



US Army Corps  
of Engineers  
Alaska District

# Public Notice of Application for Permit

Juneau Field Office  
Regulatory Division (1145)  
CEPOA-RD  
Post Office Box 22270  
Juneau, Alaska 99802-2270

<b>PUBLIC NOTICE DATE:</b>	<b>July 9, 2018</b>
<b>EXPIRATION DATE:</b>	<b>July 24, 2018</b>
<b>REFERENCE NUMBER:</b>	<b>POA-2018-00270</b>
<b>WATERWAY:</b>	<b>Granite Creek</b>

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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](mailto: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 Randal Vigil at (907) 790-4490 or by email at [Randal.P.Vigil@usace.army.mil](mailto:Randal.P.Vigil@usace.army.mil) if further information is desired concerning this notice.

**APPLICANT:** City and Borough of Sitka, Attention Keith Brady, 100 Lincoln St., Sitka, AK 99835.

**AGENT:** Lynne Brandon, with Sitka Trail Works, 801 Halibut Point Road, Sitka, AK 99835.

**LOCATION:** The project site is located within Section 3, 10, 15, T. 55 S., R. 63 E., Copper River Meridian; USGS Quad Map Sitka A-5; Latitude 57.113397° N., Longitude 135.377183° W.; One and one half miles up Harbor Mountain Road the new trail construction begins. The trailhead on the north end is at Old Sitka Boat Launch parking lot approximately 6.75 miles north of downtown Sitka on Halibut Point Road, in Sitka, Alaska.

**PURPOSE:** The applicant's stated purpose is to provide for public recreation and transportation plus access to National Forest lands.



**PROPOSED WORK:** Place 2,854 cubic yards (CY) of base course six-inch minus and 634.3 CY of D-1 fill material into 1.7 acres of palustrine wetlands to construct 13,642 linear feet of non-motorized multi-use trail. Work would include the installation of 98 culverts and one structural plate arch below the Ordinary High Water Mark of riverine waters to maintain the course, condition, capacity, and location of open waters.

All work would be performed in accordance with the enclosed plan (sheets 1-22), dated June 2018.

**APPLICANT PROPOSED MITIGATION:** 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 trail route is in an area of extensive wetlands but is designed to avoid wetlands and remain in the upland margins or in upland mosaic to the maximum extent practicable. The trail only crosses wetlands when it's unavoidable to maintain grade or in consideration of projects logistics.

Two routes for the trail were investigated and soils, wetlands, stream crossings, constructability, cost, distance, grade and aesthetics were considered. The two alternatives were also publicly scoped for NEPA. The West Alignment option crossed more Wetlands whereas the East Alignment route remains more in 50% Wetland/ Upland Mosaic. The West Alignment was 1950 feet longer and the added distance would have resulted in higher impacts. The East Alignment, the preferred alternative, was selected.

A random network of existing volunteer trails is causing impacts to wetlands so designing one route will concentrate use onto a trail surface built to sustain high use. This will help minimize impacts. Re-routes have been designed to move the trail route away from high value wetlands to minimize impacts. A goal is to locate the trail where soils are more stable and bearing to create a low-impact, sustainable trail surface.

b. Minimization: The City's partner in the trail construction, Sitka Trail Works, has a special tracked gravel hauler and mini excavator to build the Cross Trail.

This equipment allows for minimal impacts during construction since it is much smaller and requires less fill to construct the trail base. Geotextile filter fabric is used in the trail base to minimize sedimentation. A Storm Water Pollution Prevention Plan and inspections will be completed and seed-free straw wattles will also be used and removed after construction is complete. Properly placed culverts will provide for normal water flows.

Volunteer, informal trails cause considerable erosion and damage to adjacent wetlands. The 10 feet – 12 feet wide trail-base design helps contain foot, bike and dog traffic to the gravel trail, minimizing impacts along the trail corridor.

c. Compensatory Mitigation: A preliminary plan to provide compensatory mitigation is to preserve a site with wetlands resources of similar value and function to those impacted by the project. The compensation plan will establish a wetland area within the Granite Creek



watershed for a conservation easement (restrictive covenant). The identified area will preserve roughly 12 acres of high value wetlands and is owned by the City and Borough of Sitka.

WATER QUALITY CERTIFICATION: 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.

CULTURAL RESOURCES: The latest published version of the Alaska Heritage Resources Survey (AHRs) has been consulted for the presence or absence of historic properties, including those listed in or eligible for inclusion in the National Register of Historic Places. There are cultural resources in the permit area and/or within the vicinity of the permit area. Consultation of the AHRs constitutes the extent of cultural resource investigations by the Corps of Engineers (Corps) at this time. The Corps has made a No Adverse Effect determination for the proposed project. This application is being coordinated with the State Historic Preservation Office (SHPO). Any comments SHPO may have concerning presently unknown archeological or historic data that may be lost or destroyed by work under the requested permit will be considered in our final assessment of the described work.

ENDANGERED SPECIES: No threatened or endangered species are known to use the project area.

We have determined the described activity would have no effect on any listed or proposed threatened or endangered species and would have no effect on any designated or proposed critical habitat, under the Endangered Species Act of 1973 (87 Stat. 844). Therefore, no consultation with the U.S. Fish and Wildlife Service or the National Marine Fisheries Service (NMFS) is required. However, any comments they may have concerning endangered or threatened wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

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 project area is within the known range of the chum (*Oncorhynchus keta*), Coho (*Oncorhynchus kisutch*), and pink (*Oncorhynchus gorbuscha*) salmon.

We have determined the described activity would not adversely affect EFH in the project area.

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.



PUBLIC HEARING: 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.

EVALUATION: 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)(1) 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 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.

AUTHORITY: This permit will be issued or denied under the following authority:

(X) Discharge dredged or fill material into waters of the United States – 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 and a Notice of Application for State Water Quality Certification are enclosed with this Public Notice.

District Commander  
U.S. Army, Corps of Engineers

Enclosures



**STATE OF ALASKA**

DEPT. OF ENVIRONMENTAL CONSERVATION  
DIVISION OF WATER

Wastewater Discharge Authorization Program (WDAP) / 401 Certification

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
WDAP/401 CERTIFICATION

555 CORDOVA STREET

ANCHORAGE, ALASKA 99501-2617

PHONE: (907) 269-6285 | EMAIL: [dec-401cert@alaska.gov](mailto:dec-401cert@alaska.gov)

**NOTICE OF APPLICATION  
FOR  
STATE WATER QUALITY CERTIFICATION**

Any applicant for a federal license or permit to conduct an activity that might result in a discharge into navigable waters, in accordance with Section 401 of the Clean Water Act of 1977 (PL95-217), also must apply for and obtain certification from the Alaska Department of Environmental Conservation that the discharge will comply with the Clean Water Act, the Alaska Water Quality Standards, and other applicable State laws. By agreement between the U.S. Army Corps of Engineers and the Department of Environmental Conservation, application for a Department of the Army permit to discharge dredged or fill material into navigable waters under Section 404 of the Clean Water Act also may serve as application for State Water Quality Certification.

Notice is hereby given that the application for a Department of the Army Permit described in the Corps of Engineers' Public Notice (PN) Reference Number **POA-2018-270, Granite Creek**, serves as application for State Water Quality Certification from the Department of Environmental Conservation.

After reviewing the application, the Department may certify there is reasonable assurance the activity, and any discharge that might result, will comply with the Clean Water Act, the Alaska Water Quality Standards, and other applicable State laws. The Department also may deny or waive certification.

Any person desiring to comment on the project with respect to Water Quality Certification, may submit written comments to the address above or via email to [dec-401cert@alaska.gov](mailto:dec-401cert@alaska.gov) by the expiration date of the Corps of Engineer's Public Notice. All comments should include the PN reference number listed above. Mailed comments must be postmarked on or before the expiration date of the public notice.

**Disability Reasonable Accommodation Notice**

The State of Alaska, Department of Environmental Conservation complies with Title II of the Americans with Disabilities Act of 1990. If you are a person with a disability who may need special accommodation in order to participate in this public process, please contact Theresa Zimmerman at 907-465-6171 or TDD Relay Service 1-800-770-8973/TTY or dial 711 within 5 days of the expiration date of this public notice to ensure that any necessary accommodations can be provided.



Alaska



SE Alaska



Location Map  
USGS Quad Sitka A-5

POA-2018-207, Granite Creek  
City and Borough of Sitka  
Trail Multimodal Pathway



## CROSS TRAIL MULTIMODAL PATHWAY: PROJECT LOCATION



### Project Location

Sitka Cross Trail Multimodal Pathway Phase 6

**Township 55S Range 63 E, Section 3, Copper River Meridian**

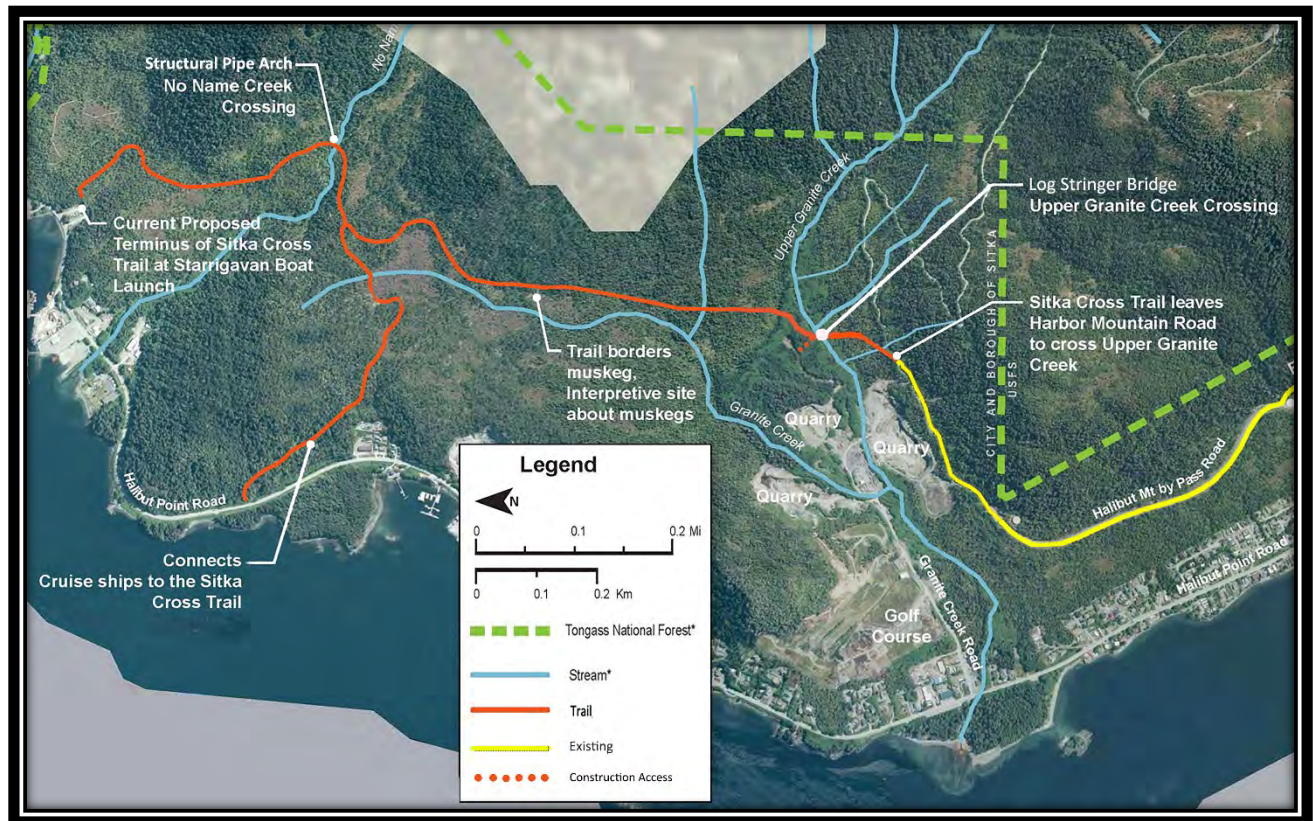
**Scale: 1" = 3652'**

Construction of a non-motorized, multimodal pathway for use for public recreation and transportation.

City and Borough of Sitka, 100 Lincoln St., Sitka, AK 99835.

June 2018

## CROSS TRAIL: PROJECT LOCATION



### Project Location

#### Sitka Cross Trail Multimodal Pathway Phase 6

**Township 55S Range 63 E, Section 3, Copper River Meridian**

**Scale: 1" = 105.6'**

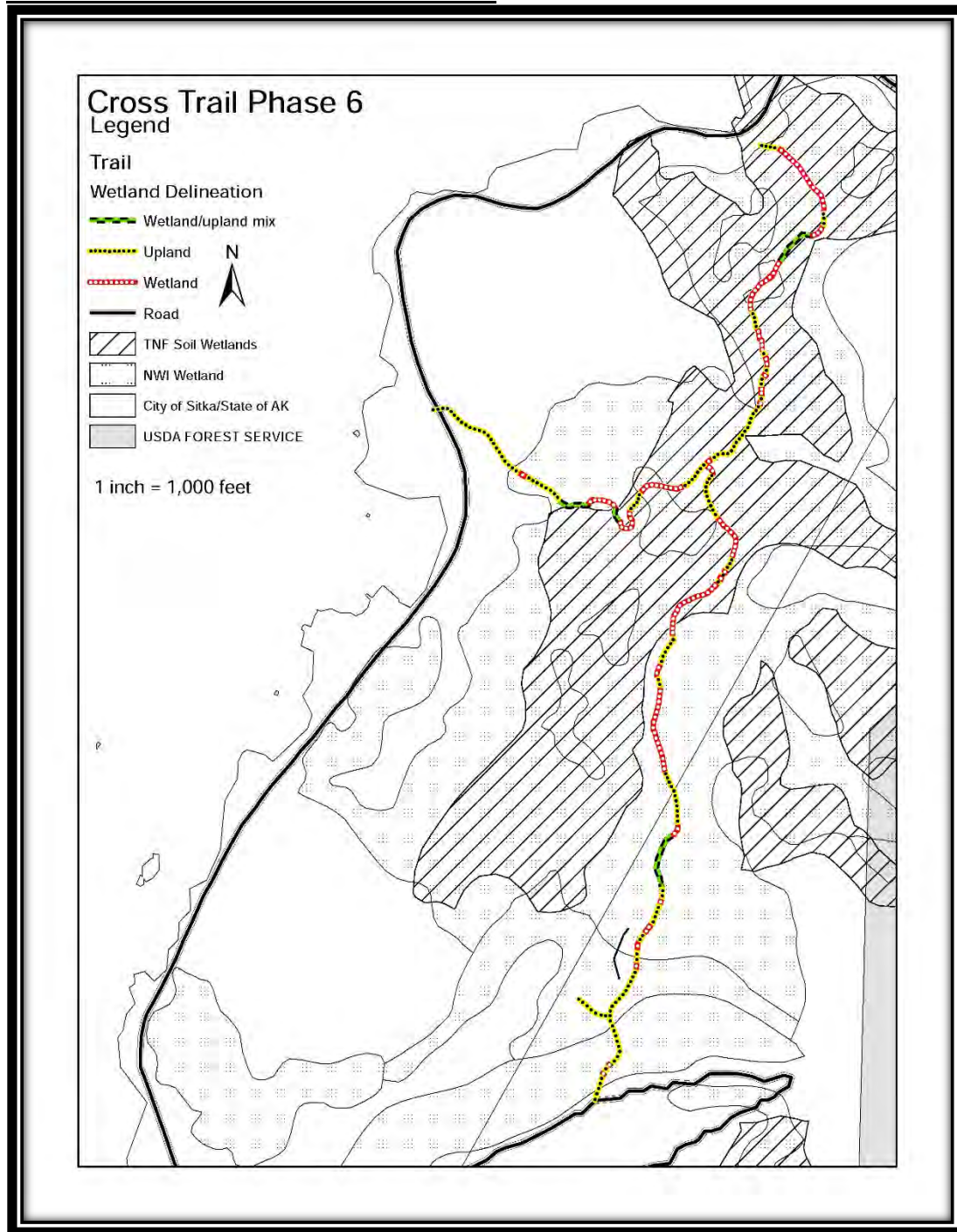
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June 2018



## **CROSS TRAIL: SITE PLAN & DELINEATION**



### **CROSS TRAIL SITE PLAN & DELINEATION MAP**

#### **Sitka Cross Trail Multimodal Pathway Phase 6**

**Township 55S Range 63 E, Section 3, Copper River Meridian**

**Scale: 1" = 1000'**

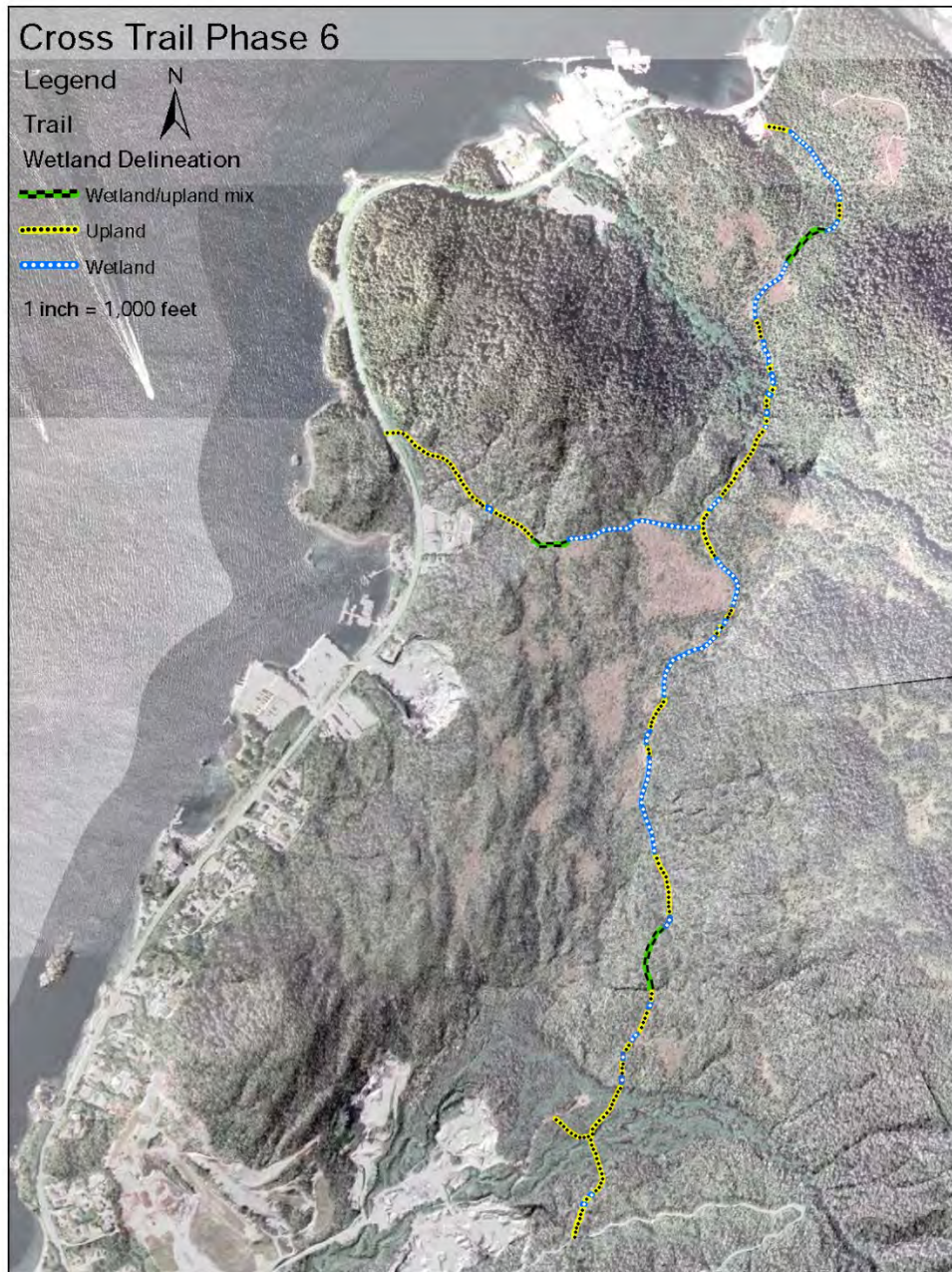
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June 2018



## CROSS TRAIL: SITE PLAN & DELINEATION



### CROSS TRAIL SITE PLAN & DELINEATION MAP

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**Township 55S Range 63 E, Section 3 Meridian Copper River**

**Scale: 1" = 1000'**

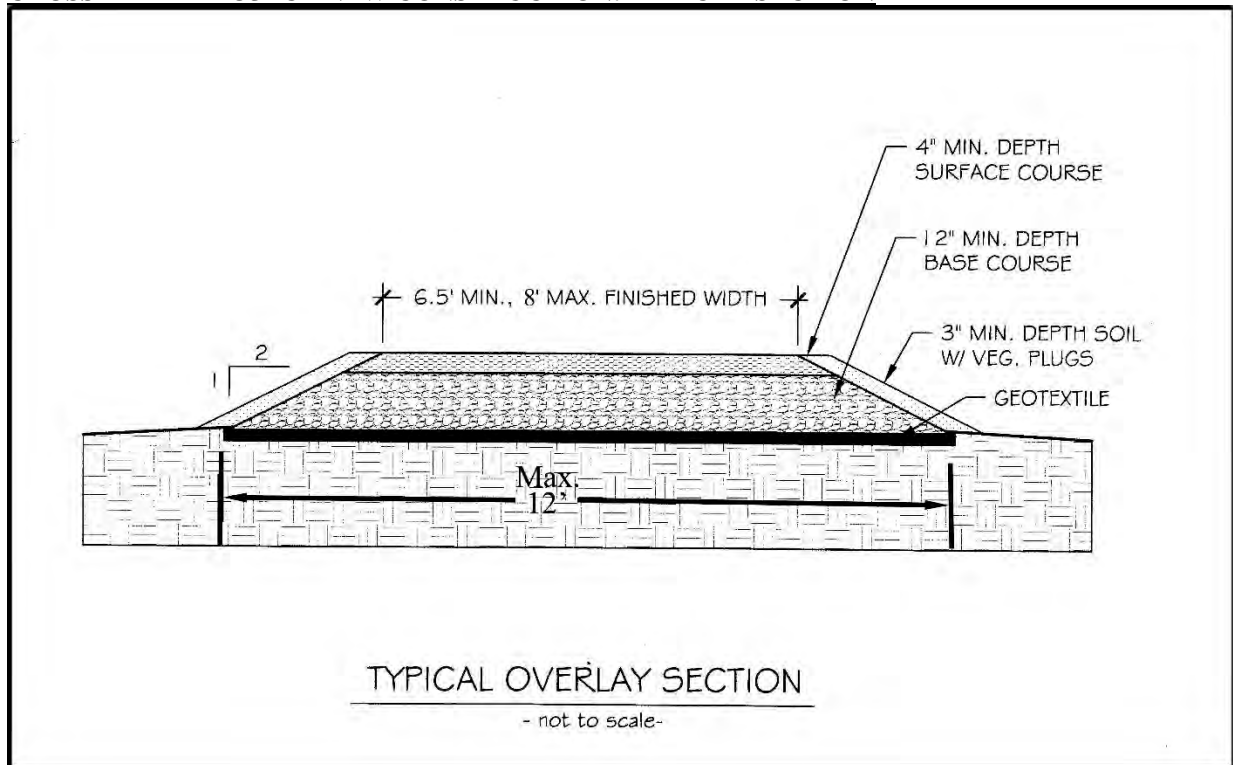
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June 2018



## CROSS TRAIL PROJECT NEW CONSTRUCTION: TYPICAL SECTION



### PATHWAY TYPICAL SECTIONS CROSS TRAIL Sitka Cross Trail Multimodal Pathway Phase 6

**Township 55S Range 63 E, Section 3 Meridian Copper River**

**Scale: NTS**

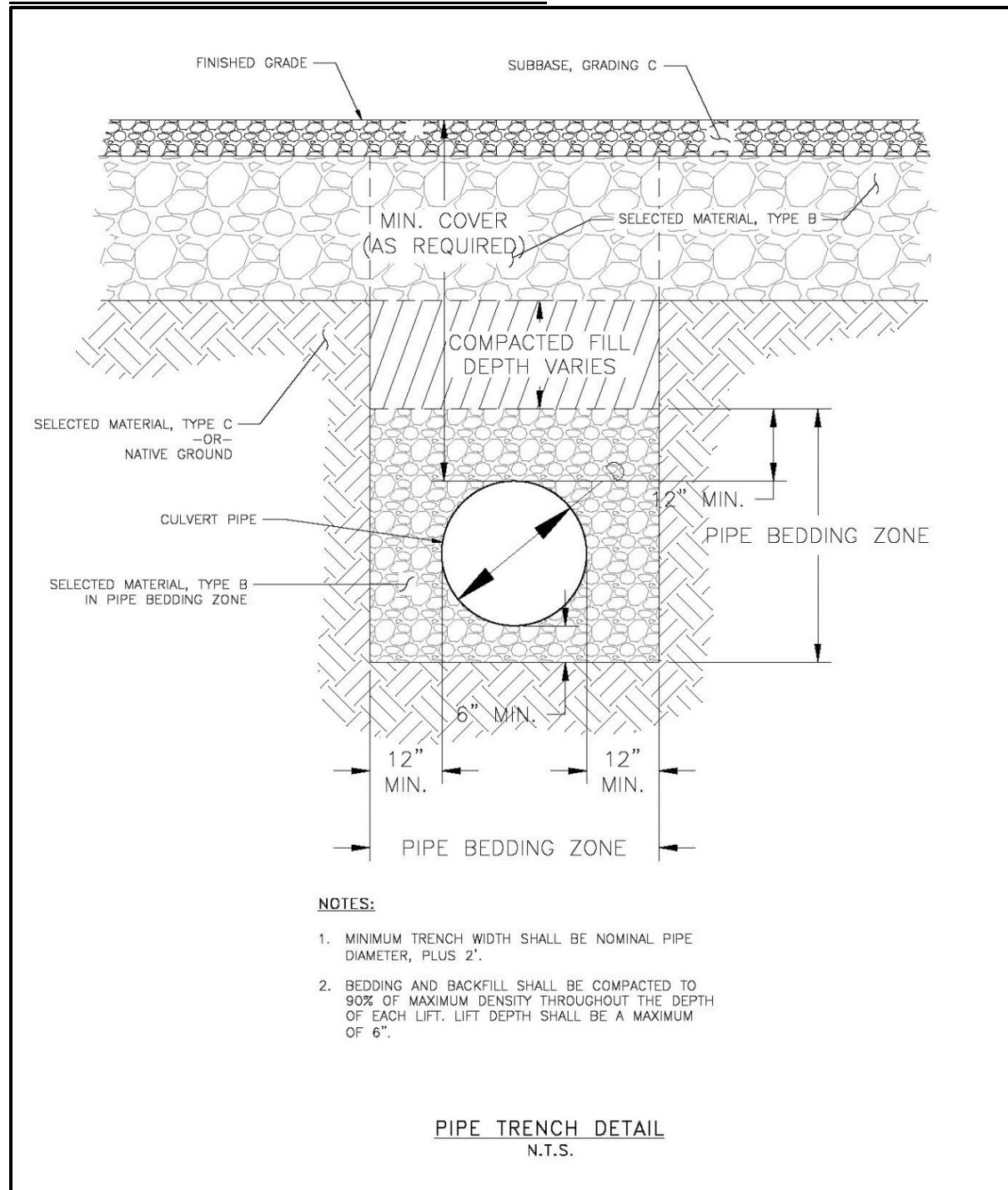
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June 2018



## CROSS TRAIL PROJECT: CULVERT CROSS SECTION



### CROSS TRAIL CULVERT CROSS SECTION DETAIL

#### Sitka Cross Trail Multimodal Pathway Phase 6

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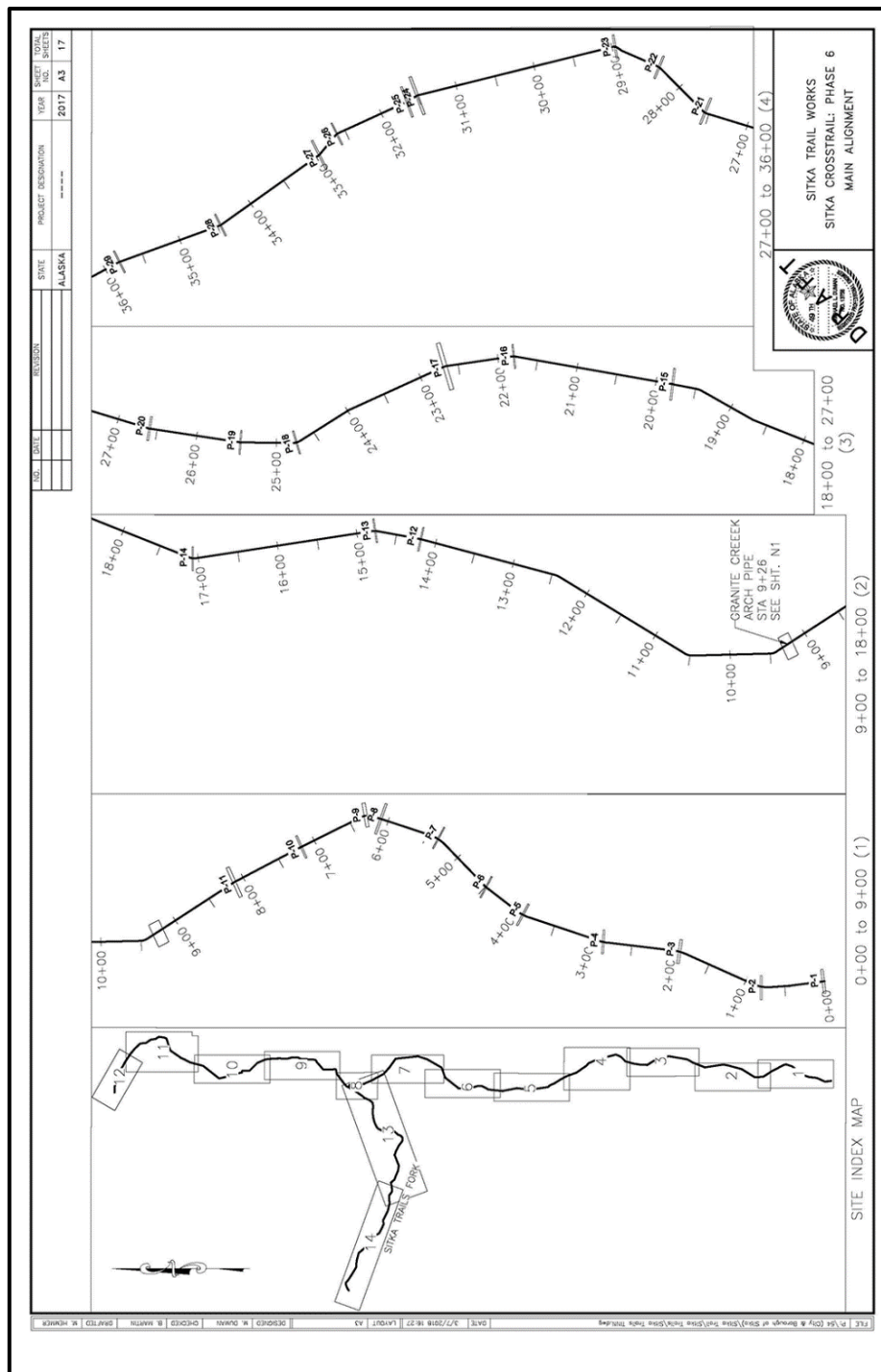
June 2018

POA - 2018 -207  
JUNE 2018

CROSS TMP Phase 6  
PAGE 6 of 14



## CROSS TRAIL: CULVERT PLACEMENT



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## Sitka Cross Trail Multimodal Pathway Phase 6

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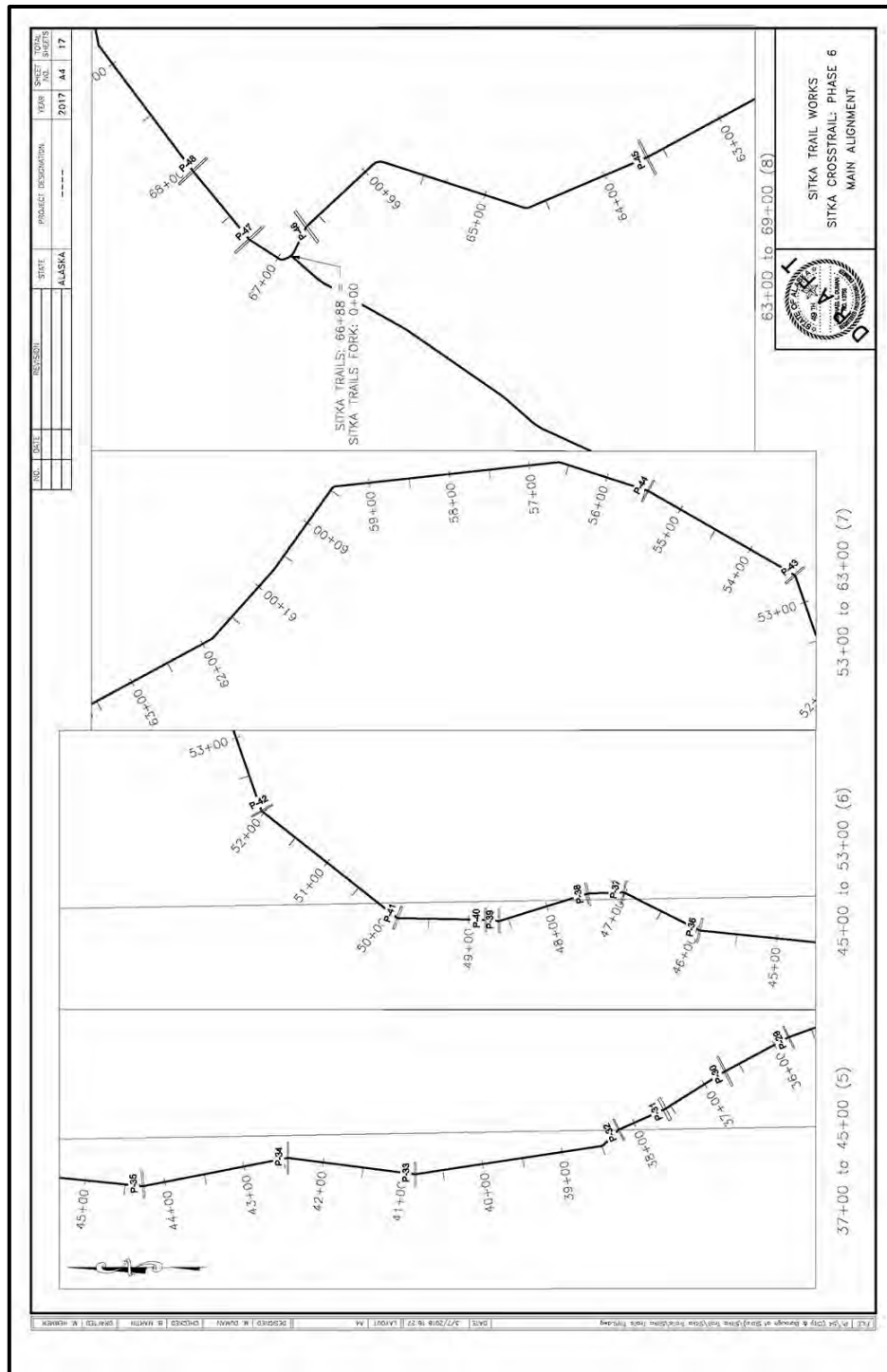
June 2018

POA - 2018 -207  
JUNE 2018

CROSS TMP Phase 6  
PAGE 7 of 14



## CROSS TRAIL: CULVERT PLACEMENT



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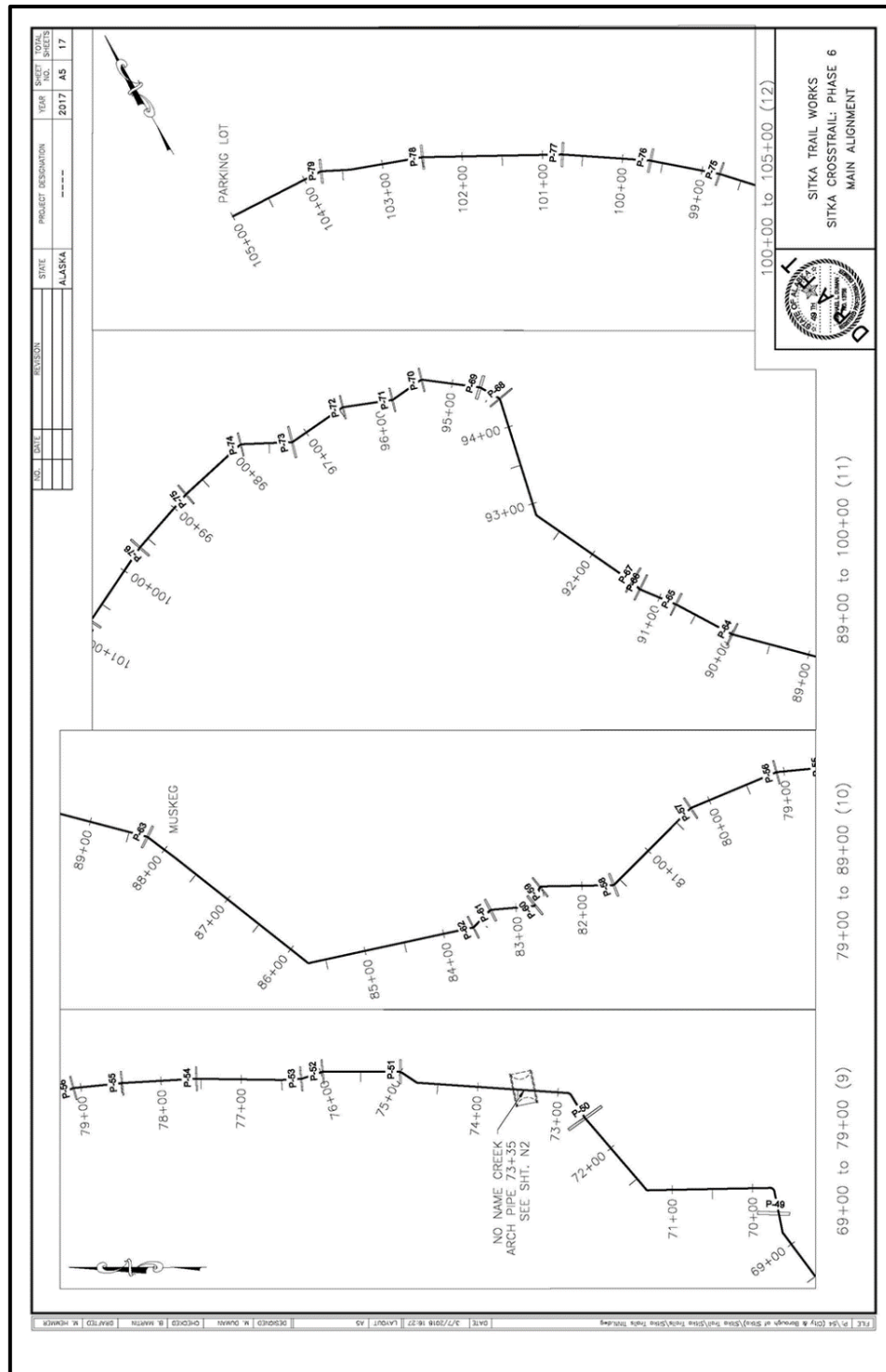
June 2018

POA - 2018 -207  
JUNE 2018

CROSS TMP Phase 6  
PAGE 8 of 14



## CROSS TRAIL: CULVERT PLACEMENT



### CROSS TRAIL: CULVERT PLACEMENT

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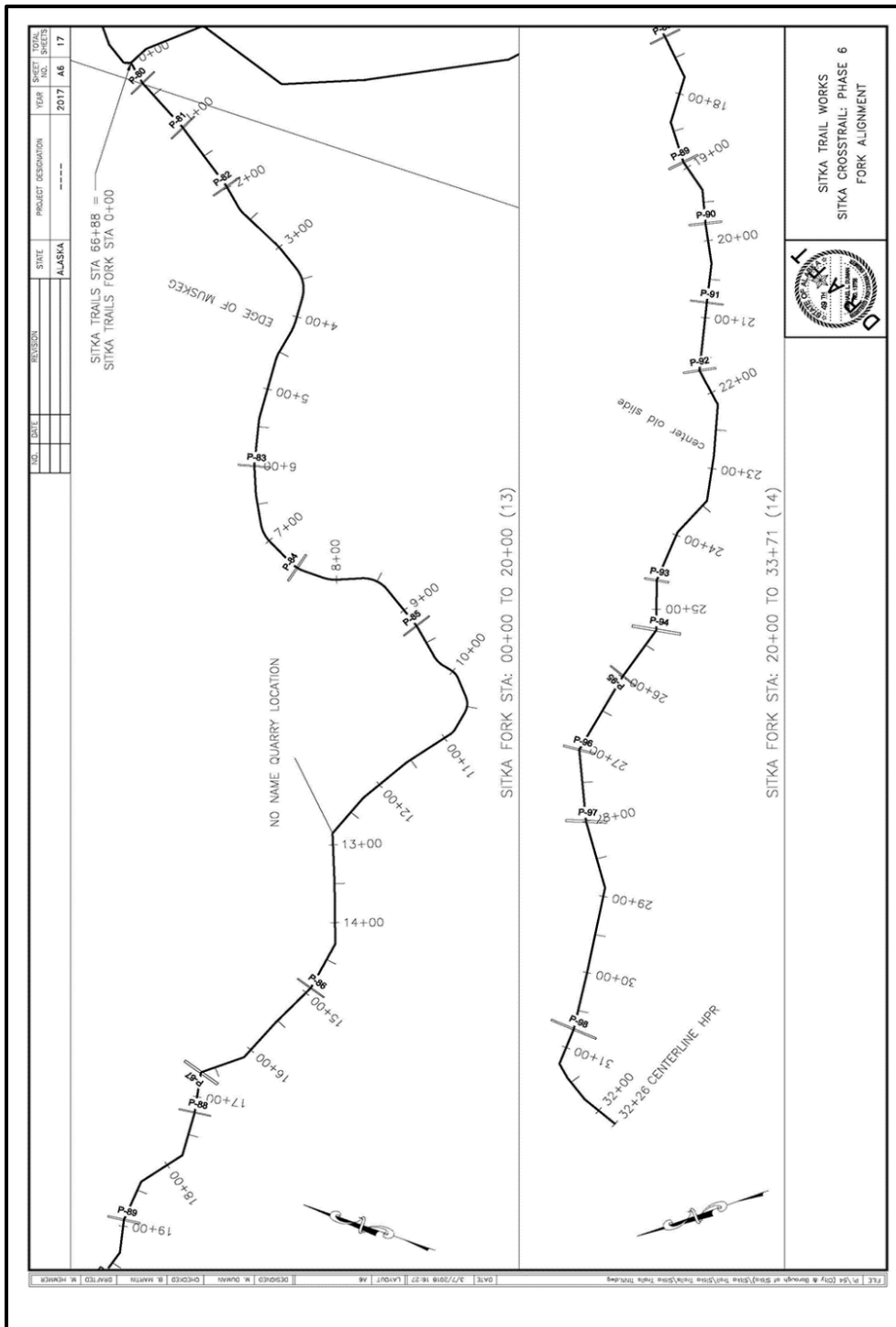
June 2018

POA - 2018 -207  
JUNE 2018

CROSS TMP Phase 6  
PAGE 9 of 14



## CROSS TRAIL: CULVERT PLACEMENT



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June 2018

POA - 2018 -207  
JUNE 2018

CROSS TMP Phase 6  
PAGE 10 of 14



## CROSS TRAIL: CULVERT SCHEDULE

NO.	DATE	REVISION	STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	---	2017	C2	17

CULVERT INSTALLATION SUMMARY SITKA TRAILS PHASE 6						
PIPE	LENGTH (FT)	SIZE	STA	CUT (CY)	FILL (CY)	
P-30	20.00'	18"	0+29.30			
P-61	20.00'	18"	1+05.59			
P-62	20.00'	18"	1+08.22			
P-63	20.00'	18"	6+00.95			
P-64	20.00'	24"	7+48.79			
P-65	20.00'	18"	9+25.87			
P-66	20.00'	18"	14+30.79			
P-67	20.00'	36"	16+64.32			
P-68	20.00'	18"	17+20.19			
P-69	20.00'	24"	18+90.74			
P-70	20.00'	24"	19+77.80			
P-71	20.00'	18"	20+80.33			
P-72	20.00'	24"	21+09.68			
P-73	20.00'	24"	24+61.81			
P-74	20.00'	36"	25+30.88			
P-75	20.00'	18"	25+99.08			
P-76	20.00'	24"	27+09.33			
P-77	20.00'	36"	28+01.24			
P-78	20.00'	24"	30+73.83			

CULVERT INSTALLATION SUMMARY SITKA TRAILS PHASE 6						
PIPE	LENGTH (FT)	SIZE	STA	CUT (CY)	FILL (CY)	
P-61	20.00'	24"	83+29.99			
P-62	20.00'	18"	83+60.48			
P-63	20.00'	24"	86+27.35			
P-64	20.00'	18"	89+97.53			
P-65	20.00'	18"	90+77.82			
P-66	20.00'	18"	91+28.21			
P-67	20.00'	18"	91+39.39			
P-68	20.00'	18"	94+35.44			
P-69	20.00'	36"	94+63.47			
P-70	20.00'	18"	95+36.50			
P-71	20.00'	18"	95+80.87			
P-72	20.00'	18"	96+45.56			
P-73	20.00'	24"	97+19.68			
P-74	20.00'	18"	97+87.52			
P-75	20.00'	18"	98+78.23			
P-76	20.00'	24"	99+65.72			
P-77	20.00'	24"	100+75.54			
P-78	20.00'	24"	102+48.85			
P-79	20.00'	24"	105+78.36			

CULVERT INSTALLATION SUMMARY SITKA TRAILS PHASE 6						
PIPE	LENGTH (FT)	SIZE	STA	CUT (CY)	FILL (CY)	
P-31	30.00'	48"	37+57.60			
P-32	20.00'	18"	38+22.19			
P-33	20.00'	18"	40+84.11			
P-34	20.00'	18"	42+44.93			
P-35	20.00'	24"	44+28.52			
P-36	20.00'	24"	45+97.97			
P-37	20.00'	18"	47+00.66			
P-38	20.00'	24"	47+46.01			
P-39	20.00'	18"	48+60.98			
P-40	20.00'	18"	48+78.50			
P-41	20.00'	24"	49+30.02			
P-42	20.00'	18"	52+01.63			
P-43	20.00'	24"	53+34.03			
P-44	20.00'	18"	53+47.23			
P-45	20.00'	18"	63+84.27			
P-46	20.00'	24"	66+84.56			
P-47	20.00'	18"	67+23.52			
P-48	20.00'	18"	67+85.80			
P-49	40.00'	48"	69+43.59			
P-50	30.00'	36"	72+49.54			
P-51	20.00'	24"	74+98.45			
P-52	20.00'	18"	75+98.31			
P-53	20.00'	18"	76+24.48			
P-54	20.00'	18"	77+55.87			
P-55	20.00'	18"	78+48.32			
P-56	20.00'	18"	79+08.52			
P-57	20.00'	18"	80+26.09			
P-58	20.00'	24"	81+55.43			
P-59	20.00'	18"	82+55.48			
P-60	20.00'	24"	82+72.66			

CULVERT INSTALLATION SUMMARY SITKA TRAILS PHASE 6						
PIPE	LENGTH (FT)	SIZE	STA	CUT (CY)	FILL (CY)	
P-1	30.00'	36"	0+01.49			
P-2	20.00'	24"	0+78.86			
P-3	30.00'	36"	1+89.44			
P-4	20.00'	24"	2+88.29			
P-5	20.00'	24"	3+91.74			
P-6	20.00'	18"	4+49.50			
P-7	20.00'	18"	5+33.64			
P-8	30.00'	30"	6+09.50			
P-9	30.00'	48"	6+27.25			
P-10	20.00'	24"	7+16.12			
P-11	40.00'	48"	8+13.21			
P-12	20.00'	18"	14+18.88			
P-13	20.00'	18"	14+75.91			
P-14	20.00'	18"	17+07.64			
P-15	30.00'	24"	19+79.00			
P-16	20.00'	18"	21+78.98			
P-17	60.00'	60"	22+84.53			
P-18	20.00'	18"	24+75.13			
P-19	20.00'	18"	25+45.02			
P-20	20.00'	24"	26+59.92			
P-21	25.00'	24"	27+57.38			
P-22	20.00'	24"	28+34.25			
P-23	20.00'	24"	28+93.18			
P-24	40.00'	36"	31+52.00			
P-25	30.00'	24"	31+84.02			
P-26	20.00'	18"	32+82.61			
P-27	20.00'	24"	32+93.99			
P-28	20.00'	18"	34+45.39			
P-29	20.00'	18"	35+79.53			
P-30	30.00'	24"	36+70.34			

MAJOR STRUCTURE INSTALLATION SUMMARY SITKA TRAILS PHASE 6						
STRUCTURE	LENGTH	SIZE	STA	CUT (CY)	FILL (CY)	CONCRETE RIPRAP AREA (CY)
NO NAME CREEK SPA	40 FT	28'-1" SPAN X 13'-1" SSSE	73+35	7	25	0
						355

SITKA TRAIL WORKS SITKA CROSSTRAIL: PHASE 6 CULVERT TABLE						
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### CROSS TRAIL ARCH PIPE CROSS SECTION

#### Sitka Cross Trail Multimodal Pathway Phase 6

Township 55S Range 63 E, Section 3 Meridian Copper River

Scale: NTS

Construction of a non-motorized, multimodal pathway for use for public recreation and transportation.

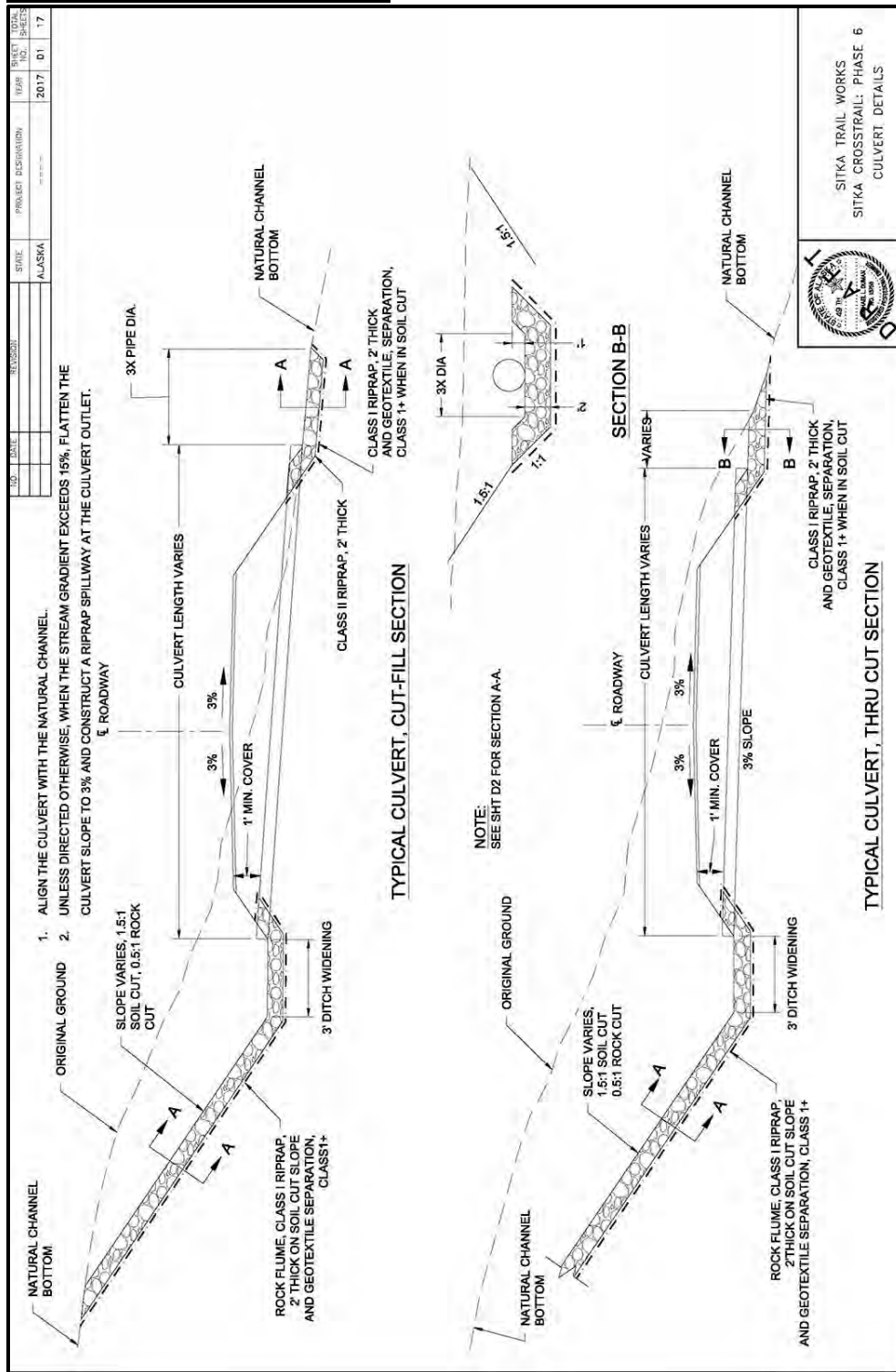
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POA - 2018 -207  
JUNE 2018

CROSS TMP Phase 6  
PAGE 11 of 14

## CROSS TRAIL: CULVERT DETAILS



SITKA TRAIL WORKS  
SITKA CROSS TRAIL: PHASE 6  
CULVERT DETAILS

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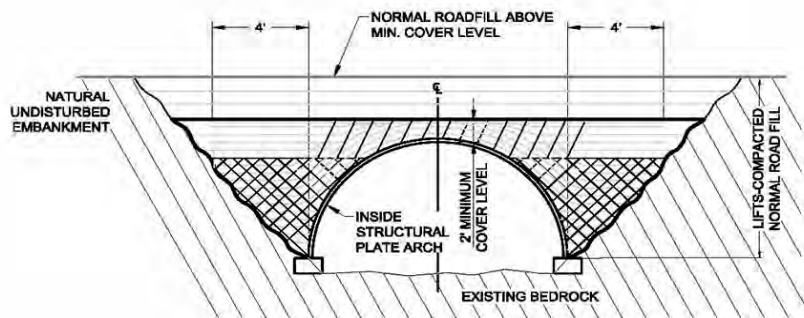
POA - 2018 -207  
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CROSS TMP Phase 6  
PAGE 12 of 14



# **CROSS TRAIL: SPPA DETAILS NO NAME CREEK:**

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	----	2017	N3	17



- ☒ CRITICAL BACKFILL ZONE, PRESSURE ON SOIL GREATEST HERE
- ☒ INITIAL LIFTS OVER CROWN OF STRUCTURE AS INDICATED BY SHADED AREA TO BE COMPACTED TO REQUIRED DENSITY WITH HAND OPERATED EQUIPMENT OR WITH SMALL TRACTOR (D-4 OR SMALLER) DRAWN EQUIPMENT
- ☐ SELECT MATERIAL, TYPE B, LIMITS



**SITKA TRAIL WORKS  
SITKA CROSSTRAIL: PHASE 6  
STRUCTURE DETAILS**

## **CROSS TRAIL SPPA DETAILS NO NAME CREEK**

### **Sitka Cross Trail Multimodal Pathway Phase 6**

**Township 55S Range 63 E, Section 3 Meridian Copper River**

**Scale: NTS**

Construction of a non-motorized, multimodal pathway for use for public recreation and transportation.

City and Borough of Sitka, 100 Lincoln St., Sitka, AK 99835.

June 2018

POA - 2018 -207  
JUNE 2018

CROSS TMP Phase 6  
PAGE 13 of 14

**CULVERT DATA**

CULVERT ID	ARCH SITE 2
CULVERT STA	73+35.00
CULVERT DIA	26'-1" SPAN X 13'-1" RISE
DEPTH TO TOP OF PIPE (FT)	5.5
LENGTH (FT)	40
INTAKE EMBEDMENT DEPTH (IN)	18
DISCHARGE EMBEDMENT DEPTH (IN)	18
MATERIAL GAUGE	STRUCTURAL PLATES
CORROSION	602
DESIGN SLOPE (FT/FT)	0.025
END TREATMENT	RRAP ARMORING
(*) INVERT ELEVATIONS FIELD VERIFIED/ADJUSTED BY ENGINEER	

**SECTION A-A**

SCALE: 1" = 10'

SECTION A-A shows a cross-section of the culvert structure. The structure is a 26'-1" span x 13'-1" rise arch. The invert elevation is 336.68'. The structure is supported by a right footing. The existing profile is shown as a dashed line. The finished grade is shown as a solid line. The structure is located on a roadway with a 10' width. The existing ground is shown as a dashed line. The structure is located on a creek bed. The structure is located on a creek bed. The structure is located on a creek bed.

**SECTION B-B**

SCALE: 1" = 10'

SECTION B-B shows a cross-section of the culvert structure. The structure is a 26'-1" span x 13'-1" rise arch. The invert elevation is 336.68'. The structure is supported by a right footing. The existing profile is shown as a dashed line. The finished grade is shown as a solid line. The structure is located on a roadway with a 10' width. The existing ground is shown as a dashed line. The structure is located on a creek bed. The structure is located on a creek bed. The structure is located on a creek bed.

**FOOTING ELEVATIONS (BOTTOM)**

CORNER	ELEVATION (FT)
①	336.9
②	336.9
③	336.0
④	336.0

**NOTES:**

- FOR PRECAST STRUCTURAL PLATE ARCH FOUNDATION DETAILS, SEE SHEET N3.
- FOR BACKFILL DETAILS, SEE SHEET N3.

CROSS TMP Phase 6  
PAGE 14 of 14