



April 18, 2011

AJ Wait  
Natural Resources Manager  
Alaska Department of Natural Resources  
3700 Airport Way  
Fairbanks, AK 99709

RE: Easement Application for Access Roads for the Eva Creek Wind Energy Project

Dear Mr. Wait:

Golden Valley Electric Association (GVEA) would like to request an easement for project access roads for the Eva Creek Wind Energy Project. The proposed project site will be located in the northern foothills of the Alaska Range, approximately 10 miles east of Ferry, Alaska. Wind turbines will be installed on two ridges in the vicinity of Township 10 South, Range 7 West in the Fairbanks Meridian at altitudes from 2,500 to 3,200 feet.

The project will require substantial road upgrades and alterations to Ferry-Eva-Moose Creek Road (or "Ferry Road") which extends east from Ferry toward the ridge sites; upgrades to the existing road and trail system throughout the project area (the "access roads," totaling approximately 8 miles); installation of 12 to 16 wind turbines; and electrical distribution and communications systems connecting the wind turbines. A transmission substation will be constructed and connected to the existing 230kV Northern Intertie transmission line. The project will also include construction of an Operations & Maintenance (O&M) Building at the project site, as well as a Warm Storage Building near the railroad bridge on the east side of the Nenana River. Three new communication towers will be erected: two on the ridge top at the project site and a third on state land on the west side of the Parks Highway. One permanent meteorological tower will be erected near the wind farm.

Access roads are required to connect the wind turbines and infrastructure to Ferry Road. These access roads will begin at the northeast end of Ferry Road and extend northward to the ridge sites. Extensive upgrade and improvements to the existing access road system will be required to accommodate equipment during construction, such as cranes and trucks with long extended trailers. After the wind turbines are installed, the roads will continue to be used for routine maintenance of the turbines. A 34.5 kV underground power collection system connecting each turbine to the substation will be buried alongside the access roads in three HDPE conduits; one of the conduits will be reserved for back-up purposes only. A communications cable will be co-located with the conduits. Junction boxes for the underground power collection system will be installed at 500ft intervals throughout the area. In addition, an access road easement is also required to Comm Site #2 located west of the Parks Highway.

Attached you will find a completed application, project description, Environmental Risk Questionnaire and corresponding figures. Should you have any questions regarding the applications, please call me at (907) 451-5629 or our agent Brian Kovol, Environmental Manager at Restoration Science and Engineering, at (907) 278-1023. Thank you for your time reviewing this project.

Sincerely,

*Greg Wyman by Cheryl Laudert*

Greg Wyman P.E., P.L.S.  
Manager of Construction Services  
Golden Valley Electric Association  
PO Box 71249  
Fairbanks, AK 99707  
[GEWyman@gvea.com](mailto:GEWyman@gvea.com)

Attachments:

1. Easement Application
2. Project Description
3. Environmental Risk Questionnaire
4. Figures

**STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINING, LAND AND WATER**

Northern Region  
3700 Airport Way  
Fairbanks, AK 99709  
(907) 451-2740

Southcentral Region  
550 W 7th Ave., Suite 900C  
Anchorage, AK 99501-3577  
(907) 269-8552

Southeast Region  
400 Willoughby  
P.O. Box 111020  
Juneau, AK 99811-1020  
(907) 465-3400

**APPLICATION FOR EASEMENT  
AS 38.05.850**

Non-refundable application fee: \$100\*

ADL # 419216  
(to be filled in by state)

(00 125839)

Applicant's Name Golden Valley Electric Association/ADPT&PF business as: \_\_\_\_\_

Mailing Address PO BOX 71249 E-Mail: GEWyman@gvea.com

City/State/Zip Fairbanks, AK 99707-1249

Message Phone ( ) \_\_\_\_\_ Work Phone (907)451-5629

Is applicant a nonprofit cooperative association?  yes [ ] no. If yes, are you applying for an exemption under **AS 38.05.850(b)**? [ ] yes  no. If yes, please submit proof of nonprofit status (e.g. by-laws, articles of incorporation, tax statement).

Location of activity/Legal Description: Municipality \_\_\_\_\_, Meridian Fairbanks  
Township 10 S, Range 7 W, Section 3-4, 9-11, 14-15, 22-23 1/4, \_\_\_\_\_ 1/4  
Township 10 S, Range 8 W, Section 17, SE 1/4, \_\_\_\_\_ 1/4

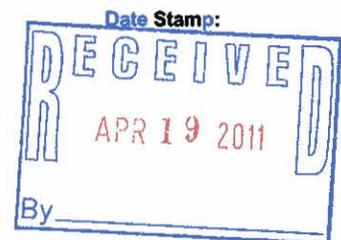
(attach extra sheets as needed)

Total length of applied-for easement (feet): 42,822ft Total width of applied-for easement (feet): 60 ft  
Acres encompassed by easement: 58.98 Acres (43,560 square feet = 1 acre)

Specific purpose of easement (e.g. electric utility, fiber-optic conduit or cable, telecommunications tower, road, bridge, airstrip/airport, driveway, trail, drainage), and type of anticipated traffic (e.g. plane, truck, heavy equipment): Explain \_\_\_\_\_  
Improvements to existing trails and construction of access roads to wind turbine locations and access to communication sites for the Eva Creek Wind Energy Project  
See project description

Are you applying for the Division of Mining, Land and Water to reserve a Public Easement? Yes  No . Are you applying to be granted a Private Easement? Yes  No . (Note: Annual rental fee required for private easement) See Attached Project description for exceptions

\*See 11 AAC 05.010 regarding fees for federal, state, and local government agencies



State briefly the standards and methods of construction: e.g. regulated standards, winter trail, dirt trail, gravel road, paved road, etc.; clearing by hand, clearing/construction by mechanical equipment (state type of equipment to be used, e.g. J.D. 350, 944 F.E. loader, hydro-axe, D-8), or establishment by use only. \_\_\_\_\_

See Attachment 1

Is this an existing use? Yes  No . If yes, provide documentation verifying existing use, such as easement atlas, affidavits attesting to use and existence, pictures, etc.

Construction to begin: April 2012

Construction to be completed by: September 2012

Other permits or authorizations applied for in conjunction with this proposed project: \_\_\_\_\_

Another easement for realignment of Ferry Eva Moose Creek Road, Land Lease (ADL 418853), Land Use Permits (LAS 28000,25503), USACE Section 404 Permit, Form 7460 submitted to FAA, Section 7 Consultations and Section 106 Consultation letters.

If this authorization is granted, I agree to construct and maintain the improvements authorized in a workmanlike manner, and to keep the area in a neat and sanitary condition; to comply with all the laws, rules, and regulations pertaining thereto; and provided further that upon termination of the easement for which application is being made, I agree to remove or relocate the improvements and restore the area without cost to the state and to the satisfaction of the Director of the Division of Mining, Land and Water.

Applicant's

Cheryl Caudent  
Signature

4-18-11  
Date

**INSTRUCTIONS:** Attach a USGS map (scale of 1:63,360) or a state status plat showing the location of the proposed easement, and an environmental risk assessment questionnaire (form 102-4008A).

The final granting of a private easement or reservation of a public easement will be contingent upon our receipt of a plat depicting the post-construction location of the improvements. If your application is approved, instructions for the completion of the plat will be provided to you, or can be picked up at any of our offices.

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

# **Eva Creek Wind Energy Project Easement Application for Access Roads Project Description**

## **1. Introduction**

Golden Valley Electric Association (GVEA) is proposing to construct a 24 megawatt (MW) wind farm on the ridges above the Eva Creek valley, located east of the Nenana River approximately 15 miles northeast of Healy, Alaska. Power generated by the wind farm would feed into GVEA's 230 kilovolt (kV) Northern Intertie transmission line, which bisects the proposed project area. The power will then be available for distribution throughout GVEA's service area.

## **2. Project Overview**

The project would encompass a total of approximately 170 acres within three primary geographical areas: 1) two subalpine ridge sites at the head of Moose and Eva creeks in the Northern foothills of the Alaska range; 2) Ferry-Eva-Moose-Creek Road (or "Ferry Road") extending from the ridges to Ferry, Alaska; and 3) sites in Ferry, Alaska. The project will also require up to eight Gravel Extraction Sites to obtain necessary materials for construction. The gravel sites currently under consideration total approximately 658 acres.

Ridge site activities include the installation and operation of up to 16 power-generating wind turbines on two subalpine ridges at the headwaters of Eva Creek. The two ridges are defined as the Northern Wind Resource Area (WRA) and the Southern WRA. Additional development at this location would include the construction of a substation, an Operations and Maintenance (O&M) building, a temporary laydown area, underground feeder electrical lines, and approximately 8 miles of access roads connecting all development.

In order to accommodate construction needs of the project, existing roads and trails will require realignment and widening in some locations. A warm storage building will be constructed in Ferry, Alaska and will be used to store two vehicles and miscellaneous equipment. The project will also require the construction of a heavy equipment loading/unloading area at the existing railroad siding at Ferry. In addition, an access road is also required to Comm. Site #2 located west of the Parks Highway. GVEA is requesting public use easements to each of the project area lease areas with the exception of Comm. Site #2, for which GVEA will request a private access easement.

## **3. Eva Creek Wind Energy Project Access Roads**

Access roads will extend northward from the east end of Ferry Road to access all ridge site infrastructures (Figure 1 – Project Overview). The access roads are located on state-owned and administered by ADNR. There are no identified easements associated with the existing access roads/trails which were likely used for historic mineral prospecting. The access road construction will consist of widening existing roads and trails to 26ft wide for the Central Access Road and 36ft wide for the three other access roads. The Central Access Road will connect the Southwest, Northwest, and East Access Roads to Ferry Road (Figure 2 – Access Roads). This road will be extended approximately 3 miles from Ferry Road to the laydown area, and will be the same width as Ferry Road (Figure 4 – Typical Road Cross Sections). The three access roads branching off of the Central Access Road will be wider (36ft wide) to accommodate larger vehicles and a crane for construction of the wind turbines. They will consist of 36ft wide top section, 8ft side slope embankments on either side. The electric and communications systems connecting the turbines to the substation will be routed parallel and to one side of the turbine access road system and will be placed 5 feet outside the limits of roadway construction (Fig 4 – Typical Road Cross Sections). The 34.5 kV underground power collection and communications systems connecting each turbine to the

substation will be buried alongside the access roads in three HDPE conduits. A communications cable will be co-located with the conduits. Junction boxes for the underground power collection system will be installed at 500ft intervals throughout the area. Figure 3 shows the easement required for access to Comm. Site #2 located west of the Parks Highway. A new access road approximately 245 feet long would be constructed to provide access from the Parks Highway to the existing transmission line right-of-way (ADL 30788). From the point where access is established between the highway and the transmission line, GVEA is proposing to access the proposed lease area via the transmission line ROW. The access to proposed Comm. Site #2 was located & designed to provide acceptable road grade and sight distance off the Parks Highway. A private easement is requested at this location to avoid possible future public improvements to the access that could potentially interfere with or encroach on the existing transmission line. Details associated with all the proposed access roads for the project are presented in Table 1. Note: The "Length of Road" listed for Comm. Site #2 includes the total length of access to the lease site from the Parks Highway. Approximately 245 feet, of which, is new access connecting the Parks Highway with the existing transmission line.

**Table 1: Access Road Easement Details**

Access Road	Length of Road	Area <sup>1</sup>	Start of Road		End of Road	
	Feet		Acres	Latitude	Longitude	Latitude
Central Access	14,995	20.65	N064° 01' 48.88"	W148° 53' 35.04"	N064° 03' 44.20"	W148° 54' 18.63"
Northwest Access	11,940	16.44	N064° 03' 44.20"	W148° 54' 18.63"	N064° 04' 00.38"	W148° 56' 57.99"
T6 Access	176	0.20	N064° 04' 13.01"	W148° 54' 01.29"	N064° 04' 14.00"	W148° 53' 58.05"
T8 Access	98	0.09	N064° 04' 16.78"	W148° 54' 28.29"	N064° 04' 17.74"	W148° 54' 28.50"
Southwest Access	6,070	8.32	N064° 03' 44.59"	W148° 54' 18.97"	N064° 03' 19.08"	W148° 56' 03.04"
East Access	6,683	9.16	N064° 03' 28.13"	W148° 53' 42.54"	N064° 03' 51.56"	W148° 51' 34.49"
T10 Access	206	0.24	N064° 03' 28.78"	W148° 53' 21.50"	N064° 03' 26.76"	W148° 53' 21.61"
T13 Access	1,085	1.45	N064° 03' 39.21"	W148° 52' 36.53"	N064° 03' 49.67"	W148° 52' 39.91"
Comm. Site #2	1,569	2.16	N064° 02' 40.20"	W149° 10' 10.89"	N064° 02' 27.82"	W149° 10' 02.79"

1. Area based on 60-foot easement.

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINING, LAND AND WATER

- |  |   |   |  |
|--|---|---|--|
| <input type="checkbox"/> <b>Contract Administration</b><br>550 W 7th Ave., Suite 640<br>Anchorage, AK 99501-3576<br>(907) 269-8594 | <input checked="" type="checkbox"/> <b>Northern Region</b><br>3700 Airport Way<br>Fairbanks, AK 99709<br>(907) 451-2740 | <input type="checkbox"/> <b>Southcentral Region</b><br>550 W 7th Ave., Suite 900C<br>Anchorage, AK 99501-3577<br>(907) 269-8552 | <input type="checkbox"/> <b>Southeast Region</b><br>400 Willoughby,<br>Suite #400<br>P.O. Box 111020<br>Juneau, AK 99801<br>(907) 465-3400 |
|--|---|---|--|

**APPLICANT ENVIRONMENTAL RISK QUESTIONNAIRE**

The purpose of this questionnaire is to help clarify the types of activities you propose to undertake. The questions are meant to help identify the level of environmental risk that may be associated with the proposed activity. The Division of Mining, Land and Water's evaluation of environmental risk for the proposed activity does not imply that the parcel or the proposed activity is an environmental risk from the presence or use of hazardous substances.

Through this analysis, you may become aware of environmental risks that you did not know about. If so, you may want to consult with an environmental engineer or an attorney.

<u>Golden Valley Electric Association</u>			
Applicant's Name	Doing Business As		
PO BOX 71249	Fairbanks	AK	99707-1249
Address	City	State	Zip
( )	(907) 451-5629	GEWyman@gvea.com	Gregory E. Wyman
Message Phone	Work Phone	E-Mail	Contact Person

Describe the proposed activity:

Golden Valley Electric Association (GVEA) is proposing to construct a 24 megawatt (MW) wind farm in the Eva Creek Valley, located east of the Nenana River approximately 15 miles north-east of Healy, Alaska. In order to accommodate construction needs of the project, improvements of existing trails and new roads will be constructed for access to the wind turbine sites.

In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons? Yes  No

If yes, please list the substances and the associated quantities. Use a separate sheet of paper, if necessary.

See Attachment 1

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If the proposed activities involve any storage tanks, either above or below ground, address the following questions for each tank. Please use a separate sheet of paper, if necessary, and, where appropriate, include maps or plats:

a. Where will the tank be located? Attachment 1

b. What will be stored in the tank? Attachment 1

c. What will be the tank's size in gallons? Attachment 1

d. What will the tank be used for? (Commercial or residential purposes?) Attachment 1

e. Will the tank be tested for leaks? Attachment 1

f. Will the tank be equipped with leak detection devices? Yes  No . If yes, describe: Attachment 1

Do you know or have any reason to suspect that the site may have been previously contaminated? Yes  No .

If yes, please explain: \_\_\_\_\_

Roads and trails have been used by miners and hunters over the past 70 years. There is a possibility there have been minor spills, but we don't expect any large scale contamination.

I certify that due diligence has been exercised and proper inquiries made in completing this questionnaire, and that the foregoing is true and correct to the best of my knowledge.

Sheryl Weyman  
Applicant by Cheryl Lauder

4-18-11  
Date

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

## Attachment 1

### Applicant Environmental Risk Questionnaire Eva Creek Wind Energy Project

GVEA's construction contractor will be responsible for preparation and implementation for a Hazardous Materials Control Plan (HMCP) and a Spill Prevention Control and Countermeasure (SPCC) plan, which will include the information the Environmental Risk Questionnaire requires. These documents will be provided to ADNR upon receipt from the contractor.

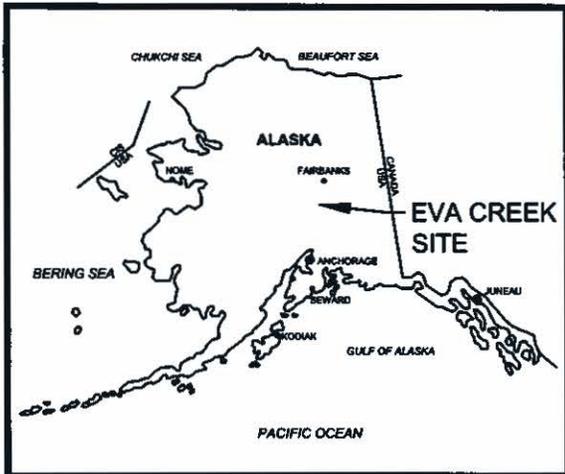
The HMCP will include the following:

1. Information to prevent pollution from storage, use, containment, cleanup, and disposal of all hazardous material, including petroleum products related to construction activities and equipment.
2. List and give the location and estimated quantities of hazardous materials (Including materials listed in 40 CFR 117 and 302, and petroleum products) to be used or stored on the Project.
3. Identify the locations where fueling and maintenance activities will take place, describe the activities, and list controls to prevent accidental spillage of petroleum products and other hazardous materials. Controls including placing absorbent pads or other suitable containment under fill ports while fueling and under equipment during maintenance or repairs. Secondary containment must be installed under all stationary equipment that contains petroleum products.
4. Types and approximate quantities of response equipment and cleanup materials available on the Project.
5. Procedures for containment and cleanup of hazardous materials including a plan for prevention, containment, cleanup, and disposal of soil and water contaminated by spills.
6. Methods of disposing of waste petroleum products and other hazardous materials generated by the Project, including routine maintenance.
7. Methods of complying with 18 AAC 75 and AS 46, Oil and Hazardous Substances Pollution Control and include contact information for reporting hazardous materials and petroleum product releases to federal, state and local agencies.

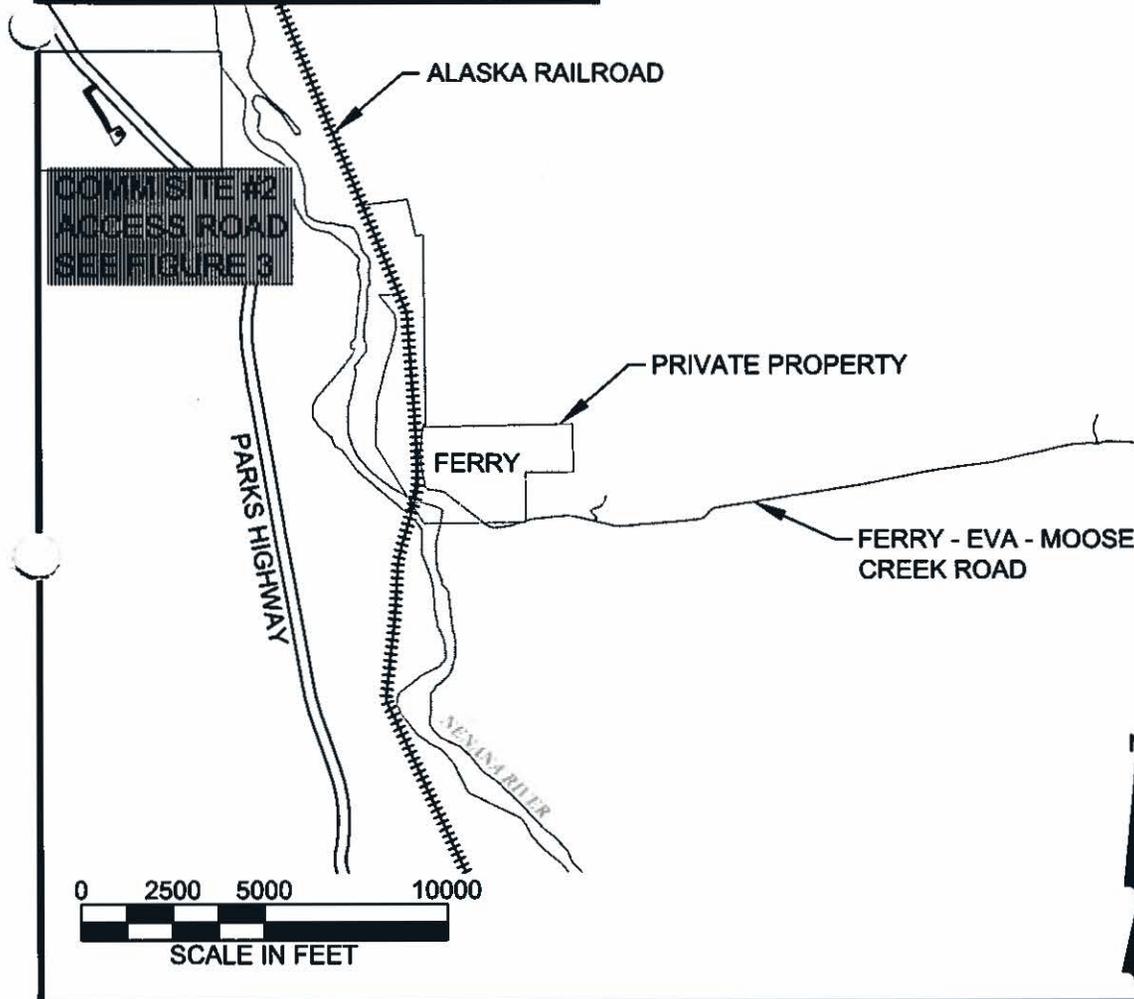
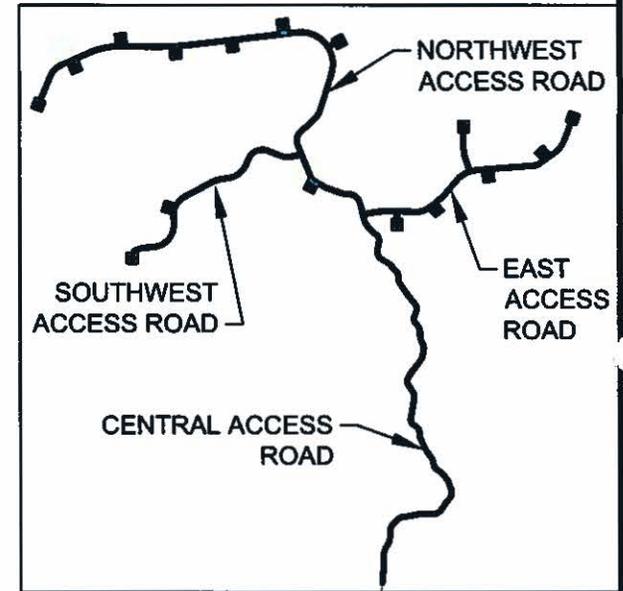
Information on estimated crews and equipment needed for construction is found in the table below.

**Table 1: Estimated Crews and Equipment Needs for Construction**

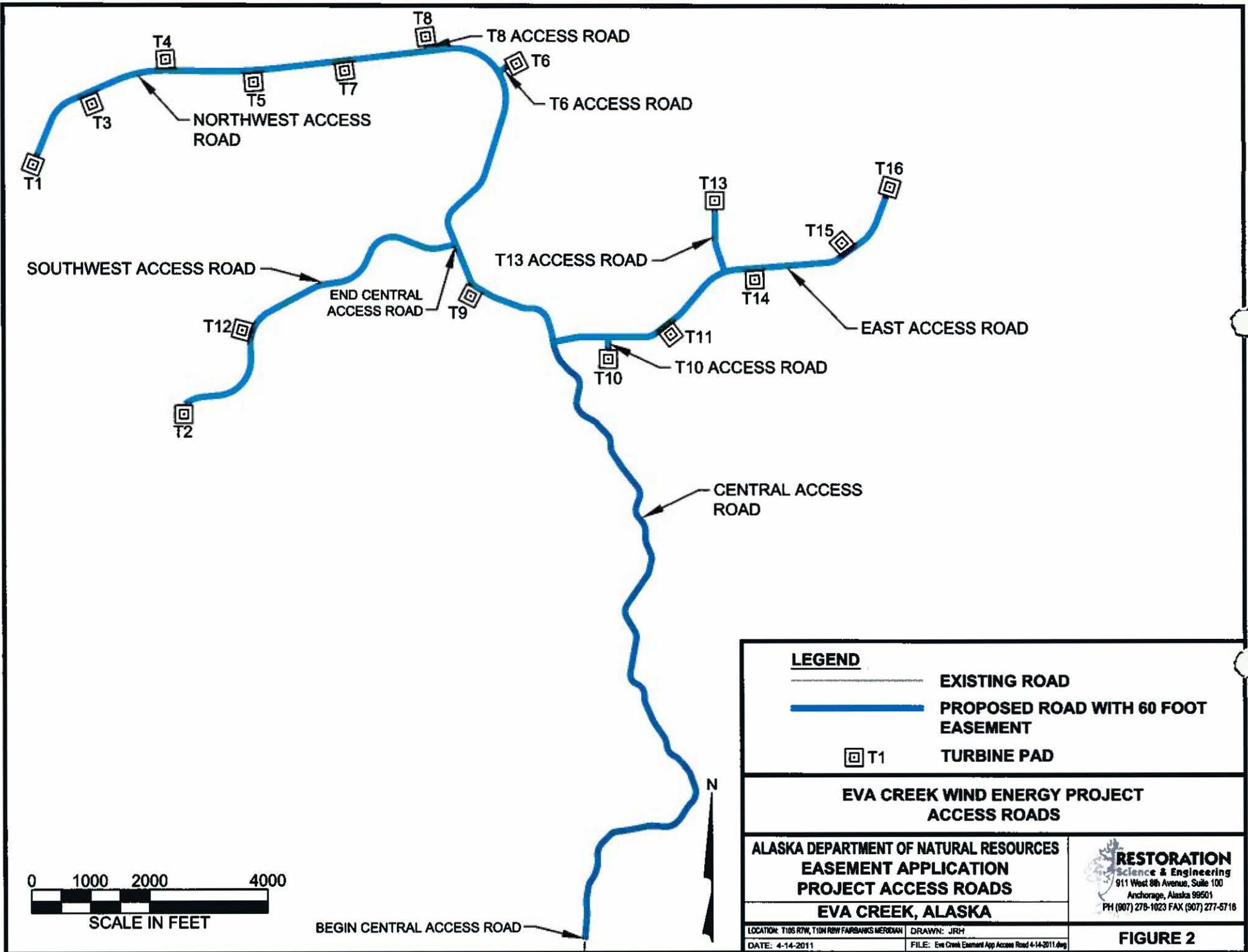
Construction Activity	Crews	Crew Size	Equipment Needed
Clearing and Grubbing	2	4	2 Loader Excavators, 2 HydroAxes, 2 Dozers
Site Grading, Road Construction and Foundations	2	20	2 Excavators, 2 Compactors, 2 Graders, 2 Water Trucks, 2 Dozers, 1 Concrete Batch Plant, 20 Concrete Trucks, 2 Screening Plants, 1 Rock Crusher
Turbines/Electrical	1	25	4 Backhoes, 2 Cranes, 2 Forklifts, 20 Trucks, 1 Water Truck
Buildings and Substation	1	10	2 Dozers, 2 Excavators, 2 Equipment Trucks, 2 cranes
Site Clean Up	2	5	2 Pick-up Trucks
Maintenance	1	4	2 Pick-up Trucks /2 Snow Machines



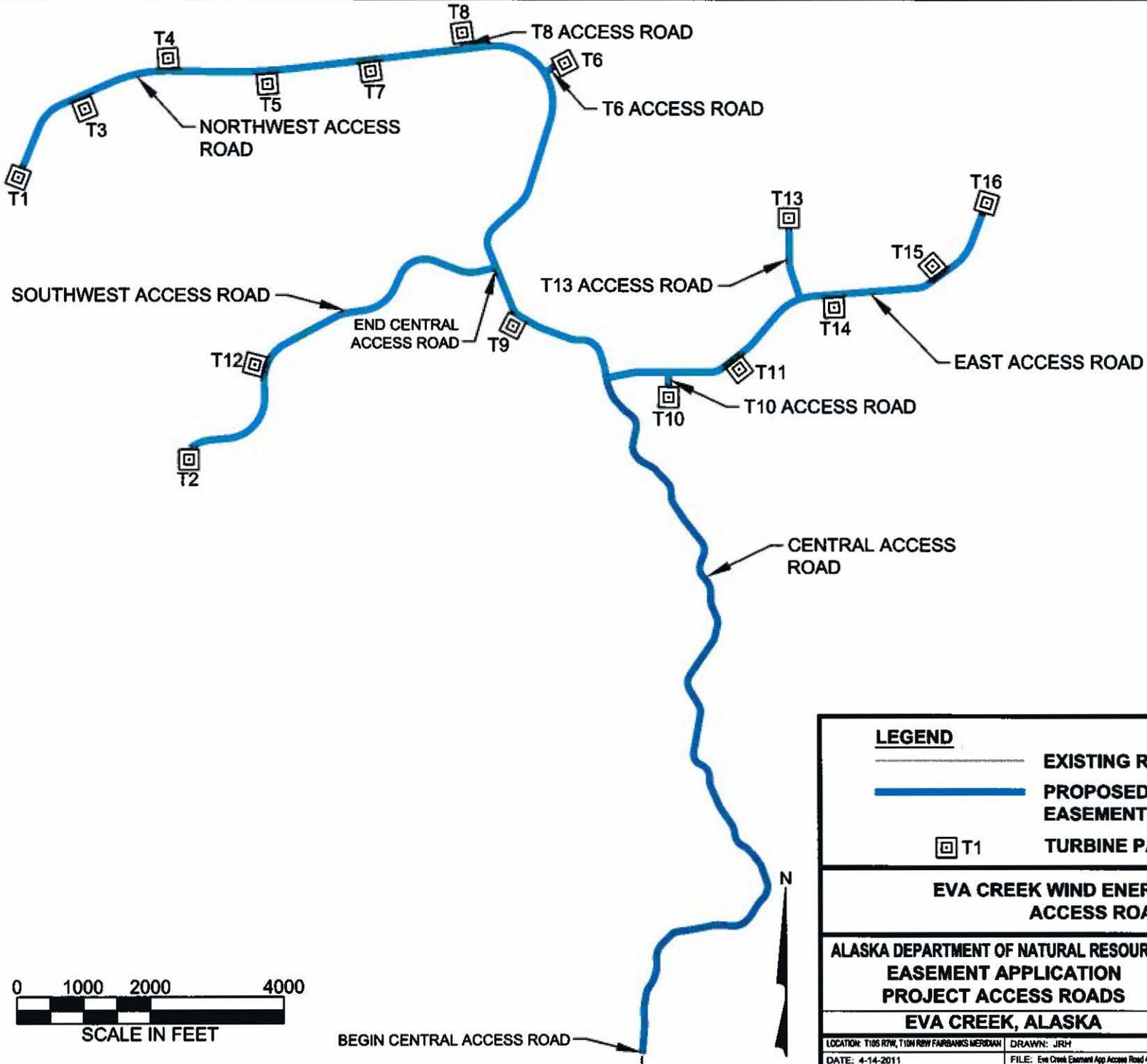
RIDGE SITES  
SEE FIGURE 2

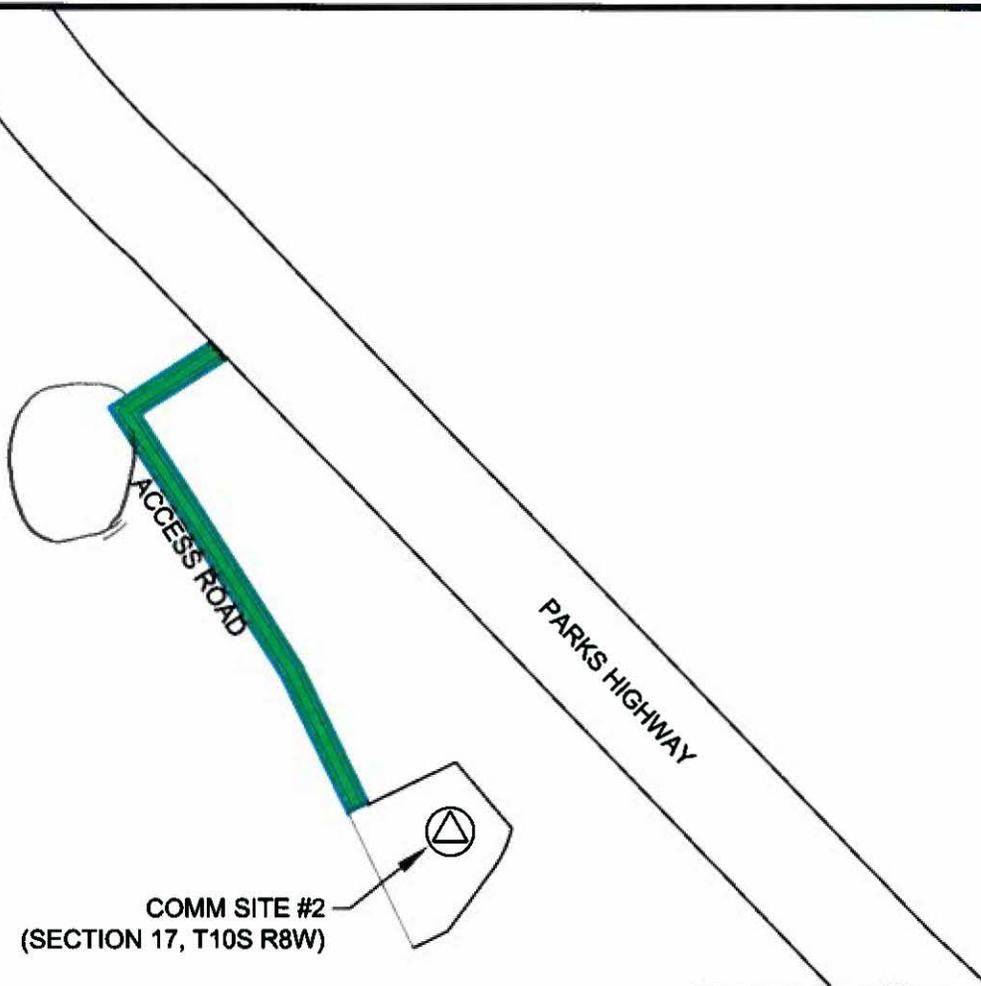


<b>LEGEND</b>	
	EXISTING ROADS AND TRAILS
	PROPOSED ACCESS ROAD WITH 60 FOOT EASEMENT
	TURBINE PAD
<b>EVA CREEK WIND ENERGY PROJECT PROJECT OVERVIEW</b>	
<b>ALASKA DEPARTMENT OF NATURAL RESOURCES EASEMENT APPLICATION PROJECT ACCESS ROADS EVA CREEK, ALASKA</b>	
LOCATION: T10S R2W, T10N R6W FAIRBANKS MERIDIAN	DRAWN: JRH
DATE: 4-14-2011	FILE: Eva Creek Easement App Access Road 4-14-2011.dwg
 <b>RESTORATION</b> Science & Engineering 911 West 9th Avenue, Suite 100 Anchorage, Alaska 99501 PH (907) 278-1023 FAX (907) 277-5718	
<b>FIGURE 1</b>	



BEGIN CENTRAL ACCESS ROAD

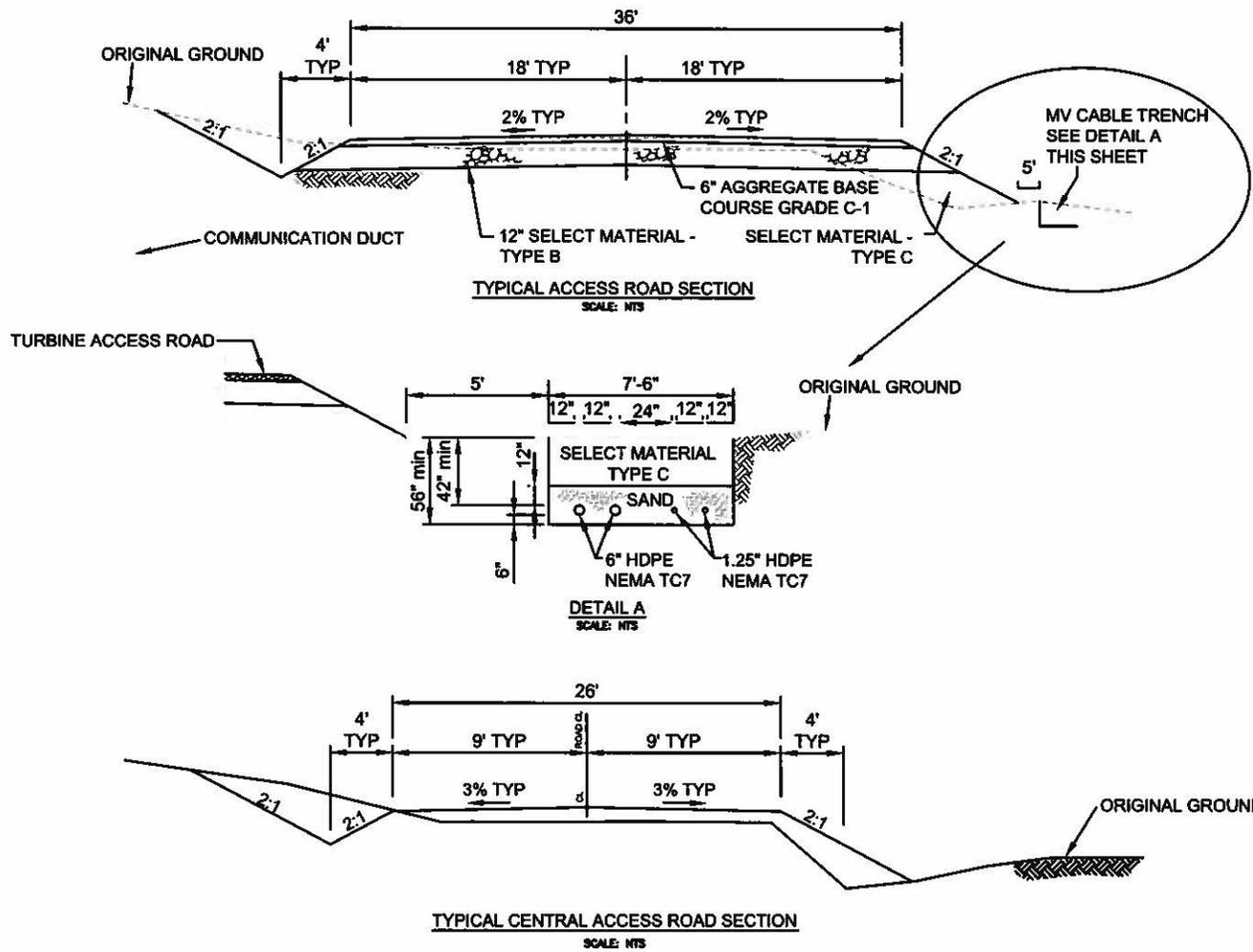




COMM SITE #2  
(SECTION 17, T10S R8W)



<b>LEGEND</b>	
	PROPOSED ROAD WITH 60 FOOT EASEMENT
<i>Sec 17 T10S R8W FM.</i>	
<b>EVA CREEK WIND ENERGY PROJECT CENTRAL ACCESS ROAD</b>	
<b>ALASKA DEPARTMENT OF NATURAL RESOURCES EASEMENT APPLICATION PROJECT ACCESS ROADS EVA CREEK, ALASKA</b>	
LOCATION: SECTION 17, T10S R8W	DRAWN: JRH
DATE: 4-14-2011	FILE: Eva Creek Easement App Access Road 4-14-2011.dwg
 <b>RESTORATION</b> Science & Engineering 911 West 8th Avenue, Suite 100 Anchorage, Alaska 99501 PH (907) 278-1023 FAX (907) 277-5718	
<b>FIGURE 3</b>	



**EVA CREEK WIND ENERGY PROJECT  
TYPICAL ROAD SECTIONS**

**ALASKA DEPARTMENT OF NATURAL RESOURCES  
EASEMENT APPLICATION  
PROJECT ACCESS ROADS**

**RESTORATION**  
Science & Engineering  
911 West 8th Avenue, Suite 100  
Anchorage, Alaska 99501  
PH (907) 278-1023 FAX (907) 277-5718

**EVA CREEK, ALASKA**

LOCATION: T105 ROW, T106 ROW FARBANKS MERIDIAN

DRAWN: JRH

DATE: 4-14-2011

FILE: Eva Creek Easement App Access Road 4-14-2011.dwg

**FIGURE 4**