



Cenovus FCCL Ltd.
421 7th Avenue S.W.
P.O. Box 766
Calgary AB T2P 0M5
(403) 766-2000
www.cenovus.com

November 16, 2012

Alberta Environment and Sustainable Resource Development
11th floor Petroleum Plaza ST
9915 – 108 Street
Edmonton, Alberta T5K 2G8

Attention: Mr. Glenn Selland
Commissioner, Land Use Secretariat
Integrated Resource Management Planning Division

**Re: Christina Lake Thermal Project
Mineral Surface Lease No. MSL 083668
RD2 Padsite & Utility Corridor
Mineral Surface Lease No. MSL 083666
RD3 Wellsite (observation water well) and Access Road**

As discussed by telephone on October 16, 2012, Cenovus FCCL Ltd., (Cenovus) respectfully requests Variance as per Section 15.1(1) of the *Alberta Land Stewardship Act*. The requested Variance is for existing attached MSL 083668 (RD2 Padsite & Utility Corridor) and MSL 083666 (RD3 Wellsite and Access Road).

The existing RD2 Padsite is located at 13-34-76-03 W4 and the existing RD3 Wellsite is located at 13-03-77-03 W4; both of which will be used for deep water disposal from Cenovus's Christina Lake SAGD Oil Sands project. RD2 and RD3 and a portion of the associated utility corridor and access road are now located within the Dillon River Conservation Area under the Lower Athabasca Regional Plan (survey attached). Changes to the LARP conservation area boundaries have put approximately 5.2 hectares of the 28.4 hectare development for RD2 inside the conservation area and all of the existing 4.24 hectares of RD3.

It is our understanding that you may grant variance for continued use of these lands as outlined in the attached form *Application for Variance in a Regional Plan*.

Your immediate attention to this matter would be very greatly appreciated.

Should you have any questions or concerns regarding this submittal please contact the undersigned at (403) 766-5416.

Sincerely,

Cenovus FCCL Ltd.



Kendall Dilling
Vice President, Regulatory Services and Community Relations

Attachments

- (A) MSL 083668 (RD2 Padsite & Utility Corridor)
- (B) MSL 083666 (RD3 Wellsite and Access Road)
- (C) Application for Variance in the Lower Athabasca Regional Plan (LARP)
- (D) Map of Christina Lake Remote Disposal Pads Locations
- (E) Figure 1.2-2 Christina Lake Thermal Revised Project Footprint
- (F) Figure 1.3-1 Christina Lake Thermal Project
- (G) Section 3.8 Deep Well Disposal from CLTP 1E, 1F and 1G

cc: Mike Pittman, Cenovus
Alan Reid, Cenovus
Kim Clayton, ERCB, Manager Applications Branch

Part 1: Details of Application for Variance

Name of Regional Plan:

Lower Athabasca Regional Plan

If the application is with respect to a land area, provide the legal description (Township, Range, Meridian). If the application is with respect to an existing land use, provide a description of that land use.

Legal description: 13-34-76-03W4M and 13-03-77-03W4M

Existing land use:

Water disposal at 13-34-76-03W4M three (3) wells drilled and up to seven (7) future additional wells planned.

Water observation (and planned future disposal) at 13-03-77-03W4M, one (1) well drilled and up to 11 future additional wells planned.

A. Clearly Identify the restriction, limitation or requirement under the Regional Plan that has resulted in you applying for a variance.

The Dillon River Conservation Area was expanded and now includes the existing Cenovus remote disposal well pad (13-34-76-03W4M also referred to as RD2) and observation well pad 13-03-77-03W4M (RD3). A variance is required to allow for completion and tie-in of the disposal sites to Cenovus's existing Christina Lake SAGD facility.

B. Explain why the variance is necessary

Cenovus FCCL Ltd. has existing and planned operations within the newly expanded Dillon River Conservation Area. Specifically:

- In 2008 extensive consultation with industry and First Nation stakeholders was conducted in order to select the 13-34-76-03W4M (RD2) and 13-34-76-03W4M (RD3) disposal locations. Other disposal locations were considered, but RD2 and RD3 were ultimately selected to minimize potential bottom water zone pressure impacts to adjacent operators and were preferred by First Nation community members using the area.
- Since 2008, Cenovus has been progressing development plans for RD2 and RD3 including assessment of environmental impacts and in the case of RD2 (the first of the two pads planned to be developed) completion of a pre-disturbance assessment and receipt of a surface disposition for the proposed activities (MSL 083668).

- The RD2 pad site was constructed and three (3) wells were drilled prior to the establishment of the Dillon River Conservation Area (ERCB well license numbers are 424582, 427777 and 427778 pursuant to issuance MSL 083668).
- Future development of the RD2 pad site will include up to seven (7) additional wells, two pipelines, an all weather road to the pad (from the existing RD1 water disposal pad which resides outside of the Conservation Area) to RD2 and various pad surface facilities. The all weather road will require an incidental borrow pit as described in the attached disposition application. Please note that the current disposition does not allow for full development of RD2 (specifically it only provides for a large enough well pad for the first seven (7) of 10 disposal wells ultimately planned. A subsequent pad expansion (and associated disposition amendment) will be required to expand the pad to accommodate all of the planned future wells.
- Similarly the RD3 pad site was constructed and one (1) well was drilled prior to the establishment of the Dillon River Conservation Area (ERCB well license numbers is 0424583, pursuant to issuance of MSL 083666).
- Future development of the RD3 pad site will include up to eleven (11) additional wells, two (2) pipelines, an all weather road to the pad (from RD2 to RD3) and various pad surface facilities. The all weather road will leverage off of the aforementioned incidental borrow pit.
- Cenovus's long-term plans for the RD2 and RD3 disposal locations were subsequently confirmed in 2009 through the commercial oil sands application submitted for Christina Lake Thermal Project Expansion Phases Phase 1E, 1F & 1G (ERCB approval 8591Q, AESRD Approval #48522-00-09). Excerpts from the application have been attached. Please note the previous plans (in this 2009 filing) included a total of up to five (5) disposal well pads for the Christina Lake Thermal Project. Additional future pads, namely RD4 and RD5, also in the Dillon Conservation Area are no longer required due to increasing the planned well counts on the RD2 and RD3 pads as outlined above. Overall this represents a significant reduction of surface disturbance, in particular within the Conservation Area. The Christina Lake Phases F and G Amendment currently under review by regulators allows for elimination of the RD4 and RD5 pads.

In September 2012 Cenovus filed D56 Pipeline Applications 1739971 and 1739973 with the ERCB for the proposed RD2 pipelines. During the application review process, the ERCB identified that the RD2 disposal location was now within a Conservation Area and informed Cenovus that they would be unable to issue the pipeline licenses unless specific approval to allow those activities within the Conservation Area was granted by the Land Use Secretariat.

Cenovus has invested approximately \$4 million in the RD2 and RD3 disposal locations to date. Construction of the access road, pad and pipeline required to complete RD2 was scheduled to commence in September 2012. As Cenovus was not aware of the conflict with the Dillon River Conservation Area until the issuance of the final LARP in late August 2012 construction planning was well underway and materials for the project have been purchased and transported to Christina Lake and contractors are sitting idle waiting for the project to commence. The seasonal construction window required to complete the RD2 project is fast closing. The RD2 disposal pad is an essential element of Christina Lake Thermal Project Phase 1E and if completion of RD2 is not allowed it would take at least one year to consult, select and receive approval for a new disposal location. Such a delay to the start of Phase E would have material impacts on existing Christina Lake operations and result in deferral of ~\$50MM in incremental royalties to the Province.

Development of RD3 is planned to start in 2015 to support Christina Lake Phases F and G. Both these remote disposal pads are envisioned to be required for operation for the full operating life of the Christina Lake Thermal Project which is currently forecast to be to approximately 2045 or beyond. The pads will ultimately be reclaimed in accordance with the regulatory approvals.

Part 2: Requested Relief

Describe the specific variance that you are applying for, including any proposed terms and condition of that variance.

Specific Variance:

RD2: Cenovus is requesting a Variance to allow the completion of the RD2 access road, pad and pipelines within the Dillon River Conservation Area as contemplated under existing MSL 083668 as well as a future amendment to said MSL to support ultimate planned development to ten disposal wells.

RD3: Cenovus is requesting a Variance to allow the completion of the RD3 access road, pad and pipelines within the Dillon River Conservation Area as contemplated in the commercial oil sands application submitted for Christina Lake Thermal Project Expansion Phases Phase 1E, 1F & 1G (ERCB approval 8591Q, AESRD Approval #48522-00-09).

Cenovus will construct and operate the above noted facilities in accordance with all applicable regulations including any and all restrictions imposed by the ERCB license approvals and/or the requested Variance.

Part 3: Other Applicable Information

Please provide any additional information that may be relevant to this application.

Cenovus actively participated in consultation associated with the development of the Lower Athabasca Regional Plan (LARP) during 2011. The conservation area boundaries in the final LARP issued in August 2012 materially changed since the completion of industry consultations in 2011. The proposed Dillon River Conservation Area boundary as consulted on in 2011 did not include the RD and RD3 locations. For reasons currently unknown to Cenovus, the Dillon River Conservation area was expanded in the final version of LARP and now includes the existing RD2 and RD3 pad sites.

Please refer to the following attachments and excerpts from reference regulatory documents.

Attachment A

MSL 083668 (RD2 Padsite & Utility Corridor)

Lands Division

Land Management Branch
3rd Floor, South Petroleum Plaza
9915 - 106 Street
Edmonton, Alberta
TSK 2G6

File No: MSI.083668

Phone: (780) 415-4654

Fax: (780) 427-1185

September 28, 2011

Cenovus FCCL Ltd.
Ste. 4000, 421 - 7th Ave SW
Calgary, Alberta
T2P 0M5

Attention: Land Department

Dear Sir/Madam:

RE: Mineral Surface Lease No. MSI. 083668
Pl. *See attached Schedule B*** (±4.24 acres)**
Padsite & Utility Corridor
Christina Lake Project
AMENDED LETTER OF AUTHORITY

Further to your amendment applications dated **September 15, 2009, December 10, 2010 and August 10, 2011**; this is to advise that the department has completed its review of your request.

Pursuant to Section 20 of the Public Lands Act, authority is hereby granted to enter upon those portions of vacant or other public lands for which you have obtained the occupant's consent. for the purpose of a **padsite and utility corridor**.

This is an amended authorization. All previously imposed conditions apply, plus:

1. 177 This authorization is approved subject to the methods and environmental conditions outlined in the Environmental Field Report Cover Document dated **August 10, 2011 (revised)**.
2. The holder shall comply with all provisions and requirements set out in the approval issued on these lands in accordance with Division 2, Part 2, of the Alberta Environmental Protection and Enhancement Act, which forms part of this authority.

EPEA No. 48522-01-00

.../2

Based on the information supplied with your amendment application, first year's charges for this authority are indicated below. Please remit this amount with 30 days. This account will be subject to a 12% interest charge if payment is not received within the time specified.

These charges are subject to review and amendment when your final plan is received and/or formal lease documents are prepared.

Application/Amendment fee	\$ 25.00
Additional Rental	\$ 472.00
Timber Damage Assessment	\$ 0.00
Plans/Amendment fee	\$ <u>150.00</u>
Total	\$ 647.00
Amount received	\$ 0.00
Balance owing	\$ 647.00

The holder will be invoiced annually for the subsequent annual rental. For the first five years of the term of this authority, unless an amendment is approved during this period, the amount will be \$360.00.

If you have any questions or concerns, please do not hesitate to contact the undersigned.

Sincerely



M.G. (Mel) White
Land Management Branch

Cc: Northeast Region
Lac La Biche Area
Lac La Biche Office
Attention: Tyler Caddey

Cenovus Energy Inc.
PO Box 766 Station "M"
Calgary, AB T2P 0M5
Attention: Denna Miller

Government of Alberta

Amendment for Surface Dispositions

Confirmation #: 2011008358 Department File Number
 Application Date: 2011-08-10 MSL083668

EFR attached? Yes No
 If No. AOA# Reason:

Reason for Amendment: Change Of Route Change of Location Plan Replacement

Width of right-of-way From: IRREGULAR To: IRREGULAR
 Dimensions From: To:
 Purpose From: To:

Other:

Applicant: CENOVUS FCCL LTD. Client ID: 8084944001

Address: 421 7 AVE SW SUITE 4000 Tel: (403)766-2727

City/Town: CALGARY Province: Alberta Postal Code: T2P 0M5 Fax: (403)407-7083

Applicant File Number: S449518 (REV 11) Applicant Email: deanna.miller@conovus.com

Program/Project Name: RD2 PADSITE

Contact/Agent: Miller, Deanna E-mail: deanna.miller@conovus.com

Organization: CENOVUS ENERGY INC.

Address: 421 7 AVE SW PO BOX 786 STN M Tel: (403)766-2727

City/Town: CALGARY Province: Alberta Postal Code: T2P 0M5 Fax: (403)407-7083

Contact File No: S449518 (MSL ONLY) Contact Alternate Email: lisa.stein@conovus.com

Consent: Attached Not Required Number Of Consent to Follow: 1

Lands Affected:

Add Lands					Delete Lands					Lands Now Required				
Subdivision	Plan	Blk	Lot	Par.	Subdivision	Plan	Blk	Lot	Par.	Subdivision	Plan	Blk	Lot	Par.
Qtr/LS	Sec	Twp	Rge	Mer	Qtr/LS	Sec	Twp	Rge	Mer	Qtr/LS	Sec	Twp	Rge	Mer
										NW	34	76	3	4
										NE	33	76	3	4
										NW	33	76	3	4
										NE	32	76	3	4
										NW	32	76	3	4
										SW	5	77	3	4
										SE	6	77	3	4
										NE	31	76	3	4
										NW	31	76	3	4
										NE	36	76	4	4
										NW	36	76	4	4
										NE	35	76	4	4

Attachments: EFR - Y; Declaration - N; Site Information - N; Consent - N; Code of Practice - N; First Nation Consultation - N; Other Documents - N.

Remarks: INSITU PROJECT - ATTN MEL WHITE - AMENDED MSL WILL COVER DELETED LANDS FROM LOC 890178

FOR DEPARTMENTAL USE ONLY
 Authorization is hereby granted to enter upon and immediately occupy public land as described on this application and in accordance with the plan(s) submitted to the Department subject to conditions specified in schedule 'A'

Date: _____ The Director, Public Lands Act

Dopl. Plan No. _____



Environmental Field Report (EFR) 2.0 Completion of EFR Cover Document For all Dispositions

The cover document and the appropriate supplement form must be submitted for each surface disposition application. All blanks must either be filled in or 'N/A' noted where applicable. Failure to fill out the document and form(s) completely will result in the EFR being rejected.

New Revised

Date Submitted 10/08/2011 Department Number MSI.083668

dd/mm/yyyy

Site/Project Name: Cenovus FCCI, Ltd. Disposal Well and Access/Pipeline Corridor 12-34-76-3-W4

This revision is in support of removal of the overlap between MSI and the preexisting LOC on the south side of the corridor.

A. Communications

1. Applicant: Cenovus FCCI, Ltd.
2. Company contact person for EFR: Roberta Frankow Phone: (403) 766-4035
3. E-mail: roberta.frankow@cenovus.com Cell Phone: (403) 519-2450
- 4.
5. Company representative who conducted the onsite assessment for the EFR:
Bruce MacGregor, RPE/John Hastie P.Ag
6. Phone: (780) 559-6195 Cell Phone: (780) 404-6399
7. Fax: (780) 559-8401 E-mail: bruce.macgregor@cenovus.com
8. Date of on-site assessment: 11/09/2009
dd/mm/yyyy

Note: SRD reserves the option to audit individual EFR's to ensure field visits have been conducted and information supplied is accurate.

B. Surface Location

LSD 15 Sec 35 Twp 76 Rge 4 W 4

To:

LSD 13 Sec 34 Twp 76 Rge 3 W 4

1. Construction is proposed under the following soil conditions (check the box that applies):
 - Frozen
 - Non-Frozen
 - Other (If "Other", explain)

Freezing down existing LOC 890178 will occur in 12/2011, wellsite construction in 01/2012, corridor cleared in 01/2012 for pipeline construction and road construction from 07/2012 through 06/2013.

Proposed construction date: See notes above _____
 dd/mm/yyyy

2. Specify associated developments/dispositions that may be required as a result of this disposition.

- Power line
- Pipeline
- Compressor
- Metering Station
- Access
- Other Pipeline and a portion of the access road (8 m) is included within the proposed disposition right of way. Existing 11 m LOC 890178 will be utilized to access the well site

LSAS Review

3. A complete Land Status Automated System (LSAS) check must be made on the proposed area.

Date LSAS search was completed: 19/11/2010 _____
 dd/mm/yyyy

Reservation/Activity Number	Action required/identify conflicts/contact name and or comments
FMA 9100029	Alberta-Pacific Forest Industries Inc
TPA 615	Stuart Janvier
TPA 668	David Janvier
TPA 616	Ida Herman

- a. Within a Provincial Grazing Reserve? Yes No
 If 'Yes', complete the Provincial Grazing Reserve template and attach to the Environmental Field Report. (Refer to Appendix 1 in the instruction document.)
- b. Within the Chungo Access Management Area? Yes No

If 'Yes', complete the Chungo Area template (located at the end of IL 2005-01 – Annex to Chungo Creek Industrial Access Management Area Information Letter Alberta SRD - Lands - Forms and Publications - Managing Public Lands)

and attach it to the Environmental Field Report.

- c. Within a FireSmart Community Zone? Yes No

If 'Yes', contact Forest Protection Division for additional hazard reduction requirements. Alberta SRD - Wildfires - FireSmart - Information & Projects

- d. Follow the "Bear Smart" program to reduce bear-human conflicts and increase public stewardship of black and grizzly bears in Alberta by providing strategies, information and education materials to its staff and contractors.

4. Are Permanent/Research Sample Plots/Rangeland Benchmarks located within 100 m of the boundary of the lands under application? Yes No

If 'Yes', indicate the legal land description and GPS coordinates for each plot/benchmark in relation to the disposition boundary (degree, decimal, minutes).

Reservation No. _____ PSP/RSP No. _____ LSD _____ Sec _____ Twp _____ Rge _____ W _____

Latitude _____ Longitude _____ Distance away _____ m

Reservation No. _____ PSP/RSP No. _____ LSD _____ Sec _____ Twp _____ Rge _____ W _____

Latitude _____ Longitude _____ Distance away _____ m

Reservation No. _____ PSP/RSP No. _____ LSD _____ Sec _____ Twp _____ Rge _____ W _____

Latitude _____ Longitude _____ Distance away _____ m

Reservation No. _____ PSP/RSP No. _____ LSD _____ Sec _____ Twp _____ Rge _____ W _____

Latitude _____ Longitude _____ Distance away _____ m

Reservation No. _____ PSP/RSP No. _____ LSD _____ Sec _____ Twp _____ Rge _____ W _____

Latitude _____ Longitude _____ Distance away _____ m

Reservation No. _____ PSP/RSP No. _____ LSD _____ Sec _____ Twp _____ Rge _____ W _____

Latitude _____ Longitude _____ Distance away _____ m

Reservation No. _____ PSP/RSP No. _____ LSD _____ Sec _____ Twp _____ Rge _____ W _____

Latitude _____ Longitude _____ Distance away _____ m

Reservation No. _____ PSP/RSP No. _____ LSD _____ Sec _____ Twp _____ Rge _____ W _____

Latitude _____ Longitude _____ Distance away _____ m

PSP's held by SRD appear as DRS or PNT reservations on the LSAS report. The forest industry also has sample plots, and if these are registered, they will appear as ISP's on the LSAS report. If the forest industry sample plots are not registered, they will not appear on the LSAS report. The proponent is responsible for determining if there are any PSP's or ISP's on the land under application. PSP's and ISP's must not be disturbed.

Stakeholders, Other Land Users

5. Is there potential impact on or conflict with stakeholders and other land users? Yes No
If "Yes" to either, please list and explain mitigation:

Disposition holders Alberta-Pacific Forest Industries Inc, Stuart Janvier, Ida Herman and David Janvier will be contacted and consulted.

6. What actions have been taken to integrate this disposition with other existing/planned activities and resources to minimize the impacts on the land base? (Check appropriate boxes.)

- Not applicable
 Use common corridor
 Parallel existing clearing/right of way
 Use existing clearing/right of way
 Other _____

Explain: Utilize the existing 11 meter cleared right of way as part of the access/pipeline corridor for a combined maximum width of 35 meters with the exception of the reroute around the trappers cabin.

7. Identify any aesthetic concerns related to the proposed activity (i.e., negative effects on the aesthetic/sensory aspects of the surrounding land including view, smell, noise, etc.).

- Not applicable
 From public access
 From residence
 From recreation facility
 Other _____

Explain: The Trapper, David Janvier, was consulted during the project planning phase and Cenovus has moved the right of way to the north of his cabin as requested by Mr. Janvier. There are no other public residences, or recreational facilities in the area. No aesthetic concerns are anticipated.

8. Are there any conflicts with Access Management Plans, Integrated Resource Plans or policy documents for the area? Yes No

If "Yes", explain mitigation strategy: N/A

9. Was First Nations (Aboriginal) consultation required by a SRD field office? Yes No

If "Yes", with whom: The following communities and groups have been consulted regarding this proposed disposition: Chipewyan Prairie Dene First Nation, Heart Lake First Nation, Beaver Lake Cree Nation, Fort McMurray First Nation.

C. Wildlife/Environmental Concerns

1. Within a Key/Critical Wildlife Zone? Yes No

If "Yes", provide information on mitigation strategies that will be implemented: Cenovus will ensure that there will be no destruction of active migratory bird nests throughout the year. CCP submitted under OSE 100010.

2. Wildlife Timing Constraint apply? Yes No

If "Yes", provide dates of restricted period: From N/A To N/A (See Provincial Timing Guidelines or FW referral maps.)

3. Fisheries Timing Constraint apply? Yes No
 If 'Yes', provide dates of restricted period: From April 15 To July 15 (See Provincial Watercourse Codes of Practice for restricted periods.)
4. Within a Caribou Area? Yes No. If 'Yes', specify the Caribou Protection Plan number and name.
NE1-002-Cenovus Chr Lake-2010/11

Species at Risk (Plant/Animals)

5. Is it likely that a species at risk (not including Woodland Caribou in number 4 above) will be found in the area of the proposed development? Yes No
 If 'Yes', specify the status and protective strategy for each species: FWMIS system was consulted and the species listed are Woodland Caribou and Bald Eagle. A sample of other species in the general area are Canada Lynx, Fisher, Black Bear, Grey Wolf, American Marten, Deer and Red Squirrel. No rare plants were found during on-site inspection and none were listed on the ACMIS site. Golder and Associates found a Pitcher Plant near the proposed borrow pit in LSD 16-35-76-4-W4 during PDA work.

<p>Species 1 <u>Pitcher Plant</u></p> <p><input type="checkbox"/> Endangered <input type="checkbox"/> Threatened <input type="checkbox"/> Special Concern <input type="checkbox"/> At Risk <input checked="" type="checkbox"/> May Be At Risk</p> <p>Explain any conflict and proposed mitigation</p> <p><u>Construction will occur during frozen ground conditions reducing the potential of disturbing this species to low.</u></p>	<p>Species 2 <u>Woodland Caribou</u></p> <p><input type="checkbox"/> Endangered <input checked="" type="checkbox"/> Threatened <input type="checkbox"/> Special Concern <input type="checkbox"/> At Risk <input type="checkbox"/> May Be At Risk</p> <p>Explain any conflict and proposed mitigation</p> <p><u>CPP - NE1-002-Cenovus Chr Lake-2010/11</u></p>
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<p>Species 3 <u>Bald Eagle</u></p> <input type="checkbox"/> Endangered <input type="checkbox"/> Threatened <input type="checkbox"/> Special Concern <input type="checkbox"/> At Risk <input type="checkbox"/> May Be At Risk Explain any conflict and proposed mitigation <u>Not listed as at risk, but noted as "sensitive".</u>	<p>Species 4 _____</p> <input type="checkbox"/> Endangered <input type="checkbox"/> Threatened <input type="checkbox"/> Special Concern <input type="checkbox"/> At Risk <input type="checkbox"/> May Be At Risk Explain any conflict and proposed mitigation
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Alberta Fish and Wildlife Division recommends predevelopment inventory be conducted on all native grasslands habitats within the Grassland Natural Region due to high concentration of Species at Risk and limited site specific information on occurrences.

6. Has a pre-development Species at Risk inventory been completed to alert the applicant of any wildlife concerns related to this project? Yes (copy of inventory attached) No
 If 'No', explain: The proposed wellpad, access/pipeline corridor is located in the Boreal Forest Region, therefore no pre-development inventory is required. The species at risk has been checked on the Fish & Wildlife FWMIS site and listed above.
 Has the activity been assessed to ensure it does not negatively affect any species at risk? Yes No
 If 'No', explain: Boreal Region and the species at risk has been checked on the Fish & Wildlife FWMIS site and listed above.
8. If Access Restrictions apply, include legal land description and explain mitigation measures.
 LSD N/A Sec N/A Twp N/A Rge N/A W N/A
 LSD N/A Sec N/A Twp N/A Rge N/A W N/A
 Explain mitigation strategy: N/A
9. If within or adjacent (within 100 m) to a Protected Area, indicate the type of protected area and explain what measures will be taken to avoid conflict with the protected area.
 Natural Area Ecological Reserve Park Other N/A
 Name of protected area: _____
 Explain mitigation strategy: There are no protected areas within the proposed disposition area.
10. Are there any environmentally sensitive areas in the vicinity (within 100 m) of the proposed activity that will require special measures to protect? Yes No
 If 'Yes', list and explain: _____
11. Is the proposed activity within a permafrost area? Yes No
 If 'Yes', specify the Permafrost Protection Plan number and name: N/A

D. Historical Resources

Date search completed 23/11/2010
 dd/mm/yyyy

What is the Historical Resource Value (HRV) of the affected lands?

Not Listed 1 2 3 4 5

If HRV is 1-5, an 'Application for Historical Resources Act Clearance' must be submitted to the Cultural Facilities and Historical Resource Division (CFHRD) of Alberta Community Development.

Date submitted N/A as not listed
dd/mm/yyyy

Note: Activities on land that has an HRV of 4 or 5 may require a Historical Resources Impact Assessment (HRIA).

E. Vegetation and Timber Cover

Vegetation (check all that apply)

Native grassland

Tame pasture

Cropland

Sparsely or non-vegetated

Cutblock - planted

Natural regeneration >2 m

Treed wetland

Shrubby wetland

Grass or grass-like wetland

Native aspen parkland

Other (specify) Boreal Forest

Deciduous-dominant forest:

("D" less than 30% coniferous trees)

Coniferous-dominant forest:

("C" more than 70% coniferous trees)

Mixedwood forest:

("CD" 70% to 50% coniferous trees)

("DC" 50% to 30% coniferous trees)

Timber Salvage

1. Merchantable timber present? Yes No

Provide a volume inventory as follows:

Coniferous approx. volume _____ m³ or _____ number of loads

Spruce 30 _____ % Pine 70 _____ % Other _____ %

Deciduous approx. volume _____ m³ or _____ number of loads

Aspen 100 _____ % Other _____ %

2. Specify the timber disposition or FMA(s) shown on LSAS.

No disposition (Contact SRD field office)

Disposition number of FMA: FMA9100029, holder name Alberta-Pacific Forest Industries Inc.

3. Utilization standards:

Coniferous 15 _____ cm stump diameter to a 11 _____ cm top diameter.

Deciduous 15 _____ cm stump diameter to a 10 _____ cm top diameter.

4. Timber salvage waiver requested? Yes No

If 'Yes', provide justification: N/A

5. Provide the name of the salvage purchaser _____, or check one of the following:

Not known at this time

By TM88 (or equivalent)

By Timber permit

6. When will the salvage be removed/hailed from the site to a wood processing plant?

Proposed date start: 01/01/2011
dd/mm/yyyy

Proposed date complete: 31/03/2011 2nd phase of salvage to be completed in 2012
dd/mm/yyyy

Notes: The operator is responsible for moving the salvage to a site that is accessible to ensure all the wood can be removed. This may require forwarding the wood to a site with all-weather access.

A copy of the TM88 or equivalent must be submitted to the SRD field office to ensure proper tracking of ownership, transport and manufacturing can occur.

F. Soil and Vegetation Management

Soil salvage, storage, replacement, and handling procedures shall be in keeping with those outlined in Section 6 "Site Disturbance, Clearing and Soil Management," of the "Public Lands Operational Handbook". The Handbook is available at: <http://www.srd.gov.ab.ca/lands/formspublications/managingpublicland/default.aspx>.

Note: Projects on specific areas of public land may require a soil survey. The proponent is to identify such requirements during the planning process.

Are there soil sensitivities (i.e., shallow depth to water table; shallow depth to bedrock; soils are gravelly or stony, etc.)? Yes No

Explain: N/A

Surface expression (i.e., topography). The topography for the proposed access road, pipeline and wellpad disposition is gently undulating with some hummocks. The areas through muskeg are flat. At the well pad the area is hummocky.

Site drainage (i.e., drainage is very poor, poor, imperfect, moderately well, well, rapid, or very rapid)

The route varies from poorly drained to moderately well drained.

Are there problem vegetation/weeds/invasive species on or near site at time of assessment?

Yes No Explain No weeds evident at time of assessment. Weeds will be addressed as per "Cenovus's Best Practices on Vegetation Management".

Identification of species, degree of infestation and approximate amount of area infested per species.

<input type="checkbox"/> Trace (rare)	Species 1	Species 2	Species 3
<input type="checkbox"/> Low (occasional)	Species 1	Species 2	Species 3
<input type="checkbox"/> Moderate (scattered plants)	Species 1	Species 2	Species 3
<input type="checkbox"/> High (fairly dense)	Species 1	Species 2	Species 3

Is there a risk of weed spread to the site if development proceeds?
 High Moderate Low

If any risk, provide details in reclamation and construction sections of supplements.
If high or moderate, show location on the application plan.

G. Incidental Activities

The applicant is to identify and outline on the application plan any incidental activities required for temporary use.

Note: No additional approval is required for incidental activities that are applied for with the disposition and included in the plan.

If the incidental activity is *not approved* under the disposition, a separate approval is required. Incidental activities approved in this manner are for temporary use only and are *not* part of the surface disposition.

1. According to field assessment, will additional incidental clearings be required? Yes No
If 'Yes', indicate the purpose:

Campsite Borrow Pit Salvage Deck
 Temporary Workspace Backslope Temporary Access
 Other Corridor includes incidental borrow pits (shown on plan) and salvage will be decked within the corridor and hauled out. _____

2. Are any additional clearings planned in reforested areas? Yes No
If 'Yes', explain N/A _____

The Core Operating Conditions are standard practices that must be applied to all activities.

II. Core Operating Conditions

Prior to Entry - Confirmation Number

099 The holder shall contact and advise the departmental officer of its intentions:

- prior to entry upon the lands for a stated purpose,
- prior to any additional construction during the term of this authority,
- at the completion of operations or construction, and
- upon abandonment of this activity.

Upon contact prior to initial entry on the land, the departmental officer shall issue a confirmation number that shall be maintained on file by the holder and be provided to the departmental officer on request.
<Location & Telephone No.> Loc: La Piche Forest Area (780) 623-5254 _____

Adverse Ground Conditions

105 Any activity on the land during adverse ground conditions must be suspended if the activity is likely cause unacceptable damage to vegetation or soil, as may be determined by the holder or the department.

Sample Plots

108 No entry is allowed within the boundaries of any research or sample plot.

Reclamation - Interim

127 The holder shall reclaim all disturbed land surfaces within two growing seasons. Interim reclamation, including site and debris clean-up, slope stabilization, recontouring with subsoil, and spreading of topsoil shall be done progressively and concurrently with operations.

Reclamation - Final

128 Final surface reclamation must meet the requirements for the specific activity in place at the time of abandonment.

Noxious Weeds

131 The holder shall cut, keep down and destroy all noxious weeds and restricted weeds as per the *Public Lands Act*.

Waste Material Disposal

135 The holder shall remove all garbage and waste material from this site to the satisfaction of the department, in its sole discretion.

Watercourse/Water Body - No Material to be Deposited

148 The holder shall not deposit or push debris, soil or other deleterious materials into or through any watercourse or water body or on the ice of any watercourse/water body.

Erosion Prevention

158 The holder shall take all precautions and safeguards necessary to prevent soil and surface erosion to the satisfaction of the department in its sole discretion.

Natural Drainage - No Interruption

161 The holder shall not create any interruptions to natural drainage, including ephemeral draws that may result in blockage of water flow.

Environmental Field Report (EFR) 3.0 Completion of Supplement A Sites and Installations

The cover document and the appropriate supplement form must be submitted for each surface disposition application. All blanks must either be filled in or 'N/A' noted where applicable. Failure to fill out the document and form(s) completely will result in the EFR being rejected.

New Revised

Date Submitted: 10/08/2011
dd/mm/yyyy

MSL Number 083668

PH. Number: _____

Site/Project Name: Disposal Well and Access/Pipeline

Legal land description: LSD 13 Sec 34 Twp 76 Rge 3 W 4

A. Site Description

1. Stability concerns: Yes No If 'Yes', explain mitigation: N/A

Questions 2, 3, 4 and 5 of section A apply to MSL only. The "Wellsite Spacing Recommendations" may be used as a guide <http://srd.alberta.ca/lands/formspublications/usingpublicland/default.aspx>.

2. Well type: Oil Sweet Gas Sour Gas (H₂S) Coalbed Methane Single Well pad Multi-well pad

Other This application is for a permanent disposition as a disposal well for the Christina Lake Thermal Plant.

3. Well depth: 500m

4. Flare requirements for drilling: 50 m 35 m 25 m

Flare pit Flare tank Flare stack

5. Number of zones to be completed/produced 0 Inter-well spacing N/A m.

B. Vehicle/Equipment Access

How will the site be accessed? (Check boxes that apply)

By an existing access held under disposition or jurisdiction (specify name, disposition number, and owner):
Cenovus FCCI, Ltd. LOC 890178

New application (LOC)

New access included in this application.

Note: If access is part of the site and installation application, an access supplement must be submitted.

C. Contamination Prevention

1. Is the boundary of the site located within 100 m of a watercourse? Yes No

If 'Yes', specify distance from edge of lease to top of breaks in meters N/A

Explain mitigation strategy if within 100 meters N/A

2. Will the site be diked during drilling? Yes No During production? Yes No

If 'No', explain why not. Drilling muds and other fluids used during the drilling and completions process will be contained in tanks reducing the opportunity for any surface contamination.

Will other methods of on-site contamination prevention be required? Explain Daily monitoring will be carried out during the drilling phase to ensure that all contaminants are contained on-site. Drilling muds and other fluids used during the drilling and completions process will be contained in tanks reducing the opportunity for any surface contamination.

Applicable to MSI, only

D. Sump

Type of sump (check appropriate box): On-site pit Above-ground tank on site
 In-ground tank on site Remote sump

Remote sump location: LSD SE Sec 7 Twp 76 Rge 6 W 4

Private land Public land (if location known, indicate on the survey plan)

GPS coordinates: (deg/min/decimal) NAD83 Latitude 55.5681 Longitude 110.9212

Proposed mud type: Hydrocarbon: _____ Salt base: _____ Gel chem: _____

Other: _____

Applicable to MSL only

Disposal

Estimate volumes to be disposed of: Solids 45 m³ Liquids 180 m³

Proposed disposal method: Mix/bury/cover Land spreading Land farming Pump-off

Disposal on forested public land

Other Land farm CCS Approximate date of disposal July 2011

Private Land

Public Land

Indicate land farming or land spreading location if off site on public land.

LSD SE Sec 7 Twp 76 Rge 6 W 4

Applicable to MSI, only

E. Source of Water

- 1. Water Required: Yes No Water well on lease
- 2. Offsite source: Offsite water well Lake Stream River
- Other (specify type) _____

Location: LSD 7 Sec 10 Twp 77 Rge 6 W 4

- 3. Access required to water source? Yes No If 'Yes' attach a sketch.

F. Construction Strategy

- 1. Vegetation Removal
Explain: Cenovus will salvage the merchantable timber and pile and burn non-merchantable timber
- 2. Brush Disposal
Explain: Brush will either be piled and burned. Brush burning will be completed by March 31, 2011. Burning will occur either on mineral soil or by utilizing a burning sloop.
- 3. Topsoil handling: (Check appropriate boxes) No stripping Minimum surface disturbance
 Stripping Single Lift Two Lift Other (Explain) In areas with less than 40cm of peat (organic horizon) all organic materials will be salvaged. Where peat is greater than 40cm in thickness peat will not be salvaged. All topsoil (A-horizon) will be salvaged in upland areas. sub-soil will be salvaged, separately from the top soil to a maximum thickness of 30cm in upland areas.

Additional details: Two lift soil salvage with individual stripping of horizons.
- 4. Will padding of the wellsite be required? Yes No,
If 'Yes' Explain: Well pad is upland

G. Reclamation Strategy

- Revegetation strategy: (Check appropriate boxes) Natural Recovery Native Seed
 Non-native Seed Other _____
- Interim: A natural recovery approach to revegetation, supplemented with tree and shrub planting if needed will be adopted. Grasses and forbes species are expected to establish naturally from soil seed banks and/or invasion from adjacent natural areas. Trees and shrubs are expected to regenerate naturally.
- Production/Operation: Cenovus will progressively reclaim areas that are not being used by decontaminating, deep ripping, recontouring, replacing salvaged sub-soil and top soil, and seeding with an approved native seed mix will be conducted as required.

Applicable to MSL only
See Appendix III - Lease Description and Wellsite Sizing Information

Note: Complete and attach the lease description and wellsite sizing template (in the Appendix) if a non-standard wellsite is required as per the lease description and wellsite sizing document (see instructions).

Operating Condition

Contamination Prevention

- 136** In addition to complying with Federal, provincial and local laws and regulations respecting the environment, including release of substances, the holder shall, to the department's satisfaction, take necessary precautions to prevent contamination of land, water bodies and the air with particulate and gaseous matter, which, in the opinion of the department in its sole discretion, is or may be harmful.

Environmental Field Report (EFR) 4.0 Supplement B - Access

The cover document and the appropriate supplement form must be submitted for each surface disposition application. All blanks must either be filled in or 'N/A' noted where applicable.
Failure to fill out the document and form(s) completely will result in the EFR being rejected.

New Revised

Date Submitted 10/08/2011
dd/mm/yyyy

LOC Number _____

Legal land description: From: LSD 15 Sec 35 Twp 76 Rge 4 W 4
To: LSD 13 Sec 34 Twp 76 Rge 3 W 4

Note: The Pre-disturbance Planning and Surface Access Management sections of the Public Lands Operational Handbook should be consulted when dealing with new access development, extensions or upgrading existing access. Before a road is approved, the applicant may be requested to present the advantages and disadvantages on any alternate proposals, the rationale for selecting a particular route and the trade-offs made.

A. Type of Access/Dimensions

1. Initial access width 8 m and type of access:

- undeveloped dry
- undeveloped frozen
- dry weather
- all-weather (permanent)
- NA

Explain: Existing MSI 083668 is being amended for access/pipeline corridor.

2. Final access width 35 m as applied for and type of access:

- undeveloped dry
- undeveloped frozen
- dry weather
- all-weather (permanent)

Explain: All-weather access to include access and pipeline to disposal well in LSD 13-34-76-3-W4

Notes: For winter access it is recommended that existing seismic lines be used for initial access to a location. Widening of these lines should be minimized. Minimal widths for initial access are to be used wherever possible. Once a well or development is considered viable, the applicant generally plans to move to a wider ROW (e.g. 20m) for development of a high grade road. In this case, the 20m width can be applied for with the understanding there will be no additional clearing beyond the 8-10m width indicated until the development is proven viable.

If the entire ROW is cleared initially and then not required for the development, it will be treated as **Unauthorized** use of public land and appropriate enforcement action will be taken.

If electricity is required at a facility, the ROW must be planned to ensure the power line is located on the downwind side. This is required to maximize the tree-free area adjacent to the power lines, thus reducing

the potential of falling trees hitting the power line and possibly starting a wildfire, as well as, cutting off power to the facility.

Where a road, pipeline, and power line ROW are required, it is recommended the power line be located between the road and pipeline. This greatly reduces the clearing requirements and keeps the power line safe from falling trees.

B. Topography

1. Mark more than one box to show range:

- Level (0-2%)
- Gentle (3-10%)
- Moderate (11-15%)
- Steep (16-30%)
- Very steep (over 30%)

Explain: Route is flat to undulating with hummocks

C. Watercourse Crossings

Avoidance, Minimizing and Mitigation/Compensation, in that order, are considerations for watercourse crossings. See the instructions for additional explanation.

1. Will watercourse crossings be installed? Yes No. (If 'No', go to next section).
If 'Yes', number the watercourse crossings on the survey plan and complete the table below.

Note: All licences, authorizations and approvals issued by Alberta Sustainable Resource Development under the *Public Lands Act and Forests Act*, and by Alberta Environment under the *Environmental Protection and Enhancement Act and Water Act*, should not be taken to mean the proponent (applicant) has complied with federal legislation. Proponents should contact Fisheries and Oceans Canada in the location nearest to them (Peace River, Edmonton, Calgary, Lethbridge) in relation to the application of federal laws, including but not limited to the *Navigable Water Protection Act* and the *Fisheries Act* (Canada).

Crossing Number	Crossing Method	Culvert/Bridge Size Diameter (mm) x length (m)	Water-course Size Class (1-4)	LSD	Sec	Twp	Rge	Mer	Specify if restricted activity period (dd/mm/yyyy)	Class of Waterbody from COI (A,B,C,D)
	Initial bridge	5 X 25	1	13	32	76	3	4	From 15/04/2011	C
	Final bridge								To 15/07/2011	
	Initial	X							From	
	Final		To							
	Initial	X							From	
	Final		To							

2. Temporary watercourse crossings will be removed by 31/03/2011
dd/mm/yyyy

Note: Temporary crossings must not be installed or existing ones removed during restricted activity periods unless clean flow can be maintained. Crossings installed during winter work should be removed prior to spring break up.

D. Construction Strategy

Plan attached (Include all areas of existing clearing(s) and new clearing(s) to be used, and their dimensions)

1. Vegetation removal: Explain: Cenovus will salvage the merchantable timber and pile and burn non-merchantable timber. Cenovus is not to use the Grubbing to remove vegetation to avoid potential erosion.

2. Brush disposal: Explain: Brush will either be piled and burned. Brush burning will be completed by March 31, 2012. Burning will occur either on mineral soil or by utilizing a burning slope.

3. Topsoil handling/Topsoil stripping width: (Check the appropriate boxes for initial and final access)

Minimal surface disturbance (no stripping)

Stripping Single Lift Two Lift Other _____

Explain if more than one box has been checked. In areas with less than 40cm of peat (organic horizon) all organic materials will be salvaged. Where peat is greater than 40cm in thickness peat will not be salvaged. All topsoil (A-horizon) will be salvaged in upland areas. sub-soil will be salvaged, separately from the top soil to a maximum thickness of 30cm in upland areas.

Additional details: Two lift soil salvage with individual stripping of horizons. Frozen clumps will be broken down prior to replacement.

E. Reclamation Strategy

Revegetation strategy: (Check appropriate boxes)

Natural recovery Native seed Non-native seed Other _____

Interim: Natural recovery approach to revegetation, supplemented with tree and shrub planting if needed will be adopted. Grasses and forbes species are expected to establish naturally from soil seed banks and/or invasion from adjacent natural areas. Trees and shrubs are expected to regenerate naturally.

Production/Operation: Cenovus will progressively reclaim areas that are not being used by decontaminating, deep ripping, recontouring, replacing salvaged sub-soil and top soil, and seeding with an approved native seed mix will be conducted as required.

Crossing Number	Crossing Method	Culvert/Bridge Size Diameter (mm) x length (m)	Water-course Size Class (1-4)	1.SD	Sec	Twp	Rge	Mer	Specify if restricted activity period (dd/mm/yyyy)	Class of Waterbody from COP (A,B,C,D)
	Initial bridge	5 X 25	1	13	32	76	3	4	From 15/04/2012	C
	Final bridge								To 15/07/2012	
	Initial	X							From	
	Final								To	
	Initial	X							From	
	Final								To	

3. Temporary watercourse crossings will be removed by 31/03/2012
 dd/mm/yyyy

During restricted activity periods, temporary crossings must not be installed or existing ones removed unless clean flow and fish passage can be maintained. Additional approvals will be required from the federal Department of Fisheries and Oceans if in-stream work is proposed during the restricted activity period. Crossings installed during winter work should be removed prior to spring break up.

Note: All licences, authorizations and approvals issued by Alberta Sustainable Resource Development under the *Public Lands Act* and *Forests Act*, and by *Alberta Environment under the Environmental Protection and Enhancement Act* and *Water Act*, should not be taken to mean the proponent (applicant) has complied with federal legislation. Proponents should contact Fisheries and Oceans Canada in the location nearest to them (Peace River, Edmonton, Calgary, Lethbridge) in relation to the application of federal laws, including but not limited to the *Navigable Water Protection Act* and the *Fisheries Act* (Canada).

C. Construction Strategy

1. **Vegetation removal:** Explain Cenovus will salvage the merchantable timber and pile and burn non-merchantable timber. Cenovus is not to use the Grubbing to remove vegetation to avoid potential erosion.

Brush disposal: Explain Brush will be piled and burned. Brush burning will be completed by March 31, 2012, burning will occur either on mineral soil or by utilizing a burning sloop.

2. **Pipeline installation (predominant method for pipeline ROW, check appropriate boxes):**

- Trench (top of trench width 137.16 cm)
- Plough
- Above-ground

3. **Direction of construction:** Direction of construction will be determined by pipeline contractor.

4. **Topsoil handling (check appropriate boxes):**

- Minimal surface disturbance (no stripping)
- Stripping
- Single lift
- Two lift
- Other

Explain: Topsoil/peat strippings over the 1.5 meter trench area will be windrowed separately from ditch spoil. The ditch spoil will be replaced in the trench, and then the topsoil/peat rolled back. Topsoil will be temporarily stored within the disposition boundary. Topsoil/peat less than 40cm will be salvaged. Frozen clumps will be broken down prior to replacement.

5. Topsoil stripping width (in metres), (check appropriate boxes):

- Trench and working side access _____ m
- Trench and spoil _____ m
- Entire ROW
- Trench only

If more than one box has been checked, explain: Topsoil/peat strippings over the 1.5 meter trench area will be windrowed separately from ditch spoil. The ditch spoil will be replaced in the trench, and then the topsoil/peat rolled back. Topsoil will be temporarily stored within the disposition boundary. Topsoil/peat less than 40cm will be salvaged. Frozen clumps will be broken down prior to replacement.

Additional details: _____

Method of Pipeline Watercourse Crossing

Provide legal land description and crossing method:

LSD	Sec	Twp	Rge	W	Open Cut	Directional Drill	Boring	Isolation	Overhead
13	32	76	3	4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: The location and method of pipeline crossing method must correspond with the Code of Practice notification and the locations listed in Section C.

All licences, authorizations and approvals issued by Alberta Sustainable Resource Development under the *Public Lands Act* and *Forests Act*, and by Alberta Environment under the *Environmental Protection and Enhancement Act* and *Water Act*, should not be taken to mean the proponent (applicant) has complied with federal legislation. Proponents should contact Fisheries and Oceans Canada in the location nearest to them (Peace River, Edmonton, Calgary, Lethbridge) in relation to the application of federal laws, including but not limited to the *Navigable Water Protection Act* and the *Fisheries Act* (Canada).

D. Reclamation Strategy

1. Revegetation strategy: (check appropriate boxes)

- Natural recovery
- Native seed
- Non-native seed

Other A natural recovery approach will be used for revegetation as grasses and Forbes are expected to establish naturally from seed soil banks and/or invasion from adjacent natural areas. Approved native seed will be used to supplement where the natural process is not establishing sufficient vegetation.
Trees and shrubs are expected to regenerate naturally. _____

When will re-contouring of grade occur: After one complete year of settling a site assessment will be conducted to determine what recontouring work is required. Work will be conducted as soon as ground conditions are favourable after the site assessment. _____

2. Topsoil replaced on active location (check appropriate box):

Concurrently Allow trench time to settle

3. Rollback of woody debris:

Yes No

If 'Yes', explain purpose: Roll back of any unburned woody debris will take place. The woody debris will be spread back and crushed on the ROW. _____

Frankow, Roberta

From: Alessio, Renee R
Sent: Thursday, June 23, 2011 9:48 AM
To: Frankow, Roberta
Subject: FW: Christina Lake Disposal Corridor - MSL 083668 and existing LOC 890178
Attachments: CENOVUS_Base_map.pdf

Let me know if you need any files etc.

Renee Alessio P. Ag
Environmental Advisor
Cenovus Energy
421-7 Ave SW
PO Box 766
Calgary, Alberta
T2P 0M5
Office: 403-766-8394
Cell: 403-880-1267
Fax: 403-107-7354
renee.alessio@cenovus.com

From: Karen Scott [mailto:Karen.Scott@gov.ab.ca]
Sent: Thursday, June 23, 2011 9:37 AM
To: Alessio, Renee R.
Subject: RE: Christina Lake Disposal Corridor - MSL 083668 and existing LOC 890178

Renee
I am not sure why Cenovus has a road under MSL 083668 it will be double coverage with this LOC 890178 once amended (See attached)

All you need is Forest Officer approval in this case to amend the road and leave a portion in place for the trapper.

OK with me

Thanks
Karen

Karen Scott
Reclamation Technologist
Approvals and Assurance
Land Management Branch
Lands Division, SRD
(800) 415-4657
Karen.Scott@gov.ab.ca

From: Alessio, Renee R. [mailto:Renee.Alessio@cenovus.com]
Sent: Wednesday, June 22, 2011 8:19 AM
To: Karen Scott
Subject: RE: Christina Lake Disposal Corridor - MSL 083668 and existing LOC 890178

Hi Karen
I left you a voice message this morning with the map on the LOC amendment request I sent you earlier this month. Let me know if there is anything I can do to help out with getting this processed.
Regards
Renee

2011-06-23

Renee Alessio P.Ag
Environmental Advisor
Cenovus Energy
421-7 Ave SW
PO Box 766
Calgary, Alberta
T2P 0M5
Office: 403-766-8394
Cell: 403-880-1267
Fax: 403-407-7354
renee.alessio@cenovus.com

From: Alessio, Renee R.
Sent: Thursday, June 02, 2011 12:52 PM
To: Karen Scott
Subject: FW: Christina Lake Disposal Corridor - MSL 083668 and existing LOC 890178

Hi Karen,

Please find the attached survey plan for LOC 890178.

In sections 31 and 32 (2nd-3rd W1M) and sections 5 and 6 (7-8th W1M) we'd like to amend the LOC as outlined in the survey plan (pages 1 and 3). The existing LOC crosses near a trapper's trailer (page 3). Future development in the area will result in additional traffic on this LOC and based on discussions with the trapper and the local Council, it has been agreed that the LOC should be amended as outlined in the survey plan to avoid any issues that may arise between the trapper and Cenovus as a result of the additional vehicles using

It is our understanding that the trapper continues to use the original LOC (the portion of the LOC outlined in blue on page 1 and 3 of the attached survey plan) and would like that portion of the LOC to remain in place to ensure he has continued access to his trailer. Cenovus agrees to this until such time that SRD requires the LOC to be reclaimed.

Please advise if you have any concerns with this.

Re: 890178

Renee Alessio P.Ag
Environmental Advisor
Cenovus Energy
421-7 Ave SW
PO Box 766
Calgary, Alberta
T2P 0M5
Office: 403-766-8394
Cell: 403-880-1267
Fax: 403-407-7354
renee.alessio@cenovus.com

From: Frankow, Roberta
Sent: Monday, May 30, 2011 4:05 PM
To: Alessio, Renee R.
Subject: FW: Christina Lake Disposal Corridor - MSL 083668 and existing LOC 890178

To advise your discussion with Karen Scott with respect to amending the existing LOC, making lands and retaining this small portion. We will need her written OK for this to incorporate into our amendment submission. Thank you.

Roberta Frankow
Office: 403.766.4035 / Cell: 403.818.2450
Cenovus offices are closed the 1st and 3rd Friday of each month.

From: Tyler Caddey [mailto:Tyler.Caddey@gov.ab.ca]
Sent: Monday, May 30, 2011 3:58 PM

2011-06-23

To: Frankow, Roberta
Subject: RE: Christina Lake Disposal Corridor - MSL 083668 and existing LOC 890178

I have no concerns with that portion of the LOC remaining in place

Tyler Caddey, RPFT
Forest Officer
Lake Louise AB
Office 780 873-5254
Fax 780 823-4584
Cell 780 404-3841
Email Tyler.Caddey@gov.ab.ca

From: Frankow, Roberta [mailto:Roberta.Frankow@cenovus.com]
Sent: Monday, May 30, 2011 3:56 PM
To: Tyler Caddey
Subject: RE: Christina Lake Disposal Corridor - MSL 083668 and existing LOC 890178

Correct

Roberta Frankow
Office: 403.788.4035 / Cell: 403.519.2450
Cenovus offices are closed the 1st and 3rd Friday of each month.

From: Tyler Caddey [mailto:Tyler.Caddey@gov.ab.ca]
Sent: Monday, May 30, 2011 3:55 PM
To: Frankow, Roberta
Subject: RE: Christina Lake Disposal Corridor - MSL 083668 and existing LOC 890178

Just to clarify, that portion of the LOC isn't being reclaimed because the trapper is using it?
Tyler

From: Frankow, Roberta [mailto:Roberta.Frankow@cenovus.com]
Sent: Monday, May 30, 2011 3:09 PM
To: Tyler Caddey
Subject: Christina Lake Disposal Corridor - MSL 083668 and existing LOC 890178

We finally have the revised plans in for this project - the Amendment for the Corridor MSL for the Pad, road and pipe was referred to you late last year, but I needed to file an As-Built of the LOC in order to amend, deleting lands.

Just need to confirm in writing that SRD and Cenovus are agreed that the portion of the road that runs south past the Trappers' cabin and holiday trailer will be accepted in the amendment to the LOC until such time as SRD requires us to reclaim in. I will need your approval on this, so that Karen Scott's comments can be included in the submission

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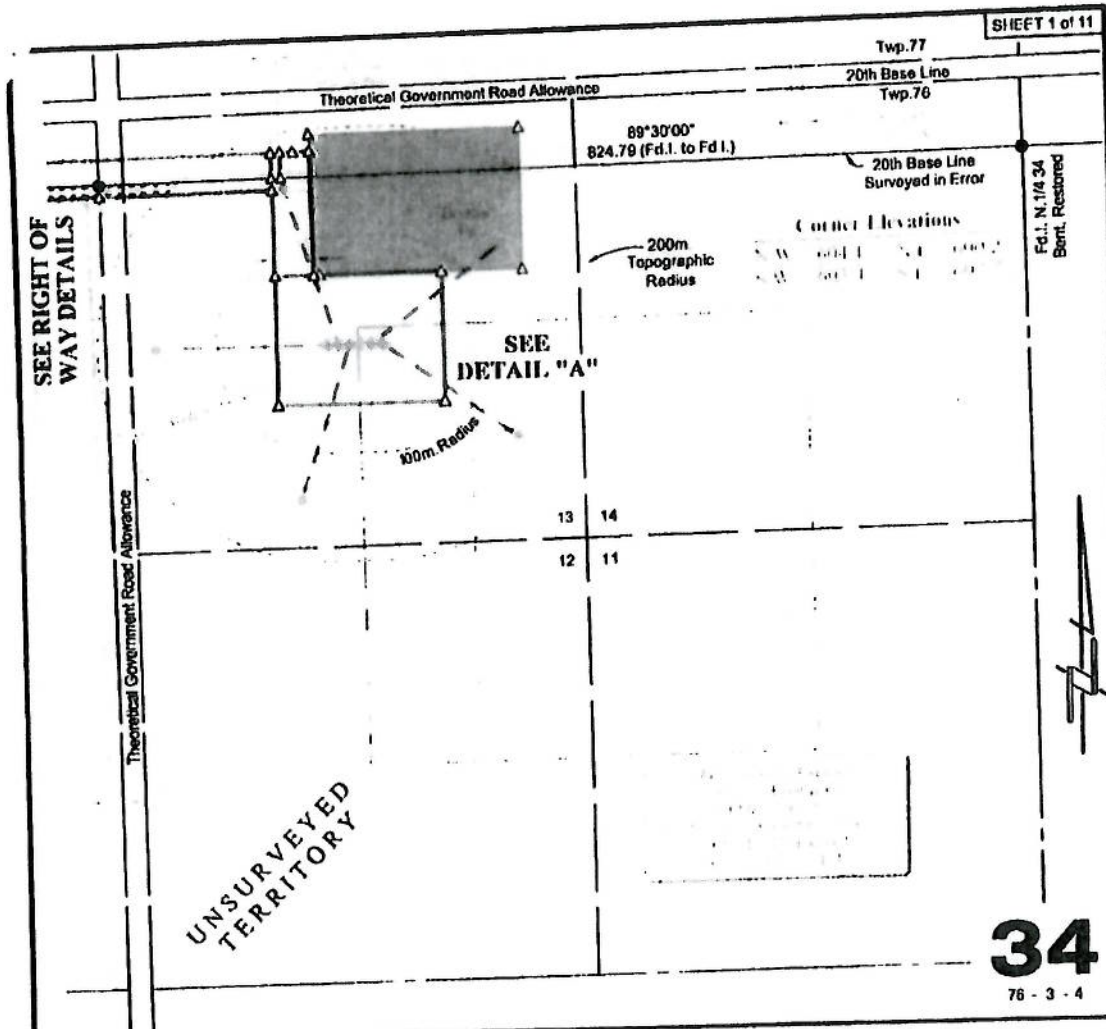
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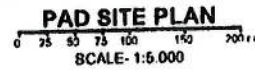
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2011-06-23



Plan Showing Survey of
PAD SITE 13-34-76-3
 and Right of Way in
L.S. 13 Sec.34 Twp.76 Rge.3 W.4 M.
 Regional Municipality of Wood Buffalo



- I, Ed Oh, of the City of Edmonton, Alberta Land Surveyor, make oath and say:
1. that the survey represented by this plan was made under my personal supervision,
 2. that the survey was made in accordance with good surveying practices and in accordance with the provisions of the Surveys Act, and
 3. that the survey was performed between the dates of August 9th, 2009, and April 20th, 2011, and that this plan is true and correct and is prepared in accordance with the provisions of the Public Lands Act.

Alberta Land Surveyor

Sworn before me at the City of Edmonton
 in the Province of Alberta
 this 3rd day of May, 2011

Diedrich Wil - Exp. May 10, 2012
 A Commissioner for Oaths in and
 for the Province of Alberta

OPERATOR: CENOVUS FCCI LTD.



AREAS:

- Pad Site
- Right-of-Way (76-3-W4)
- Right-of-Way (76-4-W4)
- Right-of-Way (77-3-W4)

Total
 Bearings are NAD 83 (Original) UTM Grid Bearings referred to the
 Central Meridian 111° W and were derived by G.N.S.S.
 Combined Scale factor used = 0.999528

Datum: ASCM 414/55 Elev - 601.144

To convert UTM Bearings to Bearings referred to the
 Central Meridian of the Twp. add 0°30'01"

11	Revised Right-of-Way Width	May 2, 2011	JR - ES - GF
10	Revised BH Coordinates	Nov. 30, 2010	FS - GF
9	Revised Area to Rev 7 & Added Directional Data	Nov. 26, 2010	JR - JG - GF
8	Revised Right-of-Way Width	Nov. 18, 2010	JR - JG - GF
7	Revised Area to Rev 6	May 12, 2010	JR - JG - GF

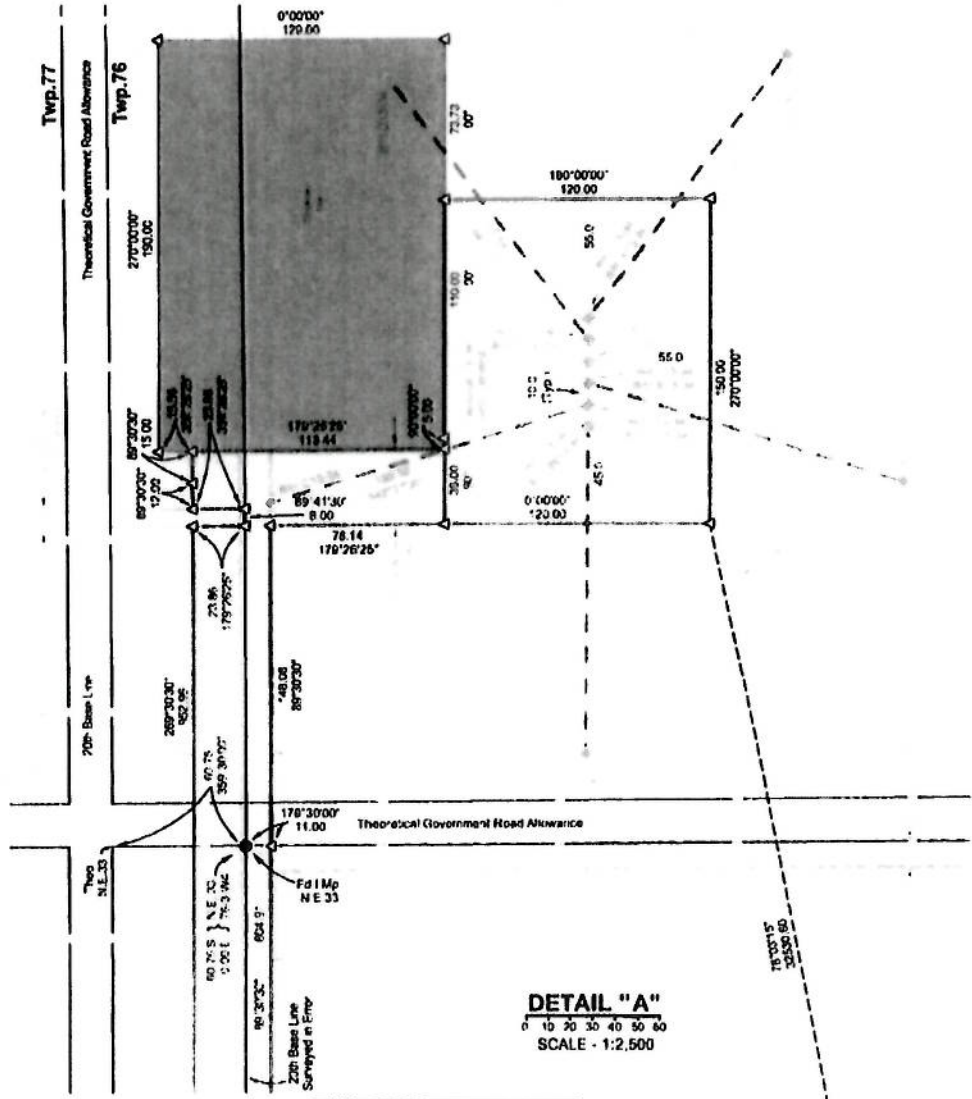
REV.	REVISION	DATE	INITIALS
△	File: 111372W-R11 Client File No.	Job No: 111372-E AFE No.	



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DETAIL "A"
SCALE - 1:2,500

ATS COMPARISON

In this area there is no difference
in coordinates between A.T.S.
V.2.6 and March 2005

Stn 2022
Monument Plan 042 6638
6158658 78 N } UTM, Zone 12
506492 50 E } NAD 83 (Original)
(Derived from ASCM 414755)

LEGEND:

- Geo-Reference Point shown thus
- Statutory Iron Posts found shown thus:
- 30cm Iron Spikes found shown thus:
- 30cm Iron Spikes placed shown thus
- Well Center shown thus:
- Bottom Hole shown thus:
- Portions referred to outlined thus:
- Distances are in metres.



THE PROPOSED WELL:

- Is at least 1.5 km from any Urban Center
- Is at least 3.0 km from a Subsurface Coal Mine
- Is at least 100m from any Surface Improvements
- Is at least 40 m from any Surveyed Road
- Is at least 5.0 km from a Lighted Aerodrome
- Is at least 1.6 km from an Unlighted Aerodrome
- Is exempt from the Alberta Community Development Approval
- Meets the Land Reclamation Guidelines for drainage & elevation

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
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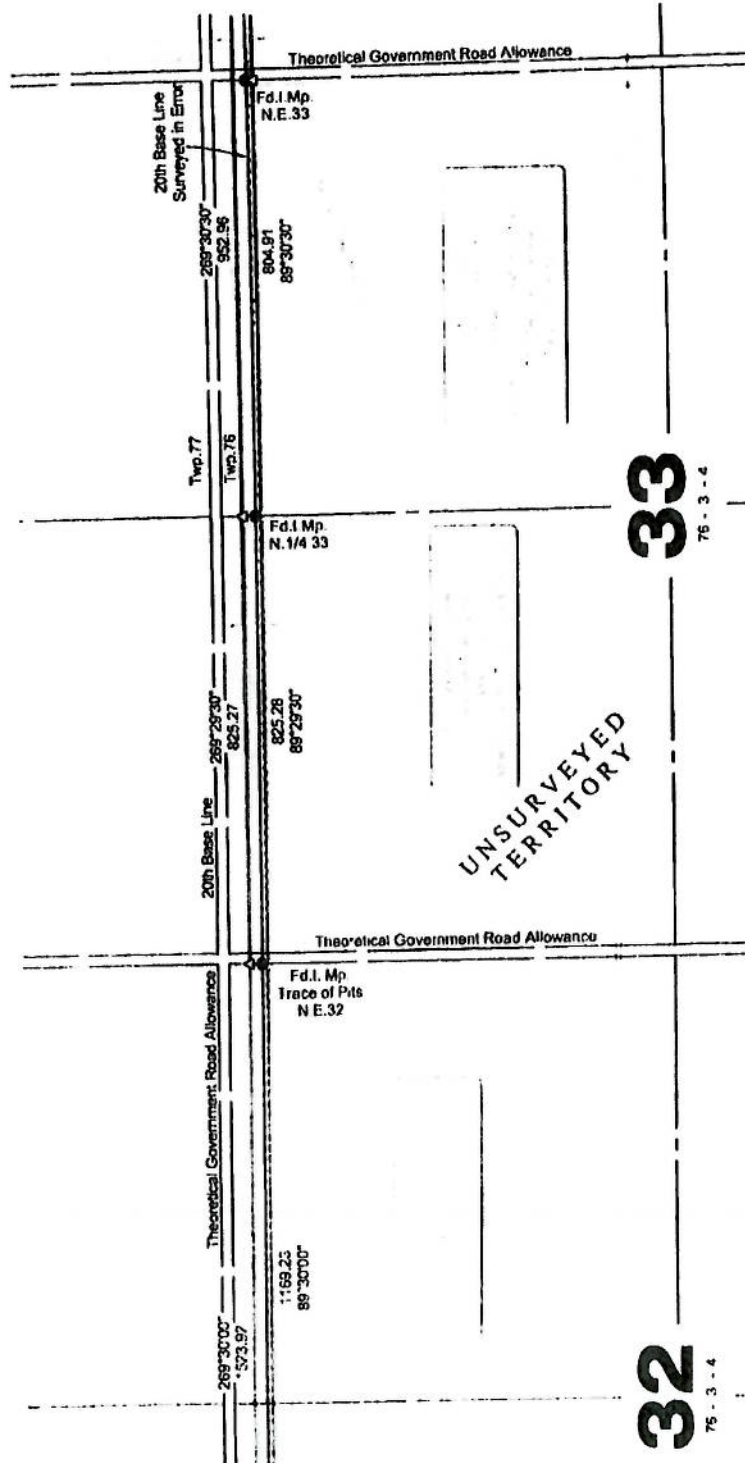
NOTES:

- 1 The closest urban center is the Hamlet of Conklin 43km West of the well center.
- 2 To our best knowledge the closest known surface development (Cabin) is 4km West of the well center
- 3 No seismic evidence was found at the time of survey.
- 4 There are NO Water Bodies within 100m of the well center
- 5 FRCB information shown may not represent the current status due to limited accessibility of their data

Confirmation Number 2011009358	
REV	
File 1113/2W-H*1	Job No. 111372-E
Client File No	AFF No:

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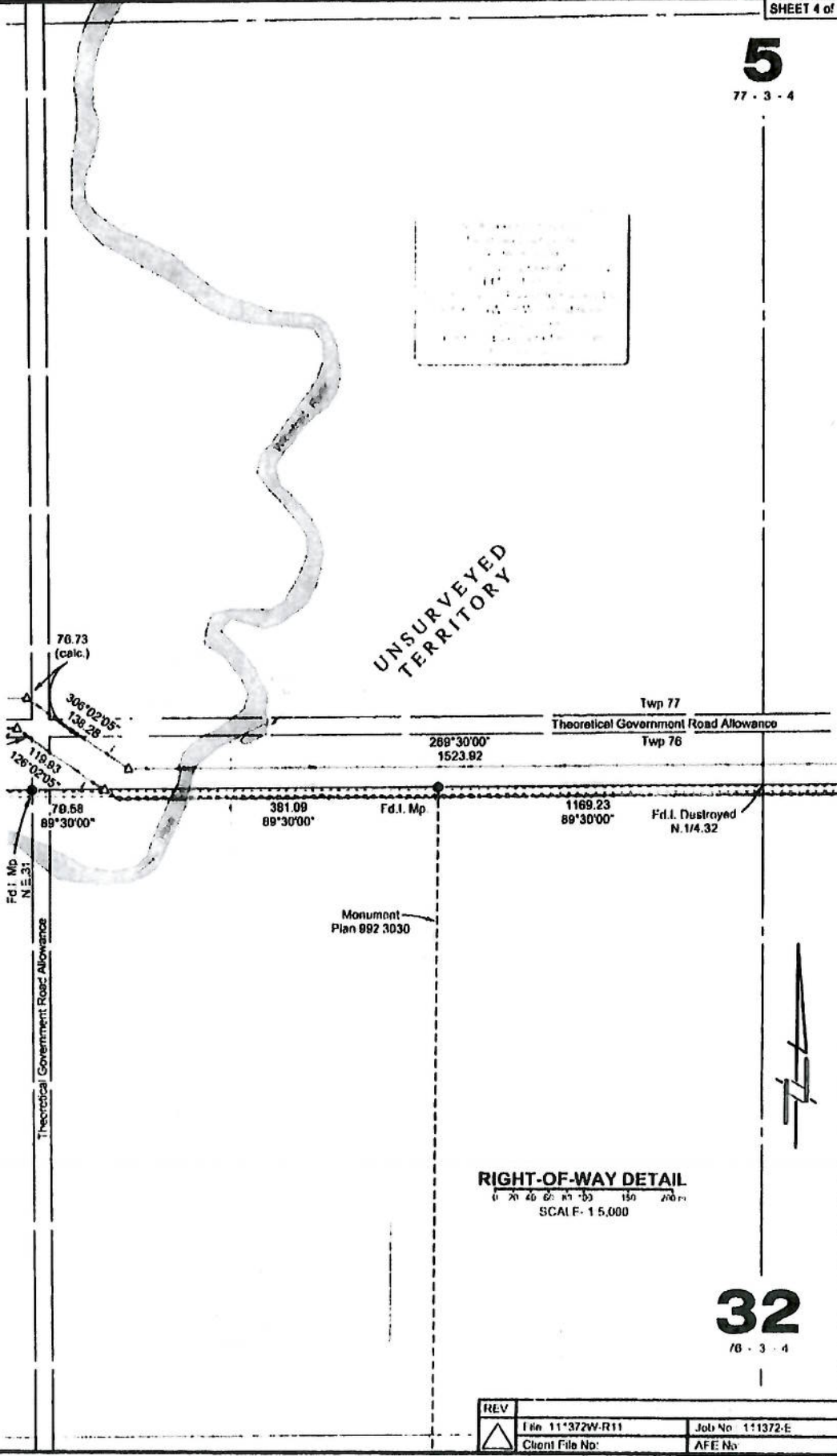


RIGHT-OF-WAY DETAIL
 3" = 300' 300' = 300' 400' = 400'
 SCALE - 1 TO 000

REV	Fig. 111372W-R11	Job No. 111372-F
△	Client File No:	AFF No:

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UNSURVEYED
TERRITORY



RIGHT-OF-WAY DETAIL
0 20 40 60 80 100 150 200 m
SCALE - 1:5,000

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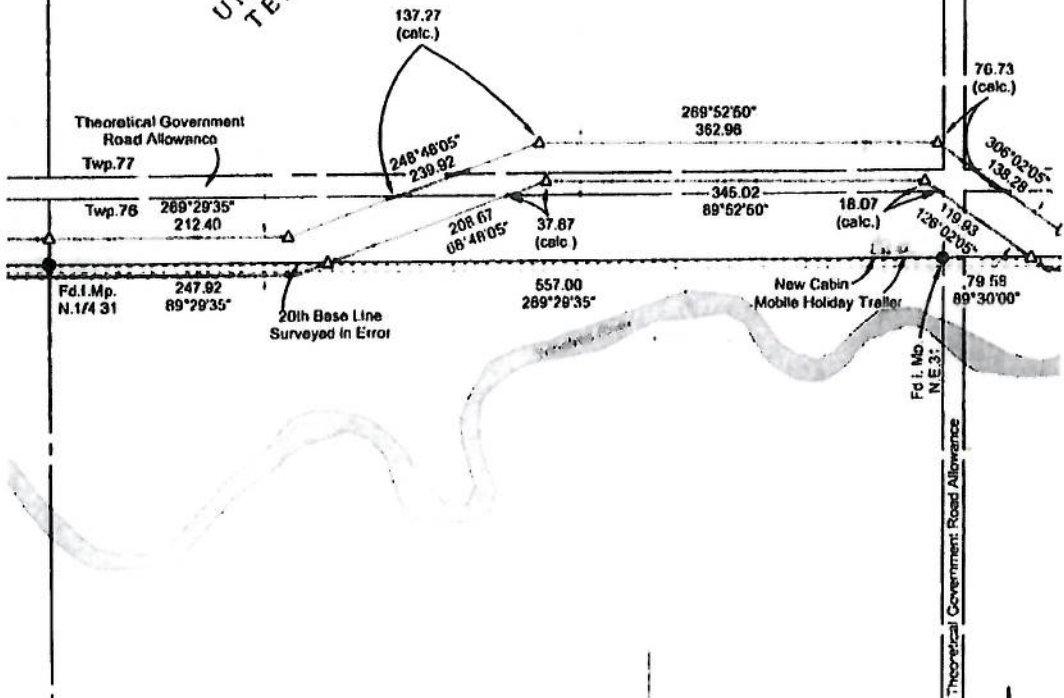
REV	File 11*372W-R11	Job No 111372-E
	Client File No:	AFE No:

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SHEET 5 of 11

UNSURVEYED
TERRITORY



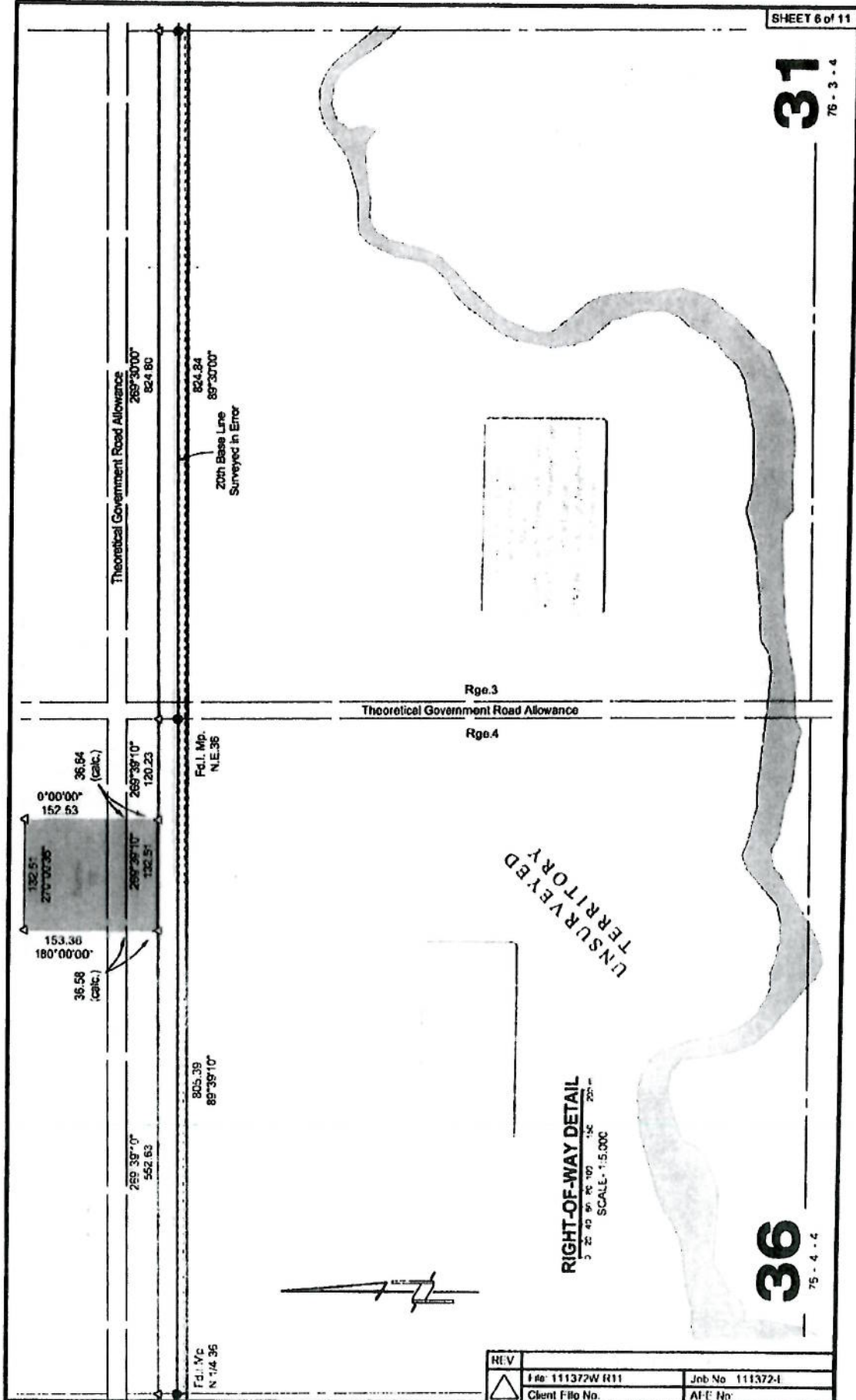
RIGHT-OF-WAY DETAIL

0 25 40 60 80 100 125 150 200m
SCALE - 1:5,000

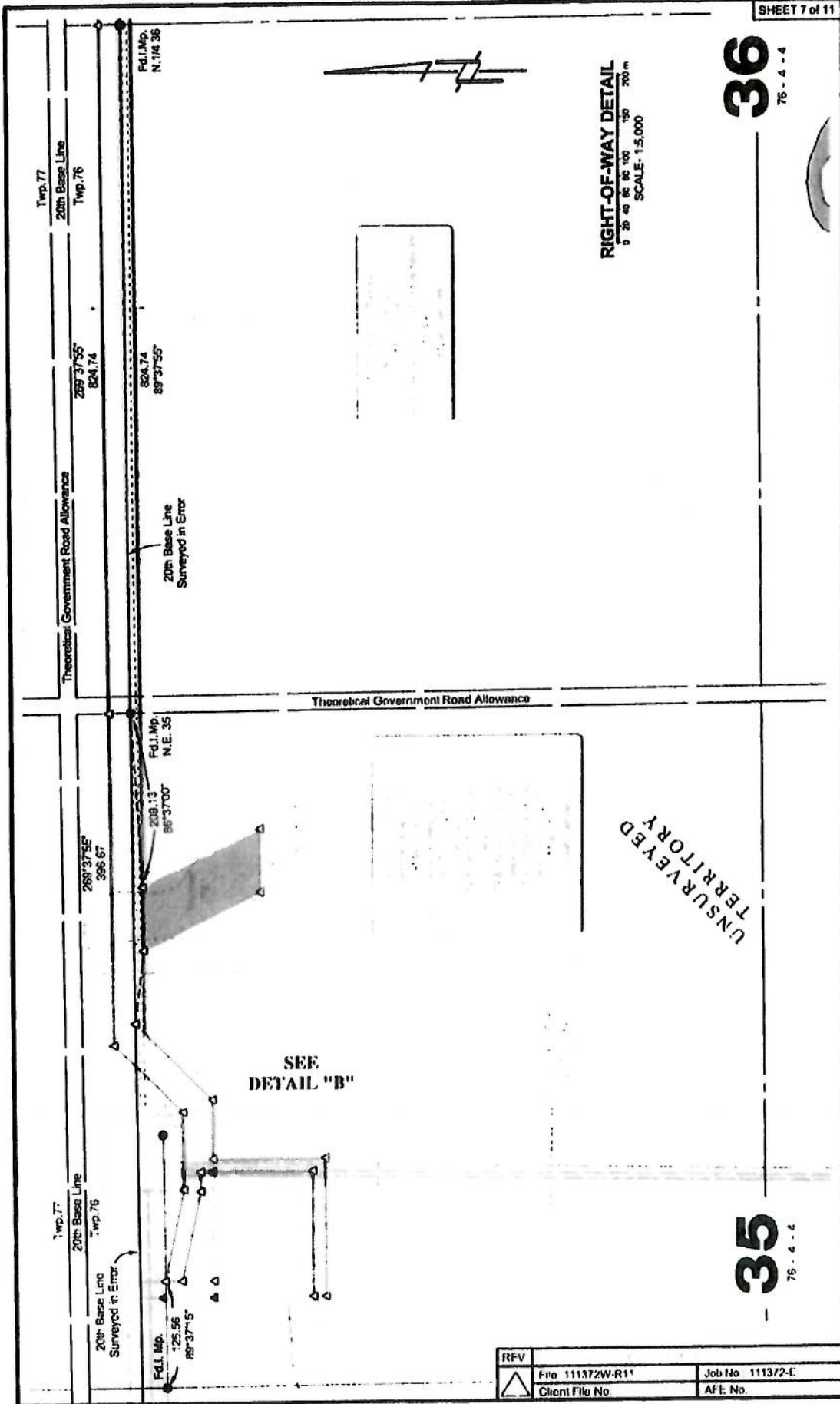
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REV	File No	Job No
△	111372W-R1*	111372-1
	Client File No	AFC. No.



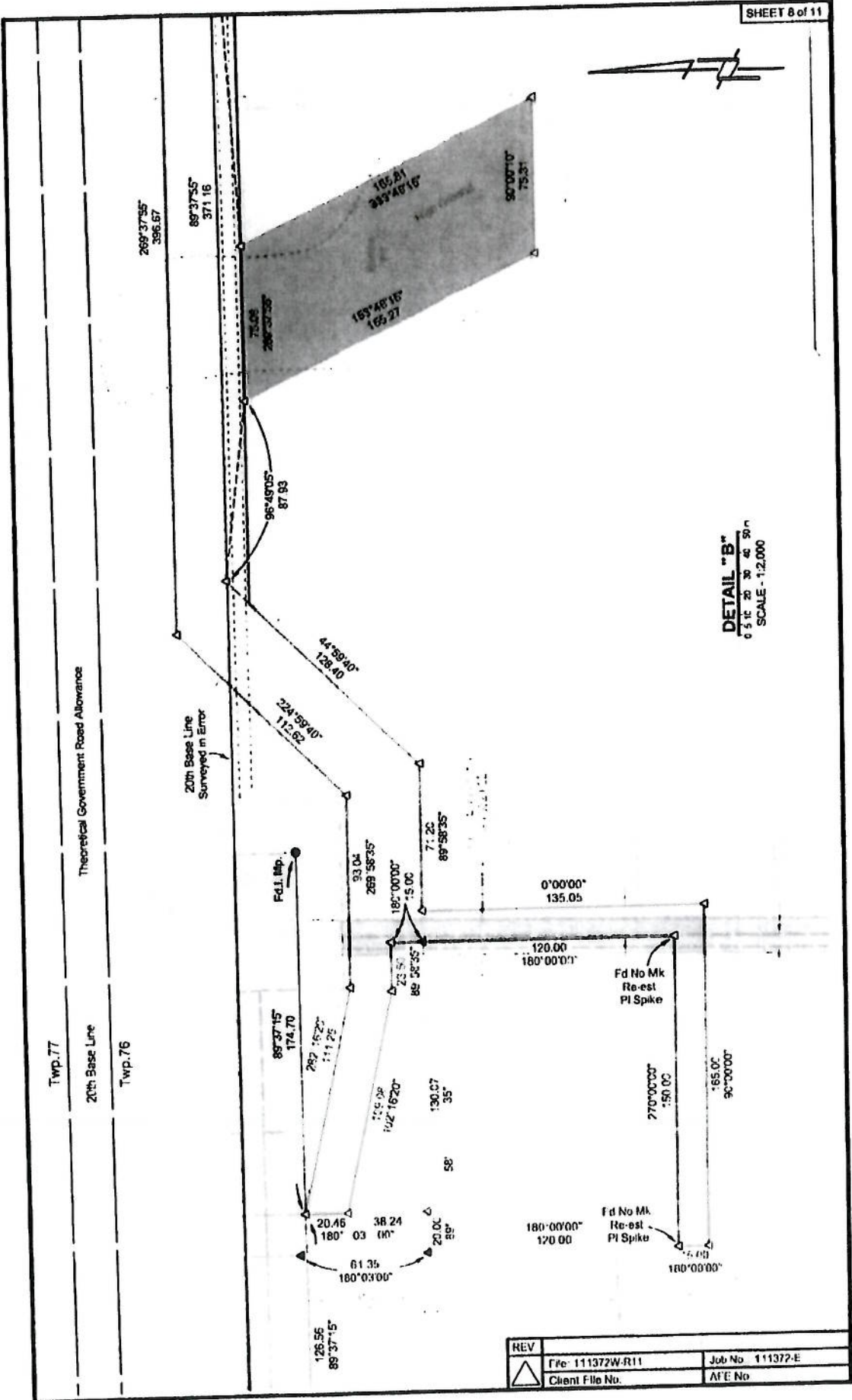
REV	File No. 111372W R11	Job No. 111372-1
	Client File No.	A/E No.



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RFV	File 111372W-R11	Job No 111372-E
	Client File No.	A/E. No.



DETAIL "B"
 0 5 10 20 30 40 50 m
 SCALE - 1:2,000

REV		
△	File: 111372W-R11	Job No. 111372-E
	Client File No.	At/E No

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APPROXIMATE AREAS Twp.77 - Rge.4 - W4M	
Before Pad:	
Existing Cut	1,522 ha (3,74 ec.)
New Cut	1,542 ha (3,81 ec.)

APPROXIMATE AREAS Twp.77 - Rge.3 - W4M	
Right of Way:	
New Cut	1,711 ha (4,23 ec.)

APPROXIMATE AREAS Twp.76 - Rge.4 - W4M	
Right of Way:	
Existing Cut	2,671 ha (6,35 ec.)
New Cut	5,882 ha (14,49 ec.)
Before Pad:	
Existing Cut	0,19 ha (0,24 ec.)
New Cut	1,433 ha (3,52 ec.)
Total	1,571 ha (3,72 ec.)

APPROXIMATE AREAS Twp.76 - Rge.3 - W4M	
Pad Site:	
Existing Cut	1,800 ha (4,45 ec.)
Right of Way:	
Existing Cut	5,026 ha (13,90 ec.)
New Cut	10,822 ha (26,74 ec.)

Before Pad:	
Existing Cut	6,826 ha (16,85 ec.)
New Cut	1,711 ha (4,23 ec.)
Total	2,157 ha (5,28 ec.)

RIGHT OF WAY PER WIDTH Twp.76 - Rge.4 - W4M	
Width of Right of Way	Length
15m Right of Way =	0.30 km
20m Right of Way =	0.13 km
35m Right of Way =	2.21 km

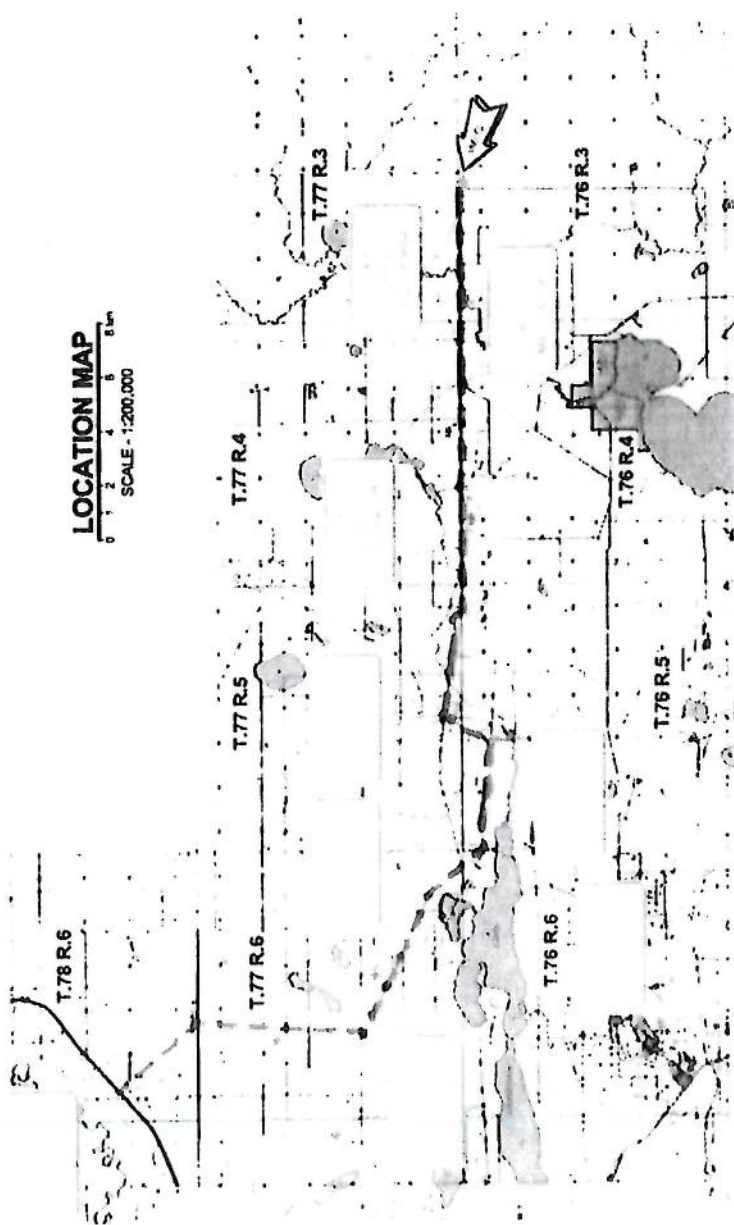
RIGHT OF WAY PER WIDTH Twp.77 - Rge.3 - W4M	
Width of Right of Way	Length
35m Right of Way =	0.40 km

RIGHT OF WAY PER WIDTH Twp.76 - Rge.3 - W4M	
Width of Right of Way	Length
35m Right of Way =	4.75 km

REV	File	Job No.
△	111372W-R11	111372-E
	Client File No.	AFF No.

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LOCATION MAP
SCALE: 1:200,000



REV		
△	File: 111372W R11	Job No. 111372-I
	Chart File No	AFE No

WELL NAME	LOCAL SURFACE CO-ORD'S.(CALC.)		SURFACE LS-SEC	GROUND ELEVATION	LOCAL BOTTOM HOLE CO-ORD'S.(CALC.)		QUARTER SECTION	BOTTOM HOLE DEVIATION FROM SURFACE LOCATION					
	NORTH / SOUTH	EAST / WEST			NORTH / SOUTH	EAST / WEST		UTM GRID BRG	AZIMUTH	UTM	DISTANCE		

WELL NAME	SURFACE COORDINATES		BOTTOM HOLE COORDINATES	
	NAD 27	UTM	NAD 83	UTM

REV	File 111372W-R11	Job No 111372-E
	Client File No	AFE No