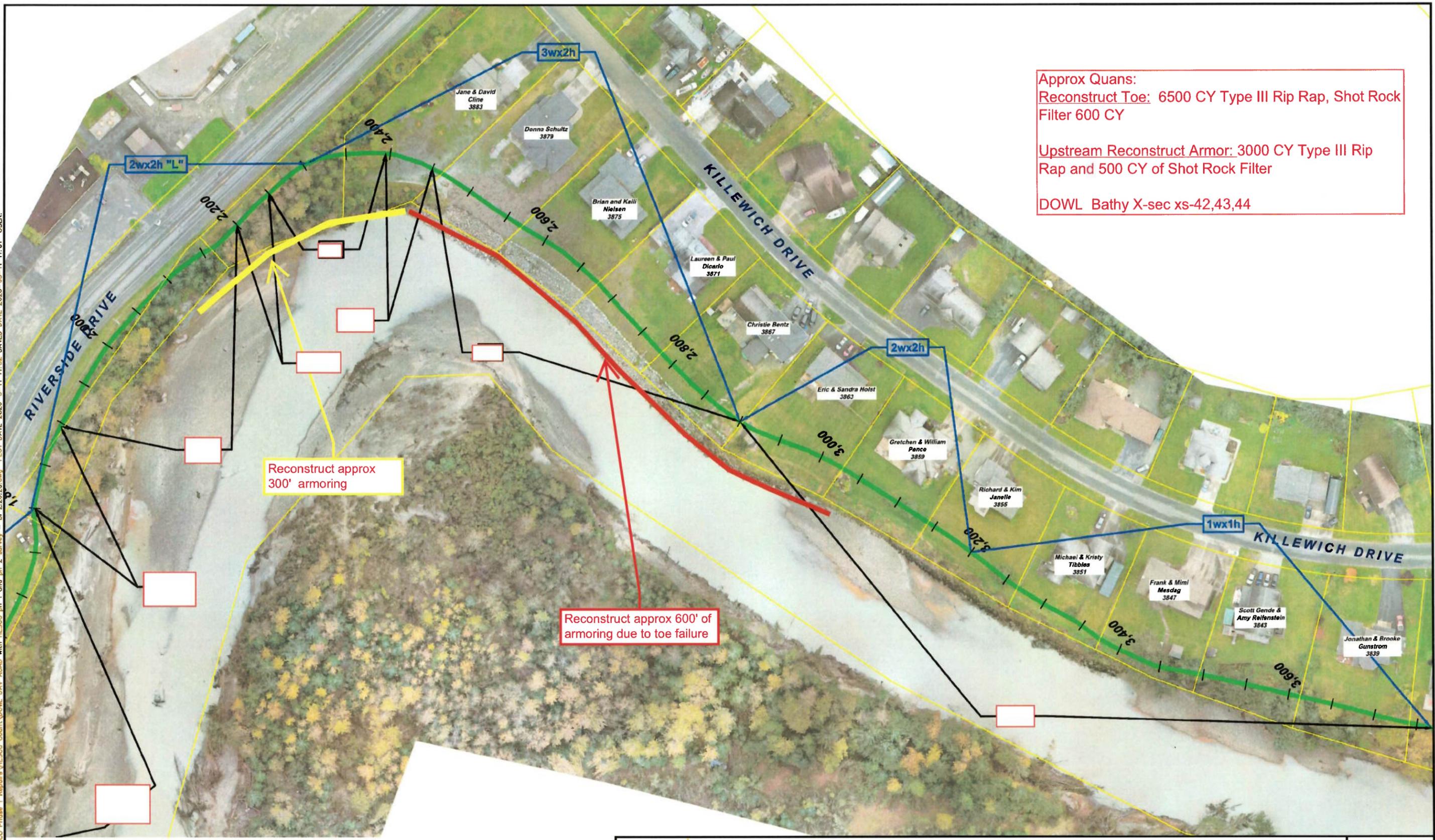


l:\Natural Disasters\HESCO Phase 1 Repairs\HESCO Count\DOWNL UAV ACAD with HESCO ph 1 and ph 2 survey - BI 2.26.26.dwg - Plot DATE 2026-3-11 11:32 SAVED DATE 2026-03-11 11:01 USER: [unclear]

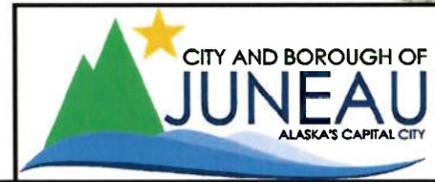


Approx Quans:
Reconstruct Toe: 6500 CY Type III Rip Rap, Shot Rock Filter 600 CY
Upstream Reconstruct Armor: 3000 CY Type III Rip Rap and 500 CY of Shot Rock Filter
DOWL Bathy X-sec xs-42,43,44

Admiralty to 4,000



LEGEND
Currently Installed
[White box with red border]

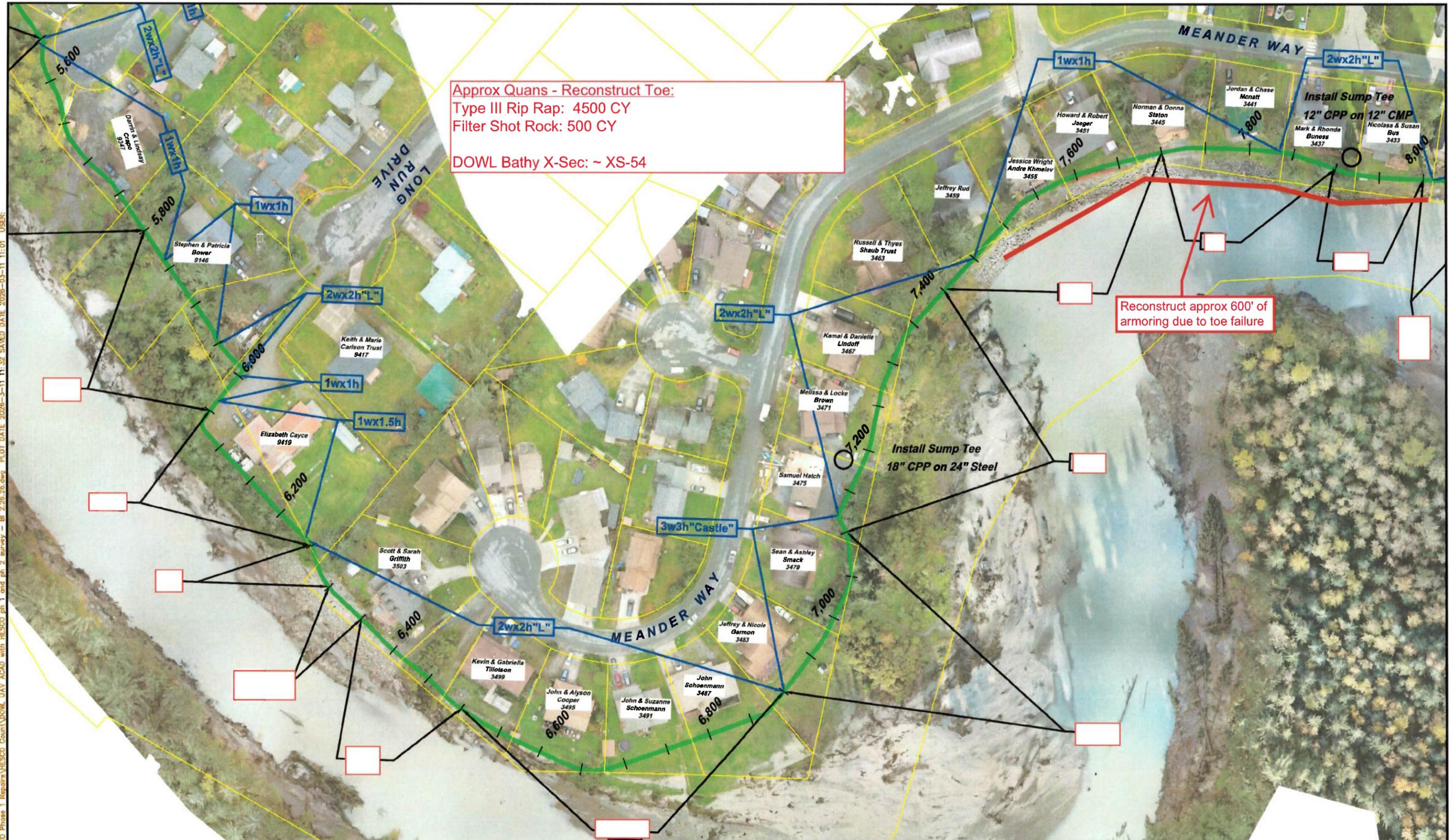


Phase 1 HESCO
Raise 2026
STA 1,800 - 3,800

MENDENHALL RIVER FLOOD MAPPING
JUNEAU, ALASKA

SHEET
1 of 5

I:\Natural Disasters\HESCO Phase 1 Repairs\HESCO Count\DOWN UAV ACAD with HESCO.plt 1 and job 2 survey - BI 2.25.25.dwg PLOT DATE 2026-3-11 11:32 SAVED DATE 2026-03-11 11:01 USER: kyle.warren



Approx Quans - Reconstruct Toe:
Type III Rip Rap: 4500 CY
Filter Shot Rock: 500 CY
DOWL Bathy X-Sec: ~ XS-54

Reconstruct approx 600' of armoring due to toe failure

North 40 to 6,000
Coogan to 11,000



LEGEND
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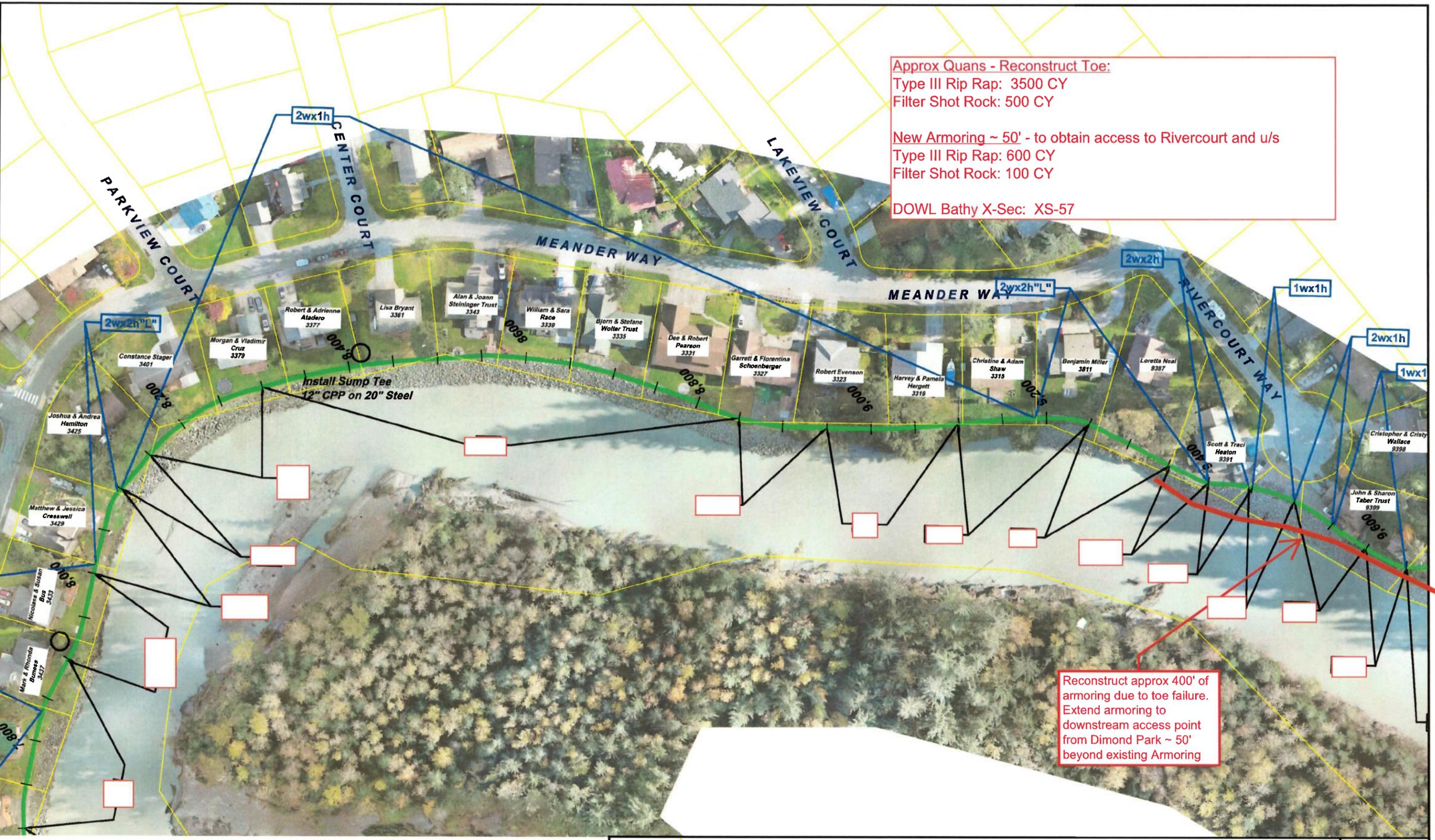


Phase 1 HESCO
Raise 2026
STA 5,800 - 8,000

MENDENHALL RIVER FLOOD MAPPING
JUNEAU, ALASKA

SHEET
2 of 5

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Approx Quans - Reconstruct Toe:
Type III Rip Rap: 3500 CY
Filter Shot Rock: 500 CY

New Armoring ~ 50' - to obtain access to Rivercourt and u/s
Type III Rip Rap: 600 CY
Filter Shot Rock: 100 CY

DOWL Bathy X-Sec: XS-57

Reconstruct approx 400' of armoring due to toe failure. Extend armoring to downstream access point from Dimond Park ~ 50' beyond existing Armoring

Coogan to 11,000



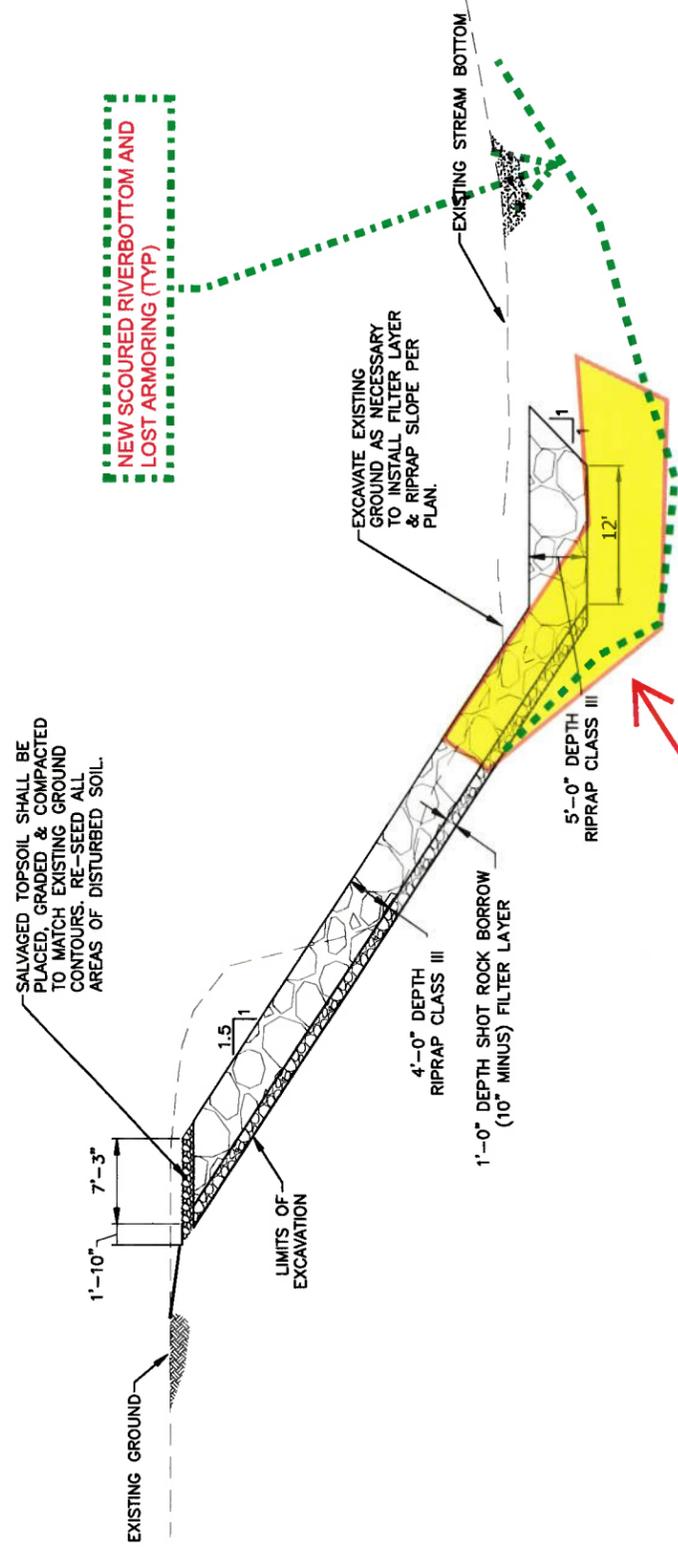
LEGEND
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Phase 1 HESCO
Raise 2026
STA 8,000 - 9,700

MENDENHALL RIVER FLOOD MAPPING
JUNEAU, ALASKA

SHEET
3 of 5



NEW SCOURED RIVERBOTTOM AND
LOST ARMORING (TYP)

SALVAGED TOPSOIL SHALL BE
PLACED, GRADED & COMPACTED
TO MATCH EXISTING GROUND
CONTOURS. RE-SEED ALL
AREAS OF DISTURBED SOIL.

LIMITS OF
EXCAVATION

4'-0" DEPTH
RIPRAP CLASS III

1'-0" DEPTH SHOT ROCK BORROW
(10" MINUS) FILTER LAYER

5'-0" DEPTH
RIPRAP CLASS III

12"

EXCAVATE EXISTING
GROUND AS NECESSARY
TO INSTALL FILTER LAYER
& RIPRAP SLOPE PER
PLAN.

EXISTING STREAM BOTTOM

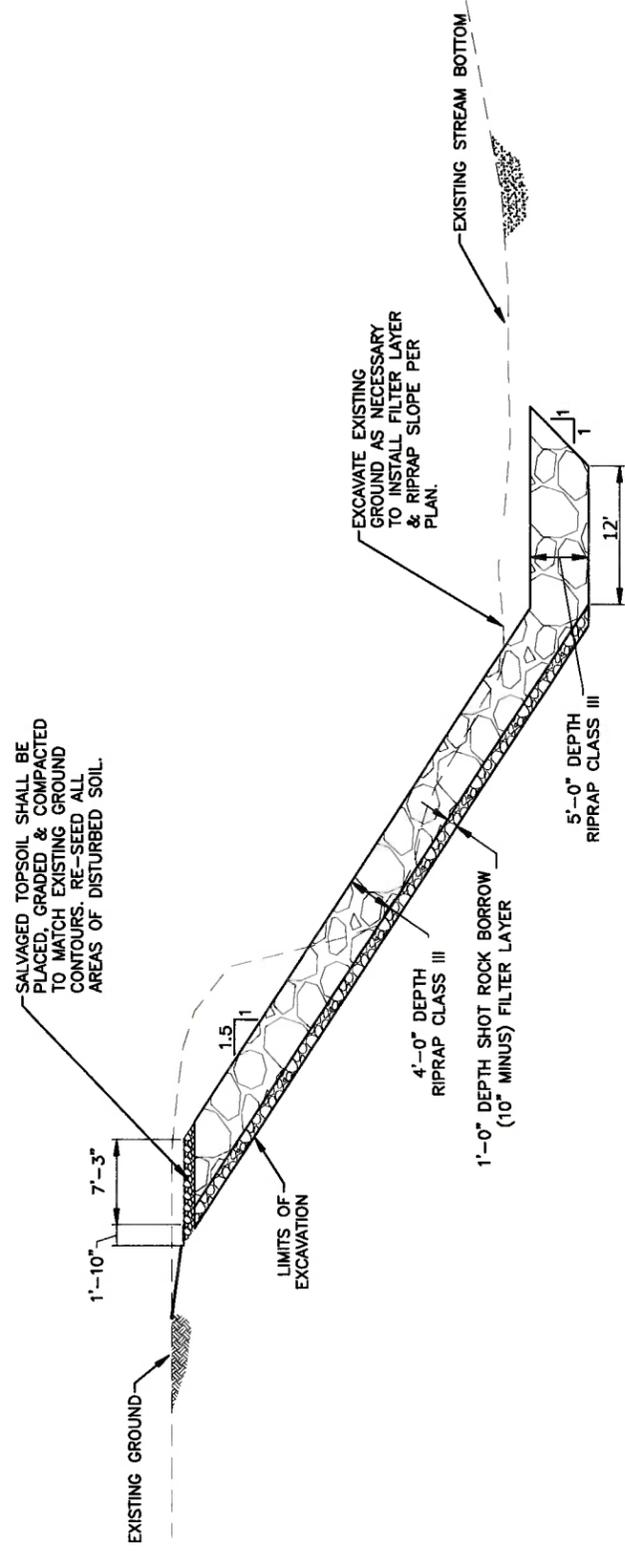
TYPICAL SECTION
NTS

Class III Rip Rap

No more than 10% of the stones by total weight shall weigh more than 1,400 pounds per piece, and no more than 15% of the stones by total weight shall weigh less than 25 pounds per piece. The stones shall be evenly graded and a minimum of 50% by weight of the stones shall weigh 700 pounds or more per piece.

REPLACE LOST ARMORING WITH NEW
CLASS III RIP RAP.
RESTORE TO EXISTING SLOPE OR 1.5h:1v
WHICHEVER IS SHALLOWER

PHASE 1 BANK ARMORING REPAIR TYPICAL SECTION



TYPICAL SECTION
NTS

Class III Rip Rap
No more than 10% of the stones by total weight shall weigh more than 1,400 pounds per piece, and no more than 15% of the stones by total weight shall weigh less than 25 pounds per piece. The stones shall be evenly graded and a minimum of 50% by weight of the stones shall weigh 700 pounds or more per piece.

PHASE 1 BANK ARMORING TYPICAL SECTION