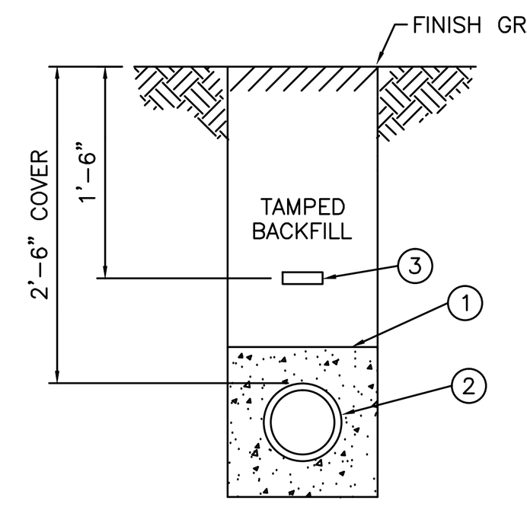
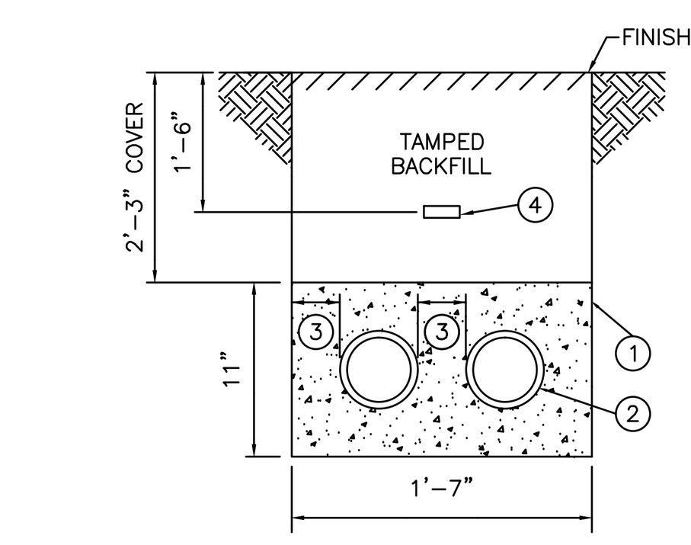


① 3000 LB. CONCRETE ENCASEMENT. 3" MIN. FROM OUTSIDE OF DUCT.

② SCHEDULE 40 PVC DUCT. SIZE AS NOTED ON PLANS.

③ RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

UNDERGROUND DUCT (A/S001)
SCALE: NONE



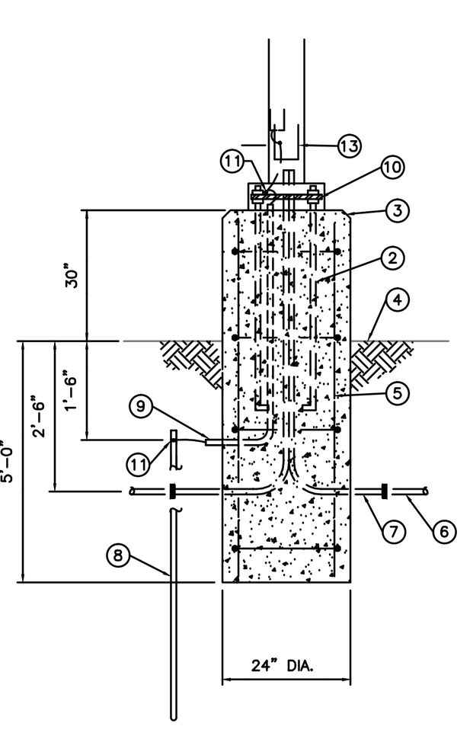
① 3000 LB. CONCRETE

② 4" I.D. DUCTS, SCHEDULE 40 PVC.

③ MIN. 3" SPACING BETWEEN CONDUITS AND MIN. 3" ENCASEMENT (TYPICAL). PROVIDE CONDUIT SPACERS 6'-0" O.C.

④ RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

UNDERGROUND DUCTS (B/S001)
SCALE: NONE



① SEE FIXTURE SCHEDULE FOR POLE AND FIXTURE ASSEMBLY.

② ANCHOR BOLTS BY POLE SUPPLIER, WELD TO REBARS

③ CHAMFERED EDGE

④ FINISH GRADE, COMPACT TO 95%.

⑤ SIX #4 REINFORCING BARS VERTICALLY ON #3 STIRRUPS AT 18" O.C.

⑥ PVC CONDUIT, SCHEDULE 40.

⑦ RIGID GALVANIZED STEEL CONDUIT.

⑧ GROUND ROD

⑨ 1/2" PVC GROUND CONDUCTOR SLEEVE WITH #8 GROUND CONDUCTOR.

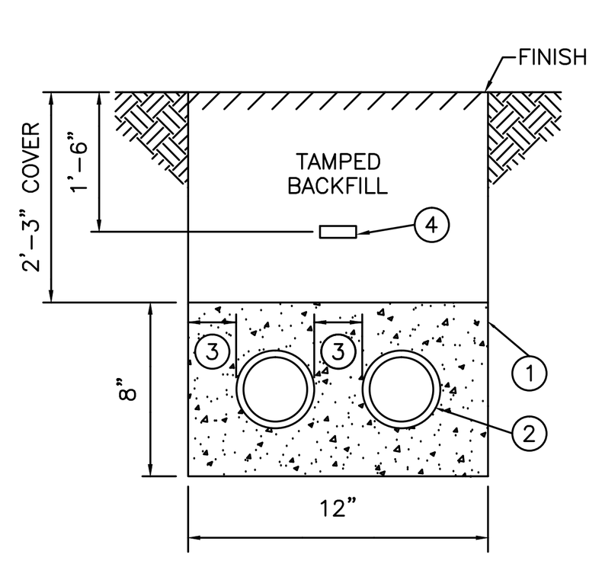
⑩ BASE PLATE, LEVELING NUTS, GROUT BASE.

⑪ EXOTHERMICALLY WELDED GROUND CONNECTION.

⑫ LIGHTNING ARRESTOR

⑬ HANDHOLE AND INLINE FUSING (REFER TO FIXTURE SCHED.)

TYPE I POLE BASE (C/S001)
SCALE: NONE



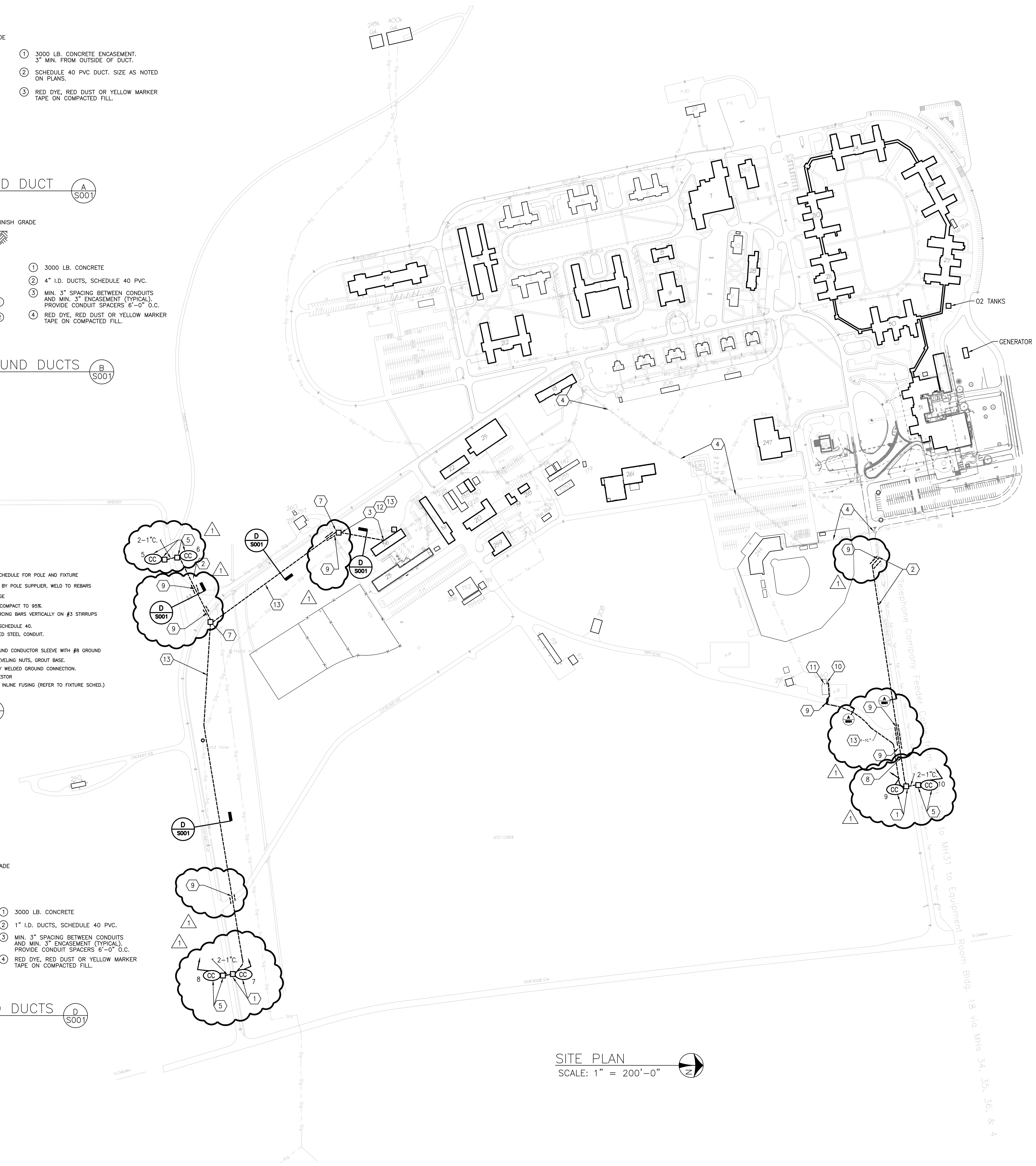
① 3000 LB. CONCRETE

② 1" I.D. DUCTS, SCHEDULE 40 PVC.

③ MIN. 3" SPACING BETWEEN CONDUITS AND MIN. 3" ENCASEMENT (TYPICAL). PROVIDE CONDUIT SPACERS 6'-0" O.C.

④ RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

UNDERGROUND DUCTS (D/S001)
SCALE: NONE



SITE PLAN
SCALE: 1" = 200'-0"

GENERAL NOTES

A. FIELD VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION WORK VIA UNDERGROUND UTILITY LOCATING SERVICES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT.

B. ALL CIRCUITRY IS SHOWN FROM AS-BUILT DRAWINGS. FOR REFERENCE ONLY. UPDATE ON AS BUILT DRAWINGS WHEN LOCATED.

C. PROVIDE ALL EXCAVATION, RIGGING, BACKFILL, GRADING, SEEDING, SURFACE RESTORATION, ETC. AS REQUIRED TO RETURN ALL WORK BACK TO ORIGINAL CONDITIONS.

⬡ PLAN NOTES

1. MOUNT NEW LICENSE PLATE RECOGNITION (LPR) CAMERA SYSTEM TO EXISTING SITE LIGHTING POLE. PROVIDE SECURITY PULLBOX AT BASE OF POLE FOR LOW VOLTAGE CAMERA POWER SUPPLY AND FIBER TRANSMITTER/RECEIVER. REFER TO DETAIL C/S-007.
2. EXTEND NEW 1" CONDUIT WITH 2 STRAND OM1 MULTIMODE FIBER FROM BASE MOUNTED PULLBOX, SURFACE MOUNTED TO BELOW GROUND AND EXTEND DIRECT BURIED TO EXISTING SIGNALS MANHOLE/HANDHOLE AS INDICATED.
3. EXTEND NEW OM1 6-STRAND FIBER CABLING FROM POLE MOUNTED CAMERAS THROUGH NEW SIGNALS DUCT BANK TO BUILDING 36 COMM ROOM. REFER TO BUILDING 36 PLANS FOR CONTINUATION.
4. EXTEND NEW OM1 FIBER CABLING FROM POLE MOUNTED CAMERAS THROUGH EXISTING SIGNALS DUCT BANK TO BUILDING 18 TELECOM ROOM. REFER TO BUILDING 18 PLANS FOR CONTINUATION.
5. PROVIDE NEW VA STANDARD SITE LIGHTING POLE AND CONCRETE POLE BASE FOR NEW ALPR CAMERA SYSTEM. MOUNT NEW LICENSE PLATE RECOGNITION (LPR) CAMERA SYSTEM TO NEW SITE LIGHTING POLE. UTILIZE BASE MOUNTED SECURITY PULLBOX FOR LOW VOLTAGE CAMERA POWER SUPPLY AND FIBER TRANSMITTER/RECEIVER. REFER TO DETAIL C/S-007.
6. PROVIDE 11"X18"X18" DP POLYMER OPEN BOTTOM PULLBOX (WITH COMMUNICATIONS LOGO COVER) FOR NEW FIBER CABLE ROUTING. STUB CONDUITS INTO PULLBOX.
7. PROVIDE 1-11"X18"X18"DP POLYMER OPEN BOTTOM PULLBOX (WITH COVER) FOR FIBER AND 1-11"X18"X18"DP POLYMER OPEN BOTTOM PULLBOX (WITH COVER) FOR POWER. CUSTOM ENGRAVE EACH COVER TO READ "FIBER" AND "ELECTRIC" RESPECTIVELY. STUB EACH 1" CONDUIT INTO RESPECTIVE PULLBOX.
8. 1" POWER CONDUIT SHALL RISE UP IN POLE BASE.
9. SAW CUT EXISTING ASPHALT DRIVE TO ALLOW FOR DUCTBANK TRENCHING. PATCH AND REPAIR TO MATCH EXISTING CONDITIONS.
10. ENTER EXISTING HOUSE THRU CRAWLSPACE/BASEMENT TO ACCESS EXISTING PANEL.
11. EXISTING PANEL PB LOCATED IN BASEMENT.
12. RUN NEW POWER CIRCUIT THRU CRAWL SPACE UP INTO EXISTING PANEL. CIRCUIT TO 20A/1P BREAKER IN PANEL. UTILIZE SPARE BREAKER WHERE AVAILABLE. IF SPARE BREAKER IS NOT AVAILABLE VERIFY EXISTING BREAKER LOADING AND COMBINE CIRCUITS AS REQUIRED.
13. RUN 2-#8, #8 GRD.

100% SUBMITTAL

Revisions	Date

ENGINEER:
Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com
PROJECT NO. 2011-04034 FIRM LICENSE NO. 01528

STATE OF OHIO — JOHN A. BLACK 49341 — REGISTERED PROFESSIONAL ENGINEER

ARCHITECT
JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO
45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: FULL SITE PLAN

Approved: Project Director

Project Title: INSTALL ELECTRONIC SECURITY ACCESS SYSTEM

Location: CHILLICOTHE, OHIO

Date	Checked	Drawn
12/14/2012	MSG	JDK

Project No. VA Project No. 538-13-100

Building Number: S-SITE

Drawing Number: S-001

Dwg. 2 of 79

Office of Construction and Facilities Management

Department of Veterans Affairs