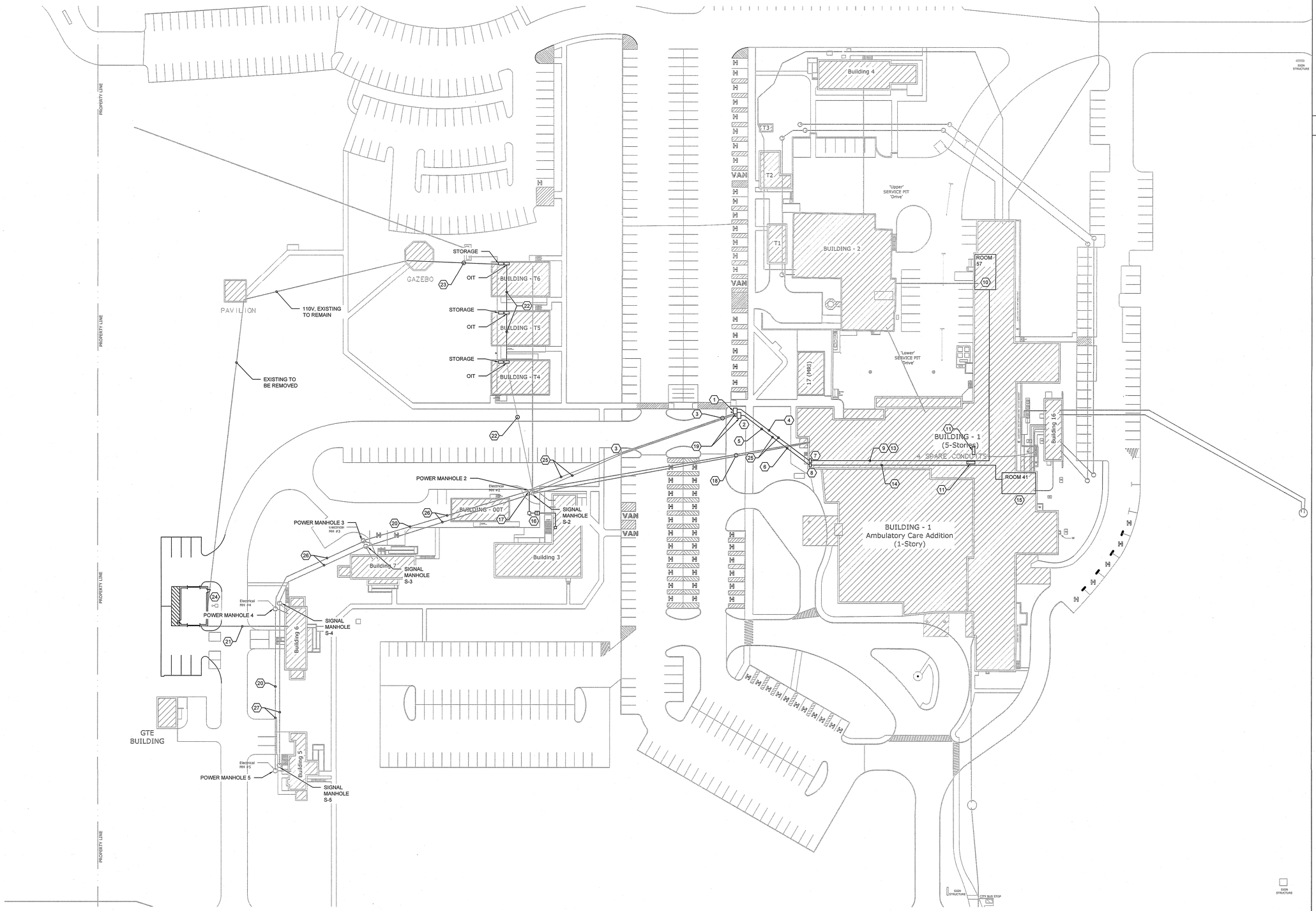

1 ELECTRICAL SITE PLAN
1" = 40'

GENERAL NOTES

1. CONTRACTOR SHALL EVALUATE AND PROVIDE A COMPLETE REPORT OF THE CONDITION OF EACH EXISTING POWER AND SIGNAL MANHOLES.
2. CONTRACTOR SHALL REPLACE ALL EXISTING RUSTED SUPPORT WITH APPROVED SUPPORTS.
3. ALL PENETRATIONS AROUND CONDUITS, EXISTING AND NEW, SHALL BE SEALED WITH APPROVED SEALANTS.
4. AFTER ALL THE CABLING IS INSTALLED AND TESTED, THE CONTRACTOR SHALL SEAL ALL THE CONDUITS WITH APPROVED SEALANTS.
5. MANHOLES SHALL BE TUCK POINTED AS SHOWN ON THE CIVIL DRAWINGS.
6. ALL MANHOLES SHALL BE CLEANED AFTER WORK IS COMPLETE.
7. ALL EXISTING CONDITIONS/DRAWINGS ARE BASED ON BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY AND VISUAL INSPECTION CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS.

KEY NOTES

1. PROVIDE NEW POWER MANHOLE P-1.
2. PROVIDE NEW SIGNAL MANHOLE S-1.
3. INTERCEPT EXISTING: 2-3", 2-4", AND 2-6" CONDUIT AND EXTEND TO NEW MANHOLES P-1 AND S-1 AND TO MANHOLE P-2 AND MANHOLE S-2.
   a. 2-3" CONDUIT TO SIGNAL MANHOLE.
   b. 2-4" CONDUIT TO SIGNAL MANHOLE.
   c. 2-6" CONDUIT TO POWER MANHOLE.
4. PROVIDE NEW 3-3" RIGID CONDUIT TO BUILDING 1 TO SIGNAL PULL BOX.
5. PROVIDE NEW 3-4" RIGID CONDUIT TO BUILDING 1 SIGNAL PULL BOX.
6. PROVIDE 2-6" RIGID CONDUIT TO BUILDING 1 POWER PULLBOX
7. PROVIDE NEW SIGNAL PULL BOX PER BICSI AND NEC STANDARD.
8. PROVIDE NEW POWER PULL BOX PER NEC STANDARD.
9. PROVIDE 2-4" CONDUIT WITH 1-1/4" INNER DUCT.
10. EXISTING MAIN IT ROOM 57.
11. EXISTING SIMPLEX/GRINNELL FIRE ALARM PANEL IN 15-1-F.
12. EXISTING DUKANE INTERCOM SYSTEM 105A (FIRST FLOOR).
13. NEW FIBER OPTIC CABLE (72SM, 24MM), TELEPHONE CABLE (100PR), FIRE ALARM FIBER (6MM), PAGING CABLE (2PR#14) TO IT ROOM, FIRE ALARM PANEL AND INTERCOM AS SHOWN.
14. PROVIDE 2 RUNS OF 3-350 kCMIL, 2-2 AWG EG IN 1-6" CONDUIT FOR EMERGENCY POWER TO BUILDINGS 3, 5, 6, AND 7 FROM NEW ATS IN ROOM 41.
15. PROVIDE NEW 400 AMP 277/480V ATS TO FEED EMERGENCY PANEL TO FEED BUILDINGS 3, 5, 6, AND 7 SEE DRAWING E-604.
16. PROVIDE A NEW PAD MOUNTED TRANSFORMER AND DISCONNECT TO FEED EXISTING 225A, 120/208V BUILDING 3 PANEL.
17. INTERCEPT EXISTING 480V, 500 KCMIL CABLE AND SPLICE INTO THE NEW EMERGENCY FEED COMING FORM BUILDING 1.
18. AFTER ALL NEW WORK IS COMPLETE AND TESTED, CUT EXISTING CONDUITS AND CAP 10' FEED FROM BUILDING AND 5 FEET FROM THE MANHOLE. SEAL ALL OPENINGS ON BOTH SIDES.
19. PROVIDE 1-3" CONDUIT AND 1-4" CONDUIT KNOCK OUT TO FEED FUTURE SHELTER
20. PROVIDE NEW 2-3" CONDUIT FROM SIGNAL MANHOLE S-2 TO SIGNAL MANHOLE S-3 TO SIGNAL MANHOLE S-4 TO SIGNAL MANHOLE S-5 WITH 3-1" INNER DUCT IN EACH FOR NEW FIBER CABLE, TELEPHONE CABLES, FIRE ALARM SEE E-501 FOR MORE INFO. DIRECT BORING IS ACCEPTABLE. COORDINATE WORK WITH EXISTING CONDITIONS.
21. INTERCEPT EXISTING FEEDER/CONDUIT TO EXISTING BUILDING 10 DURING CONSTRUCTION AND PROVIDE NEW CONDUIT TO NEW 2P-100A PANEL. PROVIDE NEW CABLE FROM EXISTING PANEL 'PP-1' IN BUILDING 6 TO NEW PANEL '10-LP-1' IN NEW BUILDING 10.
22. EXISTING 4" CONDUIT WITH CABLES SEE ES102 AND E-501 FOR MORE INFO.
23. PROVIDE NEW FEEDER, 2-10 AWG, 10 AWG EG, IN 1" CONDUIT TO EXISTING PANEL IN T6. VERIFY LOCATION. CONNECT TO EXISTING RECEPTACLES IN GAZEBO.
24. EXISTING LIGHT POLE, FIXTURE AND BASE TO REMAIN, CONTRACTOR SHALL PROTECT DURING CONSTRUCTION.
25. SEE DETAIL ES102/7 "A"
26. SEE DETAIL ES102/7 "B"
27. SEE DETAIL ES102/7 "C"

NORTH (ACTUAL)

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

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Approved: Project Director

Project Title: REPLACE MAIN ELECTRICAL TO OUT-BUILDINGS

Location: FORT WAYNE, IN

Date: 9/18/2015 | Checked: JKM | Drawn: NAC

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Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
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