F 594
WASHERS	ASTM F 844	ASTM A 480

THESE SPECIFICATIONS APPLY TO ALL SIGN FASTENER HARDWARE ON THE PROJECT.

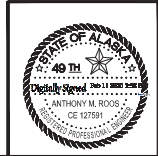
NOTES:

- ATTACH FRAMED SIGNS TO POSTS WHEREVER THE FRAMES CROSS THE POSTS. AT EACH CROSSING, ATTACH THE SIGN USING TWO POST CLIPS ON W-SHAPE POSTS, A U-SHAPED BRACKET ON PIPES OR A BRACKET WITH SQUARE CORNERS ON TUBES.
- THE TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.
- THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
- ALUMINUM ALLOY 6061-T6 SHALL BE USED FOR ZEE SHAPE FRAMING AND RIVETS.

NOTES:

- ALUMINUM ALLOY 6061-T6 SHALL BE USED FOR EXTRUDED WINDBEAM AND RIVETS.
- ATTACH SIGNS TO WINDBEAM WITH 3/6" RIVETS AT 4" STAGGERED SPACING.

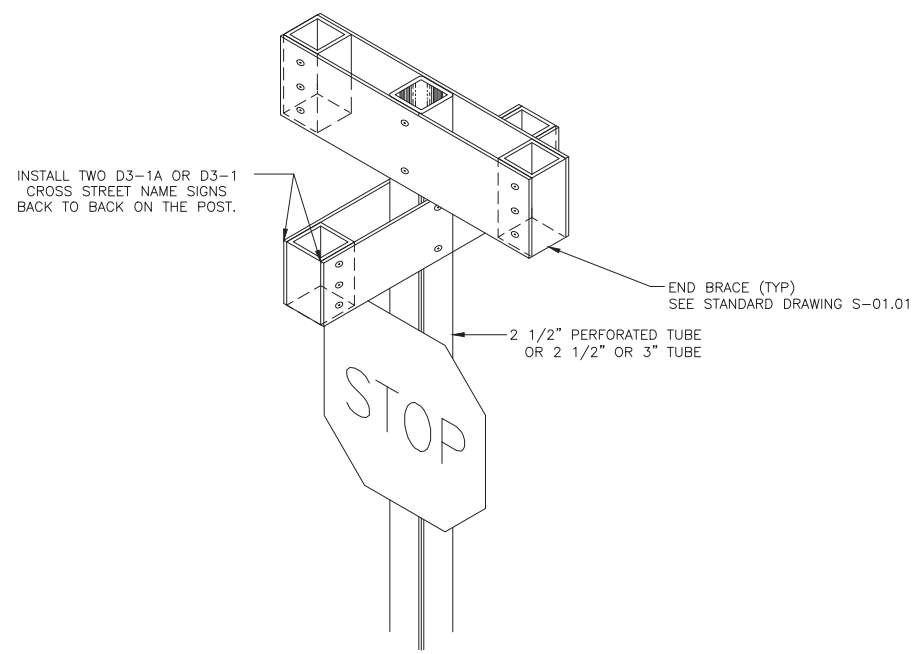
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergman 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 SIGN ATTACHMENT DETAIL

FIRM: KITTLESON AND ASSOCIATES, INC.
 FILE: 1413212336 - Mendonhall Loop Rd Final Design.dwg | C:\916\2\1413212336 - Mendonhall Loop Rd Final Design.dwg | PLOT: 1413212336.dwg | DATE: 02/14/2020 | LAYOUT: 1100
 ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501
 PHONE: (907) 646-7995
 DESIGNED: NGUYEN
 CHECKED: ROOS
 CERTIFICATE OF AUTH # 17243
 DRAFTED: NGUYEN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H20	H29

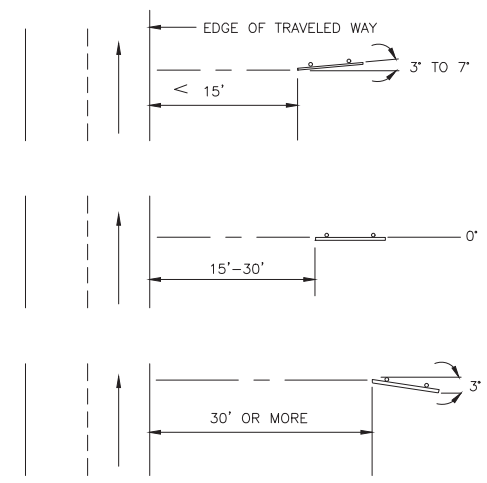



STREET NAME SIGN

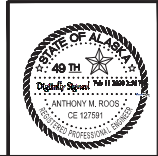
STREET NAME SIGN NOTE:

VERTICALLY SEPARATE MULTIPLE SIGNS MOUNTED ON THE SAME POST BY 2 1/2 INCHES.

SIGN INSTALLATION ANGLES



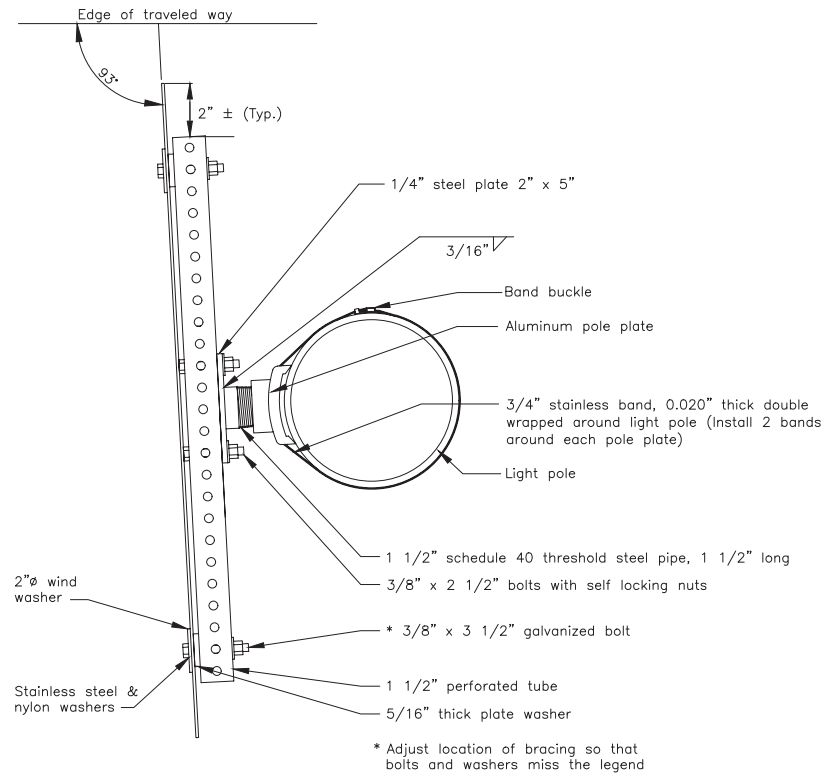
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDONHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 SIGN INSTALLATION DETAIL

FIRM: HNTBelson AND ASSOCIATES, INC. ADDRESS: 1000 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 642-7995 CERTIFICATE OF AUTH # : 13743
 FILE: H12222336 - Mendonhall Loop Rd Final Design.dwg DATE: 02/14/2020 LAYOUT: H21 DESIGNED: NGUYEN CHECKED: BOOS DRAFTED: NGUYEN

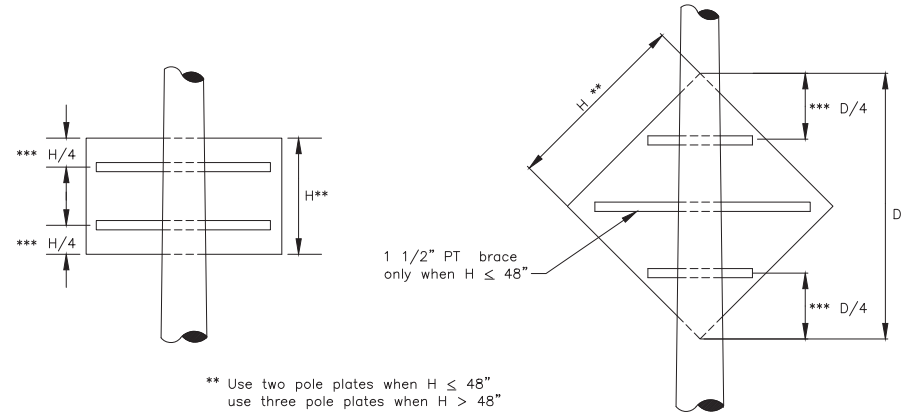
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H21	H29



ELECTROLIER SIGN MOUNTING
(PLAN VIEW)

* Adjust location of bracing so that bolts and washers miss the legend

NO. OF POLE PLATES	OVERHANG	BETWEEN POLE PLATES	OVERHANG
2	0.2W	1 SPACE AT 0.6W	0.2W
3	0.15W	SPACES AT 0.35W	0.15W
4	0.125W	SPACES AT 0.25W	0.125W
5	0.2W	SPACE AT 0.6W	0.2W



** Use two pole plates when $H \leq 48"$
use three pole plates when $H > 48"$

*** When sign panels features predrilled mounting holes, use them to attach the perforated tubes

GENERAL NOTES

- USE POLE PLATE ASSEMBLIES SHOWN HERE TO INSTALL SIGNS ON LIGHT POLES. INSTALL ONE POLE PLATE PER 10 SQUARE FEET OF SIGN PANEL. USE AT LEAST TWO PLATES FOR EACH INSTALLATION.
- FABRICATE EACH POLE PLATE-TO-PERFORATED TUBE ADAPTER (STEEL PLATE WELDED TO PIPE) USING STEEL PLATE CONFORMING TO ASTM A36 AND STEEL PIPE CONFORMING TO ASTM A53. PAINT THESE ADAPTERS IN CONFORMANCE WITH SECTION 504 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.
- PAINT THE ASSEMBLIES IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATION M69.
- ATTACH EACH POLE PLATE WITH TWO BANDS OF 3/4" WIDE BY 0.020" THICK STAINLESS STEEL BANDING MATERIAL. DOUBLE WRAP EACH NAD AND TIGHTEN IT UNTIL THE BAND STOPS MOVING THROUGH THE BUCKLE.
- INSTALL BOLTS, BUTS AND WASHERS CONFORMING TO ASTM A325.

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

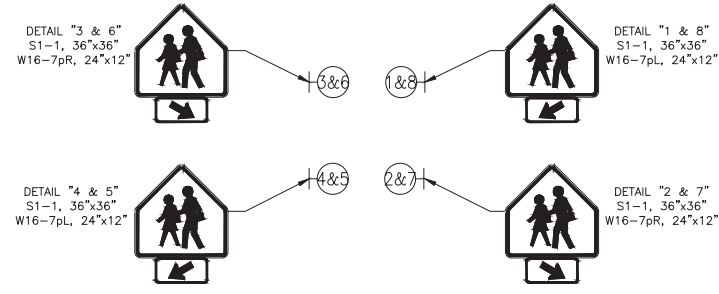
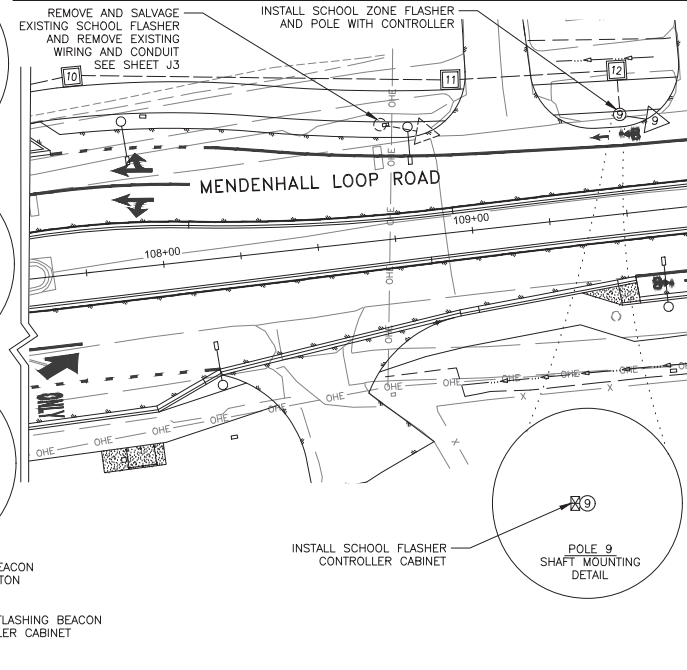
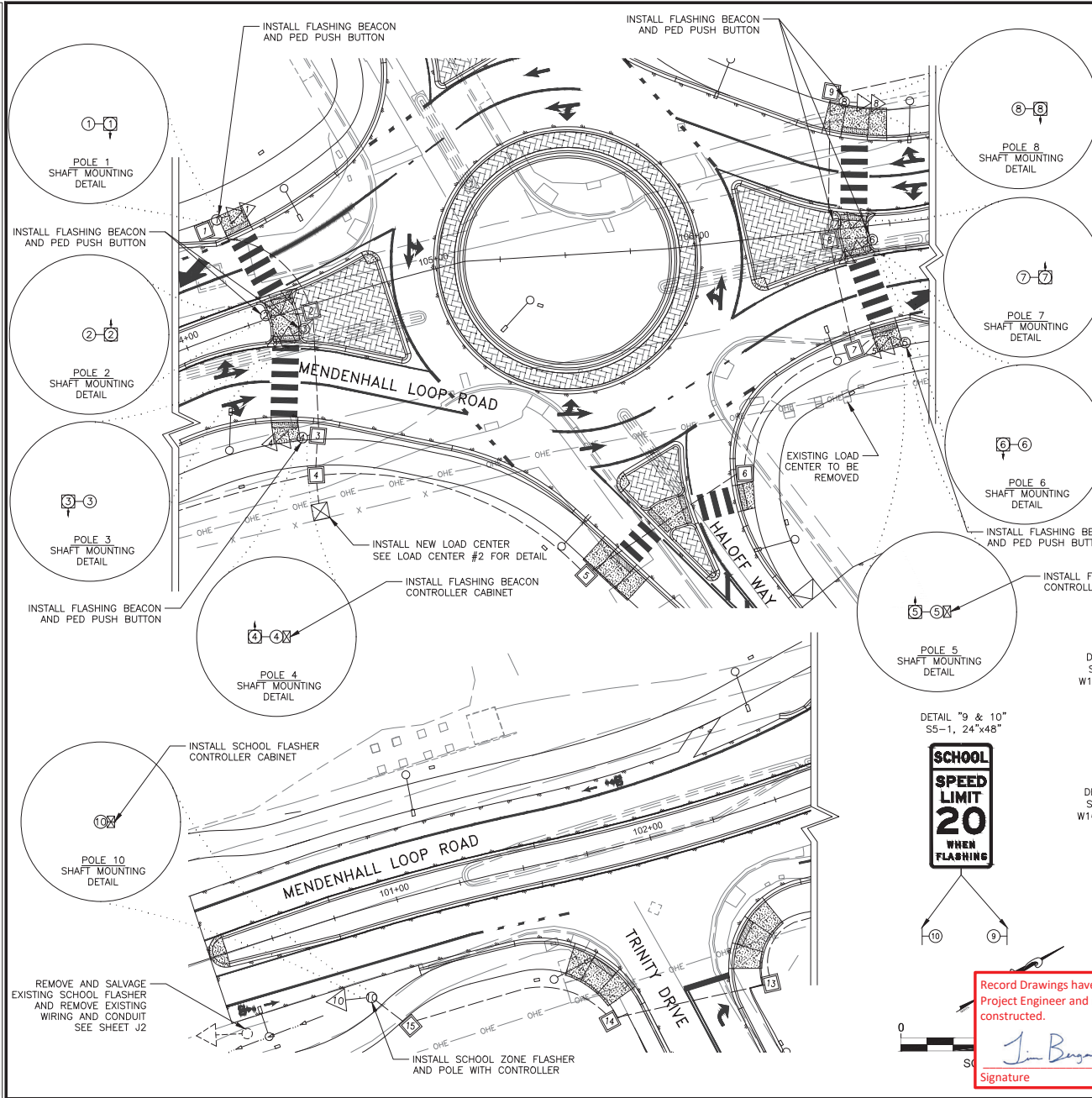
Jim Bergan 2.15.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**MENDONHALL LOOP ROAD
CAPACITY IMPROVEMENTS**
SIGN INSTALLATION DETAIL

PROJECT: Mendenhall Loop Capacity Improvements
 SHEET: H22
 DATE: 04/08/2019
 LAYOUT: H22
 DESIGNED: KOPPORAL
 CHECKED: ROOS
 DRAFTED: KOPPORAL
 CERTIFICATE OF AUTH. #: 137243
 ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501
 PHONE: (907) 846-7995
 FILE: H:\22\22336 - Mendenhall Loop Ref Final Design\design_CD\67622_H_RRF.dwg
 PRINT: KITELESON AND ASSOCIATES, INC.
 FILE: H:\22\22336 - Mendenhall Loop Ref Final Design\design_CD\67622_H_RRF.dwg

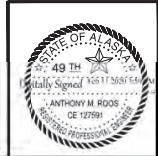
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H22	H29



RECTANGULAR RAPID FLASHING BEACON SIGN PLACEMENT



Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Boyson 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS
 MEMORIAL DRIVE FLASHING
 BEACON PLAN

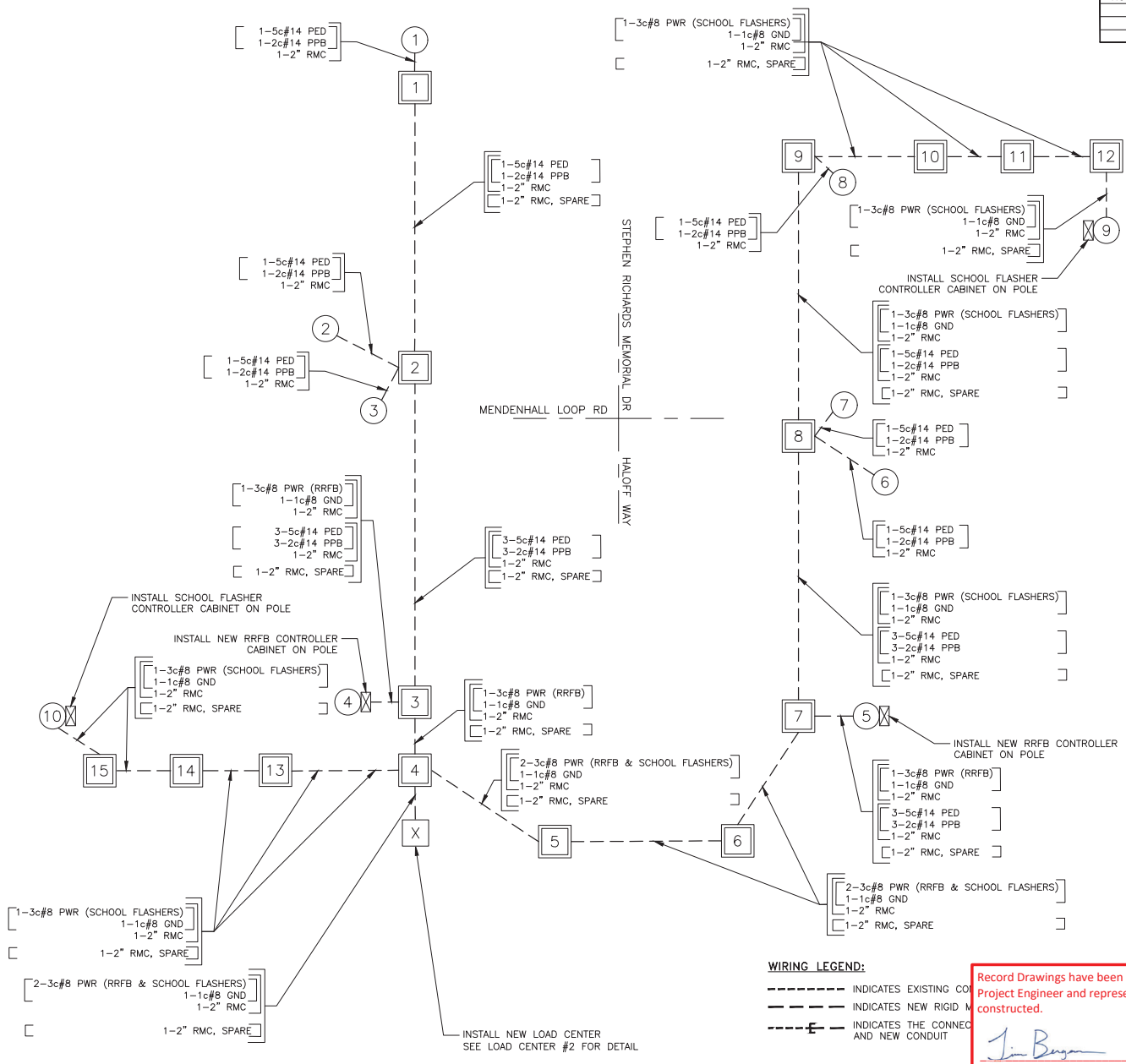
FIRM: KITELESON AND ASSOCIATES, INC.
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 ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501
 PHONE: (907) 846-7895
 CERTIFICATE OF AUTH # 137243
 DATE: 04/08/2019 | LAYOUT | H23
 DESIGNED: KORPORAL | CHECKED: ROOS
 DRAFTED: KORPORAL

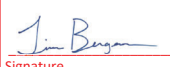
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H23	H29

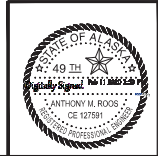
WIRING DIAGRAM CODING LEGEND

OPC = OPTICOM CABLE	5c#14	TRAFFIC SIGNALS
LL = LOOP LEAD-IN	7c#14	PROTECTED-PERMITTED SIGNALS
INT = INTERCONNECT CABLE	5c#14	PEDESTRIAN SIGNALS
PWR = POWER CONDUCTORS	2c#14	PEDESTRIAN PUSH-BUTTON
FOR SIGNAL CONTROLLER	3pr#18	} LOOP LEAD-IN CABLE & VD ET
T = TRANSFORMER	6pr#18	
PTZ = PAN, TILT, ZOOM CAMERA	9pr#18	
ILL = ILLUMINATION	15pr#18	
RMC = RIGID METAL CONDUIT	3c#8	ILLUMINATION
PVC = POLYVINYLCHLORIDE CONDUIT	3c#6	SIGNAL POWER
HDPE = HIGH DENSITY POLYETHYLENE	1c#8	BARE COPPER GROUND
PPB = PEDESTRIAN PUSH-BUTTON	18pr#19	PE-39 INTERCONNECT
SIG# = SIGNAL HEAD NUMBER	1c#6	BARE COPPER GROUND
PED = PEDESTRIAN SIGNAL	CAT-6A	RDET HOME RUN CABLE
DET = DETECTION CONDUIT	SMFO	PTZ DATA
F = FUTURE USE		SINGLE MODE FIBER OPTIC
VD ET = VIDEO DETECTION		
EX = EXISTING		
AAWF = ACTIVE ADVANCED WARNING FLASHER		

- NOTES:**
1. INSTALL 1-1c#8 BARE COPPER GROUND CONDUCTOR IN ALL CONDUITS UNLESS ANOTHER GROUND CONDUCTOR IS SPECIFIED.
 2. ADDITIONAL LIGHT CONDUIT AND WIRING NOT SHOWN ON THIS PLAN. SEE STREET LIGHTING PLANS.



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

 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
**STEPHEN RICHARDS MEMORIAL
 DRIVE WIRING DIAGRAM**

FIRM: KITELESON AND ASSOCIATES, INC. ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 846-7895 DESIGNED: KORPORAL | CHECKED: ROOS | DRAFTED: KORPORAL
 FILE: H:\22\22336 - Mendenhall Loop Rd Final Design\Design_CD\067622_H_RRFB.dwg DATE: 04/08/2019 LAYOUT: H24

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H24	H29

RECTANGULAR RAPID FLASHING BEACON (RRFB) AND SCHOOL FLASHER DESIGN SCHEDULE

POLE NO.	CORNER	LOCATION		POLE			SCHOOL FLASHER CONTROLLER	RRFB DEVICE	RRFB CONTROLLER	PUSH BUTTON	POLE-MOUNTED SIGNS			REMARKS
		STATION	OFFSET	TYPE	BASE	FOUND. DEPTH					ASDS CODE	SIZE HxV	AREA (SQ FT)	
1	SW	104+26.8	42.2 LT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LEDs 1-PED LED	N/A	2 1/2" BUTTON	S1-1 36"x36" 9.0 W16-7pL 24"x12" 2.0 R10-25 9x12" 0.75			
2	SW	104+32.4	1.5 LT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LEDs 1-PED LED	N/A	2 1/2" BUTTON	S1-1 36"x36" 9.0 W16-7pR 24"x12" 2.0 R10-25 9x12" 0.75			
3	SE	104+44.9	8.1 RT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LEDs 1-PED LED	N/A	2 1/2" BUTTON	S1-1 36"x36" 9.0 W16-7pR 24"x12" 2.0 R10-25 9x12" 0.75			
4	SE	104+30.5	47.4 RT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LEDs 1-PED LED	X	2 1/2" BUTTON	S1-1 36"x36" 9.0 W16-7pL 24"x12" 2.0 R10-25 9x12" 0.75			
5	NE	106+75.7	46.1 RT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LEDs 1-PED LED	X	2 1/2" BUTTON	S1-1 36"x36" 9.0 W16-7pL 24"x12" 2.0 R10-25 9x12" 0.75			
6	NE	106+67.7	5.4 RT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LEDs 1-PED LED	N/A	2 1/2" BUTTON	S1-1 36"x36" 9.0 W16-7pR 24"x12" 2.0 R10-25 9x12" 0.75			
7	NW	106+54.5	2.2 LT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LEDs 1-PED LED	N/A	2 1/2" BUTTON	S1-1 36"x36" 9.0 W16-7pR 24"x12" 2.0 R10-25 9x12" 0.75			
8	NW	106+63.0	48.2 LT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LEDs 1-PED LED	N/A	2 1/2" BUTTON	S1-1 36"x36" 9.0 W16-7pL 24"x12" 2.0 R10-25 9x12" 0.75			
9	NW	109+51.2	31.9 LT	SIGNAL POST (SEE SHEET H28)	A	4.0'	X	N/A	N/A	N/A	S5-1 24"x48" 8.0 R2-6P 24"x18" 3.0			
10	NW	100+79.7	33.2 RT	SIGNAL POST (SEE SHEET H28)	A	4.0'	X	N/A	N/A	N/A	S5-1 24"x48" 8.0 R2-6P 24"x18" 3.0			
RRFB SIGN SUBTOTAL											116.0			

1. LOCATION OFFSETS ARE FROM C TO CENTER OF RRFB POLE.
2. POLE BASE A = SIGNAL BASE POST TYPE "A" (SEE T-31.00).
3. FOUND. DEPTH = FOUNDATION DEPTH.
4. RRFB AND SCHOOL FLASHER SPECIFIC DETAILS SEE SHEET H23.

JUNCTION BOX SCHEDULE

STATION	OFFSET	LOCATION	JUNCTION BOX				REMARKS
			BOX NO.	TYPE			
				IA	II	III	IV
104+23.0	41.1 LT		1		X		
104+47.6	2.4 RT		2		X		
104+34.8	47.5 RT		3		X		
104+30.9	61.0 RT		4		X		
105+50.8	121.1 RT		5		X		
106+10.0	90.2 RT		6		X		
106+62.6	46.9 RT		7		X		
106+52.8	3.6 RT		8		X		
106+59.5	50.4 LT		9		X		
107+77.0	62.1 LT		10		X		
108+98.3	47.8 LT		11		X		
109+51.7	44.9 LT		12		X		
102+26.5	64.5 RT		13		X		
101+70.0	63.0 RT		14		X		
100+89.7	47.1 RT		15		X		

SCHOOL FLASHER SIGNAL HEAD SCHEDULE

POLE/POST NO.	INDICATIONS									MOUNTING				REMARKS
	12" BALL			12" ARROW			8" BALL			MAST LOC. OFFSET	ARM ELEV. PLUMB.	SIDE MTNG. TYPE	TOP OF POST	
	R	YF	G	R	Y	YF	G	R	Y					
9	X												X	3 - 12" YELLOW FLASHING BALLS PER HEAD
10	X												X	3 - 12" YELLOW FLASHING BALLS PER HEAD

1. FLASHING SIGNAL HEAD LOCATED ON POST MOUNTED SIGNAL POLE WITH THE TOP AND BOTTOM FLASHERS FACING ADVANCING TRAFFIC. MIDDLE FLASHER TO FACE OPPOSITE DIRECTION.
2. YF = YELLOW FLASHING BALL

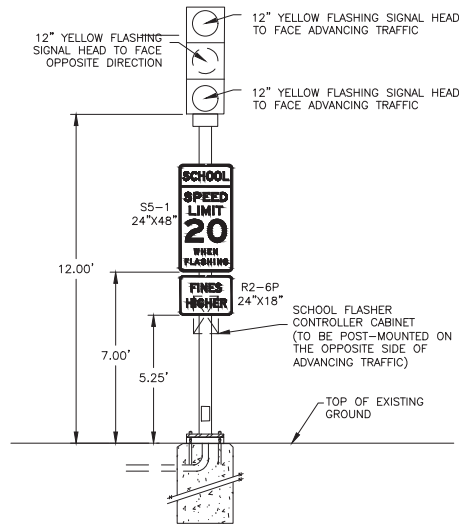
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
2.15.23
 Signature Date



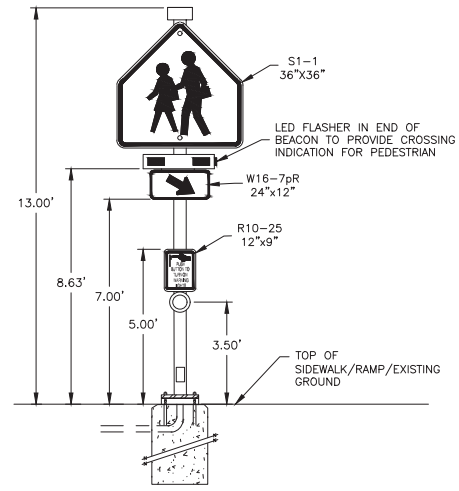
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS
 MEMORIAL DRIVE SCHEDULES

FIRM: KITELESON AND ASSOCIATES, INC. ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 846-7895 DESIGNED: KOPFORNAL CHECKED: ROOS DRAFTED: KOPFORNAL
 FILE: H:\22\22336 - Mendonhall Loop Ref Final Design\design_CD\67622_H_RRFBL.dwg DATE: 04/08/2019 LAYOUT: H25

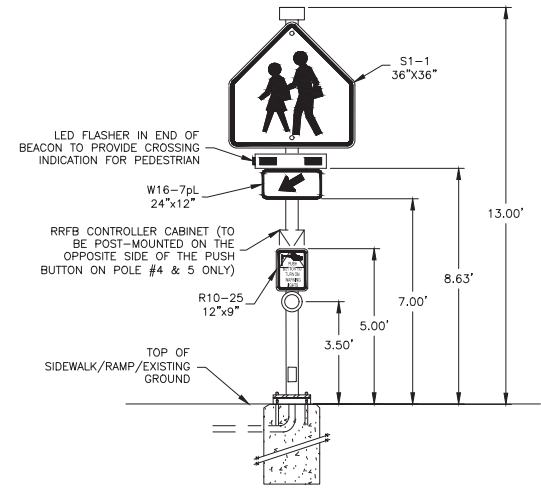
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H25	H29




SIGNAL POST WITH SCHOOL FLASHER
 POLE 9 & 10
 (NOT TO SCALE)



RECTANGULAR RAPID FLASHING BEACON DETAIL
 POLE 2, 3, 6, 7
 (NOT TO SCALE)



RECTANGULAR RAPID FLASHING BEACON DETAIL
 POLE 1, 4, 5, 8
 (NOT TO SCALE)

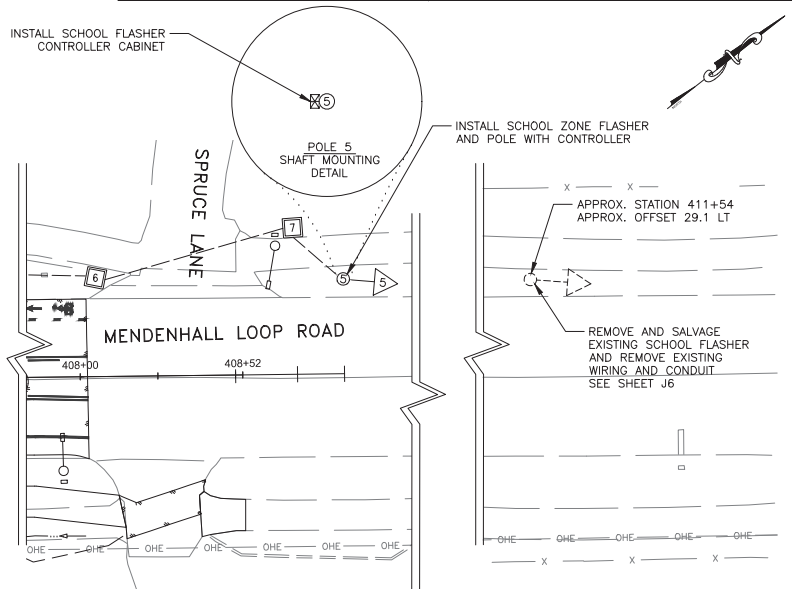
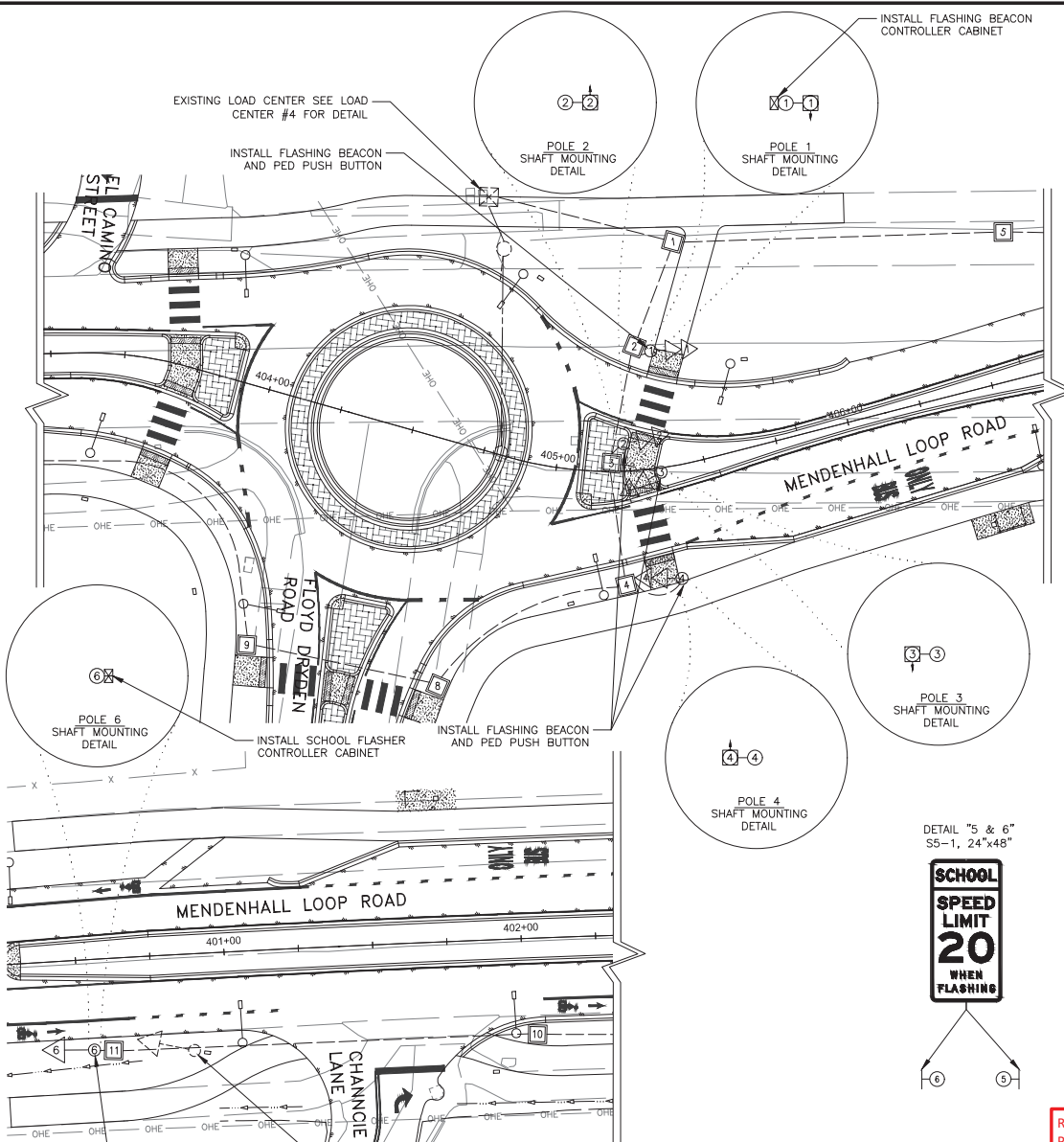
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

 Signature Date: 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDONHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 RECTANGULAR RAPID
 FLASHING BEACON DETAIL

PRINT: KITTLESON AND ASSOCIATES, INC. ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 846-7895 DESIGNED: KOPFORAAL CHECKED: ROOS DRAFTED: KOPFORAAL
 FILE: H:\22\222336 - Mendenhall Loop Ref Final Design\design_CD\67622_MRRFB.dwg DATE: 04/08/2019 LAYOUT: H26 CERTIFICATE OF AUTH # 137243

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H26	H29



REMOVE AND SALVAGE EXISTING SCHOOL FLASHER AND REMOVE EXISTING WIRING FROM CONDUIT
 INSTALL SCHOOL ZONE FLASHER AND POLE WITH CONTROLLER

DETAIL "5 & 6"
 S5-1, 24"x48"



DETAIL "3"
 S1-1, 36"x36"
 W16-7pR, 24"x12"



DETAIL "4"
 S1-1, 36"x36"
 W16-7pL, 24"x12"



DETAIL "1"
 S1-1, 36"x36"
 W16-7pL, 24"x12"



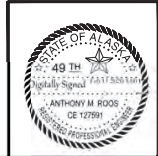
DETAIL "2"
 S1-1, 36"x36"
 W16-7pR, 24"x12"



RECTANGULAR RAPID FLASHING BEACON SIGN PLACEMENT



Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 Signature: *Jim Bergan* Date: 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
FLOYD DRYDEN ACCESS ROAD FLASHING BEACON PLAN
 (ADD. ALT. 1)

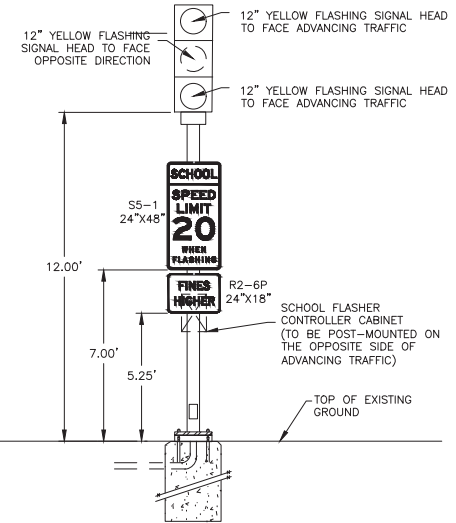
FIRM: KITELESON AND ASSOCIATES, INC. ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 846-7995 DESIGNED: KOPFORNAL CHECKED: ROOS DRAINED: KOPFORNAL
 FILE: H:\22\22336 - Mendonhall Loop Ref Final Design\Design_CD\07622_H_RRFBL.dwg DATE: 04/08/2019 LAYOUT: H28 CERTIFICATE OF AUTH. #: 137243

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H28	H29

RECTANGULAR RAPID FLASHING BEACON (RRFB) AND SCHOOL FLASHER DESIGN SCHEDULE

POLE NO.	CORNER	LOCATION		POLE			SCHOOL FLASHER CONTROLLER	RRFB DEVICE	RRFB CONTROLLER	PUSH BUTTON	POLE-MOUNTED SIGNS			REMARKS
		STATION	OFFSET	TYPE	BASE	FOUND. DEPTH					ASDS CODE	SIZE HxV	AREA (SQ FT)	
1	NE	405+38.1	39.4 LT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LED 1-PED LED	X	2 1/2" BUTTON	S1-1 W16-7pL R10-25	36"x36" 24"x12" 9"x12"	9.0 2.0 0.75	
2	NE	405+23.0	9.2 LT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LED 1-PED LED	N/A	2 1/2" BUTTON	S1-1 W16-7pR R10-25	36"x36" 24"x12" 9"x12"	9.0 2.0 0.75	
3	NE	405+35.1	1.4 RT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LED 1-PED LED	N/A	2 1/2" BUTTON	S1-1 W16-7pR R10-25	36"x36" 24"x12" 9"x12"	9.0 2.0 0.75	
4	NE	405+36.8	37.8 RT	SIGNAL POST (SEE SHEET H28)	A	4.0'	N/A	2-MAIN LED 1-PED LED	N/A	2 1/2" BUTTON	S1-1 W16-7pL R10-25	36"x36" 24"x12" 9"x12"	9.0 2.0 0.75	
5	NE	408+85.1	30.5 LT	SIGNAL POST (SEE SHEET H28)	A	4.0'	X	N/A	N/A	N/A	S5-1 R2-6P	24"x48" 24"x18"	8.0 3.0	
6	SE	400+54.6	30.5 RT	SIGNAL POST (SEE SHEET H28)	A	4.0'	X	N/A	N/A	N/A	S5-1 R2-6P	24"x48" 24"x18"	8.0 3.0	
SUBTOTAL RRFB SIGNS												69.0		

1. LOCATION OFFSETS ARE FROM C TO CENTER OF RRFB POLE.
2. POLE BASE A = SIGNAL BASE POST TYPE "A" (SEE T-31.00).
3. FOUND. DEPTH = FOUNDATION DEPTH.
4. RRFB AND SCHOOL FLASHER SPECIFIC DETAILS SEE SHEET H26.



SIGNAL POST WITH SCHOOL FLASHER
POLE 5 & 6
(NOT TO SCALE)

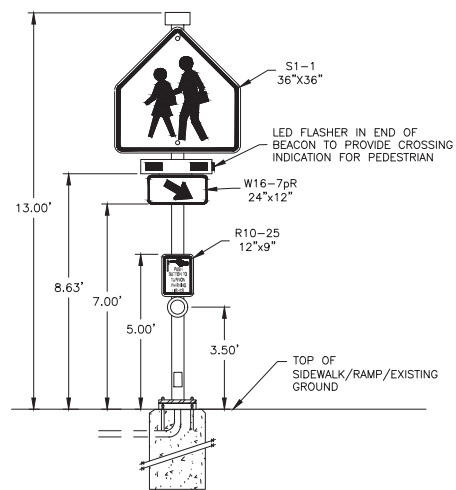
SCHOOL FLASHER SIGNAL HEAD SCHEDULE

POLE/POST NO.	INDICATIONS									MOUNTING				REMARKS	
	12" BALL			12" ARROW			8" BALL			MAST ARM	SIDE MTING.	TOP OF POST			
	R	YF	G	R	Y	YF	G	R	Y	G	LOC. OFFSET	ELEV. PLUMB.	TYPE		
5	X													X	3 - 12" YELLOW FLASHING BALLS PER HEAD
6	X													X	3 - 12" YELLOW FLASHING BALLS PER HEAD

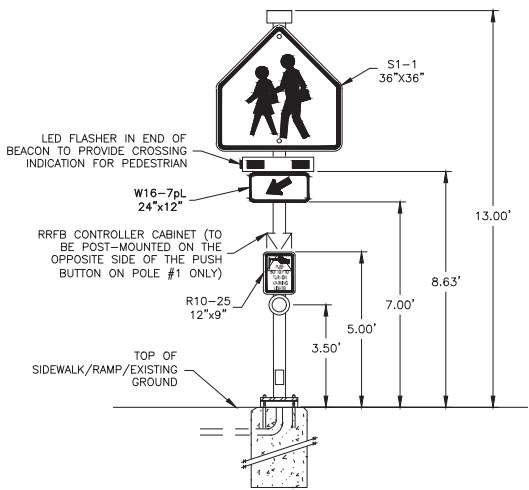
1. FLASHING SIGNAL HEAD LOCATED ON POST MOUNTED SIGNAL POLE WITH THE TOP AND BOTTOM FLASHERS FACING ADVANCING TRAFFIC. MIDDLE FLASHER TO FACE OPPOSITE DIRECTION.
2. YF = YELLOW FLASHING BALL

JUNCTION BOX SCHEDULE

STATION	OFFSET	BOX NO.	JUNCTION BOX TYPE				REMARKS
			IA	II	III	IV	
405+59.8	73.3 LT	1		X			
405+32.6	41.0 LT	2		X			
405+19.8	2.4 LT	3		X			
405+26.8	38.7 RT	4		X			
406+67.1	50.5 LT	5		X			
408+05.6	33.4 LT	6		X			
408+72.0	46.0 LT	7		X			
404+82.9	82.2 RT	8		X			
404+14.7	86.5 RT	9		X			
402+3.9	33.7 RT	10		X			
400+59.5	30.5 RT	11		X			



RECTANGULAR RAPID FLASHING BEACON DETAIL
POLE 2 & 3
(NOT TO SCALE)



RECTANGULAR RAPID FLASHING BEACON DETAIL
POLE 1 & 4
(NOT TO SCALE)

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergan 2.15.23
 Signature Date

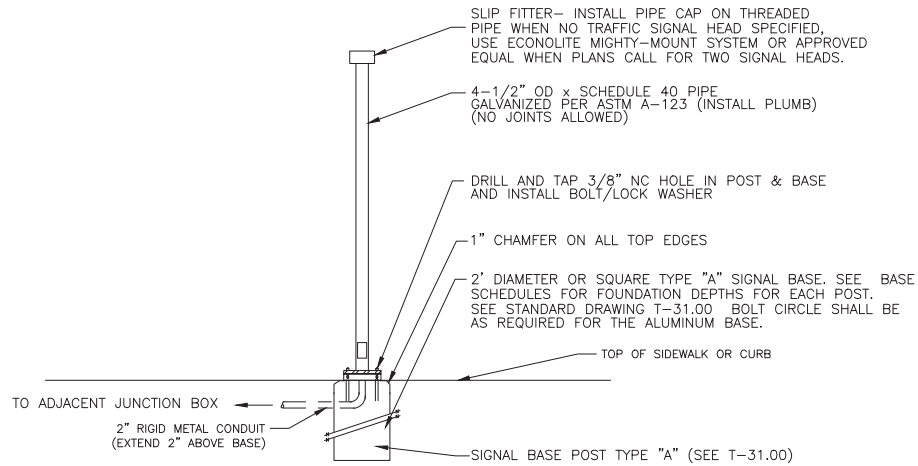


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDONHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 FLOYD DRYDEN ACCESS ROAD
 SCHEDULE (ADD. ALT. 1)

FIRM: KITTLESON AND ASSOCIATES, INC. ADDRESS: 1600 A STREET, SUITE 105, ANCHORAGE, AK 99501 PHONE: (907) 846-7895 CERTIFICATE OF AUTH # 137243
 FILE: H:\22\222336 - Mendenhall Loop - Mendenhall Loop Ref Final Design\design_CD\67622_M_PRRF.dwg DATE: 04/08/2019 LAYOUT: H29 DESIGNED: KORPORAL CHECKED: ROOS DRAFTED: KORPORAL

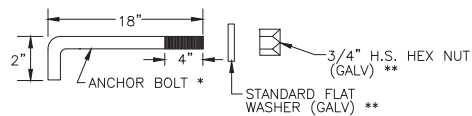
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	H29	H29

SIGNAL POST DETAIL



MATERIAL LIST *
1 TWO FOOT DIAMETER OR SQUARE x 4' BASE & 4 ANCHOR BOLTS, AND ONE 3" CONDUIT
1- POST TOP SLIP FITTER, (SEE STANDARD DRAWING T-30.11)

ANCHOR BOLTS



* MEETS ASTM A-572 GALVANIZED PER ASTM A-153
 ** MEETS ASTM A-325 GALVANIZED

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Benjamin
 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 SIGNAL POST DETAIL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J1	J21

INDEX	
Sheet Number	Sheet Title
J1	TITLE, LEGEND, INDEX, AND GENERAL NOTES
J2	EXISTING ELECTRICAL SITE PLAN STA SR RAB 91+37 TO 100+75
J3	EXISTING ELECTRICAL SITE PLAN STA SR RAB 100+75 TO 108+90
J4	EXISTING ELECTRICAL SITE PLAN STA SR RAB 108+90 TO 115+64
J5	EXISTING ELECTRICAL SITE PLAN STA FD RAB 395+23 TO 402+80
J5A	EXISTING ELECTRICAL SITE PLAN STA FD RAB 395+23 TO 402+80 (ADD. ALT. 1)
J6	EXISTING ELECTRICAL SITE PLAN STA FD RAB 402+80 TO 410+34
J6A	EXISTING ELECTRICAL SITE PLAN STA FD RAB 402+80 TO 410+34 (ADD. ALT. 1)
J7	NEW ELECTRICAL SITE PLAN STA SR RAB 91+37 TO 100+75
J8	NEW ELECTRICAL SITE PLAN STA SR RAB 100+75 TO 108+90
J9	NEW ELECTRICAL SITE PLAN STA SR RAB 108+90 TO 115+64
J10	NEW ELECTRICAL SITE PLAN STA FD RAB 395+23 TO 402+80
J10A	NEW ELECTRICAL SITE PLAN STA FD RAB 395+23 TO 402+80 (ADD. ALT. 1)
J11	NEW ELECTRICAL SITE PLAN STA FD RAB 402+80 TO 410+34
J11A	NEW ELECTRICAL SITE PLAN STA FD RAB 402+80 TO 410+34 (ADD. ALT. 1)
J12	EXISTING PLAN STA SR RAB 100+75 TO 108+90 UTILITY CONFLICTS
J13A	EXISTING PLAN STA FD RAB 401+52 TO 409+12 UTILITY CONFLICTS (ADD. ALT. 1)
J14	NEW PLAN STA SR RAB 100+75 TO 108+90 UTILITY RESOLUTIONS
J15A	NEW PLAN STA FD RAB 401+52 TO 409+12 UTILITY RESOLUTIONS (ADD. ALT. 1)
J16	ELECTROLIER AND JUNCTION BOX DETAILS
J17	TRENCH DETAILS
J18	ELECTROLIER SCHEDULE
J19	ELECTROLIER AND JUNCTION BOX SUMMARIES
J19A	ELECTROLIER AND JUNCTION BOX SUMMARIES (ADD. ALT. 1)
J20	EXISTING LOAD CENTER SUMMARIES
J21	NEW LOAD CENTER SUMMARIES

LEGEND	
AEL&P	ALASKA ELECTRIC LIGHT & POWER
APPROX	APPROXIMATELY
C	CONDUIT
CKT	CIRCUIT
CU	BARE COPPER
C/B	CIRCUIT BREAKER
	CIRCUIT BREAKER (AMPS/POLES)
	CONTACTOR
DIA.	DIAMETER
DIST	DISTANCE
ELEC	ELECTRICAL
EXTG	EXISTING
ELECTROLIER	LIGHT POLE, LIGHT POLE BASE FOUNDATION, AND LUMINAIRE
GALV.	GALVANIZED

LEGEND	
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL
HOA	HAND-OFF-AUTO
	HAND-OFF-AUTO SWITCH
J-BOX	JUNCTION BOX
LTG	LIGHT
	LIGHTING CONTACTOR
	LIGHT POLE WITH LUMINAIRE
	LIGHT POLE, EXISTING
MAX	MAXIMUM
	METER
MIN	MINIMUM

LEGEND	
NEC	NATIONAL ELECTRICAL CODE
NO.	NUMBER
OD	OUTSIDE DIAMETER
PED	PEDESTAL
	PHOTOCELL
PVC	POLYVINYL CHLORIDE CONDUIT
	RECEPTACLE
REC	RECEPTACLE
TYP-#	TYPICAL
XFMR	TRANSFORMER
UNK	UNKNOWN
	UTILITY POLE
-OHE-	UTILITY - OVERHEAD ELECTRICAL
-E-	UTILITY - UNDERGROUND ELECTRICAL

GENERAL NOTES:

- PERFORM ALL WORK PER NATIONAL ELECTRICAL CODE (NEC), 2017 EDITION.
- PERFORM ALL WORK AS SHOWN ON DRAWINGS AND AS REQUIRED TO PROVIDE OPERATIONAL SYSTEMS.
- COORDINATE WITH POWER, TELEPHONE, AND TELEVISION UTILITIES TO ALLOW THEM TO PERFORM THEIR WORK. UTILITY WORK WILL BE PAID FOR BY OTHERS. DO NOT INSTALL ANYTHING IN CONFLICT WITH UTILITIES. BRING ALL CONFLICTS TO THE ATTENTION OF THE ENGINEER. OBTAIN LOCATES BEFORE WORKING TO AVOID NEWLY INSTALLED UTILITIES. POWER, TELEPHONE, AND TV UTILITY FACILITY DRAWINGS ON SHEETS J12 - J15A ARE SHOWN TO INFORM THE CONTRACTOR WHERE AND HOW THEY WILL BE INSTALLED TO ALLOW FOR PROPER COORDINATION. THE POWER, TELEPHONE AND TV UTILITY COMPANIES WILL INSTALL THEIR FACILITIES, NOT THE CONTRACTOR.
- ALL CONDUIT SHALL BE SCHEDULE 40 PVC EXCEPT ALL ROAD CROSSINGS SHALL BE SCHEDULE 80 PVC. PROVIDE SCHEDULE 80 PVC WITHIN 10' OF LIGHT POLE FOUNDATIONS, TYPE 1A JUNCTION BOXES AND CONCRETE STRUCTURES. INSTALL CONDUIT PER TRENCH DETAIL, SHEET J17.
- ALL WIRING SHALL BE IN CABLE WITH COPPER CONDUCTOR, 600V RATED XHHW INSULATION, AND OVERALL PVC JACKET. PROVIDE ADDITIONAL BARE GROUND. USE BARE GROUND TO GROUND TYPE 1A JUNCTION BOXES, LIGHT POLES, FOUNDATIONS, ETC. BOND GROUND INSIDE CABLE TO LOAD CENTER AND LIGHT POLES.
- LOCATE EQUIPMENT WHERE SHOWN ON THE STATION AND OFFSET TABLES, SEE SHEET J19.
- THE EXISTING STREET LIGHTING, STREET SIGNALS, ETC. CIRCUITING IS BASED ON THE ORIGINAL DRAWINGS AND MAY NOT BE WHERE SHOWN. OBTAIN PRIVATE LOCATES BEFORE CONSTRUCTION AND PROTECT CONDUIT, EQUIPMENT, ETC. TO REMAIN. ADJUST NEW CONDUIT ROUTING AS REQUIRED TO INTERCEPT, EXTEND, AND RE-USE EXISTING CONDUIT, ETC.
- THE BASE BID DOES NOT INCLUDE THE NEW ROUNDABOUT AT FLOYD DRYDEN. HOWEVER THE LOAD CENTER AT MCGINNIS DRIVE (NO. 3) IS REMOVED UNDER THE BASE BID. THE LIGHT POLES THAT WERE FED BY LOAD CENTER NO. 3 ARE RE-FED FROM RELOCATED LOAD CENTER NO. 2 (HALOFF WAY) OR LOAD CENTER NO. 5 (VALLEY BLVD) IN THE BASE BID. THE FLOYD DRYDEN ROUNDABOUT IS IN ADDITIVE ALTERNATE NO. 1 (ADD. ALT. 1). IN ADD. ALT. 1 THE LIGHT POLES THAT WERE TO BE FED BY LOAD CENTER NO. 5 IN THE BASE BID ARE EITHER REMOVED OR FED BY LOAD CENTER NO. 4 (FLOYD DRYDEN).

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

Jim Bergan 2.15.23
Signature Date

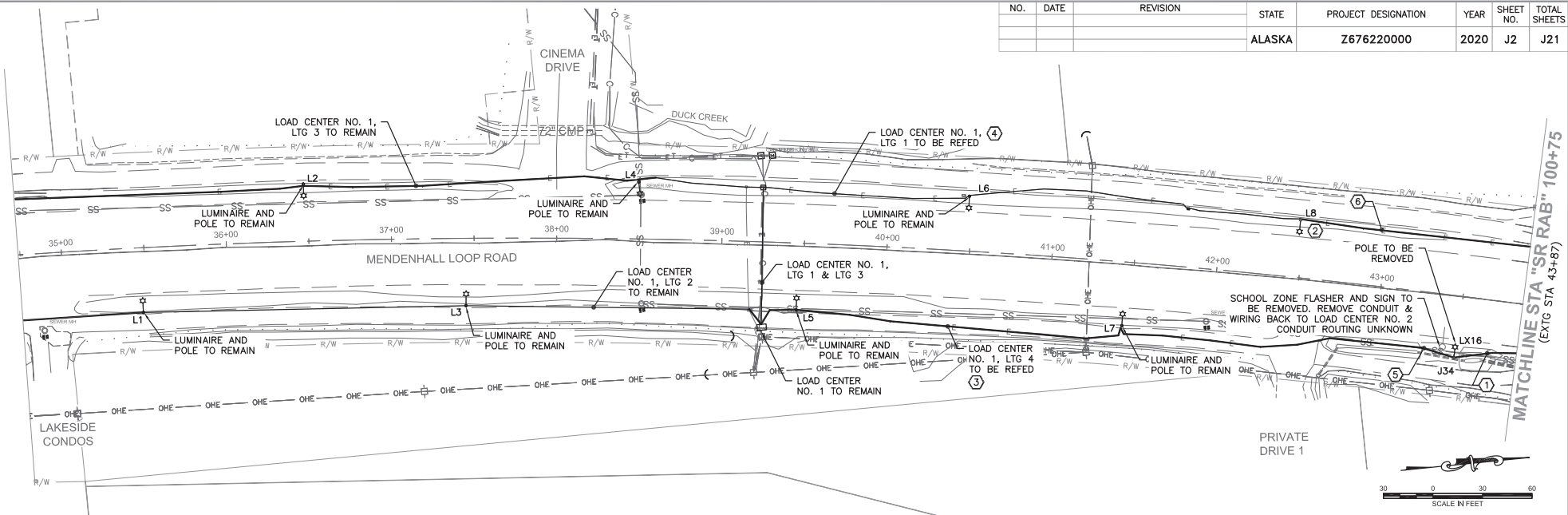


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

TITLE, LEGEND, INDEX,
AND GENERAL NOTES

FIRM: MORRIS ENGINEERING GROUP, INC. | PHONE: (907) 289-3350 | CHECKED: MORRIS | DRAFTED: WATKINS
 JORDAN AVE #7, JUNEAU, AK 99801 | DESIGNED: MORRIS | DATE: 02/14/2020 | LAYOUT: JZ
 FILE: P:\139 user engineering\32 residential loop road improvements\working drawings\10-2021-01-08-70796.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J2	J21



NOTES:

- ① REMOVE CONDUIT AND CONDUCTORS FEEDING POLES THAT ARE BEING REMOVED.
- ② EXISTING LIGHT POLE, LUMINAIRE TO BE REPLACED. SEE ELECTROLIER SCHEDULE FOR INFORMATION.
- ③ DISCONNECT CIRCUIT LTG 4 FROM LOAD CENTER NO. 1. ELECTROLIERS L5, L7, L9 TO BE FED FROM RELOCATED LOAD CENTER NO. 2. REMOVE CONDUCTORS FROM LOAD CENTER NO. 1 TO L5. LEAVE PULL STRING IN CONDUIT. LABEL EACH END.
- ④ DISCONNECT CIRCUIT LTG 1 FROM LOAD CENTER NO. 1. ELECTROLIERS L6 & L8 TO BE FED FROM RELOCATED LOAD CENTER NO. 2. REMOVE CONDUCTORS FROM LOAD CENTER NO. 1 TO L6. LEAVE PULL STRING IN EMPTY CONDUIT. LABEL EACH END.
- ⑤ EXTEND EXISTING CONDUIT TO NEW JUNCTION BOX J1 AT LIGHT POLE L9. PROVIDE (1) 4 NO. 8 & 1 NO. 8 GND CABLE WITH 1 NO. 8 BARE COPPER SOLID GROUND TO POWER L7.
- ⑥ EXTEND EXISTING CONDUIT TO NEW JUNCTION BOX J2 AT LIGHT POLE L11. SEE SHEET J8. PROVIDE (1) 4 NO. 8 & 1 NO. 8 GND CABLE WITH 1 NO. 8 BARE COPPER SOLID GROUND TO POWER L8.

Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
 2.15.23
 Signature Date

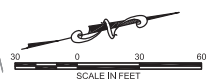
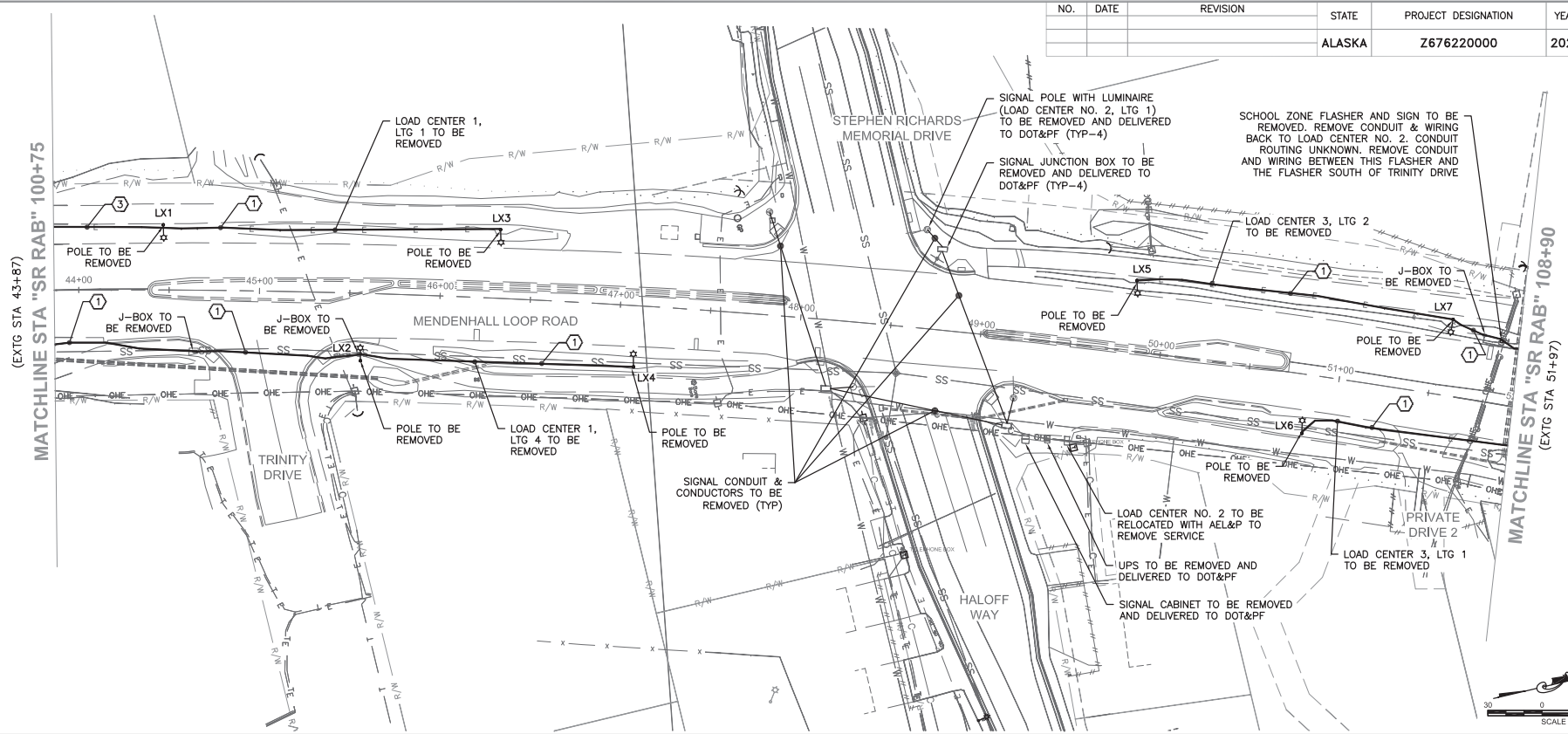


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 EXISTING ELECTRICAL SITE PLAN
 STA SR RAB 91+37 TO 100+75

MATCHLINE STA "SR RAB" 100+75
 (EXTG STA 43+87)

FERRI MORRIS ENGINEERING GROUP, INC. | JORDAN AVE #7, JUNEAU, AK 99801 | PHONE (907) 799-3350 | CERTIFICATE OF AUTH # AEL0100
 FILE P:\2019\new\engineering\2020\road\improvements\working\Drawings\100+75 to 108+90\100+75.dwg | DATE 02/14/2020 | LAYOUT JJ | DESIGNED MORRIS | CHECKED MORRIS | DRAFTED WATKINS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J3	J21



- NOTES:
- ① REMOVE CONDUIT AND CONDUCTORS FEEDING POLES THAT ARE BEING REMOVED.
 - ② NOT USED.
 - ③ EXTEND EXISTING CONDUIT TO NEW JUNCTION BOX J2 AT LIGHT POLE L11. SEE SHEET J8. PROVIDE (1) 4 NO. 8 & 1 NO. 8 GND CABLE WITH 1 NO. 8 BARE COPPER SOLID GROUND TO POWER LB.

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

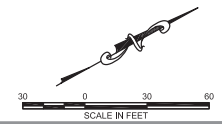
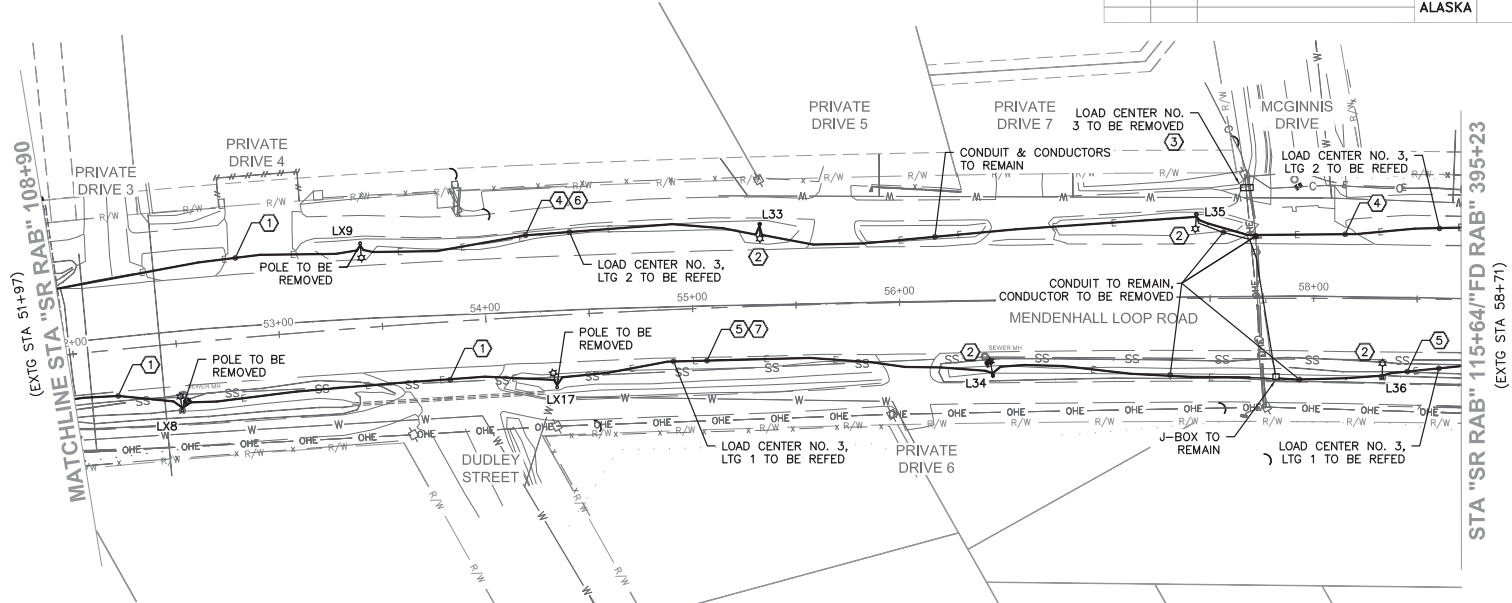
Jim Bergan 2.15.23
 Signature Date




STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 EXISTING ELECTRICAL SITE PLAN
 STA SR RAB 100+75 TO 108+90

FIRM | MORRIS ENGINEERING GROUP, INC. | 21120 1st Avenue, Anchorage, Alaska 99503 | PHONE | (907) 289-3350 | CHECKED | MORRIS | DESIGNED | MORRIS | LAYOUT | J4 | DATE | 02/14/2020 | JORDAN AVE #7 | JUNEAU, AK 99801 | CERTIFICATE OF AUTH # | AEC1010
 FILE | P:\2020\1st Avenue\102\mendenhall\loop\road\improvements\working\Drawings\102-101-01-00-7076.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J4	J21



- NOTES:
- ① REMOVE CONDUIT AND CONDUCTORS FEEDING POLES THAT ARE BEING REMOVED.
 - ② EXISTING LIGHT POLE, LUMINAIRE TO BE REPLACED. SEE ELECTROLIER SCHEDULE FOR INFORMATION.
 - ③ COORDINATE WITH AEL&P TO REMOVE SERVICE TO LOAD CENTER NO. 3.
 - ④ DISCONNECT LTG 2 FROM LOAD CENTER NO. 3. FEED L33 AND L35 FROM LOAD CENTER NO. 2, LTG 4. FEED L37, L39, AND L40 FROM LOAD CENTER NO. 4, LTG 1. SEE SHEETS J9 AND J10.
 - ⑤ DISCONNECT LTG 1 FROM LOAD CENTER NO. 3. FEED L34 FROM LOAD CENTER NO. 2, LTG 2. FEED L36 AND L38 FROM LOAD CENTER NO. 4, LTG 2. SEE SHEETS J9 AND J10.
 - ⑥ EXTEND CONDUIT TO J20 AT POLE L31. PROVIDE NEW 4 NO. 8 & 1 NO. 8 GND CABLE AND 1 NO. 8 BARE COPPER SOLID GROUND BETWEEN L33 AND L31.
 - ⑦ EXTEND CONDUIT TO J38 AT POLE L32. PROVIDE NEW 4 NO. 8 & 1 NO. 8 GND CABLE AND 1 NO. 8 BARE COPPER SOLID GROUND BETWEEN L32 AND L34. PLAN ON NEW CONDUIT THE ENTIRE DISTANCE WITH NEW CONDUCTORS.

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

 Signature Date 2.15.23



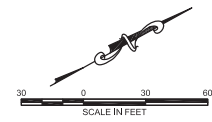
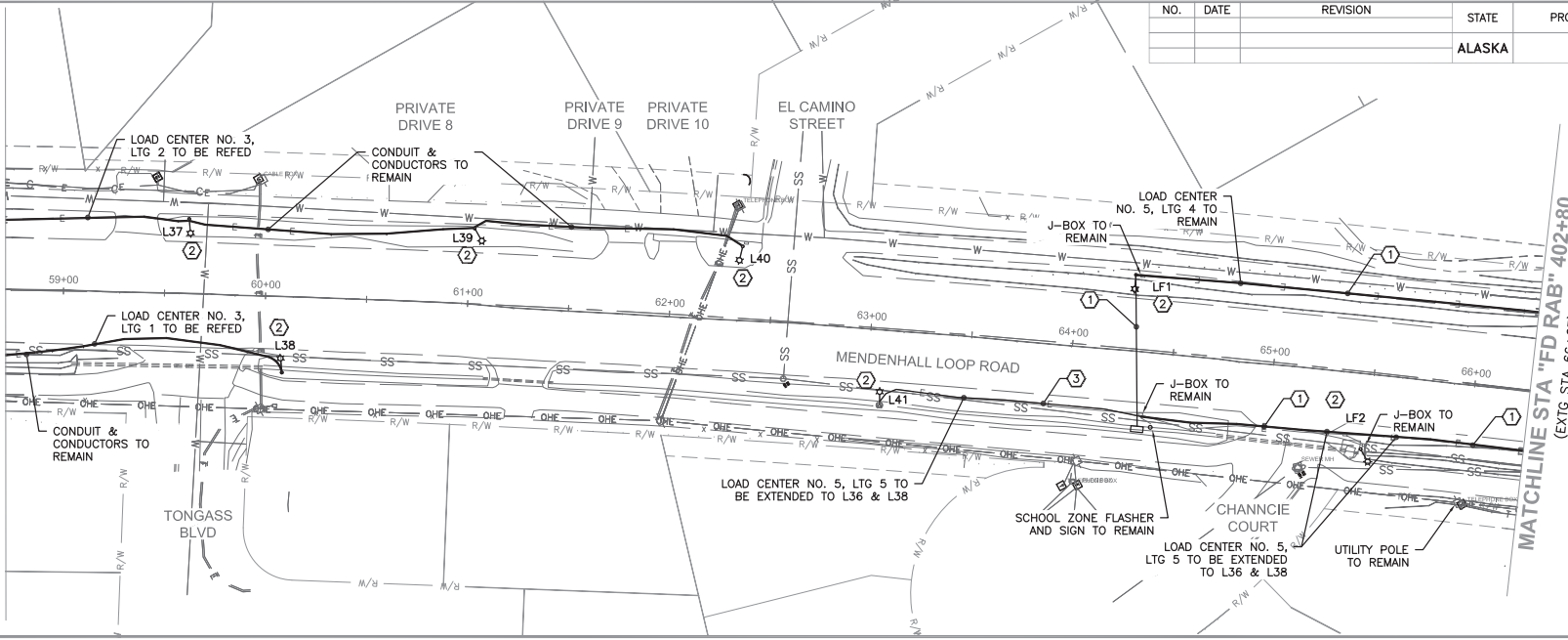
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 EXISTING ELECTRICAL SITE PLAN
 STA SR RAB 108+90 TO 115+64

FIRM: MORRIS ENGINEERING GROUP, INC. | PHONE: (907) 298-3350 | CERTIFICATE OF AUTH. #: ACCL0100
 FILE: P:\2020\new\engineering\2020\road\improvements\working\Drawings\ACCL-CL-RB-2020.dwg | DESIGNED: MORRIS | CHECKED: MORRIS | DRAFTED: WATKINS
 JORDAN AVE #7, JUNEAU, AK 99801 | DATE: 02/14/2020 | LAYOUT: JS


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J5	J21

STA "SR RAB" 115+64/"FD RAB" 395+23
(EXTG STA 58+71)

MATCHLINE STA "FD RAB" 402+80
(EXTG STA 66+27)



- NOTES:
- ① EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
 - ② EXISTING LIGHT POLE, LUMINAIRE TO BE REPLACED. SEE ELECTROPLIER SCHEDULE FOR INFORMATION.
 - ③ EXTEND CONDUIT TO J22 AT LIGHT POLE L43. PROVIDE 4 NO. 8 AND 1 NO. 8 GND CABLE AND 1 NO. 8 BARE COPPER SOLID GROUND TO POWER L41. SEE SHEETS J10 AND J11. PROVIDE NEW CONDUIT AS REQUIRED.

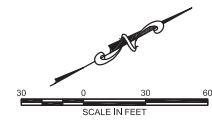
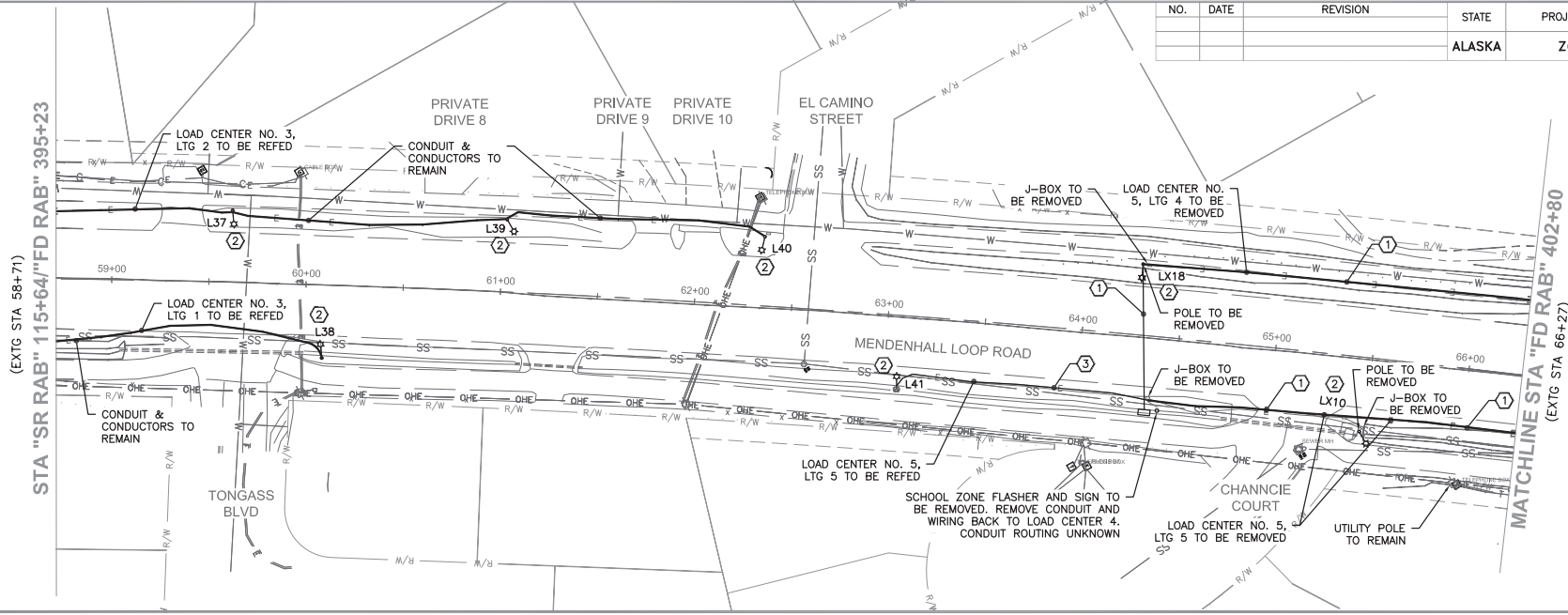
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 EXISTING ELECTRICAL SITE PLAN
 STA FD RAB 395+23 TO 402+80

FIRM: MORRIS ENGINEERING GROUP, INC. FILE: P:\139 user engineering\139 mendenhall loop road improvements\working drawings\139-2614-c1-rb-7076.dwg
 PHONE: (907) 298-3350 DESIGNED: MORRIS CHECKED: MORRIS DRAFTED: WATKINS
 JORDAN AVE #7, JUNEAU, AK 99801 DATE: 02/14/2020 LAYOUT: JSA
 CERTIFICATE OF AUTH # ACCL010

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J5A	J21



NOTES:

- ① REMOVE CONDUIT AND CONDUCTORS FEEDING POLES THAT ARE BEING REMOVED.
- ② EXISTING LIGHT POLE, LUMINAIRE TO BE REPLACED. SEE ELECTROLIER SCHEDULE FOR INFORMATION.
- ③ EXTEND CONDUIT TO J22 AT LIGHT POLE L43. PROVIDE 4 NO. 8 AND 1 NO. 8 GND CABLE AND 1 NO. 8 BARE COPPER SOLID GROUND TO POWER L41. SEE SHEETS J10A AND J11A. PROVIDE NEW CONDUIT AS REQUIRED.

ALL WORK ON THIS SHEET TO BE DONE IF ADDITIVE ALTERNATE IS AWARDED.

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

Jim Bergan 2.15.23
 Signature Date

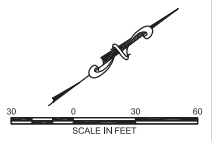
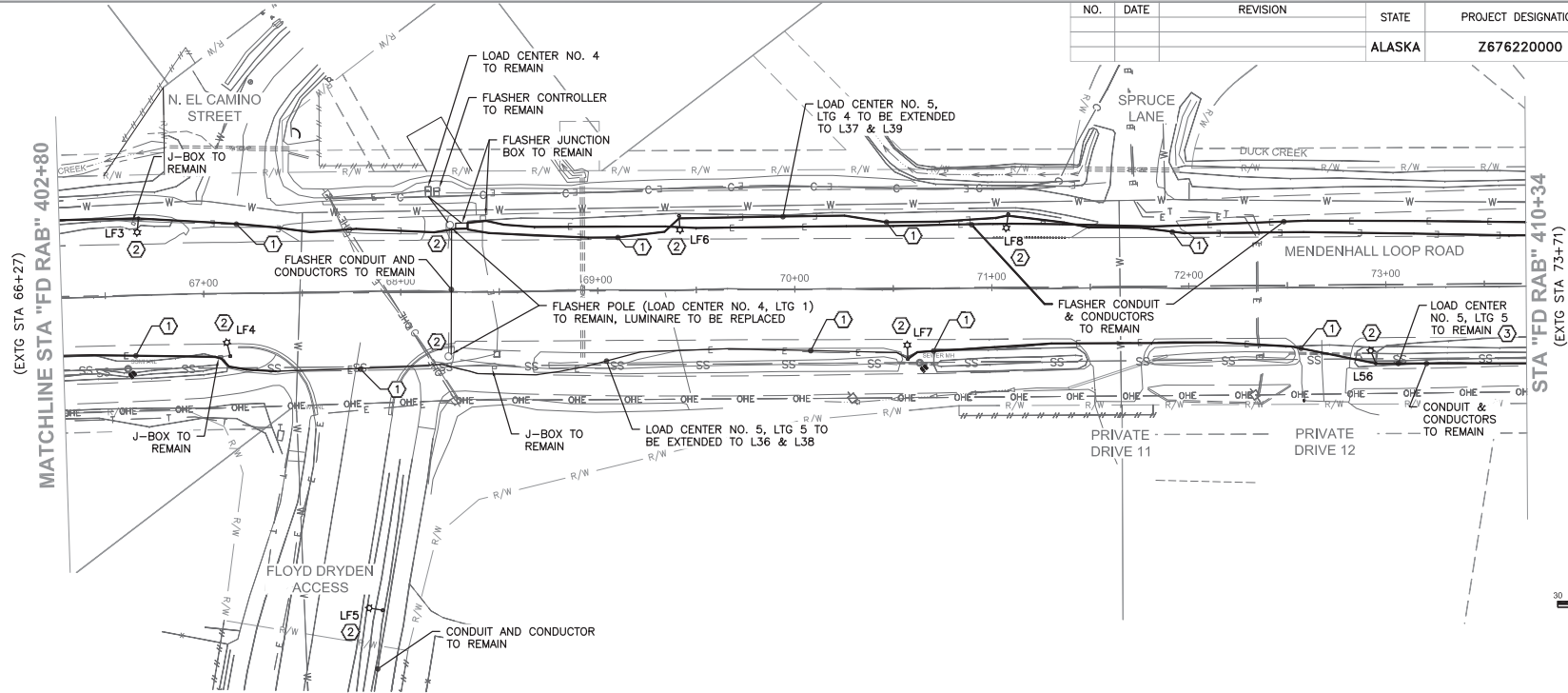


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**


EXISTING ELECTRICA SITE PLAN STA
 FD RAB 395+23 TO 402+80
 (ADD. ALT. 1)

FIRM MORRIS ENGINEERING GROUP, INC. FILE J:\138 user engineering\138 mendenhall loop road improvements\working drawings\402+80 to 410+34\138-201706.dwg
 DATE 02/14/2020 LAYOUT JB
 PHONE (907) 298-3350 DESIGNED MORRIS CHECKED MORRIS
 JORDAN AVE #7 JUNEAU AK 99801
 CERTIFICATE OF AUTH # ACCL010 DRAFTED WAKTS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J6	J21



- NOTES:
- ① EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
 - ② EXISTING LIGHT POLE, LUMINAIRE TO BE REPLACED. SEE ELECTROLIER SCHEDULE FOR INFORMATION.
 - ③ LOAD CENTER NO. 5 IS LOCATED ON NE CORNER OF MENDENHALL LOOP ROAD AND VALLEY BLVD INTERSECTION. NO WORK IS BEING DONE AT THIS LOAD CENTER.

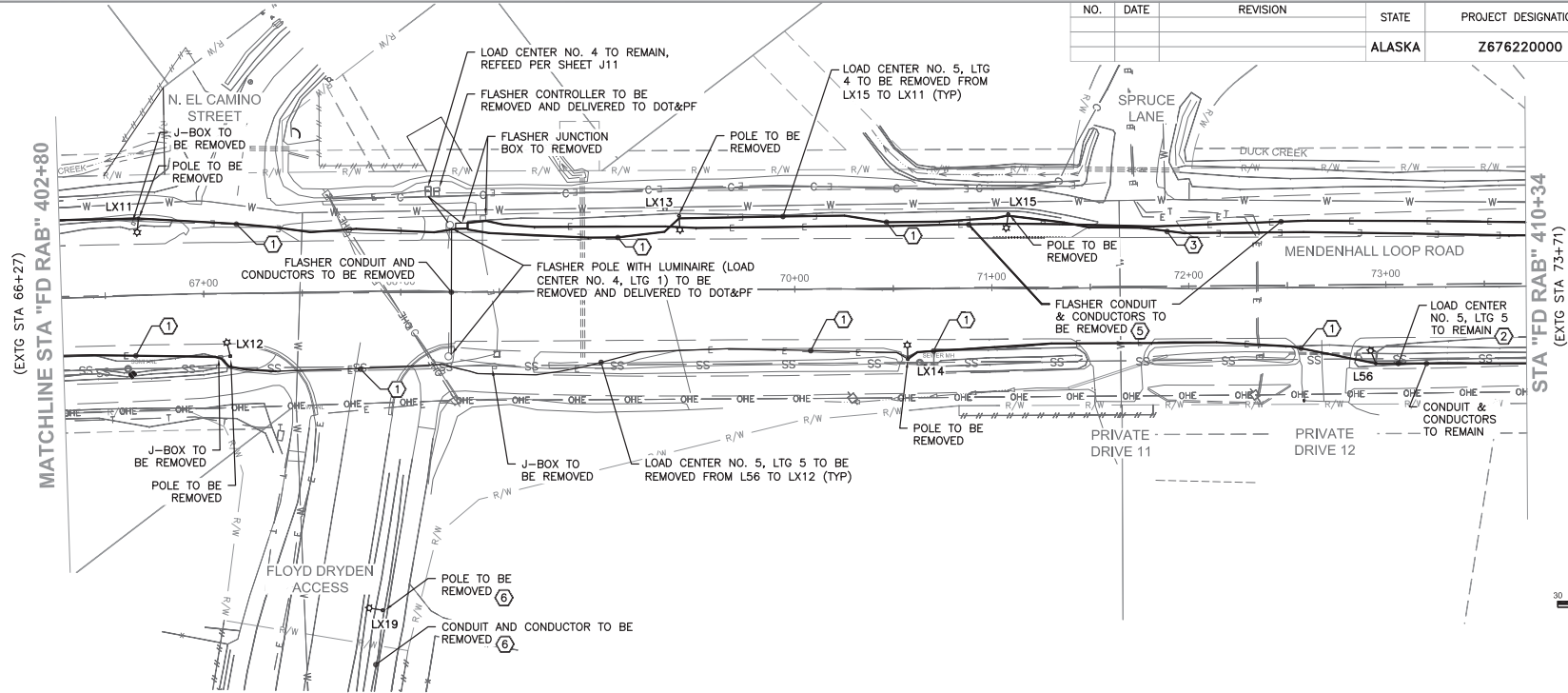
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 EXISTING ELECTRICAL SITE PLAN
 STA FD RAB 402+80 TO 410+34

FIRM MORRIS ENGINEERING GROUP, INC. FILE: P:\130 (new engineering)\02 mendenhall loop road improvements\working drawings\410+80-410+34.rvt
 PROJECT: JORDAN AVE #7, JUNEAU, AK 99801 DATE: 02/14/2020 LAYOUT: JBA
 PHONE: (907) 598-3350 DESIGNED: MORRIS CHECKED: MORRIS
 CERTIFICATE OF AUTH # ACCL010 DRAFTED: WAKTS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J6A	J21



- NOTES:
- ① REMOVE CONDUIT AND CONDUCTORS FEEDING POLES THAT ARE BEING REMOVED.
 - ② LOAD CENTER NO. 5 IS LOCATED ON NE CORNER OF MENDENHALL LOOP ROAD AND VALLEY BLVD INTERSECTION. NO WORK IS BEING DONE AT THIS LOAD CENTER.
 - ③ REMOVE CONDUIT FROM LX15 TO END OF PROJECT (APPROXIMATELY FD RAB 408). REMOVE CONDUCTORS TO THE NEXT POLE NORTH WHICH IS TO REMAIN.
 4. REMOVE SCHOOL ZONE FLASHER NORTH OF SPRUCE LANE. SEE SIGNAL SHEETS FOR EXACT LOCATION. REMOVE CONDUIT AND CONDUCTORS BETWEEN FLASHERS AND THE FLASHER SOUTH OF CHANNICIE COURT.
 - ⑤ REMOVE FLASHER CONDUIT TO END OF PROJECT (APPROXIMATELY FD RAB 408). REMOVE CONDUCTORS TO FLASHER NORTH OF PROJECT.
 - ⑥ REMOVE LIGHT POLE AND BASE. REMOVE CONDUIT BACK TO PROJECT LIMIT. REMOVE CONDUCTORS BACK TO NEXT POLE.

ALL WORK ON THIS SHEET TO BE DONE IF ADDITIVE ALTERNATE IS AWARDED.

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

Jim Bergman 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

EXISTING ELECTRICAL SITE PLAN
 STA FD RAB 402+80 TO 410+34
 (ADD. ALT. 1)

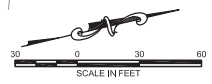
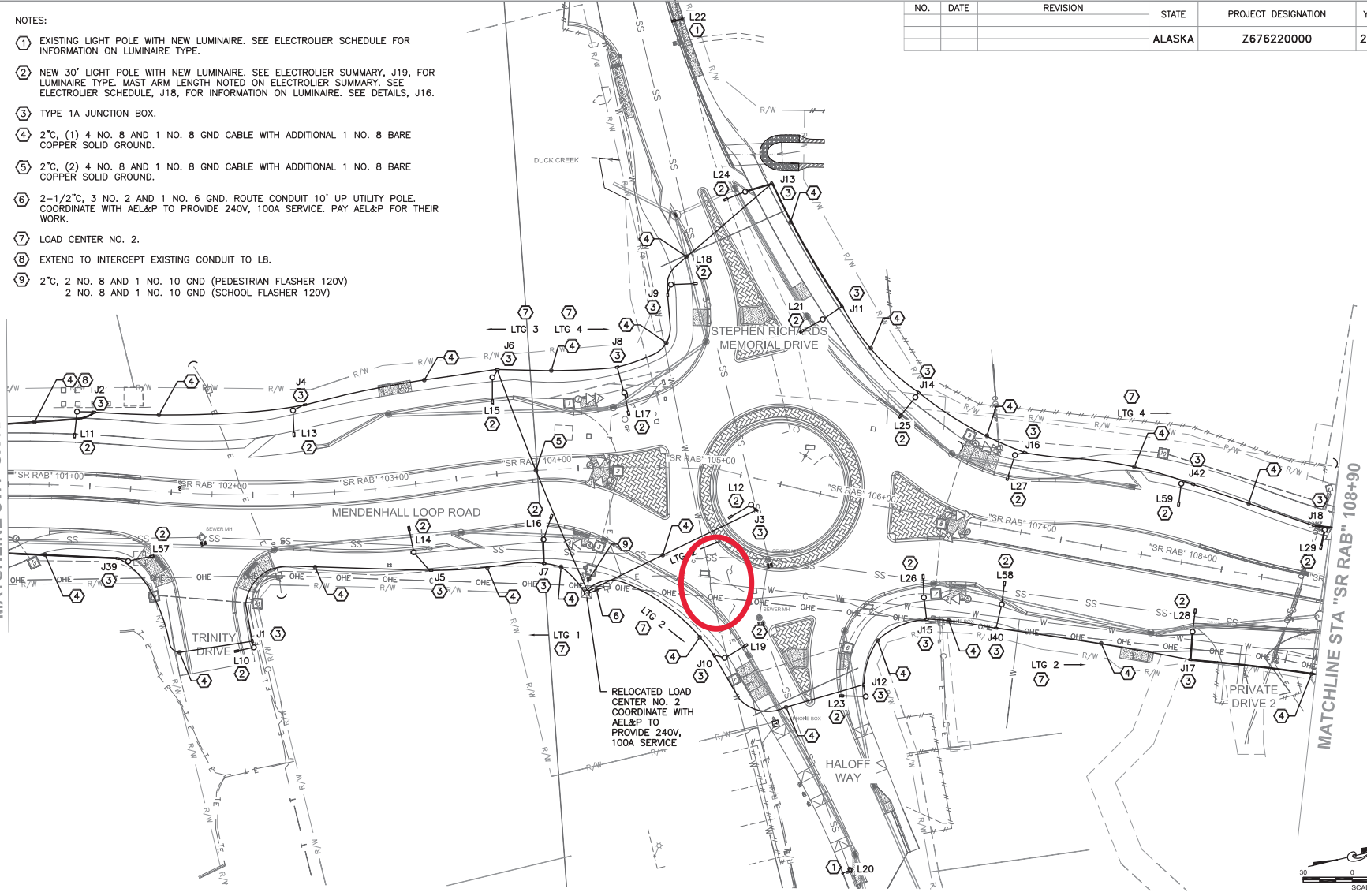
FERRI MORRIS ENGINEERING GROUP, INC. | JORDAN AVE #7, JUNEAU, AK 99801 | PHONE: (907) 798-3350 | CERTIFICATE OF AUTH # AEL0100
 FILE: P:\128 (new engineering)\02 mendenhall loop road improvements\working drawings\AEL-021-C1-08-2019.dwg | DATE: 02/14/2020 | LAYOUT JOB | DESIGNED: MORRIS | CHECKED: MORRIS | DRAFTED: WATTS

- NOTES:
- ① EXISTING LIGHT POLE WITH NEW LUMINAIRE. SEE ELECTROLIER SCHEDULE FOR INFORMATION ON LUMINAIRE TYPE.
 - ② NEW 30' LIGHT POLE WITH NEW LUMINAIRE. SEE ELECTROLIER SUMMARY, J19, FOR LUMINAIRE TYPE. MAST ARM LENGTH NOTED ON ELECTROLIER SUMMARY. SEE ELECTROLIER SCHEDULE, J18, FOR INFORMATION ON LUMINAIRE. SEE DETAILS, J16.
 - ③ TYPE 1A JUNCTION BOX.
 - ④ 2" C, (1) 4 NO. 8 AND 1 NO. 8 GND CABLE WITH ADDITIONAL 1 NO. 8 BARE COPPER SOLID GROUND.
 - ⑤ 2" C, (2) 4 NO. 8 AND 1 NO. 8 GND CABLE WITH ADDITIONAL 1 NO. 8 BARE COPPER SOLID GROUND.
 - ⑥ 2-1/2" C, 3 NO. 2 AND 1 NO. 6 GND, ROUTE CONDUIT 10' UP UTILITY POLE. COORDINATE WITH AEL&P TO PROVIDE 240V, 100A SERVICE. PAY AEL&P FOR THEIR WORK.
 - ⑦ LOAD CENTER NO. 2.
 - ⑧ EXTEND TO INTERCEPT EXISTING CONDUIT TO L8.
 - ⑨ 2" C, 2 NO. 8 AND 1 NO. 10 GND (PEDESTRIAN FLASHER 120V)
2 NO. 8 AND 1 NO. 10 GND (SCHOOL FLASHER 120V)

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J8	J21

MATCHLINE STA "SR RAB" 100+75

MATCHLINE STA "SR RAB" 108+90



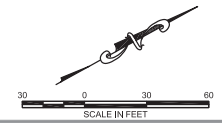
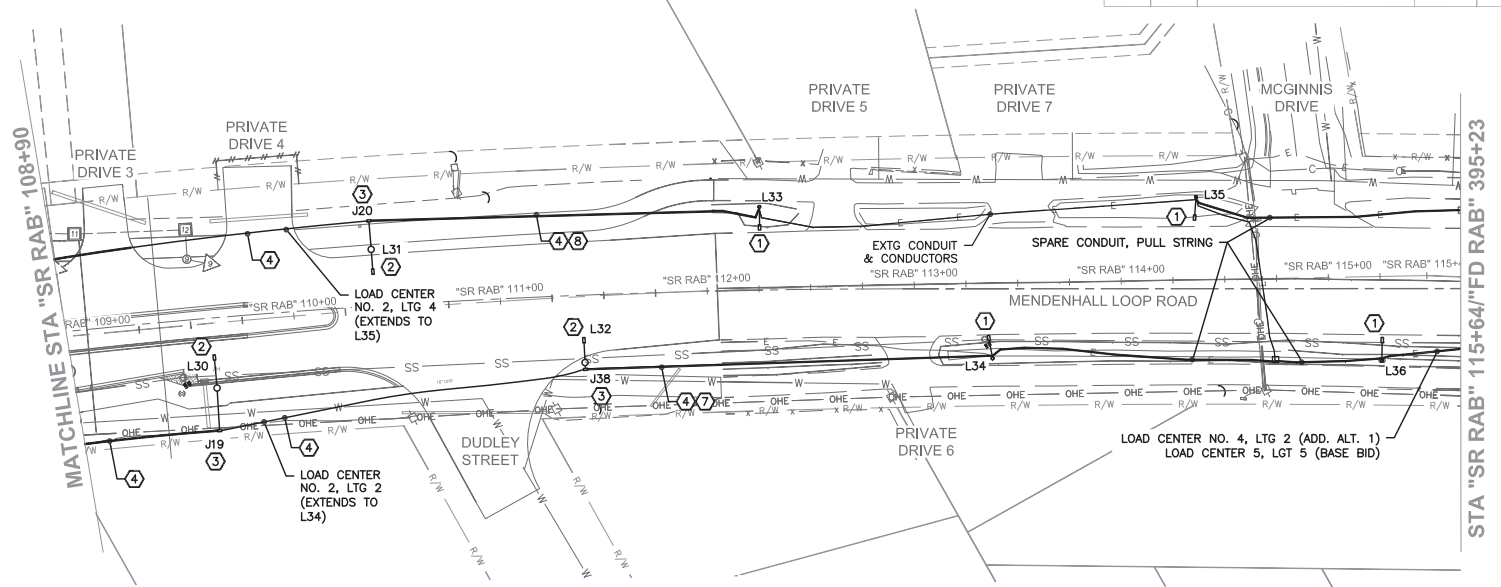
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Benjamin 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 NEW ELECTRICAL SITE PLAN STA
 SR RAB 100+75 TO 108+90

FIRM MORRIS ENGINEERING GROUP, INC. | PHONE (907) 798-3350 | CHECKED MORRIS | DRAFTED WATKINS
 JORDAN AVE #7, JUNEAU, AK 99801 | DESIGNED MORRIS | DATE 02/14/2020 | LAYOUT J9
 FILE P:\128 (new engineering)\02_mendenhall_loop_road_improvements\working drawings\10_0214-01-rb-70797.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J9	J21



- NOTES:
- ① EXISTING LIGHT POLE WITH NEW LUMINAIRE. SEE ELECTROLIER SCHEDULE FOR INFORMATION ON LUMINAIRE TYPE.
 - ② NEW 30' LIGHT POLE WITH NEW LUMINAIRE. SEE ELECTROLIER SUMMARY, J19, FOR LUMINAIRE TYPE. MAST ARM LENGTH NOTED ON ELECTROLIER SUMMARY. SEE ELECTROLIER SCHEDULE, J18, FOR INFORMATION ON LUMINAIRE. SEE DETAILS, J16.
 - ③ TYPE 1A JUNCTION BOX.
 - ④ 2" C, (1) 4 NO. 8 AND 1 NO. 8 GND CABLE WITH ADDITIONAL 1 NO. 8 BARE COPPER SOLID GROUND.
 - ⑤ NOT USED.
 - ⑥ NOT USED.
 - ⑦ EXTEND TO NEW JUNCTION BOX J38. PROVIDE NEW 4 NO. 8 AND 1 NO. 8 GND CABLE AND 1 NO. 8 BARE COPPER SOLID GROUND. POWER L34 FROM LOAD CENTER NO. 2, LTG 2. ALL NEW CONDUIT SHALL BE USED IF NEEDED.
 - ⑧ EXTEND TO INTERCEPT EXISTING CONDUIT TO L33. PROVIDE NEW 4 NO. 8 AND 1 NO. 8 GND CABLE AND 1 NO. 8 BARE COPPER SOLID GROUND. POWER L33 AND L35 FROM LOAD CENTER NO. 2, LTG 4.

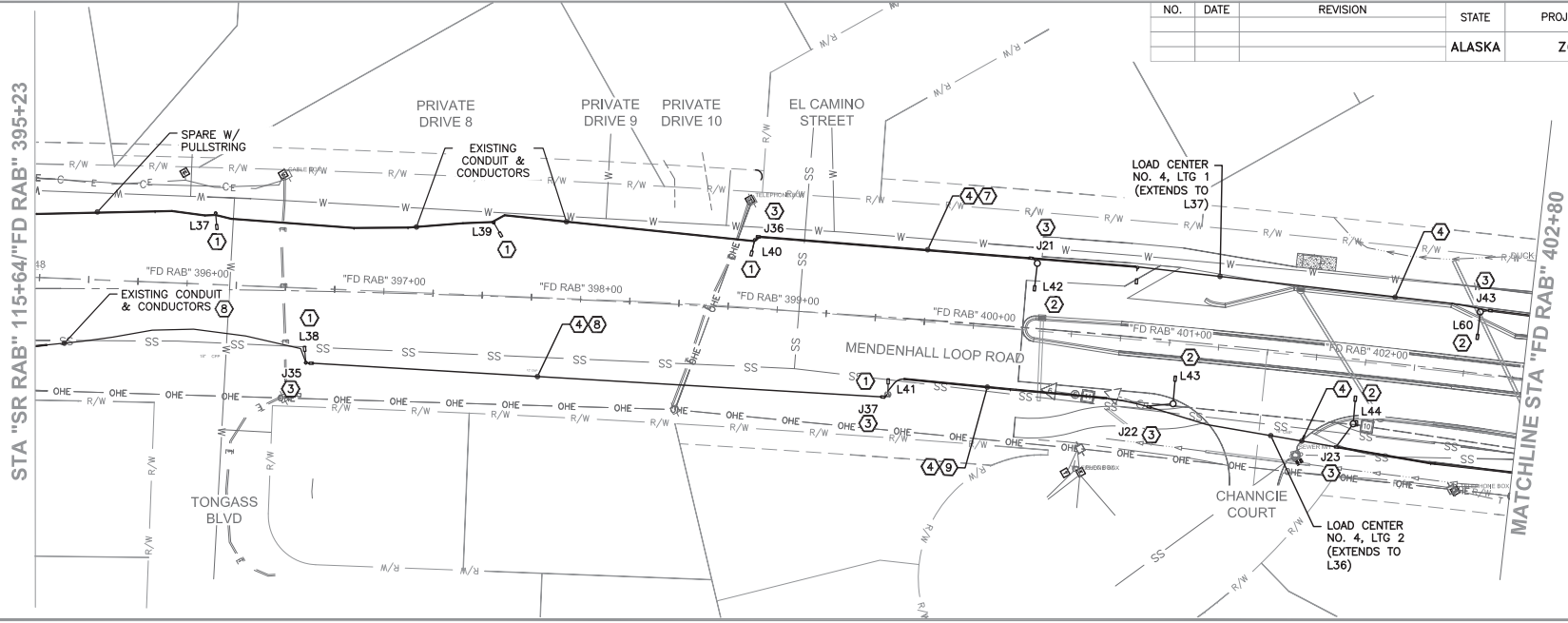
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 NEW ELECTRICAL SITE PLAN STA
 SR RAB 108+90 TO 115+64

FIRM: MORRIS ENGINEERING GROUP, INC. | PROJECT: Mendenhall Loop Road Capacity Improvements | DRAWING: MEG-2020-01-00-20776-000
 FILE: P:\120 (new engineering)\2020\mendenhall loop road improvements\working drawings\MEG-2020-01-00-20776-000.dwg
 DATE: 02/14/2020 | LAYOUT: J10A
 PHONE: (907) 399-3350 | DESIGNED: MORRIS | CHECKED: MORRIS | DRAFTED: WATKINS
 CERTIFICATE OF AUTH. #: ACL0100

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J10A	J21



- NOTES:
- ① EXISTING LIGHT POLE WITH NEW LUMINAIRE. SEE ELECTROLIER SCHEDULE FOR INFORMATION ON LUMINAIRE TYPE.
 - ② NEW 30' LIGHT POLE WITH NEW LUMINAIRE. SEE ELECTROLIER SUMMARY, J19A, FOR LUMINAIRE TYPE. MAST ARM LENGTH NOTED ON ELECTROLIER SUMMARY. SEE ELECTROLIER SCHEDULE, J18, FOR INFORMATION ON LUMINAIRE. SEE DETAILS, J16.
 - ③ TYPE 1A JUNCTION BOX. CONNECT TO LIGHTING CIRCUIT AS SHOWN. FEED ADJACENT POLE FROM J-BOX.
 - ④ 2" (1) 4 NO. 8 AND 1 NO. 8 GND CABLE WITH ADDITIONAL 1 NO. 8 BARE COPPER SOLID GROUND.
 - ⑤ NOT USED.
 - ⑥ NOT USED.
 - ⑦ PROVIDE A NEW JUNCTION BOX AT L40. POWER L40, L39, AND L37 FROM LOAD CENTER NO. 4, LTG 1. REMOVE CONDUCTORS BETWEEN L37 AND L39 AND REPLACE WITH PULL STRING. LABEL BOTH ENDS. PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED. PROVIDE NEW 4 NO. 8 AND 1 NO. 8 GND CABLE 1 NO. 8 BARE COPPER SOLID GROUND BETWEEN L42 AND L40.
 - ⑧ PROVIDE A NEW JUNCTION BOX AT L38 AND L41. POWER L41, L38 AND L36 FROM LOAD CENTER NO. 4, LTG 2. REMOVE CONDUCTORS BETWEEN L36 AND LOAD CENTER NO. 3. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED. PROVIDE NEW 4 NO. 8 AND 1 NO. 8 GND CABLE 1 NO. 8 BARE COPPER SOLID GROUND BETWEEN L38 AND L41. FEED L36 FROM L38.
 - ⑨ EXTEND CONDUIT FROM L41 TO J22 AT L43. PROVIDE NEW 4 NO. 8 AND 1 NO. 8 GND CABLE AND 1 NO. 8 BARE COPPER SOLID GROUND TO POWER L41 VIA J37. NEW CONDUIT AS REQUIRED.

ALL WORK ON THIS SHEET TO BE DONE IF ADDITIVE ALTERNATE IS AWARDED.

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

Jim Bergman 2.15.23
 Signature Date



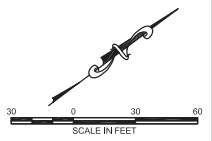
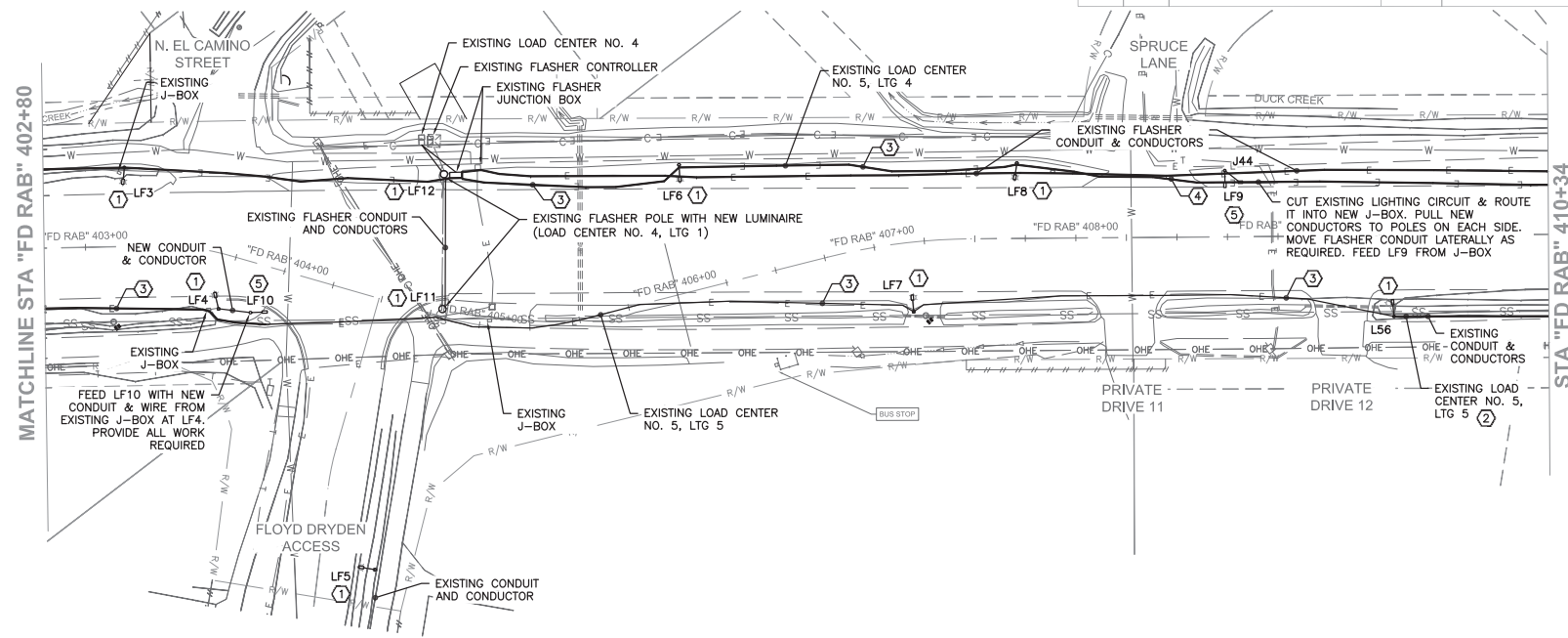
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

NEW ELECTRICAL SITE PLAN STA
 FD RAB 395+23 TO 402+80
 (ADD. ALT. 1)

FIRM: MORRIS ENGINEERING GROUP, INC. FILE: J:\120 (new engineering)\02 mendenhall loop road improvements\working drawings\4-2614-C1-rb-2019.dwg
 JORDAN AVE #7, JUNEAU, AK 99801 PHONE: (907) 598-3350
 DESIGNED: MORRIS CHECKED: MORRIS DRAFTED: WATKINS
 DATE: 02/14/2020 LAYOUT: J11

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J11	J21



- NOTES:
- ① EXISTING LIGHT POLE WITH NEW LUMINAIRE. SEE ELECTROLIER SCHEDULE FOR INFORMATION ON LUMINAIRE TYPE.
 - ② LOAD CENTER NO. 5 IS LOCATED ON NE CORNER OF MENDENHALL LOOP ROAD AND VALLEY BLVD INTERSECTION. NO WORK IS BEING DONE AT THIS LOAD CENTER.
 - ③ EXISTING CONDUIT AND CONDUCTORS.
 - ④ REMOVE CONDUIT FROM LF8 TO END OF PROJECT (APPROXIMATELY FD RAB 408). REMOVE CONDUCTORS TO THE NEXT POLE NORTH WHICH IS TO REMAIN.
 - ⑤ NEW LIGHT POLE AND LUMINAIRE.
 6. REMOVE SCHOOL ZONE FLASHER NORTH OF SPRUCE LANE. SEE SIGNAL SHEET FOR EXACT LOCATION. REMOVE CONDUIT AND CONDUCTORS BETWEEN FLASHERS AND THE FLASHER SOUTH OF CHANNICIE COURT.

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

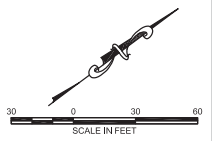
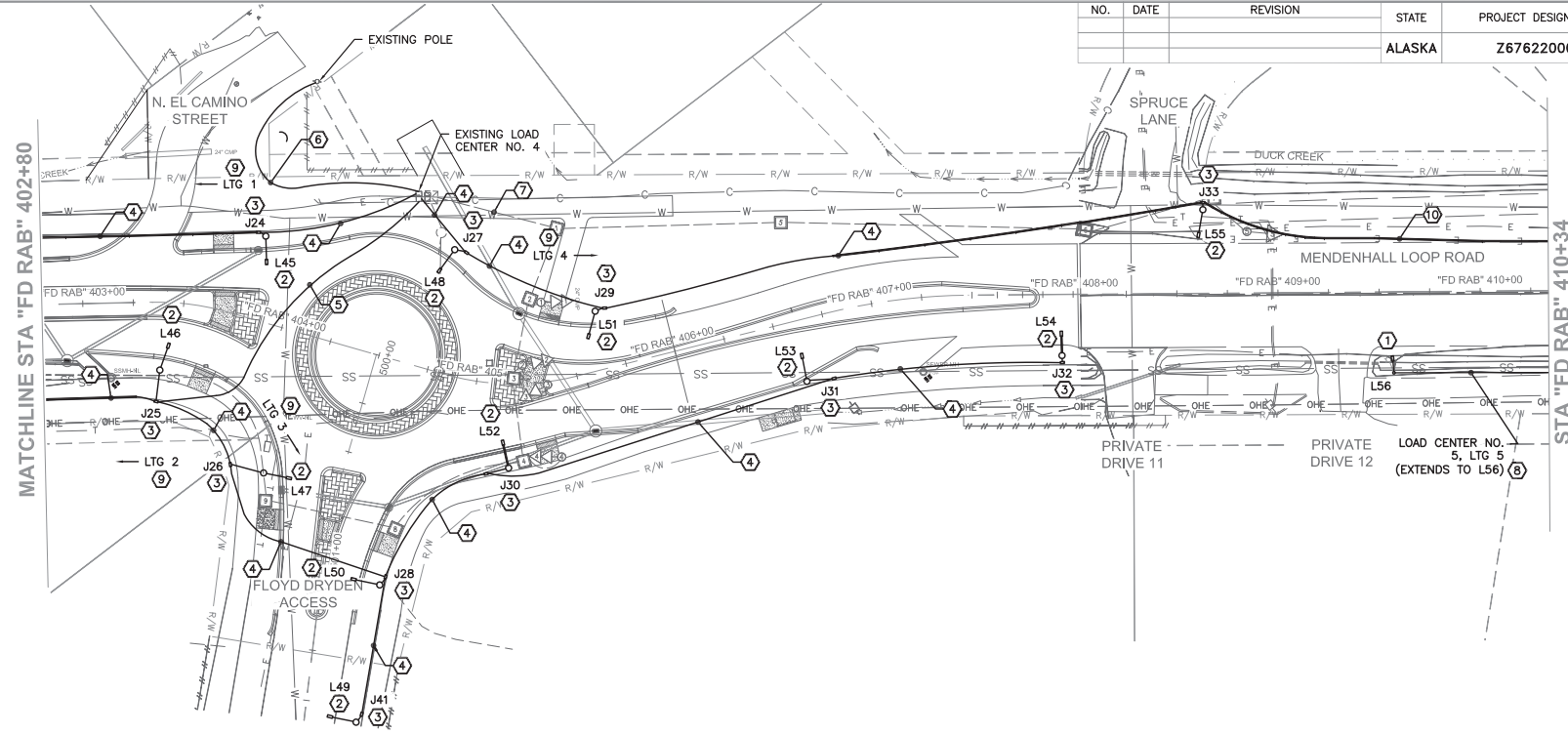
 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 NEW ELECTRICAL SITE PLAN STA
 FD RAB 402+80 TO 410+34

FIRM: MORRIS ENGINEERING GROUP, INC. | PHONE: (907) 799-3350 | CERTIFICATE OF AUTH. #: AEL0100
 FILE: P:\120 (new engineering)\02 mendenhall loop road improvements\working drawings\01-01-1-C1-00-7070.dwg | DESIGNED: MORRIS | CHECKED: MORRIS | DRAFTED: WATTS
 JORDAN AVE #7, JUNEAU, AK 99801 | DATE: 02/14/2020 | LAYOUT: J11A

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J11A	J21



- NOTES:
- ① EXISTING LIGHT POLE WITH NEW LUMINAIRE. SEE ELECTROLIER SCHEDULE FOR INFORMATION ON LUMINAIRE TYPE.
 - ② NEW 30' LIGHT POLE WITH NEW LUMINAIRE. SEE ELECTROLIER SUMMARY, J19A, FOR LUMINAIRE TYPE. MAST ARM LENGTH NOTED ON ELECTROLIER SUMMARY. SEE ELECTROLIER SCHEDULE, J18, FOR INFORMATION ON LUMINAIRE. SEE DETAILS, J16.
 - ③ TYPE 1A JUNCTION BOX.
 - ④ 2" C, (1) 4 NO. 8 AND 1 NO. 8 GND CABLE WITH ADDITIONAL 1 NO. 8 BARE COPPER SOLID GROUND.
 - ⑤ 2" C, (2) 4 NO. 8 AND 1 NO. 8 GND CABLE WITH ADDITIONAL 1 NO. 8 BARE COPPER SOLID GROUND.
 - ⑥ 2-1/2" C, 3 NO. 2 AND 1 NO. 6 GND. ROUTE CONDUIT 10' UP UTILITY POLE. COORDINATE WITH AEL&P TO PROVIDE 240V, 100A SERVICE.
 - ⑦ 2" C, 2 NO. 8 AND 1 NO. 10 GND (PEDESTRIAN FLASHER 120V) 2 NO. 8 AND 1 NO. 10 GND (SCHOOL FLASHER 120V)
 - ⑧ LOAD CENTER NO. 5 IS LOCATED ON NE CORNER OF MENDENHALL LOOP ROAD AND VALLEY BLVD INTERSECTION. NO WORK IS BEING DONE AT THIS LOAD CENTER.
 - ⑨ LOAD CENTER NO. 4.
 - ⑩ ROUTE EXISTING CONDUIT TO J33. PROVIDE PVC STRING TO NEXT POLE NORTH OF PROJECT.

ALL WORK ON THIS SHEET TO BE DONE IF ADDITIVE ALTERNATE IS AWARDED.

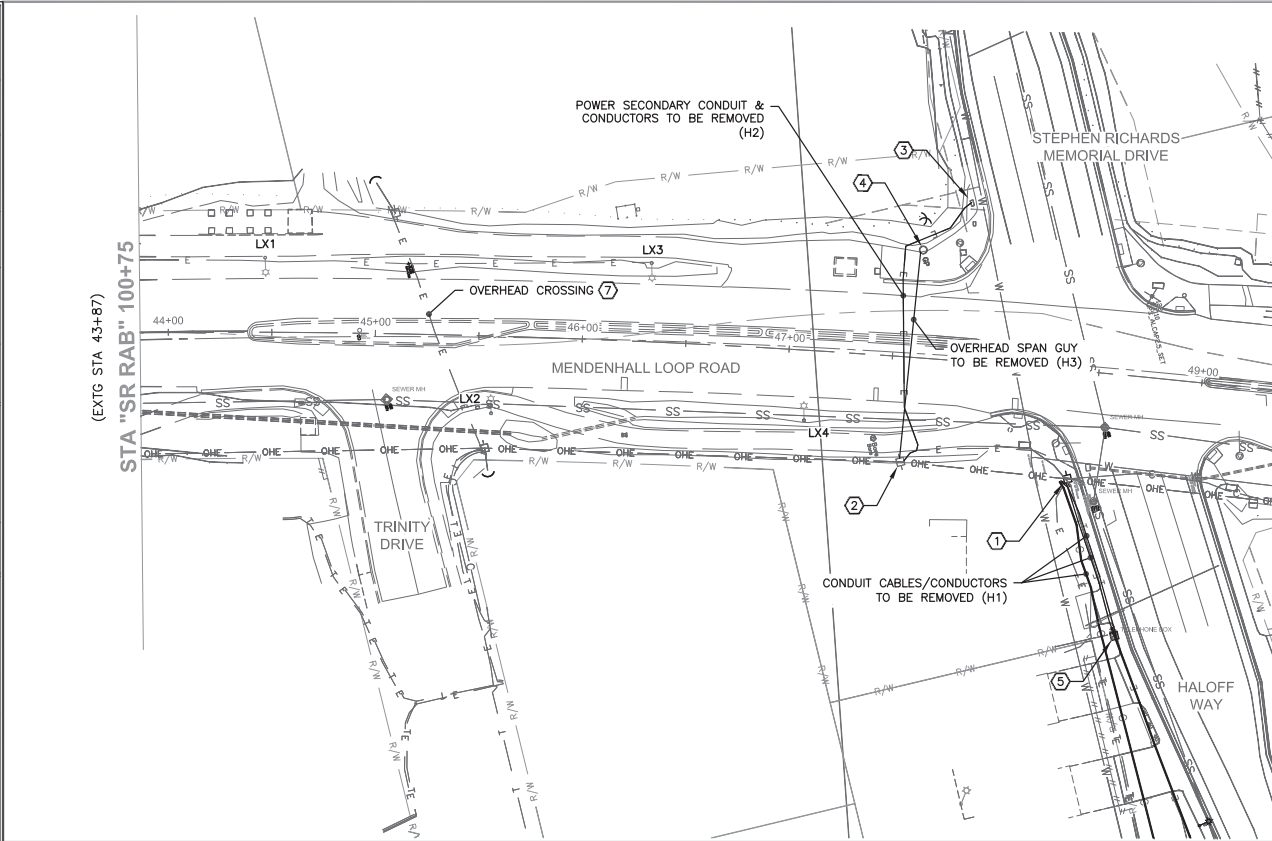
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 2.15.23
 Signature Date



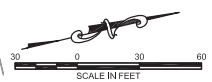
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

NEW ELECTRICAL SITE PLAN STA
 FD RAB 402+80 TO 410+34
 (ADD. ALT. 1)

FIRM MORRIS ENGINEERING GROUP, INC. | PHONE (907) 298-3350 | CHECKED MORRIS | DRAFTED WATKINS
 JORDAN AVE #7, JUNEAU, AK 99801 | DESIGNED MORRIS | LAYOUT J12
 DATE 02/14/2020



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J12	J21



NOTES:

- ① UTILITY POLE TO BE REMOVED BE AEL&P. UNDER GROUND RISERS FROM ADJACENT PEDESTALS THAT ARE ROUTED UP POLE SHALL BE REPLACED WITH NEW CONDUIT AND CONDUCTORS FROM PEDESTALS TO THE NEXT POLE SOUTH WHICH IS TO REMAIN. TELEPHONE AND TV UTILITIES TO PROVIDE NEW CONDUIT AND PULL NEW CONDUCTORS (ACS AND GC). SEE NOTE 2. (CONFLICT H1). POWER UTILITY TO PROVIDE CONDUIT AND CABLE FROM EXISTING PRIMARY JUNCTION BOX ON HALOFF WAY TO POLE TO REMAIN.
- ② UTILITY POLE TO REMAIN. POWER, TELEPHONE, AND TV UNDERGROUND CONDUIT TO BE ROUTED TO THIS POLE FROM PEDESTALS. (CONFLICT H1).
- ③ POWER SECONDARY JUNCTION BOX TO BE REMOVED. (CONFLICT H2).
- ④ SPAN GUY UTILITY POLE TO BE REMOVED. (CONFLICT H3).
- ⑤ TELEPHONE PEDESTAL TO BE MOVED. (CONFLICT H4).
- ⑥ UTILITY POLE WITH DOWN GUY TO BE REPLACED WITH A STEEL POLE. (CONFLICT H5).
- ⑦ GCI OVERHEAD CROSSING ON OVERHEAD GUY TO REMAIN.
- ⑧ GCI TO RELOCATE AND REBURY IF REQUIRED. DO NO DAMAGE GCI'S FACILITY.

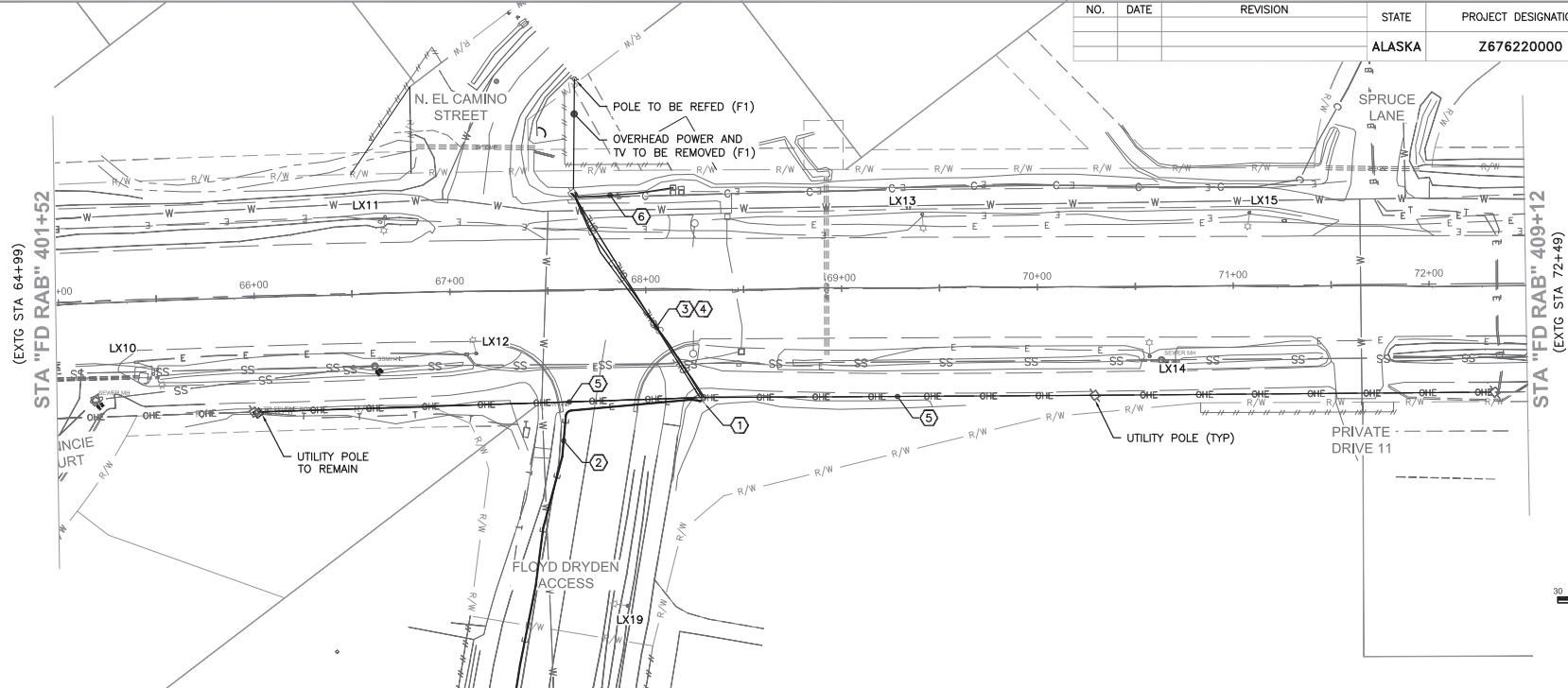
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 EXISTING PLAN STA SR RAB 100+75
 TO 108+90 UTILITY CONFLICTS

FIRM MORRIS ENGINEERING GROUP, INC. | JORDAN AVE #7, JUNEAU, AK 99801 | PHONE (907) 298-3350 | CERTIFICATE OF AUTH # AEC1010
 FILE P:\128 (net engineering)\02_mendenhall_loop_road_improvements\working\Drawings\CD\CD-1-C1-00-70776.dwg | DESIGNED MORRIS | CHECKED MORRIS | DRAFTED WATKINS


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J13A	J21



NOTES:

- ① UTILITY POLE TO BE REMOVED. (2) POWER PRIMARY UNDERGROUND RISERS, (1) POWER SECONDARY UNDERGROUND RISER, AND TV UNDERGROUND RISER TO BE REMOVED. (CONFLICT F1).
- ② UNDERGROUND POWER PRIMARY TO BE REROUTED TO NEW UTILITY POLE. (CONFLICT F1).
- ③ UNDERGROUND POWER PRIMARY, UNDERGROUND POWER SECONDARY TO BE REMOVED (CONFLICT F1).
- ④ OVERHEAD MESSENGER CABLE TO BE REMOVED. (CONFLICT F1).
- ⑤ OVERHEAD TV AND TELEPHONE CABLES TO BE REMOVED. (CONFLICT F2).
- ⑥ UNDERGROUND POWER SECONDARY TO LOAD CENTER TO BE REMOVED. (CONFLICT F1).

ALL WORK ON THIS SHEET TO BE DONE IF ADDITIVE ALTERNATE IS AWARDED.

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

 Signature 2.15.23
 Date

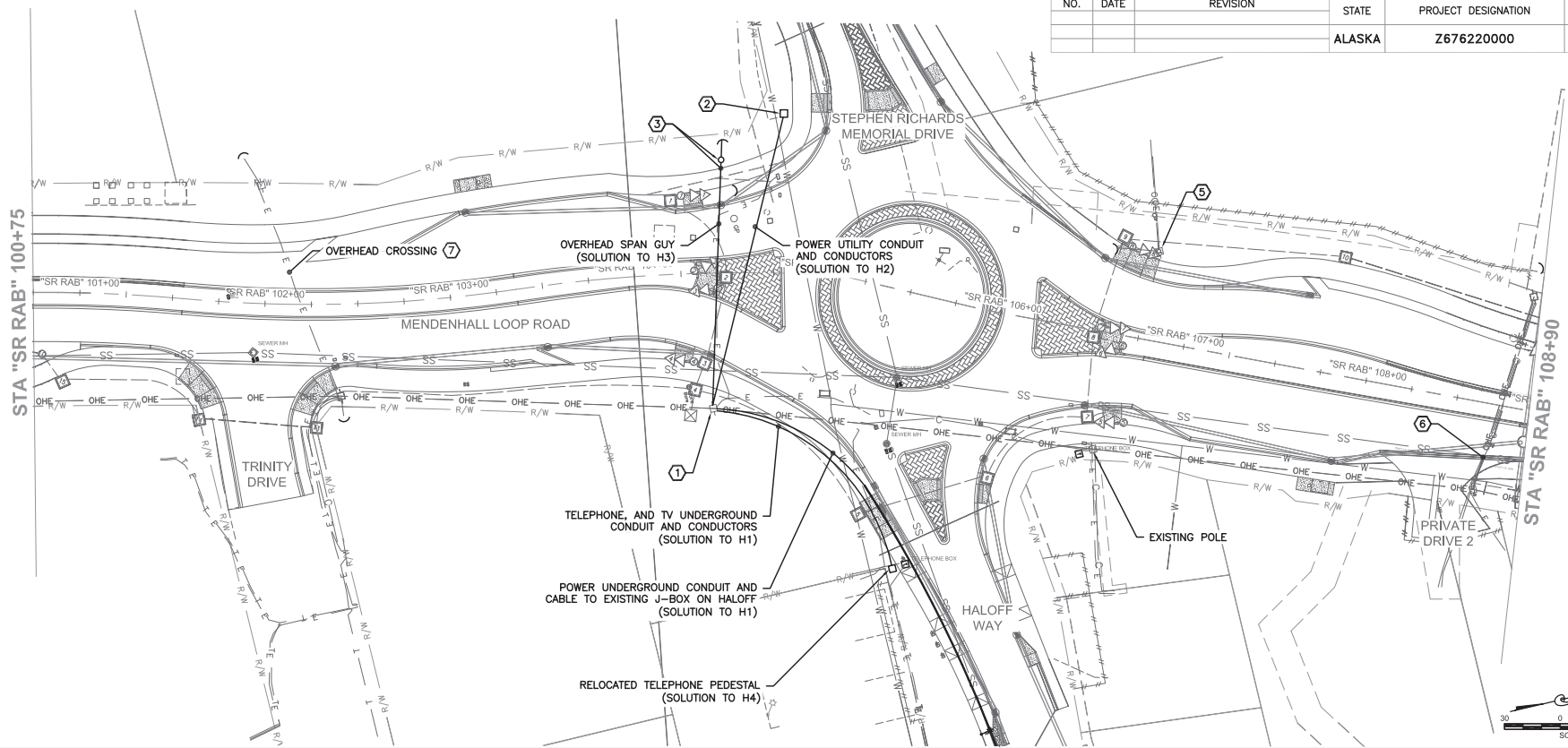


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

EXISTING PLAN STA FD RAB 401+52
 TO 409+12 UTILITY CONFLICTS
 (ADD. ALT. 1)


FIRM MORRIS ENGINEERING GROUP, INC. | URBAN AVE #7, JUNEAU, AK 99801 | PHONE (907) 598-3350 | CHECKED MORRIS | DRAFTED WATKINS
 FILE J:\128\dev\engineering\02_mendenhall_loop_road_improvements\working\Drawings\02-101-1-C1-08-2019.dwg | DATE 02/14/2020 | LAYOUT J14

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J14	J21



NOTES:

- ① EXISTING UTILITY POLE TO REMAIN. TELEPHONE AND TV UNDERGROUND CONDUITS ROUTED FROM EXISTING PEDESTALS TO EXISTING POLE AND ROUTED UP POLE TO BE FED. ALSO A NEW POWER CONDUIT WILL BE ROUTED FROM POLE TO EXISTING POWER JUNCTION BOX ON HALOFF WAY. (SOLUTION TO CONFLICT H1).
- ② NEW POWER UTILITY TRANSFORMER. ADDITIONAL COST TO CHANGE TO PRIMARY JUNCTION BOX TO BE COVERED BY AEL&P. (SOLUTION H2).
- ③ NEW SPAN GUY POLE WITH BACK GUY. (SOLUTION TO H3). COORDINATE POLE LOCATION TO BE A MINIMUM OF 6' FROM ELECTROLIER POLE L17. SEE SHEET J8.
- ④ NOT USED.
- ⑤ NEW WOOD POLE (SOLUTION TO H5).
- ⑥ GCI TO RELOCATE AND REBURY IF REQUIRED. DO NOT DAMAGE GCI'S FACILITY.
- ⑦ GCI OVERHEAD CROSSING ON OVERHEAD GUY.

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

 Signature 2.15.23
 Date

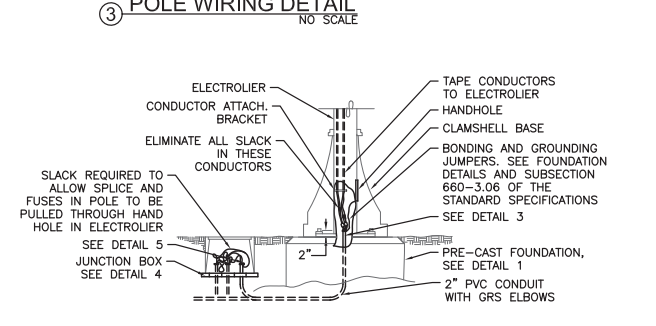
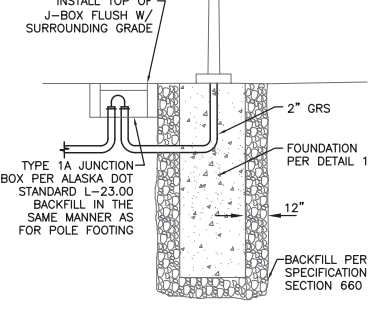
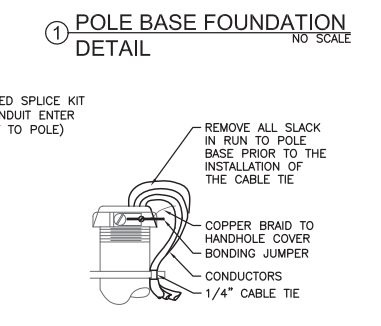
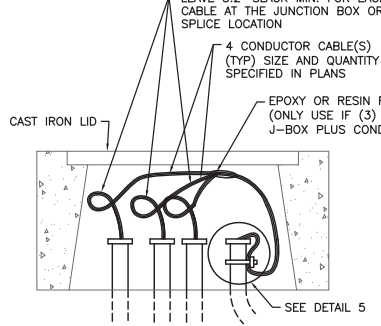
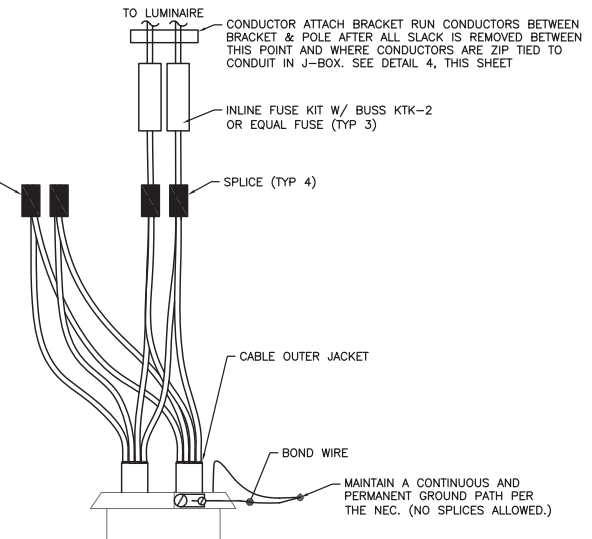
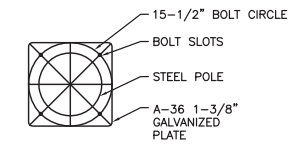
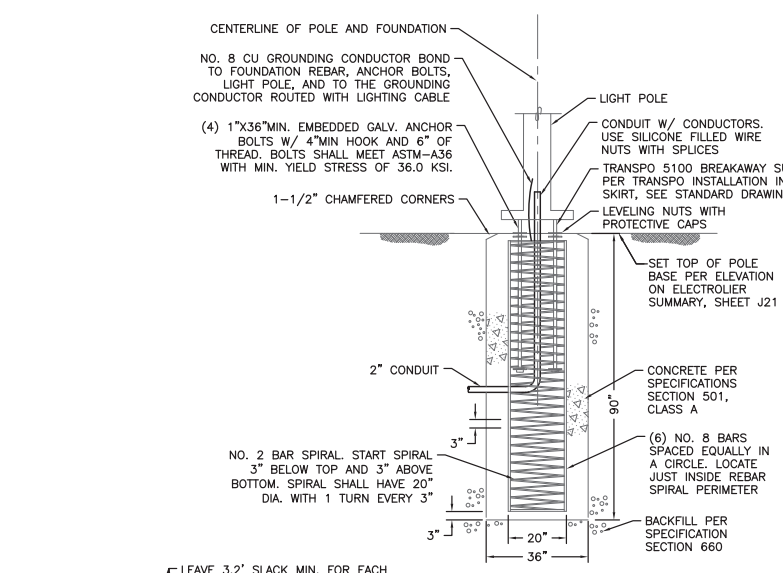


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 NEW PLAN STA SR RAB 100+75 TO
 108+90 UTILITY RESOLUTIONS

FERRI MORRIS ENGINEERING GROUP, INC. | 2100 West Engineering | 200 West Improvement | Working | Drawing | 01.04.2020

JORDAN AVE #7, JUNEAU, AK 99801 | PHONE: (907) 799-3350 | DESIGNED: MORRIS | CHECKED: MORRIS | DRAFTED: WATTS | ACCL1010

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J16	J21



NOTES:

- ALL SPLICES SHALL BE IN BASE OF POLE.
- PROVIDE GROUNDING BUSHINGS ON CONDUIT. BOND GROUNDING CONDUCTOR ROUTED WITH LIGHTING CABLE TO GROUNDING BUSHINGS AND STEEL COVER, AND ROUTE TO LIGHT POLE BASE.
- PROVIDE DOUBLE FUSED CONNECTOR KITS IN BASE OF POLE. SECTION NO. 1791-DF OR EQUAL. THE FUSES SHALL BE BUSS KTK-5 FAST ACTING DUAL FERRULE TYPE OR APPROVED EQUAL.
- LOCATE THE LIGHT POLES AND JUNCTION BOXES WHERE SHOWN ON TABLES ON SHEET J19 AND J19A IF ADDITIVE ALTERNATE IS USED. ROUTE CONDUIT AS SHOWN.
- SIZE POLE WITH LUMINAIRE FOR 100 MPH SUSTAINED WINDS WITH GUSTS TO 120 MPH, EXPOSURE B (IBC 2003).
- PROVIDE A PHOTOCELL AT TOP OF POLE WHERE SHOWN.
- PROVIDE FUSE KITS IN EACH POLE BASE.
- PROVIDE GROUNDING BUSHINGS ON CONDUIT.
- SPLICE IN J-BOX ONLY WHEN CIRCUIT BRANCHES IN TWO DIRECTIONS PLUS CONDUIT TO LIGHT POLE. OTHERWISE SPLICE CABLES IN LIGHT USE RESIN FILLED SPLICE KITS WHEN SPLICING IN J-BOXES.
- BOND GROUNDING CONDUCTORS THAT ARE IN CONDUIT TO GROUNDING J-BOX LID BONDING JUMPER.

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

Jim Bergman 2.15.23
Signature Date



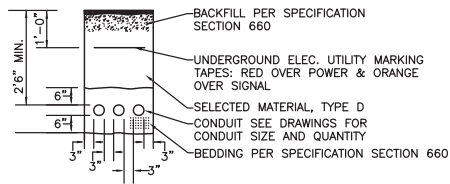
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

ELECTROLIER AND JUNCTION BOX
DETAILS

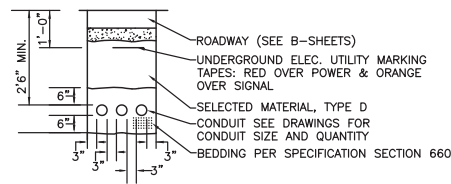
FIRM: MORRIS ENGINEERING GROUP, INC. | PHONE: (907) 799-3350 | CHECKED: MORRIS | DESIGNED: MORRIS | LAYOUT: J17 | JORDAN AVE #7, JUNEAU, AK 99801 | DATE: 02/14/2020 | CERTIFICATE OF AUTH # | ACCL1010
 FILE: P:\128 user engineering\128 mendenhall loop road improvements\working drawings\J17.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J17	J21



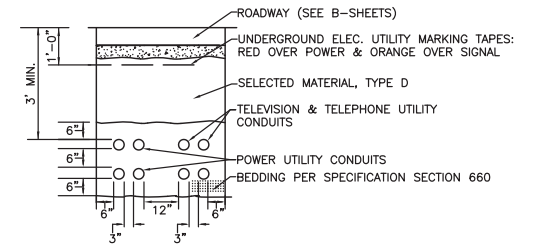
NOTE:
1. ALL DIMENSIONS ARE MINIMUM.

① TRENCH DETAIL - NON-PAVED AREAS
NO SCALE




NOTES:
1. ALL DIMENSIONS ARE MINIMUM.
2. SEE B-SHEETS FOR TYPICAL SECTIONS UNDER PAVED AREAS.
3. WHERE UTILITY CONDUITS ARE BURIED, SEPARATE TV AND TELEPHONE UTILITY CONDUITS 12". INCREASE BURIAL DEPTH TO 36" FOR ALL UTILITY CONDUITS. SEE UTILITY TRENCH DETAIL, THIS SHEET.

② TRENCH DETAIL - PAVED AREAS
NO SCALE



NOTES:
1. ALL DIMENSIONS ARE MINIMUM.
2. SEE B-SHEETS FOR TYPICAL SECTIONS UNDER PAVED AREAS.

③ UTILITY TRENCH DETAIL
NO SCALE

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

 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 TRENCH DETAILS

FEDERAL ENGINEERING GROUP, INC. | 1310 West Engineering, Suite 100, Anchorage, Alaska 99501 | PHONE: (907) 799-3350 | CHECKED: MORRIS | DRAFTED: WAKITS
 JORDAN AVE #7, JUNEAU, AK 99901 | DATE: 02/14/2020 | LAYOUT: J19 | FILE: J:\1310 West Engineering\300 - miscellaneous - Road - Road Improvements\Working Drawings\ELECTROLIER AND J-BOX SUMMARIES.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J19	J21

ELECTROLIER SUMMARY

NO.	MAST-ARM LENGTH	LUMINAIRE MOUNTING HEIGHT	STA LINE	STATION	OFFSET	POLE BASE ELEVATION	LUMINAIRE TYPE	REMARKS
L1	UNK	30'	SR RAB	92+35.69	40.02'RT	36.98'	EXISTING	EXISTING TO REMAIN
L2	UNK	30'	SR RAB	93+35.50	33.82'LT	37.86'	EXISTING	EXISTING TO REMAIN
L3	UNK	30'	SR RAB	94+32.82	41.32'RT	37.34'	EXISTING	EXISTING TO REMAIN
L4	UNK	30'	SR RAB	95+36.96	34.27'LT	38.37'	EXISTING	EXISTING TO REMAIN
L5	UNK	30'	SR RAB	96+33.96	40.66'RT	37.82'	EXISTING	EXISTING TO REMAIN
L6	UNK	30'	SR RAB	97+36.13	32.16'LT	38.84'	EXISTING	EXISTING TO REMAIN
L7	UNK	30'	SR RAB	98+33.48	39.82'RT	38.58'	EXISTING	EXISTING TO REMAIN
L8	UNK	30'	SR RAB	99+35.20	34.07'LT	39.88'	A	EXISTING POLE, NEW LUMINAIRE
L9	8	30'	SR RAB	100+37.12	35.51'RT	36.73'	A	NEW POLE AND LUMINAIRE
L10	8	30'	SR RAB	102+25.48	93.33'RT	40.72'	B	NEW POLE AND LUMINAIRE
L11	12	30'	SR RAB	101+15.27	45.25'LT	41.51'	B	NEW POLE AND LUMINAIRE
L12	10	30'	SR RAB	105+35.37	16.36'RT	46.48'	D	NEW POLE AND LUMINAIRE
L13	12	30'	SR RAB	102+51.40	51.36'LT	41.90'	B	NEW POLE AND LUMINAIRE
L14	12	30'	SR RAB	103+18.60	41.21'RT	42.39'	A	NEW POLE AND LUMINAIRE
L15	12	30'	SR RAB	103+78.01	59.01'LT	41.65'	A	NEW POLE AND LUMINAIRE
L16	12	30'	SR RAB	104+00.81	42.43'RT	42.89'	B	NEW POLE AND LUMINAIRE
L17	10	30'	SR RAB	104+51.67	45.58'LT	43.43'	B	NEW POLE AND LUMINAIRE
L18	12	30'	SR RAB	104+79.21	111.95'LT	42.42'	B	NEW POLE AND LUMINAIRE
L19	12	30'	SR RAB	105+41.52	111.33'RT	42.54'	B	NEW POLE AND LUMINAIRE
L20	UNK	30'	SR RAB	106+30.90	225.29'RT	41.74'	A	EXISTING POLE, NEW LUMINAIRE
L21	12	30'	SR RAB	105+51.58	104.17'LT	44.27'	B	NEW POLE AND LUMINAIRE
L22	UNK	30'	SR RAB	104+81.56	274.79'LT	41.05'	C	EXISTING POLE, NEW LUMINAIRE
L23	12	30'	SR RAB	106+25.05	116.20'RT	42.32'	B	NEW POLE AND LUMINAIRE
L24	10	30'	SR RAB	105+26.50	128.40'LT	43.73'	A	NEW POLE AND LUMINAIRE
L25	12	30'	SR RAB	106+21.51	69.49'LT	43.93'	B	NEW POLE AND LUMINAIRE
L26	10	30'	SR RAB	106+48.99	50.15'RT	44.14'	B	NEW POLE AND LUMINAIRE
L27	12	30'	SR RAB	106+87.88	45.79'LT	43.39'	B	NEW POLE AND LUMINAIRE
L28	10	30'	SR RAB	108+14.54	40.71'RT	42.96'	A	NEW POLE AND LUMINAIRE
L29	8	30'	SR RAB	108+82.71	35.40'LT	43.52'	A	NEW POLE AND LUMINAIRE
L30	12	30'	SR RAB	109+59.90	31.40'RT	43.39'	A	NEW POLE AND LUMINAIRE
L31	8	30'	SR RAB	110+39.60	29.20'LT	44.07'	A	NEW POLE AND LUMINAIRE
L32	8	30'	SR RAB	111+39.24	31.88'RT	43.59'	A	NEW POLE AND LUMINAIRE
L33	UNK	30'	SR RAB	112+26.50	39.64'LT	42.80'	A	EXISTING POLE, NEW LUMINAIRE
L34	UNK	30'	SR RAB	113+37.20	36.11'RT	43.17'	F	EXISTING POLE, NEW LUMINAIRE
L35	UNK	30'	SR RAB	114+36.84	40.00'LT	43.83'	A	EXISTING POLE, NEW LUMINAIRE
L36	UNK	30'	SR RAB	115+25.13	40.67'RT	41.91'	A	EXISTING POLE, NEW LUMINAIRE
L37	UNK	30'	FD RAB	396+13.05	36.18'LT	44.79'	G	EXISTING POLE, NEW LUMINAIRE
L38	UNK	30'	FD RAB	396+61.89	37.81'RT	45.11'	G	EXISTING POLE, NEW LUMINAIRE
L39	UNK	30'	FD RAB	397+54.36	37.11'LT	45.18'	A	EXISTING POLE, NEW LUMINAIRE
L40	UNK	30'	FD RAB	398+86.18	34.42'LT	46.01'	F	EXISTING POLE, NEW LUMINAIRE
L41	UNK	30'	FD RAB	399+59.65	38.80'RT	43.45'	A	EXISTING POLE, NEW LUMINAIRE
L56	UNK	30'	FD RAB	409+57.06	39.98'RT	45.82'	A	EXISTING POLE, NEW LUMINAIRE
L57	12	30'	SR RAB	101+52.41	44.17'RT	40.40'	A	NEW POLE AND LUMINAIRE
L58	10	30'	SR RAB	106+96.63	45.52'RT	43.86'	A	NEW POLE AND LUMINAIRE
L59	10	30'	SR RAB	107+91.20	47.20'LT	43.41'	A	NEW POLE AND LUMINAIRE
LF1	UNK	30'	FD RAB	400+80.59	38.60'LT	N/A	A	EXISTING POLE, NEW LUMINAIRE
LF2	UNK	30'	FD RAB	401+99.54	38.30'RT	N/A	A	EXISTING POLE, NEW LUMINAIRE
LF3	UNK	30'	FD RAB	403+20.01	39.02'LT	N/A	A	EXISTING POLE, NEW LUMINAIRE
LF4	UNK	30'	FD RAB	403+73.72	26.85'RT	N/A	K	EXISTING POLE, NEW LUMINAIRE
LF5	UNK	30'	FD RAB	404+83.70	129.41'RT	N/A	A	EXISTING POLE, NEW LUMINAIRE
LF6	UNK	30'	FD RAB	406+16.35	62.22'LT	N/A	A	EXISTING POLE, NEW LUMINAIRE
LF7	UNK	30'	FD RAB	407+15.78	34.28'RT	N/A	G	EXISTING POLE, NEW LUMINAIRE
LF8	UNK	30'	FD RAB	407+71.02	36.59'LT	N/A	G	EXISTING POLE, NEW LUMINAIRE
LF9	UNK	30'	FD RAB	408+73.93	32.67'LT	*	A	NEW POLE AND LUMINAIRE
LF10	UNK	30'	FD RAB	403+89.35	24.27'RT	*	I	NEW POLE AND LUMINAIRE
LF11	UNK	UNK	FD RAB	404+05.21	03.68'LT	N/A	G	EXISTING POLE, NEW LUMINAIRE
LF12	UNK	UNK	FD RAB	404+62.58	67.86'LT	N/A	G	EXISTING POLE, NEW LUMINAIRE

* SET FOUNDATION TOP FLUSH WITH FINISHED GRADE.

JUNCTION BOX SUMMARY

NO.	STA LINE	STATION	OFFSET	TYPE	ELEV.	REMARKS
J1	SR RAB	102+24.62	89.45'RT	1A	40.75'	L10
J2	SR RAB	101+25.10	45.52'LT	1A	41.51'	L11
J3	SR RAB	105+39.14	18.64'RT	1A	46.56'	L12
J4	SR RAB	102+59.41	54.47'LT	1A	41.06'	L13
J5	SR RAB	103+27.20	53.58'RT	1A	42.48'	L14
J6	SR RAB	103+81.27	63.60'LT	1A	38.86'	L15
J7	SR RAB	104+00.13	57.13'RT	1A	42.07'	L16
J8	SR RAB	104+49.59	61.26'LT	1A	42.07'	L17
J9	SR RAB	104+77.58	105.53'LT	1A	41.28'	L18
J10	SR RAB	105+34.89	111.48'RT	1A	41.12'	L19
J11	SR RAB	105+61.19	114.79'LT	1A	43.88'	L21
J12	SR RAB	106+22.59	109.39'RT	1A	42.88'	L23
J13	SR RAB	105+24.73	131.85'LT	1A	43.70'	L24
J14	SR RAB	106+23.04	72.64'LT	1A	42.18'	L25
J15	SR RAB	106+53.11	62.97'RT	1A	44.36'	L26
J16	SR RAB	106+93.66	48.45'LT	1A	42.03'	L27
J17	SR RAB	108+16.39	57.76'RT	1A	41.05'	L28
J18	SR RAB	108+75.75	36.78'LT	1A	43.46'	L29
J19	SR RAB	109+59.25	52.01'RT	1A	40.06'	L30
J20	SR RAB	110+39.52	43.00'LT	1A	43.23'	L31
J34	SR RAB	100+39.00	40.12'RT	1A	38.35'	L9
J35	FD RAB	396+64.61	38.01'RT	1A	42.69'	L38
J36	FD RAB	398+87.86	36.14'LT	1A	46.02'	L40
J37	FD RAB	399+57.18	39.88'RT	1A	43.87'	L41
J38	SR RAB	111+39.34	35.19'RT	1A	43.39'	L32
J39	SR RAB	101+45.50	43.01'RT	1A	40.21'	L57
J40	SR RAB	106+95.91	60.51'RT	1A	43.13'	L58
J42	SR RAB	107+98.36	48.05'LT	1A	43.49'	L59
J44	FD RAB	408+81.22	27.00'LT	1A	*	LF9

* SET J-BOX TOP FLUSH WITH FINISHED GRADE.

DEMOLITION ELECTROLIER SUMMARY

NO.	MAST-ARM LENGTH	LUMINAIRE MOUNTING HEIGHT	STA LINE	STATION	OFFSET	POLE BASE ELEVATION	LUMINAIRE TYPE
LX1	UNK	30'	SR RAB	101+32.46	37.75'LT	N/A	150W HPS
LX2	UNK	30'	SR RAB	102+43.27	32.80'RT	N/A	150W HPS
LX3	UNK	30'	SR RAB	103+26.42	33.47'LT	N/A	150W HPS
LX4	UNK	30'	SR RAB	103+91.95	50.54'RT	N/A	150W HPS
LX5	UNK	30'	SR RAB	106+72.74	30.11'LT	N/A	150W HPS
LX6	UNK	30'	SR RAB	107+77.89	36.32'RT	N/A	150W HPS
LX7	UNK	30'	SR RAB	108+48.71	40.90'LT	N/A	150W HPS
LX8	UNK	30'	SR RAB	109+42.77	32.58'RT	N/A	150W HPS
LX9	UNK	30'	SR RAB	110+34.99	40.77'LT	N/A	150W HPS
LX16	UNK	30'	SR RAB	100+37.18	37.98'RT	N/A	150W HPS
LX17	UNK	30'	SR RAB	111+25.34	34.80'RT	N/A	150W HPS

SUMMARY NOTES:

1. PROVIDE 6" MINIMUM HORIZONTAL CLEARANCE BETWEEN ELECTROLIER BASE AND OTHER BURIED PIPES, STORM DRAINS, ETC. CONSULT WITH ENGINEER BEFORE ADJUSTING THE LOCATION OF ANY ELECTROLIER.

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

Jim Bergman 2.15.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

ELECTROLIER AND JUNCTION BOX
SUMMARIES

FIRM: MORRIS ENGINEERING GROUP, INC. FILE: P:\120 User Engineering\120_mendenhall loop road improvements\working drawings\electrolier and junction box\SCHEDULE.dwg
 PROJECT: JORDAN AVE #7, JUNEAU, AK 99801 DATE: 02/14/2020 LAYOUT: J19A
 PHONE: (907) 798-3350 DESIGNED: MORRIS CHECKED: MORRIS
 CERTIFICATE OF AUTH. # ACCL010 DRAFTED: WAKTS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J19A	J21

ADDITIVE ALTERNATE 1 ELECTROLIER SUMMARY

NO.	MAST-ARM LENGTH	LUMINAIRE MOUNTING HEIGHT	STA LINE	STATION	OFFSET	POLE BASE ELEVATION	LUMINAIRE TYPE	REMARKS
L37	UNK	30'	FD RAB	396+13.05	36.18'LT	44.79'	G	EXISTING POLE, NEW LUMINAIRE
L38	UNK	30'	FD RAB	396+61.89	37.81'RT	45.11'	G	EXISTING POLE, NEW LUMINAIRE
L39	UNK	30'	FD RAB	397+54.36	37.11'LT	45.18'	A	EXISTING POLE, NEW LUMINAIRE
L40	UNK	30'	FD RAB	398+86.18	34.42'LT	46.01'	F	EXISTING POLE, NEW LUMINAIRE
L41	UNK	30'	FD RAB	399+59.65	38.80'RT	43.45'	A	EXISTING POLE, NEW LUMINAIRE
L42	10	30'	FD RAB	400+29.73	34.23'LT	45.60'	A	NEW POLE AND LUMINAIRE
L43	10	30'	FD RAB	401+04.67	30.71'RT	46.60'	A	NEW POLE AND LUMINAIRE
L44	10	30'	FD RAB	401+97.12	31.69'RT	46.71'	A	NEW POLE AND LUMINAIRE
L45	10	30'	FD RAB	403+79.91	41.31'LT	49.40'	B	NEW POLE AND LUMINAIRE
L46	10'	30'	FD RAB	403+38.53	33.59'RT	48.46'	A	NEW POLE AND LUMINAIRE
L47	10	30'	FD RAB	404+11.13	71.61'RT	48.34'	A	NEW POLE AND LUMINAIRE
L48	10	30'	FD RAB	404+71.57	60.61'LT	49.03'	A	NEW POLE AND LUMINAIRE
L49	10	30'	FD RAB	404+85.91	177.60'RT	46.18'	A	NEW POLE AND LUMINAIRE
L50	10	30'	FD RAB	404+81.59	109.05'RT	47.27'	A	NEW POLE AND LUMINAIRE
L51	10	30'	FD RAB	405+66.57	28.92'LT	48.17'	B	NEW POLE AND LUMINAIRE
L52	10	30'	FD RAB	405+16.52	41.60'RT	48.10'	B	NEW POLE AND LUMINAIRE
L53	10	30'	FD RAB	406+59.65	30.33'RT	48.35'	B	NEW POLE AND LUMINAIRE
L54	8	30'	FD RAB	407+94.28	30.23'RT	47.29'	B	NEW POLE AND LUMINAIRE
L55	10	30'	FD RAB	408+63.17	41.44'LT	46.68'	A	NEW POLE AND LUMINAIRE
L56	UNK	30'	FD RAB	409+57.06	39.98'RT	45.82'	D	EXISTING POLE, NEW LUMINAIRE
L60	10	30'	FD RAB	402+54.76	31.94'LT	47.58'	B	NEW POLE AND LUMINAIRE

ADDITIVE ALTERNATE 1 JUNCTION BOX SUMMARY

NO.	STA LINE	STATION	OFFSET	TYPE	ELEV.	REMARKS
J21	FD RAB	400+26.43	36.53'LT	1A	42.63'	L42
J22	FD RAB	400+92.64	33.44'RT	1A	46.53'	L43
J23	FD RAB	401+89.90	44.34'RT	1A	46.70'	L44
J24	FD RAB	403+75.91	42.13'LT	1A	49.39'	L45
J25	FD RAB	403+35.80	49.09'RT	1A	48.72'	L46
J26	FD RAB	403+94.17	72.11'RT	1A	47.88'	L47
J27	FD RAB	404+77.57	60.83'LT	1A	49.01'	L48
J28	FD RAB	404+83.28	104.40'RT	1A	47.34'	L50
J29	FD RAB	405+71.48	29.25'LT	1A	48.13'	L51
J30	FD RAB	405+08.40	44.99'RT	1A	48.15'	L52
J31	FD RAB	406+73.04	32.25'RT	1A	48.55'	L53
J32	FD RAB	407+94.43	33.72'RT	1A	47.18'	L54
J33	FD RAB	408+63.20	44.94'LT	1A	46.57'	L55
J35	FD RAB	396+64.61	38.01'RT	1A	42.69'	L38
J36	FD RAB	398+87.86	36.14'LT	1A	46.02'	L40
J37	FD RAB	399+57.18	39.88'RT	1A	43.87'	L41
J41	FD RAB	404+86.59	173.15'RT	1A	46.93'	L49
J43	FD RAB	402+59.83	33.17'LT	1A	47.71'	L60


ADDITIVE ALTERNATE 1 DEMOLITION ELECTROLIER SUMMARY

NO.	MAST-ARM LENGTH	LUMINAIRE MOUNTING HEIGHT	STA LINE	STATION	OFFSET	POLE BASE ELEVATION	LUMINAIRE TYPE
LX10	UNK	30'	FD RAB	401+99.54	38.30'RT	N/A	150W HPS
LX11	UNK	30'	FD RAB	403+20.01	39.02'LT	N/A	150W HPS
LX12	UNK	30'	FD RAB	403+73.72	26.85'RT	N/A	150W HPS
LX13	UNK	30'	FD RAB	406+16.35	62.22'LT	N/A	150W HPS
LX14	UNK	30'	FD RAB	407+15.78	34.28'RT	N/A	150W HPS
LX15	UNK	30'	FD RAB	407+71.02	36.59'LT	N/A	150W HPS
LX18	UNK	30'	FD RAB	400+80.59	38.60'LT	N/A	150W HPS
LX19	UNK	30'	FD RAB	404+83.70	129.41'RT	N/A	150W HPS

SUMMARY NOTES:

- PROVIDE 6" MINIMUM HORIZONTAL CLEARANCE BETWEEN ELECTROLIER BASE AND OTHER BURIED PIPES, STORM DRAINS, ETC. CONSULT WITH ENGINEER BEFORE ADJUSTING THE LOCATION OF ANY ELECTROLIER.

ALL WORK ON THIS SHEET TO BE DONE IF ADDITIVE ALTERNATE IS AWARDED.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 ELECTROLIER AND JUNCTION BOX
 SUMMARIES
 (ADD. ALT. 1)

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J20	J21

SUMMARY OF LIGHTING LOAD CENTER: NO. 1

(EXISTING LOADS)

LOAD CENTER TYPE 3

LOCATION DATA: STA. "SR RAB" 96+13.33 51.74'RT/RT
 LOAD CENTER: EXISTING TO REMAIN
 POWER SOURCE: UTILITY POLE AT LOAD CENTER
 PHOTOELECTRIC CONTROL: YES, MOUNTED TO LOAD CENTER

SERVICE VOLTAGE: 1 PHASE, 3 WIRE, 240V, 60HZ
 INTERRUPTING CAPACITY OF CIRCUIT BREAKERS--SERIES RATED: 10,000AIC
 PROVIDE METER SOCKET: YES
 SERVICE AMPS: 100A

MAIN BREAKER A: 240V, 2 POLE, 100A
 PANEL A RATING: 120/240V, 1 PHASE, 3 WIRE, AMPS UNKNOWN
 CONTACTOR: 240V, 2 POLE, 100A

LOAD PANEL A SUMMARY

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1, 3	LTG 1, W SIDE, TO STEPHEN RICHARDS	0.5	20	2
2, 4	LTG 2, E SIDE, TO CHURCH DR.	0.5	20	2
5, 7	LTG 3, W SIDE, TO KODZOFF	0.7	20	2
6, 8	LTG 4, E SIDE TO HALOFF	0.8	15	2

PE CELL IS POWERED FROM CONTACTOR.

SUMMARY OF LIGHTING LOAD CENTER: NO. 2

(EXISTING LOADS)

LOAD CENTER TYPE 1A

LOCATION DATA: STA. "SR RAB" 106+50.6 65.08'RT
 LOAD CENTER: EXISTING TO BE RELOCATED
 POWER SOURCE: UTILITY POLE ADJACENT LOAD CENTER
 PHOTOELECTRIC CONTROL: YES

SERVICE VOLTAGE: 120/240V, 1 PHASE, 3 WIRE, 60HZ
 INTERRUPTING CAPACITY OF CIRCUIT BREAKERS--SERIES RATED: 10,000AIC
 PROVIDE METER SOCKET: YES
 SERVICE AMPS: 100A

MAIN BREAKER A: 240V, 100A, 2 POLE
 PANEL A RATING: 120/240V, 1 PHASE, 3 WIRE, 125A
 CONTACTOR: 30A, 12 POLE ON LOAD SIDE OF CIRCUIT BREAKERS

LOAD PANEL A SUMMARY

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1, 3	SPACE			
2	SIGNAL	0.5	50	1
4	REMOVED FLASHER AT TRINITY DR.	0.0	15	1
5, 7	SIGNAL CABINET HEATER		20	2
6, 8	SPARE		20	2
9, 11	LTG 1		15	2
10	CONTROL	1.1	15	1
12	SCHOOL FLASHER	0.1	15	1

* REMOVE CIRCUITS OUT TO DEVICES IN FIELD.

EXISTING LOAD CENTER SUMMARY

NO.	STA LINE	STATION	OFFSET	REMARKS
1	SR RAB	96+13.33	51.74'RT	EXISTING TO REMAIN
2	SR RAB	106+50.6	65.08'RT	EXISTING TO BE RELOCATED
3	SR RAB	114+61.66	50.97'LT	TO BE REMOVED
4	FD RAB	404+66.62	67.41'LT	EXISTING TO REMAIN (ADD. ALT. 1)

SUMMARY OF LIGHTING LOAD CENTER: NO. 3

(EXISTING LOADS)

LOAD CENTER TYPE 2

LOCATION DATA: STA. "SR RAB" 114+61.66 50.97'LT
 LOAD CENTER: EXISTING TO BE REMOVED
 POWER SOURCE: UTILITY POLE LOAD CENTER IS MOUNTED TO PHOTOELECTRIC CONTROL: YES

SERVICE VOLTAGE: 120/240V, 1 PHASE, 3 WIRE
 INTERRUPTING CAPACITY OF CIRCUIT BREAKERS--SERIES RATED: 10,000AIC
 PROVIDE METER SOCKET: YES
 SERVICE AMPS: 100A

MAIN BREAKER A: 100A, 2 POLE, 240V
 PANEL A RATING: 120/240V, 1 PHASE, 3 WIRE, AMPS UNKNOWN
 CONTACTOR: 240V, 2 POLE, 100A

LOAD PANEL A SUMMARY

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1, 3	LTG 1--LX6, LX8, L32, L34, L36, L38	1.2	20	2
2, 4	LTG 2--LX5, LX7, LX9, L33, L35, L37, L39, L40	1.6	20	2

SUMMARY OF LIGHTING LOAD CENTER: NO. 4

(EXISTING LOADS)

LOAD CENTER TYPE 1A

LOCATION DATA: STA. "FD RAB" 404+66.62 67.41'LT
 LOAD CENTER: EXISTING TO REMAIN
 POWER SOURCE: ADJACENT UTILITY POLE *
 PHOTOELECTRIC CONTROL:

SERVICE VOLTAGE: 120/240V, 1 PHASE, 3 WIRE
 INTERRUPTING CAPACITY OF CIRCUIT BREAKERS--SERIES RATED: 10,000AIC
 PROVIDE METER SOCKET: YES
 SERVICE AMPS: 100A

MAIN BREAKER A: 100A, 2 POLE, 240V
 PANEL A RATING: 120/240V, 1 PHASE, 3 WIRE, 100A
 CONTACTOR: 30A, 12 POLE

LOAD PANEL A SUMMARY

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1	FLASHER PANEL HTR		20	1
2	CONTROL	0.1	20	2
3	FLASHER PANEL CONTROLLER		20	1
4	CONTACTOR COIL		20	2
5, 7	LTG 1	0.5	20	2
6, 8	LTG 2 (SPARE)		20	2
9, 11	LTG 3 (SPARE)		20	2
10	SPARE		20	1

* ADDITIVE ALTERNATE WORK. COORDINATE WITH AEL&P TO DISCONNECT SERVICE AND PROVIDE A NEW 120/240V, 1 PHASE, 3 WIRE, 100A SERVICE FROM POLE ON EL CAMINO STREET. PROVIDE 2"O, 3 NO. 2 FROM LOAD CENTER TO POLE ROUTE UP POLE 10' ON STANDOFFS. COORDINATE WITH AEL&P TO CO POWER. PAY AEL&P FOR THEIR WORK.

- NOTES:
- STATION AND OFFSET INFORMATION GIVEN TO CENTER OF LOAD CENTER.
 - EXCAVATE AND BACKFILL 12" MIN ALL SIDES OF LOAD.

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

Jim Bergan 2.15.23
 Signature Date



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**

EXISTING LOAD CENTER SUMMARIES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	J21	J21

SUMMARY OF LIGHTING LOAD CENTER: NO. 1				
(NEW LOADS)				
LOAD CENTER TYPE 3				
LOCATION DATA: STA. "SR RAB" 96+13.33 51.74'RT				
LOAD CENTER: EXISTING				
POWER SOURCE: UTILITY POLE AT LOAD CENTER				
PHOTOELECTRIC CONTROL: YES, MOUNTED TO LOAD CENTER				
SERVICE VOLTAGE: 1 PHASE, 3 WIRE, 240V, 60HZ				
INTERRUPTING CAPACITY OF CIRCUIT BREAKERS--SERIES RATED: 10,000AIC				
PROVIDE METER SOCKET: YES				
SERVICE AMPS: 100A				
MAIN BREAKER A: 240V, 2 POLE, 100A				
PANEL A RATING: 120/240V, 1 PHASE, 3 WIRE, AMPS UNKNOWN				
CONTACTOR: 240V, 2 POLE, 100A				
LOAD PANEL A SUMMARY				
CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1, 3	SPARE	0.0	20	2
2, 4	LTG 2, E SIDE, TO CHURCH DR.	0.5	20	2
5, 7	LTG 3, W SIDE, TO KODZOFF	0.7	20	2
6, 8	SPARE	0.0	15	2
PE CELL IS POWERED FROM CONTACTOR.				

SUMMARY OF LIGHTING LOAD CENTER: NO. 2				
(NEW LOADS, PROVIDE NEW C/B'S AS SHOWN)				
LOAD CENTER TYPE 1A				
LOCATION DATA: STA. "SR RAB" 104+27.38 76.38'RT				
LOAD CENTER: RELOCATED EXISTING				
POWER SOURCE: UTILITY POLE ADJACENT LOAD CENTER				
PHOTOELECTRIC CONTROL: YES				
SERVICE VOLTAGE: 120/240V, 1 PHASE, 3 WIRE, 125A				
INTERRUPTING CAPACITY OF CIRCUIT BREAKERS--SERIES RATED: 10,000AIC				
PROVIDE METER SOCKET: YES				
SERVICE AMPS: 100A				
MAIN BREAKER A: 240V, 100A, 2 POLE				
PANEL A RATING: 120/240V, 1 PHASE, 3 WIRE, 125A				
CONTACTOR: 30A, 12 POLE ON LOAD SIDE OF CIRCUIT BREAKERS				
LOAD PANEL A SUMMARY				
CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1, 3	LTG 1--L5, L7, L9, L10, L12, L14	1.2	20	2
2, 4	LTG 2--L16, L21, L19, L23, L26, L28, L30, L32, L34	2.1	20	2
5, 7	LTG 3--L6, L8, L11, L13, L15	0.9	20	2
6, 8	LTG 4--L17, L18, L24, L25, L27, L29, L31, L33, L35	2.0	20	2
9, 11	SPARE		20	2
10	PEDESTRIAN FLASHERS	0.1	20	1
12	SCHOOL FLASHERS	0.1	20	1
* NEW CIRCUIT BREAKER (WESTINGHOUSE BAB TO MATCH EXISTING)				

SUMMARY OF LIGHTING LOAD CENTER: NO. 4				
(NEW LOADS, PROVIDE NEW C/B'S AS SHOWN)				
LOAD CENTER TYPE 1A				
LOCATION DATA: STA. "FD RAB" 404+66.62 67.41'LT				
LOAD CENTER: EXISTING				
POWER SOURCE: NEW SERVICE FROM POLE ON N. EL CAMINO STREET				
PHOTOELECTRIC CONTROL: YES				
SERVICE VOLTAGE: 120/240V, 1 PHASE, 3 WIRE				
INTERRUPTING CAPACITY OF CIRCUIT BREAKERS--SERIES RATED: 10,000AIC				
PROVIDE METER SOCKET: YES				
SERVICE AMPS: 100A				
MAIN BREAKER A: 100A, 2 POLE, 240V				
PANEL A RATING: 120/240V, 1 PHASE, 3 WIRE, 100A				
CONTACTOR: 30A, 12 POLE				
LOAD PANEL A SUMMARY				
CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
1	PEDESTRIAN FLASHER	0.5	20	1
2	CONTROL (120V)	0.1	20	1
3	SCHOOL FLASHER	0.3	20	1
4	CONTACTOR (120V)	0.1	20	1
5, 7	LTG 1--L48, L45, L42, L40, L39, L37	1.1	20	2
6, 8	LTG 2--L46, L44, L43, L41, L38, L36	1.2	20	2
9, 11	LTG 3--L47, L50, L52, L54	0.8	20	2
10, 12	LTG 4--L51, L53, L55	0.5	20	2
* NEW CIRCUIT BREAKER (WESTINGHOUSE BAB TO MATCH EXISTING).				
ALL WORK SHOWN ON LOAD CENTER NO. 4 IS ADDITIVE ALTERNATE 1 WORK				

NEW LOAD CENTER SUMMARY				
NO.	STA LINE	STATION	OFFSET	REMARKS
1	SR RAB	96+13.33	51.74'RT	EXISTING
2	SR RAB	104+27.38	76.38'RT	RELOCATED EXISTING, NEW C/B'S
3				REMOVED
4	FD RAB	404+66.62	67.41'LT	EXISTING, NEW C/B'S (ADD. ALT. 1)

NOTES:

- STATION AND OFFSET INFORMATION GIVEN TO CENTER OF LOAD CENTER.
- PROVIDE TYPE 1A LOAD CENTERS PER STANDARD DRAWINGS L-25.00. PROVIDE A JUNCTION BOX NEXT TO LOAD CENTER. ROUTE 3" INTO JUNCTION BOX FOR FUTURE LOADS.
- EXCAVATE AND BACKFILL 12" MIN ALL SIDES OF LOAD CENTER PER SPECIFICATION SECTION 204.
- MODIFY UTILITY CONDUIT SIZE FROM 2" AS SHOWN ON STANDARD DRAWINGS L-25.00 TO 2-1/2".

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

Jim Bergman 2.15.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS

NEW LOAD CENTER SUMMARIES

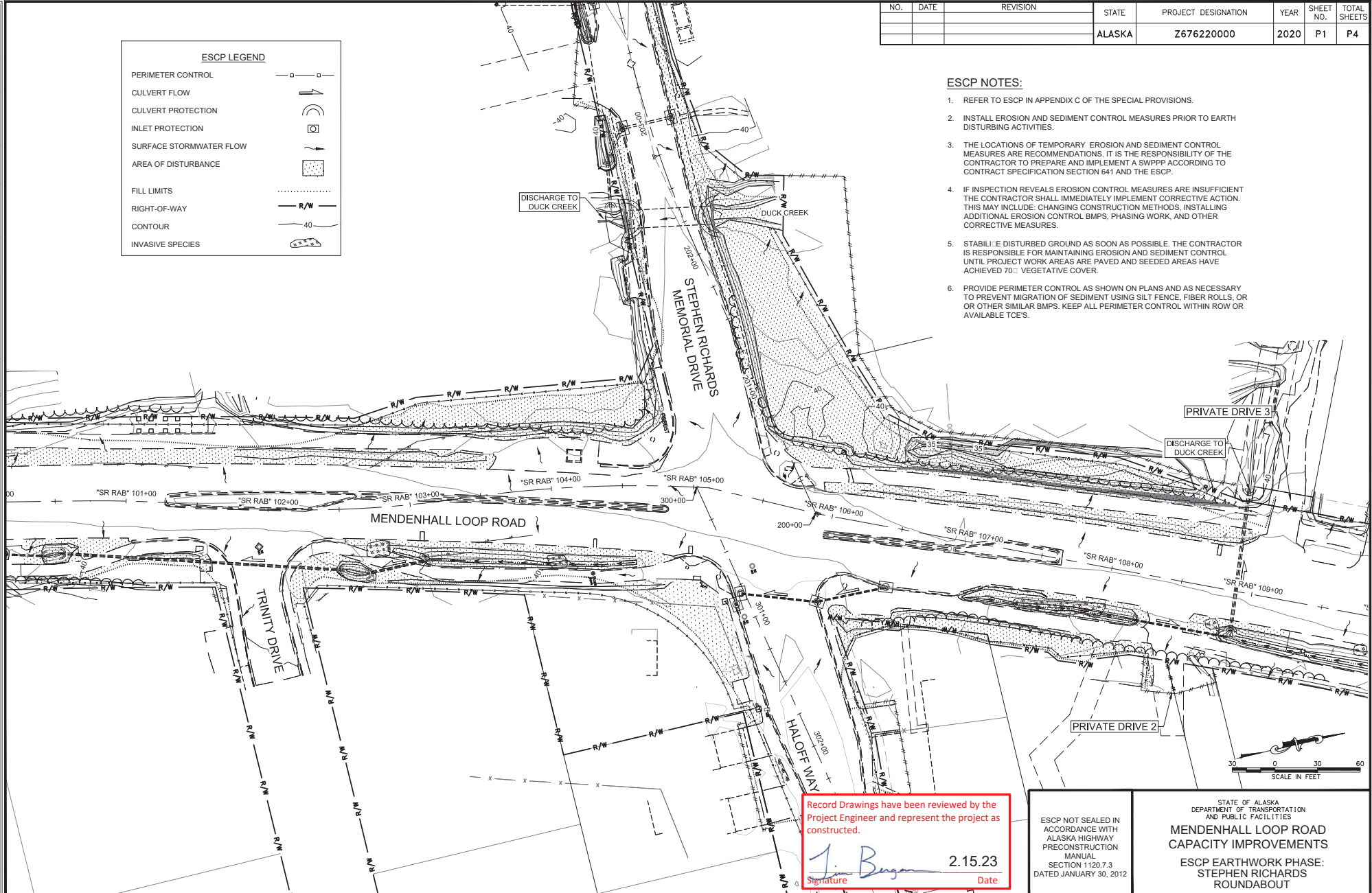
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 CERTIFICATE OF AUTH. #1 AELCB48
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	P1	P4

ESCP LEGEND	
PERIMETER CONTROL	
CULVERT FLOW	
CULVERT PROTECTION	
INLET PROTECTION	
SURFACE STORMWATER FLOW	
AREA OF DISTURBANCE	
FILL LIMITS	
RIGHT-OF-WAY	
CONTOUR	
INVASIVE SPECIES	

ESCP NOTES:

- REFER TO ESCP IN APPENDIX C OF THE SPECIAL PROVISIONS.
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO EARTH DISTURBING ACTIVITIES.
- 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.
- IF INSPECTION REVEALS EROSION CONTROL MEASURES ARE INSUFFICIENT THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. THIS MAY INCLUDE: CHANGING CONSTRUCTION METHODS, INSTALLING ADDITIONAL EROSION CONTROL BMPs, PHASING WORK, AND OTHER CORRECTIVE MEASURES.
- STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE PAVED AND SEEDING AREAS HAVE ACHIEVED 70% VEGETATIVE COVER.
- PROVIDE PERIMETER CONTROL AS SHOWN ON PLANS AND AS NECESSARY TO PREVENT MIGRATION OF SEDIMENT USING SILT FENCE, FIBER ROLLS, OR OTHER SIMILAR BMPs. KEEP ALL PERIMETER CONTROL WITHIN ROW OR AVAILABLE TCE'S.



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

 Signature Date 2.15.23

ESCP NOT SEALED IN
 ACCORDANCE WITH
 ALASKA HIGHWAY
 PRECONSTRUCTION
 MANUAL
 SECTION 1120.7.3
 DATED JANUARY 30, 2012

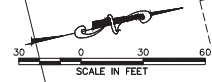
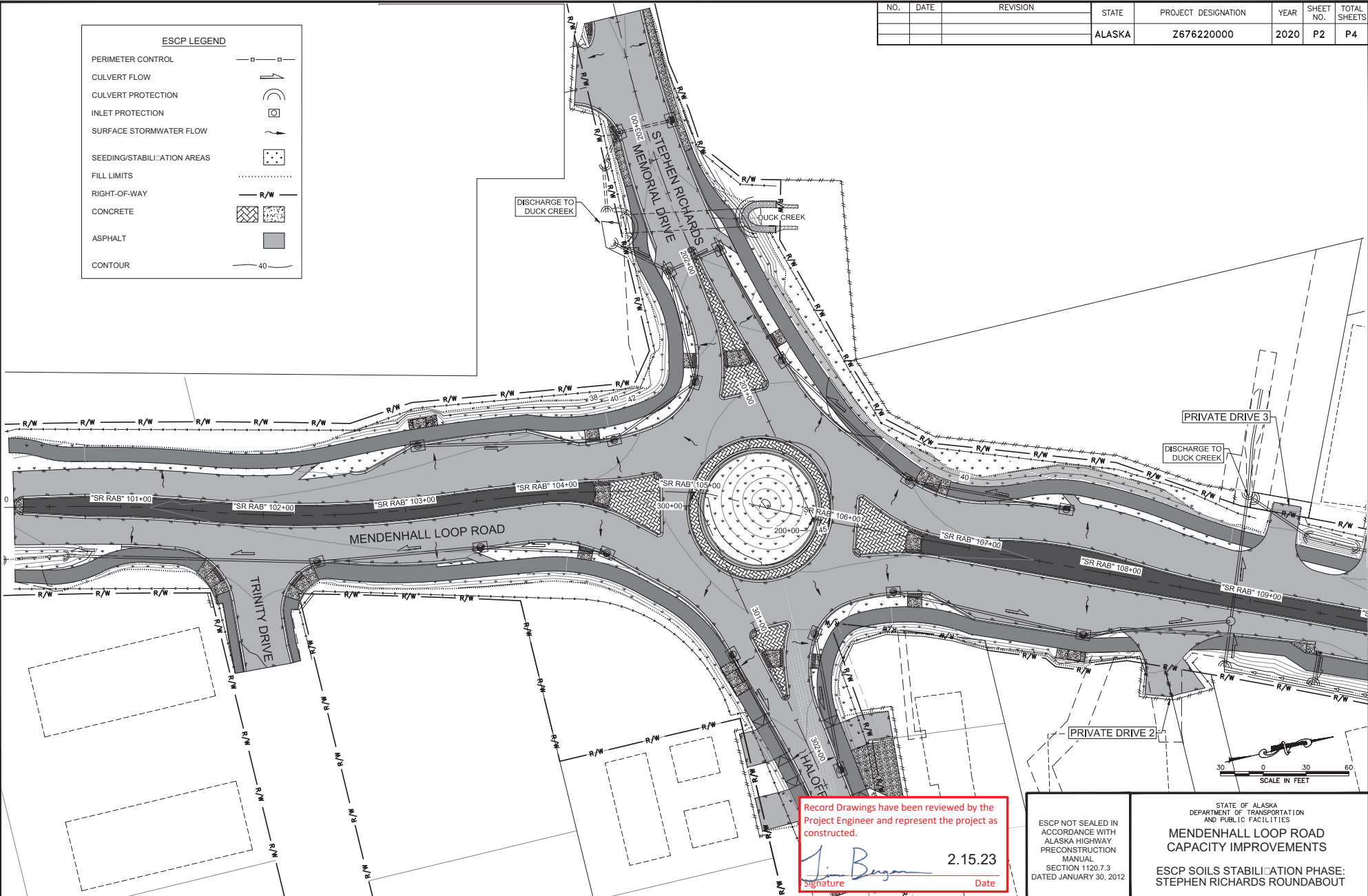
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 ESCP EARTHWORK PHASE:
 STEPHEN RICHARDS
 ROUNDABOUT


9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HOBBS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH #1 AELCB48
 DATE 2/13/2020 LAYOUT P2
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	P2	P4

ESCP LEGEND

- PERIMETER CONTROL
- CULVERT FLOW
- CULVERT PROTECTION
- INLET PROTECTION
- SURFACE STORMWATER FLOW
- SEEDING/STABILIZATION AREAS
- FILL LIMITS
- RIGHT-OF-WAY
- CONCRETE
- ASPHALT
- CONTOUR



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

 Signature Date 2.15.23

ESCP NOT SEALED IN
 ACCORDANCE WITH
 ALASKA HIGHWAY
 PRECONSTRUCTION
 MANUAL
 SECTION 1120.7.3
 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 ESCP SOILS STABILIZATION PHASE:
 STEPHEN RICHARDS ROUNDABOUT

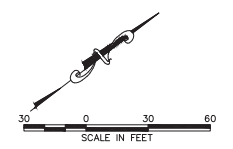
9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORRIS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J AECUB48
 DATE 2/13/2020 LAYOUT P3
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	P3	P4



ESCP LEGEND

PERIMETER CONTROL	
CULVERT FLOW	
CULVERT PROTECTION	
INLET PROTECTION	
SURFACE STORMWATER FLOW	
AREA OF DISTURBANCE	
FILL LIMITS	
RIGHT-OF-WAY	
CONTOUR	
INVASIVE SPECIES	



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

Jim Bergan 2.1523
 Signature Date

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED JANUARY 30, 2012

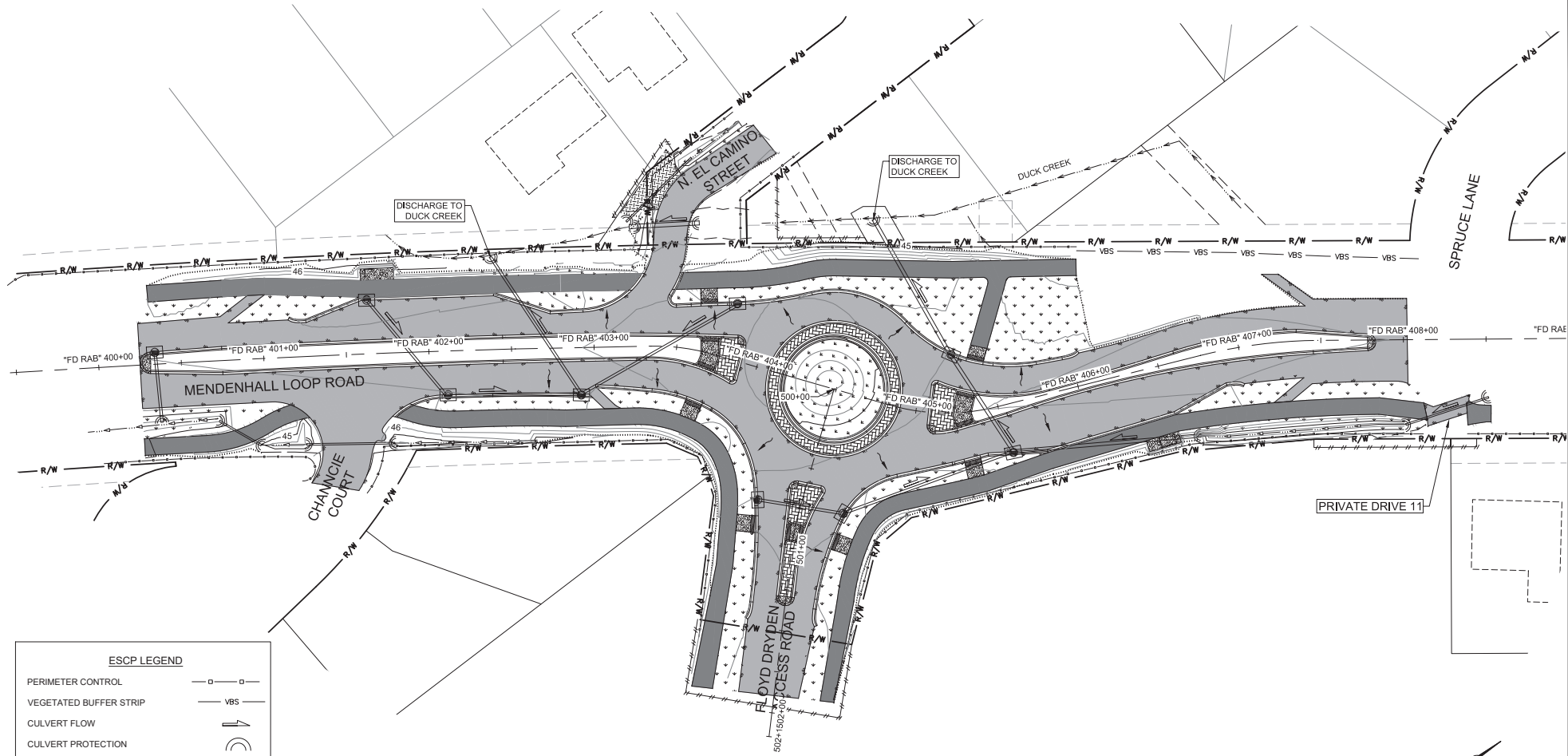
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS

ESCP EARTHWORK PHASE:
 FLOYD DRYDEN ROUNDABOUT
 ADD. ALT. 1 □

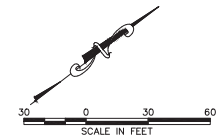
9065 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE (907) 760-3633
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 CHECKED: NOBLE
 DRAFTED: WESTPHAL
 CERTIFICATE OF AUTH # | AECUB48
 DATE 2/13/2020 | LAYOUT | P4
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	P4	P4



ESCP LEGEND

PERIMETER CONTROL	
VEGETATED BUFFER STRIP	
CULVERT FLOW	
CULVERT PROTECTION	
INLET PROTECTION	
SURFACE STORMWATER FLOW	
SEEDING/STABILIZATION AREAS	
FILL LIMITS	
RIGHT-OF-WAY	
CONCRETE	
ASPHALT	
CONTOUR	



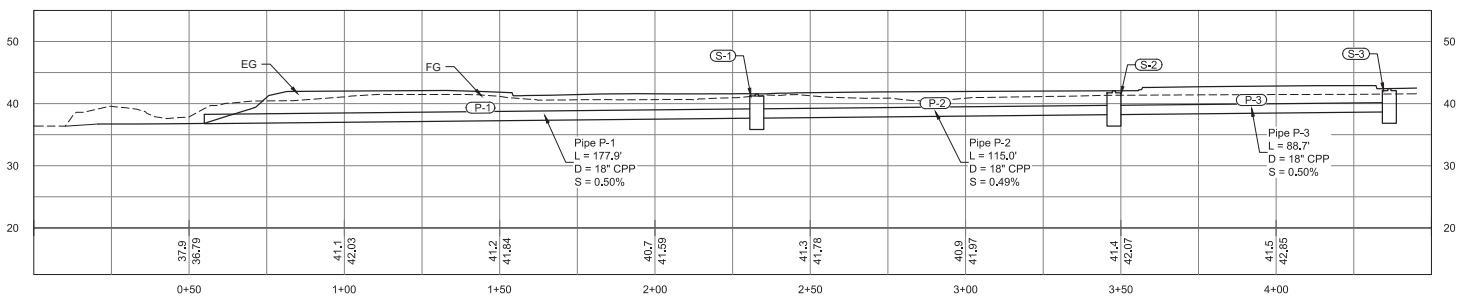
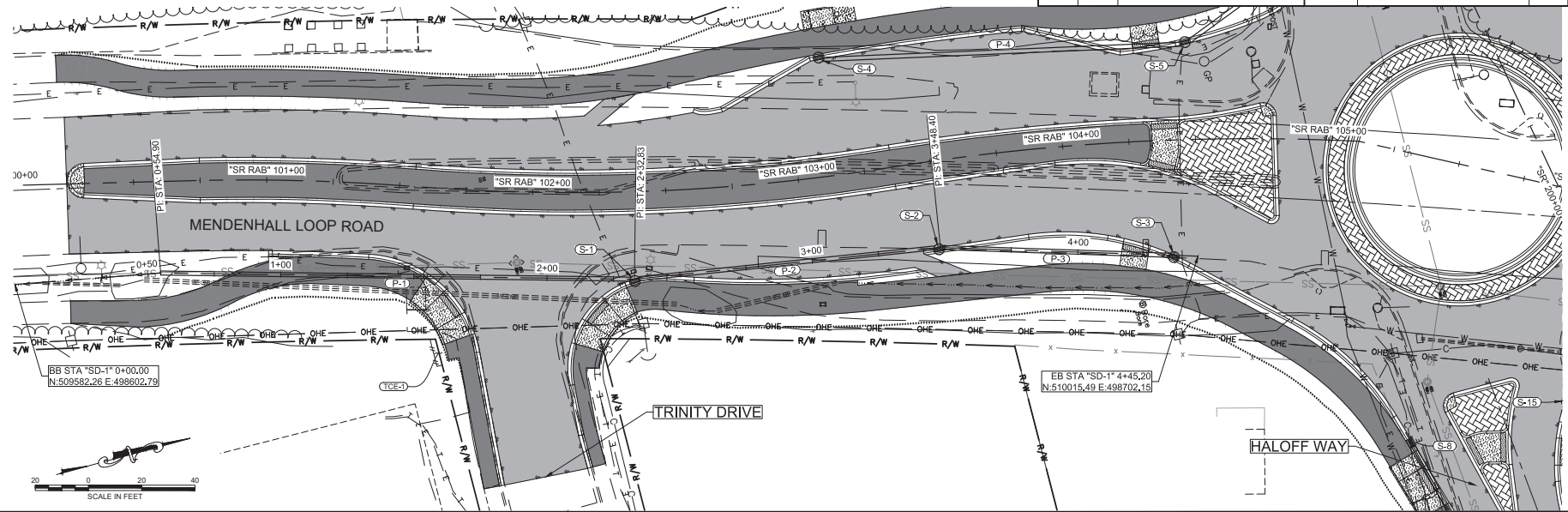
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature 2.15.23
 Date

ESCP NOT SEALED IN
 ACCORDANCE WITH
 ALASKA HIGHWAY
 PRECONSTRUCTION
 MANUAL
 SECTION 1120.7.3
 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 ESCP SOILS STABILIZATION PHASE:
 FLOYD DRYDEN ROUNDABOUT
 ADD. ALT. 1


9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 786-3633 | CERTIFICATE OF AUTH. # ALCUR48
 DESIGNED HORRIS | CHECKED INRLE | DRAWN WESTPAL
 DATE 2/13/2020 | LAYOUT 01
 FILE C:\G1\11_30_Projects\10\10_2A\10776-02\G1\11\SC-C1-SD-0-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q1	Q10



SR RAB STORM DRAIN PROFILE - "SD-1"

- NOTES:**
- CULVERT AND D-SHEETS.
 - PROFILES ONLY SYSTEMS. SEE

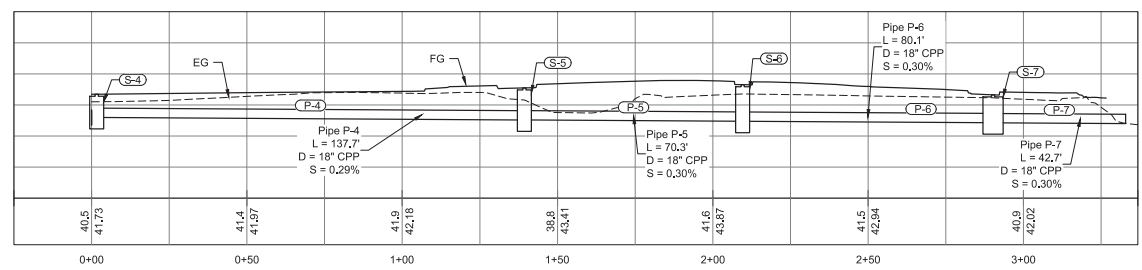
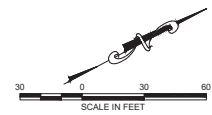
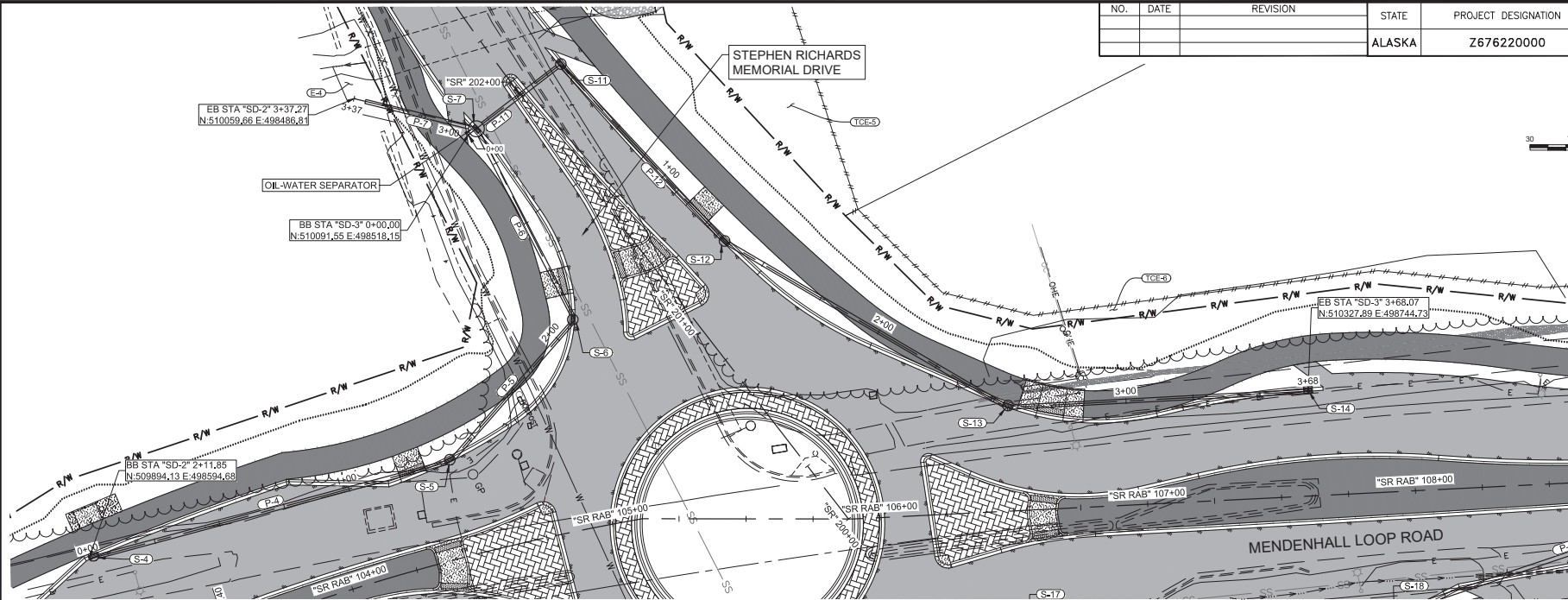
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

 Signature Date 2.15.23



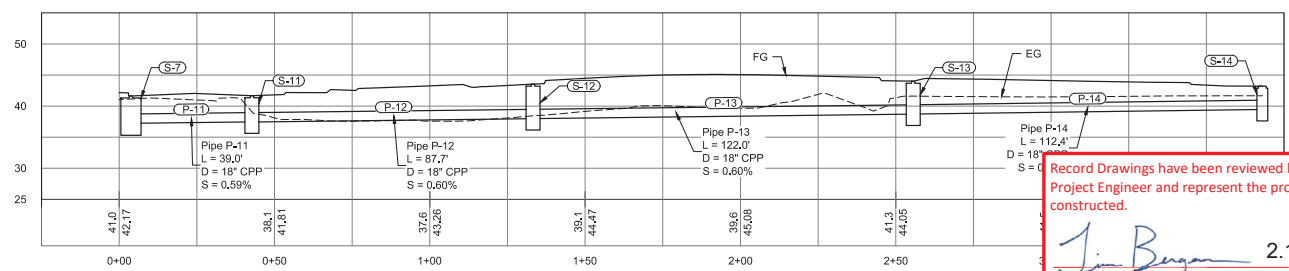
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 STEPHEN RICHARD ROUNDABOUT PIPED STORM DRAIN SYSTEMS

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 DATE 2/13/2020 LAYOUT 02
 DESIGNED HORBS
 CHECKED NOBLE
 DRAWN WESTPHAL
 CERTIFICATE OF AUTH #1 ACCL848
 PHONE (907) 760-3633
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q2	Q10




SR RAB STORM DRAIN PROFILE - "SD-2"



SR RAB STORM DRAIN PROFILE - "SD-3"

- NOTES:**
- CULVERT AND STRUCTURE DETAILS ARE LOCATED IN THE D-SHEETS.
 - PROFILES ONLY SHOWING UNDERGROUND PIPED STORM DRAIN SYSTEMS. SEE G-SHEETS FOR APPROACH CULVERTS.

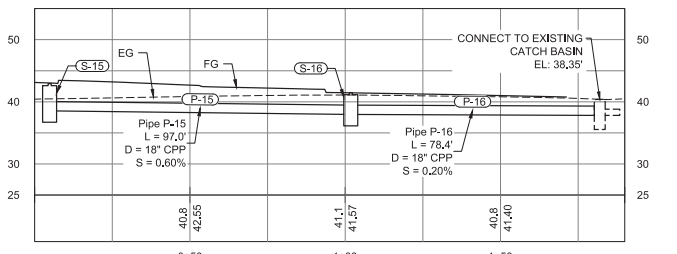
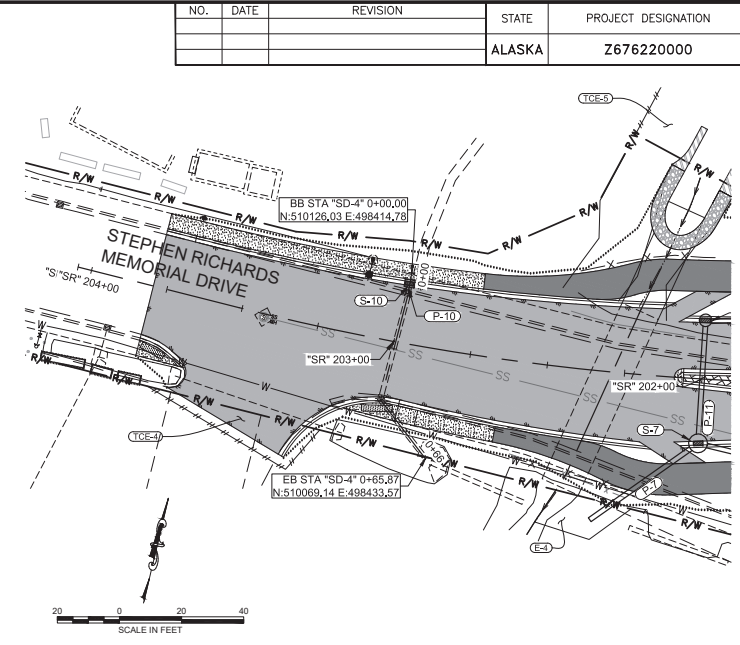
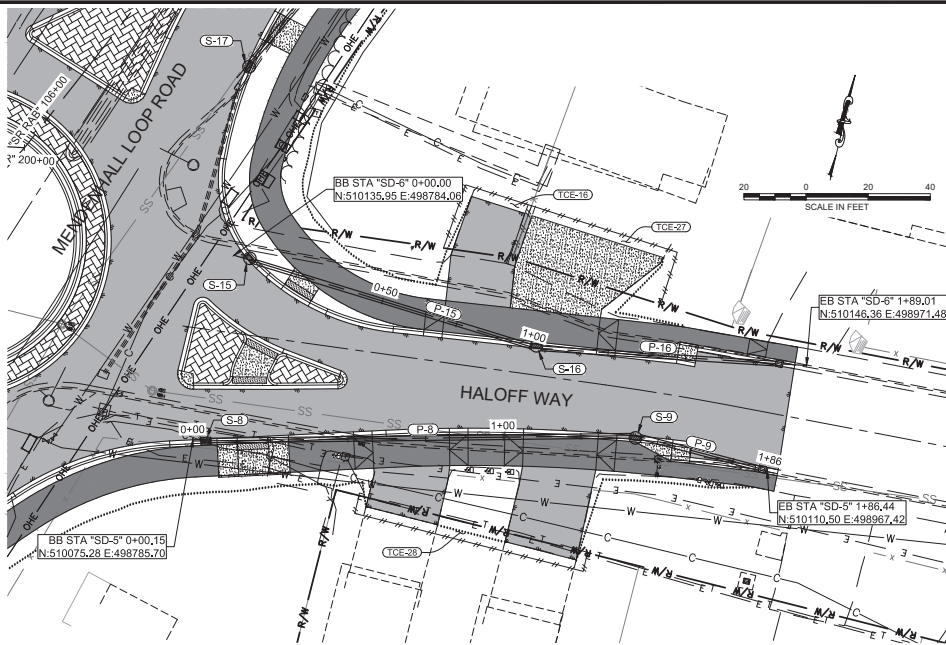
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature Date 2.15.23



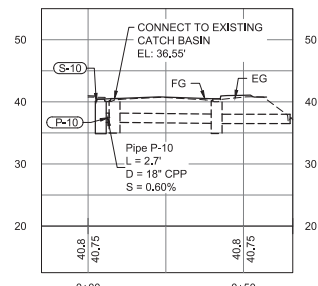
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PIPED STORM DRAIN SYSTEMS

9085 GLACIER HIGHWAY - JUNEAU, AK 99801 | PHONE: (907) 780-3633 | CERTIFICATE OF AUTH # J ALCB48
 2/13/2020 | LAYOUT | 03 | DESIGNED: TORRES | CHECKED: INBIE | DRAFTED: WESTPHAL
 FILE: C:\G1\11_30_Projects\2018\2A\20776-02\G1\11\SC-C1-SD-0-70776.dwg

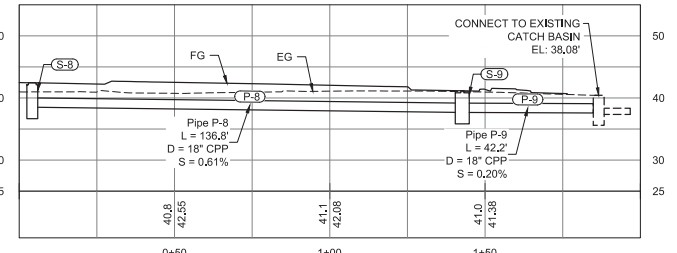
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q3	Q10



SR RAB STORM DRAIN PROFILE - "SD-6"



SR RAB STORM DRAIN PROFILE - "SD-4"



SR RAB STORM DRAIN PROFILE - "SD-5"

- NOTES:**
- CULVERT AND STRUCTURE DETAILS ARE LOCATED IN THE D-SHEETS.
 - PROFILES ONLY SHOWING UNDERGROUND PIPED STORM DRAIN SYSTEMS. SEE G-SHEETS FOR APPROACH CULVERTS.

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

Jim Bergan 2.15.23
Signature Date



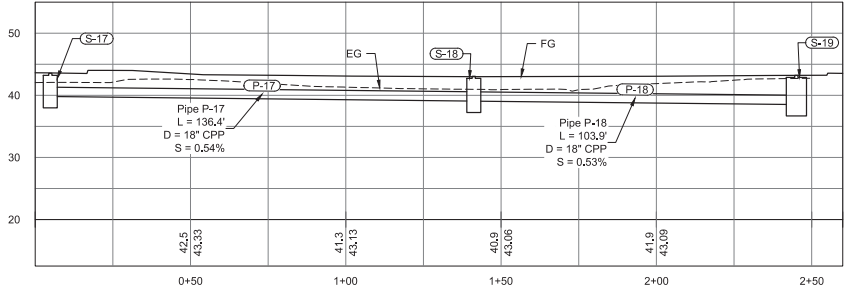
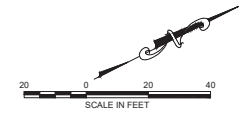
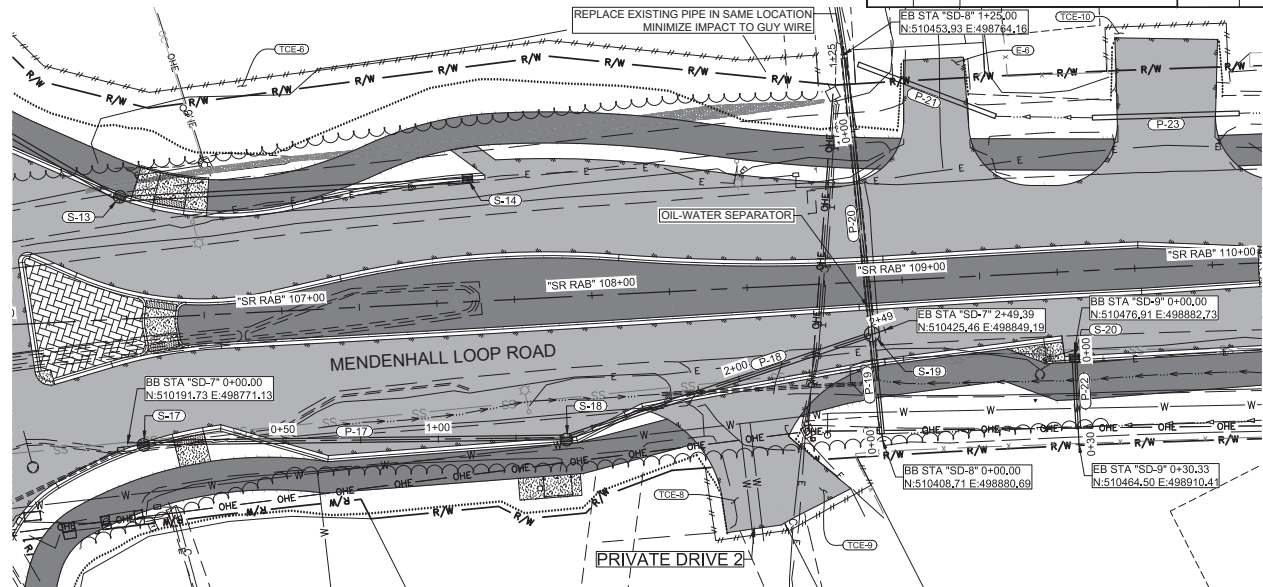
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS**

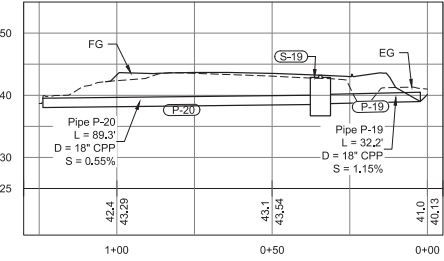
STEPHEN RICHARDS ROUNDABOUT
PIPED STORM DRAIN SYSTEMS

CERTIFICATE OF AUTH #1 AECUB48
 DRAFTED WESTPHAL
 CHECKED NOBLE
 DESIGNED HOBBS
 DATE 2/13/2020 LAYOUT 04
 PHONE (907) 760-3633
 9065 GLACIER HIGHWAY, JUNEAU, AK 99801
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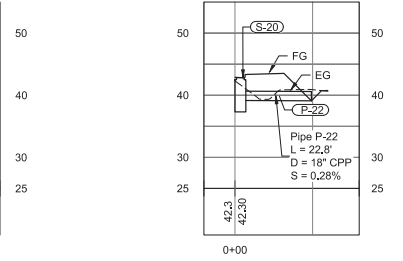
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q4	Q10



SR RAB STORM DRAIN PROFILE - "SD-7"




SR RAB STORM DRAIN PROFILE - "SD-8"



SR RAB STORM DRAIN PROFILE - "SD-9"

NOTES:

- CULVERT AND STRU D-SHEETS.
- PROFILES ONLY SHG SYSTEMS. SEE G-SH

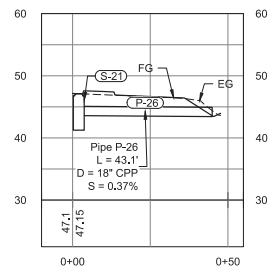
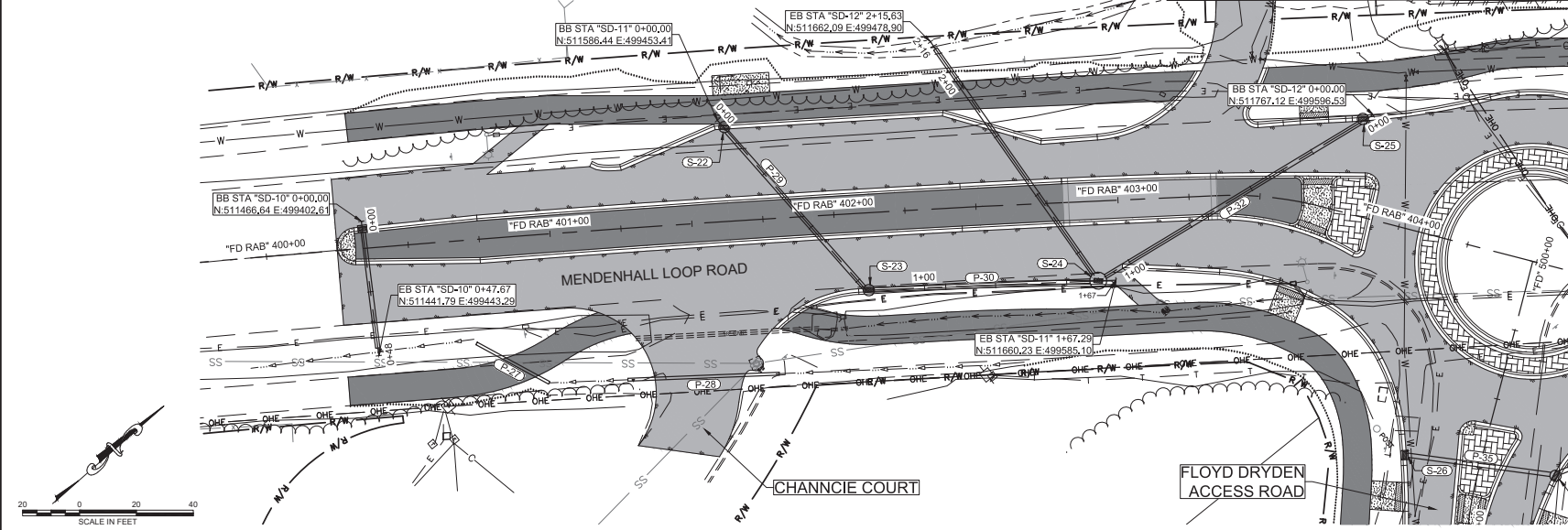
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

 Signature 2.15.23
 Date



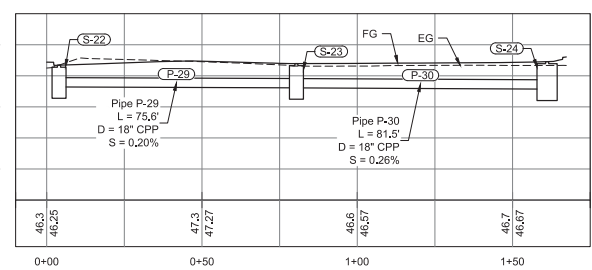
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 STEPHEN RICHARDS ROUNDABOUT
 PIPED STORM DRAIN SYSTEMS

9065 GLACIER HIGHWAY - JUNEAU, AK 99801 | PHONE (907) 760-3533 | CERTIFICATE OF AUTHORITY # | ALCUB48
 2/13/2020 | LAYOUT | DS | DESIGNED | HOBBS | CHECKED | NOBLE | DRAFTED | WESTPHAL

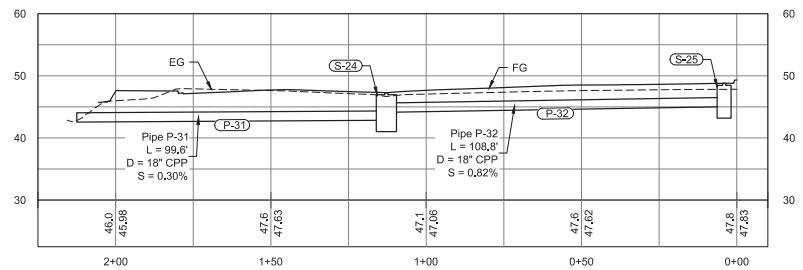
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q5	Q10



FD RAB STORM DRAIN PROFILE - "SD-10"



FD RAB STORM DRAIN PROFILE - "SD-11"



FD RAB STORM DRAIN PROFILE - "SD-12"

NOTES:

- CULVERT AND D-SHEETS.
- PROFILES ON SYSTEMS. SEE

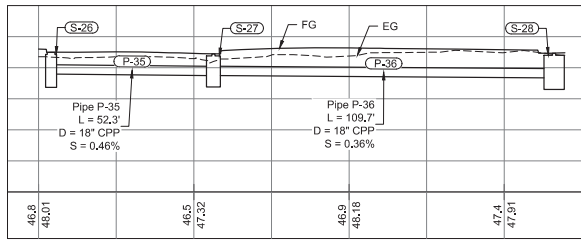
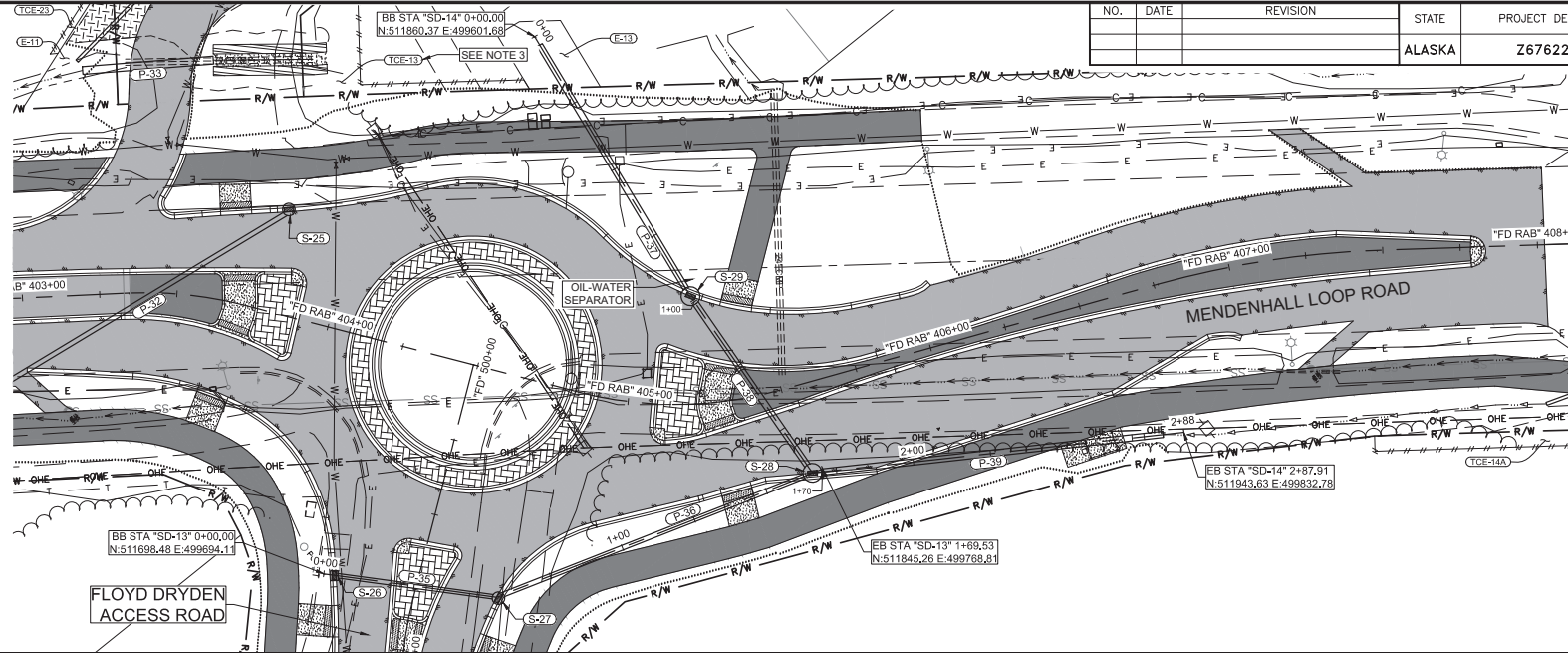
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergen 2.15.23
 Signature Date



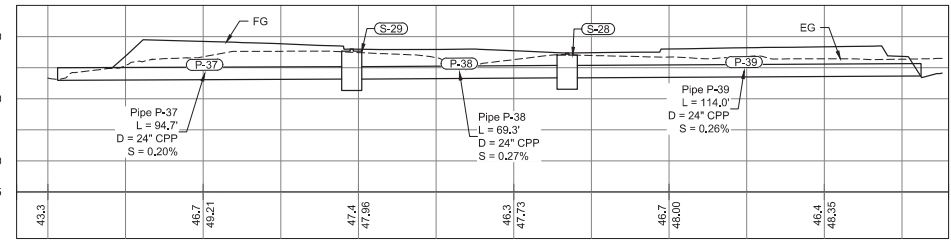
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 PIPED STORM DRAIN SYSTEMS
 (ADD. ALT. 1)**

CERTIFICATE OF AUTH #1 ALCUR48
 DRAWN WESTHAL
 CHECKED INOBE
 DESIGNED HOBBS
 DATE 2/13/2020 LAYOUT 06
 PHONE (907) 760-3533
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q6	Q10



FD RAB STORM DRAIN PROFILE - "SD-13"



FD RAB STORM DRAIN PROFILE - "SD-14"

NOTES:

- CULVERT AND STRUCTURE DETAILS D-SHEETS.
- PROFILES ONLY SHOWING UNDERGR SYSTEMS. SEE G-SHEETS FOR APPR
- LIMIT DISTURBANCE TO STREAM BAN

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

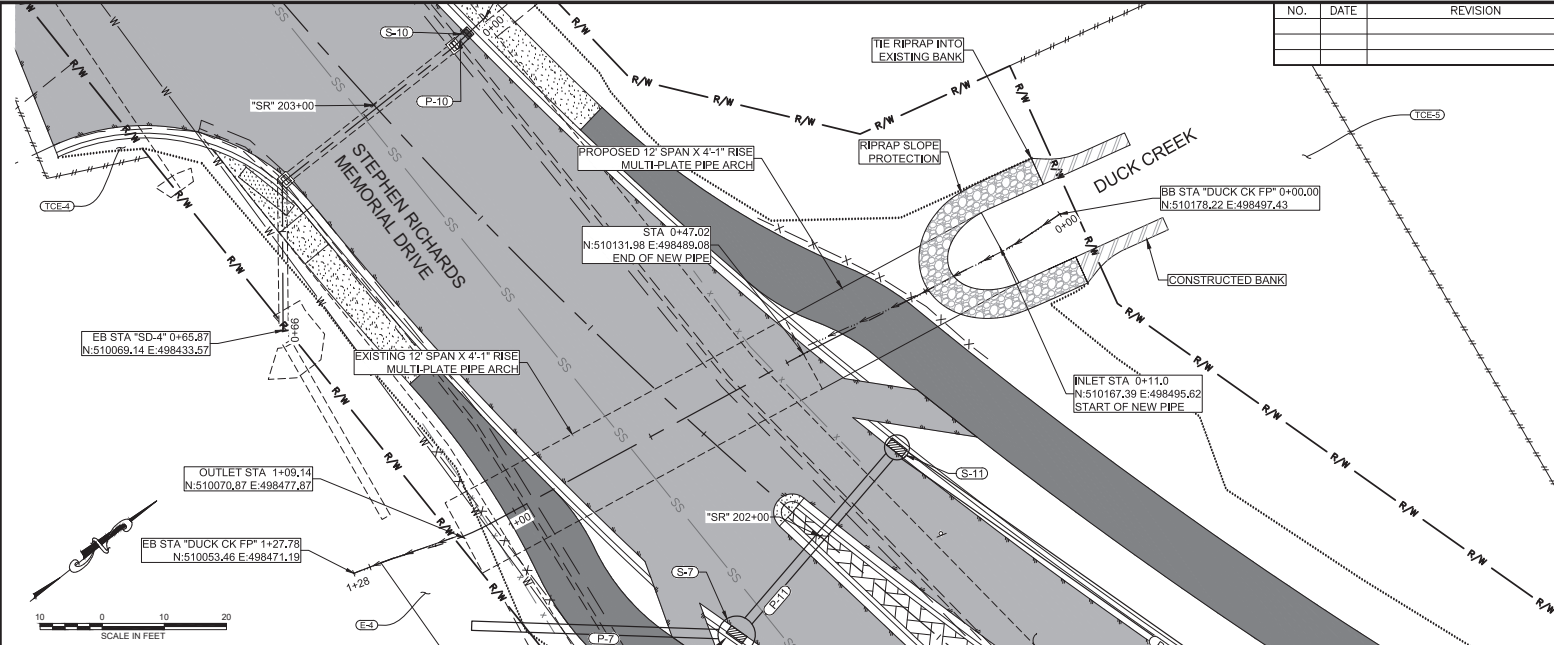
Jim Benjamin 2.15.23
Signature Date



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

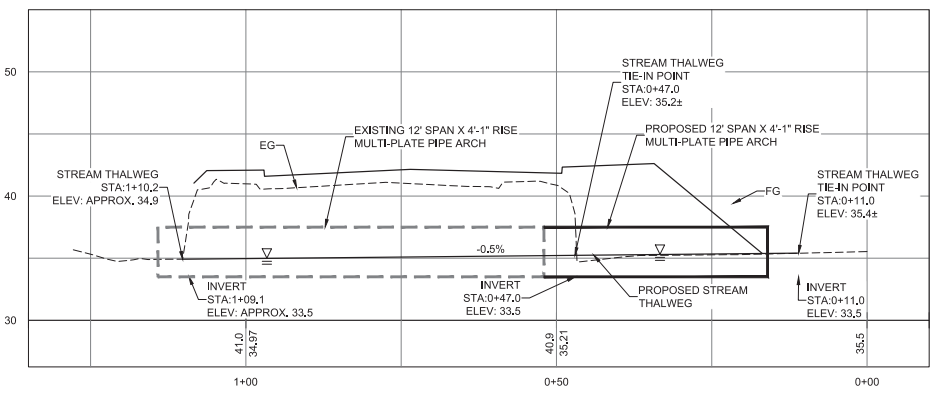
**MENDENHALL LOOP ROAD
CAPACITY IMPROVEMENTS
FLOYD DRYDEN ROUNDABOUT
PIPED STORM DRAIN SYSTEMS
(ADD. ALT. 1)**

CERTIFICATE OF AUTH #1 AECUB48
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 DESIGNED HOBBS
 DATE 2/13/2020 LAYOUT 07
 PHONE (907) 760-3633
 DESIGNED HOBBS
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 9045 GLACIER HIGHWAY, JUNEAU, AK 99801
 2/13/2020 LAYOUT 07
 DATE
 2/13/2020 LAYOUT 07
 DATE
 2/13/2020 LAYOUT 07
 DATE



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q7	Q10


- NOTES:**
- EXTEND EXISTING 12" SPAN BY 4'-1" RISE MULTI-PLATE PIPE ARCH AS SHOWN.
 - VERIFY EXISTING CULVERT INVERT ELEVATIONS AND MATCH INVERT ELEVATION FOR PROPOSED CULVERT. THALWAG SLOPE MAY NOT MATCH SLOPE OF CULVERT.
 - LIMIT DISTURBANCE TO STREAM BANKS DURING CONSTRUCTION.
 - TIE STREAM BED MATERIAL INTO EXISTING STREAM THALWEG.
 - USE CHANNEL GRADING AND BANK REVEGETATION AND PROTECTION AS NECESSARY TO TIE INTO EXISTING STREAM BANKS.
 - SEE STEPHEN RICHARDS MEMORIAL DRIVE DUCK CREEK DETAILS ON SHEET Q8.



DUCK CREEK FISH PASSAGE PROFILE - "DUCK CK FP"

HYDROLOGIC & HYDRAULIC SUMMARY				
EXCEEDANCE PROBABILITY	RETURN PERIOD (YEAR)	DESIGN DISCHARGE (CFS)	DESIGN HIGH WATER ELEVATION (FT)	HW/D
2%	50	75.2	38.25	0.90
1%	100	87.5	38.40	0.93
DRAINAGE AREA = 0.45 SQUARE MILES				
ANTICIPATED ADDITIONAL BACKWATER = 0 FEET				
Q = 120 CFS AT HW/D = 1.0				
ROADWAY OVERTOPPING Q = 247 CFS				

CULVERT SUMMARY SCHEDULE	
SIZE	12'-0" X 4'-1"
LENGTH	36'
SLOPE	0.00%
CORRUGATION	2" X 6"

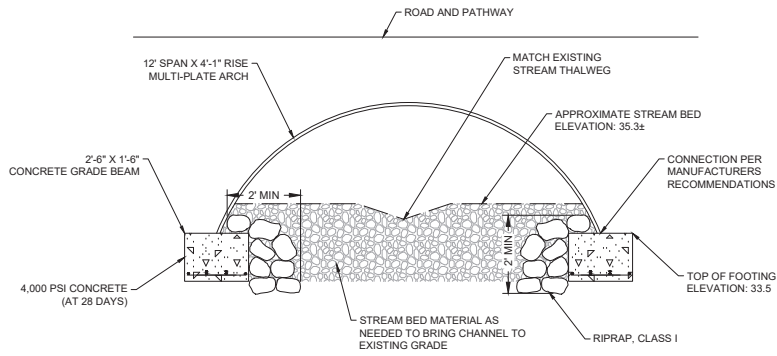
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 DUCK CREEK FISH PASSAGE DETAILS

CERTIFICATE OF AUTHORITY #1 AECUB48
 DRAFTED WESTPAL
 CHECKED INGLE
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 786-3633
 DESIGNED HORBS
 2/13/2020 LAYOUT OB
 DATE
 FILE C:\VG\1\1_30_Projects\A\2019\A\20776-02\CG\1\1\SC-C1-SP-0-70776.dwg

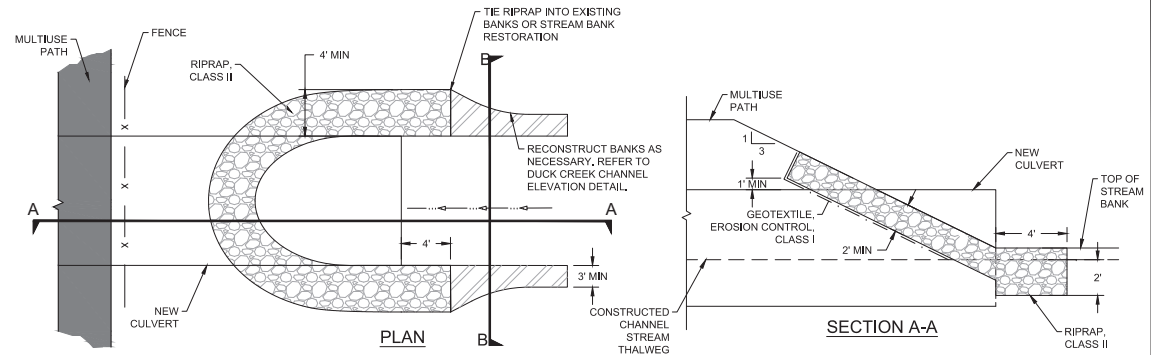
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q8	Q10



DUCK CREEK CROSSING ELEVATION
NTS

NOTES:

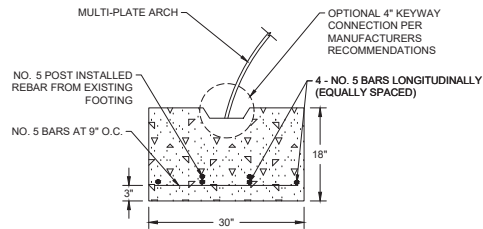
1. EXTEND EXISTING DUCK CREEK STRUCTURE AT INLET WITH PROPOSED MULTI-PLATE ARCH.
2. INSTALL PLATE ARCH PER DOT&PF STANDARDS AND MANUFACTURERS RECOMMENDATIONS.
3. PLACE AND BURY RIPRAP, CLASS I, MATERIAL AGAINST FOOTINGS TO PROVIDE SCOUR PROTECTION.
4. PLACE EXISTING STREAM BED MATERIAL IN CULVERT AND GRADE TO MATCH EXISTING CHANNEL.



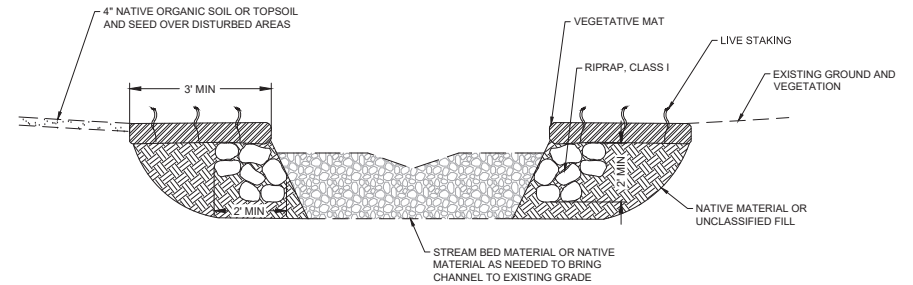
RIPRAP SLOPE PROTECTION DETAIL
NTS

NOTES:

1. FILL VOIDS IN RIPRAP WITH BORROW OR SALVAGED NATIVE ORGANIC SOIL.
2. REMOVE EXISTING BANK RESTORATION COMPONENTS AS NECESSARY TO INSTALL NEW CULVERT AND RECONSTRUCT BANKS.



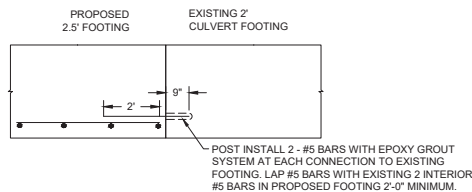
FOOTING SECTION
NTS




DUCK CREEK CHANNEL ELEVATION (SECTION B-B)
NTS

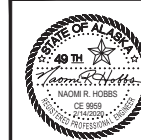
NOTES:

1. PROTECT EXISTING STREAM BANKS IN PLACE. RECONSTRUCT STREAM BANKS DAMAGED DURING CONSTRUCTION WITH VEGETATIVE MAT. MINIMIZE DISTURBANCE TO EXISTING STREAM BANKS.
2. PLACE RIPRAP, CLASS I, IN DISTURBED STREAM BANKS PRIOR TO PLACING VEGETATIVE MAT.
3. TIE CONSTRUCTED STREAM BANKS INTO EXISTING STREAM BANKS AND MATCH ELEVATION OF EXISTING STREAM BANKS WITH TOP OF VEGETATIVE MAT.
4. SALVAGED VEGETATIVE MAT MUST HAVE A MINIMUM THICKNESS OF 12 INCHES AND BE SOURCED FROM THE DISTURBANCE AREA OR THE LOCAL AREA.



CONNECTION TO EXISTING FOOTING
NTS

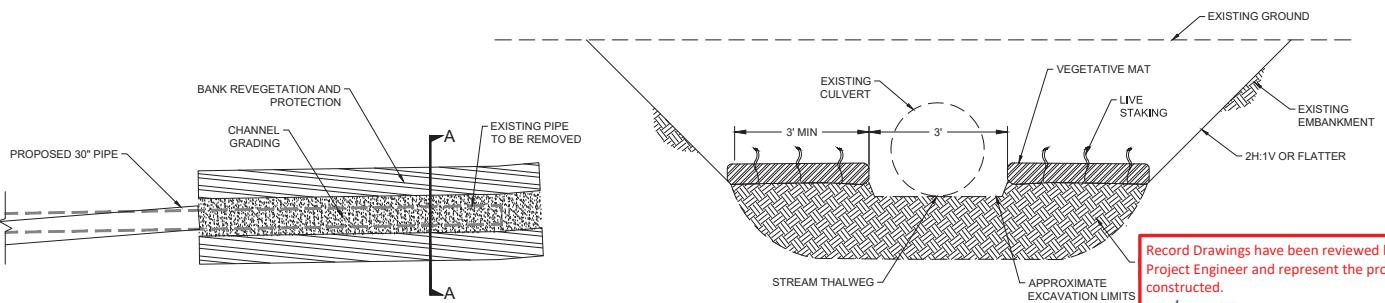
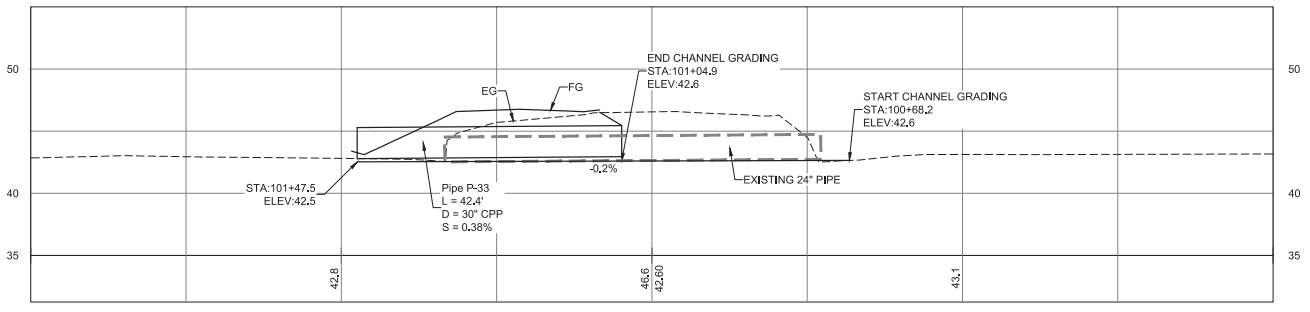
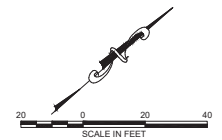
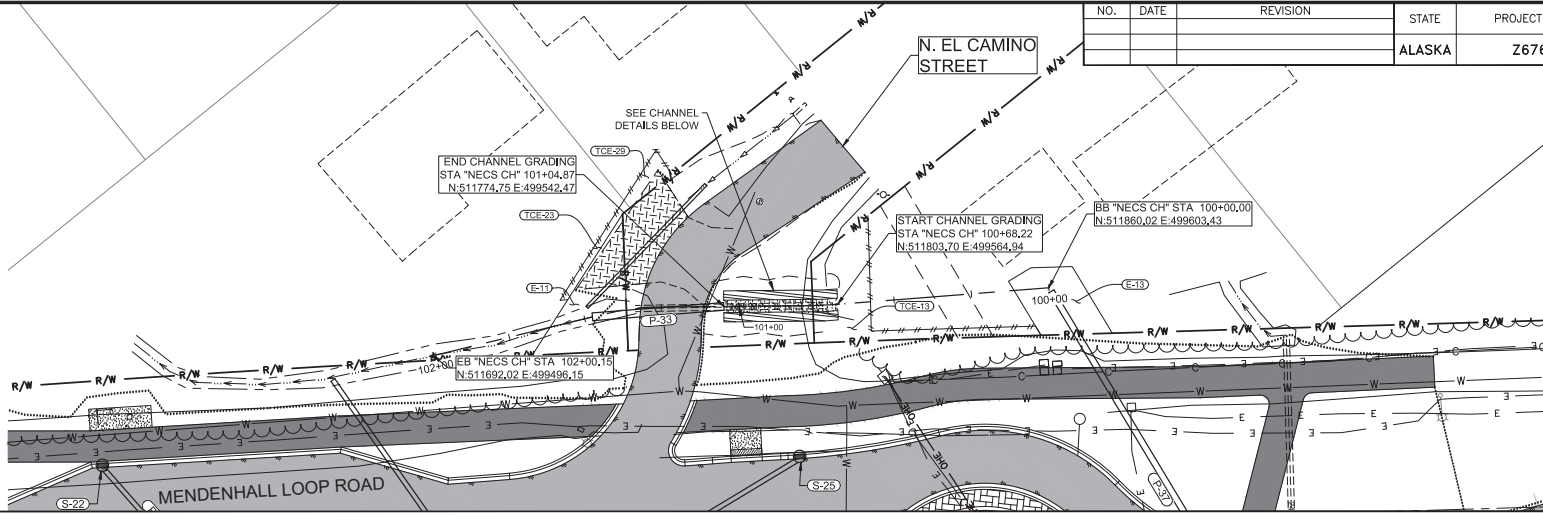
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature Date 2.15.23



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 DUCK CREEK FISH
 PASSAGE DETAILS

9065 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORRIS
 CHECKED INRLE
 DRAFTED WESTPHAL
 DATE 2/13/2020 LAYOUT 09
 FILE C:\G1\11_30_Projects\1018\2A\10776-02\G1\11\SC-CT-SP-0-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q9	Q10



- NOTES:**
1. PROTECT EXISTING STREAM BANKS IN PLACE. RECONSTRUCT STREAM BANKS DAMAGED DURING CONSTRUCTION WITH VEGETATIVE MAT. MINIMIZE DISTURBANCE TO EXISTING STREAM BANKS.
 2. TIE CONSTRUCTED STREAM BANKS INTO EXISTING STREAM BANKS AT EDGE OF DISTURBANCE AND MATCH ELEVATION OF EXISTING STREAM BANKS WITH TOP OF VEGETATIVE MAT.
 3. SALVAGED VEGETATIVE MAT MUST HAVE A MINIMUM THICKNESS OF 12 INCHES AND BE SOURCED FROM THE DISTURBANCE AREA OR THE LOCAL AREA.

CHANNEL PLAN VIEW
 NTS

CHANNEL SECTION A-A
 NTS

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

Jim Bergan 2.15.23
 Signature Date

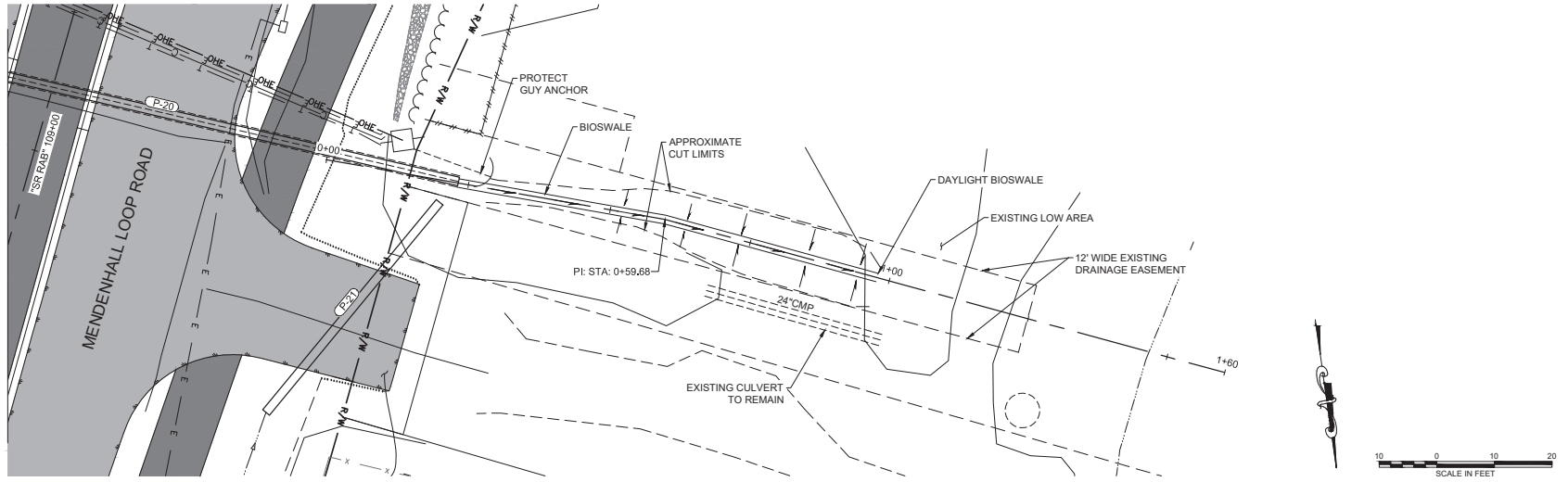


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

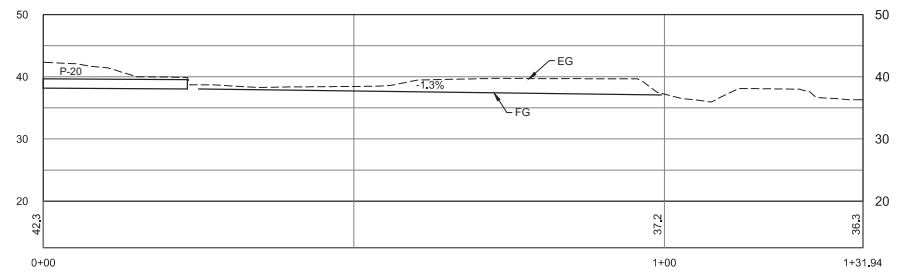
MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 N. EL CAMINO STREET
 CHANNEL RECONSTRUCTION DETAILS
 (ADD. ALT. 1)

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORBS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 DATE 2/13/2020 LAYOUT 010
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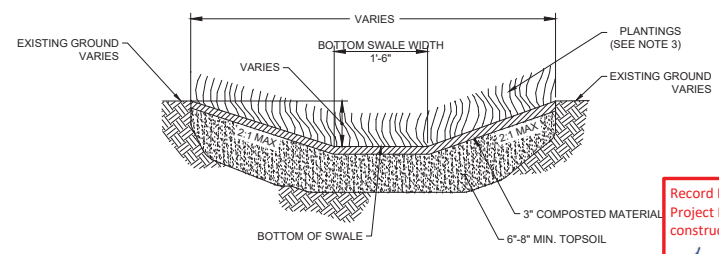
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	Q10	Q10



PLAN VIEW



PROFILE VIEW



CROSS SECTION
 NTS

NOTES:

1. MAINTAIN LONGITUDINAL SLOPE OF THE BIOSWALE AT AROUND 1.3%
2. DO NOT PERFORM ANY WORK OUTSIDE OF THE EASEMENT.
3. APPROVED BIOSWALE PLANTINGS INCLUDE THE FOLLOWING:
 - CAREX SITCHENSIS, SITKA SEDGE - 6" SPACING ON CENTER
 - CAREX MERTENSII, MERTENS SEDGE - 6" SPACING ON CENTER
 - SCIRPUS MICROCARPUS, SMALL LEAF BULLRUSH - 8" TO 12" SPACING ON CENTER
 - JUNCUS EFFUSES, COMMON RUSH - 4" SPACING ON CENTER
 - ELEOCHARIS PALUSTRIS, SPIKE RUSH - 4" SPACING ON CENTER
4. REMAINING EXCAVATED EARTH MATERIAL SHALL BE RELOCATED TO AN APPROVED UPLAND LOCATION.

Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergan 2.15.23
 Signature Date



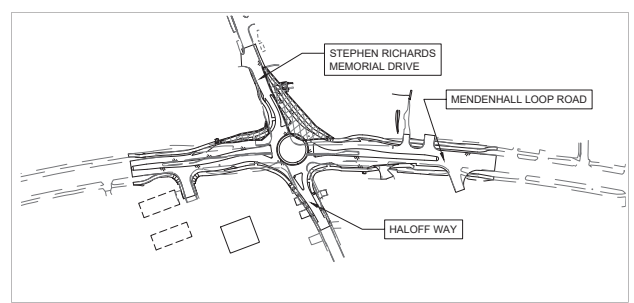
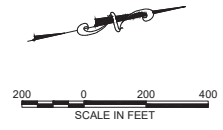
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 SPECIAL DITCH/BIOSWALE
 PLAN & PROFILE
 AND DETAILS

FILE: C:\VG\11_30_Proj\pct\2018\2A\20776-02\G1\1\SA-C1-D1-1-20776.dwg
 DATE: 2/13/2020 LAYOUT: S1
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE: (907) 760-3633 CHECKED: NOBLE
 DESIGNED: HORBS
 DRAFTED: WESTPHAL
 CERTIFICATE OF AUTH #1 AECUB48

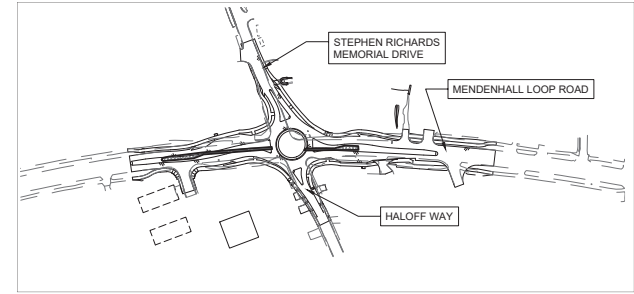
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	S1	S9

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
S1	CONSTRUCTION PHASING OVERVIEW
S2	PHASE 1A CONSTRUCTION PHASING - STEPHEN RICHARDS ROUNDABOUT
S3	PHASE 2A CONSTRUCTION PHASING - STEPHEN RICHARDS ROUNDABOUT
S4	PHASE 3A CONSTRUCTION PHASING - STEPHEN RICHARDS ROUNDABOUT
S5	PHASE 4A CONSTRUCTION PHASING - STEPHEN RICHARDS ROUNDABOUT
S6	PHASE 1B CONSTRUCTION PHASING - FLOYD DRYDEN ROUNDABOUT (ADD. ALT. 1)
S7	PHASE 2B CONSTRUCTION PHASING - FLOYD DRYDEN ROUNDABOUT (ADD. ALT. 1)
S8	PHASE 3B CONSTRUCTION PHASING - FLOYD DRYDEN ROUNDABOUT (ADD. ALT. 1)
S9	PHASE 4B CONSTRUCTION PHASING - FLOYD DRYDEN ROUNDABOUT (ADD. ALT. 1)
T1-T2	TCP NOTES/DETAILS
T3	PHASE 3A DETOUR PLAN
T4	PHASE 3A & 3B DETOUR PLAN
T5	PHASE 4A DETOUR PLAN
T6	PHASE 4A & 3B DETOUR PLAN

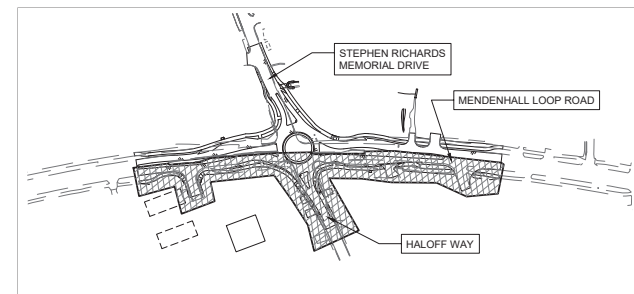
NOTE: THE PROJECT CONSISTS OF BASE BID WHICH INCLUDES STEPHEN RICHARDS ROUNDABOUT AND ADDITIVE ALTERNATE 1 WHICH INCLUDES FLOYD DRYDEN ROUNDABOUT. IF IT IS DETERMINED THAT ADD. ALT. 1 IS EXCLUDED FROM THE PROJECT, DISREGARD APPLICABLE PHASING SHEETS (S6-S9, T4 AND T6).



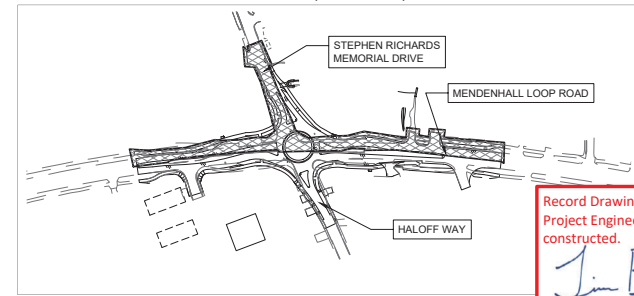
PHASE 1A (SHEET S2)



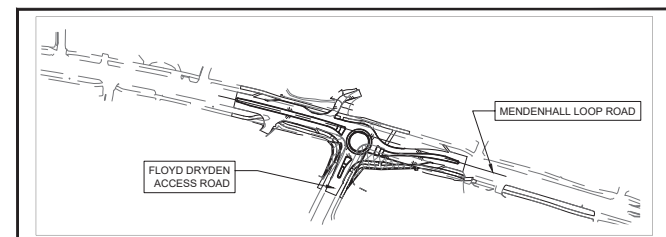
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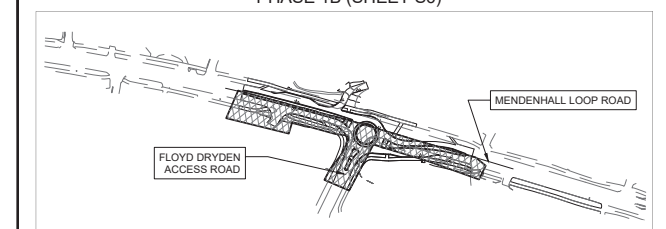
PHASE 3A (SHEET S4)



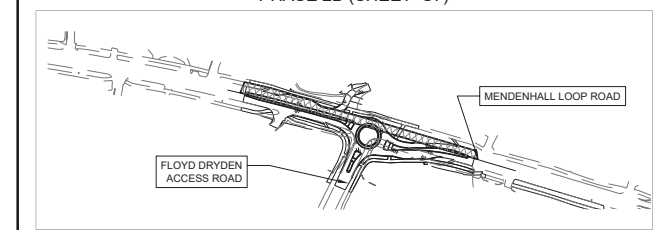
PHASE 4A (SHEET S5)



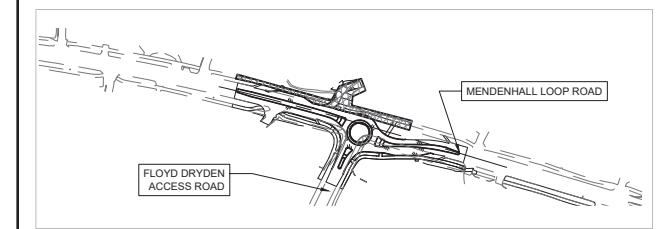
PHASE 1B (SHEET S6)



PHASE 2B (SHEET S7)



PHASE 3B (SHEET S8)



PHASE 4B (SHEET S9)

ADD. ALT. 1

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

Jim Bergan 2.15.23
Signature Date

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

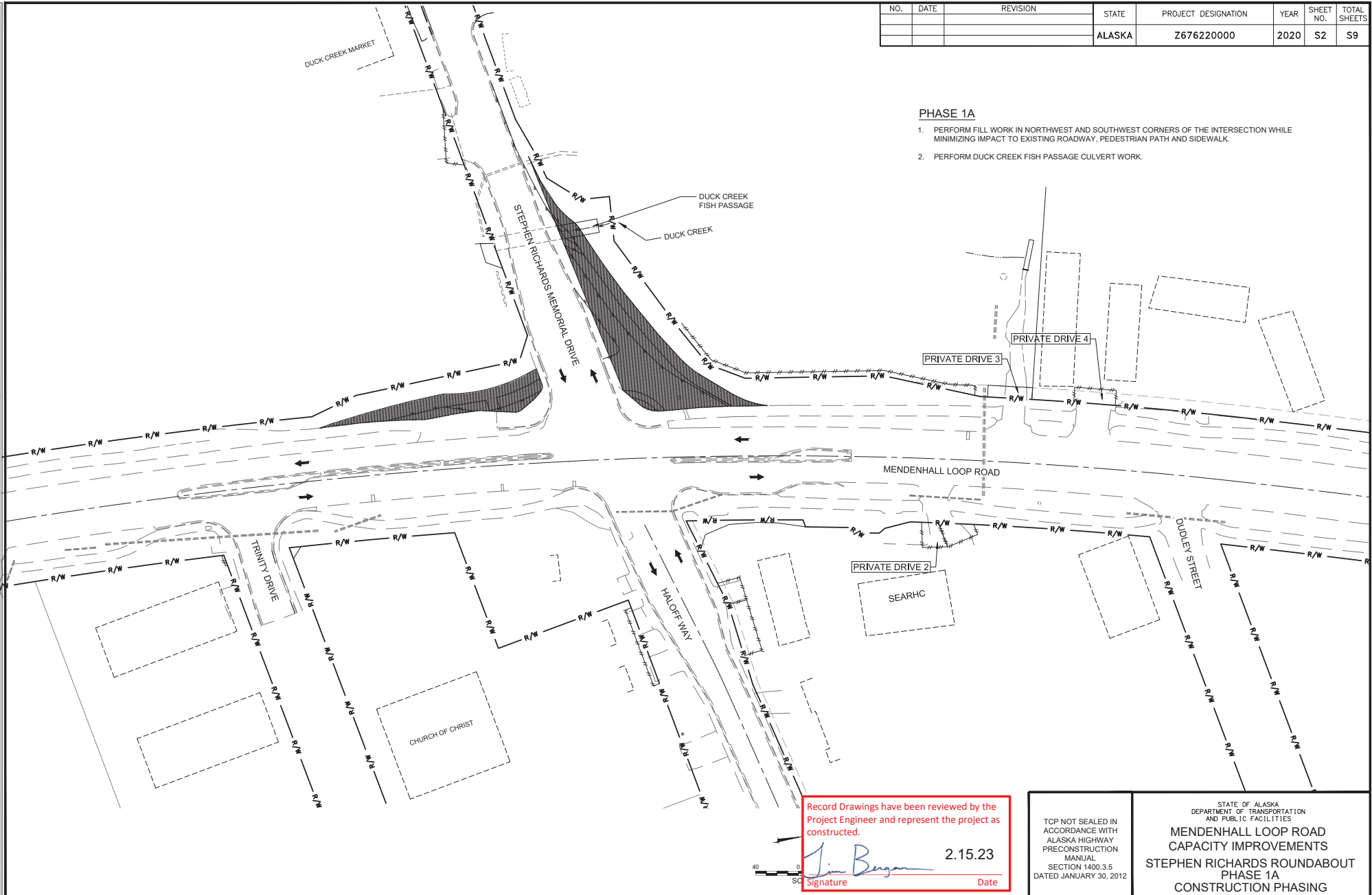
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS

CONSTRUCTION PHASING OVERVIEW

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 786-3633
 DESIGNED HORBS
 CHECKED NOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J AELCB48
 DATE 2/13/2020 LAYOUT S2
 FILE C:\G1\11_30_Projects\1020\2A\10276-02\G1\11\SA-C1-T-1-10276.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	S2	S9



PHASE 1A

1. PERFORM FILL WORK IN NORTHWEST AND SOUTHWEST CORNERS OF THE INTERSECTION WHILE MINIMIZING IMPACT TO EXISTING ROADWAY, PEDESTRIAN PATH AND SIDEWALK.
2. PERFORM DUCK CREEK FISH PASSAGE CULVERT WORK.

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

Jim Bergen 2.15.23
 Signature Date



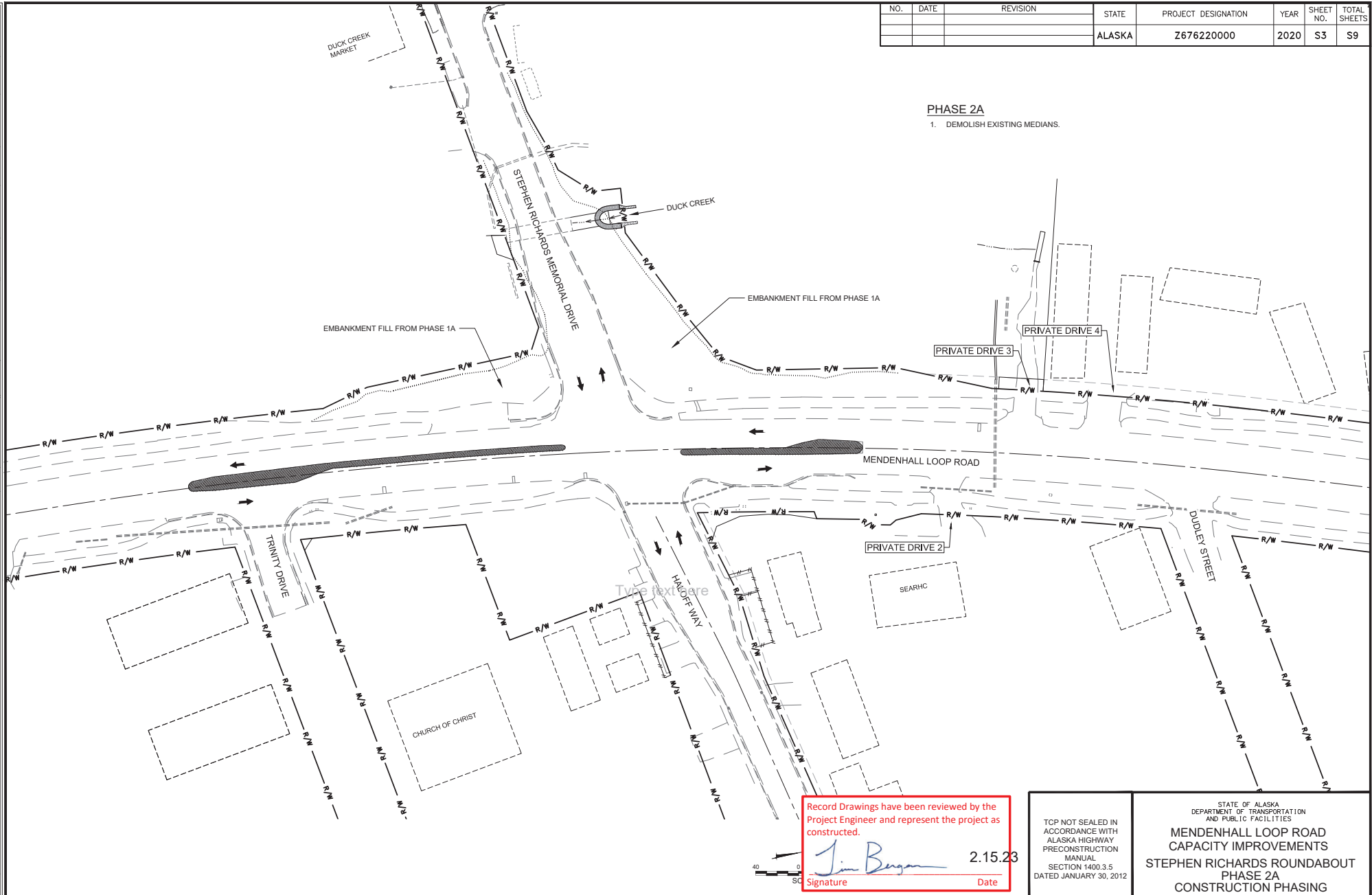
TOP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES


**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 STEPHEN RICHARDS ROUNDABOUT
 PHASE 1A
 CONSTRUCTION PHASING**

9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORBS
 CHECKED INBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH # J AELB48
 DATE 2/13/2020 LAYOUT S3
 FILE C:\G1\11_30_Projects\2018\2A\20776-02\C1\1\SA-C1-T-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	S3	S9



PHASE 2A
 1. DEMOLISH EXISTING MEDIANS.

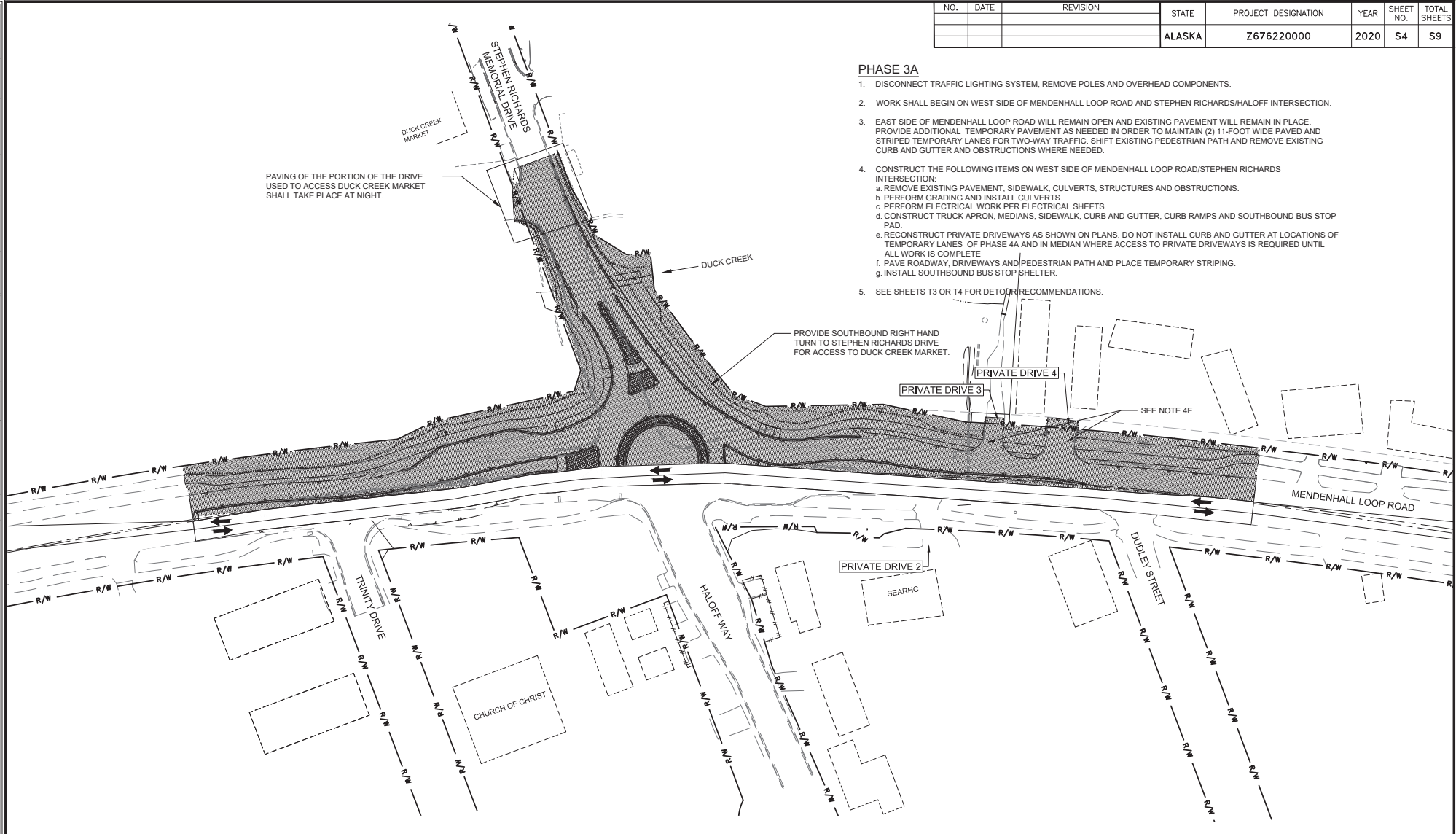
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature Date 2.15.23

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 ALASKA HIGHWAY
 PRECONSTRUCTION
 MANUAL
 SECTION 1400.3.5
 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
STEPHEN RICHARDS ROUNDABOUT
PHASE 2A
CONSTRUCTION PHASING


CERTIFICATE OF AUTH # J AECUB48
 DRAFTED WESTPHAL
 CHECKED NOBLE
 DESIGNED HOBBS
 PHONE (907) 760-3633
 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT S4
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	S4	S9



PHASE 3A

- DISCONNECT TRAFFIC LIGHTING SYSTEM, REMOVE POLES AND OVERHEAD COMPONENTS.
- WORK SHALL BEGIN ON WEST SIDE OF MENDENHALL LOOP ROAD AND STEPHEN RICHARDS/HALOFF INTERSECTION.
- EAST SIDE OF MENDENHALL LOOP ROAD WILL REMAIN OPEN AND EXISTING PAVEMENT WILL REMAIN IN PLACE. PROVIDE ADDITIONAL TEMPORARY PAVEMENT AS NEEDED IN ORDER TO MAINTAIN (2) 11-FOOT WIDE PAVED AND STRIPED TEMPORARY LANES FOR TWO-WAY TRAFFIC. SHIFT EXISTING PEDESTRIAN PATH AND REMOVE EXISTING CURB AND GUTTER AND OBSTRUCTIONS WHERE NEEDED.
- CONSTRUCT THE FOLLOWING ITEMS ON WEST SIDE OF MENDENHALL LOOP ROAD/STEPHEN RICHARDS INTERSECTION:
 - REMOVE EXISTING PAVEMENT, SIDEWALK, CULVERTS, STRUCTURES AND OBSTRUCTIONS.
 - PERFORM GRADING AND INSTALL CULVERTS.
 - PERFORM ELECTRICAL WORK PER ELECTRICAL SHEETS.
 - CONSTRUCT TRUCK APRON, MEDIANS, SIDEWALK, CURB AND GUTTER, CURB RAMPS AND SOUTHBOUND BUS STOP PAD.
 - RECONSTRUCT PRIVATE DRIVEWAYS AS SHOWN ON PLANS. DO NOT INSTALL CURB AND GUTTER AT LOCATIONS OF TEMPORARY LANES OF PHASE 4A AND IN MEDIAN WHERE ACCESS TO PRIVATE DRIVEWAYS IS REQUIRED UNTIL ALL WORK IS COMPLETE.
 - PAVE ROADWAY, DRIVEWAYS AND PEDESTRIAN PATH AND PLACE TEMPORARY STRIPING.
 - INSTALL SOUTHBOUND BUS STOP SHELTER.
- SEE SHEETS T3 OR T4 FOR DETOUR RECOMMENDATIONS.

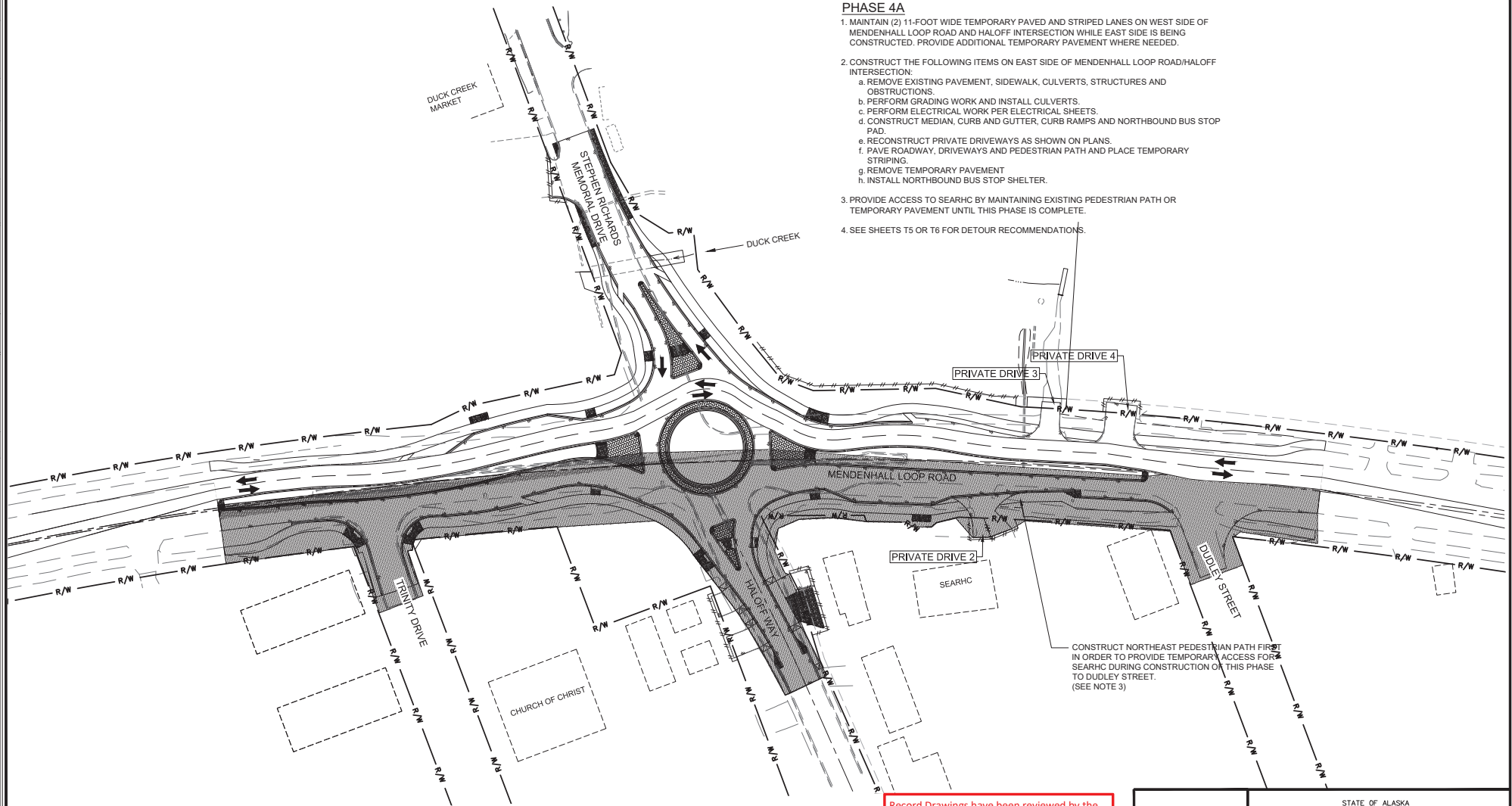
Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.

 Signature 2.15.23
 Date

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 ACCORDANCE WITH
 ALASKA HIGHWAY
 PRECONSTRUCTION
 MANUAL
 SECTION 1400.3.5
 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 STEPHEN RICHARDS ROUNDABOUT
 PHASE 3A
 CONSTRUCTION PHASING**

FILE: C:\G1\11_30_Projects\10\10_24\10076-02\C1\11\SA-C1-01-T-7076.dwg DATE: 2/13/2020 LAYOUT: SS
 9065 GLACIER HIGHWAY, JUNEAU, AK 99801 PHONE: (907) 760-3633 CHECKED: NOBLE
 CERTIFICATE OF AUTH #1 AELCB48 DRAFTED: WESTPHAL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	S5	S9



- PHASE 4A**
- MAINTAIN (2) 11-FOOT WIDE TEMPORARY PAVED AND STRIPED LANES ON WEST SIDE OF MENDENHALL LOOP ROAD AND HALOFF INTERSECTION WHILE EAST SIDE IS BEING CONSTRUCTED. PROVIDE ADDITIONAL TEMPORARY PAVEMENT WHERE NEEDED.
 - CONSTRUCT THE FOLLOWING ITEMS ON EAST SIDE OF MENDENHALL LOOP ROAD/HALOFF INTERSECTION:
 - REMOVE EXISTING PAVEMENT, SIDEWALK, CULVERTS, STRUCTURES AND OBSTRUCTIONS.
 - PERFORM GRADING WORK AND INSTALL CULVERTS.
 - PERFORM ELECTRICAL WORK PER ELECTRICAL SHEETS.
 - CONSTRUCT MEDIAN, CURB AND GUTTER, CURB RAMPS AND NORTHBOUND BUS STOP PAD.
 - RECONSTRUCT PRIVATE DRIVEWAYS AS SHOWN ON PLANS.
 - PAVE ROADWAY, DRIVEWAYS AND PEDESTRIAN PATH AND PLACE TEMPORARY STRIPING.
 - REMOVE TEMPORARY PAVEMENT
 - INSTALL NORTHBOUND BUS STOP SHELTER.
 - PROVIDE ACCESS TO SEARHC BY MAINTAINING EXISTING PEDESTRIAN PATH OR TEMPORARY PAVEMENT UNTIL THIS PHASE IS COMPLETE.
 - SEE SHEETS T5 OR T6 FOR DETOUR RECOMMENDATIONS.

CONSTRUCT NORTHEAST PEDESTRIAN PATH FIRST IN ORDER TO PROVIDE TEMPORARY ACCESS FOR SEARHC DURING CONSTRUCTION OF THIS PHASE TO DUDLEY STREET. (SEE NOTE 3)

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

Jim Bergman 2.15.23
 Signature Date



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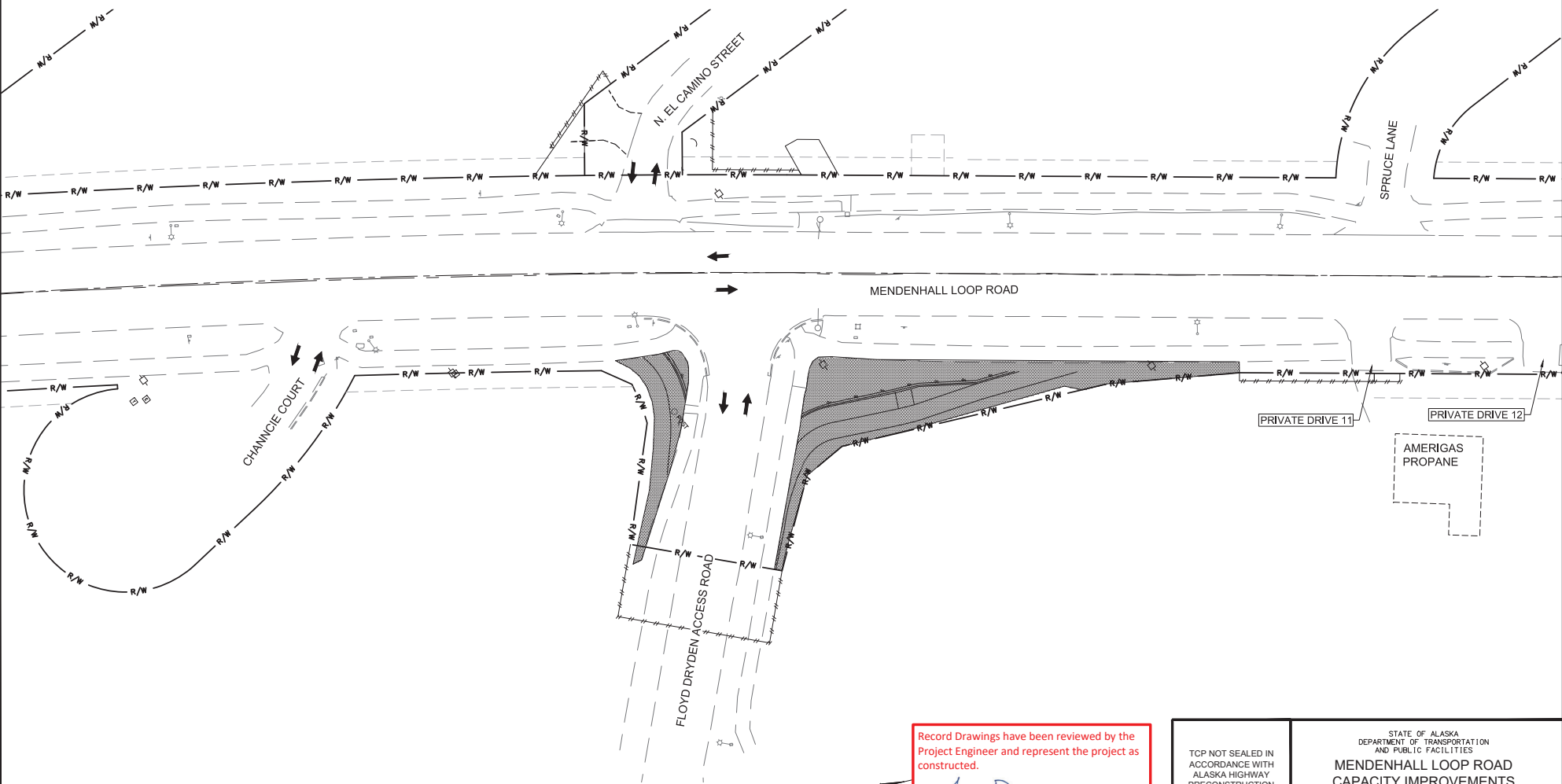
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES


**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 STEPHEN RICHARDS ROUNDABOUT
 PHASE 4A
 CONSTRUCTION PHASING**

FILE: C:\G1\11_30_Projects\2018\2A\20776-02\Civil\SA-C-01-T-70776.dwg
 DATE: 2/13/2020 LAYOUT: S6
 9085 GLACIER HIGHWAY - JUNEAU, AK 99801
 PHONE: (907) 760-3633
 DESIGNED: HOBBS
 CHECKED: INGBLE
 DRAFTED: WESTPHAL
 CERTIFICATE OF AUTH #1 AELCB48

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	S6	S9

PHASE 1B
 PERFORM FILL WORK IN SOUTHEAST AND NORTHEAST CORNERS OF THE INTERSECTION WHILE MINIMIZING IMPACT TO EXISTING ROADWAY AND PEDESTRIAN PATHS.



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

 Signature Date 2.15.23



TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

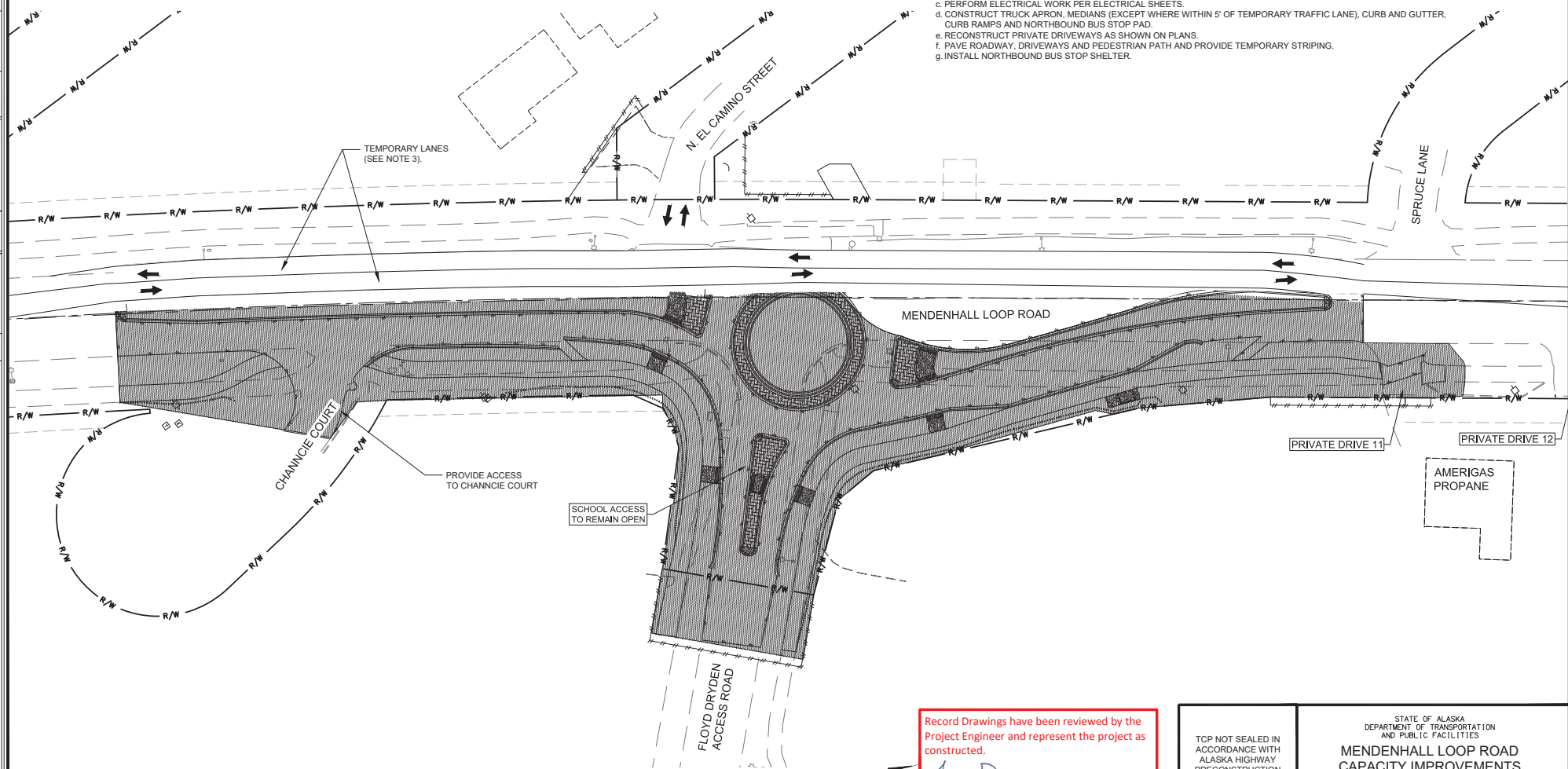
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 PHASE 1B
 CONSTRUCTION PHASING**


CERTIFICATE OF AUTH # J AECUB48
 DRAFTED WESTPHAL
 CHECKED NOBLE
 DESIGNED HOBBS
 CHECKED
 PHONE (907) 760-3633
 9065 GLACIER HIGHWAY, JUNEAU, AK 99801
 DATE 2/13/2020 LAYOUT S7
 FILE C:\G1\11_30_Projects\2010\2A\20776-02\C1\1\SA-C-01-T-70776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	S7	S9

PHASE 2B

- DISCONNECT PEDESTRIAN CROSSING LIGHTING SYSTEM, REMOVE POLES AND ABOVE GROUND COMPONENTS.
- WORK SHALL BEGIN ON EAST SIDE OF MENDENHALL LOOP ROAD AND FLOYD DRYDEN INTERSECTION.
- WEST SIDE OF MENDENHALL LOOP ROAD WILL REMAIN OPEN AND EXISTING PAVEMENT WILL REMAIN IN PLACE. PROVIDE ADDITIONAL TEMPORARY PAVEMENT AS NEEDED IN ORDER TO MAINTAIN (2) 11-FOOT WIDE PAVED AND STRIPED TEMPORARY LANES FOR TWO-WAY TRAFFIC.
- CONSTRUCT THE FOLLOWING ITEMS ON EAST SIDE OF MENDENHALL LOOP ROAD/FLOYD DRYDEN INTERSECTION:
 - REMOVE EXISTING PAVEMENT, SIDEWALK, CULVERTS, STRUCTURES AND OBSTRUCTIONS.
 - PERFORM GRADING WORK AND INSTALL CULVERTS.
 - PERFORM ELECTRICAL WORK PER ELECTRICAL SHEETS.
 - CONSTRUCT TRUCK APRON, MEDIANS (EXCEPT WHERE WITHIN 5' OF TEMPORARY TRAFFIC LANE), CURB AND GUTTER, CURB RAMPS AND NORTHBOUND BUS STOP PAD.
 - RECONSTRUCT PRIVATE DRIVEWAYS AS SHOWN ON PLANS.
 - PAVE ROADWAY, DRIVEWAYS AND PEDESTRIAN PATH AND PROVIDE TEMPORARY STRIPING.
 - INSTALL NORTHBOUND BUS STOP SHELTER.



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

 Signature Date 2.15.23

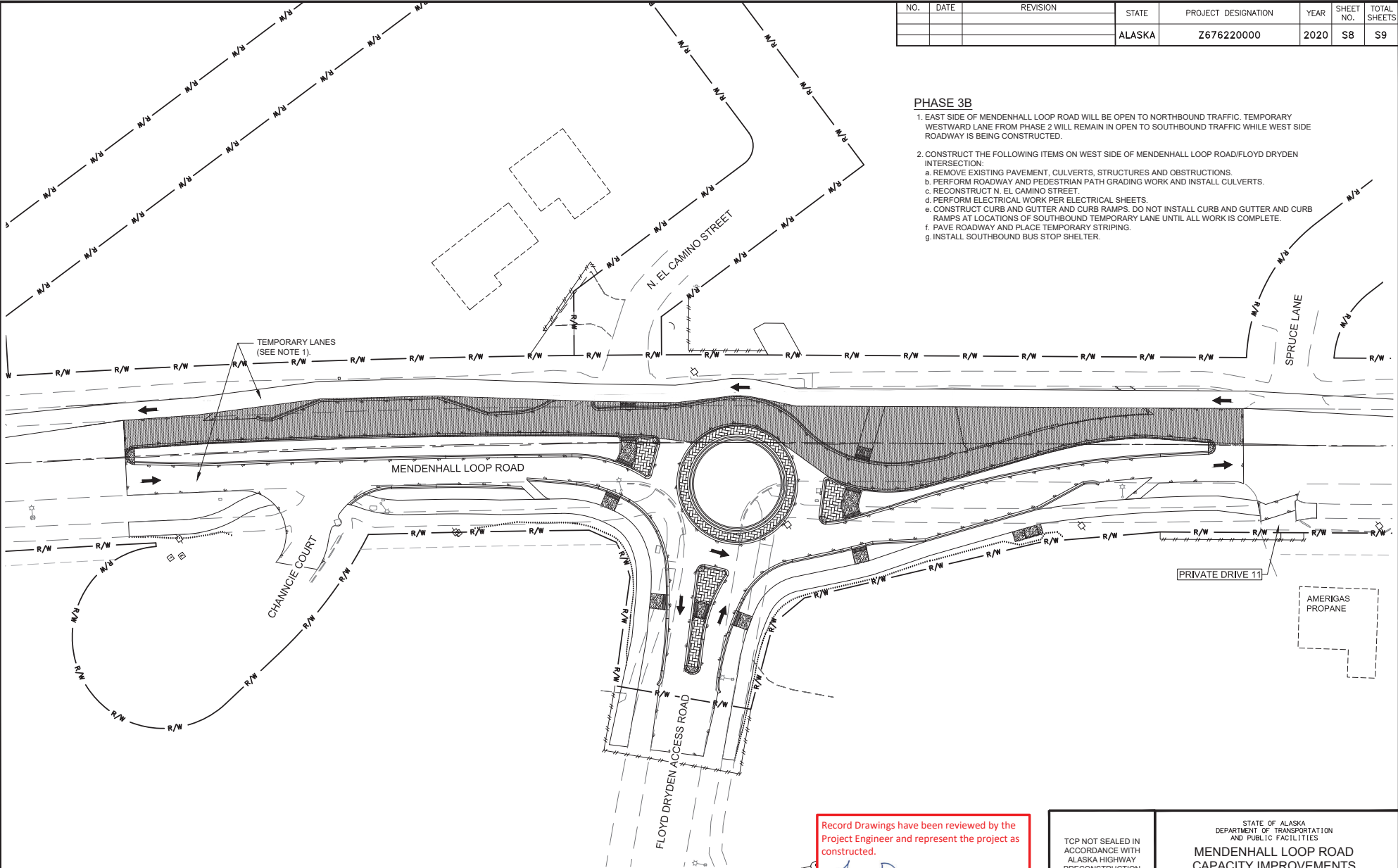


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 FLOYD DRYDEN ROUNDABOUT
 PHASE 2B
 CONSTRUCTION PHASING

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 ALASKA HIGHWAY
 PRECONSTRUCTION
 MANUAL
 SECTION 1400.3.5
 DATED JANUARY 30, 2012

FILE C:\G1\11_30_Projects\2019\2A\20776-02\C1\1\SA-C-01-T-20776.dwg
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 9045 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORBS
 CHECKED INOBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH #1 AECUB48


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	S8	S9



PHASE 3B

1. EAST SIDE OF MENDENHALL LOOP ROAD WILL BE OPEN TO NORTHBOUND TRAFFIC. TEMPORARY WESTWARD LANE FROM PHASE 2 WILL REMAIN IN OPEN TO SOUTHBOUND TRAFFIC WHILE WEST SIDE ROADWAY IS BEING CONSTRUCTED.
2. CONSTRUCT THE FOLLOWING ITEMS ON WEST SIDE OF MENDENHALL LOOP ROAD/FLOYD DRYDEN INTERSECTION:
 - a. REMOVE EXISTING PAVEMENT, CULVERTS, STRUCTURES AND OBSTRUCTIONS.
 - b. PERFORM ROADWAY AND PEDESTRIAN PATH GRADING WORK AND INSTALL CULVERTS.
 - c. RECONSTRUCT N. EL CAMINO STREET.
 - d. PERFORM ELECTRICAL WORK PER ELECTRICAL SHEETS.
 - e. CONSTRUCT CURB AND GUTTER AND CURB RAMP. DO NOT INSTALL CURB AND GUTTER AND CURB RAMP AT LOCATIONS OF SOUTHBOUND TEMPORARY LANE UNTIL ALL WORK IS COMPLETE.
 - f. PAVE ROADWAY AND PLACE TEMPORARY STRIPING.
 - g. INSTALL SOUTHBOUND BUS STOP SHELTER.

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

 2.15.23
 Signature Date

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

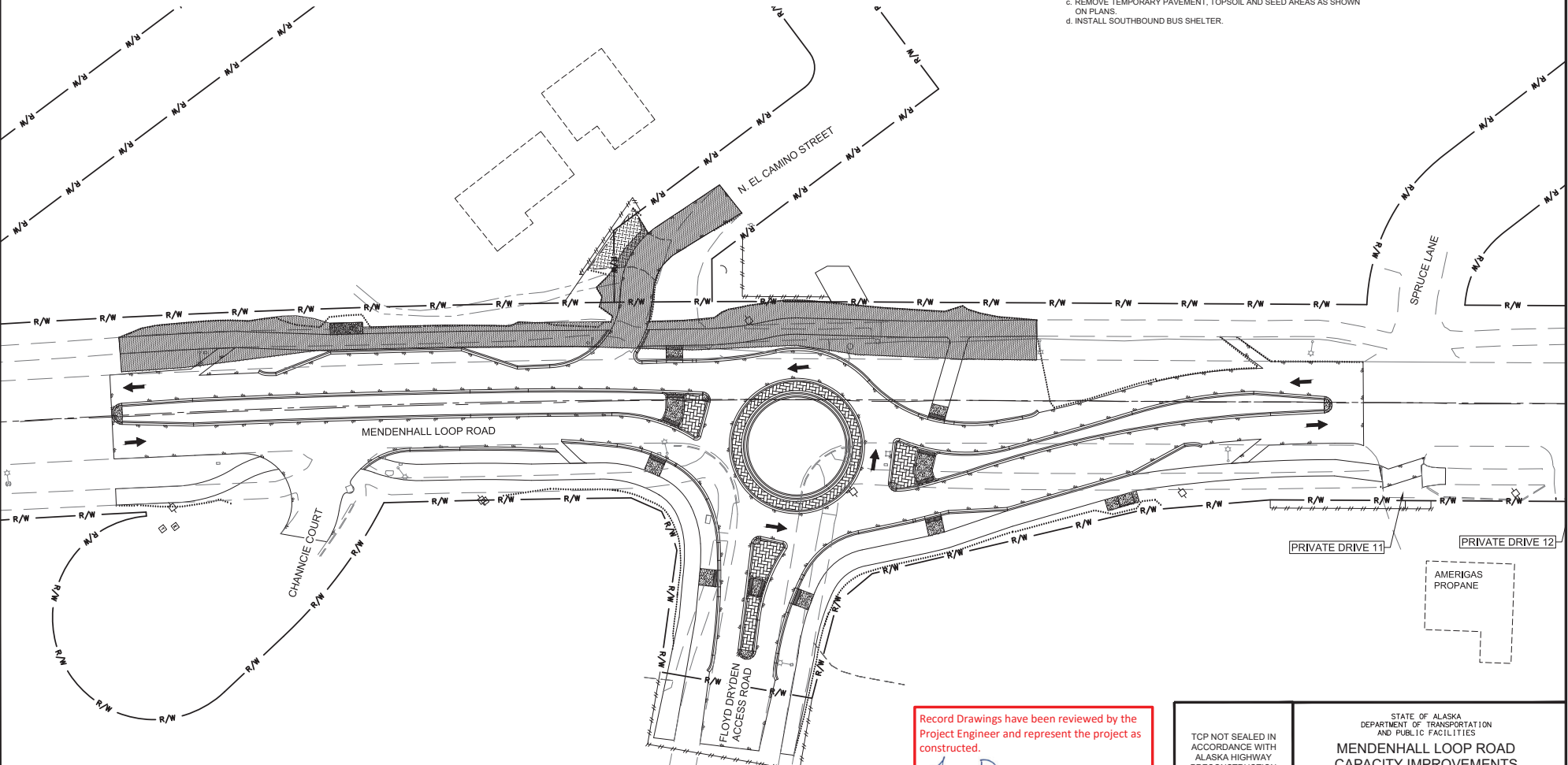
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
FLOYD DRYDEN ROUNDABOUT
PHASE 3B CONSTRUCTION PHASING

9085 GLACIER HIGHWAY, JUNEAU, AK 99801
 PHONE (907) 760-3633
 DESIGNED HORBS
 CHECKED INBLE
 DRAFTED WESTPHAL
 CERTIFICATE OF AUTH #] AELCB48
 DATE 2/13/2020 LAYOUT S9
 FILE C:\G1\11_30_Projects\2018\2A\20776-02\G1\1\SA-C1-01-T-20776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	S9	S9

PHASE 4B

1. AFTER MENDENHALL LOOP ROAD/FLOYD DRYDEN INTERSECTION IS PAVED, STRIPED AND OPEN TO TWO-WAY TRAFFIC COMPLETE THE FOLLOWING ITEMS:
 - a. CONSTRUCT REMAINING CURB AND GUTTER, CURB RAMPS AND SOUTHBOUND BUS SHELTER PAD.
 - b. PAVE PEDESTRIAN PATH AND N. EL CAMINO STREET.
 - c. REMOVE TEMPORARY PAVEMENT, TOPSOIL AND SEED AREAS AS SHOWN ON PLANS.
 - d. INSTALL SOUTHBOUND BUS SHELTER.



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


 Signature Date 2.15.23



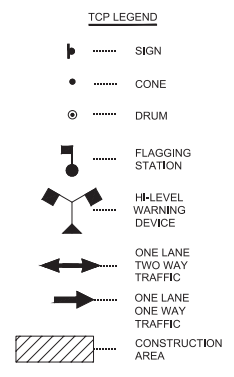
TOP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 FLOYD DRYDEN ROUNDABOUT
 PHASE 4B
 CONSTRUCTION PHASING

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	T1	T4

TRAFFIC CONTROL NOTES

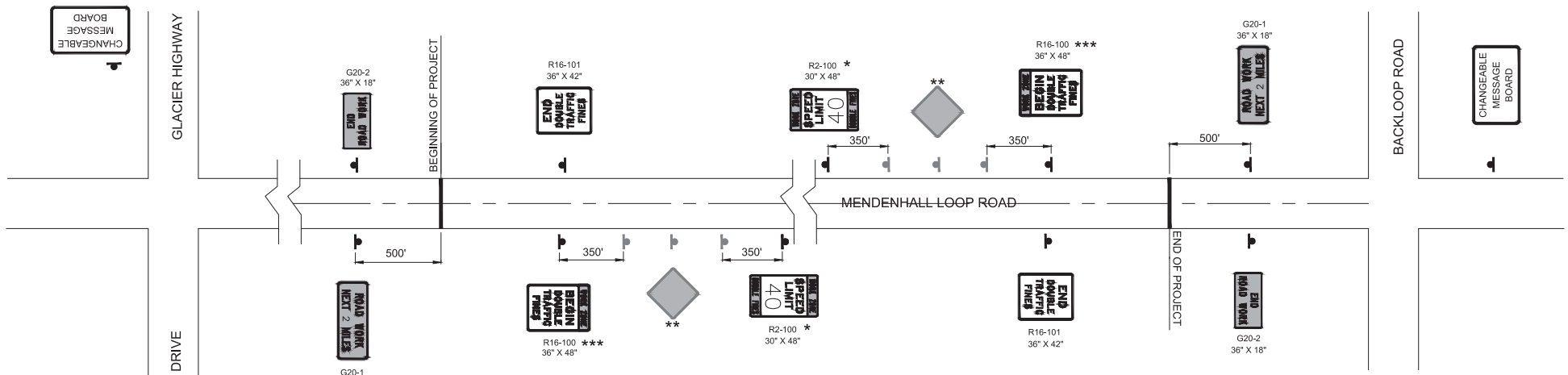
- IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO INCLUDE ALL ITEMS REQUIRED TO DIRECT TRAFFIC THROUGH OR AROUND THE TRAFFIC CONTROL ZONE. ALL FINAL TRAFFIC CONTROL PLANS SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE PROJECT ENGINEER PRIOR TO THE PROJECTS PRE-CONSTRUCTION MEETING.
- CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS ON PROVIDING ACCESS TO PRIVATE PROPERTIES, FOR AN ACCEPTABLE TIME TO RECONSTRUCT DRIVEWAYS AND ACCESS FOR SERVICE VEHICLES, SUCH AS MAIL, WASTE COLLECTION, FUEL TRUCKS, ETC. TO PRIVATE PROPERTIES.
- MAINTAIN EXISTING OR TEMPORARY BUS STOPS AND ACCESS TO THEM THROUGHOUT THE PROJECT. COORDINATE WITH THE CBJ PRIOR TO TEMPORARY RELOCATION OR REMOVAL OF A BUS STOP.
- CONTRACTOR SHALL PROVIDE ACCESS TO PEDESTRIANS, INCLUDING THOSE WITH DISABILITIES, AND BICYCLE USERS THROUGH USE OF TEMPORARY SHUTTLE AND ALTERNATE PEDESTRIAN ROUTES. ALL TEMPORARY ROUTES AND SIDEWALK SHALL BE ADEQUATELY SURFACED (SEC. 643-2.01).
- COORDINATE WITH ALASKA STATE TROOPERS, AMBULANCE SERVICES, LOCAL POLICE DEPARTMENT AND FIRE DEPARTMENT. PROVIDE IMMEDIATE ACCESS TO EMERGENCY VEHICLES THROUGHOUT THE PROJECT. DURING NON-WORKING HOURS, PROVIDE AND MARK LOCATIONS FOR EMERGENCY VEHICLES ACCESS (SEC. 643-3.03).
- CONTRACTOR SHALL COORDINATE WITH SCHOOL DISTRICT AND DOT&PF PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES THAT IMPACT ACCESS TO THE GLACIER VALLEY ELEMENTARY SCHOOL AND FLOYD DRYDEN MIDDLE SCHOOL. (SEC. 643-3.03, 643-3.08).
- COORDINATE WITH IMPACTED BUSINESS OWNERS, INCLUDING DUCK CREEK MARKET AND AMERIGAS PROPANE, AND ORGANIZATIONS PRIOR TO AND DURING CONSTRUCTION. MAINTAIN EXISTING ACCESS AT ALL TIMES (SEC. 643-3.03)



TCP SETUP TABLE

SPEED* (MPH)	MIN MERGING TAPER LENGTH (L) IN FEET WIDTH OF OFFSET (W) IN FEET			MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET			MAX DEVICE SPACING IN FEET		BUFFER SPACE IN FEET **
	10'	11'	12'	10'	11'	12'	ALONG TAPER	ALONG TANGENT	
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	45	90	425
55	550	605	660	11	12	13	45	90	495
60	600	660	720	11	12	13	45	90	570

* POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH
 ** LONGITUDINAL BUFFER SPACE IS SHOWN IN THE TABLE. LATERAL BUFFER SPACE TO BE DETERMINED AND WILL VARY DEPENDING ON PHASE



PERMANENT CONSTRUCTION SIGNING

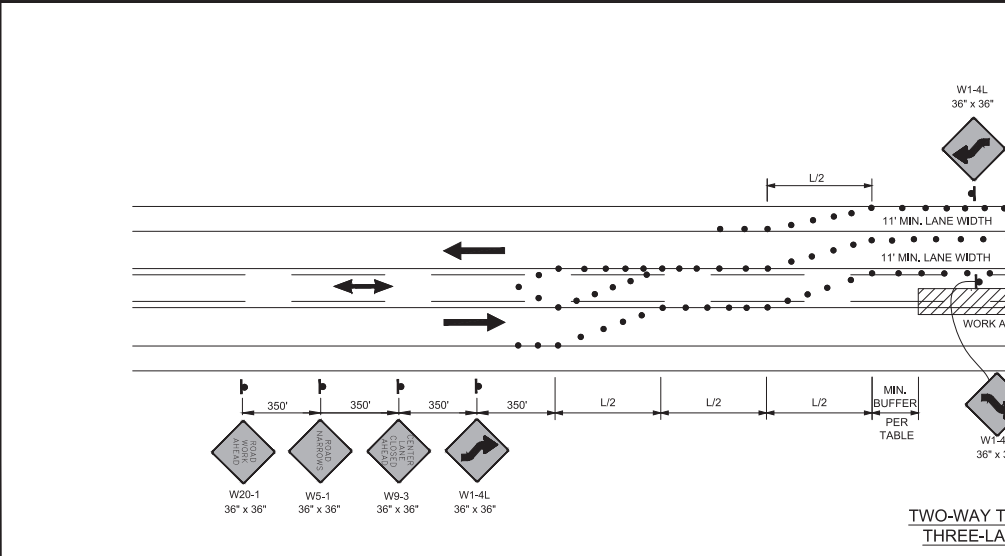
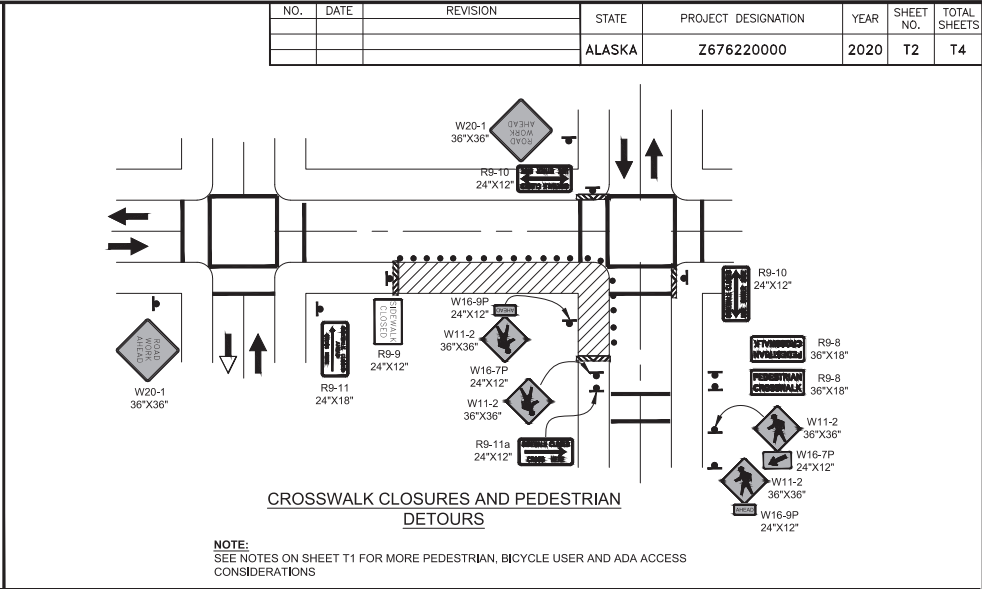
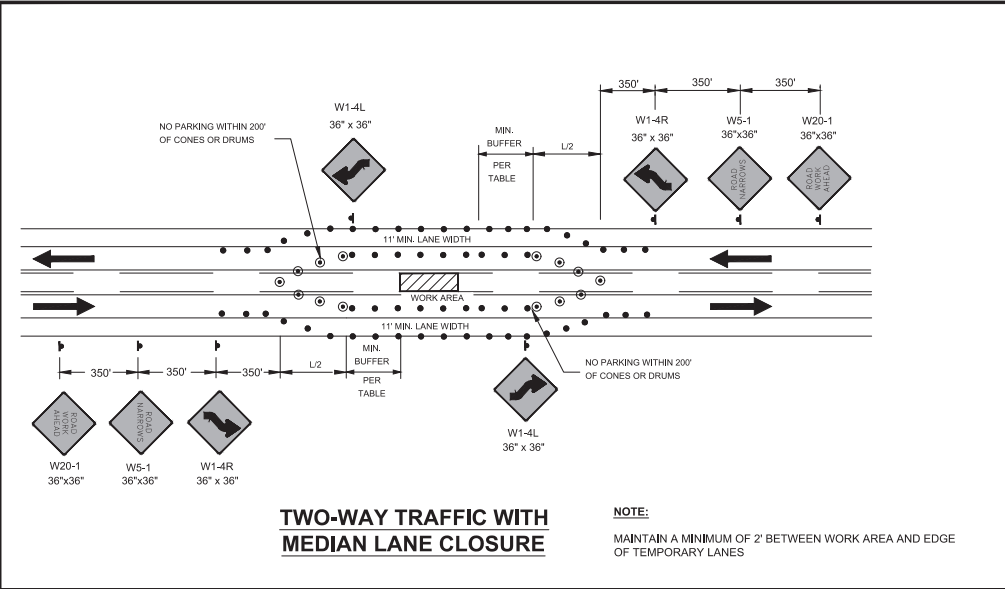
- * INSTALL ADVISORY SPEED SIGNS FOR 30 MPH IN THE PROJECT AREA DURING CONSTRUCTION.
- ** ADVANCE WARNING SIGNS ARE SHOWN FOR SPACING BETWEEN DOUBLE FINES PURPOSES ONLY AND ARE NOT A PART OF PERMANENT CONSTRUCTION SIGNING. NUMBER AND SPACING VARIES PER THE IMPLEMENTED TCP
- *** SIGNS SHALL BE INSTALLED AT MAJOR INTERSECTIONS WITH THE DOUBLE FINES TO WARN ENTERING DRIVERS OF DOUBLE FINES.


Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergan 2.1523
 Signature Date

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 TRAFFIC CONTROL PLAN NOTES & DETAILS

CERTIFICATE OF AUTH # | AECUB48
 DRAFTED | WESTPHAL
 CHECKED | INGLE
 DESIGNED | HOBBS
 PHONE | (907) 760-3633
 0965 GLACIER HIGHWAY - JUNEAU, AK 99801
 DATE | 2/13/2020 | LAYOUT | T2
 FILE | C:\G1\11_30_Projects\2019\2A\20776-02\C1\11\SA-C1-01-T-20776.dwg



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

 Signature

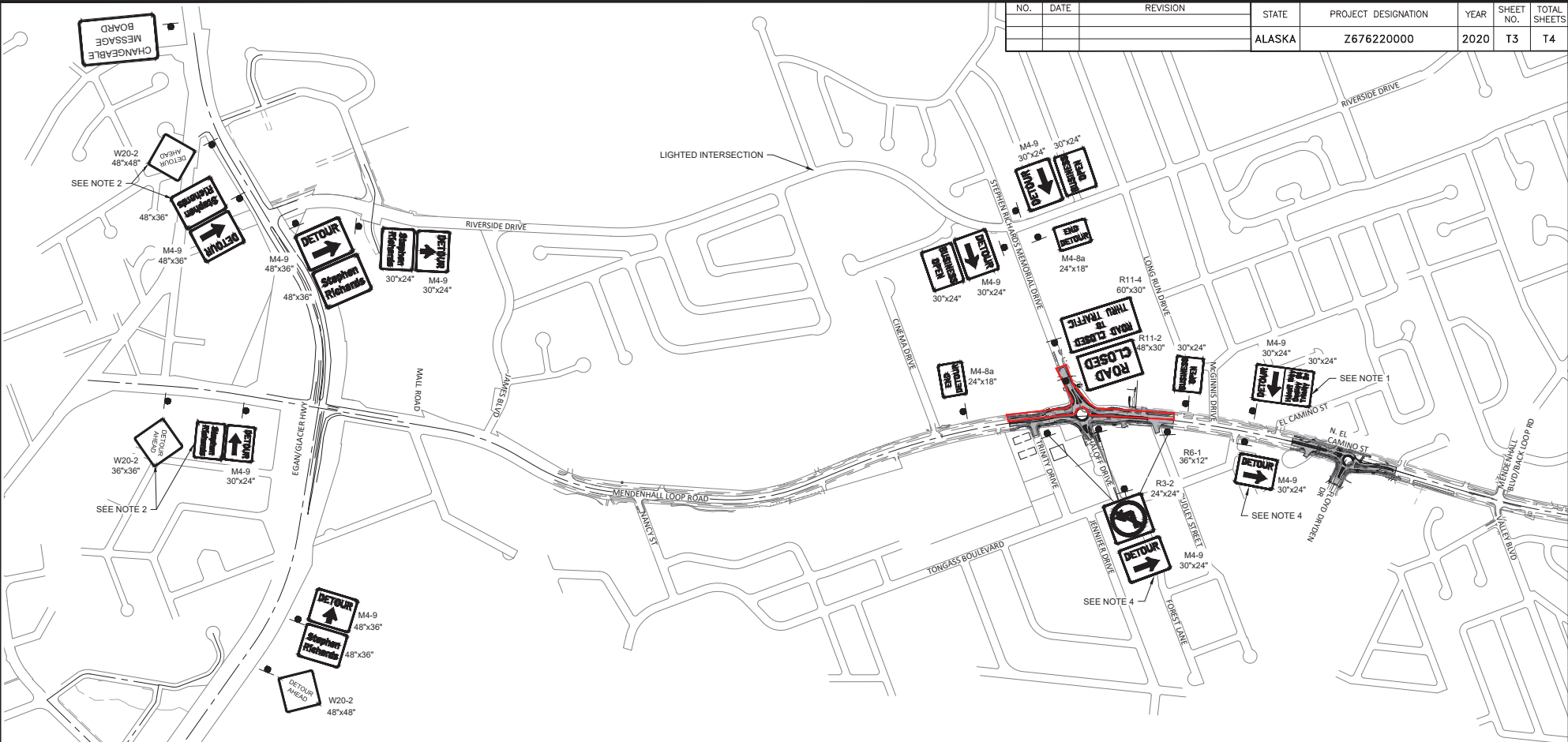
2.15.23
 Date

TCP NOT SEALED IN
 ACCORDANCE WITH
 ALASKA HIGHWAY
 PRECONSTRUCTION
 MANUAL
 SECTION 1400.3.5
 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 TRAFFIC CONTROL PLAN
 DETAILS

9065 GLACIER HIGHWAY - JUNEAU, AK 99801 PHONE (907) 760-3533 CERTIFICATE OF AUTH #1 ACLB48
 DESIGNED HORBS CHECKED NOBLE DRAFTED WESTHAL
 DATE 2/13/2020 LAYOUT T3
 FILE C:\XG\1\1_30_Projects\2010\2A\20776-02\CIVIL\SA-C1-T-2\20776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	T3	T4



NOTES

- LEFT HAND TURN WILL NOT BE ALLOWED TO SOUTHBOUND TRAFFIC FROM MENDENHALL LOOP ROAD ONTO TRINITY DRIVE, DUDLEY STREET AND HALOFF WAY DURING CONSTRUCTION OF WEST PART OF STEPHEN RICHARDS ROUNDABOUT. DIRECT TRAFFIC TO USE A PROPOSED DETOUR ROUTE THROUGH TONGASS BLVD.
- PROVIDE DELINEATION PLAN FOR SPECIFIED SIGNS AS PART OF PROPOSED TCP PLANS.
- PLACE AN ADDITIONAL PORTABLE CHANGEABLE MESSAGE BOARD (PCMB) AT MENDENHALL LOOP AND BACK LOOP INTERSECTION AS SHOWN ON PERMANENT CONSTRUCTION SIGNING SHEET T1.
- LEFT HAND TURN WILL NOT BE ALLOWED FROM SIDE STREETS ONTO MENDENHALL LOOP ROAD. DIRECT TRAFFIC TO DETOUR THROUGH WEST ON BACK LOOP ROAD AND SOUTH ON RIVERSIDE DRIVE.

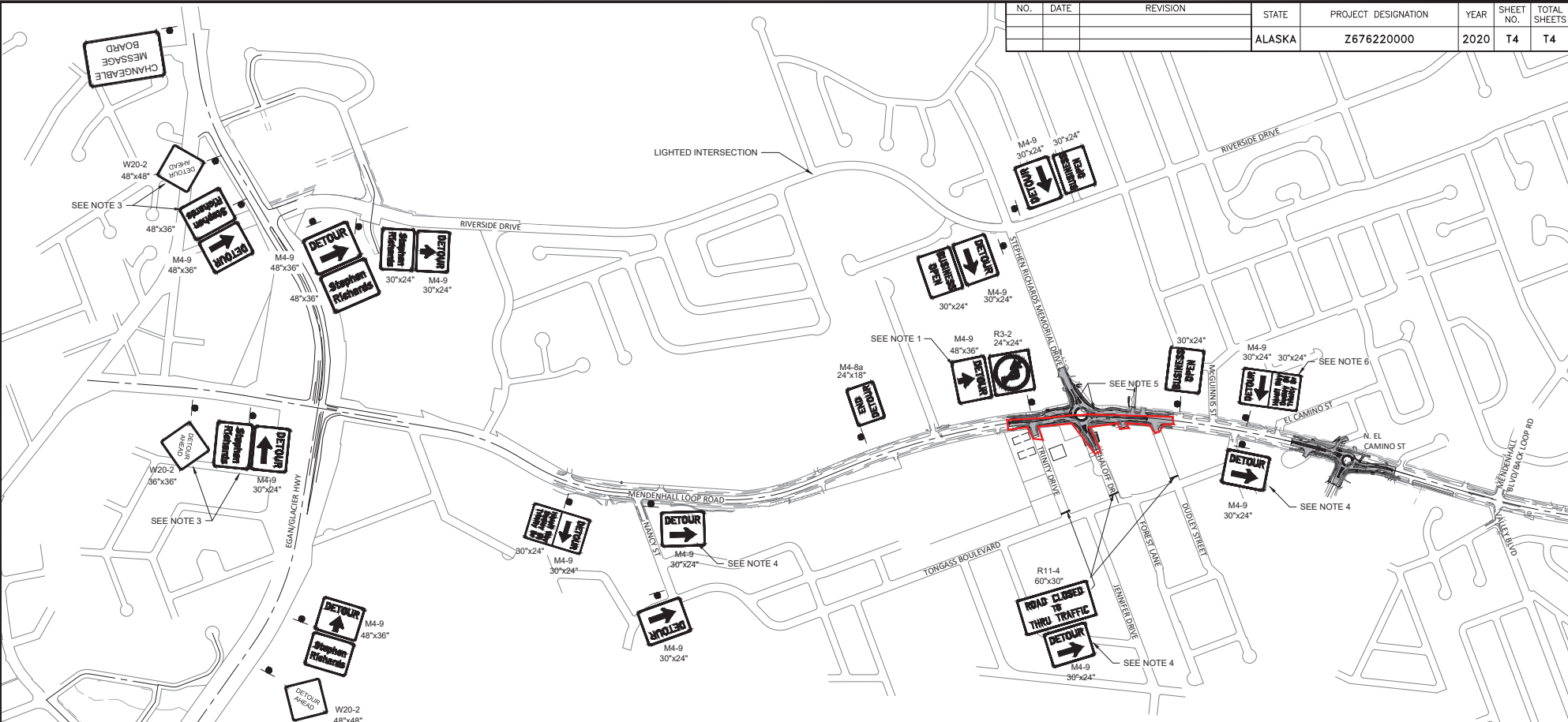
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Jim Bergen 2.15.23
 Signature Date

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
**MENDENHALL LOOP ROAD
 CAPACITY IMPROVEMENTS**
 PHASE 3A
 DETOUR PLAN

9085 GLACIER HIGHWAY - JUNEAU, AK 99801 | PHONE (907) 786-3633 | CERTIFICATE OF AUTH #1 ACUB48
 DESIGNED: HOBBS | CHECKED: NOBLE | DRAFTED: WESTHAL
 DATE: 2/13/2020 | LAYOUT: T4
 FILE: C:\G1\1_30_Projects\2018\2A\20776-22\G1\1\SA-C-T-1-20776.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z676220000	2020	T4	T4



NOTES

1. LEFT HAND TURN WILL NOT BE ALLOWED TO NORTHBOUND TRAFFIC DURING CONSTRUCTION OF EAST PART OF STEPHEN RICHARDS ROUNDABOUT. DIRECT TRAFFIC TO DETOUR THROUGH WEST ON BACK LOOP ROAD AND SOUTH ON RIVERSIDE DRIVE.
2. PLACE AN ADDITIONAL PCMB AT MENDENHALL LOOP AND BACK LOOP INTERSECTION AS SHOWN ON PERMANENT CONSTRUCTION SIGNING SHEET T1.
3. SUBMIT DELINEATION PLAN FOR SPECIFIED SIGNS AS PART OF THE PROPOSED TCP PLANS.
4. NO LEFT HAND TURN WILL BE ALLOWED FROM SIDE STREETS ONTO MENDENHALL LOOP ROAD. DIRECT TRAFFIC TO DETOUR THROUGH WEST ON BACK LOOP ROAD AND SOUTH ON RIVERSIDE DRIVE.
5. DIRECT LARGE VEHICLES TO YIELD TO OTHER ONCOMING VEHICLES BEFORE ENTERING THE ROUNDABOUT BY INSTALLING SIGNS AT EACH SIDE OF THE ROUNDABOUT UNTIL BOTH LANES ARE OPEN.
6. LEFT HAND TURN WILL NOT BE ALLOWED FROM MENDENHALL LOOP ROAD ONTO HALOF DRIVE, TRIM OR DUDLEY STREET. DIRECT TRAFFIC TO DETOUR THROUGH TONGASS BLVD.



Record Drawings have been reviewed by the
 Project Engineer and represent the project as
 constructed.
Jim Bergan 2.15.23
 Signature Date

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MENDENHALL LOOP ROAD CAPACITY IMPROVEMENTS
 PHASE 4A
 DETOUR PLAN