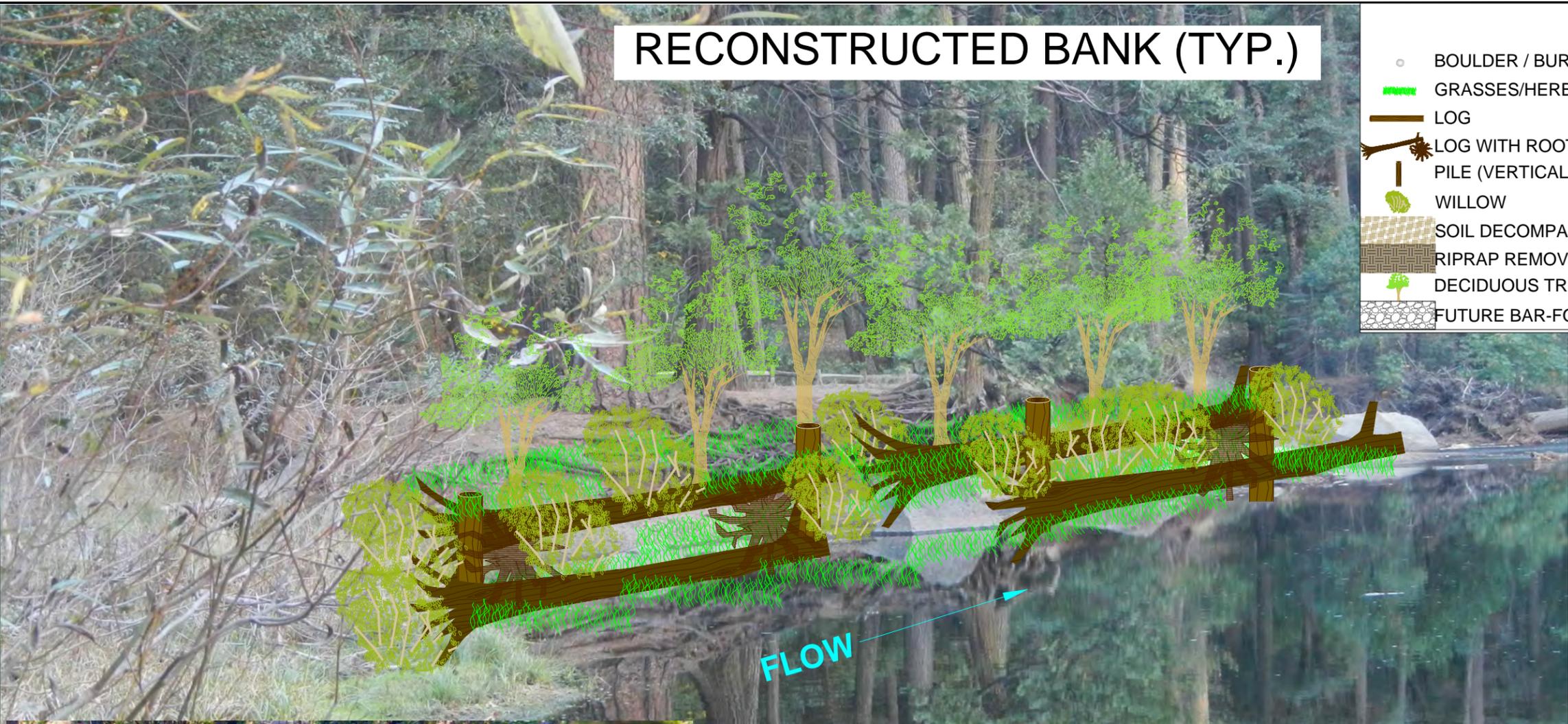


RECONSTRUCTED BANK (TYP.)

LEGEND	
	BOULDER / BURIED BOULDER
	GRASSES/HERBACEOUS VEGETATION
	LOG
	LOG WITH ROOTWAD ATTACHED
	PILE (VERTICAL LOG)
	WILLOW
	SOIL DECOMPACTION/AMENDMENT
	RIPRAP REMOVAL AND SOIL DECOMPACTION/AMENDMENT
	DECIDUOUS TREE (COTTONWOOD / WHITE ALDER)
	FUTURE BAR-FORMATION



POST-CONSTRUCTION EXAMPLE
(1 YEAR AFTER CONSTRUCTION)



BEFORE

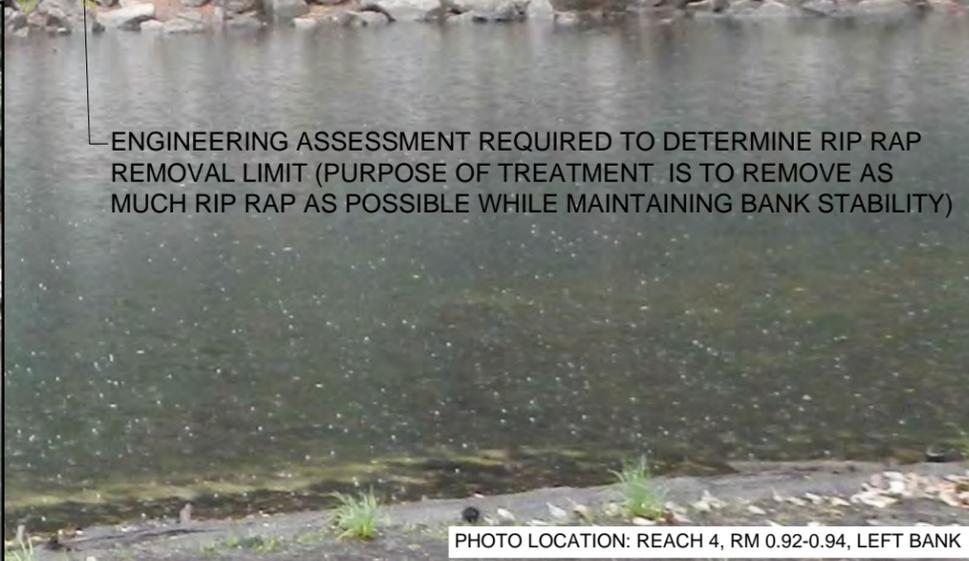
PHOTO LOCATION: REACH 3, RM 0.39-0.41, LEFT BANK

NOTES:
 1. DRAWINGS ARE CONCEPT-LEVEL ONLY AND SHOULD NOT BE REFERENCED FOR CONSTRUCTION LOCATIONS, EXTENTS, OR QUANTITIES.
 2. BEFORE AND AFTER PHOTOS REPRESENT EXAMPLES OF GENERAL TREATMENT LOCATIONS. TREATMENT TYPES ARE NOT CONSTRAINED TO LOCATIONS SHOWN IN PHOTOS. REFERENCE APPENDIX A FOR SPECIFIC TREATMENT IMPLEMENTATION LOCATIONS.

P:\DWG\2020\2021\11 - RM - Andre M...
 11/11/2021 11:11 AM
 11/11/2021 11:11 AM
 11/11/2021 11:11 AM

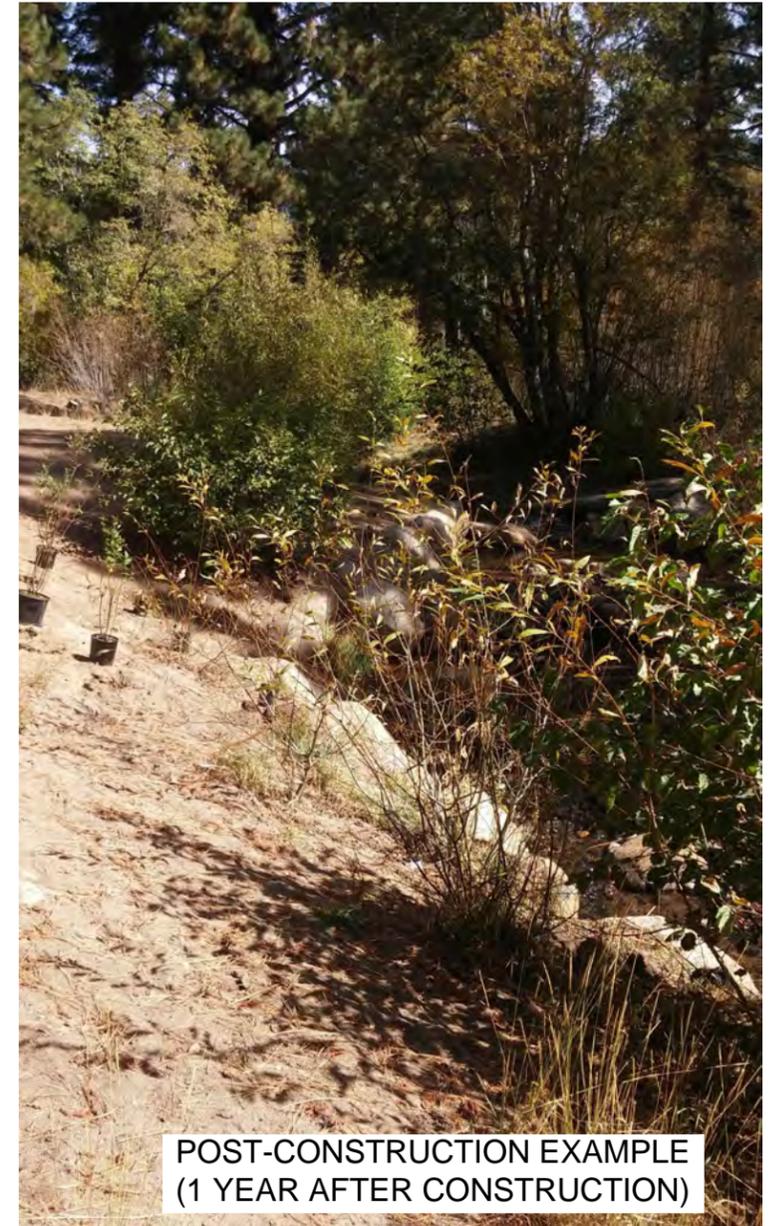
SELECTIVE RIPRAP REMOVAL (TYP.)

LEGEND	
	BOULDER / BURIED BOULDER
	GRASSES/HERBACEOUS VEGETATION
	LOG
	LOG WITH ROOTWAD ATTACHED
	PILE (VERTICAL LOG)
	WILLOW
	SOIL DECOMPACTION/AMENDMENT
	RIPRAP REMOVAL AND SOIL DECOMPACTION/AMENDMENT
	DECIDUOUS TREE (COTTONWOOD / WHITE ALDER)
	FUTURE BAR-FORMATION



ENGINEERING ASSESSMENT REQUIRED TO DETERMINE RIP RAP REMOVAL LIMIT (PURPOSE OF TREATMENT IS TO REMOVE AS MUCH RIP RAP AS POSSIBLE WHILE MAINTAINING BANK STABILITY)

PHOTO LOCATION: REACH 4, RM 0.92-0.94, LEFT BANK



POST-CONSTRUCTION EXAMPLE (1 YEAR AFTER CONSTRUCTION)

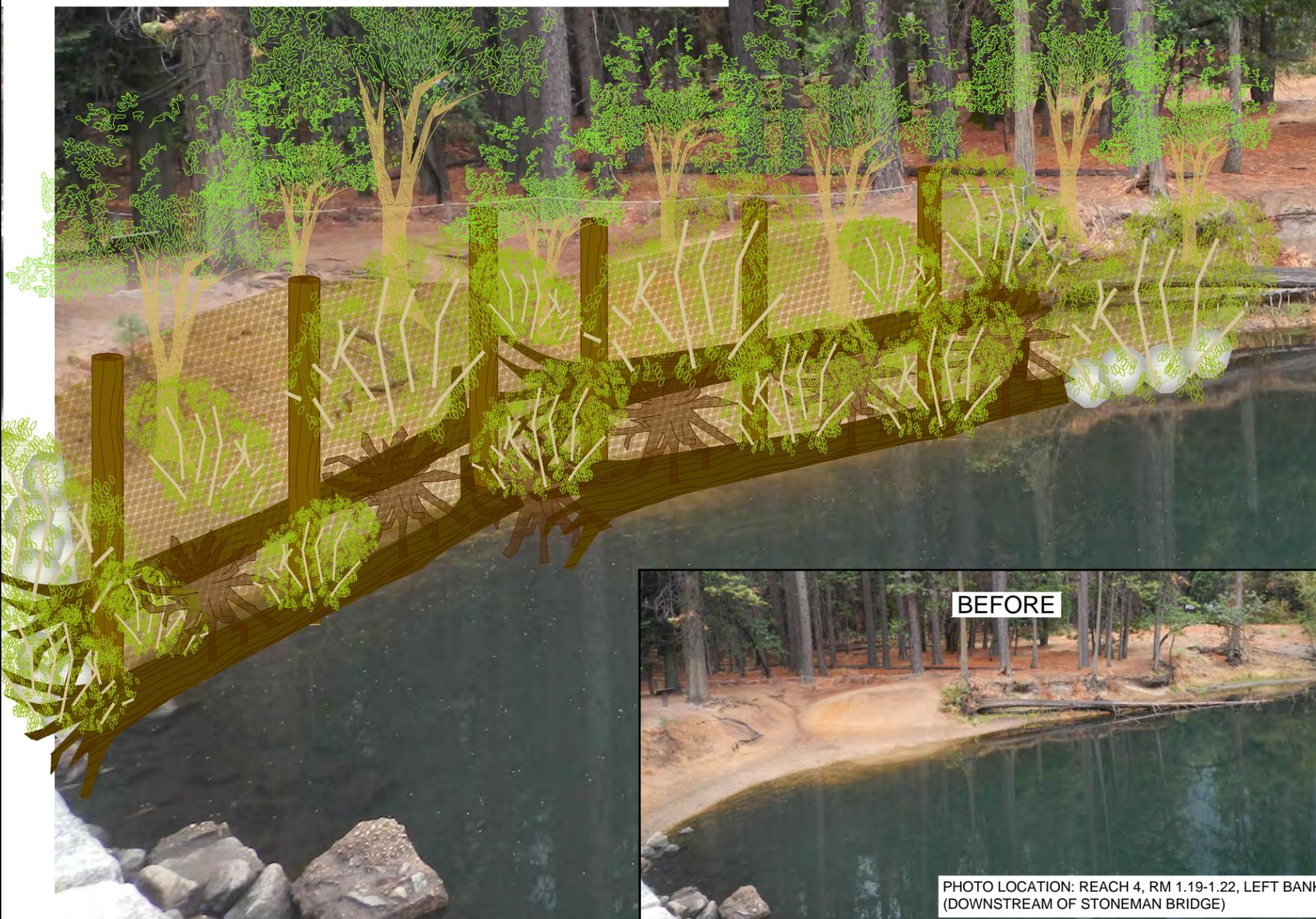
NOTES:
 1. DRAWINGS ARE CONCEPT-LEVEL ONLY AND SHOULD NOT BE REFERENCED FOR CONSTRUCTION LOCATIONS, EXTENTS, OR QUANTITIES.
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PREPARED BY: CARDNO CONSULTANTS, INC. FOR THE CALIFORNIA DEPARTMENT OF WATER RESOURCES, SACRAMENTO DISTRICT OFFICE, SACRAMENTO, CALIFORNIA. DATE: 08/20/2015.

LEGEND

-  BOULDER / BURIED BOULDER
-  GRASSES/HERBACEOUS VEGETATION
-  LOG
-  LOG WITH ROOTWAD ATTACHED
-  PILE (VERTICAL LOG)
-  WILLOW
-  SOIL DECOMPACTION/AMENDMENT
-  RIPRAP REMOVAL AND SOIL DECOMPACTION/AMENDMENT
-  DECIDUOUS TREE (COTTONWOOD / WHITE ALDER)
-  FUTURE BAR-FORMATION

CRIB STRUCTURE (TYP.)



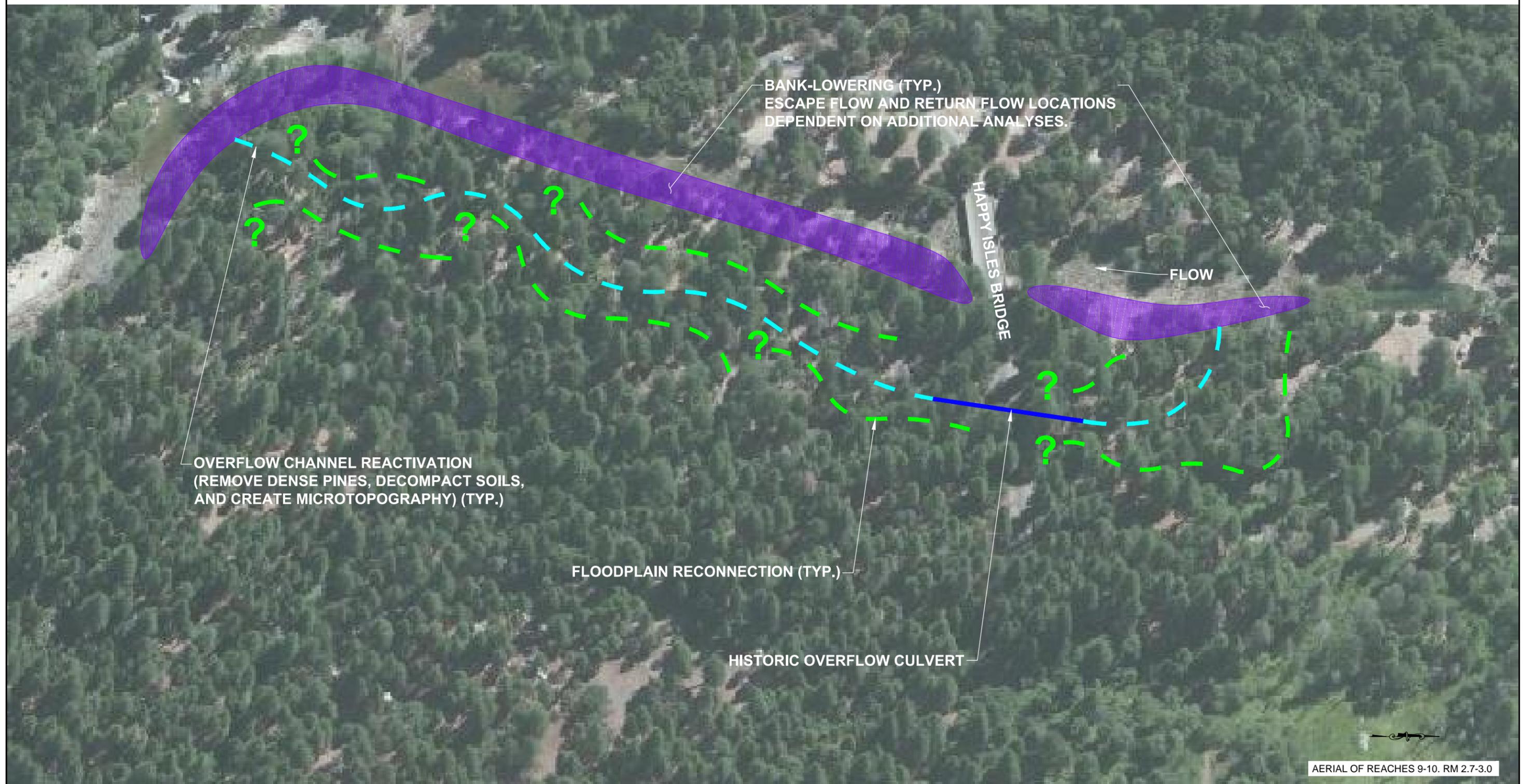
CONSTRUCTION SEQUENCE EXAMPLE



P:\0125\10250125111 - RM - Andrei Marin
 1. 11/11/2025 10:11 AM
 2. 11/11/2025 10:11 AM
 3. 11/11/2025 10:11 AM

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BANK LOWERING WITH FLOODPLAIN RECONNECTION AND OVERFLOW CHANNEL REACTIVATION (TYP.)



OVERFLOW CHANNEL REACTIVATION
(REMOVE DENSE PINES, DECOMPACT SOILS,
AND CREATE MICROTOPOGRAPHY) (TYP.)

BANK-LOWERING (TYP.)
ESCAPE FLOW AND RETURN FLOW LOCATIONS
DEPENDENT ON ADDITIONAL ANALYSES.

FLOODPLAIN RECONNECTION (TYP.)

HISTORIC OVERFLOW CULVERT

HAPPY ISLES BRIDGE

FLOW

AERIAL OF REACHES 9-10. RM 2.7-3.0

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