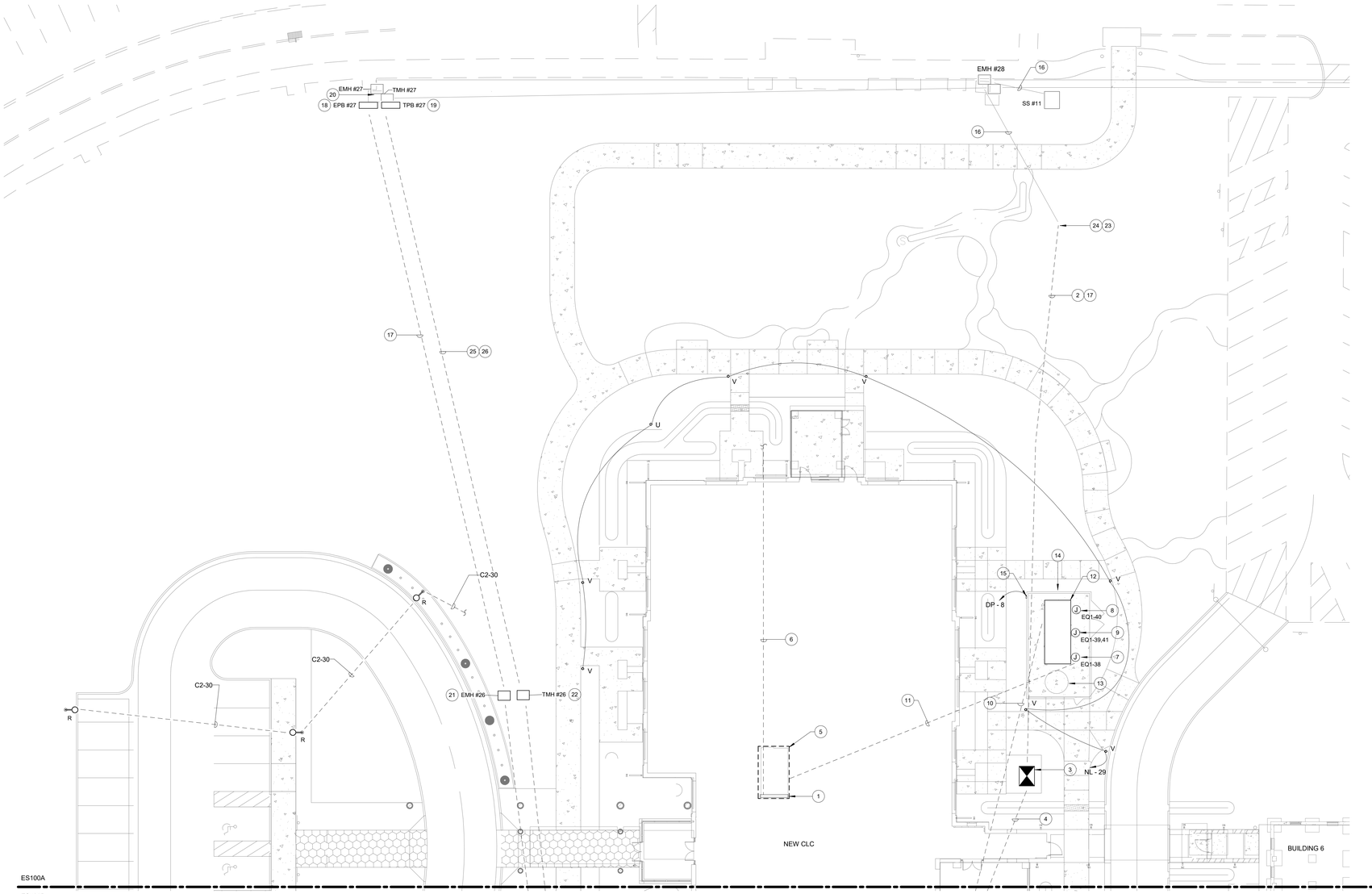


1 ELECTRICAL RENOVATION SITE PLAN - AREA A

1/16" = 1'-0"

KEYNOTES

1 APPROXIMATE LOCATION OF TELEPHONE TERMINAL BACKBOARD. SEE FLOOR PLANS FOR ADDITIONAL INFORMATION.

2 PROVIDE NEW UNDERGROUND CONCRETE ENCASED DUCTBANK SERVICE FEEDER FROM NEW PAD MOUNTED TRANSFORMER UP TO EXISTING DUCTBANK. PROVIDE NEW 13.8 KV, 3-PHASE CONDUCTORS FROM EXISTING SECTIONAL SWITCH SS#11 THROUGH EXISTING ELECTRICAL MANHOLE #28 TO NEW PAD MOUNTED TRANSFORMER. COORDINATE ALL REQUIREMENTS WITH VA. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.

3 APPROXIMATE LOCATION OF 208/120V-3PH, PAD-MOUNTED TRANSFORMER. COORDINATE FINAL LOCATION WITH VA.

4 UNDERGROUND 208/120V-3PH DIRECT BURIAL SECONDARY ELECTRIC SERVICE CONDUCTORS TO MAIN DISTRIBUTION PANEL, MDP. COORDINATE STUB-UP REQUIREMENTS IN SECONDARY COMPARTMENT OF TRANSFORMER WITH VA.

5 APPROXIMATE LOCATION OF IT CLOSET. SEE FLOOR PLANS FOR ADDITIONAL INFORMATION.

6 PROVIDE (2) 4" CONDUITS WITH PULL STRINGS BURIED 30" B.F.G. TO EXISTING EMH #24 FOR TELEPHONE AND DATA SERVICES; CAP AND MARK FOR INSTALLATION FOR COMMUNICATION SERVICES. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL TELEPHONE REQUIREMENTS AND TERMINATION POINT WITH SERVICE PROVIDER/VA. SEE SHEET EY100 FOR ADDITIONAL INFORMATION.

7 WP JUNCTION BOX FOR GENERATOR CONTROL PANEL.

8 WP JUNCTION BOX FOR BATTERY CHARGER.

9 WP JUNCTION BOX FOR JACKET WATER HEATER.

10 36" UNDERGROUND DIRECT BURIAL EMERGENCY ELECTRIC SERVICE FEEDER FROM GENERATOR TO EMERGENCY ENCLOSED CIRCUIT BREAKERS. SEE FLOOR PLANS AND SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.

11 PROVIDE (2) 1" CONDUITS UNDERGROUND WITH PULL STRINGS FROM GENERATOR CONTROLS TO IT ROOM. MAA AT THE BOILER PLANT SHALL MONITOR GENERATOR.

12 APPROXIMATE LOCATION OF EMERGENCY STAND-BY GENERATOR. SEE SINGLE LINE DIAGRAM, DETAILS H ON SHEET E501 AND CG503 FOR ADDITIONAL INFORMATION.

13 ABOVE GROUND 1000 GALLON DIESEL FUEL TANK WITH TANK SUPPORTS "FEET". CONTRACTOR SHALL ENSURE BOTTOM OF TANK TO BE 1" OFF OF CONCRETE CURB/PAD THAT IT SITS ON. SEE DETAIL "H" ON SHEET E501 AND F1/CG503 FOR ADDITIONAL INFORMATION.

14 ENCLOSURE AROUND GENERATOR. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.

15 WP DUPLEX FOR IRRIGATION CONTROLLER MOUNTED ON PEDESTAL. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

16 EXISTING UNDERGROUND DUCTBANK WITH NEW FEEDER.

17 NEW CONCRETE ENCASED DUCTBANKS - (4) 3" CONDUITS WITH 13.8KV, 3/C 2/0 PRIMARY AND 1#1 B/N AND TWO SPARE CONDUITS.

18 90" X 72" X 24" (HxWxD) NEW FREESTANDING NEMA 4X ENCLOSURE WITH LOAD BREAK ELBOWS ON BOTH SIDES OF THE TERMINAL BLOCKS MOUNTED ON CONCRETE PAD FOR 13.8 KV, 3-PH POWER FEED CONNECTIONS. TERMINATE BACK TO EXISTING ELECTRICAL C AND D LOOPS. BASIS OF DESIGN IS HUBBELL WRD907224SSFSDN4.

19 NEW FREESTANDING NEMA 4X ENCLOSURE MOUNTED ON CONCRETE PAD FOR TELECOMMUNICATION CABLES FEED CONNECTIONS. TERMINATE BACK TO EXISTING TELEPHONE CABLES.

20 BORE EXISTING ELECTRICAL MANHOLE #27 FOR NEW UNDERGROUND 13.8 KV, 3-PH C AND D LOOP CONDUCTORS FROM NEW FREESTANDING NEMA 4X ENCLOSURE, EPB #27. AT EXISTING MANHOLE, BREAK THE STRUCTURE WALL OUT TO THE DIMENSIONS REQUIRED AND PRESERVE THE STEEL IN THE STRUCTURAL WALL. CUT STEEL AND EXTEND INTO THE DUCT BANK ENVELOPE. CHIP THE PERIMETER SURFACE OF THE DUCT BANK OPENING TO FORM A KEY OR FLARED SURFACE. REFER TO SPECS AND CIVIL PLANS FOR ADDITIONAL INFORMATION. REMOVE AND CONSTRUCT NEW MANHOLE #27.

21 NEW ELECTRICAL MANHOLE.

22 NEW TELECOMMUNICATION MANHOLE.

23 REFER TO SPEC 26 05 41 SECTION 3.3.E FOR DIRECTION ON CONNECTING NEW DUCT TO EXISTING.

24 MAKE CONNECTION TO EXISTING CONCRETE DUCTBANK. SEE DETAIL F5-CG506.

25 PULL NEW TELECOMMUNICATION CABLES IN NEW CONCRETE ENCASED DUCTBANK.

26 NEW 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.

GENERAL NOTES

A. 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.

B. 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.

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

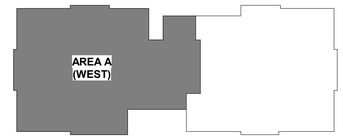
D. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH STRUCTURAL ENGINEER FOR CONDUIT OPENING IN STRUCTURAL SUPPORT.

E. REFER TO SINGLE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.

F. ALL EXTERIOR ELECTRICAL DEVICES AND ENCLOSURE SHALL BE RATED NEMA 3R.

G. SITE AND LANDSCAPE LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL-ON AND TIMECLOCK-OFF. FIXTURES SHALL BE PROVIDED WITH INTEGRAL PHOTOCELL.

H. SEE SHEET ES100 ELECTRICAL RENOVATION OVERALL SITE PLAN FOR ADDITIONAL INFORMATION.



KEY PLAN

Revisions:	Date:

CONSULTANT

NORRIS DESIGN — 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 A/E COMPANY

STAMP

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

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL RENOVATION SITE PLAN - AREA A	Phase: ISSUED FOR CONSTRUCTION	Project Title: NEW COMMUNITY LIVING CENTER	Project Number: 620-334
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