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TRANSMITTAL COVER SHEET

DATE: DECEMBER 4, 2024
TO: ALL PLAN HOLDERS
FROM: PATSY STINSON
PROJECT: MONTGOMERY REGIONAL AIRPORT
MONTGOMERY, ALABAMA
AIRFIELD ELECTRICAL REPLACEMENT - PHASE II
GMC PROJECT NO.: TMGM210029(R)
RE: ADDENDUM #2

PLEASE COMPLETE BELOW AND RETURN IMMEDIATELY VIA EMAIL to:

PATSY STINSON
Email: patsy.stinson@gmcnetwork.com

I, the undersigned, hereby acknowledge receipt of this Addendum #1.

Authorized Representative

Date

Company Name

ADDENDUM NUMBER 2

MONTGOMERY REGIONAL AIRPORT MONTGOMERY, ALABAMA AIRFIELD ELECTRICAL REPLACEMENT - PHASE II GMC PROJECT NO.: TMGM210029(R)

I. General

- A. The following clarifications, revisions, additions are hereby made a part of same, and shall be incorporated in the Project Manual, Drawings, and Work of the Contract the same as if originally included in the Bid and Construction Documents.
- B. Bidders shall acknowledge receipt of this Addendum in writing, as provided on the Transmittal Cover Sheet and the Proposal Form.
- C. When a revision and/or addition is called for to the Drawings or Project Manual, they shall be fully coordinated with and carried through all applicable Drawings and portions of the Project Manual, including in part, all related Civil, Landscaping, Architectural, Structural, Electrical, and other Documents.

II. Revisions to Plans

- A. See revised sheet E21 – Airfield Electrical Vault – Electrical Plan
- B. See revised sheet E33 – Typical Standby Generator System Ancillary Connections

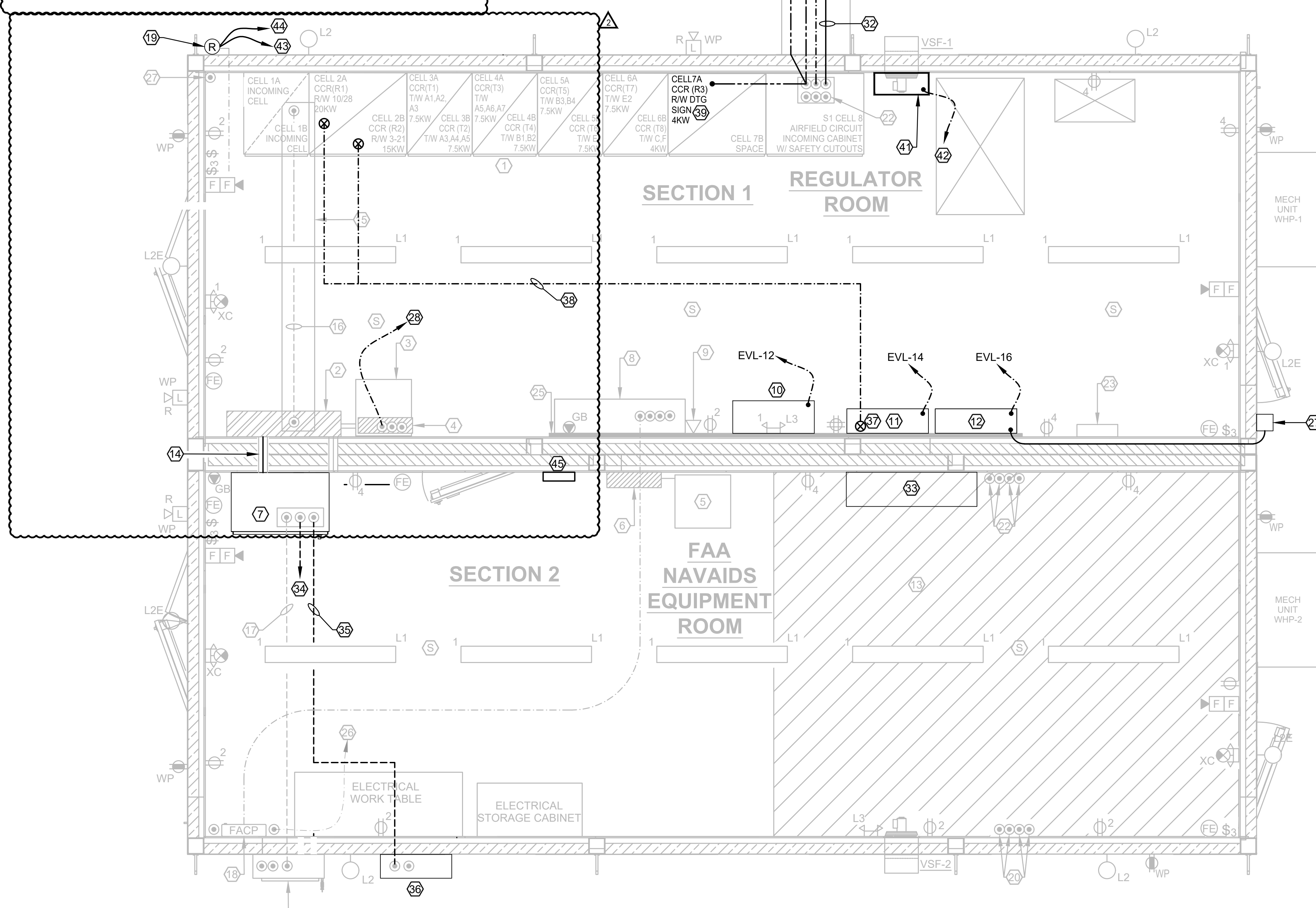
III. Conclusion

- A. This is the end of Addendum Number 2.

KEYED NOTES (#):

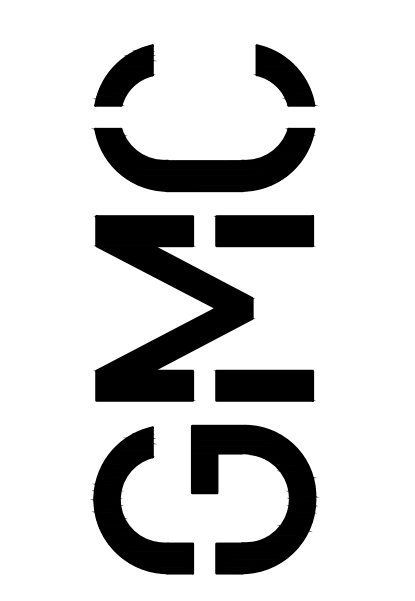
1. AIRFIELD LIGHTING SWITCHGEAR (S1) REGULATOR ASSEMBLY. EIGHT(8) TOTAL VERTICAL SECTIONS WITH TEN (10) TOTAL REGULATORS FOR AIRFIELD LIGHTING SYSTEM. (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
2. MAIN DISTRIBUTION PANEL 'EVH' 480/277V, 400A, 3Ø, 4W (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
3. TRANSFORMER 'T-EVL'. (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
4. PANEL 'EVL' 208/120V, 225A, 3Ø, 4W. (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
5. TRANSFORMER 'T-EVL2'. (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
6. PANEL 'EVL2' 208/120V, 225A. (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
7. NEW 400A, 4P, ATS IN NEMA 4 ENCLOSURE. (ASCO 7000 SERIES J-FRAME OR APPROVED EQUAL) CONTRACTOR TO FURNISH AND INSTALL IN PHASE II (PROVIDE IN THIS CONTRACT). CONTRACTOR TO COORDINATE WITH GENERATOR & ATS MANUFACTURER SHOP DRAWINGS & WIRING DIAGRAMS)
8. TELECOM / FIBER CABINET FOR AIRFIELD LIGHTING CONTROL MONITORING SYSTEM (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
9. DATA OUTLET WITH 4-CAT 6 CABLES AND RJ45 JACKS TERMINATED IN TELECOM CABINET (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
10. AIRFIELD LIGHTING CONTROL MONITORING SYSTEM (ALCMS). 30"Wx30"Hx12"D WALL MOUNTED ENCLOSURE. CONTRACTOR TO FURNISH AND INSTALL IN PHASE II (PROVIDE IN THIS CONTRACT).
11. EXISTING OWNER EQUIPMENT RUNWAY LIGHT INTENSITY MONITOR RELOCATED FROM EXISTING VAULT AFTER CONSTRUCTION OF NEW AF ELECTRICAL WORK IS COMPLETED AND FULLY OPERATIONAL. COORDINATE WITH FAA / OWNER.
12. NEW L-854 RADIO CONTROLLER. CONTRACTOR TO FURNISH AND INSTALL IN PHASE II (PROVIDE IN THIS CONTRACT).
13. HATCHED AREA INDICATES SPACE ALLOCATED FOR FAA NAVAIDS EQUIPMENT.
14. 4" CONDUIT FOR PANEL 'EVH' FEEDERS (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
15. IN FLOOR RACEWAY / DUCT FOR INCOMING SWITCHGEAR AC POWER. (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
16. SWITCHGEAR 'S1' INCOMING FEEDER IN FLOOR DUCT. (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
17. ATS NORMAL POWER INCOMING FEEDERS FROM SERVICE DISCONNECT SWITCH. ROUTED UNDER CONCRETE SLAB. (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
18. ADDRESSABLE FIRE ALARM CONTROL PANEL (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
19. GENERATOR AND VENTILATION FANS STATUS LIGHT (EQUIPMENT AND INFRASTRUCTURE FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT). POWER AND CONTROL WIRING TO BE INSTALLED IN PHASE II PROJECT (PROVIDE IN THIS CONTRACT).
20. FOUR (4) 4" EC STUBBED UP CONDUITS (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
21. FOUR (4) 2" EC STUBBED UP CONDUITS (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
22. AIRFIELD CABLE CONDUITS. SIX (6) 5" EC (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
23. FIRE ALARM JUNCTION / TERMINATION BOX. (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
24. 400A, 600V HEAVY DUTY DISCONNECT SWITCH FUSED (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
25. 'TBB' (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
26. 1" EC STUBBED OUT FOR FIRE ALARM MONITORING (FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
27. RADIO CONTROLLER ANTENNA SYSTEM. CONTRACTOR TO FURNISH AND INSTALL IN PHASE II (PROVIDE IN THIS CONTRACT).
28. ROUTE 2#12, 1#12(G) - 2" TO AIRFIELD WIND CONE. CONTRACTOR TO UTILIZE ONE (1) 2" STUBBED OUT UNDERGROUND PAST CONCRETE SLAB FOR WIND CONE CIRCUIT. (CONDUIT FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
29. 6 WAY - 5" DUCT BANK FURNISHED AND INSTALLED IN PHASE I PROJECT, NOT IN THIS CONTRACT).
30. RUNWAY 10/28 (R1) LIGHTING CIRCUIT. (CONNECT TO SWITCHGEAR (S1) AS PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR TO FURNISH AND INSTALL IN PHASE II (PROVIDE IN THIS CONTRACT).
31. RUNWAY 3/21 (R2) LIGHTING CIRCUIT. (CONNECT TO SWITCHGEAR (S1) AS PER MANUFACTURER'S REQUIREMENTS). CONTRACTOR TO FURNISH AND INSTALL IN PHASE II (PROVIDE IN THIS CONTRACT).
32. TAXIWAY (T1-T8) LIGHTING CIRCUITS. (CONNECT TO SWITCHGEAR (S1) AS PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR TO FURNISH AND INSTALL IN PHASE II (PROVIDE IN THIS CONTRACT).
33. TELECOM/FIBER CABINET FOR FUTURE COMMUNICATIONS, HOFFMAN ENCLOSURE NEMA 4 (20"Hx20"Wx8"D) OR APPROVED EQUAL. MATCH THE CABINET FURNISHED AND INSTALLED IN PHASE I (PROVIDE IN THIS CONTRACT). VERIFY FINAL LOCATION WITH OWNER PRIOR TO INSTALL.
34. ATS CONTROL FEEDERS FROM GENERATOR. SEE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
35. ATS EMERGENCY POWER FEEDERS FROM GENERATOR DOCKING STATION. 2 RUNS OF #3/0, 1#2(G) - 2" (CONDUIT FURNISHED AND INSTALLED IN PHASE I PROJECT, NITC).
36. LOCATION OF GENERATOR DOCKING STATION.

37. TWO (2) 1" EC (EMT) STUBBED DOWN ON TBB FOR RLIM.
38. ROUTE 1" EC (EMT) TO EACH RUNWAY (R1) & (R2) CIRCUITS IN SWITCHGEAR REGULATOR SYSTEM. TOTAL OF TWO (2) CONDUITS. COORDINATE WITH OWNER.
39. NEW 4KW POWERPACK REGULATOR IN SPACE 7A OF REGULATOR SWITCHGEAR 'S1' (FURNISHED AND INSTALLED IN PHASE I PROJECT). REGULATOR POWERPACK MUST BE COMPATIBLE WITH ADB SAFEGATE SGRS SYSTEM FURNISHED IN PHASE I PROJECT.
40. RUNWAY 10/28 (R3) DTG SIGN CIRCUIT. (CONNECT TO SWITCHGEAR (S1) AS PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR TO FURNISH AND INSTALL IN PHASE II (PROVIDE IN THIS CONTRACT).
41. SGRS COMMUNICATION ENCLOSURE (20"Wx20"Hx8"D) - ROUTE SHIELDED CAT6 CABLE TO EACH ACE3 UNIT IN 'S1' SWITCHGEAR (PROVIDED IN PHASE I - NOT IN THIS PROJECT). PROVIDE 24VDC POWER FROM UPS IN ENCLOSURE TO EACH ACE3 UNIT AS PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR TO ROUTE CABLING OVER S1 CUTOUT BAY AND ENTER THRU THE TOP OF CELL 7 BAY IN SWITCHGEAR. ALL EQUIPMENT AND WIRING SHALL BE COMPATIBLE WITH ADB SAFEGATE SWITCHGEAR AND EQUIPMENT PROVIDED IN PHASE I PROJECT.
42. ROUTE 2#12, 1#12(G) - 1" TO PANEL 'EVL' (PROVIDED IN PHASE I PROJECT). CONTRACTOR TO UTILIZE EXISTING 20A/1P SPARE BREAKER IN PANEL 'EVL'.
43. ROUTE TO GENERATOR AND VSF VENTILATION FANS THROUGH RELAYS AS REQUIRED FOR STATUS LIGHT TO BE OPERATIONAL WHEN GENERATOR AND VENTILATION FANS ARE OPERATING.
44. ROUTE 2#12, 1#12(G) TO PANEL 'EVL' (PROVIDED IN PHASE I PROJECT). CONTRACTOR TO UTILIZE EXISTING 20A/1P SPARE BREAKER IN PANEL 'EVL2'.
45. LOCATION OF GENERATOR ANNUNCIATOR PANEL - EXTEND STUB UP CONDUIT (PROVIDED IN PHASE I PROJECT, NOT IN THIS CONTRACT) TO ANNUNCIATOR PANEL AS REQUIRED.



1
E21
AIRFIELD ELECTRICAL VAULT - ELECTRICAL PLAN
 SCALE: 1/2"=1'-0"

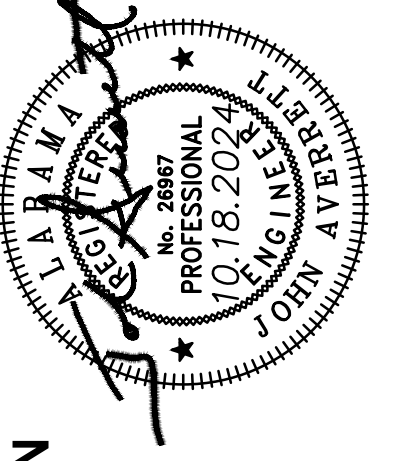
GENERAL NOTE:
 1. GRAY COLOR INDICATES ITEMS FURNISHED AND INSTALLED IN PHASE I PROJECT (NOT IN THIS CONTRACT).
 BOLD INDICATES ITEMS TO BE FURNISHED AND INSTALLED IN PHASE II PROJECT (IN THIS CONTRACT).



2660 East Chase Lane, Suite 200
 Montgomery, AL 36117
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ISSUE	DATE
BID SET	10/18/2024
ADDENDUM #2	12/4/2024
DESIGNED BY:	JIDZ
DRAWN BY:	JIRA/JDZ
CHECKED BY:	JEA

MONTGOMERY REGIONAL AIRPORT AIRFIELD ELECTRICAL REPLACEMENT - PHASE II (AIRFIELD)
GMC # TMGM210029
SCALE: 1/2"=1'-0"

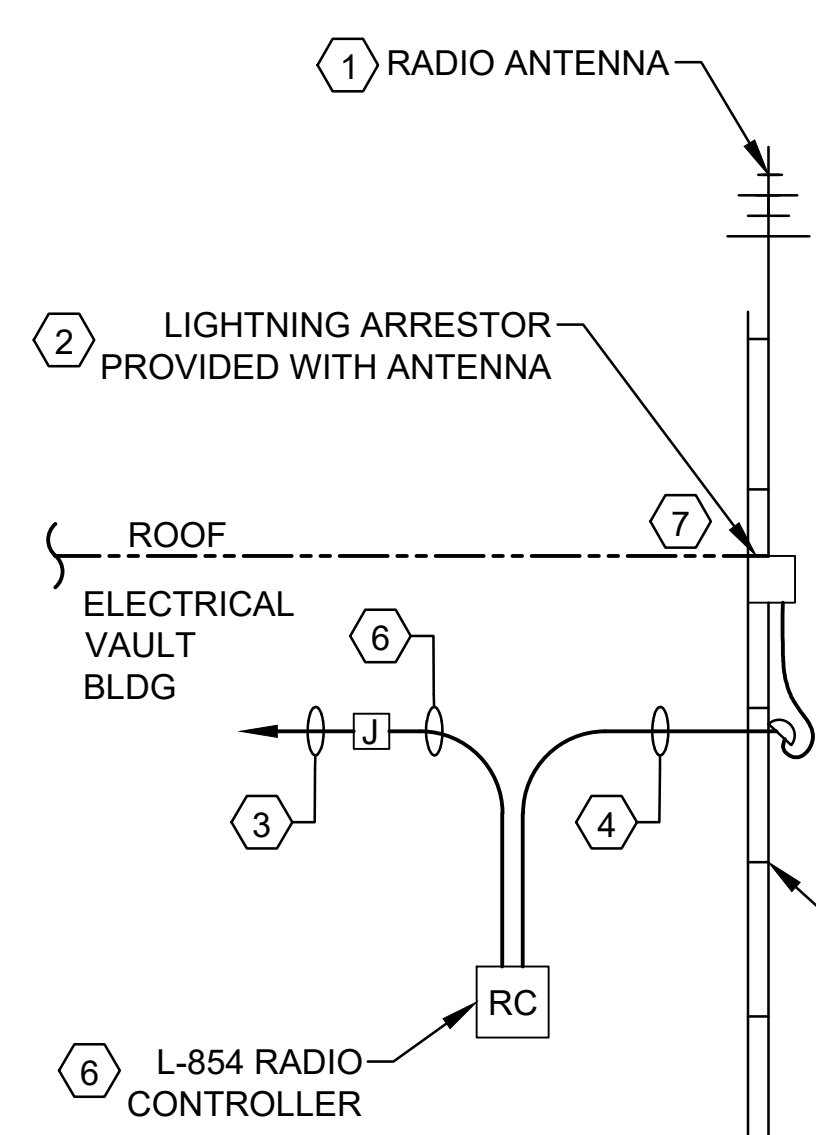


AIRFIELD ELECTRICAL VAULT ELECTRICAL PLAN

E21

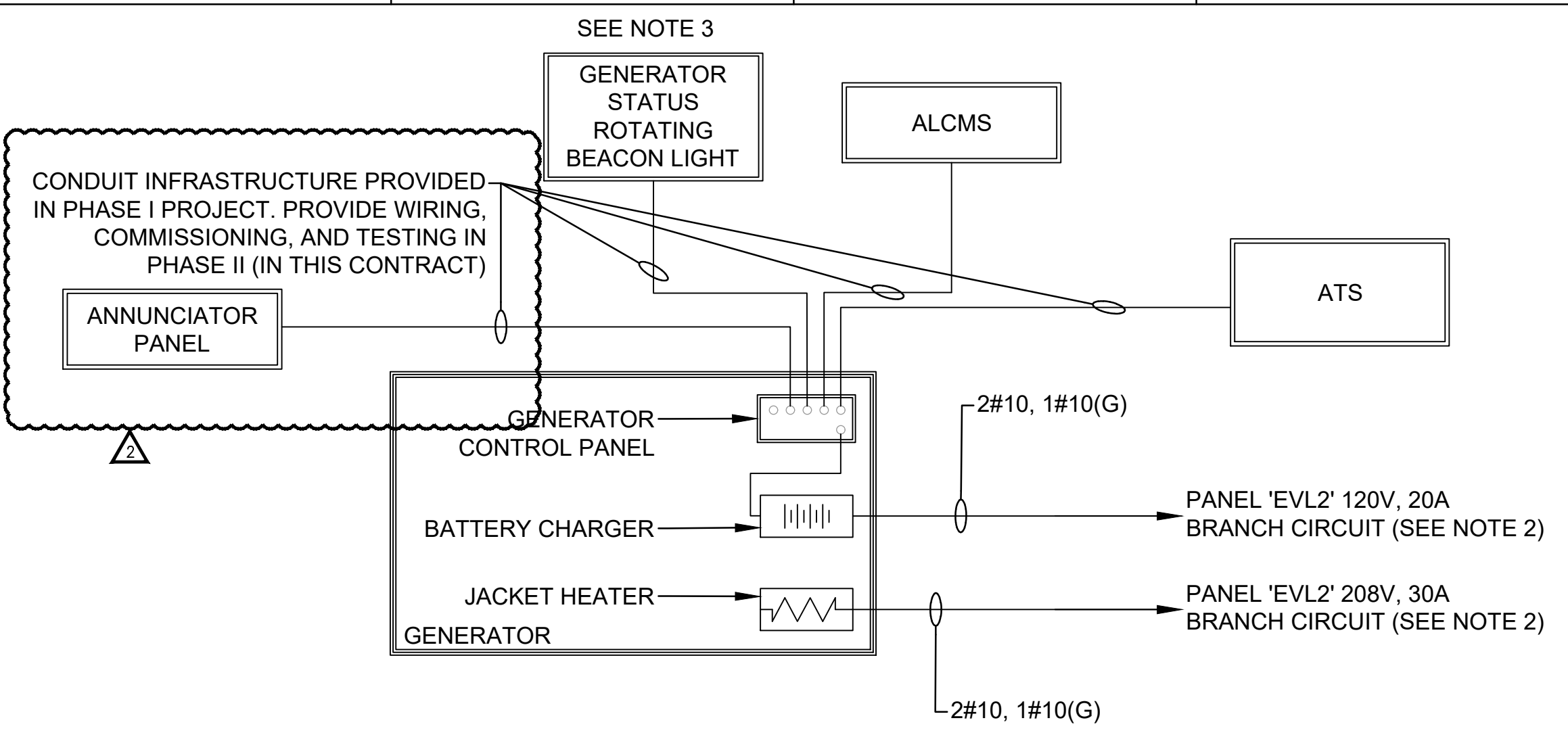
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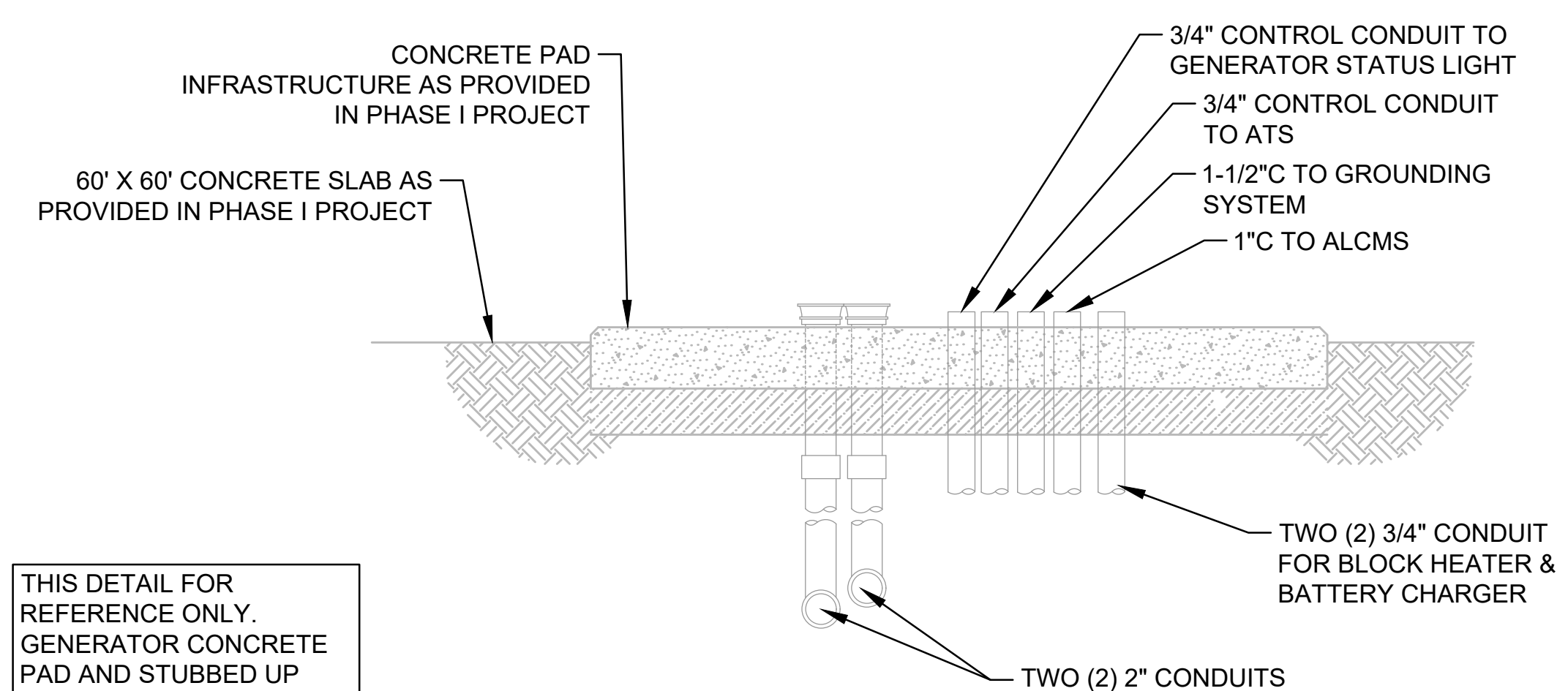
- NOTES: (#)**
1. ATTACH ANTENNA TO RIGID STEEL CONDUIT USING STAINLESS STEEL U-BOLTS.
 2. CONNECT TO LIGHTNING PROTECTION SYSTEM ON ROOF AS REQUIRED.
 3. ROUTE TO ALCMS AS REQUIRED.
 4. ANTENNA COAX CABLE. PROVIDE 1" PVC SLEEVE AND WEATHERHEAD AS INDICATED FOR ROUTING COAX CABLE TO ANTENNA. PROVIDE INSULATING BUSHING ON CONDUIT INSIDE VAULT BUILDING. MAINTAIN A 6" SEPARATION BETWEEN RADIO ANTENNA COAX CABLE AND OTHER SYSTEM / PIPING / CONDUITS.
 5. ANTENNA MUST BE SUPPORTED WITH SUPPORTS ATTACHED TO BUILDING STRUCTURE.
 6. THE RADIO CONTROLLER SHALL BE AN L-854 TYPE I (AIR TO GROUND) RADIO CONTROLLER WITH REMOTE ANTENNA AND RELAYS FOR INTERFACING WITH THE TEN (10) 3-STEP CCR'S. THE RADIO CONTROLLER SHALL OPERATE ON THE AIRPORTS FREQUENCY. THE CONTROLLER SHALL BE SET UP TO ALLOW THE PILOTS TO ACTIVATE THE INTENSITY LEVELS (10%, 30%, 100%) ON ALL CCR'S AT 24/7 OPERATION.
 7. ANY PENETRATIONS THROUGH ELECTRICAL VAULT BUILDING (PROVIDED IN PHASE I PROJECT) TO BE PATCHED AND SEALED WITH WEATHERTIGHT SEALANT TO MATCH RATING OF WALL/ROOF ON VAULT BUILDING.

1
E33
RADIO CONTROLLER CONTROL RISER DIAGRAM
DIAGRAMMATIC



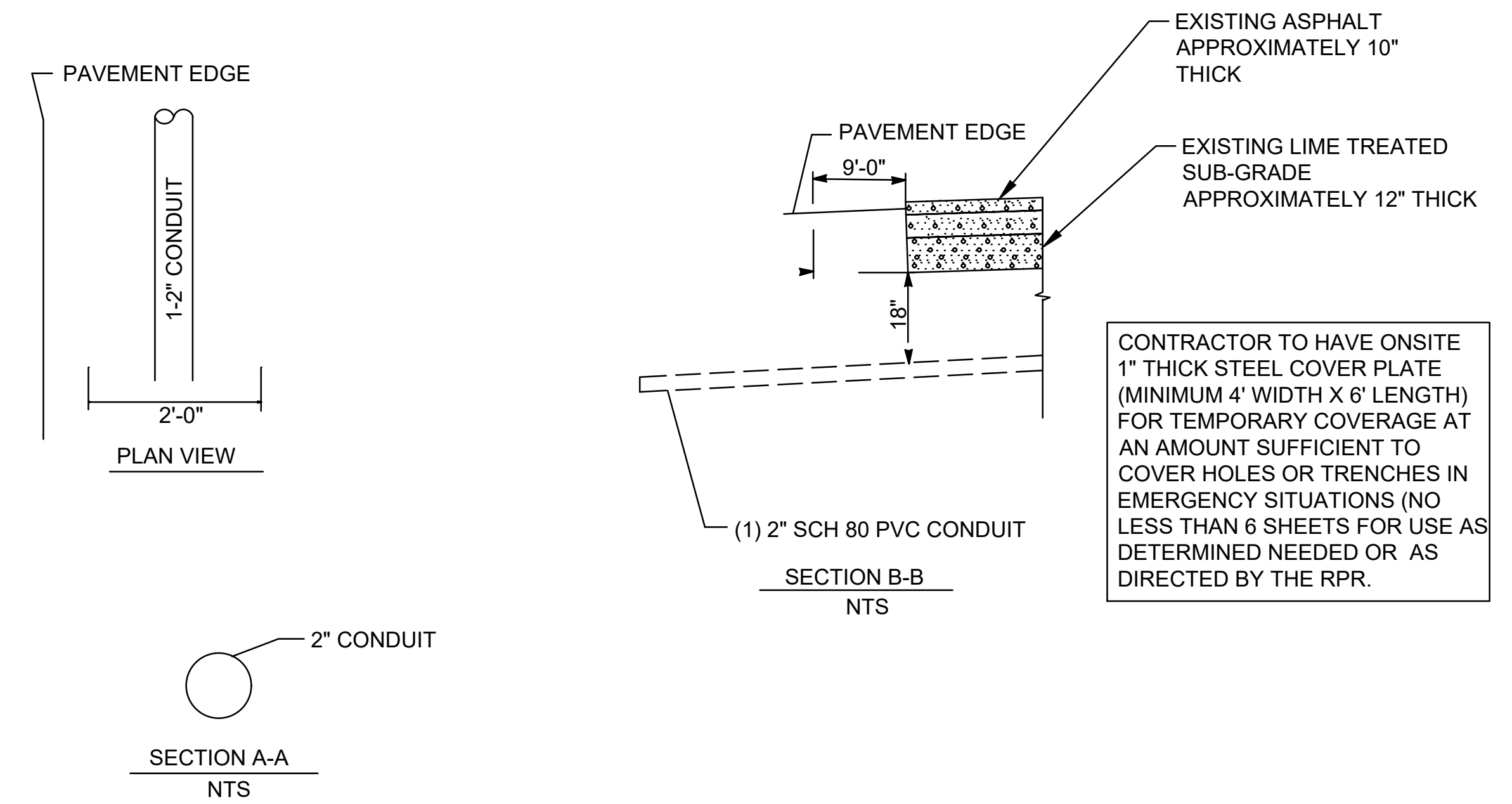
2
E33
TYPICAL STANDBY GENERATOR SYSTEM ANCILLARY CONNECTIONS
NOT TO SCALE

- NOTES:**
1. ALL CONDUIT ENTERING AND EXITING THE GENERATOR SHALL HAVE CONDUIT SEAL OFFS.
 2. CONTRACTOR TO COORDINATE WITH GENERATOR MANUFACTURER SUBMITTALS AND SHOP DRAWINGS FOR EXACT POWER REQUIREMENTS FOR BLOCK HEATER AND BATTERY CHARGER. IF ANY REVISIONS ARE NEEDED, CONTRACTOR TO SEND TO ENGINEER FOR APPROVAL. PANEL EVL2 (FURNISHED AND INSTALLED IN PHASE I PROJECT) (NOT IN THIS CONTRACT). CONTRACTOR TO PROVIDE WIRING, COMMISSIONING, AND TESTING IN PHASE II PROJECT, (IN THIS CONTRACT).
 3. LIGHT AND CONDUIT INFRASTRUCTURE FURNISHED AND INSTALLED IN PHASE I PROJECT (NOT IN THIS CONTRACT). WIRING, TESTING, AND COMMISSIONING TO BE PROVIDED IN PHASE II PROJECT, (IN THIS CONTRACT).



THIS DETAIL FOR REFERENCE ONLY. GENERATOR CONCRETE PAD AND STUBBED UP CONDUITS FURNISHED AND INSTALLED IN PHASE I PROJECT (NOT IN THIS CONTRACT).

3
E33
GENERATOR PAD DETAIL
DIAGRAMMATIC



4
E33
1WAY-2" C UNDERGROUND ELECTRICAL DIRECTIONAL BORE
NOT TO SCALE

GMC

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DRAWN BY: JIRA/JDZ
CHECKED BY: JEA

MONTGOMERY REGIONAL AIRPORT AIRFIELD ELECTRICAL REPLACEMENT - PHASE II (AIRFIELD)
GMC # TMGM210029
SCALE: NOT TO SCALE

E33
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