



Ministry of Energy, Mines and  
Petroleum Resources

Sand and Gravel/Quarry Operation  
Notice of Work and  
Reclamation Program

The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information requested on this form is collected and used for the purpose of administering the *Mines Act* of British Columbia and the *Health, Safety and Reclamation Code for Mines in British Columbia*. The *Mines Act* authorizes the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form can be directed to the Office of the Information and Privacy Commissioner—phone: (250) 387-5629; fax: (250) 387-1696; mailing address: PO Box 9038 Stn. Prov. Govt. Victoria, British Columbia, V8W 9A4.

RECEIVED

Application is for: ☐ Sand and Gravel Mine ☒ Rock Quarry  
This application is for (check one):  
☐ Development ☒ Amendment to existing permit Permit # Q-8-24  
Application is being made by:  
☒ Owner (Private property)  
☐ Operator/Agent (Person or company making application on Crown land or on private property not owned by applicant)  
Name ANDREW HIGGINSON E-mail Address: ahigginson@threepointproperties.com  
Company (if applicable) BAMBERTON PROPERTIES LLP  
Address 1451 TROWSE DR  
City MILL BAY Bus. Phone (250) 743-3737  
Province BC Postal Code V0R 2P4 Fax ( )

LOCATION INFORMATION - Maps are mandatory under Schedule A

Name of Mine (What will the operation be called when in production?): BAMBERTON CONSTRUCTION MATERIALS  
Legal Description of Property: DL 118, DL 73, DL 135, DL 127; MALAHAT DISTRICT

Street Address of Property, if applicable: N/A

Access route from nearest town to property: FROM MILL BAY CENTER, TRAVEL 10KM SOUTH ON MILL BAY RD, TURN LEFT ONTO TROWSE DR.

B.C. Geographic System Map Sheet Number(s) [i.e. TRIM 093L.006]

Northing:  Easting:  UTM Zone:   
or NTS Map Sheet Number(s) [i.e. NTS 093L/14E]: NTS 092B/12, SHAWNIGAN LAKE, ED. 5, 1993  
Latitude: 48° 34' 59" Longitude: 123° 31' 21"

OWNERSHIP (Complete a, b or c if the land is not privately held by applicant)

a) Proposed mine is on private land:

Name of property owner BAMBERTON PROPERTIES LLP  
Address 1451 TROWSE DR  
City MILL BAY Bus. Phone (250) 743-3737  
Province BC Postal Code V0R 2P4 Fax ( )

Signature of owner agreeing to the mining operation proposed in this application (or attach letter of authorization signed by owner):

Name: W. Rost Date: 16 AUGUST 2010

b) Proposed mine is on Crown land:

Assets and Lands Corporation (BCAL) file reference number:   
License of Occupation/Lease number:  Expiry date of License/Lease (y/m/d):

c) Proposed mine is a mineral quarry (as defined under the Mineral Tenure Act):

What mineral is proposed to be mined?   
Mineral Claim/Lease Tenure Number(s):

MANAGEMENT

Correspondence regarding this application should be sent to: ☒ Owner or ☐ Operator/Agent

The mine manager (*Mines Act* Sections 21 and 22) responsible for management and operation of the mine will be:

Name: ANDREW HIGGINSON Bus. Phone: (250) 815-5115



**LAND USE**

1) **Cultural Heritage Resources** (A cultural heritage resource is defined as "an object, a site or the location of a traditional societal practice that is of historical, cultural or archaeological significance to British Columbia, a community or an aboriginal people". B.C. law requires the conservation of these resources. It is the responsibility of the applicant to identify these resources.

Are you aware of any cultural heritage resources present on the property? → SEE SCHEDULE A2

- ☒ Yes - please attach a plan for the conservation of cultural heritage resources on the property  
☐ No - If cultural heritage resources are discovered while mining, you are required to report them to the Mining Division.

2) **Soil Conservation**

Average depth of overburden (material, including topsoil, overlying sand, gravel and/or rock): \_\_\_\_\_ cm, or 1.5 m

Average depth of topsoil (Surface to maximum rooting depth of plants, plus 15 cm.): \_\_\_\_\_ cm, or 0.5 m

Measures to stabilize soil/overburden stockpiles and control noxious weeds: PROPER SIDESLOPE MANAGEMENT  
HYDROSEEDING AS REQUIRED

Topsoil must be conserved for reclamation of the mine site.  
Removal of topsoil from the site requires written approval of the Inspector

3) **End Land Use**

Is the site within the Agricultural Land Reserve?

- ☒ No ☐ Yes - authorization for soil removal from the Land Reserve Commission and Regional District must be obtained. Provide permit application number if available: \_\_\_\_\_

Is the site within the Forest Land Reserve?

- ☒ No ☐ Yes - authorization from the Land Reserve Commission must be obtained

Is the site within a Tree Farm License?

- ☒ No ☐ Yes - state the TFL number: \_\_\_\_\_

Name of TFL holder: \_\_\_\_\_

Does the local government have a Soil Removal Bylaw?

- ☒ No ☐ Yes - please be aware that a Soil Removal Permit may be required by the local government

Official Community Plan designation for the site is: FUTURE DEVELOPMENT

Current land use zoning for the site is: F1 / I2

Proposed end land use is: COMPREHENSIVE DEVELOPMENT ZONE

4) **Reclamation of Site** (If space provided below is insufficient, please attach separate sheet describing proposed reclamation)

Reclamation measures and schedule proposed to achieve end land use objectives as per part 10.7.4 and 10.7.5 of the Health Safety and Reclamation Code for Mines in British Columbia (hereafter referred to as the Code):

RECLAMATION WILL BE IN ACCORDANCE WITH THE END LAND USE,  
TOPSOIL WILL BE RETAINED FOR USE ON SITE

If backfilling of pits or pit slopes is proposed in the final configuration for reclamation, provide details of materials to be used and placement procedure: N/A





**MINE DEVELOPMENT PLAN** (Maps are mandatory - please refer to Schedule A)

Unless otherwise required by the Inspector, complete the following mine development plan and prepare development maps and cross sections based on a period of 5 years or less. Mines operating for longer than 5 years, may be required to file updated Notices of Work every 5 years over the life of the mine at the discretion of the District Inspector.

Proposed start date (y/m/d): 2010/10/01

Proposed finish date (y/m/d): 2015/09/30

The mining operation will generally be (check one)

☒ Continuous (operates throughout the year)

☐ Seasonal, usually operates from \_\_\_\_\_ to \_\_\_\_\_

☐ Intermittent (occasionally operates with extended periods of inactivity)

Estimate total mineable reserves over the life of the mine: 1,000,000 tonnes, or \_\_\_\_\_ m<sup>3</sup>

Estimated annual extraction from site: 225,000 tonnes/yr, or \_\_\_\_\_ m<sup>3</sup>/yr

Application must be made to the Environmental Assessment Office if estimated extraction for sand/gravel production is 500,000 tonnes/yr. or 1,000,000 tonnes over 4 years; or if estimated extraction is 250,000 tonnes/yr. for quarried product. Mineral quarries producing more than 1000 tonnes per year per claim require a mining lease.

Description of Work (Check appropriate boxes):

☐ Excavation of Pit Run

☐ Washing - please complete Schedule B

☒ Crushing

☒ Blasting - please complete Schedule C

☐ Mechanical Screening

☐ Timber Clearing \* - estimate volume of timber: \_\_\_\_\_ m<sup>3</sup>

\* Timber Clearing on Crown Land requires a Free Use Permit or License to Cut from the Ministry of Forests

Provide a brief description of operation, including proposed work schedule (i.e. hours, days of usual operation): \_\_\_\_\_

QUARRY WILL BE IN OPERATION FOR THE PURPOSE OF GENERATING  
AGGREGATES FOR USE DURING SITE DEVELOPMENT. PROPOSED  
HOURS OF WORK WILL BE 7 DAYS PER WEEK

**Equipment List:** (Please attach separate list if space provided below is insufficient)

Type of Machine	Make/Model	Size/Capacity	# on Site
FRONT END LOADER	CAT 980	7.0 yd <sup>3</sup>	2
EXCAVATOR	CAT 345	45t	2
ROCK TRUCK	CAT D250	25t	2

**Surface Disturbance** - Information provided must be documented in development maps submitted under Schedule A

(Note that 10,000 m<sup>2</sup> = 1 hectare)

Existing Disturbance (Work areas, unreclaimed areas, access roads, etc.)

\_\_\_\_\_ m<sup>2</sup>, or 3.0 hectares

Proposed Mining Disturbance (New work areas, settling ponds, access roads, buildings, etc. to be developed within the time frame of this Notice of Work)

\_\_\_\_\_ m<sup>2</sup>, or 6.0 hectares

Total Disturbed Area (Existing + Proposed Disturbance)

\_\_\_\_\_ m<sup>2</sup>, or 9.0 hectares

Will any portion of this disturbance be reclaimed within the time frame of this Notice of Work?

☐ No

☒ Yes - state size of area to be reclaimed: \_\_\_\_\_ m<sup>2</sup>, or 3.0 hectares

Estimated Cost of Reclamation:

Applicant \$ 20,000

Mining Division \$ \_\_\_\_\_



Are settling ponds or other structures proposed to control sedimentation in surface run off?

☒ No

☐ Yes - please complete Schedule B

What is the average depth to the high groundwater table at the proposed excavation? \_\_\_\_\_ m

Elevation of the groundwater table was determined from (check applicable boxes):

☐ Existing area wells

☐ Test wells drilled for this purpose

☐ Test pits

☐ Other (describe) \_\_\_\_\_

Describe measures proposed to protect groundwater quantity and quality from potential impacts of the proposed mining activity (i.e. fuel management program, buffer above water table, etc.): N/A AS SITE IS ENTIRELY ON BEDROCK. NO FUEL STORED ON SITE

*Note that excavations below the groundwater table may require special approval from the Inspector*

Will fuel/lubricants be stored on site?

☒ No

☐ Yes

If yes, handling, transportation and storage must adhere to B.C. Environment standards as detailed in "Summary of Environmental Standards and Guidelines for Fuel Handling, Transportation and Storage, 2nd edition"

Shortest distance between proposed excavation to nearest residence: \_\_\_\_\_ m, or 1-0 km

Shortest distance between proposed excavation to nearest residential water source: \_\_\_\_\_ m, or 10 km

Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.): FENCING (ON ROAD AND PERIMETER OF MINE SITE) VEGETATION + NATURAL TOPOGRAPHY, SECURE SITE

Are measures proposed to minimize noise impacts of the operation? (i.e. equipment selection, restrictions on hours of operation, noise barriers, etc.)

☐ No

☒ Yes - Please describe: NOISE BARRIERS AROUND

MINING OPERATION

Are measures proposed to minimize dust impacts of the proposed operation? (i.e. apply dust suppressants, water sprays, wind breaks, vegetation, etc.)

☐ No

☒ Yes - Please describe: WIND BREAKS WHERE

POSSIBLE

Are measures proposed to minimize visual impacts of the proposed operation? (i.e. vegetative barriers, berms, green belts, etc.)

☒ No

☐ Yes - Please describe: \_\_\_\_\_

### OCCUPATIONAL FIRST AID

First Aid Supplies and communication at the mine site are required as per Parts 3.6.1 to 3.6.3 of the Code.

Describe the means of communication from the mine site: CELL PHONE

Location of nearest hospital: VICTORIA (GENERAL) OR DUNCAN

Travel time to hospital: 30 min Estimated number of employees on site (includes contractors): 12

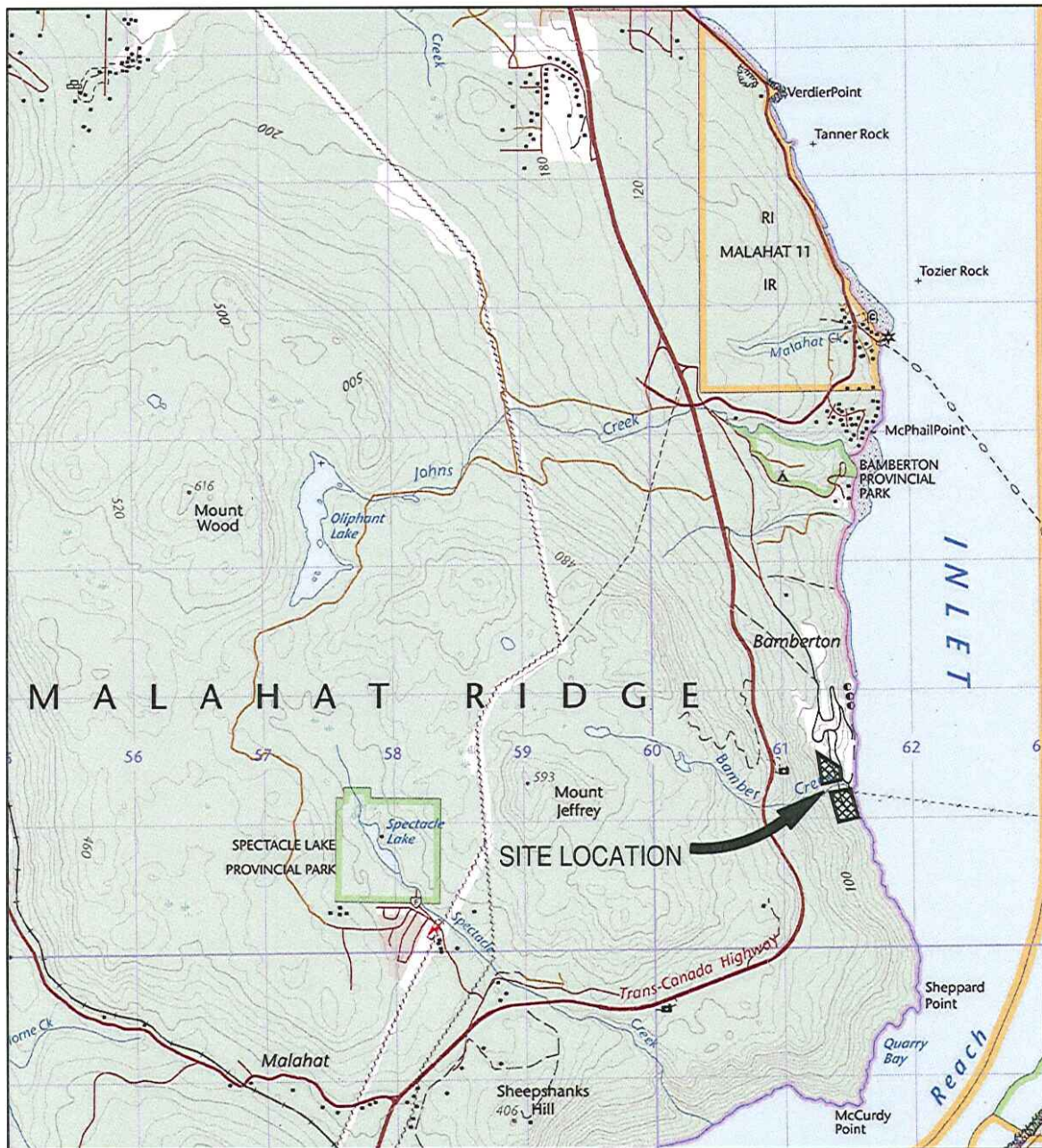
Describe First Aid Level and supplies OFA 3 + SUPPLIES

I, ANDREW HIGGINSON, hereby make application to undertake the mining activities described in this Notice, and in accordance with the *Mines Act* and the Health, Safety and Reclamation Code for Mines in British Columbia.

Applicant Signature: Andrew Higginson




Date: AUG 16, 2010



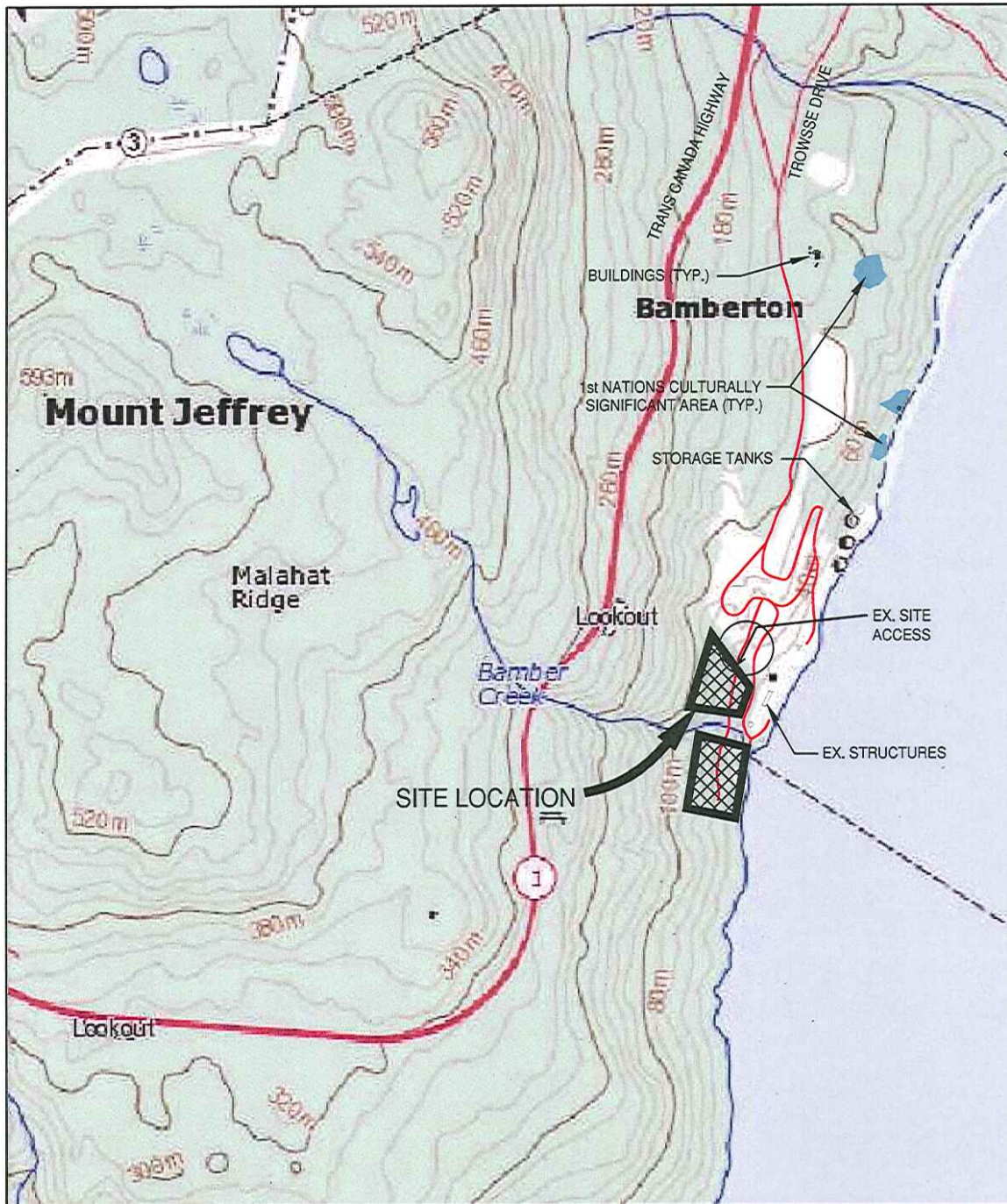


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CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANADA  
TOPOGRAPHIC MAP 92B/12, SHAWNIGAN LAKE, EDITION 6 (2009)

DATE: AUG. 4, 2010			PROJECT:  <b>ROCK QUARRY SOUTHLANDS MINES PERMIT</b>
JOB NO: 395-02 MINING			
DRAWN BY: DAH			
PREPARED FOR:			
 BAMBERTON			<b>SCHEDULE A1 LOCATION MAP</b>
PREPARED BY:			



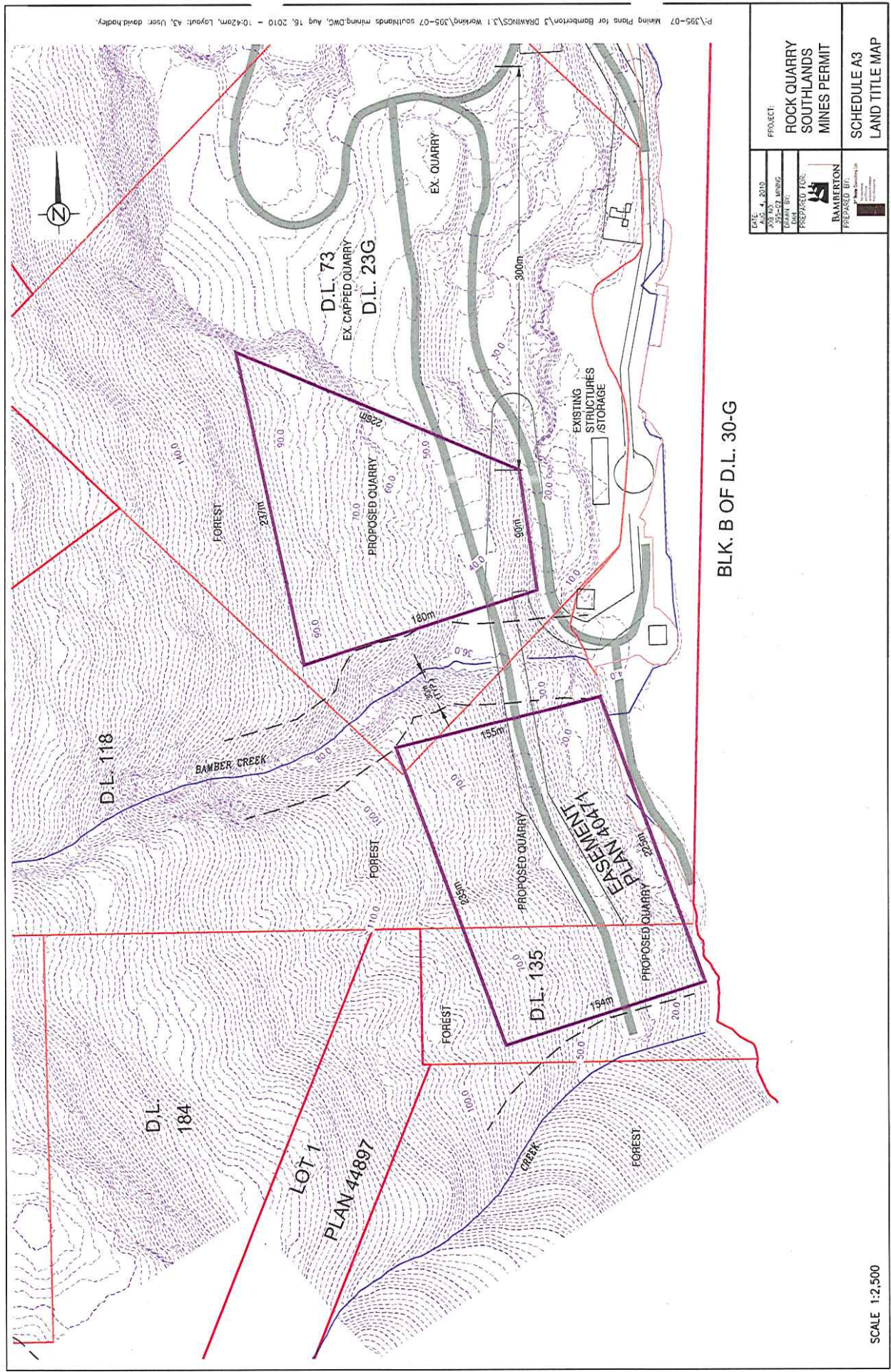


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AS PER NATURAL RESOURCES CANADA ONLINE  
TOPOGRAPHIC MAP 92B/12, SHAWNIGAN LAKE

DATE: AUG. 9, 2010		PROJECT:
JOB NO: 395-02 MINING		ROCK QUARRY
DRAWN BY: DAH		SOUTHLANDS
PREPARED FOR:		MINES PERMIT
		SCHEDULE A2
PREPARED BY: 		
		LOCAL FEATURES MAP





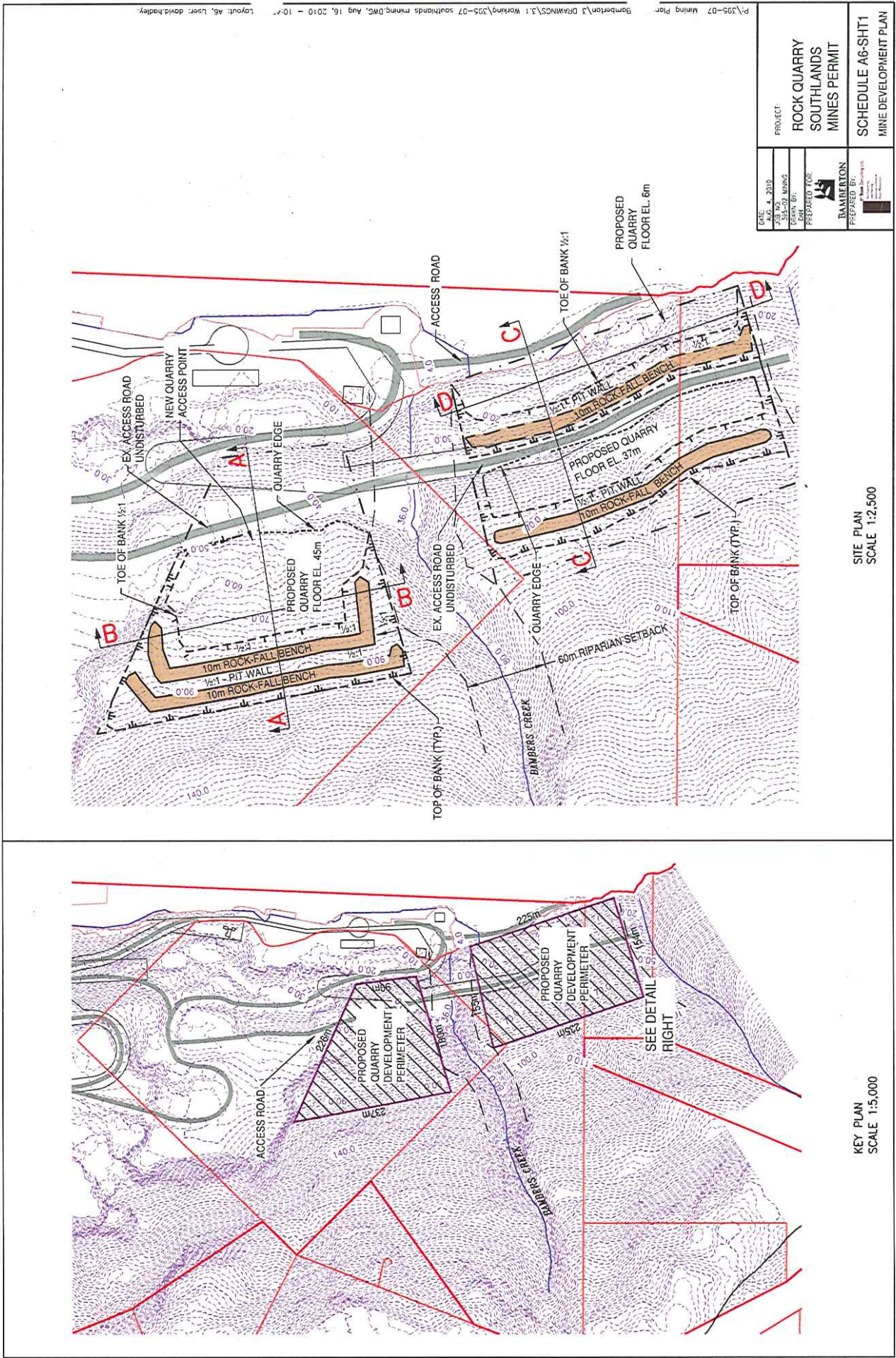
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DATE AUG 4, 2010	PROJECT ROCK QUARRY SOUTHLANDS MINES PERMIT
DRAWN BY JOS TAYLOR	
CHECKED BY DAVID HODLEY	
PREPARED FOR BAMBERTON	
PREPARED BY DAVID HODLEY	
SCHEDULE A3 LAND TITLE MAP	

SCALE 1:2,500

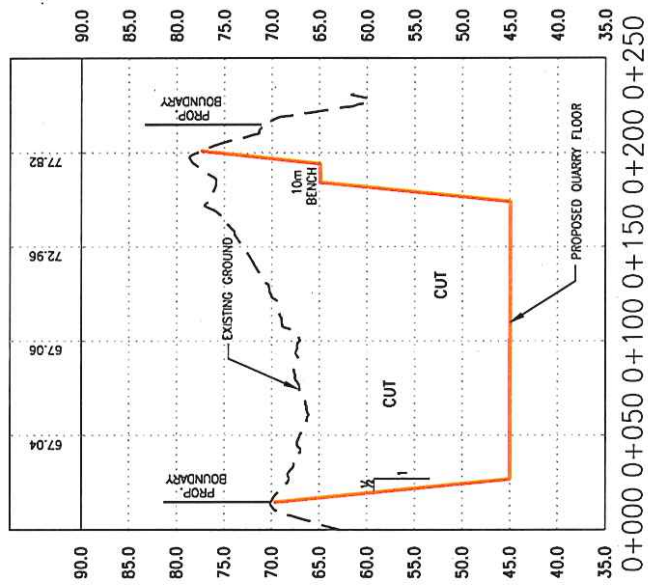
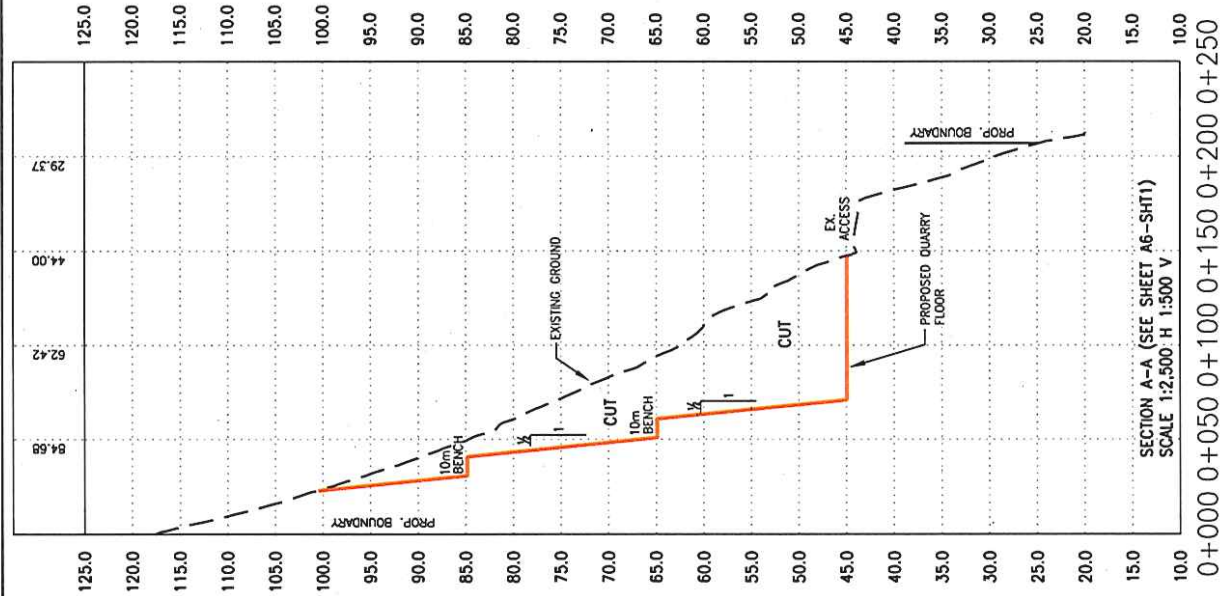
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Bamberton\3 Drawings\3.1 Working\395-07 southlands mining.DWG, Aug 16, 2010 - 10:47  
Layout: A6, User: david.hodley

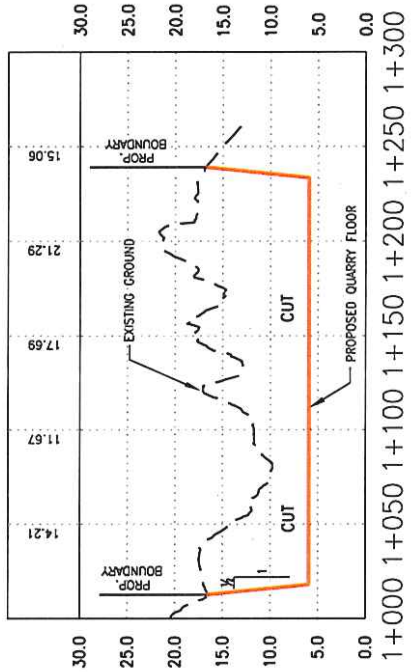
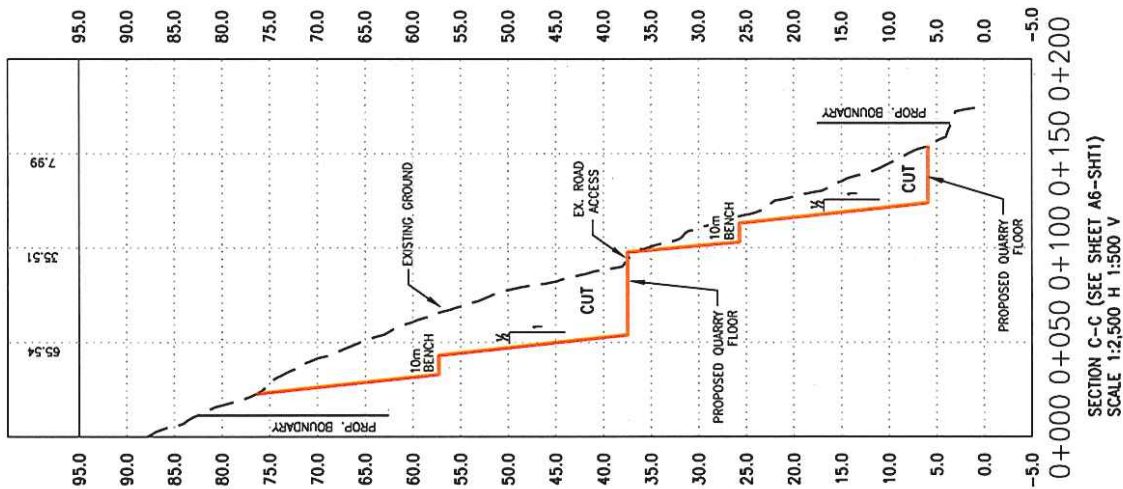




SECTION B-B (SEE SHEET A6-SHT1)  
SCALE 1:2,500 H 1:500 V

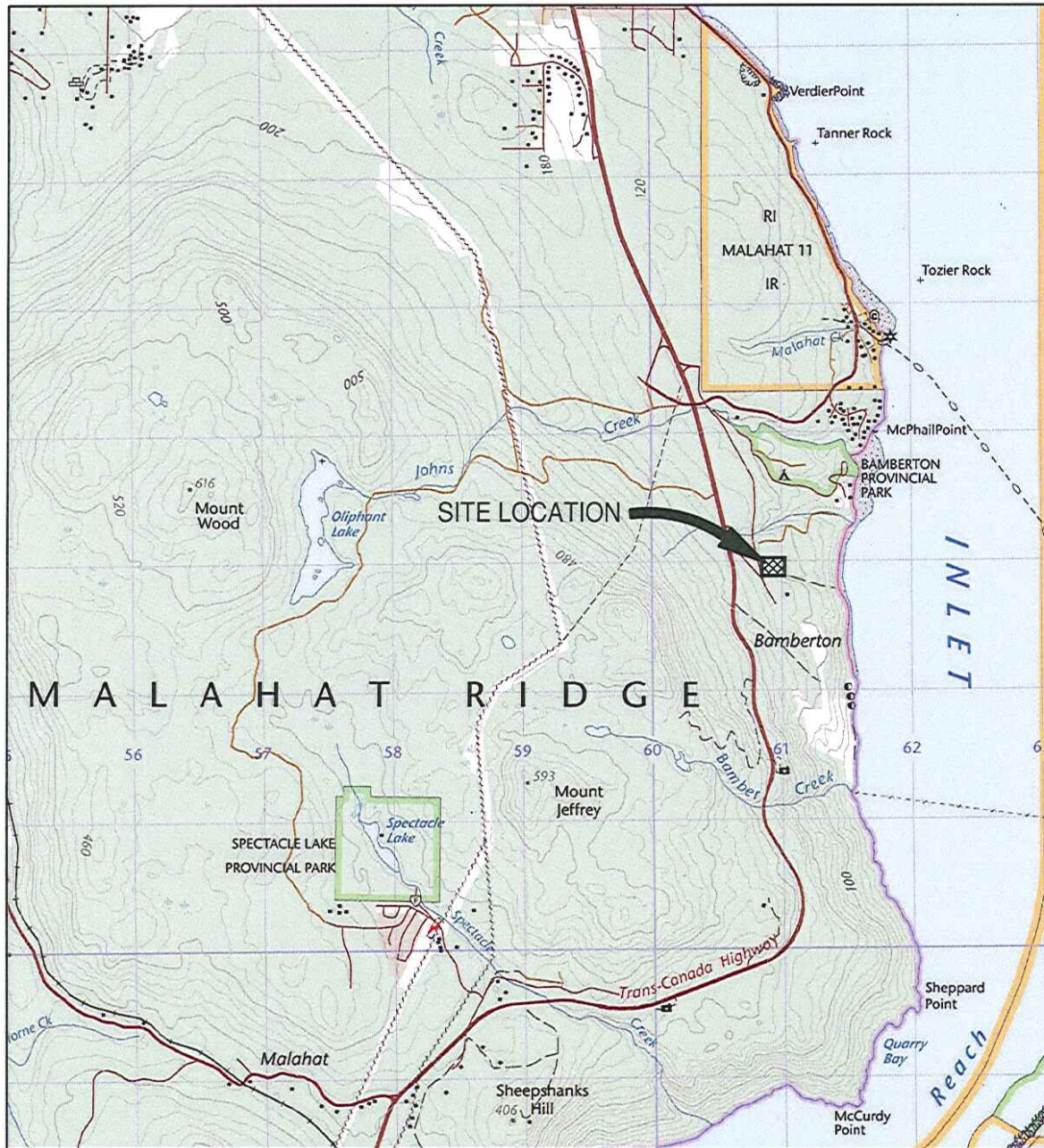
DATE: AUG. 4, 2010	PROJECT: ROCK QUARRY SOUTHLANDS MINES PERMIT	SCHEDULE A6-SHT2
DRAWN BY: [Signature]	DESIGNED BY: [Signature]	MINES DEVELOPMENT PLAN
CHECKED BY: [Signature]	APPROVED BY: [Signature]	
PREPARED FOR: [Signature]		





DATE: 10/10/2010	PROJECT: ROCK QUARRY SOUTHLANDS MINES PERMIT	SCHEDULE A6-SHT3
BY: J. BARTON	PREPARED FOR: BAMBERTON	MINE DEVELOPMENT PLAN
CHECKED BY: J. BARTON	DATE: 10/10/2010	
DESIGNED BY: J. BARTON	DATE: 10/10/2010	
PREPARED FOR: BAMBERTON	DATE: 10/10/2010	



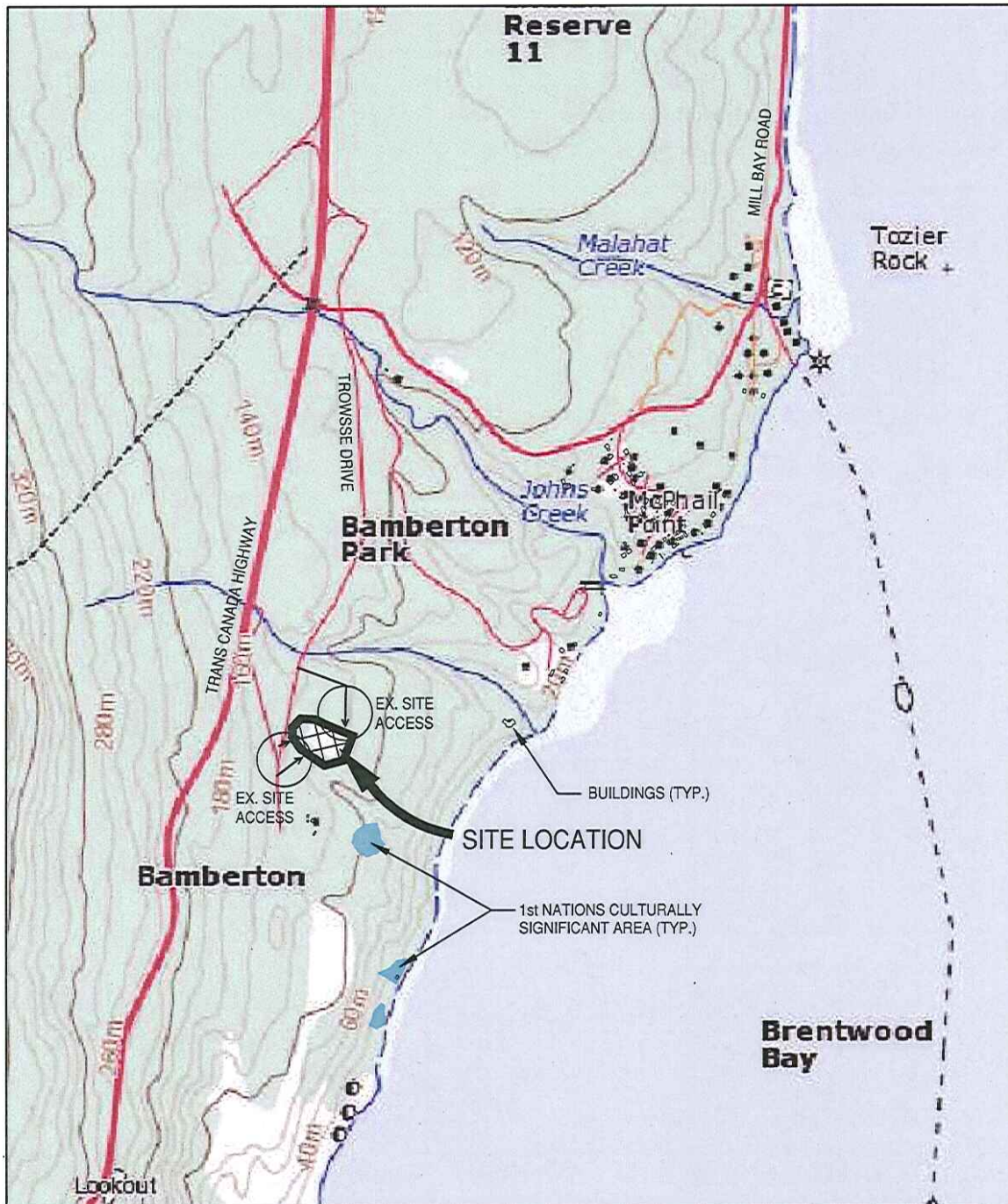


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CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANADA  
TOPOGRAPHIC MAP 92B/12, SHAWNIGAN LAKE, EDITION 6 (2009)

DATE: AUG. 4, 2010	
JOB NO: 395-02 MINING	
DRAWN BY: DAH	
PREPARED FOR:	
 <b>BAMBERTON</b>	<b>PROJECT:</b>  <b>SAND &amp; GRAVEL BENCHLANDS MINES PERMIT</b>
PREPARED BY:  <b>1st Team Consulting Ltd.</b> <small>Geotechnical Land Planning Environmental Assessment Project Management</small>	





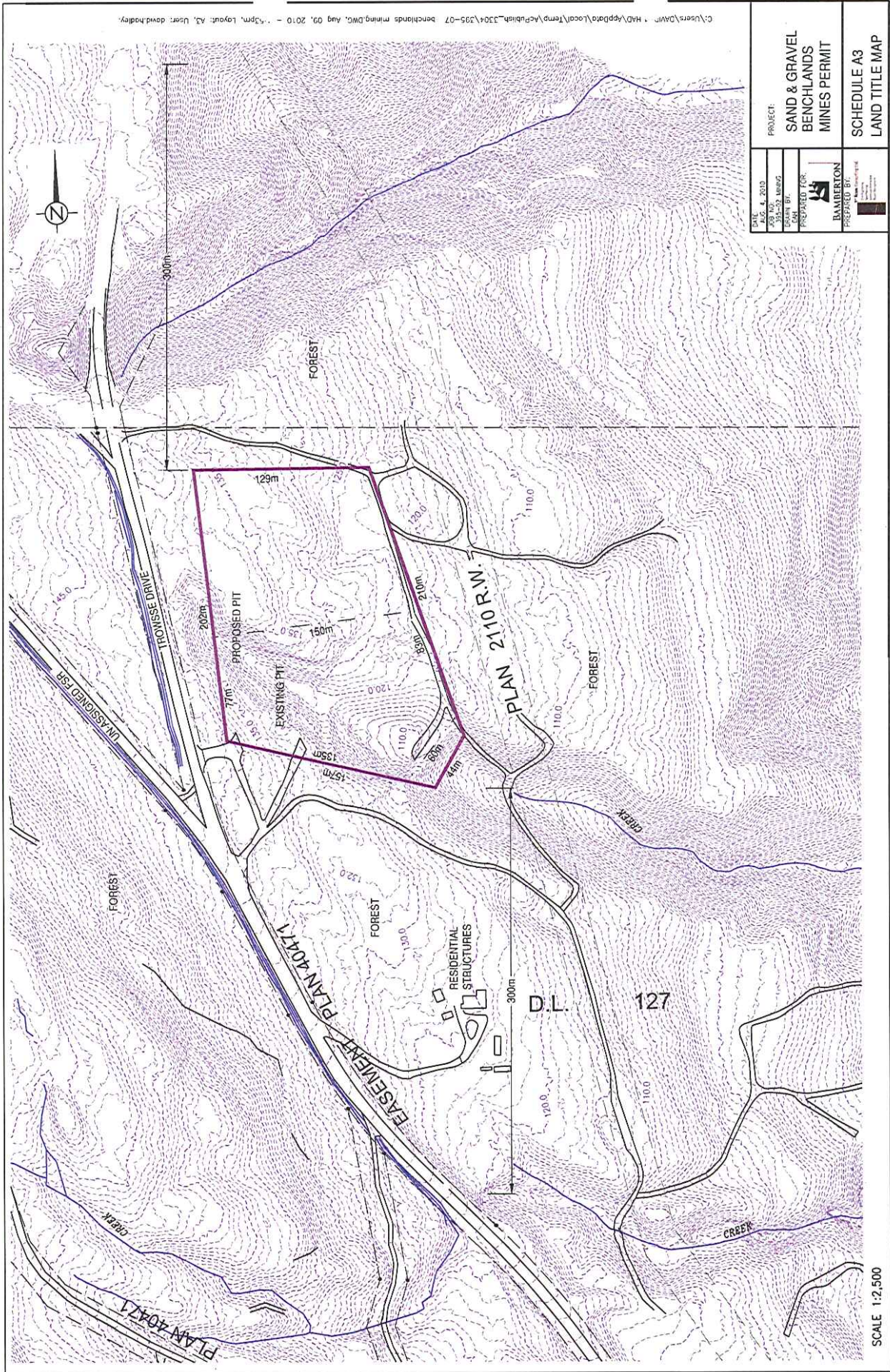
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SCALE 1:20,000

AS PER NATURAL RESOURCES CANADA ONLINE  
TOPOGRAPHIC MAP 92B/12, SHAWNIGAN LAKE

DATE: JULY 28, 2010 JOB NO: 395-02 MINING DRAWN BY: DAH		PROJECT:  <b>SAND &amp; GRAVEL BENCHLANDS MINES PERMIT</b>
PREPARED FOR:   <b>BAMBERTON</b>		
PREPARED BY:   <b>Team Consulting Ltd.</b> <small>Civil Engineering Land Planning Landmark Management Project Management</small>		<b>SCHEDULE A2 LOCAL FEATURES MAP</b>

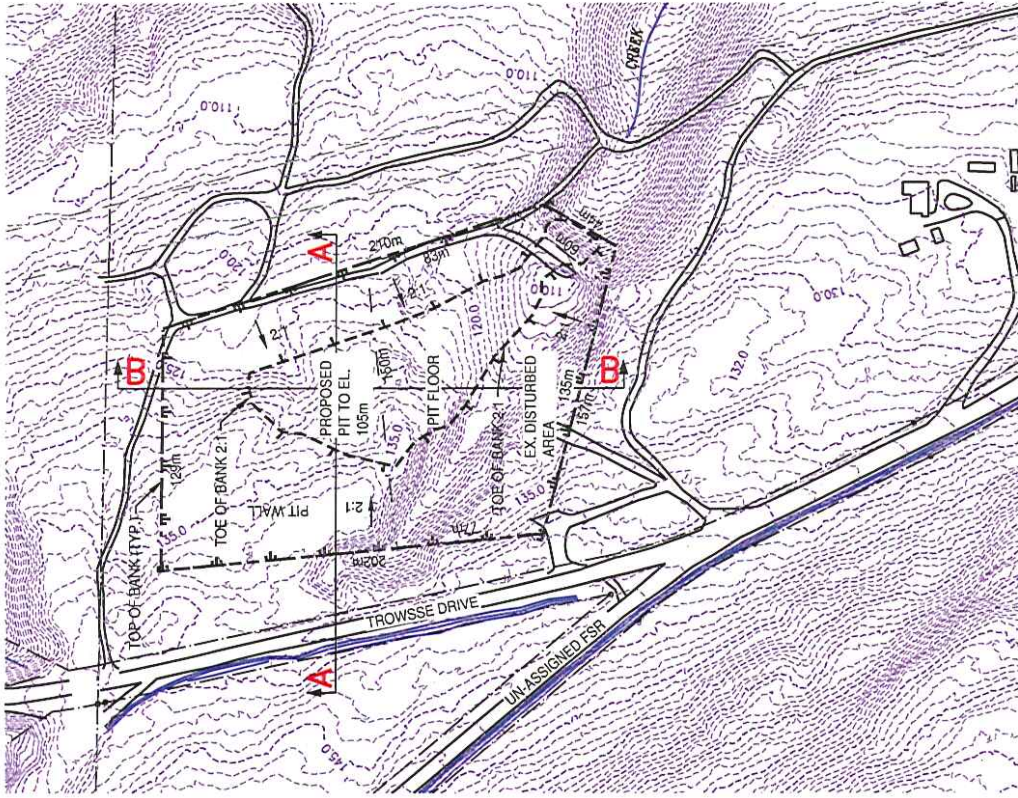




DATE	2010
BY	DAVID HADLEY
FOR	DAVID HADLEY
PROJECT	SAND & GRAVEL BENCHLANDS MINES PERMIT
PREPARED FOR	BAMBERTON
PREPARED BY	DAVID HADLEY
SCHEDULE A3	LAND TITLE MAP

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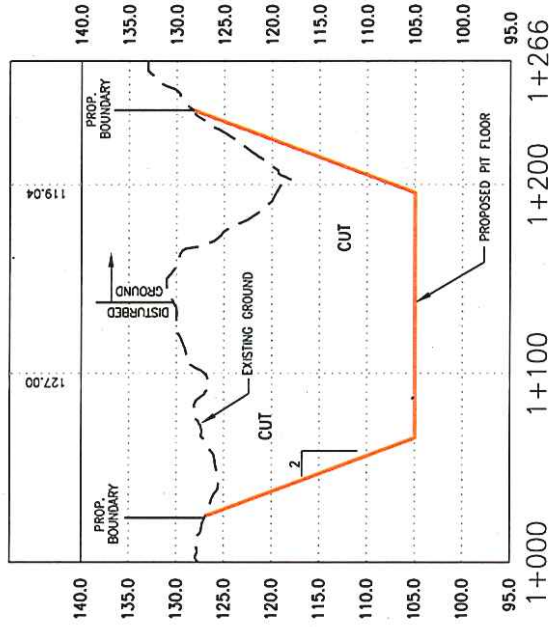
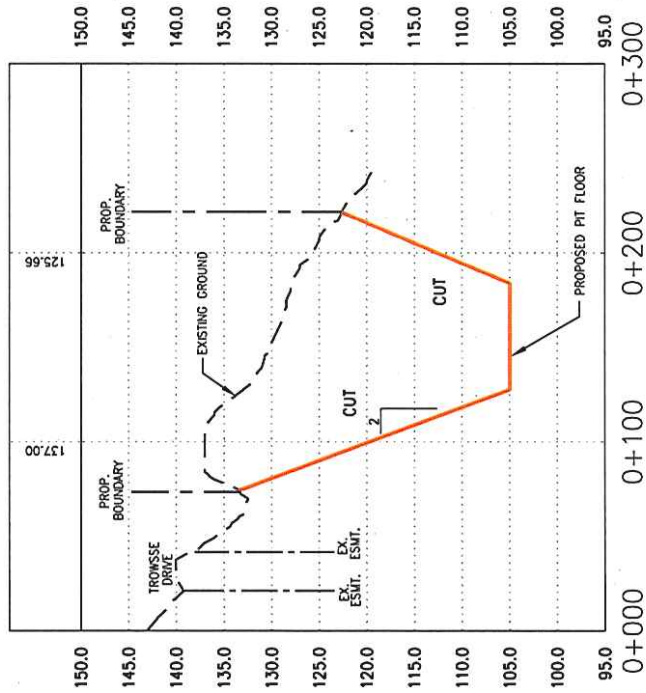
DATE	REVISED	PROJECT
AUG. 4, 2010	1	SAND & GRAVEL
BY: J. H. H. H.	2	BENCHLANDS
BY: J. H. H. H.	3	MINES PERMIT
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SITE PLAN  
SCALE 1:2,500

KEY PLAN  
SCALE 1:5,000

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SECTION A-A (SEE SHEET A6-SHT1)  
SCALE 1:2,500 H 1:500 V

SECTION B-B (SEE SHEET A6-SHT1)  
SCALE 1:2,500 H 1:500 V

DATE: AUG. 4, 2010	PROJECT: SAND & GRAVEL BENCHLANDS MINES PERMIT
DRAWN BY: JESSE CO. MINES	PREPARED BY: JESSE CO. MINES
CHECKED BY: JESSE CO. MINES	APPROVED BY: JESSE CO. MINES
DATE: AUG. 4, 2010	PROJECT: SAND & GRAVEL BENCHLANDS MINES PERMIT
DRAWN BY: JESSE CO. MINES	PREPARED BY: JESSE CO. MINES
CHECKED BY: JESSE CO. MINES	APPROVED BY: JESSE CO. MINES