

**Procurement Services Division**

Public Services Building
2051 Kaen Road
Oregon City, OR 97045
(503) 742-5444 (Office)

**REQUEST FOR QUOTES (RFQ) #2016-04 Hebb Park Boat Dock
Replacement Project Phase 1- Earthwork**

Issue Date: August 03, 2016

Project Name:	Hebb Park Boat Dock Replacement Project Phase 1 - Earthwork		
Quote Due Date/Time:	August 18, 4:00 PM		
Mandatory Walkthrough:	n/a		
Project Coordinator	Rick Gruen	Phone:	503-742-4345
		Email:	rgruen@clackamas.us
Buyer:	Ryan Rice	Phone:	503-742-5446
		Email:	rrice@clackamas.us

**SUBMIT QUOTES VIA EMAIL TO PROCUREMENT@CLACKAMAS.US
COORDINATOR OR MAIL/HAND DELIVERY TO THE ABOVE ADDRESS**

**PLEASE NOTE: EMAIL SUBMISSIONS SHOULD HAVE
“#2016-04 HEBB PARK PHASE 1-EARTHWORK” IN THE SUBJECT LINE**

1. ANNOUNCEMENT AND SPECIAL INFORMATION

Quoters are required to read and understand and comply with all information contained within this Request for Quotes (“RFQ”). All quotes are binding upon Quoter for sixty (60) days from the Quote Due Date/Time. All payments for services will be paid in accordance to ORS 293.462. Quotes received after the Quote Due Date/Time may not be considered. If authorized in the RFQ and resulting contract, travel and other expense reimbursement will only be reimbursed in accordance with the Clackamas County travel reimbursement policy at the time the expense is incurred.

It will be the responsibility of potential Quoters to refer daily to the Bids and Contract Information Page (www.clackamas.us/bids/index.html) to check for any available addenda, response to clarifying questions, cancellations or other information pertaining to this RFQ.

2. SCOPE

The purpose of this RFQ is for the earthwork related to Hebb Park Boat Dock Replacement Project. Earthwork will consist of grading, sediment removal, boat ramp scour repairs, and dock removal/reinstallation. All work is being done under a joint permit approval of Oregon Department of State Lands and Army Corps of Engineers. See the Detailed Scope of Work, Specifications, and drawings, attached and hereby incorporated by reference.

The estimate range of the Phase 1-Earthwork is \$0.00- \$50,000.00.

Prevailing Wage Rates requirements apply to this project because the maximum compensation for all owner-contracted work is more than \$50,000. The selected contractor and all subcontractors shall comply with the provision of ORS 279C.800 through 279C.870, relative to the Prevailing Wage Rates and the required public works bond.

PREVAILING WAGE RATES for Public Works Contracts in Oregon, July 01, 2016, which can be downloaded at the following web address:

http://www.oregon.gov/boli/WHD/PWR/Pages/pwr_state.aspx

The Work will take place in Clackamas County, Oregon.

Delivery – Choose one of the following:

- ☐ Delivery required within _____ days of supplier's receipt of order.
- ☒ Substantial Completion as of October 31, 2016 with Final Completion November 15, 2016.
- ☐ Delivery time is of the essence and may be a factor in making an award

3. Quote

Quotes should be short and concise and include the following information:

- A. Company experience in these types of projects;
- B. Proposed schedule to complete the project;
- C. Clackamas County Certifications form;
- D. Bid Schedule;
- E. First Tier Subcontractor Disclosure form;
- F. Any additional information that Clackamas County should take into consideration for the project or qualifications.

4. Evaluation

Quotes will be evaluated based on lump sum bid and subjective factors including, but not limited to: company experience, proposed schedule to complete the project, Clackamas County Certifications form, and subcontractor disclosure form.

CLACKAMAS COUNTY CERTIFICATIONS
RFQ #2016-04 Hebb Park Boat Dock Replacement Project Phase 1- Earthwork

Each Quoter must read, complete and submit a copy of this Clackamas County Certification with their Quote. Failure to do so may result in rejection of Quote. By signature on this Certification the undersigned certifies that they are authorized to act on behalf of the Quoter and that under penalty of perjury the undersigned will comply with the following:

SECTION I. OREGON TAX LAWS

As required in ORS 305.385(6) the undersigned hereby certifies that to the best of the undersigned's knowledge, the Quoter is not in violation of any Oregon Tax Laws. For purposes of this certification, "Oregon Tax Laws" means a state tax imposed by ORS 320.005 to 320.150 and 403.200 to 403.250 and ORS chapters 118, 314, 316, 317, 318, 321, 323, and elderly rental assistance program under ORS 310.630 to 310.706, or and local taxes administered by the Department of Revenue under ORS 305.620. If a Contract is executed, this information will be reported to the Internal Revenue Service. Information not matching IRS records could subject Quoter to 28% backup withholding.

SECTION II. NON-DISCRIMINATION

The undersigned hereby certifies that the Quoter has not and will not discriminate in its employment practices with regard to race, creed, age, religious affiliation, sex, disability, sexual orientation, gender identity, national origin, or any other protected class. Nor has Quoter or will Quoter discriminate against a subcontractor in the awarding of a subcontract because the subcontractor is a disadvantaged business enterprise, a minority-owned business, a woman-owned business, a business that a service-disabled veteran owns or an emergency small business that is certified under ORS 200.055.

SECTION III. CONFLICT OF INTEREST

The undersigned hereby certifies that no Commissioner, officer, agency or employee of Clackamas County is personally interested directly or indirectly in any resulting contract from this RFQ, or the compensation to be paid under such contract, and that no representation, statements (oral or in writing), of the County, its Commissioners, officers, agents, or employees had induced Quoter to submit this Quote. In addition, the undersigned hereby certifies that this proposal is made without connection with any person, firm, or corporation submitting a quote for the same material, and is in all respects fair and without collusion or fraud.

SECTION IV. COMPLIANCE WITH SOLICITATION

The undersigned further agrees and certifies that they:

1. Have read, understand and agree to be bound by and comply with all requirements, instructions, specifications, terms and conditions of the RFQ (including any attachments); and
2. Are an authorized representative of the Quoter, that the information provided is true and accurate, and that providing incorrect or incomplete information may be cause for rejection of the Quote or contract termination; and
3. Will furnish the designated item(s) and/or service(s) in accordance with the RFQ and Quote.
4. Will use recyclable products to the maximum extend economically feasible in the performance of the contract work set forth in this RFQ.

Firm Name: _____ Date: _____

Signature: _____ Title: _____

Name: _____ Telephone: _____

Email: _____ OR CCB # (if applicable): _____

Business Designation (check one):

☐ Corporation ☐ Partnership ☐ Sole Proprietorship ☐ Non-Profit ☐ Limited Liability Company

☐ Resident Quoter, as defined in ORS 279A.120

☐ Non-Resident Quote. Resident State: _____

Oregon Business Registry Number: _____

BID SCHEDULE

FOR THE

**HEBB PARK BOAT DOCK REPLACEMENT PROJECT PHASE 1- EARTHWORK
#2016-04**

No.	Item Description	Unit	Quantity Estimate	Bid Amount In Dollars
1	Mobilization, Signing and Fencing	LS	1	
2	Construction Surveying	LS	1	
3	Erosion & Sedimentation Control	LS	1	
4	Clearing and Grubbing	LS	1	
5	Boarding Dock Removal & Storage	LS	1	
6	Gangway Removal & Storage	LS	1	
7	Earthwork - Sediment Removal	LS	1	
8	Geotextile Fabric	LS	1	
9	Restore Riprap at Ramp Toe	LS	1	
10	Boarding Dock Reinstallation	LS	1	
11	Gangway Reinstallation	LS	1	

TOTAL BASE BID PRICE \$ _____
(Numerically)

TOTAL BASE BID PRICE _____
(Written in Words)

CONTRACTOR: _____

**FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM FOR THE
HEBB PARK BOAT DOCK REPLACEMENT PROJECT PHASE 1- EARTHWORK**

RFQ OPENING: Date: August 18, 2016 Time: 4:00 PM

**Failure to submit this form by the disclosure deadline will result in a
nonresponsive bid. A nonresponsive bid will not be considered for award.**

INSTRUCTIONS:

This form must be submitted at the location specified in the Request for Quote on the advertised Quote closing date.

Unless otherwise stated in the solicitation, this document shall not be submitted by facsimile. It is the responsibility of Quoter to submit this disclosure form and any additional sheets with the project name clearly marked, at the location indicated by the specified disclosure deadline.

Subcontractor lists may be submitted with the Quote in the same envelope at the Request for Quote closing date and time.

List below the name of each subcontractor that will be furnishing labor, or labor and materials, for which disclosure is required, the category of work that the subcontractor will be performing, and the dollar value of the subcontract. Enter **"NONE"** if the value of the project bid is less than \$100,000 or there are no subcontractors that need to be disclosed. ATTACH ADDITIONAL SHEETS IF NECESSARY.

	SUBCONTRACTOR NAME	DOLLAR VALUE	CATEGORY OF WORK
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

The above listed first-tier subcontractor(s) are providing labor, or labor and material, with a Dollar Value equal to or greater than:

- a) 5% of the total Contract Price, but at least \$15,000. [If the Dollar Value is less than \$15,000 do not list the subcontractor above.] or
- b) \$350,000 regardless of the percentage of the total Contract Price.

Form Submitted By (Quoter): _____

Quoter Signature: _____ Phone # _____

CLACKAMAS COUNTY INSTRUCTIONS TO QUOTERS

Quotes are subject to the applicable provisions and requirements of the Clackamas County Local Contract Review Board Rule C-047-0270 (Intermediate Procurements) and Oregon Revised Statutes.

QUOTE PREPARATION

1. **QUOTE FORMAT:** Quotes must be submitted as indicated in the RFQ. Quotes may be submitted in writing to Clackamas County via e-mail, mail or in person.
2. **CONFORMANCE TO RFQ REQUIREMENTS:** Quotes must conform to the requirements of the RFQ. Unless otherwise specified, all items quoted are to be new, unused and not remanufactured in any way. Any requested attachments must be submitted with the quote and in the required format. Quote prices must be for the unit indicated on the quote. Failure to comply with all requirements may result in quote rejection.
3. **ADDENDA:** Only documents issued as addenda by Clackamas County serve to change the RFQ in any way. No other directions received by the Quoter, written or verbal, serve to change the RFQ document. NOTE: IF YOU HAVE RECEIVED A COPY OF THE RFQ, YOU SHOULD CONSULT THE CLACKAMAS COUNTY BIDS AND CONTRACT INFORMATION WEBSITE (www.clackamas.us/bids/index.html) TO ENSURE THAT YOU HAVE NOT MISSED ANY ADDENDA OR ANNOUNCEMENTS. QUOTERS ARE NOT REQUIRED TO RETURN ADDENDUMS WITH THEIR QUOTE. HOWEVER, QUOTERS ARE RESPONSIBLE TO MAKE THEMSELVES AWARE OF, OBTAIN AND INCORPORATE ANY CHANGES MADE IN ANY ADDENDUMS ISSUED, AND TO INCORPORATE ANY CHANGES MADE BY ADDENDUM INTO THEIR FINAL QUOTE. FAILURE TO DO SO MAY, IN EFFECT, MAKE THE QUOTER'S QUOTE NON-RESPONSIVE, WHICH MAY CAUSE THE QUOTE TO BE REJECTED.
4. **USE of BRAND or TRADE NAMES:** Any brand or trade names used by Clackamas County in the specifications are for the purpose of describing and establishing the standard of quality, performance and characteristics desired and are not intended to limit or restrict competition. Quoters may submit quotes for substantially equivalent products to those designated unless the RFQ provides that a specific brand is necessary because of compatibility requirements, etc. All such brand substitutions shall be subject to approval by Clackamas County.
5. **PRODUCT IDENTIFICATION:** Quoters must clearly identify all products quoted. Brand name and model or number must be shown. Clackamas County reserves the right to reject any quote when the product information submitted with the quote is incomplete.
6. **FOB DESTINATION:** Unless specifically allowed in the RFQ, ***QUOTE PRICE MUST BE F.O.B. DESTINATION with all transportation and handling charges included in the Quote.***
7. **DELIVERY:** Delivery time must be shown in number of calendar days after receipt of purchase order.
8. **EXCEPTIONS:** Any deviation from quote specifications, or the Clackamas County Public Improvement Contract may result in quote rejection.
9. **SIGNATURE ON QUOTE:** Quotes must be signed by an authorized representative of the Quoter. Signature on a quote certifies that the quote is made without connection with any person, firm or corporation making a quote for the same goods and/or services and is in all respects fair and without collusion or fraud. Signature on a quote also certifies that the Quoter has read and fully understands all quote specifications, and the Clackamas County Public Improvement Contract (including insurance requirements). No consideration will be given to any claim resulting from quoting without comprehending all requirements of the RFQ.
10. **QUOTE MODIFICATION:** Quotes, once submitted, may be modified in writing before the time and date set for quote closing. Any modifications should be signed by an authorized

representative, and state that the new document supersedes or modifies the prior quote. Quoters may not modify quotes after quote closing time.

11. **QUOTE WITHDRAWALS:** Quotes may be withdrawn by request in writing signed by an authorized representative and received by Clackamas County prior to the Quote Due Date/Time. Quotes may also be withdrawn in person before the Quote Due Date/Time upon presentation of appropriate identification.
12. **QUOTE SUBMISSION:** Quotes may be submitted by returning to Clackamas County Procurement Services Division in the location designated in the introduction of the RFQ via email, mail or in person but no oral or telephone quotes will be accepted. Envelopes, or e-mails containing Quotes should contain the RFQ Number and RFQ Title.

QUOTE EVALUATION AND AWARD

1. **PRIOR ACCEPTANCE OF DEFECTIVE PROPOSALS:** Due to limited resources, Clackamas County generally will not completely review or analyze quotes which fail to comply with the requirements of the RFQ or which clearly are not the best quotes, nor will Clackamas County generally investigate the references or qualifications of those who submit such quotes. Therefore, neither the return of a quote, nor acknowledgment that the selection is complete shall operate as a representation by Clackamas County that an unsuccessful quote was complete, sufficient, or lawful in any respect.
2. **DELIVERY:** Significant delays in delivery may be considered in determining award if early delivery is required.
3. **CASH DISCOUNTS:** Cash discounts will not be considered for award purposes unless stated in the RFQ.
4. **PAYMENT:** Quotes which require payment in less than 30 days after receipt of invoice or delivery of goods, whichever is later, may be rejected.
5. **INVESTIGATION OF REFERENCES:** Clackamas County reserves the right to investigate references and or the past performance of any Quoter with respect to its successful performance of similar services, compliance with specifications and contractual obligations, and its lawful payment of suppliers, sub-contractors, and workers. Clackamas County may postpone the award or execution of the contract after the announcement of the apparent successful Quoter in order to complete its investigation. Clackamas County reserves the right to reject any quote or to reject all quotes at any time prior to Clackamas County's execution of a contract if it is determined to be in the best interest of Clackamas County to do so.
6. **METHOD OF AWARD:** Clackamas County reserves the right to make the award by item, groups of items or entire quote, whichever is in the best interest of Clackamas County.
7. **QUOTE REJECTION:** Clackamas County reserves the right to reject any and all quotes.
8. **QUOTE RESULTS:** Quoters who submit a quote will be notified of the RFQ results. Awarded quote files are public records and available for review by submitting a public records request or by appointment.

Detailed Scope of Work
Division 1 Provisions and Specifications

8.1 Introduction

This Earthwork Phase for the Boating Facility Improvement at Hebb Park is to accomplish the removal of accumulated sediment presently causing the existing boarding dock to twist when grounded and to additionally restore the riprap at the underwater toe of this launch. All work must be achieved during an available In Water Work Period running through October 31, 2016 pursuant to US Army Corps permit no. 2015-138. Subsequent to this contract award, separate additional contracts will be established to phase the fabrication and installation of new floating courtesy and boarding docks reusing the existing gangway and anchor piling. That work is tentatively scheduled in the following year. The removal of the silt to re-expose the original construction design grades and to make repairs at the deep end of the ramp is being characterized as contracted maintenance. It will be necessary to remove and temporally store the existing dock components and to then replace them for the boater's use while awaiting the fabrication and installation of new components.

The site is on the northwestern shore of the Willamette River and is accessed only from the north by using SW Stafford Rd., then SW Mountain Rd., then SW Hoffman Rd. and then turning south onto SW Riverwood Dr. to reach the Park.

This earthwork phase is detailed within the completed project design drawings and specifications developed by the Oregon State Marine Board under the State Marine Board Facility Grant 1541. Contract award will be based on lump sum bid and subjective factors including, but not limited to: company experience, proposed schedule to complete the project, Clackamas County Certifications form, and subcontractor disclosure form. Their design provides for the removal of accumulated river silts on each side of the existing concrete launch, re-grading, even under water, as necessary to provide a level landing for the new, replacement floats as they will come to rest onto the concrete launch as water levels change. Over the years the River has removed bottom material at the end of the launch leaving a drop off posing potential problems for boaters using the launch at low river levels. Performing some river soundings before the placement of specified riprap off the end of the launch into the waterway may be needed. There is a regulatory "In-Water Work Period" starting June 1st and ending October 31st that must be observed. Closure of the existing ramp and a portion of the parking lot at Hebb Park to facilitate this Earthwork Phase work after September 19th will be permitted. A contractor's schedule must be developed adhering to these time restraints detailing workdays and activities prior issuance of the "Notice to Proceed".

The contractor shall superintend and vigorously peruse all the work until its satisfactory completion following all the conditions of the issued regulatory agency permits included with the Call for Bids.

Again, all work is to be completed by the US Army Corps permit stipulated date of October 31st, 2016.

8.2 Scope of Work in Addition to the Introduction

The Contractor's scope of work shall include all other necessary permits, licenses, all labor, equipment, materials, incidentals and related expenses necessary to complete the project in conformance with the project Earthwork Package design plans and these specifications. Work shall meet with the satisfaction of the Owner, their Design Engineers at the State Marine Board and all government agencies having jurisdiction or serving the project.

The contract time shall commence on the date specified in a written Notice to Proceed and all the work shall be completed by November 15th, 2016.

Safety Requirements set out in the Associated General Contractors of America, Inc., “Manual of Accident Prevention in Construction”, Workman’s Compensation Board “Safety Code for Construction Work, “ Oregon State Employment Act Safety Requirements, and the Occupational Safety and Health Act are applicable to the work.

Vehicle and machinery mufflers shall be maintained to minimize disturbance to nearby residents and work activity noise levels shall be maintained within levels and regulations established by Clackamas County Noise Ordinance.

Construction shall be restricted to normal daylight work hours. Construction impacting the Park parking areas shall be properly flagged and safety for traffic and pedestrians shall be of foremost concern throughout construction. The contractor shall not stage construction or store materials on Park parking lot outside pre-designated and agreed upon areas. The contractor shall prepare a plan for County approval delineating that portion of the Park parking lot that will be required as a construction staging area and as a temporary storage area for the docks. A temporary construction fence shall be installed meeting the details on this approved plan and this fence shall be constructed and removed by the contractor consistent with the contractors scheduled activities. All safeguards and warning signs and temporary construction fencing shall be subject to County approval and are to be considered incidental to the contract work. Hazardous materials are not known to exist at the project site however the contractor is solely responsible to properly protect workers. Notify the Owner to allow arrangements to be made for safe removal of any hazardous materials if a hazard is suspected. The contractor shall provide a means to control dust within regulated levels.

Earthwork and Finish Grading shall consist of excavation ditching, backfilling, haul, embankment construction, grading, leveling, borrow, and other earth moving work incidental to the project. These items shall further include all required removal or haul off of excess or wasted material and the proper disposal of all unneeded material. This work element is to be paid entirely on a Lump Sum bid basis at the contract Bid Amounts. Bid quantities for earthwork are approximations. Work achieved under these categories shall result in the close conformity to the design lines and finish design contours, grades or elevations. Any service, transaction, action, and all work, other item related and required for satisfactory project completion, that is drawn and detailed in these plans and specifications that is not specifically called out as a pay item on the Bid form is considered as incidental. The Owner will make no separate or additional payment for incidentals.

There are no Owner supplied or furnished elements of this project other than administrative work and coordination.

The Owner will file a General Building Permit application using contract documents and will pay for this permit and any development assessments. Trade Related permits (Plumbing and Electrical) or Welder’s Certifications remain the Contractor’s responsibility.

This is a Locally and State Funded Public Improvement Contract and therefore Certified Payrolls shall be submitted.

8.3 Examination of Work Site; Consideration of Conditions to be Encountered

Before submitting a Bid, Bidders shall carefully examine the site of the proposed Work, all the bid documents, Permits, Plans, and Specifications. Submission of a Bid will constitute confirmation that the Bidder has examined the Project Site and bid documents, finds the Plans and Specifications to be sufficiently detailed and accurate to enable Bidder to properly perform

the Work, and understands the conditions to be encountered in performing the Work and all requirements of the Contract.

The Bidder is responsible for loss or unanticipated costs suffered by the Bidder because of the Bidder's failure to fully examine the site and become fully informed about all conditions of the Work, or failure to request clarification of Plans and Specifications that the Bidder believes to be erroneous or incomplete.

Any clarification of Plans and Specifications needed by the Bidder shall be requested and addressed to Rick Gruen, Manager County Parks and Forest. His Telephone Number is 503 742-4345. Requests shall be made in sufficient time for the County's reply to reach all Bidders before Bid Closing. Oral explanations or interpretations given before receiving Bids for a Project will not be binding. To be binding, interpretation of the Plans and Specifications by the County will be made where after a written Addendum furnished to all Holders of Bidding Plans will be posted. Notification of erroneous or incomplete Plans or Specifications shall also be submitted. Such notification shall also be made in the same manner also in sufficient time for the County to make any necessary modifications and post Addenda to Bidders prior to Bid Closing.

8.4 Modifications and Change Orders

This Section specifies administrative and procedural requirements in modifying the contract Requirements.

Material Substitutions at the time of bid preparation and related procedures are covered in the Information to Bidders.

The Owner and Contractor shall identify who will be responsible for executing Change Order.

The Owner or Contractor may initiate a Change by describing the matter in an informative Proposal Request. Such proposals may result in a Change Order. No work shall proceed until the Owner prepares a respective, detailed description of the work or action; an agreement is reached covering all the cost and impact on Contract Sum and Time. The Owner, Engineer and Contractor shall sign and date all Change orders to indicate agreement with the specific items and terms before work and payment. Then the Contractor may proceed with changes.

Change Orders are not applicable to the extension of Unit Price Work and adjustment of quantities allowed up to 25% above or below the bid quantity without price change.

Change Orders are not applicable to the provisions of any Owner's discretionary Force Work Allowance that may be established in the Bid form herein. The contractor shall be prepared to offer wage and equipment rates and estimate labor, equipment and material for small amounts of additional work requested and directed by the Owner up to the uniform Bid Amount set out in the Bid form and Contract. Owner kept time records made during the observation of the work shall be used to substantiate each respective payment for Force Work. Performance shall be paid at the submitted rates multiplied by the time required, plus documented material costs.

Upon completion, all Change Order work shall be accurately noted on the project "As Built" records and drawings and within the project O&M manuals.

Upon completion, all Material Substitutions addressed above shall be accurately noted on the project “As Built” records and drawings and within the project O&M manuals.

8.5 As-Built Project Record Documents

Work under this section includes the services of a Licensed Land Surveyor for layout of the project. Prior to staking, the plan dimensions shall be verified by calculation. The State Marine Board has provided basic survey control.

It shall be the responsibility of the Contractor to be aware and follow all safety requirements and the Contractor is required to notify all utilities and request utility locates using the One Call System by contacting the Oregon Utility Notification Center 1-800-332-2344. Utility markings shall be evident on the work site prior to commencement. Observation of the markings shall dictate Contractor’s means and methods used.

The contractor shall maintain in legible condition an “on site” current, record copy of the construction documents and approved schedule along with any approved change orders.

At completion of the project, the Contractor shall deliver to the Owner an accurate “As-Built” set of the construction documents referencing all construction information differing from the contract design and detail. If applicable to the type of work, the contractor shall compile two copies of all product data and related information appropriate for the Owner’s maintenance and operation of products furnished under contract. This information shall be bound in 8 1/2”x11” binder format and shall include all printed mater provided by the manufactures, equipment manuals and all warranty documentation.

8.6 Project Meetings

The Owner and Engineer will arrange and administer a pre-construction meeting with the Contractor and other interested parties subsequent to the contract award and schedule approval. An agenda will be provided with the invitation to this meeting that will detail a number of Contractor action items. Such items may include presentation of the Contract Schedule, a listing of subcontractors and suppliers, Submittal review and approval requirements and, other project related matters. The project Notice to Proceed shall not be available before contract approval at the County Board of Commissioners or before the pre-construction meeting. Should all preliminary matters of business be resolved at the pre-construction meeting, then the Notice to Proceed will be issued and the meeting’s conclusion. The Contractor, Owner shall attend a regular weekly progress meeting held on site, to answer questions and resolve problems. Field observations and review of schedule together with other business shall be the subject of the weekly meeting.

The Contractor is to perform no work or fabrication where submittals are required until the return of the submittal with the Engineer’s stamp as outlined in Specification Section 01305.

The Engineer shall review each Submittal and RFI with reasonable promptness and provide a response appropriate for further Contractor consideration and possible action. The Engineer and Contractor shall communicate regarding the prioritization of multiple Submittals and RFI Designer reviews.

The Engineer shall be the sole judge of acceptability of any proposed product substitutions following the contract award. Substitution approval does not relieve the Contractor from responsibility for proper execution of the work and for compliance the contract requirements.

8.7 Project Schedule

A Contractor developed Bar Chart Schedule is sufficient for this project. The formative schedule shall be developed as soon as practical following award and a final form shall be submitted to the County for review and approval no later than at the pre-construction meeting. The schedule vertical scale shall

identify each of the construction categories or activities while the horizontal scale shall identify the time scale and duration on each activity. The earliest date indicated on the schedule shall be the arranged day of the pre-construction meeting and then showing weekly increments until the date of substantial completion. Prior to any changes to the approved schedule the Contractor shall discuss the cause of the change and a proposed remedy to keep work completion date from slipping on the time frame with the County at the weekly progress meetings.

Specific activities involved in the above-described “In Water Work Period” shall be highlighted on the schedule.

Closure of the Hebb Park Boat Launch to public uses to affect the contract work shall be limited to workdays following September 19th, 2016 to the days within the period of total contract time.

Resumption of public use of the Boat Launch may occur following the reinstallation of the existing floats for the duration of time until the installation of the new floats occurs.

The information provided in the contractors schedule will be used by the County to provide public notices to the boating public of the work and advisories of the related Boat Launch closures.

Substantial Completion shall coincide with the close of the In Water Work Period of October 31st, 2016.

Final Completion shall coincide with the end of Contract Time on November 15th, 2016.

A copy of the approved schedule shall be kept with the project record documents at the job site for frequent consultation.

8.8 Detailed Specifications

See the appended Specifications for the Boating Facility Improvements, Earthwork Package, at Hebb Park, Willamette River – Mile 34.0 for Clackamas County Parks prepared by the Oregon State Marine Board.

**SPECIFICATIONS
FOR THE
BOATING FACILITY IMPROVEMENTS
EARTHWORK PACKAGE
AT
HEBB PARK, WILLAMETTE RIVER – MILE 34.0
FOR
CLACKAMAS COUNTY PARKS**



Approved By:
Jeffery W. Smith, P.E.
Oregon State Marine Board
Senior Facilities Engineer



Prepared By:
Stuart Jantze
Boating Facilities Designer
20 May 2016

AS ADVERTISED

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BOATING FACILITY IMPROVEMENTS
EARTHWORK PACKAGE
AT HEBB PARK, WILLAMETTE RIVER – MILE 34.0
FOR
CLACKAMAS COUNTY PARKS

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PART 1 - GENERAL

1.1

III. SECTION 01010 - SUMMARY OF WORK

DESCRIPTION OF WORK

- A. Location of work is at Hebb Park, Clackamas County, Oregon.
- B. Major project components are as follows:
- Boarding Dock Removal
 - Gangway Removal
 - Sediment Removal
 - Launch Ramp Toe Riprap Restoration
 - Boarding Dock Reinstallation
 - Gangway Reinstallation
 - Other Work as Defined in the Plans & Specifications
- C. Project is for Clackamas County Parks, referred to hereafter as Owner.
- D. The Owner's Representative is:
- | | |
|------------------------|---------------------|
| Rick Gruen | Phone: 503.742.4345 |
| Manager | Fax: 503.353.4420 |
| Clackamas County Parks | |
| 150 Beaver Creek Road | |
| Oregon City, OR 97045 | |
- E. The Engineer of Record is:
- | | |
|-----------------------------|--------------------------|
| Jeffery W. Smith, P.E. | Phone: 503.378.2607 |
| Boating Facilities Engineer | Fax: 503.378.4597 |
| Oregon State Marine Board | 435 Commercial Street NE |
| P.O. Box 14145 | Salem, OR |
| Salem, OR 97309-5065 | |
- F. The Engineer's Representative is:
- | | |
|-----------------------------|--------------------------|
| Stuart Jantze | Phone: 503.378.2604 |
| Boating Facilities Designer | Fax: 503.378.4597 |
| Oregon State Marine Board | 435 Commercial Street NE |
| P.O. Box 14145 | Salem, OR |
| Salem, OR 97309-5065 | |
- G. This project is bid out as a **LUMP SUM CONTRACT** and the Contractor shall furnish all labor, equipment, and materials necessary to complete work in accordance with the drawings, specifications, and terms of the contract.
- H. Value Engineering, whereby the Contractor suggests alternate design and/or materials for a reduced cost and share in the savings, is **NOT** a component of this project contract.

PART 1 - GENERAL

1.1

01010 - 1

1.2 DRAWINGS

A. The following six [06] drawings hereby form a part of this contract:

1. 0313 – 1541 – 01 Title Sheet
2. 0313 – 1541 – 02 Existing Site Plan
3. 0313 – 1541 – 03 Proposed Site Plan
4. 0313 – 1541 – 04 Dock Removal Plan
5. 0313 – 1541 – 05 Earthwork Plan
6. 0313 – 1541 – 06 Sections

END OF SECTION 01010

PART 1 - GENERAL

1.1

01010 - 2

IV. SECTION 01019 - CONTRACT CONSIDERATIONS

PERMITS

A. ENVIRONMENTAL PERMITS

1. Owner has obtained all necessary US Army Corps of Engineers and Oregon Department of State Lands permits. Contractor shall comply with the requirements of the following permits. Owner shall furnish to the Contractor, copies of the permits after the contract has been awarded.

- (a) US Army Corps of Engineers Permit Number – 2015-138
- (b) Oregon Department of State Lands Permit Number - N/A
- (c) Department of Environmental Quality 1200c Permit - N/A

1.2 IN-WATER WORK PERIOD SCHEDULE

A. This project has in-water work period restraints, established by the Corps of Engineers and the Oregon Department of State Lands that regulate the period of time work can occur below the ordinary high water (OHW) line. Stipulations of permits only allow work to occur below the OHW for this site from 01 June to 31 October.

1.3 PROJECT COMPLETION

A. Upon completion of the work, clean up and remove from the Owner's property all refuse and unused materials of any kind resulting from the work.

B. Provide the following documents:

- 1. A written request for final inspection.
- 2. A clean set of drawings marked, showing all deviations from the planned construction (as built) and representing a complete record of the actual location of all completed work.
- 3. Provide test results as required.
- 4. Contractor's Application for Payment Form, Final Payment Request and Contractors Release of Liens & Claims Form.

PART 1 - GENERAL

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PART 1 - GENERAL

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V. SECTION 01090 - REFERENCE STANDARDS AND ABBREVIATIONS

REFERENCED STANDARDS & ABBREVIATIONS:

- A. All work shall conform to the following referenced standards:
- | | |
|--------|--|
| AA | Aluminum Association |
| AASHTO | American Association of State Highway and Transportation Officials |
| ACI | American Concrete Institute |
| ACM | American Construction Manual |
| ADA | American's with Disabilities Act Standards for Accessible Design 2010 |
| AISC | American Institute of Steel Construction |
| APA | American Plywood Association |
| APWA | American Public Works Association |
| ASTM | American Society for Testing and Materials |
| AWPA | American Wood Preservers' Association |
| AWS | American Welding Society |
| AWWA | American Water Works Association |
| IBC | International Building Code 2006
State of Oregon 2007 Edition Structural Specialty Code Amended |
| ISSA | International Slurry Surfacing Association |
| NEC | National Electric Code 2005 |
| ODOT | Oregon Standard Specifications for Highway Construction
by the Oregon Department of Transportation, 2008. |
| OSHA | Occupational Safety and Health Administration |
| QPL | Qualified Products Listing by the Oregon Department of Transportation,
Materials and Research Section |
| UPC | Uniform Plumbing Code 2003
State of Oregon 2005 Edition Plumbing Specialty Code |
| WAQTC | Western Alliance for Quality Transportation Construction |
| WCLIB | West Coast Lumber Inspection Bureau |

END OF SECTION 01090

PART 1 - GENERAL

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PART 1 - GENERAL

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VI. SECTION 01100 - SPECIAL PROJECT PROCEDURES

SPECIAL PROJECT REQUIREMENTS

- A. Contractor is advised that this is a public recreation facility. The parking lot and launching facility will be closed as required for on-site construction operations, contact the Owner a minimum of 30 days in advance, to schedule closure of boat ramp to the public during the construction period.
- B. All construction debris shall be disposed of in such a manner that it cannot enter the waterway.
- C. Care shall be taken to prevent any petroleum products, chemicals, or other deleterious material from entering the water.
- D. All areas along the bank, disturbed or newly created by the construction activity, shall be seeded, sodded, revegetated, or given some other type of protection against subsequent erosion and returned back to its original condition.
- E. Work in the waterway shall be done so as to minimize turbidity increases in the water that tend to degrade water quality and damage aquatic life.

PART 1 - GENERAL

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PART 1 - GENERAL

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VII. SECTION 01305 – PRODUCT AND MATERIAL SUBMITTALS

DESCRIPTION

- A. This Section specifies transmittal instructions, the number of copies of Contractor submittals to be provided, and distribution of those submittals as required in the General Conditions.
- B. Submittals may include:
 - 1. Product Submittals
 - 2. Materials Submittals
 - 3. Equipment Submittals
 - 4. Shop Drawings

PART 2 - REQUIRED SUBMITTALS

- 2.1 Submittals are required if indicated in the specification sections.
- 2.2 Deviation from Contract: Submit a request for substitution for deviations from the Specifications or Drawings. Include the reason for the deviation and cost differential for the deviation. Deviations from the Contract shall be authorized only if previously approved in writing.
- 2.3 The Engineer of Record (or the Engineer's Representative) reserves the right to ask for Submittals that are not referenced in this document.

PART 3 - EXECUTION

3.1 SUBMISSIONS

- A. Submittals Format
 - 1. The preferred format for submittals is in electronic format.
 - 2. If hard copies are submitted, the contractor shall submit three (3) copies of all required information. Individual sheets shall not exceed 11"x 17" in size.
- B. Each submittal shall be accompanied by a Submittal Transmittal Form. The Submittal Transmittal Form shall indicate:
 - 1. Which specific product is being proposed.
 - 2. How the product is being used (indicate specific specification sections where applicable).
 - 3. Size and quantities (if applicable).

- C. Submittals shall be received by the Engineer of Record (or the Engineer's Representative) not less than fourteen (14) calendar days prior to purchase and/or installation.
- D. Submittal Completeness: Submittals which do not have all the required information are not acceptable and will be returned without review.

3.2 REVIEW PROCEDURE

- A. The Engineer of Record (or the Engineer's Representative) will review the submittal for conformance to the plans and specifications. After review, the submittal will be returned to the Contractor, and a Copy shall be supplied to the Owner. The returned material will consist of one (1) marked-up copy of the submittal. Additional copies as needed will be the responsibility of the Contractor. The returned submittal will indicate one of the following actions:
 - 1. **"Accepted as Submitted"** - If the review indicates the material, equipment or work method is in general conformance with the Contract Drawings/Specifications, the submittal copies shall be marked "Accepted as Submitted." In this event, the Contractor may begin to incorporate the material/equipment/work method covered in the submittal.
 - 2. **"Accepted as Noted"** - If the review indicates the submittal is insufficient or that limited corrections are required, the submittal copies may be marked "Accepted as Noted." The Contractor may begin to implement the work method or incorporate materials/comments covered in the submittal in accordance with the corrections/comments noted.
 - 3. **"Correct and Resubmit"** - If the review reveals the submittal is insufficient or contains incorrect data and the comments require revision and resubmittal, the submittal copies shall be marked "Correct and Resubmit." In this case, the Contractor shall not then undertake work covered by this submittal until the submittal has been revised, resubmitted, and returned to the Contractor with a marking of "Accepted" or "Accepted as Noted."
 - 4. **"Review Not Required"** - If the review reveals the material, equipment, or work does not require submittal, then the submitted copies shall be marked "Review Not Required" In this event, the Contractor may begin to incorporate the material/equipment/work covered by the submittal and no further action is required.

3.3 EFFECT OF REVIEW OF CONTRACTOR'S SUBMITTALS

- A. A mark of "Accepted" or "Accepted as Noted" shall mean the Engineer of Record (or the Engineer's Representative) has no objection to the Contractor, upon the Contractor's own responsibility, using the plan or method of work proposed, or providing the materials or equipment proposed.
- B. The Contractor shall furnish to the Engineer the following items for equipment, articles, and materials incorporated in the work:
 - 1. Submittals for items identified in individual specification sections.
 - 2. Manufacturer's special tools and special accessories normally furnished by the manufacturer and which, by their specific nature and special design, are suited for convenient and expeditious adjustment, maintenance, and repair.
 - 3. Two sets of installation instructions, parts lists; routine preventative maintenance and operation manuals; corrective maintenance instructions; drawings and other like data pertinent for maintenance and repair.

4. Manufacturer's and dealer's warranties and guarantees which are normally available to purchasers. Such warranties and guarantees shall be made effective to the Owner as the purchaser.

END OF SECTION 01305

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VIII. SECTION 01545 – SURVEY LAYOUT & CONTROL

PART 1 - CONSTRUCTION STAKEOUT

- A. The Engineer of Record has provided reference points for the Contractor's stakeout of the construction work. The reference points are in the form of reference elevation and coordinates from existing survey control points, as shown on the drawings. The Contractor will be solely responsible for laying out the work from coordinate point stakeout control shown on the drawings, and the Owner or the Engineer of Record will provide no additional stakeout. A Professional Land Surveyor (PLS) licensed in the State of Oregon shall perform all layouts.
- B. A PLS will also be required to layout and verify the following:
 - 1. Installation of the ramp toe riprap to verify location, elevations, and grades.

END OF SECTION 01545

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IX. SECTION 01560 – ENVIRONMENTAL CONTROLS

PART 1 – GENERAL

1.1 DESCRIPTION

- A. This section specifies environmental mitigation and temporary environmental controls required to be maintained during construction. Nothing in this section shall relieve any person from the obligation to comply with the regulations or permits of any federal, state, or local authority.

PART 2 - MATERIALS

2.1 SUBMITTALS

A. Erosion Control Plan

1. Submittal: Develop and maintain for the duration of the contract an Erosion Control Plan (ECP) that will effectively incorporate and implement environmental protection precautions. The Contractor's ECP shall include methods and interim facilities to be constructed and/or used concurrently during construction to control erosion in such a manner as to ensure that sediment and sediment-laden water does not enter any drainage system, roadways, or violate applicable water quality standards. The ECP shall be in strict conformance with the requirements of the permits. Visible or measurable erosion which enters, or is likely to enter, a public storm and surface water system, wetland or stream is prohibited. The ECP shall include the name of the Contractor's employee authorized to supervise and enforce compliance with the ECP and telephone number(s) to contact that person at any time.
2. The ECP shall be submitted to and approved by the Owner prior to initiating clearing activities.
3. In the event a regulatory agency or jurisdiction determines the ECP to be inadequate to protect the environment:
 - (a) The Contractor shall immediately stop the affected work in progress until adequate environmental protection measures are implemented.
 - (b) The Contractor shall modify the ECP to meet the requirements of said regulatory agencies or jurisdictions and provide the Owner with the revisions to the ECP within five (5) Days of the notice of

2.2 EROSION CONTROL

A. Temporary Sediment Fences:

1. Provide, install, and maintain an upland sediment fence for a maximum of 5 feet offset from proposed improvements for the duration of the project.
2. Provide, install, and maintain an upland sediment fence along both sides of the ramp from the top of the bank to the waterline for the duration of the project.
3. Sediment fence shall have manufactured stitched loops for 2"x2" post installation. Posts shall be spaced a maximum of 6 feet apart.

4. Where practical, the filter fabric shall be purchased in a continuous roll to the length required to avoid the use of joints. When joints are necessary, filter fabric shall be spliced together only at support posts with a minimum 6-inch overlap, and both ends securely fastened to the post, or overlap 2"X 2" posts and attach as shown on the detail.
5. The physical integrity of all materials shall be sufficient to meet the requirements of their intended use and withstand normal wear and tear.

B. Floating Silt Curtain (also known as Turbidity Curtain)

1. Provide, install, and maintain an in-water siltation curtain around the perimeter of all work occurring below the waterline at the time of construction, for the duration of the project, as shown on the drawings.
2. The Contractor shall provide a commercially available silt curtain. Floating silt curtains are available from:
 - (a) Boom Environ. Products, New Bedford, MA (800) 770 BOOM.
 - (b) Parker Systems, Inc, Chesapeake, VA, (866) 472 7537.
 - (c) Elastec/American Marine, Carmi, IL, (618) 382 2525.
 - (d) Nilex Geosynthetics, Denver, CO, (800) 537 4241.
 - (e) Aer-Flo, Inc., Bradenton, FL, (800) 823-7356
 - (f) Layfield Plastics, Bellingham, WA, (800) 796-6868.
3. The silt curtain material shall be brightly colored to enhance visibility in such a manner that it will attract the attention of nearby boaters. Alternately, the silt curtain may be marked with brightly colored buoys to provide visibility.
4. Buoyancy provided by the flotation units shall be sufficient to support the weight of the curtain and associated load lines. Said floatation must also maintain enough freeboard to prevent water overtopping.
5. Load lines must be fabricated into the bottom and top of the fabric. The supplemental (bottom) load line shall consist of a chain incorporated into the bottom hem of the curtain, with sufficient weight to serve as ballast to hold the curtain in a vertical position. Additional anchorage shall be provided as necessary.
6. Anchors must be sufficient to hold the curtain in the same position relative to the bottom of the watercourse, without interfering with the action of the curtain. Anchor spacing will vary with current velocity and potential wind and wave action; manufacturer's recommendations should be followed.
7. Provide product submittal (to the Engineer of Record) of the intended silt curtain and a diagram of the intended assembled silt curtain including anchoring techniques to meet site specific conditions prior to the ordering any products for approval. PART 3 - EXECUTION

3.1 DUST

- A. Dust shall be minimized by the Contractor to the extent practicable, utilizing all measures necessary including, but not limited to:
 - 1. Sprinkling haul and access roads and other exposed dust-producing areas with water.
 - 2. Use of covered haul equipment.

3.2 SEDIMENT TRANSPORT PREVENTION

- A. Prevent dirt and mud, from trucks departing the work site, by cleaning truck tires before leaving the construction site. Cover and shield transported sediment from departing the haul vehicle.
- B. All streets in the construction area used by Contractor's trucks or any other equipment hauling material to and from the area, whether within the Contract limits or adjacent thereto, shall be kept clean by the Contractor and shall be continuously serviced by the Contractor's use of sprinkling trucks to control dust. All cleaning and sprinkling shall be at the Contractor's expense. Violations of these requirements are sufficient grounds for the Owner to order the streets in question to be cleaned by others. The expense of the street cleaning will be charged against the Contractor and cost withheld from Contractor's payments.

3.3 NOISE CONTROL

- A. Comply with all local, state, and federal noise level rules, regulations and ordinances.
- B. There are further requirements for Pile Driving Operations, see pile driving section if applicable.

3.4 TREE AND PLANT PROTECTION

- A. The Contractor shall protect all existing native shrubs and trees outside of the work limits from damage by construction activities. Work areas shall be carefully located and marked to reduce potential damage. Trees shall not be used as anchors for stabilizing working equipment. The Contractor shall not remove any native shrubs or trees outside of the work limits without written approval from Owner.
- B. If native shrubs or trees are damaged or destroyed by the Contractor's operations without prior authorization by the Owner, the Contractor shall replace the native shrubs or tree in species, size and grade to the satisfaction of and at no cost to the Owner. In the event the Contractor does not perform this replacement work in a timely manner as determined by the Owner, the Owner reserves the right to have the work performed by others. The expense of replacing native shrubs or trees will be charged against the Contractor and the cost withheld from Contractor's payments.
- A. Trees or shrubs that are replaced shall be warrantied from death or disease under the terms of the project warranty.

3.5 UPLAND DEWATERING AND WATER CONTROL

- A. The Contractor shall not divert storm drainage or sewer flow through any portion of new sewer or any other new facility until after that portion of the pipeline to be used has been field-acceptance tested in accordance with the Specifications, and until specific written

approval from the Owner has been received. No direct water from construction activities shall be diverted to new or existing sanitary sewer.

- B. Maintain excavations free from water while construction is in progress. Any water which is pumped from excavated areas shall not be diverted into the state waterways without proper treatment or confinement.

3.6 EROSION CONTROL

- A. Execute the approved Erosion Control Plan (ECP).

- B. Temporary Sediment Fences:

1. Sediment fence shall have a minimum vertical burial of 6 inches. All excavated material from sediment fence installation shall be firmly re-deposited along the entire trenched area on the uphill side of the fence.
2. The sediment fence shall be installed to follow the contours where feasible. The fence posts shall be spaced a maximum of 6 feet apart and driven securely into the ground a minimum of 24 inches.
3. Sediment fences shall be inspected by the Contractor immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs, relocations or additions shall be made immediately.
4. At no time shall more than one foot of sediment be allowed to accumulate behind a sediment fence. Sediment should be removed or regraded into slopes, and the sediment fences repaired and reestablished as needed
5. Sediment fences shall be removed when they have served their useful purpose, but not before the up slope area has been permanently protected and stabilized.

- C. Floating Silt Curtain

1. Follow manufacturer's recommendations for installation and anchoring to meet anticipated water conditions.
2. To the extent possible, the curtain should be located parallel to the direction of flow of the water body.
3. The ends of the curtain, both floating upper and weighted lower, should extend well up into the shoreline. The ends should be secured firmly to the shoreline to fully enclose the area where sediment may enter the water.

3.7 CULTURAL RESOURCES

- A. Attention is directed to the National Historic Preservation Act of 1966 and 36 CFR 800, which provide for the preservation of potential historical, architectural, archaeological or cultural resources (hereinafter "cultural resources").
- B. The Owner intends to conform to the applicable requirements of the National Historic Preservation Act of 1966 as it relates to the preservation of cultural resources and fair

compensation to the Contractor for delays resulting from such cultural resources investigations.

C. Monitoring: In the event potential cultural resources are uncovered during subsurface excavations at the worksite, the following procedures will be instituted:

1. The Contractor will notify the Owner immediately.
2. The Owner will issue a verbal work suspension directing the Contractor to cease all construction operations at the location of a potential cultural resources discovery. The Owner will contact a professional archaeologist to evaluate the significance of the find. A written work suspension order will be issued within four hours of the verbal work suspension order.
3. Such work suspension will be effective until such time as the qualified archaeologist can evaluate the potential cultural resources for their significance and make recommendations to the State Historic Preservation Officer. Any work suspension direction will contain the following:
 - (a) A clear description of the work to be suspended.
 - (b) Any instructions regarding issuance of further orders by the Contractor for material services.
 - (c) Specific direction to the Contractor to minimize the work suspension costs (i.e., work elsewhere while archaeologist is evaluating find).
 - (d) Estimated duration of the temporary suspension.
4. If the archaeologist determines the cultural resource is eligible to be nominated to the National Register of Historic Places, the Owner may extend the duration of the work suspension order in writing.
5. Equitable adjustment of the construction Contract time will be made for temporarily suspended work in accordance with the General Conditions.

3.8 FINES

- A. Contractor shall be responsible for all fines incurred from non-compliance with regulations of governing authorities.

END OF SECTION 01560

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X. SECTION 02100 - SITEWORK

PART 1 - GENERAL

1.1 DESCRIPTION

A. Work includes the following:

1. Removal, on-site storage and re-installation of seven (7) 6' x 20' x 2' pressured wood boarding docks.
2. Removal, on-site storage and re-installation of one (1) 4' x 50' aluminum gangway.
3. Clearing and grubbing of all construction areas to the extent necessary for the Contractor to perform the work and all work described below.

B. Carefully maintain benchmarks, monuments, and other reference points; if disturbed or destroyed, replace as directed by the project inspector.

C. Provide all protection, barricades, silt fences, and other devices required by State or municipal laws; maintain same for full period of operation. Remove from site when directed by the project inspector.

D. Carefully maintain existing wood transient docks (i.e. those oriented parallel to the river).

1.2 RELATED WORK

A. Environmental Controls, Section 01560

B. Earthwork, Section 02200

PART 2 - MATERIALS

A. Not Applicable

PART 3 - EXECUTION

3.1 GENERAL

A. Provide, install, and maintain siltation fences/barriers, as required by State or local rules and regulations for the duration of the project. The Contractor shall remove the silt fence once the project is complete. In areas where soil built up against the fence, the Contractor shall smooth or level out the berm of soil and seed with grass seed.

B. Protect existing trees and other vegetation outside clearing limits against cutting, breaking, skinning, or bruising of roots or bark, piling construction materials within the tree and vegetation drip line, excess foot or vehicle traffic, parking of vehicles within the tree and vegetation drip lines, or solvent, paint, oil, or chemical spills onto soil.

1. If vegetation is damaged, pruning or removal shall be completed as directed by the Owner at the Contractor's expense.

02100 1

2. Any soil contaminated from construction activities shall be excavated and removed from the site and replaced with topsoil at the Contractor's expense. Disposal of

contaminated soil shall be in accordance with federal, state, and local laws and regulations.

- C. Remove all trees, stumps, bushes, grass, boulders, and debris within the areas staked for the construction as shown on the drawings.
- D. Unless otherwise shown on the drawings, clearing limits shall be 5' along all sides of the improvements and (if applicable) where the graded slope meets the existing ground.
- E. All holes resulting from grubbing shall be filled with suitable material and compacted.
- F. Disposal material per this section is defined as any and all items to be removed, exclusive of boarding docks, gangway and the excavated material that is to be removed from the existing riprap (see Section 02200). This includes, but is not limited to, grubbing, sod, trees, brush, wood, metal, and waste. Disposal material is the property of the Contractor and therefore it is the sole responsibility of the Contractor. Disposal material shall be hauled off site and completely removed from the Owner's property.

3.2 DOCK & GANGWAY REMOVAL & REINSTALLATION

- A. Wood docks and aluminum gangway shall be carefully removed and temporarily stored on-site as shown on the drawings.
- B. Wood boarding dock sections are connected together with steel pipe hinge barrels and held in place with steel pipe piles. The piles are internal to the docks at four locations. The steel pile pocket assembly must be unbolted from the dock, lifted up and secured to the pile. Docks with pile pockets will require cutting and removal of the frame member in order to slide the dock away from the pile. Care must be taken to keep all demolition materials from entering the water. Incidental materials (including sawdust) must be contained and removed. Boarding docks shall be reinstalled and the pile pocket assemblies re-bolted to the docks after all earthwork is completed. New docks and installation will occur at a later date under separate contract.
- C. Gangway shall be adequately protected, supported and secured during removal, storage and re-installation. Any damage shall be repaired at Contractor's expense.

END OF SECTION 02100

XI. SECTION 02200 - EARTHWORK

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

- A. This item includes all labor, equipment, and materials required for the excavation and grading of the project site to the lines and grades shown on the drawings and required by the specifications. Work within this item includes, but is not limited to, the following in accordance with ODOT 00330.41, 00330.42 and 00330.43:

1. Excavation of all material encountered to the limits shown on the drawings
2. Hauling and disposing of all excavated material to sites secured by the Contractor.
3. Locating and protecting existing facilities and utilities.
4. Grading and reshaping of grade.
5. All miscellaneous items of work required to complete the construction.

- B. This item includes furnishing, transporting, and installing riprap as shown on the drawings or required by the Specifications.

1.2 RELATED WORK

- A. Sitework, Section 02100

1.3 DEFINITIONS

- A. Unclassified excavation is defined as all excavation regardless of the type, nature, or condition of the materials encountered. The Contractor shall assume full responsibility to estimate the kind and extent of the various materials to be encountered.
- B. Rock excavation is defined as removal of boulders having a volume of 2 cubic yards or more, solid bedrock and ledge rock, that cannot be excavated or removed by dozers with rippers, but which require systematic drilling and blasting or the use of pneumatic rock splitters, hammers, and wedges. If material that is classified as rock is mechanically removed with grading equipment, the volume of material removed shall be measured and paid for as common excavation.
- C. Common excavation is defined as removal of all material not classified as rock excavation.
- D. Overexcavation is the removal of suitable material below the limits designated for excavation.
- E. Disposal material per this section is defined as all excavated material.

PART 2 - MATERIALS

2.1 RIPRAP

- A. Riprap shall be broken stone and shall meet the requirements of ODOT 00390.11.
- B. Riprap shall be ODOT Class 700 as shown on drawings:

<u>Class 700 Size of Stone (Pounds)</u>	<u>Percent (%) by Weight</u>
700 - 500	20
500 - 200	30
200 - 20	40
20 - 0	10

2.2 GEOTEXTILE AND FILTER FABRIC

- C. Geotextile Fabric shall be installed in accordance with ODOT 00350.
- D. Reference ODOT 02320 for geotextile materials specifications for the specific applications as shown on the drawings, required by the specifications, and/or as instructed by the Engineer.
- E. Type 2 Riprap Geotextile Fabric shall be placed under riprap.

PART 3 - EXECUTION

3.1 GENERAL

- A. All upland areas containing water shall be drained prior to beginning construction.
- B. Accumulated sediment shall be carefully removed to expose and preserve the underlying riprap. Any riprap that is disturbed or dislodged shall be placed back in its original position. Any riprap that is excessively damaged or broken shall be replaced with new.
- C. No excavation shall be left open more than seven days unless otherwise approved by the Owner's Representative.
- D. All excavations left open overnight shall be fenced with wire mesh or plastic mesh fence secured to steel posts all around the excavation as per ODOT 03010.20, 03010.40 and 01050.44.
 - 1. The bottom of the fence shall generally follow the contour of the ground.
 - 2. Maximum spacing of the steel posts shall be ten feet.
 - 3. Minimum height of the fence shall be 36 inches.
- E. Disposal material is the property of the Contractor and therefore it is the sole responsibility of the Contractor. Disposal material shall be hauled off site and completely removed from the Owner's property. Disposal of contaminated soil shall be in accordance with federal, state, and local laws and regulations.
- F. Contractor shall conduct excavation work in such a manner as required to protect existing trees and vegetation on site.

3.2 RIPRAP

- A. Place such that no bare earth is exposed.

- F. Install filter fabric as shown on drawings.
- G. Placement shall be in such a manner to produce a reasonably well graded uniform mass. It is the intent of these specifications to produce a compact riprap protection in which all sizes of material are placed in their proper proportions and with a reasonably smooth, uniform, finished surface. Hand placing, rearranging of individual stones by mechanical equipment slapping the surface of the material with armor plating or some other approved means may be required to the extent necessary to secure the results specified. H. Hand place smaller units to fill all voids.

3.3 GEOTEXTILE AND FILTER FABRIC

- A. Geotextile Fabrics - Fabric shall be protected against damage and deterioration until incorporated into the work. The fabric shall be dry at the time of installation. Fabric will be rejected if, at the time of installation, it has defects, deterioration, or damage, as determined by the Project Inspector.
- B. Geotextile fabric shall be installed in accordance with all applicable portions of ODOT 00350.41.
- C. Place geotextile fabrics directly on top of the subgrade under all fill material (subbase, aggregate base, or riprap).
- D. The minimum overlap of fabric panels shall be 24 inches, as specified in ODOT 00350.41.

END OF SECTION 02200

PROJECT
LOCATION



LOCATION MAP

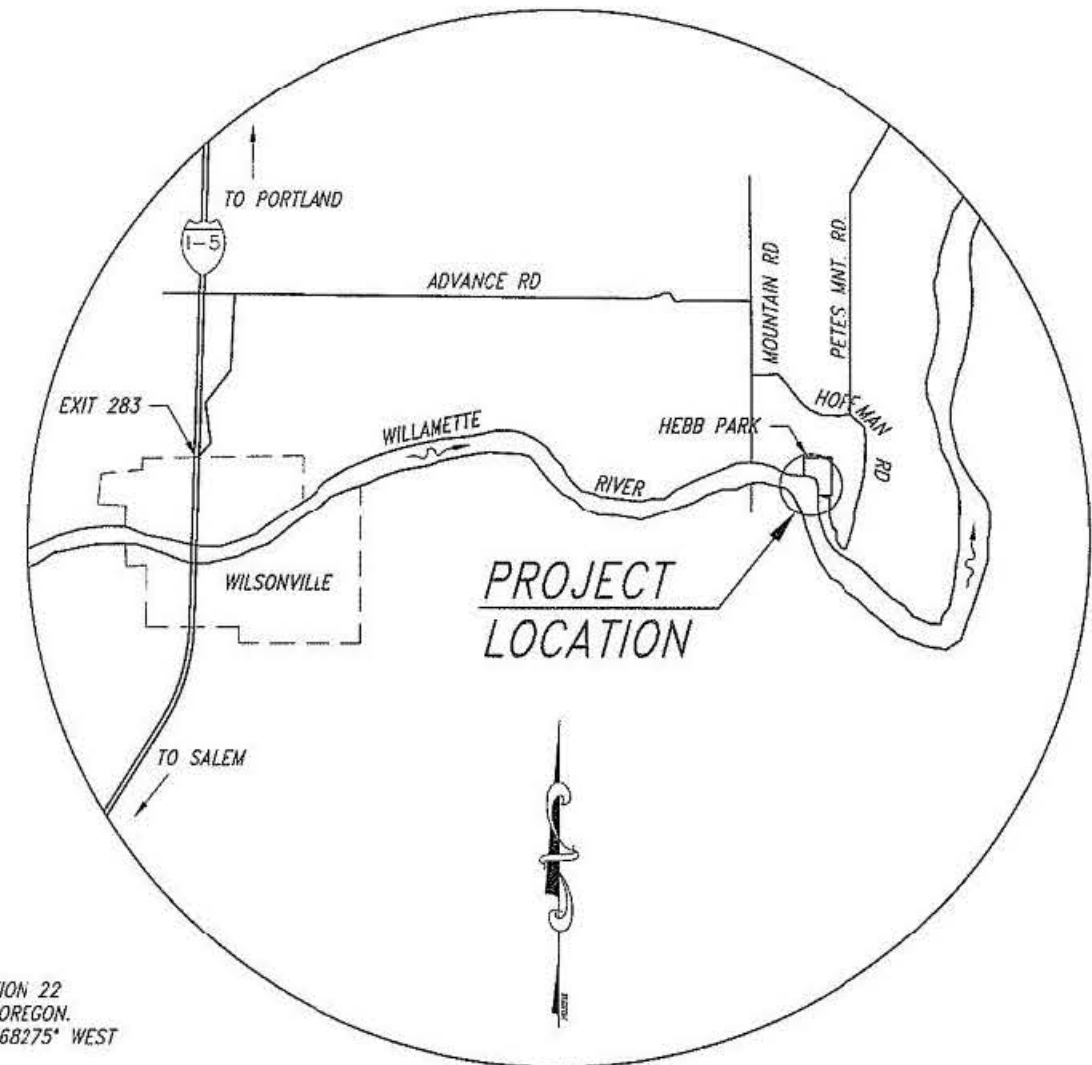
NOT TO SCALE

GEOGRAPHIC LOCATION

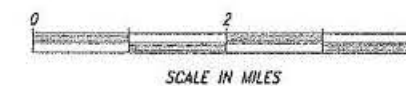
TOWNSHIP 03 SOUTH, RANGE 01 EAST, SECTION 22
WILLAMETTE MERIDIAN, CLACKAMAS COUNTY, OREGON.
LATITUDE 45.29852° NORTH, LONGITUDE 122.68275° WEST
CAMBY QUAD MAP.

DRAWING INDEX

01. TITLE SHEET
02. EXISTING SITE PLAN
03. PROPOSED SITE PLAN
04. DOCK REMOVAL PLAN
05. EARTHWORK PLAN
06. SECTIONS



VICINITY MAP



BOATING FACILITY IMPROVEMENTS EARTHWORK PACKAGE AT HEBB PARK, WILLAMETTE RIVER - MILE 34.0 FOR THE CLACKAMAS COUNTY PARKS

03200-4

AS ADVERTISED

DATE	REVISIONS	BY

APPROVED: BOATING FACILITIES MANAGER	DESIGNED BY	20 MAY 2016
<i>Janice Bolger</i>	S. JANTZE	DATE
CHECKED BY	CHECKED BY	
<i>Chris A.</i>	<i>S. JANTZE</i>	

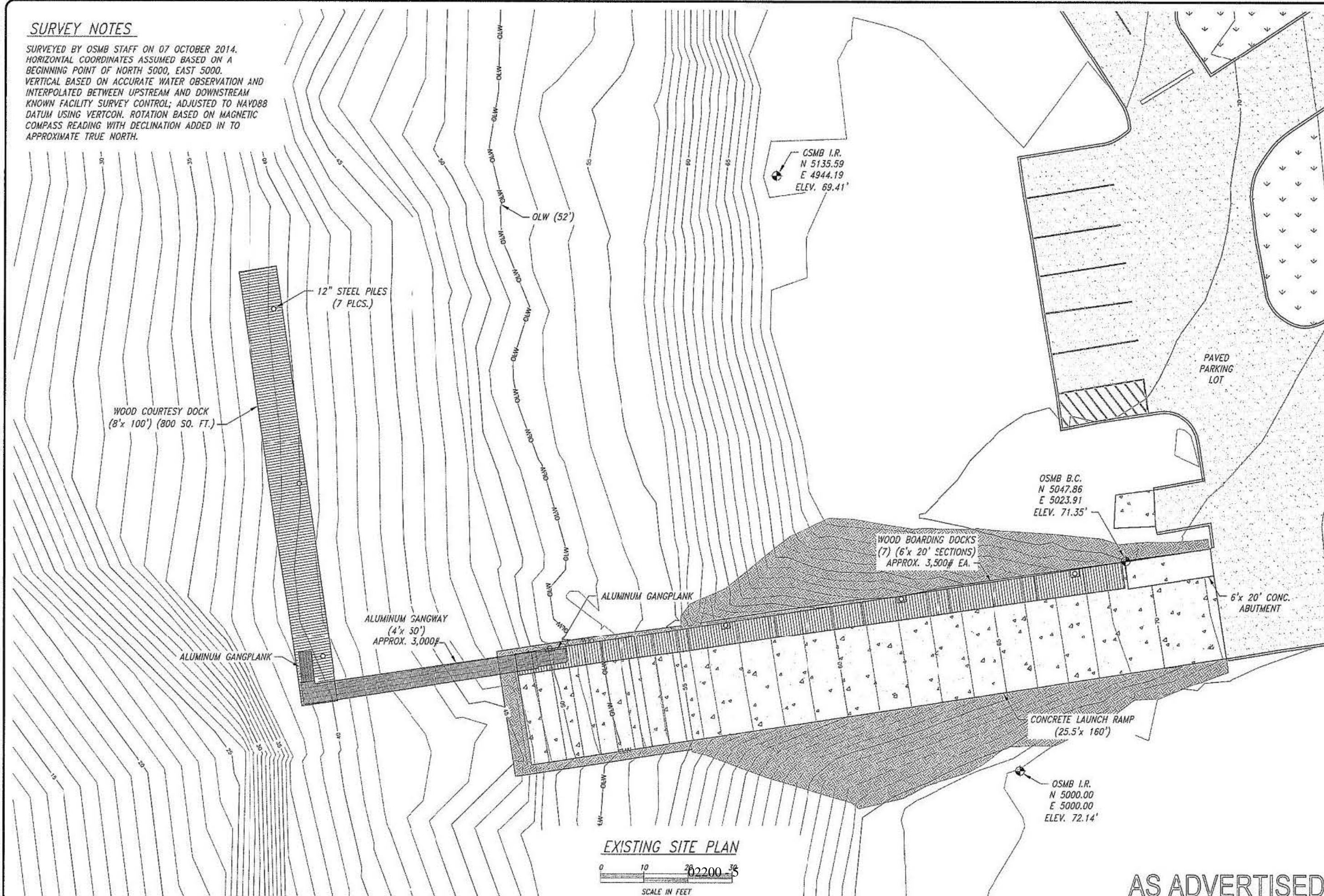


TITLE SHEET	OREGON STATE MARINE BOARD
AT HEBB PARK, WILLAMETTE RIVER - MILE 34.0	
FOR CLACKAMAS COUNTY PARKS	

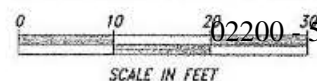
01	06
SHEET	OF
0313 - 1541 - 01	
DRAWING NO.	

SURVEY NOTES

SURVEYED BY OSMB STAFF ON 07 OCTOBER 2014.
HORIZONTAL COORDINATES ASSUMED BASED ON A BEGINNING POINT OF NORTH 5000, EAST 5000.
VERTICAL BASED ON ACCURATE WATER OBSERVATION AND INTERPOLATED BETWEEN UPSTREAM AND DOWNSTREAM KNOWN FACILITY SURVEY CONTROL; ADJUSTED TO NAVD88 DATUM USING VERTCON. ROTATION BASED ON MAGNETIC COMPASS READING WITH DECLINATION ADDED IN TO APPROXIMATE TRUE NORTH.



EXISTING SITE PLAN



AS ADVERTISED

DATE	REVISIONS	BY

APPROVED: BOATING FACILITIES MANAGER	DESIGNED BY	20 MAY 2016
<i>[Signature]</i>	S. JANTZE	DATE
FINAL CHECK BY		
<i>[Signature]</i>		
DRAWN BY		

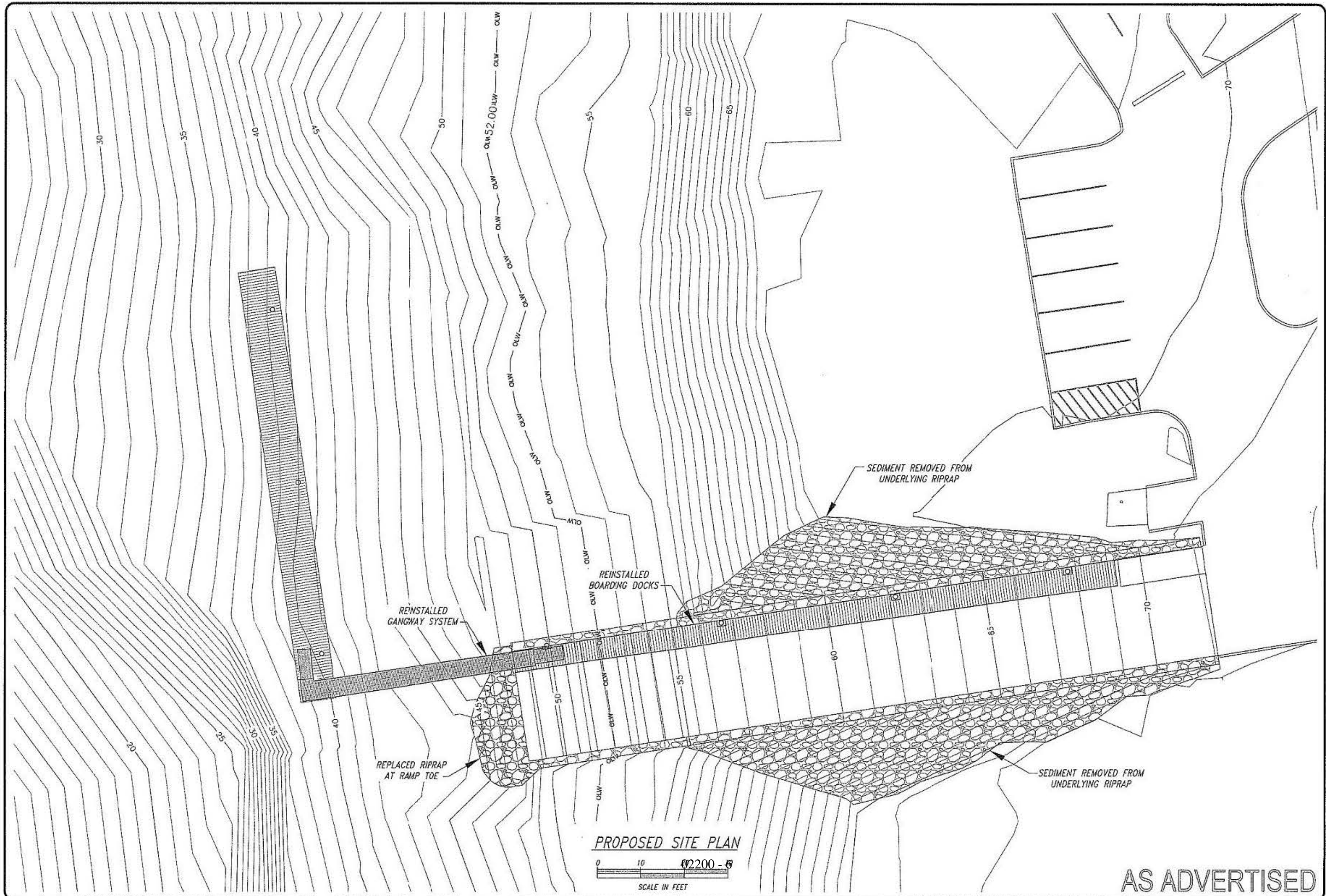


EXISTING SITE PLAN
AT HEBB PARK, WILLAMETTE RIVER - MILE 34.0
FOR CLACKAMAS COUNTY PARKS

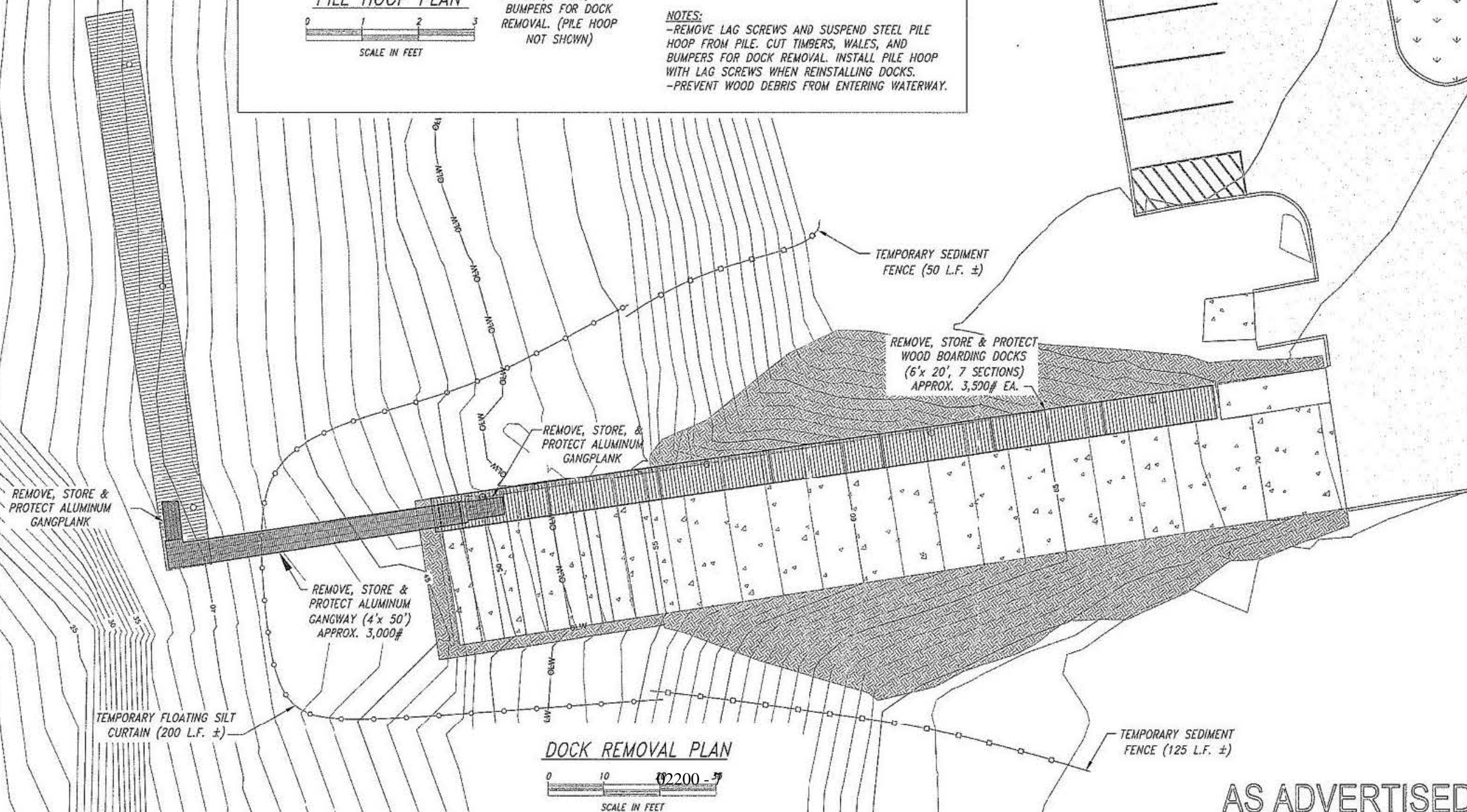
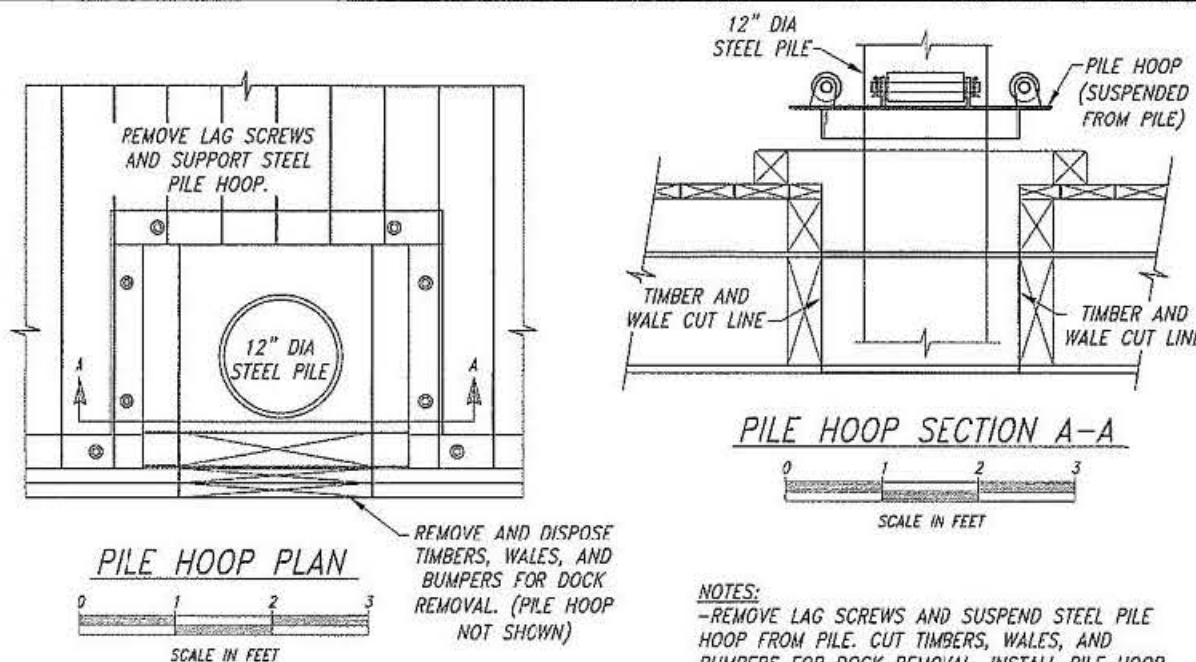
OREGON STATE MARINE BOARD

02	06
SHEET	OF
0313 - 1541 - 02	
DRAWING NO.	

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FILE NAME: 0313-1541-02.dwg



PROPOSED SITE PLAN AT HEBB PARK, WILLAMETTE RIVER - MILE 34.0 FOR CLACKAMAS COUNTY PARKS		OREGON STATE MARINE BOARD	
03 SHEET	06 OF	0313 - 1541 - 03 DRAWING NO.	
DESIGNED BY S. JANTZE		DATE 20 MAY 2016	
DRAWN BY S. JANTZE		DATE 20 MAY 2016	
APPROVED: BOATING FACILITIES MANAGER S. JANTZE		DATE 20 MAY 2016	
FINAL CHECK BY S. JANTZE		DATE 20 MAY 2016	
FILE PATH: J:\0313-1541-03\03131541 - Hebb Park Boat Launch.dwg		FILE NAME: 03 - Proposed Site Plan.dwg	



AS ADVERTISED

DATE	REVISIONS	BY

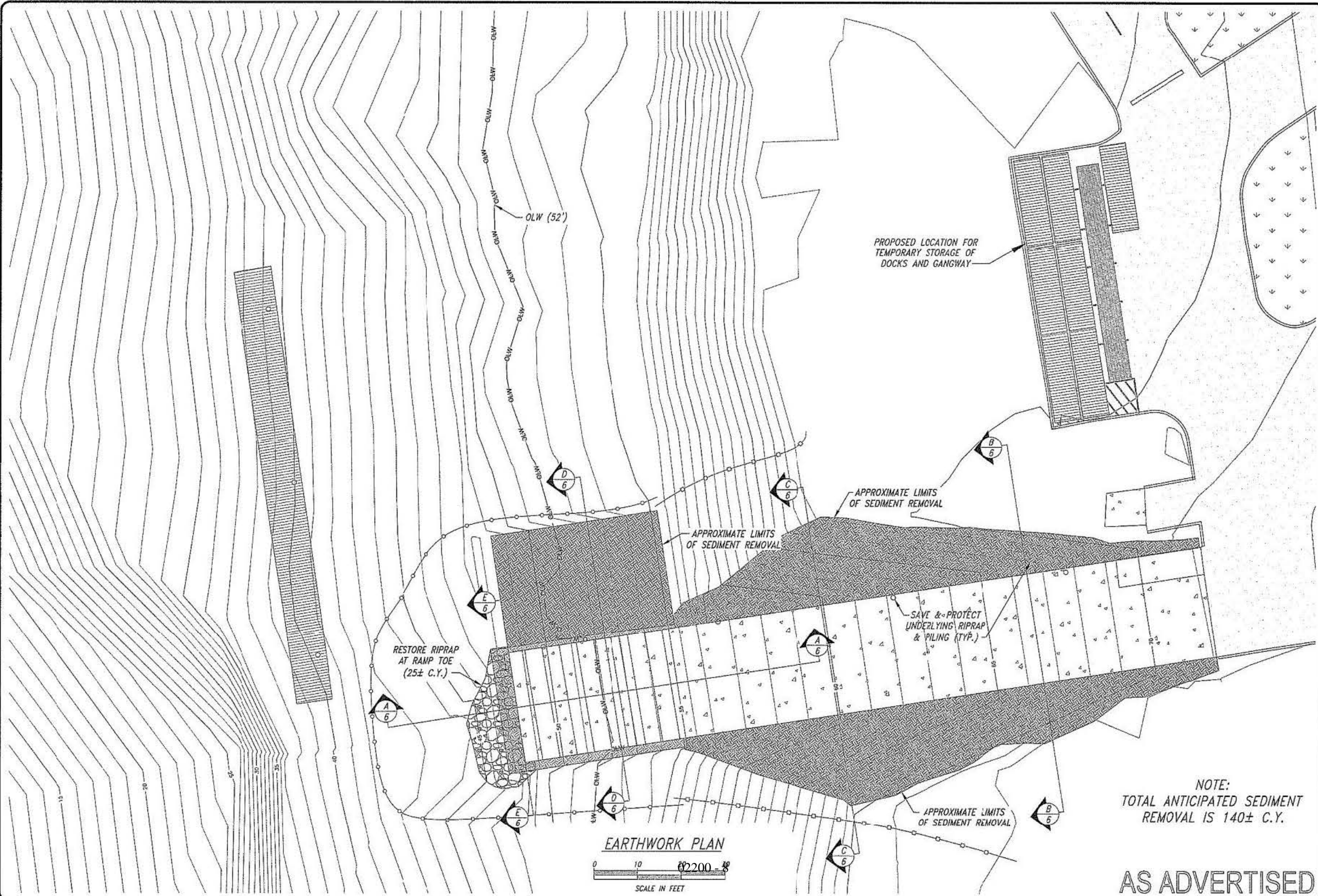
APPROVED: BOATING FACILITIES MANAGER	DESIGNED BY	DATE
<i>[Signature]</i>	S. JANITZ	20 MAY 2016
FINN CHECK BY	DRAWN BY	
<i>[Signature]</i>		



DOCK REMOVAL PLAN
AT HEBB PARK, WILLAMETTE RIVER - MILE 34.0
FOR CLACKAMAS COUNTY PARKS

OREGON STATE MARINE BOARD

04	06
SHEET	OF
0313-1541-04	
DRAWING NO.	

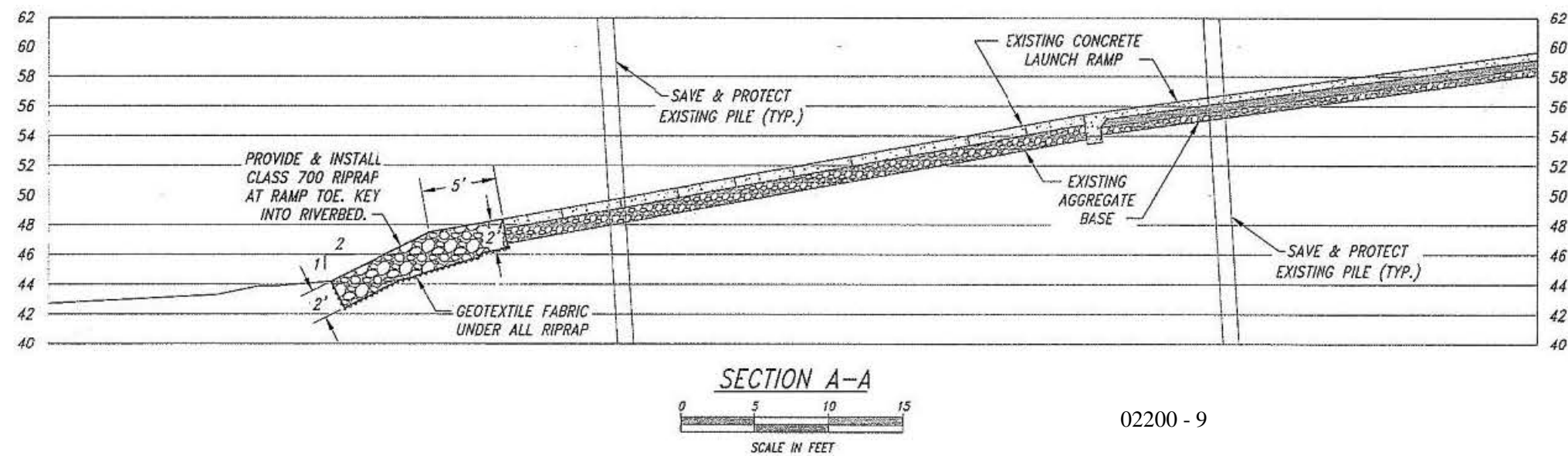
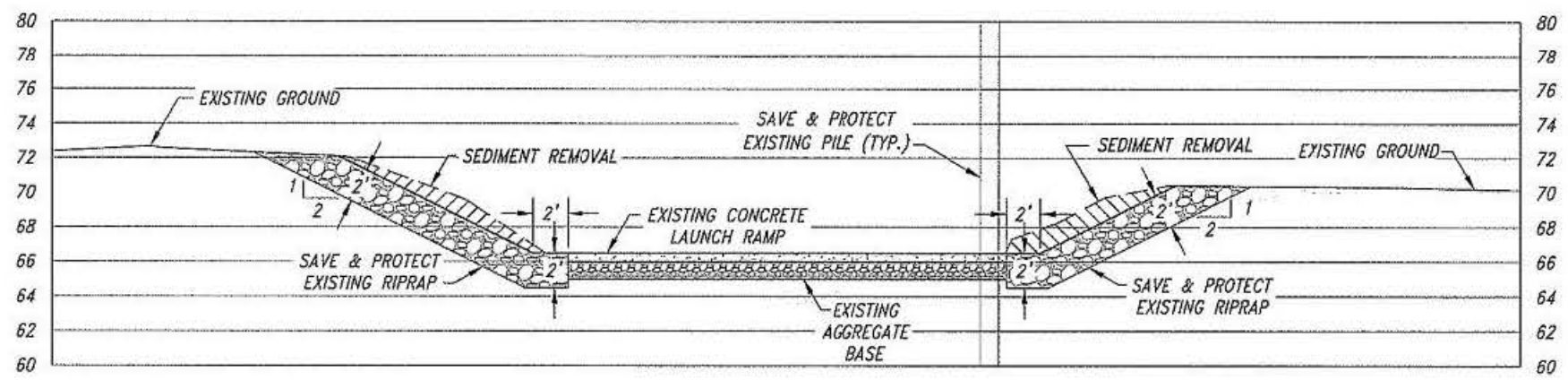
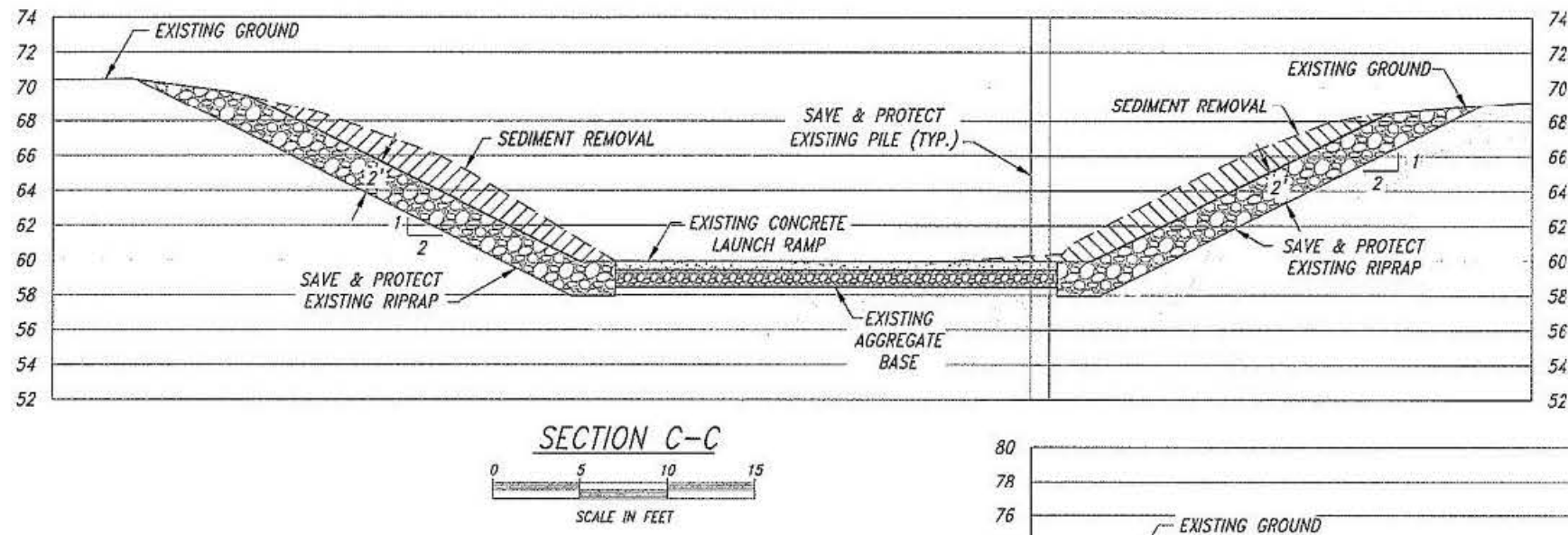
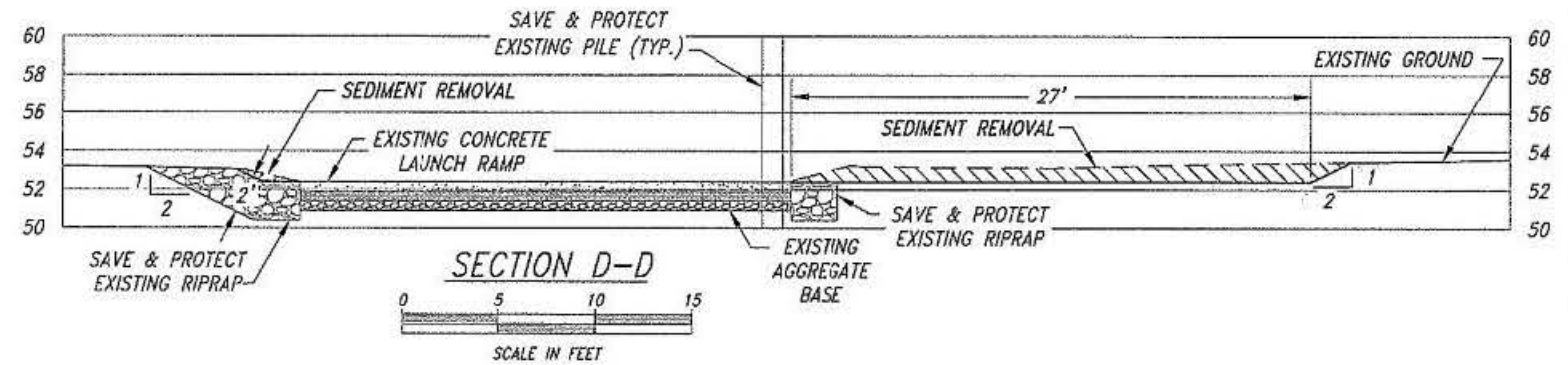
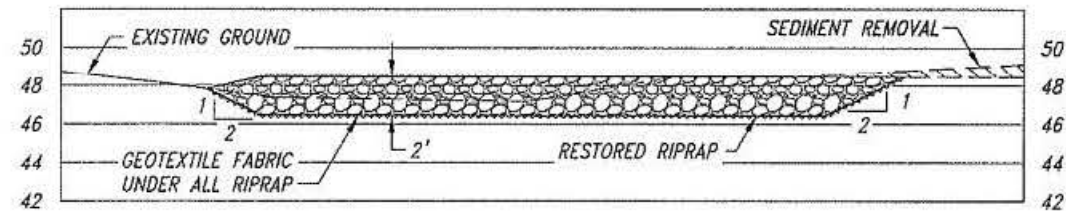


EARTHWORK PLAN

NOTE:
TOTAL ANTICIPATED SEDIMENT
REMOVAL IS 140± C.Y.

AS ADVERTISED

EARTHWORK PLAN AT HEBB PARK, WILLAMETTE RIVER - MILE 34.0 FOR CLACKAMAS COUNTY PARKS		OREGON STATE MARINE BOARD	
05 SHEET	06 OF	0313 - 1541 - 05 DRAWING NO.	
<p>DESIGNED BY: S. JANTZE</p> <p>DRAWN BY: S. JANTZE</p> <p>DATE: 20 MAY 2016</p>		<p>REGISTERED PROFESSIONAL ENGINEER</p> <p>CLACKAMAS COUNTY</p> <p>WILLIAMETTE RIVER</p> <p>ENGINEER</p>	
<p>FILE PATH: \A\0130 Projects\1313 - Hebb Park\Drawings\0513 - Earthwork Plan.dwg</p> <p>FILE NAME: 05 - Earthwork Plan.dwg</p>		<p>REVISIONS</p> <p>DATE</p>	



DATE	BY	REVISIONS

DESIGNED BY	S. JANTZE	20 MAY 2016
DRAWN BY	S. JANTZE	DATE



SECTIONS
AT HEBB PARK, WILLAMETTE RIVER - MILE 34.0
FOR CLACKAMAS COUNTY PARKS

OREGON STATE MARINE BOARD

05	06
SHEET	OF
C313 - 1541 - 06	
DRAWING NO.	

02200 - 9

AS ADVERTISED