US Army Corps
of Engineers
Alaska District

Public Notice of Application for Permit

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

PUBLIC NOTICE DATE:	**JULY 17, 2009**
EXPIRATION DATE:	**AUGUST 3, 2009**
REFERENCE NUMBER:	**POA-1990-592-M6**
WATERWAY:	**LYNN CANAL**

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

Comments on the proposal, with the reference number, should reach this office no later than the expiration date of this Public Notice to become part of the record and be considered in the decision. Please contact Mr. Richard Jackson at (907) 753-5646, toll free from within Alaska at (800) 478-2712, by fax at (907) 753-5567, or by email at Richard.G.Jackson@usace.army.mil if further information is desired concerning this notice.

APPLICANT: Coeur Alaska, Incorporated, 3031 Clinton Drive, Suite 202, Juneau, Alaska 99801-7106

LOCATION: The project site is located within Section 1, T. 36 S., R. 62 E., and Sections 4, 5, 6, 10, 14, 15, 23, 24, 25, and 36, T 35 S. R. 62 E., Copper River Meridian; USGS Quadrangle Map Juneau D-4; Latitude 58.7822° N., Longitude 135.0100° W.; 45 miles north of Juneau, Alaska.

PURPOSE: The applicant's stated purpose is to extend the time limit of DA permit modification POA-1990-592-M. In addition, this modification would correct minor discrepancies to the previously authorized permit and plans, resulting in an overall reduction in jurisdictional impacts. For a detailed description see the enclosed Attachment 1, 2 pages, dated April 10, 2009.

COMPLETED AND PROPOSED WORK: This permit modification would extend the time limit for completion of the authorized work to July 31, 2014. In addition, this permit modification references information and drawings contained in permit modification POA-1990-592-M, issued on June 17, 2005, which can be viewed at http://www.poa.usace.army.mil/reg/PNNew.htm.

The following table represents the proposed modifications and/or clarifications to the plans authorized in DA permit modification POA-1990-592-M:

Current Permit (POA-1992-592-M)	Original Date	Proposed Modification (POA-1992-592-M6)	Modified Date
Tables 1 and 2	Undated	Table 1, 2 sheets	June 8, 2009
Sheet 1	April 2005	Sheet 1	June 8, 2009
Sheets 2-4, 8, 12	April 2005	DELETED	DELETED
Sheet 5	April 2005	Sheet 2	June 8, 2009
Sheet 5E	April 2005	Sheet 3	June 8, 2009
Sheet 5D	April 2005	Sheet 4	June 8, 2009
Sheet 5C	April 2005	Sheets 5 and 6A	June 8, 2009
Sheet 5B	April 2005	Sheet 7A	June 8, 2009
Sheet 5A*	April 2005	Sheet 10	June 8, 2009
NEW SHEETS	NEW SHEETS	8, 9A, 11, and 12	June 8, 2009

Note: Sheets 4 and 11, dated June 8, 2009, depict some of the same areas as depicted in Sheets 13 and 14, dated April 2005. *In addition, Sheet 5A, dated April 2005, was retained for purposes of depicting the activities authorized under Section 10 of the Rivers and Harbors Act, while Sheet 10, dated June 8, 2009, clarifies the activities authorized under Section 404 of the Clean Water Act in the same area. Sheets 6, 7, 8A, 8B, 9, 10**, 11, 13, and 14, of DA permit modification POA-1990-592-M, dated April 2005, remain unchanged. (**Sheet 10 was modified May 2009 to remove a U.S. waters correlation that did not match corrected wetland delineation data, however, the overall drawing remained the same.)

As further explained in Attachment 1, these plan changes reflect: wetland mapping updates and corrections; minor variations from construction activities authorized under the initial permit; subsequent modifications; and other on site construction requirements. Specifically, the changes include the following:

1. Accounting for a topsoil stockpile within a wetland along the Jualin Access Road created as a part of the 2005 construction activities (Table 1, Area 31);

2. Proposed placement of an avalanche protection structure and access road (Table 1, Area 8(A)); and,

3. Proposed placement of a topsoil stockpile in the tailings area (Table 1, Area 36).

ADDITIONAL INFORMATION: A total of 83.4 acres of fill was authorized under DA permit modification POA-1990-592-M, and as of December 2008, 45.2 acres of waters of the U.S. had been filled. The overall impact to waters of the U.S. as a result of this modification would be a net reduction of 3.1 acres of similar palustrine habitat as previously authorized. See Table 1 (2 sheets), which summarizes the overall changes in project impact.

MITIGATION: Mitigation measures were evaluated and required as an integral part of DA permit modification POA-1990-592-M. Since the changes proposed in this modification request would result in an overall reduction of impacts to waters of the U.S., no additional mitigation measures were proposed.

WATER QUALITY CERTIFICATION: The Alaska Department of Environmental Conservation issued a water quality certification on May 6, 2005, and is in effect until May 5, 2010.

COASTAL ZONE MANAGEMENT ACT CERTIFICATION: Applicant supplied information contained in this proposed permit modification was reviewed by the Division of Coastal and Ocean Management, Department of Natural Resources, who found

that the project was consistent with the Alaska Coastal Management Program (State I.D. No. 2009-0617J) per their July 6, 2009, correspondence.

CULTURAL RESOURCES: Potential impacts to cultural resources were evaluated during the issuance of DA permit modification POA-1990-592-M. This proposal is within the scope of the original evaluation and no additional changes to any cultural resources are anticipated. This public notice is being coordinated with the State Historic Preservation Office.

ENDANGERED SPECIES: Potential impacts to endangered species were evaluated during the issuance of DA permit modification POA-1990-592-M. This proposal is within the scope of the original evaluation and no changes in endangered species impacts are anticipated. This public notice is being coordinated with the U.S. Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS).

ESSENTIAL FISH HABITAT: Potential impacts to essential fish habitat (EFH) were evaluated during the issuance of DA permit modification POA-1990-592-M. This proposal is within the scope of that permit evaluation and no change in EFH impacts are anticipated. This public notice is being coordinated with NMFS.

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

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

EVALUATION: The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to modify the permit as described above.

This evaluation will be based on the factors below and will rely on the revised record of decision dated March 29, 2006 for DA permit modification POA-1990-592-M to the greatest extent possible.

The decision whether to modify the permit will be based on an evaluation of the probable impacts including cumulative impacts of the proposed activity and its intended use on the public interest. Evaluation of the probable impacts, which the proposed activity may have on the public interest, requires a careful weighing of all the factors that become relevant in each particular case. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. The outcome of the general balancing process would determine whether to authorize a proposal, and if so, the conditions under which it will be allowed to occur. The decision should reflect the national concern for both protection and utilization of important resources. All factors, which may be relevant to the proposal, must be considered including the cumulative effects thereof.

Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving 404 discharges, a permit modification will be denied if the discharge that would be authorized by such permit modification would not comply with the Environmental Protection Agency's 404(b)(1) guidelines. Subject to the preceding sentence and any other applicable guidelines or criteria (see Sections 320.2 and 320.3), a permit modification will be granted unless the District Commander determines that it would be contrary to the public interest.

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

(X) Perform work in or affecting navigable waters of the United States - Section 10 Rivers and Harbors Act 1899 (33 U.S.C. 403).

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

Project drawings, an attachment, and a table are enclosed with this Public Notice.

District Commander
U.S. Army, Corps of Engineers

Enclosures

Table 1 Kensington Gold Project – Permit Modification POA-1990-592-M6 – Facility Acres

Area	Description	Status 2008	Permitted Acres of Fill in Waters of the U.S. per 2005 Permit Table 1	Actual Waters of U.S. Acres Filled as of December 2008	Requested Acres of Total Fill in Waters of the U.S. 2008 update	Fill Volume (Cubic Yards)	Difference Between 2005 Permit and Updated 2008	Acres to be Reclaimed as Wetlands or Waters
1	Kensington Comet Beach Camp	Existing / Permitted	0	0	0	0	0	NA
2	Kensington Access Road	Existing / Permitted	0.9	0	0	0	-0.9	NA
3	Kensington Borrow Pit #1	Not built	0.3	0	0	0	-0.3	NA
4	Kensington Development Rock Stockpile Expansion	Existing / Permitted	5.1	1.1	4.5	220,000	-0.6	8
5	Kensington Water Treatment Plant & Ponds and Expansion Area	Existing / Permitted	2.6	2.6	3.5	85,000	+0.9	3.5
6	Kensington Snow / Topsoil Stockpile	Existing / Permitted	2.1	0	2.1	10,000	0	2.1
7	Kensington 2050 Level Portal Dev. Rock Storage	Existing / Permitted	0	0	0	0	0	0
8	Jualin Process Area	Built	1.1	2.0	2.0	97,000	+0.9	NA
8A	Jualin Avalanche Berms & Road	Not built		0	0.3	23,000	+0.3	NA
9/9A	Jualin Development Rock Storage	Mostly Built	4.3	2.0	2.5	121,000	-1.8	1.7
10	Jualin Storm Water Treatment Pond	Built	0	0.1	0.1	1,500	+0.1	NA
11	Jualin Process Area Snow/Topsoil Stockpile	Built	0	0.2	0.2	3,000	+0.2	0.6
12	Jualin Pumphouse	Built	0.1	0.1	0.1	1,500	0	NA
13	Jualin Access Road	Existing / Built	8.2	7.7	7.7	37,000	-0.5	0.6
14	Jualin Laydown #1	Built	0.4	0	0	0	-0.4	NA
15	Jualin Laydown #2	Built	3.5	0	0	0	-3.5	NA
16	Jualin Laydown #3	Built	0.8	0	0	0	-0.8	NA
17	Jualin Admin. Area	Built	2.5	0.1	0.1	1,500	-2.4	2.5
18	Jualin Borrow Source #1	Built	0	0	0		0	0.2
19	Jualin Borrow Source #2	Built	0.1	1.1	1.1	10,500	+1.0	
20	Jualin Borrow Source #3	Built	2.4	1.2	1.2	11,500	-1.2	6.0
21	Jualin Borrow Source #4	Not built	0.7	0	0	0	-0.7	NA

Area	Description	Status 2008	Permitted Acres of Fill in Waters of the U.S. per 2005 Permit Table 1	Actual Waters of U.S. Acres Filled as of December 2008	Requested Acres of Total Fill in Waters of the U.S. 2008 update	Fill Volume (Cubic Yards)	Difference Between 2005 Permit and Updated 2008	Acres to be Reclaimed as Wetlands or Waters
22	LSL Tailings Pipeline & Access Road (Upper)	Partially built	4.7	0	4.3	41,500	-0.4	4.3
23	LSL Tailings Facility Access Road (Lower)	Mostly built	0.3	1.3	1.4	13,500	+1.1	2.8
24	LSL Tailings Lake (tailings as fill)	Not built	23.5	0	23.5	3,920,000	0	(23.5)
25	LSL Tailings Lake Margin Working Area	Partially occupied	8.5	10.9	10.9	500	+2.4	8.7 (38.5)
26	LSL Tailings Dam Borrow Source	Partially built	0.3	0.3	0.3	3,000	0	0
27	LSL Tailings Pipeline Road (Mill to Snowslide Gulch)	Partially built	3.0	0.2	0.4	3,500	-2.6	2.2
28	LSL Tailings Dam & Plunge Pool Area	Partially built	5.9	6.1	6.1	236,000	+0.2	2.4
29	Slate Creek Cove Marine Terminal	Built	1.9	0.5	0.5	12,000	-1.4	3.2
30	Slate Creek Cove Snow/Stockpile Area	Built	0.2	0	0	0	-0.2	0.5
31	Jualin Topsoil Stockpile	Built		6.8	6.8	300,000	+6.8	6.8
32	Jualin Borrow Source #6	Partially built		0.1	0.1	1,500	+0.1	0
33	Jualin Borrow Source #7	Built		0.8	0		0	NA
34	Jualin Reclamation Material Area	Built	0	0	0	0	0	0
36	LSL Tailings Area Topsoil Stockpile	Not built		0	0.6	14,500	+0.6	0.6
	TOTALS		**83.4**	**45.2**	**80.3**	**5,168,500**	**-3.1**	**110.0**

Reasons for changes in Acreage of Wetland Impacts
Kensington Gold Project – Permit # POA 1990-592-M6

There are two primary reasons and some additional minor reasons why wetland impact acres, on a parcel-by-parcel or facility-by-facility basis, are different than described in the 2005 permit. The primary reasons are: 1) a new wetland delineation on the Kensington side of the project area that showed less area to be wetland, and 2) the discovery of a mapping error on the Jualin side of the project area. The Jualin mapping error apparently resulted from translating a file from GIS to Autocad, resulting in some upland area being shown as wetland and showing upland/wetland mosaic areas as upland. Minor changes resulted from the actual construction conditions on the ground differing from planned leading to small changes from the permitted acres such that less wetland was filled in some areas and more in other areas. Other minor changes resulted from better distinguishing between wetland fill, subject to the 404 permit, and wetland excavation or clearing that are recognized as wetland impacts, but are not treated as fill in the permit. A slight overall net reduction in wetland fill is the end result of changes due to all of these reasons.

On the Kensington side, the permitted modification to the access road and the Kensington Borrow Pit #1 were not needed (0.9 and 0.3 acre of permitted wetland fill respectively). The redelineation of wetlands changed some areas previously recognized as wetland to upland. As a result, the Development Rock Stockpile has filled only 1.1 acres of wetland to date, and will fill only 4.5 acres at full development instead of 5.1 acres. To date, the water treatment plant and ponds have filled the permitted 2.6 acres of wetland, but needed modifications will fill an additional 0.9 acre of wetland. The Kensington Snow/Topsoil stockpile area has been used to store snow, but has not yet been used for topsoil, but will need to be, and the 2.1 acres permitted for this use will be needed. Therefore, instead of the 11 acres permitted for the Kensington facilities, only 10.1 acres need to be carried forward in the permit.

On the Jualin side, there are facility areas where the wetland impact area is smaller because the impact area was erroneously interpreted as wetland, but is actually upland. This includes the Jualin Development Rock Storage Area, Jualin Access Road, Jualin Pit #3, Jualin Laydown Areas #1, 2, and 3, the Jualin Administrative Area, the Tailings Pipeline Road from the mill to Snowslide Gulch, the Slate Creek Cove Marine Terminal, and the Slate Creek Cove Snow/Topsoil Stockpile Area. There are also facility areas where the wetland impact area is larger because the area previously interpreted as upland is actually upland/wetland mosaic with 25 percent of it being wetland. Those areas include the Jualin Process Area, Jualin Storm Water Treatment Pond, Jualin Process Area Snow/Topsoil Stockpile Area, Jualin Pit source #1, the Lower Slate Lake (LSL) Upper Tailings Pipeline and Access Road, the LSL Lower Tailings Facility Access Road, the LSL Tailings Lake Margin Working Area, the LSL Tailings Dam Borrow Source, and the LSL Tailings Dam and Plunge Pool Area. Since the Jualin Pit #3 is located in uplands and the acres of fill permitted for this facility were not used, a nearby (across the road) topsoil storage area was needed that was 6.8 acres in size, all in wetland. Jualin Pit #4 was not needed and none of the 0.7 acre fill was done there. A total of 14.5 acres of wetland impact is in cut (or excavation) areas rather than fill areas.

Two other areas on the Jualin side have no change, but bear some explanation. The Jualin Reclamation Material Area (parcel #34) was originally understood to be in upland and is still

understood to be in upland. Therefore, no CWA Section 404 permit acreage changes. At one time there was a Western Interceptor Ditch proposed (parcel #35) that would have affected wetlands. It is not currently in the plans.

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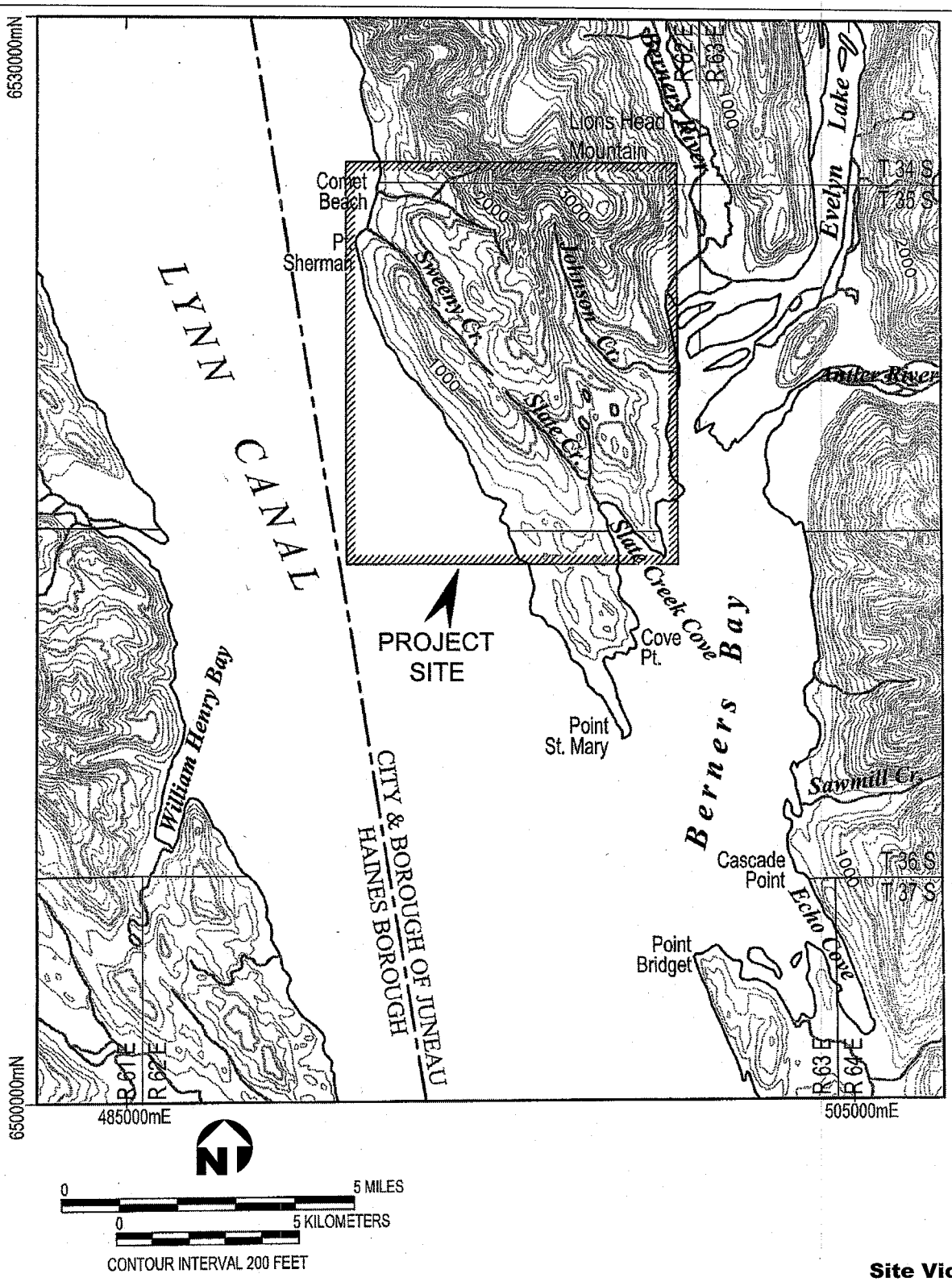


Site Vicinity

Applicant: Couer Alaska, Inc.
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Proposed: Kensington Gold Project

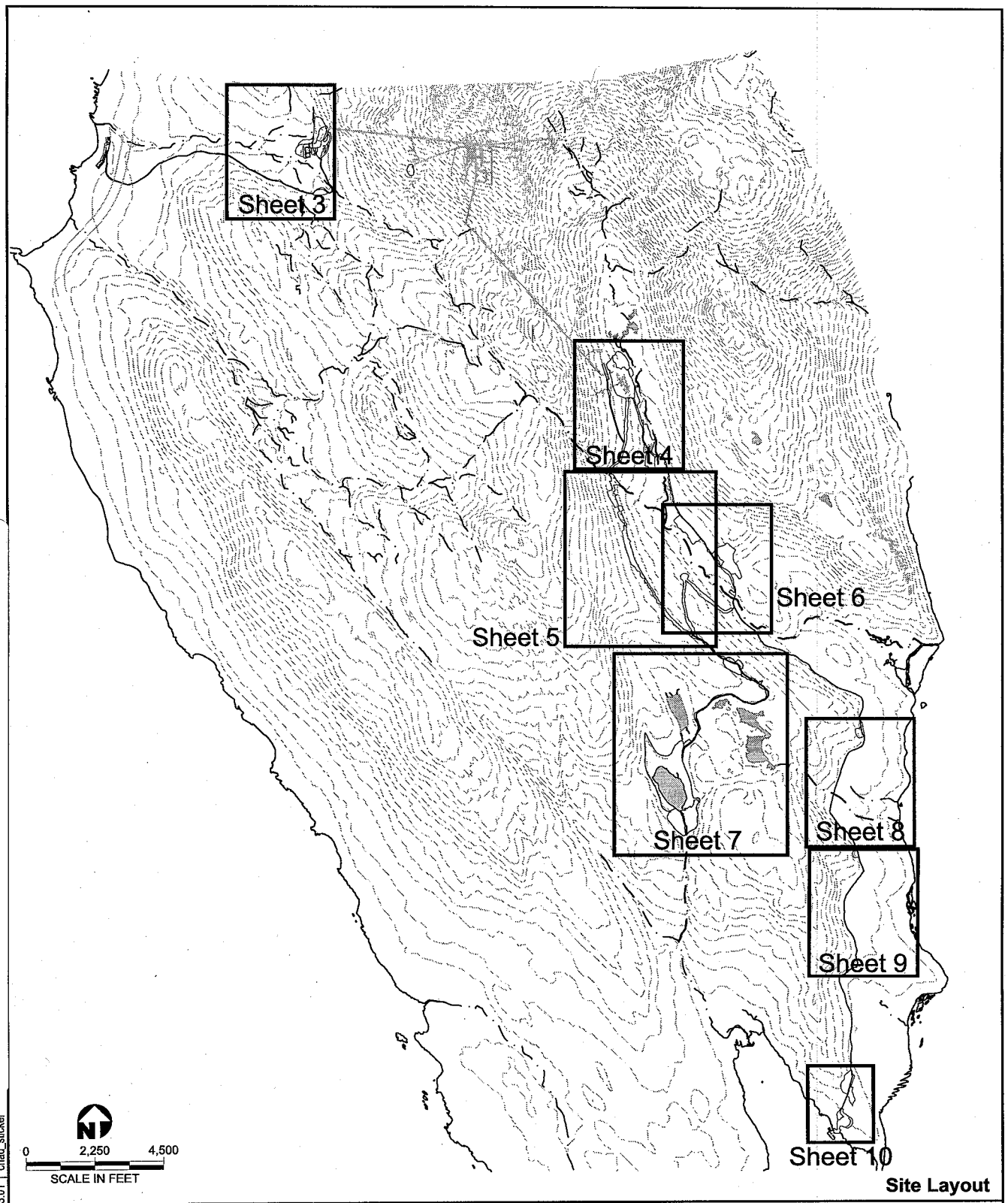
Purpose: Construction of mining related facilities and appurtenances

Near/At: T35S, R62E
Municipality: City and Borough of Juneau
State: Alaska

Date: May 2009

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 1

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 2



Site Layout

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

Proposed: Kensington Gold Project

Purpose: Construction of mining related facilities and appurtenances.

Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009

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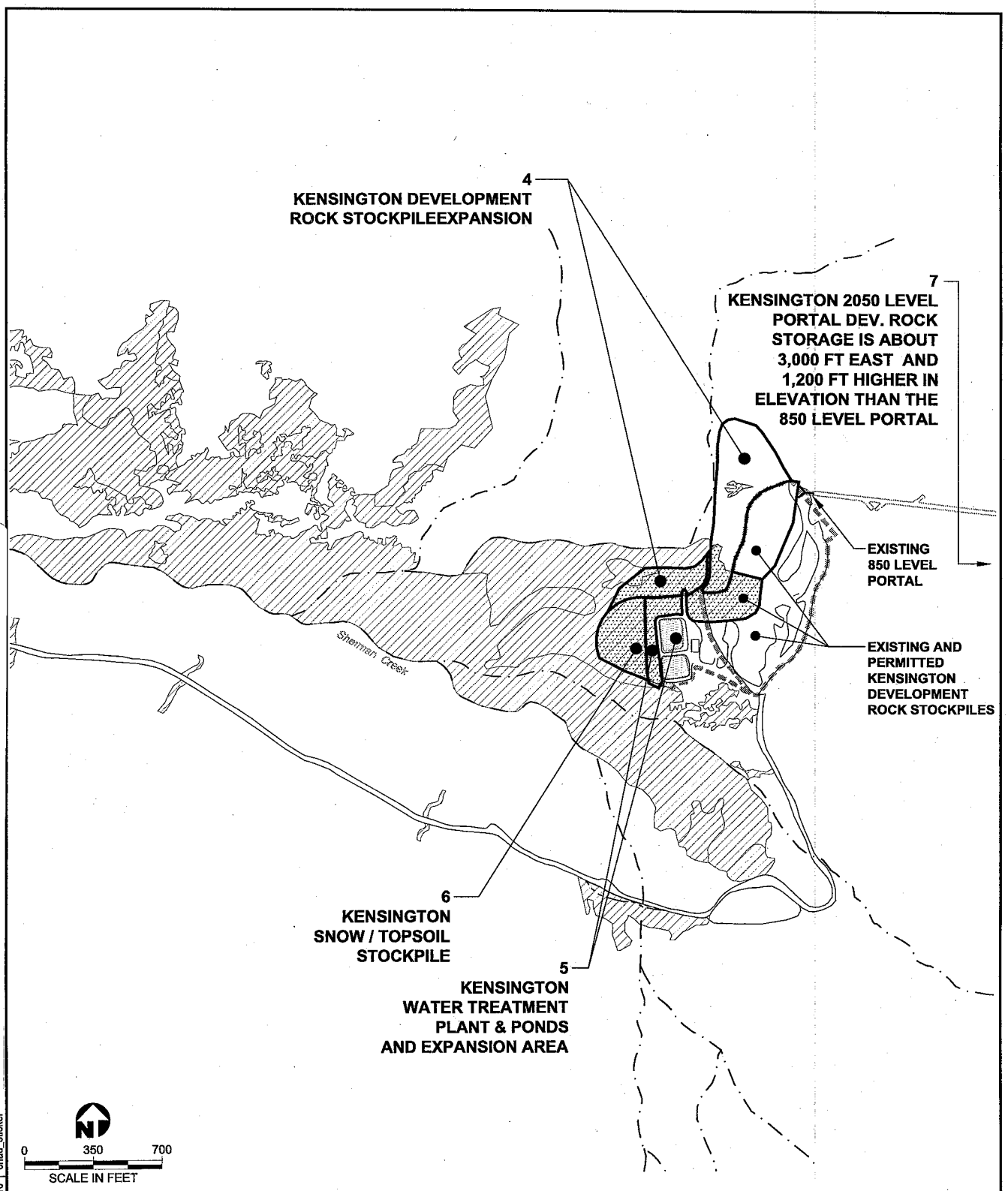
COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 3



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Legend

- Work Area Boundary
- Wetland
- 25% Wetland Mosaic
- Upland or Bay
- Fill Impact
- Cut Impact
- Existing Prior to Permitting

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

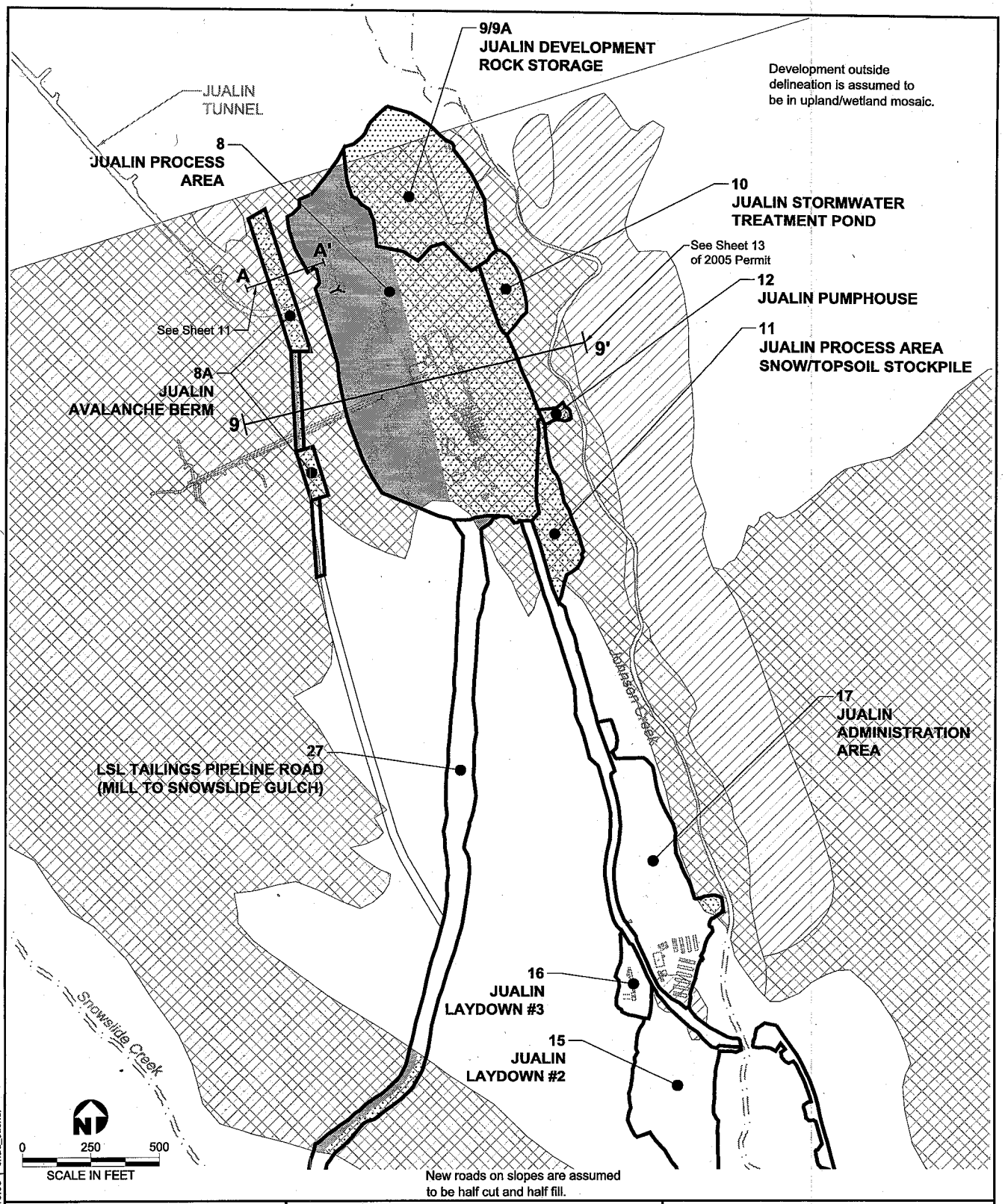
Proposed: Kensington Gold Project

Purpose: Construction of mining related facilities and appurtenances.

Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 4



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Legend

- Work Area Boundary
- Wetland
- 25% Wetland Mosaic
- Upland or Bay
- Fill Impact
- Cut Impact

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

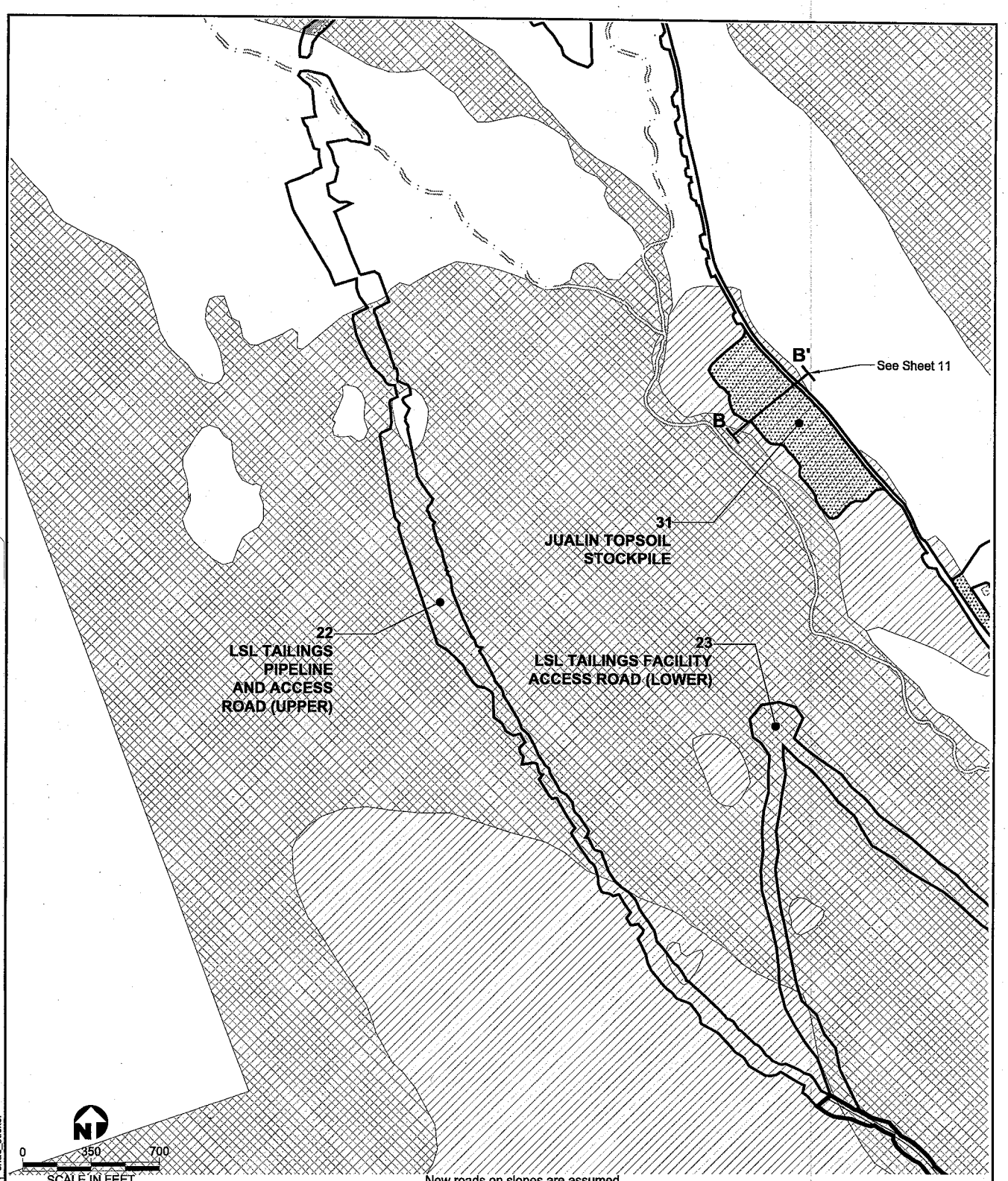
Proposed: Kensington Gold Project

Purpose: Construction of mining related facilities and appurtenances.

Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 5



New roads on slopes are assumed to be half cut and half fill.

Legend

- Work Area Boundary
- Wetland
- 25% Wetland Mosaic
- Upland or Bay
- Fill Impact
- Cut Impact

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

Proposed: Kensington Gold Project

Purpose: Construction of mining related facilities and appurtenances.

Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009

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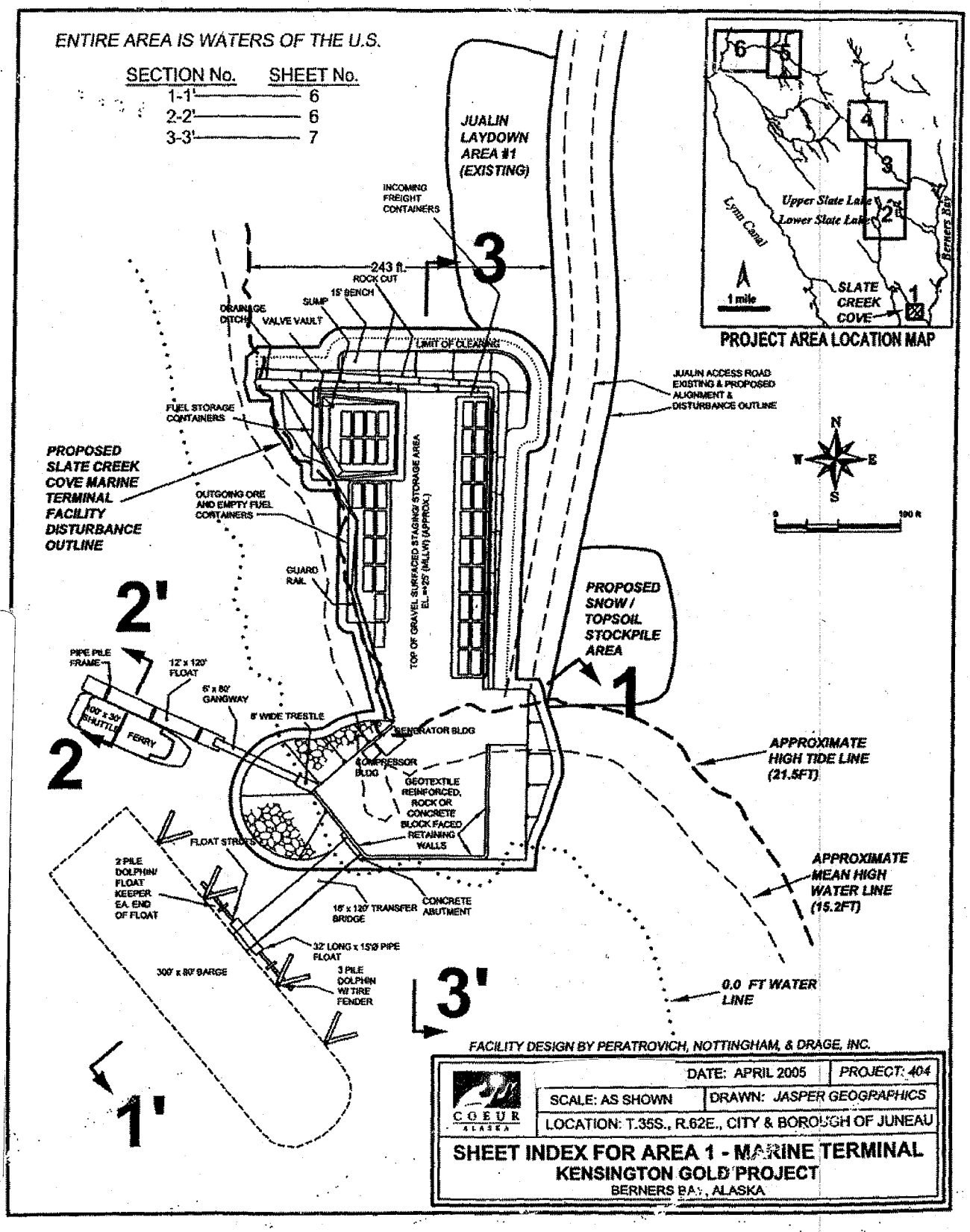
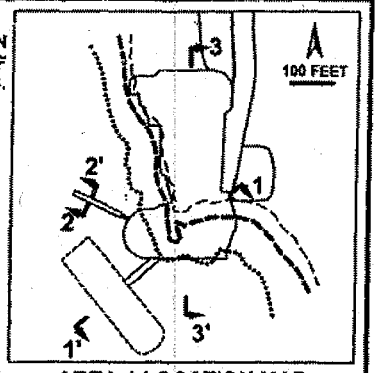


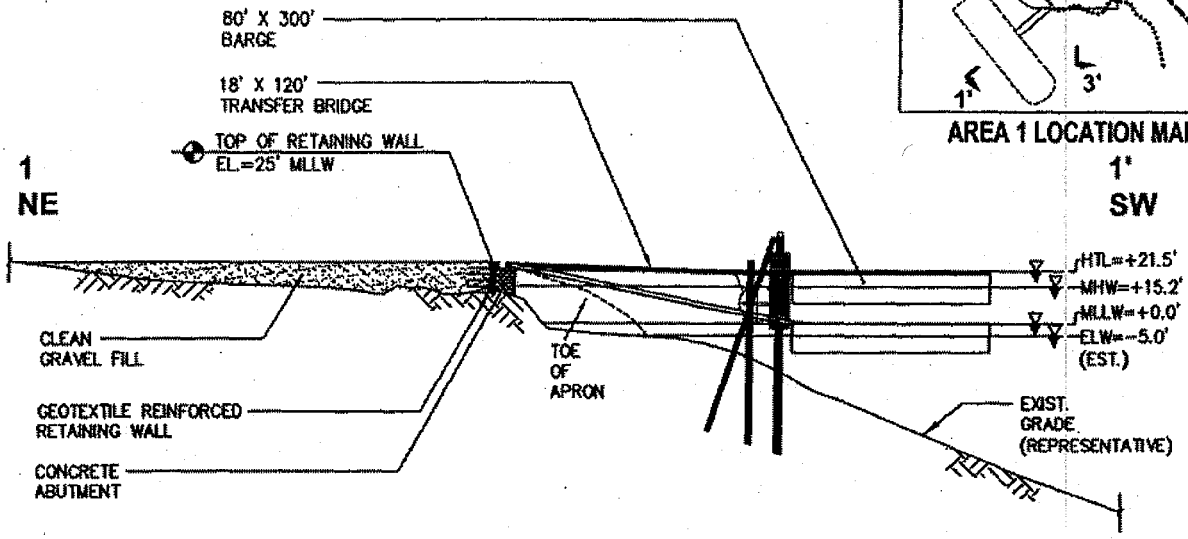
COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005
SHEET 5A

ENTIRE AREA IS IN THE WATERS OF THE U.S.

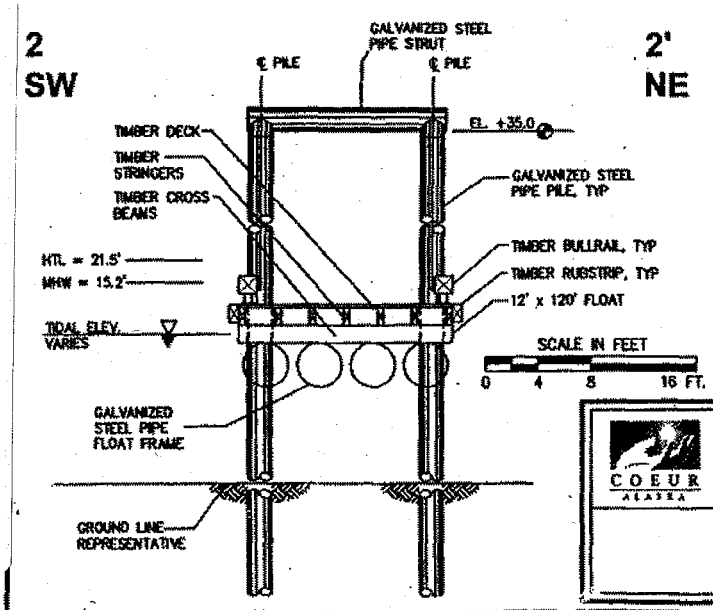


AREA 1 LOCATION MAP

SECTION 1-1'



SECTION 2-2'



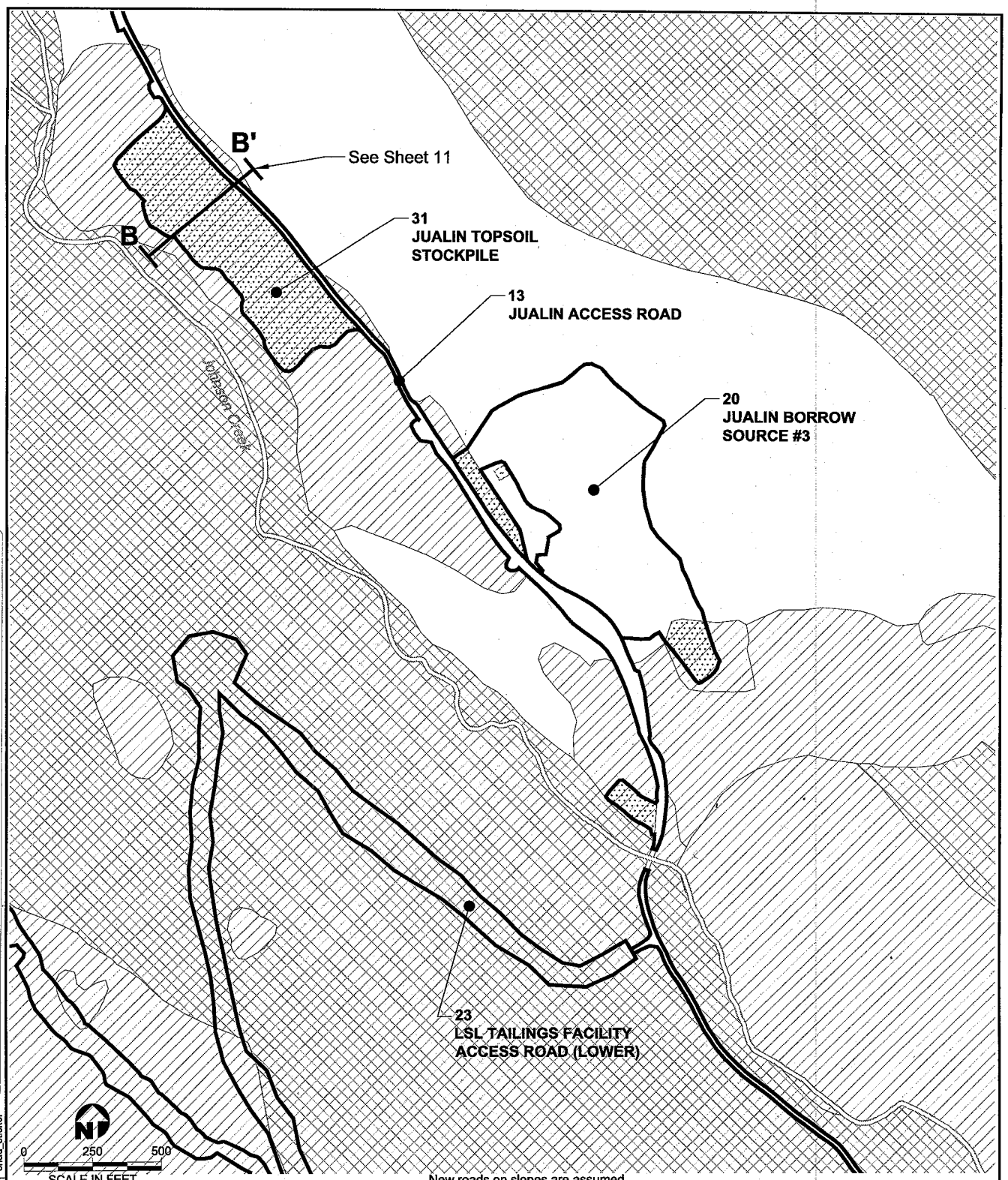
FACILITY DESIGN BY PERATROVICH, NOTTINGHAM, & DRAGE, INC.

COEUR ALASKA	DATE: APRIL 2005	PROJECT: 404
	SCALE: AS SHOWN	DRAWN: JASPER GEOGRAPHICS
	LOCATION: T.35S., R.62E., CITY & BOROUGH OF JUNEAU	

CROSS-SECTIONS 1-1' & 2-2'
KENSINGTON GOLD PROJECT
BERNERS BAY, ALASKA

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005
SHEET 6

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 6A



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Legend

- Work Area Boundary
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Permit No:

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Proposed: Kensington Gold Project

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Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009

T:\Misc-Jobs\Coeur Alaska\JARPA\Sheet 6 Jualin.dwg
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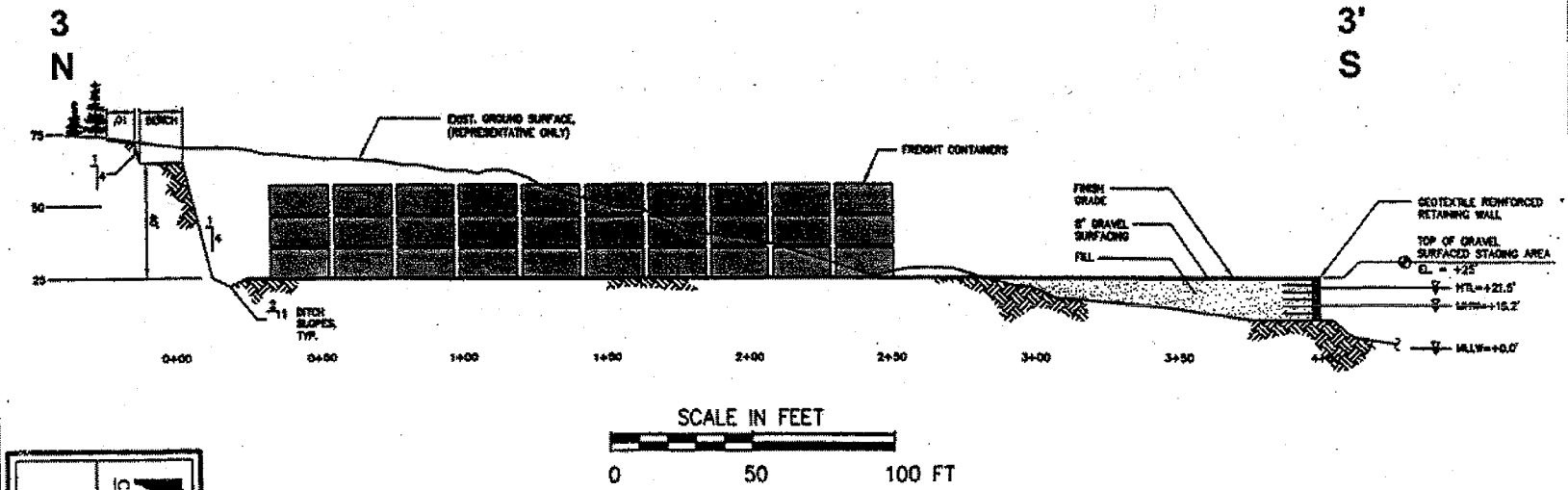
COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005
SHEET 7

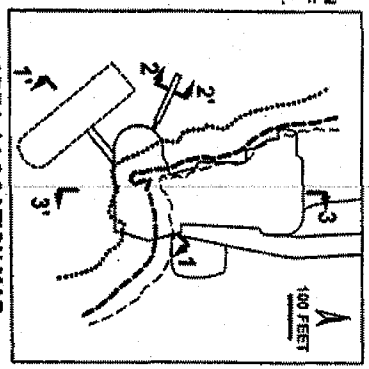
SECTION 3-3'



SCALE IN FEET

0 50 100 FT

ENTIRE AREA IS IN THE WATERS OF THE U.S.



AREA 1 LOCATION MAP

FACILITY DESIGN BY PERATROVICH, NOTTINGHAM, & DRAGE, INC.

COEUR ALASKA

SCALE: AS SHOWN	DATE: APRIL 2005
DRAWN: JASPER GEOGRAPHICS	PROJECT: 404

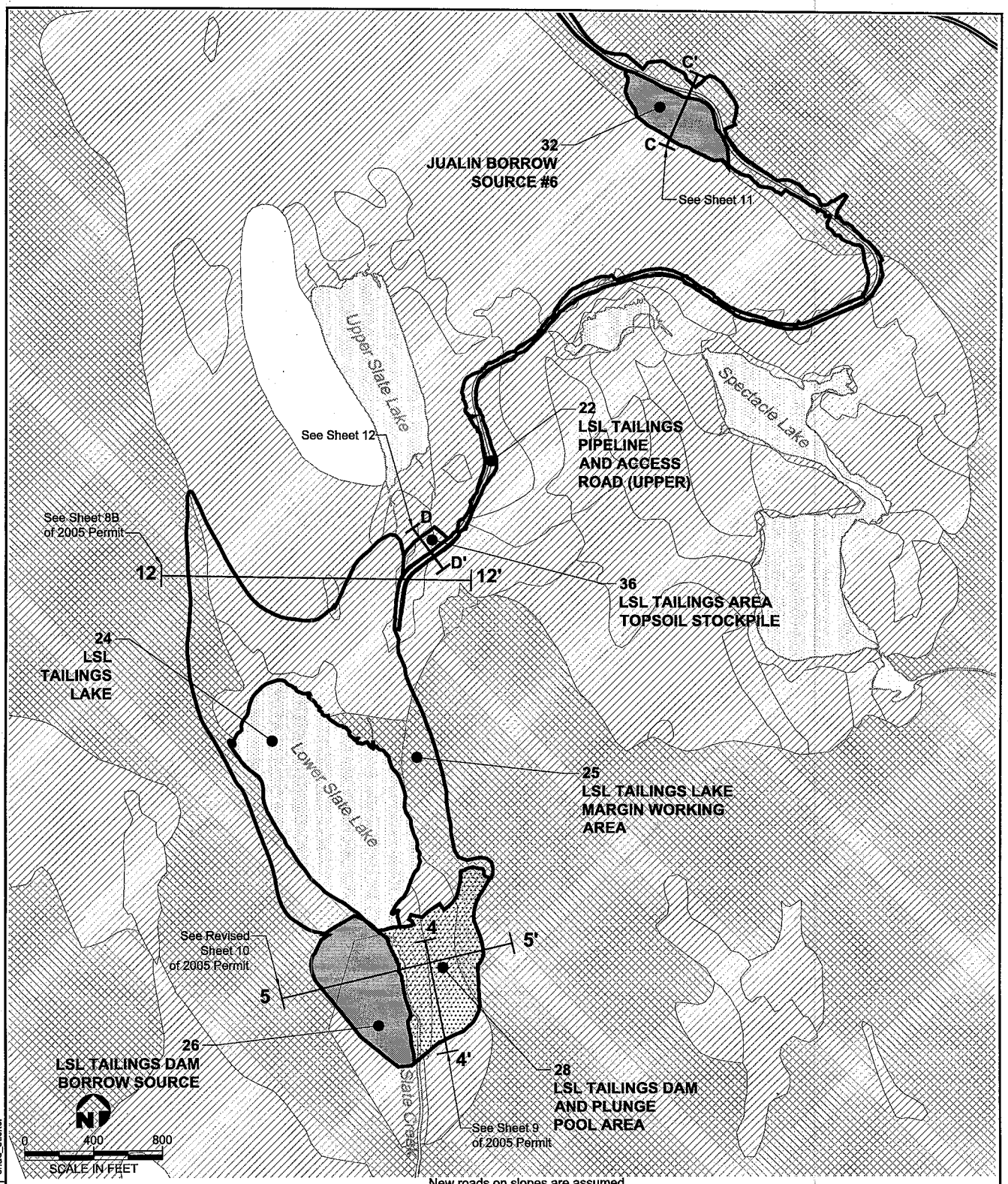
LOCATION: T.35S., R.62E., CITY & BOROUGH OF JUNEAU

CROSS-SECTION 3-3'

KENSINGTON GOLD PROJECT

BERNERS BAY, ALASKA

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 7A



New roads on slopes are assumed to be half cut and half fill.

T:\Misc-Jobs\Coeur Alaska\JARPA\Sheet 7 Tailings.dwg
Mod: 05/20/2009, 12:55 | Plotted: 05/20/2009, 13:04 | chad_stickel

Legend

- Work Area Boundary
- Wetland
- 25% Wetland Mosaic
- Upland or Bay
- Fill Impact
- Cut Impact

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

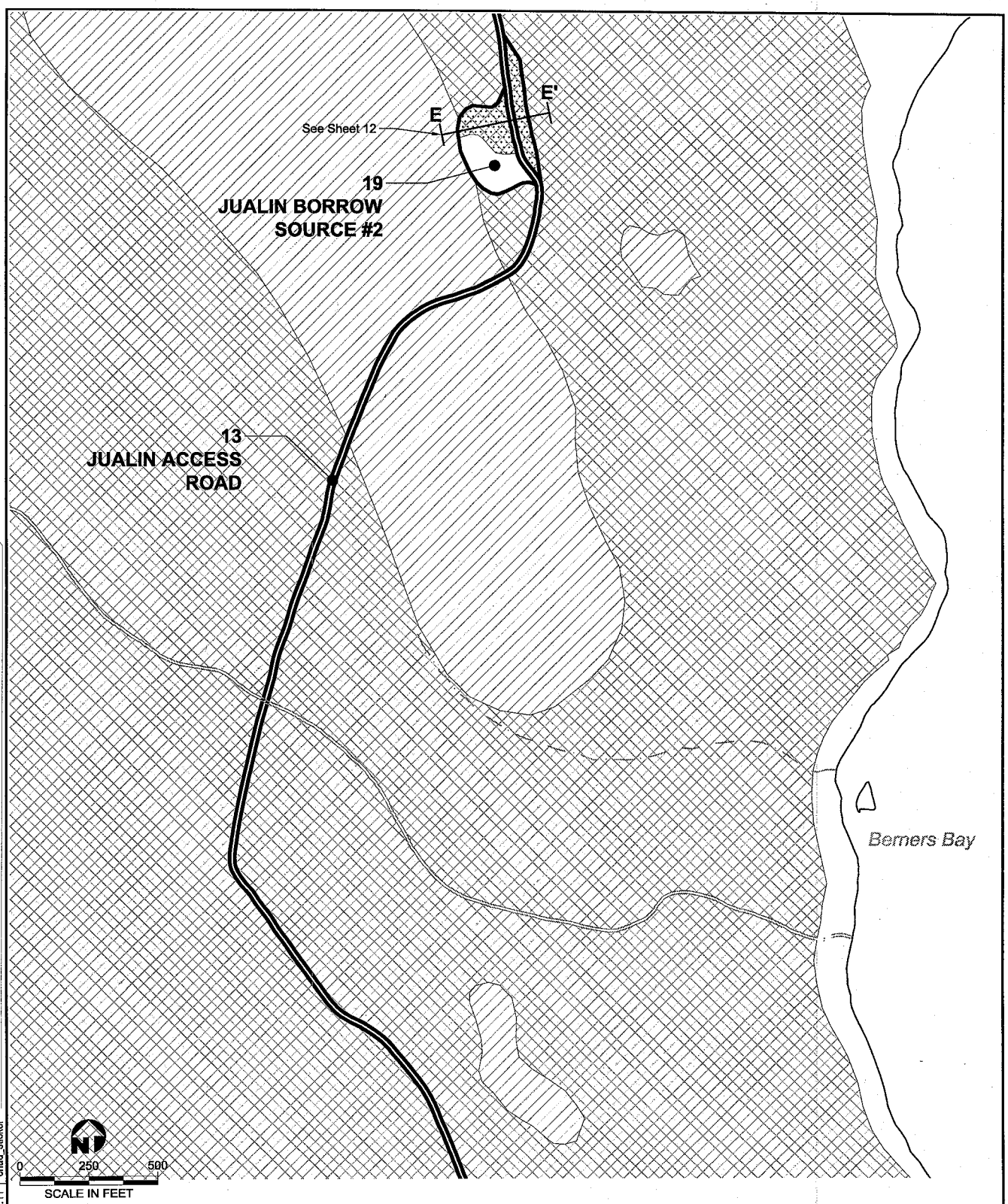
Proposed: Kensington Gold Project

Purpose: Construction of mining related facilities and appurtenances.

Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 8



Legend

- Work Area Boundary
- Wetland
- 25% Wetland Mosaic
- Upland or Bay
- Fill Impact
- Cut Impact

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

Proposed: Kensington Gold Project

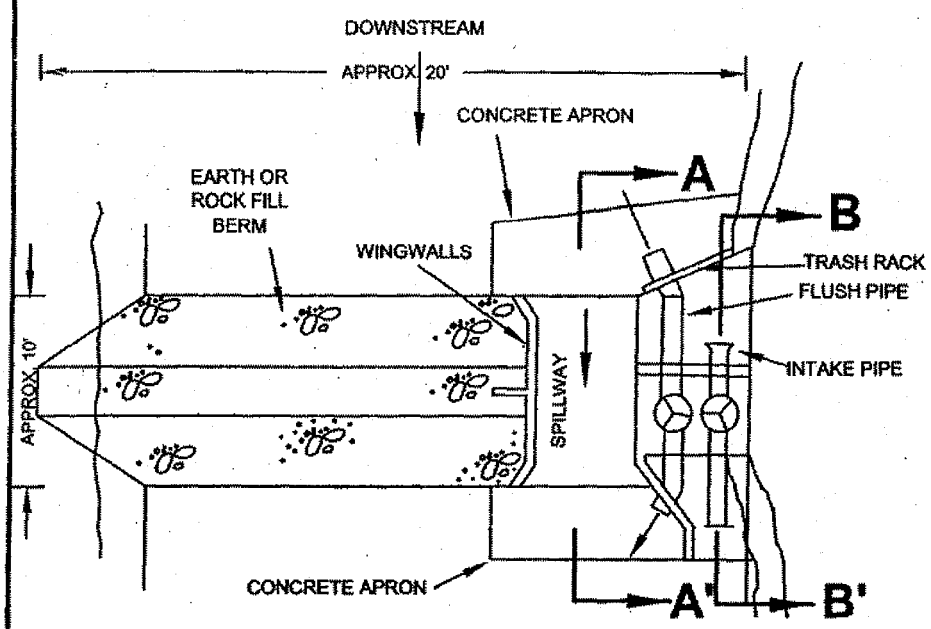
Purpose: Construction of mining related facilities and appurtenances.

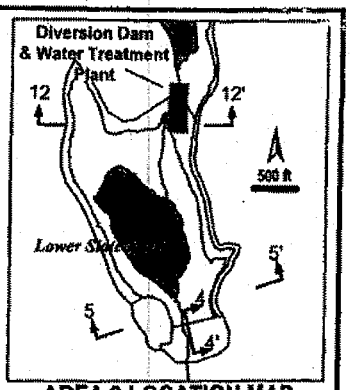
Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009

T:\Misc-Jobs\Coeur Alaska\JARPA\Sheet 8 Jualin Access Road.dwg
Mod: 05/20/2009, 11:59 | Plotted: 05/20/2009, 13:11 | chad_stickel

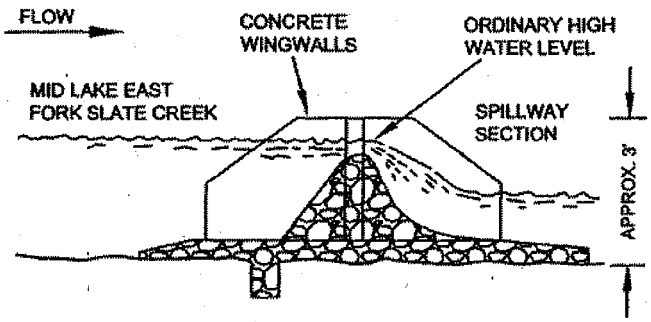
EARTH OR ROCKFILL DAM (PLAN)



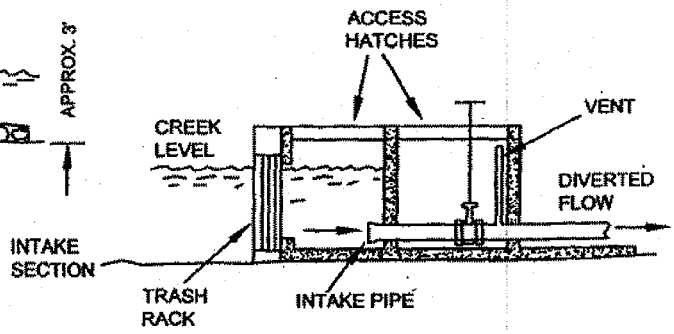


AREA 2 LOCATION MAP

SECTION A-A'



SECTION B-B'



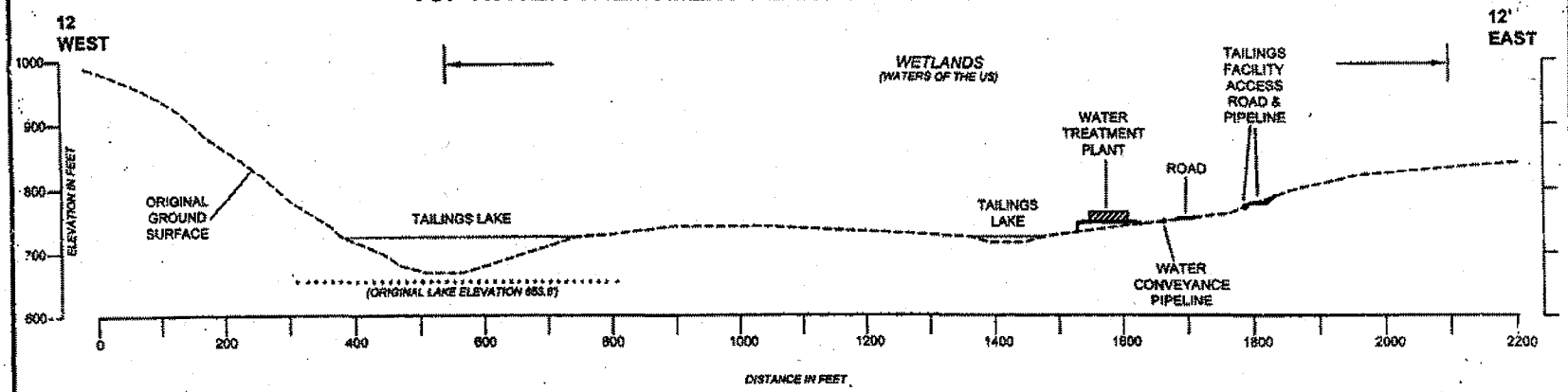
COEUR ALASKA	DATE: APRIL 2005	PROJECT: 404
	SCALE: AS SHOWN	DRAWN: JASPER GEOGRAPHICS
	LOCATION: T.35S., R.62E., CITY & BOROUGH OF JUNEAU	

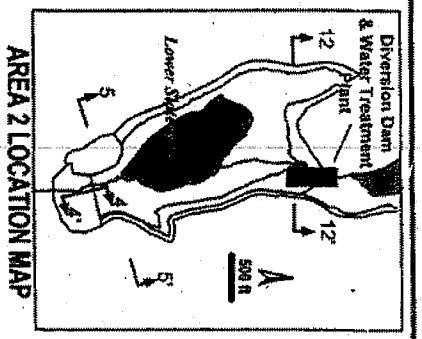
DIVERSION DAM PLAN & SECTION - TSF
KENSINGTON GOLD PROJECT
BERNERS BAY, ALASKA

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005
SHEET 8A

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005
SHEET 8B

TSF WATER TREATMENT PLANT CROSS-SECTION 12-12'





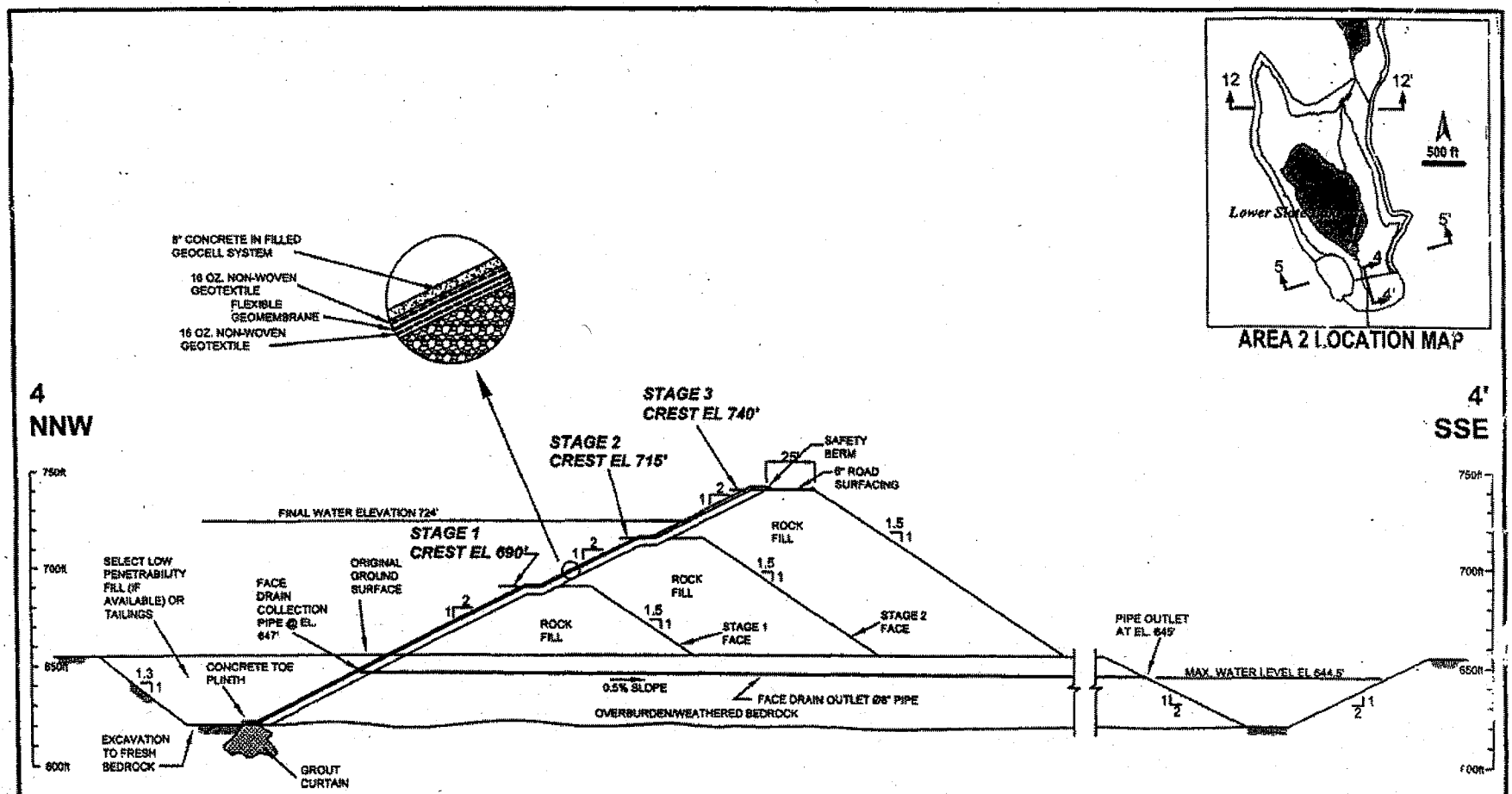
AREA 2 LOCATION MAP

COEUR ALASKA

DATE: APRIL 2005
PROJECT: 404
SCALE: NTS
DRAWN: JASPER GEOGRAPHICS
LOCATION: T.35S., R.62E., CITY & BOROUGH OF JUNEAU

CROSS-SECTION 12-12'
KENSINGTON GOLD PROJECT
BERNERS BAY, ALASKA

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005
SHEET 9

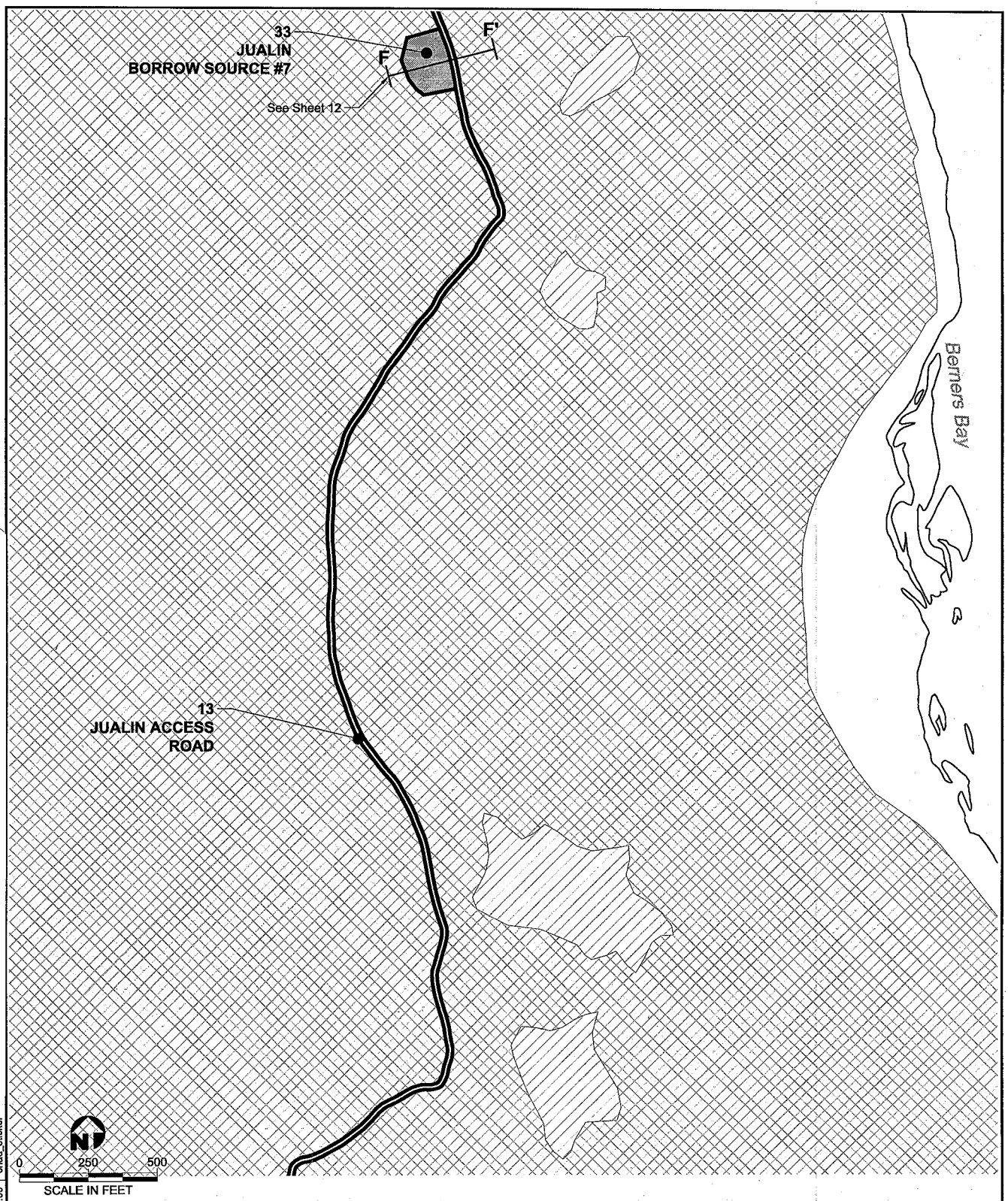


FACILITY DESIGN BY KNIGHT PIESOLD CONSULTING

COEUR ALASKA	DATE: APRIL 2005	PROJECT: 404
	SCALE: AS SHOWN	DRAWN: JASPER GEOGRAPHICS
	LOCATION: T.35S., R.62E., CITY & BOROUGH OF JUNEAU	

SECTION 4-4' TAILINGS STORAGE FACILITY DAM
KENSINGTON GOLD PROJECT
BERNERS BAY, ALASKA

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 9A



T:\Misc-Jobs\Coeur Alaska\JARPA\Sheet 9 Road.dwg
Mod: 05/20/2009, 12:06 | Plotted: 05/20/2009, 13:09 | chad_stickel

Legend

- Work Area Boundary
- Wetland
- 25% Wetland Mosaic
- Upland or Bay
- Fill Impact
- Cut Impact

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

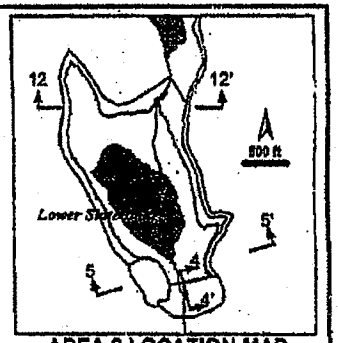
Proposed: Kensington Gold Project

Purpose: Construction of mining related facilities and appurtenances.

Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

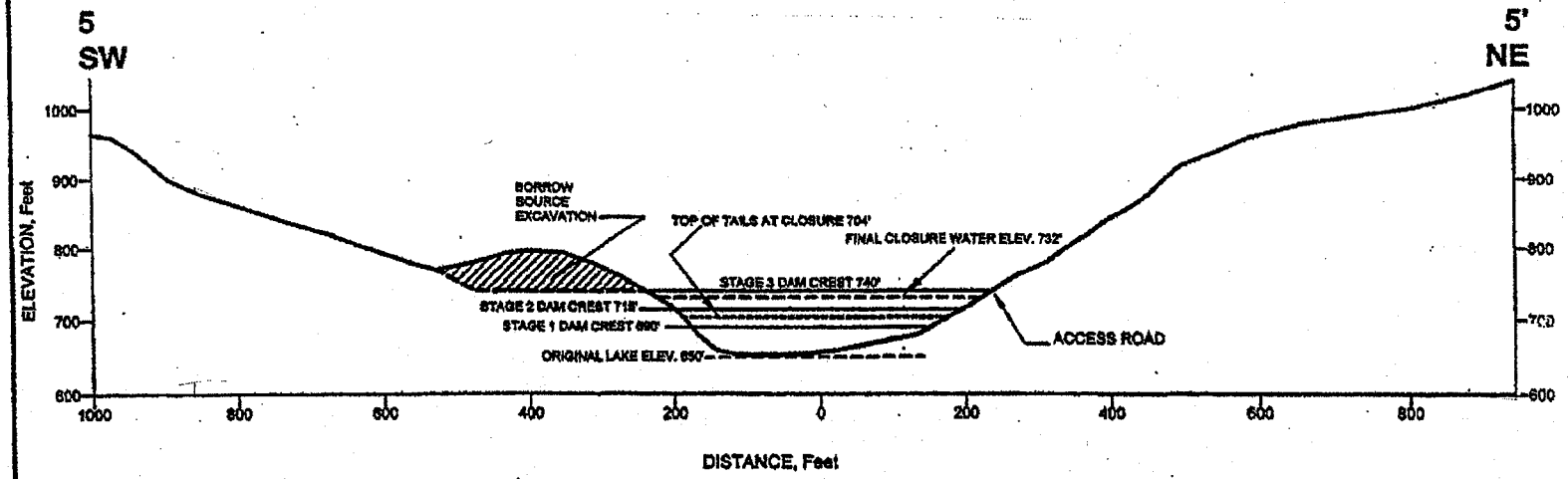
Date: May, 2009

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005 * MODIFIED MAY 2009
SHEET 10 *



AREA 2 LOCATION MAP

TAILINGS STORAGE FACILITY DAM

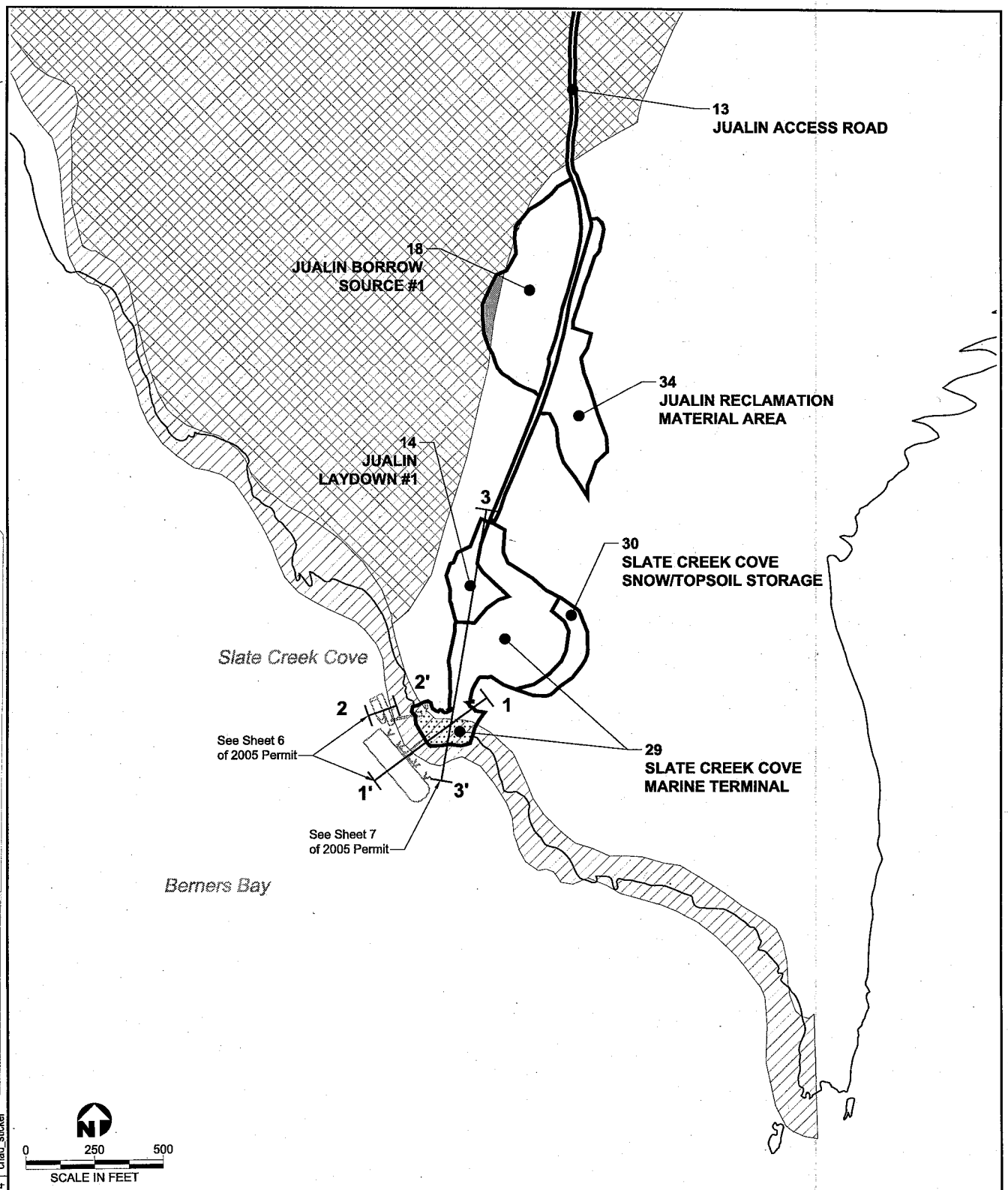


LEGEND:
NATURAL GROUND SURFACE
OPERATING & RECLAIMED SURFACE

COEUR ALASKA	SHEET 10 OF 14	DATE: APRIL 2005	PROJECT: 404
	SCALE: AS SHOWN	DRAWN: JASPER GEOGRAPHICS
	LOCATION: T.35S., R.62E., CITY & BOROUGH OF JUNEAU	

SECTION 5-5' TAILINGS STORAGE FACILITY DAM
KENSINGTON GOLD PROJECT
BERNERS BAY, ALASKA

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 10A



T:\Misc-Jobs\Coeur Alaska\JARPA\Sheet 10 Slate Creek Cove.dwg
Mod: 05/20/2009, 13:03 | Plotted: 05/20/2009, 13:14 | chad_stickel

Legend

- Work Area Boundary
- Wetland
- 25% Wetland Mosaic
- Upland or Bay
- Fill Impact
- Cut Impact

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

Proposed: Kensington Gold Project

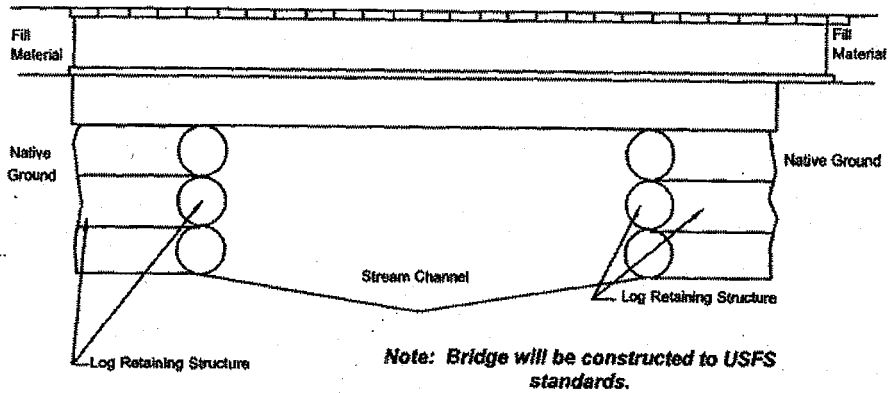
Purpose: Construction of mining related facilities and appurtenances.

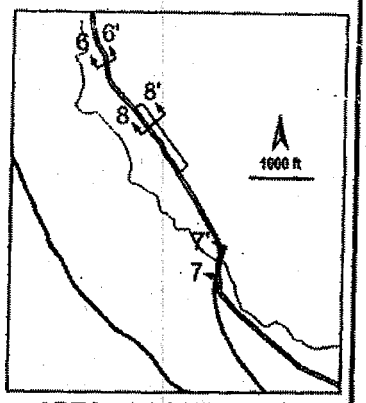
Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009

TYPICAL BRIDGE CROSSINGS

ENTIRE SECTION IS IN WATERS OF THE U.S.





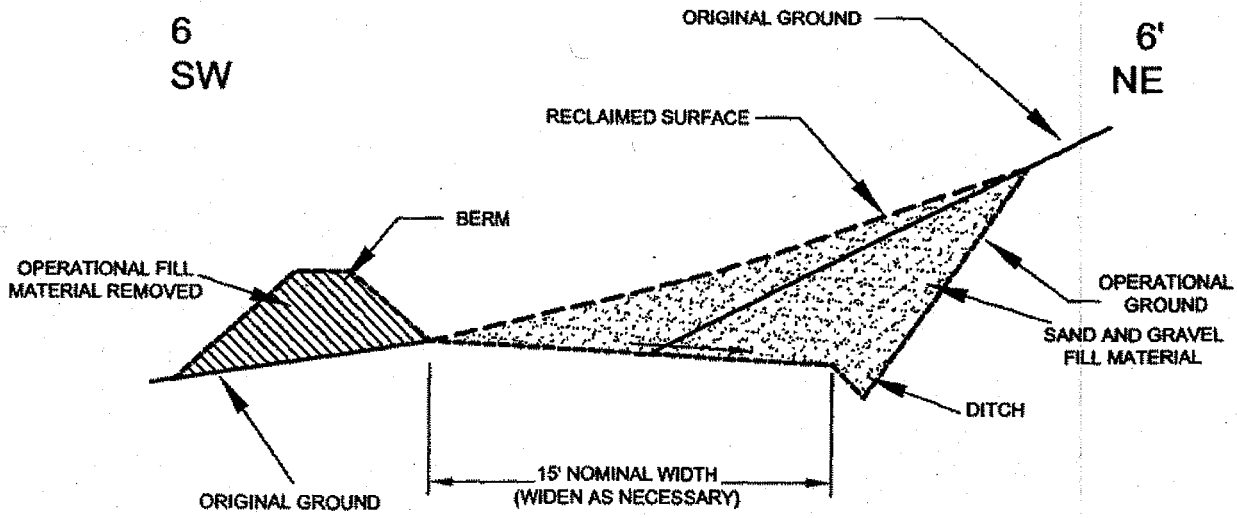
AREA 3 LOCATION MAP

Note: Bridge will be constructed to USFS standards.

NOT TO SCALE

TYPICAL ACCESS ROAD UPGRADE SECTION

ENTIRE SECTION IS IN WATERS OF THE U.S.



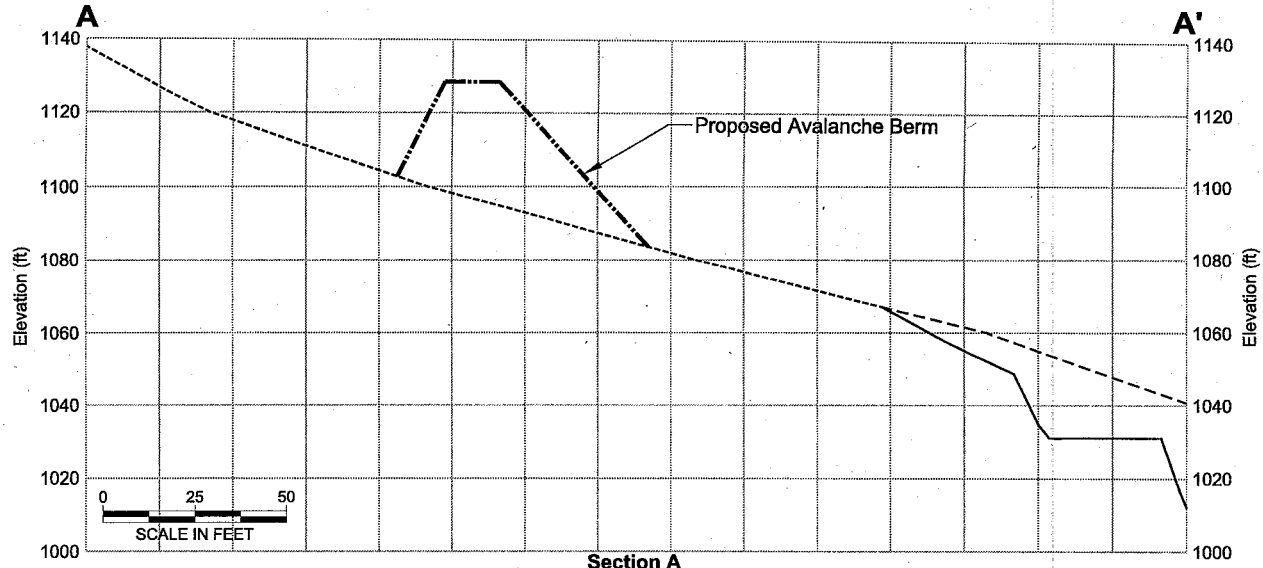
NOT TO SCALE

COEUR ALASKA	DATE: APRIL 2005	PROJECT: 404
	SCALE: AS SHOWN	DRAWN: JASPER GEOGRAPHICS
	LOCATION: T.35S., R.62E., CITY & BOROUGH OF JUNEAU	

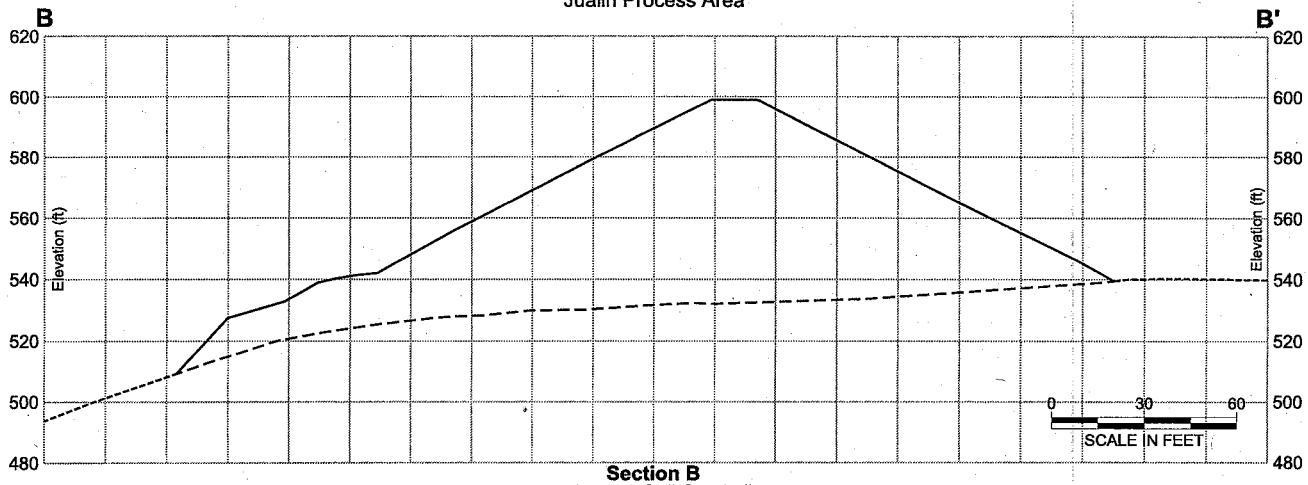
CROSS-SECTIONS 6-6' AND 7-7'
KENSINGTON GOLD PROJECT
BERNERS BAY, ALASKA

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005
SHEET 11

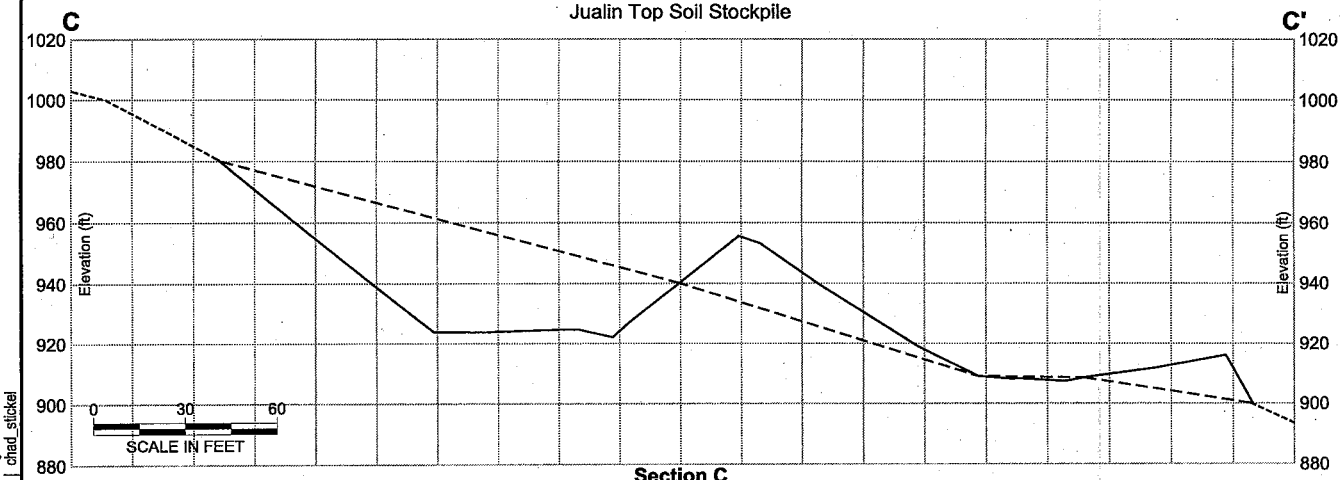
COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 11A



Section A
Jualin Process Area



Section B
Jualin Top Soil Stockpile



Section C
Jualin Borrow Source #6

Legend

- Existing Groundline
- Pre Construction Groundline
- AsBuilt Groundline

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

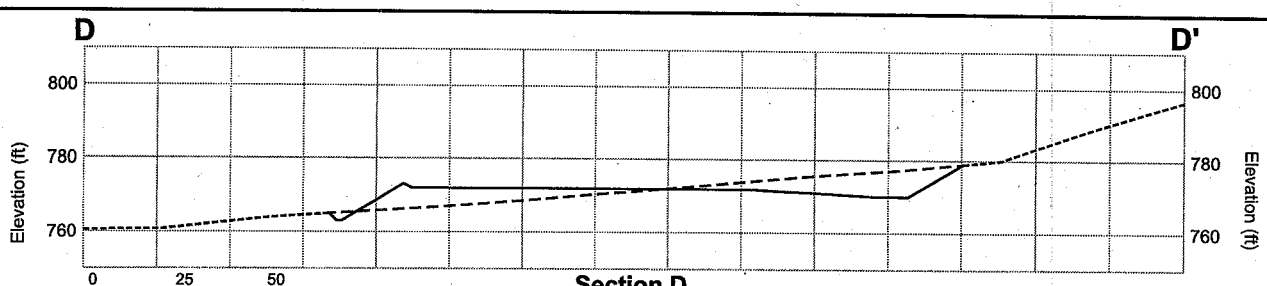
Proposed: Kensington Gold Project

Purpose: Construction of mining related facilities and appurtenances.

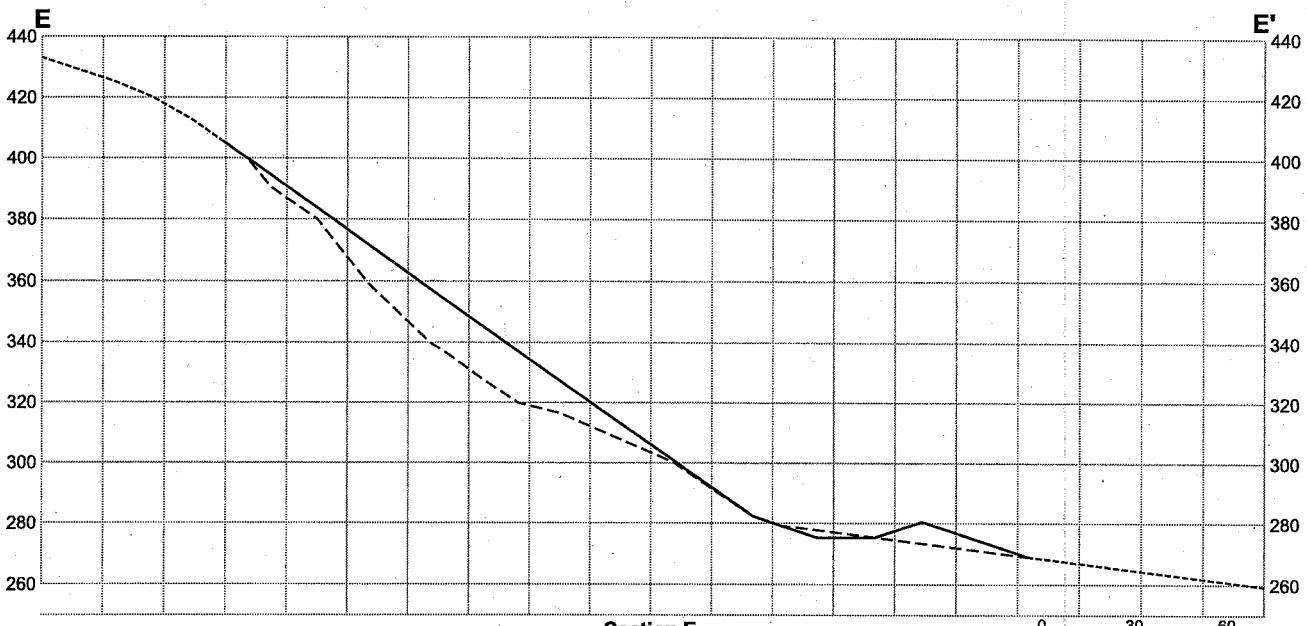
Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009

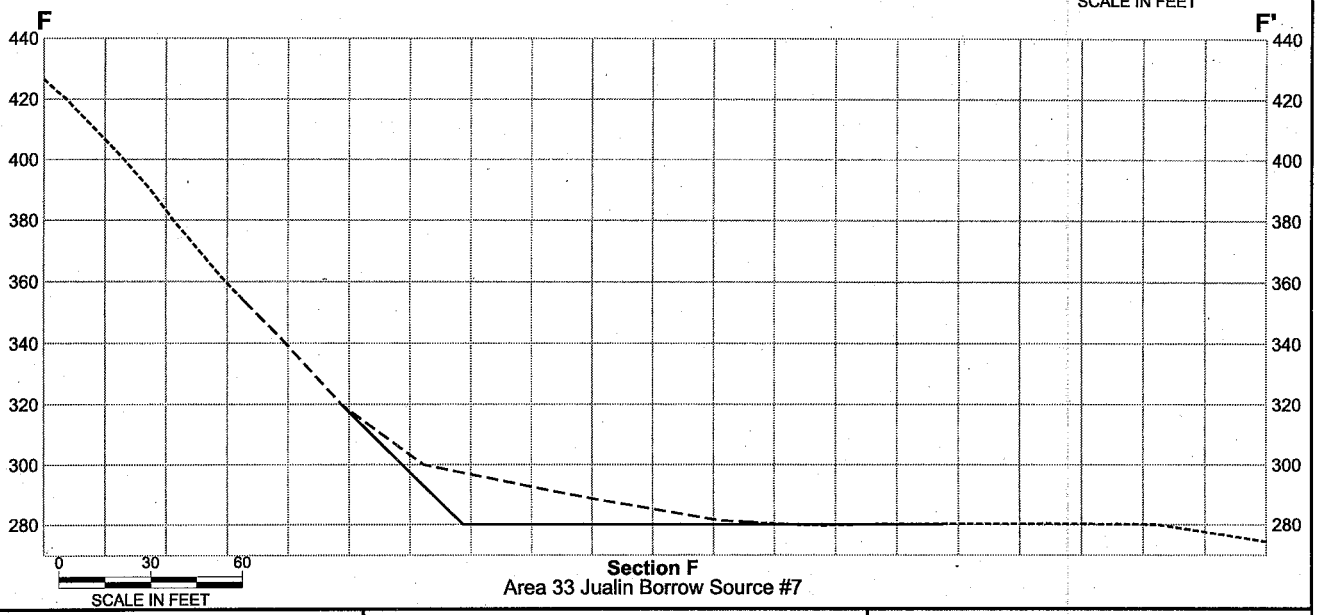
T:\Misc-Jobs\Coeur Alaska\JARPA\Sheet 11 Sections.dwg
Mod: 05/20/2009, 12:15 | Plotted: 05/20/2009, 13:07 | chad_stickel



Section D
LSL Tailings Area Topsoil Stockpile



Section E
Area 19 Jualin Borrow Source #2



Section F
Area 33 Jualin Borrow Source #7

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
MAY 21, 2009
SHEET 12

T:\Misc-Jobs\Coeur Alaska\JARPA\Sheet 12 Sections.dwg
Mod: 12/19/2008, 17:57 | Plotted: 05/20/2009, 13:03 | chad_stickel

Legend

- Existing Groundline
- Pre Construction Groundline
- AsBuilt Groundline

Applicant: Coeur Alaska, Inc
Permit No:

Location Address: Approximately Lynn Canal at Berners Bay, Juneau, Alaska

Adjacent Property Owners:
1. U.S. Forest Service

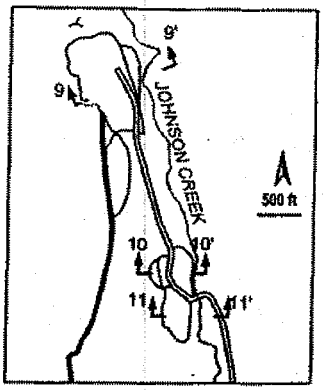
Datum: Alaska State Plane Zone 1
NAD 83 on a NAD 27 Baseline

Proposed: Kensington Gold Project

Purpose: Construction of mining related facilities and appurtenances.

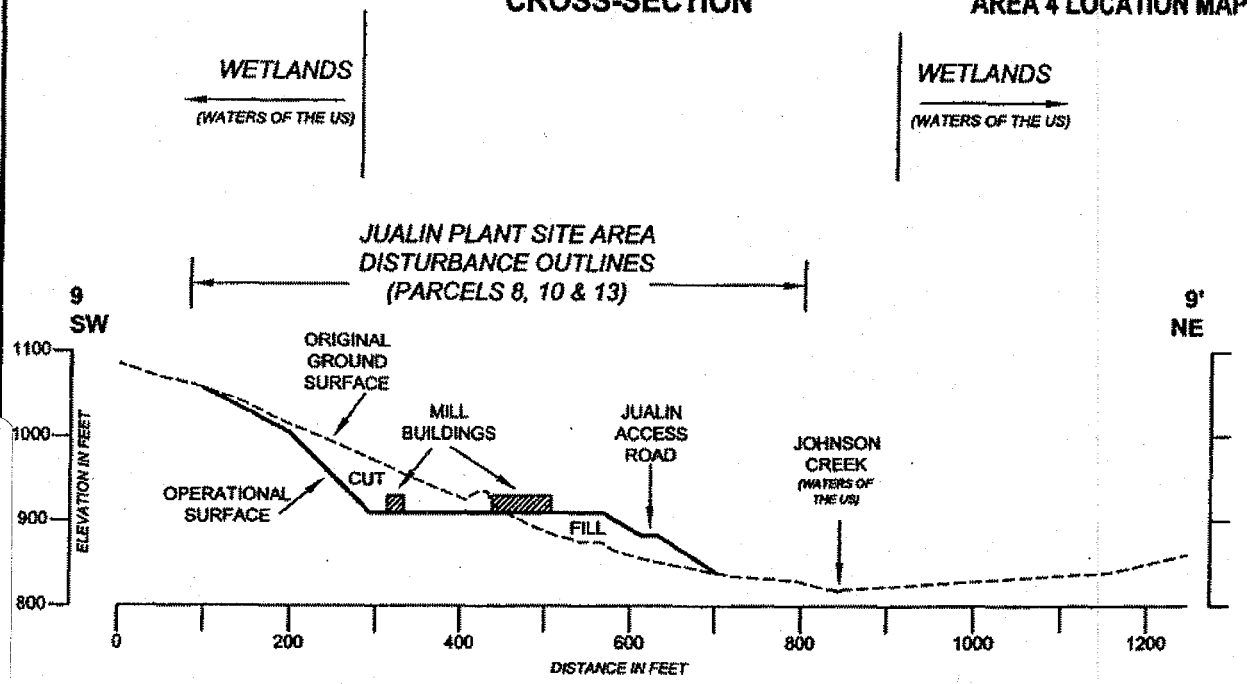
Near/At: T35S, R62E
Municipality: City and Burough of Juneau
State: Alaska

Date: May, 2009



AREA 4 LOCATION MAP

JUALIN PROCESS AREA CROSS-SECTION



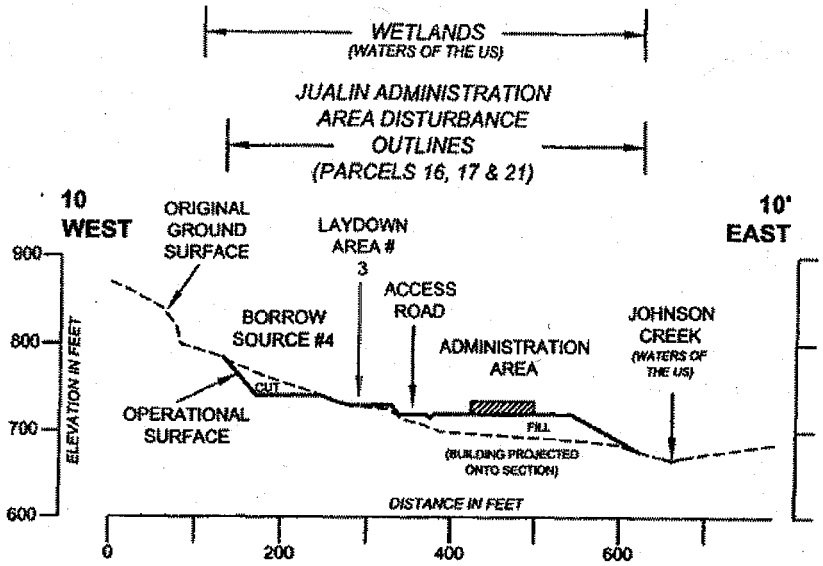
COEUR ALASKA

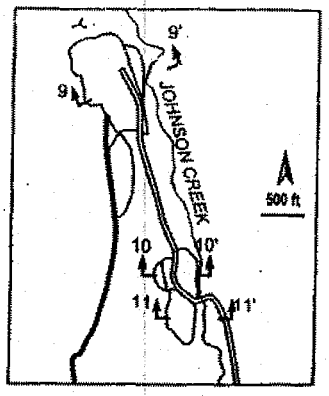
DATE: APRIL 2005	PROJECT: 404
SCALE: AS SHOWN	DRAWN: JASPER GEOGRAPHICS
LOCATION: T.35S., R.62E., CITY & BOROUGH OF JUNEAU	

CROSS-SECTION 9-9'
KENSINGTON GOLD PROJECT
BERNERS BAY, ALASKA

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005
SHEET 13

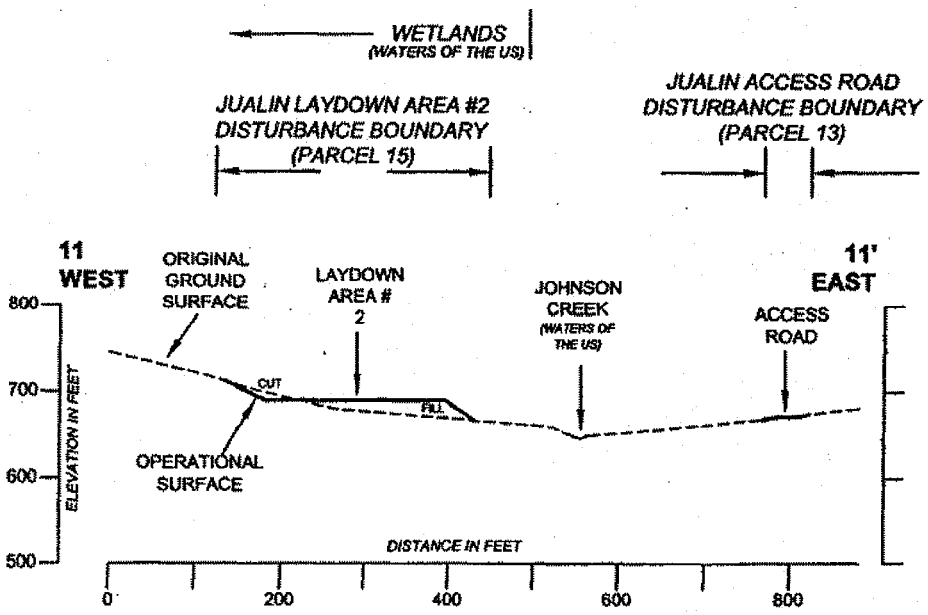
JUALIN ADMINISTRATION AREA CROSS-SECTION 10-10'





AREA 4 LOCATION MAP

JUALIN ADMINISTRATION AREA CROSS-SECTION 11-11'



COEUR ALASKA	DATE: APRIL 2005	PROJECT: 404
	SCALE: AS SHOWN	DRAWN: JASPER GEOGRAPHICS
	LOCATION: T.35S., R.62E., CITY & BOROUGH OF JUNEAU	

CROSS-SECTIONS 10-10' & 11-11'
KENSINGTON GOLD PROJECT
BERNERS BAY, ALASKA

COEUR ALASKA, INCORPORATED
POA-1990-592-M6
LYNN CANAL
APRIL 2005
SHEET 14