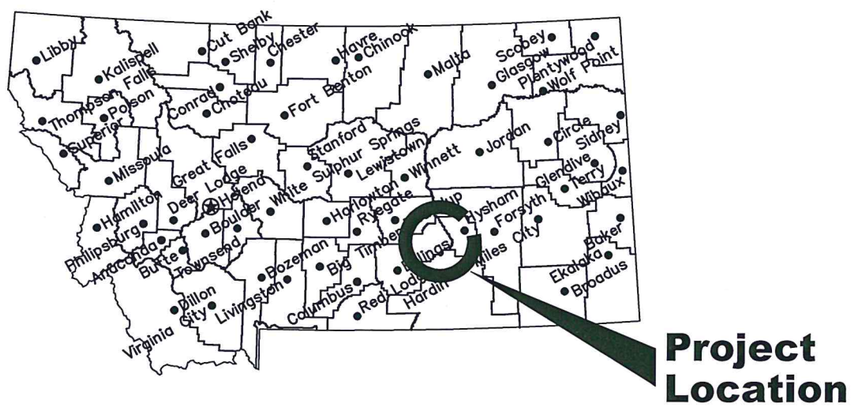
MONTANA FISH, WILDLIFE & PARKS

Captain Clark Fishing Access Site
2018 Road Improvements

near Pompey's Pillar, Yellowstone County, Montana

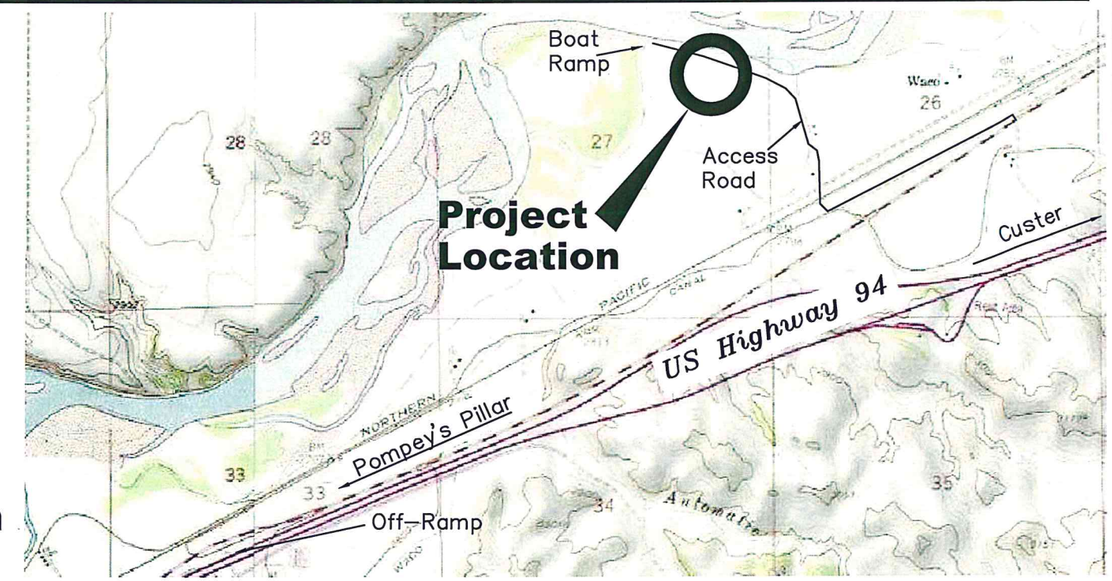
FWP Project # 7173734



Location Map

No Scale

North



Vicinity Map

No Scale

MONTANA FISH, WILDLIFE AND PARKS
DESIGN AND CONSTRUCTION

MAILING ADDRESS:
PO BOX 200701
HELENA, MT 59620-0701

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DRAWING INDEX

1 COVER SHEET
2 SITE PLAN
3 ROAD PLAN & PROFILE STA 10+00 to 15+50
4 ROAD PLAN & PROFILE STA 15+50 to 20+00
5 ROAD PLAN & PROFILE STA 20+00 to 22+36.11
6 DETAIL SHEET

MONTANA
PHILLIP N. JAGODA
No. 49280PE
PROFESSIONAL ENGINEER

Tom Mannatt August 1, 2018	APPROVED BY: DATE:	APPROVED BY: DATE:	
DRAWN BY: DATE:			
Phillip Jagoda August 1, 2018	APPROVED BY: DATE:	APPROVED BY: DATE:	
CHECKED BY: DATE:			

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Cover Sheet
Captain Clark Fishing Access Site - Access Road Relocation

SHEET: 1 of 6

PROJECT QUANTITIES TABLE	
Pit-Run Base (Cubic Yards)	490+/-
Pit-Run Base Depth (inches)	8
Road Length (Lineal Feet)	1236
Swale Length (Lineal Feet)	157
Culvert Length (Lineal Feet)	153

Note: Base estimate is based on per plan in-place compacted material.

LEGEND

- Tension Wire Fence
- Existing Fence
- New Road
- Existing Road
- 4775 Existing major contour
- 4775 Exiting minor contour
- 4770 Proposed major contour
- 4770 Proposed minor contour
- 4780.50 Proposed Spot Elevation (Sheets 5 & 6)
- CP4 Control Point (typical)
- Tree(typical)
- Culvert
- Top of Bank
- Drainage Swale
- FR FR FIBER ROLL (Wattel)

Tom Mannatt August 1, 2018			
DRAWN BY: DATE:	REVISED BY: DATE:	APPROVED BY: DATE:	
Phillip Jagoda August 1, 2018			
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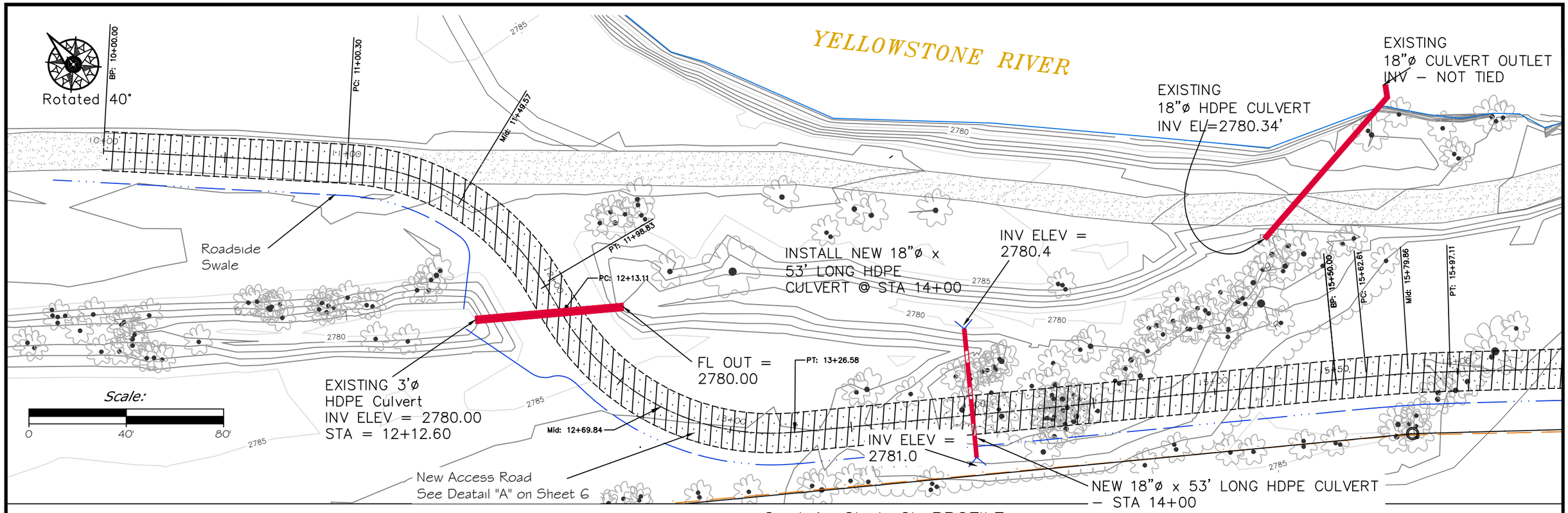
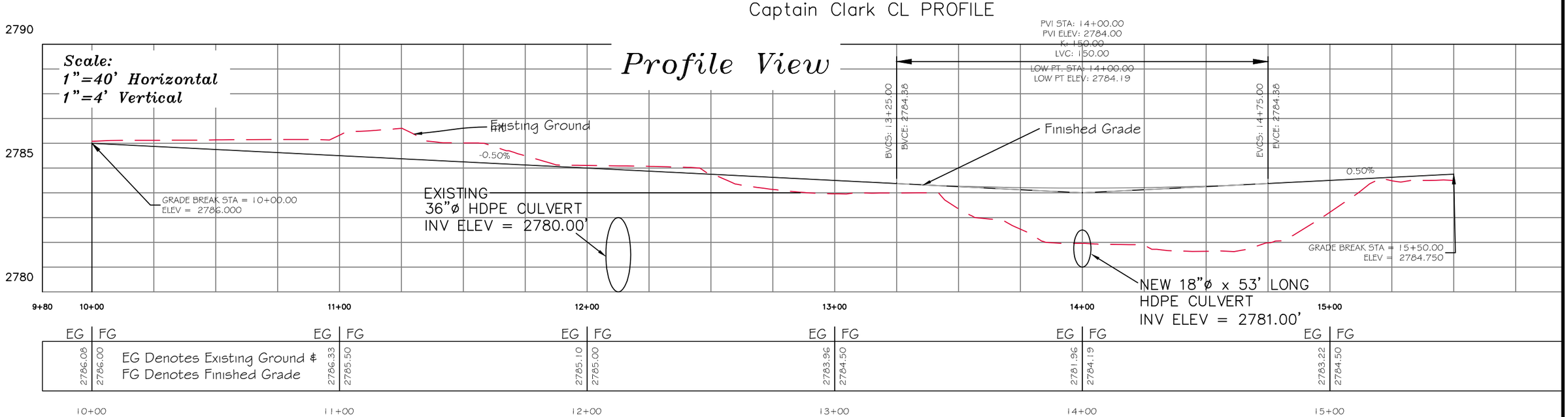
Site Plan

Captain Clark Fishing Access Site - Access Road Relocation

SHEET: 2 of 6



Captain Clark CL PROFILE



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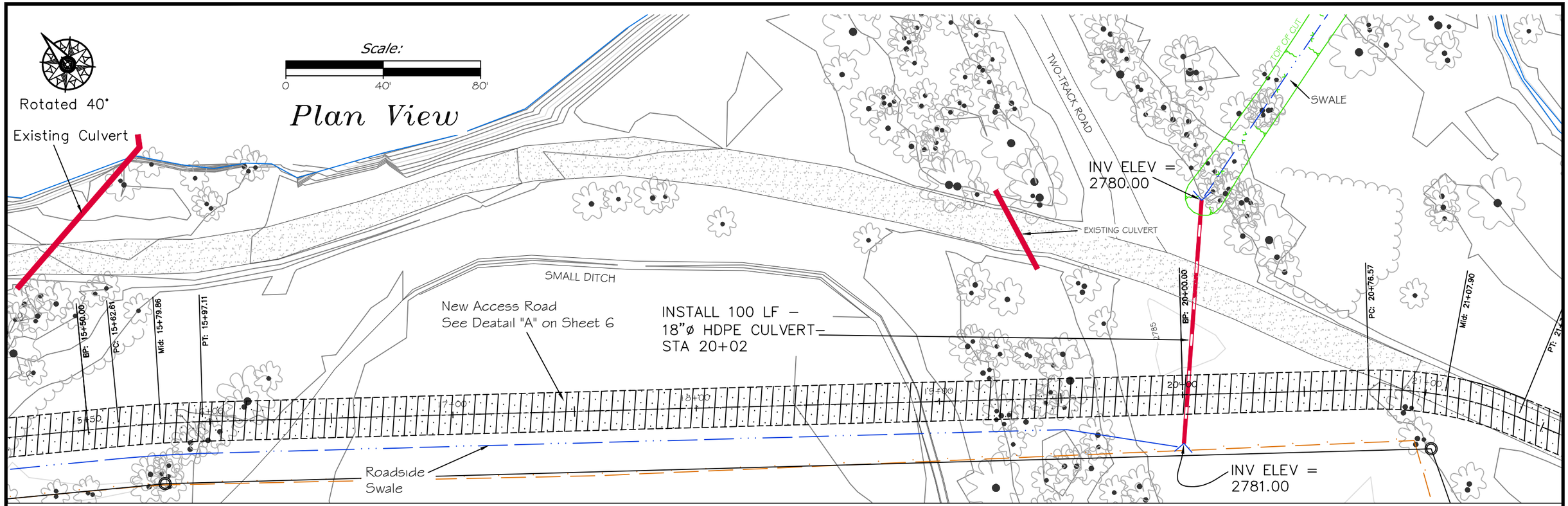
DRAWN BY: DATE:			
Phillip Jagoda August 1, 2018	APPROVED BY: DATE:	APPROVED BY: DATE:	
CHECKED BY: DATE:			

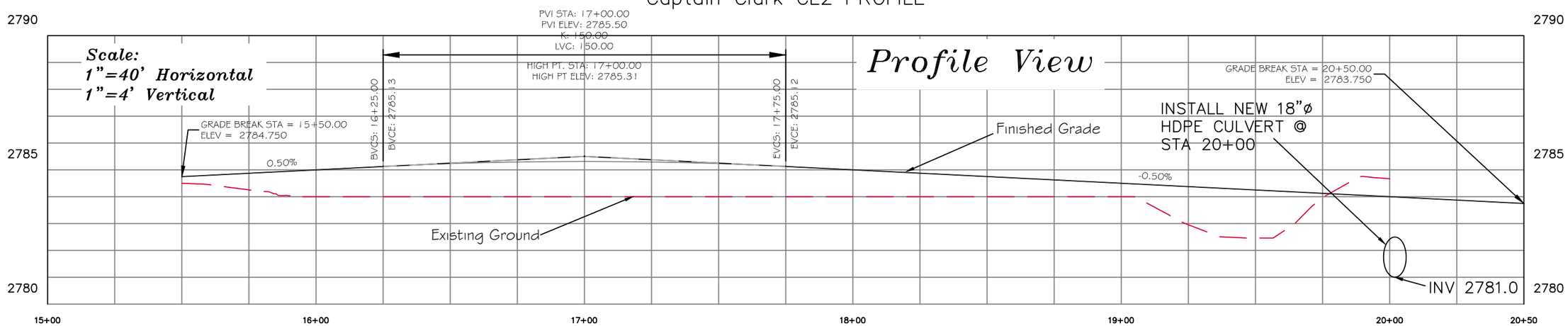
Road Plan & Profile Sta 10+00 to 15+50

Captain Clark Fishing Access Site - Access Road Relocation

SHEET: 3 of 6



Captain Clark CL2 PROFILE



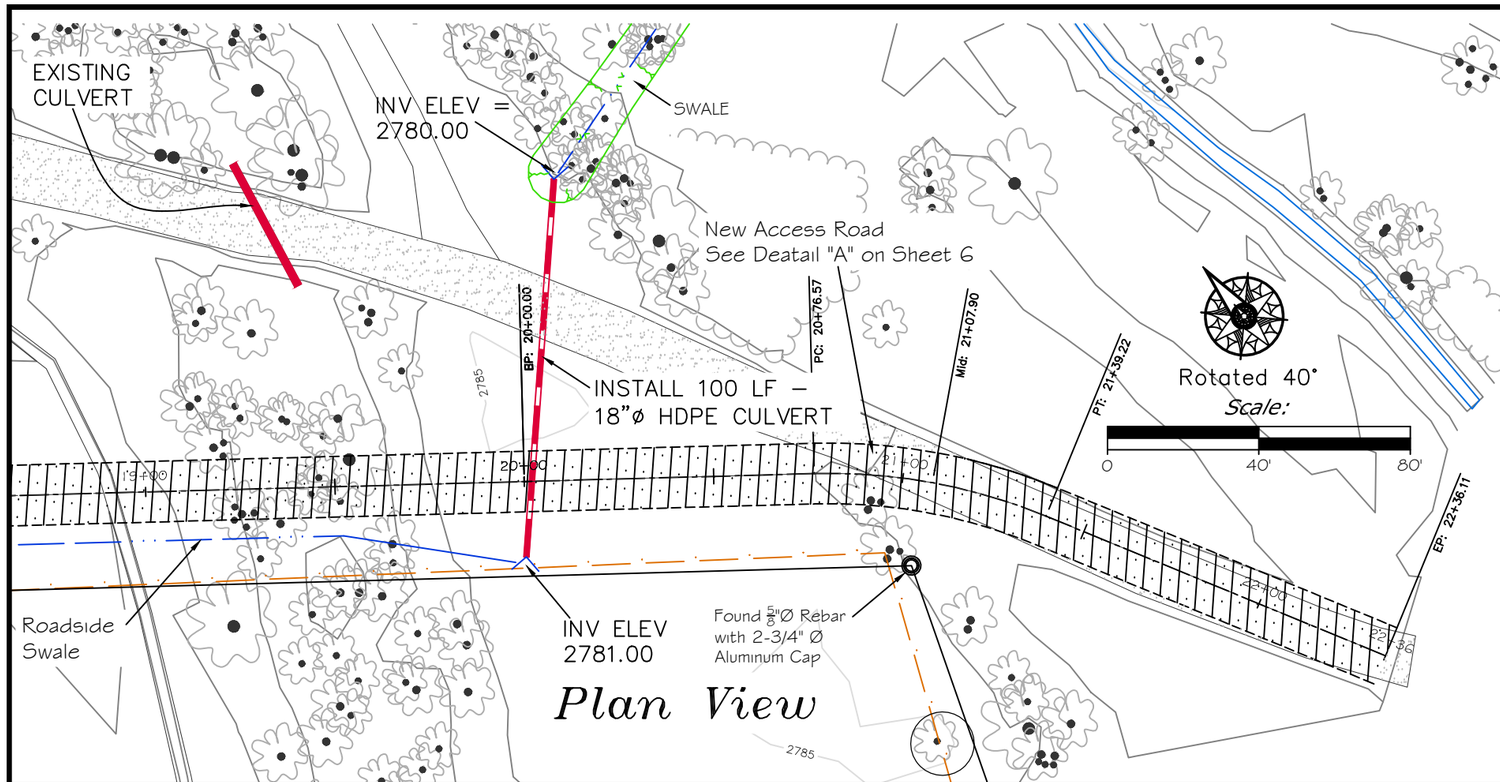
	EG	FG	EG	FG	EG	FG	EG	FG	EG	FG
EG Denotes Existing Ground & FG Denotes Finished Grade	2784.00	2785.00	2784.00	2785.31	2784.00	2785.00	2784.00	2784.50	2784.67	2784.00
	16+00		17+00		18+00		19+00		20+00	

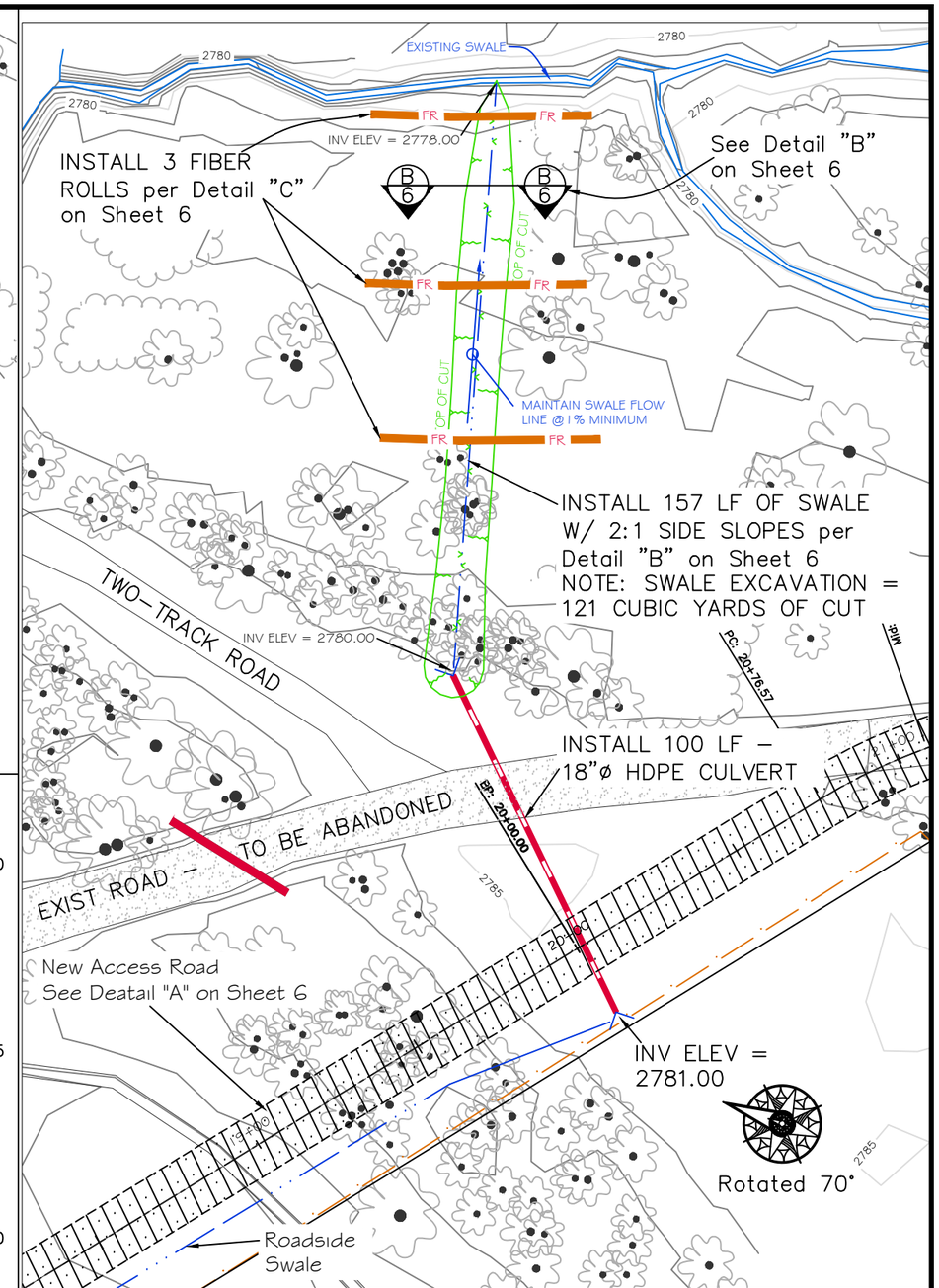
Tom Mannatt DRAWN BY: August 1, 2018 DATE:	REVISED BY: DATE:	APPROVED BY: DATE:	Montana Fish, Wildlife & Parks
Phillip Jagoda CHECKED BY: August 1, 2018 DATE:	APPROVED BY: DATE:	APPROVED BY: DATE:	

Road Plan & Profile Sta 15+50 to 20+00

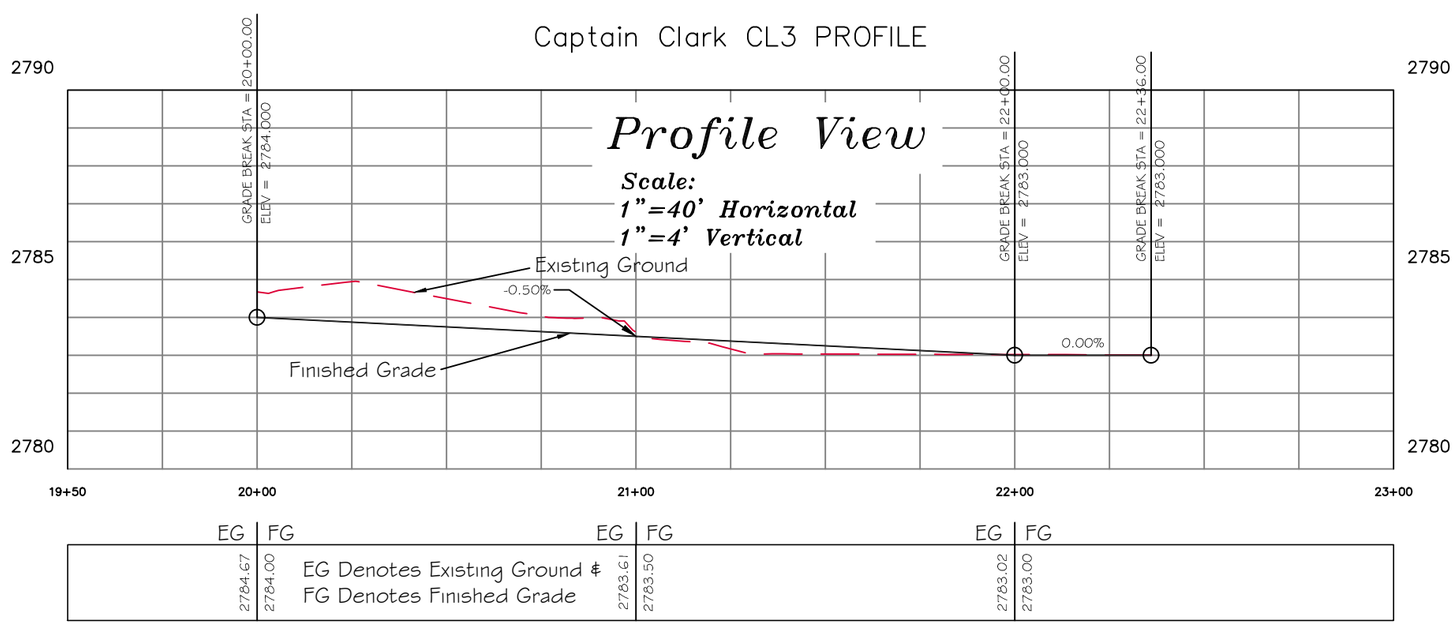
Captain Clark Fishing Access Site - Access Road Relocation

SHEET: 4 of 6





A/6 SWALE GRADING @ STA 20+00
SCALE: 1"=40'



Tom Mannatt August 1, 2018 DRAWN BY: DATE: Phillip Jagoda August 1, 2018 CHECKED BY: DATE:	REVISED BY: DATE: APPROVED BY: DATE:	APPROVED BY: DATE: APPROVED BY: DATE:	Montana Fish, Wildlife & Parks

Road Plan & Profile Sta 20+00 to 22+36.11

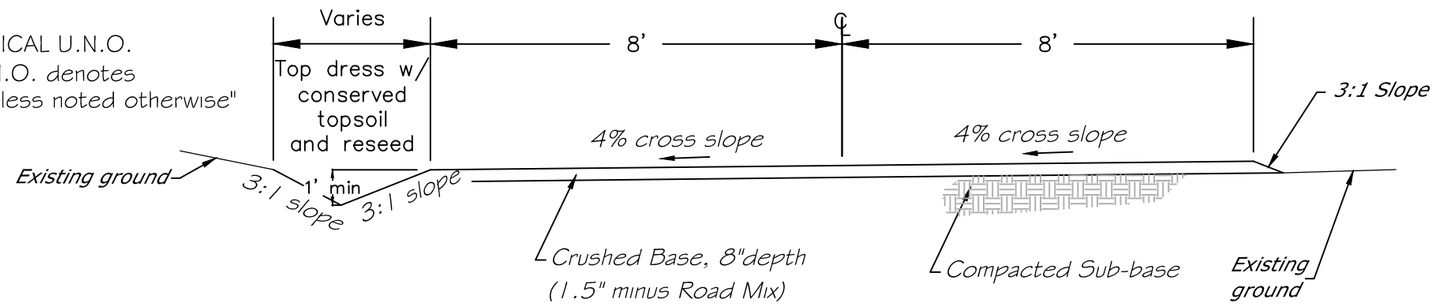
Captain Clark Fishing Access Site - Access Road Relocation

SHEET: 5 of 6

TYPICAL SECTION NO. 1 - River Access Road w/ Crushed Base

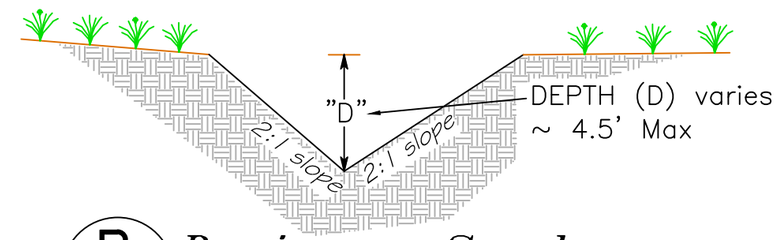
10+00 to 22+36

TYPICAL U.N.O.
U.N.O. denotes
" unless noted otherwise"



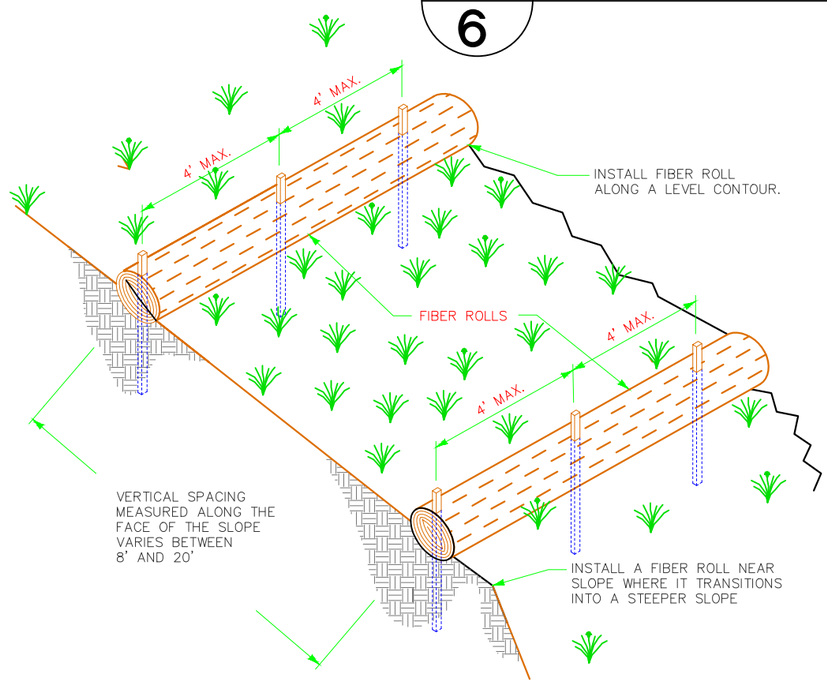
A/6 Road Cross Section

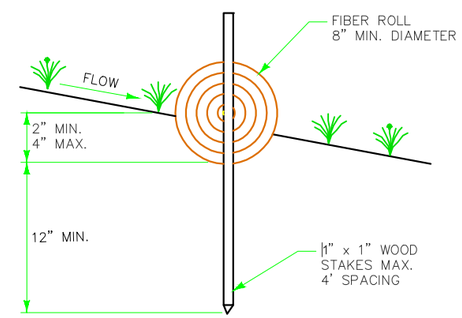
N.T.S.



B/6 Drainage Swale

N.T.S.





FIBER ROLLS: SYMBOL: FR

A FIBER ROLL CONSISTS OF EROSION CONTROL BLANKET MATERIAL THAT IS PREFABRICATED, OR ROLLED AND BOUND IN THE FIELD INTO A TIGHT TUBULAR ROLL AND PLACED ON THE FACE OF SLOPES AT REGULAR INTERVALS TO INTERCEPT RUNOFF, REDUCE ITS FLOW VELOCITY, RELEASE THE RUNOFF AS SHEET FLOW, AND PROVIDE SOME REMOVAL OF SEDIMENT FROM THE RUNOFF.

FIBER ROLLS MAY BE USED ALONG THE TOP, FACE, AND AT GRADE BREAKS OF EXPOSED AND ERODIBLE SLOPES TO SHORTEN SLOPE LENGTH AND SPREAD RUNOFF AS SHEET FLOW. ROLLS MAY BE USED AS CHECK DAMS IF APPROVED BY THE ENGINEER. FOR USE AS CHECK DAMS, PLACE FIBER ROLLS AT 50 FT. MAXIMUM SPACING OR AS APPROVED BY THE ENGINEER.

ALTHOUGH FIBER ROLLS PROVIDE SOME SEDIMENT REMOVAL, FIBER ROLLS ARE NOT TO BE USED IN PLACE OF A LINEAR SEDIMENT BARRIER (I.E., SILT FENCE, SANDBAG BARRIER, OR STRAW BALE BARRIER).

C/6 Fiber Roll (Straw Wattel)

N.T.S.

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CHECKED BY: DATE:	APPROVED BY: DATE:	APPROVED BY: DATE:	

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Details

Captain Clark Fishing Access Site - Access Road Relocation

SHEET: 6 of 6