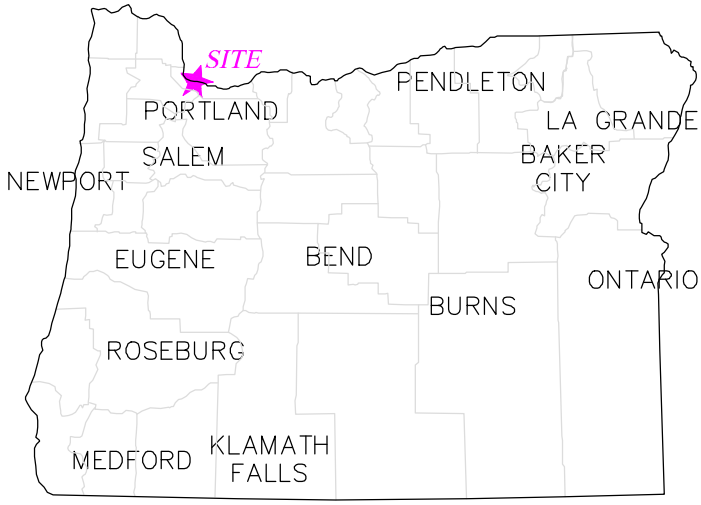
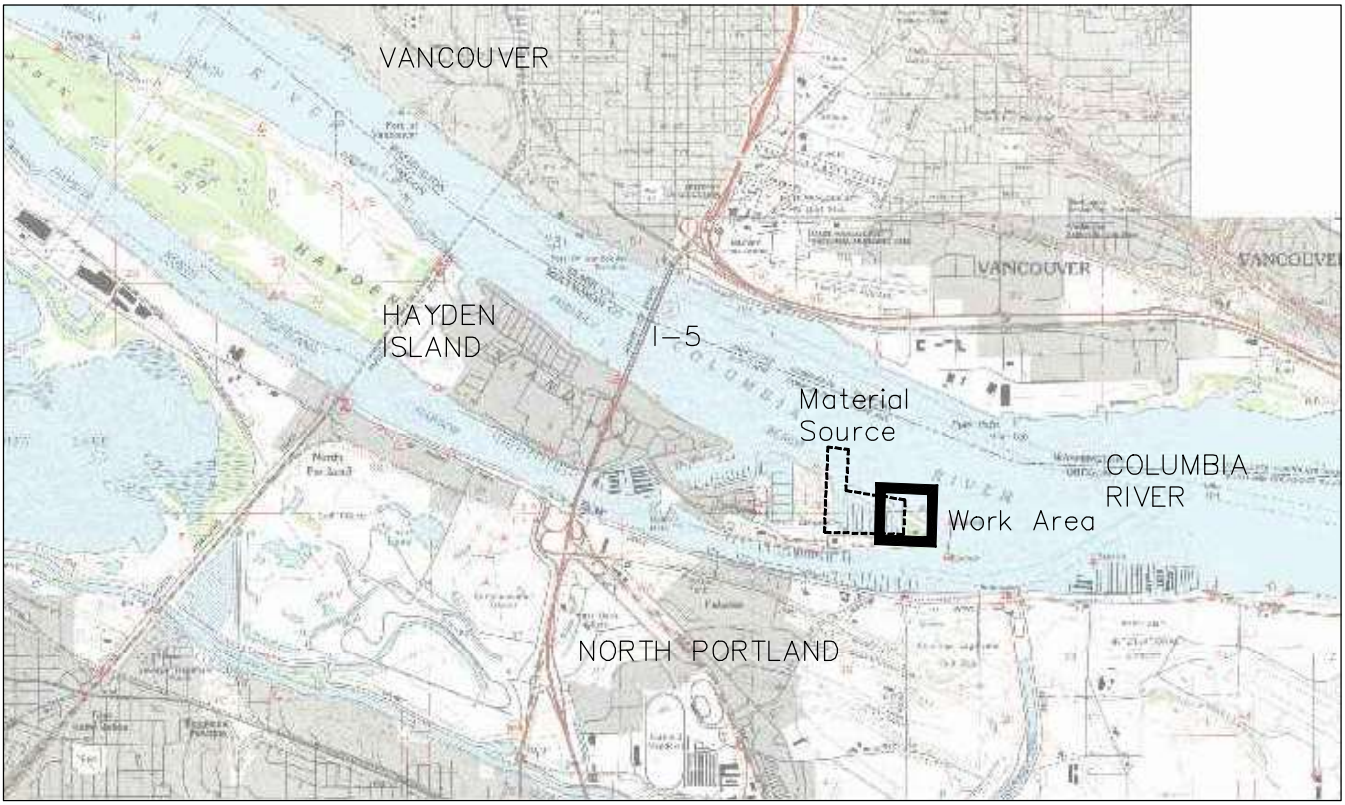


Sheet Index:

1. Locator Map
2. Tax Map
3. River Context Photo
4. Existing Site Survey
5. Proposed Grading
6. Final Proposed Contours
7. Material Source
8. Construction Management
9. Large Wood Material
10. Planting Plan
11. Placement Depth
12. Cross Sections
13. Large Wood Material Detail



LOCATOR MAP

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SHEET TITLE: COVER SHEET		DATE: 8/26/2021
PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217		SHEET NO. 1
RIVER/MILE: COLUMBIA RIVER, MILE 106	DATUM: CRD	

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SHEET TITLE:	RIVER CONTEXT PHOTO	DATE: 8/26/2021
PROJECT:	ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217	SHEET NO. 3
RIVER/MILE:	COLUMBIA RIVER, MILE 106 — DATUM: CRD	

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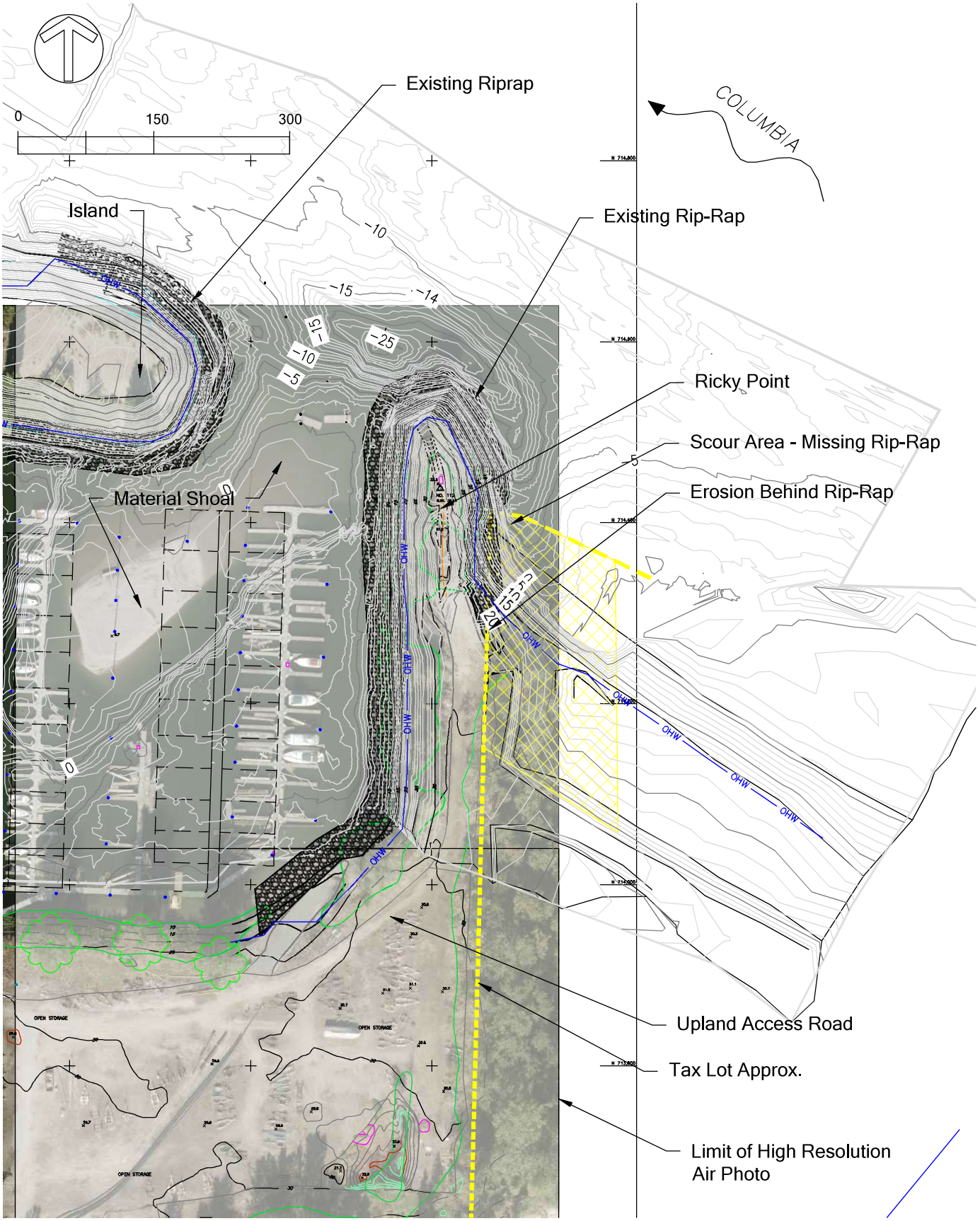

Flowing solutions Flowing Solutions 3305 SW 87th Avenue Portland, OR 97225 Phone (503) 297-6311 Fax (503) 297-6053	SHEET TITLE: EXISTING SURVEY	DATE: 8/26/2021
	PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217	SHEET NO. 4
	RIVER/MILE: COLUMBIA RIVER, MILE 106 — DATUM: CRD	

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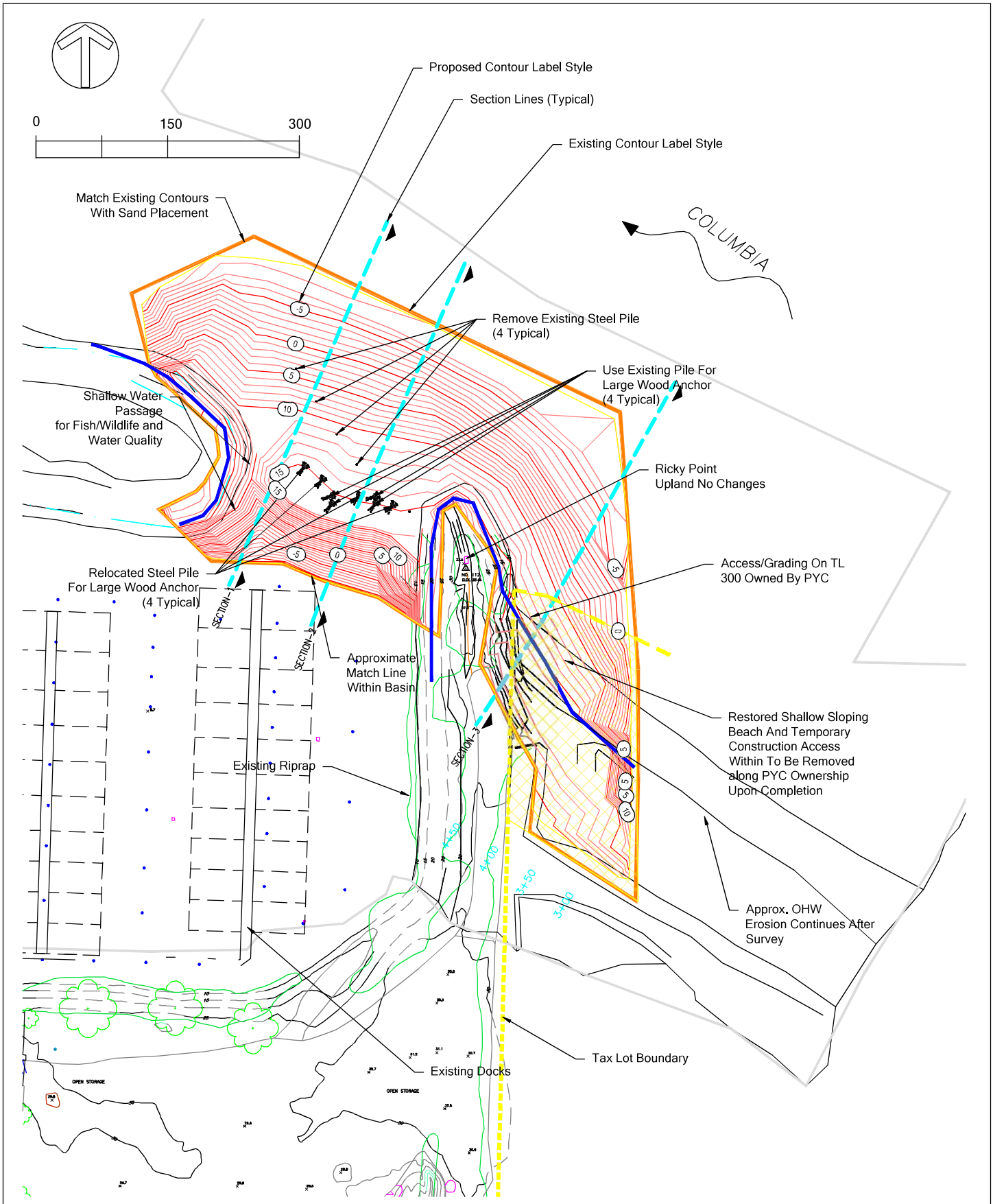

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SHEET TITLE: PROPOSED GRADING - DREDGE MATERIAL PLACEMENT		DATE: 8/26/2021
PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217		SHEET NO. 5
RIVER/MILE: COLUMBIA RIVER, MILE 106	DATUM: CRD	

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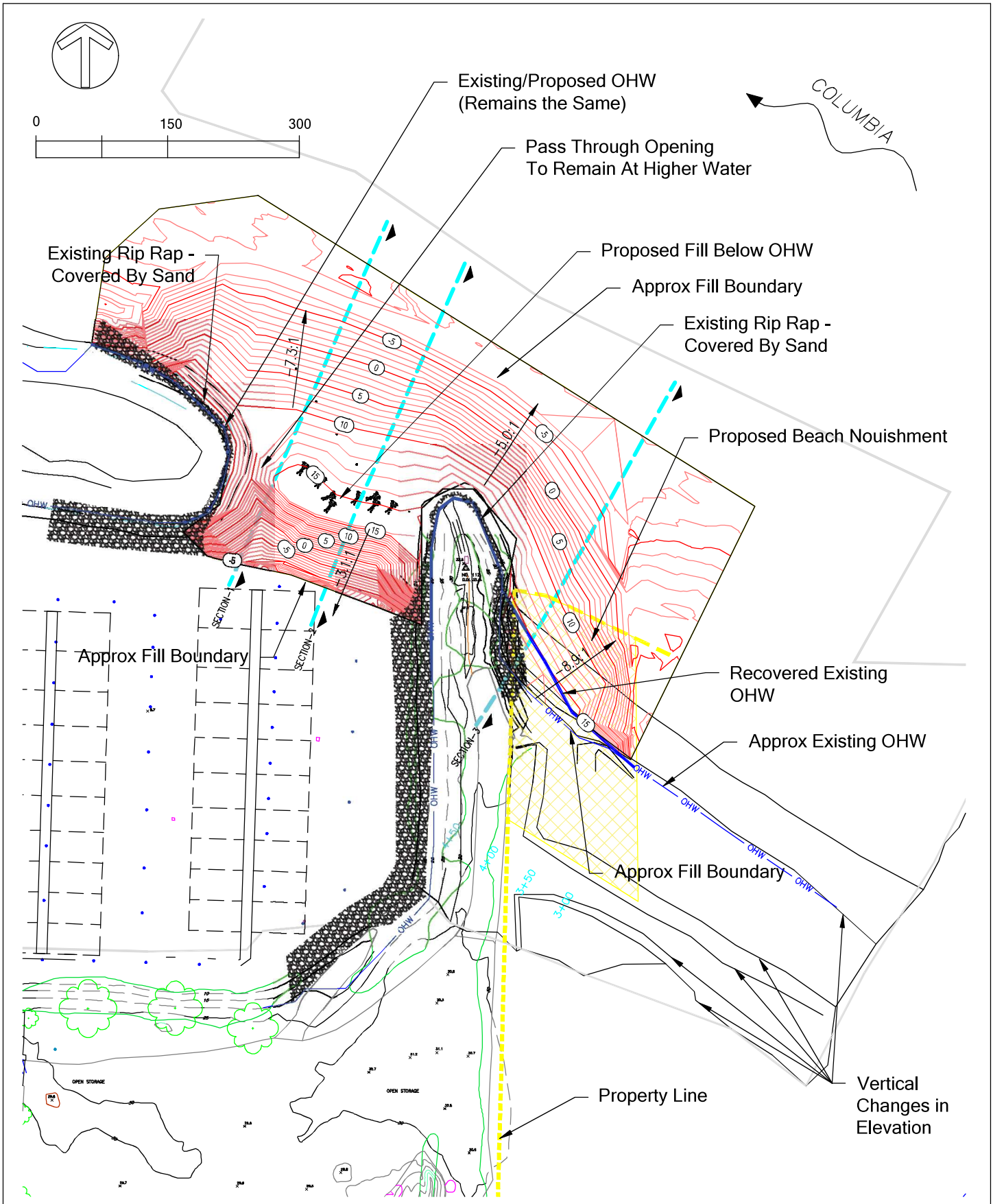

Flowing solutions Flowing Solutions 3305 SW 87th Avenue Portland, OR 97225 Phone (503) 297-6311 Fax (503) 297-6053	SHEET TITLE: PROPOSED FINAL CONTOURS	DATE: 8/26/2021
	PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217	SHEET NO. 6
	RIVER/MILE: COLUMBIA RIVER, MILE 106 — DATUM: CRD	

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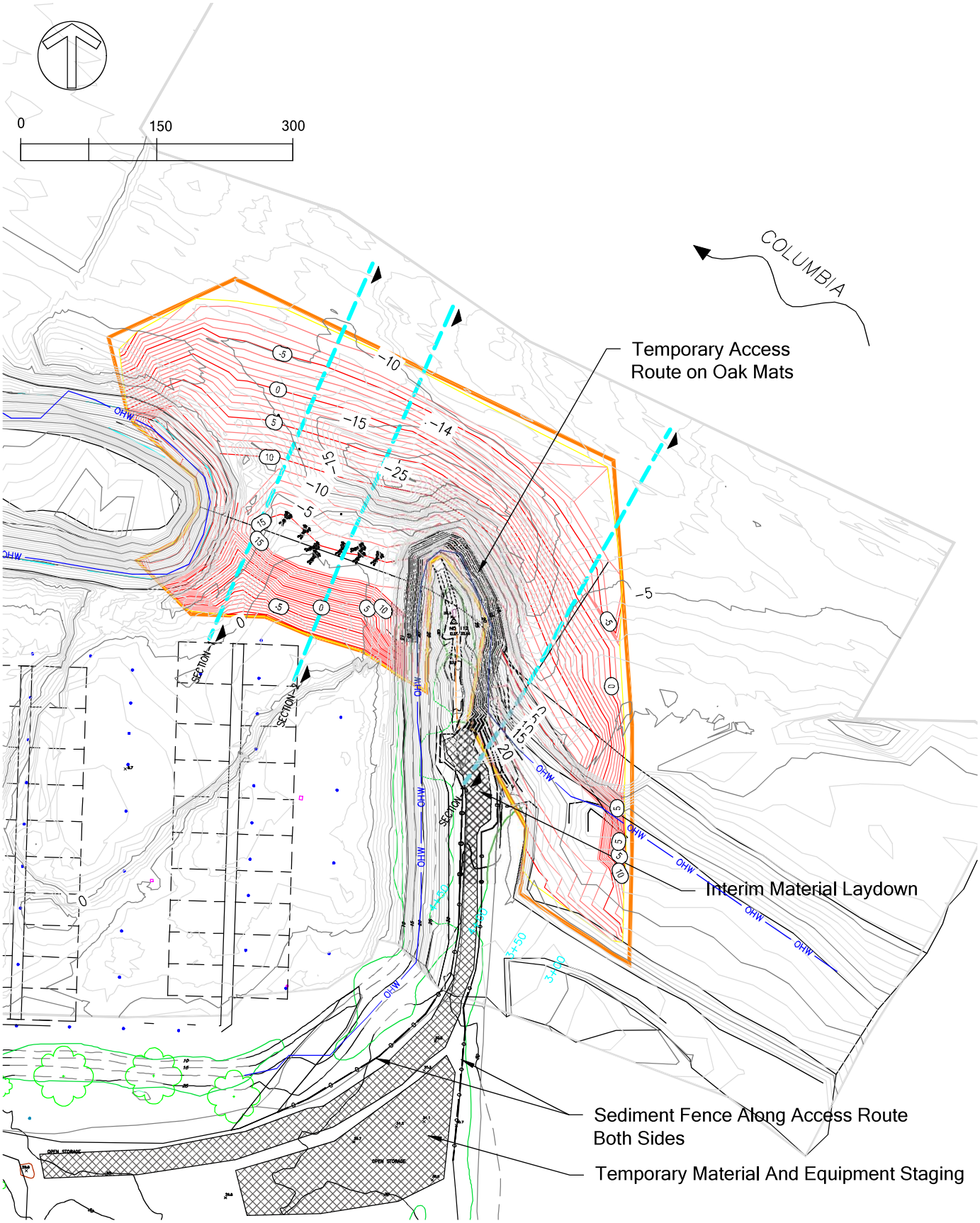

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SHEET TITLE: CONSTRUCTION MANAGEMENT AND ACCESS PLAN		DATE: 8/26/2021
PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217		SHEET NO. 7
RIVER/MILE: COLUMBIA RIVER, MILE 106	DATUM: CRD	

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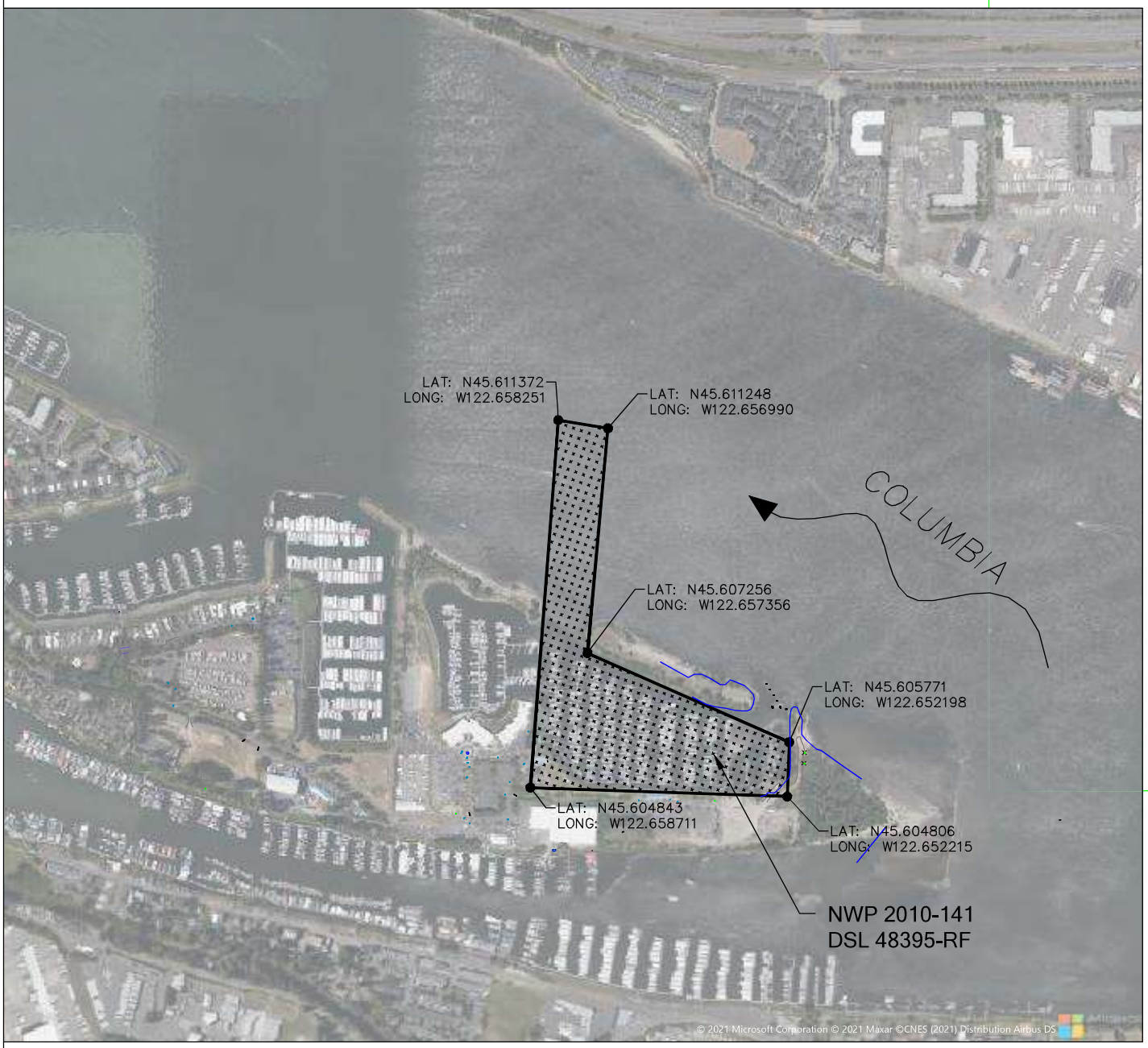

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SHEET TITLE: DREDGE MATERIAL SOURCE		DATE: 8/26/2021
PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217		SHEET NO. 8
RIVER/MILE: COLUMBIA RIVER, MILE 106	DATUM: CRD	

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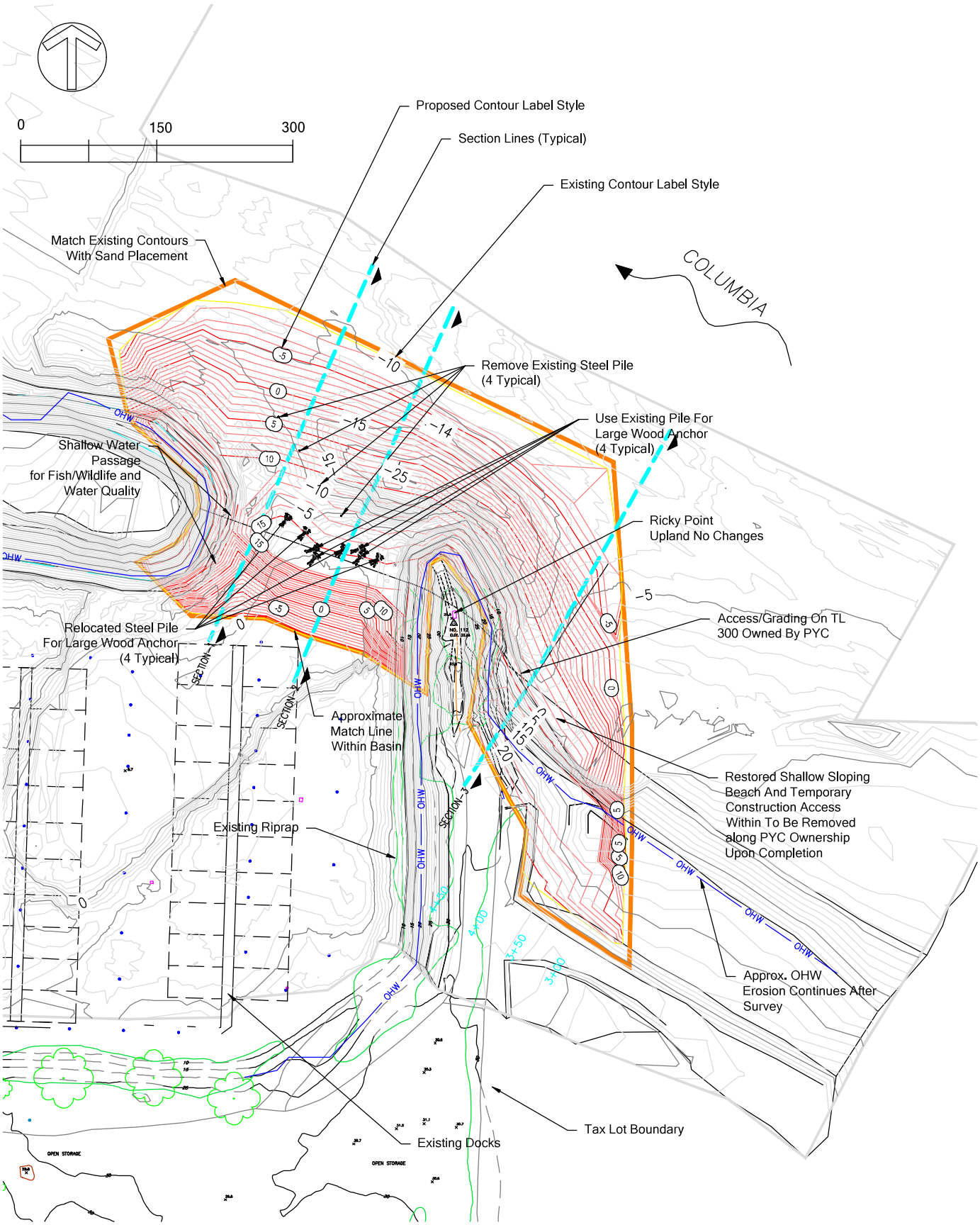

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SHEET TITLE: LARGE WOODY MATERIAL PLACEMENT		DATE: 8/26/2021
PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217		SHEET NO. 9
RIVER/MILE: COLUMBIA RIVER, MILE 106	DATUM: CRD	

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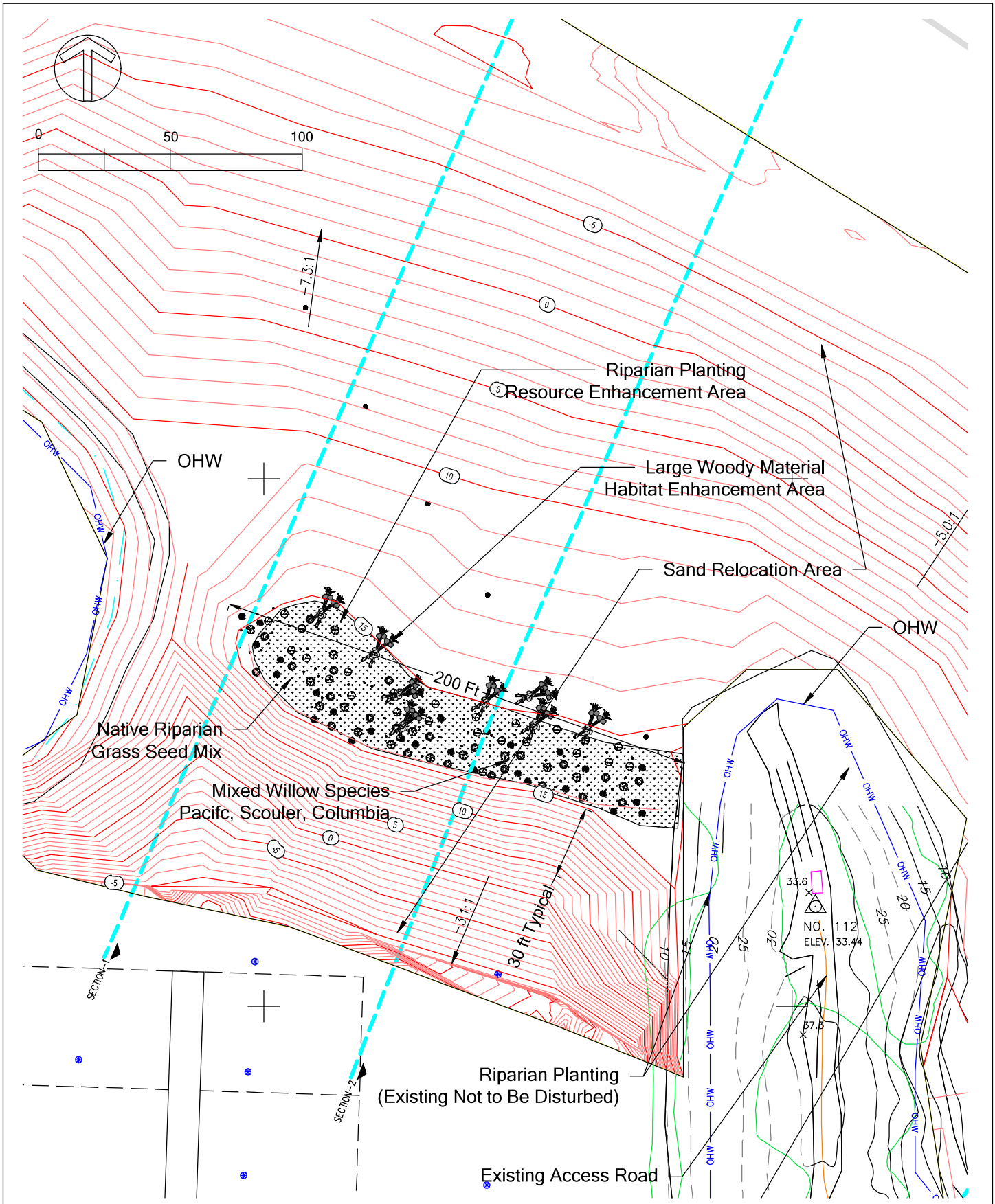

Flowing solutions Flowing Solutions 3305 SW 87th Avenue Portland, OR 97225 Phone (503) 297-6311 Fax (503) 297-6053	SHEET TITLE: RIPARIAN PLANTING PLAN	DATE: 8/26/2021
	PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217	SHEET NO. 10
	RIVER/MILE: COLUMBIA RIVER, MILE 106 — DATUM: CRD	

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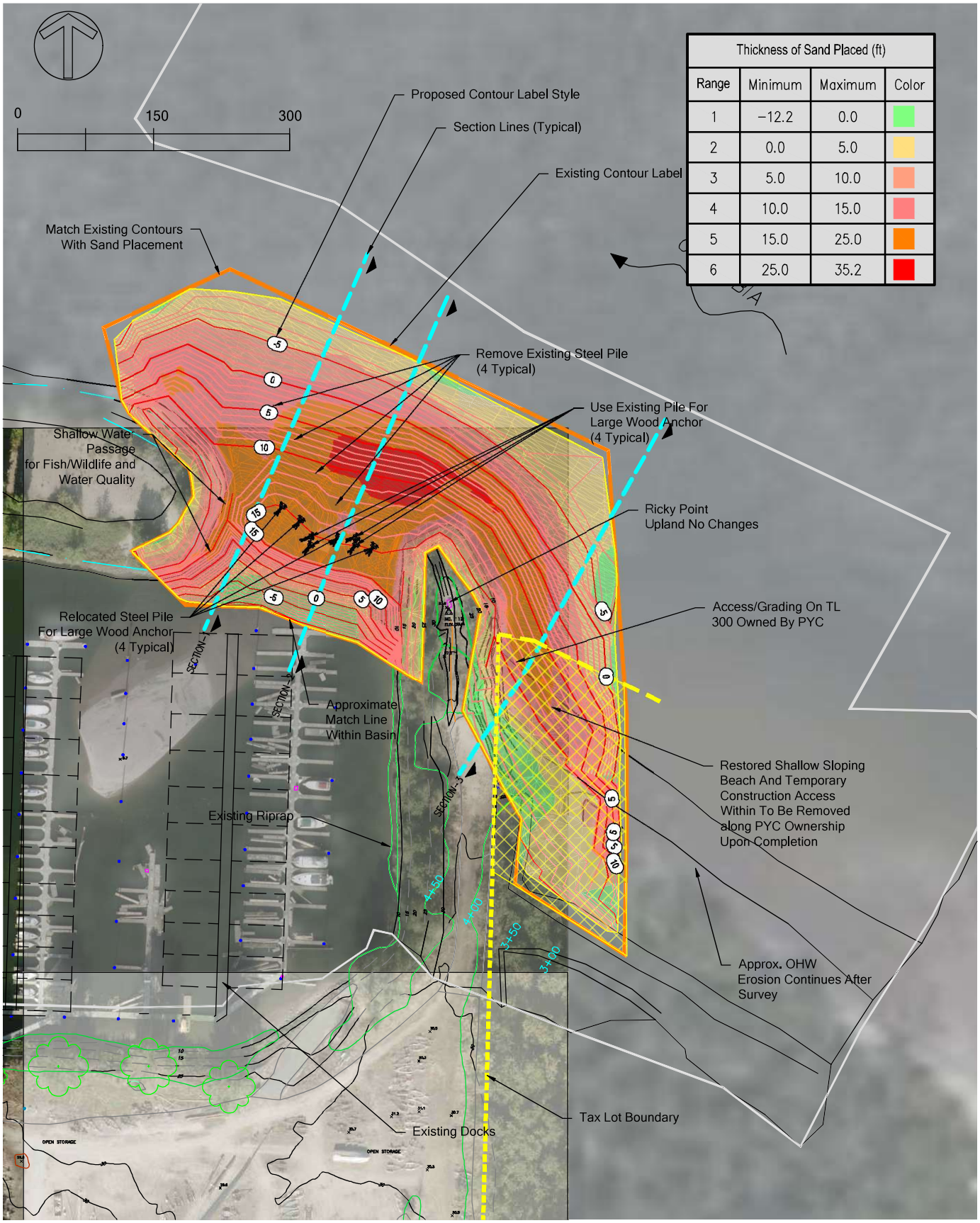

Thickness of Sand Placed (ft)			
Range	Minimum	Maximum	Color
1	−12.2	0.0	
2	0.0	5.0	
3	5.0	10.0	
4	10.0	15.0	
5	15.0	25.0	
6	25.0	35.2	

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SHEET TITLE: PLACEMENT PLAN

PROJECT: ENTRANCE HABITAT ENHANCEMENT
515 NE TOMAHAWK ISLAND DRIVE
PORTLAND, OR 97217

RIVER/MILE: COLUMBIA RIVER, MILE 106

DATUM: CRD

DATE: 8/26/2021

SHEET NO. 11

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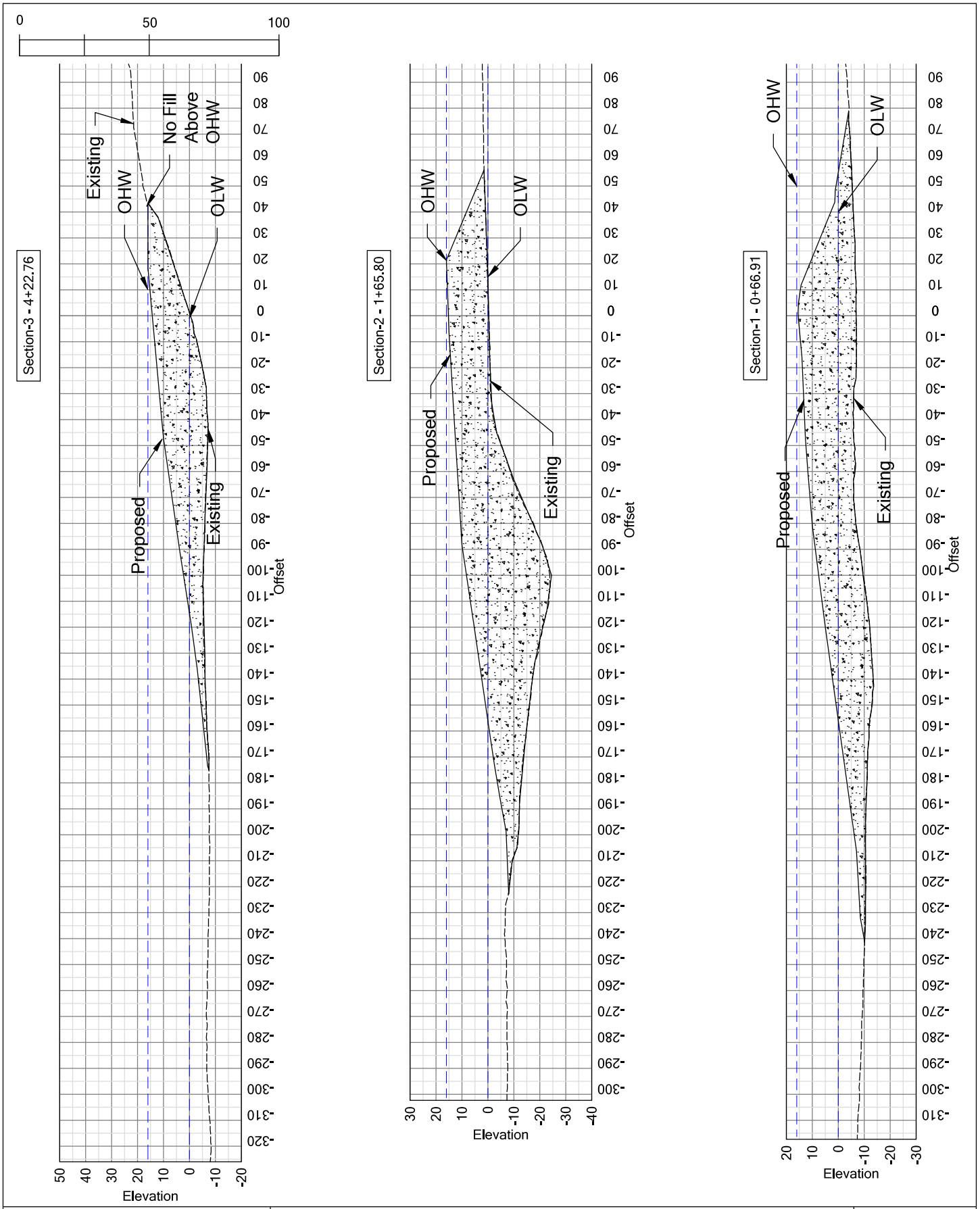

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SHEET TITLE: CROSS SECTIONS		DATE: 8/26/2021
PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217		SHEET NO. 12
RIVER/MILE: COLUMBIA RIVER, MILE 106	DATUM: CRD	

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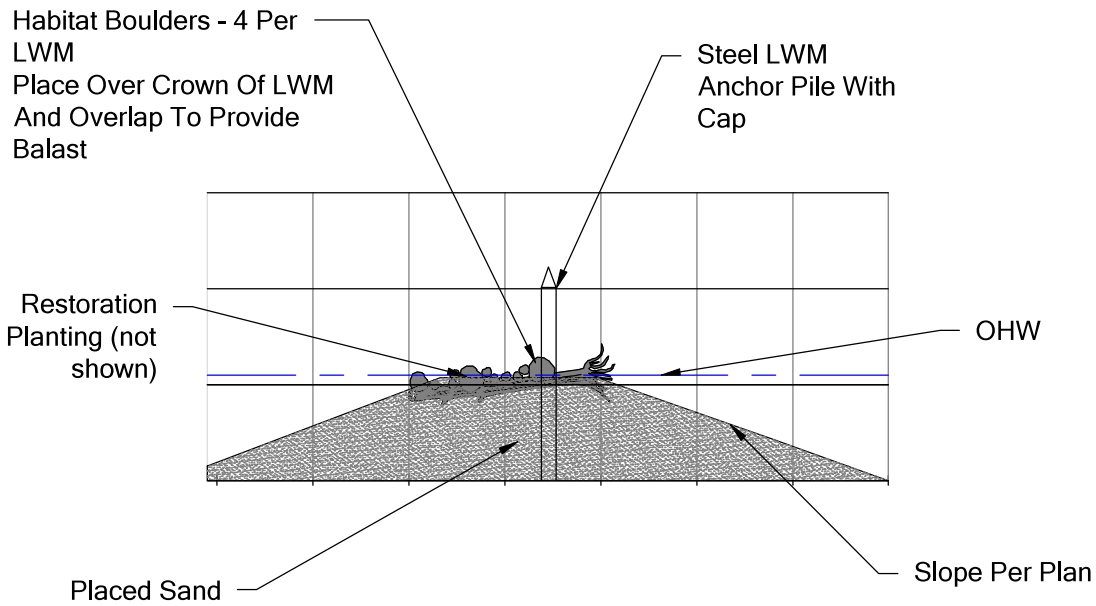
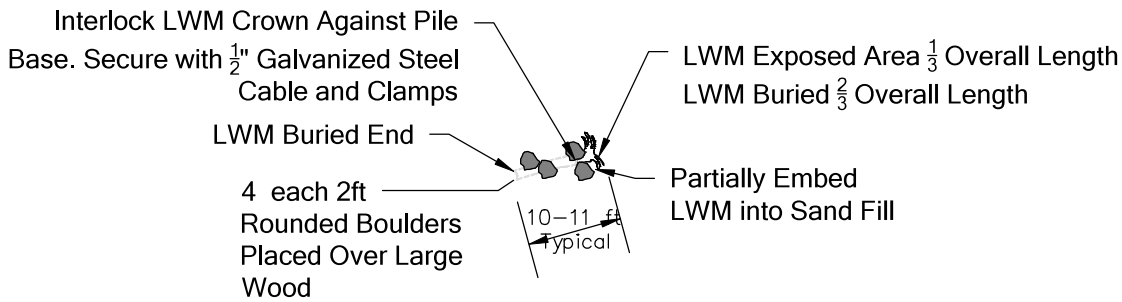


PLACEMENT SECTION



LWM SECTION

BOULDERS PLACED OVER LWM

BOULDER SIZE - TYPICAL

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SHEET TITLE: LARGE WOOD MATERIAL DETAIL		DATE: 8/26/2021
PROJECT: ENTRANCE HABITAT ENHANCEMENT 515 NE TOMAHAWK ISLAND DRIVE PORTLAND, OR 97217		SHEET NO. 13
RIVER/MILE: COLUMBIA RIVER, MILE 106	DATUM: CRD	

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