Figure 12a
South Shoreline Dredging and Capping Sections A-A' and B-B'
Final Engineering Design Report
Whatcom Waterway Cleanup in Phase 1 Site Areas

LEGEND:
- Existing Grade
- Post-Dredge Surface
- Gravel Armor/Gravel Filter Layer
- Proposed Grade
- MHHW (+8.5')
- Rock Armor Layer
- Sand Layer

Scale in Feet
Figure 12b
South Shoreline Dredging and Capping Sections C-C' and D-D'
Final Engineering Design Report
Whatcom Waterway Cleanup in Phase 1 Site Areas
Figure 13a
Central Shoreline Site Plan (Structure and Debris Removal) 1 of 2
Final Engineering Design Report
Whatcom Waterway Cleanup in Phase 1 Site Areas
Figure 14a
Central Shoreline Capping Site Plan 1 of 2
Final Engineering Design Report
Whatcom Waterway Cleanup in Phase 1 Site Areas
SOURCE: Drawing prepared from bathymetric survey provided by Wilson Engineering.


VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTE: Final locations of replaced float and pilings will be determined in coordination with WDFW and USACE.
Central Shoreline Dredging and Capping Sections A-A' and B-B'
Final Engineering Design Report
Whatcom Waterway Cleanup in Phase 1 Site Areas
Figure 15b

Central Shoreline Dredging and Capping Sections C-C' and D-D'

Final Engineering Design Report

Whatcom Waterway Cleanup in Phase 1 Site Areas
Central Shoreline Dredging and Capping Sections E-E' and F-F'

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Whatcom Waterway Cleanup in Phase 1 Site Areas

Figure 15c
NOTE:
1. Final locations of replaced float and pile will be determined in coordination with WDFW and USACE.

LEGEND:
- Existing Grade
- Post-Dredge Surface
- Gravel Armor/Gravel Filter Layer
- Proposed Grade
- MHWW (+8.5')
- MLW
- Rock Armor Layer

Figure 15d
Central Shoreline Dredging and Capping Sections G-G' and H-H'
Final Engineering Design Report
Whatcom Waterway Cleanup in Phase 1 Site Areas
Figure 16
Log Pond Capping Site Plan
Final Engineering Design Report
Whatcom Waterway Cleanup in Phase 1 Site Areas

SOURCE: Drawing prepared from bathymetric survey provided by Wilson Engineering.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

LEGEND:
- Existing Major Contour (5' Interval)
- Proposed Major Contour (5' Interval)
- Existing Minor Contour (1' Interval)
- Proposed Minor Contour (1' Interval)
- Seagrass Bed
- Structure/Shoreline Debris for Removal
- Area of Capping

SCALE IN FEET

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Log Pond Capping Sections A-A' to C-C'

Figure 17a

Log Pond Capping Sections A-A' to C-C'
Final Engineering Design Report
Whatcom Waterway Cleanup in Phase 1 Site Areas

LEGEND:
- Existing Grade
- Proposed Grade
- MHHW (HLS)
- Rock Armor Layer
- Gravel Armor/Gravel Filter Layer
- Cap Layer

Scale in Feet

![Diagram showing sections A-A', B-B', and C-C' with elevation and horizontal distance details.]

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Log Pond Capping Sections D-D' to F-F'

Figure 17b

Log Pond Capping Sections D-D' to F-F'

Final Engineering Design Report
Whatcom Waterway Cleanup in Phase 1 Site Areas

Legend:
- Existing Grade
- Proposed Grade
- Rock Armor Layer
- Gravel Armor/Gravel Filter Layer
- MHHW (+8.5')
- Cap Layer

Scale in Feet
TYPICAL DETAIL: LOG POND ENGINEERED CAP (TYPE III)

- Rock Armor Overplacement Allowance: 12"
- Rock Armor: 18"
- Gravel Filter Overplacement Allowance: 6"
- Gravel Filter: 12"
- Sand Cap Overplacement Allowance: 6"
- Sand: 24"
- Existing Grade

TYPICAL DETAIL: LOG POND SLOPE ENGINEERED CAP FRONTING BULKHEADS (TYPE III)

- Rock Armor Overplacement Allowance
- Rock Armor: 18"
- Gravel Filter Overplacement Allowance: 6"
- Gravel Filter: 12"
- Existing Grade
- Thickness Varies

TYPICAL DETAIL: LOG POND GEOTEXTILE CAP AREA (TYPE II)

- Armor Material Payable Overplacement Allowance
- Armor Material Minimum Required Thickness (Varies)
- Geotextile
- Filter Material Payable Overplacement Allowance (0.5 FT)
- Filter Material Min. Required Thickness (Varies)