LEGEND:		GENERAL NOTES: (APPLICABLE TO ALL DRAWINGS)
\frown	HOME RUN	G1. FIELD COORDINATE THE ELECTRICAL SERVICE WITH GREG MCCRANIE, GEORGIA
	EQUIPMENT AS NOTED	POWER DISTRIBUTION ENGINEER, 912-267-3127.
	CIRCUIT BREAKER	G2. INSTALL GROUNDING DELTA AS SHOWN ON ELECTRICAL SITE PLANS. REFER TO SECONDARY GROUNDING DETAIL, 3/425, FOR INSTALLATION REQUIREMENTS.
20A 🏳	DUPLEX RECEPTACLE, NEMA 5-20R, TYPE WP, CR	G3. PROVIDE A TRANS-SOCKET METER. EQUIPMENT SHALL COMPLY WITH THE
WP:	WEATHERPROOF, CR:CORROSION RESISTANT	REQUIREMENTS OF THE GEORGIA POWER BLUE BOOK, 2017 EDITION.
—— II	GROUND TO GROUND ROD SYSTEM	G4. ALL CONDUIT TERMINATIONS TO ELECTRICAL ENCLOSURES SHALL UTILIZE THREADED HUBS; LOCK NUTS AND BUSHINGS ARE NOT ACCEPTABLE. SEE
GF	GROUND FAULT CIRCUIT INTERRUPTER PROTECTION	SPECIFICATIONS FOR CONDUIT REQUIREMENTS.
AIC	INTERRUPTING CAPACITY IN AMPS	G5. EXTEND UNSWITCHED AND ENERGIZED CONDUCTOR TO ALL EXIT SIGNS AND EMERGENCY BATTERY PACKS.
/>	CONDUIT SYSTEM CONCEALED BELOW GRADE	G6. PROVIDE MULTI-COLOR ALARM LIGHT AND RED LIGHT ON OUTSIDE OF EACH
	EXPOSED CONDUIT	STATION. REFER TO SCADA SPEC ON SHEET 5/425. PROVIDE PLASTIC ENGRAVED SIGN WITH 1-1/2" LETTERING ADJACENT TO FRONT DOOR IDENTIFYING LIGHT
/10/	PUMP MOTOR. HORSEPOWER INDICATED	STATUS.
N.T.S.	NOT TO SCALE	G7. IF EITHER ALARM OCCURS, HORN TO SOUND UNTIL SILENCE SWITCH IS PUSHED.
SP	SURGE PROTECTION DEVICE	G8. THE CONTRACTOR SHALL FURNISH AND INSTALL ONE 4" SCH. 40 PVC CONDUIT FROM THE RELOCATED TRANSFORMER POLE TO THE UTILITY METER ON THE
	DRIVEN GROUND ROD LOCATION	BUILDING. COORDINATE WITH EXISTING UNDERGROUND UTILITIES, THE OWNER AND GEORGIA POWER. THE CONDUIT SHALL BE INSTALLED 36" BELOW GRADE, MINIMUM.
\$	SWITCH, 48" AFF	SHALL TURN UP TO ABOVE GRADE AT THE BASE OF THE TRANSFORMER POLE.
\$ 3	THREE WAY SWITCH, 48" AFF	G9. CONNECT AIR FLOW FAN MONITORING SYSTEM, PROVIDED BY DIV. 15, AS
\$ ₃₽	20A 120/277V, 3-WAY TOGGLE SWITCH WITH PILOT LIGHT, 48" AFF	REQUIRED. ONE PRESSURE SENSOR SHALL BE INSTALLED IN THE EXHAUST FAN DUCT, THE OTHER SENSOR SHALL BE INSTALLED ADJACENT TO THE MONITOR DANEL EXTEND ALARM CONDUCTORS TO SCADA DANEL LIKEWISE, ONE SENSOR
Ю	NEMA 4X STAINLESS STEEL DISCONNECT SWITCH. RATINGS AS NOTED ON ONE-LINE.	FOR THE SUPPLY FAN SHALL BE INSTALLED IN THE DUCT AND THE OTHER ADJACENT TO THE MONITOR PANEL.
42	NEMA 4X STAINLESS STEEL FUSED DISCONNECT SWITCH. RATINGS AS NOTED ON ONE-LINE.	G10. EXTEND THROUGH 3-POSITION SWITCH ADJACENT TO MAIN DOOR.
	ALARM HORN. MOUNT 12' AFF ON BUILDING - NOTE G6,G7	G11. EXTEND PHOTO CONTROL TO 3-POSITION SWITCH. CONNECT TO UP/PHOTO POSITION.
Ж	RED ALARM LIGHT. MOUNT 12' AFF ON BUILDING - NOTE G6	G12. 3-POSITION, MAINTAINED CONTACT, 20A/277V. HUBBELL CAT. NO. HBL1385. LABEL SWITCH POSITIONS: UP-PHOTO, CENTER-OFF, DOWN-MANUAL/ON.
ШТ	MULTI-COLOR ALARM LIGHT ON BUILDING - NOTE G6.	
PC	PHOTO CELL: TORK MODEL 2107: 120/277V, 2000W/1800W/600W TUNGSTON/BALLAST/LED RATED	
	WALL MOUNTED LED EMERGENCY BATTERY PACK	
	WALL MOUNTED LED EMERGENCY EXIT LIGHT WITH TWO HEADS	
EXP	EXPLOSION PROOF: CLASS 1, DIV. 1	
Ð	GENERATOR RECEPTACLE - SEE 2/209, 2/308, AND 2/425	

GENERAL NOTES: (APPLICABLE TO ALL DRAWINGS)

DEMOLITION NOTES:

D1. THE EXISTING DISTRIBUTION PANEL, TRANSFER SWITCH, LIGHTING SYSTEM, RECEPTACLES, VFDS, AND OTHER ELECTRICAL EQUIPMENT INCLUDING ALL CONDUITS AND CONDUCTORS SHALL BE DEMOLISHED AND REMOVED FROM THE PROJECT SITE AS PART OF THIS CONTRACT. THE CONTRACTOR SHALL DISPOSE OF THE MATERIAL OFF-SITE AS PART OF THE CONTRACT. COORDINATE WITH OWNER FOR ANY MATERIALS TO BE RETAINED BY THE OWNER.

D2. THE CONTRACTOR SHALL COORDINATE WITH GEORGIA POWER FOR MODIFICATIONS AND/OR REMOVAL OF THE EXISTING SERVICES TO THE EXISTING PUMP STATION BUILDING.









WES1 RIDA 3900 $\widehat{}$ ξЩŽ E 4 Ζ 1 Ц R PS3101 ELECTRIC/ DEMOLITION I PUMP STATION UPGRADES PS3101, PS4001, AND PS4002 PREPARED FOR BGJWSC SHEET NUMBER

SYMBOL LEGEND:

BID DOCUMENTS

ies Protection Center, Inc ^U

Know what's below. Call before you dig.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.





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PS4001, AND PS4002
PREPARED FOR
BGJWSC PUMP (PS3101,

SHEET NUMBER

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3. PROVIDE ALL FIELD WIRING IN CONDUITS AS REQUIRED. COORDINATE ALL CONNECTIONS, ALARMS AND CONTROL WITH

4. WETWELL LEVEL SENSOR SHALL BE RADAR SENSOR RATED FOR CLASS I, DIV I, LOCATION MODEL C21 VEGA WITH SENSOR CABLE EXTENDING CONTINUOUS TO SCADA PANEL. MOUNT SENSOR ON STAINLESS STEEL BRACKET. CALIBRATE IN FIELD. FLOATS SHALL BE MERCURY TYPE WITH CABLES EXTENDING CONTINUOUS TO FIELD JUNCTION BOX, RATED CLASS I, DIV I,







1 PS4001 ELECTRICAL DEMOLITION SITE PLAN 306 SCALE: 1" = 10'



-EXISTING ELECTRICAL EQUIPMENT RACKS: D DISCONNECT, REMOVE AND PROTECT EXISTING "RTU" PANEL AND EQUIPMENT RACKS THAT ARE TO BE REUSED. DISCONNECT, REMOVE AND SALVAGE EXISTING LIGHT FIXTURE/LIGHT SWITCH, AND ELECTRICAL/CONTROL PANELS AS DIRECTED BY BGJWSC. DISCONNECT AND REMOVE ALL POWER AND

CONTROL WIRING AND ASSOC. CONDUITS. REMOVE AND RELOCATE EXISTING ELECTRICAL EQUIPMENT RACKS AS SHOWN ON CIVIL DRAWINGS. EXISTING RACKS TO BE MOUNTED BACK TO BACK AS SHOWN ON ELECTRICAL PLANS.

- EXISTING UTILITY SERVICE POLE. DISCONNECT AND REMOVE EXISTING UNDERGROUND SERVICE

EDT-THA ARCHITECTURE ROFESSIONAL Friosrow R. MO Io/18/2022						Vo. REVISIONS DATE BY
	Kimbw Work		© 2021 KIMLEY-HORN AND ASSOCIATES, INC.	12740 GRAN BAY PARKWAY WEST, SUITE 2350	JACKSONVILLE, FLORIDA 32258 PHONE: 904-828-3900	WWW.KIMLEY-HORN.COM REGISTRY NO. 696
	LICENSED PROFESSIONAL:		KHOSROW ABDI, P.E.	GEORGIA LICENSE NUMBER	021296	DATE:
	КНА РКОЈЕСТ 045709000	DATE OCTOBER 2022	SCALE: AS SHOWN	DESIGNED BY: KA	DRAWN BY: TF	снескер ву: ка
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		PUMP STATION UPGRADES			BGJWSC	
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	307								

2. SYSTEM IS PROVIDED BY ELECTRIC MACHINE CONTROL. INC. (EMC). CONTACT JAMES DENTON (205) 661-3998, CELL (205) 910-8348. EMC SHALL ALSO PROVIDE ALL INSTRUMENTATION, AUTOMATIC

3. PROVIDE ALL FIELD WIRING IN CONDUITS AS REQUIRED. COORDINATE ALL CONNECTIONS, ALARMS AND CONTROL WITH EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATIONS. 4. WETWELL LEVEL SENSOR SHALL BE RADAR SENSOR RATED FOR CLASS I, DIV I, LOCATION MODEL C21 VEGA WITH SENSOR CABLE EXTENDING CONTINUOUS TO SCADA PANEL. MOUNT SENSOR ON

5. FLOATS SHALL BE MERCURY TYPE WITH CABLES EXTENDING CONTINUOUS TO FIELD JUNCTION BOX, RATED CLASS I, DIV I, LOCATION. MOUNT FLOATS ON STAINLESS STEEL BRACKET. SET ELEVATION IN

6. REMOTE ALARM LIGHTS SHALL BE PATLITE, 24 VDC, RATED FOR EXTERIOR LOCATION. MULTI-LIGHT TOWER TO BE GREEN/RED/YELLOW AND HI-LEVEL ALARM TO BE RED. PROVIDE 24 VDC EXTERIOR











RG STERESSIONAL NGINEER ROW R. MO ROW R. MO 18/2022			D. REVISIONS DATE BY
	Kimley »Horn	© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 12740 GRAN BAY PARKWAY WEST. SUITE 2350	JACKSONVILLE, FLORIDA 32258 PHONE: 904-828-3900 WWW.KIMLEY-HORN.COM REGISTRY NO. 696 NG
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	PS4002	ELECTRICAL scal	SITE PLAN DRAWI
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SHEET NOTES

- CONCEAL CONDUIT TO EXTERIOR LIGHTS WITHIN BUILDING. DRILL HOLE THROUGH WALL INTO BACK-BOX LOCATION FOR EACH LIGHT. CONDUIT SHALL NOT BE INSTALLED ON BUILDING EXTERIOR UNLESS SPECIFICALLY NOTED.
- 2. NEMA L6-20R RECEPTACLE FOR SUMP PUMP. MOUNT OUTLET 48" AFF.
- ROUTE CONDUIT TO PUMP NO. 1 & NO. 2 ACROSS THE FLOOR TO FOUNDATION STRUCTURE. PROVIDE STAINLESS STEEL RIGID CONDUIT BETWEEN DISCONNECT SWITCH AND PUMP FOUNDATION. STRAP CONDUIT DIRECTLY TO THE FLOOR WITH STAINLESS STEEL 2-HOLE STRAPS AND STAINLESS STEEL ANCHORS. PROVIDE SMOOTH TRANSITION RUBBER COVERS OVER THE CONDUITS ACROSS THE FLOOR TO PROVIDE TRIP HAZARD PROTECTION.
- INSTALL WALL MOUNTED LIGHT FIXTURES IN DRY PIT 8'-0" AFF TO CLEAR ALL PLUMBING AND PROCESS PIPING INSTALLATION TO PROVIDE UNOBSTRUCTED ILLUMINATION IN THE DRY PIT.
- INSTALL EXPOSED CONDUITS ON WALLS, CEIILINGS AND STRUCTURAL MEMBERS IN THE SAME PLANE. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS, CEILINGS OR STRUCTURAL MEMBERS. RUN POWER CONDUITS SEPARATE FROM LOW VOLTAGE CONDUITS. RUN CONDUITS ON CEILING STRUCTURE WHEN CROSSING ROOMS OR SPACES. RUN VERTICAL AND HORIZONTAL CONDUITS IN THE SAME PLANE AND NOT CROSSING EACH OTHER THROUGHOUT THE ENTIRE RUN. CONTRACTOR SHALL SUBMIT CONDUIT ROUTING ON PLAN LAYOUTS, ELEVATIONS, AND PROVIDE SCHEDULES FOR ALL POWER AND CONTROL CIRCUITS FOR REVIEW AND APPROVAL PRIOR TO ROUGHING. SEE SPEC SECTION 260533.13 FOR ADDITIONAL CONDUIT INSTALLATION REQUIREMENTS.
- UNDERGROUND SERVICE ENTRANCE CONDUIT WILL BE ROUTED FROM THE OTHER SIDE. ACTUAL LOCATION OF THE UTILITY METER AND OUTSIDE ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE COORDINATED AND APPROVED BY THE BGJWSC PRIOR TO ROUGHING AND INSTALLATION.
- PROVIDE A 30A/2P/4X/NF DISCONNECT SWITCH FOR EACH SUMP PUMP MOUNTED AT 2ND LEVEL LANDING. MOUNT THE SUMP PUMP CONTROLLERS NEXT TO THE DISCONNECT SWITCHES. RUN THE SUMP PUMP CORD THROUGH PENETRATION TO DISCONNECT SWITCH. EXTEND WIRING IN CONDUIT TO PANEL A.
- PROVIDE ANCHORS AT MEZZANINE LEVEL TO SUPPORT THE PUMP CABLE-HUBBELL WIRING DEVICE-KELLEMS ARRAMEAD CABLE SUPPORT GRIPS (SP) FIBER
- DISCONNECTING MEANS FOR THE PUMP SHALL BE LOCATED IN SIGHT FROM THE MOTOR LOCATION AND THE DRIVEN MACHINERY LOCATION. THE DISCONNECTING MEANS FOR THE PUMP SHALL NOT BE REQUIRED PROVIDED THAT THE CONTROLLER (VFD) DISCONNECTING MEANS IS LOCKABLE IN THE OPEN POSITION.
- 10. CONTRACTOR SHALL CAULK ALL WALLS/FLOORS PENETRATIONS WITH COMPATIBLE MATERIALS TO MAINTAIN ENVIRONMENTAL CONDITIONS OF AFFECTED SPACES.

HEDULE			
MFR	CATALOG SERIES	MOUNTING	NOTE
LITHONIA	FEM-L48-6000LM-LPPCL-MD-MVOLT-GZ10-65K-80CRI-STSL	PENDANT	10' AFF
LITHONIA	FEM-L48-6000LM-LPPCL-MD-MVOLT-GZ10-65K-80CRI-E10W MCP-STSL	PENDANT	10' AFF
LITHONIA	DMW2-L24-2000LM-PCL-WD-MVOLT-GZ10-65K-QMB-STSL	SURFACE WALL	10' AFF
LITHONIA	DMW2-L24-2000LM-PCL-WD-MVOLT-GZ10-65K-E10WCP-QM B-STSL	SURFACE WALL	10' AFF
LITHONIA	WPX1 LED P2-50K-MVOLT-DDBXD	EXTERIOR WALL	14' AFF
LITHONIA	WPX1 LED P2-50K-MVOLT-E14WC-DDBXD	EXTERIOR WALL	14' AFF
LITHONIA	LHQM-LED-R-SD	UNIVERSAL	8' AFF

PANELBOARD: A

VOLTAGE: 120/240 V. 1 ø 3 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL SPECIAL:

N	BKR	Р	скт	PHA k\	SE A /A	PHA k\	SE B /A	скт	T P BKR		LOAD D	ESCRIPTION			
	20 A	1	1	0.6	1.8			2		20.4					
	20 A	1	3			0.4	1.8	4	- 2	30 A	HP1/AHU-1				
	20 A	1	5	0.4	0.5			6	1	20 A	EF-1				
	20 A	1	7			0.4	1.0	8	1	20 A	ODOR CONTROL WATER				
	20 A	1	9	0.5	0.7			10	2	20.4	20 4	20 4	20 4		
TEM	20 A	1	11			0.2	0.7	12	2	20 A		NU. 1			
	20 A	1	13	0.1	0.7			14	2	20 4					
	20 A	1	15			0.9	0.7	16	2	20 A		NO. 2			
	30 ^	2	17	2.5	1.8			18	2	30 A	HP-2/AHU-2				
	30 A	2	19			2.5	1.8	20	2	30 A					
	20 A	1	21	0.1	0.0			22	1	20 A	SPARE				
	20 A	1	23			0.0	0.0	24	1	20 A	SPARE				
	20 A	1	25	0.0	0.0			26	1	20 A	SPARE				
	20 A	1	27			0.0	0.0	28	1	20 A	SPARE				
	20 A	1	29	0.0	0.0			30	1	20 A	SPARE				
	Т	OTAL	LOAD:	9 k	XΑ	10	kVA								
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$ \rightarrow $	30	0 VA		100.00)%	30	00 VA		CONNE		CTED LOAD:	18685 VA			
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	108	30 VA		100.00)%	10	80 VA		CON	NECTE	D CURRENT:	78 A			
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