ITEMS IN ALL AREAS.

GENERAL NOTES

- 1. THE UTILITIES AND THEIR LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND VERIFY ALL UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING UTILITY WORK, INCLUDING POLE RELOCATION, AS REQUIRED TO MEET THE PROJECT SCHEDULE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO AVOID EXISTING UTILITIES AND PERFORM ANY REQUIRED REPAIRS. IN ADDITION TO ALL UTILITY LINES, THE CONTRACTOR SHALL AVOID AND REPAIR ANY DAMAGE TO BURIED FIBER OPTIC CABLE, FIELD DRAINAGE TILES, AND PRIVATE IRRIGATION SYSTEMS. THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN UTILITIES OR OTHER SUBSURFACE LINES ARE DAMAGED.
- 2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF OVERHEAD OBSTRUCTIONS, ESPECIALLY OVERHEAD ELECTRIC LINES.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING, ADJUSTING, AND/OR HOLDING ANY UTILITY LINE AND/OR ASSOCIATED SERVICE POLE, OR DOWN GUY AT HIS OWN EXPENSE. HE SHALL ALSO BE RESPONSIBLE TO CONTACT ANY UTILITY OWNER AS NECESSARY TO RESOLVE ALL UTILITY CONFLICTS INCURRED DURING THE COMPLETION OF HIS CONSTRUCTION OPERATIONS
- 4. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DISTURBANCE, DAMAGE, OR REMOVAL OF EXISTING TREES/VEGETATION WITHIN CONSTRUCTION LIMITS, INCLUDING CANOPIES, TRUNKS, AND ROOTS. IF DAMAGE OR REMOVAL IS NON-AVOIDABLE, CONTRACTOR SHALL OBTAIN APPROVAL FROM OWNER PRIOR TO INSTALLATION WITHIN AFFECTED AREA.
- 5. ALL DISTURBED GRASS AREAS SHALL BE RESTORED WITH TOPSOIL, SEED MIX AND STRAW AS PER SPECIFICATIONS SECTION 329200. ALL DISTURBED AREAS SHALL BE RESTORED TO EQUAL TO OR BETTER THAN ORIGINAL CONDITIONS. RESTORATION SHALL BE PERFORMED TO THE SATISFACTION OF THE OWNER, THE ENGINEER, OR THEIR REPRESENTATIVES.
- 6. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND UTILITY COMPANY REGULATIONS.
- 7. HORIZONTAL OR VERTICAL BENDS, WHERE NOTED ON THE DRAWINGS, ARE PROVIDED FOR CLARIFICATION PURPOSES ONLY, AND ARE NOT ALL-INCLUSIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING QUANTITY, LOCATION, AND ORIENTATION OF BENDS AND OFFSETS ALONG FORCE MAIN ROUTE TO MAINTAIN ALIGNMENT, MINIMUM DEPTH OF COVER AND MINIMUM REQUIRED CLEARANCES FROM EXISTING AND PROPOSED UTILITIES. AS WELL AS MINIMUM PIPE BENDING RADIUS AND JOINT DEFLECTION REQUIREMENTS FOR THE PIPE AND FITTINGS BEING USED.
- 8. CONTRACTOR SHALL CLEAN STREETS OF CONSTRUCTION DEBRIS DAILY TO THE SATISFACTION OF THE OWNER AND ENGINEER. CONTRACTOR SHALL FURTHER ENSURE THAT AT LEAST ONE LANE OF TRAFFIC IS OPEN AT ALL TIMES DURING CONSTRUCTION ALONG ROADWAYS UNLESS THE CONTRACTOR HAS WRITTEN APPROVAL AND AN APPROVED TRAFFIC MAINTENANCE PLAN. CONTRACTOR SHALL NOT CLOSE ANY LANE OF A STATE HIGHWAY WITHOUT INDOT APPROVAL.
- 9. CONTRACTOR SHALL NOTIFY OWNER, ENGINEER, LAW ENFORCEMENT & EMERGENCY SERVICES, SCHOOL DISTRICT, TRASH PICK-UP SERVICE, AND AFFECTED RESIDENTS 48 HOURS PRIOR TO TEMPORARILY CLOSING ANY LANES OF TRAFFIC, INCLUDING PRIVATE DRIVEWAYS. PRIVATE DRIVEWAYS TO BE DISTURBED AND REPAIRED SHALL NOT BE SHUT DOWN LONGER THAN 8 HOURS. TRAFFIC SHALL BE BARRICADED FROM DRIVEWAY OR DRIVEWAY SHALL BE STEEL PLATE SPANNED TO ALLOW FOR MINIMUM CURING TIME. COMPLY WITH CITY REQUIREMENTS TO RECEIVE PERMIT APPROVAL FOR ALL WORK WITHIN CITY RIGHT-OF-WAY.
- 10. STREET LINES AND PROPERTY LINES SHOWN ON THIS PLAN ARE NOT THE RESULT OF DEED RESEARCH BUT TO BE CONSIDERED APPROXIMATE AND FOR REFERENCE ONLY.
- 11. LIMITS OF CONSTRUCTION SHALL BE MAINTAINED WITHIN RIGHT-OF-WAY, DENOTED EASEMENTS AND PERMITTED AREAS. THE CONTRACTOR SHALL INSURE THAT CONSTRUCTION DOES NOT DAMAGE ADJACENT PUBLIC OR PRIVATE PROPERTY. MAIN LINE AND TEMPORARY EASEMENTS ARE SHOWN ON THE DRAWINGS. OTHER TEMPORARY EASEMENTS, IF NECESSARY, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

- 12. VERTICAL DATUM = NAVD 1988, U.S. SURVEY FEET; HORIZONTAL DATUM = NAD 1983 INDIANA STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. ALL INFORMATION REGARDING HORIZONTAL AND VERTICAL CONTROL ARE BASED ON BEST INFORMATION AVAILABLE UTILIZING RECORD DRAWINGS OF THE SITE. THE ENGINEER DOES NOT GUARANTEE OR ASSURE THAT SUCH INFORMATION IS TRUE. THE CONTRACTOR SHALL DETERMINE WHICH CONTROLS CONFLICT WITH HIS WORK AND VERIFY THOSE ELEVATIONS, ETC. AND ADJUST HIS WORK ACCORDINGLY TO MAINTAIN PROPOSED ELEVATIONS RELATIVE TO THOSE VERIFIED, AND NOTIFY THE ENGINEER OF ANY SUCH CHANGE FOR APPROVAL.
- 13. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE APPROPRIATE AGENCY HAVING AUTHORITY, SUCH AS INDOT AND THE TOWN OF PENDLETON, AND ANY OTHER UNDERGROUND UTILITIES WITHIN THE PROJECT AREA.
- 14. UNLESS OTHERWISE NOTED ON THE PROFILE DRAWINGS AS A MINIMUM CLEARANCE, THE DEPTHS INDICATED ARE FOR REFERENCE ONLY. MINIMUM DEPTH OF COVER OF PROPOSED FORCEMAIN IS 5 FEET FOR ALL OPEN CUT INSTALLATIONS AND 5 FEET FOR ALL HORIZONTAL DIRECTIONAL DRILLING INSTALLATIONS. CONTRACTOR SHALL VARY DEPTH OF PROPOSED FORCEMAIN (NOT TO EXCEED 7 FT. MAX. COVER. DEPTH WITHOUT PRIOR APPROVAL FROM ENGINEER AND OWNER) AS NECESSARY TO AVOID EXISTING UTILITIES, TRANSITION BETWEEN OPEN CUT TO HORIZONTA DIRECTIONAL DRILLING AND OTHERWISE AVOID CREATION OF HIGH SPOTS ALONG ROUTE, EXCEPT WHERE AIR RELEASE VALVES ARE SHOWN ON DRAWINGS.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AN 18" MINIMUM VERTICAL SEPARATION OR A 10' MINIMUM HORIZONTAL SEPARATION BETWEEN STORM SEWER LINES, SANITARY SEWER LINES AND WATER MAINS, UNLESS OTHERWISE NOTED. PRIOR TO ANY COMPROMISE OF THESE REQUIREMENTS, WRITTEN APPROVAL SHALL BE OBTAINED FROM THE OWNER. IN THE EVENT THE SPECIFIED SPACING CANNOT BE IMPLEMENTED, PROPOSED JOINTS SHALL BE LOCATED AS FAR AS POSSIBLE FROM THE CONFLICT WHENEVER POSSIBLE. ALL UTILITY CROSSINGS SHOULD MAINTAIN MINIMUM OF 12" CLEARANCE..
- 16. ALL BENDS, VALVES, TEES AND FITTINGS SHALL BE RESTRAINED AS NEEDED PER THE FIELD CONDITIONS, SOIL TYPES AND PIPE MATERIAL BEING USED.
- 17. CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING FLOW AND PROVIDING BYPASS PUMPING AS REQUIRED DURING CONSTRUCTION OPERATIONS. SUCH FLOW SHALL BE MONITORED SO AS NOT TO ALLOW SEWAGE BACK-UP WHICH MAY CAUSE PROPERTY DAMAGE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGE INCURRED AND MUST MAKE RESTITUTION WITH ANY AFFECTED PROPERTY OWNER(S).
- 18. THE EXISTING GRAVITY SEWERS, LIFT STATIONS & FORCEMAINS SHALL REMAIN IN CONTINUOUS SERVICE THROUGHOUT THE CONSTRUCTION PERIOD UNTIL SUCCESSFUL START-UP OF THE PROPOSED FACILITIES. CONTRACTOR SHALL PROVIDE CONTINUOUS ON-SITE SUPERVISION OF ANY BYPASS PUMPING OPERATIONS THAT OCCUR DURING CONSTRUCTION & NON-CONSTRUCTION HOURS. PROPOSED BYPASS SYSTEM SHALL INCLUDE EMERGENCY STANDBY/BACK-UP PROVISIONS AND SHALL BE APPROVED BY THE OWNER AT LEAST TWO (2) FULL WORKING DAYS IN ADVANCE OF INITIATING ANY BYPASS OPERATIONS. REFER TO SPEC. SECTION 330130.
- 19. EXISTING PIPELINE MATERIALS ARE NOT KNOWN FOR ALL LOCATIONS OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS, GASKETS, APPURTENANCE, ETC. WHICH ARE REQUIRED TO MAKE A COMPLETE CONNECTION.
- 20. FCRWD WILL BE RESPONSIBLE FOR CLOSING ALL VALVES ON EXISTING SYSTEM. THE CONTRACTOR SHALL COORDINATE ALL WORK EFFORTS WITH THE OWNER.
- 21. THE CONTRACTOR SHALL REPAIR ANY DAMAGES CAUSED BY CONSTRUCTION EQUIPMENT, TRUCKS, ETC. THIS INCLUDES BUT IS NOT LIMITED TO ASPHALT TRAIL, ROADS, SIDEWALKS, ETC.

UTILITIES

ELECTRIC TOWN OF PENDLETON 100 WEST STATE ST. PENDLETON, IN 46064 765-778-2173

DUKE ENERGY TRAVIS KRICK, 317-385-1225 TRAVIS.KRICK@DUKE-ENERGY.COM

GAS

CENTERPOINT ENERGY

DISTRIBUTION TOM OCHOA

765.287.2112 W. 765.702.7386 C. THOMAS.OCHOA@CENTERPOINTENERGY.COM

TRANSMISSION

NATHAN DOWKER 812-746-1405 NATHAN.DOWKER@CENTERPOINTENERGY.COM

CABLE/PHONE/INTERNET FRONTIER 800-921-8104

ROADS

TOWN OF PENDLETON: 765-646-9240 INDOT: ANDREA THRONEBURG (317) 467-3938

SEWER

FALL CREEK REGIONAL WASTE DISTRICT 9378 S. CR 650 W, PO BOX 59 PENDLETON, IN, 46064 CONTACT: TIM MCCURDY 765-208-0178 TMCCURDY@FCRWD.COM

WATER
TOWN OF PENDLETON
CONTACT: RYAN BRASHEARS
317-315-4252
RBRASHEARS@TOWN.PENDLETON.IN.US



DRAWING INDEX	
SHEET NO.	SHEET TITLE
	GENERAL
G-00	COVER SHEET
G-01	DRAWING INDEX AND GENERAL NOTES
G-02	SYMBOLS AND ABBREVIATIONS
G-03	SURVEY CONTROL
	CIVIL
C-01	NEW LIFT STATION SITE IMPROVEMENTS PLAN
C-02	LIFT STATION PLANS AND SECTION
C-03	PLAN AND PROFILE - LINE "FM-1"
C-04	PLAN AND PROFILE - LINE "FM-1"
C-05	PLAN AND PROFILE - LINE "FM-1"
C-06	PLAN AND PROFILE - LINE "FM-1"
C-07	PLAN AND PROFILE - LINE "FM-1"
C-08	PLAN AND PROFILE - LINE "FM-1"
C-09	PLAN AND PROFILE - LINE "FM-1"
C-10	PLAN AND PROFILE - LINE "FM-1"
C-11	PLAN AND PROFILE - LINE "FM-1"
C-12	STANDARD DETAILS I
C-13	STANDARD DETAILS II
C-14	EROSION CONTROL PLAN
C-15	EROSION CONTROL DETAILS I
C-16	EROSION CONTROL DETAILS II
C-17	EROSION CONTROL DETAILS III
C-18	EROSION CONTROL DETAILS IV
	ELECTRICAL
E-01	STANDARD ELECTRICAL SYMBOLS
E-02	
E-03	ELECTRICAL CONTROL CIRCUITS I
E-04	ELECTRICAL CONTROL CIRCUITS II
E-05	LIFT STATION SITE ELECTRICAL PLAN
I-01	STANDARD INSTRUMENTATION SYMBOLS
1.00	

I-02

INSTRUMENTATION DETAILS

This document, originally issued, sealed, and signed by Joseph P Tierney, Indiana Professional Engineer, No.19300407, on July 2022, shall not be used in lieu of a certified

W PROJECT NO. 4923

ENT PROJECT NO. -
ENT PROJECT NO. -
IGHTS RESERVED: OCCUMENT IS THE PROPERTY OF ENGINEERS, INC. AND SHALL NOT SED FOR CONSTRUCTION OF SED FOR CONSTRUCTION OF SED FOR CONSTRUCTION OF OUT WRITTEN PERMISSION



DRAWING INDEX AND
GENERAL NOTES
NEW LIFT STATION AND FORCEMAIN
TOWN OF PENDLETON, INDIANA

TC FIGURED:

ADT PESIGNED:

ADT PESIGNED:

ADD PESI

N.T.S.

THIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR. GRW ENGINEERS, INC. HAS ATTEMPTED TO VERIFY THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION BUT SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

engineering | architecture | geospatial

ENGINEER/ARCHITECT: JOSEPH P. TIERNEY

CONSTRUCTION COMPANY: B.L. BROWN COSNTRUCTION

DATE: 08/29/2023