



January 22, 2019

Mr. Hal Hart, AICP
Director

Mr. John Cooper, LG, LHG
Geologist/Hydrogeologist/Natural Resource Planner
Skagit County Planning & Development Services
1800 Continental Place
Mount Vernon, WA 98273

RE: Section 4 Marblemount Quarry Pre-Application Request

Dear Sirs:

The following is a copy of the Marblemount Quarry Pre-Application Meeting Request Form for your reference. The Pre-Application Meeting was held on December 6, 2018.

Very truly yours,

Charles D. Nylund
Estimating Director



November 21, 2018

Submitted To: Skagit County Planning and Development Services
1800 Continental Place, Mount Vernon, WA 98273
(360) 416-1330

Subject: Pre-Application Meeting Submittal Memorandum for Marblemount Quarry

Dear SCPDS,

This memorandum and attached documents are being submitted on behalf of Kiewit Infrastructure West Co. to request a Pre-Application meeting. Kiewit proposes to develop a jetty rock quarry on Rockport Cascade Road in Marblemount. We are submitting 8 copies of the Pre-Development & Pre-Application Request Form and the following attachments:

- \$480 Submittal Fee
- Fact Sheet
- Additional Fact Sheet including Site Description & Project Description
- Assessor Site Map
- Project Issues or Key Questions
- Figure 1: Site Vicinity Map
- Figure 2: Proposed Quarry Site Layout Map
- Figure 3: Traffic Route Alternatives
- Figure 4: Mapped Critical Areas
- DRAFT Jetty Stone Quarry Reclamation Plan

We understand that a Lot of Record Certification and Critical Areas Approval are requirements of final submittal. We are currently in process of obtaining those documents. Should you have any questions concerning this application, please contact us at (360) 671-9172 or at ppittman@elementsolutions.org.

Sincerely,

Paul Pittman, MS, LEG



Pre-Development & Pre-Application

Planning & Development Services · 1800 Continental Place · Mount Vernon WA 98273
voice 360-416-1320 · inspections 360-416-1330 · www.skagitcounty.net/planning

- **Pre-Development** is an informal feasibility meeting. It is meant to discuss in general terms the proposed development or business plan, application requirements, design standards, design alternatives, and other required permits and the approval process. There is no fee for this meeting.
- **Pre-Application** is to conduct a review of the development applications prior to submittal to Planning & Development Services. * **Requires a submittal fee.**
- *In order to expedite development review, the staff may invite all affected jurisdictions, agencies and/or special use districts to the meeting*
- **Exemptions:** Boundary Line Adjustments, Flood Area Development Permits, Administrative Decisions, Administrative Interpretations, Administrative Variances and Lot Certifications.

Please Submit 8 Copies of the Following:

NOTE: If project is within the Shoreline jurisdiction a Shoreline site visit must be completed before the pre-application meeting.

Submitted with Pre-Application Meeting Request

- ☐ ☐ **Shoreline Determination**
Site plan indicating the ordinary high water mark (OHWM) and setbacks from OHWM to all structures, including neighbor's, within 300 feet from both side property lines. Indicate lot coverage totals, both before proposal and after proposed additions / construction is complete.
- ☒ ☒ ***Submittal Fee \$ \$480** Valid for **6 months** from date of meeting.

Submitted with Pre-Development Meeting Request

- ☒ ☒ **Fact Sheet**
Please complete the attached Fact Sheet. List all parcel numbers of land included in the application.
- ☒ ☒ **Assessor's Map** 8 1/2 x 11. Please identify the subject parcel.
- ☒ ☒ **Lot of Record Certification**
Approved Lot Certification File # PL_____
☒ Applicant is aware this is a requirement of formal submittal.
- ☒ ☒ **Critical Areas Review**
Completed staff report File # PL_____
☒ Applicant is aware this is a requirement of formal submittal.
- ☒ ☒ **Site Description**
Please submit a brief written site description outlining the existing, physical conditions of the parcel (soils, drainage, topography, wetlands, streams, vegetation, wildlife, surrounding land use, traffic patterns, nearest schools if applicable).
- ☒ ☒ **Project Description**
Please submit a brief written description of the proposed development objectives, detailing the nature and impact of the proposed land use requested. For construction projects, please identify proposed square footage, construction type, uses etc.
- ☒ ☒ **Project Issues or Key Questions**
Please indicate what you see as key issues or specify questions that you have about the property that you would like the county staff to respond to. The more information you provide in the submittal package, the more feedback you will get from your project review team to help you towards finalizing your application.
- ☒ **Site Plan & Conceptual Lot Configuration** See page 4.

Date Received:

Accepted by

Permit Number

Zoning / Setbacks

Flood Plain/Floodway

Shoreline

Notes:



Planning & Development Services Fact Sheet
Community Development Division

PL# _____
Date Received _____

- | | |
|--|---|
| <input type="checkbox"/> Binding Site Plan | <input type="checkbox"/> Rezone |
| <input type="checkbox"/> Bldg Permits Triggering SEPA | <input type="checkbox"/> Shoreline Substantial Use Permit |
| <input type="checkbox"/> Fill & Grade Triggering SEPA | <input type="checkbox"/> Short CaRD |
| <input type="checkbox"/> Forest Practice Waiver – HE | <input type="checkbox"/> Short Plat |
| <input type="checkbox"/> Level II, III and IV Applications | <input checked="" type="checkbox"/> Special Use Permit Level II |
| <input type="checkbox"/> Long CaRD <input type="checkbox"/> Pre <input type="checkbox"/> Final | <input type="checkbox"/> Variance Level II |
| <input type="checkbox"/> Plat or SPU Modification | <input type="checkbox"/> Other : _____ |

-
1. Applicant name: Kiewit Infrastructure West CO.
2. Proposed project description: See addtl. sheet
3. Related Permits or Approvals: See addtl. sheet
4. Parcel ID#: See addtl. sheet Assessor Tax #: _____ - _____ - _____
Parcel ID#: _____ Assessor Tax #: _____ - _____ - _____
5. Section 24 Township 35N Range 10E Comprehensive Plan/Zoning Designation: See addtl. sheet
6. Site Address: Rockport Cascade Road, Marblemount, WA 98267
7. Lot of Record: ☐ Yes ☒ No PL# _____
8. Urban Growth Area: ☐ Yes ☒ No If yes, City: _____
9. Comp Plan/Zoning within 200 feet: See addtl. sheet
10. Mineral Resource Overlay within ¼ mile ☒ Yes ☐ No
11. Critical Area/Water within 200 feet: ☒ Yes ☐ No
12. Acreage/Lot Dimensions: See addtl. sheet
13. Flood Zone: C FIRM Map Panel # 530151 0310 C Map Date: January 3, 1985
14. Road access: ☒ Private ☐ County – Permit # _____ ☐ State – Permit # _____
15. Water Source: ☐ Drilled well - Permit # N/A ☐ Community Well ☐ Public _____
16. Sewage Disposal: ☐ Septic – Permit # N/A ☐ Public Sewer: _____
17. Legal Description: See addtl. sheet

(Attach additional sheet if necessary.)



Planning & Development Services

Community Development Division

Applicant

Kiewit Infrastructure West CO.

Name

2200 Columbia House Blvd, Vancouver, WA 98661

Address

(360) 693-1478

Phone

360-693-5582

Fax

chuck.nylund@kiewit.com

e-mail address

Signature:

Chuck Nylund ESTIMATING DIRECTOR

Owner

Cunningham Family Trust (Ann Parker Trustee)

Name

PO Box 8, Hamilton, WA 98255

Address

(360) 826-3341

Phone

Fax

johnecakes@aol.com

e-mail address

Contact

Kiewit Infrastructure West CO.

Name

2200 Columbia House Blvd, Vancouver, WA 98661

Address

(360) 693-1478

Phone

360-693-5582

Fax

chuck.nylund@kiewit.com

e-mail address

Contractor (When applicable. If owner, write owner-builder)

Kiewit Infrastructure West CO.

Name

2200 Columbia House Blvd, Vancouver, WA 98661

Address

(360) 693-1478

Phone

Fax

chuck.nylund@kiewit.com

e-mail address

CC KIEWIHW904M1

Contractors License #

March 1, 2020

Expiration Date

Site Plan Requirements Please include the following if applicable:

- North arrow
- Scale
- Date drawn
- Existing parcels assembled
- Vicinity map
- Existing septic systems and or wells
- Proposed lot layout
- Proposed lot size
- Proposed connection to existing road
- General dimensions of lots, right-of-ways, easements
- Existing structures
- Note of areas where existing elevation might exceed 5 feet
- Streams generally known within 200 feet of project site
- Wetlands generally known within 200 feet of the project site
- Any other critical areas known within 200 feet of project
- Flood Hazard Areas
- Existing easements
- Zoning of adjacent properties
- Any existing building locations
- Proposed internal roads and right-of-way width
- Conceptual drainage
- Scaled measurements for variance requests to reduce setbacks
- Existing bulkheads, Ordinary High Water Mark, if surveyed
- Fire District #
- Estimate of total impervious surface

What you can expect from a Pre-Application/Pre-Development Meeting

Pre-application/Pre-Development meeting review will include discussion from staff or jurisdictions involved in the proposed project regarding the requirement for application(s), the completeness necessary to formally apply, permit or approval requirements, review process and schedule of timelines as well as a list of fees. Staff will also respond to the Applicant or their representative's questions. Staff notes will be provided at the conclusion of the meeting.

Scheduling Pre-Application/Pre-Development Meetings

Upon submittal of 8 copies of the requested information from the pre-application/pre-development submittal checklist items, (and paying the submittal fee for pre-application), staff shall schedule the meeting. The meeting shall be scheduled within approximately fourteen days after the submittal of a complete pre-application request packet. Meetings are scheduled on Thursdays at either: 9:15 am, 10:15 am or 11:15 am and shall be forty-five minutes long. If additional pre-application meetings are required they shall be scheduled as needed.

Waivers

Applicants must participate in a pre-application meeting if governed by the application checklist unless a waiver is requested by the applicant and approved by the Administrative Official. Request for waivers shall be made in writing and addressed to the Administrative Official. Requests shall provide an explicit project description and narrative stating reasons why no pre-application meeting is necessary. The Administrative Official shall respond within 15 calendar days.



November 21, 2018

Submitted To: Skagit County Planning and Development Services
1800 Continental Place, Mount Vernon, WA 98273
(360) 416-1330

Subject: Additional Fact Sheet for **Marblemount Jetty Rock Quarry Project Pre-Application Meeting**

Dear SCPDS,

The following is a supplemental document expanding on requirements in the Skagit County Pre-Development and Pre-Application Request Form. The numbers below correspond with the Pre-Development and Pre-Application Request Form.

2. Proposed Project/Site Description:

The proposed project includes site clearing, operation, and reclamation of a bedrock quarry on Rockport Cascade Road approximately one mile south of Marblemount, WA (**Figure 1**). The proposed project involves the entirety of parcels P45543, P128574, P120304, P45550, and parts of P45548 and P45541 (see attached assessor parcel map). The majority of the quarrying would take place on P45543, which has been used as a small-scale quarry (under 3 acres) in the past. It is a 38-acre parcel that consists of small stands of second-growth timber in the western portion of the site and a large (approximately 800-1,000-foot) rock face mostly consisting of Shuksan greenschist that would be quarried under the proposed project (**Figure 2**). The quarry may be expanded east onto P45541 contingent on a MRO overlay expansion via a Skagit County Comprehensive Plan Amendment currently in progress.

The proposed project would occur in five steps. Steps 1-3 would occur within the existing MRO overlay and Step 4 would occur after a MRO overlay expansion: **1) Clearing and Forest Practice Conversion, 2) Building an access road, 3) Mining within the MRO overlay area, 4) Possible mine expansion contingent on MRO boundary change, and 5) Reclamation** (see attached Site Plan and Reclamation Plan).

The purpose of the proposed project is to provide jetty rock for a project of nationwide significance. A jetty construction project is currently underway on the Columbia River to aid navigation and reduce sedimentation from the river, as the current jetties are failing. Several additional jetty projects are subsequently being implemented and a large volume of rock is needed. However, the original source of jetty rock is no longer available. Jetty rock requires a specific density and size, and an exhaustive search was performed along the West Coast for a

new source of jetty rock. The Marblemount Quarry was identified as one of the few potential source of jetty rock currently available.

Skagit County granted a Conditional Use Permit (CUP) for small-scale surface mining at the Marblemount Quarry in 1982. Since then, the site has been sporadically used for small-scale surface mining activities including some talus quarrying and sand and gravel mining. Neither of these mining activities exceeded 3 acres in size and were therefore exempt from DNR reclamation permits at the time. A Class IV Forest Practice Conversion was approved by the DNR in 1990 but it is no longer valid.

Now that a larger source of jetty rock is needed, the client proposes to quarry bedrock from the cliff at the subject property for use on the Columbia River jetty project (see site plan). The total estimated mineable rock available at this location is approximately 8,798,000 cubic yards, which is enough to supply jetty rock for many decades.

The majority of the site is already within the Mineral Resources Overlay (MRO), with two exceptions. Steps 3 and 4 address the possible expansion of the mine if the MRO overlay is amended through a Skagit County Comprehensive Plan Amendment.

Step 1 of the proposed project would involve clearing and removing stumps of approximately 100 acres on Parcels P45543, P45550, P120304, P128574, and parts of P45548 and P45541.

Step 2 would include building an asphalt entrance road to the quarry and an approximately 1-mile gravel access road from the northwest corner of P45543 that would continue south through P128574 and turn north on the northern portion of P4558. The road would continue north to the top of the rock face where mining would occur.

Step 3 would include constructing an approximately 5.5-acre armor stone stockpile area in the western portion of P45543. It would also involve installing a mobile office trailer, heavy equipment lot and fueling station, and shop adjacent to Rockport Cascade Road on the northwest portion of P45548. An approximately 2.5-acre topsoil stockpile area would be established south of the shop and a proposed stormwater pond would be located in the southwest corner of the northwest portion of P45548. An approximately 10.2-acre undersized stockpile area would be established in the existing MRO area on P128574. Rock quarrying would take place on the rock face on P45543. There is a proposed 30-foot buffer from the property line of P45541 during Step 3 of the proposed project. This 30-foot buffer would be a variance from the standard 100-200-foot buffer. 100 to 200-foot buffers would be maintained around the rest of the proposed project footprint along property lines. A 50-foot vegetative buffer would be maintained on Rockport Cascade Road (see the Site Plan for details).

An approximately 19-acre benched rock quarry would be established on P45543 (see Reclamation Plan). Rock would be quarried from above and hauled down the access road to the bottom for processing. Active bedrock quarrying may have the following noise and traffic impacts:

Table 1. Anticipated Traffic and Noise Impacts from Quarry Activities

		QUANTITIES	NOTES
1	ANTICIPATED # OF TRUCKS/DAY	UP TO 100	1 TRUCK/DAY = 1 ROUND TRIP
2	LOADED TRUCK WEIGHTS (LBS)	105,500	10% OF TRIPS MAY EXCEED BECAUSE ARMOR STONE IN EXCESS OF 25 TON/EA REQUIRES SPECIAL PERMITTING
3	ANTICIPATED ROUTES	SEE FIGURE 3	A ROUTE HAS NOT BEEN SELECTED YET; FIGURE 3 SHOWS ROUTE OPTIONS
4	BLAST FREQUENCY	UP TO 2 BLASTS/DAY	BLAST TIMES - LUNCH & END OF SHIFT
5	HRS OF OPERATION	6 A.M TO 6 P.M. MON-SAT	NIGHT SHIFT MAY BE REQUIRED FOR CERTAIN CONTRACTS
6	EQUIPMENT MAINTENANCE	6 A.M TO 12 A.M. MON-SAT	NORMAL OPERATIONS REQUIRE HEAVY EQUIPMENT MAINTENANCE AFTER WORK HOURS
7	OTHER POTENTIAL NOISE SOURCES	CRUSHING, SCREENING, PROCESSING, BACKUP ALARMS, ETC.	

Step 4 includes a possible quarry and proposed undersized stockpile area expansion. Step 4 is dependent on an expansion of the MRO overlay through the Skagit County Comprehensive Plan Amendment process. If the MRO overlay is expanded, it would encompass additional quarrying east of the Step 3 boundary on P45543. The quarry would be expanded east onto P45541 and would be approximately 7 acres. Additionally, the MRO overlay would be expanded to accommodate a larger undersized stockpile area (approximately 21 acres). The undersized stockpile area described in Step 3 would be expanded south onto P45548 to accommodate the additional undersized rocks from the expanded quarry.

Step 5 includes full reclamation of all the affected parcels following decommissioning of the quarry. The full lifespan of the quarry could be up to 100 years or whenever the source of jetty rock is exhausted, with reclamation following. The reclamation plan is currently under development, but would be consistent with Department of Natural Resources surface mine reclamation regulations.

3. Related Permits or Approvals:

- Skagit County Special Use Permit
- Skagit County Comprehensive Plan Amendment Application
- Skagit County Grading Permit
- Skagit County Road Access Permit
- Skagit County Building Permit (if necessary)
- Skagit County Forest Practice Conversion Permit
- DNR SM-6 Permit
- DNR SM-8a Permit
- DNR Class IV Forest Practice Permit
- National Pollutant Discharge Elimination System (NPDES) permit (Sand and Gravel)
- Oversize/Overweight Vehicle Permit Application
- Others as needed to complete the permitting process.

4. Parcel ID #s:

See Table 2.

9. Comp Plan/Zoning within 200 feet:

Rural Reserve (RRv), Secondary Forest—Natural Resource Lands (SF-NRL), Industrial Forest—Natural Resource Lands (IF-NRL), Rural Resource—Natural Resource Lands (RRc-NRL) (Figure 4).

12. Acreage/Lot Dimensions:

See Table 2.

17. Legal Descriptions:

See Table 2.

Table 2. Parcel Information for Marblemount Quarry

Parcel # (Q4)	Assessor Tax # (Q4)	Acreage/Lot Dimensions (Q12)	Legal Description (Q17)
P45543	351024-2- 001-0012	~38 acres	CF-75: NE1/4 NW1/4 LESS TR & 80FT STRIP TO CO EXC TH N SIDE OF A TRI RUN ELY 100FT & TH W SIDE OF SD TRI RUN SLY 100FT FR TH NW COR OF SD NE1/4 OF TH NW1/4 TH ENDS OF TH TWO SIDES CONNECTED WITH A DIAGONAL LI RUN NELY & SWLY 141.5FT M/L
P45541	351024-1- 001-0006	~15 acres*	CF-75: W1/2 NE1/4 & LTS 1 2 3 4

Parcel # (Q4)	Assessor Tax # (Q4)	Acreage/Lot Dimensions (Q12)	Legal Description (Q17)
P45548	351024-2-003-0002	~33 acres*	CF-75: W1/2 NW1/4 LESS RD & NE1/4 SW1/4 & S1/2 SW1/4 & W1/2 SE1/4
P128574	351024-2-005-0200	~38 acres	CF-75 THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 24, TOWNSHIP 35 NORTH, RANGE 10 EAST, W.M., EXCEPT THE NORTH 208 FEET OF THE WEST 208 FEET OF THE SE1/4 NW1/4 AND ALSO EXCEPT THE NORTH 90 FEET OF THE WEST 480 FEET, EXCEPT THE WEST 208 FEET IN THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 24, TOWNSHIP 35 NORTH, RANGE 10 EAST, W.M.
P120304	351024-2-005-0100	~0.6 acre	INCLUDING MANUFACTURED HOME 2008 KIT MARQUIS MANOR 70.8X29.6 SERIAL NUMBER 4508KID2054A/CA&B; THE NORTH 90 FEET OF THE WEST 480 FEET, EXCEPT THE WEST 208 FEET IN THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 24, TOWNSHIP 35 NORTH, RANGE 10 EAST, W.M.
P45550	351024-2-005-0000	~1 acre	THE NORTH 208 FEET OF THE WEST 208 FEET OF THE SE1/4 NW1/4

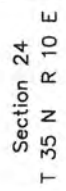
* The acreage acquired and used for the proposed project; parcels are larger than the acreage reflected in this table

The above is a supplemental document for a Skagit County Pre-Development and Pre-Application Request. Should you have any questions concerning this document, please contact us at (360) 671-9172 or at ppittman@elementsolutions.org.

Sincerely,



Paul Pittman, MS, LEG





November 21, 2018

Submitted To: Skagit County Planning and Development Services
1800 Continental Place, Mount Vernon, WA 98273
(360) 416-1330

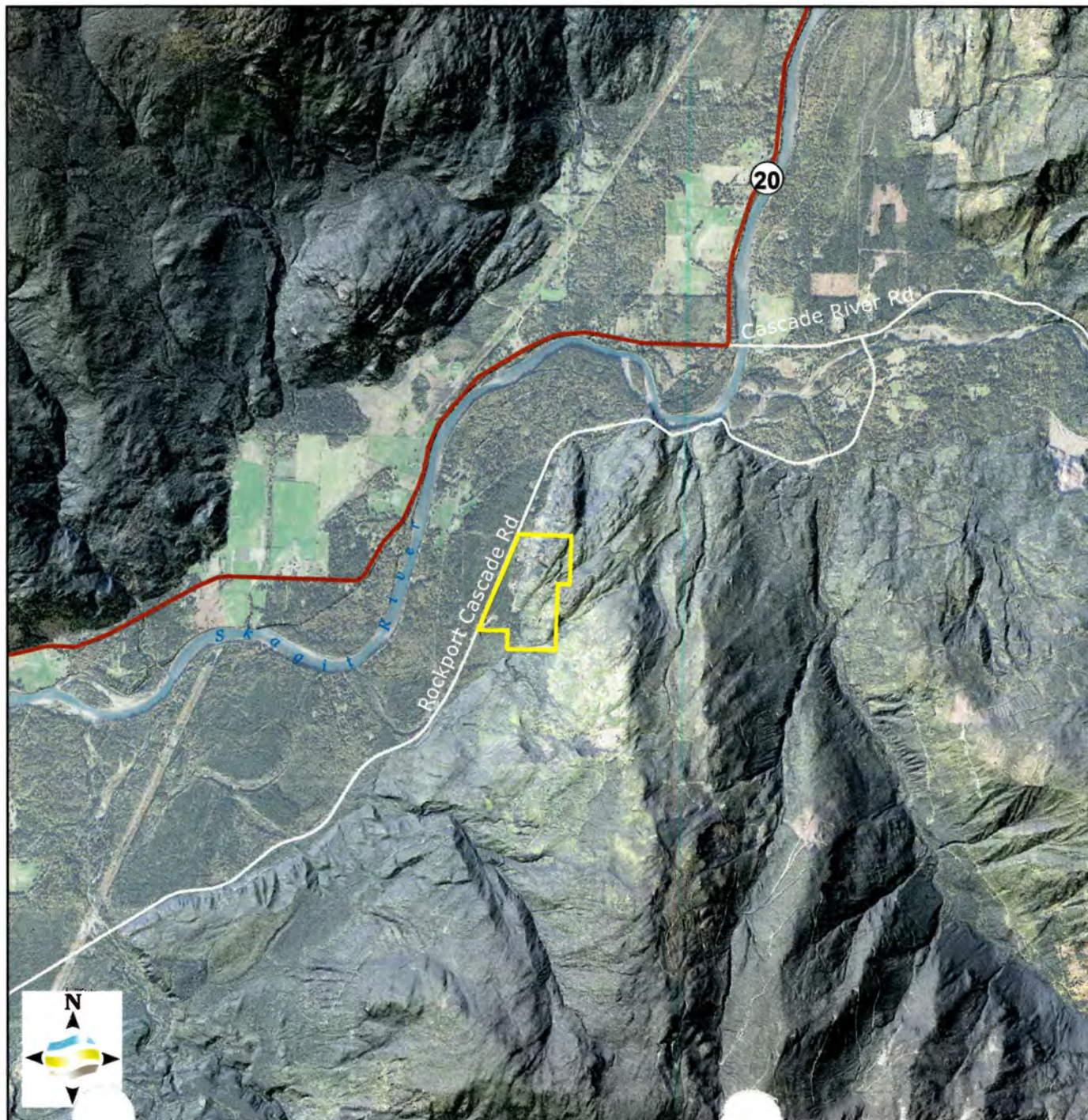
Subject: Project Issues or Key Questions for **Marblemount Jetty Rock Quarry Project Pre-Application Meeting**

The following is a list of project issues and key questions for the Skagit County Pre-Application meeting.

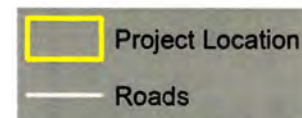
1. We are planning to include the following technical studies with our application:
 - Wetland and Fish and Wildlife Habitat Conservation Area Report including Marbled Murrelet/Northern Spotted Owl Survey
 - Geotechnical Report/Slope Stability Analysis
 - Noise Impact Analysis
 - Cultural Resources Report
 - Traffic Impact Analysis
 - Hydrogeology Report
 - Reports required by DNR: Topsoil Budget Plan, Topsoil Salvage & Replacement Plan, Revegetation Plan, Backfilling Plan, Blasting Plan, Slope Stability Compaction Analysis and others as needed.

Are there any studies we are missing/anything that could be added to strengthen our application?

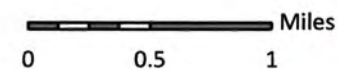
2. We are aware that Step 4 of the proposed project requires mining outside the current MRO. We are working with the County Commissioners to discuss the possibility of expediting the process for expansion of the MRO through a Comprehensive Plan Amendment. ***Do you see foresee any issues with this process?***



Data Credits:
 USDA NAIP 2017
 USGS, QSI 2017
 WSDOT 2018
 USGS 2006



1 in = 1 miles



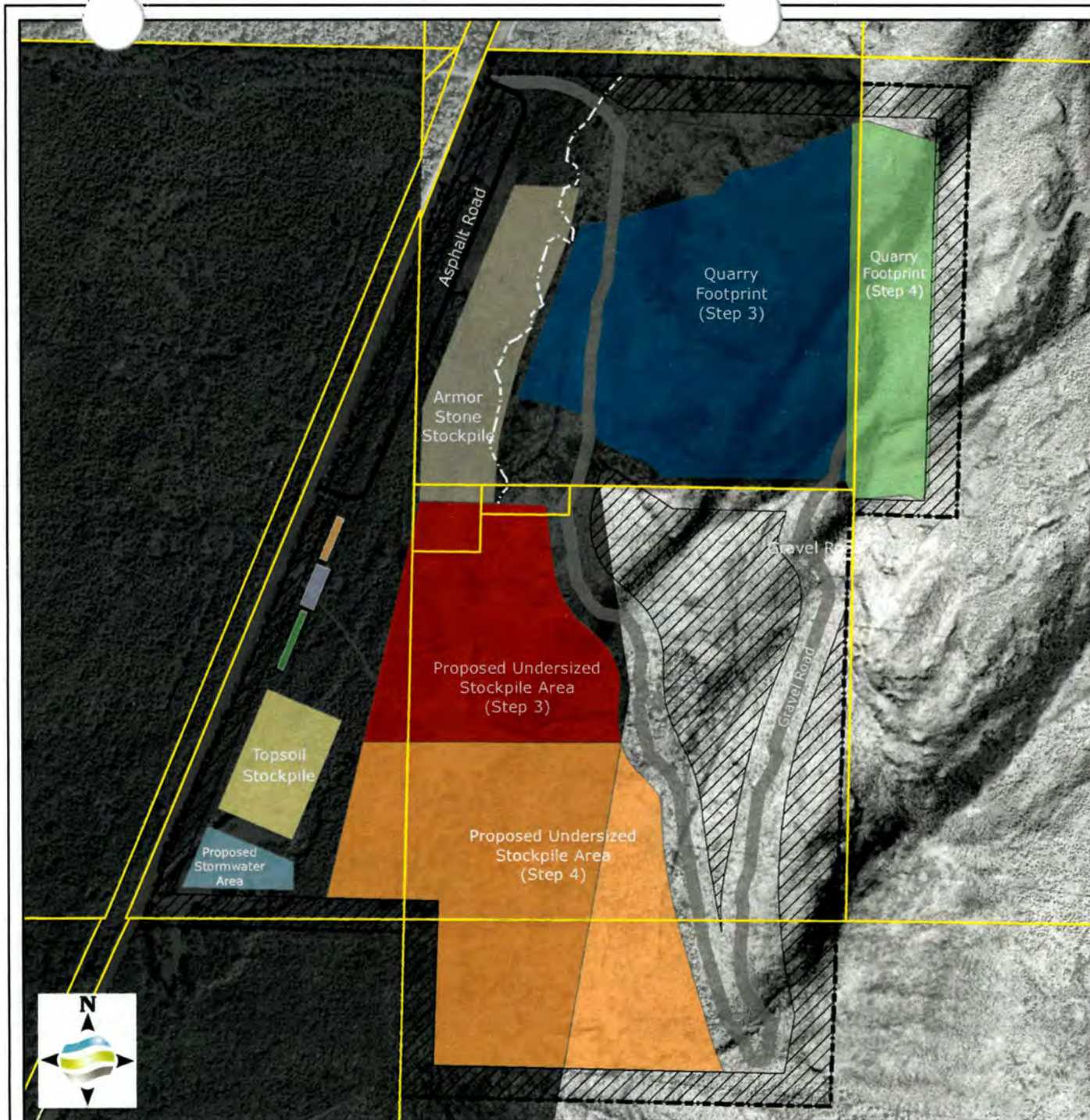
909 Squaticum Way Ste111
 Bellingham, WA 98225
 info@elementsolutions.org
 Phone: 360.671.9172



FIGURE 1

Rockport Cascade Road,
 Skagit County
 Site Vicinity Map

Date: 10/20/2018



Data Credits:
USGS, QSI 2017
Skagit County 2011, 2018



0 200 400 600 800 Feet



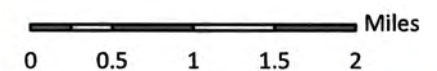
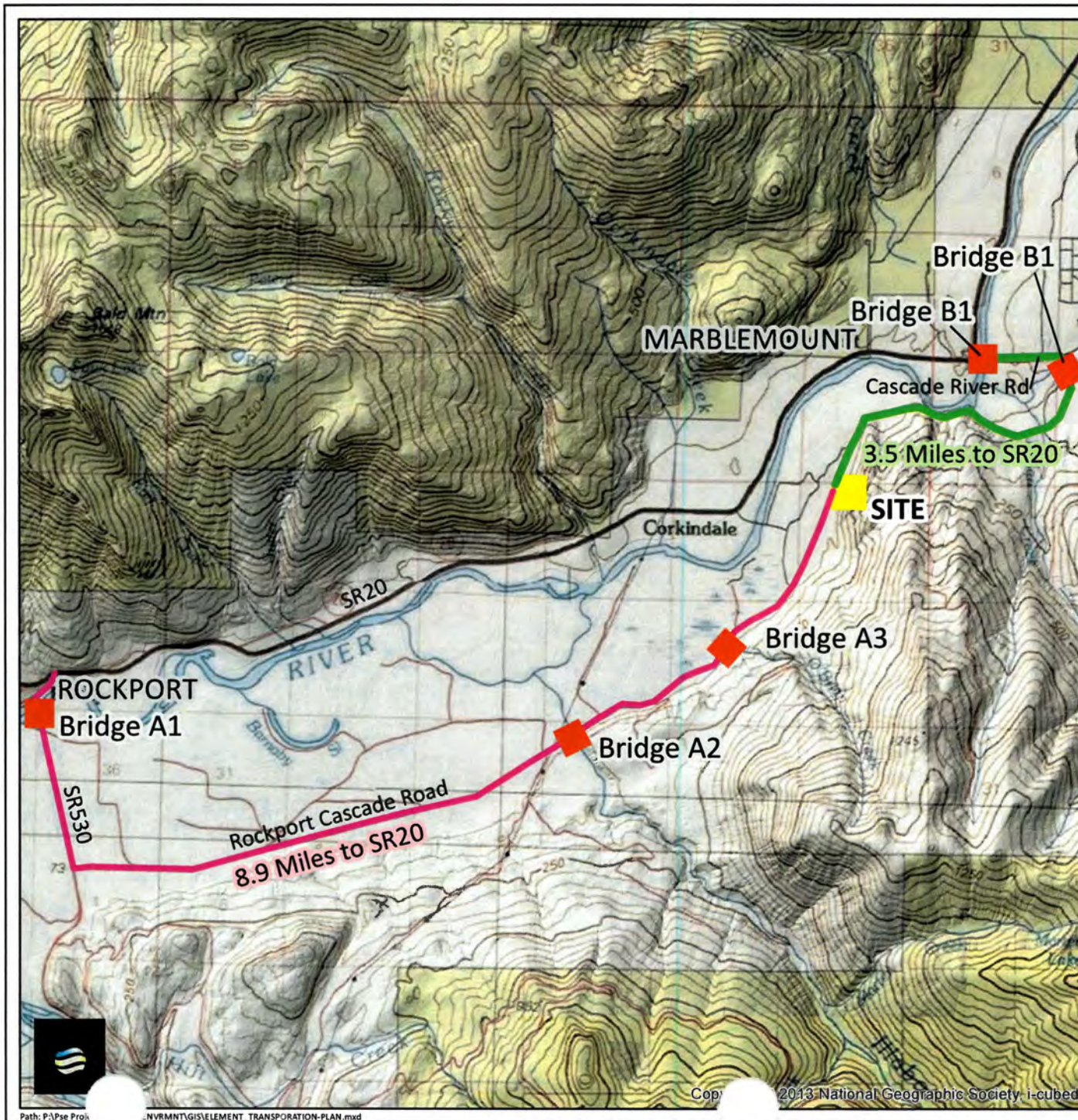
909 Squallicum Way Ste111
Bellingham, WA 98225
info@elementsolutions.org
Phone: 360.671.9172

ELEMENT
solutions

FIGURE 2

Marblemount Quarry
Proposed Site Layout

Date: 11/21/2018



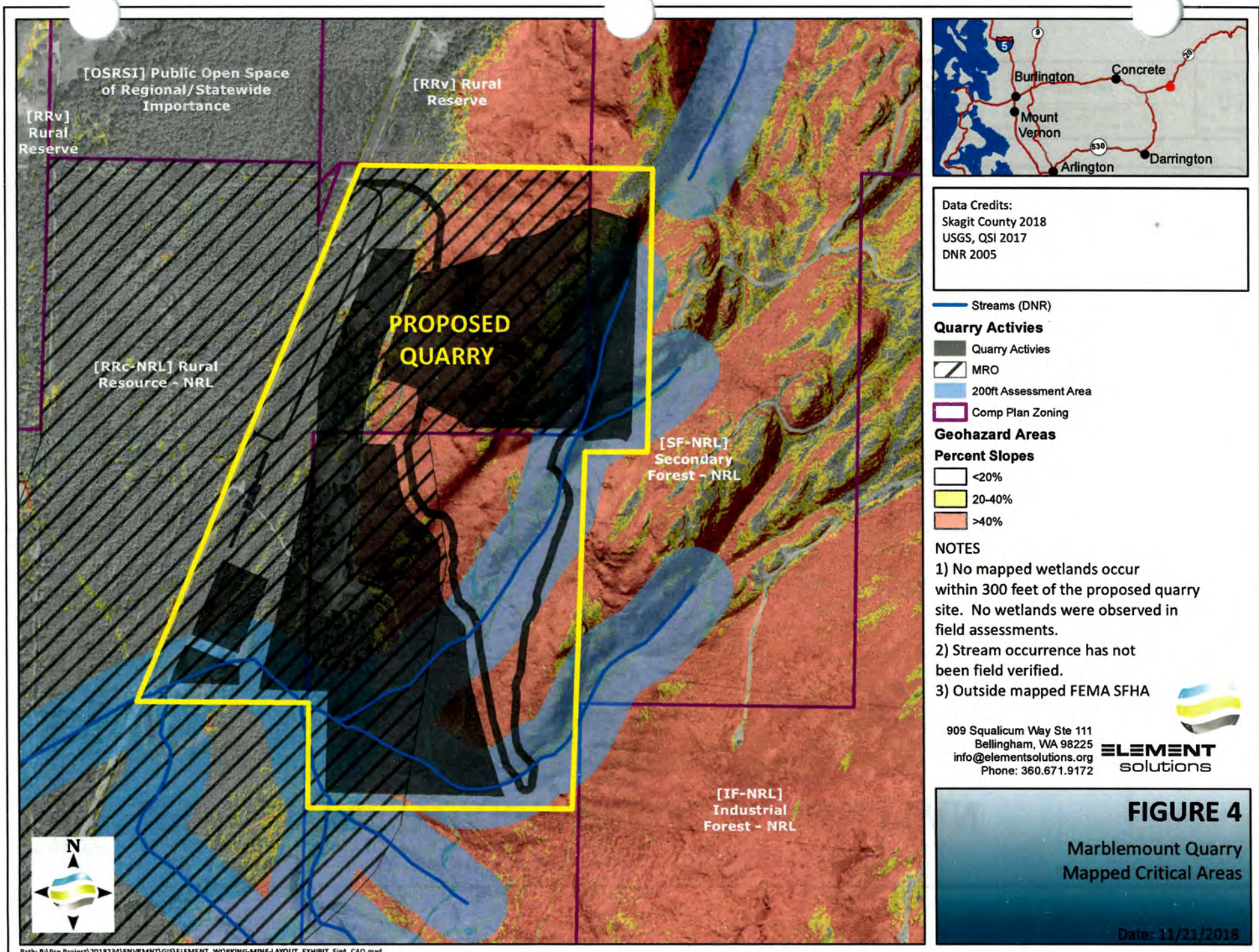
909 Squalicum Way, Ste 111
Bellingham, WA 98225
info@elementsolutions.org
Phone: 360.671.9172



FIGURE 3

Marblemount Quarry
Hauling Route Alternatives

Date: 1/2018

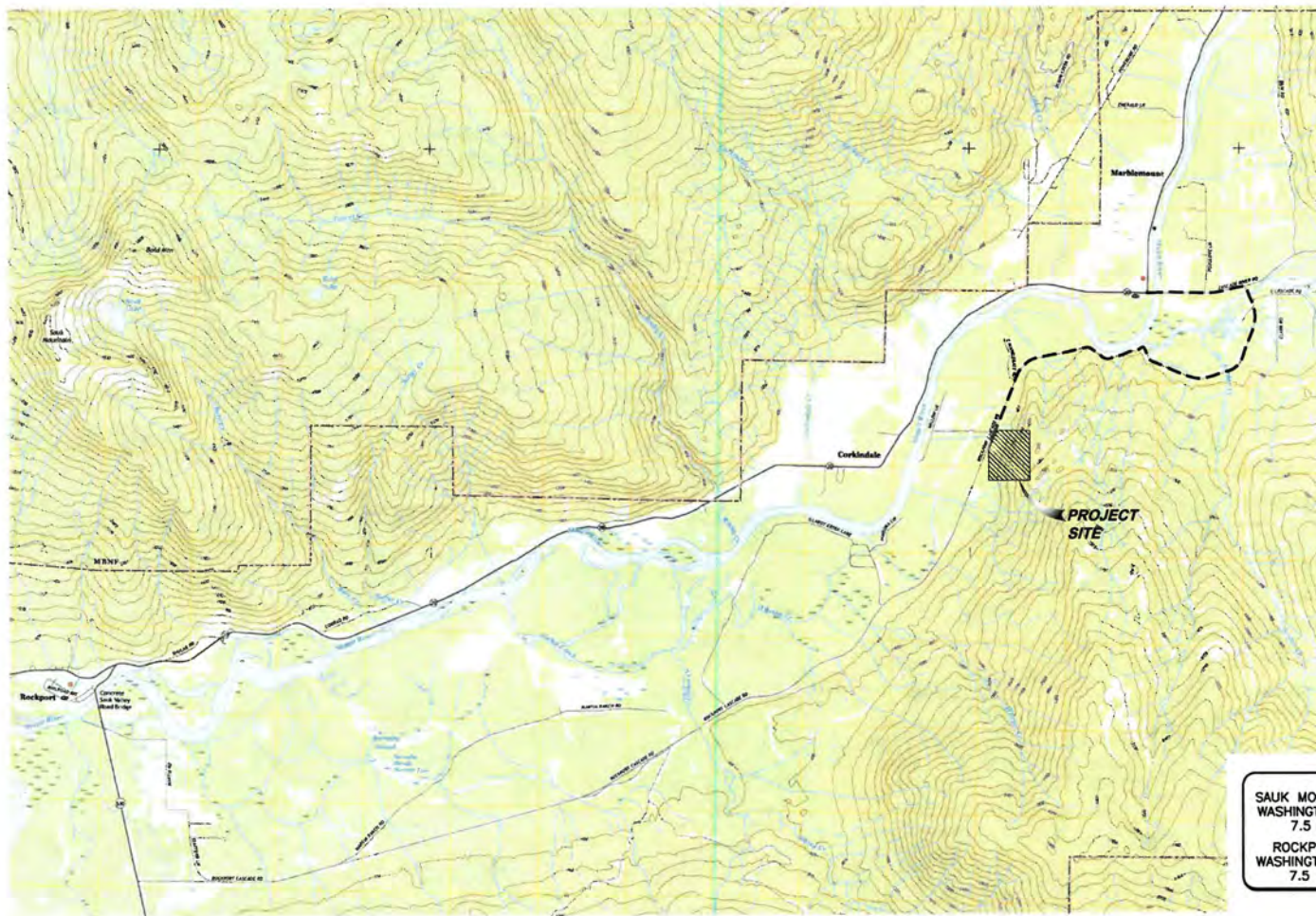




PACIFIC SURVEY & ENGINEERING INC.
909 SQUALICUM WAY SUITE 111 • BELLINGHAM, WA 98225 PHONE: 360.671.7387 FAX: 360.671.4685 EMAIL: info@psurvey.com

SITUATE IN THE N.W. ¼ OF SECTION 24 TOWNSHIP 35 NORTH, RANGE 10 EAST, WILLAMETTE MERIDIAN,
NEAR MARBLEMOUNT, SKAGIT COUNTY, WASHINGTON

JETTY STONE QUARRY RECLAMATION PLAN



ROAD CLASSIFICATION

HIGHWAY 30	—————
LOCAL ROAD	—————
CONSTRUCTION SITE ACCESS ROUTE	- - - - -

- SHEET INDEX**
- 01. SITE ACCESS MAP
 - 02. PRE-MINING TOPOGRAPHIC MAP
 - 03. OVERALL SITE MAP
 - 04. MINING LIMITS
 - 05. MINING VOLUME
 - 06. CROSS SECTION A-A
 - 07. CROSS SECTION B-B
 - 08. ACCESS ROADWAY PROFILE
 - 09. ACCESS ROADWAY PROFILE & DETAILS

USGS MAPS UTILIZED

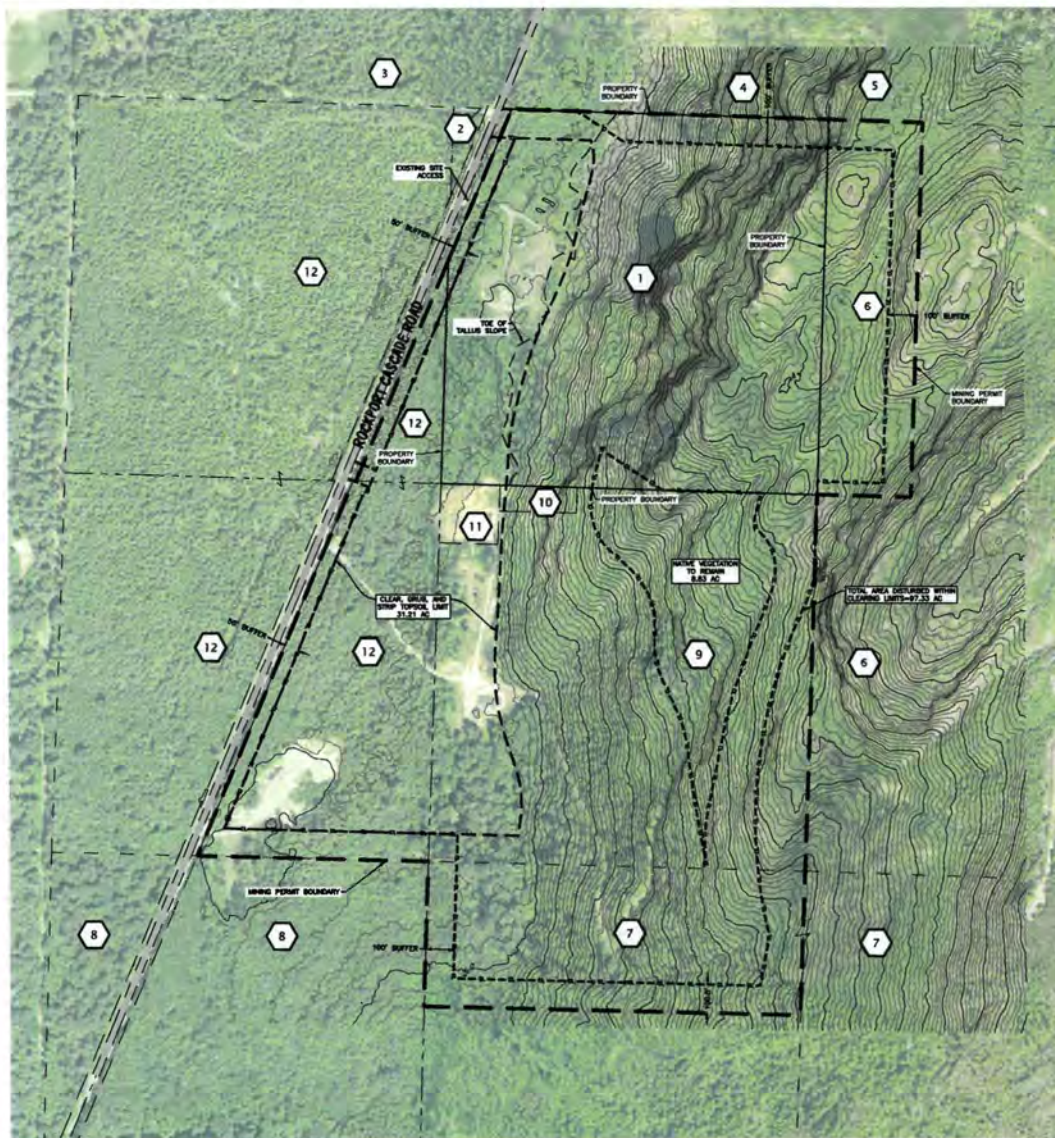
SAUK MOUNTAIN QUADRANGLE WASHINGTON-SKAGIT COUNTY 7.5 MINUTE SERIES	MARBLEMOUNT QUADRANGLE WASHINGTON-SKAGIT COUNTY 7.5 MINUTE SERIES
ROCKPORT QUADRANGLE WASHINGTON-SKAGIT COUNTY 7.5 MINUTE SERIES	ILLABOT PEAKS QUADRANGLE WASHINGTON-SKAGIT COUNTY 7.5 MINUTE SERIES

FIELD BOOK	TRM. No.	LOCATION	ELEV.	DATA	SCALE	REV.	DATE	REVISION DESCRIPTION	BY	No.	ISSUE DESCRIPTION	DATE
DESIGN				BASE	1" = 100'					1	PROJECT SETTING	NOV 14, 2013
STAMPING				DESIGN	1" = 100'					2	PRE-AP SUBMIT	NOV 21, 2013
ASBUILT				ASBUILT	1" = 100'							
DRAWN: P:\Projects\JETTYSTONE\JETTYSTONE.dwg, 11/21/13, 11/21/13												
SURVEY REFERENCE												
VERTICAL DATUM												
PLAN CHECK												
REVISIONS												
ISSUE												
FOR												



MARBLEMOUNT QUARRY
MARBLEMOUNT, WASHINGTON
RECLAMATION PLAN EXHIBITS
SITE ACCESS MAP

JOB No. 2017008
SHEET
01
OF
09



1	PARCEL P45543 CUNNINGHAM FAMILY TRUST PO BOX 8 HAMILTON, WA 98555
2	PARCEL P45546 STATE OF WASHINGTON PARKS & RECREATION 11111 SORREL RD. S.W. OLYMPIA, WA 98504
3	PARCEL P45273 BYARS JEAN I 240 E. ARKLELL RD. UNION, WA 98592
4	PARCEL P45305 LOPES CHRIS P & SPENCER STACY M 11850 SE 252ND PL KENT, WA 98030
5	PARCEL P45307 CITY OF SEATTLE CITY LIGHT DEPT. ATTN: SEATTLE CITY LIGHT 700 5TH AVENUE SUITE 3200 AP PO BOX 34023 SEATTLE, WA 98124
6	PARCEL P45541 SERRA PACIFIC LAND AND TIMBER COMPANY PO BOX 498028 REDDING, CA 96049
7	PARCEL P45548 SERRA PACIFIC LAND AND TIMBER COMPANY PO BOX 498028 REDDING, CA 96049
8	PARCEL P45552 EARNST KATHLEEN A & NICHOLSON DENISE E 152 NICHOLSON RD TOSCO-WOOLLEY, WA 98284
9	PARCEL P128754 ASHENWELTER KEVIN EDMUND & SUSAN DEE PO BOX 249 MABLEMOULTON, WA 98267
10	PARCEL P120304 ASHENWELTER KEVIN EDMUND & SUSAN DEE PO BOX 249 MABLEMOULTON, WA 98267
11	PARCEL P45550 ASHENWELTER KEVIN EDMUND & SUSAN DEE PO BOX 249 MABLEMOULTON, WA 98267
12	PARCEL P45548 SERRA PACIFIC LAND AND TIMBER COMPANY PO BOX 498028 REDDING, CA 96049

PARCEL INFORMATION OBTAINED ONLINE FROM
SACCT COUNTY ASSESSORS WEBSITE
www.skagitcounty.net

— MINING PERMIT AREA —
125.19 AC = AREA WITHIN PERMIT BOUNDARY

EXISTING LINE LEGEND

	= EXISTING PROPERTY LINE
	= MINING FOOTPRINT BOUNDARY
	= EXISTING GRADE INDEX CONTOUR
	= EXISTING GRADE INTERNAL CONTOUR
	= QUARRY CLEARING LIMITS
	= CLEARING, GRUBBING AND TOPSOIL LIMIT

FIELD BOOK	TRIM No.	LOCATION	ELEV.	DATA	BEARING	PIVOT	SCALE	REV	DATE	REVISION DESCRIPTION	BY	No.	ISSUE DESCRIPTION	DATE
DESIGN				INSTR.	BE	BE	HORIZ.				1	PROJECT REVISION	NOV 24, 2019	KSHWIT INFRASTRUCTURE WEST CO 2200 COLUMBIA HOUSE BLVD. VANCOUVER, WASHINGTON 04061 360.693.1478
DRAWING				SECTION	BE	BE	VERT.				2	PRELIMINARY	NOV 25, 2019	
ASBUILT				FIELD										
				DWG.	P:\Projects\2019\KSHWIT\KSHWIT\KSHWIT\KSHWIT.dwg									
SURVEY REFERENCE		VERTICAL DATUM		PLAN CHECK				REVISIONS				ISSUE		FOR



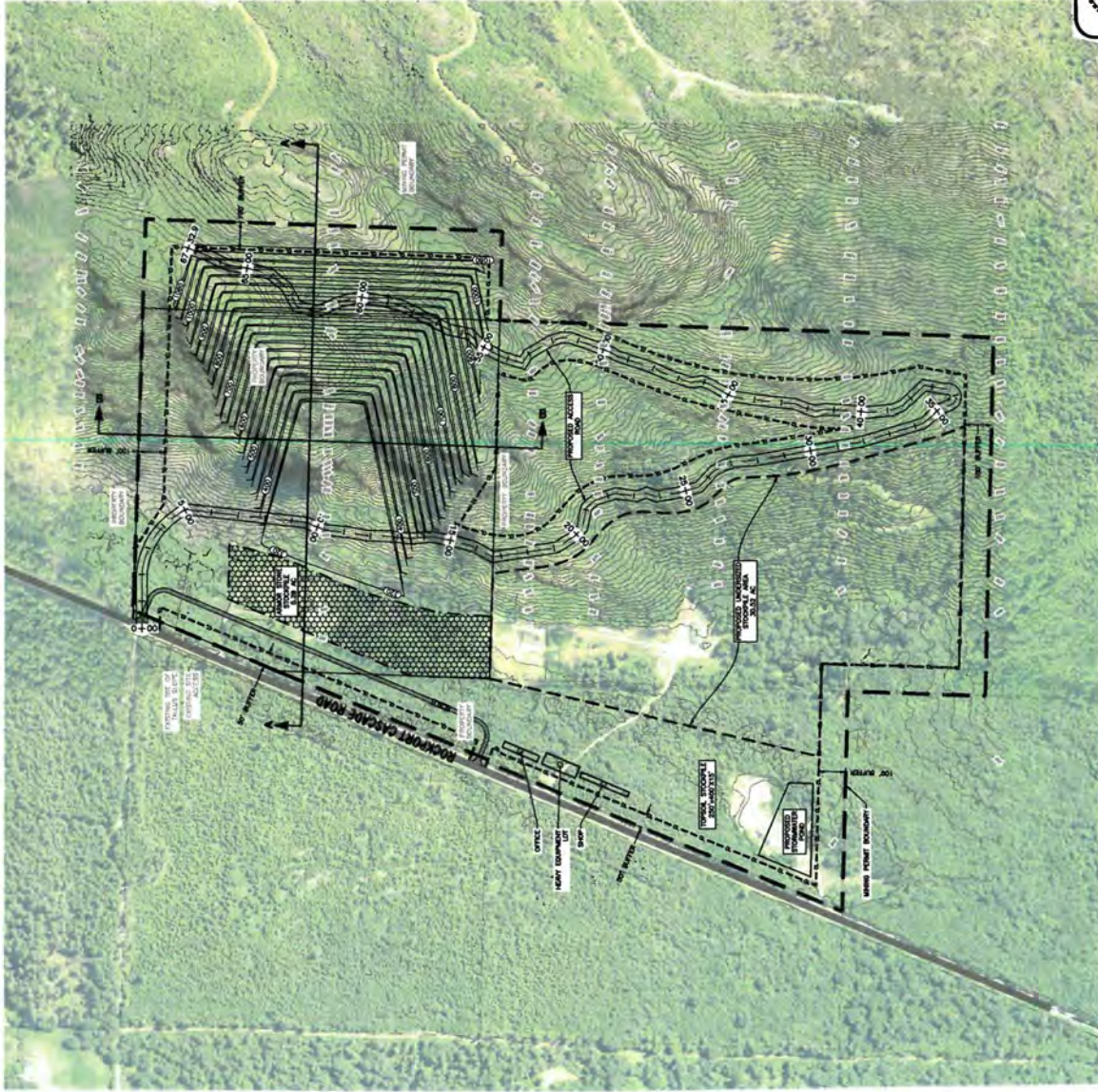
MARBLEMOUNT QUARRY
MARBLEMOUNT, WASHINGTON
RECLAMATION PLAN EXHIBITS

PRE-MINING TOPOGRAPHIC MAP

JOB No. 2017008

SHEET

02
OF
09



GRAPHIC SCALE
0 100 200 Feet

VOLUME SUMMARY
EST VOLUME ESTIMATE TOTAL = 5,765,000 CY

- PROPOSED LINE LEGEND**
- EXISTING INFRASTRUCTURE
 - PROPOSED INFRASTRUCTURE
 - EXISTING STOCKPILE AREA
 - PROPOSED STOCKPILE AREA
 - EXISTING FENCE BOUNDARY
 - PROPOSED FENCE BOUNDARY
 - EXISTING QUARRY CLEANING LIMITS
 - PROPOSED QUARRY CLEANING LIMITS
 - EXISTING QUARRY STOCKPILE BOUNDARY
 - PROPOSED QUARRY STOCKPILE BOUNDARY
 - EXISTING FINISHED GRADE INDEX CONTOUR
 - PROPOSED FINISHED GRADE INDEX CONTOUR
 - EXISTING FINISHED GRADE CONTOUR
 - PROPOSED FINISHED GRADE CONTOUR
 - EXISTING STOCKPILE AREA
 - PROPOSED STOCKPILE AREA
 - EXISTING STOCKPILE AREA
 - PROPOSED STOCKPILE AREA

MARBLEMOUNT QUARRY
RECLAMATION PLAN EXHIBITS
OVERALL SITE MAP



KEVIN T. WEST
2000 COLUMBIA ROAD, SUITE 200
VANCOUVER, WASHINGTON 98661
360.593.1473

REV	DATE	DESCRIPTION	BY	CHK
1	10/11/2017	ISSUE FOR PERMIT	KEVIN T. WEST	KEVIN T. WEST
2	10/11/2017	REVISED FOR PERMIT	KEVIN T. WEST	KEVIN T. WEST

REVISIONS

SCALE
1" = 400'

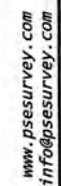
DATE
10/11/2017

LOCATION
MARBLEMOUNT QUARRY

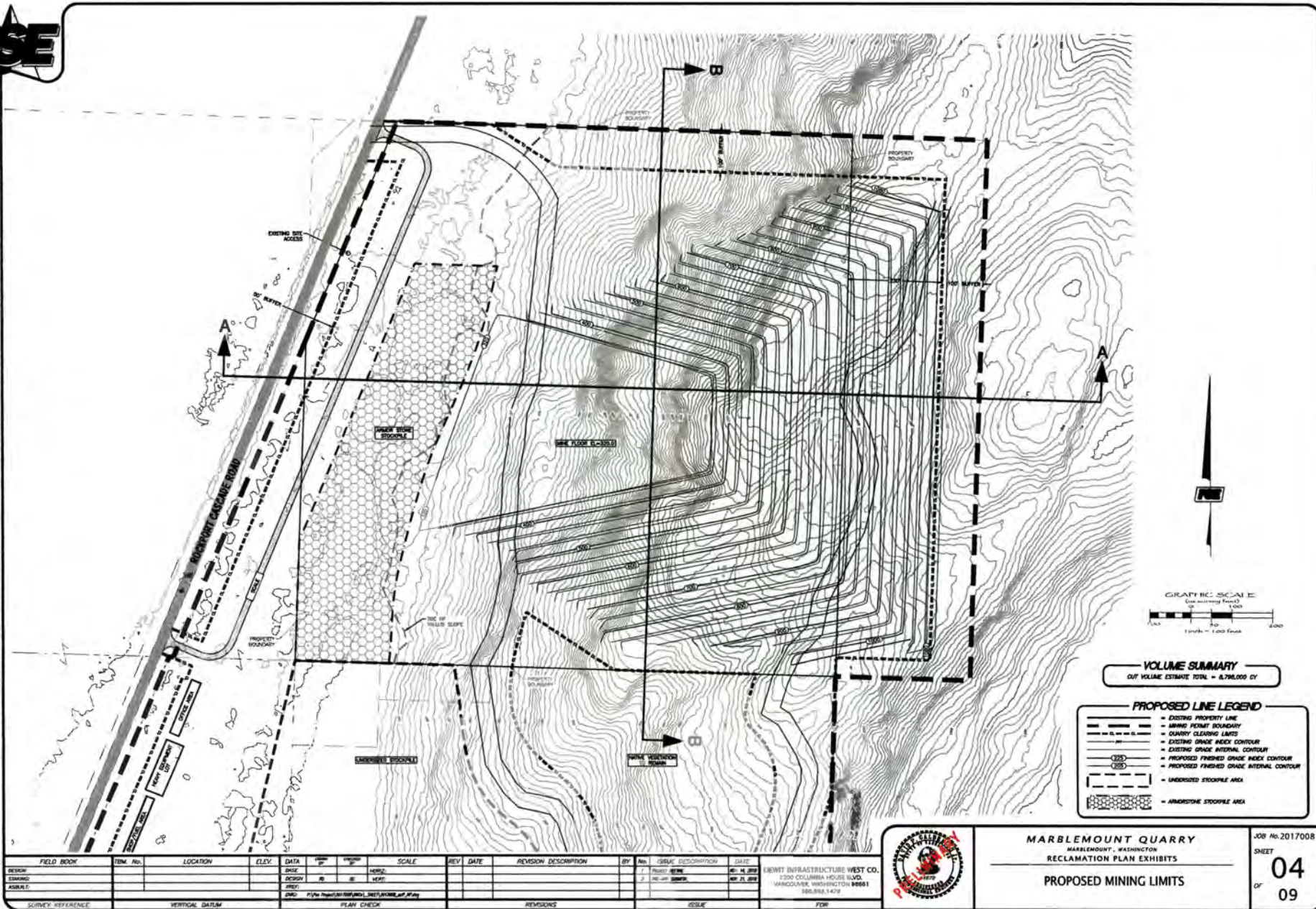
FIELD BOOK
DATE
10/11/2017

STATION
100+00

ADJUST
100+00



PACIFIC SURVEY & ENGINEERING INC.
909 SQUALICUM WAY, SUITE 111 · BELLINGHAM, WA 98225 PHONE: 360. 671.7387 FAX: 360. 671. 4685 EMAIL: info@psurvey.com



MARBLEMOUNT QUARRY
MARBLEMOUNT, WASHINGTON
RECLAMATION PLAN EXHIBITS

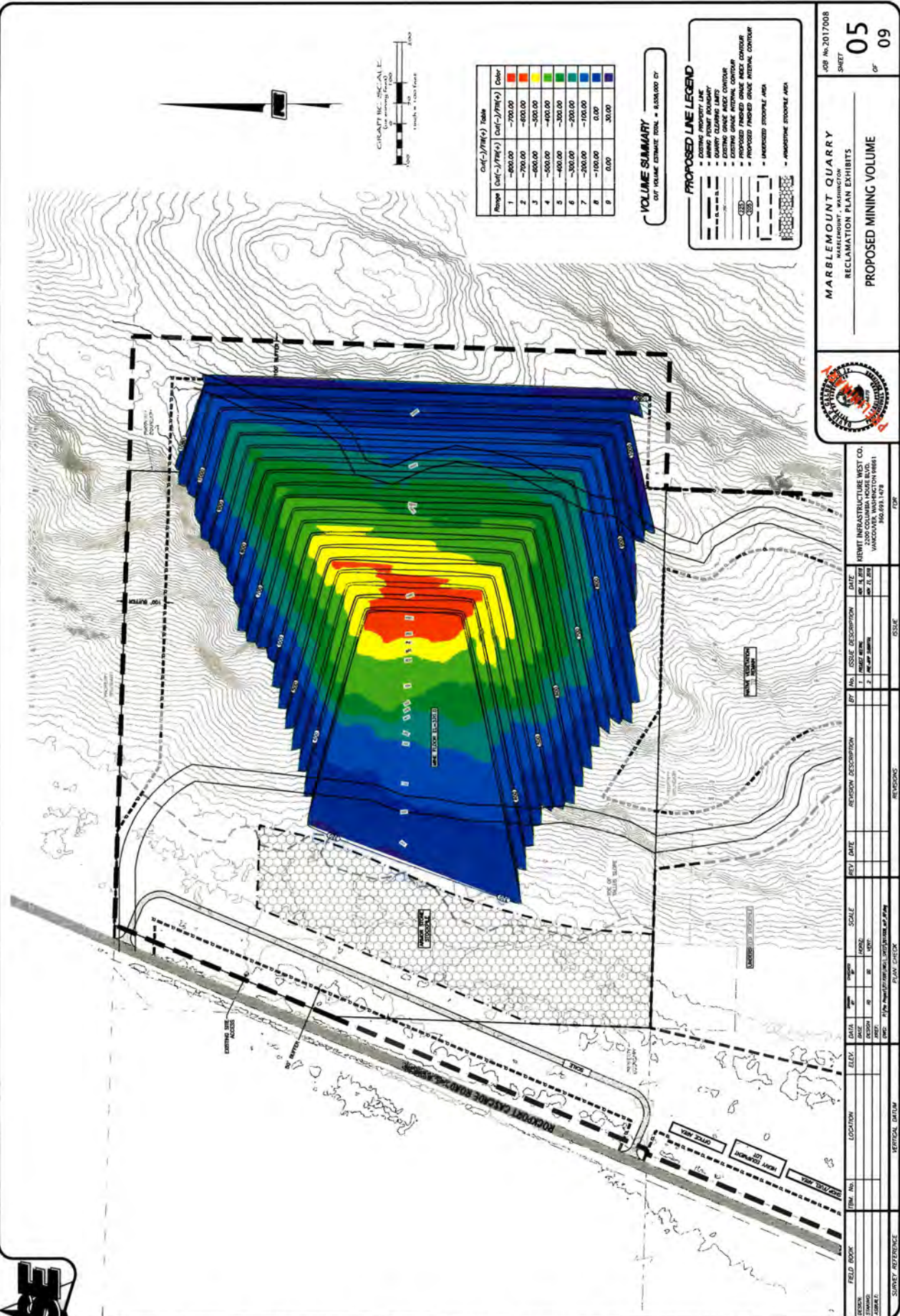
PROPOSED MINING LIMITS

JOB No. 2017008

SHEET

04

09



Range	Cut (-)/Fill (+) Table	Color
1	-800.00 to -700.00	Red
2	-700.00 to -600.00	Orange
3	-600.00 to -500.00	Yellow
4	-500.00 to -400.00	Light Green
5	-400.00 to -300.00	Green
6	-300.00 to -200.00	Dark Green
7	-200.00 to -100.00	Blue
8	-100.00 to 0.00	Dark Blue
9	0.00 to 100.00	Light Blue

VOLUME SUMMARY
CUT VOLUME EXISTING TOBL = 6,500.00 CY

- PROPOSED LINE LEGEND
- EXISTING PROPERTY LINE
 - MINING PROPERTY BOUNDARY
 - QUARRY CLEARING LIMITS
 - EXISTING SHADE INTERNAL CONTOUR
 - PROPOSED FINISHED SHADE INDEX CONTOUR
 - PROPOSED FINISHED SHADE INTERNAL CONTOUR
 - UNDESIGNED STOCKPILE AREA
 - DESIGNATED STOCKPILE AREA

JOB No. 2017008		SHEET		05		09	
MARBLEMOUNT QUARRY		RECLAMATION PLAN EXHIBITS		PROPOSED MINING VOLUME			
CLIENT: KIEWIT INFRASTRUCTURE WEST CO., 2200 COLUMBIA HOUSE BLVD., VANCOUVER, BC V6J 1A7		DATE: MAY 11, 2017		SCALE: 1" = 100'		ISSUE: 1	
PROJECT: MARBLEMOUNT QUARRY		REVISION: 1		PLAN CHECK: [Signature]		REVISIONS:	
FIELD BOOK: [Blank]		LOCATION: [Blank]		ELEVATION: [Blank]		VERTICAL DATUM: [Blank]	
DRAWN: [Blank]		CHECKED: [Blank]		APPROVED: [Blank]		SURVEY REFERENCE: [Blank]	



QUARRY BENCH X-SECTION (TYP)

FIELD BOOK	TIME No.	LOCATION	ELEV.	DATA	REVISION #	REVISION DATE	SCALE	REV. DATE	REVISION DESCRIPTION	BY	No.	ISSUE DESCRIPTION	DATE
DESIGN				DWG			NORTH						
CHECKED				DESIGN	01	01	Metric				7	PRIEST REVISION	APR 26, 2009
AUGUST?				JOB:							8	FILE ARCH RECORD	APR 28, 2009
				DWG	P:\proj\10000\10000_10000_10000_10000_10000.dwg								
SUNNY REFERENCE		VERTICAL DATUM			PLAN CHECK				REVISIONS			ISSUE	FOR



MARBLEMOUNT QUARRY
MARBLEMOUNT, WASHINGTON
RECLAMATION PLAN EXHIBITS

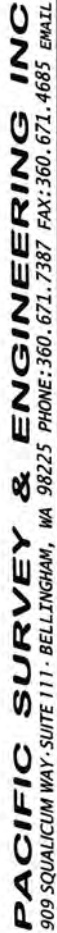
CROSS SECTION A-A

JOB No. 2017008

SHEET

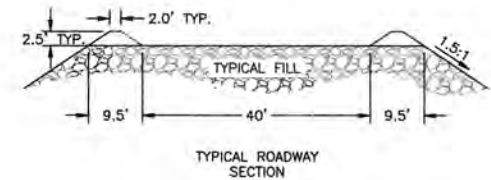
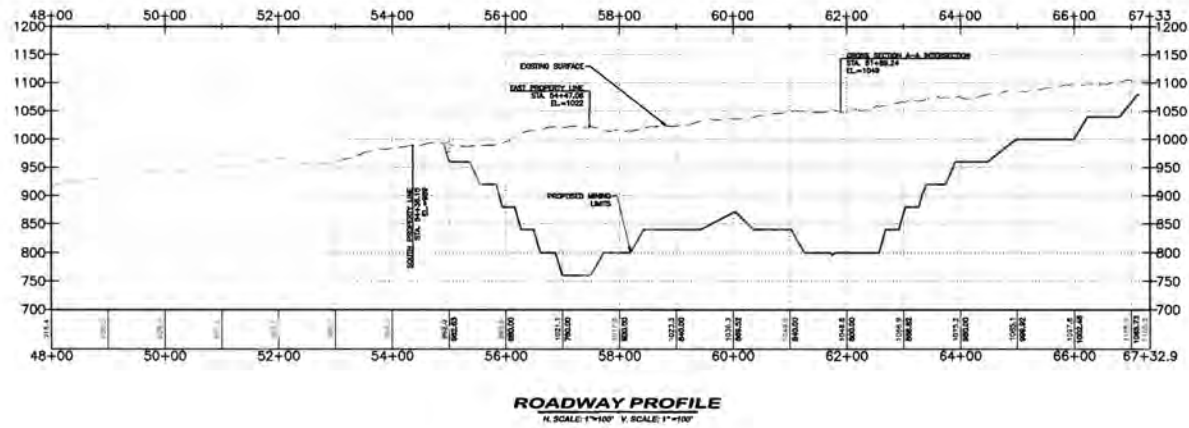
06

09



ROADWAY PROFILE

08
OF 09



FIELD BOOK	TBM. No.	LOCATION	ELEV.	DATA	POINT	SHED	SCALE	REV	DATE	REVISION DESCRIPTION	BY	No.	ISSUE DESCRIPTION	DATE
DESIGN				BASE	1"	1"	1"							
DRAWING				DESIGN	1"	1"	1"							
ASBUILT				ASBUILT	1"	1"	1"							
SURVEY REFERENCE: VERTICAL DATUM: PLAN CHECK: REVISIONS: ISSUE:														



MARBLEMOUNT QUARRY
 RECLAMATION PLAN EXHIBITS
ROADWAY PROFILE AND TYPICAL ROADWAY SECTION