

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NUMBER: 30756  
EXPIRATION DATE: 06/28/2012

PROJECT TITLE

**TCC/SHORE  
TRANSIT BUS  
MAINTENANCE  
FACILITY - PHASE II**

31955 TRI-COUNTY WAY  
SALISBURY, MD. 21804

ISSUED  
FOR BIDDING

DATE: 01/05/12

SHEET TITLE

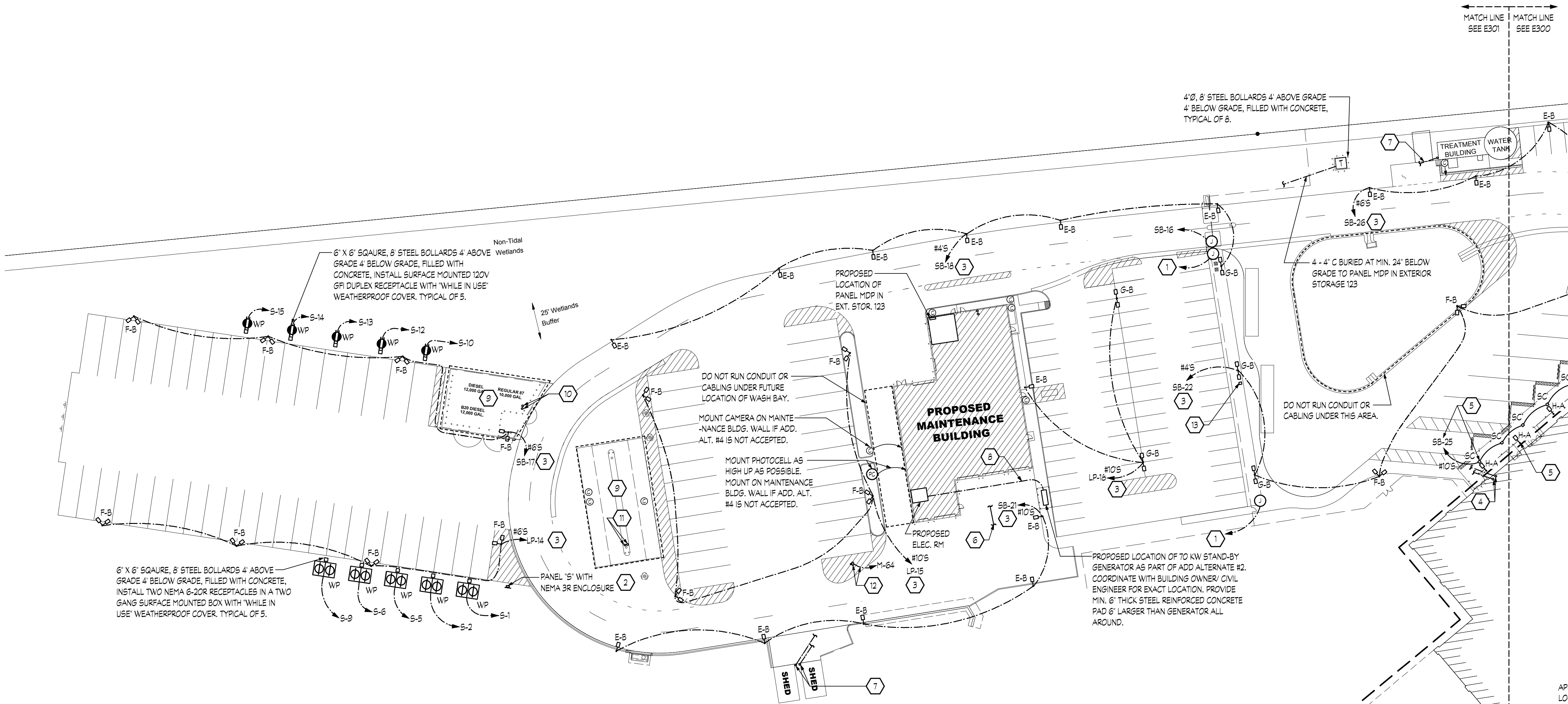
**ELECTRICAL SITE PLAN**

ISSUE BLOCK

Mark	Date	Description
△	12.21.2011	FIRE SPRINKLER ADDITION
△	11.4.2011	CODE REVIEW COMMENTS

Project Number	2009145.00
Date	01/05/12
Scale	1" = 40'
Drawn By	SM   Checked By AK

**E301**



**ELECTRICAL SITE PLAN**  
SCALE: 1" = 40' - 0"

- GENERAL NOTES:**
- DISCONNECT, REMOVE AND DISPOSE OF IN A LEGAL MANNER ALL EXISTING SITE LIGHTING. ABANDON ALL WIRE AND CABLES IN PLACE.
  - ALL UNDERGROUND CONDUIT ROUTING IS SHOWN DIAGRAMMATIC, THE CONTRACTOR MAY ROUTE CONDUIT TO BEST SUIT FIELD CONDITIONS.
  - SITE LIGHTING CIRCUIT WIRE SIZE INDICATED AT HOMERUNS. WIRE SIZES APPLY TO FULL LENGTH OF CIRCUIT.
  - ALL CONDUIT SHALL BE MINIMUM 24" BELOW GRADE. PROVIDE UNDERGROUND CONDUIT COORDINATION DRAWING SHOWING ACTUAL ROUTING AND BURIAL DEPTH COORDINATED WITH ALL OTHER EXISTING AND NEW UNDERGROUND PIPES AND CONDUIT BEFORE STARTING EXCAVATION OF CONDUIT RUNS.
  - REFER TO SHEET E302 FOR SITE LIGHTING FIXTURE SCHEDULE AND CONTROL DIAGRAMS.

- DRAWING NOTES:**
- FURNISH AND INSTALL AN IN GROUND WATER TIGHT J/B WITH 1" CONDUIT AND PULLCORD BACK TO FARE DROP COLLECT 19A IN MAINTENANCE BUILDING FOR SECURITY BY OTHERS.
  - MOUNT PANEL 'S' ON 3/4" EXTERIOR GRADE PLYWOOD ON PRESSURE TREATED 4" X 4" POSTS, PAINTED BLACK.
  - CIRCUIT CONTROLLED BY LIGHTING CONTRACTOR SEE DWG. E302 FOR LIGHTING CONTROL DIAGRAM.
  - FURNISH AND INSTALL (2) - 3" CONDUITS FED FROM FARE DROP COLLECT 19A IN MAINTENANCE BLDG. TO CONDUIT STUB OUT LOCATIONS AT OFFICE BUILDINGS. PROVIDE PULLCORDS AND INNERDUCT FOR THREE FIBEROPTIC TRUNK LINES, PULLCORD FOR 25 PAR COMMUNICATIONS CABLE AND THREE (3) SPARE PULLCORDS FOR FUTURE WORK IN ONE OF THE CONDUITS AND LEAVE OTHER CONDUIT AS A SPARE WITH PULLCORD. SEE E301.
  - AS PART OF ADD ALTERNATE #7 FURNISH AND INSTALL (7) - TYPE 'SC' FIXTURES MOUNTED UNDER FREESTANDING CANOPY AND A 12-20A C/B IN PANEL SB AS INDICATED ON DRAWINGS. IF ADD ALTERNATE #7 IS NOT ACCEPTED FURNISH AND INSTALL (5) - TYPE 'HAT' POLE FIXTURE AND A 22-20A C/B IN PANEL SB AS INDICATED ON THE DRAWINGS AND WIRE TO CIRCUIT PROVIDED FOR CANOPY LIGHTING.
  - PROVIDE 2" NATURAL GAS SERVICE TO STAND-BY GENERATOR AS PART OF ADD. ALT. #2. REFER TO CIVIL DRAWINGS FOR CONTINUATION AND LOCATION OF GAS SERVICE. GAS METER REGULATOR AT GENERATOR TO BE PROVIDED BY UTILITY PROVIDER. GAS LOAD = 1,020 MBH @ 150' MAX EQUIVALENT LENGTH. GAS PIPE SIZING BASED ON 2006 IFGC TABLE 402.4(2) NATURAL GAS SERVICE WITH SCHEDULE 40 METALLIC PIPE WITH INLET PRESSURE OF LESS THAN 2.0 PSI WITH A PRESSURE DROP OF 0.5 IN. W.C. AND A SPECIFIC GRAVITY OF 0.60.
  - FURNISH AND INSTALL A 1" CONDUIT STUBBED UP AND CAPPED 6" ABOVE GRADE WITH PULLCORD FROM EXTERIOR STORAGE 123. SEE DWG. E201. COORDINATE WITH OWNER FOR EXACT STUB-UP LOCATION.
  - FURNISH AND INSTALL 1 - 2" C AND 2 - 1" C TO AUTOMATIC TRANSFER SWITCH FOR POWER AND CONTROL. 2 - 3/4" C FOR POWER TO GENERATOR HEATER (CKT. #SB-7) AND BATTERY CHARGER (CKT. #SB-8), PART OF ALTERNATE #2.
  - NOT IN CONTRACT SEE FUEL EQUIPMENT CONTRACTOR DRAWINGS.
  - FURNISH AND INSTALL (8) - 1" CONDUITS FROM MECHANICAL 107 TO PROPOSED CONDUIT STUB UP LOCATION AS PART OF BASE BID. COORDINATE EXACT LOCATION WITH FUEL EQUIPMENT CONTRACTOR.
  - FURNISH AND INSTALL (2) - 1" CONDUITS FROM EACH DISPENSER (TYPICAL OF 3) TO THE CARD READER PEDESTAL COORDINATE EXACT LOCATIONS WITH FUEL EQUIPMENT CONTRACTOR AND THREE (3) SECURITY CAMERAS AS INDICATED ON THE PLANS AS PART OF ALTERNATE #5. FURNISH AND INSTALL (12) - 1" CONDUITS FROM MECHANICAL 107 TO STUB UP LOCATION AT FUEL ISLAND AS PART OF THE BASE BID FOR FUEL EQUIPMENT. COORDINATE EXACT STUB UP LOCATION WITH FUEL EQUIPMENT CONTRACTOR. FURNISH AND INSTALL (1) - 1" CONDUIT FROM FARE DROP COLLECT 19A TO SAME STUB UP LOCATION AS FUEL EQUIPMENT CONDUITS IN BASE BID. MARK CONDUIT AS FUTURE SPARE FOR SECURITY CAMERAS.
  - MOTORIZED VALVE CONTROL PANEL (BY OTHERS). FURNISH AND INSTALL 2 #12 + #12 G, #3/4" C TO PANEL M IN ELECTRIC ROOM.
  - FURNISH AND INSTALL ACCESSIBLE QUARTZITE SITE PULL BOX IN ISLAND. ROUTE THE (2) - 3" CONDUITS BEING FED FROM FARE DROP COLLECT 19A IN MAINTENANCE BUILDING THROUGH THE PULLBOX AND CONTINUE CONDUIT RUNS TO OFFICE BUILDING STUB OUT LOCATION.

DRAWINGS E100, E101, E300, E301, E302 ARE PART OF 2 BID PACKAGES/PROJECTS. THOSE PROJECTS ARE THE "TCC/SHORE TRANSIT MAINTENANCE FACILITY" FUNDED BY MTA AND THE "CAREER CENTER SITE IMPROVEMENTS PROJECT" FUNDED BY EDA & USDA. CONTRACTOR SHALL REFER TO MATCH LINES AND NOTES FOR APPLICABLE SCOPE. REMAINING INFORMATION IS FOR REFERENCE.

