

Regulatory Division (1145) CEPOA-RD Post Office Box 6898 JBER, Alaska 99506-0898

## Public Notice of Application for Permit

PUBLIC NOTICE DATE: Ju

July 2, 2021

**EXPIRATION DATE:** 

August 2, 2021

REFERENCE NUMBER:

POA-2003-00764

**WATERWAY NAME:** 

Passage Canal

Interested parties are hereby notified that a Department of the Army permit application has been received for work in waters of the United States (U.S) as described below and shown on the enclosed project drawings.

All comments regarding this Public Notice (PN) should be sent to the address noted above. If you desire to submit your comments by email, you should send it to the Project Manager's email as listed below or to: regpagemaster@usace.army.mil. All comments should include the PN reference number listed above.

All comments should reach this office no later than the expiration date of this PN to become part of the record and be considered in the decision. Please contact Daniel Delgado at (907) 753-2586, toll free from within Alaska at (800) 478-2712, by fax at (907) 753-5567, or by email at: Daniel.I.Delgado@usace.army.mil if further information is desired concerning this notice.

APPLICANT: City of Whittier, POC: Mr. Scott Korbe, PO BOX 608, Whittier, AK 99693

<u>AGENT</u>: Solstice Alaska Consulting, Inc., POC: Ms. Carrie Connaker, 2607 Fairbanks Street, Anchorage, AK 99503

<u>LOCATION</u>: The project site is located within Sections 3, 8, 9, & 17, T. 8N, R. 5E, at approximately Latitude 60.797732° N., Longitude 148.596515° W; in Whittier, Alaska. From the Whittier Tunnel (Anton Anderson Memorial Tunnel), continue onto W Camp Rd towards Whittier. Turn right onto Whittier Street. Continue onto Blackstone Rd. Turn right onto Shotgun Cove Road. Project begins at existing Shotgun Cove Road terminus (mile 2.0).

<u>PURPOSE</u>: The applicant's stated purpose is to improve access to federal and state lands, alleviate pressure on Whittier's regional transportation system, and realize potential economic growth. Specifically, the project is focused on providing access to federal and state coastal lands and uplands along Passage Canal, on Trinity Point, and within Prince William Sound; and provide access to City land for recreation and development.

<u>PROPOSED WORK</u>: The proposed project would result in the permanent discharge of up to approximately 74,000 cubic yards (CY) of fill material into approximately 12.9-acres of wetland and the discharge of up to approximately 1,010 CY of fill material into approximately 1.09-acres of streambed below the ordinary high-water mark. Additionally, the proposed project would result in temporary impacts of up to approximately 220 CY of fill material into approximately 0.13-acre of wetland and streams.

The applicant proposes to extend the existing Shotgun Cove Road approximately 2.5-miles from its current terminus (mile 2.0) onto U.S. Forest Service (USFS) land at Trinity Point (mile 4.5), which includes, the construction of nine (9) new parking areas, eight (8) new spur/access roads, and minor safety improvements to two (2) portions of existing trail.

The new main road and spur roads would be composed of a layer of shot rock overlain by 20-inches of Type A selected material and 6-inches of grade E-1 aggregate surface course. The new main road would have two (2) 10-foot wide gravel travel lanes and 5-foot wide gravel shoulders on each side. The spur roads would have two (2) 9-foot wide gravel travel lanes. The new parking areas would have capacities ranging from 8 to 50 cars and would be composed of a 16-inch shot rock gravel pad, overlain by 20 inches of type A selected material, and topped by 6 inches of grade E-1 aggregate surface course. Trail safety improvements would be conducted along two (2) areas of the existing Emerald Cove Trail near proposed parking areas and would consist of adding a 12-inch layer of selected material over the trail while widening the trail to a width of 4-feet.

Due to the steep grade within portions of the project corridor, rock cut blasting and subgrade blasting techniques would be utilized. Blasted rock material would be collected and used for embankments and roadway structural sections.

Culverted crossings with rock riprap at the outlet would be installed at major creeks and various small drainage features, including wetlands, along the length of the main road and spur roads. Culvert diameters would range from 36 to 60 inches with larger culverts being installed at major crossings. Four (4) major crossings were identified along the project corridor (i.e. Station 184+50, Station 186+50, east of Station 197+00, & west of Station 197+00) which would require the installation to culverts designed for resident fish passage. A 60-inch diameter round corrugated metal pipe (CMP) culvert would be used at Stations 184+50 and 186+50, a 20-foot wide single radius arch culvert would be installed west of Station 197+00, and a 9-foot wide single radius arch culvert would be installed east of Station 197+00.

The project is estimated to commence in Spring 2022 and may take 5-10 construction seasons (i.e. years) to complete; not necessarily consecutive. All work would be performed in accordance with the enclosed plan (Figures 1-45), dated June 2021.

<u>ADDITIONAL INFORMATION</u>: The applicant has applied for an Alaska Department of Fish and Game (ADFG) Fish Habitat Permit and Alaska Department of Natural Resources (ADNR) Temporary Water Use Permit. Both permit applications are pending.

<u>APPLICANT PROPOSED MITIGATION</u>: The applicant proposes the following mitigation measures to avoid, minimize, and compensate for impacts to waters of the U.S. from activities involving discharges of dredged or fill material.

- a. Avoidance: The applicant stated, "there is no practicable alternative that would avoid impacts to wetlands, and the project has included all practicable measures to minimize harm to wetlands".
- b. Minimization: The applicant stated, "the alignment was modified and shifted to minimize wetlands impacts by bisecting wetlands in the narrowest locations, avoiding undercutting or draining wetlands, avoiding impacts to wetlands associated with stream channels, and minimizing roadway crossing of existing anadromous fish streams." Additionally, the applicant stated, "wetland surface hydrology and connectivity would be bisected by the road fill, these disconnects would be minimized through installation of cross drain culverts." Other minimization measures include, clearly delineating fill boundaries to avoid accidental impacts from equipment operation and fill placement, retaining natural vegetation wherever possible, installing permanent erosion control measures (e.g. riprap aprons, embankment stabilization, & etc.), and protect wetland and stream water quality through the implementation of best management practices (i.e. installing temporary and permanent stabilization measures as soon as practicable or at least within 14 days on all portions where construction has temporarily or permanently ceased, installing clean shot rock or shredded wood mulch on exposed slopes, installing and maintaining sediment control measures, stabilizing constructions exits for vehicles leaving the work area, minimizing vehicle or equipment operation in flowing water, & re-introducing creek water in areas where water was temporarily rerouted in a manner designed to minimize sediment movement downstream of project area).
- c. Compensatory Mitigation: The applicant proposes to compensate for unavoidable loss of wetlands by preserving, in perpetuity, approximately 6.4-acres of wetlands within the project corridor by excluding this area from public recreation, private sale, or future development. Furthermore, the applicant proposes to "create approximately 7.1 acres of setback protection "non-disturbance zones" around select watercourses on City-owned land through the adoption of code." Additional mitigation consisting of the installation of "informational signage focused on the importance of protecting native vegetation and wetlands and preventing the spread of invasive species will be installed at key locations along the corridor such as parking areas and trailheads."

<u>WATER QUALITY CERTIFICATION</u>: A permit for the described work will not be issued until a certification or waiver of certification, as required under Section 401 of the Clean Water Act (Public Law 95-217), has been received from the Alaska Department of Environmental Conservation (ADEC). The applicant submitted a request for Section 401 Water Quality Certification on June 11, 2021. The application is currently pending.

<u>CULTURAL RESOURCES</u>: The lead Federal agency, Federal Highways Administration (FHWA), is responsible for compliance with the requirements of Section 106 of the National

Historic Preservation Act. FHWA contracted Cultural Resource Consultants, LLC (CRC) to conduct a desktop study and an archeological field investigation of the proposed project area to identify cultural resources on or eligible for listing to the National Register of Historic Places. As a result of the investigation, FHWA determined the proposed project would have no effect to historic properties. FHWA consulted with the Alaska State Historic Perseveration Officer (SHPO) requesting concurrence with their effect determination. On November 20, 2020, the SHPO concurred with FHWA's effect determination.

The Corps of Engineers (Corps) has reviewed the Section 106 documentation from the FHWA and the Alaska State Historic Preservation Office and concurs with their findings and determination.

ENDANGERED SPECIES: The lead Federal agency, FHWA, is responsible for compliance with the requirements of Section 7 of the Endangered Species Act. FHWA found that the endangered fin whale (Balaenoptera physalus), endangered Western North Pacific Distinct Population Segment (DPS) and threatened Mexico DPS humpback whale (Megaptera novaeangliae), and endangered Western DPS Steller sea lion (Eumetopias jubatus) have the potential to inhabit the action area within Passage Canal. Blasting techniques would be utilized during project construction which would require approximately eight (8) blasts over 30days of blasting within 5-10 construction seasons to be conducted within 50-meters of the shoreline along Passage Canal. It is anticipated that only one (1) blast would occur per day. Blasting during project construction has the potential to be heard by marine mammals in Passage Canal. The FHWA has committed to implement various mitigation measures to minimize the risk of harm to marine mammals during blasting, which includes, no in-water work in Passage Canal, minimize spillover of blasted material outside of the designated work zone, ensure a protected species observer (PSO) is present during all blasting activities, establish an exclusion zone within 1500-meters of the sound source within Passage Canal, blasting only when waters within and adjacent to the exclusion zone are clearly visible, positioning PSOs such that the entire exclusion zone is observable, outfitting PSOs with the necessary equipment to identify, take action, and record listed species within the exclusion zone, provide the National Marine Fisheries Service (NMFS) with monthly PSO reports and a final PSO report outlining observations, re-initiate consultation should a listed species be "taken", and provide NMFS with a monthly and a final report of "take". Due to the potential of blasting being heard by marine mammals and the associated environmental commitments, the FHWA has determined the project "may affect" the aforementioned threatened and endangered species. As a result, FHWA initiated informal consultation with NMFS requesting concurrence with their effect determination. On January 20, 2021, NMFS concurred with FHWA's effect determination.

The Corps has reviewed the Section 7 documentation from FHWA and NMFS and concurs with their findings and determinations.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The lead Federal agency, FHWA, is responsible for compliance with the requirements of the Magnuson-Stevens Fishery Conservation and Management Act as it relates to EFH. The FHWA contracted Solstice Alaska Consulting, Inc. (SAC) to conduct an essential fish habitat assessment. SAC

conducted a desktop review of the project area using the ADFG Anadromous Waters Catalog (AWC) and the NMFS Alaska EFH Mapper, and in collaboration with the ADFG conducted three (3) site visits to the project area surveying 16 streams. The assessment concluded that marine EFH is not present within the project area and portions of two (2) streams that bisect the project area are considered EFH for Pink salmon (Oncorhynchus gorbuscha; spawning). These streams include Trinity Creek (AWC code #224-10-14430) and an unnamed stream (AWC code #224-10-1426). The limits of anadromy were defined for Trinity Creek and the unnamed stream during the fish surveys. It was found that each stream has steep gradients that act as a barrier to fish passage prior to reaching the proposed project area. Although EFH is not found within the project area, the applicant has committed to implementing conservation measures to avoid and minimize impacts to downstream EFH. These measures include, obtaining a Title 16 Fish and Habitat Permit from ADFG for proposed in-water work within resident fish streams, developing a blasting plan that will adhere to the ADFG guidance document titled, "Alaska Blasting Standards for the Proper Protection of Fish", obtain a construction general permit from the ADEC, install erosion and sediment control devices, and storing fuel a minimum of 100-feet from waterbodies, which includes no fueling or servicing vehicles or equipment within the 100-foot buffer zone. As such, the lead federal agency, FHWA, has determined the project would result in "no effect" to EFH.

The Corps has reviewed the EFH documentation from the FHWA and concurs with their findings and determination.

TRIBAL CONSULTATION: The Alaska District fully supports tribal self-governance and government-to-government relations between Federally recognized Tribes and the Federal government. Tribes with protected rights or resources that could be significantly affected by a proposed Federal action (e.g., a permit decision) have the right to consult with the Alaska District on a government-to-government basis. Views of each Tribe regarding protected rights and resources will be accorded due consideration in this process. This PN serves as notification to the Tribes within the area potentially affected by the proposed work and invites their participation in the Federal decision-making process regarding the protected Tribal right or resource. Consultation may be initiated by the affected Tribe upon written request to the District Commander during the public comment period.

<u>PUBLIC HEARING</u>: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, reasons for holding a public hearing.

<u>EVALUATION</u>: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity and its intended use on the public interest. Evaluation of the probable impacts, which the proposed activity may have on the public interest, requires a careful weighing of all the factors that become relevant in each particular case. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. The outcome of the general balancing process would determine whether to authorize a proposal, and if so, the conditions under which it will be allowed to occur. The decision should reflect the national concern for both protection and utilization of important resources. All factors, which may be relevant to the proposal, must be considered including the cumulative effects thereof. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation,

shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving 404 discharges, a permit will be denied if the discharge that would be authorized by such permit would not comply with the Environmental Protection Agency's 404(b)(l) guidelines. Subject to the preceding sentence and any other applicable guidelines or criteria (see Sections 320.2 and 320.3), a permit will be granted unless the District Commander determines that it would be contrary to the public interest.

The Corps is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

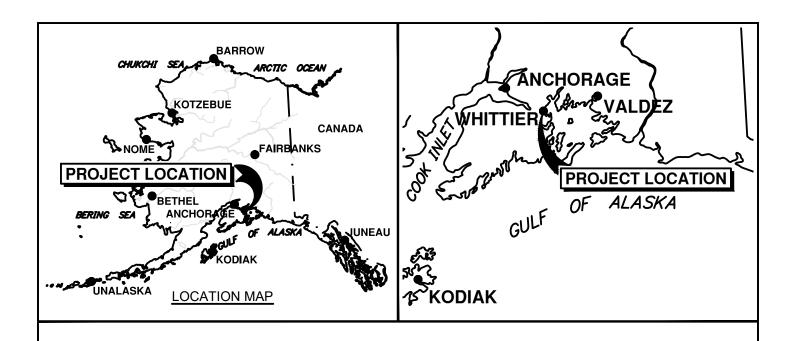
<u>AUTHORITY</u>: This permit will be issued or denied under the following authorities:

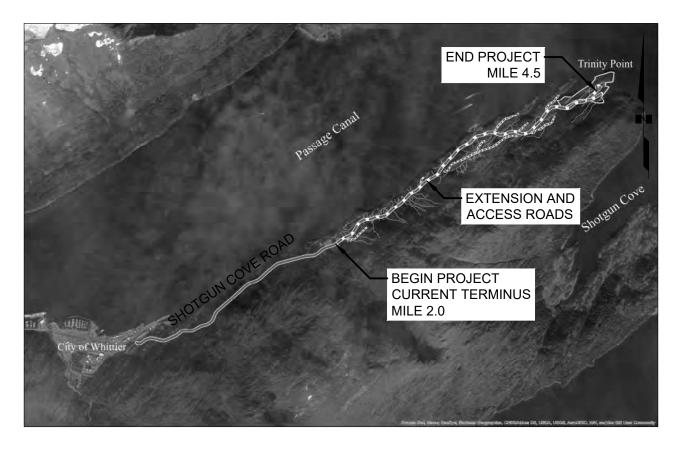
(X) Discharge dredged or fill material into waters of the U.S. – Section 404 Clean Water Act (33 U.S.C. 1344). Therefore, our public interest review will consider the guidelines set forth under Section 404(b) of the Clean Water Act (40 CFR 230).

Project drawings are enclosed with this Public Notice.

District Commander U.S. Army, Corps of Engineers

**Enclosures** 





SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

VICINITY MAP

APPLICANT: CITY OF WHITTIER FILE NO.: POA-XXXX-XXX

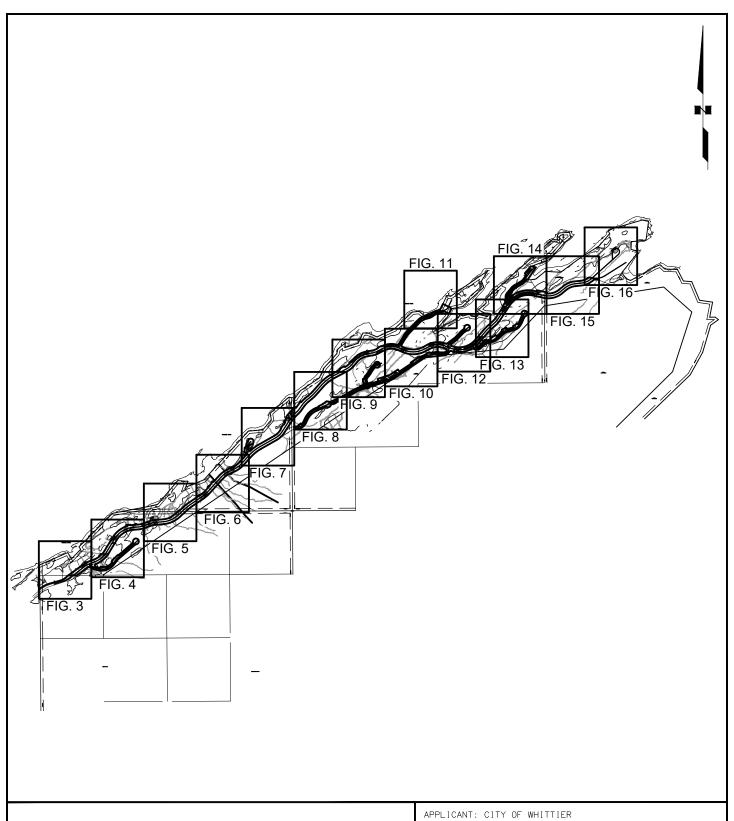
WATERWAY:

PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 1 OF 45 DATE: JUNE 2021



SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

VICINITY MAP

FILE NO.: POA-XXXX-XXX

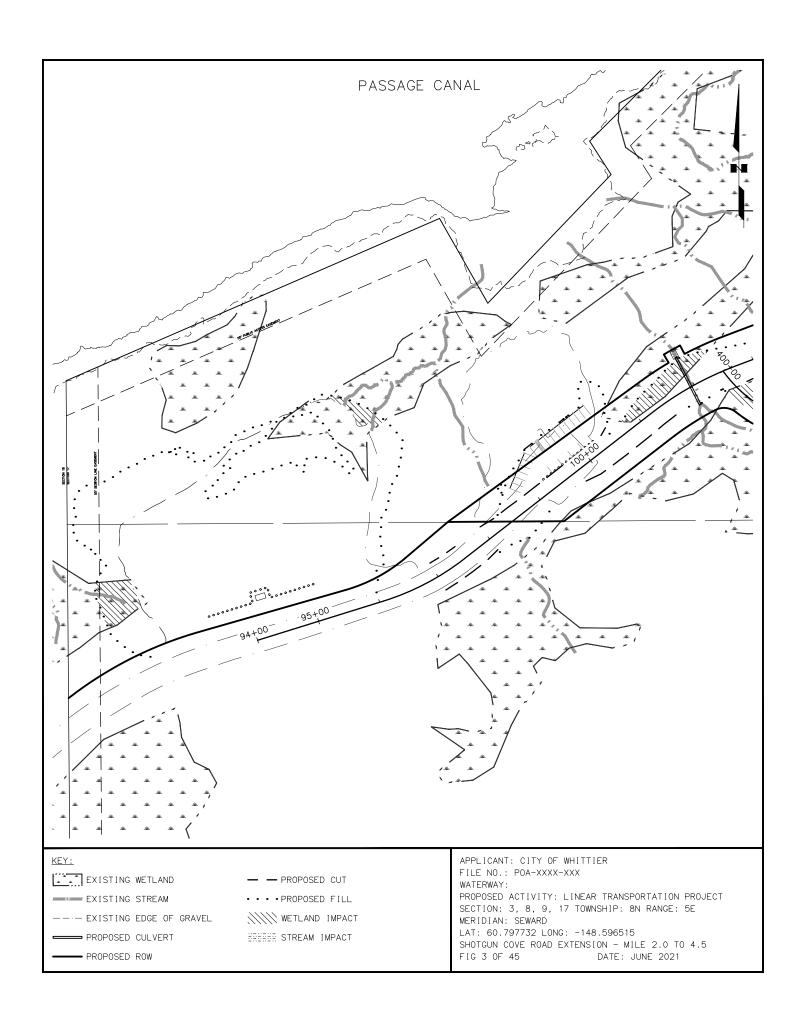
WATERWAY:

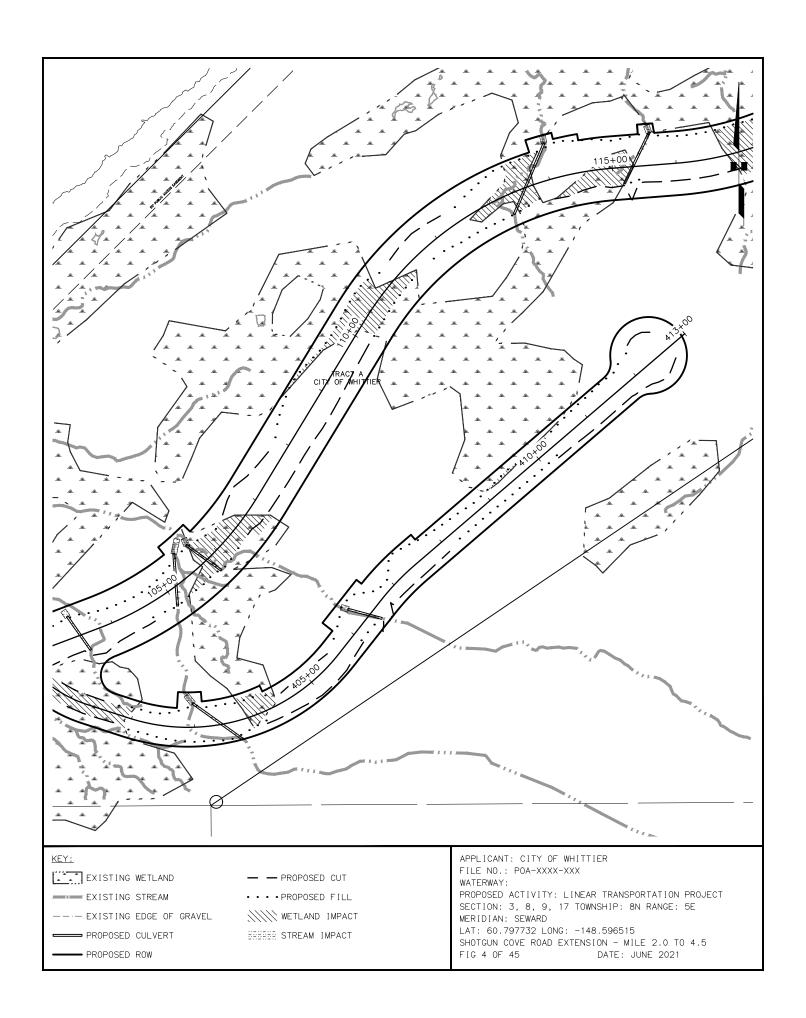
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

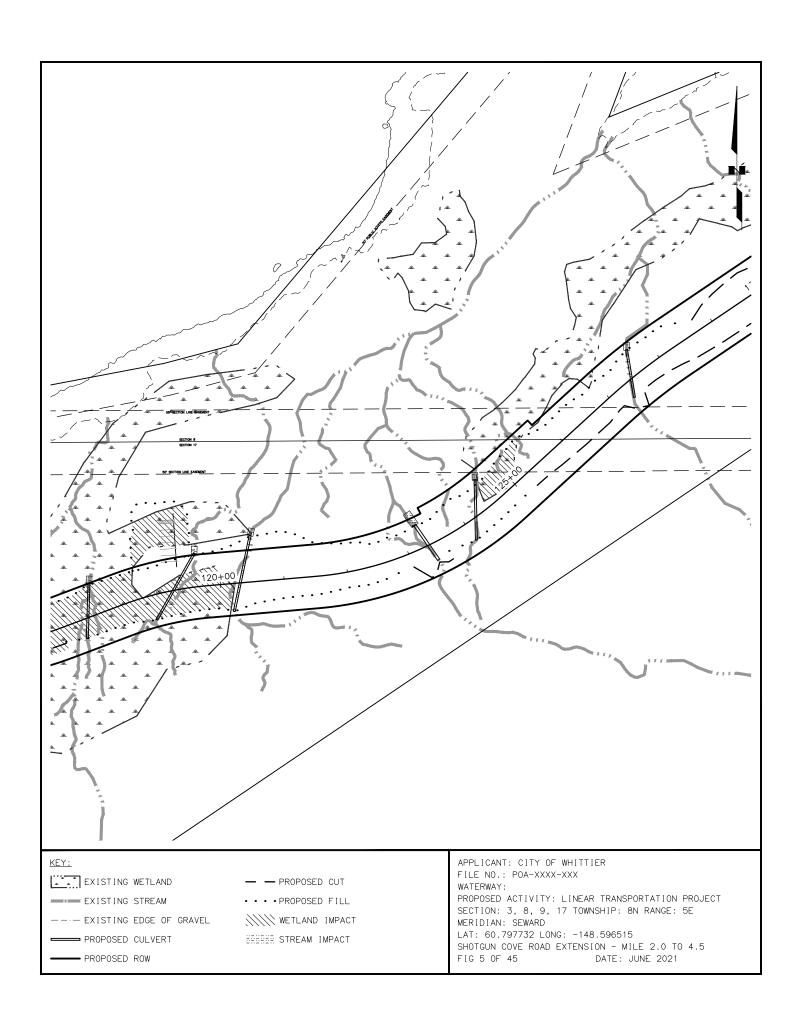
MERIDIAN: SEWARD

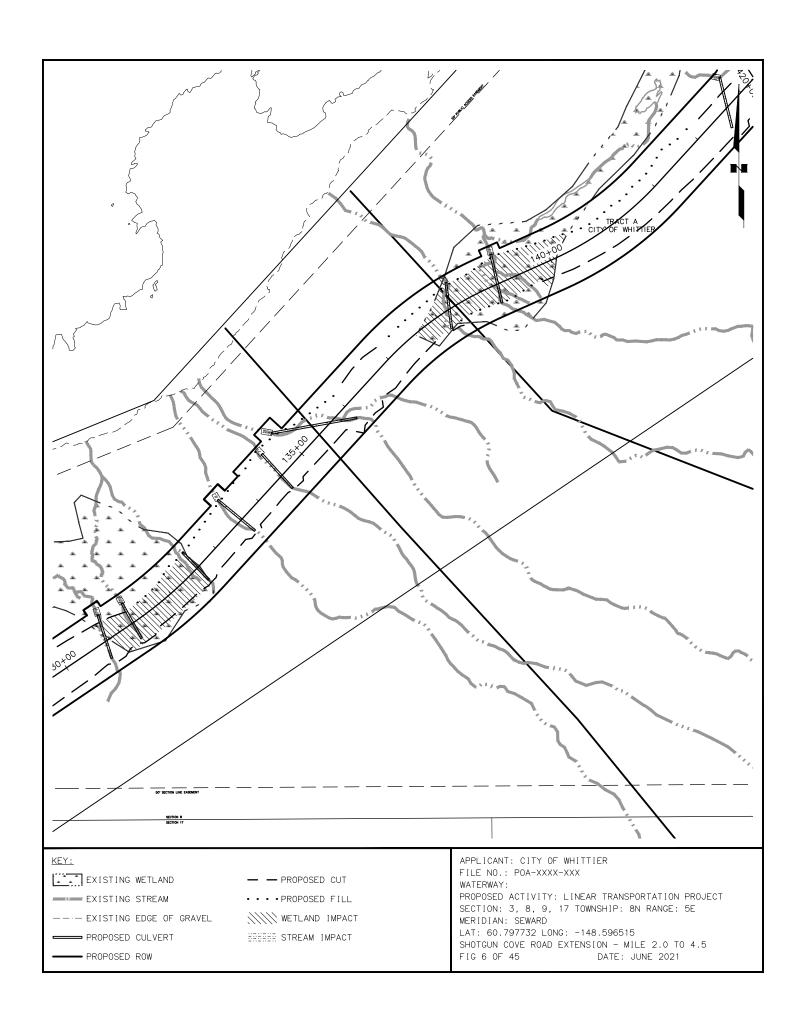
LAT: 60.797732 LONG: -148.596515

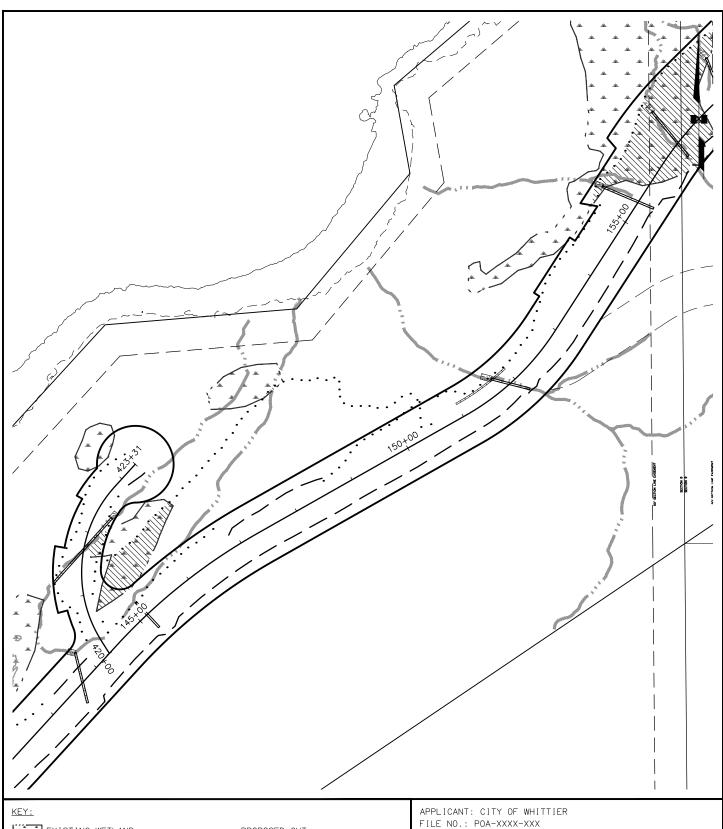
SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 DATE: JUNE 2021 FIG 2 OF 45











EXISTING WETLAND

EXISTING STREAM

--- EXISTING EDGE OF GRAVEL

- PROPOSED CULVERT

- PROPOSED ROW

- - PROPOSED CUT

• • • • PROPOSED FILL

WETLAND IMPACT

###### STREAM IMPACT

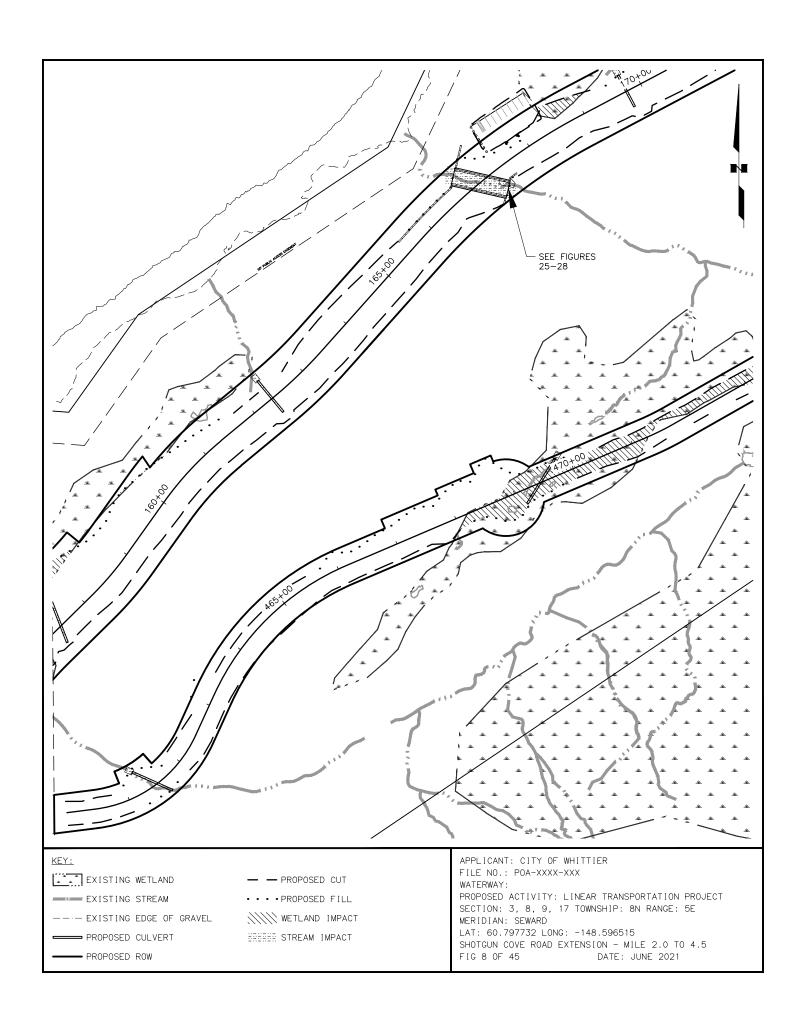
WATERWAY:

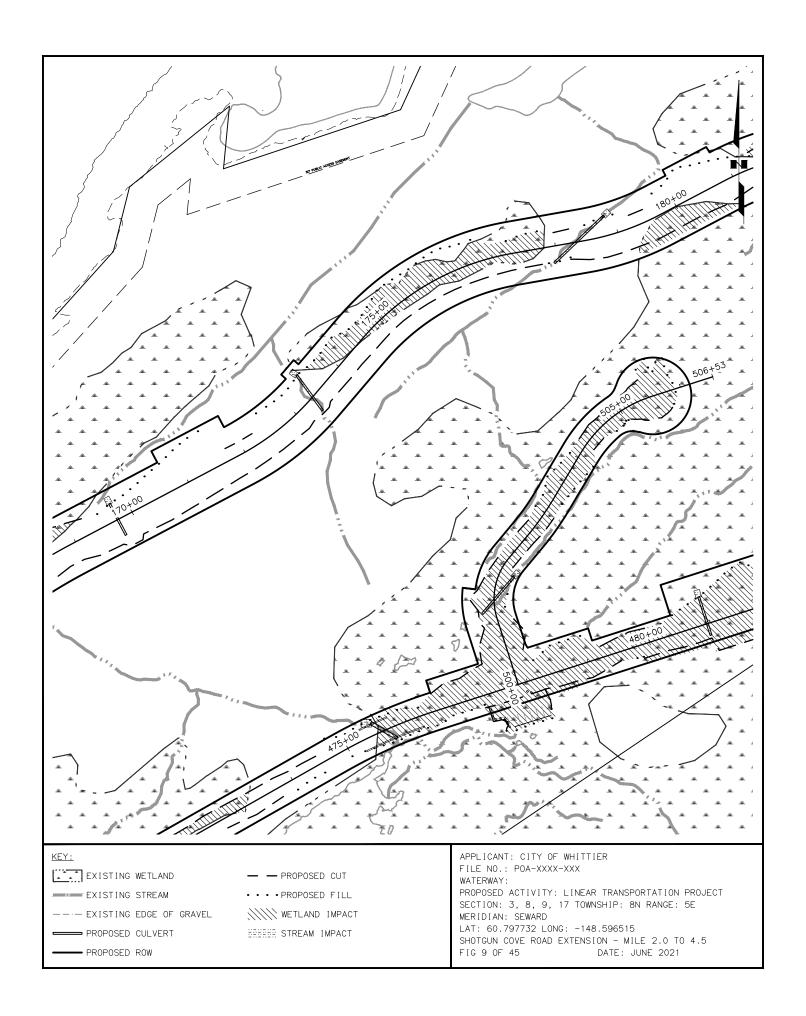
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

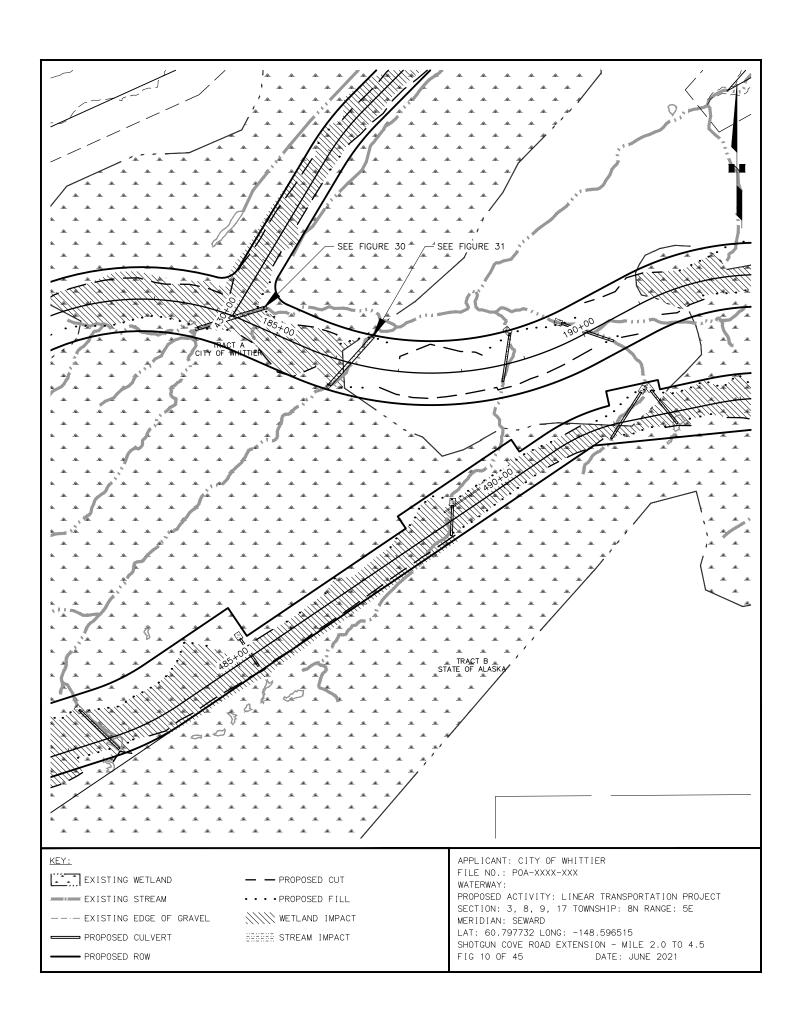
MERIDIAN: SEWARD

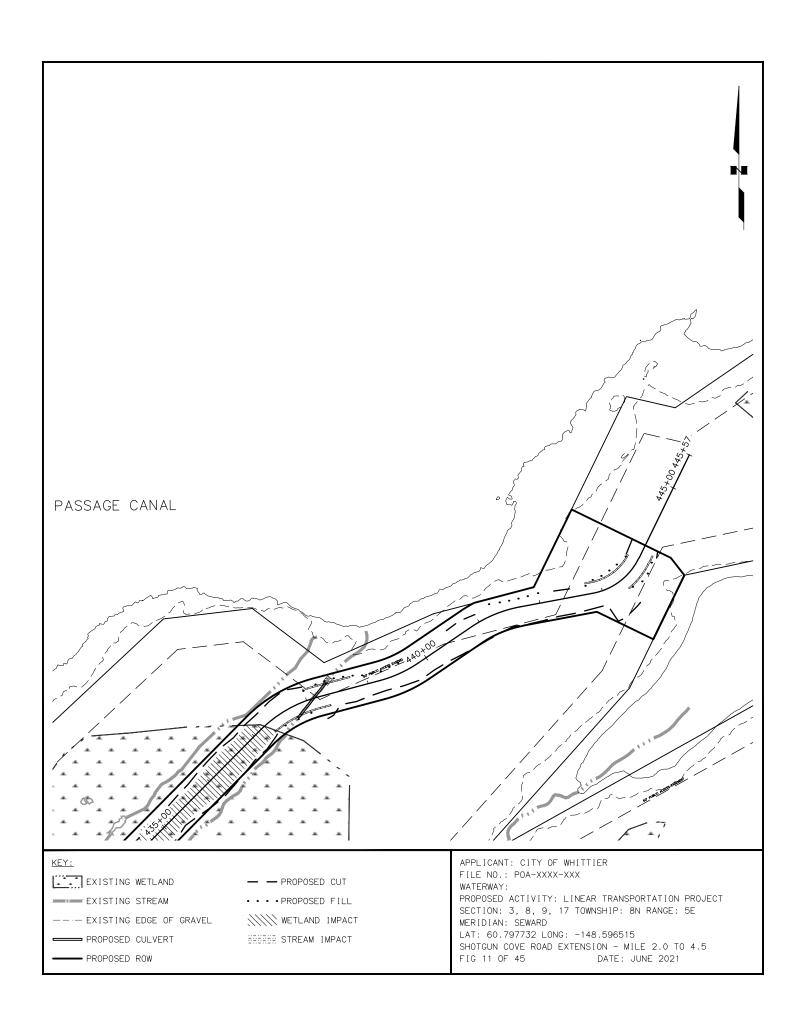
LAT: 60.797732 LONG: -148.596515

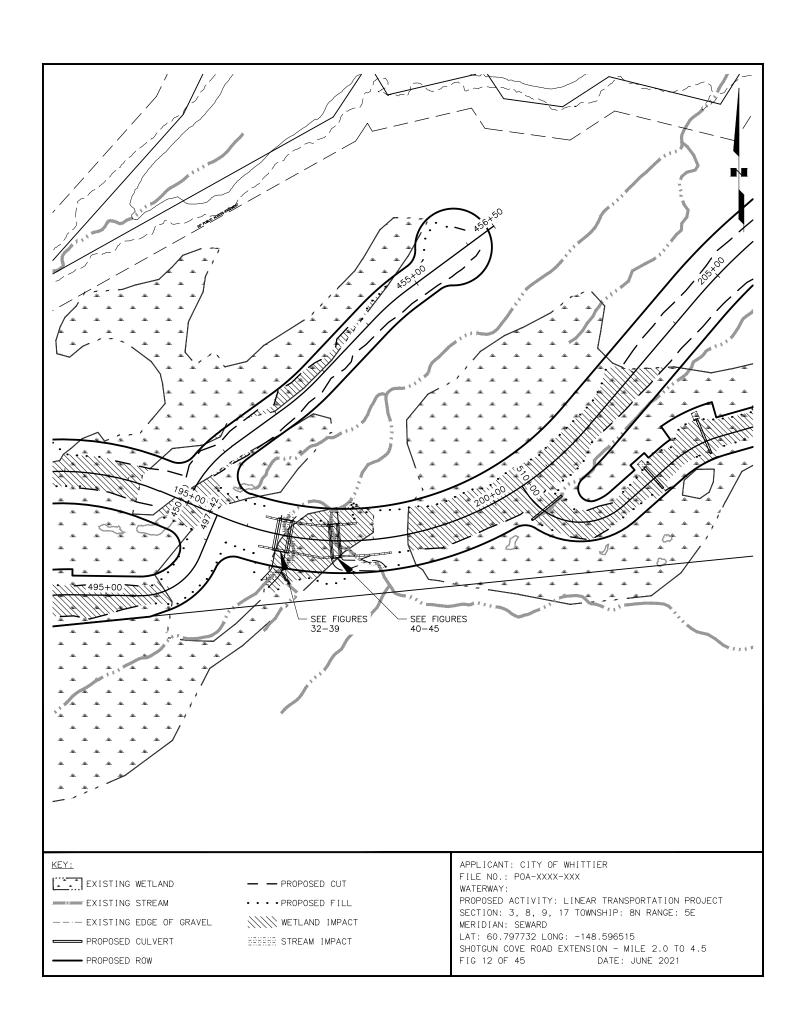
SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 7 OF 45 DATE: JUNE 2021

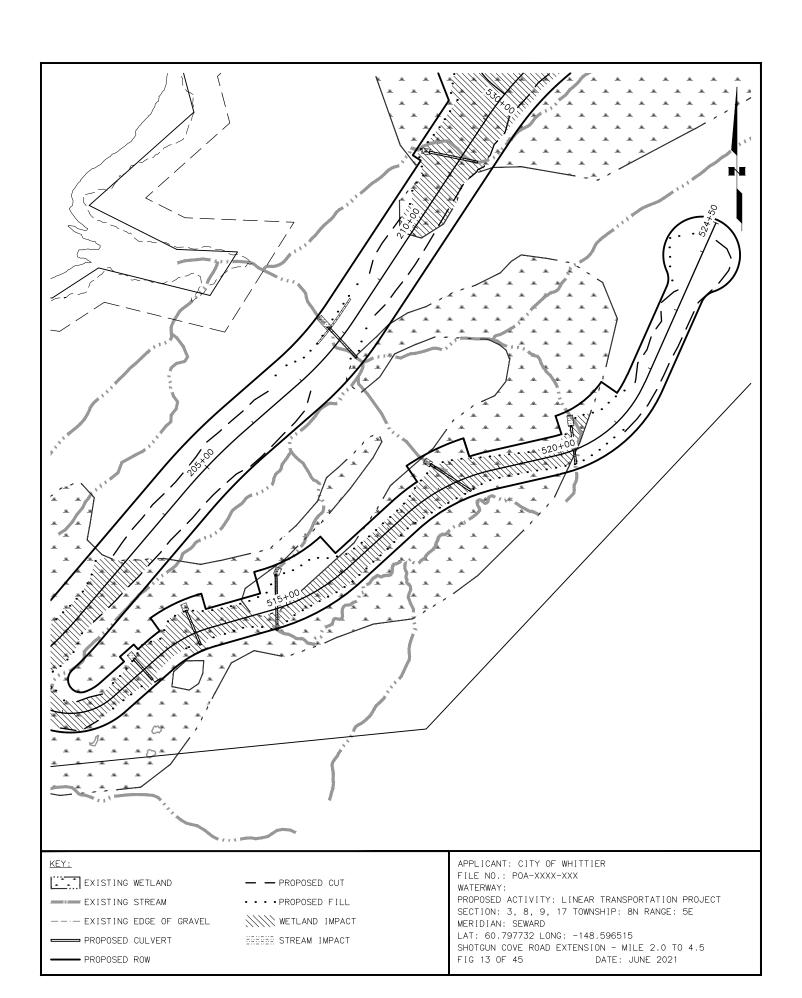


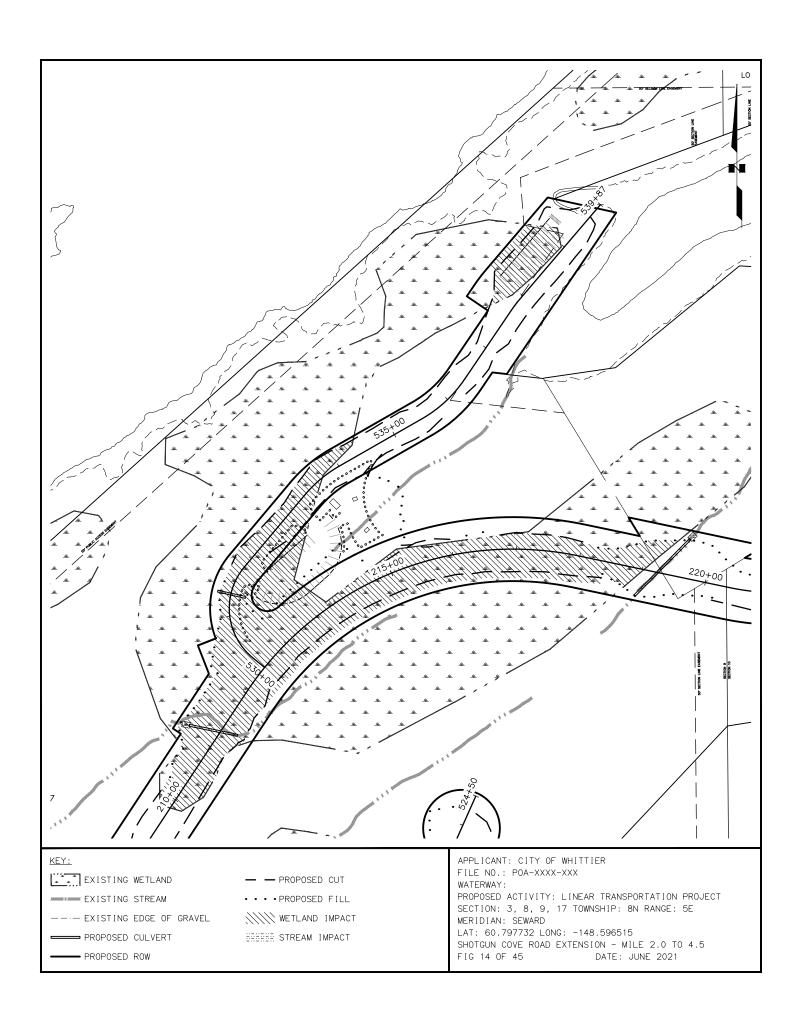


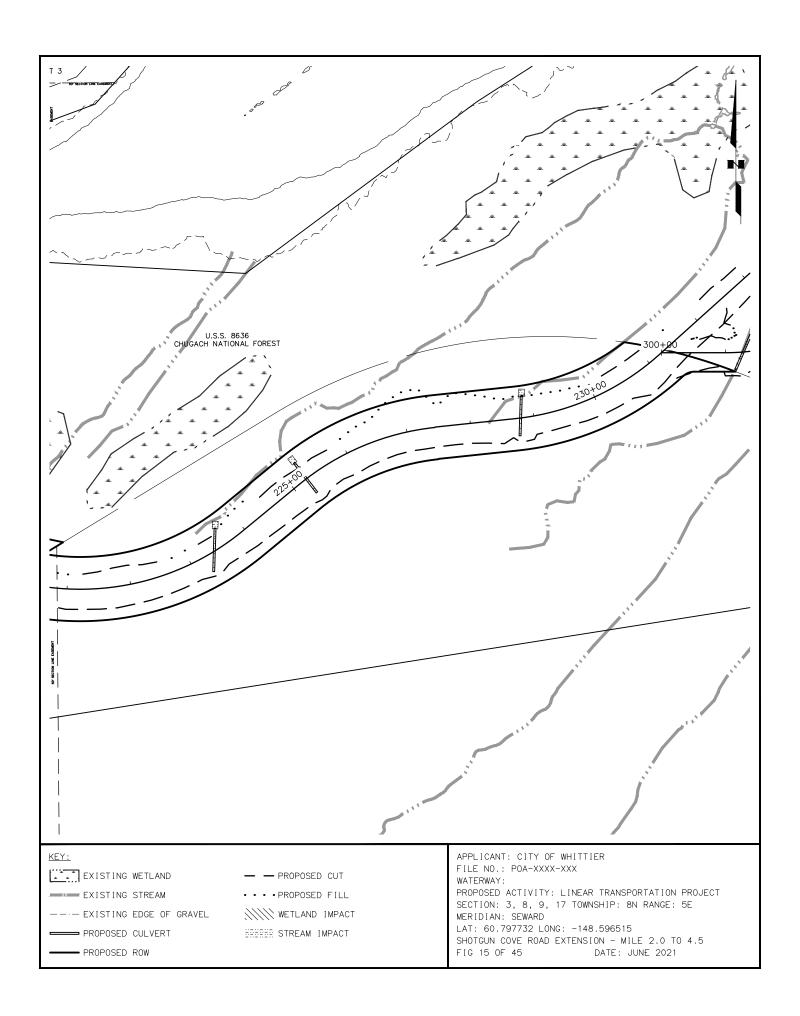


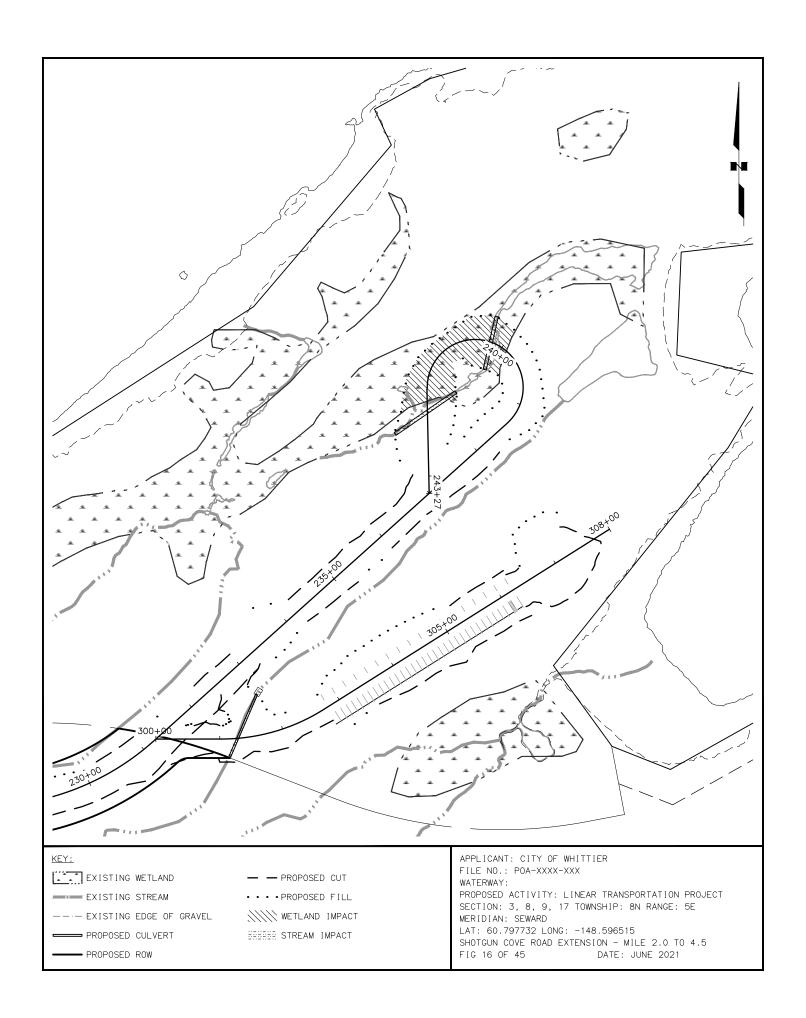


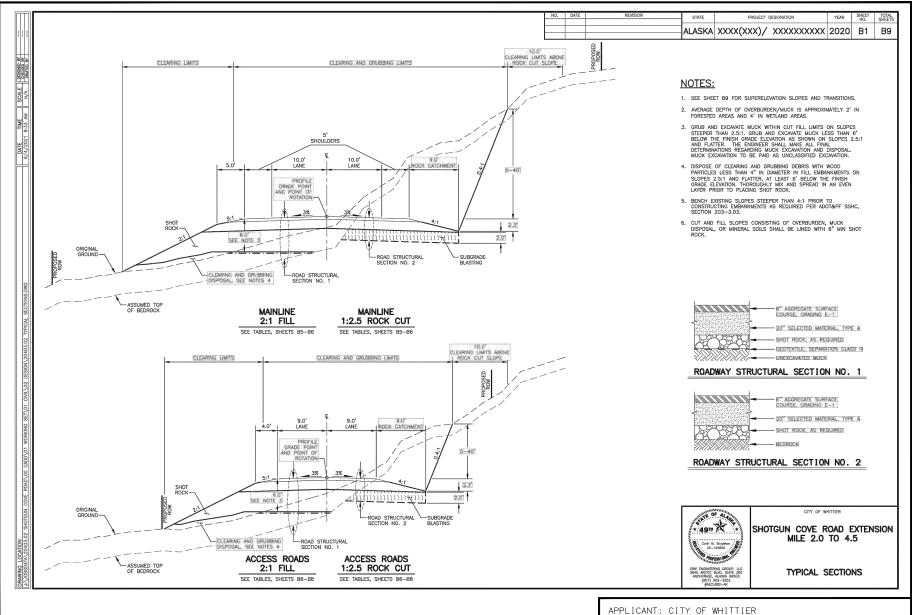












WATERWAY:

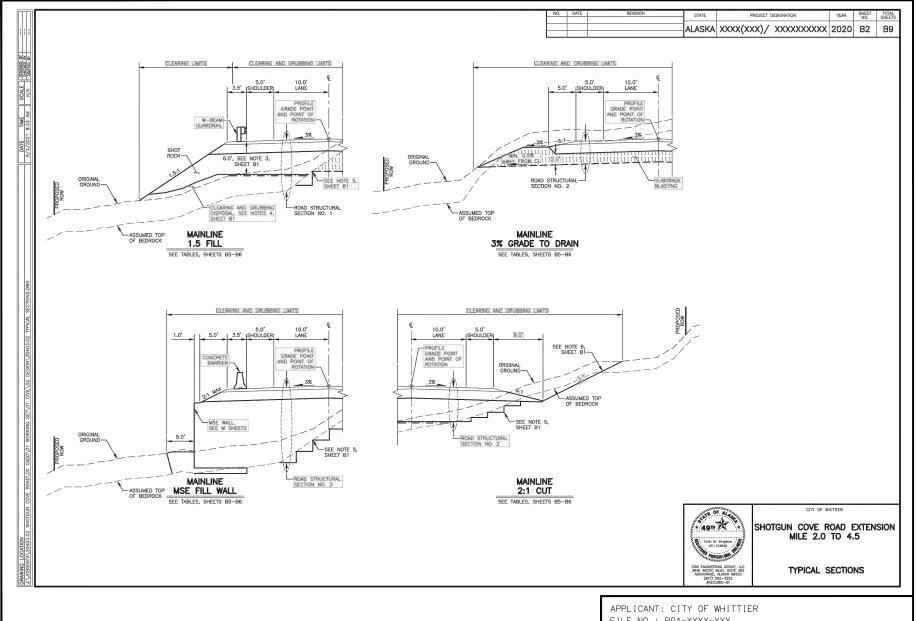
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 17 OF 45 DATE: JUNE 2021



WATERWAY:

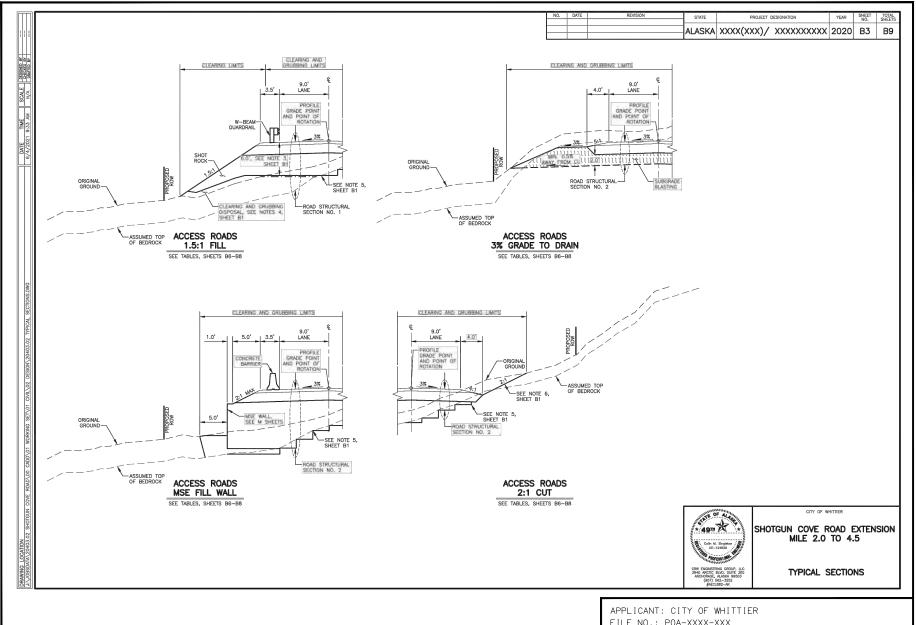
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 18 OF 45 DATE: JUNE 2021



WATERWAY:

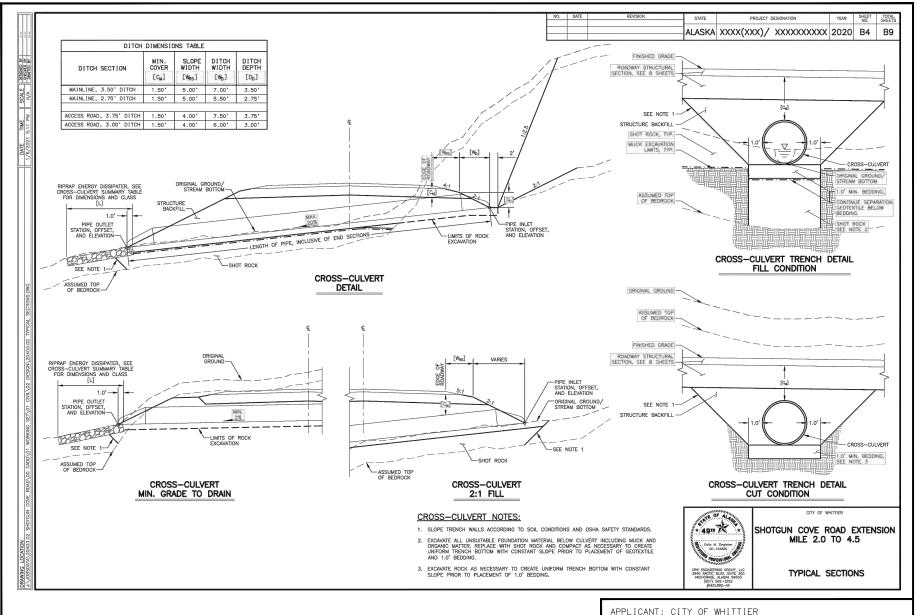
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 19 OF 45 DATE: JUNE 2021



APPLICANT: CITY OF WHITTIER FILE NO.: POA-XXXX-XXX

WATERWAY:

PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 20 OF 45 DATE: JUNE 2021

ı									I PI CAL	SEC	I I UN S	OUMMAI	RY - N		NE			
١,					LE	FT							RIGHT			_		
	START STATION	END STATION	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.50' DITCH	2:1 CUT, 2.75' DITCH	0.4:1 CUT	0.4:1 CUT, 3.50' DITCH	0.4:1 CUT, 2.75' DITCH	REMARKS
П	97+00.0	98+00.0	Х						Х									
	98+00.0	99+75.0	Х						Х									
I [	99+75.0	100+37.0	Х												Х			
ΙL	100+37.0	100+85.0		Х											Х			
H	100+85.0	101+75.0			Х										Х			
l	101+75.0	102+35.0			Х				Х									
ŀ	102+35.0	103+00.0			Х							X						
H	103+00.0	103+45.0	Х									X						
ŀ	103+45.0	103+75.0	Х										Х					
ŀ	103+75.0	104+60.0	Х									X				_	-	
	104+60.0	106+60.0	X	_			_		Х			_	-			-	$\vdash$	
	106+60.0	110+15.0	X		_	_			<u> </u>	_		-	-		Х	-	$\vdash$	
۱ŀ	110+15.0	113+75.0	X						Х			L.,				-		
H	113+75.0	114+97.0 115+27.0	X	_	_	_	-	-	_		-	X	-	×		_	$\vdash$	
lŀ	115+27.0	115+40.0	×		_		_		х		_	-		^		-	$\vdash$	
╟	115+40.0	117+40.0	×	_	_				<u> </u>		_	-			х	-		
lŀ	117+40.0	122+50.0	X	_	_	-	_		×	_	<del>                                     </del>	<del>                                     </del>	-		^	<del>                                     </del>		
lŀ	122+50.0	123+18.0			X				X									
h	123+18.0	123+50.0		_	X	_			<u> </u>			_	×					
۱ŀ	123+50.0	123+58.0	х		<u> </u>							$\vdash$	X					
۱t	123+58.0	125+00.0	Х						х									
۱t	125+00.0	126+50.0	Х												Х			
lt	126+50.0	127+10.0			Х										Х			
	127+10.0	127+40.0			Х									Х				
	127+40.0	128+75.0			Х										Х			
	128+75.0	130+57.0		Х											Х			
L	130+57.0	130+87.0		Х												Х		
ŀ	130+87.0	131+13.0		X											Х	_		
ŀ	131+13.0	131+25.0		Х		_						<u> </u>	_			Х		
ŀ	131+25.0	131+43.0	X	_	_					_	_	-	-			Х	$\vdash$	
ŀ	131+43.0	132+25.0	Х	-	-	_						-	-		X	-		
-	132+25.0 132+37.0	132+37.0 132+67.0		<del></del>	X	<u> </u>	<u> </u>		$\vdash$	-	-	$\vdash$	-		Х	-	х	
H	132+37.0		-	-	_	-	-		-	-	-	-	-			+-	^	
H	133+42.0	133+42.0 133+72.0		_	X								_		Х	×	$\vdash$	
۱ ۱	133+72.0	134+41.0	_	$\vdash$	X	$\vdash$	<u> </u>					$\vdash$	$\vdash$		X	<del>L^</del>	$\vdash$	
۱ ۱	134+41.0	134+71.0			X								$\vdash$				х	
۱ ۱	134+71.0	135+90.0		<u> </u>	X	<del>                                     </del>			$\vdash$				$\vdash$		Х	t	"	
۱ ۱	135+90.0	136+00.0			X							$\vdash$	$\vdash$	Х		$\vdash$	$\vdash$	
۱t	136+00.0	136+40.0					×							X				
۱t	136+40.0	137+25.0					Х					Х					$\Box$	
۱t	137+25.0	138+00.0	Х									х						
۱٢	138+00.0	138+30.0	Х										Х					
	138+30.0	139+75.0	Х						Х									
	139+75.0	143+40.0	Х												Х			
[	143+40.0	143+70.0	Х													X		
ľ	143+70.0	144+50.0	Х												Х			
H	144+50.0	145+05.0			X						<u> </u>				Х		$\sqcup$	
ļ	145+05.0	145+35.0			Х								_			Х	$\sqcup$	
	145+35.0	146+90.0		_	Х	_	L		_			_	-		X	-	$\vdash$	
1.1	146+90.0	148+60.0			X		Х				_		<u> </u>		X		$\vdash$	

	_			AL ASKA	xxxx(xxx)/ xxxxxxxxxx	2020		В9
ı	NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS

							Т	YP I CAL	SEC1	TION S	SUMMAF	RY - N	AINLI	NE			
				LE	FT							RIGHT					
START STATION	END STATION	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.50' DITCH	2:1 CUT, 2.75' DITCH	0.4:1 CUT	0.4:1 CUT, 3.50' DITCH	0.4:1 CUT, 2.75' DITCH	REMARKS
151+00.0	151+96.0				Х									Х			
151+96.0	152+00.0				Х										Х		
152+00.0	152+16.0			Х											Х		
152+16.0	155+00.0			Х										Х			
155+00.0	155+32.0	Х												Х			
155+32.0	155+62.0	Х														Х	
155+62.0	156+32.0	Х									Х						
156+32.0	156+62.0	Х											Х				
156+62.0	157+00.0	Х									Х						
157+00.0	157+17.0	Х												Х			
157+17.0	157+47.0	Х														Х	
157+47.0	162+16.0	Х												Х			
162+16.0	162+46.0	Х													Х		
162+46.0	162+75.0	Х												Х			
162+75.0	165+50.0					Х								X			
165+50.0	166+55.0				Х									Х			
166+55.0	167+50.0				Х					Х							
167+50.0	167+55.0						Х			Х							
167+55.0	168+25.0						Х							Х			
168+25.0	169+25.0					Х								Х			
169+25.0	169+65.0			Х										X			
169+65.0	169+95.0			Х											Х		
169+95.0	173+12.0			Х										Х			
173+12.0	173+42.0			Х												Х	
173+42.0	177+85.0			Х										X			
177+85.0	178+20.0			Х				Х									
178+20.0	181+35.0			Х										Х			
181+35.0	181+50.0						X							X			
181+50.0	183+15.0						X	Х									
183+15.0	183+50.0					X		Х									
183+50.0	184+25.0						Х	X									
184+25.0	185+75.0	X						Х	L				$\vdash$				
185+75.0	185+90.0	Х	_						X				$\vdash$				
185+90.0	186+50.0	-	_	X		_	-	$\vdash$	х		-	-	$\vdash$	.,		-	
186+50.0	187+00.0	<u> </u>	L	Х		<u> </u>	<u> </u>	$\vdash$	<u> </u>		-		$\vdash$	X			
187+00.0	188+35.0	$\vdash$	Х	V		-	_		_	_	_	_	$\vdash$	X			
188+35.0 188+49.0	188+49.0	$\vdash$	_	X		-	_		_	_	_		$\vdash$	Х		-	
188+49.0	188+79.0	<u> </u>		X		_		$\vdash$	_	_	_	_	$\vdash$	X		Х	
190+00.0	190+00.0		-	^		X	-	$\vdash$	-	-	-	-		X			
190+00.0	190+30.0	-	_			X	_	X	_	_	-		$\vdash$				
190+30.0	191+00.0	$\vdash$	$\vdash$	-		X	$\vdash$	<u> </u>	$\vdash$	-	<del></del>	×	$\vdash$		-		
191+00.0	191+00.0	-	-			X	-	$\vdash$	-	<u> </u>	×	<u> </u>	$\vdash$				
191+75.0	191+75.0	X	$\vdash$			<del>  ^</del>	$\vdash$	$\vdash$	$\vdash$	_	×						
1814/5.0	152-00.0										_ ^				l		



CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

TYPICAL SECTIONS

APPLICANT: CITY OF WHITTIER FILE NO.: POA-XXXX-XXX

WATERWAY:

PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 21 OF 45 DATE: JUNE 2021

				15	FT						- January	RIGHT					
	-		_			_		-									
START STATION	END STATION	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.50' DITCH	2:1 CUT, 2.75' DITCH	0.4:1 CUT	0.4:1 CUT, 3.50' DITCH	0.4:1 CUT, 2.75' DITCH	REMARKS
192+00.0	193+25.0	Х						х									
193+25.0	193+50.0	Х									Х						
193+50.0	194+75.0					Х					Х						
194+75.0	195+00.0					Х		Х									
195+00.0	196+25.0	Х						х									
196+25.0	197+75.0				х					Х							
197+75.0	198+25.0	Х								Х							
198+25.0	200+90.0	Х									х	<del>                                     </del>					
200+90.0	201+75.0	X							х								
201+75.0	207+60.0	Х						x				1					
207+60.0	208+50.0				x			X				1					
208+50.0	209+00.0			×	<u> </u>			<del></del>			_	_		x			
209+00.0	210+25.0	х										_		X			
210+25.0	211+00.0			x								<del>                                     </del>		X			
211+00.0	211+28.0			X							×	<del>                                     </del>					
211+28.0	211+58.0			X								_	x				
211+58.0	212+00.0			X				$\vdash$			х	_	<u> </u>				
212+00.0	218+40.0			X	_			$\vdash$			<u> </u>	_		Х			
218+40.0	220+15.0			X	<del>                                     </del>	_		<del>                                     </del>	х		_	<del>                                     </del>					
220+15.0	220+50.0			X	<del>                                     </del>	_		-	_^		-	+	$\vdash$	х		_	
220+50.0	223+05.0	Х			<del></del>	_		$\vdash$			_	-		X			
223+05.0	223+35.0	X			-	_		$\vdash$		_		_			X		
223+35.0	225+00.0	X			_			<del>                                     </del>			-	<del>                                     </del>		Х	<u> </u>		
225+00.0	225+05.0	^		х	<del>                                     </del>	_		$\vdash$			<del>                                     </del>	<del>                                     </del>		X		$\vdash$	
225+05.0	225+35.0			X	_			_		_	_	_	$\vdash$		X	_	
225+35.0	228+50.0			X	<u> </u>	_		<del>                                     </del>			_	<del>                                     </del>		х	<u> </u>		
228+50.0	228+65.0	Х			_	-		_		_	-	<del>                                     </del>		X			
228+65.0	228+95.0	X			-	_		$\vdash$			-	-		^	×		
228+95.0	230+00.0	X						_			_	<del>                                     </del>		х	<u> </u>		
230+00.0	230+50.0	^			_	x		<del>                                     </del>			-	-		X			
230+50.0	231+00.0				_	X		×		_	_	-		^			
231+00.0	231+00.5	Х				<u> </u>		x				_	$\vdash$			_	
231+00.0	233+18.2	×			<del>                                     </del>			<del>  ^</del>		<u> </u>	$\vdash$	<u> </u>		<u> </u>			MATCH ROAD RT
233+18.2	236+70.2	×			<del>                                     </del>	-		×		_	<del>                                     </del>	$\vdash$		_			
236+70.2	237+32.7							X									MATCH ROAD LT
237+32.7	237+59.0				<u> </u>			X			_		$\vdash$				ATOT NOAD LT
237+59.0	242+68.0	х			<u> </u>	<u> </u>		×	_	_	$\vdash$	-			-		BEGIN DIVIDER L
242+68.0	242+94.5	X			<del></del>	<u> </u>		X	_	_	$\vdash$	-			-		PESIN DIVIDER E
242+94.5	242+94.5	^	-	-	<del>                                     </del>	-		X	_	_	$\vdash$	-	$\vdash$		$\vdash$		END DIVIDER LT
242+94.5	242+97.4				-	-		X			-	+-	$\vdash$		-	<del></del>	BEGIN RETURN R
242197.4	240-14.3				<del>                                     </del>	-		<del>  ^</del>		_	$\vdash$	$\vdash$			-		
243+14.3	243+27.2							x									MATCH ROAD LT END RETURN RT

1	NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
l				AI ASKA	xxxx(xxx)/ xxxxxxxxxx	2020	В6	В9
				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	MANAGAMAN AMAGAMAN	2020		00

						TYP	ICAL S	SECTIO	N SUN	MARY	- TRI	NITY	POINT	ADD I	TION		
				LE	FT							RIGHT					
START STATION	END STATION	2:1 FILL	3% F1LL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.50' DITCH	2:1 CUT, 2.75' DITCH	0.4:1 CUT	0.4:1 CUT, 3.50' DITCH	0.4:1 CUT, 2.75' DITCH	REMARKS
300+00.0	300+24.2							×									MATCH ROAD LT BEGIN RETURN RT
300+24.2	300+47.0							Х									END RETURN RT
300+47.0	300+95.0	Х						Х									BEGIN DIVIDER LT
300+95.0	301+18.0	Х										Х					
301+18.0	301+25.0											Х					END DIVIDER LT
301+25.0	301+40.4							Х									
301+40.4	302+13.0																MATCH ROAD LT
302+13.0	302+75.0	Х						Х									
302+75.0	306+25.0	x									x						PAR. PARKING LT PER. PARKING RT
306+25.0	307+50.0	Х									Х						TURNAROUND

						T	YP I CAL	SECT	TION S	SUMMAF	Y - 1	02+50	ACCE	SS RO	AD		
				LE	FT							RIGHT					
START STATION	END STATION	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.75' DITCH	2:1 CUT, 3.00' DITCH	0.4:1 CUT	0.4:1 CUT, 3.75' DITCH	REMARKS
400+15.0	402+25.0					Х						Х					
402+25.0	404+10.0	Х						Х									
404+10.0	404+25.0	Х													Х		
404+25.0	405+75.0					Х									Х		
405+75.0	406+00.0			Х											Х		
406+00.0	406+32.0			Х								Х					
406+32.0	406+62.0			Х										Х			
406+62.0	406+75.0			Х								Х					
406+75.0	408+00.0					Х									Х		
408+00.0	410+25.0					Х						Х					
410+25.0	411+41.5					Х									Х		

						TY	PICAL	SECT	TION S	UMMAF	Y - 1	44+40	ACCE	SS RO	AD		
				LE	FT							RIGHT					
START STATION	END STATION	2:1 FILL	3% F1LL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.75' DITCH	2:1 CUT, 3.00' DITCH	0.4:1 CUT	0.4:1 CUT, 3.75' DITCH	REMARKS
420+15.0	423+31.0	Х						Х									



CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

TYPICAL SECTIONS

APPLICANT: CITY OF WHITTIER FILE NO.: POA-XXXX-XXX

WATERWAY:

PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 22 OF 45 DATE: JUNE 2021

111																		
>>>							Т	YPICAL	_ SEC	TION S	SUMMAF	₹Y - 1	84+25	ACCE	SS RO	AD		
CHECKED BY DRAFTED BY					LE	FT							RIGHT					
825		T				 T			_	l .	Ε.		I		I			
SCALE I	START STATION	END STATION	2:1 FILL	3% FILL	.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	3% FILL	.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, .75' DITCH	2:1 CUT, 3.00' DITCH	0.4:1 CUT	0.4:1 CUT, 3.75' DITCH	REMARKS
M					-	-		<u> </u>			-			m	m		OW	
DATE TIME 1/6/2021 5:11 PM	430+15.0	430+24.0	Х			_			X									
100	430+24.0	432+75.0						X	X									
021	432+75.0	433+25.0	Х						X									
S/2	433+25.0	435+00.0	Х							Х								
	435+00.0	437+30.0					X			Х								
H	437+30.0	438+00.0					Х					Х						
	438+00.0	438+35.0				Х						Х						
	438+35.0	438÷75.0				Х							Х					
	438+75.0	439+25.0			Х								Х					
	439+25.0	442+75.0			Х											Х		
	442+75.0	443+25.0				X										Х		
	443+25.0	443+75.0				Х						Х						
	443+75.0	443+90.0					Х					Х						
	443+90.0	444+00.0					X									Х		
							Т	YPICA	_ SEC	TION S	SUMMAF	₹Y - 1	90+50	ACCE	SS RO	AD		
					LE	FT							RIGHT					
SECTIONS.DWG	START STATION	END STATION	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.75' DITCH	2:1 CUT, 3.00' DITCH	0.4:1 CUT	0.4:1 CUT, 3.75' DITCH	REMARKS
l is	450+00.0	450+60.0	$\vdash$			$\vdash$	X	$\vdash$	×				$\vdash$	··/	<del></del>		1.7	

Х

х

Х Х Х

Х

450+00.0 450+60.0 450+60.0 451+00.0 451+00.0 451+80.0

452+05.0 453+10.0 453+10.0 453+40.0 453+40.0 453+75.0

453+75.0 456+00.0

451+80.0 452+05.0 X

х

DPAWING LOCATION LEVENSIATA 23443.42 SHOTGUN COVE ROJUNO CADONOT WORKING SETNOT COVILING DESIGNAZARAS.

						T	/PICAL	SECT	TION S	SUMMAF	RY - 1	95+50	ACCE	SS RO	AD		
				LE	FT							RIGHT					
START STATION	END STATION	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.75' DITCH	2:1 CUT, 3.00' DITCH	0.4:1 CUT	0.4:1 CUT, 3.75' DITCH	REMARKS
456+50.0	456+75.0	Х													Х		
456+75.0	457+75.0		Х												Х		
457+75.0	460+00.0	Х													Х		
460+00.0	462+75.0	Х													Х		
462+75.0	467+50.0			Х											Х		
467+50.0	469+00.0			Х				Х									
469+00.0	474+75.0	Х						Х									
474+75.0	475+25.0				Х			Х									
475+25.0	475+75.0				Х						Х						
475+75.0	476+25.0	Х									Х						
476+25.0	477+25.0	Х						Х									
477+25.0	478+75.0	Х													Х		
478+75.0	479+85.0	Х										Х					
479+85.0	480+95.0	Х														X	
480+95.0	482+10.0	Х												Х			
482+10.0	482+61.0	Х						Χ									
482+61.0	482+91.0	Х											Х				
482+91.0	483+50.0	Х						Х									
483+50.0	485+05.0	Х													Х		
485+05.0	485+40.0	Х														X	
485+40.0	488+30.0	Х													Х		
488+30.0	488+94.0	Х														X	
488+94.0	489+00.0	Х						Х									
489+00.0	490+25.0				Х			Х									
490+25.0	492+76.0			Х				Х									
492+76.0	492+80.0			Х										Х			
492+80.0	493+16.0	Х												Х			
493+16.0	497+26.8	Х						Х									

PROJECT DESIGNATION ALASKA XXXX(XXX)/ XXXXXXXXXX 2020 B7 B9

						TYP	ICAL S	SECTIO	ON SUM	MARY	- 195	+50 9	SUB AC	CESS	ROAD		
				LE	FT							RIGHT					
START STATION	END STATION	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.75' DITCH	2:1 CUT, 3.00' DITCH	0.4:1 CUT	0.4:1 CUT, 3.75' DITCH	REMARKS
500+09.0	501+10.0	Х						Х									
501+10.0	501+25.0							Х									
501+25.0	501+40.0									Х							
501+40.0	501+75.0	Х								Х							
501+75.0	503+25.0	Х						Х									
503+25.0	504+00.0	Х								Х							
504+00.0	505+83.0	X						Х									

CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

TYPICAL SECTIONS

APPLICANT: CITY OF WHITTIER FILE NO.: POA-XXXX-XXX

WATERWAY:

PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 23 OF 45 DATE: JUNE 2021

						Т	YPICAL	SECT	ION S	SUMMAF	RY - 2	200+50	ACCE	SS RO	AD		
				LE	FT							RIGHT					
START STATION	END STATION	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.75' DITCH	2:1 CUT, 3.00' DITCH	0.4:1 CUT	0.4:1 CUT, 3.75' DITCH	REMARKS
510+15.0	512+30.0	Х						Х									
512+30.0	512+60.0	Х											Х				
512+60.0	513+30.0	Х						Х									
513+30.0	513+60.0	Х											Х				
513+60.0	520+00.0	Х						Х									
520+00.0	521+00.0			Х				Х									
521+00.0	521+70.0	Х													X		
521+70.0	523+25.0		Х												X		
523+25.0	523+94.3	х													Х		

		TYPICAL SECTION SUMMARY - 212+65 ACCESS ROAD															
	LEFT						RIGHT										
START STATION 530+15.0 531+50.0 532+25.0 532+275.0 536+25.0 536+75.0 536+96.8 537+29.4	END STATION	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	0.4:1 CUT	2:1 FILL	3% FILL	1.5:1 FILL	MSE FILL	2:1 CUT	2:1 CUT, 3.75' DITCH	2:1 CUT, 3.00' DITCH	0.4:1 CUT	0.4:1 CUT, 3.75' DITCH	REMARKS
530+15.0	531+50.0	Х						Х									
531+50.0	532+25.0					Х		Х									
532+25.0	532+75.0					Х			Х								
532+75.0	536+25.0					Х		Х									
536+25.0	536+75.0					Х			X								
536+75.0	536+96.8					Х		Х									
536+96.8	537+29.4					Х		Х									
537+29.4	541+03.5					Х		Х									





CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

TYPICAL SECTIONS

APPLICANT: CITY OF WHITTIER FILE NO.: POA-XXXX-XXX

WATERWAY:

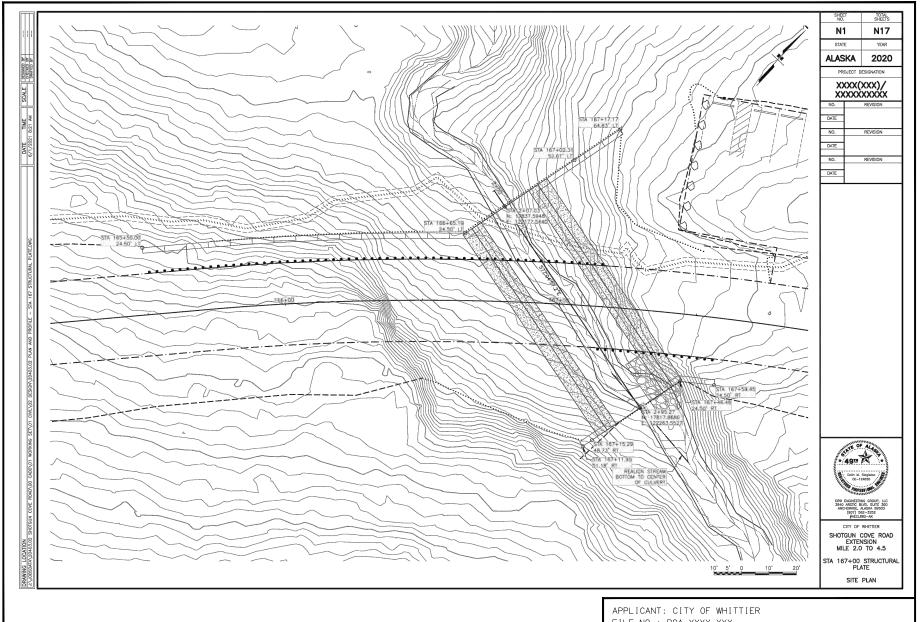
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 24 OF 45 DATE: JUNE 2021



WATERWAY:

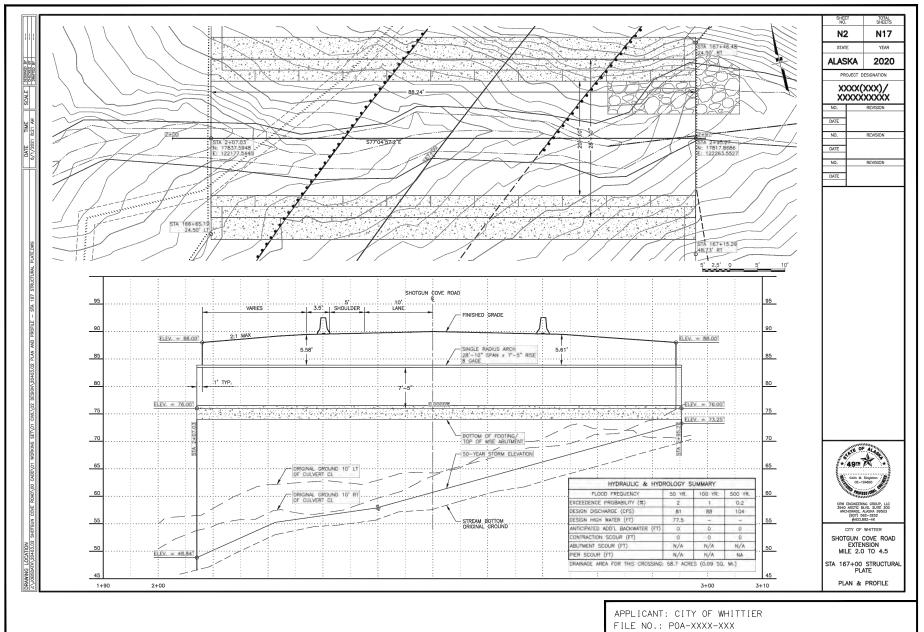
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 25 OF 45 DATE: JUNE 2021



WATERWAY:

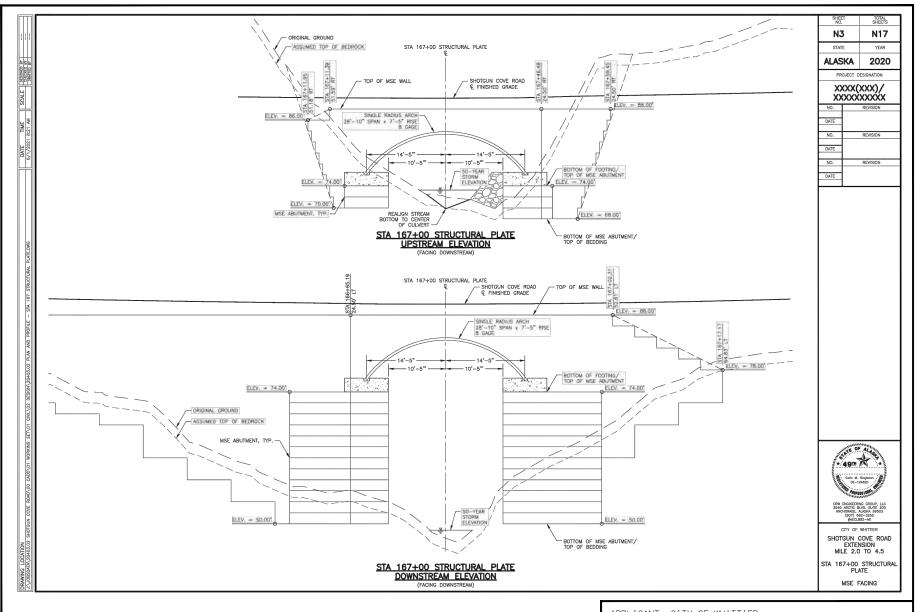
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 26 OF 45 DATE: JUNE 2021



APPLICANT: CITY OF WHITTIER FILE NO.: POA-XXXX-XXX

WATERWAY:

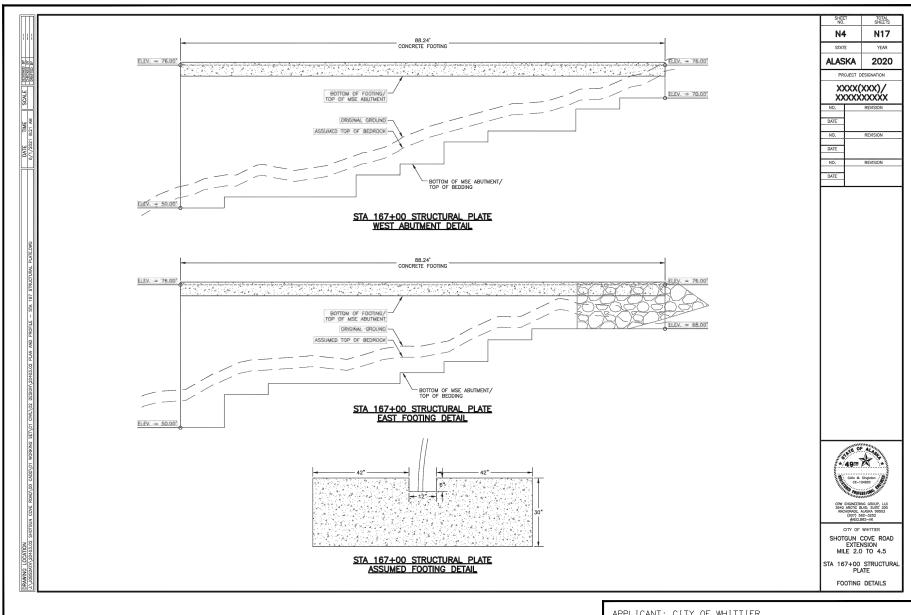
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 27 OF 45 DATE: JUNE 2021



APPLICANT: CITY OF WHITTIER FILE NO.: POA-XXXX-XXX

WATERWAY:

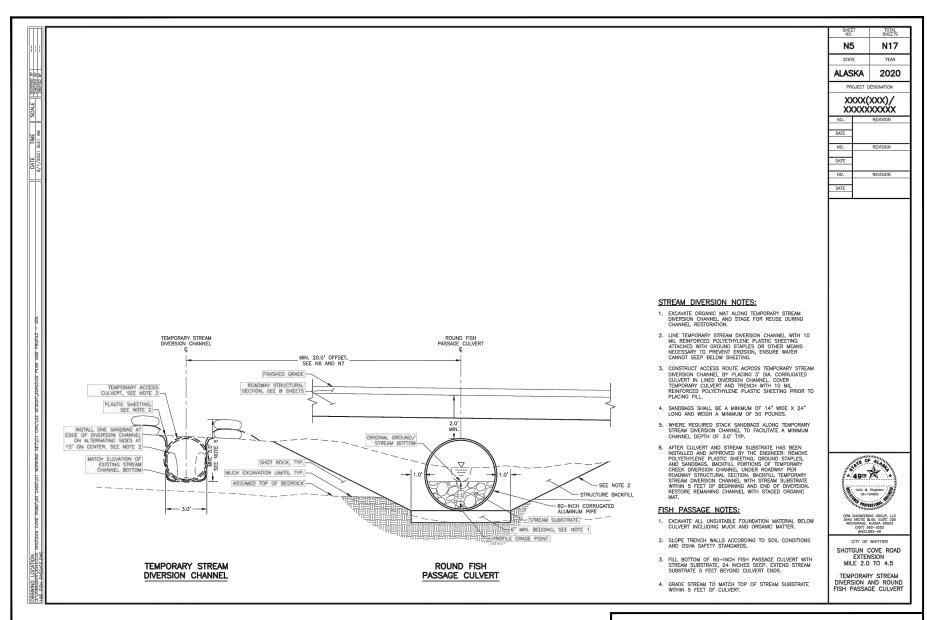
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 28 OF 45 DATE: JUNE 2021



APPLICANT: CITY OF WHITTIER FILE NO.: POA-XXXX-XXX

WATERWAY:

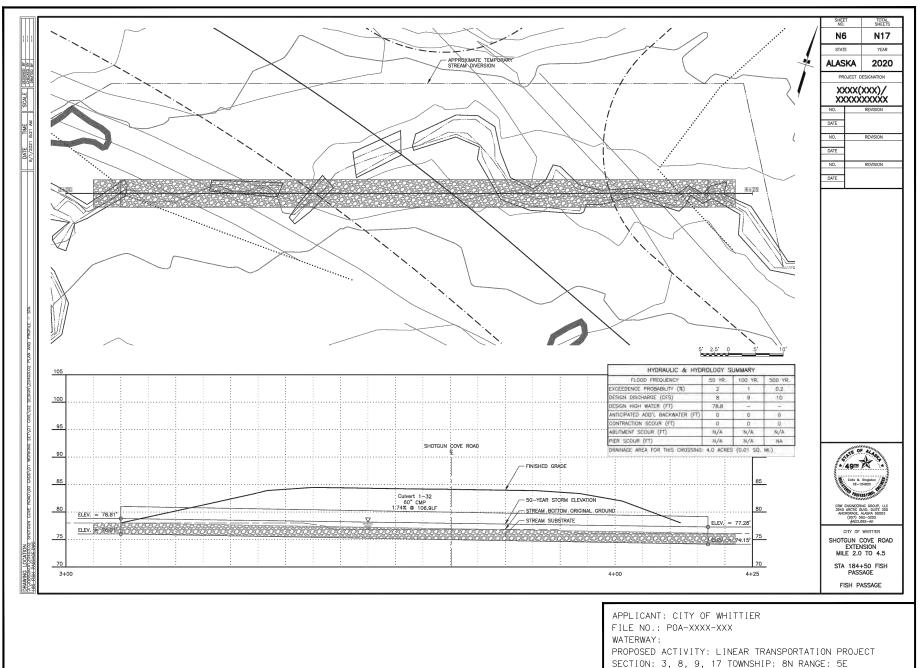
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

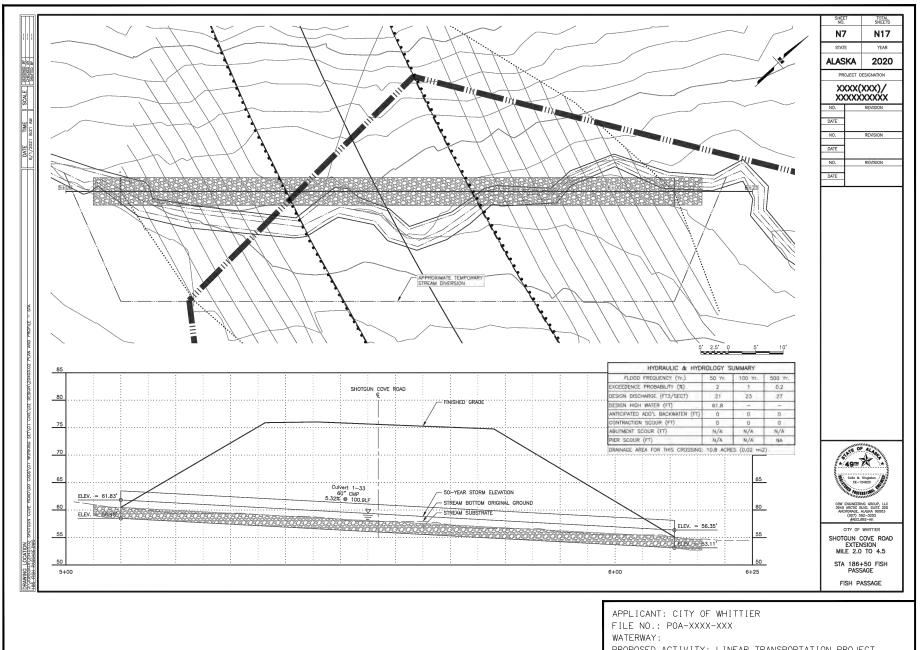
SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 29 OF 45 DATE: JUNE 2021



MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 DATE: JUNE 2021 FIG 30 OF 45



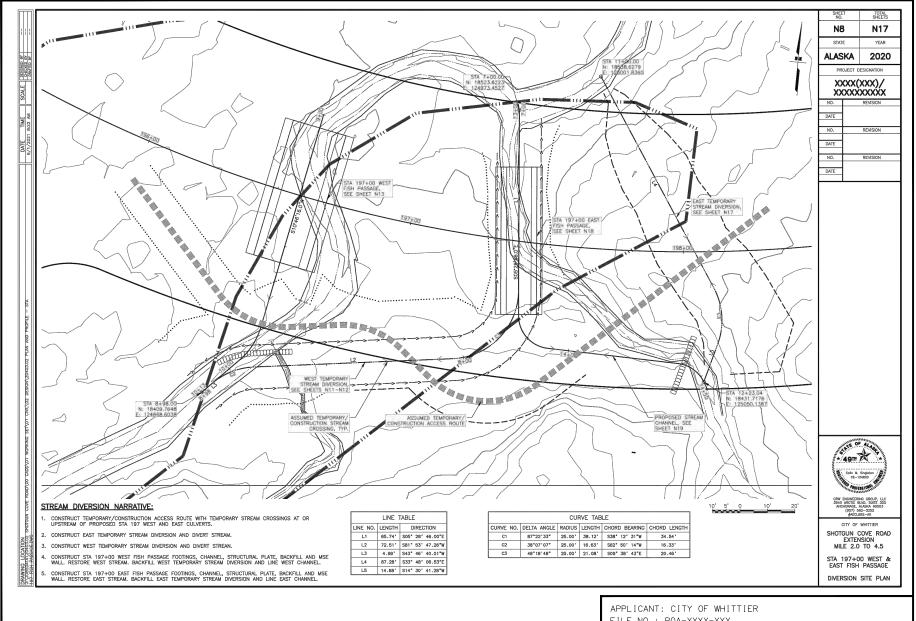
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 31 OF 45 DATE: JUNE 2021



FILE NO.: POA-XXXX-XXX

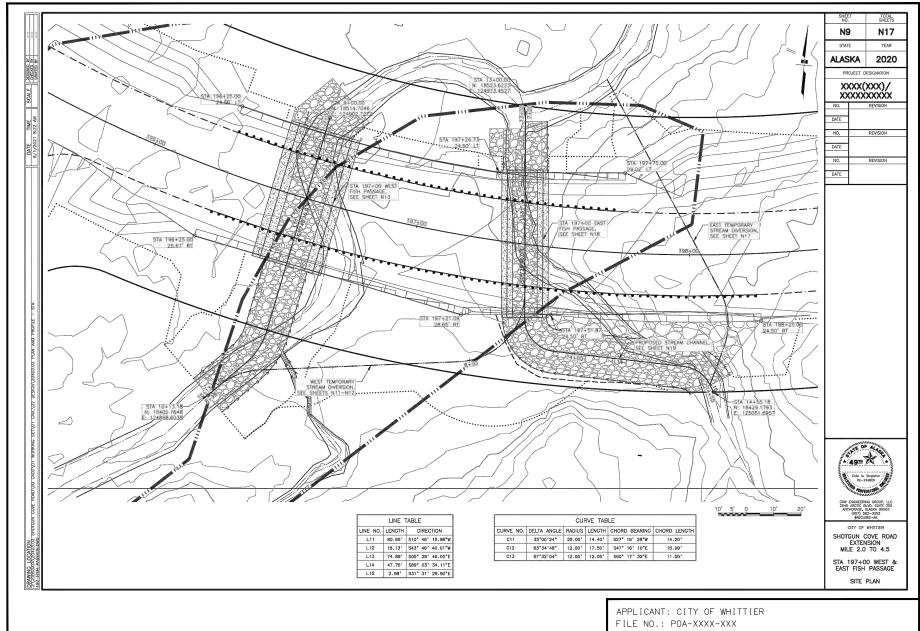
WATERWAY:

PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 32 OF 45 DATE: JUNE 2021



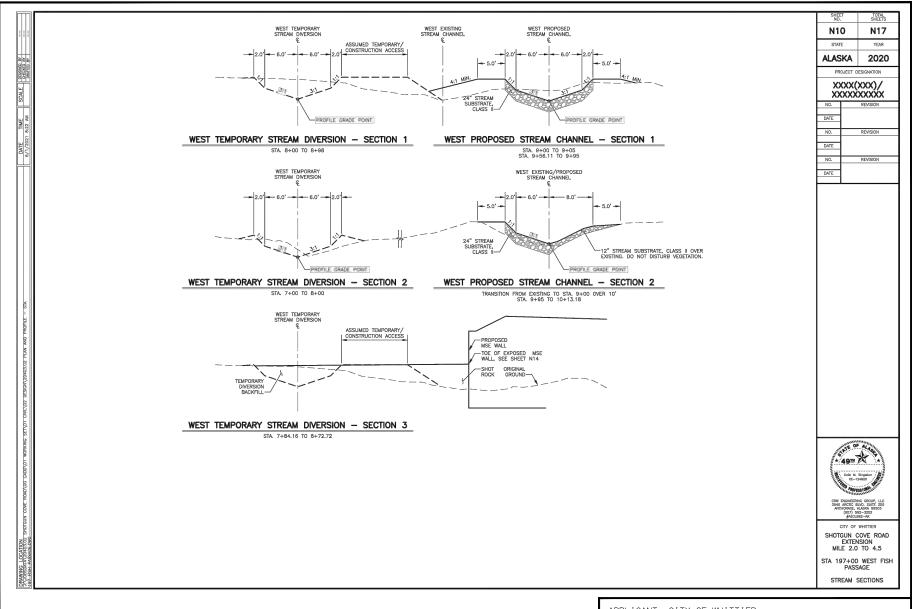
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 33 OF 45 DATE: JUNE 2021



WATERWAY:

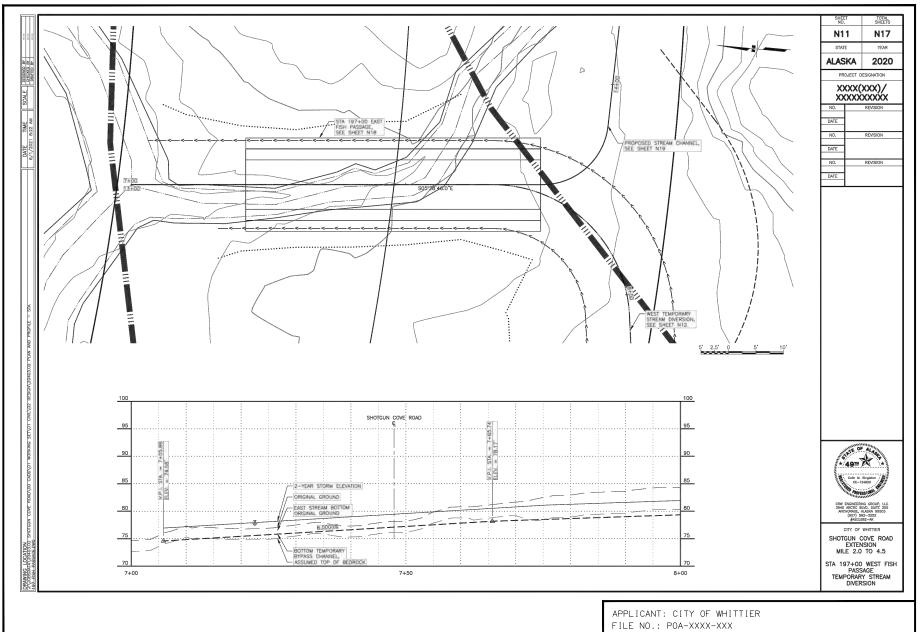
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 34 OF 45 DATE: JUNE 2021



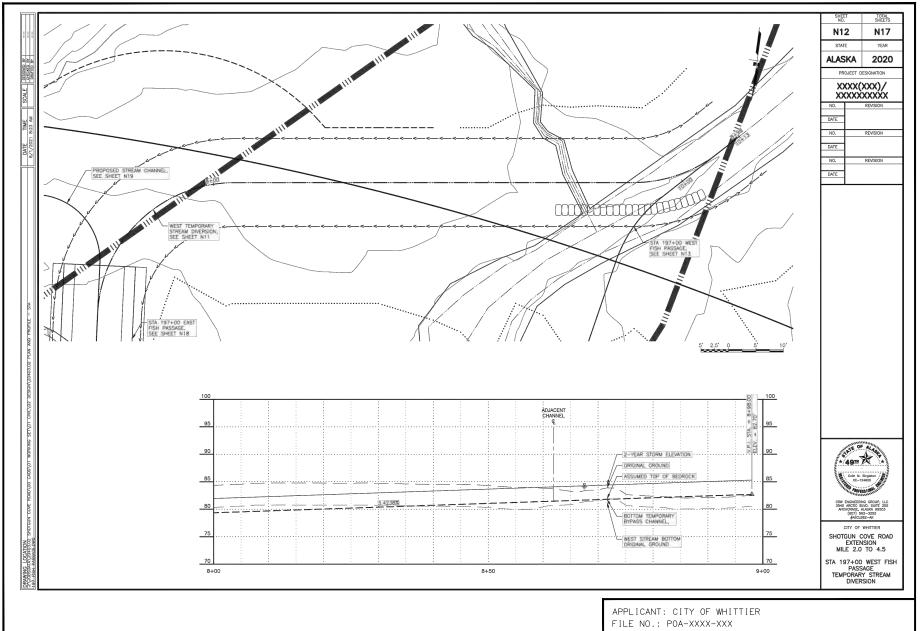
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 35 OF 45 DATE: JUNE 2021



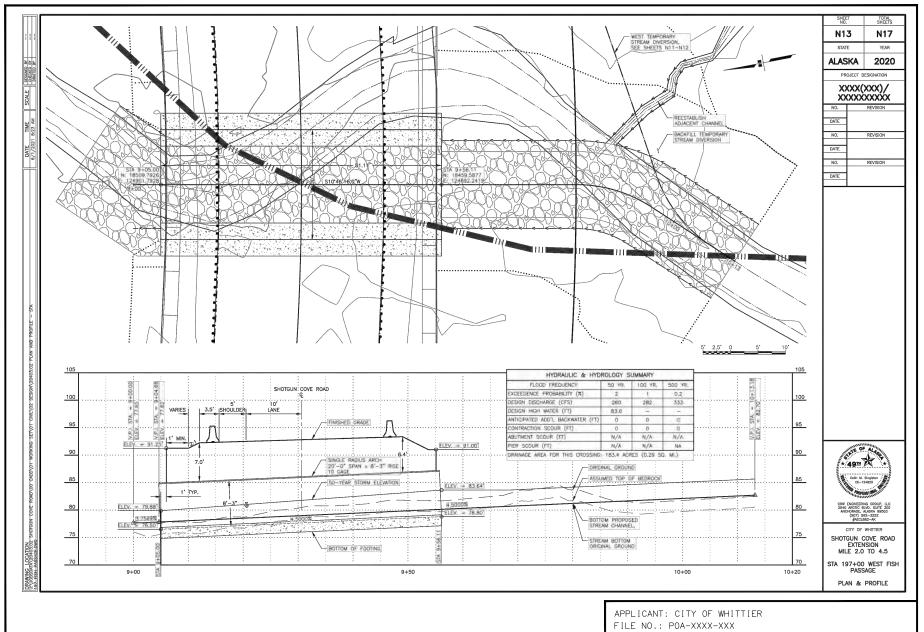
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 36 OF 45 DATE: JUNE 2021



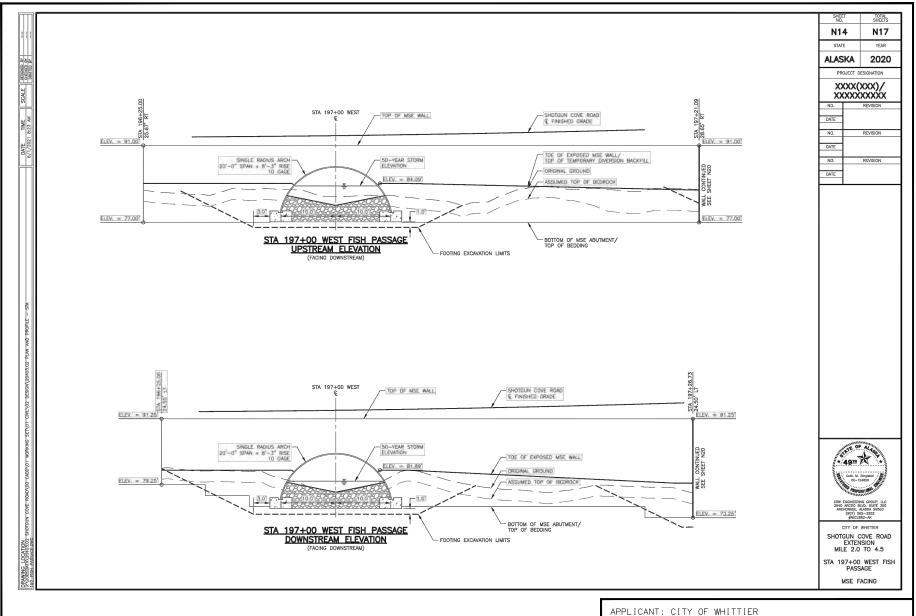
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 37 OF 45 DATE: JUNE 2021



WATERWAY:

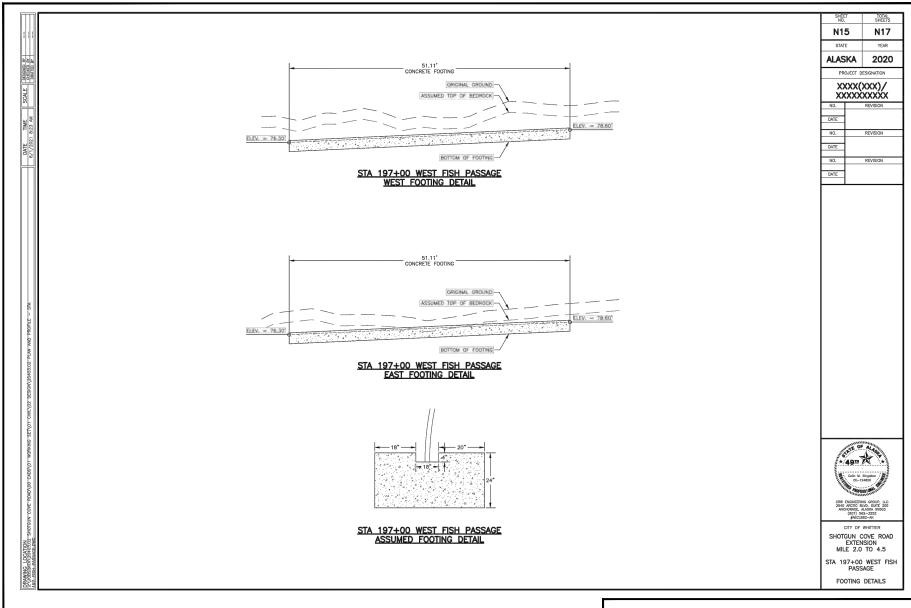
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 38 OF 45 DATE: JUNE 2021



WATERWAY:

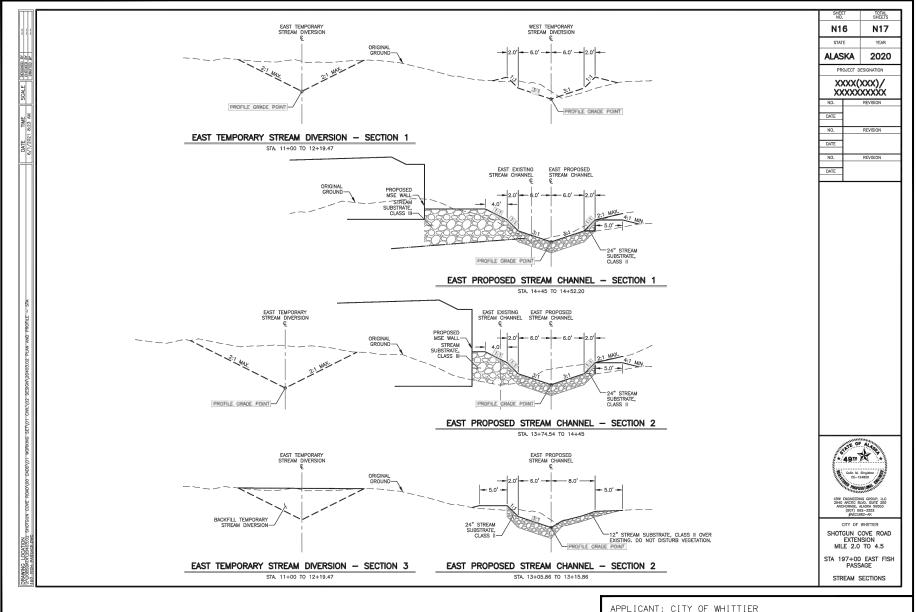
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 39 OF 45 DATE: JUNE 2021



WATERWAY:

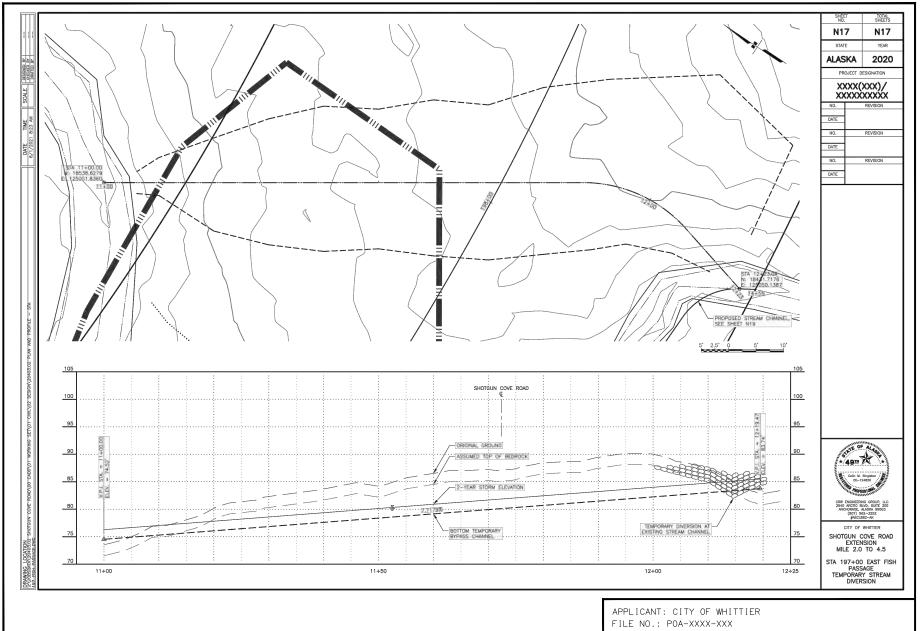
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 40 OF 45 DATE: JUNE 2021



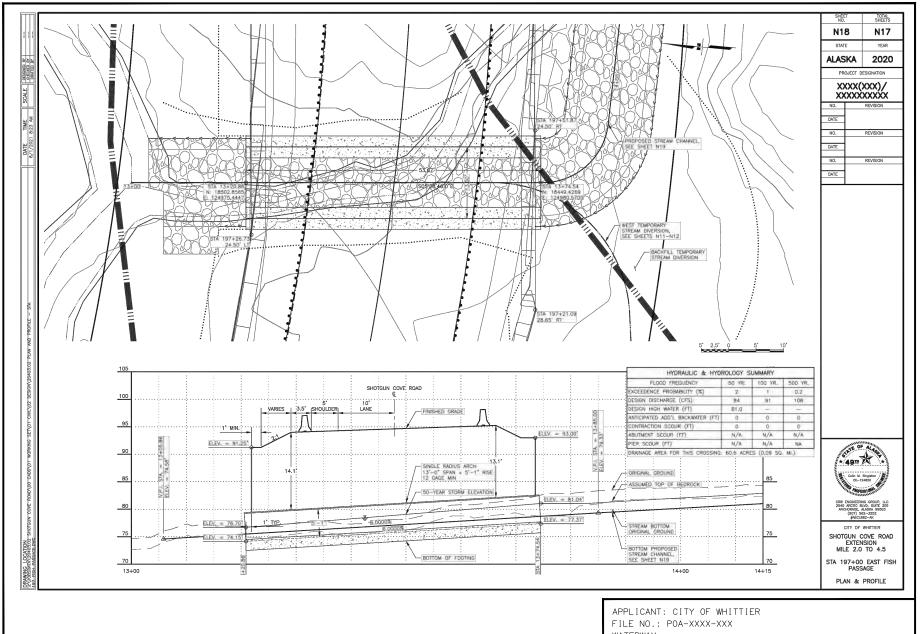
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 41 OF 45 DATE: JUNE 2021



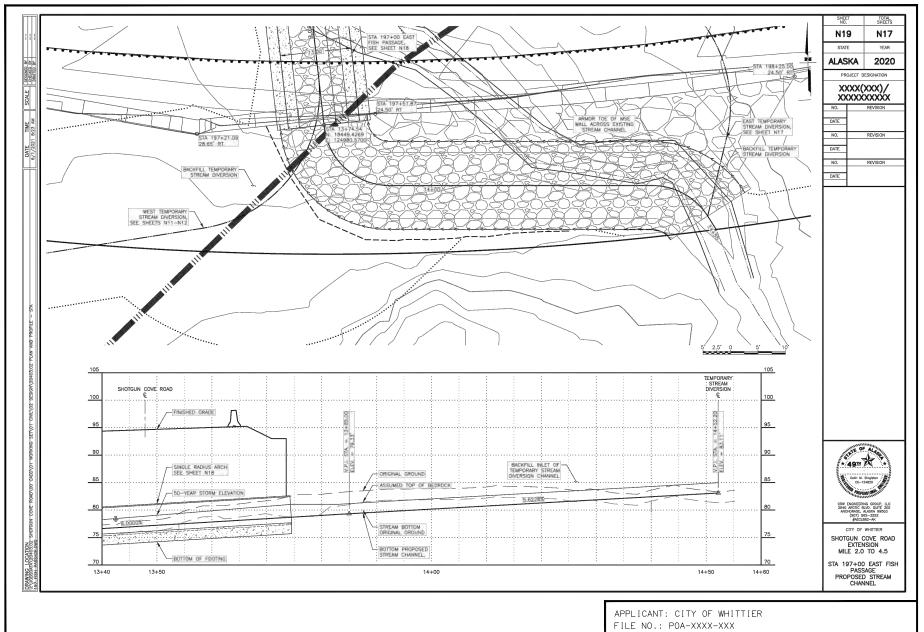
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 42 OF 45 DATE: JUNE 2021



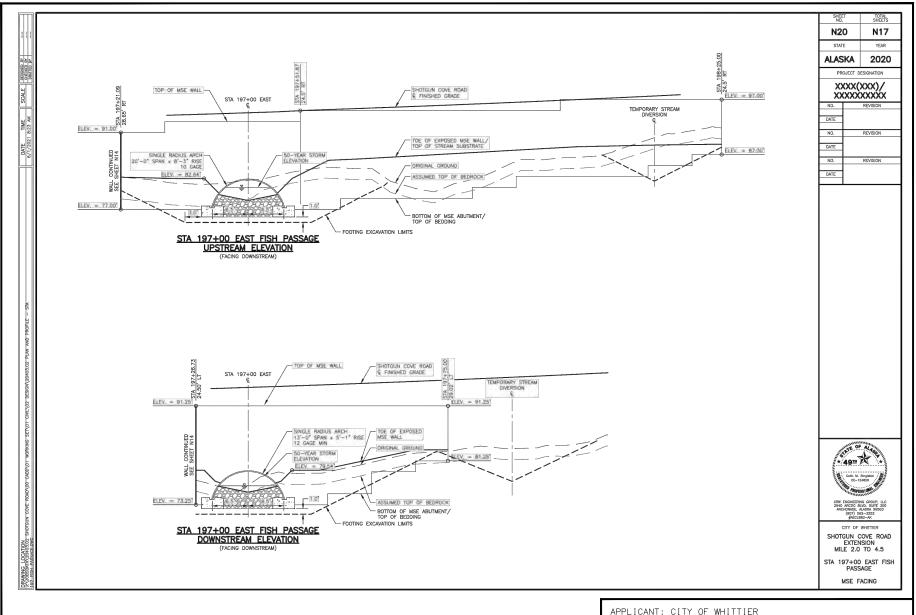
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 43 OF 45 DATE: JUNE 2021



WATERWAY:

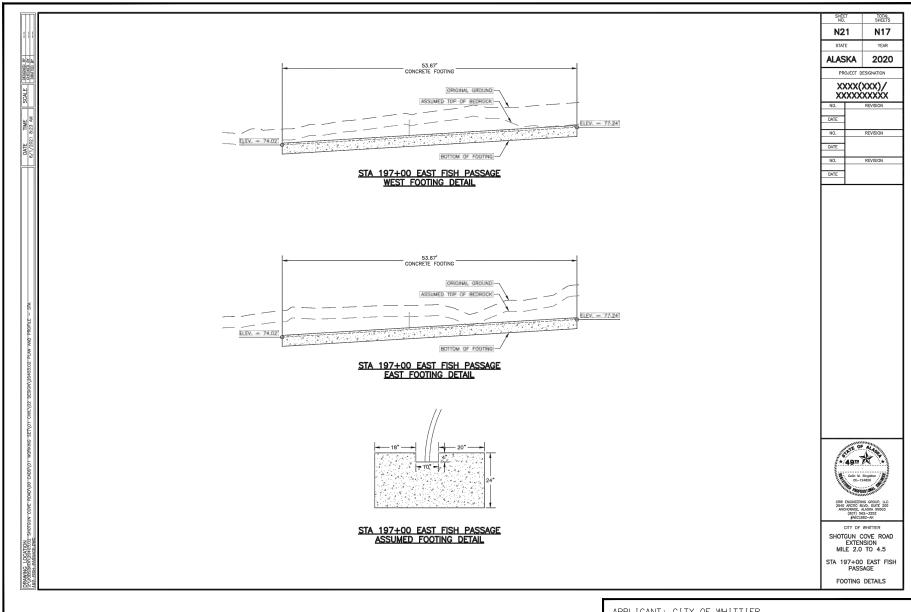
PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 44 OF 45 DATE: JUNE 2021



WATERWAY:

PROPOSED ACTIVITY: LINEAR TRANSPORTATION PROJECT

SECTION: 3, 8, 9, 17 TOWNSHIP: 8N RANGE: 5E

MERIDIAN: SEWARD

LAT: 60.797732 LONG: -148.596515

SHOTGUN COVE ROAD EXTENSION - MILE 2.0 TO 4.5 FIG 45 OF 45 DATE: JUNE 2021