CONTRACT NO. 62882 TOTAL SHEE SHEETS NO. SECTION COUNTY 958839.59 6" ALL AROUND -(1) 1" WATERPROOF CONDUIT TO ELECTRICAL 326 MCHENRY 502 206 INSTALL ELECTRICAL & CONTROL PANEL -STA. 9+35.22 TO STA.142+08.53 PANEL FOR SUMP PUMP FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ELECTRICAL DUPLEX ALUMINUM * (105X & 106) WRS-2 CONCRETE PAD -ACCESS HATCH -6" CHECK VALVE MODEL: APD300-36X64 SIMPLEX ALUMINUM WATERPROOF CONDUITS, SEE NOTE 4 WITH SAFETY NET ACCESS HATCH 6" PLUG VALVE MODEL: APS300-36X36 UPPER GUIDERAIL WITH SAFETY NET SUPPORTS N 2003716.57 E 958825.12 SLOPE FLOOR TO SUMP (TYP OF 2)))((**©**)) -6" PLUG VALVE FOR BY-PASS VENT PIPING 6" CHECK VALVE 6' DIA PRECAST REINFORCED CONCRETE (8" THICK, MIN)--6" FLBOW HINGE (TYP) 6" PLUG VALVE 6' DIA PRECAST REINFORCED CONCRETE FLEXIBLE COUPLING OR MECHANICAL JOINT WITH THRUST TIES (TYP) (6" THICK, MIN) **WET WELL DETAILS PLAN VIEW** -STAINLESS STEEL SIMPLEX ALUMINUM PUMP LIFTING CHAIN ACCESS HATCH STAINLESS STEEL FLOAT MOUNTING DUPLEX ALUMINUM ACCESS HATCH LEVEL SWITCHES -6" PLUG VALVE FOR BY-PASS PUMPING W/ PLUG -PRECAST CONCRETE COVER (6" THICK, MIN) AASHTO HS-20 TRUCK LOAD— TWO PUMPS ON ELEV: 875.25 SEE NOTE 8, (TYP) BEND - VENT PIPING VENT PIPING-ONE PUMP ON ELEV: 874.25 6" (TYP) -FINISH GRADE ELEV 889.0 TOP OF STATION ELEV 889.5 PUMPS OFF ELEV: 871.37 LWL ALARM ELEV: 870.37 TO CONTROLS -PLUG VALVE **NOTES:** WATERPROOF 6" 90° BEND CONDUIT (TYP) SEE NOTE 4 — - 6" 90° BEND 1. LIFT STATION TO BE INSTALLED BY AN EXPERIENCED AND QUALIFIED CONTRACTOR. WATERPROOF RUBBER BOOT OR LINK SEAL (TYP)-CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS, PIPING LAYOUT, AND ORIENTATION OF INLET(S), DISCHARGE AND CONDUIT(S). ELEV 883,25 NEMA 3R FREESTANDING 3. ALL CONCRETE, PIPING & VALVES ARE TO BE PROVIDED BY CONTRACTOR, UNLESS NOTED OTHERWISE. 2" STAINLESS STEEL SCHED. 40 GUIDE RAILS —— STEEL TRAFFIC BOX MIN. ALL AROUND ENCLOSURE APPROX. 4. PROVIDE WATERPROOF CONDUITS AS FOLLOWS:
(1) 2" FOR LEVEL SWITCHES
(1) 2" FOR EACH PUMP POWER CORD AND
(1) 1" FOR LEVEL TRANSDUCER 60"H×72"W×21"D SUBMERSIBLE LEVEL SWITCHES (BACK-UP) ———— -STATION LIGHT WITH PHOTOCELL -6" MIN CRUSHED STONE BEDDING ON UNDISTURBED SOIL 5. CONTRACTOR TO ORDER CONTROL AND POWER CORDS OF SUFFICIENT LENGTH TO REACH CONTROL PANEL FROM POINT OF ORIGIN WITHOUT SPLICING. -MAIN DISCONNECT 1/3 H.P. SUMP PUMP-METROPOLITAN PUMP MODEL NUMBER ARE INDICATED. CONTRACTOR CAN SUBSTITUTE OTHER ALTERNATES OF SIMILAR QUALITY AND PERFORMANCE FOR APPROVAL. ·1 1/2" SCH 40 PVC SUMP PUMP DISCHARGE, PITCHED TO WET WELL -6" MUELLER SWING CHECK VALVE, A-2122-6 OR EQUAL (TYP) GENERATOR 10" SANITARY PVC SDR 26 @0.28% — RECEPTACLE 7. STAINLESS STEEL HARDWARE SHALL BE USED THROUGHOUT: CHAINS, NUTS, BOLTS, ETC. -18" DIA BY 18" SUMP PIT WITH 6" THICK WALLS & FLOOR 8. EXPOSED CONCRETE CORNERS: CHAMFER 1". MANUAL 6" D.I.P. (TYP) CONTROL TRANSFER 9. CONTRACTOR IS RESPONSIBLE FOR PREVENTION OF FLOATATION OF STRUCTURES DURING CONSTRUCTION. ALARM LIGHT-INTERMEDIATE GUIDERAIL SUPPORTS PANFI SWITCH ELEV 877.25 ~>> 84"×66" 10. REINFORCING CONCRETE COVER 2", 3" IF AGAINST EARTH. SUBMERSIBLE LEVEL TRANSDUCER REINFORCED CONCRETE PAD, SUBMERSIBLE NON-CLOG SEWAGE PUMP MODEL: S4NX500 LOCATE AND INSTALL PER MANUFACTURER RECOMMENDATIONS 11. ALL REINFORCING TO CONFORM TO ACI 318. (PRIMARY) 12 STEEL REINFORCED (14" WIDE POLYURETHANE STEPS @ 16" O.C. AND EXTENDING 7" FROM WALL, FIRST STEP @ 11" FROM ACCESS DOOR BOTTOM. 8" THICK 10Ibs CAST IRON ANCHOR W/STAINLESS STEEL CHAIN FLOAT MOUNTING SYSTEM — 13. PRECAST OR POURED CONCRETE BASE, ROUND OR SQUARE AT CONTRACTOR'S OPTION. REINFORCE WITH #5 @ 10" E.W., TOP AND BOTTOM. 6" X 4" ECCENTRIC REDUCER 4" M-T-M SEALING FLANGE GROUT (TYP) 14. CONCRETE PIPE SADDLE SUPPORTS. 4" M-T-M DISCHARGE ELBOW ELEV 868.43 FUTURE SCADA TO LIFT STATION -MIN. ALL AROUND (BY OTHERS) CONCRETE FILLET SLOPE 1:1 REVISIONS NAME ILLINOIS DEPARTMENT OF TRANSPORTATION BOLT BASE PER MANUFACTURER RECOMMENDATIONS **ILLINOIS ROUTE 47** WATERPROOF CONDUITS, 6" MIN CRUSHED STONE BEDDING ON UNDISTURBED SOIL SEE PLAN VIEW LIFT STATION DETAILS DISCHARGE ELBOW **CONTROL ENCLOSURE** Stanley Consultants INC. STATION PROFILE SCALE: VERT. NO SCALE HORIZ. NO SCALE DATE: 8/5/2009 8501West Higgins Road, Suite 730, Chicago, Minois 60631-2801 www.stanleygroup.com Hinois Firm Registration No.4 184-001533 DRAWN BY: E.D.

DATE NAME SCALE NAME

VILLAGE OF HUNTLEY UTILITY PLAN **SHEET 20 OF 24**

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