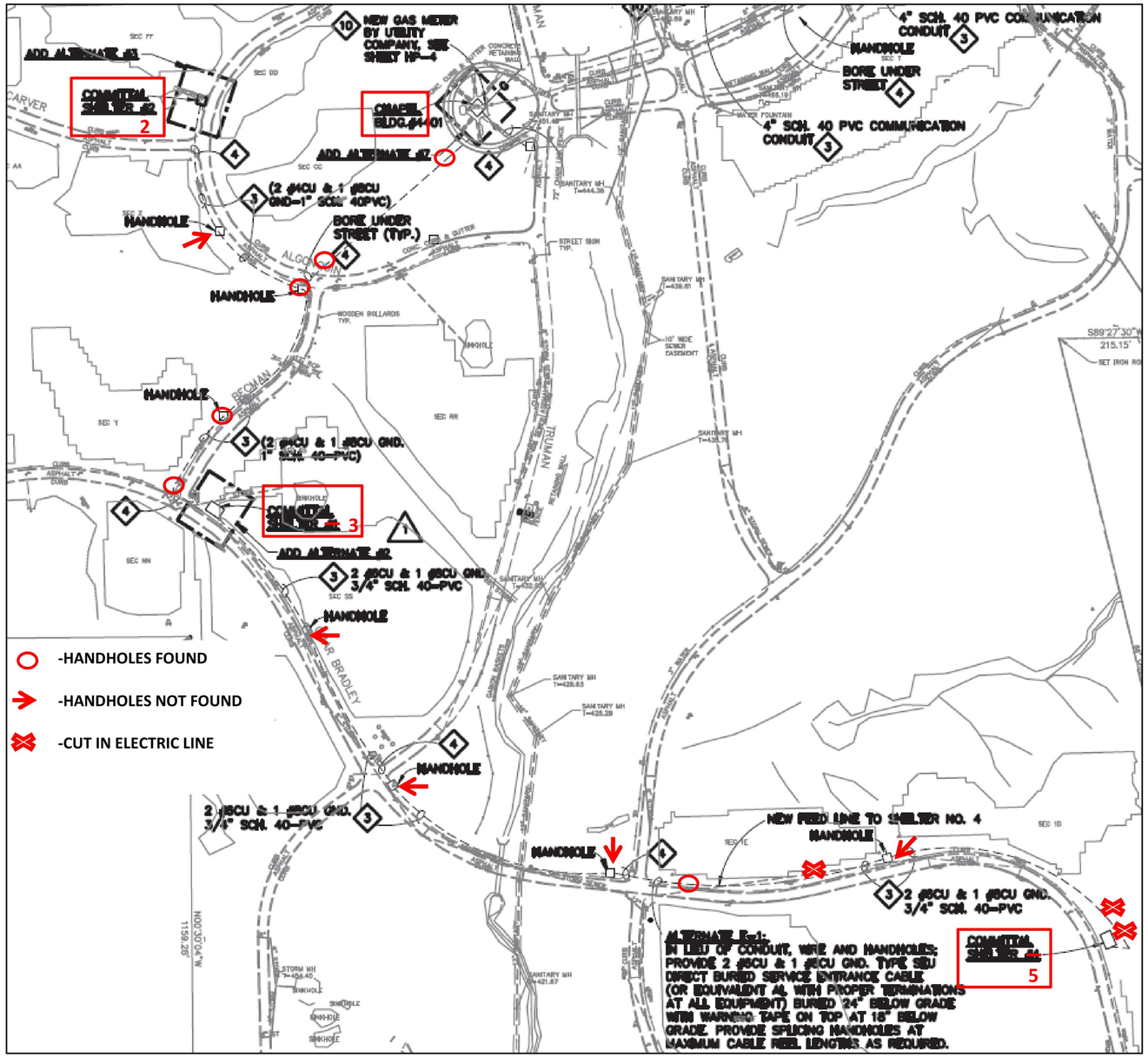


AS-BUILT ELECTRIC PLAN - ENLARGED PROJECT AREA

NOT TO SCALE

NOTES:

1. ELECTRIC POWER IS NOT PRESENT AT THE THREE SHELTERS (2, 3 & 5). ELECTRIC POWER IS PRESENT AND IS LEAVING THE MAIN FEED IN THE CHAPEL. THE HANDHOLES THAT WERE LOCATED CONTAIN AGED AND CORRODED SPLICES. WATER IS PRESENT IN THE HANDHOLES AS WELL AS INSIDE THE CHAPEL ELECTRIC CLOSET (LOW AREA). THE ATTACHED AS-BUILT PLANS SHOW ADDITIONAL HANDHOLES THAT WE WERE UNABLE TO LOCATE. CUTS/BREAKS IN THE LINE ARE PRESENT ALONG THE STRETCH OF DIRECT BURY CABLE TO SHELTER 5. THE AS-BUILT PLANS SHOW THE SIZE OF COPPER LINE AND CONDUIT TO EACH SHELTER. DIRECT BURY ALUMINUM CABLE IS PRESENT FROM THE LAST HANDHOLE TO SHELTER 5. THE ELECTRIC SERVICE CABLES BETWEEN THE BUILDINGS CARRY 480 VOLTS WITH A STEP DOWN TRANSFORMER IN THE SHELTERS.

2. EACH SPLICE (NEW & EXISTING) IN THE HANDHOLES WILL NEED TO BE CONVERTED TO WATER TIGHT COMPRESSION SPLICES, I.E. THOMAS & BETTS OR EQUIVALENT COMPRESSION SPLICES. THE HANDHOLES MAY CONTAIN MORE THAN ONE SET (3) OF SPLICES AND IT WILL BE THE CONTRACTORS RESPONSIBILITY TO ACCOUNT FOR THIS (INCIDENTAL). THE NUMBER OF HANDHOLES LOCATED (6), NOT LOCATED (5) AND NEW (4) AT THE BREAKS IN THE LINE, TOTALS TO 15 HANDHOLES.

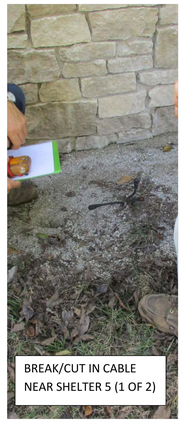
3. THE WATER IN THE CONDUIT BETWEEN EACH HANDHOLE WILL NEED TO BE BLOWN OUT. EACH END OF THE CONDUIT AT EACH HANDHOLE WILL NEED TO BE SEALED FROM ALLOWING WATER TO FLOW BETWEEN HANDHOLES.

4. LOCATE AND UNCOVER THE EXISTING (UNLOCATED) HANDHOLES MISTAKENLY BURIED OVER TIME, LOCATE/TRACE UNDERGROUND ELECTRIC CABLES BETWEEN THE BUILDINGS (MARK WITH FLAGS), TEST (TROUBLE SHOOT) BETWEEN ALL TERMINATION POINTS (HANDHOLES AND ELECTRIC PANELS) TO VERIFY INTEGRITY OF UNDERGROUND CABLE BY TESTING CONTINUITY, RESISTANCE AND VOLTAGE LOSS. IF ANY EXISTING CABLE IS DEEMED TO BE FAULTY DURING THIS TROUBLE SHOOTING PHASE, THE COR WILL NEED TO BE NOTIFIED ASAP. REPAIR TO THE FAULTY CABLE, NOT ALREADY IDENTIFIED IN THESE PLANS, IS NOT INCLUDED IN THIS PROJECT AND WILL NEED TO BE PRICED OUT SEPARATELY.

5. THE THREE BREAKS IN THE CABLE SHOWN ON THE PLAN WILL REQUIRE REPAIR. THIS PROJECT ASSUMES THAT 4 NEW HANDHOLES WILL BE NEEDED WITH UNDERGROUND CABLE IN CONDUIT CONNECTING BETWEEN THE NEW HANDHOLES. THE TWO BREAKS NEAR SHELTER 5 ARE EXPOSED ON THE SURFACE CAUSED BY THE CONSTRUCTION OF A NEW WALL. THE OTHER BREAK LOCATION IS UNKNOWN AND WILL NEED TO BE LOCATED, ASSUMED TO BE SOMEWHERE BETWEEN THE LAST HANDHOLE AND SHELTER 5.

6. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (NEC).

EXISTING HANDHOLE (TYP)



BREAK/CUT IN CABLE NEAR SHELTER 5 (1 OF 2)

BREAK/CUT IN CABLE NEAR SHELTER 5 (2 OF 2)

FINAL FOR CONSTRUCTION

Revisions	Date

one inch = one hundred feet (0, 100, 200; 10)

NATIONAL CEMETERY ADMINISTRATION

Drawing Title: **AS-BUILT PLAN - ENLARGED PROJECT AREA**	Project Title: **REPAIR ELECTRICAL SERVICE TO SHELTERS 2, 3 & 5**		Date: **10/18/2016**
Approved: Division Chief	Building Number: -----	Checked	Drawn: **RNE**
Approved: Service Director	Location: **JEFFERSON BARRACKS NATIONAL CEMETERY**		Project No.: **852-17-103**

DRAWING NO. **L-2** Dwg. **1** Of **3**