CONSTRUCTION DRAWINGS FOR

FWP LEWISTOWN - HATCHERY HOUSE

2051 FISH HATCHERY ROAD LEWISTOWN, MONTANA

AUGUST 10, 2020



SHEET INDEX

SHEET NUMBER	DESCRIPTION		
C1.0	COVER SHEET / LOCATION MAP AND DRAWING SCHEDULE		
C1.1	NOTES, ABBREVIATIONS, AND LEGEND		
C2.0	VICINITY MAP		
C3.0	DRAINFIELD LAYOUT PLAN		
C4.0	DETAILS		
TOTAL 5 SHEETS			



011411777	UFOK.
QUALITY (DATE:	08-10-202
JOB NO.	20-06
FIELDBOO	
MT FWP HATCHERY HOUSE FERGUS COUNTY, MT	COVER SHEET

GENERAL NOTES

- NOTIFY ALL UTILITY COMPANIES IN WRITING, CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING EXCAVATION.
- ALL CONSTRUCTION SHALL CONFORM TO MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS (MPWSS), LATEST EDITION.
- PERMITTING AND FEES SHALL BE PAID BY CONTRACTOR AND COORDINATED WITH COUNTY PLANNING DEPARTMENT.
- RESEARCH AND IF REQUIRED SECURE MPDES STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE MONTANA DEPT. OF ENVIRONMENTAL QUALITY PRIOR TO START OF CONSTRUCTION.
- 5. PROVIDE AND MAINTAIN DUST CONTROL THROUGHOUT CONSTRUCTION.
- ELECTRONIC DESIGN FILES IN CIVIL 3D VERSION 2018 AVAILABLE FOR CONSTRUCTION STAKING
 UPON REQUEST AND EXECUTION OF TDAH! "ELECTRONIC MEDIA WAIVER OF RESPONSIBILITY" FORM.
 ANY OTHER FORMAT OR SOFTWARE WILL REQUIRE PAYMENT FOR CONVERSION.
- 7. ALL SOIL STOCKPILES MUST BE CONTAINED WITH SILT FENCE.
- 8. ALL ELEVATIONS SHOWN REFERENCE FINISH GRADES.
- EXISTING UTILITIES SHOWN ARE BASED ON FIELD SURVEY DATA AND AVAILABLE AS-BUILT DRAWING INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATING EXISTING UTILITIES AND CONFIRMING CONNECTION REQUIREMENTS PRIOR TO ORDERING NEW FITTINGS.
- ALL EXCAVATION SHALL BE TYPE 2 EXCAVATION PER OSHA AND ALL TRENCHES SHALL HAVE TYPE 'A' BACKFILL UNLESS OTHERWISE NOTED.
- PROTECT ALL EXISTING SURVEY MONUMENTATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY DISTURBED MONUMENTATION.
- 12. ALL STREET SIGNAGE TO COMPLY WITH MUTCD CURRENT EDITION.
- 13. COORDINATE ALL TRAFFIC CONTROL AND SITE ACCESS ISSUES AND PERMITTING WITH PROJECT ENGINEER OR DESIGNATED OWNER'S REPRESENTATIVE.
- REMOVE ANY OBSTACLE (FENCES, CONCRETE SLABS, SIGNS, PEDESTALS ETC.) THAT INTERFERE WITH CONSTRUCTION UPON APPROVAL OF PROJECT ENGINEER.

SANITARY SEWER NOTES

- ALL WORK TO BE PERFORMED SHALL BE IN CONFORMANCE WITH THE COUNTY SEWAGE TREATMENT SYSTEM DESIGN AND CONSTRUCTION STANDARDS, COUNTY REGULATIONS FOR SEWAGE TREATMENT SYSTEMS AND IN ACCORDANCE WITH THE APPROVED PLANS.
- ALL SANITARY SEWER LINES SHALL BE IN ACCORDANCE WITH FERGUS COUNTY DESIGN CRITERIA, STANDARDS, AND ALL OTHER COUNTY REQUIREMENTS. PERMITTING SHALL BE SECURED BY CONTRACTOR.
- ALL PORTIONS OF THE SYSTEM WILL BE A MINIMUM OF 10 FEET FROM PROPERTY LINES. THE DRAWFIELD MUST BE A MINIMUM OF 50 FEET FROM ANY CISTERN AND 100 FROM SURFACE WATER OR WELL THE SEPTIC TANK AND SEALED LINES MUST BE A MINIMUM OF 50 FEET FROM WELLD.
- THE SEPTIC & DOSING TANKS ARE TO BE LEAK TESTED PRIOR TO SERVICE. TESTING MAY BE VACUUM OR WATER PRESSURE METHODS.
- 5. SEAL ALL JOINTS IN SEPTIC TANK/DOSING TANK WITH WATERTIGHT SEALS MEETING ASTM C990-09.
- 6. GRADE SYSTEM SURFACE AND SURROUNDING GROUND TO PROVIDE POSITIVE DRAINAGE.
- MAINTAIN A MINIMUM OF 2% SLOPE TOWARDS SEPTIC TANK FROM THE BUILDING & 2% FROM SEPTIC TANK TO DRAINFIELD. ALL GRAVITY PIPES SHALL MAINTAIN A CONSISTENT GRADE.
- 8. LATERALS SHALL BE FLUSHED PRIOR TO CAPPING ENDS.
- PVC GRAVITY SEWER PIPES ARE TO BE SDR35 PVC AND SHALL MEET THE REQUIREMENTS OF ASTM D 3034-08 & ASTM D 1785-12 STANDARDS UNLESS OTHERWISE NOTED ON PLANS.
- EFFLUENT FILTER SHALL MEET ANSI/NSF STANDARD 46 FOR EFFLUENT FILTERS & INSTALLATION & MAINTENANCE INSTRUCTIONS.
- 11. PRE-CAST CONCRETE SEPTIC TANK & DOSING TANK SHALL COMPLY WITH ASTM C 1227-12, ASTM C 150-12, TYPE I, TYPE I-II OR TYPE V CEMENT.
- SEPTIC & DOSING TANK MANUFACTURER SHALL PROVIDE PLANS STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN MONTANA & INSTALLATION INSTRUCTIONS.

LEGEND

NEW EXISTING DESCRIPTION

BUILDING
CLEANOUT
CONCRETE
PENCE
PINCH
RIGHT OF WAY LINE
RIGHT OF WAY LINE
ST DT SEPTIC & DOSING TANK
SS SANTARY SENER

ABBREVIATIONS

SANITARY DRAINFIELD LATERALS

AND	&	MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS	MPWSS
AT	0	POLYVINYL CHLORIDE	PVC
CLEANOUT	co	RADIUS	R
CONCRETE	CONC	REINFORCED CONCRETE	
CONTROL POINT	CP	PIPE	RCP
DIAMETER	DIA OR Ø	SCHEDULE	SCH
ELEVATION	EL OR ELEV	SQUARE FEET	SF
FINISH FLOOR	FF	TOP OF CONCRETE	TOC
FLOW LINE	FL	TOP OF CURB	TC
INVERT ELEVATION	IE	TOP SIDEWALK	TS
LINEAR FEET	LF	TYPICAL	TYP
MAXIMUM	MAX	VERIFY IN FIELD	VIF
MINIMIM	MIN	WITH	W/

SCALING NOTE

DRAWING SHEETS PRINTED FROM ADOBE PDF ELECTRONIC FILES ARE NOT TO SCALE, VERIFY PRINTED SHEET SCALES FROM THE BAR SCALES LOCATED ON THE PLAN SHEETS

UTILITY LOCATION

THE LOCATIONS OF UNDERGROUND UTILITIES REPRESENTED ON THIS DRAWING HAVE BEEN DETERMINED FROM A FELD SURKEY AND PROM RECORDS OFFICIAL PROM THE WARDLY SITLIFY COMPANES. THE NUMBER AND CONTRACTOR SULL MAKE HIS OWN INVESTIGATION TO GREATER THE EACH THORSAITON HE COST POSSAIT OF PROTECT OR ACCESS ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL THE FOLLOWING NUMBER FOR ASSISTANCE 1406—750–5344 OR 00–551–6344.

"CALL BEFORE YOU DIG"





DRAWN BY: RCE
DESIGNED BY: RCE
QUALITY CHECK:
DATE: 08-10-2022
JOB NO. 20-060
FIELDBOOK

HATCHERY HOUSE

FWP I

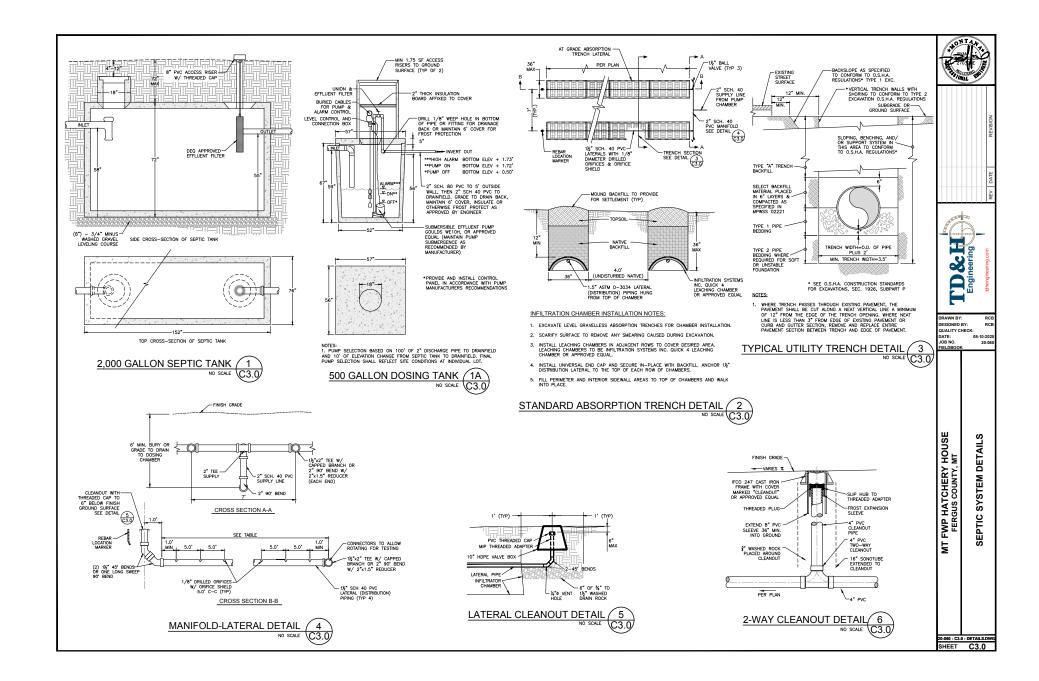
COVER SHEET

20-060 - C1.X.

-000 MT FWP_Lewstown Services/CA/DD/CINL20-000 - C1.X dwg, 8112020 4-1649 PM, RCB1

020/20-000 MT PMP_Lewistown Services/CADD/CINIL20-000 - C2.X - STEGAgdwg 8/11/20204:15:39 PM, RCB1

J.2020/20-000 MT FWP_Lewidown Service/CADDCINIL 20-000 - C2.X - SITEdwydwy, 8/11/2020 4:17:03 PM,RCB1



J.(2020)(20-00) MT PMP_Lewistown Services/CADD/CINIL20-000 - C3.0 - DETAILS dwg, 8/11/2020 4:17:04 PM, RCB