

CIRCLE K STORES, INC. PROJECT NO. 20130780 - 08/12/2013
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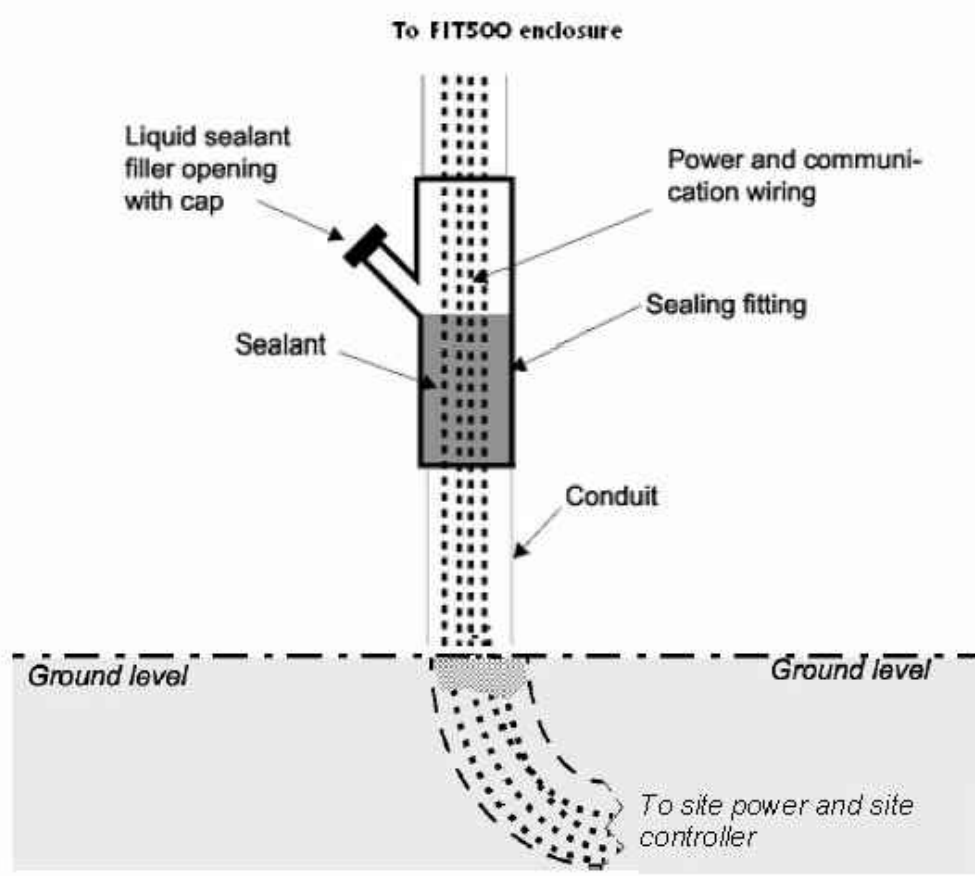
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Conduit entering the hazardous area must have a seal-off installed 18 inches above grade to prevent liquid or fumes from entering the area.



4 SEAL OFF DETAIL
SCALE: NTS
DETAIL FOR REFERENCE ONLY

GENERAL NOTES

1. ALL EXTERIOR DEVICES TO BE WEATHERPROOF.
2. ALL FUEL ISLAND CONDUITS SHALL BE ROUTED TO THE RESPECTIVE PANELS AND/OR TO THE FUEL CONTROL PANELS LOCATED IN THE MANAGERS' OFFICE/STORAGE ROOM.
3. PROVIDE ALL EMPTY CONDUITS WITH PULL STRING AND CAP AT BOTH ENDS.
4. ELECTRICAL CONTRACTOR SHALL CONTACT POWER COMPANY REGARDING EXACT LOCATION OF ALL PRIMARY SERVICE EQUIPMENT, TRENCH LOCATIONS, TRANSFORMER LOCATION, METER LOCATION, ETC.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY SECONDARY CONDUITS, POWER TRENCHING, BACKFILL, CONCRETE PADS FOR TRANSFORMERS AND SERVICE EQUIPMENT AND CONDUIT STUBS INTO TRENCH AS REQUIRED BY POWER COMPANY AND TO THEIR SPECIFICATIONS.
6. ELECTRICAL CONTRACTOR SHALL CONTACT TELEPHONE COMPANY REGARDING EXACT LOCATION OF ALL PRIMARY SERVICE EQUIPMENT, SERVICE EQUIPMENT, TRENCH LOCATIONS, ETC.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY TELEPHONE TRENCHING, BACKFILL, AND CONDUIT STUBS INTO TRENCH AS REQUIRED BY TELEPHONE COMPANY AND TO THEIR SPECIFICATIONS.
8. ALL WIRING OUTSIDE SHALL BE A MINIMUM OF #10 COPPER WITH TYPE 'XHHW-2' INSULATION. FOR UNDERGROUND CIRCUITS RUN IN P.V.C., PROVIDE A #10 COPPER BOND IN ADDITION TO CIRCUIT CONDUCTORS.
9. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND COMPLIANCE WITH THE UTILITY COMPANY'S REQUIREMENTS. WITHIN TWO WEEKS AFTER AWARD OF CONTRACT, SUBMIT (2) COMPLETE SETS OF PLANS, INCLUDING PLOT OF SURVEY, TO UTILITY COMPANY FOR COORDINATION. ROUTING OF INCOMING POWER AND TELEPHONE SERVICE SHOWN ARE FOR ESTIMATING PURPOSES ONLY. ACTUAL ROUTING, CONDUIT, TRENCH, AND PAD REQUIREMENTS SHALL BE AS SPECIFIED BY THE UTILITY COMPANY. CONFIRM ALL REQUIREMENTS WITH UTILITIES PRIOR TO INSTALLATION.
10. ALL UNDERGROUND CABLE, PIPE, AND CONDUITS SHALL BE DETECTIBLE (METALLIC) OR HAVE A DETECTABLE UNDERGROUND DEVICE INSTALLED PER AZ STATUTE 40-360.22.M.
11. ALL EXTERIOR LIGHTING SHALL BE FULL CUT OFF AND HORIZONTALLY TO THE GROUND.

KEY NOTES

1. 3/4" CONDUIT FOR TANK MONITOR CONTROL.
2. 3/4" CONDUIT FOR VR SENSOR CONTROL. PULL AND TERMINATE FEEDER ROOT WIRING AT PUMPS, AUTO TANK GAUGES, BRINE SENSORS, HOOK SWITCHES AND TDS50. PROVIDE BELDEN 9800 OR EQUIV. 18/2 STRANDED, OAS, JACKETED, PLENUM CABLE. VERIFY/ COORDINATE WITH FUEL PIPING PLANS.
3. 3/4" CONDUIT TO EQUIPMENT ROOM FOR INTERCOM. PULL AND TERMINATE INTERCOM WIRING. 22/2 STRANDED, OAS, JACKETED, PLENUM CABLE. VERIFY/ COORDINATE WITH FUEL PIPING PLANS.
4. 3/4" EMPTY CONDUIT - (EXTRA).
5. PROVIDE SEAL-OFF FITTINGS AT EACH END OF CONDUIT IN CONJUNCTION WITH G.V.R. DISPENSER MANUAL.
6. CONTRACTOR TO PROVIDE 3-1" CONDUITS, WP J-BOX FOR POLE SIGN. VERIFY EXACT LOCATION WITH OWNER. (INSTALLED UNDER SEPARATE PERMIT)
7. 1" CONDUIT FOR POWER HOMERUN.
8. SERVICE ENTRANCE SECTION.
9. (3) 4" EMPTY CONDUITS FOR SECONDARY FEEDERS.
10. PROVIDE HOUSEKEEPING PAD FOR POWER CO. PAD MOUNTED TRANSFORMER PER SERVING POWER COMPANY REQUIREMENTS.
11. (2) 4" CONDUITS FOR SERVING POWER CO. PRIMARIES.
12. TERMINATE PER SERVING UTILITY CO. REQUIREMENTS.
13. (3) 4" EMPTY CONDUITS FOR TELEPHONE SERVICE. VERIFY EXACT QUANTITY AND SIZE WITH SERVING TELEPHONE COMPANY.
14. "EMERGENCY POWER OFF" SWITCH PER NEC 2008, NEC ART 514.11. PROVIDE SIGNAGE PER IFC SECTION 2204, 2205. (VERIFY EXACT LOCATION WITH CIRCLE K).
15. WP J-BOX FOR COMPLETE CONNECTION OF CANOPY SIGN. VERIFY EXACT LOCATION IN FIELD.
16. WP J-BOX FOR COMPLETE CONNECTION OF WATER/AIR FILL STATION. VERIFY EXACT LOCATION IN FIELD, AND VERIFY REQUIREMENTS PRIOR TO ROUGH-IN.
17. 1" CONDUIT FROM ELECTRICAL ROOM/MECHANICAL ROOM, TO CLOSEST CANOPY COLUMN. ROUTE UP TO CANOPY DECK FOR SPEAKER CONNECTION.
18. NOT USED.
19. NOT USED.
20. LIGHTING CIRCUITS SHALL BE ROUTED VIA 20A 12 POLE ELECTRICALLY HELD LIGHTING CONTACTOR CONTROLLED BY THE 'EPO' SWITCH LOCATED ON THE GAS CANOPY. SEE DETAIL 1 SHEET E1.5.
21. VENT RISER FROM TANKS.
22. COORDINATE WITH CIVIL DRAWINGS.
23. TANK FILL POINT.
24. 3/4" CONDUIT FROM GAS CANOPY TO ELECTRICAL RM FOR MUSIC/SPEAKERS

NOTE:
CLASS 1 DIVISION 1 HAZARDOUS AREA: 20 FT RADIUS PER NEC ARTICLE 514. ALL WIRING IN THIS AREA INCLUDING BELOW GRADE SHALL BE INSTALLED IN THREADED RIGID METAL CONDUIT PER NEC ARTICLE 514.8. PROVIDE ALL EXPLOSION PROOF FITTINGS AND SEALS NECESSARY TO COMPLETE CONDUIT SYSTEMS. NO SUBSTITUTIONS SHALL BE MADE UNLESS APPROVED BY THE AUTHORITY HAVING JURISDICTION. PROVIDE EXPLOSION PROOF J-BOXES (CROUSE HINDS) MODEL GUP215 WITH 0302 'O' RING OR OWNER APPROVED EQUAL.

1 ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

FOR BID ONLY

3 POLE BASE DETAIL
NOT TO SCALE

