NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	PLAN SET
			ALASKA	VAR	2022	1	A & B

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

JNU SOUTH DOUGLAS HIGHWAY IMPROVEMENTS

JNU DOUGLAS HWY STAGE 2 CONSTRUCTION

PROJECT NO. SFHWY00315/958032

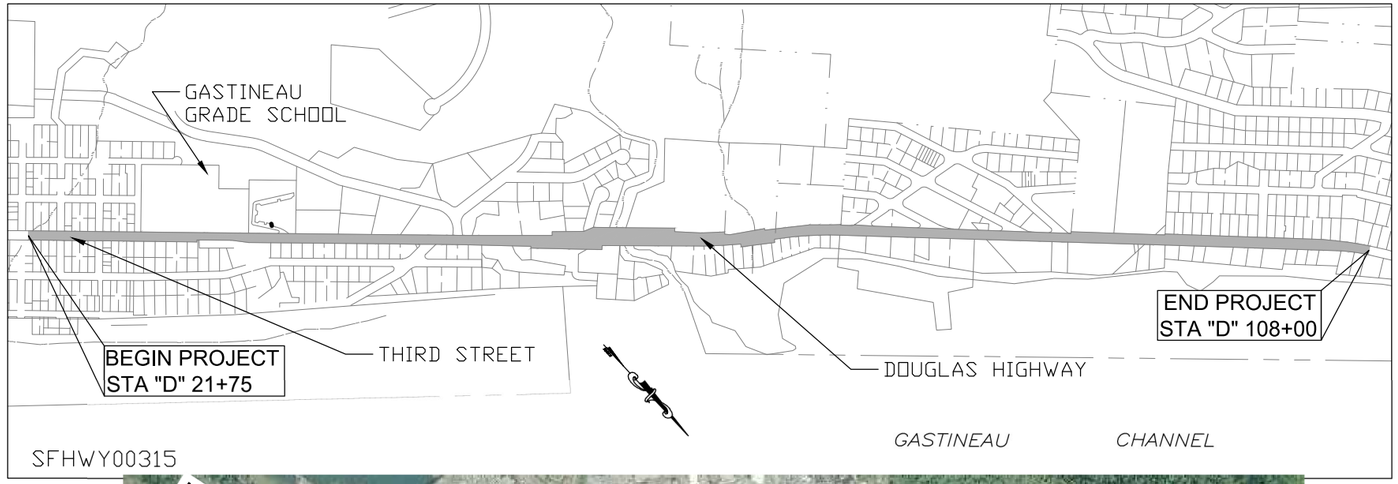
JNU DOUGLAS HIGHWAY SLOPE STABILIZATION

PROJECT NO. SFHWY00163/0959021

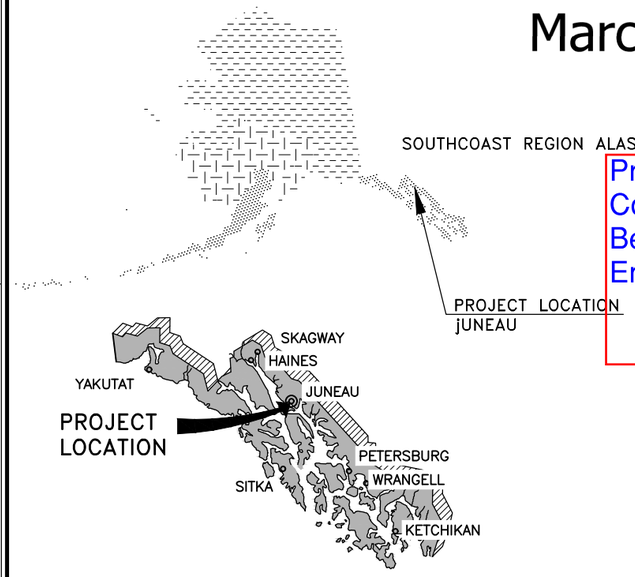
The undersigned hereby certifies that this duplicated document is an exact and true copy of the original.

Jessica Dickale

March 16, 2023



SITE MAPS



VICINITY MAP

Project Engineer : Tina Bergam
Contractor : Secon
Begin Date of Work: 2/28/23
End Date of Work: 10/15/24

Jim Bergam

PLANSET INDEX	
PLANSET	DESCRIPTION
A	JNU DOUGLAS HWY STAGE 2 CONSTRUCTION PROJECT NO. SFHWY00315 / 958032
B	JNU DOUGLAS HIGHWAY SLOPE STABLIZATION PROJECT NO. SFHWY00163 / 0959021

SPECIFICATION INDEX	
DESCRIPTION	APPLICABLE TO:
SPECIAL PROVISIONS AND STANDARD MODIFICATIONS	PLANSETS A & B

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

Jim Bergam 12/16/25

Signature Date

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

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

APPROVED: DocuSigned by: 7/21/2022
KIRK MILLER, P.E. DATE
REGIONAL PRECONSTRUCTION ENGINEER
6EE1E1F341494BA...

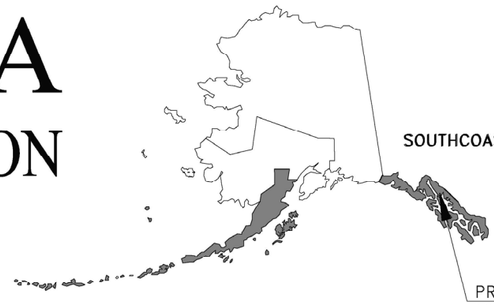
CONCUR: DocuSigned by: 7/21/2022
D. LANCE MEARIG, P.E. DATE
DIRECTOR, SOUTHCOAST REGION
F255012206784D8...

DATE | 7/21/2022 15:05 | LAYOUT | TITLE SHEET | DESIGNED | #### | CHECKED | #### | DRAFTED | ####

FILE | Q:\jnu\SFHWY00315\Planset\SFHWY00351_Cover Sheet.dwg

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES



PROJECT LOCATION
M&O STATION:
6860 GLACIER HIGHWAY
JUNEAU, AK 99801

REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	A1	A9
			PLAN SET TOTAL	85

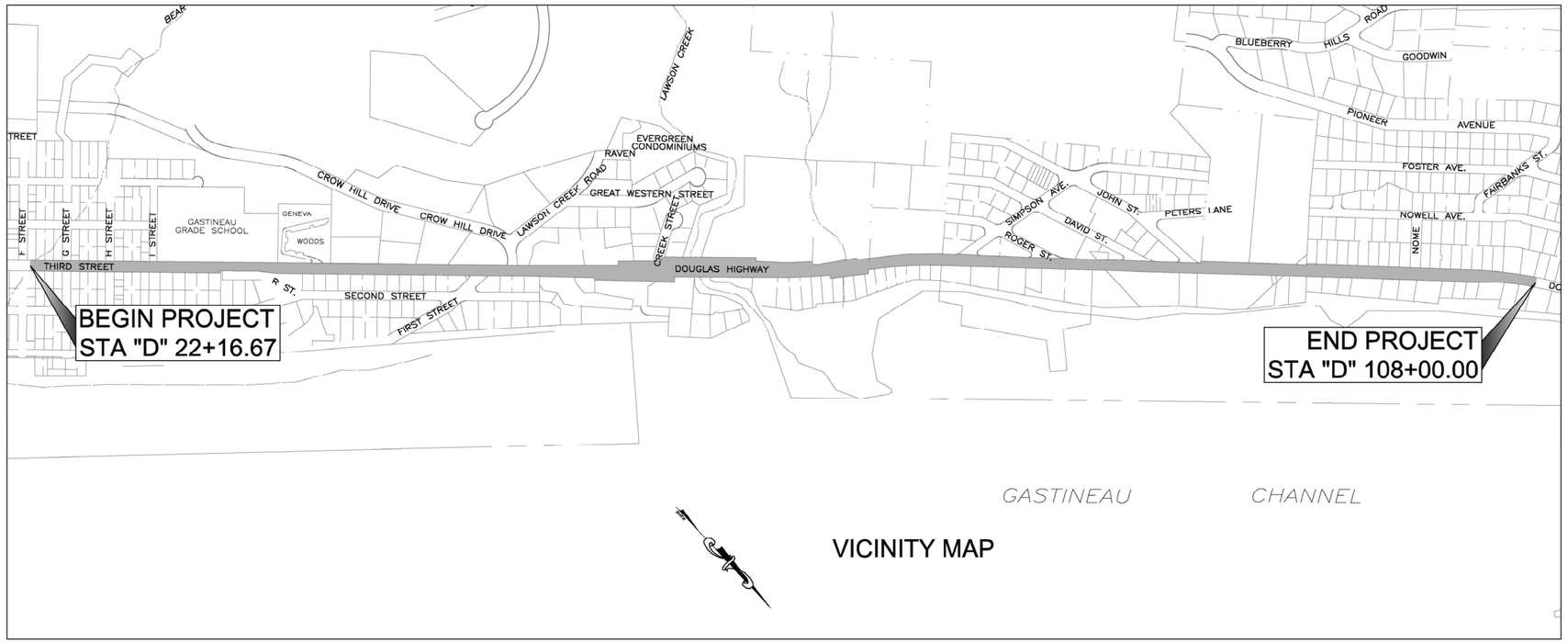
CDS ROUTE: 296110 | MILEPOINT: 0.675 TO 2.301

LATITUDE: 58°16'32.26" N | LONGITUDE: 134°23'34.84" W

PLAN SET A

JNU DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II
PROJECT NO. SFHWY00315/958032

GRADING, DRAINAGE, PAVING, SIDEWALKS & CURB RAMPS



VICINITY MAP

DESIGN DESIGNATIONS

CORDOVA STREET TO I STREET
MP 0.540 TO 2.178

FUNCTIONAL CLASS	MINOR ARTERIAL
ADT (2017)	8440
ADT (2020)	8520
ADT (2027)	8650
ADT (2035)	8830
DHV LAST YEAR W/ TRAFFIC DATA (2017)	930
DHV DESIGN YEAR (2021)	940
DHV MID-LIFE YEAR (2027)	950
DHV DESIGN YEAR (2035)	970
PERCENT TRUCKS (T)	2.8%
DIRECTIONAL SPLIT (D)	60/40
DESIGN SPEED (V)	40
DESIGN ESALS (15 YEARS)	550,000

DESIGN DESIGNATIONS

I STREET TO ST. ANN'S AVENUE
MP 2.178 TO 2.516

FUNCTIONAL CLASS	URBAN ARTERIAL
ADT (2017)	5450
ADT (2021)	5510
ADT (2027)	5590
ADT (2035)	5700
DHV LAST YEAR W/ TRAFFIC DATA (2017)	600
DHV DESIGN YEAR (2021)	610
DHV MID-LIFE YEAR (2027)	610
DHV FUTURE YEAR (2035)	630
PERCENT TRUCKS (T)	2.8%
DIRECTIONAL SPLIT (D)	60/40
DESIGN SPEED (V)	30
DESIGN ESALS (15 YEARS)	350,000

PROJECT SUMMARY

DOUGLAS HIGHWAY MP 0.675 TO MP 2.301

WIDTH OF PAVEMENT	36' TO 40'
LENGTH OF GRADING	8583 FEET
LENGTH OF PAVING	8583 FEET
LENGTH OF PROJECT	8583 FEET

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

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Jul 21, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

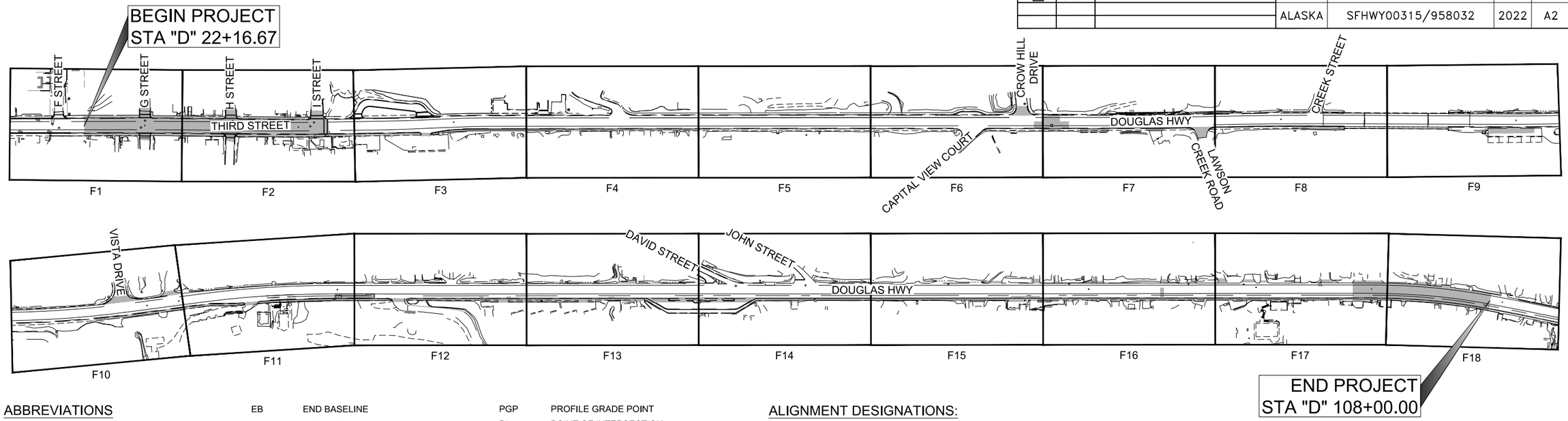
JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

TITLE SHEET

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\jnu-projects\22\70897-02\65CAD\Phase | DATE 7/21/2022 14:31 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED KEMP
LAYOUT A1

NO.	DATE	REVISION
1	12/15/2022	ADDENDUM 1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	A2	A9



ABBREVIATIONS

@	AT
&	AND
ACI	AMERICAN CONCRETE INSTITUTE
ADT	AVERAGE DAILY TRAFFIC
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ATB	ASPHALT TREATED BASE
BB	BEGIN BASELINE
BCP	BLUE CURB PAINT
BFE	BOTTOM FOOTING ELEVATION
BM	BENCH MARK
BOP	BEGINNING OF PROJECT
BOT	BOTTOM
BRMP	BOTTOM OF RAMP
BRG	BEARING
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
CC	CENTER TO CENTER
C&G	CURB AND GUTTER
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
CLSM	CONTROLLED LOW-STRENGTH MATERIAL
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS, CONTINUATION
CPP	CORRUGATED POLYETHYLENE PIPE, TYPE S
CTE	CONNECT TO EXISTING
CTR	CENTER
CY	CUBIC YARD
DET	DETAIL
DIA OR Ø	DIAMETER
DI	DUCTILE IRON
DOT&PF	ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DWG	DRAWING
E	EAST
EA	EACH
EB	END BASELINE
EG	EXISTING GRADE
EL	ELEVATION
ENGR	ENGINEER
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
ESCP	EROSION SEDIMENT CONTROL PLAN
EXST, EX	EXISTING
FDN	FOUNDATION
FG	FINISH GRADE
FL	FLOW LINE (ELEV)
FT	FOOT OR FEET
FTG	FOOTING
GAL	GALLONS
GB	GRADE BREAK
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HORIZ	HORIZONTAL
IN	INCH
INVT, INV	INVERT
J, JB	JUNCTION BOX
JT	JOINT
KIP	1000 POUNDS-FORCE
L	LEFT, LENGTH
LAT	LATITUDE
LB	POUNDS
LF	LINEAR FOOT
LONG	LONGITUDE
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
MTE	MATCH TO EXISTING
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N	NORTH
NO, #	NUMBER, NUMBERING
NTS	NOT TO SCALE
O.C./ OC	ON CENTER
OD	OUTSIDE DIAMETER
PED	PEDESTRIAN
PGP	PROFILE GRADE POINT
PI	POINT OF INTERSECTION
PL	PLACE, PLATE, PROPERTY LINE
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
POC	POINT ON CURVE
POR	POINT OF ROTATION
PRC	POINT OF REVERSE CURVE
PVC	POLYVINYL CHLORIDE PLASTIC
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R, RAD	RADIUS
RD	ROAD
REF	REFER OR REFERENCE
REINF	REINFORCED, REINFORCING, REINFORCED
REQD	REQUIRED
ROW, R/W	RIGHT-OF-WAY
RT	RIGHT
S	SOUTH
SCH	SCHEDULE
SH, SHT	SHEET
SHLD	SHOULDER
SP	SUPER PAVE
SPECS	SPECIFICATIONS
STA	STATION
STD	STANDARD
SWK	SIDEWALK
TBC	TOP BACK OF CURB
TBG	TOP BACK OF GUTTER
TRMP	TOP OF RAMP
TSW	TOP OF SIDEWALK
TCE	TEMPORARY CONSTRUCTION EASEMENT
TOW	TOP OF WALL
TYP	TYPICAL
VC	VERTICAL CURVE
VERT, VT	VERTICAL
VPI	VERTICAL POINT OF INTERSECTION
W	WEST
YCP	YELLOW CURB PAINT

ALIGNMENT DESIGNATIONS:

"D" = DOUGLAS HIGHWAY

THE FOLLOWING STANDARD PLANS APPLY TO THIS PROJECT:

C-04.12	LOCATION OF DOUBLE TRAFFIC FINE SIGNS
C-05.20	INTERIM PAVEMENT MARKINGS
D-20.05	MANHOLES, FRAME AND COVER
D-22.01	STORMDRAIN MANHOLE FRAME AND GRATE DETAILS
D-23.01	CURB INLET BOX, FRAME & GRATE
D-24.00	INLET FRAME AND GRATES
D-26.04	TYPE "A" INLET BOXES
E-09.00	SLOPE ROUNDING AND WARPING
G-00.05	STANDARD GUARDRAIL HARDWARE
G-05.11S	STEEL POST W31 GUARDRAIL
G-10.21	BEAM GUARDRAIL POST INSTALLATION
G-14.01	W31 DOWNSTREAM END ANCHOR ⚠1
G-20.12	WIDENING FOR GUARDRAIL END TERMINALS
G-26.00	W31 SHORT RADIUS GUARDRAIL
I-20.20	CURB CUT, CURB AND GUTTER AND CURB RAMP DETAILS
I-21.12	PARALLEL CURB RAMP
I-22.11	PERPENDICULAR CURB RAMP
M-13.01	SURVEY MONUMENT
M-16.01	BRASS CAP MONUMENT AND MONUMENT CASE
M-20.15	MAILBOX LOCATION
M-23.13	MAILBOX INSTALLATION, MOUNTING AND ANCHORING DETAILS
S-00.12	SIGN FRAMING
S-01.02	BRACING FOR SIGNS MOUNTED ON SINGLE POST
S-05.02	POST MOUNTED SIGN OFFSET AND HEIGHT
S-20.11	SIGN TO SIGN POST CONNECTIONS
S-30.05	LIGHT SIGN STRUCTURE POST EMBEDMENT
S-31.02	SIGN POST BASE AND FOUNDATION
S-32.02	SIGN POST BASE AND FOUNDATION BEHIND BARRIER
T-06.00	RECESSED PAVEMENT MARKERS
T-20.04	PAVEMENT MARKING APPLICATIONS
T-21.04	PAVEMENT MARKING APPLICATIONS
T-22.04	PAVEMENT MARKING SYMBOL DIMENSIONS
T-32.10	LOOP DETECTOR INSTALLATION

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	INDEX, SHEET LAYOUT, AND ABBREVIATIONS
A3	LEGEND AND SYMBOLS
A4-A9	SURVEY CONTROL
B1-B3	TYPICAL SECTIONS
C1-C2	ESTIMATE OF QUANTITIES
D1-D7	SUMMARY TABLES
E1-E7	DETAILS
F1-F18	PLAN AND PROFILE
G1-G9	GRADING & APPROACH PLAN AND PROFILES
H1-H11	SIGNING AND STRIPING
M1	RETAINING WALL PLAN AND PROFILE
M2-M3	RETAINING WALL AND HANDRAIL DETAILS
N1-N3	LAWSON CREEK BRIDGE
Q1-Q2	DRAINAGE PLAN AND PROFILE
P1-P8	EROSION SEDIMENT AND CONTROL PLAN
T1-T3	TRAFFIC CONTROL PLAN

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Apr 03, 2023
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

INDEX, SHEET LAYOUT, AND ABBREVIATIONS

FIRM DOWL
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
PHONE (907) 780-3533
CERTIFICATE OF AUTH #: AECL848
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR
DATE 4/3/2023 14:23
LAYOUT A2
FILE Q:\22\70897-02\65CAD\Phase II\Civil\SC-CT-CV-A-70897.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	A3	A9

ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
DATE	7/14/2022 15:44	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR
FIRM	DOWL	LAYOUT	A3				
FILE	\\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-CV-A-70897.dwg						

	RECOVERED	SET
BLM MONUMENT		
GLO MONUMENT		
USC&GS MONUMENT		
PRIMARY MONUMENT		
CENTERLINE MONUMENT IN CASING		
PRIMARY R.O.W. MONUMENT		
BEARING OBJECT		
MISCELLANEOUS MONUMENT		
LINE OF SIGHT MONUMENT		
CONCRETE R.O.W. MONUMENT		
BENCHMARK		BM
REBAR AND CAP		
REBAR		
IRON PIPE		
PK NAIL		
SPIKE		
HUB AND TACK		
CONSTRUCTION CENTERLINE	5+00	
MISCELLANEOUS CENTERLINE	10+00	
STATION EQUATION	"L"48+97.23 POT BK= "O"48+97.23 PC AHD	
EXISTING RIGHT-OF-WAY LINE	R/W	
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE	C/A	
EXISTING EASEMENT LINE		
PROPOSED EASEMENT LINE		
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
TOWNSHIP & RANGE LINE	T. 2 N. / T. 1 N. — T. 1 E. / T. 2 E.	
MEANDER LINE	M1 M2 M3	

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)	SS	
FUEL LINE	F	
GAS LINE	G	
WATER LINE	W	
WATER LINE - ABANDONED IN PLACE		
METER, VALVE, FIRE HYDRANT		
EXISTING STORM DRAIN	SD	
PROPOSED STORM DRAIN (F SHEET # & PIPE # ON SHEET)		S-10, SD, S-11, MH, P1-11, P1-10
FIBER OPTIC LINE	F/O	
DIRECT BURIAL TELEPHONE CABLE	T	
DIRECT BURIAL ELECTRIC CABLE	UGE	
ELECTRIC LINE (OVERHEAD)	OHE	
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT	T	
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN OR DROP INLET		
MANHOLE	MH	MH
SANITARY SEWER CLEAN OUT		
TREE LINE		
DITCH CENTERLINE		
FLOW CENTERLINE		
FLOW DIRECTION		
PAVEMENT PLANING & OVERLAY		
BASE COURSE REPAIR & NEW PAVEMENT		
REPLACE CONCRETE SIDEWALK		
INVASIVE SPECIES		
OUTLET RIPRAP APRON		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
SIDEWALK/DRIVEWAY PAVEMENT HATCH		
FENCE		
STANDARD CURB AND GUTTER		
VALLEY GUTTER		
DETECTABLE WARNINGS		
GUARDRAIL		
GUARDRAIL END SECTION		
CULVERT PIPE		
SIGN		
MAILBOX	MB	MB
WETLANDS		
EXISTING BUILDINGS	H	
POST OR BOLLARD		
WELL OR MONITORING WELL	W	MW
SEPTIC PIPE	S	
FUEL TANK FILL PIPE/VENT	P	
SATELLITE DISH	SAT. DISH	
TEST HOLE	TH	
CONIFER TREE		
DECIDUOUS TREE		
GRAVE		
THERMOSIPHON		
PARKING METER		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		
BOULDER		

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		5
JUNCTION BOX, TYPE II		6
JUNCTION BOX, TYPE III		3
SIGNAL FACE, VEHICULAR	4.2	
SIGNAL FACE, BACKPLATE	4.2	
SIGNAL FACE, LEFT TURN, BACKPLATE	4.3	
SIGNAL FACE, PEDESTRIAN		
LOOP DETECTOR	33	
VIDEO DETECTOR	2	
RADAR DETECTOR	4	
OPTICOM DETECTOR	1	
PEDESTRIAN PUSH BUTTON	1	
SIGNAL POST W/O MAST ARM		
SIGNAL POLE W/MAST ARM		
SIGNAL CONTROLLER		

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

Signature — Date 12/16/25

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

STATE OF ALASKA 49 TH — Ryan A. Stephens, Jul 14, 2022, No. CE 14391, REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

LEGEND AND SYMBOLS

DESIGNED	JPAPOI
CHECKED	PEDERSON
DRAFTED	JPAPOI

XREFS

SCALE

LAYOUT A4

DATE TIME 5/27/2022 16:53

DRAWING LOCATION Q:\jnu\SFHWY00058\SV\C3D\BASEMAPS\SFHWY00058_SCS_Ph2_082220.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	A4	A9

DOUGLAS HIGHWAY ALIGNMENT D

SEGMENT	STATION	NORTHING	EASTING	BEARING	DISTANCE	STATION	RADIUS	LENGTH	DELTA
L1	10+00.00	204505.23	193106.72	N16° 04' 53"W	112.97	11+12.97			
L2	11+12.97	204613.77	193075.42	N45° 43' 42"W	1279.05	23+92.02			
L3	23+92.02	205506.63	192159.57	N45° 00' 04"W	445.52	28+37.54			
L4	28+37.54	205821.65	191844.54	N46° 39' 13"W	301.87	31+39.41			
C1	31+39.41	206028.86	191625.01			31+86.57	1000.00	47.16	2°42'08"
C2	31+86.57	206060.41	191589.96			33+81.45	3000.00	194.88	3°43'19"
L5	33+81.45	206192.06	191446.32	N45° 38' 02"W	1700.54	50+81.99			
L6	50+81.99	207381.14	190230.63	N45° 38' 54"W	249.79	53+31.78			
L7	53+31.78	207555.77	190052.01	N46° 35' 34"W	359.92	56+91.70			
L8	56+91.70	207803.09	189790.54	N45° 21' 01"W	689.79	63+81.49			
C3	63+81.49	208287.86	189299.81			69+44.91	3250.00	563.42	9°55'58"
C4	69+44.91	208647.18	188866.75			74+50.05	3250.00	505.14	8°54'19"
L9	74+50.05	208965.91	188475.52	N46° 22' 41"W	1457.10	89+07.15			
L10	89+07.15	209971.16	187420.72	N46° 24' 31"W	724.88	96+32.03			
L11	96+32.03	210470.97	186895.70	N46° 23' 02"W	812.51	104+44.54			
C5	104+44.54	211031.46	186307.46			108+45.18	2000.00	400.64	11°28'38"
L12	108+45.18	211334.94	186046.93	N34° 54' 23"W	535.03	113+80.21			
L13	113+80.21	211773.72	185740.77	N34° 20' 00"W	151.78	115+31.99			
L14	115+31.99	211899.05	185655.16	N34° 10' 55"W	144.30	116+76.29			
C6	116+76.29	212018.42	185574.09			117+95.20	480.00	118.91	14°11'38"
L15	117+95.20	212124.02	185520.09	N19° 59' 17"W	39.96	118+35.16			
C7	118+35.16	212161.58	185506.43			119+56.77	550.00	121.61	12°40'07"
L16	119+56.77	212270.35	185452.62	N32° 39' 24"W	26.94	119+83.71			
C8	119+83.71	212293.04	185438.08			121+23.34	290.00	139.63	27°35'13"
L17	121+23.34	212423.89	185393.37	N5° 04' 11"W	22.00	121+45.34			

COORDINATES LISTED IN ALIGNMENT TABLES HOLD OVER BEARING AND DISTANCE

LOW DISTORTION PROJECTION DEFINITION

Name: JNU GRID 2016
Projection type: Transverse Mercator
Latitude of grid origin: 58°24'00.0"N (58.4°)
Central meridian (grid origin): 134°37'00.0"W (-134.616666666667°)
False northing: 250000.00 ft
False easting: 150000.00 ft
Grid scale factor: 1.000003
Linear unit: Survey Feet
Datum: D_NAD_1983_2011
Ellipsoid: GRS_1980
Semi-major axis (m): 6378137.0
Inverse flattening: 298.257222101

DATUM IS NAD83(2011) JNU GRID 2016. VERTICAL DATUM IS NAVD88. TO DERIVE ELEVATIONS WHERE MLLW = 0.00' ADD 3.54 FT. TO NAVD88 ELEVATIONS FOR CURRENT TIDAL EPOCH.

FOR MLLW=0.00' FOR OLD JNU GRID 2000 ADD 3.08 FT

Survey Control Table Alignment D

Point #	Northing	Easting	Elevation	Description	Station	Offset
2	212444.95	185391.14	54.14	3.25"Digmon_GPS_JG16-2	121+44.51	0.37L
44	212726.15	185663.81	66.72	BC_95-J-6_GPS-1995_RTK	N\A	N\A
101	204595.65	193113.52	36.16	GPS_2.5"ALCAP	10+85.00	31.58R
102	205024.50	192626.42	63.73	GPS_MAG/WASH_SET	17+21.18	19.33L
103	205276.39	192353.99	75.73	GPS_ALCAP2.5"_DOT/PF	20+92.09	29.15L
105	205981.12	191718.96	107.91	GPS_MAG/WASH_SET	30+38.32	29.77R
106	206212.08	191458.06	109.37	GPS_MAG/WASH_SET	33+87.06	22.52R
111	207498.20	190084.52	96.98	GPS_ALCAP2.5"_SET	52+68.30	18.44L
112	208243.24	189380.10	73.01	GPS_MAG/WASH_SET	62+93.01	24.69R
114	208910.65	188507.46	57.57	GPS_ALCAP2.5"_SET	73+89.15	18.54L
116	209829.22	187542.13	69.93	GPS_ALCAP2.5"_SET	87+21.33	18.99L
117	210534.00	186876.69	67.30	GPS_ALCAP2.5"_SET	96+89.27	32.51R
118	210961.72	186351.29	57.89	GPS_ALCAP2.5"_SET	103+64.70	20.26L
120	205716.23	191992.64	98.85	GPS_ALCAP2.5"_SET	26+58.27	30.18R
121	206485.91	191183.90	104.71	GPS_ALCAP2.5"_SET	37+74.52	26.58R
122	206743.44	190920.08	100.15	GPS_ALCAP2.5"_SET	41+43.20	26.20R
123	206964.30	190694.77	96.47	GPS_ALCAP2.5"_SET	44+58.70	26.55R
124	207162.05	190492.28	97.29	GPS_ALCAP2.5"_SET	47+41.73	26.33R
125	208563.88	189025.49	66.33	GPS_ALCAP2.5"_SET	67+68.36	26.77R
126	209327.90	188069.55	61.91	GPS_ALCAP2.5"_SET	79+93.67	18.03L

ALL EXISTING HORIZONTAL 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.

CONTROL POINT #2 IS A DIG MONUMENT IN THE CENTER OF THE ROUNDABOUT. IF DISTURBED RESET IN THE SAME LOCATION.

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

Signature 12/16/25 Date

STATE OF ALASKA
H. Erik Pedersen
07/07/22
No. 14828
DEPARTMENT OF TRANSPORTATION PROFESSIONAL LAND SURVEYOR

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

JNU- DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II
SURVEY CONTROL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	A5	A9

DESIGNED JPAPOI
CHECKED PEDERSON
DRAFTED JPAPOI
XREFS
SCALE
LAYOUT A5
DATE TIME 5/27/2022 16:53
DRAWING LOCATION
Q:\jnu\SFHWY00058\SV\C3D\BASEMAPS\SFHWY00058_SCS_Ph2_082220.dwg

Centerline Monuments To Be Removed					
Point #	Northing	Easting	Description	Station	Offset
1002	207803.09	189790.54	1"IP_CL MON	56+91.70	0.00R
1003	206127.47	191512.37	BC2.5"_DOH\CL MON	32+89.10	1.42L
1004	207555.77	190052.01	BC2.5"_DOH\CL MON	53+31.78	0.00R
1005	207381.08	190230.56	BC2.5"_DOH\CL MON	50+81.99	0.10L
1052	208618.03	188907.01	BC2.5"_DOH\CL MON	68+95.21	0.65L
1053	208672.53	188830.68	BC2.5"_DOH\CL MON	69+89.00	0.00L
1054	208966.36	188475.04	BC2.5"_DOH\CL MON	74+50.71	0.00L
1058	210470.97	186895.70	BC2"_DOH\CL MON	96+32.03	0.00R
1067	211037.98	186300.62	BC_DOH\CL MON	104+53.99	0.02L
1068	211327.29	186052.24	BC_CL MON	108+35.87	0.05L

EXISTING CENTERLINE MONUMENTS TO BE REMOVED.

Approximate Location Of New Shoulder Monuments					
Point #	Northing	Easting	Description	Station	Offset
1601	210963.46	186348.39	APPROX_SH_MON	103+68.00	21.00L
1602	210532.78	186878.67	APPROX_SH_MON	96+87.00	33.00R
1603	209830.33	187539.50	APPROX_SH_MON	87+24.00	20.00L
1604	209328.80	188067.19	APPROX_SH_MON	79+96.00	19.00L
1605	208911.52	188504.36	APPROX_SH_MON	73+92.00	20.00L
1606	208550.47	189039.77	APPROX_SH_MON	67+49.00	25.00R
1607	208245.56	189378.20	APPROX_SH_MON	62+96.00	25.00R
1608	207499.69	190082.19	APPROX_SH_MON	52+71.00	19.00L
1609	207171.07	190481.15	APPROX_SH_MON	47+56.00	25.00R
1610	206906.73	190748.55	APPROX_SH_MON	43+80.00	23.00R
1611	206753.58	190903.70	APPROX_SH_MON	41+62.00	22.00R
1612	206548.02	191115.29	APPROX_SH_MON	38+67.00	23.00R
1613	206213.77	191455.59	APPROX_SH_MON	33+90.00	22.00R
1614	205981.67	191715.80	APPROX_SH_MON	30+41.00	28.00R
1615	205719.45	191987.75	APPROX_SH_MON	26+64.00	29.00R
1616	205277.81	192351.31	APPROX_SH_MON	20+95.00	30.00L

PROPOSED LOCATION OF SHOULDER MONUMENTS TO BE SET AFTER CONSTRUCTION. SHOULDER MONUMENTS MUST BE LINE OF SIGHT BETWEEN EACH MONUMENT. CONTRACTOR CAN MOVE THE SHOULDER MONUMENTS AND CASES AS NEEDED TO MAINTAIN SIGHT LINE BETWEEN SHOULDER MONUMENTS AS DIRECTED BY ENGINEER.

⊕ SHOULDER MONUMENT TO BE SET AFTER CONSTRUCTION

Existing Property to Be Referenced & Replaced					
Point #	Northing	Easting	Description	Station	Offset
1016	209046.95	188339.67	PLASCAP_FND_3650S	76+04.30	35.06L
1027	208732.82	188803.87	PLASCAP_FND_5713S\W-Tack	70+46.41	33.02R
1028	208731.78	188805.80	PLASCAP_FND_3650S	70+44.22	33.33R
1029	208713.90	188829.61	ALCAP2"_FND_3650S	70+14.15	32.97R
1031	208824.09	188689.14	PLASCAP_FND_DISTURBED_DESTROYED_CBJ Water Line	N\A	N\A
1032	208746.20	188786.82	PLASCAP_FND_3650S	70+68.31	33.56R
1033	208742.33	188792.34	SPINHOLE_5713S	70+61.50	33.77R
1034	208760.88	188767.71	PLASCAP_FND	70+92.66	33.73R
1042	205328.02	192297.22	REBAR_FND	21+68.78	31.80L
1047	205615.86	192092.16	ALCAP2"_FND	25+16.92	29.57R
1059	210629.54	186691.19	ALCAP2"_FND_3650S	98+89.48	26.28L
1063	210760.08	186645.27	PLASCAP_FND_3650S	100+12.77	36.55R
1064	211123.15	186265.13	REBAR_FND	105+40.14	34.93R
1066	211246.35	186155.52	PLASCAP_LS3650	107+07.96	33.73R
1106	208884.45	188745.91	PLASCAP_FND_3650S	71+88.39	117.43R
1107	208974.62	188655.68	PLASCAP_FND_1410S	73+20.50	128.12R
1132	208535.84	188904.40	PLASCAP_FND_7712S_WTACK	68+48.50	68.67L
1153	205685.68	192020.57	ALCAP2"_FND_12041-S_RESET 2019	26+16.91	28.32R
1156	206868.27	190806.73	ALCAP2"_L9/L10/RW_3650-S	43+11.52	36.18R
1159	207015.27	190657.11	ALCAP2"_L12/L13/RW_3650-S	45+21.27	36.65R

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

MONUMENT NOTES:

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

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

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

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

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

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

Signature Date 12/16/25

STATE OF ALASKA
49th
H. Erik Pedersen
07/07/22
No. 14828
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JNU- DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II
SURVEY CONTROL

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	A6	A9

DESIGNED J.PAPOI
CHECKED PEDERSON
DRAFTED J.PAPOI

XREFS

SCALE

LAYOUT A6

DATE TIME 5/27/2022 16:53

DRAWING LOCATION
Q:\jnu\SFHWY00056\SVA\C3D\BASEMAPS\SFHWY00058_SCS_Ph2_062220.dwg

Existing Property					
Point #	Northing	Easting	Description	Station	Offset
1001	206545.56	191043.18	ALCAP3.25"_RW\TRA3_CHS	39+16.83	29.18L
1007	209370.57	188007.02	ALCAP1.5"_FND	80+68.38	30.28L
1008	209130.09	188264.16	PLASCAP_FND_1410S_WTACK	77+16.32	26.97L
1013	207878.85	189278.58	ALCAP3.25"_TRA_B\GAS_PHASE1_1410S	61+09.15	305.89L
1017	209246.18	188138.65	SPINHOLE_1410S	78+87.27	29.51L
1018	207397.60	189864.58	PLASCAP_FND_CBJ	53+59.26	243.71L
1019	207588.71	189642.85	ALCAP3.25"_CHS\TRII-B1\CEM1983\HDA-L3_1410S	56+51.67	257.24L
1020	207599.85	189641.39	BC2"_MASONIC+CORNER	56+60.39	250.15L
1021	207917.91	189552.88	PLASCAP_FND_1410S	59+41.46	85.33L
1022	207992.62	189480.27	ALCAP3.25"_RW\TRD-CHS-PHASE1\1410S	60+45.62	83.21L
1023	208503.84	189115.17	PLASCAP_FND	66+61.87	36.12R
1024	208478.00	189026.20	ALCAP_3.25-DIGMON-1410S-ROW	67+14.45	40.18L
1030	208664.63	188787.06	ALCAP_3.25_DIGMON_7712-S_ROW-L3-EM3-TRA-1-USS1900	70+19.62	31.90L
1037	208686.41	188899.93	PLASCAP_FND_3650S	69+40.05	51.15R
1038	208609.04	189008.83	PLASCAP_FND_5713S\W-Tack	68+08.57	52.47R
1044	205749.71	191875.42	PLASCAP_FND_3650S	27+64.82	29.03L
1045	205678.69	191945.99	PLASCAP_FND_PLUG-BROKEN	26+64.71	29.36L
1049	207301.27	190263.89	PLASCAP_FND_CBJ	50+02.36	33.84L
1050	207567.66	189993.39	PLASCAP_FND_CBJ	53+82.54	31.64L
1051	208572.90	189057.66	PLASCAP_FND_5713S	67+48.81	53.69R
1056	209840.63	187523.00	PLASCAP_FND_3650S	87+43.05	23.92L
1057	209721.42	187626.43	PLASCAP_FND_3650S	85+85.93	38.86L
1060	210837.16	186476.97	ALCAP2"_FND_JW.BEAN	101+87.78	23.74L
1061	210835.90	186476.50	IP3/4"_FND	101+87.26	24.98L
1076	208238.31	189652.65	PLASCAP_FND_WHITE /NO-MARKINGS	60+95.65	212.72R
1081	207918.58	189737.12	PLASCAP_FND_3650S	58+10.86	44.62R
1082	210451.43	187116.74	BC2.5"_GLO_xx15273-C1_S2564	94+58.46	138.25R
1089	210246.65	187184.39	PLASCAP_FND_3650S	92+68.27	36.58R
1090	210293.45	187224.29	PLASCAP_FND_3650S	92+71.64	97.99R
1091	210291.29	186949.93	ALCAP2.5"_FND_6268S	94+68.86	92.75L
1093	207585.03	190220.84	PLASCAP_FND_C&B OF JUNEAU	52+31.52	138.95R
1094	207624.19	190208.62	PLASCAP_FND_C&B OF JUNEAU	52+67.62	158.41R
1095	207560.96	190099.09	PLASCAP_FND_ATS 4016	53+01.75	36.62R
1096	208296.12	189435.55	BC2.5"GLO-WC-MC_C2-S2111_C4-BMS-341B_1932	62+90.73	101.27R
1097	207506.20	190297.52	ALCAP3.25"_ROW/L4 BLKC-1410S	51+21.58	136.18R

Existing Property					
Point #	Northing	Easting	Description	Station	Offset
1098	207531.97	190324.98	PLASCAP_FND_D.H.S. SURVEYING	51+19.95	173.81R
1099	207597.58	190275.62	ALCAP_ALTEC-1016S	52+01.11	186.21R
1110	209654.22	187348.43	PLASCAP_FND_10611S	87+40.82	279.30L
1111	209753.68	187223.82	ALCAP2"_FND_3650S	88+99.64	293.28L
1112	209815.14	187291.14	PLASCAP_FND_3136S	88+93.31	202.34L
1113	209799.35	187311.02	PLASCAP_FND_3136S	88+68.03	200.05L
1114	209785.08	187328.68	PLASCAP_FND_3136S	88+45.40	198.19L
1115	209775.13	187342.45	PLASCAP_FND_DISTURBED	88+28.57	195.91L
1116	209756.75	187364.19	PLASCAP_FND_UNREADABLE	88+00.15	194.21L
1117	209742.68	187381.82	PLASCAP_FND_10611S	87+77.68	192.23L
1118	209724.51	187404.54	PLASCAP_FND	87+48.70	189.71L
1119	209816.77	187450.17	PLASCAP_FND	87+79.32	91.44L
1133	208469.51	188887.33	PLASCAP_FND_7712S_WTACK	68+21.78	132.08L
1134	208343.35	188906.31	PLASCAP_FND_7712S	67+24.25	220.22L
1135	208306.39	188924.35	REBAR_FND	66+84.16	237.63L
1136	208198.11	189023.88	SPINHOLE_FND_REBAR	65+26.09	254.80L
1145	211474.77	186146.69	SPINHOLE_FND_PLASTIC CAP_7570S	109+02.77	161.83R
1148	207135.51	190676.72	ALCAP3.25"_L13\L14\BLK_B\RW_1410S	45+91.32	136.32R
1149	206793.10	191027.28	PLASCAP_FND_FINLEY_6277S	41+01.29	136.66R
1150	206744.16	191077.25	PLASCAP_FND_FINLEY_6277S	40+31.34	136.62R
1151	206694.71	191126.65	REBAR_FND	39+61.45	135.81R
1154	206770.24	190906.99	ALCAP2"_L7/L8/RW_3650-S	41+71.29	36.21R
1155	206819.44	190856.85	ALCAP2"_L8/L9/RW_3650-S	42+41.54	36.32R
1157	206917.31	190756.55	PLASCAP_L10/L11/RW_3650-S	43+81.68	36.16R
1158	206966.22	190706.88	ALCAP2"_L11/L12/RW_3650-S	44+51.39	36.39R
1160	207064.05	190606.93	ALCAP2"_L13/L14/RW_3650-S	45+91.26	36.44R
1161	207157.07	190511.91	ALCAP2"_L14/RW_3650-S	47+24.22	36.49R
1162	207173.25	190526.54	ALCAP2"_L14/RW_3650-S	47+25.07	58.29R

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Signature 12/16/25 Date

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49th
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07/07/22
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JNU- DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II
SURVEY CONTROL

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	A7	A9

DESIGNED J.PAPOI
CHECKED PEDERSON
DRAFTED J.PAPOI

XREFS

SCALE

LAYOUT A7

DATE TIME 5/27/2022 16:53

DRAWING LOCATION
Q:_jnu\SFHWY00058\SV\C3D\BASEMAPS\SFHWY00058_SCS_Ph2_082220.dwg

0 100 200 Feet

1145 1082 1066 1064 1063 117 1602 1058 1068 1067 118 1601 1060 1061 1059 1091

DOUGLAS HIGHWAY

ALIGNMENT "D"

109+00 108+00 107+00 C5 106+00 105+00 104+00 103+00 102+00 101+00 L11 100+00 99+00 98+00 97+00 96+00 95+00 94+00

PT: STA: 108+45.18

PC: STA: 104+44.54

NOME STREET

PI: STA: 96+32.03

1082 1090 1089 1091

DOUGLAS HIGHWAY

L10

95+00 94+00 93+00 92+00 91+00 90+00 89+00 88+00 87+00 86+00 85+00 84+00 83+00 82+00 81+00 80+00 L9

1056 1603 116 1057 1007 1604 126

1119

JOHN STREET

DAVID STREET

1112 1113 1115 1114 1117 1116 1118 1110 1111

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

Jim Bergan 12/16/25

Signature Date

0 100 200 Feet

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49th
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JNU- DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II

SURVEY CONTROL

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	A8	A9

DESIGNED J.PAPOI
CHECKED PEDERSON
DRAFTED J.PAPOI

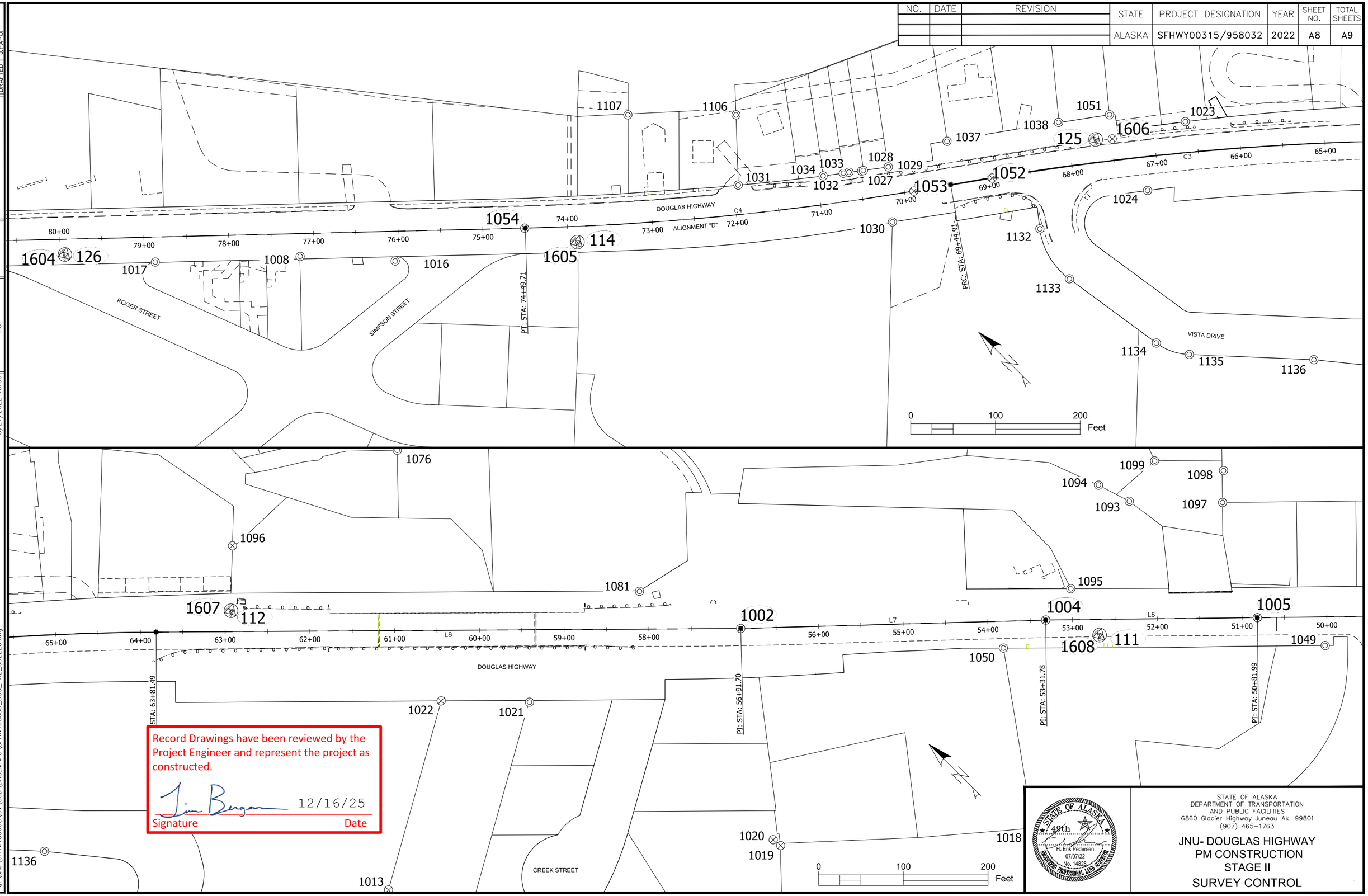
XREFS

SCALE

LAYOUT A8

DATE TIME 5/27/2022 16:53

DRAWING LOCATION Q:\jnu\SFHWY00058\SV\C3D\BASEMAPS\SFHWY00058_SCS_Ph2_082220.dwg



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REGISTERED PROFESSIONAL LAND SURVEYOR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	A9	A9

DESIGNED J.PAPOI
CHECKED PEDERSON
DRAFTED J.PAPOI

XREFS

SCALE

LAYOUT A9

DATE TIME 5/27/2022 16:53

DRAWING LOCATION
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1005 1049 1609 124 1610 123 1611 122 1612 121 1001
1148 1149 1150 1151 1162 1161 1160 1159 1158 1157 1156 1155 1154

CAPITAL VIEW COURT
DOUGLAS HIGHWAY
LAWSON CREEK ROAD
PI: STA: 50+81.99

51+00 50+00 49+00 48+00 47+00 46+00 45+00 44+00 43+00 42+00 41+00 40+00 39+00 38+00 37+00 36+00

0 100 200 Feet

1613 106 1614 105 1615 120 1003 1153 1047 1042 1616 103
1044 1045

PT: STA: 33+81.45
PRC: STA: 31+86.57
PC: STA: 31+39.41
PI: STA: 28+37.54
PI: STA: 23+92.02
TCE-38

H STREET
G STREET
F STREET
I STREET
DOUGLAS HIGHWAY
ALIGNMENT "D"

36+00 35+00 34+00 33+00 32+00 31+00 30+00 29+00 28+00 27+00 26+00 25+00 24+00 23+00 22+00 21+00

0 100 200 Feet

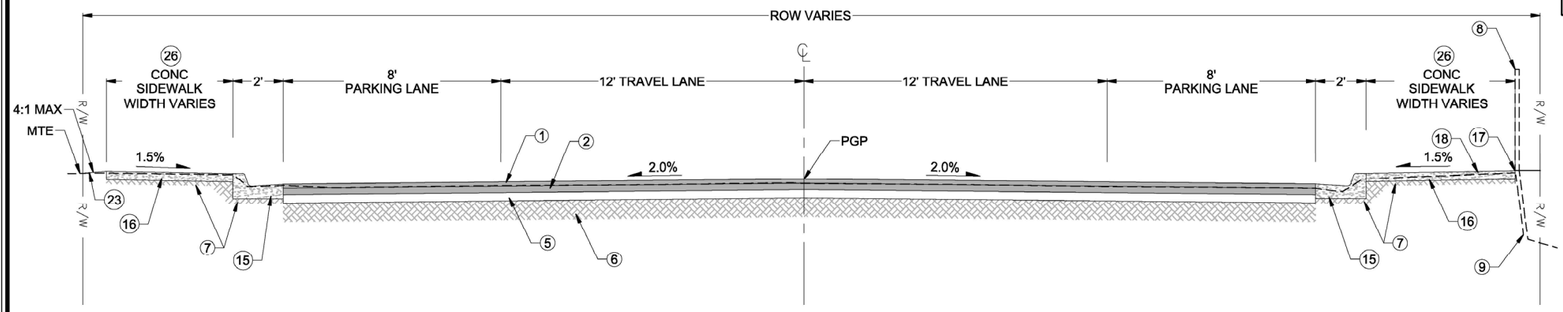
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Jim Bergan 12/16/25
Signature Date

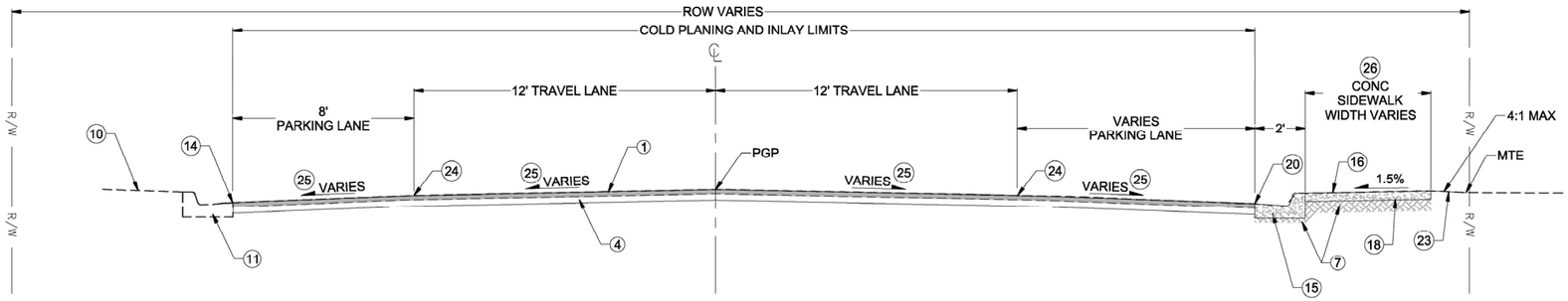
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 Glacier Highway Juneau Ak. 99801
(907) 465-1763

JNU- DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II
SURVEY CONTROL

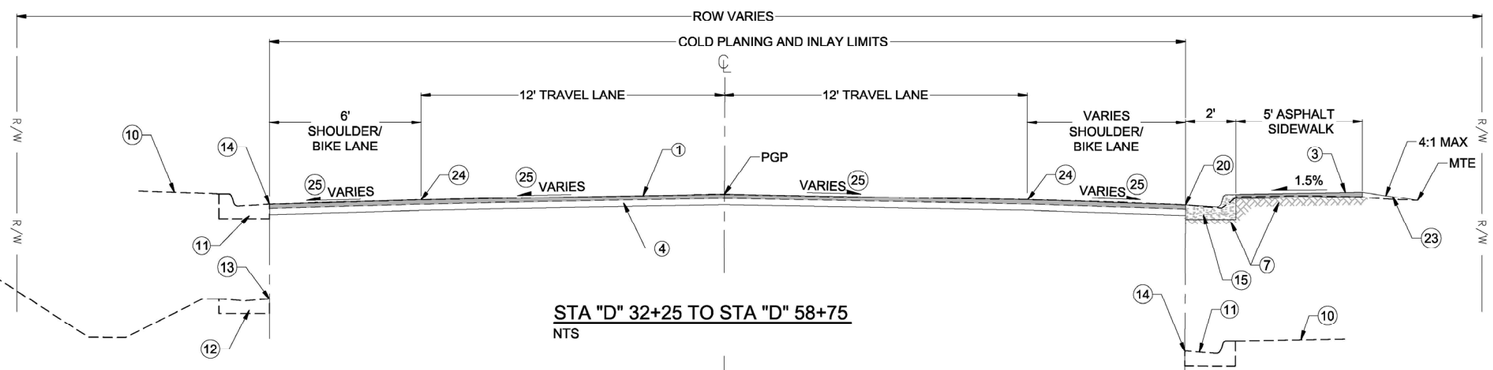
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	B1	B3



STA "D" BOP TO STA "D" 29+25
NTS



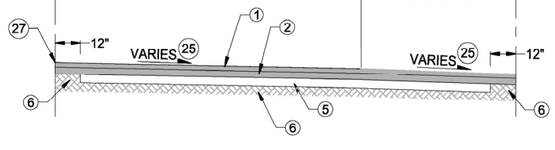
STA "D" 29+25 TO STA "D" 32+25
NTS



STA "D" 32+25 TO STA "D" 58+75
NTS

STA "D" 49+50 TO STA "D" 58+75
NTS

STA "D" 40+04 TO STA "D" 57+25
NTS



STA "D" 49+75 TO STA "D" 50+75
NTS

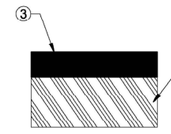
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Jim Bergan 12/16/25

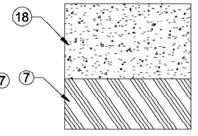
Signature Date

NOTES:

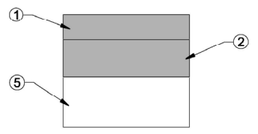
1. 2" HMA, SP, TYPE B
2. 3" ATB
3. 2" ASPHALT SIDEWALK
4. EXISTING ASPHALT
5. 4" AGGREGATE BASE COURSE, GRADING D-1
6. EXISTING SUBGRADE
7. REGRADE & RECOMPACT EXISTING BED COURSE MATERIAL. INSTALL ADDITIONAL BASE COURSE MATERIAL, GRADING D-1 AS NEEDED AND APPROVED BY THE ENGINEER TO MEET GRADES
8. SEE F SHEETS FOR EXISTING PIPE HANDRAIL LOCATIONS AND DETAIL NOTES FOR WORK TO BE PERFORMED
9. PRESERVE & PROTECT EXISTING RETAINING WALL (LOCATIONS SHOWN ON F SHEETS)
10. PRESERVE & PROTECT EXISTING SIDEWALK
11. PRESERVE & PROTECT EXISTING CURB AND GUTTER
12. PRESERVE & PROTECT EXISTING GUTTER
13. MATCH EXISTING GUTTER
14. MATCH EXISTING CURB AND GUTTER
15. INSTALL STANDARD CURB AND GUTTER
16. INSTALL CONCRETE SIDEWALK, 4 INCHES THICK. SUPPLEMENT EXISTING BED COURSE WITH NEW BED COURSE AS REQUIRED
17. INSTALL EXPANSION JOINT BETWEEN SIDEWALK AND EXISTING WALL WHERE APPLICABLE. SEE F SHEETS FOR WALL LOCATIONS
18. INSTALL CONCRETE SIDEWALK, 6 INCHES THICK AT ALL DRIVEWAY CUTS (SEE D AND F SHEETS FOR DRIVEWAY LOCATIONS). SUPPLEMENT EXISTING BED COURSE WITH NEW BED COURSE AS REQUIRED
19. SEE D AND F SHEETS FOR LOCATIONS OF DRIVEWAY CUTS
20. REPLACE EXISTING GUTTER, CURB AND GUTTER, AND SIDEWALK AT LOCATIONS SHOWN ON THE D SHEETS & F SHEETS. NEW GUTTER AND STANDARD CURB AND GUTTER TO MATCH LINE AND GRADE OF EXISTING GUTTER AND STANDARD CURB AND GUTTER UNLESS OTHERWISE SHOWN ON THE G SHEETS. REGRADE AND RECOMPACT EXISTING BED COURSE AS NECESSARY TO INSTALL NEW STANDARD CURB AND GUTTER, SIDEWALK, AND ATB (WHERE SHOWN) ADJACENT TO CURB AND GUTTER
21. EXISTING UTILITIES SHOWN ON F SHEETS. LOCATION AND SIZE OF EXISTING UTILITIES ARE BASED ON RECORD DRAWINGS
22. ROADWAY CROSS-SLOPES ARE GENERALLY 2% TO 3% AWAY FROM THE CROWN LINE. VARIATIONS OCCUR IN AREAS WHERE THE ROADWAY IS SUPER-ELEVATED. MAINTAIN EXISTING CROSS SLOPES ON THE ROADWAY, UNLESS OTHERWISE NOTED
23. TOPSOIL AND SEED, 3" MIN. THICK, ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN. TOPSOIL AND SEEDING WILL BE INCIDENTAL TO OTHER WORK
24. EXISTING GRADE BREAK
25. RE-ESTABLISH CROSS SLOPE BY REFERENCING THE DESIGN PROFILE AT THE PGP, THE EXISTING GRADE BREAK AT THE SHOULDER, AND THE LIP OF GUTTER ELEVATION
26. MATCH EXISTING SIDEWALK WIDTH UNLESS OTHERWISE NOTED ON F SHEETS
27. SAWCUT ASPHALT PAVEMENT FULL DEPTH. MATCH TO EXISTING ASPHALT ELEVATON



ASPHALT DRIVEWAY
NTS



CONCRETE DRIVEWAY
NTS



PUBLIC DRIVEWAY
NTS

RESIDENTIAL, COMMERCIAL AND PUBLIC DRIVEWAY STRUCTURAL SECTIONS
NTS - SEE D SHEETS AND F SHEETS FOR DRIVEWAY LOCATIONS AND DIMENSIONS

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Jul 13, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

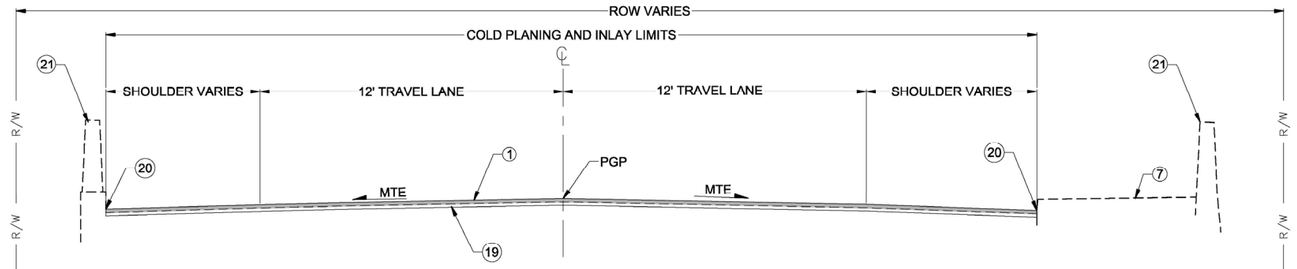
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

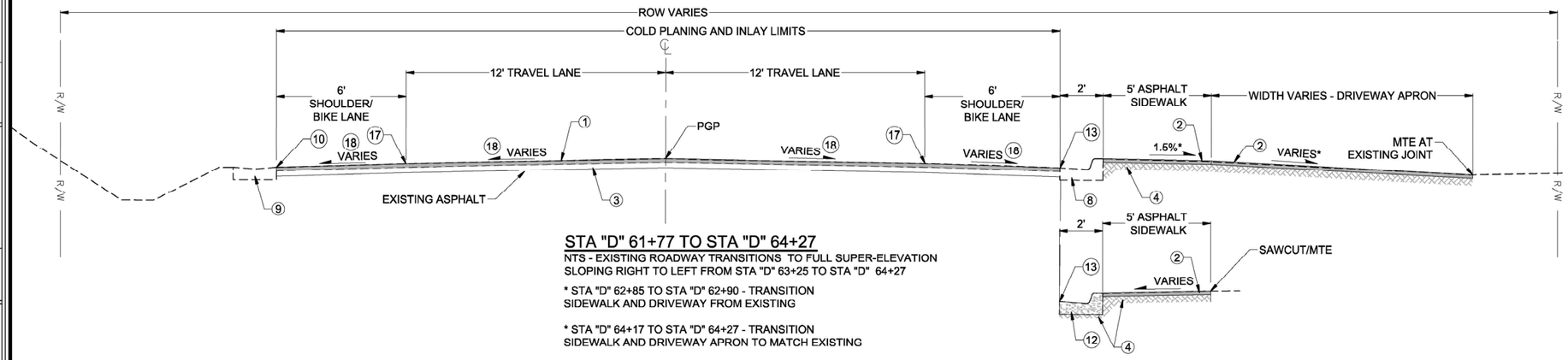
TYPICAL SECTIONS

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/12/2022 14:44 | LAYOUT B1
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-TS-B-70897.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	B2	B3



STA "D" 58+75 TO STA "D" 61+77 (LAWSON CREEK BRIDGE)
NTS

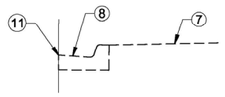


STA "D" 61+77 TO STA "D" 64+27
NTS - EXISTING ROADWAY TRANSITIONS TO FULL SUPER-ELEVATION
SLOPING RIGHT TO LEFT FROM STA "D" 63+25 TO STA "D" 64+27

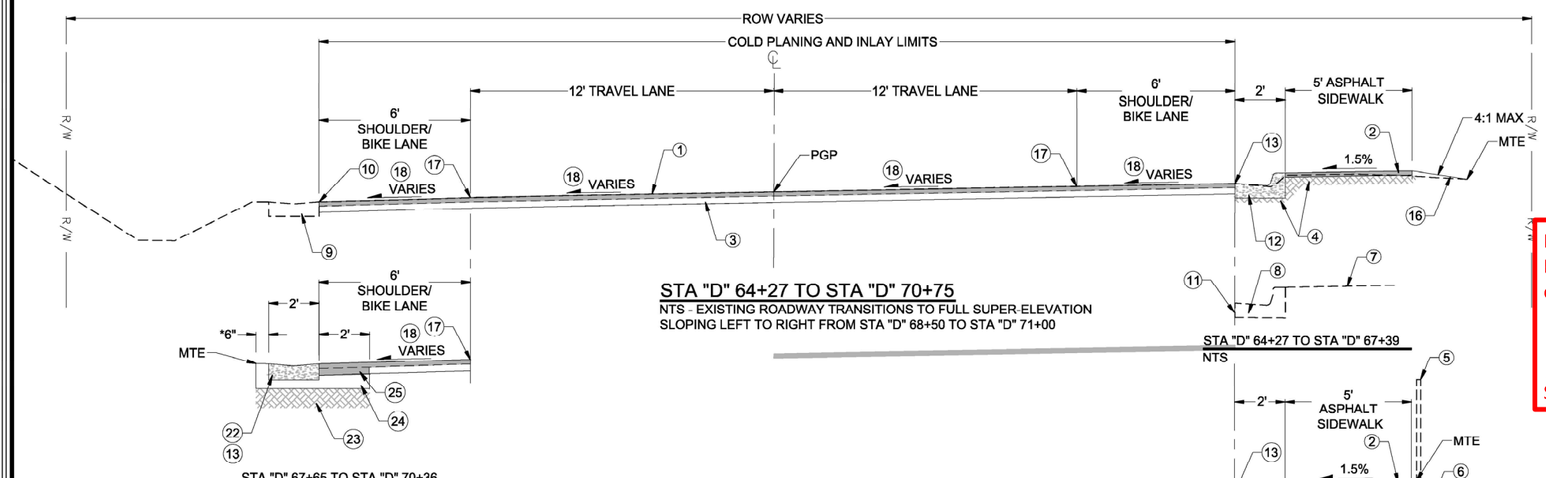
* STA "D" 62+85 TO STA "D" 62+90 - TRANSITION
SIDEWALK AND DRIVEWAY FROM EXISTING

* STA "D" 64+17 TO STA "D" 64+27 - TRANSITION
SIDEWALK AND DRIVEWAY APRON TO MATCH EXISTING

STA "D" 61+77 TO STA "D" 61+88
NTS - TRANSITION NEW CURB AND GUTTER
FROM STA "D" 61+77 TO STA "D" 61+88



STA "D" 61+88 TO STA "D" 62+85
NTS

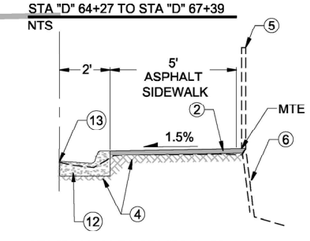


STA "D" 64+27 TO STA "D" 70+75
NTS - EXISTING ROADWAY TRANSITIONS TO FULL SUPER-ELEVATION
SLOPING LEFT TO RIGHT FROM STA "D" 68+50 TO STA "D" 71+00

STA "D" 67+65 TO STA "D" 70+36
NTS

* STA "D" 68+87 TO STA "D" 69+38 - WIDTH VARIES.
REFERENCE F SHEETS AND STANDARD PLANS FOR
GUARDRAIL INSTALLATION

STA "D" 64+27 TO STA "D" 67+39
NTS



STA "D" 68+00 TO STA "D" 70+75
NTS

NOTES:

1. 2" HMA, SP, TYPE B
2. 2" ASPHALT SIDEWALK
3. EXISTING ASPHALT
4. REGRADE & RECOMPACT EXISTING BED COURSE MATERIAL. INSTALL ADDITIONAL BASE COURSE MATERIAL, GRADING D-1 AS NEEDED AND APPROVED BY THE ENGINEER TO MEET GRADES
5. PRESERVE & PROTECT EXISTING HANDRAIL (LOCATIONS SHOWN ON F SHEETS)
6. PRESERVE & PROTECT EXISTING RETAINING WALL (LOCATIONS SHOWN ON F SHEETS)
7. PRESERVE & PROTECT EXISTING SIDEWALK
8. PRESERVE & PROTECT EXISTING CURB AND GUTTER
9. PRESERVE & PROTECT EXISTING GUTTER
10. MATCH EXISTING GUTTER
11. MATCH EXISTING CURB & GUTTER
12. INSTALL STANDARD CURB AND GUTTER
13. REPLACE EXISTING GUTTER, CURB AND GUTTER, AND SIDEWALK AT LOCATIONS SHOWN ON THE D SHEETS & F SHEETS. NEW GUTTER AND STANDARD CURB AND GUTTER TO MATCH LINE AND GRADE OF EXISTING GUTTER AND STANDARD CURB AND GUTTER UNLESS OTHERWISE SHOWN ON THE G SHEETS. REGRADE AND RECOMPACT EXISTING BED COURSE AS NECESSARY TO INSTALL NEW STANDARD CURB AND GUTTER, SIDEWALK, AND ATB (WHERE SHOWN) ADJACENT TO CURB AND GUTTER
14. EXISTING UTILITIES SHOWN ON F SHEETS. LOCATION AND SIZE OF EXISTING UTILITIES ARE BASED ON RECORD DRAWINGS
15. ROADWAY CROSS-SLOPES ARE GENERALLY 2% TO 3% AWAY FROM THE CROWN LINE. VARIATIONS OCCUR IN AREAS WHERE THE ROADWAY IS SUPER-ELEVATED. MAINTAIN EXISTING CROSS SLOPES ON THE ROADWAY, UNLESS OTHERWISE NOTED
16. TOPSOIL AND SEED, 3" MIN. THICK, ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN. TOPSOIL AND SEEDING WILL BE INCIDENTAL TO OTHER WORK
17. EXISTING GRADE BREAK
18. RE-ESTABLISH CROSS SLOPE BY REFERENCING THE DESIGN PROFILE AT THE PGP, THE EXISTING GRADE BREAK AT THE SHOULDER, AND THE LIP OF GUTTER ELEVATION
19. EXISTING ASPHALT. PRESERVE & PROTECT EXISTING MEMBRANE UNDER EXISTING ASPHALT
20. MATCH EXISTING EDGE OF ASPHALT. PRESERVE & PROTECT EXISTING BRIDGE CURB AND SCUPPERS.
21. PRESERVE & PROTECT EXISTING BRIDGE RAIL
22. INSTALL GUTTER
23. EXISTING SUBGRADE
24. 4" AGGREGATE BASE COURSE, GRADING D-1
25. 3" ATB

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Jul 13, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

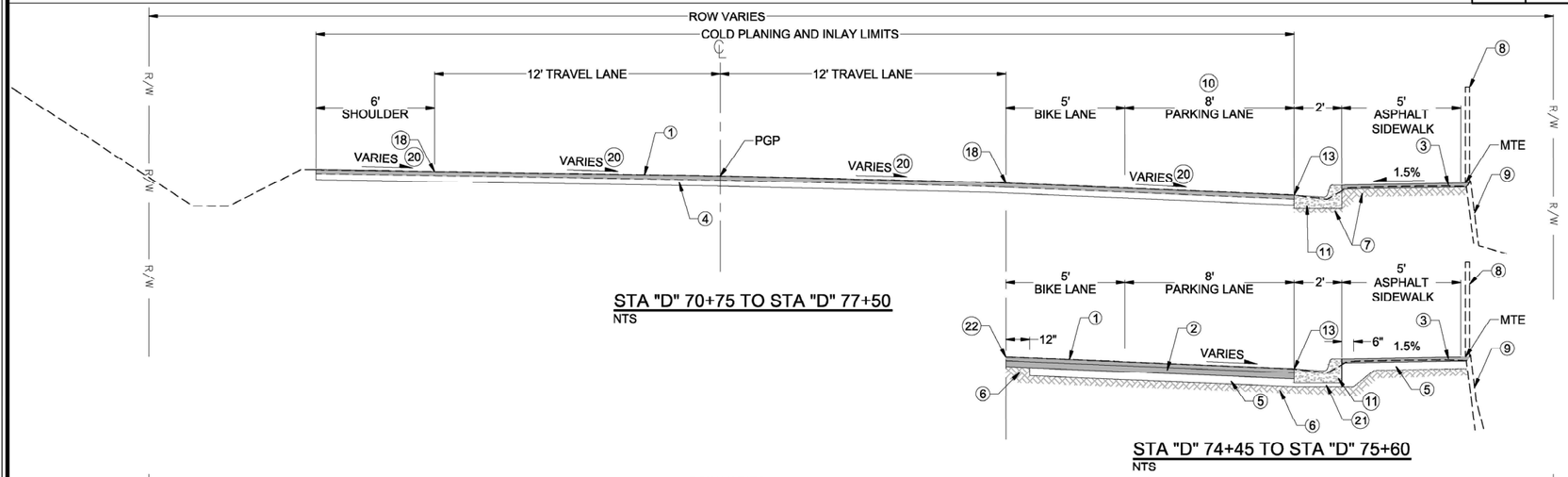
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

TYPICAL SECTIONS

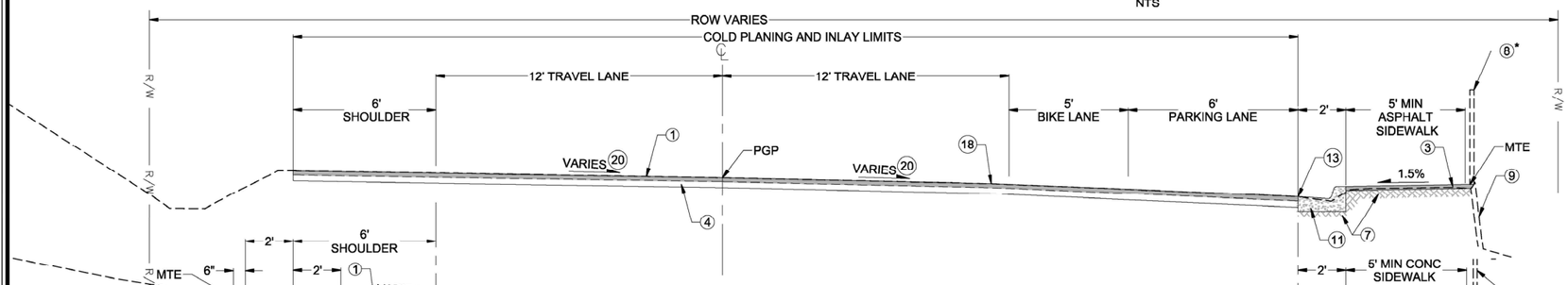
FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-TS-B-70897.dwg | DATE 7/12/2022 14:44 | LAYOUT B2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	B3	B3



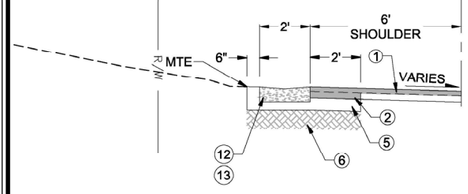
STA "D" 70+75 TO STA "D" 77+50
NTS

STA "D" 74+45 TO STA "D" 75+60
NTS

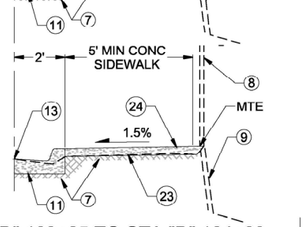


STA "D" 77+50 TO STA "D" 104+00
NTS

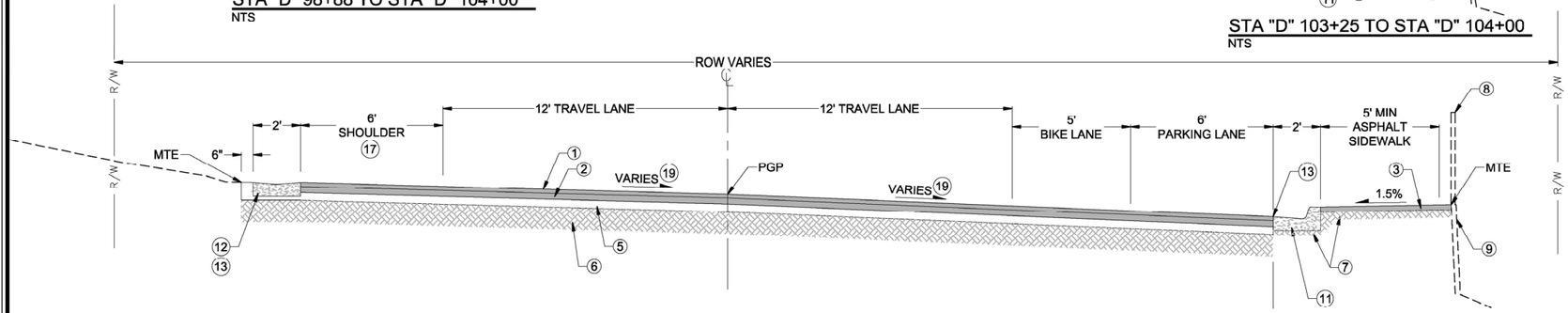
* STA "D" 78+68 TO STA "D" 82+15 - SEE M SHEETS FOR PROPOSED GRAVITY BLOCK WALL PLAN AND DETAILS



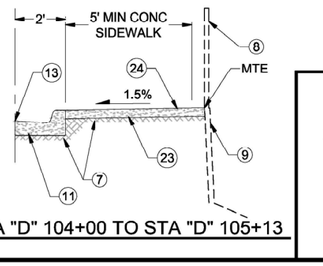
STA "D" 98+88 TO STA "D" 104+00
NTS



STA "D" 103+25 TO STA "D" 104+00
NTS



STA "D" 104+00 TO STA "D" EOP
NTS



STA "D" 104+00 TO STA "D" 105+13
NTS

NOTES:

1. 2" HMA, SP, TYPE B
2. 3" ATB
3. 2" ASPHALT SIDEWALK
4. EXISTING ASPHALT
5. 4" AGGREGATE BASE COURSE, GRADING D-1
6. EXISTING SUBGRADE
7. REGRADE & RECOMPACT EXISTING BED COURSE MATERIAL. INSTALL ADDITIONAL BASE COURSE MATERIAL, GRADING D-1 AS NEEDED AND APPROVED BY THE ENGINEER TO MEET GRADES
8. PRESERVE & PROTECT EXISTING HANDRAIL (LOCATIONS SHOWN ON F SHEETS)
9. PRESERVE & PROTECT EXISTING RETAINING WALL (LOCATIONS SHOWN ON F SHEETS)
10. TRANSITION TO PARKING LANE ON RIGHT SIDE OCCURS BETWEEN STA "D" 70+75 TO STA "D" 71+40
11. INSTALL STANDARD CURB AND GUTTER
12. INSTALL GUTTER
13. REPLACE EXISTING GUTTER, CURB AND GUTTER, AND SIDEWALK AT LOCATIONS SHOWN ON THE D SHEETS & F SHEETS. NEW GUTTER AND STANDARD CURB AND GUTTER TO MATCH LINE AND GRADE OF EXISTING GUTTER AND STANDARD CURB AND GUTTER UNLESS OTHERWISE SHOWN ON THE G SHEETS. REGRADE AND RECOMPACT EXISTING BED COURSE AS NECESSARY TO INSTALL NEW STANDARD CURB AND GUTTER, SIDEWALK, AND ATB (WHERE SHOWN) ADJACENT TO CURB AND GUTTER
14. EXISTING UTILITIES SHOWN ON F SHEETS. LOCATION AND SIZE OF EXISTING UTILITIES ARE BASED ON RECORD DRAWINGS
15. ROADWAY CROSS-SLOPES ARE GENERALLY 2% TO 3% AWAY FROM THE CROWN LINE. VARIATIONS OCCUR IN AREAS WHERE THE ROADWAY IS SUPER-ELEVATED. MAINTAIN EXISTING CROSS SLOPES ON THE ROADWAY, UNLESS OTHERWISE NOTED
16. TOPSOIL AND SEED, 3" THICK, ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN. TOPSOIL AND SEEDING WILL BE CONSIDERED INCIDENTAL TO OTHER WORK
17. TRANSITION SHOULDER WIDTH FROM 6 FEET TO 3.5 FEET BETWEEN STA "D" 107+79 AND STA "D" 108+00
18. EXISTING GRADE BREAK
19. RE-ESTABLISH CROSS SLOPE BY REFERENCING THE DESIGN PROFILE AT THE PGP AND THE ELEVATION AT THE LIP OF GUTTER
20. RE-ESTABLISH CROSS SLOPE BY REFERENCING THE DESIGN PROFILE AT THE PGP, THE EXISTING GRADE BREAK AT THE SHOULDER, AND THE LIP OF GUTTER ELEVATION
21. 2" MIN. AGGREGATE BED COURSE, GRADING D-1
22. SAWCUT ASPHALT PAVEMENT FULL DEPTH. MATCH TO EXISTING ASPHALT ELEVATION
23. INSTALL CONCRETE SIDEWALK, 4 INCHES THICK. SUPPLEMENT EXISTING BED COURSE WITH NEW BED COURSE AS REQUIRED
24. INSTALL CONCRETE SIDEWALK, 6 INCHES THICK AT ALL DRIVEWAY CUTS (SEE D AND F SHEETS FOR DRIVEWAY LOCATIONS). SUPPLEMENT EXISTING BED COURSE WITH NEW BED COURSE AS REQUIRED

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 13, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

TYPICAL SECTIONS

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 7/12/2022 14:44 | LAYOUT B3 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase 11\Civil\SC-CT-TS-B-70897.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	C1	C2

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201.0009.0000	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D
201.2001.0000	INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL	SQUARE YARD	~~239~~ 226.1
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	~~9,660~~11,513
202.0003.0000	REMOVAL OF SIDEWALK	SQUARE YARD	~~1,483~~ 1,242
202.0004.0000	REMOVAL OF CULVERT PIPE	LINEAR FOOT	~~343~~ 408
202.0009.0000	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	~~6,631~~ 6,936
202.0010.0000	SINGLE MAIL BOX INSTALLATION	EACH	~~4~~ 0
202.0020.0000	REMOVAL OF SINGLE MAIL BOX	EACH	4
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	~~1,097~~ 468
203.0006.000B	BORROW, TYPE B	TON	~~1,146~~ 283
205.0005.0000	CONTROLLED LOW-STRENGTH MATERIAL	CUBIC YARD	~~15~~
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	~~1,882~~ 2,409
303.2003.0000	DITCH RECONDITIONING	LINEAR FOOT	~~3,496~~ 3,309
306.0001.0000	ATB	TON	~~1,184~~ 1,738
306.0002.6428	ASPHALT BINDER, GRADE PG 64-28 E	TON	~~63~~ 78
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	TON	~~17~~ 18
408.2001.000B	HMA, SP; TYPE B	TON	~~5,112~~ 4,808
408.2004.6428	ASPHALT BINDER, GRADE PG 64-28 E	TON	~~271~~ 304
408.2008.000B	HMA PRICE ADJUSTMENT, SP ; TYPE B	CONTINGENT SUM	ALL REQ'D
408.2009.0000	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
408.2010.0002	PAVEMENT SMOOTHNESS PRICE ADJUSTMENT, METHOD 2	CONTINGENT SUM	ALL REQ'D
408.2015.0000	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
408.2018.0000	REPAIR UNSTABLE PAVEMENT	SQUARE YARD	ALL REQ'D
410.2001.0000	PAVEMENT COLD PLANING	SQUARE YARD	~~33,015~~ 32,878
516.0001.0004	EXPANSION JOINT, PRECOMPRESSED SILICONE COATED	LINEAR FOOT	~~94~~ 88
530.2000.0000	GRAVITY BLOCK WALL	SQUARE FOOT	~~892~~ 1,462
603.0021.0012	CORRUGATED POLYETHYLENE PIPE 12 INCH	LINEAR FOOT	~~223~~ 255
603.0021.0018	CORRUGATED POLYETHYLENE PIPE 18 INCH	LINEAR FOOT	~~76~~ 77
603.0021.0024	CORRUGATED POLYETHYLENE PIPE 24 INCH	LINEAR FOOT	~~83~~ 84
603.2019.0018	LINER FOR STORM DRAIN 18 INCH, HDPE	LINEAR FOOT	75
603.2019.0024	LINER FOR STORM DRAIN 24 INCH, HDPE	LINEAR FOOT	~~244~~ 240
603.2019.0036	LINER FOR STORM DRAIN 36 INCH, HDPE	LINEAR FOOT	~~44~~ 45
603.2019.0084	LINER FOR STORM DRAIN 84 INCH, HDPE	LINEAR FOOT	~~137~~ 142
603.2027.0012	CURE IN PLACE PIPE 12"	LINEAR FOOT	~~509~~ 213
603.2027.0018	CURE IN PLACE PIPE 18"	LINEAR FOOT	~~1,400~~ 1,184
603.2027.0024	CURE IN PLACE PIPE 24"	LINEAR FOOT	~~1,204~~ 1,157
603.2027.0036	CURE IN PLACE PIPE 36"	LINEAR FOOT	~~58~~ 56

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
604.0001.0000	STORM SEWER MANHOLE	EACH	1
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	21
604.0005.000A	INLET, TYPE A	EACH	1
604.0009.0000	RECONSTRUCT MANHOLE TOP SECTION	EACH	1
604.0010.0000	RECONSTRUCT INLET	EACH	2
604.0012.0000	REPLACE INLET FRAME AND GRATE	EACH	9
604.0016.0000	ADJUST INLET FRAME AND GRATE	EACH	~~21~~ 20
606.0001.0000	W-BEAM GUARDRAIL	LINEAR FOOT	37.5
606.0006.0000	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	~~267~~ 264
606.0009.0000	SHORT RADIUS GUARDRAIL	EACH	1
608.0001.0004	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	~~830~~ 730
608.0001.0006	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	~~702~~ 721
608.0003.0000	ASPHALT SIDEWALK	SQUARE YARD	~~3,893~~ 3,494
608.0006.0000	CURB RAMP	EACH	25
609.0002.0001	CURB AND GUTTER, TYPE 1	LINEAR FOOT	~~6,631~~ 6,614
609.0003.0000	BACKING CURB	LINEAR FOOT	~~185~~ 40
609.2004.0000	VALLEY GUTTER	LINEAR FOOT	~~1,331~~ 1,415
611.0002.0001	RIPRAP, CLASS I	TON	~~326~~ 309
611.0002.0002	RIPRAP, CLASS II	TON	~~221~~ 220
613.0002.0000	CULVERT MARKER POST	EACH	60
615.0001.0000	STANDARD SIGN	SQUARE FOOT	157
615.0007.0000	SALVAGE AND DISPOSE SIGN	EACH	~~28~~ 27
625.0001.0000	PIPE HAND RAIL	LINEAR FOOT	~~616~~ 458
626.2013.0000	ADJUST SANITARY SEWER CLEANOUT	EACH	~~12~~ 11
627.0010.0000	ADJUSTMENT OF VALVE BOX	EACH	~~68~~
627.2011.0000	REMOVE AND REPLACE WATER VALVE BOX AND LID	EACH	~~18~~ 13
631.0002.0001	GEOTEXTILE, EROSION CONTROL, CLASS 1	SQUARE YARD	~~325~~ 663
635.0001.0000	INSULATION BOARD	MBM	~~1~~ .2
639.2000.0000	APPROACH	EACH	~~78~~ 68
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641.0003.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQ'D
641.0005.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQ'D
641.0007.0000	SWPPP MANAGER	LUMP SUM	ALL REQ'D
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
642.0003.0000	THREE PERSON SURVEY PARTY	HOUR	~~75~~ 68

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Dec 07, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

ESTIMATE OF QUANTITIES

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 1/18/2022 16:15 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
FILE \\JNU-FS\jnu-projects\22\70897-02\65CAD\Phase 1\Civil\SC-CT-C-70897.dwg | LAYOUT C1

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	12/27/2022	ADDENDUM 2	ALASKA	SFHWY00315/958032	2022	C2	C2

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
642.0004.0000	SET PRIMARY MONUMENT	EACH	~~16~~ 15
642.0007.0000	REPLACE EXISTING WITH SECONDARY MONUMENT	EACH	~~20~~ 10
642.0009.0000	REFERENCE EXISTING MONUMENT	EACH	~~20~~ 41
642.0010.0000	MONUMENT CASE	EACH	~~16~~ 15
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D
643.0014.0000	INTERIM PAVEMENT MARKING	STA	~~425~~ 343
643.0025.0000	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D
643.0032.0000	FLAGGING	CONTINGENT SUM	ALL REQ'D
643.2005.0000	PUBLIC INFORMATION PROGRAM	LUMP SUM	ALL REQ'D
643.2027.0000	PEDESTRIAN BARRIER	LINEAR FOOT	400
644.0001.0000	FIELD OFFICE	LUMP SUM	ALL REQ'D
644.0002.0000	FIELD LABORATORY	LUMP SUM	ALL REQ'D
644.2004.0000	ENGINEERING COMMUNICATIONS	CONTINGENT SUM	ALL REQ'D
644.2008.0000	WEB-BASED SUBMITTALS	LUMP SUM	ALL REQ'D
654.2010.0000	MONITOR, ARCHAEOLOGICAL	HOUR	~~100~~ 97
660.2008.0000	TRAFFIC LOOP REPLACEMENT	CONTINGENT SUM	ALL REQ'D
670.0001.0000	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQ'D
670.0008.0000	RECESSED PAVEMENT MARKER	EACH	~~94~~ 110
670.2001.0000	MMA PAVEMENT MARKINGS, SURFACE APPLIED	LUMP SUM	ALL REQ'D
670.2002.0000	MMA PAVEMENT MARKINGS, INLAID	LUMP SUM	ALL REQ'D

BASIS OF ESTIMATE

ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
203.0006.000B	BORROW, TYPE B	1.95 TON/CY
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	2.00 TON/CY
306.0001.0000	ATB	2.14 TON/CY
306.0002.6428	ASPHALT BINDER, GRADE PG 64-28 E	5.3% OF TOTAL WEIGHT OF 306.0001.0000
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	0.10 GAL/SY, 240 GAL/TON
408.2001.000B	HMA, SP; TYPE B	119 LB/SY-IN
408.2004.6428	ASPHALT BINDER, GRADE PG 64-28 E	5.3% OF TOTAL WEIGHT OF 408.2001.000B
611.0002.0001	RIPRAP, CLASS I	108 LB/CF, 1.46 TON/CY
611.0002.0002	RIPRAP, CLASS II	108 LB/CF, 1.46 TON/CY
670.2001.0000	MMA PAVEMENT MARKINGS, SURFACE APPLIED	SEE SHEET H1
670.2002.0000	MMA PAVEMENT MARKINGS, INLAID	SEE SHEET H1

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

Signature 12/16/25 Date

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Apr 07, 2023
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

ESTIMATE OF QUANTITIES

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE Q:\22\70897-02\65CAD\Phase II\Civil\SC-CT-QT-C-70897.dwg | DATE 4/3/2023 16:57 | LAYOUT C2 | DESIGNED STEPHENS | DRAFTED LAFAVOUR | CHECKED NOBLE

FIRM	DOWL
FILE	\\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SU-D-70897_06December2022.dwg
LAYOUT	D1
DESIGNED	STEPHENS
CHECKED	NOBLE
DRAFTED	LAFAVOUR
DATE	12/6/2022 14:52
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801
PHONE	(907) 780-3533
CERTIFICATE OF AUTH #:	AECL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	D1	D7

201.2001.0000 INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL

SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
P1	'D' 24+08	'D' 24+28	LT	11	REED CANARY GRASS
P4	'D' 54+24	'D' 54+47	RT	20	QUACKGRASS
P4	'D' 57+25	'D' 57+48	RT	15	QUACKGRASS
P4	'D' 57+47	'D' 58+19	RT	52	JAPANESE BOHEMIAN KNOTWEED
P5	'D' 65+45	'D' 65+55	RT	9	REED CANARY GRASS
P5	'D' 65+83	'D' 65+87	RT	1	REED CANARY GRASS
P5	'D' 66+01	'D' 66+24	RT	11	REED CANARY GRASS
P5	'D' 68+68	'D' 68+94	LT	11	REED CANARY GRASS
P5	'D' 74+65	'D' 75+01	LT	21	REED CANARY GRASS
P5	'D' 75+00	'D' 75+10	LT	6	REED CANARY GRASS
P5	'D' 75+03	'D' 75+09	LT	2	QUACKGRASS
P5	'D' 75+09	'D' 75+19	LT	4	REED CANARY GRASS
P5	'D' 75+29	'D' 75+36	LT	6	REED CANARY GRASS
P6	'D' 76+29	'D' 76+34	LT	1	REED CANARY GRASS
P6	'D' 83+19	'D' 83+52	LT	2	REED CANARY GRASS
P6	'D' 83+81	'D' 84+19	LT	10	REED CANARY GRASS
P7	'D' 90+56	'D' 90+64	RT	2	REED CANARY GRASS
P7	'D' 95+87	'D' 96+24	RT	15	REED CANARY GRASS
P7	'D' 98+73	'D' 98+85	LT	5	REED CANARY GRASS
P8	'D' 100+72	'D' 101+24	RT	13	REED CANARY GRASS
P8	'D' 102+22	'D' 102+32	LT	6	REED CANARY GRASS
P8	'D' 102+47	'D' 102+53	LT	4	REED CANARY GRASS
P8	'D' 102+75	'D' 103+01	LT	12	REED CANARY GRASS
			TOTAL:	~~239~~ 226	SY

202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

STATION	OFFSET	REMARKS
'D' 22+17	29.00' LT	REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL, F1
'D' 22+17	30.00' RT	REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL, F1
'D' 23+18	30.00' RT	REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL, F1
'D' 23+92	0.00'	REMOVE CENTERLINE MONUMENT CASE, A9
'D' 25+23	30.00' RT	REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL, F2
'D' 25+87	30.00' RT	REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL, F2
'D' 26+13	37..00' LT	REMOVE AND DISPOSE OF EXISTING CLEANOUT FOR UNDERDRAIN
'D' 28+35	30.00' RT	REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL, F2
'D' 28+38	0.00'	REMOVE CENTERLINE MONUMENT CASE, A9
'D' 29+22	30.00' RT	REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL, F2
'D' 32+89	1.42' LT	REMOVE CENTERLINE MONUMENT, A9
'D' 50+82	0.10' LT	REMOVE CENTERLINE MONUMENT, A8
'D' 53+32	0.00'	REMOVE CENTERLINE MONUMENT, A8
'D' 56+92	0.00'	REMOVE CENTERLINE MONUMENT, A8
'D' 63+74	0.00'	REMOVE CENTERLINE MONUMENT CASE, A8
'D' 68+95	0.65' LT	REMOVE CENTERLINE MONUMENT, A8
'D' 69+89	0.00'	REMOVE CENTERLINE MONUMENT, A8
'D' 71+80	32.31' RT	CUT EXISTING PILE DOWN 4" BELOW TOP OF BED COURSE, F11
'D' 71+86	21.59' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F11
'D' 74+51	0.00'	REMOVE CENTERLINE MONUMENT, A8
'D' 75+99	21.78' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F12
'D' 76+05	18.65' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F12
'D' 76+07	21.29' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F12
'D' 80+06	22.30' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F13
'D' 80+08	19.24' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F13
'D' 80+11	22.20' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F13
'D' 80+97	22.01' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F13
'D' 81+03	25.08' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F13
'D' 89+07	0.00'	REMOVE CENTERLINE MONUMENT, A7
'D'95+80	24.29' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F16
'D' 96+32	0.00'	REMOVE CENTERLINE MONUMENT, A7
'D' 100+93	20.90. RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F17
'D' 101+15	18.78' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F17
'D' 102+30	30.00' RT	REMOVE AND DISPOSE OF EXISTING TRENCH DRAIN, F17
'D' 104+54	0.02' LT	REMOVE CENTERLINE MONUMENT, A7
'D' 105+40	20.68' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F18
'D' 107+22	24.22' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F18
'D' 107+26	17.42' RT	REMOVE TOP SECTION OF ABANDONED VALVE BOX, F18

202.0002.0000 REMOVAL OF PAVEMENT

SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
F1-F2	'D' 22+17	'D' 29+25	CL	3,680	ROADWAY
F1	'D' 23+04	'D' 23+17	RT	4	DRIVEWAY
F2	'D' 25+08	'D' 25+17	LT	6	DRIVEWAY
F2	'D' 25+18	'D' 25+27	LT	6	DRIVEWAY
F2	'D' 28+90	'D' 29+10	RT	9	DRIVEWAY
F2	'D' 29+52	'D' 29+80	RT	8	DRIVEWAY
F3	'D' 30+12	'D' 30+34	RT	6	DRIVEWAY
F3	'D' 30+84	'D' 31+14	RT	9	DRIVEWAY
F3	'D' 31+91	'D' 32+22	RT	25	DRIVEWAY
F3	'D' 32+26	'D' 32+92	RT	37	SIDEWALK
F6	'D' 47+43	'D' 47+60	RT	8	ADA RAMP
F6	'D' 48+28	'D' 48+50	RT	11	ADA RAMP
F6	'D' 49+01	'D' 49+82	LT	117	DRIVEWAY
F6-F7	'D' 49+75	'D' 50+75	CL	301	ROADWAY
F7	'D' 50+02	'D' 50+49	RT	26	SIDEWALK
F7	'D' 51+09	'D' 51+91	RT	78	SIDEWALK
F7	'D' 51+58	'D' 51+84	LT	11	DRIVEWAY
F7	'D' 54+22	'D' 54+98	RT	125	DRIVEWAY
F8	'D' 57+25	'D' 58+76	RT	107	SIDEWALK
F8	'D' 57+71	'D' 58+14	LT	69	DRIVEWAY
F9	'D' 61+78	'D' 61+88	RT	5	SIDEWALK
F9	'D' 62+85	'D' 64+26	RT	50	SIDEWALK
F9	'D' 62+88	'D' 64+26	RT	206	DRIVEWAY
F10	'D' 67+80	'D' 67+96	LT	9	SIDEWALK
F10-F11	'D' 67+92	'D' 71+71	RT	222	SIDEWALK
F10	'D' 68+45	'D' 68+60	LT	8	SIDEWALK
F10	'D' 69+37	'D' 69+99	LT	56	DRIVEWAY
F11	'D' 72+27	'D' 72+83	RT	33	SIDEWALK
F11-F12	'D' 73+05	'D' 75+91	RT	169	SIDEWALK
F11	'D' 73+79	'D' 73+92	LT	3	MANHOLE BUMP-OUT
F11-F12	'D' 74+44	'D' 75+60	RT	156	DIG OUT
F12	'D' 75+26	'D' 75+62	LT	14	DRIVEWAY
F12	'D' 76+04	'D' 76+52	RT	40	DRIVEWAY
F12-F13	'D' 76+59	'D' 83+42	RT	464	PATHWAY & DRIVEWAYS
F12	'D' 76+74	'D' 77+04	LT	25	DRIVEWAY
F12	'D' 78+64	'D' 78+74	RT	4	ROADWAY
F12	'D' 79+44	'D' 79+54	RT	4	ROADWAY
F13	'D' 82+39	'D' 82+53	RT	4	ROADWAY
F13	'D' 82+73	'D' 83+19	LT	37	DRIVEWAY
F13	'D' 83+66	'D' 83+82	LT	10	DRIVEWAY
F13-F14	'D' 84+16	'D' 85+68	RT	86	SIDEWALK
F14	'D' 85+71	'D' 86+00	RT	17	SIDEWALK
F14-F17	'D' 86+70	'D' 103+24	RT	1,091	SIDEWALK & DRIVEWAYS
F15	'D' 93+42	'D' 93+80	LT	21	DRIVEWAY
F15	'D' 94+08	'D' 94+90	RT	34	ROADWAY
F15	'D' 94+71	'D' 94+92	LT	23	DRIVEWAY
F16	'D' 95+33	'D' 95+48	LT	10	DRIVEWAY
F16	'D' 96+16	'D' 96+47	LT	17	DRIVEWAY
F16	'D' 96+54	'D' 96+76	LT	14	DRIVEWAY
F16	'D' 98+41	'D' 98+66	LT	25	DRIVEWAY
F16	'D' 99+16	'D' 99+44	LT	20	DRIVEWAY
F17	'D' 100+07	'D' 100+37	LT	35	DRIVEWAY
F17	'D' 100+73	'D' 101+20	LT	41	DRIVEWAY
F17	'D' 101+29	'D' 101+54	LT	16	DRIVEWAY
F17	'D' 102+98	'D' 103+11	LT	12	ROADWAY
F17-F18	'D' 104+00	'D' 108+00	CL	1,868	ROADWAY
F18	'D' 105+12	'D' 108+00	RT	168	SIDEWALK & DRIVEWAYS
			TOTAL:	~~9,660~~ 11,513	SY

202.0003.0000 REMOVAL OF SIDEWALK

SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
F1	'D' 22+17	'D' 23+75	RT	116	CONCRETE SIDEWALK
F1	'D' 22+17	'D' 23+76	LT	130	CONCRETE SIDEWALK
F1-F2	'D' 24+08	'D' 26+25	LT	161	CONCRETE SIDEWALK
F1-F2	'D' 24+09	'D' 26+26	RT	162	CONCRETE SIDEWALK
F2-F3	'D' 26+55	'D' 31+91	RT	386	CONCRETE SIDEWALK
F2	'D' 26+58	'D' 28+58	LT	142	CONCRETE SIDEWALK
F3	'D' 32+22	'D' 32+26	RT	2	CONCRETE SIDEWALK RAMP
F3-F4	'D' 32+92	'D' 35+62	RT	142	CONCRETE SIDEWALK
F7	'D' 54+17	'D' 54+37	RT	9	CONCRETE SIDEWALK RAMP
F7-F8	'D' 54+84	'D' 55+04	RT	9	CONCRETE SIDEWALK RAMP
F11	'D' 71+71	'D' 71+78	RT	4	CONCRETE SIDEWALK RAMP
F11	'D' 72+18	'D' 72+27	RT	5	CONCRETE SIDEWALK RAMP
F11	'D' 72+81	'D' 73+05	RT	15	CONCRETE SIDEWALK
F12	'D' 75+90	'D' 76+09	RT	8	CONCRETE SIDEWALK RAMP
F12	'D' 76+51	'D' 76+59	RT	4	CONCRETE SIDEWALK RAMP
F13	'D' 83+42	'D' 83+69	RT	18	CONCRETE SIDEWALK
F13	'D' 84+12	'D' 84+16	RT	3	CONCRETE BUS STOP RAMP
F14	'D' 85+68	'D' 85+71	RT	2	CONCRETE SIDEWALK PATCH
F14	'D' 86+00	'D' 86+08	RT	2	CONCRETE BUS STOP RAMP
F14	'D' 86+47	'D' 86+70	RT	17	CONCRETE SIDEWALK
F17	'D' 102+31	'D' 102+47	LT	24	CONCRETE DRIVEWAY
F17-F18	'D' 103+24	'D' 105+12	RT	105	CONCRETE SIDEWALK
F17-F18	'D' 106+55	'D' 106+82	LT	17	CONCRETE DRIVEWAY
			TOTAL:	~~1,483~~ 1,242	SY

202.0004.0000 REMOVAL OF CULVERT PIPE

SHEET	PIPE ID	INLET		OUTLET		SIZE (IN)	LENGTH (LF)	REMARKS
		STATION	OFFSET	STATION	OFFSET			
F5	P65	'D' 43+18	23.8' LT	'D' 43+19	37.7' RT	24	5	PARTIAL REMOVAL, F5
F7	N/A	'D' 50+34	33.2' LT	'D' 50+20	39.6' RT	18	76	P7-1
F8	P79	'D' 55+81	19.4' LT	'D' 56+34	25.9' LT	18	11	PARTIAL REMOVAL, F8
F10	N/A	UNKNOWN	UNKNOWN	'D' 68+84	62.7' RT	24	12	
F13	P120	'D' 82+68	22.0' LT	'D' 83+28	21.5' LT	12	61	P13-2
F13	P121	'D' 83+49	20.6' LT	'D' 83+86	20.9' LT	12	37	P13-3
F15-F16	P143	'D' 94+61	21.3' LT	'D' 95+06	19.6' LT	12	46	P15-6
F16	P147	'D' 96+15	20.7' LT	'D' 96+93	19.1' LT	12	79	P16-1
F17	P157	'D' 103+01	28.6' LT	'D' 103+17	36.8' RT	24	16	PARTIAL REMOVAL, P17-4
						TOTAL:	~~343~~ 408	LF

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Dec 07, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

SUMMARY TABLES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	D2	D7

202.0009.0000 REMOVAL OF CURB AND GUTTER

SHEET	START STATION	START OFFSET	END STATION	END OFFSET	LENGTH (LF)	REMARKS
F1	'D' 22+17	22.0' RT	'D' 23+76	41.0' RT	178	
F1	'D' 22+17	22.0' LT	'D' 23+76	47.0' LT	183	
F1-F2	'D' 24+09	42.1' RT	'D' 26+27	40.1' RT	252	
F1-F2	'D' 24+08	46.3' LT	'D' 26+26	41.0' LT	260	
F2-F3	'D' 26+54	45.3' RT	'D' 31+91	31.4' RT	564	
F2	'D' 26+58	40.2' LT	'D' 28+64	21.6' LT	223	
F3-F4	'D' 32+21	32.5' RT	'D' 35+62	20.0' RT	344	
F6	'D' 47+43	20.6' RT	'D' 47+63	29.8' RT	24	
F6	'D' 48+20	31.9' RT	'D' 48+50	20.5' RT	33	
F7	'D' 50+02	20.5' RT	'D' 50+49	20.5' RT	47	
F7	'D' 51+09	20.5' RT	'D' 51+91	20.5' RT	82	
F7	'D' 53+02	20.3' RT	'D' 53+52	20.3' RT	50	
F7	'D' 54+17	20.5' RT	'D' 54+38	27.0' RT	23	
F7-F8	'D' 54+82	27.0' RT	'D' 55+04	20.6' RT	24	
F8	'D' 57+25	20.7' RT	'D' 58+75	20.8' RT	150	
F9	'D' 61+77	20.8' RT	'D' 61+88	21.0' RT	11	
F10	'D' 67+65	21.4' LT	'D' 67+96	35.3' LT	35	
F10-F11	'D' 67+39	19.6' RT	'D' 71+80	37.2' RT	453	
F10	'D' 68+45	38.4' LT	'D' 68+92	20.4' LT	52	
F11-F12	'D' 72+18	31.8' RT	'D' 76+10	31.9' RT	397	
F12-F13	'D' 76+51	31.9' RT	'D' 83+69	36.2' RT	724	
F13-F14	'D' 84+82	32.1' RT	'D' 85+08	33.8' RT	370	BUS PULLOUT ISLAND CURB
F14-F18	'D' 86+47	36.8' RT	'D' 108+00	25.5' RT	2152	
				TOTAL:	~~6,631~~ 6,936	LF

202.0010.0000 SINGLE MAIL BOX INSTALLATION

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F2	'D' 28+55	29.9' RT	1	
F2	'D' 28+61	29.7' RT	1	
F2	'D' 28+63	29.8' RT	1	
F17	'D' 103+05	267.60 Lt	1	
		TOTAL:	4	EA

NOT USED

202.0020.0000 REMOVAL OF SINGLE MAIL BOX

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F2	'D' 28+55	29.9' RT	1	
F2	'D' 28+61	29.7' RT	1	
F2	'D' 28+63	29.8' RT	1	
F17	'D' 103+05	22.3' LT	1	
		TOTAL:	4	EA

203.0003.0000 UNCLASSIFIED EXCAVATION

SHEET	START STATION	END STATION	VOLUME (CY)	REMARKS
F1-F2	'D' 22+17	'D' 25+00	354	ROADWAY
F2	'D' 25+00	'D' 29+25	346	ROADWAY
F6-F7	'D' 49+75	'D' 50+02	8	ROADWAY
F7	'D' 50+48	'D' 50+75	7	ROADWAY
F8	'D' 57+52	'D' 57+65	9	BUS SHELTER PAD
F10	'D' 67+55	'D' 67+68	9	BUS SHELTER PAD
F11-F12	'D' 74+45	'D' 75+60	155	ROADWAY
F16	'D' 98+41	'D' 98+50	4	WATER SERVICE TRENCH REPAIR
F17-F18	'D' 104+00	'D' 108+00	205	ROADWAY
		TOTAL:	~~1,097~~ 468	CY

203.0006.000B BORROW, TYPE B

SHEET	STATION	OFFSET	QUANTITY (TON)	REMARKS
F1-F18	'D' 21+75	LT	1,122	CULVERT OUTLET FILL - VARIOUS. SEE F SHEETS FOR LOCATIONS
F8	'D' 57+52	RT	12	BUS SHELTER PAD
F10	'D' 67+55	RT	12	BUS SHELTER PAD
		TOTAL:	~~1,146~~ 283	TONS

205.0005.0000 CONTROLLED LOW-STRENGTH MATERIAL

SHEET	CENTERLINE STATION	VOLUME (CY)	REMARKS
F10	'D' 68+89	15	24" DIAMETER PIPE
	TOTAL:	15	CY

NOT USED

301.0001.00D1 AGGREGATE BASE COURSE, GRADING D-1

SHEET	START STATION	END STATION	OFFSET	WEIGHT (TON)	REMARKS
F1	'D' 22+17	'D' 23+76	RT	5	CURB & GUTTER
F1	'D' 22+17	'D' 23+76	LT	5	CURB & GUTTER
F1-F2	'D' 22+17	'D' 25+00	LT/RT	542	ROADWAY
F1-F2	'D' 24+09	'D' 26+27	RT	7	CURB & GUTTER
F1-F2	'D' 24+08	'D' 26+26	LT	8	CURB & GUTTER
F2	'D' 25+00	'D' 29+25	LT/RT	530	ROADWAY
F2-F3	'D' 26+54	'D' 31+91	RT	16	CURB & GUTTER
F2	'D' 26+58	'D' 28+64	LT	7	CURB & GUTTER
F3-F4	'D' 32+21	'D' 35+62	RT	10	CURB & GUTTER
F6	'D' 47+43	'D' 47+63	RT	1	CURB & GUTTER
F6	'D' 48+20	'D' 48+50	RT	1	CURB & GUTTER
F6-F7	'D' 49+75	'D' 50+02	RT	18	ROADWAY
F7	'D' 50+02	'D' 50+49	LT	3	GUTTER
F7	'D' 50+02	'D' 50+49	RT	3	CURB & GUTTER
F7	'D' 50+02	'D' 50+49	RT	7	SIDEWALK
F7	'D' 50+02	'D' 50+48	LT/RT	55	P7-1 REPLACEMENT
F7	'D' 50+48	'D' 50+75	RT	16	ROADWAY
F7	'D' 51+09	'D' 51+91	RT	3	CURB & GUTTER
F7	'D' 53+02	'D' 53+52	RT	2	CURB & GUTTER
F7	'D' 54+17	'D' 54+38	RT	1	CURB & GUTTER
F7-F8	'D' 54+82	'D' 55+04	RT	1	CURB & GUTTER
F8	'D' 57+25	'D' 58+75	RT	5	CURB & GUTTER
F8	'D' 57+52	'D' 57+65	RT	5	BUS SHELTER PAD
F9	'D' 61+77	'D' 61+88	RT	1	CURB & GUTTER
F10	'D' 67+65	'D' 67+96	LT	1	CURB & GUTTER
F10	'D' 67+55	'D' 67+68	RT	5	BUS SHELTER PAD
F10-F11	'D' 67+39	'D' 71+80	RT	13	CURB & GUTTER
F10	'D' 68+45	'D' 68+92	LT	2	CURB & GUTTER
F11-F12	'D' 67+39	'D' 71+80	RT	11	CURB & GUTTER
F11-F12	'D' 74+45	'D' 75+60	RT	40	DIG-OUT SECTION
F12-F13	'D' 76+51	'D' 83+69	RT	20	CURB & GUTTER
F12	'D' 79+44	'D' 79+54	RT	3	UNDERDRAIN TIE-IN P12-5
F13	'D' 82+38	'D' 82+52	RT	5	UNDERDRAIN TIE-IN S-79
F13-F14	'D' 84+82	'D' 85+08	RT	11	CURB & GUTTER
F14-F15	'D' 86+47	'D' 108+00	RT	59	CURB & GUTTER
F15	'D' 94+08	'D' 94+90	RT	11	P15-5 INSTALLATION
F16	'D' 98+41	'D' 98+50	LT/RT	9	WATER SERVICE TRENCH REPAIR
F17	'D' 102+98	'D' 103+11	LT	5	DIG-OUT SECTION
F17-F18	'D' 104+00	'D' 108+00	LT/RT	435	ROADWAY
			TOTAL:	~~1,882~~ 2,409	TONS

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

Jim Bergan 12/16/25

Signature Date

303.2003.0000 DITCH RECONDITIONING

SHEET	START STATION	START OFFSET	END STATION	END OFFSET	LENGTH (LF)	REMARKS
F6-F7	'D' 49+75	28.3' LT	'D' 54+49	28.2' LT	155	
F7-F8	'D' 51+85	23.4' LT	'D' 57+72	28.3' LT	586	
F9-F10	'D' 61+76	25.6' LT	'D' 67+49	26.2' LT	570	
F11-F12	'D' 70+25	24.1' LT	'D' 75+31	24.4' LT	509	
F12	'D' 75+52	25.8' LT	'D' 76+70	21.5' LT	118	
F12	'D' 77+05	22.0' LT	'D' 77+67	20.7' LT	63	
F12-F13	'D' 78+10	23.5' LT	'D' 82+46	29.1' LT	435	
F13	'D' 83+28	21.4' LT	'D' 83+49	20.5' LT	21	
F13	'D' 83+86	20.8' LT	'D' 84+90	21.5' LT	105	
F14-F15	'D' 88+38	28.5' LT	'D' 90+80	43.2' LT	244	
F15	'D' 92+44	23.9' LT	'D' 93+39	21.5' LT	100	
F15	'D' 94+03	22.2' LT	'D' 94+61	21.3' LT	58	
F16	'D' 95+06	20.1' LT	'D' 95+32	19.9' LT	26	
F16	'D' 95+53	20.8' LT	'D' 96+15	20.7' LT	62	
F16	'D' 96+93	19.1' LT	'D' 98+39	20.4' LT	145	
F17	'D' 101+52	22.4' LT	'D' 102+29	22.7' LT	77	
F17	'D' 102+48	22.0' LT	'D' 103+01	28.6' LT	53	
F17-F18	'D' 104+95	23.3' LT	'D' 105+85	25.0' LT	92	
F18	'D' 107+48	20.0' LT	'D' 108+24	22.8' LT	77	
				TOTAL:	~~3,496~~ 3,309	LF

306.0001.0000 ATB

SHEET	START STATION	END STATION	OFFSET	WEIGHT (TON)	REMARKS
F1-F2	'D' 22+17	'D' 25+00	LT/RT	283	
F2	'D' 25+00	'D' 29+25	LT/RT	426	
F6-F7	'D' 49+75	'D' 50+02	RT	12	
F7	'D' 50+02	'D' 50+48	LT/RT	38	
F7	'D' 50+48	'D' 50+75	RT	11	
F11-F12	'D' 74+45	'D' 75+60	RT	28	
F12	'D' 79+44	'D' 79+54	RT	1	
F13	'D' 82+38	'D' 82+52	RT	2	
F15	'D' 94+08	'D' 94+90	RT	7	
F16	'D' 98+41	'D' 98+50	LT/RT	6	
F17	'D' 102+98	'D' 103+11	LT	3	
F17-F18	'D' 104+00	'D' 108+00	LT	367	
			TOTAL:	~~1,184~~ 1,738	TONS

306.0002.6428 ASPHALT BINDER, GRADE PG 64-28 E

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F18	'D' 22+17	'D' 108+00	63	
		TOTAL:	~~63~~ 78	TONS

402.0001.STE1 STE-1 ASPHALT FOR TACK COAT

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F18	'D' 22+17	'D' 108+00	17	
		TOTAL:	~~17~~ 18	TONS

408.2001.000B HMA, SP; TYPE B

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1	'D' 22+17	'D' 25+00	188	ROADWAY
F2	'D' 25+00	'D' 30+00	327	ROADWAY
F3	'D' 30+00	'D' 35+00	285	ROADWAY
F4	'D' 35+00	'D' 40+00	269	ROADWAY
F5	'D' 40+00	'D' 45+00	272	ROADWAY
F6	'D' 45+00	'D' 50+00	287	ROADWAY
F7	'D' 50+00	'D' 55+00	285	ROADWAY
F8	'D' 55+00	'D' 60+00	274	ROADWAY
F9	'D' 60+00	'D' 65+00	275	ROADWAY
F10	'D' 65+00	'D' 70+00	289	ROADWAY
F11	'D' 70+00	'D' 75+00	299	ROADWAY
F12	'D' 75+00	'D' 80+00	317	ROADWAY
F13	'D' 80+00	'D' 85+00	312	ROADWAY
F14	'D' 85+00	'D' 90+00	317	ROADWAY
F15	'D' 90+00	'D' 95+00	312	ROADWAY
F16	'D' 95+00	'D' 100+00	314	ROADWAY
F17	'D' 100+00	'D' 105+00	306	ROADWAY
F18	'D' 105+00	'D' 108+00	184	ROADWAY
		TOTAL:	~~5,112~~ 4,808	TONS

408.2004.6428 ASPHALT BINDER, GRADE PG 64-28 E

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F18	'D' 22+17	'D' 108+00	271	
		TOTAL:	~~271~~ 304	TONS

410.2001.0000 PAVEMENT COLD PLANING

SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
F2	'D' 29+25	'D' 30+00	CL	334	
F3	'D' 30+00	'D' 35+00	CL	2,173	
F4	'D' 35+00	'D' 40+00	CL	2,054	
F5	'D' 40+00	'D' 45+00	CL	2,071	
F6	'D' 45+00	'D' 50+00	CL	2,146	
F7	'D' 50+00	'D' 55+00	CL	1,921	
F8	'D' 55+00	'D' 60+00	CL	2,086	
F9	'D' 60+00	'D' 65+00	CL	2,093	
F10	'D' 65+00	'D' 70+00	CL	2,205	
F11	'D' 70+00	'D' 75+00	CL	2,209	
F12	'D' 75+00	'D' 80+00	CL	2,331	
F13	'D' 80+00	'D' 85+00	CL	2,378	
F14	'D' 85+00	'D' 90+00	CL	2,416	
F15	'D' 90+00	'D' 95+00	CL	2,346	
F16	'D' 95+00	'D' 100+00	CL	2,396	
F17	'D' 100+00	'D' 104+00	CL	1,856	
			TOTAL:	~~33,015~~ 32,878	SY

530.2000.0000 GRAVITY BLOCK WALL

SHEET	START STATION	END STATION	OFFSET	AREA (SF)	REMARKS
M1	'D' 78+68	'D' 79+16	RT	104	WALL 1
M1	'D' 79+47	'D' 81+50	RT	668	WALL 2
M1	'D' 81+79	'D' 82+15	RT	120	WALL 3
			TOTAL:	~~892~~ 1,462	SF

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

STATE OF ALASKA - 49TH - Ryan A. Stephens - Jul 14, 2022 - No. CE 14391 - REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

SUMMARY TABLES

F1RM DOWL
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 7/14/2022 10:24
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SU-D-70897.dwg
PHONE (907) 780-3533
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR
CERTIFICATE OF AUTH #: AECL848
LAYOUT D2

NO.	DATE	REVISION
⚠	01/03/2023	ADDENDUM 3

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	D3	D7

603.0021.0012 CORRUGATED POLYETHYLENE PIPE 12 INCH

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F13	P13-2	CMP	'D' 83+28	21.5' LT	64.2	'D' 82+68	22.0' LT	63.5	61	
F13	P13-3	CMP	'D' 83+86	20.9' LT	65.4	'D' 83+49	20.6' LT	64.8	37	
F16-F15	P15-6	CMP	'D' 95+06	19.6' LT	66.8	'D' 94+61	21.3' LT	67.3	46	
F16	P16-1	CMP	'D' 96+15	20.7' LT	67.1	'D' 96+93	19.1' LT	66.3	79	
								TOTAL:	~~223~~ 254	LF

603.0021.0018 CORRUGATED POLYETHYLENE PIPE 18 INCH

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F15	P15-5	N/A	'D' 94+87	25.2' RT	64.1	'D' 94+11	24.9' RT	63.7	76	
								TOTAL:	~~76~~ 77	LF

603.0021.0024 CORRUGATED POLYETHYLENE PIPE 24 INCH

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F7	P7-1	CMP	'D' 50+34	33.3' LT	92.3	'D' 50+20	38.8' RT	88.4	74	
F17	P17-4	CMP	D' 103+01	27.7' LT	53.7	'D' 103+03	19.1' LT	52.9	9	
								TOTAL:	~~83~~ 84	LF

603.2019.0018 LINER FOR STORM DRAIN 18 INCH, HDPE

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F7	P7-2	CMP	'D' 54+13	19.1' RT	89.6	'D' 54+32	36.4' RT	89.2	26	
F8	P8-2	CMP	'D' 57+72	28.3' LT	75.0	'D' 58+20	34.2' LT	71.5	49	
								TOTAL:	75	LF

603.2019.0024 LINER FOR STORM DRAIN 24 INCH, HDPE

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F10	P10-2	CMP	'D' 68+39	57.8' LT	59.7	'D' 68+71	62.5' LT	57.0	33	
F11	P11-3	CMP	'D' 73+40	20.2' LT	53.2	'D' 73+43	40.3' RT	43.3	62	
F11-F12	P11-4	CMP	'D' 75+00	25.8' RT	49.8	'D' 75+00	37.2' RT	49.3	12	
F14	P14-2	CMP	'D' 88+64	21.1' LT	64.0	'D' 88+72	47.5' RT	59.0	70	
F15	P15-2	CMP	'D' 92+42	23.1' LT	65.7	'D' 92+37	42.8' RT	62.1	67	
								TOTAL:	~~244~~ 240	LF

603.2019.0036 LINER FOR STORM DRAIN 36 INCH, HDPE

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F16	P16-3	CMP	'D' 99+97	25.2' RT	50.7	'D' 99+98	45.0' RT	45.5	21	
F17	P17-1	CMP	D' 100+16	49.7' LT	57.7	'D' 100+19	27.5' LT	54.0	23	
								TOTAL:	~~44~~ 45	LF

603.2019.0084 LINER FOR STORM DRAIN 84 INCH, HDPE

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F1	P1-1	CMP	'D' 22+40	39.8' LT	56.1	'D' 21+45	58.6' RT	55.1	137	
								TOTAL:	~~137~~ 142	LF

603.2027.0012 CURE IN PLACE PIPE 12"

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F1	P1-3	CPP	'D' 23+77	42.2' LT	81.5	'D' 23+92	13.8' LT	82.8	33	
F1	P1-4	CMP	'D' 24+18	20.9' LT	84.9	'D' 23+92	13.8' LT	81.6	28	
F1	P1-5	CMP	'D' 24+18	20.8' RT	85.2	'D' 23+93	13.1' LT	81.5	43	
F2	P2-2	CMP	'D' 26+27	43.2' LT	95.6	'D' 26+47	14.9' LT	94.7	35	
F2	P2-3	CMP	'D' 26+56	43.5' LT	96.2	'D' 26+47	14.9' LT	92.8	31	
F2	P2-4	CMP	'D' 26+68	20.9' LT	96.5	'D' 26+47	14.9' LT	94.6	22	
F2	P2-5	CMP	'D' 26+71	20.9' RT	96.6	'D' 26+47	14.9' LT	93.2	44	
F2	P2-6	CPEP	'D' 28+63	20.9' RT	102.2	'D' 28+48	12.3' LT	99.5	40	
F4	P4-3	CMP	'D' 36+95	57.2' LT	108.8	'D' 37+10	30.7' LT	100.9	32	
F4	P4-4	CMP	'D' 37+04	19.9' LT	102.4	'D' 37+10	30.7' LT	100.5	13	
F4	P4-5	CMP	'D' 37+10	30.7' LT	100.4	'D' 38+97	30.1' LT	98.1	188	
								TOTAL:	~~509~~ 213	LF

P4-5 Required Major restoration. See CO

603.2027.0018 CURE IN PLACE PIPE 18"

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F1	P1-2	CPP	'D' 23+92	13.8' LT	81.3	'D' 21+72	20.8' LT	74.6	221	
F2-F1	P2-1	CPP	'D' 26+47	14.9' LT	92.8	'D' 23+93	13.8' LT	81.8	256	
F2	P2-7	CMP	'D' 28+75	44.5' LT	103.1	'D' 28+84	12.3' LT	99.5	34	
F2	P2-8	CPP	'D' 29+21	20.5' LT	102.2	'D' 28+84	12.3' LT	100.5	39	
F6	P6-2	CMP	'D' 46+99	19.6' LT	91.4	'D' 45+66	19.5' LT	90.9	133	
F6	P6-3	CMP	'D' 48+61	19.1' RT	90.3	'D' 48+61	40.9' RT	86.6	23	
F8	P8-1	CMP	'D' 56+23	24.6' LT	82.4	'D' 55+81	19.7' LT	81.7	44	
F8	P8-3	CMP	'D' 58+61	19.3' LT	72.9	'D' 58+59	19.2' RT	72.2	39	
F10	P10-3	CMP	'D' 69+51	20.0' LT	56.0	'D' 69+33	37.8' LT	52.5	26	
F11	P11-2	CMP	'D' 72+99	25.0' RT	53.8	'D' 71+69	26.0' RT	51.2	129	DO REPAIRS AFTER DOUGLAS HWY SLOPE STABILIZATION PROJECT IS COMPLETE
F13-F12	P12-5	CMP	'D' 80+32	24.9' RT	54.6	'D' 78+34	25.1' RT	52.2	198	
F13	P13-1	CMP	'D' 80+50	23.4' LT	55.2	'D' 80+32	24.9' RT	54.6	52	
F13	P13-4	CMP	'D' 82+52	24.6' RT	62.0	'D' 83+45	24.9' RT	59.5	94	
F15	P15-4	CMP	'D' 94+11	24.9' RT	63.7	'D' 93+80	25.0' RT	62.7	32	
F17	P17-3	CMP	'D' 101+46	18.6' LT	53.1	'D' 101+56	58.6' RT	36.3	80	
								TOTAL:	~~1,400~~ 1,184	LF

603.2027.0024 CURE IN PLACE PIPE 24"

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F4	P4-1	CMP	'D' 35+23	37.4' LT	98.9	'D' 35+23	27.8' LT	97.2	10	
F4	P4-2	CMP	'D' 35+23	27.8' LT	97.1	'D' 35+26	51.3' RT	94.2	80	
F4	P4-6	CMP	'D' 38+97	30.1' LT	101.9	'D' 38+83	18.9' RT	97.3	52	
F5	P5-1	CMP	'D' 40+98	18.8' LT	94.2	'D' 40+97	32.5' RT	94.0	52	
F5	P5-2	CMP	'D' 43+18	24.8' LT	92.1	'D' 43+19	37.7' RT	90.4	63	
F6	P6-1	CMP	'D' 45+66	19.5' LT	91.0	'D' 45+58	18.9' RT	90.9	40	
F10	P10-1	CMP	'D' 65+91	20.2' LT	66.2	'D' 65+97	32.5' RT	65.3	54	
F11	P11-1	CMP	'D' 71+97	21.8' LT	52.3	'D' 71+68	25.3' RT	51.5	56	
F11	P11-5	CMP	'D' 74+96	21.2' LT	52.6	'D' 74+99	24.9' RT	52.4	47	
F12	P12-1	CMP	'D' 76+37	20.7' LT	53.8	'D' 76+60	24.9' RT	53.4	51	
F12	P12-2	CMP	'D' 76+60	24.9' RT	52.5	'D' 76+62	107.3' RT	32.5	85	
F12	P12-3	CMP	'D' 78+34	25.0' RT	56.2	'D' 76+61	25.6' RT	52.6	173	
F12	P12-4	CMP	'D' 78+38	21.0' LT	53.7	'D' 78+34	24.3' RT	52.0	46	
F14	P14-1	CMP	'D' 86+87	20.6' LT	61.0	'D' 86+79	45.2' RT	58.7	67	
F15	P15-1	CMP	'D' 90+79	44.2' LT	56.2	'D' 90+74	53.2' RT	48.7	98	
F15	P15-3	CMP	'D' 94+14	22.4' LT	62.2	'D' 93+80	25.0' RT	60.0	58	
F16	P16-2	CMP	'D' 98+98	22.4' LT	60.8	'D' 99+97	25.2' RT	52.7	114	
F17	P17-5	CMP	'D' 103+03	19.1' LT	52.6	'D' 103+17	36.8' RT	45.5	58	
								TOTAL:	~~1,204~~ 1,157	LF

603.2027.0036 CURE IN PLACE PIPE 36"

SHEET	PIPE ID	EXISTING PIPE MATERIAL	INLET			OUTLET			LENGTH (LF)	REMARKS
			STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F17-F16	P17-2	CMP	'D' 100+19	27.5' LT	53.9	'D' 99+97	25.2' RT	51.8	58	
								TOTAL:	~~58~~ 56	LF

604.0001.0000 STORM SEWER MANHOLE

SHEET	STATION	OFFSET	STRUCTURE ID	QUANTITY (EA)	RIM EL.	SIZE/FRAME & GRATE/SUMP
F17	'D' 103+03	19.1' LT	S-97	1	58.21	48' DIAMETER/VALLEY/16"
			TOTAL:	1	EA	

604.0004.0000 ADJUST EXISTING MANHOLE

SHEET	STATION	OFFSET	STRUCTURE ID	QUANTITY (EA)	REMARKS
F1	'D' 23+81	5.8' RT	EXISTING	1	SSMH
F1	'D' 23+92	13.8' LT	S-27	1	SDMH
F2	'D' 26+44	0.2' LT	EXISTING	1	SSMH
F2	'D' 26+47	14.9' LT	S-32	1	SDMH
F2	'D' 28+72	1.2' LT	EXISTING	1	SSMH
F2	'D' 28+84	12.3' LT	S-38	1	SDMH
F11	'D' 73+85	19.0' LT	EXISTING	1	SSMH
F12	'D' 75+37	18.2' LT	EXISTING	1	SSMH
F12	'D' 77+90	17.5' LT	EXISTING	1	SSMH
F14	'D' 86+08	9.9' LT	EXISTING	1	SSMH
F14	'D' 88+10	11.7' LT	EXISTING	1	SSMH
F14	'D' 89+19	11.1' LT	EXISTING	1	SSMH
F15	'D' 92+25	15.1' LT	EXISTING	1	SSMH
F16	'D' 95+76	15.0' LT	EXISTING	1	SSMH
F16	'D' 96+77	15.0' LT	EXISTING	1	SSMH
F16	'D' 99+22	14.9' LT	EXISTING	1	SSMH
F17	'D' 100+83	13.4' LT	EXISTING	1	SSMH
F17	'D' 102+23	13.7' LT	EXISTING	1	SSMH
F18	'D' 105+17	14.0' LT	EXISTING	1	SSMH
F18	'D' 106+42	21.7' LT	S-101	1	SDMH
F18	'D' 106+93	19.1' LT	S-103	1	SDMH
				TOTAL: 21	EA

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

Signature 12/16/25 Date

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

STATE OF ALASKA 49 TH — Ryan A. Stephens Apr 03, 2023 No. CE 14391 — REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

SUMMARY TABLES

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 4/3/2023 14:43 | DESIGNED STEPHENS | DRAFTED LAFAVOUR
LAYOUT D3 | CHECKED NOBLE
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	D4	D7

604.0005.000A INLET, TYPE A

SHEET	STATION	OFFSET	STRUCTURE ID	RIM EL.	QUANTITY (EA)	FRAME & GRATE/SUMP
F15	'D' 94+87	25.2' RT	S-91	67.78	1	CURB/16"
				TOTAL:	1	EA

604.0009.0000 RECONSTRUCT MANHOLE TOP SECTION

SHEET	STATION	OFFSET	STRUCTURE ID	QUANTITY (EA)	REMARKS
F17	'D' 101+46	18.6' LT	S-96	1	REMOVE BARREL RISER, INSTALL GRADE RINGS, REUSE REDUCING SLAB
			TOTAL:	1	EA

604.0010.0000 RECONSTRUCT INLET

SHEET	STATION	OFFSET	STRUCTURE ID	QUANTITY (EA)	REMARKS/FRAME & GRATE
F13	'D' 82+52	24.5' RT	S-79	1	
F15	'D' 94+11	24.9' RT	S-89	1	
			TOTAL:	2	EA

604.0012.0000 REPLACE INLET FRAME AND GRATE

SHEET	STATION	OFFSET	STRUCTURE ID	QUANTITY (EA)	REMARKS/FRAME & GRATE
F1	'D' 23+77	43.7' LT	S-26	1	STANDARD CURB INLET
F1	'D' 24+07	43.7' LT	S-28	1	STANDARD CURB INLET
F1	'D' 24+18	20.8' RT	S-29	1	HIGH CAPACITY GUTTER INLET
F1	'D' 24+18	20.9' LT	S-30	1	HIGH CAPACITY GUTTER INLET
F2	'D' 28+68	20.9' LT	S-34	1	HIGH CAPACITY GUTTER INLET
F2	'D' 26+71	20.9' RT	S-35	1	STANDARD CURB INLET
F2	'D' 28+63	20.9' RT	S-36	1	STANDARD CURB INLET
F12	'D' 76+60	24.9' RT	S-74	1	HIGH CAPACITY GUTTER INLET
F17	'D' 101+46	18.6' LT	S-96	1	HIGH CAPACITY GUTTER INLET
			TOTAL:	9	EA

604.0016.0000 ADJUST INLET FRAME AND GRATE

SHEET	STATION	OFFSET	STRUCTURE ID	QUANTITY (EA)	REMARKS
F1	'D' 23+77	43.7' LT	S-26	1	TYPE A
F1	'D' 24+07	43.7' LT	S-28	1	TYPE A
F1	'D' 24+18	20.8' RT	S-29	1	TYPE A
F1	'D' 24+18	20.9' LT	S-30	1	TYPE A
F2	'D' 28+68	20.9' LT	S-34	1	TYPE A
F2	'D' 26+71	20.9' RT	S-35	1	TYPE A
F2	'D' 28+63	20.9' RT	S-36	1	TYPE A
F8	'D' 58+59	19.2' RT	S-59	1	TYPE A
~~F9~~	~~'D' 62+91~~	~~19.2' RT~~	~~S-60~~	~~1~~	~~TYPE A~~
F10	'D' 67+66	20.4' LT	S-62	1	TYPE A
F10	'D' 69+51	19.9' LT	S-66	1	TYPE A
F11	'D' 71+68	25.3' RT	S-67	1	TYPE A
F11	'D' 74+99	24.9' RT	S-72	1	TYPE A
F12	'D' 76+60	24.9' RT	S-74	1	TYPE A
F12	'D' 78+34	24.9' RT	S-75	1	TYPE A
F13	'D' 80+32	24.8' RT	S-77	1	TYPE A
F13	'D' 83+45	24.9' RT	S-80	1	TYPE A
F15	'D' 93+80	24.9' RT	S-88	1	TYPE A
F16	'D' 99+97	25.2' RT	S-94	1	TYPE A
F18	'D' 105+14	24.9' RT	S-100	1	TYPE A
F18	'D' 106+60	24.7' RT	S-102	1	TYPE A
			TOTAL:	~~21~~ 20	EA

606.0001.0000 W-BEAM GUARDRAIL

SHEET	START		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F10	'D' 68+87	21.4' LT	'D' 69+25	21.0' LT	37.5	
				TOTAL:	37.5	LF

606.0006.0000 REMOVING AND DISPOSING OF GUARDRAIL

SHEET	START		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F10	'D' 65+40	27.1' RT	'D' 66+10	27.0' RT	70	
F10	'D' 66+50	26.8' RT	'D' 67+39	26.3' RT	89	
F10	'D' 68+53	41.4' LT	'D' 69+46	28.5' LT	108	
				TOTAL:	~~267~~ 264	LF

606.0009.0000 SHORT RADIUS GUARDRAIL

SHEET	START		END		QUANTITY (EA)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F10	'D' 69+25	21.0' LT	'D' 69+53	45.3' LT	1	10' RADIUS
				TOTAL:	1	EA

608.0001.0004 CONCRETE SIDEWALK, 4 INCHES THICK

SHEET	START		END		AREA (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	'D' 22+17	22.0' LT	'D' 23+64	22.0' LT	99	
F1	'D' 22+17	22.0' RT	'D' 23+00	22.0' RT	66	
F1	'D' 23+29	22.0' RT	'D' 23+66	22.0' RT	29	
F1	'D' 24+06	33.5' LT	'D' 24+15	33.5' LT	6	
F1	'D' 24+29	22.0' RT	'D' 25+00	22.0' RT	57	
F1-F2	'D' 24+28	22.0' LT	'D' 25+04	22.0' LT	52	
F2	'D' 25+23	22.0' RT	'D' 26+14	22.0' RT	73	
F2	'D' 25+36	22.0' LT	'D' 26+15	22.0' LT	53	
F2	'D' 26+69	22.0' RT	'D' 27+45	22.0' RT	59	
F2	'D' 26+76	22.0' LT	'D' 28+01	22.0' LT	84	
F2	'D' 27+67	22.0' RT	'D' 27+68	22.0' RT	1	
F2	'D' 28+21	22.0' LT	'D' 28+27	22.0' LT	5	
F2	'D' 28+38	22.0' RT	'D' 28+87	22.0' RT	39	
F2	'D' 28+47	22.0' LT	'D' 28+58	22.0' LT	7	
F2	'D' 29+24	22.0' RT	'D' 29+50	22.0' RT	22	
F2-F3	'D' 29+82	22.0' RT	'D' 30+10	22.0' RT	24	
F3	'D' 30+36	22.0' RT	'D' 30+68	22.0' RT	27	
F3	'D' 30+73	22.0' RT	'D' 31+81	24.6' RT	91	
F6	'D' 47+43	20.6'RT	'D' 47+49	20.6' RT	4	
F6	'D' 48+41	20.5' RT	'D' 48+50	20.5' RT	6	
F7	'D' 54+17	20.5' RT	'D' 54+22	20.5' RT	3	
F7-F8	'D' 54+99	20.6' RT	'D' 55+04	20.6' RT	3	
F13	'D' 83+67	35.7' RT	'D' 83+69	36.7' RT	2	
F14	'D' 86+47	37.3' RT	'D' 86+50	35.7' RT	3	
F17	'D' 103+64	26.0' RT	'D' 103+71	26.0' RT	4	
F17	'D' 103+96	26.0' RT	'D' 104+00	26.0' RT	3	
F17	'D' 104+59	26.0' RT	'D' 104+72	26.0' RT	8	
				TOTAL:	~~830~~ 730	SY

608.0001.0006 CONCRETE SIDEWALK, 6 INCHES THICK

SHEET	START		END		AREA (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	'D' 23+00	22.0' RT	'D' 23+29	22.0' RT	23	DRIVEWAY
F1	'D' 23+64	22.0' LT	'D' 23+77	28.0' LT	7	ADA CURB RAMP
F1	'D' 23+66	22.0' RT	'D' 23+78	33.0' RT	9	ADA CURB RAMP
F1	'D' 24+06	33.5' LT	'D' 24+28	22.0' LT	18	ADA CURB RAMP
F1	'D' 24+07	29.2' RT	'D' 24+29	22.0' RT	16	ADA CURB RAMP
F1	'D' 24+85	28.0' LT	'D' 24+94	28.0' LT	8	DRIVEWAY
F1-F2	'D' 25+00	22.0' RT	'D' 25+23	22.0' RT	19	DRIVEWAY
F2	'D' 25+04	22.0' LT	'D' 25+36	22.0' LT	22	DRIVEWAY
F2	'D' 26+14	22.0' RT	'D' 26+26	22.0' RT	8	ADA CURB RAMP
F2	'D' 26+15	22.0' LT	'D' 26+27	28.0' LT	7	ADA CURB RAMP
F2	'D' 26+54	29.3' RT	'D' 26+69	22.0' RT	10	ADA CURB RAMP
F2	'D' 26+56	32.9' LT	'D' 26+76	22.0' LT	14	ADA CURB RAMP
F2	'D' 27+45	22.0' RT	'D' 27+67	22.0' RT	17	DRIVEWAY
F2	'D' 27+68	22.0' RT	'D' 28+38	22..0' RT	55	DRIVEWAY
F2	'D' 28+01	22.0' LT	'D' 28+21	22.0' LT	14	DRIVEWAY
F2	'D' 28+27	22.0' LT	'D' 28+47	22.0' LT	14	DRIVEWAY
F2	'D' 28+87	22.0' RT	'D' 29+24	22.0' RT	30	ADA CURB RAMP
F2	'D' 29+50	22.0' RT	'D' 29+82	22.0' RT	27	DRIVEWAY
F3	'D' 30+10	22.0' RT	'D' 30+36	22.0' RT	22	DRIVEWAY
F3	'D' 30+68	22.0' RT	'D' 30+73	22.0' RT	5	BUS STOP
F3	'D' 31+81	24.6' RT	'D' 31+91	31.3' RT	7	ADA CURB RAMP
F3	'D' 32+22	32.6' RT	'D' 32+34	27..1' RT	7	ADA CURB RAMP
F6	'D' 47+49	20.6' RT	'D' 47+63	29.8' RT	7	ADA CURB RAMP
F6	'D' 48+28	25.5' RT	'D' 48+41	20.5' RT	6	ADA CURB RAMP
F7	'D' 51+31	20.5' RT	'D' 51+63	20.5' RT	31	DRIVEWAY
F7	'D' 54+22	20.5' RT	'D' 54+37	25.5' RT	6	ADA CURB RAMP
F7-F8	'D' 54+84	25.5' RT	'D' 54+99	20.6' RT	6	ADA CURB RAMP
F8	'D' 57+52	20.6' RT	'D' 57+65	20.6' RT	16	BUS STOP
F10	'D' 67+55	19..6' RT	'D' 67+68	19.6' RT	16	BUS STOP
F10	'D' 67+81	25.0' LT	'D' 67+96	35.3' LT	8	ADA CURB RAMP
F10	'D' 68+42	47.5' LT	'D' 68+59	26.5' LT	12	ADA CURB RAMP
F11	'D' 71+69	26.7' RT	'D' 71+82	31.7' RT	6	ADA CURB RAMP
F11	'D' 72+18	31.1' RT	'D' 72+30	26.0' RT	6	ADA CURB RAMP
F12	'D' 75+95	26.4' RT	'D' 76+09	31.4' RT	7	ADA CURB RAMP
F12	'D' 76+52	31.4' RT	'D' 76+68	26.4' RT	8	ADA CURB RAMP
F13	'D' 83+14	31.0' RT	'D' 83+38	31.0' RT	9	DRIVEWAY
F13	'D' 83+53	27.6' RT	'D' 83+67	35.7' RT	11	ADA CURB RAMP
F13	'D' 84+12	26.0' RT	'D 84+21	26.0' RT	6	ADA CURB RAMP
F14	'D' 85+95	26.0' RT	'D' 86+02	26.0' RT	5	ADA CURB RAMP
F14	'D' 86+50	35.7' RT	'D' 86+64	27.6' RT	11	ADA CURB RAMP
F16	'D' 96+22	31.0' RT	'D' 96+29	31.0' RT	1	DRIVEWAY
F16	'D' 96+47	26.0' RT	'D' 96+52	26.0' RT	5	BUS STOP
F17	'D' 101+61	31.0' RT	'D' 102+12	31.0' RT	18	DRIVEWAY
F17	'D' 102+22	26.0'RT	'D' 102+54	26.0'RT	20	DRIVEWAY
F17	'D' 103+25	26.0'RT	'D'103+64	26.0'RT	22	DRIVEWAY
F17	'D' 103+71	26.0'RT	'D' 103+96	26.0'RT	14	DRIVEWAY
F17	'D' 103+71	31.0' RT	'D' 104+56	31.0' RT	11	DRIVEWAY
F17	'D' 104+00	26.0'RT	'D' 104+59	26.0'RT	33	DRIVEWAY
F17-F18	'D' 104+72	26.0'RT	'D' 105+12	26.0'RT	22	DRIVEWAY
F18	'D' 106+36	20.0' LT	'D' 106+83	20.0' LT	20	DRIVEWAY
				TOTAL:	~~702~~ 721	SY

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

STATE OF ALASKA - 49 TH - Ryan A. Stephens - Jul 14, 2022 - No. CE 14391 - REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II

SUMMARY TABLES

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 7/14/2022 10:24 | LAYOUT D4 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	D5	D7

608.0003.0000 ASPHALT SIDEWALK

SHEET	START		END		AREA (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	'D' 23+04	29.0' RT	'D' 23+17	29.0' RT	4	DRIVEWAY
F2	'D' 25+08	28.0' LT	'D' 28+17	28.0' LT	6	DRIVEWAY
F2	'D' 25+18	28.0' LT	'D' 25+27	28.0' LT	7	DRIVEWAY
F2	'D' 28+06	28.0' LT	'D' 28+15	28.0' LT	9	DRIVEWAY
F2	'D' 28+90	29.3' RT	'D' 29+10	29.3' RT	9	DRIVEWAY
F2	'D' 29+52	29.4' RT	'D' 29+80	29.5' RT	8	DRIVEWAY
F3	'D' 30+12	29.5' RT	'D' 30+34	29.6' RT	6	DRIVEWAY
F3	'D' 30+84	29.7' RT	'D' 31+14	29.7' RT	9	DRIVEWAY
F3	'D' 31+91	31.3' RT	D' 32+22	27.7' RT	25	DRIVEWAY
F3-F5	'D' 32+34	27.1' RT	'D' 40+04	20.5' RT	427	SIDEWALK
F7	'D' 50+02	20.5' RT	'D' 50+49	20.5' RT	26	SIDEWALK
F7	'D' 51+09	20.5' RT	'D' 51+31	20.5' RT	22	SIDEWALK
F7	'D' 51+58	20.4' LT	'D' 51+84	25.3' LT	11	DRIVEWAY
F7	'D' 51+63	20.5' RT	'D' 51+91	20.5' RT	26	SIDEWALK
F8	'D' 57+25	20.7' RT	'D' 57+52	20.6' RT	15	SIDEWALK
F8	'D' 57+65	20.5' RT	'D' 58+76	20.9' RT	62	DRIVEWAY
F9	'D' 61+78	20.8' RT	'D' 61+88	21.0RT	5	SIDEWALK
F9	'D' 62+85	20.8' RT	'D' 64+26	20.4' RT	95	SIDEWALK
F9	'D' 62+85	26.8' RT	'D' 64+26	26.4' RT	162	DRIVEWAY
F10	'D' 67+39	19.6' RT	'D' 67+55	19.5' RT	9	SIDEWALK
F10-F11	'D' 67+68	19.6' RT	'D' 71+82	31.7' RT	229	SIDEWALK
F10	'D' 69+38	20.9' LT	'D' 69+98	20.1' LT	51	DRIVEWAY
F11	'D' 71+81	26.7' RT	'D' 72+19	26.1' RT	30	DRIVEWAY
F11-F12	'D' 72+30	26.0' RT	'D' 75+95	26.4' RT	201	SIDEWALK
F12	'D' 75+27	17.9' LT	'D' 75+62	18.0' LT	14	DRIVEWAY
F12-F13	'D' 76+68	26.4' RT	'D' 83+53	27.6' RT	514	SIDEWALK
F12	'D' 76+74	18.0' LT	'D' 77+02	18.0' LT	25	DRIVEWAY
F13	'D' 82+73	18.0' LT	'D' 83+19	18.0' LT	79	DRIVEWAY
F13	'D' 83+54	26.0' RT	'D' 84+85	36.4' RT	79	DRIVEWAY
F13	'D' 83+66	18.0' LT	'D' 83+83	18.0' LT	9	DRIVEWAY
F13-F14	'D' 84+21	26.0' RT	'D' 85+95	26.0' RT	108	SIDEWALK
F14	'D' 85+06	38.3' RT	'D' 86+62	26.0' RT	90	DRIVEWAY
F14-F16	'D' 86+64	27.6' RT	'D' 96+47	26.0' RT	546	SIDEWALK
F14	'D' 87+65	31.0' RT	'D' 87+93	31.0' RT	11	DRIVEWAY
F15	'D' 92+85	31.0' RT	'D' 93+34	31.0' RT	22	DRIVEWAY
F15	'D' 93+43	18.0' LT	'D' 93+81	18.0' LT	20	DRIVEWAY
F15-F16	'D'93+97	31.0' RT	'D' 95+48	31.0' RT	55	DRIVEWAY
F15	'D' 94+69	18.0' LT	'D' 94+94	18.0' LT	24	DRIVEWAY
F16	'D' 95+33	18.0' LT	'D' 95+47	18.0' LT	8	DRIVEWAY
F16	'D' 95+67	31.0' RT	'D' 95+91	31.0' RT	14	DRIVEWAY
F16	'D' 96+14	18.0' LT	'D' 96+47	18.0' LT	15	DRIVEWAY
F16	'D' 96+52	18.0' LT	'D' 96+79	18.0' LT	12	DRIVEWAY
F16-F17	'D' 96+52	26.0' RT	'D' 102+22	26.0' RT	317	SIDEWALK
F16	'D' 96+94	31.0' RT	'D' 97+41	32.6' RT	19	DRIVEWAY
F16	'D' 97+72	35.6' RT	'D' 98+15	31.1' RT	21	DRIVEWAY
F16	'D' 98+40	18.0' LT	'D' 98+65	18.0' LT	24	DRIVEWAY
F16	'D' 99+18	20.0' LT	'D' 99+46	20.0' LT	15	DRIVEWAY
F16	'D' 99+38	31.0' RT	'D' 99+67	31.0' RT	15	DRIVEWAY
F17	'D' 100+07	30.0' LT	'D' 100+35	20.0' LT	27	DRIVEWAY
F17	"D' 100+48	31.0' RT	'D' 100+95	31.0' RT	24	DRIVEWAY
F17	'D' 100+76	20.0' LT	'D' 101+18	20.0' LT	29	DRIVEWAY
F17	'D' 101+30	20.0' LT	'D' 101+53	20.0' LT	10	DRIVEWAY
F17	'D' 102+20	20.0' LT	'D' 102+50	20.0' LT	4	DRIVEWAY
F17	'D' 102+54	26.0' RT	'D' 103+25	26.0' RT	41	SIDEWALK
F17	'D' 103+02	20.0' LT	'D' 103+42	20.0' LT	25	DRIVEWAY
F17	'D' 103+99	20.0' LT	'D' 104+87	20.0' LT	31	DRIVEWAY
F18	'D' 105+09	26.0' RT	'D' 108+00	26.0' RT	159	SIDEWALK
F18	'D' 105+41	31.0' RT	'D' 105+57	31.0' RT	5	DRIVEWAY
F18	'D' 105+82	20.0' LT	'D' 106+38	23.0' LT	26	DRIVEWAY
F18	'D' 107+63	31.0' RT	'D' 107+77	31.0' RT	2	DRIVEWAY
				TOTAL:	~~3,893~~ 3,570	SY

608.0006.0000 CURB RAMP

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	'D' 23+69	25.1' LT	1	DIRECTIONAL RAMP
F1	'D' 23+70	25.1' RT	1	DIRECTIONAL RAMP
F1	'D' 24+14	25.4' RT	1	DIRECTIONAL RAMP
F1	'D' 24+14	25.1' LT	1	DIRECTIONAL RAMP
F2	'D' 26+21	25.1' RT	1	DIRECTIONAL RAMP
F2	'D' 26+20	25.1' LT	1	DIRECTIONAL RAMP
F2	'D' 26+64	25.1' RT	1	DIRECTIONAL RAMP
F2	'D' 26+64	25.1' RT	1	DIRECTIONAL RAMP
F2	'D' 29+16	22.2' RT	1	PARALLEL RAMP
F3	'D' 31+86	27.2' RT	1	DIRECTIONAL RAMP
F3	'D' 32+28	30.2' RT	1	DIRECTIONAL RAMP
F6	'D' 47+50	22.9' RT	1	DIRECTIONAL RAMP
F6	'D' 48+41	23.0' RT	1	DIRECTIONAL RAMP
F7	'D' 54+25	23.2' RT	1	DIRECTIONAL RAMP
F7	'D' 54+95	23.1' RT	1	DIRECTIONAL RAMP
F10	'D' 67+89	29.6' LT	1	PARALLEL RAMP
F10	'D' 68+51	31.6' LT	1	PARALLEL RAMP
F11	'D' 71+73	29.6' RT	1	DIRECTIONAL RAMP
F11	'D' 72+25	29.4' RT	1	DIRECTIONAL RAMP
F12	'D' 76+00	29.2' RT	1	DIRECTIONAL RAMP
F12	'D' 76+60	29.0' RT	1	DIRECTIONAL RAMP
F13	'D' 83+58	31.1' RT	1	PARALLEL RAMP
F13	'D' 84+19	29.1' RT	1	DIRECTIONAL RAMP
F14	'D' 85+98	29.0' RT	1	DIRECTIONAL RAMP
F14	'D' 86+59	30.3' RT	1	PARALLEL RAMP
		TOTAL:	25	EA

609.0002.0001 CURB AND GUTTER, TYPE 1

SHEET	START		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	'D' 22+17	22.0' RT	'D' 23+76	41.0' RT	178	
F1	'D' 22+17	22.0' LT	'D' 23+76	47.0' LT	183	
F1-F2	'D' 24+09	42.1' RT	'D' 26+27	40.1' RT	252	
F1-F2	'D' 24+08	46.3' LT	'D' 26+26	41.0' LT	260	
F2-F3	'D' 26+54	45.3' RT	'D' 31+91	31.4' RT	564	
F2	'D' 26+58	40.2' LT	'D' 28+64	21.6' LT	223	
F3-F4	'D' 32+21	32.5' RT	'D' 35+62	20.0' RT	344	
F6	'D' 47+43	20.6' RT	'D' 47+63	29.8' RT	24	
F6	'D' 48+20	31.9' RT	'D' 48+50	20.5' RT	33	
F7	'D' 50+02	20.5' RT	'D' 50+49	20.5' RT	47	
F7	'D' 51+09	20.5' RT	'D' 51+91	20.5' RT	82	
F7	'D' 53+02	20.3' RT	'D' 53+52	20.3' RT	50	
F7	'D' 54+17	20.5' RT	'D' 54+38	27.0' RT	23	
F7-F8	'D' 54+82	27.0' RT	'D' 55+04	20.6' RT	24	
F8	'D' 57+25	20.7' RT	'D' 58+75	20.8' RT	150	
F9	'D' 61+77	20.8' RT	'D' 61+88	21.0' RT	11	
F10	'D' 67+65	21.4' LT	'D' 67+96	35.3' LT	35	
F10-F11	'D' 67+39	19.6' RT	'D' 71+80	37.2' RT	453	
F10	'D' 68+45	38.4' LT	'D' 68+92	20.4' LT	52	
F11-F12	'D' 72+18	31.8' RT	'D' 76+10	31.9' RT	397	
F12-F13	'D' 76+51	31.9' RT	'D' 83+69	36.2' RT	724	
F13-F14	'D' 84+82	32.1' RT	'D' 85+08	33.8' RT	370	BUS PULLOUT ISLAND CURB
F14-F18	'D' 86+47	36.8' RT	'D' 108+00	25.5' RT	2152	
				TOTAL:	~~6,631~~ 6,614	LF

609.0003.0000 BACKING CURB

SHEET	START		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
~~F1~~	~~'D' 23+64~~	~~28.5' LT~~	~~'D' 23+77~~	~~28.5' LT~~	~~13~~	
~~F1~~	~~'D' 24+07~~	~~29.7' RT~~	~~'D' 24+29~~	~~29.5' RT~~	~~22~~	
~~F2~~	~~'D' 26+15~~	~~28.5' LT~~	~~'D' 26+27~~	~~28.5' LT~~	~~12~~	
~~F2~~	~~'D' 29+09~~	~~29.3' RT~~	~~'D' 29+24~~	~~29.3' RT~~	~~15~~	
F3	'D' 31+81	31.3' RT	'D' 31+91	31.8' RT	10	
F3	'D' 32+21	33.1' RT	'D' 32+34	32.6' RT	13	
~~F6~~	~~'D' 48+28~~	~~26.0' RT~~	~~'D' 48+41~~	~~26.0' RT~~	~~13~~	
~~F7~~	~~'D' 54+22~~	~~26.0' RT~~	~~'D' 54+37~~	~~26.0' RT~~	~~15~~	
~~F10~~	~~'D' 67+84~~	~~32.0' LT~~	~~'D' 67+92~~	~~38.7' LT~~	~~11~~	
~~F10~~	~~'D' 68+47~~	~~48.8' LT~~	~~'D' 68+56~~	~~33.5' LT~~	~~19~~	
F11	'D' 71+70	32.2' RT	'D' 71+82	32.2' RT	12	
~~F12~~	~~'D' 75+95~~	~~31.9' RT~~	~~'D' 76+09~~	~~31.9' RT~~	~~14~~	
~~F12~~	~~'D' 76+52~~	~~31.9' RT~~	~~'D' 76+68~~	~~31.9' RT~~	~~16~~	
				TOTAL:	~~185~~ 40	LF

609.2004.0000 VALLEY GUTTER

SHEET	START		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F3	'D' 31+86	23.7' RT	'D' 32+26	26.9' RT	39	DRIVEWAY
F10-F11	'D' 68+92	20.4' LT	'D' 70+36	19.0' LT	85	ROADWAY
F8	'D' 57+70	18.7' LT	'D' 58+14	18.5' LT	44	ROADWAY
F11	'D' 71+81	25.7' RT	'D' 72+18	25.0' RT	50	APPROACH
F12	'D' 76+01	25.4' RT	'D' 76+59	25.4' RT	57	APPROACH
F13	'D' 83+48	25.5' RT	'D' 84+21	25.5' RT	74	BUS PULLOUT
F14	'D' 86+02	25.0' RT	'D' 86+69	25.0' RT	67	BUS PULLOUT
F16-F18	'D' 98+88	19.0' LT	'D' 108+00	18.1' LT	915	
				TOTAL:	~~1,331~~ 1,415	LF

611.0002.0001 RIPRAP, CLASS I

SHEET	PIPE ID	STATION	OFFSET	WEIGHT (TON)	REMARKS
F1	P1-1	'D' 21+45	58.6' RT	73	
F4	P4-2	'D' 35+26	51.3' RT	22	
F5	P5-1	'D' 40+97	32.5' RT	22	
F5	P5-2	'D' 43+19	37.7' RT	22	
F7	P7-1	'D' 50+20	38.8' RT	13	
F7	P7-2	'D' 54+32	36.4' RT	13	
F8	P8-2	'D' 58+20	34.2' LT	13	
F10	P10-3	'D' 69+33	37.8' LT	16	
F11	P11-4	'D' 75+00	37.2' RT	22	
F14	P14-1	'D' 86+79	45.2' RT	22	
F14	P14-2	'D' 88+72	48.4' RT	22	
F15	P15-1	'D' 90+74	53.2' RT	22	
F15	P15-2	'D' 92+37	42.8' RT	22	
F15	EXISTING	'D' 93+79	46.2' RT	22	
			TOTAL:	~~326~~ 309	TONS

611.0002.0002 RIPRAP, CLASS II

SHEET	PIPE ID	STATION	OFFSET	WEIGHT (TON)	REMARKS
F6	P6-3	'D' 45+66	19.5' LT	23	
F11	P11-3	'D' 73+43	40.3' RT	41	
F16	P16-3	'D' 99+98	45.0' RT	85	
F17	P17-3	'D' 101+56	58.6' RT	41	
F17	P17-5	'D' 103+17	36.8' RT	31	
			TOTAL:	~~221~~ 220	TONS

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

Signature 12/16/25 Date

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

SUMMARY TABLES

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 7/14/2022 10:24 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SG-GT-SU-D-70897.dwg | LAYOUT D5

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	D6	D7

613.0002.0000 CULVERT MARKER POST

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	'D' 21+45	58.6' RT	1	P1-1
F1	'D' 22+40	39.8' LT	1	P1-1
F4	'D' 35+26	51.3' RT	1	P4-2
F5	'D' 40+97	32.5' RT	1	P5-1
F5	'D' 43+19	37.7' RT	1	P5-2
F6	'D' 45+16	35.3' RT	1	EXISTING CULVERT
F6	'D' 45+19	35.5' RT	1	EXISTING CULVERT
F6	'D' 48+59	30.6' LT	1	EXISTING CULVERT
F6	'D' 48+61	40.9' RT	1	P6-3
F6	'D' 49+10	38.8' LT	1	EXISTING CULVERT
F7	'D' 50+20	38.8' RT	1	P7-1
F7	'D' 50+34	33.2' LT	1	P7-1
F7	'D' 54+32	36.4' RT	1	P7-2
F8	'D' 56+34	25.9' LT	1	P8-1
F8	'D' 57+72	28.3' LT	1	P8-2
F8	'D' 58+20	34.2' LT	1	P8-2
F8	'D' 58+62	40.3' LT	1	EXISTING CULVERT
F9	'D' 62+81	54.8' RT	1	EXISTING CULVERT
F10	'D' 65+91	25.4' LT	1	EXISTING CULVERT
F10	'D' 68+55	72.2' RT	1	EXISTING CULVERT
F10	'D' 68+71	62.5' LT	1	P10-2
F10	'D' 68+85	38.6' LT	1	EXISTING CULVERT
F10	'D' 69+33	37.8 LT	1	P10-3
F10	'D' 69+38	39.7' LT	1	EXISTING CULVERT
F11	'D' 71+94	27.0' LT	1	EXISTING CULVERT
F11	'D' 73+39	24.9' LT	1	EXISTING CULVERT
F11	'D' 73+43	40.3' RT	1	P11-2
F11	'D' 74+96	26.2' LT	1	EXISTING CULVERT
F11	'D' 75+00	28.2' RT	1	P11-3
F12	'D' 76+36	28.2' LT	1	EXISTING CULVERT
F12	'D' 76+63	107.3' RT	1	P12-2
F12	'D' 78+38	23.3' LT	1	EXISTING CULVERT
F13	'D' 80+65	23.1' LT	1	EXISTING CULVERT
F13	'D' 82+50	32.2' LT	1	EXISTING CULVERT
F13	'D' 82+51	44.5' RT	1	EXISTING CULVERT
F13	'D' 82+68	22.0' LT	1	P13-2
F13	'D' 83+28	21.5' LT	1	P13-2
F13	'D' 83+49	20.6' LT	1	P13-3
F13	'D' 83+86	20.9' LT	1	P13-3
F14	'D' 86+79	45.2' RT	1	P14-1
F14	'D' 86+87	26.0' LT	1	P14-1
F14	'D' 88+58	24.8' LT	1	EXISTING CULVERT
F14	'D' 88+71	47.5' RT	1	P14-2
F15	'D' 90+74	53.2' RT	1	P15-1
F15	'D' 90+79	44.2' LT	1	P15-1
F15	'D' 92+37	42.8' RT	1	P15-2
F15	'D' 92+42	23.1' LT	1	P15-2
F15	'D' 93+79	46.2' RT	1	EXISTING CULVERT
F15	'D' 94+03	23.6' LT	1	EXISTING CULVERT
F16	'D' 96+15	20.7' LT	1	P16-1
F16	'D' 96+93	19.1' LT	1	P16-1
F16	'D' 98+39	20.4' LT	1	EXISTING CULVERT
F16	'D' 98+88	21.0' LT	1	EXISTING CULVERT
F16	'D' 98+95	22.4' LT	1	P16-2
F16	'D' 99+98	45.0' RT	1	P16-3
F17	'D' 100+16	49.7' LT	1	P17-1
F17	'D' 101+56	58.6' RT	1	P17-3
F17	'D' 103+01	30.8' LT	1	P17-4
F17	'D' 103+17	36.8' RT	1	P17-5
F18	'D' 105+21	57.6' RT	1	EXISTING CULVERT
		TOTAL:	60	EA

615.0007.0000 SALVAGE AND DISPOSE SIGN

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
H2	'D' 21+91	LT	1	NO PARKING ANYTIME
H2	'D' 25+67	LT	1	SPEED LIMIT 30
H2	'D' 28+67	RT	1	NO PARKING ANYTIME
H2	'D' 32+82	LT	1	BIKE ROUTE
H2	'D' 32+74	RT	1	RIGHT LANE BIKE ONLY
H3	'D' 33+87	RT	1	SPEED LIMIT 30
H3	'D' 36+24	LT	1	SCHOOL SPEED LIMIT 20 WHEN FLASHING
H3	'D' 37+25	RT	1	NO PARKING ANYTIME
H3	'D' 39+22	LT	1	SPEED LIMIT 30
H3	'D' 39+59	RT	1	SPEED LIMIT 40
H3	'D' 41+10	LT	1	NO PARKING BIKE LANE
H4	'D' 46+79	LT	1	NO PARKING BIKE LANE
H4	'D' 52+69	RT	1	NO PARKING ANYTIME
H4	'D' 46+14	RT	1	NO PARKING ANYTIME
H5	'D' 58+50	LT	1	SPEED LIMIT 40
H5	'D' 58+50	RT	1	LAWSON CREEK
H5	'D' 61+79	LT	1	LAWSON CREEK
H5	'D' 61+94	RT	1	NO PARKING ANYTIME
H5	'D' 63+26	LT	1	NO PARKING BIKE LANE
H5	'D' 65+27	RT	1	NO PARKING ANYTIME
H5	'D' 65+27	RT	1	TOW AWAY
H5	'D' 68+17	RT	1	NO PARKING ANYTIME
H6	'D' 69+52	RT	1	SPEED LIMIT 40
H6	'D' 73+26	RT	1	"BIKE LANE"
H6	'D' 73+68	LT	1	SPEED LIMIT 40
H7	'D' 90+04	LT	1	NO PARKING BIKE LANE
H7	'D' 92+29	RT	1	SPEED LIMIT 40
H8	'D' 95+85	LT	1	NO PARKING BIKE LANE
		TOTAL:	~~28~~ 27	EA

625.0001.0000 PIPE HAND RAIL

SHEET	START STATION	END STATION	OFFSET	LENGTH (LF)	REMARKS
F1	'D' 22+17	'D' 22+94	RT	77	ON TOP OF EXIST. RETAIINING WALL
F1	'D' 23+18	'D' 23+42	RT	24	ON TOP OF EXIST. SIDEWALK/WALL
F2	'D' 25+23	'D' 25+77	RT	54	ON TOP OF EXIST. SIDEWALK/WALL
F2	'D' 25+87	'D' 26+11	RT	24	ON TOP OF EXIST. RETAIINING WALL
M1	'D' 78+68	'D' 79+16	RT	61	WALL 1
M1	'D' 79+47	'D' 81+50	RT	315	WALL 2
M1	'D' 81+79	'D' 82+15	RT	61	WALL 3
			TOTAL:	~~616~~ 458	LF

626.2013.0000 ADJUST SANITARY SEWER CLEANOUT

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	'D' 22+36	25.6' RT	1	
F1	'D' 22+71	25.6' RT	1	
F1	'D' 24+21	24.4' RT	1	
F1	'D' 24+49	22.8' LT	1	
F1	'D' 24+78	24.7' RT	1	
F1	'D' 24+84	24.9' LT	1	
F2	'D' 25+30	24.3' LT	1	
F2	'D' 26+98	24.7' LT	1	
F2	'D' 27+41	24.9' LT	1	
F2	'D' 27+72	25.1' RT	1	
F2	'D' 27+93	24.2' LT	1	
F2	'D' 28+21	25.0' RT	1	
		TOTAL:	~~12~~ 11	EA

627.0010.0000 ADJUSTMENT OF VALVE BOX

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F2	'D' 26+30	17.5' RT	1	
F2	'D' 26+33	20.0' RT	1	
F2	'D' 26+33	14.8' RT	1	
F2	'D' 26+35	17.7' RT	1	
F2	'D' 28+86	17.3' RT	1	
F2	'D' 28+89	14.8' RT	1	
F2	'D' 28+91	17.4' RT	1	
F3	'D' 30+49	14.8' LT	1	
F3	'D' 32+02	29.1' RT	1	
F3	'D' 32+49	28.3' RT	1	
F3	'D' 32+50	18.6' LT	1	
F4	'D' 35+66	15.7' RT	1	
F4	'D' 35+87	21.6' RT	1	
~~F6~~	~~'D' 47+67~~	~~17.5' RT~~	~~1~~	
F6	'D' 47+47	25.7' RT	1	
F6	'D' 49+40	17.4' RT	1	
F6	'D' 49+42	13.8' RT	1	
F6	'D' 49+51	17.4' RT	1	
F7	'D' 53+32	16.4' RT	1	
F7	'D' 54+74	26.3' RT	1	
~~F8~~	~~'D' 57+47~~	~~37.8' RT~~	~~1~~	
~~F8~~	~~'D' 57+69~~	~~28.9' RT~~	~~1~~	
~~F10~~	~~'D' 67+49~~	~~33.7' RT~~	~~1~~	
F10	'D' 68+28	13.6' LT	1	
F10	'D' 68+32	18.6' LT	1	
F11	'D' 71+91	34.5' RT	1	
F11	'D' 71+95	32.7' RT	1	
F11	'D' 71+99	7.0' LT	1	
F11	'D' 72+53	11.6' RT	1	
F12	'D' 75+50	18.5' RT	1	
F12	'D' 76+01	12.5' LT	1	
F12	'D' 76+22	31.3' RT	1	
F12	'D' 77+01	23.3' LT	1	
F12	'D' 78+77	28.1' RT	1	
F13	'D' 80+25	13.0' LT	1	
F13	'D' 80+83	27.6' RT	1	
F13	'D' 82+18	28.0' RT	1	
F13	'D' 83+85	29.9' RT	1	
F13	'D' 83+86	29.6' RT	1	
F14	'D' 85+01	19.2' RT	1	
F14	'D' 85+03	16.2' RT	1	
F14	'D' 85+06	19.2' RT	1	
F14	'D' 85+26	28.2' RT	1	
F14	'D' 85+65	27.9' RT	1	
F14	'D' 88+30	18.0' RT	1	
F14	'D' 88+33	14.9' RT	1	
F14	'D' 88+38	28.8' RT	1	
F15	'D' 91+63	11.0' LT	1	
F15	'D' 91+66	8.1' LT	1	
F15	'D' 92+69	28.7' RT	1	
F15	'D' 92+73	30.7' RT	1	
F15	'D' 93+37	29.9' RT	1	
F15	'D' 94+20	31.2' RT	1	
F15	'D' 94+80	31.6' RT	1	

627.0010.0000 ADJUSTMENT OF VALVE BOX (CONT'D)

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F16	'D' 95+90	31.7' RT	1	
F16	'D' 96+58	7.4' LT	1	
F16	'D' 96+62	27.8' RT	1	
F16	'D' 97+16	31.7' RT	1	
~~F16~~	~~'D' 98+45~~	~~25.6' LT~~	~~1~~	
~~F16~~	~~'D' 98+46~~	~~32.0' RT~~	~~1~~	
F16	'D' 99+64	32.3' RT	1	
F16	'D' 99+77	7.9' LT	1	
F17	'D' 100+50	31.9' RT	1	
F17	'D' 100+94	24.1' LT	1	
F17	'D' 102+74	16.8' LT	1	
F17	'D' 102+77	9.1' LT	1	
~~F17~~	~~'D' 103+25~~	~~25.7' LT~~	~~1~~	
F18	'D' 107+33	6.0' LT	1	
F2	'D' 29+02	24.5' RT	1	
F2	'D' 29+59	24.8' RT	1	
F3	'D' 30+45	25.0' RT	1	
		TOTAL:	68	EA

627.0011.0000 REMOVE AND REPLACE WATER VALVE BOX AND LID

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	'D' 22+39	24.2' RT	1	
F1	~~'D' 23+58~~	~~23.8' LT~~	~~1~~	
F1	'D' 23+66	27.1' RT	1	
F1	'D' 24+28	24.4' LT	1	
F1	'D' 24+43	24.2' RT	1	
F1	'D' 24+85	25.0' LT	1	
F1	'D' 24+94	24.3' RT	1	
F2	'D' 25+31	24.4' LT	1	
F2	'D' 26+96	25.1' LT	1	
~~F2~~	~~'D' 27+39~~	~~25.2' RT~~	~~1~~	
F2	'D' 27+44	26.0' LT	1	
F2	'D' 27+73	25.0' RT	1	
~~F2~~	~~'D' 27+73~~	~~27.9' LT~~	~~1~~	
F2	'D' 27+91	24.4' LT	1	
F2	'D' 28+23	24.9' RT	1	
		TOTAL:	~~18~~ 13	EA

631.0002.0001 GEOTEXTILE, EROSION CONTROL, CLASS 1

SHEET	PIPE ID	STATION	OFFSET	AREA (SY)	REMARKS
F4	P4-2	'D' 35+26	51.3' RT	15	RIPRAP CLASS I
F5	P5-2	'D' 43+19	37.7' RT	30	RIPRAP CLASS I
F7	P7-1	'D' 50+20	38.8' RT	20	RIPRAP CLASS I
F7	P7-2	'D' 54+32	36.4' RT	20	RIPRAP CLASS I
F8	P8-2	'D' 58+20	34.2' LT	20	RIPRAP CLASS I
F10	P10-3	'D' 69+35	38.0' LT	25	RIPRAP CLASS I
F11	P11-3	'D' 73+43	40.3' RT	20	RIPRAP CLASS II
F11	P11-4	'D' 75+00	37.2' RT	30	RIPRAP CLASS I
F14	P14-5	'D' 86+79	45.3' RT	30	RIPRAP CLASS I
F14	P14-4	'D' 88+72	48.5' RT	10	RIPRAP CLASS I
F15	P15-2	'D' 92+37	42.8' RT	10	RIPRAP CLASS I
F15	EXISTING	'D' 93+79	46.3' RT	30	RIPRAP CLASS I
F16	P16-3	'D' 99+98	45.0' RT	65	RIPRAP CLASS II
			TOTAL:	~~325~~ 663	SY

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

Signature 12/16/25 Date

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II

SUMMARY TABLES

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ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/14/2022 10:24 | LAYOUT D6
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SG-CT-SU-D-70897.dwg

NO.	DATE	REVISION
⚠	04/30/24	CO #11 - MONUMENTS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	D7	D8 ⚠

639.2000.0000 APPROACH (CONT'D)

SHEET	STATION	OFFSET	TYPE			WIDTH (FT)	REMARKS
			PUBLIC (EA)	RES. (EA)	COMM. (EA)		
F1	'D' 23+12	22.0' RT		1		13.4	DRIVEWAY CURB CUT
F1	'D' 23+92	37.9' LT	1			24	G STREET
F1	'D' 23+93	41.5' RT	1			24	G STREET
F2	'D' 25+11	22.0' RT		1		19.1	DRIVEWAY CURB CUT W/3" MODIFIED CURB
F2	'D' 25+15	22.0' LT		1		9.3	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F2	'D' 26+43	48.2' RT	1			24	H STREET
F2	'D' 26+41	51.4' LT	1			24	H STREET
F2	'D' 27+50	22.0' RT		1		14	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F2	'D' 27+92	22.0' RT		1		63	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F2	'D' 28+10	22.0' LT		1		9.2	DRIVEWAY CURB CUT
F2	'D' 28+37	22.0' LT		1		7.7	DRIVEWAY CURB CUT
F2	'D' 28+93	42.0' LT	1			33.6	I STREET
F2	'D' 29+00	22.0' RT		1		14.4	DRIVEWAY CURB CUT
F2	'D' 29+66	23.0' RT		1		22	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F3	'D' 30+23	23.1' RT		1		16	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F3	'D' 32+06	32.0' RT		1		26.4	APARTMENT ENTRANCE
F4	'D' 36+43	20.5' RT		1		27.2	DRIVEWAY CURB CUT
F4	'D' 37+91	20.5' RT		1		20.3	DRIVEWAY CURB CUT
F4	'D' 38+50	20.5' RT		1		20.6	DRIVEWAY CURB CUT
F4	'D' 39+10	20.5' RT		1		35.8	MODIFIED DRIVEWAY CURB CUT
F4	'D' 39+85	20.5' RT		1		26	DRIVEWAY CURB CUT
F6	'D' 49+39	44.3' LT	1			30.5	CROW HILL DR
F7	'D' 51+47	20.5' RT		1		20	CEMETERY. MODIFIED DRIVEWAY CURB CUT
F7	'D' 51+70	20.5' LT		1		20	CEMETERY. EXISTING GUTTER TO REMAIN
F7	'D' 53+25	20.5' RT		1		37.9	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F7	'D' 54+63	48.9' RT	1			24.7	LAWSON CREEK RD
F8	'D' 57+95	38.6' LT	1			29.3	CREEK ST
F9	'D' 63+11	20.5' RT		1		28.3	DRIVEWAY CURB CUT
F10	'D' 68+24	42.8' LT	1			42.8	VISTA DR
F10	'D' 69+66	18.5' LT		1		28.9	GUTTER
F11	'D' 71+98	24.5' RT		1		32.3	GUTTER
F11	'D' 72+92	20.0' RT		1		18.4	DRIVEWAY CURB CUT W/3" MODIFIED CURB
F12	'D' 75+43	23.0' LT		1		19.9	
F12	'D' 76+31	24.4' RT		1		37.4	GUTTER
F12	'D' 76+87	28.2' LT		1		19	
F12	'D' 79+32	31.5' RT		1		31.6	DRIVEWAY CURB CUT
F13	'D' 81+64	31.4' RT		1		29.2	DRIVEWAY CURB CUT
F13	'D' 82+96	17.6' LT		1		46.3	
F13	'D' 83.25	31.5' RT		1		27	DRIVEWAY CURB CUT
F13	'D' 83+80	18.0' LT		1		12.2	
F13	'D' 83+90	31.5' RT	1			56	GUTTER
F14	'D' 86+30	31.5' RT	1			58.2	GUTTER
F14	'D' 87+76	31.5' RT		1		18.5	DRIVEWAY CURB CUT
F14	'D' 88+03	31.8' LT	1			48.1	JOHN ST
F15	'D' 92+41	24.0' RT		1		24	DRIVEWAY CURB CUT
F15	'D' 93+09	24.2' RT		1		39.2	DRIVEWAY CURB CUT
F15	'D' 93+64	21.5' LT		1		31.7	
F15	'D' 94+28	24.0' RT		1		54.1	DRIVEWAY CURB CUT
F15	'D' 94+74	24..0' RT		1		24.4	DRIVEWAY CURB CUT W/3" MODIFIED CURB
F15	'D' 94+81	29.2' LT		1		18.2	
F16	'D' 95+36	24.0' RT		1		17.4	DRIVEWAY CURB CUT
F16	'D' 95+40	18.0' LT		1		12.2	
F16	'D' 95+74	24.0' RT		1		24	DRIVEWAY CURB CUT
F16	'D' 96+31	18.0' LT		1		24.2	
F16	'D' 96+65	18.0' LT		1		18.6	
F16	'D' 97+18	31.3' RT		1		41.9	DRIVEWAY CURB CUT W/3" MODIFIED CURB
F16	'D' 97+95	31.4' RT		1		39	DRIVEWAY CURB CUT W/3" MODIFIED CURB
F16	'D' 98+53	18.0' LT		1		19.2	
F16	'D' 99+30	18.0' LT		1		27.2	GUTTER
F16	'D' 99+58	24.0' RT		1		29	DRIVEWAY CURB CUT
F17	'D' 100+21	18.0' LT		1		22.5	GUTTER
F17	'D' 100+72	24.0' RT		1		37.8	DRIVEWAY CURB CUT

639.2000.0000 APPROACH (CONT'D)

SHEET	STATION	OFFSET	TYPE			WIDTH (FT)	REMARKS
			PUBLIC (EA)	RES. (EA)	COMM. (EA)		
F17	'D' 100+96	18.0' LT		1		30.9	GUTTER
F17	'D' 101+75	24.0' RT		1		51.7	DRIVEWAY CURB CUT
F17	'D' 102+30	24.0' RT		1		21.8	MODIFIED DRIVEWAY CURB CUT
F17	'D' 102+35	18.0' LT		1		28.5	GUTTER
F17	'D' 103+25	18.0' LT		1		27.5	GUTTER
F17	'D' 103+45	24.0' RT		1		33.2	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F17	'D' 103+80	24.0' RT		1		18.6	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F17	'D' 104+20	18.0' LT		1		28.5	GUTTER
F17	'D' 104+25	24.0' RT		1		50.7	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F17	'D' 104+60	18.0' LT		1		54.5	GUTTER
F18	'D' 105+05	24.0' RT		1		31.6	MODIFIED DRIVEWAY CURB CUT W/3" MODIFIED CURB
F18	'D' 105+50	24.0' RT		1		15.9	DRIVEWAY CURB CUT
F18	'D' 106+00	18.0' LT		1		54.8	GUTTER
F18	'D' 106+50	24.0' RT		1		14.9	3" MODIFIED CURB
F18	'D' 106+65	18.0' LT		1		43.3	GUTTER
F18	'D' 107+70	24.0' RT		1		14.8	3" MODIFIED CURB
		SUBTOTAL:	12	66	0		
		TOTAL:		~~78~~ 75		EA	

642.0004.0000 SET PRIMARY MONUMENT

POINT #	STATION	OFFSET	QUANTITY (EA)	REMARKS
1601	'D' 103+68	21.00' LT	1	
1602	'D' 96+87	33.00' RT	1	
1603	'D' 87+24	20.00' LT	1	
1604	'D' 79+96	19.00' LT	1	
1605	'D' 73+92	20.00' LT	1	
1606	'D' 67+49	25.00' RT	1	
1607	'D' 62+96	25.00' RT	1	
1608	'D' 52+71	19.00' LT	1	
1609	'D' 47+56	25.00' RT	1	
1610	'D' 43+80	23.00' RT	1	
1611	'D' 41+62	22.00' RT	1	
1612	'D' 38+67	23.00' RT	1	
1613	'D' 33+90	22.00' RT	1	
1614	'D' 30+41	28.00' RT	1	
1615	'D' 26+64	29.00' RT	1	
1616	'D' 20+95	30.00' LT	1	
		TOTAL:	~~16~~ 15	EA

642.0007.0000 REPLACE EXISTING WITH SECONDARY MONUMENT

POINT #	STATION	OFFSET	QUANTITY (EA)	REMARKS
1016	'D' 76+04.30	35.06' LT	1	
~~1027~~	~~'D' 70+46.41~~	~~33.02' RT~~	~~1~~	
~~1028~~	~~'D' 70+44.22~~	~~33.33' RT~~	~~1~~	
~~1029~~	~~'D' 70+14.15~~	~~32.97' RT~~	~~1~~	
1031	'D' 71+94.57	34.79' RT	1	
~~1032~~	~~'D' 70+68.31~~	~~33.56' RT~~	~~1~~	
~~1033~~	~~'D' 70+61.50~~	~~33.77' RT~~	~~1~~	
~~1034~~	~~'D' 70+92.66~~	~~33.73' RT~~	~~1~~	
1042	'D' 21+68.78	31.80' LT	1	
1047	'D' 25+16.92	29.57' RT	1	
~~1059~~	~~'D' 98+89.48~~	~~26.28' LT~~	~~1~~	
1063	'D' 100+12.77	36.55' RT	1	
1064	'D' 105+40.14	34.93' RT	1	
1066	'D' 107+07.96	33.73' RT	1	
~~1106~~	~~'D' 71+88.39~~	~~117.43' RT~~	~~1~~	
~~1107~~	~~'D' 73+20.5~~	~~128.12' RT~~	~~1~~	
1132	'D' 68+48.5	68.67' LT	1	
1153	'D' 26+16.91	28.32' RT	1	
1156	'D' 43+11.52	36.18' RT	1	
1159	'D' 45+21.27	36.65' RT	1	
		TOTAL:	~~20~~ 10	EA

642.0009.0000 REFERENCE EXISTING MONUMENT

POINT #	STATION	OFFSET	QUANTITY (EA)	REMARKS
1016	'D' 76+04.30	35.06' LT	1	
~~1027~~	~~'D' 70+46.41~~	~~33.02' RT~~	~~1~~	
~~1028~~	~~'D' 70+44.22~~	~~33.33' RT~~	~~1~~	
~~1029~~	~~'D' 70+14.15~~	~~32.97' RT~~	~~1~~	
1031	'D' 71+94.57	34.79' RT	1	
~~1032~~	~~'D' 70+68.31~~	~~33.56' RT~~	~~1~~	
~~1033~~	~~'D' 70+61.50~~	~~33.77' RT~~	~~1~~	
~~1034~~	~~'D' 70+92.66~~	~~33.73' RT~~	~~1~~	
1042	'D' 21+68.78	31.80' LT	1	
1047	'D' 25+16.92	29.57' RT	1	
~~1059~~	~~'D' 98+89.48~~	~~26.28' LT~~	~~1~~	
1063	'D' 100+12.77	36.55' RT	1	
1064	'D' 105+40.14	34.93' RT	1	
1066	'D' 107+07.96	33.73' RT	1	
~~1106~~	~~'D' 71+88.39~~	~~117.43' RT~~	~~1~~	
~~1107~~	~~'D' 73+20.50~~	~~128.12' RT~~	~~1~~	
1132	'D' 68+48.50	68.67' LT	1	
1153	'D' 26+16.91	28.32' RT	1	
1156	'D' 43+11.52	36.18' RT	1	
1159	'D' 45+21.27	36.65' RT	1	
		TOTAL:	~~20~~ 11	EA

642.0010.0000 MONUMENT CASE

POINT #	STATION	OFFSET	QUANTITY (EA)	REMARKS
1601	'D' 103+68	21.00' LT	1	
1602	'D' 96+87	33.00' RT	1	
1603	'D' 87+24	20.00' LT	1	
1604	'D' 79+96	19.00' LT	1	
1605	'D' 73+92	20.00' LT	1	
1606	'D' 67+49	25.00' RT	1	
1607	'D' 62+96	25.00' RT	1	
1608	'D' 52+71	19.00' LT	1	
1609	'D' 47+56	25.00' RT	1	
1610	'D' 43+80	23.00' RT	1	
1611	'D' 41+62	22.00' RT	1	
1612	'D' 38+67	23.00' RT	1	
1613	'D' 33+90	22.00' RT	1	
1614	'D' 30+41	28.00' RT	1	
1615	'D' 26+64	29.00' RT	1	
1616	'D' 20+95	30.00' LT	1	
		TOTAL:	~~16~~ 15	EA

643.2027.0000 PEDESTRIAN BARRIER

SHEET	START STATION	END STAION	QUANTITY (LF)	REMARKS
F1-F18	'D' 22+17	'D' 108+00	400	REUSED THROUGH PROJECT
		TOTAL:	400	LF

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

Jim Bergan 12/16/25

Signature Date

PLANS DEVELOPED BY:
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

SUMMARY TABLES

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FILE D:\22\70897-02\99Deliver\2024-04-29 CO #1\SFHWY00315-958032 - D1-D7.dwg
CERTIFICATE OF AUTH #: AECL848
DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
⚠	04/30/24	CO #11 - MONUMENTS	ALASKA	SFHWY00315/958032	2022	D8	D8

642.0006.0000 REPLACE EXISTING WITH PRIMARY MONUMENT

POINT #	STATION	OFFSET	QUANTITY (EA)	REMARKS
713	73+44.90	34.97 R	1	
724	66+37.26	36.86 R	1	
725	64+48.85	41.98 R	1	
		TOTAL:	3	EA

642.0007.0000 REPLACE EXISTING WITH SECONDARY MONUMENT

POINT #	STATION	OFFSET	QUANTITY (EA)	REMARKS
702	106+94.83	27.09 L	1	
703	105+46.41	25.93 L	1	
704	101+12.08	37.83 R	1	
705	99+97.96	34.72 R	1	
708	99+47.99	23.34 L	1	
709	88+60.78	37.26 R	1	
716	69+45.46	33.54 L	1	
717	69+46.04	43.58 L	1	
718	68+74.25	52.10 R	1	
726	64+80.20	41.04 R	1	
727	54+23.63	39.05 R	1	
728	50+01.79	36.23 R	1	
733	49+14.88	35.86 L	1	
738	41+01.40	36.65 R	1	
740	26+67.48	29.81 R	1	
741	27+64.84	29.50 R	1	
742	23+69.09	29.52 L	1	
745	24+66.17	29.36 L	1	
746	24+16.07	29.66 L	1	
1044	27+64384	28.99 L	1	
1045	26+54.71	29.35 L	1	
1049	50+02.34	33.85 L	1	
1060	101+87.74	23.67 L	1	
1061	101+87.21	24.89 L	1	
1065	105+46.41	25.93 L	1	
		TOTAL:	~~25~~ 10	EA

642.0009.0000 REFERENCE EXISTING MONUMENT

POINT #	STATION	OFFSET	QUANTITY (EA)	REMARKS
701	108+42.80	28.26 L	1	
702	106+94.83	27.09 L	1	
703	105+46.41	25.93 L	1	
704	101+12.08	37.83 R	1	
705	99+97.96	34.72 R	1	
708	99+47.99	23.34 L	1	
709	88+60.78	37.26 R	1	
713	73+44.90	34.97 R	1	
716	69+45.46	33.54 L	1	
717	69+46.04	43.58 L	1	
718	68+74.25	52.10 R	1	
724	66+37.26	36.86 R	1	
725	64+48.85	41.98 R	1	
726	64+80.20	41.04 R	1	
727	54+23.63	39.05 R	1	
728	50+01.79	36.23 R	1	
733	49+14.88	35.86 L	1	
734	48+99.97	23.40 L	1	
738	41+01.40	36.65 R	1	
740	26+67.48	29.81 R	1	
741	27+64.84	29.50 R	1	
742	23+69.09	29.52 L	1	
745	24+66.17	29.36 L	1	
746	24+16.07	29.66 L	1	
1044	27+64384	28.99 L	1	
1045	26+54.71	29.35 L	1	
1049	50+02.34	33.85 L	1	
1060	101+87.74	23.67 L	1	
1061	101+87.21	24.89 L	1	
1065	105+46.41	25.93 L	1	
		TOTAL:	30	EA

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

SUMMARY TABLES

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 4/29/2024 15:45 | FILE Q:\22\70897-02\99Deliver\2024-04-29 CO #11\SFHWY00315-958032 - D1-D7.dwg
PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
LAYOUT D8

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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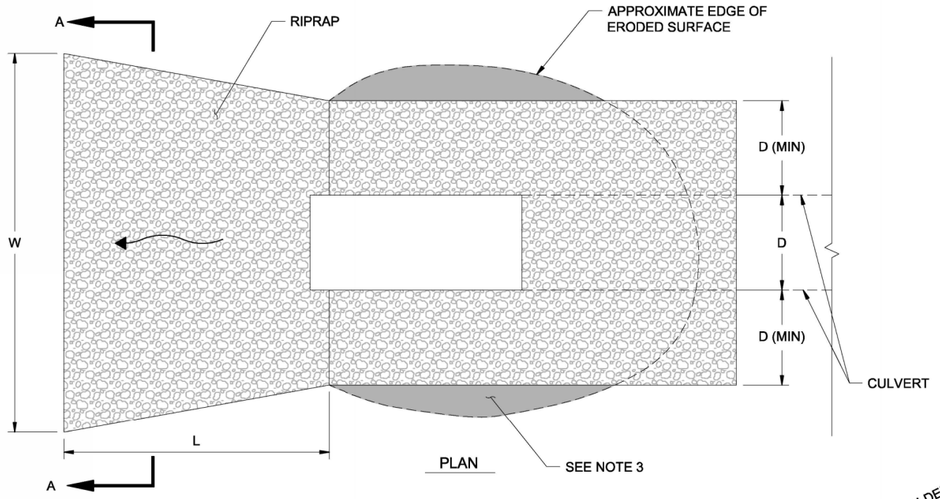
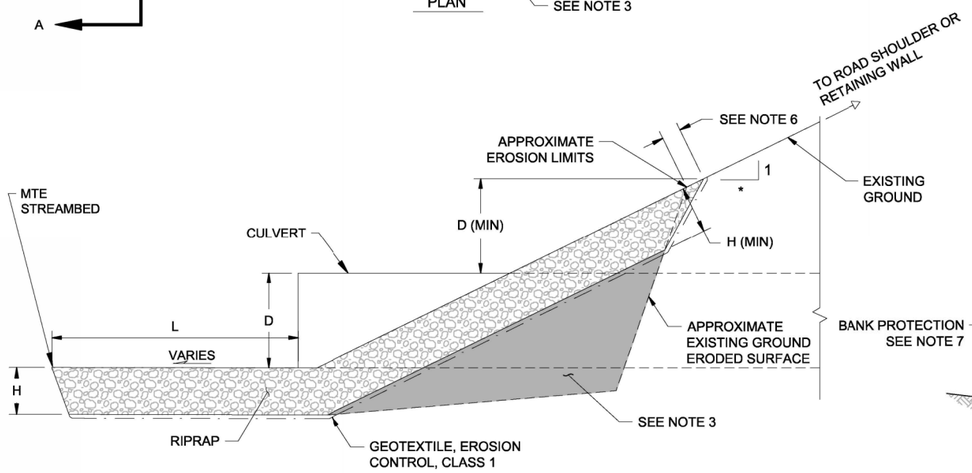
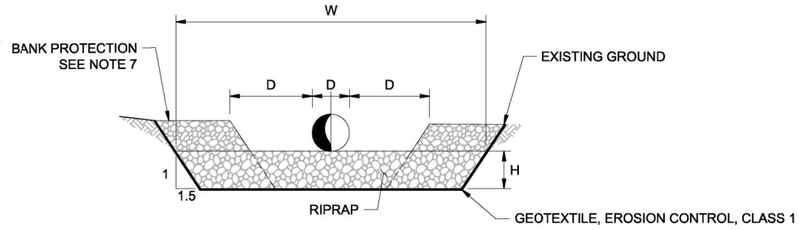


PLAN



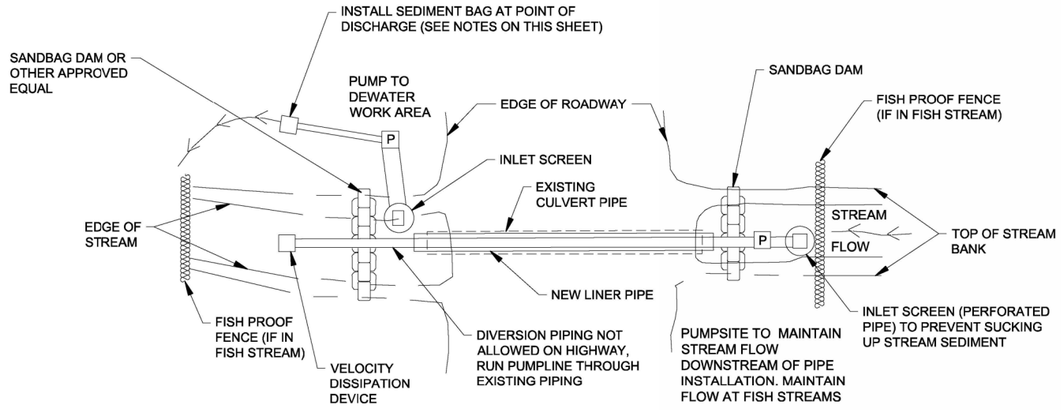
PROFILE

* MATCH EXISTING SLOPE



SECTION A-A

RIPRAP SLOPE PROTECTION
NTS



RECOMMENDED STREAM DEWATERING DETAILS - PLAN
NTS

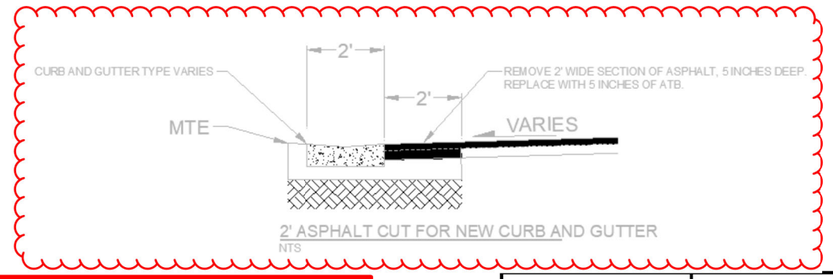
GENERAL NOTES FOR RIPRAP SLOPE PROTECTION SUMMARY TABLE

1. VERIFY CLASS OF RIPRAP WITH ENGINEER AFTER EXISTING CULVERT IS REMOVED AND PRIOR TO INSTALLATION OF NEW RIPRAP.

SPECIAL OUTLET APRON SUMMARY					
PIPE ID	RIPRAP CLASS	D (IN)	L (FT)	W (FT)	H (FT)
P1-1	I	84	14	15	2
P4-2	I	24	14	14	2
P5-1	I	24	14	14	2
P5-2	I	24	14	14	2
P6-3	II	18	13	13	3
P7-1	I	18	11	10	2
P7-2	I	18	11	10	2
P8-2	I	18	11	10	2
P10-3	I	24	14	14	2
P11-3	II	24	18	16	3
P11-4	I	24	14	14	2
P14-1	I	24	14	14	2
P14-2	I	24	14	14	2
P15-1	I	24	14	14	2
P15-2	I	24	14	14	2
P15-3	I	24	14	14	2
P16-3	II	36	25	23	3
P17-3	II	24	18	16	3
P17-5	II	24	18	16	3

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 MAY BE NECESSARY. INSTALLATION OF SLIPLINE, CIPP, OR NEW PIPE TO BE COMPLETED ON LOW FLOW DAYS TO AVOID/MINIMIZE DIVERSIONS.
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. FILL VOIDS UNDER RIPRAP WITH USABLE EXCAVATION OR BORROW, TYPE B.
4. THIS DETAIL APPLIES TO CULVERTS BEING REPLACED AND AT OTHER LOCATIONS AS LISTED IN THE SPECIAL OUTLET APRON SUMMARY (THIS SHEET). THE ENGINEER MAY, AS NECESSARY, APPROVE USE OF THIS DETAIL AT OTHER LOCATIONS NOT LISTED.
5. CONTRACTOR TO SUBMIT DEWATERING PLAN (IF NECESSARY) TO ENGINEER FOR APPROVAL PRIOR TO BEGINNING ANY DEWATERING FOR PIPE INSTALLATION OR REHABILITATION.
6. EXTEND RIPRAP AT LEAST 1 FOOT UPHILL FROM THE TOP OF THE EXISTING ERODED SLOPE LIMITS.
7. BANK PROTECTION THICKNESS TO BE AT LEAST 1.5 D50 OF SELECTED RIPRAP FOR OUTLET CONTROL. EXTENT OF BANK PROTECTION TO COVER ERODED OR BARE SOIL AS DETERMINED BY ENGINEER.
8. CONTOUR RIPRAP TO MATCH EXISTING FLOW CHANNEL.



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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

DETAILS

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/15/2022 12:21 | LAYOUT E1
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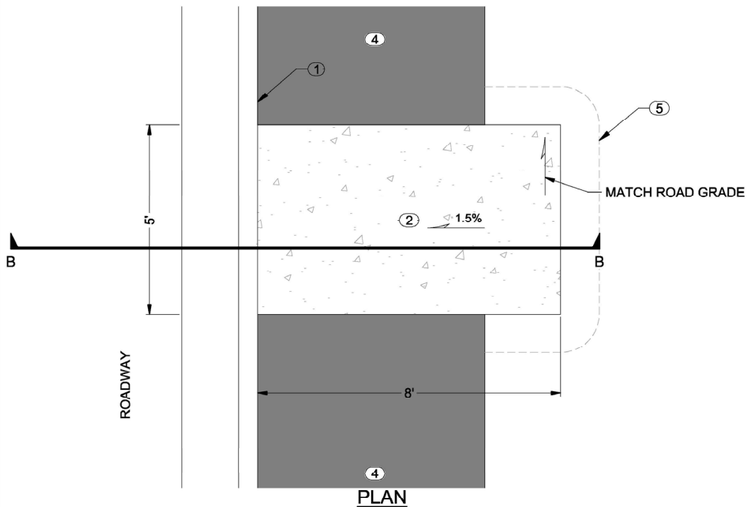
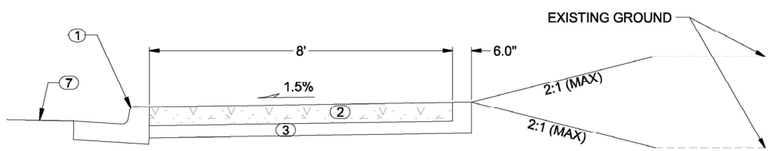
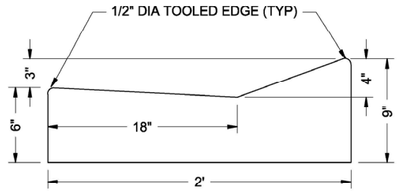


PLAN



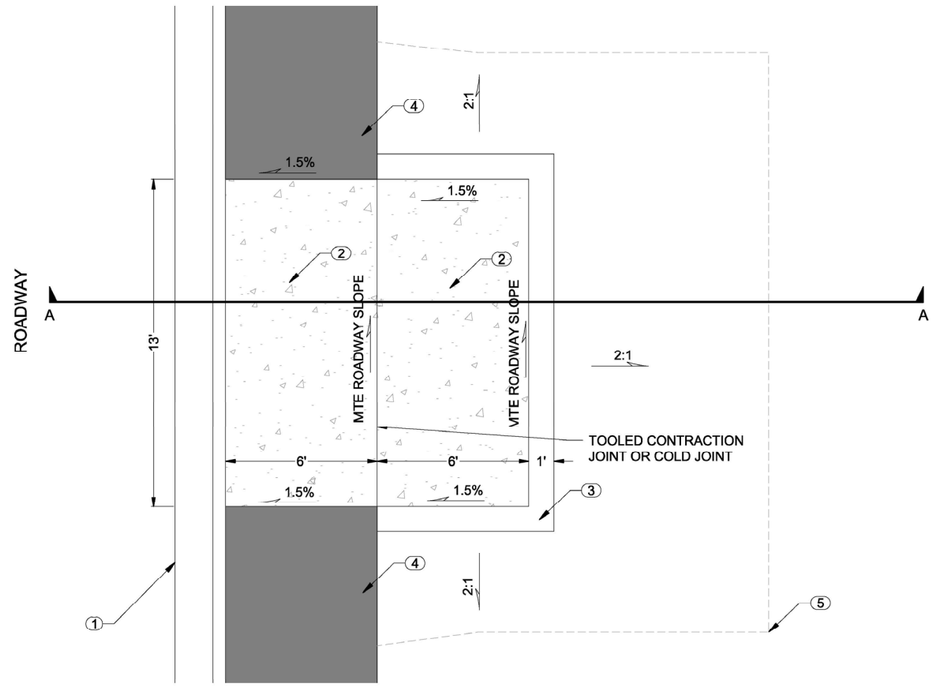
SECTION B-B

BUS STOP LANDING DETAIL
NTS

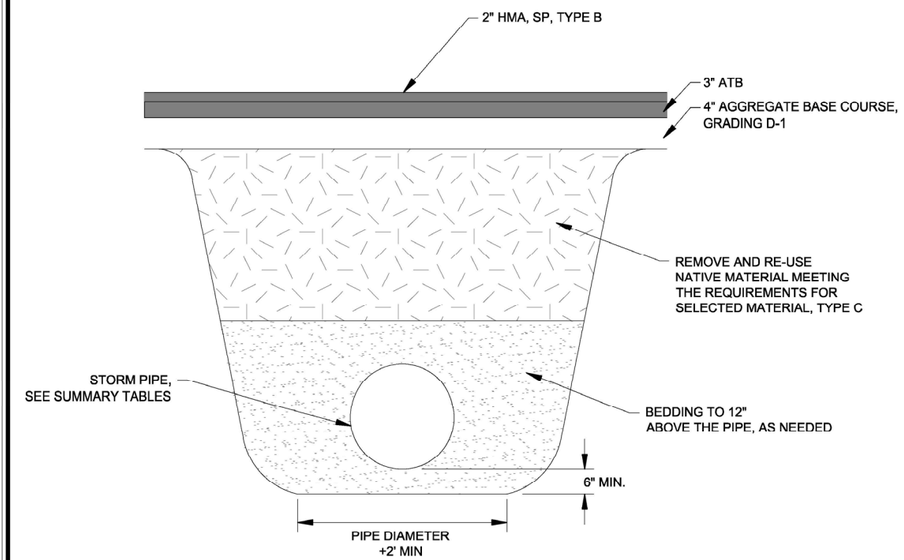


3-INCH CURB AND GUTTER
NTS

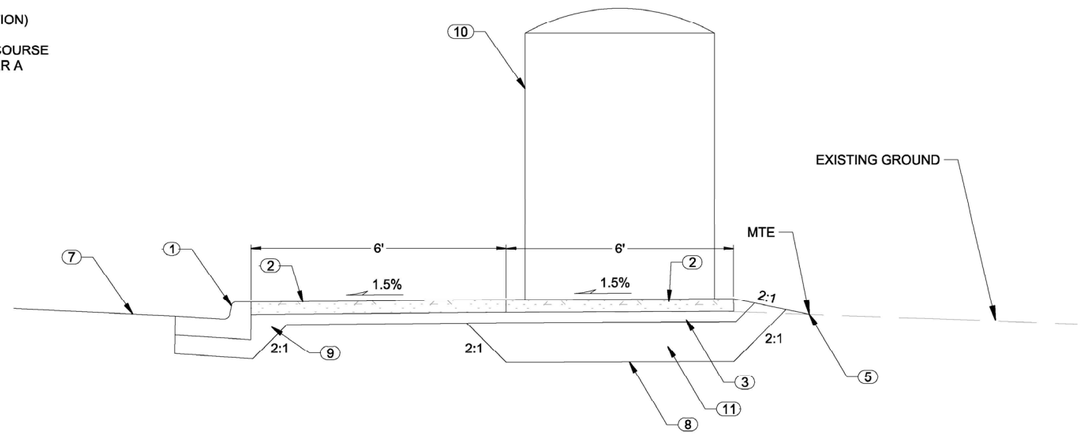
NOTES (X):
1. STANDARD CURB AND GUTTER. SEE D AND F SHEETS FOR CURB AND GUTTER TYPE
2. CONCRETE SIDEWALK, 6" THICK
3. AGGREGATE BASE COURSE, GRADING D-1, 4" THICK
4. 2" ASPHALT SIDEWALK
5. APPROXIMATE SLOPE LIMITS
6. SEE F SHEETS FOR LOCATIONS OF NEW BUS STOP LANDINGS
7. ROADWAY (SEE B SHEETS FOR TYPICAL SECTION)
8. LIMITS OF EXCAVATION
9. REGRADE AND RECOMPACT EXISTING BASE COURSE
10. SHELTER TO BE INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT
11. 12" SELECTED MATERIAL, TYPE B



PLAN



STORM DRAIN TRENCH
NTS



SECTION A-A

BUS STOP SHELTER PAD DETAIL
NTS

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

Jim Bergan 12/16/25

Signature Date

PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
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STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

DETAILS

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 7/15/2022 12:21 | LAYOUT E2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
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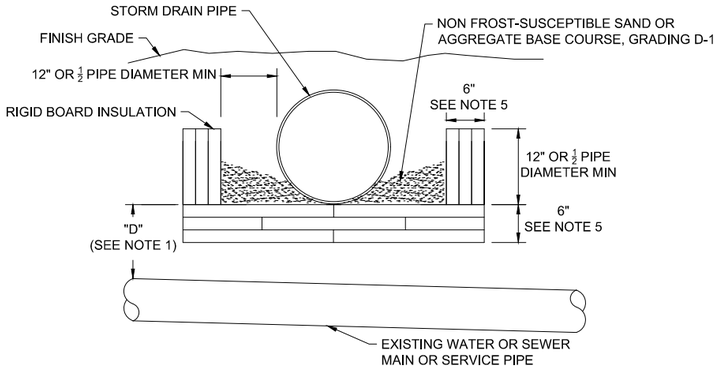
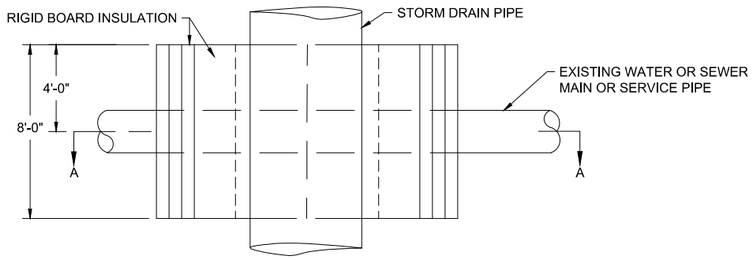


SECTION A-A

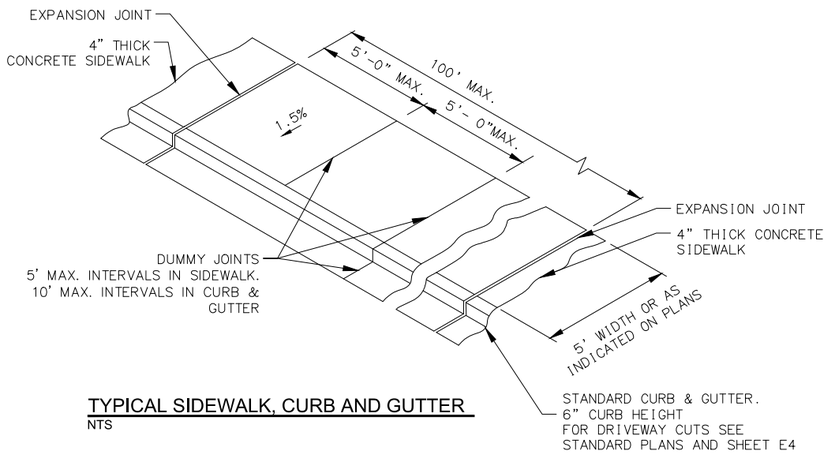


PLAN

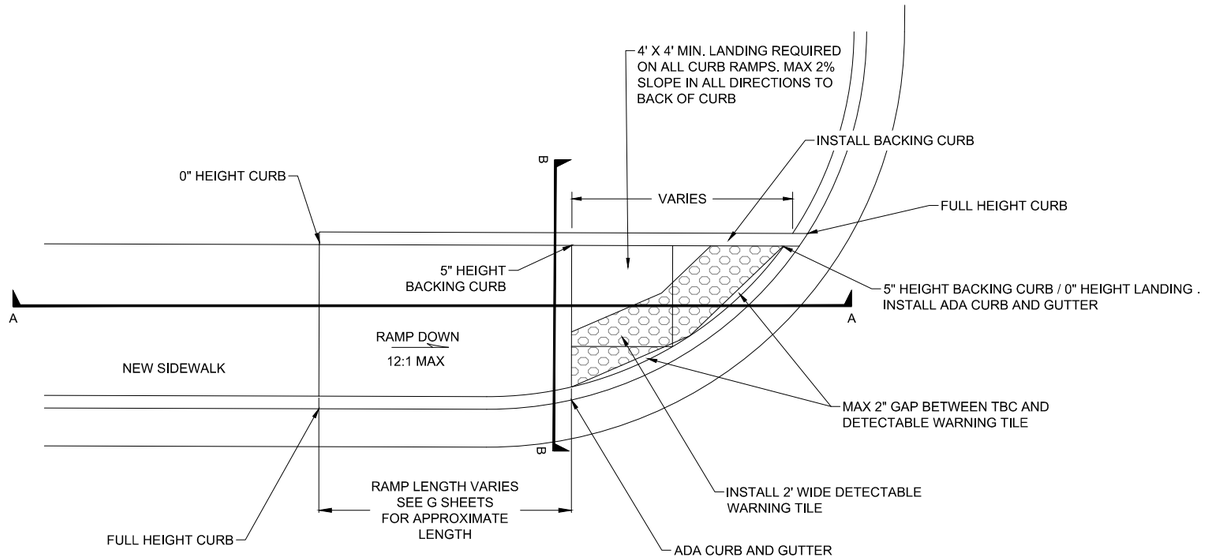
RIGID INSULATION DETAIL
NTS

NOTES:

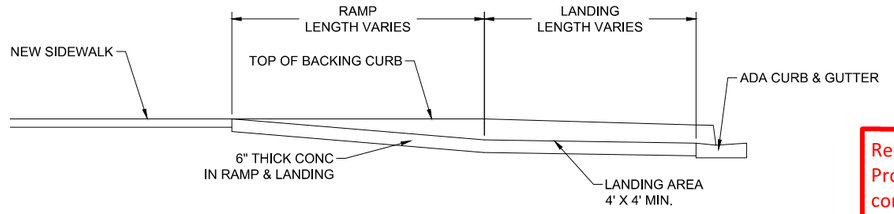
1. INSTALL INSULATION AS SHOWN WHEN "D" IS LESS THAN 3'-0" FOR WATER PIPE OR 18" FOR SEWER PIPE.
2. INSULATION SHALL CONFORM TO SECTION 635 OF THE STANDARD SPECIFICATIONS.
3. PIPE INSULATION SHALL BE 8'-0" IN LENGTH, CENTERED OVER EXISTING WATER OR SEWER PIPE.
4. PIPE INSULATION WITH R-FACTOR EQUAL TO RIGID BOARD MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.
5. CROSSING SHALL BE PROTECTED WITH A MINIMUM 6" OF INSULATION BOARDS WITH A 12" OVERLAP AS SHOWN.



TYPICAL SIDEWALK, CURB AND GUTTER
NTS



PLAN
NTS

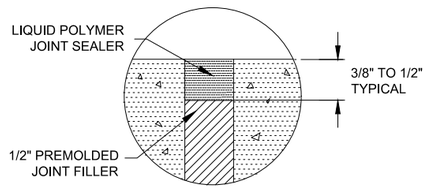


SECTION A-A
NTS

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

Jim Bergan 12/16/25

Signature Date



EXPANSION JOINT DETAIL
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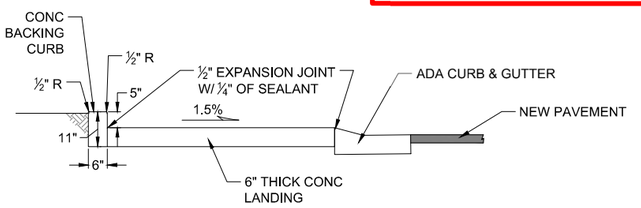

SECTION B-B
NTS

ADA CURB RAMP WITH BACKING CURB DETAIL
NTS

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Dec 28, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

DETAILS

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
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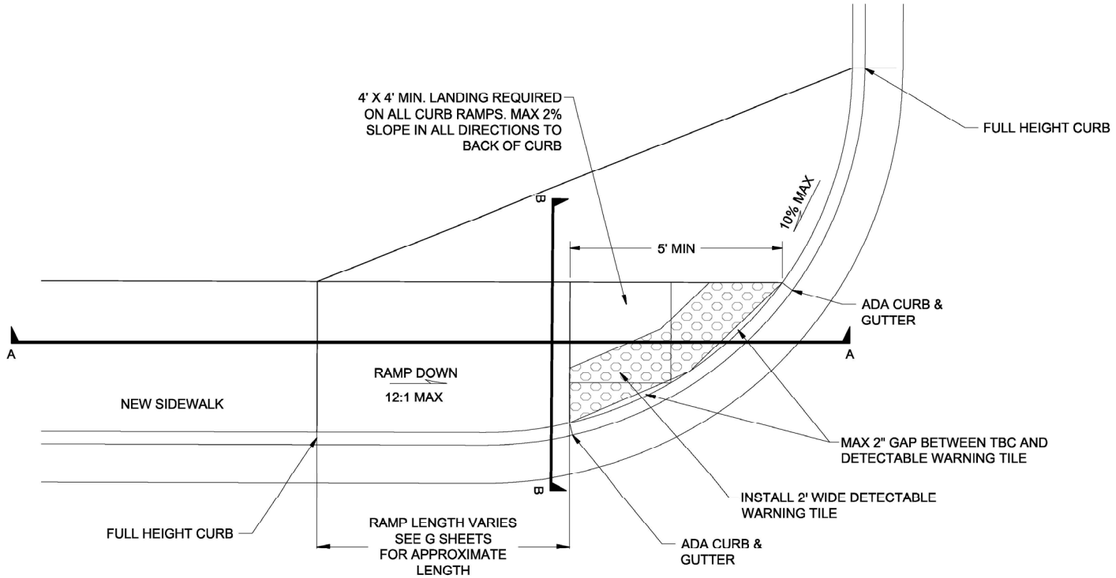
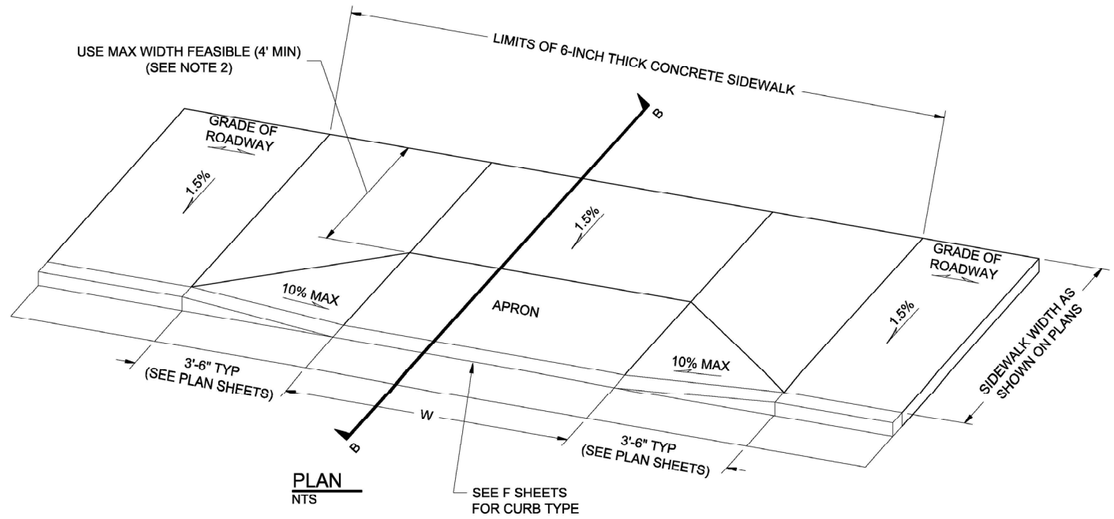


PLAN
NTS



PLAN
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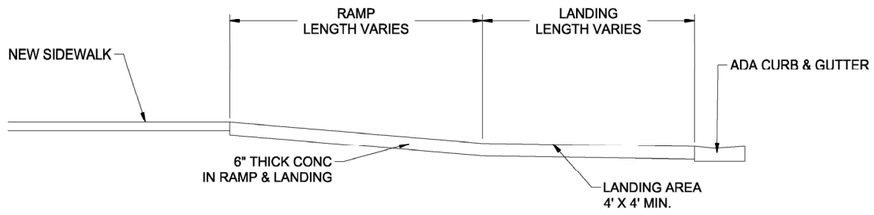
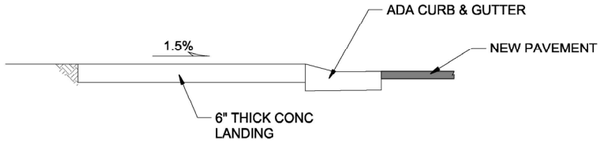
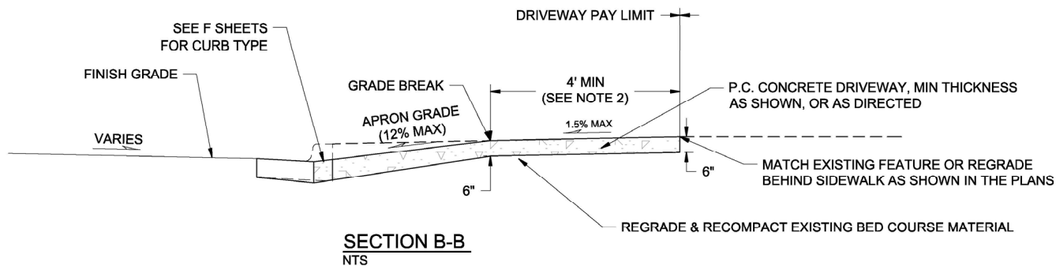


SECTION A-A
NTS



SECTION B-B
NTS

ADA CURB RAMP DETAIL
NTS



SECTION B-B
NTS

MODIFIED DRIVEWAY CURB CUT DETAIL
NTS

NOTES:

1. THE FOLLOWING DIMENSIONS ARE AS SHOWN ON PLANS, OR AS DIRECTED: DRIVEWAY WIDTH, DRIVEWAY SLOPE, SIDEWALK WIDTH, CURB EXPOSURE, AND DRIVEWAY LIP EXPOSURE. SEE PROJECT PLANS FOR DETAILS NOT SHOWN.
2. A 4' MIN UNOBSTRUCTED CLEAR PASSAGE WITH CROSS SLOPE 1.5% (MAX 2% FINISHED SURFACE SLOPE) IS REQUIRED BEHIND DRIVEWAY APRON.
3. CONSTRUCT FULL DEPTH EXPANSION JOINTS WITH 1/2" PREFORMED JOINT FILLER AT ENDS OF EACH DRIVEWAY. TOOLED JOINTS ARE REQUIRED AT ALL DRIVEWAY SLOPE BREAK LINES.

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

DETAILS

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 7/15/2022 12:21 | LAYOUT E4 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
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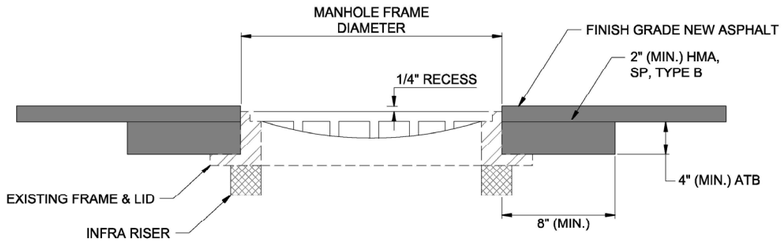
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	E5	E7



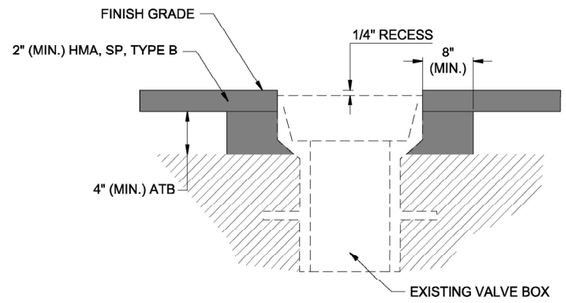
ADJUSTMENT NOTES:

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

CONSTRUCTION SEQUENCING NOTES:

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

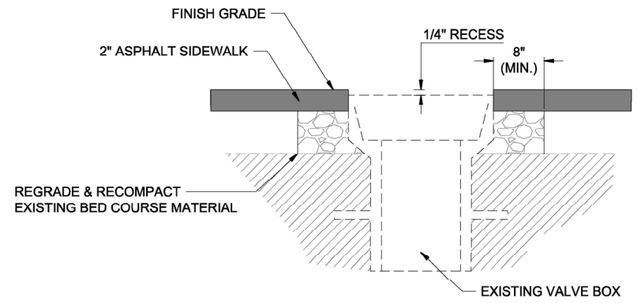
SANITARY SEWER MANHOLE DETAIL IN ROADWAY
NTS



* MATCH ROADWAY CROSS SLOPE

VALVE BOX ADJUSTMENT DETAIL IN ROADWAY
NTS

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

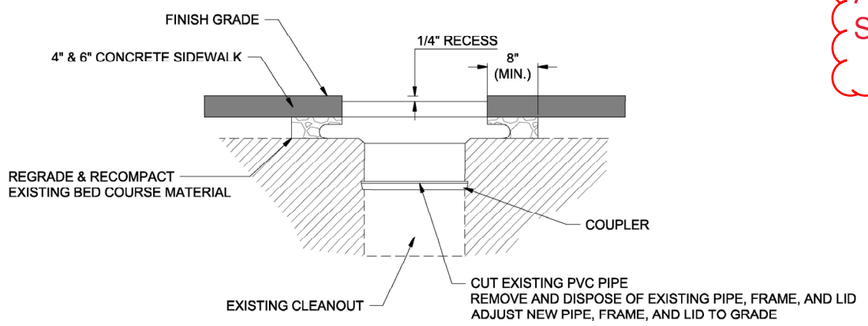


* MATCH SIDEWALK CROSS SLOPE

VALVE BOX ADJUSTMENT DETAIL IN ASPHALT SIDEWALK
NTS

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

Added detail for concrete collars.
See Change Order 16.



* MATCH SIDEWALK CROSS SLOPE

SANITARY SEWER CLEANOUT ADJUSTMENT
NTS

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

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

Jim Bergan 12/16/25

Signature Date

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

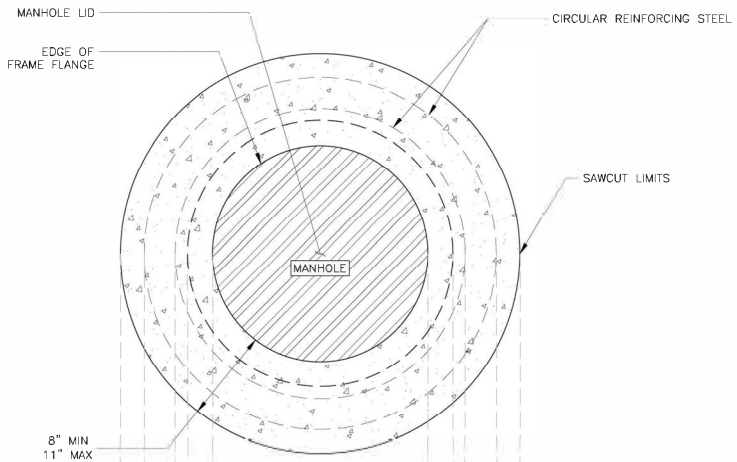
STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

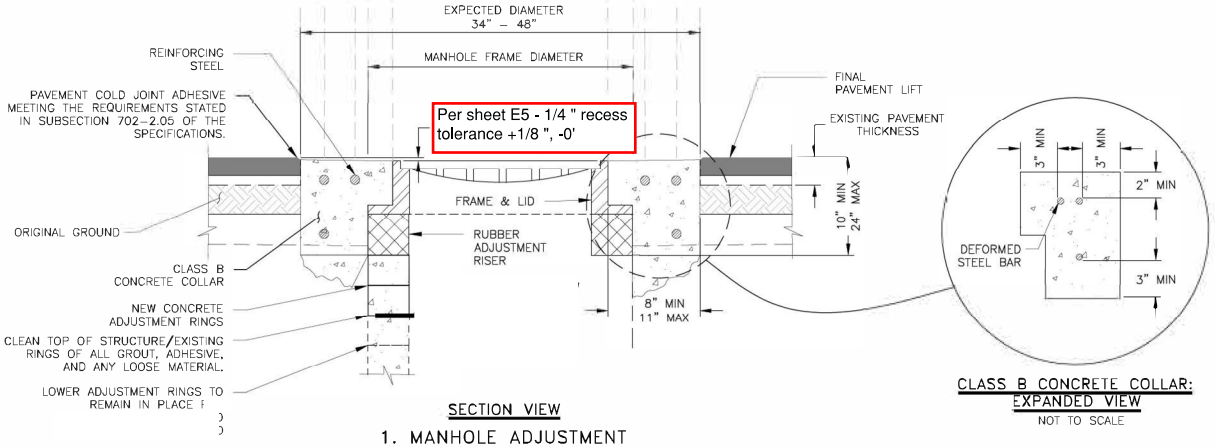
JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

DETAILS

FIRM DOWL
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
PHONE (907) 780-3533
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-DT-E-70897.dwg
DESIGNED STEPHENS
DRAFTED LAFAVOUR
CHECKED NOBLE
DATE 7/15/2022 12:21
LAYOUT E5
CERTIFICATE OF AUTH #: AECL848



PLAN VIEW



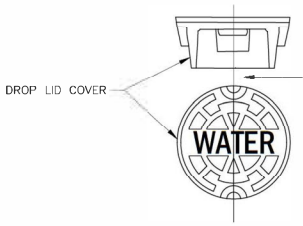
SECTION VIEW

CLASS B CONCRETE COLLAR: EXPANDED VIEW

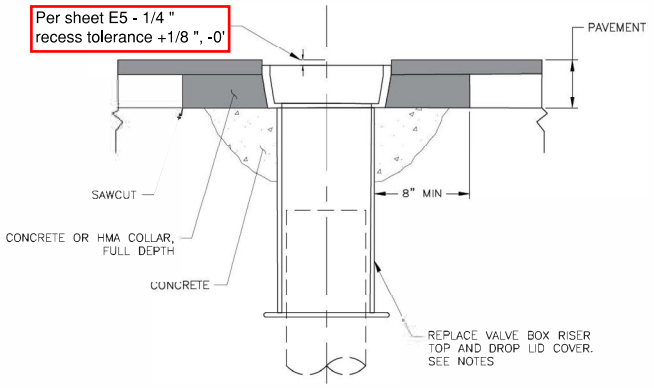
NOT TO SCALE

1. MANHOLE ADJUSTMENT

NOT TO SCALE



PLAN VIEW



SECTION VIEW

2. VALVE BOX ADJUSTMENT

NOT TO SCALE

NOTE:

VALVE BOX SHALL BE AT THE CENTER OF THE CIRCULAR SAWCUT.

Change Order 16

MANHOLE ADJUSTMENT NOTES:

1. MANHOLE SHALL BE AT THE CENTER OF THE CIRCULAR SAWCUT.
2. RECESS OUTSIDE EDGE OF CONCRETE COLLAR 1/8" AND SLOPE TOWARDS MANHOLE.
3. MAKE EDGE BETWEEN CONCRETE COLLAR AND FRAME FLUSH.
4. USE GRADE 60 STEEL.
5. USE #4 DEFORMED BARS FOR EXCAVATIONS LESS THAN 17 INCHES.
6. USE #5 DEFORMED BARS FOR EXCAVATIONS BETWEEN 17 INCHES AND 24 INCHES.
7. CONCRETE EXTENDS FULL DEPTH OF EXCAVATION.
8. MAKE EXCAVATION VERTICAL PRIOR TO POURING COLLAR.
9. INSTALLING STEEL PLATE OVER MANHOLE OPENING AS A TEMPORARY MEASURE IS ALLOWED.
10. SEE SECTION 604 IN THE SPECIFICATIONS FOR GRADE RINGS.

ADJUST EXISTING MANHOLE

STATION	MEASURED EXISTING RISER DEPTH TO BE REPLACED	REMARKS
21+18	7 INCHES - SEE NOTE 1	REMOVE AND REPLACE ALL RISERS TO THE STRUCTURE CONE.
24+72	5 INCHES - SEE NOTE 1	REMOVE AND REPLACE ALL RISERS TO THE STRUCTURE CONE.
27+87	12 INCHES - SEE NOTE 2	REMOVE AND REPLACE ALL RISERS BETWEEN THE TOP LADDER RUNG AND THE FRAME. LEAVE THE LOWER RISER RINGS IN PLACE. REMOUNT LADDER RUNG.
28+70	13 INCHES - SEE NOTE 2	REMOVE ALL BRICKS BUT LEAVE THE LOWER RISER RINGS IN PLACE. INSTALL NEW LADDER RUNG.
32+05	11 INCHES - SEE NOTE 1	REMOVE AND REPLACE ALL RISERS TO THE STRUCTURE CONE.

NOTES:

1. EXISTING RISER DEPTH HAS BEEN MEASURED FROM BOTTOM OF FRAME TO TOP OF CONE.
2. REMOVE RISER RINGS ONLY TO THE DEPTH SHOWN. DO NOT REMOVE ALL RISER RINGS DOWN TO THE CONE.

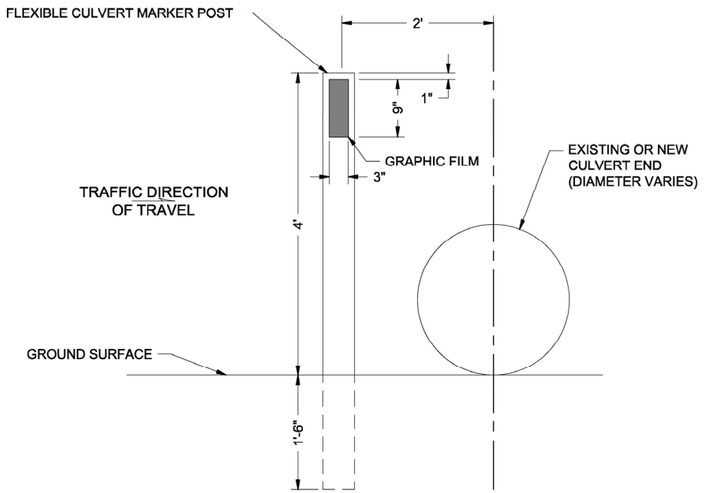
STATE OF ALASKA 49TH KIRK MILLER CE 8550 6/23/2022 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
3860 GLACIER HWY, JUNEAU, AK 99801
(907) 465-1763

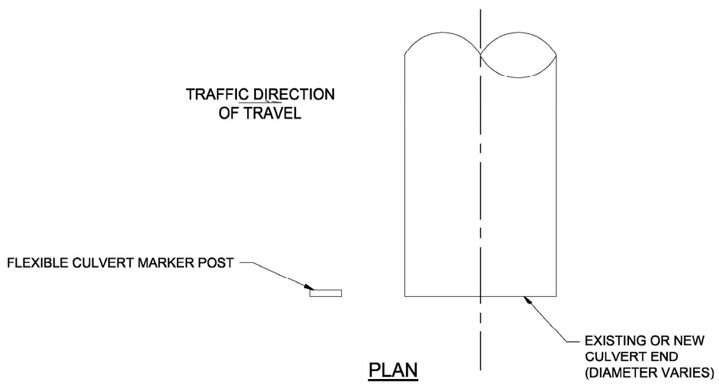
JNU FRANKLIN AND THANE RESURFACING:
TRAM PARKING LOT TO MT ROBERTS ST

DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	E6	E7



ELEVATION

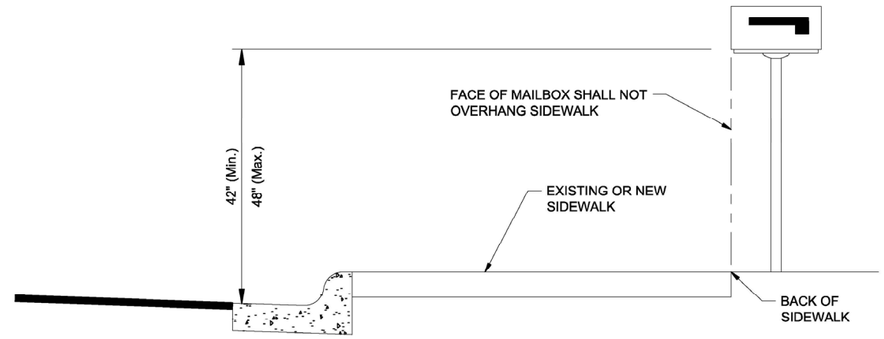


PLAN

NOTES:

1. FLEXIBLE CULVERT MARKER POSTS SHALL BE WHITE, FIBERGLASS COMPOSITE.
2. A 3" BY 9" STRIP OF BLACK 2-MIL GRAPHIC FILM SHALL BE AFFIXED TO EACH SIDE OF THE POST AS SHOWN IN THE FLEXIBLE MARKER POST DETAIL DRAWING. THE MATERIALS HALL BE CENTERED WITHIN THE WIDTH OF THE POST. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION
.
3. SEE D SHEETS FOR LOCATIONS OF NEW FLEXIBLE CULVERT MARKER POSTS

FLEXIBLE CULVERT MARKER POST DETAIL
NTS



METAL MAILBOX POST (URBAN) INSTALLATION
SINGLE OR DOUBLE BOX
NTS

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

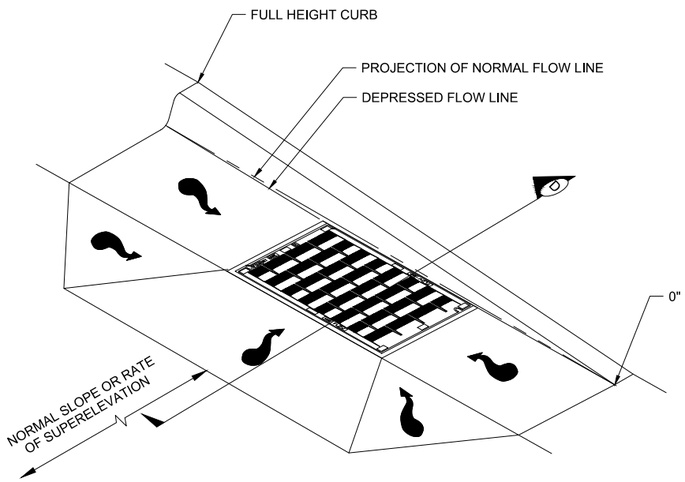
DETAILS

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-DT-E-70897.dwg | DATE 7/15/2022 12:21 | LAYOUT E6 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

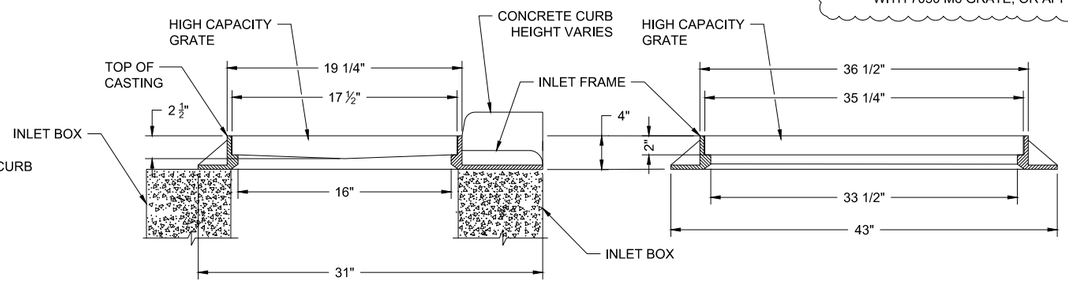
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
⚠	12/27/2022	ADDENDUM 2	ALASKA	SFHWY00315/958032	2022	E7	E7

NOTES:

1. DETAILS SHOWN ARE TO INDICATE GENERAL DESIGN ONLY. DIMENSIONS AND DESIGN MAY VARY AMONG MANUFACTURERS.
2. MINIMUM CASTING WEIGHT SHALL BE 150 LBS FOR INLET GRATE
3. ALL GRATES SHALL BE INTERCHANGEABLE.
4. FRAME AND GRATE SHALL BE NEENAH FOUNDRY R-3067-C WITH GRATE TYPE L, EJ 7030Z2 FRAME WITH 7030 M6 GRATE, OR APPROVED EQUAL



HIGH CAPACITY CURB INLET DETAIL
NTS



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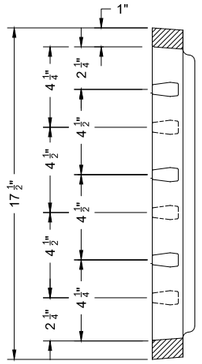

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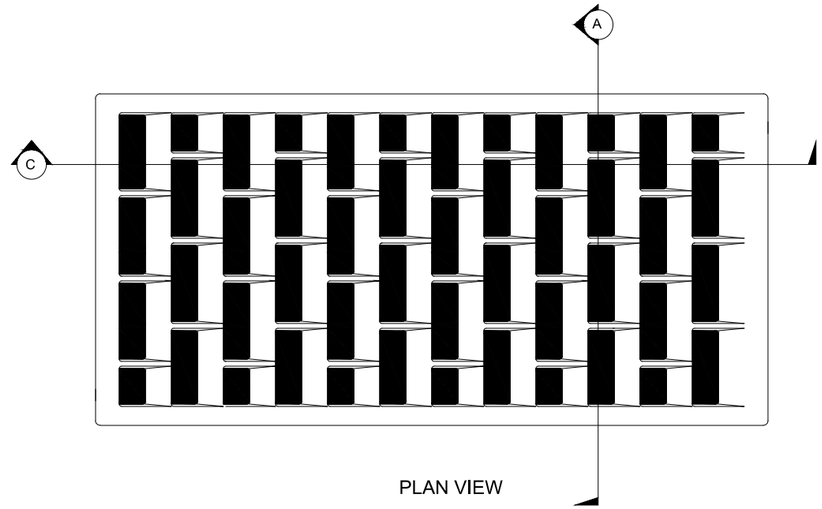

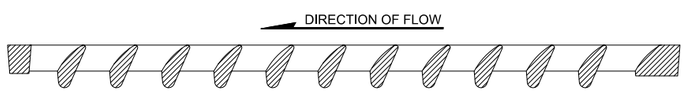

SECTION (C)

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

Jim Bergan 12/16/25

Signature Date

PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
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PHONE 907-780-3533
#AECL848

STATE OF ALASKA
49 TH
Ryan A. Stephens
Apr 03, 2023
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

DETAILS

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
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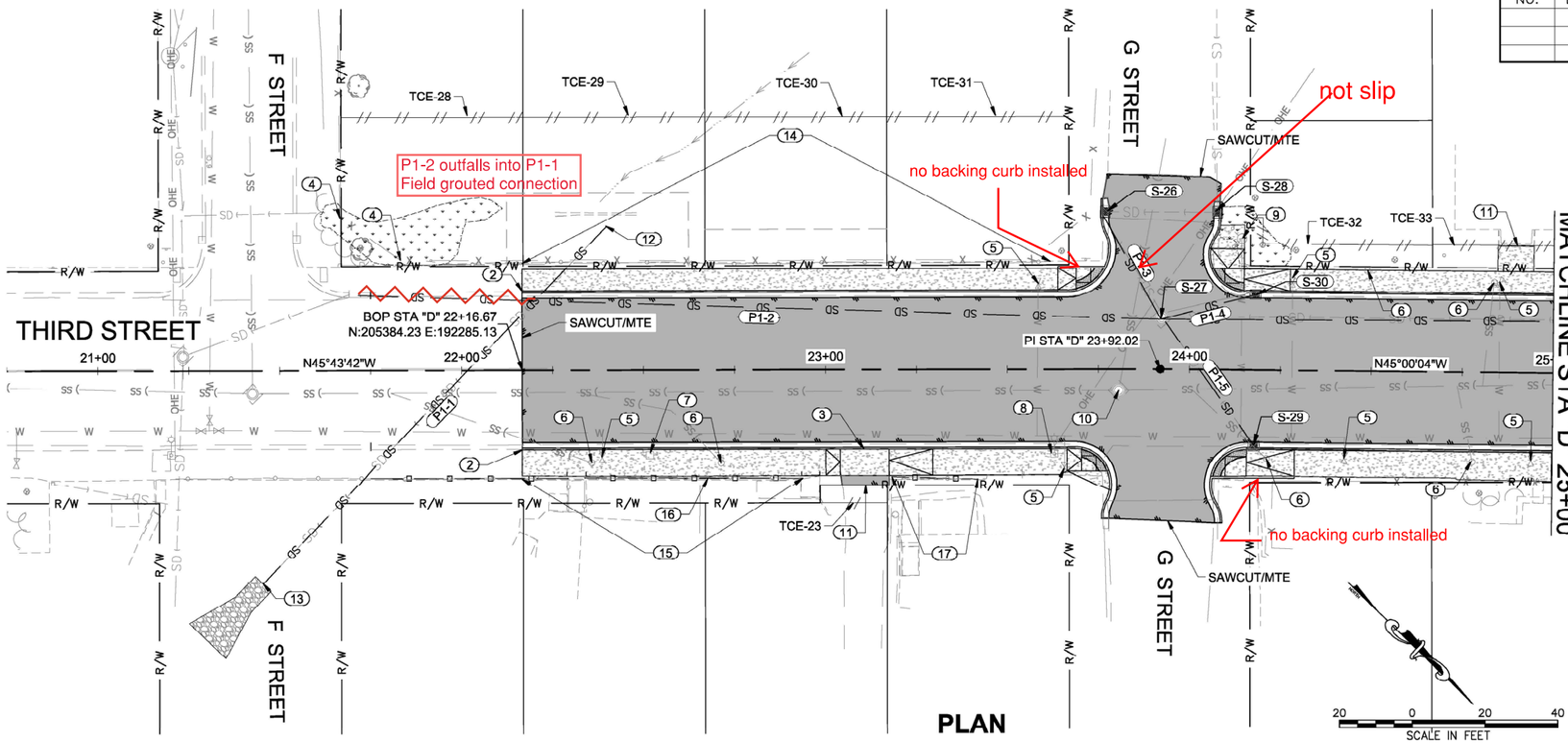
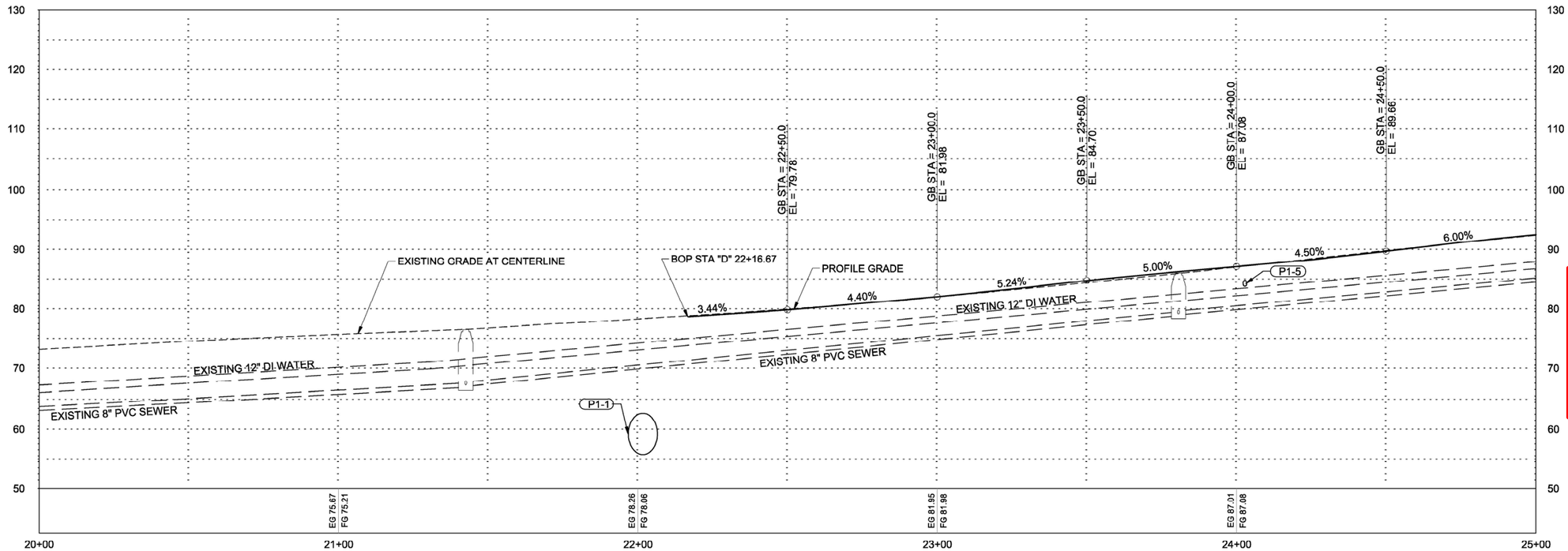
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	F1	F18



PLAN

PLAN NOTES (X):

1. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING
2. STA "D" 22+16.67 LT/RT. BEGIN REPLACE STANDARD CURB AND GUTTER. BEGIN REPLACE CONCRETE SIDEWALK, 4" THICK
3. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
4. STA "D" 21+67 TO STA "D" 21+83. REMOVE EXISTING CHAIN-LINK FENCE BETWEEN CORNER POSTS TO ACCESS AND MAKE REPAIRS TO P1-1. REMOVE AND DISPOSE OF EXISTING TREE AT FENCE LINE AS NEEDED
5. REMOVE AND REPLACE WATER VALVE BOX AND LID
6. ADJUST SEWER CLEANOUT TO GRADE
7. PRESERVE AND PROTECT EXISTING UTILITY POLE
8. PRESERVE AND PROTECT EXISTING LIGHT POLE
9. PRESERVE AND PROTECT EXISTING HYDRANT
10. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
11. MATCH EXISTING
12. CUT HDPE PIPE LINER TO BE FLUSH WITH THE EXISTING CONCRETE HEADWALL. REMOVE AND REINSTALL EXISTING RIPRAP, AS NEEDED, IN THE CREEK TO COMPLETE THE HDPE LINER. TRIM TREES AS NEEDED TO COMPLETE WORK
13. PLACE RIPRAP CLASS 1 AT OUTFALL OF P1-1 FOR APPROXIMATELY 14 FEET TOWARDS THE EXISTING LOG WEIR AND TO BANKS OF THE CHANNEL. FIELD FIT AS DIRECTED BY THE ENGINEER. NO EXCAVATION WILL BE REQUIRED. REMOVE WOODY DEBRIS IN POOL PRIOR TO PLACING RIPRAP. TRIM EXISTING TREES AS NEEDED FOR ACCESS. ACCESS CAN BE MADE FROM 2ND STREET. TOP OF RIPRAP APRON TO REMAIN ABOVE CULVERT INVERT
14. STA "D' 22+16.67 TO STA "D" 23+61.84. REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL.
15. STA "D" 22+16.67 TO STA "D" 22+93.72. REMOVE AND REPLACE EXISTING PIPE HANDRAIL SET IN RETAINING WALL. CUT POSTS FLUSH WITH TOP OF WALL. SEE M SHEETS FOR DETAILS ON CONNECTING NEW PIPE TO WALL
16. REPAIR DAMAGED SECTION OF EXISTING CONCRETE WALL. SEE DETAIL ON M SHEETS
17. STA "D" 23+18.22 TO STA "D" 23+41.81. REMOVE AND REPLACE EXISTING PIPE HANDRAIL SET IN SIDEWALK OVER TOP OF WALL. SEE DETAILS ON M SHEETS FOR CONNECTING NEW PIPE TO SIDEWALK OVER WALL



PROFILE

PROFILE NOTES:

1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE, UNLESS OTHERWISE SHOWN
2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE, UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS. MAX LENGTH OF VERTICAL CURVES SHALL BE 20 FEET.

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

Jim Bergan 12/16/25

Signature Date

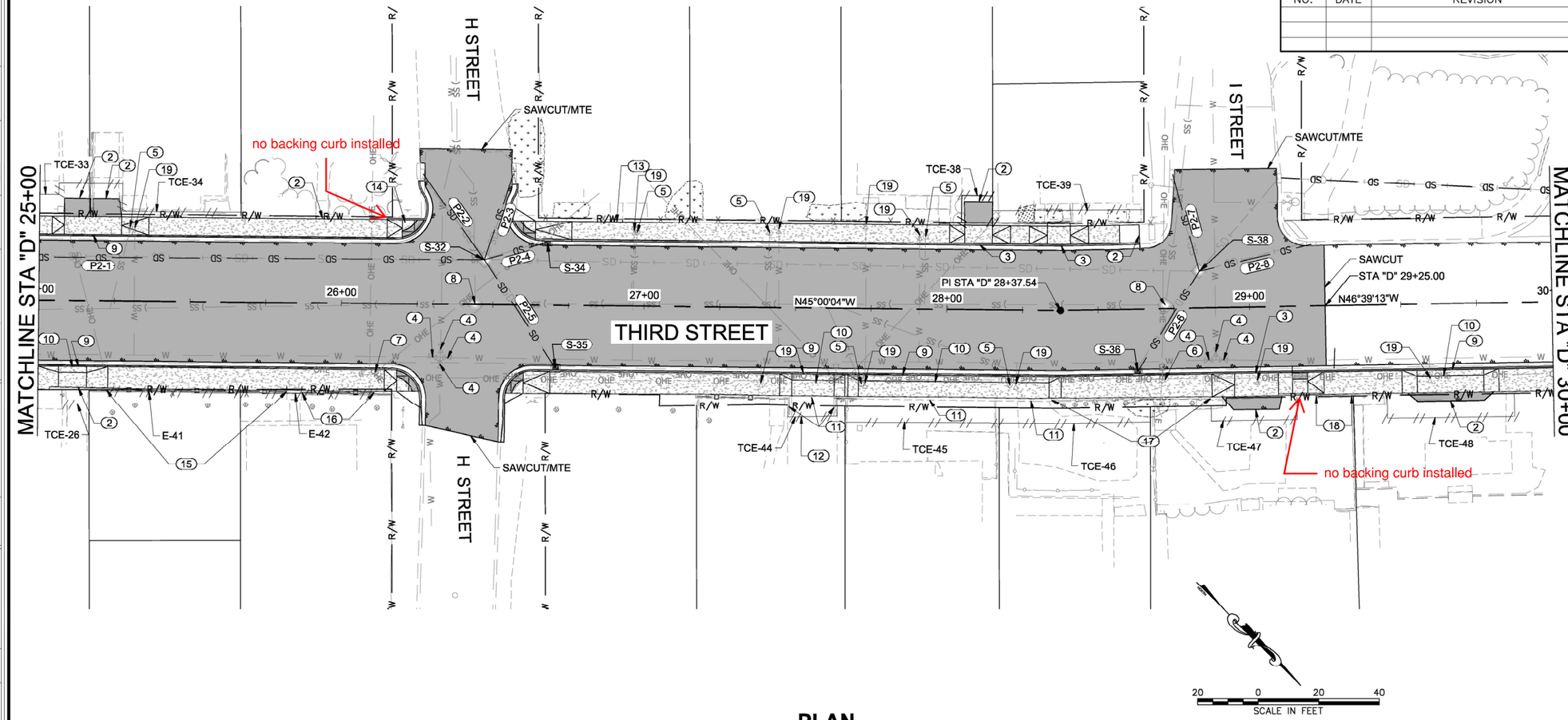
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F_70897.dwg | LAYOUT F1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/14/2022 10:18

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F2	F18

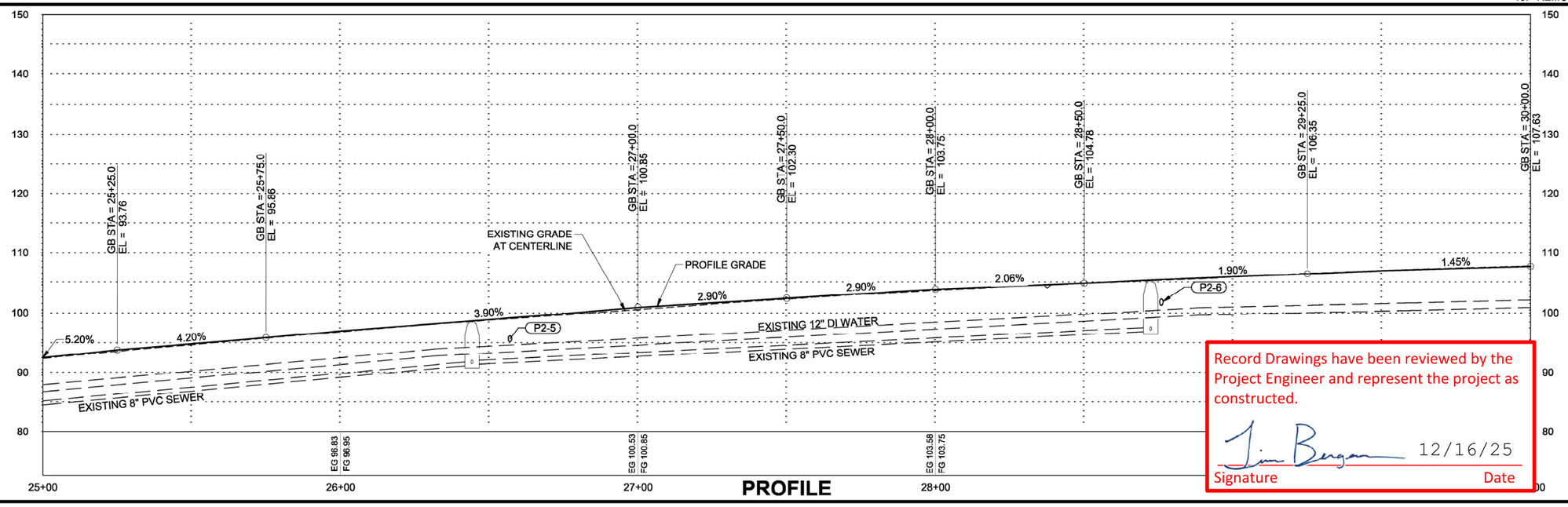


SCALE IN FEET

PLAN

PLAN NOTES (X):

1. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING
2. MATCH EXISTING
3. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
4. ADJUST WATER VALVE BOX TO GRADE
5. ADJUST SEWER CLEANOUT TO GRADE
6. PRESERVE AND PROTECT EXISTING UTILITY POLE
7. PRESERVE AND PROTECT EXISTING LIGHT POLE AND FLASHING SCHOOL ZONE SIGNAL
8. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
9. CONSTRUCT 3" CURB AND GUTTER ACROSS DRIVEWAY
10. CONSTRUCT MODIFIED DRIVEWAY CURB CUT ACROSS DRIVEWAY
11. PRESERVE AND PROTECT EXISTING CONCRETE RETAINING WALLS AND PIPE HANDRAIL. LIMIT CONSTRUCTION ACTIVITIES IN TCE-45 TO HAND TOOLS AND FOOT TRAFFIC ONLY
12. PRESERVE AND PROTECT EXISTING CONCRETE STAIRS
13. MATCH BACK OF SIDEWALK TO BOTTOM OF STEPS
14. REMOVE AND DISPOSE OF EXISTING CLEANOUT FOR UNDERDRAIN. PLUG END OF UNDERDRAIN WITH GROUT
15. STA "D" 25+22.57 TO STA "D" 25+76.74. REMOVE AND REPLACE EXISTING PIPE HANDRAIL SET IN SIDEWALK OVER TOP OF WALL. SEE DETAILS ON M SHEETS FOR CONNECTING NEW PIPE TO SIDEWALK OVER WALL
16. STA "D" 25+87.35 TO STA "D" 26+11.12. REMOVE AND REPLACE EXISTING PIPE HANDRAIL SET IN RETAINING WALL. CUT POSTS FLUSH WITH TOP OF WALL. SEE M SHEETS FOR DETAILS ON CONNECTING NEW PIPE TO WALL. TRIM BUSHES AS NEEDED TO COMPLETE WORK
17. STA "D" 28+35.02 TO STA "D" 28+86.56. REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL SET IN RETAINING WALL. CUT POSTS OR ANY EXISTING EXPOSED PRECUT POSTS FLUSH WITH TOP OF WALL. PRESERVE AND PROTECT EXISTING TREES
18. STA "D" 29+21.56 TO STA "D" 29+33.24. REMOVE AND DISPOSE OF EXISTING PIPE HANDRAIL SET IN RETAINING WALL. CUT POSTS FLUSH WITH TOP OF WALL. EXTEND SIDEWALK WIDTH TO RETAINING WALL
19. REMOVE AND REPLACE WATER VALVE BOX AND LID



PROFILE

PROFILE NOTES:

1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE, UNLESS OTHERWISE SHOWN
2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE, UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS. MAX LENGTH OF VERTICAL CURVES SHALL BE 20 FEET

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

Signature 12/16/25 Date

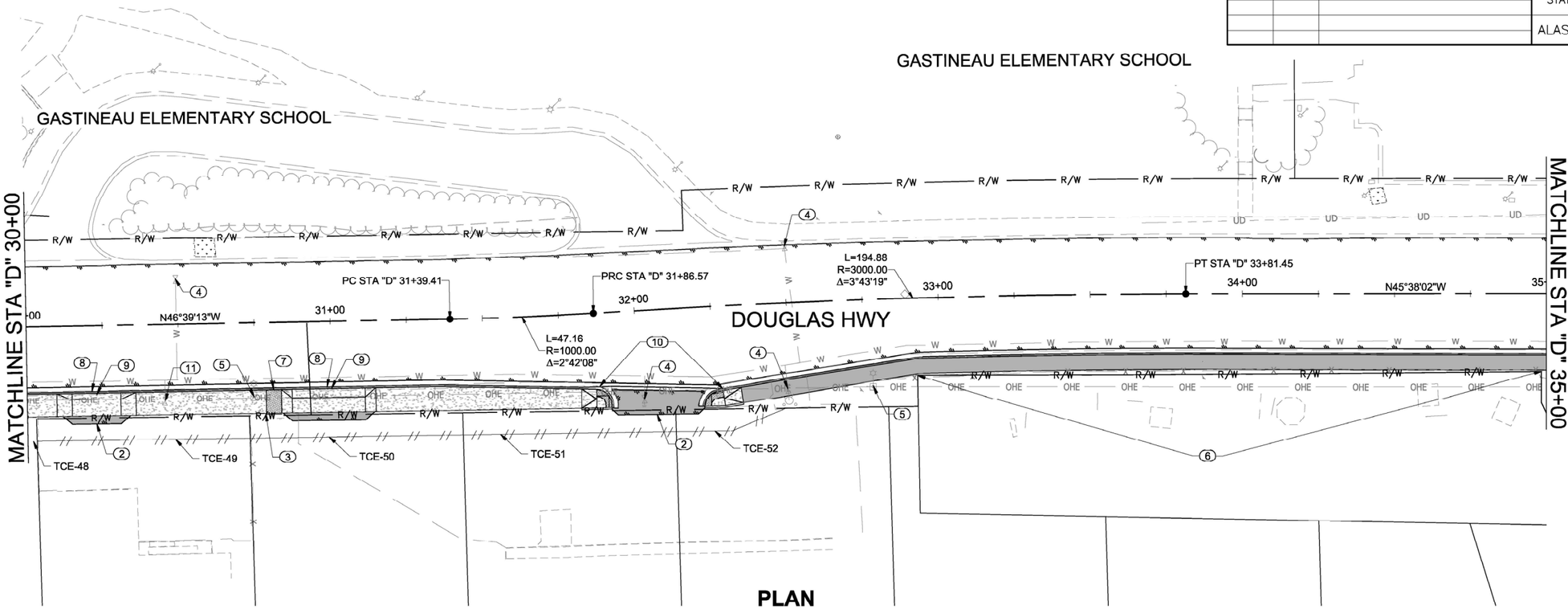
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 7/14/2022 10:18
PHONE (907) 780-3533
LAYOUT F2
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR
CERTIFICATE OF AUTH #: AECL848

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F3	F18



PLAN

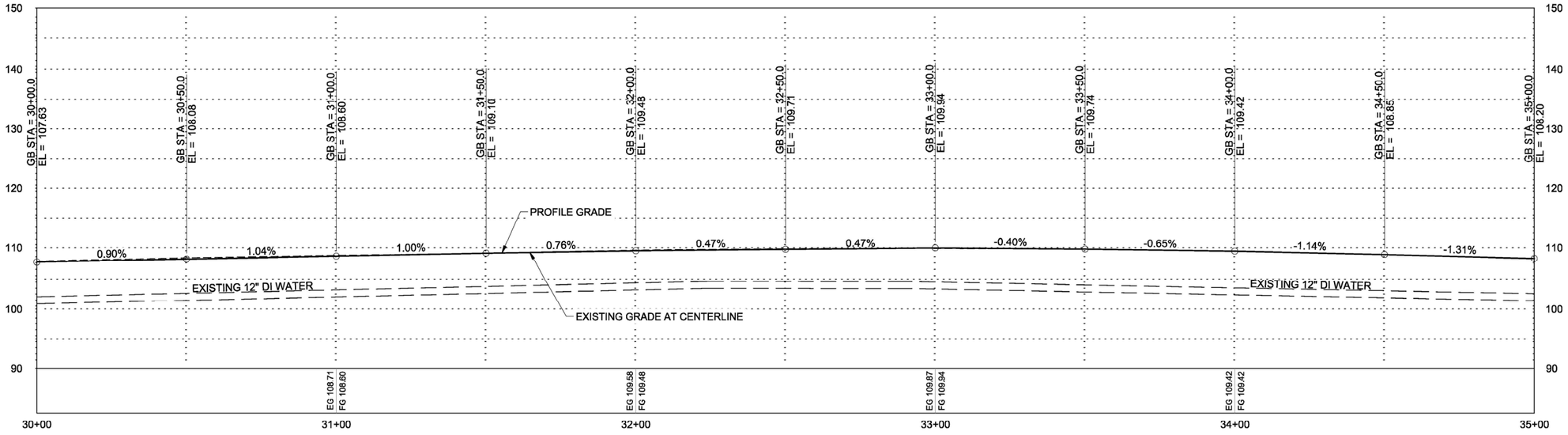
PLAN NOTES ⓧ:

1. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING
2. MATCH EXISTING
3. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE
4. ADJUST WATER VALVE BOX TO GRADE
5. PRESERVE AND PROTECT EXISTING UTILITY POLE
6. PRESERVE AND PROTECT EXISTING WOOD FENCE
7. STA "D" 30+70.CONSTRUCT BUS STOP LANDING. SEE E SHEETS FOR DETAIL
8. CONSTRUCT MODIFIED DRIVEWAY CURB CUT ACROSS DRIVEWAY
9. CONSTRUCT 3-INCH CURB AND GUTTER ACROSS DRIVEWAY
10. STA "D" 31+87 TO STA "D" 32+28. INSTALL GUTTER
11. REMOVE AND REPLACE WATER VALVE BOX AND LID

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

Jim Bergan 12/16/25

Signature Date



PROFILE

PROFILE NOTES:

1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS. MAX LENGTH OF VERTICAL CURVES SHALL BE 20 FEET
4. ABANDONED WATER LINES NOT SHOWN

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
PHONE (907) 780-3533
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg
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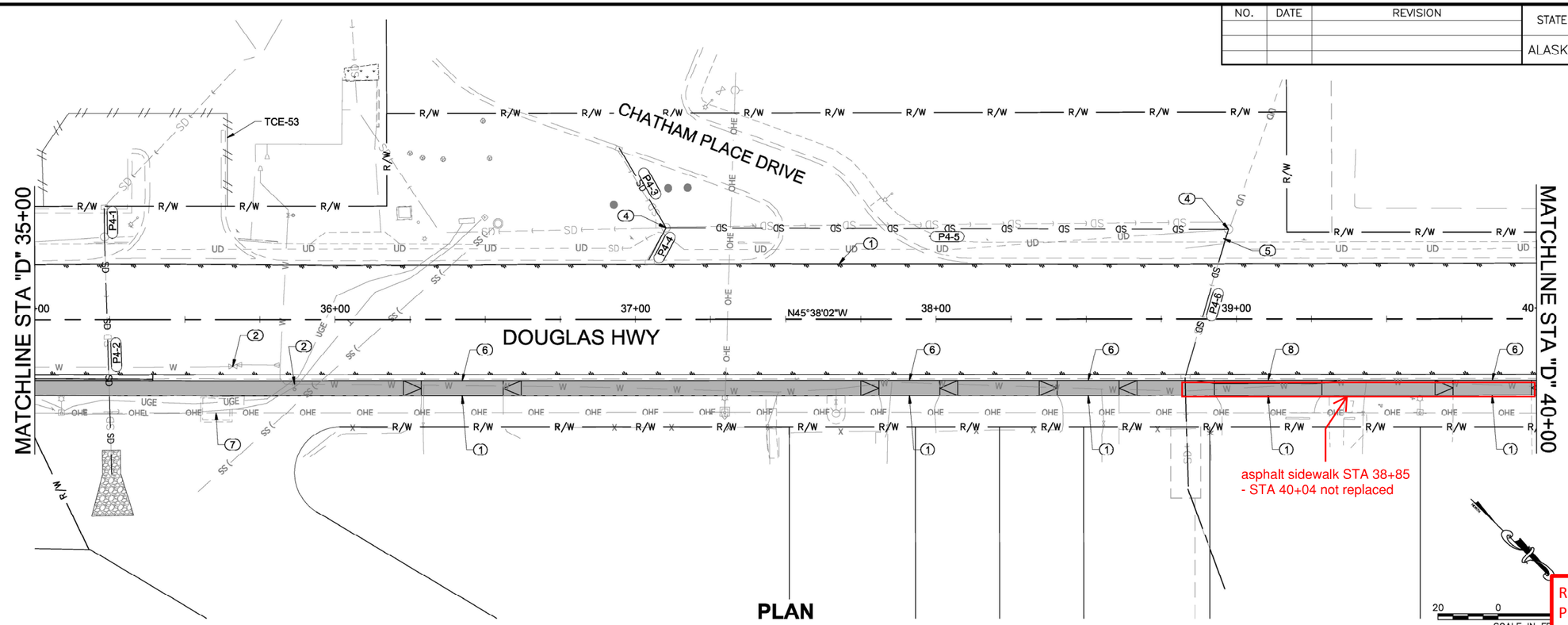
CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848
DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F4	F18



PLAN

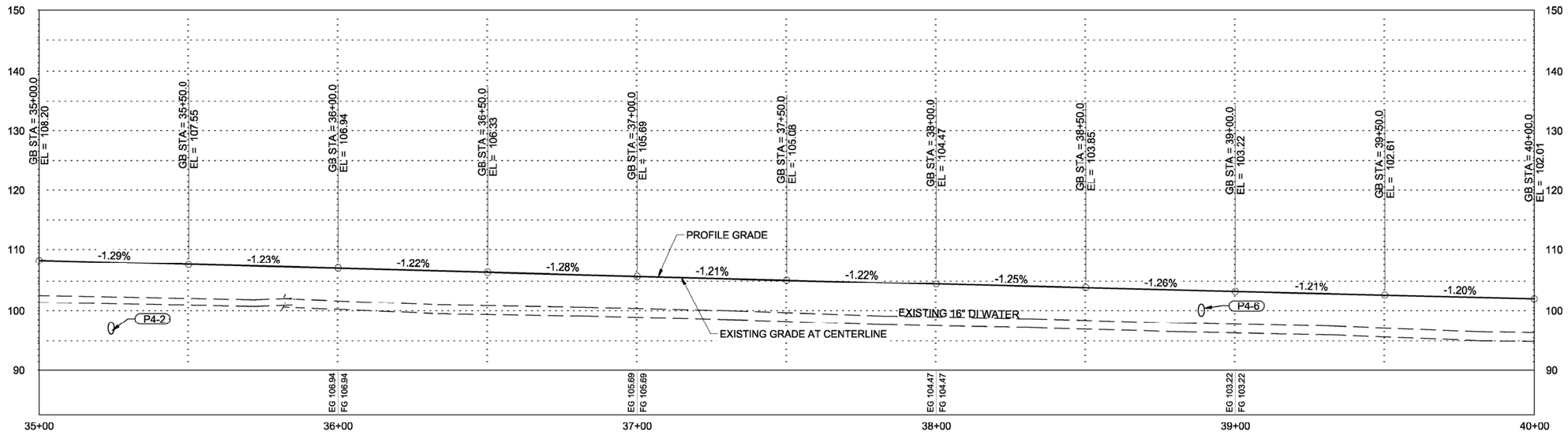
PLAN NOTES (X):

1. MATCH EXISTING
2. ADJUST WATER VALVE BOX TO GRADE
3. USE NATIVE VEGETATION FOR STABILIZATION ON DISTURBED AREAS
4. PRESERVE AND PROTECT EXISTING CORRUGATED METAL PIPE FIELD INLET STRUCTURE. EXISTING STRUCTURE DOES NOT HAVE A LADDER
5. PRESERVE AND PROTECT MONITORING WELL. VERIFY EXACT LOCATION IN FIELD. GRAPHIC NOT IN EXISTING BASE FILE
6. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
7. PRESERVE AND PROTECT BUS SHELTER
8. CONSTRUCT MODIFIED DRIVEWAY CURB CUT ACROSS DRIVEWAY

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

Jim Bergan 12/16/25

Signature Date



PROFILE

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2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
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4. ABANDONED WATER LINES NOT SHOWN

PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
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STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
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FIRM DOWL
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DRAFTED LAFAVOUR
CERTIFICATE OF AUTH #: AECL848

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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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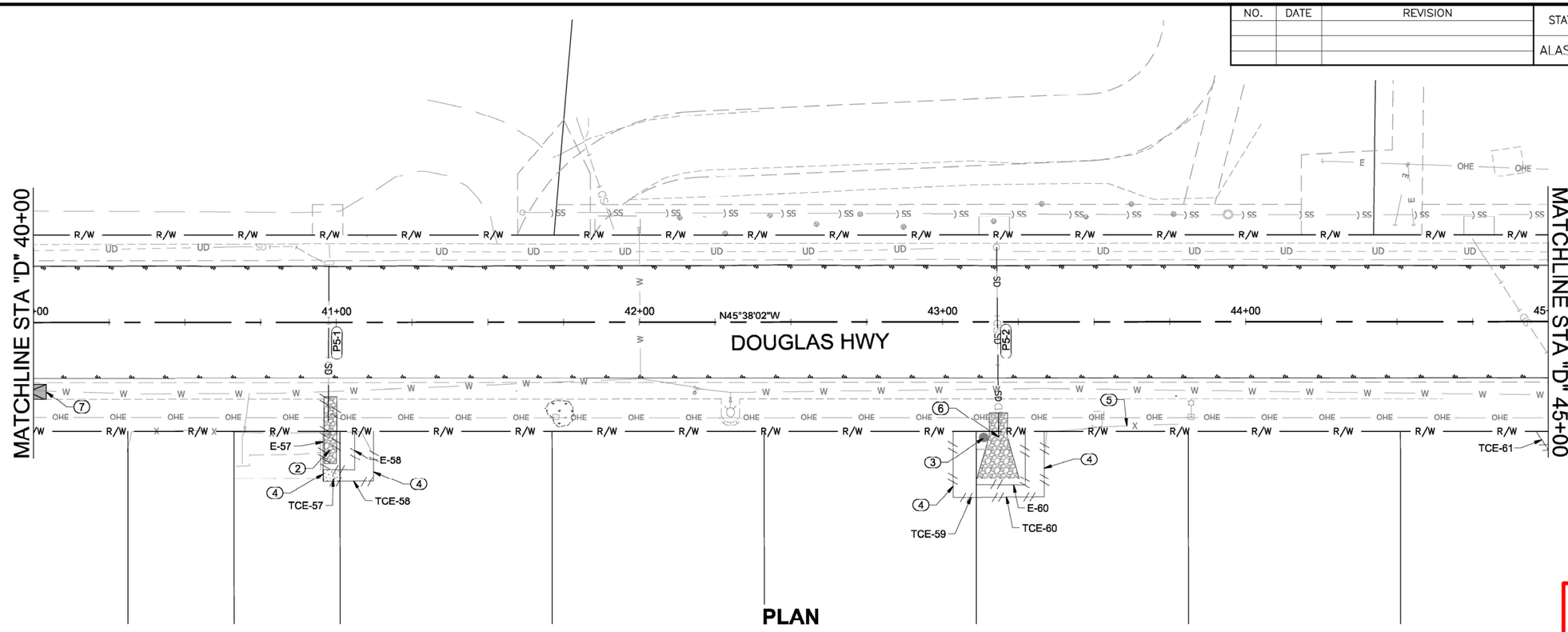


PLAN

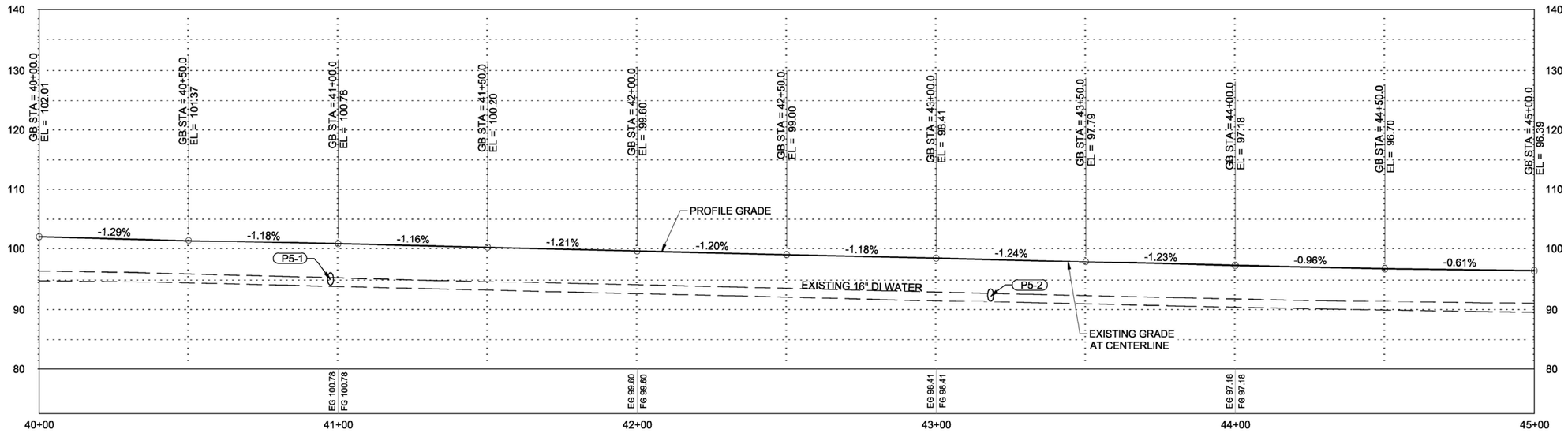
PLAN NOTES (X):

1. REMOVE EXISTING WOOD FENCE AS NEEDED (TWO FENCE PANELS) TO COMPLETE CULVERT AND RIPRAP APRON IMPROVEMENTS
2. SET RIPRAP TO MATCH EXISTING CHANNEL PROFILE AND BANKS. GEOTEXTILE FABRIC AND EXCAVATION FOR RIPRAP NOT NEEDED FOR THIS SITE. PRESERVE AND PROTECT EXISTING PLANTER BOX, RETAINING WALL, ROCKERY, AND VEGETATION ALONG THE CHANNEL BANKS
3. PRESERVE AND PROTECT EXISTING TREE
4. PROVIDE 30-DAY NOTICE TO PROPERTY OWNER PRIOR TO BEGINNING WORK IN THIS AREA
5. PRESERVE AND PROTECT EXISTING WOODEN FENCE
6. CUT AND REMOVE 5' OF EXISTING DAMAGED PIPE AT OUTLET PRIOR TO INSTALLING CIPP
7. MATCH EXISTING

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

Jim Bergan 12/16/25

Signature Date



PROFILE

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4. ABANDONED WATER LINES NOT SHOWN

PLANS DEVELOPED BY:
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9085 GLACIER HWY
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PHONE 907-780-3533
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STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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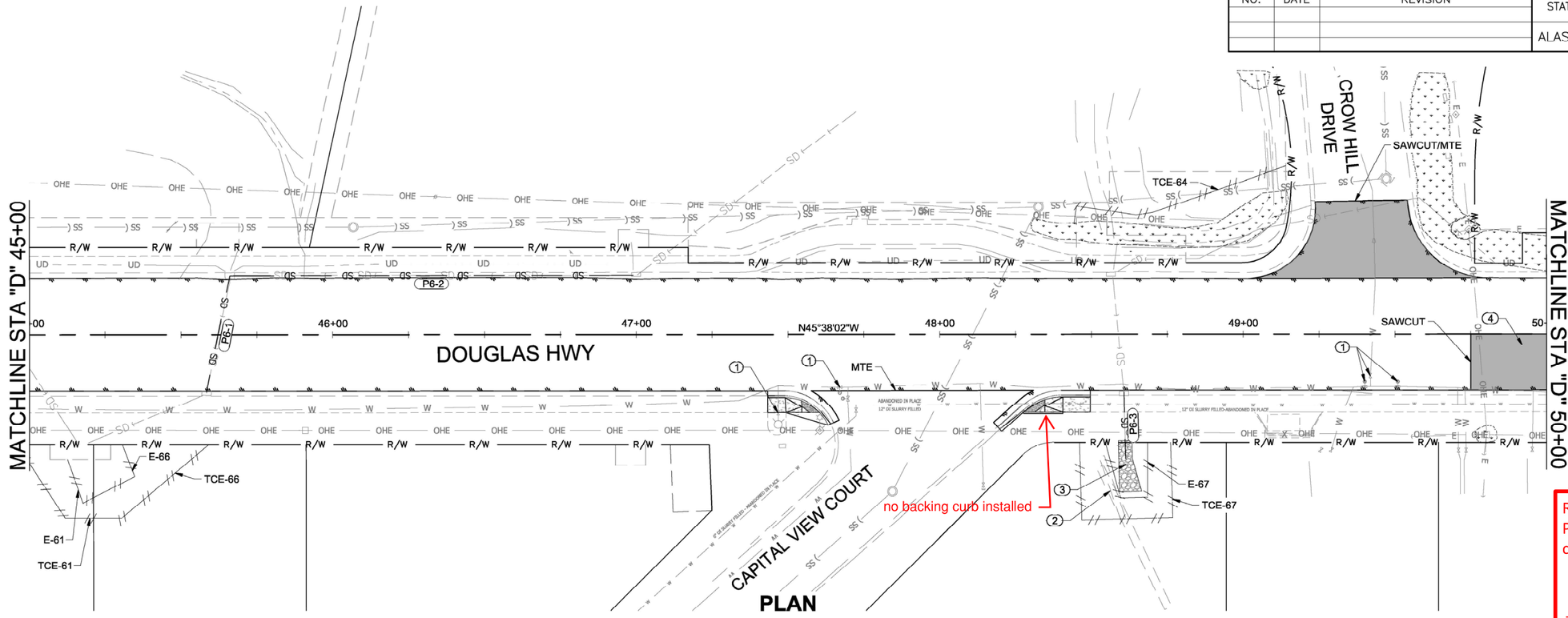


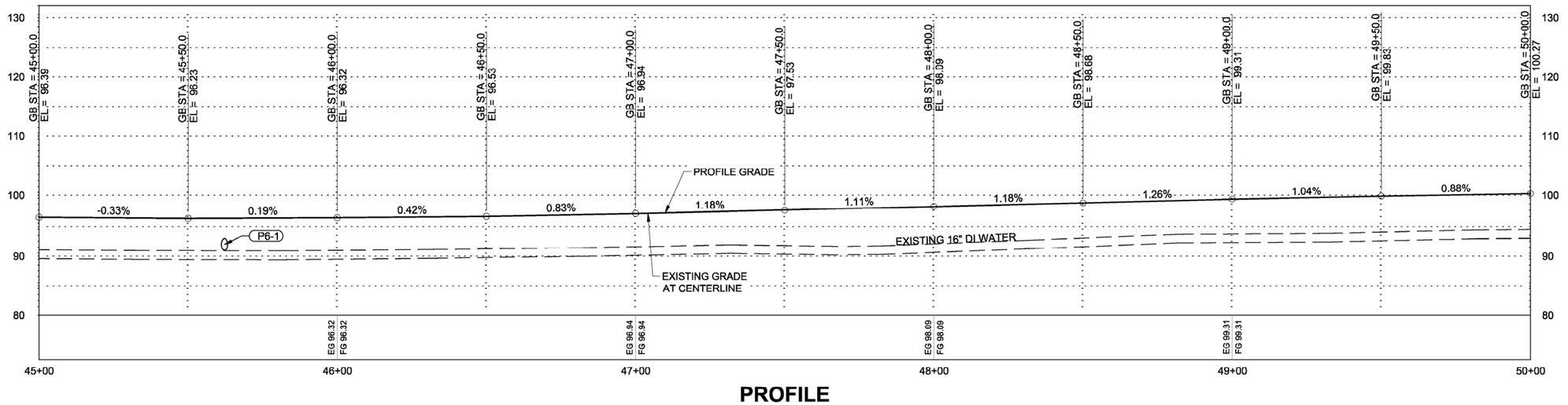
PLAN NOTES (X):

1. ADJUST EXISTING WATER VALVE BOX
2. PRESERVE AND PROTECT EXISTING LOGS
3. INSTALL RIPRAP APRON TO FOLLOW EXISTING CHANNEL ALIGNMENT. SEE E SHEETS FOR OTHER DETAILS. RIPRAP TO BE PLACED OVER EXISTING CHANNEL ROCK
4. STA "D" 49+75 RT TO STA "D" 50+75 RT. REPLACE BASE COURSE AND ASPHALT WITHIN ROADWAY AND SHOULDER. SEE DIGOUT SECTION ON SHEET B1
5. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING

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

Jim Bergan 12/16/25

Signature Date



PROFILE NOTES:

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2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
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4. ABANDONED WATER LINES NOT SHOWN

PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
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STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg | DATE 7/14/2022 10:18 | LAYOUT F6 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

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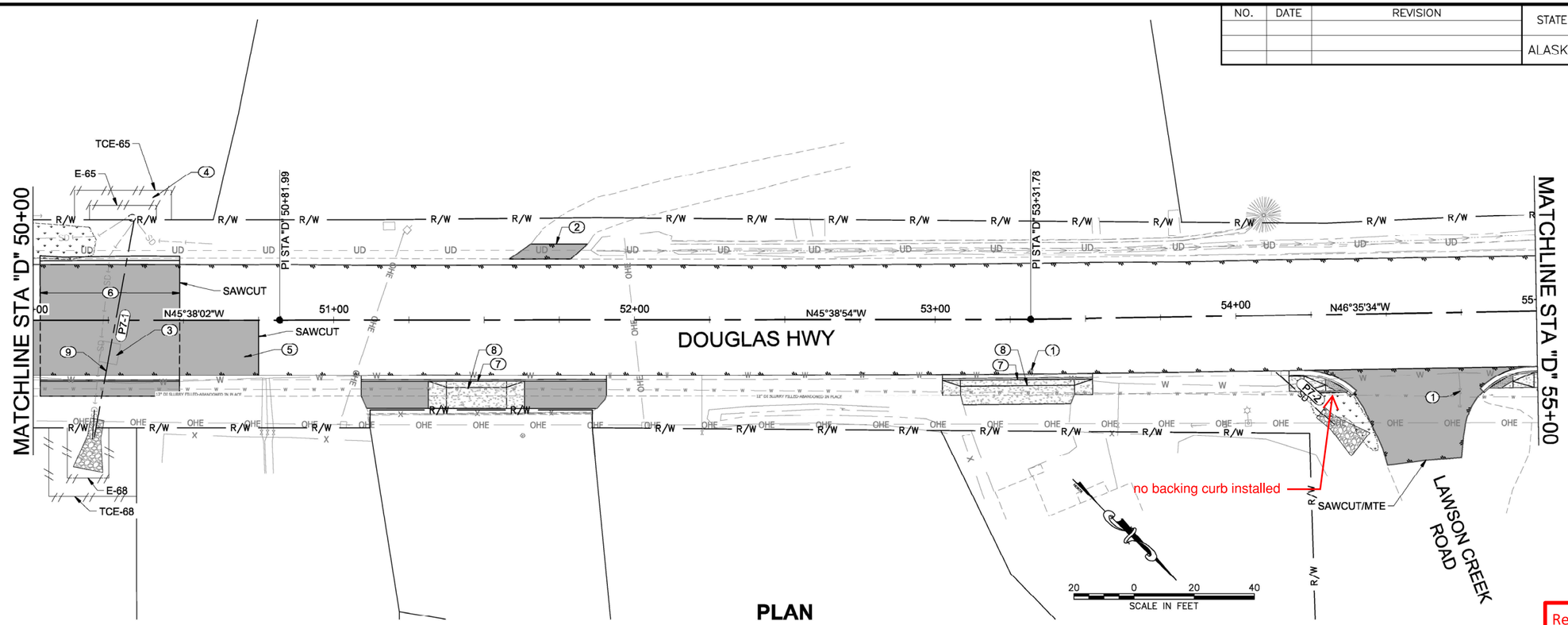


PLAN

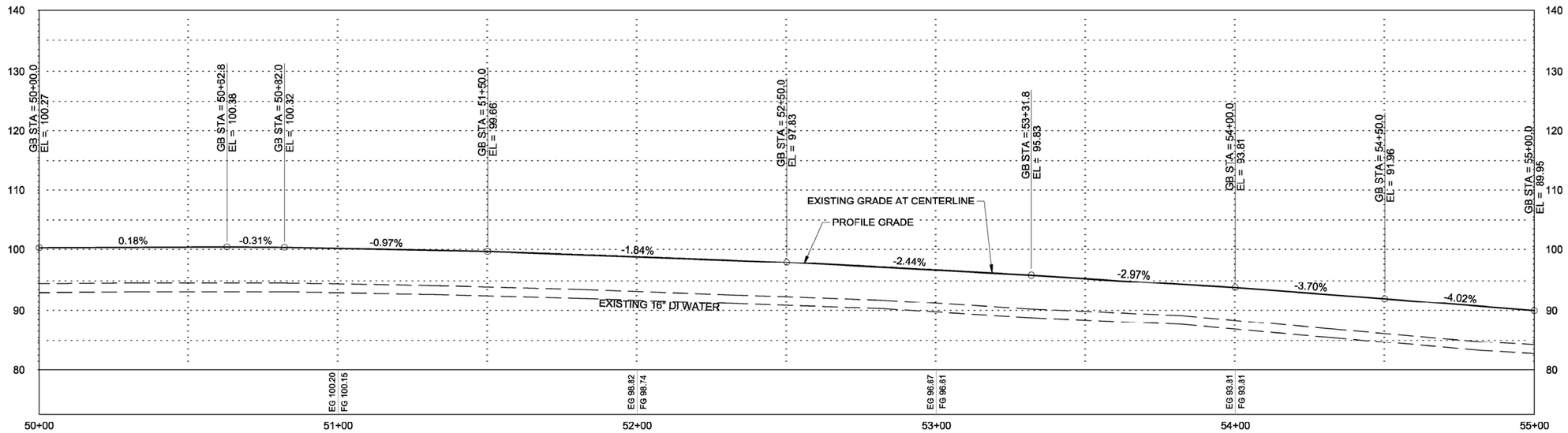
PLAN NOTES (X):

1. ADJUST EXISTING WATER VALVE BOX TO GRADE
2. MATCH EXISTING
3. REMOVE AND DISPOSE OF EXISTING CONCRETE PATCH. AMOUNT OF CONCRETE IS ABOUT 7 CY. REPLACE WITH STORM DRAIN TRENCH DETAIL ON SHEET E2
4. USE NATIVE VEGETATION FOR STABILIZATION ON DISTURBED AREAS
5. STA "D" 49+75 RT TO STA "D" 50+75 RT. REPLACE BASE COURSE AND ASPHALT WITHIN ROADWAY AND SHOULDER. SEE DIGOUT SECTION ON SHEET B1
6. STA "D" 50+02 ± TO STA "D" 50+48 ±. APPROXIMATE LIMITS OF EXCAVATION FOR P7-1 PIPE REPLACEMENT
7. CONSTRUCT 3" CURB AND GUTTER ACROSS DRIVEWAY
8. CONSTRUCT MODIFIED DRIVEWAY CURB CUT ACROSS DRIVEWAY
9. SEE SHEET Q1 FOR DETAILS ON CULVERT REPLACEMENT
10. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING

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

Jim Bergan 12/16/25

Signature Date



PROFILE

PROFILE NOTES:

1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
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4. ABANDONED WATER LINES NOT SHOWN

PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
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PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

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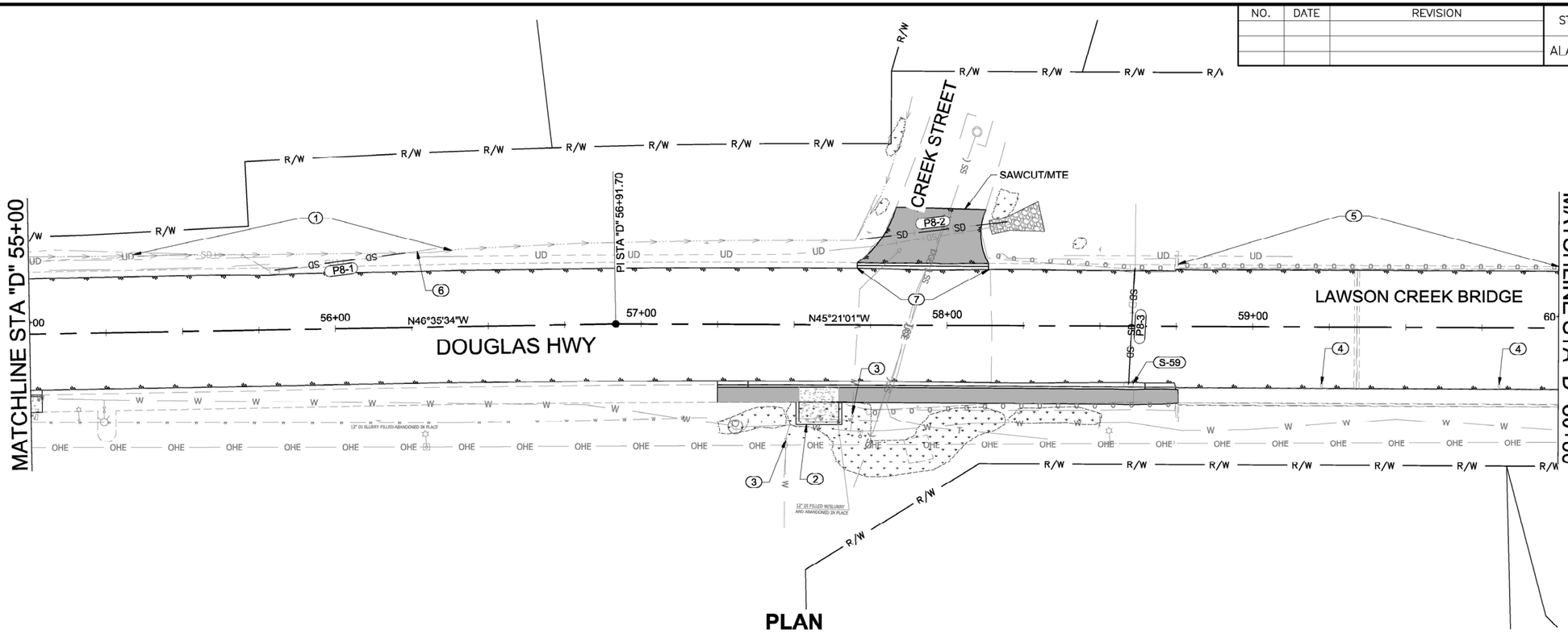
DATE 7/14/2022 10:18 | LAYOUT F7 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg | CERTIFICATE OF AUTH #: AECL848

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F8	F18



PLAN

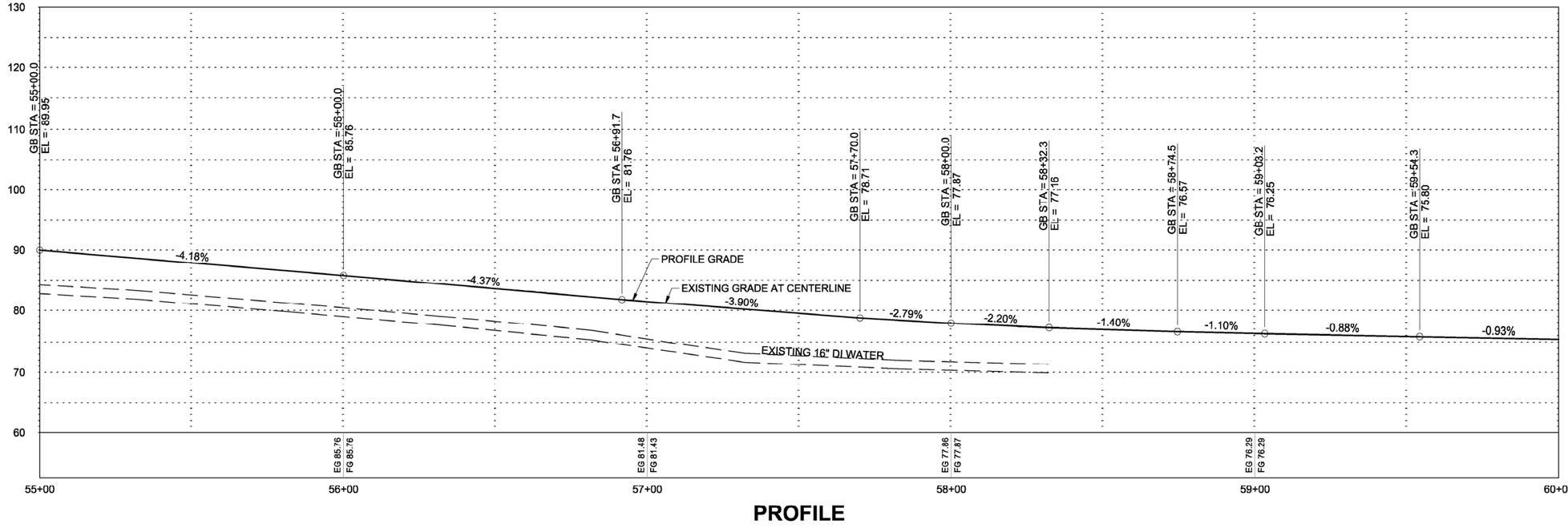
PLAN NOTES (X):

1. REGRADE/CLEAN DITCH TO DRAIN TO CULVERT
2. CONSTRUCT BUS STOP SHELTER PAD. SEE E SHEETS FOR DETAILS
3. ADJUST EXISTING WATER VALVE BOX TO GRADE
4. PRESERVE AND PROTECT EXISTING STORM DRAIN INLET ON BRIDGE DECK
5. PRESERVE AND PROTECT EXISTING SCUPPERS ON BRIDGE DECK. DO NOT BLOCK.
6. PRIOR TO LINING PIPE, CUT BACK EXISTING PIPE 10' ± TO BETTER ALIGN WITH BASE OF DITCH AND PROMOTE PROPER DRAINAGE.
7. STA "D" 57+70 ± LT TO STA "D" 58+14 ± LT. REPLACE GUTTER ADJACENT TO CREEK STREET PAVEMENT REPAIRS. REMOVE AND REPLACE AT NEAREST APPLICABLE EXISTING JOINT ON EACH END
8. SEE G SHEETS FOR INTERSECTION GRADING

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

Jim Bergan 12/16/25

Signature Date



PROFILE

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3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS. MAX LENGTH OF VERTICAL CURVES SHALL BE 20 FEET
4. ABANDONED WATER LINES NOT SHOWN

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM	DOWL
FILE	\\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase 1\Civil\SC-CT-PP-F-70897.dwg

ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848
DATE	7/14/2022 10:18	DESIGNED	STEPHENS	CHECKED	NOBLE
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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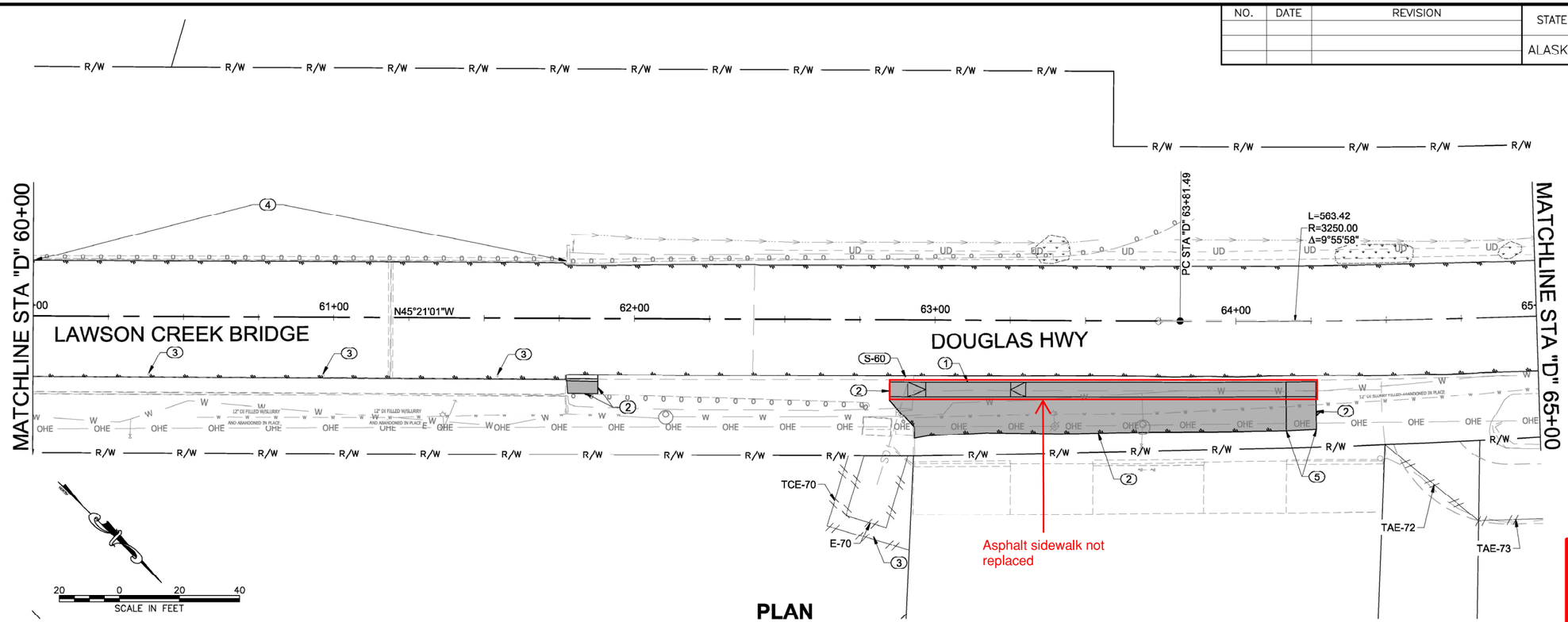


PLAN

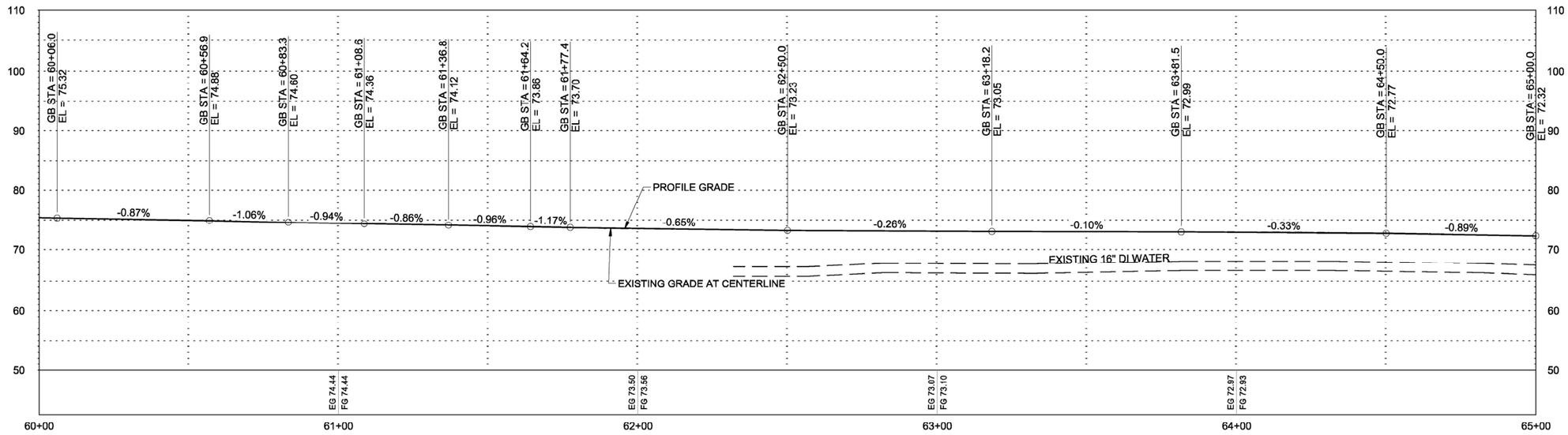
PLAN NOTES (X):

1. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
2. SAWCUT AND MATCH TO EXISTING
3. PRESERVE AND PROTECT EXISTING STORM DRAIN ON BRIDGE DECK
4. PRESERVE AND PROTECT EXISTING SCUPPERS ON BRIDGE DECK. DO NOT BLOCK
5. TRANSITION SIDEWALK AND DRIVEWAY APRON CROSS SLOPE TO TIE INTO EXISTING. SEE SHEET B2

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

Jim Bergan 12/16/25

Signature Date



PROFILE

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PLANS DEVELOPED BY:
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ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
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NO.	DATE	REVISION

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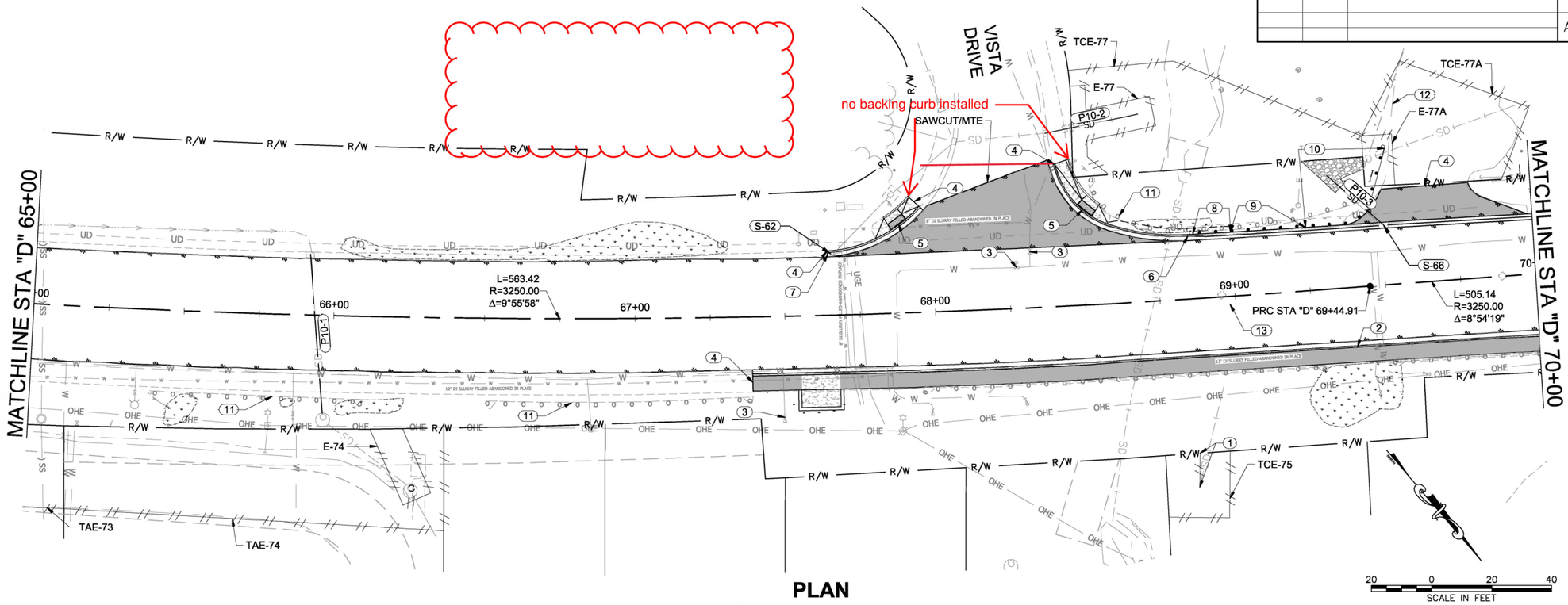
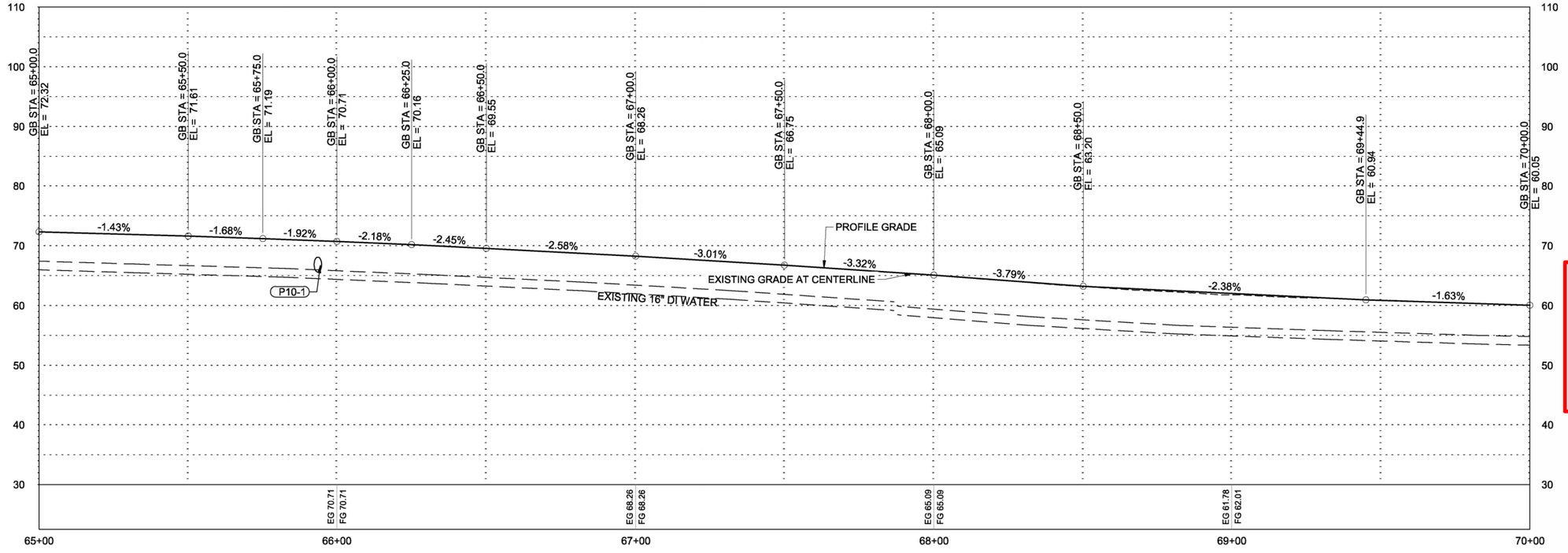
ALASKA	SFHWY00315/958032	2022	F10	F18



PLAN

PLAN NOTES (X):

1. REMOVE AND DISPOSE OF CULVERT TO ROW LINE. PLUG ABANDONED CULVERT WITH CLSM. RESTORE SLOPE AND RESEED
2. STA "D" 69+39. INSTALL BUS STOP SHELTER PAD. SEE E SHEETS FOR DETAILS
3. ADJUST EXISTING WATER VALVE BOX
4. MATCH EXISTING
5. RECONSTRUCT CURB RAMP. SEE G SHEETS FOR GRADING
6. STA "D" 68+82 LT TO STA "D" 68+92 LT. TRANSITION FROM STANDARD CURB AND GUTTER TO GUTTER
7. STA "D" 67+64.5 LT TO 67+71 LT. TRANSITION FROM STANDARD CURB AND GUTTER TO GUTTER OVER 6 FEET TO THE EXISTING GUTTER INLET
8. STA "D" 68+87.21, 21.40' LT TO STA "D" 68+99.81, 21.29' LT. INSTALL W31 DOWNSTREAM END ANCHOR
9. STA "D" 68+99.81. 21.29' LT TO STA "D" 69+24.97, 21.04' LT. INSTALL STEEL POST W-BEAM GUARDRAIL. FACE OF RAILING TO FOLLOW BACK OF GUTTER
10. STA "D" 69+24.97, 21.04' LT TO STA "D" 69+53.29, 45.30' LT. INSTALL SHORT RADIUS GUARDRAIL
11. REMOVE AND DISPOSE OF EXISTING GUARDRAIL
12. PRESERVE & PROTECT EXISTING MAILBOXES
13. PRESERVE AND PROTECT MONITORING WELL. VERIFY EXACT LOCATION IN FIELD. GRAPHIC NOT IN EXISTNG BASE FILE
14. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING



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4. ABANDONED WATER LINES NOT SHOWN

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

Jim Bergan 12/16/25

Signature Date

PLANS DEVELOPED BY:
DOWL
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JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

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Ryan A. Stephens
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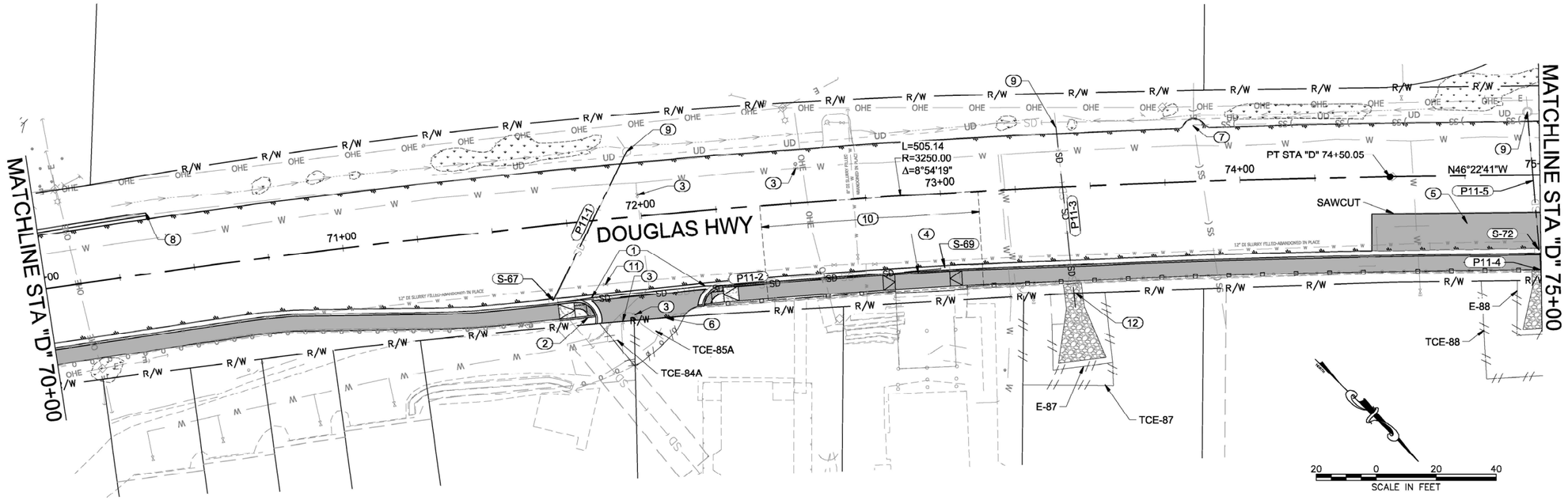


PLAN

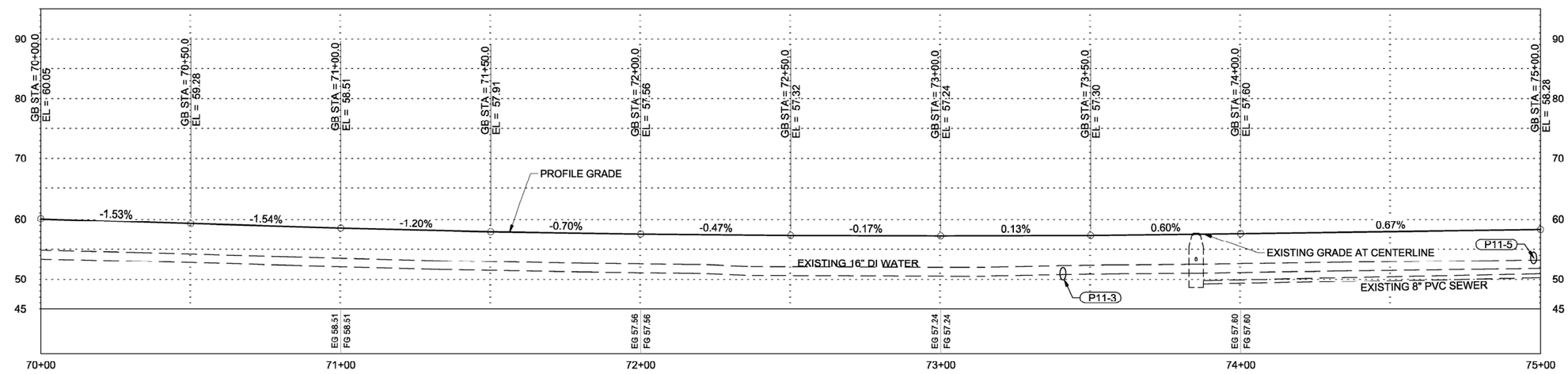
PLAN NOTES (X):

1. STA "D" 71+81 RT TO STA "D" 72+18 RT. INSTALL GUTTER
2. STA "D" 71+80 RT. CUT EXISTING PILE DOWN 4" BELOW TOP OF BED COURSE TO ALLOW FOR CURB RAMP GRADING
3. ADJUST EXISTING WATER VALVE BOX TO GRADE
4. STA "D" 72+91 RT. INSTALL 3-INCH CURB AND GUTTER ACROSS DRIVEWAY. SEE E SHEETS FOR DETAILS
5. STA "D" 74+45 RT TO STA "D" 75+60 RT. REPLACE BASE COURSE AND ASPHALT WITHIN SHOULDER. SEE DIGOUT SECTION ON SHEET B3
6. MATCH EXISTING
7. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
8. STA "D" 70+36 LT. END GUTTER
9. PRESERVE AND PROTECT EXISTING CORRUGATED METAL PIPE FIELD INLET STRUCTURE. EXISTING STRUCTURE DOES NOT HAVE A LADDER
10. STA "D" 72+39 ± TO STA "D" 73+12 ±. APPROXIMATE LIMITS OF DOUGLAS HWY SLOPE STABILIZATION PROJECT
11. REMOVE AND DISPOSE OF TOP SECTION OF EXISTING ABANDONED VALVE BOX
12. TRIM OR REMOVE TREES AS NEEDED TO COMPLETE WORK AS DIRECTED BY THE ENGINEER
13. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING

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

Jim Bergan 12/16/25

Signature Date



PROFILE

PROFILE NOTES:

1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS. MAX LENGTH OF VERTICAL CURVES SHALL BE 20 FEET
4. ABANDONED WATER LINES NOT SHOWN

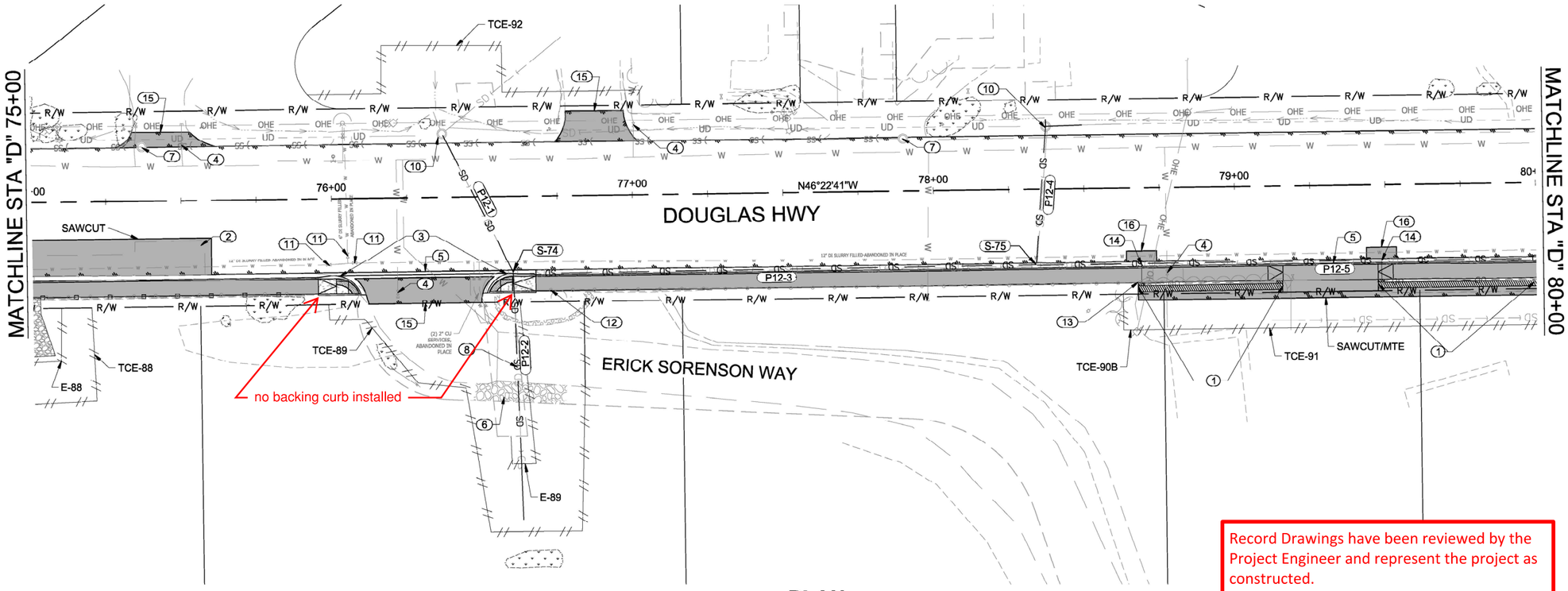
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase 1\Civil\SC-CT-PP-F-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 PHONE (907) 780-3533 CERTIFICATE OF AUTH #: AECL848
DATE 7/14/2022 10:18 LAYOUT F11 DESIGNED STEPHENS CHECKED NOBLE DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F12	F18



PLAN

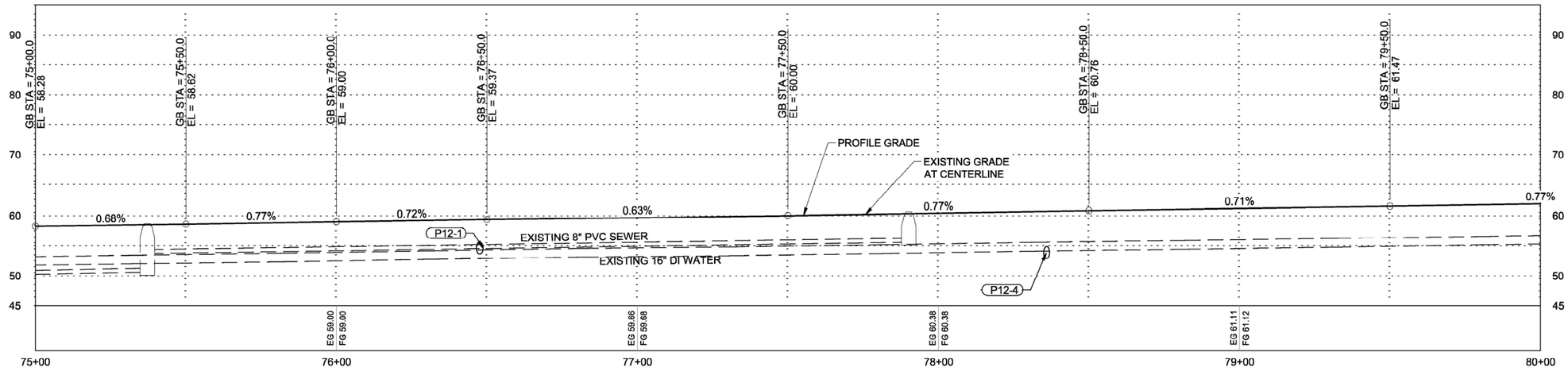
PLAN NOTES(X):

1. STA "D" 78+67 RT TO STA "D" 82+15 RT. REMOVE AND DISPOSE OF EXISTING WOOD WALL. INSTALL NEW TEXTURED, PRE-CAST CONCRETE BLOCK WALL. SEE M SHEETS FOR DETAILS
2. STA "D" 74+45 RT TO STA "D" 75+60 RT. REPLACE BASE COURSE AND ASPHALT WITHIN SHOULDER. SEE DIGOUT SECTION ON SHEET B3
3. STA "D" 76+00 RT TO STA "D" 76+59 RT. INSTALL GUTTER
4. ADJUST EXISTING WATER VALVE BOX TO GRADE
5. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
6. REMOVE AND REPLACE EXISTING BOULDERS AS NEEDED TO RELINE P12-2
7. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
8. SEE SHEET Q2 FOR DETAILS ON LINING CULVERT
9. TCE-90B AND TCE-91 SHALL NOT BE USED FOR OVERNIGHT PARKING OR AS A STAGING AREA. USE OF THESE TCE AREAS IS AUTHORIZED ONLY FOR WORK AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS
10. PRESERVE AND PROTECT EXISTING CORRUGATED METAL PIPE FIELD INLET STRUCTURE. EXISTING STRUCTURE DOES NOT HAVE A LADDER
11. REMOVE AND DISPOSE OF TOP SECTION OF EXISTING ABANDONED VALVE BOX
12. CUT EXISTING PIPE HANDRAIL BACK TO NEAREST POST, AS NEEDED, TO AVOID CONFLICT WITH CONSTRUCTION OF ADA CURB RAMP. CUT RETURN OFF DISPOSED HANDRAIL AND WELD BACK TO END OF RAIL RETAINED
13. CUT EXISTING PIPE HANDRAIL BACK TO START OF RETAINING WALL. CUT RETURN OFF DISPOSED HANDRAIL AND WELD BACK TO END OF RAIL RETAINED
14. CONNECT GRAVITY WALL UNDERDRAIN TO P12-5 WITH 18" X 6" SADDLE TEE OR INSERTA TEE OR APPROVED EQUIVALENT
15. MATCH EXISTING
16. STA "D" 78+63 ± TO STA "D" 78+73 ± AND STA "D" 79+43 ± TO STA "D" 79+53 ±. ESTIMATED LIMITS OF EXCAVATION TO CONNECT GRAVITY WALL UNDERDRAINS TO P12-5. RECONSTRUCT PAVEMENT WITH 4" AGGREGATE BASE COURSE, GRADING D-1, 3" ATB, AND 2" HMA, SP, TYPE B.
17. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING

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

Jim Bergan 12/16/25

Signature Date



PROFILE

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2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS. MAX LENGTH OF VERTICAL CURVES SHALL BE 20 FEET
4. ABANDONED WATER LINES NOT SHOWN

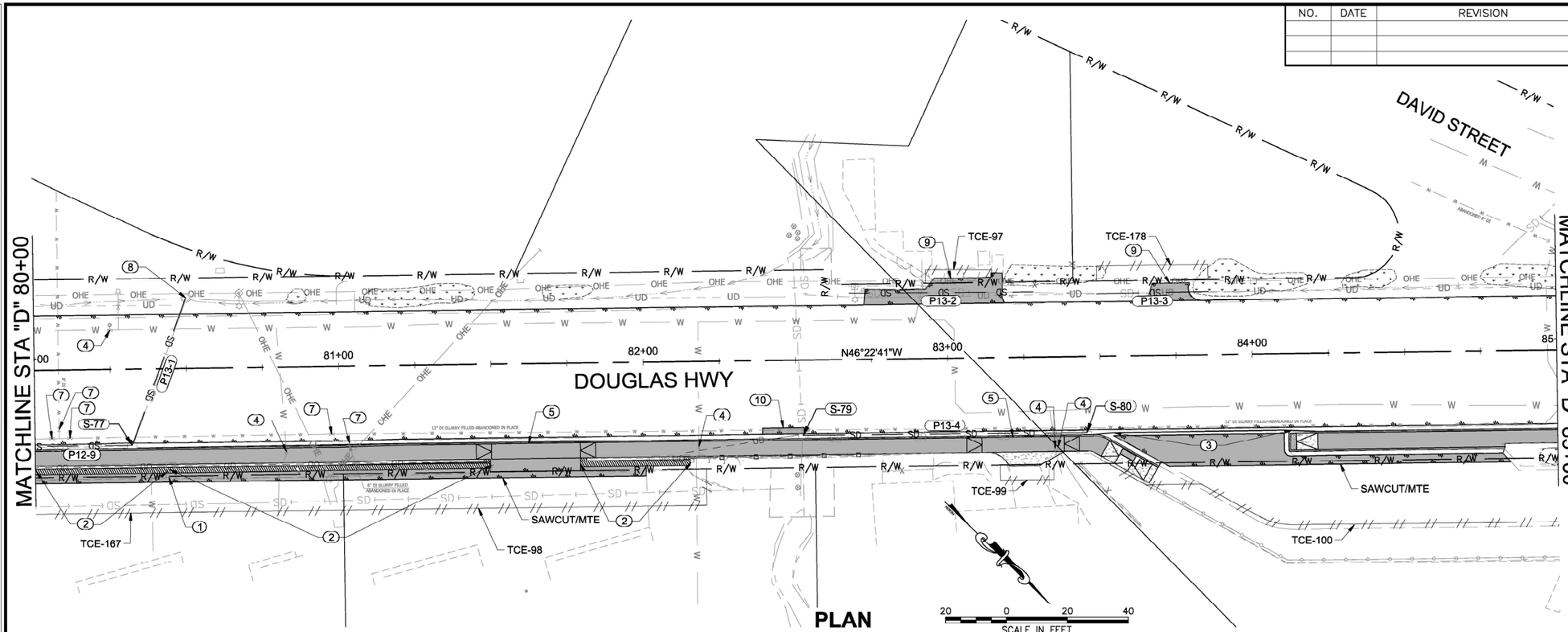
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg | LAYOUT F12 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/14/2022 10:18

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F13	F18



PLAN

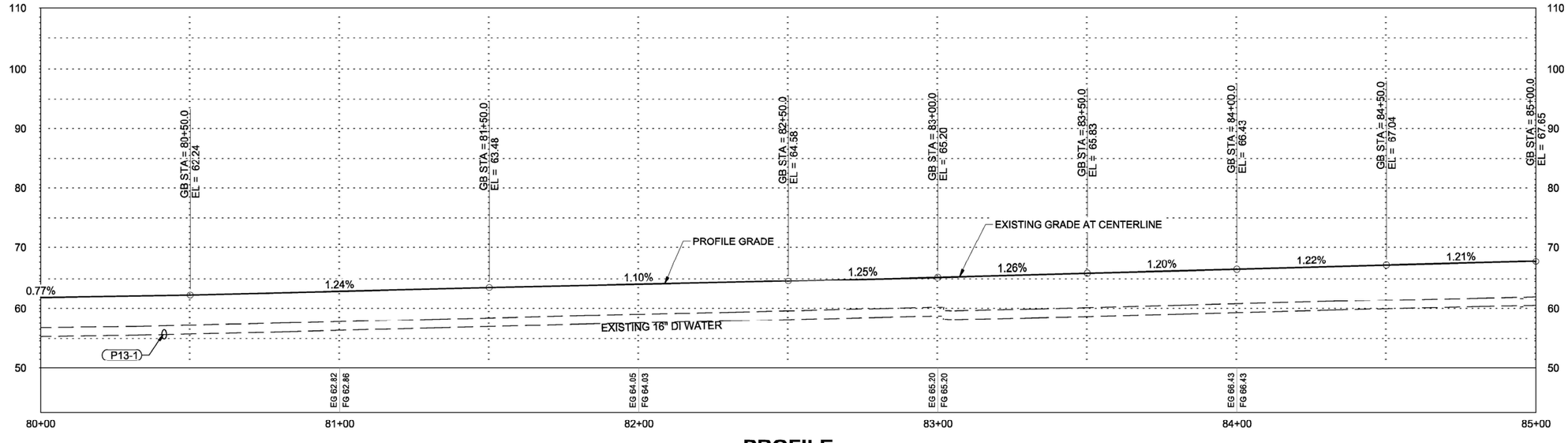
PLAN NOTES (X):

1. STA "D" 80+43 RT. REMOVE AND DISPOSE OF EXISTING WOOD STAIRS.
2. STA "D" 78+67 RT TO STA "D" 82+15 RT. REMOVE AND DISPOSE OF EXISTING WOOD WALL. INSTALL NEW TEXTURED, PRE CAST CONCRETE BLOCK WALL. SEE M SHEETS FOR DETAILS
3. STA "D" 83+54 TO STA "D" 84+13 RT. INSTALL GUTTER
4. ADJUST EXISTING WATER VALVE BOX TO GRADE
5. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
6. TCE-167 AND TCE-98 SHALL NOT BE USED FOR OVERNIGHT PARKING OR AS A STAGING AREA. USE OF THESE TCE AREAS IS AUTHORIZED ONLY FOR WORK AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS
7. REMOVE AND DISPOSE OF TOP SECTION OF EXISTING ABANDONED VALVE BOX
8. PRESERVE AND PROTECT EXISTING CORRUGATED METAL PIPE FIELD INLET STRUCTURE. EXISTING STRUCTURE DOES NOT HAVE A LADDER
9. MATCH EXISTING
10. STA "D" 82+38 ± TO STA "D" 82+52 ±. ESTIMATED LIMITS OF EXCAVATION TO INSTALL UNDERDRAIN. RECONSTRUCT PAVEMENT WITH 4" AGGREGATE BASE COURSE, GRADING D-1, 3" ATB, AND 2" HMA, SP, TYPE B.
11. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING
12. FOR TCE-100 AND E-100: PROTECT EXISTING ELECTRICAL AND TREES; PROVIDE SIGNAGE FOR CONSTRUCTION PARKING AND PUBLIC PARKING; PROVIDE 2 PARKING SPACES AT LEAST 40 FEET LONG FOR PUBLIC PARKING ON THE WATER SIDE; PROVIDE A LANE OF TRAFFIC THROUGH THE PARKING LOT WITH ACCESS TO THE 2 PARKING SPACES, PROVIDE FOR CONTINUED USE OF BUST STOP AND BUS SERVICE; PROVIDE FOR FOOT TRAFFIC ACCESS TO THE STAIRWAY, OVERLOOK, AND HOUSE; STABILIZE DISTURBED AREA WITH NATIVE VEGETATION

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

Jim Bergan 12/16/25

Signature Date



PROFILE

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4. ABANDONED WATER LINES NOT SHOWN

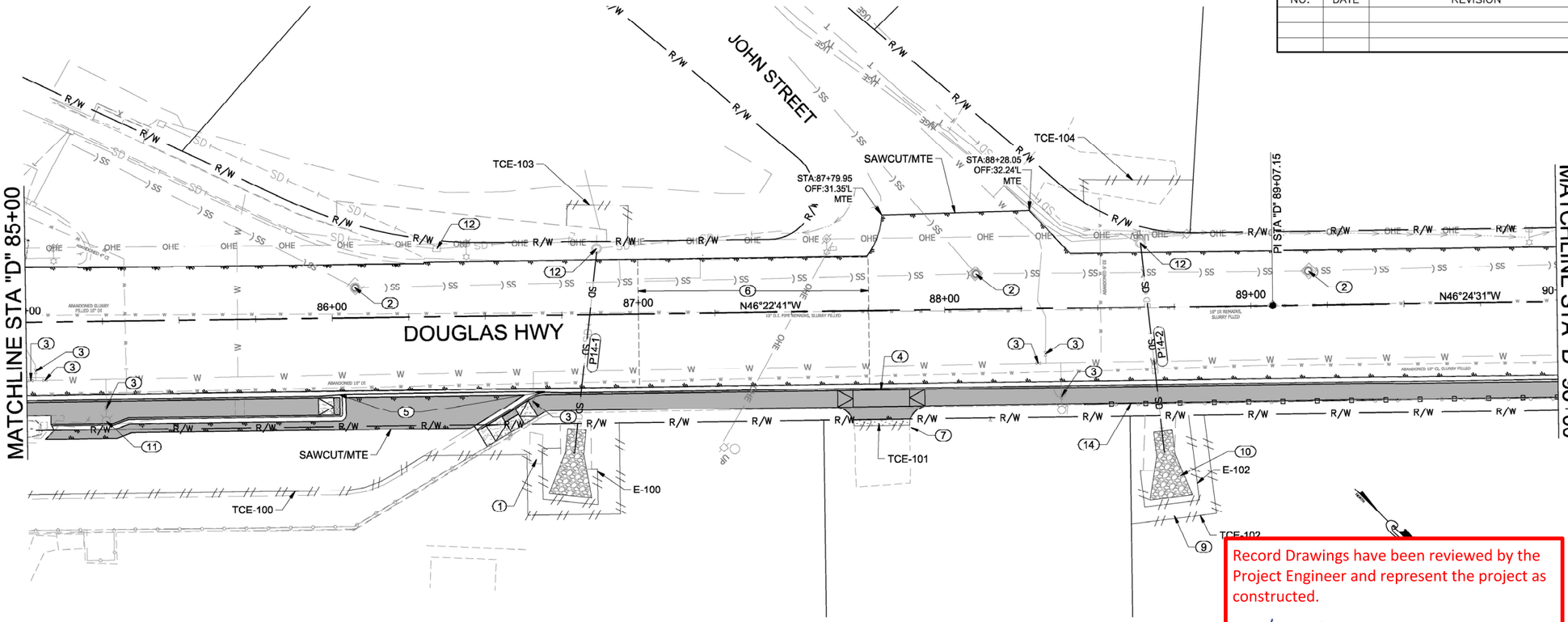
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg | LAYOUT F13 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
PROCESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 7/14/2022 10:18

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F14	F18



PLAN

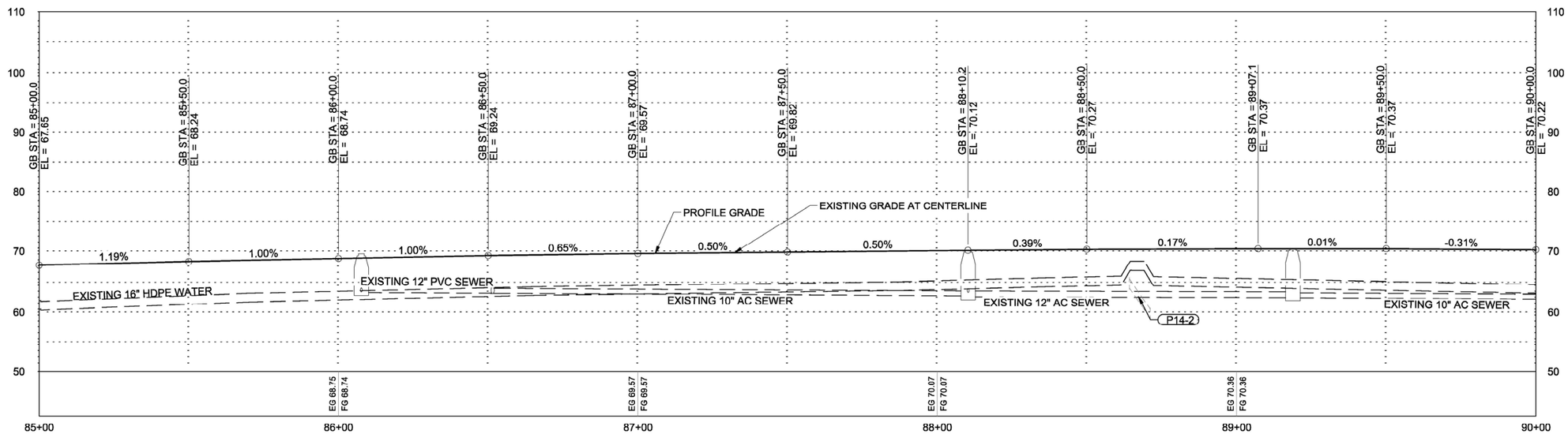
PLAN NOTES (X):

1. PRESERVE AND PROTECT EXISTING STAIRCASE
2. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
3. ADJUST EXISTING WATER VALVE BOX TO GRADE
4. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
5. STA "D" 86+02 TO STA "D" 86+69, INSTALL GUTTER
6. STA "D" 87+00 TO STA "D" 87+75. EXISTING TRAFFIC LOOPS ARE PRESENT IN BOTH LANES (2 LOOPS IN EACH LANE) WITHIN THE AREA SHOWN. CONTRACTOR SHALL LOCATE THE EXISTING LOOPS WITH DOT&PF STAFF PRIOR TO PAVEMENT PLANING. THE CONTRACTOR SHALL NOT DAMAGE THE EXISTING LOOPS OR CONDUIT. DEPTH OF LOOPS AND CONDUIT IS APPROXIMATELY 1-INCH BELOW THE BOTTOM OF THE EXISTING ASPHALT LAYERS.
7. PRESERVE & PROTECT EXISTING BLOCK RETAINING WALL. PROVIDE FOR FOOT TRAFFIC ACCESS AT ALL TIMES. NOTIFY NATHAN PURVES (503-750-0962) 7 DAYS PRIOR TO CLOSURES OF DRIVEWAYS OR OTHER VEHICULAR ACCESS
8. FOR TCE-100 AND E-100: PROTECT EXISTING ELECTRICAL AND TREES; PROVIDE SIGNAGE FOR CONSTRUCTION PARKING AND PUBLIC PARKING; PROVIDE 2 PARKING SPACES AT LEAST 40 FEET LONG FOR PUBLIC PARKING ON THE WATER SIDE; PROVIDE A LANE OF TRAFFIC THROUGH THE PARKING LOT WITH ACCESS TO THE 2 PARKING SPACES, PROVIDE FOR CONTINUED USE OF BUST STOP AND BUS SERVICE; PROVIDE FOR FOOT TRAFFIC ACCESS TO THE STAIRWAY, OVERLOOK, AND HOUSE; STABILIZE DISTURBED AREA WITH NATIVE VEGETATION
9. PRESERVE AND PROTECT EXISTING TREES WITHIN THE DESIGNATED WORK AREA. TRIMMING OF TREES MAY BE ALLOWED AS APPROVED BY THE ENGINEER TO ACCESS THE WORK AREA.
10. INSTALL LAYER OF NATURAL ROCK OVER RIPRAP AS DIRECTED BY THE ENGINEER
11. PRESERVE AND PROTECT EXISTING HYDRANT
12. PRESERVE AND PROTECT EXISTING CORRUGATED METAL PIPE FIELD INLET STRUCTURE. EXISTING STRUCTURE DOES NOT HAVE A LADDER
13. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING
14. REMOVE AND RESET EXISTING RAILING TO NEAREST JOINT, AS NEEDED, TO ACCESS TCE

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

Jim Bergan 12/16/25

Signature Date



PROFILE

PROFILE NOTES:

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4. ABANDONED WATER LINES NOT SHOWN

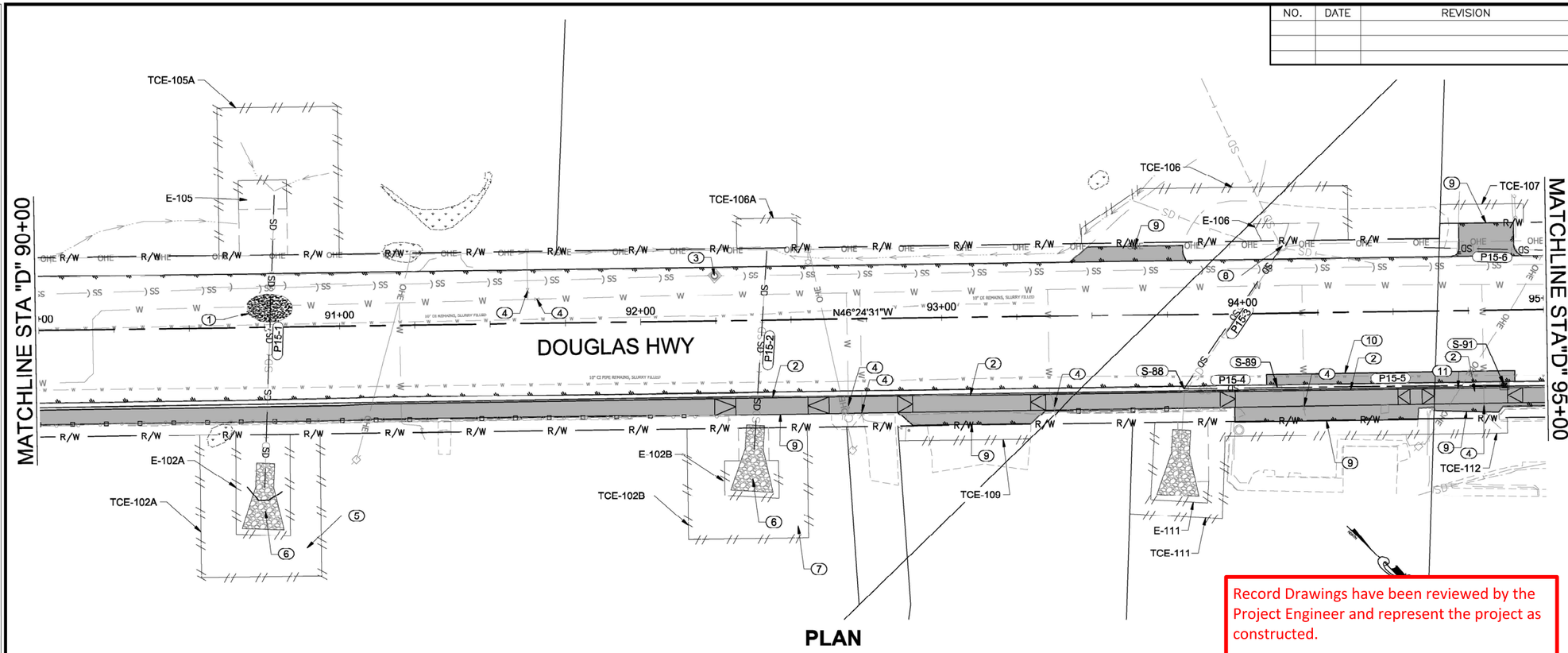
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F_70897.dwg | LAYOUT F14 | DATE 7/14/2022 14:41

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F15	F18



PLAN

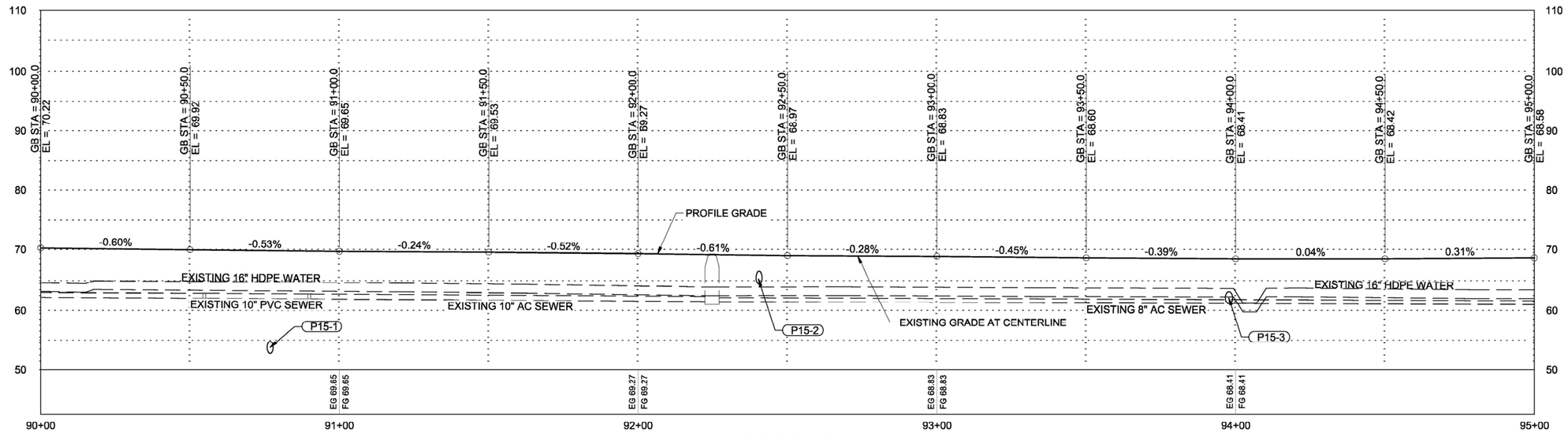
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Jim Bergan 12/16/25

Signature Date

PLAN NOTES (X):

1. SINKHOLE DISCOVERED DURING CITY AND BOROUGH OF JUNEAU 2019 WATERLINE PROJECT. SINKHOLE WAS FILLED WITH CONCRETE TO SPRING-LINE OF WATER MAIN. CONCRETE TO REMAIN. SOME SLURRY MIX MAY HAVE ENTERED THE EXISTING PIPE. CAMERA PIPE PER SPECIFICATION REQUIREMENTS FOR CIPP. IF SLURRY FOUND IN PIPE AND CIPP DETERMINED TO NOT BE PRACTICAL, NOTIFY ENGINEER. IF CIPP IS NOT PRACTICAL, REMOVE UPSTREAM PORTION OF EXISTING CULVERT TO LOCATION OF SLURRY, CLEAN DOWNSTREAM PIPE SEGMENT, AND INSTALL 24" HDPE LINER THE FULL LENGTH OF EXISTING PIPE ALONG EXISTING GRADE. LOCATION OF 2019 SINK HOLE AND SLURRY IS APPROXIMATE.
2. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
3. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
4. ADJUST EXISTING WATER VALVE BOX TO GRADE
5. PRESERVE AND PROTECT EXISTING TREES WITHIN THE DESIGNATED WORK AREA. TRIMMING OF TREES MAY BE ALLOWED AS APPROVED BY THE ENGINEER TO ACCESS THE WORK AREA BY CRANE.
6. INSTALL LAYER OF NATURAL ROCK OVER RIPRAP AS DIRECTED BY THE ENGINEER
7. PRESERVE AND PROTECT EXISTING TREES WITHIN THE DESIGNATED WORK AREA. TRIMMING OF TREES MAY BE ALLOWED AS APPROVED BY THE ENGINEER TO ACCESS THE WORK AREA.
8. PRESERVE AND PROTECT EXISTING CORRUGATED METAL PIPE FIELD INLET STRUCTURE. EXISTING STRUCTURE DOES NOT HAVE A LADDER.
9. MATCH EXISTING
10. STA "D" 94+07 ± TO STA "D" 94+90 ±. ESTIMATED EXCAVATION LIMITS TO INSTALL P15-5 AND S-91. RECONSTRUCT WITH 4" AGGREGATE BASE COURSE, GRADING D-1, 3" ATB, AND 2" HMA, SP, TYPE B. TOP OF PAVEMENT TO MATCH FINISH GRADE OF SURROUNDING MILL AND INLAY
11. CONSTRUCT 3" CURB AND GUTTER ACROSS DRIVEWAY



PROFILE

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
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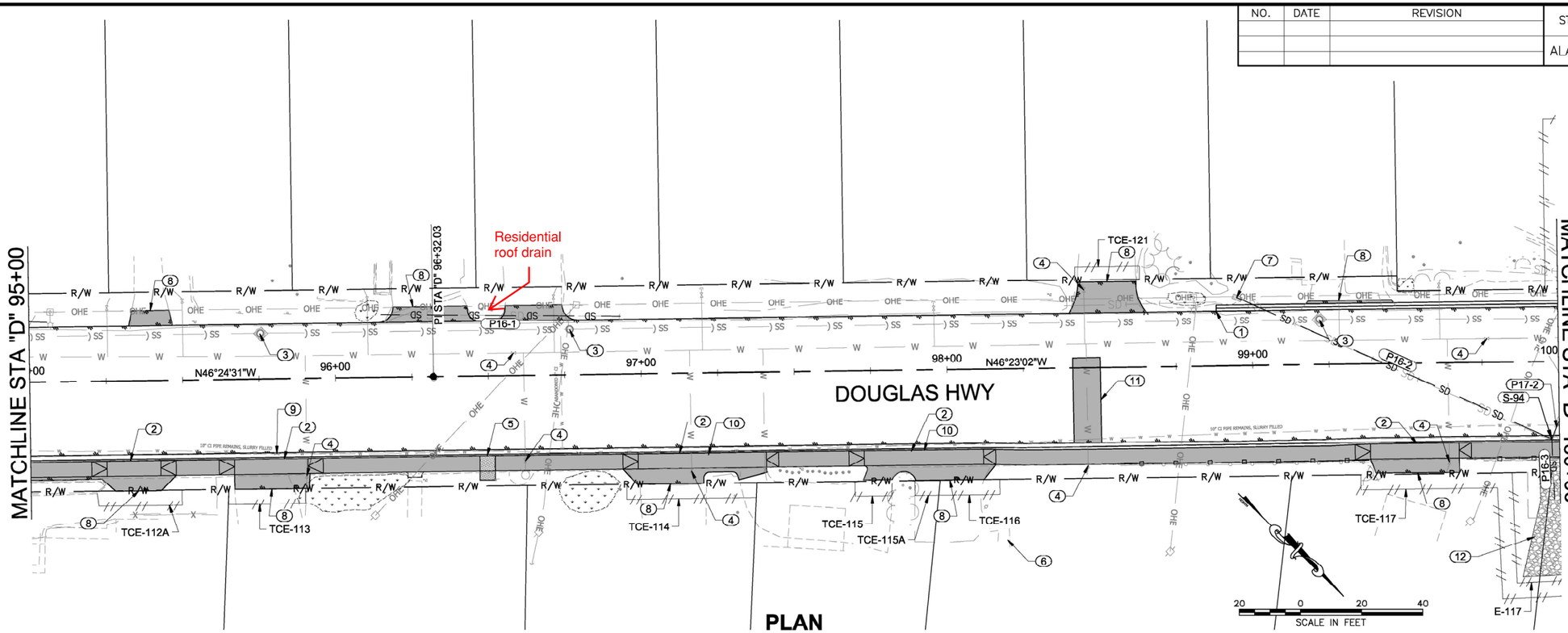
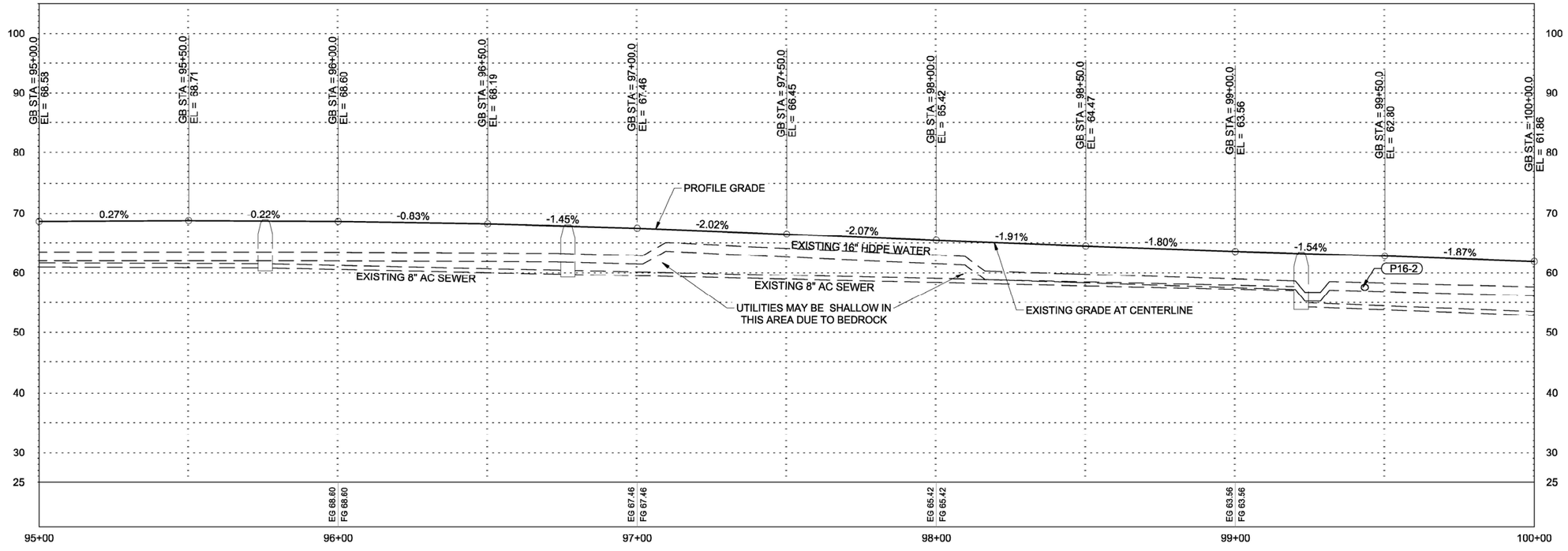
ALASKA	SFHWY00315/958032	2022	F16	F18



PLAN

PLAN NOTES(X):

1. STA "D" 98+88.3 LT. BEGIN INSTALL GUTTER
2. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
3. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
4. ADJUST EXISTING WATER VALVE BOX TO GRADE
5. STA "D" 96+50 RT. INSTALL BUS STOP LANDING. SEE E SHEETS FOR DETAILS
6. MAINTAIN ACCESS TO STAIRS AT ALL TIMES
7. PRESERVE AND PROTECT EXISTING INLET
8. MATCH EXISTING
9. REMOVE AND DISPOSE OF TOP SECTION OF EXISTING ABANDONED VALVE BOX
10. CONSTRUCT 3" CURB AND GUTTER ACROSS DRIVEWAY
11. RECONSTRUCT WATER SERVICE TRENCH TO EXISTING SAWCUT LIMITS WITH 4" AGGREGATE BASE COURSE, GRADING D-1, 3" ATB, AND 2" HMA, SP, TYPE B. TOP OF PAVEMENT TO MATCH FINISH GRADE OF SURROUNDING MILL AND OVERLAY
12. LIMIT EXTENTS OF RIPRAP DOWN STREAM FROM OUTLET TO LARGE SPRUCE TREES AS DIRECTED BY THE ENGINEER



PROFILE

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4. ABANDONED WATER LINES NOT SHOWN

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

Jim Bergan 12/16/25

Signature Date

PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
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STATE OF ALASKA 49 TH
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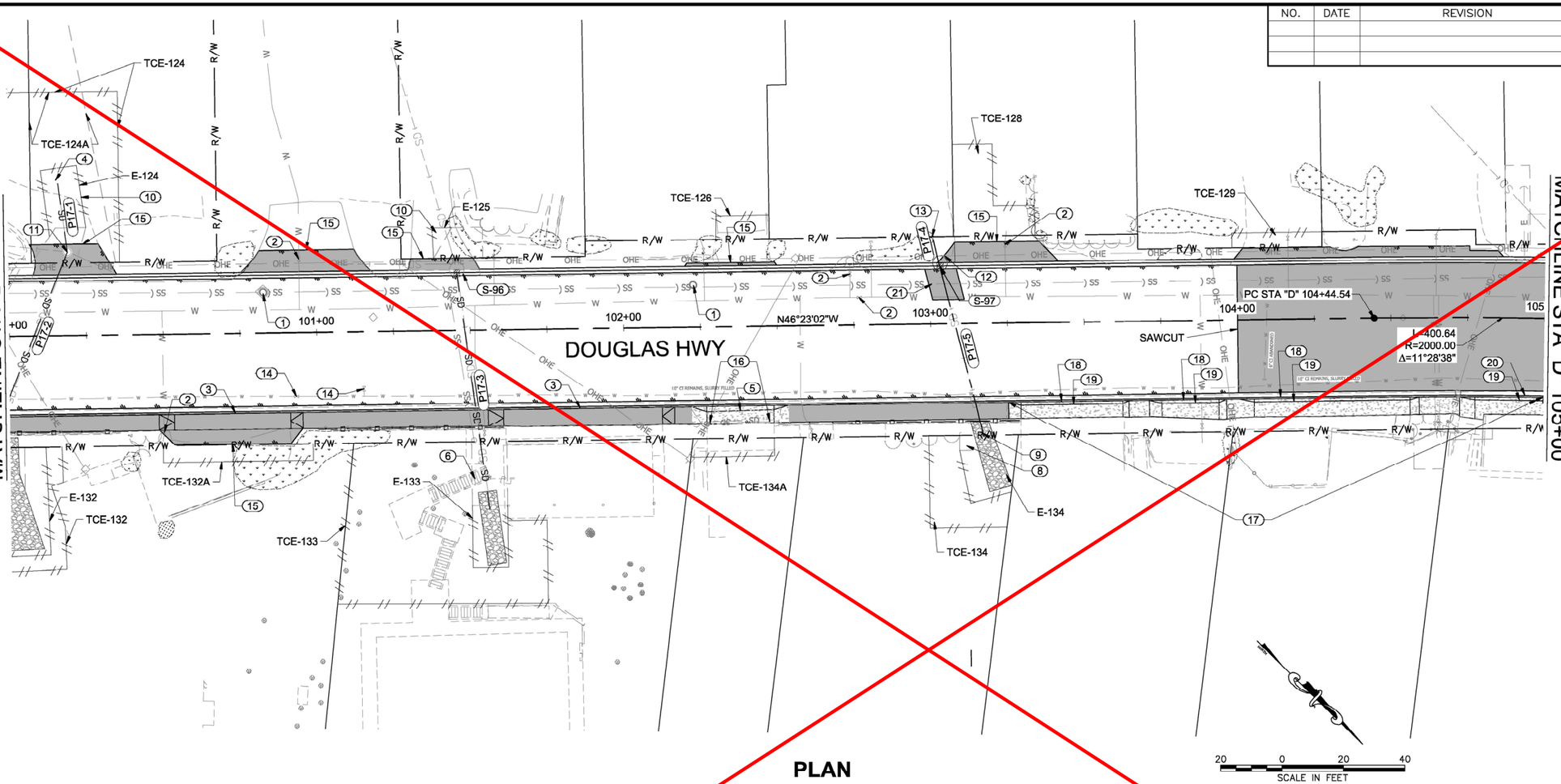
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F17	F18

MATCHLINE STA "D" 100+00

MATCHLINE STA "D" 105+00

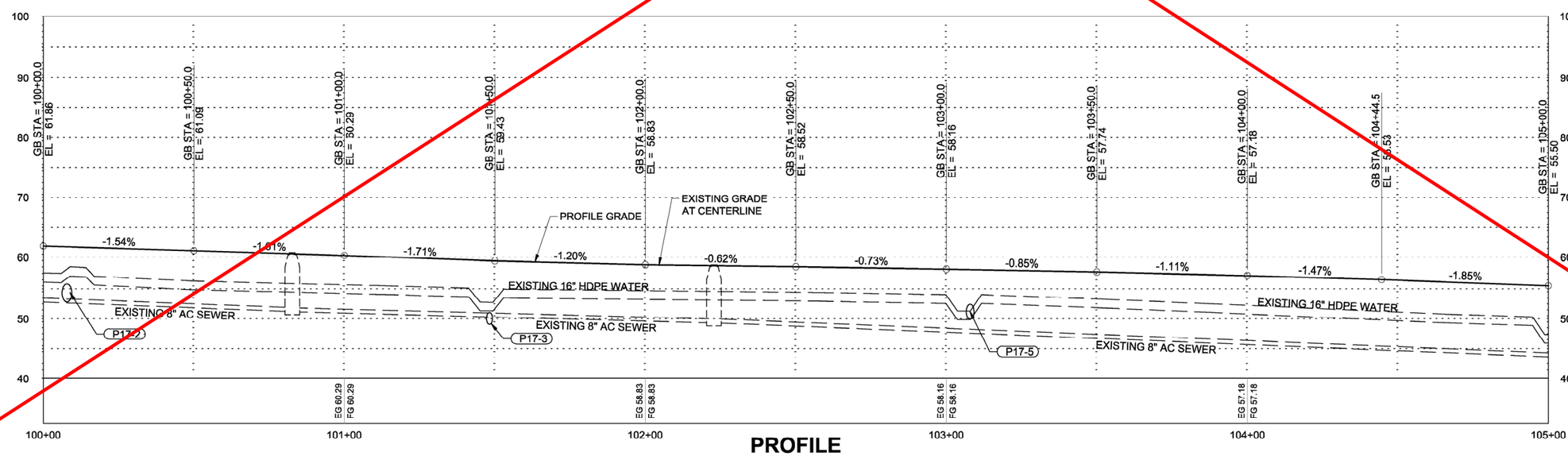


PLAN

20 0 20 40
SCALE IN FEET

PLAN NOTES (X)

1. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
2. ADJUST EXISTING WATER VALVE BOX TO GRADE
3. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
4. PRESERVE & PROTECT EXISTING TREES AND LANDSCAPING
5. CONSTRUCT MODIFIED DRIVEWAY CURB CUT ACROSS DRIVEWAY WITH DEPRESSED CURB AND GUTTER. REMOVE AND DISPOSE OF EXISTING SLOT DRAIN
6. PRESERVE AND PROTECT EXISTING STAIRS
7. TCE-124 & TCE-124A OVERLAP AT EXISTING ACCESS EASEMENT
8. REMOVE AND REBUILD TERRACED PLANTER AS NEEDED TO COMPLETE CULVERT REPAIR AND RIP RAP PLACEMENT. REBUILD TERRACED PLANTER TO PRECONSTRUCTION CONDITIONS USING ORIGINAL MATERIALS REMOVED DURING CULVERT REPAIR AND RIP RAP PLACEMENT. CONFIRM LIMITS OF TERRACE REMOVAL WITH ENGINEER PRIOR TO BEGINNING WORK. INSTALL RIPRAP IN EXISTING CHANNEL TO NEAR BUILDING CORNER AS BY DIRECTED BY THE ENGINEER.
9. REMOVE EXISTING TREE ONLY AS NEEDED TO COMPLETE CULVERT REPAIRS AND RIP RAP INSTALLATION. CONFIRM WITH ENGINEER PRIOR TO REMOVAL
10. PRESERVE AND PROTECT EXISTING ROCK WALL IN EASEMENT E-124/E-125.
11. PRESERVE AND PROTECT EXISTING INLET.
12. REMOVE AND REPLACE EXISTING MAILBOX
13. REGRADE DITCH FROM PIPE P17-4 INLET TO PROMOTE PROPER DRAINAGE. KEEP DITCH INSIDE RIGHT OF WAY
14. REMOVE AND DISPOSE OF TOP SECTION OF EXISTING ABANDONED VALVE BOX
15. MATCH EXISTING
16. REMOVE AND DISPOSE OF EXISTING TRENCH DRAIN
17. GRADE CURB AND GUTTER TO MAINTAIN MINIMUM GUTTER SLOPE OF 0.5% FROM STA "D" 103+25 TO STRUCTURE S-100.
18. CONSTRUCT 3" CURB AND GUTTER ACROSS DRIVEWAY
19. CONSTRUCT MODIFIED DRIVEWAY CURB CUT ACROSS DRIVEWAY
20. STA "D" 104+77.40 TO STA "D" 105+09.45. TRANSITION FROM DEPRESSED CURB AND GUTTER TO 3" CURB AND GUTTER ACROSS DRIVEWAY
21. ESTIMATED EXCAVATION LIMITS TO CUT EXISTING PIPE, INSTALL S-97 AND RETROFIT EXISTING PIPE TO STRUCTURE. RECONSTRUCT PAVEMENT WITH 4" AGGREGATE BASE COURSE, GRADING D-1, 3" ATB, AND 2" HMA,SP, TYPE B



PROFILE

PROFILE NOTES:

1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS. MAX LENGTH OF VERTICAL CURVES SHALL BE 20 FEET
4. ABANDONED WATER LINES NOT SHOWN

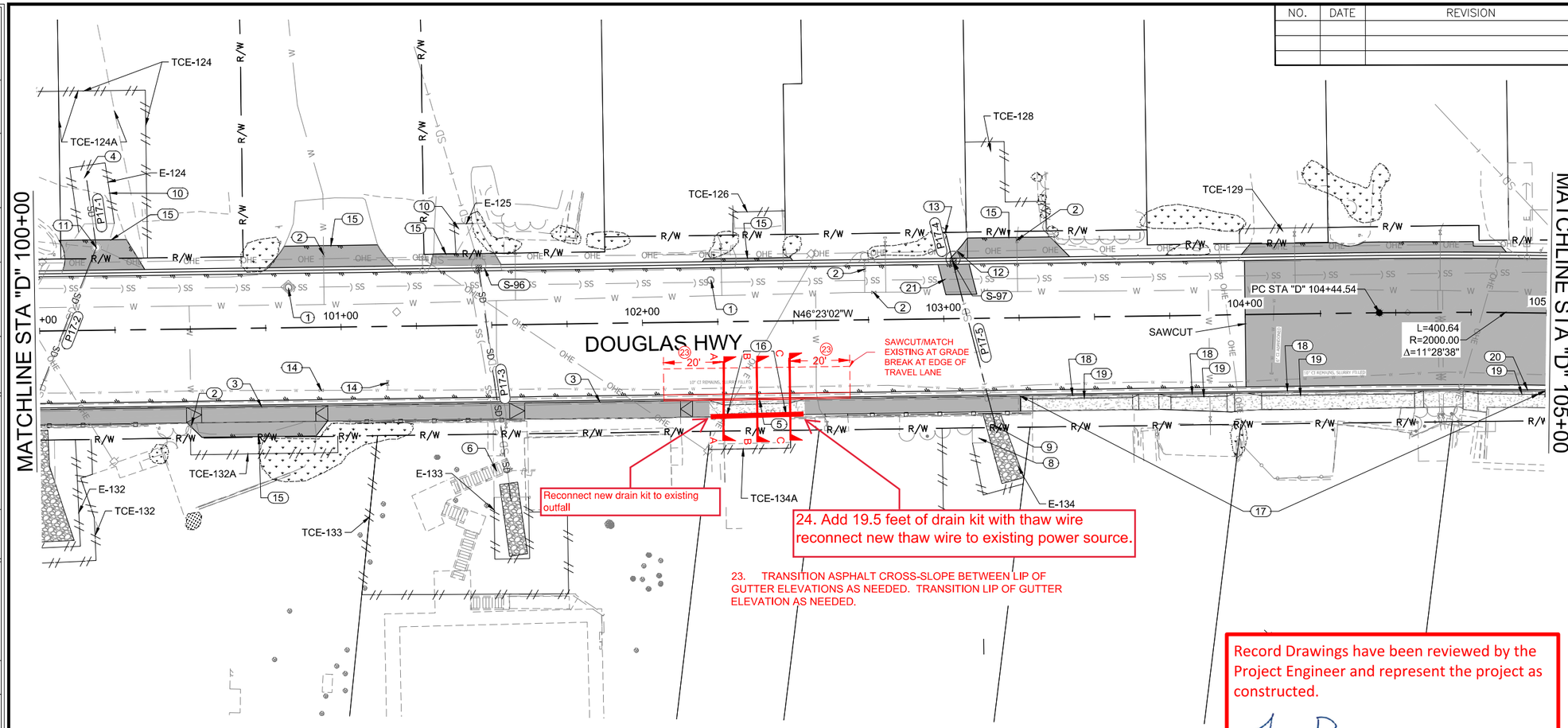
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 14, 2022
CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase 1\Civil\SC-CT-PP-F-70897.dwg | LAYOUT F17
DATE 7/14/2022 10:18

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F17	F18



PLAN

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

Jim Bergan 12/16/25

Signature Date

PLAN NOTES (X)

1. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
2. ADJUST EXISTING WATER VALVE BOX TO GRADE
3. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
4. PRESERVE & PROTECT EXISTING TREES AND LANDSCAPING
5. CONSTRUCT STANDARD DRIVEWAY CUT WITH MODIFIED CURB AND GUTTER. SEE CROSS-SECTIONS PROVIDED FOR GRADING.
6. PRESERVE AND PROTECT EXISTING STAIRS
7. TCE-124 & TCE-124A OVERLAP AT EXISTING ACCESS EASEMENT
8. REMOVE AND REBUILD TERRACED PLANTER AS NEEDED TO COMPLETE CULVERT REPAIR AND RIP RAP PLACEMENT. REBUILD TERRACED PLANTER TO PRECONSTRUCTION CONDITIONS USING ORIGINAL MATERIALS REMOVED DURING CULVERT REPAIR AND RIP RAP PLACEMENT. CONFIRM LIMITS OF TERRACE REMOVAL WITH ENGINEER PRIOR TO BEGINNING WORK. INSTALL RIPRAP IN EXISTING CHANNEL TO NEAR BUILDING CORNER AS BY DIRECTED BY THE ENGINEER.
9. REMOVE EXISTING TREE ONLY AS NEEDED TO COMPLETE CULVERT REPAIRS AND RIP RAP INSTALLATION. CONFIRM WITH ENGINEER PRIOR TO REMOVAL
10. PRESERVE AND PROTECT EXISTING ROCK WALL IN EASEMENT E-124/E-125.
11. PRESERVE AND PROTECT EXISTING INLET.
12. REMOVE AND REPLACE EXISTING MAILBOX
13. REGRADE DITCH FROM PIPE P17-4 INLET TO PROMOTE PROPER DRAINAGE. KEEP DITCH INSIDE RIGHT OF WAY
14. REMOVE AND DISPOSE OF TOP SECTION OF EXISTING ABANDONED VALVE BOX
15. MATCH EXISTING
16. REMOVE AND DISPOSE OF EXISTING TRENCH DRAIN
17. GRADE CURB AND GUTTER TO MAINTAIN MINIMUM GUTTER SLOPE OF 0.5% FROM STA "D" 103+25 TO STRUCTURE S-100.
18. CONSTRUCT 3" CURB AND GUTTER ACROSS DRIVEWAY
19. CONSTRUCT MODIFIED DRIVEWAY CURB CUT ACROSS DRIVEWAY
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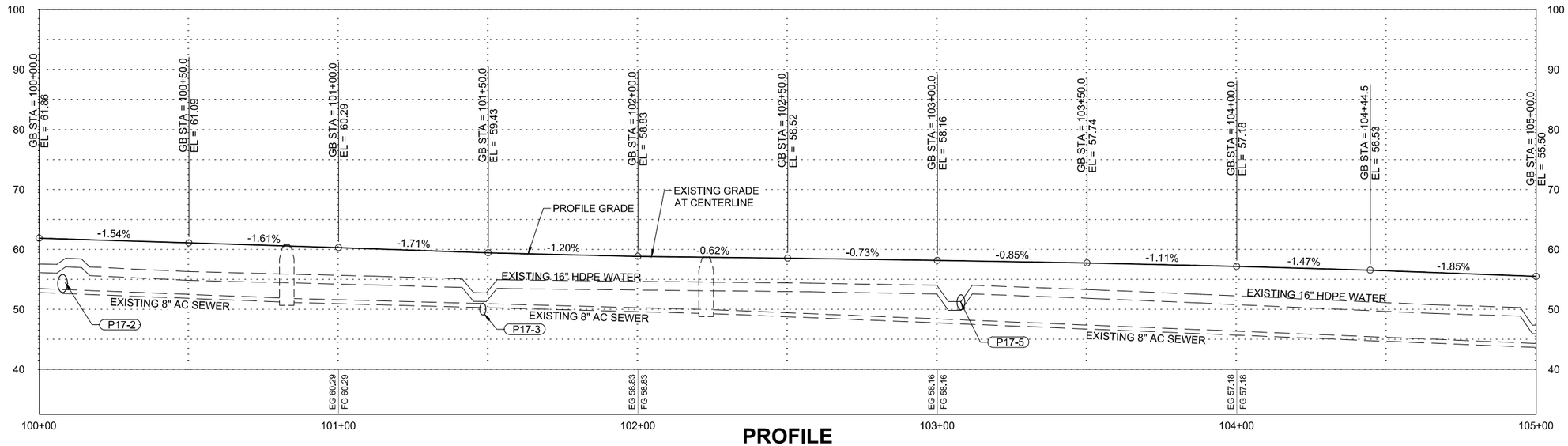
21. ESTIMATED EXCAVATION LIMITS TO CUT EXISTING PIPE, INSTALL S-97 AND RETROFIT EXISTING PIPE TO STRUCTURE. RECONSTRUCT PAVEMENT WITH 4" AGGREGATE BASE COURSE, GRADING D-1, 3" ATB, AND 2" HMA,SP, TYPE B



PROFILE

PROFILE NOTES:

1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS. MAX LENGTH OF VERTICAL CURVES SHALL BE 20 FEET
4. ABANDONED WATER LINES NOT SHOWN

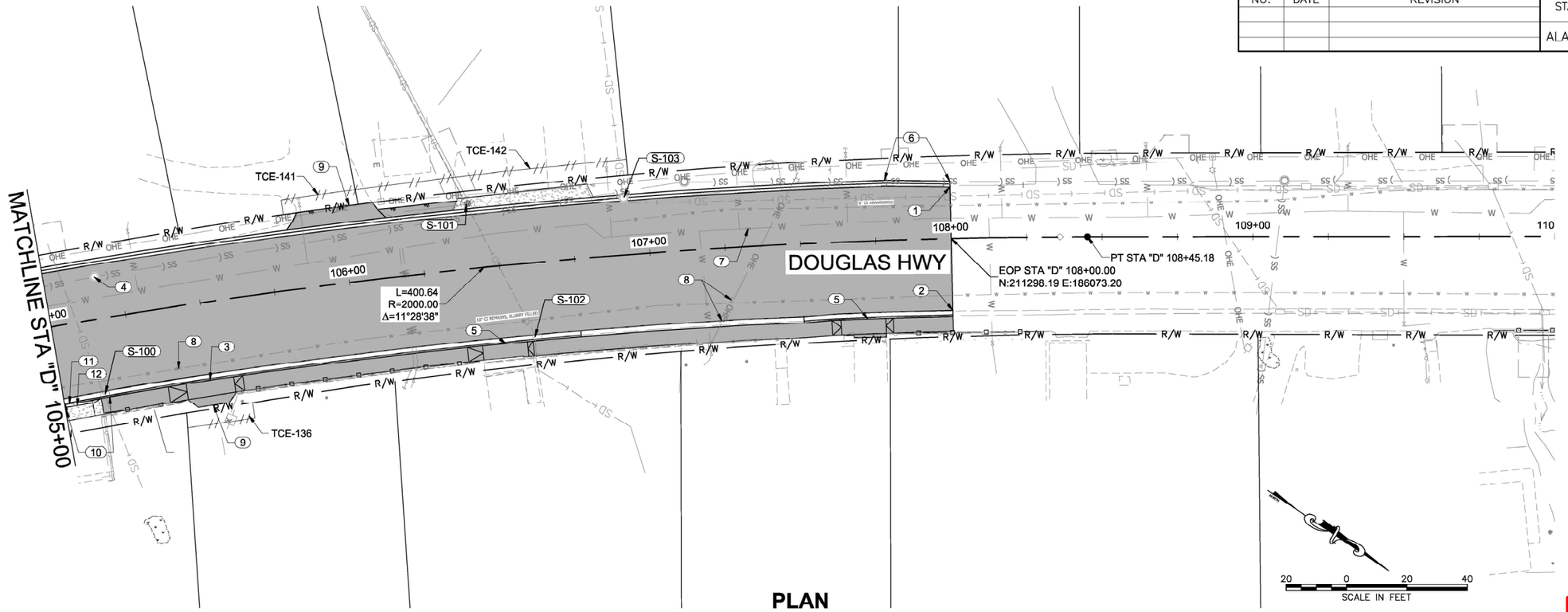
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49 TH
Ryan A. Stephens
Aug 22, 2023
No. CE 14381
REGISTERED PROFESSIONAL ENGINEER

FIRM	DOWL	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848	
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED LAFAVOUR
DATE	8/21/2023 16:22	LAYOUT	F17			
FILE	\\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg					

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	F18	F18



PLAN

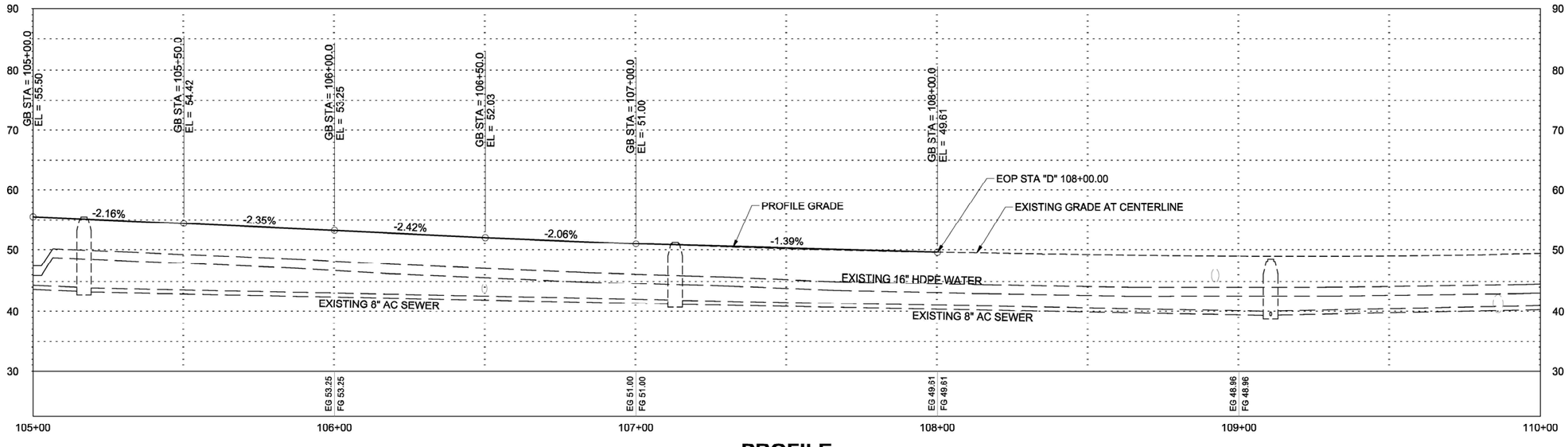
PLAN NOTES(X):

1. STA "D" 108+00 LT END NEW GUTTER. MTE GUTTER
2. STA "D" 108+00 RT END REPLACE STANDARD CURB & GUTTER
3. CONSTRUCT DRIVEWAY CURB CUT ACROSS DRIVEWAY
4. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
5. CONSTRUCT 3-INCH CURB AND GUTTER ACROSS DRIVEWAY. SEE E SHEETS FOR DETAILS
6. TRANSITION SHOULDER WIDTH FROM 6-FT TO 3.5-FT BETWEEN STA "D" 107+79 LT AND STA "D" 108+00 LT
7. ADJUST EXISTING WATER VALVE BOX TO GRADE
8. REMOVE AND DISPOSE OF TOP SECTION OF EXISTING ABANDONED VALVE BOX
9. MATCH EXISTING
10. GRADE CURB AND GUTTER TO MAINTAIN MINIMUM GUTTER FLOW SLOPE OF 0.5% FROM STA "D" 103+25 TO STRUCTURE S-100
11. STA "D" 104+77.40 TO STA "D" 105+09.45. TRANSITION FROM DEPRESSED CURB AND GUTTER TO 3" CURB AND GUTTER ACROSS DRIVEWAY
12. CONSTRUCT MODIFIED DRIVEWAY CURB CUT ACROSS DRIVEWAY

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

Jim Bergan 12/16/25

Signature Date



PROFILE

PROFILE NOTES:

1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS. MAX LENGTH OF VERTICAL CURVE SHALL BE 20 FEET
4. ABANDONED WATER LINES NOT SHOWN

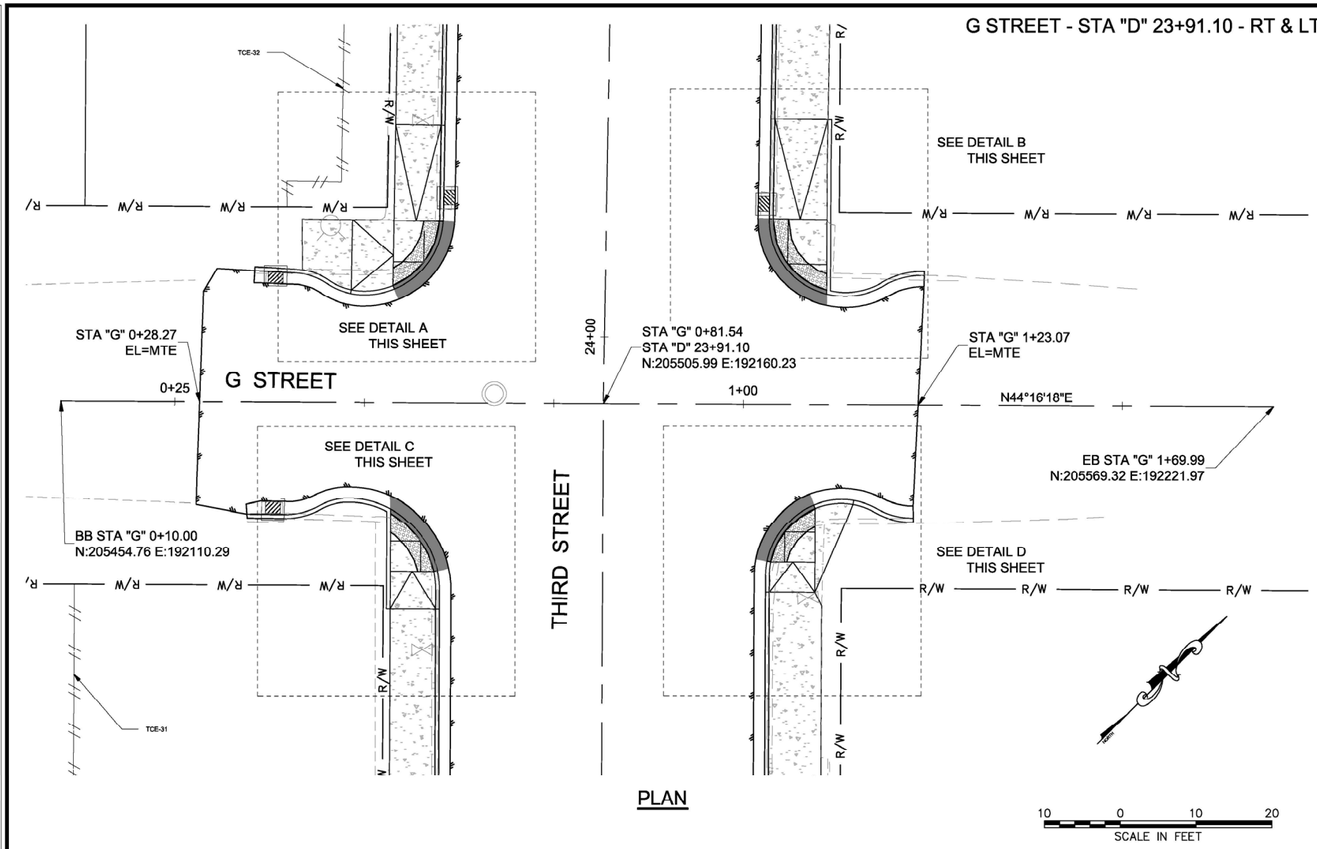
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg | LAYOUT F18 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR | DATE 7/14/2022 10:18

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	G1	G9

G STREET - STA "D" 23+91.10 - RT & LT



PLAN

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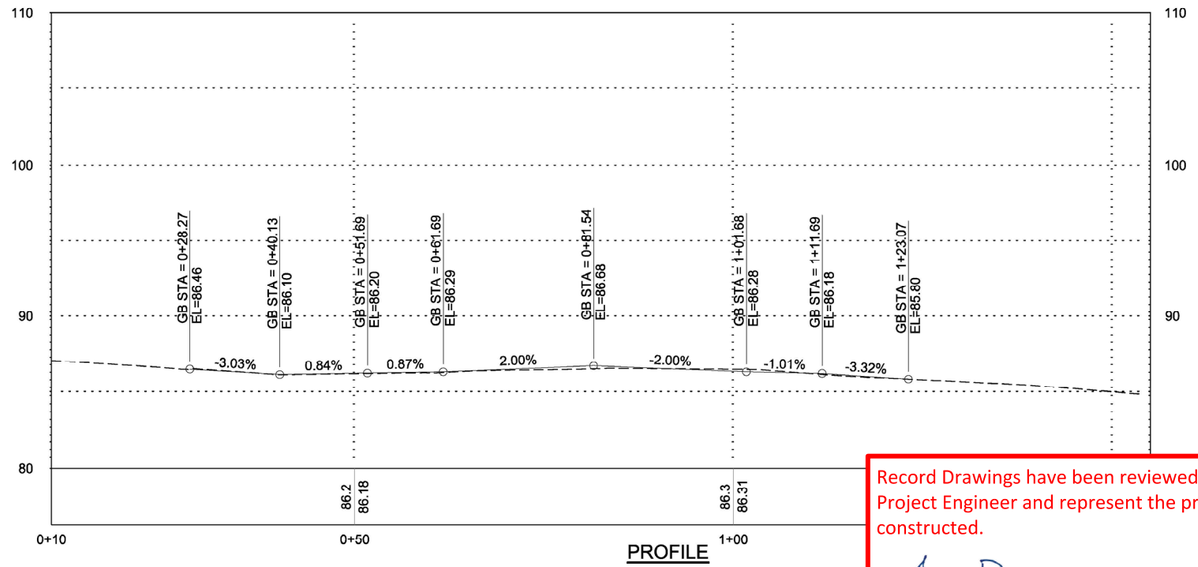
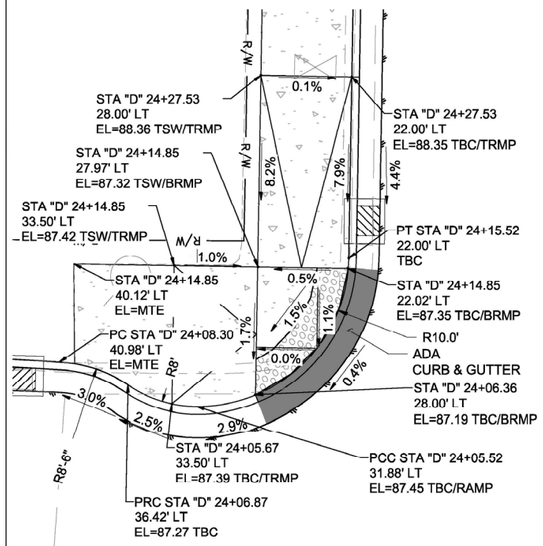


PROFILE

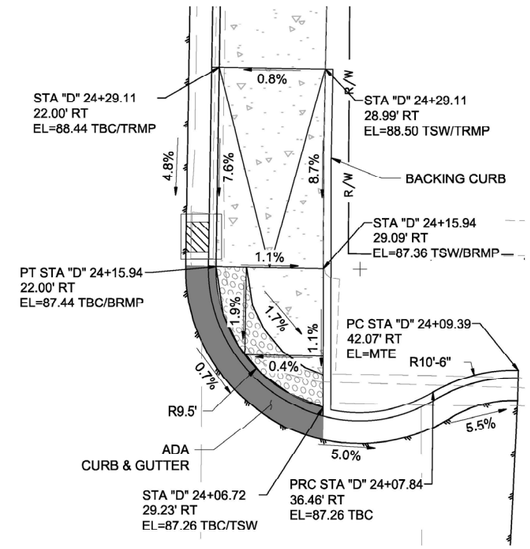
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Jim Bergan 12/16/25

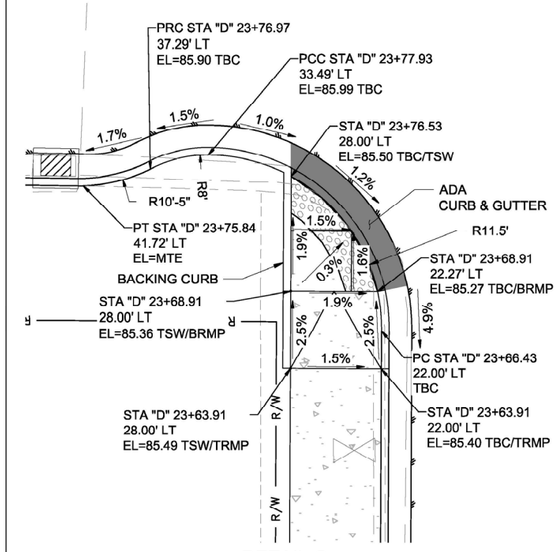
Signature Date



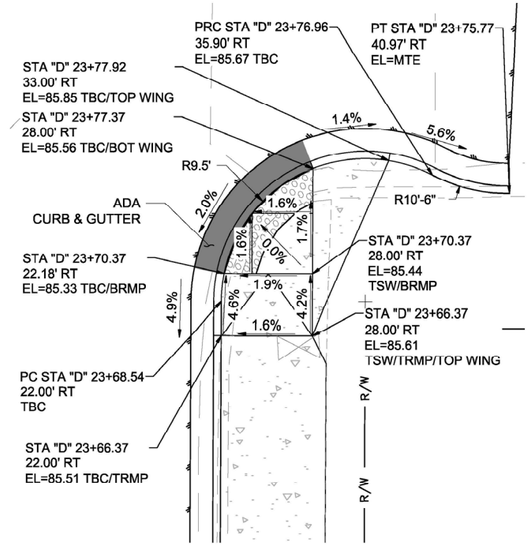
DETAIL A



DETAIL B



DETAIL C



DETAIL D

SCALE IN FEET: 5 0 5 10

NOTES:

1. MATCH VERTICAL AND HORIZONTAL ALIGNMENT TO EXISTING
2. ESTABLISH VERTICAL CURVES ALONG THE ALIGNMENT AS NECESSARY FOR A SMOOTH ALIGNMENT. (NO ANGLE POINTS)
3. ELEVATIONS SHOWN ARE ACTUAL ELEVATIONS

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-GR-G-70897.dwg | DATE 7/15/2022 14:24 | LAYOUT G1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

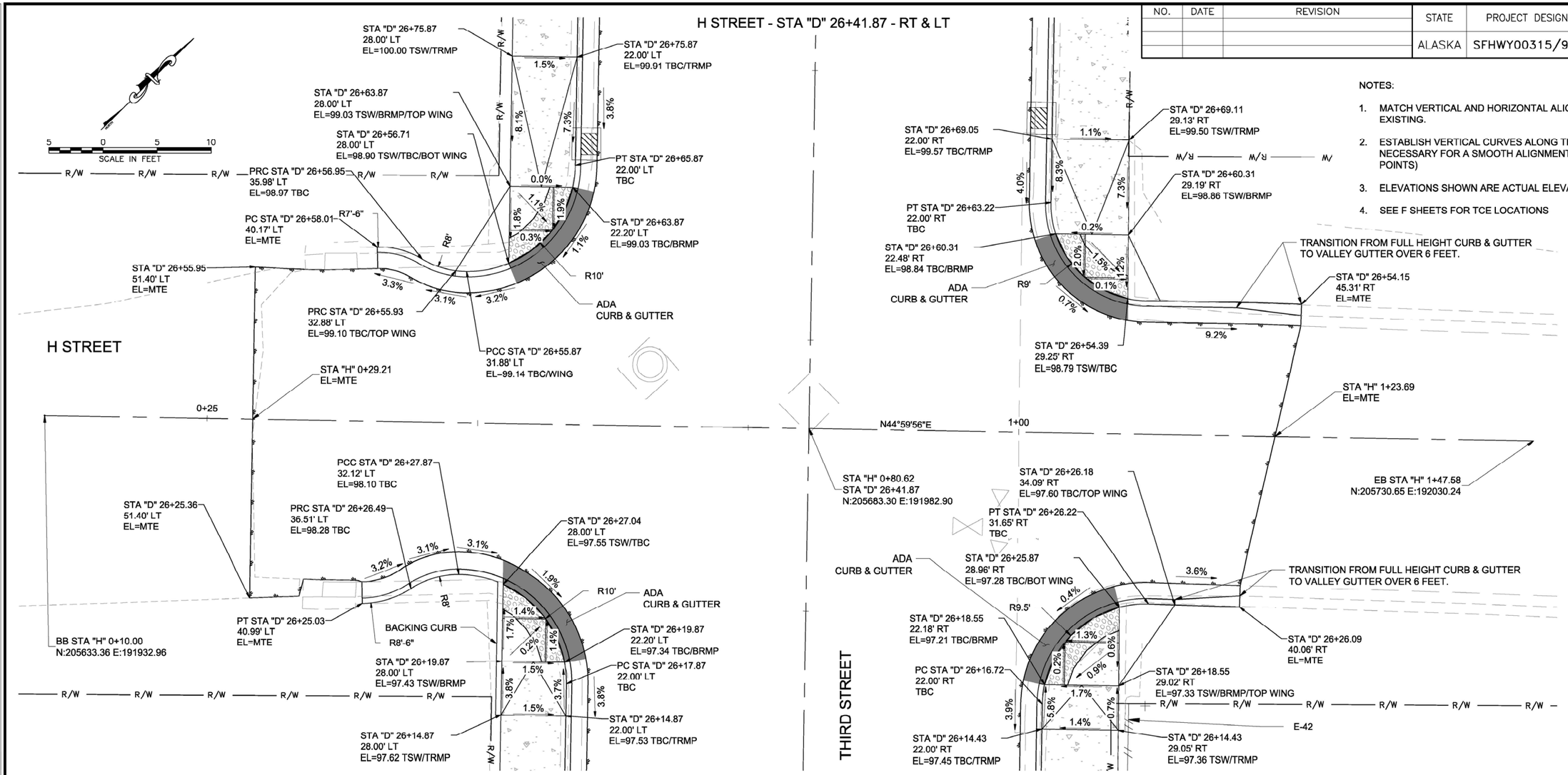
H STREET - STA "D" 26+41.87 - RT & LT

NO.	DATE	REVISION

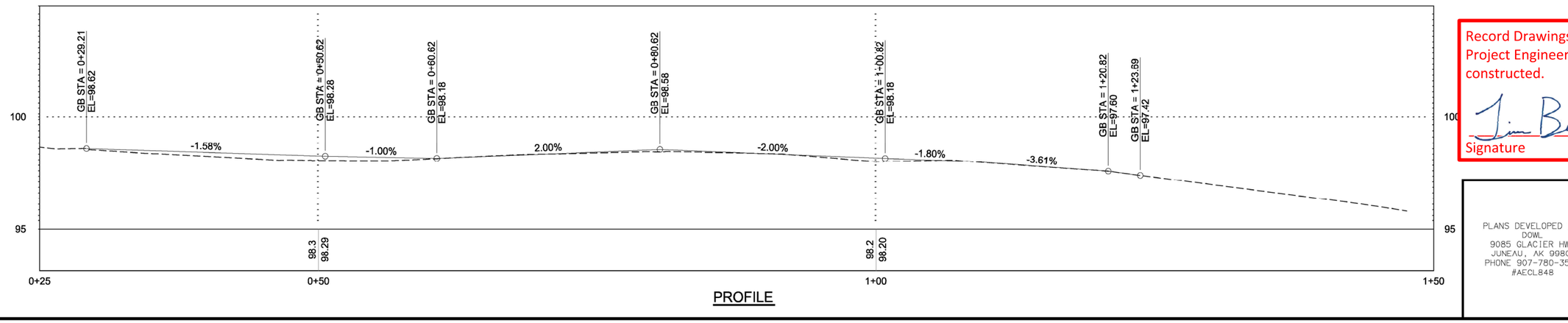
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	G2	G9

NOTES:

1. MATCH VERTICAL AND HORIZONTAL ALIGNMENT TO EXISTING.
2. ESTABLISH VERTICAL CURVES ALONG THE ALIGNMENT AS NECESSARY FOR A SMOOTH ALIGNMENT. (NO ANGLE POINTS)
3. ELEVATIONS SHOWN ARE ACTUAL ELEVATIONS
4. SEE F SHEETS FOR TCE LOCATIONS



PLAN



PROFILE

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

Signature 12/16/25 Date

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-GR-G-70897.dwg
DESIGNED STEPHENS | DRAFTED LAFAVOUR
LAYOUT G2 | CHECKED NOBLE | CERTIFICATE OF AUTH #: AECL848
PHONE (907) 780-3533
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 7/15/2022 14:24

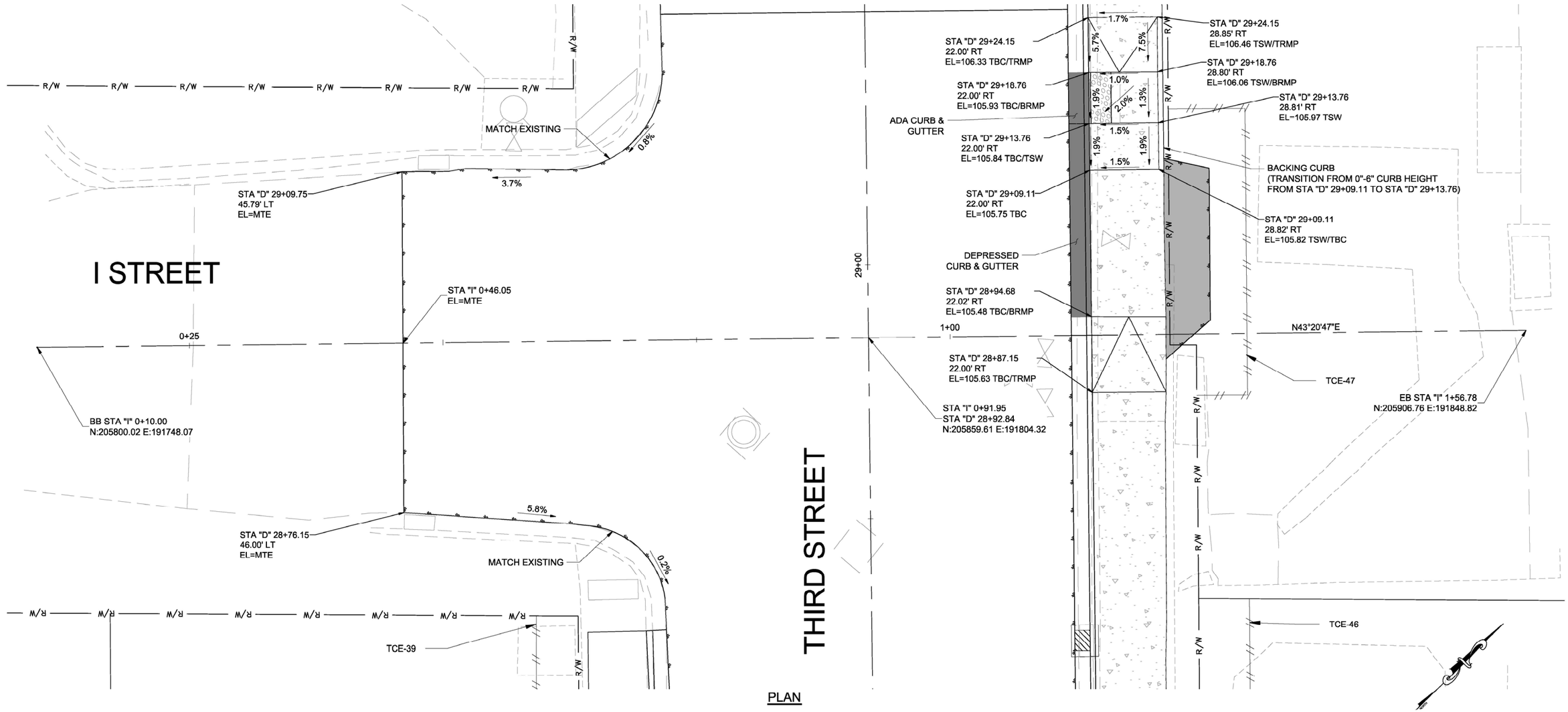
NOTES:

1. MATCH VERTICAL AND HORIZONTAL ALIGNMENT TO EXISTING.

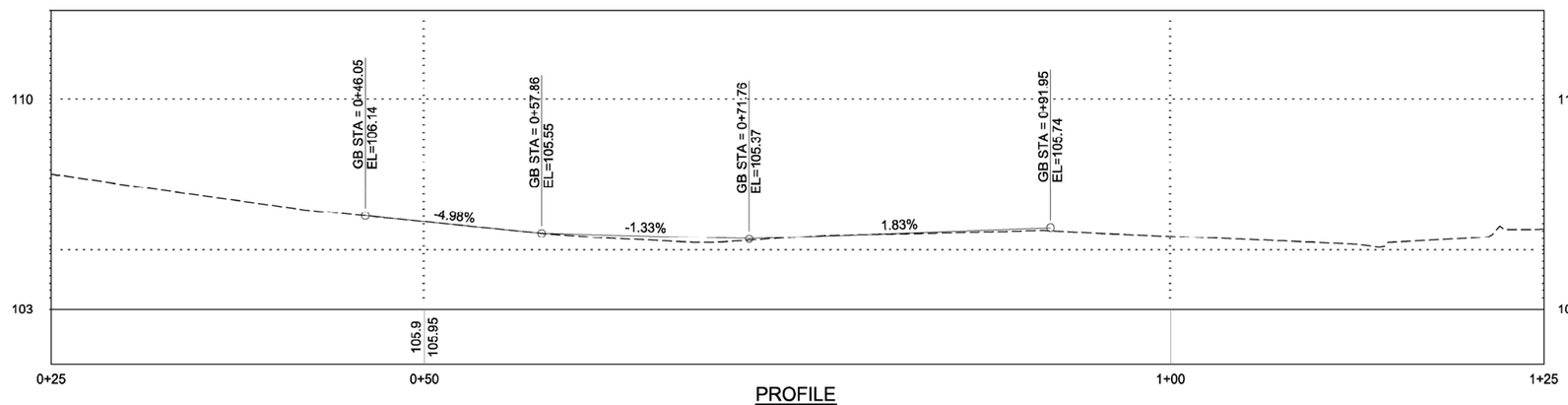
I STREET - STA "D" 28+92.84 - LT

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	G3	G9



PLAN



PROFILE

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

Signature Date 12/16/25

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

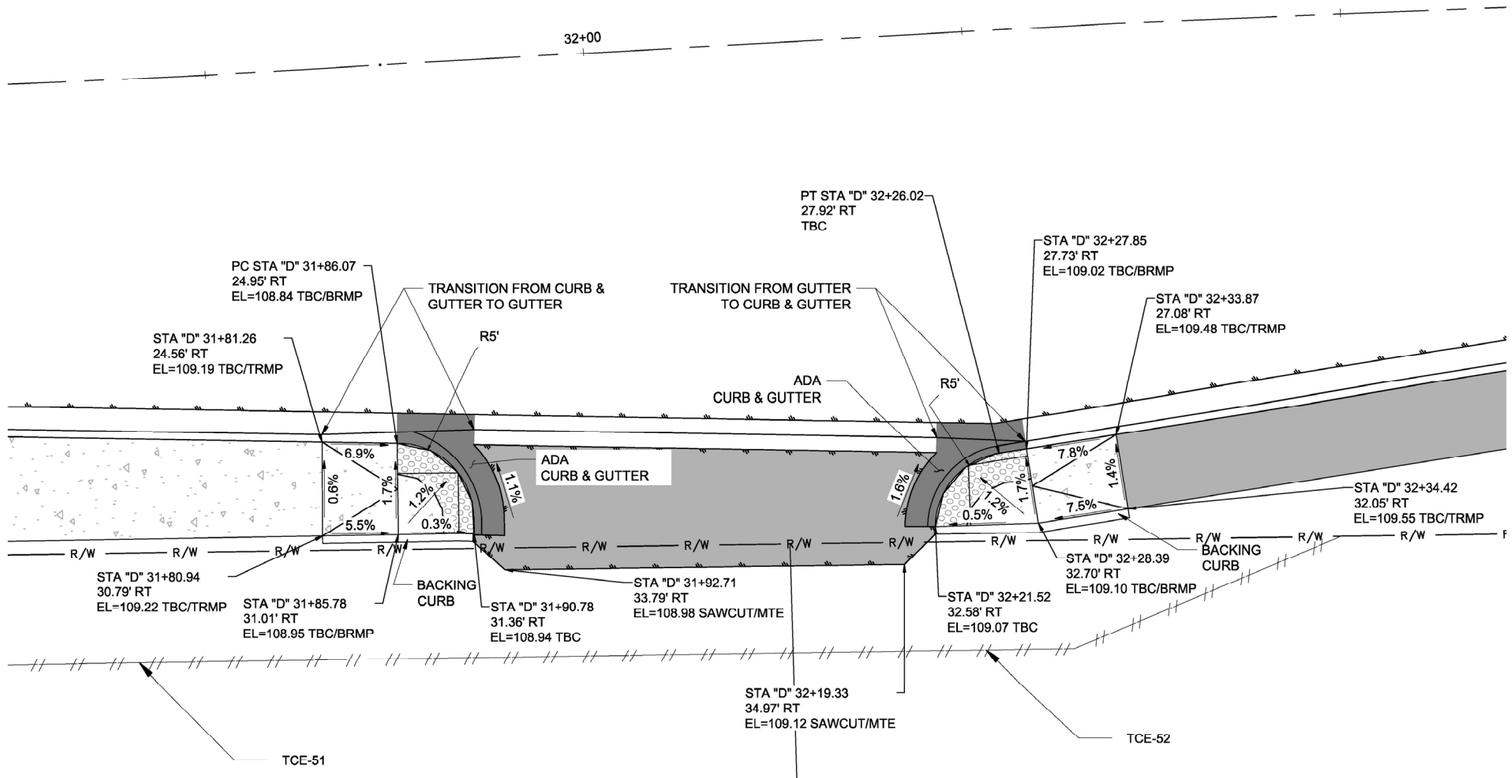
STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-GR-G-70897.dwg | DATE 7/15/2022 14:24 | LAYOUT G3 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	G4	G9

APARTMENT ENTRANCE - STA "D" 32+06 - RT



PLAN

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

Jim Bergan 12/16/25

Signature Date

5 0 5 10

SCALE IN FEET

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

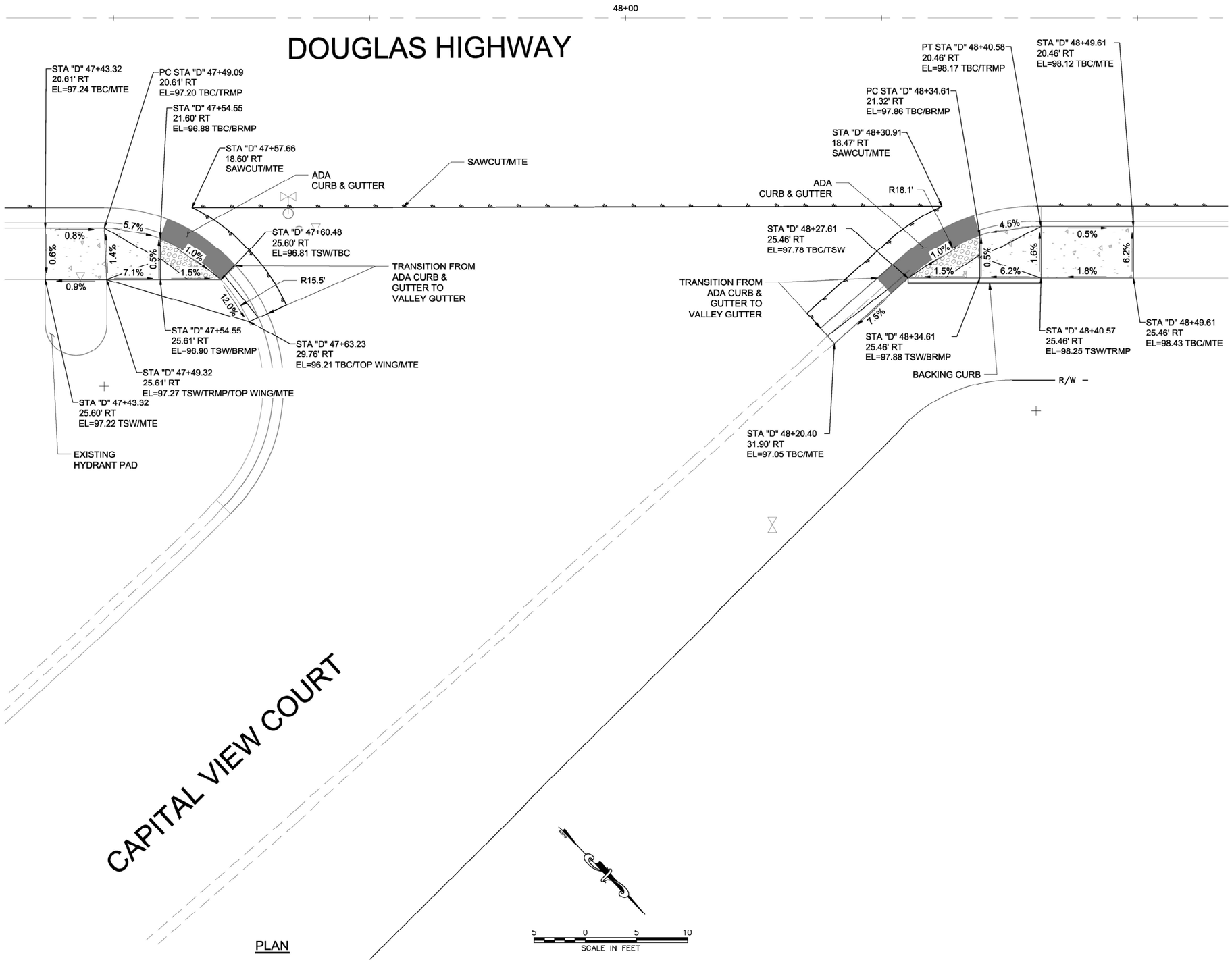
STATE OF ALASKA 49TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-GR-G-70897.dwg | LAYOUT G4 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/15/2022 14:24

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	G5	G9

CAPITAL VIEW COURT - STA "D" 48+00.36 - RT



PLAN

NOTES:

1. MATCH VERTICAL AND HORIZONTAL ALIGNMENT TO EXISTING.

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

Signature

12/16/25
Date

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM	DOWL	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR
DATE	7/15/2022 14:24	LAYOUT	G5				
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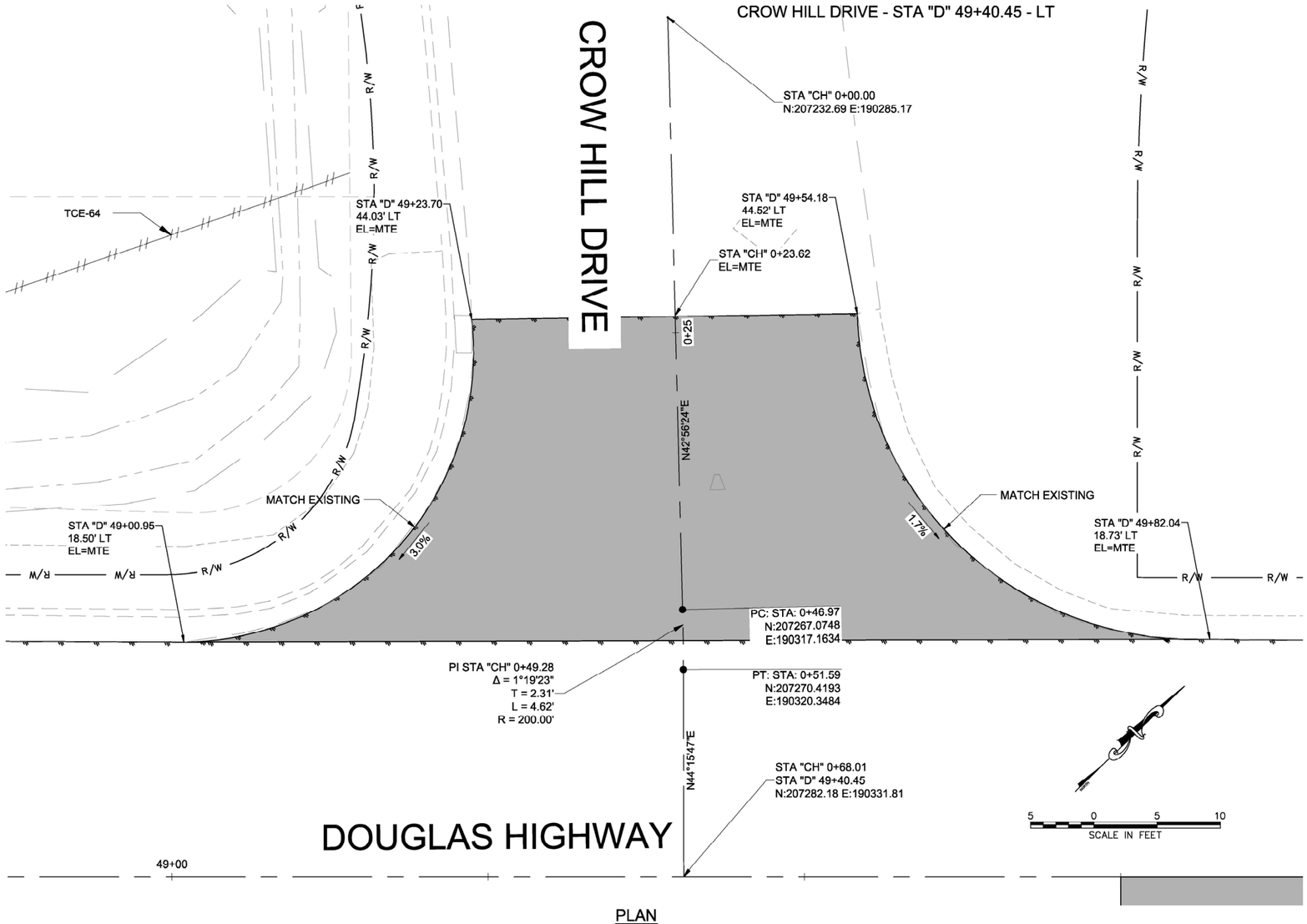
FIRM	DOWL								
FILE	\\JNU-FS\jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-GR-G-70897.dwg	ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
DATE	7/15/2022 14:24	LAYOUT	G6	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR

NO.	DATE	REVISION

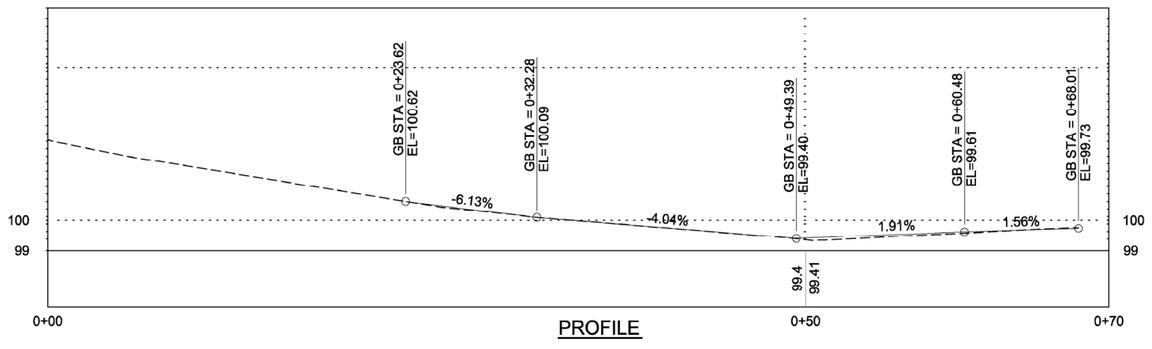
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	G6	G9

NOTES:

1. MATCH VERTICAL AND HORIZONTAL ALIGNMENT TO EXISTING.



PLAN



PROFILE

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Signature Date 12/16/25

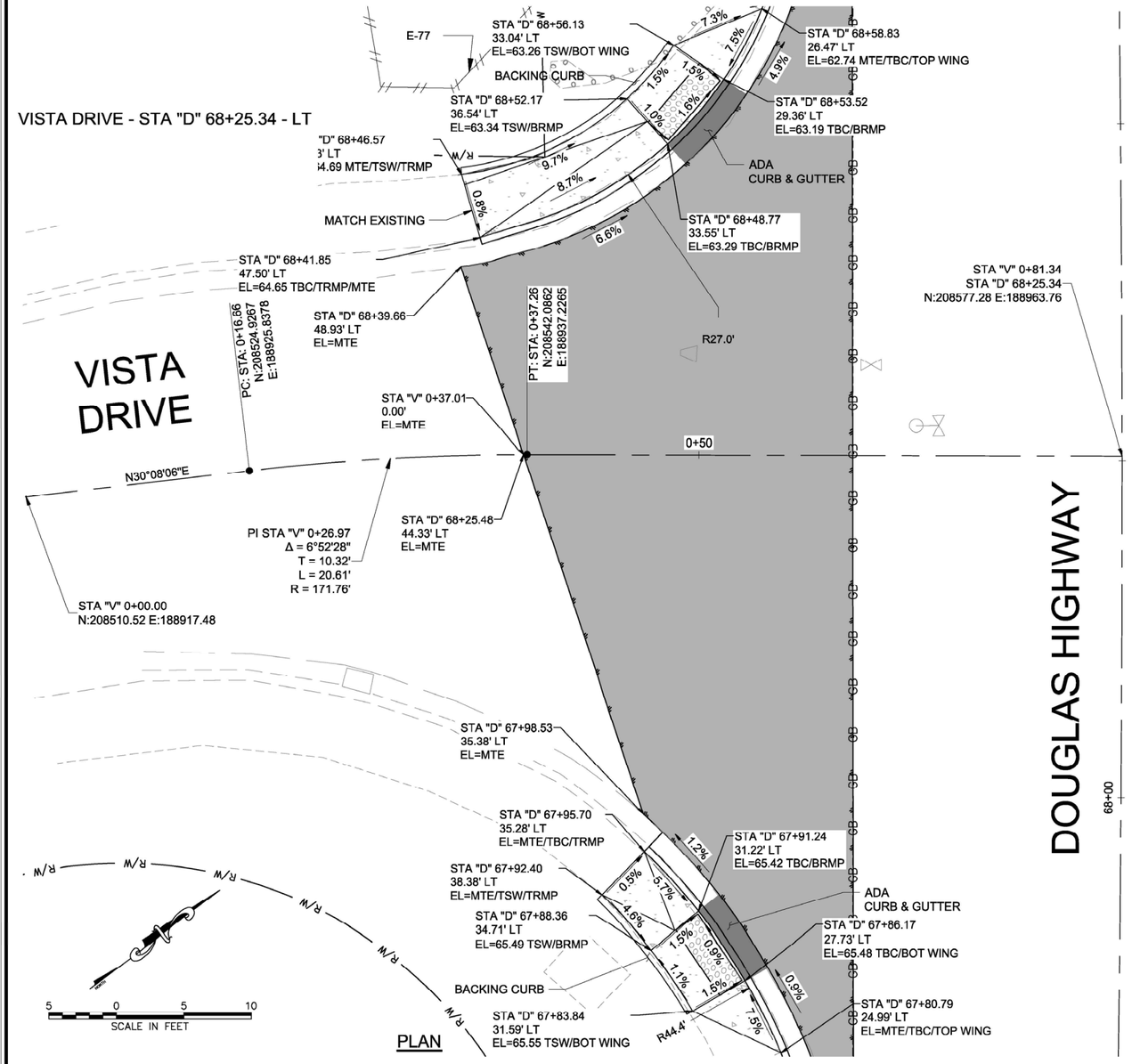
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

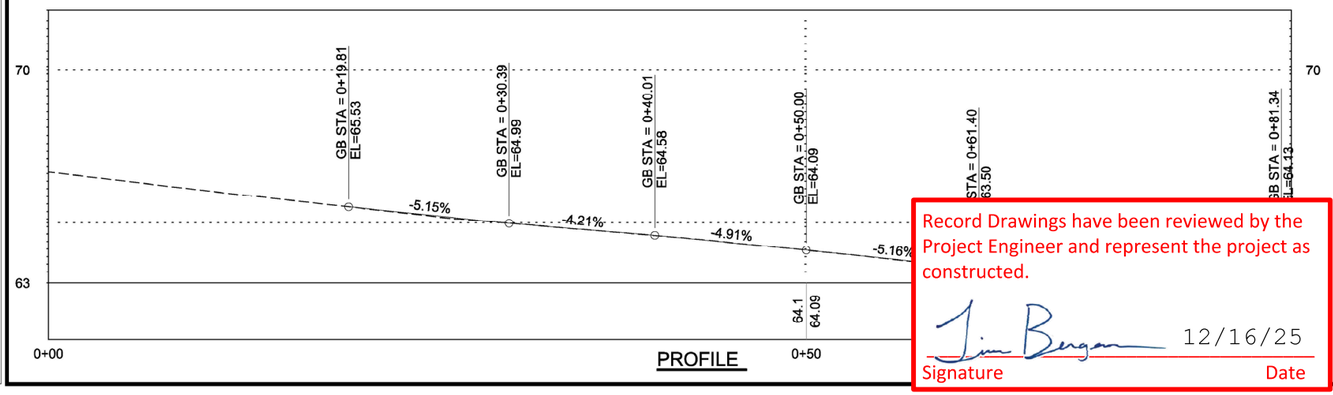
STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

| FIRM | DOWL | | |

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	G8	G9

VISTA DRIVE - STA "D" 68+25.34 - LT



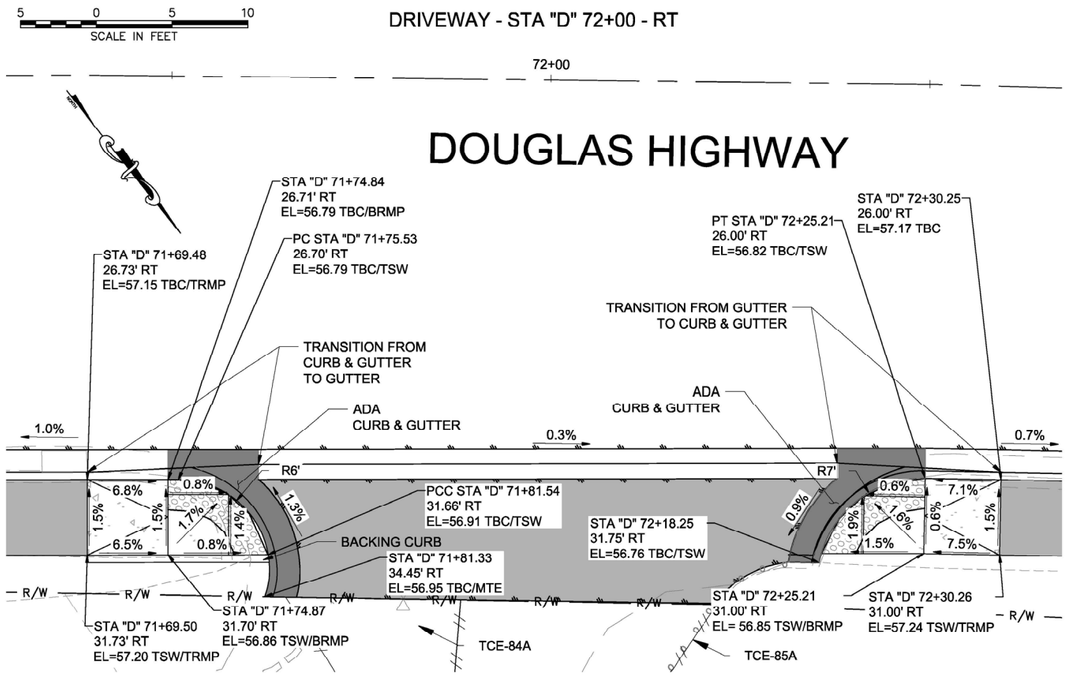


Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

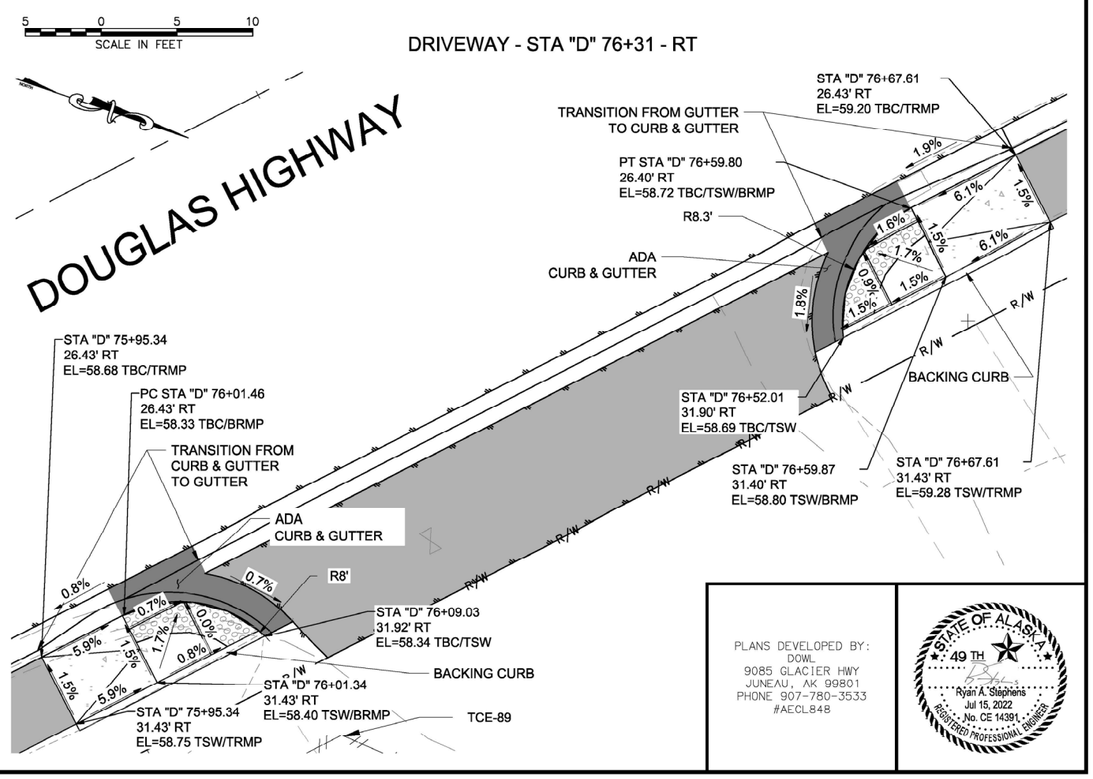
Jim Bergan 12/16/25

Signature Date

DRIVEWAY - STA "D" 72+00 - RT



DRIVEWAY - STA "D" 76+31 - RT



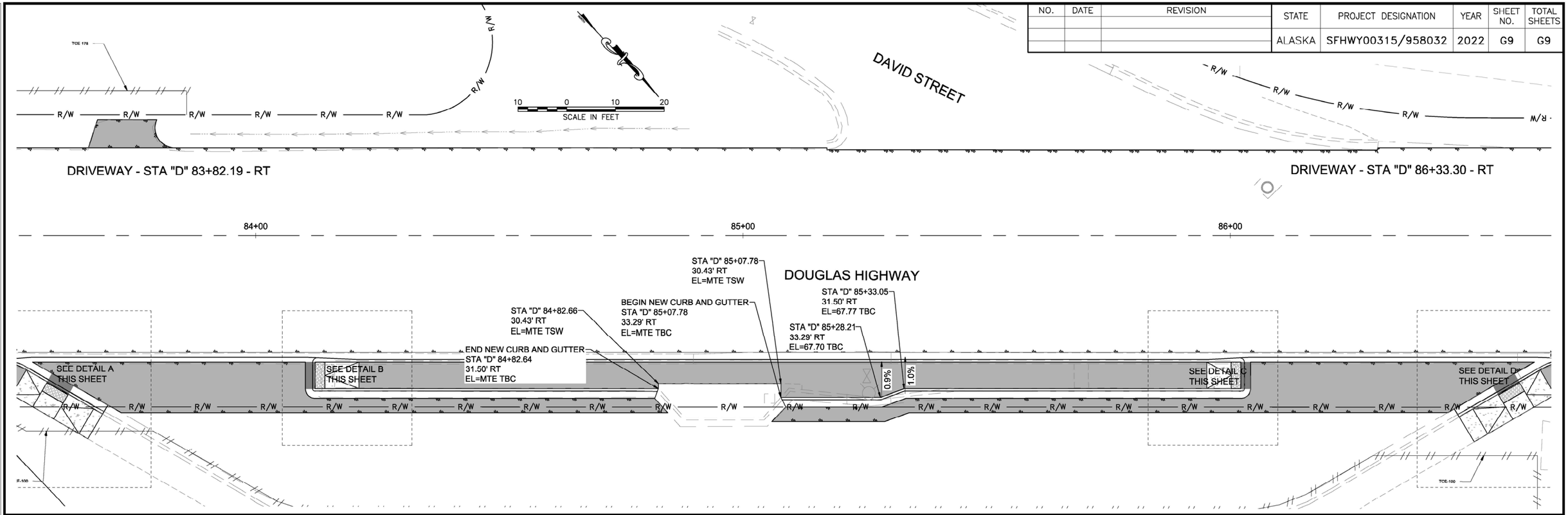
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

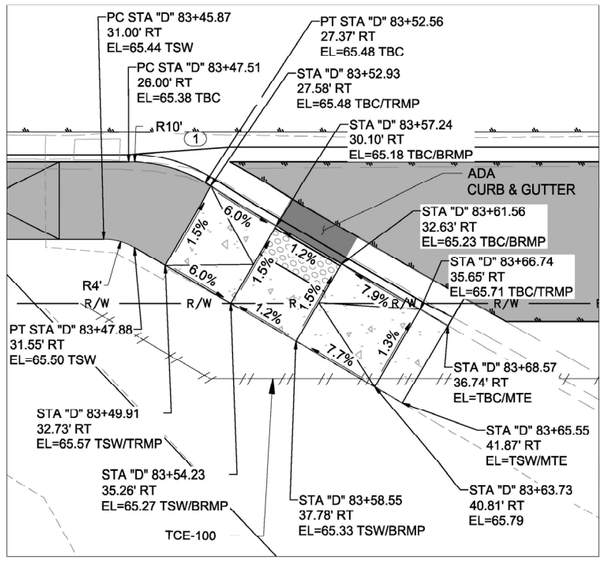
FIRM	DOWL	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR
DATE	7/15/2022 14:24	LAYOUT	G8				
FILE	\\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-GR-G-70897.dwg						

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	G9	G9



DETAIL A



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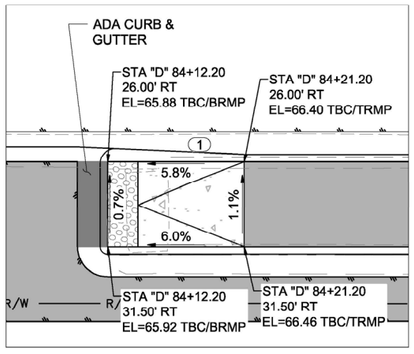
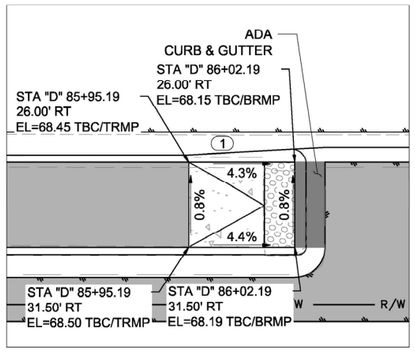
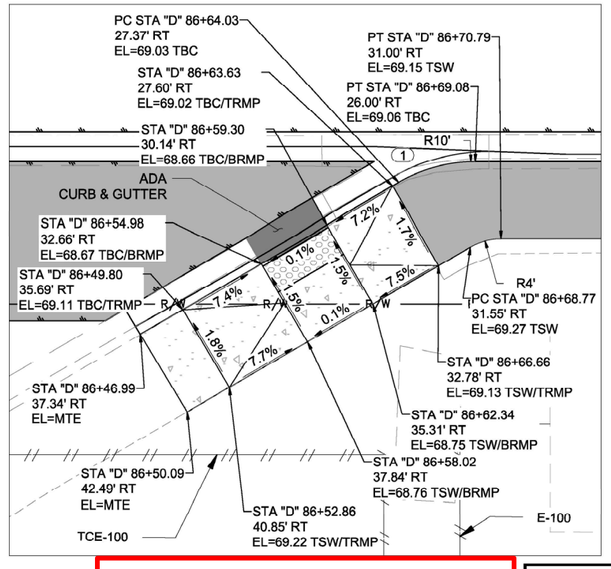


DETAIL C



DETAIL D



PLAN NOTES (X):

1. TRANSITION BETWEEN CURB & GUTTER AND GUTTER

5 0 5 10
SCALE IN FEET

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Jul 15, 2022
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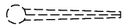
FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase 11\Civil\SC-CT-GR-G-70897.dwg | DATE 7/15/2022 14:24 | DESIGNED STEPHENS | DRAFTED LAFAVOUR
LAYOUT G9 | CHECKED NOBLE

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	H1	H11

LEGEND

LEGEND APPLIES TO "H" SHEETS ONLY.

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		
JUNCTION BOX, TYPE II		
JUNCTION BOX, TYPE III		
SIGNAL POLE W/MAST ARM		
LOAD CENTER		
LUMINAIRE		
RIGID METAL CONDUIT		
SIGN		

ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC
AH	AHEAD
AVE	AVENUE
BPC	BLUE PAINTED CURB
C/A	CONTROL ACCESS
DOT&PF	DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DY	DOUBLE YELLOW
EB	EASTBOUND
EOP	EDGE OF PAVEMENT
IN OR "	INCH
LF	LINEAR FOOT
L.O.C.	LIP OF CURB
MILL	MILLILITERS
MTE	MATCH TO EXISTING
NB	NORTHBOUND
NE	NORTHEAST
NO.	NUMBER
NTS	NOT TO SCALE
NW	NORTHWEST
RP	REFERENCE POINT
SB	SOUTHBOUND
SE	SOUTHEAST
SW	SOUTHWEST
SF	SQUARE FOOT
SY	SQUARE YARD
STD	SEE STANDARD PLAN
TYP	TYPICAL
V	DESIGN SPEED
W	WHITE
WB	WESTBOUND
WD	WHITE DASHED
Y	YELLOW
YPC	YELLOW PAINTED CURB

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
H-1	TRAFFIC LEGEND, DETAILS, AND SHEET INDEX
H-2 TO H-9	SIGNING AND STRIPING PLAN SHEETS
H-9 TO H-11	SIGN SUMMARY

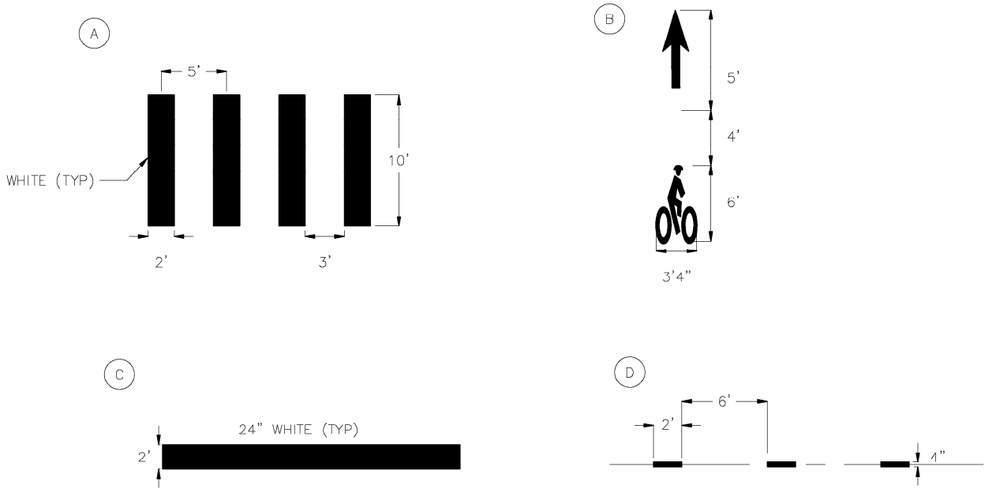
TRAFFIC MARKING SUMMARY

DESCRIPTION	UNIT	QUANTITY	STRIPING THICKNESS (MIL)	REMARKS
670.2002.0000 – MMA PAVEMENT MARKINGS, INLAID				
4" W	LF	19,678	125	
4" DY	LF	7,350	125	
CROSSWALK BARS (ZEBRA)	SF	160	125	
BIKE LANE SYMBOLS	EACH	14	125	

670.2001.0000 – MMA PAVEMENT MARKINGS, SURFACE APPLIED				
STOP BARS	SF	1,104	60	

670.0001.0000 – PAINTED TRAFFIC MARKINGS			
YCP	LF	1,328	SEE SPECIFICATIONS
BCP	LF	20	SEE SPECIFICATIONS

PAVEMENT DETAILS



SIGNING KEY

(#) STATION
SIGN CODE(S)
SIGN LOCATION #

PAVEMENT MARKING KEY

(X) STATION
SIGN CODE(S)
DETAIL LETTER

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Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA – 49 TH – Ryan A. Stephens – Jul 15, 2022 – No. CE 14391 – REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II

TRAFFIC LEGEND AND NOTES

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DESIGNED STEPHENS | CHECKED NOB.E | DRAFTED LAFAVOUR
FILE \\JNU-FS\Jnu-projects\22\70897-22\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg | LAYOUT H1 | DATE 7/15/2022 8:15

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	H2	H11

F STREET

G STREET

H STREET

3RD STREET

I STREET

DOUGLAS HIGHWAY

2 HR PARKING 9AM TO 6PM EXCEPT SUNDAYS AND HOLIDAYS

KEEP EXISTING STOP SIGN

SPEED LIMIT 30

SCHOOL SPEED LIMIT 20 WHEN FLASHING

AHEAD

BIKE LANE

ENDS

NO PARKING ANY TIME

KEEP EXISTING SCHOOL DROP OFF SIGN

KEEP EXISTING DO NOT ENTER SIGN

KEEP EXISTING BUS/NO PARKING SIGN

KEEP EXISTING SPEED LIMIT 5 MPH SIGN

KEEP EXISTING BUS STOP SIGN

MATCHLINE STA "D" 27+00

MATCHLINE STA "D" 33+00

SCALE IN FEET

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Signature Date 12/16/25

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PHONE 907-780-3533
#AECL848

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Ryan A. Stephens
Jul 15, 2022
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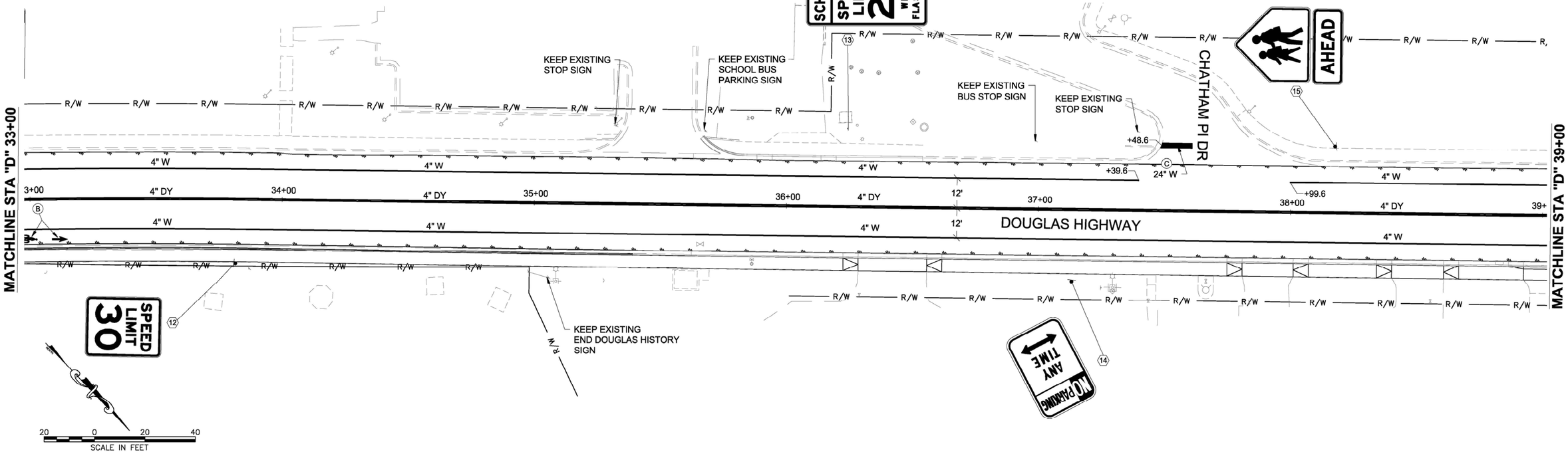
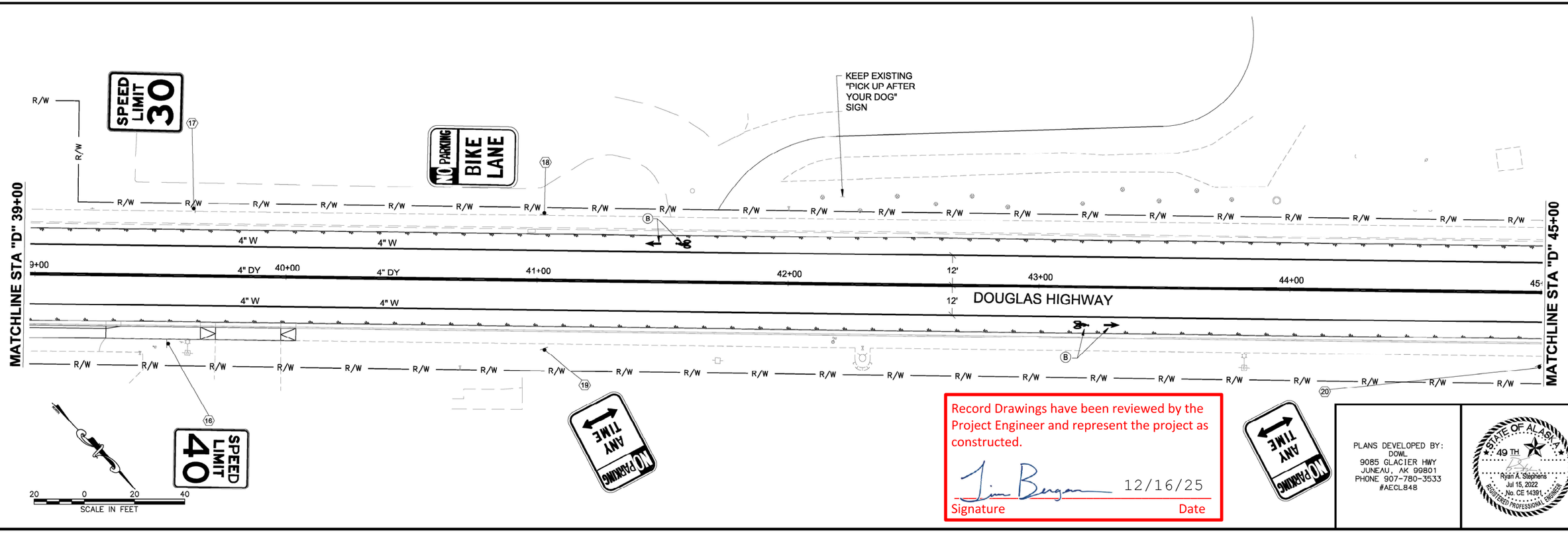
FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg | LAYOUT H2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
PLOTTED 7/15/2022 8:15

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	H3	H11





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Jim Bergan 12/16/25

Signature Date

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DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
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STATE OF ALASKA 49 TH
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FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
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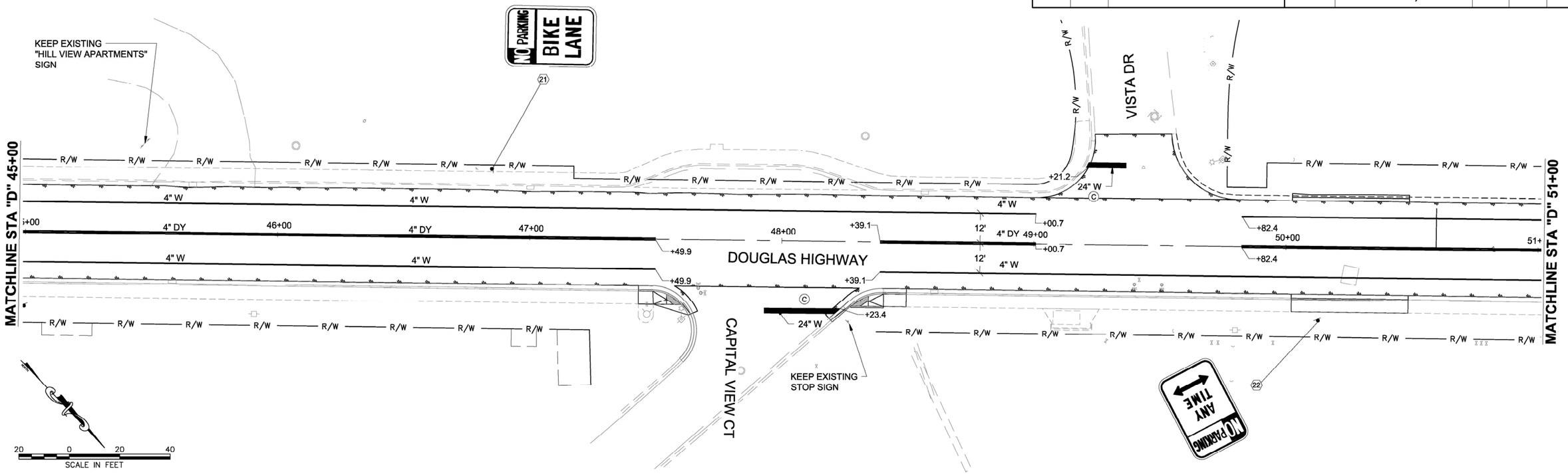
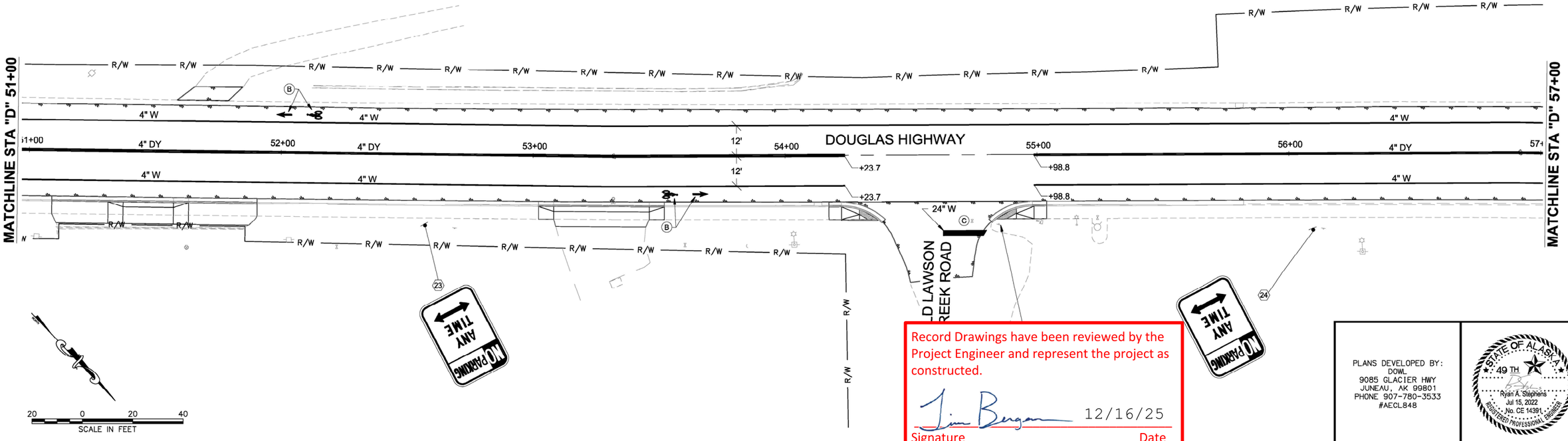
DATE 7/15/2022 8:15

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	H4	H11





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Jim Bergan 12/16/25

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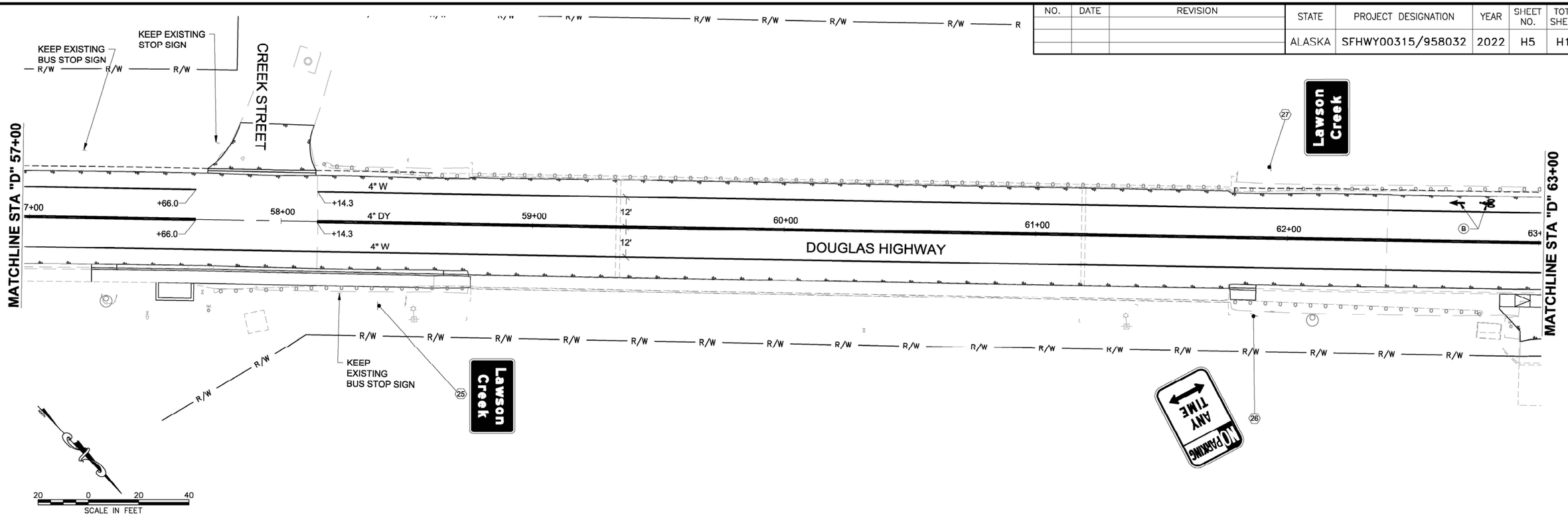
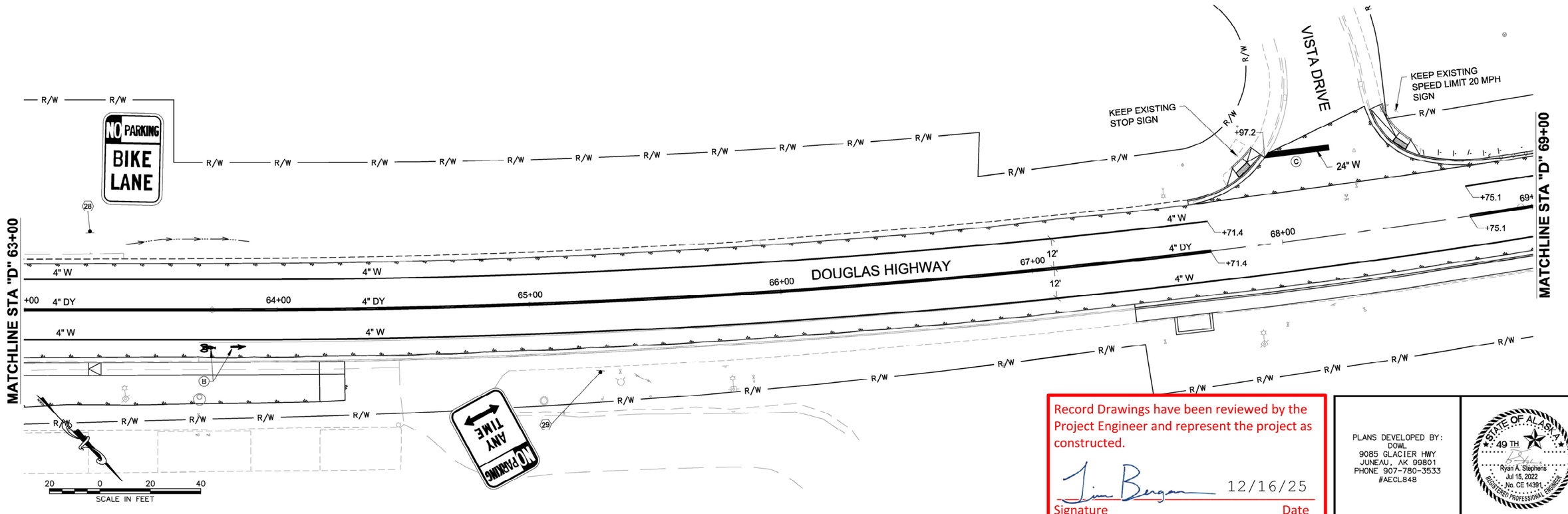
DATE 7/15/2022 8:15

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	H5	H11





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Signature 12/16/25 Date

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#AECL848

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 15, 2022
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FIRM	DOWL	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR
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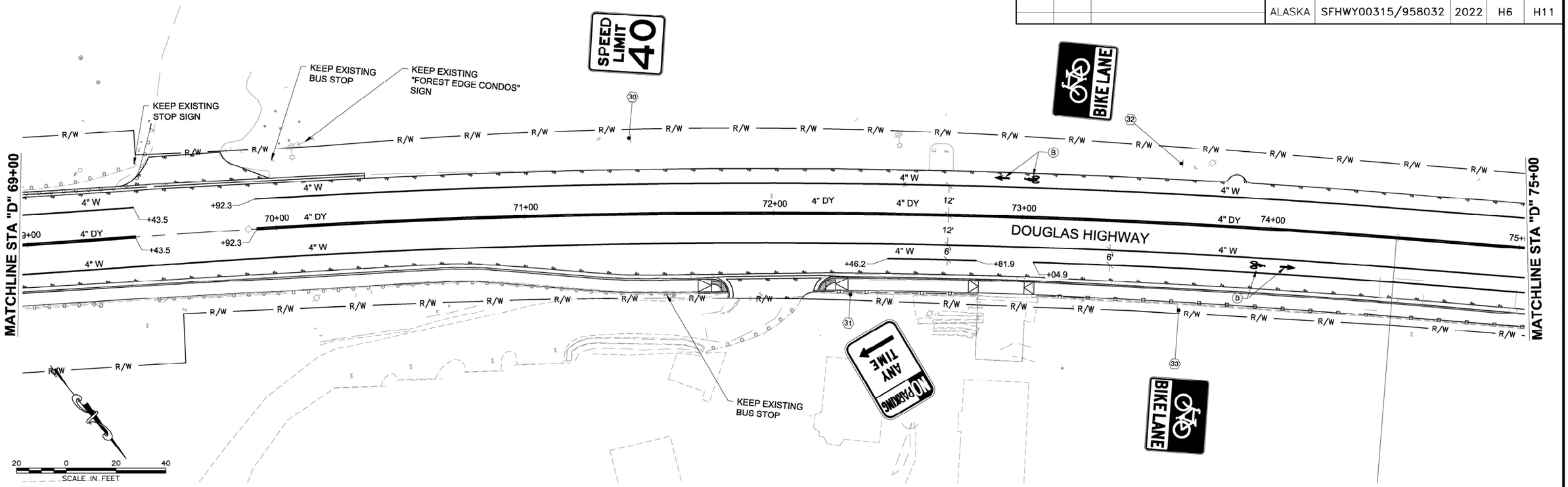
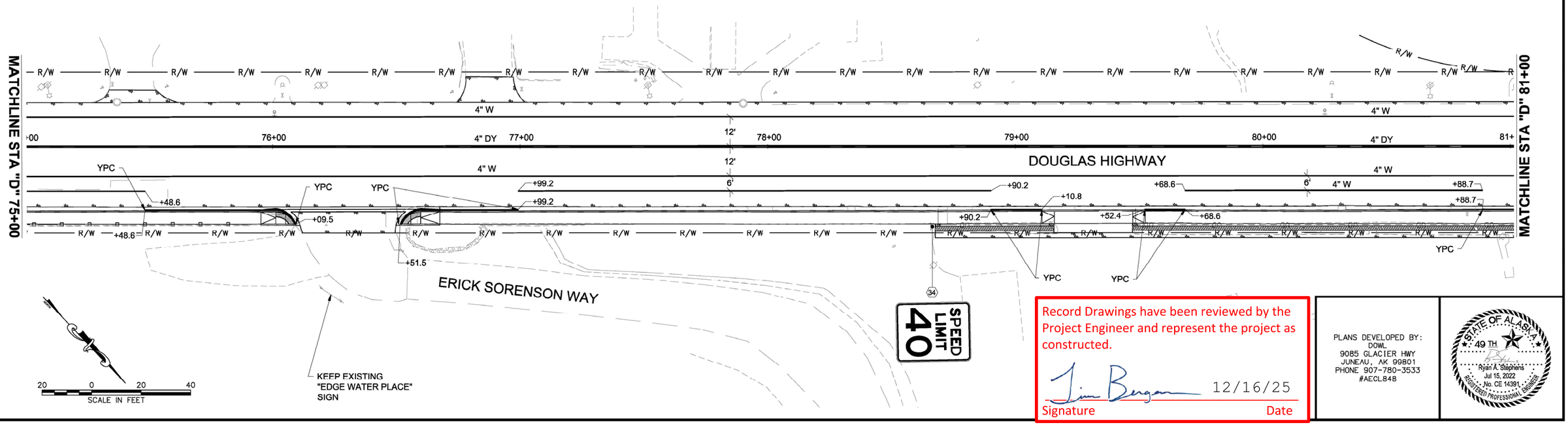
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	H6	H11





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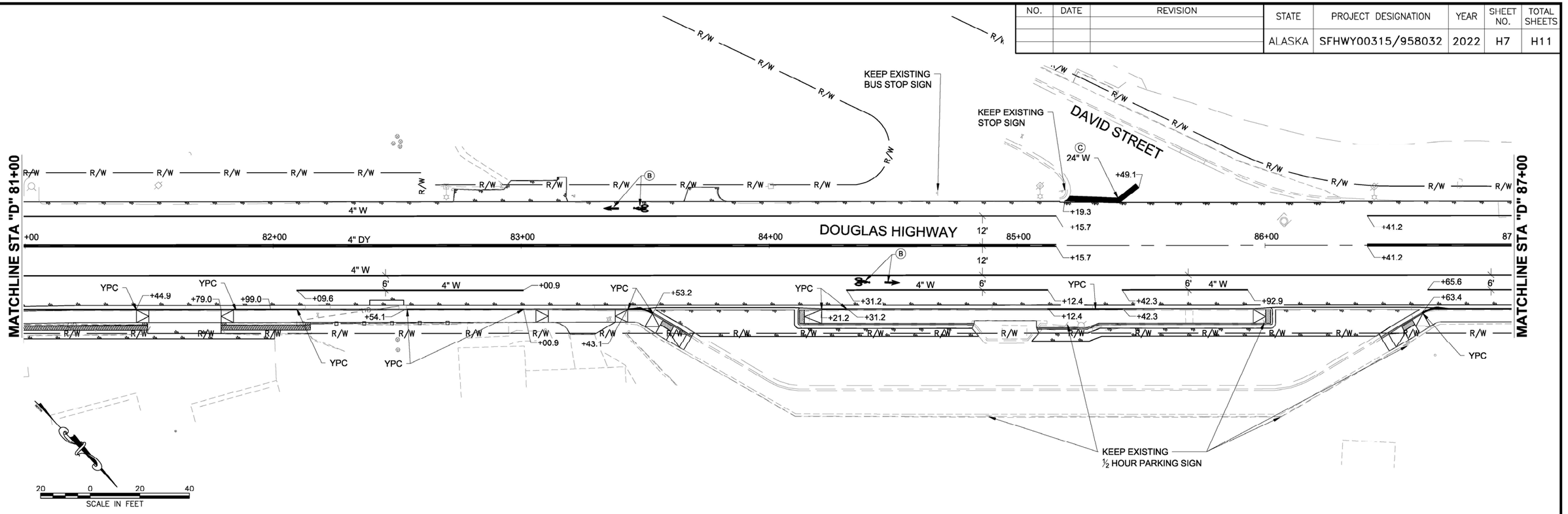
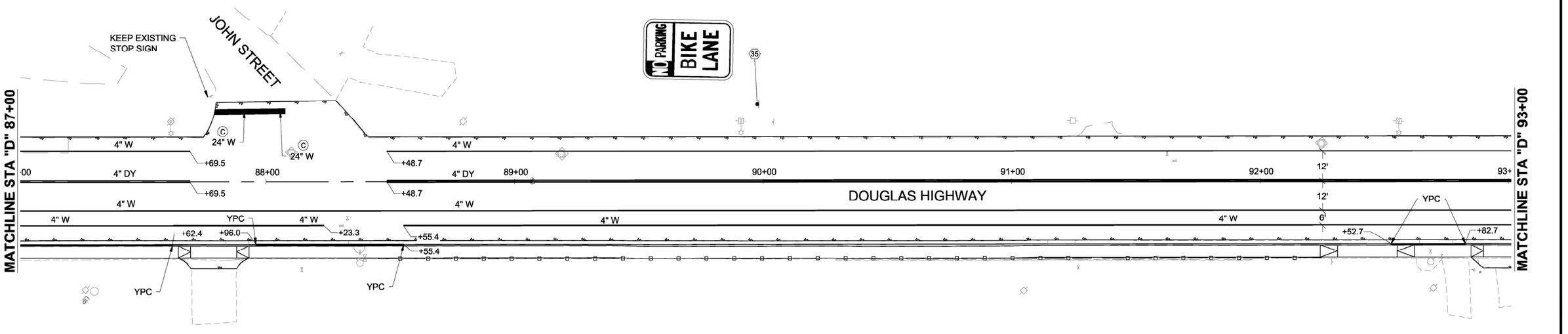
FILE	\\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg	DATE	7/15/2022 8:15	LAYOUT	H6	DESIGNED	STEPHENS
						CHECKED	NOBLE
						DRAFTED	LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	H7	H11





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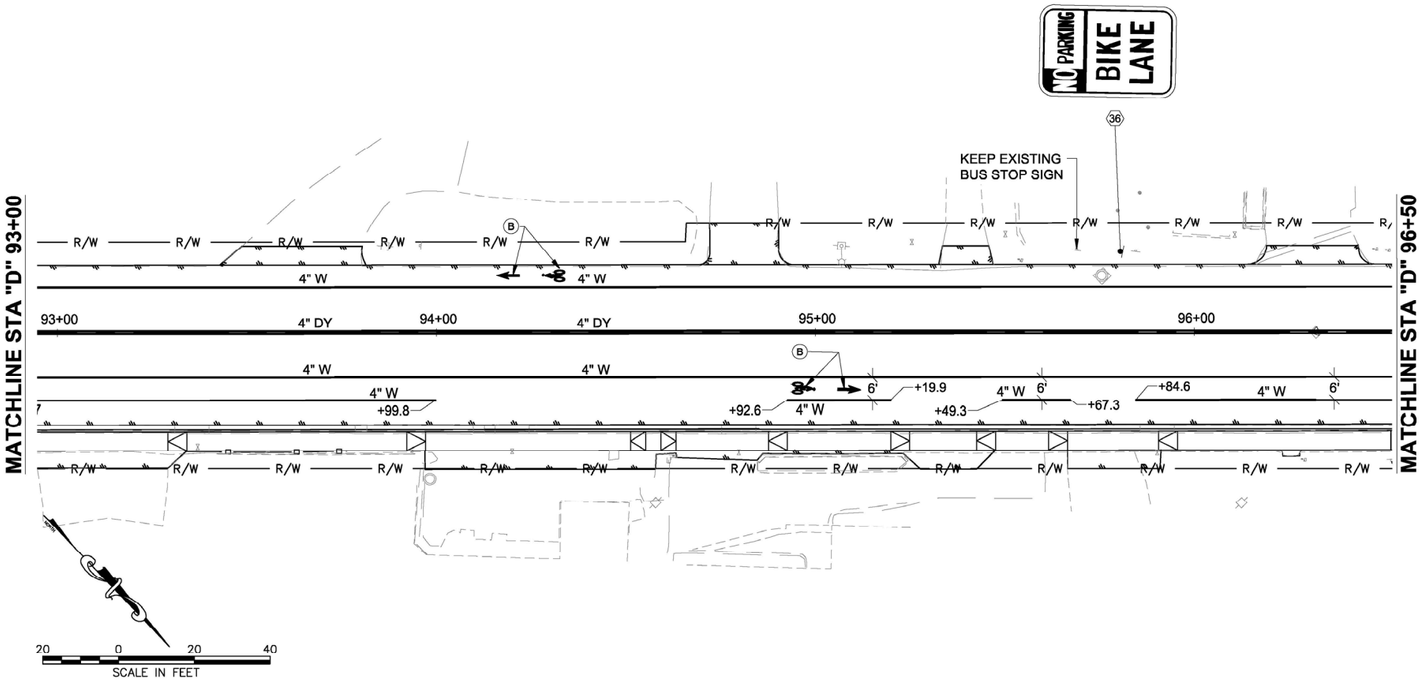
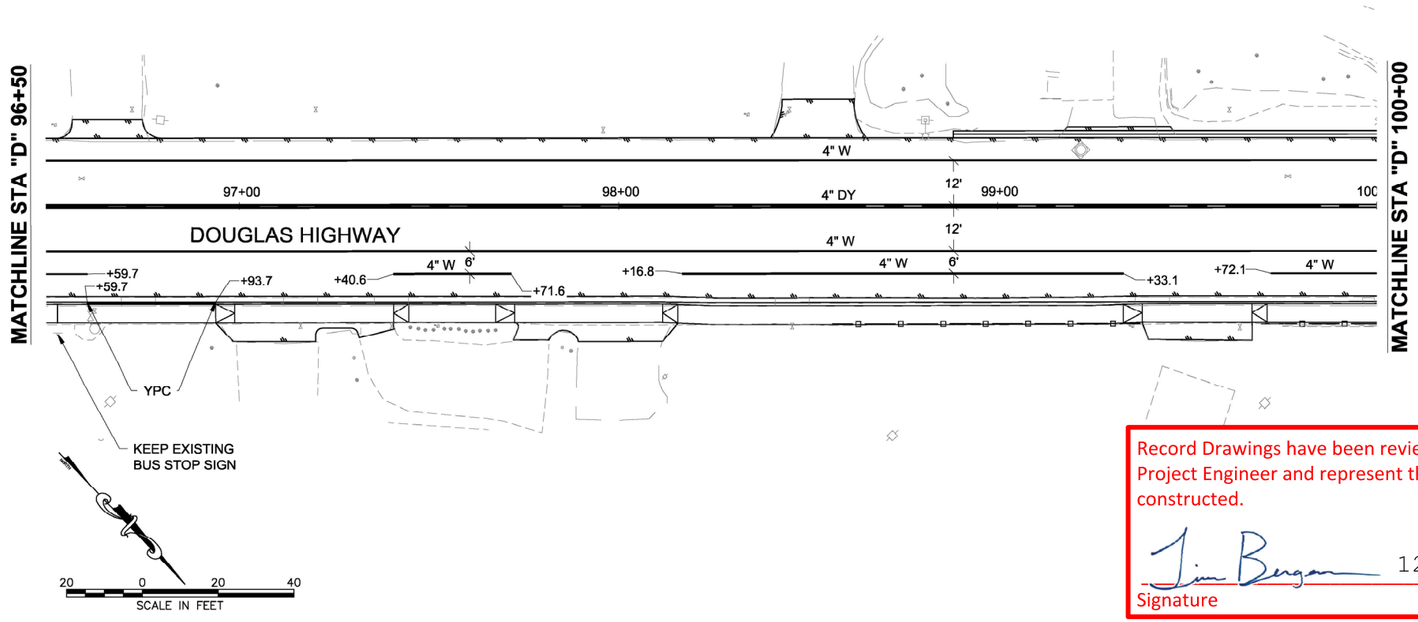
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg | LAYOUT H7 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/15/2022 8:15

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	H8	H11





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FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg | DATE 7/15/2022 8:15 | LAYOUT H8 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	H9	H11

SHEET	POST NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND/SIGN	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ.FT)	SIGN FACES	POSTS NO., SIZE, & TYPE	BRACING/FRAMING BRACED	BRACING/FRAMING FRAMED	REMARKS
H2	1	"D" 22+90	LT	R7-108RL	2 HOUR PARKING 9 AM TO 6PM	12	18	1.5	N	1-2.5" PST			MOUNT R8-3B UNDER R7-108RL ON SAME POST.
				R8-3B	EXCEPT SUNDAYS & HOLIDAYS	24	18	3					
	2	"D" 23+55	RT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9	SF	1-3.0" ST	X		SIGN COLOR SHALL BE FLUORESCENT YELLOW GREEN. ADD REFLECTIVE SHEETING TO POST. MOUNT W16-9P UNDER S1-1 ON SAME POST.
				W16-9P	AHEAD	24	12	2					
	3	"D" 25+67	LT	R2-1	SPEED LIMIT 30	24	30	5	NW	1-2.5" PST			
	4	"D" 26+18	RT	S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	24	48	8	SE	EXISTING			INSTALL ON EXISTING FLASHER PER STD PLAN NO. S-05.02.
	5	"D" 27+47	RT	R7-108R	2 HOUR PARKING 9 AM TO 6PM	12	18	1.5	S	1-2.5" PST			MOUNT R7P-101L UNDER R7-108R ON SAME POST.
				R7P-101L	NO PARKING ANYTIME	12	18	1.5					
	6	"D" 27+94	LT	R7-108L	2 HOUR PARKING 9 AM TO 6PM	12	18	1.5	N	1-2.5" PST			MOUNT R8-3B UNDER R7-108L ON SAME POST.
				R8-3B	EXCEPT SUNDAYS & HOLIDAYS	24	18	3					
	7	"D" 29+22	RT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9	SE	1-3.0" ST	X		SIGN COLOR SHALL BE FLUORESCENT YELLOW GREEN. ADD REFLECTIVE SHEETING TO POST. MOUNT W16-9PL UNDER S1-1 ON SAME POST.
				W16-7PL	DIAGONAL ARROW (PLAQUE)	24	12	2					
	8	"D" 29+32	LT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9	NW	1-3.0" ST	X		SIGN COLOR SHALL BE FLUORESCENT YELLOW GREEN. ADD REFLECTIVE SHEETING TO POST. MOUNT W16-7PL UNDER S1-1 ON SAME POST.
				W16-7PL	DIAGONAL ARROW (PLAQUE)	24	12	2					
	9	"D" 31+39	RT	R3-17	BIKE LANE	30	24	5	SE	1-2.5" PST	X		MOUNT R3-17A R3-17 ON SAME POST.
				R3-17A	AHEAD	30	12	2.5			X		
	10	"D" 32+41	RT	R7-101RL	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			
	11	"D" 32+84	LT	R3-17	BIKE LANE	30	24	5	NW	1-2.5" PST	X		MOUNT R3-17B UNDER R3-17 ON SAME POST.
				R3-17B	ENDS	30	12	2.5			X		

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

Signature 12/16/25 Date

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II

SIGN SUMMARY

FIRM DOWL
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 7/15/2022 8:15 | LAYOUT H9 | DESIGNED STEPHENS | CHECKED NOB.E | DRAFTED LAFAVOUR
FILE \\JNU-FS\Jnu-projects\22\70897-22\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	H10	H11

SHEET	POST NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND/SIGN	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ.FT)	SIGN FACES	POSTS NO., SIZE, & TYPE	BRACING/FRAMING BRACED	BRACING/FRAMING FRAMED	REMARKS
H3	12	"D" 33+81	RT	R2-1	SPEED LIMIT 30	24	30	5	SE	1-2.5" PST			
	13	"D" 36+24	LT	S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	24	48	8	NW	EXISTING			INSTALL ON EXISTING FLASHER PER STD PLAN NO. S-05.02.
	14	"D"37+13	RT	R7P 101RL	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			
	15	"D" 38+17	LT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9	NW	1-3.0" ST	X		SIGN COLOR SHALL BE FLUORESCENT YELLOW GREEN. ADD REFLECTIVE SHEETING TO POST. MOUNT W16-9P UNDER S1-1 ON SAME POST.
				W16-9P	AHEAD	24	12	2					
	16	"D" 39+53	RT	R2-1	SPEED LIMIT 40	24	30	5	SE	1-2.5" PST			
	17	"D" 39+62	LT	R2-1	SPEED LIMIT 30	24	30	5	NW	1-2.5" PST			
	18	"D" 41+03	LT	R7-9	NO PARKING BIKE LANE	12	18	1.5	NW	1-2.5" PST			
	19	"D" 41+03	RT	R7P-101RL	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			
	20	"D" 45+00	RT	R7P-101RL	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			
H4	21	"D" 46+85	LT	R7-9	NO PARKING BIKE LANE	12	18	1.5	NW	1-2.5" PST			
	22	"D" 50+13	RT	R7P-101RL	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			
	23	"D" 52+57	RT	R7P-101RL	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			
	24	"D" 56+10	RT	R7P-101RL	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			

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

Signature 12/16/25 Date

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

SIGN SUMMARY

FIRM DOWL | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-22\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg | DESIGNED STEPHENS | CHECKED NOB.E | DRAFTED LAFAVOUR
DATE 7/15/2022 8:15 | LAYOUT H10
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	H11	H11

SHEET	POST NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND/SIGN	SIZE (IN)		AREA (SQ.FT)	SIGN FACES	POSTS	BRACING/FRAMING		REMARKS
						WIDTH	HEIGHT			NO., SIZE, & TYPE	BRACED	FRAMED	
H5	25	"D" 58+40	RT	I-3	LAWSON CREEK	30	18	3.75	SE	1-2.5" PST	X		BEHIND GUARDRAIL, REFER TO STD PLAN NO. S-05.02, AND S-32.02.
	26	"D" 61+87	RT	R7P-101RL	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			BEHIND GUARDRAIL, REFER TO STD PLAN NO. S-05.02, AND S-32.02.
	27	"D" 61+93	LT	I-3	LAWSON CREEK	30	18	3.75	NW	1-2.5" PST	X		
	28	"D" 63+26	LT	R7-9	NO PARKING BIKE LANE	12	18	1.5	NW	1-2.5" PST			
	29	"D" 65+28	RT	R7-101RL	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			BEHIND GUARDRAIL, REFER TO STD PLAN NO. S-05.02, AND S-32.02.
H6	30	"D" 71+42	LT	R2-1	SPEED LIMIT 40	24	30	5	NW	1-2.5" PST			
	31	"D" 72+31	RT	R7-101R	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			
	32	"D" 73+63	LT	R3-17	BIKE LANE	30	24	5	NW	1-2.5" PST	X		
	33	"D" 73+65	RT	R3-17	BIKE LANE	30	24	5	SE	1-2.5" PST	X		
	34	"D" 78+67	RT	R2-1	SPEED LIMIT 40	24	30	5	SE	1-2.5" PST			
H7	35	"D" 89+97	LT	R7-9	NO PARKING BIKE LANE	12	18	1.5	NW	1-2.5" PST			
H8	36	"D" 95+81	LT	R7-9	NO PARKING BIKE LANE	12	18	1.5	NW	1-2.5" PST			

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Jul 15, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

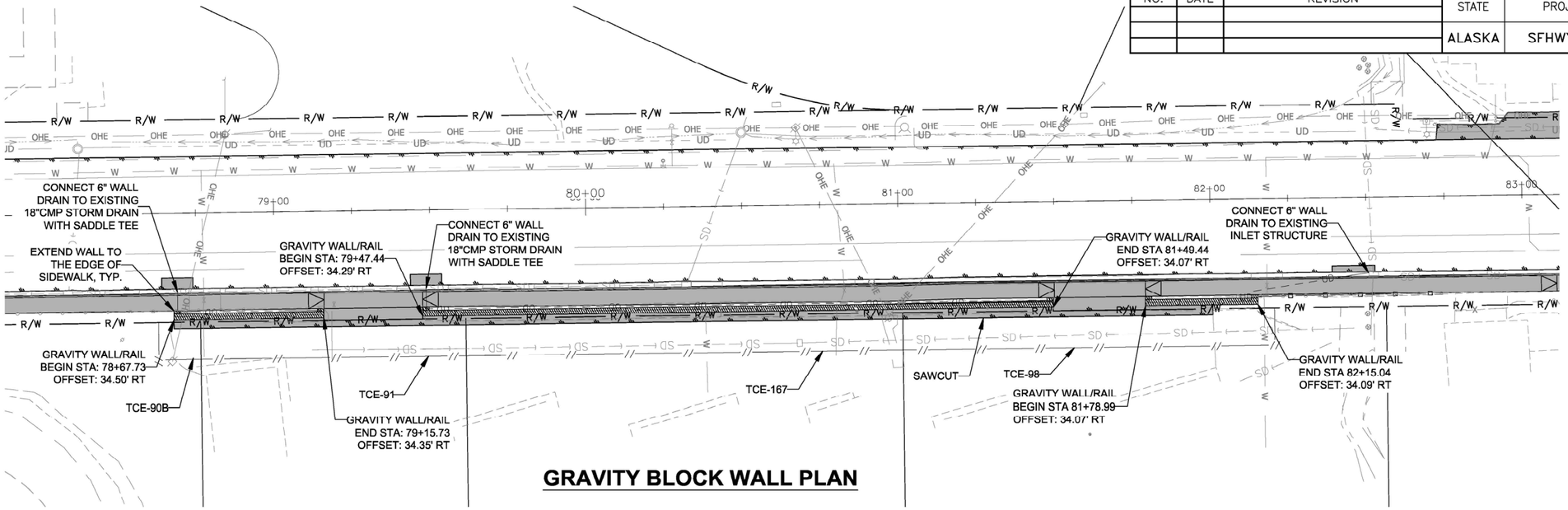
JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

SIGN SUMMARY

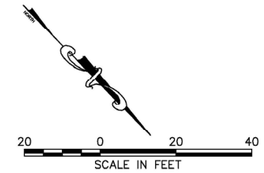
FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-22\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg | DATE 7/15/2022 8:15 | LAYOUT H11 | PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOB.E | DRAFTED LAFAVOUR

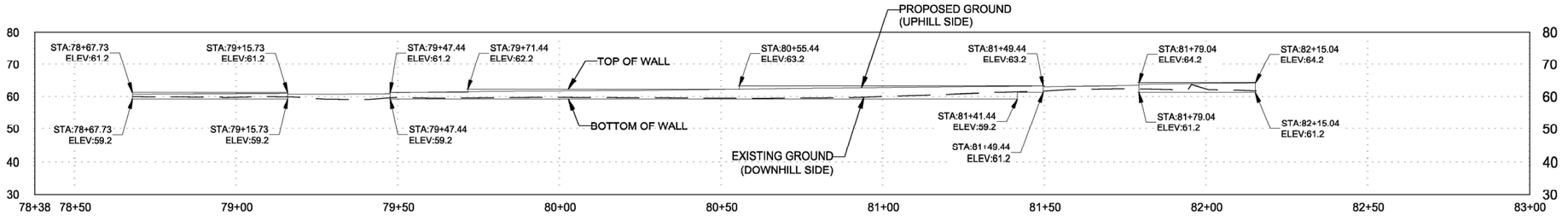
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	M1	M3



GRAVITY BLOCK WALL PLAN





GRAVITY BLOCK WALL PROFILE

NOTES:
1. FIELD VERIFY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION OF THE GRAVITY BLOCK WALL.
2. GRAVITY BLOCK WALL NOT TO EXCEED 4' HEIGHT.
3. ALL PARTS OF GRAVITY BLOCK WALL TO STAY WITHIN THE PERMITTED RIGHT OF WAY.

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 14, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

GRAVITY BLOCK WALL PLAN AND PROFILE

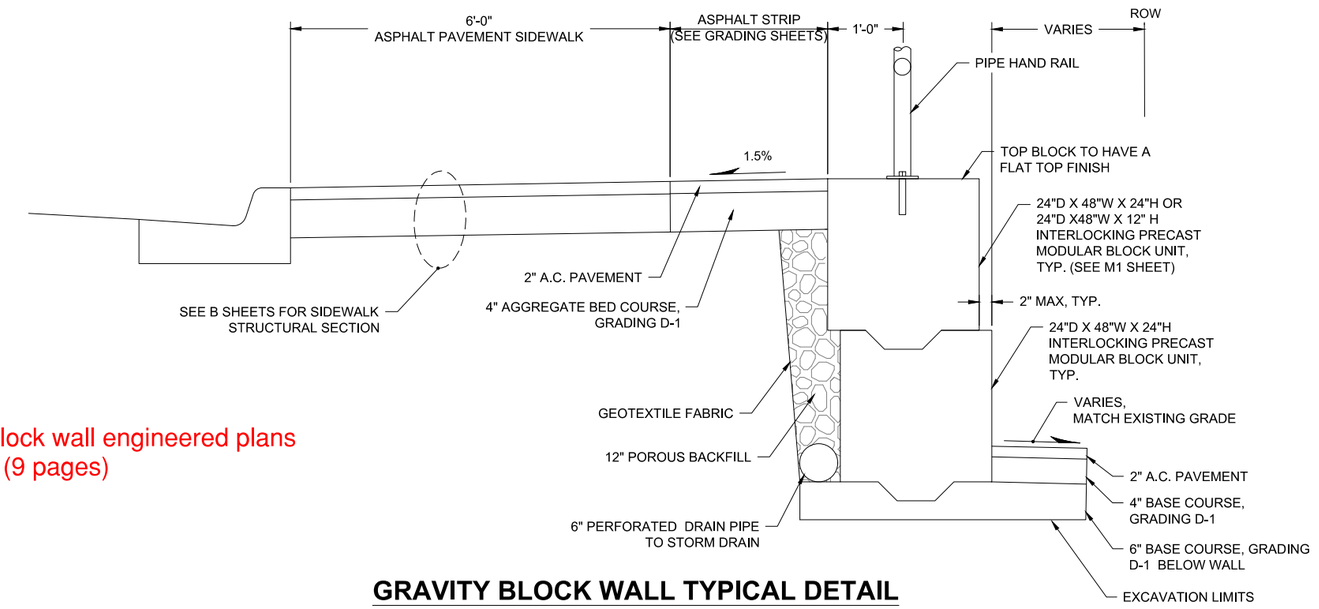
FIRM DOWL | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/8/2022 13:48 | LAYOUT M1
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-RT-M-70897.dwg

NO.	DATE	REVISION
1	12/27/2022	ADDENDUM 2

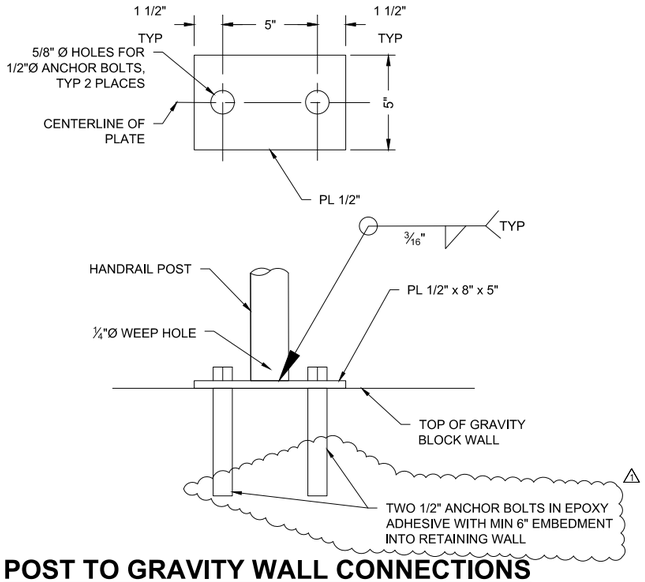
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	M2	M3

NOTES FOR GRAVITY BLOCK WALL:
1. **MODULAR BLOCK UNITS SHALL HAVE A 4" MULTI STONE SURFACE FINISH.**
2. **MODULAR BLOCK FILL PICK POINTS SHALL BE FILLED WITH NON SHRINK GROUT.**

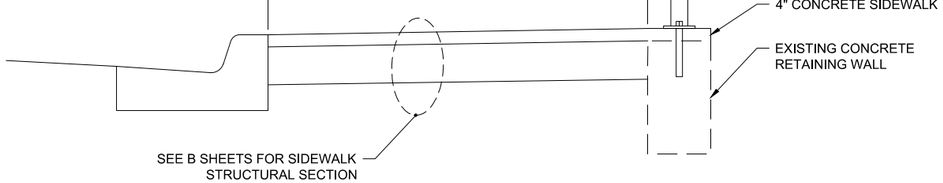
Gravity block wall engineered plans attached (9 pages)



GRAVITY BLOCK WALL TYPICAL DETAIL

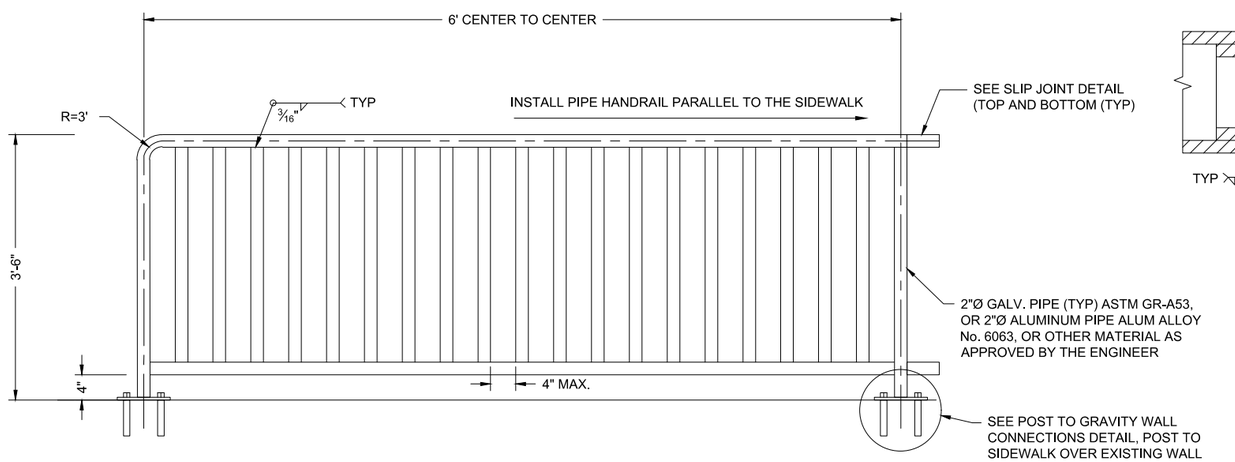


POST TO GRAVITY WALL CONNECTIONS

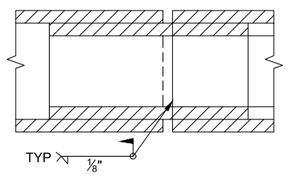


PIPE HANDRAIL CONNECTED TO SIDEWALK OVER EXISTING WALL TYPICAL DETAIL

POST TO SIDEWALK OVER EXISTING WALL CONNECTIONS



TYPICAL PIPE HANDRAIL ELEVATION



SLIP JOINT DETAIL

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

Jim Bergan 12/16/25

Signature Date

STATE OF ALASKA
49 TH
Ryan A. Stephens
Apr 03, 2023
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

GRAVITY BLOCK WALL AND HANDRAIL DETAILS

FIRM	DOWL	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848	
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED LAFAVOUR
DATE	4/3/2023 16:48	LAYOUT	M2			
FILE	Q:\22\70897-02\65CAD\Phase II\Civil\SC-CT-RT-M-70897.dwg					

LEGEND:

RIGHT OF WAY

EASEMENT

ROADWAY CENTERLINE

EXISTING RETAINING WALL

EXISTING WATER SERVICE

UD — WALL UNDERDRAIN

SD — STORM DRAIN

CURB & GUTTER

MSE RETAINING WALL

*CALCULATED GEOGRID LENGTH

WALL LOCATION	LENGTH
STA. 78+97.73 - 79+71.44	NONE
STA. 79+71.44 - 80+55.44	5.26'
STA. 80+55.44 - 82+15.04	4.20'

*AASHTO REQUIRES 8' MINIMUM REINFORCEMENT. MAY BE REDUCED TO 6' FOR SHORT WALLS.

BLOCK SCHEDULE*

TYPE	SIZE	QTY.	NOTES	TYPE	SIZE	QTY.	NOTES
STANDARD	2'D x 2'H x 4'W	130	———	STANDARD	2'D x 1'H x 4'W	1	FLAT TOP LH CORNER
STANDARD	2'D x 2'H x 4'W	1	RH CORNER	CUSTOM	2'D x 2'H x 3'W	2	———
STANDARD	2'D x 2'H x 4'W	27	FLAT TOP	CUSTOM	2'D x 2'H x 3'W	1	RH CORNER
CUSTOM	2'D x 2'H x 4'W	1	1/2 FLAT TOP-LEFT ONLY	CUSTOM	2'D x 2'H x 3'W	1	LH CORNER
STANDARD	2'D x 2'H x 4'W	2	FLAT TOP RH CORNER	CUSTOM	2'D x 2'H x 3'W	1	FLAT TOP RH CORNER
STANDARD	2'D x 2'H x 4'W	3	FLAT TOP LH CORNER	CUSTOM	2'D x 2'H x 3'W	1	FLAT TOP LH CORNER
STANDARD	2'D x 1'H x 4'W	9	———	CUSTOM	2'D x 2'H x 1'W	4	———
STANDARD	2'D x 1'H x 4'W	20	FLAT TOP	CUSTOM	2'D x 2'H x 1'W	4	FLAT TOP

*VERIFY BLOCK QUANTITIES PRIOR TO CASTING

MSE WALL CONSTRUCTION NOTES:

1. SOIL PLACEMENT IS TO BE IN LIFTS COMPATIBLE WITH THE COMPACTION EQUIPMENT TO ACHIEVE A UNIFORM MINIMUM DENSITY OF 95% OF MODIFIED PROCTOR OPTIMUM DENSITY. ENSURE THAT A MINIMUM DEPTH OF 6" OF FILL COVERS THE GEO-GRID BEFORE COMPACTING.
2. FOUNDATION SOILS SHOULD BE PROOF ROLLED AND COMPACTED TO MEET THE ABOVE REQUIREMENTS PRIOR TO PLACING THE CONTINUOUS LEVELING PAD.
3. GEO-GRID MUST BE LAID HORIZONTALLY AND FULLY EMBEDDED BETWEEN BLOCKS AND TENSIONED PRIOR TO PLACING FILL.
4. GEO-GRID OVERLAP = 12" MINIMUM AT JOINTS.
5. STEP WALL FACE AT 1:12 BATTER.
6. CONCRETE COMPRESSIVE STRENGTH OF PRECAST BLOCKS TO BE 2,500 PSI MINIMUM AT 28 DAYS
7. MODULAR FACE BLOCKS SHALL BE PLACED WITH CORRECT LINE AND ELEVATION. DO NOT LEAVE GAPS BETWEEN ADJACENT UNITS. MAXIMUM STACKED HEIGHT OF BLOCK PRIOR TO PLACING BACKFILL SHALL NOT EXCEED ONE COURSE.
8. STATION, OFFSET, AND TOW ALL PER M-SHEET PLANS DEVELOPED BY DOWL FOR DOT.
9. VERIFY DRIVEWAY GRADES PRIOR TO POURING CURB CUT. CURRENT ASPHALT DRIVEWAY HAS LARGE BACKSLOPE FROM SIDEWALK.
10. AASHTO/LRFD REQUIRE 2' MINIMUM EMBEDMENT DEPTH FOR ALL MSE WALLS.
11. VERIFY LOCATION OF EXISTING WATER SERVICES. MAINLINE DOES NOT APPEAR TO CONFLICT WITH MSE WALL, BUT ELEVATIONS OF WATER SERVICES ARE UNKNOWN.
12. VERIFY ELEVATION OF EXISTING STORM DRAIN PRIOR TO CONSTRUCTION. ELEVATIONS OF TOP OF PIPE APPEAR TO BE BELOW BOW ELEVATION BASED ON DOT PLANS.

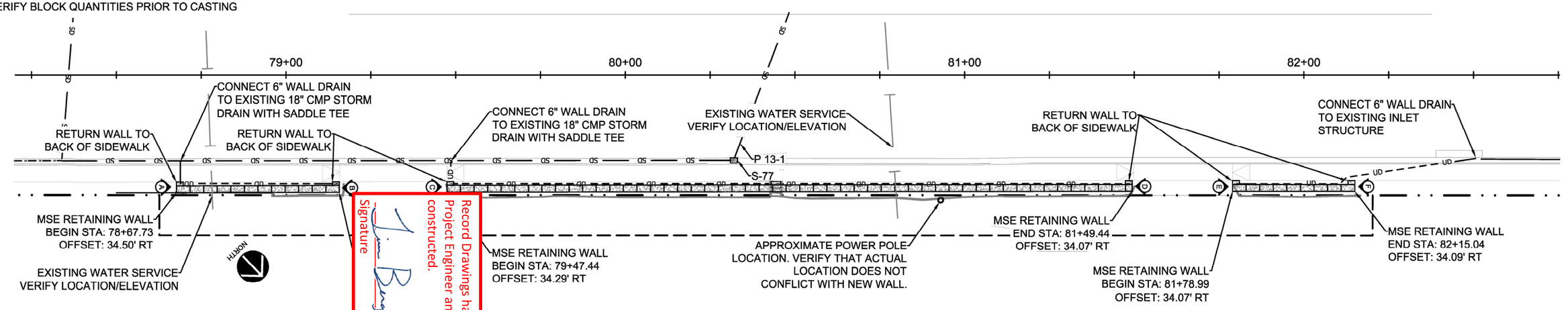
MSE WALL DESIGN PARAMETERS:

WALL MATERIAL:
SAND/GRAVEL, NON-FROST SUSCEPTIBLE (WITHIN 3' OF WALL),
UNIT WEIGHT: 120 PCF
FRICTION ANGLE: 35°
COHESION = 0

GEO-GRID MATERIAL:
GEO-GRIDS SHALL BE STRATA-GRID SG350, AS MANUFACTURED BY STRATA SYSTEMS.

FOUNDATION SOILS:
ASSUMED SAFE BEARING CAPACITY IS 4,000 PSF. THIS ASSUMES THE FOUNDATION SOILS TO BE MEDIUM DENSE TO DENSE GRANULAR SOILS (SANDS/GRAVELS) OR GLACIAL TILL. SHOULD ACTUAL EXCAVATED MATERIALS AT FOUNDATION DEPTH DIFFER FROM THIS, IT SHOULD BE OVER EXCAVATED AND REPLACED WITH COMPACTED SAND/GRAVEL FILL OR AS DIRECTED BY THE ENGINEER.

FACTORS OF SAFETY:
VERSUS OVERTURNING: MINIMUM 1.5
VERSUS SLIDING: MINIMUM 1.5
VERSUS FAILURE: MINIMUM 2.0
VERSUS BEARING: MINIMUM 2.0
VERSUS FAILURE UNDER SEISMIC LOADING: 75% OF ABOVE
DESIGN PER LRFD FOR MSE WALL STRUCTURES



Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.
Signature
12/16/25
Date

STATE OF ALASKA 49TH
Erin K. Howell
Date 5/25/23
No. CE 114191
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY:	EKH
CHECKED BY:	EKH
DATE:	5/25/23

REVISIONS:

NO:	DATE:	BY:

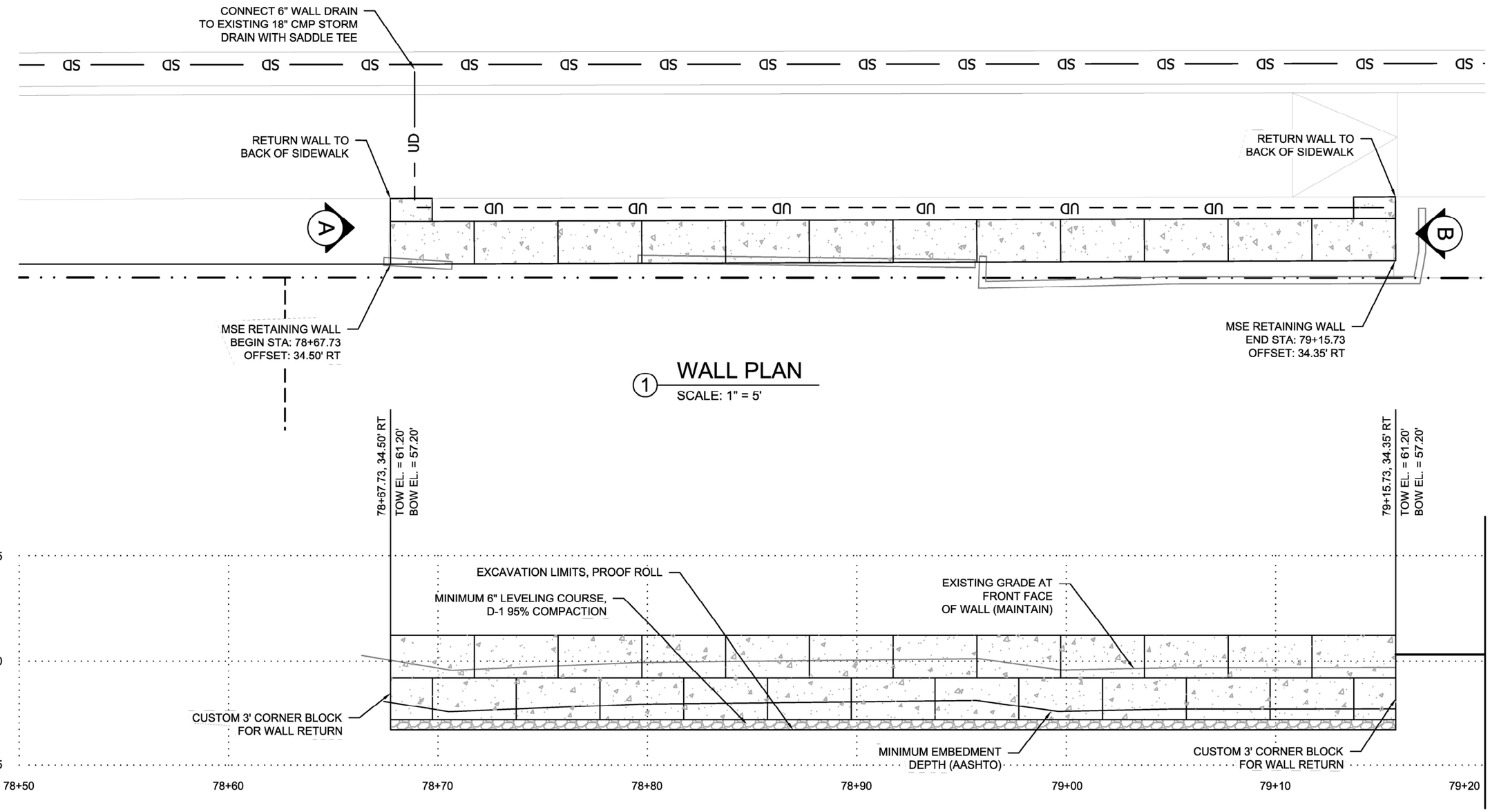
COLASKA INC.
DBA SECON
PO BOX 32159
JUNEAU, AK 99803

PROJECT LOCATION:
DOUGLAS HWY.

JNU DOUGLAS HIGHWAY PM
CONSTRUCTION STAGE II
AKDOT PROJECT DESIGNATION:
SFHWY00315/958032
MSE RETAINING WALLS

GENERAL NOTES, LEGEND, OVERALL WALL PLAN & BLOCK SCHEDULE

SHEET 1 OF 9



1 WALL PLAN
SCALE: 1" = 5'

2 WALL ELEVATION
SCALE: 1" = 5'

STATE OF ALASKA 49TH
Erin K. Howell
Date 5/25/23
No. CE 11419
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY:	EKH	
CHECKED BY:	EKH	
DATE:	5/25/23	
REVISIONS:		
NO:	DATE:	BY:

EKH DESIGN & ENGINEERING
PO BOX 210393
AUKE BAY, AK 99821
erin.ekhdesign@gmail.com

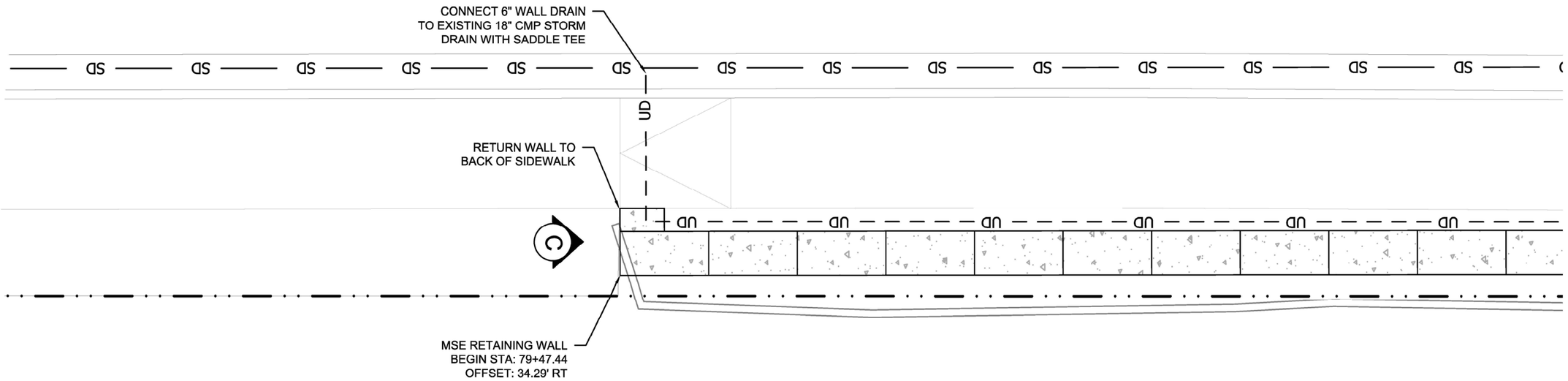
COLASKA INC.
DBA SECON
PO BOX 32159
JUNEAU, AK 99803

PROJECT LOCATION:
DOUGLAS HWY.

JNU DOUGLAS HIGHWAY PM
CONSTRUCTION STAGE II
AKDOT PROJECT DESIGNATION:
SFHWY00315/958032
MSE RETAINING WALLS

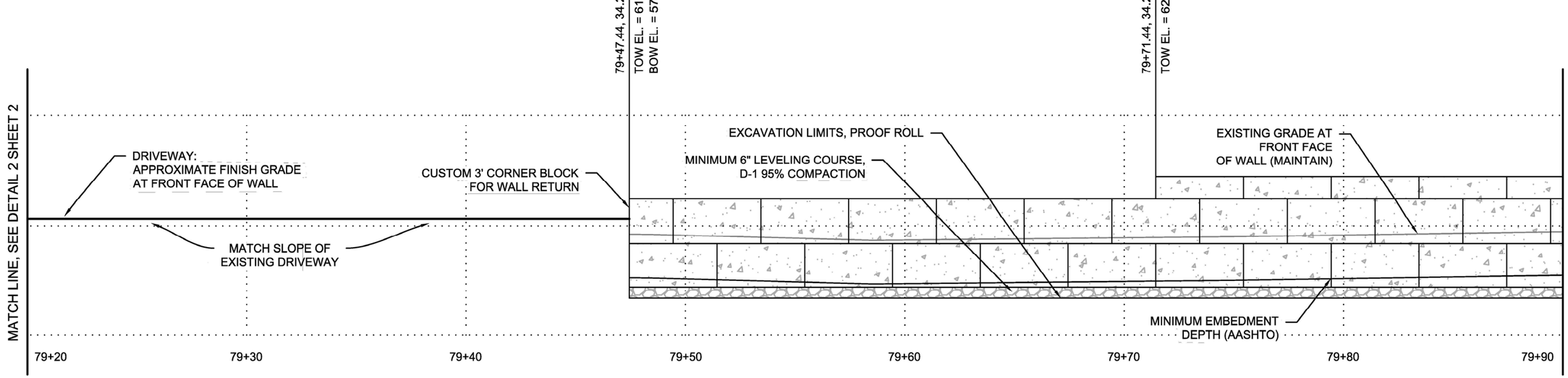
WALL PLAN & PROFILE

SHEET 2 OF 9



1 WALL PLAN

SCALE: 1" = 5'



2 WALL ELEVATION

SCALE: 1" = 5'

STATE OF ALASKA 49TH
Erin K. Howell
Date 5/25/23
No. CE 11419
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY:	EKH	
CHECKED BY:	EKH	
DATE:	5/25/23	
REVISIONS:		
NO:	DATE:	BY:

EKH DESIGN & ENGINEERING
PO BOX 210393
AUKE BAY, AK 99821
erin.ekhdesign@gmail.com

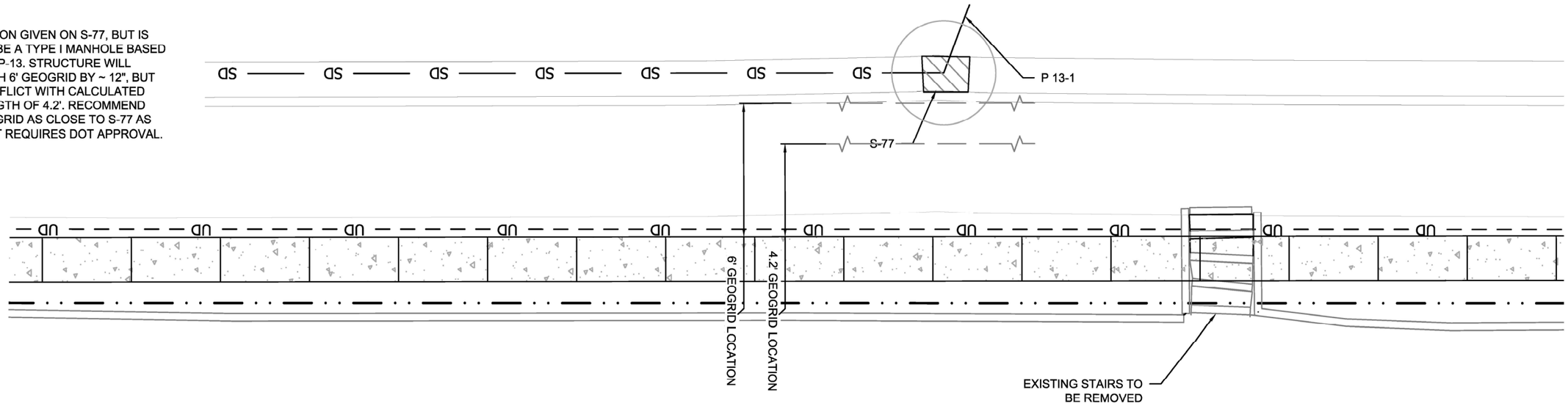
COLASKA INC.
DBA SECON
PO BOX 32159
JUNEAU, AK 99803

PROJECT LOCATION:
DOUGLAS HWY.

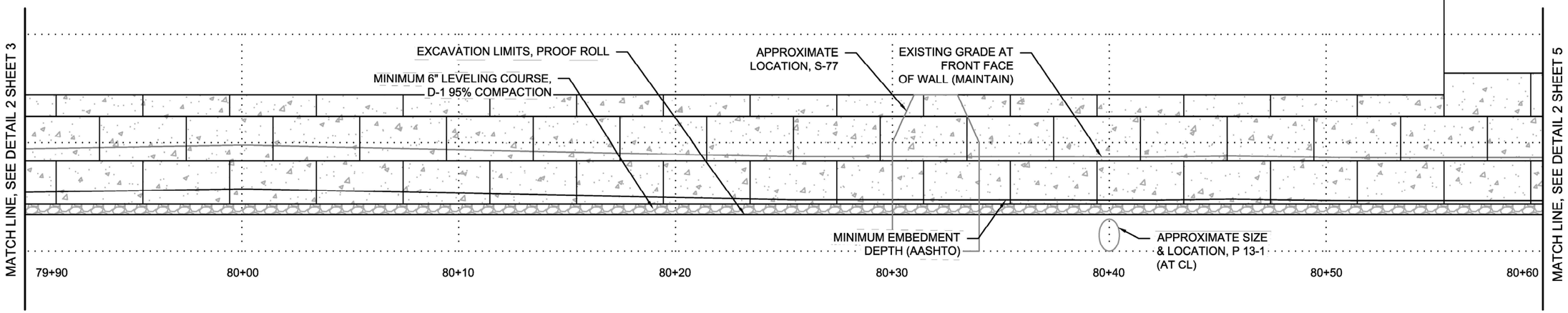
JNU DOUGLAS HIGHWAY PM
CONSTRUCTION STAGE II
AKDOT PROJECT DESIGNATION:
SFHWY00315/958032
MSE RETAINING WALLS

WALL PLAN & PROFILE

NOTES:
1. NO INFORMATION GIVEN ON S-77, BUT IS ASSUMED TO BE A TYPE I MANHOLE BASED ON DEPTH OF P-13. STRUCTURE WILL CONFLICT WITH 6' GEOGRID BY ~ 12", BUT WILL NOT CONFLICT WITH CALCULATED GEOGRID LENGTH OF 4.2'. RECOMMEND PLACING GEOGRID AS CLOSE TO S-77 AS POSSIBLE, BUT REQUIRES DOT APPROVAL.



1 WALL PLAN
SCALE: 1" = 5'



2 WALL ELEVATION
SCALE: 1" = 5'

STATE OF ALASKA
49TH
Erin K. Howell
Date 5/25/23
No. CE 11419
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY:	EKH	
CHECKED BY:	EKH	
DATE:	5/25/23	
REVISIONS:		
NO:	DATE:	BY:

EKH DESIGN & ENGINEERING
PO BOX 210393
AUKE BAY, AK 99821
erin.ekhdesign@gmail.com

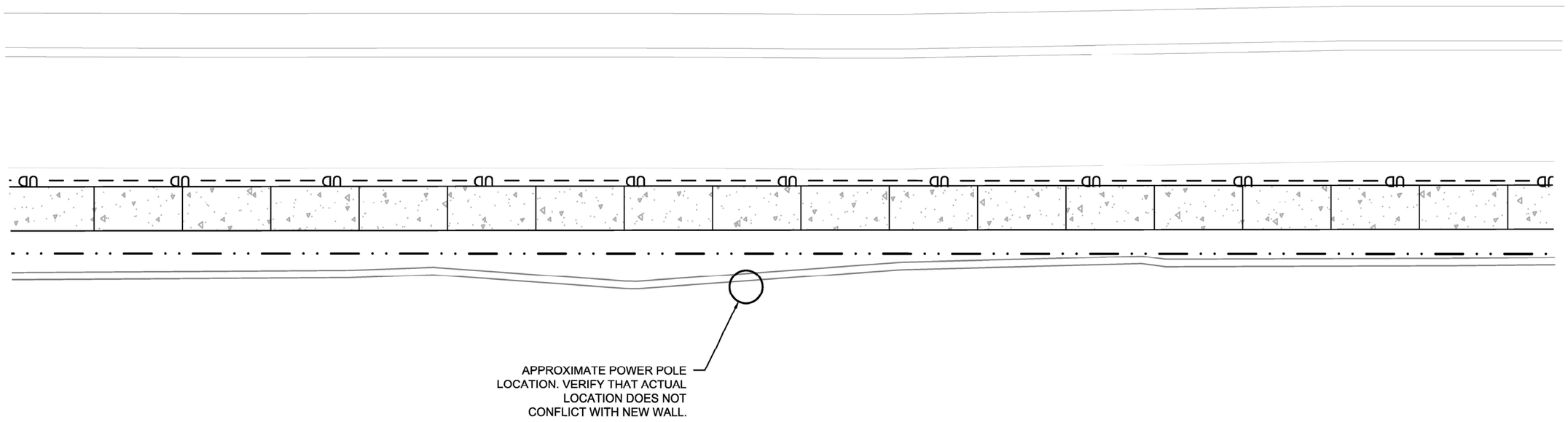
COLASKA INC.
DBA SECON
PO BOX 32159
JUNEAU, AK 99803

PROJECT LOCATION:
DOUGLAS HWY.

JNU DOUGLAS HIGHWAY PM
CONSTRUCTION STAGE II
AKDOT PROJECT DESIGNATION:
SFHWY00315/958032
MSE RETAINING WALLS

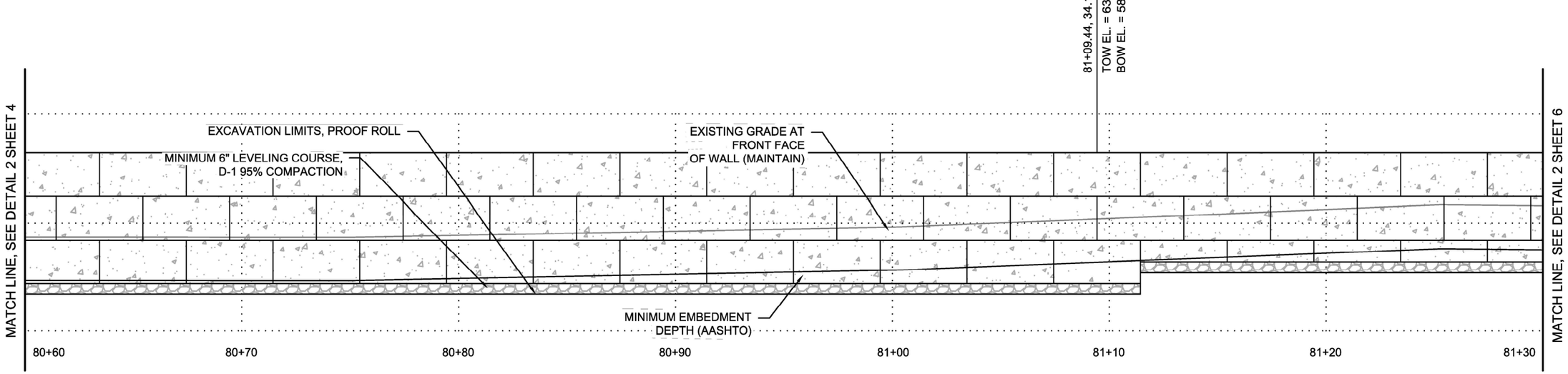
WALL PLAN & PROFILE

SHEET 4 OF 9



1 WALL PLAN

SCALE: 1" = 5'



2 WALL ELEVATION

SCALE: 1" = 5'

STATE OF ALASKA 49TH
Erin K. Howell
Date 5/25/23
No. CE 11419
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY:	EKH
CHECKED BY:	EKH
DATE:	5/25/23

REVISIONS:

NO:	DATE:	BY:

EKH DESIGN & ENGINEERING
PO BOX 210393
AUKE BAY, AK 99821
erin.ekhdesign@gmail.com

COLASKA INC.
DBA SECON
PO BOX 32159
JUNEAU, AK 99803

PROJECT LOCATION:
DOUGLAS HWY.

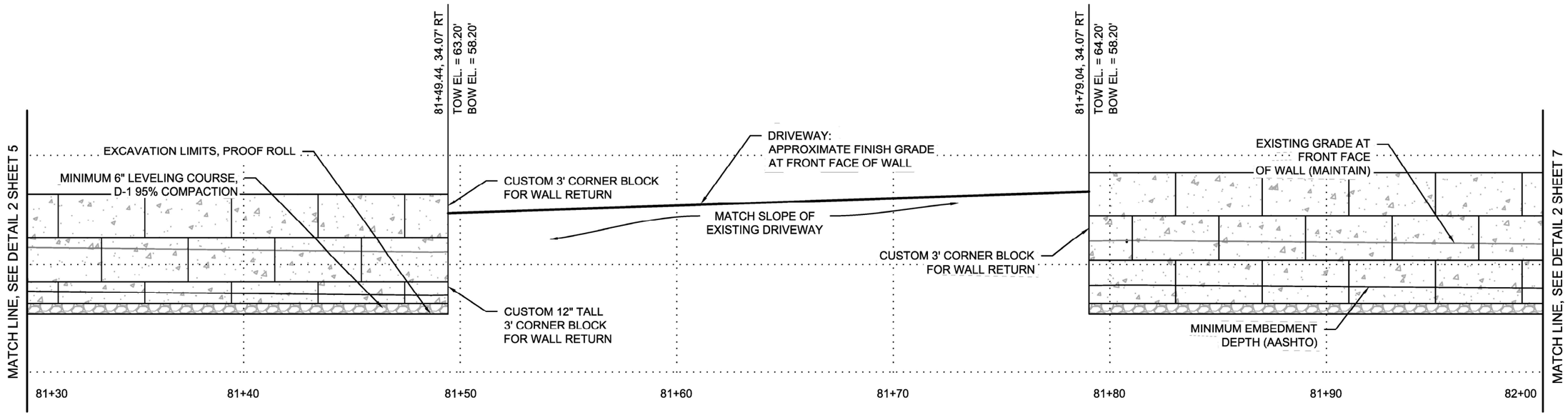
JNU DOUGLAS HIGHWAY PM
CONSTRUCTION STAGE II
AKDOT PROJECT DESIGNATION:
SFHWY00315/958032
MSE RETAINING WALLS

WALL PLAN & PROFILE

SHEET 5 OF 9

1 WALL PLAN

SCALE: 1" = 5'



2 WALL ELEVATION

SCALE: 1" = 5'

STATE OF ALASKA
49TH
Erin K. Howell
Date 5/25/23
No. CE 11419
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY:	EKH	
CHECKED BY:	EKH	
DATE:	5/25/23	
REVISIONS:		
NO:	DATE:	BY:

EKH DESIGN & ENGINEERING
PO BOX 210393
AUKE BAY, AK 99821
erin.ekhdesign@gmail.com

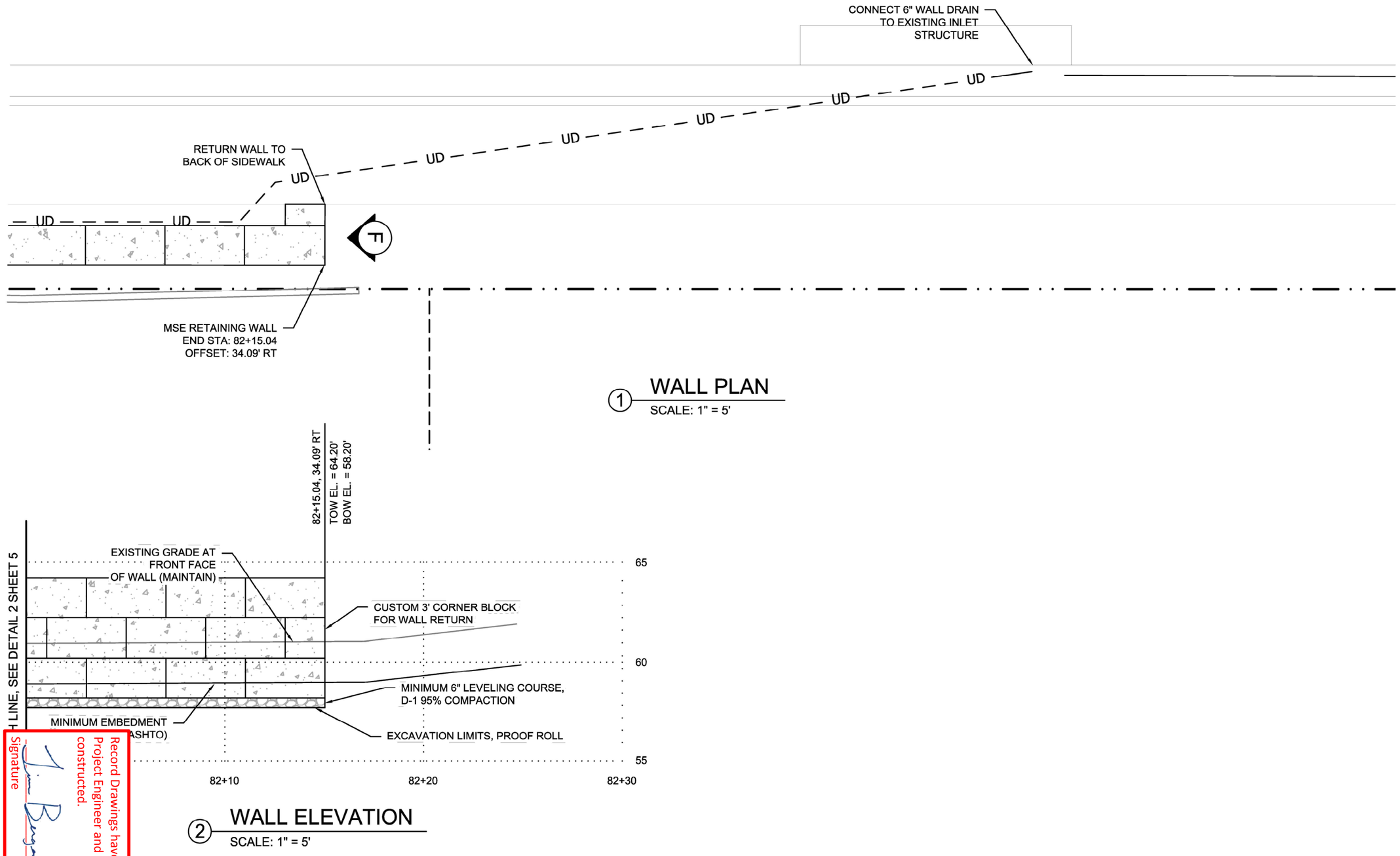
COLASKA INC.
DBA SECON
PO BOX 32159
JUNEAU, AK 99803

PROJECT LOCATION:
DOUGLAS HWY.

JNU DOUGLAS HIGHWAY PM
CONSTRUCTION STAGE II
AKDOT PROJECT DESIGNATION:
SFHWY00315/958032
MSE RETAINING WALLS

WALL PLAN & PROFILE

SHEET 6 OF 9



1 WALL PLAN
SCALE: 1" = 5'

2 WALL ELEVATION
SCALE: 1" = 5'

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

Signature

12/16/25
Date

STATE OF ALASKA
49TH
Erin K. Howell
Date 5/25/23
No. CE 11491
REGISTERED PROFESSIONAL ENGINEER

BY:

EKH DESIGN & ENGINEERING
PO BOX 210393
AUKE BAY, AK 99821
erin.ekhdesign@gmail.com

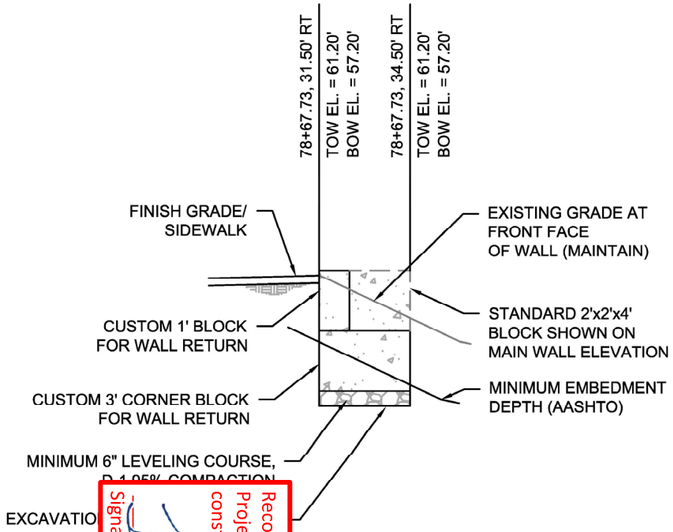
COLASKA INC.
DBA SECON
PO BOX 32159
JUNEAU, AK 99803

PROJECT LOCATION:
DOUGLAS HWY.

JNU DOUGLAS HIGHWAY PM
CONSTRUCTION STAGE II
AKDOT PROJECT DESIGNATION:
SFHWY00315/958032
MSE RETAINING WALLS

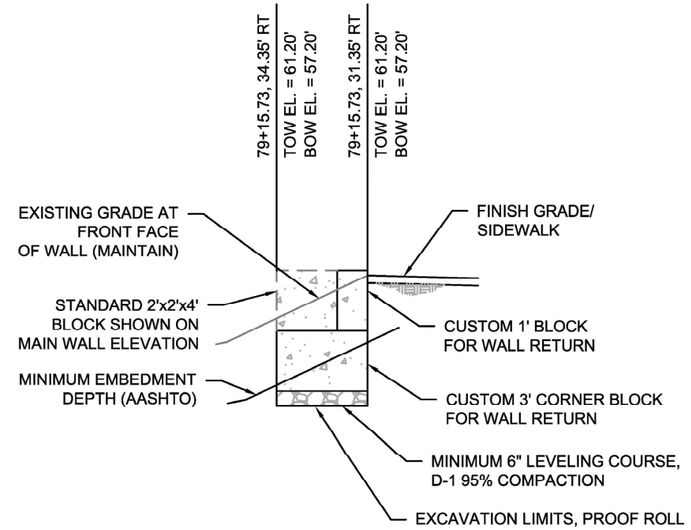
WALL PLAN & PROFILE

SHEET 7 OF 9



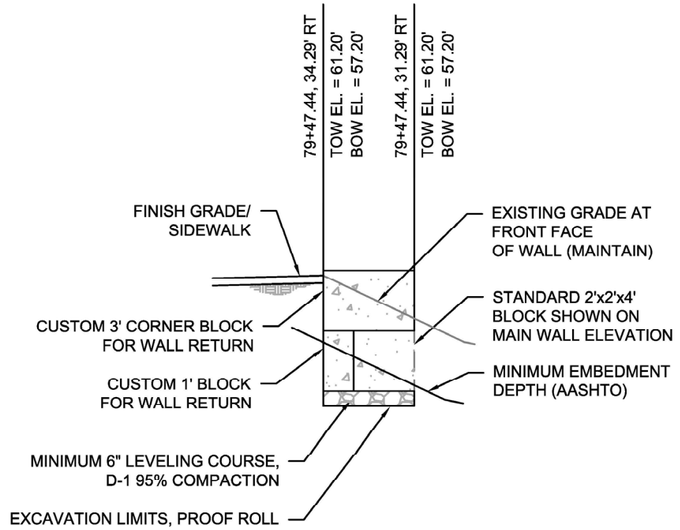
WALL RETURN

SCALE: 1" = 5'



B WALL RETURN

SCALE: 1" = 5'



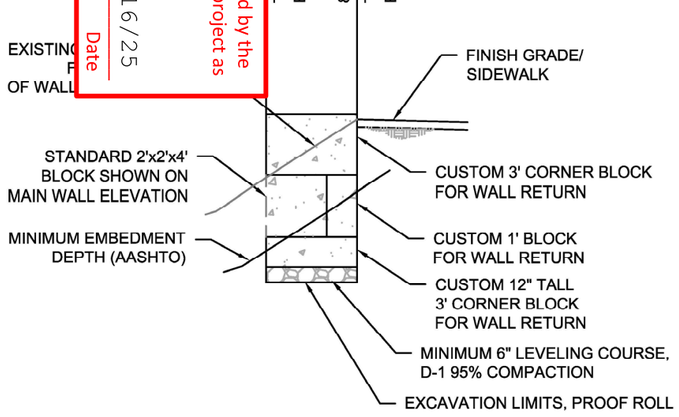
C WALL RETURN

SCALE: 1" = 5'

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

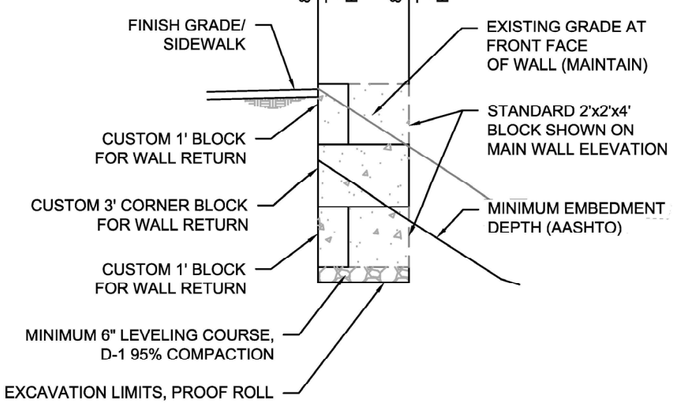
Signature

Date 12/16/25



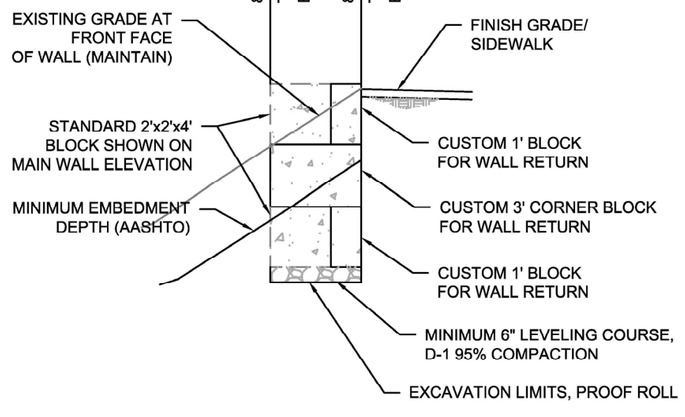
A WALL RETURN

SCALE: 1" = 5'



B WALL RETURN

SCALE: 1" = 5'



C WALL RETURN

SCALE: 1" = 5'

STATE OF ALASKA 49TH
Erin K. Howell
Date 5/25/23
No. CE 114191
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY:	EKH	
CHECKED BY:	EKH	
DATE:	5/25/23	
REVISIONS:		
NO:	DATE:	BY:

EKH DESIGN & ENGINEERING
PO BOX 210393
AUKE BAY, AK 99821
erin.ekhdesign@gmail.com

COLASKA INC.
DBA SECON
PO BOX 32159
JUNEAU, AK 99803

PROJECT LOCATION:
DOUGLAS HWY.

JNU DOUGLAS HIGHWAY PM
CONSTRUCTION STAGE II
AKDOT PROJECT DESIGNATION:
SFHWY00315/958032
MSE RETAINING WALLS

WALL RETURN ELEVATIONS

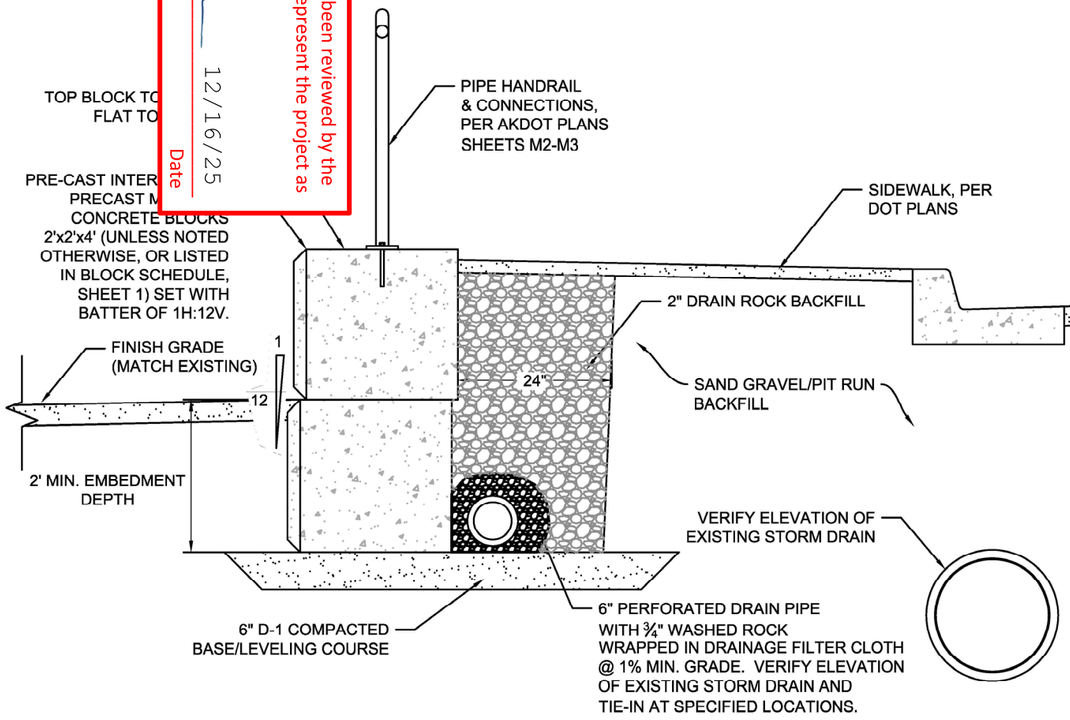
SHEET 8 OF 9

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

Signature

12/16/25

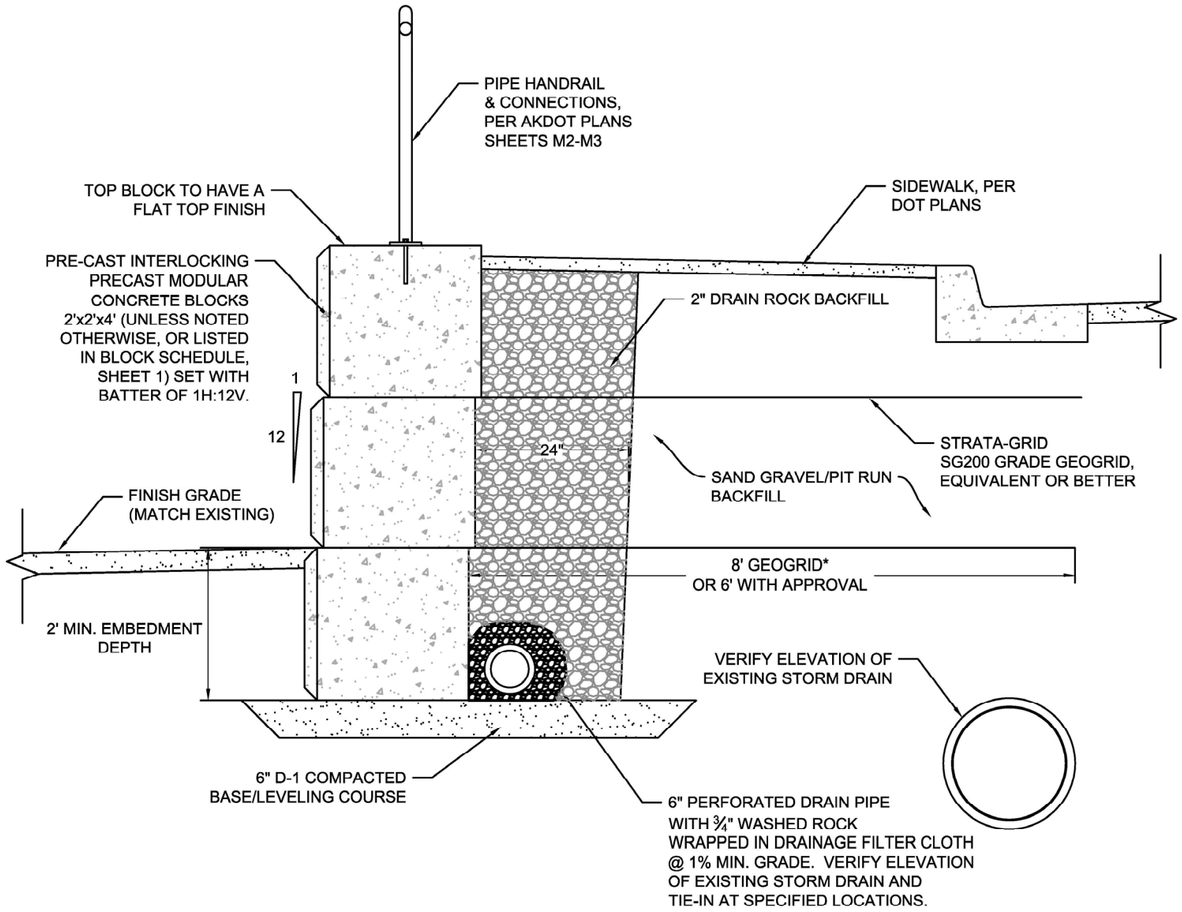
Date



① WALL SECTION STA 78+67.73 - 79+71.44

SCALE: 1" = 5'

*REINFORCEMENT MINIMUM PER AASHTO 11.10.2.1; COMMENTARY IN AASHTO'S BRIDGE DESIGN SPECIFICATIONS ALLOWS FOR A REDUCED LENGTH OF 6.0' FOR SHORTER WALLS. NOTE THAT EITHER LENGTH OF GEOGRID WILL CONFLICT WITH S-77. RECOMMEND REDUCING LENGTH REQUIREMENT TO 6.0' FOR THIS WALL.



② WALL SECTION STA 79+71.44 - 82+15.04

SCALE: 1" = 5'

STATE OF ALASKA 49TH
Erin K. Howell
Date: 5/25/23
No. CE 114191
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY:	EKH	
CHECKED BY:	EKH	
DATE:	5/25/23	
REVISIONS:		
NO:	DATE:	BY:

EKH DESIGN & ENGINEERING
PO BOX 210393
AUKE BAY, AK 99821
erin.ekhdesign@gmail.com

COLASKA INC.
DBA SECON
PO BOX 32159
JUNEAU, AK 99803

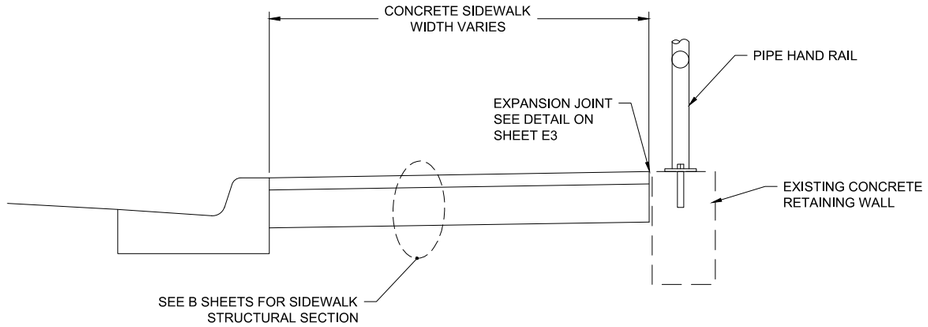
PROJECT LOCATION:
DOUGLAS HWY.

JNU DOUGLAS HIGHWAY PM
CONSTRUCTION STAGE II
AKDOT PROJECT DESIGNATION:
SFHWY00315/958032
MSE RETAINING WALLS

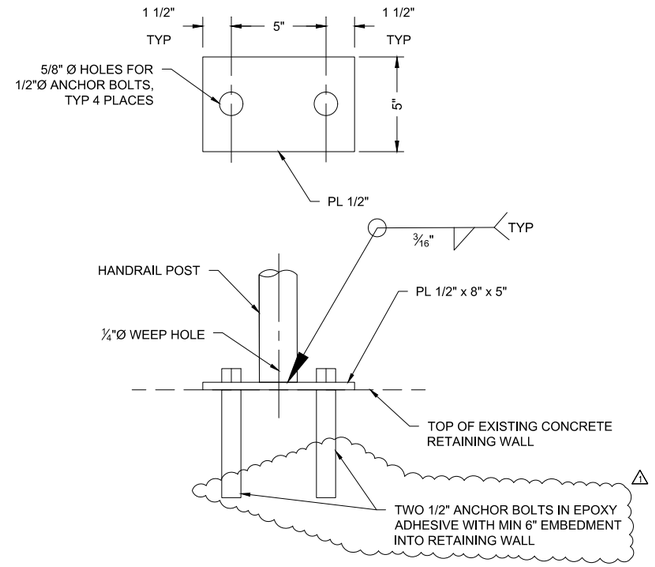
WALL RETURN
ELEVATIONS

SHEET 9 OF 9

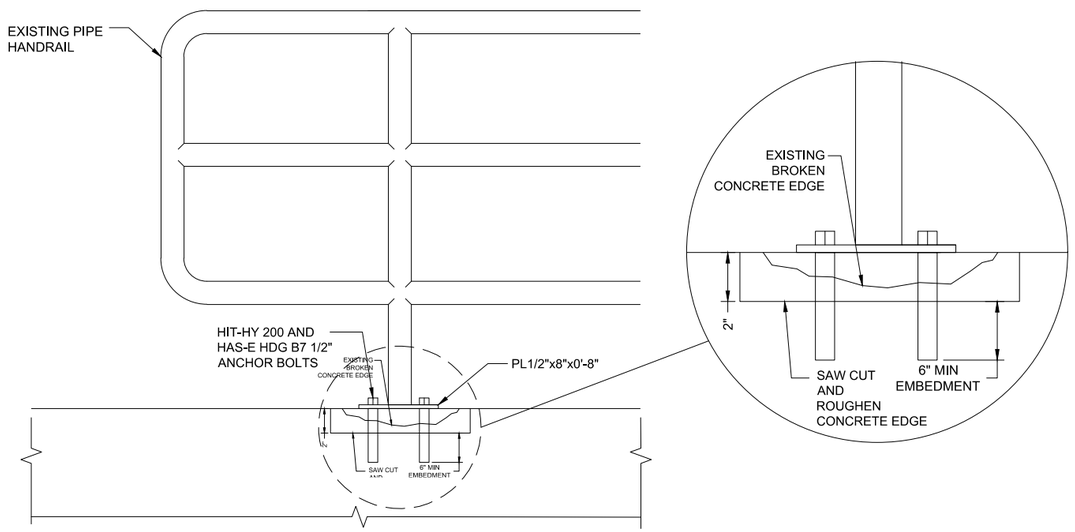
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	12/27/2022	ADDENDUM 2	ALASKA	SFHWY00315/958032	2022	M3	M3



PIPE HANDRAIL CONNECTED TO EXISTING WALL TYPICAL DETAIL



POST TO EXISTING WALL CONNECTIONS



WALL REPAIR TYPICAL DETAIL

NOTES:
1. CONTRACTOR SHALL REMOVE BROKEN EXISTING CONCRETE FROM WALL AND FROM BASE OF HANDRAIL.
2. PRIOR TO PLACING NEW CONCRETE, CONTRACTOR SHALL INSTALL NEW ANCHOR BOLTS INTO EXISTING CONCRETE.
3. CONTRACTOR SHALL WELD THE STEEL PLATE TO THE BOTTOM OF THE HANDRAIL POST. CONTRACTOR TO ENSURE PROPER HANDRAIL HEIGHT PRIOR TO WELDING PLATE.

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Apr 03, 2023
No. CE-14391
REGISTERED PROFESSIONAL ENGINEER

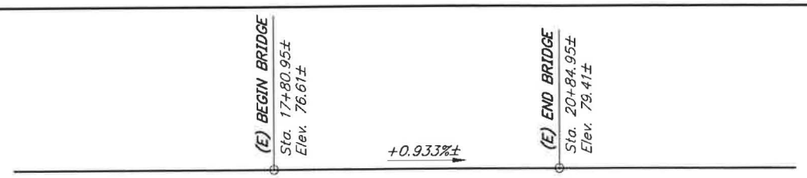
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

GRAVITY BLOCK WALL AND HANDRAIL DETAILS

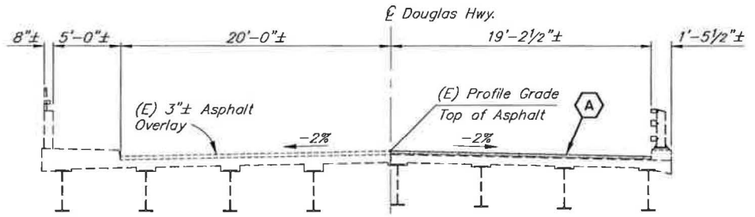
FIRM	DOWL	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR
DATE	4/3/2023 16:48	LAYOUT	M3				
FILE	Q:\22\70897-02\65CAD\Phase II\Civil\SC-CT-RT-M-70897.dwg						

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/0958032	2021	N1	N3



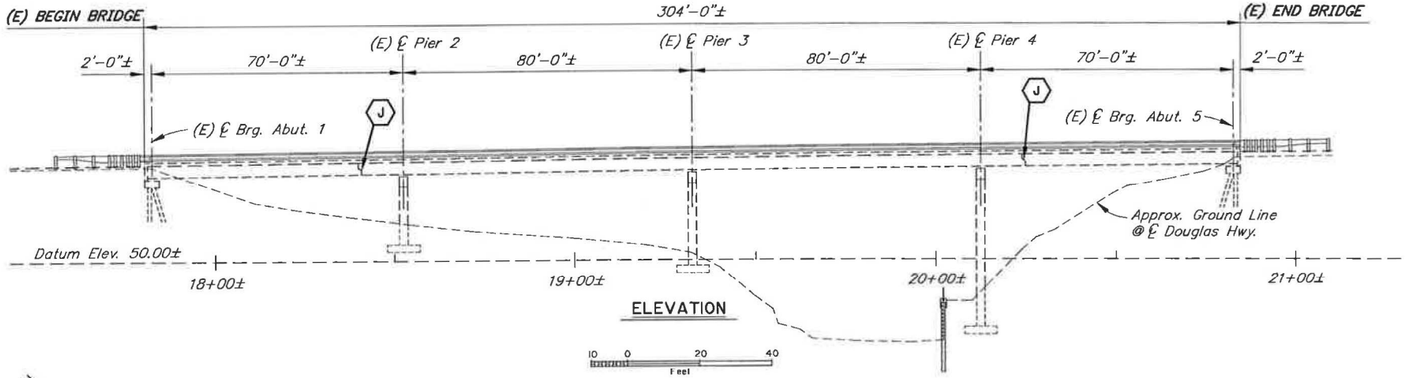
BRIDGE PROFILE GRADE

No Scale

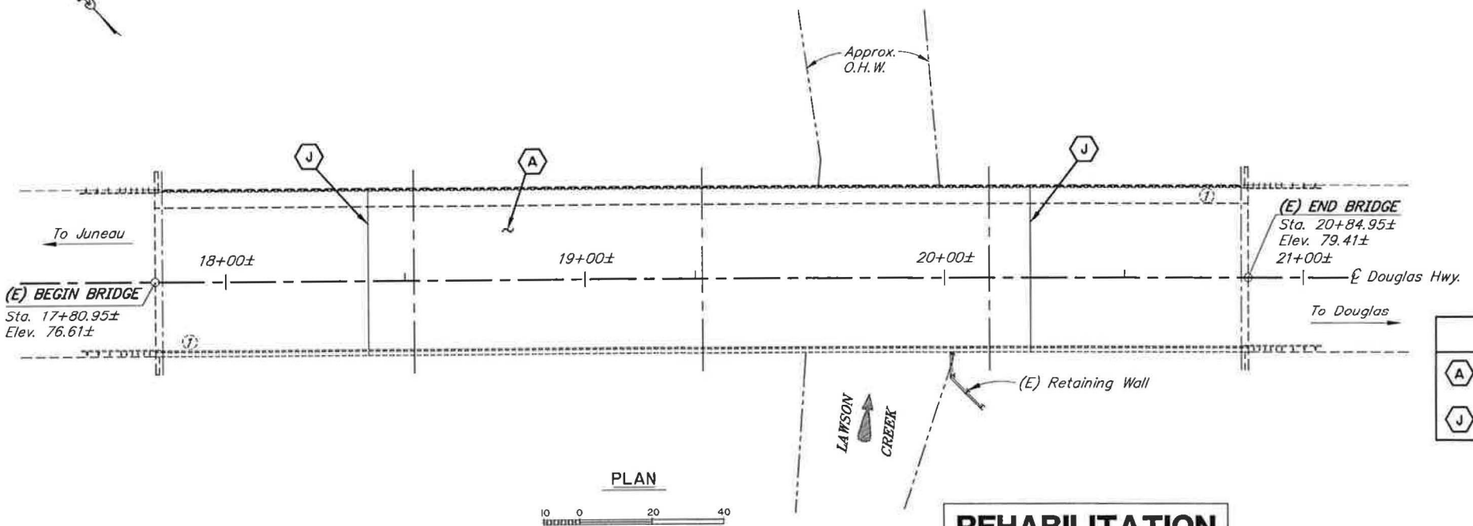


EXISTING PROPOSED

TYPICAL SECTION



ELEVATION



PLAN

BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
BASIS OF ESTIMATE	2
EXPANSION JOINTS	3

LEGEND	
(A)	– Remove and Replace top 2" of Asphalt
(J)	– Replace Expansion Joint Seal

NOTES:

(E) = Existing
----- = Existing
——— = Proposed

1. Bridge stations and elevations are based on as-built drawings. For project stations and elevations see the Roadway Sheets.

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

Jim Bergan 12/16/25

Signature Date

REHABILITATION

DESIGNED BY: Jesse Escamilla III	CHECKED: Hannah Bailey	LAYOUT BY: Jesse Escamilla III	CHECKED BY: Hannah Bailey
DRAWN BY: Sam Sollie	CHECKED: Jesse Escamilla III	SPECIFICATIONS BY: Jesse Escamilla III	P S & E COMPARED: Hannah Bailey
QUANTITIES BY: Jesse Escamilla III	CHECKED: Hannah Bailey	APPROVAL RECOMMENDED BY: RAP	Rich Pratt

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

STATE OF ALASKA 49TH — Jesse Escamilla III 07-27-2021 SEAL 125547 REGISTERED STRUCTURAL ENGINEER

LAWSON CREEK BRIDGE
DOUGLAS HIGHWAY
GENERAL LAYOUT

BRIDGE NO. 788
DWG. NO. 1

R:\cad\788\788 Joint Rehab-GENERAL LAYOUT Tue, Jul/27/21 04:39pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/0958032	2021	N2	N3

GENERAL NOTES

DESIGN:.....AASHTO LRFD Bridge Design Specifications, 2020 Edition, with latest interim specifications.

LIVE LOAD:..... See "AS-BUILT DRAWINGS"

Existing stations, elevations and dimensions are based on as-built plans, and those plans may not show existing dimensions and conditions. Where dimensions of the proposed work depend on the existing bridge dimensions, field-verify the controlling dimensions and adjust proposed dimensions of the work to fit existing conditions.

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	SUBST.	SUPERST.	TOTAL QUANTITY
516.0001.0004	Expansion Joint, Precompressed Silicone Coated	LF	LF	---	94	94

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.

ABBREVIATIONS:

℄	= centerline	E	= expansion	max.	= maximum
ℙ	= plate	(E)	= existing	min.	= minimum
&	= and	EA	= each	n.f.	= near face
@	= at	Elev.	= elevation	No.	= number
ø	= diameter	e.f.	= each face	o.c.	= on center
±	= approximate	e.w.	= each way	O.H.W.	= ordinary high water
Abut.	= abutment	Ext.	= exterior	pcf	= pounds per cubic foot
Approx.	= approximate	F	= fixed	psf	= pounds per square foot
b.f.	= back/dirt face	f.f.	= front/air face	psi	= pounds per square inch
bot.	= bottom	Ft.	= feet	R	= radius
Br.	= bridge	Fy	= yield stress	R.O.W.	= right of way
btwn.	= between	Galv.	= galvanize	RT.	= right
Brg.	= bearings	H.S.	= high strength	Rd.	= road
C.G.	= center of gravity	Hwy.	= highway	spcs.	= space, spaces
C.I.P.	= cast in place	ID	= internal diameter	Sta.	= station
CJP	= complete joint penetration	Int.	= interior	SF	= square feet
Clr.	= clear, clearance	Jt.	= joint	SY	= square yard
CMP	= corrugated metal pipe	K	= kips	Std.	= standard
CY	= cubic yard	LBS or lb	= pounds	Symm.	= symmetric
Dia.	= diameter	LF	= linear foot	Typ.	= typical
Dwg.	= drawing	LS	= lump sum	w/	= with
		LT.	= left		

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

Jim Bergan 12/16/25

Signature Date

R:\cad\788\788 Joint Rehab-BASIS OF ESTIMATE Tue, Jul/27/21 04:39pm

DESIGNED BY: Jesse Escamilla III	CHECKED: Hannah Bailey
DRAWN BY: Sam Sollie	CHECKED: Jesse Escamilla III
QUANTITIES BY: Jesse Escamilla III	CHECKED: Hannah Bailey

REHABILITATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

STATE OF ALASKA 49TH Jesse Escamilla III 07-27-2021 SEE# 125547 REGISTERED STRUCTURAL ENGINEER

LAWSON CREEK BRIDGE

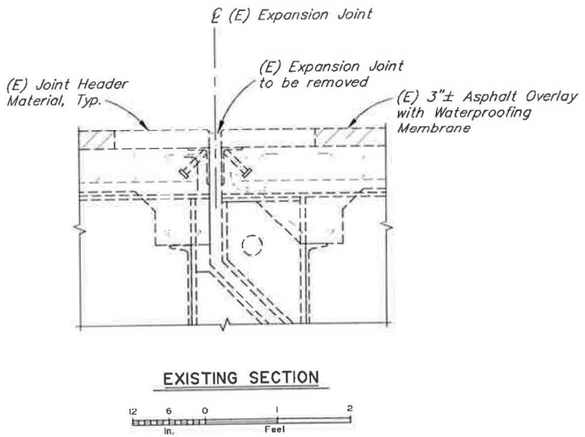
DOUGLAS HIGHWAY

ESTIMATE OF QUANTITIES

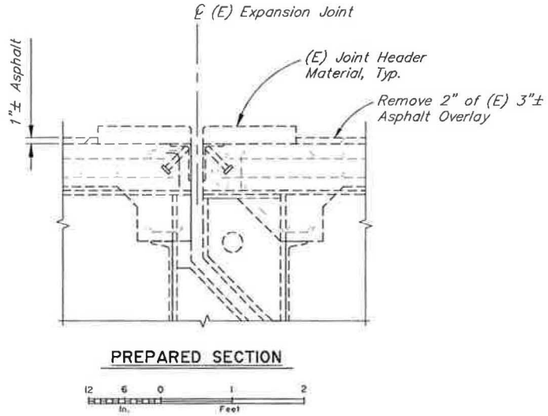
BRIDGE NO. 788

DWG. NO. 2

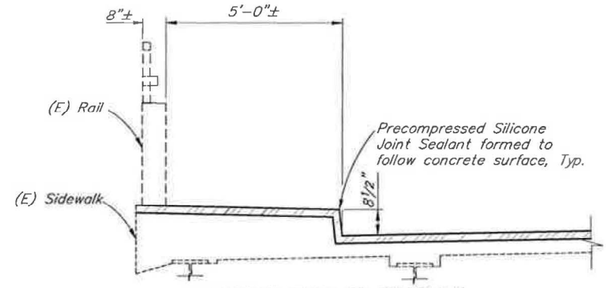
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/0958032	2021	N3	N3



EXISTING SECTION

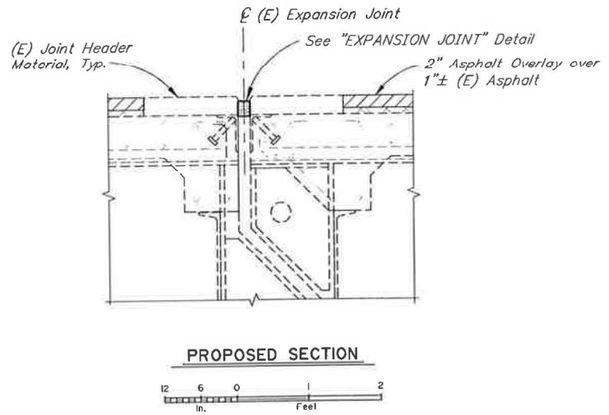


PREPARED SECTION



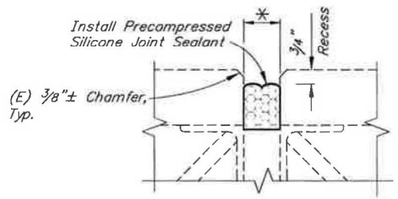
EXPANSION JOINT AT SIDEWALK

12 6 0 1 2 3 4
In. Feet



PROPOSED SECTION

12 6 0 1 2
In. Feet



EXPANSION JOINT

6 3 0 1
In. Feet

NOTES:

(E) = Existing
- - - - - = Existing
——— = Proposed
* = 2"± at 60°F (Adjust 1/8" for each 10°F temperature change).

1. Elevations, Bearings and Dimensions are based on original contract plans. Verify all controlling field dimensions before ordering or fabricating any material.

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

Jim Bergan 12/16/25

Signature Date

DESIGNED BY: Jesse Escamilla III	CHECKED: Hannah Bailey
DRAWN BY: Sam Sallie	CHECKED: Jesse Escamilla III
QUANTITIES BY: Jesse Escamilla III	CHECKED: Hannah Bailey

REHABILITATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

STATE OF ALASKA 49TH Jesse Escamilla III 9-27-2021 SEAL 125547 REGISTERED STRUCTURAL ENGINEER

LAWSON CREEK BRIDGE

DOUGLAS HIGHWAY

EXPANSION JOINTS

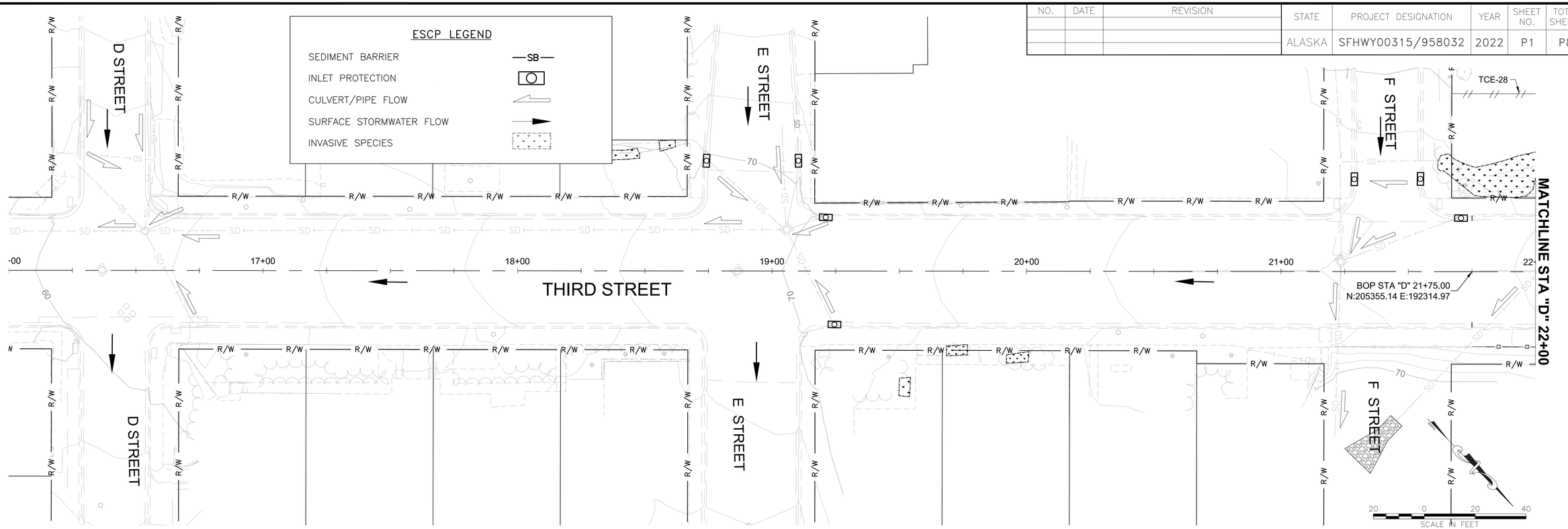
BRIDGE NO. 788

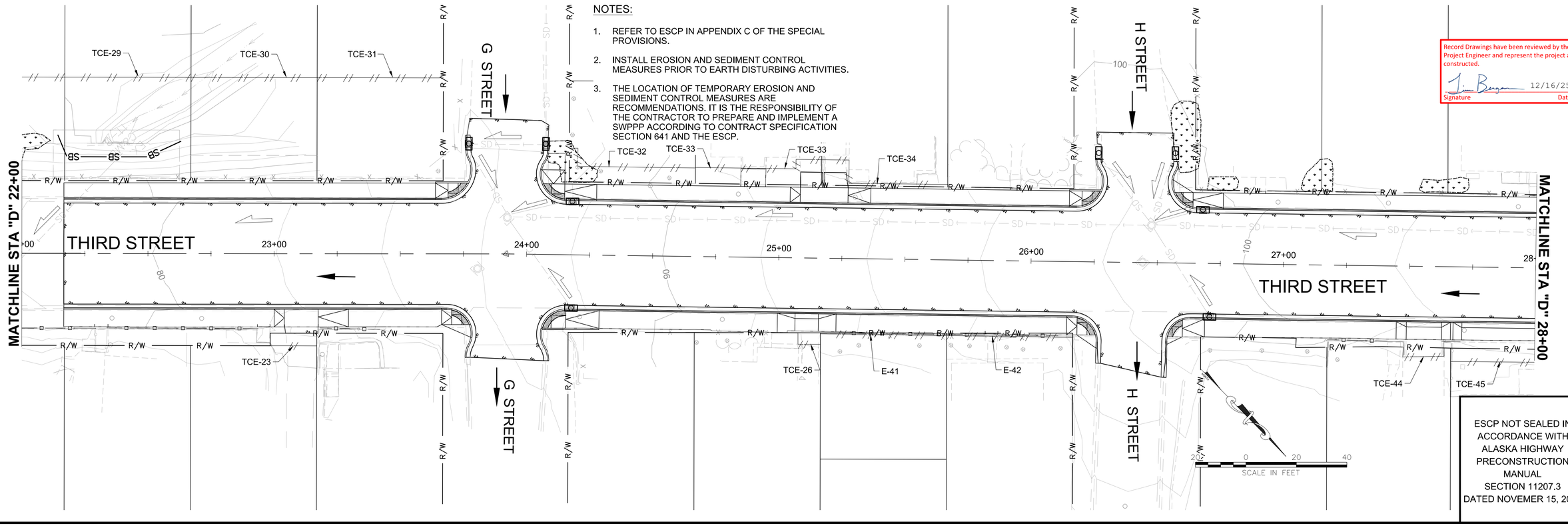
DWG. NO. 3

R:\cad\788\788 Joint Rehab-EXPANSION JOINTS & CONCRETE PARAPET Tue, Jul/27/21 04:39pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	P1	P8





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

Signature 12/16/25 Date

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM	DOWL					CERTIFICATE OF AUTH #:	AECL848		
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	PHONE	(907) 780-3533			NOBLE	DRAFTED	LAFAVOUR	
DATE	7/14/2022 11:24	LAYOUT	P1	DESIGNED	STEPHENS	CHECKED			
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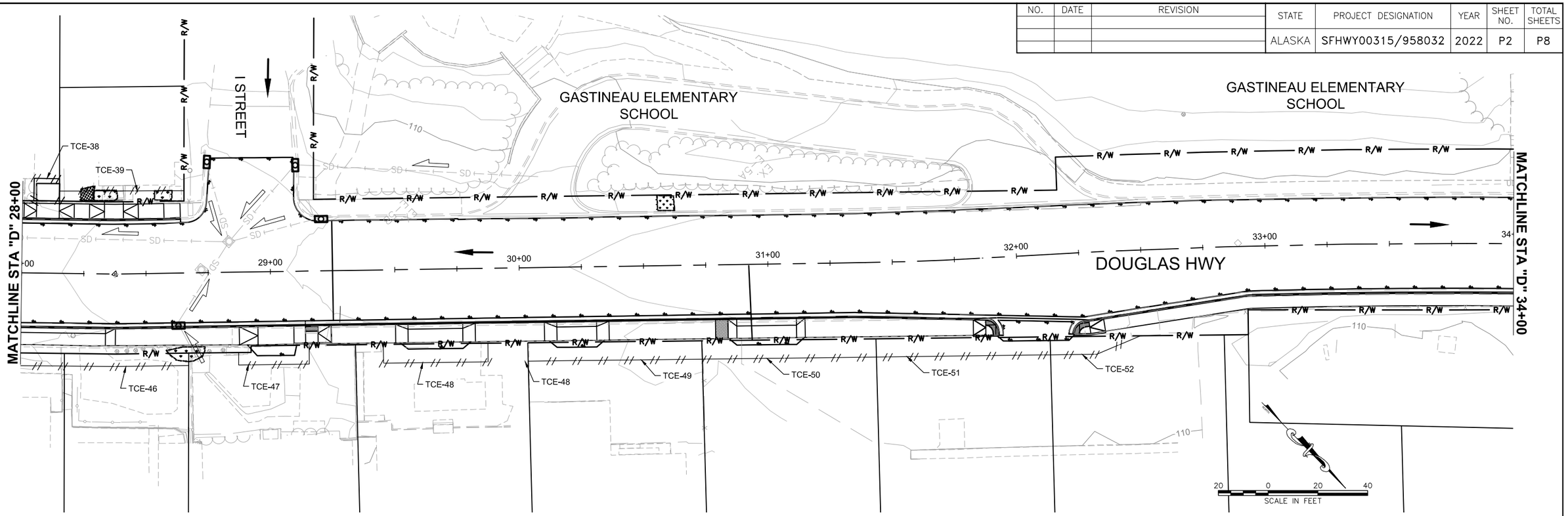
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	P2	P8



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

Jim Bergan 12/16/25

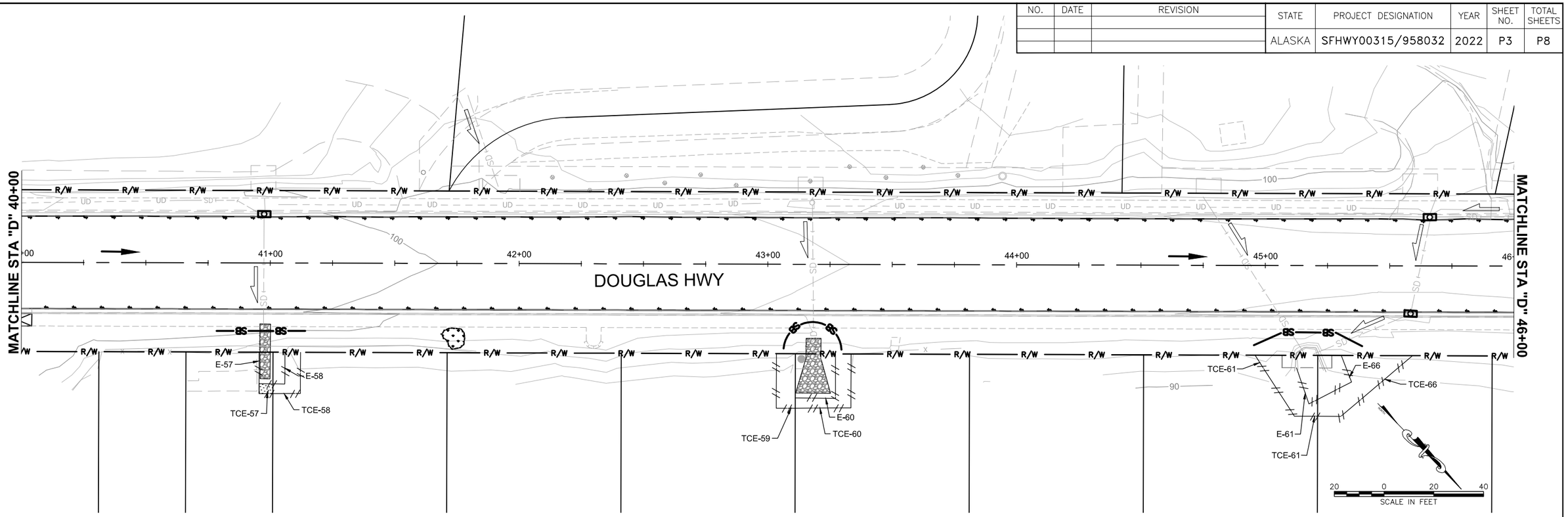
Signature Date

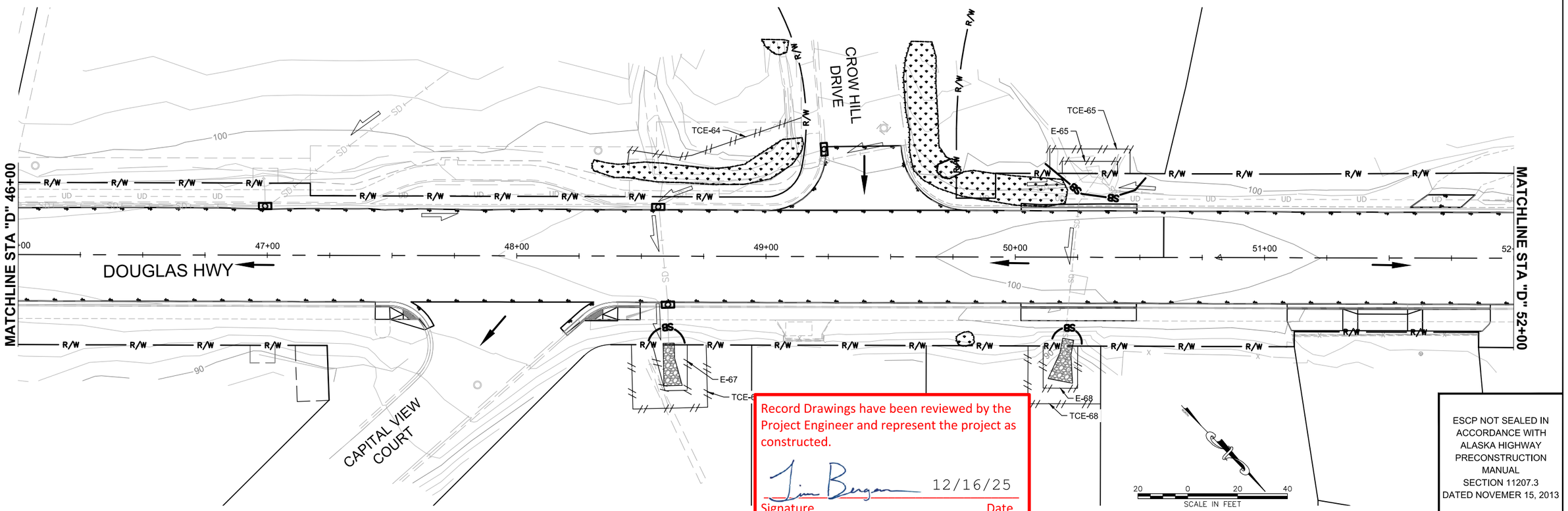
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

| FIRM | DOWL | | |

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	P3	P8





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Jim Bergan 12/16/25

Signature Date

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM	DOWL	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR
DATE	7/14/2022 11:24	LAYOUT	P3				
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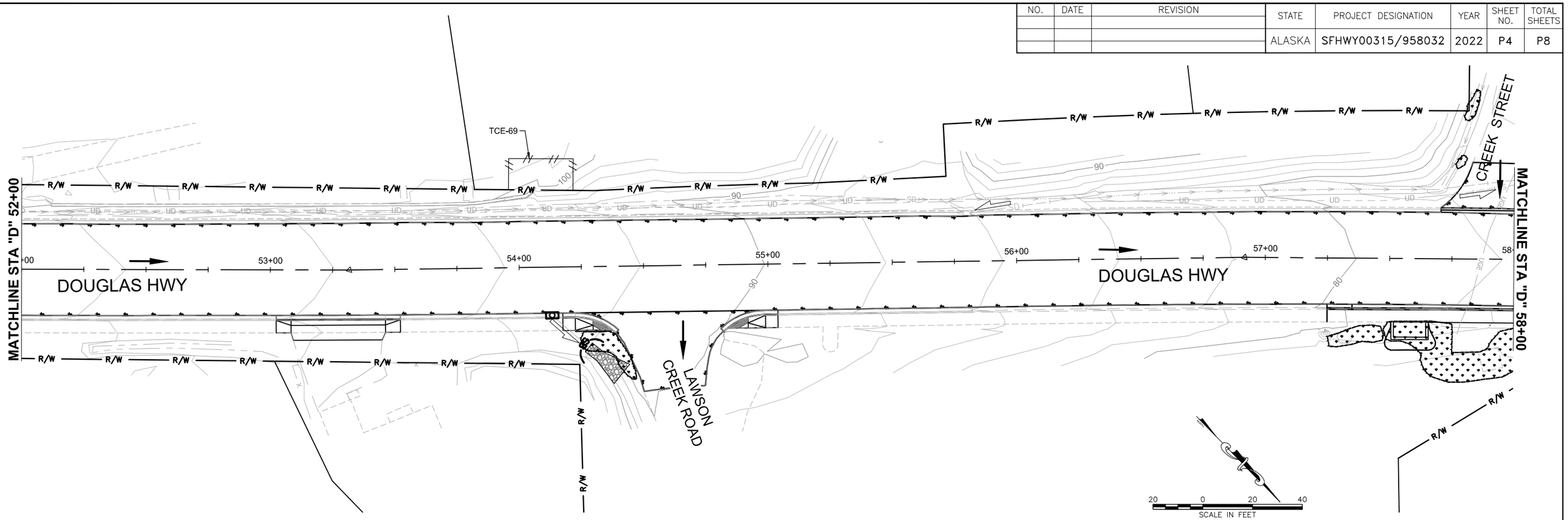
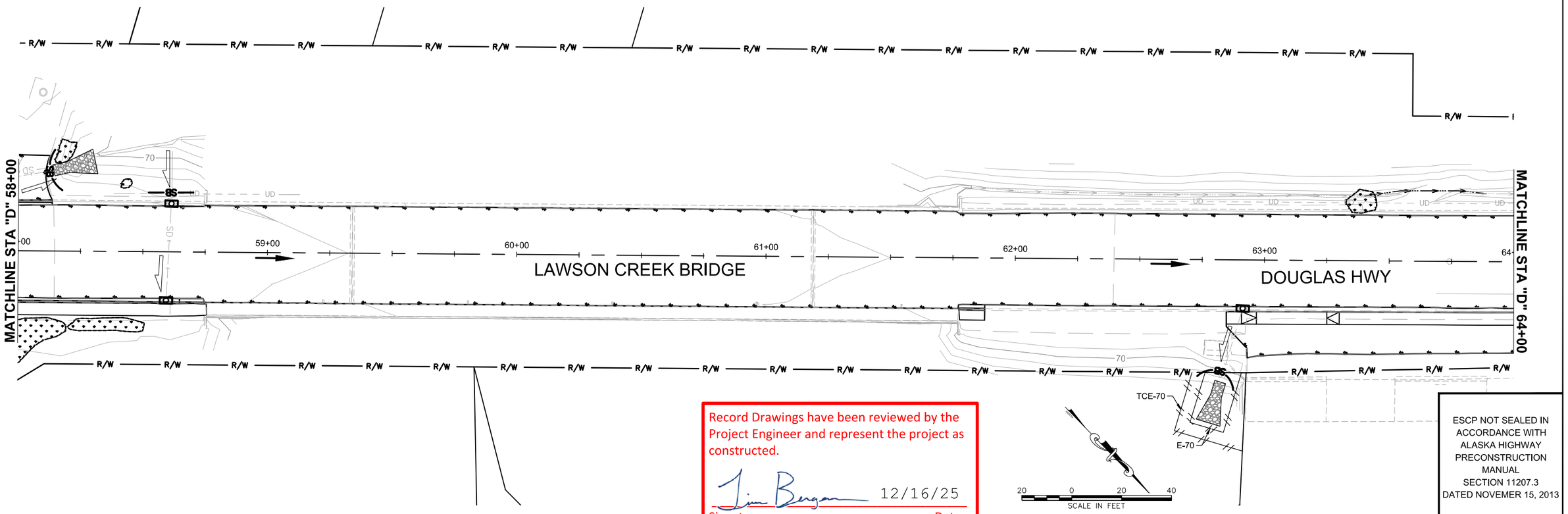
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	P4	P8





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

Jim Bergan 12/16/25

Signature Date

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848

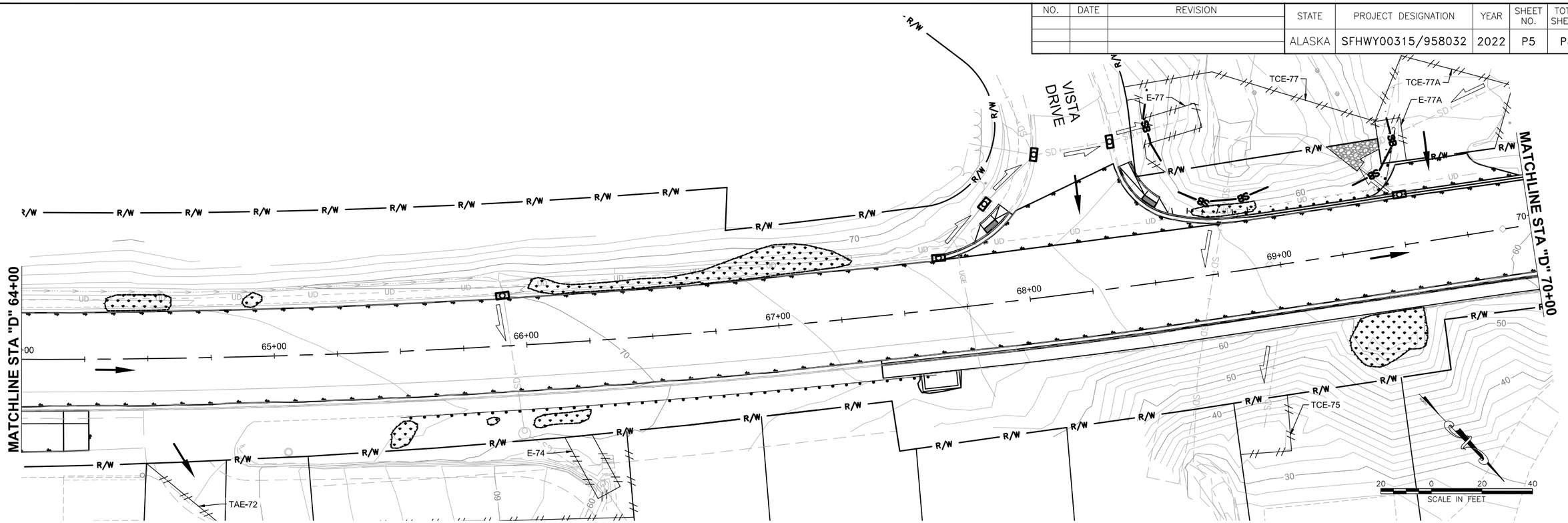
DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

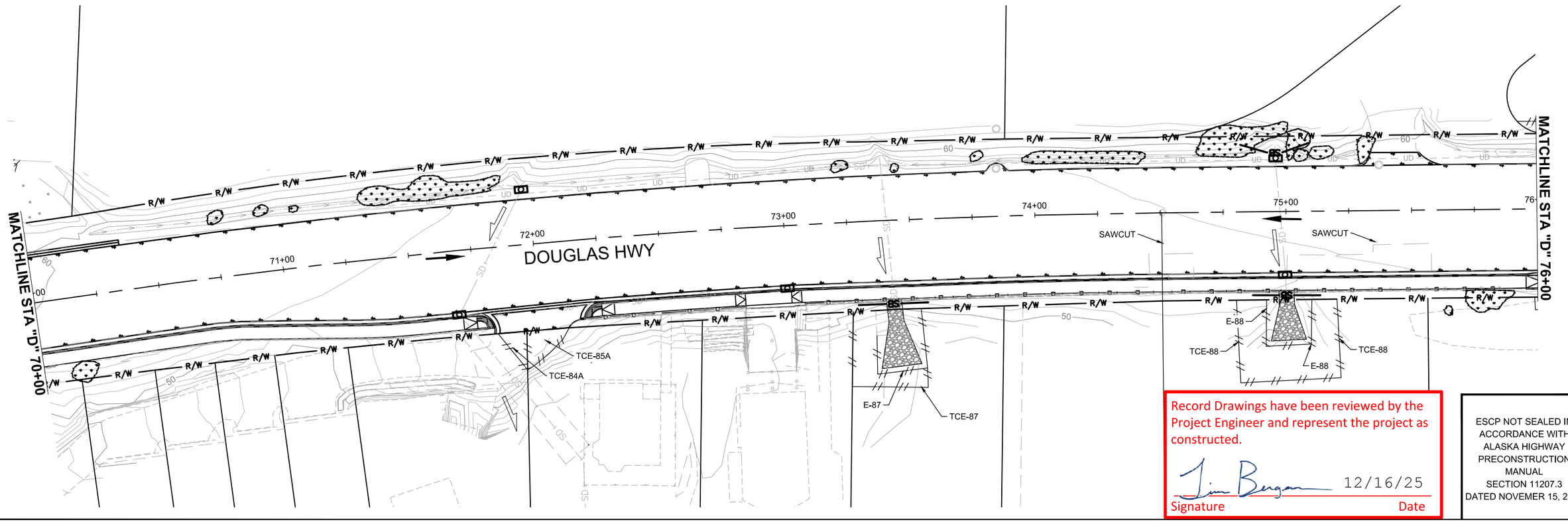
DATE 7/14/2022 11:24 | LAYOUT P4

FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase 1\Civil\SC-CT-ESCP-P-70897.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	P5	P8





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

Jim Bergan 12/16/25

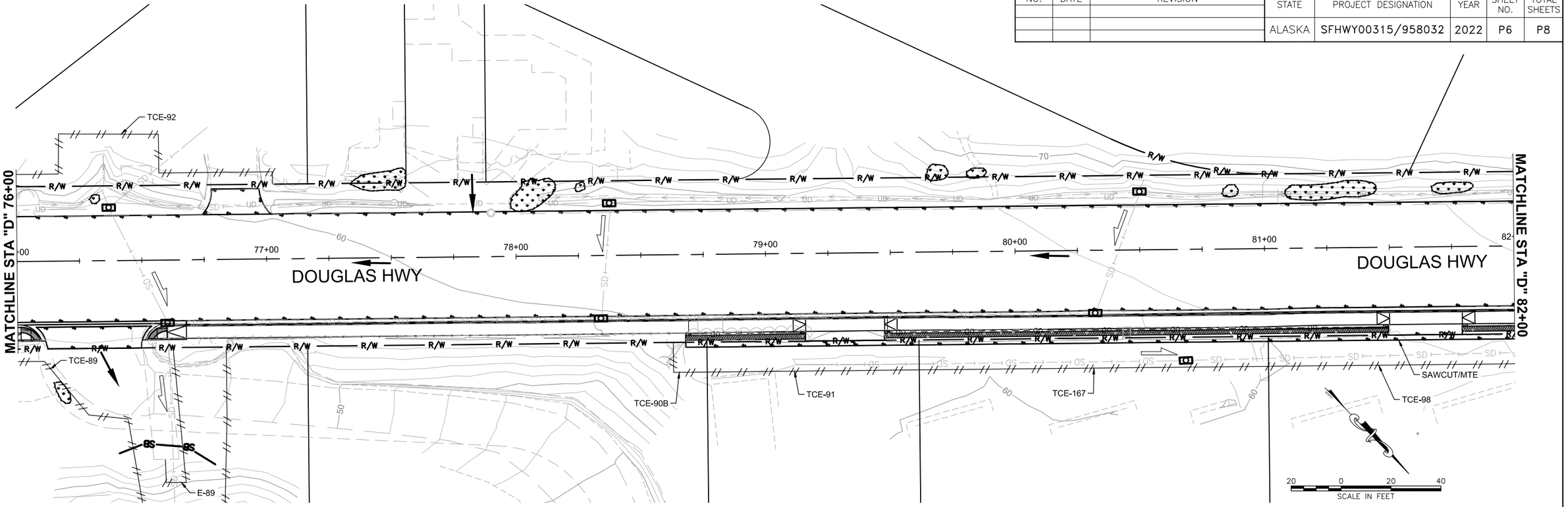
Signature Date

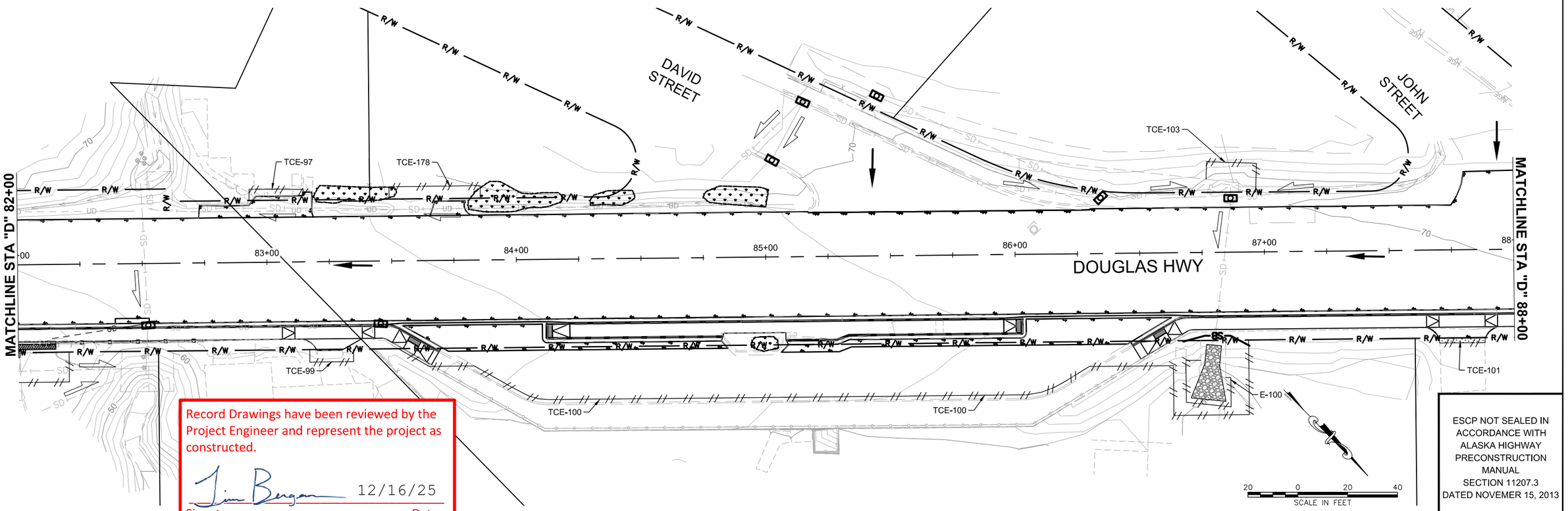
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM DOWL | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/14/2022 11:24 | LAYOUT P5
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase 1\Civil\SC-CT-ESCP-P-70897.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	P6	P8





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

Jim Bergan 12/16/25

Signature Date

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
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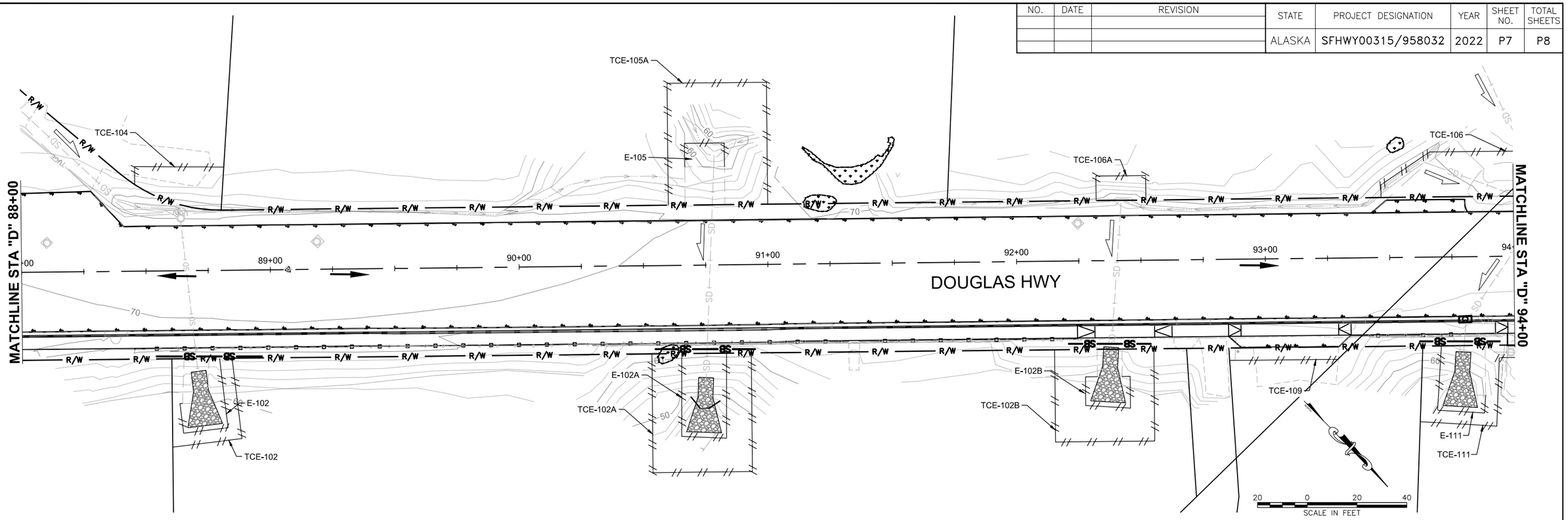
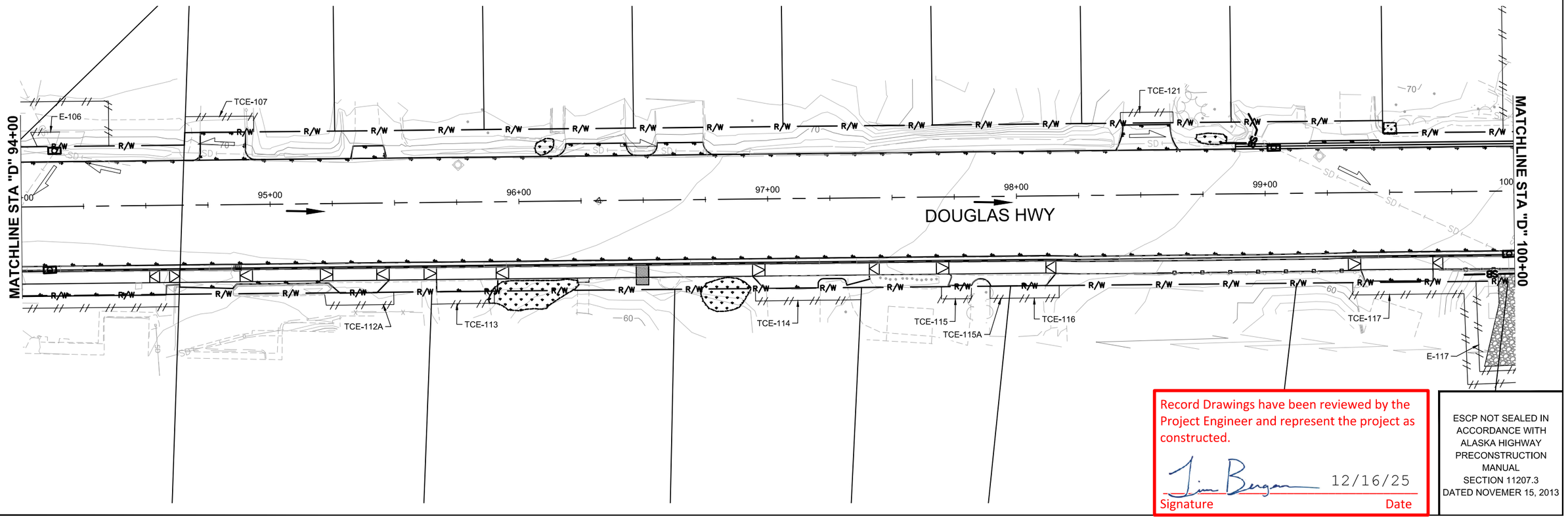
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	P7	P8





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

Jim Bergan 12/16/25

Signature Date

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM	DOWL	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR
DATE	7/14/2022 11:24	LAYOUT	P7				
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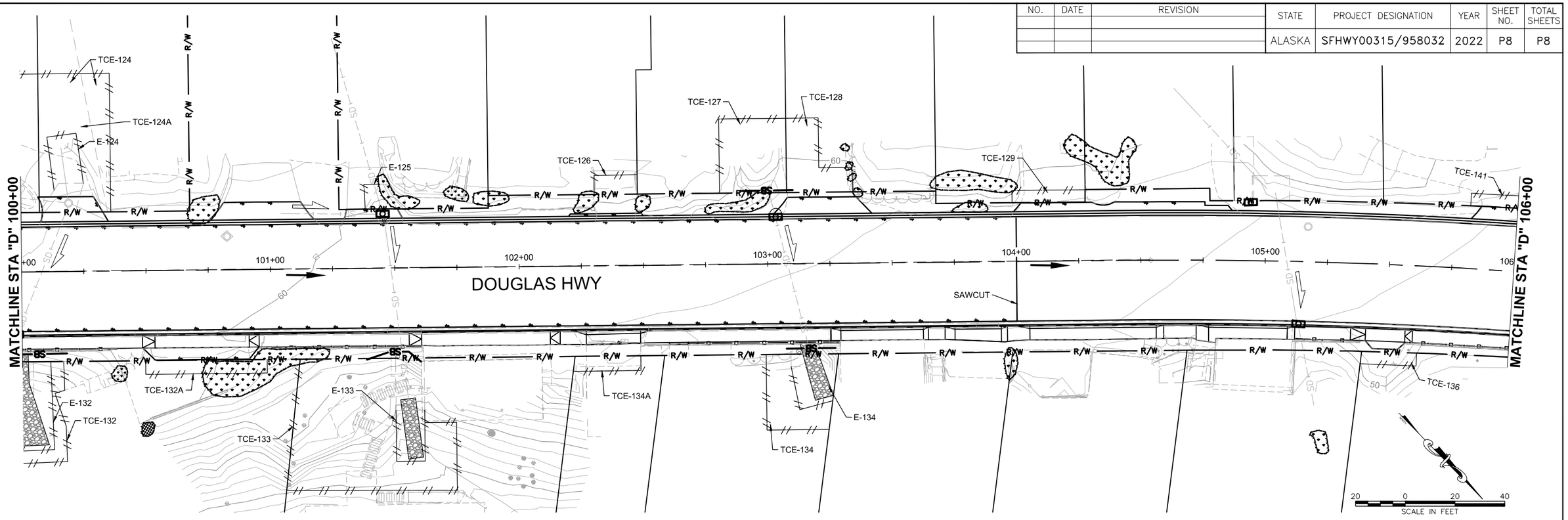
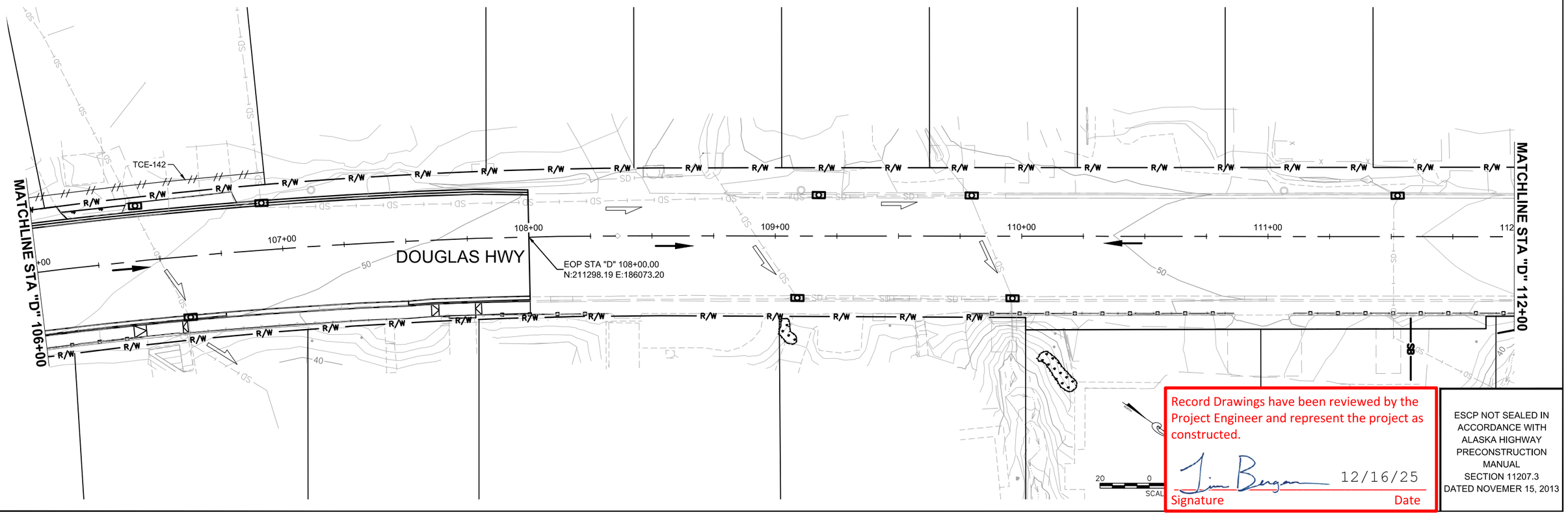
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	P8	P8





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

Jim Bergan 12/16/25

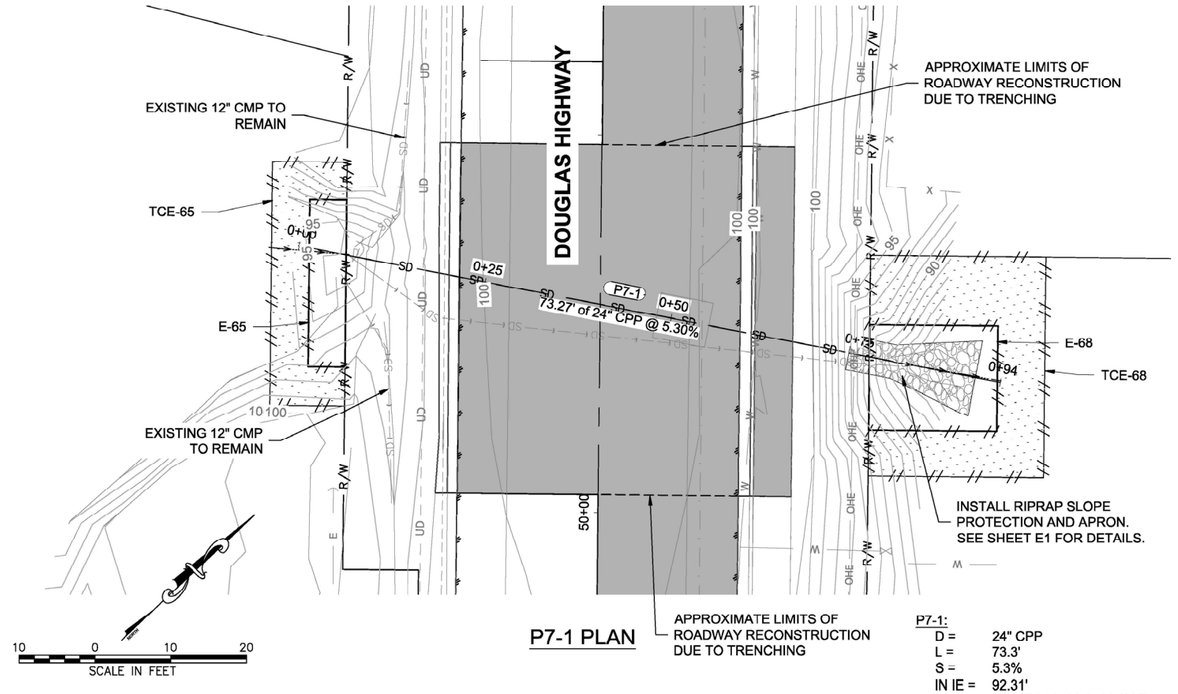
Signature Date

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM	DOWL
ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE	7/14/2022 11:24
FILE	\\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase 1\Civil\SC-CT-ESCP-P-70897.dwg

DESIGNED	STEPHENS	CHECKED	NOBLE
DRAFTED	LAFAVOUR		
PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848
LAYOUT	P8		

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	Q1	Q2

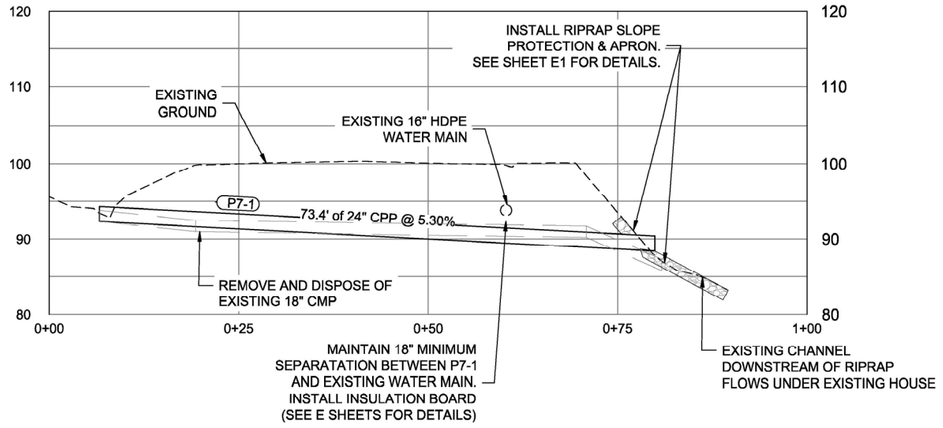


P7-1 PLAN

P7-1:
D = 24" CPP
L = 73.3'
S = 5.3%
IN IE = 92.31'
STA "D" 50+33.6, 33.2' LT.
OUT IE = 88.42'
STA "D" 50+20.3, 38.8' RT.

NOTES:

1. SUBMIT DEWATERING PLAN PER SPECIFICATIONS FOR REVIEW AND APPROVAL
2. WORK TO BE COMPLETED AT NIGHT WITH FLAGGING. ONE LANE TO REMAIN OPEN AT ALL TIMES WHILE PERFORMING THIS NIGHT WORK.



P7-1 PROFILE

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

Jim Bergan 12/16/25

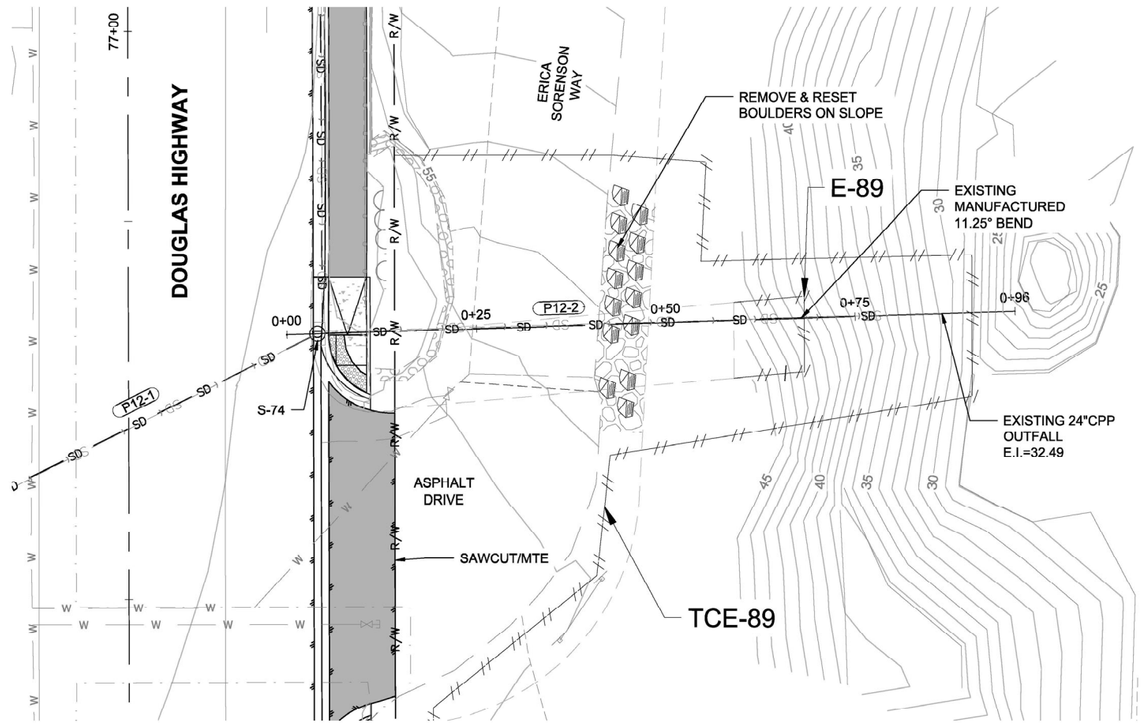
Signature Date

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 13, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SD-P1-Q-70897.dwg | DATE 7/13/2022 12:00 | LAYOUT G1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

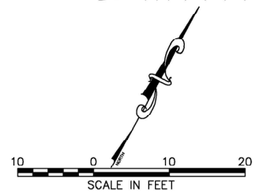
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2022	Q2	Q2

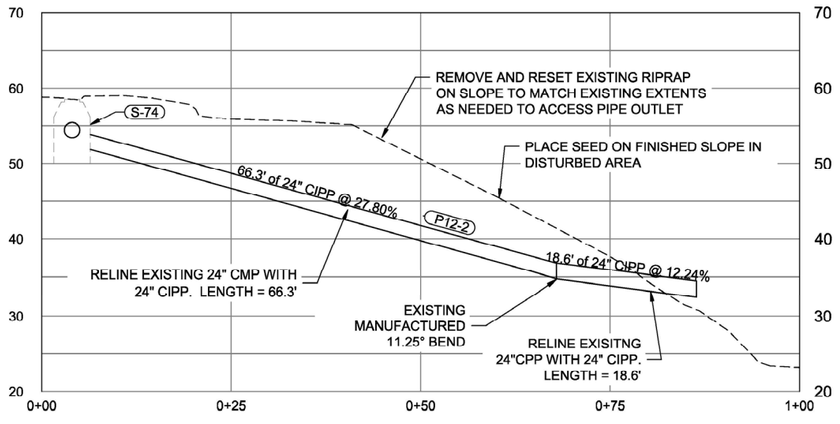


P12-2 PLAN

PHOTO OF EXISTING CONNECTION/BEND FROM 24"CMP TO 24"CPP PIPE

P12-2:
D = 24" CIPP
L = 84.9'
S = 27.8%/12.2%
IN IE = 52.53'
STA "D" 76+60, 24.9' RT.
OUT IE = 32.49'
STA "D" 76+62, 107.3' RT.





P12-2 PROFILE

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

Jim Bergan 12/16/25

Signature Date

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Jul 13, 2022
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SD-P1-0-70897.dwg | LAYOUT Q2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 7/13/2022 12:00

FIRM	DOWL						
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ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
DATE	7/15/2022 16:33	DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR
		LAYOUT	T1				

TRAFFIC CONTROL NOTES

1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. THE FINAL TCP ADDRESSING IN DEPTH THE VARIETY OF SITUATIONS THAT MAY OCCUR ONCE CONSTRUCTION HAS STARTED SHALL BE COMPLETED BY THE CONTRACTOR AND SUBMITTED FOR REVIEW BY THE ENGINEER.
2. ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE LATEST EDITION OF THE ALASKA TRAFFIC MANUAL (ATM) SHALL REFERENCE THE TYPICAL APPLICATION.
3. TWO LANES SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER. FLAGGERS MUST BE PRESENT FOR ANY LANE CLOSURES. IF LANE CLOSURES MUST OCCUR AND ARE APPROVED BY THE ENGINEER,THE CONTRACTOR SHALL STRICTLY ADHERE TO THE REQUIREMENTS OF THE LANE CLOSURE INCLUDING, BUT NOT LIMITED TO BEGINNING AND END TIMES, AND DURATION. AT NO TIME SHALL ALL LANES OF TRAFFIC BE CLOSED.
4. THE LENGTH OF WORK AREA SHALL BE MINIMIZED TO AVOID EXCESSIVE TRAFFIC DELAYS AS DIRECTED BY THE ENGINEER. IN NO CASE WILL THE CONTRACTOR EMPLOY A WORK AREA GREATER THAN 2000 FEET.
5. KEEP THE PUBLIC INFORMED OF CONSTRUCTION ACTIVITIES THROUGH A PUBLIC INFORMATION PLAN (PIP). SEE SECTION 643-3.03 OF THE SPECIAL PROVISIONS FOR PIP REQUIREMENTS.
6. SEE SECTION 202-3.05 OF THE SPECIAL PROVISIONS FOR LIMITATIONS ON PAVEMENT REMOVAL AND REPAVING. REPAVED SECTIONS REQUIRE INTERIM PAVEMENT MARKINGS PER SECTION 643-2.01 OF THE SPECIFICATIONS.
7. LOCATION OF DOUBLE TRAFFIC SIGNS SHALL BE ESTABLISHED IN ACCORDANCE WITH THE AK DOT&PF STANDARD PLAN C-04.12.
8. NIGHT WORK MAY BE REQUIRED IF WORK REQUIRES ONE LANE OF TRAFFIC. THE CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS FOR NIGHT WORK. THE CONTRACTOR SHALL PERFORM NIGHT WORK WITHIN THE TIMES IDENTIFIED IN THE SPECIFICATIONS.
9. THE CONTRACTOR SHALL NOTIFY EACH RESIDENT OR PROPERTY OWNER OF EACH DRIVEWAY CLOSURE 3 DAYS BEFORE CLOSING THE DRIVEWAY TO VEHICULAR ACCESS AND AGAIN 24 HOURS BEFORE CLOSURE. THE RESIDENT OR PROPERTY OWNER SHALL BE INFORMED OF THE PERIOD OF TIME THE CLOSURE WILL BE IN EFFECT. NO DRIVEWAY CLOSURES WILL BE PERMITTED UNTIL THIS REQUIREMENT HAS BEEN MET TO THE SATISFACTION OF THE ENGINEER.
10. THE CONTRACTOR SHALL NOTIFY EACH RESIDENT OR PROPERTY OWNER OF ON-STREET PARKING CLOSURES 3 DAYS BEFORE CLOSING THE DRIVEWAY TO VEHICULAR ACCESS AND AGAIN 24 HOURS BEFORE CLOSURE. THE RESIDENTS OR PROPERTY OWNERS SHALL BE INFORMED OF THE PERIOD OF TIME THE CLOSURE WILL BE EFFECT AND WHERE TEMPORARY ON-STREET PARKING IS AVAILABLE DURING THE CLSOURE. NO ON-STREET PARKING CLOSURES WILL BE PERMITTED UNTIL THIS REQUIREMENT HAS BEEN MET TO THE SATISFACTION OF THE ENGINEER.

PERMANENT CONSTRUCTION SIGNING

* ADVANCE WARNING SIGNS, NUMBER AND SPACING VARIES PER THE IMPLEMENTED TCP.

** DOUBLE TRAFFIC FINE SIGNS SHALL BE INSTALLED AT MAJOR INTERSECTIONS WITHIN THE DOUBLE FINE ZONE TO WARN ENTERING DRIVERS OF DOUBLE FINES.

*** ALL PERMANENT CONSTRUCTION SIGNING SHALL MEET REQUIREMENTS OF CURRENT VERSIONS OF THE MUTCD & ATM.

TCP LEGEND

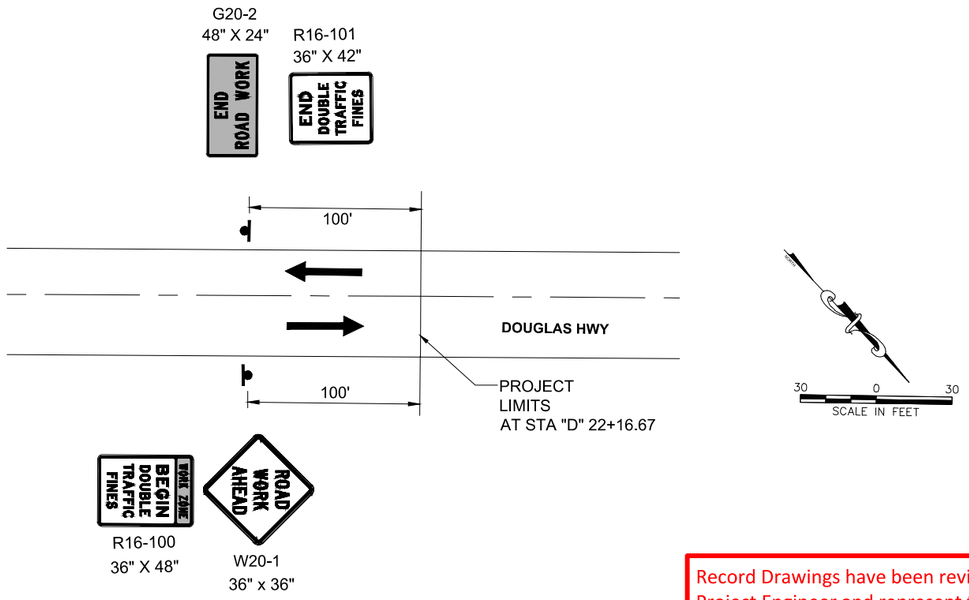
- SIGN
- CONE
- DRUM
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE
- ONE LANE TWO WAY TRAFFIC
- VEHICLE TRAVEL PATH DURING A FLAGGING PHASE
- TYPE III BARRICADE
- TYPE II BARRICADE
- WORK ZONE

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	T1	T3

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	50	100	425
55	550	605	660	11	12	13	55	110	495
60	600	660	720	11	12	13	60	120	570



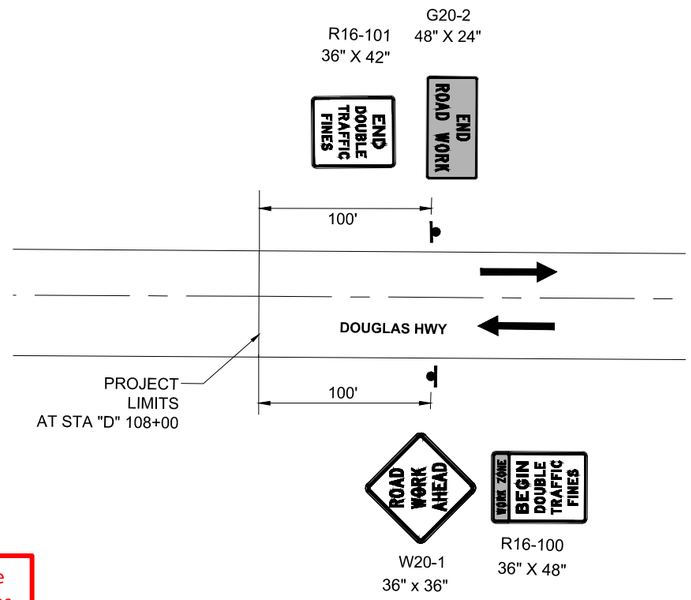
PERMANENT CONSTRUCTION BEGINNING OF PROJECT

SEE PERMANENT CONSTRUCTION SIGNING NOTES THIS SHEET

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

Jim Bergan 12/16/25

Signature Date



PERMANENT CONSTRUCTION END OF PROJECT

SEE PERMANENT CONSTRUCTION SIGNING NOTES THIS SHEET

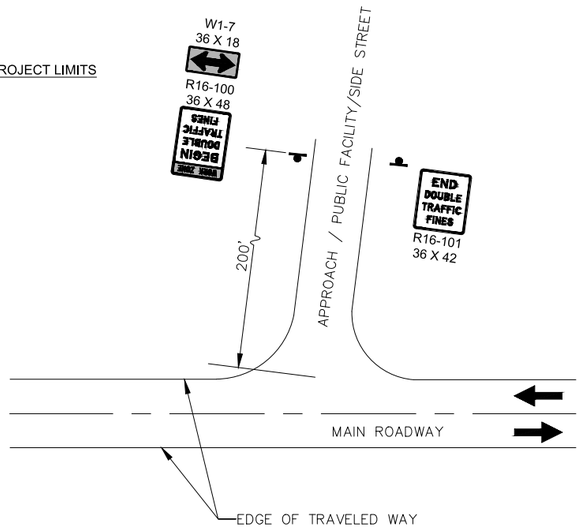
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

NO.	DATE	REVISION

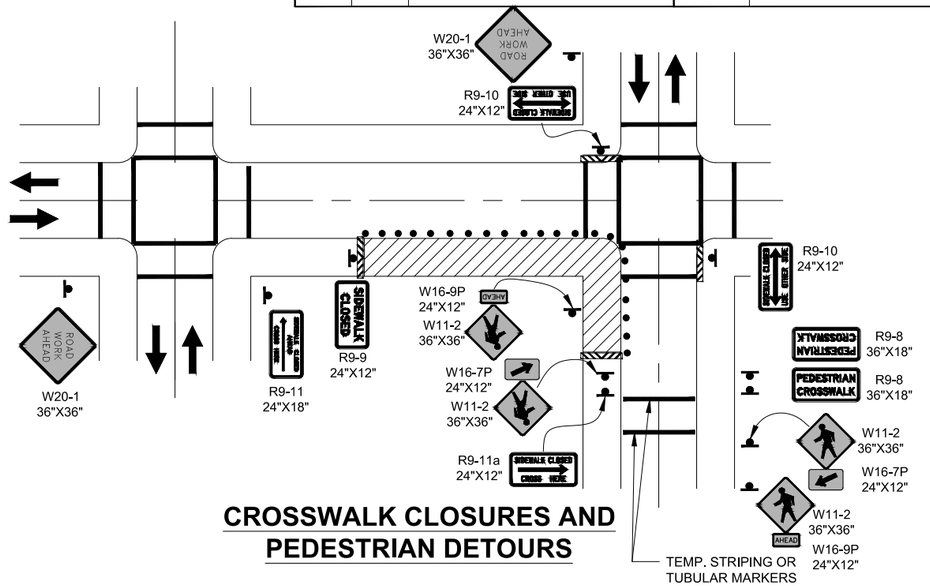
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	T2	T3

SIDE STREETS WITHIN PROJECT LIMITS

G STREET
H STREET
I STREET
CHATHAM PL DR
CAPITAL VIEW CT
CROW HILL DR
LAWSON CREEK RD
CREEK ST
VISTA DR
ERICK SORENSON WAY
DAVID ST
JOHN ST



PERMANENT CONSTRUCTION SIGNING SIDE STREETS



CROSSWALK CLOSURES AND PEDESTRIAN DETOURS

NOTES:

1. USE TEMPORARY ADA COMPLIANT SURFACES TO CROSS PLANTER STRIPS OR OTHER NON-TRAVERSABLE SURFACES.
2. PLACE OR CONSTRUCT TEMPORARY SIDEWALK RAMPS, AS NEEDED.
3. WIDTH OF TEMPORARY PATHWAY SHALL BE 4' MIN WHEN 5' CANNOT BE MET.
4. INSTALL A "BICYCLES ON ROADWAY" (CW11-1) SIGN IN ADVANCE OF THE DIVERSION WHEN A BIKE LANE IS CLOSED, OR WHEN THE SHOULDER IS CLOSED AND BIKES ARE EXPECTED.

SIDEWALK DIVERSION - 1

NOTES:

1. USE TEMPORARY ADA COMPLIANT SURFACES TO CROSS PLANTER STRIPS OR OTHER NON-TRAVERSABLE SURFACES.
2. PLACE OR CONSTRUCT TEMPORARY SIDEWALK RAMPS, AS NEEDED.
3. WIDTH OF TEMPORARY PATHWAY SHALL BE 4' MIN WHEN 5' CANNOT BE MET.
4. THIS DETAIL IS TO BE USED WHEN ADEQUATE ROW AND SPACE ARE AVAILABLE BEHIND THE SIDEWALK.
5. INSTALL A "BICYCLES ON ROADWAY" (CW11-1) SIGN IN ADVANCE OF THE DIVERSION WHEN A BIKE LANE IS CLOSED, OR WHEN THE SHOULDER IS CLOSED AND BIKES ARE EXPECTED.

SIDEWALK DIVERSION - 2

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

Jim Bergan 12/16/25

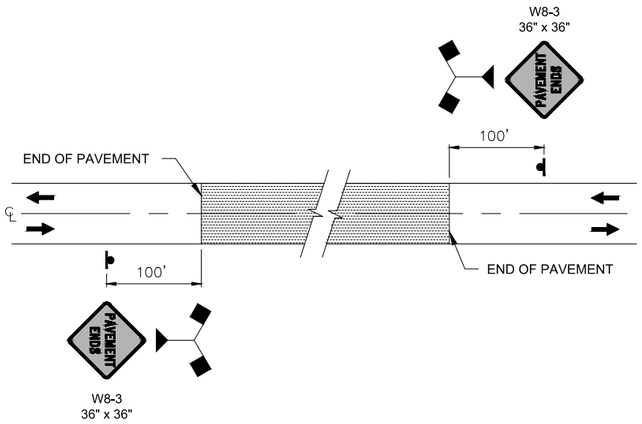
Signature Date

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

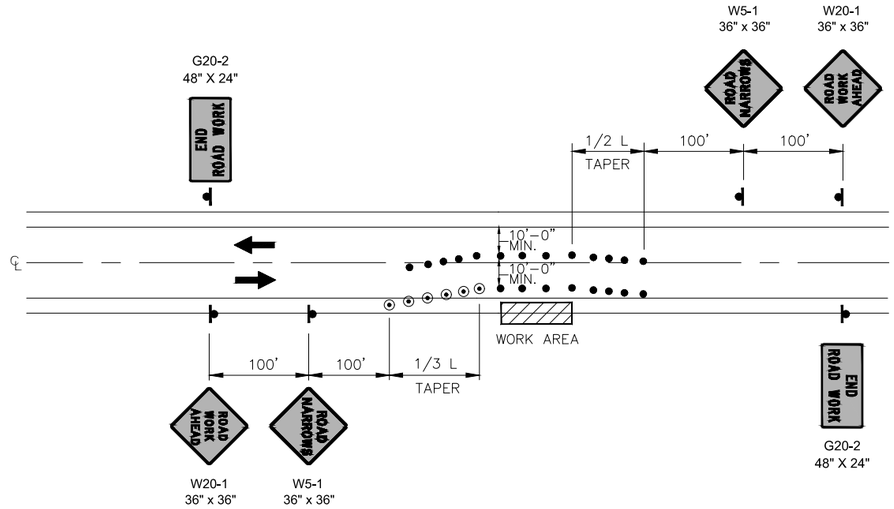
FIRM	DOWL	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848		
		DESIGNED	STEPHENS	CHECKED	NOBLE	DRAFTED	LAFAVOUR
FILE	\\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-TC-T-70897.dwg	LAYOUT	T2				
		ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801			DATE	8/6/2021 0:02

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2022	T3	T3



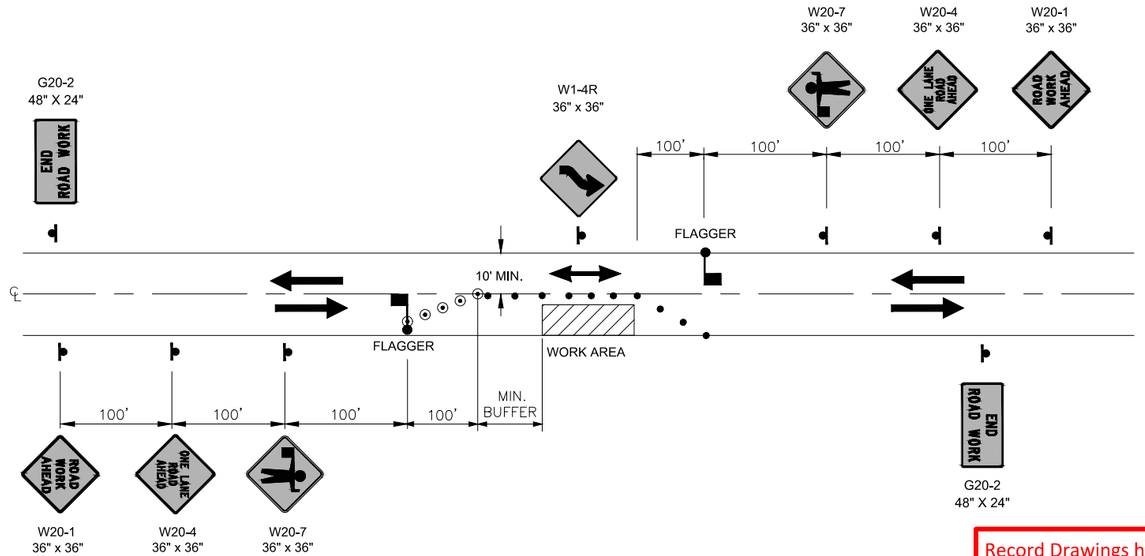
SIGNING FOR UNPAVED AREA



ROADWAY ENCROACHMENT

NOTE:

1. IF ONLY ONE LANE IS AFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE WILL NOT BE NEEDED.
2. SEE TCP SETUP TABLE ON SHEET T1 FOR TAPER LENGTH (L).

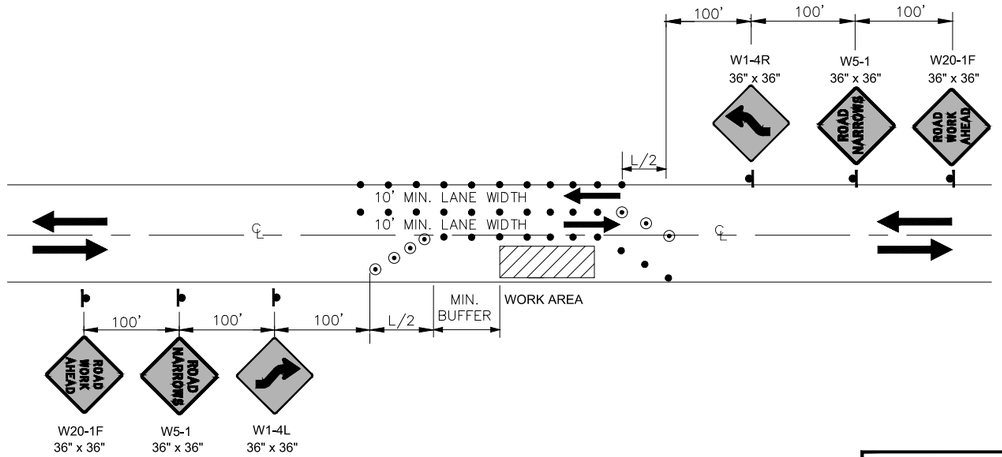


TWO LANE ROAD - SINGLE LANE CLOSURE

DOUBLE FLAGGER

NOTE:

1. SEE TCP SETUP TABLE ON SHEET T1 FOR TAPER LENGTH (L) AND MINIMUM BUFFER LENGTH.



TWO-WAY TRAFFIC - DOUBLE LANE SHIFT

NOTE:

1. SEE TCP SETUP TABLE ON SHEET T1 FOR TAPER LENGTH (L) AND MINIMUM BUFFER LENGTH.

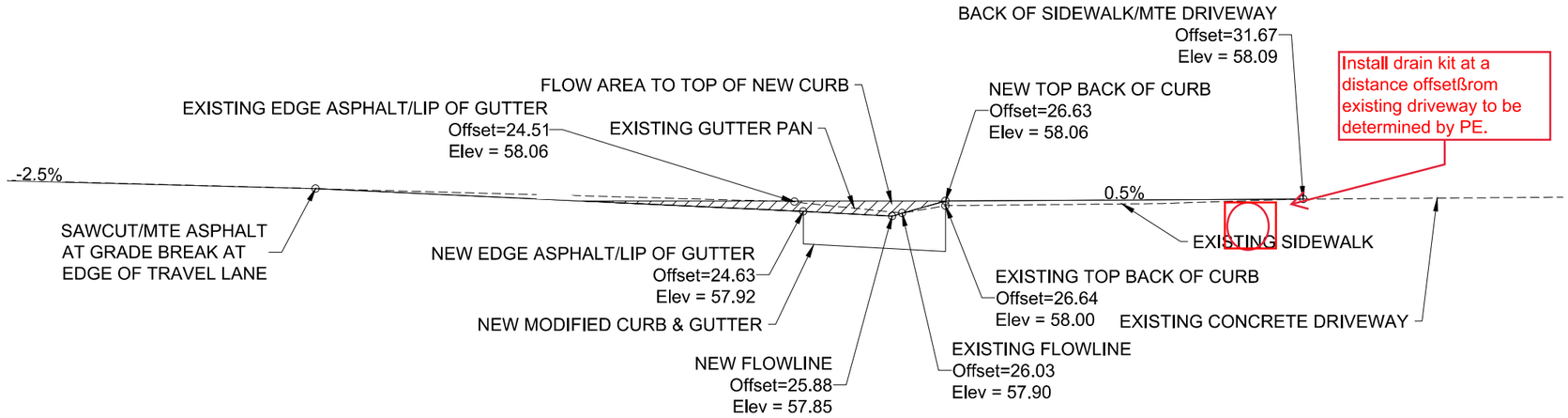
Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

Jim Bergan 12/16/25

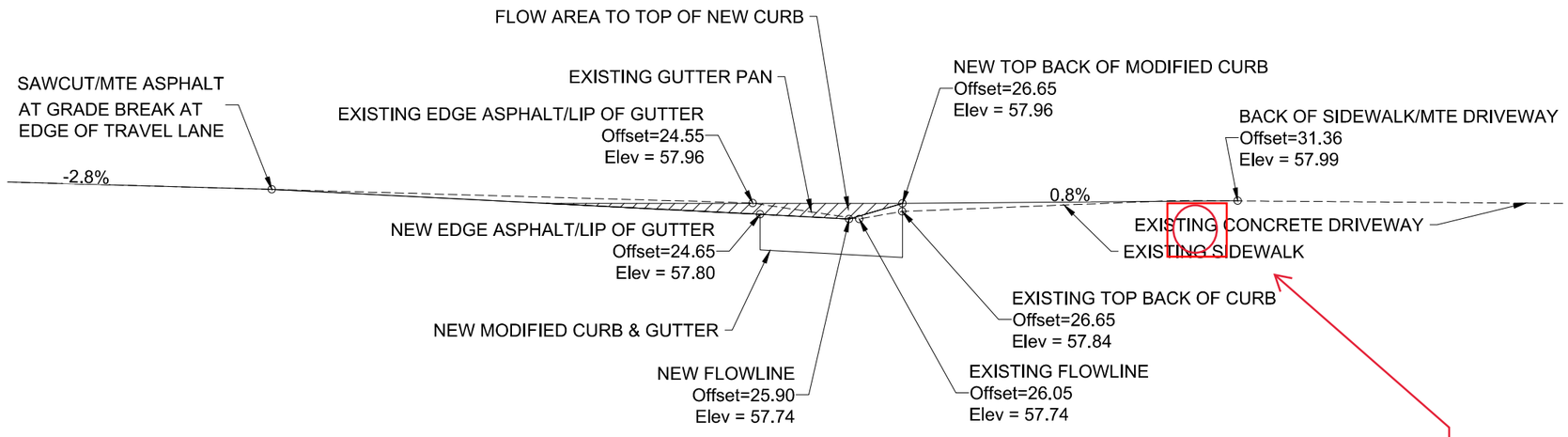
Signature Date

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

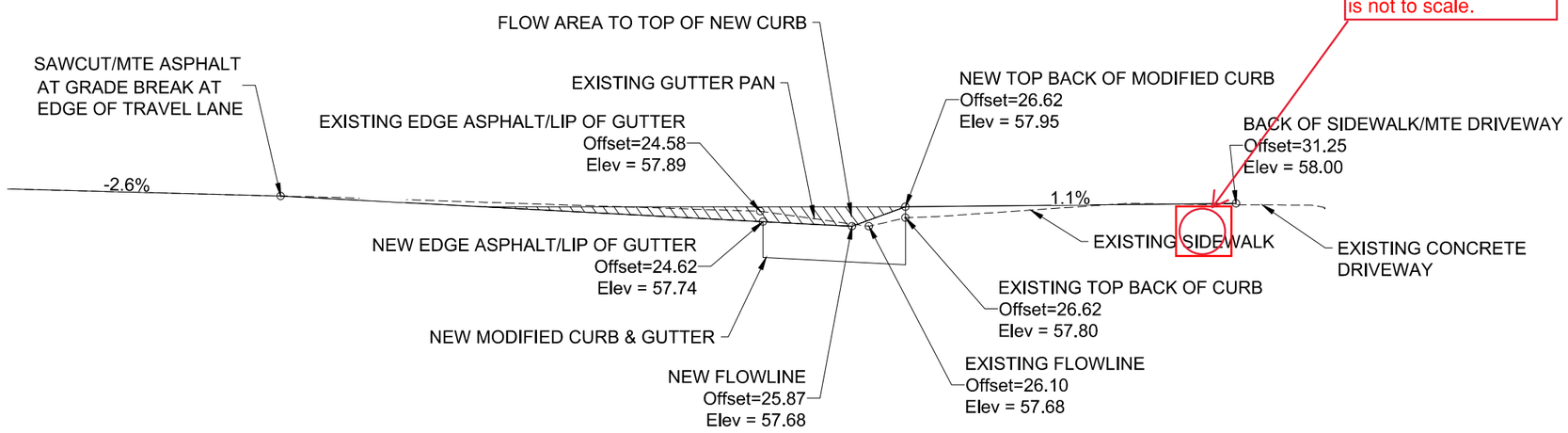
FIRM DOWL | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
DATE 8/6/2021 0:02 | LAYOUT T3
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-GT-TC-T-70897.dwg



SECTION A-A
UPSTREAM END OF DRIVEWAY
STA 'D' 102+26.76
(ESTIMATED GUTTER FLOW: 0.85 CFS IMPROVEMENT)



SECTION B-B
CENTER OF DRIVEWAY
STA 'D' 102+39.10
(ESTIMATED GUTTER FLOW: 0.93 CFS IMPROVEMENT)



SECTION C-C
DOWNSTREAM END OF DRIVEWAY
STA 'D' 102+48.59
(ESTIMATED GUTTER FLOW: 1.65 CFS IMPROVEMENT)

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

Jim Bergan 12/16/25

Signature Date

REVISIONS

REV	DATE	DESCRIPTION	BY

DOWL
WWW.DOWL.COM

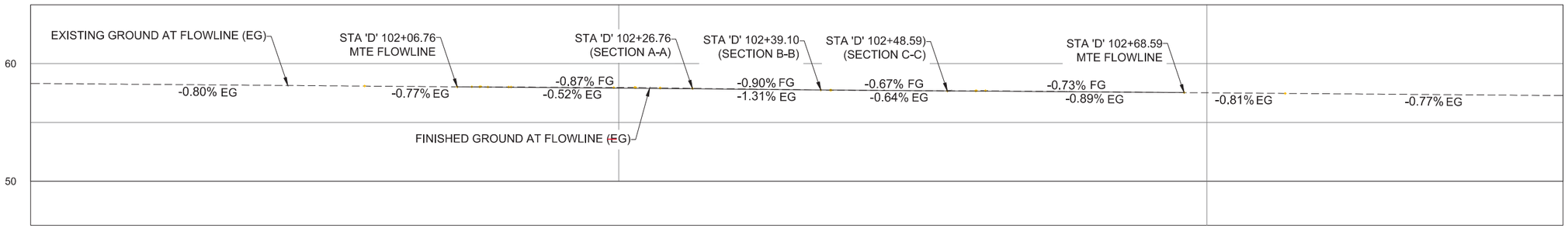
JNU SOUTH DOUGLAS HIGHWAY IMPROVEMENTS
JNU DOUGLAS HWY STAGE 2 CONSTRUCTION
3110 DOUGLAS HWY DRIVEWAY
DRAINAGE - CROSS SECTIONS
JUNEAU, AK
PROJECT NO. SFHWY00315/958032

PROJECT 1222.70897.02
DATE 8/29/23

© DOWL 2023

SHEET
1 OF 1

\\JNU-FS\jnu-projects\22\70897-02\65CAD\Phase II\Civil\MC-CT-DR-70897.dwg PLOT DATE 2023-8-29 15:55 SAVED DATE 2023-08-29 15:51 USER: rstephens



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

Jim Bergan 12/16/25

Signature Date

REVISIONS

REV	DATE	DESCRIPTION	BY

DOWL
WWW.DOWL.COM

JNU SOUTH DOUGLAS HIGHWAY IMPROVEMENTS
JNU DOUGLAS HWY STAGE 2 CONSTRUCTION

3110 DOUGLAS HWY DRIVEWAY
DRAINAGE - FLOWLINE PROFILE

JUNEAU, AK
PROJECT NO. SFHW00315/958032

PROJECT 1222.70897.02
DATE 9/1/23

© DOWL 2023

SHEET
1 OF 1

\\JNU-FS\jnu-projects\22\70897-02\65CAD\Phase II\Civil\MC-CT-CR-70897.dwg PLOT DATE 2023-9-8 14:18 SAVED DATE 2023-09-08 13:40 USER: rstephens

NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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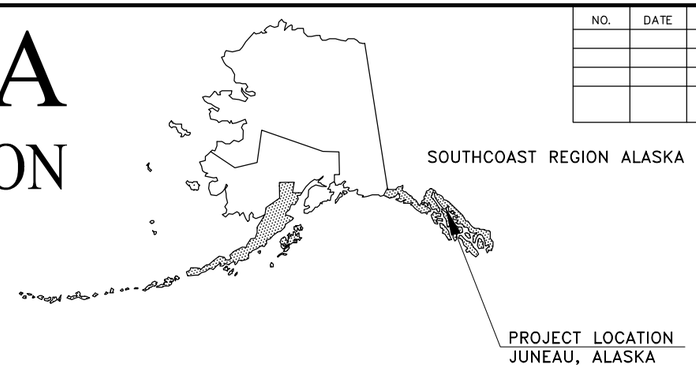
			CDS ROUTE: 296110		MILEPOINT: 1.32		
			LATITUDE: 58°17'15.21"N		LONGITUDE: 134°24'59.89"W		

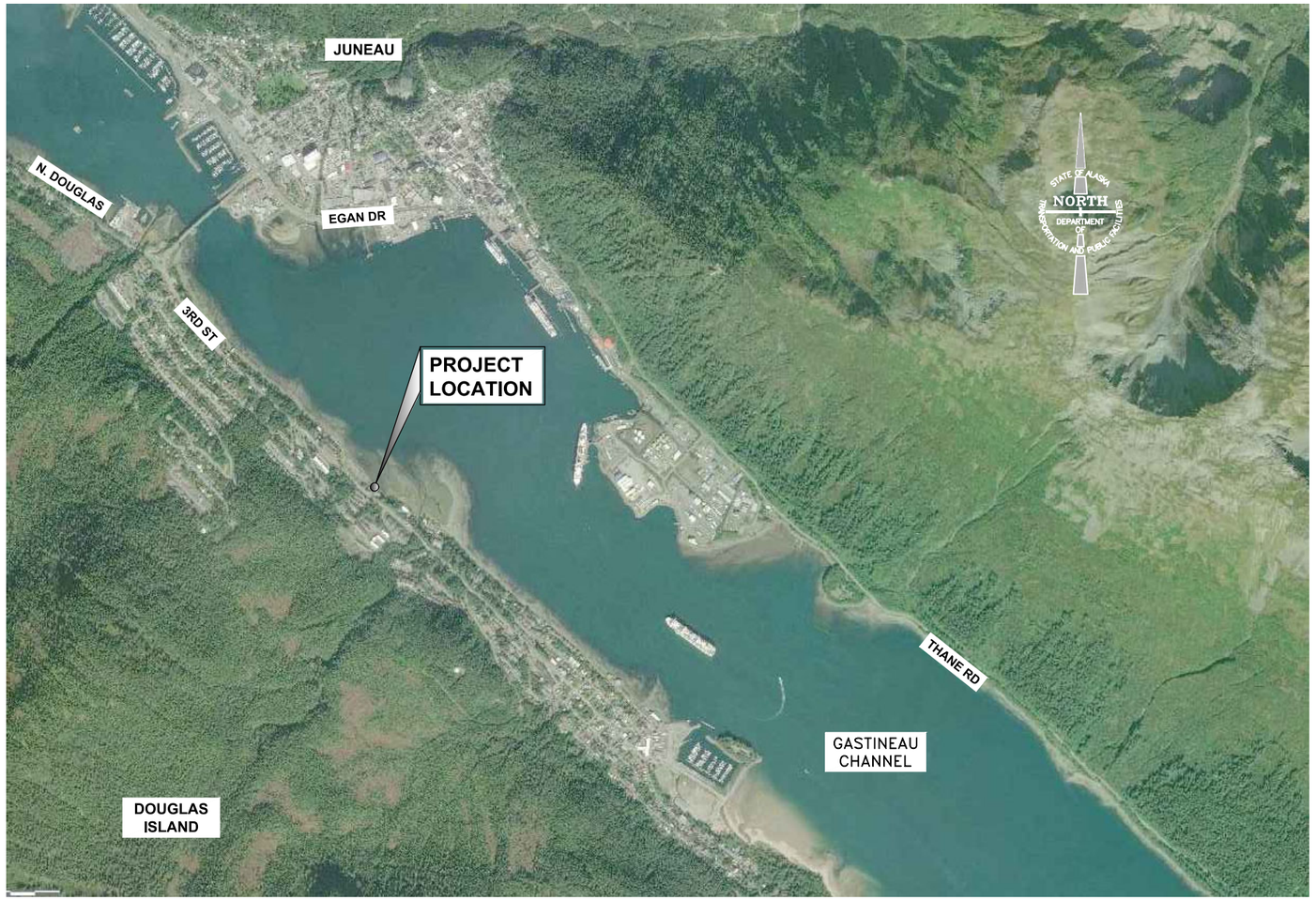
STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES



PLANSET B
PROPOSED HIGHWAY PROJECT
JUNEAU, ALASKA
DOUGLAS HIGHWAY SLOPE STABILIZATION
PROJECT NO. 0959021\SFHWY00163

Project Summary	
Douglas Highway	
PROJECT MILE POINT	1.32 MILES
FUNCTIONAL CLASS	MAJOR COLLECTOR
AVERAGE ANNUAL DAILY TRAFFIC (AADT)	7793
SEASONAL ADT (AVERAGE JUN-SEP 2018)	8630
DHV (2018)	840
PERCENT TRUCKS (T)	2.40%
DIRECTIONAL SPLIT (D)	60/40
DESIGN SPEED DURING CONSTRUCTIONS (V)	40 MPH



VICINITY MAP

Project Engineer: Tina Bergam
Contractor: Secon
Begin Date of Work: 6/24/23
End Date of Work: 7/15/23

Tina Bergam

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

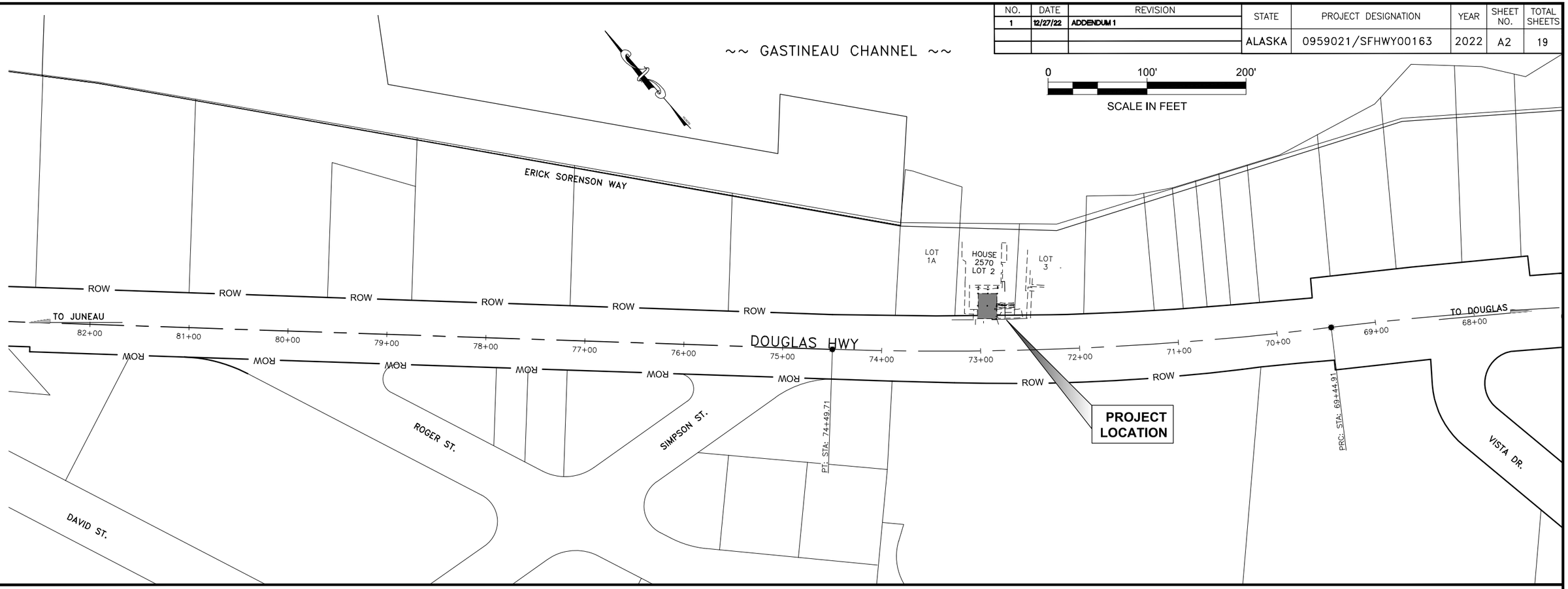
Tina Bergam 12/16/25

Signature Date

FILE | Q:\Jnu\SFHWY00163\Planset\00163_A1 Tsht [for consolidated].dwg | DATE | 7/21/2022 16:56 | LAYOUT | A1 | DESIGNED | PW, BL | CHECKED | DP | DRAFTED | RG

NO.	DATE	REVISION
1	12/27/22	ADDENDUM 1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0959021/SFHWY00163	2022	A2	19



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LAYOUT & INDEX OF SHEET
A3	LEGEND & SYMBOLS
A4	SURVEY CONTROL
B1	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITES
D1	SUMMARIES
F1	PLAN & PROFILE
G1	DRIVEWAY DETAIL
M1	EXISTING CONDITIONS PLAN & PROFILES
M2	DEMOLITION AND TEMPORARY CONSTRUCTION
M3	NEW SOLDIER PILE WALL
M4	M4 SECTION 1
M5	PROFILE AND DETAILS
Q1	EROSION & SEDIMENT CONTROL PLAN
T1	PERMANENT CONSTRUCTION SIGNS
T2-T3	TRAFFIC CONTROL DETAILS
U1	WATERLINE REMOVAL DETAILS

1

THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THIS PROJECT:

C-04.12	I-20.20	S-00.12	T-21.04
C-05.20	D-26.04	S-01.02	
D-24.00		S-05.02	
D-01.02		S-20.11	

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

Jim Bergan 12/16/25

Signature Date

STATE OF ALASKA
DAVID A. PYEATT
4/3/2023
AELC13268
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

LAYOUT & INDEX OF SHEETS

FILE | Q:\Jnu\SFHWY00163\Planset\00163_A2 Layout.dwg | DATE | 4/3/2023 11:47 | LAYOUT | A2 | DESIGNED | PW, BL | CHECKED | DP | DRAFTED | RG, BL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFHWY00163	2022	A3	19

CONSTRUCTION CENTERLINE	5+00	
MICELLANEOUS CENTERLINE	10+00	
STATION EQUATION	"L"48+97.23 POT BK= / "O"48+97.23 PC AHD	
PROJECT RIGHT-OF-WAY LINE	ROW	
EXISTING PROPERTY LINE		
EXISTING EASEMENT LINE		
TEMPORARY CONSTRUCTION EASEMENT LINE		
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)	SS	SS
FORCE MAIN	FM	
FUEL LINE	O	O
GAS LINE	G	G
WATER LINE	W	W
WATER SERVICE LINE	WS	
METER, VALVE, FIRE HYDRANT	W	W
EXISTING STORM DRAIN (FLOW DIRECTION →)	SD	
PROPOSED STORM DRAIN	S-10, S-11, P-11, P-10, SD, MH	
FIBER OPTIC LINE	FO	
DIRECT BURIAL TELEPHONE CABLE	T	T
DIRECT BURIAL ELECTRIC CABLE	UGE	
ELECTRIC LINE (OVERHEAD)	OHE	
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT	T	T
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN OR DROP INLET		
MANHOLE	MH	MH
SANITARY SEWER CLEAN OUT		

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

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		5
JUNCTION BOX, TYPE II		6
JUNCTION BOX, TYPE III		3
SIGNAL FACE, VEHICULAR	42	42
SIGNAL FACE, BACKPLATE	42	42
SIGNAL FACE, LEFT TURN, BACKPLATE	43	43
SIGNAL FACE, PEDESTRIAN		
LOOP DETECTOR	33	73
VIDEO DETECTOR	2	2
RADAR DETECTOR	4	4A
OPTICOM DETECTOR	1	1
PEDESTRIAN PUSH BUTTON	1	1
SIGNAL POST W/O MAST ARM		1
SIGNAL POLE W/MAST ARM		4
SIGNAL CONTROLLER		
LOAD CENTER		
LUMINAIRE		12
RIGID METAL CONDUIT	EXISTING	ADJUSTED
EXISTING MONUMENT		
EXISTING MONUMENT TO BE ADJUSTED		

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

Jim Bergan 12/16/25

Signature Date

STATE OF ALASKA
DAVID A. PFEATT
5/26/2022
AELC13268
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

JNU - DOUGLAS HIGHWAY SLOPE STABILIZATION

LEGEND & SYMBOLS

FILE | Q:\Jnu\SFHWY00163\Planset\00163_A3 Legend.dwg | LAYOUT | A3 | DESIGNED | PW, BL | CHECKED | DP | DRAFTED | RG, BL | DATE | 2/16/2022 12:16

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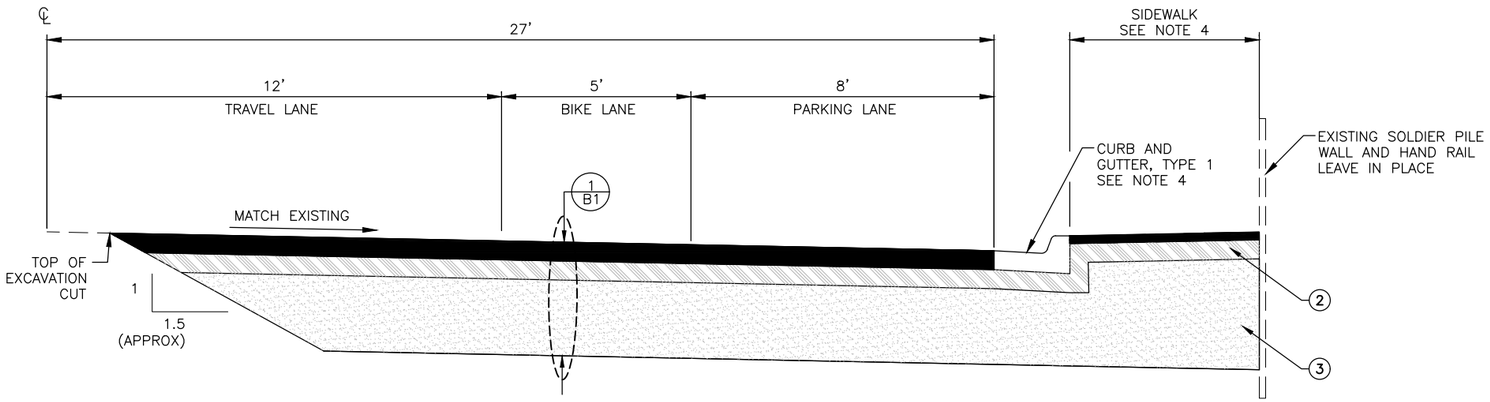
			ALASKA	0959021/SFHWY00163	2022	B1	19

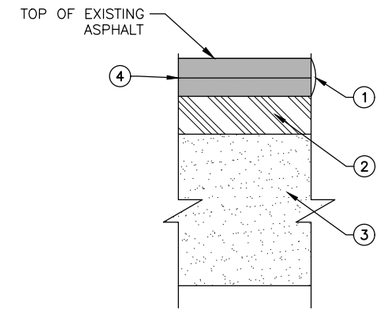


DOUGLAS HIGHWAY

STA. 72+39 TO STA. 73+13 RT

LEGEND

1. 6" ATB (3" OVER 3")
2. 4" AGGREGATE BASE COURSE, GRADING D-1
3. STRUCTURAL FILL
4. STE-1 TACK COAT



1/B1 PAVEMENT STRUCTURAL SECTION NO. 1

SCALE: NOT TO SCALE

TYPICAL SECTION NOTES:

1. MAXIMUM SIDEWALK CROSS SLOPE SHALL BE 2.0%.
2. SEE SHEET G1 FOR CURB TRANSITION DETAIL FOR DRIVEWAY
3. PROJECT SFHWY00315 WILL COLD PLANE AND REPAVE 2" OF THE ATB PAVED IN THIS PROJECT.
4. SIDEWALK AND CURB AND GUTTER INSTALLATION AND REMOVAL IS DETAILED AND PAID FOR IN PROJECT SFHWY00315.

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

Signature 12/16/25 Date

STATE OF ALASKA
49 TH
David A. Pyeatt
7/19/2022
AELC13268
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF
TRANSPORTATION
AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

JNU – DOUGLAS HIGHWAY
SLOPE STABILIZATION

TYPICAL SECTIONS

FILE | Q:\Jnu\SFHWY00163\Planset\00163_B1_Typs.dwg | DATE | 7/19/2022 13:49 | LAYOUT | B1 | DESIGNED | PW, BL | CHECKED | DP | DRAFTED | RG, BL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFHWY00163	2022	C1	19

ESTIMATE OF QUANTITIES

ITEM NO	PAY ITEM	UNIT	QUANTITY
202.0001.0000	Removal of Structures and Obstructions	LS	All Required
202.0002.0000	Removal of Pavement	SY	~~212~~ *
202.0004.0000	Removal of Culvert Pipe	LF	~~57~~ *
202.0008.0000	Removal of Inlet	EACH	1
205.0001.0000	Excavation for Structures	CY	377 249
205.0009.0000	Structural Fill	CY	313 221
301.0001.00D1	Aggregate Base Course, Grading D-1	TON	~~61~~ *
306.0001.0000	ATB	TON	~~80~~ *
306.0002.6428	Asphalt Binder, Grade PG 64-28	TON	~~4~~ *
306.2002.0000	Asphalt Material Price Adjustment	CS	All Required
402.0001.STE1	STE-1 Asphalt for Tack Coat	TON	~~0.1~~ *
521.2000.0000	Soldier Pile Retaining Wall	SF	~~386~~ 490
603.0001.0018	CSP 18 Inch	LF	~~57~~ 62
604.0005.000A	Inlet, Type A	EACH	1
640.0001.0000	Mobilization and Demobilization	LS	All Required
641.0001.0000	Erosion, Sediment and Pollution Control Administration	LS	All Required
641.0003.0000	Temporary Erosion, Sediment and Pollution Control	LS	All Required
641.0005.0000	Temporary Erosion, Sediment and Pollution Control by Directive	CS	All Required
641.0006.0000	Withholding	CS	All Required
642.0001.0000	Construction Surveying	LS	All Required
642.0013.0000	Three Person Survey Party	CS	All Required
643.0002.0000	Traffic Maintenance	LS	All Required
643.0003.0000	Permanent Construction Signs	LS	All Required
643.0023.0000	Traffic Price Adjustment	CS	All Required
643.0025.0000	Traffic Control	CS	All Required
643.2005.0000	Public Information Program	LS	All Required
643.2023.0000	Shuttle	DAY	~~30~~ 17

ASTERISKED QUANTITIES COMBINED WITH REPORTED QUANTITIES FOR SFHWY00315 SEE SHEET C1 OF SFHWY00315

BASIS OF ESTIMATE

ITEM NO	ITEM DESCRIPTION	ESTIMATING FACTOR
306.0001.0000	ATB	120 LBS / SY / IN
306.0002.5828	ASPHALT BINDER, GRADE PG 58-28	5% OF ITEM 306.0001.0000

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

Jim Bergan 12/16/25

Signature Date

NOTE: CURB AND GUTTER, REMOVAL OF SIDEWALK, AND DRIVEWAY WORK IS PAID FOR IN SFHWY00315.

STATE OF ALASKA
49TH
David A. Pleatt
7/21/2022
AELC13268
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

JNU – DOUGLAS HIGHWAY
SLOPE STABILIZATION

ESTIMATE OF QUANTITIES

DATE | 7/19/2022 14:04 | LAYOUT | C1 | DESIGNED | PW, BL | CHECKED | DP | DRAFTED | RG, BL

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFHWY00163	2022	D1	19

202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

START STATION	END STATION	OFFSET	NOTES
72+40	73+13	22 RT	12" DIP SLURRY FILLED
72+73	72+73	21 RT	8" DIP SLURRY FILLED
72+74	72+74	23 RT	WATER SERVICE
-	-	-	PILE ANCHORS AS SHOW ON M2

202.0008.0000 REMOVAL OF INLET

START STATION	OFFSET	NOTES
73+00.1	25 RT	REPLACE WITH ITEM 604.0005.000A

603.0001.0018 CSP SUMMARY

PIPE	INLET			OUTLET			LENGTH (FT)	SIZE (INCH)	TYPE	GRADE	REMARKS
	STATION	OFF (FT) RT	INVERT	STATION	OFF (FT) RT	INVERT					
P11-2	73+00.1	25.4	52.20	72+43.0	26.2	MTE	56.50	18	CSP	0.84%	CUT AND CONNECT TO EXISTING PIPE P-1

604.0005.000A INLET, TYPE A

SHEET	STRUCTURE	STATION	OFFSET (FT)	QTY (EA)	REMARKS
F1	S-69	73+00.1	25 RT	1	MATCH GUTTER GRADE TO EXISTING

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

Jim Bergan 12/16/25

Signature Date

STATE OF ALASKA
DAVID A. PRYATT
7/19/2022
AELC13268
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

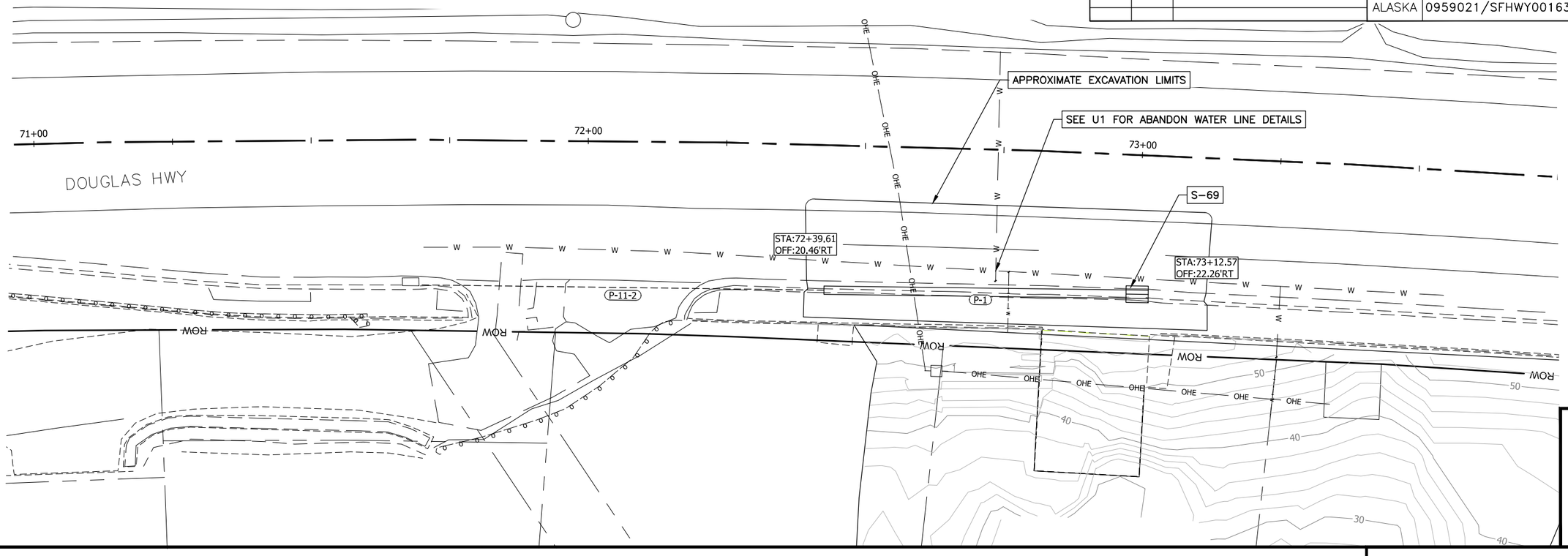
JNU – DOUGLAS HIGHWAY
SLOPE STABILIZATION

SUMMARIES

DRAFTED RG, BL | DESIGNED PW, BL | CHECKED DP | LAYOUT D1 | DATE 7/9/2022 14:17 | FILE Q:\Jnu\SFHWY00163\Parnset\00163_D1_Sums.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0959021/SFHWY00163	2022	F1	19



DESIGNED	DRAFTED	CHECKED
PW	RG	DP

LAYOUT	DATE	FILE
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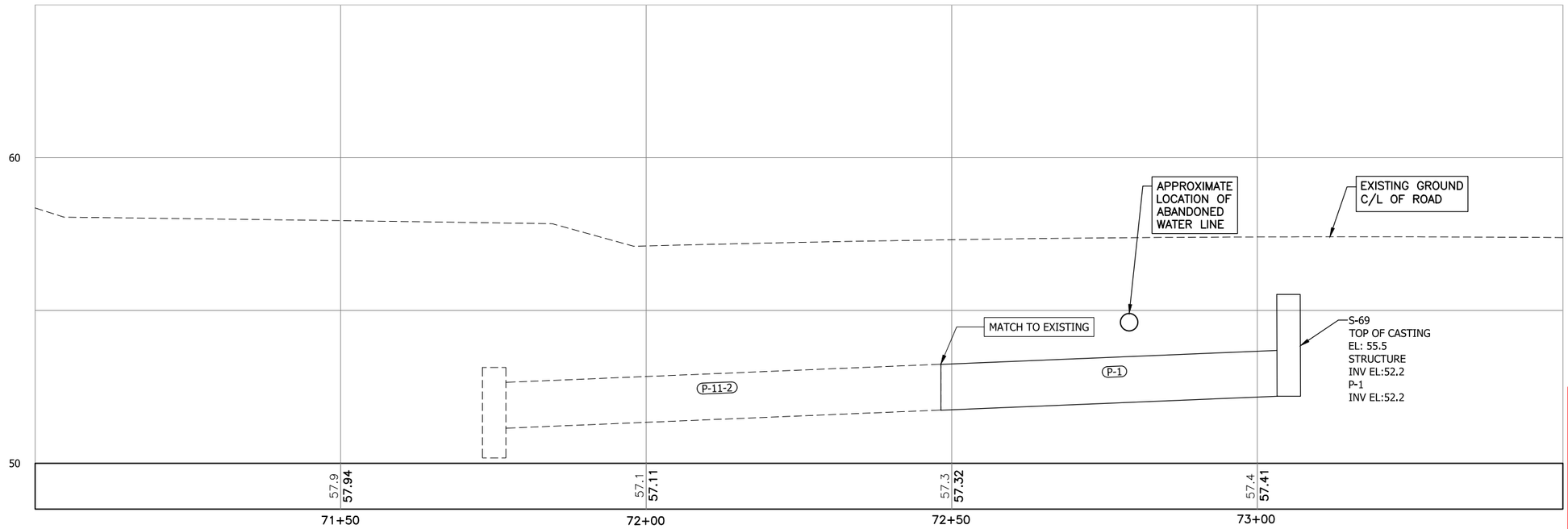
STATE OF ALASKA
DAVID A. PYEATT
David A. Pyeatt
7/19/2022
AELC13268
REGISTERED PROFESSIONAL ENGINEER

0 20' 40'
SCALE IN FEET

PLAN & PROFILE

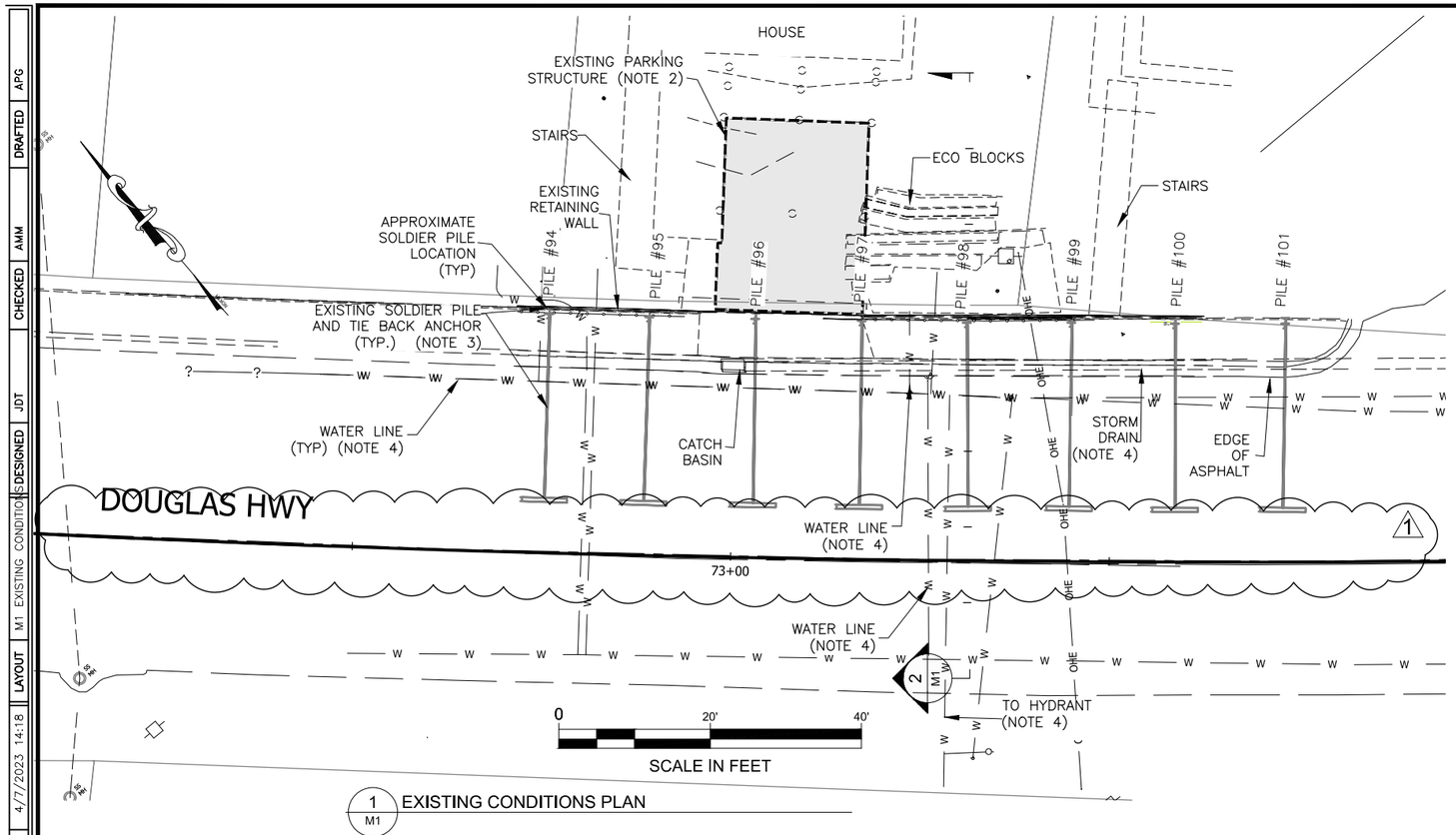


Record Drawings have been reviewed by the Project Engineer and represent the project as constructed.

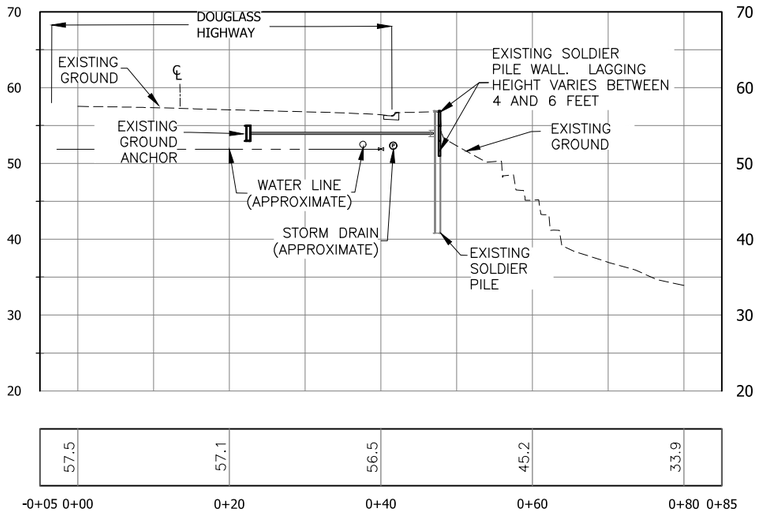
Jim Bergan 12/16/25

Signature Date

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	12/27/22	ADDENDUM 2	ALASKA	SFHWY00163	2020	M1	19



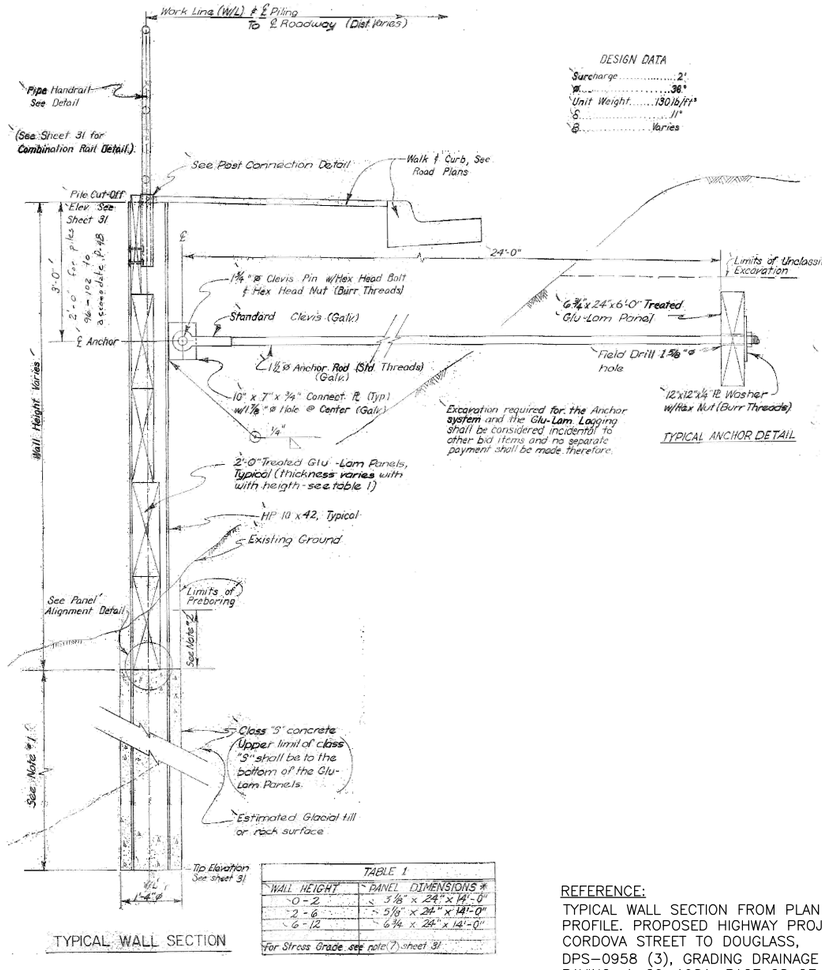
1 / M1 EXISTING CONDITIONS PLAN



2 / M1 EXISTING SECTION

0 20' 40'

SCALE IN FEET



HISTORICAL PLANS - TYPICAL WALL SECTION
NTS

REFERENCE:
TYPICAL WALL SECTION FROM PLAN AND PROFILE. PROPOSED HIGHWAY PROJECT, CORDOVA STREET TO DOUGLASS, DPS-0958 (3), GRADING DRAINAGE & PAVING, 1-29-1981, PAGE 28 OF 64.

NOTES:

1. PILE NUMBER AND LAYOUT ARE BASED ON SURVEY 5-29-2018 AND ASBUILT RECORDS (1981).
2. EXISTING PARKING STRUCTURE TO REMAIN IN PLACE.
3. SOLDIER PILES AND ANCHORS CONTINUE BEYOND WORK AREA AND ARE NOT DETAILED FOR CLARITY.
4. WATER AND STORM DRAIN UTILITIES ARE LOCATED TO BEST AVAILABLE INFORMATION AND FIELD VERIFICATION IS REQUIRED.

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

Jim Bergan 12/16/25

Signature Date

PLANS DEVELOPED BY:
GOLDER ASSOCIATES INC.
2121 ABBOTT ROAD
SUITE 100
ANCHORAGE, AK 99507
PHONE: 907-344-6001

STATE OF ALASKA
JOHN D. THORNLEY
No. CE 12484
2023-04-07
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

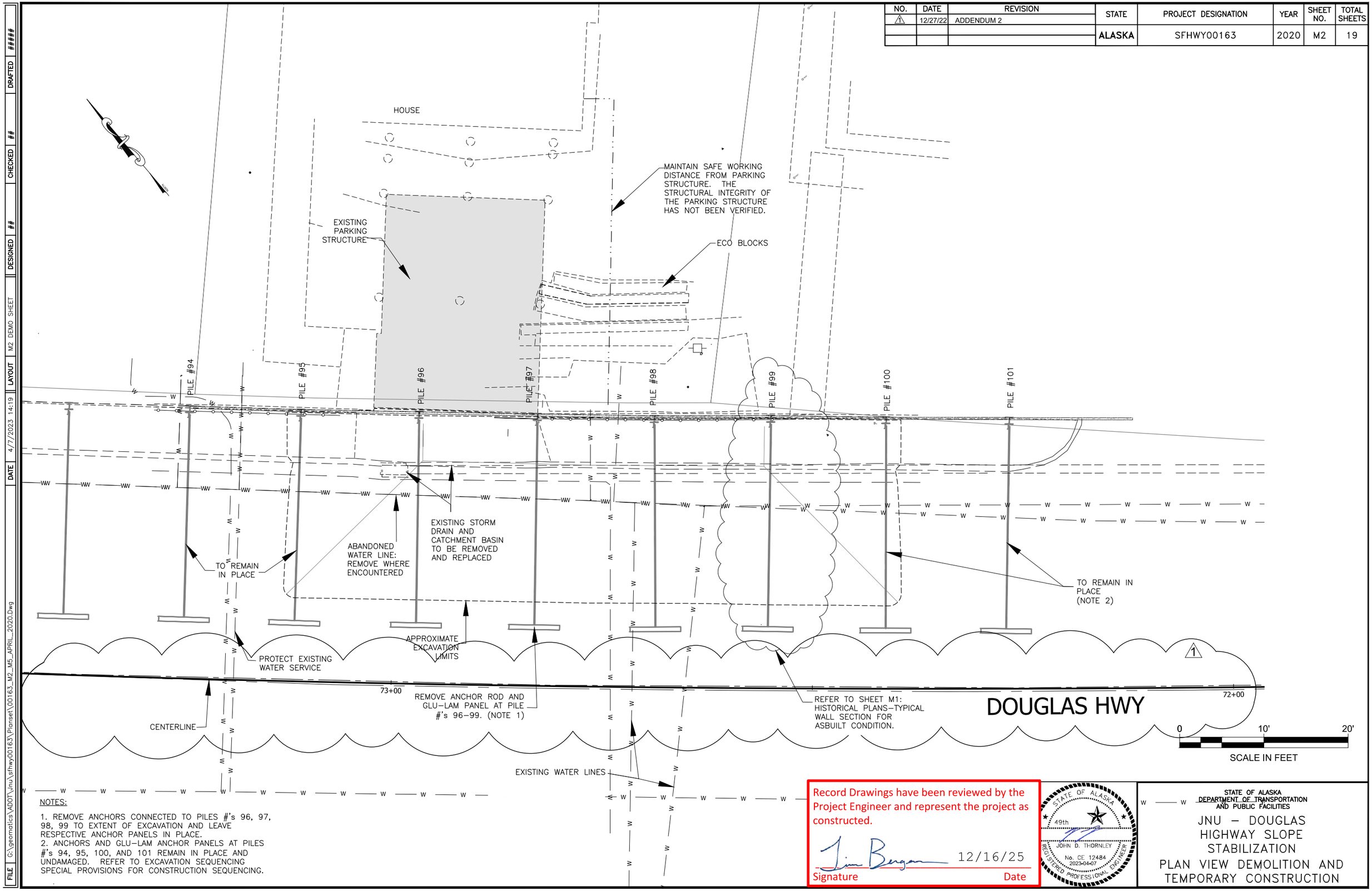
JNU - DOUGLAS HIGHWAY SLOPE STABILIZATION

EXISTING CONDITIONS PLAN AND PROFILES

FILE G:\geomatics\ADOT\Jnu\sfhwy00163\Planset\00163_M1__Existing_Conditions.dwg
DATE 4/7/2023 14:18
LAYOUT M1 EXISTING CONDITIONS
DESIGNED JDT
CHECKED AMM
DRAFTED APG

NO.	DATE	REVISION
1	12/27/22	ADDENDUM 2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00163	2020	M2	19



NOTES:

1. REMOVE ANCHORS CONNECTED TO PILES #'s 96, 97, 98, 99 TO EXTENT OF EXCAVATION AND LEAVE RESPECTIVE ANCHOR PANELS IN PLACE.
2. ANCHORS AND GLU-LAM ANCHOR PANELS AT PILES #'s 94, 95, 100, AND 101 REMAIN IN PLACE AND UNDAMAGED. REFER TO EXCAVATION SEQUENCING SPECIAL PROVISIONS FOR CONSTRUCTION SEQUENCING.

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

Jim Bergan 12/16/25

Signature Date

STATE OF ALASKA
49th
JOHN D. THORNLEY
No. CE 12484
2023-04407
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

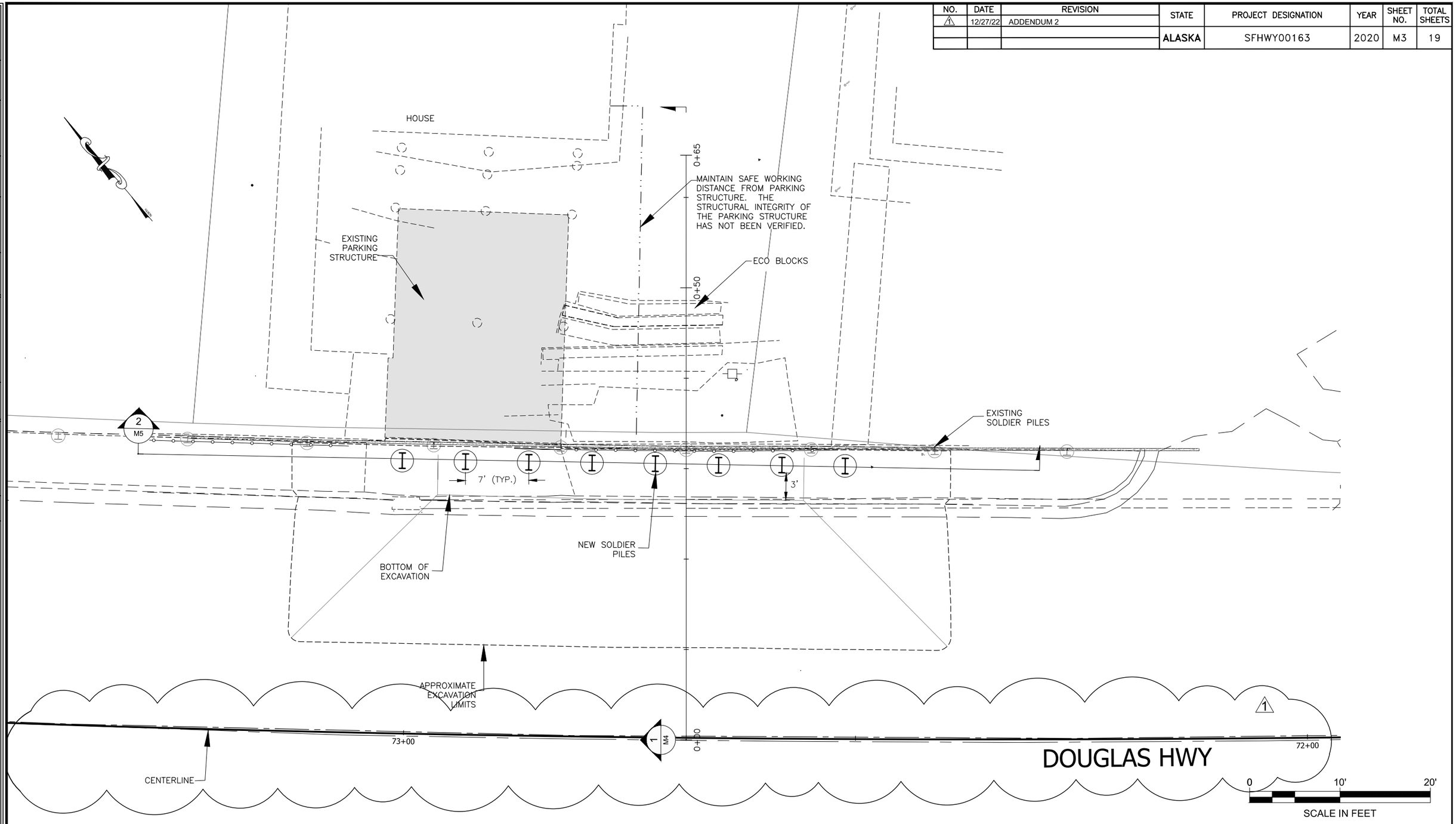
JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

PLAN VIEW DEMOLITION AND TEMPORARY CONSTRUCTION

FILE | G:\geomatics\ADOT\jnu\sfhwy00163\Planset\00163_M2_M5_APRIL_2020.Dwg
DATE | 4/7/2023 14:19
LAYOUT | M2 DEMO SHEET
DESIGNED | ##
CHECKED | ##
DRAFTED | #####

NO.	DATE	REVISION
1	12/27/22	ADDENDUM 2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00163	2020	M3	19



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

Signature

12/16/25
Date

STATE OF ALASKA
JOHN D. THORNLEY
No. CE 12484
2023-04-07
REGISTERED PROFESSIONAL ENGINEER

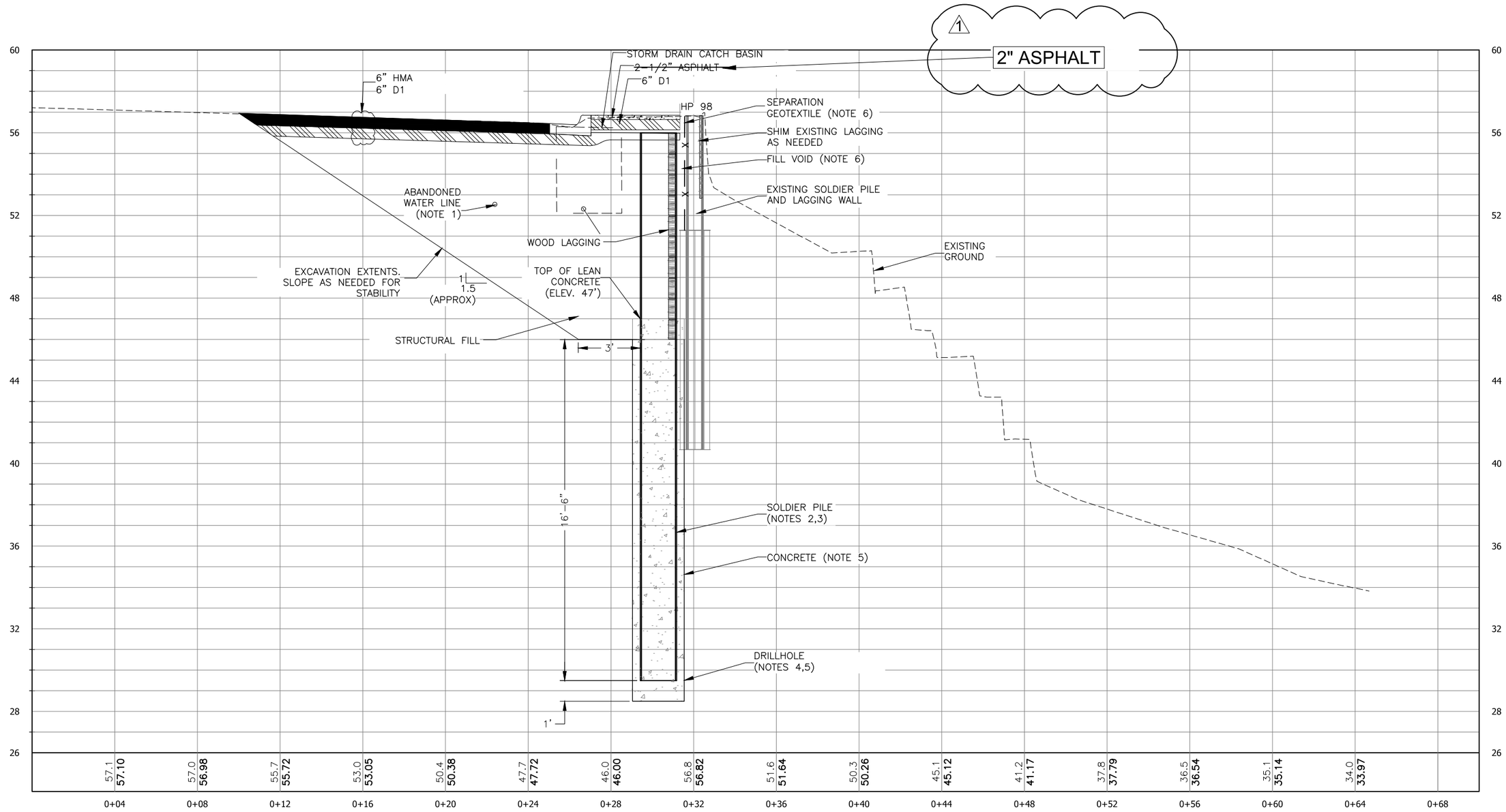
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

NEW SOLDIER PILE WALL

DATE | 4/7/2023 14:22
LAYOUT | M3 PLAN – SP WALL
DESIGNED | ##
CHECKED | ##
DRAFTED | #####
FILE | G:\geomatics\ADOT\jnu\sfhwy00163\Planset\00163_M2_M5_APRIL_2020.Dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	1/06/23	ADDENDUM 4	ALASKA	SFHWY00163	2020	M4	19



NOTES:
1. REMOVE ABANDONED WATER LINE WHERE ENCOUNTERED.
2. STEEL SECTIONS FOR SOLDIER PILES SHALL BE W21X68 AND 26.5 FEET LONG. INSTALLED TOP OF SOLDIER PILE SHALL BE 6 INCHES BELOW BOTTOM OF SIDEWALK CONCRETE.
3. STEEL SECTIONS SHALL BE EMBEDDED AT LEAST 16 FEET BELOW THE BASE OF EXCAVATION TO AN ELEVATION OF 29.5 FEET.
4. DRILLED SHAFTS FOR PILES SHALL BE 30 INCHES IN DIAMETER AND EXTEND AT LEAST ONE FOOT BELOW THE BOTTOM OF THE PILE TO AN ELEVATION OF 28.5 FEET.
5. BACKFILL SOLDIER PILE SHAFT TO ELEVATION ON PLAN PER SPECIFICATIONS.
6. PLACE SEPARATION GEOTEXTILE ALONG LENGTH AND HEIGHT OF BACK OF EXISTING SOLDIER PILE AND LAGGING WALL, THEN BACKFILL VOID BETWEEN TWO WALLS WITH SELECT MATERIAL TYPE E BY PLACING MATERIAL IN 1 TO 2 FOOT LIFTS AND COMPACTING USING METHODS SUCH AS TAMPING.

1/M4 SECTION - MSE WALL

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

Signature 12/16/25 Date

STATE OF ALASKA
JOHN D. THORNLEY
No. CE 12484
2023-04-07
49th
REGISTERED PROFESSIONAL ENGINEER

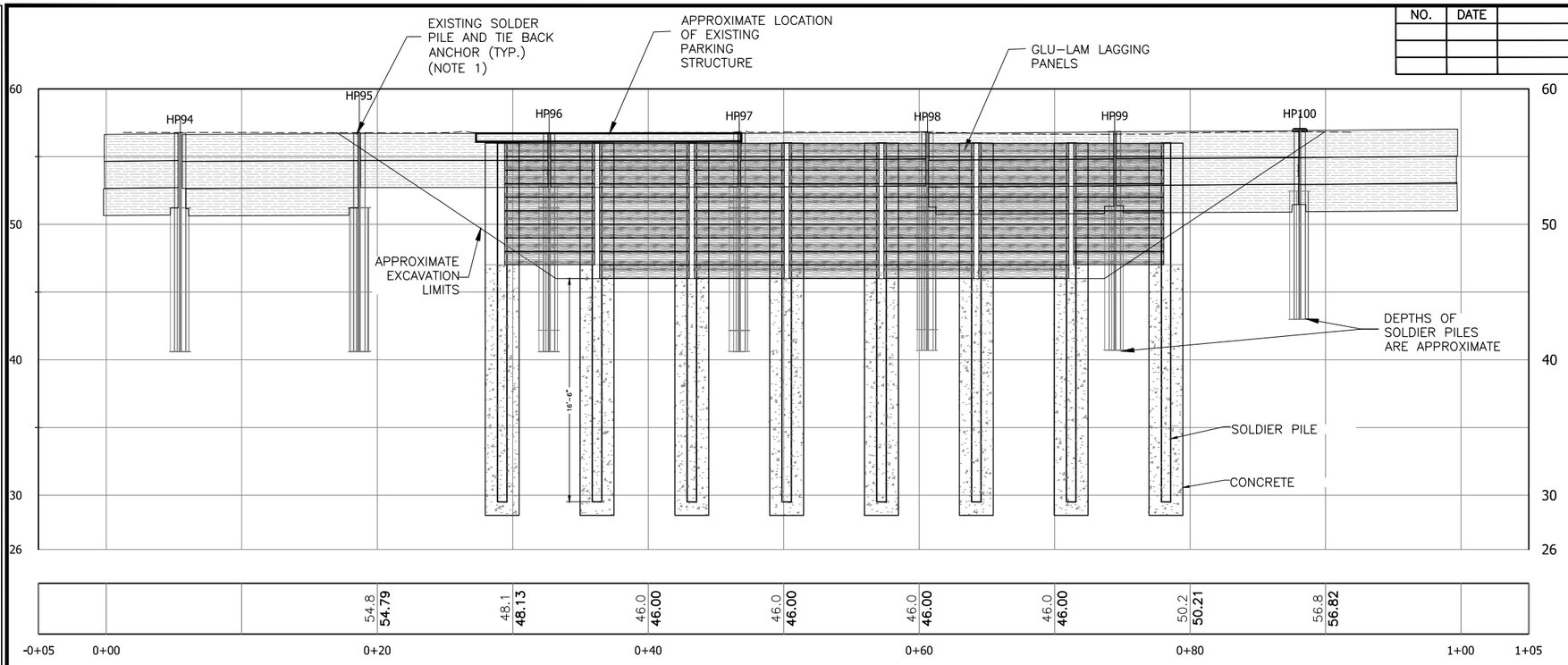
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

M4 SECTION 1

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00163	2020	M5	19



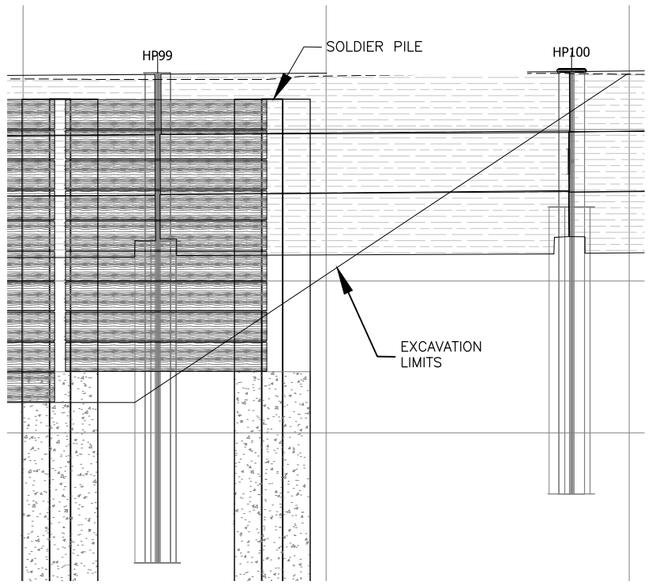
2 / M5 PROFILE - NEW AND EXISTING SOLDIER PILE LAGGING FACE

NOTES:

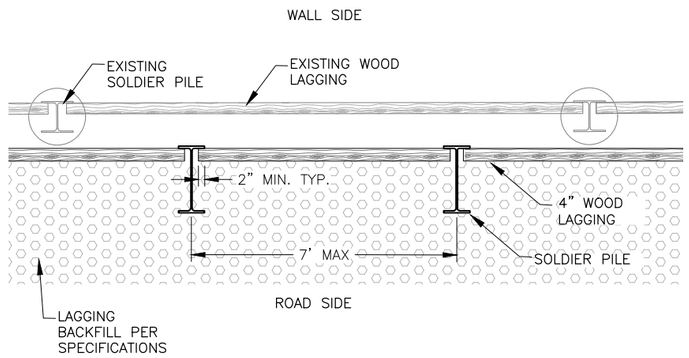
1. PILE NUMBER AND LAYOUT ARE BASED ON SURVEY 5-29-2018 AND ASBUILT RECORDS (1981).

0 10' 20'

SCALE IN FEET



1 / M5 DETAIL – SOLDIER PILE LAGGING LAYOUT AT EXCAVATION SLOPE
SCALE: NOT TO SCALE



3 / M5 LAGGING DETAIL
SCALE: NOT TO SCALE

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

Signature 12/16/25 Date

PLANS DEVELOPED BY:
GOLDER ASSOCIATES INC.
2121 ABBOTT ROAD
SUITE 100
ANCHORAGE, AK 99507
PHONE: 907-344-6001

STATE OF ALASKA
STATE OF ALASKA 49th JOHN D. THORNLEY No. CE 12484 2020-06-16 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

PROFILE AND DETAILS

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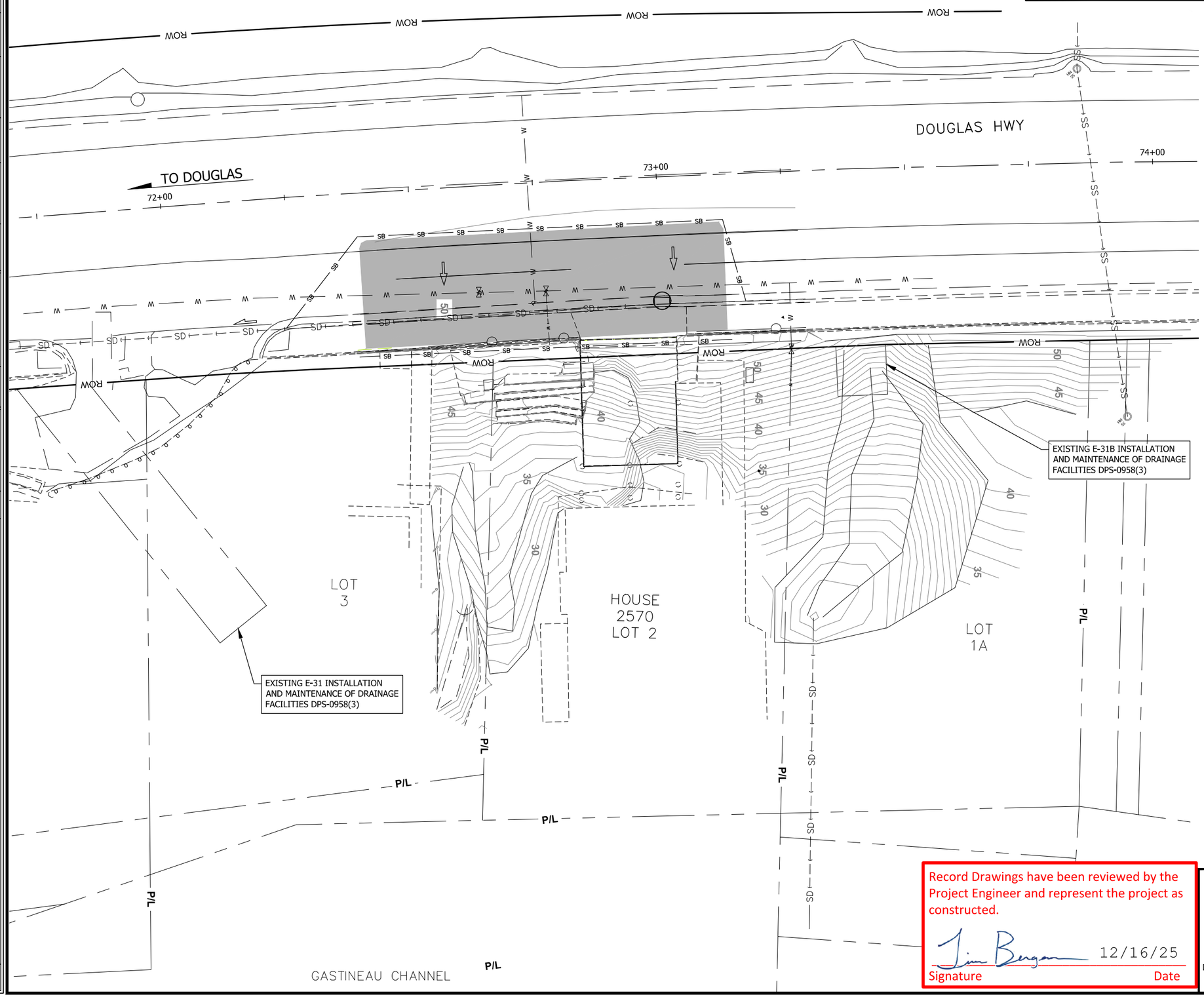
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFHWY00163	2022	Q1	19

DATE 2/16/2022 12:11 | LAYOUT Q1 | DESIGNED PW, BL | CHECKED DP | DRAFTED RG, BL

FILE q:_jnu_sfhwy00163\Planset\00163_01_ESCP.dwg



0 20' 40'

SCALE IN FEET

NOTES:

1. CONTRACTOR WILL ACCOMMODATE EXCAVATION DEWATERING BMP-09.00 PER ALASKA STATEWIDE ENVIRONMENTAL OFFICE STANDARDS.

ESCP LEGEND

- SB — SEDIMENT BARRIER
- EXISTING CULVERT FLOW
- CULVERT FLOW DIRECTION
- SURFACE FLOW DIRECTION
- INLET PROTECTION
- AREA OF DISTURBANCE
- WETLANDS

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

Jim Bergan 12/16/25

Signature Date

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

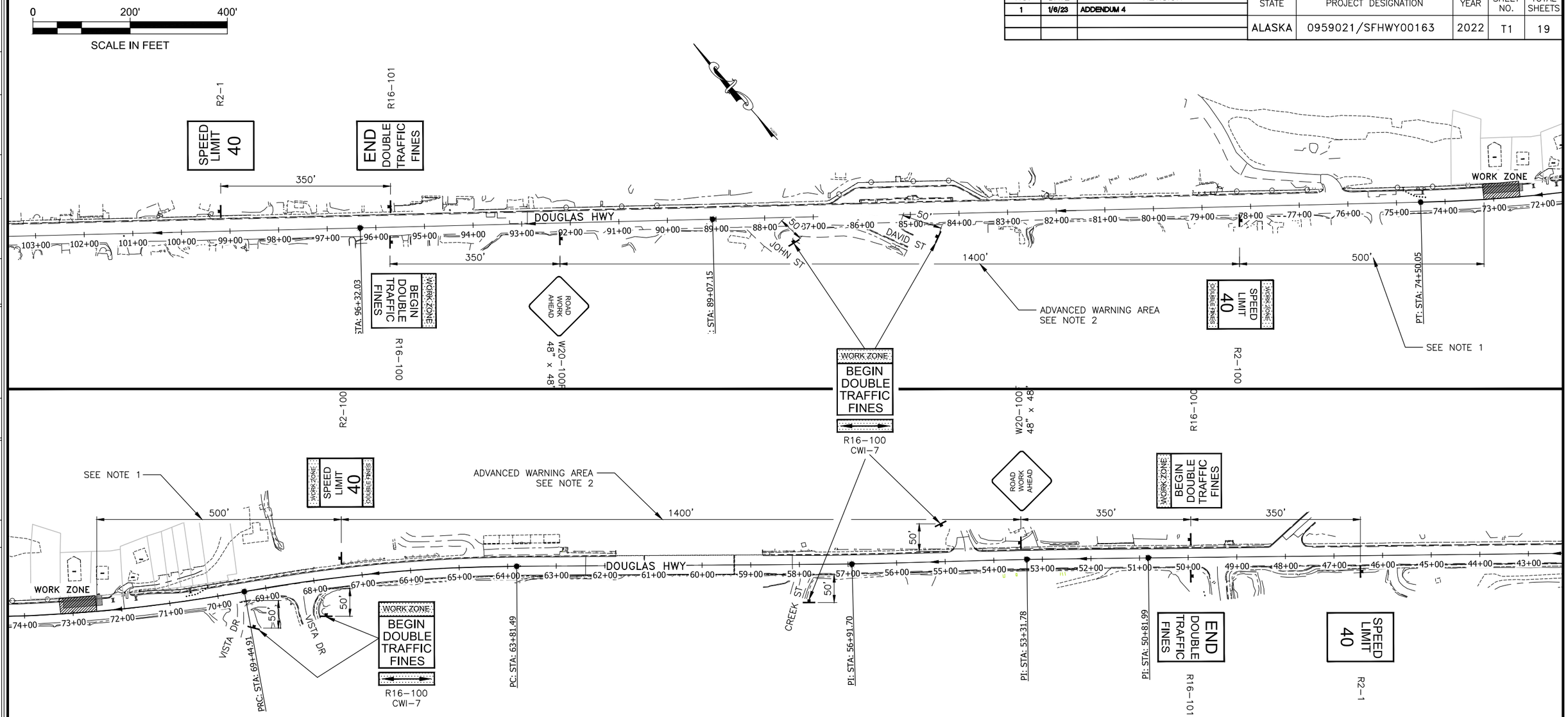
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

EROSION & SEDIMENT CONTROL PLAN

NO.	DATE	REVISION
1	1/6/23	ADDENDUM 4

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0959021/SFHWY00163	2022	T1	19



TRAFFIC CONTROL NOTES:

1. THE 500' ZONE BETWEEN THE WORK ZONE AND R2-100 SIGN IS INTENDED TO BE LONG ENOUGH FOR BUFFER SPACE, BARRIER LENGTH OF NEED, CRASH CUSHIONS, AND TAPERS. BEGIN PLACING SIGNS AT A FURTHER DISTANCE IF AN APPROVED TCP REQUIRES THIS AREA TO BE LONGER
2. PLACE ADVANCED WARNING SIGNS FOR TCPS BETWEEN THE W20-100F AND R2-100 SIGNS AT EQUAL SPACING. IF MORE THAN 3 ADVANCED WARNING SIGNS ARE REQUIRED THEN EXTEND THIS ZONE SO THAT SIGNS ARE PLACED NO CLOSER THAN 350' APART.
3. USE/MODIFY THIS PLAN IN ACCORDANCE WITH ALASKA STANDARD PLAN C-04.12.
4. THE PERMANENT CONSTRUCTION SIGNS FOR PROJECT SFHWY00163 CAN BE OMITTED IF THE WORK ZONE ALREADY FALLS WITHIN THE PERMANENT CONSTRUCITON SIGNS FOR PROJECT SFHWY00315. (1)

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

Jim Bergan 12/16/25

Signature Date

LEGEND

..... POST MOUNTED SIGN

WORK ZONE

PERMANENT CONSTRUCTION SIGNING

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

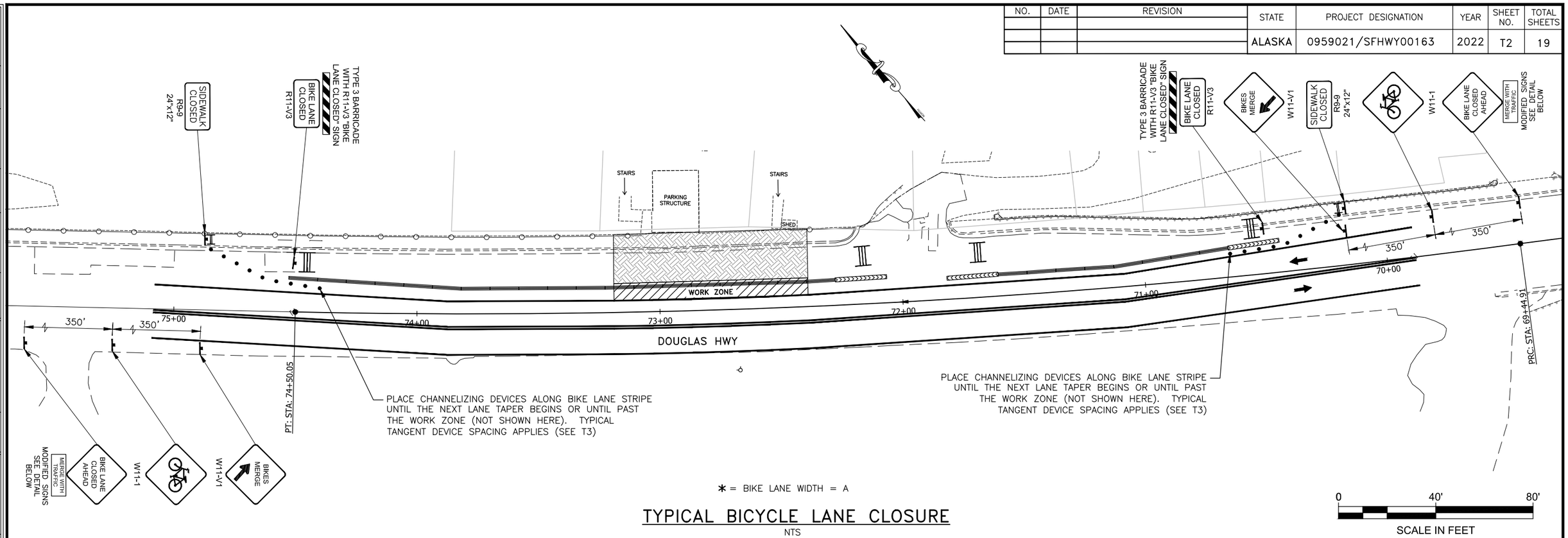
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

PERMANENT CONSTRUCTION SIGNING

FILE | Q:\jnu\SFHWY00163\Planset\00163_T1-T2_Trcf.dwg | LAYOUT | T1 | DESIGNED | PW, BL | CHECKED | DP | DRAFTED | RG, BL | DATE | 4/3/2023 11:41

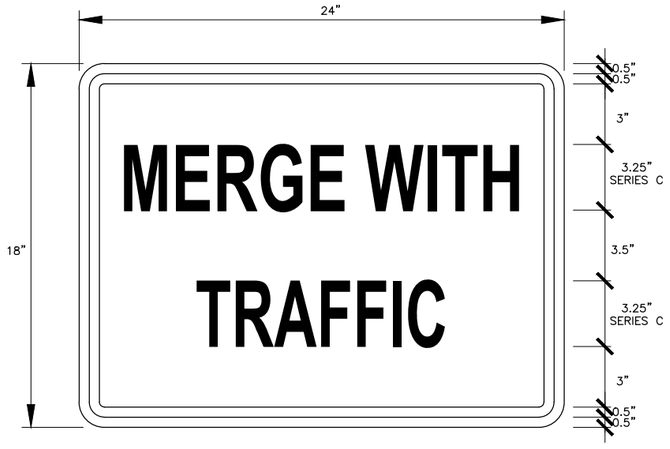
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFHWY00163	2022	T2	19



* = BIKE LANE WIDTH = A

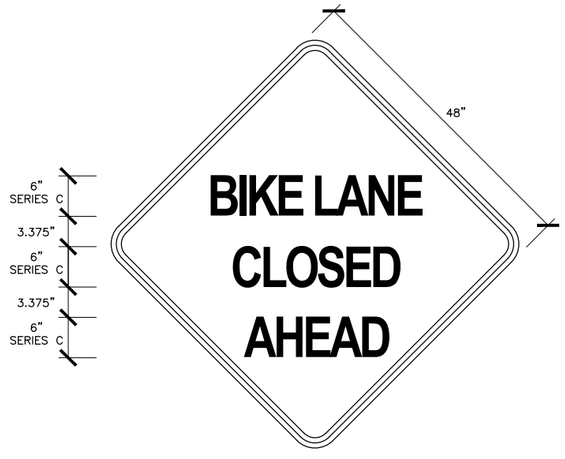
TYPICAL BICYCLE LANE CLOSURE

NTS



FLUORESCENT ORANGE BACKGROUND WITH BLACK BORDER AND COPY.

W-MWT



STANDARD 48" x 48" DIAMOND BLANK FLUORESCENT ORANGE BACKGROUND WITH BLACK BORDER AND COPY.

W9-BLCA

LEGEND

- SIGN
- CHANNELIZING DEVICE
- WORK ZONE
- TYPE III BARRICADE
- TYPE II BARRICADE

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

Jim Bergan 12/16/25

Signature Date

TRAFFIC CONTROL NOTES:

1. THIS TYPICAL APPLICATION IS FOR USE WITHIN THE ADVANCED WARNING AREA CALLED OUT ON SHEET T1 PERMANENT CONSTRUCTION SIGNING. BICYCLE LANE CLOSURE SIGNS SHOULD BE THE FIRST SIGNS IN THE ADVANCED WARNING AREA.
2. PLACE SIGNS IN LOCATIONS THAT DO NOT INTERFERE WITH MOVEMENT OF OTHER VEHICLES OR PEDESTRIANS.

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
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

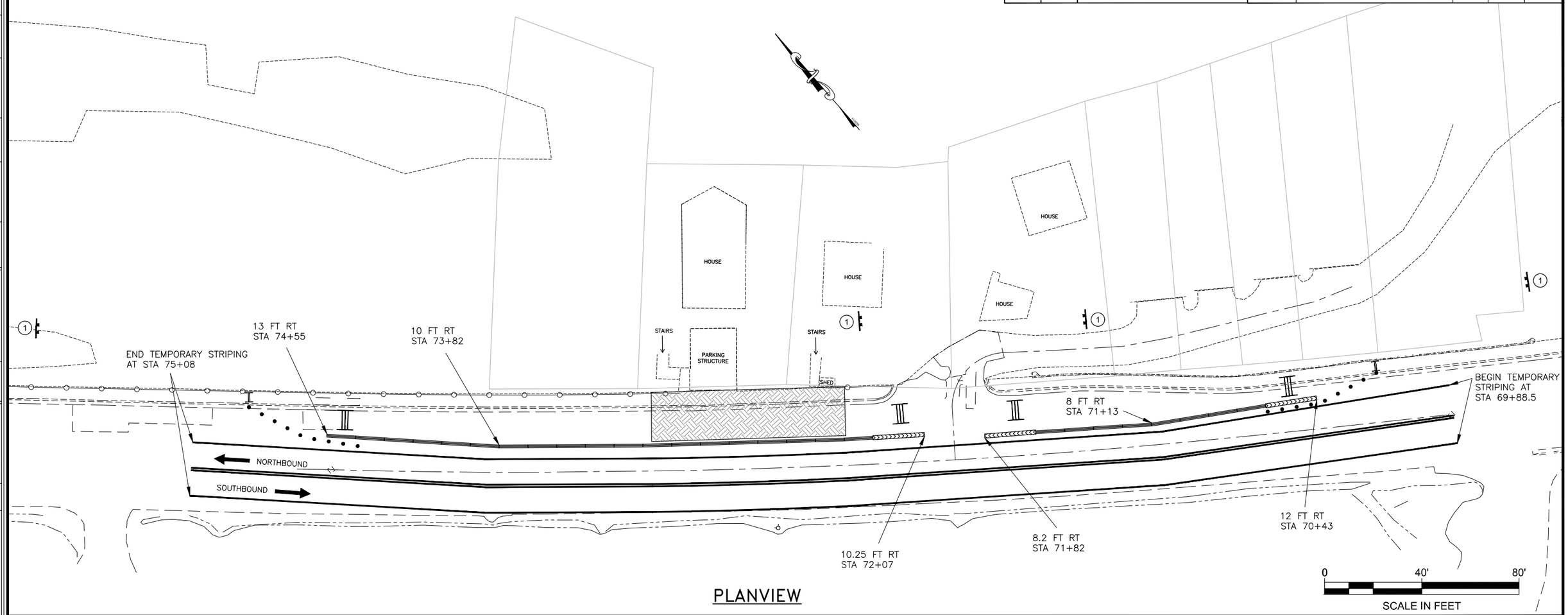
JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

TRAFFIC CONTROL DETAILS

FILE | q:\jnu\sfhwy00163\Planset\00163_T1-T2_Traf.dwg | DATE | 2/16/2022 12:35 | LAYOUT | T2 | DESIGNED | PW, BL | CHECKED | DP | DRAFTED | RG, BL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFHWY00163	2022	T3	19

DRAFTED RG, BL | CHECKED DP | DESIGNED PW, BL | LAYOUT T3 | DATE 2/16/2022 12:35 | FILE q:_jnu\sfhwy00163\Planset\00163_T1-T2_Traf.dwg



PLANVIEW

TRAFFIC CONTROL NOTES:

1. PROVIDE TEMPORARY SHUTTLE TRANSPORTATION FOR PEDESTRIANS THROUGH THE PROJECT WHEN SIDEWALK IS CLOSED. SEE SPECIAL PROVISION 643–2.03.
2. MOUNT PERMANENT DOUBLE TRAFFIC FINE SIGNS IN ACCORDANCE WITH STANDARD PLAN C–04.12.
3. MAINTAIN 1 FT MINIMUM BETWEEN PORTABLE CONCRETE BARRIERS AND WORK AREA.
4. CONCRETE BARRIER TO BE PLACED 2 FT MIN. FROM EDGE OF LANE.
5. MAINTAIN A MINIMUM TEMPORARY LANE WIDTH OF 11 FT.
6. MATCH ENDS OF TEMPORARY LANE LINES TO EXISTING LANE LINES.

LEGEND

- EXISTING ROADWAY CL
- TEMPORARY LANE CENTERLINE
- TEMPORARY LANE LINES
- PROPERTY LINES
- TYPE III BARRICADE
- F SHAPE CONCRETE BARRIER
- CRASH CUSHION REDIRECTIVE
- EXCAVATION AREA
- EXISTING BUILDINGS
- BOTTOM OF CURB
- TOP OF CURB
- HAND RAIL
- EXISTING GUARDRAIL
- DITCH BREAKLINE TOE
- FIRE HYDRANT
- CONSTRUCTION SIGN

TCP SETUP TABLE

SPEED (MPH)	MAX DEVICE SPACING IN FEET: ALONG TAPER	MAX DEVICE SPACING IN FEET: ALONG TANGENT	BUFFER SPACE (FT)
40	40		

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

Jim Bergan 12/16/25

Signature Date

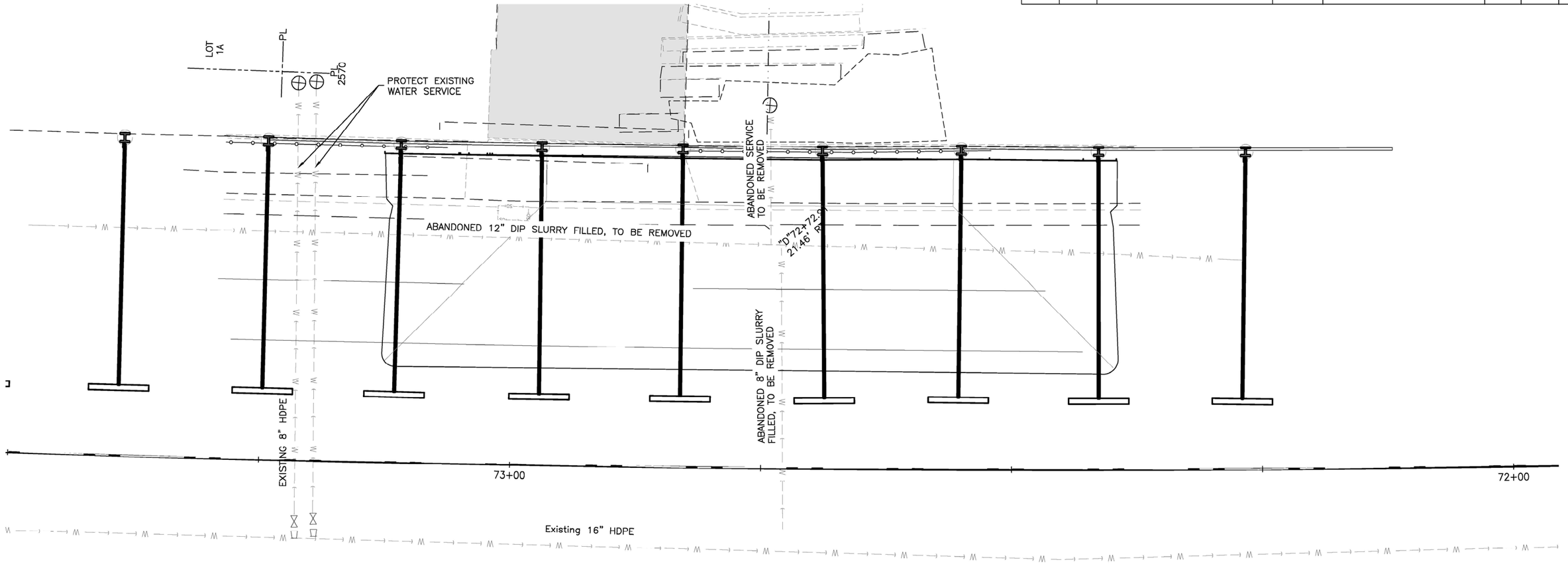
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465–1763

JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

TRAFFIC CONTROL DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFHWY00163	2022	U1	19



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

Jim Bergan 12/16/25

Signature Date

STATE OF ALASKA
DAVID A. PRATT
5/26/2022
AELC13268
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION

WATERLINE DETAILS

FILE c:\jnu\sfhwy00163\Parnsel\00163-U1_Waterline.dwg
DATE 2/6/2022 12:42
LAYOUT U1
DESIGNED PW, BL
CHECKED DP
DRAFTED RG, BL