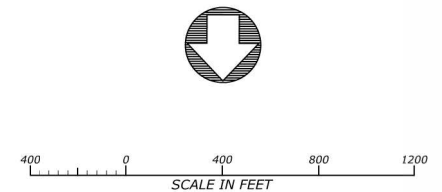


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LEGEND

- PROPERTY BOUNDARY
- == EXISTING ROAD
- PROPOSED LOW FLOW INUNDATION
- PSS WETLAND
- PEM WETLAND
- FFO WETLAND



PROPOSED CONDITIONS - LITTLE BEAR CREEK OVERVIEW



**BEAR CREEK & LITTLE BEAR CREEK-SAUSAGE
FISH HABITAT RESTORATION PROJECT**

80% DESIGN DRAWINGS

GRANDE RONDE MODEL WATERSHED
BEAR CREEK
GRANDE RONDE RIVER BASIN, OREGON

**WORKING DRAFT
FOR REVIEW AND
REVISION**

DATE: 10/15/2025
DESIGNED: JF, RR, ZS, MG
APPROVED: JF

DRAWING NAME
PROPOSED CONDITIONS

**LITTLE BEAR CREEK
OVERVIEW**

DRAWING NO.
C4
SHEET 12 OF 57

BEAR CREEK & LITTLE BEAR CREEK-SAUVAGE FISH HABITAT RESTORATION PROJECT
80% DESIGN DRAWINGS
GRANDE RONDE MODEL WATERSHED
BEAR CREEK
GRANDE RONDE RIVER BASIN, OREGON

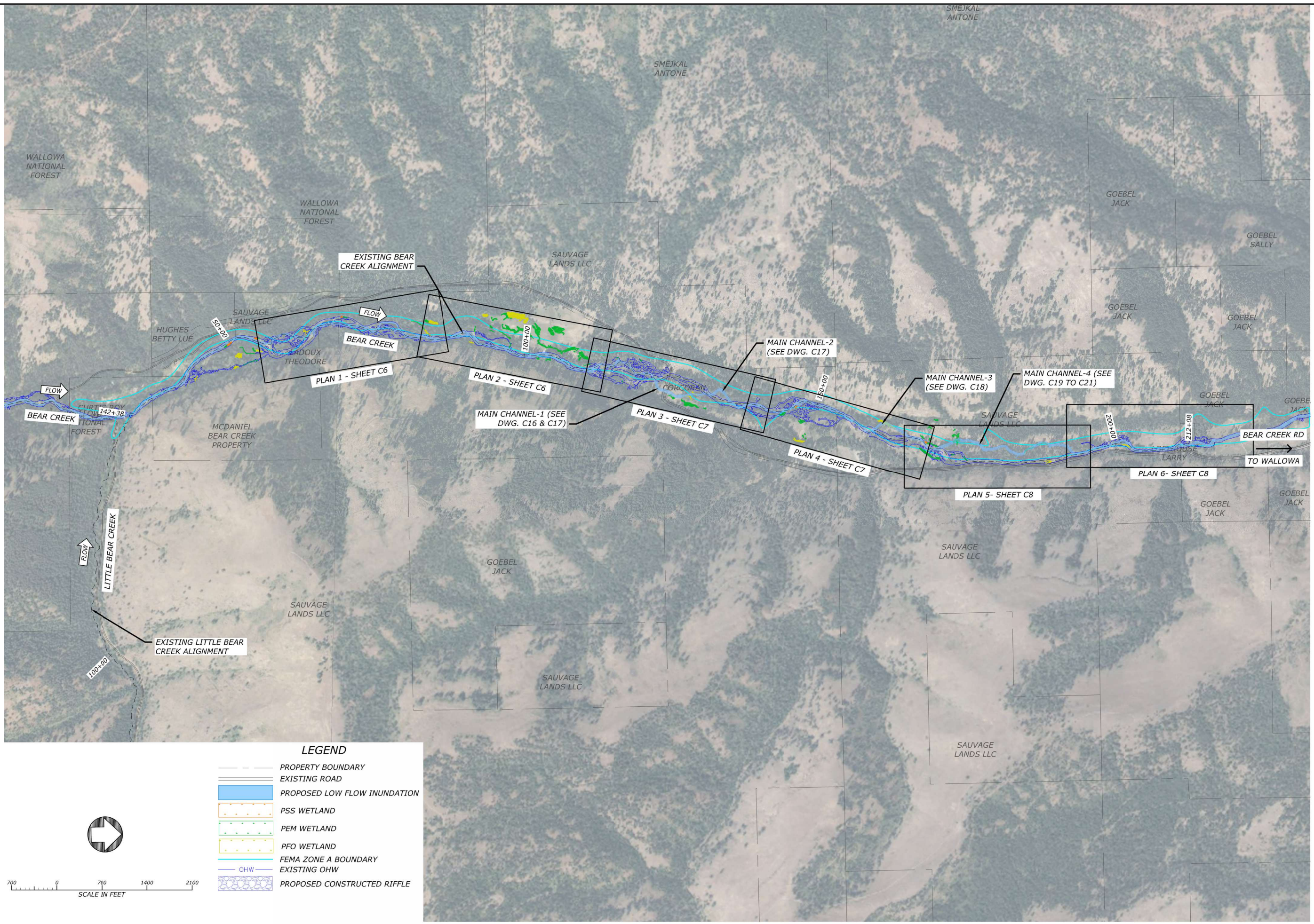
WORKING DRAFT FOR REVIEW AND REVISION

DATE: 10/15/2025
DESIGNED: JF, RR, ZS, MG
APPROVED: JF

DRAWING NAME
PROPOSED CONDITIONS

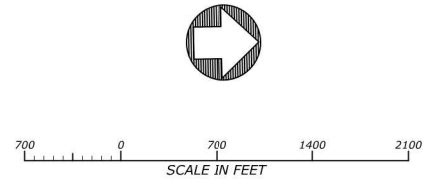
BEAR CREEK OVERVIEW

DRAWING NO.
C5
SHEET 13 OF 57



LEGEND

	PROPERTY BOUNDARY
	EXISTING ROAD
	PROPOSED LOW FLOW INUNDATION
	PSS WETLAND
	PEM WETLAND
	PFO WETLAND
	FEMA ZONE A BOUNDARY
	EXISTING OHW
	PROPOSED CONSTRUCTED RIFFLE



PROPOSED CONDITIONS - BEAR CREEK OVERVIEW

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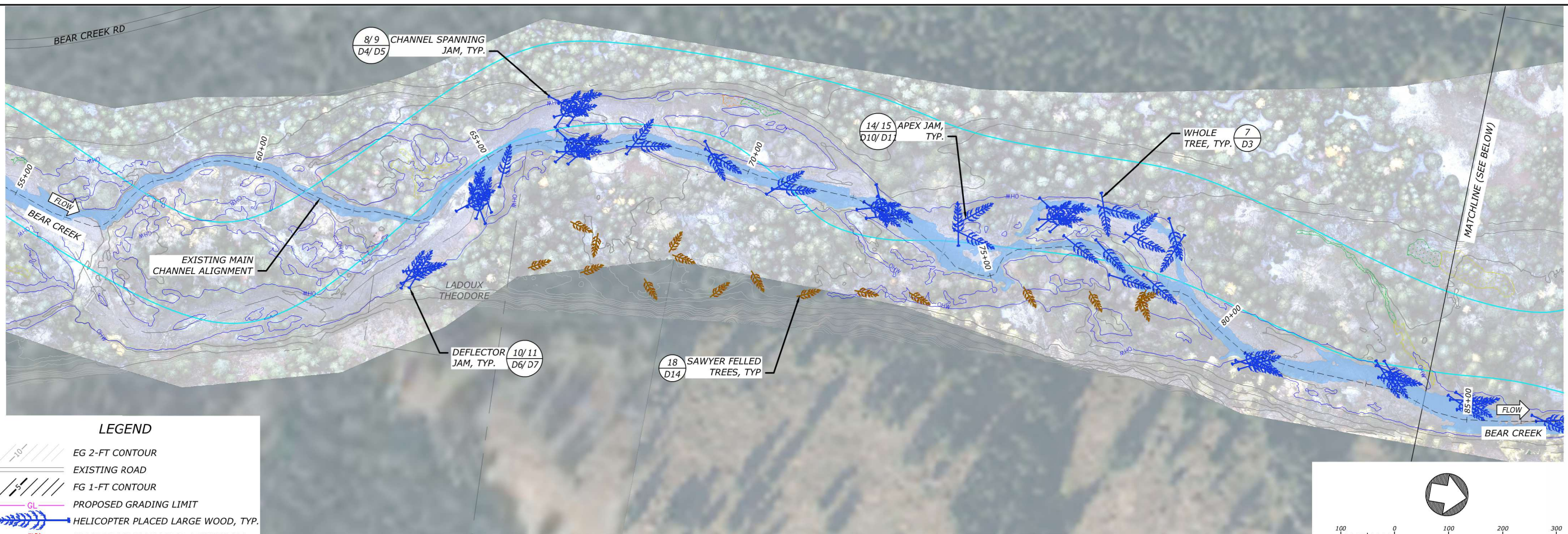
WORKING DRAFT FOR REVIEW AND REVISION

DATE: 10/15/2025
DESIGNED: JF, RR, ZS, MG
APPROVED: JF

DRAWING NAME
PROPOSED CONDITIONS

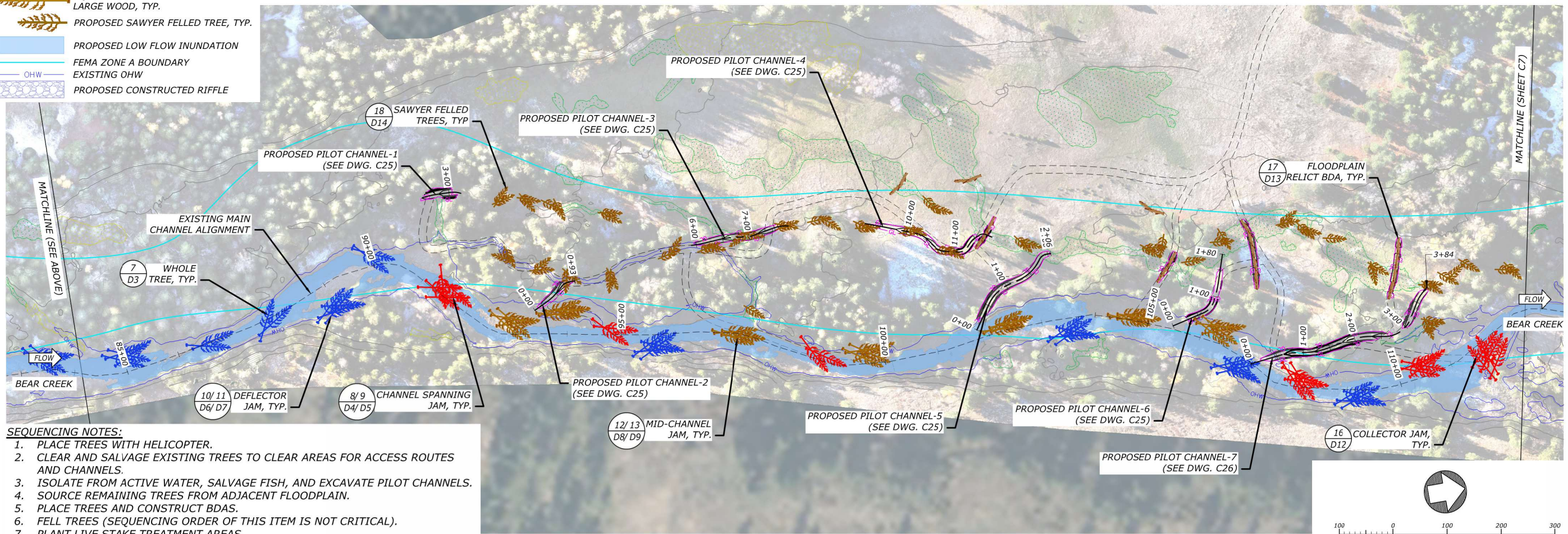
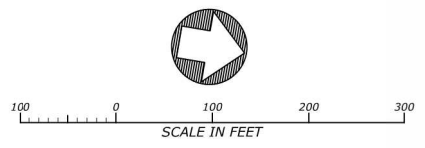
PLAN 1

DRAWING NO.
C6
SHEET 14 OF 57

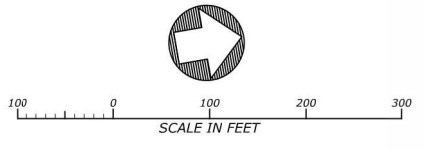


PROPOSED CONDITIONS - PLAN 1

- LEGEND**
- EG 2-FT CONTOUR
 - EXISTING ROAD
 - FG 1-FT CONTOUR
 - PROPOSED GRADING LIMIT
 - HELICOPTER PLACED LARGE WOOD, TYP.
 - HELICOPTER DELIVERED, EQUIPMENT PLACED LARGE WOOD, TYP.
 - EQUIPMENT SOURCED AND PLACED LARGE WOOD, TYP.
 - PROPOSED SAWYER FELLED TREE, TYP.
 - PROPOSED LOW FLOW INUNDATION
 - FEMA ZONE A BOUNDARY
 - EXISTING OHW
 - PROPOSED CONSTRUCTED RIFFLE



PROPOSED CONDITIONS - PLAN 2



- SEQUENCING NOTES:**
1. PLACE TREES WITH HELICOPTER.
 2. CLEAR AND SALVAGE EXISTING TREES TO CLEAR AREAS FOR ACCESS ROUTES AND CHANNELS.
 3. ISOLATE FROM ACTIVE WATER, SALVAGE FISH, AND EXCAVATE PILOT CHANNELS.
 4. SOURCE REMAINING TREES FROM ADJACENT FLOODPLAIN.
 5. PLACE TREES AND CONSTRUCT BDAS.
 6. FELL TREES (SEQUENCING ORDER OF THIS ITEM IS NOT CRITICAL).
 7. PLANT LIVE STAKE TREATMENT AREAS.
 8. DECOMPACT, SEED, AND MULCH ACCESS ROUTES AND STAGING AREAS.

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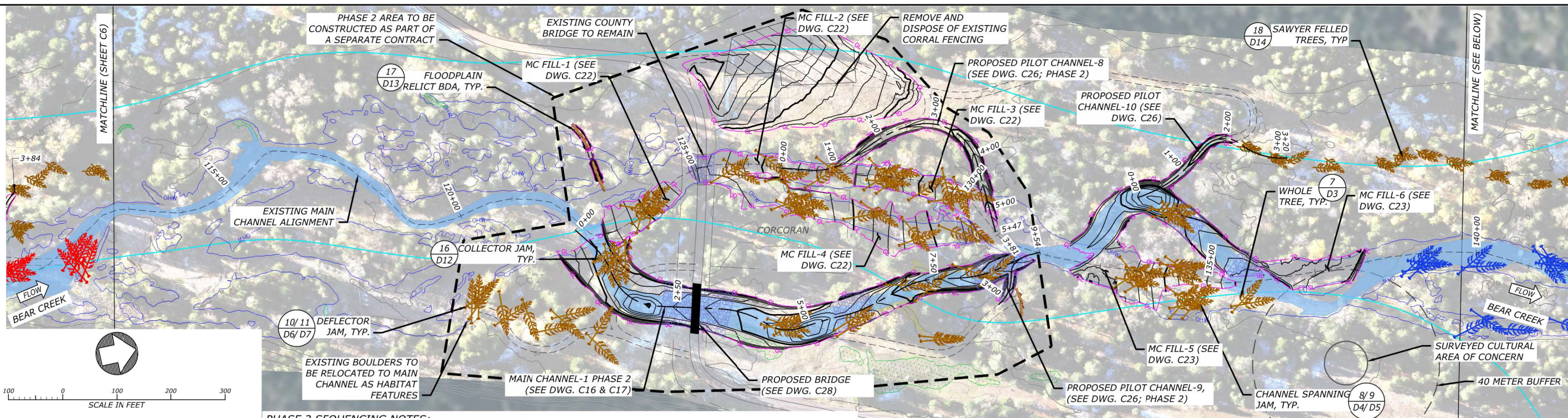
WORKING DRAFT FOR REVIEW AND REVISION

DATE: 10/15/2025
 DESIGNED: JF, RR, ZS, MG
 APPROVED: JF

DRAWING NAME
 PROPOSED CONDITIONS

PLAN 2

DRAWING NO.
C7
 SHEET 15 OF 57

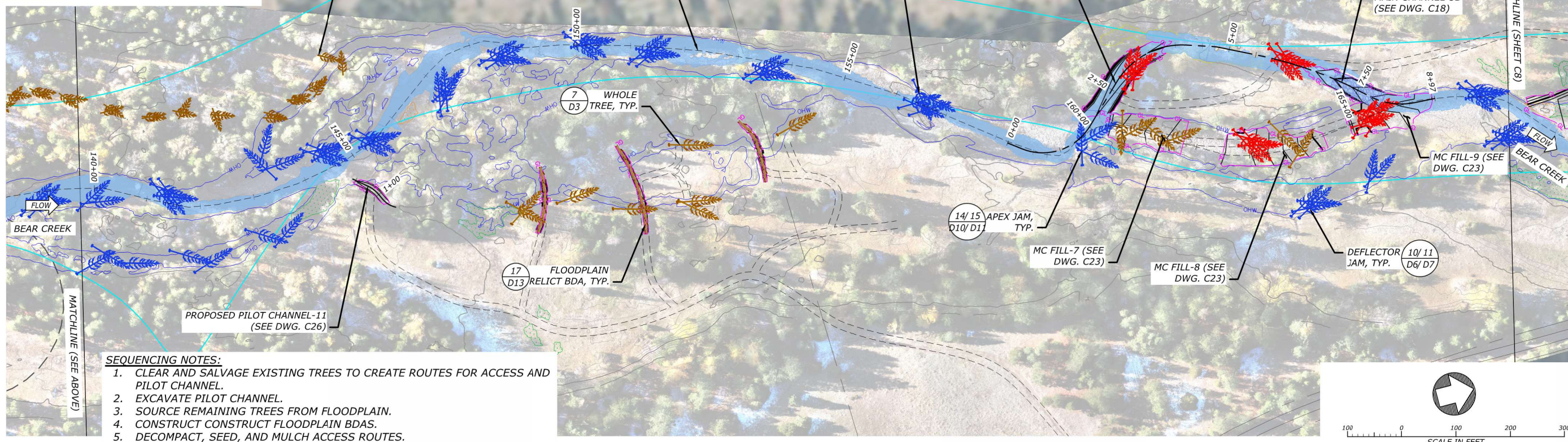


- LEGEND**
- EG 2-FT CONTOUR
 - EXISTING ROAD
 - FG 1-FT CONTOUR
 - PROPOSED GRADING LIMIT
 - HELICOPTER PLACED LARGE WOOD, TYP.
 - HELICOPTER DELIVERED, EQUIPMENT PLACED LARGE WOOD, TYP.
 - EQUIPMENT SOURCED AND PLACED LARGE WOOD, TYP.
 - PROPOSED SAWYER FELLED TREE, TYP.
 - PROPOSED LOW FLOW INUNDATION
 - FEMA ZONE A BOUNDARY
 - EXISTING OHW
 - PROPOSED CONSTRUCTED RIFFLE

- PHASE 2 SEQUENCING NOTES:**
1. CLEAR AND SALVAGE EXISTING TREES TO CLEAR AREAS FOR ACCESS ROUTES, AND CHANNEL GRADING.
 2. EXCAVATE FLOODPLAIN AND PROPOSED MAIN CHANNEL WHILE LEAVING DISCONNECTED FROM LIVE WATER.
 3. SOURCE REMAINING TREES FROM WEST VALLEY SLOPE.
 4. PLACE TREES IN THE PROPOSED MAIN CHANNEL.
 5. GRADE THE ROAD, SET THE ABUTMENTS, AND PLACE THE BRIDGE.
 6. PLACE COFFERDAMS UPSTREAM AND DOWNSTREAM OF THE PROPOSED MAIN CHANNEL AND EXCAVATE CONNECTIONS TO THE EXISTING CHANNEL.
 7. REMOVE THE COFFERDAMS TO ACTIVATE THE PROPOSED MAIN CHANNEL.
 8. COFFERDAM THE EXISTING MAIN CHANNEL TO DIVERT ALL FLOW INTO THE PROPOSED MAIN CHANNEL.
 9. EXCAVATE PILOT CHANNEL.
 10. PLACE CHANNEL FILL AND TREES.
 11. PULL COFFERDAM.
 12. DECOMPACT, SEED, AND MULCH ACCESS ROUTES AND STAGING AREA.

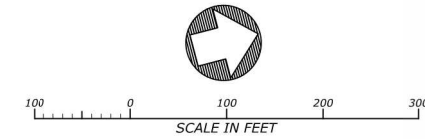
PROPOSED CONDITIONS - PLAN 3

- PHASE 1 SEQUENCING NOTES:**
1. CLEAR AND SALVAGE EXISTING TREES TO CLEAR AREAS FOR ACCESS ROUTES, AND CHANNEL GRADING.
 2. EXCAVATE PROPOSED CHANNELS WHILE LEAVING DISCONNECTED FROM LIVE WATER.
 3. PLACE TREES IN THE PROPOSED CHANNEL.
 4. PLACE COFFERDAMS UPSTREAM AND DOWNSTREAM OF THE PROPOSED MAIN CHANNEL AND EXCAVATE CONNECTION TO THE EXISTING CHANNEL.
 5. REMOVE THE COFFERDAMS TO ACTIVATE THE PROPOSED MAIN CHANNEL.
 6. COFFERDAM THE EXISTING MAIN CHANNEL TO DIVERT ALL FLOW INTO THE PROPOSED MAIN CHANNEL.
 7. PLACE CHANNEL FILL AND TREES.
 8. PULL COFFERDAM.
 9. DECOMPACT, SEED, AND MULCH ACCESS ROUTES UP TO PHASE 2 BOUNDARY.



- SEQUENCING NOTES:**
1. CLEAR AND SALVAGE EXISTING TREES TO CREATE ROUTES FOR ACCESS AND PILOT CHANNEL.
 2. EXCAVATE PILOT CHANNEL.
 3. SOURCE REMAINING TREES FROM FLOODPLAIN.
 4. CONSTRUCT CONSTRUCT FLOODPLAIN BDAS.
 5. DECOMPACT, SEED, AND MULCH ACCESS ROUTES.

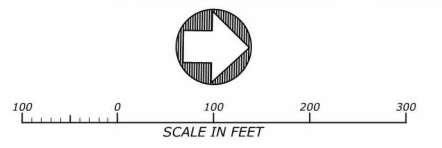
PROPOSED CONDITIONS - PLAN 4



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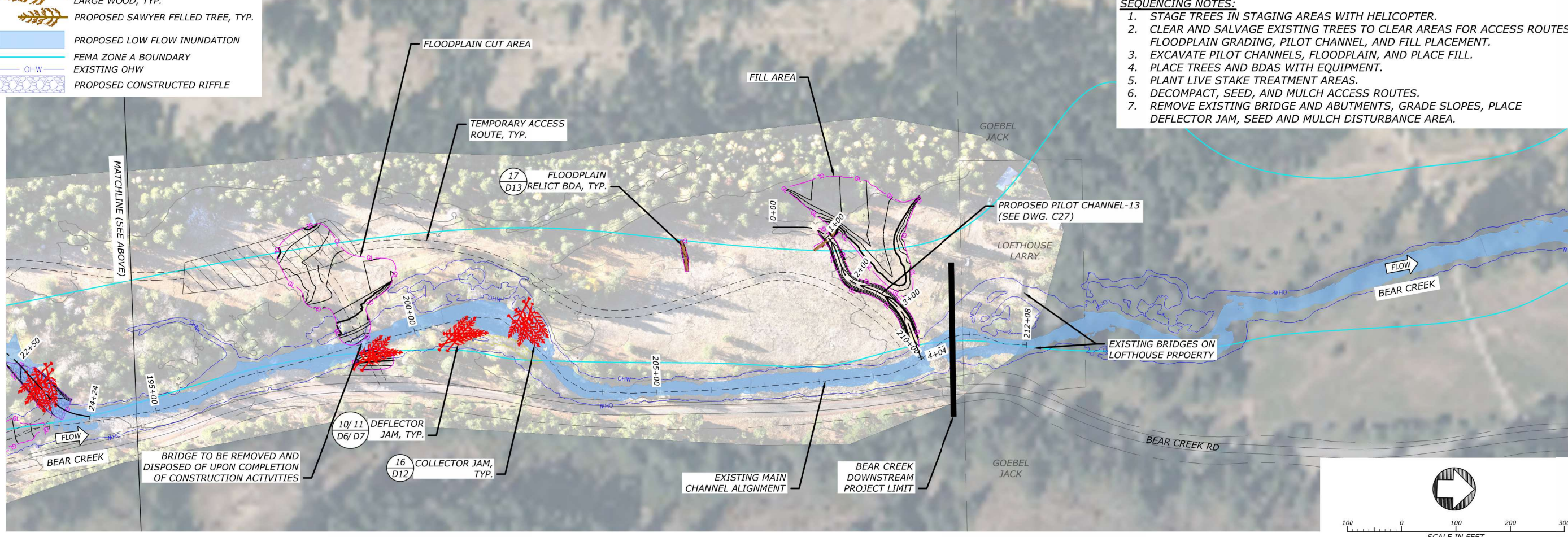


- LEGEND**
- EG 2-FT CONTOUR
 - EXISTING ROAD
 - FG 1-FT CONTOUR
 - PROPOSED GRADING LIMIT
 - HELICOPTER PLACED LARGE WOOD, TYP.
 - HELICOPTER DELIVERED, EQUIPMENT PLACED LARGE WOOD, TYP.
 - EQUIPMENT SOURCED AND PLACED LARGE WOOD, TYP.
 - PROPOSED SAWYER FELLED TREE, TYP.
 - PROPOSED LOW FLOW INUNDATION
 - FEMA ZONE A BOUNDARY
 - EXISTING OHW
 - PROPOSED CONSTRUCTED RIFFLE

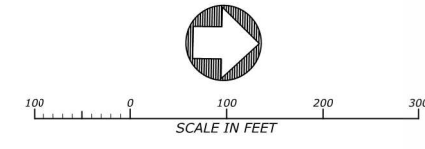


PROPOSED CONDITIONS - PLAN 5

- SEQUENCING NOTES:**
1. PLACE TREES WITH HELICOPTER.
 2. STAGE TREES IN STAGING AREAS WITH HELICOPTER.
 3. CLEAR AND SALVAGE EXISTING TREES TO CLEAR AREAS FOR ACCESS AND CHANNELS.
 4. EXCAVATE FLOODPLAIN, PILOT CHANNELS AND PROPOSED MAIN CHANNEL WHILE LEAVING DISCONNECTED FROM LIVE WATER.
 5. PLACE TREES IN PROPOSED CHANNELS WITH EQUIPMENT.
 6. PLACE COFFERDAMS UPSTREAM AND DOWNSTEAM OF THE PROPOSED MAIN CHANNEL AND EXCAVATE CONNECTIONS TO THE EXISTING CHANNEL.
 7. REMOVE THE COFFERDAMS TO ACTIVATE THE PROPOSED MAIN CHANNEL.
 8. COFFERDAM THE EXISTING MAIN CHANNEL TO DIVERT ALL FLOW INTO THE PROPOSED MAIN CHANNEL AND SALVAGE FISH.
 9. PLACE CHANNEL FILL AND TREES IN THE DEWATERED EXISTING CHANNEL.
 10. DECOMPACT, SEED, AND MULCH ACCESS ROUTES AND STAGING AREAS.



- SEQUENCING NOTES:**
1. STAGE TREES IN STAGING AREAS WITH HELICOPTER.
 2. CLEAR AND SALVAGE EXISTING TREES TO CLEAR AREAS FOR ACCESS ROUTES, FLOODPLAIN GRADING, PILOT CHANNEL, AND FILL PLACEMENT.
 3. EXCAVATE PILOT CHANNELS, FLOODPLAIN, AND PLACE FILL.
 4. PLACE TREES AND BDAS WITH EQUIPMENT.
 5. PLANT LIVE STAKE TREATMENT AREAS.
 6. DECOMPACT, SEED, AND MULCH ACCESS ROUTES.
 7. REMOVE EXISTING BRIDGE AND ABUTMENTS, GRADE SLOPES, PLACE DEFLECTOR JAM, SEED AND MULCH DISTURBANCE AREA.



PROPOSED CONDITIONS - PLAN 6



BEAR CREEK & LITTLE BEAR CREEK-SAUSAGE FISH HABITAT RESTORATION PROJECT

80% DESIGN DRAWINGS

GRANDE RONDE MODEL WATERSHED
BEAR CREEK
GRANDE RONDE RIVER BASIN, OREGON

WORKING DRAFT FOR REVIEW AND REVISION

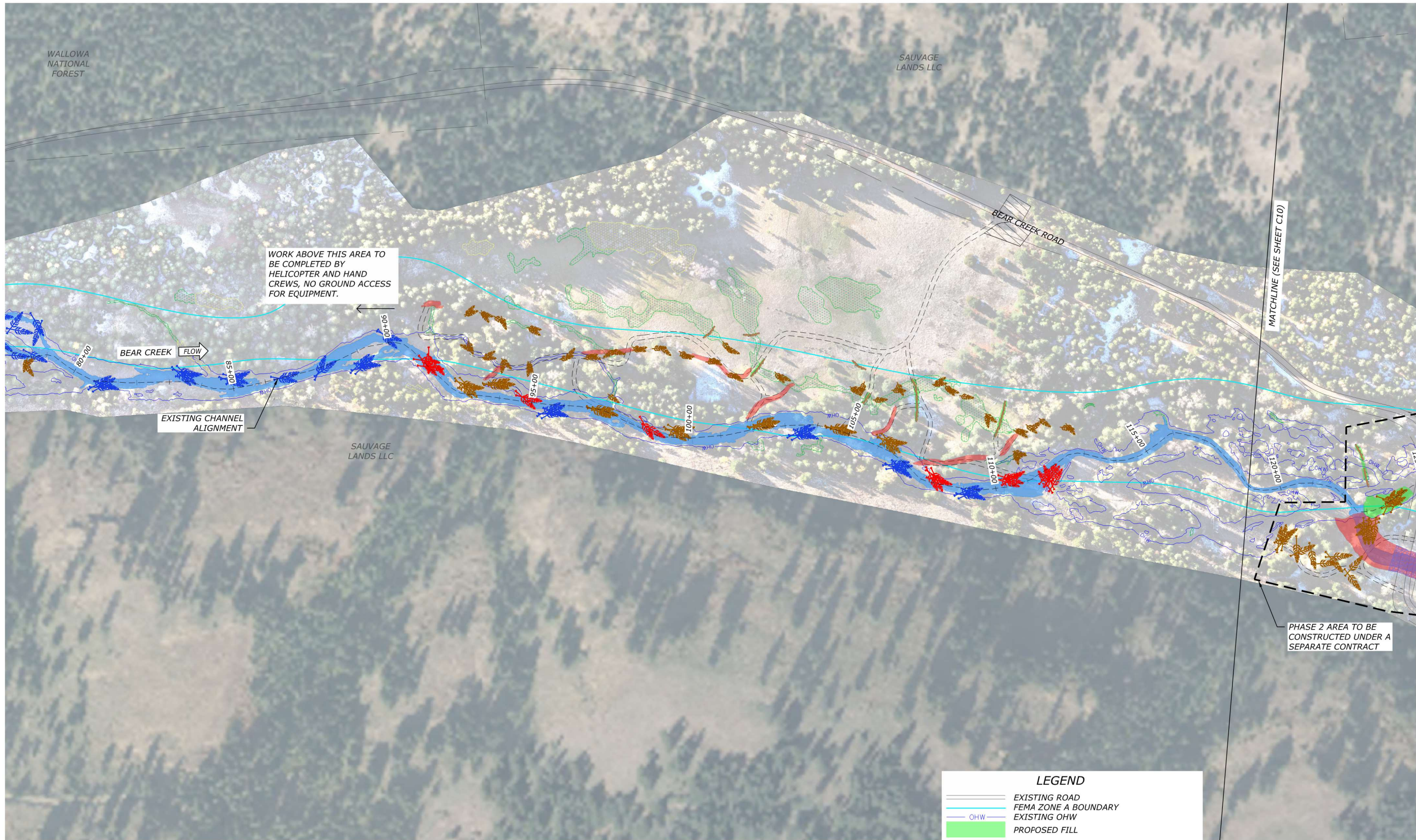
DATE: 10/15/2025
DESIGNED: JF, RR, ZS, MG
APPROVED: JF

DRAWING NAME
PROPOSED CONDITIONS

PLAN 3

DRAWING NO.
C8
SHEET 16 OF 57

FILE: R:\PROJECTS\WALLOVA_HUC1431\BEAR_CR_ODEW\CAD\PRODUCTION\BEAR-CREEK-PROPOSEDCONDITIONS.DWG. SAVED BY: ZACH SUDMAN. PLOT DATE: 10/14/2025 4:26 PM

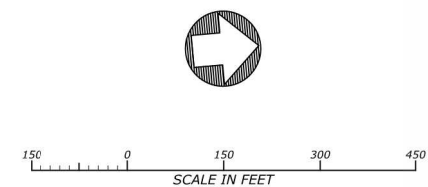


ACCESS NOTES

1. ACCESS ROUTES SHALL BE STAKED FOR APPROVAL BY THE C.O.R. PRIOR TO ESTABLISHMENT AS SHOWN ON THE DRAWINGS AND SHALL BE WITHIN THE GRADING LIMITS (LIMITS OF DISTURBANCE) TO THE GREATEST EXTENT PRACTICABLE.
2. CONTRACTOR SHALL AVOID CREATING MULTIPLE ACCESS ROUTES PARALLEL TO EACH OTHER UNLESS STAKED BY THE CONTRACTOR AND APPROVED BY THE CONTRACTING OFFICER.
3. STAGING AND STOCKPILE AREAS SHALL BE STAKED PRIOR TO ESTABLISHMENT AND SHALL BE LOCATED WITHIN THE GRADING LIMITS TO THE GREATEST EXTENT POSSIBLE.
4. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, ALL ACCESS ROADS, STAGING AREAS, STOCKPILE AREAS, AND AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL AT A MINIMUM BE RIPPED TO A MINIMUM DEPTH OF 8-INCHES TO DECOMPACT THE DISTURBED GROUND, SEEDED, AND MULCHED. THE C.O.R. HAS FINAL APPROVAL OF THE RECLAMATION EFFORT ASSOCIATED WITH THE ACCESS, STAGING, AND STOCKPILE AREAS.

PROPOSED CONDITIONS - ACCESS & STAGING PLAN-1

LEGEND	
	EXISTING ROAD
	FEMA ZONE A BOUNDARY
	EXISTING OHW
	PROPOSED FILL
	PROPOSED CUT
	STAGING & STOCKPILING AREA
	TEMPORARY ACCESS ROUTE
	HELICOPTER PLACED LARGE WOOD, TYP.
	HELICOPTER DELIVERED, EQUIPMENT PLACED LARGE WOOD, TYP.
	EQUIPMENT SOURCED AND PLACED LARGE WOOD, TYP.
	PROPOSED SAWYER FELLED TREE, TYP.
	PROPOSED LOW FLOW INUNDATION



BEAR CREEK & LITTLE BEAR CREEK-SAUVAGE FISH HABITAT RESTORATION PROJECT

80% DESIGN DRAWINGS

GRANDE RONDE MODEL WATERSHED
BEAR CREEK
GRANDE RONDE RIVER BASIN, OREGON

WORKING DRAFT FOR REVIEW AND REVISION

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DRAWING NAME
PROPOSED CONDITIONS

ACCESS & STAGING PLAN-1

DRAWING NO.
C9
SHEET 17 OF 57