

Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
ONE CAPITOL HILL
PROVIDENCE RI 02908

CREATION DATE : 09-FEB-12
BID NUMBER: 7449474
TITLE: SURVEY OF THE BATHYMETRY/TOPOGRAPHY OF AN EXISTING BOAT LAUNCH AT GODDARD PARK
BLANKET START : 01-MAR-12
BLANKET END : 30-JUN-13
BID CLOSING DATE AND TIME:08-MAR-2012 10:30:00

BUYER: Gill, Raymond E Jr
PHONE #: 401-574-8466

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DOA CONTROLLER
ONE CAPITOL HILL, 4TH FLOOR
SMITH ST
PROVIDENCE, RI 02908
US

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O
DEM-FORT WETHERILL MARINE FISHERIES
LABORATORY
3 FOR WETHERILL ROAD
JAMESTOWN, RI 02835
US

Requisition Number: 1245092

Note to Bidders: THERE WILL BE NO PRE-BID MEETING. BIDDERS ARE REQUIRED TO INSPECT THE LOCATION PRIOR TO SUBMITTING BIDS. QUESTIONS SHOULD BE SUBMITTED TO (Bidinfo@purchasing.ri.gov) AND REFERENCE RFQ 7449474 DEM SURVEY GODDARD PARK

CONTRACT PERIOD:
03/01/2012 TO 6/30/2013

Line	Description	Quantity	Unit	Unit Price	Total
1	SURVEY OF THE BATHYMETRY/TOPOGRAPHY OF AN EXISTING BOAT LAUNCH AT GODDARD PARK PER ATTACHED SPECIFICATIONS	1.00	Each		

Delivery: _____

Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer.

BOAT LAUNCH IMPROVEMENTS

PRELIMINARY INVESTIGATION

SCOPE OF WORK

The base bid includes a bathymetry/topography survey of an existing boat launch at Goddard Memorial State Park in Warwick, Rhode Island as well as soil exploration, analytical analysis, and a dredging feasibility report. This information will be used to design rehabilitation of the boat launch and the survey plan and soil borings will be included in the project construction documents to establish the existing conditions. The property is a portion of Plat No. 206 Lot 1 in the City of Warwick.

The topographic survey shall:

- 1 Show contours at one (1) foot intervals in the **mean low water datum**;
- 2 Show mean high water, mean tide level, NAVD 1988, NGVD 1929, high tide line, mean low water, and lowest expected water mark referenced from a NOAA National Ocean Service tide station. The surveyor shall also record the elevation of a high tide and a low tide in the field and reference the recorded elevation to the predicted elevation as published by NOAA. See the NOAA website at <http://www.co-ops.nos.noaa.gov> for information about making tide level predictions;
- 3 Show the elevation and location of any submerged large stones, ledge, outcrop, structures, piles, etc. in the area of the survey which would inhibit boat launching or construction vessels/equipment from accessing the area;
- 4 Show location and elevation of all existing structures and utilities. Utilities shall indicate the type of pipe, size, invert elevations, and flow type;
- 5 Show location of all treelines, individual trees outside of treelines, and aquatic vegetation areas;
- 6 Show the location of all roads (gravel or paved) and parking areas;
- 7 Show the edge of the "Coastal Feature" and any coastal or freshwater wetland which shall be flagged in accordance with rules and regulations of the Coastal Resources Management Council;
- 8 Be drawn at the largest appropriate scale;
- 9 Establish two permanent benchmarks within 200 feet of the boat launch in areas that will not be easily damaged, moved, or destroyed by construction operations;
- 10 Establish a permanent horizontal control (state plane coordinates NAD 1983 US foot) base line;
- 11 Show the CRMC Water Type Designation.

Survey Limits

The water limits for bathymetry include all land under the water approximately 300 feet northwest, 100 feet southwest, and 150 feet northeast of the centerline of the existing boat launch.

The upland limits for the topographical survey shall include the existing gravel parking area and wooded area.

approximately 100 feet northeast and 100 feet southwest of the existing gravel area. The southeasterly limit shall be the paved parked roadway. See attached plan.

Deliverables:

Surveyor shall provide one (1) mylar plan 24"x36", one (1) bond copy, and the **project**, on disk in the AutoCAD drawing format (DWG) DXF, DGN, or formats other than DWG will not be allowed. Survey points shall also be included as a text file or other appropriate format. Scan all disks prior to submission to assure that they are virus free

Soil exploration:

- 1 Perform 2 soil borings adjacent to the existing boat ramp. Boring #1 shall be approximately 5± feet southwest of the existing ramp at the low water mark measured parallel with the ramp. Boring #2 shall be approximately 5± feet northwest of the existing ramp 30± feet into the water measured parallel with the ramp at low tide;
- 2 Depth of penetration will be approximately 50 feet. Anticipated water depths in this area are less than 10 feet;
- 3 The soil borings shall consist of 2-1/2 or 3 inch diameter cased borings with 1-3/8 inch diameter samples taken at 5 foot intervals;
- 4 Report of the borings shall include the following:
 - a Sample Number;
 - b Depth below surface;
 - c Type of Sample;
 - d Penetration blows per unit depth;
 - e Density or consistency of sample;
 - f Profile change depth;
 - g Field identification of soil including color, gradation, type of soil or rock, hardness and drilling time;
 - h Hammer weight and fall;
- 5 If a rock or other obstacle is encountered, the contractor shall complete a drilling log of the hole then abandon the location and begin a new bore hole approximately 10 feet away. If a rock or other obstacle is encountered on the second attempt, the contractor shall core rock with to a total depth of -10 (lsd)
- 6 Provide a grain size distribution test report for composite borings from 0-10 feet. Plot grain size vs percent finer on semi-logarithmic paper

Soil Analytical Analysis

Two soil samples shall be taken from the area expected to be dredged during the boat ramp reconstruction project, generally in line with the existing boat ramp and at least 20 feet apart. The samples shall be taken at different depths in accordance with the RIDEM *Rules and Regulations for Dredging and the Management of Dredge Materials*. For dredging depth, assume the material to be dredged will extend to -4.0 MLW. Analysis of the material shall include the following:

<u>Sample</u>	<u>EPA Method</u>	<u>Minimum Reporting Level</u>
Grain Size		
% Moisture		
TPH	SW 8015C	100 mg/kg
SVOC	8270 SIM	10 ug/kg
PCB	8082	0.02 mg/kg
PAH	8270-Six Tier 1 compounds	
Arsenic (As)	6010, 6020, 7061, 7062, 7000, 7010	0.4 mg/kg
Cadmium (Cd)	6010, 6020, 7000, 7010	0.07 mg/kg
Chromium (Cr)	6010, 6020, 7000, 7010	0.5 mg/kg
Copper (Cu)	6010, 6020, 7000, 7010	0.5 mg/kg
Lead (Pb)	6010, 6020, 7000, 7010	0.5 mg/kg
Mercury (Hg)	7470, 7471, 7472	0.07 mg/kg
Nickel (Ni)	6010, 6020, 7000, 7010	0.5 mg/kg
Zinc (Zn)	6010, 6020, 7000, 7010	1.0 mg/kg
TCLP or SPLP	1311, 1312	
Barium (Ba)	6010, 6020	
Selenium (Se)	6010, 6020, 7741, 7742	
Silver (Ag)	6010, 6020	

Dredging Feasibility Report

Based upon information obtained from the topographic/bathymetric survey, soil exploration, and analytical information as well as a detailed analysis of other accessible scientific data, maps, and reports, a report shall be prepared with regard to the feasibility of dredging the area to provide a deep water ramp at all stages of the tide. It is the intention of the Department to design a boat launch that can provide 4 feet of depth at mean low water at the toe of the ramp and channel to deeper water. To this end, as part of the boat launch construction, dredging will be required as the current ramp does not meet this requirement.

Deliverables:

A report shall be submitted as part of this work discussing the feasibility of performing dredging. It shall discuss the likelihood of the channel being naturally maintained after the dredging is performed, an estimate of the length of time that the channel will be usable for boating, recommended side slopes, dredge quantity, construction methodology, as well as a schedule and costs associated with maintenance dredging. The report shall also discuss design strategies to maintain the channel and an area to dispose maintenance dredge spoils.

Three scenarios shall be addressed.

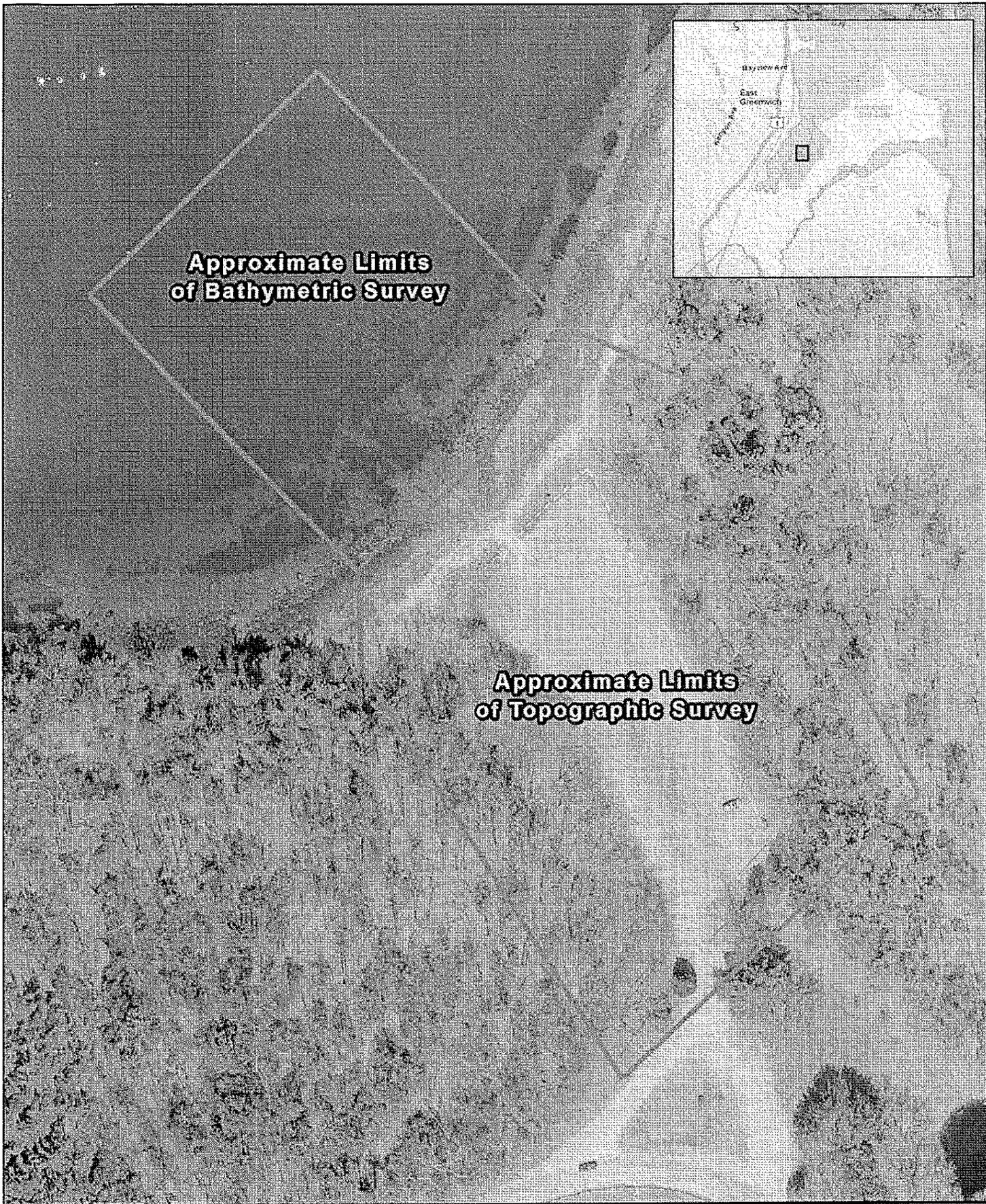
- 1 Ramp development in its existing location and orientation;
- 2 Ramp development generally in the same location with a change in orientation;
- 3 Addition of some type of structural stabilization in order to keep the channel open.

Contact Jay McGinn of the Department of Environmental Management, Division of Planning and Development 401-222-2776 x4313 prior to proceeding with the work and to review the scope.

Proposal shall include pricing for each of the items listed in this scope of work. Payment will be made upon receipt and acceptance of the work only.

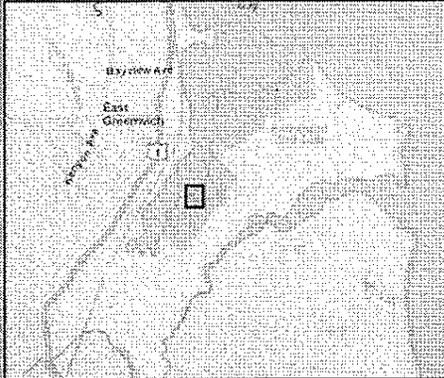
Site Location:

Boat Ramp is located within Goddard State Park approximately at RI State Plane Coordinates N:208045
E:343331

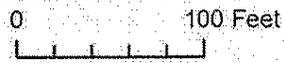


**Approximate Limits
of Bathymetric Survey**

**Approximate Limits
of Topographic Survey**



Title:	
Scale:	1:1,200
Date:	8/10
Drawn by:	paj



Note:
This map was created by RIDEM for informational, planning and guidance use only. It is a general reference, not a legally authoritative source for the location of natural or manmade features. Proper interpretation of this map may require the assistance of appropriate professional services. The cartographic representations depicted have not been verified by a RI Registered Professional Land Surveyor and are not intended to be used in place of a survey. RIDEM makes no warranty, express or implied, related to the accuracy.



Contract Terms and Conditions

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Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

RIVIP INFO - BID SUBMISSION REQUIREMENTS

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INSPECTION REQUIREMENTS

BIDDERS ARE RESPONSIBLE FOR INSPECTION OF EQUIPMENT AND/OR LOCATION, TAKING MEASUREMENTS* WHEN REQUIRED, AND MAKING THEMSELVES AWARE OF THE TOTAL REQUIREMENT BEFORE SUBMITTING A BID. *MEASUREMENTS PROVIDED WITH ANY BID ARE FOR REFERENCE PURPOSES AND ARE NOT GUARANTEED TO BE COMPLETELY ACCURATE.

INSURANCE REQUIREMENTS

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: * PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. * BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. * SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION. * ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. * VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

LICENSE REQUIREMENTS

VENDOR (OWNER OF COMPANY) IS RESPONSIBLE TO COMPLY WITH ALL LICENSING OR STATE PERMITS REQUIRED FOR THIS TYPE OF SERVICE. A COPY OF LICENSE/PERMIT SHOULD BE SUBMITTED WITH THIS BID. IN ADDITION TO THESE LICENSE REQUIREMENTS, BIDDER, BY SUBMISSION OF THIS BID, CERTIFIES THAT ANY/ALL WORK RELATED TO THIS BID, AND ANY SUBSEQUENT AWARD WHICH REQUIRES A RHODE ISLAND LICENSE(S), SHALL BE PERFORMED BY AN INDIVIDUAL(S) HOLDING A VALID RHODE ISLAND LICENSE.

AWARD

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS