

APPENDIX A

Permit Applications

USACE 404 Permit Application, February 28, 2011	1
ADF&G Title 16 Permit Application, February 25, 2011	13
ADNR Coastal Project Questionnaire, February 25, 2011	23

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APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
(33 CFR 325)

OMB APPROVAL NO. 0710-0003
EXPIRES: 31 August 2012

Public reporting burden for this collection of information is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division, and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by federal law. Submission of requested information is voluntary; however, if information is not provided, the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies that show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
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(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME First - Jane Middle - D Last - Gendron Company - Alaska Department of Transportation and Public Facilities (DOT&PF) E-mail Address - jane.genron@alaska.gov	8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required) First - Middle - Last - Company - E-mail Address -
6. APPLICANT'S ADDRESS Address - 6860 Glacier Hwy City - Juneau State - AK Zip - 99811 Country - USA	9. AGENT'S ADDRESS Address - City - State - Zip - Country -
7. APPLICANT'S PHONE NOs w/AREA CODE a. Residence b. Business c. Fax (907) 465-4499	10. AGENT'S PHONE NOs w/AREA CODE a. Residence b. Business c. Fax

STATEMENT OF AUTHORIZATION

11. I hereby authorize ___ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

_____ **APPLICANT'S SIGNATURE**

_____ **DATE**

NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) Gustavus Airport Runway Safety Area (RSA) Improvements project	
13. NAME OF WATERBODY, IF KNOWN (if applicable) Unnamed Stream (#144-23-10199), and Icy Passage	14. PROJECT STREET ADDRESS (if applicable) Address - Gustavus Airport City - Gustavus State - AK Zip - 99826
15. LOCATION OF PROJECT Latitude: N 58° 26' 30.7" Longitude: W 135° 42' 27.2"	
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID Municipality Sections - 5,6,8,9 Township - 40S Range 59E	
17. DIRECTIONS TO THE SITE Gustavus Airport Runway 11/29 (associated RSA)	
18. Nature of Activity (description of project, include all features) See attached.	

19. Project Purpose (describe the reason or purpose of the project, see instructions)
See attached.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge
See attached.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards

Type	Type	Type
Amount in Cubic Yards	Amount in Cubic Yards	Amount in Cubic Yards

See attached.

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)
Acres – 1.07 total impacted acres (0.44 total permanent acres filled; 0.63 acres of total constructed channels)
or
Linear Feet -

23. Description of Avoidance, Minimization, and compensation (see instructions)
See attached.

24. Is Any Portion of the Work Already Complete? Yes No IF YES, DESCRIBE THE COMPLETED WORK

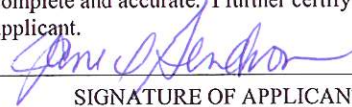
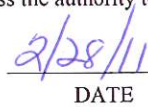
25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).
Address – N/A, All adjoining property to the proposed project work is owned by the applicant.
City - State - AK Zip -

26. List of Other Certifications or Approvals/Denials Received from other Federal, State, or Local Agencies for Work Described in This Application

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
ADF&G	Title 16 Fish Habitat Permit		Concurrent with this application		
ADNR-DCOM	Coastal Zone Consistency		Concurrent with this application		
ADEC	401 WQC		Concurrent with this application		

*Would include but is not restricted to zoning, building, and floodplain permits.

27. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT DATE SIGNATURE OF AGENT DATE

The application must be signed by the person who desires to undertake the proposed activity (applicant), or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States, knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious, or fraudulent statements or representations, or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

**Statement in support of USACE application for the
Gustavus Airport Runway Safety Area Improvements**

Item 18. Nature of Activity (description of project, include all features)

Proposed Action

The proposed action would consist of the following:

- Lengthening and widening the Runway Safety Area (RSA) of Runway 11/29 by:
 - Adding 409 feet at runway end 11 and 799 feet at runway end 29, and
 - Widening the entire RSA by adding 238 feet to its width.
- Constructing facilities to accommodate the expanded RSA including:
 - Grading a road section in uplands within the extent of the proposed RSA.
 - Rerouting 1,400 linear feet of road in uplands to remain outside the proposed RSA.
 - Re-grading the existing RSA ditches and realigning RSA ditches or rerouting other ditches as necessary within uplands and jurisdictional waters of the United States (U.S.).
 - Realigning a portion of airport fence in uplands to accommodate the RSA expansion near runway end 11.
 - Rerouting approximately 543 linear feet of unnamed stream (anadromous stream #144-23-10199) around the northern extension of the RSA on the eastern side and filling the former stream channel within jurisdictional waters of the U.S.
 - Completely filling 445 linear feet of an unnamed ditch that flows into the unnamed stream near the northwest end of the existing runway within jurisdictional waters of the U.S.
 - Rerouting approximately 625 linear feet of an unnamed ditch around the end of runway 29 and directing water into a new culvert.
 - Installing a new culvert, approximately 600 feet long and 72 inches wide, into the existing drainage ditch and covering that culvert when expanding the RSA within jurisdictional waters of the U.S.
- Installation of an Asphalt Stabilized Surface to the entire RSA. There are two options; both would have a sand seal on the surface. They are:
 - A hot asphalt sand mix would be applied to the RSA surface to create a hardened surface, or
 - The hot asphalt sand mix would require a mobile batch plant including a mobile power plant.
 - An Emulsified asphalt and Portland cement would be applied to the RSA surface. This would harden the sand and create an Asphalt Emulsified Surface (AES).
- Abandoning, filling, installing, removing and replacing culverts, including:
 - Abandoning and filling one culvert near the end of runway end 11 within jurisdictional waters of the U.S.
 - Installing one new culvert in the existing ditch under the RSA area off the end of runway 29 within jurisdictional waters of the U.S.
 - Removing and replacing one culvert in uplands near the end of runway end 29 under the proposed road realignment.
 - Installing two new culverts in uplands in the new ditch parallel to the runway, one on the east side of runway end 29 and the other on the west side of runway end 29.

- Adjusting and replacing existing electrical facilities within uplands, including:
 - Replacing electrical conduit to the wind cones, Visual Approach Slope Indicator (VASI), and runway lighting where the realigned RSA ditches intersect existing conduit.
 - Lowering VASI, runway end identifier lights (REIL), and Distance to Go sign, and other Navigational Aid (NAVAID) concrete bases to match the proposed RSA elevation
 - Trenching to the nearest junction will be necessary to adjust the conduit leading into these NAVAIDs
 - Adjust electrical junction boxes to match the proposed RSA elevation.
 - Replace failing direct buried cable to the VASI.
- Construction areas would be accessed by existing airport roads.

Item 19. Project Purpose (describe the reason or purpose of the project)

Purpose and Need

The purpose of the Gustavus Airport RSA Improvements project is to expand the RSA to resolve safety and operational deficiencies identified in the Southeast Region Aviation System Plan (State of Alaska, 2008). The current RSA is deficient in both length and width.

Item 20. Reason(s) for Discharge

The reason for discharging fill into waters of the United States (U.S.) is to provide a stable engineered base for the expansion of the RSA.

Item 23. Description of Avoidance, Minimization, and Compensation

Avoidance of Impacts to Waters of the U.S.

The Alaska Department of Transportation and Public Facilities (DOT&PF) selected a design that avoids impacts to waters of the U.S. to the maximum extent practicable. A RSA Practicability Study completed in 2005 (USKH, Inc.) identified the proposed action alternative as the only practicable alternative.

The proposed action would expand the existing RSA. This location is primarily uplands and previously disturbed areas. Only 1.07 acres of wetlands would be impacted. Complete avoidance of resources is not possible because expansion of the RSA to meet Federal Aviation Administration's (FAA) established RSA standards requires extension into waters of the U.S. located within the required RSA expansion zone. It would not be practicable or feasible to move runway 11/29 to an upland site.

Minimization of Unavoidable Impacts to Waters of the U.S.

The unnamed stream and the unnamed ditch are manmade and have undergone channelization that has reduced their current quality.

Currently, the unnamed stream goes dry in the summer; therefore, the loss of functional stream length is not expected to result in an adverse effect to fish because the new anadromous channel would enhance habitat with expected year-round water flow. Due to the shortened stream length, the gradient would be steeper; thus, water flow would be improved. During construction, the Contractor would use an approved method to maintain continuous flow of the unnamed stream. In-water work would occur during the Alaska Department of Fish and Game (ADF&G) recommended period of July 1 through September 1. A professional with expertise in stream hydraulics and fish habitat restoration would be onsite to monitor and record construction activities, and to recommend modifications to protect Essential Fish Habitat (EFH), if needed. The existing unnamed stream reach would not be filled until fish are allowed to escape. Impacts to waters of the U.S. and introduction of suspended sediment would also be minimized by using best management practices (BMPs) for erosion and sediment control during construction.

New stream habitat would use a reference reach from the existing stream as a design template. The reference reach is comprised of bars, near bank vegetation, meandering and complex stream forms/fish habitat. The new stream width and bank slopes would allow for improved flood conveyance. The banks would be vegetated, where possible, with salvaged organic material from the area of excavation. Stream bank stabilization would include certified weed-free native seed mix. The native seed mix would be composed of American Sloughgrass "egan" (*Beckmannia syzigachne*), Blue wildrye (*Elymus glaucus*), Sitka Sedge (*Carex stichensis*), and Spike Rush (*Eleocharis palustris*). The Contractor would be required to rinse equipment off-site, and remove plant fragments. This reduces the danger of transporting weed seeds or other undesired/non-native species to the project site.

The unnamed ditch on the southeast portion of the project site would not result in a loss of waters of the U.S. This ditch would allow for efficient water transport by placement into a culvert. BMP measures would also be employed by the Contractor to minimize erosion and sedimentation that could enter the system during construction.

Compensation for Unavoidable Impacts to Waters of the U.S.

Unavoidable impacts would include the placement of fill into 1.07 acres of waters of the U.S. (Sheet 2).

Table 1: Project Summary of Impacts to Waters of the United States

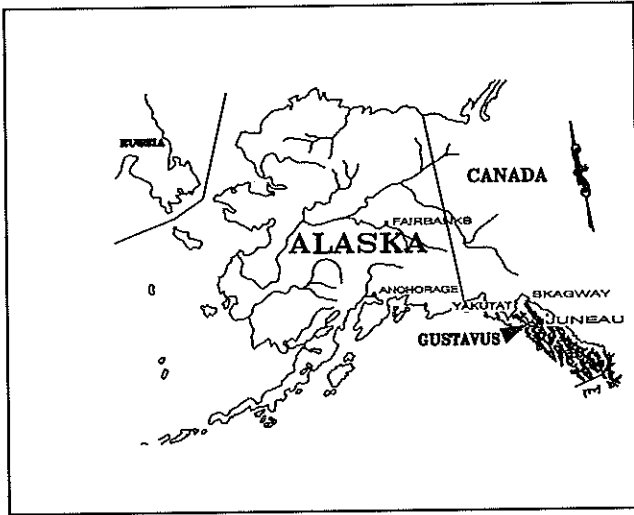
Area	Runway End	Fill in Waters of the U.S.	Cowardin Class	Loss or Gain of Stream Length (linear feet)	Fill in Waters of the U.S. (cubic yards)	Fill in Waters of the U.S. (acres)	Note
A	29	Loss of existing ditch	R5US2	625	2000	0.49	
B	29	Gain of realigned ditch	R5US2	+710	N/A	N/A	Gain of 0.41 acre
C	11	Loss of existing ditch	R4SB	445	650	0.34	
D	11	Loss of existing fish stream (#114-23-10199)	R2UB2	543	1400	0.24	
E	11	Gain of realigned fish stream (#114-23-10199)	R2UB2	+418	N/A	N/A	Gain of 0.22 acre
Total Project Impacts to Waters of the U.S.					4050	1.07	

Stream impacts would consist of fill in 0.24 acres of unnamed stream channel (Area D). The new unnamed stream channel constructed as part of this project would provide 0.22 acres of functional habitat (Area E). This would result in an overall loss of 0.02 acre of anadromous unnamed stream channel. See Table 1 and drawings for more detail.

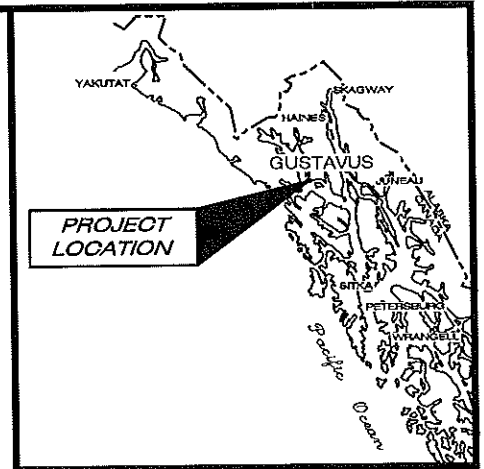
Ditch impacts would consist of fill in 0.34 acres of jurisdictional ditch along the northwest portion of the existing runaway (Area C), and 0.49 acres of unnamed jurisdictional ditch along the southeast portion of the existing runway which would be filled and placed into a culvert (Area A). See Table 1 and drawings for more detail. The two ditches do not support fish and are not considered anadromous. The two ditches would be considered jurisdictional because they carry water to the anadromous unnamed stream, prior to discharging to Icy Passage. The 0.34 acres of ditch that flows into the anadromous channel at the northwest portion of the existing runway would be permanently filled to accommodate the new RSA. The northwest ditch would be redirected into the new RSA ditch constructed as part of the project with a loss of 0.49 acres. The placement of a culvert and relocation of the unnamed ditch along the southeast portion of the runway would result in 0.41 acre of new ditch.

Overall, there would be a net impact of 1.07 acres to waters of the U.S.

The Riverine areas outlined in Table 1 that would be filled are of moderate value (Cowardin classifications - R4SB, R2UB2, and R5US2). The anadromous unnamed stream (R2UB2) would be restored to provide improved fish habitat, even though there would be a net loss of 125 linear feet. DOT&PF proposes an in-lieu fee ratio of 1.5 to 1 in accord with USACE Regulatory Guidance Letter 09-01. DOT&PF proposes a 1.5 to 1 ratio due to temporal loss of fish habitat while the stream re-vegetates and the banks stabilize. Total compensatory mitigation would be a purchase of in-lieu fee preservation credits for 1.07 acres.

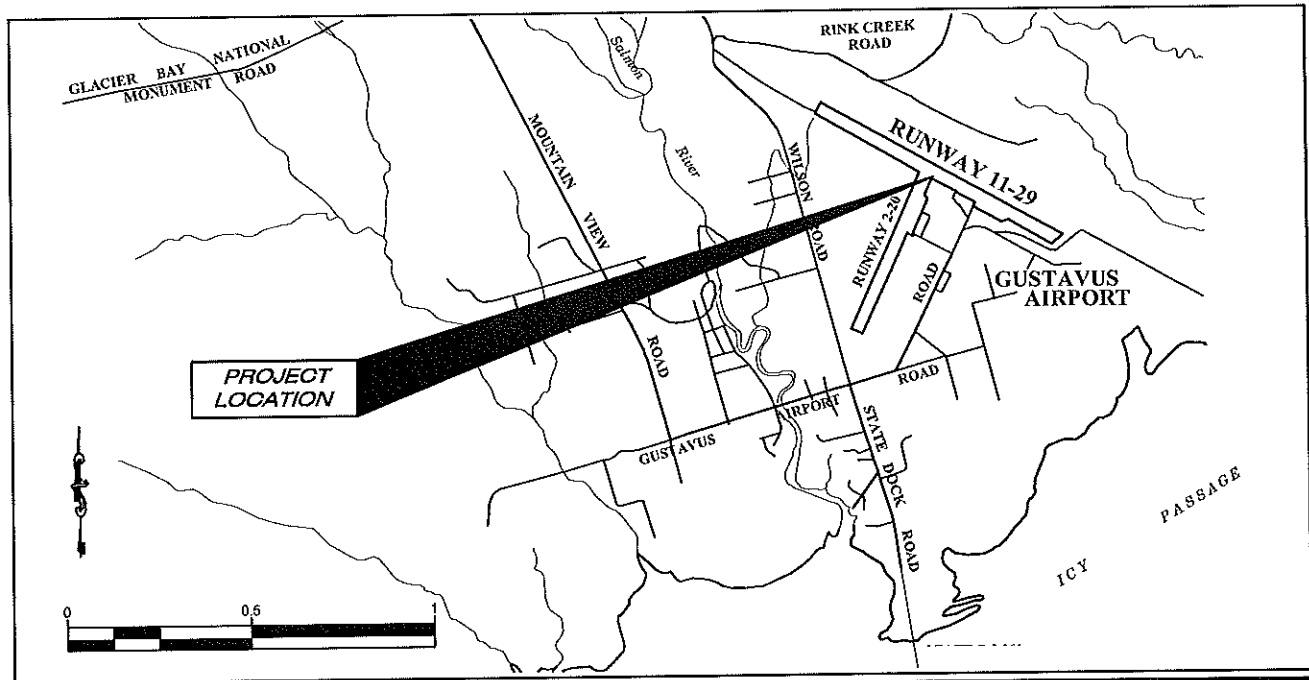


KEY MAP



REGION MAP

VICINITY MAP



NAME: ALASKA STATE DOT & PF

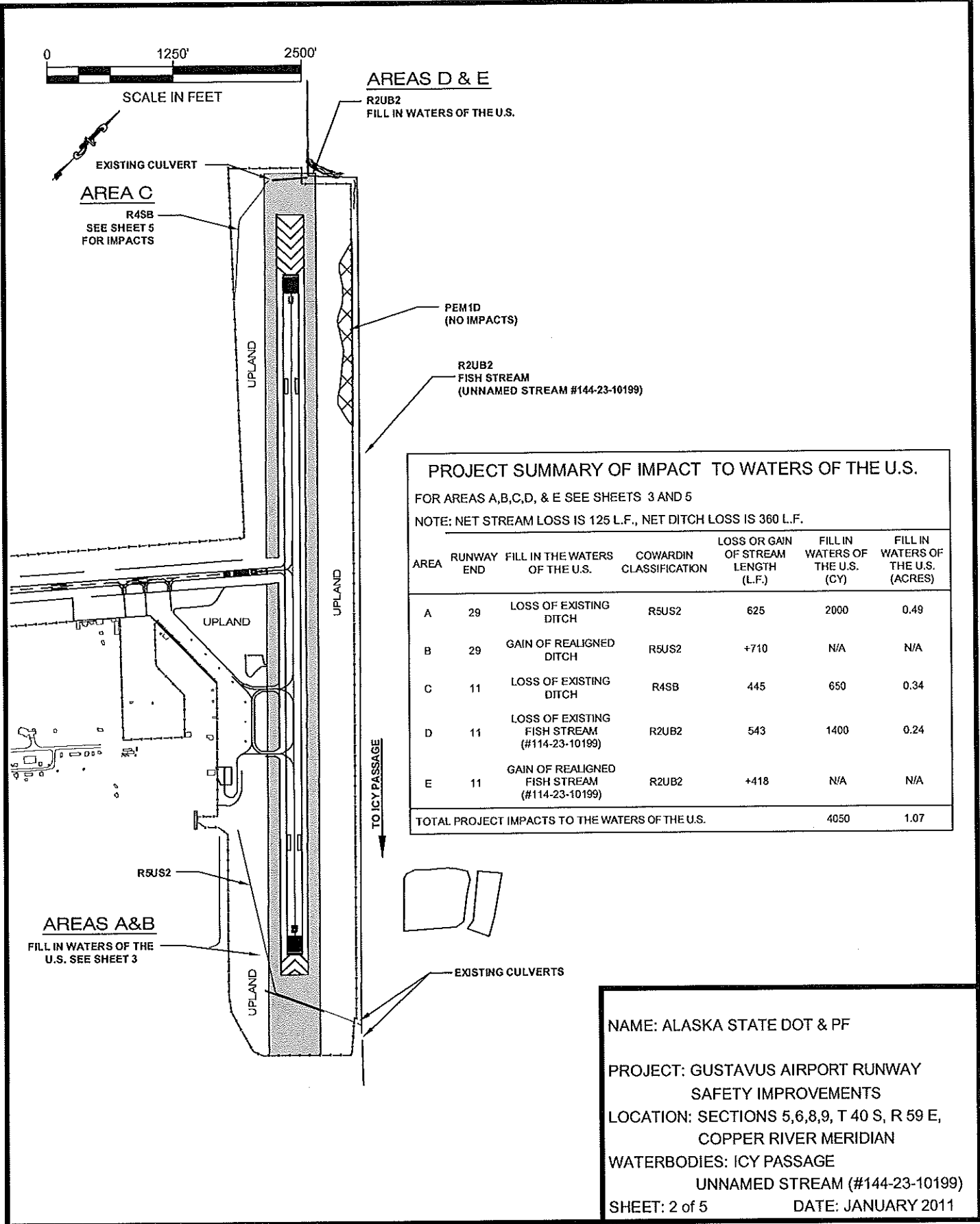
PROJECT: GUSTAVUS AIRPORT RUNWAY
SAFETY IMPROVEMENTS

LOCATION: SECTIONS 5,6,8,9, T 40 S, R 59 E,
COPPER RIVER MERIDIAN

WATERBODIES: ICY PASSAGE
UNNAMED STREAM (#144-23-10199)

SHEET: 1 of 5

DATE: JANUARY 2011



PROJECT SUMMARY OF IMPACT TO WATERS OF THE U.S.

FOR AREAS A,B,C,D, & E SEE SHEETS 3 AND 5

NOTE: NET STREAM LOSS IS 125 L.F., NET DITCH LOSS IS 360 L.F.

AREA	RUNWAY END	FILL IN THE WATERS OF THE U.S.	COWARDIN CLASSIFICATION	LOSS OR GAIN OF STREAM LENGTH (L.F.)	FILL IN WATERS OF THE U.S. (CY)	FILL IN WATERS OF THE U.S. (ACRES)
A	29	LOSS OF EXISTING DITCH	R5US2	625	2000	0.49
B	29	GAIN OF REALIGNED DITCH	R5US2	+710	N/A	N/A
C	11	LOSS OF EXISTING DITCH	R4SB	445	650	0.34
D	11	LOSS OF EXISTING FISH STREAM (#114-23-10199)	R2UB2	543	1400	0.24
E	11	GAIN OF REALIGNED FISH STREAM (#114-23-10199)	R2UB2	+418	N/A	N/A
TOTAL PROJECT IMPACTS TO THE WATERS OF THE U.S.					4050	1.07

NAME: ALASKA STATE DOT & PF

PROJECT: GUSTAVUS AIRPORT RUNWAY SAFETY IMPROVEMENTS

LOCATION: SECTIONS 5,6,8,9, T 40 S, R 59 E, COPPER RIVER MERIDIAN

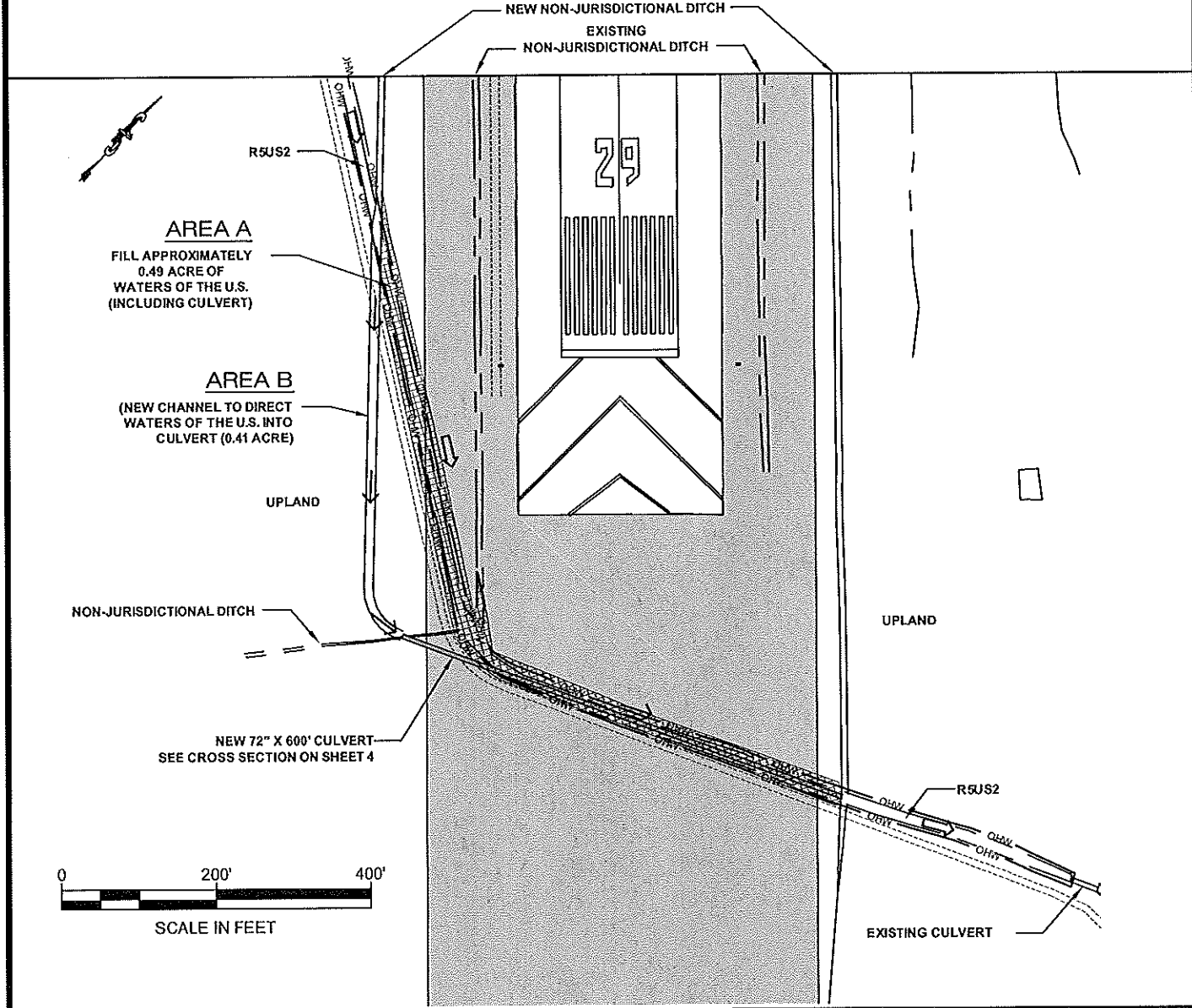
WATERBODIES: ICY PASSAGE
UNNAMED STREAM (#144-23-10199)

SHEET: 2 of 5 DATE: JANUARY 2011

- EXISTING FLOW DIRECTION
- PROPOSED FLOW DIRECTION
- FILL IN WATERS OF THE U.S.
- RSA EXPANSION AREA
- OHW- ORDINARY HIGH WATER

IMPACTED CHANNEL	
SHEET SUMMARY	
A	FILL IN WATERS OF THE U.S.
	2,000 CY
	0.49 ACRE
625 LINEAR FEET	

CONSTRUCTED CHANNEL	
SHEET SUMMARY	
B	NEW CHANNEL DIRECTING WATERS OF THE U.S.
	+0.41 ACRE
+710 LINEAR FEET	



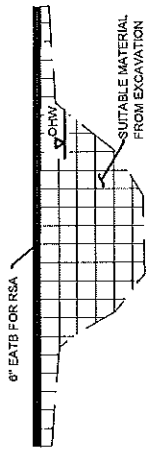
NAME: ALASKA STATE DOT & PF

PROJECT: GUSTAVUS AIRPORT RUNWAY SAFETY IMPROVEMENTS

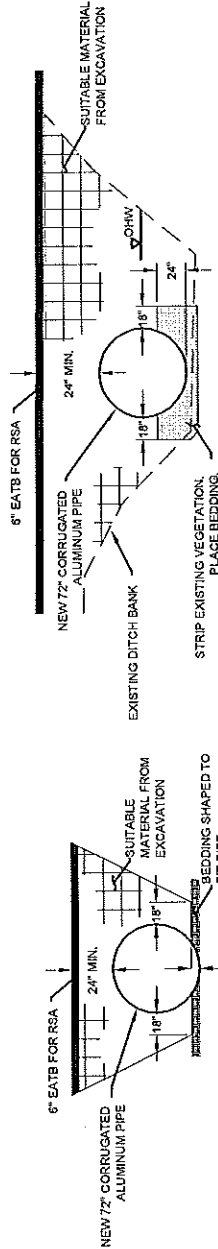
LOCATION: SECTIONS 5,6,8,9, T 40 S, R 59 E, COPPER RIVER MERIDIAN

WATERBODIES: ICY PASSAGE UNNAMED STREAM (#144-23-10199)

SHEET: 3 of 5 DATE: JANUARY 2011

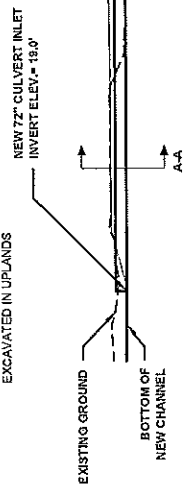


**TYPICAL SECTION OF EXISTING DITCH UNDER
RSA EXPANSION AREA AT RUNWAY END 29**

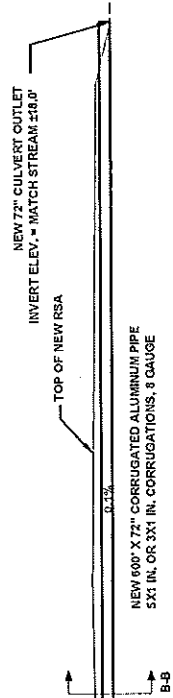


SECTION A-A

NOTE: THIS SECTION
EXCAVATED IN UPLANDS



SECTION B-B



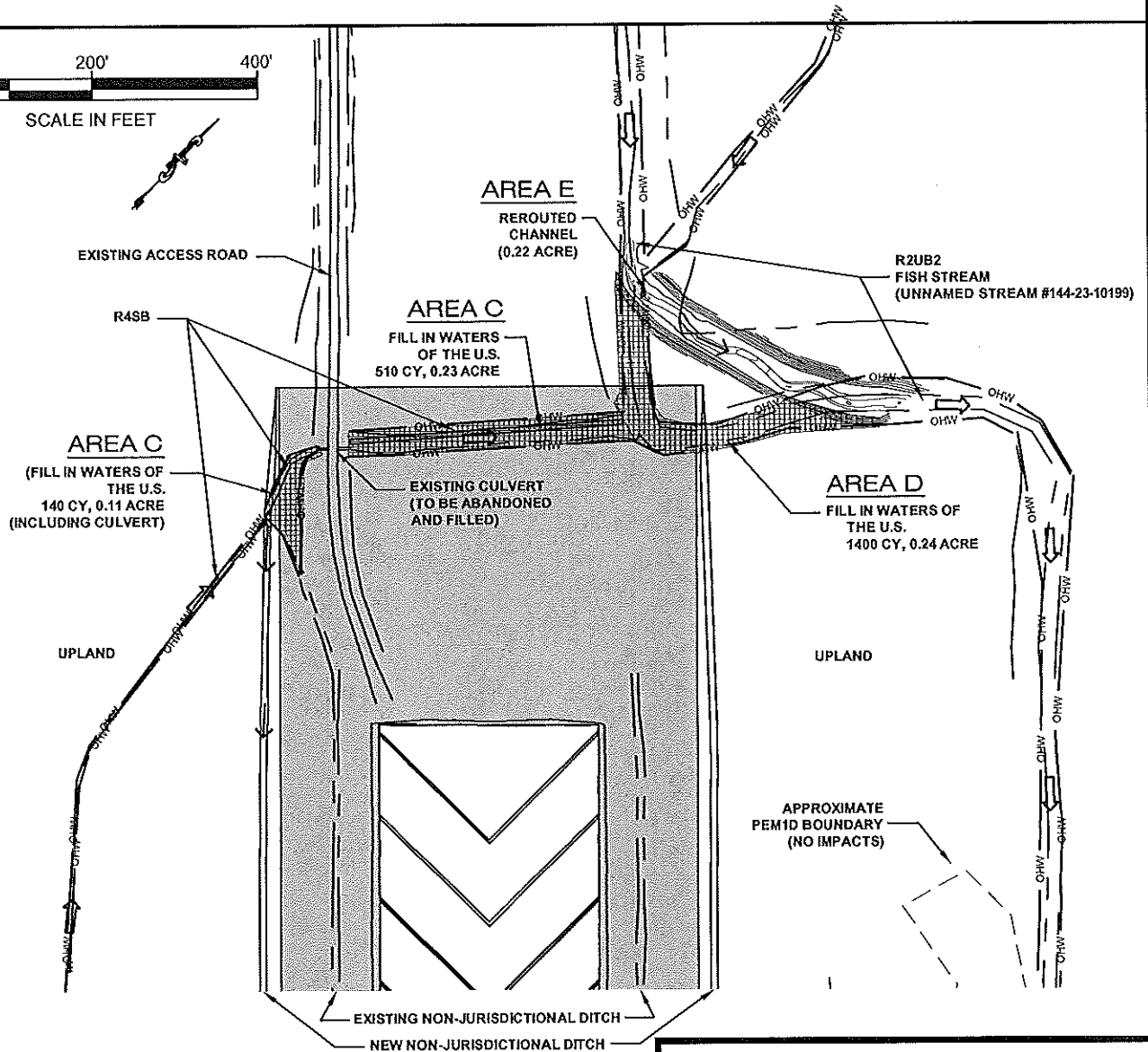
NEW 72" X 600' CULVERT PROFILE AND SECTION

NAME: ALASKA STATE DOT & PF
 PROJECT: GUSTAVUS AIRPORT RUNWAY
 SAFETY IMPROVEMENTS
 LOCATION: SECTIONS 5,6,8,9, T 40 S, R 59 E,
 COPPER RIVER MERIDIAN
 WATERBODIES: ICY PASSAGE
 UNNAMED STREAM (#144-23-10199)
 SHEET: 4 of 5 DATE: JANUARY 2011

- ⇒ EXISTING FLOW DIRECTION
- PROPOSED FLOW DIRECTION
- ▨ FILL IN WATERS OF THE U.S.
- RSA EXPANSION AREA
- OHW- ORDINARY HIGH WATER

IMPACTED CHANNEL		
SHEET SUMMARY		
C & D	FILL IN WATERS OF THE U.S.	2,050 CY
		0.58 ACRE
		988 LINEAR FEET

CONSTRUCTED CHANNEL	
SHEET SUMMARY	
E	REROUTED CHANNEL DIRECTING WATERS OF THE U.S.
	+0.22 ACRE
	+418 LINEAR FEET



FISH STREAM IMPACTS SUMMARY	
FISH STREAM LENGTH LOST	543 LINEAR FT
FISH STREAM LENGTH GAINED IN REROUTED CHANNEL	418 LINEAR FT
NET FISH STREAM LENGTH LOST	125 LINEAR FT

NAME: ALASKA STATE DOT & PF
 PROJECT: GUSTAVUS AIRPORT RUNWAY
 SAFETY IMPROVEMENTS
 LOCATION: SECTIONS 5,6,8,9, T 40 S, R 59 E,
 COPPER RIVER MERIDIAN
 WATERBODIES: ICY PASSAGE
 UNNAMED STREAM (#144-23-10199)
 SHEET: 5 of 5 DATE: JANUARY 2011



FH# _____
(Office Use Only)

ALASKA DEPARTMENT OF FISH AND GAME FISH HABITAT PERMIT APPLICATION SPECIFIC INSTRUCTIONS

NOTE: Provide as much information as possible. If you need assistance, please contact the nearest ADF&G Division of Habitat office. The ADF&G reserves the right to require additional information for the proper protection of fish and game.

Step A: Provide your name, address, and telephone number and the name, address, and telephone number of the contractor who will be doing the work, if known.

Step B: Describe the type of project (e.g., bridge, culvert, utility line placement, impoundment structure, bank stabilization, channelization, low water crossing, log removal, etc.) and the purpose of the project. A brief description of alternatives considered would be useful but is not required. Attach additional sheets as necessary. [Back to Form](#)

Step C: 1. Name of the waterbody in or adjacent to which the project will occur.
2. For Anadromous Stream numbers, refer to the [Atlas to the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes](#).

3. a. Provide plans (or field sketch) showing the following as a minimum: access to the site, plan view showing all project features and dimensions, or crossing/fording sites; material removal plans should also include, at a minimum, the following: 50' contour lines; nearby watercourses and lakes; location of facilities (i.e., screening, washing, and crushing plants, and commercial and private buildings); aliquot parts identified in order they are to be mined; site where fuel will be stored; a cross section view of the material site showing current land and water elevations and bank slopes and final excavation grades and slopes; and project expansion sites (scale no greater than 1 in. = 400 ft.)

b. Provide specifications, if available; and

c. Provide a current aerial photograph, if available. [Back to Form](#)

Step D: Indicate the time of year when project construction will occur. Is the project temporary or permanent?

Step E: 1. Provide information if applicable on how you will divert the stream.
2. Indicate if channelization will occur.
3. Provide information, if applicable, on how you will alter or modify the banks of the stream.
4. List all vehicles or equipment by type and size that will be used in the stream.
5. Provide information, if applicable, on what type and amount of material will be removed from the floodplain, bed, stream, or lake.
6. Provide information, if applicable, on any material you will deposit in the floodplain, stream, or lake.

July 2008

7. Provide information, if applicable, on any blasting you intend to do in the floodplain, stream, or lake.
8. Indicate if temporary fills will be required.
9. Indicate if ice bridges will be required.

Step F: What precautions will be taken to insure that fish and other aquatic organisms are protected from adverse impacts? Outline plan for restoring, rehabilitating, or re-vegetating the site if channel or bank alterations occur. What precautions will be taken to maintain State Water Quality Standards? [Back to Form](#)

Step G: Provide the waterbody characteristics at the site of the project.

Step H: Provide available hydraulic information for the types of projects indicated. For information on selecting a culvert size that will ensure fish passage, consult ADF&G permittees or references available at Division of Habitat offices.



FH# _____
(Office Use Only)

GENERAL WATERWAY/WATERBODY APPLICATION
ALASKA DEPARTMENT OF FISH AND GAME
Division of Habitat
Office Locations

A. APPLICANT

- Name: Alaska Department of Transportation and Public Facilities (DOT&PF), Jane Gendron
- Address (Mailing): 6860 Glacier Hwy
Email Address: jane.gendron@alaska.gov
Telephone: (907) 465-4499 Fax: _____
- Project Coordinator/Contractor:
Name: _____
Address: _____
Email Address: _____
Telephone: _____ Fax: _____

B. TYPE AND PURPOSE OF PROJECT: _____

The purpose of the Gustavus Airport Runway Safety Area (RSA) Improvements project is to expand the RSA to resolve safety and operational deficiencies identified in the Southeast Region Aviation System Plan (State of Alaska, 2008). The current RSA is deficient in both length and width. The DOT&PF selected a design that avoids impacts to anadromous streams to the maximum extent practicable. A RSA Practicability Study completed in 2005 (USKH, Inc.) identified the proposed action alternative as the only practicable alternative. New stream design will improve fish habitat and flood conveyance. The new stream would improve and create better stream habitat, and would provide improved water flow by steepening the gradient. This improved flow would improve fish movement and would ~~decrease fish mortality by reducing the number of days the stream goes dry in the summer.~~

C. LOCATION OF PROJECT SITE

- Name of River, Stream, or Lake: Unnamed Stream
or Anadromous Stream No: 144-23-10199
- Legal Description: Township 40S Range 59E
Meridian Copper Section 5, 6, 8, 9 USGS Quad Map Juneau B-6
River
- Plans, Specifications, and Aerial Photograph. See specific instructions

D. **TIME FRAME FOR PROJECT:** June 30, 2011 TO August 30, 2011 (mm/dd/yy)

E. **CONSTRUCTION METHODS:**

1. Will the stream be diverted? Yes No
Rerouted into a new constructed channel outside the RSA
How will the stream be diverted? through construction of a new stream channel.
How long? The existing channel would be permanently relocated.
2. Will stream channelization occur? Yes No
3. Will the banks of the stream be altered or modified? Yes No
Describe: Stream channel will be designed using natural stream channel design principles. See attached figures.
4. List all tracked or wheeled equipment (type and size) that will be used in the stream (in the water, on ice, or in the floodplain): backhoe, excavator, bobcat, skidsteer
How long will equipment be in the stream? 6 weeks maximum
5. a. Will material be removed from the floodplain, bed, stream, or lake? Yes No
Type: _____
Amount: _____
b. Will material be removed from below the water table? Yes No
If so, to what depth? 1.5 - 2.0 feet
Is a pumping operation planned? Yes No
6. Will material (including spoils, debris, or overburden) be deposited in the floodplain, stream, or lake? Yes No
If so, what type? Existing natural soil and substrate would be deposited into the existing channel.
Amount: 2,000 cubic yards
Disposal site location(s): Existing stream channel.
7. Will blasting be performed? Yes No
Weight of charges: _____
Type of substrate: _____
8. Will temporary fills in the stream or lake be required during construction (e.g., for construction traffic around construction site)? Yes No
A temporary coffer dam will be placed upstream and downstream of the new channel to keep stream flow out of the work area until stream work is completed.
9. Will ice bridges be required? Yes No

July 2008

F. SITE REHABILITATION/RESTORATION PLAN: On a separate sheet present a site rehabilitation/restoration plan. [See specific instructions](#) See attached figures - Stream Relocation, Gustavus Airport.

G. WATERBODY CHARACTERISTICS:

Width of stream: 9 feet Depth of stream or lake: 1.5 feet

Type of stream or lake bottom (e.g., sand, gravel, mud): sand

Stream gradient: 0.007-foot per foot grade slope

H. HYDRAULIC EVALUATION:

1. Will a structure (e.g., culvert, bridge support, dike) be placed below ordinary high water of the stream? Yes No

If yes, attach engineering drawings or a field sketch, as described in [Step B](#).

See attached figures - Stream Relocation, Gustavus Airport.

For culverts, attach stream discharge data for a mean annual flood (Q=2.3), if available.

If applicable, describe potential for channel changes and/or increased bank erosion:

Reduction in bank erosion is expected based on design.

2. Will more than 25,000 cubic yards of material be removed? Yes No

If yes, attach a written hydraulic evaluation including, at a minimum, the following: potential for channel changes, assessment of increased aufeis (glaciering) potential, assessment of potential for increased bank erosion.

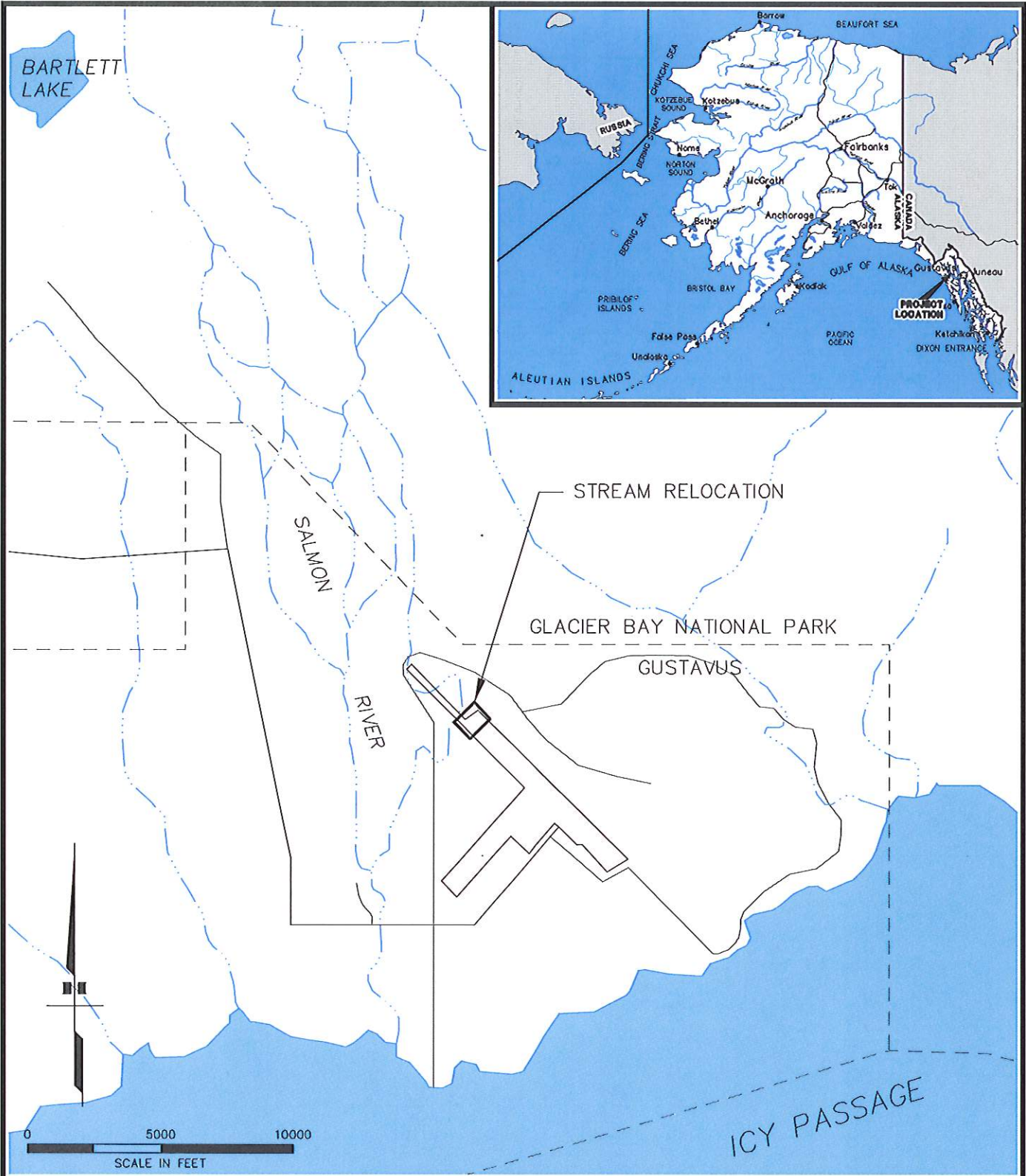
I HEREBY CERTIFY THAT ALL INFORMATION PROVIDED ON OR IN CONNECTION WITH THIS APPLICATION IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Signature of Applicant

2/25/11

Date



P:\Projects\DC0159\ENV\EA-GSTV\S.dwg 2011-1-6

VICINITY & SITE MAP

Sec 5,6,8,9

T40S, R 59E

Copper River Meridian, Alaska



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

PROJECT No 68287
GUSTAVUS AIRPORT RUNWAY
SAFETY AREA IMPROVEMENTS

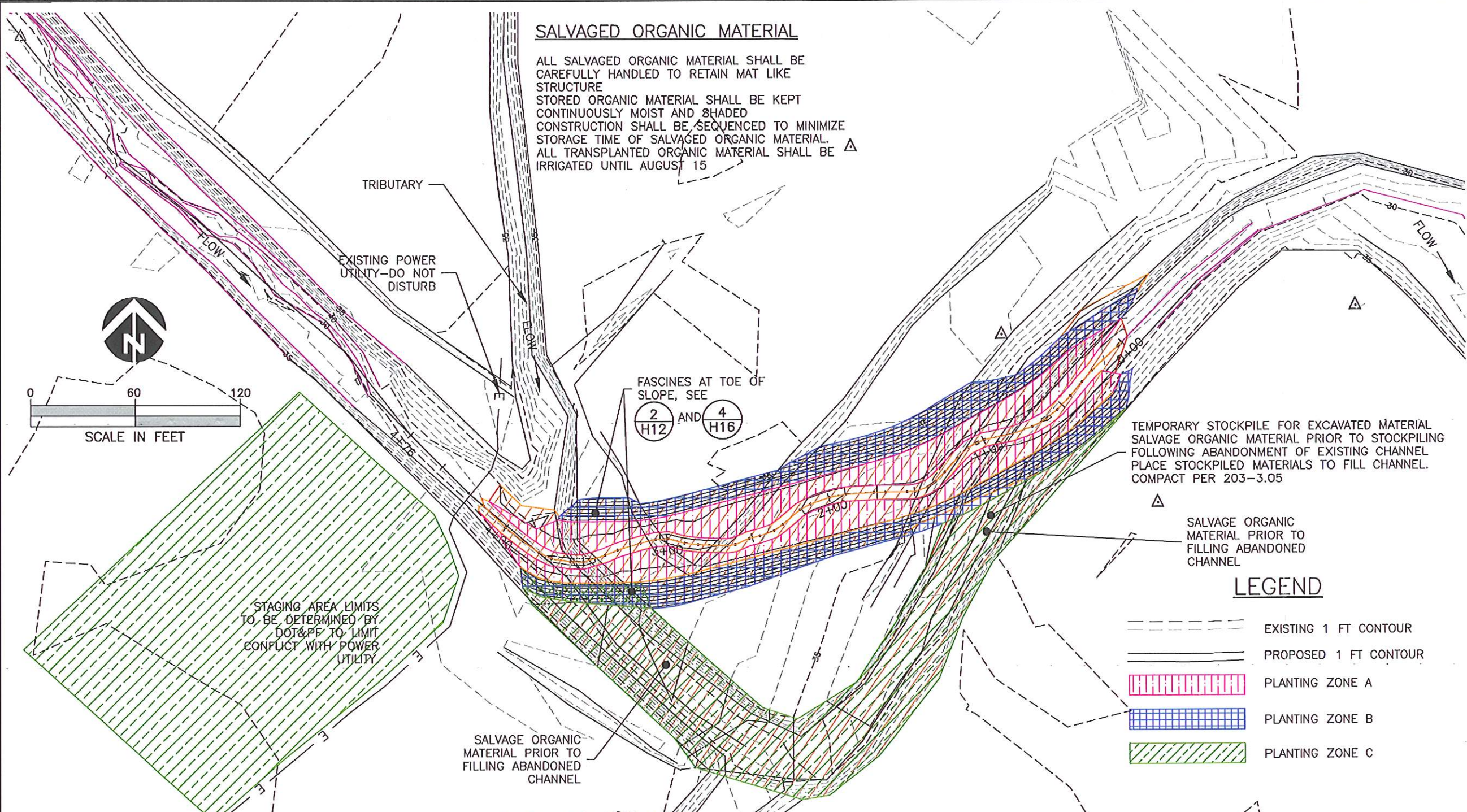
Gustavus, Alaska

DATE: 1/6/2011

FIGURE 1

SALVAGED ORGANIC MATERIAL

ALL SALVAGED ORGANIC MATERIAL SHALL BE CAREFULLY HANDLED TO RETAIN MAT LIKE STRUCTURE
 STORED ORGANIC MATERIAL SHALL BE KEPT CONTINUOUSLY MOIST AND SHADED
 CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE STORAGE TIME OF SALVAGED ORGANIC MATERIAL.
 ALL TRANSPLANTED ORGANIC MATERIAL SHALL BE IRRIGATED UNTIL AUGUST 15



Zone B and C Restoration Seed Mix
Seeding rate = 40 lbs/acre

Scientific Name	Common Name	Pure Live Seed % per lb.
<i>Festuca rubra</i>	Boreal Red Fescue	50
<i>Elymus glaucus</i>	Blue Wildrye	20
<i>Elymus arenarius</i>	Reeve beach Wildrye	20
<i>Deschampsia caespitosa</i>	Tufted hairgrass	10

Zone A Seed Mix
Seeding rate = 30 lbs/acre

Scientific Name	Common Name	Pure Live Seed % per lb.
<i>Beckmannia syzigachne</i>	American sloughgrass	50
<i>Elymus glaucus</i>	Blue wildrye	35
<i>Carex stichensis</i>	Sitka sedge	10
<i>Eleocharis palustris</i>	Spike rush	5

- Notes:
- Apply to constructed streambank and floodplain areas
 - Apply via broadcast seeding to be uniformly and evenly distributed.
 - Seed mix shall be well-mixed before and during application to ensure even distribution of all species.
 - Total acreage = .22 acres; total lbs = 6.6

- Notes:
- Apply to disturbed areas including the access road and staging area.
 - Apply via broadcast seeding to be uniformly and evenly distributed.
 - Seed mix shall be well-mixed before and during application to ensure even distribution of all species.
 - Total acreage = 1.28 acres; total lbs = 51.2 lbs

PLANTING ZONE A
SALVAGED AQUATIC AND UPLAND ORGANIC MATERIAL PLACED IN FES LIFT WITH PLANTINGS AT 5-FT CENTERS. REFER TO: (2/H16)

PLANTING ZONE B
SALVAGED UPLAND ORGANIC MATERIAL RESTRAINED WITH STAKES AND MANILA ROPE WITH PLANTINGS AT 7-FT CENTERS. REFER TO: (3/H16)

PLAN LEGEND

CHECKED BY: D. MILLER

PLANS DEVELOPED BY: INTER-FLUVE INC.

DESIGNED BY: D. MILLER

DRAWN BY: R. PHANEUF

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GUSTAVUS AIRPORT RUNWAY SAFETY AREA IMPROVEMENTS PROJECT #68287

PLAN VIEW
REVEGETATION

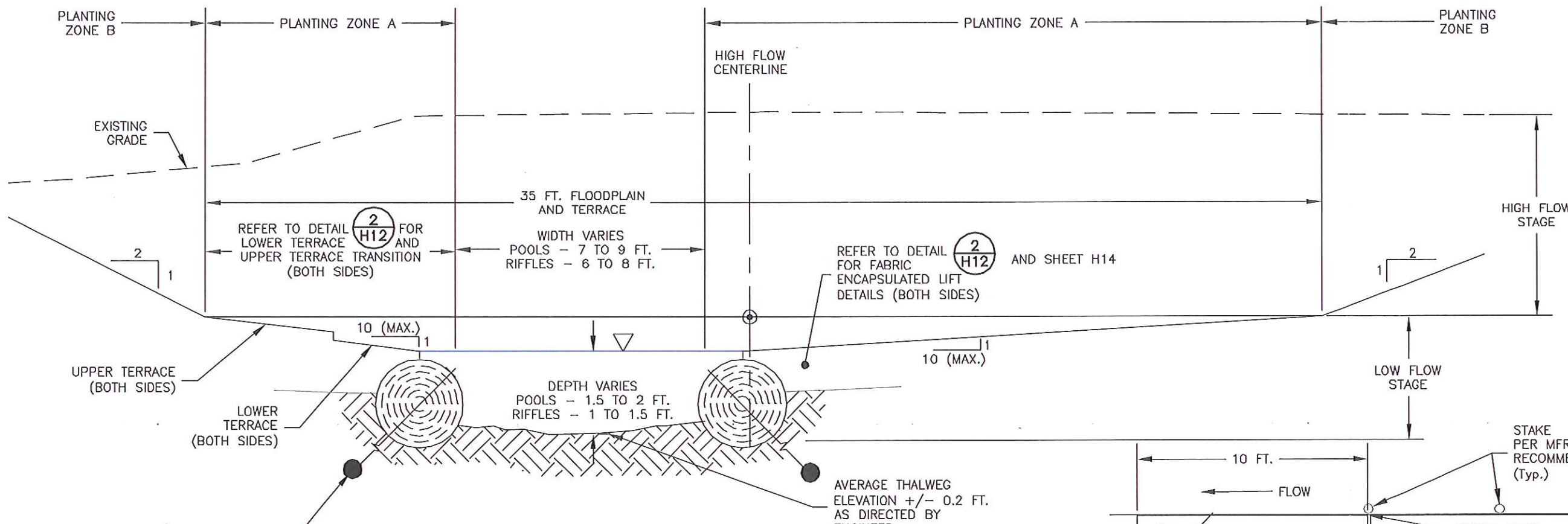
PROJECT DESIGNATION

3-02-0200-005-2010

STATE	YEAR
ALASKA	2010

Figure 2

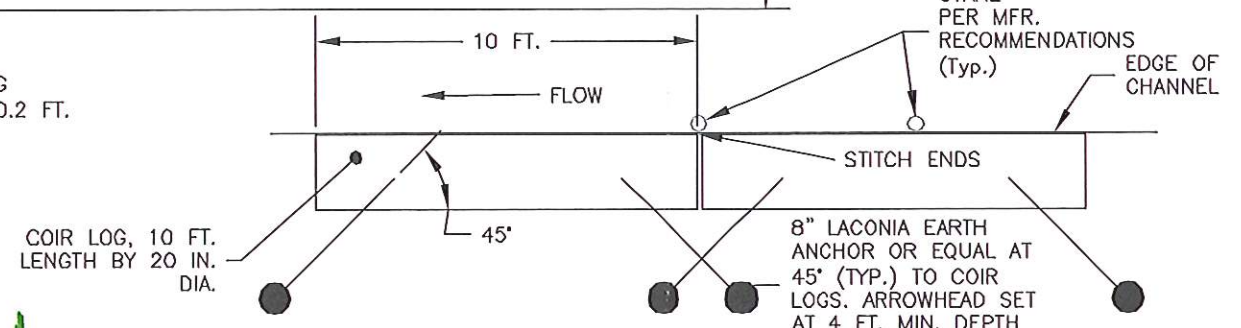
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



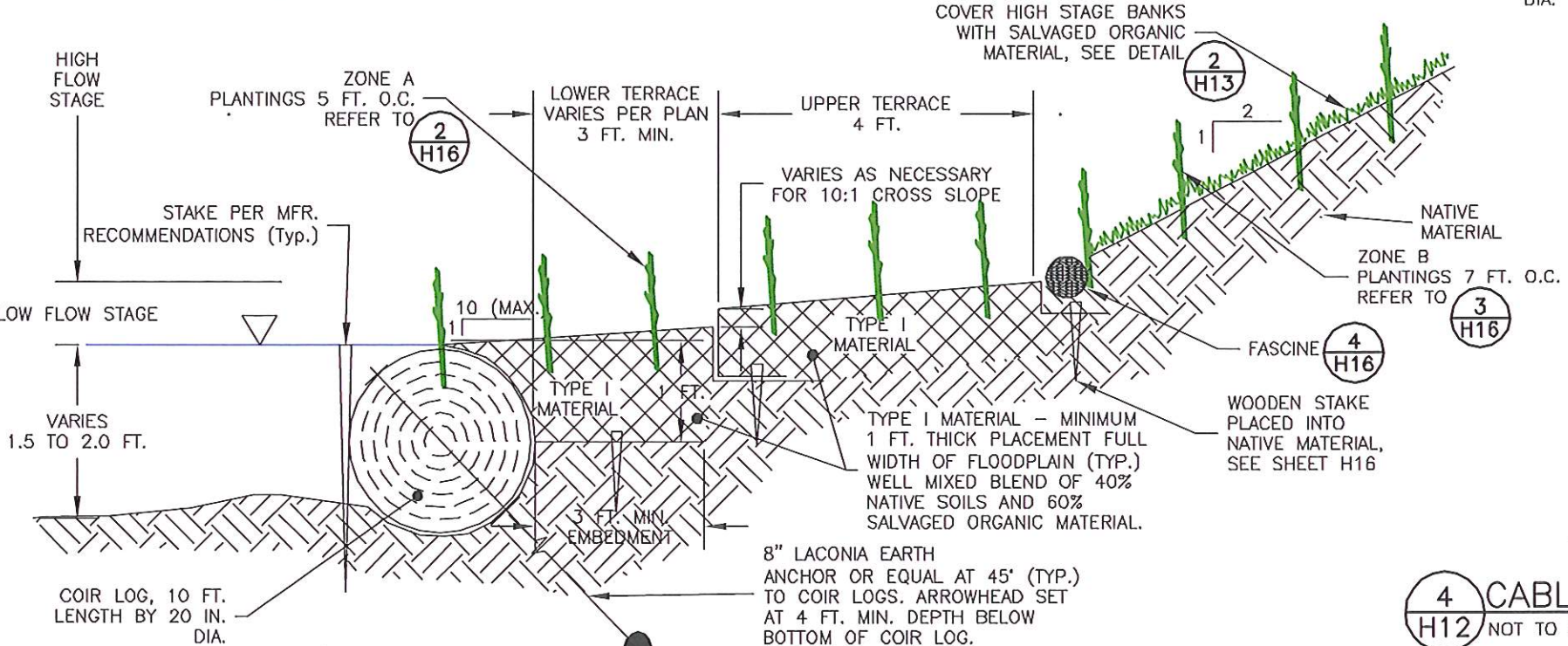
1 TYPICAL CROSS-SECTION OF THE STREAM
H12 NOT TO SCALE

NOTE:
 THE CONTRACTOR SHALL
 SUBMIT A CONSTRUCTION
 SEQUENCE PLAN FOR
 APPROVAL BY THE
 ENGINEER PRIOR TO
 STREAM CONSTRUCTION

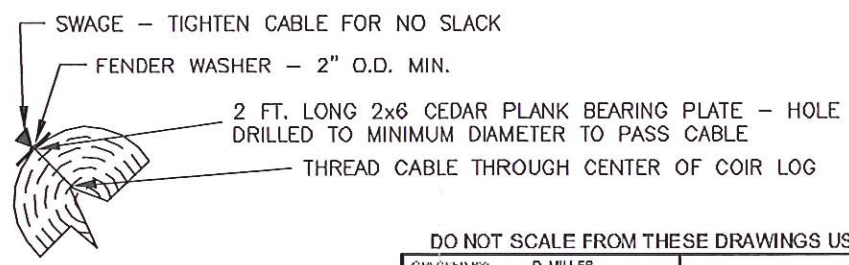
8" LACONIA EARTH ANCHOR OR EQUAL AT 45° (TYP.) TO COIR LOGS. ARROWHEAD SET AT 4 FT. MIN. DEPTH BELOW BOTTOM OF COIR LOG.



3 PLAN VIEW DETAIL - TYPICAL ENCAPSULATED SOIL LIFT WITH COIR LOG AT EDGE OF FLOOD PLAIN
H12 NOT TO SCALE



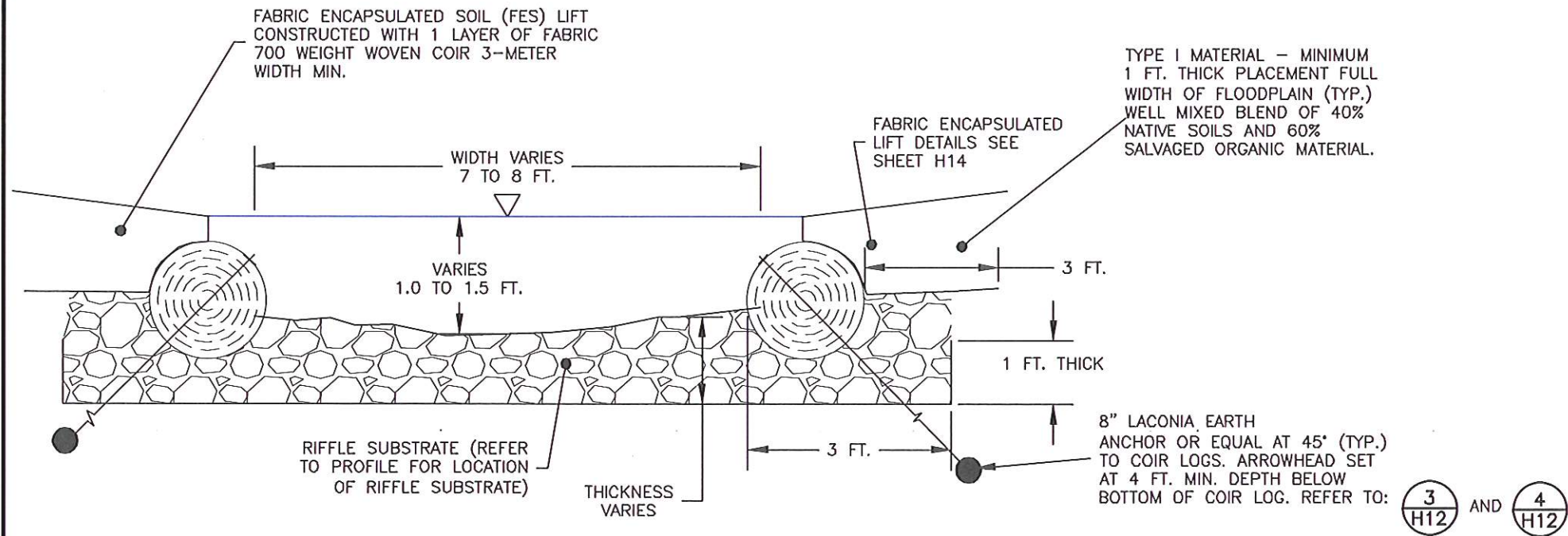
2 CROSS-SECTION DETAIL - TYPICAL ENCAPSULATED SOIL LIFT WITH COIR LOG AT EDGE OF FLOOD PLAIN
H12 NOT TO SCALE



4 CABLE END DETAIL
H12 NOT TO SCALE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

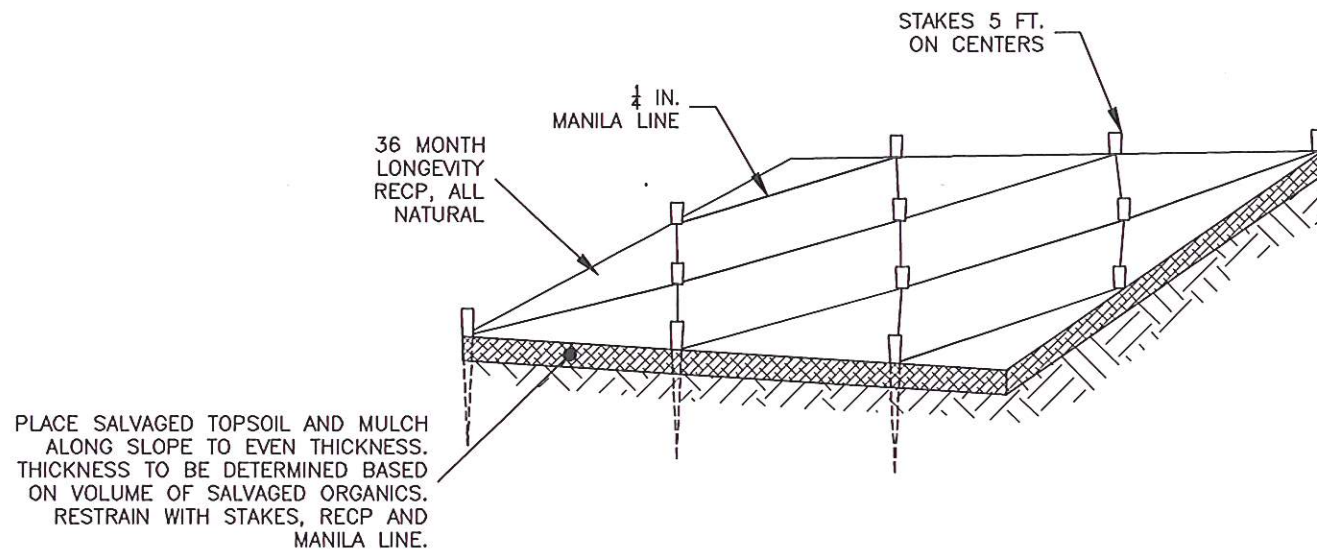
CHECKED BY: D. MILLER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES				
DESIGNED BY: D. MILLER	DESIGN & ENGINEERING SERVICES DIVISION/SEATTLE REGION				
DRAWN BY: R. PHANEUF	GUSTAVUS AIRPORT RUNWAY SAFETY AREA IMPROVEMENTS PROJECT #68287				
PLANS DEVELOPED BY: INTERLUVE BY:	TYPICAL DETAILS LOW FLOW CHANNEL				
PATH: G:\E-GUSTAVUS STREAM_CULVERT DESIGN_090224\DRAWINGS\GUSTAVUS BASE STREAM\022411.DWG	PROJECT DESCRIPTION				
TAB: F3 Monday, February 28, 2011 11:16:23 AM FLUVER	YEAR				
NO.	DATE	DESCRIPTION	PROJECT DESCRIPTION	YEAR	FIGURE 3
			3-02-0200-005-2010	2010	



1 CROSS-SECTION DETAIL - RIFFLE SUBSTRATE PLACEMENT
H13 NOT TO SCALE

NOTES:

1. STAKES SHALL BE 2 IN. DIAMETER (MIN.) BY 4 FT. LONG (MIN.) SOUND TRUNK OR BRANCH MATERIAL.
2. DRIVE STAKE THROUGH RECP 2 FT. INTO GROUND.
3. TIE MANILA LINE BY CLOVE HITCH TO STAKE 1FT. ABOVE GROUND WITH EVEN TENSION ON ALL LINES.
4. DRIVE STAKES INTO GROUND TO RESTRAIN RECP AND MULCH SNUGLY TO GROUND.



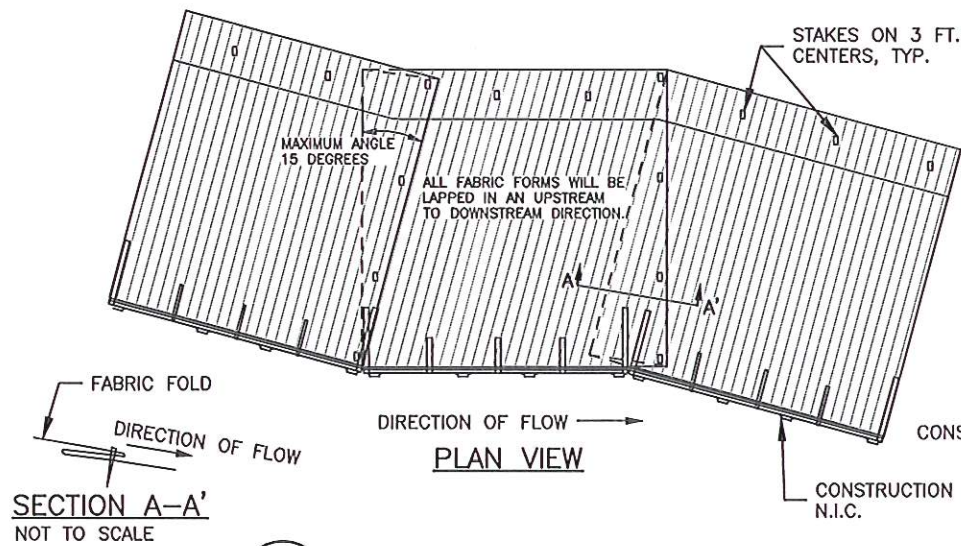
2 DETAIL - ORGANIC MATERIAL
H13 MULCHING OF ZONE B BANKS
 NOT TO SCALE

ZONE B PLANTINGS 7 FT. O.C.
 REFER TO: (3/H16)

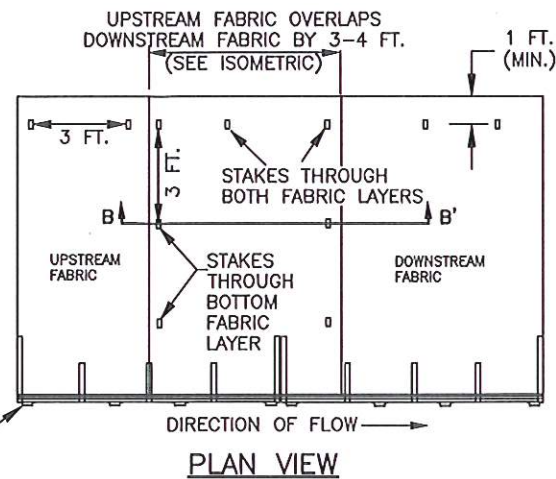
PLACE FASCINE AT TOE OF SLOPE AS SHOWN ON DETAIL (2/H12) AND (4/H16)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

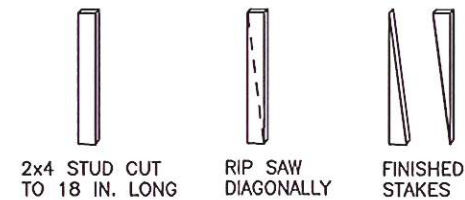
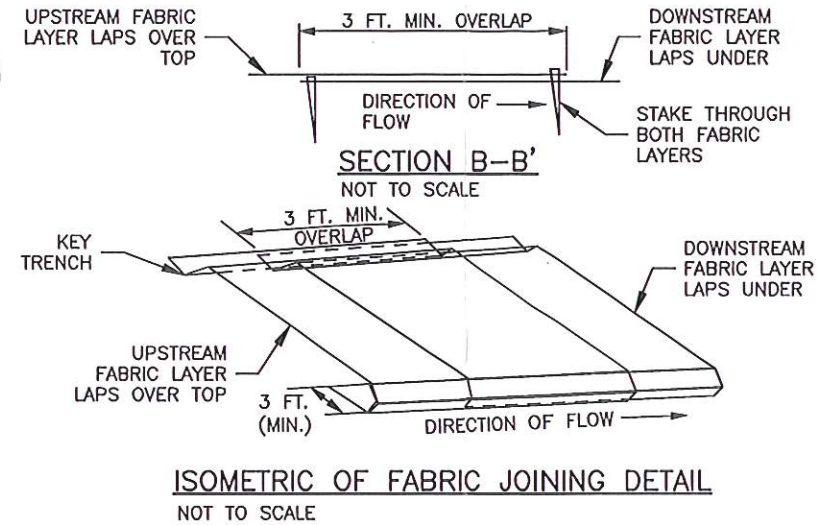
CHECKED BY: D. MILLER		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION	
PLANS DEVELOPED BY: INTERFLUVE INC.		GUSTAVUS AIRPORT RUNWAY SAFETY AREA IMPROVEMENTS PROJECT #68287	
DESIGNED BY: D. MILLER		TYPICAL DETAILS LOW FLOW CHANNEL	
DRAWN BY: R. PHANEUF		PATH: G:\E-HGUSTAVUS STREAM_CULVERT DESIGN_090224\DRAWINGS\GUSTAVUS BASE STREAM 022411.DWG	
TAB: F4 Monday, February 28, 2011 11:17:41 AM FLUVER		PROJECT DESIGNATION YEAR	
NO.	DATE	DESCRIPTION	3-02-0200-005-2010 2010
			FIGURE 4



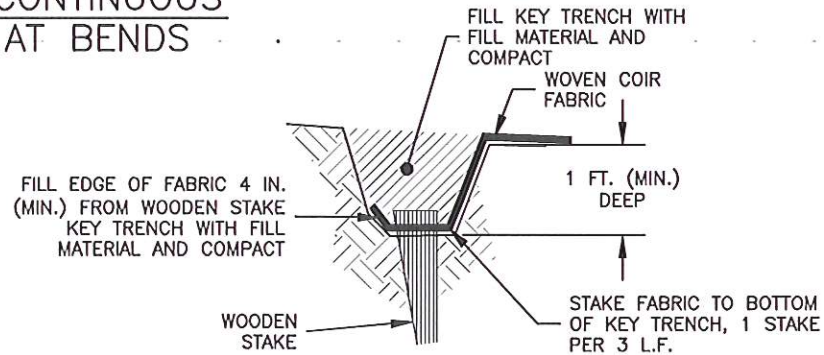
1 FOLDING OF CONTINUOUS H14 COIR FABRIC AT BENDS NOT TO SCALE



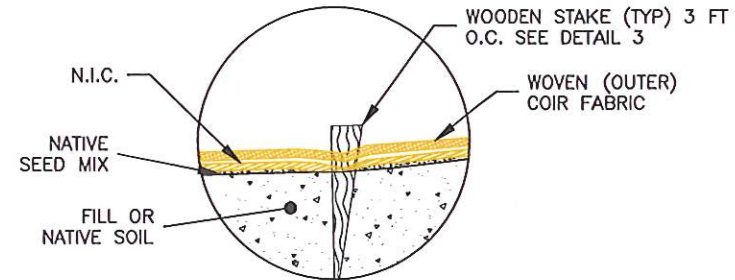
2 FABRIC JOINING DETAILS H14 NOT TO SCALE



3 WOODEN STAKE FABRICATING DETAILS H14 NOT TO SCALE



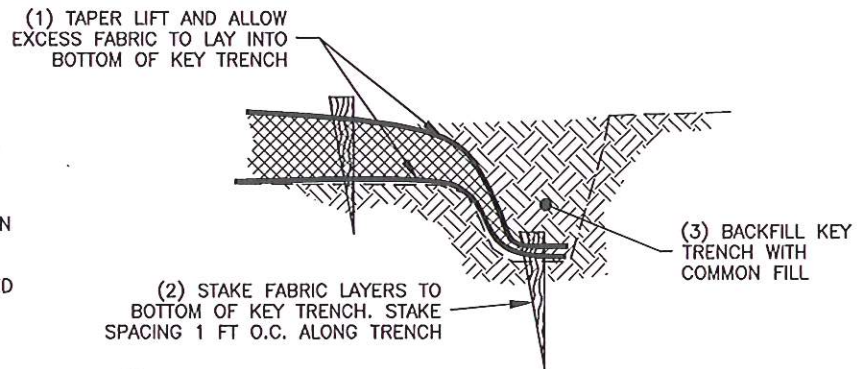
4 KEY TRENCH DETAIL H14 TRENCH INTO SOIL NOT TO SCALE



5 TYPICAL DETAIL BIODEGRADABLE FABRICS AND STAKES H14 NOT TO SCALE

GENERAL NOTES ON SECURING COIR FABRIC

1. SECURE THE BANK SIDE EDGE AND FIELD AREAS OF THE OUTER FABRIC (WOVEN), WITH A WOODEN STAKE THROUGH THE FABRIC ON 3 FOOT CENTERS (SEE DETAIL VIEWS 1&2). NOTE: THE HOLES FOR STAKES SHALL NOT BE PRECUT. ALLOW THE STAKE TO BREAK THE MINIMUM NUMBER OF STRANDS AS IT IS BEING DRIVEN. DRIVE STAKES SO THAT 2" TO 3" OF THE TOP OF STAKE IS LEFT EXPOSED.
2. FABRICATE THE WOODEN STAKES BY CUTTING 2x4 STUDS INTO 2 FOOT LENGTHS AND THEN RIPPING THE LENGTHS DIAGONALLY TO CREATE A TAPERED END. SEE STAKE FABRICATION DETAIL ON THIS SHEET.
3. FORMS MAY BE ANGLED TO CREATE BENDS IN THE LIFTS AS NEEDED. FABRIC SHALL BE FOLDED AT EACH BEND AS SHOWN IN DETAIL 1. NO BEND SHALL EXCEED A 15 DEGREE ANGLE. FOLDS SHALL BE MADE IN AN UPSTREAM TO DOWNSTREAM DIRECTION. STAKE THE FOLDS AS SHOWN IN SECTION A-A'.
4. OUTER FABRIC ENDS SHALL BE JOINED BY LAPPING THE UPSTREAM PIECE OF FABRIC OVER THE DOWNSTREAM PIECE AS SHOWN IN DETAIL 2. OVERLAPS SHALL BE A MINIMUM OF 3 FEET. INNER FABRIC ENDS SHALL BE BUTTED TOGETHER, NOT OVERLAPPED. OVERLAPS SHALL BE STAGGERED FROM LIFT TO LIFT BY A MINIMUM AS DIRECTED BY ENGINEER.



6 FES TERMINATION DETAIL AT UPSTREAM H14 END OF BANK STABILIZATION NOT TO SCALE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. MILLER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION		
GUSTAVUS AIRPORT RUNWAY SAFETY AREA IMPROVEMENTS PROJECT #68287			
TYPICAL DETAILS FES LIFT			
PLANS DEVELOPED BY: INTER-FLUVE INC.	PROJECT DESIGNATION		
DESIGNED BY: D. MILLER	YEAR		
DRAWN BY: R. PHANEUF	YEAR		
PATH: C:\USERS\FLUVER\DESKTOP\GUSTAVUS BASE STREAM 101510.DWG			
TAB: H14 Tu day, O o r 26, 2010 :17:37 AM FLUVER			
NO.		REVISIONS	
DATE	DESCRIPTION		YEAR
			2010
3-02-0200-005-2010			Figure 5

Coastal Project Questionnaire and Certification Statement

The Coastal Project Questionnaire (CPQ) is a diagnostic tool that will identify the state and federal permit requirements for your project that are subject to a consistency review. You must answer all questions. If you answer "Yes" to any of the questions, please call that specific department for further instructions to avoid delay in processing your application. You can find an agency contact list online at <http://alaskacoast.state.ak.us/Contacts/PRCregcont.html>.

A complete project packet includes accurate maps and plan drawings at scales large enough to show details, copies of your state and federal permit applications, your answers to this questionnaire, and a complete consistency evaluation. DCOM will notify you within 21 days of receipt if the packet is incomplete and what information is still required.

For additional information or assistance, you may call or email the Juneau Project Review at (907) 465-2142, or the Anchorage Project Review at (907) 269-7478. This CPQ document contains numerous hyperlinks (underlined text that has a connection to an internet web page) and is best viewed on-line. Additional instructions are available at <http://www.alaskacoast.state.ak.us/Projects/pcpq.html>

■ APPLICANT INFORMATION

1. Alaska Department of Transportation & Public Facilities (DOT&PF), Jane Gendron

Name of Applicant 6860 Glacier Hwy	
Address Juneau, Alaska 99811-2506	
City/State/Zip (907) 465-4499	
Daytime Phone jane.gendron@alaska.gov	
Fax Number	E-mail Address

2.

Agent (or responsible party if other than applicant)	
Address	
City/State/Zip	
Daytime Phone	
Fax Number	E-mail Address

■ PROJECT INFORMATION

- | | | |
|---|--------------------------|--------------------------|
| 1. This activity is a: <input checked="" type="checkbox"/> new project <input type="checkbox"/> modification or addition to an existing project | Yes | No |
| 2. If this is a modification or an addition, do you currently have any State, federal or local approvals for this activity? | <input type="checkbox"/> | <input type="checkbox"/> |

N/A, Question #2 does not apply.

NOTE: Approval means any form of authorization. If "yes," please list below:

Approval Type	Approval #	Issuance Date	Expiration Date

3. If this is a modification, was this original project reviewed for consistency with the Alaska Coastal Management Program?

N/A, Question #3 does not apply.

Previous ACMP I.D. Number: _____ (example: AK 0706-05AA or ID2004-0505JJ)

Previous Project Name: _____ Previous Project Applicant: _____

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

■ PROJECT DESCRIPTION

Attach a complete and detailed narrative description of your new project or of your modification/addition including ALL associated facilities and changes to the current land or water use (if not already attached as part of an agency application). Clearly delineate the project boundaries and all property owners, including owners of adjacent land, on the site plan. The scale of the maps and plan drawings must be large enough to show pertinent details. Identify your proposed footprint or disturbed area. If this project is a modification to an approved project, identify existing facilities and proposed changes on the site plan.

Proposed starting date for project: Spring 2011 Proposed ending date for project: Summer 2012

■ PROJECT LOCATION and LAND OWNERSHIP

Yes No

4. Describe/identify the project location on a map (Including nearest community, the name of the nearest land feature or body of water, and other legal description such as a survey or lot number).

Township 40S Range 59E Section 5,6,8,9 Meridian Copper River
 Latitude/Longitude 58.426° / 135.707° Decimal Degrees
 USGS Quad Map Juneau B-6

5. The project is located on: State land or water* Federal land Private land Municipal land
 (Check all that apply) Mental Health Trust land University of Alaska land

Contact the applicable landowner(s) to obtain necessary authorization. State land ownership can be verified using Alaska Mapper. *State land can be uplands, tidelands or submerged lands to 3 miles offshore.

6. Is the project within or associated with the Trans Alaska Pipeline corridor? Yes No

■ COASTAL DISTRICT

Yes No

7. Is the project located in a coastal district? Yes No

If yes, identify the applicable coastal district(s) Gustavus is a coastal community located outside of a coastal district, and falls under the "Southeast Alaska Outside of Coastal Districts" as described in the District Coastal Zone Boundaries.

and contact them to ensure your project conforms with district policies and zoning requirements. Coastal districts are a municipality or borough, home rule or first class city, second class municipality with planning powers, or coastal resource service area. A coastal district is a participant in the State's consistency review process. Early interaction with the district can benefit you significantly; please contact the district representative listed on the contact list at <http://www.alaskacoast.state.ak.us/Contacts/PRCregcont.html>

■ DEPARTMENT OF NATURAL RESOURCES (DNR) APPROVALS

DNR DIVISION OF MINING, LAND & WATER- LAND SECTION

Yes No

1. Is the proposed project on State-owned land or water or will you need to cross State-owned land for access? (NOTE: State land includes the land below the ordinary high water line of navigable streams, rivers and lakes, and in marine waters, below the mean high tide line seaward for three miles. State land does not include Alaska Mental Health Trust Land or University of Alaska Land.) Yes No

2. If you answered yes to the question above, indicate the person you contacted at the appropriate Division of Mining, Land and Water regional office for information.

a) Name/date of Contact: Kristen Dirks, 12/17/10, (907) 465-3511

b) Is an application required for the proposed activity? Yes No

c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: Ms. Dirks responded that no DNR authorization is needed.

DNR DIVISION OF MINING, LAND & WATER- MATERIALS SECTION

Yes No

3. Do you plan to dredge or otherwise excavate or remove materials such as rock, sand, gravel, peat, or overburden from any land regardless of ownership? Yes No

a) Location of excavation site if different than the project site: _____

Township _____ Range _____ Section _____ Meridian _____

4. At any one site (regardless of land ownership), do you plan any of the following? Yes No

Excavate five or more acres over a year's time

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

- Excavate 50,000 cubic yards or more of materials (rock, sand, gravel, soil, peat, overburden, etc.) over a year's time
- Have a cumulative, un-reclaimed, excavated area of five or more acres
5. Do you plan to place fill or excavated material on State-owned land?
- a) Location of fill or material disposal site if different than the project site: _____
 Township _____ Range _____ Section _____ Meridian _____
6. If you answered yes to any question above, indicate the person you contacted at the appropriate Division of Mining, Land and Water regional office for information.
- a) Name/date of Contact: Kristen Dirks, 12/17/10, (907) 465-3511
- b) Is an application required for the proposed activity?
- c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: Ms. Dirks responded that no DNR authorization is needed.

DNR DIVISION OF MINING, LAND & WATER- MINING SECTION

- | | | |
|---|--------------------------|-------------------------------------|
| | Yes | No |
| 7. Do you plan to mine for locatable minerals such as silver, gold, or copper? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. Do you plan to explore for or extract coal? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9. If you answered yes to any question above, indicate the person you contacted at the appropriate <u>Division of Mining, Land and Water</u> regional office for information. | | |
| a) Name/date of Contact: _____ | | |
| b) Is an application required for the proposed activity? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: _____ | | |

DNR DIVISION OF MINING, LAND & WATER- WATER SECTION

- | | | |
|---|-------------------------------------|-------------------------------------|
| | Yes | No |
| 10. Will this project or development divert, impound, withdraw, or use any fresh water (regardless of land ownership)?
(NOTE: If you know of other water users who withdraw from the same source or any potential conflicts affecting this use of water, contact the Water Section. If you are obtaining water exclusively from either an existing Public Water Supply or from a rainwater catchment system, you are not required to contact the DNR Water Section regional office.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| a) Check all points-of-withdrawal or water sources that apply: | | |
| <input type="checkbox"/> Public Water system (name): _____ | | |
| <input checked="" type="checkbox"/> Stream or Lake (name): <u>unnamed stream #144-23-10199</u> | | |
| <input type="checkbox"/> Well | | |
| <input type="checkbox"/> Rain catchment system | | |
| <input type="checkbox"/> Other: _____ | | |
| b) Intended use(s) of water: <u>diversion</u> | | |
| c) Amount (maximum daily, not average, in gallons per day): _____ | | |
| d) Is the point of water withdrawal on property you own? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 11. Do you plan to build or alter a dam (regardless of land ownership)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. If you answered yes to any question above, indicate the person you contacted at the appropriate <u>Division of Mining, Land and Water</u> regional office for information. | | |
| a) Name/date of Contact: <u>Dan Bussard, 12/20/10</u> | | |
| b) Is an application required for the proposed activity? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: <u>A DEC APDES Permit would be required, but none from DNR.</u> | | |

DNR DIVISION OF FORESTRY

- | | | |
|---|--------------------------|-------------------------------------|
| | Yes | No |
| 13. Does your operation meet both of the following criteria on any land, regardless of ownership? | | |
| a) The project will commercially harvest timber on 10 or more acres, or commercially harvest timber that intersects, encompasses, or borders on surface waters, and | | |
| b) The project involves one or more of the following: site preparation, thinning, slash treatment, construction and maintenance of roads associated with a commercial timber harvest, or any other activity leading to or connected to a commercial timber harvest operation..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

14. If you answered yes to any question above, indicate the person you contacted at the appropriate Division of Forestry regional office for information.

a) Name/date of Contact: _____

b) Is an application required for the proposed activity?

c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: No timber will be harvested. No proposed activity will lead to a timber harvest.

DNR DIVISION OF OIL & GAS

Yes No

15. a) Will you be exploring for or producing oil and/or gas?

b) Will you conduct surface use activities on/within an oil and gas lease or unit?

If yes, please specify: _____

16. Do you plan to drill a geothermal well (regardless of land ownership)?

17. If you answered yes to any question above, indicate the person you contacted at the appropriate Division of Oil & Gas office for information.

a) Name/date of Contact: _____

b) Is an application required for the proposed activity?

c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: _____

Visit the Division of Oil & Gas website for application forms and additional information.

DNR OFFICE OF HISTORY & ARCHAEOLOGY

Yes No

18. Will you investigate, remove, or impact historical, archaeological or paleontological resources (anything over 50 years old) on State-owned land?

19. If you answered yes to the question above, indicate the person you contacted at the State Historic Preservation Office for information.

a) Name/date of Contact: Judith Bittner, SHPO. Received concurrence of a Finding Of Adverse Effect December 15, 2010 (attached).

DNR DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

Yes No

20. Is the proposed project located within a natural hazard area designated by a coastal district in the approved district plan? (Refer to the district plan or contact the coastal district office.)

a) If "yes", describe the measures you will take in the siting, design, construction, and operation of the proposed activity to protect public safety, services, and the environment from potential damage caused by the designated natural hazard(s) in the Natural Hazards portion of the attached Coastal Consistency Evaluation (11 AAC 112.210).

21. If you have contacted someone, please indicate the person you contacted at the Coastal District or the State for information. The Division of Geological & Geophysical Survey may have additional information on hazards for the area.

a) Name/date of Contact: _____

DNR DIVISION OF PARKS & OUTDOOR RECREATION

Yes No

22. Is the proposed project located in a unit of the Alaska State Park System including navigable waters, tidelands or submerged lands to three miles offshore?

23. If you answered yes to any question above, indicate the person you contacted at the appropriate DNR Division of Parks & Recreation office for information.

a) Name/date of Contact: _____

b) Is an application required for the proposed activity?

c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: _____

DNR APPROVALS

List the Department of Natural Resources permits or authorizations required for your project below:

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

Types of project approvals or permits needed.	Date application submitted

■ DEPARTMENT OF FISH AND GAME (DFG) APPROVALS

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Is your project located in a designated State Game Refuge, Critical Habitat Area or State Game Sanctuary? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Does your project include construction/operation of a salmon hatchery? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Does your project affect, or is it related to, a previously permitted salmon hatchery? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Does your project include construction of an aquatic farm? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Will you work in, remove water or material from, or place anything in, a stream, river or lake? <i>(NOTE: This includes work or activities below the ordinary high water mark or on ice, in the active flood plain, on islands, in or on the face of the banks, or, for streams entering or flowing through tidelands, above the level of mean lower low tide. If the proposed project is located within a special flood hazard area, a municipal floodplain development permit may be required. Contact the affected city or borough planning department for additional information and a floodplain determination.)</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| a) If yes, name of waterbody: <u>Unnamed Stream #144-23-10199</u> | | |
| 6. If you answered yes to any questions above, indicate the person you contacted at the appropriate <u>Department of Fish and Game</u> office for information. <i>(For projects involving Hatcheries or Aquatic Farms, please contact the <u>Division of Commercial Fisheries</u>. Other projects should contact the <u>Division of Habitat</u>.)</i> | | |
| a) Name/date of Contact: <u>Jackie L. Timothy, 12/18/10</u> | | |
| b) Is an application required for the proposed activity? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: <u>Jackie Timothy responded that a Title 16 Permit will be required</u> | | |

DFG APPROVALS

List the Department of Fish and Game permits or authorizations required for your project below:

Types of project approvals or permits needed.	Date application submitted
ADF&G Title 16 Fish Habitat Permit	To be submitted concurrent with this CPQ.

■ DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) APPROVALS

DEC DIVISION OF WATER

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1 a) Will a discharge of non-domestic wastewater to lands, waters, or the subsurface of the state occur? <i>(NOTE: Non-domestic wastewater includes wastewater from commercial or industrial facilities, excavation projects, wastewater from man-made containers or containment areas, or any other non-domestic wastewater disposal activities see 18 AAC 72.990 for definitions.)</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Will a discharge of domestic wastewater or septage to lands, waters or the subsurface of the state occur? <i>(see 18 AAC 72.990 for definitions.)</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Will the wastewater disposal activity require a mixing zone or zone of deposit to meet Water Quality Standards (WQS)? <i>(Many disposal activities require a mixing zone to meet WQS, contact DEC if unsure.)</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Will the project include a stormwater collection/discharge system? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e) Will the project include placing fill in wetlands? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f) Is the surrounding area inundated with water at any time of the year? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g) Do you intend to construct, install, modify or use any part of a domestic or non-domestic wastewater treatment or disposal system? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Does your project qualify for a general permit for wastewater? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. If you answered yes to any questions above, indicate the person you contacted at the <u>DEC-Division of Water</u> for information. | | |

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

- a) Name/date of Contact: William Ashton, 12/20/10, (907) 269-6283
- b) Is an application required for the proposed activity?
- c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: Mr. Ashton responded that the APDES Construction General Permit would apply.

DEC DIVISION OF ENVIRONMENTAL HEALTH

- | | | Yes | No |
|---|--------------------------|-----|-------------------------------------|
| 4 a) Will your project result in construction, modification, or operation of a facility for solid waste disposal? (NOTE: Solid waste means drilling wastes, household garbage, refuse, sludge, construction or demolition wastes, industrial solid waste, asbestos, and other discarded, abandoned, or unwanted solid or semi-solid material, whether or not subject to decomposition, originating from any source. Disposal means placement of solid waste on land.) | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| b) Will your project result in treatment of solid waste at the site? (Examples of treatment methods include, but are not limited to: incineration, open burning, baling, and composting.) | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| c) Will your project result in storage or transfer of solid waste at the site? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| d) Will the project result in storage of more than 50 tons of materials for reuse, recycling, or resource recovery? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| e) Will any sewage solids or biosolids be disposed of or land-applied to the site? (NOTE: Sewage solids include wastes that have been removed from a wastewater treatment plant system, such as a septic tank lagoon dredge, or wastewater treatment sludge that contain no free liquids. Biosolids are the solid, semi- solid or liquid residues produced during the treatment of domestic septage in a treatment works which are land applied for beneficial use.) .. | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| 5. Will your project require application of oil, pesticides, and/or any other broadcast chemicals? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| 6. Does your project qualify for a general permit for solid waste? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| 7. If you answered yes to any question above, indicate the person you contacted at the <u>DEC- Division of Environmental Health</u> for information. | | | |
| a) Name/date of Contact: _____ | | | |
| b) Is an application required for the proposed activity? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: _____ | | | |

DEC DIVISION OF AIR QUALITY

- | | | Yes | No |
|---|-------------------------------------|-----|-------------------------------------|
| 8 a) Will you have an asphalt plant designed to process no less than five tons per hour of product? | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| b) Will you have a thermal remediation unit with a rated capacity of at least five tons per hours of untreated material? .. | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| c) Will you have a rock crusher with a rated capacity of at least five tons per hour? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| d) Will you have one or more incinerators with a cumulative rated capacity of 1,000 pounds or more per hour? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| e) Will you have a coal preparation plant? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| f) Will you have a Port of Anchorage stationary source? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| g) Will you have a facility with the potential to emit no less than 100 tons per year of any regulated air contaminant?..... | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| h) Will you have a facility with the potential to emit no less than 10 tons per year of any hazardous air contaminant or 25 tons per year of all hazardous air contaminants?..... | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| i) Will you be constructing a new stationary source with a potential to emit greater than: | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> 15 tons per year (tpy) of PM-10 | | | |
| <input type="checkbox"/> 40 tpy of nitrogen oxides | | | |
| <input type="checkbox"/> 40 tpy of sulfur dioxide | | | |
| <input type="checkbox"/> 0.6 tpy of lead; or | | | |
| <input type="checkbox"/> 100 tpy of CO within 10 km of a nonattainment area | | | |
| j) Will you be commencing construction, or (if not already authorized under 18 AAC 50) relocating a portable oil and gas operation? (answer "yes" unless you will comply with an existing operating permit developed for the portable oil and gas operation at the permitted location; or you will operate as allowed under AS 46.14.275 without an operating permit) | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| k) Will you be commencing construction or (if not already authorized under 18 AAC 50) relocating an emission unit with a rated capacity of 10 million Btu or more per hour in a sulfur dioxide special protection area established under 18 AAC 50.025? | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| l) Will you be commencing a physical change to or a change in the method of construction of an existing stationary source with a potential to emit an air pollutant greater than an amount listed in g) that will cause for that pollutant an emission increase (calculated at your discretion) as either an increase in potential to emit that is greater than: | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

- 10 tpy of PM-10
- 10 tpy of sulfur dioxide
- 10 tpy of nitrogen oxides; or
- 100 tpy of CO within 10 km of a nonattainment area; or actual emissions and a net emissions increase greater than:
 - 10 tpy of PM-10
 - 10 tpy of sulfur dioxide
 - 10 tpy of nitrogen oxides; or
 - 100 tpy of CO within 10 km of a nonattainment area

- m) Will you be commencing construction or making a major modification of a Prevention of Significant Deterioration stationary source under 18 AAC 50.306?
- n) Will you be commencing construction or making a major modification of a nonattainment area major stationary source under 18 AAC 50.311?
- o) Will you be commencing construction or reconstructing a major stationary source under 18 AAC 50.316, for hazardous air pollutants? Definition of Regulated Air Pollutants can be found at <http://www.epa.gov/ttn/oarpg/t5/memoranda/rapdef.pdf>

9. If you answered yes to any questions above, indicate the person you contacted at the DEC- Division of Air Quality for information.

- a) Name/date of Contact: Jimmie Yap, ADEC, 465-5123 contacted on 2-3-11. If output is greater 5 tons per hour of product a minor source specific permit is required. Based on the potential to emit particulates if the output is over 10 tons per year and less than 100 tons per year the activity will require a MG-3 permit.
- b) Is an application required for the proposed activity?
- c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: Using a mobile asphalt plant is one of two options for hardening the surface of the RSA. The Contractor will be responsible for acquiring any permits associated with a mobile batch plant.

DEC DIVISION OF SPILL PREVENTION AND RESPONSE

Yes No

- 10 a) Will your project involve the operation of waterborne tank vessels or oil barges that carry crude or non crude oil as bulk cargo, or the transfer of oil or other petroleum products to or from such a vessel or a pipeline system?
- b) Will your project require or include onshore or offshore oil facilities with an effective aggregate storage capacity of greater than 5,000 barrels of crude oil or greater than 10,000 barrels of non-crude oil?
- c) Will you operate facilities on land or water for exploration or production of hydrocarbons?

11. If you answered yes to any questions above, indicate the person you contacted at the DEC-Division of Spill Prevention and Response office for information.

- a) Name/date of Contact: _____
- b) Is a plan required for the proposed activity?
- c) If "YES" then submit a signed copy of the completed Oil Discharge Prevention & Contingency Plan to the DCOM. If "No", explain why an application isn't required. Explanation: _____

DEC APPROVALS

List the Department of Environmental Conservation permits or authorizations required for your project below:

Types of plan approvals or permits needed	Date application submitted
DEC Alaska Pollution Discharge Elimination System (APDES) Construction General Permit	The Contractor will begin work after approval of a SWPPP.

■ FEDERAL APPROVALS

U.S. ARMY CORPS OF ENGINEERS (USACE)

Yes No

- 1. Will you discharge dredged and/or fill material or perform dredging activities in waters of the U.S? Section 404 of the Clean Water Act requires that a Department of the Army permit be obtained for the placement or discharge of dredged

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

- and/or fill material into waters of the U.S., including wetlands (33 U.S.C. 1344). *(Your application to the USACE would also serve as application for DEC Water Quality Certification.)*
2. Will you place fill or structures or perform work in waters of the U.S.? Section 10 of the Rivers and Harbors Act of 1899 requires that a Department of the Army permit be obtained for structures or work in or affecting navigable waters of the U.S. (33 U.S.C. 403) *(Waters of the U.S. include marine waters subject to the ebb and flow of the tide, rivers, streams, lakes tributaries, and wetlands. If you are not certain whether your proposed project is located within a wetland, contact the USACE Regulatory Division to request a wetlands determination. For additional information about the Regulatory Program, visit www.poa.usace.army.mil/reg)*
3. If you answered yes to the question above, indicate the person you contacted at the US Army Corps of Engineers for information.
- a) Name/date of Contact: Heidi Firstencel, 12/20/10, (907) 350-5092
- b) Is an application required for the proposed activity?
- c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: Ms. Firstencel responded that a 404 Permit would be required (attached)......

BUREAU OF LAND MANAGEMENT (BLM)

4. Is the proposed project located on BLM land, or will you need to cross BLM land for access? Yes No
5. If you answered yes to the question above, indicate the person you contacted at the Bureau of Land Management for information.
- a) Name/date of Contact: _____ Yes No
- b) Is an application required for the proposed activity? Yes No
- c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: _____

U.S. COAST GUARD (USCG)

- 6 a) Do you plan to construct a bridge or causeway over tidal (ocean) waters, or navigable rivers, streams or lakes? Yes No
- b) Does your project involve building an access to an island? Yes No
- c) Do you plan to site, construct, or operate a deepwater port? Yes No
7. If you answered yes to any question above, indicate the person you contacted at the appropriate US Coast Guard office for information.
- a) Name/date of Contact: _____ Yes No
- b) Is an application required for the proposed activity? Yes No
- c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: _____

U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)

- 8 a) Will the proposed project have a discharge to any waters? Yes No
- b) Will you dispose of sewage sludge? Yes No
- c) Will construction of your project expose 1 or more acres of soil? *(NOTE: This applies to the total amount of land disturbed, even if disturbance is distributed over more than one season, and also applies to areas that are part of a larger common plan of development or sale.)* Yes No
- d) Is your project an industrial facility that will have stormwater discharge directly related to manufacturing, processing, or raw materials storage areas at an industrial plant? If you answered yes to c) or d), your project may require an NPDES Stormwater permit Yes No
9. If you answered yes to any question above, indicate the person you contacted at the US Environmental Protection Agency for information.
- a) Name/date of Contact: Krissy Plett, 12/16/10, (907) 269-8641 Yes No
- b) Is an application required for the proposed activity? Yes No
- c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: DEC APDES permit, SWPPP, and USACE 404 authorization are required.

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

FEDERAL AVIATION ADMINISTRATION (FAA)

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| 10 a) Is your project located within five miles of any public airport? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Will you have a waste discharge that is likely to decay within 5,000 feet of any public airport? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11. If you answered yes to the question above, indicate the person you contacted at the <u>Federal Aviation Administration</u> for information. | | |
| a) Name/date of Contact: <u>FAA Alaskan Region Airports Division, Gayle Wagner, 12/20/10. Ms. Wagner responded that a FAA 7460-1 Form would be required (attached).</u> | | |

FEDERAL ENERGY REGULATORY COMMISSION (FERC)

- | | Yes | No |
|---|--------------------------|-------------------------------------|
| 12 a) Does the project include any of the following: | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1) a non-federal hydroelectric project on any navigable body of water | | |
| 2) locating a hydro project on federal land (including transmission lines) | | |
| 3) using surplus water from any federal government dam for a hydro project | | |
| b) Does the project include construction and operation, or abandonment of interstate natural gas pipeline facilities under sections 7 (b) and (c) of the Natural Gas Act (NGA)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Does the project include construction and operation of natural gas or liquefied natural gas importation or exportation facilities under section 3 of the NGA? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Does the project include construction for physical interconnection of electric transmission facilities under section 202 (b) of the FPA? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13. If you answered yes to any question above, indicate the person you contacted at the appropriate <u>Federal Energy Regulatory Commission</u> office for information. | | |
| a) Name/date of Contact: _____ | | |
| b) Is an application required for the proposed activity? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: _____ | | |

U.S. FOREST SERVICE (USFS)

- | | Yes | No |
|--|--------------------------|-------------------------------------|
| 14 a) Does the proposed project involve construction on USFS land? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Does the proposed project involve the crossing of USFS land with a water line? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) The current list of Forest Service permits that require ACMP consistency review are online at http://alaskacoast.state.ak.us/Clawhome/handbook/pdf/11_AAC_110.pdf in Article 4, 11 AAC 110.400, pages 28-30. Does your proposed project include any of Forest Service authorizations found on pages 28-30 of the ACMP Handbook? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15. If you answered yes to any question above, indicate the person you contacted at <u>United States Forest Service</u> for information. | | |
| a) Name/date of Contact: _____ | | |
| b) Is an application required for the proposed activity? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: _____ | | |

U.S. FISH AND WILDLIFE SERVICE (USFWS)

- | | Yes | No |
|---|--------------------------|-------------------------------------|
| 16 a) Is your proposed project on land managed by the USFWS? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Does your project require a Right of Way from the USFWS under 50 C.F.R. 29 and 50 C.F.R 36? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17. If you answered yes to any question above, indicate the person you contacted at the <u>US Fish and Wildlife Service</u> for information. | | |
| a) Name/date of Contact: _____ | | |
| b) Is an application required for the proposed activity? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) If "YES" then submit a signed copy of the completed application to the DCOM. If "No", explain why an application isn't required. Explanation: <u>The U.S. Fish and Wildlife, Bald Eagle Nest Atlas was consulted on January 10, 2011 and did not observe any bald eagle nests within the proposed project boundary. The nearest bald eagle nest is five miles away from the airport property boundary.</u> | | |

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

OTHER FEDERAL AGENCY APPROVALS

Yes No

18 a) Other Federal agencies with authorizations reviewable under the Alaska Coastal Management Program are posted online at http://alaskacoast.state.ak.us/Clawhome/handbook/pdf/11_AAC_110.pdf in Article 4, 11 AAC 110.400, pages 28-30. Does your proposed project include any of the Federal agency authorizations found on pages 28-30 of the ACMP Handbook?

b) If yes, which federal authorizations? _____

19. Have you applied for any other federal permits or authorizations?

Agency	Approval Type	Date Submitted
USACE	404 Individual Use Permit	Concurrent with CPQ
FAA	7460-1 Notice Of Proposed Construction	Prior to construction.

Note: The Coastal Project Questionnaire (CPQ) identifies state and federal permits subject to a consistency review. You may need additional permits from other agencies or the affected city and borough government to proceed with your activity. Attach the documentation requested under the Project Description.

ACMP Consistency Evaluation & Certification Statement

Pursuant to 11 AAC 110.215 (a)(1)(c), the applicant shall submit an evaluation of how the proposed project is consistent with the statewide standards at 11 AAC 112.200 - 11 AAC 112.990 and with the applicable district enforceable policies, sufficient to support the consistency certification. Evaluate your project against each section of the state standards and applicable district enforceable policies using the template below or by submitting a narrative description in letter or report form. District enforceable policies are available on the ACMP website at <http://www.alaskacoast.state.ak.us>. Definitions of key terms can be found at: 11 AAC 110.990, 11 AAC 112.990 and 11 AAC 114.990.

If you need more space for an adequate explanation of any of the applicable standards, please attach additional pages to the end of this document. Be sure to include references to the specific sections and subsections that you are evaluating.

STATEWIDE STANDARDS

11 AAC 112.200. Coastal Development

Standard:

(a) In planning for and approving development in or adjacent to coastal waters, districts and state agencies shall manage coastal land and water uses in such a manner that those uses that are economically or physically dependent on a coastal location are given higher priority when compared to uses that do not economically or physically require a coastal location.

(b) Districts and state agencies shall give, in the following order, priority to

- (1) water-dependent uses and activities;
- (2) water-related uses and activities; and
- (3) uses and activities that are neither water-dependent nor water-related for which there is no practicable inland alternative to meet the public need for the use or activity.

(c) The placement of structures and the discharge of dredged or fill material into coastal water must, at a minimum, comply with the standards contained in 33 CFR Parts 320 - 323, revised as of July 1, 2003.

Evaluation:

(a) How is your project economically or physically dependent on a coastal location? Why are you proposing to place the project at the selected location? The proposed project is located at the existing Gustavus Airport and does not abut the coast. The proposed project is not economically or physically dependent on a coastal location. The proposed project involves expansion of the existing Gustavus Airport runway safety area (RSA) that currently does not meet FAA standards of RSA length and width.

(b) Evaluation of development priority.

(1) How is the proposed project water-dependent? Explain.

(2) How is the proposed project water-related? Explain.

(3) If the proposed project is neither water-dependent nor water-related, please explain why there is not a practicable

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

inland alternative that meets the public need for the use or activity. Explain. The proposed project is neither water-dependent nor water-related. The proposed project involves expansion of the existing Gustavus Airport runway safety area (RSA) that currently does not meet FAA standards of RSA length and width.

(c) *DCOM defers to the United States Corps of Engineers (USACE) to interpret compliance with the referenced standards.* If you plan to discharge or fill waters of the US, have you applied to the Corps of Engineers for the appropriate authorization?

Yes, a USACE 404 permit will be submitted concurrent with this CPQ.

11 AAC 112.210. Natural hazard areas.

Standard:

(a) In addition to those identified in 11 AAC 112.990, the department, or a district in a district plan, may designate other natural processes or adverse conditions that present a threat to life or property in the coastal area as natural hazards. Such designations must provide the scientific basis for designating the natural process or adverse condition as a natural hazard in the coastal area, along with supporting scientific evidence for the designation.

(b) Areas likely to be affected by the occurrence of a natural hazard may be designated as natural hazard areas by a state agency or, under 11 AAC 114.250(b), by a district.

(c) Development in a natural hazard area may not be found consistent unless the applicant has taken appropriate measures in the siting, design, construction, and operation of the proposed activity to protect public safety, services, and the environment from potential damage caused by known natural hazards.

(d) For purposes of (c) of this section, "appropriate measures in the siting, design, construction, and operation of the proposed activity" means those measures that, in the judgment of the coordinating agency, in consultation with the department's division of geological and geophysical surveys, the Department of Community and Economic Development as state coordinating agency for the National Flood Insurance Program under 44 C.F.R. 60.25, and other local and state agencies with expertise,

(1) satisfy relevant codes and safety standards; or

(2) in the absence of such codes and standards;

(A) the project plans are approved by an engineer who is registered in the state and has engineering experience concerning the specific natural hazard; or

(B) the level of risk presented by the design of the project is low and appropriately addressed by the project plans.

Evaluation:

(a) Describe the natural hazards designated in the district plan as they affect this site.

(b) Describe how the proposed project is designed to accommodate the designated hazards. How will you use site design and operate the proposed activity to protect public safety, services and the environment from potential damage caused by known natural hazards? N/A, there are no known natural hazards in the project area.

(d)(1) Describe the measures you will take to meet relevant codes and safety standards in the siting, design, construction and operation of the proposed activity.

(d)(2)(A) If your project is located in an area without codes and safety standards, how is your project engineered for the specific natural hazard? Give the name of the appropriately qualified registered engineer who will approve the plans for protecting public safety, services, and the environment from damage caused by hazards OR

(d)(2)(B) If the level of risk presented by the design of the project is low, how do the project plans and project design address the potential natural hazard? N/A, there are no known natural hazards in the project area.

11 AAC 112.220. Coastal access.

Standard:

Districts and state agencies shall ensure that projects maintain and, where appropriate, increase public access to, from, and along coastal water.

Evaluation:

Please explain how the proposed project will maintain and, where appropriate, increase public access to, from and along coastal water. N/A, The proposed project is located at the existing Gustavus Airport that does not have direct access to coastal water nor is along coastal water.

11 AAC 112.230. Energy facilities.

Standard:

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

(a) The siting and approval of major energy facilities by districts and state agencies must be based, to the extent practicable, on the following standards:

- (1) site facilities so as to minimize adverse environmental and social effects while satisfying industrial requirements;
- (2) site facilities so as to be compatible with existing and subsequent adjacent uses and projected community needs;
- (3) consolidate facilities;
- (4) consider the concurrent use of facilities for public or economic reasons;
- (5) cooperate with landowners, developers, and federal agencies in the development of facilities;
- (6) select sites with sufficient acreage to allow for reasonable expansion of facilities;
- (7) site facilities where existing infrastructure, including roads, docks, and airstrips, is capable of satisfying industrial requirements;
- (8) select harbors and shipping routes with least exposure to reefs, shoals, drift ice, and other obstructions;
- (9) encourage the use of vessel traffic control and collision avoidance systems;
- (10) select sites where development will require minimal site clearing, dredging, and construction;
- (11) site facilities so as to minimize the probability, along shipping routes, of spills or other forms of contamination that would affect fishing grounds, spawning grounds, and other biologically productive or vulnerable habitats, including marine mammal rookeries and hauling out grounds and waterfowl nesting areas;
- (12) site facilities so that design and construction of those facilities and support infrastructures in coastal areas will allow for the free passage and movement of fish and wildlife with due consideration for historic migratory patterns;
- (13) site facilities so that areas of particular scenic, recreational, environmental, or cultural value, identified in district plans, will be protected;
- (14) site facilities in areas of least biological productivity, diversity, and vulnerability and where effluents and spills can be controlled or contained;
- (15) site facilities where winds and air currents disperse airborne emissions that cannot be captured before escape into the atmosphere;
- (16) site facilities so that associated vessel operations or activities will not result in overcrowded harbors or interfere with fishing operations and equipment.

(b) The uses authorized by the issuance of state and federal leases, easements, contracts, rights-of-way, or permits for mineral and petroleum resource extraction are uses of state concern.

Evaluation:

(a) If this standard applies to your project, please describe in detail how the proposed project is designed to meet each applicable section of this standard:

- (1) N/A, there are no energy facilities located at the proposed project.
- (2) _____
- (3) _____
- (4) _____
- (5) _____
- (6) _____
- (7) _____
- (8) _____
- (9) _____
- (10) _____
- (11) _____
- (12) _____
- (13) _____
- (14) _____
- (15) _____
- (16) _____

(b) List the authorizations for state and federal leases, easements, contracts, rights-of-way, water rights, or permits for mineral and petroleum resource extraction you have applied for or received. USACE 404 permit, ADF&G Title 16 Fish Habitat Permit, DEC Construction General Permit.

11 AAC 112.240. Utility routes and facilities.

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

Standard:

- (a) Utility routes and facilities must be sited inland from beaches and shorelines unless
- (1) the route or facility is water-dependent or water related; or
 - (2) no practicable inland alternative exists to meet the public need for the route or facility.
- (b) Utility routes and facilities along the coast must avoid, minimize, or mitigate
- (1) alterations in surface and ground water drainage patterns;
 - (2) disruption in known or reasonably foreseeable wildlife transit;
 - (3) blockage of existing or traditional access.

Evaluation:

(a) If the proposed utility route or facility is sited adjacent to beaches or shorelines, explain how the route or facility is water dependent water related or why no practicable inland alternative exists.

N/A, The proposed project is not located along coastal water and is not water dependent or water related. The proposed project would bring the existing Gustavus Airport to FAA standards.

(b) If the proposed utility route or facility is sited along the coast, explain how you will avoid, minimize or mitigate:

- (1) alterations in surface and ground water drainage patterns; N/A, The proposed project is not located along coastal water.
- (2) disruption in known or reasonably foreseeable wildlife transit; N/A, the proposed project is located at an existing airport.
- (3) blockage of existing or traditional access.

N/A.

11 AAC 112.250. Timber harvest and processing.

Standard:

AS 41.17 (Forest Resources and Practices Act) and the regulations adopted under that chapter with respect to the harvest and processing of timber are incorporated into the program and constitute the components of the program with respect to those purposes.

Evaluation:

Does your activity involve harvesting or processing of timber? Yes _____ No X

If yes, please explain how your proposed project meets the standards of the State Forest Resources and Practices Act.

11 AAC 112.260. Sand and gravel extraction.

Standard:

Sand and gravel may be extracted from coastal waters, intertidal areas, barrier islands, and spits if there is no practicable alternative to coastal extraction that will meet the public need for the sand or gravel.

Evaluation:

If your proposed project includes extracting sand or gravel from coastal waters, intertidal areas, barrier islands or spits, please explain why there is no practicable alternative to coastal extraction that meets the public need for sand or gravel.

N/A, the proposed project would not extract sand or gravel from coastal waters, intertidal areas, barrier islands or spits.

11 AAC 112.270. Subsistence.

Standard:

- (a) A project within a subsistence use area designated by the department or under 11 AAC 114.250(g) must avoid or minimize impacts to subsistence uses of coastal resources.
- (b) For a project within a subsistence use area designated under 11 AAC 114.250(g), the applicant shall submit an analysis or evaluation of reasonably foreseeable adverse impacts of the project on subsistence use as part of
- (1) a consistency review packet submitted under 11 AAC 110.215; and
 - (2) a consistency evaluation under 15 C.F.R. 930.39, 15 C.F.R. 930.58, or 15 C.F.R. 930.76.
- (c) Repealed 10/29//2004, Register 172.

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

- (d) Except in nonsubsistence areas identified under AS 16.05.258, the department may, after consultation with the appropriate district, federally recognized Indian tribes, Native corporations, and other appropriate persons or groups, designate areas in which a subsistence use is an important use of coastal resources as demonstrated by local usage.
- (e) For purposes of this section, "federally recognized Indian tribe," "local usage", and "Native corporation" have the meanings given in 11 AAC 114.990.

Evaluation:

- (a) Is your proposed project located within a subsistence use area designated by a coastal district?
Yes _____ No X

If yes, please describe how the proposed project is designed to "avoid or minimize impacts to subsistence uses of coastal resources:"

-
- (b) If your project is located in a subsistence use area designated by the coastal district, provide an analysis or evaluation of its reasonably foreseeable adverse impacts to the subsistence uses.

N/A.

- (c) No response required.

(d) If your project is not located in a designated subsistence use area, please describe any subsistence uses of coastal resources within the project area. Please be advised that subsistence use areas may be designated by the department during a review. N/A, Public and agency scoping did not identify any subsistence use occurring at the existing Gustavus Airport.

- (e) No response required.

11 AAC 112.280. Transportation routes and facilities.

Standard:

Transportation routes and facilities must avoid, minimize, or mitigate

- (1) alterations in surface and ground water drainage patterns;
- (2) disruption in known or reasonably foreseeable wildlife transit; and
- (3) blockage of existing or traditional access.

Evaluation:

If your proposed project includes transportation routes or facilities, describe how it avoids, minimizes, or mitigates

- (1) alterations in surface and ground water drainage patterns; The proposed project would improve current drainage patterns by upgrading the RSA drainage ditches surrounding the existing Gustavus Airport.
- (2) disruption in known or reasonably foreseeable wildlife transit; and N/A, the proposed project is located at the existing Gustavus Airport.
- (3) blockage of existing or traditional access. N/A.

11 AAC 112.300. Habitats.

Standard:

(a) Habitats in the coastal area that are subject to the program are

- (1) offshore areas;
- (2) estuaries;
- (3) wetlands;
- (4) tideflats;
- (5) rocky islands and sea cliffs;
- (6) barrier islands and lagoons;
- (7) exposed high-energy coasts;
- (8) rivers, streams, and lakes and the active floodplains and riparian management areas of those rivers, streams, and lakes; and

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

- (9) important habitat.
- (b) The following standards apply to the management of the habitats identified in (a) of this section:
 - (1) offshore areas must be managed to avoid, minimize, or mitigate significant adverse impacts to competing uses such as commercial, recreational, or subsistence fishing, to the extent that those uses are determined to be in competition with the proposed use;
 - (2) estuaries must be managed to avoid, minimize, or mitigate significant adverse impacts to
 - (A) adequate water flow and natural water circulation patterns; and
 - (B) competing uses such as commercial, recreational, or subsistence fishing, to the extent that those uses are determined to be in competition with the proposed use;
 - (3) wetlands must be managed to avoid, minimize, or mitigate significant adverse impacts to water flow and natural drainage patterns;
 - (4) tideflats must be managed to avoid, minimize, or mitigate significant adverse impacts to
 - (A) water flow and natural drainage patterns; and
 - (B) competing uses such as commercial, recreational, or subsistence uses, to the extent that those uses are determined to be in competition with the proposed use;
 - (5) rocky islands and sea cliffs must be managed to
 - (A) avoid, minimize, or mitigate significant adverse impacts to habitat used by coastal species; and
 - (B) avoid the introduction of competing or destructive species and predators;
 - (6) barrier islands and lagoons must be managed to avoid, minimize, or mitigate significant adverse impacts (A) to flows of sediments and water;
 - (B) from the alteration or redirection of wave energy or marine currents that would lead to the filling in of lagoons or the erosion of barrier islands; and
 - (C) from activities that would decrease the use of barrier islands by coastal species, including polar bears and nesting birds;
 - (7) exposed high-energy coasts must be managed to avoid, minimize, or mitigate significant adverse impacts
 - (A) to the mix and transport of sediments; and
 - (B) from redirection of transport processes and wave energy;
 - (8) rivers, streams, and lakes must be managed to avoid, minimize, or mitigate significant adverse impacts to
 - (A) natural water flow;
 - (B) active floodplains; and
 - (C) natural vegetation within riparian management areas; and
 - (9) important habitat
 - (A) designated under 11 AAC 114.250(h) must be managed for the special productivity of the habitat in accordance with district enforceable policies adopted under 11 AAC 114.270(g); or
 - (B) identified under (c)(1)(B) or
 - (C) of this section must be managed to avoid, minimize, or mitigate significant adverse impacts to the special productivity of the habitat.
- (c) For purposes of this section,
 - (1) "important habitat" means habitats listed in (a)(1) – (8) of this section and other habitats in the coastal area that are
 - (A) designated under 11 AAC 114.250(h);
 - (B) identified by the department as a habitat
 - (i) the use of which has a direct and significant impact on coastal water; and
 - (ii) that is shown by written scientific evidence to be biologically and significantly productive; or
 - (C) identified as state game refuges, state game sanctuaries, state range areas, or fish and game critical habitat areas under AS 16.20;
 - (2) "riparian management area" means the area along or around a waterbody within the following distances, measured from the outermost extent of the ordinary high water mark of the waterbody:
 - (A) for the braided portions of a river or stream, 500 feet on either side of the waterbody;
 - (B) for split channel portions of a river or stream, 200 feet on either side of the waterbody;
 - (C) for single channel portions of a river or stream, 100 feet on either side of the waterbody;
 - (D) for a lake, 100 feet of the waterbody.

Evaluation:

- (a) List the habitats from (a) above that are within your proposed project area or that could be affected by your proposed

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

project.

Wetlands and streams.

(b) Describe how the proposed project avoids, minimizes, or mitigates impacts to each of the identified habitat(s) in section (a) above. Avoidance where feasible, enhancing impacted sections of the stream into more natural stream morphology, creating new ditches, replacing sections of drainage ditch "in-kind".

(c) No response required.

11 AAC 112.310. Air, land and water quality

Standard:

Notwithstanding any other provision of this chapter, the statutes and regulations of the Department of Environmental Conservation with respect to the protection of air, land, and water quality identified in AS 46.40.040(b) are incorporated into the program and, as administered by that department, constitute the exclusive components of the program with respect to those purposes.

Evaluation: No response required.

11 AAC 112.320. Historic, prehistoric, and archeological resources.

Standard:

(a) The department will designate areas of the coastal zone that are important to the study, understanding, or illustration of national, state, or local history or prehistory, including natural processes.

(b) A project within an area designated under (a) of this section shall comply with the applicable requirements of AS 41.35.010 – 41.35.240 and 11 AAC 16.010 – 11 AAC 16.900.

Evaluation:

(a) Have you contacted the State Historic Preservation Office (SHPO) to see if your project is in a designated area of the coastal zone that is important to the study, understanding, or illustration of national, state, or local history or prehistory, including natural processes?

Yes, SHPO concurrence of a finding of adverse effect was received December 15, 2010 (attached).

(b) If your project is within an area designated under (a) of this section, how will you comply with the applicable requirements in the statutes and regulations listed in (b)?

A Memorandum of Agreement to resolve the adverse effect has been submitted to the SHPO

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

Affected Coastal District Enforceable Policies

Evaluate each applicable district enforceable policy using a format similar to the one you completed above for the State Standards. District enforceable policies are available at <http://alaskacoast.state.ak.us/>. If you need more space for an adequate explanation of any of the applicable district enforceable policies, please attach additional pages to the end of this document.

Applicable District Plan(s) N/A; There is no applicable district plan for the Gustavus Airport. Gustavus is a coastal community located outside of a coastal district, and falls under the "Southeast Alaska Outside of Coastal Districts" as described in the District Coastal Zone Boundaries.

Enforceable Policy: N/A

Evaluation: N/A

Enforceable Policy: _____

Evaluation: _____

Enforceable Policy: _____

Evaluation: _____

Certification Statement

The information contained herein is true and complete to the best of my knowledge. I certify that the proposed activity complies with, and will be conducted in a manner consistent with, the Alaska Coastal Management Program.

Jan Hendon
Signature of Applicant or Agent

2/25/11
Date

Note: Federal agencies conducting an activity that will affect the coastal zone are required to submit a federal consistency determination, per 15 CFR 930, Subpart C, rather than this certification statement. ACMP has developed a guide to assist federal agencies with this requirement. Contact ACMP to obtain a copy.

This certification statement will not be complete until all required State and federal authorization requests have been submitted to the appropriate agencies.

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

Project Description: Please provide or attach a brief description of your project including the planned work, any effects to coastal uses and resources and how your project is being designed to avoid, minimize and mitigate those effects.

Project Description

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Federal Aviation Administration (FAA), proposes to upgrade the existing Gustavus Airport to meet FAA's established Runway Safety Area (RSA) standards to the extent practicable. By meeting FAA RSA standards, safety and operational deficiencies would be resolved as identified in the Southeast Region Aviation System Plan (State of Alaska, 2008).

The purpose of a RSA is to surround the perimeter of a runway to enhance the safety of aircraft that miss or venture off the runway. The current RSA is deficient in both length and width by dimensions specified below. In addition to the RSA expansion, other airfield facility upgrades would also be completed.

The proposed action would consist of the following:

- Lengthening and widening the RSA for Runway 11/29 by:
 - Adding 409 feet at runway end 11 and 799 feet at runway end 29, and
 - Widening the entire RSA by adding 238 feet to its width.
- Construction of facilities to accommodate the expanded RSA including:
 - Grading a road section within the extent of the proposed RSA,
 - Rerouting 1,400 linear feet of road to remain outside the proposed RSA, and
 - Re-grading the existing RSA ditches and realigning RSA ditches or rerouting other ditches as necessary.
 - Project grading would generate more material than needed for fill; excess material would be disposed of in upland areas on airport property.
 - Realigning a portion of airport fence to accommodate the RSA expansion near runway 11.
 - Rerouting approximately 543 linear feet of an Unnamed Anadromous Stream (Stream) around the northern extension of the RSA on the eastern side and filling the former stream channel.
 - New Stream length would be approximately 418 linear feet.
 - Rerouting approximately 625 linear feet of an Unnamed Ditch (Ditch) around at the southern end of the existing runway to accommodate a new culvert in the portion of the Ditch within the RSA expansion area.

- New culvert would be approximately 600 linear feet.
- Installation of an Asphalt Stabilized Surface to the entire RSA.
 - Surfacing options would be identical in appearance and would have a sand seal on the surface. The sand seal would be installed in the spring following construction because of weather constraints. DOT&PF would install the sand seal with its own maintenance personnel and equipment.
 - Surfacing options would include either:
 - A hot asphalt sand mix would be applied to the RSA surface to create a hardened surface.
 - The hot asphalt sand mix can be installed in during a wide range of environmental conditions. The RSA can be surfaced later in rainy fall weather than the other option. This is a recently considered option that would allow project completion in one construction season.
 - The hot asphalt sand mix would require a mobile batch plant including a mobile power plant.
 - An Emulsified asphalt and Portland cement would be applied to the RSA surface. This would harden the sand and create an Asphalt Emulsified Surface (AES).
 - Preparation, mixing, and dispersal of the AES would be done by truck so no batch plant would be required.
 - Initial compaction of RSA would require water withdrawal from a former material site on airport property.
- Removing and replacing culverts, including:
 - Removing one culvert near the end of runway end 11.
 - Installing one new culvert in the existing ditch under the RSA area off the end of runway 29.
 - Removing and replacing one culvert near the end of runway end 29.
 - Installing one new culvert in a new ditch parallel to the runway near the runway end 29 supplemental wind cone.
- Adjusting and replacing existing electrical facilities.

State of Alaska, Department of Natural Resources, Division of Coastal & Ocean Management

- Replacing electrical conduit to the wind cones, VASI, and runway lighting where the realigned RSA ditches intersect existing conduit.
- Lowering VASI, REIL, and Distance to Go sign, and other NAVAID concrete bases to match the proposed RSA elevation.
 - Trenching to the nearest junction would be necessary to adjust the conduit leading into these NAVAIDs.
- Adjusting electrical junction boxes to match the proposed RSA elevation.
- Replacing failing direct buried cable between the VASI.

Construction areas would be accessed by existing airport roads.

Coastal Uses and Resources

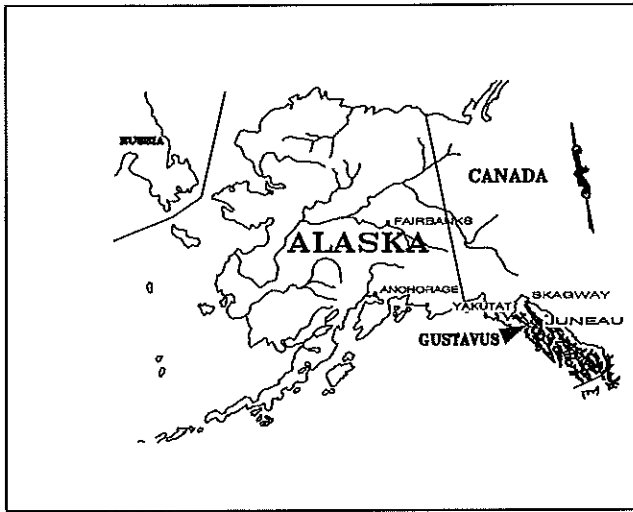
The proposed project would not affect any coastal uses or resources.

Project Area: Please provide or attach a map of your project location and your proposed work. (Including nearest community, the name of the nearest land feature or body of water, and other legal description such as a survey or lot number.)

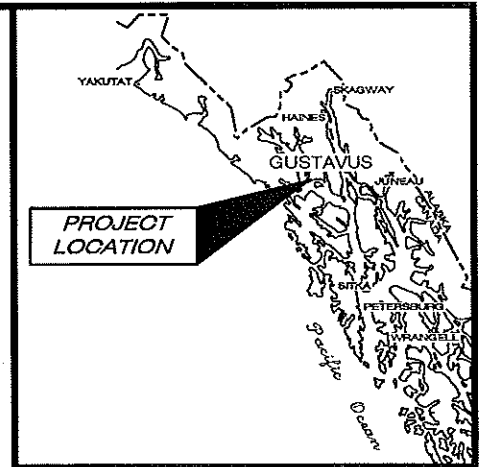
Nearest Community: Gustavus, AK

Nearest Waterbody: Icy Passage, and unnamed stream (#144-23-10199)

Legal Survey Description: The Gustavus Airport is located in T40S, R59E, Sections 5, 6, 8, and 9, Copper River Meridian, United States Geological Survey Quadrangle Map Juneau B-6. Region, location, and vicinity map attached.

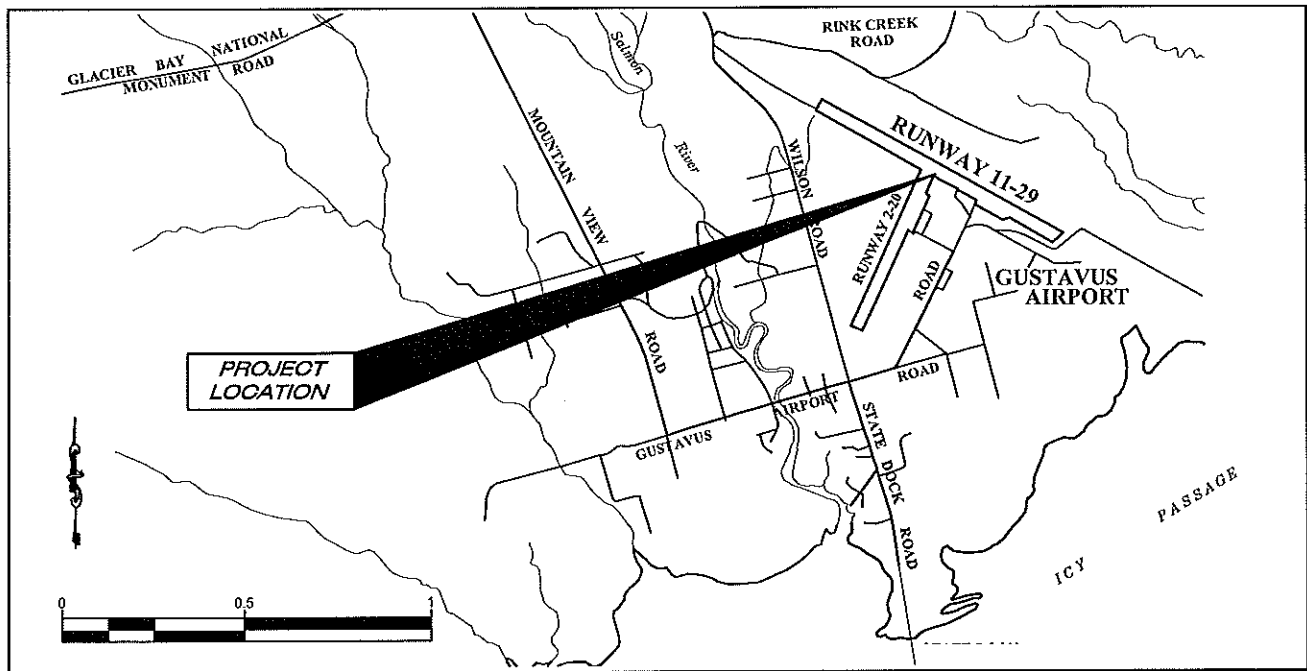


KEY MAP



REGION MAP

VICINITY MAP



NAME: ALASKA STATE DOT & PF
 PROJECT: GUSTAVUS AIRPORT RUNWAY
 SAFETY IMPROVEMENTS
 LOCATION: SECTIONS 5,6,8,9, T 40 S, R 59 E,
 COPPER RIVER MERIDIAN
 WATERBODIES: ICY PASSAGE
 UNNAMED STREAM (#144-23-10199)
 SHEET: 1 of 5 DATE: JANUARY 2011