

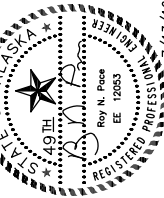
SHEET NOTES

- 1 ROUTE CONDUIT ADJACENT TO PIPELINE, BELOW GRADE.
- 2 ROUTE CONDUIT ABOVE GRADE, ADJACENT TO PIPELINE WHERE PRACTICAL.
- 3 SERVICE LATERALS. PROVIDE TRENCH, CONDUIT, AND CONDUCTOR FROM METER-MAIN TO POWER POLE. STUB CONDUIT ONTO POLE 18". PULL CONDUCTOR THROUGH CONDUIT AND NEATLY COIL 50' OF ADDITIONAL CONDUCTOR AT POWER POLE. COVER CONDUIT OPENING WITH DUCT SEAL. IPEC TO COMPLETE CONDUIT UP POLE AND TO TERMINATE CONDUCTORS.
- 4 ONE CABLE IN 2" CONDUIT IS RUN AS A SPARE.

CIRCUIT SCHEDULE

| TAG | DESCRIPTION |
|-----|---|
| 1 | 2"C, (3)#2 AWG (2H, N) |
| 2 | 1-1/2"C, (2)16-CONDUCTOR CABLE #14 AWG (16 SIG), (1)#12 AWG (G) |
| 3 | 2"C, (2)16-CONDUCTOR CABLE #14 AWG (16 SIG), (1)#12 AWG (G) |
| 4 | 1/2"C, (2)#12 AWG (H,N), (1)12 AWG (G) |

| REVISIONS | DATE | DESCRIPTION |
|-----------|-----------|--------------------|
| 1 | 7/13/2016 | REVISE GAS STATION |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |



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KAKE BULK FUEL UPGRADES
ALASKA ENERGY AUTHORITY
KAKE, ALASKA

SHEET TITLE
ELECTRICAL PLAN

SHEET
E2.01

DRAWN BY:
VJ/OM

CHECKED BY:
RP

DATE:
5/27/16

SCALE:
AS NOTED

JOB NUMBER:
13-040

1 ELECTRICAL PLAN
E2.01 SCALE: 1:200

Drawing: P:\Projects\HDL\Kake Bulk Fuel Upgrades\Drawings\Elec\E2.01_E2.05 Electrical Plans.dwg DATE/TIME: 7/13/2016 7:21:28 AM Sheet Layout: E2.04 GAS STATION ELECTRICAL PLAN

1
E2.04

GAS STATION ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

| TAG ID | LOAD | | | | | CIRCUIT SIZE | NOTE |
|--------|------|----|-----|-----|----|---|------|
| | KVA | HP | FLA | V | PH | | |
| 603 | 0.1 | — | — | 120 | 1 | 1/2"C, (5)#14 AWG (3 SIG, H, N), (1)#12 AWG (G) | 1 |
| 610 | 0.1 | — | — | 120 | 1 | 1/2"C, (5)#14 AWG (3 SIG, H, N), (1)#12 AWG (G) | 1 |

NOTE 1: ROUTE CONDUCTORS TO CP-D.

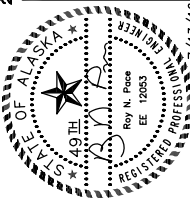
| CIRCUIT SCHEDULE | |
|------------------|---|
| TAG | DESCRIPTION |
| ① | SEE E2.01, CIRCUIT 3. |
| ② | 1/2"C, (6)#12 (4 SIG,H,N), (1)#12 AWG (G) |
| ③ | 1"C, (18)#12 (14 SIG,2H,2N), (1)#12 AWG (G) |
| ④ | 1"C, (20)#12 (16 SIG,2H,2N), (1)#12 AWG (G) |
| ⑤ | 1/2"C, (2)#14 (2 SIG), (1)#12 AWG (G) |
| ⑥ | 1/2"C, (2)#12 (H,N), (1)#12 AWG (G) |
| ⑦ | 1"C, (15)#14 AWG (14 SIG), (1)#12 AWG (G) |
| ⑧ | 3/4" SPARE FOR FUTURE MARINE DISPENSER. |
| ⑨ | 2"C, (2)16-CONDUCTOR CABLE #14 AWG (16 SIG), (4)#14 (4 SIG), (1)#12 AWG (G) |
| ⑩ | 2"C, (2)16-CONDUCTOR CABLE #14 AWG (16 SIG), (6)#14 (6 SIG), (1)#12 AWG (G) |

⬡ SEE E3.01 FOR EQUIPMENT SCHEDULE.

SHEET NOTES

- ① (E) 280/120V, 3 ϕ SERVICE METER/MAIN TO REMAIN
- ② (E) 208/120V, 3 ϕ PANEL 'A' TO REMAIN
- ③ (N) 120V PANEL 'CP-A', LOCATION TO BE DETERMINED BY OWNER.
- ④ DEMOLISH (E) CONTROL PANEL, TURN OVER EQUIPMENT TO OWNER. DEMOLISH ALL ASSOCIATED CONDUIT, CABLE, AND DEVICES ASSOCIATED WITH THE CONTROL PANEL.
- ⑤ MOUNT CONDUIT TO WALL
- ⑥ SALVAGE (E) CONSOLE AND DEMOLISH POWER CIRCUIT.
- ⑦ DEMOLISH (E) INTERCONNECT EQUIPMENT AND WIRING.
- ⑧ GILBARCO DATA CABLES.
- ⑨ MANUFACTURER FURNISHED CABLE.
- ⑩ INSTALL (N) FUEL CONSOLE AT FUTURE REGISTER, LOCATION TO BE DETERMINED BY OWNER.
- ⑪ INSTALL (N) INTERCONNECT BOX AT LOCATION TO BE DETERMINED BY OWNER.

| REVISIONS | DATE | DESCRIPTION |
|-----------|-----------|---------------|
| 1 | 7/13/2016 | REPLACE SHEET |



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SHEET TITLE
GAS STATION ELECTRICAL PLAN

SHEET
E2.04

DRAWN BY: VI/OM
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SCALE: AS NOTED

