SEQUENCE OF OPERATIONS

PHASE 1:

A. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE DEMOLITION/RENOVATION PLANS AND IDENTIFY ALL UNDERGROUND ROUTING OF NEW WORK ENSURING EXISTING INSTALLATION OF UNDERGROUND UTILITIES ARE NOT DISTURBED.

B. INSTALL NEW UNDERGROUND 13.8KV DUCTBANK FEEDERS FROM EXISTING SECTIONAL SWITCH (SS) #12 TO NEW ELECTRICAL MANHOLE (EMH) #26A. PREP AREA WHERE FINAL CONNECTION OF SS #12 IS TO BE MADE. DO NOT MAKE FINAL CONNECTION UNTIL SHUT DOWN OF SS #12 IS COMPLETED DURING PHASE 4. PROVIDE PULL CORD AS REQUIRED.

C. INSTALL NEW UNDERGROUND 13.8KV DUCTBANK FEEDERS FROM NEW EMH #26A TO NEW EMH#26B. PROVIDE PULL CORD AS REQUIRED.

D. INSTALL NEW UNDERGROUND 13.8KV DUCTBANK FEEDERS FROM NEW EMH #26B UP TO EXISTING BUILDING 6'S 300KVA PAD MOUNTED TRANSFORMER. PREP AREA WHERE FINAL CONNECTION OF BUILDING 6'S TRANSFORMER IS TO BE MADE. DO NOT MAKE FINAL CONNECTION UNTIL SHUT DOWN OF BUILDING 6'S TRANSFORMER IS COMPLETED DURING PHASE 4. PROVIDE PULL CORD AS REQUIRED.

E. INSTALL NEW UNDERGROUND 13.8KV DUCTBANK FEEDERS FROM NEW EMH #26A TO NEW FREESTANDING NEMA 4X ENCLOSURE, EPB #25 MOUNTED ON CONCRETE PAD AS SHOWN ON ES100. PREP AREA WHERE FINAL CONNECTION OF EMH #25 IS TO BE MADE. DO NOT MAKE FINAL CONNECTION UNIT SHUT DOWN OF LOOP C AND D ARE COMPLETED DURING PHASE 4. PROVIDE PULL CORD AS REQUIRED.

F. INSTALL NEW FREESTANDING NEMA 4X ENCLOSURE, EPB #27 MOUNTED ON CONCRETE PAD AS SHOWN ON ES100. INSTALL NEW UNDERGROUND 13.8KV DUCTBANK FEEDER ON BOTH SIDES TO CONNECT TO EXISTING AS REQUIRED.

G. INSTALL NEW UNDERGROUND 13.8KV DUCTBANK FEEDER FROM NEW EMH #26 TONEW EPB #27. PROVIDE PULL CORD AS REQUIRED.

H. INSTALL NEW UNDERGROUND 13.8KV DUCTBANK FEEDER FROM NEW EMH #26 TO NEW EMH #26A. COORDINATE WITH CIVIL PLANS AND NEW UNDERGROUND TUNNEL. PROVIDE PULL CORD AS REQUIRED.

PHASE 2:

A. INSTALL NEW UNDERGROUND DUCTBANK FROM NEW 300KVA PAD MOUNTED TRANSFORMER TO EXISTING 225KVA PAD MOUNTED TRANSFORMER PREVIOUSLY SERVICING BUILDING #25. DO NOT MAKE FINAL CONNECTION UNTIL SHUT DOWN OF SS #11 IS COMPLETED DURING PHASE 4. PROVIDE PULL CORD AS REQUIRED.

B. INSTALL CONCRETE PAD AND 300KVA TRANSFORMER WITH INTEGRAL FUSE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION. ENSURE TRANSFORMER SWITCH/FUSE ARE IN THE "OFF" POSITION UNTIL NEW CLC IS READY FOR SERVICE.

PHASE 3:

A. CONTRACTOR SHALL PROVIDE AND INSTALL A SEPARATE DIESEL GENERATOR FOR EACH BUILDING 6 AND 7 AND MAN THE OPERATIONS. GENERATOR WILL ACT AS NORMAL POWER DURING PHASE 4. VA'S EMERGENCY GENERATOR SHALL NOT BE USED FOR NORMAL WORKING ACTIVITIES. HOWEVER, MAY BE USED FOR CONTRACTOR PROVIDED GENERATOR INSPECTION PURPOSES ONLY. PROVIDE SUPERVISION, FUEL AND REQUIRED RECORD DOCUMENTATION DURING RUNTIME AND TESTING.

1) BUILDING 6'S TEMPORARY GENERATOR SHALL BE SIZED FOR A MINIMUM OF 400KVA OR 1000A WITH AT LEAST 96 HOURS OF FUEL TIME.

2) BUILDING 7'S TEMPORARY GENERATOR SHALL BE SIZED FOR A MINIMUM OF 720KVA OR 2000A WITH AT LEAST 96 HOURS OF FUEL TIME.

B. PREP AREA WHERE TEMPORARY CONNECTION WILL BE MADE IN BUILDING 6 UP TO THE SERVICE ENTRANCE EQUIPMENT. DO NOT MAKE CONNECTION UNTIL SHUT DOWN OF SS #12 IS COMPLETED DURING PHASE 4. PROVIDE PULL STRINGS AS REQUIRED.

C. PREP AREA WHERE TEMPORARY CONNECTION WILL BE MADE IN BUILDING 7 UP TO THE SERVICE ENTRANCE EQUIPMENT. DO NOT MAKE CONNECTION UNTIL SHUT DOWN OF SS #12 IS COMPLETED DURING PHASE 4. PROVIDE PULL STRINGS AS REQUIRED.

PHASE 4:

A. COORDINATE ELECTRICAL SERVICE SHUT DOWN OF LOOP C AND D WITH THE VA COR. CONTRACTOR SHALL PROVIDE A PLAN IN WRITTEN FORM FOR APPROVAL FROM THE COR. CONTRACTOR SHALL COORDINATE AT LEAST THREE (3) MONTHS PRIOR WITH THE VA COR FOR ACTUAL SHUT DOWN; ONLY (1) ONE SHUT DOWN WILL BE ACCEPTABLE. CONTRACTOR SHALL ENSURE SUFFICIENT STAFFS (A MINIMUM OF A TWO-MAN CREW AT EACH AFFECTED MANHOLE) SHALL BE PROVIDED ON SITE TO MINIMIZE SHUT DOWN DURATION. COMPLETION OF WORK DURING SHUT DOWN SHALL BE DONE OVER ONE WEEKEND AND MUST NOT EXCEED TWO DAYS.

B. CONTRACTOR SHALL TEMPORARILY DISCONNECT NORMAL SERVICE IN EXISTING SERVICE ENTRANCE EQUIPMENT SERVICING BUILDING 6 AND MAKE CONNECTION FROM TEMPORARY GENERATOR TO EXISTING SERVICE ENTRANCE EQUIPMENT. START UP GENERATOR, ENSURE BUILDING IS FULLY FUNCTIONING.

C. CONTRACTOR SHALL TEMPORARILY DISCONNECT NORMAL SERVICE IN EXISTING SERVICE ENTRANCE EQUIPMENT SERVICING BUILDING 7 AND MAKE CONNECTION FROM TEMPORARY GENERATOR TO EXISTING SERVICE ENTRANCE EQUIPMENT. START UP GENERATOR, ENSURE BUILDING IS FULLY FUNCTIONING.

D. SEVER LOOP C AND D AT EXISTING EMH #26A. PULL BACK 13.8KV FEEDERS FROM EXISTING EMH #26A TO EXISTING EMH #27. ON THE OTHER SIDE, PULL BACK 13.8KV FEEDERS FROM EMH #26A TO EXISTING EMH #25. DEMOLISH ASSOCIATED DUCTBANK AS REQUIRED.

E. DISCONNECT CONNECTION OF UNDERGROUND 13.8KV FEEDER FROM SS #12 AND BUILDING 6'S TRANSFORMER. DEMOLISH ASSOCIATED DUCTBANK AS REQUIRED.

F. REMOVE EXISTING 225KVA PAD MOUNTED TRANSFORMER PREVIOUSLY SERVICING DEMOLISHED BUILDING #25. REMOVE EXISTING CONDUCTORS FROM EXISTING 225KVA PAD MOUNTED TRANSFORMER TO EXISTING EXISTING SS #11 VIA EXISTING ELECTRICAL MANHOLE #28. ENSURE EXISTING CONCRETE ENCASED DUCTBANK IS PROTECTED TO BE REUSED. EXTEND EXISTING DUCTBANK TO NEW DUCTBANK AS SHOWN ON ES100. PULL NEW CONDUCTORS AS REQUIRED FROM EXISTING SS #11 TO NEW CLC'S TRANSFORMER LOCATION.

G. BORE EXISTING ELECTRICAL MANHOLES #27 AND #25 AS SHOWN ON SHEET ES100.

H. MAKE FINAL CONNECTION AND PULL NEW CONDUCTORS AT THE FOLLOWING LOCATION:

1) EXISTING EMH #27 TO NEW EPB #27.

2) NEW EPB #27 TO NEW EMH #26.

3) NEW EMH #26 TO NEW EMH #26A.

4) NEW EMH #26A TO NEW EPB #25

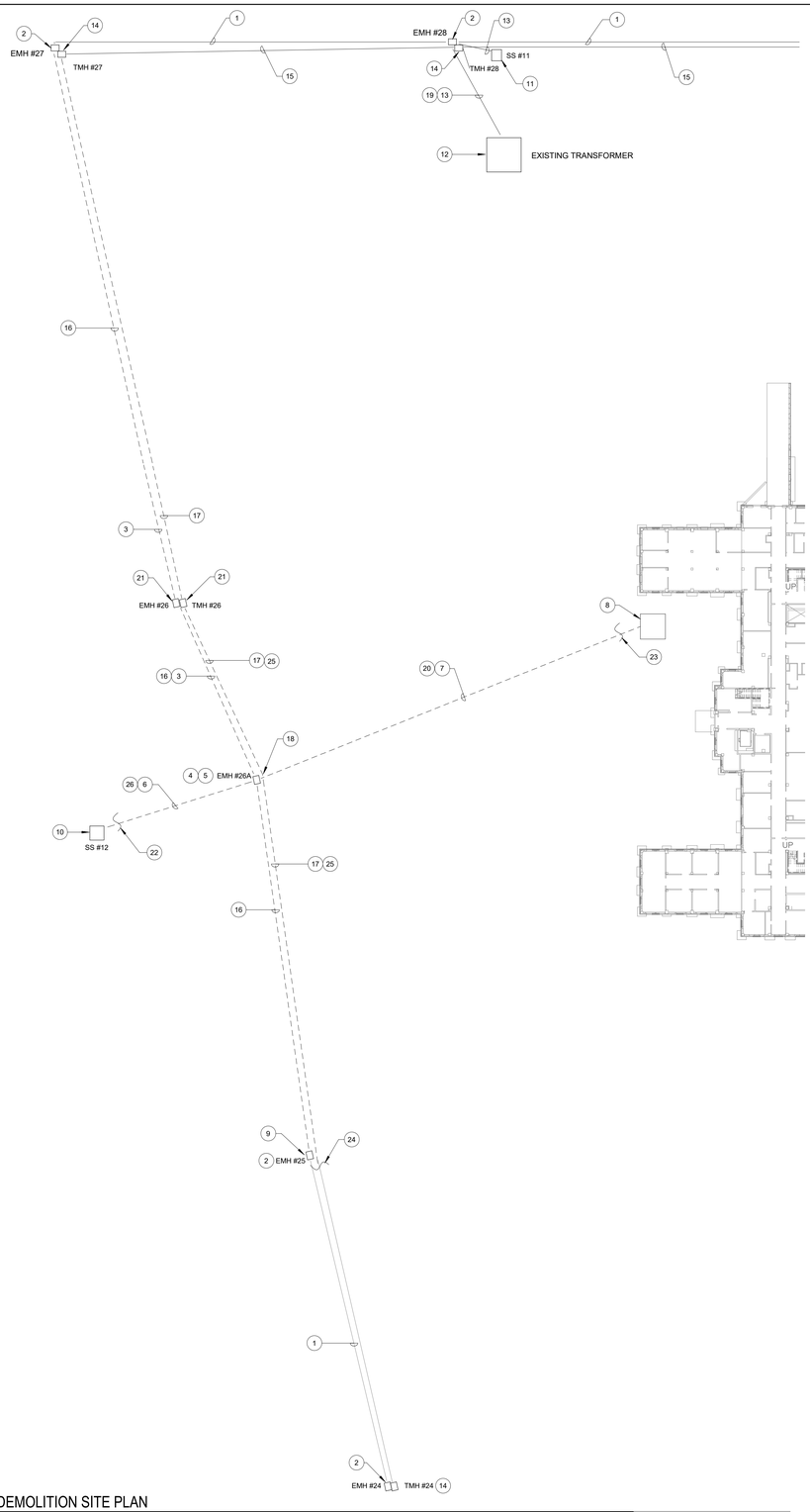
5) NEW EPB #25 TO EXISTING EMH #25.

6) EXISTING SS #12 TO NEW EMH #26A.

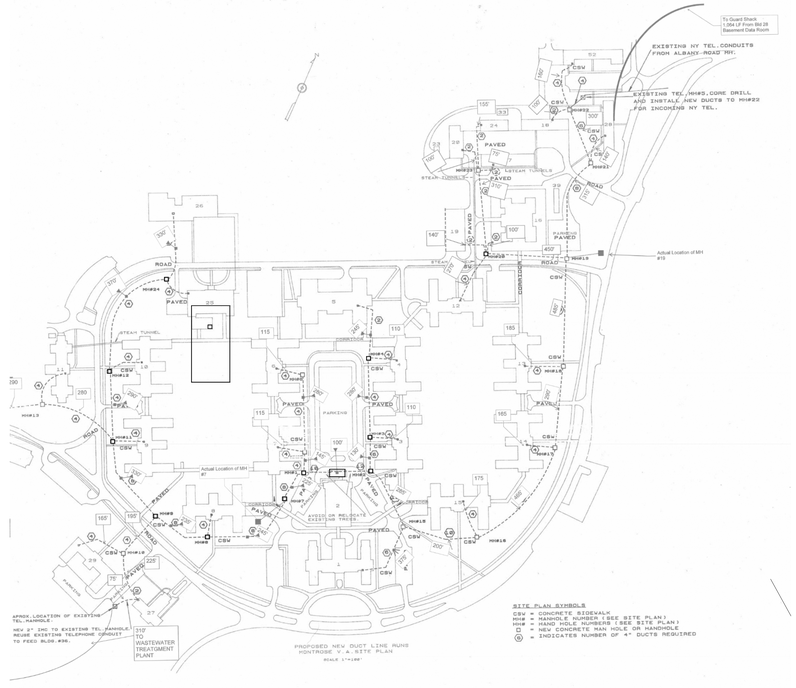
7) NEW EMH #26A TO NEW EMH #26B.

8) NEW EMH #26B TO EXISTING BUILDING 6'S 300KVA TRANSFORMER.

9) EXISTING SS #11 TO NEW 300KVA PAD MOUNTED TRANSFORMER. ENSURE TRANSFORMER FUSE IS IN THE OFF POSITION UNTIL NEW CLC IS READY FOR SERVICE.



1 ELECTRICAL DEMOLITION SITE PLAN
1" = 30'-0"



2 OVERALL CAMPUS KEYPLAN
1/16" = 1'-0"

EXISTING CONDITION NOTES

IT IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSPECT ALL OF THE EXISTING ELECTRICAL GEAR INCLUDING BUT NOT LIMITED TO SECTIONAL SWITCHES, DUCTBANKS, CONDUITS. MANHOLES THAT ARE SHOWN TO BE REUSED ARE TO BE INSPECTED TO VERIFY THEY ARE IN CURRENT CODE COMPLIANT AND WORKING CONDITION. CONTRACTOR SHALL REPORT DISCREPANCIES TO THE VA PRIOR TO DISTURBING EXISTING INSTALLATION.

FOR ALL EXISTING CABLES OR CONDUCTORS WITHIN DUCT BANKS OR MANHOLES WITHIN THE SCOPE OF THIS PROJECT SHALL BE VERIFIED FOR USE AND CONTINUITY. PROVIDE VA COR LIST OF CABLES THAT ARE ABANDONED, NO LONGER IN USE, OR IN USE AND WHAT THEY SERVE. ANY CABLES ABANDONED OR NO LONGER IN USE SHALL BE REMOVED TO ORIGIN.

THERE SHALL BE NO SPLICES OR RE-USE OF CABLES OR CONDUCTORS WITHIN THE SCOPE OF THIS PROJECT. ALL WIRING ASSOCIATED WITH THE SCOPE OF THIS PROJECT SHALL BE NEW UNLESS OTHERWISE NOTED.

SEE CIVIL PLANS FOR COORDINATION EFFORTS AND DETAILS, FS ON SHEET CG506.

GENERAL NOTES

A. THE DESIGN INTENT IS TO REMOVE/RELOCATE/RE-ROUTE ALL HIGH VOLTAGE EQUIPMENT/CONDUCTORS IDENTIFIED TO BE LOCATED UNDERNEATH THE NEW CLC'S FOOTPRINT. THIS INCLUDES THE REMOVAL OF THE EXISTING ELECTRICAL MANHOLE EMH #26A AND 13.8 KV, 3-PH UNDERGROUND ELECTRICAL FEEDER FROM EMH # 26A TO THE (2) EXISTING PAD-MOUNTED UTILITY TRANSFORMERS SERVICING EXISTING BUILDING #6.

B. ELECTRICAL CONTRACTOR SHALL MEET WITH THE VA PROJECT ENGINEER AT THE SITE TO VERIFY TERMINATION LOCATION, ROUTING OF CONDUITS AND ROUGH-IN REQUIREMENTS PRIOR TO COMMENCING ANY WORK ON THIS SITE.

C. ELECTRICAL CONTRACTOR SHALL MEET WITH LOCAL LOW VOLTAGE SYSTEM PROVIDER AT THE SITE TO VERIFY TERMINATION LOCATION, ROUTING OF CONDUITS AND ROUGH-IN REQUIREMENTS PRIOR TO COMMENCING ANY WORK ON THIS SITE.

D. ELECTRICAL CONTRACTOR SHALL CONTACT LOCAL UTILITY UNDERGROUND LOCATING SERVICE COMPANY PRIOR TO DIGGING ON THIS SITE.

E. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH WITH CIVIL PRIOR TO WORKING ON THIS SITE.

F. CONTRACTOR SHALL FIELD VERIFY ACTUAL SIZES AND QUANTITIES OF EXISTING CONDUCTORS AND DUCTBANKS. THE DESIGN INTENT IS TO MATCH SIZES AND QUANTITIES OF EXISTING FOR NEW WORK.

KEYNOTES

1 EXISTING UNDERGROUND ELECTRIC 13.8 KV, 3-PH CONDUCTORS TO REMAIN.

2 EXISTING ELECTRICAL MANHOLE TO REMAIN.

3 PULL BACK SEVERED C AND D LOOP CONDUCTORS FROM EXISTING ELECTRICAL MANHOLE #26A TOWARDS EXISTING EMH #27 VIA EMH #26. CONNECT EXISTING CONDUCTORS TO NEW CONDUCTORS FOR C AND D LOOPS ON A TERMINAL BLOCK WITH LOAD BLOCK ELBOWS ON BOTH SIDES IN NEW NEMA 4X ENCLOSURE ON CONCRETE PAD EPB #27. SEE ES100 FOR ADDITIONAL INFORMATION. DEMOLISH EXISTING DUCTBANK FROM EMH #26A TO EXISTING EMH #27.

4 SEVER ALL C AND D LOOP CONDUCTORS IN EXISTING ELECTRICAL MANHOLE #26A AND PULL BACK TO EXISTING ELECTRICAL MANHOLE #27 ON ONE SIDE AND TO EXISTING ELECTRICAL MANHOLE #25 ON OTHER SIDE. LEAVE ENOUGH SLACK TO COME INTO NEW ABOVE GRADE NEMA 4X ENCLOSURE AND CONNECT TO TERMINAL BLOCK.

5 REMOVE EXISTING ELECTRICAL MANHOLE EMH #26A.

6 PULL BACK SEVERED C AND D LOOP CONDUCTORS FROM EXISTING ELECTRICAL MANHOLE EMH #26A TO SS #12. DISCONNECT AND REMOVE CONDUCTORS.

7 PULL BACK EXISTING UNDERGROUND ELECTRIC 13.8 KV, 3-PH CONDUCTORS FROM EXISTING ELECTRICAL MANHOLE EMH #26A TO EXISTING PAD-MOUNTED UTILITY TRANSFORMER #1 SERVICING BUILDING #6. DISCONNECT AND REMOVE CONDUCTORS.

8 APPROXIMATE LOCATION OF EXISTING PAD-MOUNTED UTILITY TRANSFORMER #1 SERVICING BUILDING #6.

9 PULL BACK SEVERED C AND D LOOP CONDUCTORS FROM EXISTING ELECTRICAL MANHOLE #26A TOWARDS MANHOLE #25 TO THE PROPOSED NEW NEMA 4X ENCLOSURE AT THIS LOCATION. CONNECT EXISTING CONDUCTORS TO NEW CONDUCTORS FOR C AND D LOOPS ON A TERMINAL BLOCK WITH LOAD BLOCK ELBOWS ON BOTH SIDES IN NEW NEMA 4X ENCLOSURE ON CONCRETE PAD.

10 EXISTING SECTIONAL SWITCH, SS#12 TO REMAIN.

11 EXISTING SECTIONAL SWITCH, SS#11 TO REMAIN.

12 EXISTING 225KVA PAD MOUNTED TRANSFORMER PREVIOUSLY SERVICING DEMOLISHED BUILDING #25 TO BE REMOVED.

13 EXISTING UNDERGROUND DUCTBANK FEEDER TO REMAIN AND REUSED DURING NEW WORK AS DIRECTED BY OWNER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE FILL CAPACITY AND THE EXISTING DUCTBANK/CONDUITS ARE IN CURRENT CODE COMPLIANT CONDITION FOR REUSE. PROTECT DURING DEMOLITION AND REMOVE ASSOCIATED CONDUCTORS.

14 EXISTING TELECOMMUNICATION MANHOLE TO REMAIN.

15 EXISTING UNDERGROUND TELECOMMUNICATION CABLES IN DUCTBANKS TO REMAIN.

16 EXISTING CONCRETE ENCASED DUCTBANKS - (4) 3" CONDUITS WITH 13.8KV, 3/C 2/0 PRIMARY AND 1#1 B/N. DISCONNECT AND REMOVE CONDUCTORS AND DEMOLISH EXISTING DUCTBANK.

17 EXISTING CONCRETE ENCASED DUCTBANKS - (5) 3" CONDUITS. 1 - 30#16 RHL. 1 - 24#16 RHL AND 2-3/C #16 RHL. 1 2#12 RHL. 1 - TELEPHONE. 1 - SPARE. DISCONNECT AND REMOVE CONDUCTORS AND DEMOLISH EXISTING DUCTBANK.

18 SEVER ALL TELECOMMUNICATION CABLES AT THIS LOCATION AND PULL BACK TO EXISTING TELECOMMUNICATION MANHOLE, TMH #27 ON ONE SIDE AND TO NEW TELECOMMUNICATION PULL BOX, TPB #25. LEAVE ENOUGH SLACK TO COME INTO NEW ABOVE GRADE NEMA 4X ENCLOSURE AND CONNECT TO TERMINAL BLOCK. DEMOLISH ASSOCIATED DUCTBANK AS REQUIRED. SEE RENOVATION PLANS FOR LOCATION OF NEW TPB #25.

19 REMOVE EXISTING FEEDER CONDUCTORS AND RE-USE DUCT BANK BETWEEN SS#11 AND EXISTING TRANSFORMER. RUN NEW FEEDER CONDUCTORS FROM SS#11 TO NEW CLC BUILDING.

20 EXISTING CONCRETE ENCASED DUCTBANKS - (2) 3" ONE CONDUIT WITH 13.8KV, 3/C 2/0 PRIMARY AND 1#1 B/N AND ONE SPARE CONDUIT. DISCONNECT AND REMOVE CONDUCTORS AND DEMOLISH EXISTING DUCTBANK. SEE CIVIL PLAN CD101 FOR LOCATIONS OF EXISTING CONCRETE DUCTBANK TO BE REMOVED AT NEW UTILITY CROSSINGS.

21 EXISTING MANHOLES EMH#26 AND TMH#26 TO BE REMOVED.

22 CUTOFF POINT 3LF EAST OF EXISTING SS #12.

23 CUTOFF POINT 3LF WEST OF EXISTING TRANSFORMER #1.

24 CUTOFF POINT 3LF SOUTH OF EXISTING EMH #25.

25 REMOVE EXISTING CONCRETE ENCASED DUCTBANK FROM TMH #27 TO CUTOFF POINT 3LF SOUTH OF EMH #25.

26 EXISTING CONCRETE ENCASED DUCTBANKS - (4) 3" CONDUITS WITH 13.8KV, 3/C 2/0 PRIMARY AND 1#1 B/N. DISCONNECT AND REMOVE CONDUCTORS AND DEMOLISH EXISTING DUCTBANK. SEE CIVIL PLAN CD101 FOR LOCATIONS OF EXISTING CONCRETE DUCTBANK TO BE REMOVED AT NEW UTILITY CROSSINGS.

Revisions:	Date:

CONSULTANT

NORRIS DESIGN — Planning | Landscape Architecture | Branding
Landscape Architect
418 North Toole Avenue
Tucson, AZ 85701
(520) 622-9565
Josh Orth., PLA

HINMAN
Protective Design Specialist
240 West 35th St. Suite 1004
New York, NY 10001
(212) 967-4890
Corrine Tan, SE

C.S.Davidson,Inc.
Structural
315 West James Street, Suite 102
Lancaster, PA 17603
(717) 481-2991
Jason Vannoy, SE, PE

MES GROUP
MEP
550 North Reo Street, Suite 203
Tampa, FL 33609
(813) 289-4700
Nicholas Stephenson, PE

ARCHITECT/ENGINEER OF RECORD

A/E:
TRIPLE C - The A/E Group
201 E. Jefferson Street, Suite 200
Syracuse, NY 13202
(315) 484-5958
Mat Perkins

TRIPLE C - THE A&E GROUP
A MULTI-DISCIPLINE COMPANY

STAMP

STATE OF NEW YORK — NICHOLAS J. STEPHENSON — 102195 — LICENSED PROFESSIONAL ENGINEER
05/09/2022

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	ELECTRICAL DEMOLITION SITE PLAN
Approved:	
Phase	ISSUED FOR CONSTRUCTION
	FULLY SPRINKLERED
Project Title	NEW COMMUNITY LIVING CENTER
Location	2094 Albany Post Road, Montrose, NY 10548
Issue Date	05/09/2022
Checked	DK
Drawn	SC
Project Number	620-334
Building Number	CLC
Drawing Number	ED100

BIM 360://620-334 New Community Living Center\19577_MEP_VA Montrose CLC_R20.rvt
6/2/2022 9:06:33 AM

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