

Marine Contractor Services for Dredging: West Marina and Pier 3 Boatyard
Haul Out Piers
Exhibit 1 - Site Diagrams



Project Area: Large Scale View

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Project Area: Small Scale View

Marine Contractor Services for Dredging: West Marina and Pier 3 Boatyard
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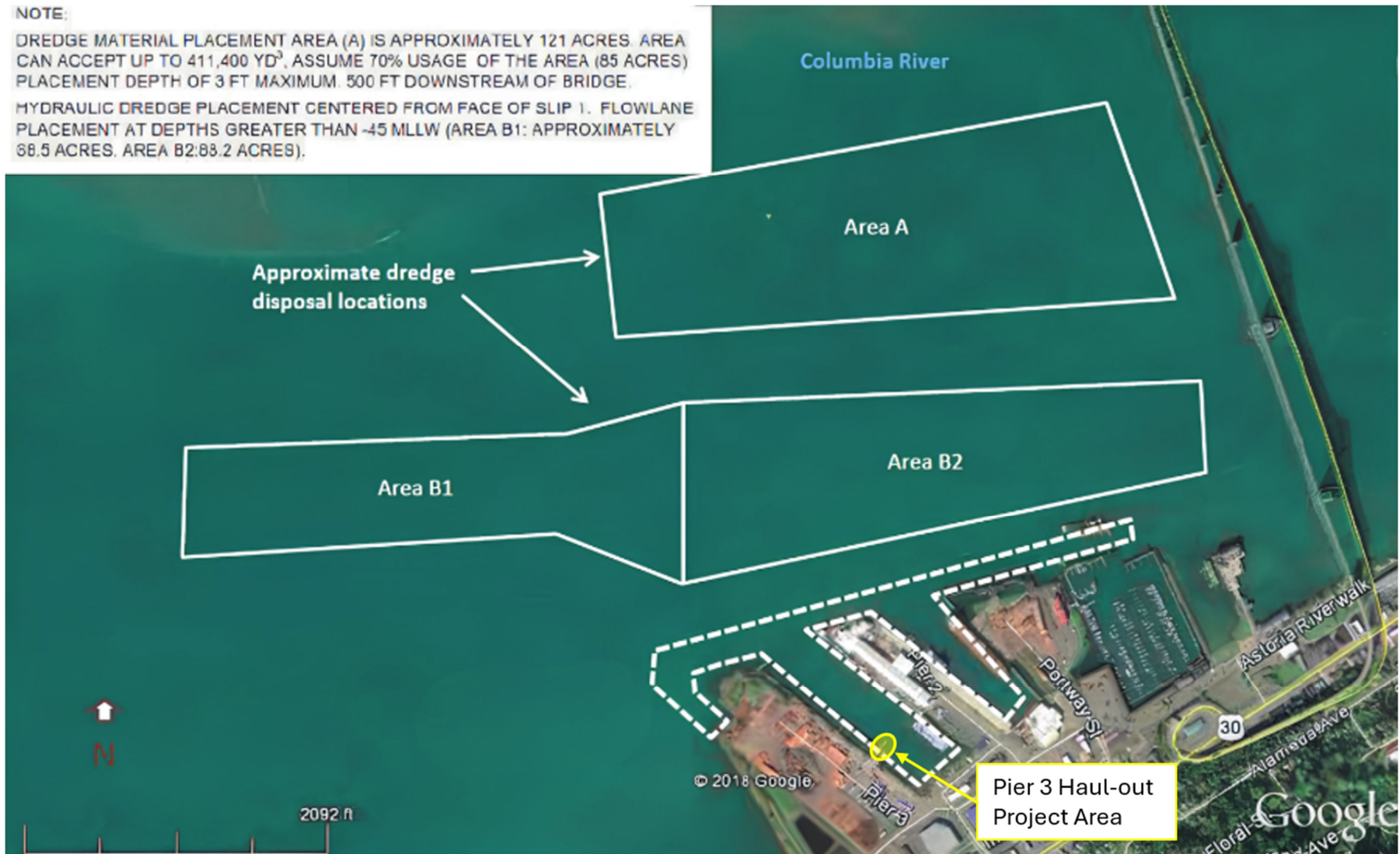
Project Area: Pier 3 Haul Out Piers

Dredging Location: Pier 3 Boatyard Haul Out Piers

Marine Contractor Services for Dredging: West Marina and Pier 3 Boatyard

Haul Out Piers

Exhibit 1 - Site Diagrams



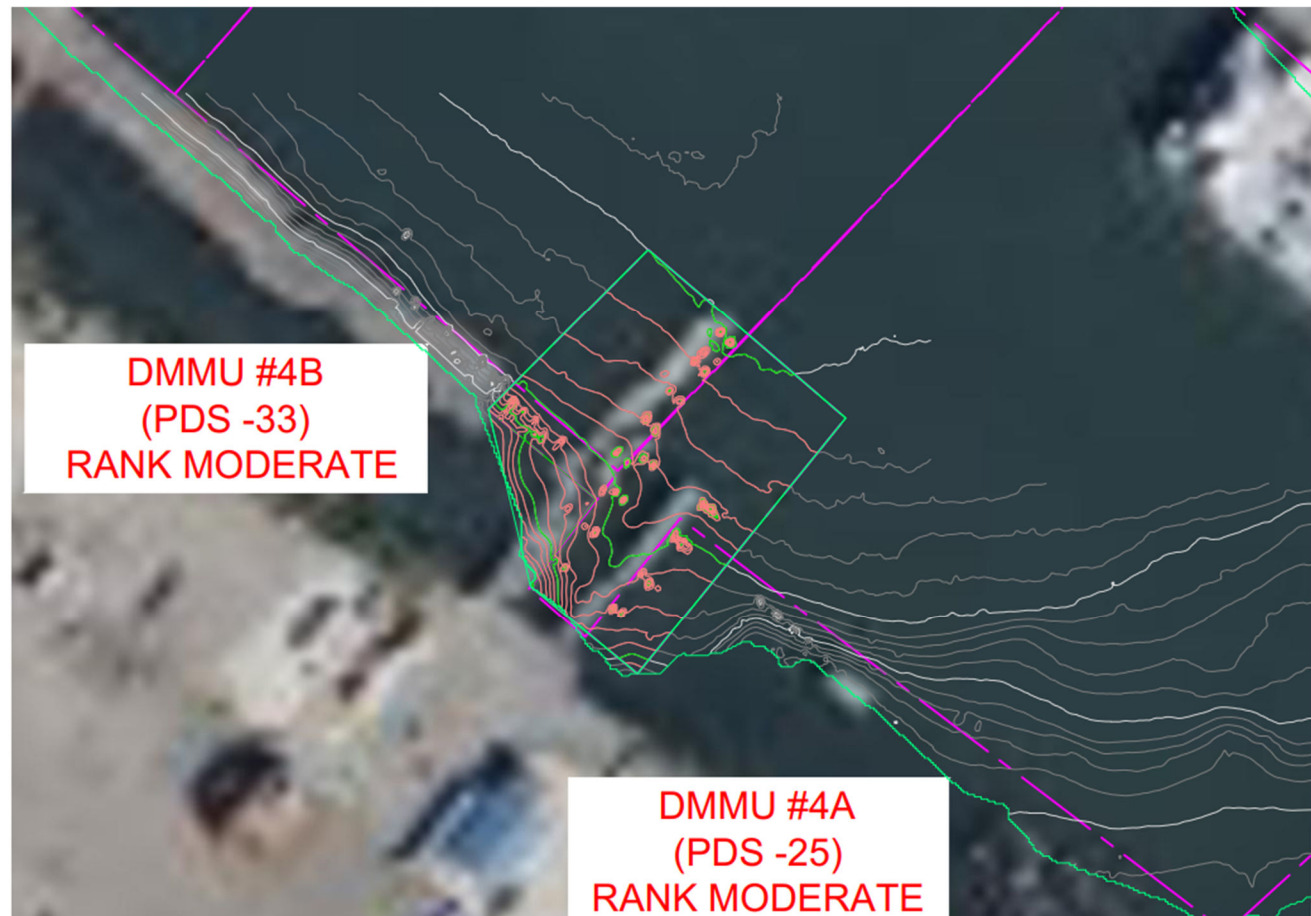
Disposal Location: Pier 3 Boatyard Haul Out Piers

Marine Contractor Services for Dredging: West Marina and Pier 3 Boatyard

Haul Out Piers

Exhibit 1 - Site Diagrams

Cut/Fill Report & Bathymetric Lines: Pier 3 Boatyard Haul Out Piers



Cut/Fill Report							
Generated:	5/8/2026 13:48						
By user:	Lance Downs, PE, GE						
Drawing:	D:\ART Active Projects\Port of Astoria\Pier 1 2 and 3\2025-2026 CWD\D:\ART Active Projects\Port of Astoria\Pier 1 2 and 3\2025-2026 CWD\POA CWD-WMB DMMU.dwg						
Volume Summary							
Name	Type	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
				(Sq. Ft.)	(Cu. Yd.)	(Cu. Yd.)	(Cu. Yd.)
HAUL OUT VOL (-25 MLLW)	full	1.000	1.000	16,016.60	8,359.08	0.00	8359.08<Cut>

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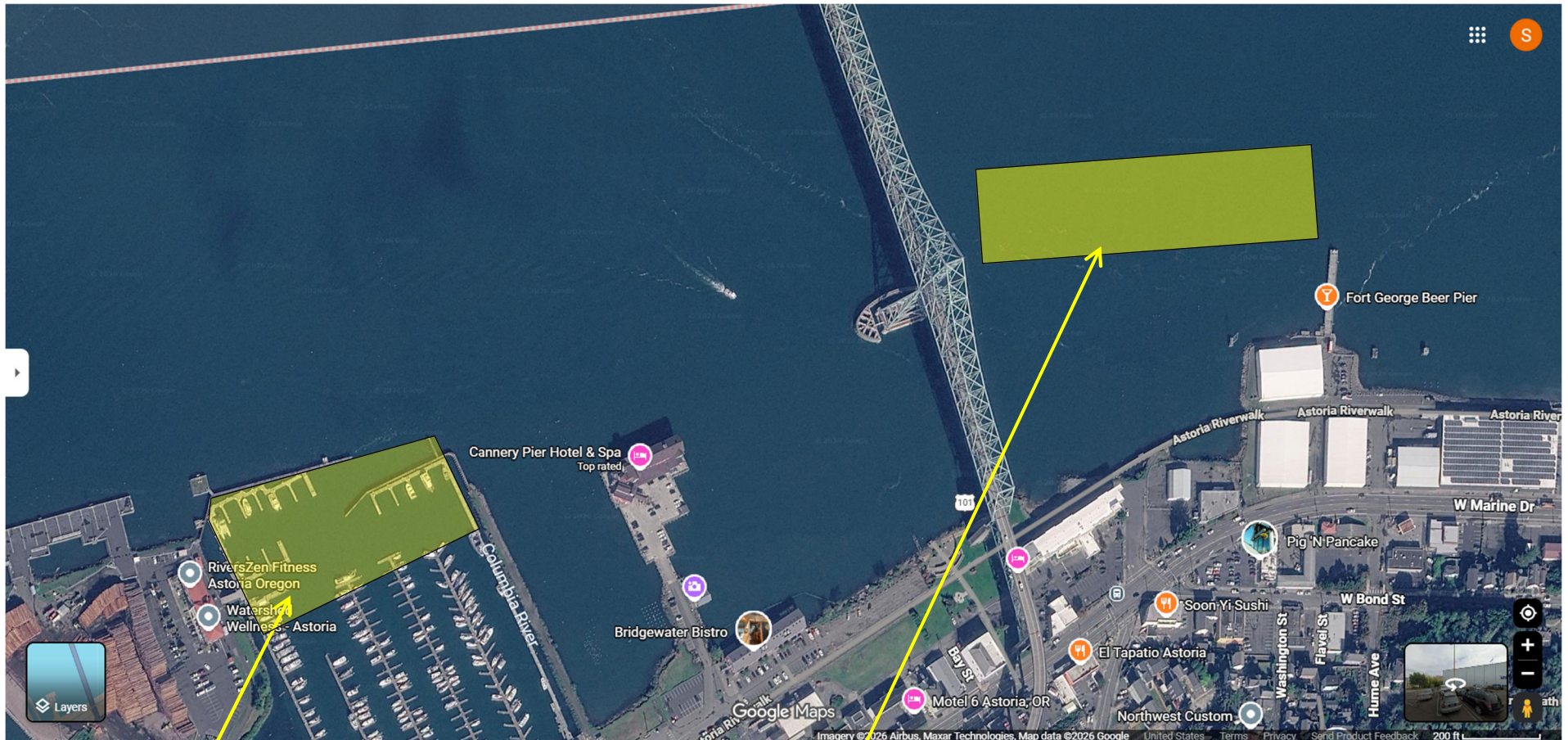


Dredging Location: West Basin Marina

Marine Contractor Services for Dredging: West Marina and Pier 3 Boatyard

Haul Out Piers

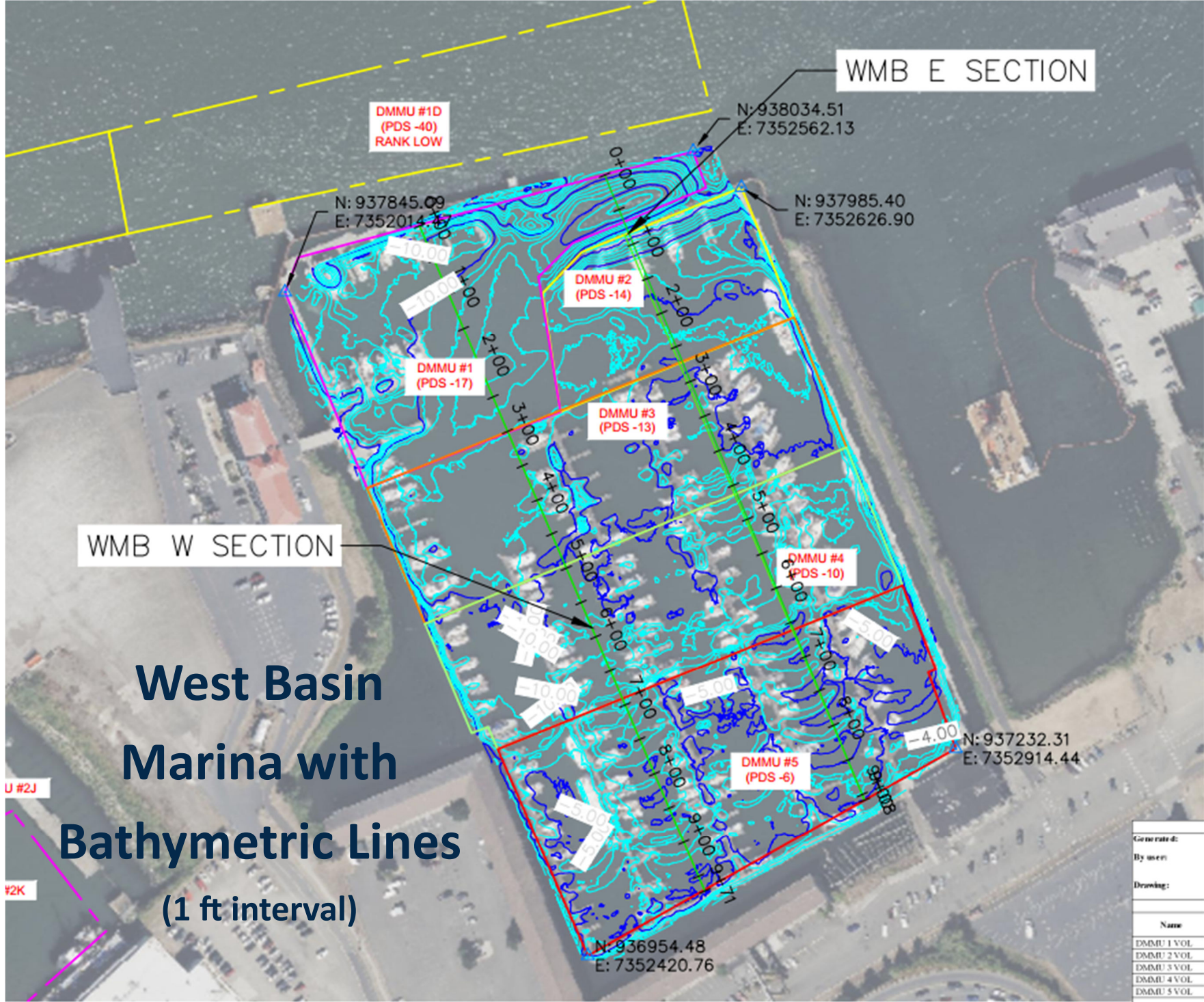
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Dredging Location: West Basin Marina

Disposal Location: West Basin Marina

Marine Contractor Services
for Dredging:
West Marina
and Pier 3
Boatyard Haul
Out Piers
Exhibit 1 - Site
Diagrams



Marine Contractor Services for Dredging: West Marina and Pier 3 Boatyard
Haul Out Piers
Exhibit 1 - Site Diagrams

Cut/Fill Report							
Generated:	2/10/2026 14:39						
By user:	Lance Downs, PE, GE						
Drawing:	D:\ART Active Projects\Port of Astoria\WMB Sediment Sampling\Pre 2025-26\D\ART Active Projects\Port of Astoria\WMB Sediment Sampling\Pre 2025-26\WMB 2026 BASE.dwg						
Volume Summary							
Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
DMMU 1 VOL	-17 MLLW	1.000	1.000	110451.42	25,340	416.93	24923.41<Cut>
DMMU 2 VOL	-14 MLLW	1.000	1.000	57973.88	7,738	168.42	7569.88<Cut>
DMMU 3 VOL	-13 MLLW	1.000	1.000	118809.66	10,907	0.00	10907.13<Cut>
DMMU 4 VOL	-10 MLLW	1.000	1.000	119532.35	5,363	84.67	5277.90<Cut>
DMMU 5 VOL	-6.0 MLLW	1.000	1.000	153324.63	3,382	820.24	2561.72<Cut>
Total:					52,730		

Cut / Fill Report for West Basin Marina