PROJECT MANAGER

JON ADKINS
EXELTECH
8729 COMMERCE PLACE DRIVE NE, SUITE A
LACEY, WA 98516

OWNER'S REPRESENTATIVE

EMILY ROTH
PORTLAND PARKS & RECREATION
6437 SE DIVISION ST.
PORTLAND, OREGON 97206
503-823-9225
503-823-2246 FAX

SITE MAP

NTS

ABBREVIATIONS

AGG.	AGGREGATE
APPROV.	APPROVED
APPROX.	APPROXIMATE
BR.	BASE OF RAMP
CL	CENTER LINE
CIP	CAST-IN-PLACE
CONC.	CONCRETE
DLW	DESIGN LOW WATER
DIA.	DIAMETER
EA	EACH
DR.	EXISTING
FG	FINISHED GRADE
FS	FINISHED SURFACE
GR	GRADE
IE	INVERT ELEVATION
HP	HIGH POINT
LOC.	LOCATION
LP	LOW POINT
MAX.	MAXIMUM
MIN.	MINIMUM
NIC	NOT IN CONTRACT
OC	ON CENTER
OLW	ORDINARY LOW WATER
OHW	ORDINARY HIGH WATER
PERF.	PERFORATED
PP&R	PORTLAND PARKS & RECREATION
R	RADIUS
SPEC.	SPECIFICATION BOOK
TR	TOP OF RAMP
TYP.	TYPICAL

GENERAL NOTES

1. DO NOT OBTAIN DIMENSIONS BY SCALING DRAWINGS. USE WRITTEN DIMENTSIONS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
2. ADVISE THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS OR DISCREPANCIES FIVE (5) WORKING DAYS PRIOR TO STARTING WORK.
3. STAGING AREAS ARE TO BE WITHIN THE DESIGNATED CONSTRUCTION LIMITS. IF THE CONTRACTOR REQUIRES ADDITIONAL AREA, HE SHALL SUBMIT A WRITTEN REQUEST TO THE OWNERS'S REPRESENTATIVE.
4. VERIFY ALL SITE CONDITIONS BY SITE VISIT PRIOR TO BID OPENING.
5. VERIFY LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. FOR LOCATIONS CONTACT PORTLAND PARKS & RECREATION, (503) 823-1607 AND THE UTILITIES NOTIFICATION CENTER (503) 246-6699 NOT LESS THAN 48 HOURS PRIOR TO BEGINNING WORK.
6. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, THE CITY OF PORTLAND 2007 STANDARD SPECIFICATIONS, THE 2010 OREGON STRUCTURAL SPECIALTY CODE, THE 2005 PORTLAND FIRE CODE, THE 2011 OREGON ELECTRICAL SPECIALTY CODE, AND THE 2011 OREGON PLUMBING SPECIALTY CODE.
7. CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF FEDERAL, STATE AND CITY PERMITS.
8. PROTECT ALL EXISTING IMPROVEMENTS TO REMAIN. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL DAMAGED EXISTING IMPROVEMENTS TO THE SATISFACTION OF THE CITY.

DRAWING INDEX

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PORTLAND PARKS & RECREATION
Healthy Parks, Healthy Portland

CITY OF PORTLAND, OREGON 1851

exeltech

Portland Parks and Recreation
DAN SALTZMAN, Commissioner - ZARI SANTNER, Director

WILLAMETTE PARK BOAT RAMP REPAIR
COVER SHEET

Portland, Oregon
PROJECT MANAGER: JON ADKINS
DATE: 12-19-2013 SCALE: AS SHOWN DRAWN BY: JWB SECTION:

REVISIONS

DATE	DESCRIPTION	BY

N

SHEET 1 OF 9

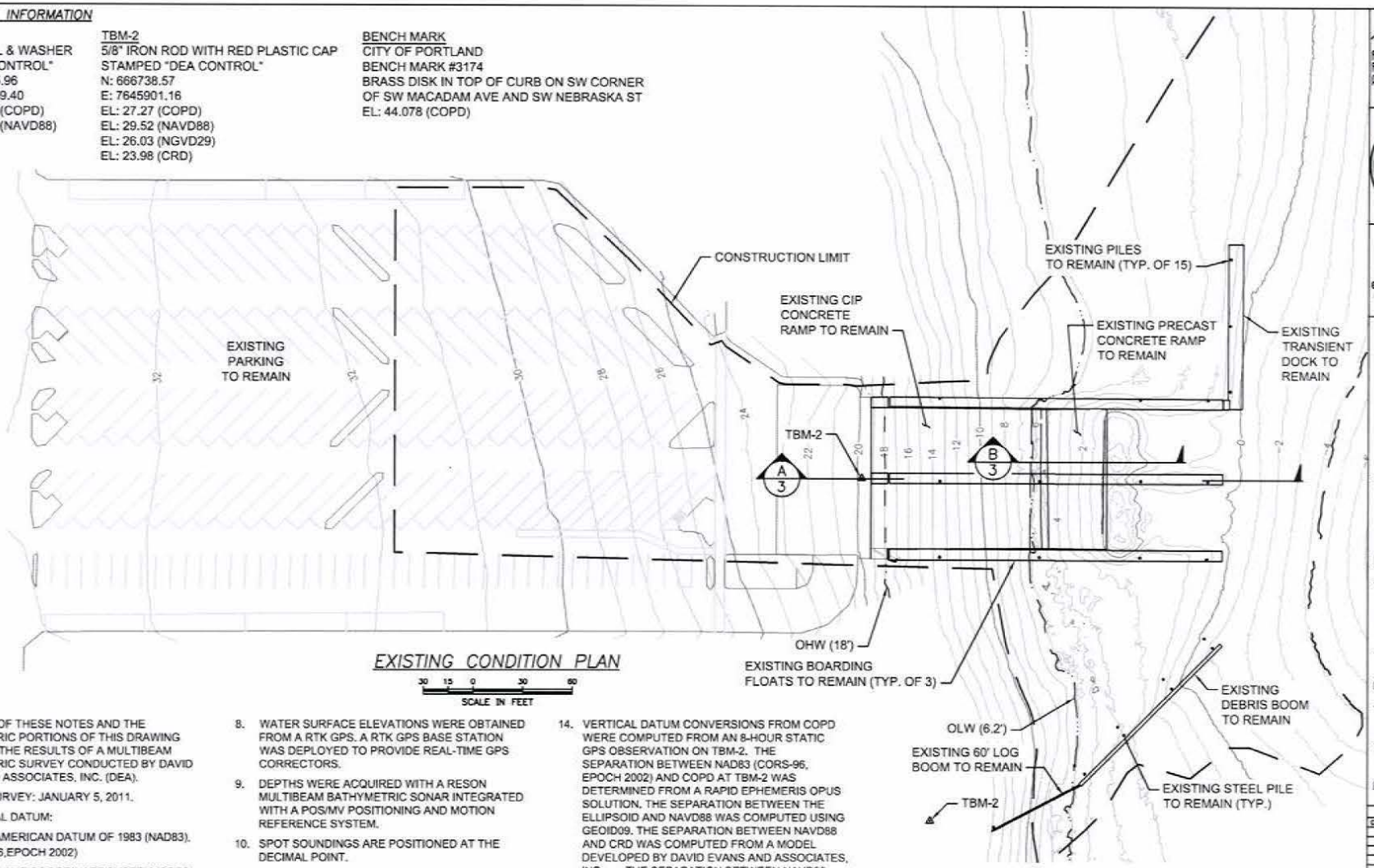
P:\2013\323 - Willamette Park Launch Ramp Dredging Permit Support\CAD\Updated Willamette Sheets.dwg, 12-19-13, 2:00pm, jbrown

SURVEY INFORMATION

TBM-1
MAG NAIL & WASHER
"OSMB CONTROL"
N: 666945.96
E: 7645859.40
EL: 20.04 (COPD)
EL: 22.29 (NAVD88)

TBM-2
5/8" IRON ROD WITH RED PLASTIC CAP
STAMPED "DEA CONTROL"
N: 666738.57
E: 7645901.16
EL: 27.27 (COPD)
EL: 29.52 (NAVD88)
EL: 26.03 (NGVD29)
EL: 23.98 (CRD)

BENCH MARK
CITY OF PORTLAND
BENCH MARK #3174
BRASS DISK IN TOP OF CURB ON SW CORNER
OF SW MACADAM AVE AND SW NEBRASKA ST
EL: 44.078 (COPD)



EXISTING CONDITION PLAN

30 15 0 30 60
SCALE IN FEET

NOTES:

1. PORTIONS OF THESE NOTES AND THE BATHYMETRIC PORTIONS OF THIS DRAWING PRESENTS THE RESULTS OF A MULTIBEAM BATHYMETRIC SURVEY CONDUCTED BY DAVID EVANS AND ASSOCIATES, INC. (DEA).
2. DATE OF SURVEY: JANUARY 5, 2011.
3. HORIZONTAL DATUM:
   NORTH AMERICAN DATUM OF 1983 (NAD83). (CORS-96,EPOCH 2002)
   STATE PLANE COORDINATE SYSTEM (SPCS), OREGON NORTH ZONE.
4. VERTICAL DATUM: CITY OF PORTLAND (COPD)
5. UNITS: INTERNATIONAL FEET.
6. CONTOUR INTERVAL: 1.0 FEET.
7. HORIZONTAL POSITIONS WERE ACQUIRED WITH A POS/MV COMBINED INERTIAL AND REAL-TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK GPS).
8. WATER SURFACE ELEVATIONS WERE OBTAINED FROM A RTK GPS. A RTK GPS BASE STATION WAS DEPLOYED TO PROVIDE REAL-TIME GPS CORRECTORS.
9. DEPTHS WERE ACQUIRED WITH A RESON MULTIBEAM BATHYMETRIC SONAR INTEGRATED WITH A POS/MV POSITIONING AND MOTION REFERENCE SYSTEM.
10. SPOT SOUNDINGS ARE POSITIONED AT THE DECIMAL POINT.
11. PLANIMETRIC LINEWORK AND AERIAL ARE PROVIDED FOR REFERENCE ONLY.
12. HORIZONTAL CONTROL AT TBM-1 AND TBM-2 WAS ESTABLISHED USING THE OREGON REAL-TIME GPS NETWORK (ORGN).
13. VERTICAL CONTROL AT TBM-1 AND TBM-2 WAS ESTABLISHED USING DIFFERENTIAL LEVELS BASED ON THE CITY OF PORTLAND BENCHMARK #3174.
14. VERTICAL DATUM CONVERSIONS FROM COPD WERE COMPUTED FROM AN 8-HOUR STATIC GPS OBSERVATION ON TBM-2. THE SEPARATION BETWEEN NAD83 (CORS-96, EPOCH 2002) AND COPD AT TBM-2 WAS DETERMINED FROM A RAPID EPHEMERIS OPUS SOLUTION. THE SEPARATION BETWEEN THE ELLIPSOID AND NAVD88 WAS COMPUTED USING GEOID09. THE SEPARATION BETWEEN NAVD88 AND CRD WAS COMPUTED FROM A MODEL DEVELOPED BY DAVID EVANS AND ASSOCIATES, INC. THE SEPARATION BETWEEN NAVD88 AND NGVD29/47 WAS COMPUTED USING VERTCON94. THE RESULTS ARE DISPLAYED IN THE VERTICAL DATUM CONVERSION TABLE AND SHOULD ONLY BE USED FOR THIS SITE. THE SEPARATION VALUES VARY SPATIALLY.
15. TOPOGRAPHIC SURVEY DATA ABOVE FIVE FEET IS FROM OSMB SURVEY DATED 11/03/2009.

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WILLAMETTE PARK BOAT RAMP REPAIR
EXISTING CONDITIONS

Portland, Oregon
PROJECT MANAGER: JON ADKINS
DATE: 12-19-2013 SCALE: AS SHOWN DRAWN BY: JWB SECTION:

REVISIONS		
DATE	DESCRIPTION	BY

SHEET 2 OF 9

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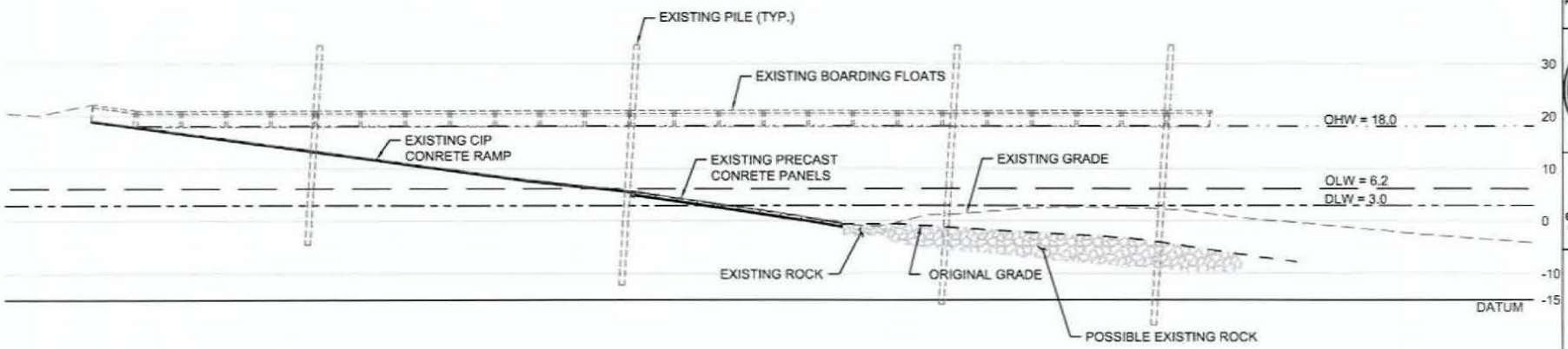
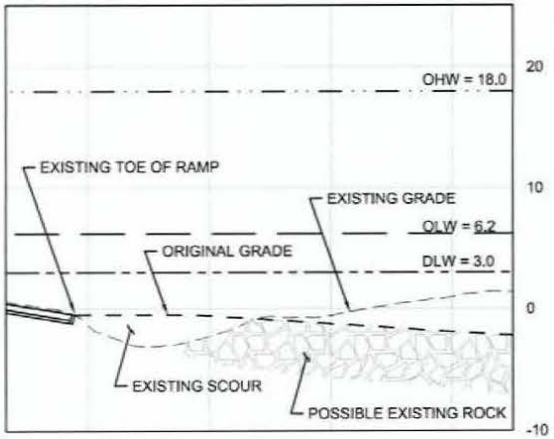


EXISTING RAMP PROFILE A

10 5 0 10 20
SCALE IN FEET



EXISTING TOE OF RAMP PROFILE B

5 2.5 0 5 10
SCALE IN FEET

LEGEND

- EXISTING ROCK
- EXISTING GRADE
- ORIGINAL GRADE
- OHW (18.0')
- OLW (6.2')
- DLW (3.0')

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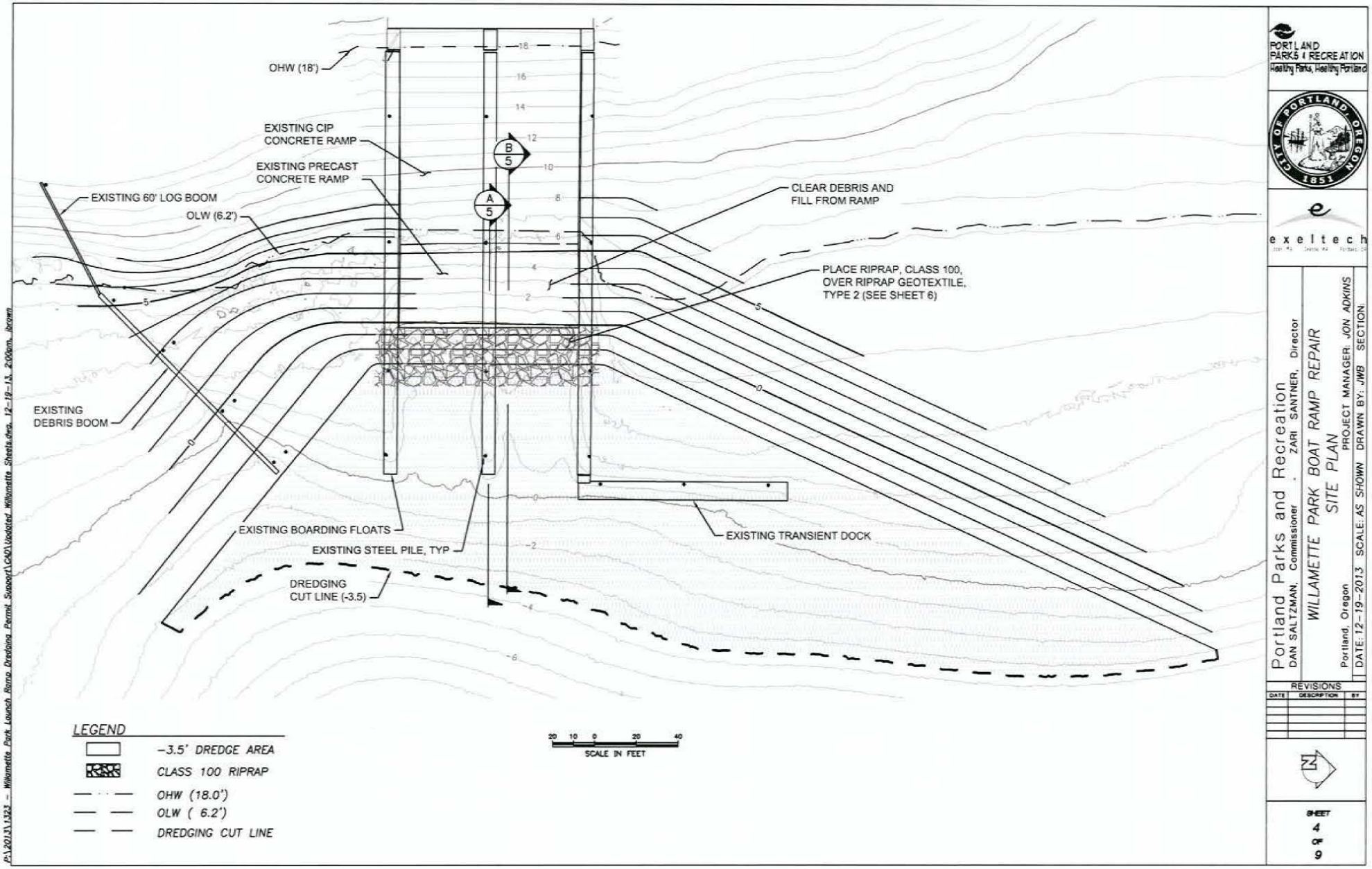
WILLAMETTE PARK BOAT RAMP REPAIR
EXISTING RAMP PROFILE

Portland, Oregon
PROJECT MANAGER: JON ADKINS

DATE: 12-19-2013 SCALE: AS SHOWN DRAWN BY: JWB SECTION:

REVISIONS		
DATE	DESCRIPTION	BY

SHEET 3 OF 9


OHW (18')
EXISTING CIP CONCRETE RAMP
EXISTING PRECAST CONCRETE RAMP
EXISTING 60' LOG BOOM
OLW (6.2')
EXISTING DEBRIS BOOM
CLEAR DEBRIS AND FILL FROM RAMP
PLACE RIPRAP, CLASS 100, OVER RIPRAP GEOTEXTILE, TYPE 2 (SEE SHEET 6)
EXISTING BOARDING FLOATS
EXISTING STEEL PILE, TYP
DREDGING CUT LINE (-3.5)
EXISTING TRANSIENT DOCK
B 5
A 5
LEGEND
-3.5' DREDGE AREA
CLASS 100 RIPRAP
OHW (18.0')
OLW (6.2')
DREDGING CUT LINE
SCALE IN FEET
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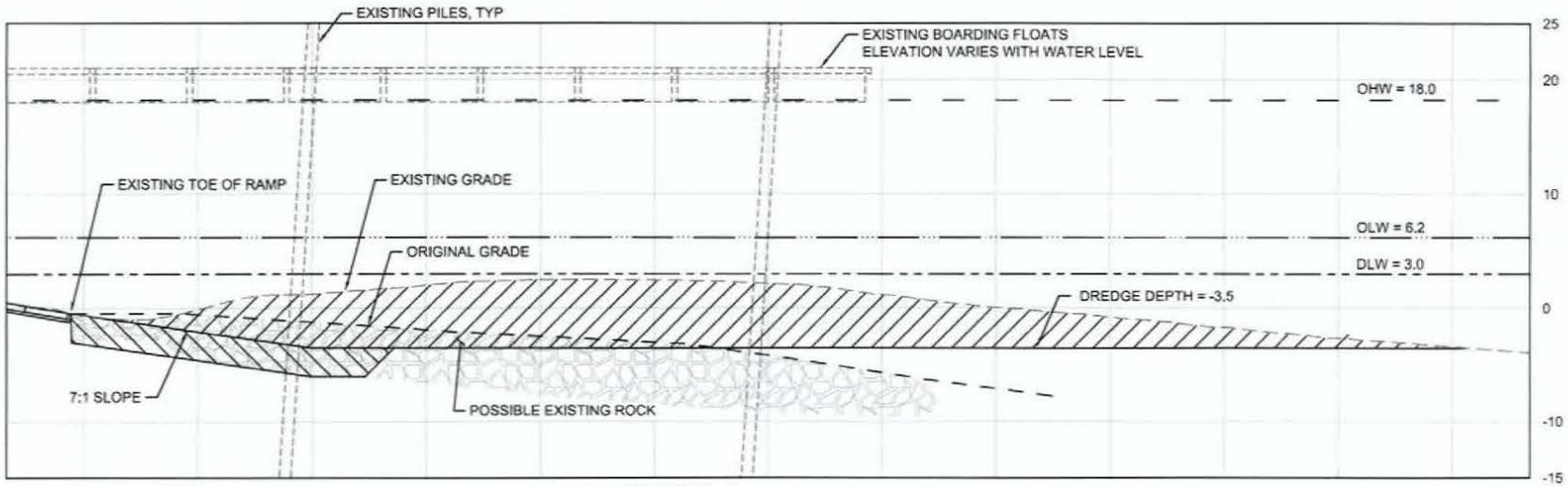
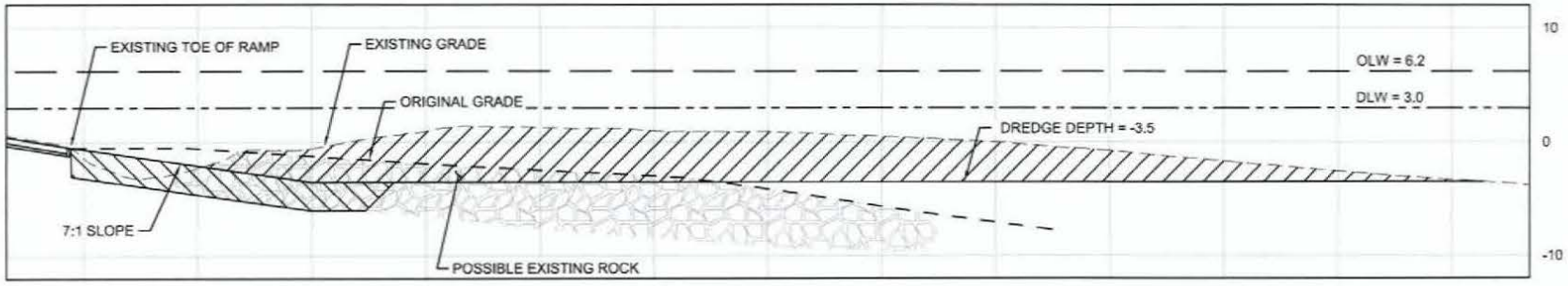
DAN SALTZMAN, Commissioner - ZARI SANTNER, Director
WILLAMETTE PARK BOAT RAMP REPAIR
SITE PLAN
Portland, Oregon
PROJECT MANAGER: JON ADKINS
DATE: 12-19-2013 SCALE: AS SHOWN DRAWN BY: JWB SECTION
REVISIONS
DATE DESCRIPTION BY
SHEET 4 OF 9
P:\2013\1323 - Willamette Park Launch Ramp Dredging Permit Support\CAD\Updated Willamette Sheets.dwg, 12-19-13, 2:00pm, jbrown



SECTION A

5 2.5 0 5 10
SCALE IN FEET



SECTION B

5 2.5 0 5 10
SCALE IN FEET

LEGEND

- DREDGE AREA (SEE NOTE 1.)
- EXCAVATION AREA (SEE NOTE 2.)
- EXISTING ROCK
- OHW (18.0')
- OLW (6.2')
- DLW (3.0')
- EXISTING GRADE
- ORIGINAL GRADE

NOTES

1. DREDGE AREA MAY CONTAIN EXISTING ROCK THAT MAY REQUIRE EXCAVATION DEPENDING ON DREDGE EQUIPMENT USED.
2. INVESTIGATE EXISTING MATERIALS WITHIN EXCAVATION AREA, NOTIFY CITY OF FINDINGS AND OBTAIN APPROVAL BEFORE PROCEEDING WITH EXCAVATION OF EXISTING ROCK BELOW DREDGE DEPTH.

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WILLAMETTE PARK BOAT RAMP REPAIR
DREDGING & EXCAVATION SECTIONS
Portland, Oregon
PROJECT MANAGER: JON ADKINS

DATE: 12-19-2013 SCALE: AS SHOWN DRAWN BY: JWB SECTION

REVISIONS		
DATE	DESCRIPTION	BY

SHEET 5 OF 9

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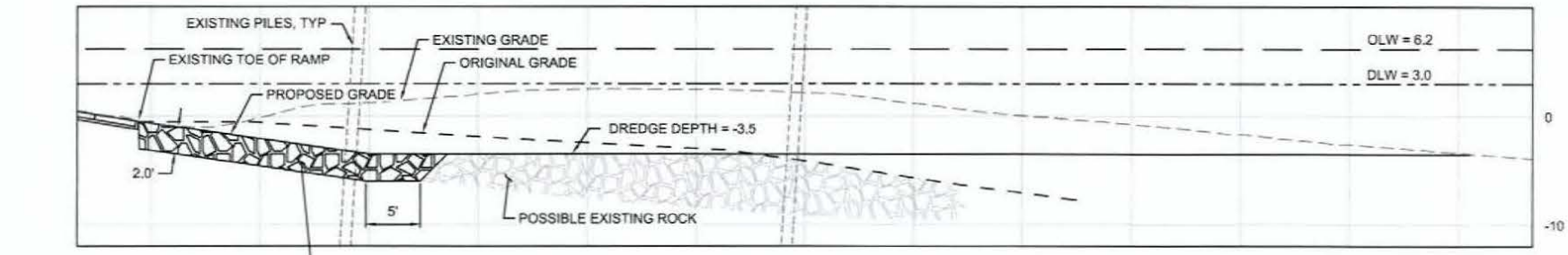
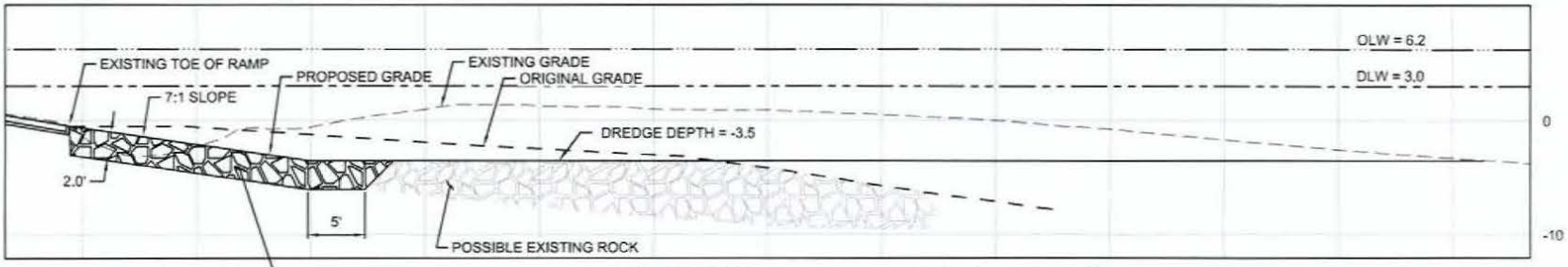


CLASS 100 KEYED RIPRAP OVER
RIPRAP GEOTEXTILE, TYPE 2
KEY GEOTEXTILE INTO ROCK ON ALL SIDES

SECTION A

5 2.5 0 5 10
SCALE IN FEET



CLASS 100 KEYED RIPRAP OVER
RIPRAP GEOTEXTILE, TYPE 2
KEY GEOTEXTILE INTO ROCK ON ALL SIDES

SECTION B

5 2.5 0 5 10
SCALE IN FEET

LEGEND

- EXISTING ROCK
- RIPRAP, CLASS 100
- OHW (18.0')
- OLW (6.2')
- DLW (3.0')
- EXISTING GRADE
- ORIGINAL GRADE

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WILLAMETTE PARK BOAT RAMP REPAIR
PROPOSED SECTIONS

Portland, Oregon
PROJECT MANAGER: JON ADKINS
DATE: 12-19-2013 SCALE: AS SHOWN DRAWN BY: JWB SECTION:

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SHEET 6 OF 9

P:\2013\1323 - Willamette Park Launch Ramp Dredging Permit Support\CAD\Updated Willamette Sheets.dwg, 12-19-13, 2:00pm, jbrown

1. MAINTAIN AND PROTECT STORAGE AREA AS NEEDED. CONTRACTOR TO DETERMINE AREA NEEDED. LOCATE A MINIMUM OF 300' FROM OHW.

2. INSTALL AND MAINTAIN BIOFILTER ALONG DOWN SLOPE SIDES OF STORAGE AREA. SEE RD 1030.

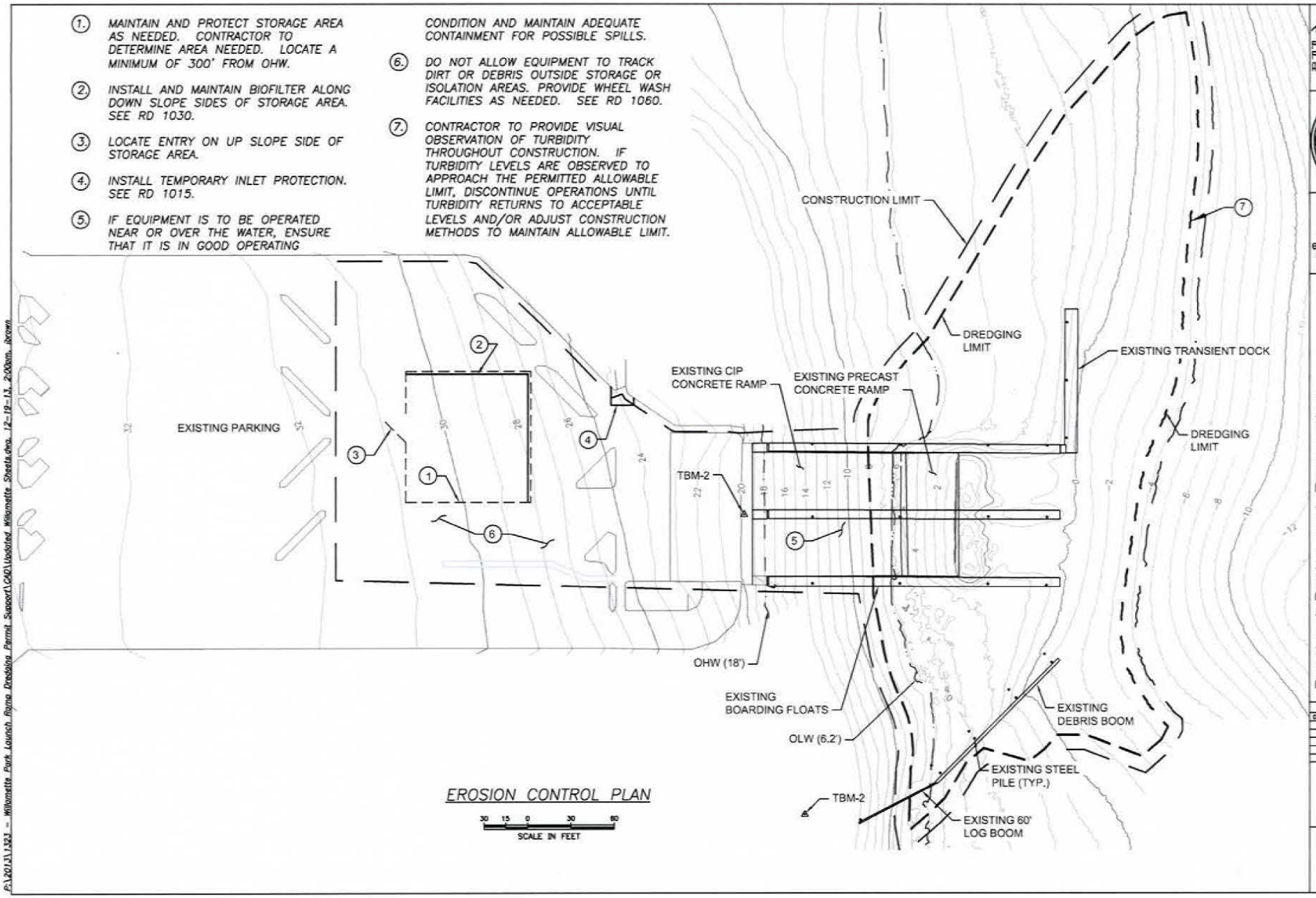
3. LOCATE ENTRY ON UP SLOPE SIDE OF STORAGE AREA.

4. INSTALL TEMPORARY INLET PROTECTION. SEE RD 1015.

5. IF EQUIPMENT IS TO BE OPERATED NEAR OR OVER THE WATER, ENSURE THAT IT IS IN GOOD OPERATING CONDITION AND MAINTAIN ADEQUATE CONTAINMENT FOR POSSIBLE SPILLS.

6. DO NOT ALLOW EQUIPMENT TO TRACK DIRT OR DEBRIS OUTSIDE STORAGE OR ISOLATION AREAS. PROVIDE WHEEL WASH FACILITIES AS NEEDED. SEE RD 1060.

7. CONTRACTOR TO PROVIDE VISUAL OBSERVATION OF TURBIDITY THROUGHOUT CONSTRUCTION. IF TURBIDITY LEVELS ARE OBSERVED TO APPROACH THE PERMITTED ALLOWABLE LIMIT, DISCONTINUE OPERATIONS UNTIL TURBIDITY RETURNS TO ACCEPTABLE LEVELS AND/OR ADJUST CONSTRUCTION METHODS TO MAINTAIN ALLOWABLE LIMIT.



EROSION CONTROL PLAN

PORTLAND PARKS & RECREATION
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DAN SALTZMAN, Commissioner · ZARI SANTNER, Director

WILLAMETTE PARK BOAT RAMP REPAIR
EROSION CONTROL PLAN

Portland, Oregon
PROJECT MANAGER: JON ADKINS
DATE: 12-19-2013 SCALE: AS SHOWN DRAWN BY: JWB SECTION:

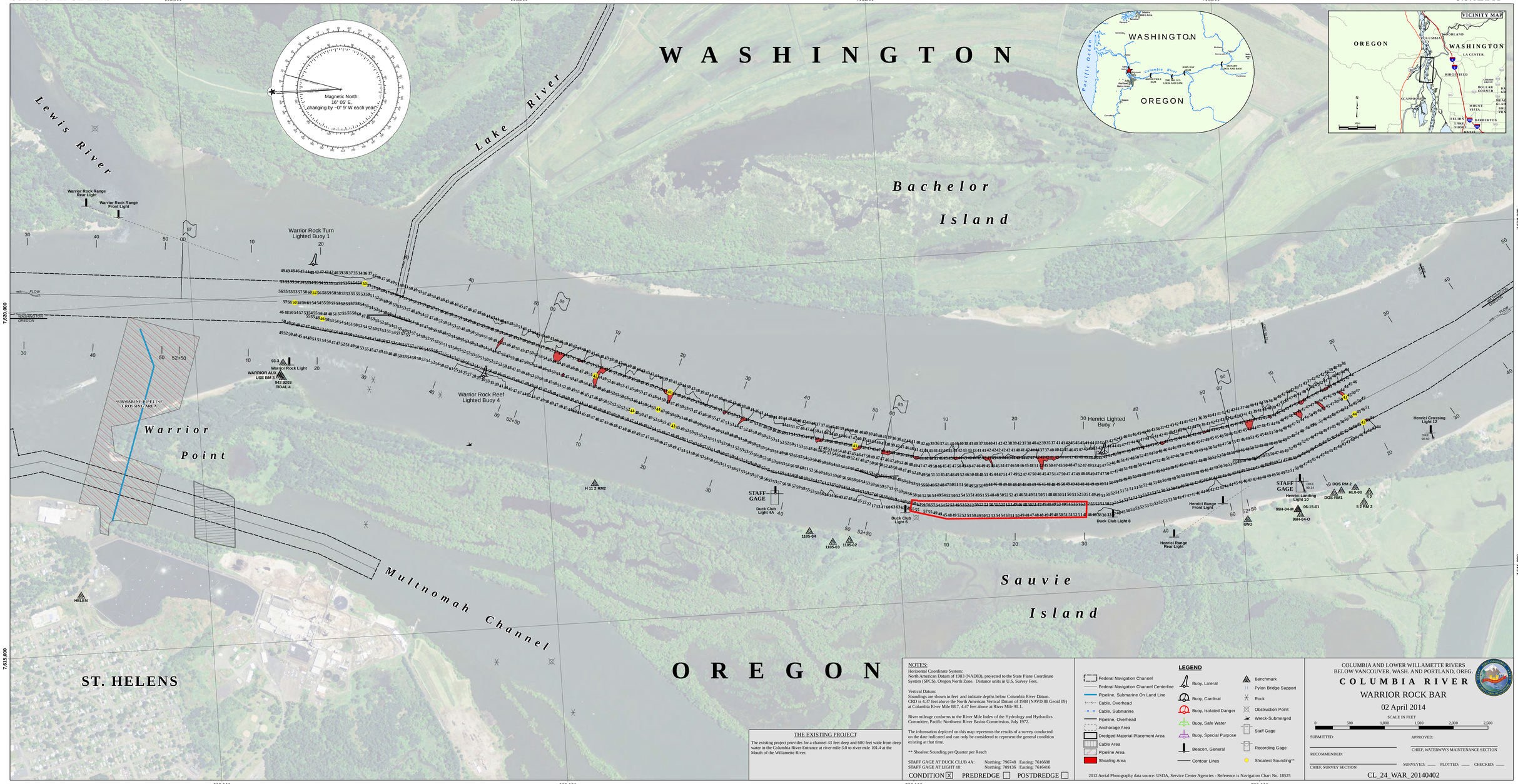
REVISIONS		
DATE	DESCRIPTION	BY

SHEET 7 OF 9

P:\2013\1323 - Willamette Park Launch Ramp Dredging Permit Support\CAD\Updated Willamette Sheets.dwg, 12-19-13, 2:00pm, jbrown

CORPS OF ENGINEERS

U.S. ARMY


WASHINGTON
OREGON
Lewis River
Lake River
Bachelor Island
Warrior Point
Multnomah Channel
Sauvie Island
ST. HELENS
Magnetic North: 16° 05' E, changing by ~0° 9' W each year
Warrior Rock Range Rear Light
Warrior Rock Range Front Light
Warrior Rock Turn Lighted Buoy 1
Warrior Rock Light
WARRIOR AUX 1
USE BM 1
943 9203
TIDAL 4
Warrior Rock Reef Lighted Buoy 4
SUBMARINE PIPELINE CROSSING AREA
STAFF GAGE
Duck Club Light 4A
Duck Club Light 6
Duck Club Light 8
Henrici Lighted Buoy 7
Henrici Range Front Light
Henrici Range Rear Light
Henrici Crossing Light 12
Henrici Landing Light 10
99H-04-M
99H-04-O
06-15-01
DOS-RM1
DOS RM 2
HLD-00
S 2
S 2 RM 2
UNO
H 11 2 RM2
1105-04
1105-03
1105-02
HELEN
VICINITY MAP
OREGON
WASHINGTON
PORTLAND
COLUMBIA
LA CENTER
RIDGEFIELD
SCAPPOOSE
DOLLAR CORNER
MOUNT VISTA
BARRERTON
FELIDA
Pacific Ocean
Columbia River
BONNEVILLE DAM
THE DALLES LOCK AND DAM
JOHN DAY DAM
MCNARY LOCK AND DAM
Portland
Vancouver
Longview
Kelso
Astoria
Salem
Eugene
Medford
Spokane
Pasco
Yakima
Walla Walla
Lewiston
Coeur d'Alene
Kennewick
Richland
Pendleton
Bend
Klamath Falls
Ketchikan
Juneau
Sitka
Prince Rupert
Port Hardy
Prince Rupert Water Area
Port Hardy Water Area
Sitka Water Area
Ketchikan Water Area
Juneau Water Area