

Source: Aerial photograph obtained from ESRI, Inc. ArcGIS Online/Bing Maps.

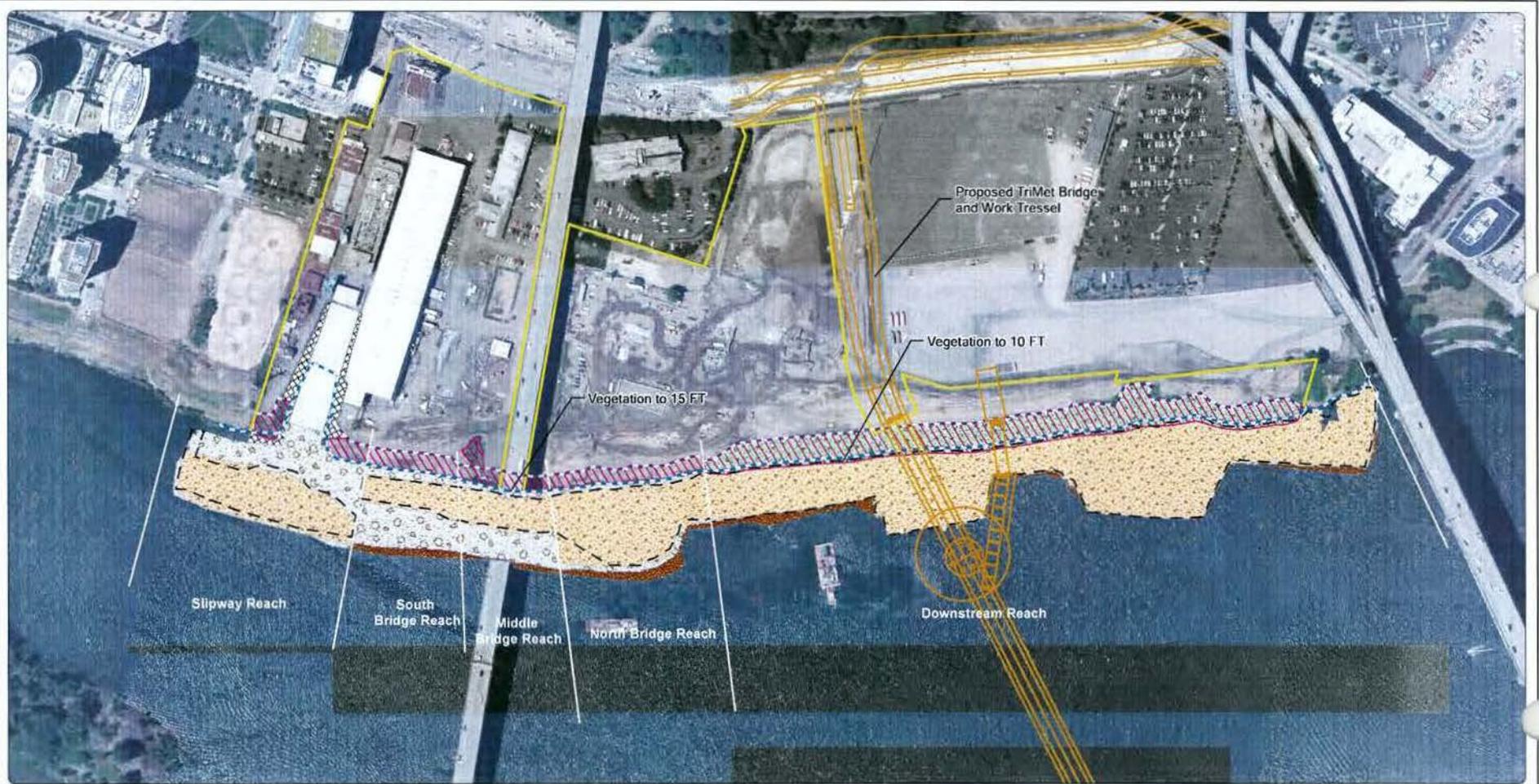


Figure 1
As-Built Evaluation
 ZRZ Realty Company
 Portland, Oregon



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Source: Aerial photograph obtained from ESRI, Inc. ArcGIS Online/Bing Maps.

As-Built		Legend	
	Habitat Gravel Surface		Gravel Design Boundary
	Rock Armor Surface		Top of Bank
	Sand Surface		Line of Ordinary High Water (+18 ft CoP)
	Bio-Erosion Control		Steel Plates
	Armor Enhancement		Site Boundary
	Vegetation Area		

Figure A2
Revised - 10/16/2012
As-Built Surface Conditions
 ZRZ Realty Company
 Portland, Oregon



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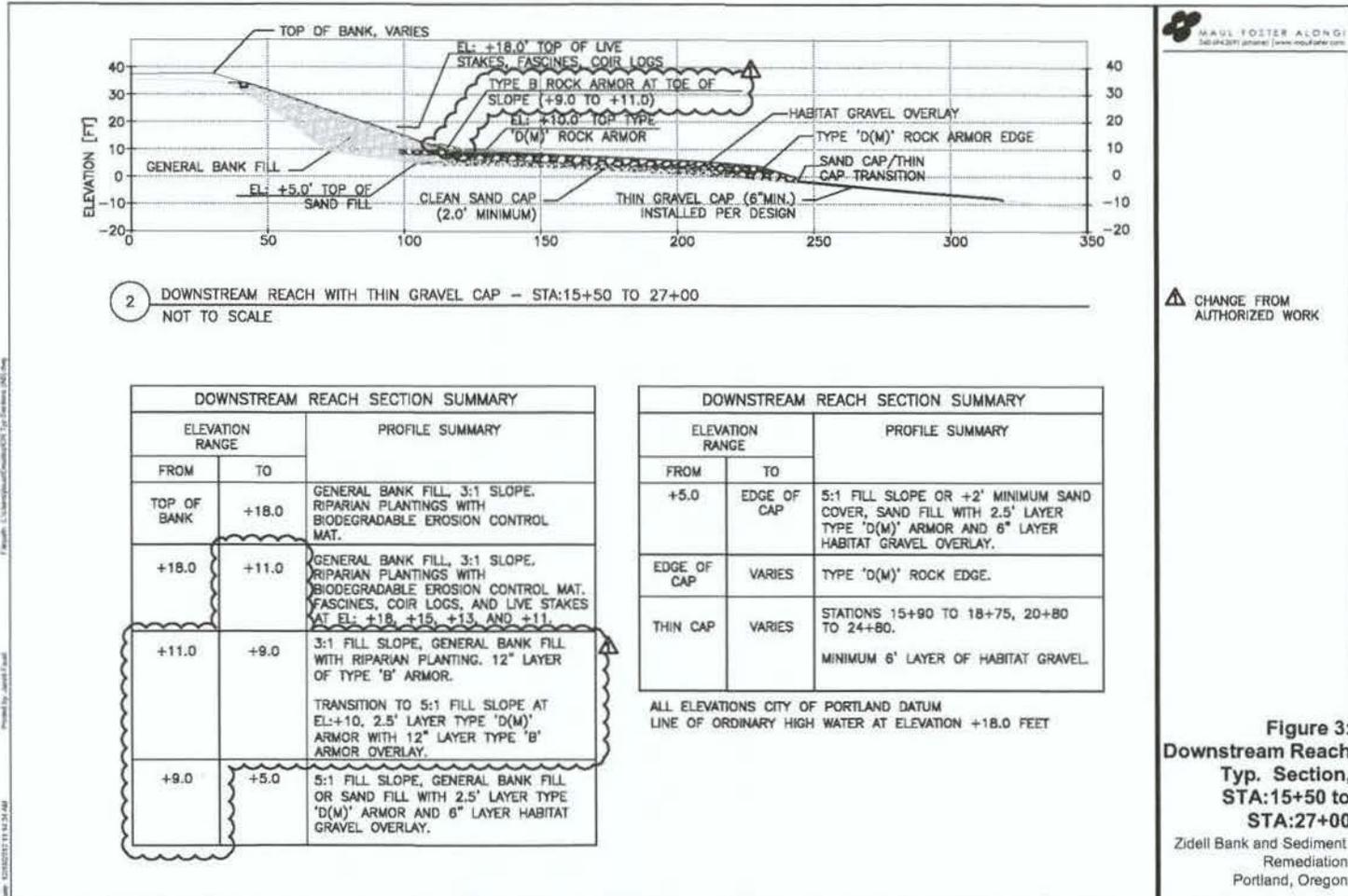
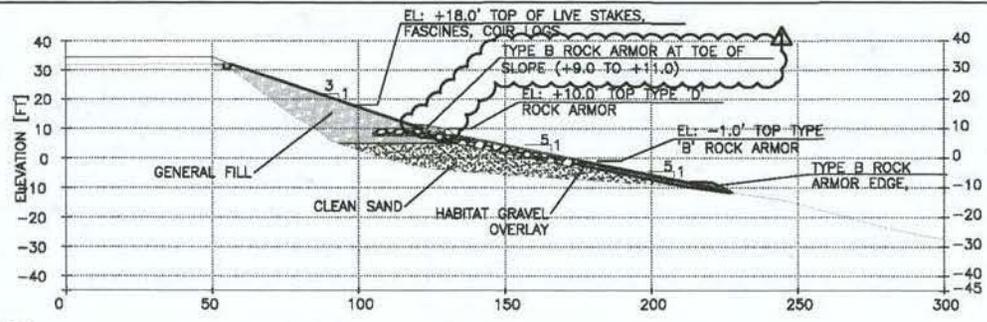


Figure 3:
Downstream Reach
Typ. Section,
STA:15+50 to
STA:27+00
Zidell Bank and Sediment
Remediation
Portland, Oregon



1 DOWNSTREAM REACH TYPICAL SECTION, STA: 11+50 TO 15+50
NOT TO SCALE

DOWNSTREAM REACH SECTION SUMMARY		
ELEVATION RANGE		PROFILE SUMMARY
FROM	TO	
TOP OF BANK	+18.0	GENERAL BANK FILL, 3:1 SLOPE. RIPARIAN PLANTINGS WITH BIODEGRADABLE EROSION CONTROL MAT.
+18.0	+11.0	GENERAL BANK FILL, 3:1 SLOPE. RIPARIAN PLANTINGS WITH BIODEGRADABLE EROSION CONTROL MAT. FASCINES, COIR LOGS, AND LIVE STAKES AT EL: +18, +15, +13, AND +11.
+11.0	+9.0	3:1 FILL SLOPE, GENERAL BANK FILL WITH RIPARIAN PLANTING. 12" LAYER OF TYPE 'B' ARMOR. TRANSITION TO 5:1 FILL SLOPE AT EL:+10, 2.5' LAYER TYPE 'D(M)' ARMOR WITH 12" LAYER TYPE 'B' ARMOR OVERLAY.
+9.0	+5.0	5:1 FILL SLOPE, GENERAL BANK FILL OR SAND FILL WITH 2.5' LAYER TYPE 'D(M)' ARMOR AND 6" LAYER HABITAT GRAVEL OVERLAY.

DOWNSTREAM REACH SECTION SUMMARY		
ELEVATION RANGE		PROFILE SUMMARY
FROM	TO	
+5.0	-1.0	5:1 FILL SLOPE OR +2' MINIMUM SAND COVER, SAND FILL WITH 2.5' LAYER TYPE 'D(M)' ARMOR AND 6" LAYER HABITAT GRAVEL OVERLAY.
-1.0	EDGE OF CAP	5:1 FILL SLOPE OR +2' MINIMUM SAND COVER, SAND FILL WITH 16" LAYER TYPE 'B' ARMOR AND 6" LAYER HABITAT GRAVEL OVERLAY.
EDGE OF CAP	VARIES	TYPE 'B' ROCK EDGE.

ALL ELEVATIONS CITY OF PORTLAND DATUM
LINE OF ORDINARY HIGH WATER AT ELEVATION +18.0 FEET



▲ CHANGE FROM AUTHORIZED WORK

Figure 2:
Downstream Reach
Typ. Section,
STA:11+50 to
STA:15+50
Zidell Bank and Sediment
Remediation
Portland, Oregon

U.S. Department of
Homeland Security

United States
Coast Guard



Commander
United States Coast Guard
Thirteenth District

915 Second Ave.
Seattle, WA 98174-1067
Staff Symbol: dpw
Phone: (206) 220-7270
Fax: (206) 220-7265

16518

APR 20 2012

Zidell Marine Corporation
Attn: Mr. William Gobel, Project Manager
3121 SW Moody Avenue
Portland, OR 97239

Dear Mr. Gobel,

Your approved Private Aids to Navigation Application (CG-2554) is enclosed for the following:

- Zidell Regulatory Lighted Buoy A Light List #14959.1 Serial #73632 Class I.
- Zidell Regulatory Lighted Buoy B Light List #14959.2 Serial #73633 Class I
- Zidell Regulatory Lighted Buoy C Light List #14959.3 Serial #73634 Class I

Please reference the following enclosure:

- Approved Private Aids to Navigation (PATON) Application (CG-2554)

Please remember that your PATON application is a legal document. Further regulations concerning your responsibilities can be found in Title 33 Code of Federal Regulations (CFR) Subchapter C Parts 62 and 66, which can be found on our website at <http://www.uscg.mil/d13/dpw/paton.asp>. Listed below are some specific points you should be aware of:

- After receiving your approved application, you are required to notify this office immediately at the phone number listed below once the work has been completed on your PATON.
- If your PATON has not been installed within six months of the approval date on your application the approved application is automatically cancelled. To keep your PATON application from being cancelled you will need to notify me in writing and request an extension.
- Any discrepancy in the operation of your PATON must be immediately reported to Coast Guard Sector Columbia River at (503) 861-6212, 24 hours a day, and my representative listed below.
- All classes of PATON shall be maintained in proper condition. They are subject to inspection by the Coast Guard at any time and without prior notice to the owner and/or maintainer.
- If you need to make changes to, transfer ownership of or discontinue your PATON, or update your application, contact my representative no less than two weeks prior to making these changes.

If you have any questions contact my representative Mr. Timothy Westcott at (206) 220-7285 or by email at d13-pf-paton@uscg.mil.

Sincerely,


D. R. PELOQUIN
Commander U.S. Coast Guard
Chief Waterways Management Branch

Encl: Approved Private Aids to Navigation application (CG-2554)
Copy: Commander, Coast Guard Marine Safety Unit Portland