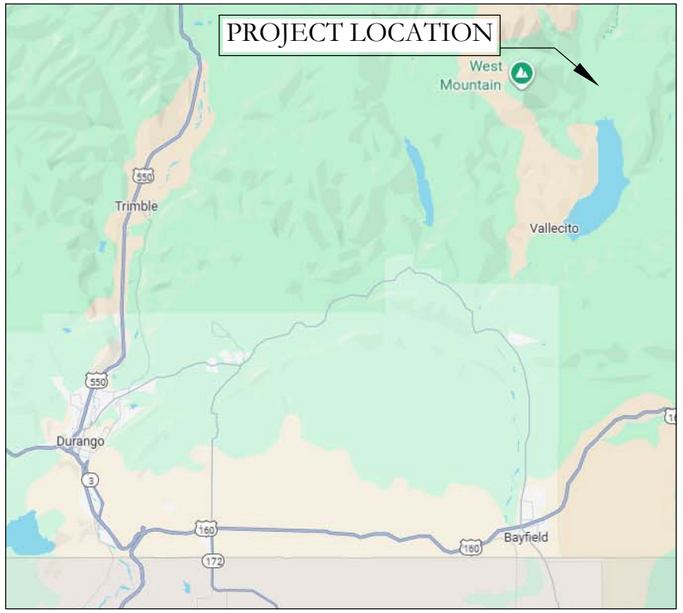
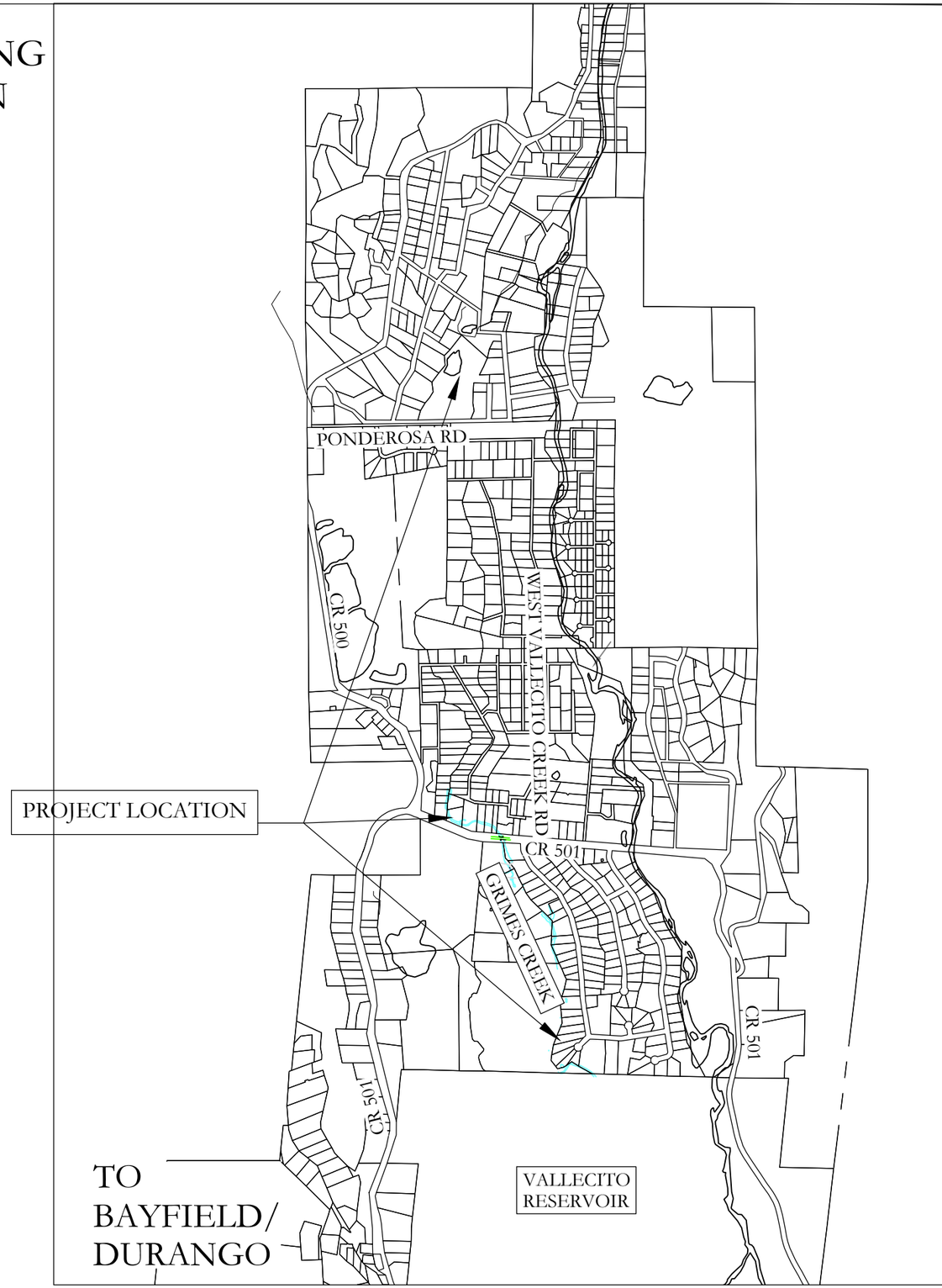
PROJECT: EWP-2025 VALLECITO FLOODING
SPONSOR: UPPER PINE FIRE PROTECTION DISTRICT



REGIONAL LOCATION

I CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, JUDGMENT, AND BELIEF, THESE PLANS MEET APPLICABLE NRCS STANDARDS.



VICINITY MAP: 1" = 1500 FT.

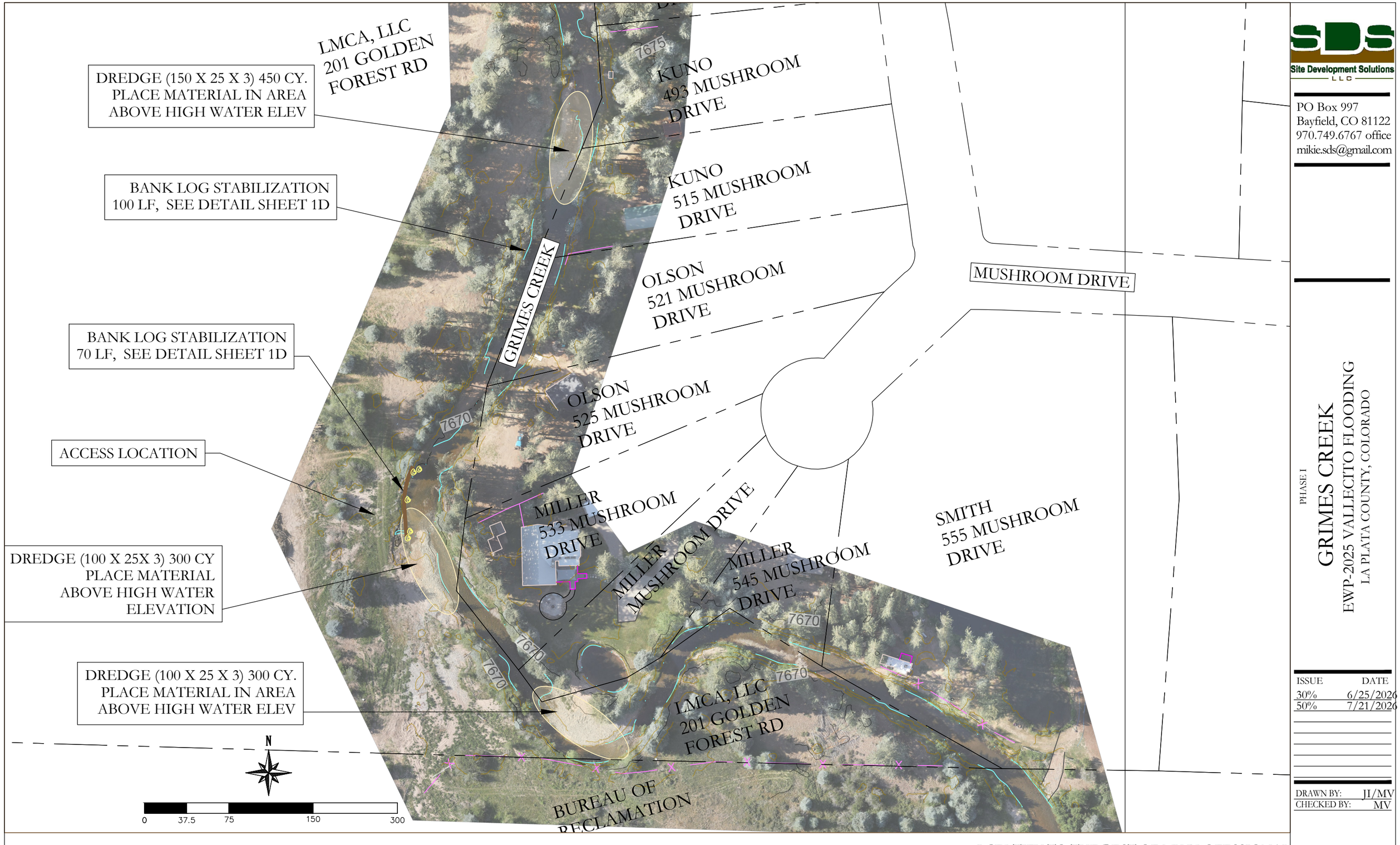
Site Development Solutions LLC
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mikie.sds@gmail.com

PHASE I
GRIMES CREEK
EWP-2025 VALLECITO FLOODING
LA PLATA COUNTY, COLORADO

ISSUE	DATE
30%	6/25/26
50%	7/21/26

DRAWN BY: MV
CHECKED BY: MV

SHEET:
Cover



SCALE IS AS SHOWN ON 11x17 SIZE SHEET
ALL OTHER SIZE SHEETS USE SCALE BAR

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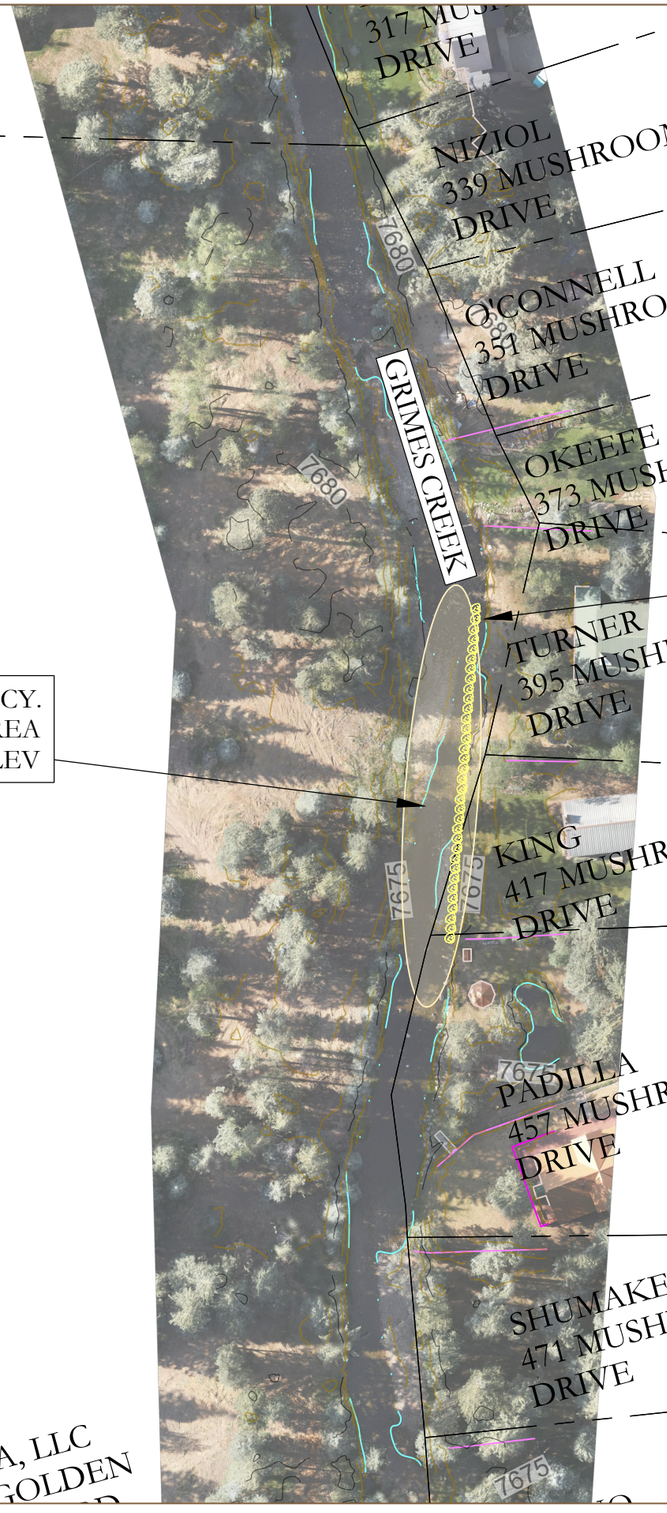
GRIMES CREEK

EWP-2025 VALLECITO FLOODING
LA PLATA COUNTY, COLORADO

ISSUE	DATE
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50%	7/21/2026

DRAWN BY: JI/MV
CHECKED BY: MV

SHEET: 1



N

0 37.5 75 150 300

SCALE IS AS SHOWN ON 11x17 SIZE SHEET
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Site Development Solutions
LLC

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SHEET: 2



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CHECKED BY: MV

SHEET: 3



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DRAWN BY: NP/MV
CHECKED BY: MV

SHEET: 4



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DRAWN BY:	NP
CHECKED BY:	MV

SHEET:
5



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PHASE I

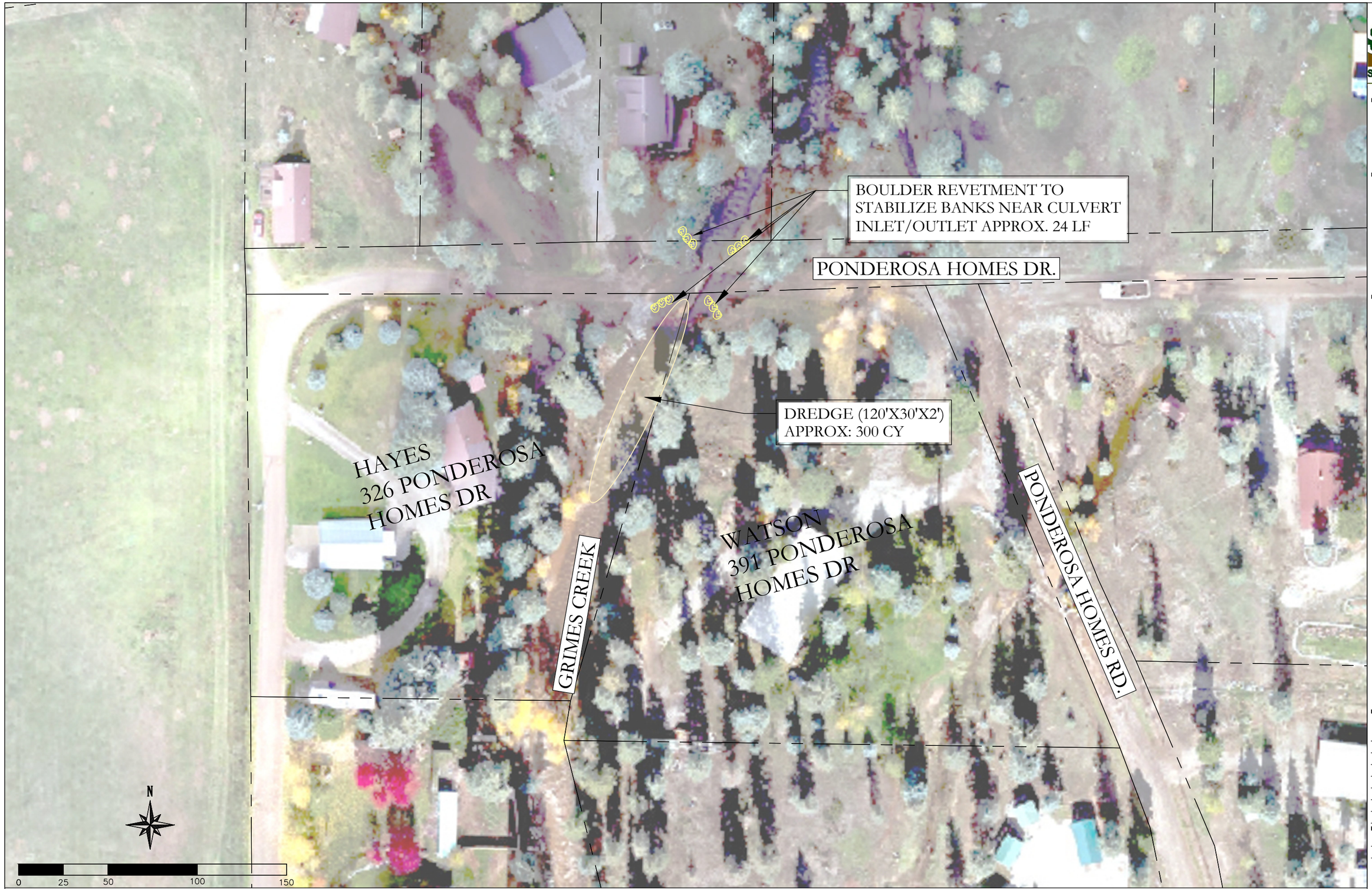
GRIMES CREEK

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CHECKED BY: MV

SHEET: 6



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DRAWN BY: MV
CHECKED BY: MV

SHEET: 7

CR 500

TRUST DR.

PIOUS PL.

WRAY
185 HOPE RD.

JORDAN, JOHNNY
LEE & LAURIE ANN
53 PIOUS PL

DREDGE MATERIAL (100'X12'X1.5')
APPROX: 70 CY

NELSON
291 PONDEROSA
RD.

HOPE ROAD

DULA
1246 CR 500

INGRESS/EGRESS ROAD

PASCOE
174 TRUST DR.

TRUST DR

DREDGE MATERIAL (100'X30'X3')
APPROX: 330 CY

BROCKMAN

GRIMES CREEK

PASCOE
174 TRUST DR

DREDGE MATERIAL (480'X30'X1')
APPROX: 530 CY

BROCKMAN
1212 CR 500

NELSON
291 PONDEROSA
RD.

ECKENRODE
90 TRUST DR

N

0 50 100 200 300

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DRAWN BY: MV
CHECKED BY: MV

SHEET: 8

NOTES:

1. EMBED THE LOWER HALF OF LOG INTO THE STREAMBANK SO THAT ONLY THE INSIDE OF LOG IS EXPOSED TO THE STREAM FLOW.

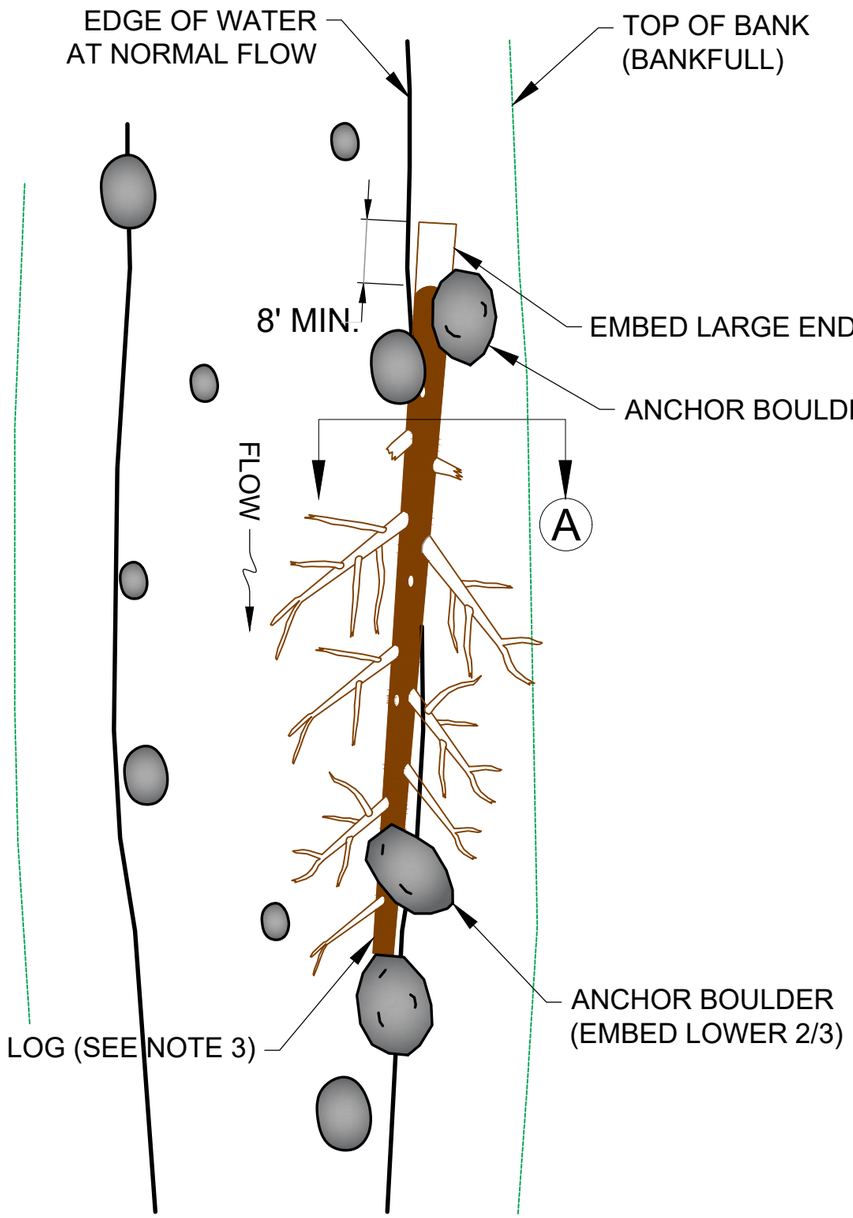
2. BACKFILL WITH ON-SITE STREAMBED AND BANK MATERIALS OBTAINED FROM REQUIRED EXCAVATION WORK OR APPROVED BORROW SOURCES.

3.USE ON-SITE MATERIALS WHEN AVAILABLE. USE A SOUND LOG FREE OF ROT WITH OR WITHOUT LIMBS. REMOVE LIMBS FROM NON-EXPOSED SIDES.

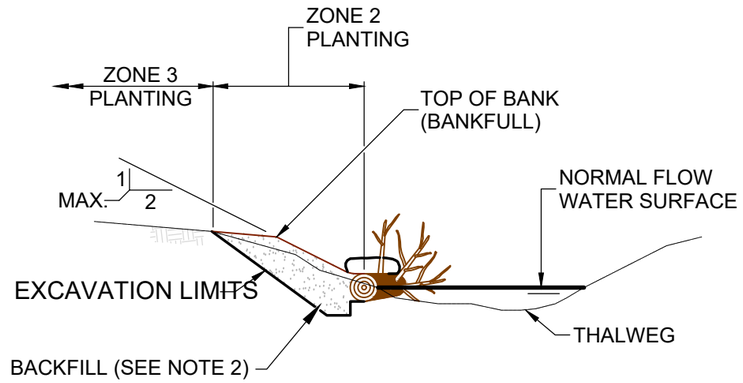
4. COMBINE WITH PLANTINGS, TRANSPLANTS, AND LIVE STAKES.

USES:

- ADD CARBON AND ORGANIC MATTER TO THE STREAM TO IMPROVE AQUATIC HABITAT.
- RIVER COMPLEXITY & ROUGHNESS
- RIPARIAN HABITAT
- SIMULATES A LOG THAT HAS NATURALLY FALLEN INTO RIVER.



PLAN



SECTION A

1

BANK LOG DETAIL

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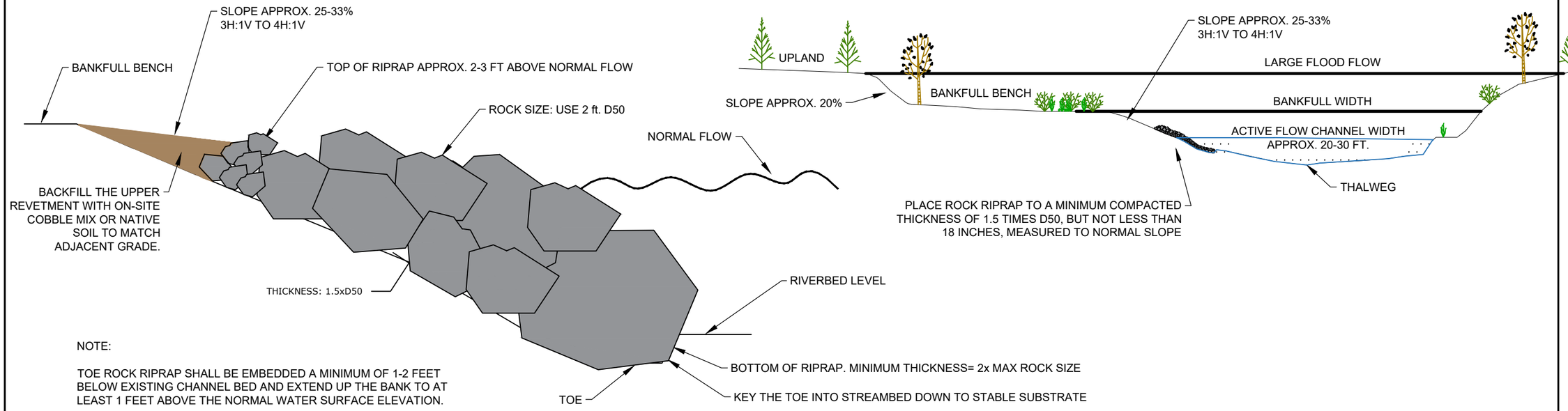
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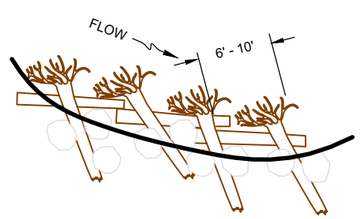
SHEET:
1D



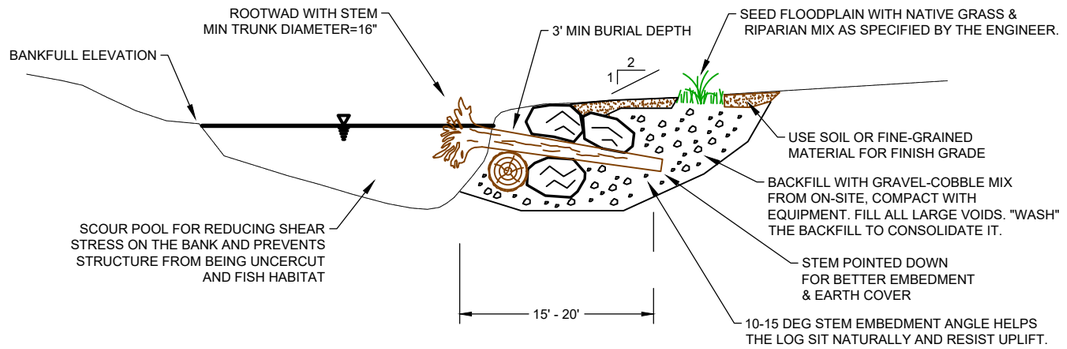
2

ROCK REVETMENT - SECTION VIEW

(NOT TO SCALE)



EXAMPLE LOG LAYOUT FOR MULTIPLE ROOTWADS ON CUTBANK SIDE



3

ROOTWAD DETAIL

(NOT TO SCALE)

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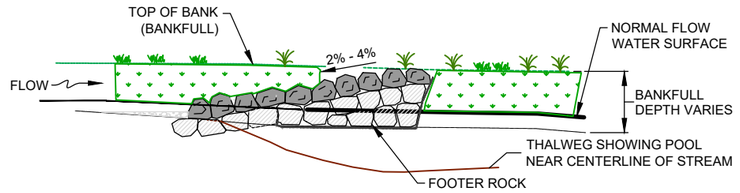
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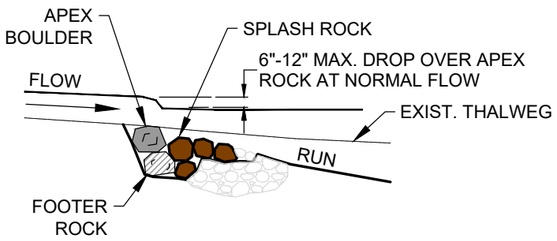
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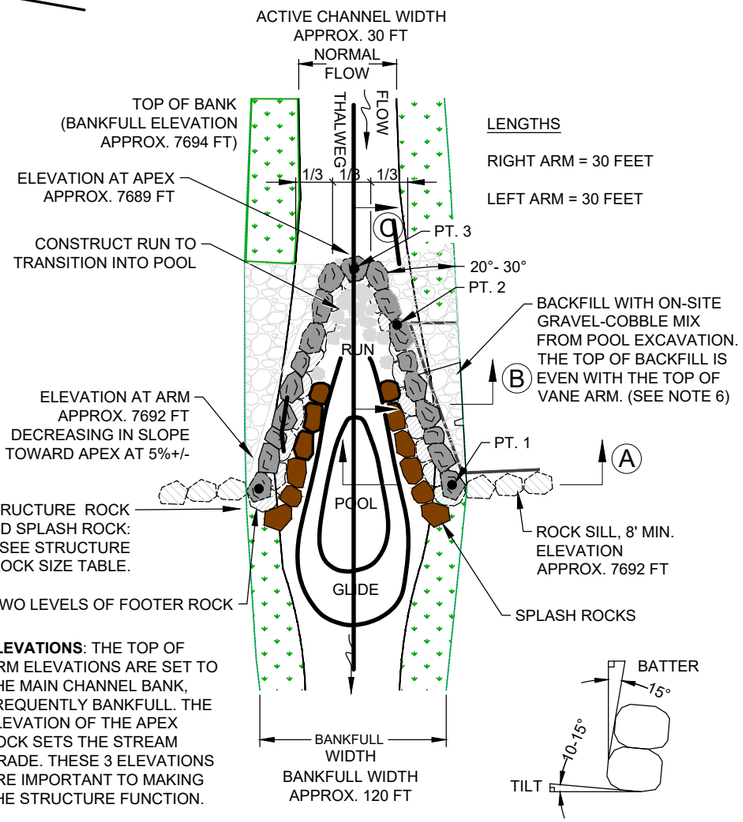
SHEET:
2D



PROFILE
(ALONG ARM)



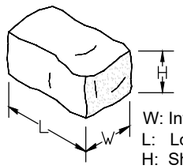
PROFILE
(AT APEX)



ELEVATIONS: THE TOP OF ARM ELEVATIONS ARE SET TO THE MAIN CHANNEL BANK, FREQUENTLY BANKFULL. THE ELEVATION OF THE APEX ROCK SETS THE STREAM GRADE. THESE 3 ELEVATIONS ARE IMPORTANT TO MAKING THE STRUCTURE FUNCTION.

PLAN VIEW

DETAIL OF VANE ARM
SHOWING BATTER AND TILT
BACK INTO THE BANK.



W: Intermediate Axis (Diameter)
L: Long Axis (Length)
H: Short Axis (Height)

STRUCTURE ROCK SIZE				
	Representative Size			
	W or Dia (Feet)	Length (Feet)	Height (Feet)	Weight (Ton)
Minimum	2.5	4.5	2.1	1.5
Average (D50)	3.0	4.8	2.4	2.0

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CROSS VANE DETAIL
(NOT TO SCALE)

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SHEET:
3D