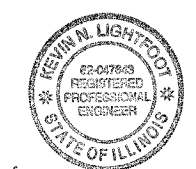


NOTES

- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (NEC MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
- COORDINATE ELECTRIC SERVICE WORK WITH THE SERVING ELECTRIC UTILITY COMPANY, AMEREN IP, ATTN MR. MARTY BEHRENS, P.E. REGIONAL ENGINEERING SUPERVISOR 501 EAST LAFAYETTE STREET BLOOMINGTON, IL. 61701 PHONE 309-823-9271 FAX 309-829-9499
- INCLUDE WEATHER PROOF ENGRAVED PHENOLIC LEGEND PLATE FOR SERVICE BREAKER LABELED "SERVICE DISCONNECT 208Y/120 VAC, 3 PH, 4W", AND A SEPARATE LEGEND PLATE LABELED "NOTE GENERATOR NEUTRAL IS ALSO BONDED TO GROUND AT SERVICE BREAKER".
- SEE PANELBOARD SCHEDULE FOR ADDITIONAL REQUIREMENTS ON THE PANELBOARD.
- PUMP MOTOR SIZES MAY VARY DEPENDING UPON MANUFACTURER. PUMP MOTOR STARTERS SHALL BE SIZED FOR THE RESPECTIVE PUMP MOTOR FURNISHED AND SHALL BE NEMA SIZE 1 MINIMUM. VERIFY REQUIREMENTS WITH THE RESPECTIVE PUMP MOTOR MFR.
- INCLUDE LEGEND PLATE ON PANELBOARD LABELED "WARNING POTENTIAL ELECTRIC ARC FLASH HAZARD" PER THE REQUIREMENTS OF NEC 110.16.
- BATTERY, BATTERY CHARGER, AND ALL GEN. SET CONTROL AND INDICATOR PANELS SHALL BE INSTALLED INSIDE THE ENGINE GENERATOR SET WEATHER PROTECTIVE HOUSING. INCLUDE 120 VAC, 20 AMP GFCI CONVENIENCE RECEPT. WITH FS BOX TO BE INSTALLED IN THE GEN SET HOUSING.
- ALL METAL CONDUITS ENTERING SERVICE ENTRANCE EQUIPMENT AND/OR THE XFER SWITCH, SHALL BE GROUNDED USING GROUNDING BUSHINGS/ GROUNDING HUBS WITH GROUND CONDUCTOR FROM BUSHING TO RESPECTIVE ENCLOSURE GROUND BUS.
- METAL CONDUIT IN DIRECT CONTACT WITH EARTH OR CONCRETE SHALL BE PVC COATED GRSC. METAL CONDUIT ENTERING THE SEWAGE PUMP STATION WET WELL SHALL BE PVC COATED GRSC OR PVC COATED RIGID ALUMINUM.
- PROVIDE NEMA 4 HUBS FOR ALL CONDUITS ENTERING ENCLOSURES THAT ARE RATED NEMA 4 OR NEMA 4X TO MAINTAIN THE NEMA 4, 4X RATING OF THE ENCLOSURE. PROVIDE NEMA 4 HUBS FOR ALL CONDUITS ENTERING THE PANELBOARD ENCLOSURE.
- SERVICE BREAKER AND GENERATOR BREAKER SHALL BE SELECTED & COORDINATED TO MAINTAIN THE WITHSTAND AND CLOSING RATING OF THE RESPECTIVE AUTO TRANSFER SWITCH. GENERATOR BREAKER SHALL ALSO BE SIZED PER THE ENGINE GENERATOR SET REPRESENTATIVE'S/MFR'S RECOMMENDATION FOR THE RESPECTIVE SET FURNISHED. AUTO TRANSFER SWITCH SHALL HAVE A 14,000 AMP (MINIMUM) WITHSTAND & CLOSING RATING WHEN USED WITH SPECIFIED BREAKERS LISTED BY THE AUTO TRANSFER SWITCH MFR. PROVIDE THIS INFORMATION WITH THE SHOP DRAWING SUBMITTAL.



Kevin N. Lightfoot
DATE: FEB. 2, 2005
EXPIRES: NOV. 30, 2005

PUMP STATION ELECTRICAL ONE-LINE
FELL AVENUE
BRIDGE REPLACEMENT

DRAWN MV 10/07/2004 DESIGNED KNL 10/07/2004
CHECKED KNL 10/09/2004 CHECKED XXX
FILE: 03S2019 DATE: 2-2-05

