River Restoration & Wetland Mitigation Project

Uncompahgre River South of Ridgway, CO

Ouray County, Colorado

Submitted By:

Ridgway River Development, LLC

PROJECT LOCATION

LOCATION MAP

Index of Drawings

1. Cover Sheet
2. Restoration & Mitigation Plan
3. River Restoration Details
4. Wetland Mitigation Details

Riverbend Engineering, LLC
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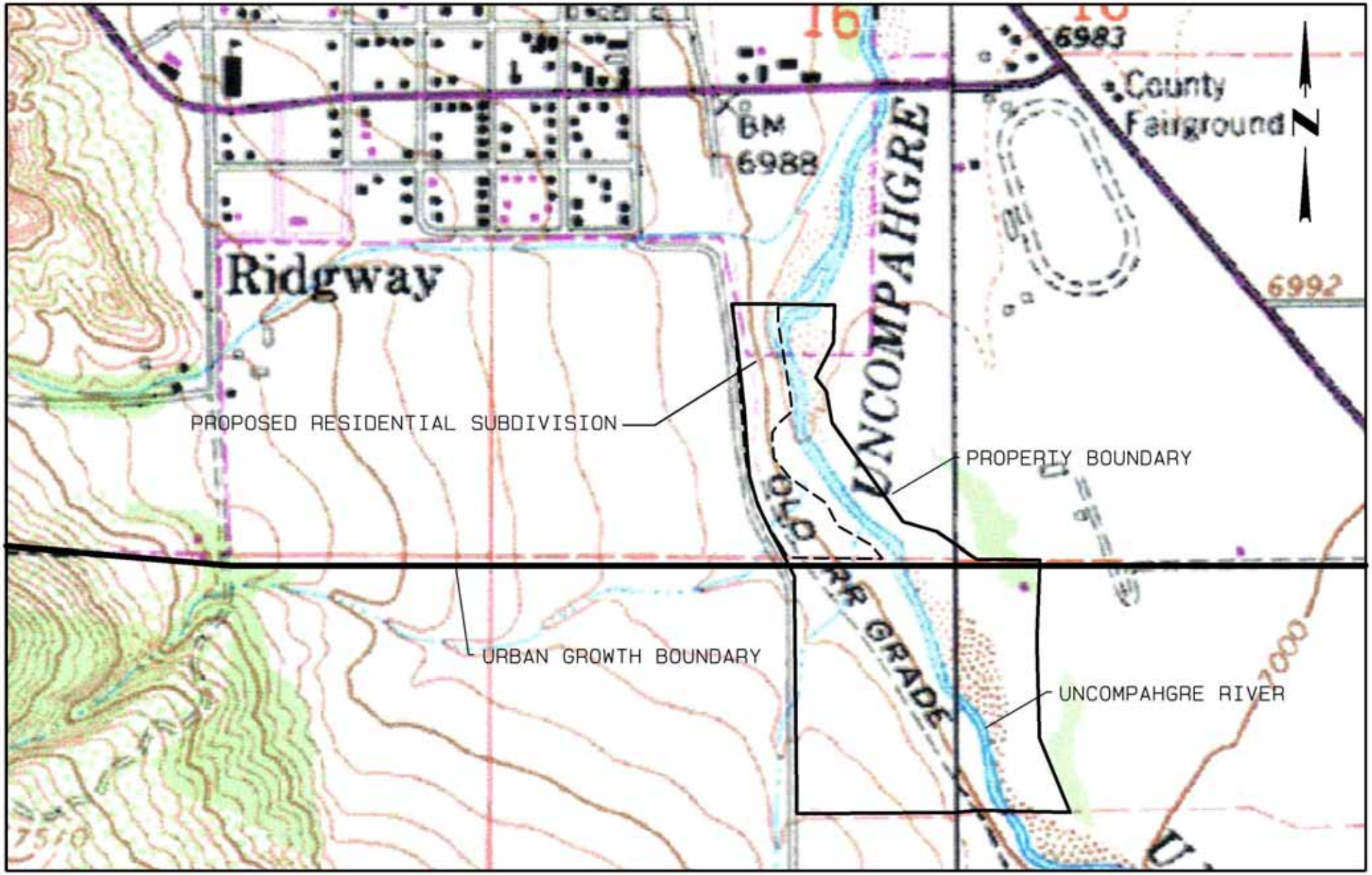
River Restoration & Wetland Mitigation	
Ridgway River Development, LLC	Sheet
COVER SHEET & LOCATION MAP	C-4 of 7
Scale: NTS	6-19-2006



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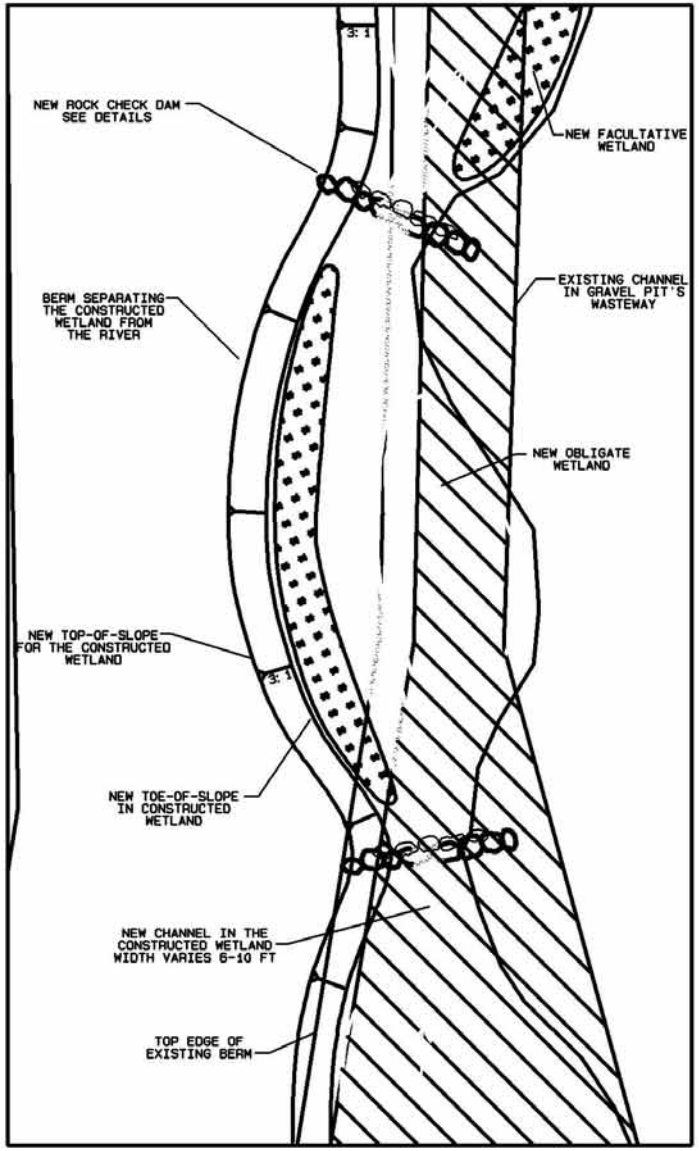
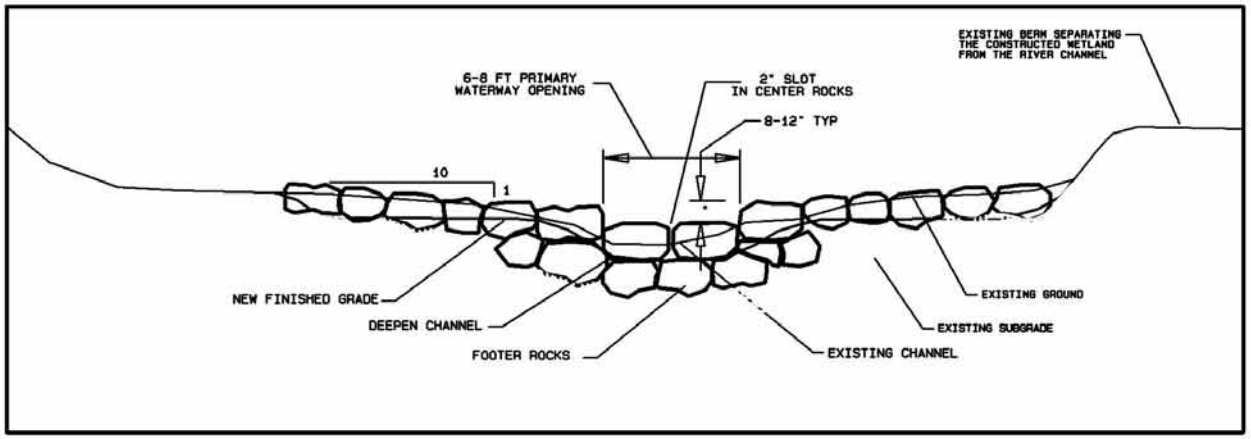
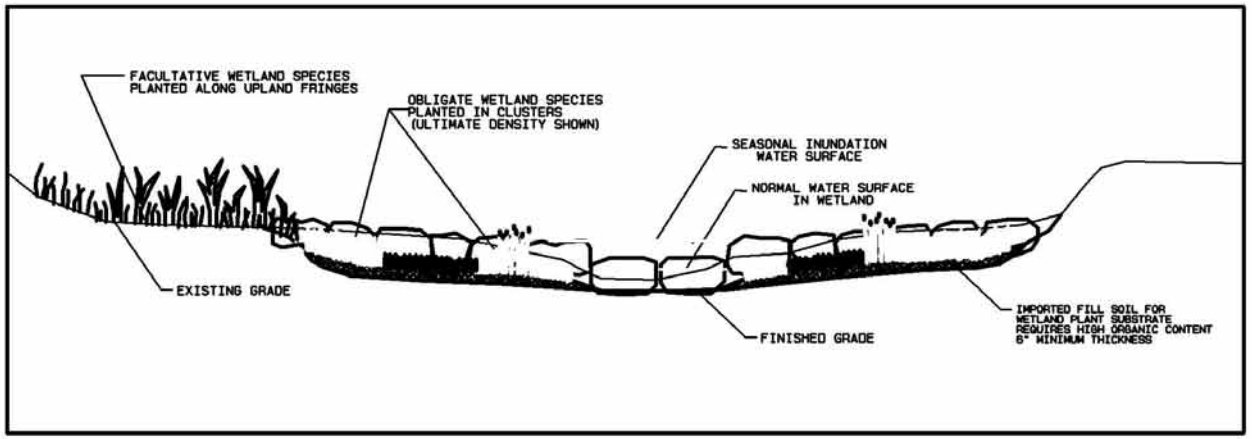
River Restoration & Wetland Mitigation	
Ridgway River Development, LLC	Sheet
PROJECT LOCATION & PARCEL BOUNDARIES	1 of 7
Scale: 1" = 700 FT	9-30-2005



CONSTRUCTED WETLAND TYPICAL PLAN



CONSTRUCTED WETLAND ROCK CHECK DAM SECTION



CONSTRUCTED WETLAND TYPICAL SECTION

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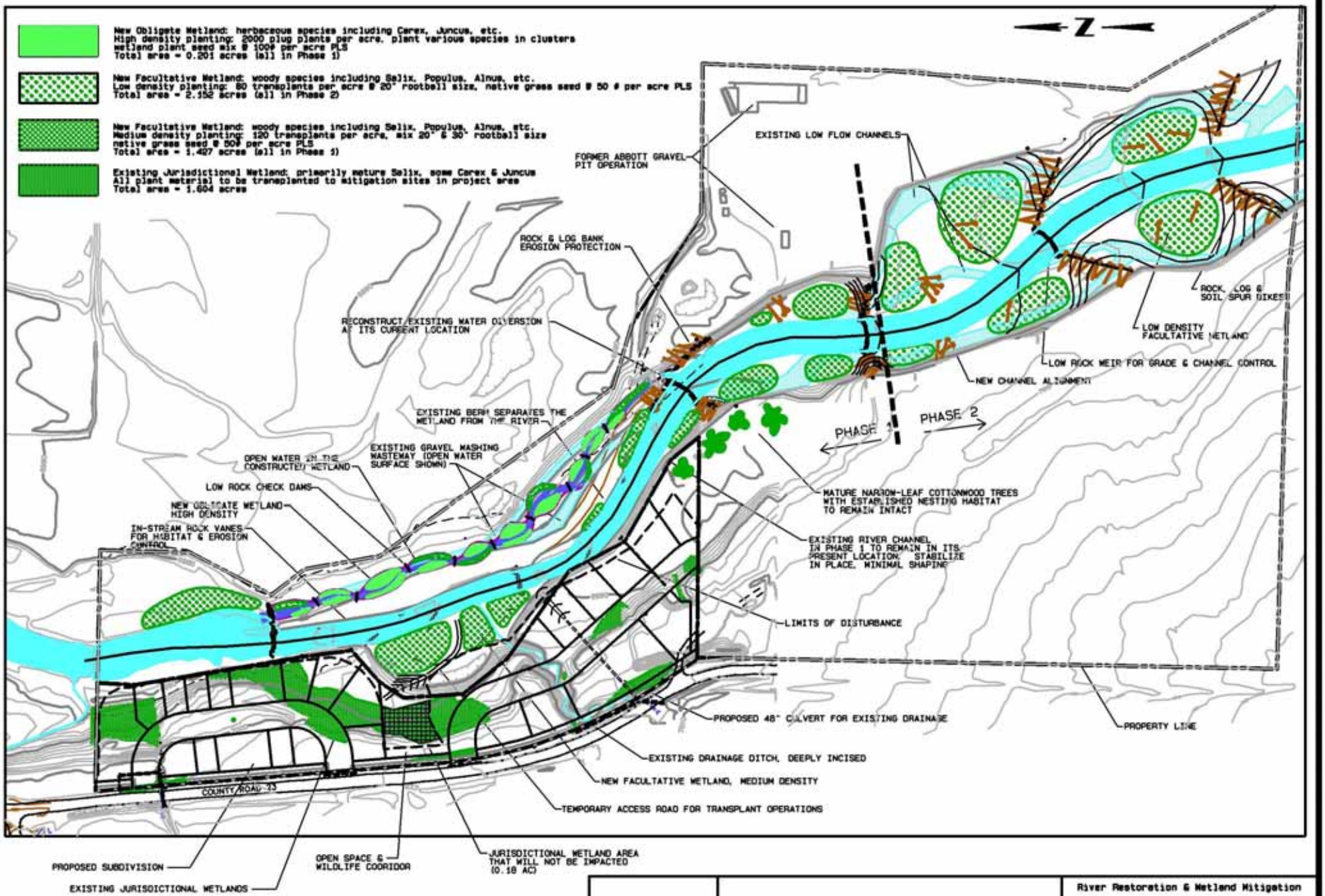
River Restoration & Wetland Mitigation	
Ridgway River Development, LLC	Sheet
WETLAND MITIGATION DETAILS	4 of 5
Scale: NTS	5-2-2007

New Obligate Wetland: herbaceous species including Carex, Juncus, etc.
High density planting: 2000 plug plants per acre, plant various species in clusters
wetland plant seed mix @ 100# per acre PLS
Total area = 0.201 acres (all in Phase 1)

New Facultative Wetland: woody species including Salix, Populus, Alnus, etc.
Low density planting: 80 transplants per acre @ 20" rootball size, native grass seed @ 50 # per acre PLS
Total area = 2.152 acres (all in Phase 2)

New Facultative Wetland: woody species including Salix, Populus, Alnus, etc.
Medium density planting: 120 transplants per acre, mix 20" & 30" rootball size
native grass seed @ 50# per acre PLS
Total area = 1.427 acres (all in Phase 1)

Existing Jurisdictional Wetland: primarily mature Salix, some Carex & Juncus
All plant material to be transplanted to mitigation sites in project area
Total area = 1.604 acres



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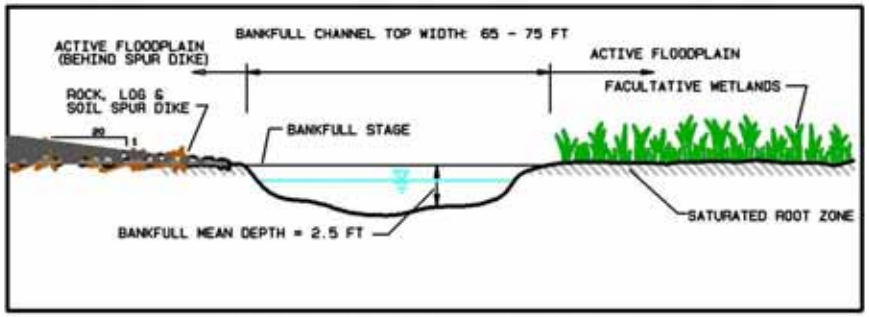
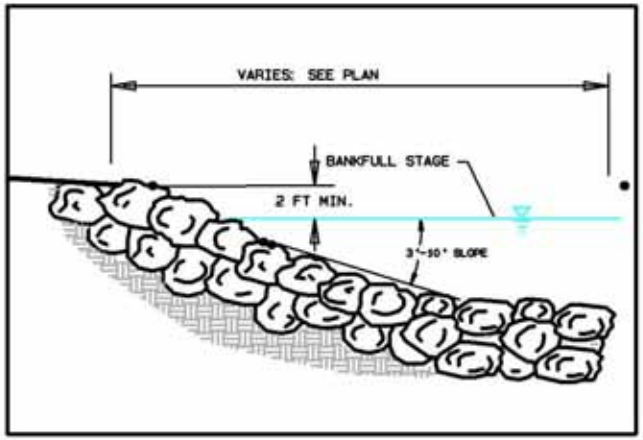
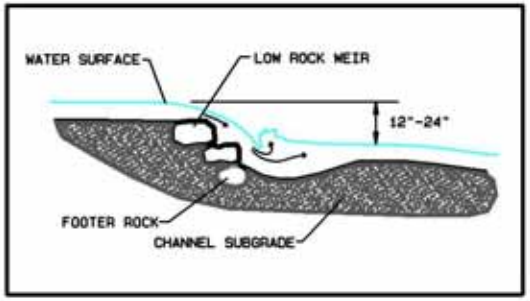
Ridgway River Development, LLC	Sheet
RESTORATION AND MITIGATION PLAN	2 of 5
Scale: NTS	5-2-2007



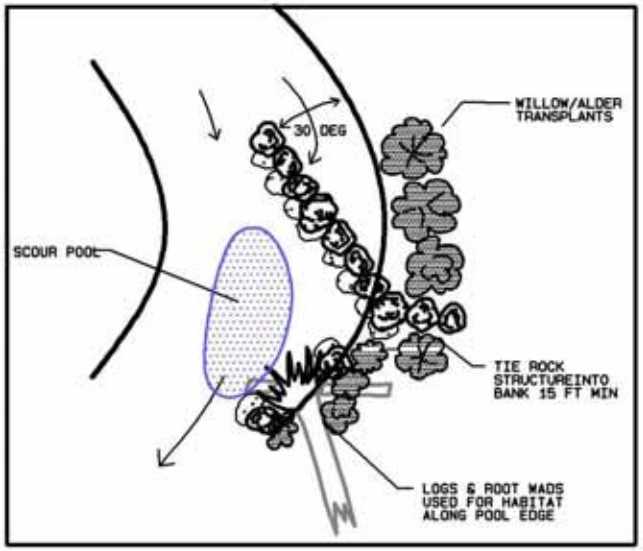
TYPICAL CHANNEL & FLOODPLAIN SECTION:
PHASE TWO (UPSTREAM) AREA



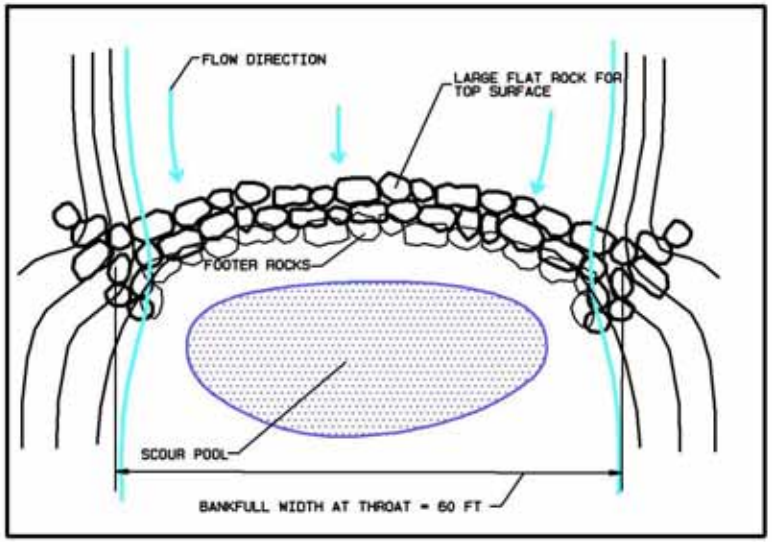
ROCK VANE PROFILE



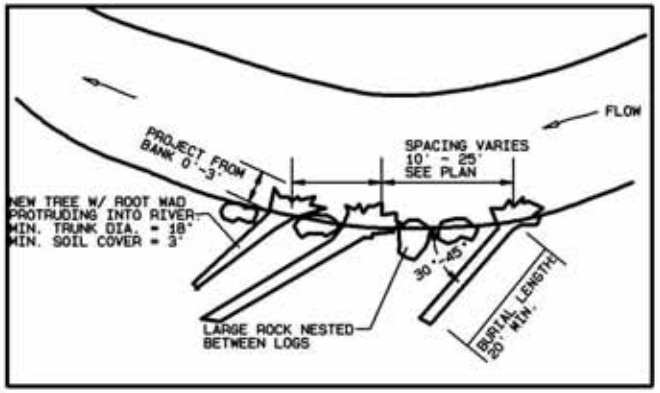
LOW WEIR PROFILE



ROCK VANE PLAN



LOW WEIR PLAN



LOG & ROCK BANK STABILIZATION

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RIVER RESTORATION DETAILS	3 of 5
Scale: NTS	5-2-2007