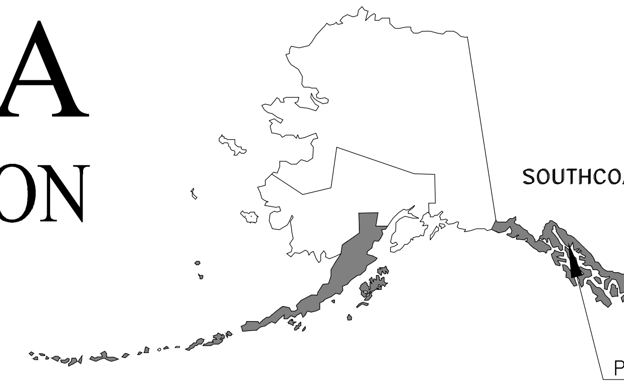
STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	A1	A9
			PLAN SET TOTAL	79

CDS ROUTE: 296110	MILEPOINT: 0.81 TO 2.26
LATITUDE: 58°16'32.26" N	LONGITUDE: 134°23'34.84" W



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

PROPOSED HIGHWAY PROJECT

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

GRADING, DRAINAGE, PAVING, SIDEWALKS & CURB RAMPS

PRELIMINARY NOT FOR CONSTRUCTION

DESIGN DESIGNATIONS

I STREET TO CORDOVA STREET
MP 0.55 TO 2.12

FUNCTIONAL CLASS	MINOR ARTERIAL
ADT (2017)	8440
ADT (2020)	8520
ADT (2027)	8650
ADT (20[illegible])	8830
DHV LAST YEAR W/ TRAFFIC DATA (2017)	930
DHV DESIGN YEAR (20[illegible])	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

ST. ANN'S AVENUE TO I STREET
MP 0.00 TO 0.55

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

VICINITY MAP

PROJECT SUMMARY

DOUGLAS HIGHWAY MP 0.78 TO MP 2.32	
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.

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

APPROVED:

KIRK MILLER, P.E.
REGIONAL PRECONSTRUCTION ENGINEER DATE
CONCUR:

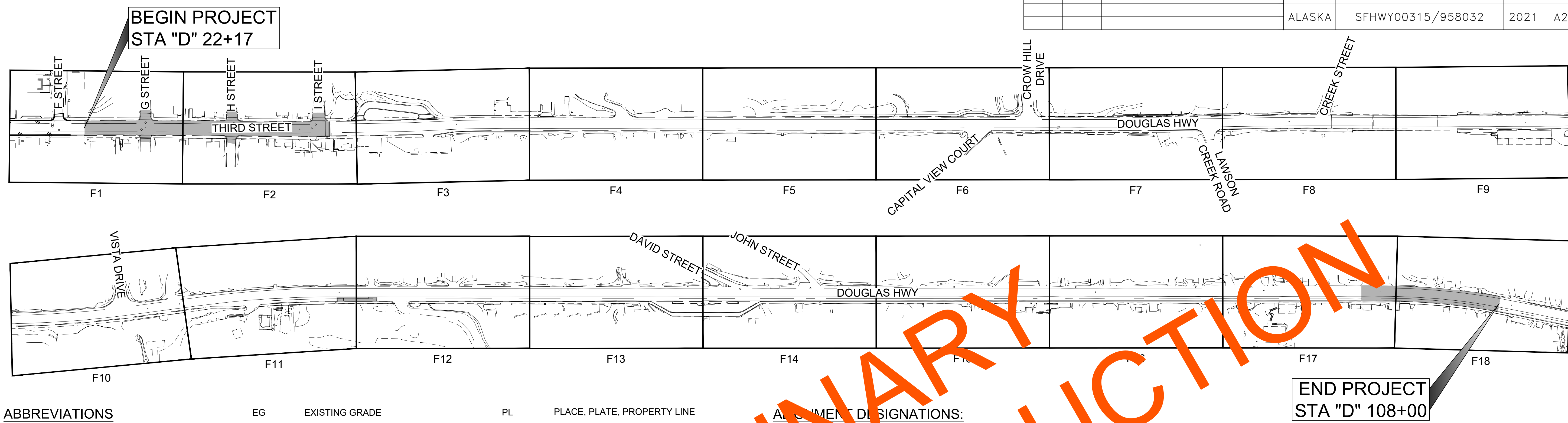
D. LANCE MEARIG, P.E.
DIRECTOR, SOUTHCOAST REGION DATE

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 8/5/2021 18:17 | LAYOUT A1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED KEMP

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	A2	A9



PRELIMINARY NOT FOR CONSTRUCTION

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
B.O.P.	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
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
E.O.P.	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 FEET
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, 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	MANHOLE FRAME AND COVER
D-22.01	STORMDRAIN MANHOLE FRAME AND GRATE DETAILS
D-2[illegible].01	CURB INLET BOX, FRAME & GRATE
D-[illegible]	INLET FRAME AND GRATES
D-2[illegible].04	TYPE "A" INLET BOXES
[illegible]-09.[illegible]0	SLOPE ROUNDING AND WARPING
G-00.0[illegible]	STANDARD GUARDRAIL HARDWARE
G-05.11S	STEEL POST W31 GUARDRAIL
G-10.20	GUARDRAIL POST INSTALLATION
G-14.01	W31 DOWNSTREAM END ANCHOR
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	ESTIMATE OF QUANTITIES
D1-D7	SUMMARY TABLES
E1-E5	DETAILS
F1-F18	PLAN AND PROFILE
G1-G8	GRADING & APPROACH PLAN AND PROFILES
H1-H11	SIGNING AND STRIPING
M1	RETAINING WALL PLAN AND PROFILE
M2	RETAINING WALL AND HANDRAIL DETAILS
N1-N3	LAWSON CREEK BRIDGE
Q1	DRAINAGE PLAN AND PROFILE
P1-P8	EROSION SEDIMENT AND CONTROL PLAN
T1-T3	TRAFFIC CONTROL PLAN

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Aug 05, 2021
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 | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-CV-A-70897.dwg

ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 8/5/2021 18:17 | LAYOUT A2

PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

CERTIFICATE OF AUTH #: AECL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	A3	A9

	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. R. 1 E. R. 1 E.
MEANDER LINE	M1 M2 M3

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION)	SS	
FUEL LINE	F	
GAS LINE	G	
WATER LINE	W	
METER, VALVE, FIRE HYDRANT		
EXISTING STORM DRAIN	SD	
PROPOSED STORM DRAIN (F SHEET # & PIPE # ON SHEET)		S-10 SD S-11 P1-11 P1-10 MH
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		
DITCH CENTERLINE		
TREE LINE		
[illegible] 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		
WETLANDS		
EXISTING BUILDINGS		
POST OR BOLLARD		
WELL OR MONITORING WELL		
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	42	
SIGNAL FACE, BACKPLATE	42	
SIGNAL FACE, LEFT TURN, BACKPLATE	43	
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		

PRELIMINARY
NOT FOR CONSTRUCTION

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Aug 06, 2021
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

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-CV-A-70897.dwg | DATE 8/6/2021 10:27 | LAYOUT A3 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

DESIGNED	J.PAPOI
CHECKED	PEDERSON
DRAFTED	J.PAPOI

XREFS

SCALE

LAYOUT A4

DATE TIME 5/5/2021 11:55

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	2021	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	[illegible]	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	[illegible]	[illegible]
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	200.00	139.63	[illegible]
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

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	[illegible]	GPS_MAG/WASH_SET	30+38.32	29.77R
106	206212.08	[illegible]	[illegible]	GPS_MAG/WASH_SET	33+87.06	22.52R
111	207498.20	[illegible]	[illegible]	GPS_ALCAP2.5"_SET	52+68.30	18.44L
112	[illegible]	189380.10	73.01	GPS_MAG/WASH_SET	62+93.01	24.69R
114	[illegible]	[illegible]	57.57	GPS_ALCAP2.5"_SET	73+89.15	18.54L
116	[illegible]	187542.13	69.93	GPS_ALCAP2.5"_SET	87+21.33	18.99L
117	[illegible]	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 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

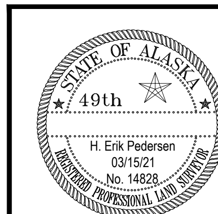
LOW DISTORTION PROJECTION DEFINITION

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 3.5[illegible] FT. TO NAVD88 ELEVATIONS FOR CURRENT TIDAL EPOCH.

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

PRELIMINARY NOT FOR CONSTRUCTION



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

DESIGNED JPAPOI
CHECKED PEDERSON
DRAFTED JPAPOI

XREFS

SCALE

LAYOUT A5

DATE 5/5/2021 TIME 11:55

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.

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
1032	208746.20	188786.82	PLASCAP_FND_3650S	70+68.31	33.56R
1033	208742.33	188792.34	SPINHOLE_571[illegible]	70+61.50	33.77R
1034	208760.88	188767.71	PLA[illegible]CAP_F[illegible]D	70+92.66	33.73R
1042	205328.02	192297.22	REB[illegible]_FND	21+68.78	[illegible]0L
1047	205615.86	192092.16	A[illegible]CAP2[illegible]FND	25[illegible]16.9[illegible]	29.57R
1059	210629.54	1866[illegible]	[illegible]LCAP2"_FND_3650S	98+8[illegible]48	26.28[illegible]
1063	210760.[illegible]	18[illegible]645.[illegible]7	PLASCAP_FND_36[illegible]S	100+12[illegible]7	36.55R
1064	[illegible]1123.1[illegible]	1862[illegible]5.13	REBA[illegible]_FND	10[illegible]+40.14	34.93R
106[illegible]	2[illegible]24[illegible]	1[illegible]6155.52	PLASCA[illegible]LS3650	107+07.96	33.73R
1106	208[illegible]4.45	188745.91	PLASCAP_FN[illegible]3650S	71+88.39	117.43R
110[illegible]	208974.62	188[illegible]55.68	PLASC[illegible]P_FND_1410S	73+20.50	128.12R
1132	208535.[illegible]	[illegible]890[illegible]40	[illegible]LASCAP_FND_7712S_WTACK	68+48.50	68.67L
1153	2056[illegible]5.68	192[illegible]20.[illegible]	ALCAP2"_FND_12041-S_RESET 2019	26+16.91	28.32R
1[illegible]6	20686[illegible]27	19[illegible]306.73	ALCAP2"_L9/L10/RW_3650-S	43+11.52	36.18R
1[illegible]9	207[illegible]5.27	190657.11	ALCAP2"_L12/L13/RW_3650-S	45+21.27	36.65R

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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	[illegible]2.00R
1612	206548.02	191115.29	APPROX_SH_MON	38+67.00	2[illegible]00R
1613	206213.77	191455.59	APPROX_SH_MON	33+90.0[illegible]	22.0[illegible]R
1614	205981.67	191715.80	APPROX_SH_MON	30+41.0[illegible]	28.00R
1615	205719.45	191987.75	APPRO[illegible]SH[illegible]	26+64.00	29.00R
1616	205277.81	192351.31	APPROX_[illegible]_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.

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⊕ SHOULDER MONUMENT TO BE SET AFTER CONSTRUCTION

STATE OF ALASKA 49th
H. Erik Pedersen
03/15/21
No. 14828
REGISTERED PROFESSIONAL LAND SURVEYOR

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JNU- DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II
SURVEY CONTROL

PRELIMINARY NOT FOR CONSTRUCTION

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	[illegible].36L
1049	207301.27	190263.89	PLASCAP_FND_CBJ	5[illegible]02.36	33.84L
1050	207567.66	189993.39	PLASCAP_FND_CBJ	53+[illegible].54	31.64L
1051	208572.90	189057.66	PLASCAP_FND_5713[illegible]	67+48.81	53.69[illegible]
1056	209840.63	187523.00	PLASCAP_FND_3650S	87+43.05	23.92[illegible]
1057	209721.42	187626.43	PLASCAP_FND_3650S	[illegible]+85.93	38.86L
1060	210837.16	186476.97	ALCAP2"_FND_JW.BEAN	10[illegible]87.78	[illegible]3.74L
1061	210835.90	186476.50	IP3/4"_FND	[illegible]01+[illegible].26	24.98L
1076	208238.31	189652.65	PLASCAP_FND_WHITE /NO-M[illegible]RKING[illegible]	60+95.65	212.72R
1081	207918.58	189737.12	PLASCAP[illegible]ND_3650S	58+10.86	44.62R
1082	210451.43	187116.74	BC2.5"_GLO_xx1[illegible]73-C1_S2564	94+58.46	138.25R
1089	210246.65	187184.39	PLASC[illegible]P_FND[illegible]650S	92+68.27	36.58R
1090	210293.45	187224.29	PLASC[illegible]P_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	PLASC[illegible]AP_FND_3136S	88+45.40	198[illegible]
1115	209775.13	187342.45	[illegible]ASCA[illegible]_FND_DISTURBED	88+28.57	1[illegible]5.91L
1116	209756.75	187364.1[illegible]	[illegible]LASCAP[illegible]ND_UNREADABLE	[illegible]+00.15	19[illegible]21L
1117	209742.68	[illegible]87381.82	PLASCAP_FND_10611S	87+[illegible]7.68	[illegible]2.23L
1118	20972[illegible].51	[illegible]740[illegible]54	PLASCAP_FND	87+48[illegible]0	189.71L
1119	[illegible]9816.[illegible]	1[illegible]7450.17	PLA[illegible]CAP_FN[illegible]	87+79.32	91.44L
113[illegible]	2[illegible]8469.[illegible]	188887.33	PLA[illegible]FN[illegible]7712S_[illegible]TACK	68+21.78	132.08L
1[illegible]34	208[illegible]43.35	188906.31	PL[illegible]CAP_FN[illegible]712S	67+24.25	220.22L
113[illegible]	208306.39	188924.35	REBAR_FND	66+84.16	237.63L
1136	208198.1[illegible]	189023.88	SPINHOLE_FND_REBAR	65+26.09	254.80L
1145	21147[illegible]77	186146.[illegible]	SPINHOLE_FND_PLASTIC CAP_7570S	109+02.77	161.83R
[illegible]8	207[illegible]5[illegible]	190[illegible]76.72	ALCAP3.25"_L13\L14\BLK_B\RW_1410S	45+91.32	136.32R
1149	20[illegible]793.10	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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JNU- DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II
SURVEY CONTROL

DESIGNED JPAPO
CHECKED PEDERSON
DRAFTED JPAPO
XREFS
SCALE
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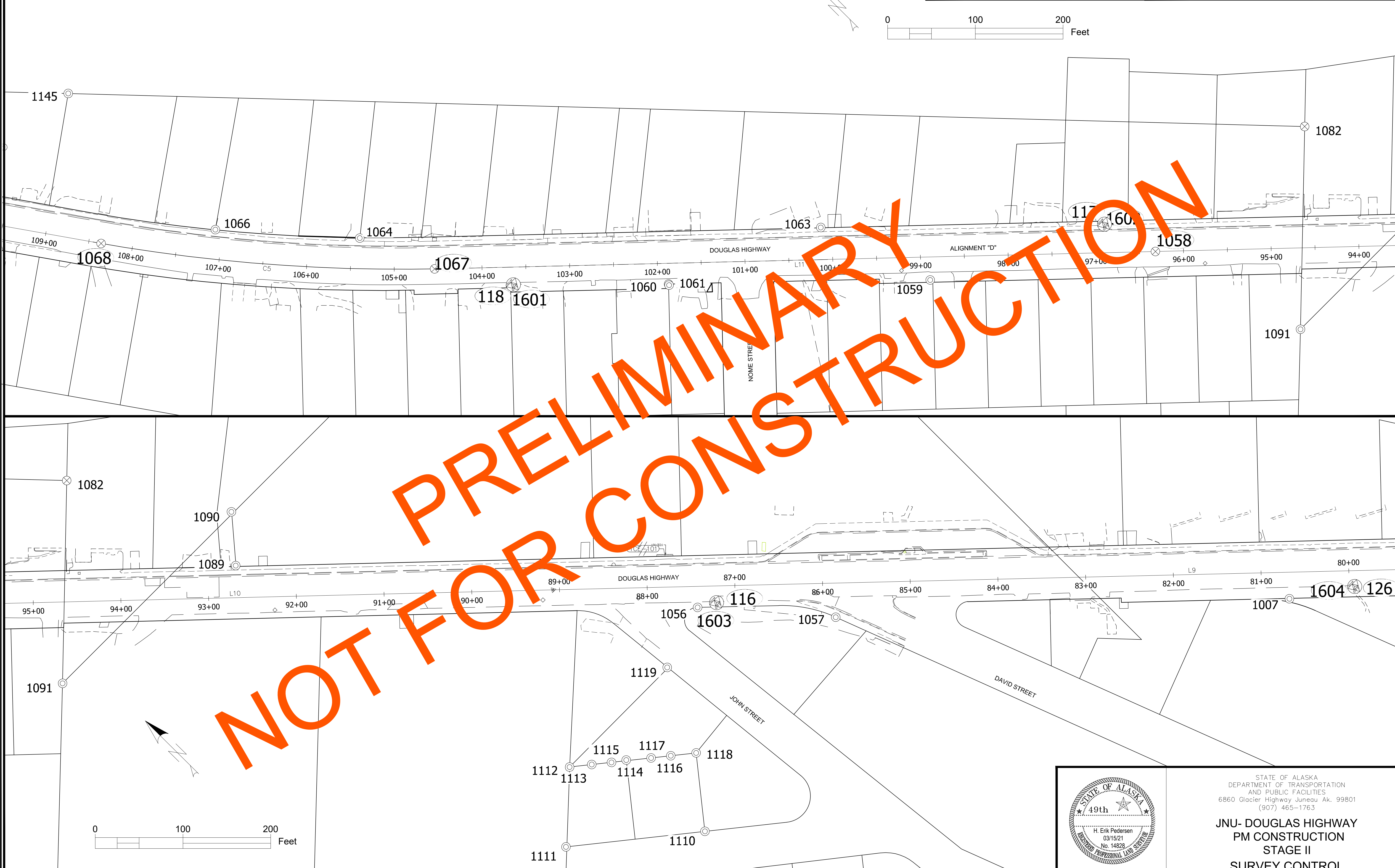
			ALASKA	SFHWY00315/958032	2021	A7	A9



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SURVEY CONTROL

DESIGNED J.PAPOI
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DRAFTED J.PAPOI
XREFS
SCALE
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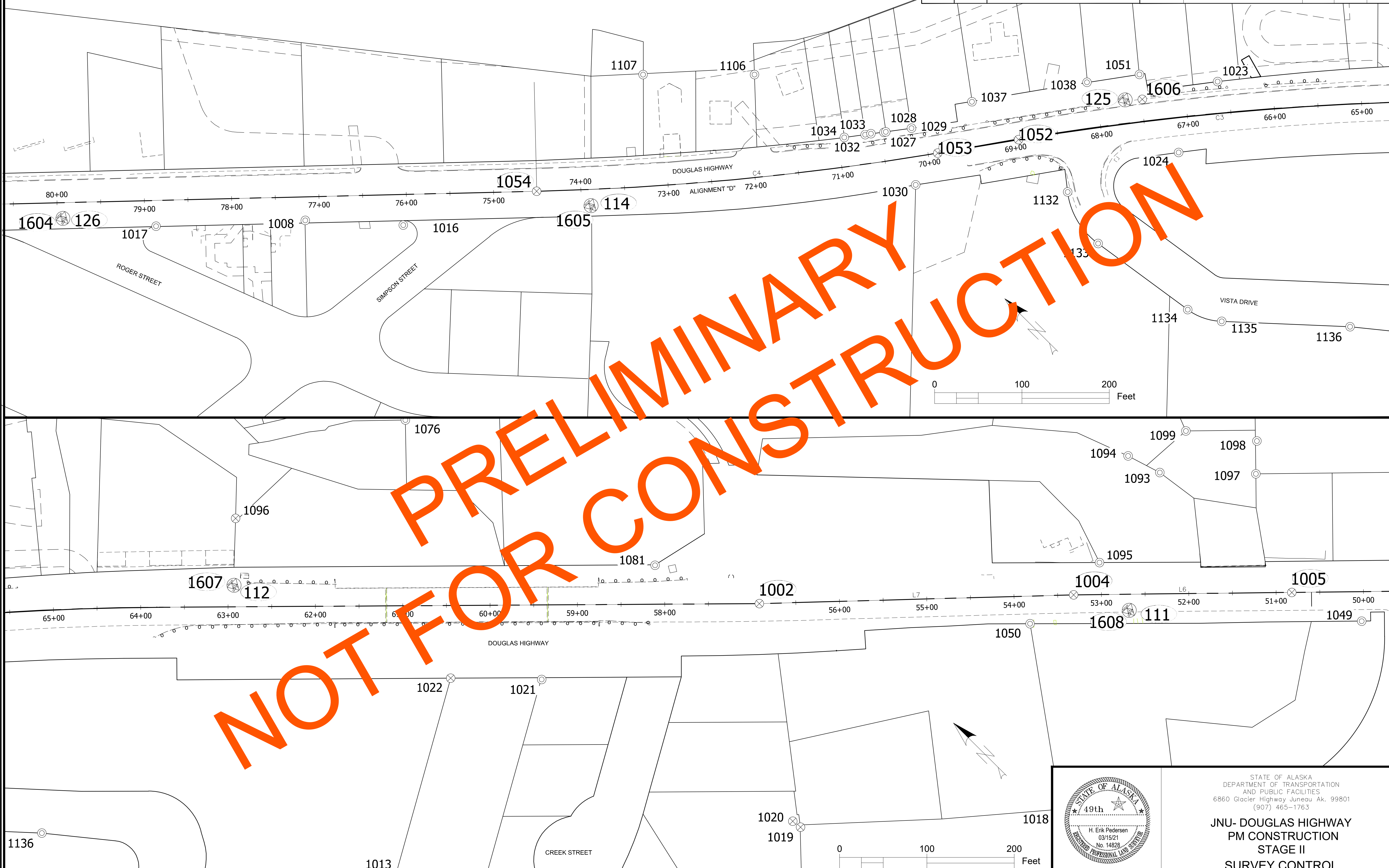
			ALASKA	SFHWY00315/958032	2021	A8	A9



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PM CONSTRUCTION
STAGE II
SURVEY CONTROL

STATE OF ALASKA 49th H. Erik Pedersen 03/15/21 No. 14828 REGISTERED PROFESSIONAL LAND SURVEYOR

DESIGNED JPAPOI CHECKED PEDERSON DRAFTED JPAPOI
XREFS
SCALE
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	A9	A9

DESIGNED J.PAPOI
CHECKED PEDERSON
DRAFTED J.PAPOI
XREFS
SCALE
LAYOUT A9
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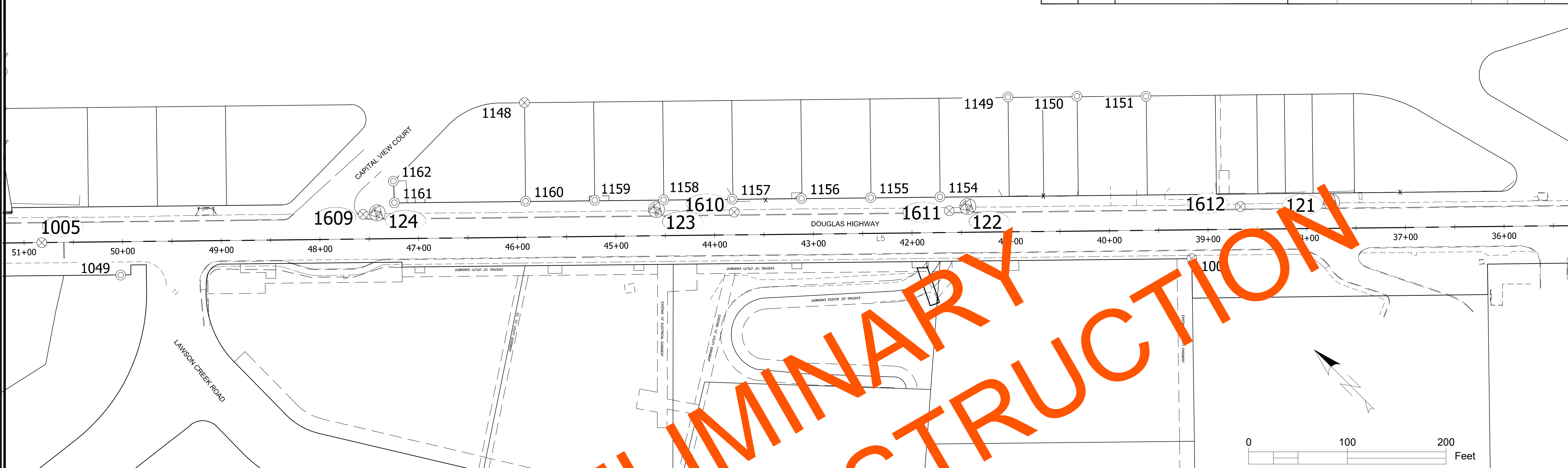

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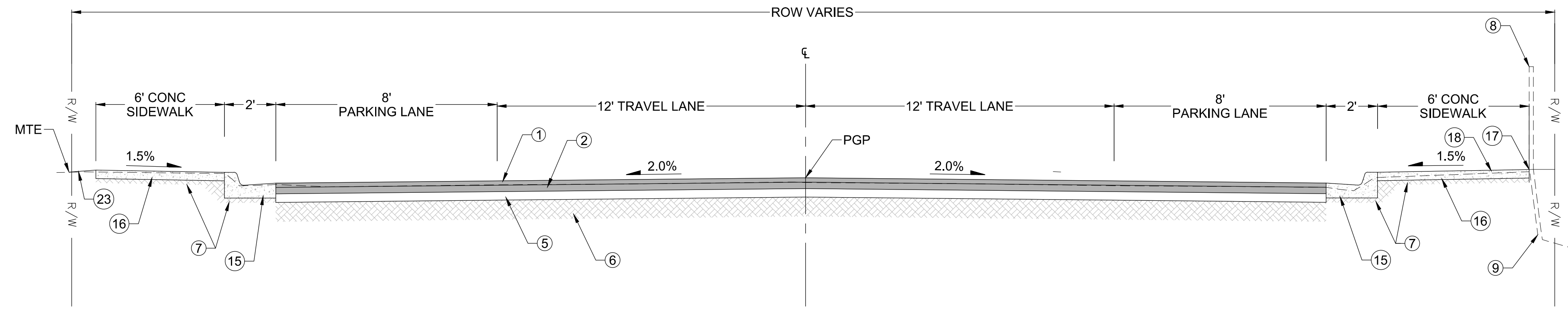
SURVEY CONTROL

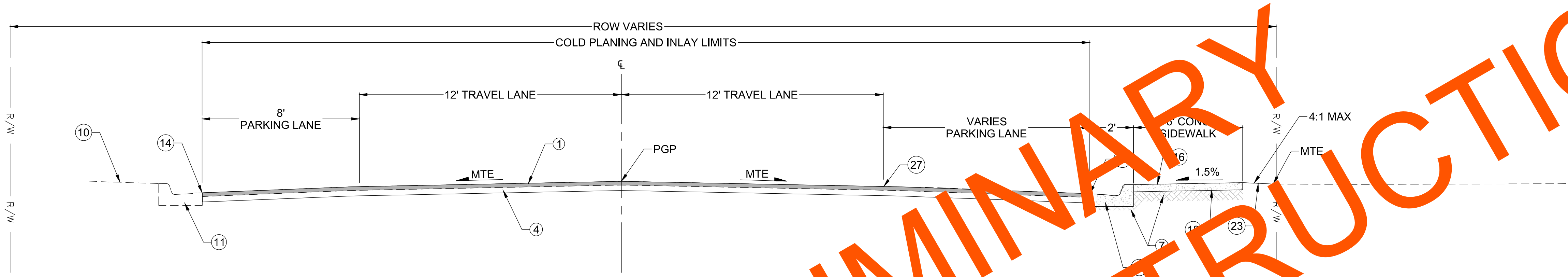
FIRM	DOWL	ADDRESS	9085 GLACIER HIGHWAY, JUNEAU, AK 99801	PHONE	(907) 780-3533	CERTIFICATE OF AUTH #:	AECL848
FILE	\\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-TS-B-70897.dwg	DATE	7/26/2021 17:40	LAYOUT	B1	DESIGNED	STEPHENS
CHECKED	NOBLE	DRAFTED	LAFAVOUR				

NO.	DATE	REVISION

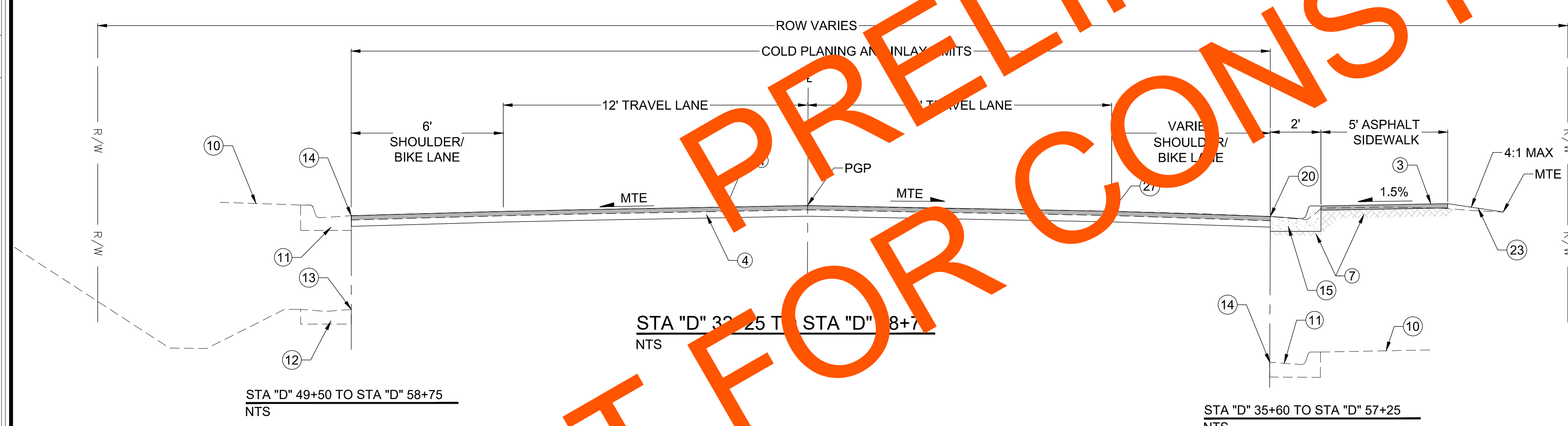
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	B1	B3



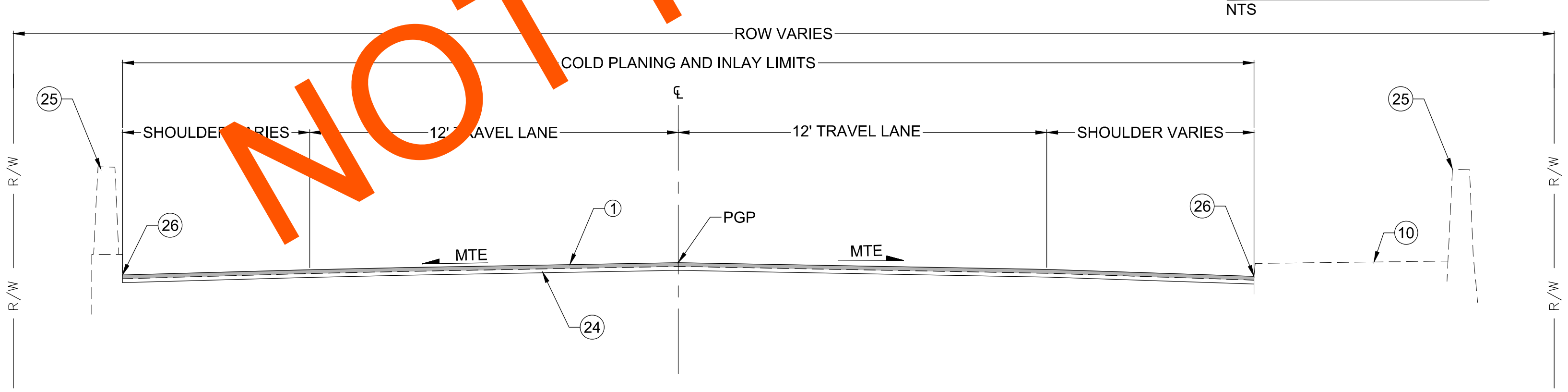
STA "D" 22+17 TO STA "D" 29+25
NTS



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



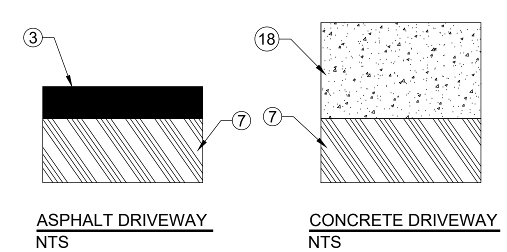
STA "D" 32+25 TO STA "D" 58+75
NTS



STA "D" 58+75 TO STA "D" 61+77 (LAWSON CREEK BRIDGE)
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
8. PRESERVE & PROTECT EXISTING HANDRAIL (LOCATIONS SHOWN ON F SHEETS)
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
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 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
24. EXISTING ASPHALT. PRESERVE & PROTECT EXISTING MEMBRANE UNDER EXISTING ASPHALT
25. PRESERVE & PROTECT EXISTING BRIDGE RAIL
26. MATCH EXISTING EDGE OF ASPHALT. PRESERVE & PROTECT EXISTING BRIDGE CURB AND SCUPPERS
27. EXISTING GRADE BREAK



RESIDENTIAL AND COMMERCIAL DRIVEWAY STRUCTURAL SECTION
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

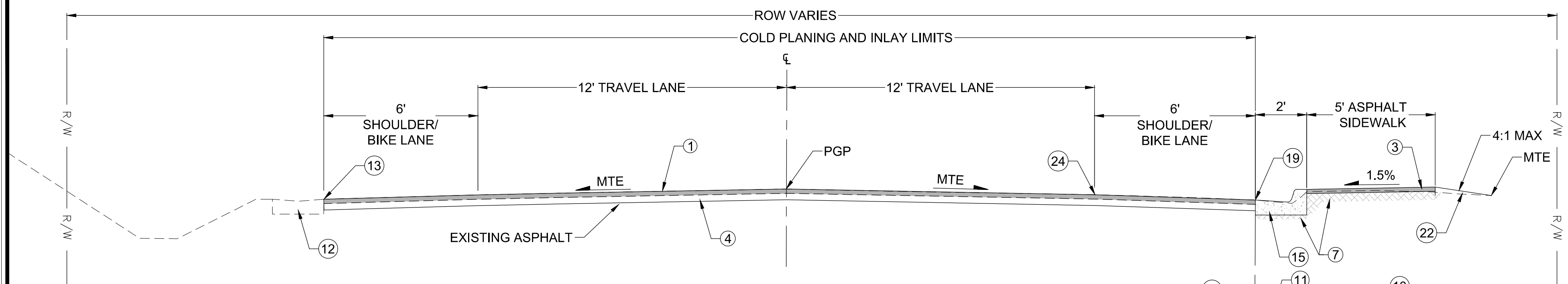
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II

TYPICAL SECTIONS

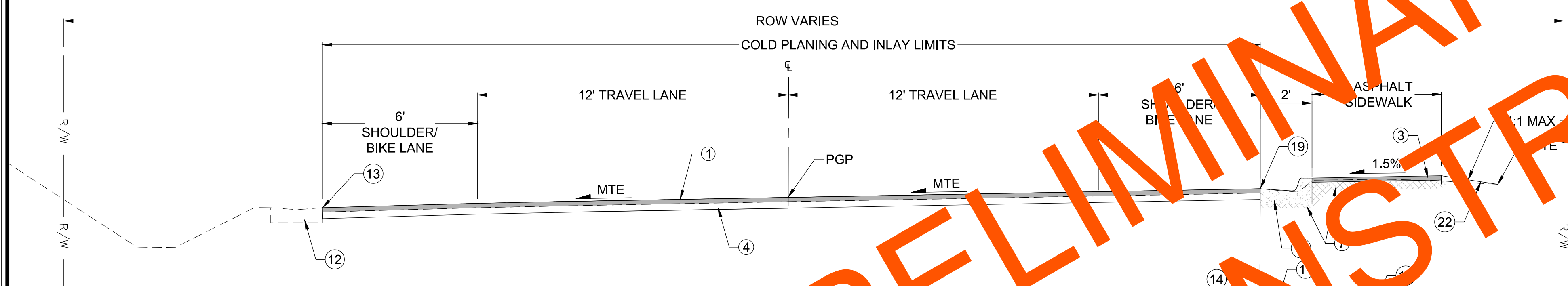
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	B2	B3



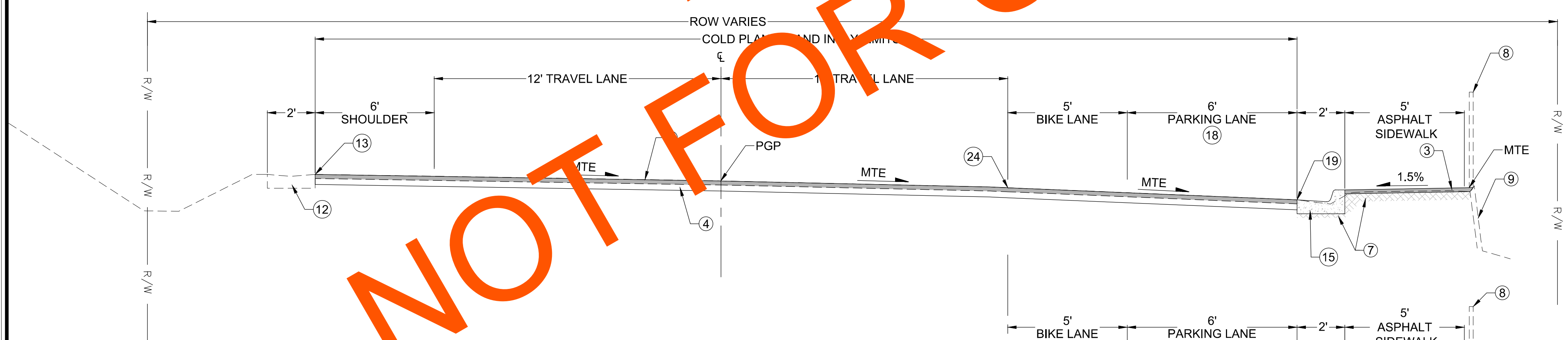
STA "D" 61+77 TO STA "D" 64+25
NTS - EXISTING ROADWAY TRANSITIONS TO FULL SUPER-ELEVATION SLOPING RIGHT TO LEFT FROM STA "D" 63+25 TO STA "D" 64+25

STA "D" 63+70 TO STA "D" 64+25
NTS



STA "D" 64+25 TO STA "D" 68+50
NTS - EXISTING ROADWAY TRANSITIONS TO FULL SUPER-ELEVATION SLOPING LEFT TO RIGHT FROM STA "D" 68+50 TO STA "D" 71+00

STA "D" 64+25 TO STA "D" 67+92
NTS



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

STA "D" 74+45 TO STA "D" 75+60
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
8. PRESERVE & PROTECT EXISTING HANDRAIL (LOCATIONS SHOWN ON F SHEETS)
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 & GUTTER
15. INSTALL STANDARD CURB AND GUTTER
16. 4" AGGREGATE BED COURSE, GRADING D-1
17. TRANSITION TO PARKING LANE ON RIGHT SIDE OCCURS BETWEEN STA "D" 70+75 AND STA "D" 71+40
18. SEE D AND F SHEETS FOR LOCATIONS OF DRIVEWAY CUTS
19. 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 ADJACENT TO CURB AND GUTTER
20. EXISTING UTILITIES SHOWN ON F SHEETS. LOCATION AND SIZE OF EXISTING UTILITIES ARE BASED ON RECORD DRAWINGS
21. 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
22. TOPSOIL AND SEED, 3" MIN. THICK, ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN
23. SAWCUT ASPHALT PAVEMENT FULL DEPTH
24. EXISTING GRADE BREAK
25. 2" MIN. AGGREGATE BED COURSE, GRADING D-1

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

STATE OF ALASKA
49TH
Ryan A. Stephens
Aug 05, 2021
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

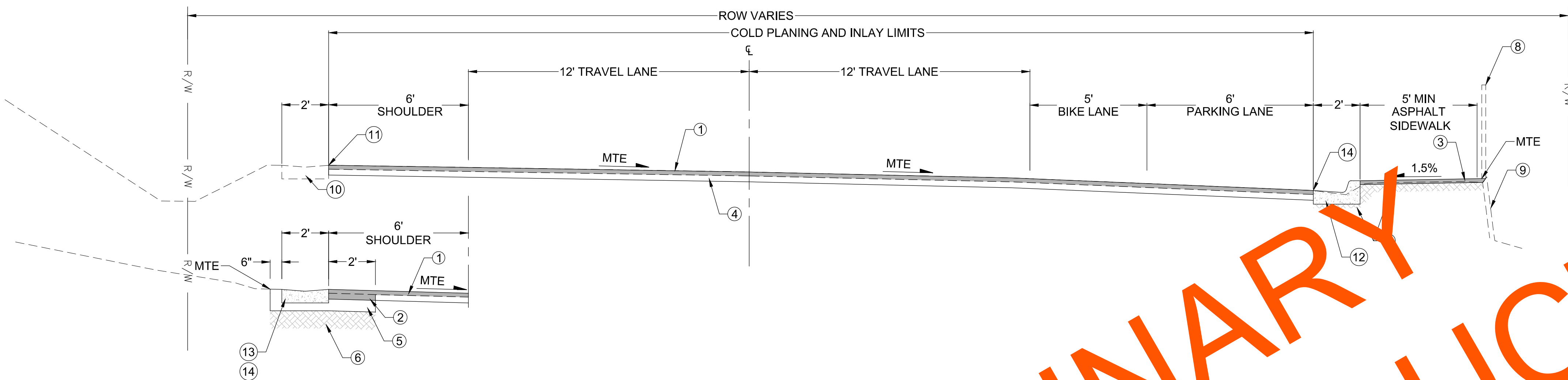
JNU DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II

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 7/26/2021 17:40 | LAYOUT B2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

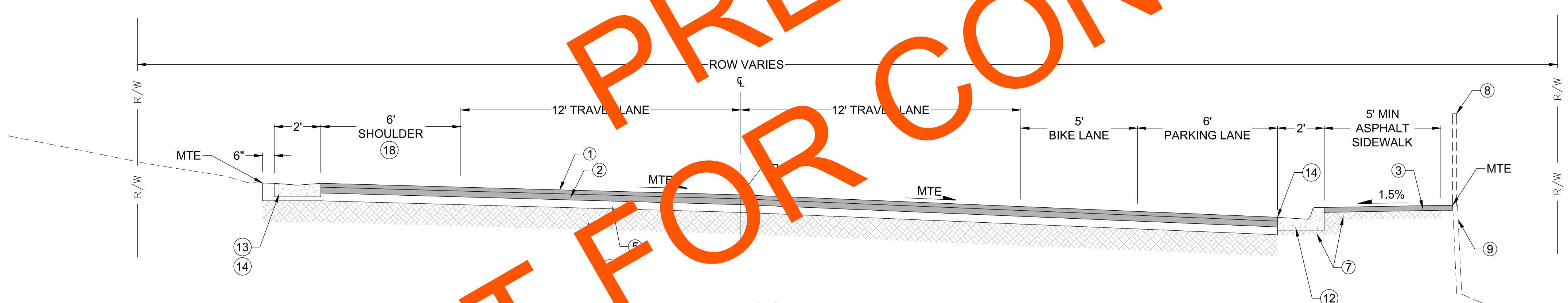
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	B3	B3



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

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



STA "D" 104+00 TO STA "D" 108+00
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
8. PRESERVE & PROTECT EXISTING HANDRAIL (LOCATIONS SHOWN ON F SHEETS)
9. PRESERVE & PROTECT EXISTING RETAINING WALL (LOCATIONS SHOWN ON F SHEETS)
10. PRESERVE & PROTECT EXISTING GUTTER
11. MATCH EXISTING GUTTER
12. INSTALL STANDARD CURB AND GUTTER
13. INSTALL GUTTER
14. 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 ADJACENT TO CURB AND GUTTER
15. EXISTING UTILITIES SHOWN ON F SHEETS. LOCATION AND SIZE OF EXISTING UTILITIES ARE BASED ON RECORD DRAWINGS
16. 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
17. TOPSOIL AND SEED, 3" THICK, ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN. TOPSOIL AND SEEDING WILL BE CONSIDERED INCIDENTAL TO OTHER WORK
18. TRANSITION SHOULDER WIDTH FROM 6 FEET TO 3.5 FEET BETWEEN STA "D" 107+79 AND STA "D" 108+00

PLANS DEVELOPED BY:
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Ryan A. Stephens
Aug 05, 2021
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

TYPICAL SECTIONS

FIRM DOWL
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-TS-B-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 7/26/2021 17:40
LAYOUT B3
PHONE (907) 780-3533
DESIGNED STEPHENS
CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848
DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	C1	C1

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	289
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	9,487
202.0003.0000	REMOVAL OF SIDEWALK	SQUARE YARD	1,316
202.0004.0000	REMOVAL OF CULVERT PIPE	LINEAR FOOT	338
202.0008.0000	REMOVAL OF INLET	EACH	12
202.0009.0000	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	6,728
202.0010.0000	SINGLE MAIL BOX INSTALLATION	EACH	9
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	1,127
203.0006.000B	BORROW, TYPE B	TON	1,146
205.0005.0000	CONTROLLED LOW-STRENGTH MATERIAL	CUBIC YARD	28
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	1,712
303.2003.0000	DITCH RECONDITIONING	LINEAR FOOT	3,679
306.0001.0000	ATB	TON	1,154
306.0002.6428	ASPHALT BINDER, GRADE PG 64-28 E	TON	61
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	TON	17
408.2001.000B	HMA, SP; TYPE B	TON	5,241
408.2004.6428	ASPHALT BINDER, GRADE PG 64-28 E	TON	278
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
408.2010.0001	PAVEMENT SMOOTHNESS PRICE ADJUSTMENT, METHOD 1	CONTINGENT SUM	ALL REQ'D
410.2001.0000	PAVEMENT COLD PLANING	SQUARE YARD	34,016
516.0001.0004	EXPANSION JOINT, PRECOMPRESSED SILICONE COATED	LINEAR FOOT	94
530.2000.0000	GRAVITY BLOCK WALL	SQUARE FOOT	892
603.0021.0012	CORRUGATED POLYETHYLENE PIPE 12 INCH	LINEAR FOOT	297
603.0021.0018	CORRUGATED POLYETHYLENE PIPE 18 INCH	LINEAR FOOT	[illegible]8
603.0021.0024	CORRUGATED POLYETHYLENE PIPE 24 INCH	LINEAR FOOT	1[illegible]
603.2019.0018	LINER FOR STORM DRAIN 18 INCH, HDPE	LINEAR FOOT	229
603.2019.0024	LINER FOR STORM DRAIN 24 INCH, HDPE	LINEAR FOOT	593
603.2019.0036	LINER FOR STORM DRAIN 36 INCH, HDPE	LINEAR FOOT	44
603.2019.0084	LINER FOR STORM DRAIN 84 INCH, HDPE	LINEAR FOOT	138
603.2027.0012	CURE IN PLACE PIPE 12"	LINEAR FOOT	508
603.2027.0018	CURE IN PLACE PIPE 18"	LINEAR FOOT	1,407
603.2027.0024	CURE IN PLACE PIPE 24"	LINEAR FOOT	740
603.2027.0036	CURE IN PLACE PIPE 36"	LINEAR FOOT	58
604.0001.0000	STORM SEWER MANHOLE	EACH	12
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	20
604.0005.000A	INLET, TYPE A	EACH	2
604.0010.0000	RECONSTRUCT INLET	EACH	6
604.0016.0000	ADJUST INLET FRAME AND GRATE	EACH	18
606.0001.0000	W-BEAM GUARDRAIL	LINEAR FOOT	150.0
606.0006.0000	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	282
606.0009.0000	SHORT RADIUS GUARDRAIL	EACH	1
606.0013.0000	PARALLEL GUARDRAIL TERMINAL	EACH	2
608.0001.0004	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	801
608.0001.0006	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	524
608.0003.0000	ASPHALT SIDEWALK	SQUARE YARD	2,890
608.0004.00D1	BED COURSE MATERIAL, GRADING D-1	TON	36
608.0006.0000	CURB RAMP	EACH	23
609.0002.0001	CURB AND GUTTER, TYPE 1	LINEAR FOOT	6,210
609.0003.0000	BACKING CURB	LINEAR FOOT	300
609.2004.0000	VALLEY GUTTER	LINEAR FOOT	1,279
611.0002.0001	RIPRAP, CLASS I	TON	387
611.0002.0002	RIPRAP, CLASS II	TON	244
615.0001.0000	STANDARD SIGN	SQUARE FOOT	157
615.0007.0000	SALVAGE AND DISPOSE SIGN	EACH	28
625.0001.0000	PIPE HAND RAIL	LINEAR FOOT	437
626.2013.0000	ADJUST SANITARY SEWER CLEANOUT	EACH	11

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
627.0010.0000	ADJUSTMENT OF VALVE BOX	EACH	78
631.0002.0001	GEOTEXTILE, EROSION CONTROL, CLASS 1	SQUARE YARD	546
635.0001.0000	INSULATION BOARD	MBM	1
639.0001.0000	DRIVEWAY	EACH	70
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
642.0004.0000	SET PRIMARY MONUMENT	EACH	[illegible]
642.0007.0000	REPLACE EXISTING WITH SECONDARY MONUMENT	EACH	19
642.0009.0000	REFERENCE EXISTING MONUMENT	EACH	19
642.0010.0000	MONUMENT CASE	EACH	16
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D
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.[illegible]	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
654.2004.0000	MO[illegible] ARCHAEOLOGICAL	CONTINGENT SUM	ALL REQ'D
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
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

PRELIMINARY NOT FOR CONSTRUCTION

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
608.0004.00D1	BED COURSE MATERIAL, GRADING D-1	1.15 TON/CY
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

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Aug 06, 2021
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 \\Fai-fs\jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-QT-C-70897.dwg | DATE 8/6/2021 9:54 | LAYOUT C1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	D1	D7

PRELIMINARY
NOT FOR CONSTRUCTION

201.2001.0000 INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL

SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
P1	'D' 21+62	'D' 22+11	LT	4	REED CANARY GRASS
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
P4	'D' 63+33	'D' 63+45	LT	10	REED CANARY GRASS
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' 69+23	'D' 69+53	RT	36	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:	289	SY

202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

STATION	OFFSET	REMARKS
'D' 32+89.10	1.42' LT	REMOVE CENTERLINE MONUMENT, A9
'D' 50+81.99	0.10' LT	REMOVE CENTERLINE MONUMENT, A8
'D' 53+31.78	0.00' RT	REMOVE CENTERLINE MONUMENT, A8
'D' 56+91.70	0.00' RT	REMOVE CENTERLINE MONUMENT, A8
'D' 68+95.21	0.65' LT	REMOVE CENTERLINE MONUMENT, A8
'D' 69+89.00	0.00' LT	REMOVE CENTERLINE MONUMENT, A8
'D' 74+50.71	0.00' LT	REMOVE CENTERLINE MONUMENT, A8
'D' 96+32.03	0.00' RT	REMOVE CENTERLINE MONUMENT, A7
'D' 104+53.99	0.02' LT	REMOVE CENTERLINE MONUMENT, A7

202.0002.0000 REMOVAL OF PAVEMENT

SHEET	START STATION	END STATION	OFFSET	AREA (SY)	REMARKS
F1-F2	'D' 22+17	'D' 29+25	CL	3,591	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' 27+49	'D' 27+63	RT	5	DRIVEWAY
F2	'D' 27+69	'D' 28+16	RT	17	DRIVEWAY
F2	'D' 28+21	'D' 28+34	RT	5	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-F4	'D' 32+26	'D' 35+62	RT	180	SIDEWALK
F4	'D' 35+27	'D' 35+73	LT	30	DRIVEWAY
F4	'D' 36+18	'D' 36+67	RT	49	DRIVEWAY & PATHWAY
F4	'D' 36+97	'D' 37+46	LT	26	SIDEWALK
F4	'D' 37+78	'D' 38+13	LT	21	SIDEWALK
F4	'D' 37+70	'D' 39+72	RT	157	SIDEWALK
F4-F5	'D' 39+98	'D' 40+09	RT	7	SIDEWALK
F6	'D' 47+25	'D' 47+60	RT	18	SIDEWALK
F6	'D' 47+41	'D' 48+33	LT	61	BUS PULLOUT
F6	'D' 47+43	'D' 47+61	RT	8	ADA RAMP
F6	'D' 48+28	'D' 48+45	RT	11	ADA RAMP
F7	'D' 51+58	'D' 51+84	LT	11	DRIVEWAY
F7	'D' 54+02	'D' 54+22	RT	12	SIDEWALK
F7	'D' 54+17	'D' 54+37	RT	9	ADA RAMP
F7-F8	'D' 54+84	'D' 55+04	RT	9	ADA RAMP
F8	'D' 57+25	'D' 58+76	RT	[illegible]07	SIDEWALK
F8	'D' 57+71	'D' 58+14	[illegible]	[illegible]	DRIVEWAY
F9	'D' 61+77	'D' 63+69	[illegible]	12[illegible]	SIDEWALK
F10	'D' 67+80	'D' 67+96	L[illegible]	9	SIDEWALK
F10-F11	'D' 67+92	'D' 71+71	RT	222	SIDEWALK
F10	'D' 68+[illegible]	[illegible] 68+60	[illegible]T	8	SIDEWALK
F10	[illegible] 69+37	'D' [illegible]9+99	LT	56	DRIVEWAY
F11	[illegible]72+[illegible]	'D' 7[illegible]	RT	33	SIDEWALK
[illegible]-F12	'D' [illegible]+05	'D' 75+90	RT	[illegible]	SIDEWALK
F11	'D' 73[illegible]79	'D' 73+92	LT	3	MANHOLE BUMP-OUT
[illegible]-F12	[illegible] 74+45	'D' 75+60	RT	156	DIG OUT
[illegible]12	'D' 75+26	'D' 75+62	[illegible]	14	DRIVEWAY
F[illegible]	'D' 76+74	'D' 77+0[illegible]	LT	25	DRIVEWAY
F12-F13	'D' 76+59	'D' 83+4[illegible]	RT	567	PATHWAY & DRIVEWAYS
F12-F13	'D' 78+[illegible]	'D' 82+15	RT	96	BEHIND RETAINING WALL
F12	[illegible]77+63	'D' 77+98	[illegible]	27	DRIVEWAY
F13	'D' [illegible]2+7[illegible]	'D' 83+19	LT	37	DRIVEWAY
[illegible]13	'D' 8[illegible]66	'D' [illegible]+82	LT	10	DRIVEWAY
[illegible]13-F14	[illegible] 84+[illegible]	'D' 85+68	RT	86	SIDEWALK
F14	[illegible] 85+71	'D' 86+00	RT	17	SIDEWALK
F[illegible]-F17	[illegible] 86+70	'D' 103+24	RT	1,091	SIDEWALK & DRIVEWAYS
F15	'D' 93+42	'D' 93+80	LT	21	DRIVEWAY
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' 102+31	'D' 102+47	LT	24	DRIVEWAY
F17	'D' 104+56	'D' 104+80	RT	14	SIDEWALK
F18	'D' 105+12	'D' 108+00	RT	168	SIDEWALK & DRIVEWAYS
F18	'D' 106+55	'D' 106+82	LT	17	DRIVEWAY
F17-F18	'D' 104+00	'D' 108+00	CL	1,865	ROADWAY
			TOTAL:	9,487	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	SIDEWALK
F1	'D' 22+17	'D' 23+76	LT	130	SIDEWALK
F1-F2	'D' 24+08	'D' 26+25	LT	161	SIDEWALK
F1-F2	'D' 24+09	'D' 26+26	RT	162	SIDEWALK
F2-F3	'D' 26+55	'D' 31+91	RT	386	SIDEWALK
F2	'D' 26+58	'D' 28+73	LT	152	SIDEWALK
F3	'D' 32+22	'D' 32+26	RT	2	SIDEWALK RAMP
F4	'D' 35+09	'D' 35+31	LT	10	SIDEWALK RAMP
F4	'D' 39+72	'D' 39+98	RT	15	SIDEWALK
F7	'D' 54+22	'D' 54+37	RT	6	SIDEWALK RAMP
F7	'D' 54+84	'D' 54+98	RT	6	SIDEWALK RAMP
F11	'D' 71+71	'D' 71+78	RT	4	SIDEWALK RAMP
F11	'D' 72+18	'D' 72+27	RT	5	SIDEWALK RAMP
F11	'D' 72+81	'D' 73+05	RT	15	SIDEWALK
F12	'D' 75+90	'D' 76+09	RT	8	SIDEWALK RAMP
F12	'D' 76+51	'D' 76+[illegible]	RT	[illegible]	SIDEWALK RAMP
F13	'D' 83+42	'D' 83+69	RT	18	SIDEWALK
F13	'D' 84+1[illegible]	'D' 84+16	RT	3	BUS STOP RAMP
F14	'D' 85+[illegible]	'D' 85+71	[illegible]	2	SIDEWALK PATCH
F14	[illegible] 86+0[illegible]	'D' 86+[illegible]	RT	2	BUS STOP RAMP
[illegible]4	'D' [illegible]+47	'D' 86[illegible]0	RT	17	SIDEWALK
F1[illegible]	'D' 10[illegible]24	'D' 104+57	RT	74	SIDEWALK
[illegible]17-F[illegible]	'D' 104[illegible]80	'D' 105+12	RT	18	SIDEWALK
			TOTAL:	1,316	SY

202.0004.0000 REMOVAL OF CULVERT PIPE

SHEET	PIPE ID	INLET		OUTLET		SIZE (IN)	LENGTH (LF)	REMARKS
		STATION	OFFSET	STATION	OFFSET			
F10	N/A	UNKNOWN	UNKNOWN	'D' 68+84	62.7' RT	24	12	
F12	P105	'D' 76+36	28.2' LT	'D' 76+37	21.2' LT	24	7	P12-1
F12	P107	'D' 76+60	25.9' RT	'D' 76+55	86.7' RT	24	84	P12-4
F13	P120	'D' 82+68	22.0' LT	'D' 83+28	21.5' LT	12	61	P13-3
F13	P121	'D' 83+49	20.6' LT	'D' 83+86	20.9' LT	12	37	P13-4
F14	P130	'D' 86+87	26.0' LT	'D' 86+87	22.7' LT	24	3	P14-1
F14	X133	'D' 88+64	23.9' LT	'D' 88+59	26.9' LT	24	6	P14-3
F15	P142	'D' 94+14	22.2' LT	'D' 94+19	22.6' LT	12	5	P15-10
F15-F16	P143	'D' 94+61	21.3' LT	'D' 95+06	19.6' LT	12	45	P15-9
F16	P147	'D' 96+15	20.7' LT	'D' 96+93	19.1' LT	12	78	P16-1
						TOTAL:	338	LF

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Aug 05, 2021
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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FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SU-D-70897.dwg | DATE 8/5/2021 17:47 | LAYOUT D1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

202.0008.0000 REMOVAL OF INLET

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F4	'D' 37+10.2	30.7' LT	1	S-45
F4	'D' 38+97.4	30.1' LT	1	S-47
F11	'D' 71+97.1	21.8' LT	1	S-68
F11	'D' 73+39.5	20.2' LT	1	S-70
F11	'D' 74+96.1	21.2' LT	1	S-71
F12	'D' 76+37.0	21.2' LT	1	S-73
F12	'D' 78+37.6	21.0' LT	1	S-76
F13	'D' 80+50.1	23.4' LT	1	S-78
F14	'D' 86+34.4	22.3' LT	1	S-85
F14	'D' 86+86.6	21.7' LT	1	S-86
F14	'D' 88+64.0	24.0' LT	1	S-87
F15	'D' 94+13.6	22.4' LT	1	S-90
		TOTAL:	12	EA

202.0009.0000 REMOVAL OF CURB AND GUTTER

SHEET	START STATION	START OFFSET	END STATION	END OFFSET	LENGTH (LF)	REMARKS
F1	'D' 22+17	21.6' RT	'D' 23+77	40.9' RT	178	
F1	'D' 22+17	21.4' LT	'D' 23+77	46.9' LT	183	
F1-F2	'D' 24+08	42.1' RT	'D' 26+27	40.1' RT	251	
F1-F2	'D' 24+07	46.1' LT	'D' 26+26	46.5' LT	262	
F2-F3	'D' 26+53	45.3' RT	'D' 31+92	31.3' RT	565	
F2	'D' 26+57	46.7' LT	'D' 28+64	21.3' LT	228	
F3-F4	'D' 32+21	32.4' RT	'D' 35+63	19.5' RT	344	
F4	'D' 36+97	19.4' LT	'D' 37+40	40.4' LT	71	
F4	'D' 37+77	37.7' LT	'D' 38+13	19.9' LT	42	
F6	'D' 47+43	21.0' RT	'D' 47+64	29.3' RT	24	
F6	'D' 48+23	28.0' RT	'D' 48+45	21.0' RT	34	
F7	'D' 54+17	21.0' RT	'D' 54+38	27.0' RT	23	
F7-F8	'D' 54+82	27.0' RT	'D' 55+04	21.0' RT	24	
F8	'D' 57+25	19.7' RT	'D' 58+76	19.9' RT	151	
F9	'D' 61+78	19.8' RT	'D' 63+69	19.5' RT	191	
F10	'D' 67+67	20.3' LT	'D' 67+96	34.6' LT	33	
F10-F11	'D' 67+92	18.8' RT	'D' 71+80	32.0' RT	391	
F10	'D' 68+45	38.0' LT	'D' 69+58	19.7' LT	119	
F11-F12	'D' 72+17	31.7' RT	'D' 76+10	31.2' RT	395	
F12-F13	'D' 76+50	31.7' RT	'D' 83+69	35.9' RT	725	
F13	'D' 84+16	32.4' RT	'D' 84+82	32.4' RT	66	
F13-F14	'D' 84+17	25.4' RT	'D' 86+00	25.4' RT	183	
F14	'D' 85+08	34.2' RT	'D' 86+00	32.5' RT	93	
F14-F18	'D' 86+47	36.5' RT	'D' 108+00	25.5' RT	2,152	
				TOTAL:	6,728	LF

202.00010.0000 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	
F11	'D' 71+54	31.9' RT	1	
F11	'D' 71+56	31.8' RT	1	
F11	'D' 71+57	32.4' RT	1	
F11	'D' 72+42	30.0' RT	1	
F15	'D' 93+92	30.4' RT	1	
F16	'D' 99+34	31.4' RT	1	
		TOTAL:	9	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
F7	'D' 50+25	'D' 50+25	9	CONCRETE OVER P7-1
F8	'D' 57+52	'D' 57+65	9	BUS SHELTER PAD
F10	'D' 69+32	'D' 69+45	9	BUS SHELTER PAD
F11-F12	'D' 74+45	'D' 75+60	155	ROADWAY
F12-F13	'D' 78+68	'D' 82+15	40	PAVING BEHIND RETAINING WALL
F17-F18	'D' 104+00	'D' 108+00	205	ROADWAY
		TOTAL:	1,127	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' 69+35	RT	12	BUS SHELTER PAD
		TOTAL:	1,146	TONS

205.0005.0000 CONTROLLED LOW-STRENGTH MATERIAL

SHEET	CENTERLINE STATION	VOLUME (CY)	REMARKS
F6	'D' 49+34	5	12" DIAMETER PIPE
F7	'D' 50+57	3	12" DIAMETER PIPE
F10	'D' 68+89	15	24" DIAMETER PIPE
	TOTAL:	23	TONS

301.0001.00D1 AGGREGATE BASE COURSE, GRADING [illegible]

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F2	'D' 22+17	'D' 25+00	567	[illegible]
F2	'D' 25+00	'D' 29+25	[illegible]54	[illegible]
F8	'D' 57+52	[illegible]	5	BUS SHELTER PAD
F10	'D' 69+32	[illegible]	[illegible]	BUS SHELTER PAD
F11-F12	'D' 74+45	[illegible]	63	DIG-OUT SECTION
F12-F13	[illegible]	[illegible]	[illegible]	PAVING BEHIND [illegible]
F17-F18	[illegible]	[illegible]	455	[illegible]
		TOTAL:	1,712	TONS

303.2003.0000 DITCH RECONDIT[illegible]ONING

SHEET	START STATION	START OFFSET	END STATION	END OFFSET	LENGTH (LF)	REMARKS
F6-F7	'D' 49+75	28.3' LT	[illegible]	42.7' LT	218	
F7-F8	'D' 51+85	[illegible]	[illegible]	[illegible]	586	
F9-F10	[illegible]	25.6' LT	[illegible]	26.2' LT	570	
F11-F12	[illegible]	24.1' LT	[illegible]	24.4' LT	509	
F12	[illegible]	25.8' LT	'D' 76+70	21.5' LT	118	
F12	[illegible]	[illegible]	'D' 77+67	20.7' LT	63	
F12-F13	[illegible]	23.5' LT	'D' 82+46	29.1' LT	435	
F13	[illegible]	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' 91+51	22.2' LT	'D' 93+66	37.6' LT	220	
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	3,679	LF

306.0001.0000 ATB

SHEET	START STATION	END STATION	WEIGHT (TON)	OFFSET
F1-F2	'D' 22+17	'D' 25+00	283	LT/RT
F2	'D' 25+00	'D' 29+25	426	LT/RT
F7	'D' 50+25	'D' 50+25	1	RT
F11-F12	'D' 74+45	'D' 75+60	28	RT
F12-F13	'D' 78+68	'D' 82+15	49	RT
F17-F18	'D' 104+00	'D' 108+00	367	LT
		TOTAL:	1,154	TONS

306.0002.6428 ASPHALT BINDER, GRADE PG 64-28 E

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F18	'D' 22+17	[illegible]	61	
		TOTAL:	61	TONS

402.00[illegible] STE-1 A[illegible]PHALT FOR TACK COAT

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
[illegible]	[illegible] 22+17	[illegible] 108+00	17	
		TOTAL:	[illegible]	TONS

408.2001[illegible]00B HMA, [illegible]P; T[illegible]E B

SHEET	START STATION	END STATION	WEIGHT (TON)	REMARKS
F1-F2	[illegible]	[illegible]	[illegible]	ROADWAY
F2	[illegible] 25+00	'D' 30+[illegible]	328	ROADWAY
F3	[illegible]	[illegible] 35+00	285	ROADWAY
F4	[illegible]	[illegible] 40+00	281	ROADWAY
[illegible]	'D' 4[illegible]	'D' 45+00	272	ROADWAY
F6	'D' 45+00	'D' 50+00	294	ROADWAY
[illegible]	'D' 50+00	'D' 55+00	286	ROADWAY
F8	'D' 55+00	'D' 60+00	282	ROADWAY
F9	'D' 60+00	'D' 65+00	274	ROADWAY
F10	'D' 65+00	'D' 70+00	305	ROADWAY
F11	'D' 70+00	'D' 75+00	299	ROADWAY
F12	'D' 75+00	'D' 80+00	338	ROADWAY
F12-F13	'D' 78+68	'D' 82+15	23	BEHIND RETAINING WALL
F13	'D' 80+00	'D' 85+00	322	ROADWAY
F14	'D' 85+00	'D' 90+00	344	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	310	ROADWAY
F18	'D' 105+00	'D' 108+00	183	ROADWAY
		TOTAL:	5,241	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	278	
		TOTAL:	278	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	2,172	
F4	'D' 35+00	'D' 40+00	CL	2,146	
F5	'D' 40+00	'D' 45+00	CL	2,071	
F6	'D' 45+00	'D' 50+00	CL	2,244	
F7	'D' 50+00	'D' 55+00	CL	2,184	
F8	'D' 55+00	'D' 60+00	CL	2,087	
F9	'D' 60+00	'D' 65+00	CL	2,091	
F10	[illegible]	'D' 70+00	CL	2,271	
F11	[illegible]	'D' 75+00	CL	2,280	
F12	[illegible]	'D' 80+00	CL	2,577	
[illegible]	[illegible]	'D' 85+00	CL	2,379	
[illegible]	[illegible] 85+00	'D' 90+00	CL	2,535	
F15	[illegible] 90+00	'D' 95+00	CL	2,379	
[illegible]	'D' 95+00	'D' 100+00	CL	2,396	
[illegible]	'D' 100+00	'D' 104+00	CL	1,870	
			TOTAL:	34,016	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	SF

PRELIMINARY
NOT FOR CONSTRUCTION

PLANS DEVELOPED BY:
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9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
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STATE OF ALASKA
49 TH
Ryan A. Stephens
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FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SU-D-70897.dwg | DATE 8/5/2021 17:47 | LAYOUT D2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	D3	D7

603.0021.0012 CORRUGATED POLYETHYLENE PIPE 12 INCH

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F12	P12-2	'D' 76+42	25.1' LT	52.9	'D' 76+37	21.2' LT	52.9	6	CONNECT TO EXISTING 12" CMP UNDERDRAIN
F12	P12-6	'D' 78+38	23.3' LT	57.1	'D' 78+38	22.1' LT	57.1	2	
F12	P12-8	'D' 79+50	21.3' LT	54.2	'D' 78+39	21.2' LT	54.2	11	CONNECT TO EXISTING 12" CMP UNDERDRAIN
F13	P13-1	'D' 80+65	23.1' LT	56.9	'D' 80+50	23.4' LT	56.9	15	CONNECT TO EXISTING 12" CMP UNDERDRAIN
F13	P13-3	'D' 83+28	21.4' LT	64.2	'D' 82+68	21.9' LT	63.5	61	
F13	P13-4	'D' 83+86	20.9' LT	65.4	'D' 83+49	20.6' LT	64.8	37	
F14	P14-2	'D' 87+05	23.2' LT	63.2	'D' 86+87	21.8' LT	63.2	18	CONNECT TO EXISTING 12" CMP UNDERDRAIN
F15	P15-5	'D' 94+14	22.2' LT	64.4	'D' 94+28	19.4' LT	63.7	16	CONNECT TO EXISTING 12" CMP UNDERDRAIN
F15	P15-10	'D' 94+19	22.6' LT	66.2	'D' 94+14	22.4' LT	66.2	6	
F16-F15	P15-9	'D' 95+06	19.6' LT	67.3	'D' 94+61	21.3' LT	66.8	46	
F16	P16-1	'D' 96+93	19.1' LT	67.1	'D' 96+15	20.7' LT	66.3	79	
							TOTAL:	297	LF

603.0021.0018 CORRUGATED POLYETHYLENE PIPE 18 INCH

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F11	P11-1	'D' 71+94	27.0' LT	53.3	'D' 71+97	23.0' LT	52.4	5	
F15	P15-11	'D' 94+87	25.4' RT	64.1	'D' 94+11	25.5' RT	63.7	73	
							TOTAL:	78	LF

603.0021.0024 CORRUGATED POLYETHYLENE PIPE 24 INCH

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F11	P11-2	'D' 74+96	26.2' LT	53.9	'D' 74+96	22.3' LT	53.4	4	
F12	P12-1	'D' 76+36	28.2' LT	57.9	'D' 76+37	21.2' LT	57.5	8	
F12	P12-4	'D' 76+60	24.9' RT	52.5	'D' 76+62	79.9' RT	37.5	66	
F14	P14-1	'D' 86+87	25.9' LT	66.1	'D' 86+87	22.6' LT	66.1	4	
F14	P14-3	'D' 88+59	26.7' LT	68.0	'D' 88+64	23.8' LT	67.9	7	
F15	P15-6	'D' 94+14	22.4' LT	62.2	'D' 93+80	25.0' RT	60.0	58	
F17	P17-4	'D' 103+01	29.8' LT	54.0	'D' 103+03	19.1' LT	52.6	12	
							TOTAL:	159	LF

603.2019.0018 LINER FOR STORM DRAIN 18 INCH, HDPE

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F7	P7-1	'D' 50+34	33.1' LT	92.8	'D' 50+20	38.8' RT	87.7	74	
F7	P7-2	'D' 54+13	19.1' RT	89.6	'D' 54+32	36.4' RT	89.2	26	
F8	P8-1	'D' 56+34	25.9' LT	82.4	'D' 55+81	19.7' LT	81.5	54	
F8	P8-2	'D' 57+72	28.0' LT	74.99	'D' 58+20	34.2' LT	71.[illegible]	49	
F10	P10-3	'D' 69+33	37.8' LT	56.0	'D' 69+51	19.9' LT	[illegible]	26	
							TOTAL:	229	LF

603.2019.0024 LINER FOR STORM DRAIN 24 INCH, HDPE

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F11	P11-3	'D' 73+40	20.2' LT	53.2	[illegible]	[illegible] RT	43.3	68	
F11-F12	P11-4	'D' 75+00	25.8' RT	49.8	'D' 75+[illegible]	37.2' RT	49.3	13	
F12	P12-3	'D' 76+37	20.7' LT	53.8	'D' 76+60	24.9' RT	53.4	57	
F12	P12-7	'D' 78+38	20.9' LT	53.7	'D' 78+34	24.4' RT	52.0	50	
F14	P14-4	'D' 88+64	23.8' LT	66.8	'D' 88+72	48.5' RT	61.9	81	
F14	P14-5	'D' 86+87	20.6' LT	61.0	'D' 86+79	45.2' RT	58.7	66	
F15	P15-1	'D' 90+79	44.0' LT	56.2	'D' 90+74	53.3' RT	48.7	108	
F15	P15-2	'D' 92+42	23.1' LT	65.7	'D' 92+37	42.9' RT	62.1	73	
F17	P17-5	'D' 103+01	29.8' LT	52.6	'D' 103+17	36.8' RT	45.5	77	
							TOTAL:	593	LF

603.2019.0036 LINER FOR STORM DRAIN 36 INCH, HDPE

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

603.2019.0036 LINER FOR STORM DRAIN 84 INCH, HDPE

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F1	P1-3	'D' 22+40	39.8' LT	62.7	'D' 21+45	58.6' RT	55.0	138	
							TOTAL:	138	LF

603.2027.0012 CURE IN PLACE PIPE 12"

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F1	P1-5	'D' 23+77	42.2' LT	81.5	'D' 23+92	13.8' LT	82.8	[illegible]	
F1	P1-7	'D' 24+18	20.9' LT	84.9	'D' 23+92	13.8' LT	[illegible]	28	
F1	P1-8	'D' 23+93	13.1' LT	85.2	'D' 24+18	20.8' R[illegible]	81.5	42	
F2	P2-2	'D' 26+27	43.1' LT	95.6	'D' 26+47	14.9' LT	[illegible]	35	
F2	P2-3	'D' 26+56	43.5' LT	96.2	'D' 26+47	[illegible] LT	92.8	31	
F2	P2-4	'D' 26+68	20.9' LT	96.5	'D' 26+47	14.9[illegible]	[illegible]	22	
F2	P2-5	'D' 26+47	14.9' LT	96.6	'D' [illegible]+71	[illegible] RT	93.2	44	
F2	P2-6	'D' 28+84	12.3' LT	[illegible]	'D' 28+[illegible]	20.9' RT	99.5	40	
F4	P4-3	'D' 36+95	55.[illegible] LT	108.8	[illegible]	30.7' LT	100.9	[illegible]	
F4	P4-4	'D' 37+10	30.[illegible]	[illegible]	'D' 37+04	19.9' LT	100.5	13	
F4	P4-5	'D' 38[illegible]	30.1' LT	[illegible]	'D' 37+10	30.7' LT	[illegible]	[illegible]	
							TOTAL:	508	LF

603.2027.0018 CURE IN PLACE PIPE 18"

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
[illegible]	P1-4	'D' 23+92	13.8' LT	[illegible]	'D' [illegible]+72	20.8' [illegible]	74.6	221	
[illegible]-F1	[illegible]	'D' 26+47	14.[illegible]	[illegible]	[illegible]	13.8' LT	81.8	256	
[illegible]	P2-7	'D' 28+75	[illegible] LT	[illegible]	'D' 28+[illegible]	12.3' LT	99.5	34	
F2	P2-8	'D' 29+21	[illegible] LT	[illegible]	'D' 28+84	12.3' LT	100.5	38	
F6	P6-3	[illegible] 46+99	[illegible] LT	[illegible]	'D' 45+66	19.5' LT	90.9	133	
F6	P6-6	'D' 49+24	43.[illegible]	91.5	'D' 48+57	19.7' LT	91.5	71	
F6	P6-7	'D' 48+61	[illegible] RT	90.3	'D' 48+61	40.9' RT	86.6	23	
[illegible]	P8-3	[illegible] 58+61	19.3' LT	72.9	'D' 58+59	19.2' RT	72.2	39	
F11	[illegible]	'D' 72+99	28.0' RT	53.8	'D' 71+69	26.0' RT	51.2	128	
[illegible]	[illegible]	'D' 80+32	24.9' RT	54.6	'D' 78+34	25.1' RT	52.2	198	
[illegible]	[illegible]	'D' 80+50	23.3' LT	55.2	'D' 80+32	24.9' RT	54.6	52	
[illegible]	P13-5	'D' 82+52	24.6' RT	62.0	'D' 83+45	25.0' RT	59.5	94	
F15	P15-8	'D' 94+11	24.9' RT	63.7	'D' 93+80	25.0' RT	62.7	32	
F17	P17-3	'D' 101+46	18.6' LT	53.1	'D' 101+56	58.6' RT	36.3	88	
							TOTAL:	1,407	LF

603.2027.0024 CURE IN PLACE PIPE 24"

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F4	P4-1	'D' 35+23	37.4' LT	98.9	'D' 35+23	27.8' LT	97.2	10	
F4	P4-2	'D' 35+23	27.8' LT	97.1	'D' 35+26	51.3' RT	94.2	88	
F4	P4-6	'D' 38+97	30.1' LT	101.9	'D' 38+83	18.9' RT	97.3	57	
F5	P5-2	'D' 40+98	18.8' LT	94.2	'D' 40+97	32.5' RT	94.0	52	
F5	P5-4	'D' 43+18	24.8' LT	92.1	'D' 43+19	37.7' RT	90.4	63	
F6	P6-2	'D' 45+66	19.5' LT	91.0	'D' 45+58	18.9' RT	90.9	40	
F10	P10-1	'D' 65+92	20.2' LT	66.2	'D' 66+26	55.9' RT	55.5	93	
F10	P10-2	'D' 68+39	57.8' LT	59.7	'D' 68+71	62.5' LT	57.0	33	
F12	P12-5	'D' 78+34	25.0' RT	56.2	'D' 76+61	25.6' RT	52.6	190	
F16	P16-2	'D' 98+98	20.9' LT	60.8	[illegible]' 99+97	25.2' RT	52.7	114	
							TOTAL:	740	LF

603.2019[illegible]036 [illegible]URE IN PLACE PIPE 36"

SHEET	PIPE ID	INLET			OUTLET			LENGTH (LF)	REMARKS
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
F17-F16	[illegible]	'D' 100+[illegible]	[illegible]	53.9	'D' 99+97	25.2' RT	51.8	58	
							TOTAL:	58	LF

604.0001.0000 STORM SEWER MANHOLE

SHEET	STATION	OFFSET	STRUCTURE ID	QUANTITY (EA)	RIM EL.	SIZE/FRAME & GRATE/SUMP
F4	'D' 37+10	30.7' LT	S-45	1	103.99	48" DIAMETER/LID/16"
F4	'D' 38+97	30.1' LT	S-47	1	101.92	48" DIAMETER/LID/16"
F11	'D' 71+97	21.8' LT	S-68	1	56.48	48" DIAMETER/FIELD/16"
F11	'D' 73+40	20.2' LT	S-70	1	57.38	48" DIAMETER/FIELD/16"
F11	'D' 74+96	21.2' LT	S-71	1	57.34	48" DIAMETER/FIELD/16"
F12	'D' 76+37	21.2' LT	S-73	1	58.71	48" DIAMETER/FIELD/16"
F12	'D' 78+38	20.9' LT	S-76	1	59.93	48" DIAMETER/FIELD/16"
F13	'D' 80+50	23.3' LT	S-78	1	60.21	48" DIAMETER/FIELD/16"
F14	'D' 86+87	21.7' LT	S-86	1	68.66	48" DIAMETER/FIELD/16"
F14	'D' 88+64	23.8' LT	S-87	1	69.95	48" DIAMETER/FIELD/16"
F15	'D' 94+14	22.4' LT	S-90	1	68.09	48" DIAMETER/FIELD/16"
F17	'D' 103+03	19.1' LT	S-97	1	68.09	48" DIAMETER/VALLEY/16"
		TOTAL:		12		EA

PRELIMINARY NOT FOR CONSTRUCTION

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Aug 05, 2021
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
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SU-D-70897.dwg | DATE 8/5/2021 17:47 | LAYOUT D3 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	D4	D7

604.0004.0000 ADJUST EXISTING MANHOLE

SHEET	STATION	OFFSET	STRUCTURE ID	QUANTITY (EA)	REMARKS
F1	'D' 23+80	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	9.8' LT	EXISTING	1	SSMH
F14	'D' 88+10	11.5' LT	EXISTING	1	SSMH
F14	'D' 89+19	11.0' LT	EXISTING	1	SSMH
F15	'D' 92+25	15.0' 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	13.9' LT	EXISTING	1	SSMH
F18	'D' 105+17	14.0' LT	EXISTING	1	SSMH
F18	'D' 106+42	21.7' LT	EXISTING	1	SDMH
			TOTAL:	20	EA

604.0005.000A INLET, TYPE A

SHEET	STATION	OFFSET	STRUCTURE ID	RIM EL.	QUANTITY (EA)	FRAME & GRATE/SUMP
F14	'D' 86+34	22.3' LT	S-85	68.85	1	FIELD/16"
F15	'D' 94+87	25.2' RT	S-91	67.66	1	CURB/16"
				TOTAL:	2	EA

604.0010.0000 RECONSTRUCT INLET

SHEET	STATION	OFFSET	STRUCTURE ID	QUANTITY (EA)	FRAME & GRATE
F1	'D' 24+18	20.8' RT	S-29	1	DEPRESSED
F1	'D' 24+18	20.9' LT	S-30	1	DEPRESSED
F2	'D' 26+68	20.9' LT	S-34	1	DEPRESSED
F2	'D' 26+71	20.9' RT	S-35	1	DEPRESSED
F2	'D' 28+63	20.9' RT	S-36	1	DEPRESSED
F12	'D' 76+60	24.9' RT	S-74	1	DEPRESSED
			TOTAL:	6	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
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' 73+00	24.7' RT	S-69	1	TYPE A
F11	'D' 74+99	24.9' RT	S-72	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' 82+52	24.5' RT	S-79	[illegible]	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
F17	'D' 100+19	27.5' LT	S-95	1	TYPE A
F18	'D' 105+14	24.9' RT	EXISTING	1	TYPE A
F18	'D' 106+60	24.7' RT	EXISTING	1	TYPE A
			TOTAL:	18	EA

606.0001.0000 W-BEAM GUARDRAIL

SHEET	START		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F10	'D' 65+99	25.6' RT	'D' 67+10	25.3' RT	112.5	
F10	'D' 68+87	21.4' LT	'D' 69+25	21.0' LT	37.5	
				TOTAL:	150.0	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+20	27.0' RT	80	
F10	'D' 66+45	26.8' RT	'D' 67+39	26.3' RT	94	
F10	'D' 68+53	41.4' RT	'D' 69+46	28.5' RT	108	
				TOTAL:	282	LF

606.0009.0000 SHORT RADIUS GUARDRAIL

SHEET	START		END		QUANTITY (EA)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F10	'D' 89+25	21.0' LT	'D' 69+53	45.3' LT	1	10' RADIUS
				TOTAL:	1	EA

606.0013.0000 PARALLEL GUARDRAIL TERMINAL

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F10	'D' 65+48	25.9' RT	1	
F10	'D' 67+10	25.3' RT	1	
		TOTAL:	2	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	[illegible]	22.0' RT	65	
F1	[illegible]	22.0' RT	[illegible]	22.0' RT	28	
F1	[illegible]	22.0' RT	'D' 25+00	22.0' RT	57	
F1-F2	[illegible]	22.0' LT	'D' 25+04	22.0' LT	[illegible]	
F1-F2	'D' 24+71	22.0' RT	'D' 25+01	[illegible]	[illegible]	
F2	[illegible]	22.0' RT	[illegible]	[illegible]	[illegible]	
F2	'D' 25+36	22.0' LT	[illegible]	[illegible]	53	
[illegible]	'D' 26+69	22.0' RT	[illegible]	[illegible]	59	
F2	'D' 26+76	[illegible]	[illegible]	[illegible]	84	
F2	'D' 28+39	[illegible]	[illegible]	[illegible]	40	
F2	'D' 28+47	[illegible]	'D' 28+58	22.0' LT	7	
F2	[illegible]	[illegible]	'D' 29+50	22.0' RT	21	
F2-F3	[illegible]	22.0' RT	'D' 30+10	22.0' RT	24	
F3	[illegible]	22.0' RT	'D' 30+68	22.0' RT	27	
F3	[illegible]	22.0' RT	'D' 31+81	24.6' RT	91	
				TOTAL:	801	SY

608.0001.0006 CONCRETE SIDEWALK, 6 INCHES THICK

SHEET	START		END		AREA (SY)	NOTES
	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	CURB RAMP
F1	'D' 23+66	22.0' RT	'D' 23+77	28.0' RT	9	CURB RAMP
F1	'D' 24+07	29.2' RT	'D' 24+29	22.0' RT	16	CURB RAMP
F1	'D' 24+08	39.9' LT	'D' 24+28	28.0' LT	24	CURB RAMP
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	10	CURB RAMP
F2	'D' 26+15	22.0' LT	'D' 26+27	22.0' LT	7	CURB RAMP
F2	'D' 26+54	22.0' RT	'D' 26+69	22.0' RT	11	CURB RAMP
F2	'D' 26+56	22.0' LT	'D' 26+76	22.0' LT	[illegible]	CURB RAMP
F2	'D' 27+45	22.0' RT	'D' 28+34	[illegible]	[illegible]	DRIVEWAY
F2	'D' 28+01	22.0' LT	'D' 28+47	22.0' LT	31	DRIVEWAY
F2	'D' 28+87	22.0' RT	[illegible]	22.0' RT	30	DRIVEWAY/CURB RAMP
F2	'D' 29+50	22.0' RT	[illegible]	[illegible]	27	DRIVEWAY
F3	'D' 30+10	[illegible]	[illegible]	[illegible]	22	DRIVEWAY
F3	[illegible]	[illegible]	'D' 30+73	22.0' RT	5	BUS STOP
F3	[illegible]	24.0' RT	[illegible]	24.0' RT	7	CURB RAMP
F3	[illegible]	27.0' RT	[illegible]	27.0' RT	7	CURB RAMP
F6	[illegible]	[illegible]	'D' 47+61	21.0' RT	8	CURB RAMP
F6	[illegible]	[illegible]	'D' 48+45	21.0' RT	11	CURB RAMP
[illegible]	[illegible]	21.0' RT	'D' 54+37	21.0' RT	9	CURB RAMP
[illegible]	[illegible]	21.0' RT	'D' 55+04	21.0' RT	9	CURB RAMP
F8	'D' 57+52	20.6' RT	'D' 57+65	20.5' RT	18	BUS STOP
[illegible]	'D' 67+80	25.0' LT	'D' 67+96	35.0' LT	8	CURB RAMP
F10	'D' 68+42	47.0' LT	'D' 68+59	27.0' LT	12	CURB RAMP
F10	'D' 69+33	20.0' RT	'D' 69+46	20.0' RT	18	BUS STOP
F11	'D' 71+69	27.0' RT	'D' 71+82	27.0' RT	6	CURB RAMP
F11	'D' 72+18	27.0' RT	'D' 72+30	26.0' RT	6	CURB RAMP
F12	'D' 75+95	27.0' RT	'D' 76+09	27.0' RT	7	CURB RAMP
F12	'D' 76+52	27.0' RT	'D' 76+68	27.0' RT	8	CURB RAMP
F13	'D' 83+53	27.0' RT	'D' 83+69	37.0' RT	12	CURB RAMP
F13	'D' 84+12	26.0' RT	'D 84+21	26.0' RT	6	CURB RAMP
F14	'D' 85+95	26.0' RT	'D' 86+02	26.0' RT	5	CURB RAMP
F14	'D' 86+47	37.0' RT	'D' 86+64	28.0' RT	13	CURB RAMP
F16	'D' 96+47	37.0' RT	'D' 96+52	28.0' RT	5	BUS STOP
				TOTAL:	524	SY

PRELIMINARY
NOT FOR CONSTRUCTION

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

STATE OF ALASKA 49 TH
Ryan A. Stephens
Aug 06, 2021
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
FILE \\Fai-fs\jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SU-D-70897.dwg | DATE 8/6/2021 10:39 | LAYOUT D4 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	D5	D7

PRELIMINARY
NOT FOR CONSTRUCTION

608.0003.0000 ASPHALT SIDEWALK

SHEET	START		END		AREA (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F3	'D' 32+34	27.0' RT	'D' 35+00	20.4' RT	149	
F4	'D' 35+00	27.0' RT	'D' 35+62	27.0' RT	35	
F8	'D' 57+25	20.6' RT	'D' 57+52	20.8' RT	18	
F8	'D' 57+65	20.8' RT	'D' 58+76	27.0' RT	74	
F9	'D' 61+78	21.0' RT	'D' 63+69	21.0' RT	128	
F10	'D' 67+92	20.0' RT	'D' 69+32	20.0' RT	94	
F10	'D' 69+45	20.0' RT	'D' 70+00	20.0' RT	37	
F11	'D' 70+00	20.0' RT	'D' 71+69	26.5' RT	113	
F11-F12	'D' 72+30	25.1' RT	'D' 75+95	26.4' RT	244	
F12-F13	'D' 76+68	26.5' RT	'D' 83+53	29.1' RT	457	
F13	'D' 84+21	26.5' RT	'D' 85+00	26.5' RT	59	
F14	'D' 85+00	26.2' RT	'D' 85+92	26.3' RT	46	
F14-F18	'D' 86+47	26.8' RT	'D' 108+00	19.9' RT	1,436	
				TOTAL:	2,890	SY

608.0004.00D1 BED COURSE MATERIAL, GRADING D-1

SHEET	START STATION	END STATION	OFFSET	WEIGHT (TON)	REMARKS
F11-F12	'D' 74+45	'D' 75+60	RT	36	DIGOUT SECTION
			TOTAL:	36	TONS

608.0006.0000 CURB RAMP

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	'D' 23+69	25.1' LT	1	
F1	'D' 23+70	25.1' RT	1	
F1	'D' 24+14	25.4' RT	1	
F1	'D' 24+14	25.1' LT	1	
F2	'D' 26+21	25.1' RT	1	
F2	'D' 26+20	25.1' LT	1	
F2	'D' 26+64	25.1' LT	1	
F2	'D' 26+64	25.1' RT	1	
F2	'D' 28+69	24.3' LT	1	
F3	'D' 31+86	27.2' RT	1	
F3	'D' 32+28	30.2' RT	1	
F6	'D' 47+50	22.9' RT	1	
F6	'D' 48+41	23.0' RT	1	
F7	'D' 54+25	23.2' RT	1	
F7	'D' 54+95	23.1' RT	1	
F11	'D' 71+73	29.6' RT	1	
F11	'D' 72+25	29.4' RT	1	
F12	'D' 76+00	29.2' RT	1	
F12	'D' 76+60	29.0' RT	1	
F13	'D' 83+58	31.1' RT	1	
F13	'D' 84+19	29.1' RT	1	
F14	'D' 85+98	29.0' RT	1	
F14	'D' 86+59	30.3' RT	1	
		TOTAL:	23	EA

609.0002.0001 CURB AND GUTTER, TYPE I

SHEET	START		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	'D' 22+17	21.5' RT	'D' 23+76	41.0' RT	178	
F1	'D' 22+17	21.5' 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	
F4	'D' 35+09	19.8' LT	'D' 35+33	27.8' LT	27	
F4	'D' 36+95	55.5' LT	'D' 37+13	49.0' LT	19	
F4	'D' 36+97	19.9' LT	'D' 37+40	40.0' LT	70	
F4	'D' 37+78	38.0' LT	'D' 38+13	19.9' LT	42	
F6	'D' 47+43	21.0' RT	'D' 47+64	29.3' RT	24	
F6	'D' 48+23	28.0' RT	'D' 48+45	21.0' RT	34	
F7	'D' 54+17	21.0' RT	'D' 54+38	27.0' RT	23	
F7-F8	'D' 54+82	27.0' RT	'D' 55+04	21.0' RT	24	
F8	'D' 57+25	20.0' RT	'D' 58+75	20.1' RT	150	
F9	'D' 61+77	20.2' RT	'D' 63+69	20.0' RT	192	
F10	'D' 67+65	20.9' LT	'D' 67+96	34.9' LT	35	
F10-F11	'D' 67+92	19.1' RT	'D' 71+80	37.2' RT	399	
F10	'D' 68+45	38.2' LT	'D' 68+92	20.4' LT	52	
F11	'D' 72+18	31.8' RT	'D' 73+50	26.0' RT	135	
F12	'D' 75+50	25.9' RT	'D' 76+10	31.9' RT	62	
F12-F13	'D' 76+51	31.9' RT	'D' 83+69	36.2' RT	[illegible]	
F13-F14	'D' 84+82	32.1' RT	'D' 85+08	33.8' RT	[illegible]	BUS STOP
F14	'D' 89+47	36.8' RT	'D' 89+50	25.6' RT	306	
F15-F16	'D' 91+00	25.7' RT	'D' 98+25	[illegible]	[illegible]	
F16-F18	'D' 99+25	25.9' RT	[illegible]	25.5' RT	[illegible]	
F18	'D' 107+50	25.8' RT	[illegible]	[illegible]	49	
				TOTAL:	6,210	LF

609.2003.0000 BACKING CURB

SHEET	START		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	[illegible]	28.5' LT	'D' 23+77	[illegible]	13	
F1	[illegible]	28.5' RT	'D' 23+78	[illegible]	[illegible]	
[illegible]	[illegible]	28.5' LT	'D' 24+29	[illegible]	[illegible]	
[illegible]	'D' 24+07	28.5' RT	[illegible]	[illegible]	[illegible]	
F2	'D' 26+14	28.5' RT	'D' 26+26	[illegible]	12	
F2	'D' 26+15	28.5' LT	'D' 26+27	28.5' LT	12	
F2	[illegible]	[illegible]	[illegible]	28.5' RT	17	
F2	[illegible]	[illegible]	'D' 26+76	28.5' LT	19	
F2	[illegible]	[illegible]	'D' 29+25	28.5' RT	16	
F3	[illegible]	31.1' RT	'D' 31+91	31.9' RT	10	
F3	[illegible]	33.1' RT	'D' 32+34	32.6' RT	13	
F4	[illegible]	26.0' LT	'D' 37+46	26.1' LT	15	
[illegible]	[illegible]	26.0' RT	'D' 48+40	26.0' RT	13	
F7	'D' 54+22	26.0' RT	'D' 54+37	26.0' RT	15	
F10	'D' 67+92	29.2' LT	'D' 67+84	31.6' LT	11	
F10	'D' 68+47	48.8' LT	'D' 68+56	33.0' LT	24	
F11	'D' 71+70	32.2' RT	'D' 71+82	32.2' RT	12	
F11	'D' 72+18	31.8' RT	'D' 72+30	31.8' 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:	300	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	APPROACH
F10-F11	'D' 68+92	20.4' LT	'D' 70+36	19.0' LT	85	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+13	25.0' RT	65	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:	1,279	LF

611.0002.0001 RIPRAP, CLASS I

SHEET	PIPE ID	STATION	OFFSET	WEIGHT (TON)	REMARKS
F1	P1-3	'D' 21+45	58.6' RT	73	
F4	P4-2	'D' 35+26	[illegible]	22	
F5	P5-2	'D' 40+97	[illegible]	22	
F5	P5-4	[illegible]	37.7' RT	[illegible]	
F5-F6	EXISTING	'D' 45+16	35.3' RT	39	SHARE 1 APRON
F6	EXISTING	'D' 45+19	[illegible]		
F7	[illegible]	'D' 50+20	[illegible]	13	
F7	[illegible]	[illegible]	36.4' RT	13	
[illegible]	[illegible]	[illegible]	34.2' LT	13	
[illegible]	[illegible]	'D' 68+71	62.5' LT	22	
[illegible]	[illegible]	'D' 69+33	37.8' LT	16	
F11	P11-4	'D' 75+00	37.2' RT	22	
[illegible]	P12-4	'D' 76+55	86.7' RT	22	
F14	P14-4	'D' 88+72	48.5' RT	22	
F15	P15-1	'D' 90+74	53.2' RT	22	
F15	P15-2	'D' 92+37	42.8' RT	22	
F15	P15-7	'D' 93+79	46.2' RT	22	
			TOTAL:	387	TONS

611.0002.0002 RIPRAP, CLASS II

SHEET	PIPE ID	STATION	OFFSET	WEIGHT (TON)	REMARKS
F6	P6-7	'D' 48+61	40.9' RT	23	
F9	P9-1	'D' 62+81	54.8' RT	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	P17-4	'D' 102+28	25.0' RT	31	
			TOTAL:	244	TONS

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

STATE OF ALASKA
49 TH
Ryan A. Stephens
Aug 05, 2021
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
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SU-D-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 8/5/2021 17:47
LAYOUT D5
PHONE (907) 780-3533
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR
CERTIFICATE OF AUTH #: AECL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	D6	D7

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	EA

625.0001.0000 PIPE HAND RAIL

SHEET	START STATION	END STATION	OFFSET	LENGTH (LF)	REMARKS
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:	437	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+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:	11	EA

627.0010.0000 ADJUSTMENT OF VALVE BOX

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+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' 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	
F2	'D' 28+86	17.3' RT	1	
F2	'D' 28+89	14.8' RT	1	
F2	'D' 28+91	17.4' RT	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	
F3	'D' 30+49	14.8' LT	1	
F3	'D' 32+02	29.1' RT	1	
F3	'D' 32+49	28.[illegible]	[illegible]	
F3	'D' 32+50	18.6[illegible]	1	
F4	'D' 35+66	[illegible].7' R[illegible]	1	
F4	[illegible] 35+70	22.[illegible]' RT	1	
[illegible]	'D[illegible]5+75	22.7[illegible]RT	1	
F4	'D' 3[illegible]49	[illegible].5' RT	1	
F[illegible]	'D' 37[illegible]	22.4' RT	1	
[illegible]6	'D'[illegible]9+45	21.0' RT	[illegible]	
F[illegible]	'D' 71+86	21.5' RT	1	
F11	'D' 72+63	21.5' RT	1	
F11	'D' 72+77	22.0' RT	1	
F12	'D' 75+99	21.8' RT	1	
F12	'D' 76+05	18.7' RT	1	
F[illegible]	[illegible]D' 76+07	[illegible]1.3' RT	1	
F12	[illegible]D' 78+77	27.9' RT	1	
F1[illegible]	[illegible] 80+06	22.4' RT	1	
F[illegible]3	'D' 80+08	19.4' RT	1	
F1[illegible]	'D' 80+12	22.4' RT	1	
F13	'D' 80+97	22.1' RT	1	
F13	'D' 81+03	25.2' RT	1	
F13	'D' 84+93	24.1' RT	1	
F13	'D' 84+96	20.4' RT	1	
F13	'D' 84+97	0.9' RT	1	
F13	'D' 84+97	6.2' LT	1	
F14	'D' 85+00	2.2' LT	1	
F14	'D' 85+02	23.9' RT	1	
F14	'D' 85+26	28.2' RT	1	
F14	'D' 88+28	21.1' RT	1	
F14	'D' 88+29	0.9' RT	1	
F14	'D' 88+32	2.3' LT	1	
F14	'D' 88+35	21.0' RT	1	
F14	'D' 88+35	0.7' RT	1	
F14	'D' 88+37	26.5' RT	1	
F15	'D' 92+16	1.6' LT	1	
F15	'D' 92+19	4.5' LT	1	
F15	'D' 92+22	1.4' LT	1	
F15	'D' 92+70	27.4' RT	1	

627.0010.0000 ADJUSTMENT OF VALVE BOX (CONT'D)

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F16	'D' 95+80	24.3' RT	1	
F16	'D' 95+90	31.7' RT	1	
F16	'D' 96+74	29.8' RT	1	
F16	'D' 96+73	22.0' LT	1	
F16	'D' 96+79	25.5' RT	1	
F16	'D' 97+41	35.2' RT	1	
F16	'D' 98+44	24.5' LT	1	
F17	'D' 100+49	29.8' RT	1	
F17	'D' 100+93	20.9' RT	1	
F17	'D' 101+08	5.3' LT	1	
F17	'D' 101+12	8.2' LT	1	
F17	'D' 101+15	18.8' RT	1	
F17	'D' 101+15	[illegible]1.6' LT	1	
F17	'D' 101+18	[illegible]4.9' LT	1	
		TOTAL:	78	EA

631[illegible]002.0001 G[illegible]OTEXTILE, EROSION CON[illegible] CLASS 1

S[illegible]	[illegible] ID	STATION	OFFSET	A[illegible] (SY)	[illegible]EMARKS
F[illegible]	P4-2	'D' 35+26	51.3' RT	15	RIP[illegible]P CLASS I
F5	P5-2	'D' 40+97	[illegible].5' R[illegible]	24	RIPR[illegible] CLASS I
[illegible]	P5-4	'D' 43+19	37[illegible] RT	30	RIPRAP CLASS I
F6	P6-1	'D' 4[illegible]19	35.5[illegible]T	72	RIPRAP CLASS I
F6	P6-7	[illegible]' 48+[illegible]1	40.9' [illegible]	20	RIPRAP CLASS II
F7	[illegible]-1	'[illegible] 50+2[illegible]	38.8' [illegible]	20	RIPRAP CLASS I
F7	P[illegible]2	[illegible]' 54+32	[illegible].4' RT	20	RIPRAP CLASS I
F[illegible]	P8[illegible]	'D' 58[illegible]	34.2' LT	20	RIPRAP CLASS I
F9	P9-1	'D' 62+81	54.8' RT	20	RIPRAP CLASS II
F10	P10-2	'D' 68+71	62.5' LT	30	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
F12	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	P15-1	'D' 90+74	53.3' RT	30	RIPRAP CLASS I
F15	P15-2	'D' 92+37	42.8' RT	10	RIPRAP CLASS I
F15	P15-7	'D' 93+79	46.3' RT	30	RIPRAP CLASS I
F16	P16-3	'D' 99+98	45.0' RT	65	RIPRAP CLASS II
F17	P17-3	'D' 101+56	58.6' RT	20	RIPRAP CLASS II
F17	P17-8	'D' 103+17	36.7' RT	5	RIPRAP CLASS II
			TOTAL:	546	SY

PRELIMINARY
NOT FOR CONSTRUCTION

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Aug 05, 2021
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

FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SU-D-70897.dwg | DATE 8/5/2021 17:47 | LAYOUT D6 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

PRELIMINARY NOT FOR CONSTRUCTION

639.0001.0000 DRIVEWAY (CONT'D)

SHEET	STATION	OFFSET	TYPE PUBLIC (EA)	TYPE RES. (EA)	TYPE COMM. (EA)	WIDTH (FT)	REMARKS
F1	'D' 23+12	22.0' RT		1		24.9	DRIVEWAY CURB CUT
F1	'D' 23+92	37.9' LT	1			28.9	G STREET
F1	'D' 23+93	41.5' RT	1			29.3	G STREET
F2	'D' 25+11	22.0' RT		1		21.3	MODIFIED DRIVEWAY CURB CUT
F2	'D' 25+15	22.0' LT		1		36.4	DRIVEWAY CURB CUT
F2	'D' 26+43	48.2' RT	1			24.0	H STREET
F2	'D' 26+41	51.4' LT	1			30.0	H STREET
F2	'D' 27+50	22.0' RT		1		14.0	MODIFIED DRIVEWAY CURB CUT
F2	'D' 27+92	22.0' RT		1		13.9	MODIFIED DRIVEWAY CURB CUT
F2	'D' 28+10	22.0' LT		1		48.5	DRIVEWAY CURB CUT
F2	'D' 28+93	42.0' LT	1			34.2	I STREET
F2	'D' 29+00	22.0' RT		1		19.0	DRIVEWAY CURB CUT
F2	'D' 29+66	23.0' RT		1		31.7	DRIVEWAY CURB CUT
F3	'D' 30+23	23.1' RT		1		25.3	DRIVEWAY CURB CUT
F3	'D' 32+06	32.0' RT		1		26.0	APARTMENT ENTRANCE
F6	'D' 49+39	44.4' LT	1			86.5	CROW HILL DR
F7	'D' 51+70	20.0' LT		1		20.4	EXISTING GUTTER TO REMAIN
F7	'D' 54+63	48.9' RT	1			75.9	LAWSON CREEK RD
F8	'D' 57+95	20.2' LT	1			42.7	CREEK ST
F9	'D' 63+95	24.5' RT		1		210.0	DRIVEWAY CURB CUT
F10	'D' 68+24	61.5' LT	1			105.7	VISTA DR
F10	'D' 69+64	21.1' LT		1		61.9	GUTTER
F11	'D' 71+98	31.9' RT		1		51.2	GUTTER
F12	'D' 75+43	24.1' LT		1		29.3	
F12	'D' 76+31	24.4' RT		1		58.4	GUTTER
F12	'D' 76+87	27.8' LT		1		29.9	
F12	'D' 77+80	17.2' LT		1		36.7	
F12	'D' 79+32	31.5' RT		1		31.4	DRIVEWAY CURB CUT
F13	'D' 81+64	31.4' RT		1		28.4	DRIVEWAY CURB CUT
F13	'D' 83+25	31.5' RT		1		27.0	DRIVEWAY CURB CUT
F13	'D' 82+96	17.6' LT		1		46.2	
F13	'D' 83+80	17.5' LT		1		16.8	
F13	'D' 83+90	31.5' RT	1			56.0	GUTTER
F14	'D' 85+48	31.3' LT	1			110.1	DAVID ST
F14	'D' 86+30	31.5' RT	1			58.2	GUTTER
F14	'D' 87+76	31.5' RT		1		41.6	DRIVEWAY CURB CUT
F14	'D' 88+03	33.3' LT	1			65.8	JOHN ST
F15	'D' 93+09	35.0' RT		1		50.9	DRIVEWAY CURB CUT
F15	'D' 93+64	21.5' LT		1		38.0	
F15	'D' 94+28	36.6' RT		1		65.2	DRIVEWAY CURB CUT
F15	'D' 94+74	31.4' RT		1		24.7	DRIVEWAY CURB CUT
F15	'D' 94+81	25.8' LT		1		24.3	
F16	'D' 95+36	31.3' RT		1		25.8	DRIVEWAY CURB CUT
F16	'D' 95+40	22.1' LT		1		14.4	
F16	'D' 95+74	31.4' RT		1		29.7	DRIVEWAY CURB CUT
F16	'D' 96+31	23.8' LT		1		31.2	
F16	'D' 96+65	23.6' LT		1		22.0	
F16	'D' 97+18	31.3' RT		1		57.4	DRIVEWAY CURB CUT
F16	'D' 97+95	31.4' RT		1		[illegible]	DRIVEWAY CURB CUT
F16	'D' 98+53	28.3' LT		1		25.7	
F16	'D' 99+30	19.4' LT		1		25.0	GUTTER
F16	'D' 99+58	31.4' RT		1		36.9	DRIVEWAY CURB CUT
F17	'D' 100+21	19.5' LT		[illegible]		[illegible]	GUTTER
F17	'D' 100+72	31.5' RT		1		51.4	DRIVEWAY CURB CUT
F17	'D' 100+96	19.5' LT		1		43.0	GUTTER
F17	'D' 101+75	31.5' RT		1		51.7	DRIVEWAY CURB CUT
F17	'D' 102+30	31.5' RT		1		21.8	MODIFIED DRIVEWAY CURB CUT
F17	'D' 102+35	20.0' LT		1		16.6	GUTTER
F17	'D' 103+25	20.0' LT		1		39.7	GUTTER
F17	'D' 103+45	31.5' RT		1		33.2	DRIVEWAY CURB CUT
F17	'D' 103+80	31.5' RT		1		18.6	DRIVEWAY CURB CUT
F17	'D' 104+20	20.0' LT		1		36.0	GUTTER

639.0001.0000 DRIVEWAY (CONT'D)

SHEET	STATION	OFFSET	TYPE PUBLIC (EA)	TYPE RES. (EA)	TYPE COMM. (EA)	WIDTH (FT)	REMARKS
F17	'D' 104+25	31.5' RT		1		50.7	DRIVEWAY CURB CUT
F17	'D' 104+60	20.0' LT		1		52.0	GUTTER
F18	'D' 105+05	31.5' RT		1		31.8	DRIVEWAY CURB CUT
F18	'D' 105+50	31.5' RT		1		15.9	DRIVEWAY CURB CUT
F18	'D' 106+00	20.0' LT		1		33.1	GUTTER
F18	'D' 106+50	31.5' RT		1		14.9	3" MODIFIED CURB
F18	'D' 106+65	20.0' LT		1		46.9	GUTTER
F18	'D' 107+70	31.5' RT		1		14.8	3" MODIFIED CURB
			13	57	0		
		TOTAL:		70		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	23.0[illegible]' RT	[illegible]	
1611	'D' 41+62	22.0[illegible]	[illegible]	
1612	'D' 38+67	[illegible].00' [illegible]	1	
1613	[illegible]D' 33+90	22[illegible]0' R[illegible]	1	
16[illegible]	[illegible] 30+41	28.[illegible]' RT	1	
1615	'D' [illegible]6+64	29.00' RT	1	
161[illegible]	'D' 20[illegible]95	30.00' LT	1	
		TOTAL:	16	E[illegible]

642.0007.0000 REPLACE EXISTING WITH SECONDARY MONUMENT

POINT #	STATION	OFFSET	QUANTITY (EA)	REMARKS
1016	'D' 76+0[illegible].30	35.06' LT	1	
1027	'D' 70+4[illegible].41	33.02' RT	1	
10[illegible]	'D' 70+44.[illegible]2	33.3[illegible]' RT	1	
1029	'D' 70+14.15	[illegible]2.97' RT	1	
103[illegible]	'D' 71+94.57	34.79' RT	1	
[illegible]32	[illegible]+68.31	33.56' RT	1	
10[illegible]3	'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	
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:	19	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' R[illegible]	[illegible]	
1064	'D' 105+40.14	[illegible] RT	[illegible]	
1106	'D' 71+88.3[illegible]	117.43' [illegible]	1	
1107	'D' [illegible]3+20.[illegible]	128.12' R[illegible]	1	
1132	'D' 6[illegible]48.5	68.67' L[illegible]	1	
[illegible]3	'D' 26+[illegible].91	[illegible] RT	1	
1156	'D' 43+11[illegible]2	36.18' RT	1	
1159	[illegible]' 45+21.27	36.65' RT	1	
		TOTAL:	19	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	EA

642.2027.0000 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

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STATE OF ALASKA
49 TH
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Aug 05, 2021
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

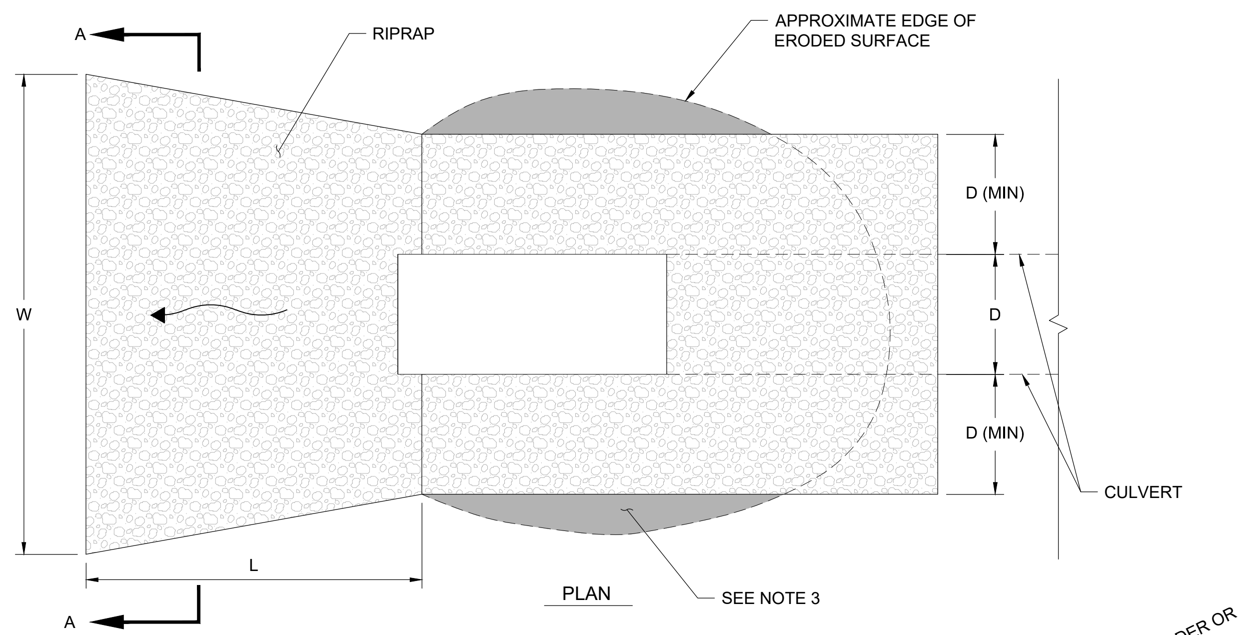
JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

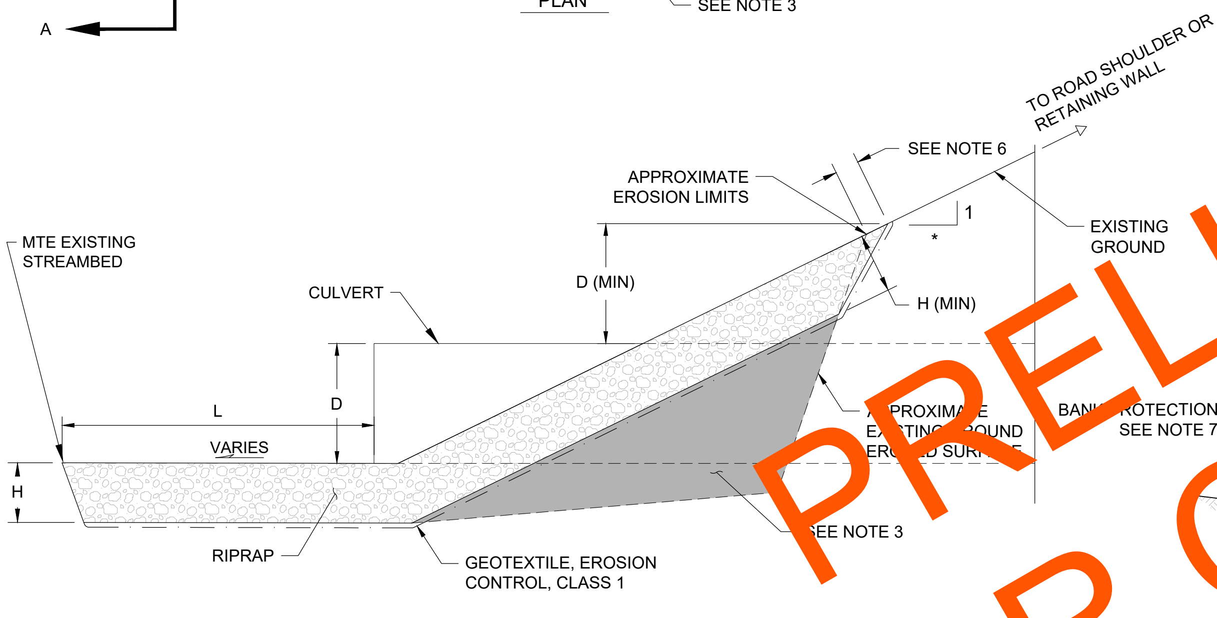
SUMMARY TABLES

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SU-D-70897.dwg | DATE 8/5/2021 17:47 | LAYOUT D7 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

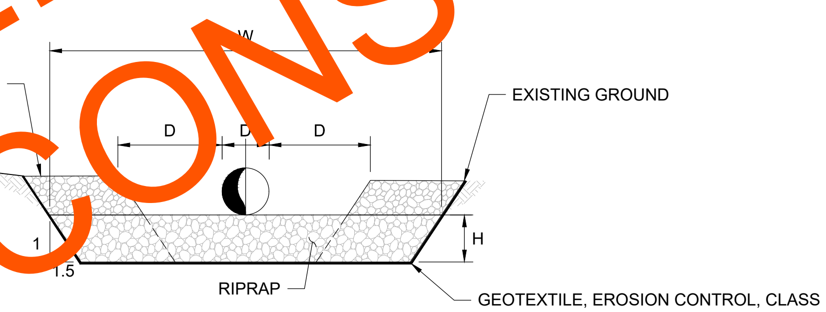
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	E1	E5

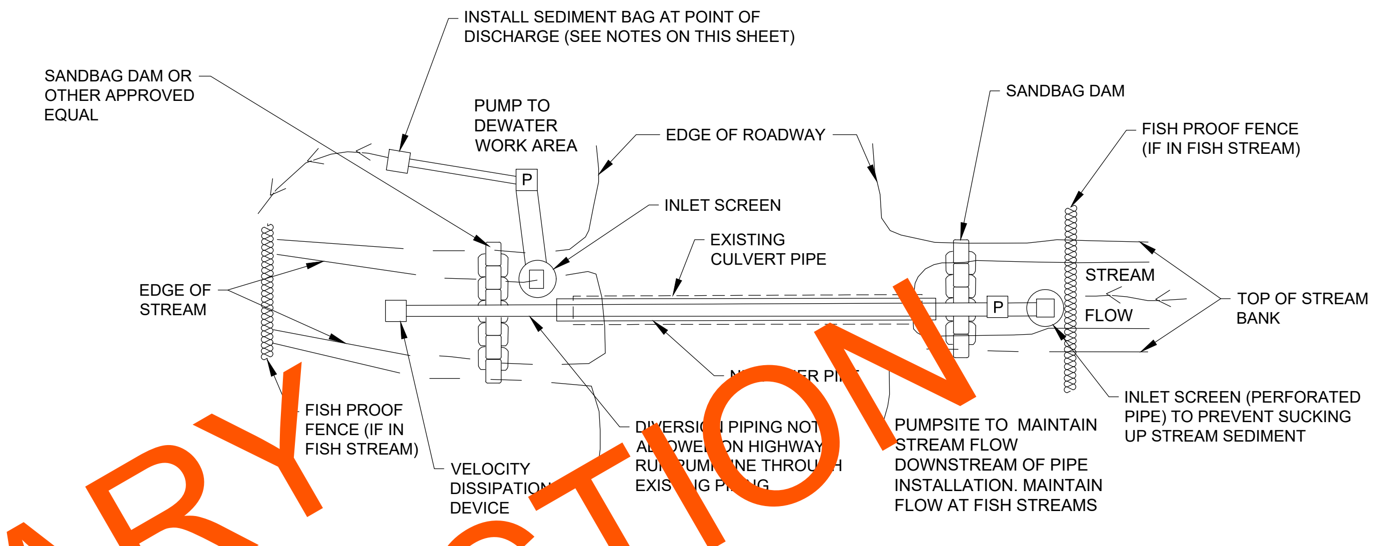




RIPRAP SLOPE PROTECTION

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.
2. P5-5 AND P6-1 (STA 45+20) WILL SHARE AN OUTLET APRON.
3. P10-3 AND P10-4 (STA 69+40) WILL SHARE AN OUTLET APRON

SPECIAL OUTLET APRON SUMMARY

PIPE ID	RIPRAP CLASS	D (IN)	L (FT)	W (FT)	H (FT)
P4-2	I	24	14	14	2
P5-2	I	24	14	14	2
P5-4	I	24	14	14	2
P6-1	I	24	18	16	2
P6-7	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
P9-1	II	18	13	13	3
P10-2	I	24	14	14	2
P10-3	I	24	14	14	2
P11-3	II	24	18	16	3
P11-4	I	24	14	14	2
P12-4	I	24	14	14	2
P14-5	I	24	14	14	2
P14-4	I	24	14	14	2
P15-1	I	24	14	14	2
P15-2	I	24	14	14	2
P15-7	I	24	14	14	2
P16-3	II	36	25	23	3
P17-3	II	24	18	16	3
P17-8	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.

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DETAILS

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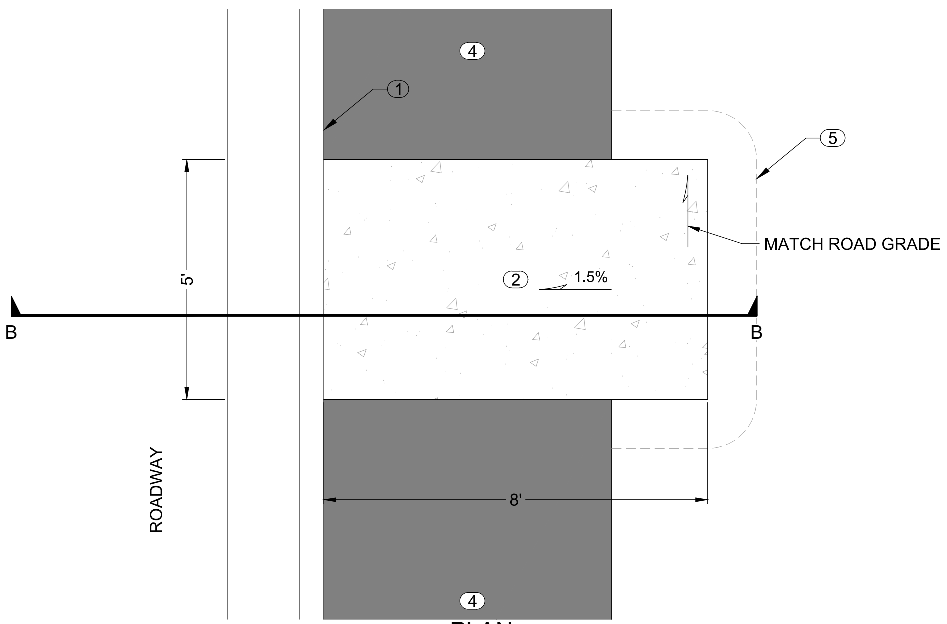
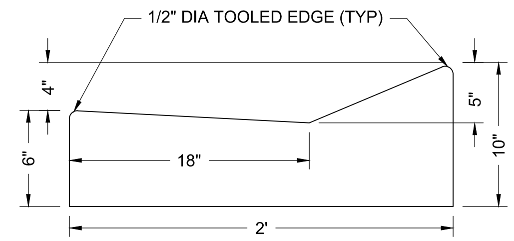
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-DT-E-70897.dwg | DATE 7/27/2021 17:22 | LAYOUT E1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

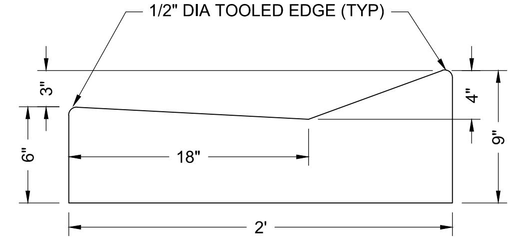
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	E2	E5



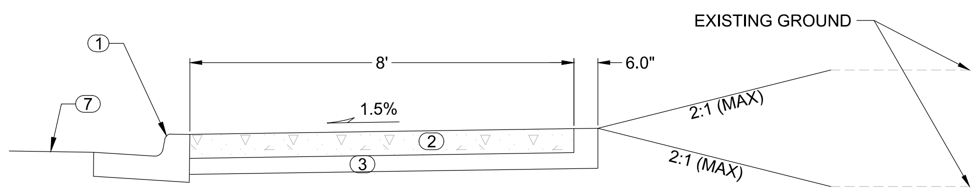
PLAN



4-INCH CURB AND GUTTER
NTS

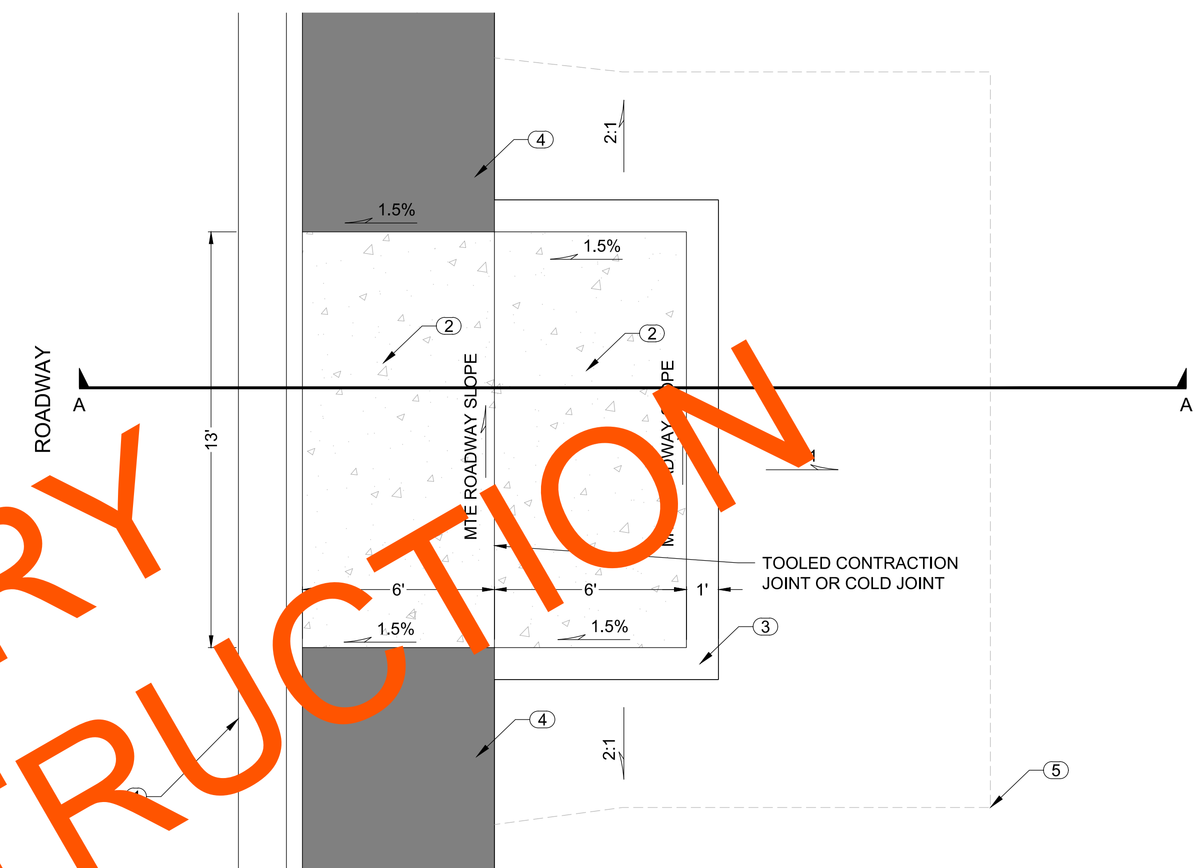


3-INCH CURB AND GUTTER
NTS



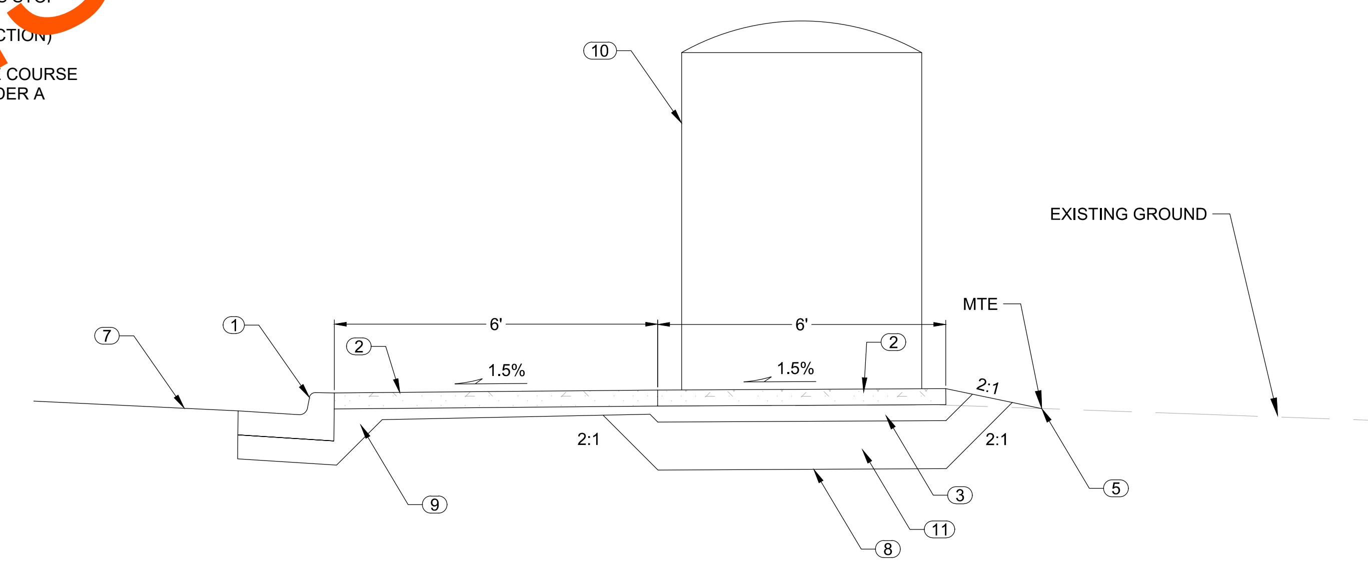
SECTION B-B

BUS STOP LANDING DETAIL
NTS



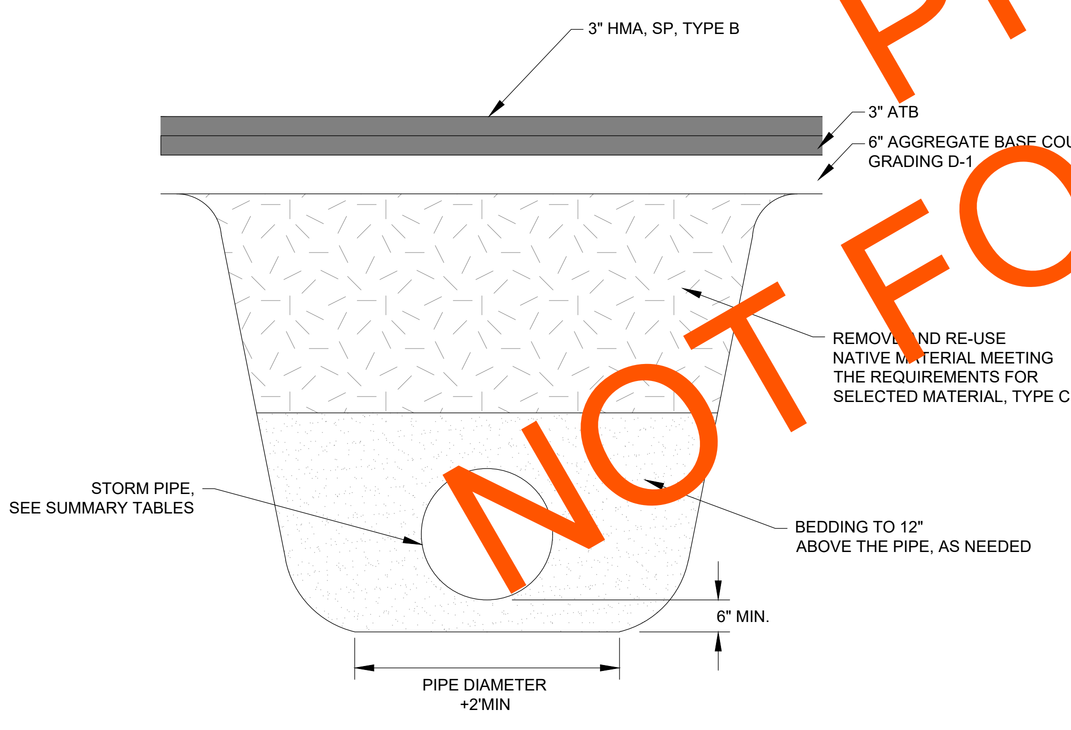
PLAN

NOTES:
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



SECTION A-A

BUS STOP SHELTER PAD DETAIL
NTS



STORM DRAIN TRENCH
NTS

PRELIMINARY
NOT FOR CONSTRUCTION

PLANS DEVELOPED BY:
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PHONE 907-780-3533
#AECL848

STATE OF ALASKA
49 TH
Ryan A. Stephens
Aug 05, 2021
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

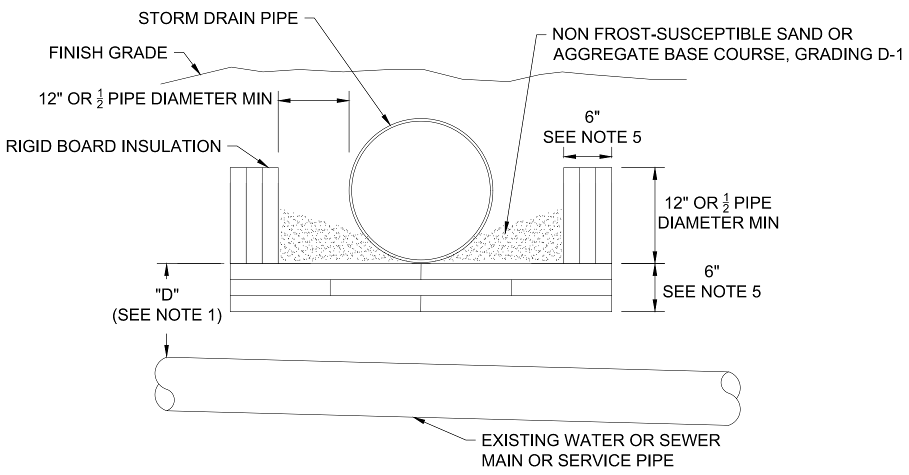
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

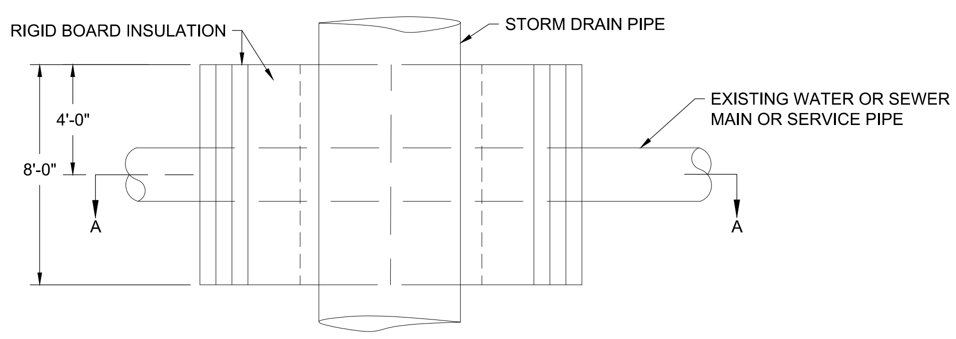
DETAILS

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-CT-DT-E-70897.dwg | DATE 7/27/2021 17:22 | LAYOUT E2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	E3	E5



SECTION A-A

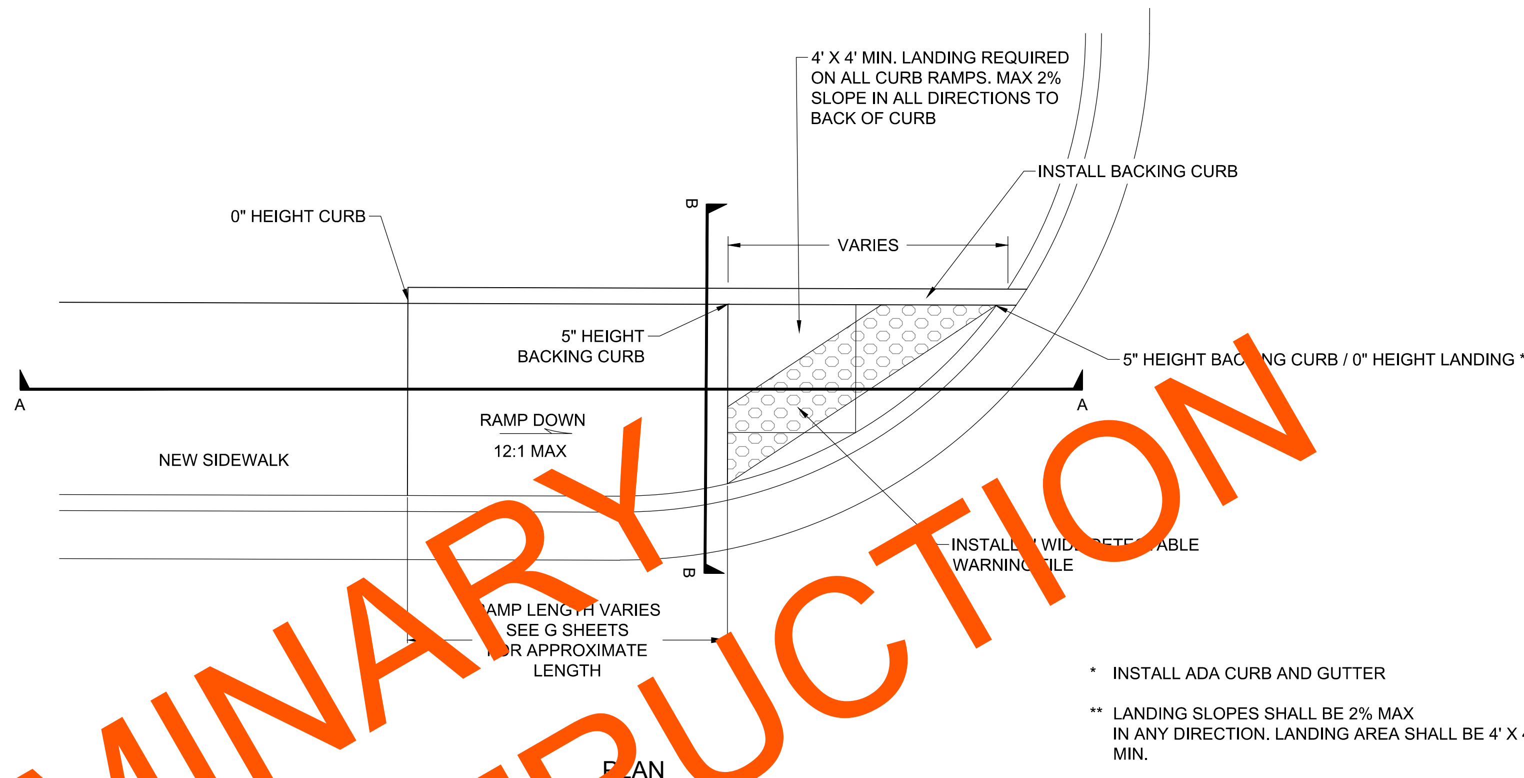


PLAN

RIGID INSULATION DETAIL
NTS

NOTES:

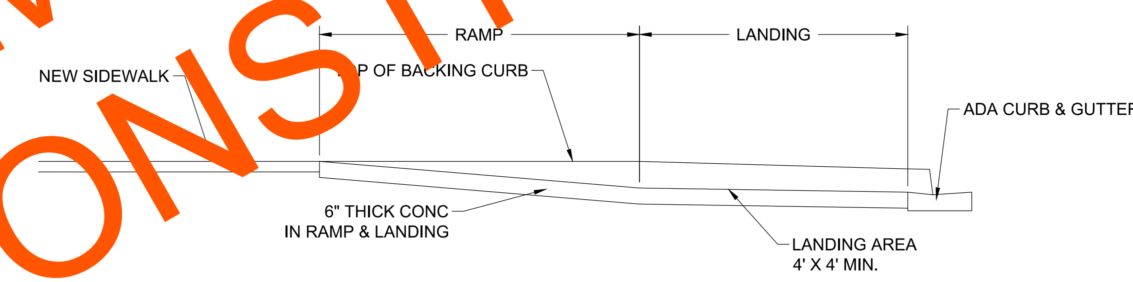
1. INSTALL INSULATION AS SHOWN WHEN "D" IS LESS THAN 3-0" FOR WATER PIPE OR 18" FOR SEWER PIPE.
2. INSULATION SHALL CONFORM TO SECTION 635 OF THE STANDARD SPECIFICATIONS.
3. PIPE INSULATION SHALL BE 8'-0" IN LENGTH, CENTERED OVER EXISTING WATER OR SEWER PIPE.
4. PIPE INSULATION WITH R-FACTOR EQUAL TO 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.



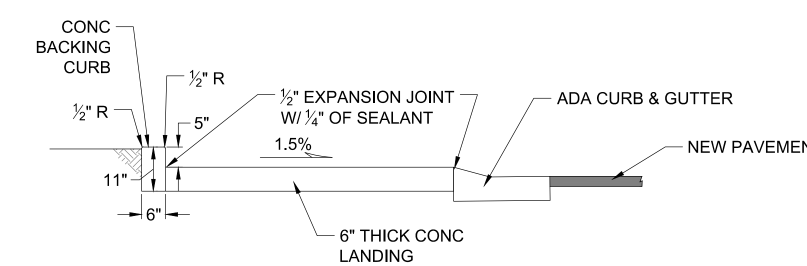
* INSTALL ADA CURB AND GUTTER

** LANDING SLOPES SHALL BE 2% MAX IN ANY DIRECTION. LANDING AREA SHALL BE 4' X 4' MIN.

PLAN
NTS

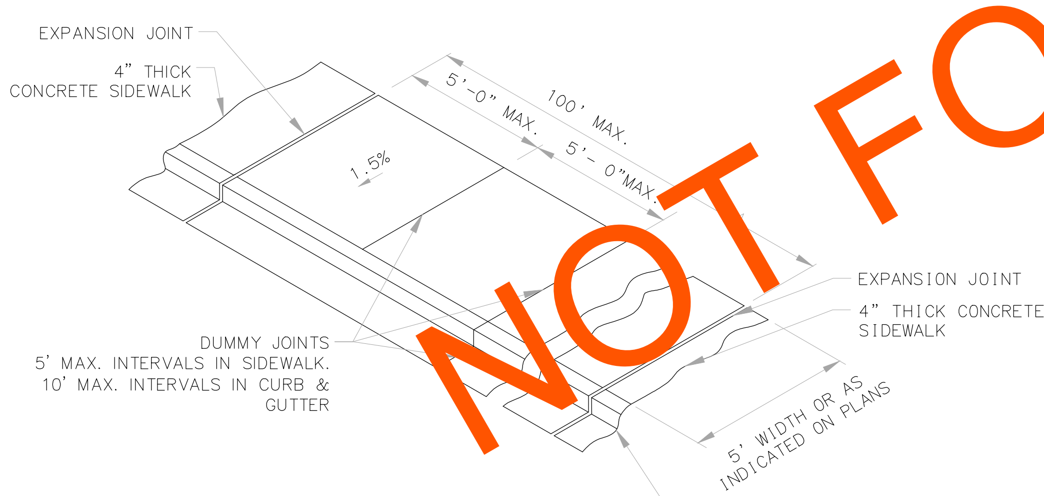


SECTION A-A
NTS

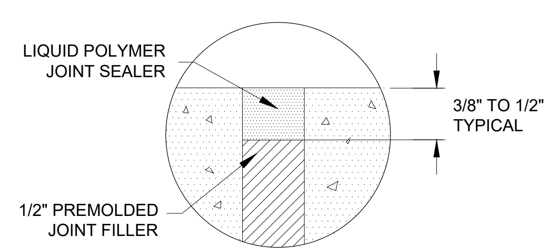


SECTION B-B
NTS

ADA RAMP WITH BACKING CURB DETAIL
NTS



TYPICAL SIDEWALK, CURB AND GUTTER
NTS



EXPANSION JOINT DETAIL
NTS

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STATE OF ALASKA
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

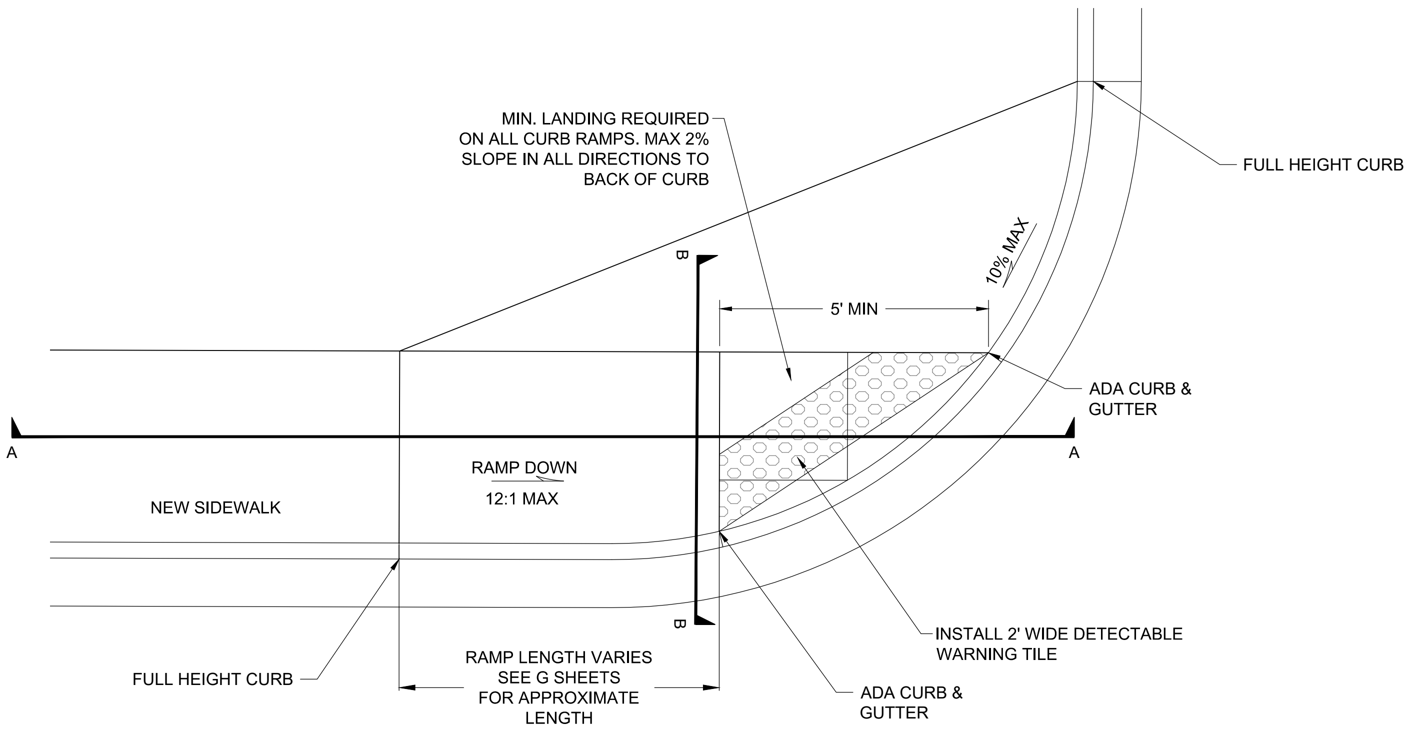
JNU DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II

DETAILS

FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-DT-E-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 7/27/2021 17:22 | LAYOUT E3
PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848 | DRAFTED LAFAVOUR

NO.	DATE	REVISION

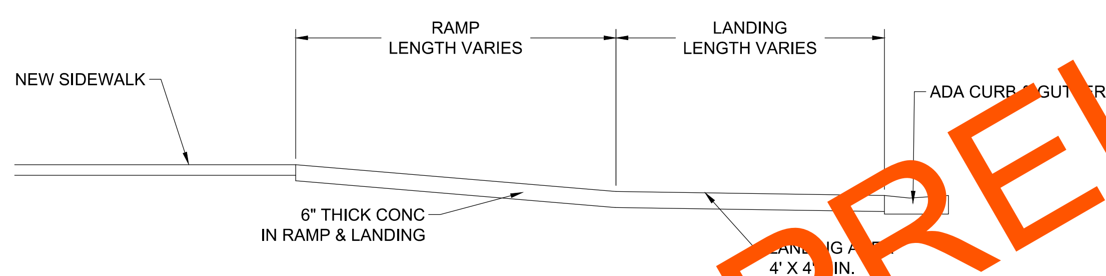
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	E4	E5



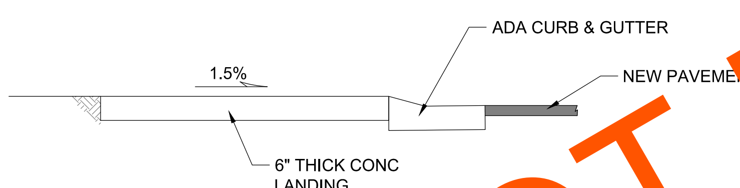
* INSTALL ADA CURB AND GUTTER

** LANDING SLOPES SHALL BE 2% MAX IN ANY DIRECTION. LANDING AREA SHALL BE 4' X 4' MIN.

PLAN
NTS

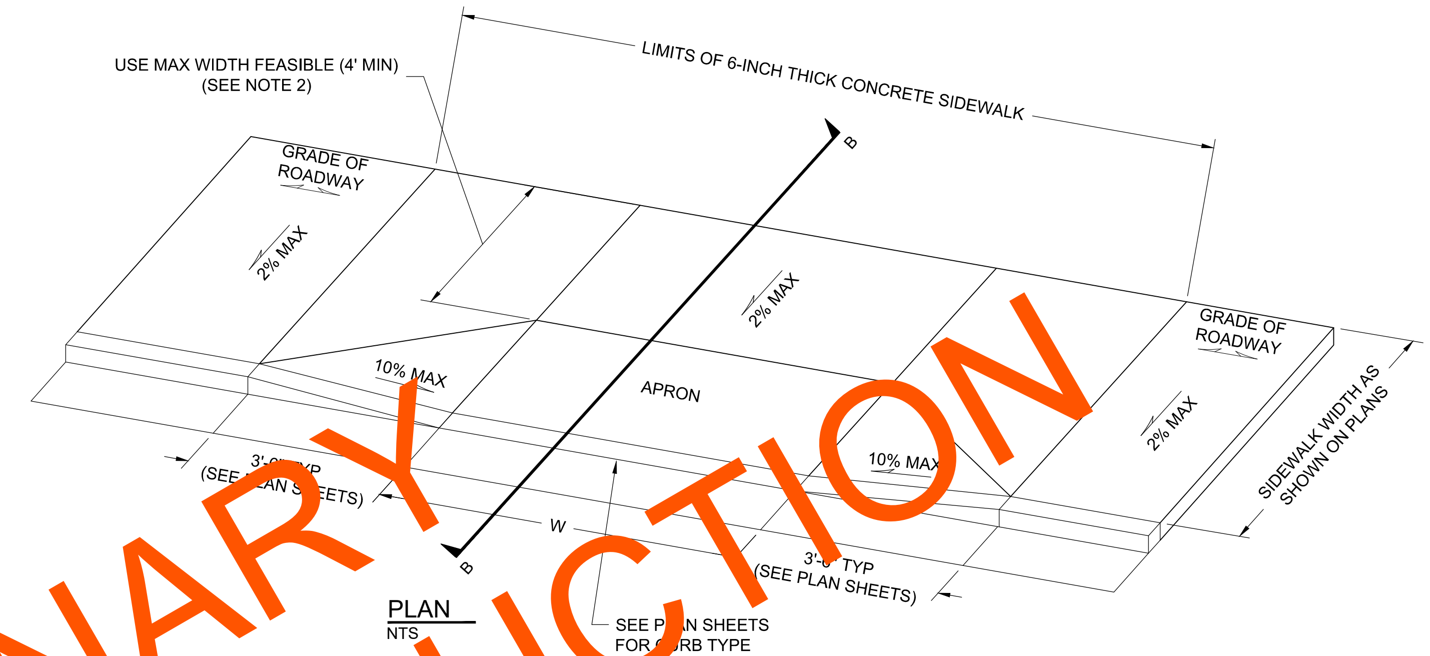


SECTION A-A
NTS

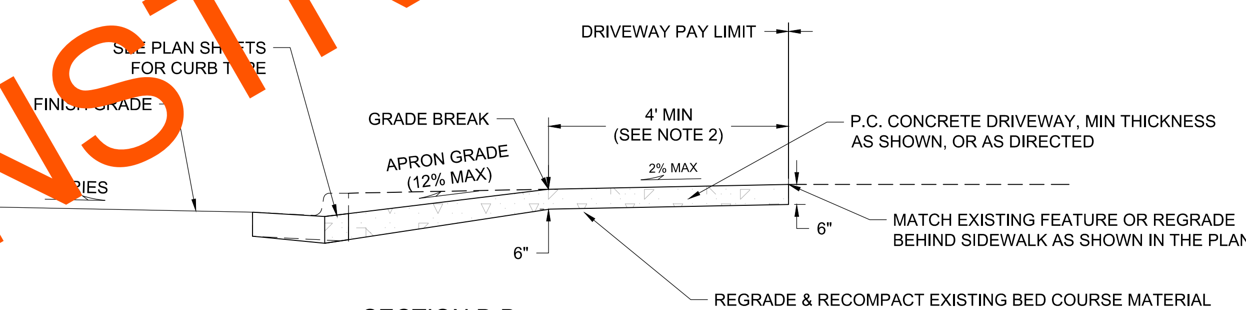


SECTION B-B
NTS

ADA RAMP DETAIL
NTS



PLAN
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 (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.

PLANS DEVELOPED BY:
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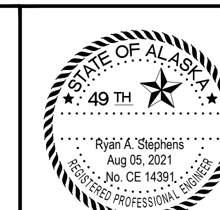


STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

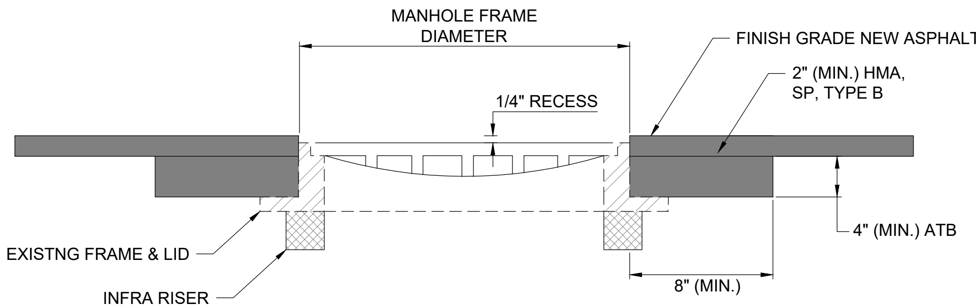
JNU DOUGLAS HIGHWAY PM CONSTRUCTION STAGE II

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-CT-DT-E-70897.dwg | DATE 7/27/2021 17:22 | LAYOUT E4 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	E5	E5



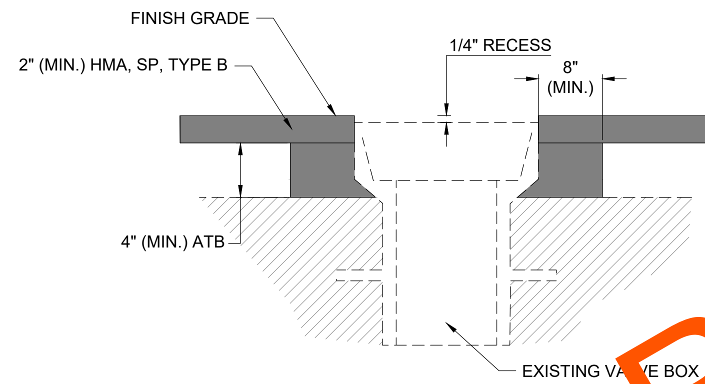
ADJUSTMENT NOTES:

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

CONSTRUCTION SEQUENCING NOTES:

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

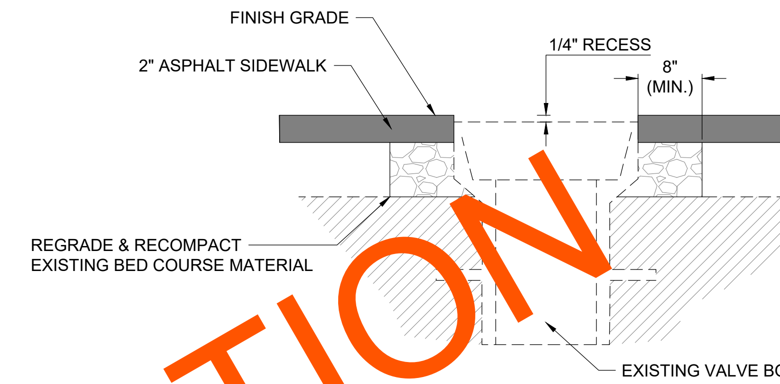
SANITARY SEWER MANHOLE DETAIL IN ROADWAY
NTS



* MATCH ROADWAY CROSS SLOPE

VALVE BOX ADJUSTMENT DETAIL IN ROADWAY
NTS

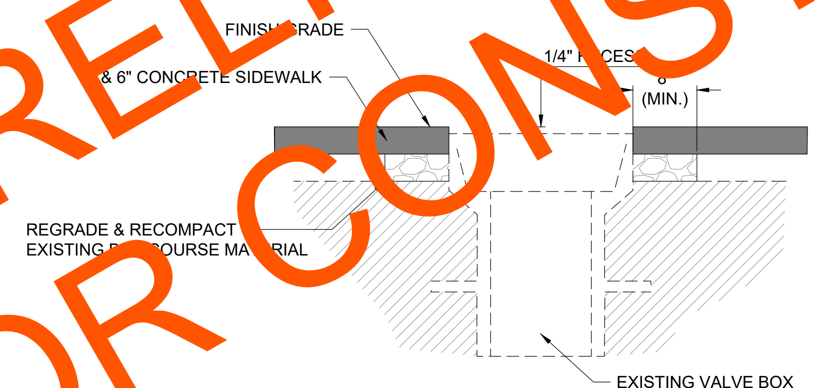
RECESS TOLERANCE: +1/8", -0"



* MATCH SIDEWALK CROSS SLOPE

VALVE BOX ADJUSTMENT DETAIL IN ASPHALT SIDEWALK
NTS

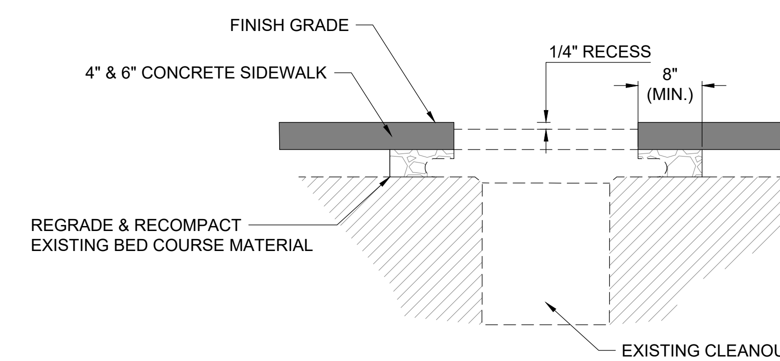
RECESS TOLERANCE: +1/8", -0"



* MATCH SIDEWALK CROSS SLOPE

VALVE BOX ADJUSTMENT DETAIL IN CONCRETE SIDEWALK
NTS

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



* MATCH SIDEWALK CROSS SLOPE

SANITARY SEWER CLEANOUT ADJUSTMENT
NTS

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

PLANS DEVELOPED BY:
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#AECL848

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

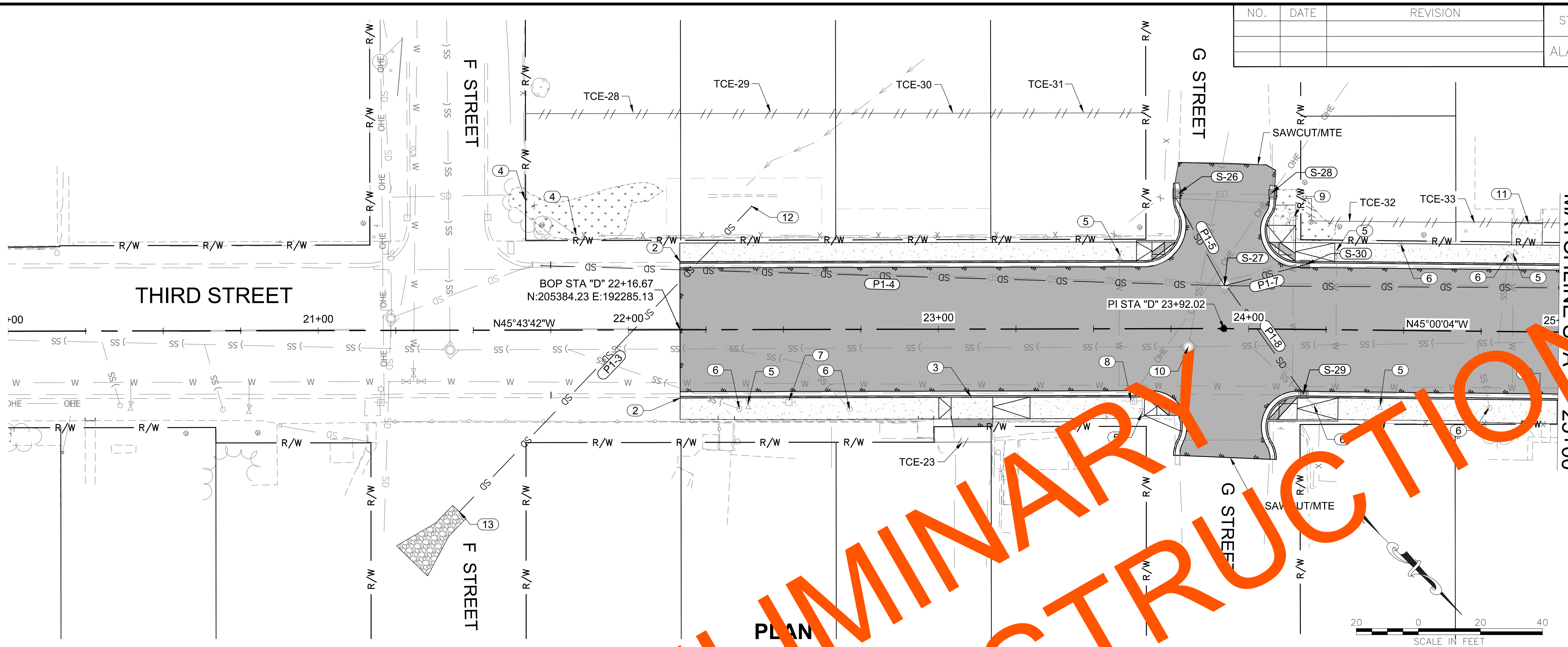
JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

DETAILS

FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-DT-E-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 7/27/2021 17:22 | LAYOUT E5
PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848 | DRAFTED LAFAVOUR

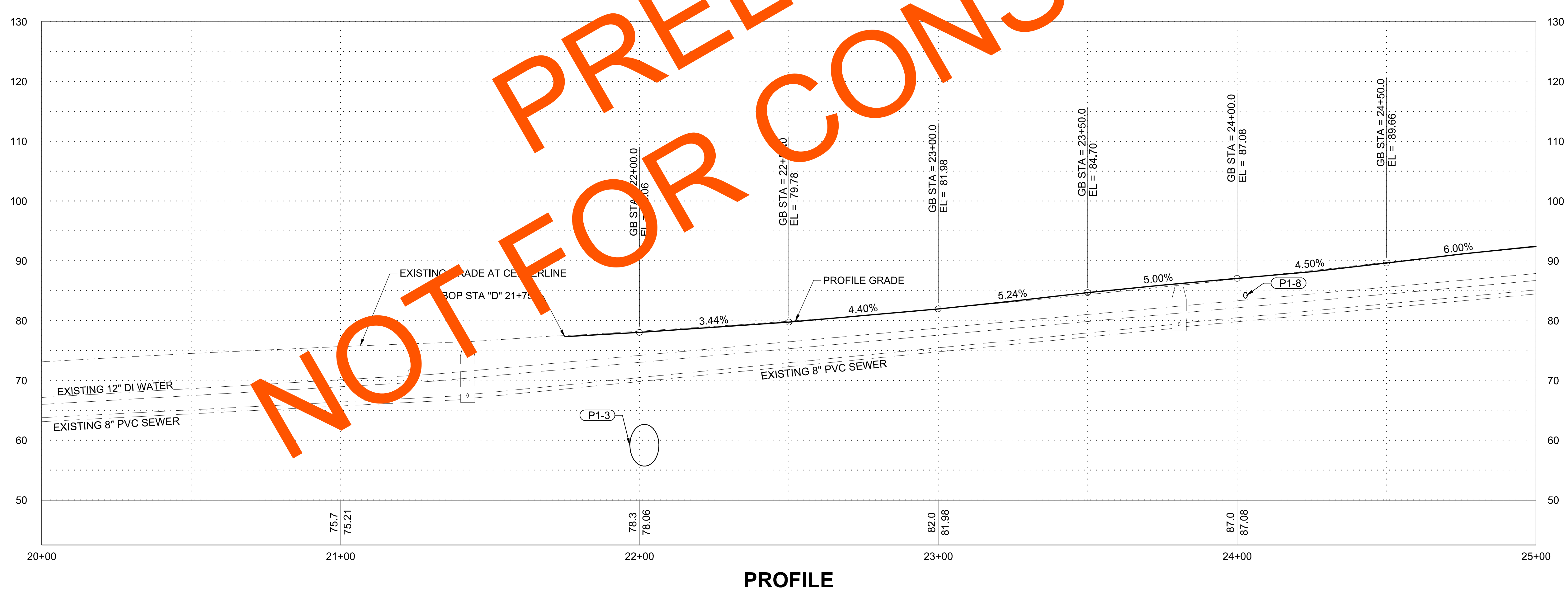
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	F1	F18



PLAN NOTES (X):

1. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING
2. STA "D" 21+75 LT/RT. BEGIN REPLACE STANDARD CURB AND GUTTER. BEGIN REPLACE CONCRETE SIDEWALK, 4" THICK
3. INSTALL DRIVEWAY CURB CUT ACROSS DRIVEWAY
4. STA "D" 21+67 LT TO STA "D" 21+83 LT. REMOVE EXISTING CHAIN-LINK FENCE BETWEEN CORNER POSTS TO ACCESS AND MAKE REPAIRS TO P1-3. REMOVE AND DISPOSE OF EXISTING TREE AT FENCE LINE AS NEEDED
5. ADJUST WATER VALVE BOX TO GRADE
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 SEWER MANHOLE 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
13. PLACE RIPRAP CLASS 1 AT OUTFALL OF P1-3 FOR APPROXIMATELY 14 FEET TOWARDS THE EXISTING LOG WEIR AND TO BANKS OF THE CHANNEL. THIS WILL BE A FIELD FIT AS DIRECTED BY THE ENGINEER. NO EXCAVATION WILL BE REQUIRED



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 OVER 20 FEET MAX

PLANS DEVELOPED BY:
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STATE OF ALASKA
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Aug 05, 2021
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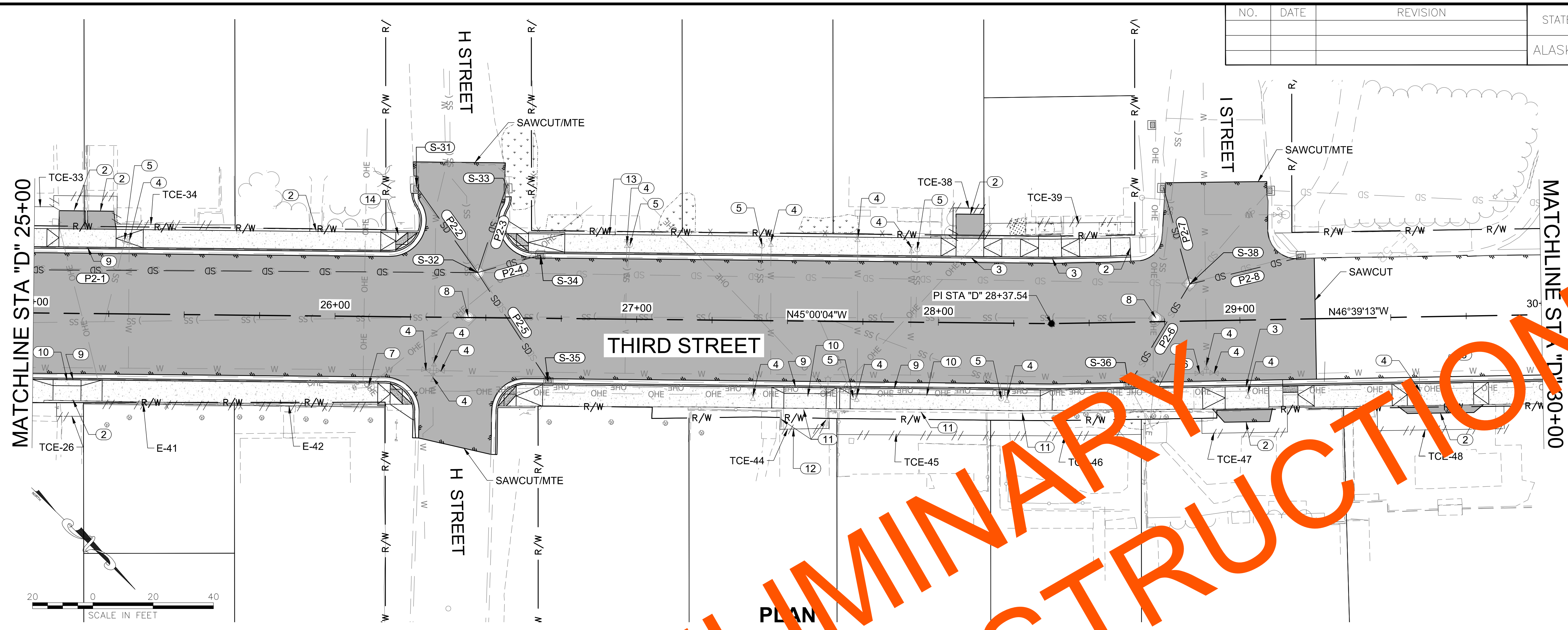
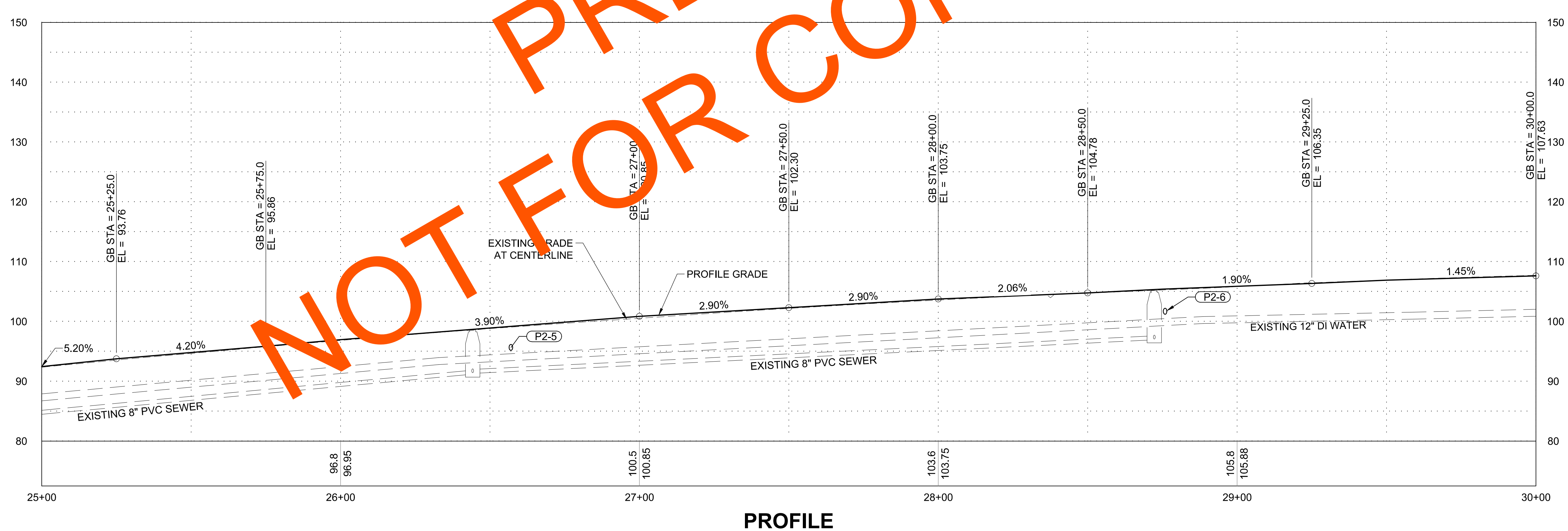
FIRM DOWL
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
PHONE (907) 780-3533
CERTIFICATE OF AUTH #: AECL848
DATE 8/5/2021 18:31
LAYOUT F1
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	F2	F18



PLAN NOTES (X):

1. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING
2. MATCH EXISTING
3. INSTALL 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 SEWER MANHOLE TO GRADE
9. INSTALL 3" CURB AND GUTTER ACROSS DRIVEWAY
10. INSTALL MODIFIED DRIVEWAY CURB CUT ACROSS DRIVEWAY
11. PRESERVE AND PROTECT EXISTING CONCRETE RETAINING WALLS
12. PRESERVE AND PROTECT EXISTING BLOCK RETAINING WALL
13. MATCH BACK OF SIDEWALK TO BOTTOM OF STEPS
14. REMOVE AND DISPOSE OF EXISTING CLEANOUT FOR UNDERDRAIN. PLUG END OF UNDERDRAIN WITH GROUT



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 OVER 20 FEET MAX

PLANS DEVELOPED BY:
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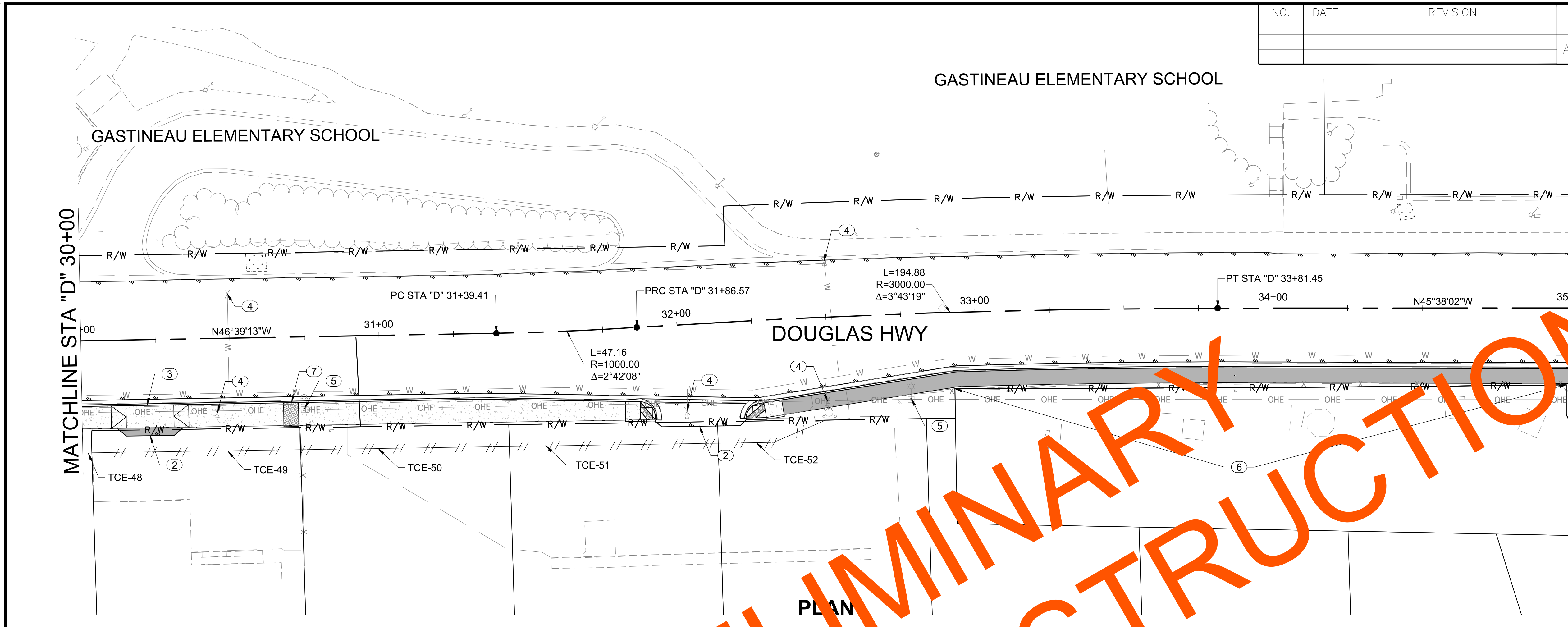
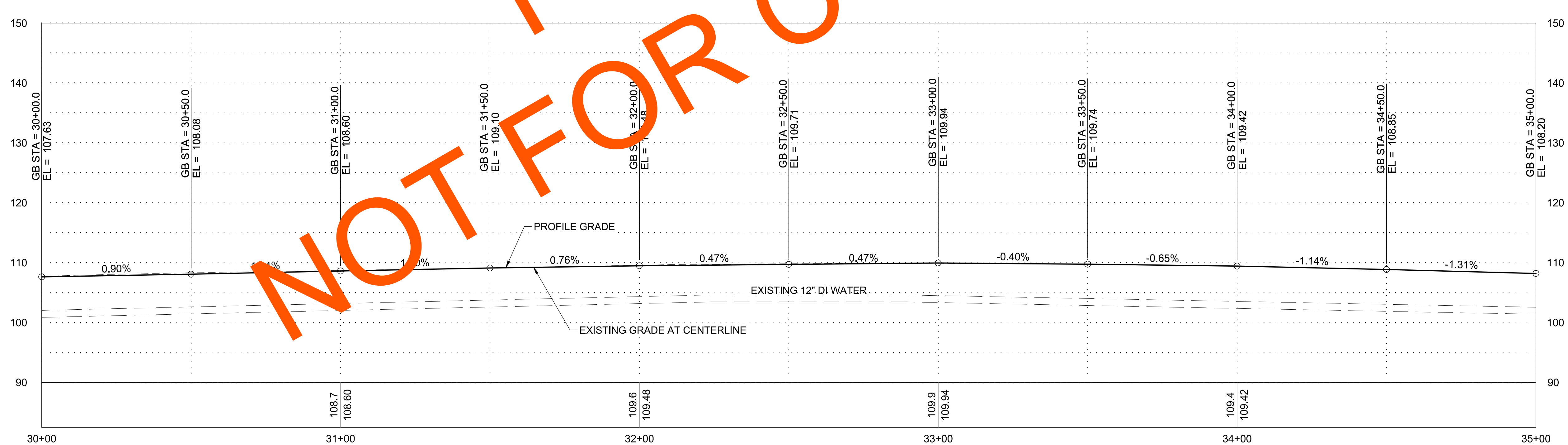
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	F3	F18



PLAN NOTES (X):

1. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING
2. MATCH EXISTING
3. INSTALL DRIVEWAY CURB CUT ACROSS DRIVEWAY
4. ADJUST WATER VALVE BOX TO GRADE
5. PRESERVE AND PROTECT EXISTING UTILITY POLE
6. PRESERVE AND PROTECT EXISTING WOOD FENCE
7. INSTALL BUS STOP LANDING. SEE E SHEETS FOR DETAIL



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 OVER 20 FEET MAX
4. ABANDONED WATER LINES NOT SHOWN

PLANS DEVELOPED BY:
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PHONE 907-780-3533
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STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

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 I\Civil\SC-CT-PP-F-70897.dwg | DATE 8/5/2021 18:31 | LAYOUT F3 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

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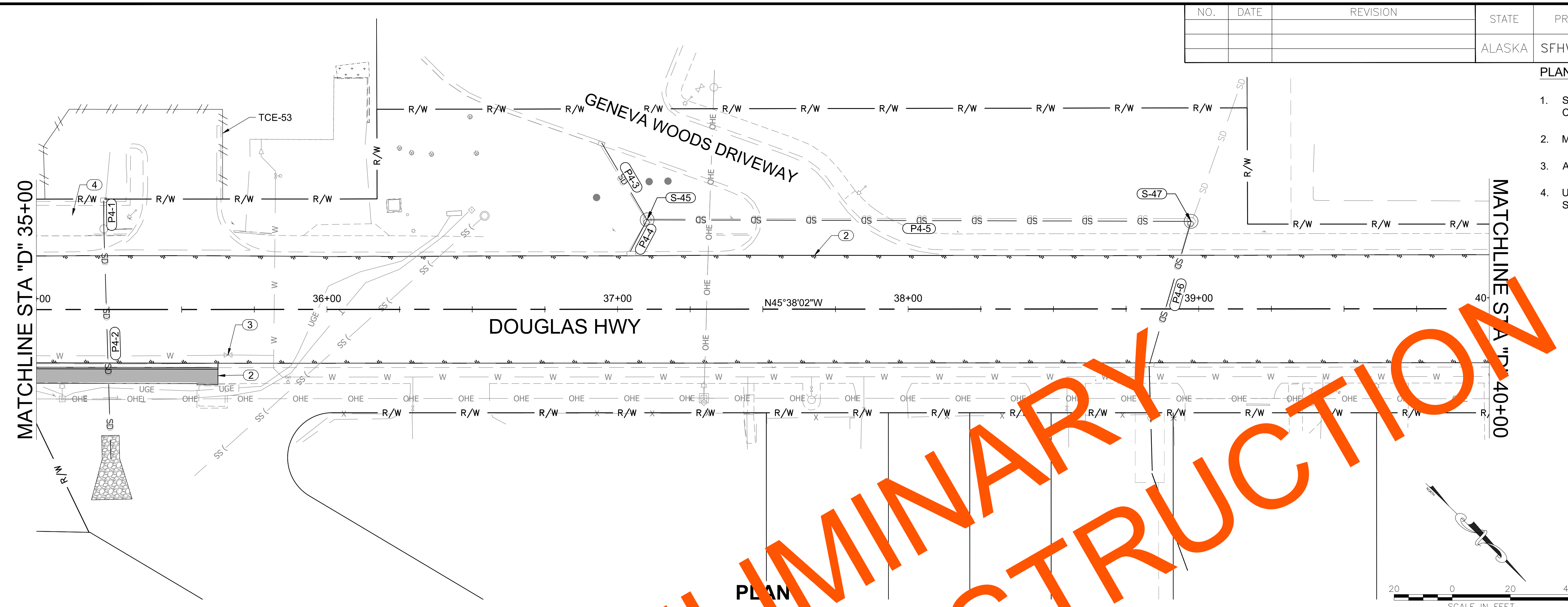
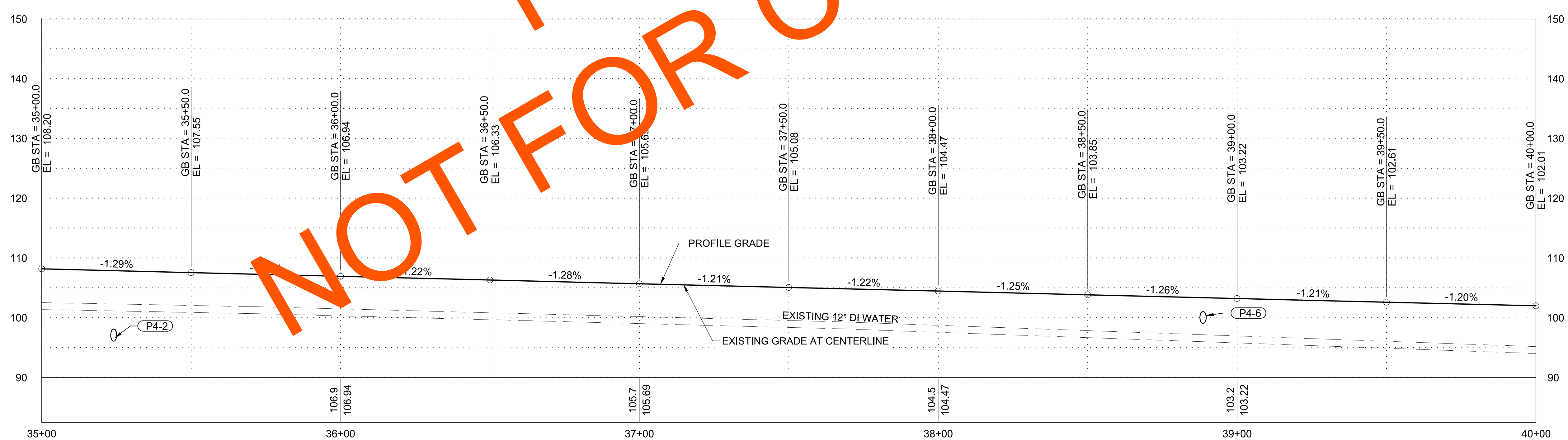


PLAN

PLAN NOTES Ⓧ:

1. SEE G SHEETS FOR INTERSECTION AND CURB RAMP GRADING
2. MATCH EXISTING
3. ADJUST WATER VALVE BOX TO GRADE
4. USE NATIVE VEGETATION FOR STABILIZATION ON DISTURBED AREAS



PROFILE

PROFILE NOTES:

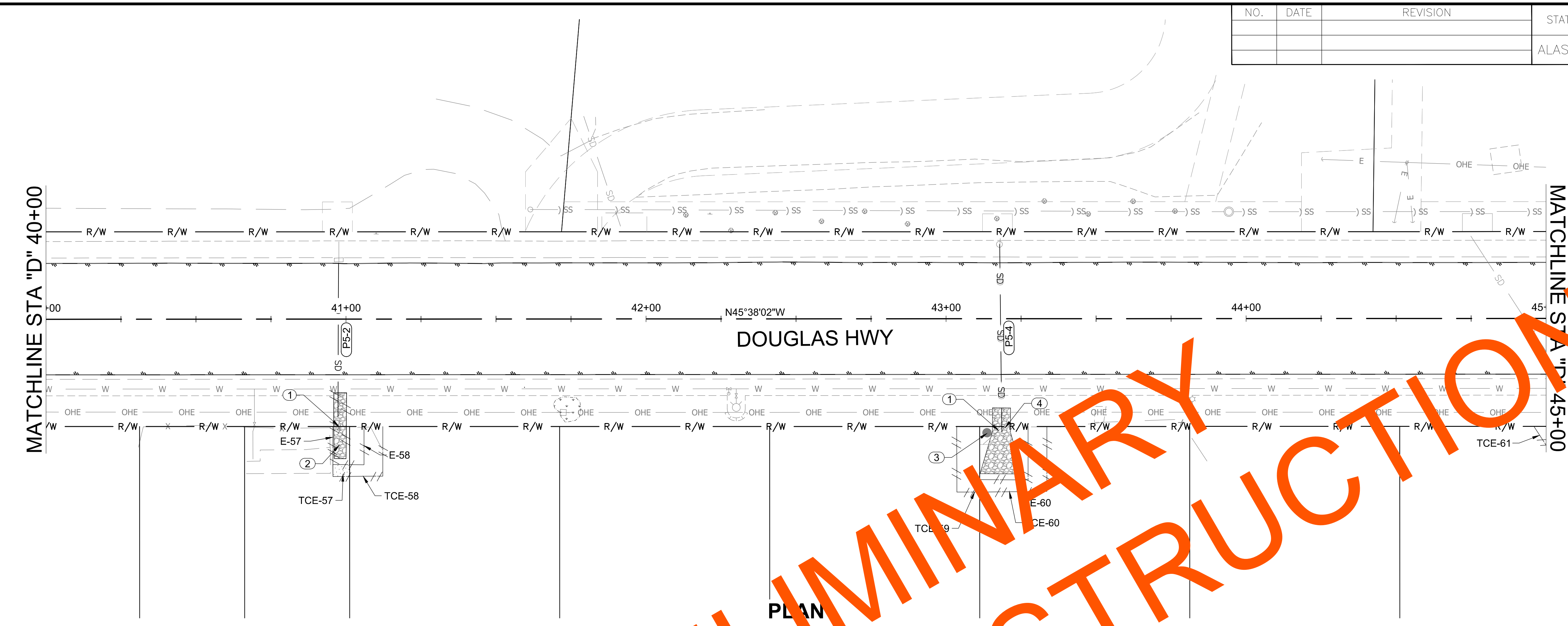
1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS OVER 20 FEET MAX
4. ABANDONED 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
Aug 05, 2021
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
PHONE (907) 780-3533
CERTIFICATE OF AUTH #: AECL848
DATE 8/5/2021 18:31
LAYOUT F4
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	F5	F18



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

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 OVER 20 FEET MAX
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
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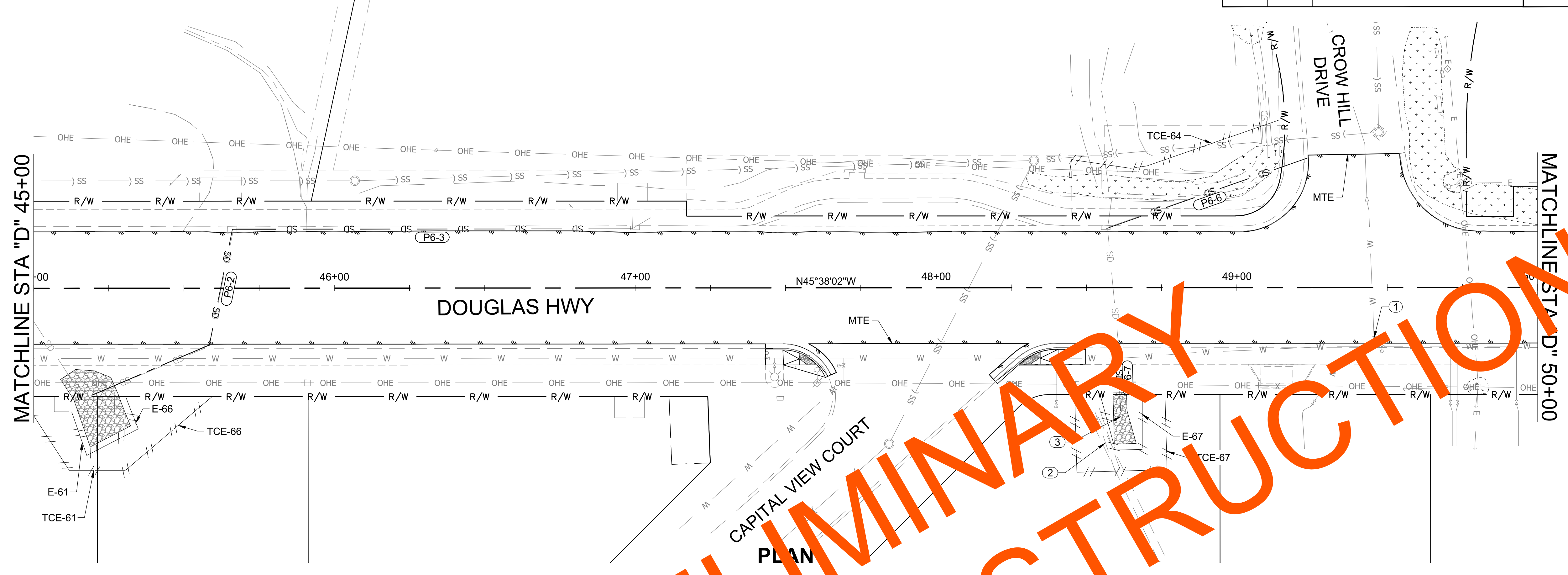
FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 8/5/2021 18:31 | LAYOUT F5
PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
CERTIFICATE OF AUTH #: AECL848

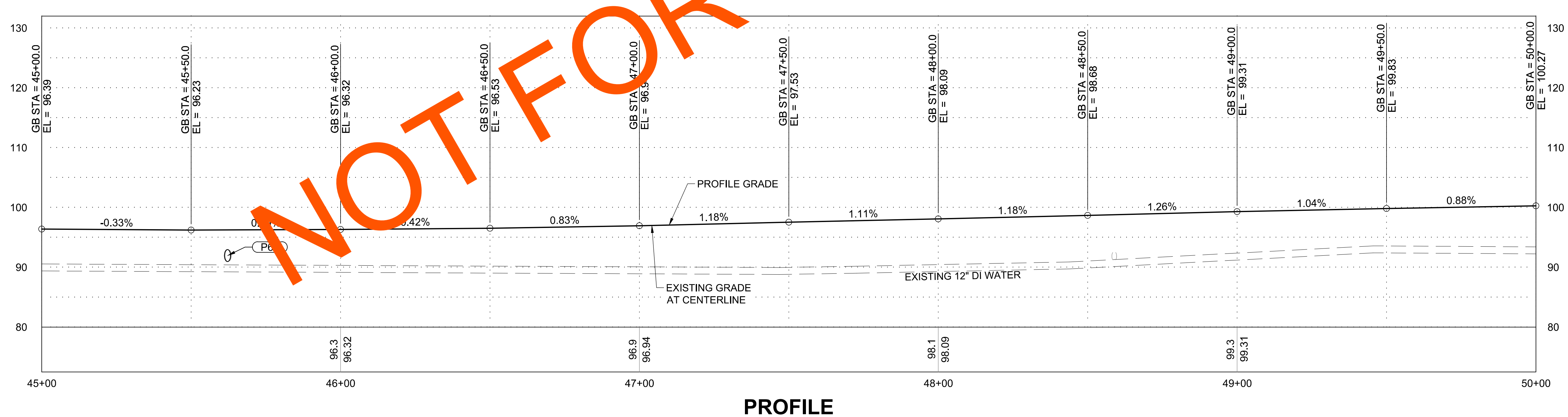
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	F6	F18



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 OTHER DETAILS

20 0 20 40
SCALE IN FEET



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
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4. ABANDONED WATER LINES NOT SHOWN

PLANS DEVELOPED BY:
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9085 GLACIER HWY
JUNEAU, AK 99801
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STATE OF ALASKA 49TH
Ryan A. Stephens
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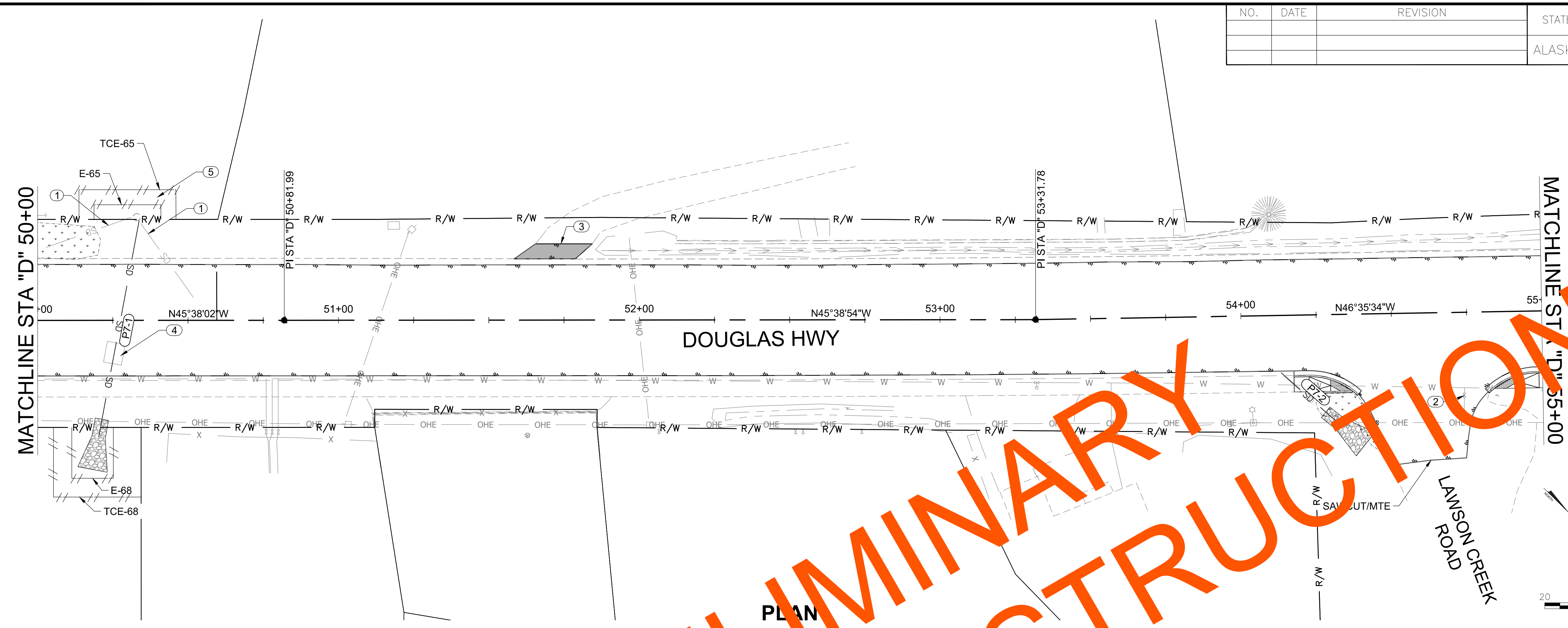
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-PP-F-70897.dwg | DATE 8/5/2021 18:31 | LAYOUT F6 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

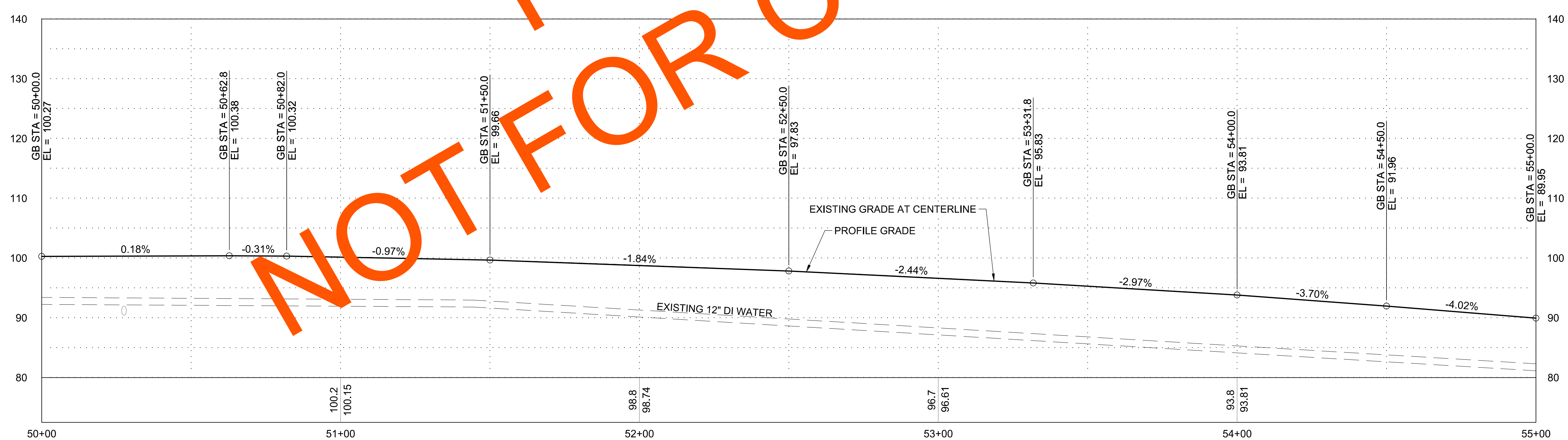
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	F7	F18



PLAN NOTES (X):

1. FILL EXISTING CULVERT WITH CLSM AND ABANDON IN PLACE
2. ADJUST EXISTING WATER VALVE BOX TO GRADE
3. MATCH EXISTING
4. REMOVE AND DISPOSE OF EXISTING CONCRETE PATCH. AMOUNT OF CONCRETE IS ABOUT 7 CY. REPLACE WITH STORM DRAIN TRENCH DETAIL ON SHEET E2
5. USE NATIVE VEGETATION FOR STABILIZATION ON DISTURBED AREAS

PRELIMINARY NOT FOR CONSTRUCTION



PROFILE

PROFILE NOTES:

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PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
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STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

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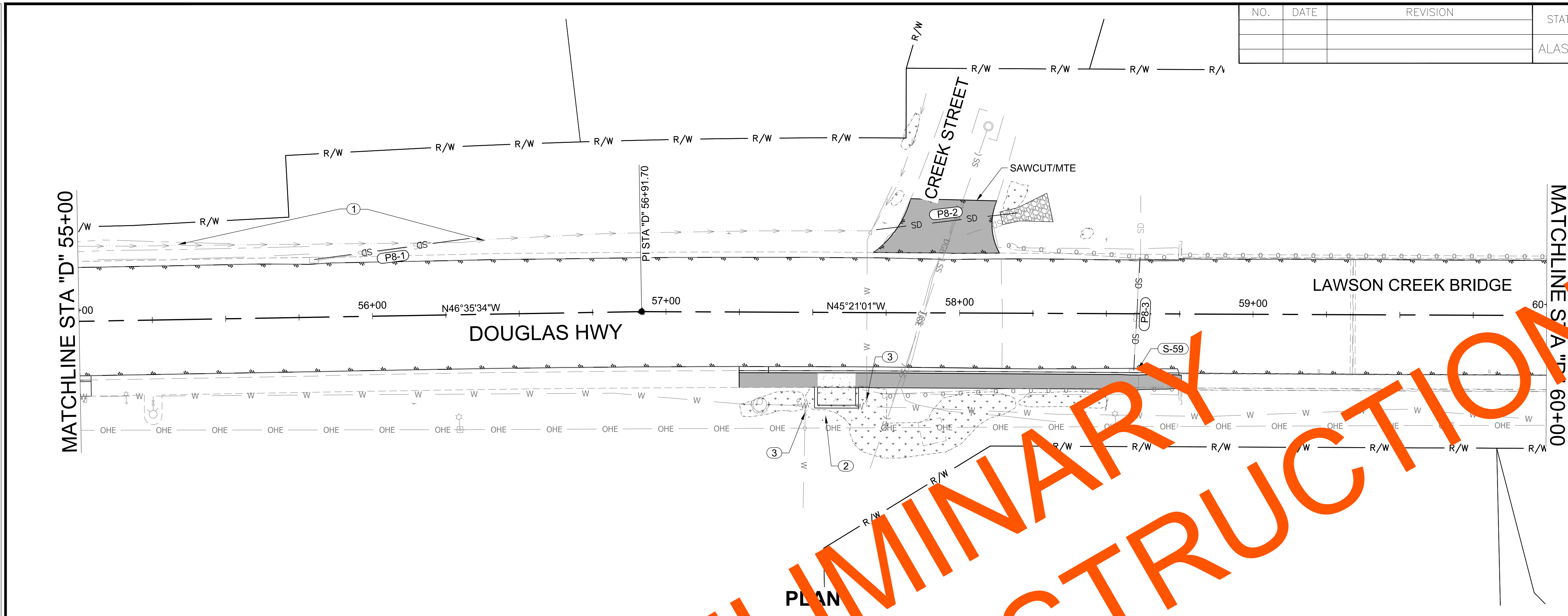
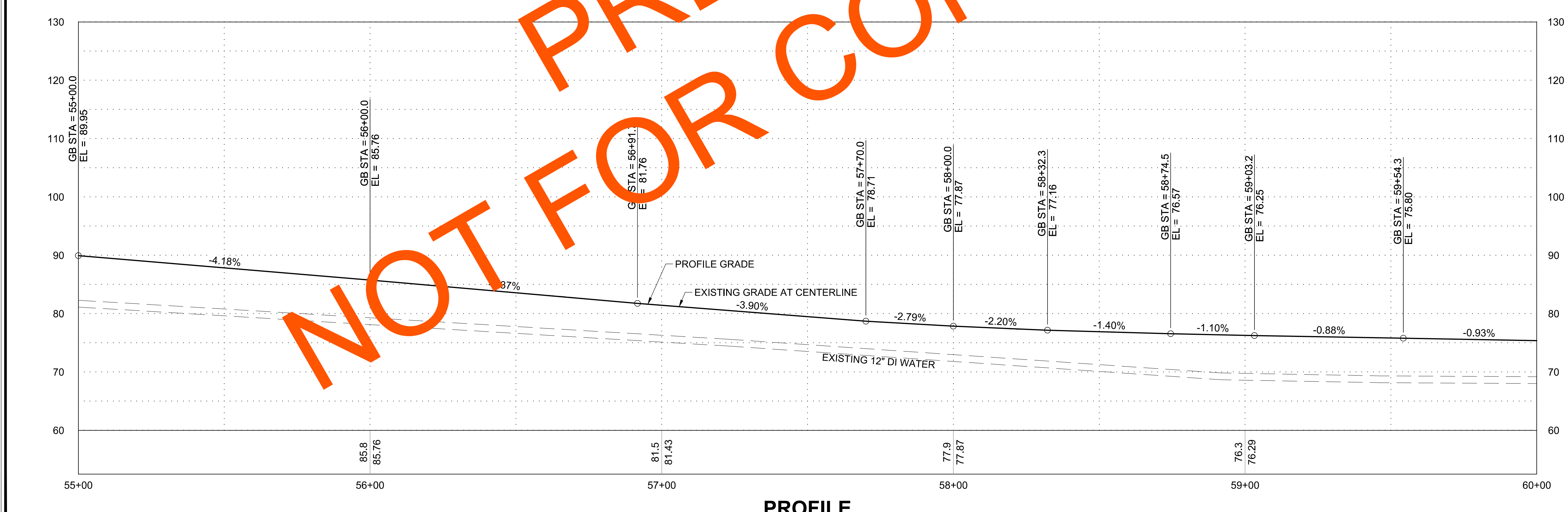
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	F8	F18



PLAN NOTES (X):

1. REGRADE/CLEAN DITCH TO DRAIN TO CULVERT
2. INSTALL BUS STOP SHELTER PAD. SEE E SHEETS FOR DETAILS
3. ADJUST EXISTING WATER VALVE BOX TO GRADE



PROFILE NOTES:

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PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
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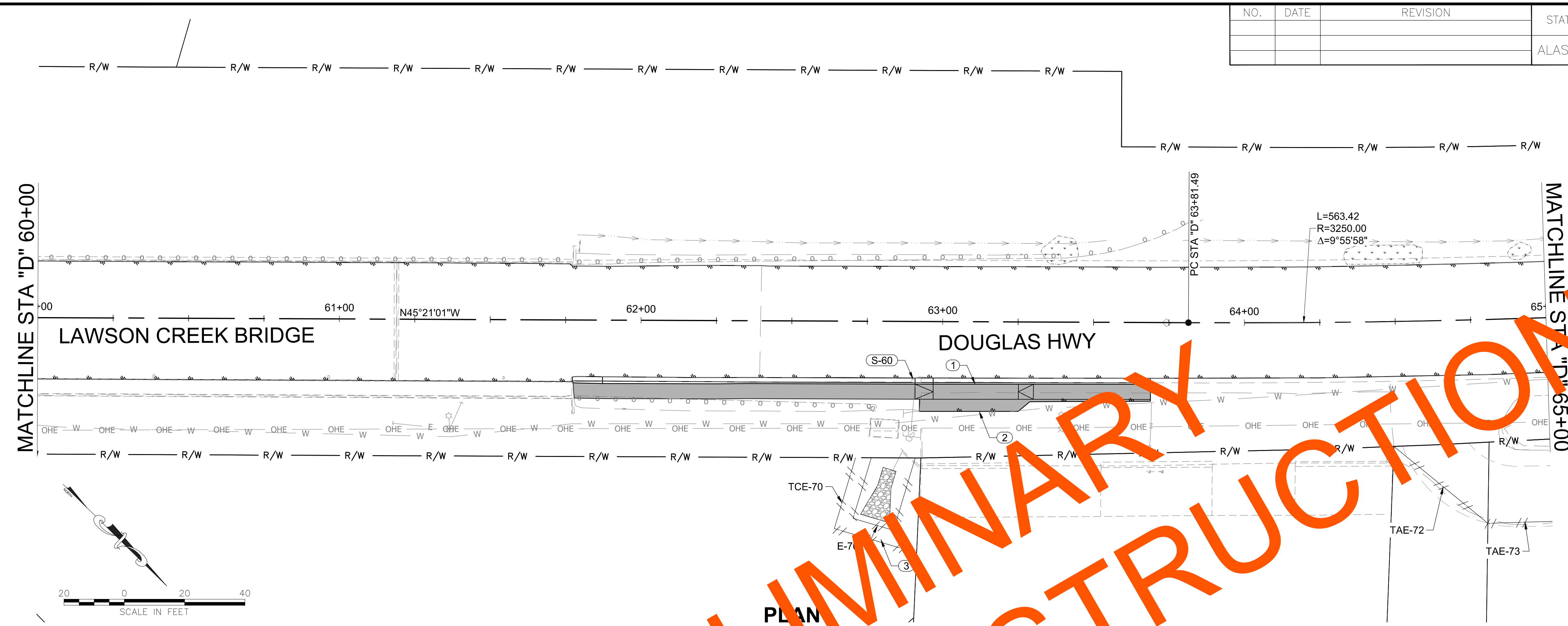
STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

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 I\Civil\SC-CT-PP-F-70897.dwg | DATE 8/5/2021 18:31 | LAYOUT F8 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

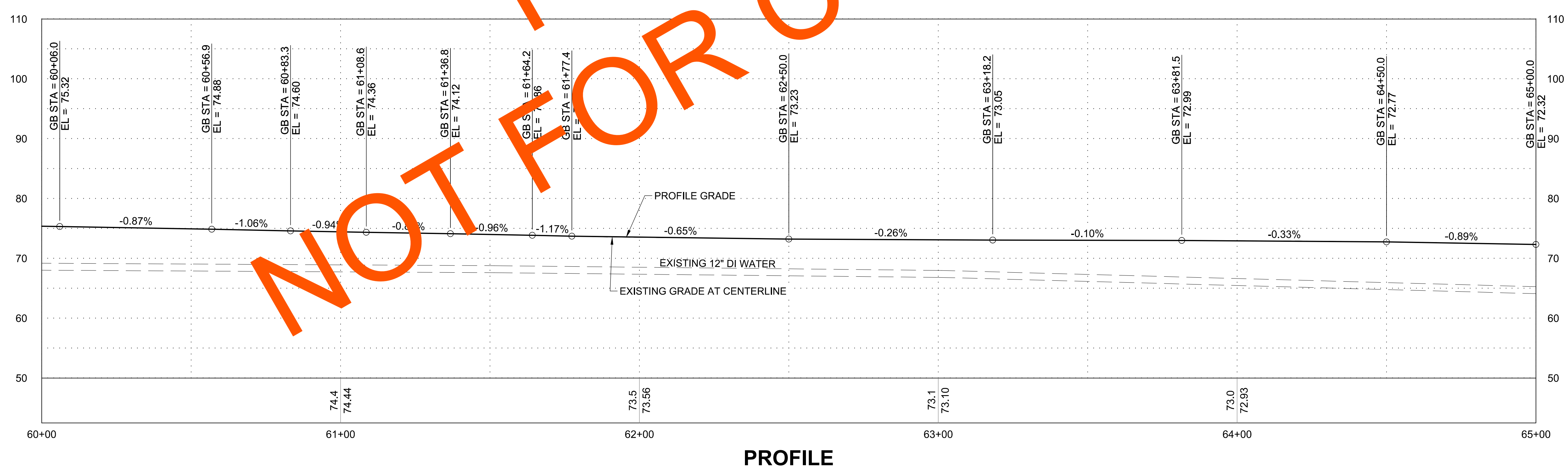
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	F9	F18



PLAN NOTES (X):

1. INSTALL DRIVEWAY CURB CUT ACROSS DRIVEWAY
2. MATCH EXISTING
3. USE NATIVE VEGETATION FOR STABILIZATION ON DISTURBED AREAS



PROFILE NOTES:

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PLANS DEVELOPED BY:
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STATE OF ALASKA 49TH
Ryan A. Stephens
Aug 05, 2021
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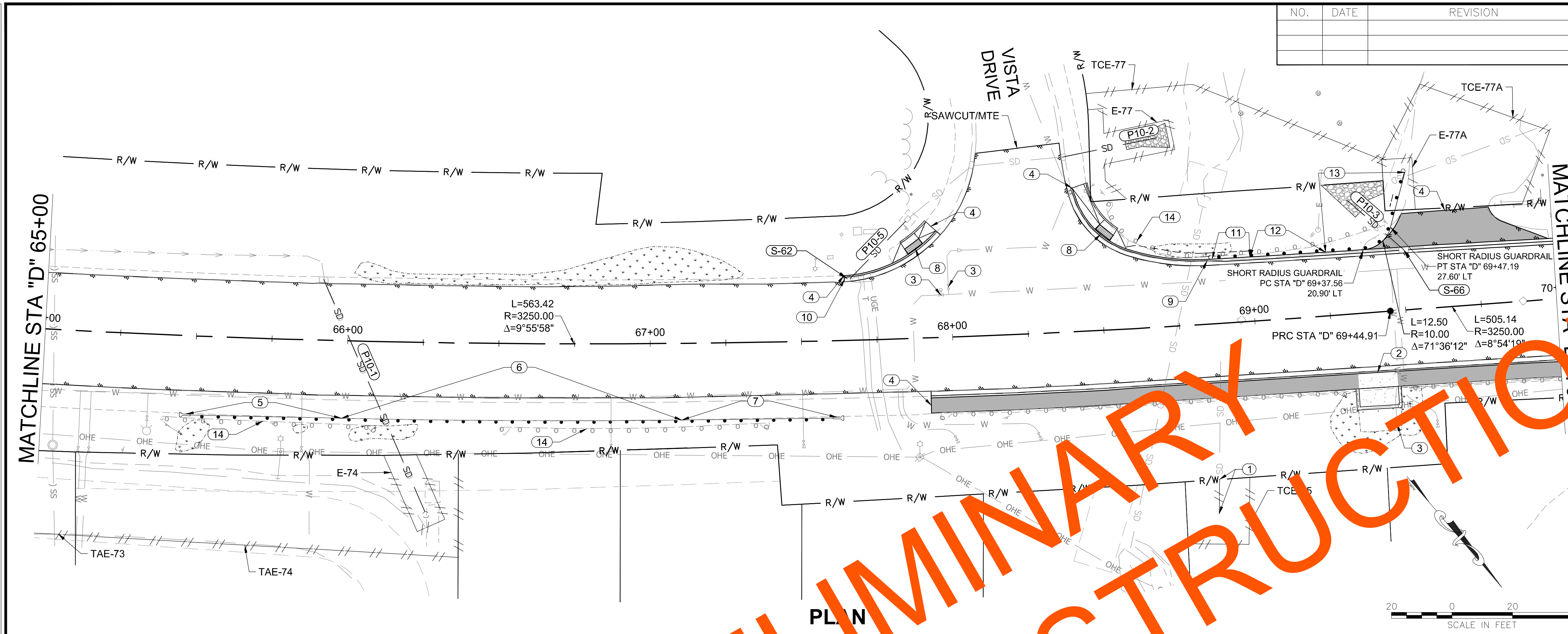
FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-PP-F-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 8/5/2021 18:31 | LAYOUT F9
PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848 | DRAFTED LAFAVOUR

NO.	DATE	REVISION

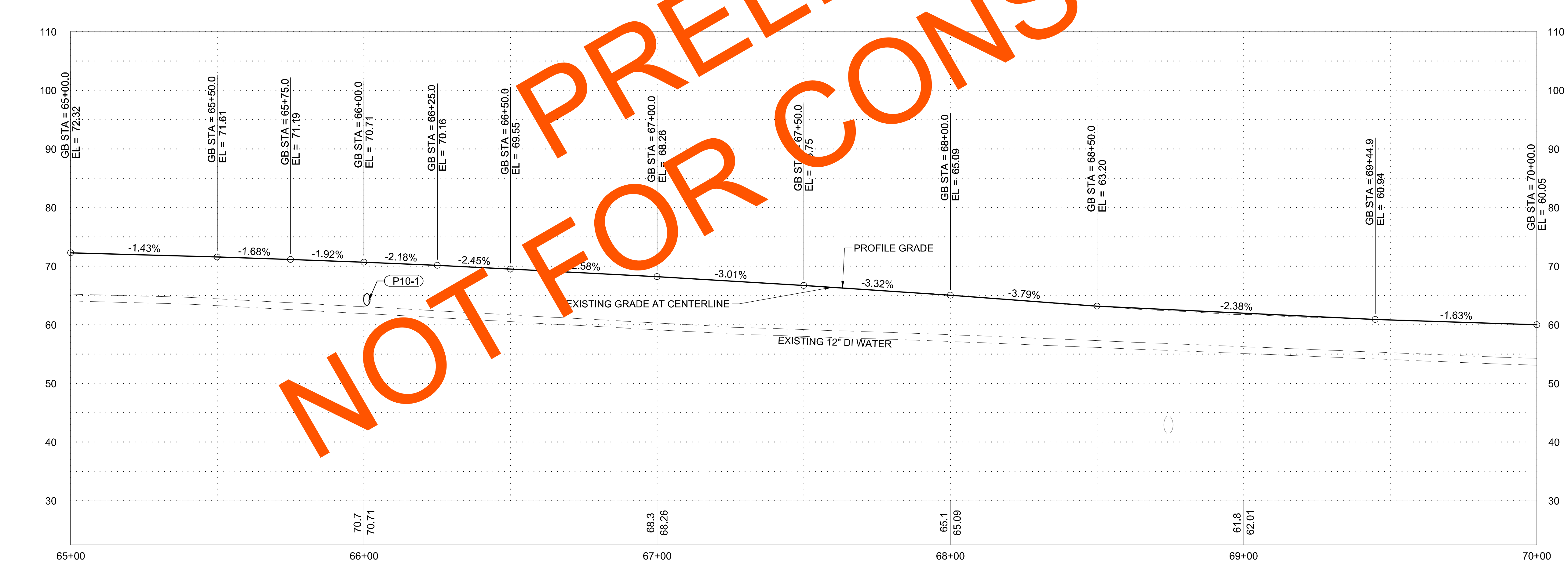
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	F10	F18



PLAN

PLAN NOTES (X):

1. REMOVE AND DISPOSE OF CULVERT TO ROW LINE. FILL ABANDONED CULVERT WITH CLSM
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. STA "D" 65+47.70, 25.90' RT TO STA "D" 65+98.56, 25.59' RT. INSTALL PARALLEL GUARDRAIL TERMINAL
6. STA "D" 65+98.56, 25.59' RT TO STA "D" 67+10.18, 25.31' RT. INSTALL STEEL POST W-BEAM GUARDRAIL. FACE OF GUARDRAIL TO FOLLOW BACK OF EXISTING SIDEWALK
7. STA "D" 67+10.18, 25.31' RT TO STA "D" 67+61.06, 23.31' RT. INSTALL PARALLEL GUARDRAIL TERMINAL
8. RECONSTRUCT CURB RAMP. SEE G SHEETS FOR GRADING
9. STA "D" 68+82 LT TO STA "D" 68+92 LT. TRANSITION FROM STANDARD CURB AND GUTTER TO GUTTER
10. 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
11. STA "D" 68+87.21, 21.40' LT TO STA "D" 68+99.81, 21.29' LT. INSTALL W31 DOWNSTREAM END ANCHOR
12. 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
13. STA "D" 89+24.97, 21.04' LT TO STA "D" 69+53.29, 45.30' LT. INSTALL SHORT RADIUS GUARDRAIL
14. REMOVE AND DISPOSE OF EXISTING GUARDRAIL



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
Aug 06, 2021
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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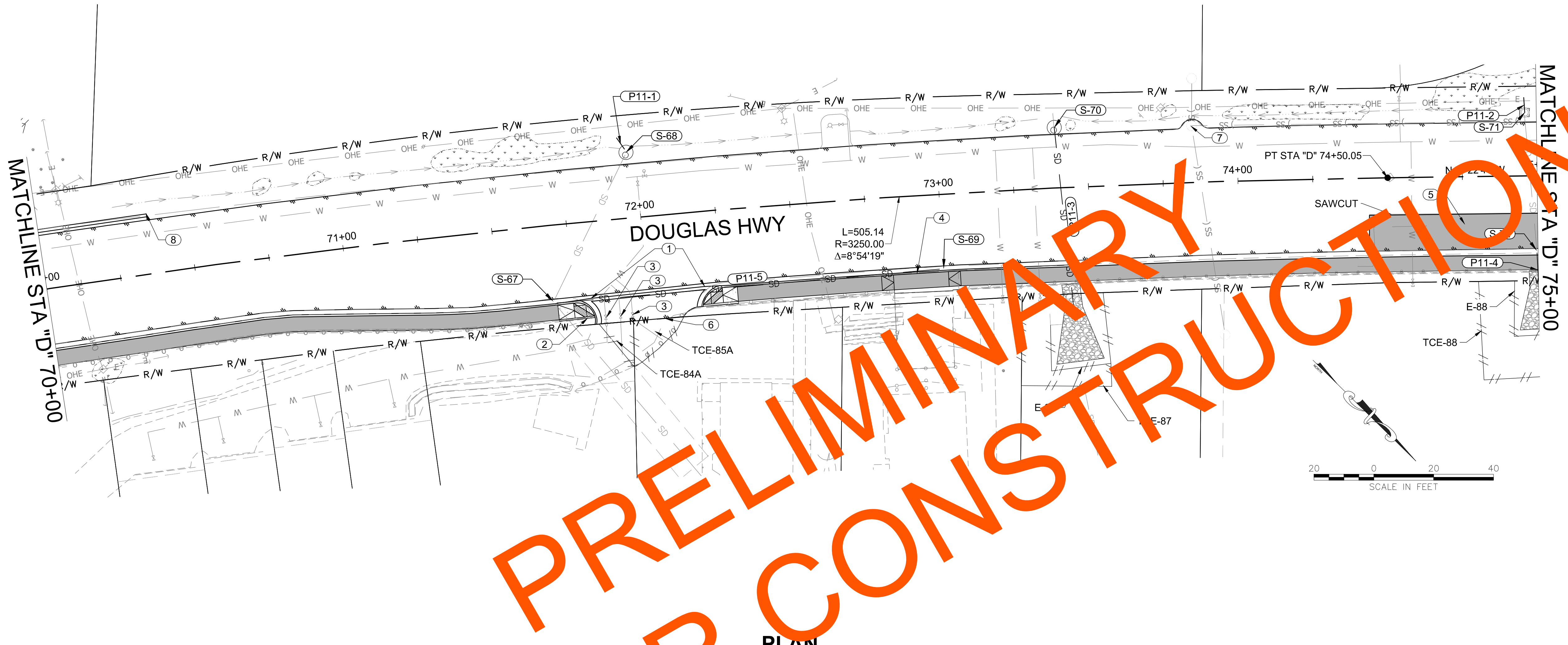
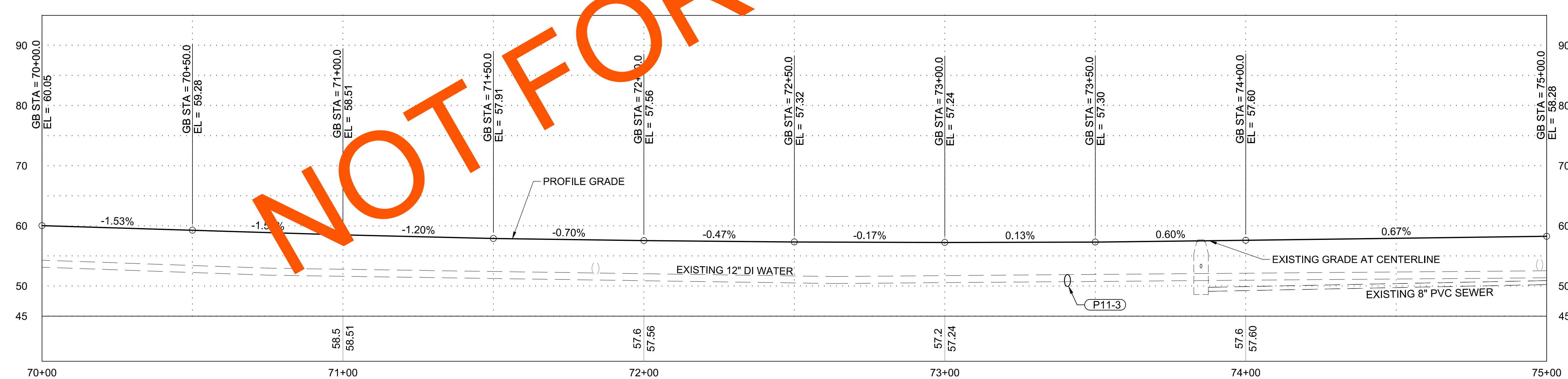


PLAN

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 6" TO 12" 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 B2
6. MATCH EXISTING
7. ADJUST EXISTING SANITARY SEWER MANHOLE LID TO GRADE
8. STA "D" 70+36 LT. END GUTTER



PROFILE

PROFILE NOTES:

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PLANS DEVELOPED BY:
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9085 GLACIER HWY
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STATE OF ALASKA
49TH
Ryan A. Stephens
Aug 05, 2021
No. CE 14391
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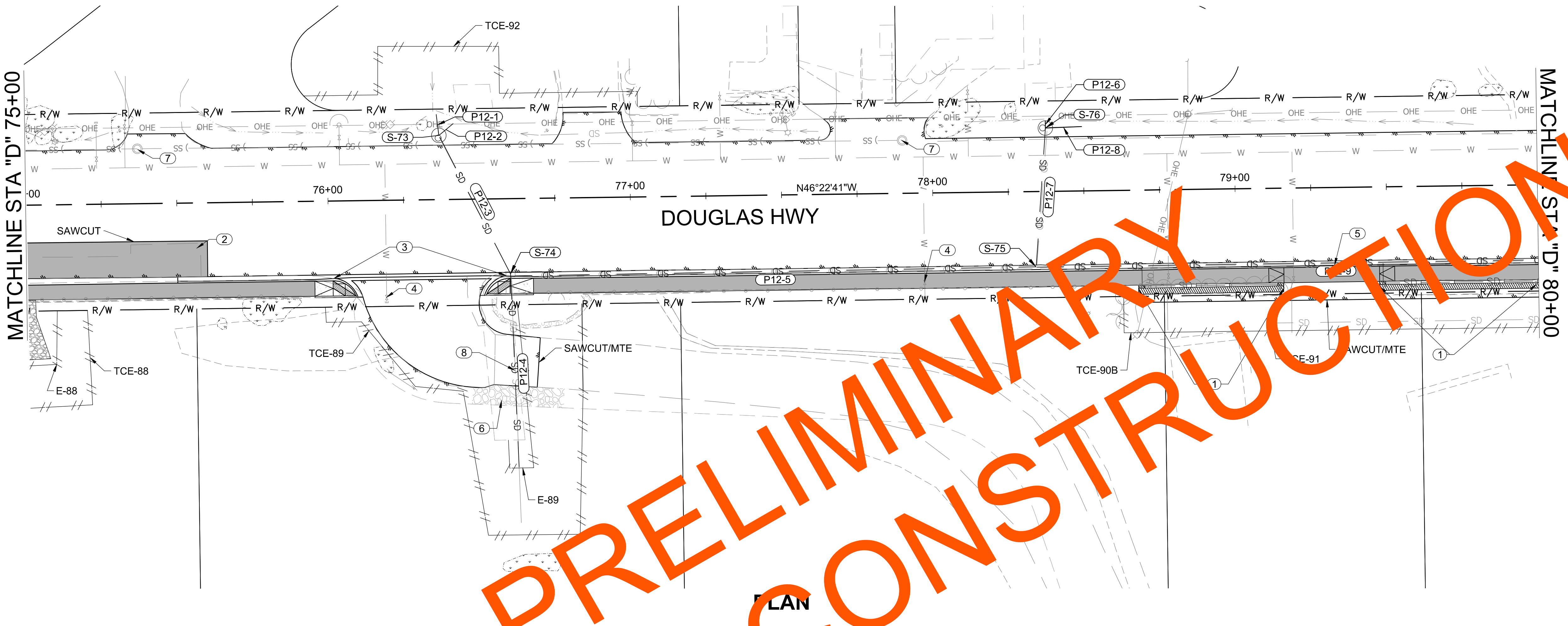
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-PP-F-70897.dwg | DATE 8/5/2021 18:31 | LAYOUT F11 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

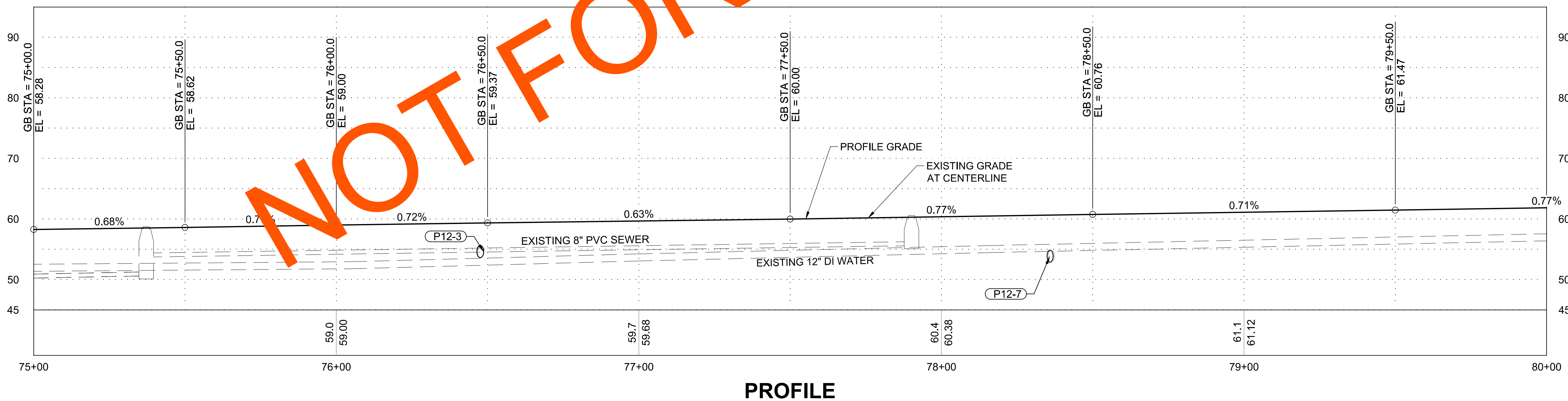
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	F12	F18



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 B2
3. STA "D" 76+00 RT TO STA "D" 76+59 RT. INSTALL GUTTER
4. ADJUST EXISTING WATER VALVE BOX TO GRADE
5. INSTALL DRIVEWAY CURB CUT ACROSS DRIVEWAY
6. REMOVE AND REPLACE EXISTING BOULDERS AS NEEDED TO REPLACE P12-4
7. ADJUST EXISTING SANITARY SEWER MANHOLE LID TO GRADE
8. SEE SHEET Q1 FOR DETAILS ON CULVERT REPLACEMENT
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



PROFILE NOTES:

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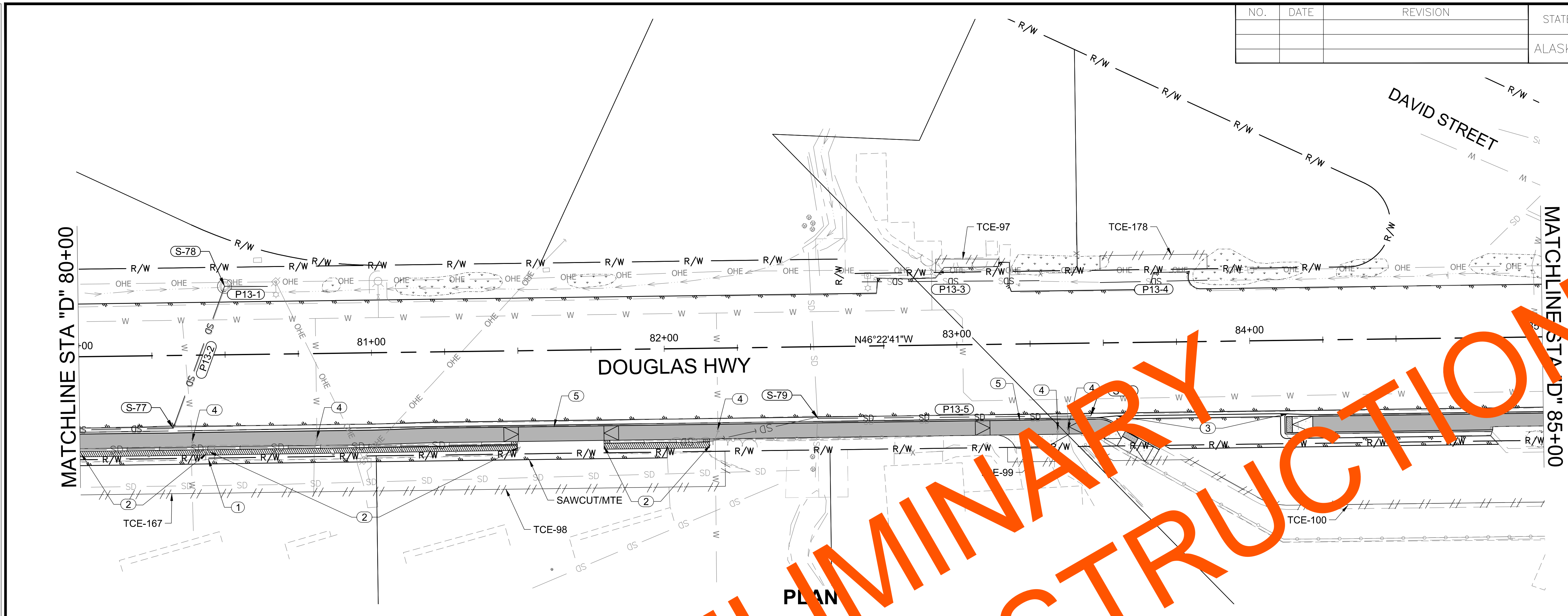
PLANS DEVELOPED BY:
DOWL
9085 GLACIER HWY
JUNEAU, AK 99801
PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 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 I\Civil\SC-CT-PP-F-70897.dwg | DATE 8/5/2021 18:31 | LAYOUT F12 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	F13	F18

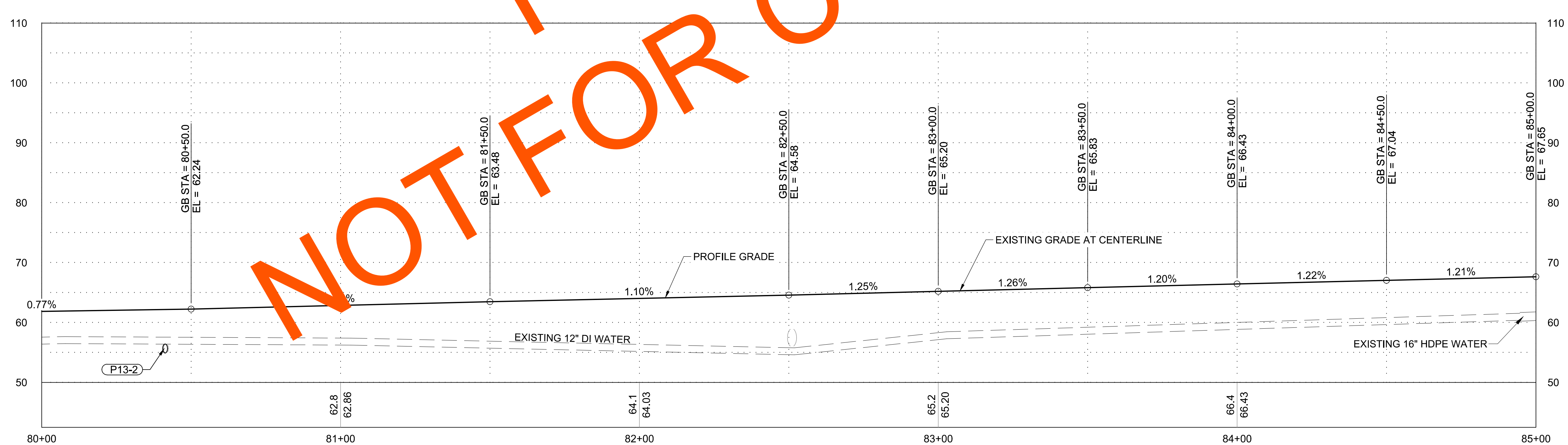


PLAN NOTES (X):

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. INSTALL DRIVEWAY CURB CUT ACROSS DRIVEWAY

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

PRELIMINARY
NOT FOR CONSTRUCTION



PROFILE

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STATE OF ALASKA
49TH
Ryan A. Stephens
Aug 05, 2021
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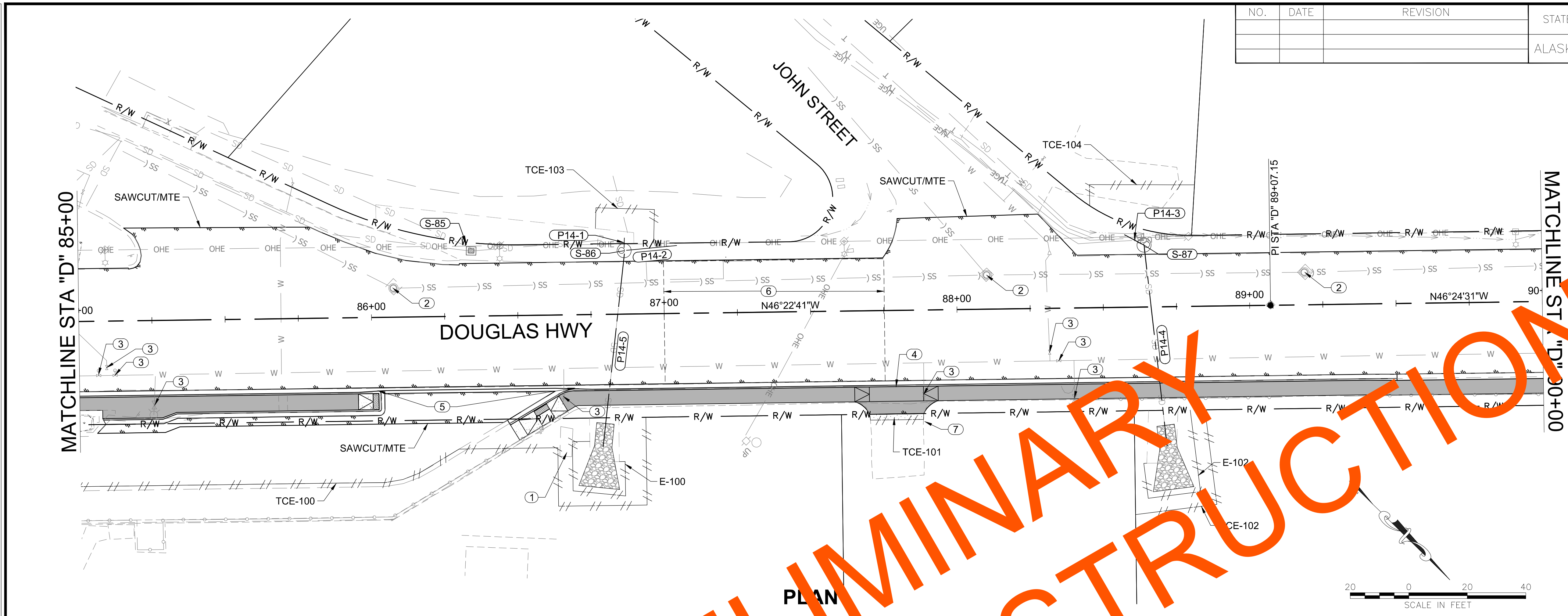
FIRM DOWL
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-PP-F-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 8/5/2021 18:31
LAYOUT F13
PHONE (907) 780-3533
DESIGNED STEPHENS
CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848
DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	F14	F18



PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

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. INSTALL 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 CHRIS 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

PROFILE

PROFILE NOTES:

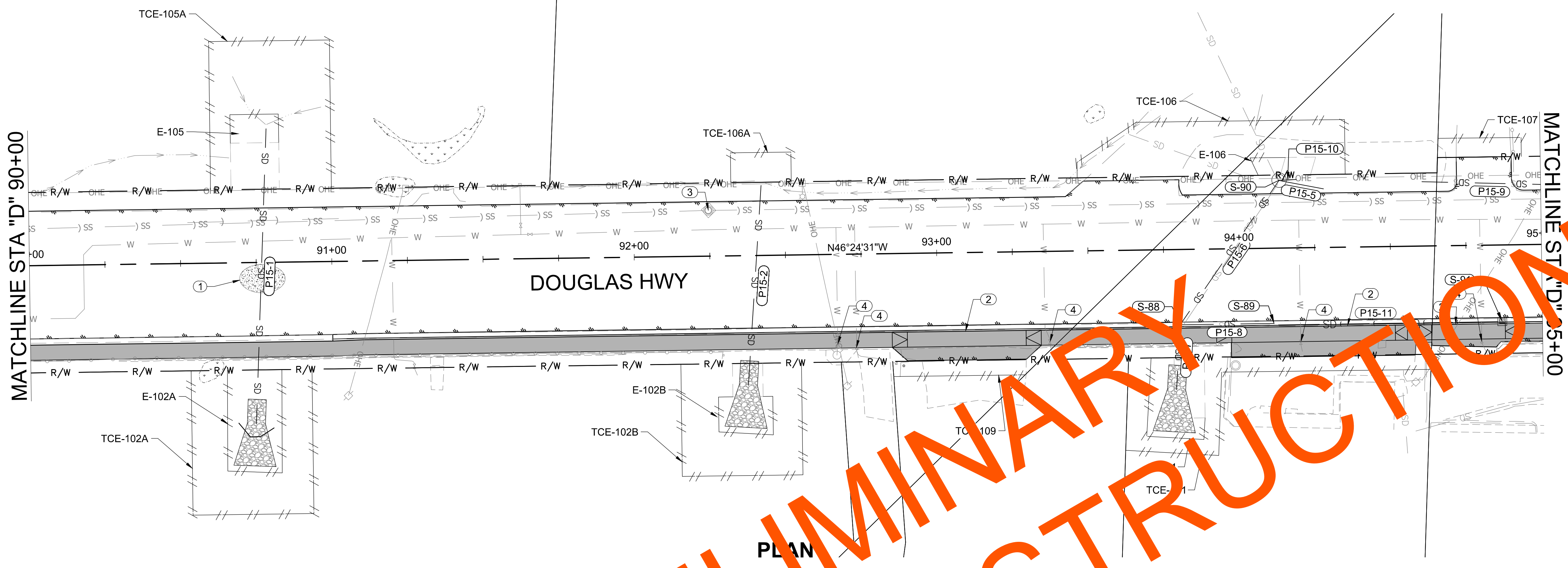
1. FINISH GRADE TO MATCH EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
2. GRADE BREAKS AND SLOPES SHOWN ARE TO GUIDE CONTRACTOR IN MATCHING EXISTING GRADE AT CENTERLINE UNLESS OTHERWISE SHOWN
3. ESTABLISH VERTICAL CURVES AS NECESSARY THROUGH CENTERLINE GRADE BREAKS OVER 20 FEET MAX
4. ABANDONED 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 Aug 05, 2021 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 8/5/2021 18:31 | LAYOUT F14 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

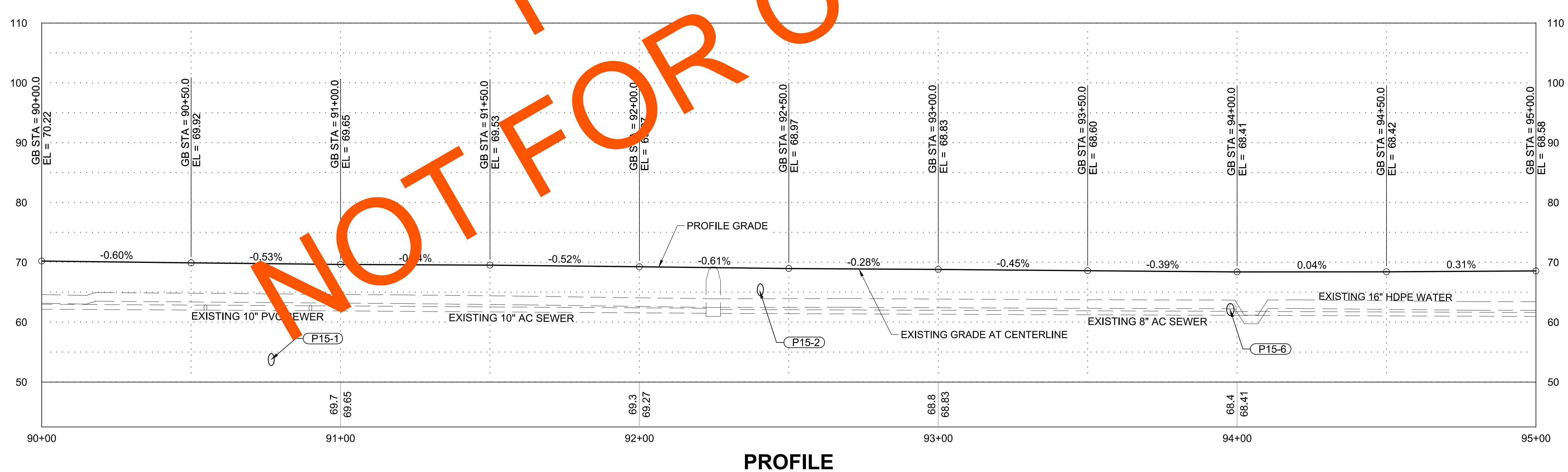
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	F15	F18



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 ENTERED THE EXISTING PIPE. CLEAN OUT SLURRY INSIDE PIPE.
2. INSTALL DRIVEWAY CURB CUT ACROSS DRIVEWAY
3. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
4. ADJUST EXISTING WATER VALVE BOX TO GRADE

PRELIMINARY NOT FOR CONSTRUCTION



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 OVER 20 FEET MAX
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
Aug 05, 2021
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REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
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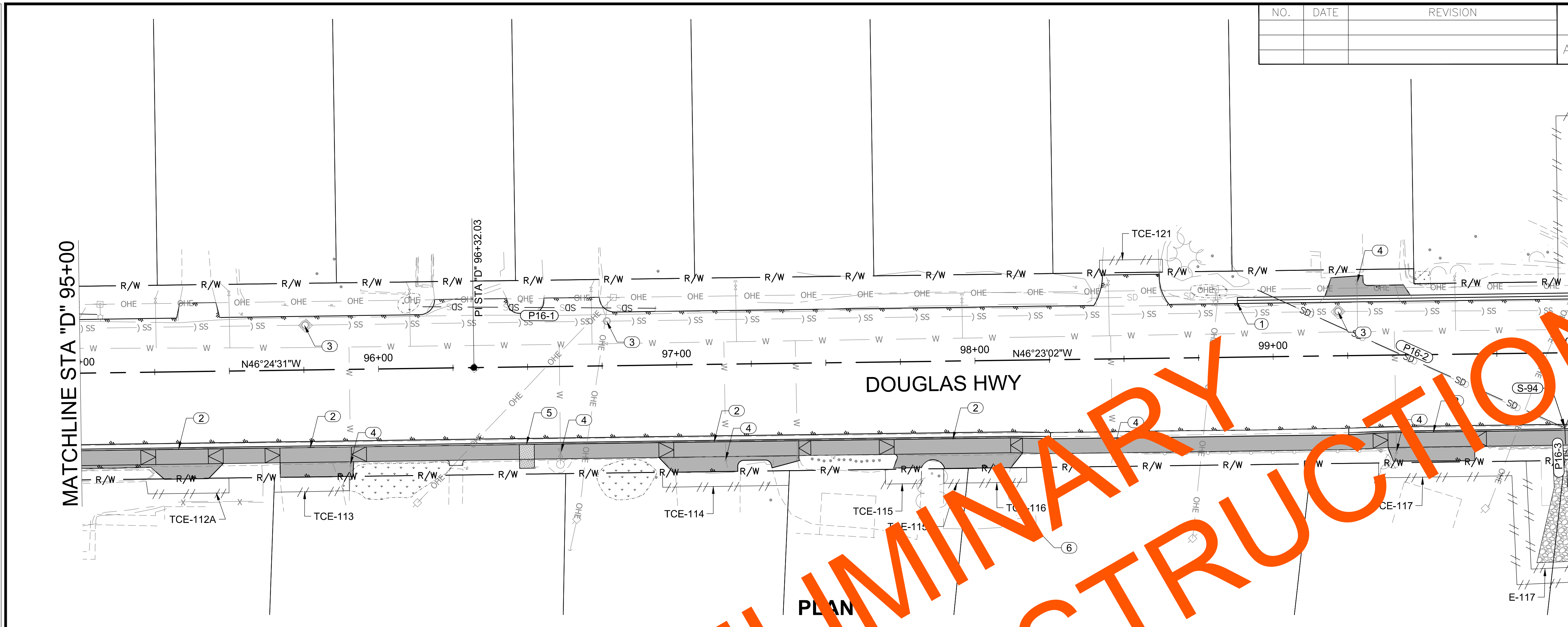
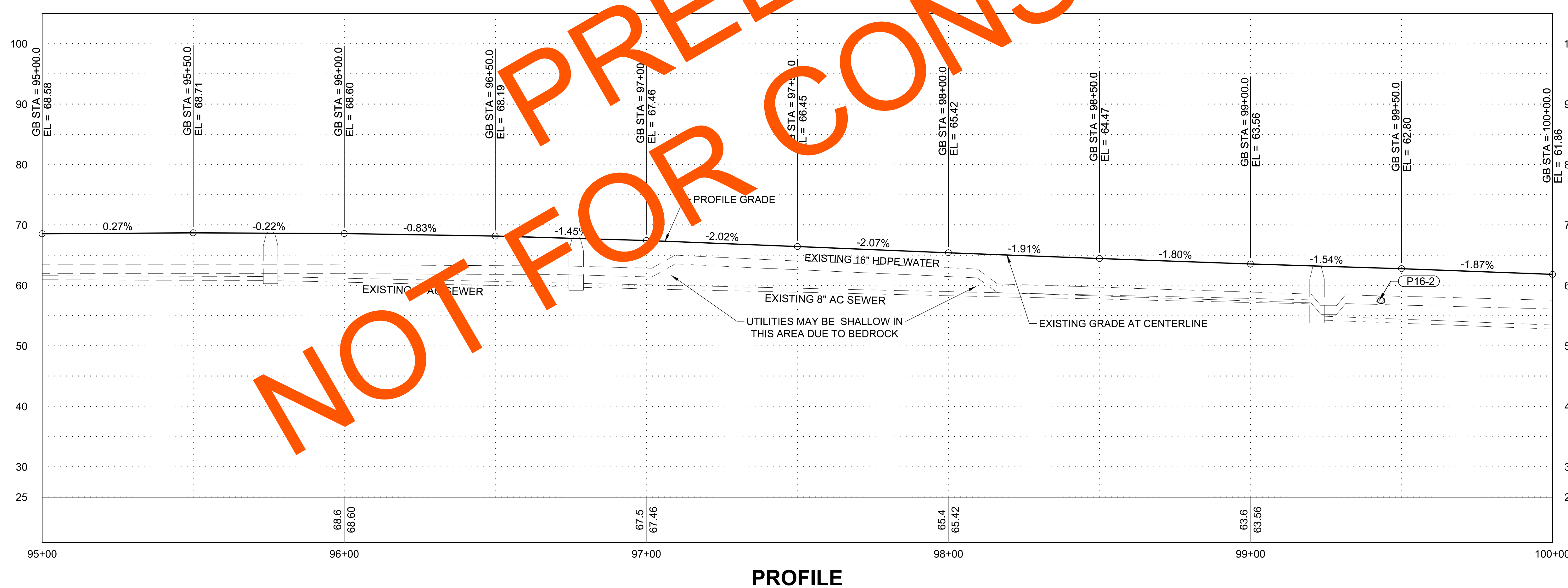
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	F16	F18



PLAN NOTES (X):

1. STA "D" 98+88.3 LT. BEGIN INSTALL GUTTER
2. INSTALL DRIVEWAY CURB CUT ACROSS DRIVEWAY
3. ADJUST EXISTING SANITARY SEWER MANHOLE LID 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



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 OVER 20 FEET MAX
4. ABANDONED WATER LINES NOT SHOWN

PLANS DEVELOPED BY:
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9085 GLACIER HWY
JUNEAU, AK 99801
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#AECL848

STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

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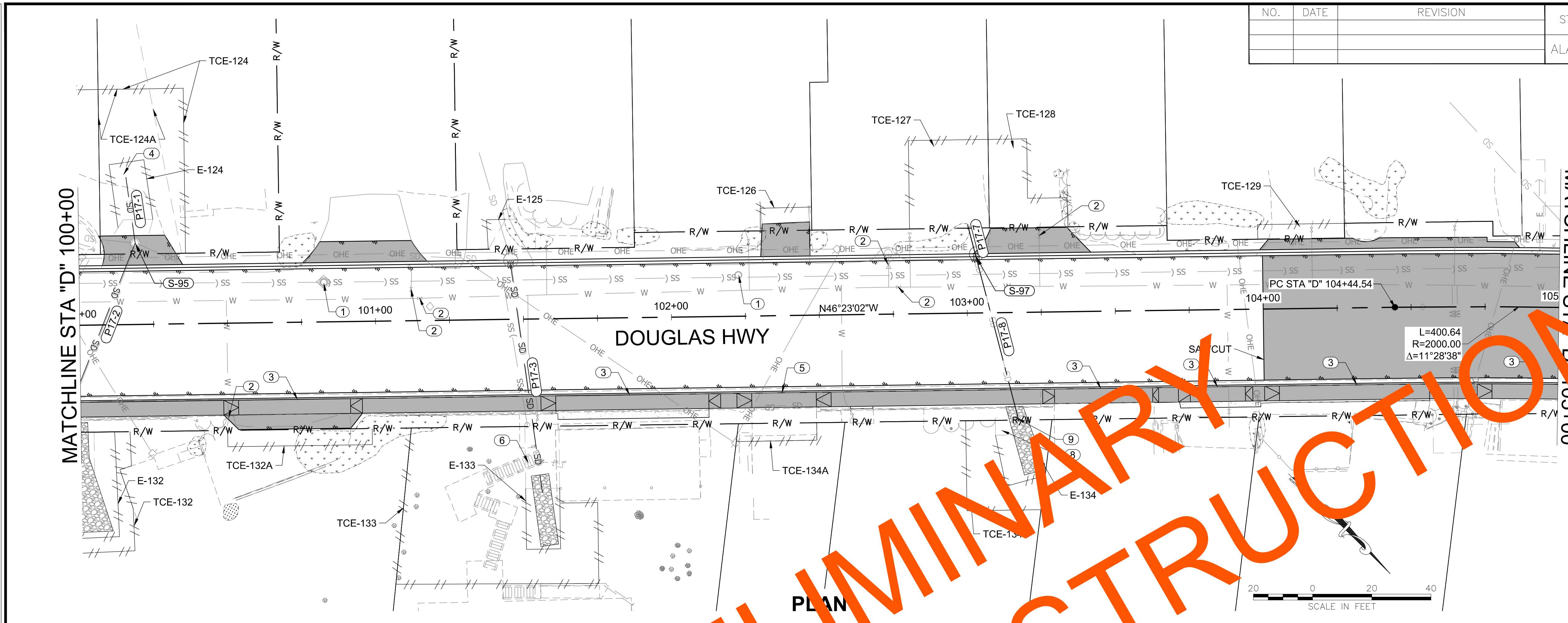
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-PP-F-70897.dwg | DATE 8/5/2021 18:31 | LAYOUT F16 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

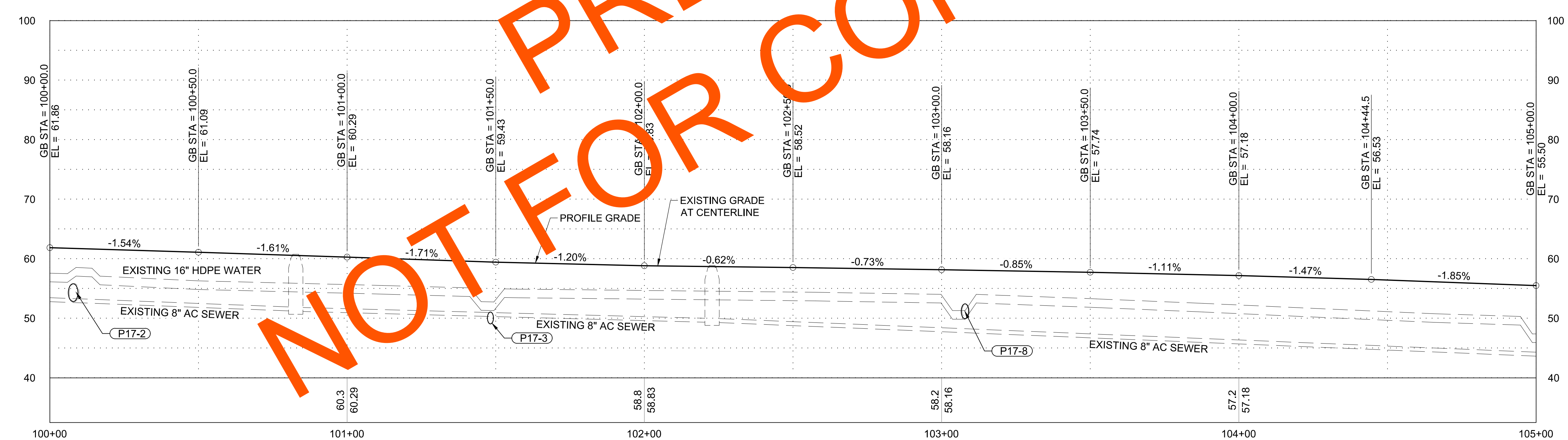
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	F17	F18



PLAN NOTES (X):

1. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
2. ADJUST EXISTING WATER VALVE BOX TO GRADE
3. INSTALL DRIVEWAY CURB CUT ACROSS DRIVEWAY
4. PRESERVE & PROTECT EXISTING TREES AND LANDSCAPING
5. INSTALL 3-INCH CURB AND GUTTER ACROSS DRIVEWAY. SEE E SHEETS FOR DETAILS
6. PRESERVE AND PROTECT EXISTING STAIRS
7. TCE-124 & TCE-124A OVERLAP AT THE EXISTING ACCESS EASEMENT
8. REMOVE AND REBUILD THE TERRACED PLANTER AS NEEDED TO COMPLETE THE CULVERT REPAIR AND RIP RAP PLACEMENT. THE TERRACED PLANTER SHALL BE REBUILT TO PRECONSTRUCTION CONDITIONS USING ORIGINAL MATERIALS THAT WERE REMOVED DURING CULVERT REPAIR AND RIP RAP PLACEMENT. CONFIRM LIMITS OF TERRACE REMOVAL WITH ENGINEER PRIOR TO BEGINNING WORK
9. REMOVE EXISTING TREE ONLY AS NEEDED TO COMPLETE CULVERT REPAIRS AND RIP RAP INSTALLATION. CONFIRM WITH ENGINEER PRIOR TO REMOVAL
10. TCE-124A OVERLAPS TCE-124 FOR THE SHARED ACCESS



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 OVER 20 FEET MAX
4. ABANDONED WATER LINES NOT SHOWN

PLANS DEVELOPED BY:
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STATE OF ALASKA 49TH
Ryan A. Stephens
Aug 05, 2021
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REGISTERED PROFESSIONAL ENGINEER

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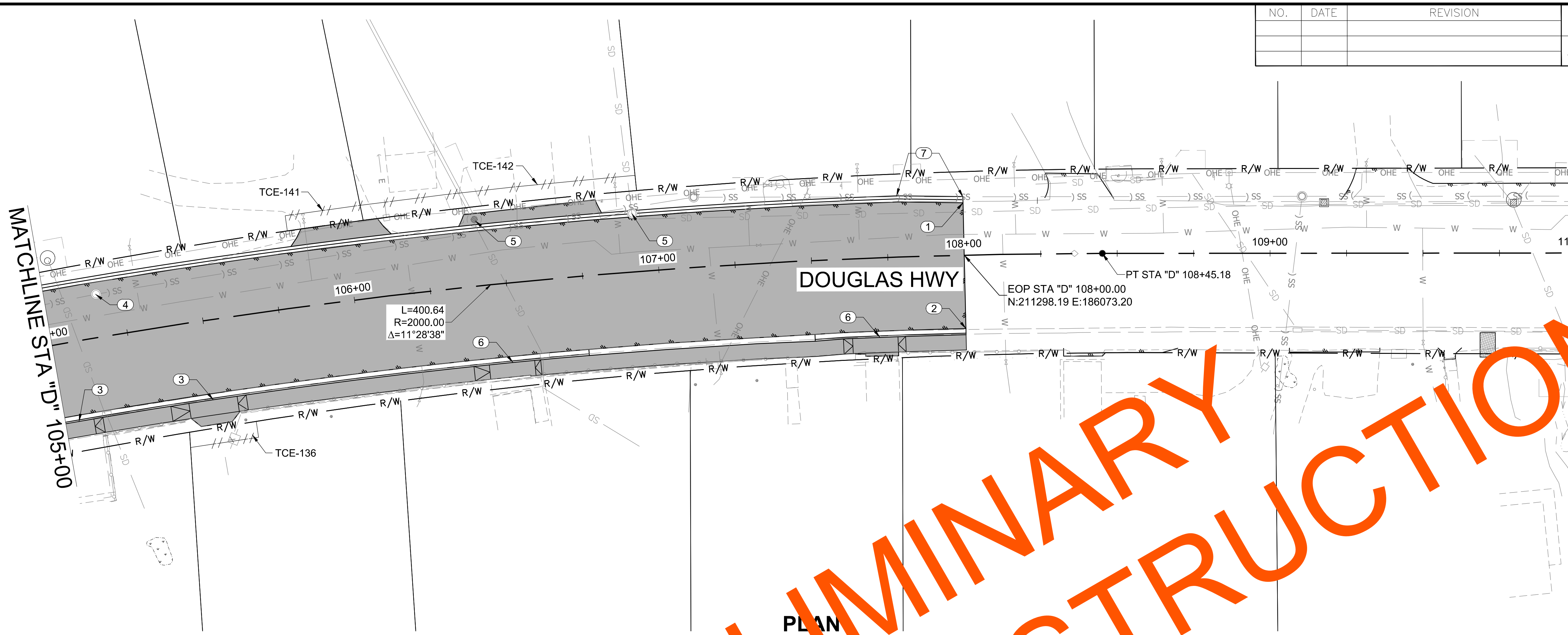
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 8/5/2021 18:31 | LAYOUT F17
PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
CERTIFICATE OF AUTH #: AECL848

NO.	DATE	REVISION

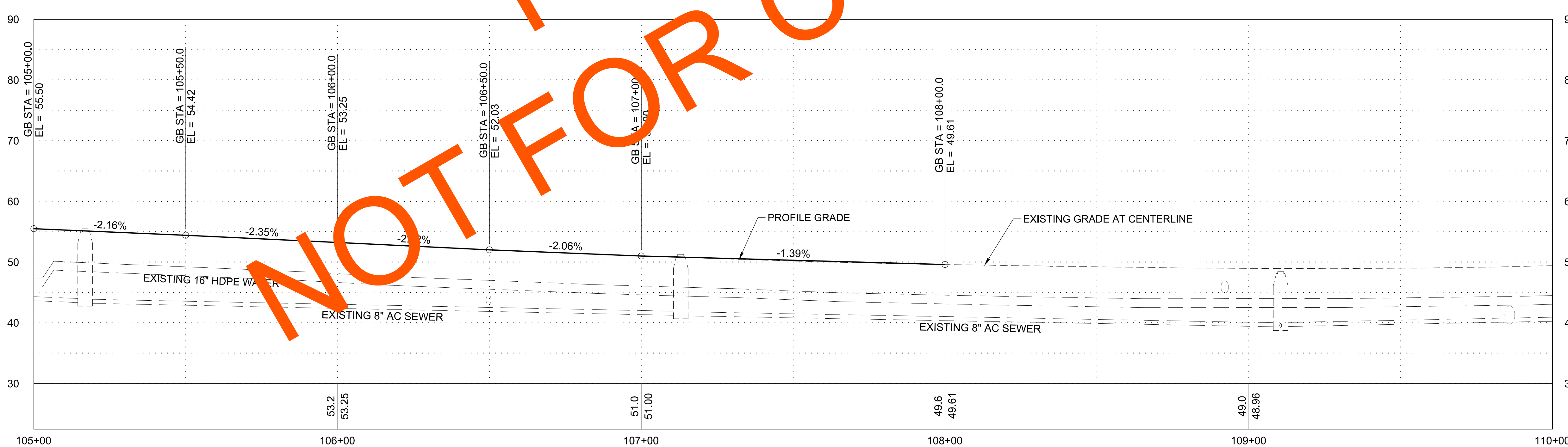
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	F18	F18



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. INSTALL DRIVEWAY CURB CUT ACROSS DRIVEWAY
4. ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE
5. ADJUST EXISTING STORM DRAIN MANHOLE TO GRADE
6. INSTALL 3-INCH CURB AND GUTTER ACROSS DRIVEWAY. SEE E SHEETS FOR DETAILS
7. TRANSITION SHOULDER WIDTH FROM 6-FT TO 3.5-FT BETWEEN STA "D" 107+79 LT AND STA "D" 108+00 LT



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
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4. ABANDONED WATER LINES NOT SHOWN

PLANS DEVELOPED BY:
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STATE OF ALASKA 49TH
Ryan A. Stephens
Aug 05, 2021
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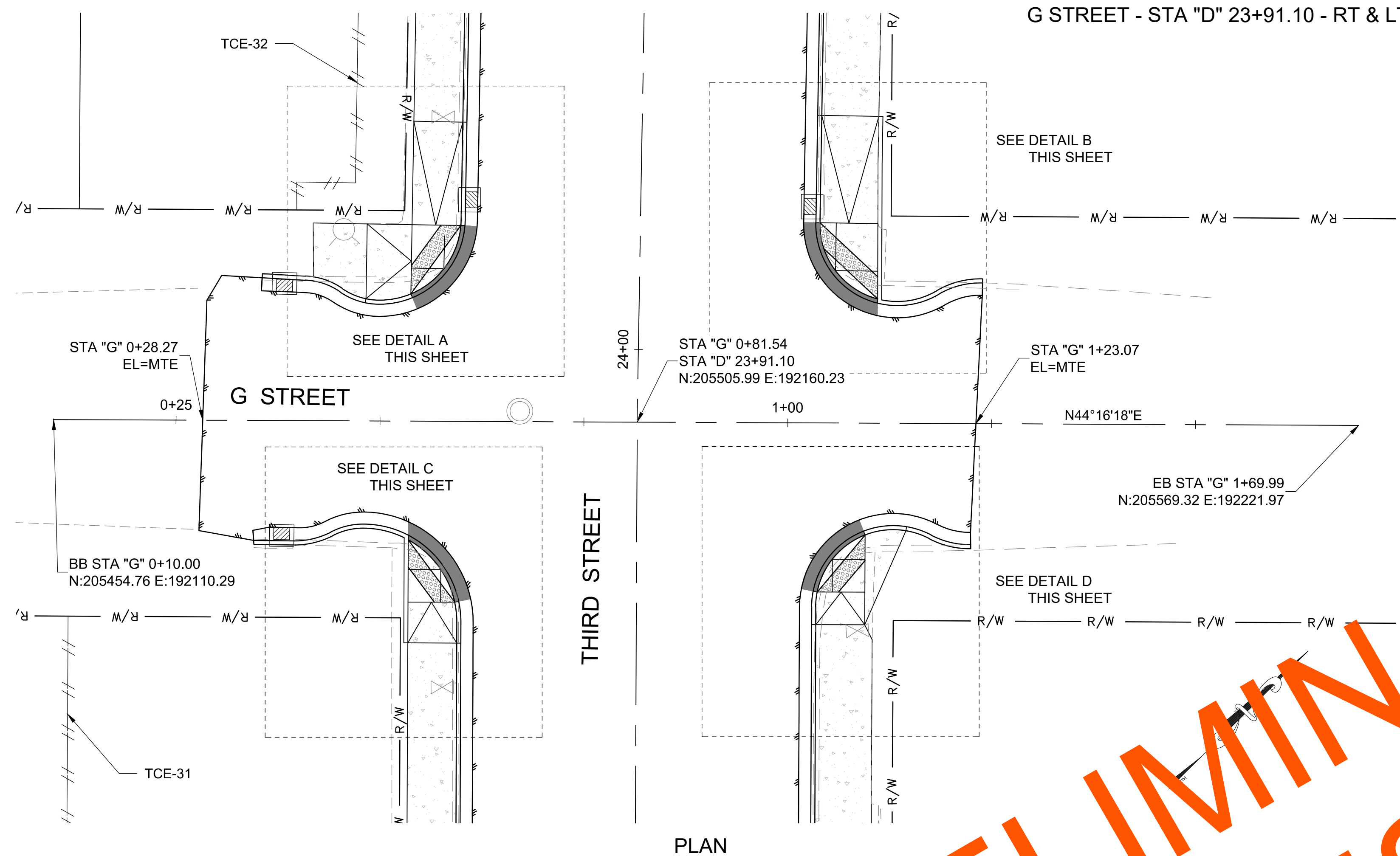
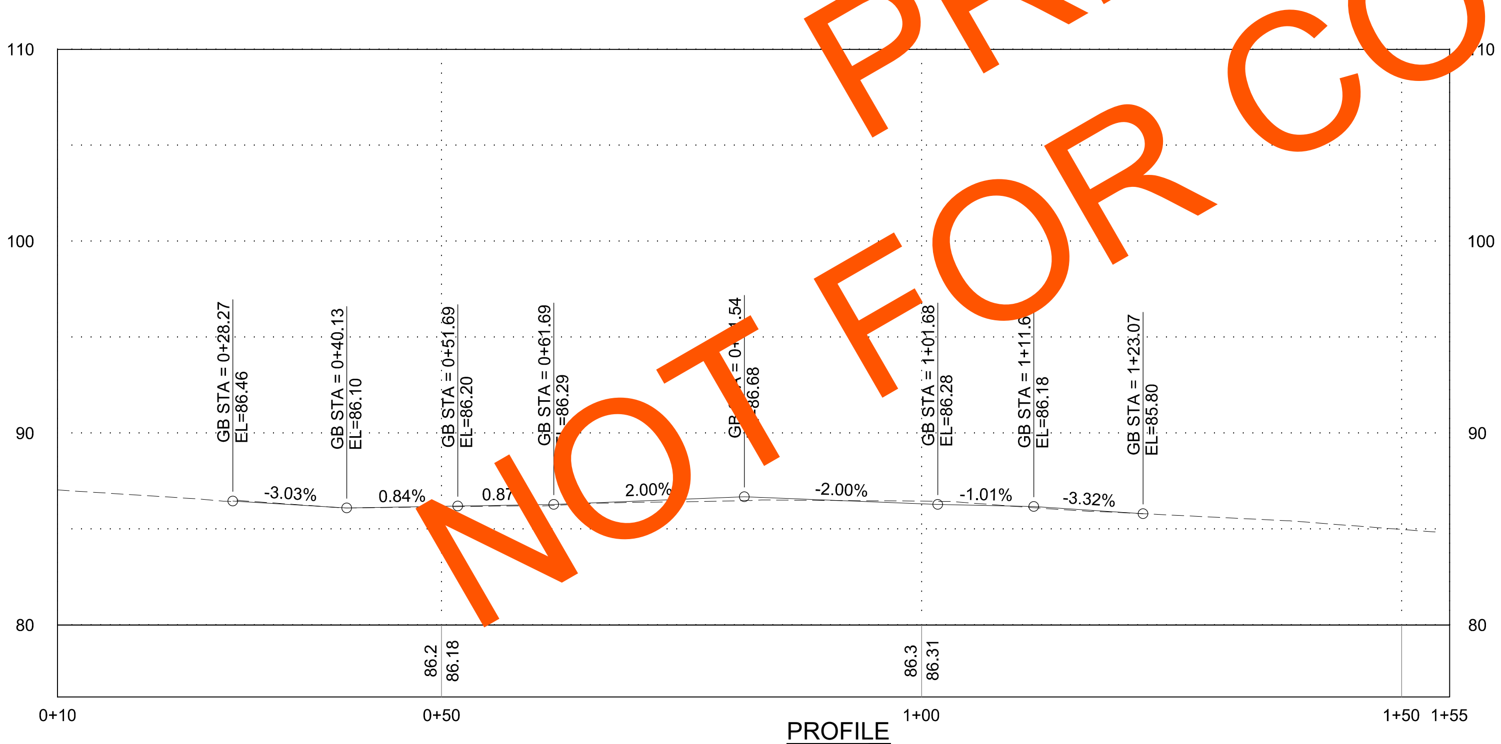
FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-PP-F-70897.dwg | DATE 8/5/2021 18:31 | LAYOUT F18 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

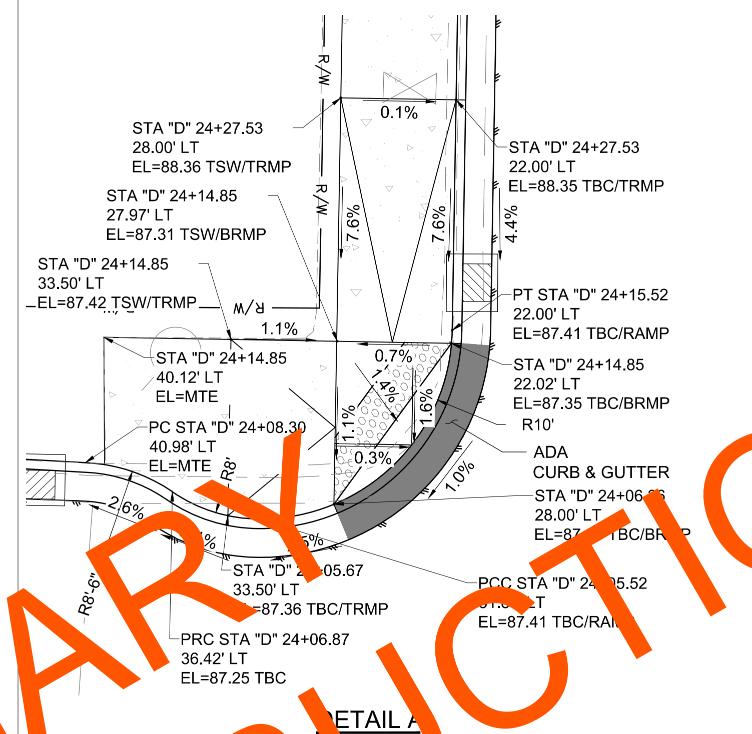
NO.	DATE	REVISION

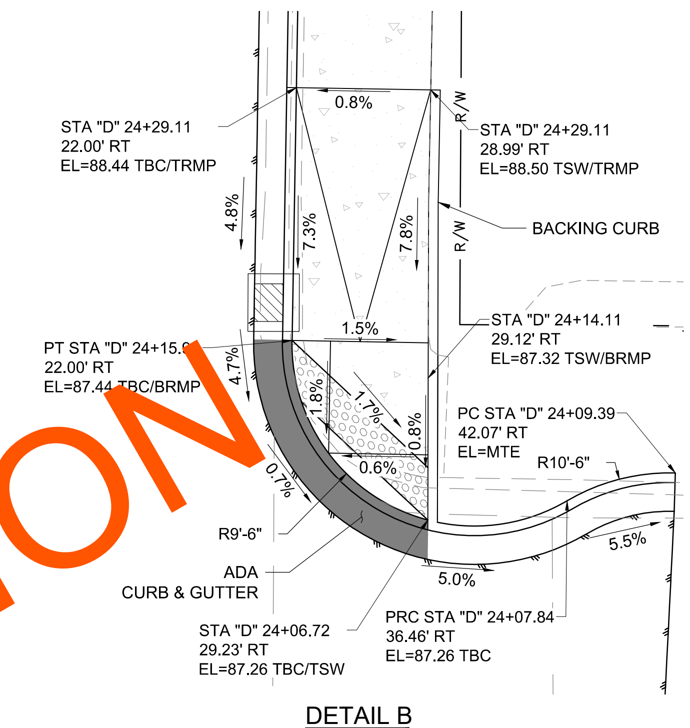
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	G1	G8

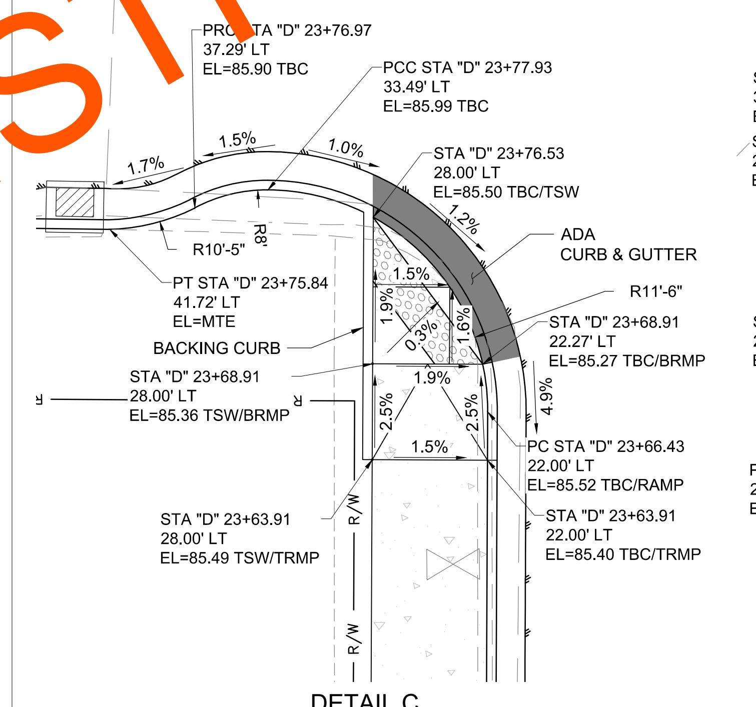
G STREET - STA "D" 23+91.10 - RT & LT

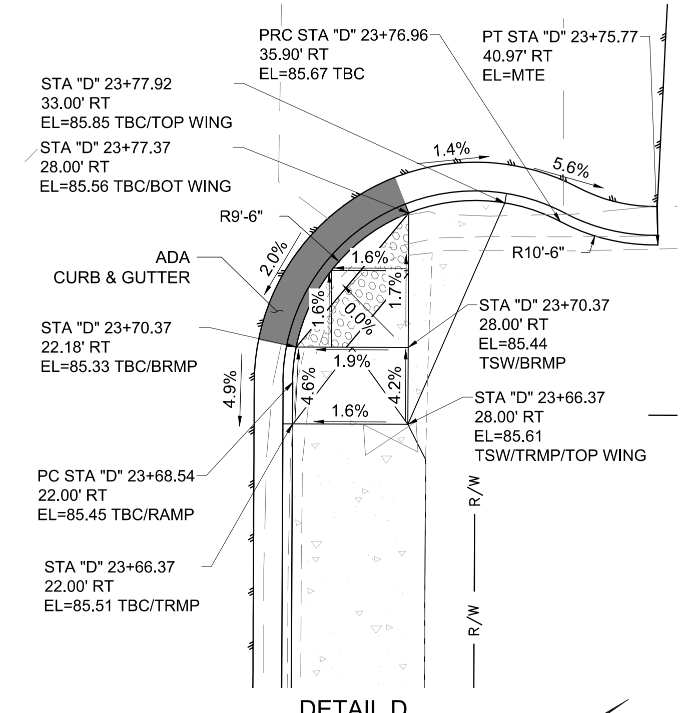












PRELIMINARY NOT FOR CONSTRUCTION

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

STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 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 8/5/2021 13:08 | LAYOUT G1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

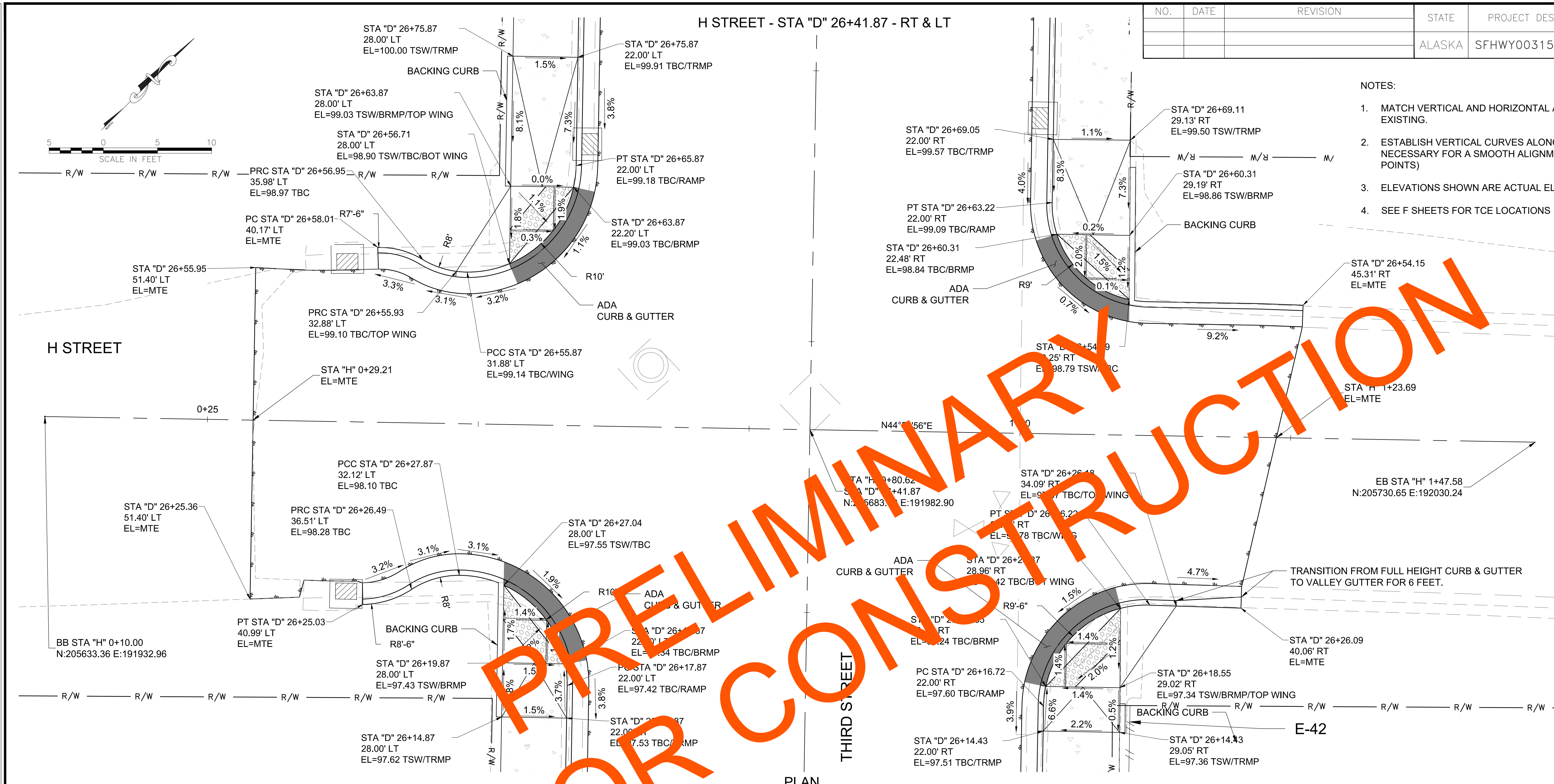
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	G2	G8

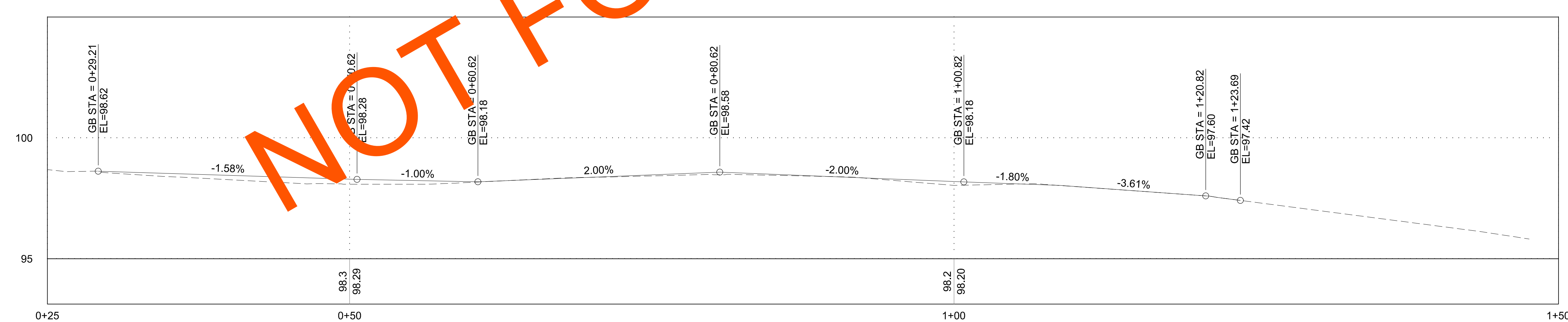
H STREET - STA "D" 26+41.87 - RT & LT

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

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9085 GLACIER HWY
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PHONE 907-780-3533
#AECL848

STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

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FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-GR-G-70897.dwg | DATE 8/5/2021 13:08 | LAYOUT G2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

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 8/5/2021 13:08 | LAYOUT G3 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

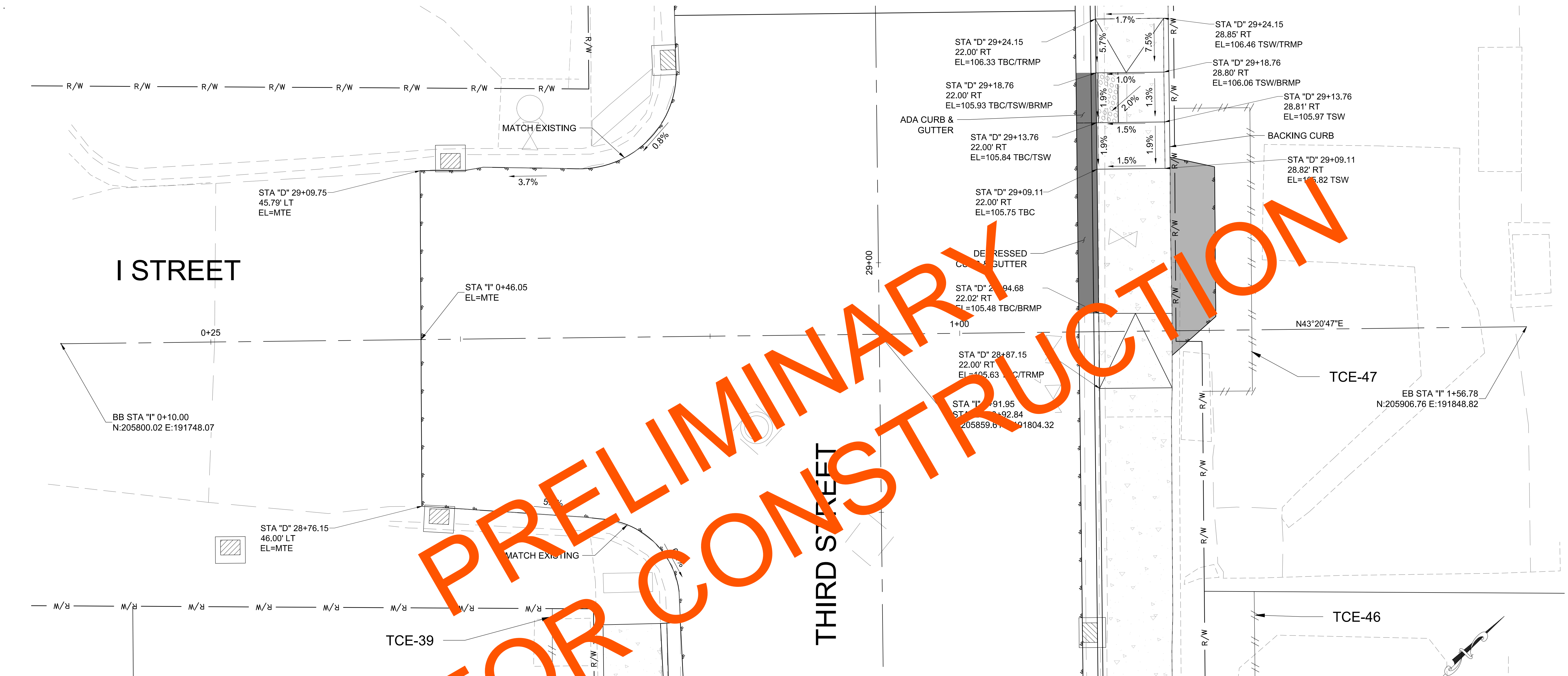
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	G3	G8

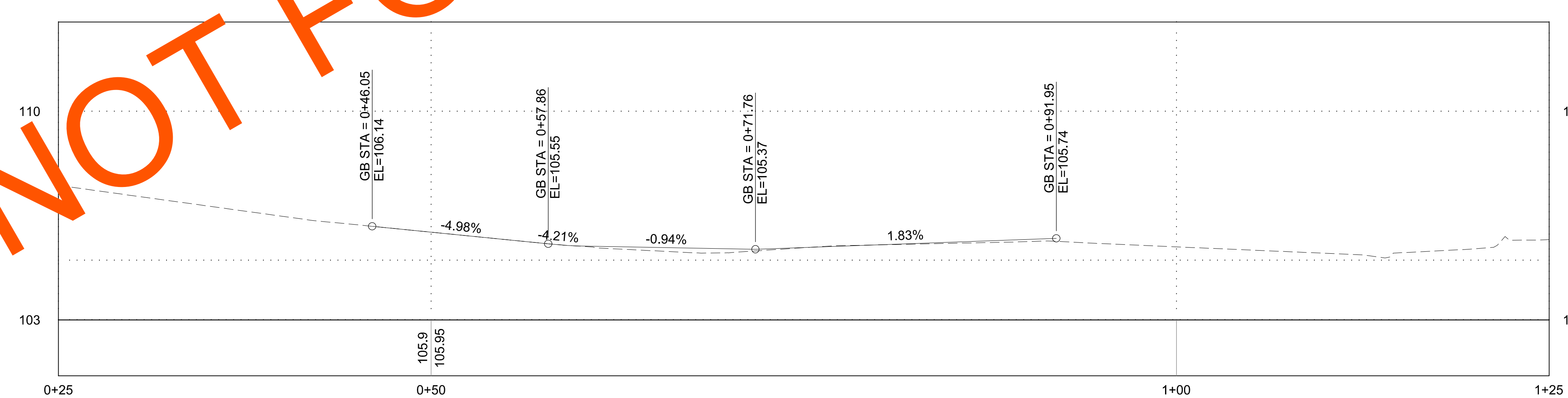
I STREET - STA "D" 28+92.84 - LT

NOTES:

1. MATCH VERTICAL AND HORIZONTAL ALIGNMENT TO EXISTING.



PLAN



PROFILE

SCALE IN FEET

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

STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

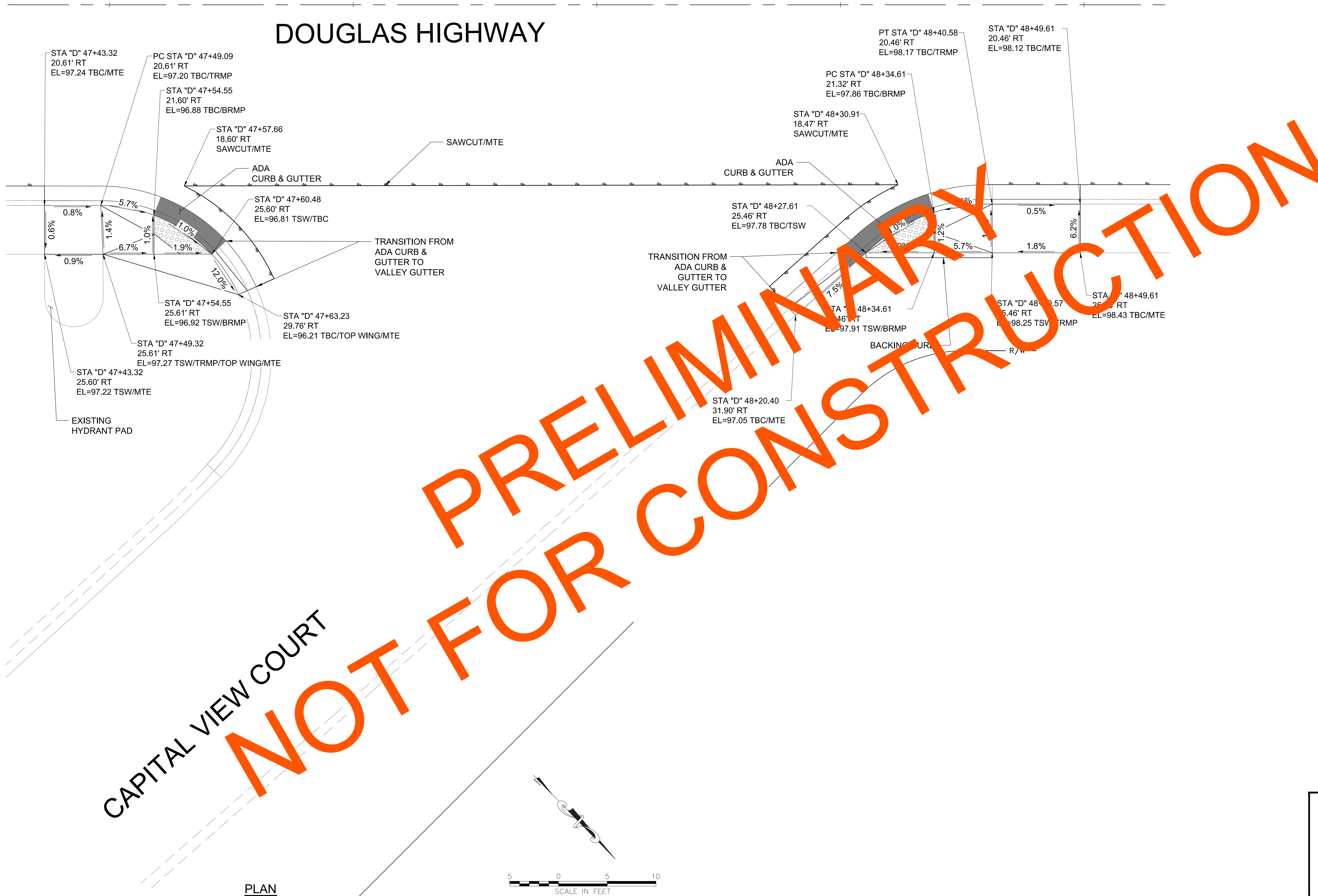
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	G4	G8

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

NOTES:

1. MATCH VERTICAL AND HORIZONTAL ALIGNMENT TO EXISTING.



PLAN

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STATE OF ALASKA 49TH
Ryan A. Stephens
Aug 05, 2021
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FIRM DOWL
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ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 8/5/2021 13:08
LAYOUT G4
PHONE (907) 780-3533
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR
CERTIFICATE OF AUTH #: AECL848

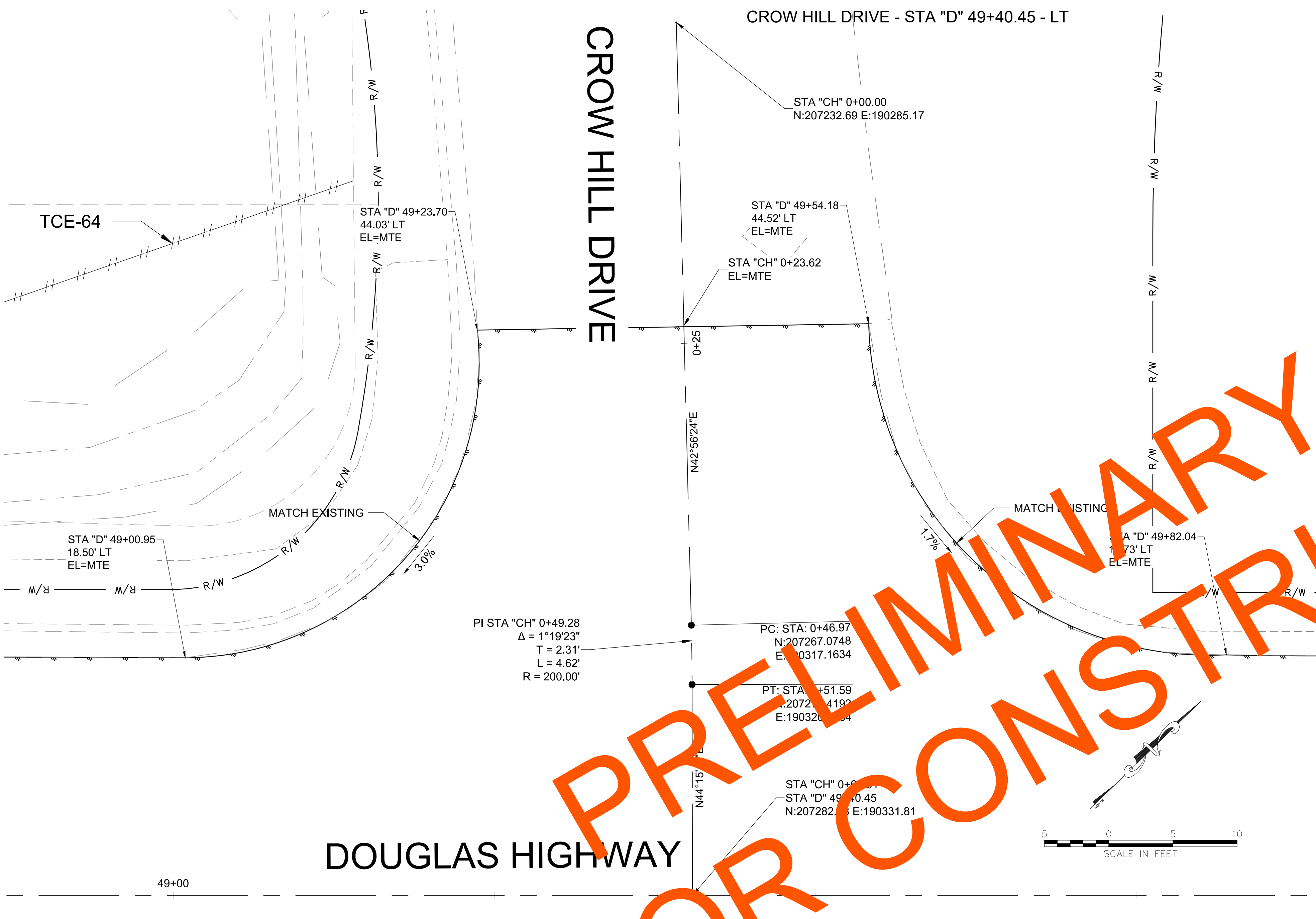
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	G5	G8

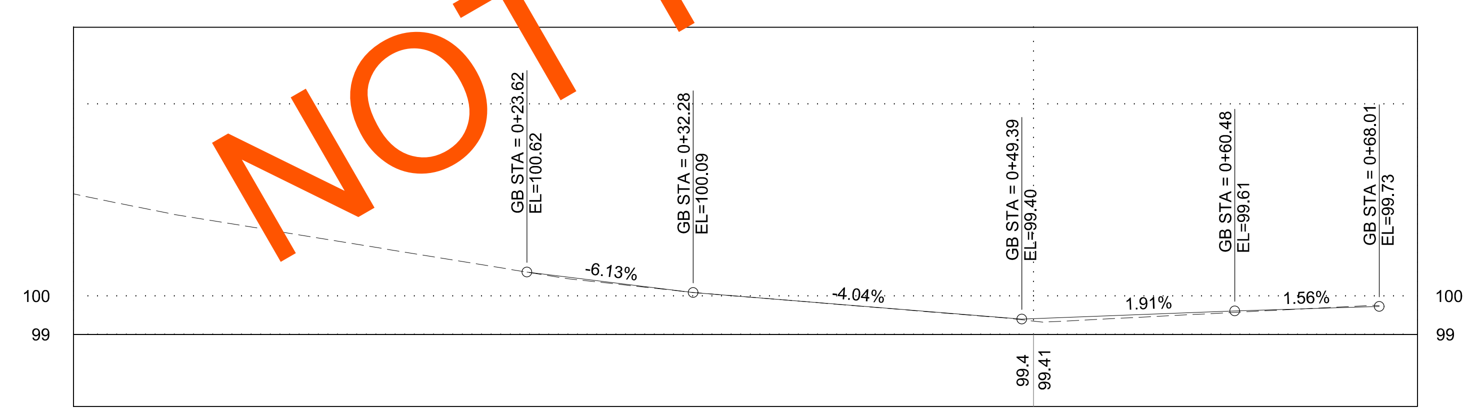
CROW HILL DRIVE - STA "D" 49+40.45 - LT

NOTES:

1. MATCH VERTICAL AND HORIZONTAL ALIGNMENT TO EXISTING.



PLAN



PROFILE

PRELIMINARY NOT FOR CONSTRUCTION

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DOWL
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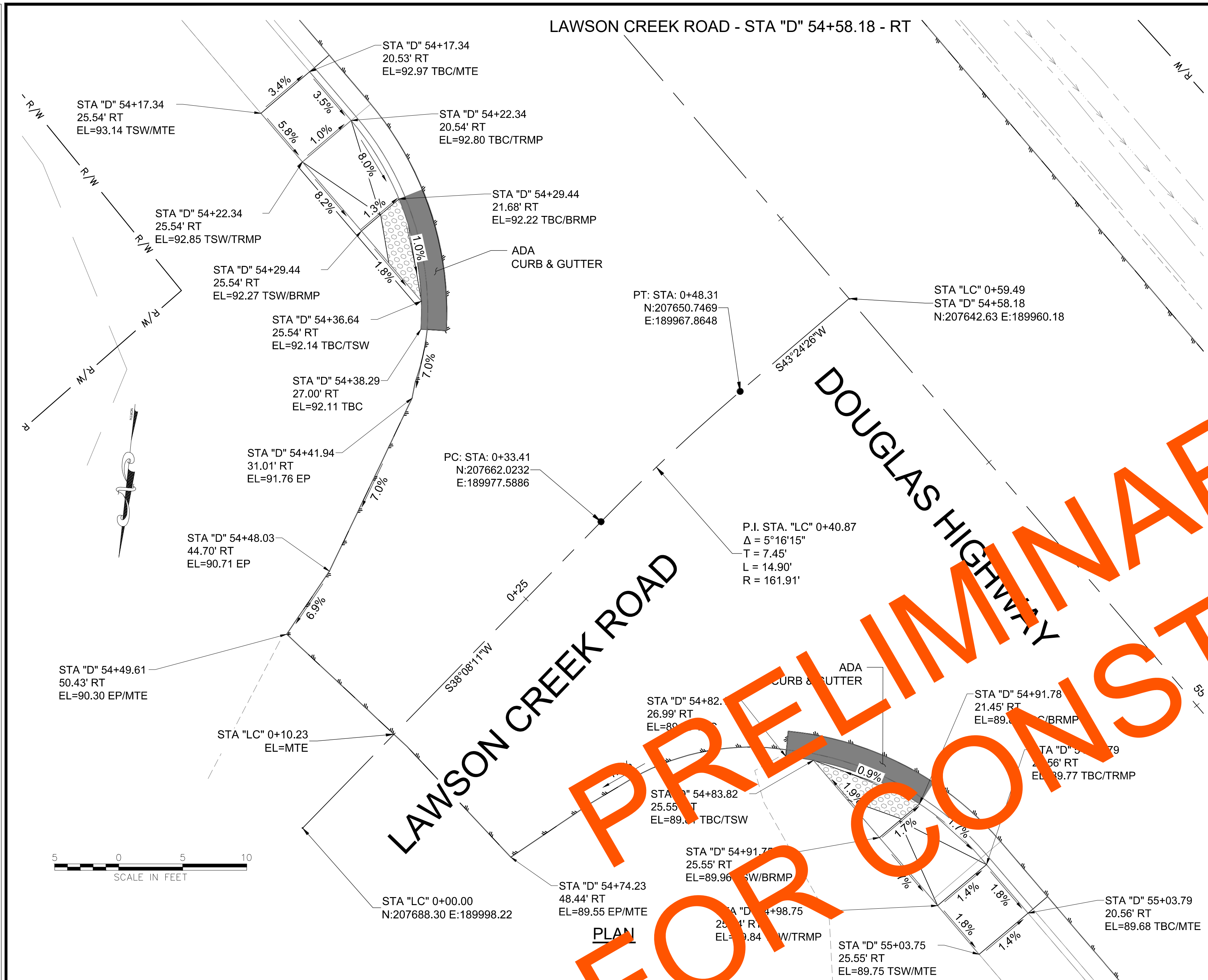
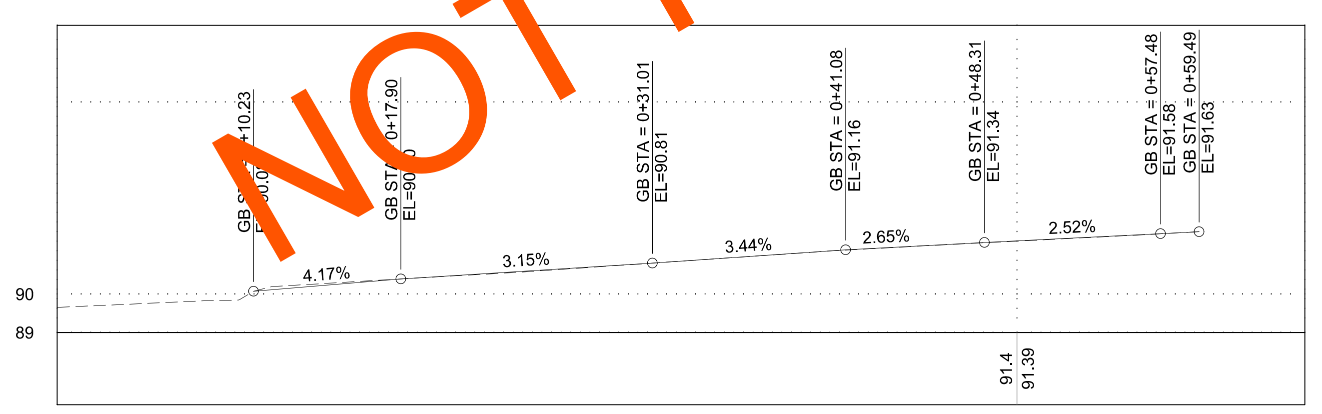
FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-GR-G-70897.dwg | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 8/5/2021 13:08 | LAYOUT G5 | PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE | CERTIFICATE OF AUTH #: AECL848 | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	G6	G8

LAWSON CREEK ROAD - STA "D" 54+58.18 - RT

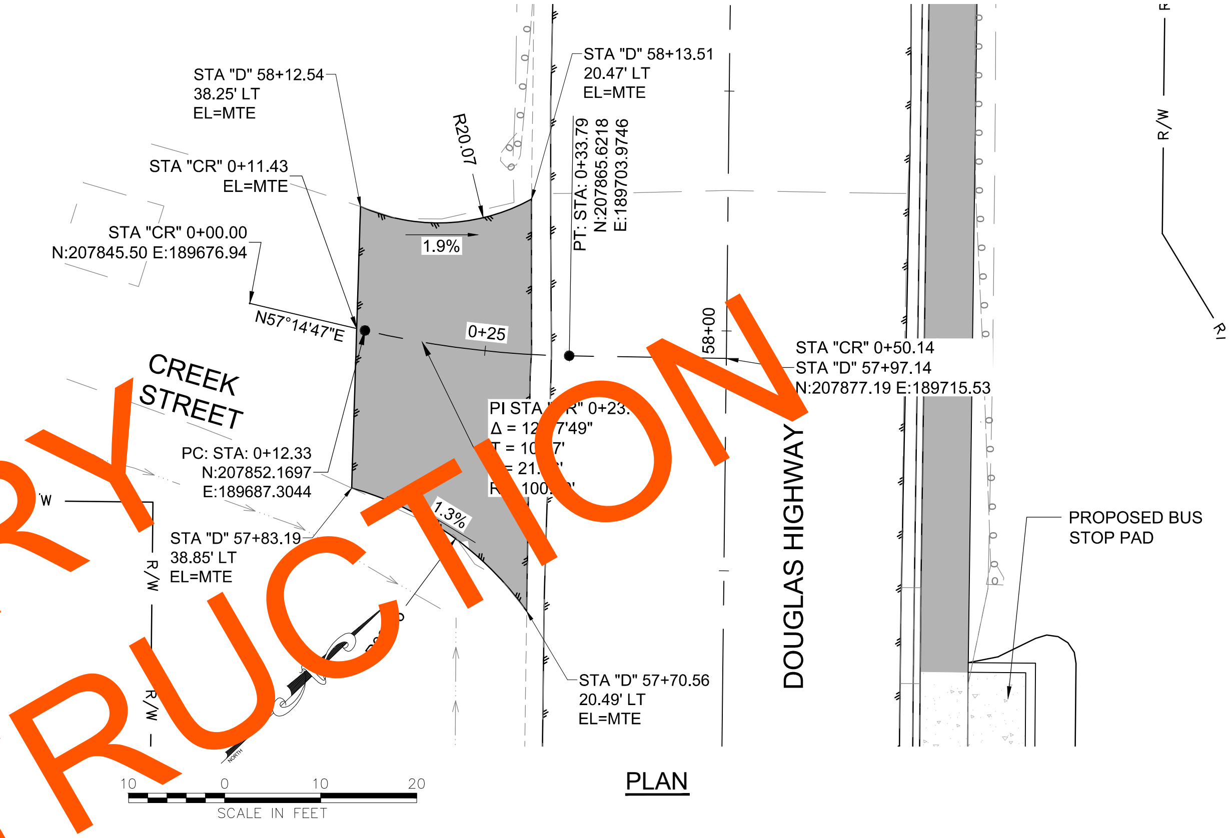


PLAN



PROFILE

CREEK STREET - STA "D" 57+97.14 - LT



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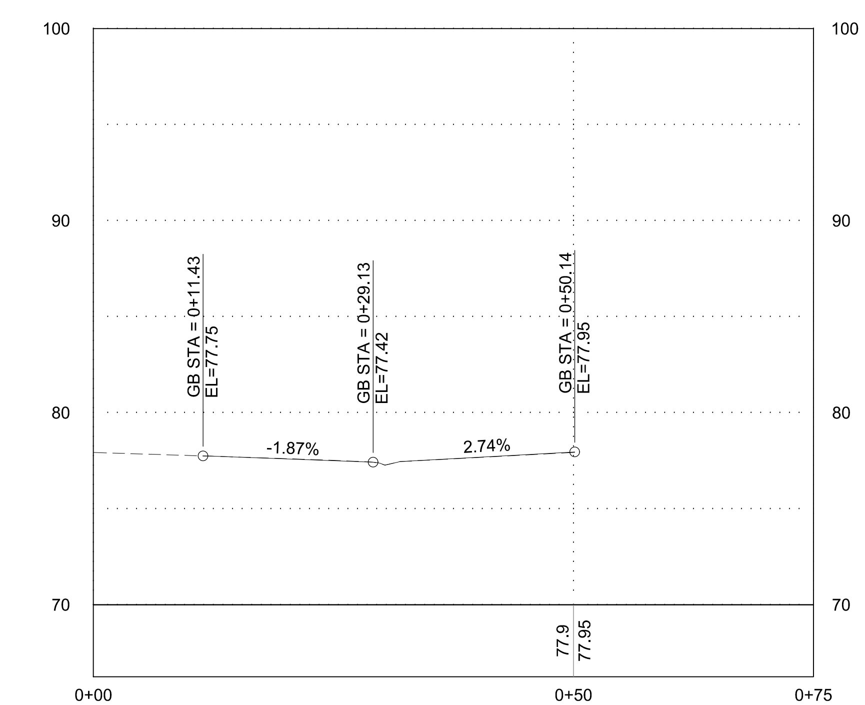

PROFILE

NOTES:

1. MATCH VERTICAL AND HORIZONTAL ALIGNMENT TO EXISTING.

PLANS DEVELOPED BY:
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ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
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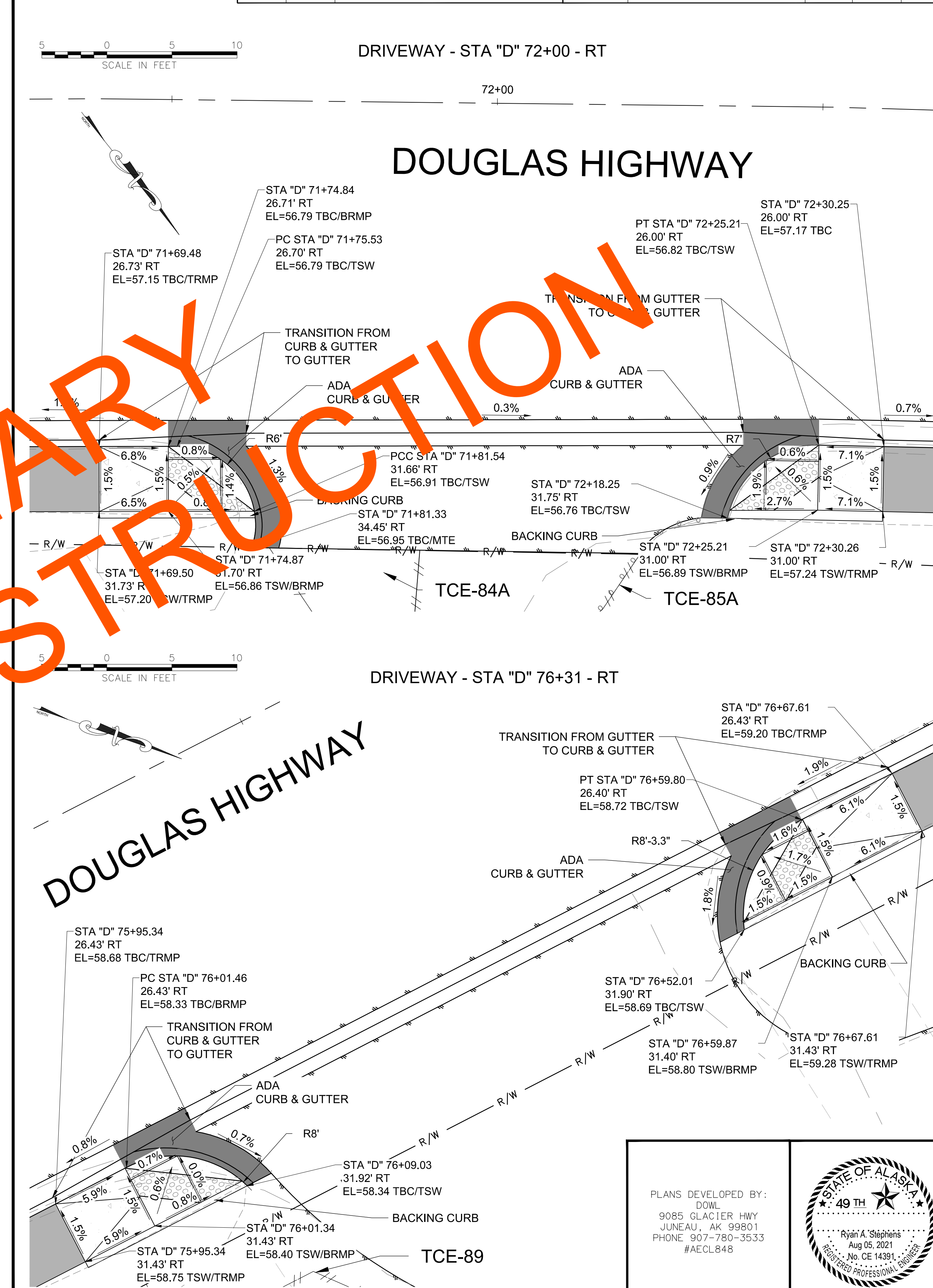
CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-GR-G-70897.dwg
DATE 8/5/2021 13:08
LAYOUT G6
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	G7	G8



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

STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

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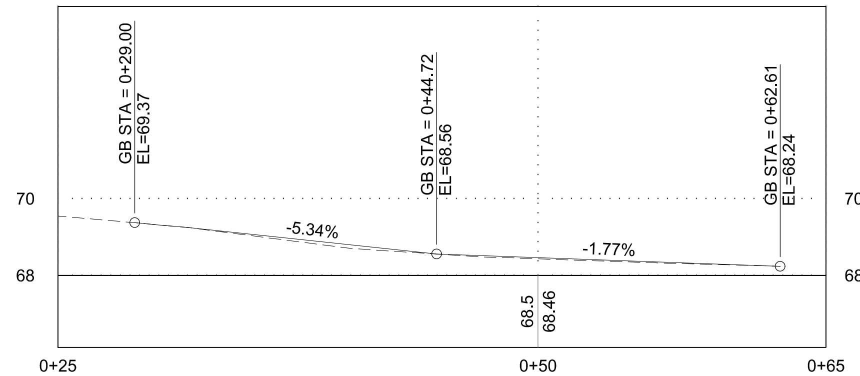
FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-GR-G-70897.dwg | DATE 8/5/2021 13:08 | LAYOUT G7 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	G8	G8

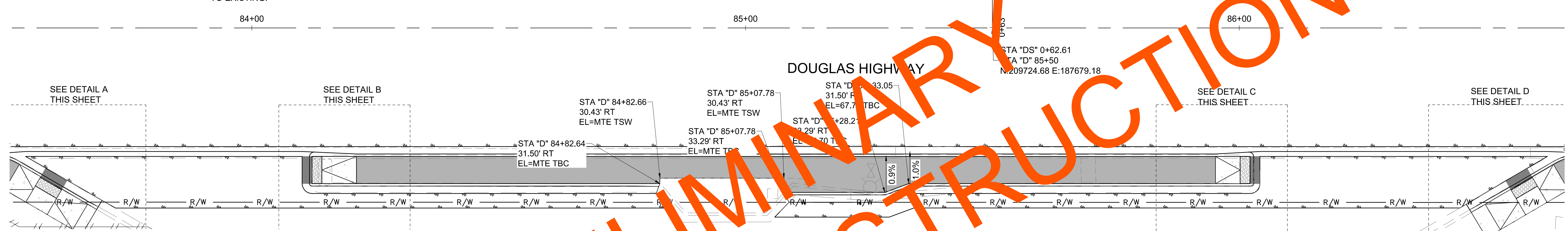
PLAN - DAVID STREET - STA "D" 85+50 - LT

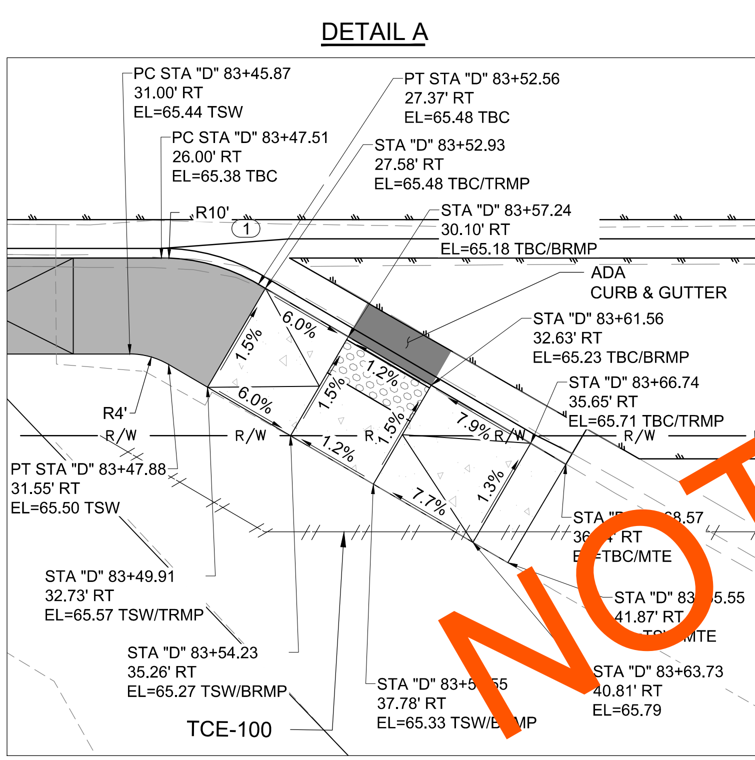


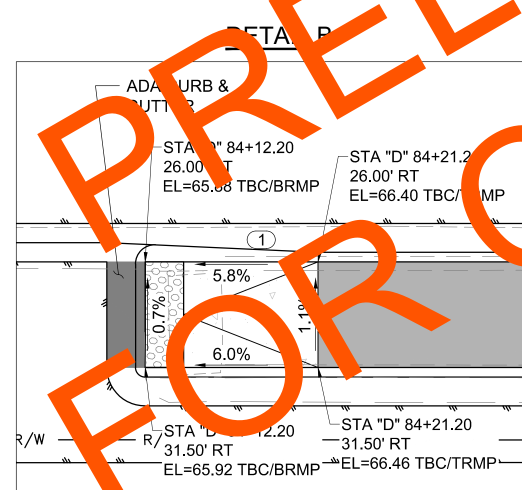
PROFILE - DAVID STREET

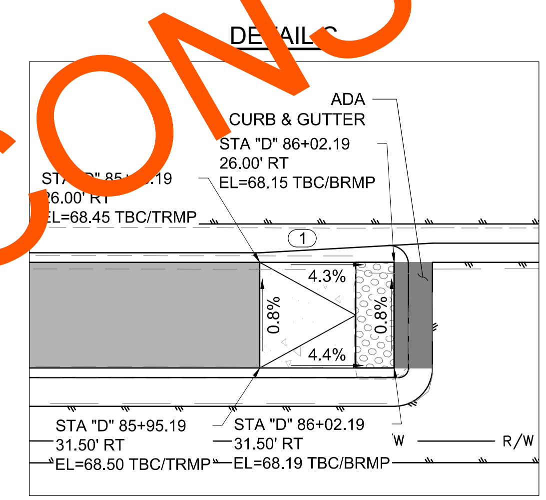
PROFILE NOTES:

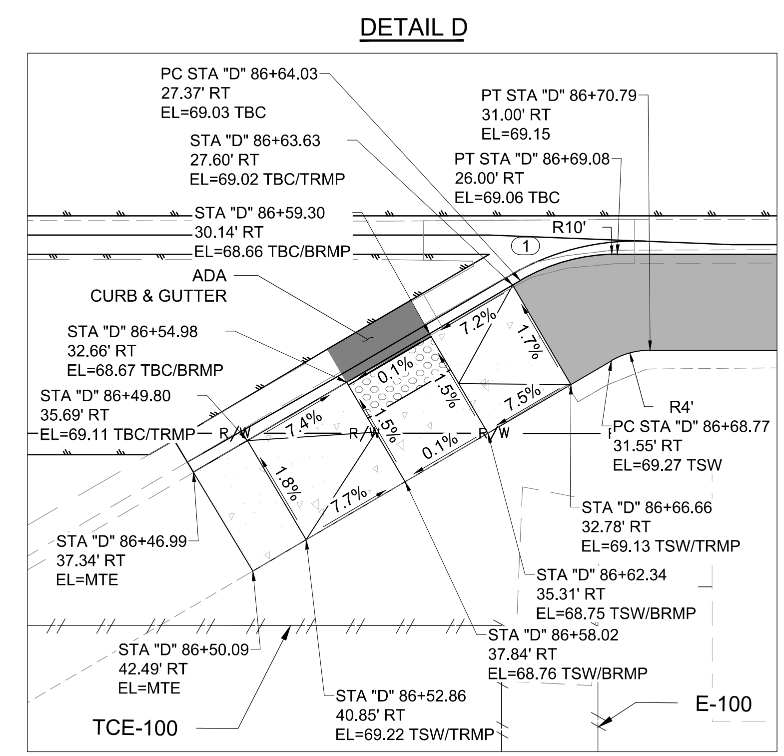
1. MATCH HORIZONTAL ALIGNMENT TO EXISTING.











PLAN NOTES (X):

1. TRANSITION BETWEEN CURB & GUTTER AND GUTTER

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DOWL
9085 GLACIER HWY
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STATE OF ALASKA 49TH
Ryan A. Stephens
Aug 05, 2021
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
			ALASKA	SFHWY00315/958032	2021	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		122
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

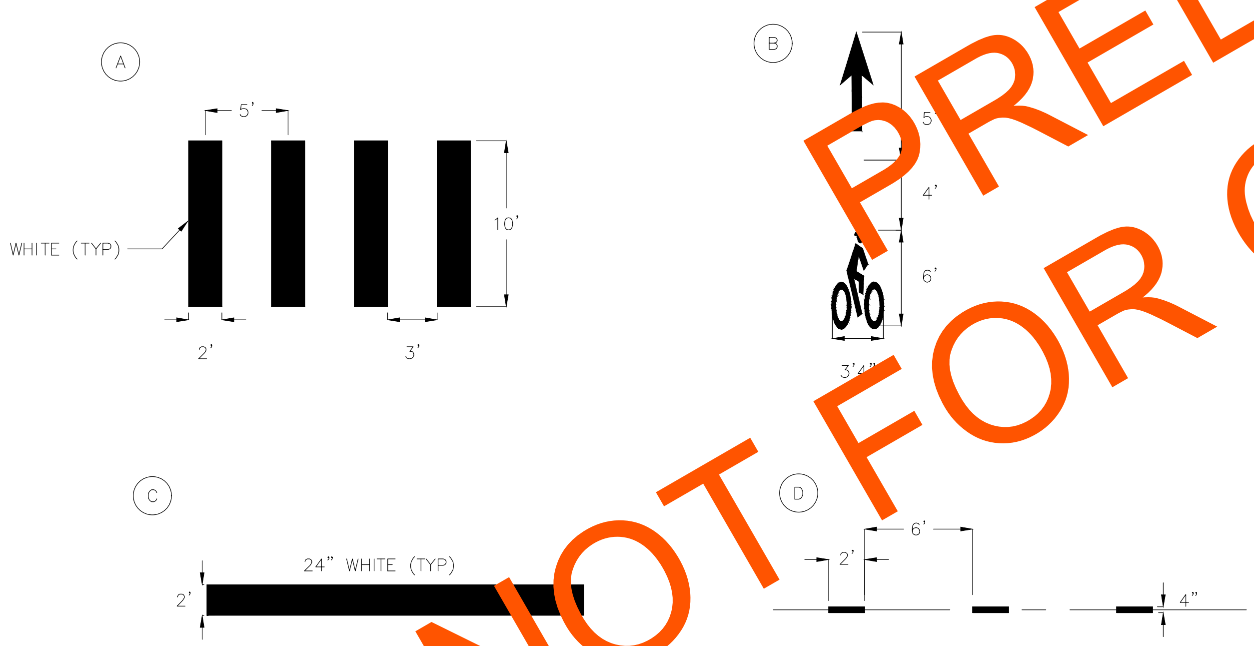
TRAFFIC MARKING SUMMARY

DESCRIPTION	UNIT	QUANTITY	STRIPING THICKNESS (MIL)	REMARKS
670.2002.0000 – MMA PAVEMENT MARKINGS, INLAID				
4" W	LF	19,67[illegible]	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	1,267	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

PLANS DEVELOPED BY:
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STATE OF ALASKA 49TH Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

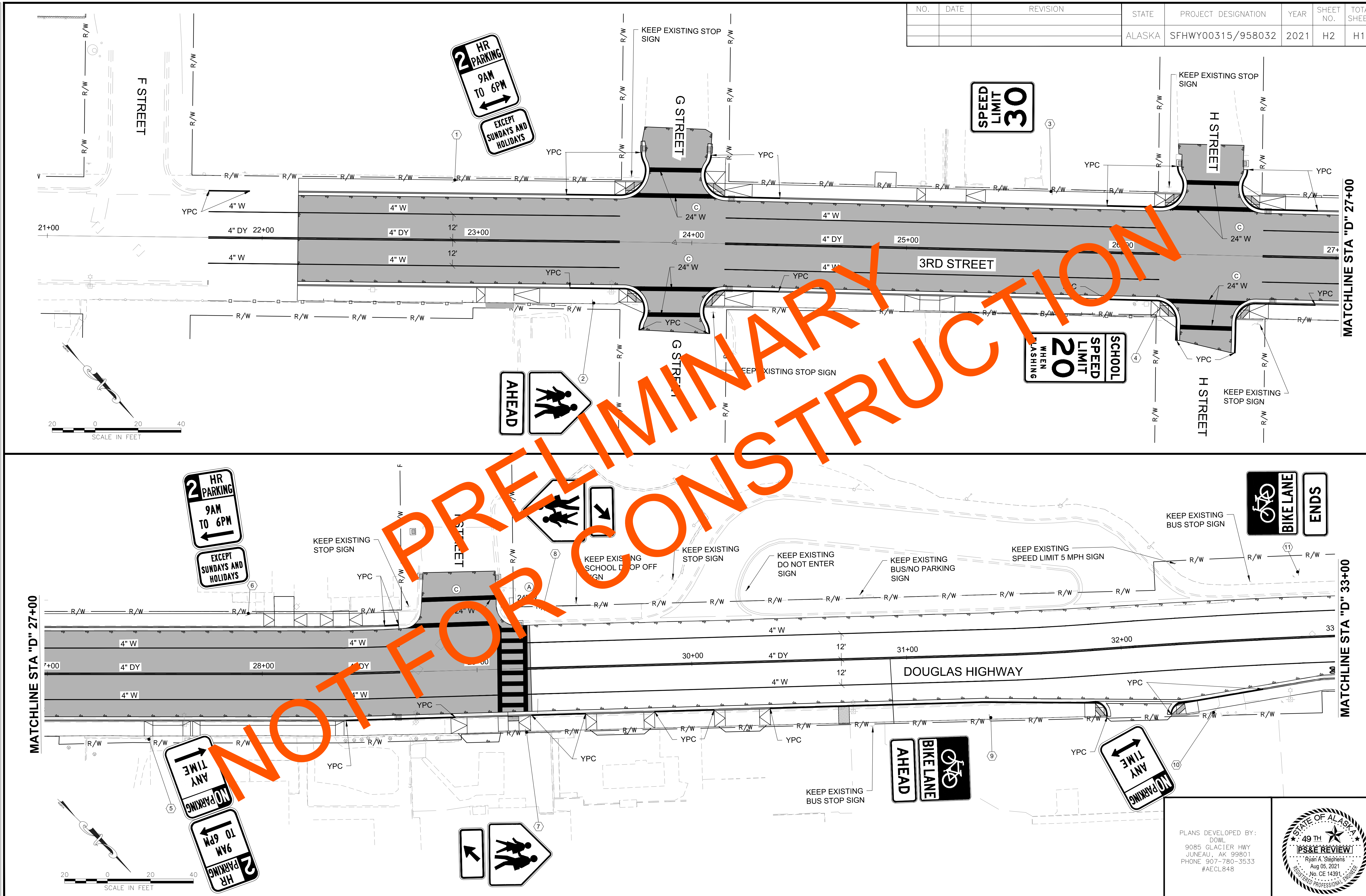
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

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
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg | DATE 7/15/2021 14:10 | LAYOUT H1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	H2	H11



PLANS DEVELOPED BY:
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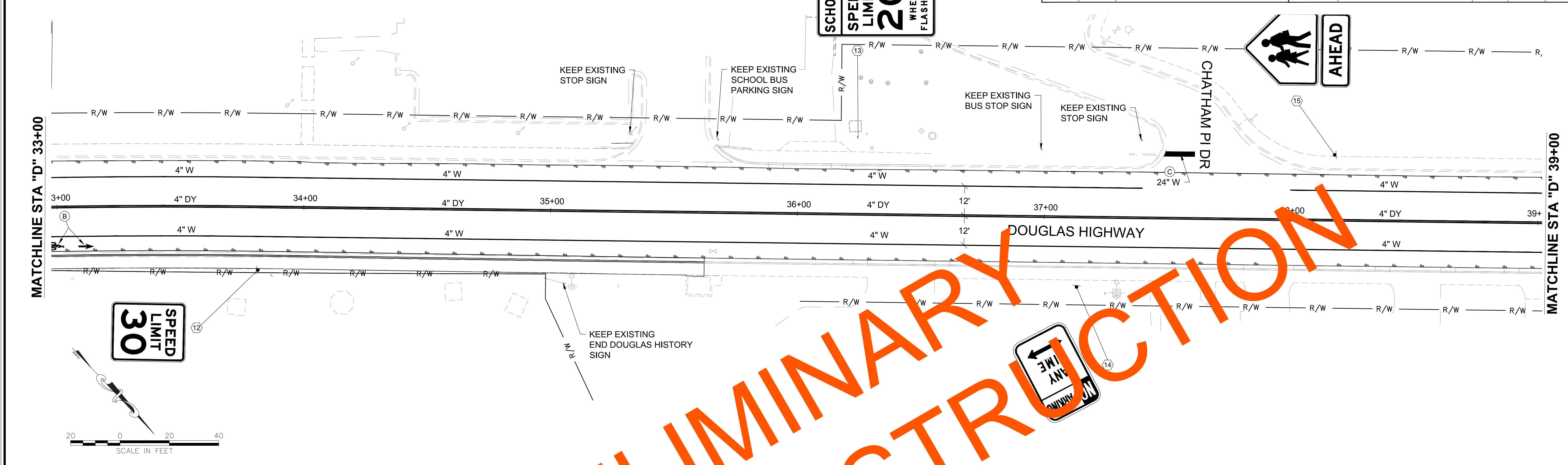
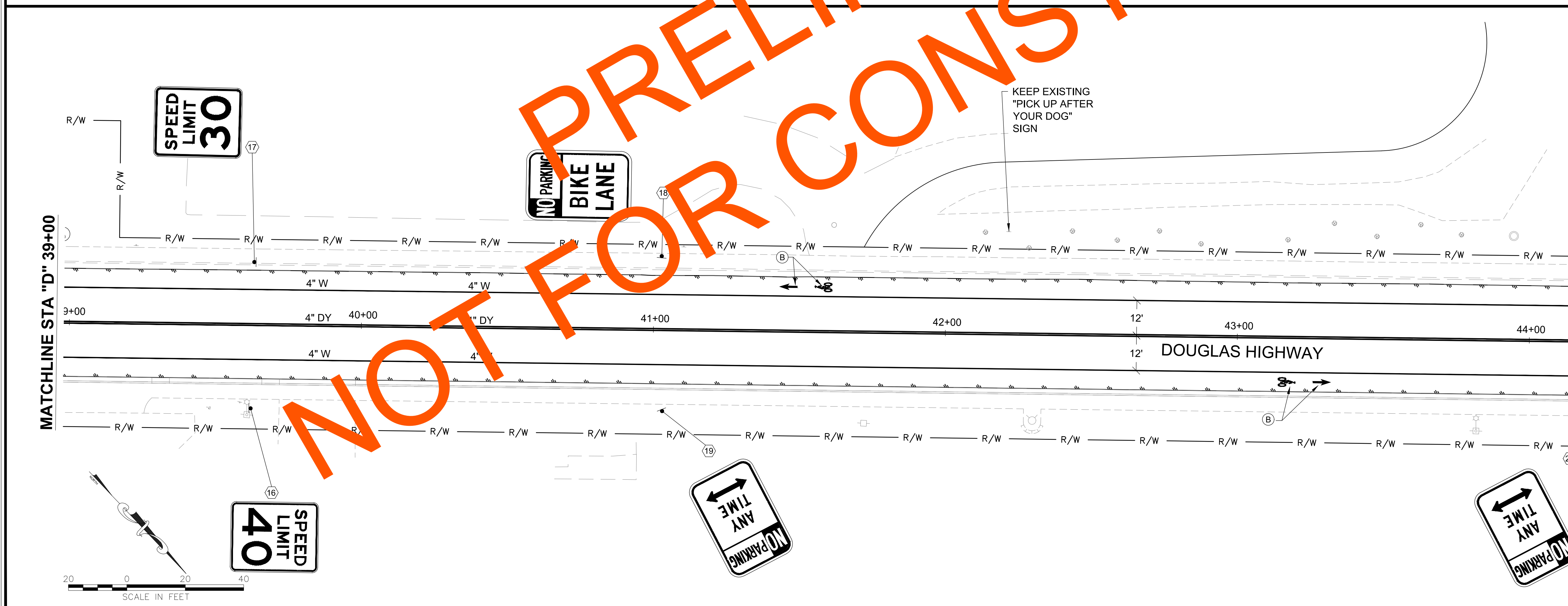
STATE OF ALASKA 49TH PS&E REVIEW Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 7/15/2021 14:10 | LAYOUT H2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-SS-H-70897.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	H3	H11





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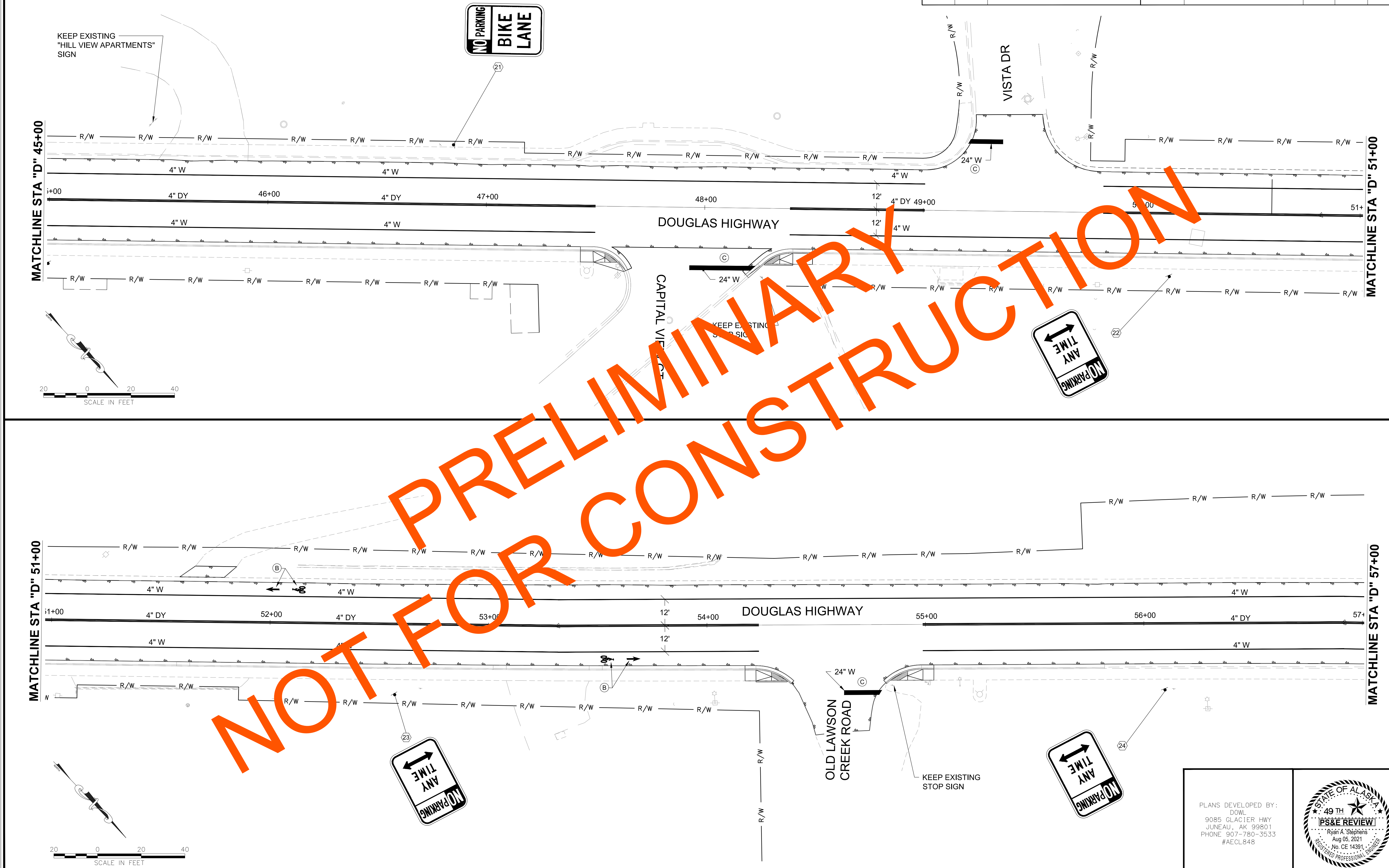
STATE OF ALASKA 49TH PS&E REVIEW Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 7/15/2021 14:10 | LAYOUT H3
PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR
CERTIFICATE OF AUTH #: AECL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	H4	H11



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PLANS DEVELOPED BY:
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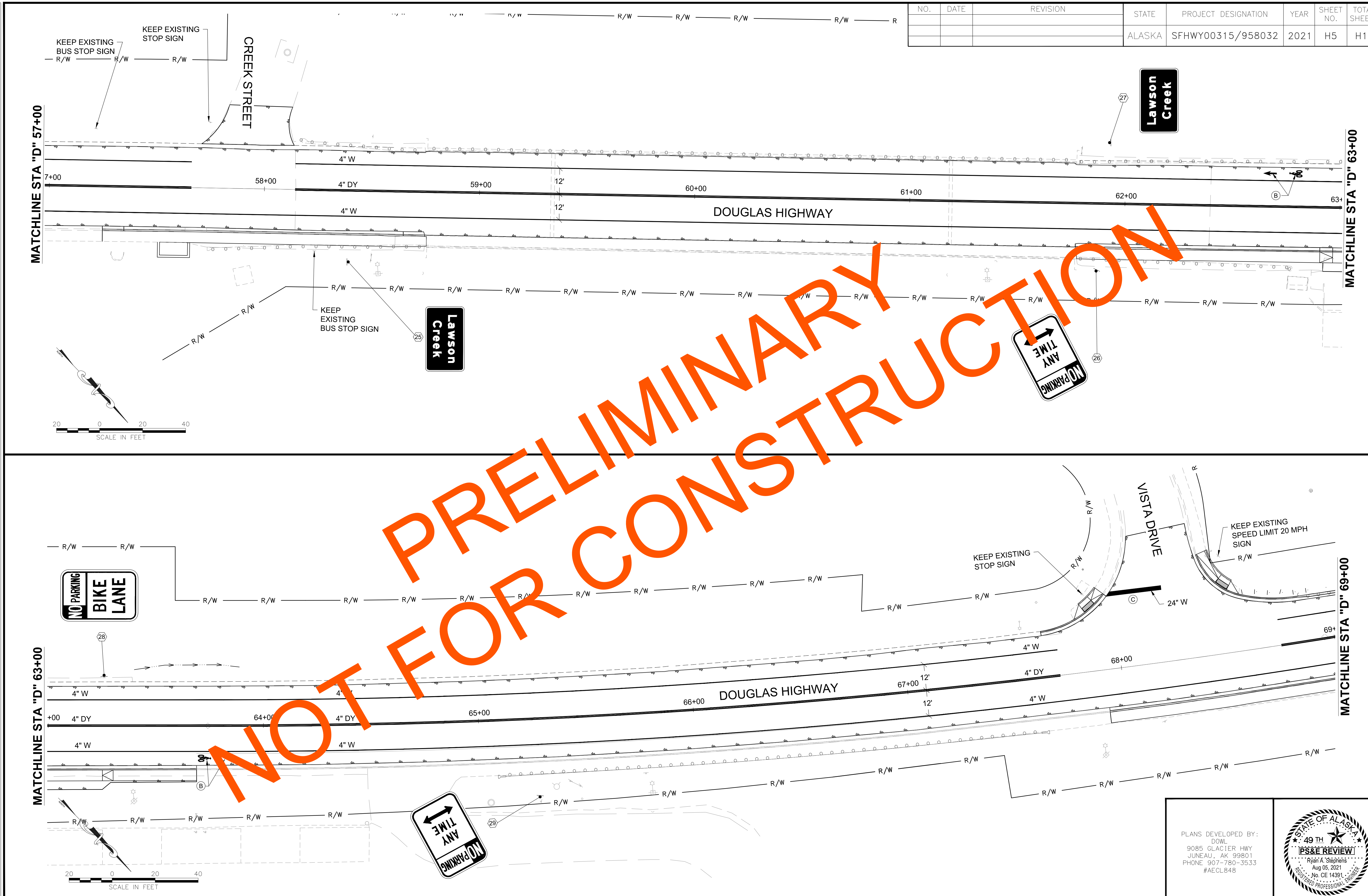
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	H5	H11



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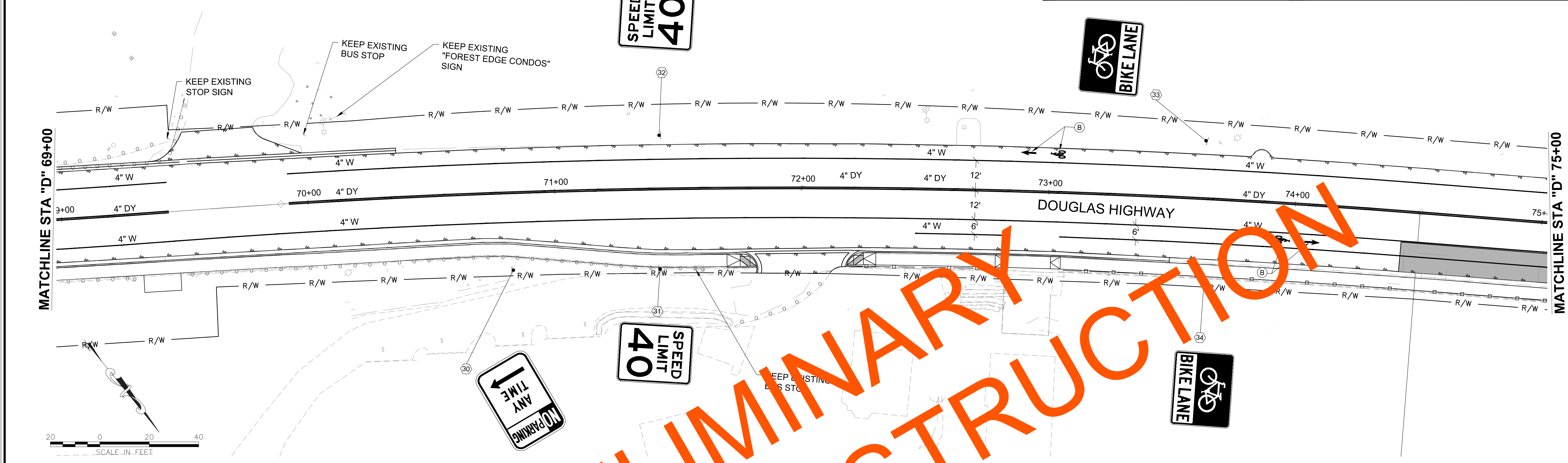
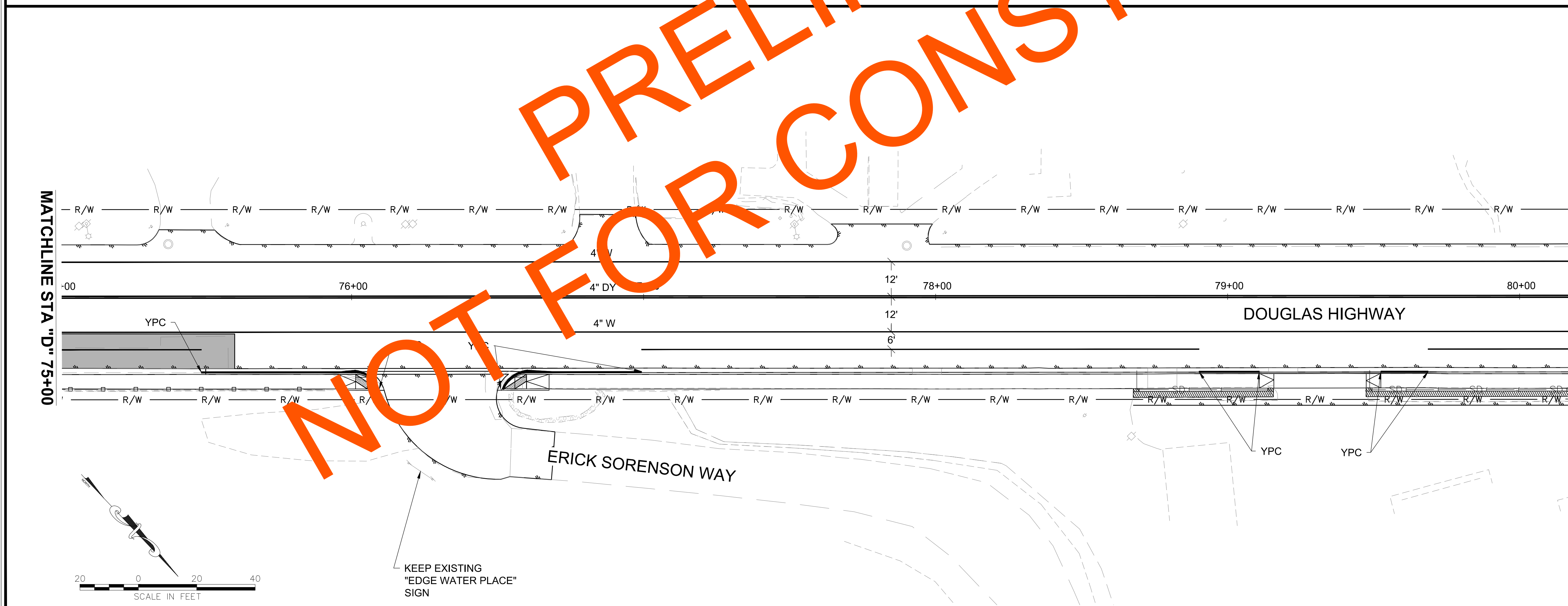
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 7/15/2021 14:10 | LAYOUT H5
PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848 | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	H6	H11





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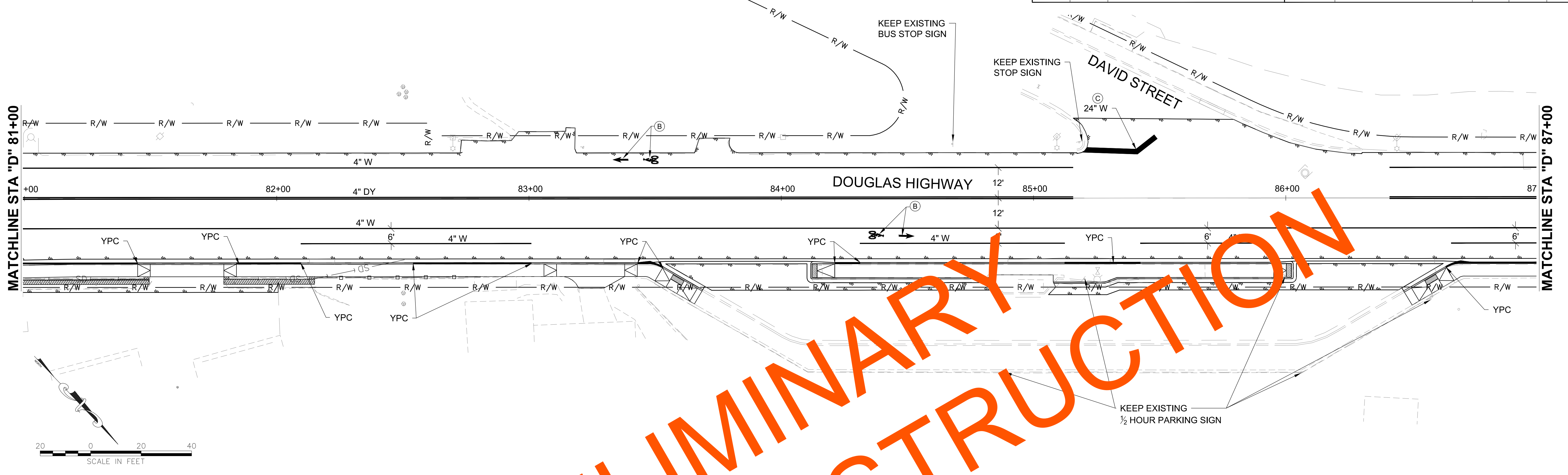
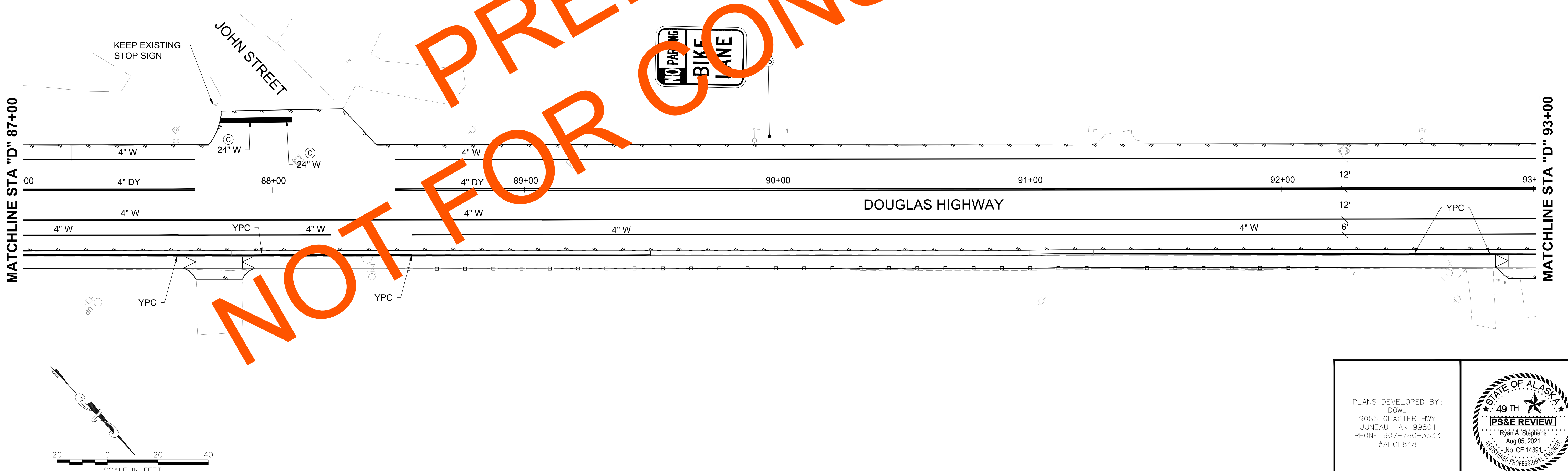
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 7/15/2021 14:10 | LAYOUT H6
PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848 | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	H7	H11





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STATE OF ALASKA 49TH
PS&E REVIEW
Ryan A. Stephens
Aug 05, 2021
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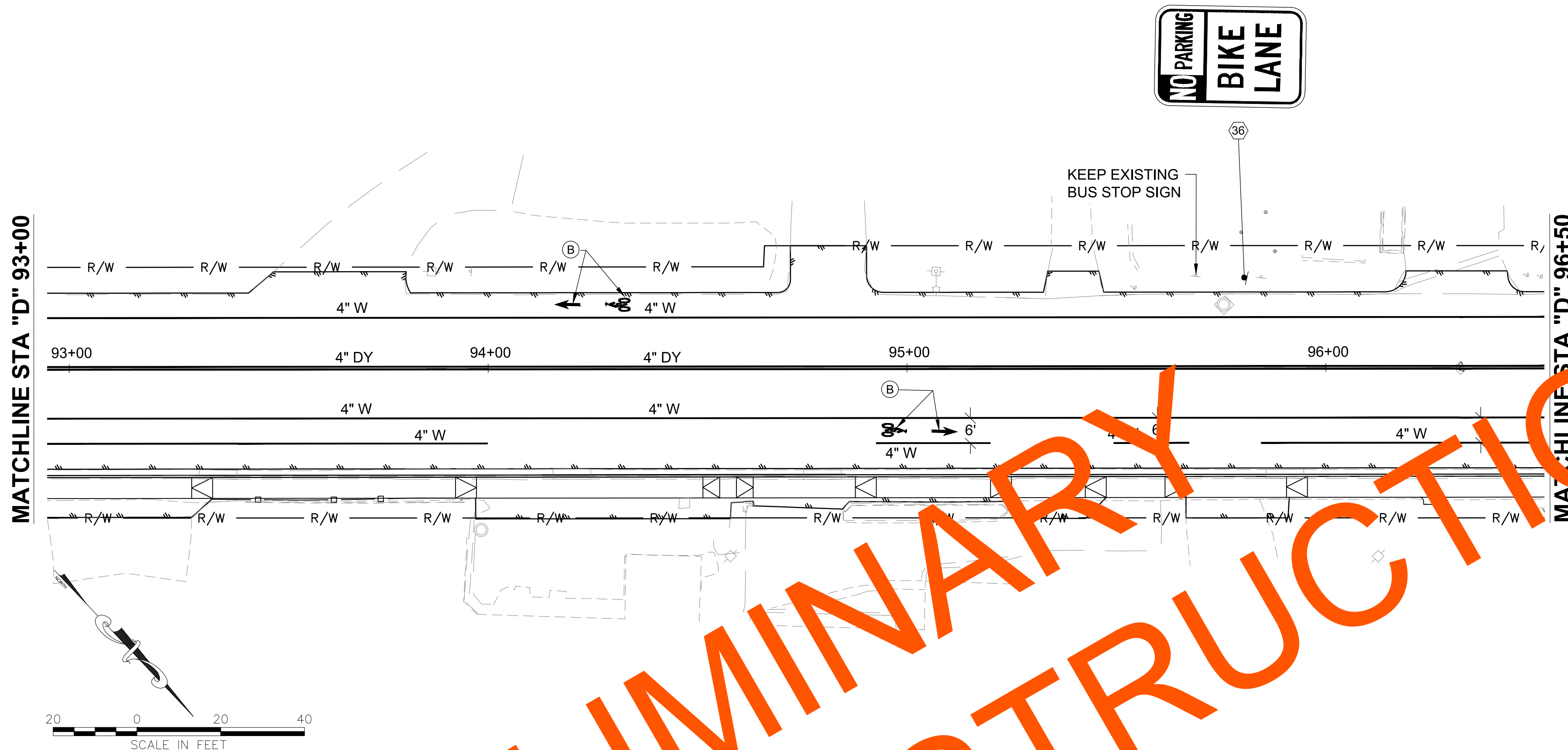
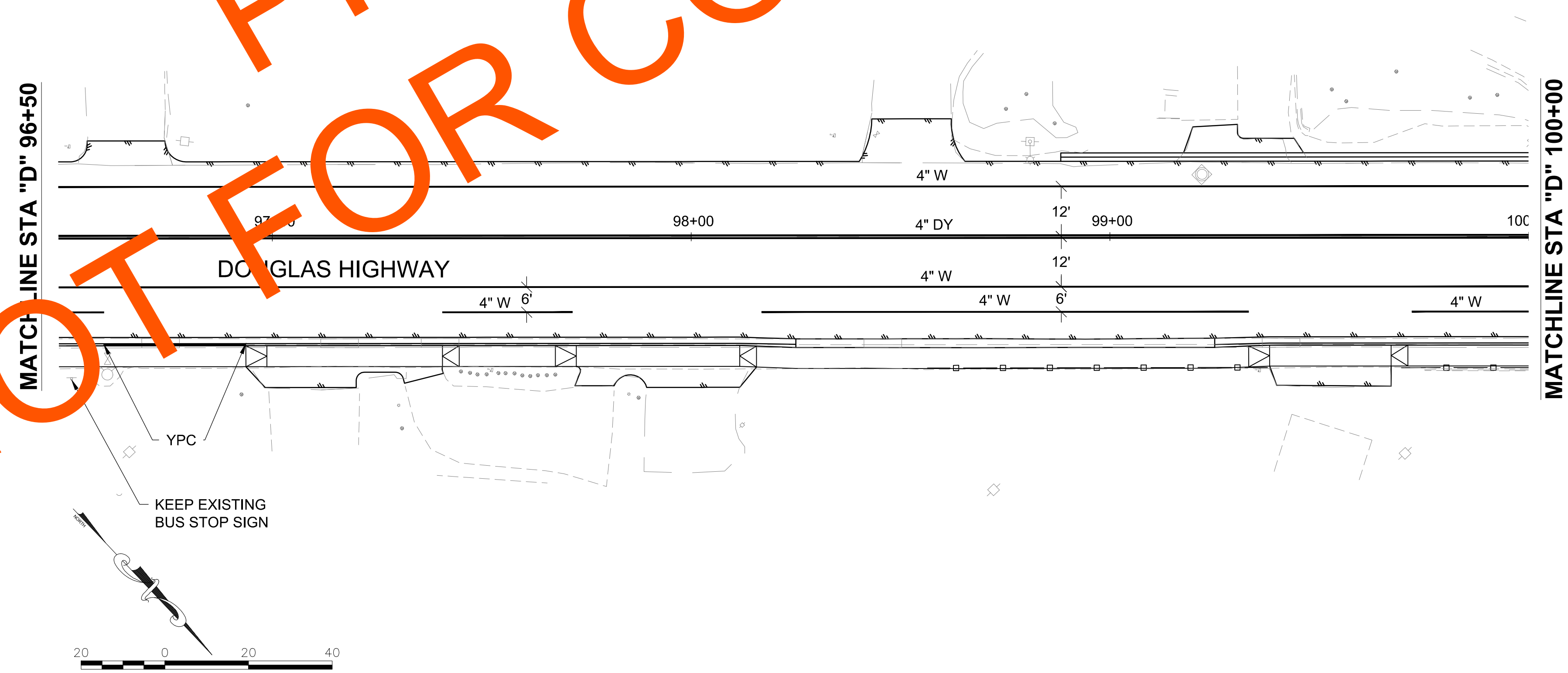
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-SS-H-70897.dwg | DATE 7/15/2021 14:10 | LAYOUT H7 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	H8	H11





FIRM DOWL
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
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FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg
DATE 7/15/2021 14:10 LAYOUT H8
DESIGNED STEPHENS CHECKED NOBLE DRAFTED LAFAVOUR

PLANS DEVELOPED BY:
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STATE OF ALASKA
49TH
PS&E REVIEW
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	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	SE	1-2.5" PST	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-05.01.
	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	1-2.5" PST	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	1-2.5" PST	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[illegible]PL	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		

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STATE OF ALASKA 49TH
Ryan A. Stephens
Aug 05, 2021
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

FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg | DATE 7/15/2021 14:10 | LAYOUT H9 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	H10	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	
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–05.01.
	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	1–2.5" PST	X		SIGN [illegible]OR SHA[illegible] BE FLUORESCENT YELLOW GREEN. ADD REFLECTIVE SHEETING TO POST. MOUNT [illegible] UNDER S1–1 ON SAME [illegible]T.
				W16–9P	AHEAD	24	12	2					
	16	"D" 39+62	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	[illegible]	S	1–2.5" PST			
	20	"D" 45+00	RT	R7P–101RL	NO PARKING ANYTIME	12	18	1.5	S	[illegible]			
H4	21	"D" 46+85	LT	R7–9	NO PARKING BIKE LANE	12	18	1.5	[illegible]	[illegible] 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	[illegible]	[illegible]	S	1–2.5" PST			
	24	"D" 56+10	RT	R7P–101RL	NO PARKING [illegible]	12	18	1.5	S	1–2.5" PST			

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STATE OF ALASKA 49 TH
Ryan A. Stephens
Aug 05, 2021
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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

FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg | DATE 7/15/2021 14:10 | LAYOUT H10 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	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-05.01, AND S-32.00.
	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-05.01, AND S-32.00.
	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-05.01, AND S-32.00.
H6	30	"D" 70+81	RT	R7-101R	NO PARKING ANYTIME	12	18	1.5	S	1-2.5" PST			
	31	"D" 71+42	RT	R2-1	SPEED LIMIT 40	24	30	5	SE	1-2.5" PST			
	32	"D" 71+42	LT	R2-1	SPEED LIMIT 40	24	30	5	NW	1-2.5" PST			
	33	"D" 73+63	LT	R3-17	BIKE LANE	30	24	5	NW	1-2.5" PST	X		
	34	"D" 73+65	RT	R3-17	BIKE LANE	30	24	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			

PRELIMINARY
NOT FOR CONSTRUCTION

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

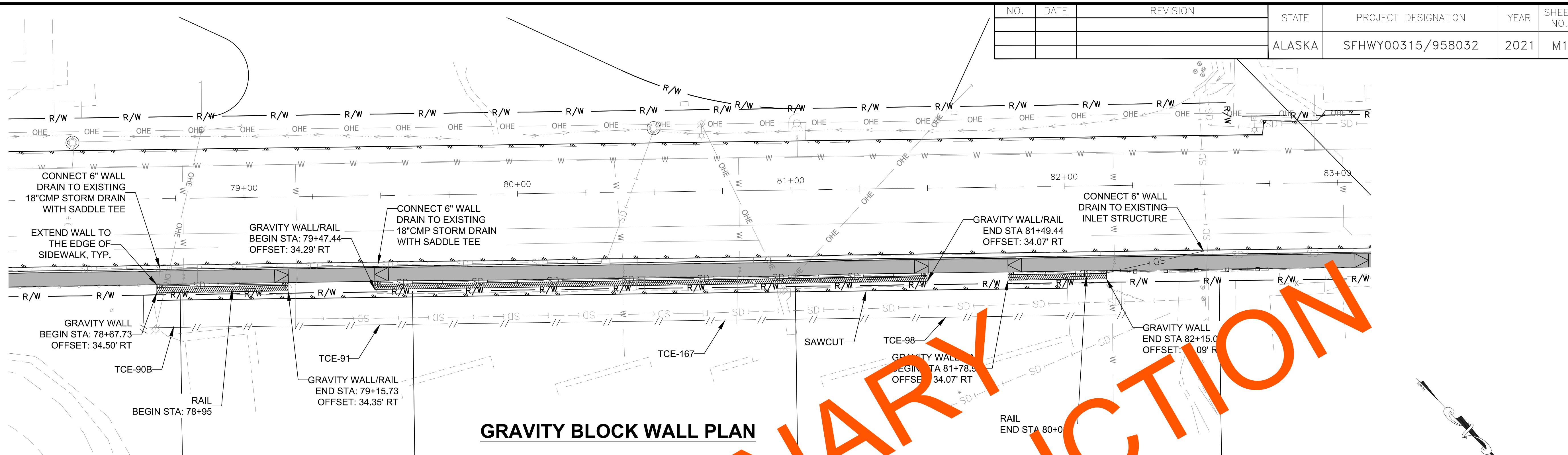
STATE OF ALASKA 49 TH
Ryan A. Stephens
Aug 05, 2021
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

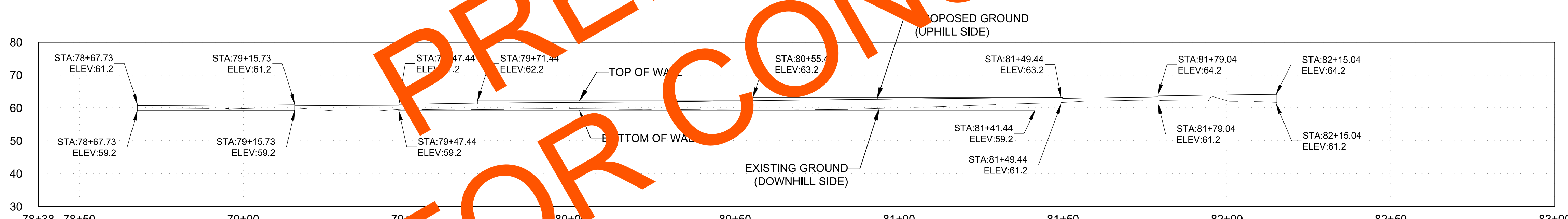
JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

SIGN SUMMARY

FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-SS-H-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 7/15/2021 14:10 | LAYOUT H11
PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848 | DRAFTED LAFAVOUR



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 EXC[illegible] HEIGH[illegible]
3. ALL PARTS OF GRAVITY BLOCK WALL TO S[illegible] WITHIN THE PERMITTED RIGHT OF WAY.

PRELIMINARY
NOT FOR CONSTRUCTION

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

STATE OF ALASKA 49TH PS&E REVIEW Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

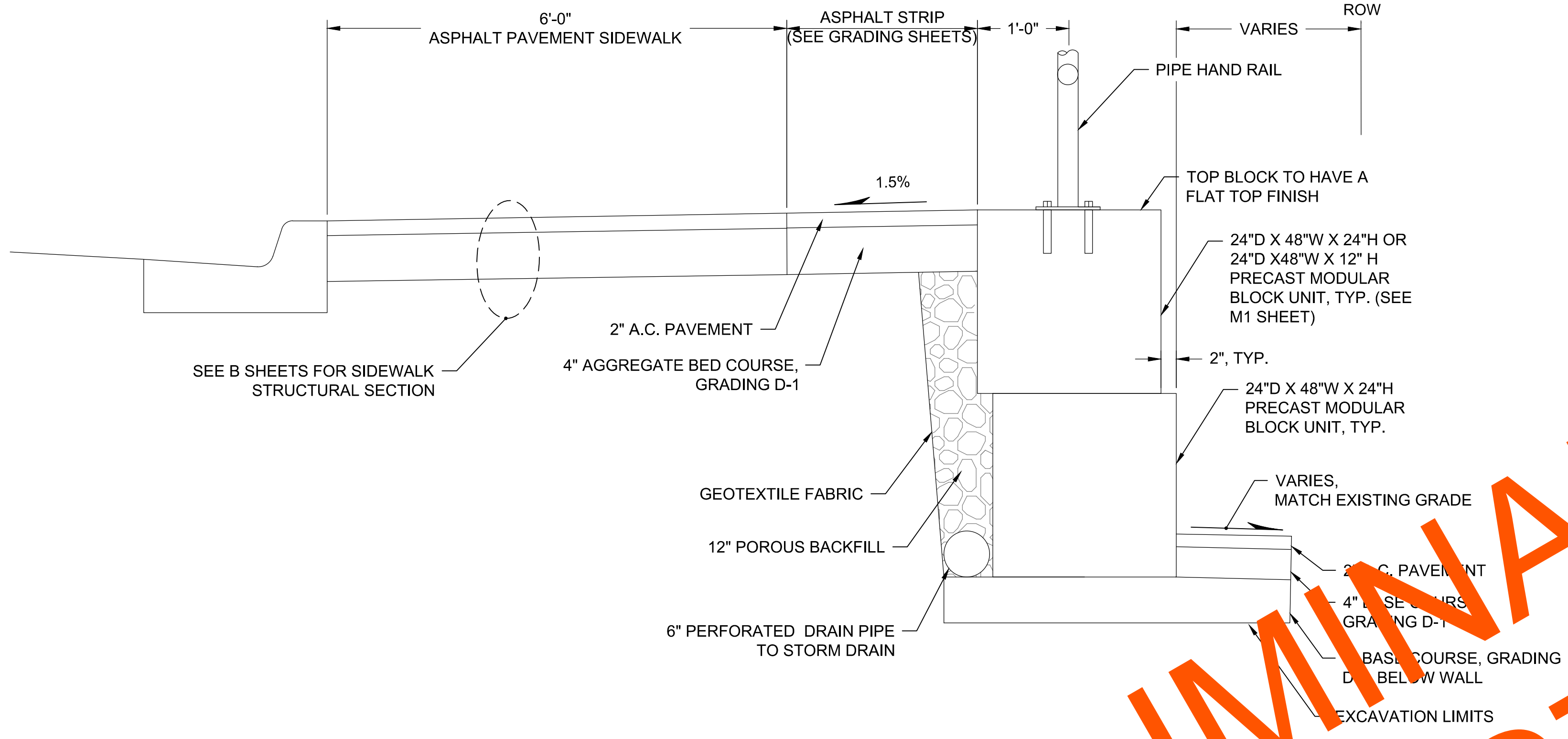
JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

GRAVITY BLOCK WALL PLAN AND PROFILE

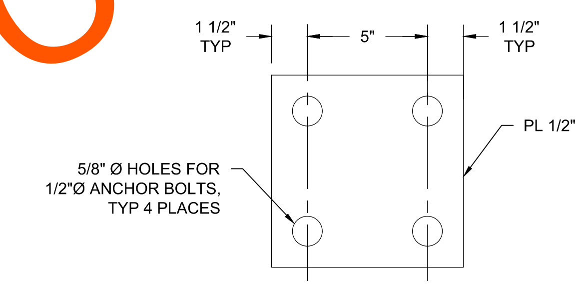
NO.	DATE	REVISION

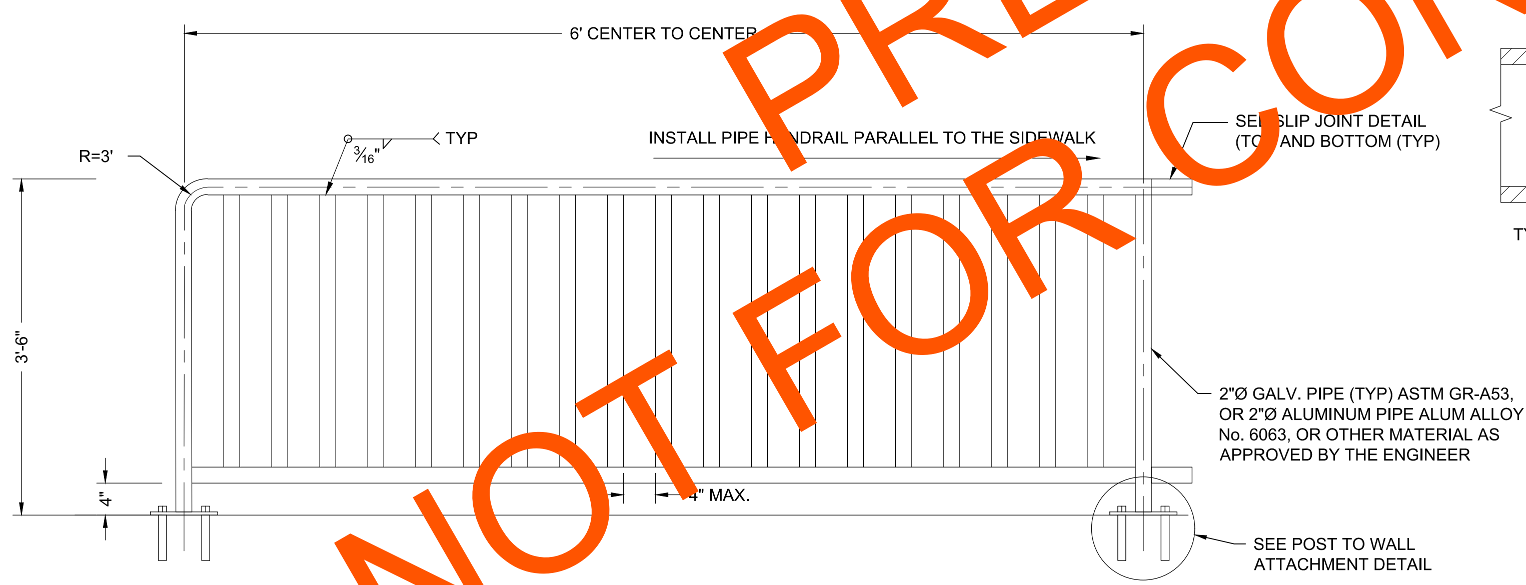
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	M2	M2

NOTES:
1. MODULAR BLOCK UNITS SHALL HAVE A WORLD BLOCK 4" MULTI STONE SURFACE FINISH OR APPROVED EQUAL.
2. MODULAR BLOCK FILL PICK POINTS SHALL BE FILLED WITH NON SHRINK GROUT.

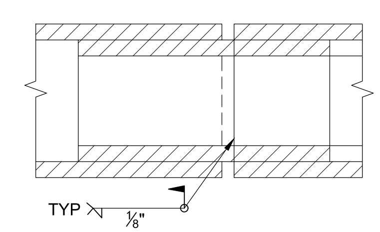


GRAVITY BLOCK WALL TYPICAL DETAIL

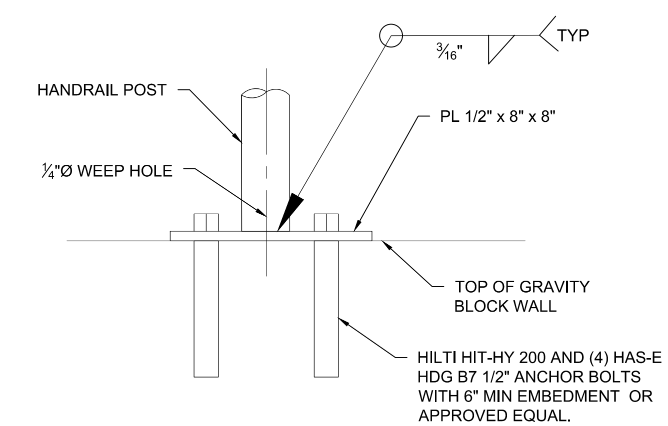




TYPICAL PIPE HANDRAIL ELEVATION



SLIP JOINT DETAIL



POST TO WALL CONNECTIONS

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

STATE OF ALASKA 49 TH PS&E REVIEW Ryan A. Stephens Aug 05, 2021 No. CE 14391 REGISTERED PROFESSIONAL ENGINEER

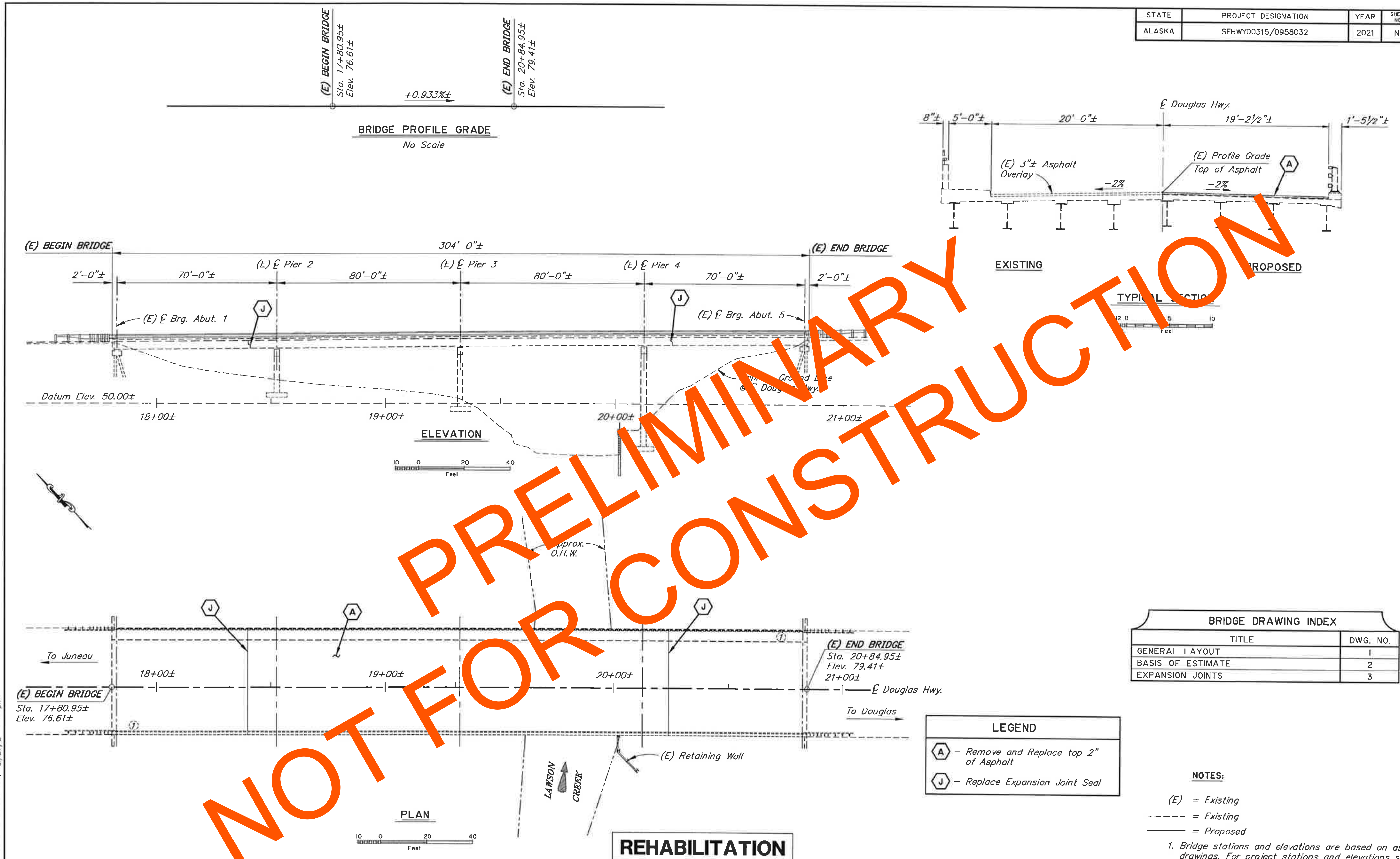
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU DOUGLAS HIGHWAY
PM CONSTRUCTION
STAGE II

GRAVITY BLOCK WALL AND HANDRAIL DETAILS

FIRM DOWL | 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-RT-M-70897.dwg | DATE 7/26/2021 11:16 | LAYOUT M2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

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



PRELIMINARY
NOT FOR CONSTRUCTION

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.

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: 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 SE# 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

PRELIMINARY
NOT FOR CONSTRUCTION

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 QUAN.
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
PL	= 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		

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

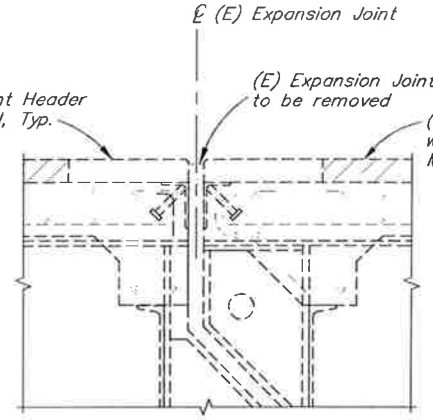
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

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

LAWSON CREEK BRIDGE
DOUGLAS HIGHWAY
ESTIMATE OF QUANTITIES

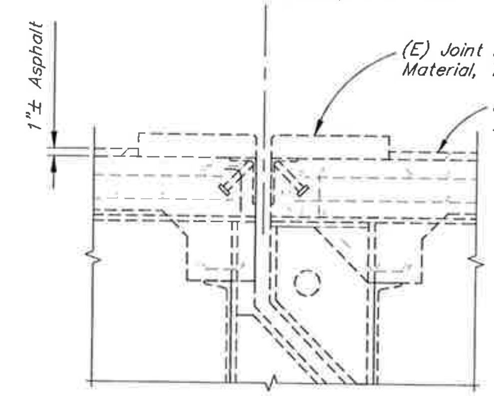
BRIDGE NO. 788
DWG. NO. 2

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



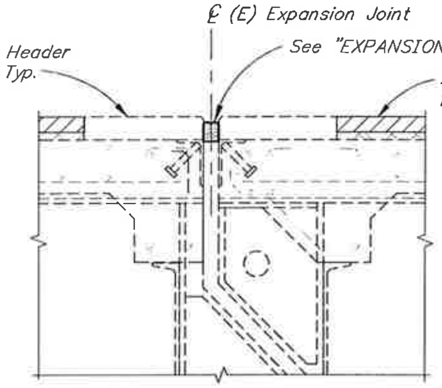
EXISTING SECTION

12 6 0 1 2
In. Feet



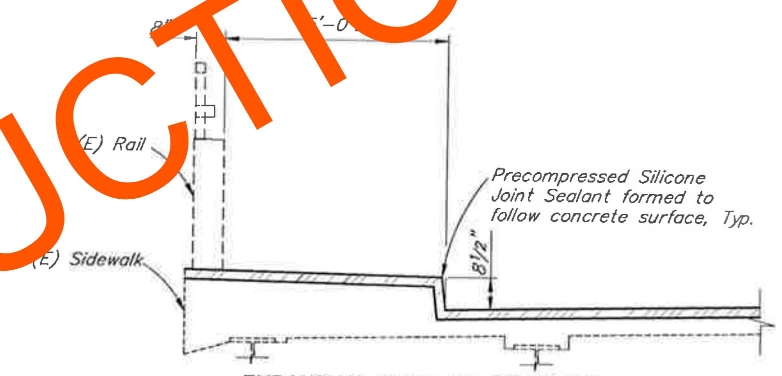
PREPARED SECTION

12 6 0 1 2
In. Feet



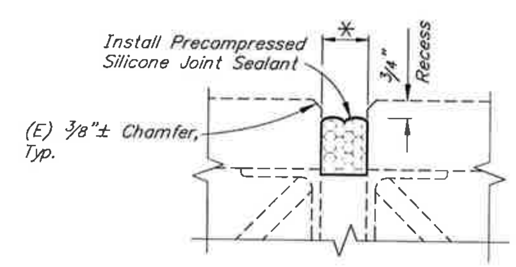
PROPOSED SECTION

12 6 0 1 2
In. Feet



EXPANSION JOINT AT SIDEWALK

12 6 0 1 2 3 4
In. Feet



EXPANSION JOINT

6 3 0 1
In. Feet

NOTES:

(E) = Existing
- - - - - = Existing
——— = Proposed
⚹ = 2"± at 60°F (Adjust ⅛" 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.

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

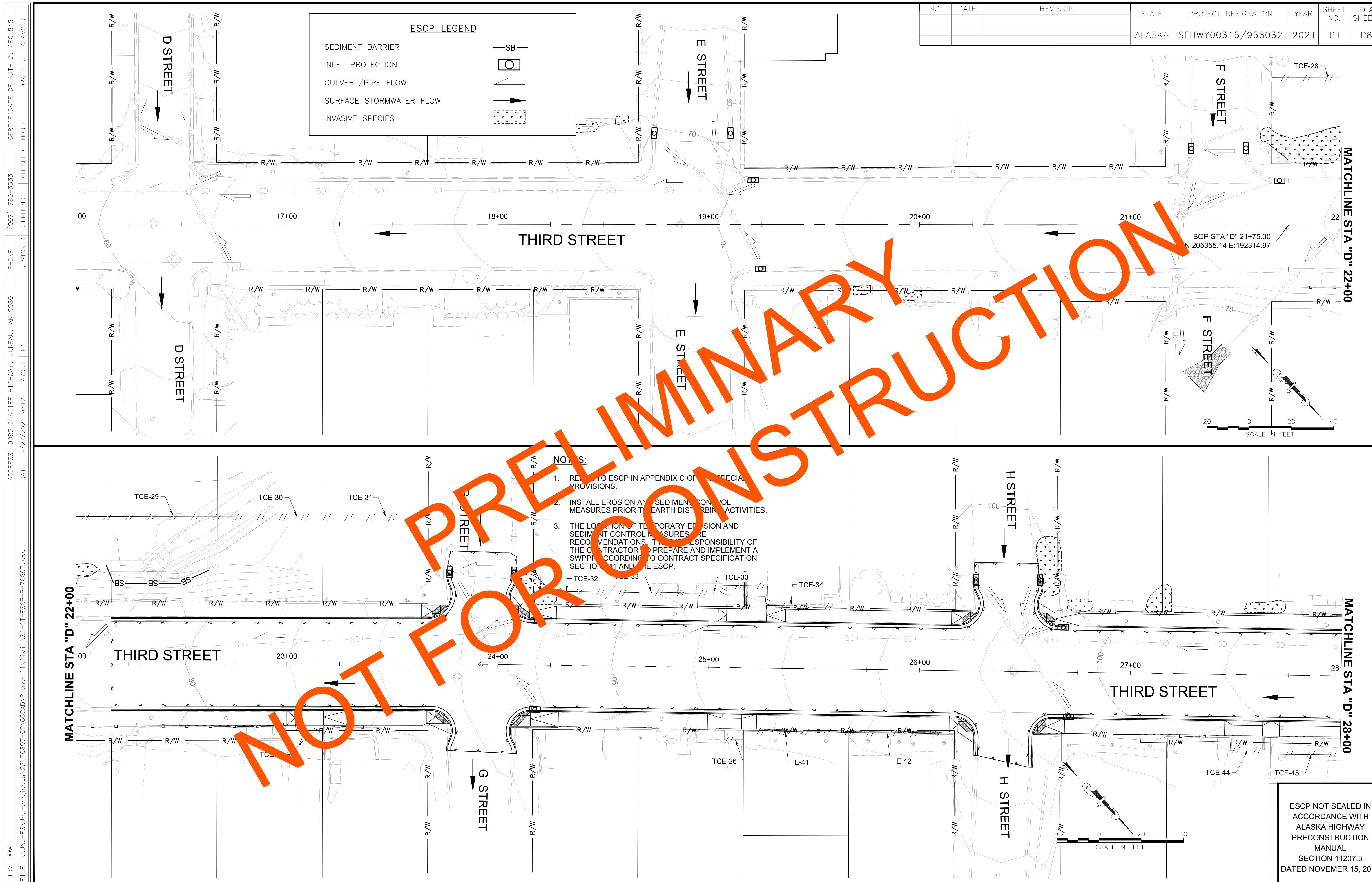
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

STATE OF ALASKA 49TH
Jesse Escamilla III
07-27-2021
SE# 125542
REGISTERED STRUCTURAL ENGINEER

LAWSON CREEK BRIDGE
DOUGLAS HIGHWAY
EXPANSION JOINTS

BRIDGE NO. 788
DWG. NO. 3

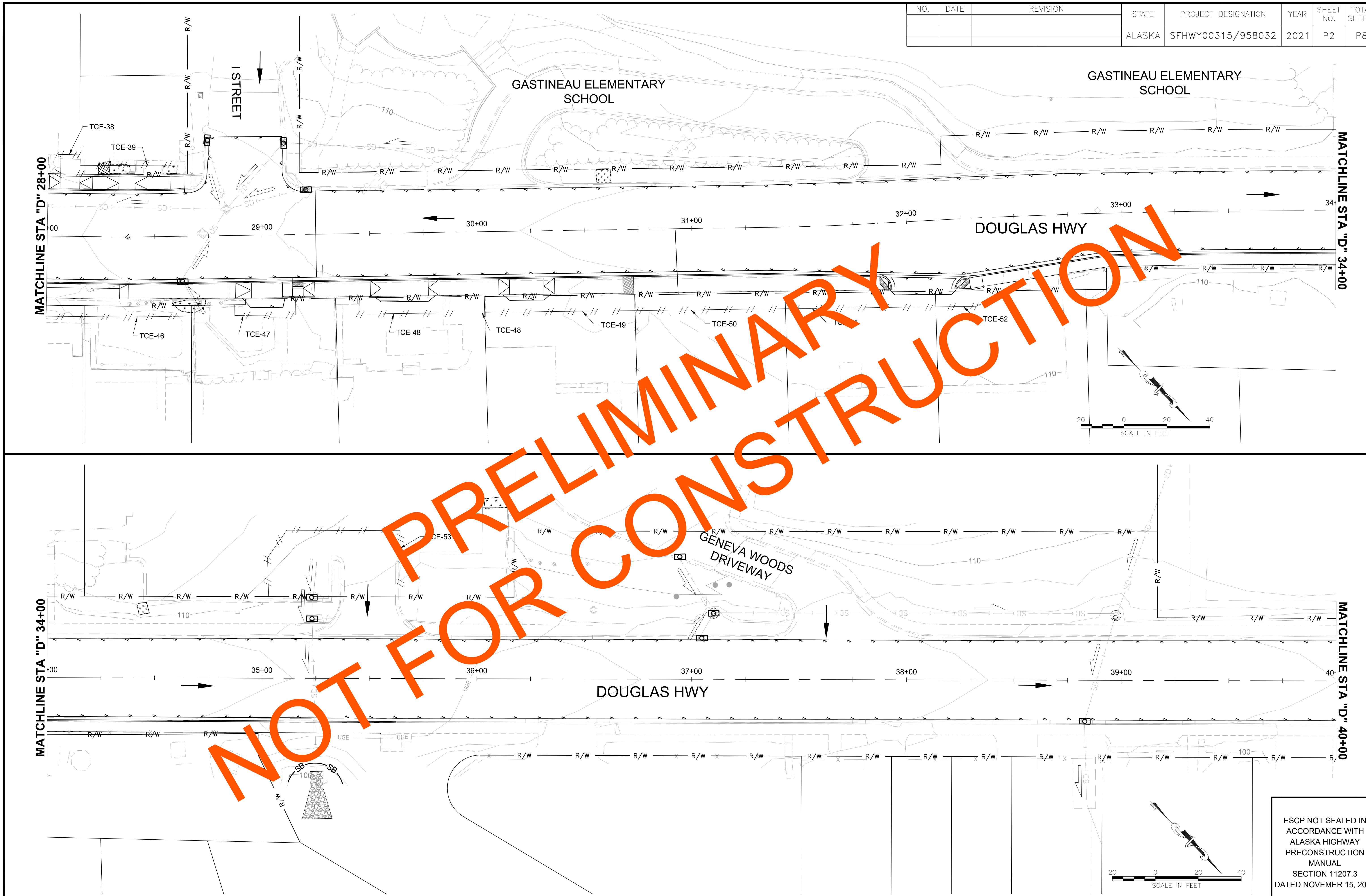
R:\cad\788\788 Joint Rehab-EXPANSION JOINTS & CONCRETE PARAPET Tue, Jul/27/21 04:39pm



NO. | DATE | REVISION
STATE: ALASKA | PROJECT DESIGNATION: SFHWY00315/958032 | YEAR: 2021 | SHEET NO.: P1 | TOTAL SHEETS: P8
ESCP LEGEND
SEDIMENT BARRIER
INVASIVE SPECIES
INLET PROTECTION
CULVERT/PIPE FLOW
SURFACE STORMWATER FLOW
THIRD STREET
D STREET
E STREET
F STREET
G STREET
H STREET
17+00
18+00
19+00
20+00
21+00
23+00
24+00
25+00
26+00
27+00
BOP STA "D" 21+75.00
N:205355.14 E:192314.97
MATCHLINE STA "D" 22+00
MATCHLINE STA "D" 28+00
TCE-26
TCE-28
TCE-29
TCE-30
TCE-31
TCE-32
TCE-33
TCE-34
TCE-44
TCE-45
E-41
E-42
SCALE IN FEET
NOTES:
1. RE... TO ESCP IN APPENDIX C OF ... SPECIA... PROVISIONS.
2. INSTALL EROSION AN... SEDIMEN... CONTROL MEASURES PRIOR T... EARTH DIST...RBIN... ACTIVITIES.
3. THE LO...TION OF TE...PORARY ER...SION AND SEDIM...NT CONTROL M...ASURES ...RE RECO...MENDATIONS. IT ... RESPONSIBILITY OF THE C...NTRACTOR T... PREPARE AND IMPLEMENT A SWPP... ACCORDING TO CONTRACT SPECIFICATION SECTIO... 41 AND ...HE ESCP.
PRELIMINARY
NOT FOR CONSTRUCTION
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: 7/27/2021 9:12
LAYOUT: P1
FILE: \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-ESCP-P-70897.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	P2	P8



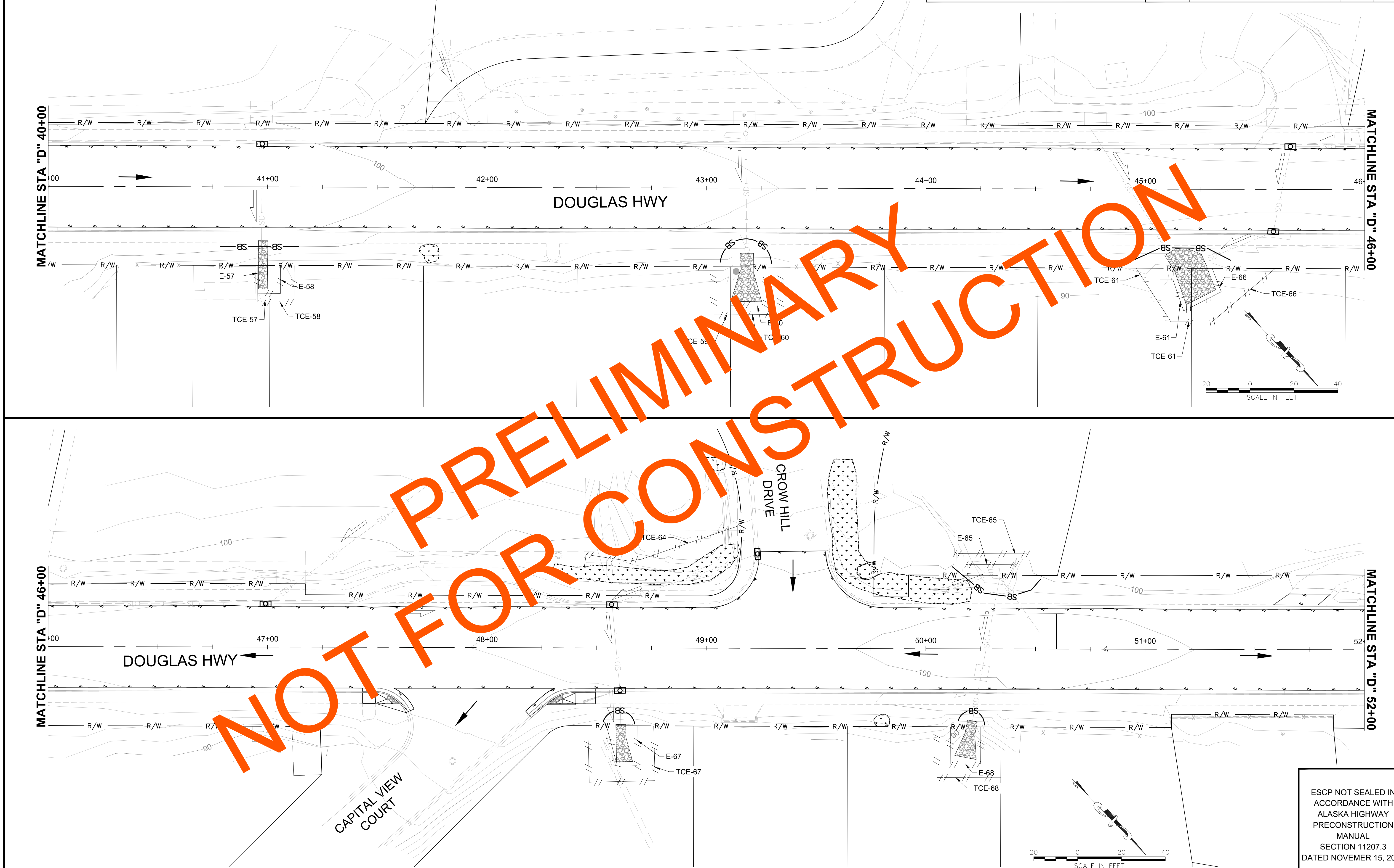
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM DOWL
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-ESCP-P-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 7/27/2021 9:12
LAYOUT P2
PHONE (907) 780-3533
DESIGNED STEPHENS
CHECKED NOBLE
CERTIFICATE OF AUTH #: AECL848
DRAFTED LAFAVOUR

NO.	DATE	REVISION

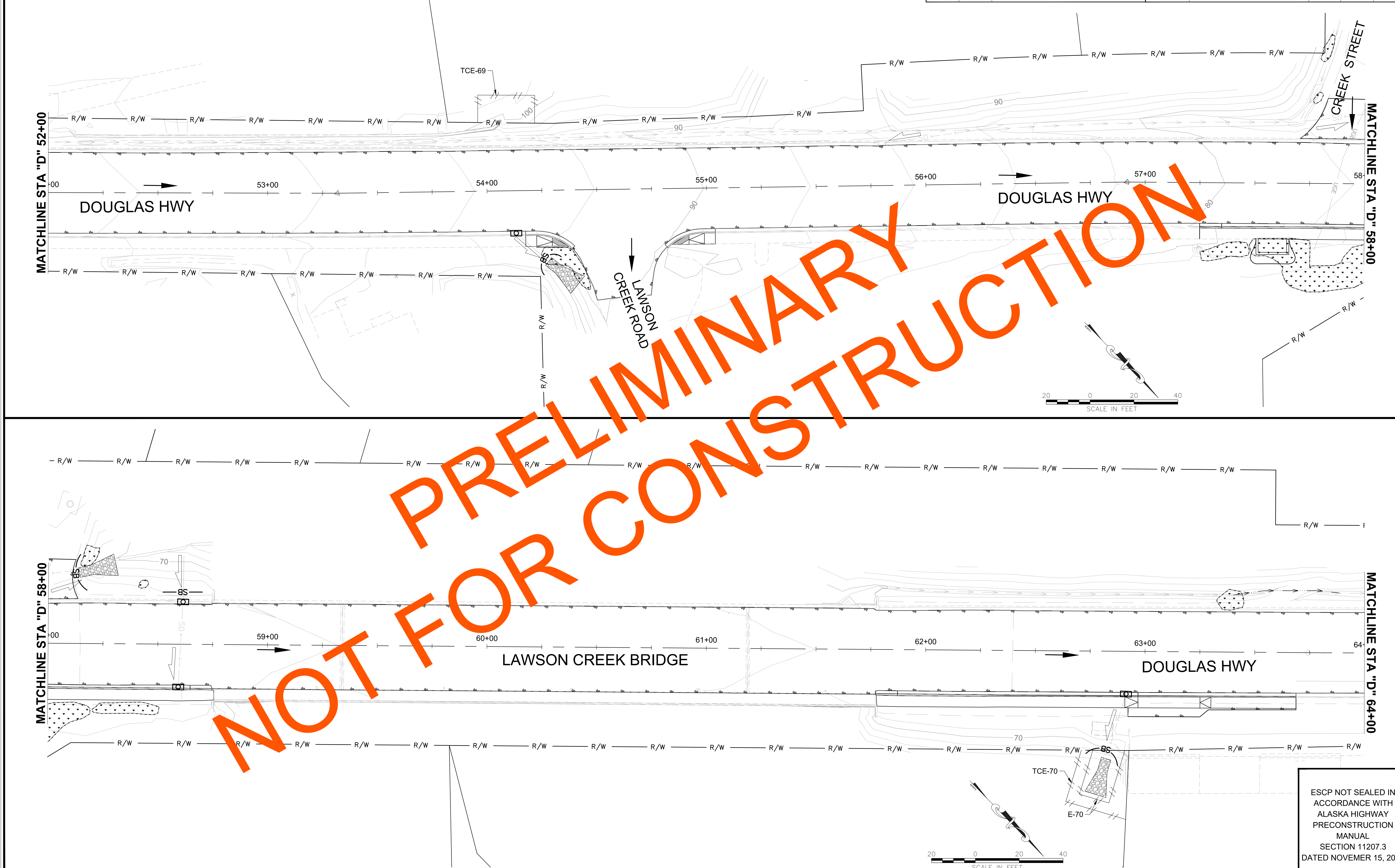
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	P3	P8

FIRM DOWL
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-ESCP-P-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 7/27/2021 9:12
PHONE (907) 780-3533
LAYOUT P3
CERTIFICATE OF AUTH #: AECL848
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR



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

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	P4	P8

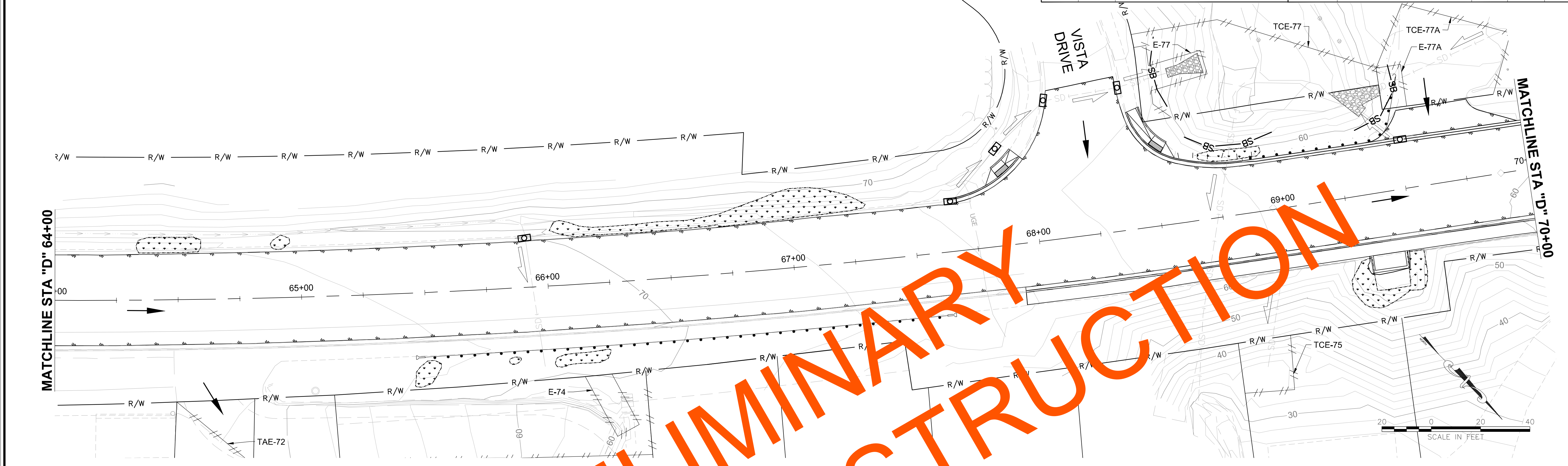


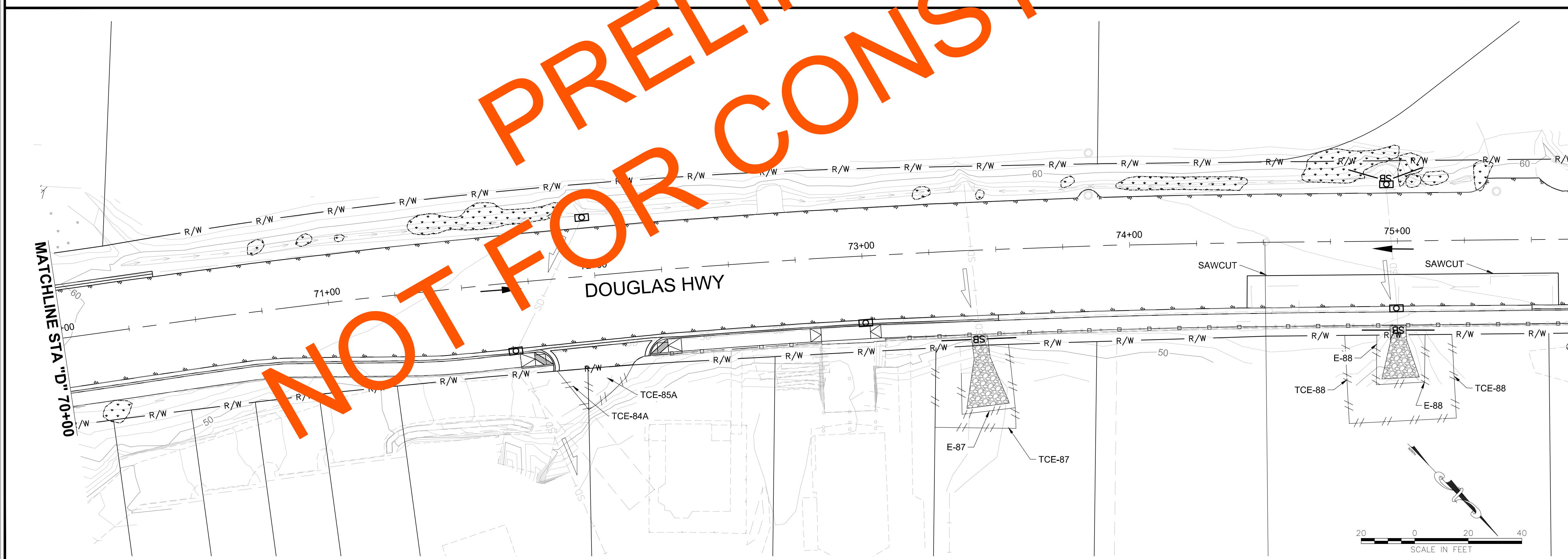
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

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

FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-ESCP-P-70897.dwg | DATE 7/27/2021 9:12 | LAYOUT P4 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	P5	P8





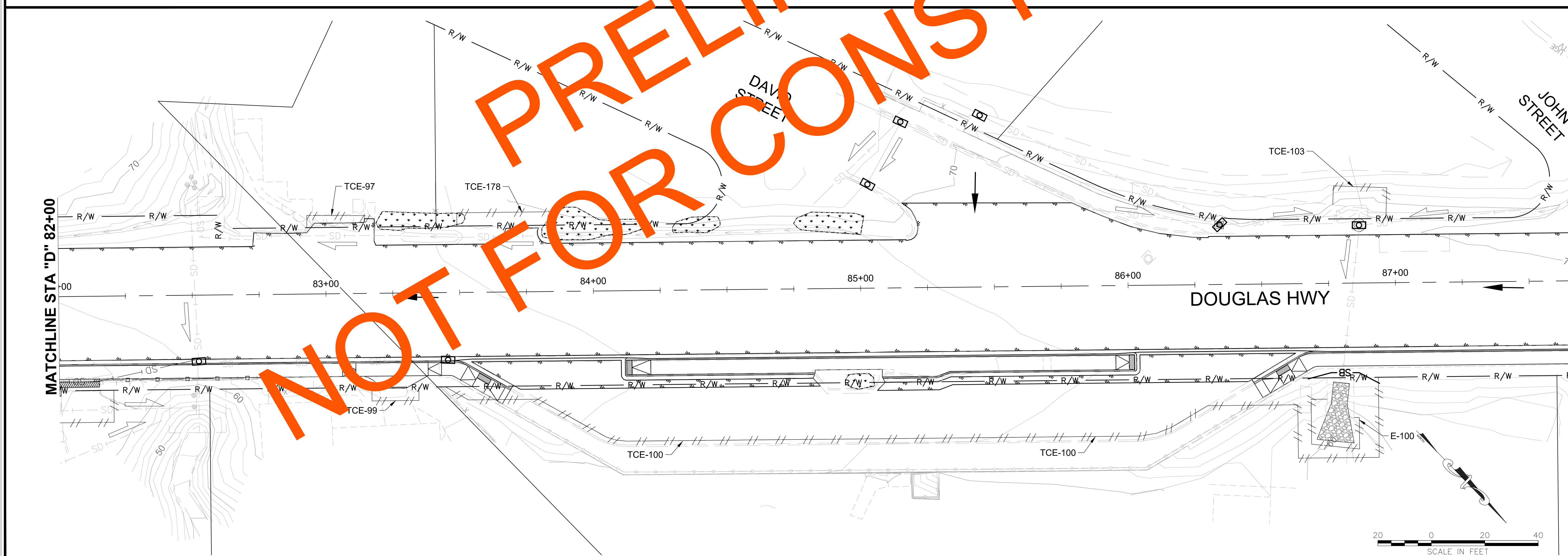
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM DOWL
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
PHONE (907) 780-3533
CERTIFICATE OF AUTH #: AECL848
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase II\Civil\SC-CT-ESCP-P-70897.dwg
DATE 8/6/2021 11:34
LAYOUT P5
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	P6	P8

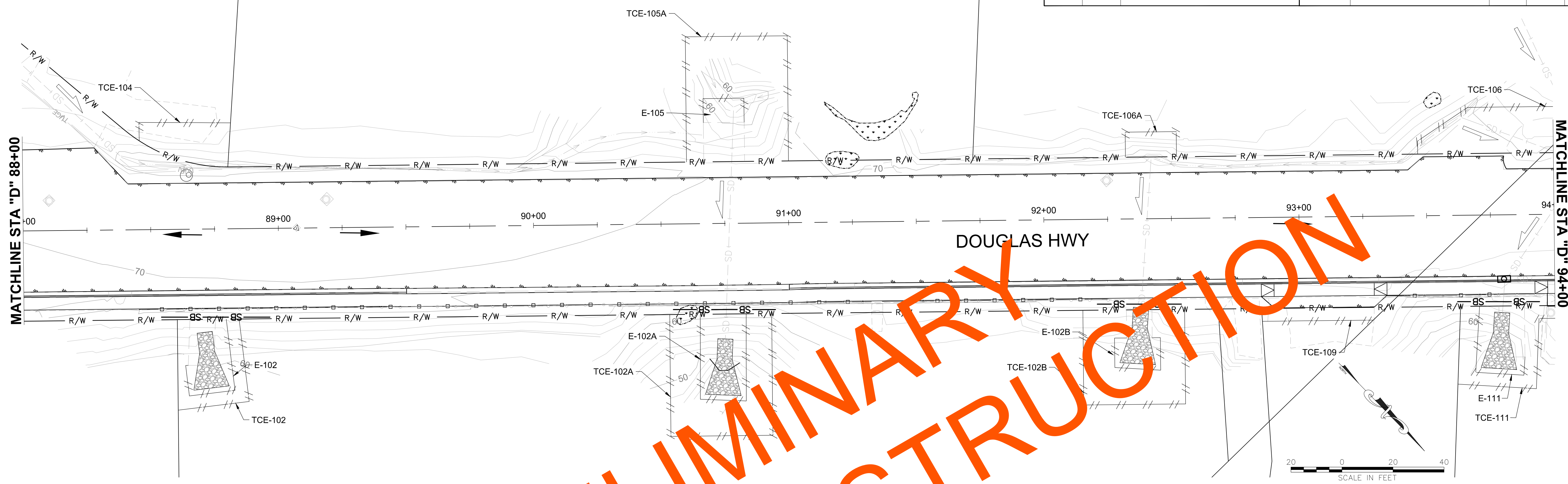
FIRM DOWL
FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-ESCP-P-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801
DATE 7/27/2021 9:12
LAYOUT P6
PHONE (907) 780-3533
DESIGNED STEPHENS
CHECKED NOBLE
DRAFTED LAFAVOUR
CERTIFICATE OF AUTH #: AECL848

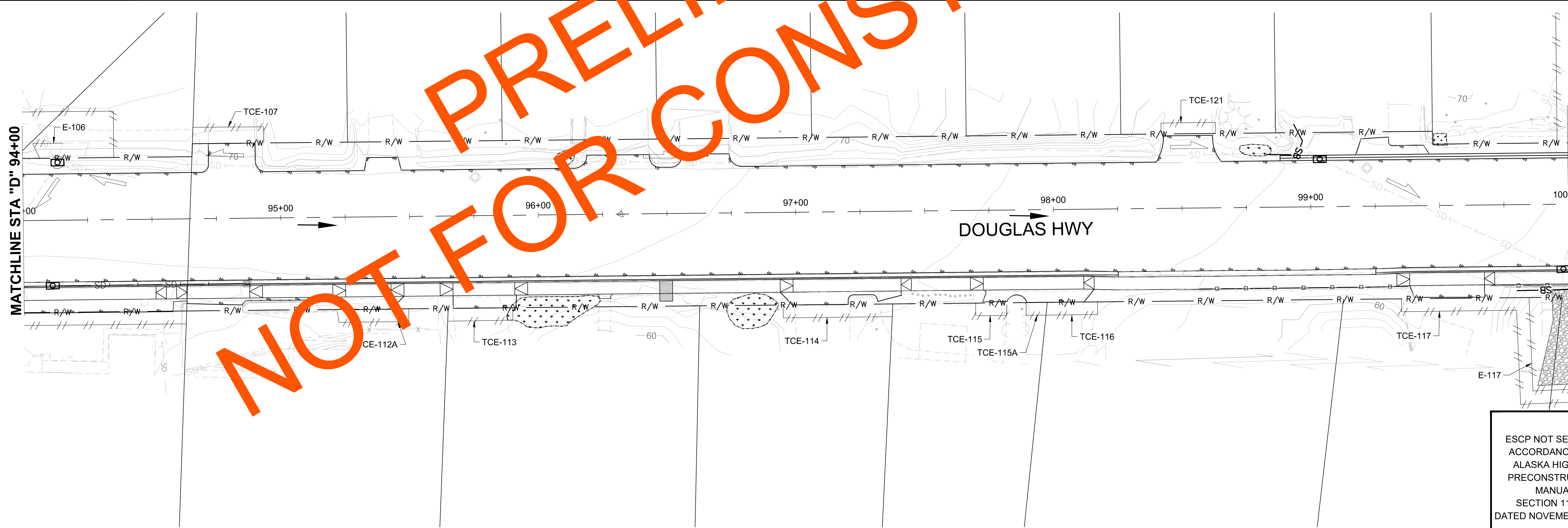


PRELIMINARY
NOT FOR CONSTRUCTION

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

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	P7	P8

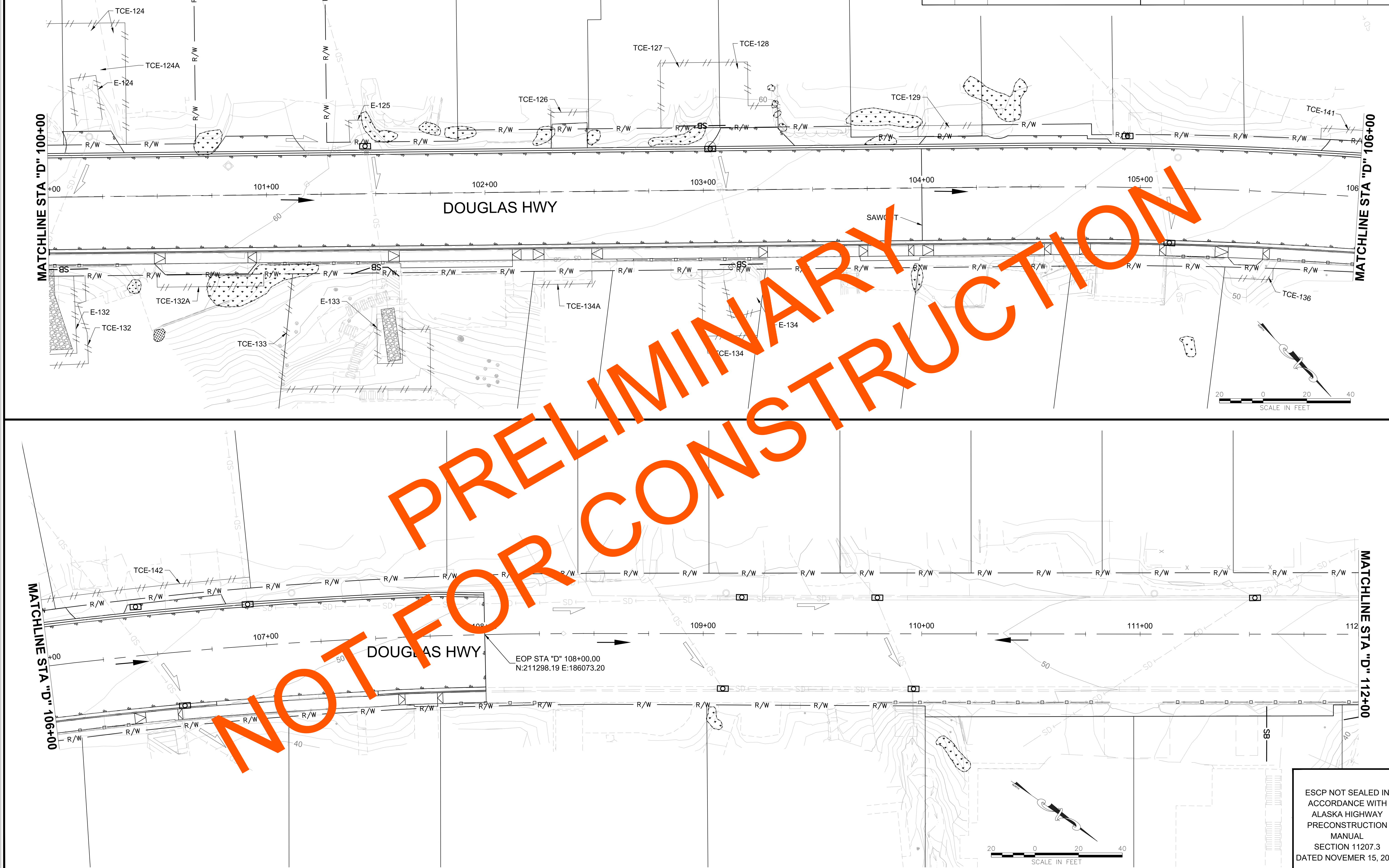




ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-ESCP-P-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 7/27/2021 9:12 | LAYOUT P7 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	P8	P8

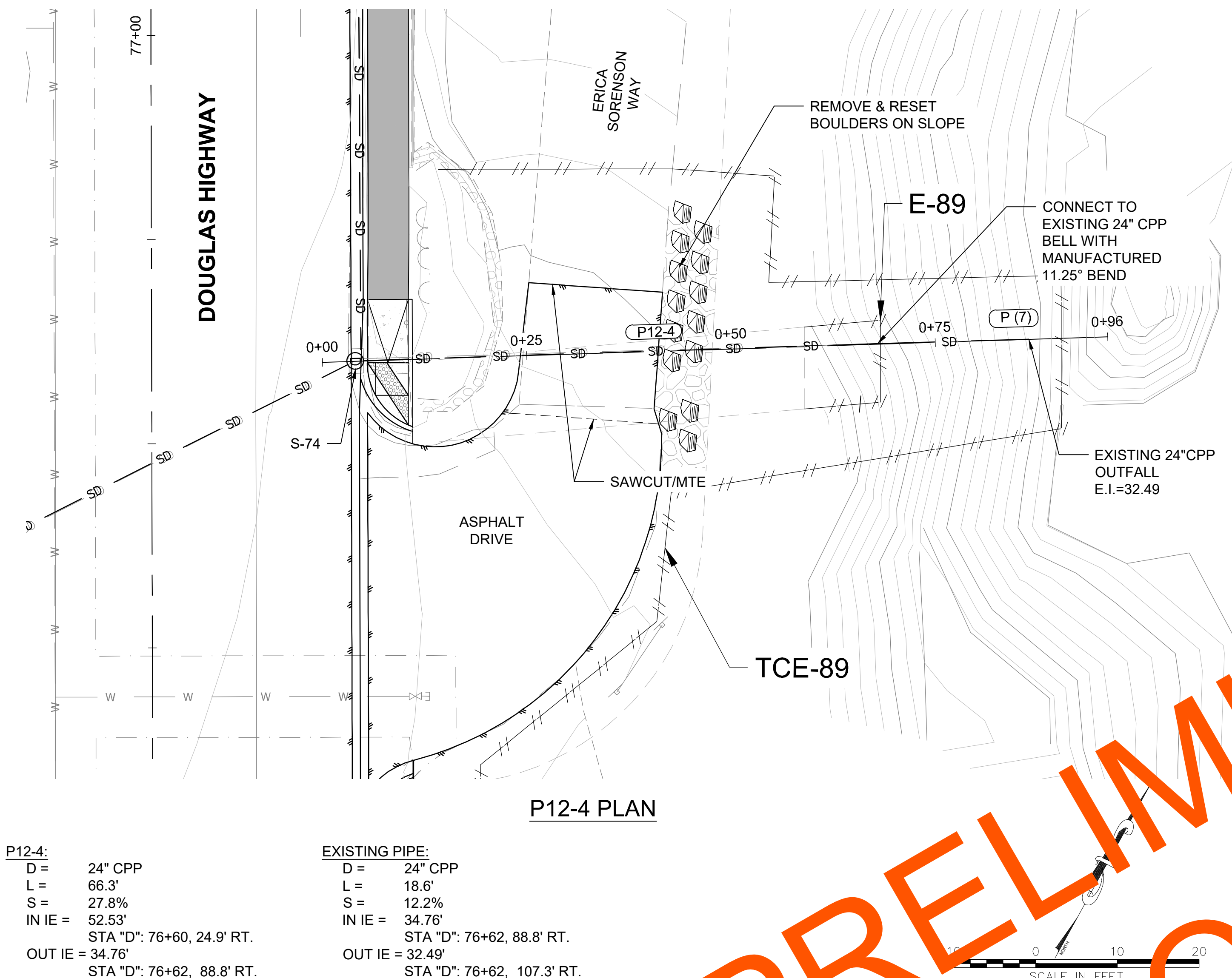


ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 11207.3 DATED NOVEMER 15, 2013

FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-ESCP-P-70897.dwg
ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | PHONE (907) 780-3533 | CERTIFICATE OF AUTH #: AECL848
DATE 7/27/2021 9:12 | LAYOUT P8 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

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-PI-Q-70897.dwg DATE 8/6/2021 0:06 LAYOUT Q1 DESIGNED STEPHENS CHECKED NOBLE DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	Q1	Q1

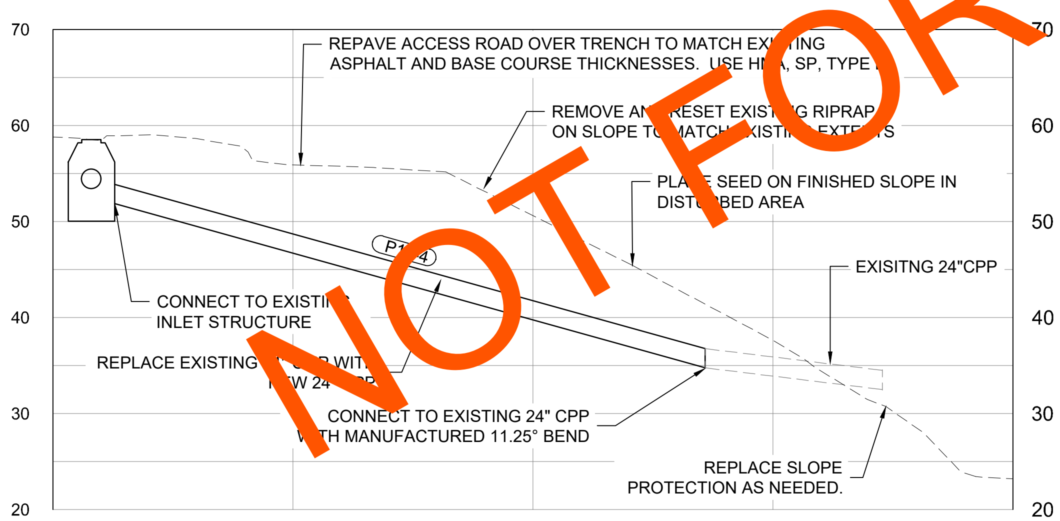


P12-4 PLAN

P12-4:
D = 24" CPP
L = 66.3'
S = 27.8%
IN IE = 52.53'
STA "D": 76+60, 24.9' RT.
OUT IE = 34.76'
STA "D": 76+62, 88.8' RT.

EXISTING PIPE:
D = 24" CPP
L = 18.6'
S = 12.2%
IN IE = 34.76'
STA "D": 76+62, 88.8' RT.
OUT IE = 32.49'
STA "D": 76+62, 107.3' RT.

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



P12-4 PROFILE

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

STATE OF ALASKA 49TH
Ryan A. Stephens
Aug 06, 2021
No. CE 14391
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00315/958032	2021	T1	T3

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.

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 BAR[illegible]CADE
- [illegible]ORK ZO[illegible]

TCP SETUP TABLE

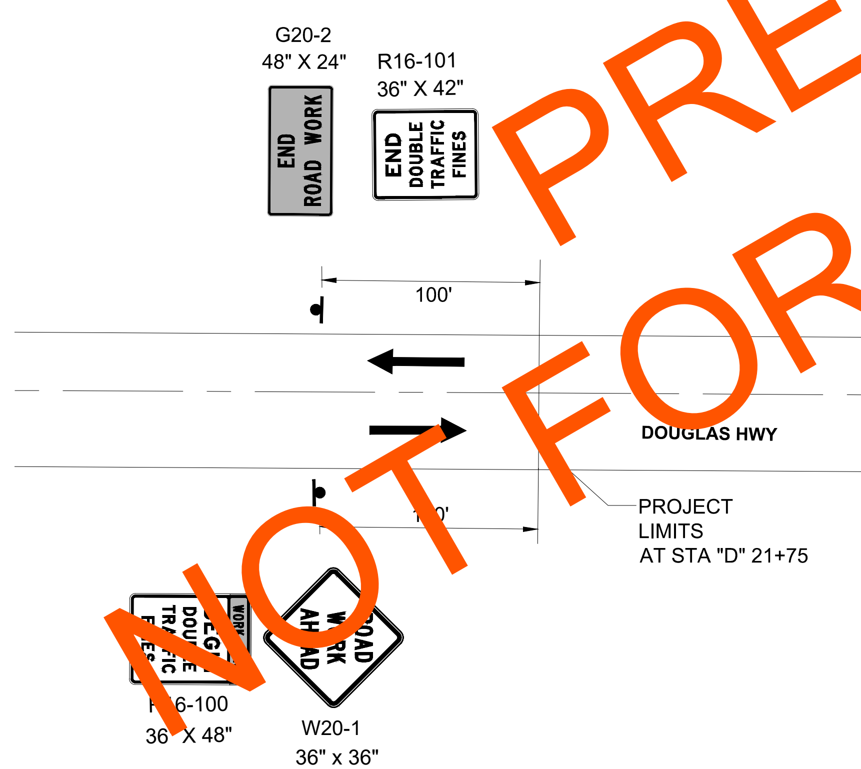
SPEED (MPH)	MIN MERGING TAPER LENGTH (L) IN FEET WIDTH OF OFFSET (W) IN FEET			MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET			MAX DEVICE SPACING IN FEET		BUFFER SPACE IN FEET
	10'	11'	12'	10'	11'	12'	ALONG TAPER	ALONG TANGENT	
25 OR BELOW	105	115	125	6	6	6	25	50	155
30	150	165	180	6	7	7	30	60	200
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
[illegible]	550	605	660	11	[illegible]	[illegible]	55	110	495
[illegible]	600	660	720	11	12	13	60	120	570

PERMANENT CONSTRUCTION SIGNING

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

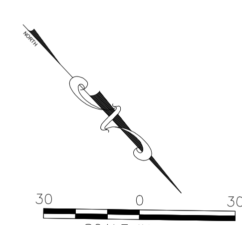
** DOUBLE TRAFFIC FINE SIGNS SHALL BE INSTALLED AT MAJOR INTERSECTIONS WITHIN THE DOUBLE FINE ZONE TO WARN ENTERING DRIVERS OF DOUBLE FINES.

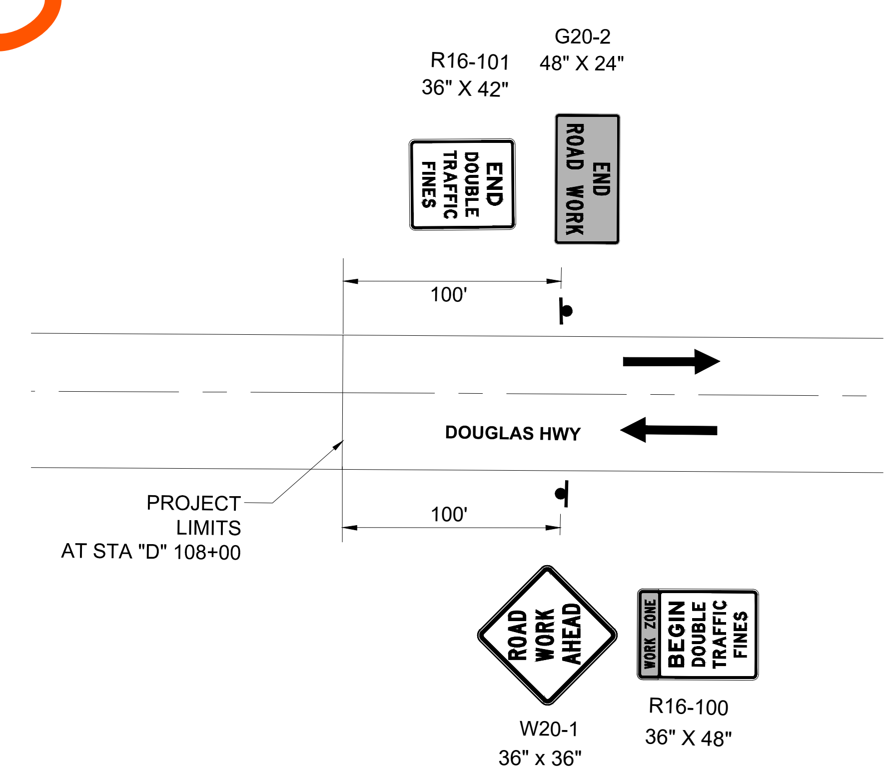
*** ALL PERMANENT CONSTRUCTION SIGNING SHALL MEET REQUIREMENTS OF CURRENT VERSIONS OF THE MUTCD & ATM.



PERMANENT CONSTRUCTION BEGINNING OF PROJECT

SEE PERMANENT CONSTRUCTION SIGNING NOTES THIS SHEET





PERMANENT CONSTRUCTION END OF PROJECT

SEE PERMANENT CONSTRUCTION SIGNING NOTES THIS SHEET

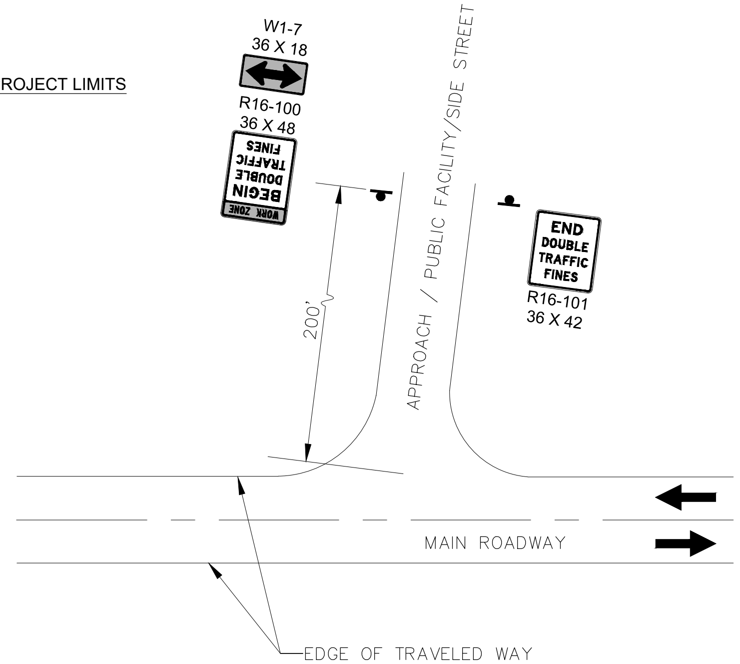
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

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-TC-T-70897.dwg | DATE 7/27/2021 9:04 | LAYOUT T1 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

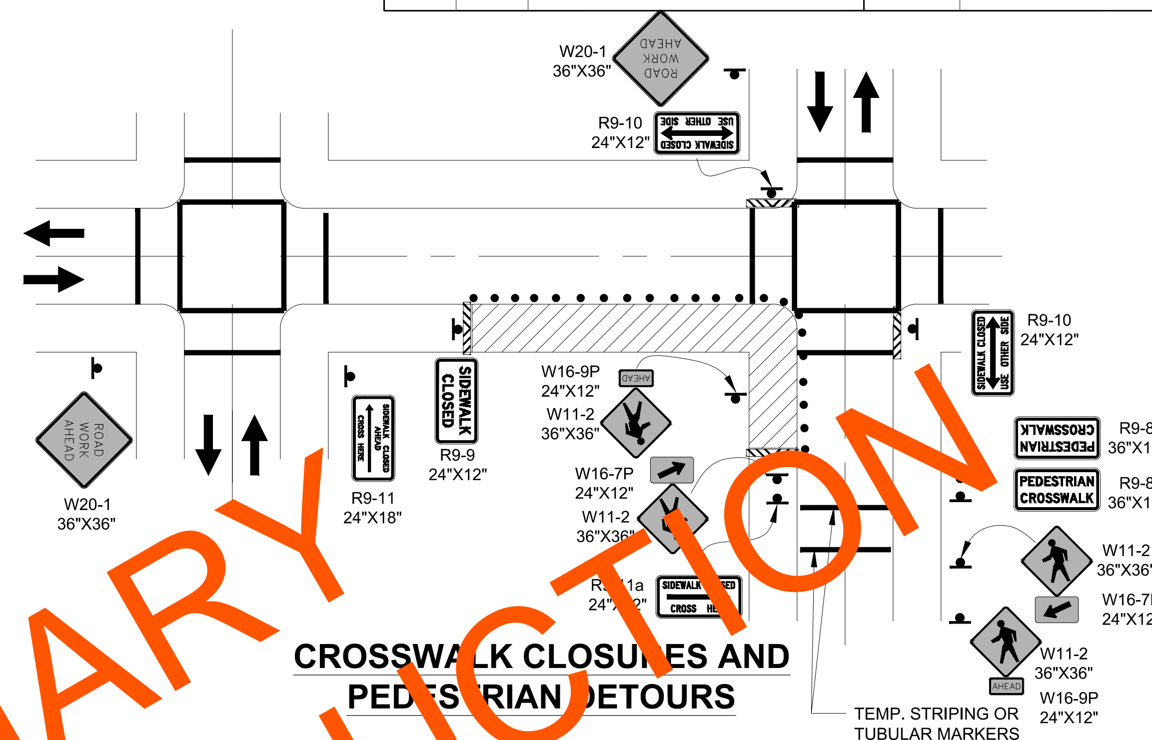
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	T2	T3

SIDE STREETS WITHIN PROJECT LIMITS

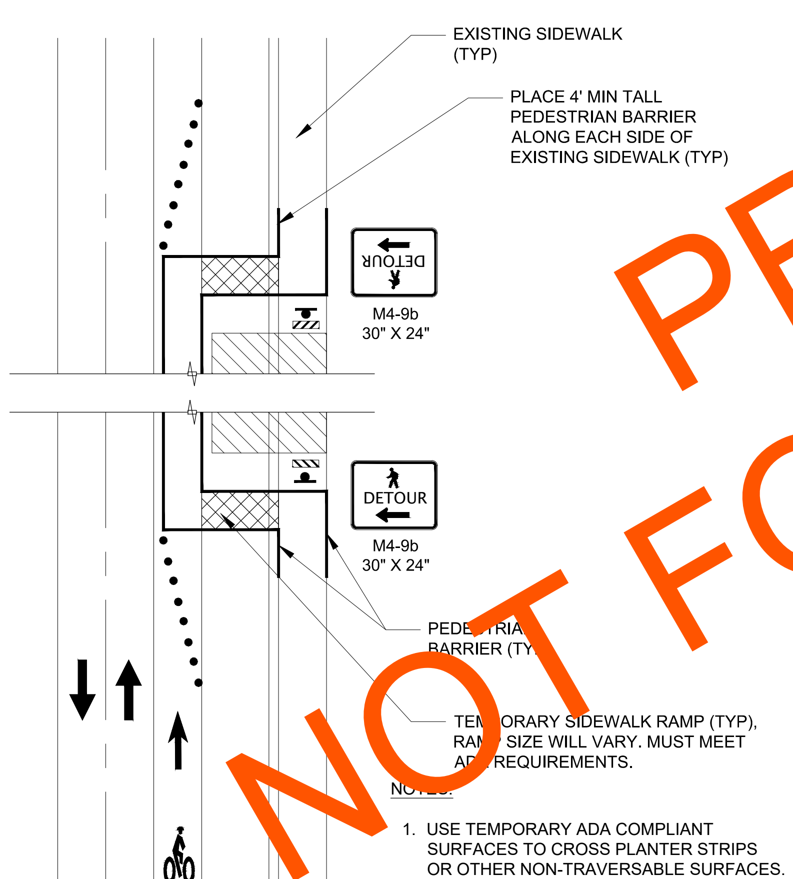
G STREET
H STREET
I STREET
CHATHAM PL DR
CAPITAL VIEW CT
CROW HILL DR
LAWSON CREEK RD
CREEK ST
VISTA DR
ERICK SORENSON WAY
DAVID ST
JOHN ST



PERMANENT CONSTRUCTION SIGNING SIDE STREETS



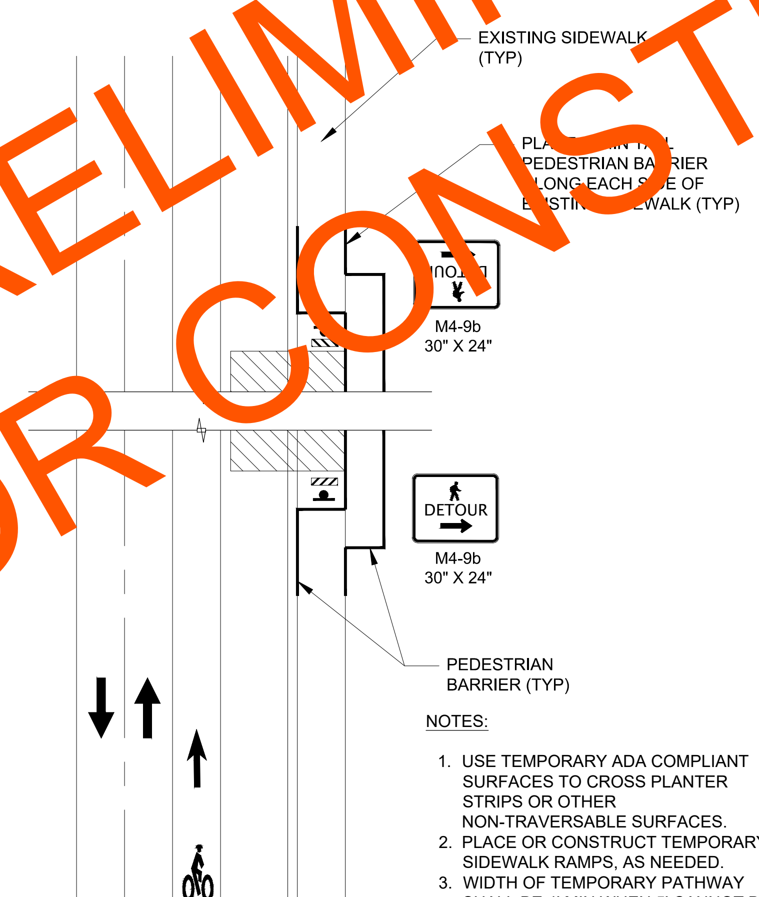
CROSSWALK CLOSURES AND PEDESTRIAN DETOURS



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:

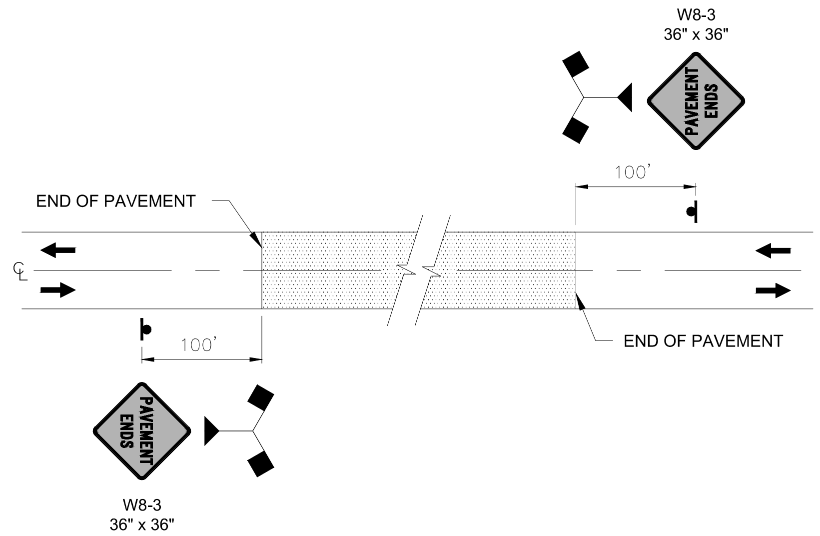
1. USE TEMPORARY ADA COMPLIANT SURFACES TO CROSS PLANTER STRIPS OR OTHER NON-TRAVERSABLE SURFACES.
2. PLACE OR CONSTRUCT TEMPORARY SIDEWALK RAMPS, AS NEEDED.
3. WIDTH OF TEMPORARY PATHWAY SHALL BE 4' MIN WHEN 5' CANNOT BE MET.
4. THIS DETAIL IS TO BE USED WHEN ADEQUATE ROW AND SPACE ARE AVAILABLE BEHIND 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

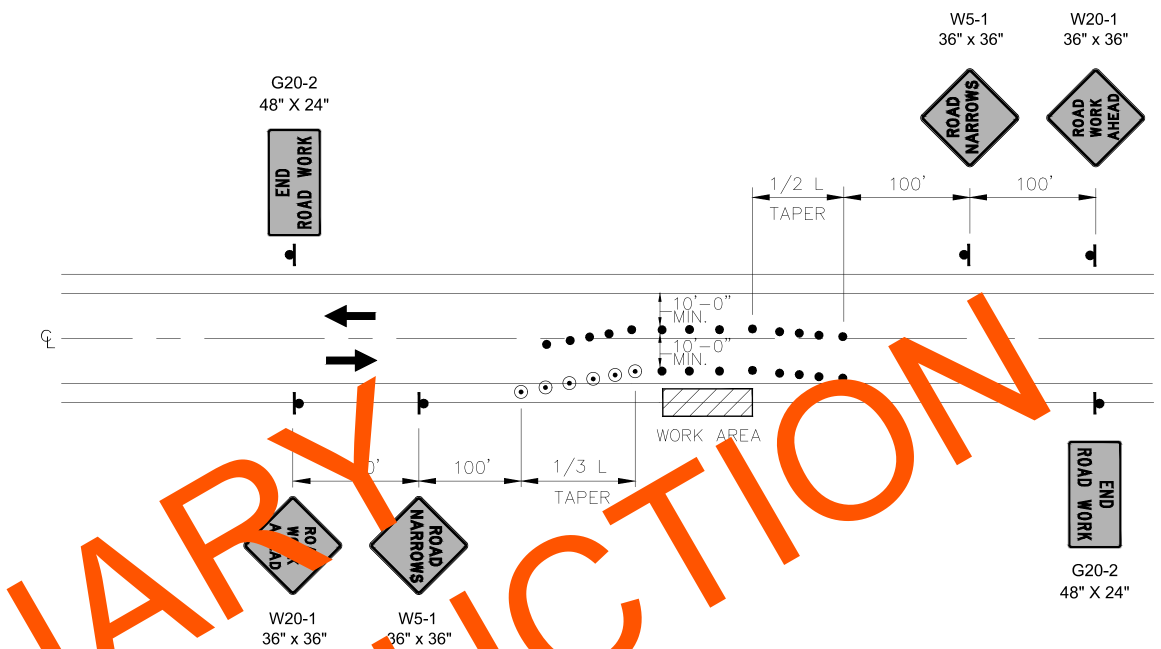
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

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-TC-T-70897.dwg | DATE 7/27/2021 9:04 | LAYOUT T2 | DESIGNED STEPHENS | CHECKED NOBLE | DRAFTED LAFAVOUR

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00315/958032	2021	T3	T3

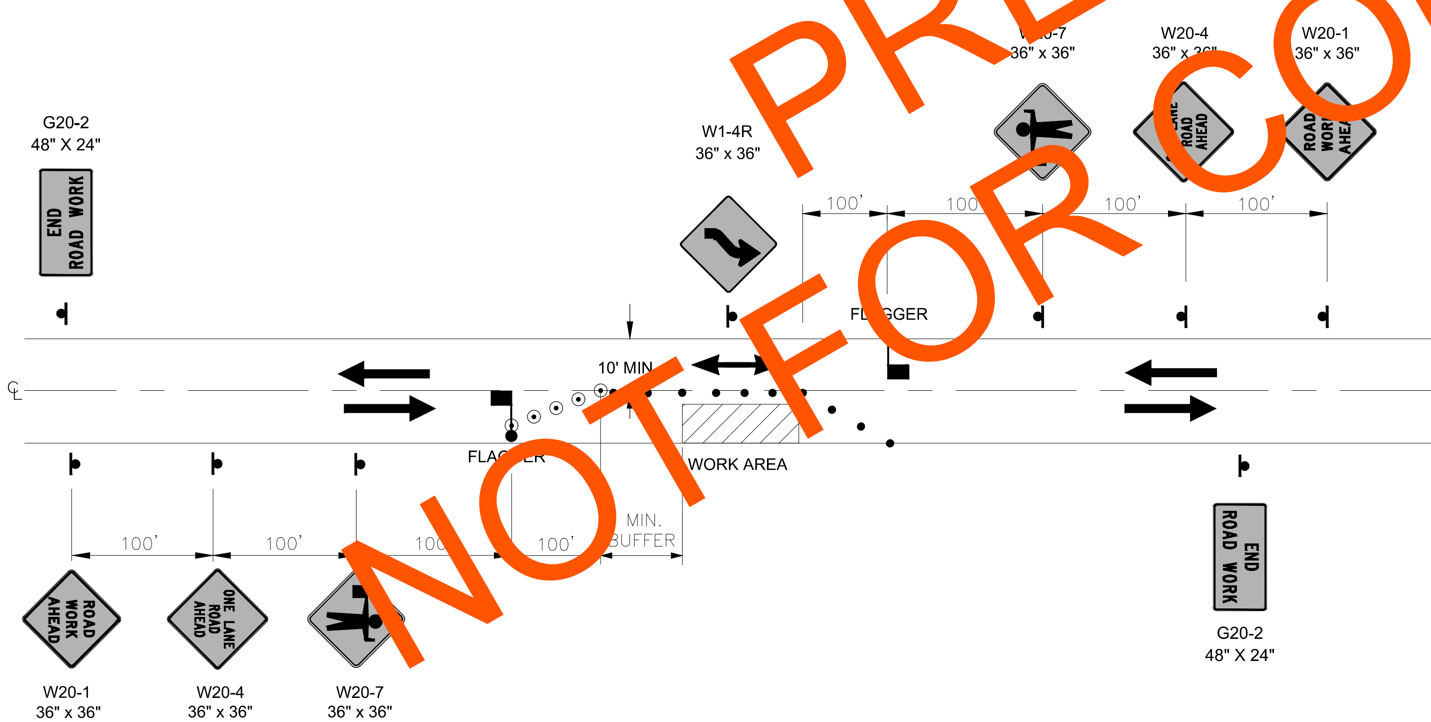


SIGNING FOR UNPAVED AREA



ROADWAY ENCROACHMENT

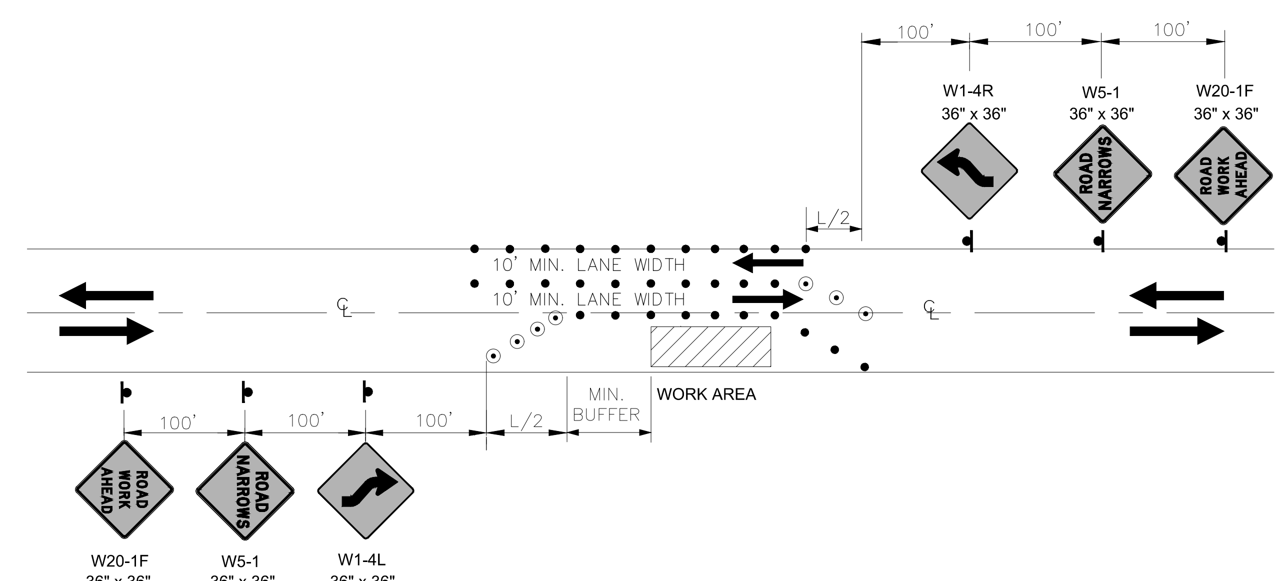
NOTES:
1. IF ONLY ONE LANE IS AFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE WILL NOT BE NEEDED.
2. SEE TCP SETUP TABLE ON SHEET T1 FOR TAPER LENGTH (L).



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.

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

FIRM DOWL | FILE \\JNU-FS\Jnu-projects\22\70897-02\65CAD\Phase I\Civil\SC-CT-TC-T-70897.dwg | ADDRESS 9085 GLACIER HIGHWAY, JUNEAU, AK 99801 | DATE 7/27/2021 9:04 | LAYOUT T3 | PHONE (907) 780-3533 | DESIGNED STEPHENS | CHECKED NOBLE | CERTIFICATE OF AUTH #: AECL848 | DRAFTED LAFAVOUR