



ADDENDUM NO. 1

TO: ALL BIDDERS

PROJECT: ITB WS 66-20
BROWN PLACE PUMP STATION & CONTROLS UPGRADE (EQUIPMENT ONLY)

OWNER: OKALOOSA COUNTY

DATE: August 4, 2020

The following items are hereby incorporated into the project contract documents and specifications. The bid date and time remained unchanged.

ITEM NO. 1 – Alternate Pumps Reviews

Section 11145 Item 2.1.A.2.a states that “The duplex submersible pumps shall be as manufactured by WILO, Flygt, Grundfos, KSB, or an approved equal by the Okaloosa County Water & Sewer Engineering Department.” The following pumps were submitted for review as an approved equal and their review results are noted.

- CAPRARI MODEL KSM100NG+022042N1/FS –
Not approved (did not meet size specifications)
- WEIL MODEL 6111CL –
Not approved (did not meet size specifications)
- ESSCO MODEL 4X12 – Approved as equal

ITEM NO. 2 – REVISED DRAWING SHEETS

- Please find enclosed a revised set of all drawings with DRAFT removed. Minor changes were made to the drawings to show the max of 40 horsepower pumps.

RECEIPT OF THIS ADDENDUM SHALL BE ACKNOWLEDGED BY WRITING THIS ADDENDUM NO. AND DATE IN THE SPACE PROVIDED ON FORM H OF THE BID PROPOSAL.


Michael C. Evans, P.E. – Poly, Inc.

ENGINEERING PLANS
FOR

BROWN PLACE PUMP STATION AND CONTROLS UPGRADE (EQUIPMENT ONLY)

***OKALOOSA COUNTY WATER & SEWER SYSTEM
OKALOOSA COUNTY, FLORIDA
THE BOARD OF COUNTY COMMISSIONERS***

CHAIRMAN

ROBERT A. "TREY" GOODWIN, III

BOARD MEMBERS

CAROLYN KETCHEL, VICE CHAIR

NATHAN BOYLES

GRAHAM W. FOUNTAIN

CHARLES K. WINDES, JR

CLERK

JD PEACOCK II

COUNTY ADMINISTRATOR

JOHN HOFSTAD

OKALOOSA COUNTY
WATER AND SEWER

JEFF LITTRELL, DIRECTOR

MARK WISE, P.E., DEPUTY DIRECTOR



ITB WS 66-20

JUNE 2020
POLY Job No. 41-378



POLY, INC.
POST OFFICE BOX 841
SHALIMAR, FL 32547
850.609.1100
POLY-INC.COM

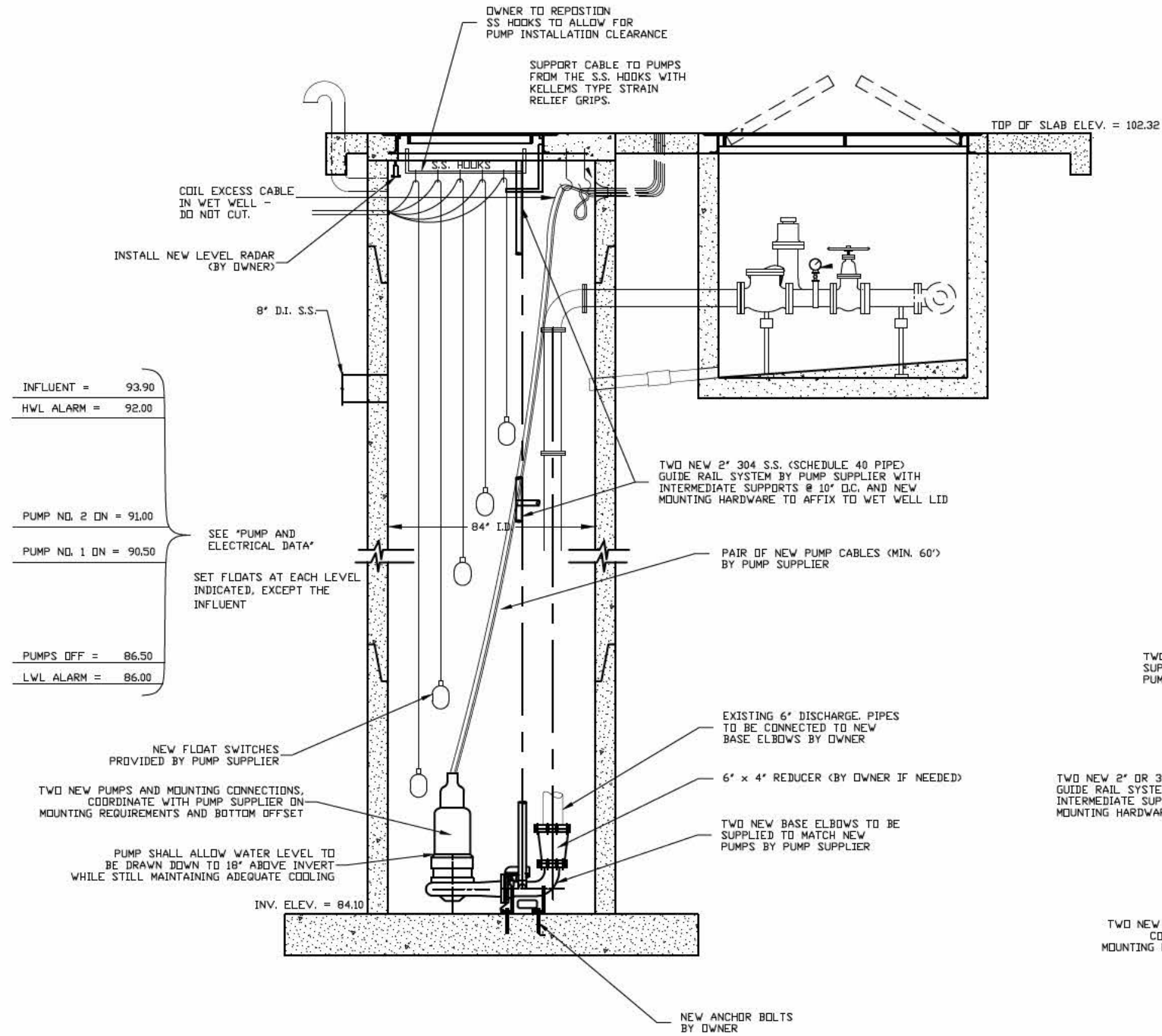


INDEX OF SHEETS

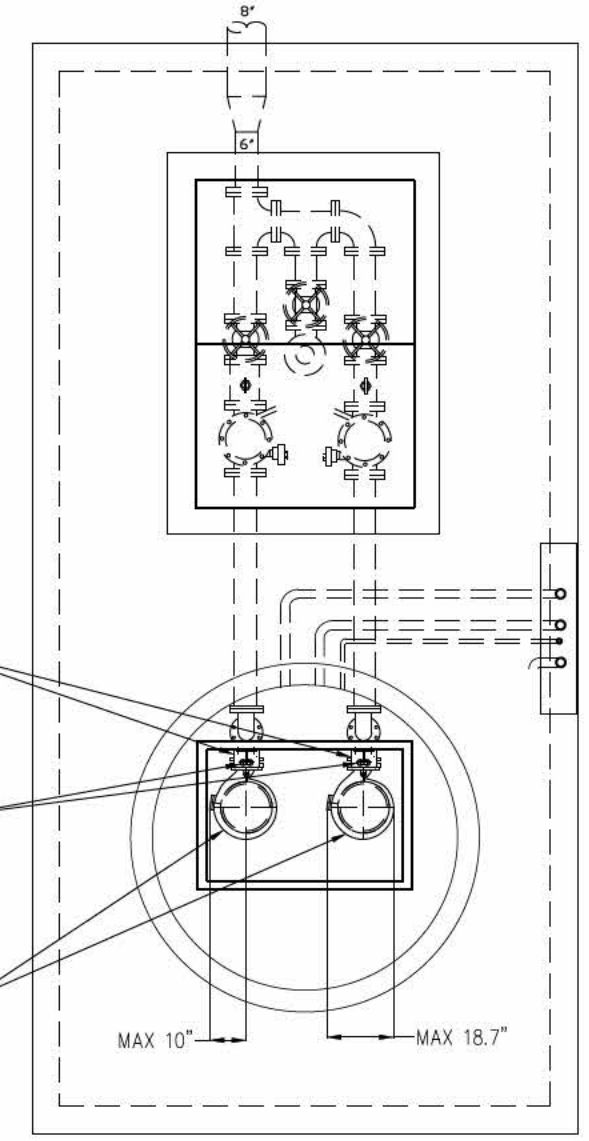
| | |
|----------------------------------|-------|
| COVER | ----- |
| PUMP STATION PLAN & PROFILE | C-01 |
| ELECTRICAL NOTES & SITE PLAN | E-01 |
| ELECTRICAL DETAILS | E-02 |
| ELECTRICAL CONTROL PANEL DETAILS | E-03 |
| ELECTRICAL 3-LINE DIAGRAM | E-04 |

SPECIFICATIONS

| PUMP STATION | | PUMP DATA | | | | STARTER | MOTOR SERVICE DATA | | | | |
|--------------|-----------|-------------|--------|----------|--------|----------------|--------------------|------------------------|---------|------------------|----------------|
| | | CAP. G.P.M. | T.D.H. | MAX H.P. | R.P.M. | STARTER | BREAKER | BRANCH CKT. CONDUCTORS | CONDUIT | EQUIPMENT GROUND | VOLTAGE |
| BROWN PLACE | P.S. #302 | 550 | 111 | 40 | 1750 | SEE ELECTRICAL | | | | | SEE ELECTRICAL |



SECTION A-A
NOT TO SCALE



PLAN
NOT TO SCALE

| | |
|-----------------|-------|
| INFLUENT = | 93.90 |
| HWL ALARM = | 92.00 |
| | |
| PUMP NO. 2 DN = | 91.00 |
| PUMP NO. 1 DN = | 90.50 |
| | |
| PUMPS OFF = | 86.50 |
| LWL ALARM = | 86.00 |

Poly, Inc. - H:MASTER PROJECT FOLDER(41) Okaloosa41-378 General Engineering SupportBrown's Place PS UpgradePlans\C-01 PUMP STATION.dwg [C-01] Last Printed: August 04, 2020 - 10:46am By: ME:vars



| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

POLY, INC.
1906 Headland Avenue
Dorhan, AL 36903
334-795-7700

102 Sunset Lane
Shalimar, FL 32570
850-608-1100

2135 University Blvd. Ste. A
Tuscaloosa, AL 35601
205-752-4037

WWW.POLY-INC.COM

DESIGNED BY: MCE
DRAWN BY: MCE
DATE: JUNE 2020
REGISTRATION NO.: 69311

ENG/ARCH/SURVEYOR OF RECORD:
MICHAEL C. EVANS, P.E.
Chit. of Auth. No. AL-0000000100116
ARCHITECT: CA-06
AL-0000000100116
ENGINEER: CA-78
CA-78
SURVEY: CA-0000000100116

These drawings are copyrighted and the property of Poly, Inc. No part of these drawings may be reproduced or transmitted in any form or by any means electronic, mechanical, photocopying, recording, or by any information storage and retrieval system without the prior written permission of Poly, Inc.

BROWN PLACE PUMP STATION AND CONTROLS UPGRADE (EQUIPMENT ONLY)
OKALOOSA COUNTY WATER AND SEWER
CRESTVIEW, FLORIDA

PUMP STATION UPGRADE PLAN
AND PROFILE

SHEET No.
C-01
PROJECT No.
41-378

ELECTRICAL SYMBOL LEGEND:

Lighting System Symbols

- A O 1 RECESSED CEILING MOUNTED LIGHT FIXTURE - FIXTURE MARK "A", CIRCUIT "1" INDICATED.
- W O WALL MOUNTED LIGHT FIXTURE.
- O — SURFACE MOUNTED STRIP FLUORESCENT FIXTURE, 4' LONG.
- S SW SWITCH, SINGLE POLE, 20A, 120/277V. "K" INDICATES KEY OPERATED SWITCH.
- P O POLE MOUNTED LIGHTING FIXTURE, SINGLE HEAD. FIXTURE TYPE "P" INDICATED, CIRCUIT "4" INDICATED.

Miscellaneous Symbols

- J JUNCTION BOX. SIZE AS REQUIRED.

Power System Symbols

- W 1 DUPLEX WALL OUTLET, CIRCUIT "1" INDICATED. "G" INDICATES GFCI TYPE. "WP" INDICATES WEATHERPROOF OUTLET.
- # SINGLE PHASE MOTOR. # INDICATES MOTOR HORSEPOWER.
- SP SINGLE PHASE MOTOR. # INDICATES MOTOR HORSEPOWER.

Raceway Symbols

- LA CONDUIT CONCEALED IN WALL OR ABOVE CEILING. DOUBLE ARROWS INDICATE HOME RUN (PANEL "LA" INDICATED) NUMBER AND SIZE OF CONDUCTORS INDICATED, EITHER BY CALLOUTS OR HASHMARKS. NO HASHMARKS MEANS TWO (2) CONDUCTORS. IN ALL CONDUCTOR COUNTS, THE EQUIPMENT GROUNDING CONDUCTOR IS NOT INDICATED, ALTHOUGH IT IS REQUIRED TO BE INSTALLED.
- CONDUIT CONCEALED IN FLOOR OR BELOW GRADE.
- - - CONDUIT CONTAINING UNSWITCHED CIRCUIT (FOR EMERGENCY LIGHTING)
- EXPOSED CONDUIT.
- ~ FLEXIBLE CONDUIT CONNECTION. LENGTH AS REQUIRED AND ALLOWED BY SPECIFICATIONS AND NEC. CONDUIT SHALL BE LIQUID-TIGHT IN ALL OUTDOOR LOCATIONS, MECHANICAL ROOMS AND OTHER LOCATIONS WHERE FALLING OR SPRAYING WATER IS POSSIBLE.

Controls:

- R1 GENERAL PURPOSE RELAY, RELAY R1 INDICATED. CONTACT ARRANGEMENT AS REQUIRED.
- TD1 TIME DELAY RELAY, RELAY TD1 INDICATED. CONTACT ARRANGEMENT AS REQUIRED.
- M1 MOTOR STARTER COIL, MOTOR M1 INDICATED.

Controls:

- R1-1 NORMALLY CLOSED CONTACTS - COIL 'R1', CONTACT '1' INDICATED.
- R1-1 NORMALLY OPEN CONTACTS - COIL 'R1', CONTACT '1' INDICATED.
- TD1-1 TIMED CONTACTS - COIL 'TD1', CONTACT '1' INDICATED. NORMALLY CLOSED, TIMED OPENING.
- TD1-1 TIMED CONTACTS - COIL 'TD1', CONTACT '1' INDICATED. NORMALLY OPEN, TIMED CLOSING.
- R PILOT LIGHT - PUSH-TO-TEST TYPE, OIL TIGHT. LETTER INDICATES LENS COLOR: R=RED, G=GREEN, A=AMBER.
- HAND OFF AUTO HAND-OFF-AUTO, THREE POSITION ROTARY SELECTOR SWITCH, OIL-TIGHT. SEE SWITCHING DIAGRAM.
- STOP PUSHBUTTON, NORMALLY CLOSED CONTACTS. MOMENTARY ACTION UNLESS NOTED OTHERWISE.
- FS1 FLOAT SWITCH, NORMALLY OPEN, CLOSING ON RISING LIQUID LEVEL SWITCH FS1 INDICATED.
- TS1 TEMPERATURE SWITCH, NORMALLY CLOSED, SWITCH TS1 INDICATED.
- ETM ELAPSED TIME METER.
- O.L. MOTOR STARTER OVERLOAD RELAY CONTACTS.
- RESISTIVE HEAT STRIP FOR CONDENSATE CONTROL.
- 3A FUSE. 3A OVERCURRENT RATING INDICATED.
- CONTROL POWER TRANSFORMER. 2 KVA POWER RATING INDICATED. 120V PRIMARY VOLTAGE, 24V 2 SECONDARY VOLTAGE INDICATED.
- FIELD WIRING POINT OR TERMINAL BLOCK
- DISCRETE (DIGITAL) OR ANALOG INPUT TO PLC OR RTU
- DISCRETE (DIGITAL) OR ANALOG OUTPUT TO PLC OR RTU

PUMP STATION SCHEDULE

| SITE | SERVICE CHARACTERISTICS | # OF PUMPS | MAX PUMP HP | PUMP BREAKER | PUMP FEEDER | PUMP STARTER | REMARKS |
|--------------------------|-------------------------|------------|-------------|--------------|---------------|-----------------|---------|
| BROWN PLACE PUMP STATION | 480Y277 3Ø 4W | 2 | 40 | 100/3 | 3#4,1#8G-1"Ø. | RVAT SIZE 3* | - |

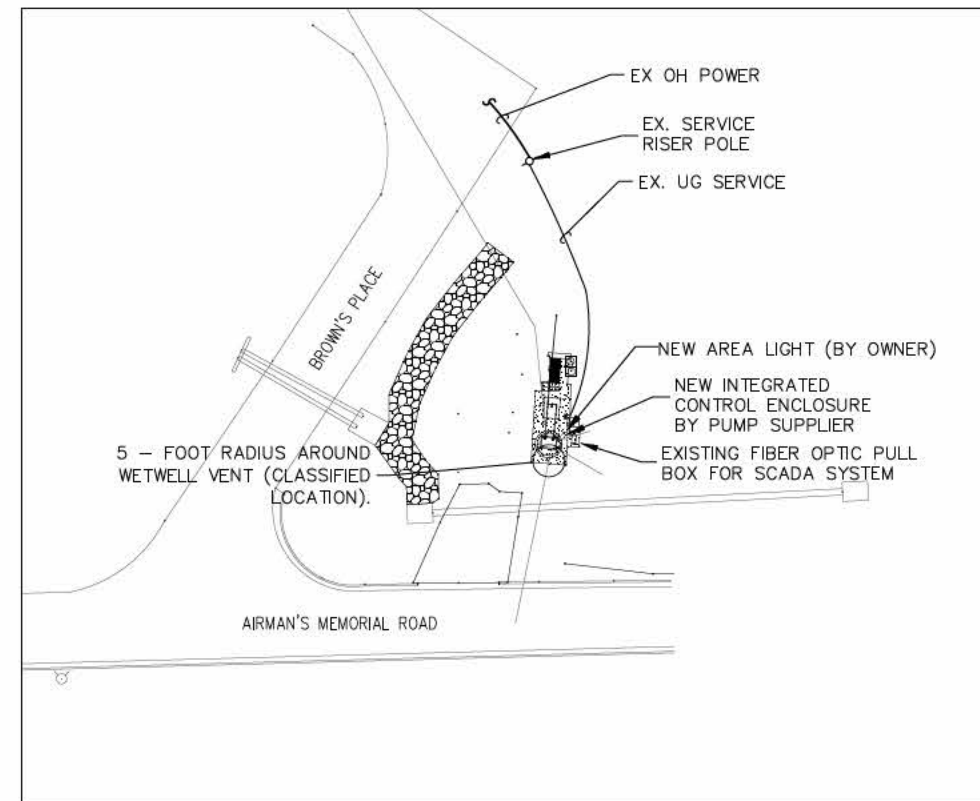
* RVAT TO BE SIZED IN ACCORDANCE WITH CHARACTERISTICS OF SUPPLIED PUMPS

GENERAL ELECTRICAL NOTES:

1. SERVICE TO EACH SITE SHALL BE AS INDICATED ON THE SCHEDULE ON THIS SHEET.
2. A GREEN EQUIPMENT GROUNDING CONDUCTOR (SIZED PER NEC) SHALL BE INSTALLED IN EACH CONDUIT.
3. ALL FLOAT SWITCHES SHALL BE WIRED AS INTRINSICALLY SAFE CIRCUITS AS REQUIRED BY NEC. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WHICH DEMONSTRATE THAT THIS REQUIREMENT HAS BEEN MET.
4. CONTRACTOR IS REQUIRED TO SUBMIT AS-BUILT CONTROL DIAGRAMS FOR EACH SITE WHICH REPRESENTS THE INSTALLED CONTROL SYSTEM. SEE SPECIFICATIONS FOR REQUIREMENTS.
5. FURNISH AND INSTALL FUSES IN FUSIBLE DISCONNECTS PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

ABBREVIATIONS:

- | | | | |
|------|---|------|---|
| ABV | ABOVE | GFCI | GROUND FAULT CIRCUIT INTERRUPTING. |
| AFG | ABOVE FINISHED GRADE. | MTD | MOUNTED |
| BFG | BELOW FINISHED GRADE. | NEC | NATIONAL ELECTRICAL CODE (NFPA 70). |
| CKT | CIRCUIT | RVAT | REDUCED-VOLTAGE AUTOTRANSFORMER (FOR STARTERS) |
| ECG | EQUIPMENT GROUNDING CONDUCTOR | RVSS | REDUCED-VOLTAGE SOLID-STATE (FOR STARTERS) |
| EP | EXPLOSION-PROOF | SPD | SURGE PROTECTIVE DEVICE (IEEE DESIGNATION). |
| FVNR | FULL-VOLTAGE NON-REVERSING (FOR STARTERS) | TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSOR (NEC DESIGNATION). SEE ALSO SPD. |
| GEC | GROUNDING ELECTRODE CONDUCTOR | WP | WEATHER PROOF |



ELECTRICAL SITE PLAN - BROWN PLACE
SCALE: 1"=30'



| | |
|--|---------------------------------|
| DATE | JUNE 2020 |
| DRAWN BY | 777 |
| DESIGNED BY | PHH |
| ENG / ARCH / SURVEYOR OF RECORD | PHH / ARCH / SURVEYOR OF RECORD |
| REGISTRATION No. | 13870 |
| These drawings are copyrighted and the property of Poly, Inc. Any reuse, reproduction or distribution without the written permission of Poly, Inc. is strictly prohibited. Agreement with Poly, Inc. | |
| FL | FL |
| CA | CA |
| LA | LA |
| NC | NC |
| TX | TX |
| VA | VA |
| Other States | |

POLY, INC.
 1806 Headland Avenue
 Dothan, AL 36003
 334-795-4700
 102 Sunset Lane - 2135 University Blvd. Ste. A
 Tallahassee, AL 36901
 905-668-1100
 205-752-4037
 WWW.POLY-INC.COM

BROWN PLACE PUMP STATION AND CONTROLS UPGRADE (EQUIPMENT ONLY)
 OKALOOSA COUNTY WATER AND SEWER CRESTVIEW, FLORIDA
LEGEND, NOTES, ABBREVIATIONS AND SITE PLANS

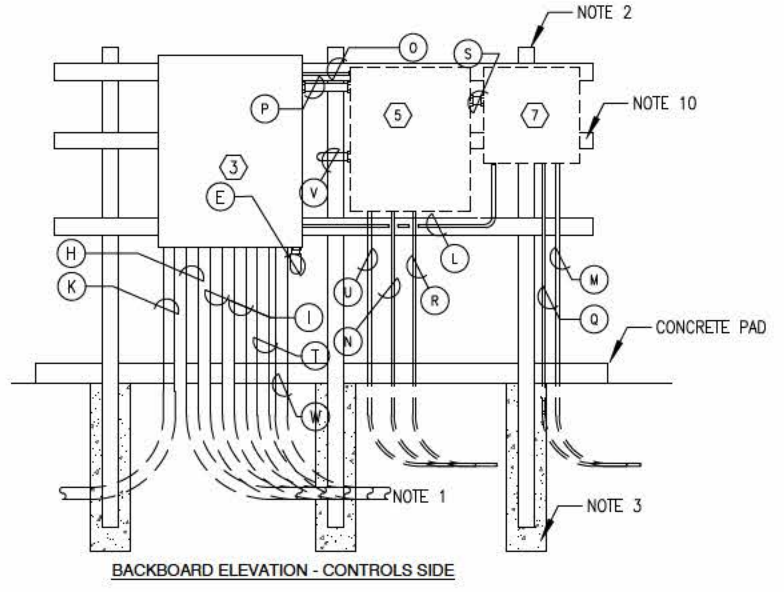
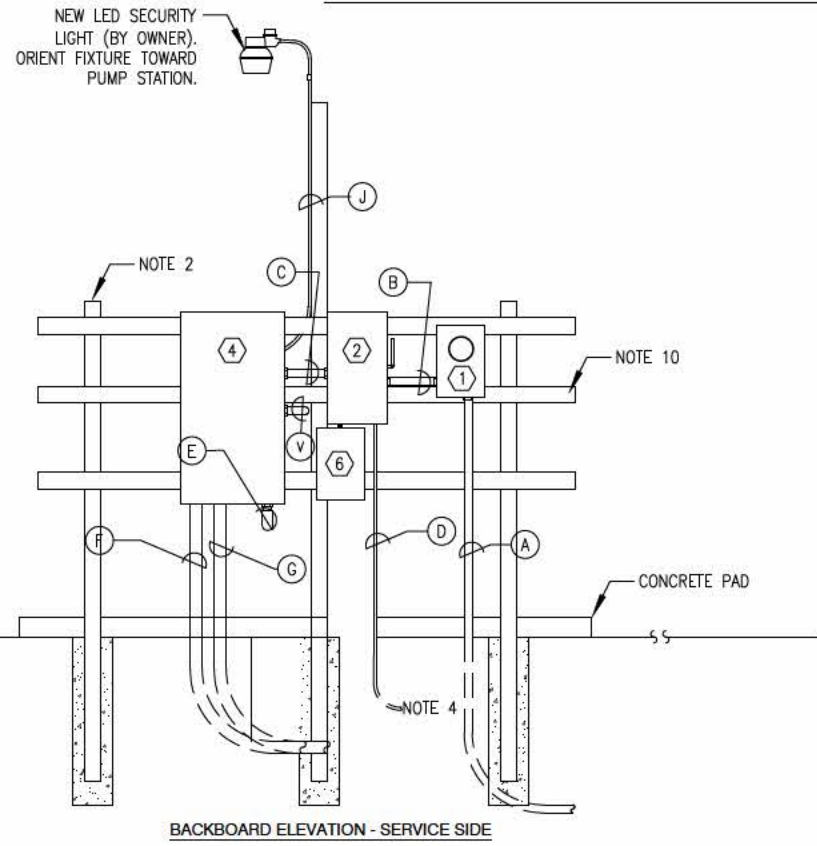
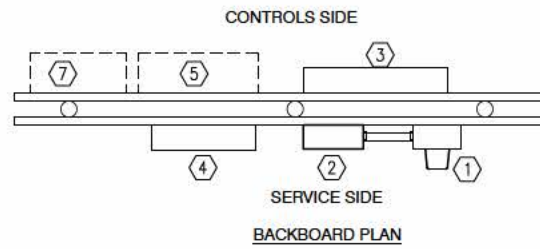
SHEET No.
E-01
 PROJECT No.
 41-378

Poly, Inc. - H:\MASTER PROJECT FOLDER\41 Okaloosa\41-378 General Engineering Support\Brown's Place PS Upgrade\Plans\E01_ Legend-Notes.dwg [E-01] Last Printed: August 04, 2020 - 10:53am By: MEvans

NOTES:

1. WET WELL CABLING (FOR PUMPS, FLOATS, ETC) SHALL BE ROUTED TO AN INTERMEDIATE JUNCTION BOX, WHERE THE CABLES WILL BE TERMINATED. THEN THE SIGNALS SHALL CONTINUE TO THE CONTROL PANEL VIA PERMANENT WIRING. SEE DETAILS.
2. 3" X 10' ALUMINUM CONDUIT POLES IMBEDDED IN THE OUTSIDE EDGE OF SLAB 3' IN THE GROUND. PROVIDE CAP AT TOP OF POLE. (EXISTING)
3. EMBED SUPPORT LEGS IN CONCRETE FOOTING AS SHOWN. COAT SUPPORT LEGS BELOW GRADE WITH TWO COATS OF BITUMASTIC PAINT. (EXISTING)
4. SEE SPECIFICATIONS FOR REQUIREMENTS OF GROUNDING ELECTRODE SYSTEM.
5. ALL MOUNTINGS AND CONNECTIONS SHALL UTILIZE ADEQUATELY SIZED STAINLESS STEEL BOLTS, NUTS, AND WASHERS.
6. ARRANGEMENT OF ITEMS ON BACKBOARD MAY BE MIRRORED DEPENDING ON THE LOCATION OF THE UTILITY COMPANY SERVICE POLE. SEE SITE PLAN(S) TO DETERMINE CORRECT ORIENTATION. (EXISTING)
7. PROVIDE CIRCUIT BREAKERS MOUNTED INSIDE CONTROL PANEL ENCLOSURE TO MEET THE REQUIREMENTS OF 120V LOADS INCLUDING FOUR 20A, 1-POLE CIRCUIT BREAKERS FOR CONTROL POWER, CONTROL PANEL MOUNTED DUPLEX RECEPTACLES, PANEL LIGHT, SITE LIGHT, AND SPARE.
8. ALL CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATIONS.
9. EXTEND POLE AN ADDITIONAL 5' TO MOUNT AN AREA LIGHT (EXISTING)
10. 10' STAINLESS STEEL CHANNEL EQUAL TO UNISTRUT P1000 SERIES. (EXISTING)

**REPRESENTATIVE PANEL LAYOUT
MAY DIFFER FROM ACTUAL FIELD LAYOUT**



BACKBOARD DETAILS
SCALE: 1/2"=1'-0"

ELECTRICAL EQUIPMENT SCHEDULE

| MARK | DESCRIPTION | MINIMUM VOLTAGE RATING | MINIMUM CURRENT RATING | NOTES |
|------|--|------------------------|------------------------|-------------|
| ① | SERVICE METER. CONTRACTOR SHALL INSTALL METER BASE PER REQUIREMENTS OF THE LOCAL UTILITY COMPANY. | 277/480V | 200A | EXISTING |
| ② | MAIN DISCONNECT SWITCH "MD". 3-POLE, 4-WIRE SWITCH. FUSED DISCONNECT SWITCH, FUSED WITH CLASS RK1 CURRENT LIMITING FUSES. NEMA 3R STAINLESS STEEL ENCLOSURE. | 277/480V | 200A | 200A FUSES |
| ③ | CONTROL PANEL. NEMA 4X STAINLESS STEEL ENCLOSURE. SEE SPECIFICATIONS. | 277/480V | N/A | BY SUPPLIER |
| ④ | AUTOMATIC TRANSFER SWITCH "ATS". | 277/480V | 200A | EXISTING |
| ⑤ | SCADA RTU ENCLOSURE BY OWNER | | | EXISTING |
| ⑥ | TVSS WITH INTEGRAL DISCONNECT PER SPECS | 277/480V | N/A | |
| ⑦ | FLOW METER TRANSMITTER BY OWNER | N/A | N/A | N/A |

CONDUIT & WIRE CABLE SCHEDULE

| MARK | ORIGINATION | DESTINATION | TYPE | CONDUIT & WIRE/CABLE SIZES | NOTES |
|------|---------------------------|-------------------------------|------------|--------------------------------|----------|
| A | SERVICE RISER POLE | SERVICE METER | SERVICE | 4#3/0 - 2°C. | REMAIN |
| B | SERVICE METER | MAIN DISCONNECT | SERVICE | 4#3/0 - 2°C. | 1 |
| C | MAIN DISCONNECT | AUTOMATIC TRANSFER SWITCH | FEEDER | 4#3/0 & 1#6G - 2°C. | 1 |
| D | MAIN DISCONNECT | GROUNDING ELECTRODE SYSTEM | GEC | #2 - 3/4". (PVC) | 1 |
| E | AUTOMATIC TRANSFER SWITCH | CONTROL PANEL | FEEDER | 4#3/0 & 1#6G - 2°C. | 1 |
| F | STANDBY GENERATOR | AUTOMATIC TRANSFER SWITCH | FEEDER | 4#3/0 & 1#6G - 2°C. | 1 |
| G | AUTOMATIC TRANSFER SWITCH | STANDBY GENERATOR | CONTROLS | CONTROL & SIGNAL WIRE IN 1°C. | 1 |
| H | CONTROL PANEL | FLOATS VIA JUNCTION BOX | CONTROLS | FLOAT SWITCH CABLES IN CONDUIT | 2 |
| I | CONTROL PANEL | PUMPS VIA JUNCTION BOX | FEEDER | 3#2 & 1#6G - 2°C. | 3 |
| J | CONTROL PANEL | AREA LIGHT FIXTURE | BRANCH CKT | 2#12 & 1#12G - 3/4°C. | |
| K | CONTROL PANEL | TELEPHONE SERVICE PEDESTAL | TELEPHONE | 2°C. WITH PULL STRING | |
| L | CONTROL PANEL | FLOW METER XMTR | BRANCH CKT | 2#12 & 1#12G - 3/4°C. | |
| M | FLOW METER XMTR | FLOW METER | INSTRUMENT | 4-20mA CABLE - 1°C. | |
| N | SCADA RTU | FIBER OPTIC PULL BOX | SCADA | 2°C. WITH PULL STRING | EXISTING |
| O | CONTROL PANEL | SCADA RTU | BRANCH CKT | 2#12 & 1#12G - 3/4°C. | |
| P | CONTROL PANEL | SCADA RTU | SCADA | CONTROL CABLE - 2°C. | |
| Q | FLOW METER XMTR | FLOW METER | N/A | N/A | N/A |
| R | SCADA RTU | LEVEL TRANSDUCER VIA JCT. BOX | INSTRUMENT | 4-20mA CABLE - 1°C. | |
| S | SCADA RTU | FLOW METER TRANSMITTER | INSTRUMENT | 4-20mA CABLE - 1°C. | |
| T | CONTROL PANEL | BLOCK HEATER/BATTERY CHARGER | FEEDER | 3#12 & 1#12G - 3/4°C | |
| U | GENERATOR | SCADA RTU | INSTRUMENT | CONTROL & SIGNAL WIRE IN 1°C | |
| V | AUTOMATIC TRANSFER SWITCH | SCADA RTU | INSTRUMENT | CONTROL & SIGNAL WIRE IN 1°C | |
| W | CONTROL PANEL | PUMPS VIA JUNCTION BOX | SPARE | SPARE 2" CONDUIT | |

- CONDUIT & WIRE CABLE SCHEDULE NOTES:**
1. WIRING FROM METER TO CONTROL PANEL TO BE UPGRADED BY OWNER
 2. PUMP POWER AND CONTROL CABLE(S) PROVIDED BY PUMP MANUFACTURER AND INSTALLED BY OWNER.
 3. FLOAT SWITCH CABLES PROVIDED BY FLOAT SWITCH MANUFACTURER.

Poly, Inc. - H:MASTER PROJECT FOLDER(41) Okaloosa41-378 General Engineering Support(Brown's Place PS Upgrade)Plans(E02-WITH GEN.dwg [Layout1]) Last Printed: August 04, 2020 - 10:50am By: MEvans



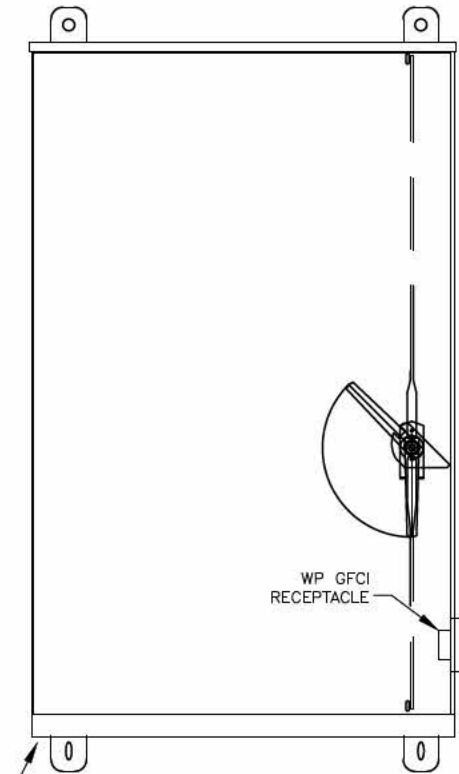
POLY, INC.
1806 Headland Avenue
Dorhan, AL 36020
334-793-0700
102 Sunset Lane
Shelton, FL 32579
850-608-1100
WWW.POLY-INC.COM

DESIGNED BY: PHH
DRAWN BY: 777
DATE: JUNE 2020
REGISTRATION No.: 13870
These drawings are copyrighted and the property of Poly, Inc. No part of this drawing may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Poly, Inc.

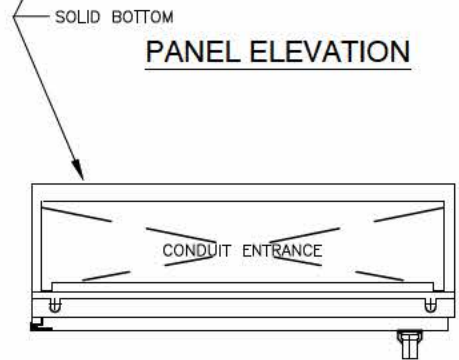
BROWN PLACE PUMP STATION AND CONTROLS UPGRADE (EQUIPMENT ONLY)
OKALOOSA COUNTY WATER AND SEWER
CRESTVIEW, FLORIDA

TYPICAL ELECTRICAL DETAILS
AND PUMP STATION SCHEDULE

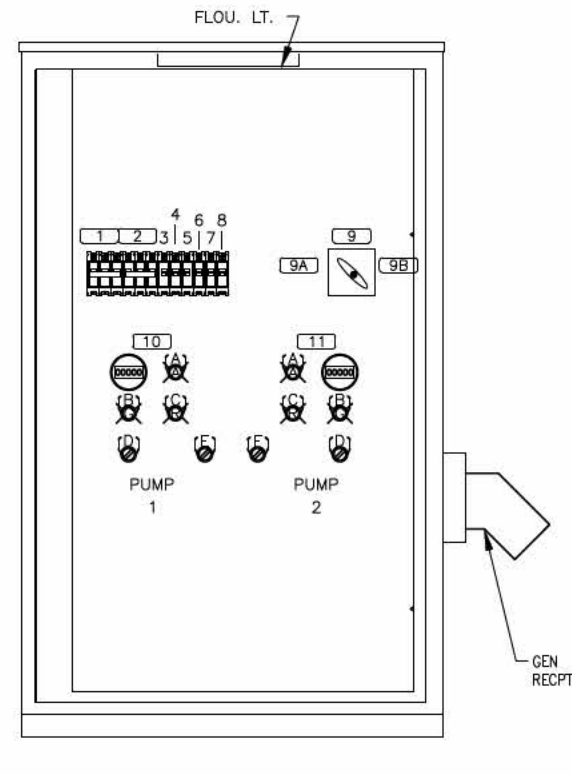
SHEET No.
E-02
PROJECT No.
41-378



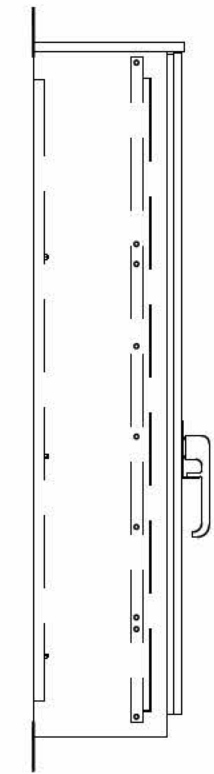
PANEL ELEVATION



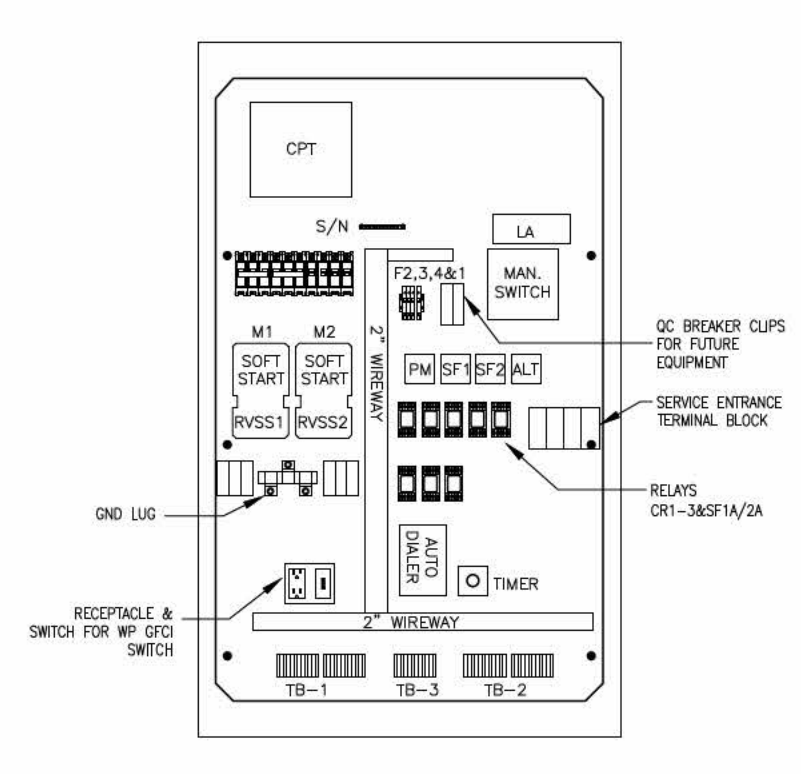
PANEL BASE PLAN



INNER DEADFRONT DOOR



PANEL SIDE VIEW



PANEL BACKPLANE

ENCLOSURE CONSTRUCTION NOTES

1. EXTERIOR 14 GA. 304 2D STAINLESS STEEL AND INTERIOR 14 GA. COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEMA 4X STAINLESS STEEL.
3. ALL NUTS, BOLTS, SCREWS AND HINGES WILL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS WITH NEOPRENE WASHERS.
5. PLASTIC NAMEPLATES WILL BE PROVIDED AS REQUIRED.
6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR. INCLUDE POCKET ON INSIDE OF DOOR FOR DIAGRAM.
8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
9. COLOR TO BE: UNPAINTED.
10. A MINIMUM OF 12"H X 12"W SHALL BE VACANT ON INSIDE OF SUB PANEL FOR FUTURE EQUIPMENT.
11. ENCLOSURE LAYOUT AND EQUIPMENT IS DIAGRAMMATIC TO SHOW INTENT OF CONTROLS. ADJUST CONFIGURATION AND LAYOUT FOR A COMPLETE AND FUNCTIONING SYSTEM MEETING ALL LOCAL, STATE AND NATIONAL CODES.

| NAMEPLATE SCHEDULE | | | | |
|--------------------|-----|-------|-----------|-------------------------------------|
| TAG# | QTY | TYPE | SIZE | INSCRIPTION |
| 1 | 1 | PLATE | .75" x 3" | PUMP 1 DISCONNECT |
| 2 | 1 | PLATE | .75" x 3" | PUMP 2 DISCONNECT |
| 3 | 1 | PLATE | .75" x 3" | CONTROLS |
| 4 | 1 | PLATE | .75" x 3" | SCADA |
| 5 | 1 | PLATE | .75" x 3" | LT/RECPT. |
| 6 | 1 | PLATE | .75" x 3" | FLOW METER XMTR |
| 7 | 1 | PLATE | .75" x 3" | BATTERY CHARGER |
| 8 | 1 | PLATE | .75" x 3" | BLOCK HEATER |
| 9 | 1 | PLATE | .75" x 3" | CONTROL PANEL MAIN SWITCH -- OFF |
| 9A | 1 | PLATE | .75" x 3" | ON |
| 9B | 1 | PLATE | .75" x 3" | GEN REC |
| 10 | 1 | PLATE | .75" x 3" | PUMP 1 |
| 11 | 1 | PLATE | .75" x 3" | PUMP 2 |
| A | 2 | RING | N/A | SEAL FAILURE |
| B | 2 | RING | N/A | RUNNING |
| C | 2 | RING | N/A | OVER TEMP |
| D | 2 | RING | N/A | OFF HAND AUTO |
| E | 1 | RING | N/A | OUTSIDE LIGHT ON OFF |
| F | 1 | RING | N/A | INSIDE LIGHT ON OFF |



| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |

DESIGNED BY: PHH
 ENG / ARCH / SURVEYOR OF RECORD: PHILIP M. HUMBER, P.E.
 DATE: JUNE 2020
 REGISTRATION NO.: 13870

DRAWN BY: 777

DATE: JUNE 2020
 REGISTRATION NO.: 13870

100 Sunset Lane
 Shalimar, FL 32579
 850-608-1100

1806 Headland Avenue
 Dothan, AL 36003
 334-795-7700

2135 University Blvd. Ste. A
 Tallahassee, AL 32301
 252-752-4037

WWW.POLY-INC.COM

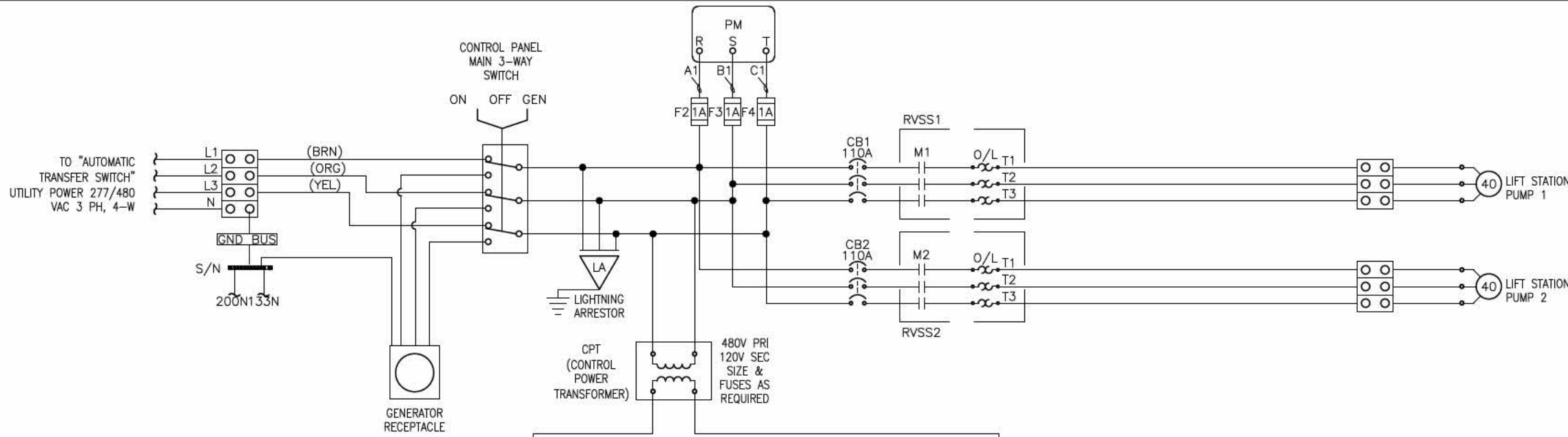
These drawings are copyrighted and the property of Poly, Inc. Any use, partial or full, without the express written permission of Poly, Inc. is prohibited.

BROWN PLACE PUMP STATION AND CONTROLS UPGRADE (EQUIPMENT ONLY)
 OKALOOSA COUNTY WATER AND SEWER CRESTVIEW, FLORIDA

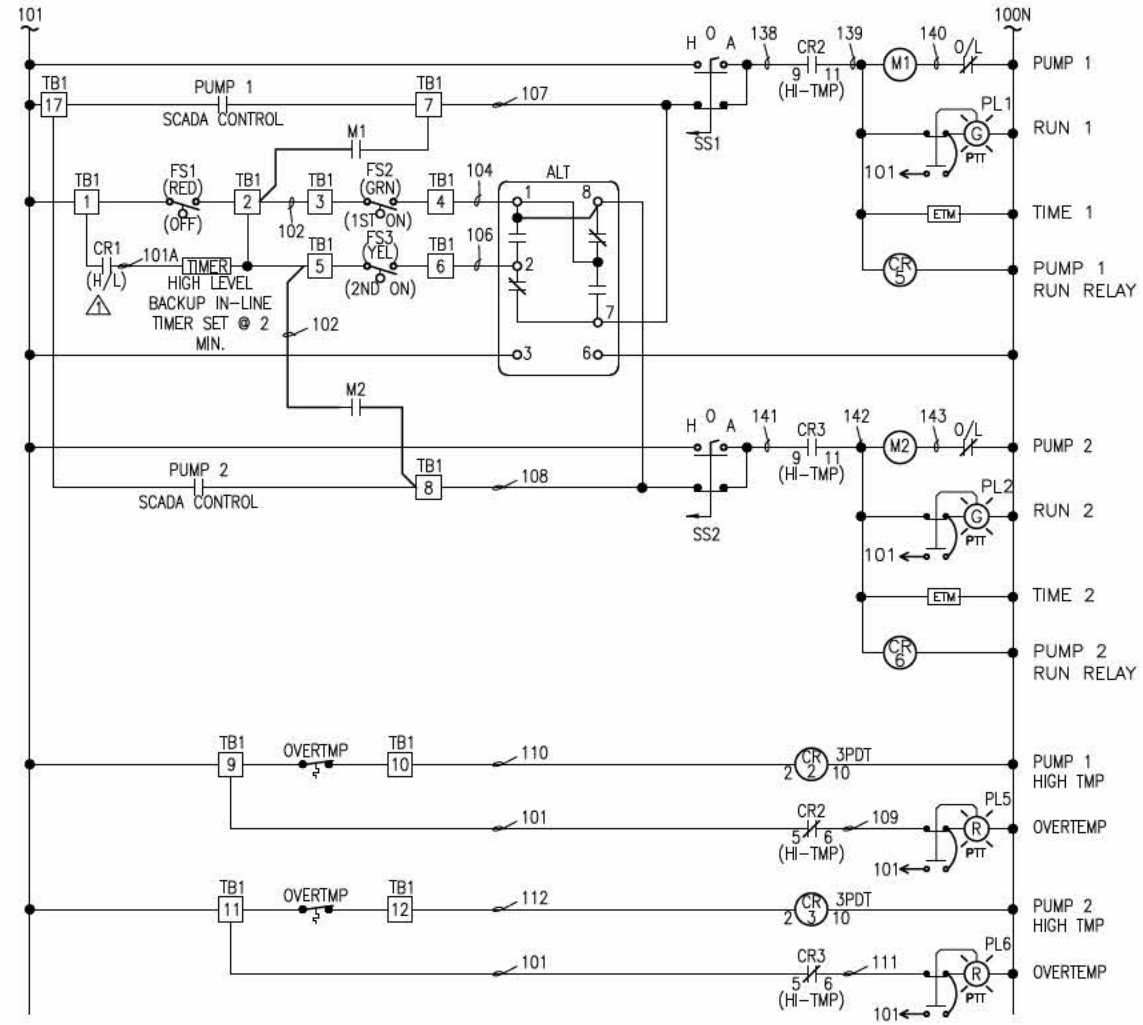
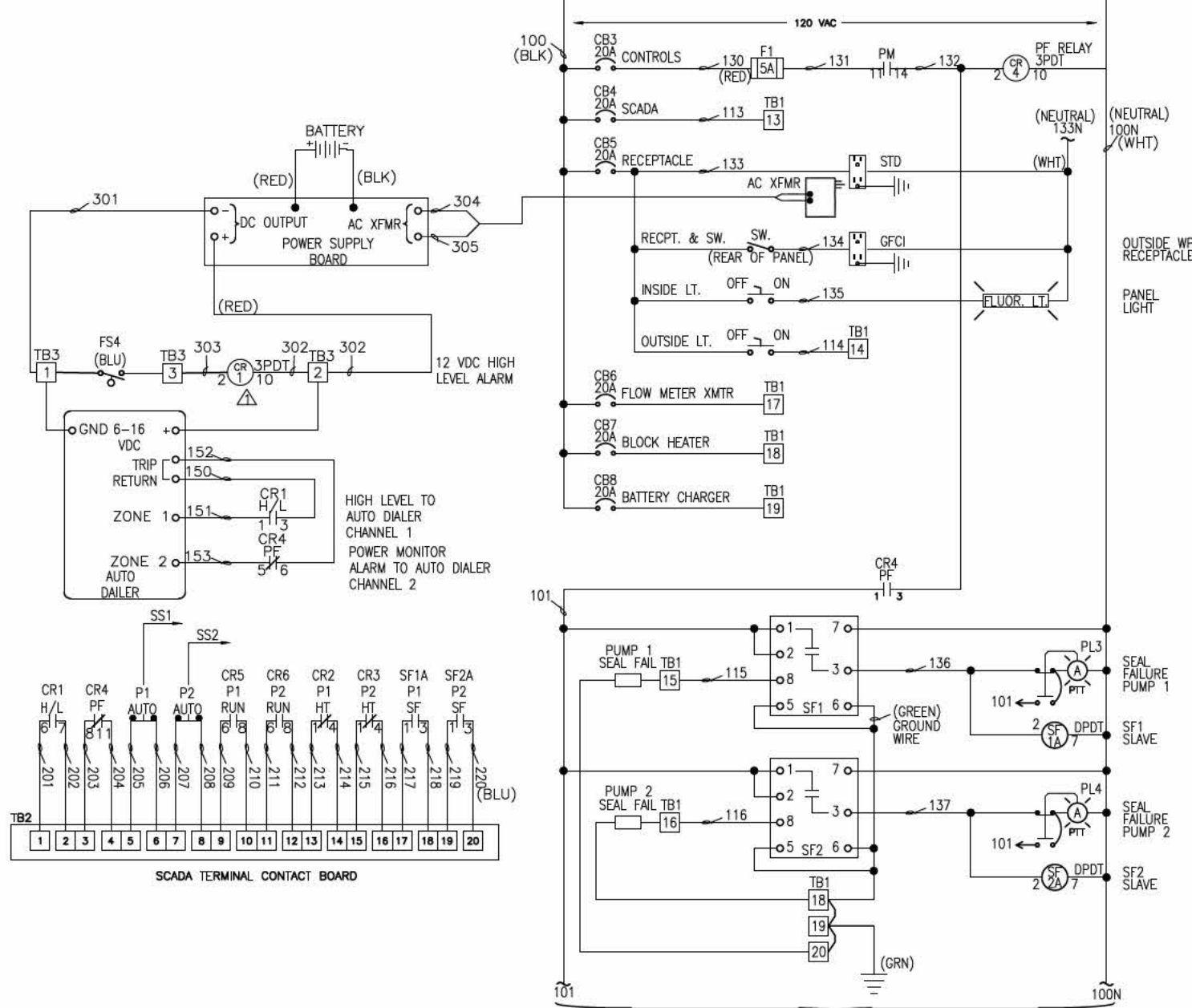
TYPICAL PANEL DETAILS

Poly, Inc. - H:\MASTER PROJECT FOLDER\41 Okaloosa\41-378 General Engineering Support\Brown's Place PS Upgrade\Plane\E03.dwg [E-03] Last Printed: August 04, 2020 - 10:48am By: MEiams

Poly, Inc. - H-MASTER PROJECT FOLDER(41) Okaloosa41-378 General Engineering Support\Brown's Place PS Upgrade\Plans\E-04.dwg [E-04] Last Printed: August 04, 2020 - 10:47am By: MEians



- GENERAL NOTES FOR CONTROL DIAGRAMS:**
1. ALL CONTROLS ARE SHOWN DE-ENERGIZED.
 2. ALL CONTROL DIAGRAMS SHOW CONTROL FUNCTIONS ONLY WHERE REQUIRED, SLAVE RELAYS SHALL BE INSTALLED.
 3. CONTROL DIAGRAM IS DIAGRAMMATIC TO SHOW INTENT OF CONTROLS. ADJUST CONFIGURATIONS FOR A COMPLETE AND FUNCTIONING SYSTEM MEETING ALL LOCAL, STATE AND NATIONAL CODES.



CONTINUED ABOVE RIGHT
3-LINE AND CONTROL DIAGRAM



| | |
|---------------------------------|------------------|
| DATE | JUNE 2020 |
| DESIGNED BY | PHM |
| DRAWN BY | 777 |
| REGISTRATION No. | 13870 |
| ENR / ARCH / SURVEYOR OF RECORD | PHILIP M. HUMBER |
| Out. of Auth. No. | |
| FL | CA |
| ARCHITECT | Case 05 |
| ENGINEER | Case 05 |
| SURVEY | Case 05 |
| LABORER | Case 05 |

These drawings are copyrighted and the property of Poly, Inc. No part of this drawing may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Poly, Inc.

POLY, INC.
1806 Headland Avenue
Dothan, AL 36003
334-795-0700

102 Sunset Lane
Shalimar, FL 32070
850-608-1100

2135 University Blvd. Ste. A
Tallahassee, AL 36001
252-752-0077

WWW.POLY-INC.COM