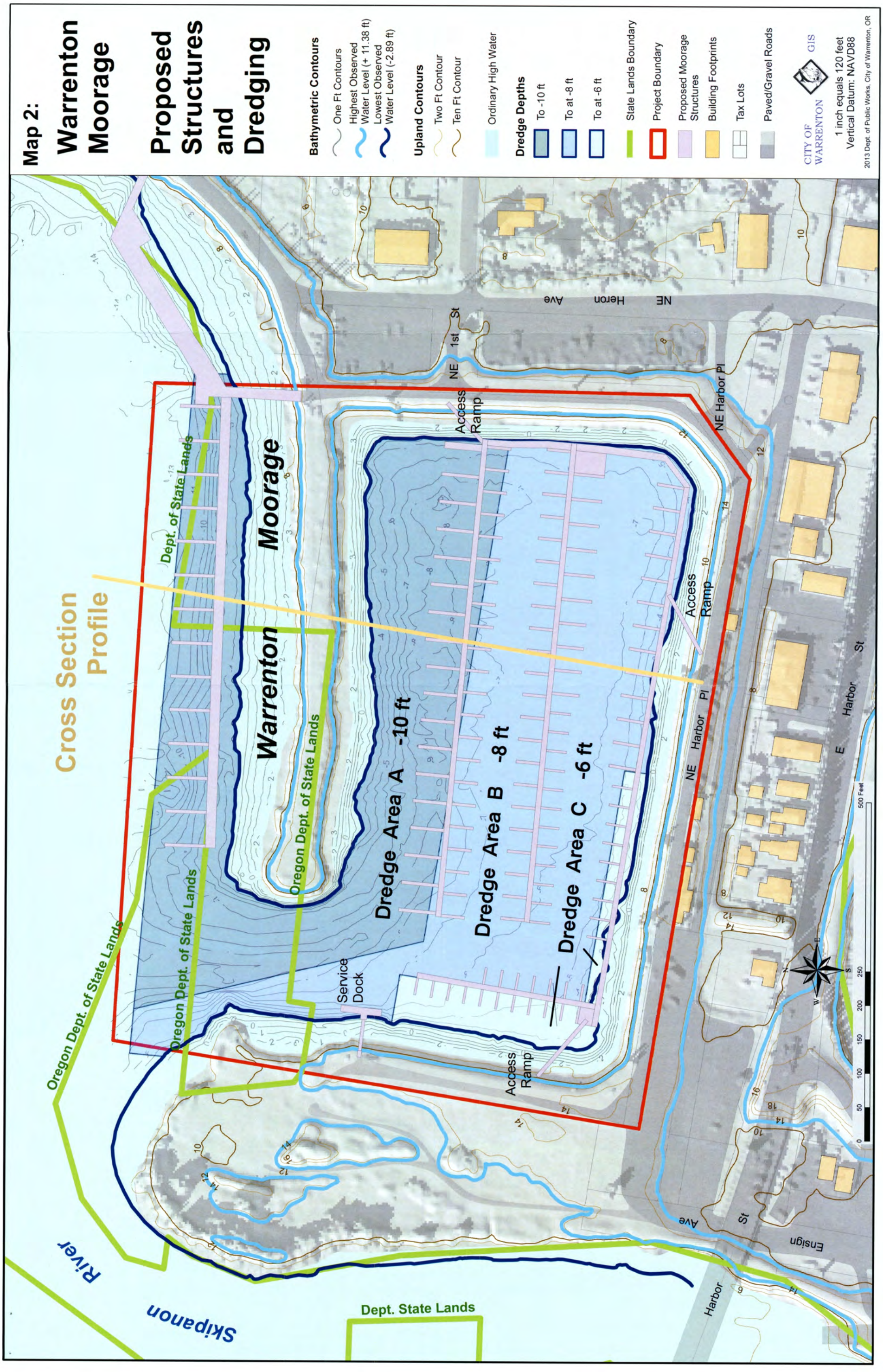
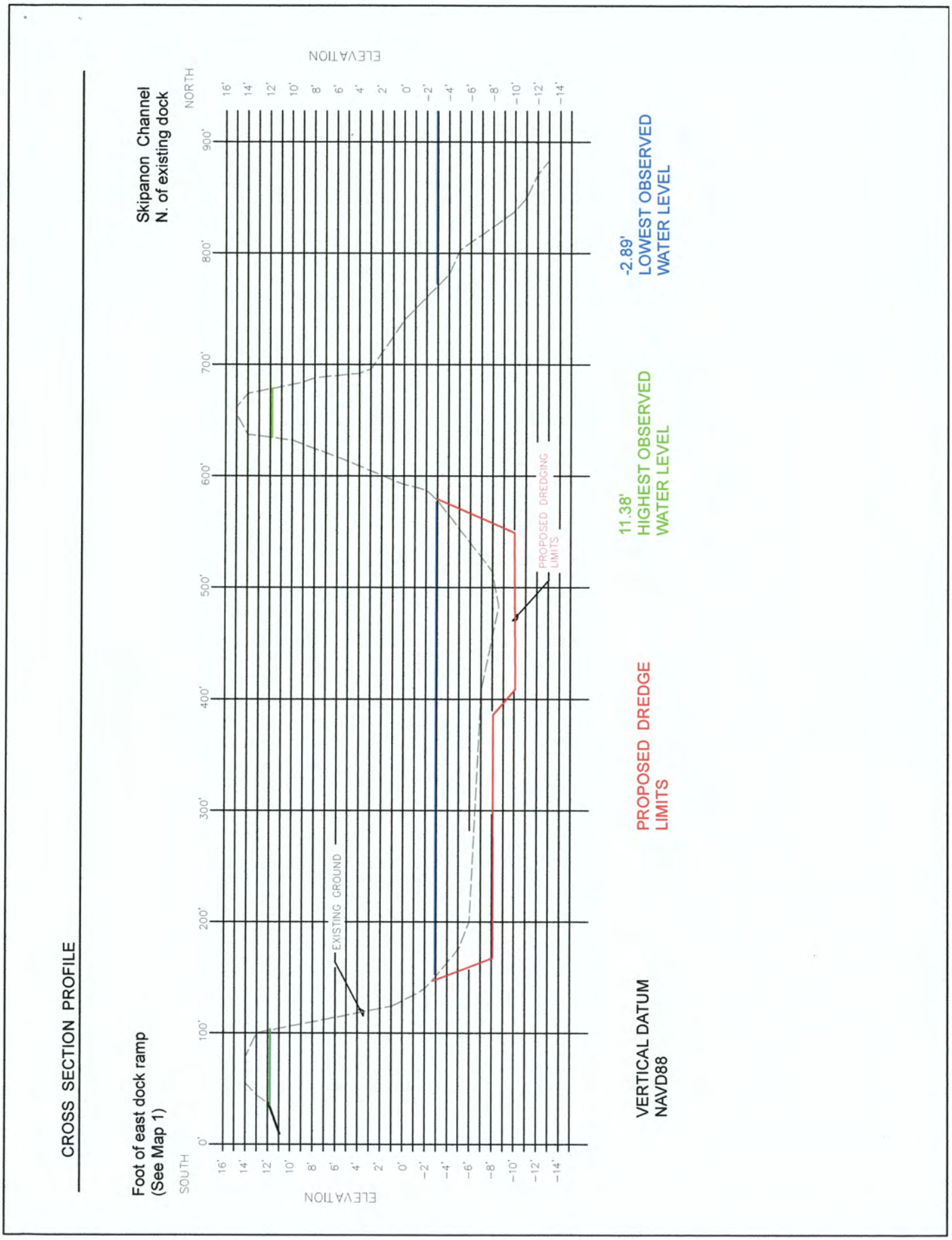
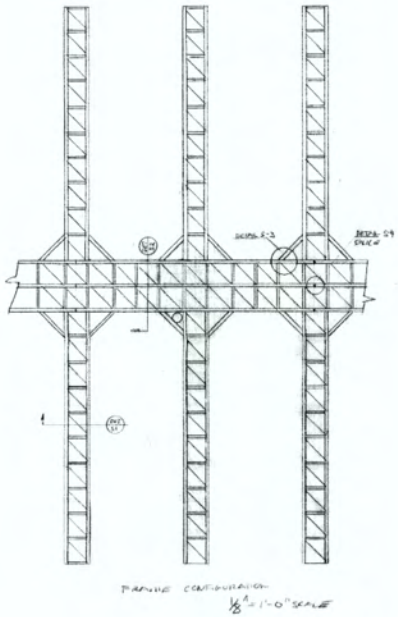
Map 1:
Warrenton Moorage Project Site
Project Boundary
Construction Access
Staging Area
Tax Lots
Buildings
Existing Ramps & Docks
Bathymetric Contours
5 Ft Index Contour
1 Ft Contour
Tide Gates
Catch Basins
Storm Drains
Storm Drain Manholes
CITY OF WARRENTON GIS
1 inch = 120 feet
Vertical Datum: NAVD88
2013 Dept. of Public Works, City of Warrenton, OR
Columbia R
Astoria
Youngs R
HWY 101
Astoria-Warrenton Regional Airport
Skipanon R
City of Warrenton
Warrenton Marina Project
HWY 104
Ridge Rd
Ft Stevens St. Park
1 inch equals 120 feet
Vertical Datum: NAVD88
Construction Access
Cross Section Profile
Warrenton Moorage
OSMB Service Dock
NE Harbor Pl
NE 1st St
Heron Ave
E Harbor St
Project Staging Area
Ensign Ave
Harbor St
Skipanon River
0 50 100 150 200 250 500 Feet

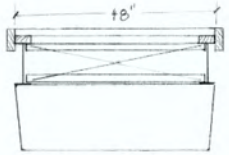

Map 2:
Warrenton Moorage
Proposed Structures and Dredging
Bathymetric Contours
One Ft Contours
Highest Observed Water Level (+ 11.38 ft)
Lowest Observed Water Level (-2.89 ft)
Upland Contours
Two Ft Contour
Ten Ft Contour
Ordinary High Water
Dredge Depths
To -10 ft
To at -8 ft
To at -6 ft
State Lands Boundary
Project Boundary
Proposed Moorage Structures
Building Footprints
Tax Lots
Paved/Gravel Roads
CITY OF WARRENTON GIS
1 inch equals 120 feet
Vertical Datum: NAVD88
2013 Dept. of Public Works, City of Warrenton, OR
Cross Section Profile
Warrenton Moorage
Dredge Area A -10 ft
Dredge Area B -8 ft
Dredge Area C -6 ft
Access Ramp
Service Dock
Oregon Dept. of State Lands
Dept. of State Lands
Dept. State Lands
Skipanon River
NE 1st St
NE Heron Ave
NE Harbor Pl
E Harbor St
Harbor Ave
Ensign St
500 Feet

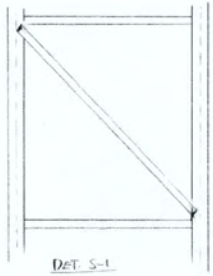

CROSS SECTION PROFILE
Foot of east dock ramp
(See Map 1)
Skipanon Channel
N. of existing dock
SOUTH
NORTH
ELEVATION
0'
100'
200'
300'
400'
500'
600'
700'
800'
900'
16'
14'
12'
10'
8'
6'
4'
2'
0'
-2'
-4'
-6'
-8'
-10'
-12'
-14'
EXISTING GROUND
PROPOSED DREDGING LIMITS
-2.89'
LOWEST OBSERVED WATER LEVEL
11.38'
HIGHEST OBSERVED WATER LEVEL
PROPOSED DREDGE LIMITS
VERTICAL DATUM
NAVD88

Typical Dock Structure Plan and Section

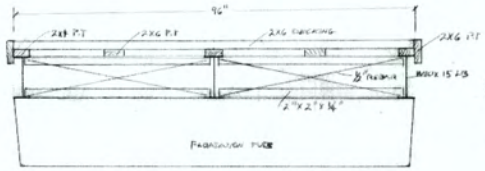
Steelhead Marine, Inc

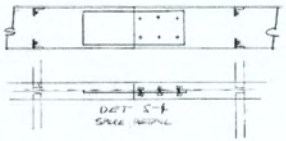


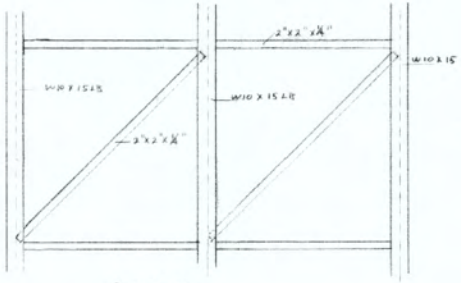




FRAME DETAILS







1" = 1'-0" SCALE

Light Transmisivity

50% open structure between float tubs and beams
75% open steel grating
38% total light yield

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