Appendix F

Construction Photographs

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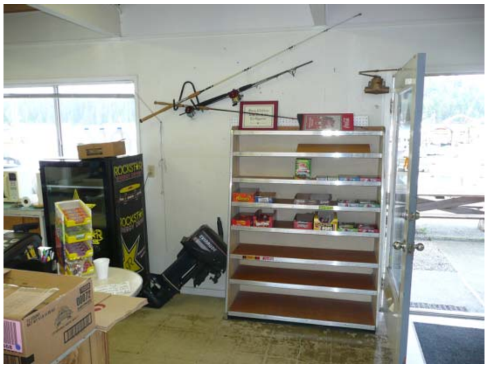
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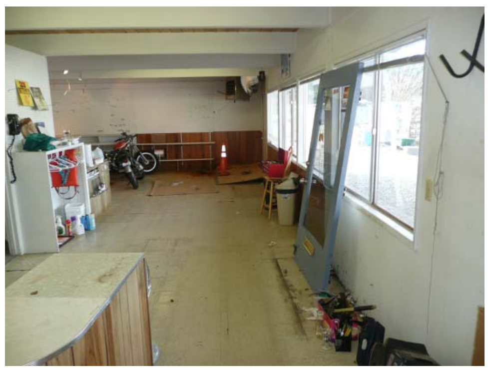

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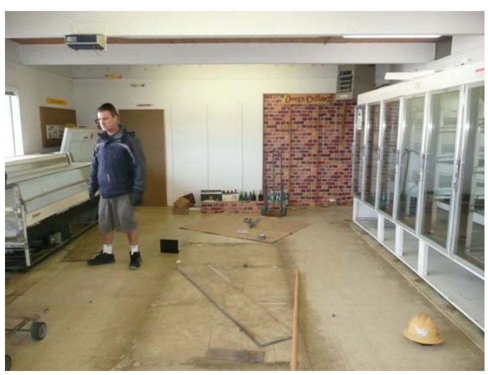

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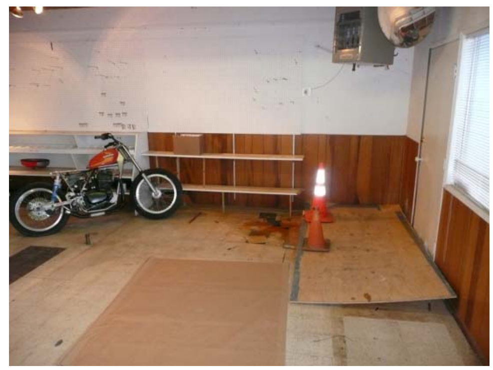
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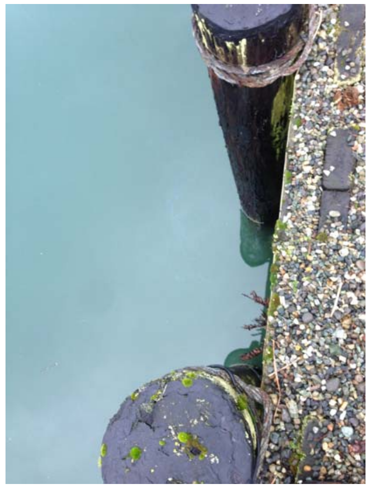

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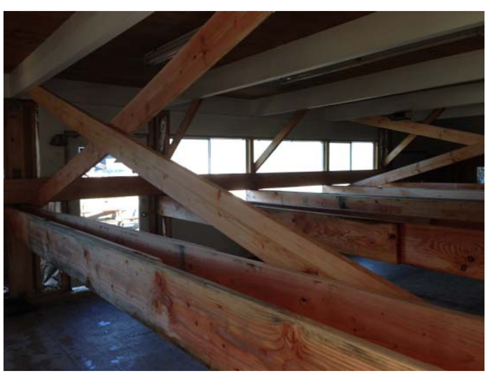

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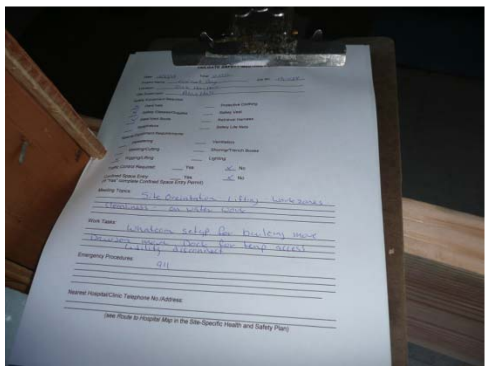
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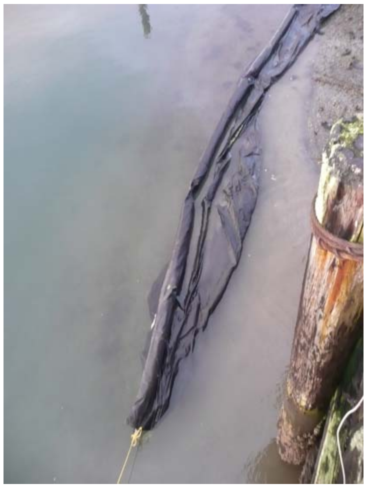

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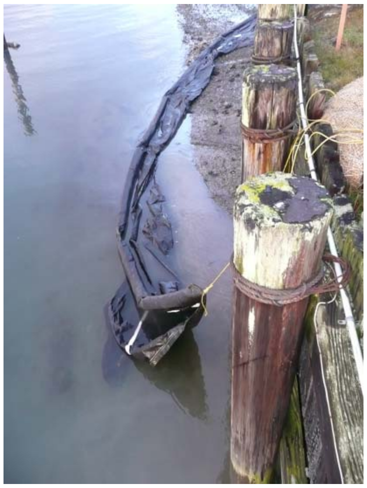

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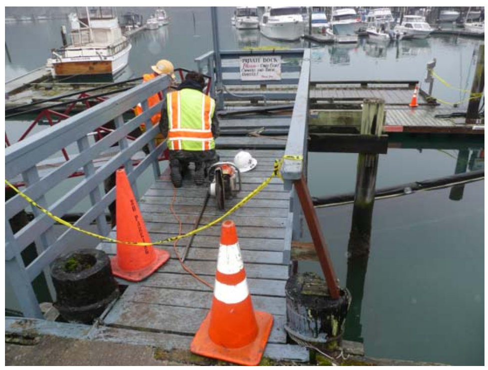

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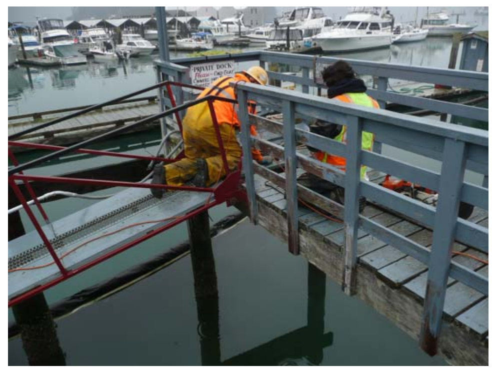

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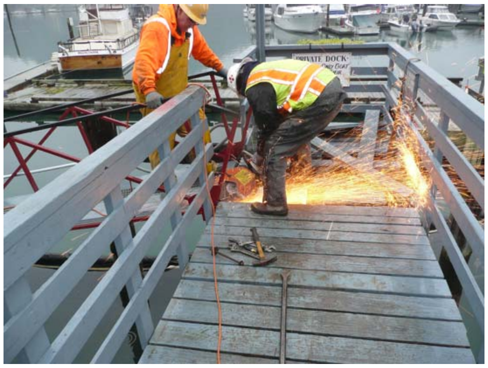

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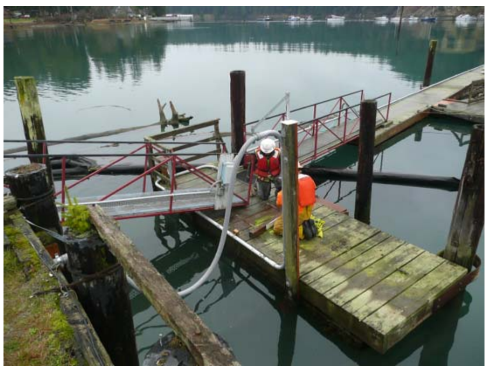
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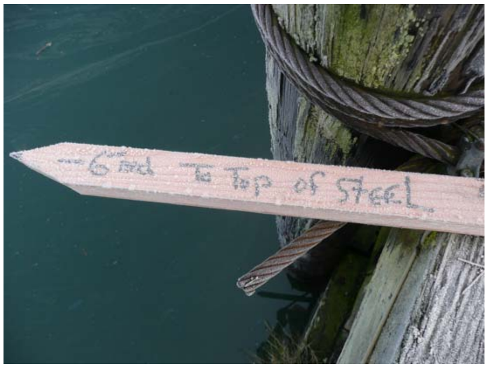

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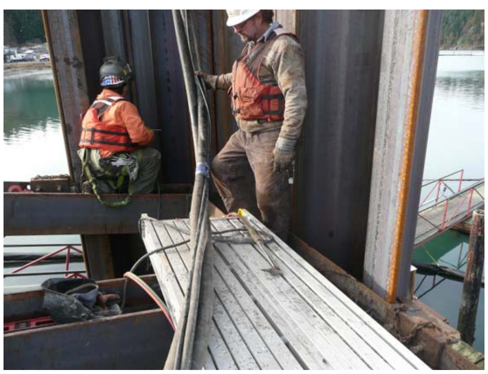

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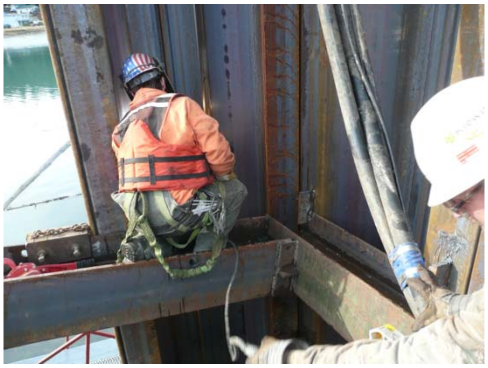
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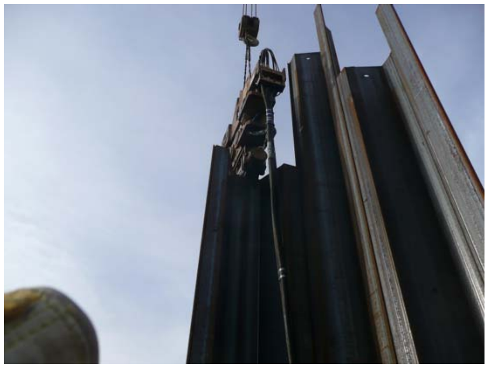
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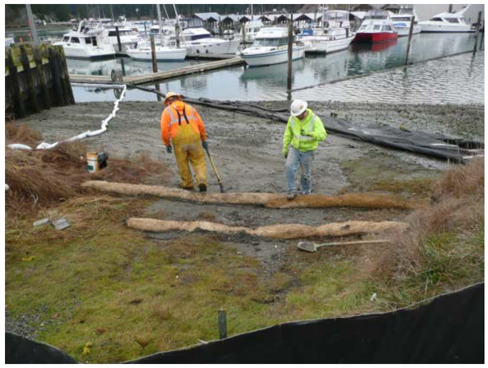
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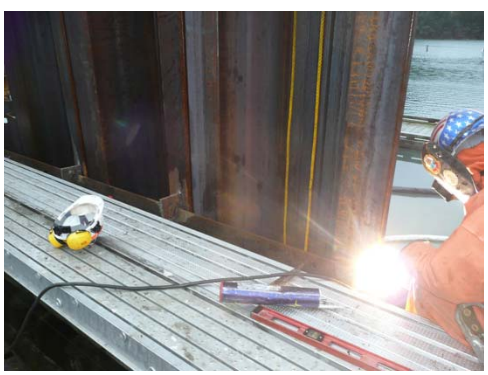

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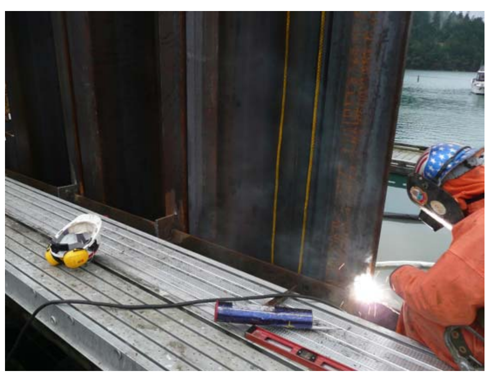

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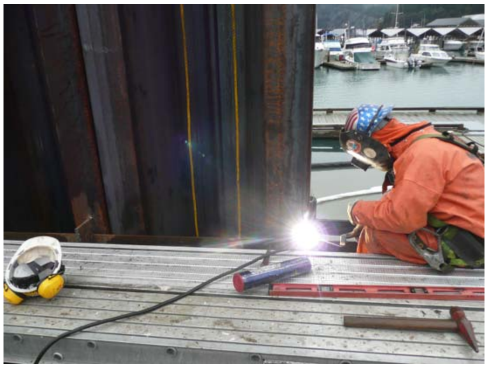

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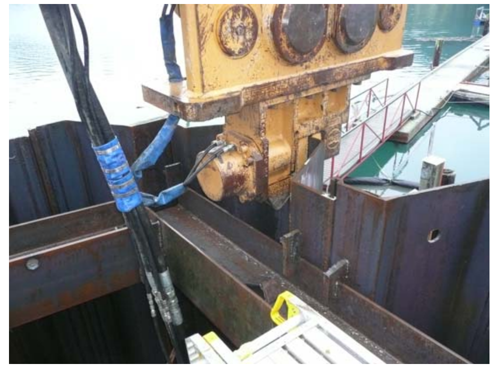

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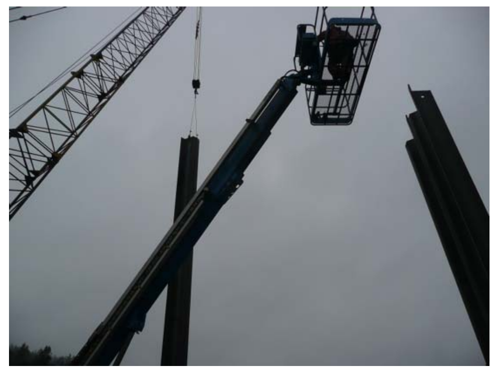

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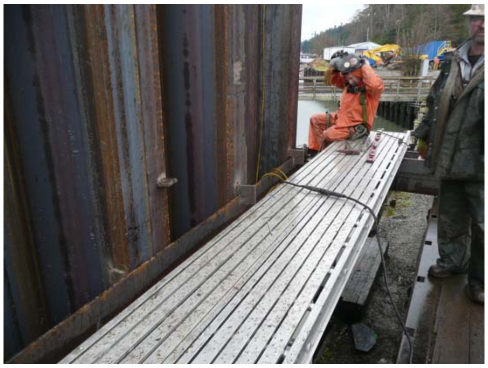

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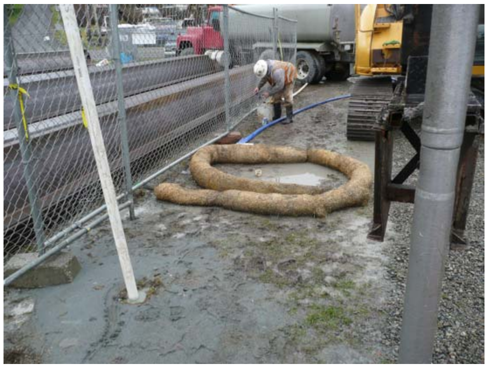

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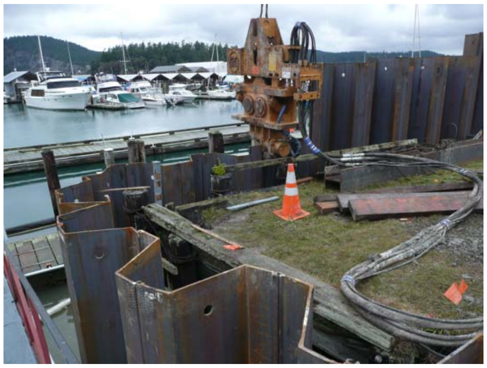
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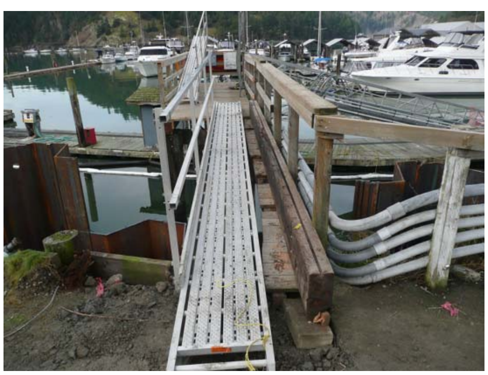

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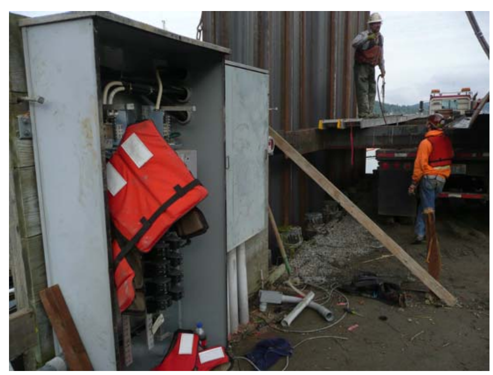

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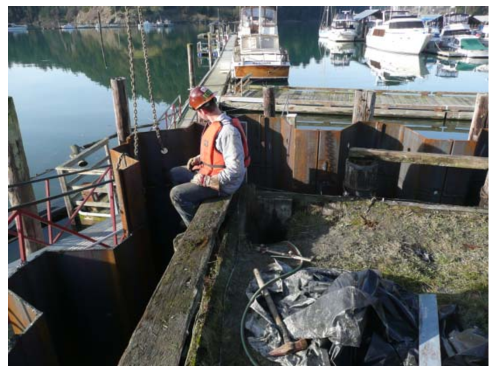
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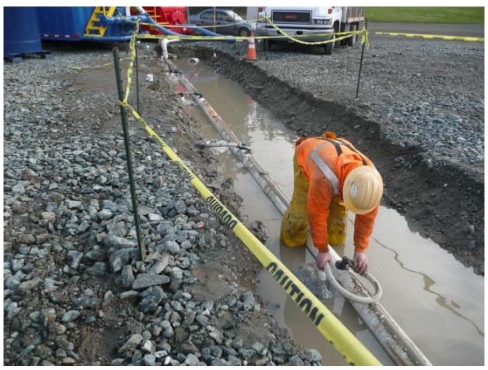

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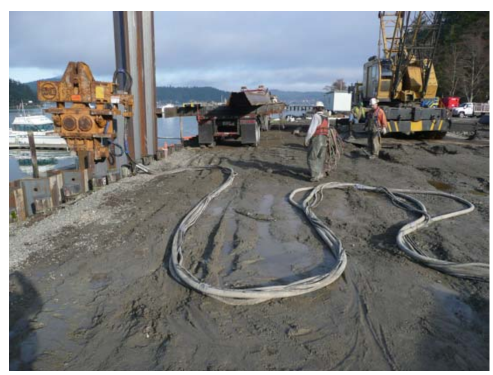

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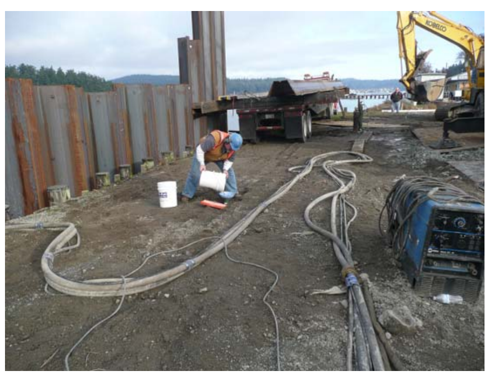
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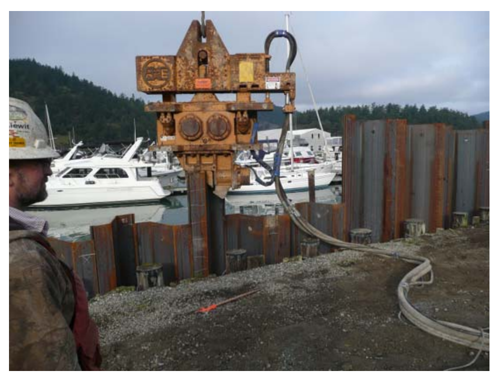
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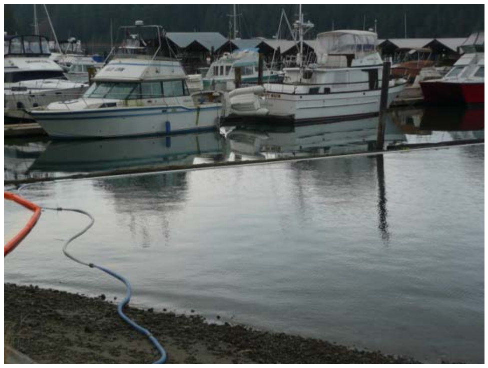

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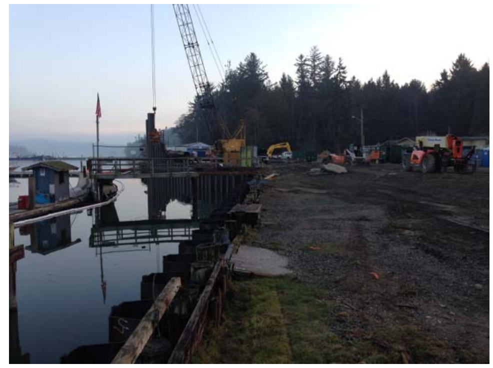
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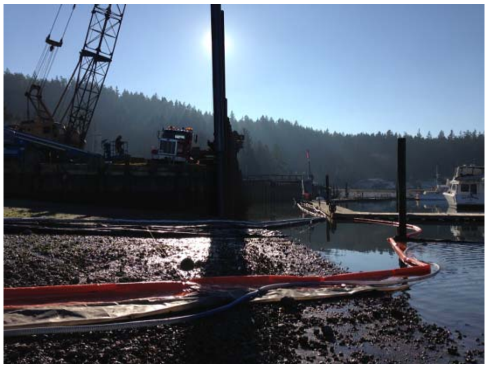
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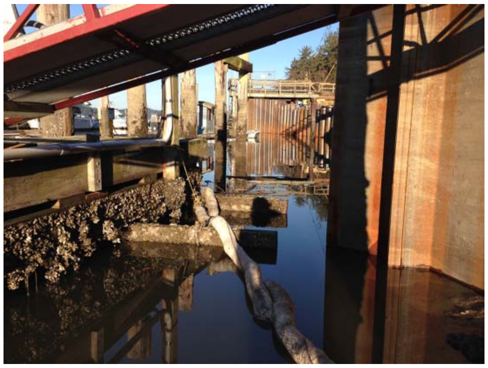

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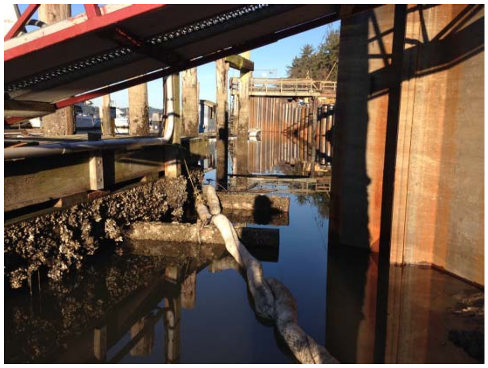

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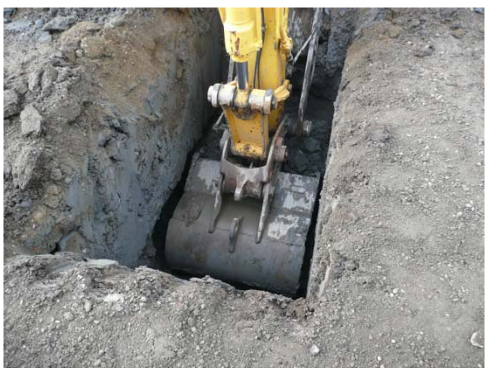

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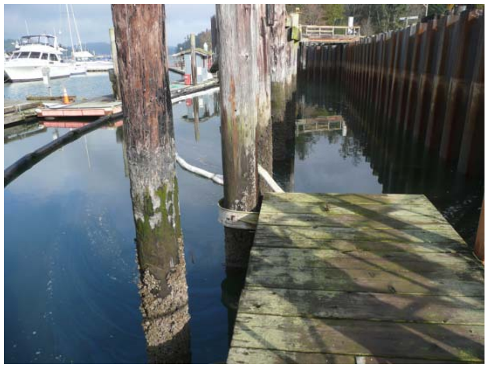
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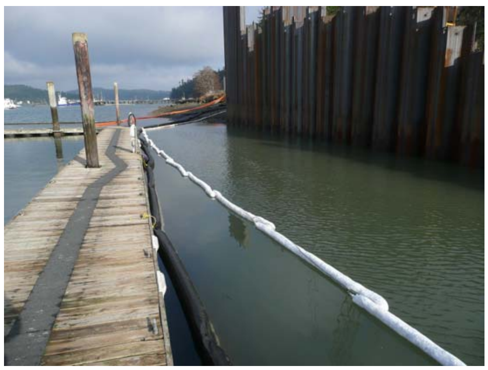
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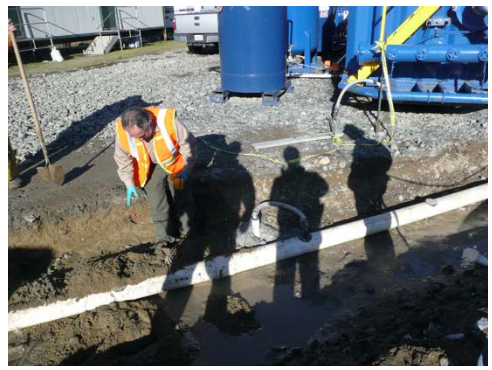
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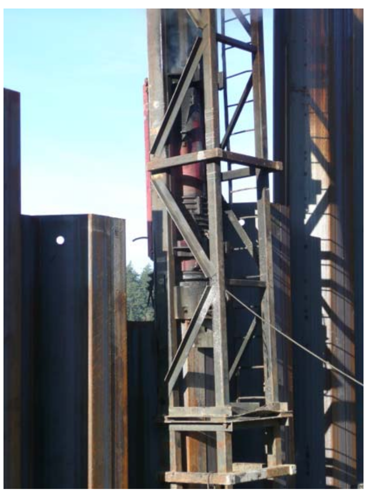
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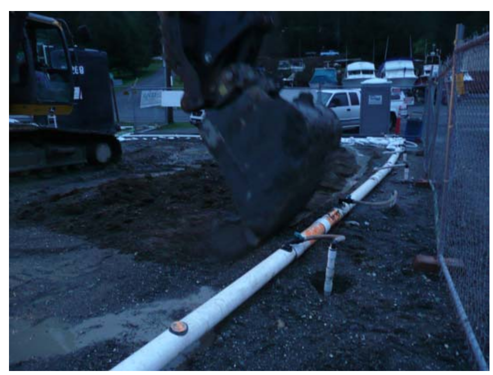

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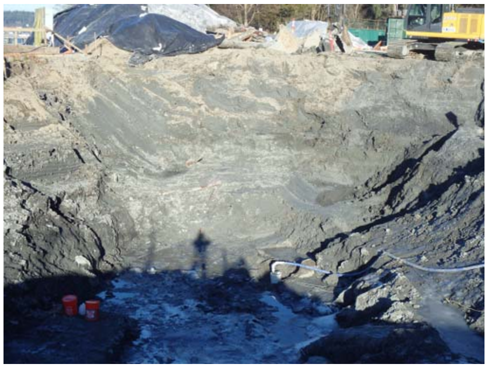

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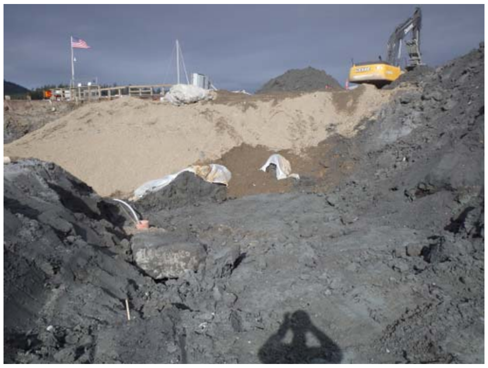
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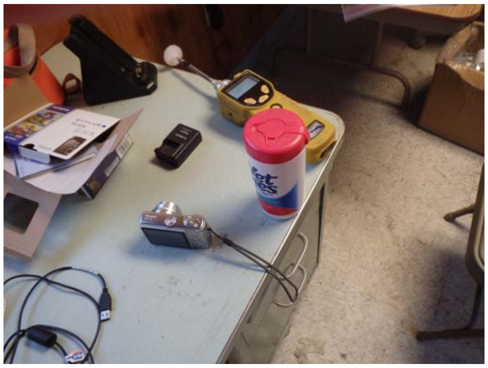
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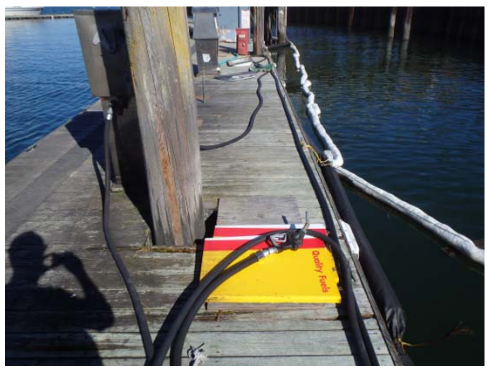
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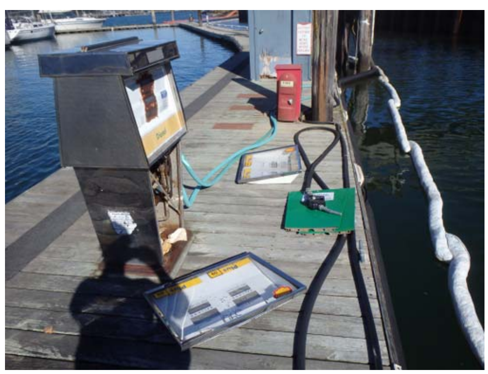
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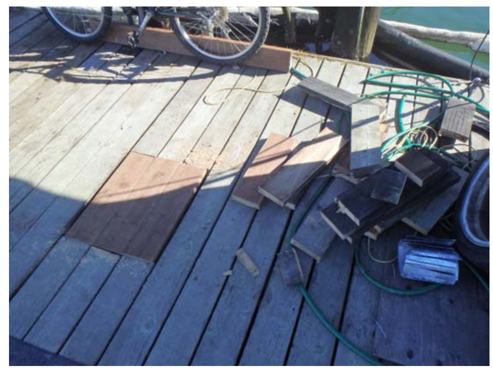

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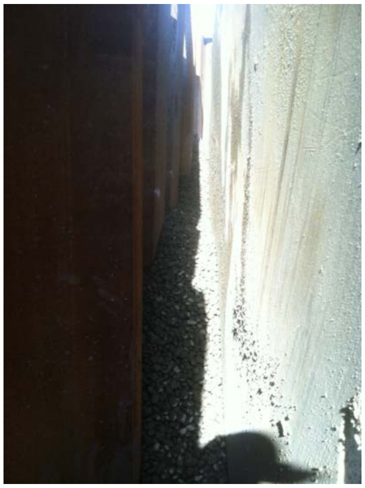

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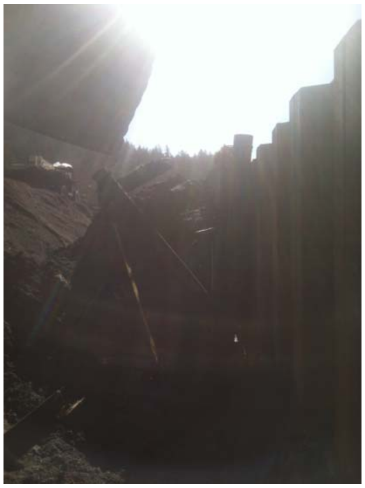

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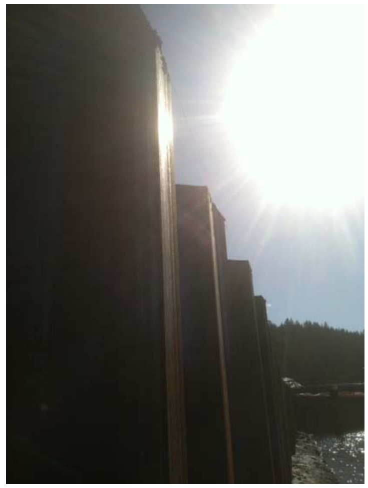

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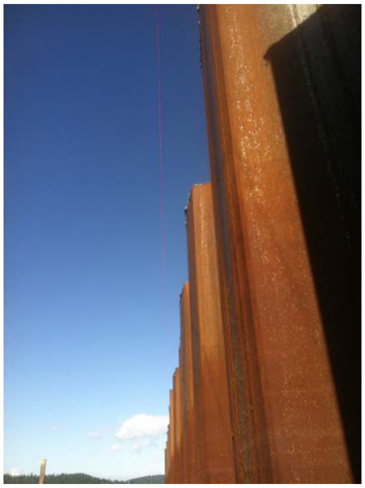

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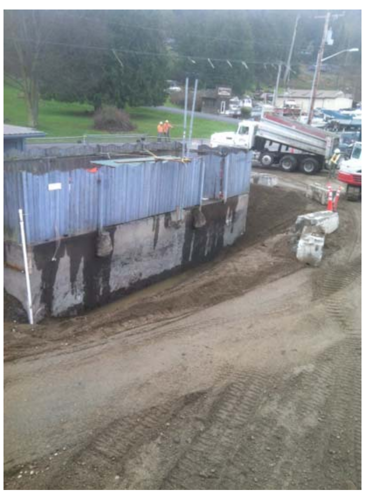

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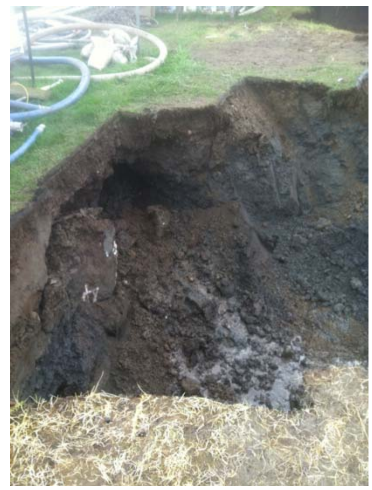
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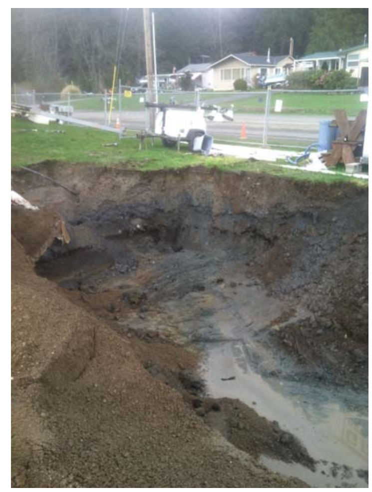
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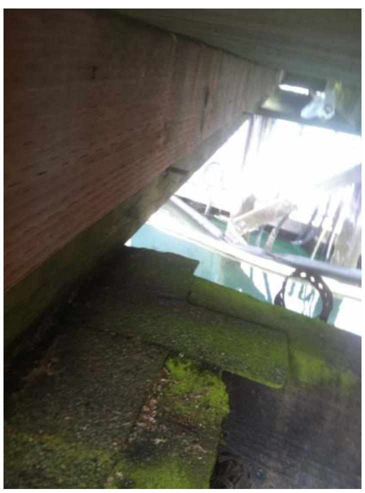

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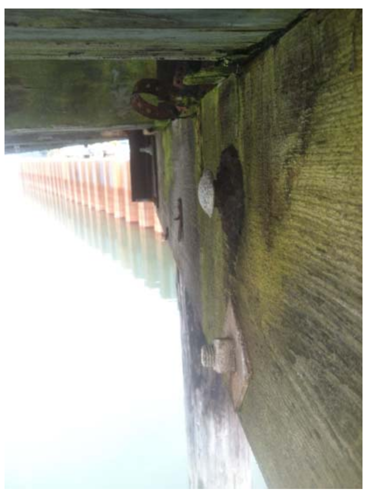

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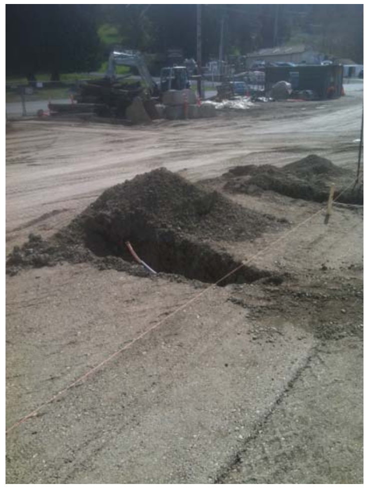
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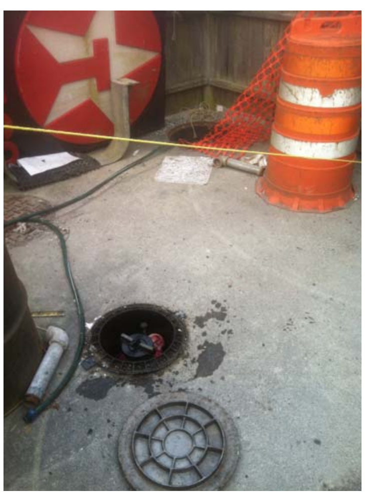
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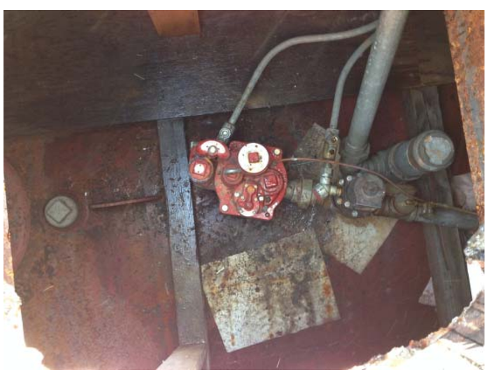
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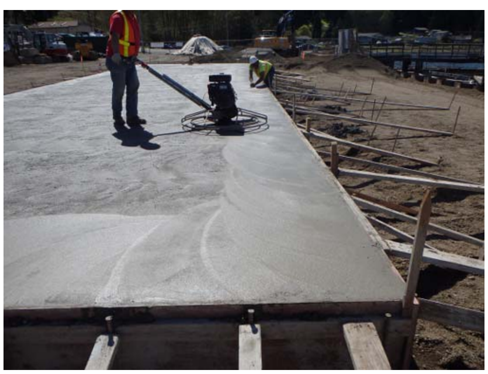
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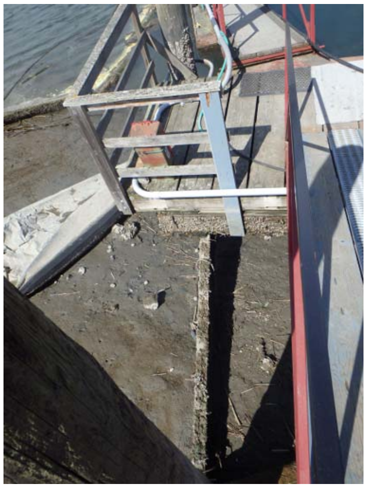

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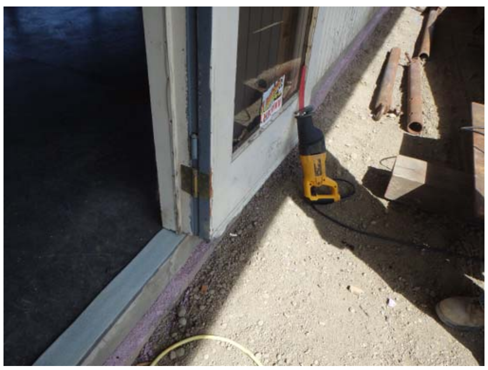

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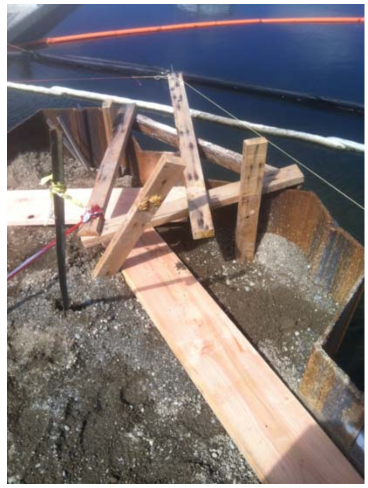

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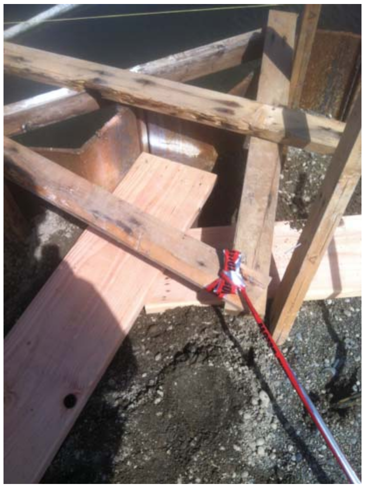

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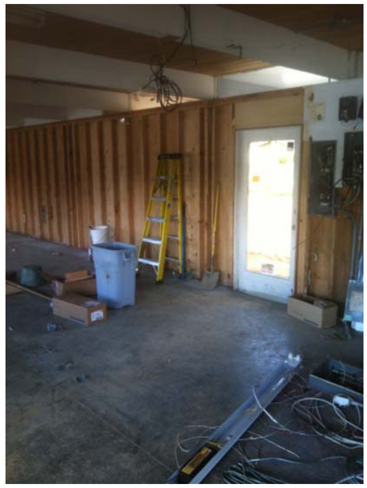
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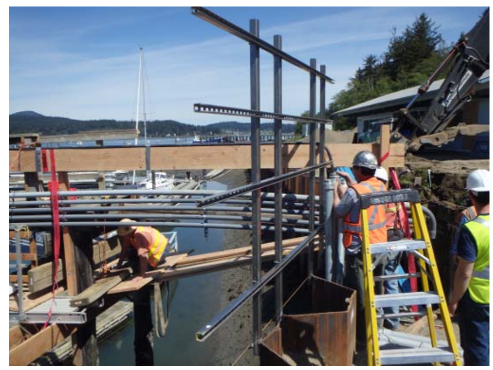
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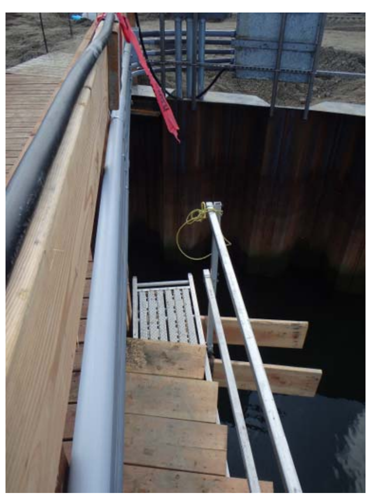

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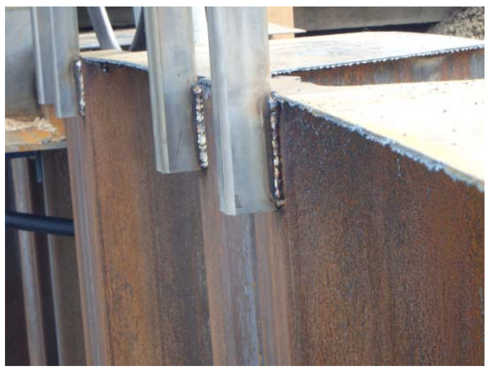
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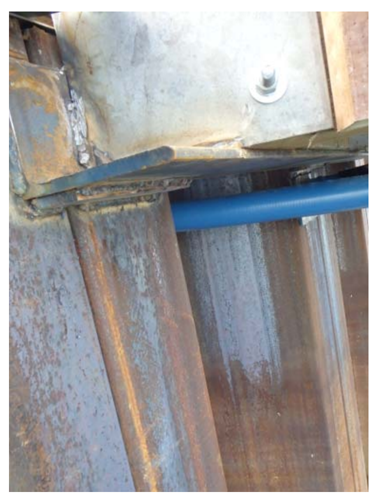
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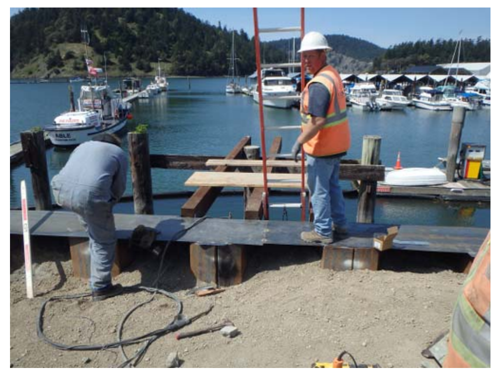
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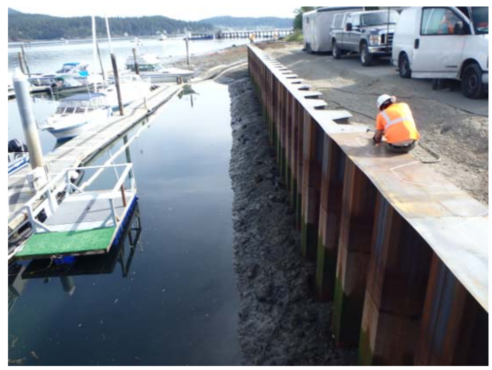
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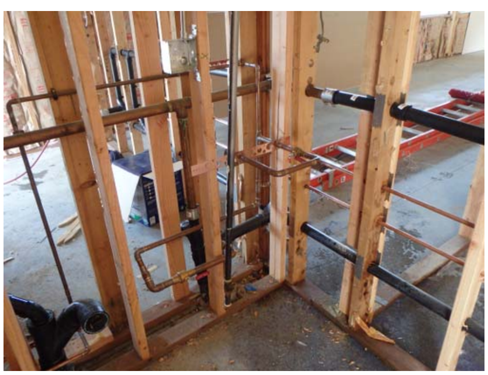

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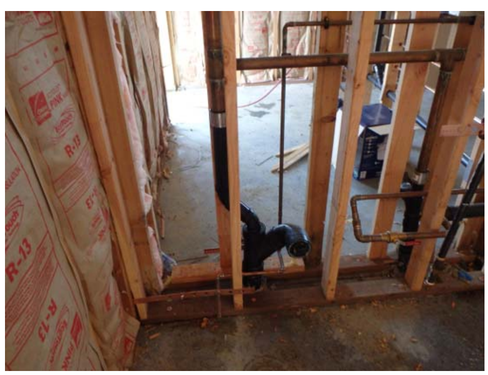

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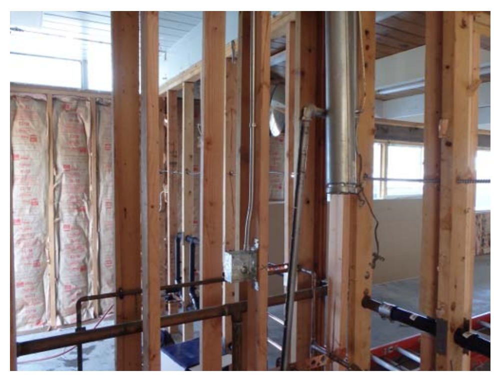

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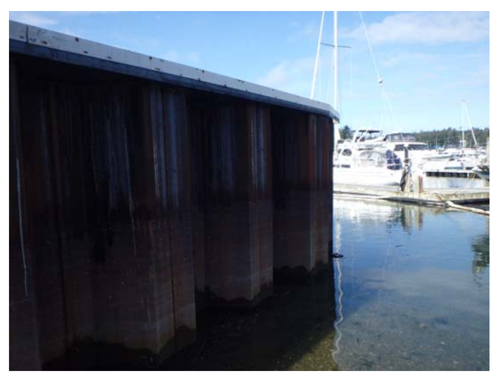

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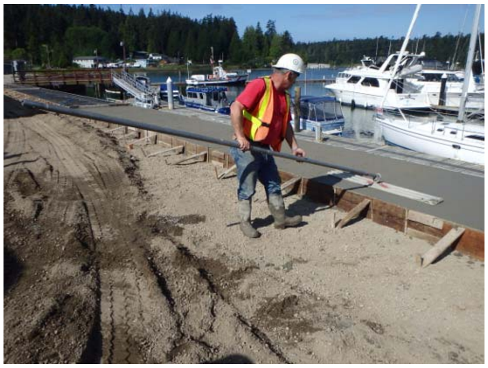
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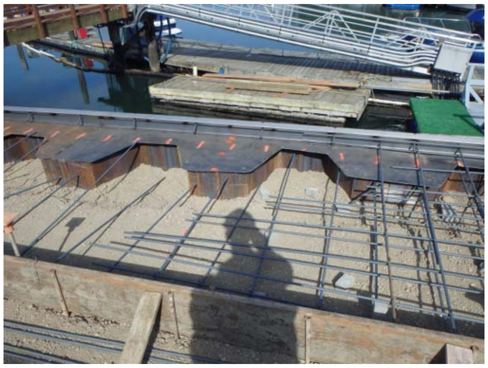
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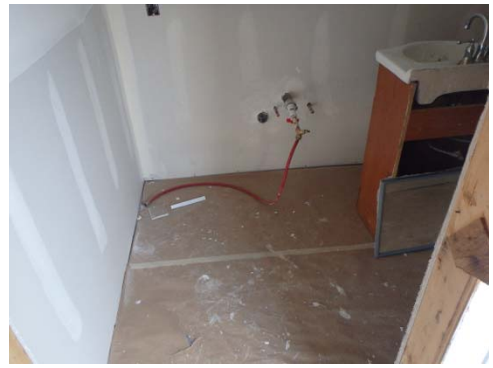

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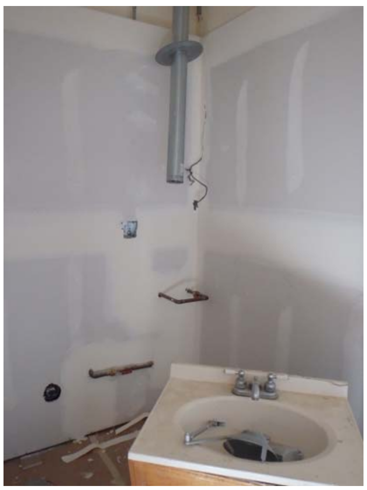

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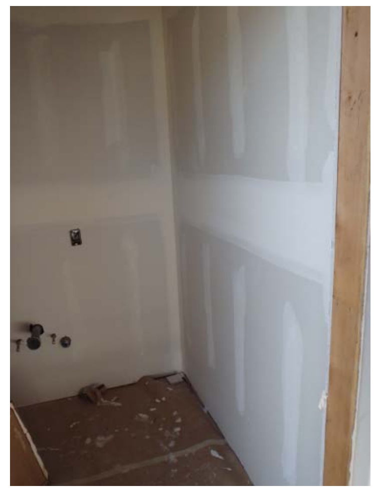

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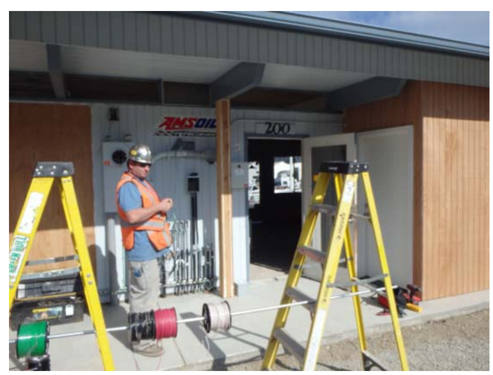

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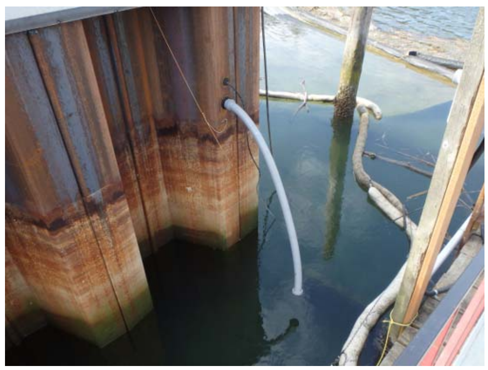
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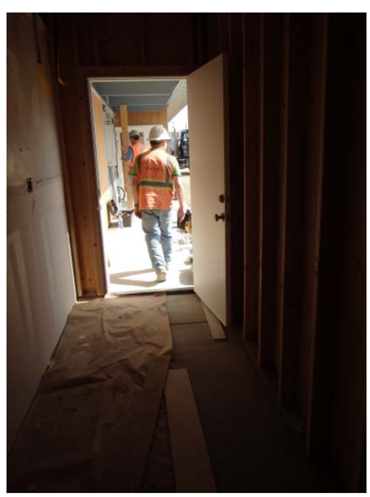

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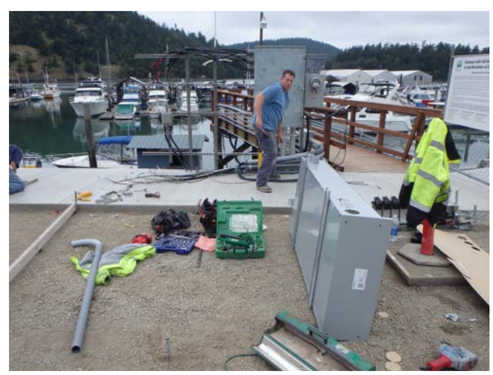

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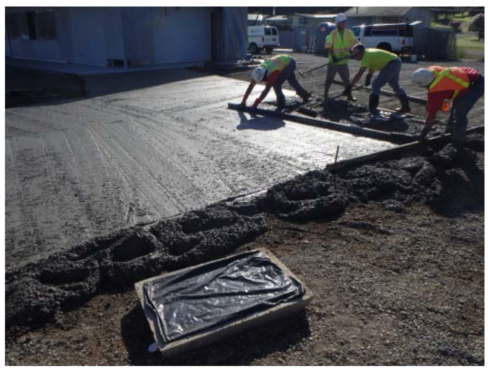
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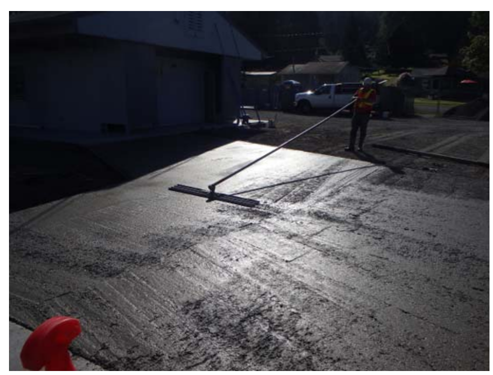
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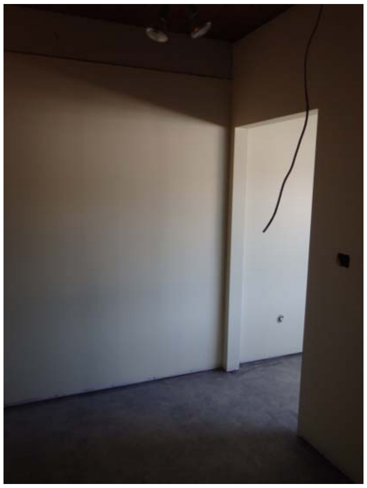
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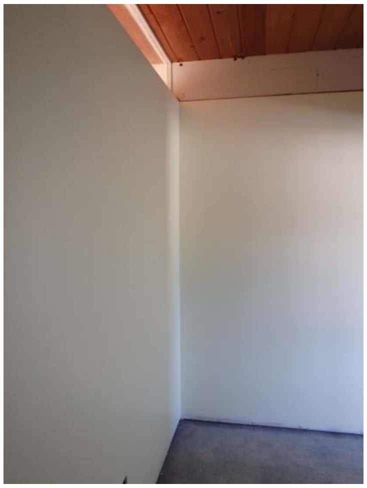
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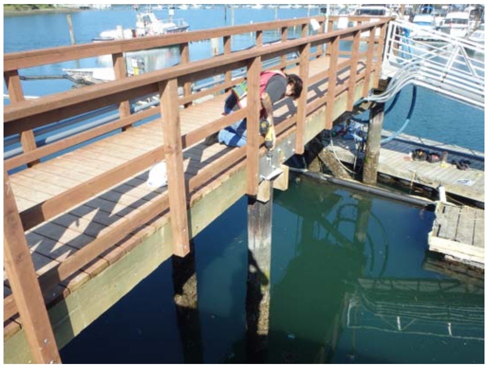
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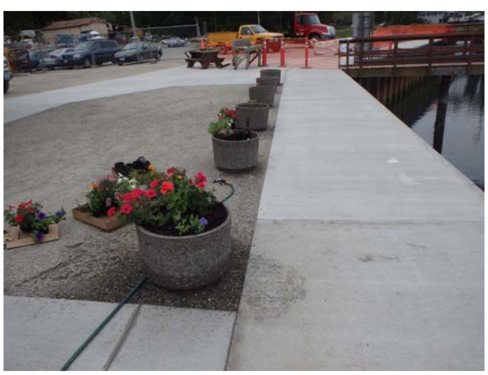

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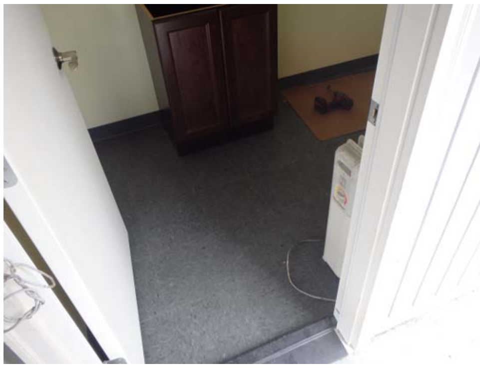

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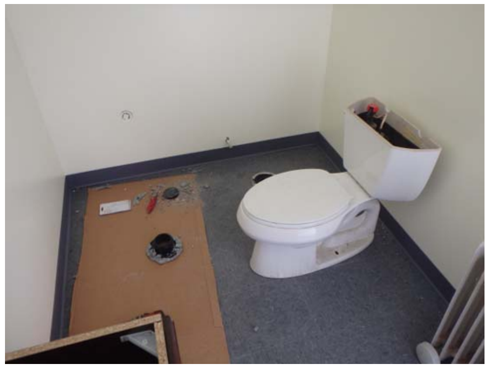

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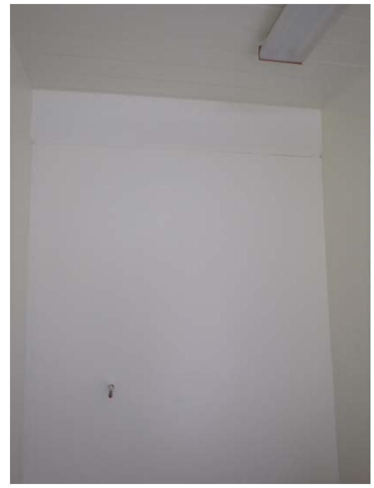

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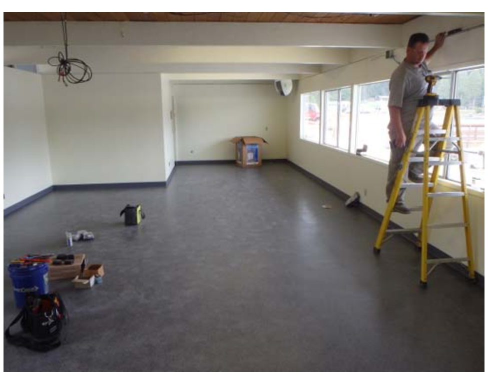
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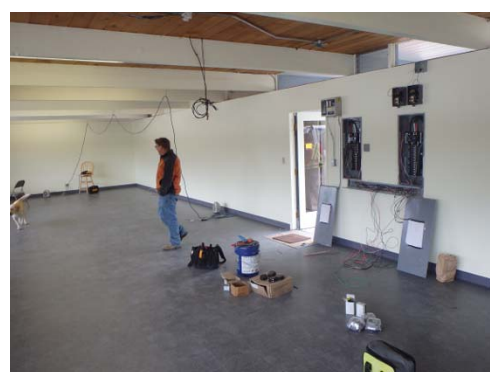
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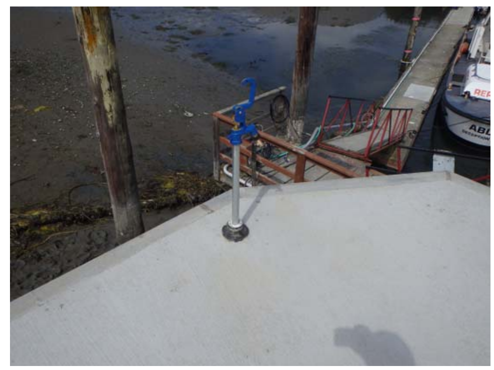
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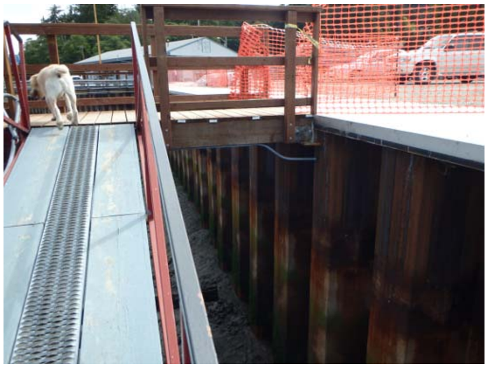
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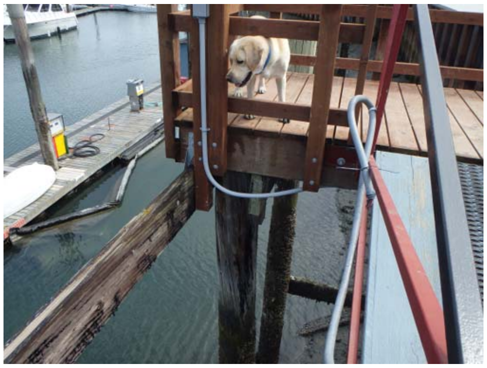
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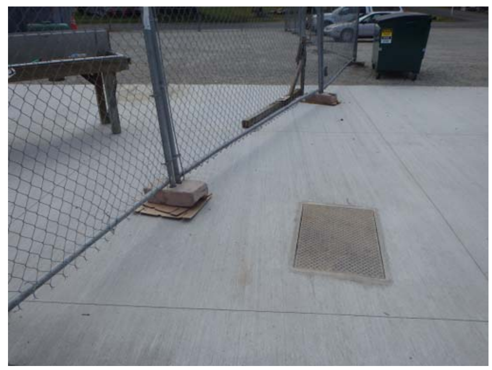
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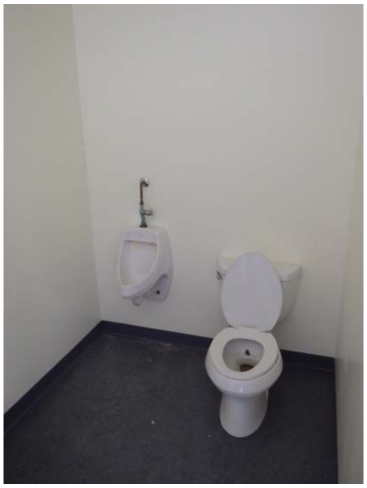
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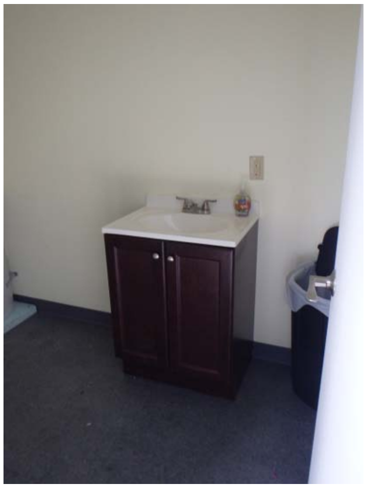
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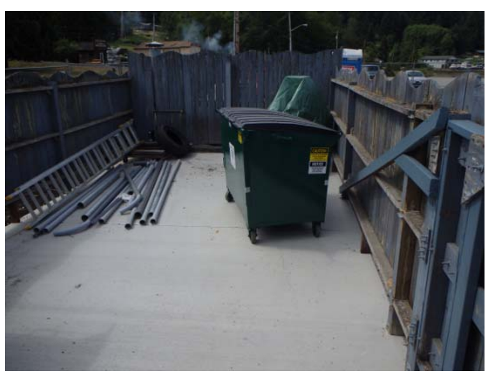
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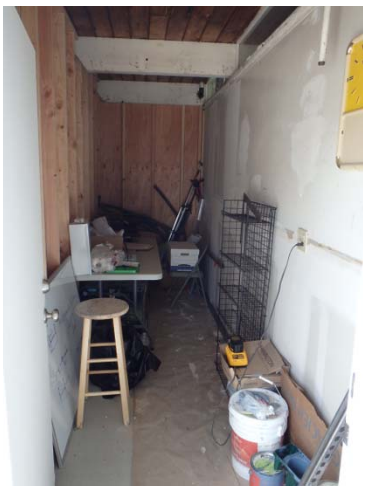

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Appendix G

Requests for Information

Request for Information No.: 1 — Kennedy/Jenks Consultants

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 12/19/13
K/J Job No.: 1396010.00
Project Name: Conret Bay Marina Remediation

Request for Information

Originator: GES, Inc.
Drawing Reference: N/A
Requested Date of Response: ASAP
Specification Section: 32 62 16 1.04 E

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

What are the requirements for the "Special Inspector for Sheet Pile"? We are required to submit these qualifications, but we are not sure which qualifications are necessary. Also, please specify which information the Special Inspector for Sheet Pile must document? Is it absolutely necessary to have a separate Special Inspector for Sheet Pile, or is it possible for a representative from either Kennedy Jenks, or Glacier Environmental Services, Inc. to perform this task?

Contractor's Proposed Method of Resolving Issue

Once the requirements for the Special Inspector for Sheet Pile have been determined, and the specific information to document has been provided, it is proposed that these tasks are completed by a representative from either Kennedy Jenks, or Glacier Environmental Services, Inc.

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☒unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☒unchanged by: ________ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: [signature]
Title: QAQC Officer
Company: Glacier Environmental Services, Inc.
Date: 12/19/13

 Kennedy/Jenks Consultants

To:	Glacier Environmental Services, Inc P.O. BOX 1097 Mukilteo, WA 98275 Eric Hay	**Page:**	1 of 1
		K/J Job No.:	1396010.00
		Project Name:	Cornet Bay Remediation
		Drawing Reference:	NA
Response Date:	01-02-14	**Specification Section:**	32 62 16 1.04 E

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue of the attached RFI No. 01. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- ☒ Make Corrections Noted (MCN)
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

No qualifications are required of the "Special Inspector for sheet pile" per code and do not need to be submitted as required in the specifications. Kennedy Jenks will provide the required personnel to observe and inspect installation of the sheet pile. Inspections will consist of confirming tip elevations and any other requirements in accordance with the specifications.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Respondent: Jarod Fisher **Signature:** ____________

Company: Kennedy Jenks Consultants **Date:** 01-02-14

Issued for Kennedy/Jenks Consultants by: Jarod Fisher

Contractor's Reply To Response:

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ Days.

Comments

Distribution	RFI	Response	REPLY
Owner	x	x	
Engineer	x	x	
Contractor	x	x	
File			

Request for Information No.: 2 **Kennedy/Jenks Consultants**

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 12/19/13
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: GES, Inc.
Drawing Reference: S-4
Requested Date of Response: ASAP
Specification Section: 33 46 16.16

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

Sheet S-4, Note 8 says: 8" BULKHEAD DRAIN WITH DISCHARGE WELLS. SEE CIVIL SHEETS FOR DRY WELL INFORMATION AND LOCATIONS. We could not find the detail for drain, dry wells, and locations.

Contractor's Proposed Method of Resolving Issue

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: _____ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: [signature]
Title: QAQC Officer
Company: Glacier Environmental Services, Inc.
Date: 9/19/13

 Kennedy/Jenks Consultants

To:	Glacier Environmental Services, Inc P.O. BOX 1097 Mukilteo, WA 98275 Eric Hay	**Page:**	1 of 1
		K/J Job No.:	1396010.00
		Project Name:	Cornet Bay Remediation
		Drawing Reference:	S-4
Response Date:	01-02-14	**Specification Section:**	33 46 16.16

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue of the attached RFI No. 02. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- ☒ Make Corrections Noted (MCN)
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

Details for the drain, dry wells, and locations are described in section 33 46 16.16 part 3. For clarification, "dry wells" noted on S-4 is the same as "Discharge Wells" described in part 3.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Respondent: Jarod Fisher **Signature:** ____________

Company: Kennedy Jenks Consultants **Date:** 12-31-13

Issued for Kennedy/Jenks Consultants by: Jarod Fisher

Contractor's Reply To Response:

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ Days.

Comments

Distribution	RFI	Response	REPLY
Owner	x	x	
Engineer	x	x	
Contractor	x	x	
File			

Request for Information No.: 3 **Kennedy/Jenks Consultants**

From:	Glacier Environmental Services, Inc. P.O. Box 1097 Mukilteo, WA 98275 Eric Hay	**Page:** **Date:** **K/J Job No.:** **Project Name:**	1 of 1 12/19/13 1396010.00 Cornet Bay Marina Remediation

Request for Information

Originator:	PSE	**Drawing Reference:**	C0A
Requested Date of Response:	ASAP	**Specification Section:**	

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

Pacific Survey and Engineering (PSE) has performed a differential level loop from National Geodetic Survey Monument "PILE" (PID#TR0300), a First Order Class II NAVD 88 benchmark through the survey points provided in the plans. The findings in the field for both control points are 0.15 feet higher than what was indicated in the plans. While this survey utilized the benchmark described above, the original survey for the plans, specifically sheet C0A, was done with GPS. Can it be assumed that the benchmark method is more accurate, and therefore, all elevations should reflect the higher value?

Contractor's Proposed Method of Resolving Issue

Replace the values of Control Point #1 and Control Point #5, as indicated in the plans on sheet C0A, with the values determined by Pacific Survey and Engineering during the benchmark survey.

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☒unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☒unchanged by: ________ days.

Attachments

Request for Information from Pacific Surveying and Engineering.

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature:	[signature]	**Title:**	QAQC Officer
Company:	Glacier Environmental, Inc.	**Date:**	12/19/13

PSE
Pacific Surveying & Engineering

1812 Cornwall Avenue ^ Bellingham, WA 98225
Phone 360.671.7387 ^ fax 360.671.4685
E-mail pse@psesurvey.com

www.psesurvey.com

Request For Information

Mr. Alan Hall

Glacier Environmental Services, Incorporated
P.O. Box 1097
Mukilteo, Washington 98275

Re: Cornet Bay Marina Remediation Survey Datum

Alan,

Pacific Survey and Engineering (*PSE*) has performed a differential level loop from National Geodetic Survey Monument "PILE" (PID#TR0300), attached, a First Order Class II NAVD 88 benchmark through the survey control points provided in the contract plans.

Our findings were as follows;

Control Point 1, MAG NAIL & WASHER on Sheet C0A shows NAVD88 GPS elevation of 13.68.

PSE NAVD88 differential elevation on Point 5, MAG NAIL & WASHER is 13.83 (0.15' higher).

Control Point 5, MAG NAIL & WASHER on Sheet C0A shows NAVD88 GPS elevation 13.25.

PSE NAVD88 differential elevation on Point 5, MAG NAIL & WASHER is 13.40 (0.15' higher).

Please advise *PSE* as to which elevations to hold for the project surveying.

Respectfully submitted,

Peter K. Brands, PLS, CFedS

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

```
PROGRAM = datasheet95, VERSION = 8.4
1        National Geodetic Survey,   Retrieval Date = DECEMBER 17, 2013
 TR0303 ***********************************************************************
 TR0303  DESIGNATION -  PILE
 TR0303  PID         -  TR0303
 TR0303  STATE/COUNTY-  WA/ISLAND
 TR0303  COUNTRY     -  US
 TR0303  USGS QUAD   -  DECEPTION PASS (1978)
 TR0303
 TR0303                         *CURRENT SURVEY CONTROL
 TR0303  ______________________________________________________________________
 TR0303* NAD 83(1986) POSITION- 48 23 49.     (N) 122 37 39.     (W)   SCALED
 TR0303* NAVD 88 ORTHO HEIGHT -      3.513  (meters)      11.53  (feet) ADJUSTED
 TR0303  ______________________________________________________________________
 TR0303  GEOID HEIGHT     -         -22.09  (meters)                   GEOID12A
 TR0303  DYNAMIC HEIGHT   -           3.514 (meters)      11.53  (feet) COMP
 TR0303  MODELED GRAVITY  -     980,855.9   (mgal)                     NAVD 88
 TR0303
 TR0303  VERT ORDER       -  FIRST     CLASS II
 TR0303
 TR0303.The horizontal coordinates were scaled from a topographic map and have
 TR0303.an estimated accuracy of +/- 6 seconds.
 TR0303.
 TR0303.The orthometric height was determined by differential leveling and
 TR0303.adjusted by the NATIONAL GEODETIC SURVEY
 TR0303.in June 1991.
 TR0303
 TR0303.The dynamic height is computed by dividing the NAVD 88
 TR0303.geopotential number by the normal gravity value computed on the
 TR0303.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 TR0303.degrees latitude (g = 980.6199 gals.).
 TR0303
 TR0303.The modeled gravity was interpolated from observed gravity values.
 TR0303
 TR0303;                    North        East    Units  Estimated Accuracy
 TR0303;SPC WA N     -    156,870.     367,160.     MT  (+/- 180 meters Scaled)
 TR0303
 TR0303                         SUPERSEDED SURVEY CONTROL
 TR0303
 TR0303  NGVD 29 (??/??/92)    2.366  (m)            7.76    (f) ADJ UNCH    1 2
 TR0303
 TR0303.Superseded values are not recommended for survey control.
 TR0303
 TR0303.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 TR0303.See file dsdata.txt to determine how the superseded data were derived.
 TR0303
 TR0303_U.S. NATIONAL GRID SPATIAL ADDRESS: 10UEU275604(NAD 83)
 TR0303
 TR0303_MARKER: DS = TRIANGULATION STATION DISK
 TR0303_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 TR0303_SP_SET: SET IN TOP OF CONCRETE MONUMENT
 TR0303_STAMPING: PILE 1939
```

```
TR0303_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
TR0303+STABILITY: SURFACE MOTION
TR0303
TR0303  HISTORY     - Date     Condition        Report By
TR0303  HISTORY     - 1939     MONUMENTED       CGS
TR0303  HISTORY     - 1952     GOOD             CGS
TR0303
TR0303                          STATION DESCRIPTION
TR0303
TR0303'DESCRIBED BY COAST AND GEODETIC SURVEY 1952
TR0303'2.7 MI SE FROM DECEPTION PASS.
TR0303'1.2 MILES SOUTH ALONG STATE HIGHWAY 1D FROM THE SOUTH END OF DECEPTION
TR0303'PASS BRIDGE, THENCE 1.5 MILES NORTHEAST ALONG CORNET BAY ROAD, ABOUT
TR0303'0.1 MILE NORTH OF THE NORTHEAST END OF THE STATE PARK DOCK, 43 FEET
TR0303'NORTHWEST OF THE CENTER LINE OF THE ROAD, 17 FEET NORTH OF THE NORTH
TR0303'END OF A GRAVEL PARKING AREA, 9 FEET SOUTHEAST OF THE HIGH WATER LINE,
TR0303'1.8 FEET NORTH OF A WITNESS POST, ABOUT LEVEL WITH THE ROAD, AND SET
TR0303'IN THE TOP OF A CONCRETE POST PROJECTING 1.5 FEET ABOVE THE GROUND.

*** retrieval complete.
Elapsed Time = 00:00:03
```

To:	Glacier Environmental Services, Inc P.O. BOX 1097 Mukilteo, WA 98275 Eric Hay	**Page:**	1 of 1
		K/J Job No.:	1396010.00
		Project Name:	Cornet Bay Remediation
		Drawing Reference:	C0A
Response Date:	01-02-14	**Specification Section:**	NA

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue of the attached RFI No. 03. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☒ No Exceptions Taken (NET)
- ☐ Make Corrections Noted (MCN)
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

Use Contractor's proposed method of resolution: Use Pacific Survey and Enginner NAVD88 bench loop elevations from survey conducted for control points #1 and #5. Elevations increase approximately 0.15 feet from those indicated on plans.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Respondent:	Jarod Fisher	**Signature:**	
Company:	Kennedy Jenks Consultants	**Date:**	01-02-14

Issued for Kennedy/Jenks Consultants by: Jarod Fisher

Contractor's Reply To Response:

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: _________ Days.

Comments

Distribution	RFI	Response	REPLY
Owner	x	x	
Engineer	x	x	
Contractor	x	x	
File			

From: Barry Unema <BUnema@psesurvey.com>
Sent: Thursday, December 19, 2013 7:43 AM
To: Alan Hall
Cc: Pete Brands; Dick Guglomo
Subject: RE: Request for Information

Alan,
Thank you for the response to our Request for Information.
We will hold elevation 13.83 on point 1 and 13.40 on point 5.
We have scheduled a crew to perform the initial survey on Monday December 23.
We plan to locate building corners and existing finish floor also.
Barry

From: Alan Hall [mailto:AlanH@glacierenviro.com]
Sent: Thursday, December 19, 2013 5:03 AM
To: Barry Unema
Subject: FW: Request for Information

Here is the email rely to our RFI, does this make sense to you?

C. Alan Hall
Glacier Environmental Services, Inc

From: Dick Guglomo [mailto:]
Sent: Wednesday, December 18, 2013 6:57 AM
To: Alan Hall
Cc: Jarod Fisher; Ty Schreiner; Sato, Brian (ECY)
Subject: RE: Request for Information

Alan, let's use the BM that provides the highest elevations at the marina. We recently found out that the maximum elevation of sea water on the water side of the new bulkhead is elevation 13.0. Our top of wall is 14.0 so using the BM giving us the highest elevations at the marina is desirable.

R

Richard C. Guglomo, P.E. | **Principal**
Kennedy/Jenks Consultants
32001 32nd Avenue South, Suite 100 | Federal Way, WA 98001
P: 253.835.6400 | F: 253.952.3435 | Direct: 253.835.6405 | Cell: 206-419-7075
Kennedy/Jenks Consultants

From: Ty Schreiner
Sent: Tuesday, December 17, 2013 6:22 PM

To: Dick Guglomo
Cc: Jarod Fisher
Subject: FW: Request for Information

Dick - FYI

From: Alan Hall [mailto:AlanH@glacierenviro.com]
Sent: Tuesday, December 17, 2013 6:08 PM
To: Jarod Fisher; Ty Schreiner
Cc: Lauren Miles-Golembiewski; Steve Miles
Subject: FW: Request for Information

My Surveyor has the following RFI.

We have not yet established a form for RFI's yet but I feel this is important and so I will forward this to you two for now an do an official RFI after talking with Jarod tomorrow.

Thanks

C. Alan Hall
Glacier Environmental Services, Inc

From: Pete Brands [mailto:PBrands@psesurvey.com]
Sent: Tuesday, December 17, 2013 6:03 PM
To: Alan Hall
Cc: Lauren Miles-Golembiewski; Barry Unema
Subject: Request for Information

Alan,

As discussed on the phone, there is a difference between the NAVD88 elevations on the plan set, and the NAVD88 elevations from a nearby National Geodetic Survey Control Point. The difference is 0.15', and is consistently different. Please submit the attached pdf as a request for information/clarification with regard to which NAVD88 the owner would like to use on the project.

Feel free to contact me or Barry with any questions or comments.

Best Regards

Peter K. Brands, PLS, CFedS
Survey Manager, Principal
pbrands@psesurvey.com

Pacific Surveying & Engineering, Inc.
1812 Cornwall Avenue, Bellingham, WA 98225
ph 360.671.7387 fax 360.671.4685
www.psesurvey.com

Request for Information No.: 4

Kennedy/Jenks Consultants

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 12/31/13
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental
Drawing Reference: Sheet E3
Requested Date of Response: ASAP
Specification Section:

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

Our approach to maintaining power at the docks requires relocation of the new MDP from the current location. We would like to place the new one about 40 feet west of the current MDP location (about where the fish station is now). The fish station would be relocated to where the current MDP is located. This idea was not objected at the pre-con. Does the building owner or Ecology have any objection to going forward with this plan?

Contractor's Proposed Method of Resolving Issue

Delete or replace this text with your response. Space is limited; attach additional sheets if necessary.

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☒unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☒unchanged by: ________ days.

Attachments

Also, can we place a junction box on the existing main dock where we are cutting the dock for tie-in of temp and final power? The specification does not detail the restoration of the dock conduits. We would also like to add a junction box at the E dock so that we do not need to run temporary cable all the way to the current termination point.

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: ____________
Title: QAQC Officer
Company: Glscier Environmental Services, Inc,
Date: 12/31/13

 Kennedy/Jenks Consultants

To:	Glacier Environmental Services, Inc P.O. BOX 1097 Mukilteo, WA 98275 Eric Hay	**Page:**	1 of 1
		K/J Job No.:	1396010.00
		Project Name:	Cornet Bay Remediation
		Drawing Reference:	E3
Response Date:	01-02-14	**Specification Section:**	NA

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue of the attached RFI No. 04. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- ☒ Make Corrections Noted (MCN)
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

Exchanging locations between the fish cleaning station and new main distribution panel (MDP) is acceptable. Provide a signed statement with discriptiong of the proposed change that this is acceptable to the property owner prior to constructing the new electrical distribution system.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Respondent: Jarod Fisher **Signature:**

Company: Kennedy Jenks Consultants **Date:** 01-02-14

Issued for Kennedy/Jenks Consultants by: Jarod Fisher

Contractor's Reply To Response:

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ______ Days.

Comments

Distribution	RFI	Response	REPLY
Owner	x	x	
Engineer	x	x	
Contractor	x	x	
File			

Request for Information No.: 5 — Kennedy/Jenks Consultants

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Lauren Golembiewski

Page: 1 of 1
Date: 1/13/14
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental **Drawing Reference:** S4

Requested Date of Response: ASAP **Specification Section:**

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

The Pile Driving subcontractor has provided a material with a greater section modulus than specified, AZ38 700N. Does this increased section modulus have any effect on the requirement or design of the MSE wall?

Contractor's Proposed Method of Resolving Issue

Eliminate the MSE wall

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☒decreased ☐unchanged by: $20,000.00

Estimated Contract Time will be ☐increased ☐decreased ☒unchanged by: ______ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: [signature] **Title:** President

Company: Glacier Environmental Services, Inc. **Date:** 12/31/13

Glacier Environmental Services, Inc.

Submittal Date:	13 January 2014		
Response Date:	16 January 2014	**K/J Job No.:**	1396010.00
Specification Section:	31 32 29 & 29.13	**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:	S4		

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- X **No Exceptions Taken (NET)**
- ☐ Make Corrections Noted (MCN)
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

We accept this recommendation to eliminate the MSE Wall. Please note that the MSE wall was included as part of the new steel sheet pile bulkhead construction to provide a higher safety factor against wall failure. The bulkhead steel sheets that were delivered to the site were AZ38-700N having a section modulus of 70.6 inches cubed per foot versus the required AZ36-700N design section modulus of 66.8 inches cubed per foot. The increased safety factor provided by the AZ38-700N sheets provides an additional safety factor that makes elimination of the MSE wall acceptable. With the elimination of the MSE wall, a Change Order will be prepared to eliminate the MSE wall, reduce the cost of the project by the $20,000 as indicated in your Schedule of Values at Bid Item 4 line 8. A revised sheet S4 is being prepared and will be forwarded as soon as available.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company: Kennedy/Jenks Consultants	**Date:** 16 January 2014
Issued for Kennedy/Jenks Consultants by: Richard C. Guglomo	

Estimated Contract Cost will be ☐increased X **decreased** ☐unchanged by:	$20,000	
Estimated Contract Time will be X **increased** ☐decreased ☐unchanged by:	2	Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Richard C. Guglomo, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

From:	Glacier Environmental Services, Inc. P.O. Box 1097 Mukilteo, WA 98275 Eric Hay	**Page:**	1 of 1
		Date:	2/4/14
		K/J Job No.:	1396010.00
		Project Name:	Cornet Bay Marina Remediation

Request for Information

Originator:	Glacier Environmental	**Drawing Reference:**	
Requested Date of Response:	ASAP	**Specification Section:**	31 20 00

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

During the excavation of overburden material in Area 2, we encountered small pockets of contaminated soil. This material has been hauled to the contaminated soil stockpile on the site. The additional truck loads generated have been documented.

Contractor's Proposed Method of Resolving Issue

We propose that the additional cubic yards of contaminated soils, as determined through the documented truck loads, be deducted from the surveyed overburden quantity for Area #2 (UB1 Excavate Uncontaminated Soil and Stockpile). This will be tracked as contaminated soil, and paid through UB4 - Excavate Contaminated Soil and Stockpile, and UB5 Load-Transport and Dispose of Contaminated Soil.

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ______ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature:		**Title:**	QAQC Officer
Company:	Glacier Environmental Services, Inc.	**Date:**	2/4/14

Glacier Environmental Services, Inc.

Submittal Date:	4 February 2014		
Response Date:	7 March 2014	**K/J Job No.:**	1396010.00
Specification Section:	01 20 00, 31 20 00	**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:			

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- **X Make Corrections Noted (MCN)**
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

The overburden quantity removed from Area 02 was measured by in-place survey volume per the specifications, section 01 20 00. This quantity was 1,377 cubic yards. However, 19 single Concrete Nor'west truckloads were removed from this quantity and placed in the contaminated soil stockpile. Kennedy/Jenks and Glacier agreed that each truck load contained approximately 11 cubic yards of material. A total of 209 cubic yards was removed from the Area 02 overburden quantity = 1,168 cubic yards. Additionally, Area 01 stockpile survey amount was 81 cubic yards. Glacier reduced this to 64 cubic yards to account for the increase in volume from bank to loose cubic yards. The total clean overburden quantity removed = 1,232 cubic yards. This is 17.6 % of the estimated 7,000 cubic yards for overburden of the project. Glacier has invoiced a total of 20% for bid item 04-02 as of Application for Payment No. 2 for January, 1/31/2014. RFI 7 proposes using UB items 1, 4, and 5 for tracking and invoicing. As discussed above, no UB items were invoiced for December or January billing. It is understood that these amounts were billed per the specifications and Schedule of Value items 04-02 – Excavation Uncontaminated Soil and Stockpile (7,000 cy), 04-04 – Excavate Contaminated Soil and Stockpile (19,300 Tons), and 04-05 Loadout, Haul, and Dispose of Contaminated Material (19,300 tons).

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company: Kennedy/Jenks Consultants	**Date:** 7 March 2014
Issued for Kennedy/Jenks Consultants by: Jarod Fisher	

Estimated Contract Cost will be ☐increased ☐ decreased **x unchanged** by:		
Estimated Contract Time will be ☐ increased ☐ decreased **x unchanged** by:		Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Richard C. Guglomo, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 2/4/14
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental **Drawing Reference:** C-6

Requested Date of Response: ASAP **Specification Section:**

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

After excavating Unit 2 to depth, and completing the survey, a contaminated soil layer has been discovered which extends under the overburden of the area directly adjacent to it. This contaminated soil must be chased, and the overburden material above it must be excavated.

Contractor's Proposed Method of Resolving Issue

We propose that, to determine the quantity of the overburden material for payment, Glacier Environmental and Kenedy Jenks will measure the area with a tape and calculate the cubic yardage.

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: ____________ **Title:** QAQC Officerq

Company: Glacier Environmental **Date:** 2/4/14

Glacier Environmental Services, Inc.

Submittal Date:	4 February 2014		
Response Date:	7 March 2014	**K/J Job No.:**	1396010.00
Specification Section:	01 20 00	**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:	C-6		

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- **X Make Corrections Noted (MCN)**
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

A contaminated layer was discovered under a 2 foot thick clay layer after completion of overburden survey of AREA 02. Glacier and Kennedy Jenks agreed to collect field measurements to amend (add to) the AREA 02 quantity. However, while attempting to remove the overburden, it was stockpiled behind the excavator on top of highly contaminated soil. While removing it from the excavation, it became mixed and contaminated. This material was all hauled out as contaminated. Additionally, the clean overburden thickness was compressed by the weight of the excavator and also began to thin out. When this occurred, Glacier was instructed to begin excavating as contaminated material. As such, no additional clean overburden was removed from AREA 02.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company: Kennedy/Jenks Consultants	**Date:** 7 March 2014
Issued for Kennedy/Jenks Consultants by: Jarod Fisher	

Estimated Contract Cost will be ☐increased ☐ decreased **x unchanged** by:		
Estimated Contract Time will be ☐ increased ☐ decreased **x unchanged** by:		Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Richard C. Guglomo, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

Request for Information No.: 10

Kennedy/Jenks Consultants

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 2/18/14
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental
Drawing Reference: Figure B S4
Requested Date of Response: ASAP
Specification Section: 33 46 16.16

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

It has come to our attention that 8" Bulkhead Drain With Discharge Wells (as indicated in drawing B, sheet S4) may not be needed.

Contractor's Proposed Method of Resolving Issue

We propose to eliminate the 8" Bulkhead Drain With Discharge Wells, and deduct $5,500.00 from base bid item schedule 04.7.

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: [signature]
Title: QAQC Officer
Company: Glacier Environmental
Date: 2/18/14

Glacier Environmental Services, Inc.

Submittal Date:	19 February 2014		
Response Date:	19 February 2014	**K/J Job No.:**	1396010.00
Specification Section:	33 46 16.16	**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:	S4		

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- **X Make Corrections Noted (MCN)**
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

We accept this recommendation to eliminate the bulkhead drain and dry wells and a change order written to reduce the project cost by **$5,500.00**. Please note that the bulkhead drain was included as part of the new steel sheet pile bulkhead construction to provide a higher safety factor against wall failure by reducing differential water level. The bulkhead steel sheets that were delivered to the site were AZ38-700N having a section modulus of 70.6 inches cubed per foot versus the required AZ36-700N design section modulus of 66.8 inches cubed per foot. The increased section modulus provides an additional safety factor that makes elimination of the bulkhead drain and dry well acceptable. **Please note that this does not include elimination of the drain rock which is required as shown on Drawing S4. Note that drain rock can be installed from bottom of the excavation to a minimum of 4 feet in vertical height and 1.5 foot horizontal width, with provision of additional project cost reduction.**

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company:	Kennedy/Jenks Consultants	**Date:**	19 February 2014
Issued for Kennedy/Jenks Consultants by:	Jarod Fisher		

Estimated Contract Cost will be ☐increased **X decreased** ☐unchanged by:	$5,500	
Estimated Contract Time will be ☐ increased **X decreased** ☐unchanged by:	2	Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Richard C. Guglomo, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

Glacier Environmental Services, Inc.

Submittal Date:	20 February 2014		
Response Date:	20 February 2014	**K/J Job No.:**	1396010.00
Specification Section:	33 46 16.16	**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:	S4		

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- **X Make Corrections Noted (MCN)**
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

Glacier: [Lauren per email] Jarod,

The additional rock in your calculation was accounted for in the MSE wall cost of $20,000. The current proposed change is still worth $3,587.13

Lauren

KJ: [Jarod per discussions with DOE]

Lauren,

We believe the cost reduction of $3,587 is low and not representative of the reduction in work. However, the bulkhead drain pipe, filter fabric, and dry wells can be removed and the drain rock quantity reduced as directed in RFI Response No. 10.

Regards,

Jarod

Please note that decrease of 2 days accounts for an error of increased days allotted in RFIR No. 5 for removal of MSE wall. The contract completion date has not been changed.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company:	Kennedy/Jenks Consultants	**Date:**	21 March 2014
Issued for Kennedy/Jenks Consultants by:	Jarod Fisher		

Estimated Contract Cost will be ☐increased **X decreased** ☐unchanged by:	$3,587	
Estimated Contract Time will be ☐ increased **X decreased** ☐unchanged by:	2	Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Richard C. Guglomo, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 3/13/14
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental
Drawing Reference: E-4, E-5
Requested Date of Response: ASAP
Specification Section: ________

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

The power conduits connecting the illuminated Shell sign and the west dock originally ran along the outside of the existing bulkhead. The plans do not indicate where the conduit is to be placed along the new bulkhead. Would you like the new conduit to be installed as it was before, or would you like it to be buried under the sidewalk area at no additional cost to the project?

Contractor's Proposed Method of Resolving Issue

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ______ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: [signature]
Title: QAQC Officer
Company: Glacier Environmental Services, Inc.
Date: 3/13/14

Glacier Environmental Services, Inc.

Submittal Date:	13 March 2014		
Response Date:	14 March 2014	**K/J Job No.:**	1396010.00
Specification Section:		**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:	E4 & E5		

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- **X Make Corrections Noted (MCN)**
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

We accept this recommendation to bury the conduits to the illuminated Shell sign and the west dock.

The conduits are to be installed under the new sidewalk area, per Trench Section A on Sheet E5, except width can be reduced to 8-inch minimum.

Locate the conduit parallel to the back [landside] edge of the sidewalk approximately 1-ft north of the back edge.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company:	Kennedy/Jenks Consultants	**Date:**	14 March 2014
Issued for Kennedy/Jenks Consultants by:	Keith Parker		

Estimated Contract Cost will be ☐increased ☐decreased **X unchanged** by:		
Estimated Contract Time will be ☐ increased ☐decreased **X unchanged** by:		Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Keith S Parker, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

Request for Information No.: 13

Kennedy/Jenks Consultants

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 3/17/14
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental
Drawing Reference: Figure 7 S-5
Requested Date of Response: ASAP
Specification Section:

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

Regarding the installation of the raised concrete slab for the building; the plans indicate that the slab shall be installed on top of 4" of base course, and SDLR #73 has approved the use of CSTC in lieu of base course. We would like to use Import Material C - Imported Backfill in the place of the base course. Will this work as a substitute?

Contractor's Proposed Method of Resolving Issue

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: [signature]
Title: QAQC Officer
Company: Glacier Environmental
Date: 3-17-14

Glacier Environmental Services, Inc.

Submittal Date:	17 March 2014		
Response Date:	19 March 2014	**K/J Job No.:**	1396010.00
Specification Section:	31 20 00	**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:			

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- X **No Exceptions Taken (NET)**
- ☐ Make Corrections Noted (MCN)
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

Import Material C almost meets specification requirements for structural fill. Although the sieve analysis indicates it has 2% not passing the ¾" sieve, the gradation of the material is acceptable. It is likely this material does not meet the fractured percentage. However, we have observed the material in compaction and are confident it may be used as structural fill, allowing for acceptable drainage and a flat, solid surface for formwork and reinforcing steel placement.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company: Kennedy/Jenks Consultants	**Date:** 19 March 2014
Issued for Kennedy/Jenks Consultants by: Jarod Fisher	

Estimated Contract Cost will be ☐increased ☐decreased **X unchanged** by:		
Estimated Contract Time will be ☐ increased ☐decreased **X unchanged** by:		Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Keith S Parker, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

Request for Information No.: 14 **Kennedy/Jenks Consultants**

From: Glacier Environmental
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 3/18/14
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental
Drawing Reference: Attached
Requested Date of Response: ASAP
Specification Section:

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

During the building demolition and move to a temporary location it was discovered that the storage areas on the south side of the building were add-ons and non-loadbearing walls under a cantilevered roof. Although the west end storage was built on a slab the east end storage was built on a wood deck, these were removed to allow access for building move. The original footprint of the building does not match the drawing foot print shown on page S5 of the plan drawings and the thickened edge will not be under the loadbearing walls.

Contractor's Proposed Method of Resolving Issue

In the attached drawing, the black outline of the foundation represents the slab dimensions as indicated in the plans, the red outline indicates the original footprint of the building, which was surveyed after the building was moved. The foundation slab on grade will be constructed in the original footprint, per the red line drawings of the attached document. The storage areas on the South side of the building will be built onto concrete pads, which are the same dimensions and specifications as the entry sidewalk on the South side of the building, but extending the entire side of the building.

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

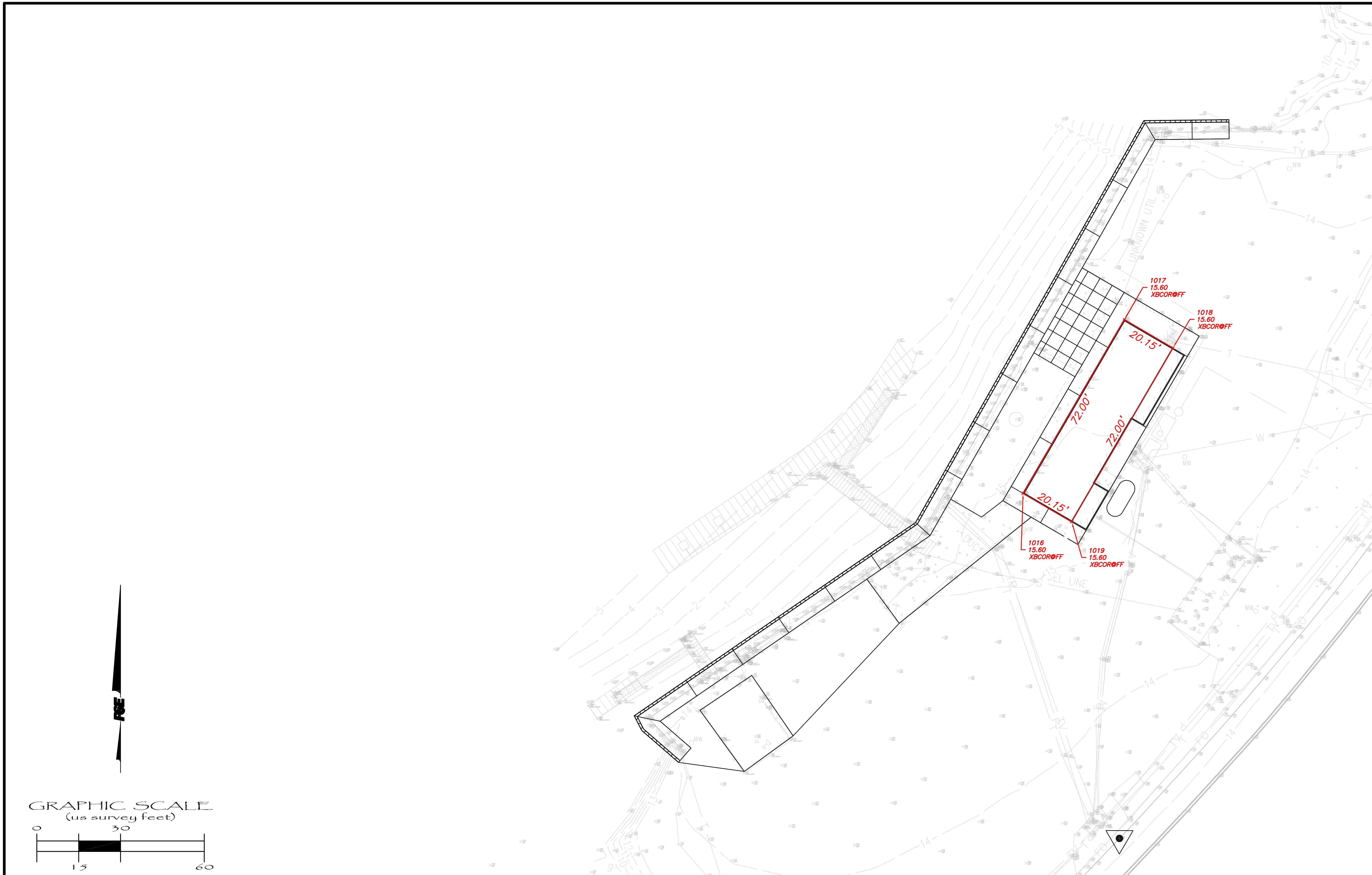
Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: [signature]
Title: QAQC Officer
Company: Glacier Environmental
Date: 3/18/14



1017
15.60
XBCOR@FF
1018
15.60
XBCOR@FF
20.15'
72.00'
72.00'
20.15'
1016
15.60
XBCOR@FF
1019
15.60
XBCOR@FF
UNKNOWN UTIL
SEL LINE
GRAPHIC SCALE
(us survey feet)
0
15
30
60

Glacier Environmental Services, Inc.

Submittal Date:	18 March 2014		
Response Date:	19 March 2014	**K/J Job No.:**	1396010.00
Specification Section:		**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:	C10		

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- **X No Exceptions Taken (NET)**
- ☐ Make Corrections Noted (MCN)
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

We accept this recommendation to adjust the building foundation dimensions and place the thickened edge under the load bearing walls. The south side storage units will be installed on a 4-inch thick sidewalk matching the total dimensions shown on drawing C10.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company: Kennedy/Jenks Consultants	**Date:** 19 March 2014
Issued for Kennedy/Jenks Consultants by: Jarod Fisher	

Estimated Contract Cost will be ☐increased ☐decreased **X unchanged** by:		
Estimated Contract Time will be ☐ increased ☐decreased **X unchanged** by:		Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Keith S Parker, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

Request for Information No.: 15

Kennedy/Jenks Consultants

From: Glacier Environmental
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 3/20/14
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental
Drawing Reference: E-2
Requested Date of Response: ASAP
Specification Section:

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

Drawing E2 shows three 3" conduits carrying the main conductors from the PSE vault to the MDP; note 3 indicates to refer to the NEC for final installation of these conductors. Per NEC (6) 500 kcmil type XHHW CU in (2) 3"schedule 40 pvc conduits will be sufficient to provide new service the docks. Please confirm that this is acceptable and the third conduit is not necessary.

Contractor's Proposed Method of Resolving Issue

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: [signature]
Title: QAQC
Company: Glacier Environmental
Date: 3/20/14

Glacier Environmental Services, Inc.

Submittal Date:	19 March 2014		
Response Date:	20 March 2014	**K/J Job No.:**	1396010.00
Specification Section:	26 00 00	**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:	E2		

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

☐ No Exceptions Taken (NET)
X Make Corrections Noted (MCN)
☐ Amend and Resubmit (A&R)
☐ Rejected, Resubmit (RR)
☐ Returned Without Review (NR)

Remarks

1. The proposed solution is acceptable, as long as the conductors are clearly marked as rated for 90 degC.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company:	Kennedy/Jenks Consultants	**Date:**	19 March 2014
Issued for Kennedy/Jenks Consultants by:	Jarod Fisher		

Estimated Contract Cost will be ☐increased ☐decreased **X unchanged** by:		
Estimated Contract Time will be ☐ increased ☐decreased **X unchanged** by:		Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Keith S Parker, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

Request for Information No.: 16 — Kennedy/Jenks Consultants

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 3/19/14
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental
Drawing Reference:
Requested Date of Response: ASAP
Specification Section: 22 13 29.99-3

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

Attached is the original asbuilt for the septic system down at Cornet Bay. In section 2.02 of the septic tank/plumbing specs you have specified 10 - 12 gpm turbine pumps for installation. The way the existing mound has been built would require pump meeting the minimum head and flow shown on page two of the asbuilt (>26 GPM, low head). Please advise.

Contractor's Proposed Method of Resolving Issue

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: Eric Hay
Title: QAQC
Company: Glacier Environmental
Date: 3/19/14

.cc: Owner
Installer
Permit Center
Bldg Dept

ISLAND COUNTY HEALTH DEPARTMENT
PO BOX 5000
COUPEVILLE, WA 98239-5000

AS BUILT

489-90M

APPLICATION TO REPAIR A SEWAGE DISPOSAL SYSTEM

OWNER'S NAME: Cornet Bay Marina PHONE #: 5-5411
MAILING ADDRESS: 5191 N. Cornet Bay OAK HARBOR WA. 98277

****

LEGAL DESCRIPTION: PARCEL #: R13436-517-2560

NAME OF PLAT: ________ DIVISION ____ BLOCK _____ LOT ___

****

SITE INFORMATION: TYPE OF USE Commercial # OF BEDROOMS: ___

LOT WIDTH: ________ LOT DEPTH: ________ AREA: ________

SOIL TYPES:	DEPTH:
(Fill) S&G	0-8 IV
(Dredgings) Blue Fill	8-26
Gravel Sandy Peat mix	26-37 III

SAT 32" STANDING 39"

MENS Head 1-Toilet
1-Urinal
1-Sink

Womens Head 1-Toilet
1-Sink

****

PROPOSED REPAIRS:

NEW SEPTIC TANK: yes 1200 PUMP CHAMBER: yes 550

DRAINFIELD LENGTH: 10X45 NUMBER OF LINES: 3 SQUARE FEET: 450

FILL: WIDTH 38' LENGTH 70' DEPTH D=24"

COMMENTS: Mound Guidelines - Refer to Cross Section on Back - Logs or Barriers to be placed around area of Drainfield 360 G.P.D. max Peak Flow No Guarantee Due to soils & water elevations.

****

EXISTING SYSTEM INFORMATION: APPROXIMATE AGE ________ ASBUILT FILE # 713-76X

SIZE OF TANK ________ LENGTH OF DRAINFIELD ________ # OF LINES ________

CAUSE OF FAILURE: Krieg Const tore out lines in process of Removal of Gas Tanks and Slabs

****

INSTALLER'S SIGNATURE: Bruce Silva DATE: 6-18-90

OWNER'S SIGNATURE: ________

PLAN APPROVED: ✓ PERMIT # 489-90M RECEIPT # 10229 DATE: 7/5/90

PLAN DISAPPROVED ________

CONSTRUCTION INSPECTION:
DATE 7-31 BY CS

FINAL INSPECTION: APPROVED ✓ CS 8/15 REJECTED

SIGNATURE: Catherine Swain DATE: 8-16-90

MARGINAL APPROVED—Not For Additional Drainfield Load

****

PER SANITARY CODE OF ISLAND COUNTY EACH INDIVIDUAL SEWAGE DISPOSAL SYSTEM MUST BE AVAILABLE FOR HEALTH DEPARTMENT INSPECTION (24 HOURS NOTICE IS REQUIRED).

ISLAND COUNTY ASSUMES NO RESPONSIBILITY FOR THE RE-DIRECTION OF DRAINAGE WATER.

PERMIT EXPIRES 90 DAYS FROM DATE ISSUED

AS-BUILT

ICHD #4.1 10/88

INDICATE LOCATION OF THE FOLLOWING: (On both proposed and asbuilt drawings)

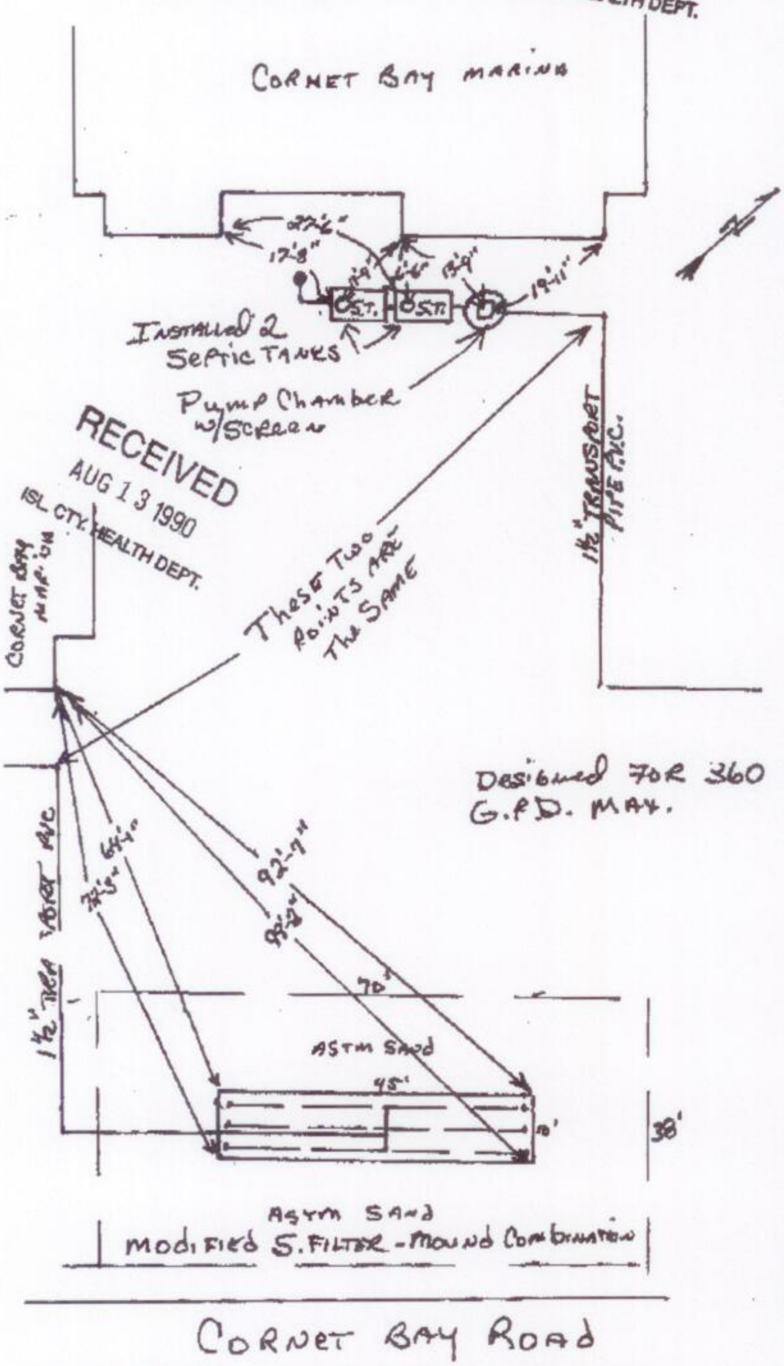
a. Location of buildings (distance from roads, etc.)
b. Size of building
c. Location of septic tank (distance from building, etc.)
d. Location of drainfields (distance from house, septic tank, property lines, wells, banks, water of the State, curtain drain, roads, driveways, large trees, etc.)

RECEIVED AUG 9 1990 ISL CTY. HEALTH DEPT.

SCALE DRAWINGS: Proposed Design [ ] Asbuilt [X]

ICHD #4.1 10/88

SCALE USED: 20



Alternative & Pressure System Information:

TRANSPORT PIPE DIAMETER: 1½ LENGTH: ______
MANIFOLD PIPE DIA: ______

ELEVATION FROM PUMP TO DRAINFIELD BED OR LOWEST LATERAL: 8'
LATERAL DIA: 1½"
LATERAL(S) LENGTH: #1 42' #2 42' #3 42' #4 ____ #5 ____ #6 ____
LATERAL SPACING: 3'
LATERAL ELEVATIONS: #1 8' #2 8' #3 8' #4 ____ #5 ____ #6 ____
ORIFICE DIA: 3/16
ORIFICE SPACING: LATERAL #1 42" #2 42" #3 42" #4 ____ #5 ____ #6 ____

BED SIZE: 10x45'

DEPTH OF FILL UNDER BED: D=24"

VERTICAL SEPARATION: 36"

TOTAL DEPTH OF FILL: Mound

UPSLOPE WIDTH OF FILL FROM BED: 14' ENDSLOPE WIDTH: 14'
TOTAL SIZE OF FILL: 38X70
PERCENT OF SLOPE IN DRAINFIELD/BED AREA: -0-

DOSE VOLUME: 90
DOSES PER DAY: 4

PUMP SIZE: GPM: 26
HEAD: 20

SAND FILTER SIZE: ______ TRANSPORT LINE DIA: ______ TRANSPORT LINE LENGTH: ______ MANIFOLD DIA: ______ MANIFOLD PIPE LENGTH: ______ LATERAL DIA: ______ LATERAL LENGTHS: ______ # OF LATERALS: ______ LATERAL SPACING: ______ ORIFICE DIAMETER: ______ ORIFICE SPACING ______

ELEVATION FROM PUMP TO SAND FILTER: ______ PUMP SIZE: GPM: ____ HEAD: ______ DOSE VOLUME: ______ DOSES PER DAY: ______ OSE33M PUMP CHAMBER SIZE(S): #1 1000/1000 GALLONS #2 330 GALLONS

SPECIAL FEATURES OR CONDITIONS: CONCRETE

ASBUILT DATA: Name Cornet Bay Marina Permit # ______ Parcel # ______

Drainfield: Square Feet 450 Total Length 45' Width 10' Depth 12"

VERTICAL SEPARATION BETWEEN BOTTOM OF TRENCH OR BED AND SATURATED OR IMPERVIOUS SOIL: 36" D=24"

COMMENTS: Modified Sand Filter Mound Combination in One

Bruce Silvia

Installer's Signature

Date 8-2-90

AS 0 4 I

Glacier Environmental Services, Inc.

Submittal Date:	19 March 2014		
Response Date:	27 March 2014	**K/J Job No.:**	1396010.00
Specification Section:	22 13 29.99	**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:			

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- **X Make Corrections Noted (MCN)**
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

1. Submit proposed septic pump to meet as-built documents head and flow parameters with septic equipment submittal.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company:	Kennedy/Jenks Consultants	**Date:**	27 March 2014
Issued for Kennedy/Jenks Consultants by:	Jarod Fisher		

Estimated Contract Cost will be ☐increased ☐decreased **X unchanged** by:		
Estimated Contract Time will be ☐ increased ☐decreased **X unchanged** by:		Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Keith S Parker, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

Request for Information No.: 17

Kennedy/Jenks Consultants

From: Glacier Environmental Services, Inc.
P.O. Box 1097
Mukilteo, WA 98275
Eric Hay

Page: 1 of 1
Date: 3/25/14
K/J Job No.: 1396010.00
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Glacier Environmental
Drawing Reference:
Requested Date of Response: ASAP
Specification Section: 22 11 16-5

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

The water supply to the building and docks was originally constructed with Polyethylene pipe, and connected with king nipples and hose clamps.The Specifications call out for the use of Copper Pipe, Galvanized Steel Pipe, or HDPE Pipe. Would you like us to restore the water lines with Polyethylene Pipe, as originally constructed, or would you like us to change the system to match the specifications?

Contractor's Proposed Method of Resolving Issue

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: [signature]
Title: QAQC Officer
Company: Glacier Environmental Services, Inc.
Date: 3/25/14

Glacier Environmental Services, Inc.

Submittal Date:	25 March 2014		
Response Date:	27 March 2014	**K/J Job No.:**	1396010.00
Specification Section:	22 11 16 - 5	**Project Name:**	Cornet Bay Marina Remediation
Drawing Reference:			

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

☐ No Exceptions Taken (NET)
X Make Corrections Noted (MCN)
☐ Amend and Resubmit (A&R)
☐ Rejected, Resubmit (RR)
☐ Returned Without Review (NR)

Remarks

Provide piping materials per specifications: 22 11 16 – 3.01,B,1:

1. *HDPE pipe shall be installed as the underground portion of water piping. Copper pipe shall be used inside the building. Galvanized pipe shall be used for exposed water piping, for example to pipe to the drinking fountain on the main dock access platform.*

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Company:	Kennedy/Jenks Consultants	**Date:**	27 March 2014
Issued for Kennedy/Jenks Consultants by:	Jarod Fisher		

Estimated Contract Cost will be ☐increased ☐decreased **X unchanged** by:		
Estimated Contract Time will be ☐ increased ☐decreased **X unchanged** by:		Days.

Distribution		SDRL	Encl.
Contractor	Laurel Golembiewski	x	x
KJ Project Manager	Ty Schreiner	x	
KJ Project Coordinator:	Keith S Parker, P.E.	x	x
KJ Resident Engineer:	Jarod Fisher, P.E.	x	x
Ecology PM	Jing Liu	x	x
Ecology Construction Engineer	Brian Sato, P.E.	x	x
Ecology Contract Officer	Joe Ward, P.E.	x	x
File		x	x

From: **Glacier Environmental**
PO Box 1097
Mukilteo, WA 98275

Page: 1 of 2
Date: 4/10/14
K/J Job No.:
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Alan Hall
Drawing Reference:
Requested Date of Response:
Specification Section: 22 11 16

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

Specification section 22 11 16 tells us to use SDR 11 1.5" HDPE for all the waterlines to the marina building and docks. Existing waterline from the well into the site is LDPE 1.25" pipe and the original pipe that ran to the docks was 1" LDPE.

Contractor's Proposed Method of Resolving Issue

Glacier proposes to use SDR11 1.25" HDPE pipe to the building then tee off with SDR 11 1" HDPE to the dock connections as was originally in place.

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased Xunchanged by: ________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ______ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: ________ **Title:** ________

Company: ________ **Date:** ________

Response Date: ____________ **K/J Job No.:** ____________

Specification Section: ____________ **Project Name:** Cornet Bay Marina Remediation

Drawing Reference: ____________ **Page:** 2 of 2

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- ☐ No Exceptions Taken (NET)
- ☐ Make Corrections Noted (MCN)
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Respondent: ____________ **Signature:** ____________

Company: ____________ **Date:** ____________

Issued for Kennedy/Jenks Consultants by: ____________

Contractor's Reply To Response:

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ Days.

Comments

.

Distribution	RFI	Response	Reply
Owner			
Engineer			
Contractor			
File			

From: **Glacier Environmental**
PO Box 1097
Mukilteo, WA 98275

Page: 1 of 2
Date: 4/10/14
K/J Job No.:
Project Name: Cornet Bay Marina Remediation

Request for Information

Originator: Alan Hall **Drawing Reference:**

Requested Date of Response: **Specification Section:** 22 11 16

Written requests for information will not be considered without an accompanying completed copy of this RFI. By submission of this form the Contractor represents it has carefully reviewed the Contract Documents, coordinated the Work with the appropriate subcontractors, reviewed the field conditions and hereby certifies that the information requested cannot be determined from such efforts as required by the Contract Documents.

The Contractor requests the following information in accordance with the requirements of the Contract Documents.

Description of Requested Information

Specification section 22 11 16 tells us to use SDR 11 1.5" HDPE for all the waterlines to the marina building and docks. Existing waterline from the well into the site is LDPE 1.25" pipe and the original pipe that ran to the docks was 1" LDPE.

Contractor's Proposed Method of Resolving Issue

Glacier proposes to use SDR11 1.25" HDPE pipe to the building then tee off with SDR 11 1" HDPE to the dock connections as was originally in place.

Contractor's Proposed Impact on Project

Estimated Contract Cost will be ☐increased ☐decreased **X** unchanged by: ______

Estimated Contract Time will be ☐increased ☐decreased **X** unchanged by: ______ days.

Attachments

Attach supporting documentation sufficient for Engineer to evaluate Request for Information, including documentation of field conditions. Forms submitted without adequate documentation will be returned without comment for further clarification.

Contractor's signature below signifies acceptance of responsibility for accuracy and completeness of information included in this Request for Information Form.

Authorized Signature: ______ **Title:** ______

Company: ______ **Date:** ______

Response Date: 11 April 2014 **K/J Job No.:** 1396010*00

Specification Section: 22 11 16 **Project Name:** Cornet Bay Marina Remediation

Drawing Reference: **Page:** 2 of 2

Response

Notations listed below indicate the response to the Contractor's proposed method to resolve the issue. If the Contractor has not proposed a method of resolution, see remarks below. Modification of costs, project schedule or time shall be processed in accordance with the Contract Documents.

- **X** No Exceptions Taken (NET)
- ☐ Make Corrections Noted (MCN)
- ☐ Amend and Resubmit (A&R)
- ☐ Rejected, Resubmit (RR)
- ☐ Returned Without Review (NR)

Remarks

Use of 1.25" HDPE is acceptable since its inner diameter is greater than the existing 1.25" polyethylene pipe.
Use of 1" HDPE is acceptable since its inner diameter is greater than the previous 1" polyethylene pipe.
Please submit product data for connections from the existing pipe and transitioning to the 1.25" HDPE. Also note all requirements of specifications including cleaning, pressure testing, and submit product data for any items that are different than the specifications.

If Contractor estimates an impact on Project time or price based upon Response, submit Reply within 5 working days of receipt.

Respondent: Jarod Fisher **Signature:**

Company: Kennedy Jenks **Date:** ~~11~~

Issued for Kennedy/Jenks Consultants by:

Contractor's Reply To Response:

Estimated Contract Cost will be ☐increased ☐decreased ☐unchanged by: ____________

Estimated Contract Time will be ☐increased ☐decreased ☐unchanged by: ________ Days.

Comments

Distribution	RFI	Response	Reply
Owner	X	X	
Engineer	X		
Contractor		X	
File			

Appendix H

Stockpile Surveys

PACIFIC SURVEY & ENGINEERING INC
1812 CORNWALL, BELLINGHAM, WA 98225 PHONE:671.7387 FAX:671.4685
www.psesurvey.com
EMAIL: pse@psesurvey.com

CORNET BAY AS-BUILT SURVEY

SURVEY NOTES:

1) TOPOGRAPHIC MAPPING SHOWN HEREON REPRESENTS THE FINAL AS–BUILT CONDITIONS AS OBSERVED IN THE FIELD UTILIZING ELECTRONIC DATA COLLECTION BY PACIFIC SURVEYING AND ENGINEERING ON 06.18.14.

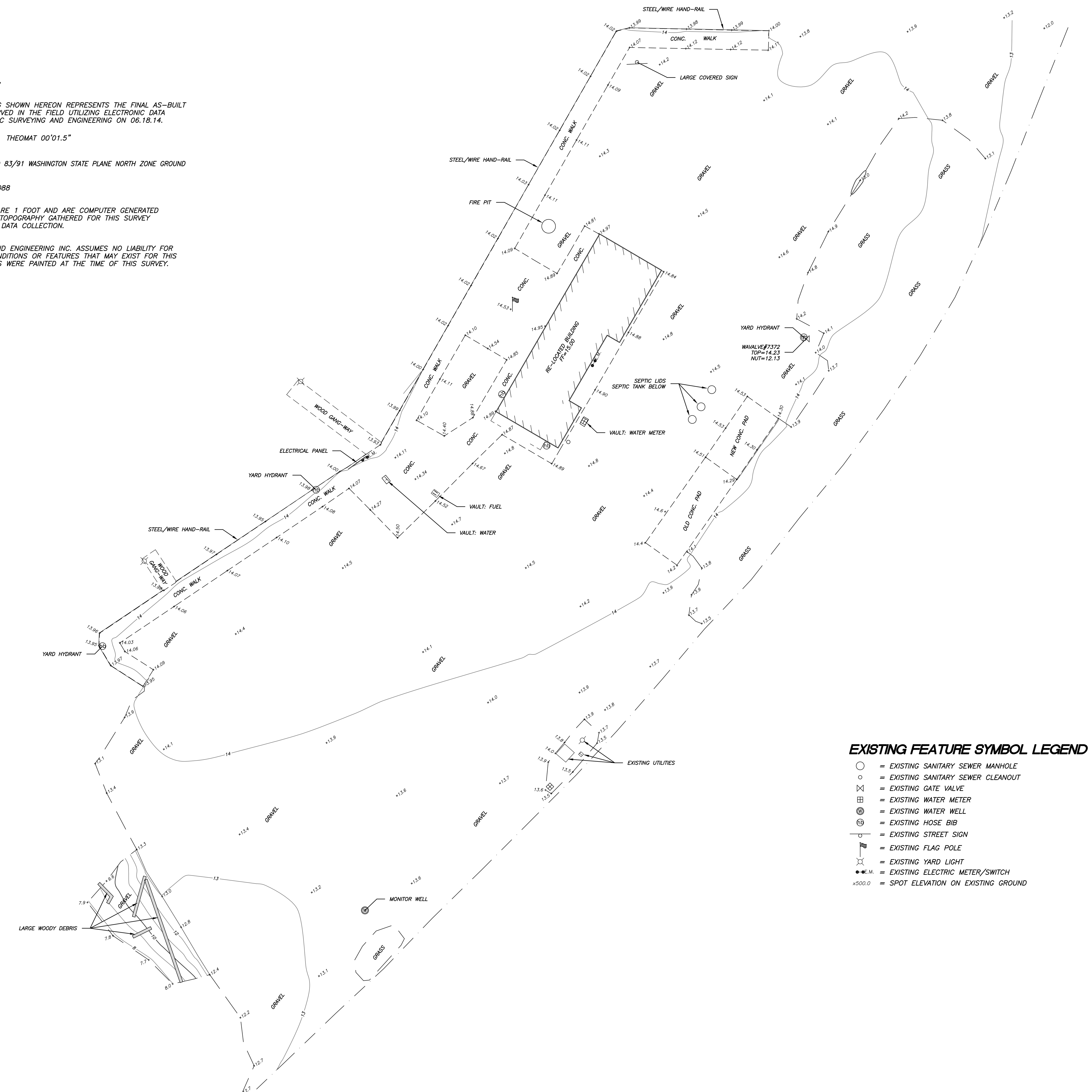
2) EQUIPMENT USED: THEOMAT 00'01.5"

3) HORIZONTAL DATUM: NAD 83/91 WASHINGTON STATE PLANE NORTH ZONE GROUND

4) VERTICAL DATUM: NAVD88

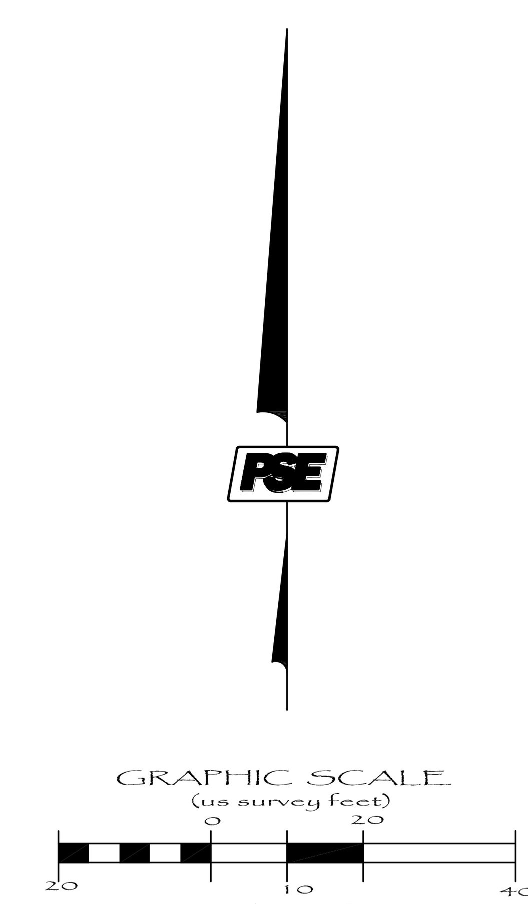
5) CONTOUR INTERVALS ARE 1 FOOT AND ARE COMPUTER GENERATED FROM GROUND FIELD TOPOGRAPHY GATHERED FOR THIS SURVEY UTILIZING ELECTRONIC DATA COLLECTION.

6) PACIFIC SURVEYING AND ENGINEERING INC. ASSUMES NO LIABILITY FOR ANY SUBSURFACE CONDITIONS OR FEATURES THAT MAY EXIST FOR THIS SURVEY. NO UTILITIES WERE PAINTED AT THE TIME OF THIS SURVEY.



EXISTING FEATURE SYMBOL LEGEND

- = EXISTING SANITARY SEWER MANHOLE
- = EXISTING SANITARY SEWER CLEANOUT
- = EXISTING GATE VALVE
- = EXISTING WATER METER
- = EXISTING WATER WELL
- = EXISTING HOSE BIB
- = EXISTING STREET SIGN
- = EXISTING FLAG POLE
- = EXISTING YARD LIGHT
- E.M. = EXISTING ELECTRIC METER/SWITCH
- x500.0 = SPOT ELEVATION ON EXISTING GROUND



CALL BEFORE YOU DIG 1-800-424-5555

FIELD BOOKS	TBM. NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	SCALE	REV	DATE	DESCRIPTION	BY	No.		DATE
DESIGN: 295 SERIES				BASE			HORIZ:					1	AS–BUILT SURVEY	6.27.14
STAKING:				DESIGN			VERT:							
ASBUILT:				XREF:										
	NAVD 88			DWG #										
SURVEY REFERENCE	VERTICAL DATUM			PLAN CHECK				REVISIONS				ISSUE		

GLACIER ENVIRONMENTAL
4416 Russell Road, Suite A
Mukilteo, WA 98275

AS-BUILT SURVEY

CORNET BAY
ISLAND COUNTY, WASHINGTON

JOB #: 2013180

SHEET 1 OF 1

PACIFIC SURVEY & ENGINEERING INC
1812 CORNWALL AVE, BELLINGHAM, WA 98225 PHONE:671.7387 FAX:671.4685
EMAIL: pse@psesurvey.com
www.psesurvey.com

VOLUME REPORT - CORNET BAY MARINA REMEDIATION

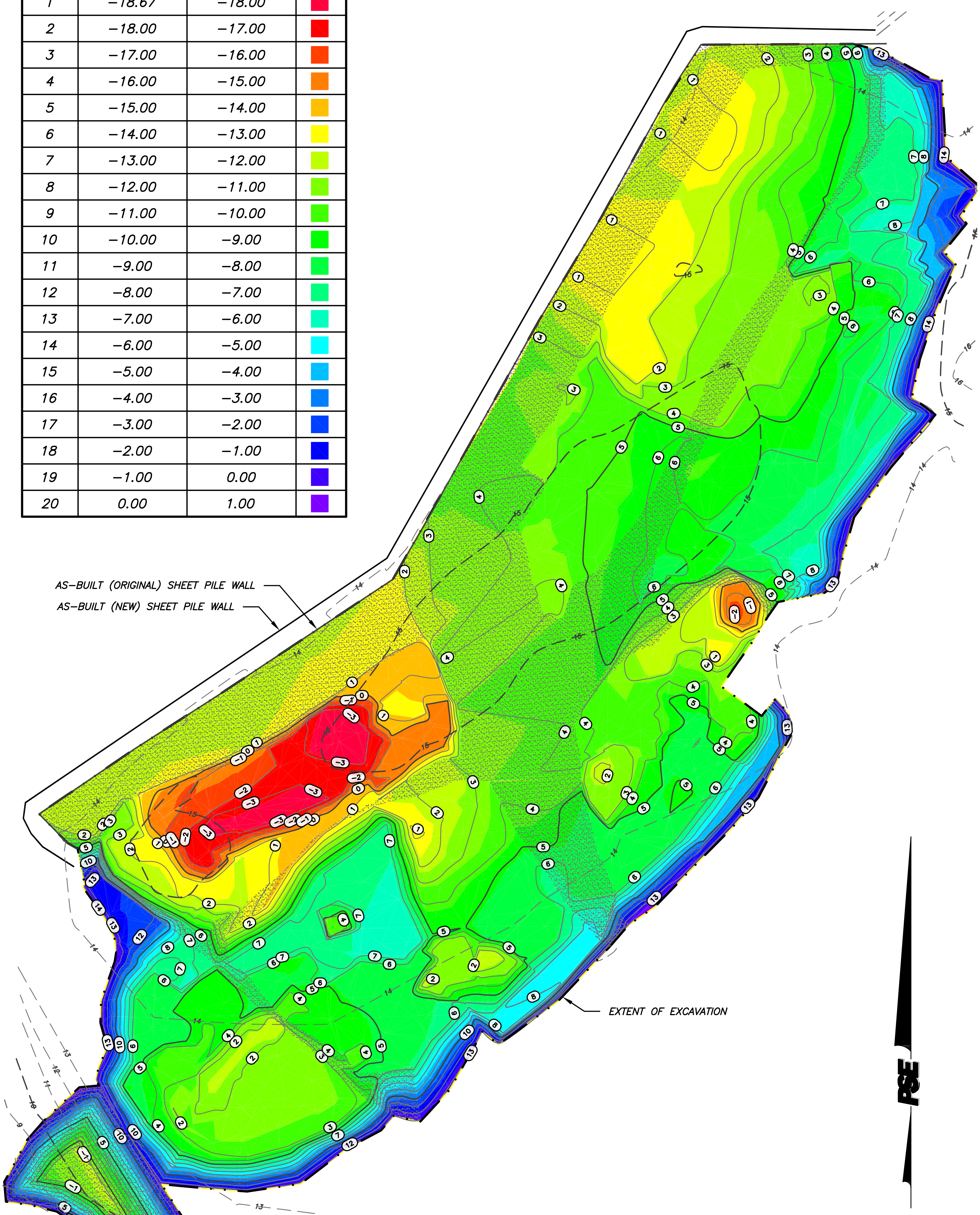
COMPOSITE EXCAVATION QUANTITIES

NOTE: THE TOPOGRAPHIC MAPPING AND COLOR BANDING SHOWN HEREON REPRESENTS A COMPARISON BETWEEN THE PRE-EXCAVATION SITE CONDITIONS AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 12/23/13 (DASHED CONTOURS) AND THE EXCAVATION CONDITIONS AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING BETWEEN 2/4/14 AND 3/17/14 (SOLID CONTOURS). SHADED AREAS REPRESENT CALCULATED INTERPOLATIONS, EXTRAPOLATIONS OR TRIMMING OF SURVEYED DATA UNDER THE INSTRUCTION OF GLACIER ENVIRONMENTAL TO FILL OR TRIM DOWN GAPS OR OVERLAPS IN SURVEYED DATA.

Cut(−)/Fill(+) Table

Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
1	−18.67	−18.00	
2	−18.00	−17.00	
3	−17.00	−16.00	
4	−16.00	−15.00	
5	−15.00	−14.00	
6	−14.00	−13.00	
7	−13.00	−12.00	
8	−12.00	−11.00	
9	−11.00	−10.00	
10	−10.00	−9.00	
11	−9.00	−8.00	
12	−8.00	−7.00	
13	−7.00	−6.00	
14	−6.00	−5.00	
15	−5.00	−4.00	
16	−4.00	−3.00	
17	−3.00	−2.00	
18	−2.00	−1.00	
19	−1.00	0.00	
20	0.00	1.00	

COMPOSITE EXCAVATION VOLUME = 14,042.4 C.Y.



1"=30'

JOB#: 2013180 DWG: 2013180_svX_TB_CompositeModel.dwg 06.12.14

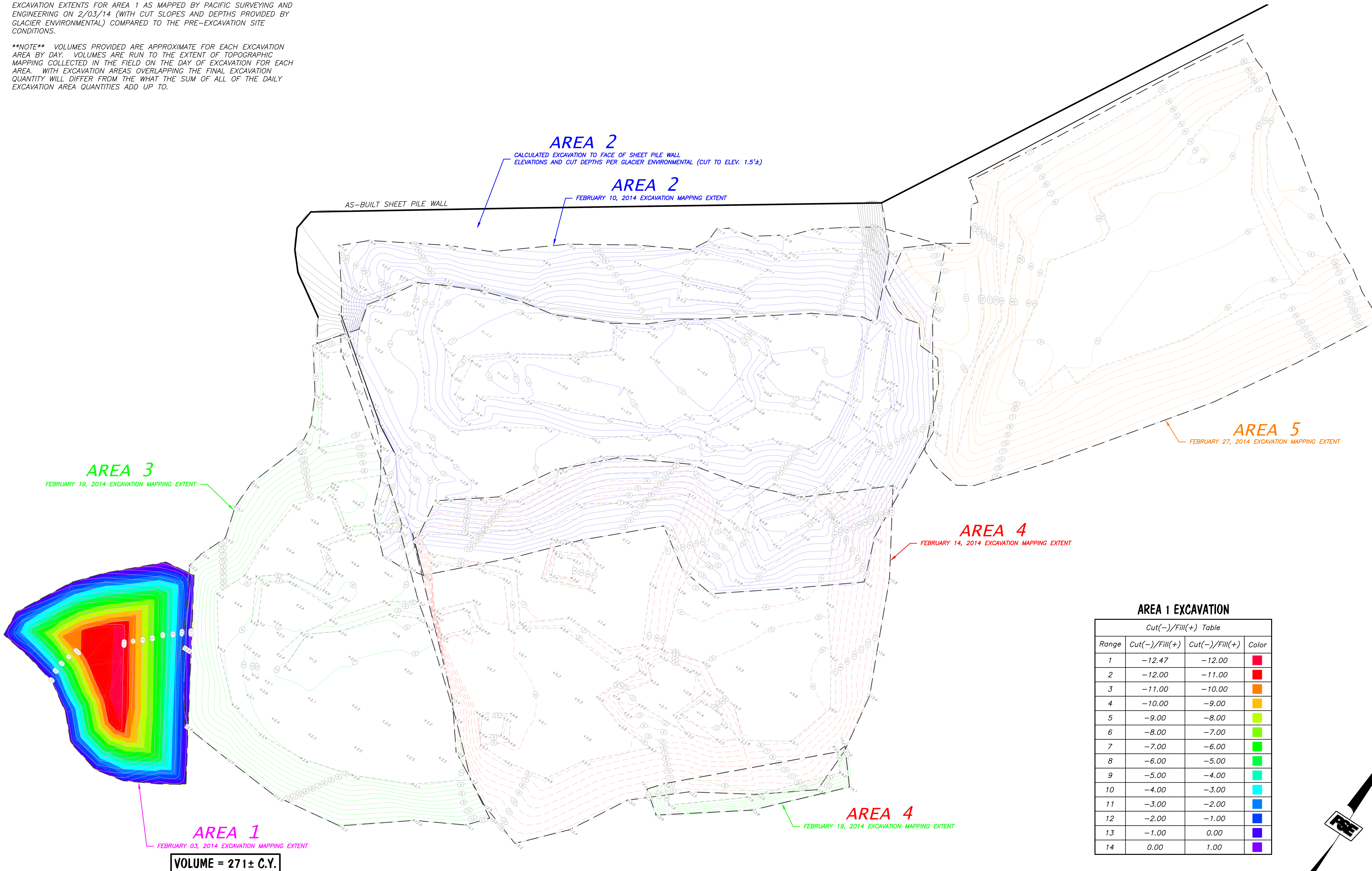
PACIFIC SURVEY & ENGINEERING INC www.psesurvey.com
1812 CORNWALL, BELLINGHAM, WA 98225 PHONE:671.7387 FAX:671.4685 EMAIL: pse@psesurvey.com

VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 1 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 2/03/14 (WITH CUT SLOPES AND DEPTHS PROVIDED BY GLACIER ENVIRONMENTAL) COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 1 EXCAVATION

Cut(-)/Fill(+) Table			
Range	Cut(-)/Fill(+)	Cut(-)/Fill(+)	Color
1	-12.47	-12.00	
2	-12.00	-11.00	
3	-11.00	-10.00	
4	-10.00	-9.00	
5	-9.00	-8.00	
6	-8.00	-7.00	
7	-7.00	-6.00	
8	-6.00	-5.00	
9	-5.00	-4.00	
10	-4.00	-3.00	
11	-3.00	-2.00	
12	-2.00	-1.00	
13	-1.00	0.00	
14	0.00	1.00	

GRAPHIC SCALE
(us survey feet)
1 inch = 10 feet

PACIFIC SURVEY & ENGINEERING INC
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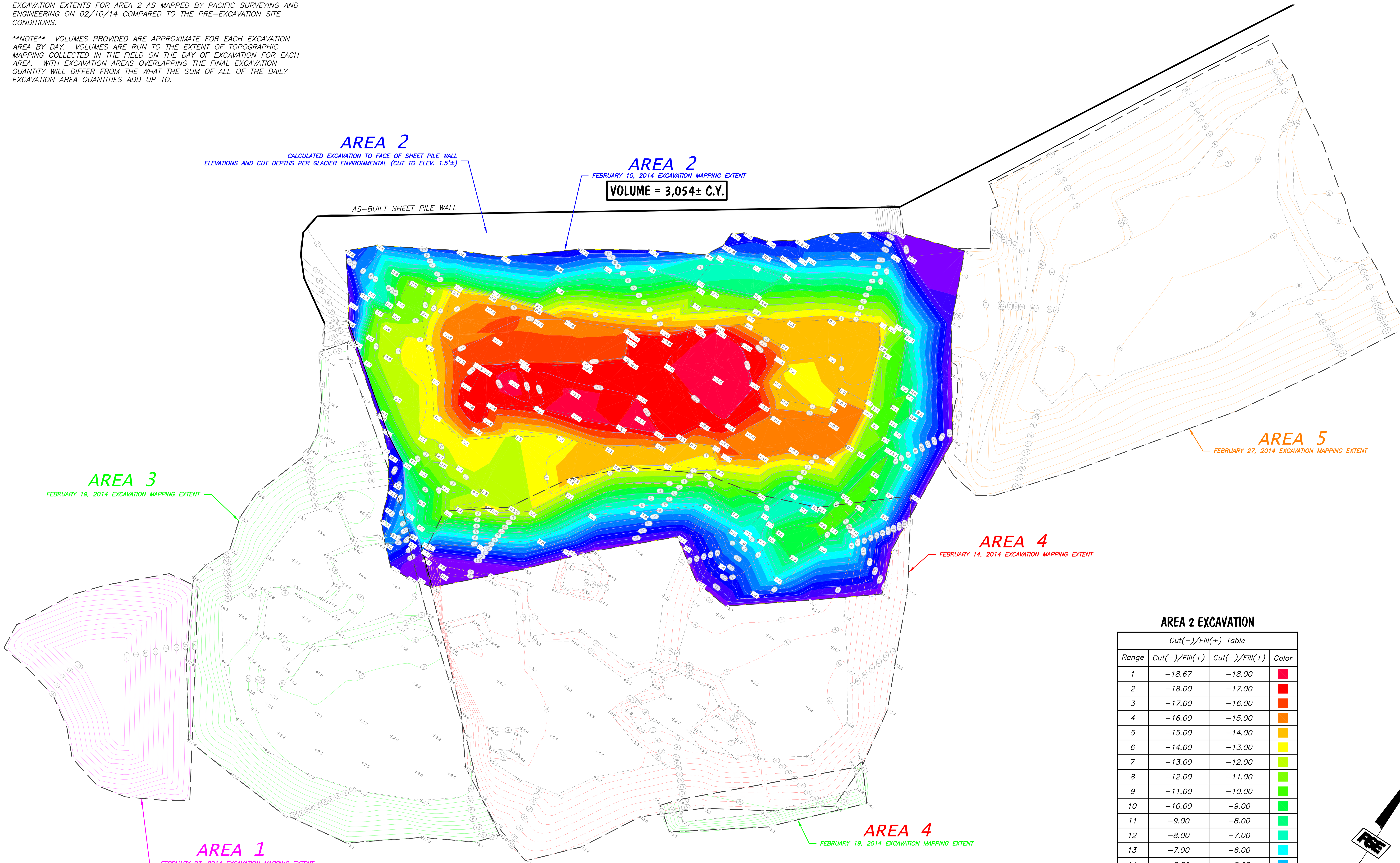
EMAIL: pse@psesurvey.com

VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 2 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/10/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 2 EXCAVATION

Cut(−)/Fill(+) Table			
Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
1	−18.67	−18.00	
2	−18.00	−17.00	
3	−17.00	−16.00	
4	−16.00	−15.00	
5	−15.00	−14.00	
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9	−11.00	−10.00	
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13	−7.00	−6.00	
14	−6.00	−5.00	
15	−5.00	−4.00	
16	−4.00	−3.00	
17	−3.00	−2.00	
18	−2.00	−1.00	
19	−1.00	0.00	

GRAPHIC SCALE
(in survey feet)
1 inch = 10 feet

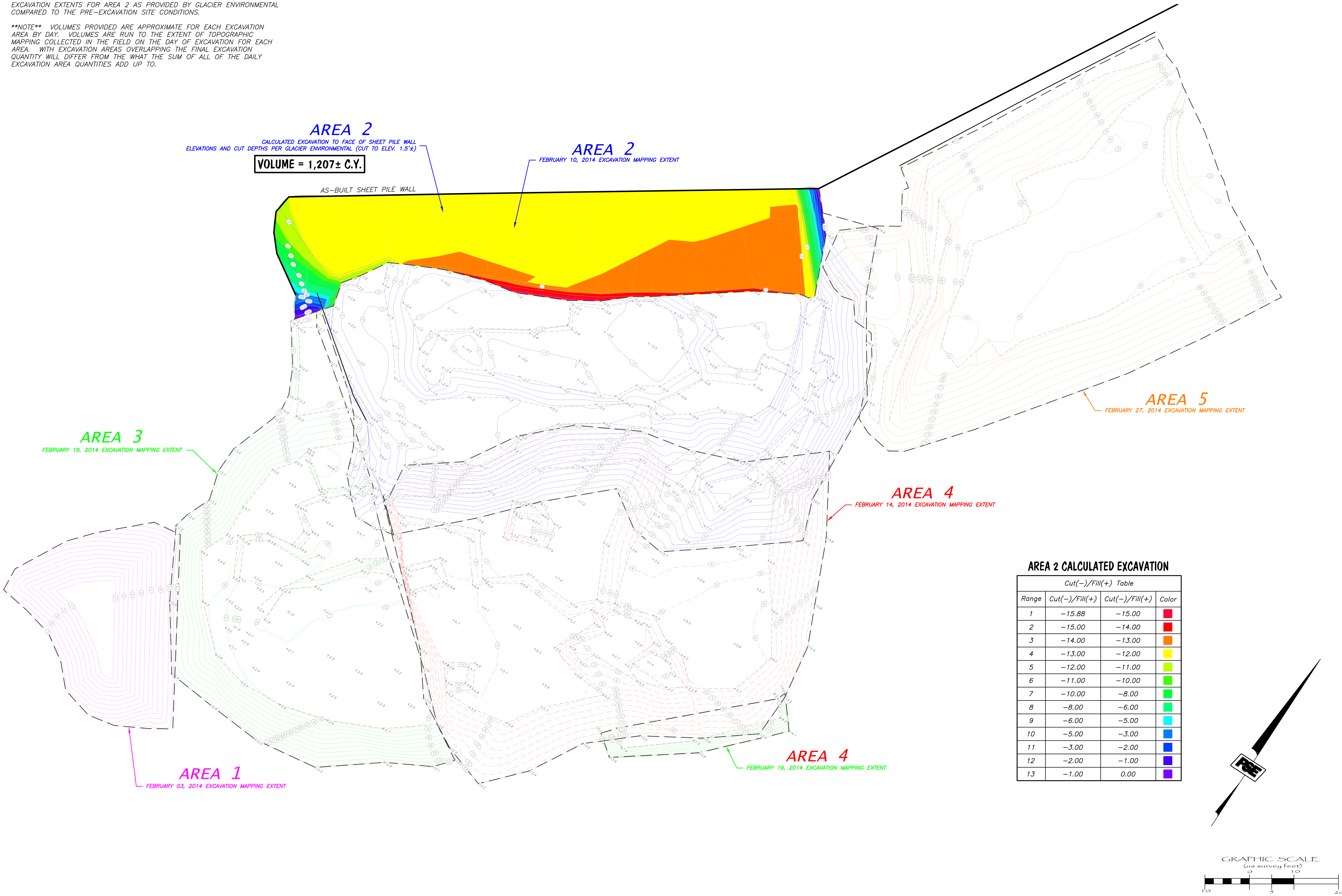
PACIFIC SURVEY & ENGINEERING INC
www.psesurvey.com
EMAIL: pse@psesurvey.com
1812 CORNWALL, BELLINGHAM, WA 98225 PHONE:671.7387 FAX:671.4685

VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 2 AS PROVIDED BY GLACIER ENVIRONMENTAL COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 2 CALCULATED EXCAVATION

Cut(–)/Fill(+) Table			
Range	Cut(–)/Fill(+)	Cut(–)/Fill(+)	Color
1	–15.88	–15.00	
2	–15.00	–14.00	
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4	–13.00	–12.00	
5	–12.00	–11.00	
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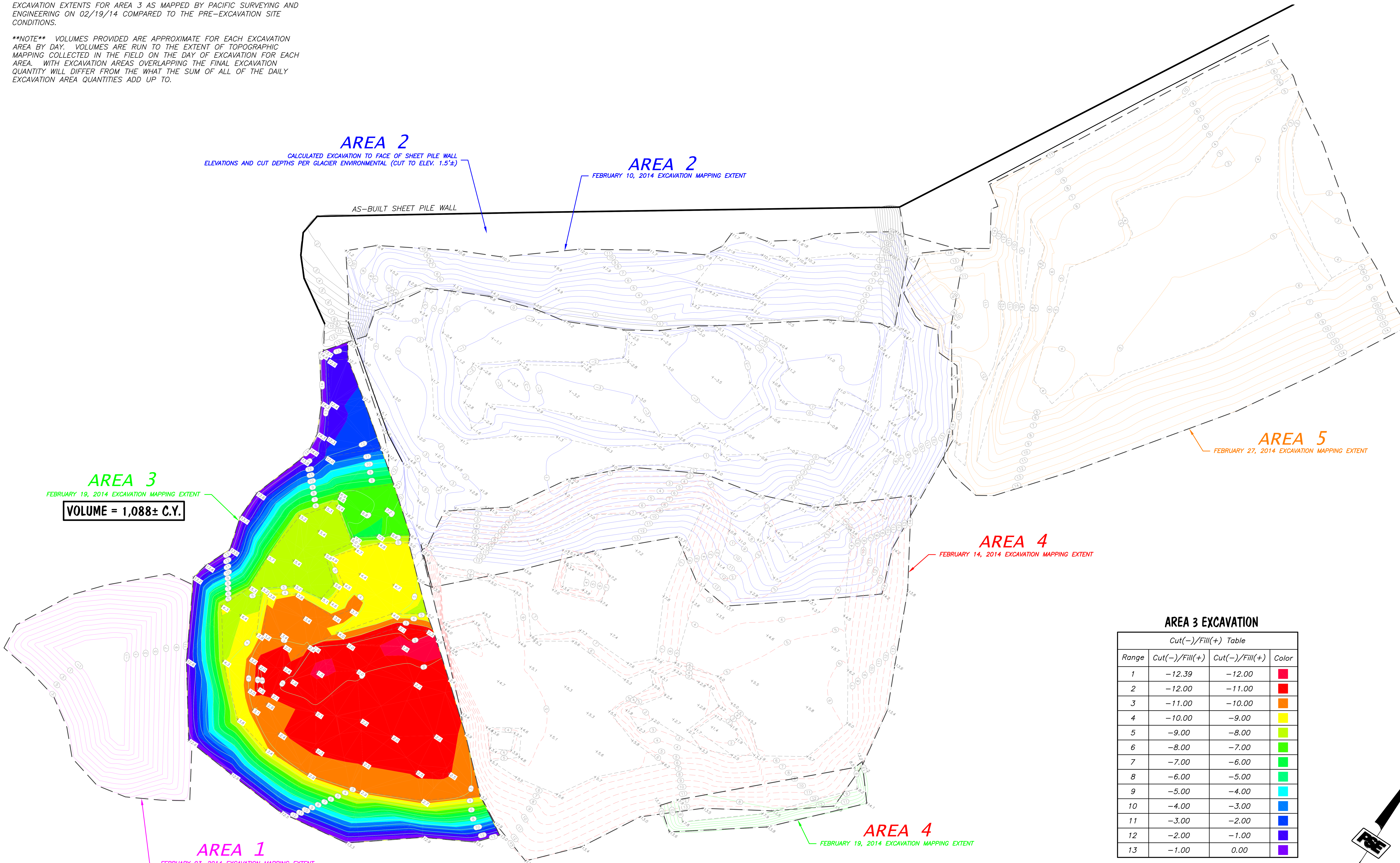
7	–10.00	–8.00	
8	–8.00	–6.00	
9	–6.00	–5.00	
10	–5.00	–3.00	
11	–3.00	–2.00	
12	–2.00	–1.00	
13	–1.00	0.00	

VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 3 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/19/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 3 EXCAVATION

Cut(−)/Fill(+) Table

Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
1	−12.39	−12.00	
2	−12.00	−11.00	
3	−11.00	−10.00	
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6	−8.00	−7.00	
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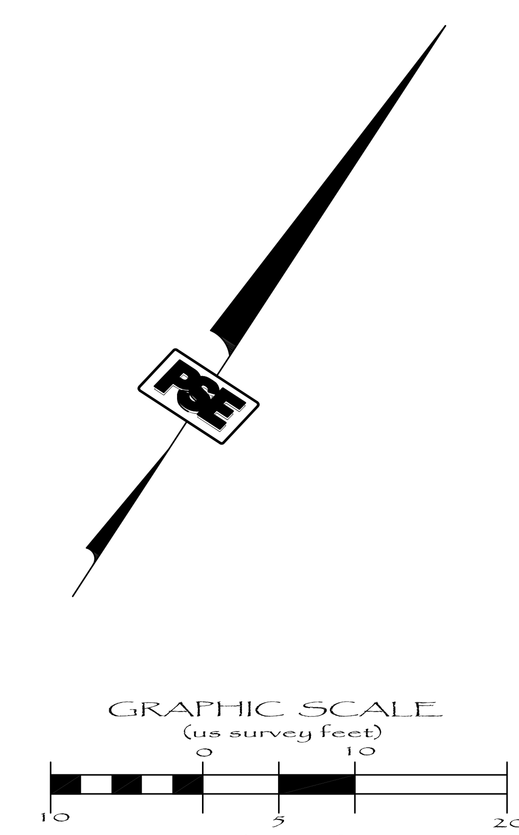
13	−1.00	0.00	



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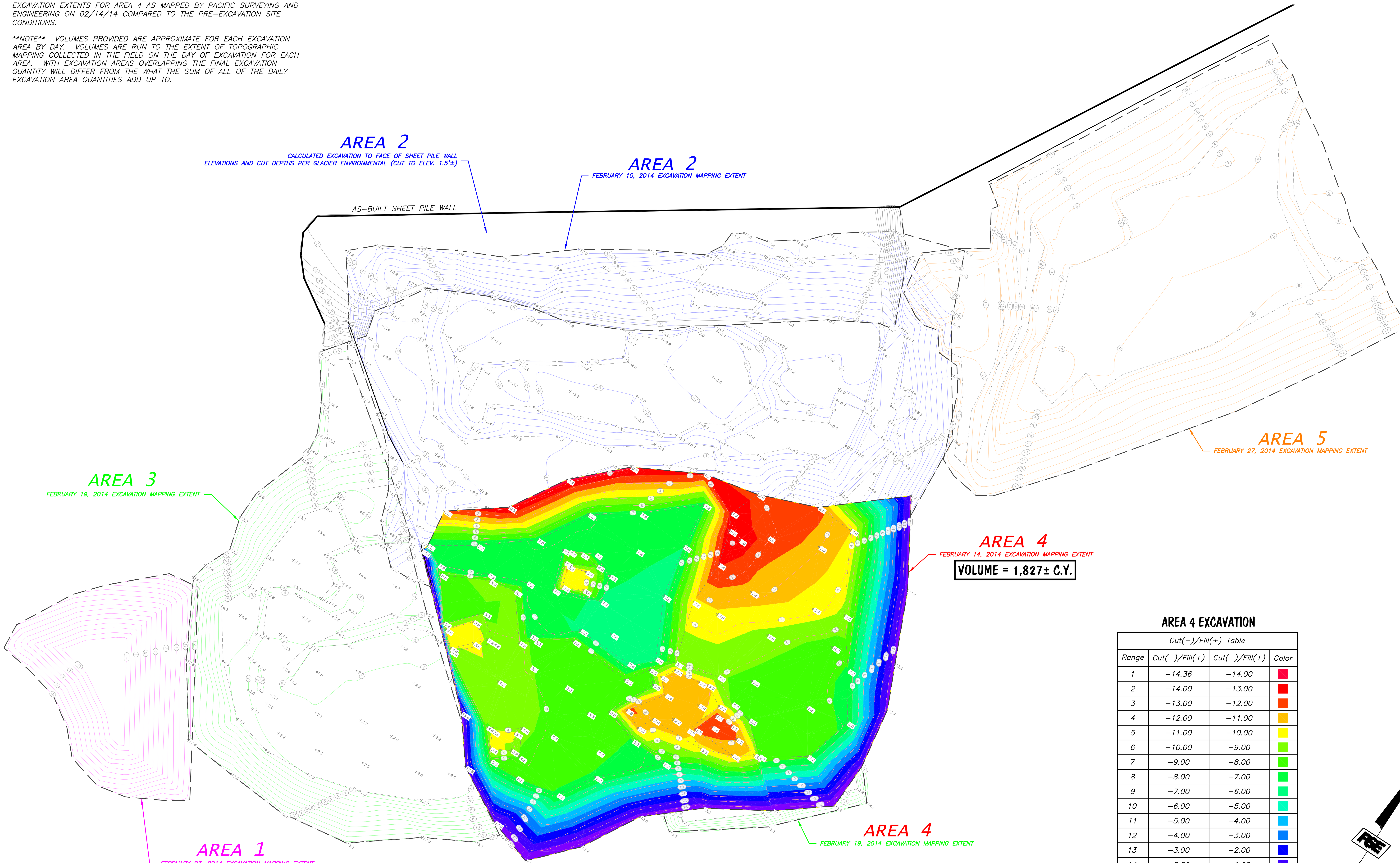
www.psesurvey.com
EMAIL: pse@psesurvey.com

VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 4 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/14/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 4 EXCAVATION

Cut(–)/Fill(+) Table			
Range	Cut(–)/Fill(+)	Cut(–)/Fill(+)	Color
1	–14.36	–14.00	
2	–14.00	–13.00	
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7	–9.00	–8.00	
8	–8.00	–7.00	
9	–7.00	–6.00	
10	–6.00	–5.00	
11	–5.00	–4.00	
12	–4.00	–3.00	
13	–3.00	–2.00	
14	–2.00	–1.00	
15	–1.00	0.00	

GRAPHIC SCALE
(us survey feet)
1 inch = 10 feet

PACIFIC SURVEY & ENGINEERING INC
1812 CORNWALL, BELLINGHAM, WA 98225 PHONE:671.7387 FAX:671.4685
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PACIFIC SURVEY & ENGINEERING INC www.psesurvey.com
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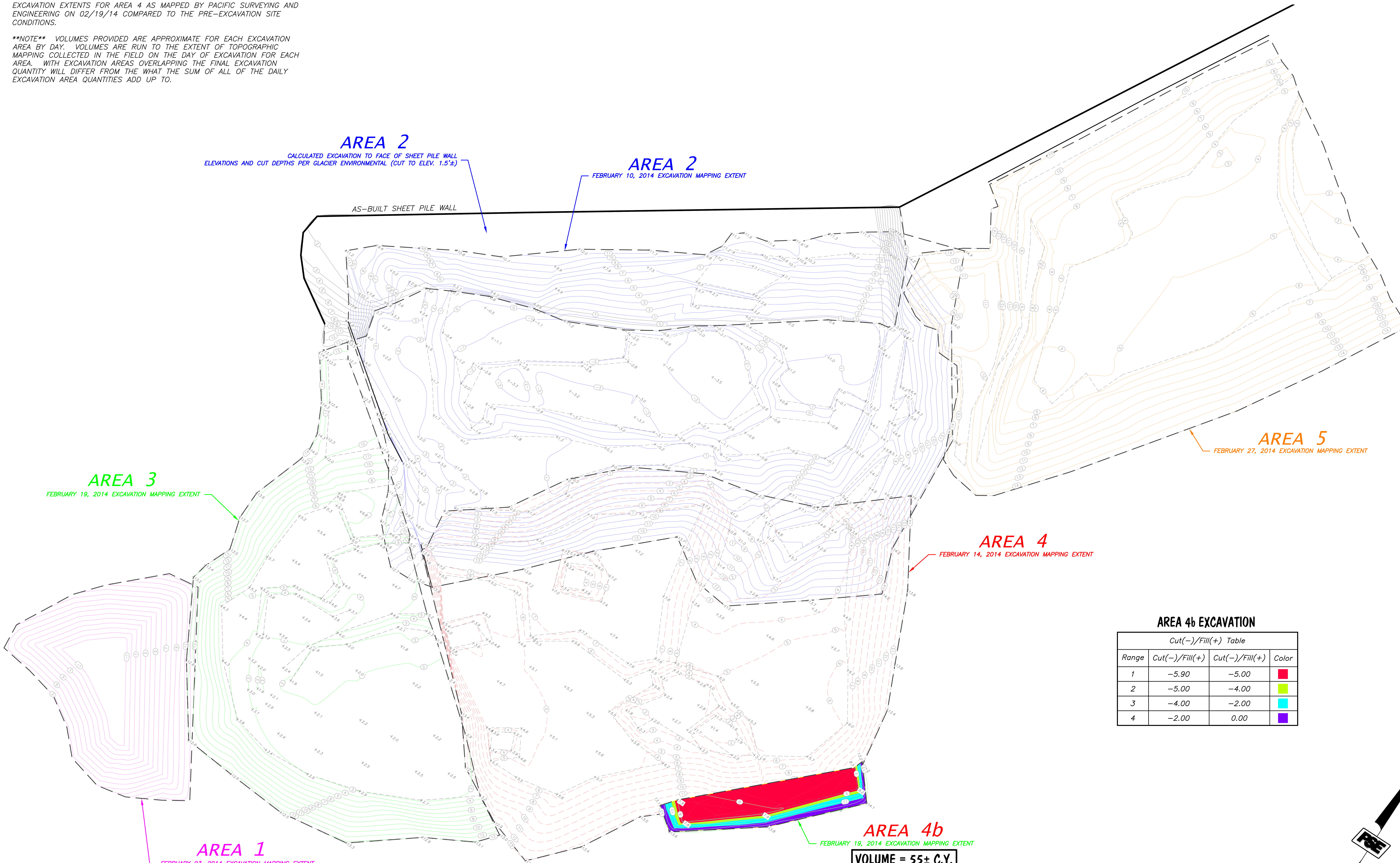
VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 4 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/19/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 4b EXCAVATION

Cut(–)/Fill(+) Table			
Range	Cut(–)/Fill(+)	Cut(–)/Fill(+)	Color
1	–5.90	–5.00	
2	–5.00	–4.00	
3	–4.00	–2.00	
4	–2.00	0.00	

GRAPHIC SCALE
(us survey feet)
1 inch = 10 feet

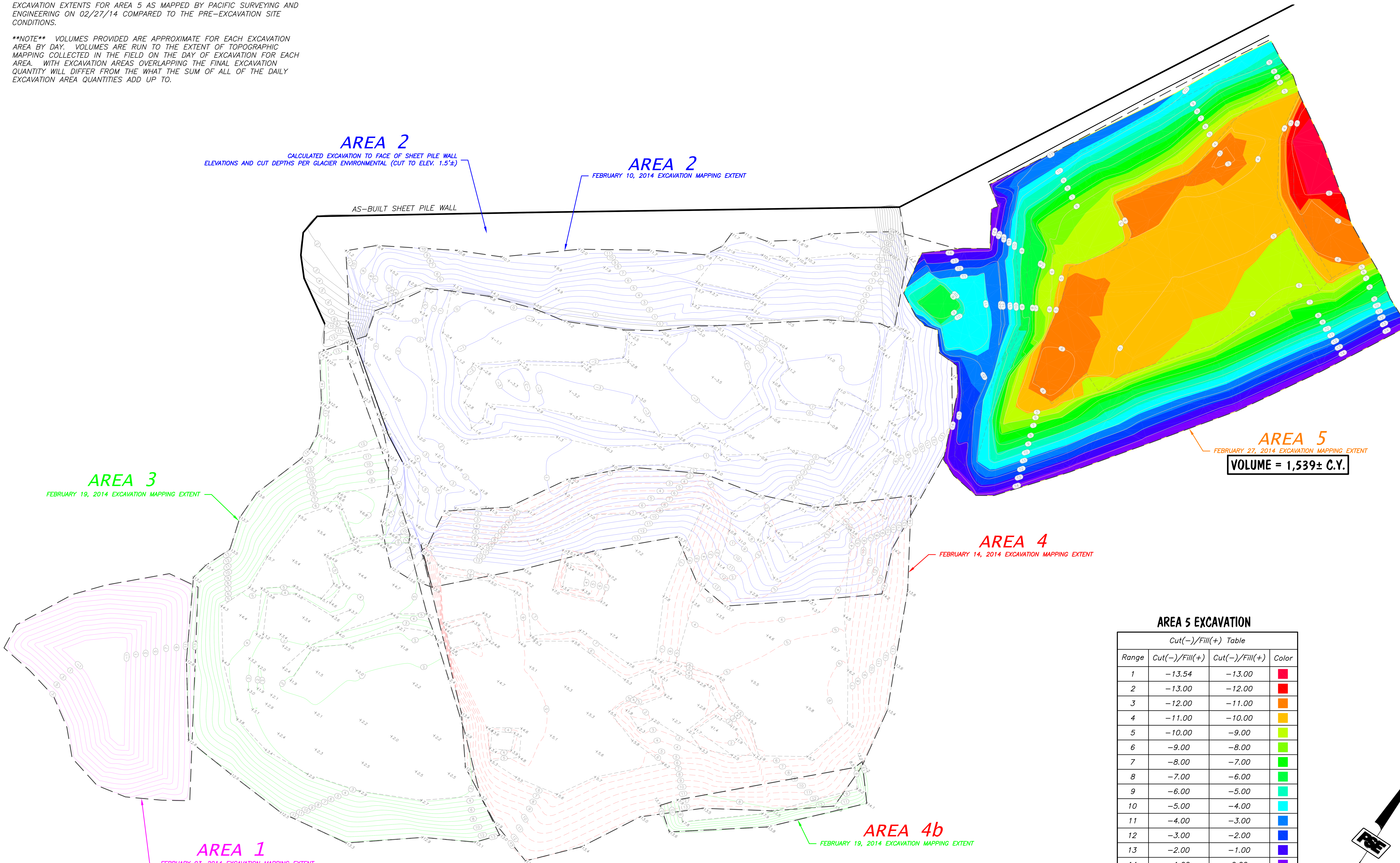
PACIFIC SURVEY & ENGINEERING INC www.psesurvey.com
1812 CORNWALL, BELLINGHAM, WA 98225 PHONE:671.7387 FAX:671.4685 EMAIL: pse@psesurvey.com

VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 5 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/27/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 5 EXCAVATION

Cut(−)/Fill(+) Table			
Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
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2	−13.00	−12.00	
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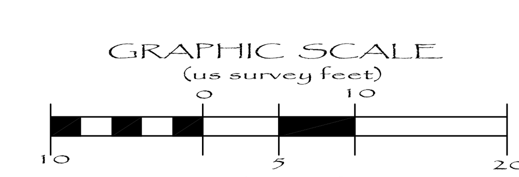
8	−7.00	−6.00	
9	−6.00	−5.00	
10	−5.00	−4.00	
11	−4.00	−3.00	
12	−3.00	−2.00	
13	−2.00	−1.00	
14	−1.00	0.00	



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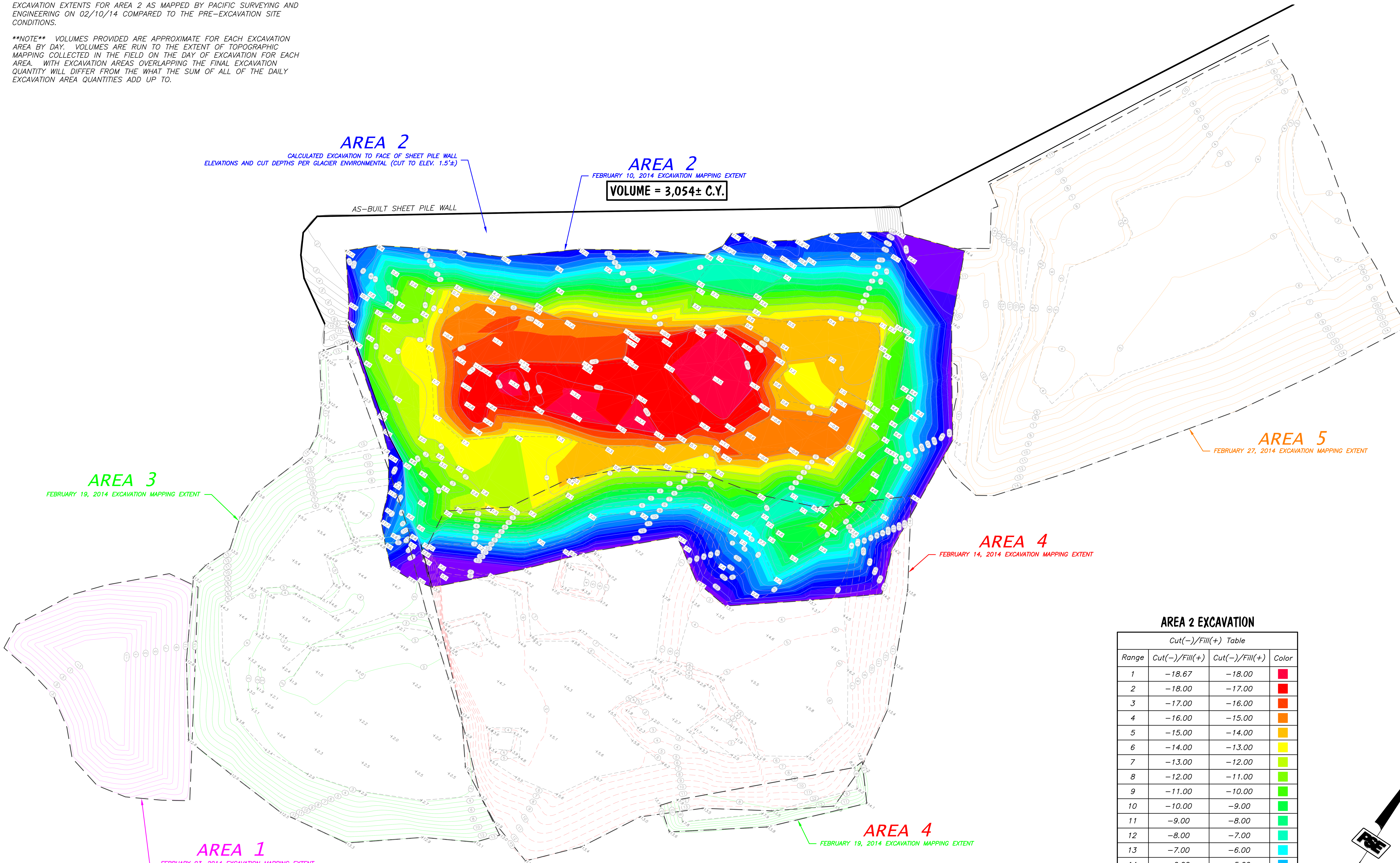
VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

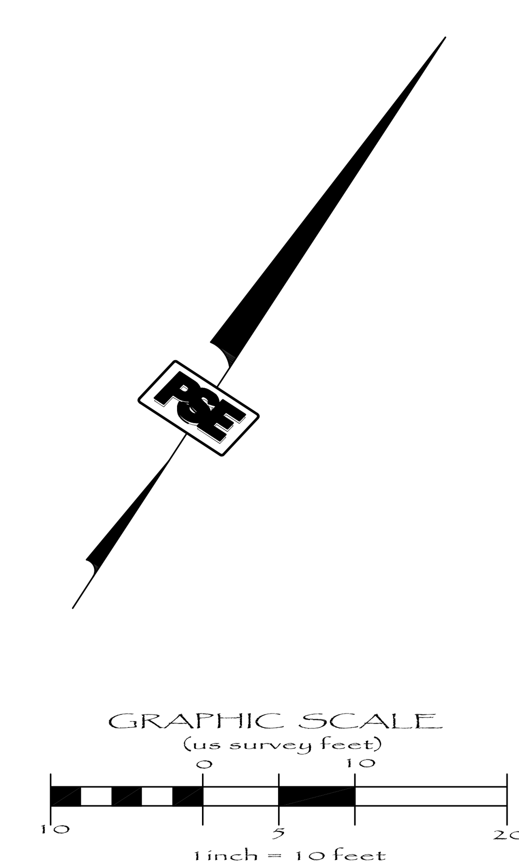
NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 2 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/10/14 COMPARED TO THE PRE–EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 2 EXCAVATION

Cut(–)/Fill(+) Table			
Range	Cut(–)/Fill(+)	Cut(–)/Fill(+)	Color
1	–18.67	–18.00	
2	–18.00	–17.00	
3	–17.00	–16.00	
4	–16.00	–15.00	
5	–15.00	–14.00	
6	–14.00	–13.00	
7	–13.00	–12.00	
8	–12.00	–11.00	
9	–11.00	–10.00	
10	–10.00	–9.00	
11	–9.00	–8.00	
12	–8.00	–7.00	
13	–7.00	–6.00	
14	–6.00	–5.00	
15	–5.00	–4.00	
16	–4.00	–3.00	
17	–3.00	–2.00	
18	–2.00	–1.00	
19	–1.00	0.00	

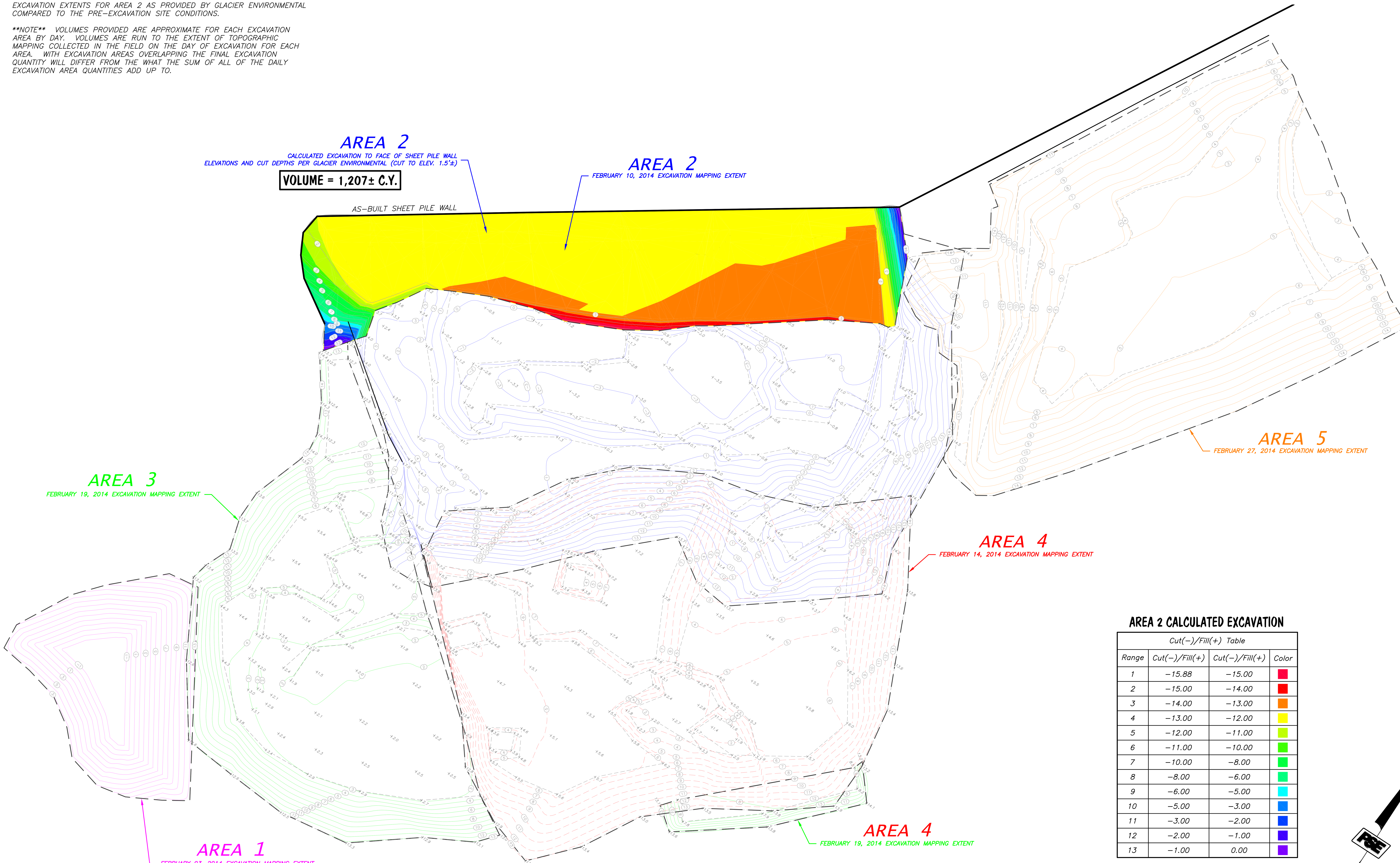


VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 2 AS PROVIDED BY GLACIER ENVIRONMENTAL COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 2 CALCULATED EXCAVATION

Cut(-)/Fill(+) Table

Range	Cut(-)/Fill(+)	Cut(-)/Fill(+)	Color
1	-15.88	-15.00	
2	-15.00	-14.00	
3	-14.00	-13.00	
4	-13.00	-12.00	
5	-12.00	-11.00	
6	-11.00	-10.00	
7	-10.00	-8.00	
8	-8.00	-6.00	
9	-6.00	-5.00	
10	-5.00	-3.00	
11	-3.00	-2.00	
12	-2.00	-1.00	
13	-1.00	0.00	

GRAPHIC SCALE
(us survey feet)
1 inch = 10 feet

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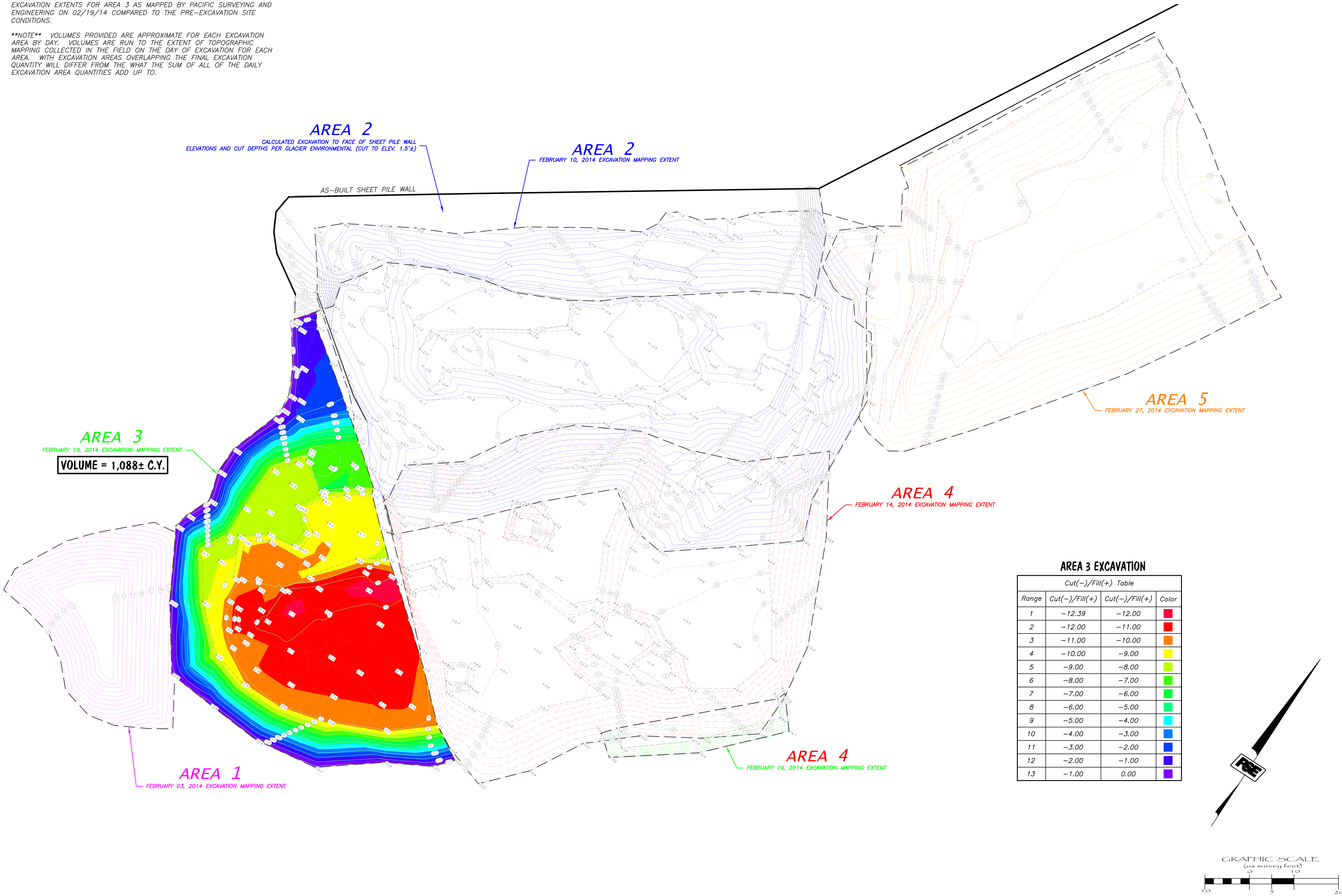
VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 3 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/19/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 3 EXCAVATION

Cut(−)/Fill(+) Table

Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
1	−12.39	−12.00	
2	−12.00	−11.00	
3	−11.00	−10.00	
4	−10.00	−9.00	
5	−9.00	−8.00	
6	−8.00	−7.00	
7	−7.00	−6.00	
8	−6.00	−5.00	
9	−5.00	−4.00	
10	−4.00	−3.00	
11	−3.00	−2.00	
12	−2.00	−1.00	
13	−1.00	0.00	

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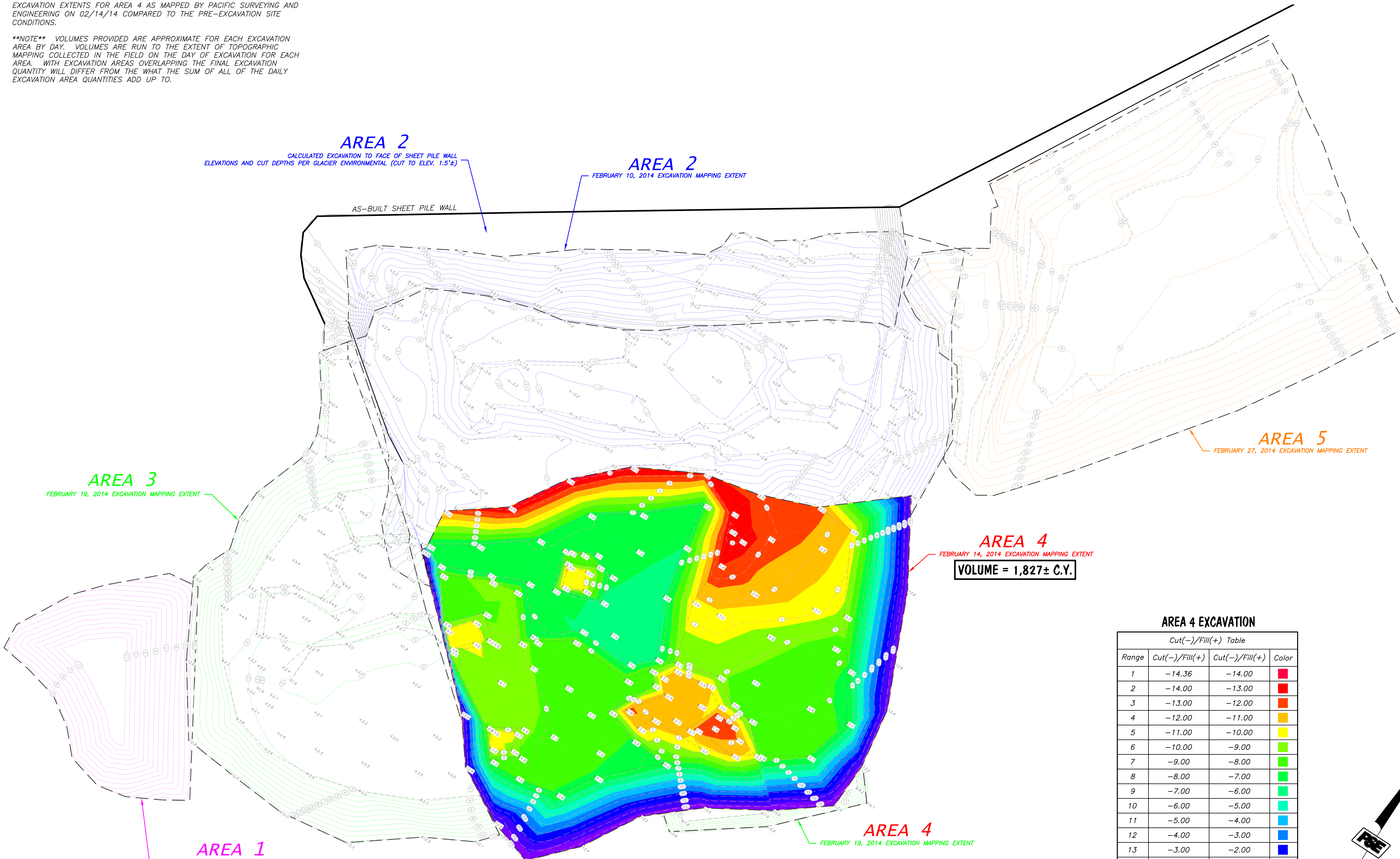
VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 4 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/14/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

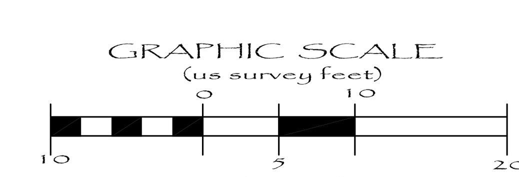
NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 4 EXCAVATION

Cut(-)/Fill(+) Table

Range	Cut(-)/Fill(+)	Cut(-)/Fill(+)	Color
1	-14.36	-14.00	
2	-14.00	-13.00	
3	-13.00	-12.00	
4	-12.00	-11.00	
5	-11.00	-10.00	
6	-10.00	-9.00	
7	-9.00	-8.00	
8	-8.00	-7.00	
9	-7.00	-6.00	
10	-6.00	-5.00	
11	-5.00	-4.00	
12	-4.00	-3.00	
13	-3.00	-2.00	
14	-2.00	-1.00	
15	-1.00	0.00	

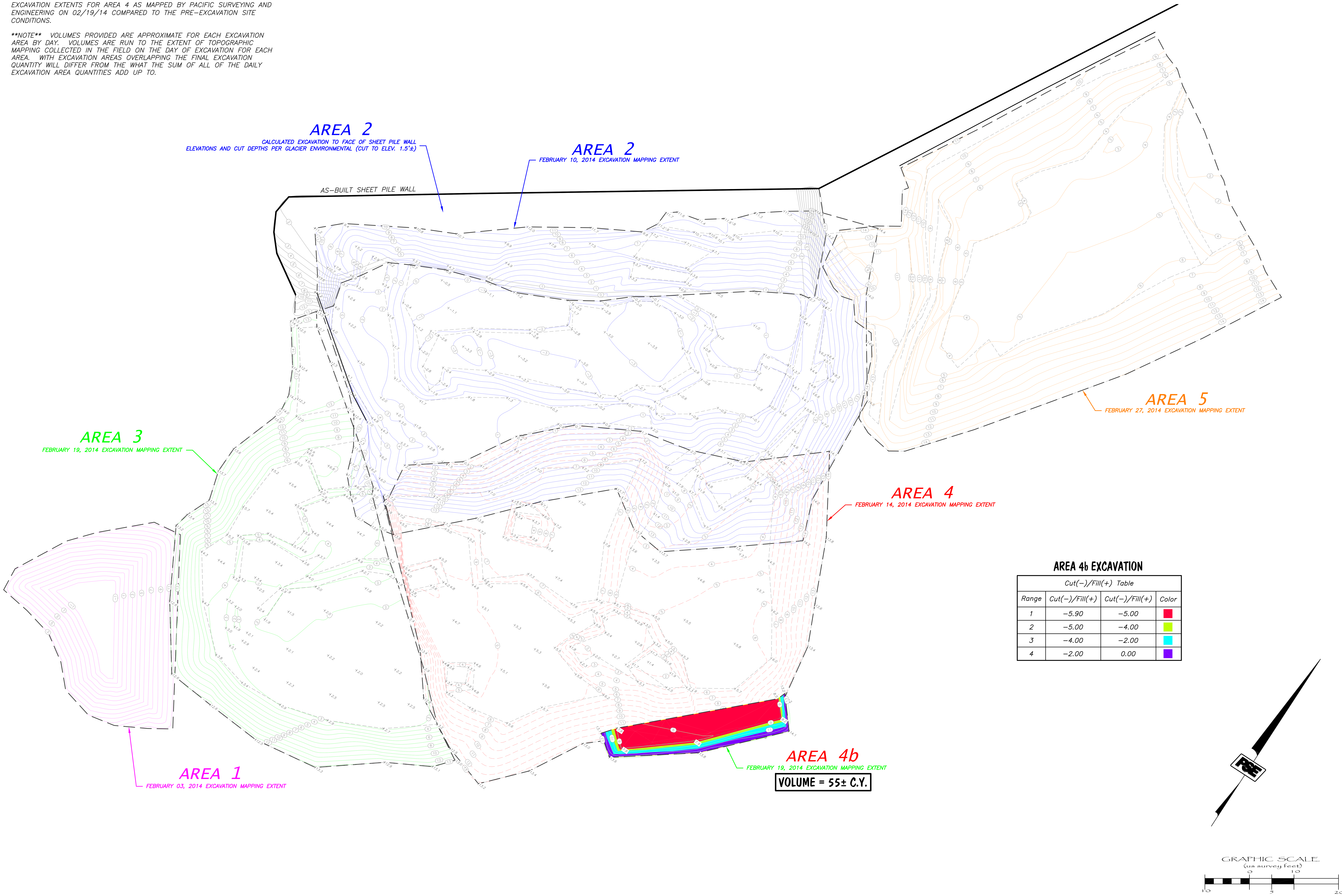


VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 4 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/19/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 4b EXCAVATION

Cut(-)/Fill(+) Table

Range	Cut(-)/Fill(+)	Cut(-)/Fill(+)	Color
1	-5.90	-5.00	
2	-5.00	-4.00	
3	-4.00	-2.00	
4	-2.00	0.00	

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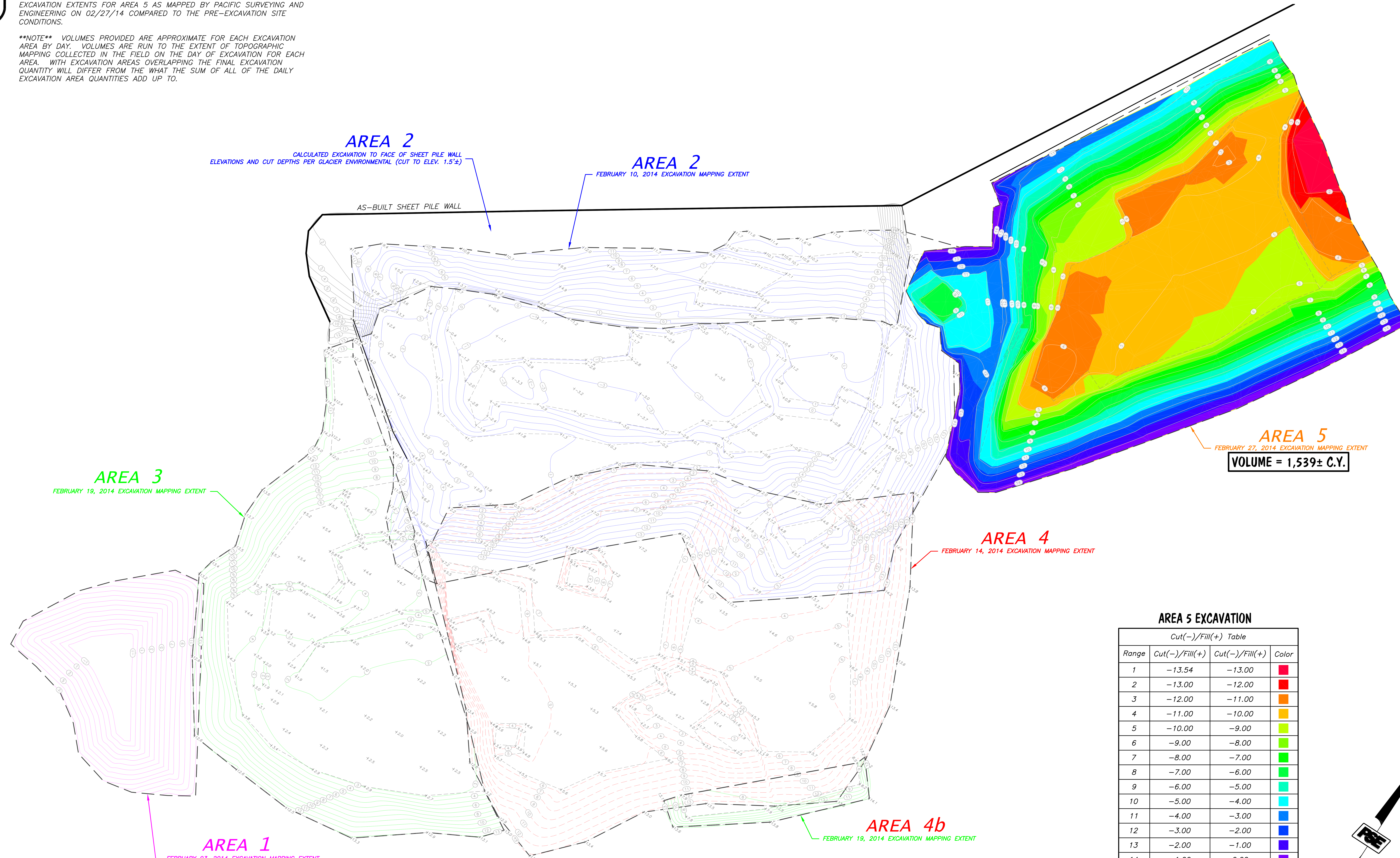
VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 02/27/2014 MAPPING

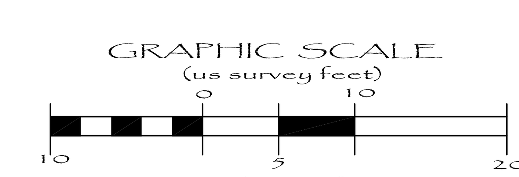
NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 5 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/27/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 5 EXCAVATION

Cut(−)/Fill(+) Table			
Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
1	−13.54	−13.00	
2	−13.00	−12.00	
3	−12.00	−11.00	
4	−11.00	−10.00	
5	−10.00	−9.00	
6	−9.00	−8.00	
7	−8.00	−7.00	
8	−7.00	−6.00	
9	−6.00	−5.00	
10	−5.00	−4.00	
11	−4.00	−3.00	
12	−3.00	−2.00	
13	−2.00	−1.00	
14	−1.00	0.00	



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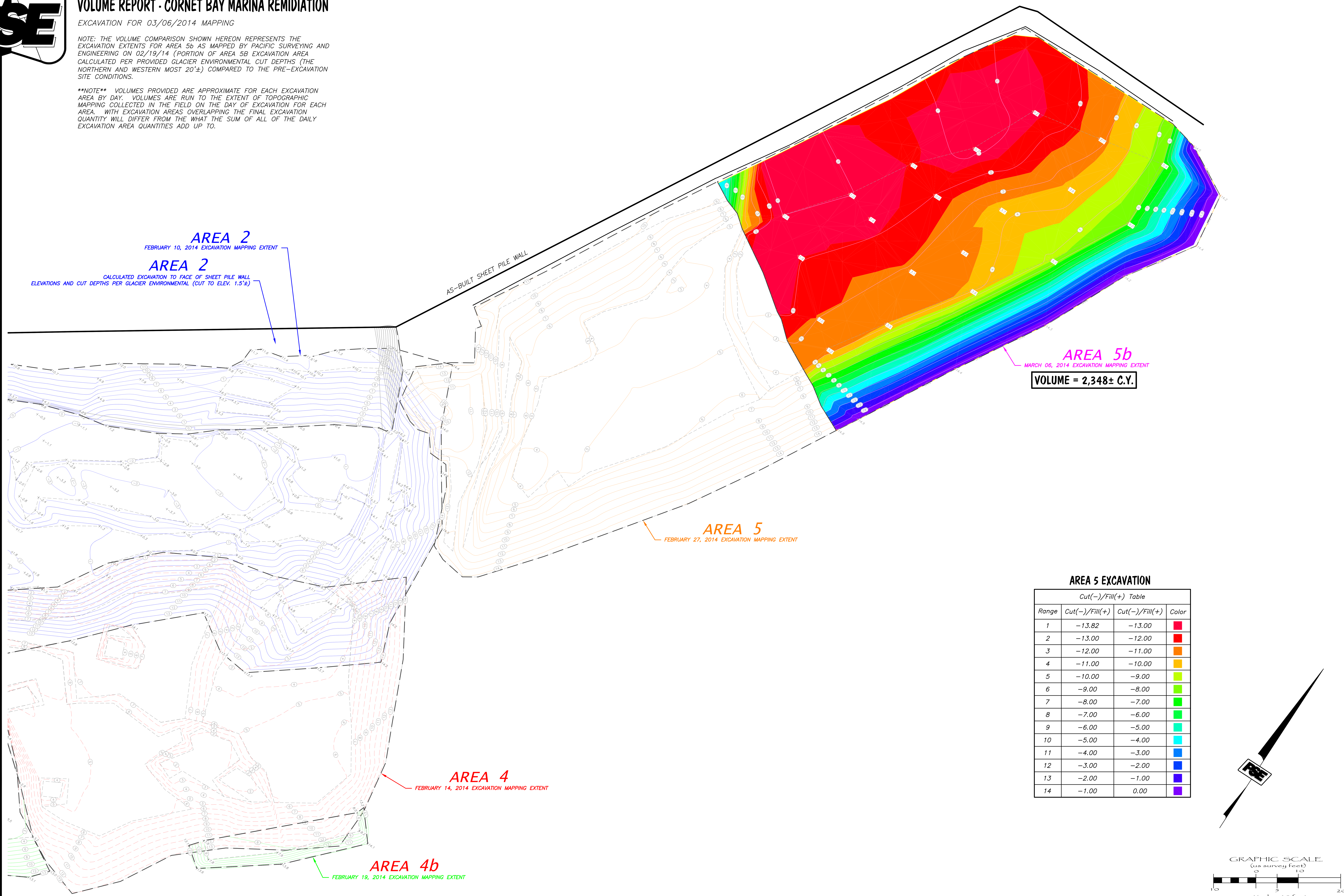
VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 03/06/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 5b AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 02/19/14 (PORTION OF AREA 5B EXCAVATION AREA CALCULATED PER PROVIDED GLACIER ENVIRONMENTAL CUT DEPTHS (THE NORTHERN AND WESTERN MOST 20'±) COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 5 EXCAVATION

Cut(−)/Fill(+) Table			
Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
1	−13.82	−13.00	
2	−13.00	−12.00	
3	−12.00	−11.00	
4	−11.00	−10.00	
5	−10.00	−9.00	
6	−9.00	−8.00	
7	−8.00	−7.00	
8	−7.00	−6.00	
9	−6.00	−5.00	
10	−5.00	−4.00	
11	−4.00	−3.00	
12	−3.00	−2.00	
13	−2.00	−1.00	
14	−1.00	0.00	

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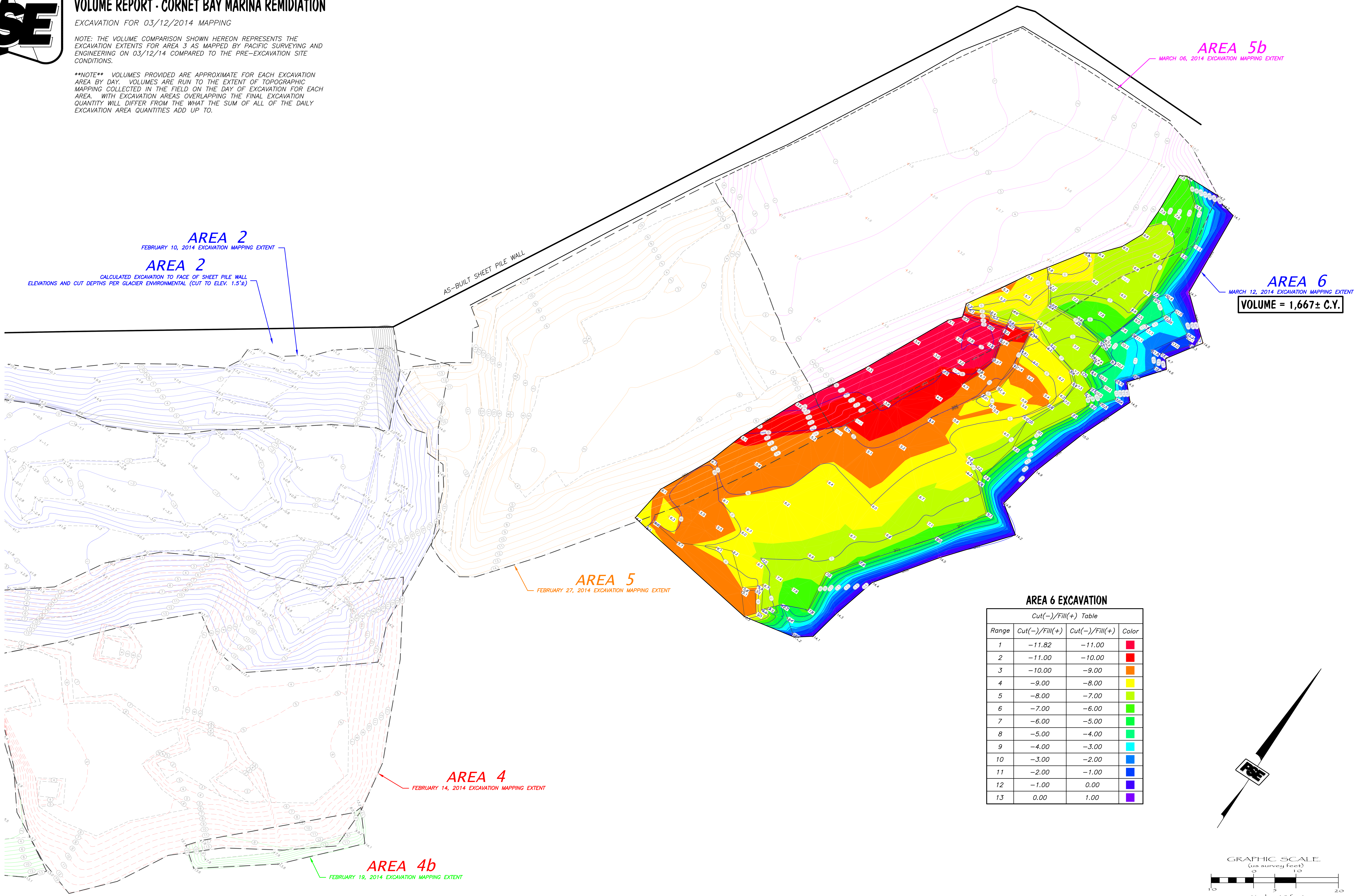
VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 03/12/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 3 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 03/12/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 6 EXCAVATION

Cut(−)/Fill(+) Table

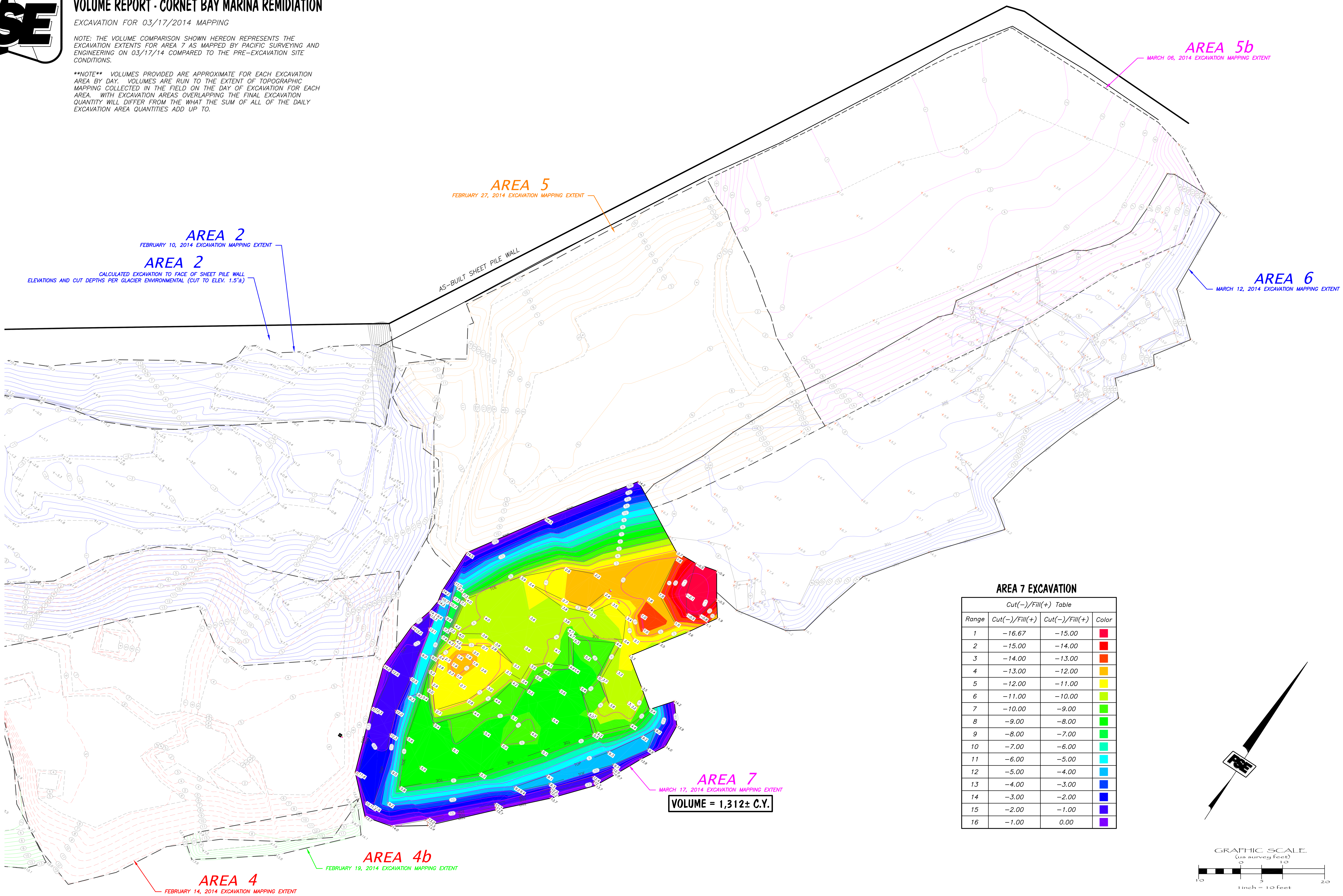
Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
1	−11.82	−11.00	
2	−11.00	−10.00	
3	−10.00	−9.00	
4	−9.00	−8.00	
5	−8.00	−7.00	
6	−7.00	−6.00	
7	−6.00	−5.00	
8	−5.00	−4.00	
9	−4.00	−3.00	
10	−3.00	−2.00	
11	−2.00	−1.00	
12	−1.00	0.00	
13	0.00	1.00	

VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION FOR 03/17/2014 MAPPING

NOTE: THE VOLUME COMPARISON SHOWN HEREON REPRESENTS THE EXCAVATION EXTENTS FOR AREA 7 AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 03/17/14 COMPARED TO THE PRE-EXCAVATION SITE CONDITIONS.

NOTE VOLUMES PROVIDED ARE APPROXIMATE FOR EACH EXCAVATION AREA BY DAY. VOLUMES ARE RUN TO THE EXTENT OF TOPOGRAPHIC MAPPING COLLECTED IN THE FIELD ON THE DAY OF EXCAVATION FOR EACH AREA. WITH EXCAVATION AREAS OVERLAPPING THE FINAL EXCAVATION QUANTITY WILL DIFFER FROM THE WHAT THE SUM OF ALL OF THE DAILY EXCAVATION AREA QUANTITIES ADD UP TO.



AREA 7 EXCAVATION

Cut(−)/Fill(+) Table			
Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
1	−16.67	−15.00	
2	−15.00	−14.00	
3	−14.00	−13.00	
4	−13.00	−12.00	
5	−12.00	−11.00	
6	−11.00	−10.00	
7	−10.00	−9.00	
8	−9.00	−8.00	
9	−8.00	−7.00	
10	−7.00	−6.00	
11	−6.00	−5.00	
12	−5.00	−4.00	
13	−4.00	−3.00	
14	−3.00	−2.00	
15	−2.00	−1.00	
16	−1.00	0.00	

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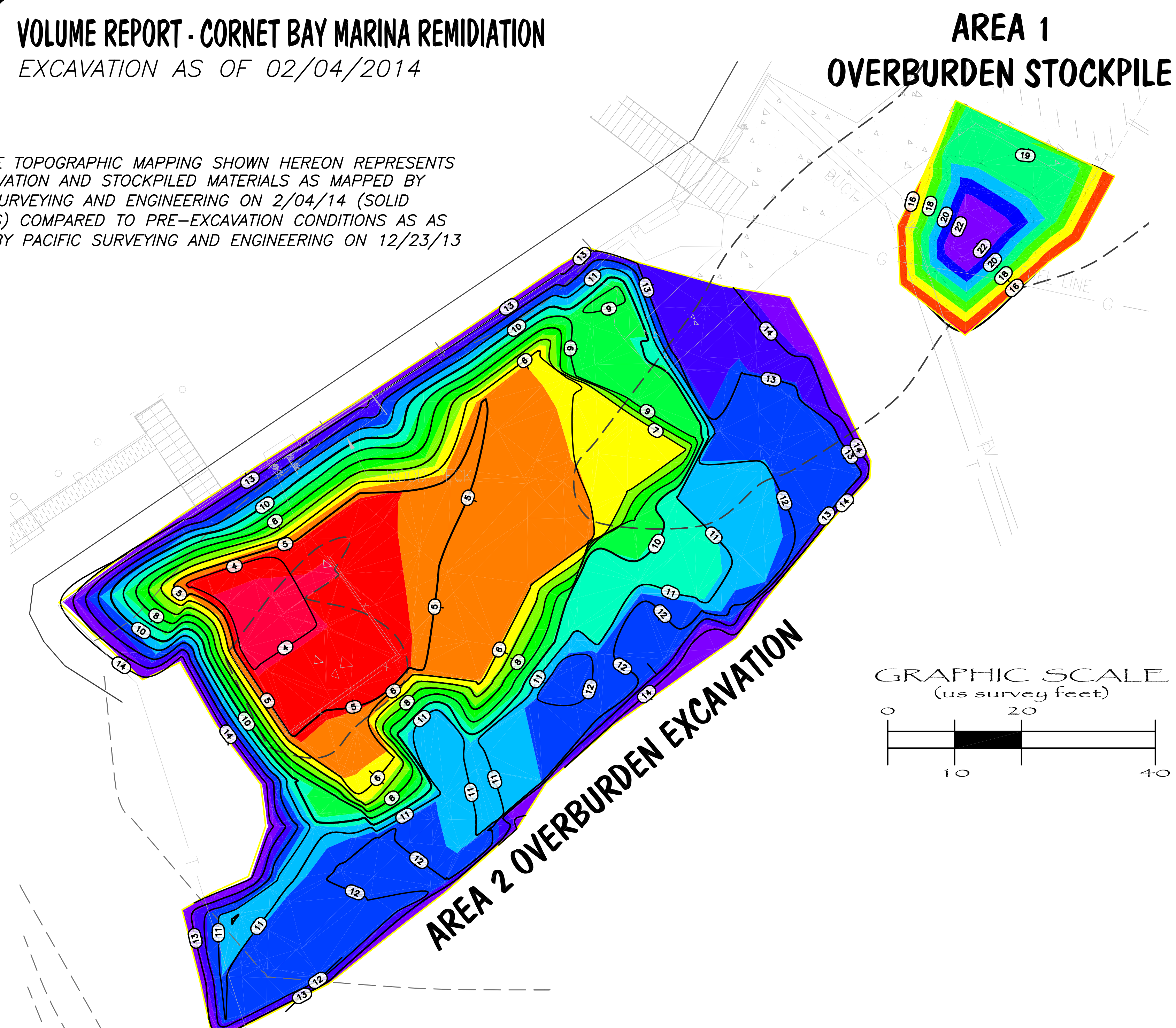
VOLUME REPORT - CORNET BAY MARINA REMIDIATION

EXCAVATION AS OF 02/04/2014

PREPARED: FEB. 07, 2014

NOTE: THE TOPOGRAPHIC MAPPING SHOWN HEREON REPRESENTS THE EXCAVATION AND STOCKPILED MATERIALS AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 2/04/14 (SOLID CONTOURS) COMPARED TO PRE-EXCAVATION CONDITIONS AS AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 12/23/13



AREA 2 OVERBURDEN EXCAVATION VOLUME = 1377.0 C.Y.
AREA 1 OVERBURDEN STOCKPILE VOLUME = 81.0 C.Y.

AREA 2 CUT/FILL TABLE

Range	Cut(-)/Fill(+)	Cut(-)/Fill(+)	Color
1	-11.40	-11.00	
2	-11.00	-10.00	
3	-10.00	-9.00	
4	-9.00	-8.00	
5	-8.00	-7.00	
6	-7.00	-6.00	
7	-6.00	-5.00	
8	-5.00	-4.00	
9	-4.00	-3.00	
10	-3.00	-2.00	
11	-2.00	-1.00	
12	-1.00	0.00	

AREA 1 CUT/FILL TABLE

Range	Cut(-)/Fill(+)	Cut(-)/Fill(+)	Color
1	-0.34	0.00	
2	0.00	1.00	
3	1.00	2.00	
4	2.00	3.00	
5	3.00	4.00	
6	4.00	5.00	
7	5.00	6.00	
8	6.00	7.25	

VOLUME REPORT - CORNET BAY MARINA REMIDIATION

STOCKPILED MATERIAL FOR 02/14/2014

PREPARED: FEB. 27, 2014

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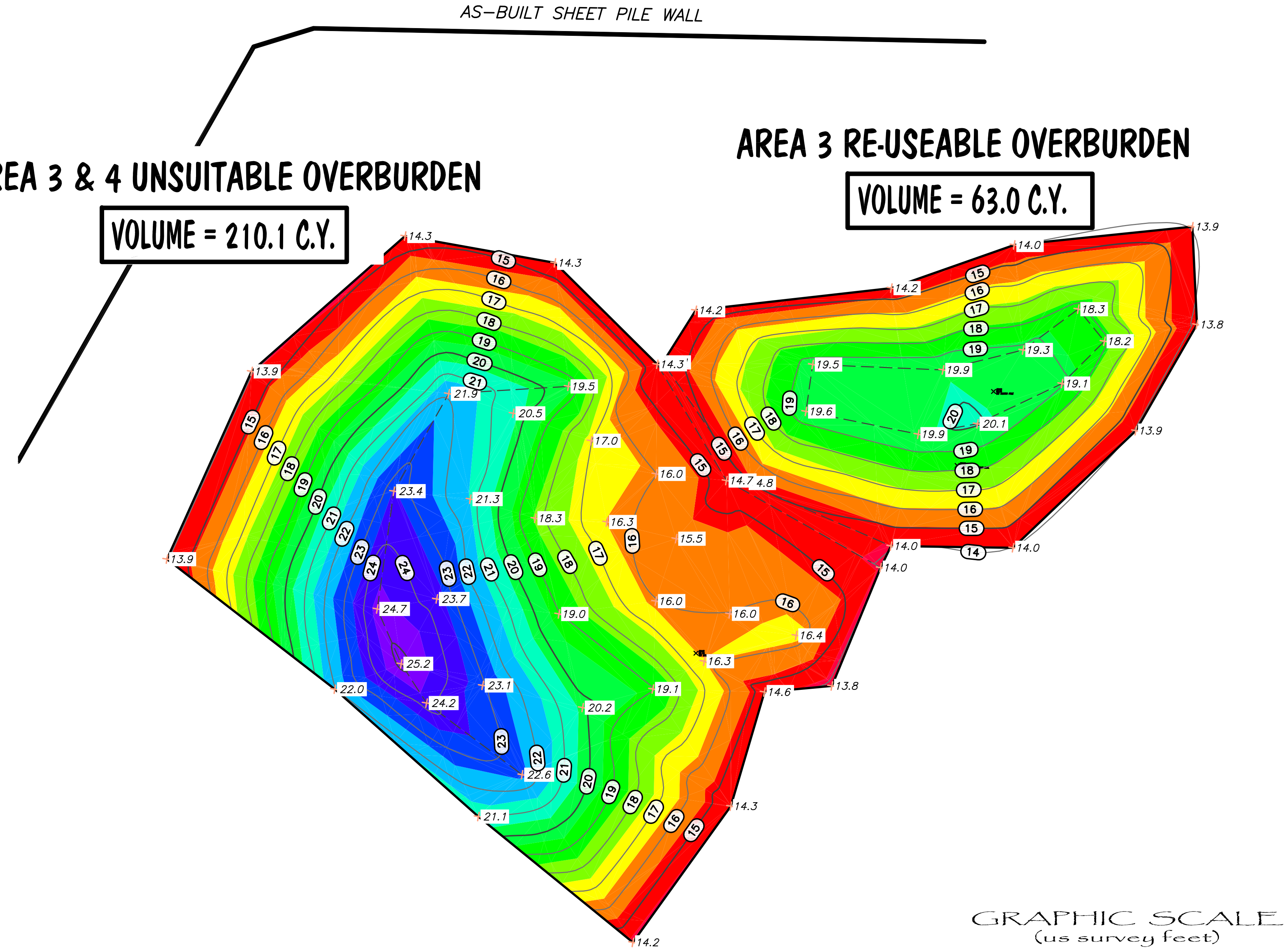
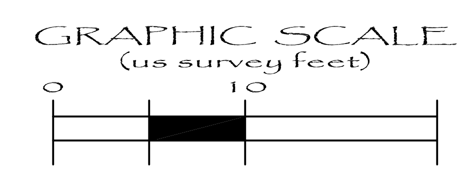
NOTE: THE TOPOGRAPHIC MAPPING SHOWN HEREON REPRESENTS THE STOCKPILED MATERIALS AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 2/14/14 (SOLID CONTOURS) COMPARED TO PRE–EXCAVATION CONDITIONS AS AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 12/23/13



Cut(–)/Fill(+) Table

Range	Cut(–)/Fill(+)	Cut(–)/Fill(+)	Color
1	–0.40	0.00	
2	0.00	1.00	
3	1.00	2.00	
4	2.00	3.00	
5	3.00	4.00	
6	4.00	5.00	
7	5.00	6.00	
8	6.00	7.00	
9	7.00	8.00	
10	8.00	9.00	
11	9.00	10.00	
12	10.00	11.00	



VOLUME REPORT - CORNET BAY MARINA REMIDIATION

STOCKPILED MATERIAL FOR 02/27/2014

PREPARED: FEB. 28, 2014

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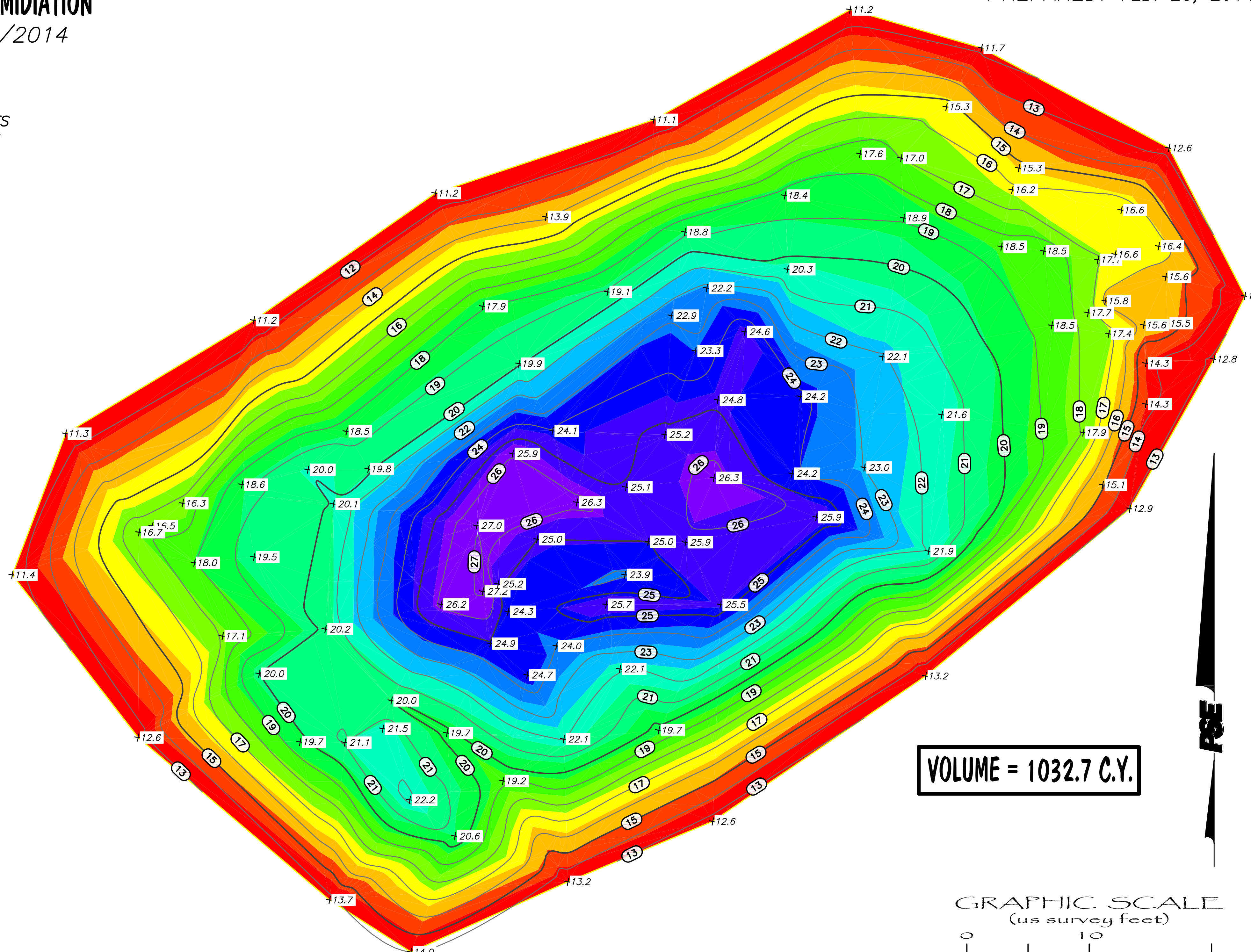
NOTE: THE TOPOGRAPHIC MAPPING SHOWN HEREON REPRESENTS THE STOCKPILED MATERIALS AS MAPPED BY PACIFIC SURVEYING AND ENGINEERING ON 2/27/14 (SOLID CONTOURS) COMPARED TO STOCKPILE TOE TO TOE INTERPOLATION.

AREA 5 UNSUITABLE OVERBURDEN

Cut(−)/Fill(+) Table			
Range	Cut(−)/Fill(+)	Cut(−)/Fill(+)	Color
1	0.00	0.00	
2	0.00	1.00	
3	1.00	2.00	
4	2.00	3.00	
5	3.00	4.00	
6	4.00	5.00	
7	5.00	6.00	
8	6.00	7.00	
9	7.00	8.00	
10	8.00	9.00	
11	9.00	10.00	
12	10.00	11.00	
13	11.00	12.00	
14	12.00	13.00	
15	13.00	14.40	



VOLUME = 1032.7 C.Y.

GRAPHIC SCALE
(us survey feet)

0 5 10 20


2013180 – CORNET BAY
TOPOGRAPHIC CONDITIONS AS MAPPED BY PSE ON 12/23/2013
AERIAL IMAGERY PER GOOGLE EARTH, 2011
DESIGN GEOMETRY (PER SHEET C10) SHOWN IN RED
GRAPHIC SCALE
(us survey feet)
0
15
30
60

U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
National Flood Insurance Program

ELEVATION CERTIFICATE

IMPORTANT: Follow the instructions on pages 1–9.

OMB No. 1660-0008
Expiration Date: July 31, 2015

SECTION A – PROPERTY INFORMATION

FOR INSURANCE COMPANY USE
Policy Number:
Company NAIC Number:

A1. Building Owner's Name Deception Pass Marina, Inc

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
200 West Cornet Bay Rd.

City Oak Harbor State WA ZIP Code 98277

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
R13436-517-2500

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Non-Residential

A5. Latitude/Longitude: Lat. N48-23-51.65 Long. W122-37-36.29 Horizontal Datum: ☐ NAD 1927 ☒ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number 1B

A8. For a building with a crawlspace or enclosure(s):
- a) Square footage of crawlspace or enclosure(s) ______ sq ft
- b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade ______
- c) Total net area of flood openings in A8.b ______ sq in
- d) Engineered flood openings? ☐ Yes ☐ No

A9. For a building with an attached garage:
- a) Square footage of attached garage ______ sq ft
- b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade ______
- c) Total net area of flood openings in A9.b ______ sq in
- d) Engineered flood openings? ☐ Yes ☐ No

SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
Island County Un Inc. - 530312	Island County	WA

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/ Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
53029C0045E	E	02/02/2007	02/02/2007	A	13.0

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:
☐ FIS Profile ☐ FIRM ☒ Community Determined ☐ Other/Source: ______

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: ______

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date: ____ / ____ / ____ ☐ CBRS ☐ OPA

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: Tidal 2 Reset (PID TR2729) Vertical Datum: NAVD88

Indicate elevation datum used for the elevations in items a) through h) below. ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: ______
Datum used for building elevations must be the same as that used for the BFE.

	Elevation	Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	15 . 0	☒ feet	☐ meters
b) Top of the next higher floor	N/A .	☐ feet	☐ meters
c) Bottom of the lowest horizontal structural member (V Zones only)	N/A .	☐ feet	☐ meters
d) Attached garage (top of slab)	N/A .	☐ feet	☐ meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	N/A .	☐ feet	☐ meters
f) Lowest adjacent (finished) grade next to building (LAG)	14 . 9	☒ feet	☐ meters
g) Highest adjacent (finished) grade next to building (HAG)	15 . 0	☒ feet	☐ meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	N/A .	☐ feet	☐ meters

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. *I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

☒ Check here if comments are provided on back of form.
☐ Check here if attachments.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

JESSE JOEL ALLEN
STATE OF WASHINGTON
50978 6-27-14
REGISTERED
PROFESSIONAL LAND SURVEYOR

Certifier's Name		License Number	
Jesse Joel Allen		50978	
Title: Professional Land Surveyor	Company Name: Pacific Survey & Engineering		
Address: 1812 Cornwall Ave	City: Bellingham	State: WA	ZIP Code: 98225
Signature: Jesse Allen	Date: 06/26/2014	Telephone: (360) 671-7387	

FEMA Form 086-0-33 (7/12) See reverse side for continuation. Replaces all previous editions.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 200 West Cornet Bay Rd.			Policy Number:
City Oak Harbor	State WA	ZIP Code 98277	Company NAIC Number:

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments Island County Floodplain Administrator Andy Griffin (360) 679-7308 Provided the Community Determined Base Flood Elevation NAVD88 Elevation = 13.0

Signature Jesse Am Date 6-27-14

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B,and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).

a) Top of bottom floor (including basement, crawlspace, or enclosure) is ____ . ____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

b) Top of bottom floor (including basement, crawlspace, or enclosure) is ____ . ____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is ____ . ____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E3. Attached garage (top of slab) is ____ . ____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is ____ . ____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name

Address City State ZIP Code

Signature Date Telephone

Comments

☐ Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. ☐ The following information (Items G4–G9) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: ____ . ____ ☐ feet ☐ meters Datum ________

G9. BFE or (in Zone AO) depth of flooding at the building site: ____ . ____ ☐ feet ☐ meters Datum ________

G10. Community's design flood elevation: ____ . ____ ☐ feet ☐ meters Datum ________

Local Official's Name Title

Community Name Telephone

Signature Date

Comments

☐ Check here if attachments.

ELEVATION CERTIFICATE, page 3

BUILDING PHOTOGRAPHS
See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 200 West Cornet Bay Rd.			Policy Number:
City Oak Harbor	State WA	ZIP Code 98277	Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

Right side Looking South
6-25-2014

BUILDING PHOTOGRAPHS
Continuation Page

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 200 West Cornet Bay Rd.			Policy Number:
City Oak Harbor	State WA	ZIP Code 98277	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

Left side looking North
6-25-2014

BUILDING PHOTOGRAPHS
Continuation Page

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 200 West Cornet Bay Rd.			Policy Number:
City Oak Harbor	State WA	ZIP Code 98277	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

Front side Looking West
6-25-2014