

REV.	DATE	DESCRIPTION

LIFT STATION SECTION

JOB NO.: 17264967
DATE: NOV. 2019
DESIGNED BY: JGC
DRAWN BY: JCH

- NOTES:
1. THE PRICE BID FOR FURNISHING AND INSTALLING THE LIFT STATION, INCLUDING THE WET WELL, VALVE VAULT, AND OTHER MISCELLANEOUS APPURTENANCES, SHALL INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING THE LIFT STATION AS INDICATED IN THE PLANS COMPLETE IN PLACE AND IN OPERATION. THIS PRICE SHALL INCLUDE BUT NOT BE LIMITED TO THE COST OF CONSTRUCTING AND/OR INSTALLING: COMPACTED SUBGRADE, CONCRETE PAVEMENT, ELECTRICAL CONDUIT, ELECTRICAL WIRING, DISCONNECT SWITCH, PUMP CONTROLS, ELECTRICAL POWER SUPPLY, FINISHED GRADING, LANDSCAPING, FENCING, AND ANY OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK AND PLACE THE LIFT STATION INTO SATISFACTORY OPERATION. THE PRICE BID SHALL INCLUDE ALL SANITARY SEWER PIPE AND FORCE MAIN EXTENDED OUTSIDE THE SLAB AS SHOWN IN THE SITE PLAN AND DETAILS.
 2. ALL INTERIOR PIPING SHALL BE EPOXY COATED DUCTILE IRON PIPE.
 3. PIPE PENETRATIONS THROUGH THE WET WELL, VALVE VAULT, AND CONCRETE PAD SHALL BE GROUTED WATERTIGHT WITH NON-SHRINK GROUT AND WATER STOP GASKETS AS REQUIRED.
 4. THE CONTRACTOR SHALL PERFORM AN EXFILTRATION TEST ON THE COMPLETE WET WELL. THE WET WELL SHALL BE TESTED INDIVIDUALLY BY SECURELY PLUGGING ALL INLET AND OUTLET PIPES. THE WET WELL SHALL BE FILLED TO ITS FULL DEPTH AND THEN OBSERVED FOR AT LEAST SIX HOURS. EXFILTRATION LOSS FROM THE 6-FOOT DIAMETER WET WELL SHALL NOT EXCEED THE RATE OF 1.70 GALLONS PER FOOT OF WET WELL DEPTH PER DAY. IF EXFILTRATION EXCEEDS THE MAXIMUM LIMITS, THE CONTRACTOR SHALL REPAIR THE LEAKS AND DEFECTS, AND THEN RETEST.
 5. THE CONTRACTOR SHALL SUPPORT ALL PIPING INSIDE THE WET WELL AND VALVE VAULT AS REQUIRED BY MANUFACTURER.
 6. ALL HARDWARE INSIDE THE WET WELL AND VALVE VAULTS, INCLUDING BUT NOT LIMITED TO THE GUIDE BAR, HOIST CHAIN, CHAIN CATCH, HOOKS, NUTS, BOLTS, ETC. SHALL BE STAINLESS STEEL. NYLON ROPE WILL NOT BE ALLOWED IN THE WET WELL.
 7. WET WELL AND VALVE VAULT DESIGN SHALL BE SUBJECT TO THE SAME DESIGN REQUIREMENTS AS PRECAST MANHOLES.
 8. THE INTERIOR OF THE WET WELL SHALL BE COATED WITH A SANITARY SEWER MANHOLE COATING PER SPECIFICATION SECTION 09 97 26.13 AND CITY OF WICHITA SPECIAL PROVISIONS
 9. BACKFILL UNDER AND AROUND THE WET WELL AND UNDER THE VALVE VAULTS AND PAD SHALL BE A LOW VOLUME CHANGE MATERIAL COMPACTED TO 95% ASTM D-1557.
 10. THE CONTRACTOR SHALL COORDINATE WITH EVERGY AND KANSAS GAS SERVICE TO EXTEND ELECTRIC AND GAS SERVICES TO THE PUMP STATION SITE. THE CONTRACTOR SHALL VERIFY THE ELECTRICAL AND GAS SERVICE COSTS & REQUIREMENTS PRIOR TO BIDDING. THE CONTRACTOR SHALL ALLOW A MINIMUM OF 3 WEEKS FOR THESE SERVICES TO BE COMPLETED. ALL COST INCURRED TO EXTEND THESE SERVICES TO THE SITE SHALL BE INCIDENTAL TO OTHER ITEMS IN THE PROJECT.
 11. NO ELECTRICAL CONNECTIONS WILL BE ALLOWED WITHIN THE WET WELL.
 12. CONTACT THE CITY OF WICHITA SEWER TREATMENT PLANT AT (316) 303-8701 PRIOR TO LIFT STATION START-UP.
 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMIT FEES AND OWNER SHALL BE RESPONSIBLE FOR ALL REVIEW FEES.
 14. THE UTILITY SHELTER SHALL BE PAINTED TO BLEND IN WITH THE SURROUNDINGS AND PAINTED A COLOR THAT IS SELECTED AND APPROVED BY THE OWNER.
 15. THE CONTRACTOR SHALL CONTACT THE WICHITA SEWER TREATMENT PLANT TO COORDINATE TYPE OF QUICK CONNECT TO BE USED
 16. THE CONTRACTOR SHALL VERIFY THAT THE VALVE VAULT HATCH SIZE IS ADEQUATE FOR EASY ACCESS TO EMERGENCY PUMPING CONNECTION
 17. HATCHES AND MANHOLE COVERS TO BE SET FLUSH WITH CONCRETE SLAB

