

**ISSUE/REVISION RECORD**

DATE	DESCRIPTION
01/25/19	PERMIT SET
03/16/20	REFRESH TO 2020 0113

**PROJECT NAME**

**HWY 316 @ 81**

**BETHLEHEM GA**

839 LOGANVILLE HIGHWAY

**RACETRAC STORE NUMBER**

**#1304**

PROTOTYPE SERIES 5.5K 2.0  
2020 LH MO 0405

**PLAN MODIFICATION NOTICE**

SPB NO. 015 DATE 02/10/20

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

**PROFESSIONAL SEAL**

PROJECT NUMBER  
201815114

**SHEET TITLE**

**ELECTRICAL SITE PLAN**

**SHEET NUMBER**

**E010**

LIGHT FIXTURE SCHEDULE									
SYMBOL	TYPE	DESCRIPTION	VOLTS	WATTS	LAMPS	MFR.	CATALOG #	MOUNTING	NOTES
	704	CANOPY LIGHTING	208V	66	LED	LSI	SCV-LED-10L-SC-UNV-DIM-50-WHT	RECESSED CANOPY	
	702/702S	POLE MOUNTED AREA LIGHTING	208V	247	LED	LSI	MRM-LED-30L-SIL-FT-UNV-DIM-50-70CRI-IL	POLE	1.2

MRM-LED-30L  
-SIL-FT-UNV-DIM  
-50-70CRI-IL

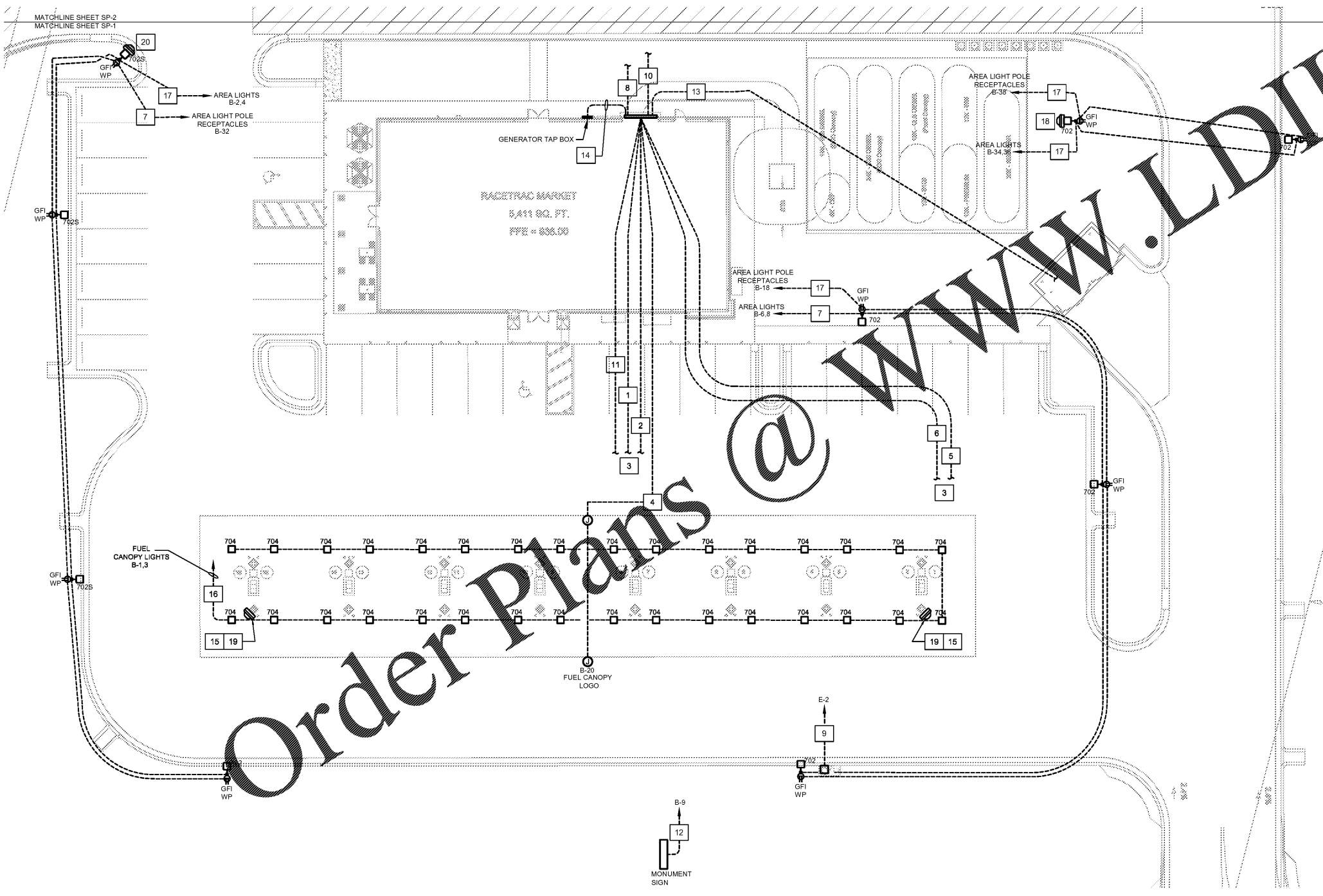
NOTES:  
1. POLE SHALL BE 28' TALL MANUFACTURED BY LSI LIGHTING CAT#SQN-S07G-25-N-BRZ-GA-SBG. COORDINATE MOUNTING REQUIREMENTS INCLUDING BASE PLATE, BASE COVER, FINISH AND TENON REQUIREMENTS WITH MANUFACTURER PRIOR TO ORDERING. REFER TO CIVIL DRAWINGS FOR BASE DETAIL.  
2. COORDINATE TENON REQUIREMENTS WITH MANUFACTURER PRIOR TO ORDERING

**GENERAL NOTES**

- ALL UNDERGROUND CONDUIT ORIGINATING IN A CLASSIFIED AREA SHALL BE PROVIDED WITH A SEAL FITTING WITHIN 18" OF EXISTING GRADE IN A NON-CLASSIFIED AREA UNLESS OTHERWISE COVERED BY NOTE #2
- VERTICAL SEAL FITTINGS AT EQUIPMENT SHALL BE PROVIDED WITH AUTOMATIC DRAINS LISTED FOR USE IN CLASS 1, DIVISION 1, GROUP D LOCATIONS. APPLIES TO ALL EQUIPMENT AND LIGHTING CIRCUITS UNDER CANOPY AND AT TANKS.
- REFER TO PANEL SCHEDULES FOR CIRCUITING INFORMATION.
- REFER TO LIGHTING SHEET E113 FOR ADDITIONAL SITE CONDUITS SERVING DECORATIVE POLE LIGHTS AROUND THE BUILDING.
- ROUTE ALL LARGE CONDUITS NOT SERVING LIGHTS OR EQUIPMENT AT CANOPY AROUND FUELING CANOPY.
- UNDERGROUND WIRING ROUTING TO FUEL AREA SHALL BE THREADED RIGID METAL CONDUIT AND COMPLY WITH NEC ARTICLE 514.8.
- CONDUIT WIRING TO LIGHT POLES NOT ROUTING THROUGH CLASSIFIED AREA SHALL BE SCHEDULE 40 PVC.
- ANY CONDUIT UNRELATED TO THE FUEL TANK FARM MUST ROUTE AROUND THE TANK PAD AREA UNRELATED CONDUITS ARE NOT PERMITTED IN THE TANK FARM AREA.
- CAMERAS:
  - LOW VOLTAGE WIRING MUST HAVE OWN CONDUIT.
  - CAMERA MUST HAVE CLEAR LINE OF SITE.
  - HEIGHT RECOMMENDATIONS: BETWEEN 10' AND 12'.
  - CAMERAS SHOWN ON POLES SHALL BE BOX TYPE.
- FUEL TANK:
  - NEED VISIBILITY OF GENERAL ACTIVITY AROUND FUEL DROP LOCATIONS. CONSIDER WHERE TRUCKS WILL BE PARKER WHILE DROPPING FUEL AND ENSURE THIS DOES NOT BLOCK THE VIEW OF THE CAMERA. RECOMMENDED MOUNTING HEIGHT FOR FUEL TANK CAMERA 14'-0".
- LOT & LOT ENTRIES:
  - NEED VISIBILITY OF ACTIVITY OCCURRING UNDER AND AROUND THE CANOPY THAT CANNOT BE CAPTURED BY EXTERIOR BUILDING MOUNTED CAMERAS.
  - NEED A CAMERA LOCATED AT THE ENTERANCE/EXIT OF LOT IN ORDER TO CAPTURE LICENSE PLATES IN THE EVENT OF AN INCIDENT (COULD POTENTIALLY BE ACHIEVED IN CONJUNCTION WITH ABOVE REQUIREMENT).

**KEYED NOTES**

- (8) 3/4" COMMUNICATION CONDUITS SERVING FUEL DISPENSERS. STUB OUT EACH CONDUIT WITHIN ITS DEDICATED DISPENSER SUMP. REFER TO BUILDING PLANS SHEET E110 FOR ADDITIONAL INFORMATION.
- (8) 3/4" POWER CONDUITS SERVING FUEL DISPENSERS. STUB OUT EACH CONDUIT WITHIN ITS DEDICATED DISPENSER SUMP. REFER TO BUILDING PLANS SHEET E110 FOR ADDITIONAL INFORMATION.
- REFER TO FUEL DISPENSER AND 'RT' TANK DRAWINGS FOR CIRCUITING INFORMATION AND DETAILS.
- (4) 3/4" CONDUITS FOR CANOPY. (3) FOR CANOPY LOGO SIGNS AND (1) SPARE. E.C. SHALL PROVIDE 2#10 & 1#10 GND. FOR EACH CIRCUIT.
- (1) 3/4" GALVANIZED RIGID CONDUIT FOR OVERFILL ALARM AND (4) 1" GALVANIZED RIGID CONDUIT FOR TANK MONITORING. COORDINATE STUB-OUT LOCATION FOR OVERFILL ALARM TANK MONITOR.
- (6) 1" GALVANIZED RIGID CONDUITS FOR SUBMERSIBLE TURBINE FUEL PUMP POWER.
- (1) 1" CONDUIT FOR SITE LIGHTING. E.C. SHALL PROVIDE 2#8 & 1#8 GND.
- (4) 4" CONDUITS FOR UTILITY TRANSFORMER FEED (AND ONE IS SPARE, 4"C). VERIFY FINAL LOCATION PRIOR TO TRENCHING. REFER TO SHEET E410 FOR WIRE SIZING INFORMATION.
- (1) 1" CONDUIT FOR AIR/VACUUM MACHINE. REFER TO SHEET E110 FOR WIRE SIZING INFORMATION.
- (2) 4" CONDUITS FOR COMMUNICATION AND CATV. VERIFY FINAL LOCATION PRIOR TO TRENCHING.
- (1) 1" CONDUIT FROM VEEDER ROOT TO PUMP DISPENSER.
- (2) 3/4" CONDUITS FOR PRICE/LOGO MONUMENT SIGN. CONTRACTOR TO RUN A DEDICATED NEUTRAL AND ISOLATED GROUND WITH EACH CIRCUIT TO THE PRICE SIGN. PRICE SIGN SHALL BE GROUNDED TO THE REBAR CASE AT THE FOOTING OF THE SIGN. E.C. SHALL PROVIDE 2#10, 1#10GND, & 1#10 ISO. GND.
- (2) 3/4" CONDUITS FOR DUMPSTER. (1) 3/4" CONDUIT FOR DUMPSTER LIGHTS AND RECEPTACLE. E.C. SHALL PROVIDE 2#10 & 1#10GND. (1) 3/4" CONDUIT FOR FUTURE EQUIPMENT. REFER TO SHEET E410 FOR WIRE SIZING INFORMATION.
- (2) SETS OF 3" CONDUITS FROM MDP BREAKER TO GENERATOR TAP BOX. REFER TO SHEET E410 FOR WIRE SIZING INFORMATION.
- SECURITY CAMERA. RUN BACK TO COMMUNICATION ROOM IN FUEL CANOPY INTERCOM SYSTEM RACEWAY. USE MANUFACTURER'S RECOMMENDED CABLING. COORDINATE FINAL LOCATION WITH RACETRAC CONSTRUCTION PROJECT MANAGER.
- (1) 1" CONDUITS FOR CANOPY LED DOWNLIGHTS. E.C. SHALL PROVIDE 2#8 & 1#8 GND.
- (1) 3/4" CONDUIT FOR AREA LIGHT POLE RECEPTACLES. E.C. SHALL PROVIDE 2#10 & 1#10 GND.
- FUEL CANOPY/TANK SECURITY CAMERA MOUNT CAMERA 14'-0" AFG ON LIGHT POLE. ROUTE CABLING PER MANUFACTURER'S RECOMMENDATIONS IN (1) 3/4" CONDUIT BACK TO COMMUNICATIONS ROOM. COORDINATE FINAL LOCATION/ORIENTATION WITH RT CONSTRUCTION PROJECT MANAGER.
- DRIVE CUT SECURITY CAMERA. RUN BACK TO COMMUNICATION ROOM USE MANUFACTURER'S RECOMMENDED CABLING. MOUNT CAMERA 11'-0" AFG ON CANOPY COLUMN AS SHOWN. COORDINATE FINAL LOCATION/ORIENTATION WITH RT CONSTRUCTION PROJECT MANAGER.
- DRIVE CUT SECURITY CAMERA MOUNT CAMERA 11'-0" AFG ON LIGHT POLE. ROUTE CABLING PER MANUFACTURER'S RECOMMENDATIONS IN (1) 3/4" CONDUIT BACK TO COMMUNICATIONS ROOM. COORDINATE FINAL LOCATION/ORIENTATION WITH RT CONSTRUCTION PROJECT MANAGER.



**1** ELECTRICAL SITE PLAN  
E010 SCALE: 1/16"=1'-0"