



2024 SIDE CHANNEL REACTIVATION PROJECT

- PROJECT LOCATIONS
- SITE PHOTOGRAPHY
- ACCESS MAPS
- PRELIMINARY DESIGN PLANS



FALL 2024

WWW.BIGHORNRIVERALLIANCE.ORG

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BIGHORN
RIVER ALLIANCE

Project Area Map and Channel Lengths



Site map of 2024 reactivation sites.

NAME	RIVER MILE	LATITUDE	LONGITUDE	LENGTH IN FT	LENGTH IN MILES
Across from Schneider's Island	75.4	45.3740	-107.8127	825	0.16
Schneider Island	75.3	45.3753	-107.8151	1,200	0.23
Mallard's Channel	63.3	45.5204	-107.7361	5,340	1.01
				7,365	1.40

Across From Schneider's Island

Current Conditions



Picture Date: 9/11/2021 | River Release: 1900 cfs

See Video Here: <https://youtu.be/TP68qEEGIEQ>

Across From Schneider's Island

Access and Land Ownership Map



ACCESS:

1. Nine Mile Land and Cattle
2. State of Montana



- Access Path
- Side Channel
- Ownership Boundry
- Crow Tribal Trust

Across From Schneider's Island

Preliminary Design Plan



Schneider's Island

Current Conditions

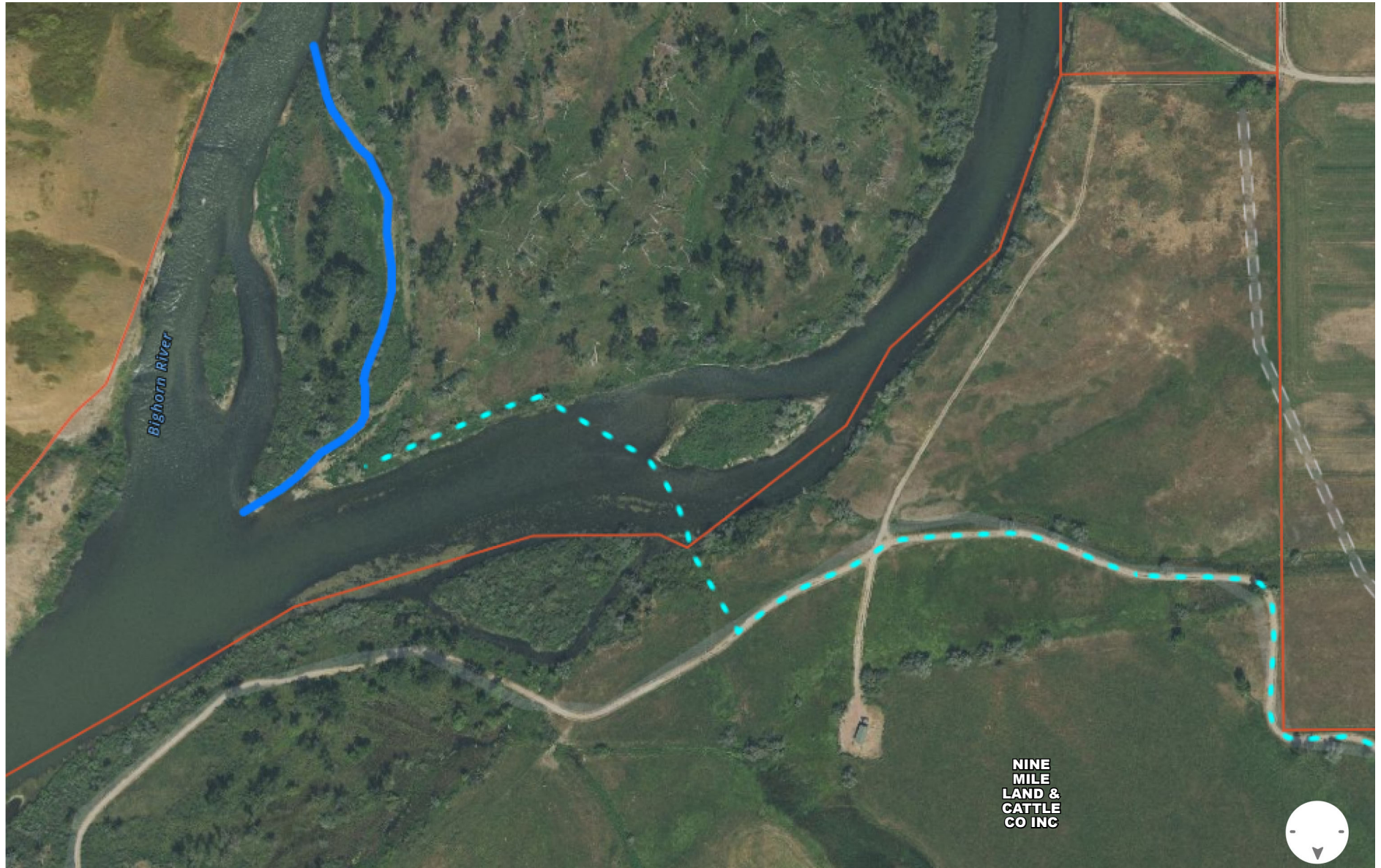


Picture Date: 9/11/2021 | River Release: 1900 cfs

See Video Here: <https://youtu.be/EmsCeK5uLZk>

Schneider's Island





Access and Land Ownership Map



ACCESS:

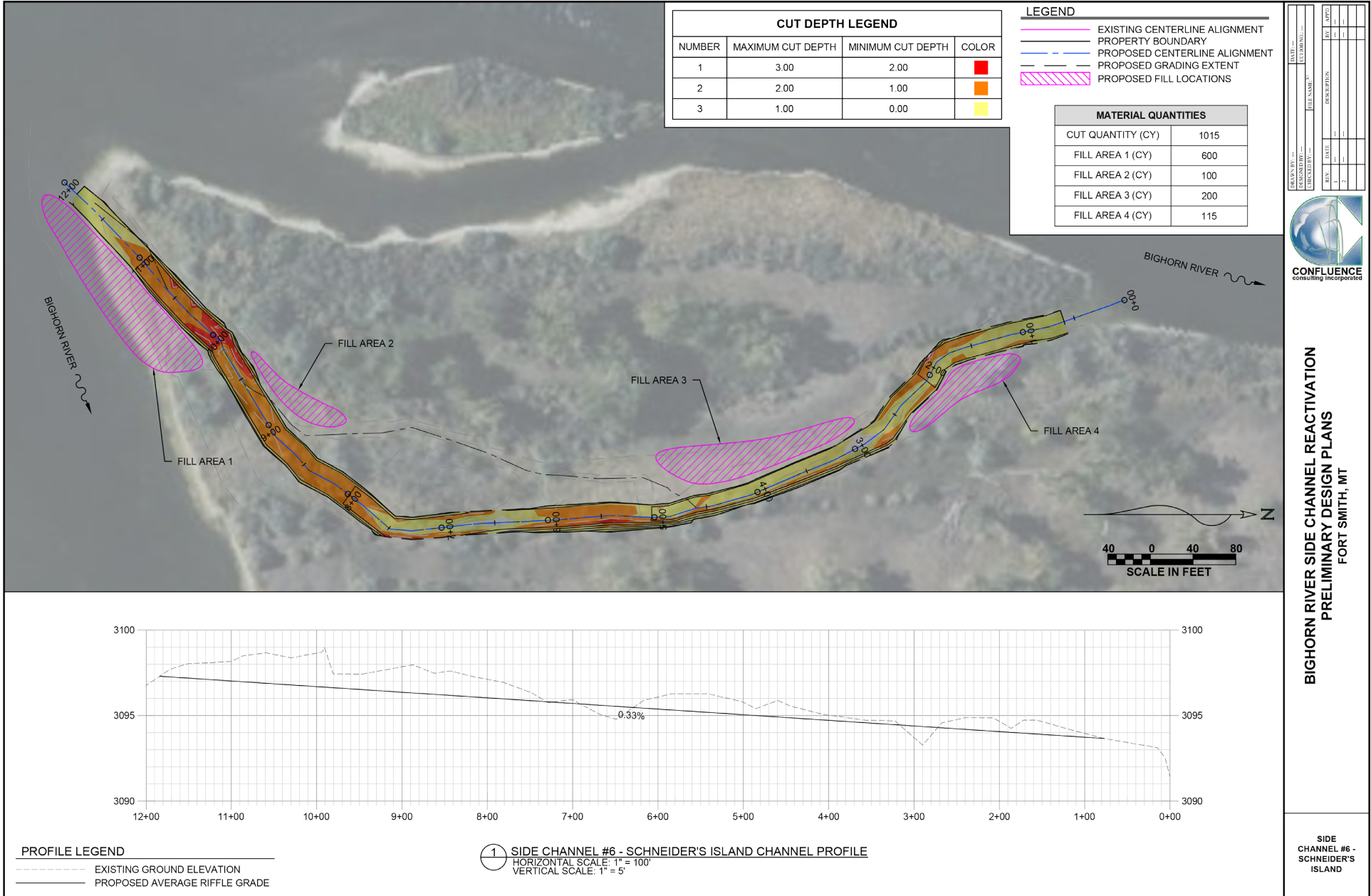
1. Nine Mile Land and Cattle
2. State of Montana



- Access Path 
- Side Channel 
- Ownership Boundry 
- Crow Tribal Trust  highlighted areas

Schneider's Island

Preliminary Design Plan



Mallard's Channel

Current Conditions

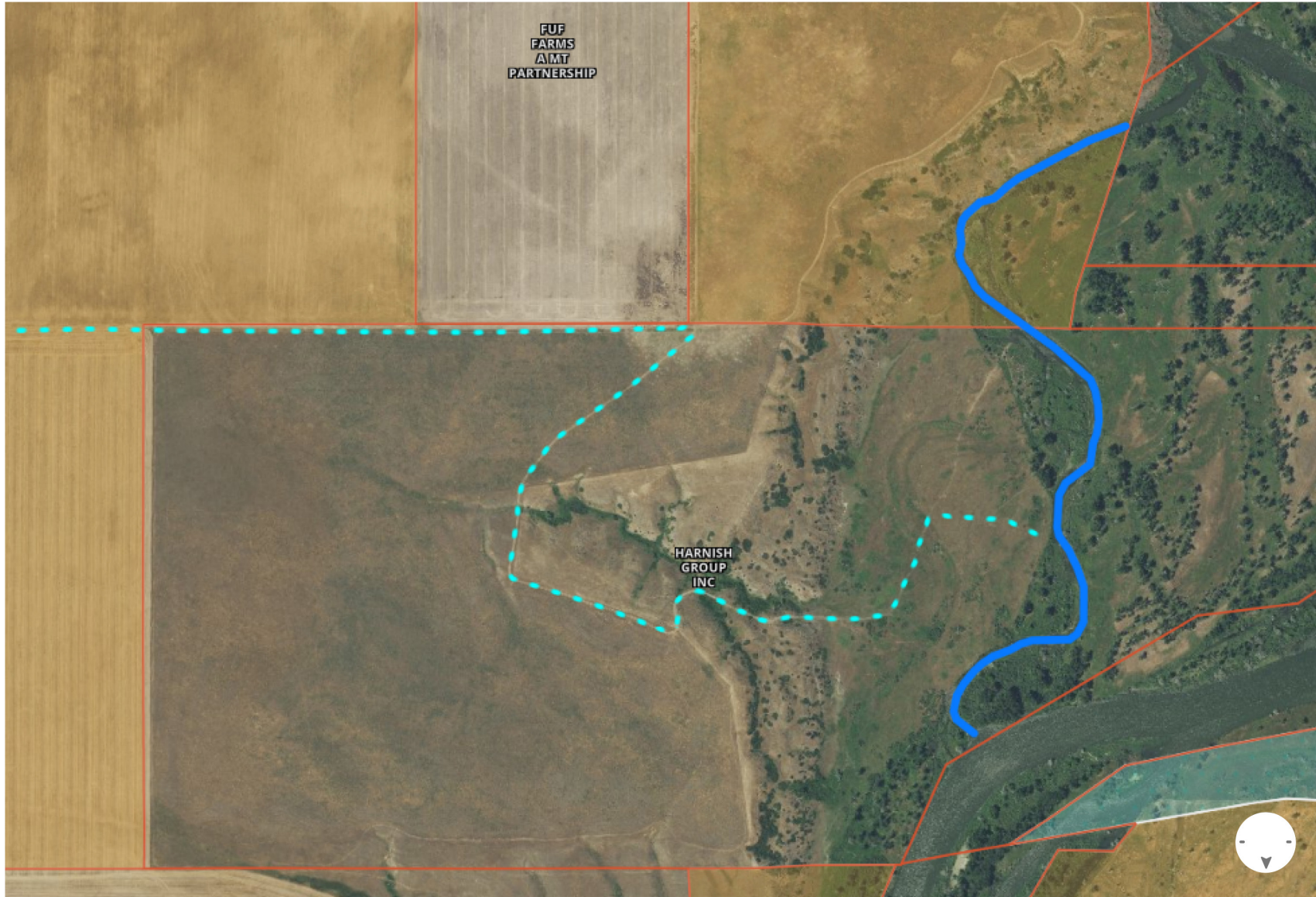


Picture Date: 9/8/2021 | River Release: 1801 cfs

See Video Here: <https://youtu.be/MwUhCXWSFWU>

Mallard's Channel





Access and Land Ownership Map



ACCESS:

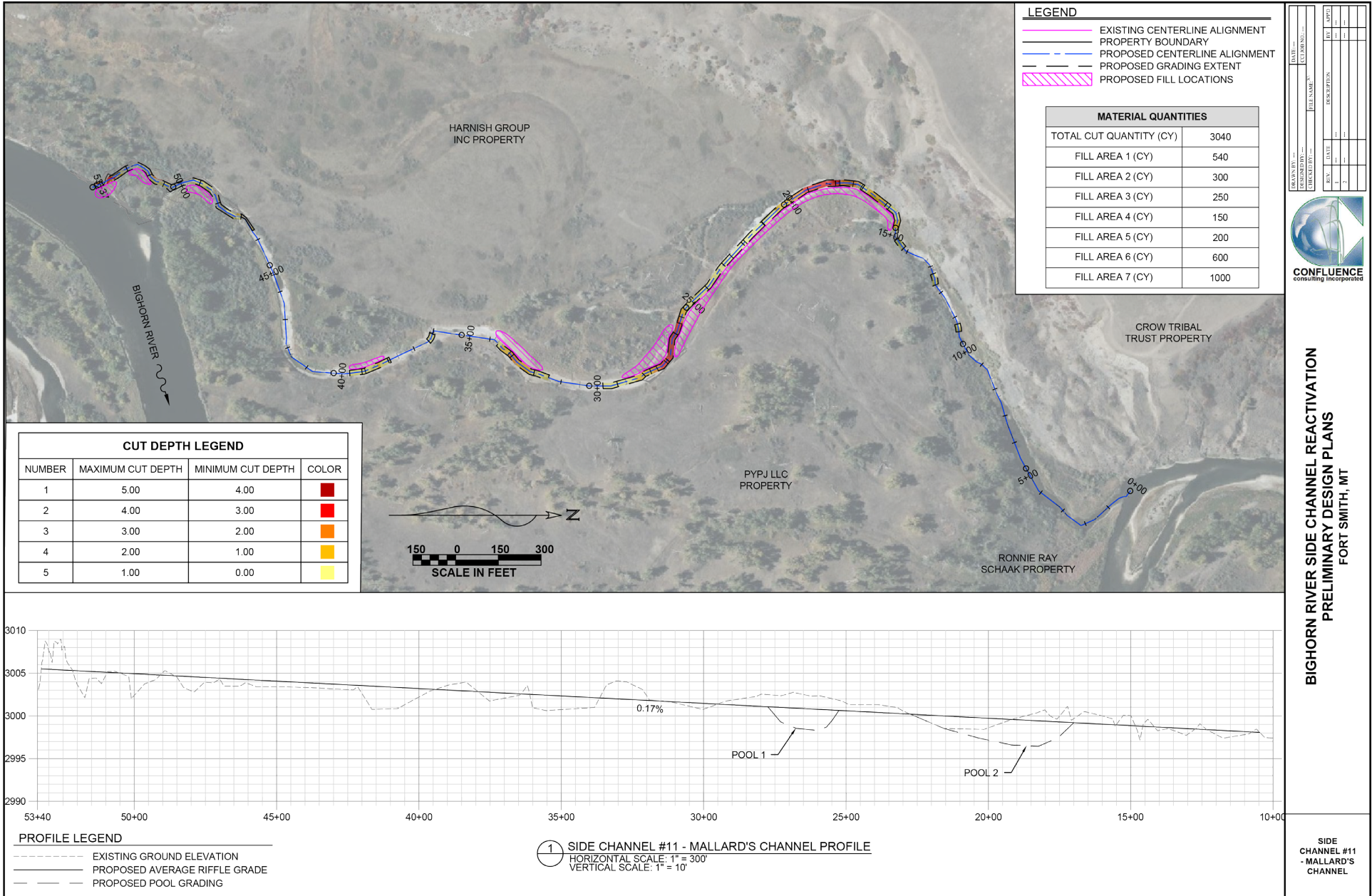
1. Crow Tribal
2. Harnish
3. State of Montana



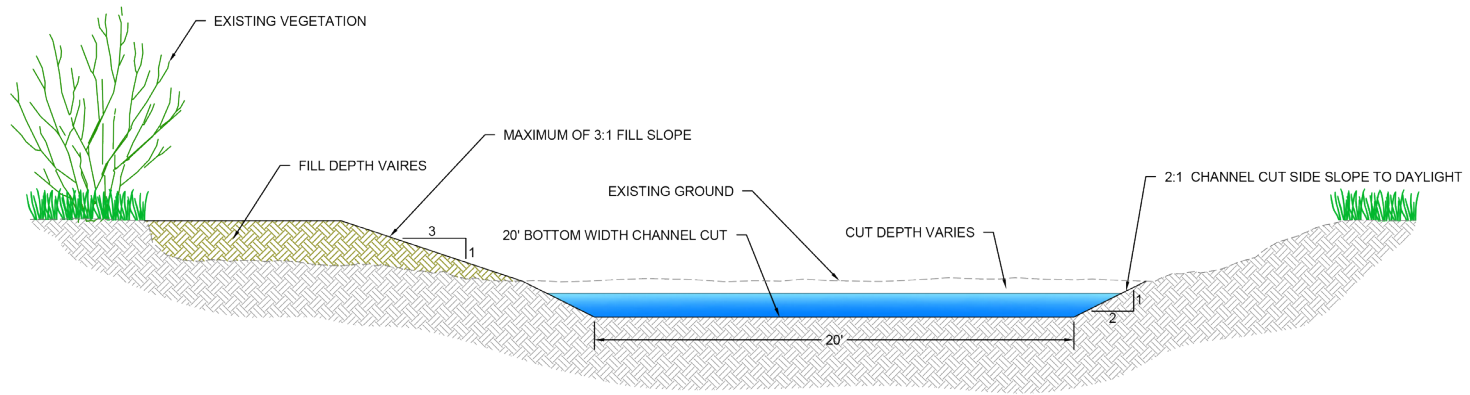
- Access Path 
- Side Channel 
- Ownership Boundry 
- Crow Tribal Trust 

Mallard's Channel

Preliminary Design Plan



Typical Side Channel Cross Section



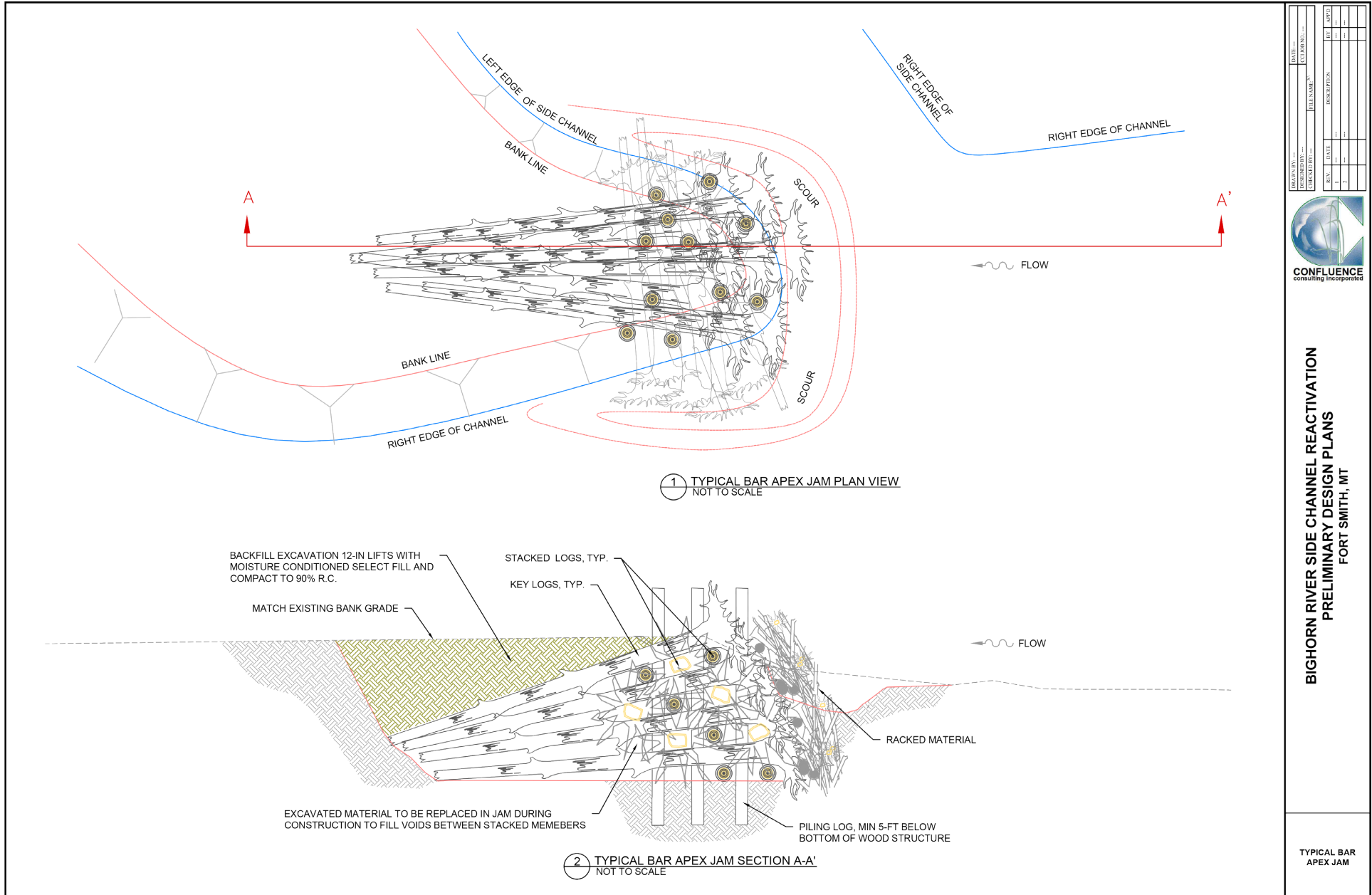
1 TYPICAL SIDE CHANNEL CROSS SECTION
NOT TO SCALE

DESIGNED BY: ...	CHECKED BY: ...	DATE: ...	PROJECT NO.: ...
FILE NAME: ...	DESCRIPTION: ...	REV.:	BY / APPD:
1			
2			
3			

**BIGHORN RIVER SIDE CHANNEL REACTIVATION
PRELIMINARY DESIGN PLANS
FORT SMITH, MT**

TYPICAL SIDE CHANNEL CROSS SECTION

Typical Bar Apex Jam



DESIGNED BY	DATE	BY	APP'D
CHECKED BY	FILE NAME	DESCRIPTION	
REV.	DATE		
1			
2			
3			

CONFLUENCE
consulting incorporated

BIGHORN RIVER SIDE CHANNEL REACTIVATION
PRELIMINARY DESIGN PLANS
FORT SMITH, MT

TYPICAL BAR APEX JAM