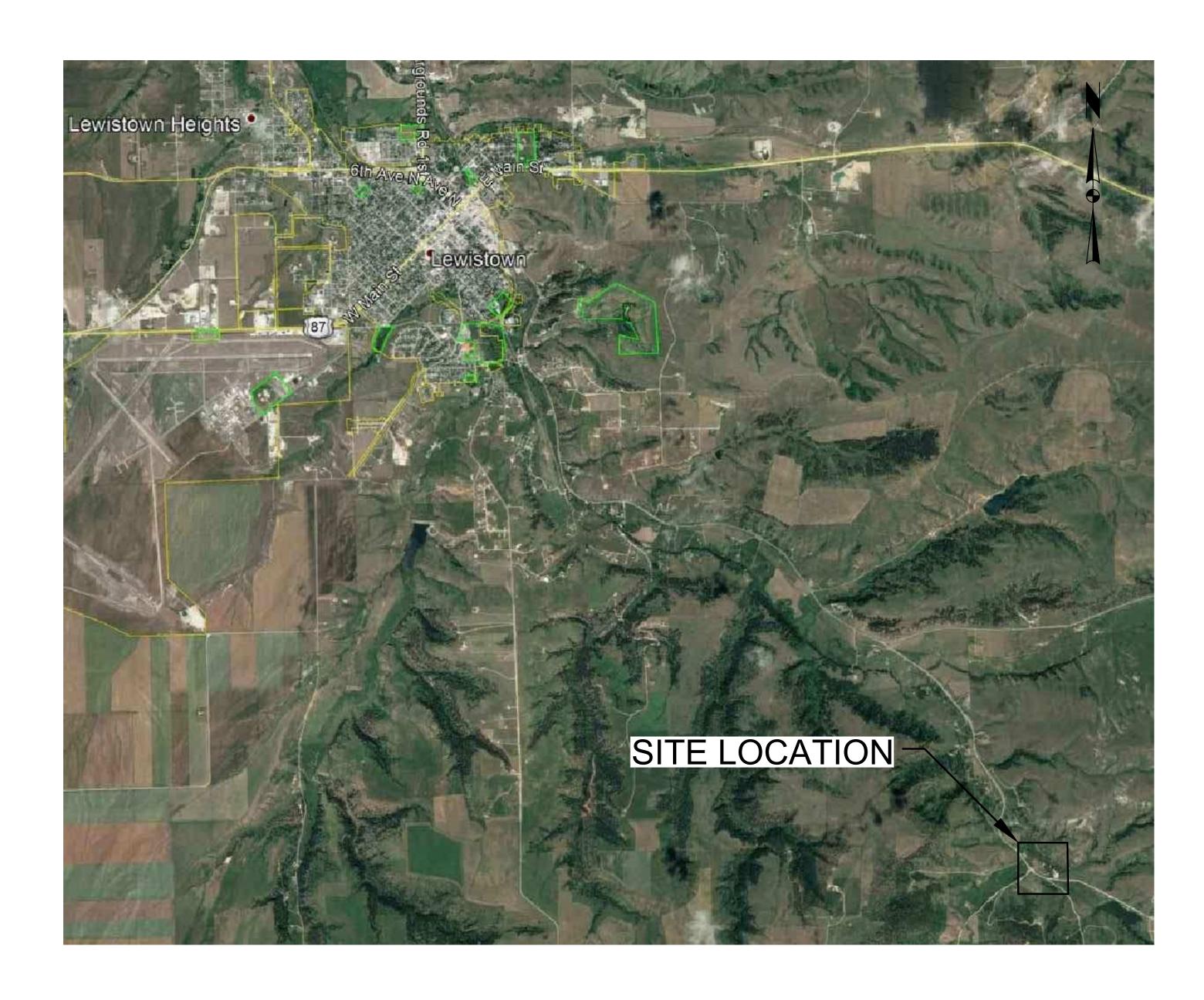
CONSTRUCTION DRAWINGS FOR

FWP LEWISTOWN - HATCHERY HOUSE

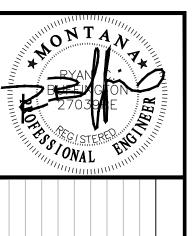
2051 FISH HATCHERY ROAD LEWISTOWN, MONTANA

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						



REV DATE REVISION



DRAWN BY: RCB
DESIGNED BY: RCB
QUALITY CHECK:
DATE: 08-10-2020
JOB NO. 20-060
FIELDBOOK

FERGUS COUNTY, MT
COVER SHEET

20-060 - C1.X.DWG SHEET **C1.0**

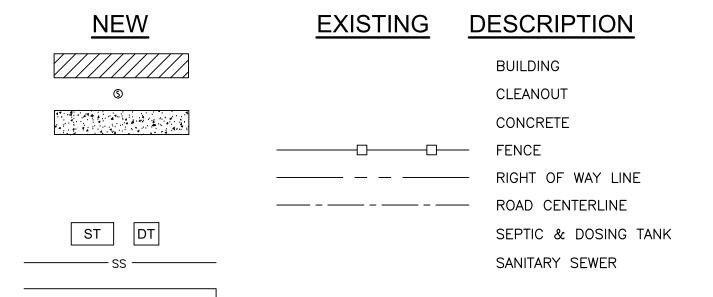
GENERAL NOTES

- 1. NOTIFY ALL UTILITY COMPANIES IN WRITING, CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING EXCAVATION.
- 2. ALL CONSTRUCTION SHALL CONFORM TO MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS (MPWSS), LATEST EDITION.
- 3. PERMITTING AND FEES SHALL BE PAID BY CONTRACTOR AND COORDINATED WITH COUNTY PLANNING DEPARTMENT.
- 4. 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.
- 6. ELECTRONIC DESIGN FILES IN CIVIL 3D VERSION 2018 AVAILABLE FOR CONSTRUCTION STAKING UPON REQUEST AND EXECUTION OF TD&H "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.
- 9. 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.
- 10. ALL EXCAVATION SHALL BE TYPE 2 EXCAVATION PER OSHA AND ALL TRENCHES SHALL HAVE TYPE 'A' BACKFILL UNLESS OTHERWISE NOTED.
- 11. 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.
- 14. REMOVE ANY OBSTACLE (FENCES, CONCRETE SLABS, SIGNS, PEDESTALS ETC.) THAT INTERFERE WITH CONSTRUCTION UPON APPROVAL OF PROJECT ENGINEER.

SANITARY SEWER NOTES

- 1. 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.
- 2. 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.
- 3. ALL PORTIONS OF THE SYSTEM WILL BE A MINIMUM OF 10 FEET FROM PROPERTY LINES. THE DRAINFIELD 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 WELLS.
- 4. 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.
- 7. 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.
- 9. 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.
- 10. 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.
- 12. SEPTIC & DOSING TANK MANUFACTURER SHALL PROVIDE PLANS STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN MONTANA & INSTALLATION INSTRUCTIONS.

LEGEND



ABBREVIATIONS

SANITARY DRAINFIELD LATERALS

AND AT CLEANOUT CONCRETE CONTROL POINT	& @ CO CONC CP	MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS POLYVINYL CHLORIDE RADIUS REINFORCED CONCRETE PIPE	MPWSS PVC R RCP
DIAMETER ELEVATION FINISH FLOOR	DIA OR Ø EL OR ELEV FF	SCHEDULE SQUARE FEET TOP OF CONCRETE	SCH SF TOC
FLOW LINE INVERT ELEVATION LINEAR FEET	FL IE LF	TOP OF CURB TOP SIDEWALK TYPICAL	TC TS TYP
MAXIMUM MINIMUM	MAX MIN	VERIFY IN FIELD WITH	VIF 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 FIELD SURVEY AND FROM RECORDS OBTAINED FROM THE VARIOUS UTILITY COMPANIES. THE NUMBER AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATION TO OBTAIN THE EXACT INFORMATION NECESSARY TO PROTECT OR ACCESS ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL THE FOLLOWING NUMBER FOR ASSISTANCE: 406-755-8344 OR 800-551-8344.

"CALL BEFORE YOU DIG"



									REVISION
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