MONTANA FISH, WILDLIFE & PARKS **SPOKANE CREEK DIVERSION & HEADWALL INSTALLATION** near Wisdom, MT Project North Location **Location Map** No Scale No Scale MONTANA FISH, WILDLIFE AND PARKS **DRAWING INDEX** DESIGN AND CONSTRUCTION Sheet Number Sheet Title MAILING ADDRESS: PHYSICAL ADDRESS: COVER SHEET 1 PO BOX 200701 1522 9th AVENUE SITE PLAN W/AERIAL 2 HELENA, MT 59620-0701 HELENA, MT 59601 3 SITE TOPO PLAN TEL 406.841.4000 DETAIL SHEET I 4 FAX 406.841.4004 5 DETAIL SHEET II https://fwp.mt.gov/aboutfwp/design-and-construction

6/25/2021

6/25/2021

APPROVED BY:

APPROVED BY:

DATE

DATE:

APPROVED BY

APPROVED BY:

DATE

DATE:

DATE:

DATE

P. Jagoda

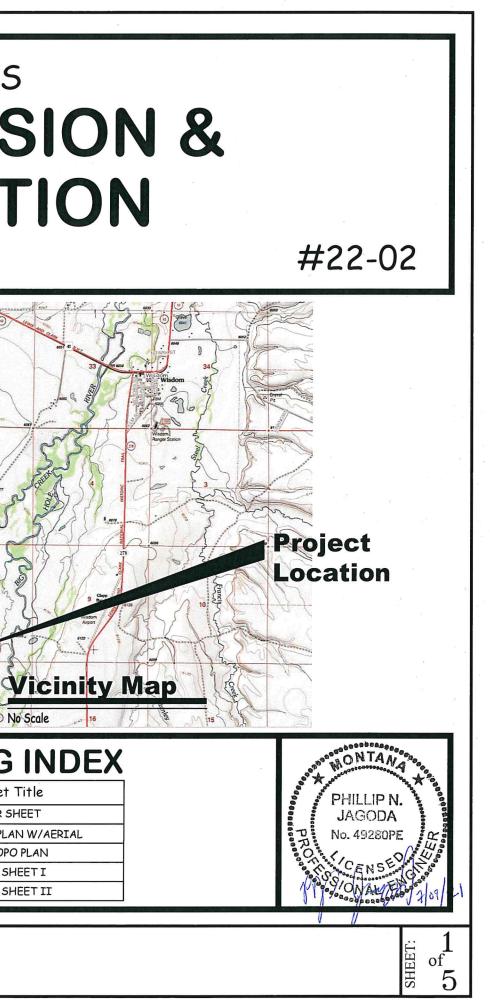
P. Jagoda

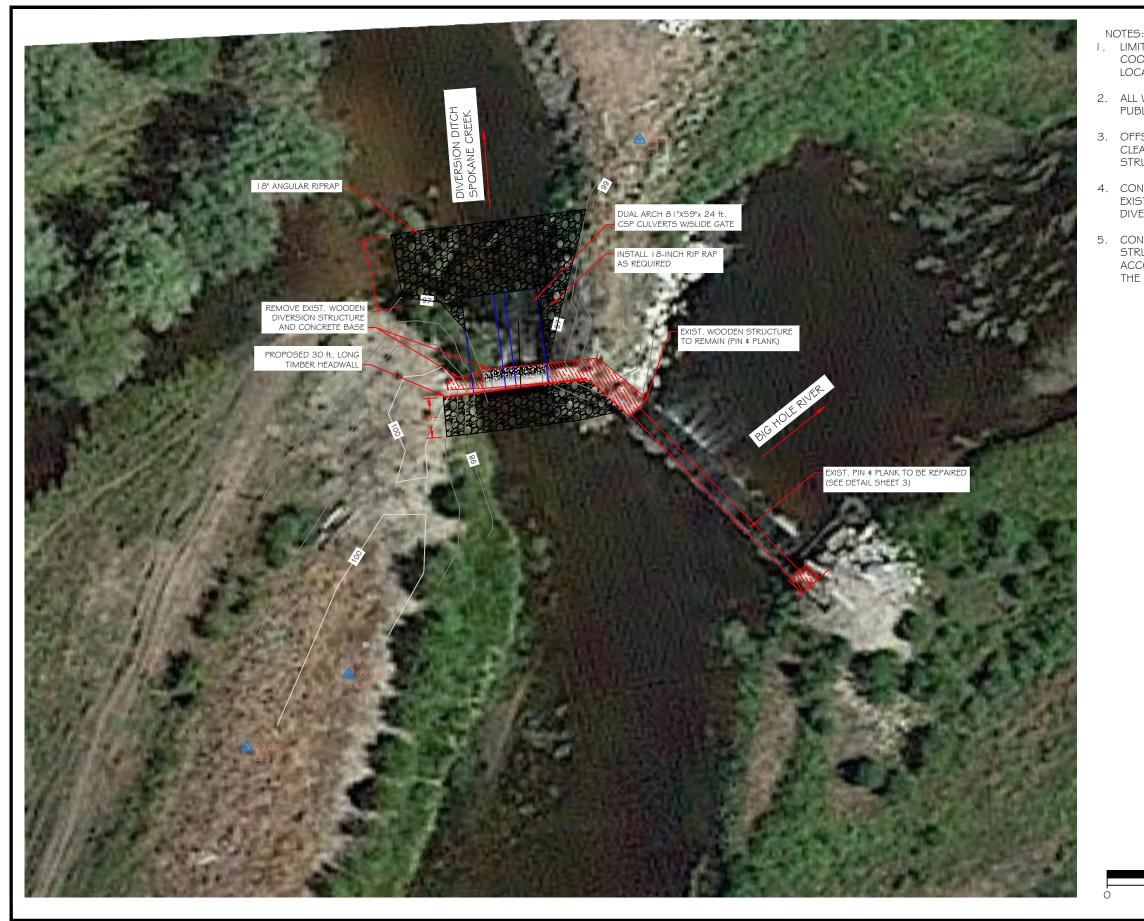
DRAWN BY

CHECKED BY

MONTANA FISH, Title S WILDLIFE & PARKS Spokane (

Title Sheet Spokane Creek Diversion





P. Jagoda 6/25/2021		
DRAWN BY: DATE:	REVISED BY: DATE:	APPROVED BY: DATE:
P. Jagoda 6/25/2021		
CHECKED BY: DATE:	APPROVED BY: DATE:	APPROVED BY: DATE:

MONTANA FISH, WILDLIFE & PARKS Site Plan w/Aerial Background Spokane Creek Diversion

I. LIMITED SITE SURVEY COMPLETED BY MONTANA FWP. HORIZONTAL COORDINATES BASED ON LOCAL CONTROL. VERTICAL DATUM BASED ON LOCAL ASSUMED ELEVATIONS.

2. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH "MONTANA PUBLIC WORKS SPECIFICATIONS", SIXTH EDITION. (MPW)

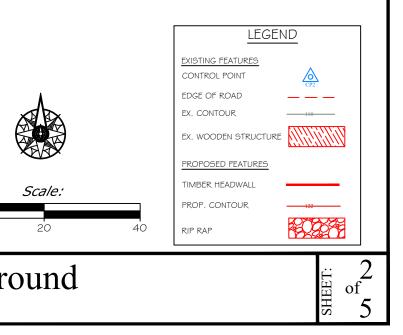
OFFSITE IMPORT MATERIAL REQUIRED TO COMPLETE EARTHWORK SHALL BE CLEAN MATERIAL, WITHOUT EXCESSIVE CLAY OR FINES, SUITABLE FOR STRUCTURAL FILL MATERIAL AND FREE OF DELETERIOUS MATERIALS.

4. CONTRACTOR WILL BE REQUIRED TO REMOVE *&* PROPERLY DISPOSE OF ALL EXISTING STRUCTURES INCLUDING BUT NOT LIMITED TO: EX. WOODEN DIVERSION, CONCRETE BASE, AND ASSOCIATED DEBRIS.

CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL DEWATERING STRUCTURES AND EFFORT NECESSARY TO PERFORM THE WORK, IN ACCORDANCE WITH ALL PERMITS RECEIVED BY MONTANA FWP. COPIES OF THE PERMITS WILL BE PROVIDED TO THE AWARDED CONTRACTOR BY FWP.

STATION	ELEVATION	DESCRIPTION	
0+00	95.00'	Ditch Bottom at Diversion	
0+13.8	93.85'	Ditch bott.	
0+44.8	91.64'	1	
1+06.2	95.27		
1+81.7	94.37'		
2+98.6	93.43'		
3+94.9	92.06'		
5+00.1	92.66'		
7+21.5	93.10'		
7+88.7	91.98'		
14+97.7	92.19'		
17+35.8	92.08		
18+71.7	91.57'	Ditch bott.	
18+92.6	91.61'	Flume	

Desc.	Northing	Easting	Elev.	
CP1	5000.0000	5000.0000	100.00	
CP2	4888.6011	4939.4096	100.81	
CP3	4873.4693	4918.1634	99.66	
CP4	5972.6186	4585.6307	95.36	
CP5	5979.6922	4566.8287	94.95	
Parshall Flume	shall Flume			
SE Corner Angle Iron	6729.3725	4587.6988	96.64	
NE Corner Angle Iron	6755.0836	4595.0799	96.70	



	10" ANGELAR REFER	NOTES: 1. LIMITED 3 COORDIN ASSUME 2. ALL WOR WORK 32 3. OFF3ITE CLEAN M STRUCTL 4. CONTRAC EXISTING DIVERSIC 5. CONTRAC STRUCTL ACCORD PERMITS FLOW T. PIN 4 PLANK TO BE REPARED T. PIN 4 PLANK TO BE REPARED
	A 99.66 CP3	
P. Jagoda 6/25/2021 DRAWN BY: DATE: P. Jagoda 6/25/2021 CHECKED BY: DATE:	REVISED BY: DATE: APPROVED BY: DATE: APPROVED BY: DATE: MONTANA FISH, Site APPROVED BY: DATE: MONTANA FISH, Site	e Plan w/Topography cane Creek Diversion

SITE SURVEY COMPLETED BY MONTANA FWP. HORIZONTAL INATES BASED ON LOCAL CONTROL. VERTICAL DATUM BASED ON LOCAL ED ELEVATIONS.

RK SHALL BE CONSTRUCTED IN ACCORDANCE WITH "MONTANA PUBLIC SPECIFICATIONS", SIXTH EDITION. (MPW).

IMPORT MATERIAL REQUIRED TO COMPLETE EARTHWORK SHALL BE IATERIAL, WITHOUT EXCESSIVE CLAY OR FINES, SUITABLE FOR JRAL FILL MATERIAL AND FREE OF DELETERIOUS MATERIALS. CTOR WILL BE REQUIRED TO REMOVE & PROPERLY DISPOSE OF ALL

STRUCTURES INCLUDING BUT NOT LIMITED TO: EX. WOODEN ON, CONCRETE BASE, AND ASSOCIATED DEBRIS.

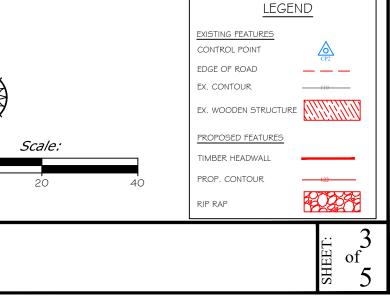
CTOR WILL BE RESPONSIBLE FOR PROVIDING ALL DEWATERING JRES AND EFFORT NECESSARY TO PERFORM THE WORK, IN DANCE WITH ALL PERMITS RECEIVED BY MONTANA FWP. COPIES OF THE WILL BE PROVIDED TO THE AWARDED CONTRACTOR BY FWP.

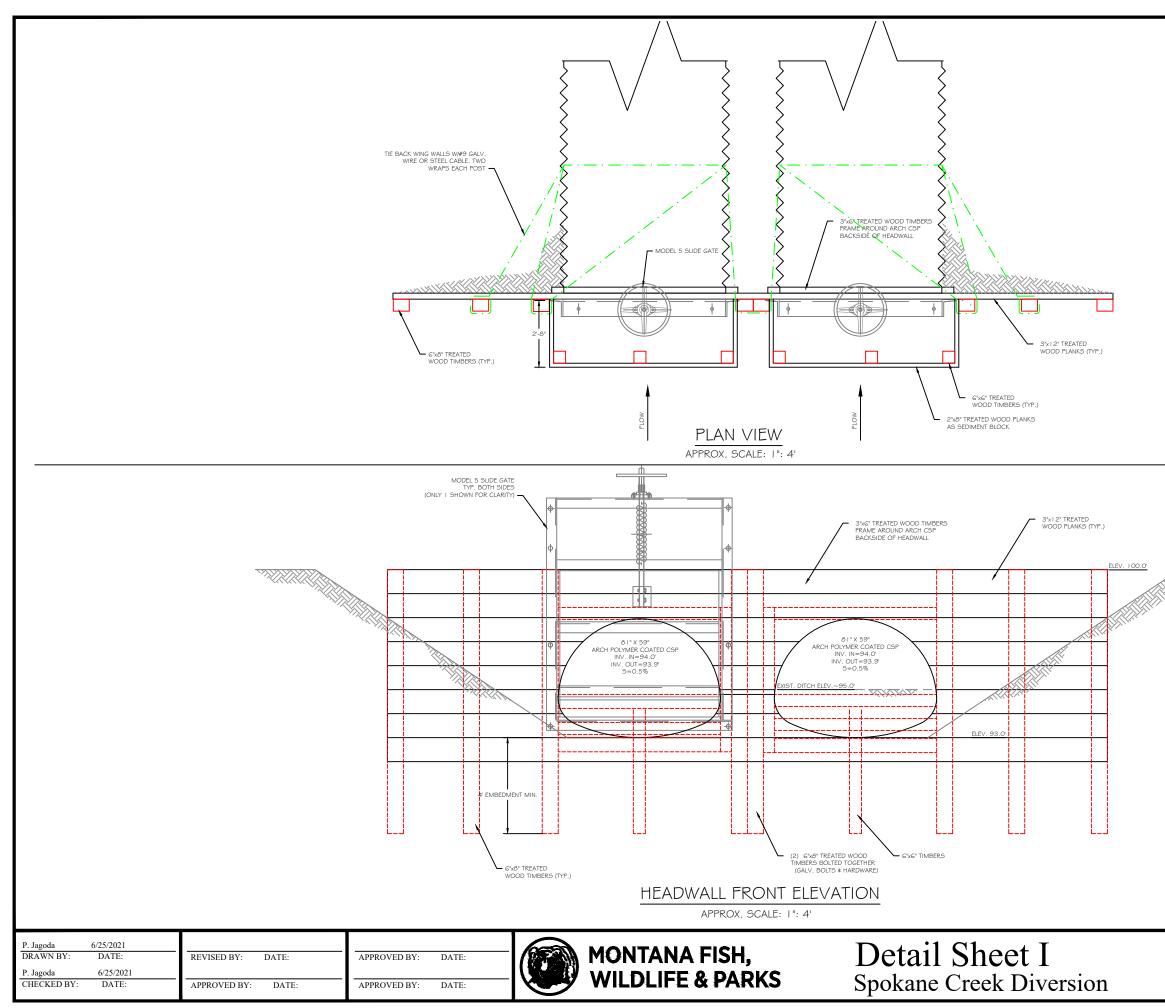
2 EA. 1/4" x 3"x3"x 3 ft. angle iron welded together	
14" ± 2 EA. 1/4" x 3"x3" Steel Plate with 5/8" dia. rod used for hinge point	
36" 2" dia. galv. pipe 3"x3" angle iron 3" long (pipe bolted for hinge point) Existing wood base to r	remain
$\frac{3}{4}$ " dia. x 6" galv. pipe with $\frac{5}{8}$ " dia. steel rod for hinge point	Cinain

Notes: I . Existing wooden foundation to remain in place. New jacks to be bolted into wood base.

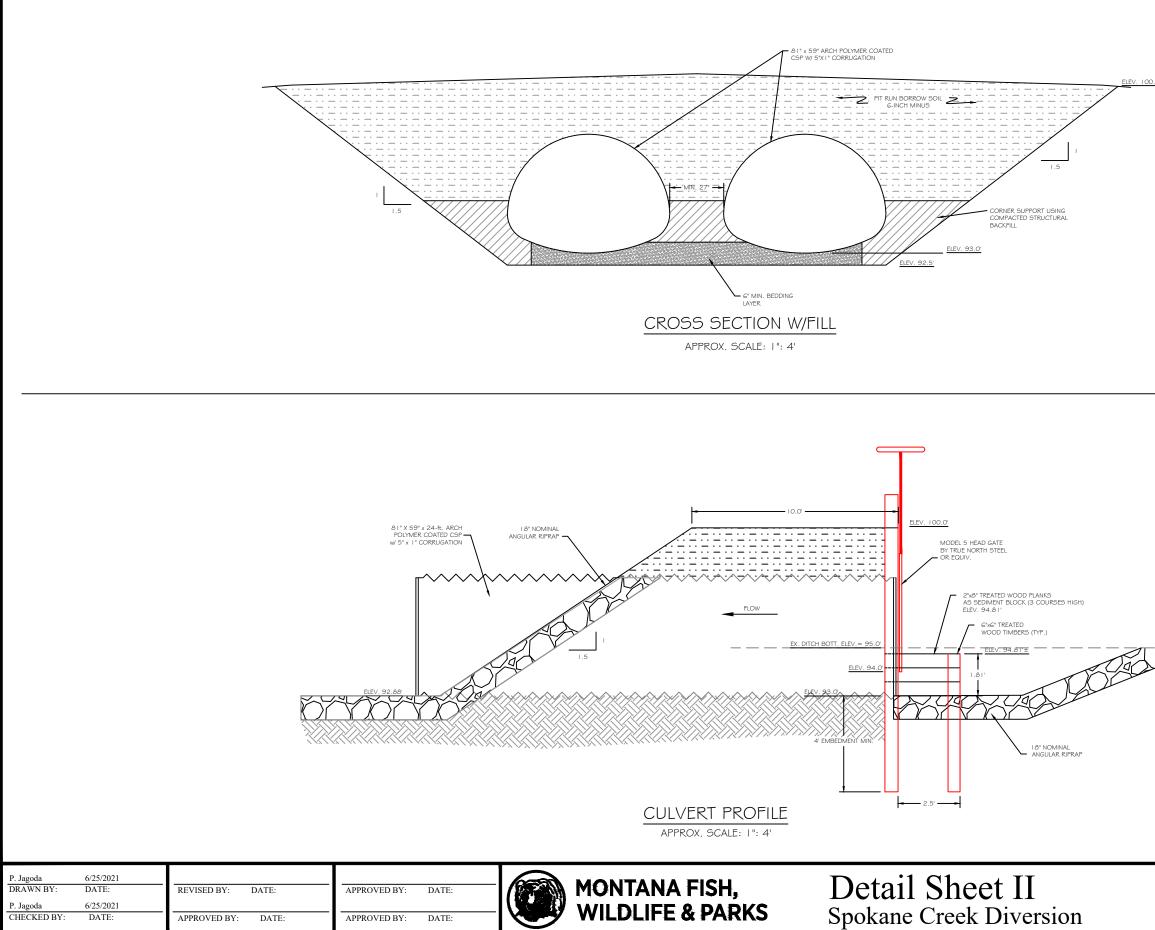
There shall be 8 new jacks installed across the river pin \$ plank diversion.
Contractor will be required to temporarily divert water around each jack to remove and replace, temporary cofferdams or other similar structure will be required. At no time shall the entire river be dammed off or diverted.

PIN & PLANK REPAIR DETAIL





		SHEET:	4 of 5



<u>10</u>		
		SHEET: steps