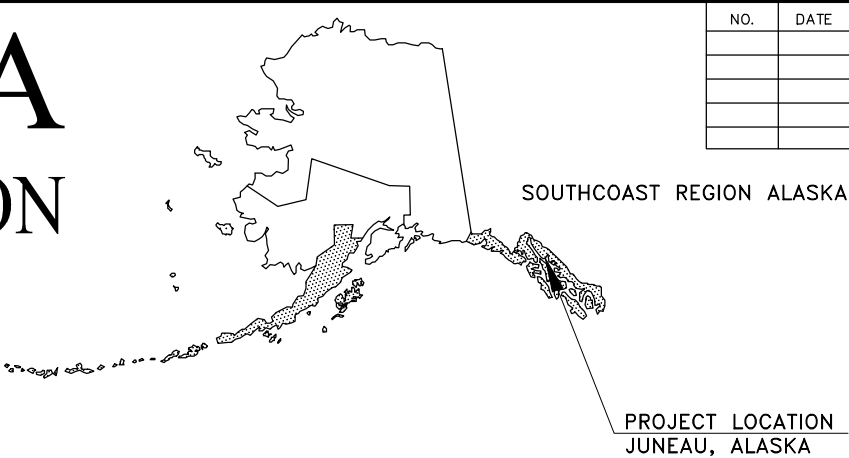


FILE Q:\ju\SFHWY00163\Planset\00163_A1 Tshd.dwg DATE 9/29/2021 9:46 LAYOUT A1 DESIGNED PW, BL CHECKED DP DRAFTED RG

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

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



NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFHWY00163	2022	A1	19
			CDS ROUTE: 296110		MILEPOINT: 1.32		
			LATITUDE: 58°17'15.21"N		LONGITUDE: 134°24'59.89"W		

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



VICINITY MAP

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

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

APPROVED:

KIRK MILLER, P.E.
REGIONAL PRECONSTRUCTION ENGINEER

CONCUR:

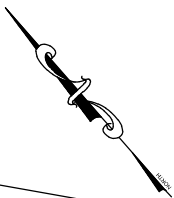
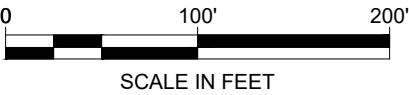
D. LANCE MEARIG, P.E.
DIRECTOR, SOUTHCOAST REGION

DATE

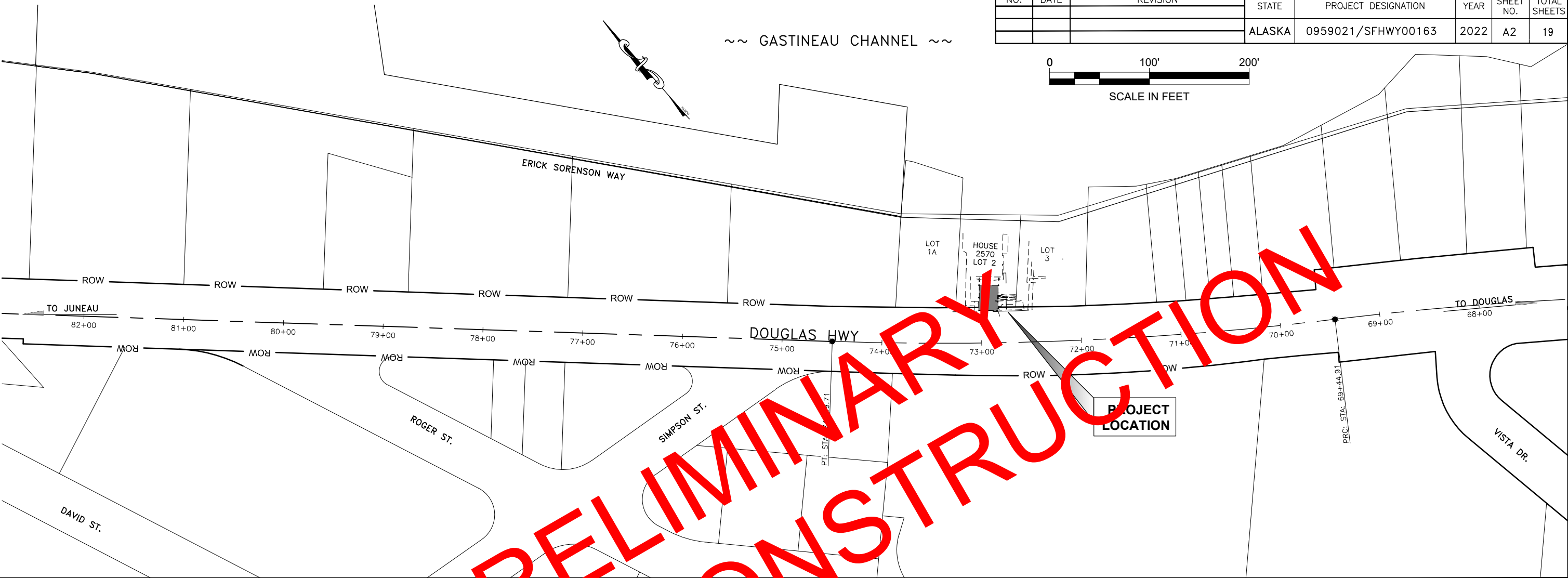
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFH\00163	2022	A2	19



~~ GASTINEAU CHANNEL ~~



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

THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THIS PROJECT:

C-04.12	I-20.20	S-00.11	T-21.03
C-05.20	D-26.04	S-01.01	
D-24.00		S-05.01	
D-01.02		S-20.10	



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JNU - DOUGLAS HIGHWAY
SLOPE STABILIZATION

LAYOUT & INDEX OF SHEETS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFWHY00163	2022	A3	19

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

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

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE	- - - - -	- - - - -
FENCE	- X - - X - - X - - X - -	- X - - X - - X - - X - -
CURB AND GUTTER	- - - - -	- - - - -
DETECTABLE WARNINGS	- - - - -	- - - - -
GUARDRAIL	- - - - -	- - - - -
CULVERT PIPE	- - - - -	- - - - -
SIGN	△ MB	△ MB
MAILBOX	△ MB	△ MB
RAILROAD TRACKS	- - - - -	- - - - -
RAILROAD DEVICES	- - - - -	- - - - -
TREE LINE	- - - - -	- - - - -
WATER BOUNDARY	- - - - -	- - - - -
ORDINARY HIGH WATER LINE	- - - - -	- - - - -
LOW WATERLINE	- - - - -	- - - - -
FLOW DIRECTION	→	→
WETLANDS	- - - - -	- - - - -
EXISTING BUILDINGS	H	H
POST OR BOLLARD	△	△
WELL OR MONITORING WELL	△	△
SEPTIC PIPE	△	△
FUEL TANK FILL PIPE/VENT	△	△
SATELLITE DISH	△ SAT. DISH	△ SAT. DISH
TEST HOLE	△	△
CONIFER TREE	△	△
DECIDUOUS TREE	△	△
GRAVE	△	△
THERMOSIPHON	△	△
PARKING METER	△	△
VEHICLE PLUG-IN	△	△
DELINEATOR/GUIDE MARKER	△	△

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



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763
JNU - DOUGLAS HIGHWAY SLOPE STABILIZATION
LEGEND & SYMBOLS

FILE Q:\nu\SFWY00163\Planset\00163_B1_Typ.s.dwg

RG. BL

DRAFTED

DP

CHECKED

PW. BL

DESIGNED

B1

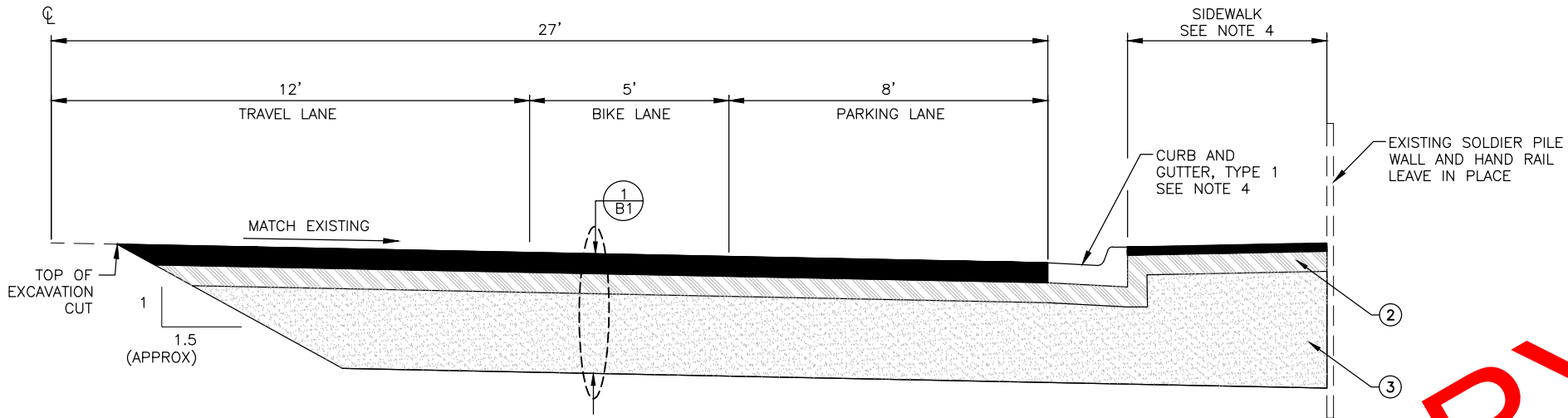
LAYOUT

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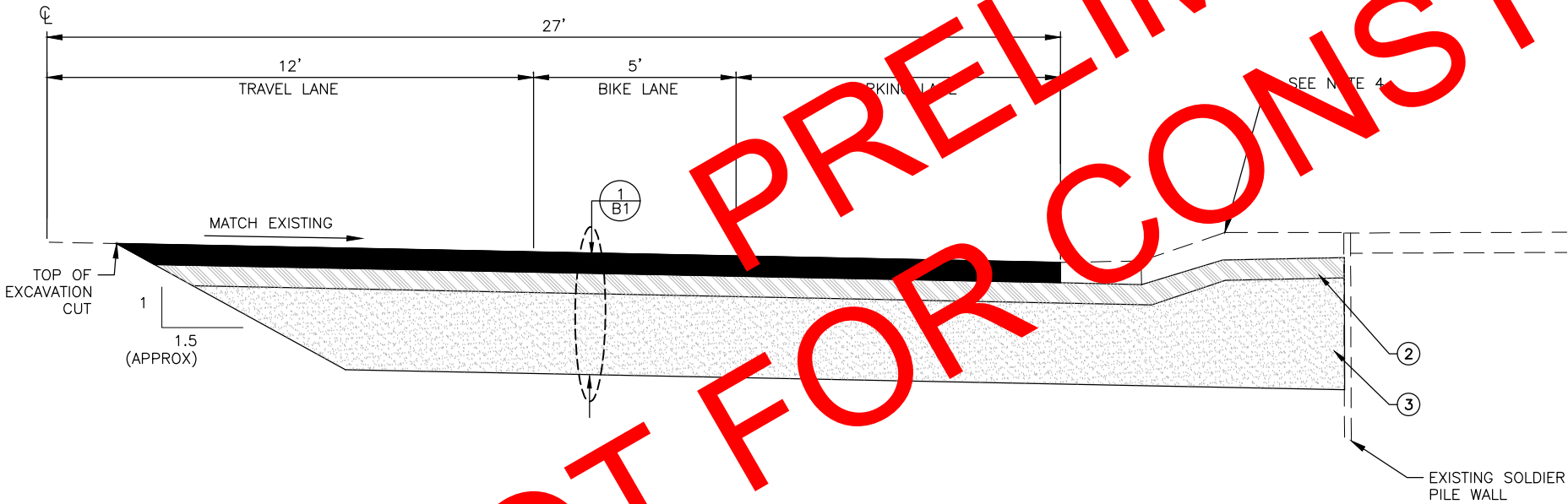
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9/23/2021

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFWHY00163	2022	B1	19



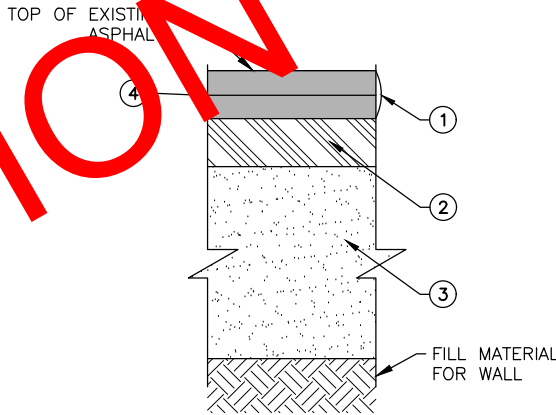
DOUGLAS HIGHWAY
STA. 72+39 TO STA. 72+83 RT
STA. 73+03 TO STA. 73+13 RT



DOUGLAS HIGHWAY
STA. 72+83 TO STA. 73+03 RT

LEGEND

- ① 6" ATB (3" OVER 3")
- ② 6" AGGREGATE BASE COURSE, GRADING D-1
- ③ 24" SELECT MATERIAL TYPE D
- ④ STE-1 TACK COAT



1 PAVEMENT STRUCTURAL SECTION NO. 1
B1 SCALE: NOT TO SCALE

TYPICAL SECTION NOTES:

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



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JNU - DOUGLAS HIGHWAY
SLOPE STABILIZATION

TYPICAL SECTIONS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFH\00163	2022	C1	19

ESTIMATE OF QUANTITIES			
ITEM NO	PAY ITEM	UNIT	QUANTITY
202.0001.0000	Removal of Structures and Obstructions	LS	All Required
202.0002.0000	Removal of Pavement	SY	212
202.0004.0000	Removal of Culvert Pipe	LF	57
202.0008.0000	Removal of Inlet	EACH	1
205.0001.0000	Excavation for Structures	CY	226
205.0009.0000	Structural Fill	TON	319
301.0001.00D1	Aggregate Base Course, Grading D-1	TON	61
304.0001.000B	Subbase, Grading B	TON	191
306.0001.0000	ATB	TON	80
306.0002.5828	Asphalt Binder, Grade PG 58-28	TON	4
306.2002.0000	Asphalt Material Price Adjustment	CS	All Required
402.0001.STE1	STE-1 Asphalt for Tack Coat	TON	0.1
521.2000.0000	Soldier Pile Retaining Wall	SF	386
603.0001.0018	CSP 18 Inch	LF	57
604.0005.000A	Inlet, Type A	EACH	1
639.0002.0000	Driveway, Residential	EACH	1
640.0001.0000	Mobilization and Demobilization	LS	All Required
641.0001.0000	Erosion, Sediment and Pollution Control Administration	LS	All Required
641.0003.0000	Temporary Erosion, Sediment and Pollution Control	LS	All Required
641.0005.0000	Temporary Erosion, Sediment and Pollution Control by Directive	CS	All Required
641.0006.0000	Withholding	CS	All Required
642.0001.0000	Construction Surveying	LS	All Required
642.0013.0000	Three Person Survey Party	CS	All Required
643.0002.0000	Traffic Maintenance	LS	All Required
643.0003.0000	Permanent Construction Signs	LS	All Required
643.0011.0000	Special Construction Signs	S	1
643.0023.0000	Traffic Price Adjustment	CS	All Required
643.0025.0000	Traffic Control	CS	All Required
643.0031.0000	Interim Pavement Marking	LS	All Required
643.2005.0000	Public Information Program	LS	All Required
643.2023.0000	Shuttle	DAY	30

BASIS OF ESTIMATE		
ITEM NO	ITEM DESCRIPTION	ESTIMATING FACTOR
304.0001.000B	SUBBASE GRADING B	1.9 TON / CY
306.0001.0000	ATB	120 LBS / SY / IN
306.0002.5828	ASPHALT BINDER, GRADE PG 58-28	5% OF ITEM 306.0001.0000

PRELIMINARY
NOT FOR CONSTRUCTION



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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFWHY00163	2022	D1	19

202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS			
START STATION	END STATION	OFFSET	NOTES
72+40	73+13	22 RT	12" DIP SLURRY FILLED
72+73	72+73	21 RT	8" DIP SLURRY FILLED
72+74	72+74	23 RT	WATER SERVICE
-	-	-	PILE ANCHORS AS SHOW ON M2

202.0008.0000 REMOVAL OF INLET		
START STATION	OFFSET	NOTES
73+00.1	25 RT	REPLACE WITH ITEM 604.0005.000A

603.0001.0018 CSP SUMMARY											
PIPE	INLET			OUTLET			LENGTH (FT)	SIZE (INCH)	TYPE	GRADE	REMARKS
	STATION	OFF (FT) RT	INVERT	STATION	OFF (FT) RT	INVERT					
P1	73+00.1	25.4	52.20	72+43.0	26.2	MTE	56.50	18	CSP	0.84%	CUT AND CONNECT TO EXISTING PIPE P-98

604.0005.000A INLET, TYPE A					
Sheet	Structure	Station	Offset (FT)	QTY (EA)	REMARKS
F1	S-1	73+00.1	25 RT	1	MATCH GUTTER GRADE TO EXISTING

639.0002.0000 DRIVEWAY, RESIDENTIAL					
STATION	OFFSET	RADIUS			REMARKS
	LT	RT	R1	R2	
72+93		26.5'	0	0	20 WITH GUTTER - DRIVEWAY

643.0031.0000 INTERIM PAVEMENT MARKING		
BEGIN STATION	END STATION	NOTES
69+88.5	75+08.0	SEE T3. PAVEMENT MARKINGS IN THIS PROJECT ARE TEMPORARY. THEY WILL BE REPLACED WITH PAVEMENT MARKINGS IN PROJECT SFWHY00315.

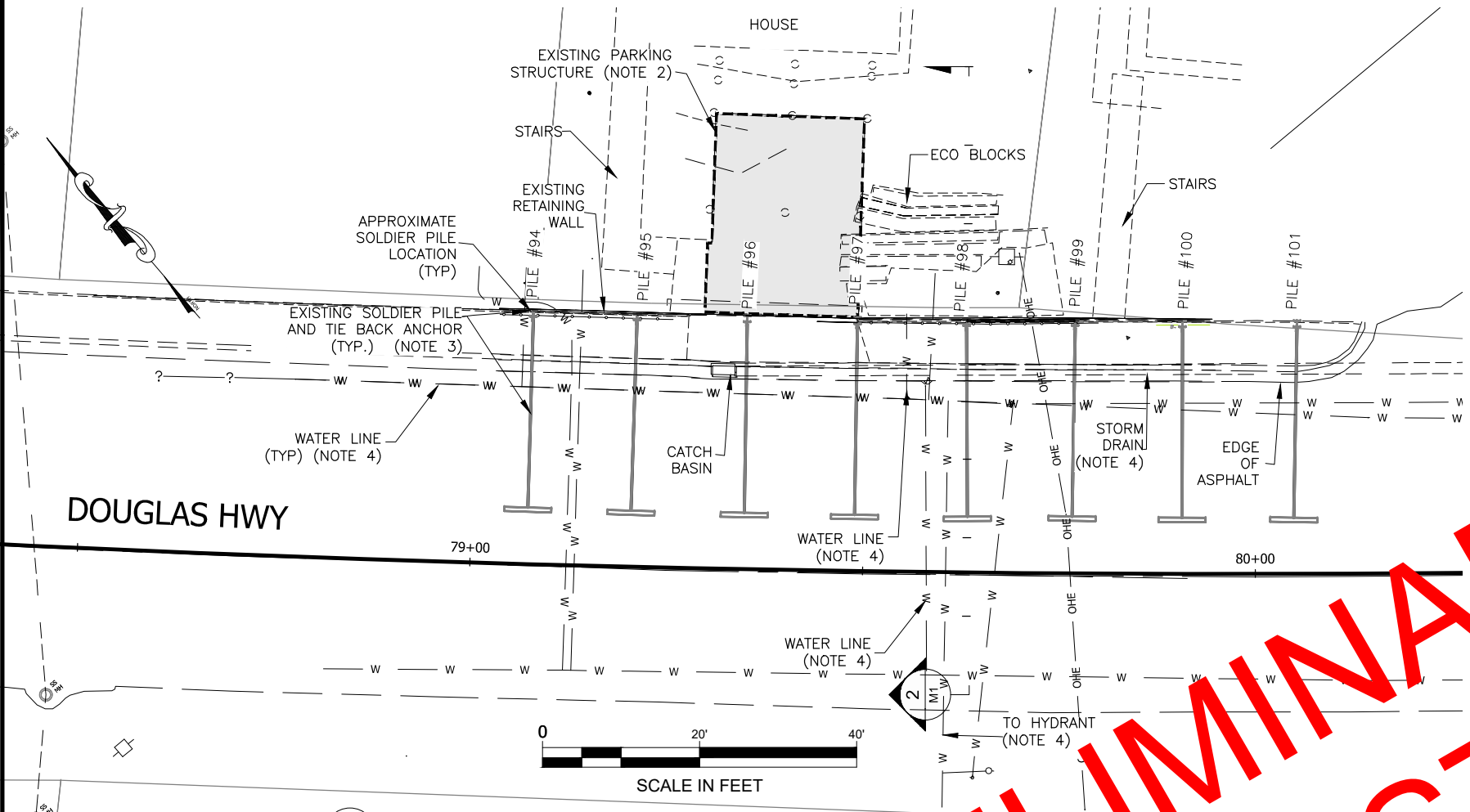


STATE OF ALASKA DEPARTMENT OF
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AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
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SLOPE STABILIZATION

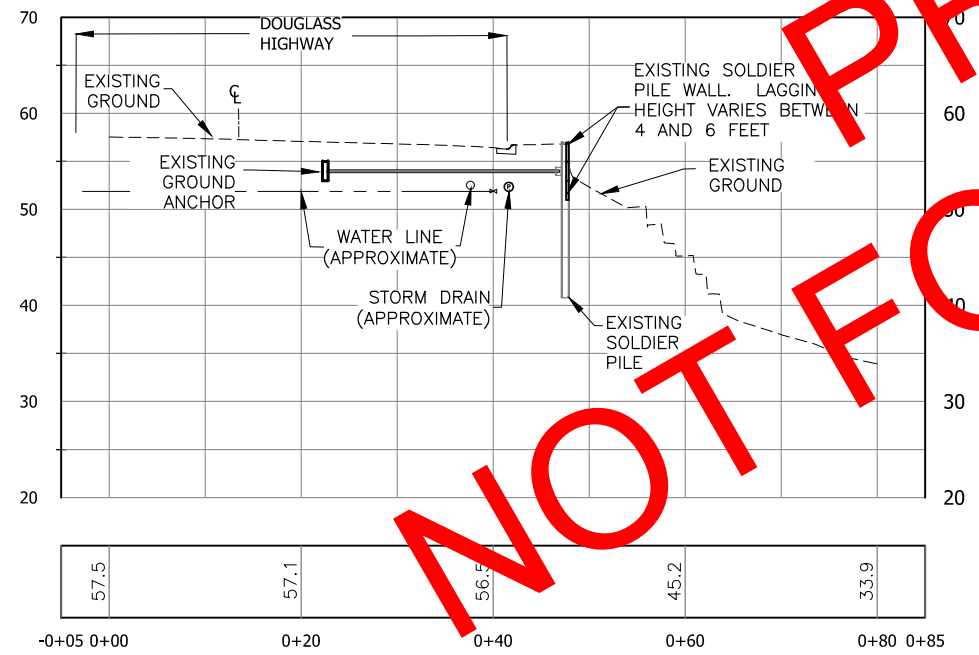
SUMMARIES

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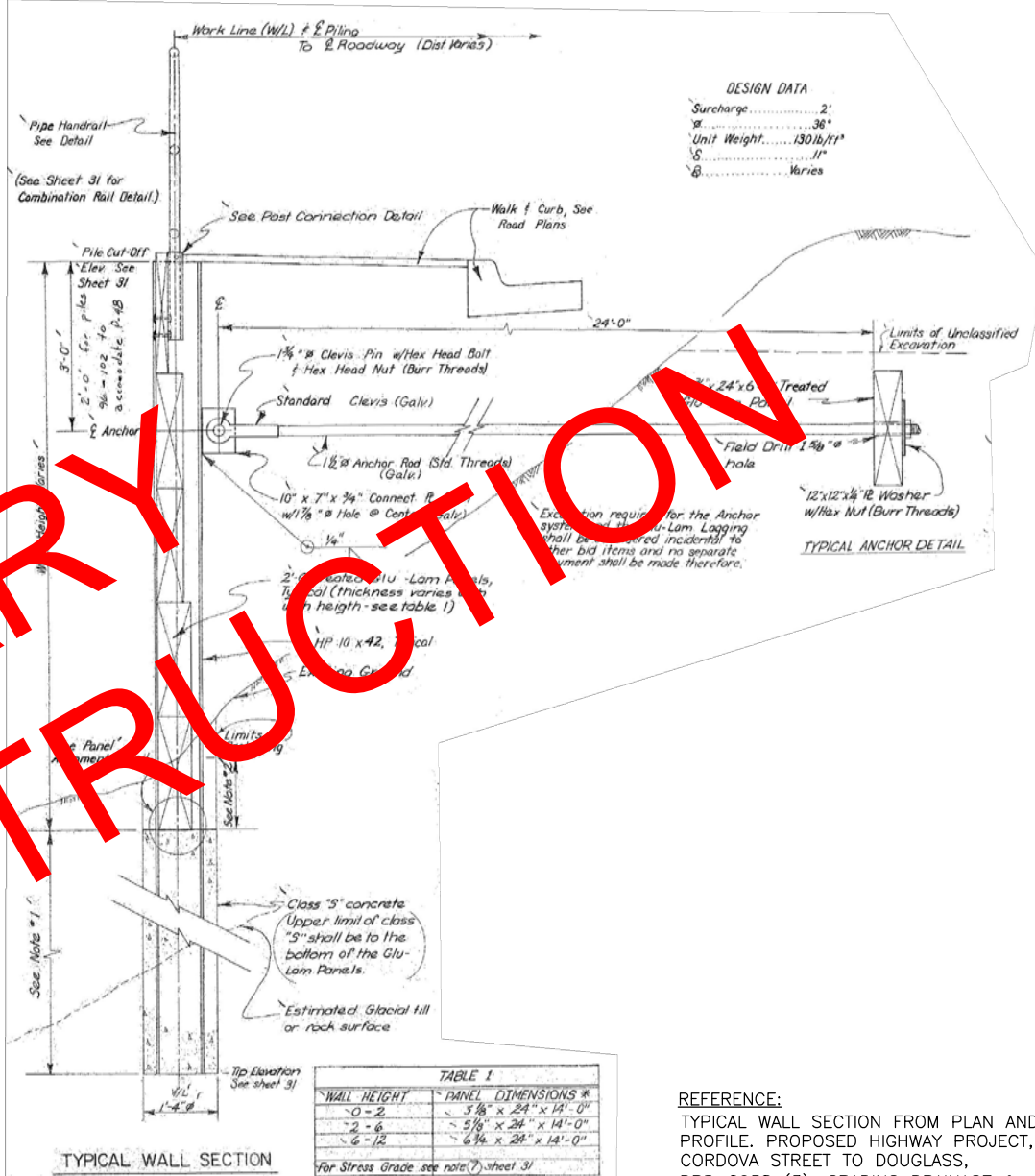
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWY00163	2020	M1	19



1 EXISTING CONDITIONS PLAN



2 EXISTING SECTION



HISTORICAL PLANS - TYPICAL WALL SECTION NTS

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

PLANS DEVELOPED BY:

GOLDER ASSOCIATES INC.

2121 ABBOTT ROAD

SUITE 100

ANCHORAGE, AK 99507

PHONE: 907-344-6001

STATE OF ALASKA

49th

JOHN D. THORNLEY

REGISTERED PROFESSIONAL ENGINEER

No. CE 12484

2020-06-16

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

JNU - DOUGLAS

HIGHWAY SLOPE

STABILIZATION

EXISTING CONDITIONS PLAN AND PROFILES

FILE G:\Geomatics\ADOT\Jnu\SFHwy00163\PlanSet\00163_M1_SOLDIER_PILE_WALL.dwg

APG

DRAFTED

AMM

CHECKED

DESIGNED

JDT

LAYOUT

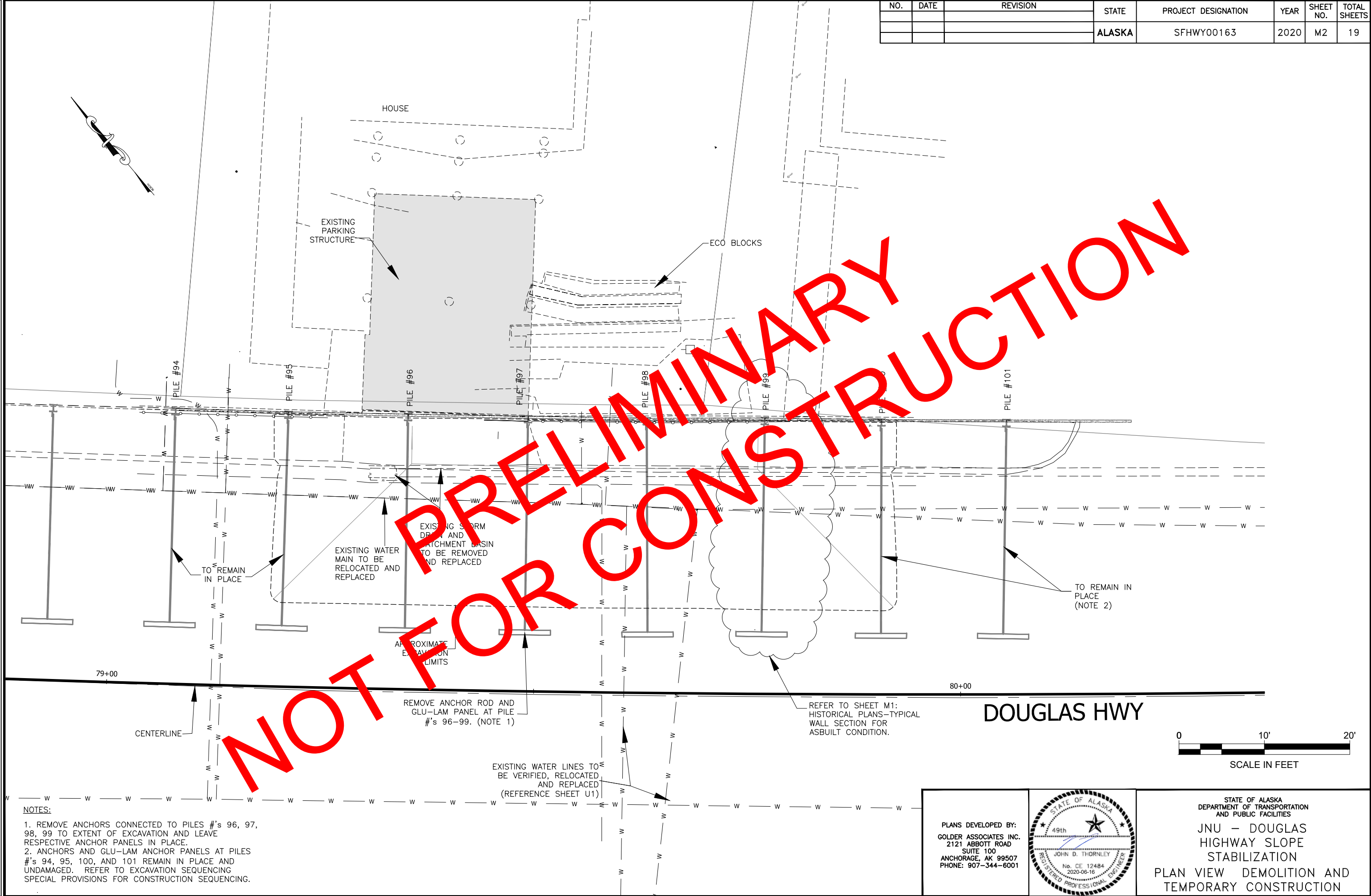
M2 DEMO SHEET

DATE

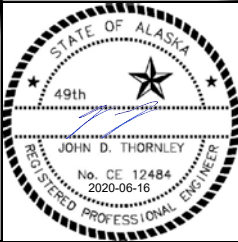
6/16/2020 9:44

6/16/2020 9:44

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHwy00163	2020	M2	19



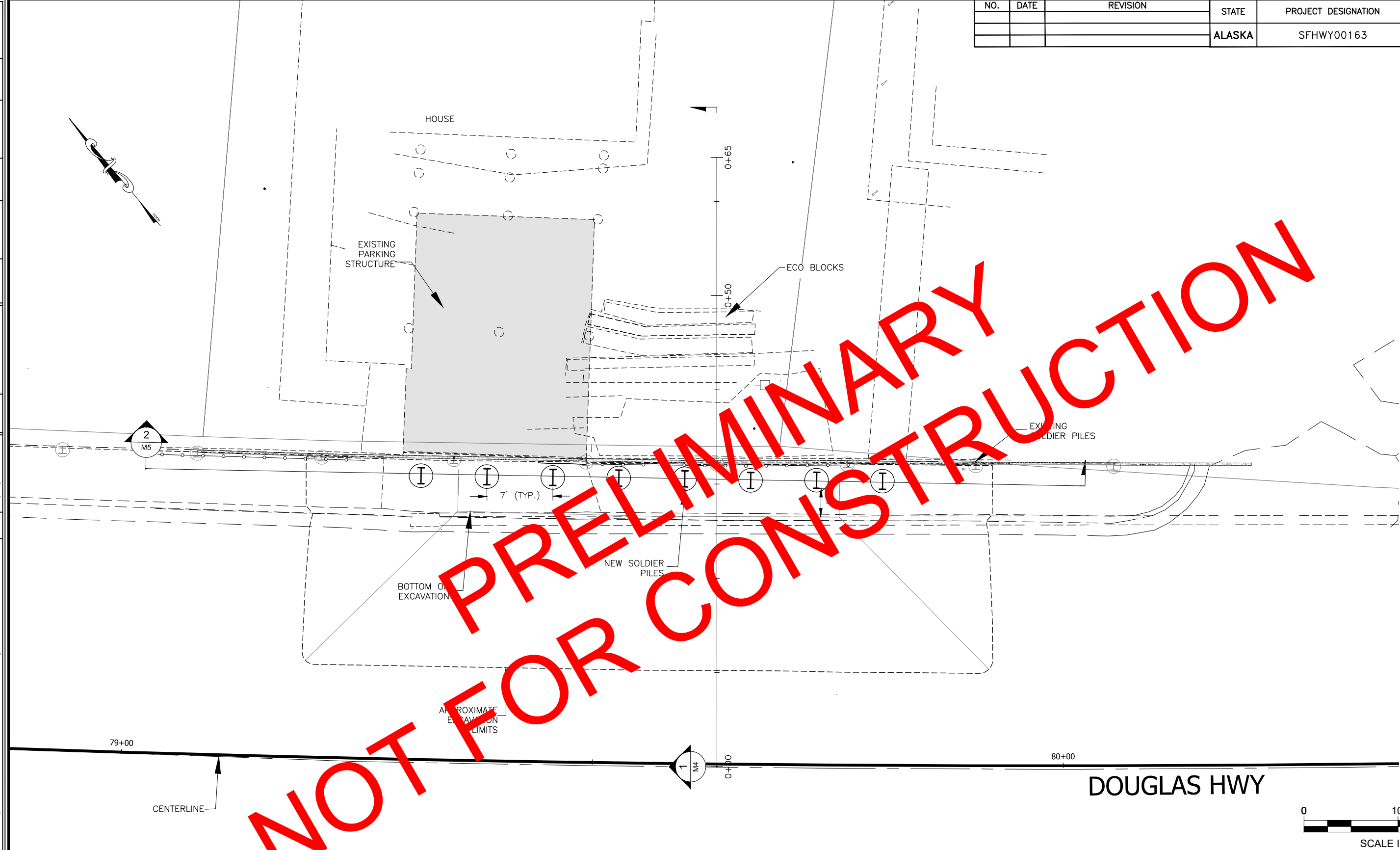
PLANS DEVELOPED BY:
GOLDER ASSOCIATES INC.
2121 ABBOTT ROAD
SUITE 100
ANCHORAGE, AK 99507
PHONE: 907-344-6001



STATE OF ALASKA
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JNU - DOUGLAS
HIGHWAY SLOPE
STABILIZATION
PLAN VIEW DEMOLITION AND
TEMPORARY CONSTRUCTION

FILE G:\Geomatics\ADOT\Jnu\SFHwy00163\PlanSet\00163_M1_SOLDIER_PILE_WALL.dwg DATE 6/16/2020 9:44 LAYOUT M3 PLAN - SP WALL DESIGNED JDT CHECKED AMM DRAFTED APG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHwy00163	2020	M3	19



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

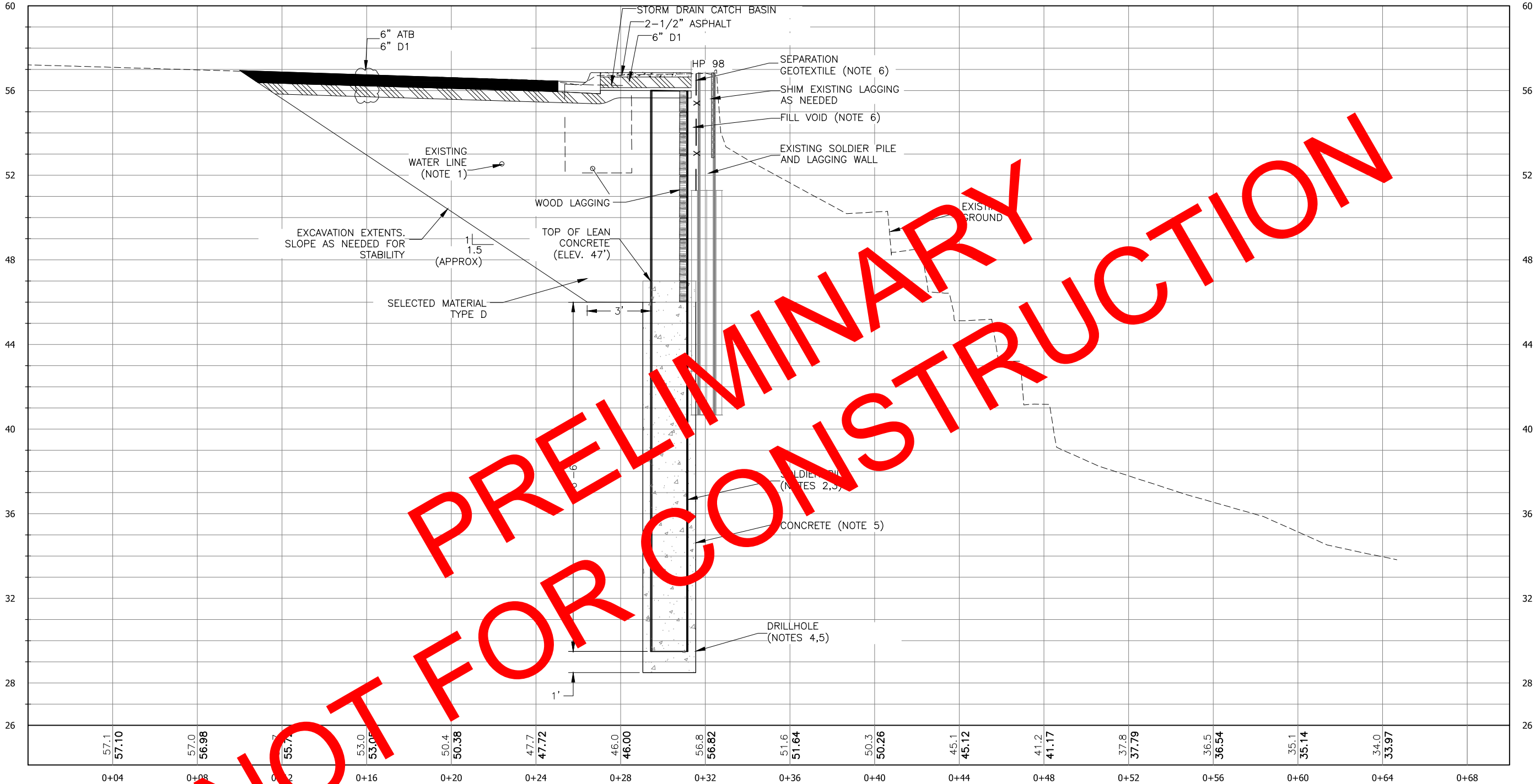
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

JNU - DOUGLAS
HIGHWAY SLOPE
STABILIZATION

NEW SOLDIER PILE WALL

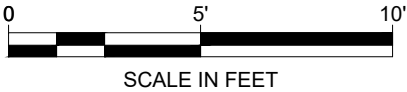
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHwy00163	2020	M4	19



- NOTES:
1. REINSTALL UTILITIES AT LOCATION AND ELEVATION ENCOUNTERED DURING EXCAVATION.
 2. STEEL SECTIONS FOR SOLDIER PILES SHALL BE W21x58 AND 26.5 FEET LONG. INSTALLED TOP OF SOLDIER PILE SHALL BE 6 INCHES BELOW BOTTOM OF SIDEWALK CONCRETE.
 3. STEEL SECTIONS SHALL BE EMBEDDED AT LEAST 16 FEET BELOW THE BASE OF EXCAVATION TO AN ELEVATION OF 29.5 FEET.
 4. DRILLED SHAFTS FOR PILES SHALL BE 30 INCHES IN DIAMETER AND EXTEND AT LEAST ONE FOOT BELOW THE BOTTOM OF THE PILE TO AN ELEVATION OF 28.5 FEET.
 5. BACKFILL SOLDIER PILE SHAFT TO ELEVATION ON PLAN PER SPECIFICATIONS.
 6. PLACE SEPARATION GEOTEXTILE ALONG LENGTH AND HEIGHT OF BACK OF EXISTING SOLDIER PILE AND LAGGING WALL, THEN BACKFILL VOID BETWEEN TWO WALLS WITH SELECT MATERIAL TYPE E BY PLACING MATERIAL IN 1 TO 2 FOOT LIFTS AND COMPACTING USING METHODS SUCH AS TAMPING.

1
M4 SECTION - MSE WALL



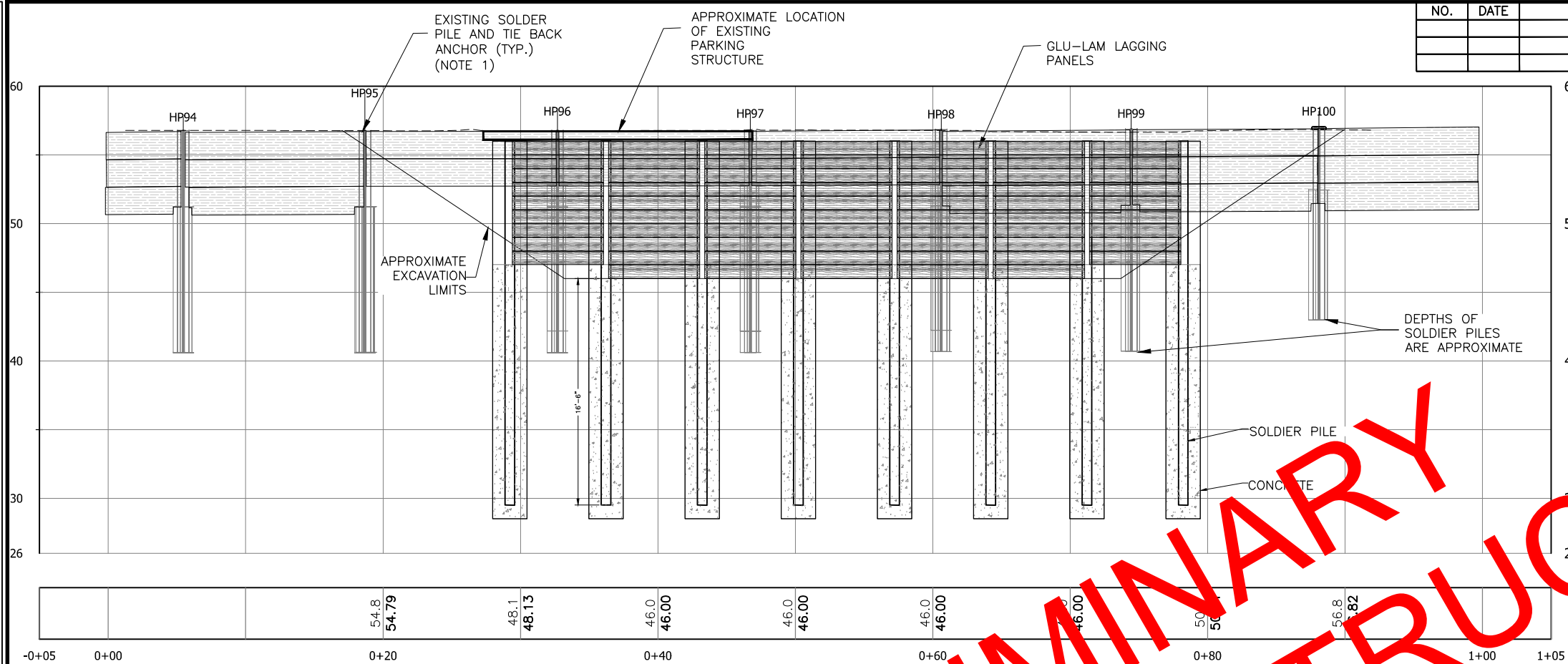
PLANS DEVELOPED BY:
GOLDER ASSOCIATES INC.
2121 ABBOTT ROAD
SUITE 100
ANCHORAGE, AK 99507
PHONE: 907-344-6001



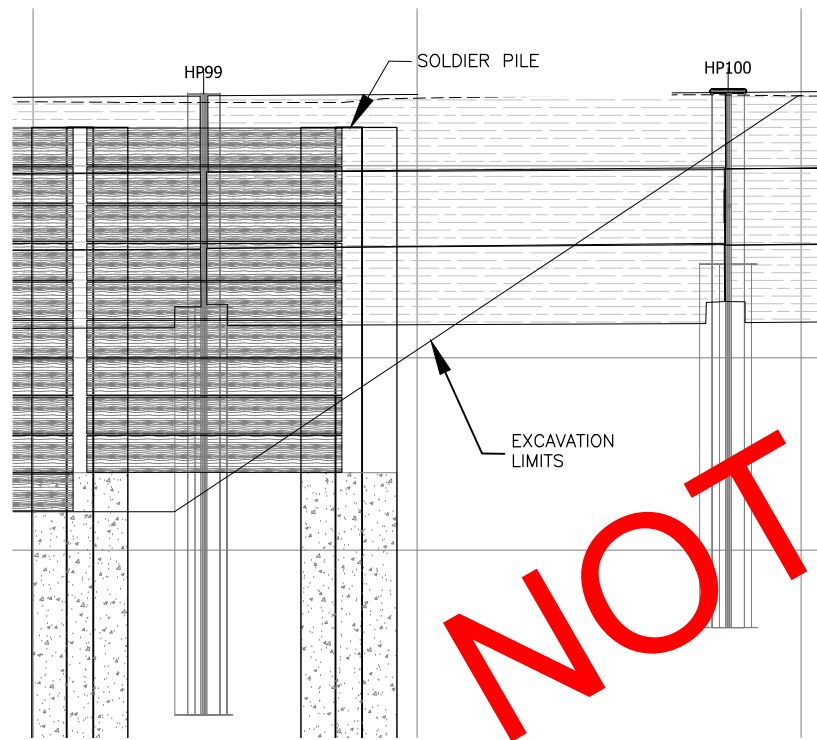
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
JNU - DOUGLAS
HIGHWAY SLOPE
STABILIZATION
M4 SECTION 1

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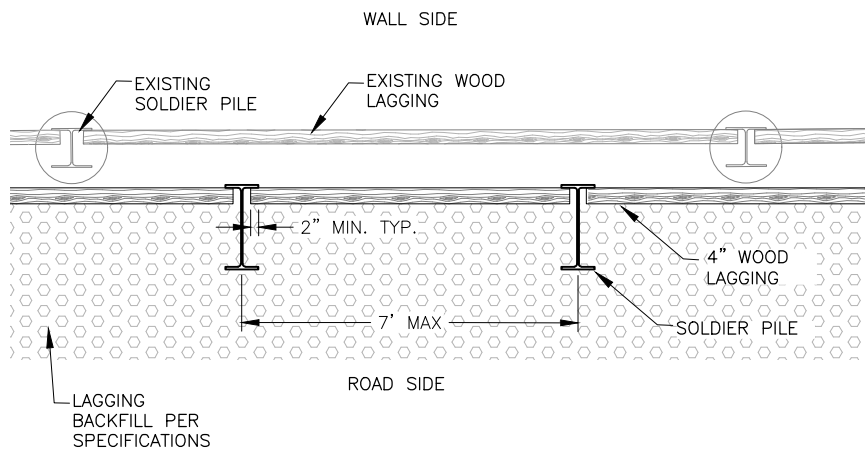
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHwy00163	2020	M5	19



2 PROFILE - NEW AND EXISTING SOLDIER PILE LAGGING FACE
M5



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



3 LAGGING DETAIL
M5 SCALE: NOT TO SCALE

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

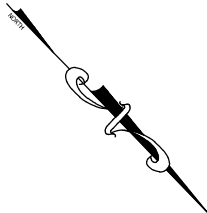
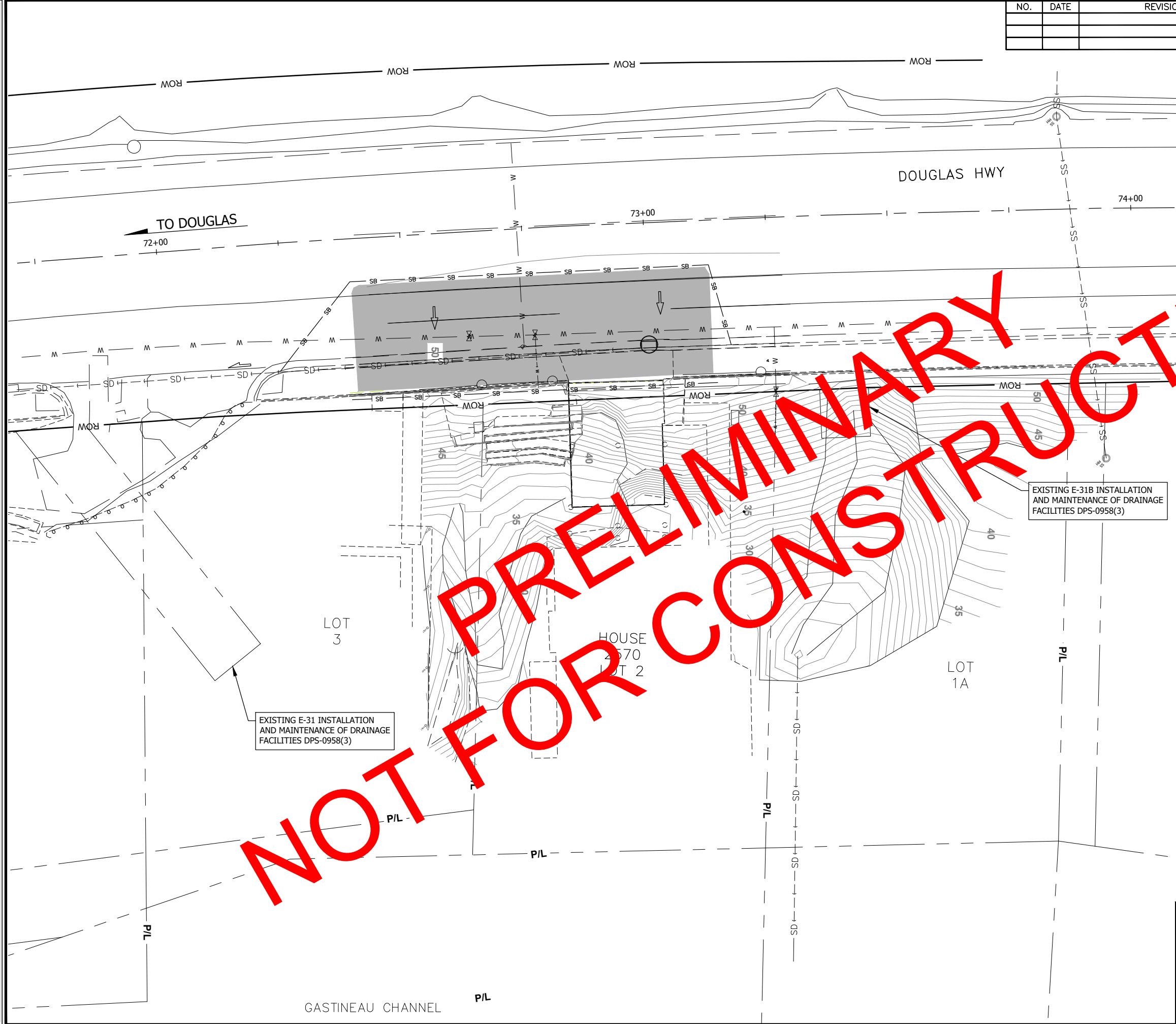
STATE OF ALASKA
49th
JOHN D. THORNLEY
No. CE 12484
2020-06-16
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
JNU - DOUGLAS
HIGHWAY SLOPE
STABILIZATION
PROFILE AND DETAILS

FILE Q:\nu\SFH\00163\PlanSet\00163_01_ESCP.dwg

DATE 9/30/2021 10:58 LAYOUT Q1 DESIGNED PW, BL CHECKED DP DRAFTED RG, BL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFH\00163	2022	Q1	19



NOT FOR PRELIMINARY CONSTRUCTION

EXISTING E-31B INSTALLATION AND MAINTENANCE OF DRAINAGE FACILITIES DPS-0958(3)

EXISTING E-31 INSTALLATION AND MAINTENANCE OF DRAINAGE FACILITIES DPS-0958(3)

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

ESCP LEGEND	
	SEDIMENT BARRIER
	EXISTING CULVERT FLOW
	CULVERT FLOW DIRECTION
	SURFACE FLOW DIRECTION
	INLET PROTECTION
	AREA OF DISTURBANCE
	WETLANDS

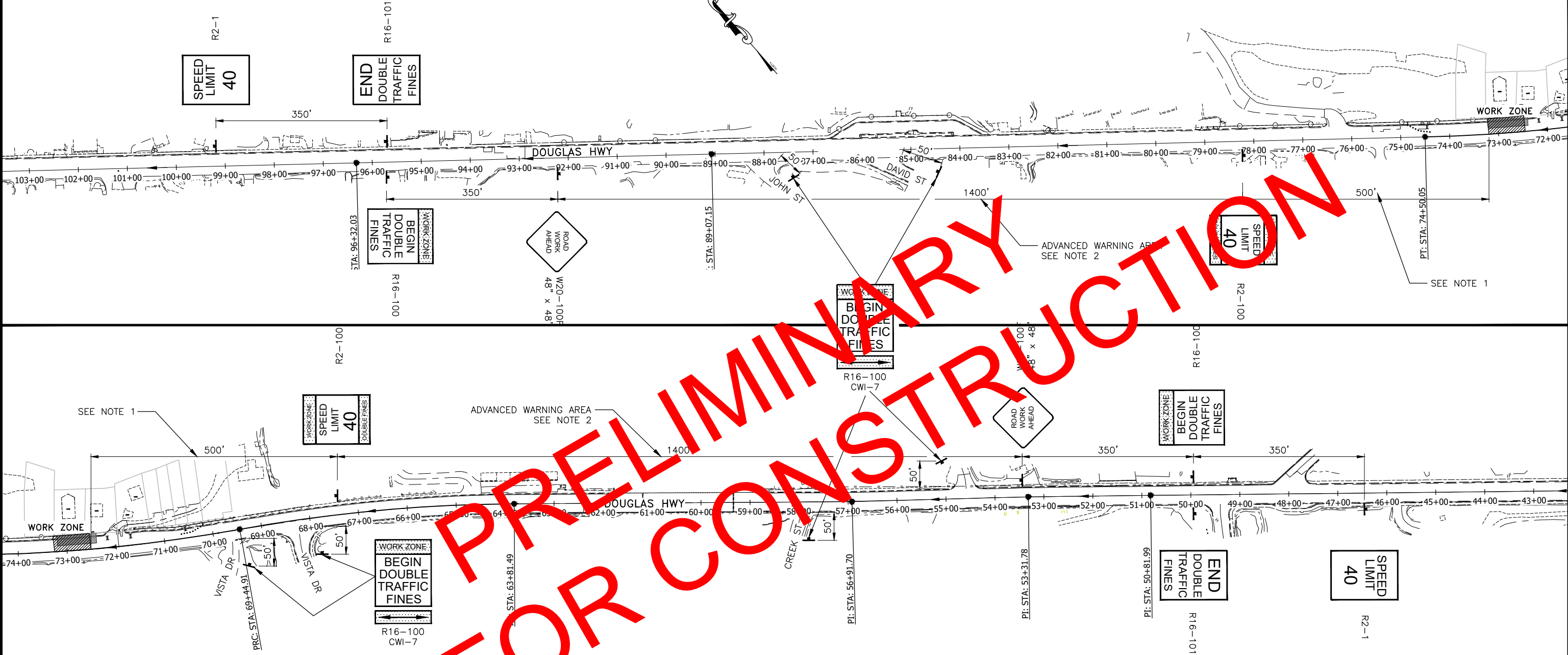
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763
JNU – DOUGLAS HIGHWAY SLOPE STABILIZATION
EROSION & SEDIMENT CONTROL PLAN

FILE Q:\jnu\SFHWY00163\Planset\00163_T1-T2_Traf.dwg DATE 5/12/2020 15:17 LAYOUT T1 DESIGNED PW: BL CHECKED DP DRAFTED RG: BL



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



TRAFFIC CONTROL NOTES:

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

LEGEND	
	POST MOUNTED SIGN
	WORK ZONE

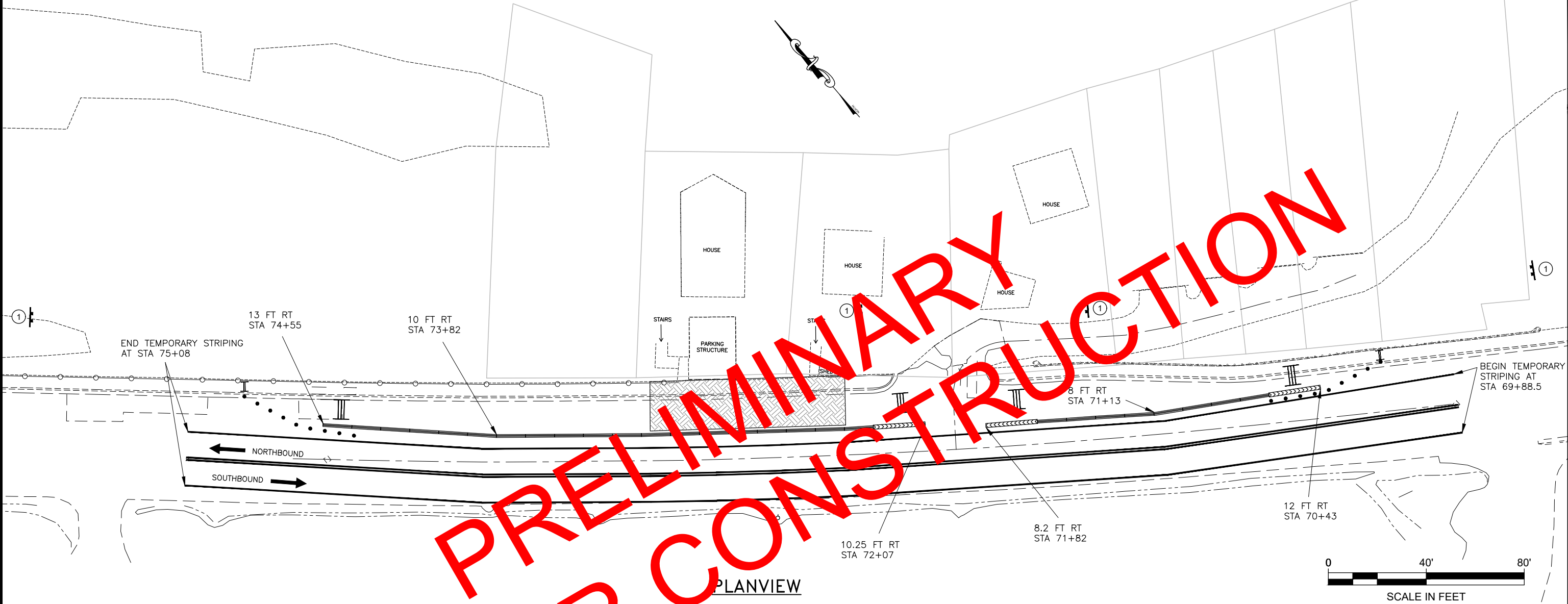
PERMANENT CONSTRUCTION SIGNING

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

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PERMANENT CONSTRUCTION SIGNING

FILE Q:\Jnu\SFHWY00163\PlanSet\00163_T1-T2_Traf.dwg DATE 5/12/2020 15:17 LAYOUT T3 DESIGNED PW. BL CHECKED DP DRAFTED RG. BL

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



PLANVIEW



TRAFFIC CONTROL NOTES:

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

LEGEND

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

TCP SETUP TABLE

SPEED (MPH)	MAX DEVICE SPACING IN FEET		BUFFER SPACE (FT)
	ALONG TAPER	ALONG TANGENT	
40	40	80	305

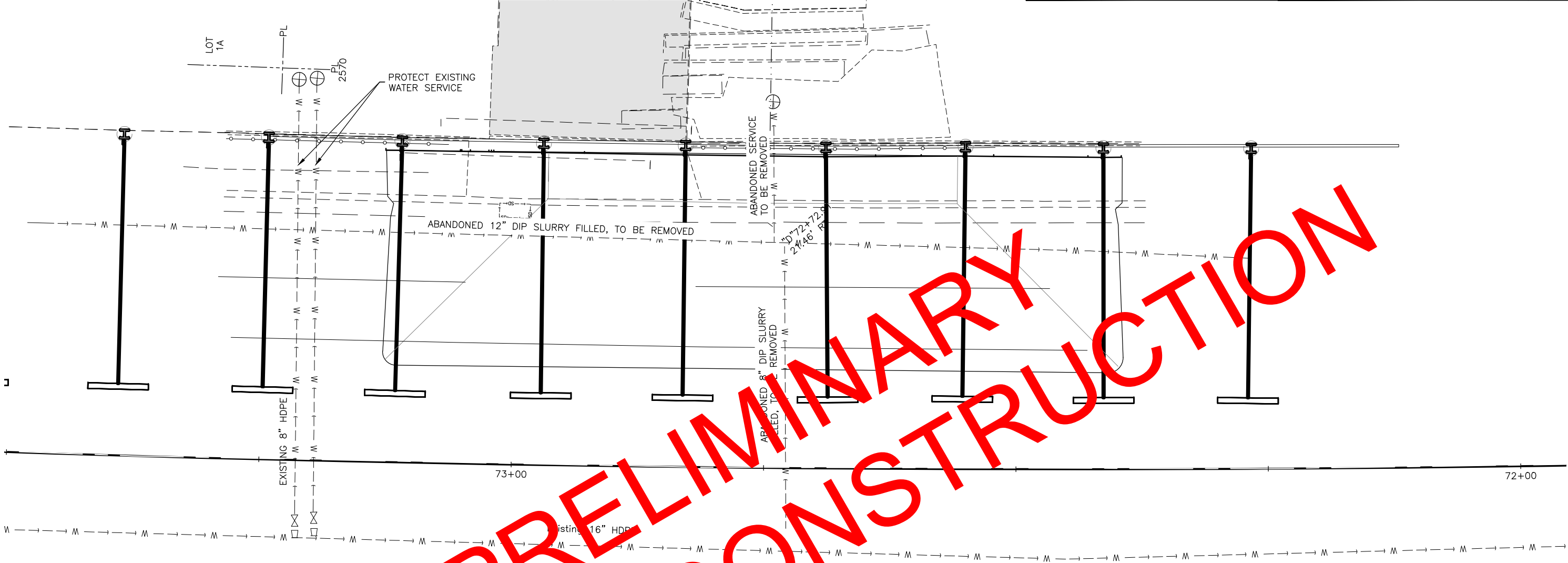
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

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JNU - DOUGLAS HIGHWAY
SLOPE STABILIZATION
TRAFFIC CONTROL DETAILS

FILE Q:\nu\SFH\00163\PlanSet\00163-U1-Waterline.dwg DATE 2/9/2022 8:34 LAYOUT U1 DESIGNED PW, BL CHECKED DP DRAFTED RG, BL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0959021/SFH\00163	2022	U1	19



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JNU - DOUGLAS HIGHWAY SLOPE
STABILIZATION

WATERLINE DETAILS