



STEP 1 - PRE-CONSTRUCTION/MOBILIZATION

1. PROVIDE DETAILED CONSTRUCTION PLAN AND SCHEDULE
2. PRE-CONSTRUCTION MEETING
3. SET CONSTRUCTION TRAILER
4. TEMPORARY UTILITY SERVICES
5. SITE INSPECTION AND FINALIZE CONSTRUCTION SCHEDULE

STEP 2 - FOUNDATIONS AND DIRECT BORE CONDUITS

1. INSTALL NEW DIRECT BORE CONDUITS:
 - a. NEW TRANSFORMER T3 TO MANHOLE MHT3
 - b. NEW JUNCTION CABINET T3 (JCT3) TO MANHOLE MHT3
 - c. MANHOLE MHT3 TO NEW SECONDARY JUNCTION BOX JBCP
 - d. NEW SECONDARY JUNCTION BOX JBCP TO NEW SECONDARY JUNCTION BOX JBT3
 - e. REPLACEMENT CONDUIT FOR SERVICES AS NECESSARY
2. INSTALL NEW FOUNDATIONS:
 - a. NEW TRANSFORMERS & JUNCTION CABINET T3

STEP 3 - NEW TRANSFORMER T3 (ENERGIZED WORK VIA EXISTING TRANSCLOSURE T3)

1. CLEAN AS MUCH OF MANHOLE MHT3, PULL BOXES PB9 AND PB10 AS POSSIBLE WITHOUT REMOVING EXISTING CABLES. REMOVE ANY SUPPORTS THAT ARE NOT IN USE.
2. PULL NEW PRIMARY CABLE FROM NEW TRANSFORMERS T3 TO JUNCTION CABINET T3.
3. PULL NEW PRIMARY CABLE FROM JUNCTION CABINET T3 TO MANHOLE MHT3 TO BE USED TO SPLICE INTO EXISTING PRIMARY CABLES SERVING T2 AND T4. THE SPLICES SHOULD NOT BE MADE UNTIL THE OUTAGE OF EXISTING TRANSFORMERS T3.
4. INSTALL NEW TRANSFORMERS T3 AND JUNCTION CABINET T3. MAKE ALL CONNECTIONS AT TRANSFORMERS AND JUNCTION CABINET.

5. INSTALL NEW JUNCTION BOXES, JBCP AND JBT3, AND PEDESTAL E IN CONSTITUTION PARK.
6. PULL NEW SECONDARY CABLES FOR SINGLE PHASE AND THREE PHASE SERVICES FROM NEW TRANSFORMERS T3 TO MANHOLE MHT3.
7. PULL NEW SECONDARY CABLES FOR SINGLE PHASE SERVICES FROM MANHOLE MHT3 TO PULL BOX PB9. SEE UTEC DRAWING FOR PULL BOX PB9 - TEMPORARY LAYOUT.
8. PULL NEW SECONDARY CABLES FOR THREE PHASE SERVICES FROM MANHOLE MHT3 TO PULL BOX PB10. SEE UTEC DRAWING FOR PULL BOX PB10 - TEMPORARY LAYOUT.
9. PULL NEW SECONDARY CABLES FOR SINGLE PHASE AND THREE PHASE SERVICES FROM MANHOLE MHT3 TO NEW JUNCTION BOX JBCP.
10. PULL NEW SECONDARY CABLES FOR SINGLE PHASE AND THREE PHASE SERVICES FROM NEW JUNCTION BOX JBCP TO NEW JUNCTION BOX JBT3.
11. PULL NEW SECONDARY CABLES FOR SINGLE PHASE SERVICES FROM NEW JUNCTION BOX JBCP TO NEW PEDESTAL E.
12. LOCATE AND UNCOVER SERVICE CONDUITS FOR 833 AND 835 FRONT ST. PREPARE AREA TO REDIRECT CONDUIT TO JUNCTION BOX JBCP FOR SERVICE FROM NEW TRANSFORMERS T3.
13. LOCATE AND UNCOVER SERVICE CONDUITS FOR 901 AND 903 FRONT ST. PREPARE AREA TO REDIRECT CONDUIT TO JUNCTION BOX JBT3 FOR SERVICE FROM NEW TRANSFORMERS T3.
14. LOCATE AND UNCOVER SERVICE CONDUITS FOR CONSTITUTION PARK AND HARBORWALK LIGHTING AND IRRIGATION. PREPARE AREA TO REDIRECT CONDUIT TO PEDESTAL E FOR SERVICE FROM NEW TRANSFORMERS T3.
15. VERIFY THERE ARE 6 CONDUITS BETWEEN MANHOLE MHT3 AND PULL BOX PB9. PULL NEW PRIMARY CABLE FROM JUNCTION CABINET T3 THROUGH MANHOLE MHT3, TO PULL BOX PB9. ENOUGH PRIMARY CABLE SHOULD BE COILED IN PB9 TO ALLOW FOR CONNECTION TO PAD MOUNT TRANSFORMER TF THAT SERVES THE FOGEL BUILDING. THE CONNECTION TO TRANSFORMER TF SHOULD NOT BE MADE UNTIL THE OUTAGE OF EXISTING TRANSFORMER T3 IS TAKEN. MAKE CONNECTIONS AT JUNCTION CABINET T3.

STEP FOUR - EXISTING TRANSCLOSURE T3 OUTAGE (DE-ENERGIZED WORK)

1. DE-ENERGIZE EXISTING TRANSCLOSURE T3.
2. DISCONNECT ALL SERVICES IN MANHOLE T3, PULL BOXES PB9 AND PB10, AND IN EXISTING TRANSCLOSURE T3.
3. REMOVE ALL EXISTING SECONDARY CABLES FROM MANHOLE T3, PULL BOXES PB9 AND PB10 AND EXISTING TRANSCLOSURE T3.
4. REMOVE ALL EXISTING CABLE WALL CHANNELS AND CABLE SUPPORT BRACKETS IN MANHOLE MHT3, AND PULL BOXES PB9 AND PB10.
5. INSTALL NEW CABLE WALL CHANNELS AND CABLE SUPPORT BRACKETS IN MANHOLE MHT3, AND PULL BOXES PB9 AND PB10.
6. INSTALL NEW SECONDARY CABLES ON NEW CABLE SUPPORT BRACKETS IN MANHOLE MHT3, AND PULL BOXES PB9 AND PB10.
7. RECONNECT ALL SERVICES IN MANHOLE MHT3, AND PULL BOXES PB9 AND PB10.
8. REDIRECT CONDUITS FOR SERVICES TO 833 AND 835 FRONT ST INTO JUNCTION BOX JBCP. CONNECT NEW SERVICE CABLES FROM JUNCTION BOX JBCP TO CUSTOMERS AT 833 AND 835 FRONT ST.
9. REDIRECT CONDUITS FOR SERVICES TO 901 AND 903 FRONT ST INTO JUNCTION BOX JBT3. CONNECT NEW SERVICE CABLES FROM JUNCTION BOX JBT3 TO CUSTOMERS AT 901 AND 903 FRONT ST.
10. REDIRECT CONDUITS FOR CONSTITUTION PARK AND HARBORWALK LIGHTING AND IRRIGATION INTO PEDESTAL E. CONNECT NEW SERVICE CABLES.
11. SPLICE PRIMARY CABLES FROM NEW TRANSFORMERS T3 TO PRIMARY CABLES TO EXISTING TRANSFORMERS T2 AND T4.
12. REMOVE PRIMARY CABLE FROM PAD MOUNT TRANSFORMER TF TO EXISTING TRANSCLOSURE T3. PULL PRIMARY CABLE FROM PB9 INTO PAD MOUNT TRANSFORMER TF AND MAKE CONNECTIONS.
13. ENERGIZE NEW TRANSFORMERS T3.

STEP FIVE - NEW TRANSFORMERS T3 ENERGIZED (ADDITIONAL WORK)

1. PULL AND INSTALL NEW SECONDARY CABLES FOR THREE PHASE SERVICES FROM MANHOLE MHT3 TO PULL BOX PB9. SEE UTEC DRAWING FOR PULL BOX PB9 - FINAL LAYOUT.
2. PULL AND INSTALL NEW SECONDARY CABLES FOR SINGLE PHASE SERVICES FROM MANHOLE MHT3 TO PULL BOX PB10. SEE UTEC DRAWING FOR PULL BOX PB10 - FINAL LAYOUT.
3. REMOVE EXISTING T3 TRANSFORMERS, ENCLOSURE, AND ASSOCIATED EQUIPMENT.
4. DE-ENERGIZE NEW TRANSFORMERS T3.
5. SWAP TEMPORARY SINGLE PHASE SERVICES FROM THREE PHASE CONNECTORS TO NEW SINGLE PHASE SECONDARY AS SHOWN ON FINAL LAYOUT DRAWING FOR PULL BOX PB10.
6. RE-ENERGIZE NEW TRANSFORMERS T3.

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PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION
REVISION 11/29/22

CITY OF GEORGETOWN
GEORGETOWN, SC
FRONT ST ELECTRIC UPGRADE - PH. 2
CONSTRUCTION SEQUENCE
STEPS 1 - 5

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