US Army Corps of Engineers
Seattle District

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Joint Public Notice

Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

US Army Corps of Engineers
Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone: (206) 316-3153
ATTN: Lori C. Lull,
Project Manager

WA Department of Ecology
SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone: (360) 407-6068
ATTN: SEA Program,
Federal Permit Coordinator

Public Notice Date: May 2, 2014
Expiration Date: June 1, 2014

Reference No.: NWS-2007-785
Name: City of Gig Harbor

Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the U.S. as described below and shown on the enclosed drawings dated August 2013.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

APPLICANT: City of Gig Harbor
3510 Grandview Street
Gig Harbor, Washington 98335
Attention: Ms. Lita Dawn Stanton
Telephone: (253) 853-7609

LOCATION: 3805 Harborview Drive, Gig Harbor, Washington 98335

WORK: The proposed work includes completion of two 70-ton marine railways at the Eddon Boat site. The work includes installation of remaining piling, remaining steel cross members, wood beams, and steel rails.

An 18.5-foot by 46.5-foot carriage would rest on one railway and a 20-foot by 40-foot carriage would rest on the other railway. An existing winch system would be used to raise and lower both carriages.

The applicant also proposes to install a 3091 square foot, four-inch thick concrete containment pad to capture stormwater and wash waste water from boatyard activities. A grate covered catchment trough would be located along the waterward edge of the containment pad to collect waste water, direct to a sump pump, and pump to uplands for treatment and discharge consistent with the requirements of the National Pollutant Discharge Elimination System permit.

Previous work: On March 20, 2008, the applicant was issued a permit and on September 15, 2011, the permit was extended until March 20, 2013. The work under that permit included: 1) Removal of existing gangway and float,

2) Demolition of existing marine railways and pier including the removal of 87 creosote-treated piling, 3) Dredging of contaminated sediments to a depth of two to three feet below the existing surface in a 0.5 of an acre area, 4) Sampling in dredged areas that would not receive backfill to ensure that cleanup levels are achieved, 5) Placement of an engineered cap consisting of a 1-foot thickness of sand covered by 6-inches of habitat material (2500 cubic yards), 6) Removal of a creosote-treated bulkhead and slope re-grade, and 7) Rebuilding of marine railways and pier including re-installation of the gangway and float.

The majority of the permitted work was completed prior to expiration of the permit. The reconstruction of the marine railways was not completed. 53 of the 68 steel piling were installed prior to expiration of the permit.

PURPOSE: To restore historic boat building use at the Eddon Boat site.

ADDITIONAL INFORMATION: The marine sediments on the site have been remediated through the Department of Ecology's Voluntary Cleanup Program pursuant to the Washington State Model Toxics Control Act.

The location of the mean higher high water mark shown on the project drawings has not yet been verified by the Corps. If the Corps determines the boundaries of the waters are substantially inaccurate a new public notice may be published.

MITIGATION: The applicant has proposed best management practices to avoid and minimize impacts from construction. The applicant believes that impacts will be offset by the long term water quality enhancement due to capture and filtration of storm water and wash waste water.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. After receipt of comments from this public notice, the Corps will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat. If the Corps determines that the proposed action may adversely affect Essential Fish Habitat (EFH) for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

CULTURAL RESOURCES: The Corps has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible and other sources of information. The permit area contains historic properties eligible for inclusion in the National Register. A Memorandum of Agreement regarding Historic Properties at the Eddon Boatyard was signed prior to permit issuance for the prior action in 2008. The Corps will review the proposed work and determine if an additional investigation is justified. The Corps invites responses to this public notice from Native American Tribes or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns regarding historic properties and sites of religious and cultural significance at or near the project area. After receipt of comments from this public notice, the Corps will evaluate potential impacts and consult with the State Historic Preservation Officer and Native American Tribes in accordance with Section 106 of the National Historic Preservation Act, as appropriate.

EVALUATION – CORPS: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife

values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

EVALUATION – ECOLOGY: Ecology is soliciting comments from the public; Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

ADDITIONAL EVALUATION: This proposal is the subject of Shorelines Substantial Development Permit No. SDP-13-0004, which is being processed by the City of Gig Harbor.

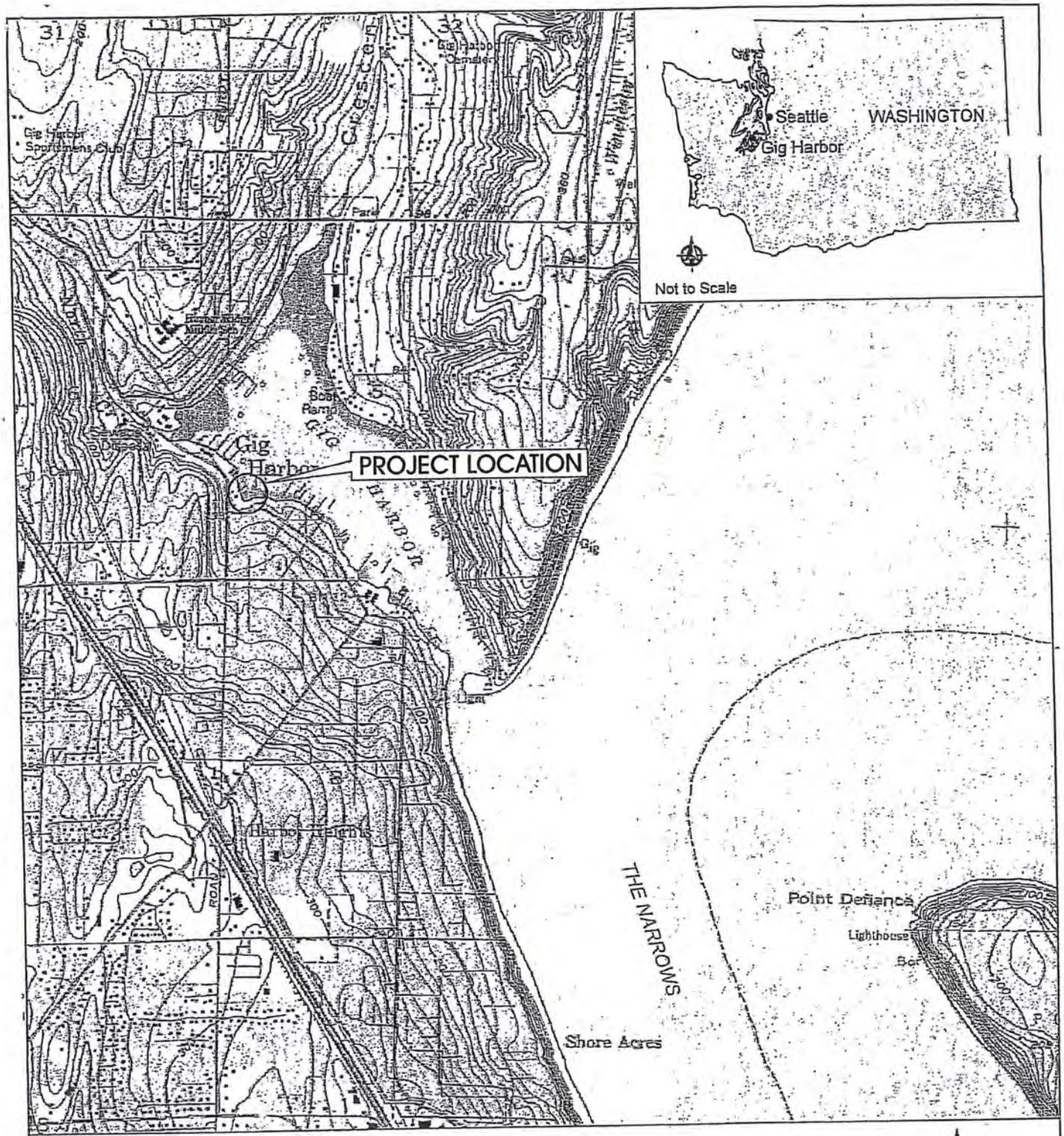
COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentator's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

CORPS COMMENTS: All e-mail comments should be sent to lori.c.lull@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Ms. Lori Lull, Regulatory Program, P.O. Box 3755, Seattle, Washington 98124-3755. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

ECOLOGY COMMENTS: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: Federal Permit Coordinator, P.O. Box 47600, Olympia, Washington 98504-7600, or e-mail to ecyrefedpermits@ecy.wa.gov.

To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: City of Gig Harbor; NWS-2007-785

Encl: Figures (14)



NOTE: BASE MAP PREPARED FROM TERRAIN NAVIGATOR PRO USGS 7.5 MINUTE QUADRANGLE MAP OF GIG HARBOR, WASHINGTON.

0 2000
SCALE IN FEET

VICINITY MAP

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITIES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.

DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
MLLW = 0.0 - M.O.S.
S5 T21N R2E

ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

REFERENCE #
NWS- 2007-785

SITE LOCATION ADDRESS:
3711 AND 3805 HARBORVIEW DRIVE
GIG HARBOR, WASHINGTON 98335

PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.

IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

DATE: AUGUST 2013 SHEET#1 OF 16

The map features are approximate and are intended only to provide an indication of said feature. Additional areas that have not been mapped may be present. This is not a survey. Orthophotos may not align with other data. Pierce County assumes no liability for variations ascertained by actual survey. All data is expressly provided AS IS and WITH ALL FAULTS. Pierce County makes no warranty of fitness for a particular purpose.

Eddon Boat-3805 Harborview Dr.

Existing Structures

Legend

- Tax Parcels
  - Base Parcel
  - Condominium
  - Other
- Roads
  - Interstate
  - Limited Access State Routes
  - Other State Routes
  - Ramps
  - Major Arterial
  - Collector
  - Local Access
- Orthophotos - 2011 - GH

Sheet 2 of 6
NWS-2007-785

Printed: 4/14/14 4:51 PM

Scale 1:1,842

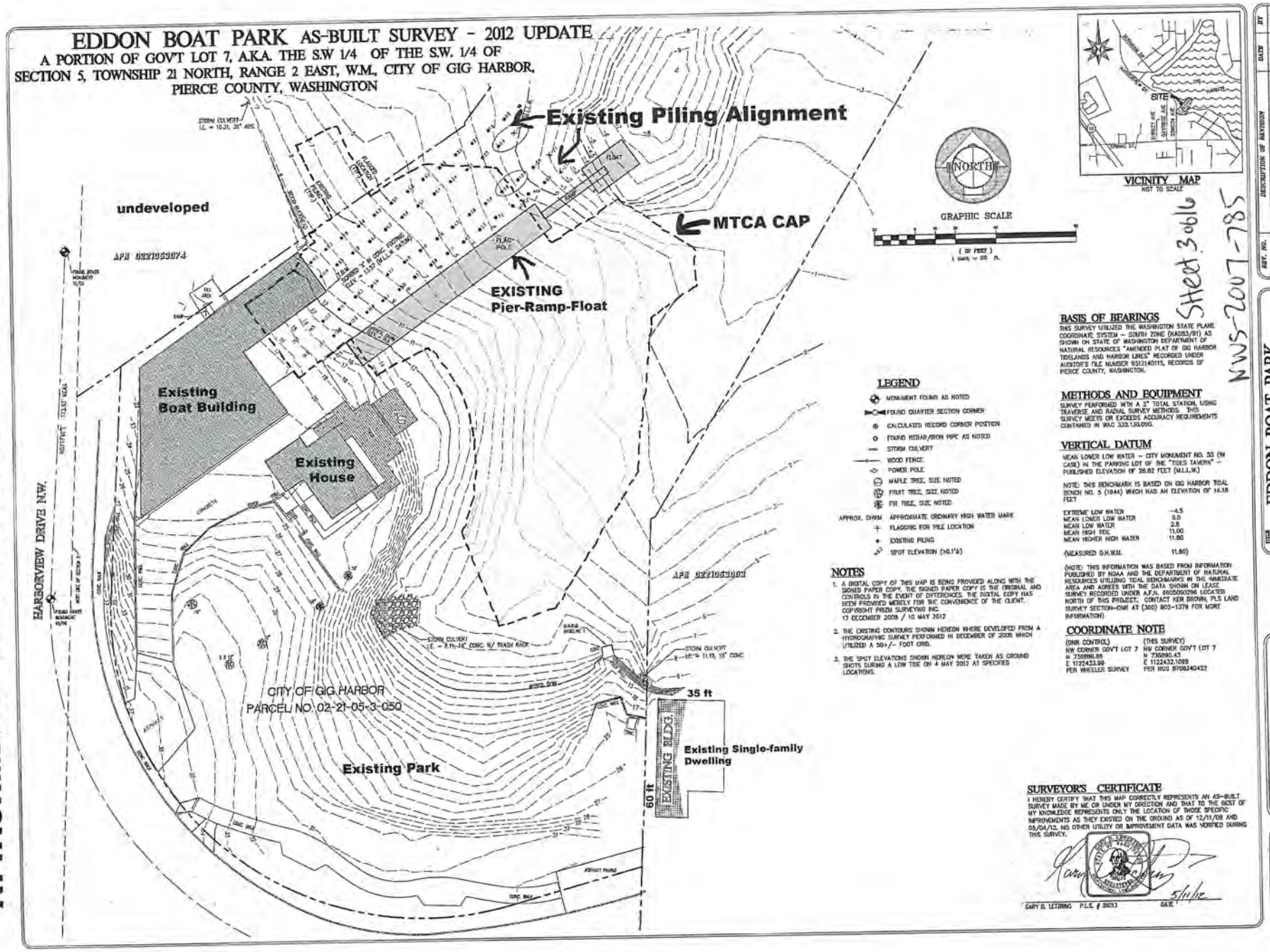
0 75 150 ft.

GIG HARBOR
"THE MARITIME CITY"

ATTACHMENT 1 EXISTING IMPROVEMENTS

EDDON BOAT PARK AS-BUILT SURVEY - 2012 UPDATE

A PORTION OF GOV'T LOT 7, A.K.A. THE S.W 1/4 OF THE S.W. 1/4 OF SECTION 5, TOWNSHIP 21 NORTH, RANGE 2 EAST, W.M., CITY OF GIG HARBOR, PIERCE COUNTY, WASHINGTON



Sheet 3 of 6

NWS-2007-785

LEGEND

- MONUMENT FOUND AS NOTED
- FOUND QUARTER SECTION CORNER
- CALCULATED RECORD CORNER POSITION
- FOUND REBAR/IRON PIPE AS NOTED
- STORM CULVERT
- WOOD FENCE
- POWER POLE
- MAPLE TREE, SIZE NOTED
- FRUIT TREE, SIZE NOTED
- FIR TREE, SIZE NOTED
- APPROX. OHWM — APPROXIMATE ORDINARY HIGH WATER MARK
- FLAGGING FOR PILE LOCATION
- EXISTING PILING
- SPOT ELEVATION (±0.1')

NOTES

1. A DIGITAL COPY OF THIS MAP IS BEING PROVIDED ALONG WITH THE SIGNED PAPER COPY. THE SIGNED PAPER COPY IS THE ORIGINAL AND CONTROLS IN THE EVENT OF DIFFERENCES. THE DIGITAL COPY HAS BEEN PROVIDED MERELY FOR THE CONVENIENCE OF THE CLIENT. COPYRIGHT PRIZM SURVEYING INC. 17 DECEMBER 2008 / 10 MAY 2012
2. THE EXISTING CONTOURS SHOWN HEREON WHERE DEVELOPED FROM A HYDROGRAPHIC SURVEY PERFORMED IN DECEMBER OF 2008 WHICH UTILIZED A 50+/- FOOT GRID.
3. THE SPOT ELEVATIONS SHOWN HEREON WERE TAKEN AS GROUND SHOTS DURING A LOW TIDE ON 4 MAY 2012 AT SPECIFIED LOCATIONS.

BASIS OF BEARINGS

THIS SURVEY UTILIZED THE WASHINGTON STATE PLANE COORDINATE SYSTEM – SOUTH ZONE (NAD83/91) AS SHOWN ON STATE OF WASHINGTON DEPARTMENT OF NATURAL RESOURCES "AMENDED PLAT OF GIG HARBOR TIDELANDS AND HARBOR LINES" RECORDED UNDER AUDITOR'S FILE NUMBER 9512140115, RECORDS OF PIERCE COUNTY, WASHINGTON.

METHODS AND EQUIPMENT

SURVEY PERFORMED WITH A 2" TOTAL STATION, USING TRAVERSE AND RADIAL SURVEY METHODS. THIS SURVEY MEETS OR EXCEEDS ACCURACY REQUIREMENTS CONTAINED IN WAC 332.130.090.

VERTICAL DATUM

MEAN LOWER LOW WATER – CITY MONUMENT NO. 55 (IN CASE) IN THE PARKING LOT OF THE "TIDES TAVERN" – PUBLISHED ELEVATION OF 26.62 FEET (M.L.L.W.)

NOTE: THIS BENCHMARK IS BASED ON GIG HARBOR TIDAL BENCH NO. 5 (1944) WHICH HAS AN ELEVATION OF 14.18 FEET

EXTREME LOW WATER	-4.5
MEAN LOWER LOW WATER	0.0
MEAN LOW WATER	2.8
MEAN HIGH TIDE	11.00
MEAN HIGHER HIGH WATER	11.80
(MEASURED O.H.W.M.	11.80)

(NOTE: THIS INFORMATION WAS BASED FROM INFORMATION PUBLISHED BY NOAA AND THE DEPARTMENT OF NATURAL RESOURCES UTILIZING TIDAL BENCHMARKS IN THE IMMEDIATE AREA AND AGREES WITH THE DATA SHOWN ON LEASE SURVEY RECORDED UNDER A.F.N. 9605050296 LOCATED NORTH OF THIS PROJECT. CONTACT KEN BROWN, PLS LAND SURVEY SECTION-DNR AT (360) 902-1378 FOR MORE INFORMATION)

COORDINATE NOTE

(DNR CONTROL)	(THIS SURVEY)
NW CORNER GOV'T LOT 7	NW CORNER GOV'T LOT 7
N 750896.85	N 750890.43
E 1122433.99	E 1122432.098
PER WHEELER SURVEY	PER NGS BT08240422

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS MAP CORRECTLY REPRESENTS AN AS-BUILT SURVEY MADE BY ME OR UNDER MY DIRECTION AND THAT TO THE BEST OF MY KNOWLEDGE REPRESENTS ONLY THE LOCATION OF THOSE SPECIFIC IMPROVEMENTS AS THEY EXISTED ON THE GROUND AS OF 12/11/08 AND 05/04/12. NO OTHER UTILITY OR IMPROVEMENT DATA WAS VERIFIED DURING THIS SURVEY.

GARY D. LETBRING P.L.S. # 35053 — DATE 5/11/12

REV. NO.	DESCRIPTION OF REVISION	DATE	BY
1	APPROX. OHWM SHADING OF MHLW AS	2/16/09	DMG
2	2012 UPDATE	5/04/12	GDL

TITLE: EDDON BOAT PARK AS-BUILT SURVEY

CLIENT: ANCHOR ENVIRONMENTAL, 1423 THRID AVE, STE 300, SEATTLE, WA. 98101, ATTN: JOE PURSLEY

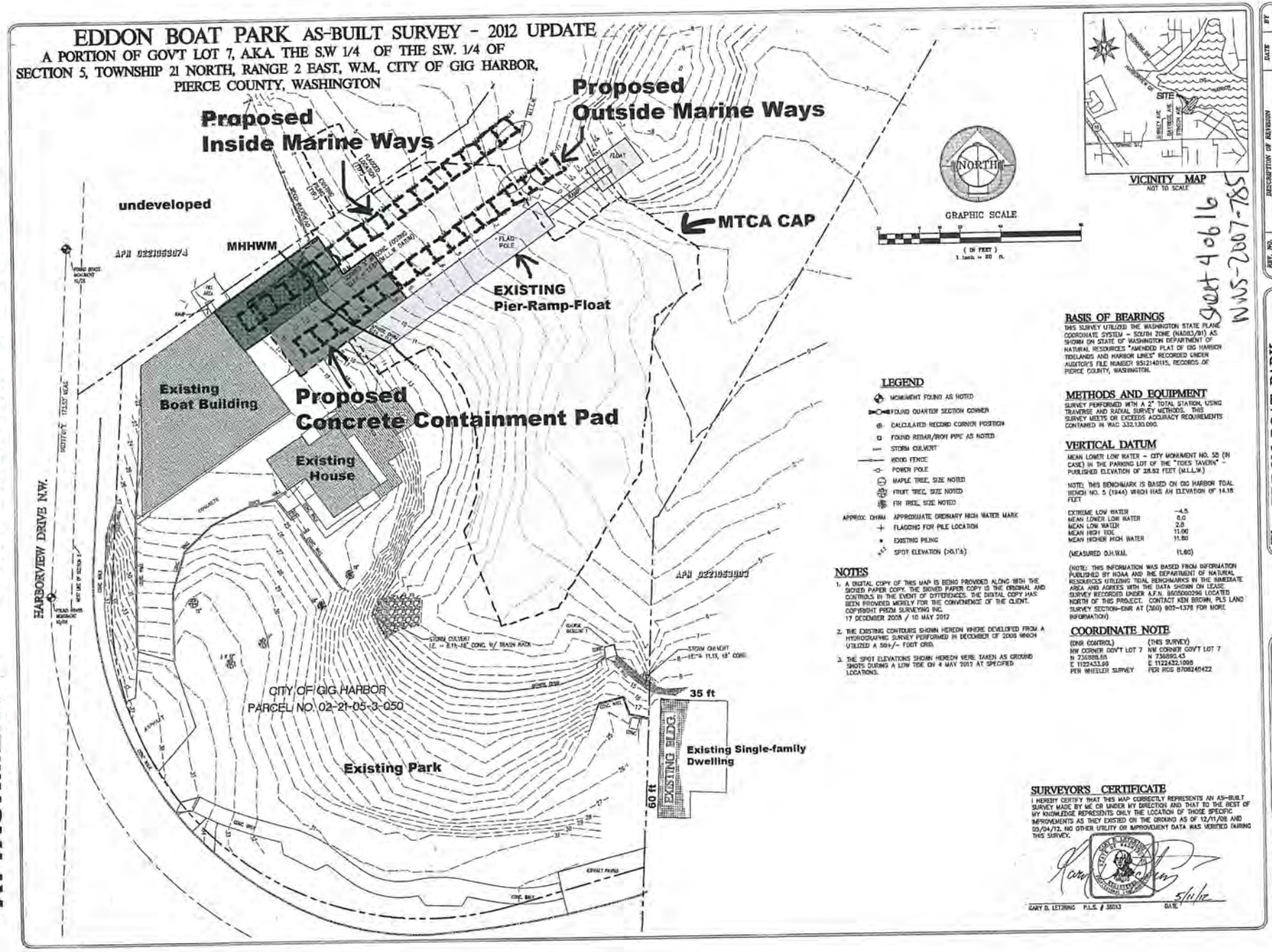
PRIZM SURVEYING INC.
P. O. BOX 110700
TACOMA WA. 98411
OFFICE 253-404-0983
FAX 253-404-0984
ESTABLISHED 1993
CONSTRUCTION LAYOUT – BOUNDARY AND TOPOGRAPHIC SURVEYS

DATE OF SURVEY 12/11/2008
DRAWN BY JK/DMG
DATE 05/04/12
SEC. 5 TWP. 21 RNG. 02
SHEET 1 OF 1
PROJECT NO. 2008-096
DRAWING NO. 2008-096EG

ATTACHMENT 1 PROPOSED IMPROVEMENTS

EDDON BOAT PARK AS-BUILT SURVEY - 2012 UPDATE

A PORTION OF GOVT LOT 7, A.K.A. THE S.W 1/4 OF THE S.W. 1/4 OF SECTION 5, TOWNSHIP 21 NORTH, RANGE 2 EAST, W.M., CITY OF GIG HARBOR, PIERCE COUNTY, WASHINGTON



LEGEND

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- CALCULATED RECORD CORNER POSITION
- FOUND REBAR/IRON PIPE AS NOTED
- STORM CULVERT
- WOOD FENCE
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- MAPLE TREE, SIZE NOTED
- FRUIT TREE, SIZE NOTED
- FIR TREE, SIZE NOTED
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- FLAGGING FOR PILE LOCATION
- EXISTING PILING
- SPOT ELEVATION (>0.1'±)

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(MEASURED O.H.W.M.	11.60)

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COORDINATE NOTE

(DNR CONTROL)	(THIS SURVEY)
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N 736808.65	N 736880.43
E 1122433.69	E 1122432.1098
PER WHEELER SURVEY	PER ROS 8706240422

SURVEYOR'S CERTIFICATE

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GARY D. LETTERING P.L.S. # 38013 — DATE 5/11/12

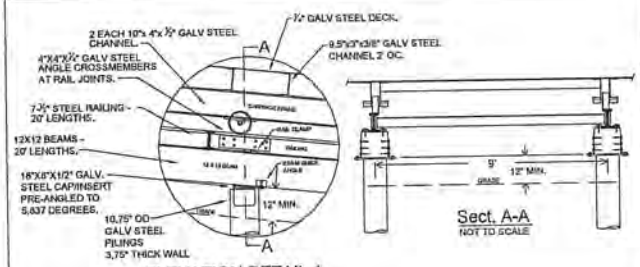
REV. NO.	DESCRIPTION OF REVISION	DATE	BY
1	APPROX. OHWM, SHADING OF AREA A1	2/16/09	DMH
2	2012 UPDATE	5/04/12	GDL

TITLE: EDDON BOAT PARK AS-BUILT SURVEY

CLIENT: ANCHOR ENVIRONMENTAL, 1423 THIRD AVE, STE 300, SEATTLE, WA 98101, ATTN: JOE PURSLEY

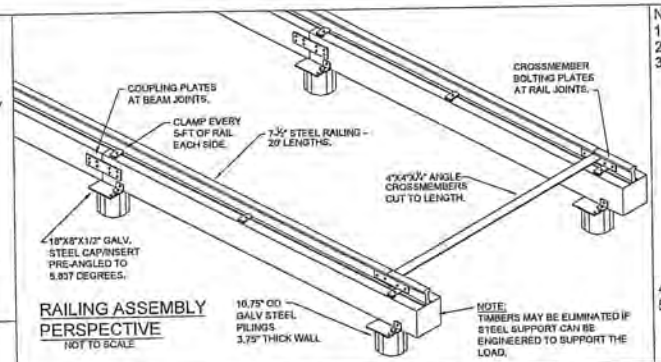
PRIZM SURVEYING INC. P. O. BOX 110700 TACOMA WA. 98411 — OFFICE 253-404-0983, FAX 253-404-0984 — ESTABLISHED 1993 — CONSTRUCTION LAYOUT - BOUNDARY AND TOPOGRAPHIC SURVEYS

DATE OF SURVEY 12/11/2008
DRAWN BY DM/DMH
DATE 05/16/12
SEC. 5 TWP. 21 RNG. 02
SHEET 1 OF 1
PROJECT NO. 2008-096
DRAWING NO. 2008-096BG



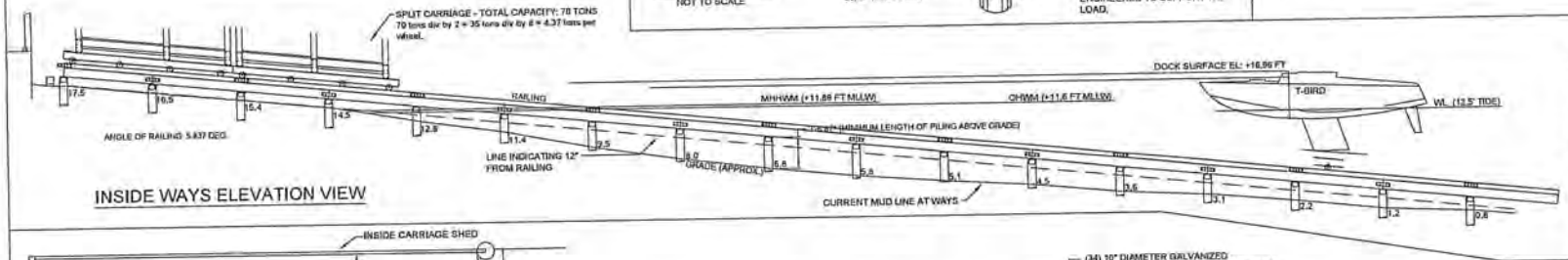
ELEVATION DETAIL 1.
TYPICAL AT "C" & "E" PILINGS, NOT TO SCALE

Sect. A-A
NOT TO SCALE

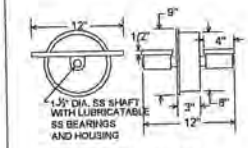


RAILING ASSEMBLY PERSPECTIVE
NOT TO SCALE

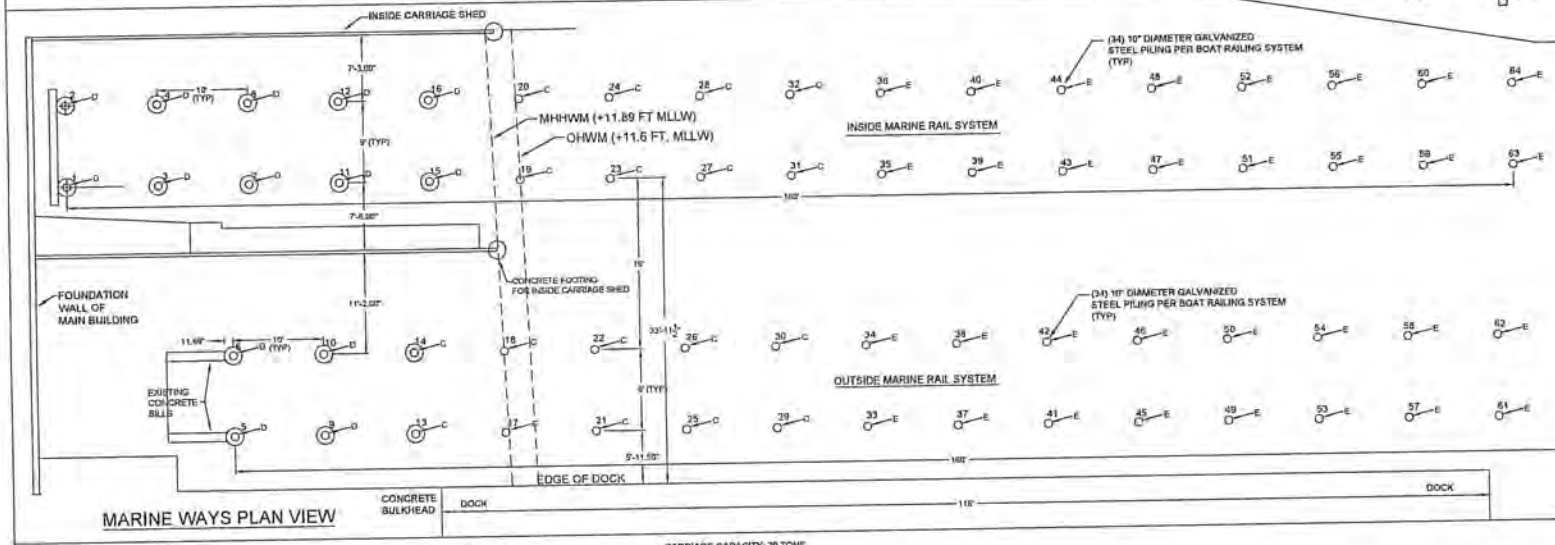
NOTES:
1. CONTRACTOR(S) IS TO COMPLY WITH ALL FEDERAL, STATE, AND CITY PERMITS.
2. MEAN LOWER LOW WATER (MLLW) = 0.0 FEET.
3. PILE DRIVING:
   WORK HOURS ARE LIMITED TO 7:00 AM TO 7:00 PM LOCAL TIME.
   DRIVE ALL PILINGS OPEN ENDED. DO NOT SPLICE PILES.
   6" HORIZONTAL PLACEMENT TOLERANCE. 6" PLUMBNESS TOLERANCE.
   VIBRATORY METHODS SHALL BE USED TO PLACE PILES.
   PILE DEPTH SHALL BE A MINIMUM OF 10' BELOW SURFACE OR UNTIL THE PSI 1200 HAMMER DRIVE THE PILE LESS THAN 6" IN 60 SECONDS.
   EACH PILE SHALL SUPPORT MIN. OF 8.75 TONS.
   TOTAL STEEL PILINGS REQUIRED: 68
   REMAINING PILINGS OR FOOTINGS TO BE INSTALLED: 14, INDICATED AS
   PILINGS DRIVEN IN MARCH 2011: 18, INDICATED AS
   PILINGS DRIVEN IN SEPTEMBER 2012: 36, INDICATED AS
   ALL PILING MUST BE DRIVEN SUCH THAT AT LEAST 4 FEET OF PILING EXTENDS ABOVE MUD LINE.
4. ALL STEEL COMPONENTS SHALL BE GALVANIZED.
5. LOWER SURFACE OF RAILING (OR BEAMS) SHALL BE A MIN. OF 12" FROM MUD SURFACE.



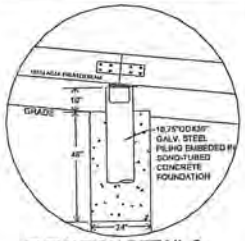
INSIDE WAYS ELEVATION VIEW



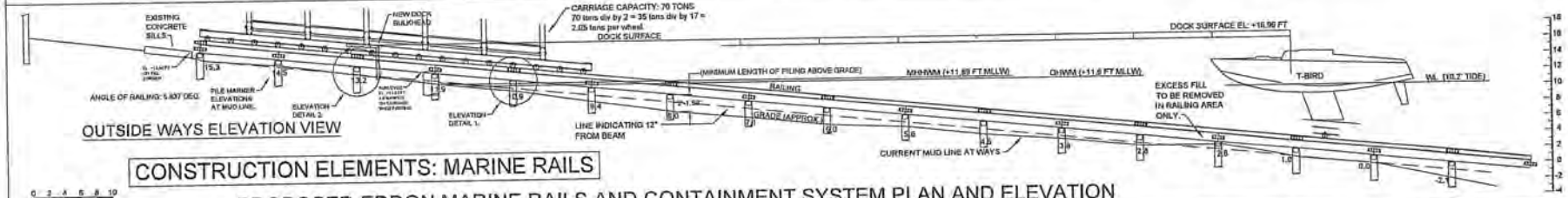
WHEEL DETAIL
NOT TO SCALE
(DIMENSIONS ARE ESTIMATES.)



MARINE WAYS PLAN VIEW



ELEVATION DETAIL 2.
TYPICAL AT "D" PILINGS, NOT TO SCALE



OUTSIDE WAYS ELEVATION VIEW

CONSTRUCTION ELEMENTS: MARINE RAILS

SCALE IN FEET

PROPOSED EDDON MARINE RAILS AND CONTAINMENT SYSTEM PLAN AND ELEVATION

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
MLLW=0.0' - N.O.S.
S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

REFERENCE#: NWS-

SITE LOCATION ADDRESS:
3711 AND 3805 HARBORVIEW DRIVE
GIG HARBOR, WASHINGTON 98335

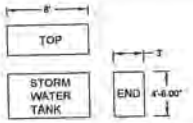
PREPARED BY:
McMillan DESIGN, INC
9816 Jacobsen Lane
Gig Harbor, WA 98332 USA
Tel(253) 858-1985
Fax(253) 858-1986
Email: john-mcmillan@earthlink.net

PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

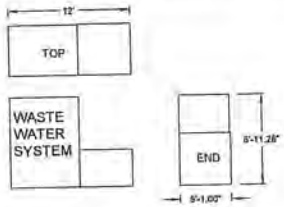
DATE: AUGUST 2013

SHEET #5 of 16
MARINE RAILS:
PLAN & ELEVATION

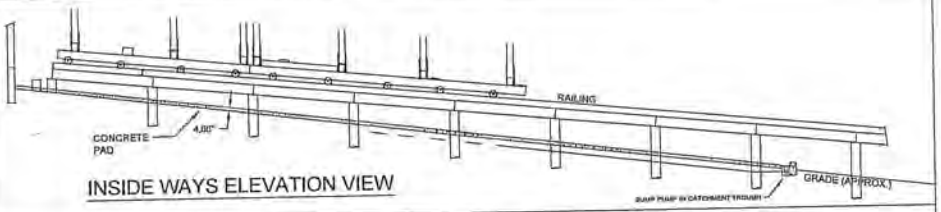
SHEET: EddonWays.DWG



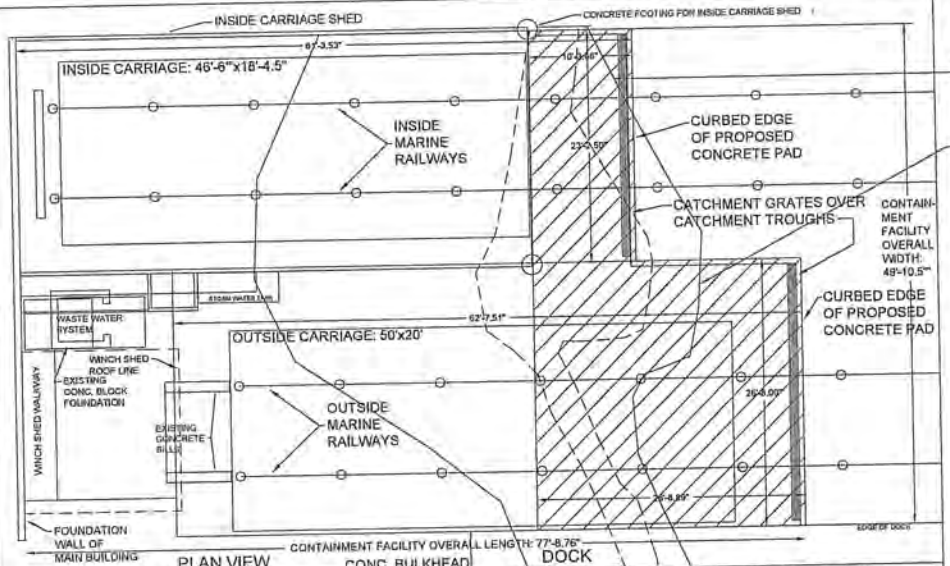
STORMWATER TREATMENT:
AQUIP 10 GPM TREATMENT TANK
DIM: 8'L X 3'W X 4.5'H
MIKE PETERS AT STORMWATERX 425-351-5468
EST. UNDELIVERED, UNINSTALLED PRICE: $20,000.00



WASTEWATER TREATMENT:
LANDA OIL WATER SEPARATOR MODEL CL-600D
600 GAL HOLDING CAP.
FLOW RATE: 1-30 GPM
DIM: 60"L X 83"W X 106"H, WEIGHT: 990 LBS.
JIM WHELAN AT AMB TOOLS & EQ 253-905-0612
EST. UNDELIVERED, PARTIALLY INSTALLED
PRICE: $22,150.00



INSIDE WAYS ELEVATION VIEW



PLAN VIEW

TOPO NOTES: +15.00 FT MLLW MHHWM (+11.89 FT MLLW) +10.00 FT MLLW MHWM (+10.01 FT MLLW)

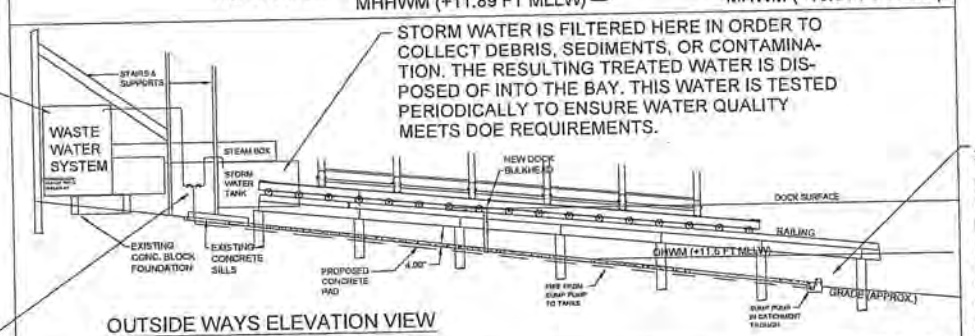
NOTES:

- AREA OF PROPOSED 'INSIDE' CONCRETE PAD FALLING BELOW THE MHHWM LINE IS 239 SQ FEET.
- AREA OF PROPOSED 'OUTSIDE' CONCRETE PAD FALLING BELOW THE MHHWM LINE IS 709 SQ FEET.
- AREA OF BOTH PROPOSED CONCRETE PADS FALLING BELOW THE MHHWM LINE IS 948 SQ FEET.

TOTAL CONCRETE PAD AREA: 3,091.07 SQ FT.
TOTAL CONCRETE PAD AREA AFFECTED BY STORMWATER: 1,909.48 SQ FT.

WASTE WATER IS FILTERED HERE AND MIXED WITH CLAY TO COLLECT DEBRIS, SEDIMENTS, OR CONTAMINATION WHICH IS DRIED AND DISPOSED OF SEPARATELY. THE RESULTING TREATED WATER IS DISPOSED OF INTO CITY SEWER SYSTEM IN ACCORDANCE WITH MUNICIPLE REQUIREMENTS. THIS WATER IS TESTED IN ORDER TO ENSURE WATER QUALITY MEETS DOE AND CITY REQUIREMENTS.

VALVES ARE USED TO DIRECT WASTE WATER TO WASTE WATER TANK AND STORM WATER TO STORM WATER TANK AS PUMPED FROM CATCHMENT SUMP.



OUTSIDE WAYS ELEVATION VIEW

STORM WATER IS FILTERED HERE IN ORDER TO COLLECT DEBRIS, SEDIMENTS, OR CONTAMINATION. THE RESULTING TREATED WATER IS DISPOSED OF INTO THE BAY. THIS WATER IS TESTED PERIODICALLY TO ENSURE WATER QUALITY MEETS DOE REQUIREMENTS.

AFTER THOROUGH CLEANING AND VACUUMING, ALL WORK SURFACES (CARRIAGE FLOORS AND CONCRETE PADS) WILL BE THOROUGHLY PRESSURE WASHED INTO CATCHMENT TROUGH PRIOR TO ACTIVELY PUMPING OR PASSIVELY DISCHARGING ANY STORM WATER INTO WATERS OF THE STATE, PRIOR TO THESE WORK AREAS BEING INUNDATED BY TIDAL WATERS, OR PRIOR TO CARRIAGE WORK SURFACES BEING LOWERED INTO WATERS OF THE STATE. SEDIMENTS CAUGHT IN CATCHMENT TROUGH THAT DON'T GET PUMPED INTO TREATMENT SYSTEMS WILL BE MANUALLY COLLECTED AND DISPOSED OF VIA UPLAND GARBAGE DISPOSAL. THE AREA SURROUNDING THE CATCHMENT GRATES AT THE LOWEST EDGE OF THE CONCRETE PAD WILL BE TESTED PERIODICALLY TO ENSURE WORK SURFACES ARE CLEANED OF CONTAMINATION.

PLAN B

0 2 4 6 8 10
SCALE IN FEET

PROPOSED CONTAINMENT SYSTEM PLAN AND ELEVATION

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
MLLW=0.0' - N.O.S.
S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

REFERENCE#: NWS-

SITE LOCATION ADDRESS:
3711 AND 3805 HARBORVIEW DRIVE
GIG HARBOR, WASHINGTON 98335

PREPARED BY:
McMillan DESIGN, INC
9816 Jacobsen Lane
Gig Harbor, WA 98332 USA
Tel(253) 858-1985
Fax(253) 858-1986
Email: john-mcmillan@earthlink.net

PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

DATE: AUGUST 2013

SHEET #6 of 16
CONTAINMENT SYSTEM:
PLAN AND ELEVATION

SHEET: EddonWays-ContSyst.DWG

ITEM LIST:

68 EACH - 10.75" OD GALV. STEEL PILING .375" THICK WALL

68 EACH - 18"X8"X1.2" STEEL CAP/INSERT PRE-ANGLED TO 5.837 DEGREES - PRE-DRILL AND WELD AS SHOWN THEN GALVANIZE.

34 EACH 12X12X20-FT BEAMS

32 EACH - 7"X3.5"STEEL RAILWAY RAILING
- 20-FT LENGTHS
- PRE-DRILL AS SHOWN FOR BOLTING PLATES.

2 EACH - 7"X3.5"STEEL RAILWAY RAILING
- 10-FT LENGTHS
- PRE-DRILL AS SHOWN FOR BOLTING PLATES.

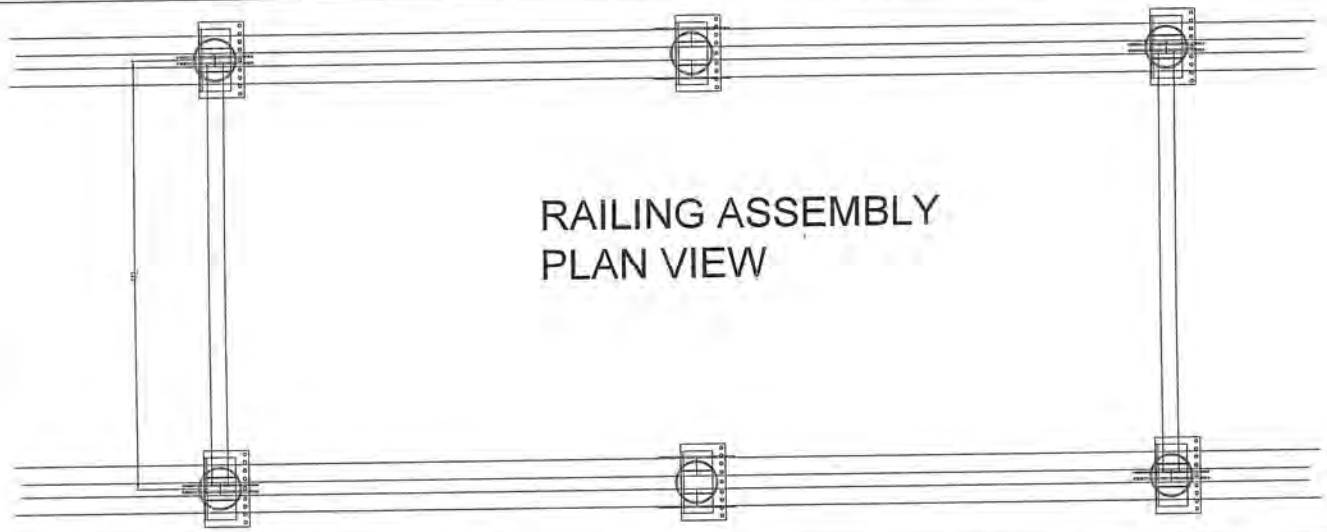
18 EACH - 4"X4"X¼" STEEL ANGLE CROSSMEMBERS
- CUT TO LENGTH - PRE-DRILL ⅜" PLATES AND WELD AS SHOWN AND THEN GALVANIZE.

144 EACH - STEEL CROSSMEMBER AND BEAM JOINT BOLTING PLATES
- PRE-DRILL AS SHOWN AND THEN GALVANIZE.

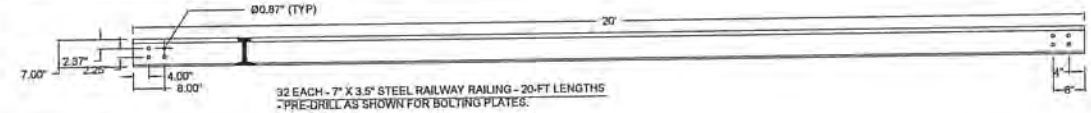
296 EACH - STEEL CLAMPS
- PRE-DRILL AND WELD AS SHOWN AND THEN GALVANIZE.

136 EACH - STEEL BEAM GUIDE ANGLES
- PRE-DRILL AND WELD AS SHOWN AND THEN GALVANIZE.

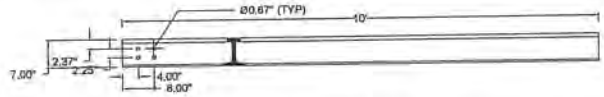
440 EACH - ¾"X 5" GALV. HEX LAG BOLTS.
435 EACH ¾"X 5" GALV HEX BOLTS.
435 EACH ¾" GALV HEX NUTS.
1,310 EACH - ¾" GALV. WASHERS.



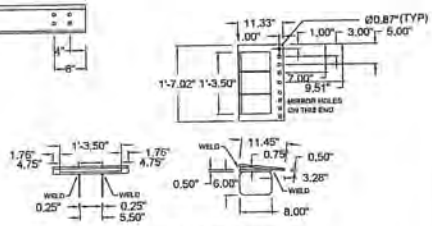
RAILING ASSEMBLY
PLAN VIEW



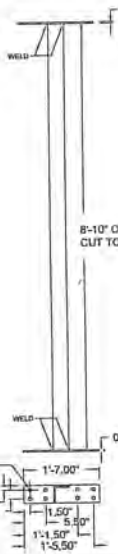
32 EACH - 7" X 3.5" STEEL RAILWAY RAILING - 20-FT LENGTHS
- PRE-DRILL AS SHOWN FOR BOLTING PLATES.



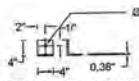
2 EACH - 7" X 3.5" STEEL RAILWAY RAILING - 10-FT LENGTHS
- PRE-DRILL AS SHOWN FOR BOLTING PLATES.



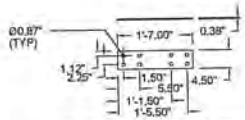
68 EACH - 18"X8"X1.2" STEEL CAP/INSERT PRE-ANGLED TO 5.837 DEGREES - PRE-DRILL AND WELD AS SHOWN THEN GALVANIZE.



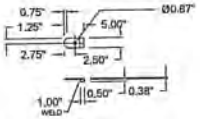
18 EACH - 4"X4"X¼" STEEL ANGLE CROSSMEMBERS
- CUT TO LENGTH - PRE-DRILL ⅜" PLATES AND WELD AS SHOWN AND THEN GALVANIZE.



136 EACH - STEEL BEAM GUIDE ANGLES
- PRE-DRILL AS SHOWN AND THEN GALVANIZE.



144 EACH - STEEL CROSSMEMBER AND BEAM JOINT BOLTING PLATES
- PRE-DRILL AS SHOWN AND THEN GALVANIZE.



296 EACH - STEEL CLAMPS
- PRE-DRILL AND WELD AS SHOWN AND THEN GALVANIZE.

RAILING DETAIL ON PILINGS SET AT 6" OFF CENTER
PLAN VIEW

RAILING DETAIL
EL. VIEW

68 EACH - 10.75" OD GALV. STEEL PILING .375" THICK WALL

GALVANIZED PARTS

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
MLLW=0.0' - N.O.S.
S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

REFERENCE#: NWS-

SITE LOCATION ADDRESS:
3711 AND 3805 HARBORVIEW DRIVE
GIG HARBOR, WASHINGTON 98335

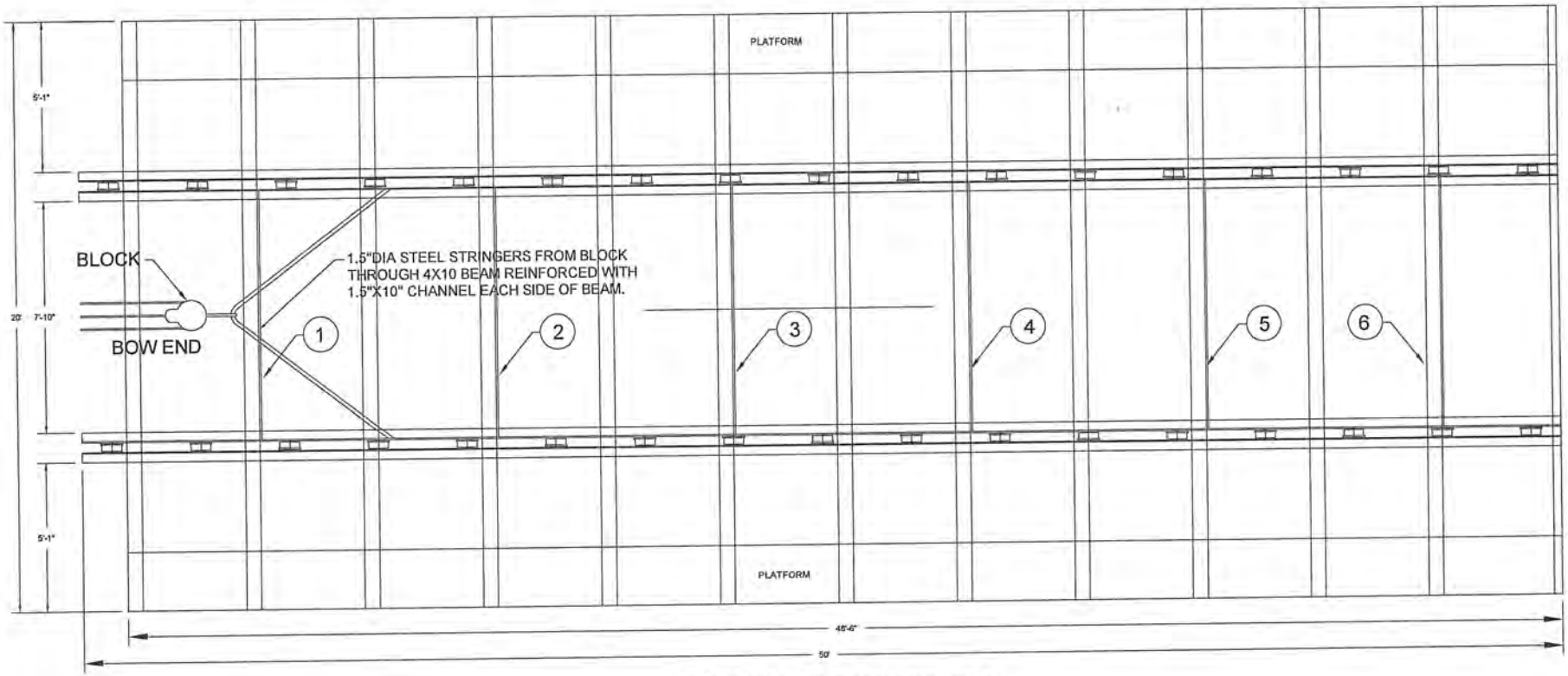
PREPARED BY:
McMillan DESIGN, INC.
9816 Jacobsen Lane
Gig Harbor, WA 98332 USA
Tel(253) 858-1985
Fax(253) 858-1986
Email: john-mcmillan@earthlink.net

PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

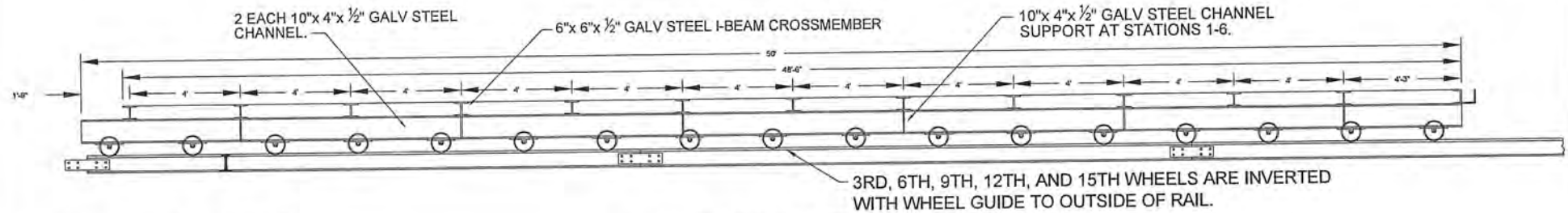
DATE: AUGUST 2013

SHEET #7 OF 16
GALVANIZED PARTS

SHEET: EddonWays-Parts.DWG



TOP VIEW - CARRIAGE ASSEMBLY



SIDE VIEW - RAIL WHEEL ARRAY

0 2 4 6 8 10

SCALE IN FEET

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
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S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

REFERENCE#: NWS-

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GIG HARBOR, WASHINGTON 98335

PREPARED BY:
McMillan DESIGN, INC
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Gig Harbor, WA 98332 USA
Tel(253) 858-1985
Fax(253) 858-1986

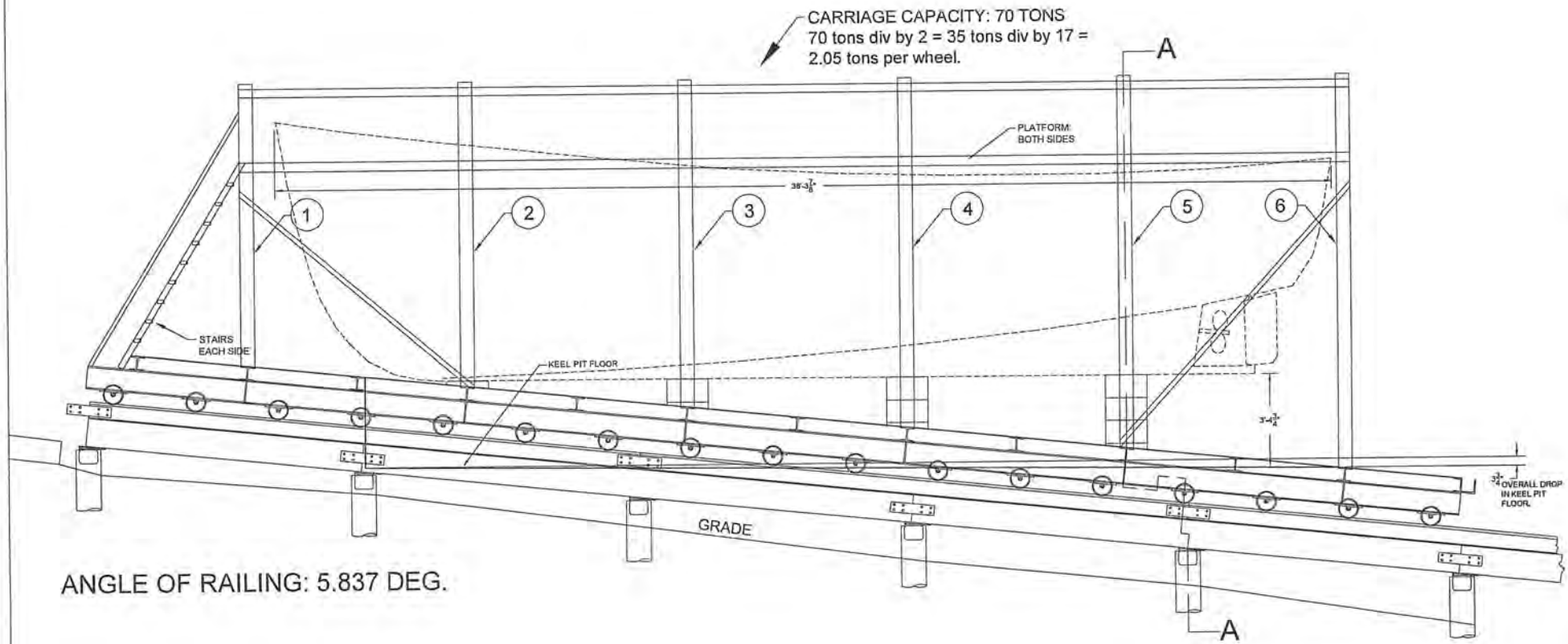
PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

DATE: AUGUST 2013

SHEET #8 OF 16

OUTSIDE CARRIAGE:
PLAN & ELEVATION VIEWS

SHEET: EddonCarriagesSteel.DWG



ANGLE OF RAILING: 5.837 DEG.

0 2 4 6 8 10

SCALE IN FEET

OUTSIDE CARRIAGE

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
MLLW=0.0' - N.O.S.
S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

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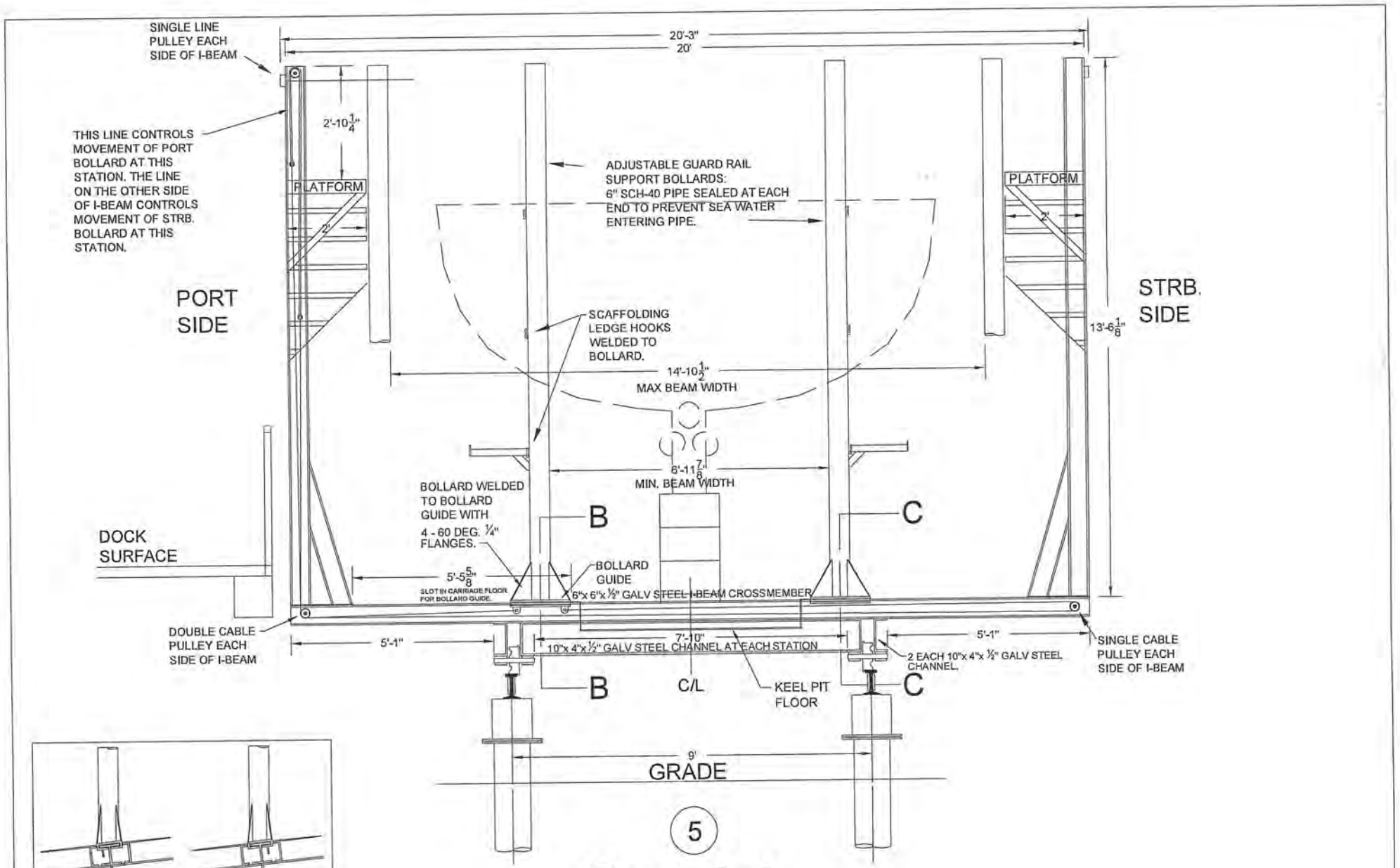
PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

DATE: AUGUST 2013

SHEET #9 OF 16
OUTSIDE CARRIAGE:
ELEVATION DETAIL

SHEET: EddonCarriageSteel.DWG



Sect. A-A

TYPICALLY AT STATIONS 2, 3, 4, AND 5.

OUTSIDE CARRIAGE

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
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S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

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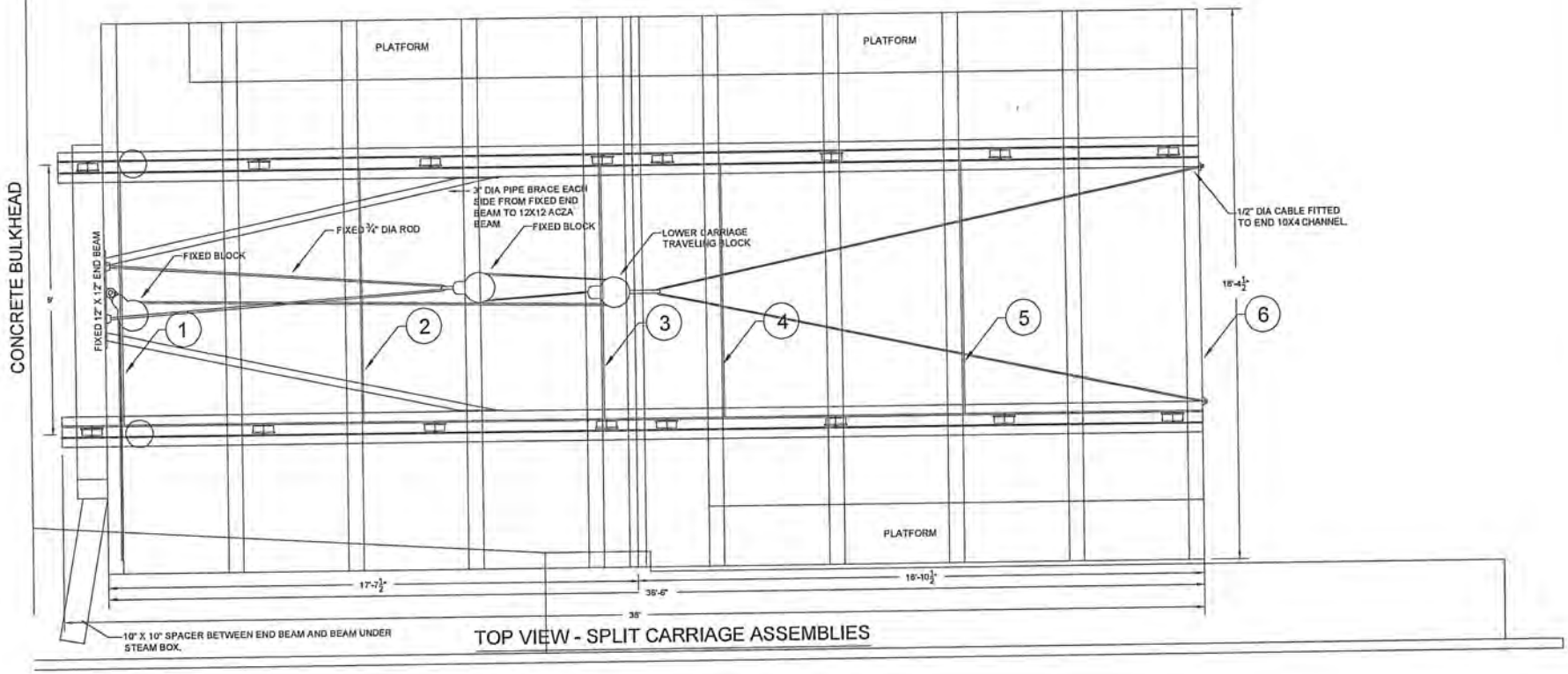
PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

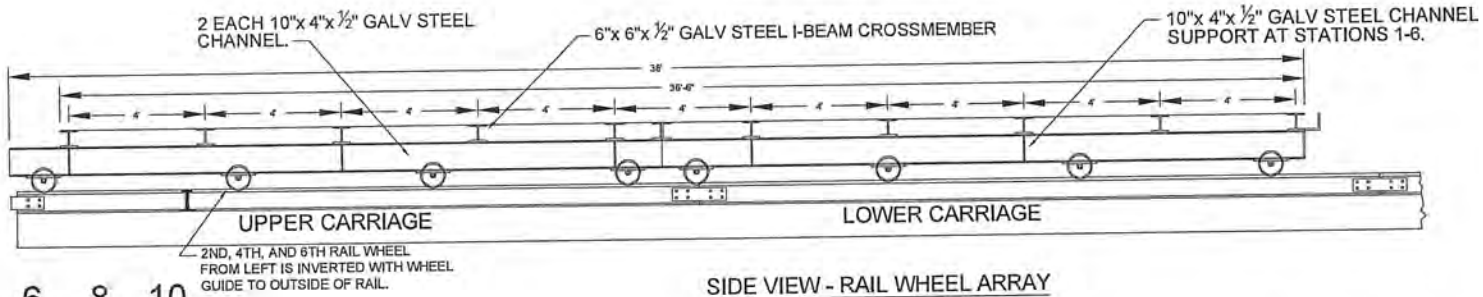
DATE: AUGUST 2013

SHEET #10 OF 16
OUTSIDE CARRIAGE:
SECTION A-A

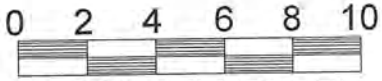
SHEET: EddonCarriagesSteel.DWG



TOP VIEW - SPLIT CARRIAGE ASSEMBLIES



SIDE VIEW - RAIL WHEEL ARRAY



SCALE IN FEET

INSIDE CARRIAGE

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
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FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

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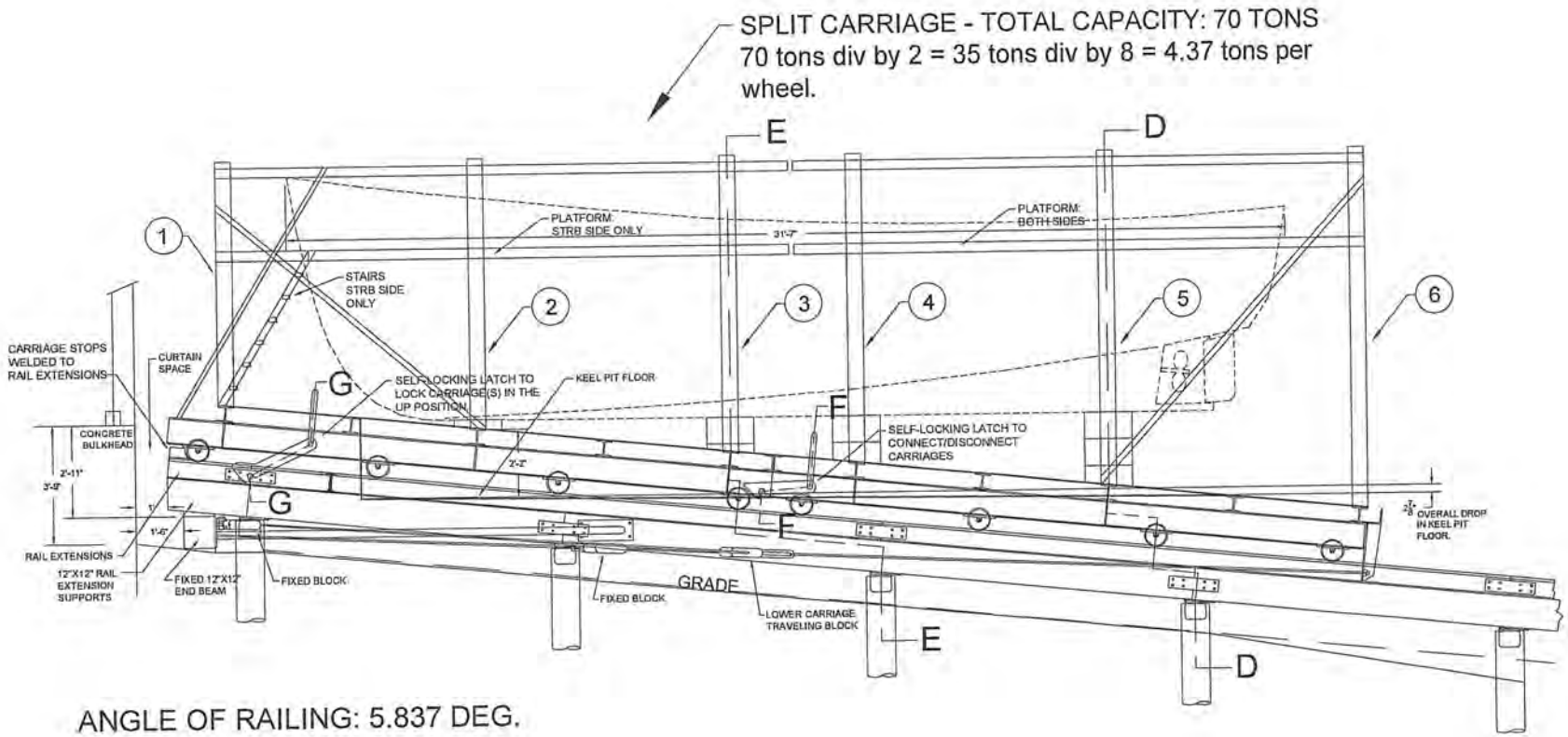
PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

DATE: AUGUST 2013

SHEET #11 OF 16
INSIDE CARRIAGE:
PLAN & ELEVATION VIEWS

SHEET: EddonCarriageSteel.DWG



ANGLE OF RAILING: 5.837 DEG.

0 2 4 6 8 10

SCALE IN FEET

INSIDE CARRIAGE

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
MLLW=0.0' - N.O.S.
S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

REFERENCE#: NWS-

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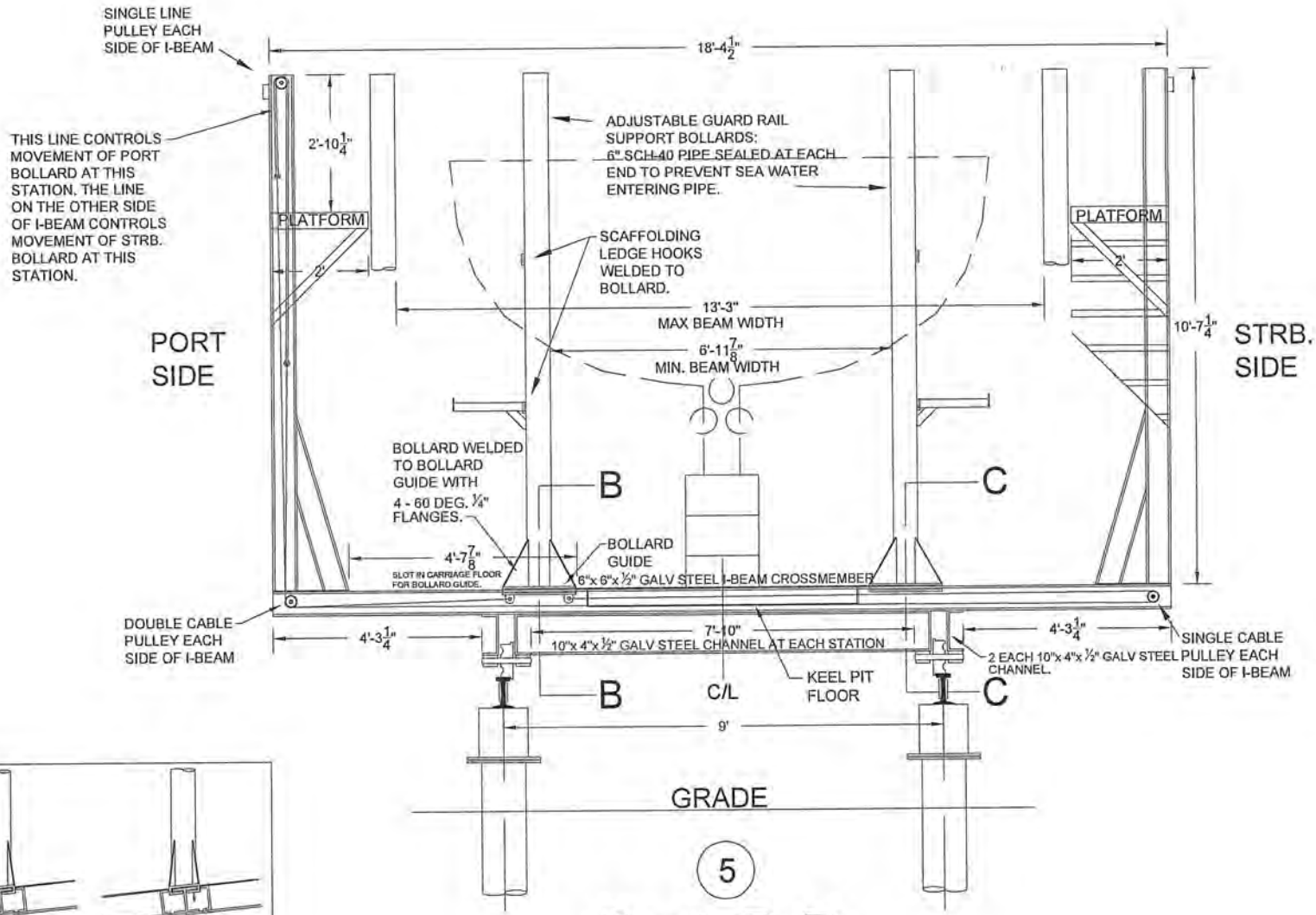
PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

DATE: AUGUST 2013

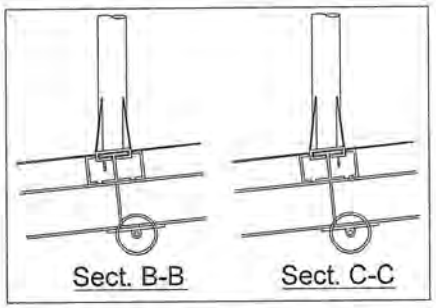
SHEET #12 OF 16

INSIDE CARRIAGE:
ELEVATION DETAIL

SHEET: EddonCarriagesSteel.DWG



Sect. D-D



TYPICALLY AT STATIONS 4, 5 AND 6.

INSIDE CARRIAGE

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
MLLW=0.0' - N.O.S.
S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

REFERENCE#: NWS-

SITE LOCATION ADDRESS:
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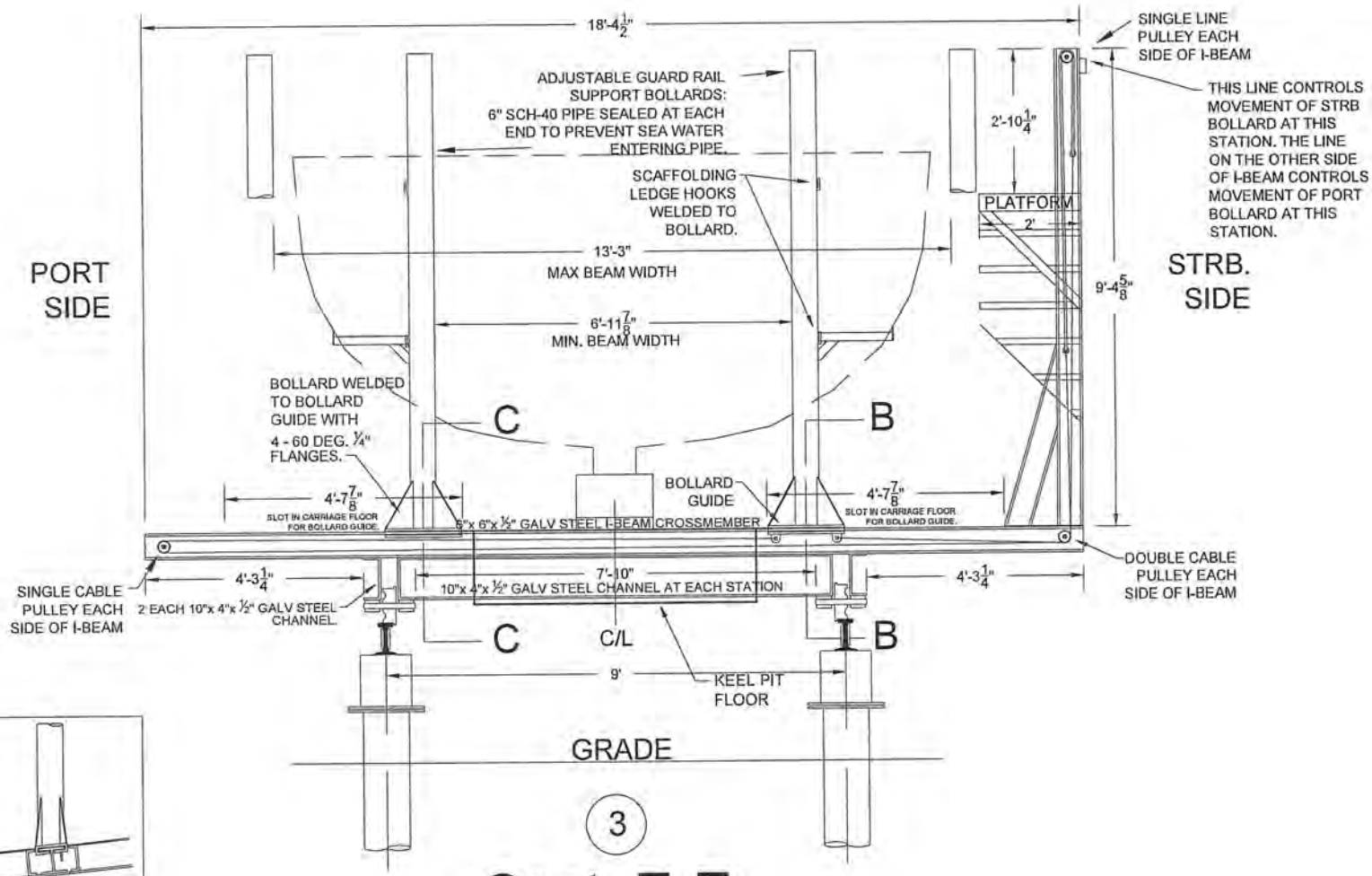
PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

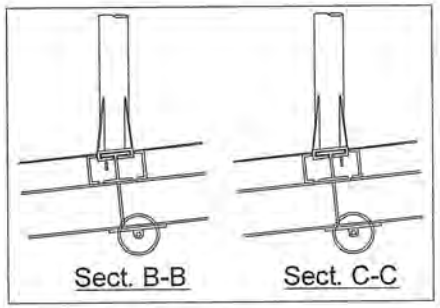
DATE: AUGUST 2013

SHEET #13 OF 16

INSIDE CARRIAGE:
SECTION D-D

SHEET: EddonCarriagesSteel.DWG





Sect. E-E

*STATION 1 DOES NOT HAVE A PLATFORM DUE TO STAIRS.

TYPICALLY AT STATIONS 1*, 2 AND 3.

INSIDE CARRIAGE

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
MLLW=0.0' - N.O.S.
S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

REFERENCE#: NWS-

SITE LOCATION ADDRESS:
3711 AND 3805 HARBORVIEW DRIVE
GIG HARBOR, WASHINGTON 98335

PREPARED BY:
McMillan DESIGN, INC
9816 Jacobsen Lane
Gig Harbor, WA 98332 USA
Tel(253) 858-1985
Fax(253) 858-1986

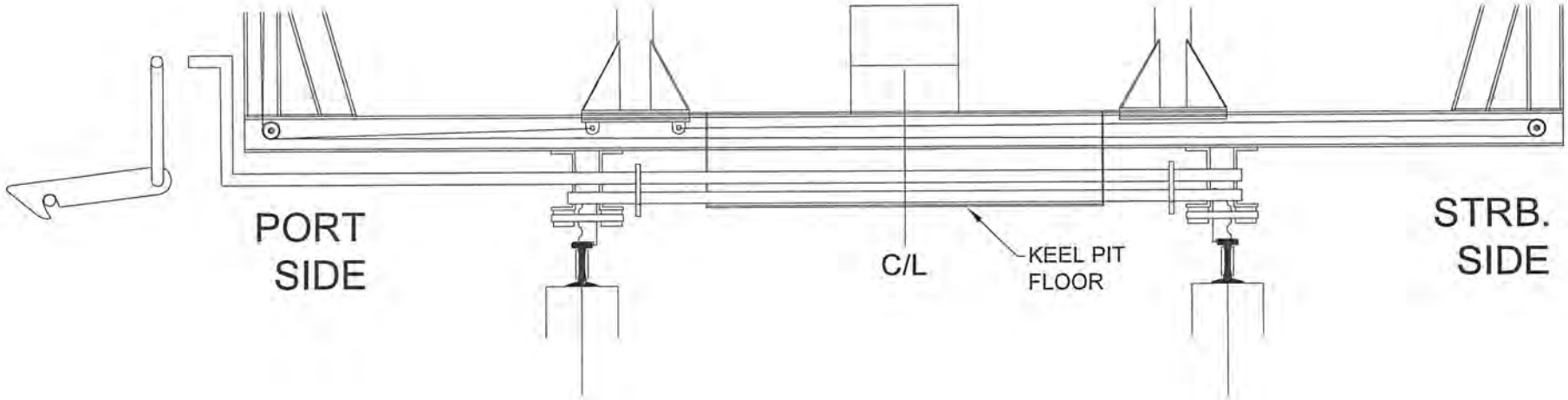
PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

DATE: AUGUST 2013

SHEET #14 OF 16

INSIDE CARRIAGE:
SECTION E-E

SHEET: EddonCarriagesSteel.DWG



SELF-LOCKING LATCH TO
CONNECT/DISCONNECT
CARRIAGES

Sect. F-F

INSIDE CARRIAGE

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
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S5T21N R2E
ADJACENT PROPERTY OWNERS:
FAIRWAY HOLDINGS LLC AND STEVE NIKOLICH

NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

REFERENCE#: NWS-

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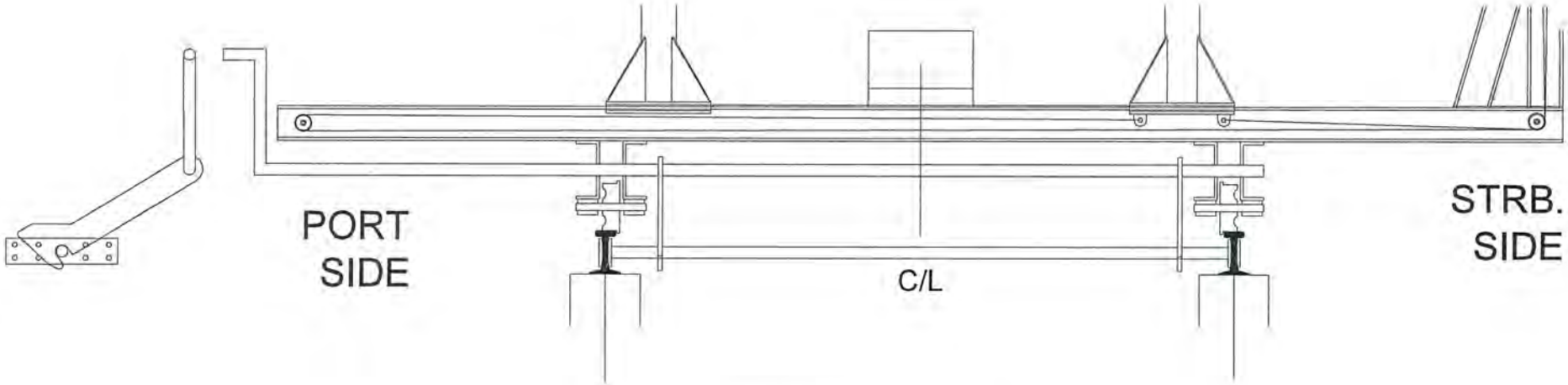
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

DATE: AUGUST 2013

SHEET #15 OF 16

INSIDE CARRIAGE:
SECTION F-F

SHEET: EddonCarriagesSteel.DWG



SELF-LOCKING LATCH TO
LOCK CARRIAGE(S) IN THE
UP POSITION.

Sect. G-G

INSIDE CARRIAGE

PURPOSE: SUPPORT FUTURE EDDON BOATYARD FACILITES DEVELOPMENT AND PUBLIC USE THROUGH INSTALLATION OF MARINE RAILS AND CONTAMINATION CONTAINMENT SYSTEM.
DATUM: LAT 47°20'03.79" LONG 122°35'17.43"
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ADJACENT PROPERTY OWNERS:
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NAME: EDDON BOATYARD MARINE RAILS AND CONTAINMENT PROJECT.

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PROPOSED: DRIVE PILING AND INSTALL MARINE RAILS AND CONTAINMENT SYSTEM.
IN: PUGET SOUND
NEAR: GIG HARBOR
COUNTY OF: PIERCE
STATE: WASHINGTON

DATE: AUGUST 2013

SHEET #16 OF 16

INSIDE CARRIAGE:
SECTION G-G

SHEET: EddonCarriagesSteel.DWG