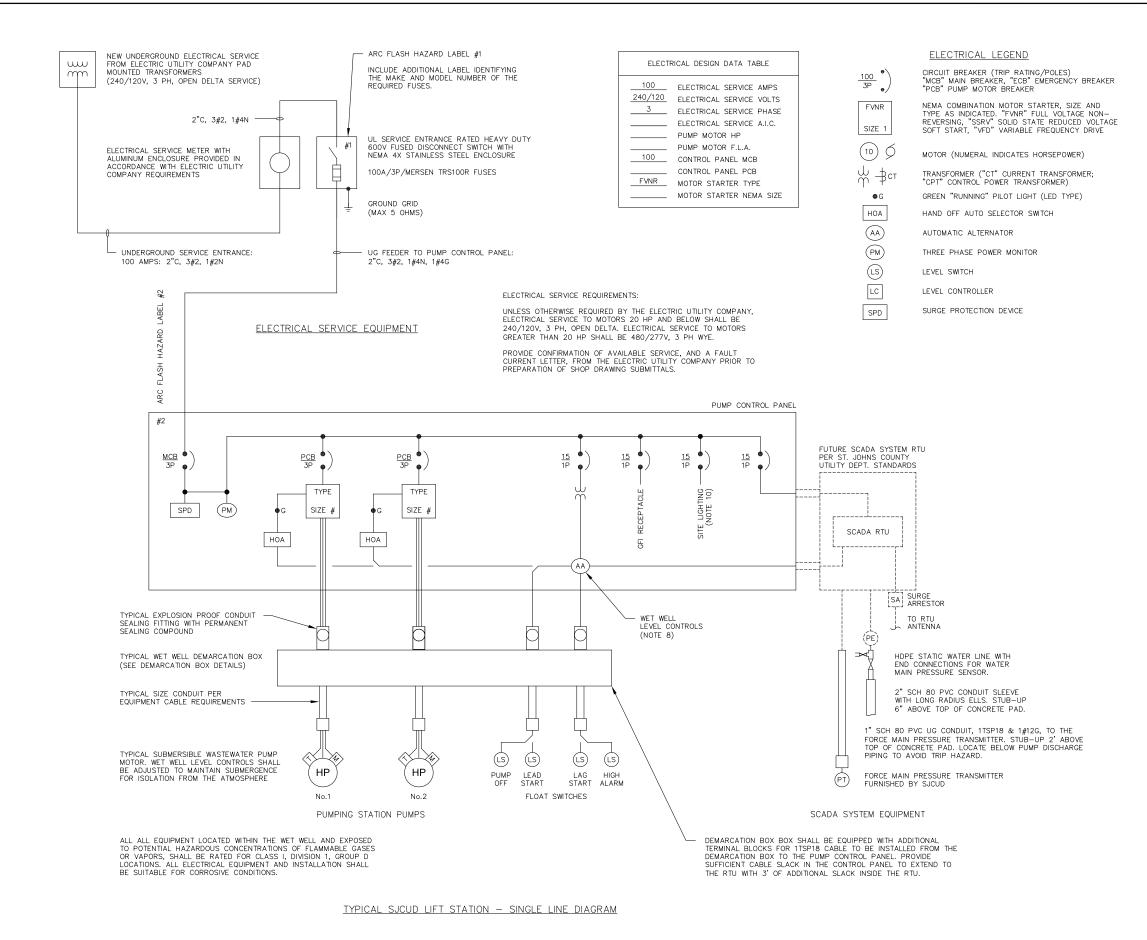
NOTES:

- DESIGN DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW THE GENERAL REQUIREMENTS. ALL EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH ST. JOHNS COUNTY DESIGN STANDARDS AND SPECIFICATIONS.
- 2. ALL MATERIAL SHALL BE NEW AND SHALL CONFORM WITH THE STANDARDS OF THE UNDERWRITERS' LABORATORIES, INC., AMERICAN NATIONAL STANDARDS INSTITUTE, NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION, INSULATED POWER CABLE ENGINEERS ASSOCIATION, AND INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, IN EVERY CASE WHERE SUCH A STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIALS IN QUESTION.
- THE INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE REGULATIONS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, NATIONAL ELECTRICAL SAFETY CODE, APPLICABLE CITY, STATE, AND LOCAL CODES AND REGULATIONS AND OTHER APPLICABLE CODES, INCLUDING UTILITY COMPANY CODES.
- 4. ALL PERMITS REQUIRED BY STATE OR LOCAL ORDINANCES SHALL BE OBTAINED, AND AFTER COMPLETION OF THE WORK, A CERTIFICATE OF FINAL INSPECTION AND APPROVAL FROM THE ELECTRICAL INSPECTOR SHALL BE FURNISHED TO THE OWNER. ALL PERMITS FOR INSTALLATION, INSPECTIONS, CONNECTIONS, ETC., SHALL BE TAKEN OUT AND PAID FOR BY THE CONTRACTOR AS PART OF THE WORK UNDER THIS SECTION.
- 5. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE FROM DEFECTS. ANY PART OF THE SYSTEM CONSIDERED DEFECTIVE BY THE ENGINEER WITHIN THE GUARANTEE PERIOD SHALL BE IMMEDIATELY REPLACED OR CORRECTED TO THE ENGINEER'S SATISFACTION WITHOUT FURTHER EXPENSE TO THE OWNER
- 5. THE PROJECTS GROUNDING SYSTEM SHALL CONSIST OF A GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH NEC SPECIFICATIONS, BONDED TO A MAIN GROUND BUS INTERCONNECTING ALL POWER DISTRIBUTION EQUIPMENT. GROUND ROD SECTIONS SHALL BE COUPLED AND DRIVEN TO ESTABLISH A MAXIMUM RESISTANCE TO GROUND OF 5 OHMS THROUGHOUT THE GROUNDING SYSTEM
- 7. UNLESS OTHERWISE INDICATED, ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA 12/3R ALUMINUM OR 316 STAINLESS STEEL; CONDUCTORS SHALL BE STRANDED TYPE XHHW-2 COPPER; CONDUCTORS WITHIN THE WET WELL TERMINAL BOXES SHALL BE STRANDED TYPE XHHW-2 TINNED COPPER. UNDERGROUND CONDUIT SHALL BE SCH 40 PVC; EXPOSED CONDUIT SHALL BE SCH 80 PVC; CONDUIT INTO THE WET WELL SHALL BE PVC COATED RIGID ALUMINUM; SUPPORT CHANNEL AND MOUNTING STRUT SHALL BE MINIMUM 1.5" X 1.5" ALUMINUM. ALL MOUNTING HARDWARE SHALL BE 316 STAINLESS STEEL, INCLUDING BUT NOT LIMITED TO NUTS, BOLTS, WASHERS, BRACKETS, ETC. ANTI-SEIZE COMPOUND SHALL BE USED FOR ALL NUTS AND BOLTS. SCREWS ARE NOT ALLOWED. ALL MATERIALS AND INSTALLATION SHALL BE SUITABLE FOR "CORROSIVE ATMOSPHERES".
- 8. THE PUMP CONTROL PANEL WET WELL LEVEL CONTROL SYSTEM SHALL INCLUDE LEAD PUMP SELECTOR SWITCH AND AUTOMATIC ALTERNATOR FOR AUTOMATIC LEAD/LAG PUMP CONTROL AND ALTERNATION; AND 24V CONTROL POWER TRANSFORMER AND HIGH/LAG/LEAD/OFF LEVEL FLOAT SWITCHES FOR PUMP CONTROL AND HIGH LEVEL ALARM.
- DUCT SEAL IS REQUIRED AT ALL CONDUIT CONNECTIONS IN AND OUT OF THE DEMARCATION BOX. ADDITIONALLY, DUCT SEAL IS REQUIRED AT ALL CONDUIT CONNECTIONS IN AND OUT OF THE PUMP CONTROL PANEL.
- 10. PROVIDE SITE LIGHT POLE WITH SERVICE FROM THE PUMP CONTROL PANEL (3/4"C, 3#12). PROVIDE WP DUPLEX GFI RECEPTACLE WITH CAST ALUMINUM BOX AND COVER, AND WP LIGHT SWITCH WITH CAST ALUMINUM BOX AND COVER, MOUNTED ADJACENT TO THE PUMP CONTROL PANEL. SITE LIGHT POLE SHALL BE FIBERGLASS DIRECT BURIED POLE. LUMINAIRE SHALL BE RAB MODEL A17-5T70SF WITH 24" LONG ALUMINUM SPOKE BRACKET ARM. POLE, LUMINAIRE AND ARM SHALL HAVE BRONZE FINISH. LUMINAIRE MOUNTING HEIGHT SHALL BE 12'. LOCATE LIGHT POLE ON RIGHT-HAND SIDE OF THE PUMP CONTROL PANEL.
- 11. IN ACCORDANCE WITH THE LATEST ST. JOHNS COUNTY UTILITIES DEPARTMENT STANDARDS, THE NEW PUMP CONTROL PANEL, EXPLOSION PROTECTED TYPE EX TERMINAL BOXES, WET WELL LEVEL CONTROLS, AND UL SERVICE ENTRANCE MAIN FUSED DISCONNECT SWITCH SHALL BE FURNISHED BY THE SJCUD APPROVED LIFT STATION ELECTRICAL EQUIPMENT SUPPLIER.
- 12. IN ACCORDANCE WITH THE LATEST ST. JOHNS COUNTY UTILITIES DEPARTMENT STANDARDS, THE SCADA SYSTEM RTU, ANTENNA MAST, AND ANTENNA, SHALL BE PROVIDED BY A SJUDU APPROVED SCADA SYSTEM INTEGRATOR. FOR STATIONS EQUIPPED WITH FORCE MAIN PRESSURE SENSORS AND/OR WATER MAIN PRESSURE SENSORS, THE PRESSURE SENSORS SHALL BE PROVIDED BY THE SCADA SYSTEM INTEGRATOR.

ELECTRICAL SYSTEMS ANALYSIS:

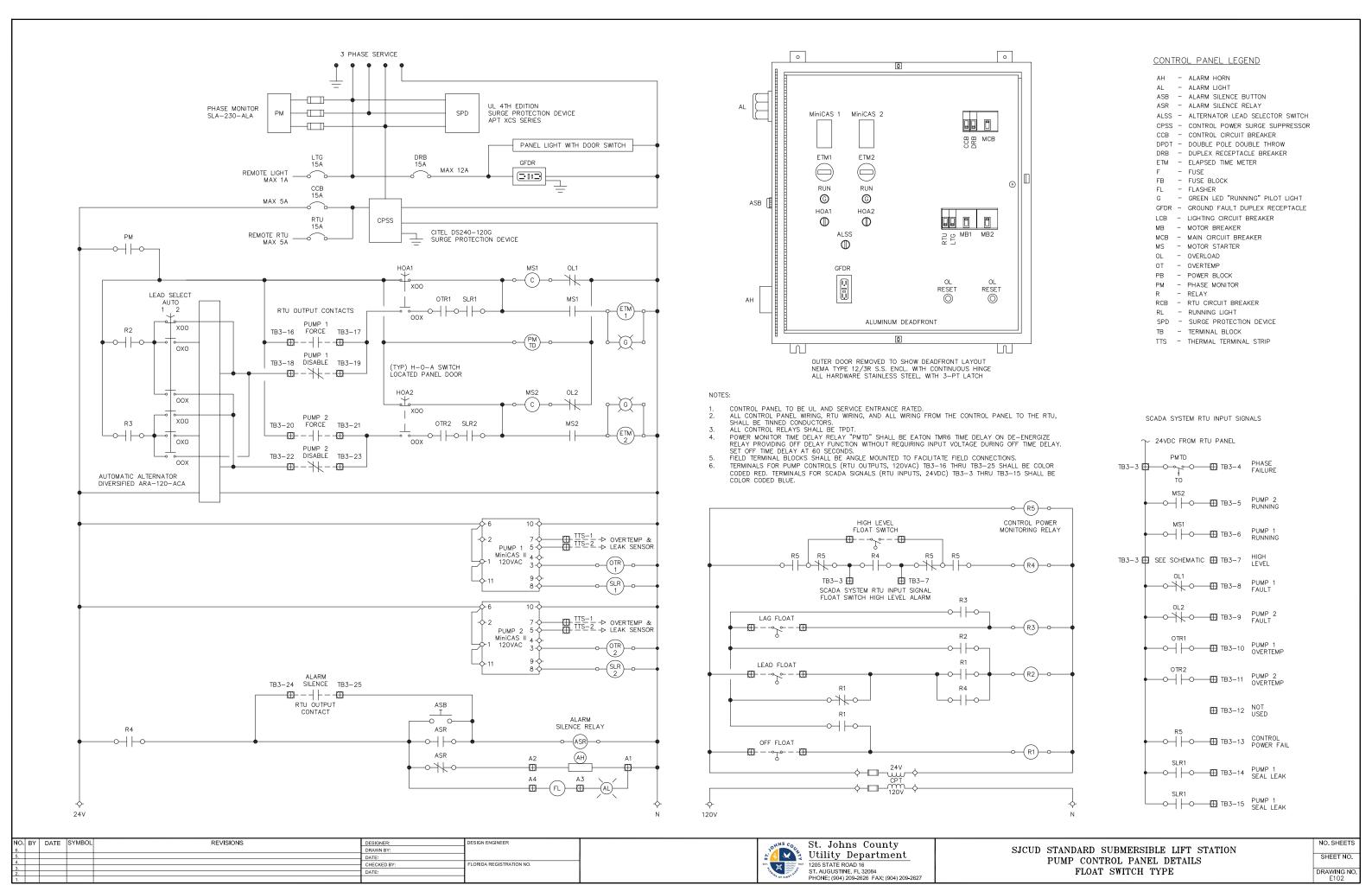
- 1. THE CONTRACTOR SHALL INCLUDE A BID ALLOWANCE AS SHOWN IN SECTION 1.4.1.5 OF THE SJCUD "MANUAL OF WATER, WASTEWATER AND REUSE DESIGN STANDARDS AND SPECIFICATIONS" TO OBTAIN THE SERVICES OF AN INDEPENDENT SPECIALTY ENGINEERING FIRM TO PROVIDE A PRELIMINARY AND A FINAL SHORT CIRCUIT, DEVICE EVALUATION, PROTECTIVE DEVICE COORDINATION, AND ARC FLASH STUDY OF THE COMPLETE ELECTRICAL DISTRIBUTION SYSTEM, IN ACCORDANCE WITH SJCUD STANDARDS
- THE CONTRACTOR SHALL PROVIDE, WITH THE SHOP DRAWING SUBMITTALS, A LISTING OF THE FOLLOWING INFORMATION FOR EACH POWER DISTRIBUTION FEEDER: CONDUIT SIZE, CONDUIT TYPE, CONDUCTOR SIZE, CONDUCTOR TYPE, CONDUCTOR LENGTH.
- 5. THE SERVICE ENTRANCE MAIN FUSED DISCONNECT SWITCH FUSE SELECTION SHALL BE IN ACCORDANCE WITH THE SUCUD STANDARDIZED FUSES MERSEN IRS100R AND TRS200R. HOWEVER, SELECTION OF AN INTERMEDIATE TRS—R FUSE SHALL BE UTILIZED WHEN POSSIBLE TO REDUCE THE DOWNSTREAM HAZARD RISK CATEGORY.
- 4. THE CONTRACTOR SHALL PROVIDE THE SERVICE ENTRANCE FUSE SIZE DETERMINED BY THE FINAL APPROVED ELECTRICAL SYSTEMS ANALYSIS.

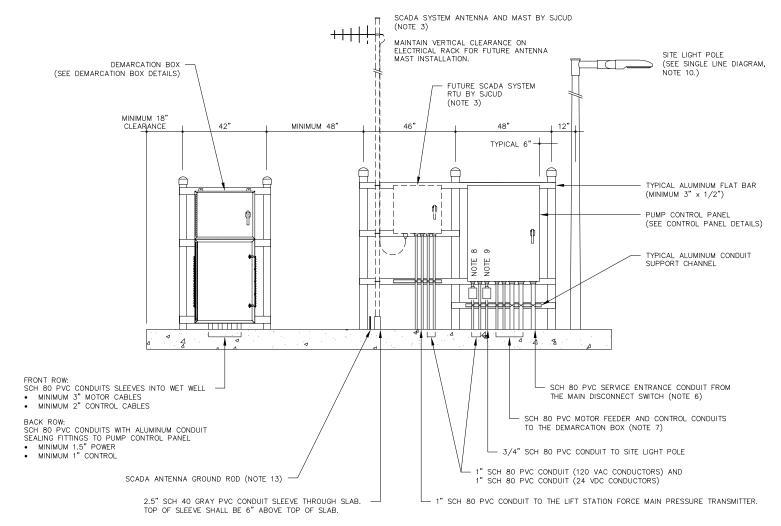


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St. Johns County
Utility Department

1205 STATE ROAD 16
ST. AUGUSTINE, FL 32084
PHONE; (904) 209-2626 FAX; (904) 209-2627





FRONT VIEW

SERVICE METERING PER THE ELECTRICAL UTILITY COMPANY REQUIREMENTS

UL SERVICE ENTRANCE DISCONNECT SWITCH, NEMA 4X SS ENCLOSURE TYPICAL SCH 80 PVC CONDUIT EXPOSED

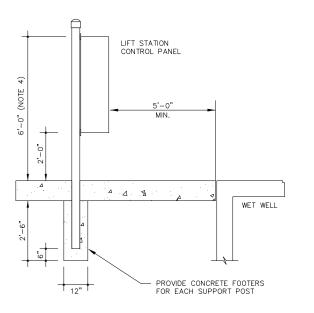
TYPICAL ALUMINUM FLAT BAR

TYPICAL ALUMINUM CONDUIT

SCH 40 PVC ELECTRICAL SERVICE CONDUIT UNDERGROUND TO ELECTRICAL SERVICE POINT OF CONNECTION

(MINIMUM 3" \times 1/2")

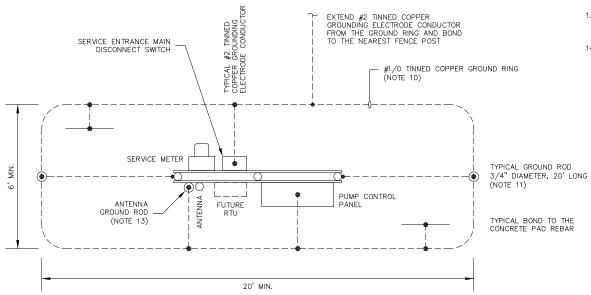
SUPPORT CHANNEL



TYPICAL ELECTRICAL RACK SUPPORT POST DETAIL

MIN. 4" RIGID ALUMINUM CONDUIT SUPPORT POST WITH PIPE CAPS AT 6" ABOVE TOP OF THE PUMP CONTROL PANEL. PROVIDE MASTIC SEAL COATING ON ALL SURFACES BELOW GRADE OR EMBEDDED IN CONCRETE. TYPICAL SPACING SHALL BE 46" ON CENTER. SPACING FOR 36" WIDE CONTROL PANELS SHALL BE 48" ON CENTER.

PIPE CAPS SHALL BE THREADED ALUMINUM CAPS OR THREADED ALUMINUM COUPLINGS WITH ALUMINUM PLUGS.



NOTES:

- THE CONTRACTOR SHALL SCHEDULE AN ELECTRICAL PRE—CONSTRUCTION COORDINATION SITE MEETING WITH SJCUD AND THE ELECTRICAL DESIGN ENGINEER TO COORDINATE SITE SPECIFIC REQUIREMENTS OF THE ELECTRICAL FOULPMENT INSTALLATION.
- 2. THE CONTRACTOR SHALL SCHEDULE AN ELECTRICAL ROUGH—IN SITE INSPECTION WITH SUCUD AND THE ELECTRICAL DESIGN ENGINEER TO INSPECT THE ELECTRICAL EQUIPMENT INSTALLATION PRIOR TO POURING CONCRETE.
- THE CONTRACTOR SHALL REVIEW THE SCADA SYSTEM DETAILS AND SHALL MAKE ALL PROVISIONS REQUIRED FOR THE FUTURE INSTALLATION OF THE SCADA SYSTEM RTU AND ANTENNA INCLUDING: SLEEVE FOR THE ANTENNA MAST, GROUND ROD FOR THE ANTENNA MAST, RTU POWER AND CONTROL CONDUITS, FORCE MAIN PRESSURE TRANSMITTER CONDUIT, AND THE WATER MAIN PRESSURE TRANSMITTER CONDUIT.
- 4. UNLESS OTHERWISE INDICATED SET THE TOP OF EACH EQUIPMENT ENCLOSURE AT 6'-0' ABOVE THE TOP OF THE CONCRETE SLAB. ADJUST AS REQUIRED TO MAINTAIN THE BOTTOM OF EACH ENCLOSURE A MINIMUM OF 2'-0' ABOVE THE TOP OF THE CONCRETE SLAB. CONTACT SUCUD FOR APPROVAL OF ALL PROPOSED ADJUSTMENTS PRIOR TO CONSTRUCTOR
- SET THE BOTTOM OF THE DEMARCATION BOX AND THE TOP OF THE WET WELL CONDUIT SLEEVES AT 6" ABOVE THE TOP OF THE CONCRETE SLAB.
- THE CONTROL PANEL SERVICE ENTRANCE CONDUIT FROM THE MAIN SERVICE DISCONNECT SWITCH SHALL BE POSITIONED ON THE FAR RIGHT—HAND SIDE OF THE PUMP CONTROL PANEL.
- THE PUMP MOTOR CONDUITS FROM THE DEMARCATION BOX SHALL ENTER THE PUMP CONTROL PANEL BELOW THE MOTOR STARTERS. THE CONTROL CONDUITS SHALL ENTER THE PUMP CONTROL PANEL BELOW THE ASSOCIATED TERMINAL BLOCKS.
- SITE LIGHT POLE SWITCH: ALUMINUM FS BOX WITH LIGHT SWITCH AND WP COVER.
- RECEPTACLE: ALUMINUM FS BOX WITH DUPLEX GFI RECEPTACLE AND WP WHILE IN-USE COVER.
- GROUNDING ELECTRODE SYSTEM: PROVIDE A GROUND RING PER NEC 250.52, ENCIRCLING THE ELECTRICAL SERVICE EQUIPMENT, CONSISTING OF CONTINUOUS #1/O TINNED COPPER CONDUCTOR AT 30" BELOW GRADE.
- 11. PROVIDE GROUND RODS (MINIMUM 3/4" DIAMETER, 20' LONG COPPER CLAD STEEL) BONDED TO EACH END OF THE GROUND RING, AT LEAST 20' APART. GROUND ROD SECTIONS SHALL BE COUPLED AND DRIVEN TO ESTABLISH A MAXIMUM RESISTANCE TO GROUND OF 5 OHMS THROUGHOUT THE GROUNDING ELECTRODE SYSTEM.
- 12. GROUNDING ELECTRODE CONDUCTOR: PROVIDE MINIMUM #2 TINNED COPPER GROUNDING ELECTRODE CONDUCTOR FROM THE GROUND RING TO THE SERVICE ENTRANCE DISCONNECT SWITCH, PUMP CONTROL PANEL, RTU, SCADA SYSTEM ANTENNA TOWER, ELECTRICAL EQUIPMENT RACK END POSTS, AND FENCE. USE GROUND CLAMPS RATED FOR CONNECTIONS TO END POSTS AND FENCE POSTS. GROUND CLAMPS SHALL BE RATED FOR DIRECT BURIAL. INSTALL GROUNDING ELECTRODE CONDUCTORS IN 3/4" SCH 80 PVC CONDUIT SLEEVE FOR MECHANICAL PROTECTION.
- THE TOP OF THE GROUND ROD FOR THE SCADA SYSTEM ANTENNA SHALL EXTEND NO MORE THAN 6" AND NO LESS THAN 4" ABOVE THE CONCRETE SLAB.
- 14. THE COMPLETE GROUND RING SHALL BE INSIDE THE LIFT STATION FENCE. THE GROUND RING MAY BE OFFSET FROM THE CENTER OF THE ELECTRICAL RACK WHEN NECESSARY TO STAY WITHIN THE FENCE. SET THE GROUND RODS CENTERED BETWEEN THE ELECTRICAL EQUIPMENT RACK END POSTS AND THE PERIMETER FENCE. INCREASE THE DISTANCE FROM THE END POSTS WHERE REQUIRED TO ACHIEVE MINIMUM 20' SPACING BETWEEN GROUND RODS.

TWO SIDED ELECTRICAL EQUIPMENT RACK DETAIL

NOT TO SCALE

ELECTRICAL EQUIPMENT GROUNDING SYSTEM DETAIL

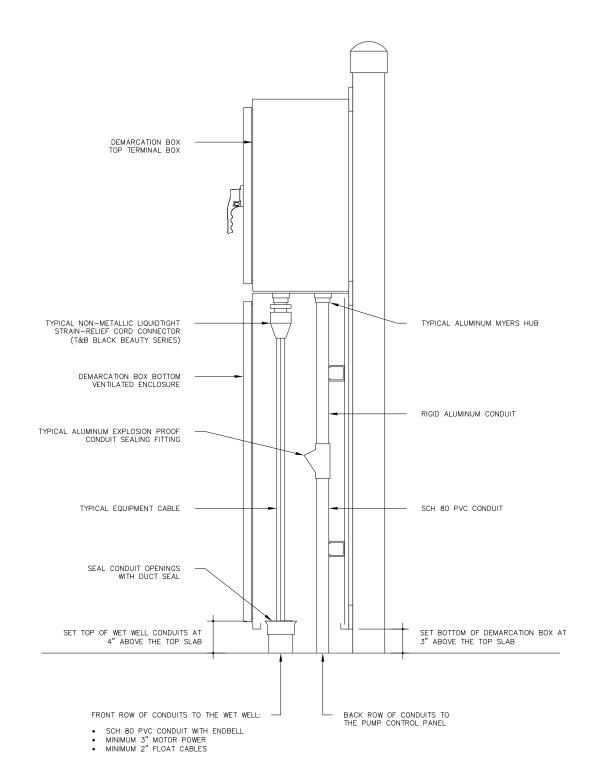
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REAR VIEW





TYPICAL WET WELL DEMARCATION BOX CONDUIT DETAIL

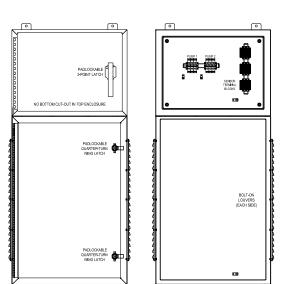
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TOP SECTION:

- NEMA 4X ENCLOSURE 24'H, 30"W, 12"D
 MINIMUM 0.08 ALUMINUM OR 316SS
 GROUNDING STUDS ON BODY & DOOR
 SUDDANIS

BOTTOM SECTION:

- NEMA 3R ENCLOSURE 42"H, 30"W, 12"D
 MINIMUM 0.125 ALUMINUM OR 316SS
 GROUNDING STUDS ON BODY & DOOR
- TOP CUTOUT 9.5" x 21.5" BOTTOM CUTOUT 9.5" x 21.5"
- SIDE LOUVERS 4" WIDE, 1" HIGH



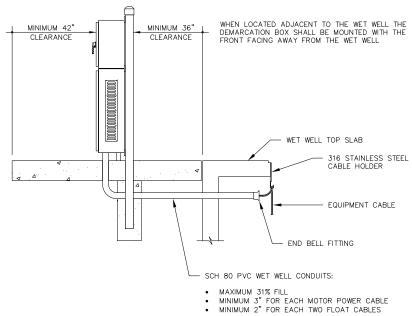
TERMINAL BLOCKS:

- PUMP POWER TERMINAL BLOCKS: SQUARE-D 9080LBA
 SENSOR TERMINAL BLOCKS: ALLEN-BRADLEY 1492-J4
 GROUND LUGS: PANDUIT LAMA2-14-Q

GENERAL NOTES:

- SEAMS TO BE CONTINUOUSLY WELDED AND GROUND SMOOTH
 SEAMLESS FOAM—IN—PLACE CASKETS
 ROLLED LIP AROUND THREE SIDES OF DOORS
 REMOVE DOORS BY PULLING STAINLESS STEEL CONTINUOUS HINGE PIN
 PROVIDE COLLAR STUDS ON INSIDE REAR FOR MOUNTING OPTIONAL PANELS
 STAINLESS STEEL HARDWARE
 BONDING PROVISION ON DOORS; GROUNDING STUDS ON BODIES

TYPICAL WET WELL DEMARCATION BOX DETAIL NOT TO SCALE



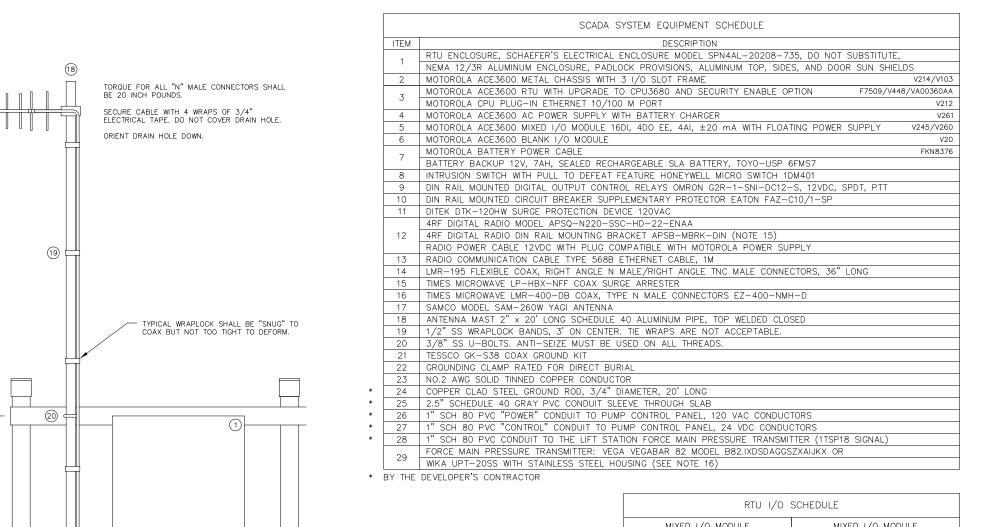
TYPICAL WET WELL CONDUIT DETAIL NOT TO SCALE

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SJCUD STANDARD SUBMERSIBLE LIFT STATION DEMARCATION BOX DETAILS

NO. SHEETS SHEET NO. DRAWING NO

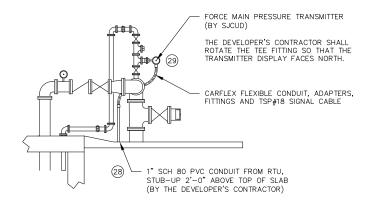


8) F	ADIO	(12)	13)	(1
	(+) POWER SUPPLY	ndo (3)	(G) MIXED 1/0	(G) MIXED 1/0	BLANK MODULE	(2) CR CR CR CR CR CR (CR (CR) (CR) (CR) (
7	(1)	4)—	15)]			

	MIXED I/O MODULE	MIXED I/O MODULE		
DI	SIGNAL DESCRIPTION	DI	SIGNAL DESCRIPTION	
01	RTU INTRUSION SWITCH	01	SPARE	
02	HIGH LEVEL	02	SPARE	
03	PHASE FAILURE	03	SPARE	
04	PUMP 1 RUNNING	04	SPARE	
05	PUMP 2 RUNNING	05	SPARE	
06	PUMP 1 FAIL	06	SPARE	
07	PUMP 2 FAIL	07	SPARE	
08	CONTROL POWER	08	SPARE	
09	PUMP 1 OVERTEMP	09	SPARE	
10	PUMP 2 OVERTEMP	10	SPARE	
11	TRANSDUCER HIGH LEVEL	11	SPARE	
12	PUMP 1 SEAL LEAK	12	SPARE	
13	PUMP 2 SEAL LEAK	13	SPARE	
14	SPARE	14	SPARE	
15	SPARE	15	SPARE	
16	SPARE	16	SPARE	
DO	SIGNAL DESCRIPTION	DO	SIGNAL DESCRIPTION	
01	PUMP 1 DISABLE	01	ALARM SILENCE	
02	PUMP 2 DISABLE	02	SPARE	
03	PUMP 1 REMOTE RUN	03	SPARE	
04	PUMP 2 REMOTE RUN	04	SPARE	
ΑI	SIGNAL DESCRIPTION	Al	SIGNAL DESCRIPTION	
01	WET WELL LEVEL	01	SPARE	
02	FORCE MAIN PRESSURE	02	SPARE	
03	SPARE	03	SPARE	
04	SPARE	04	SPARE	
	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 DO 01 02 03 04 05 06 07 08 09 10 11 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16	DI	DI SIGNAL DESCRIPTION DI 01 RTU INTRUSION SWITCH 01 02 HIGH LEVEL 02 03 PHASE FAILURE 03 04 PUMP 1 RUNNING 04 05 PUMP 2 RUNNING 05 06 PUMP 1 FAIL 06 07 PUMP 2 FAIL 07 08 CONTROL POWER 08 09 PUMP 1 OVERTEMP 09 10 PUMP 2 OVERTEMP 10 11 TRANSDUCER HIGH LEVEL 11 12 PUMP 1 SEAL LEAK 12 13 PUMP 2 SEAL LEAK 13 14 SPARE 14 15 SPARE 15 16 SPARE 16 DO SIGNAL DESCRIPTION DO 01 PUMP 1 DISABLE 01 02 PUMP 2 DISABLE 02 03 PUMP 1 REMOTE RUN 03 04 PUMP 2 REMOTE RUN 04 AI SIGNAL	

SCADA SYSTEM NOTES:

- SJCUD SHALL EMPLOY THE SERVICES OF A SJCUD PRE-APPROVED SCADA SYSTEM INTEGRATOR TO PERFORM ALL SCADA SYSTEM ADDITIONS AND MODIFICATIONS INCLUDING: NEW RTU, ANTENNA, AND ANTENNA MAST.
- THE SCADA SYSTEM SUPPLIER SHALL MODIFY AND UPGRADE THE EXISTING SUCUD MASTER SCADA SYSTEM AS REQUIRED TO INCORPORATE THE NEW FACILITIES.
- THE CONTRACTOR AND THE SCADA SYSTEM SUPPLIER SHALL COORDINATE ALL SCADA SYSTEM INSTALLATION WITH THE SJCUD SCADA SYSTEM SUPERVISOR.
- THE SCADA SYSTEM RTU SHALL BE A SUCUD STANDARD LIFT STATION RTU WITH MOTOROLA ACE3600 RTU CONFIGURED WITH MIXED I/O MODULES AS INDICATED. PROVIDE POWER AND SIGNAL LINE SURGE PROTECTION.
- 5. PRIOR TO SHOP DRAWING SUBMITTALS, THE SCADA SYSTEM SUPPLIER SHALL CONFIRM RADIO/ANTENNA SELECTION WITH THE SJCUD SCADA SYSTEM SUPPRISOR
- IN ORDER TO MAINTAIN FCC PART 15 COMPLIANCE, ALL ANTENNA WORK MUST BE PERFORMED OR CERTIFIED BY AN FCC CERTIFIED TECHNICIAN. THE SUCUD SCADA SUPERVISOR WILL INSPECT AND CERTIFY (AT NO CHARGE) BUT WILL NOT PERFORM CORRECTIVE ACTIONS.
- ANTENNA MAST GROUND ROD SHALL BE BONDED (UNDERGROUND) TO THE STATION ELECTRICAL SYSTEM GROUNDING GRID.
- 8. ALL GROUNDING CONDUCTORS SHALL HAVE AN EVEN SLOPE FROM POINT OF CONTACT TO THE GROUND ROD (NO 90° BENDS).
- ALL GROUND CONTACT POINTS SHALL BE PROTECTED BY AN ANTI-OXIDATION COMPOUND.
- 10. ALL RF CONNECTORS SHALL BE TIGHTENED TO MANUFACTURER SPECIFICATIONS, AND SHALL BE PROPERLY SEALED. COLD SHRINK IS NOT ACCEPTABLE.
- 11. DRAIN HOLES ON ANTENNAS MUST BE ORIENTED DOWN.
- 12. ALL THREADED CONNECTIONS, EXCEPT ANTENNA CONNECTIONS, SHALL BE PROTECTED WITH ANTI-SEIZE TREATMENT.
- 13. THE "POWER" CONDUIT FROM THE RTU TO THE PUMP CONTROL PANEL SHALL BE USED FOR ALL 120 VAC CONDUCTORS, INCLUDING THE RTU INPUT POWER AND THE DIGITAL OUTPUT CONDUCTORS.
- 14. THE "CONTROL" CONDUIT FROM THE RTU TO THE PUMP CONTROL PANEL SHALL BE USED FOR ONLY 24 VDC CONDUCTORS, INCLUDING THE DIGITAL INPUT SIGNAL CONDUCTORS AND THE ANALOG INPUT SIGNAL CABLES. PROVIDE 1TSP#18 CABLE FOR EACH ANALOG INPUT SIGNAL.
- 15. PROVIDE DIN RAIL ON BACK PLANE AT THE RTU RADIO MOUNTING LOCATION FOR THE 4RF RADIO MOUNTING BRACKET. MOUNT THE DIN RAIL USING EXISTING TAPPED SCREW HOLES. DO NOT DRILL AND TAP NEW HOLES.
- 16. THE SCADA SYSTEM SUPPLIER SHALL PROVIDE THE FORCE MAIN PRESSURE TRANSMITTER: EITHER VEGABAR 82, OR WIKI UPT-20SS INCLUDING ASHCROFT TYPE 330 FLUSH DIAPHRAGM SEAL, AND ALUMINUM M20x1.5 METRIC TO 1/2" NPT CONDUIT CONNECTION ADAPTER.



FORCE MAIN PRESSURE TRANSMITTER DETAIL NOT TO SCALE

SCADA SYSTEM ANTENNA DETAIL

(16)

(21)

25)

24)

STATIC WATER LINE END CONNECTIONS (BY THE DEVELOPER'S CONTRACTOR). SEE DETAIL ON SHEET PS-1.

SCADA	SYSTEM	RTU	DETAIL
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2" SCH 80 PVC CONDUIT SLEEVE FOR STATIC WATER LINE, THROUGH CONCRETE PAD, AND EXTENDING 6" ABOVE TOP OF PAD (BY THE

