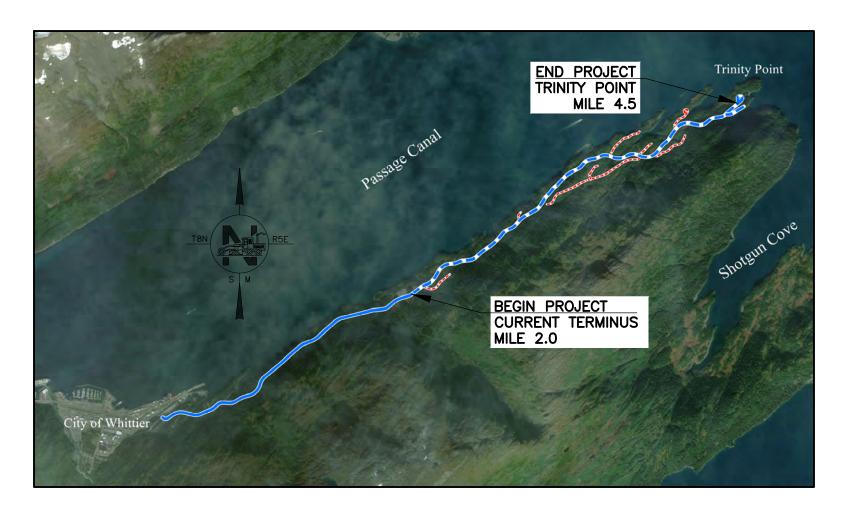
## CITY OF WHITTIER GATEWAY TO THE WESTERN PRINCE WILLIAM SOUND

ALASKA ALASKA PROJECT LOCATION WHITTIER, ALASKA

## PROPOSED HIGHWAY PROJECT SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5 PROJECT NO. XXXX(XXX)/ XXXXXXXXX ROCK CUT, GRADING, DRAINAGE, FISH PASSAGE, RETAINING WALLS, SIGNING



ALASKA XXXX(XXX)/ XXXXXXXXXX 2022	NO.	Δ16
ALASKA VVVV(VVV) / VVVVVVVVV 2022	Δ1	416

PROJECT	SUMMARY	
SEGMENT	WIDTH	LENGTH
MAINLINE	30 FT	2.83 MILES
102+50 ACCESS ROAD	18 FT	0.22 MILES
144+50 ACCESS ROAD	18 FT	0.06 MILES
184+25 ACCESS ROAD	18 FT	0.29 MILES
195+00 ACCESS ROAD	18 FT	0.11 MILES
195+50 ACCESS ROAD	18 FT	0.73 MILES
200+50 ACCESS ROAD	18 FT	0.26 MILES
212+65 ACCESS ROAD	18 FT	0.21 MILES

DESIGN DESIGNATIONS						
	SHOTGUN COVE ROAD					
FUNCTIONAL CLASS	COLLECTOR ROAD					
AADT (2022)	<100 VPD					
AADT (2042)	700 VPD					
DESIGN SPEED (V)	30 MPH					
POSTED SPEED	25 MPH					
MIN. HORIZONTAL CURVE RADIUS	375 FT					
STOPPING SIGHT DISTANCE (LEVEL ROADWAY)	200 FT					
PASSING SIGHT DISTANCE	500 FT					
MAX. GRADE	10%					
MAX. SUPER	.06					

	ACCESS ROADS
FUNCTIONAL CLASS	LOCAL ROAD
AADT (2022)	<100 VPD
AADT (2042)	<250 VPD
DESIGN SPEED (V)	20 MPH
POSTED SPEED	20 MPH
MIN. HORIZONTAL CURVE RADIUS	160 FT
STOPPING SIGHT DISTANCE (LEVEL ROADWAY)	115 FT
PASSING SIGHT DISTANCE	400 FT
MAX. GRADE	16%
MAX. SUPER	.06

PLANS DEVELOPED BY: CRW ENGINEERING GROUP, LLC

## CITY OF WHITTIER P.O. BOX 608

WHITTIER, ALASKA 99693 (907)472-2327

APPROVED:

CITY OF WHITTIER

CONCUR:

USDA FOREST SERVICE

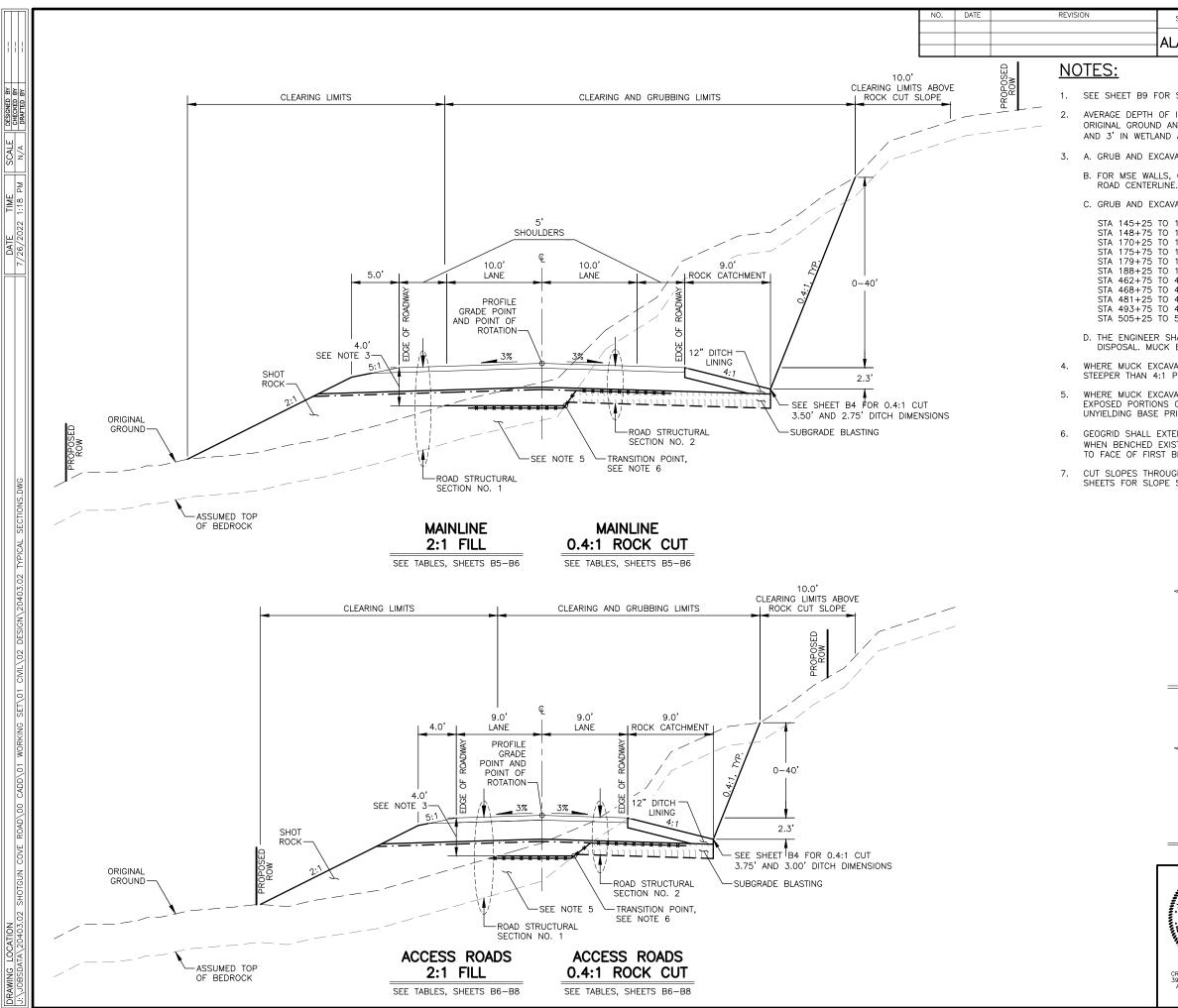
CONCUR:

FHWA, WESTERN FEDERAL LANDS, HIGHWAY DIVISION

DATE

DATE

DATE



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	xxxx(xxx)/ xxxxxxxxxx	2022	B1	B9

SEE SHEET B9 FOR SUPERELEVATION SLOPES AND TRANSITIONS.

AVERAGE DEPTH OF IN SITU MUCK, DEPICTED ON THE PLANS AS THE DISTANCE BETWEEN ORIGINAL GROUND AND ASSUMED TOP OF BEDROCK, IS APPROXIMATELY 1.5' IN FORESTED AREAS AND 3' IN WETLAND AREAS.

3. A. GRUB AND EXCAVATE MUCK LESS THAN 4' BELOW THE FINISHED GRADE ELEVATION AS SHOWN. B. FOR MSE WALLS, GRUB AND EXCAVATE ALL MUCK BETWEEN EXCAVATION LIMITS SHOWN AND

C. GRUB AND EXCAVATE MUCK BETWEEN CUT AND FILL LIMITS FO THE FOLLOWING STATIONS:

STA 145+25 TO 146+75 LT & RT STA 148+75 TO 154+25 LT & RT STA 170+25 TO 172+75 LT & RT STA 175+75 TO 176+75 LT & RT STA 179+75 TO 180+75 LT & RT STA 188+25 TO 189+75 LT & RT STA 462+75 TO 468+75 LT & RT STA 468+75 TO 469+25 LT STA 481+25 TO 485+00 LT & RT STA 493+75 TO 494+25 LT & RT STA 505+25 TO 505+85 LT & RT

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CRW ENGINEERING GROUP, LLC 3940 ARCTIC BLVD. SUITE 300 ANCHORAGE, ALASKA 99503 (907) 562-3252 #AECL882-AK

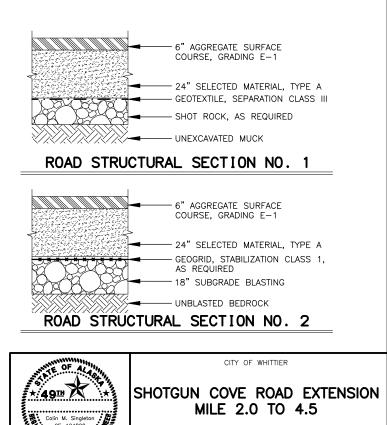
D. THE ENGINEER SHALL MAKE ALL FINAL DETERMINATIONS REGARDING MUCK EXCAVATION AND DISPOSAL. MUCK EXCAVATION TO BE PAID AS UNCLASSIFIED EXCAVATION.

WHERE MUCK EXCAVATION EXTENDS BELOW SUBGRADE BLASTING, BENCH EXISTING SLOPES STEEPER THAN 4:1 PRIOR TO CONSTRUCTING EMBANKMENTS, AS REQUIRED PER SPECIFICATIONS.

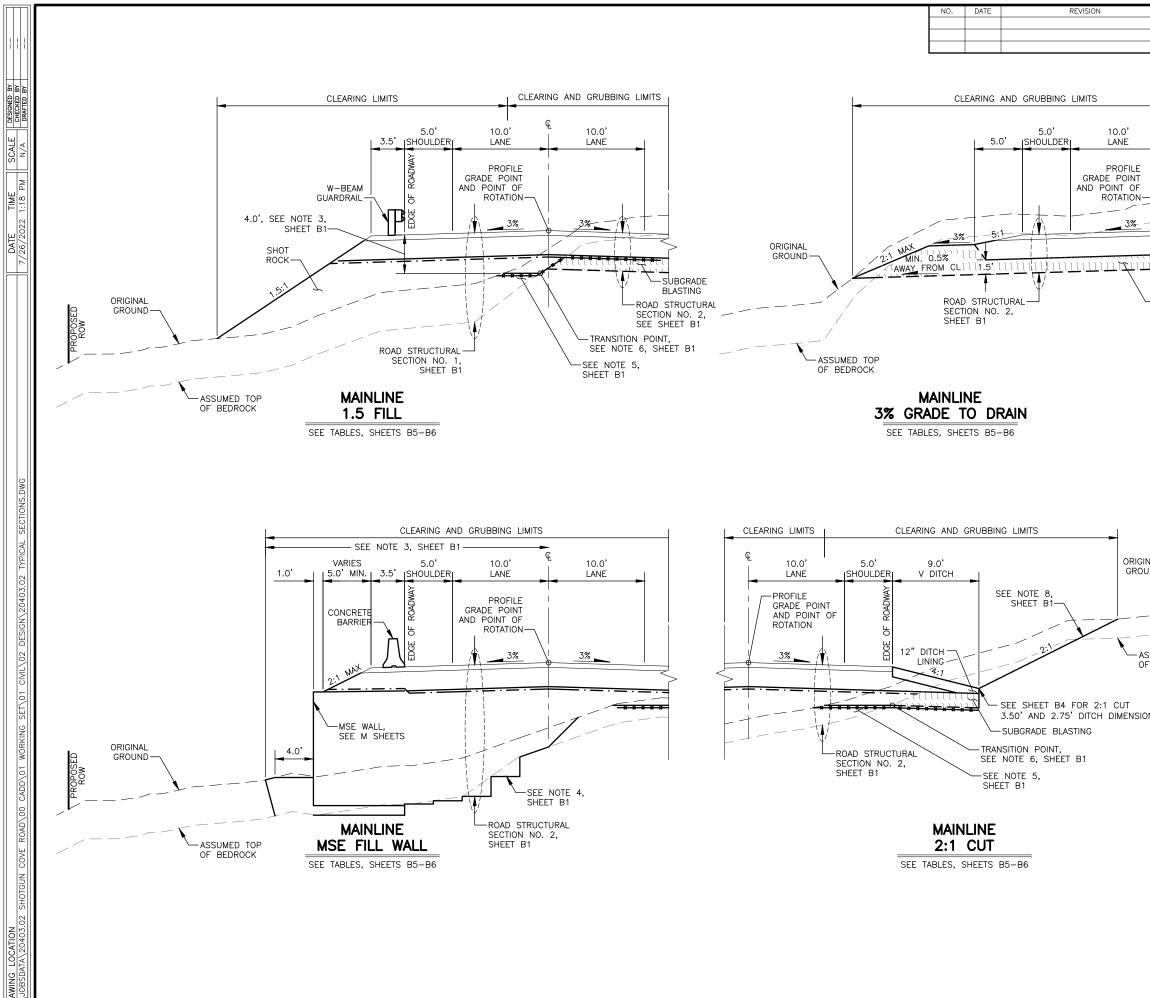
WHERE MUCK EXCAVATION LIMITS REQUIRE CUTTING THROUGH VEGETATION MAT, BACKFILL EXPOSED PORTIONS OF MUCK WITH SHOT ROCK IN CONTACT WITH BEDROCK TO ESTABLISH UNYIELDING BASE PRIOR TO INSTALLING GEOGRID.

GEOGRID SHALL EXTEND MINIMUM 10' LEFT AND RIGHT OF TRANSITION POINT SHOWN ON PLANS. WHEN BENCHED EXISTING SLOPES ARE WITHIN 10' OF TRANSITION POINT, ONLY EXTEND GEOGRID TO FACE OF FIRST BENCH.

CUT SLOPES THROUGH OR CONSISTING OF MUCK, OR MINERAL SOILS SHALL BE SEEDED. SEE G SHEETS FOR SLOPE STABILIZATION AND SEEDING REQUIREMENTS FOR FILL SLOPES.



TYPICAL SECTIONS



DATE 26/20

	STATE	F	ROJECT L	DESIGNATION	TEAR	NŌ.	SHEETS
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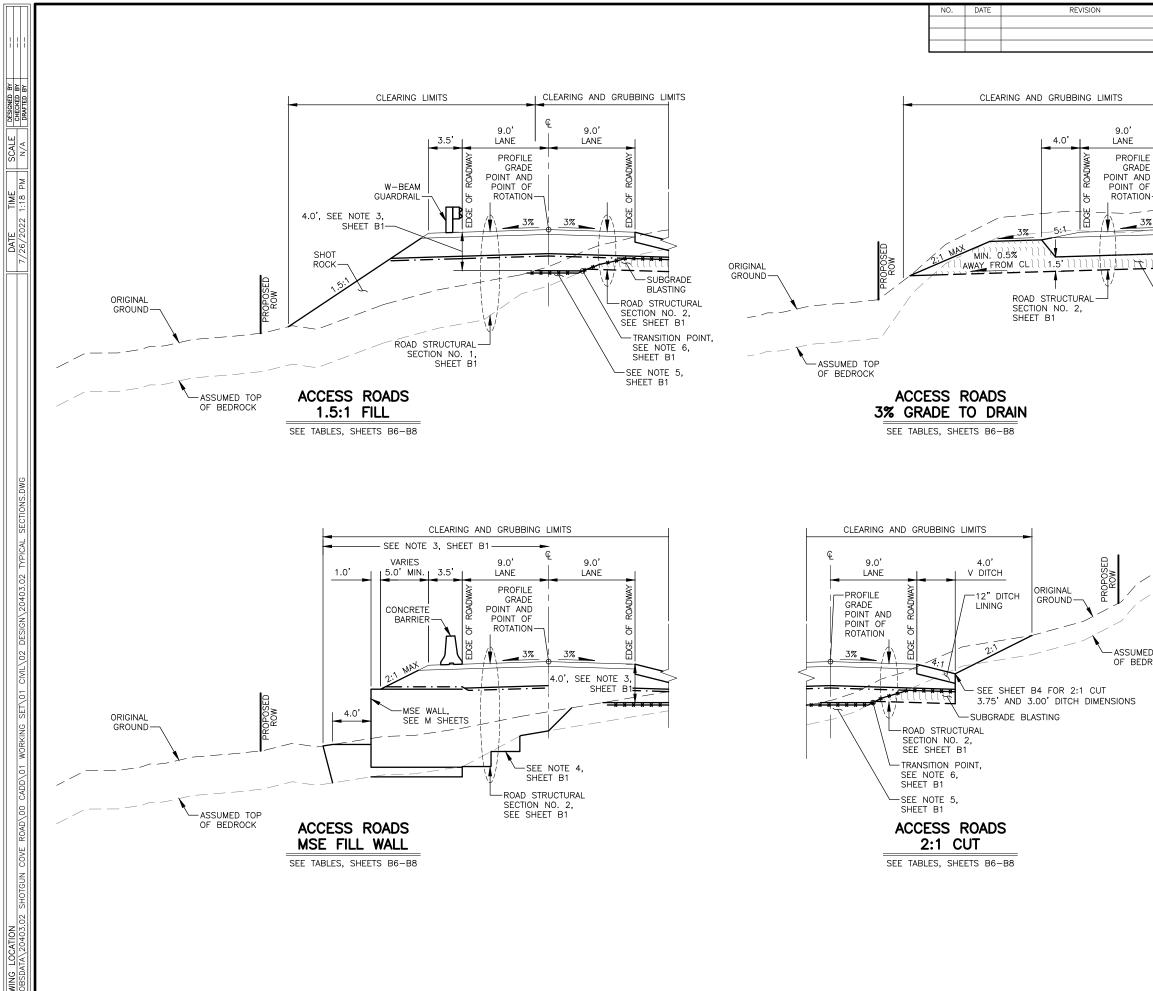
PROJECT DESIGNATION

STATE

SHEET NO.

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TOTAL SHEETS



	ALASKA	xxxx(xxx	:)/	****	2022	B3	B9
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PROJECT DESIGNATION

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SHEET NO.

YEAR

TOTAL SHEETS

