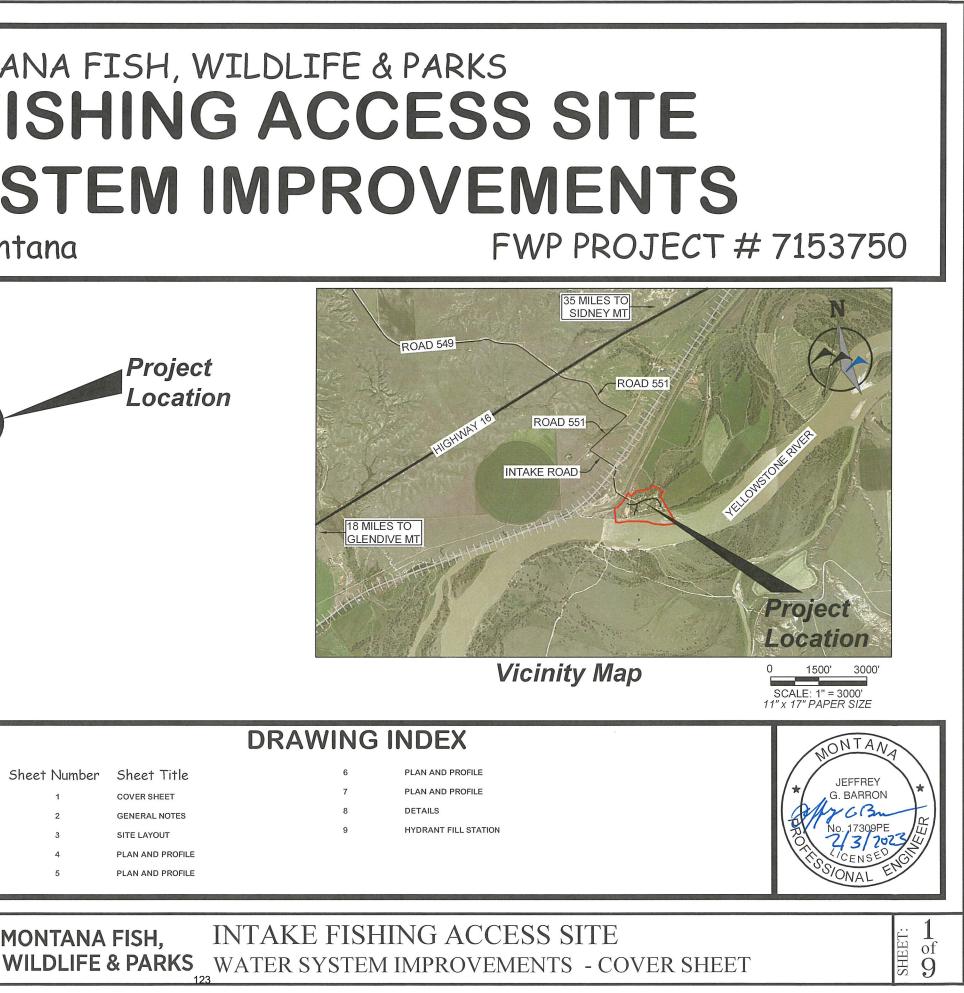
MONTANA FISH, WILDLIFE & PARKS **INTAKE FISHING ACCESS SITE** WATER SYSTEM IMPROVEMENTS

near Intake, Dawson County, Montana





Project ocation. **Location Map** No Scale WWCENGINEERING **DRAWING INDEX** MONTANA FISH, WILDLIFE AND PARKS **DESIGN AND CONSTRUCTION** Sheet Number Sheet Title MAILING ADDRESS: PHYSICAL ADDRESS: COVER SHEET PO BOX 200701 1522 9th AVENUE GENERAL NOTES HELENA, MT 59601 HELENA, MT 59620-0701 SITE LAYOUT TEL 406.841.4000 PLAN AND PROFILE FAX 406.841.4004 PLAN AND PROFILE fwp.mt.gov/Doing Business/Design&Construction CIG 6/14/202 INTAKE FISHING ACCESS SITE **MONTANA FISH,** DRAWN BY DATE REVISED BY: DATE: APPROVED BY: DATE CRW 6/14/2022

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G	ENERAL CONSTRUCTION NOTES	BLOCK LEGEND	
1.	UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS, ALL WORK SHALL CONFORM TO MPWSS, LATEST EDITION, DEQ CIRCULARS 1 AND 4, AND THESE PLANS.	EXISTING PROPOSED	EXISTING PROPOSED
2.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS REQUIRED AND CONSTRUCTION TESTING FOR CONSTRUCTION ACTIVITIES.	S SANITARY SEWER MANHOLE	WATER VENT
3.	THE CONTRACTOR SHALL RESTORE ALL ROADWAY TO EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO CONSTRUCTION, AS DETERMINED BY THE OWNER AND THE ENGINEER.	Image: Sanitary Sever Cleanout Image: Sanitary Sever Cleanout	WATER MANH
4.	THE LOCATION, DEPTH AND SIZE OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTENCE, LOCATION, DEPTH, SIZE, LINE AND GRADE OF EXISTING UTILITY CONNECTIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING FACILITIES DUE TO FAILURE TO LOCATE OR PROVIDE PROPER PROTECTION WHEN LOCATION IS KNOWN.	S SANITARY SEWER METER VAULT LS SANITARY SEWER LIFT STATION IL SANITARY SEWER FM (TEE)	♦ WATER MARKE
5.	ALL BACKFILL FOR UTILITY TRENCHES SHALL BE TYPE "A," UTILIZING TYPE 1 BEDDING, UNLESS DIRECTED OTHERWISE BY ENGINEER. SPECIFIED BEDDING SHALL BE FROM 4" BENEATH THE PIPE TO 6" ABOVE THE TOP OF PIPE (SEE MPWSS STANDARD DRAWING 02221-1). THE COST OF THIS ADDITIONAL BEDDING SHALL BE INCLUDED IN THE UNIT PRICE BID.	Image: Sanitary Sewer FM (11.25°) Image: Sanitary Sewer FM (22.5°) Image: Sanitary Sewer FM (45°)	WATER METER
6.	PIPE BEDDING (TYPE 1) AND TRENCH BACKFILL (TYPE B) SHALL BE IN ACCORDANCE WITH MPW STANDARD SPECIFICATION 02221, STANDARD DRAWING 02221-1.	□ □ SANITARY SEWER FM (90°) □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	BS WATER BOOS
7.	THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST AND EROSION DURING CONSTRUCTION AT CONTRACTOR'S EXPENSE. EROSION SHALL BE CONTROLLED IN ACCORDANCE WITH MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY REGULATIONS.	SANITARY SEWER FM FLANGE	TS WATER TEST S
8.	ALL PROFILES REPRESENT EXISTING GROUND (DASHED LINE) AND FINISHED GRADE (SOLID LINE) ALONG THE ALIGNMENTS INDICATED ON THE PLANS. ELEVATIONS ARE FINISHED GROUND ELEVATIONS.	SANITARY SEWER FM VALVE	CABLE TELEVI
9.	ALL DISTURBED AREAS SHALL BE SEEDED BY THE CONTRACTOR USING A SEED MIX APPROVED BY THE OWNER OR THE LOCAL USDA OFFICE.	SANITARY SEWER FM BF PREV.	
1(). THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF UTILITY (PHONE/POWER/CATV) INSTALLATION WITH LOCAL UTILITY COMPANIES.		
11		STORMWATER COMBO INLET	← ← POWER GUY A ← ○ ← ○ POWER GUY P
12		D Stormwater manhole PS PS stormwater pump station	P POWER MANH POWER MANH POWER MARKING
13	3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY WORK.) STORM SEWER HEAD WALL	
14		WATER FITTING BEND 11.25°	Power Pole P P P P
15		WATER FITTING BEND 45°	P POWER VAULT
16	 QUANTITIES SHOWN IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES. 	WATER FITTING CROSS	IRRIGATION SI IRRIGATION VI
17	ALL WATER PIPING BURIED OR EXPOSED TO BE PAINTED OR MARKED WITH THE COLOR BLUE. BURIED PIPE TO BE LOCATED WITH "WATER" TRACE TAPE.		
18	ALL BURIED FITTINGS, VALVES, AND APPURTENANCES TO BE ENCASED IN POLYETHYLENE WRAP AND HAVE CATHODIC PROTECTION (PROMAG H-1 20D2), OR BE COMPLETELY ENCASED IN CONCRETE.	WATER FITTING VALVE	
20	ALL WATER CONTACT MATERIALS AND CHEMICALS MUST MEET APPROPRIATE ANSI / AWWA OR ANSI / NSF STANDARDS. PROVIDE ALL CHEMICAL AND WATER CONTACT MATERIAL SUBMITTALS TO ENGINEER FOR APPROVAL PRIOR TO PROCUREMENT.	Line	E STYLE LEGEND EXISTING
2′	 SOLDERS AND FLUX CONTAINING MORE THAN 0.2 PERCENT LEAD AND PIPE FITTINGS CONTAINING MORE THAN 8 PERCENT LEAD MUST NOT BE USED ON SERVICE CONNECTIONS. 		OHTOHT
22	2. CONTRACTOR TO COORDINATE ACCESS ROUTE AND STAGING AREA WITH OWNER	-	NG NG
23	3. ALL PROPOSED PIPE AND APPURTENANCES SHALL HAVE A MINIMUM BURY OF 6 FEET AND BE CERTIFIED LEAD-FREE AND DRINKING WATER SAFE.		IR
24	4. ALL 2-INCH HDPE PIPE BENDS SHALL BE INSTALLED WITH A MINIMUM BEND RADIUS OF 30 TIMES THE OUTSIDE PIPE DIAMETER.	-	FM FM
25		-	0 0 X X [] []
	DRAWING NOTATION INDICATES CROSS SECTION LOCATION. "A" REFERS TO THE CROSS SECTION DESIGNATION. "10" REFERS TO DESIGNATION. "10" REFERS TO DESIGNATION. "10" REFERS TO THE SHEET NUMBER WHERE THE SECTION IS CUT OR SHOWN. INDICATES DETAIL LOCATION. "1" REFERS TO THE DETAIL DESIGNATION. "12" REFERS TO THE SHEET NUMBER WHERE THE SECTION IS CUT OR SHOWN.	-	F F
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	EXISTING	PROPO	SED
R VENT	F	Ē	FIBER OPTIC MANHOLE
R MANHOLE	+	•	FIBER OPTIC MARKER
REDUCER	F	F	FIBER OPTIC PULL BOX
RMARKER	Ê	仓	FIBER OPTIC PEDESTAL
YDRANT	F	F	FIBER OPTIC VAULT
R CURB STOP	•	•	NATURAL GAS MARKER
RMETER	G	G	NATURAL GAS METER
R VAULT	⊳ °⊂	Ď¢ 1	NATURAL GAS VALVE
R BOOSTER STATION	(\mathbb{T})	(\mathbb{T})	TELEPHONE MANHOLE
RWELL		t t	TELEPHONE MARKER
R MONITORING WELL	Τ	Τ	TELEPHONE PULL BOX
R TEST STATION	$\widehat{\Box}$	$\underline{}$	TELEPHONE PEDESTAL
TELEVISION MARKER		Ī	TELEPHONE VAULT
TELEVISION PULL BOX	$\langle \rangle$		TREE (DECIDUOUS)
TELEVISION PEDESTAL			TREE (CONIFER)
TELEVISION VAULT			ADA RAMP
R GUY ANCHOR			SIGN
R GUY POLE	\oplus	\oplus	BOLLARD
R MANHOLE		×	MILEPOST
R MARKER)()	CATTLE GUARD
RIC POWER METER	Θ	•	BORE LOCATION
R POLE			PROP CORNER ALUMINUM CAP
R TRANSFORMER	۲	Ø	PROP CORNER BRASS CAP
R VAULT		\boxtimes	PROP CORNER CHISELED X
T LIGHT			HIGHWAY ROW MONUMENT
TION PULL BOX	۲	۲	PROP CORNER IRON PIPE
TION SPRINKLER HEAD	۲	0	PROP CORNER LEAD & TACK
TION VALVE	۲	\diamond	PROP CORNER REBAR
TION VAULT	۲	0	PROP CORNER STONE
	۵		CONTROL POINT
	۲	\otimes	PROP CORNER PLASTIC CAP

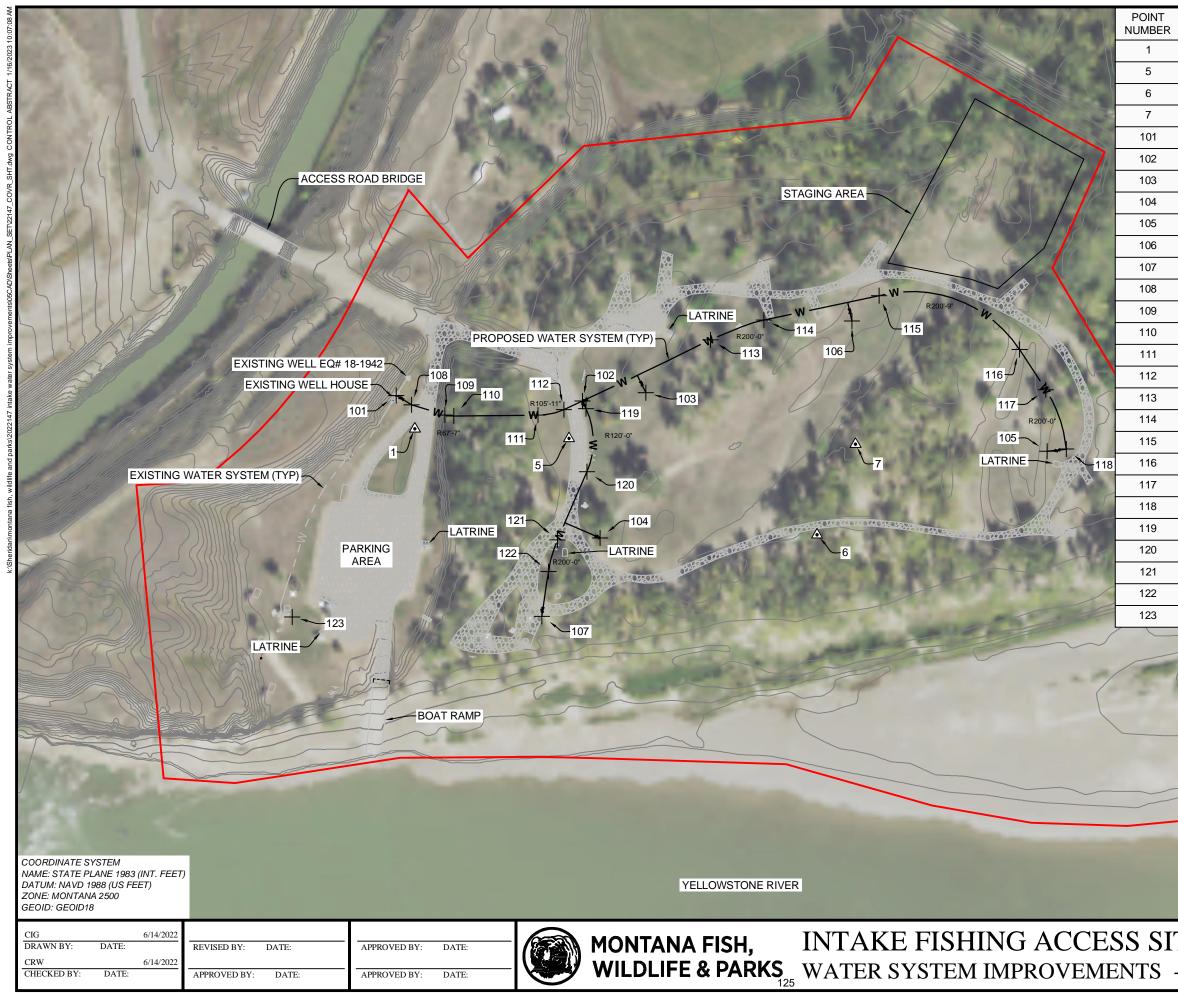
PROPOSED

	MAJOR CONTOUR
	MINOR CONTOUR
— онт — онт —	OVERHEAD TELEPHONE
— онр — онр —	OVERHEAD POWER
NG	NATURAL GAS
IR IR	IRRIGATION LINE
FO FO	FIBER OPTIC
—— FM ——— FM ———	FORCEMAIN
o o	FENCE [CHAIN]
x x	FENCE [BARBED]
[][]	FENCE [PRIVACY]
—— F ——— F ———	FIRE LINE
— онту — онту —	OVERHEAD TV
—— RW ——— RW ———	RAW WATER
— ss — ss —	SEWER
—— st ——— st ———	STORM
UGP UGP	UNDERGROUND POWER
—— UGT ——— UGT ———	UNDERGROUND TELEPHONE
—— UGTV ——— UGTV ———	UNDERGROUND TV
— w —	WATER

MONTANA FISH, INTAKE FISHING ACCESS SITE WILDLIFE & PARKS₁₂₄ WATER SYSTEM IMPROVEMENTS - GENERAL NOTES

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