



GENERAL ABOVE GROUND CONDUIT RUN
SHOWING COUPLING AND CONNECTOR

- CONDUIT NOTES:

1. UNDERGROUND CONDUIT SCHEDULE 80 PVC 1.5" MIN.
2. CONDUIT ABOVE GROUND TO CABINETS SCHEDULE 80 PVC NEMA TC-2 SUNLIGHT RESISTANT 1.5" MIN.
3. UNDERGROUND PVC COUPLED TO ABOVE GROUND PVC WITH A PVC COUPLING. MANUFACTURER: CARLON
4. ABOVE GROUND PVC CONNECTED TO RTU AND MCC USING A PVC CONNECTOR.
5. BACK FILL SOIL TO EXISTING GRADE (IF TRENCHING UNDER CONCRETE SLAB MUST BACK FILL WITH COMPACTED SUBGRADE UNDER CONCRETE SLAB, 95% MAX. DENSITY).
6. REPAIR CONCRETE SLAB TO MATCH EXISTING SLAB THICKNESS.

ABOVE AND UNDERGROUND ELECTRICAL RACEWAY DETAILS

NOT TO SCALE



- NOTES:

1. ALL SUPPORT MATERIALS SHALL BE 316 S.S. AFTER FINAL HEIGHT ADJUSTMENT.
2. FOR FORCE MAINS LARGER THAN 10" SIZE, THE COMPONENTS OF THE VALVE SUPPORT SHALL BE ENLARGED AS APPROVED BY JEA.
3. THERE SHALL BE TWO PIPE STANDS FOR THE SUCTIION PIPE AND TWO PIPE STANDS FOR THE DISCHARGE PIPE FOR A TOTAL OF FOUR PIPE STANDS. COORDINATE WITH THE GRID COORDINATOR ON THE EXACT LOCATION OF EACH PIPE STAND.
4. PROVIDE A 1'X1'X1' CONCRETE PAD TO SECURE THE PIPE SUPPORT TO UNLESS THERE IS AN EXISTING CONCRETE PAD THAT CAN BE UTILIZED.

NOT TO SCALE

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH JEA WATER AND WASTEWATER STANDARDS, SECTION 433, "SUBMERSIBLE SEWAGE PUMPING STATIONS".
2. ALL VALVES AND FITTINGS TO BE DUCTILE IRON AND LINED IN ACCORDANCE WITH JEA WATER AND WASTEWATER STANDARDS, SECTION 429, "WASTEWATER FORCE MAINS".
3. PENETRATIONS INTO WET WELL SHALL BE SEALED w/ EUCOLASTIC BY EUCLID CITEM CO. OR APPROVED EQUAL SEAL.
4. ALL PIPING SHALL BE FLANGED 316 STAINLESS STEEL, (SCHEDULE 10, ONE PIECE CONSTRUCTION). BUTT WELDING OF PIPING IS NOT ALLOWED. ALL NUTS, BOLTS AND ACCESSORIES WITHIN THE WET WELL SHALL BE 316 STAINLESS STEEL.
5. FLOAT, SCADA AND CHARGING CONDUITS TO ENTER PONY PUMP ENCLOSURE AS SPECIFIED BY PUMP MANUFACTURER. COORDINATE WITH JEA GRID COORDINATOR FOR CONNECTION OF CONDUITS TO EXISTING CONTROL PANEL.
6. FLOAT CONDUIT TO CONTAIN FLOAT WIRES CONNECTING FLOATS IN WET WELL TO PONY PUMP.
7. SCADA CONDUIT TO CONTAIN DATA WIRE FROM PONY TO CONTROL PANEL INDICATING RUN/STOP DATA.
8. THE PONY PUMP BATTERY SHALL BE CAPABLE OF PROVIDING CONTINUOUS AND UNINTERRUPTED POWER SUPPLY TO JEA'S SCADA SYSTEM. FOR 12V ENGINE CONFIGURATIONS, THE BATTERY MUST PROVIDE 5 AMPS 12VDC CONTINUOUS TO DC INVERTER LOCATED WITHIN THE RTU PANEL. FOR 24V ENGINE CONFIGURATIONS, THE BATTERY MUST PROVIDE 3 AMPS 24VDC CONTINUOUS TO THE RTU PANEL. CHARGING CONDUIT TO CONTAIN CABLES CAPABLE OF PROVIDING THE REQUIRED VOLTAGE AND AMPERAGE BASED ON THE ENGINE VOLTAGE CONFIGURATION.
9. PONY PUMP SHALL BE EQUIPPED WITH A MAGNETIC CHECK VALE WITH LIMIT SWITCH TO INDICATE THAT THE CHECK VALVE IS CLOSED. THE LIMIT SWITCH SHALL BE MANUFACTURED BY GO SWITCH LIMIT SWITCH AND BE MODEL #1.
10. IF THE EXISTING CONCRETE SLAB IS OF SUFFICIENT THICKNESS TO MEETS THE PONY PUMP MANUFACTURE'S REQUIREMENTS, THEN THE PONY PUMP SHALL BE INSTALLED ON THE EXISTING SLAB. IF NOT, THEN THE EXISTING SLAB SHALL BE CUT TO THE REQUIRED DIMENSION OF THE NEW PAD AND A NEW CONCRETE PAD POURED IN PLACE. UNLESS SPECIFIED OTHERWISE, OR APPROVED BY JEA, THE FINISHED GRADE OF THE NEW PAD SHALL MATCH THE GRADE OF THE EXISTING SURROUNDING CONCRETE.
11. PONY PUMP SYSTEM SHALL BE SECURED TO THE RESPECTIVE CONCRETE FOUNDATIONS PER PUMP MANUFACTURERS REQUIREMENTS.
12. ALL DRAIN PORTS FROM THE PONY PUMP SHALL BE PIPED THROUGH A SINGLE PIPE INTO THE WET WELL. THE PIPE SHALL BE SIZED BY THE PUMP MANUFACTURER AND SHALL BE NO LESS THAN 1" SCHEDULE 40 PVC. WHERE INSTALLED IN NO-CONCRETE AREAS, THE PIPE SHALL BE BURIED AND CORED INTO THE SIDE OF THE WET WELL. WHERE AN EXISTING CONCRETE SLAB PREVENTS BURYING THE DRAIN PIPE, THE PIPE SHALL BE LAID ON, AND SECURED TO, THE CONCRETE SLAB. THE ROUTE THE PIPE SHALL BE UNDER AND FOLLOWING THE SUCTION PIPING TO AVOID CREATING A TRIP HAZARD AND SHALL ENTER THE TOP SLAB OF THE WET WELL. WHEN A CORE IS REQUIRED FOR THE SUCTION PIPE, CORE A LARGE ENOUGH HOLE TO ACCOMMODATE THE DRAIN AS WELL. WHERE A SUCTION PIPE ALREADY EXISTS, CORE A NEW HOLE INTO THE TOP SLAB AS CLOSE AS POSSIBLE TO THE EXISTING SUCTION PIPE AND REPAIR THE HOLE AS IN INDICATED ON THE DESIGN DRAWINGS.
13. PONY PUMP SHALL BE EQUIPPED WITH A PRESSURE TRANSDUCER ON THE OUTLET. THE TRANSDUCER IS TO BE 2-WIRE LOOP POWERED 2-20mA ANALOG OUTPUT WITH A RANGE OF 0-100PSIG, ONE SERIES MANUFACTURED BY UNITED ELECTRIC CONTROLS AND MODEL NUMBER 1XT00.
14. ALL CONDUITS COMING FROM THE WET WELL TO BE SEAL WITH JEA WATER AND WASTEWATER STANDARDS, SECTION 433, "SUBMERSIBLE SEWAGE PUMPING STATIONS".
15. WET WELL CORES OF EXISTING LININGS TO BE REPAIRED BY OTHER.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ANY BYPASS PUMPING AND DISPOSAL WHICH MAY BE REQUIRED DURING THE PROJECT.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILLING THE PONY PUMP FUEL TANK PRIOR TO COMPLETION.
18. ALL PANELS THAT WILL BE INSTALLED OVER CONCRETE SHALL CORE BORE HOLES INTO THE CONCRETE UNLESS NEAR THE EDGE OF THE SLAB THEN CUTTING A SQUARE OUT AND REPLACING WITH NEW CONCRETE IS ACCEPTABLE.

NO. SHEETS 6	PROJ. NO.	<div> <div>LS-002197</div> <div>900 STARRATT RD</div> <div>PONY PUMP INSTALLATION</div> </div>		DESIGNER: LLOYD HENRY DRAWN BY: LLOYD HENRY DATE: 01/26/2018 CHECKED BY: CHRIS RECHART DATE:	DESIGN ENGINEER	NO.	BY	DATE	REVISIONS
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