Alternatives to bulkheads for private landowners

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EXISTING ANCHORED BULKHEAD SYSTEM: TIMBER PLUNGING, VINYL SHEET PLUNGING, TIMBER WALE, THREADED ROD, AND DEADMAN ANCHOR (ASSUMED, BUT NOT SEEN DURING SITE VISIT).

LOCATE ACCORDING TO PROPERTY LINE AND APPLICABLE SETBACK REQUIREMENTS

PROPOSED LIVING SHORELINE SYSTEM UTILIZING FOUR ROWS OF SAND OR ROCK-FILLED HESCO CONCERNTERS: (1) C4315, (2) C3315, AND (3) C2210.

1/2" MINIMUM STAINLESS STEEL U-BOLT WITH MATCHING WASHER AND BOLT, FIELD VERIFY FOOTPRINT.

1/2" MINIMUM STAINLESS STEEL PLATE, FIELD VERIFY EXACT LENGTH NEEDED.

PLAN: LIVING SHORELINE CONSTRUCTION

SCALE: 1" = 4' 0" (15"

APPROXIMATE PROPOSED GROUND SURFACE

REMOVING TIMBER CAP AND CUT OFF TOP OF EXISTING SHEET PLUNGING PLUS WITH TOP OF HESCO UNITS.

PLACE (2) 1/2" U-BOLTS AROUND EXISTING TIMBER PLUNGING AND CONNECT TO C4315 CONCERNTER UNITS; SEE DETAIL 3 FOR ADDITIONAL INFORMATION.

EXISTING SHEET PLUNGING, EMBEDMENT DEPTH UNKNOWN.

EXISTING TIMBER PLUNGING, EMBEDMENT DEPTH UNKNOWN.

APPROXIMATE GROUND SURFACE

APPROXIMATE INSTALLATION GROUND SURFACE

ASSUMED BASE LINE OF CONSOLIDATION

MARCH PLANTINGS: SIMILAR SPECIES TO SPARITNA AND JUNCUS DEPENDING ON ELEVATION

APPROXIMATE WATER SURFACE

SECTION: LIVING SHORELINE REPLACEMENT

SCALE: 1" = 4' 0" (15"

HESCO BASTION ENVIRONMENTAL, INC.
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PLAN VIEW, SECTION, AND DETAIL FOR REMOVAL AND INSTALLATION

03/20/12
C-01
Site Location and Plan- Fowl River 2014

Google Earth
Site Location and Plan- Fowl River 2017
Site Location and Plan - Fowl River 2017
Private living shoreline- Fowl River 2017

July 2017
Private living shoreline- Fowl River 2017
Private living shoreline - Fowl River 2017