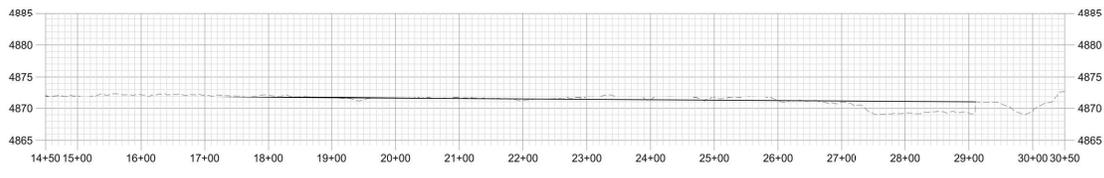
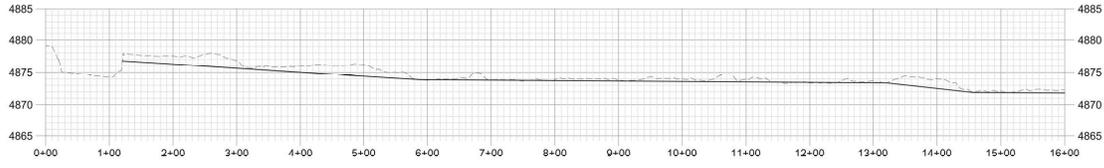




- LEGEND**
- EXISTING ROADS
  - ERODING BANK TREATMENT #2
  - PROPOSED TEMPORARY HAUL ROUTE
  - PROPOSED SIDE CHANNEL ALIGNMENT
  - PROPOSED CHANNEL NARROWING
  - PROPOSED POOL



PROJECT NO.	DATE	DRAWN BY	CHECKED BY
REVISION NO.	REVISION DATE	REVISION DESCRIPTION	BY

**CONFLUENCE CONSULTING**

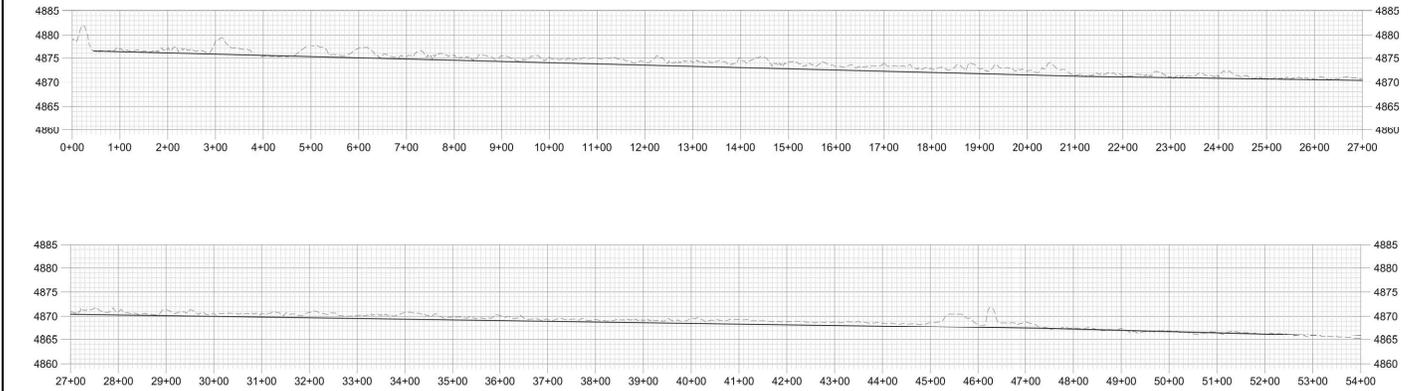
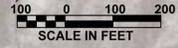
**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

**CHANNEL UNO  
PLAN AND  
PROFILE**

**SHEET: 10**



- LEGEND**
- PROPERTY BOUNDARY
  - PROPOSED TEMPORARY HAUL ROUTES
  - PROPOSED SIDE CHANNEL ALIGNMENT
  - ▨ PROPOSED CHANNEL NARROWING

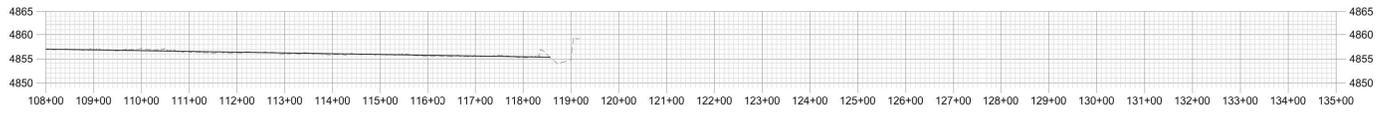
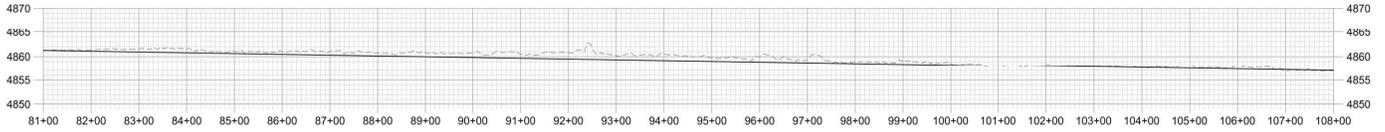
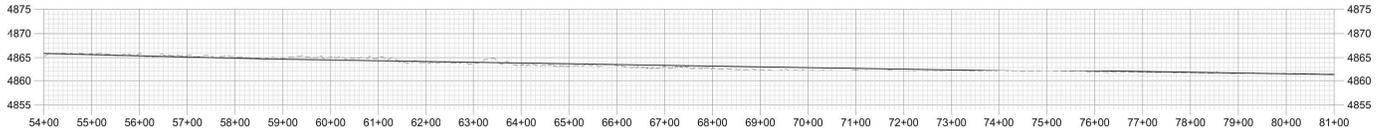
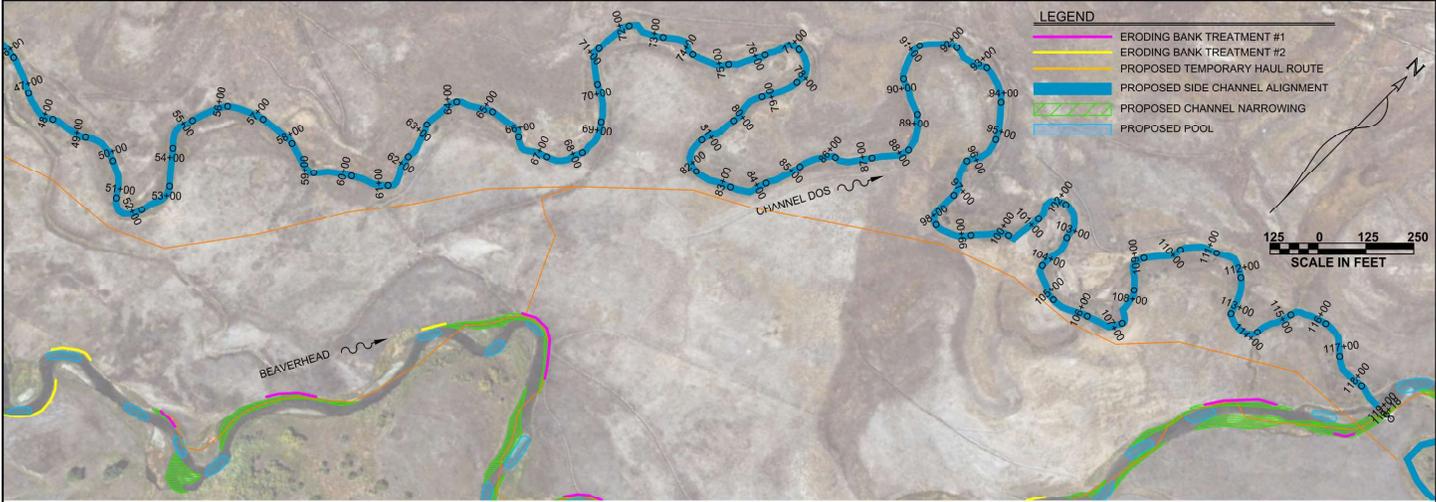


DATE	BY	DESCRIPTION



**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

CHANNEL DOS  
PLAN AND  
PROFILE (1)



PROJECT NO.	DATE	SCALE
DESCRIPTION	PROJECT LOCATION	PROJECT NUMBER
DESIGNED BY	CHECKED BY	DATE
DRAWN BY	APPROVED BY	DATE

**CONFLUENCE CONSULTING**

**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

CHANNEL D05  
PLAN AND PROFILE (2)

**SHEET: 12**

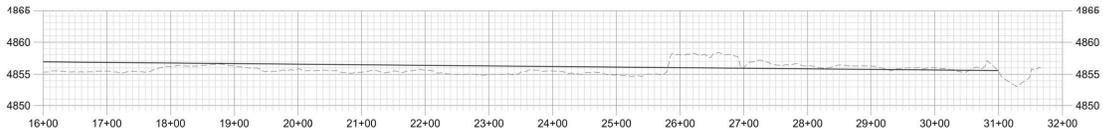
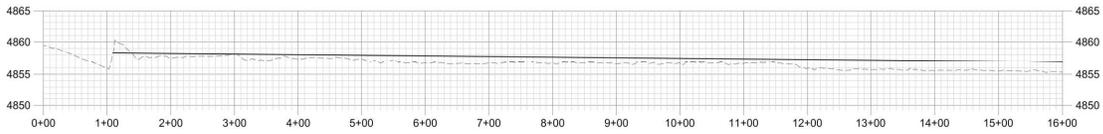


**LEGEND**

- EXISTING ROADS
- ERODING BANK TREATMENT #1
- PROPOSED TEMPORARY HAUL ROUTE
- PROPOSED SIDE CHANNEL ALIGNMENT
- PROPOSED CHANNEL NARROWING
- PROPOSED POOL
- PROPOSED FILL PILE

SCALE IN FEET

0 100 200

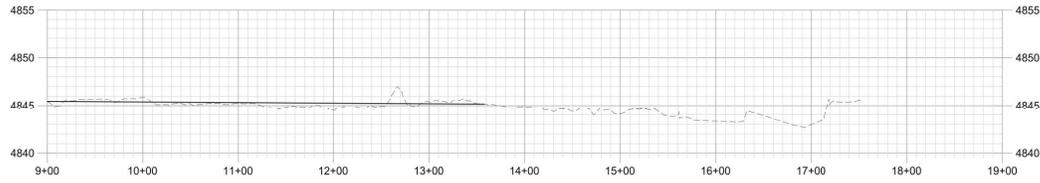
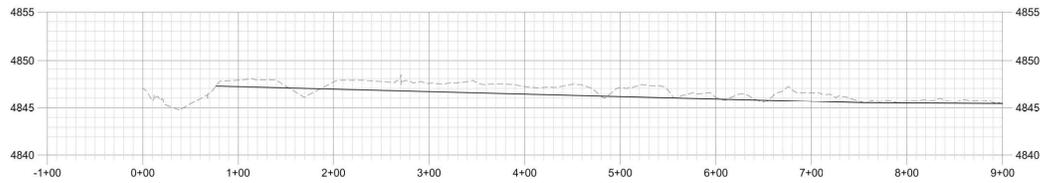
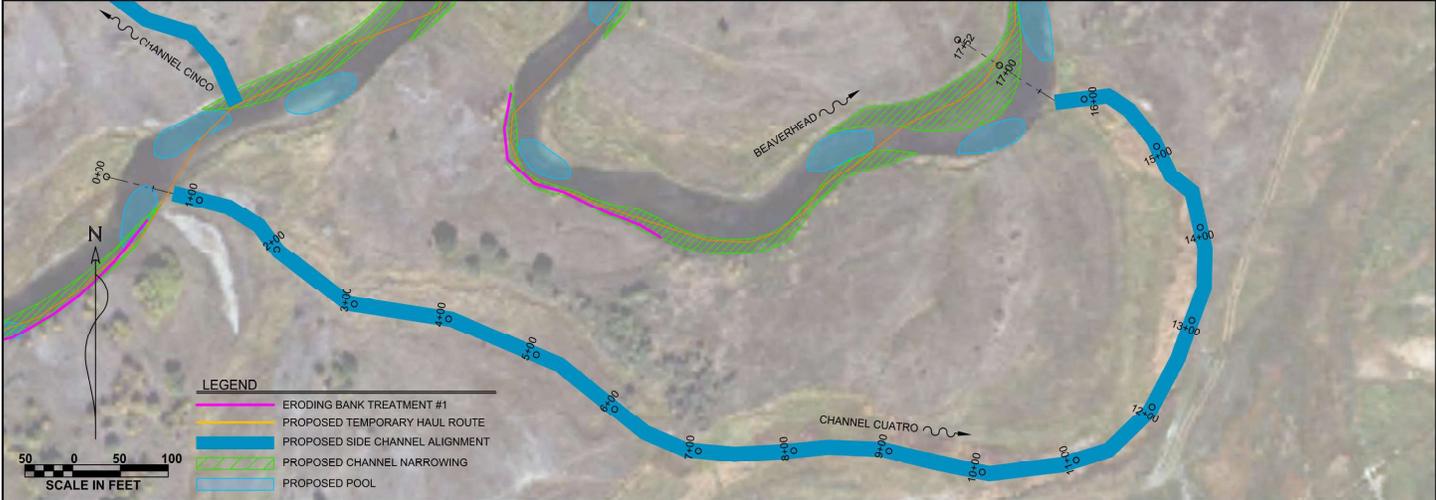


NO.	DATE	DESCRIPTION



**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

CHANNEL TRES PLAN AND PROFILE



PROJECT NO.	DATE	SCALE	BY	CHECKED
PROJECT NAME	CLIENT	DATE	DATE	DATE
DESCRIPTION	LOCATION	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE

**CONFLUENCE CONSULTING**

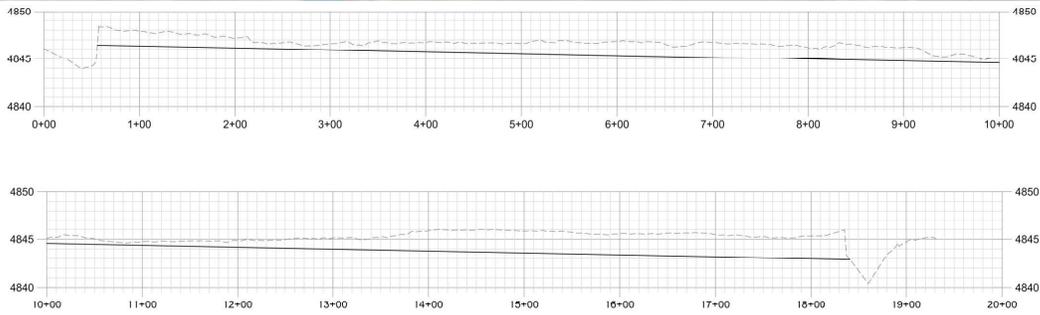
**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

CHANNEL CUATRO PLAN AND PROFILE

**SHEET: 14**



- LEGEND**
- EXISTING ROADS
  - PROPOSED TEMPORARY HAUL ROUTE
  - PROPOSED SIDE CHANNEL ALIGNMENT
  - PROPOSED CHANNEL NARROWING
  - PROPOSED POOL



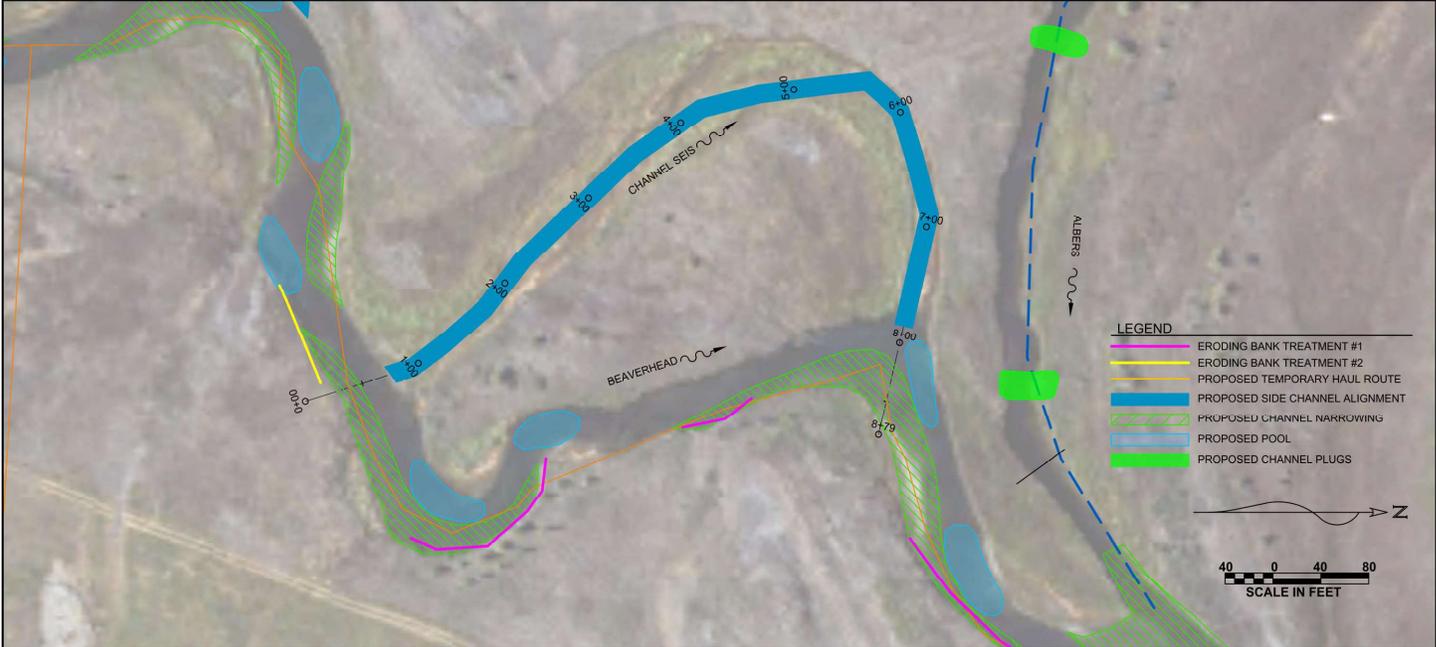
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REVISION	DATE	DESCRIPTION	BY	APP'D

**CONFLUENCE CONSULTING**

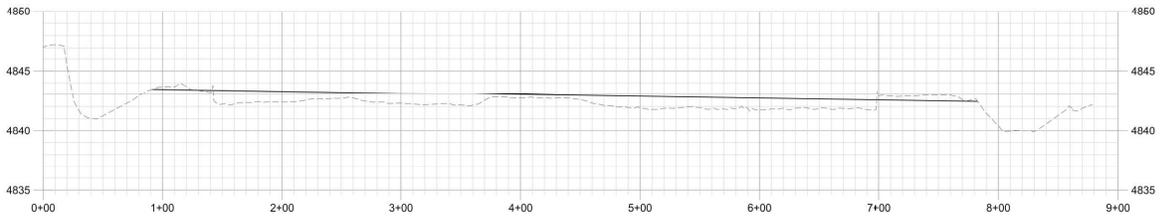
**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

CHANNEL CINCO PLAN AND PROFILE

**SHEET: 15**



- LEGEND**
- ▨ ERODING BANK TREATMENT #1
  - ▨ ERODING BANK TREATMENT #2
  - ▨ PROPOSED TEMPORARY HAUL ROUTE
  - ▨ PROPOSED SIDE CHANNEL ALIGNMENT
  - ▨ PROPOSED CHANNEL NARROWING
  - ▨ PROPOSED POOL
  - ▨ PROPOSED CHANNEL PLUGS

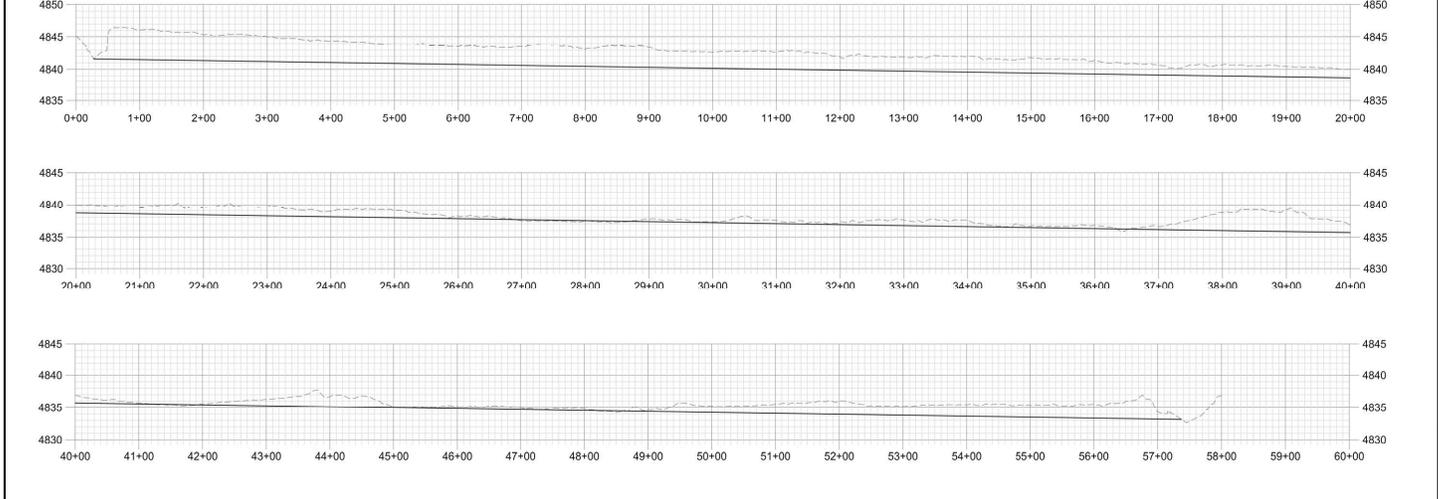


NO.	DATE	DESCRIPTION



**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

CHANNEL SEIS  
PLAN AND  
PROFILE



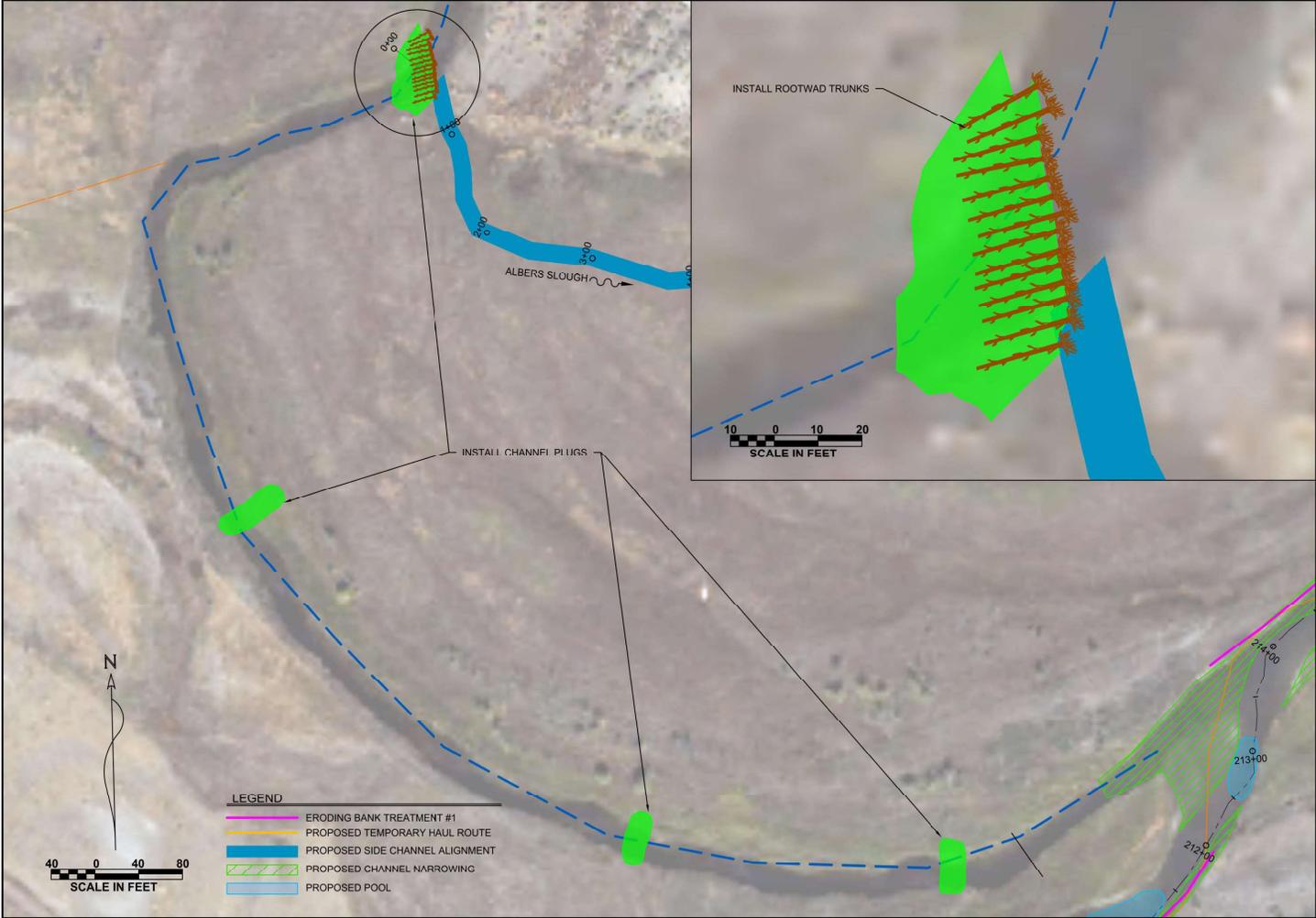
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PROJECT: BEAVERHEAD RIVER RESTORATION	PROJECT NO: 2021-001
CLIENT: BEAVERHEAD COUNTY	CONTRACT NO: 2021-001
DESIGNER: CONFLUENCE CONSULTING	DATE: 08/11/2021
DRAWN BY: [Name]	CHECKED BY: [Name]
IN CHARGE: [Name]	APPROVED BY: [Name]

**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

**CONFLUENCE  
CONSULTING**

**ALBERS PLAN  
AND PROFILE**

**SHEET: 17**



PROJECT NO. 2023-001  
 CLIENT: BEAVERHEAD COUNTY  
 PROJECT: BEAVERHEAD RIVER RESTORATION  
 SHEET: 18 OF 20

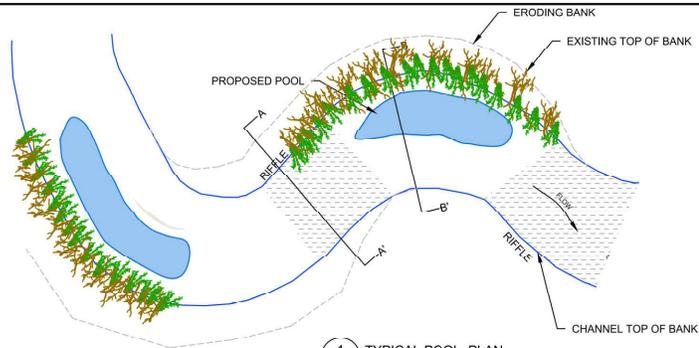
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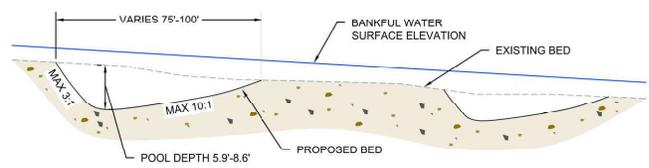
**BEAVERHEAD RIVER RESTORATION  
 PRELIMINARY DESIGN  
 BEAVERHEAD COUNTY, MT**

PLUGS ON ALBERS SLOUGH

**SHEET: 18**



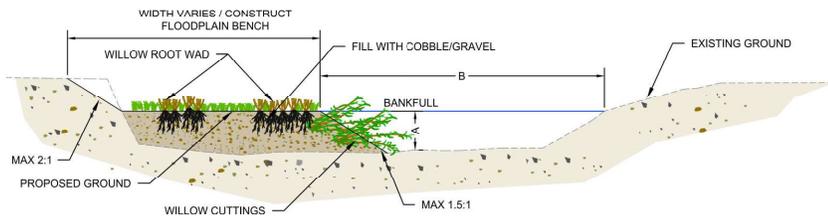
1  
18 TYPICAL POOL PLAN  
NOT TO SCALE



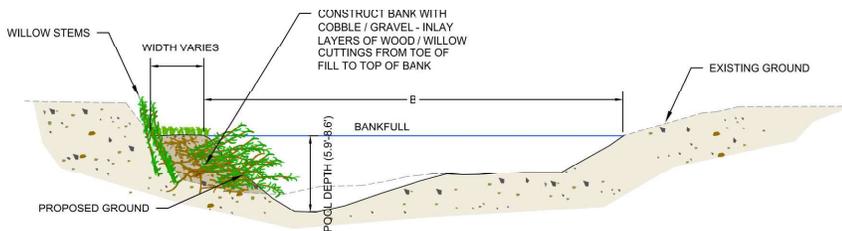
2  
19 TYPICAL CHANNEL PROFILE  
NOT TO SCALE

BEAVERHEAD DESIGN CHANNEL DIMENSIONS TABLE

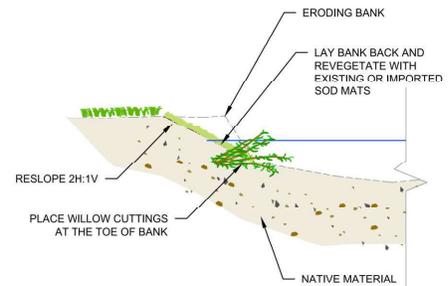
Reach	Avg. Riffle Slope (ft/ft)	Max Depth (ft)		Top Width (ft)	
		A	B	A	B
BH 1	0.0022	2.5	32		
BH 2	0.0016	2.5	36		
BH 3	0.0006	3.0	37		
BH 4	0.0016	2.5	36		
BH 5	0.0010	3.0	37		



3  
18 TYPICAL BEAVERHEAD RIFFLE XS A-A'  
NOT TO SCALE



4  
18 TYPICAL BEAVERHEAD POOL SECTION B - B' AND ERODING BANK TREATMENT #1  
NOT TO SCALE



5  
18 ERODING BANK TREATMENT #2  
NOT TO SCALE

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		



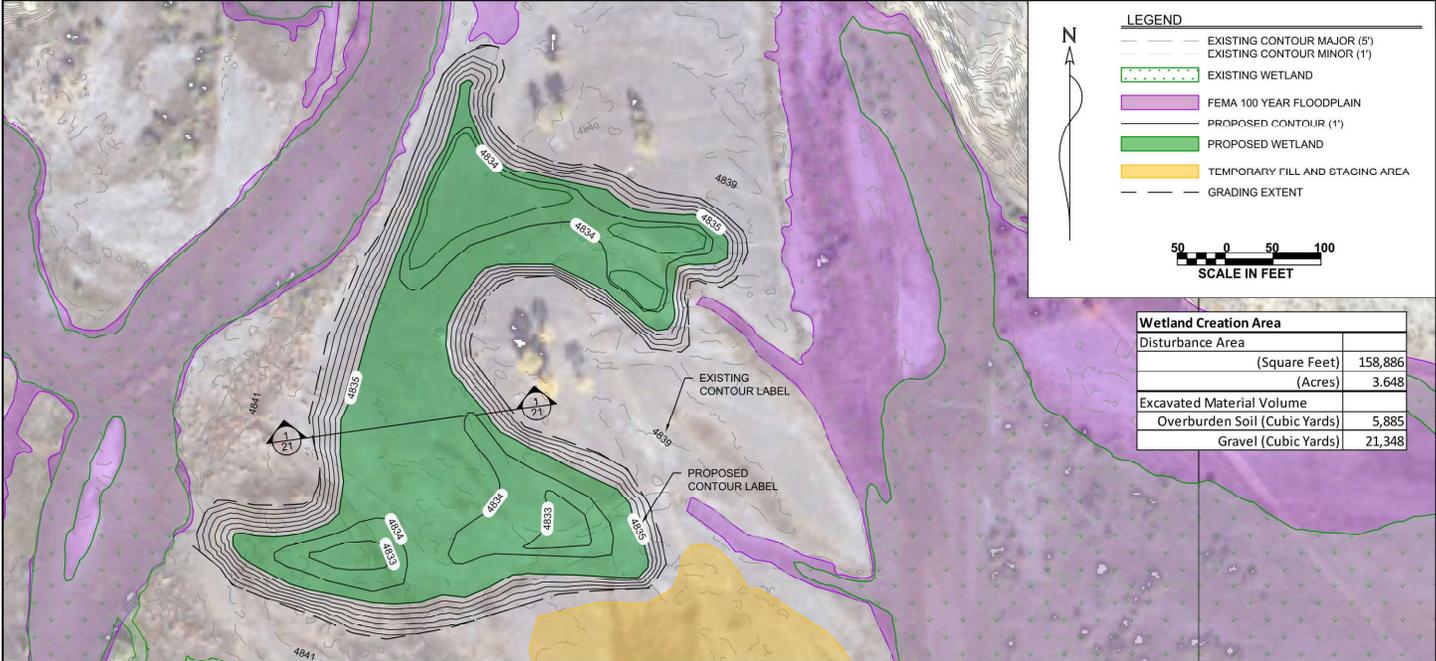
BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT

BEAVERHEAD RIVER CHANNEL DETAILS

SHEET: 19





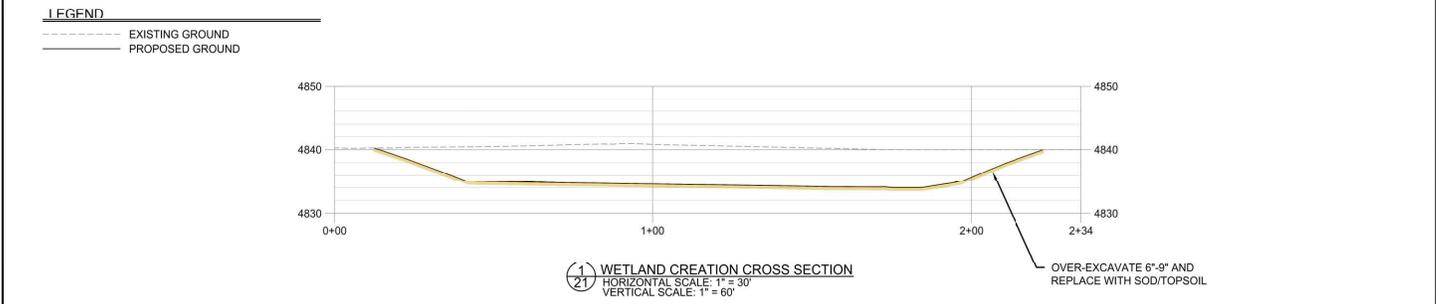


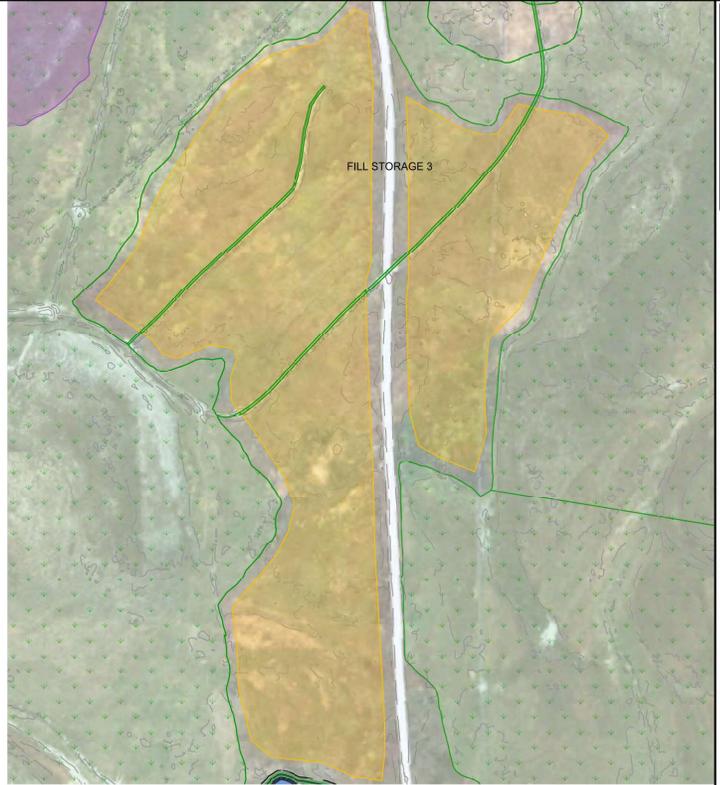
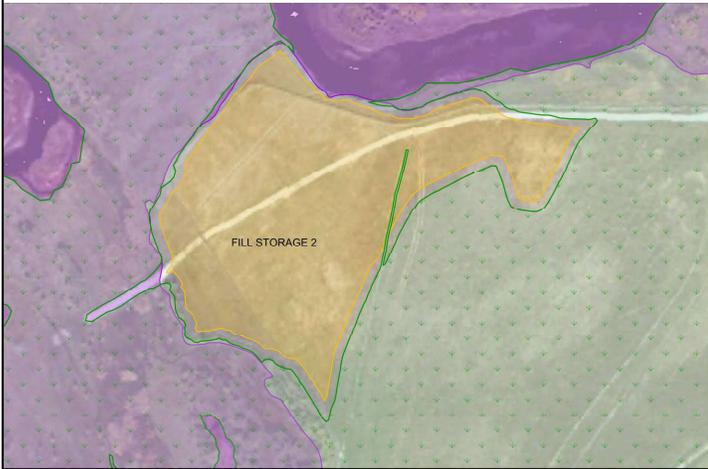
DATE	
REVISION	
NO.	DATE
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

**DIAMOND O HOMESITE POND EXPANSION AND  
WETLAND HABITAT IMPROVEMENT  
CONCEPTUAL DESIGN  
BEAVERHEAD COUNTY, MONTANA**

WETLAND  
CREATION  
PLAN

SHEET: **22**





**LEGEND**

- FEMA 100-YEAR FLOODPLAIN
- EXISTING WETLAND
- TEMPORARY FILL AND STAGING AREA

FILL STORAGE SITE	AREA	
	(SQUARE FEET)	(ACRES)
1	341,799	7.847
2	153,775	3.530
3	381,159	8.750

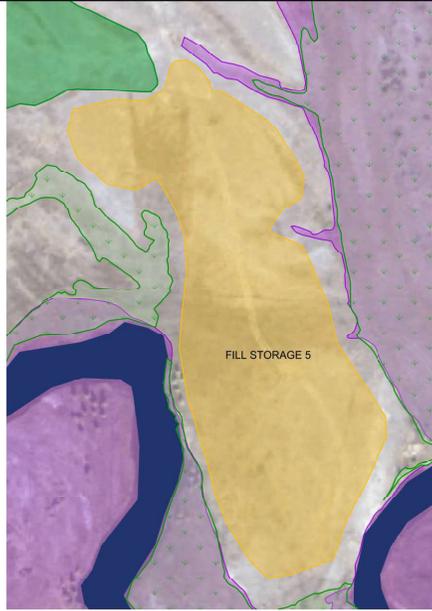
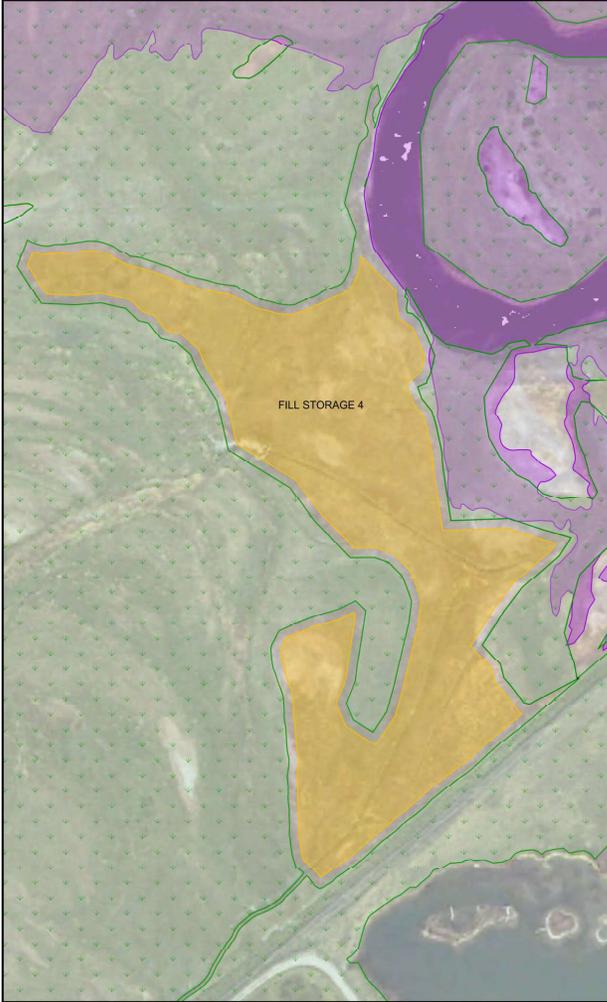


NO.	DATE	DESCRIPTION

**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

FILL SITES 1-3

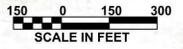
SHEET: **23**



**LEGEND**

- FEMA 100-YEAR FLOODPLAIN
- EXISTING WETLAND
- PROPOSED WETLAND
- TEMPORARY FILL AND STAGING AREA
- PERMANENT FILL AREA

FILL STORAGE SITE	AREA	
	(SQUARE FEET)	(ACRES)
4	228,887	5.255
5	182,020	4.179
6	854,109	19.608



NO.	DATE	DESCRIPTION

**BEAVERHEAD RIVER RESTORATION  
PRELIMINARY DESIGN  
BEAVERHEAD COUNTY, MT**

FILL SITES 4-6

SHEET: **24**