

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

OMB APPROVAL NO. 0710-003
Expires October 1996

ATCH #2

Public reporting burden for this collection of information is estimated to average 5 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 Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003), Washington, DC 20503. 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

Authority: 33 USC 401, Section 10: 1413, Section 404. Principal Purpose: These laws require authorizing activities in, or affecting, navigable waters of the United States, the discharge or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. Routine Uses: Information provided on this form will be used in evaluating the application for a permit. Disclosure: Disclosure of requested information is voluntary. If information is not provided, however, the permit application cannot be processed nor can a permit be issued.

One set of original drawings or good reproducible copies which 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 COMPLETED

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME
Richard C. Howell
Base Civil Engineer

6. APPLICANT'S ADDRESS
Richard C. Howell
Base Civil Engineer
2258 Central Ave Ste 100
Eielson AFB AK 99702-2299

7. APPLICANT'S PHONE NOS. W/AREA CODE
a. Residence
b. Business (907) 377-5213

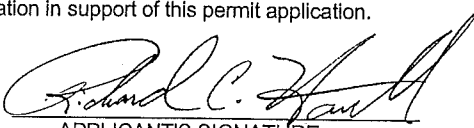
8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required)
Gerald R. Von Rueden
Chief, Natural/Cultural Resources

9. AGENT'S ADDRESS
Gerald R. Von Rueden
354 CES/CEVN
2258 Central Ave Ste 100
Eielson AFB AK 99702-2299

10. AGENT'S PHONE NOS. W/AREA CODE
a. Residence
b. Business (907) 377-5182

STATEMENT OF AUTHORIZATION

I hereby authorize, Gerald R. Von Rueden 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

30 Nov 98
DATE

NAME, LOCATION, AND DESCRIPTION OR PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions)
Proposed Maintenance/Monitoring Road for Mapco-Eielson Pipeline

13. NAME OF WATERBODY, IF KNOWN (if applicable)
French Creek - mile 1.36 to mile 6.2 of creek
Moose Creek - crosses at mile 1 of creek

14. PROJECT STREET ADDRESS (if applicable)
Mapco-Eielson Pipeline

15. LOCATION OF PROJECT
Fairbanks North Star Borough COUNTY Alaska STATE

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) Section, Township, Range, Lat/Lon, and/or Accessors's Parcel Number, for example.
Sections 20 and 35, T2S, R3E and Sections 1 and 2, T3S, R3E, and Sections 6, 7, and 18, T3S, R4E, Fairbanks Meridian

DIRECTIONS TO THE SITE

The Mapco-Eielson Pipeline lies southeast of Fairbanks, Alaska between North Pole and Eielson AFB. The Mapco-Eielson Pipeline can be accessed from several locations off the Richardson Highway. The portion of the proposed project in wetlands near Moose Creek can be accessed from milepost 343.7 Richardson Highway. The portion of the proposed project in wetlands that parallels and is perpendicular to French Creek can be accessed from milepost 341 Richardson Highway. The upland portions can be accessed from the Old Richardson Highway, Lawrence Road, Chena River Lakes Flood Control Project, streets within the town of Moose Creek, Transmitter Road and Arctic Avenue Extension on Eielson AFB, and from the Trans-Alaska Pipeline.

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

Construct and improve access road along the Mapco-Eielson Pipeline. The project is approximately 15.83 miles in length, of which approximately 6.35 miles is in wetlands. In the black spruce wetlands just south of Moose Creek Bluff to the Moose Creek Dike construct approximately 5,032 feet of 2 foot high 24 foot wide access road. In the portion of the pipeline paralleling and perpendicular to French Creek that lies within black spruce wetlands construct approximately 28,485 feet of 4 foot high 36 foot wide access road. In the upland portion from the Mapco Tie-in to the Old Richardson Highway and Lawrence Road Intersection fill holes and grade the access road. No upgrading of the access road will be done from the Old Richardson Highway and Lawrence Road Intersection to the north side of Moose Creek Bluff. Grading and erosion control will be done as necessary in the uplands on both sides of Moose Creek Bluff. In the upland portion from the Moose Creek Dike to the railroad tracks fill holes and grade the access road. No upgrading of the access road will be done along the railroad tracks. In the portion of the pipeline paralleling and perpendicular to French Creek that lies in uplands adjacent to Polaris Lake and just south of the proposed bridge over French Creek construct approximately 2,824 feet of 2 foot high 24 foot wide access road. Culverts of adequate size and number will be placed to assure that natural wetlands drainage patterns are not impeded and that erosion and ponding do not occur. Culverts will be installed as outlined in the attached drawings at 8 main drainages along the proposed access road. Retain the bridge placed over French Creek under Nationwide Permit D-950462 and Fish Habitat Permit (FG98-III-0189). Place one access control gate in black spruce wetlands adjacent to Polaris Lake. Place one access control gate in black spruce wetlands adjacent to the Eielson Take-off Station. If necessary, in the future place 2 additional access control gates in black spruce wetlands at locations to be determined by need. Place three access control gates in uplands. There will be 65 temporary construction equipment turn-arounds constructed in the wetlands portion to allow for efficient maneuvering of equipment during construction. The temporary turn-arounds will be removed to the original ground surface and incorporated into the proposed access road when they are no longer needed.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

To provide better access for cathodic protection, valve maintenance, and spill response. Currently this can only be done in the wetlands portions with a susvee or tracked vehicle. Being able to use rubber tired vehicles will improve cathodic protection, maintenance, and spill response time. Wetlands disturbance will be reduced by restricting cathodic protection, maintenance, and spill response equipment to improved roads.

USE BLOCKS 20-22 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

To create an improved (all weather) pipeline maintenance/monitoring road for better access and timely response for cathodic protection, valve maintenance, and potential spills.

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

Approximately 6,709 CYs of gravel fill will be used to build access road in the black spruce wetlands between Moose Creek Bluff and Moose Creek Dike. Approximately 101,280 CYs of gravel fill will be used to build access road on the portion of the pipeline paralleling and perpendicular to French Creek that lies within black spruce wetlands. Approximately 1.8 CYs of concrete fill will be used to construct two access control gates in black spruce wetlands one adjacent to Polaris Lake and one adjacent to the Eielson Take-off Station. If necessary, in the future approximately 1.8 CYs of concrete fill will be used to construct 2 additional access control gates in black spruce wetlands at locations to be determined by need. Temporarily place approximately 180 CYs of gravel fill to construct 8 temporary construction equipment turn-arounds in the black spruce wetlands between Moose Creek Bluff and Moose Creek Dike. Temporarily place approximately 3,040 CYs of gravel fill to construct 57 temporary construction equipment turn-arounds on the portion of the pipeline paralleling and perpendicular to French Creek that lies within black spruce wetlands. A total of approximately 107,989 CYs of gravel fill will be placed to build the proposed access road, approximately 3.6 CYs of concrete fill will be placed to construct four access control gates, and approximately 3,220 CYs of gravel fill will be temporarily placed to construct 65 temporary construction equipment turn-arounds.

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

A total of 26.3 acres will be filled using construction equipment to build the proposed access road. A total of .65 acres will be temporarily filled using construction equipment to build the proposed temporary construction equipment turn-arounds.

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

The bridge over French Creek is in place so the work authorized under Nationwide Permit 12 file number D-950462 could be done. Using the bridge from Nationwide Permit 12 file number D-950462 will avoid back tracking and rutting .44 miles of black spruce wetlands to use a Trans-Alaska Pipeline bridge to cross the creek. Retaining the bridge will shorten spill response time.

24. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (If more than can be entered here, please attach a supplemental list).

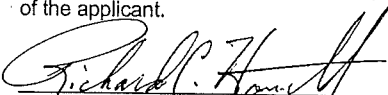
All wetlands impacts will occur on Eielson AFB and the Chena River Lakes Flood Control Project. The Department of the Army has had a 50 foot right-of-way permit for the pipeline since the 1950's. Eielson AFB has a Memorandum of Agreement between the Commander, Defense Energy Supply Center (DESC) Ft Belvoir, Virginia and the Commander, 354th Fighter Wing that transfers the responsibilities for operation, minor repair, and spill response from DESC to Eielson. See attached address list.

25. 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
US Army Corps of Engineers	Nationwide permit	D-950462	11 Feb 97	13 Mar 97	
AK Dept of Fish and Game	Fish Habitat Permit	FG98-III-0189	11 Sep 98	11 Sep 98	

* Would include but is not restricted to zoning, building, and flood plain permits

26. 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

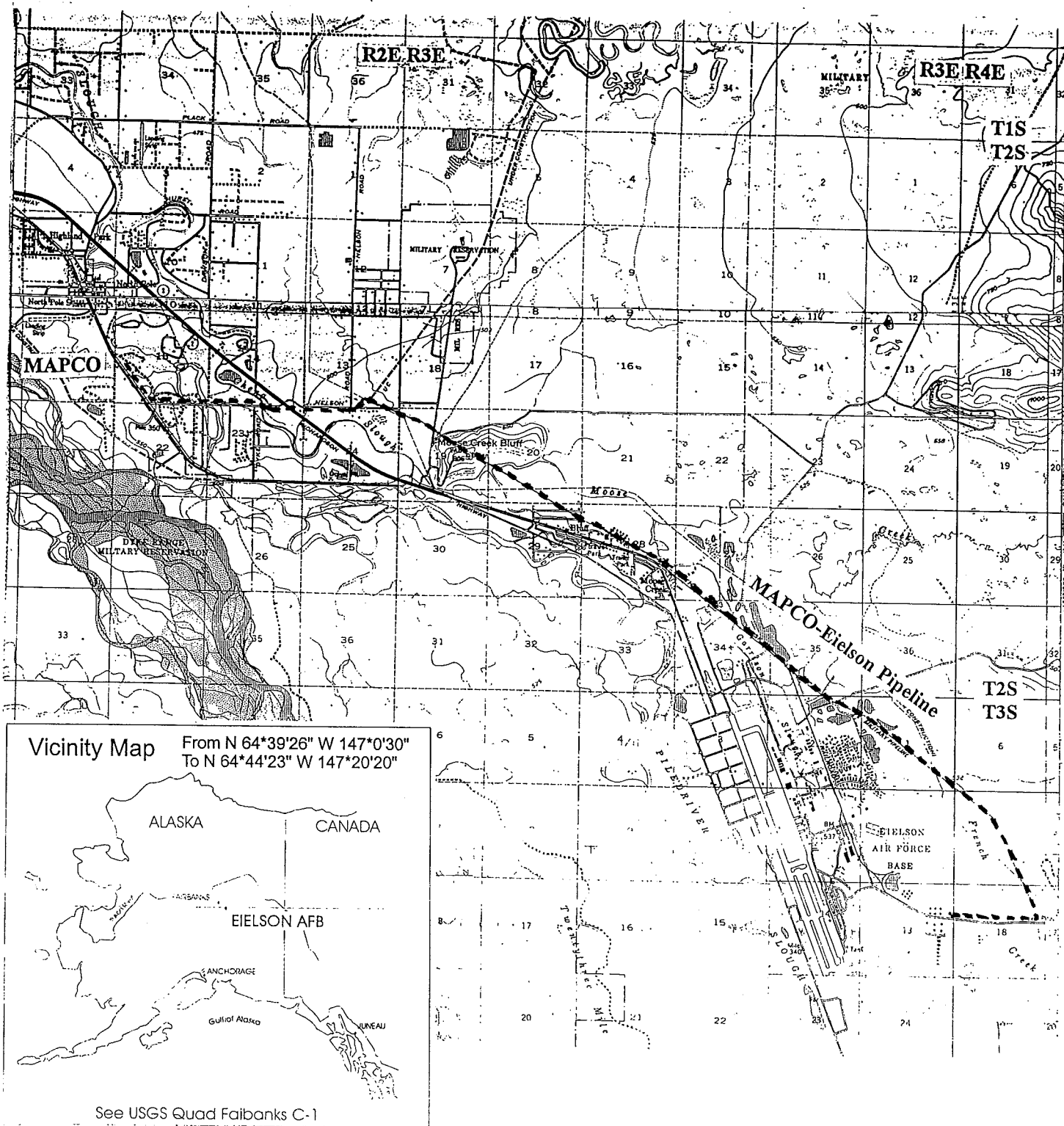
30 Nov 98
DATE


SIGNATURE OF AGENT

30 Nov 98
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.



PROPOSED MAINTENANCE/MONITORING ROAD FOR MAPCO-EIELSON PIPELINE

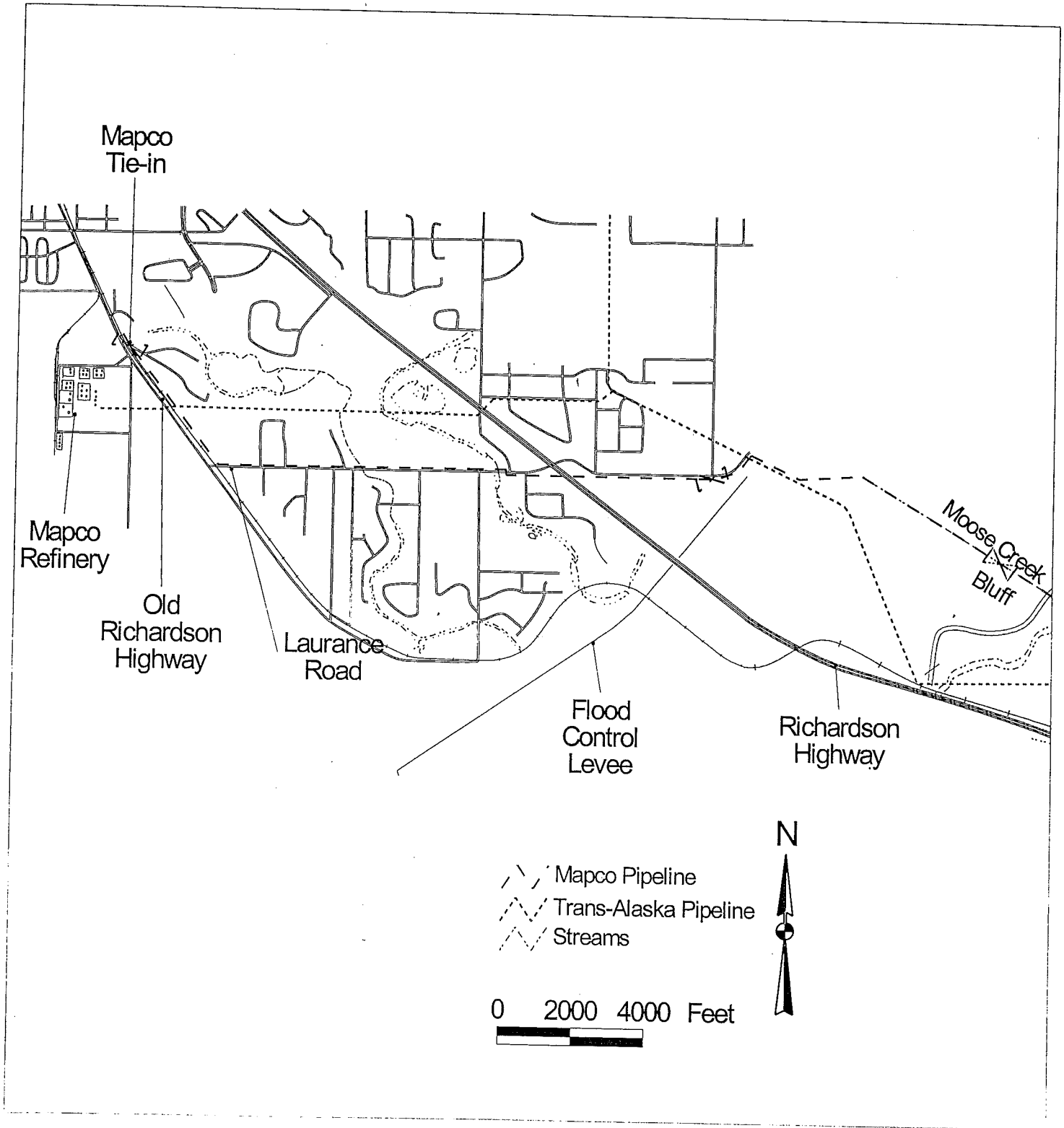
Purpose: Provide access for cathodic protection, valve maintenance, and spill response.

Nearest Waterbody: French Creek - mile 1.36 to mile 6.2 of creek. Moose Creek - crosses at mile 1 of creek.

Fairbanks North Star Borough, Alaska

Sections 20 & 35, T2S, R3E, Sections 1 & 2, T3S, R3E, Sections 6, 7, & 18, T3S, R4E, Fairbanks Meridian

30 Nov 1998



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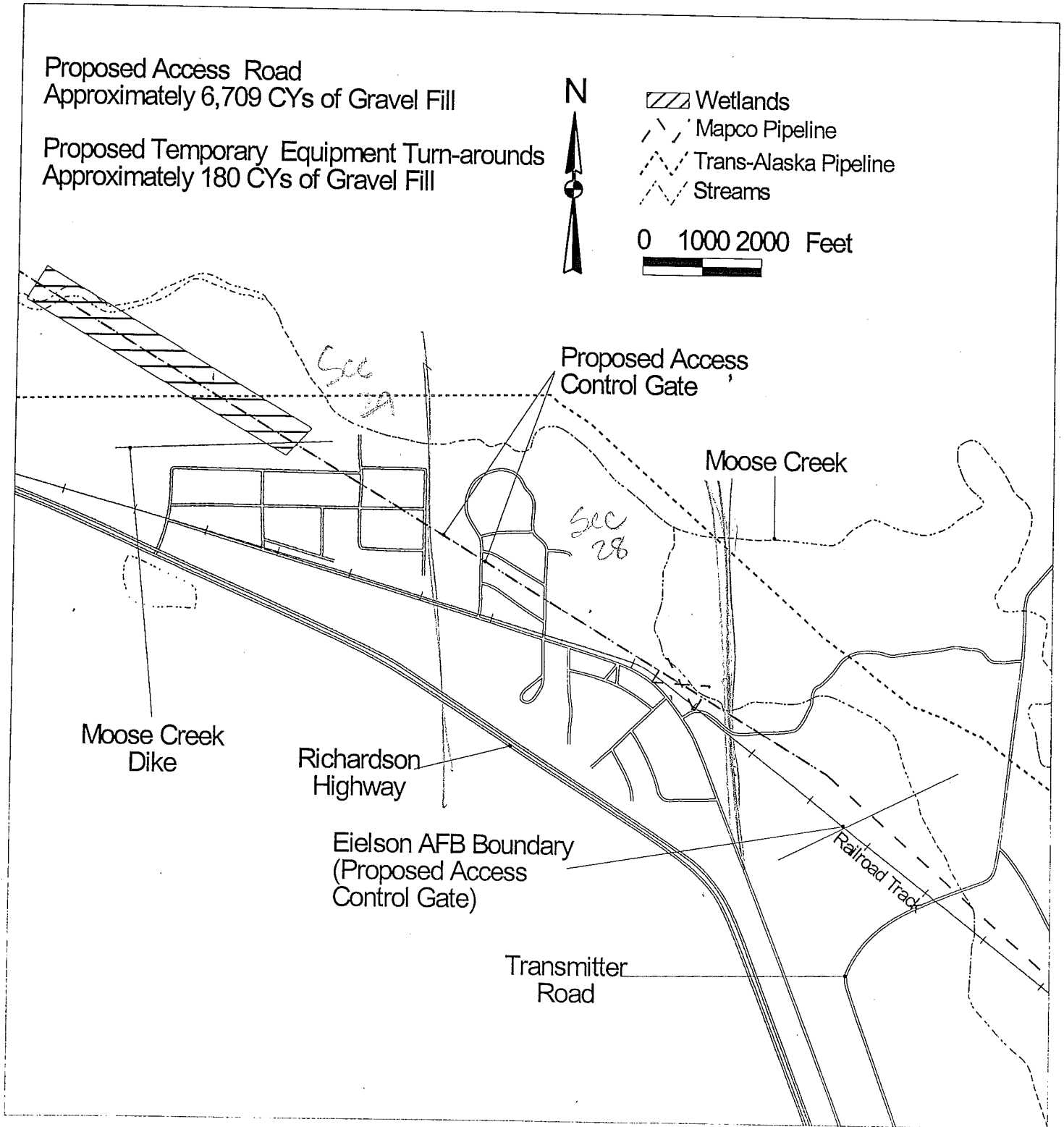
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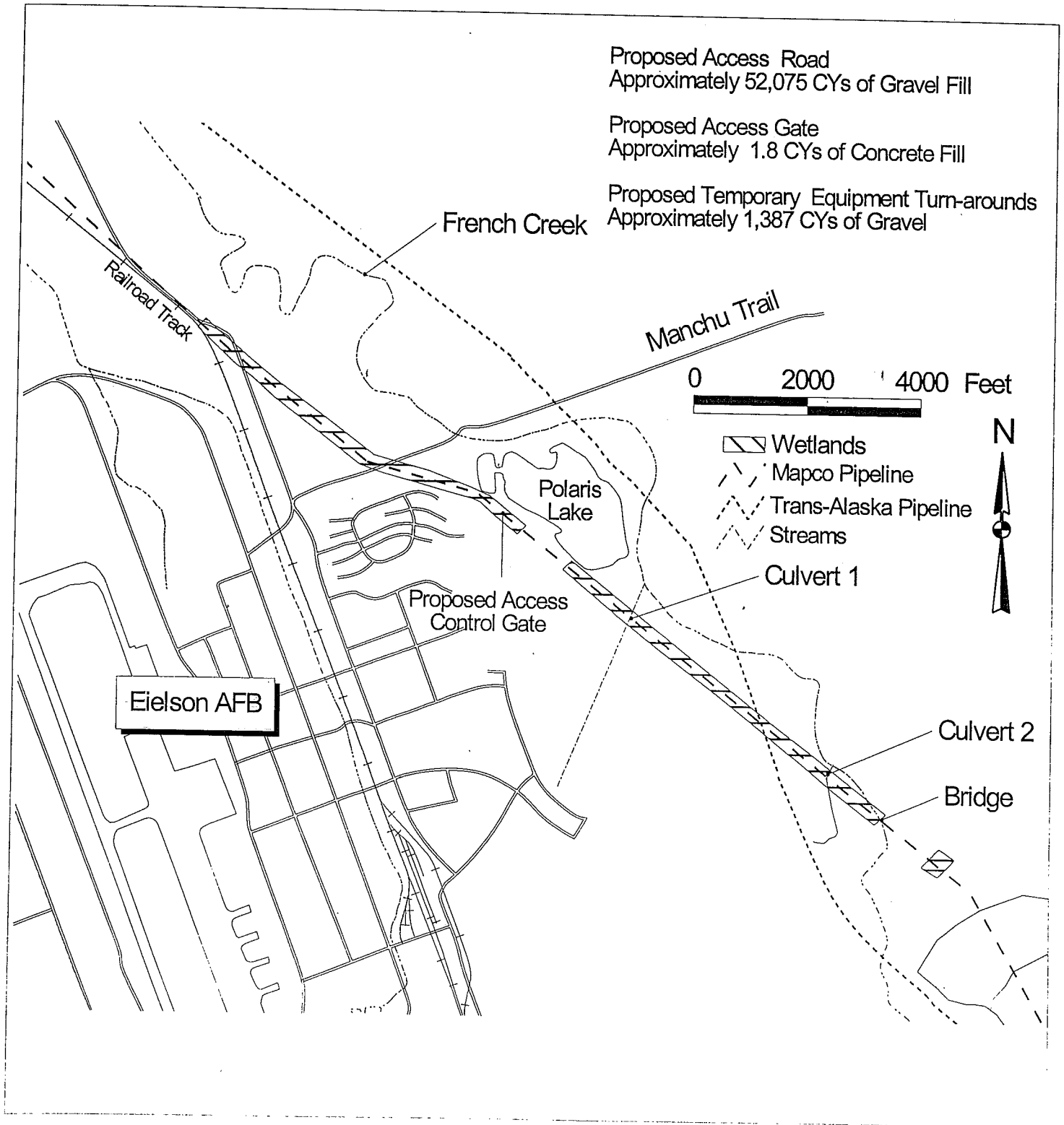
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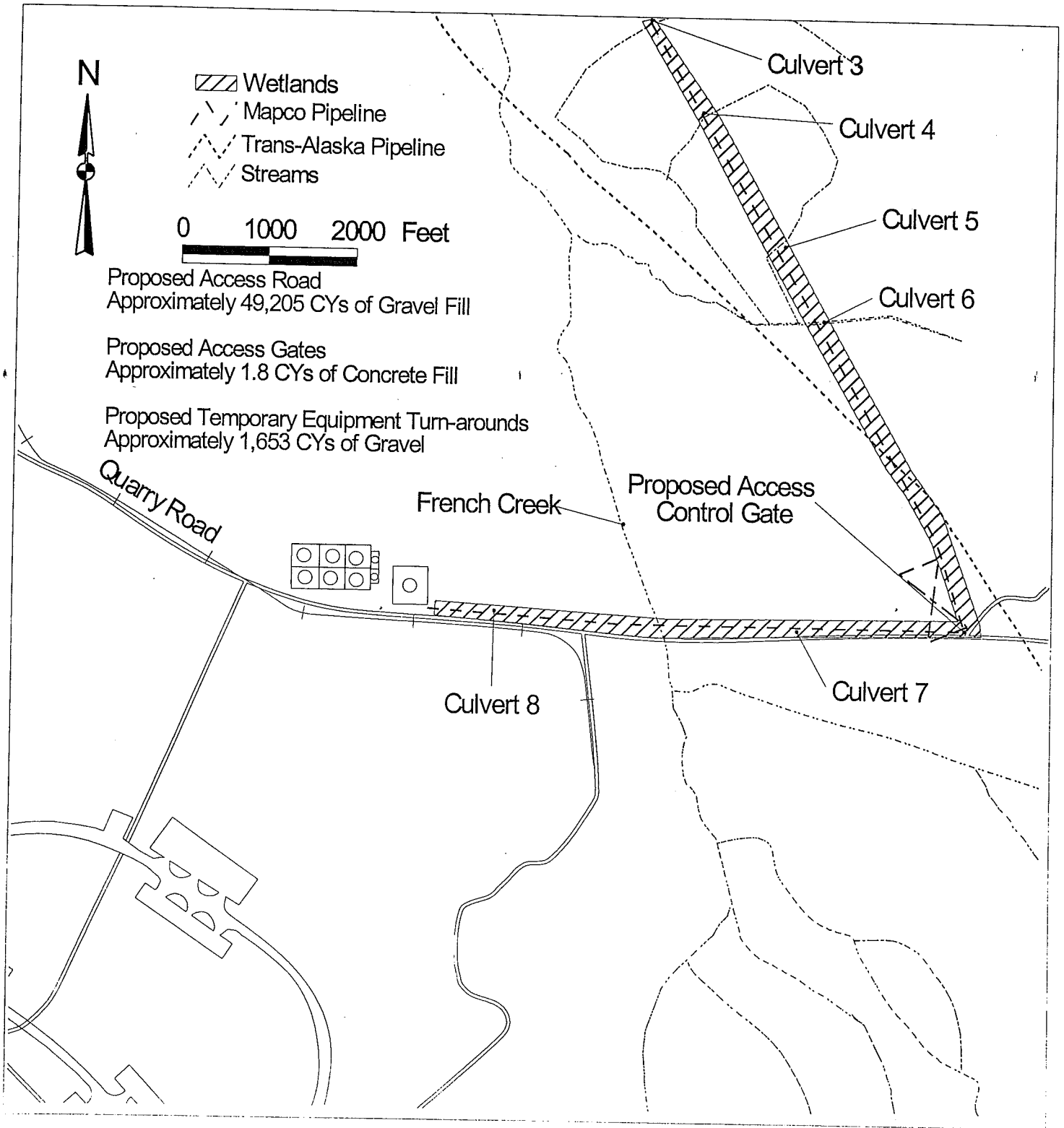
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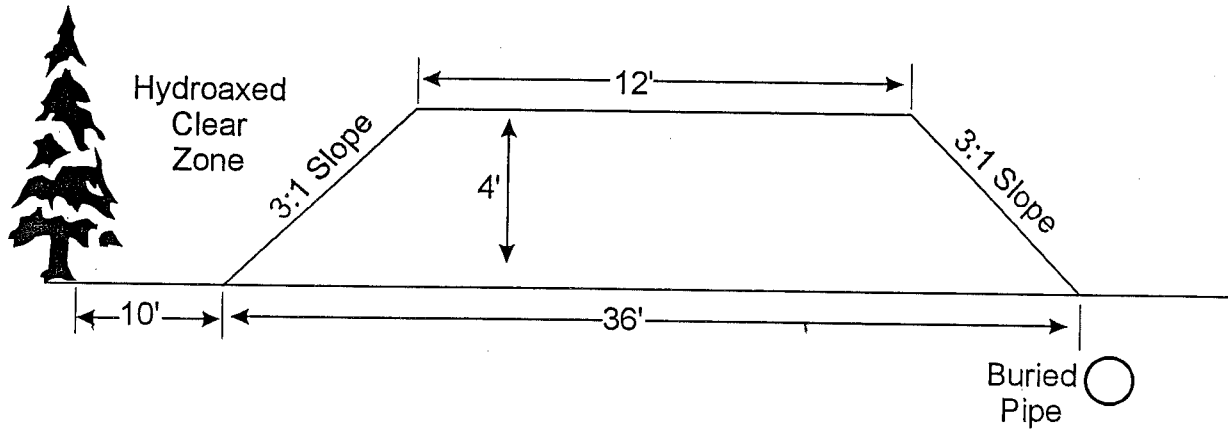
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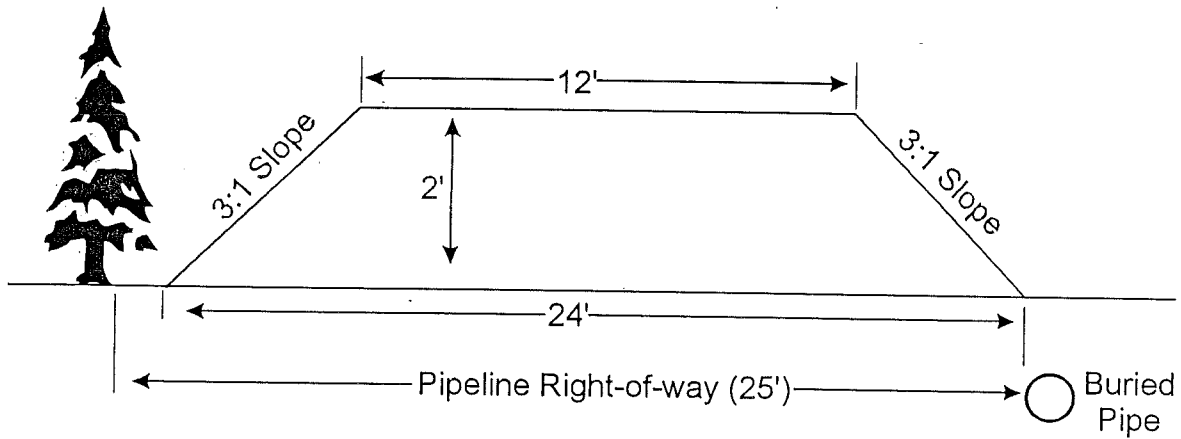
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**Typical Cross-Section of Road in Wetlands
Within the Eielson Boundary**



**Typical Cross-Section of Road in Wetlands
Outside the Eielson Boundary**

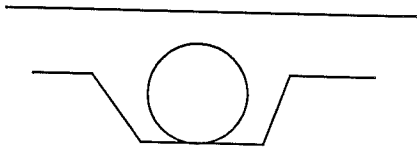
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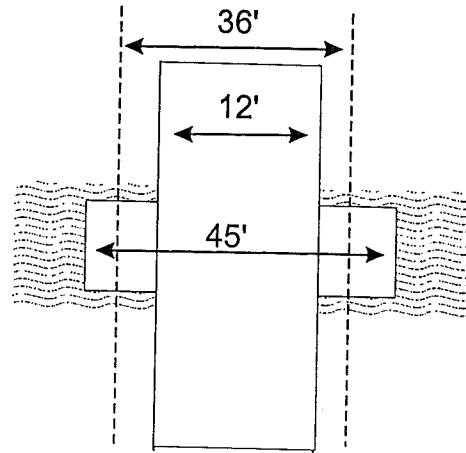
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**Side View of Typical
Culvert Installation**



**Top View of Typical
Culvert Installation**

Notes:

1. Culvert 1: There are no culverts installed in the Cooling Pond Discharge Ditch. Will install two 24 inch culverts (see sheet 4 of 14).
2. Culvert 2: No culvert installed under the Trans-Alaska Pipeline pad. Will install one 24 inch culvert (see sheet 4 of 14).
3. Culverts 3-6: There is one 42 inch culvert installed under the Trans-Alaska Pipeline pad to handle the drainage from these 4 locations. Will install one 36 inch culvert at culvert locations 3-6 (see sheet 5 of 14).
4. Culvert 7: Quarry Road has four 48 inch culverts. Will install four 48 inch culverts (see sheet 5 of 14).
5. Culvert 8: Quarry Road has two 24 inch culverts. Will install two 24 inch culverts (see sheet 5 of 14).
6. Drainage structures adequate in size and number will be installed and maintained in the Mapco-Eielson maintenance/monitoring road to assure that natural wetland drainage patterns are not impeded and that erosion and ponding do not occur. Excavation will be done as necessary to install drainage structures.
7. The stipulations in Alaska Department of Fish and Game Fish Habitat Permit FG98-III-0189, of 11 Sep 98, for the bridge over French Creek will be followed.
8. Disturbed areas (those not covered with gravel fill) will be stabilized by fertilizing and planting a mixture of grasses to insure a minimum of 30 percent cover established at the end of the first growing season. Native species should be used where appropriate.
9. There will be no equipment encroachment on adjacent wetlands outside the project boundary.

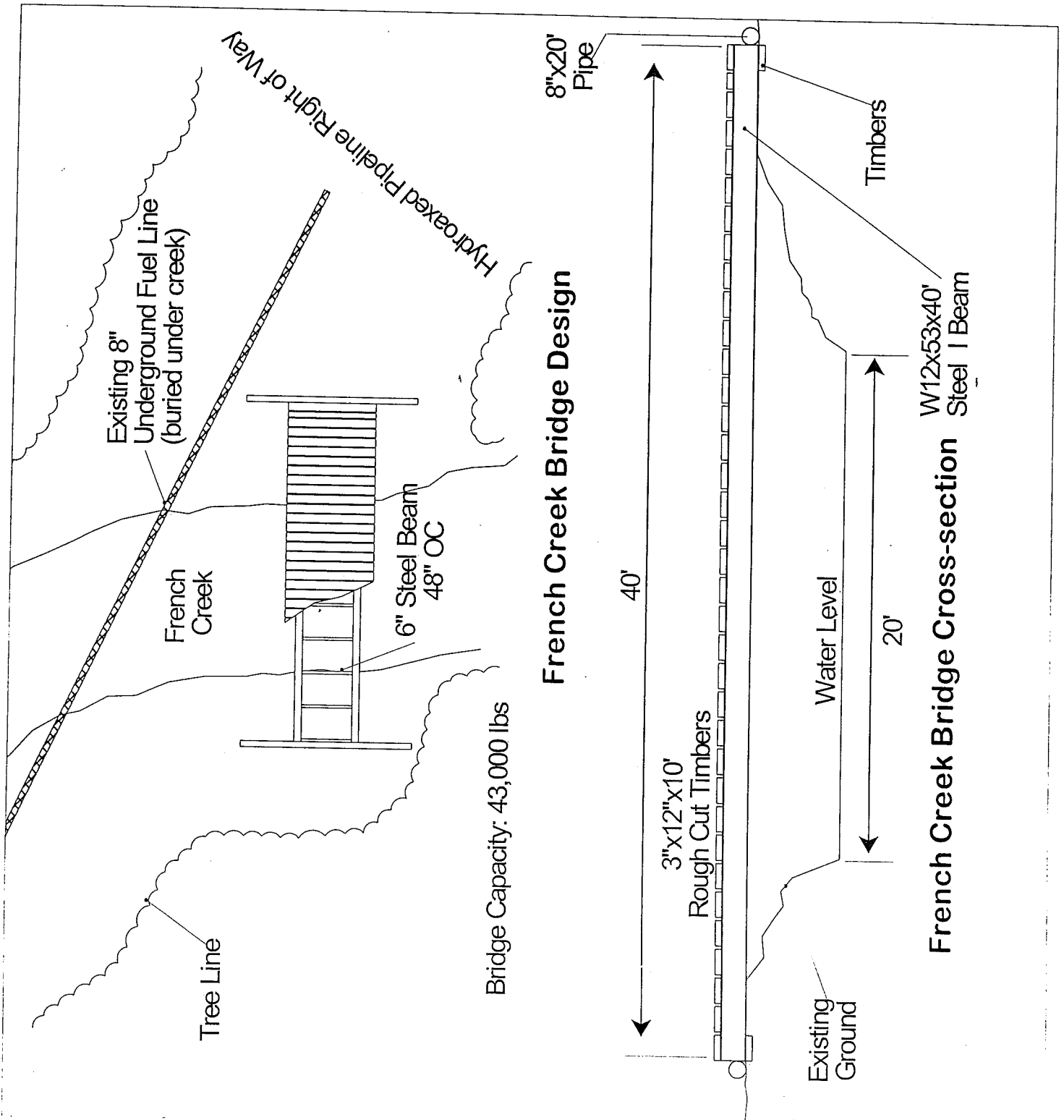
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Purpose: Provide access for cathodic protection, valve maintenance, and spill response.

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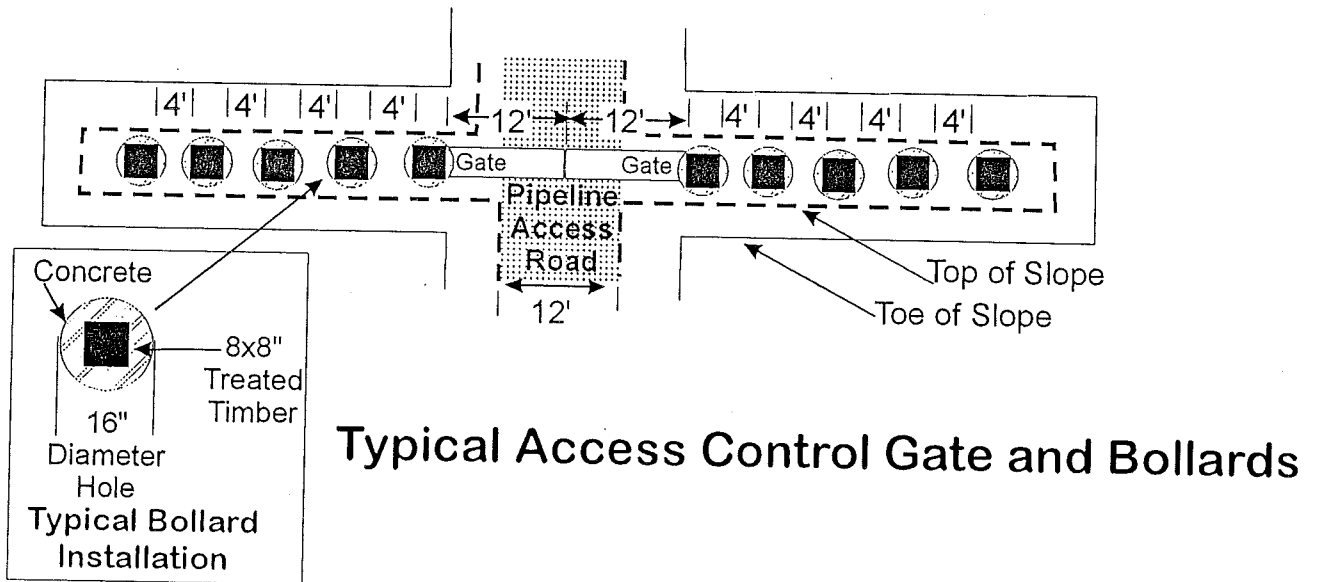
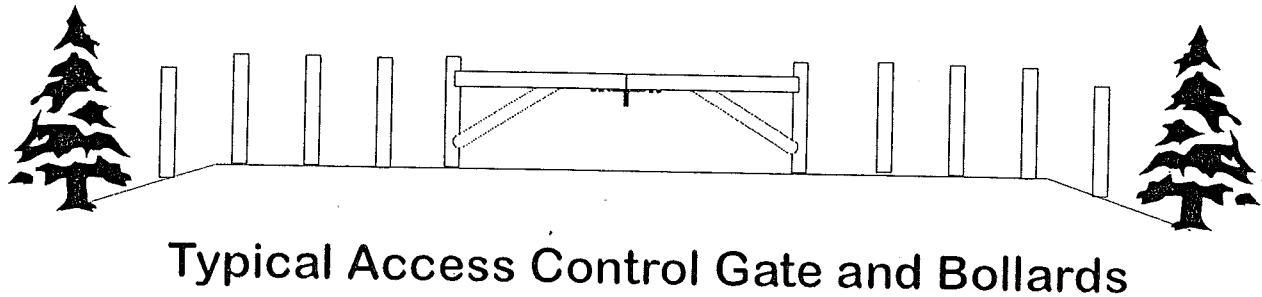
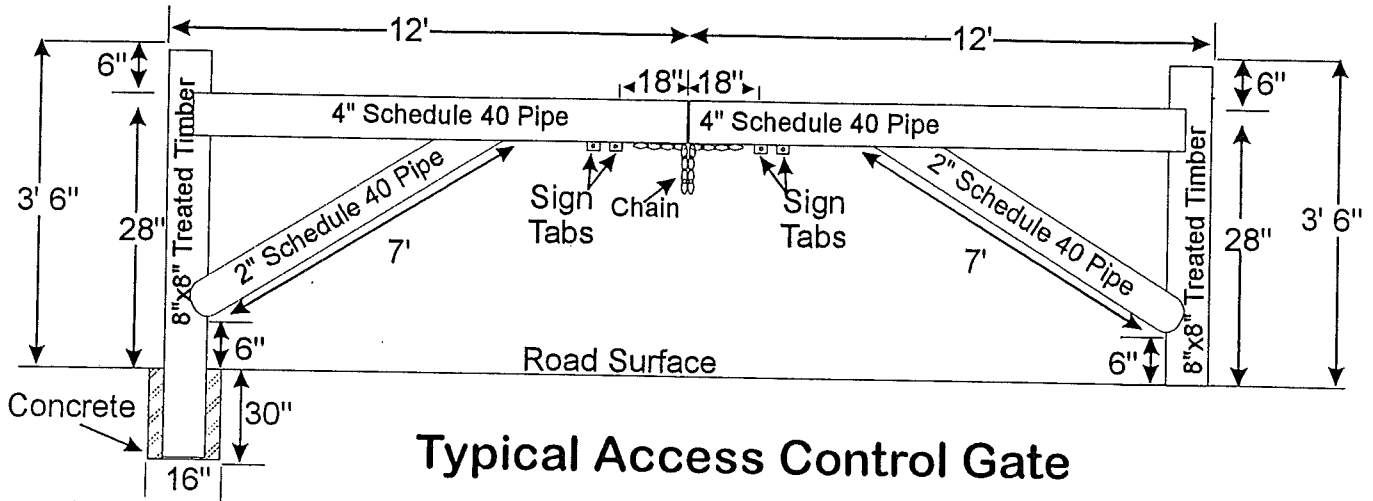
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PROPOSED MAINTENANCE/MONITORING ROAD FOR MAPCO-EIELSON PIPELINE

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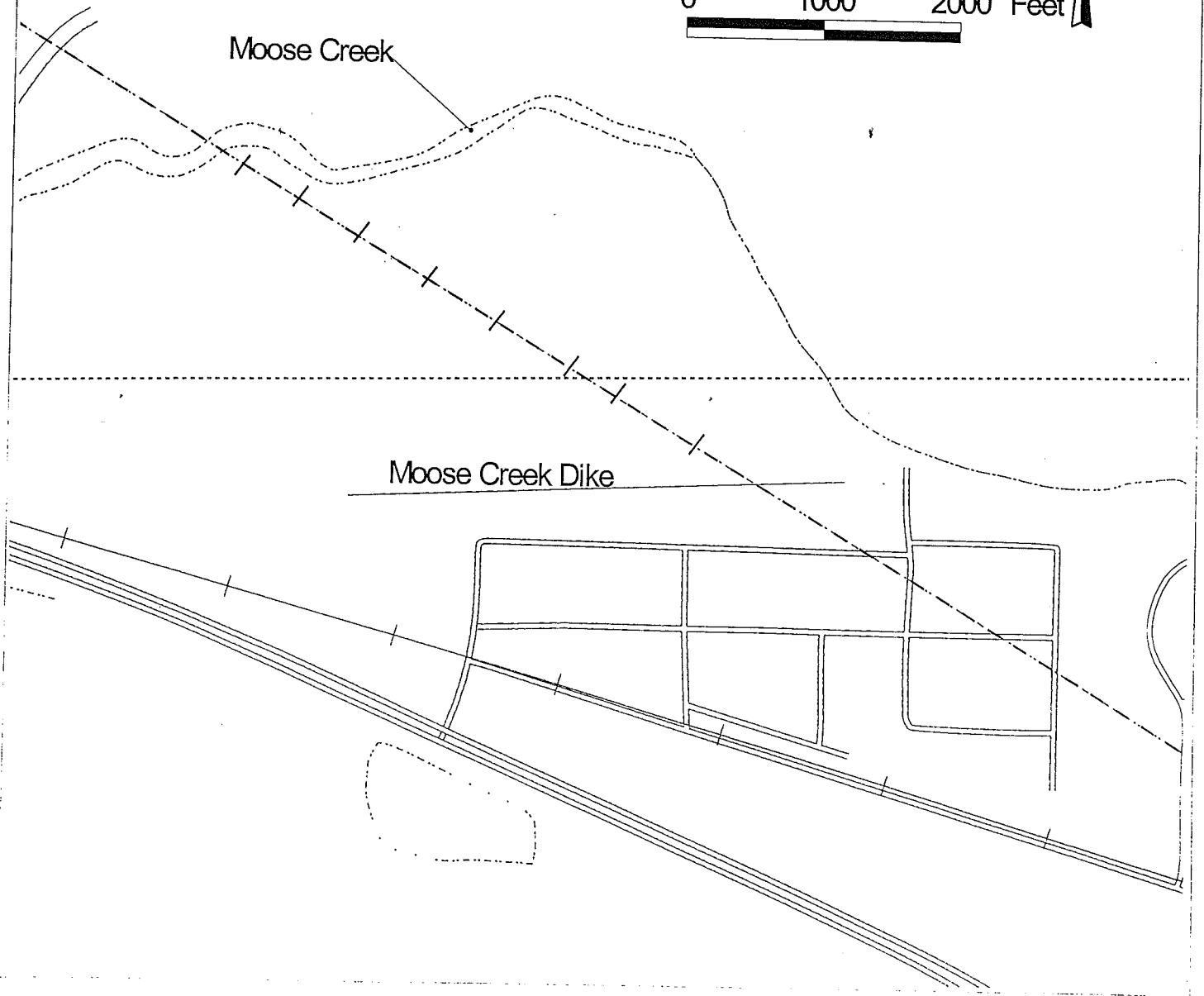
Proposed Access Road
Approximately 6,709 CYs of Gravel Fill

Proposed Temporary Equipment Turn-arounds
Approximately 180 CYs of Gravel Fill

- Turn-arounds
- - - Mapco Pipeline
- - - Trans-Alaska Pipeline
- - - Streams



0 1000 2000 Feet



PROPOSED MAINTENANCE/MONITORING ROAD FOR MAPCO-EIELSON PIPELINE

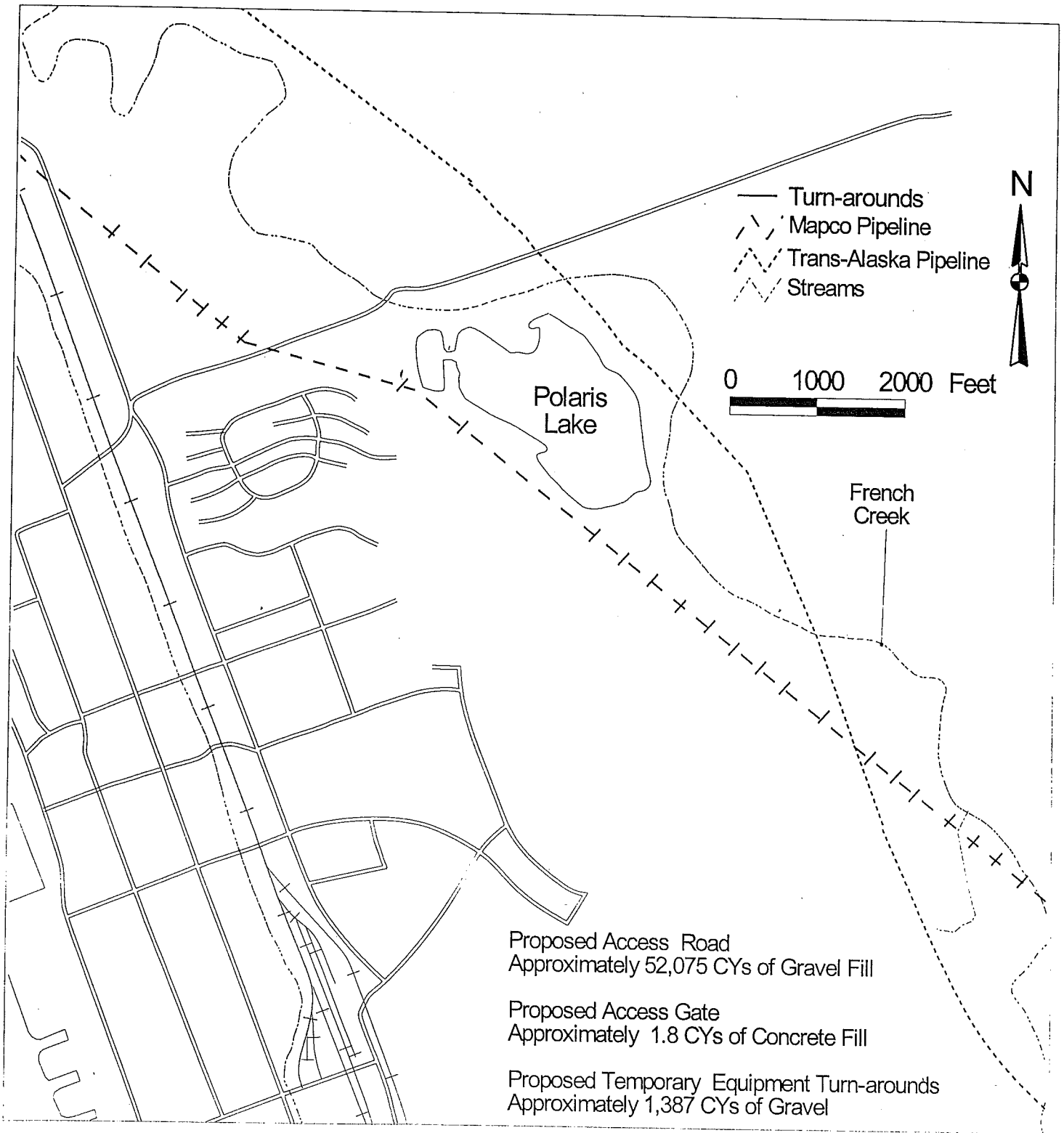
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PROPOSED MAINTENANCE/MONITORING ROAD FOR MAPCO-EIELSON PIPELINE

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Proposed Access Road
Approximately 49,205 CYs of Gravel Fill

Proposed Access Gates
Approximately 1.8 CYs of Concrete Fill

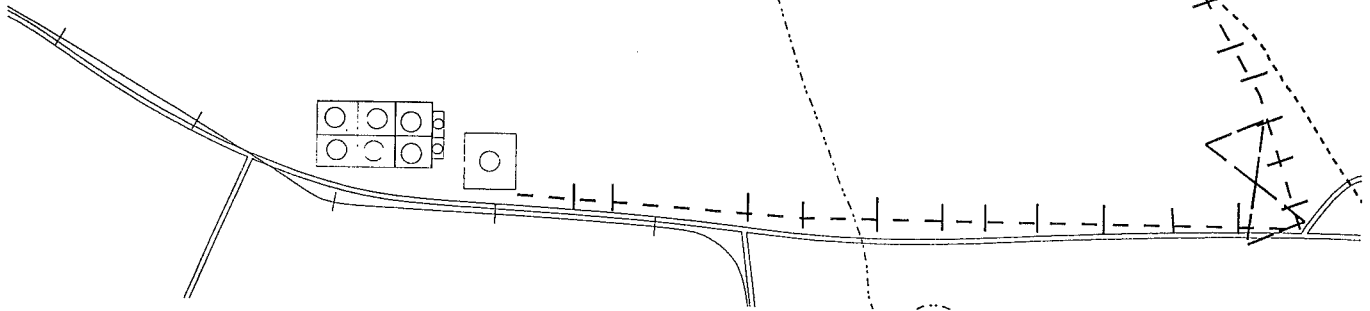
Proposed Temporary Equipment Turn-arounds
Approximately 1,653 CYs of Gravel

- Turn-arounds
- - - Mapco Pipeline
- - - Trans-Alaska Pipeline
- - - Streams



0 1000 2000 Feet

French Creek



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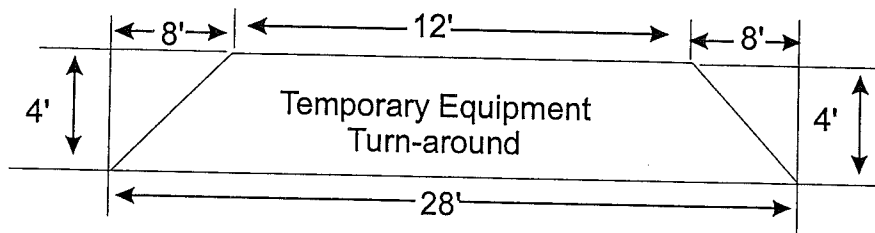
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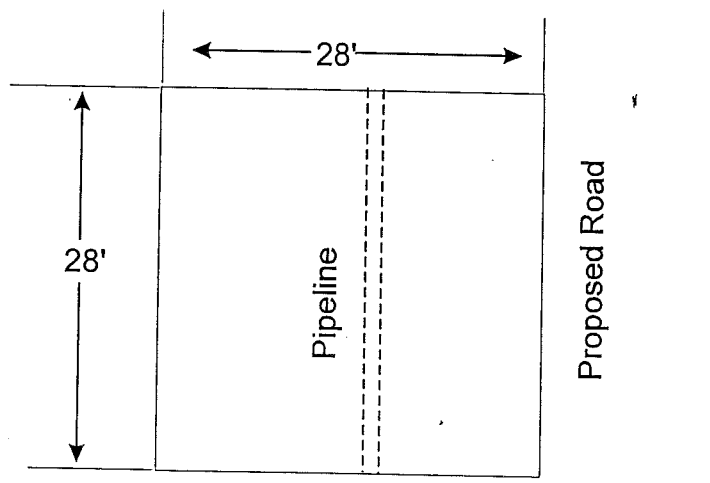
Sections 20 & 35, T2S, R3E, Sections 1 & 2, T3S, R3E, Sections 6, 7, & 18, T3S, R4E, Fairbanks Meridian

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Typical Cross-section of Temporary Construction Equipment Turn-arounds in Wetlands Within the Eielson Boundary



Typical Top View of Temporary Construction Equipment Turn-arounds in Wetlands Within the Eielson Boundary

Notes:

1. The turn-arounds will be temporary and located 300 feet apart. They will be removed once the road is built 600 feet beyond the turn-around.
2. The turn-arounds will be removed as close to the original ground surface as possible and will be stabilized by fertilizing and planting a mixture of grasses to insure a minimum of 30 percent cover established at the end of the first growing season. Native species should be used where appropriate.
3. The temporary fill will be removed from the turn-arounds and be disposed of on the proposed road.
4. The turn-arounds and the maintenance/monitoring road will not be located on the same side of the pipeline. The turn-arounds will be located where they will have the least environmental impact.

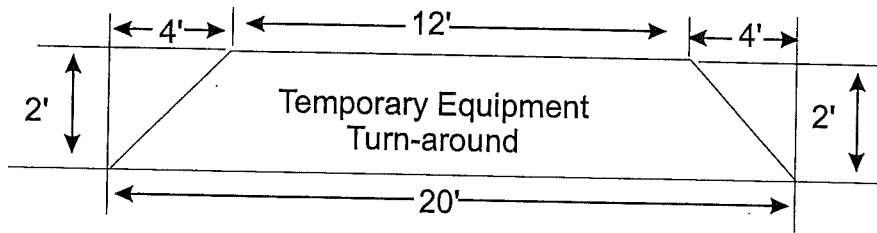
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Purpose: Provide access for cathodic protection, valve maintenance, and spill response.

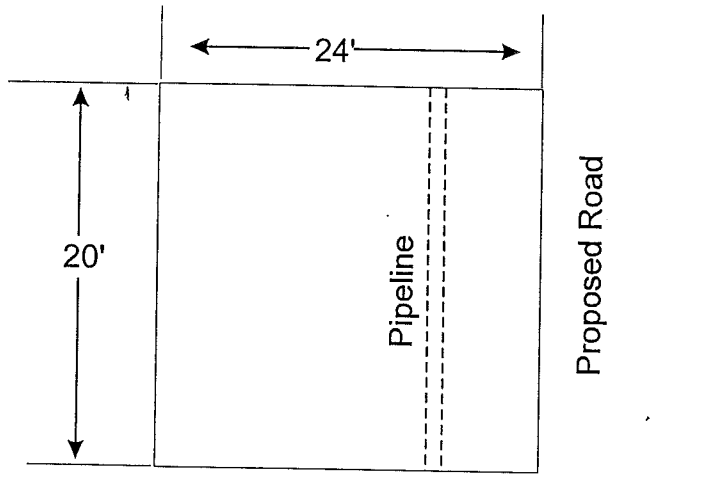
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Typical Cross-section of Temporary Construction Equipment Turn-arounds in Wetlands Outside the Eielson Boundary



Typical Top View of Temporary Construction Equipment Turn-arounds in Wetlands Outside the Eielson Boundary

Notes:

1. The turn-arounds will be temporary and located 300 feet apart. They will be removed once the road is built 600 feet beyond the turn-around.
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