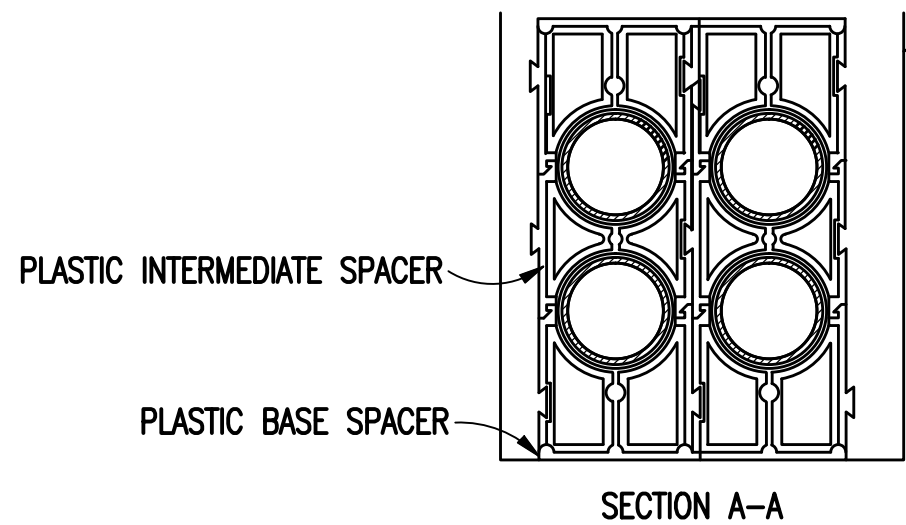
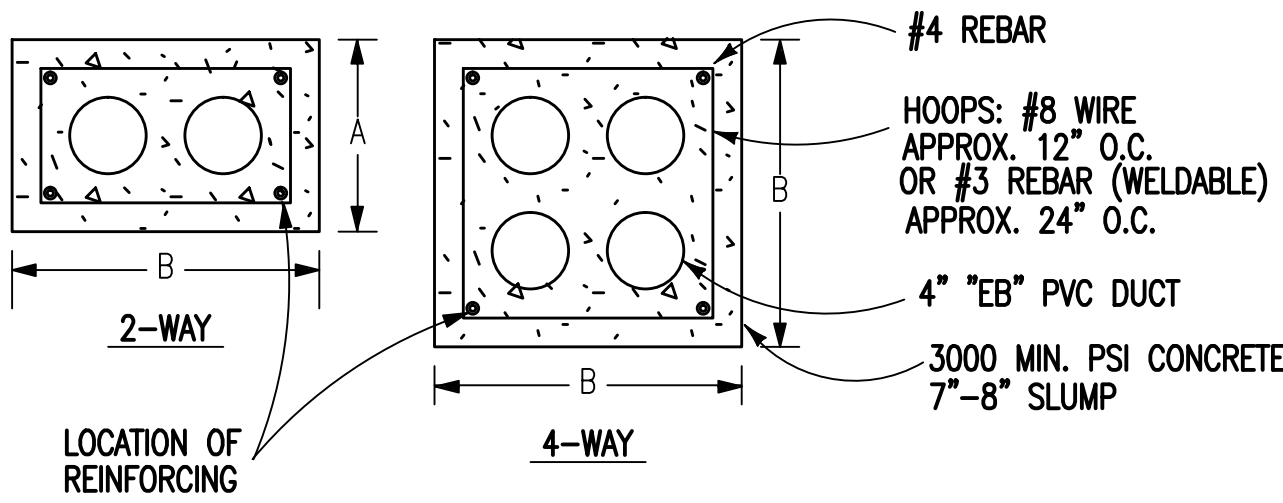


SEE GENERAL NOTES: TRENCH, NOTE C



- GENERAL NOTES**
(THIS DETAIL ONLY)
- SIDES OF TRENCH TO BE PROPER WIDTH AND TRIMMED SMOOTH TO ALLOW A MINIMUM OF 3 INCHES SPACE BETWEEN SIDE OF TRENCH AND OUTSIDE OF DUCT FOR CONCRETE.
 - BOTTOM OF TRENCH TO BE GRADED SMOOTH AND SLOPED AS SHOWN ON THE DUCT LINE AND MANHOLE CONSTRUCTION DRAWINGS.
 - INSTALL BASE SPACER SO AS TO PROVIDE 3 INCHES SPACE BETWEEN BOTTOM OF TRENCH AND BOTTOM ROW OF DUCTS FOR CONCRETE.

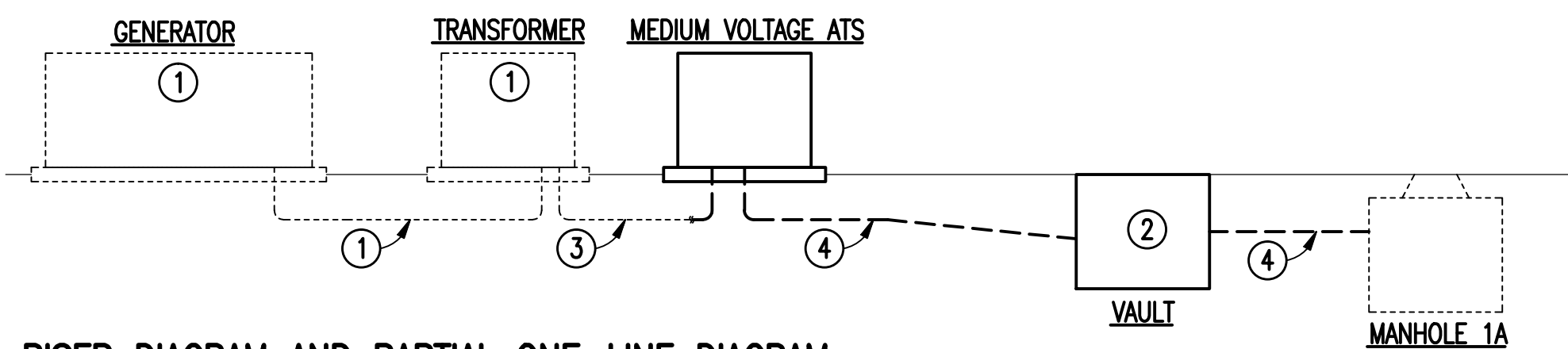
METHOD OF ASSEMBLING DUCTS IN TRENCH
SCALE: NONE



AT DUCT ENTRANCES TO MANHOLE OR VAULTS, DUCT TO DUCT SHALL HAVE 3\"/>

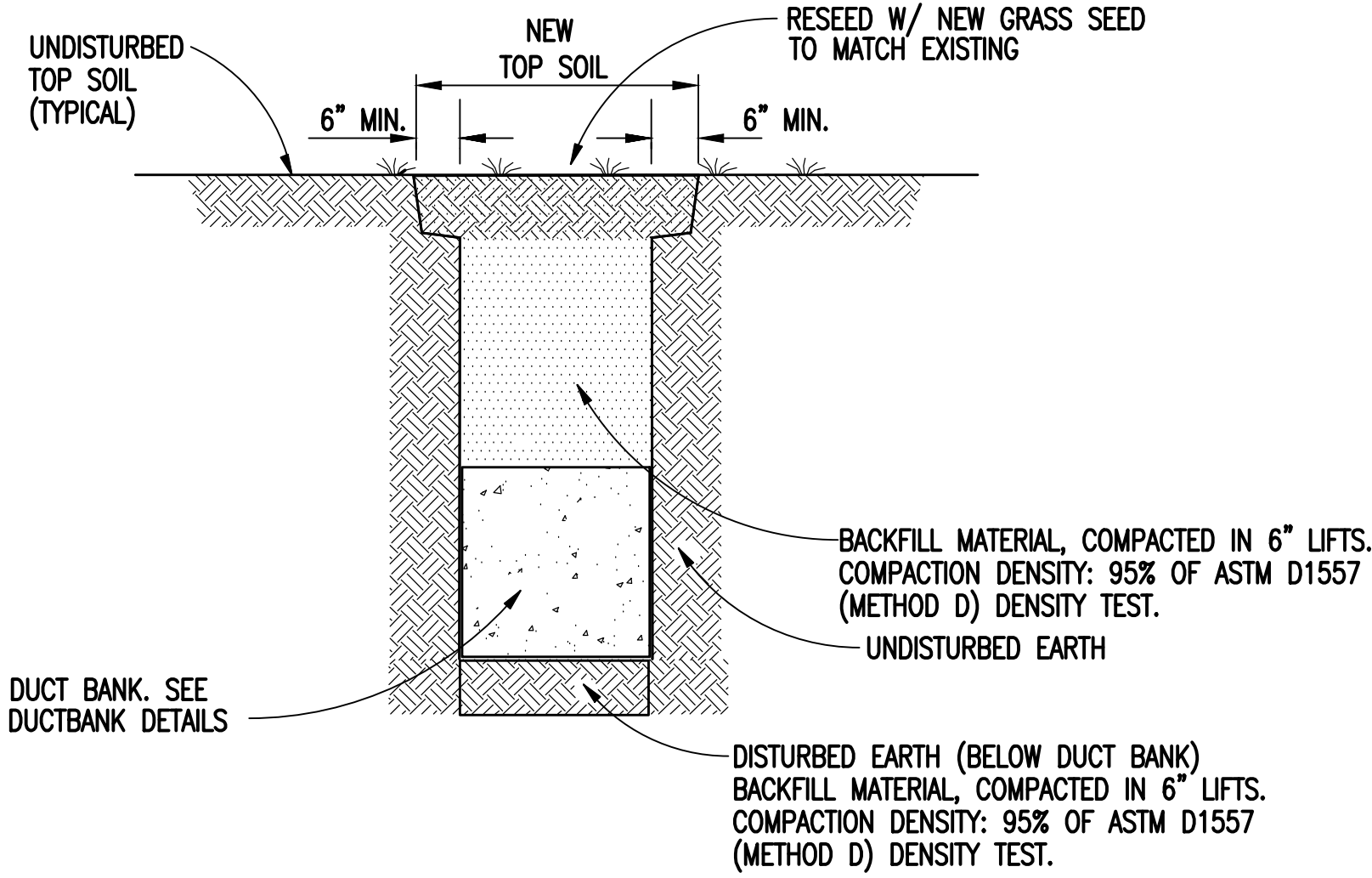
TYPICAL REINFORCING & DIMENSIONS CONCRETE ENCASED DUCT BANK
SCALE: NONE

MIN. DIM.
A 10 1/2"
B 17"



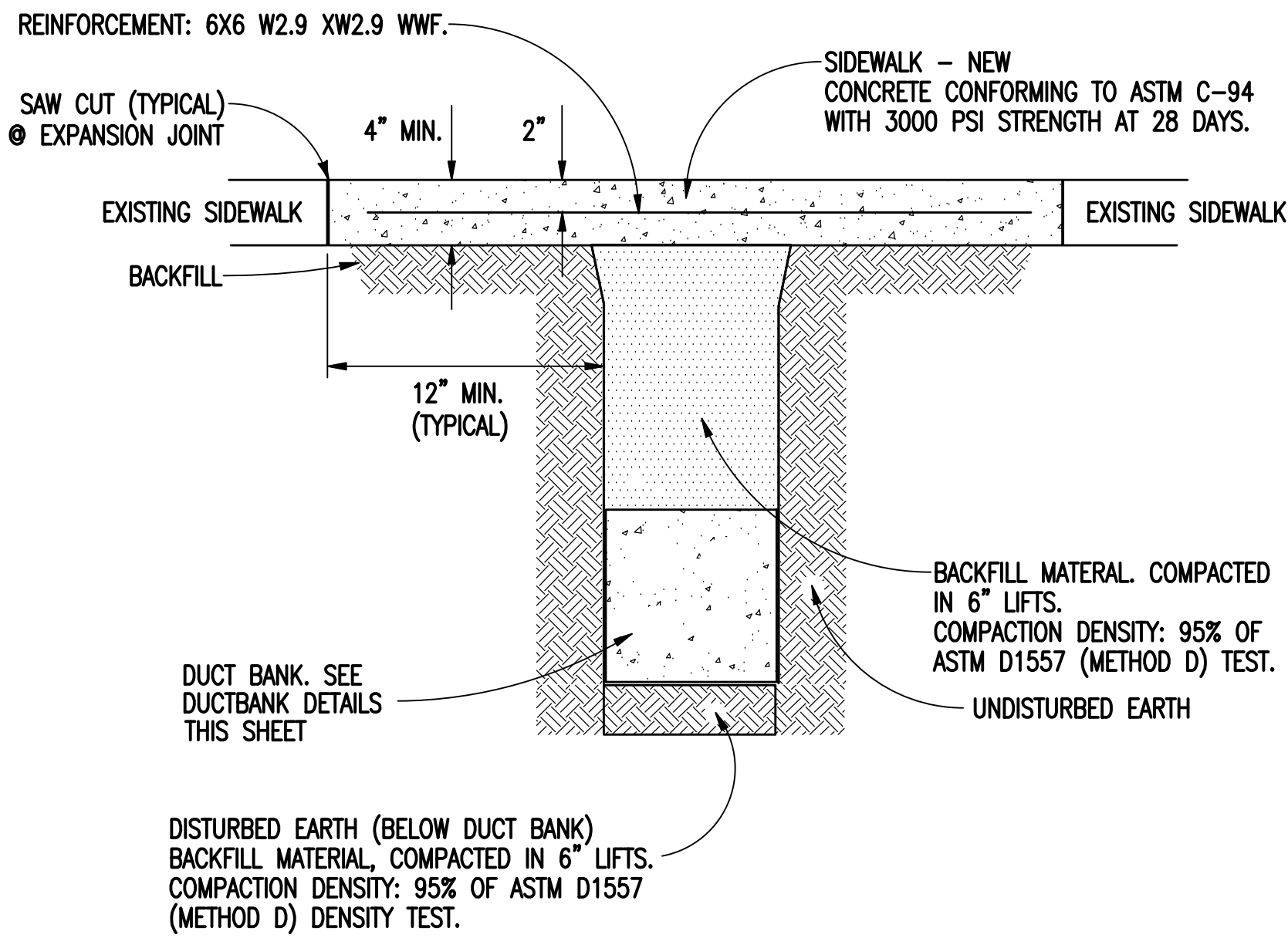
RISER DIAGRAM AND PARTIAL ONE-LINE DIAGRAM
SCALE: NONE

- GENERATOR, TRANSFORMER, AND CABLING BETWEEN TO BE COMPLETED AS A SEPARATE PROJECT BY OTHERS.
- SEE VAULT DETAIL, SHEET E1.1. SEE SHEET E3.1 FOR LOCATION.
- PROVIDE 3#500KCMIL CU, 15KV CABLE WITH 1#XHHW, 600V NEUTRAL IN EXISTING/NEW CONDUIT FROM PRIMARY CONNECTION IN EXISTING 2500KVA TRANSFORMER.
- PROVIDE 2 SETS:3#500KCMIL CU, 15KV CABLE WITH 1#XHHW, 600V NEUTRAL. ONE SET TO BE INSTALLED FROM NORMAL POWER CONNECTION IN ATS, TO NEW SPLICE IN MANHOLE 1A. SECOND SET IS TO BE INSTALLED FROM LOAD SIDE OF ATS TO NEW SPLICE IN MANHOLE 1A. SEE ONE-LINE DIAGRAM, THIS SHEET. SEE MANHOLE 1A NEW WORK THIS SHEET.



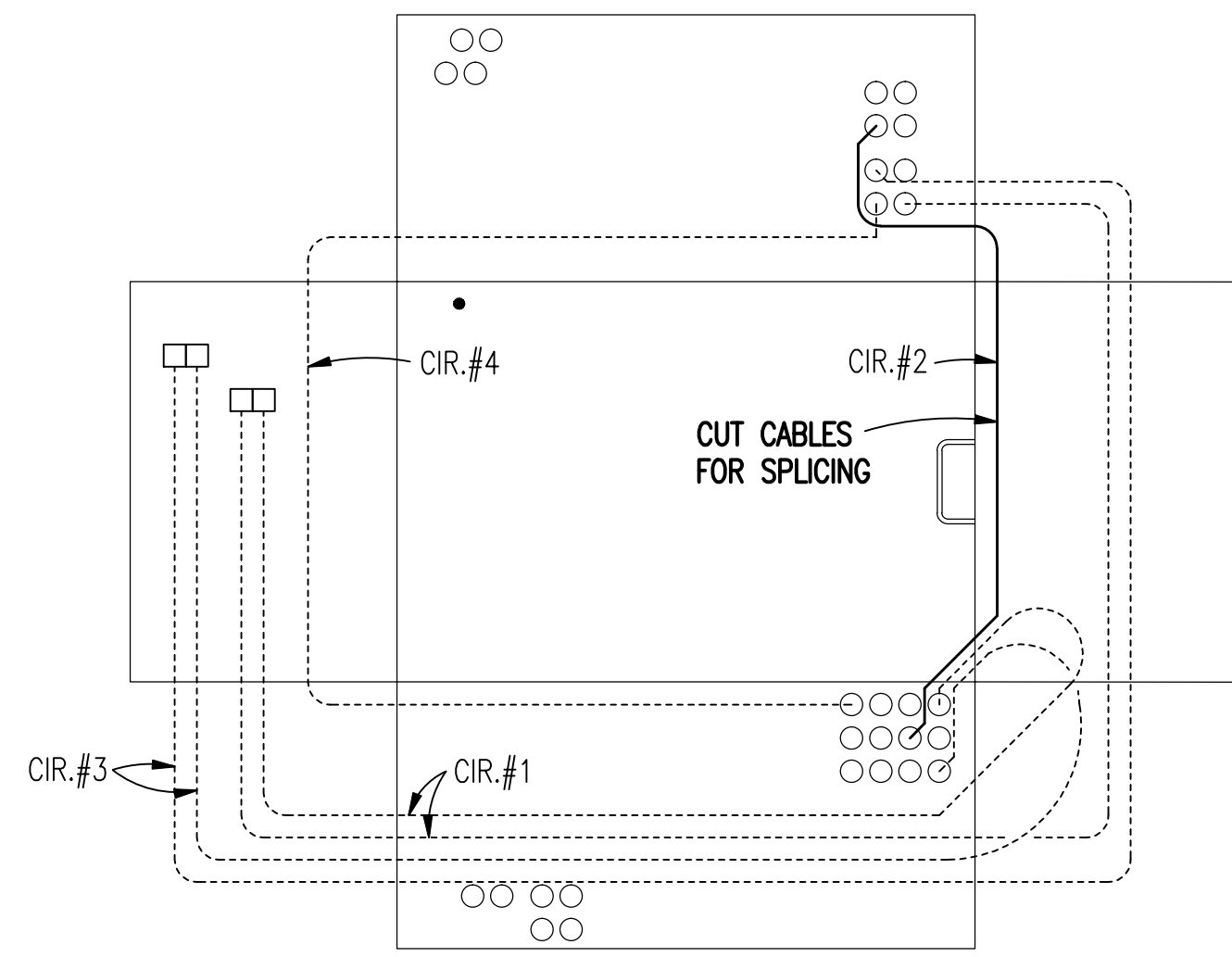
- GENERAL NOTES:**
(THIS DETAIL ONLY)
- SEE GENERAL NOTES - TRENCH, THIS SHEET

TOPSOIL REPLACEMENT DETAIL
SCALE: NONE



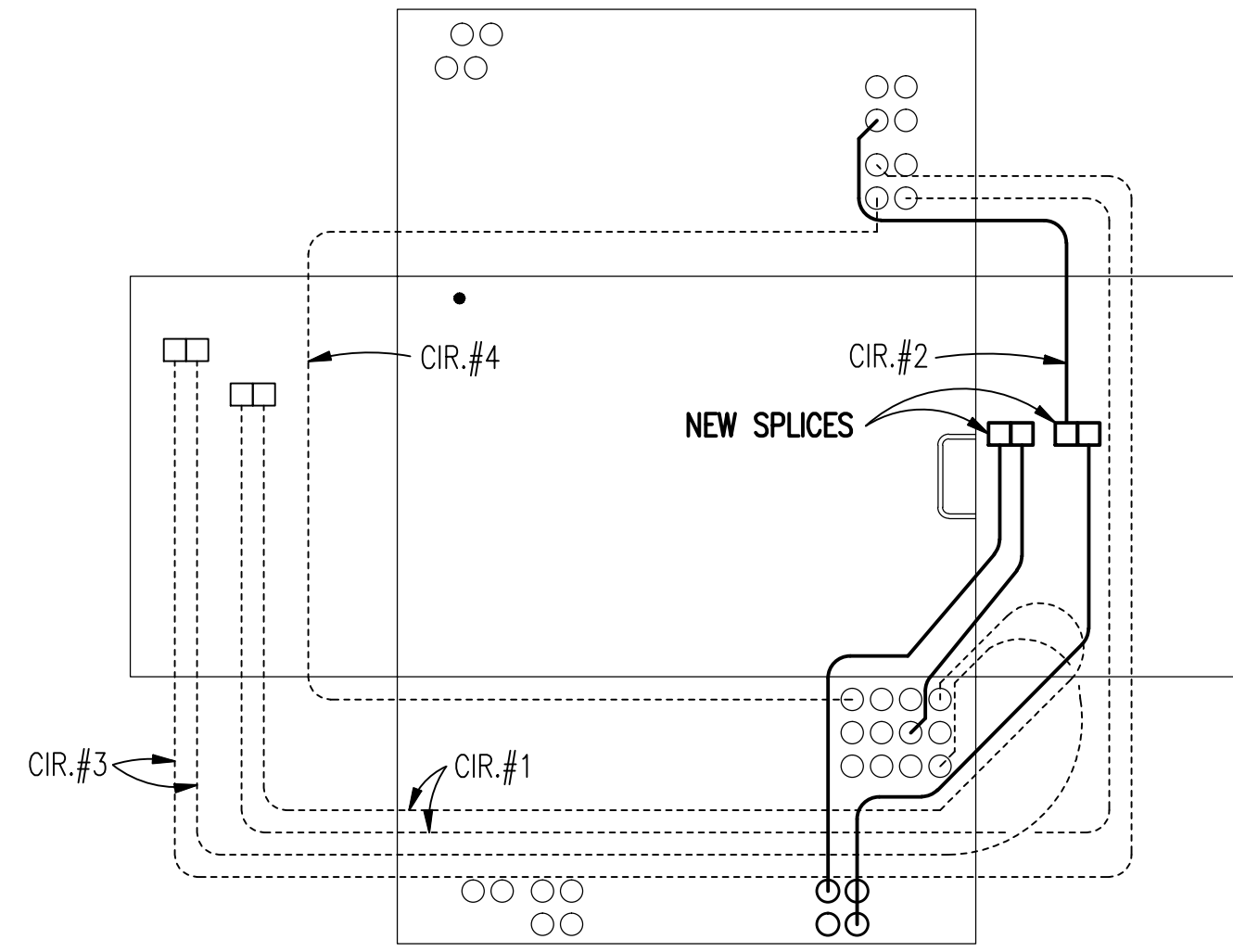
- GENERAL NOTES:**
(THIS DETAIL ONLY)
- CONTROL JOINTS: CUT 1/4\"/>
 - NEW TO EXISTING JOINT: COAT EXISTING CONCRETE WITH EPOXY RESIN MEETING THE REQUIREMENTS OF ASTM C881 TYPE II GRADE 2.
 - SEE GENERAL NOTES - TRENCH, THIS SHEET.
 - FINISH OF SIDEWALK PATCH TO MATCH EXISTING.

SIDEWALK REPAIR DETAIL
SCALE: NONE



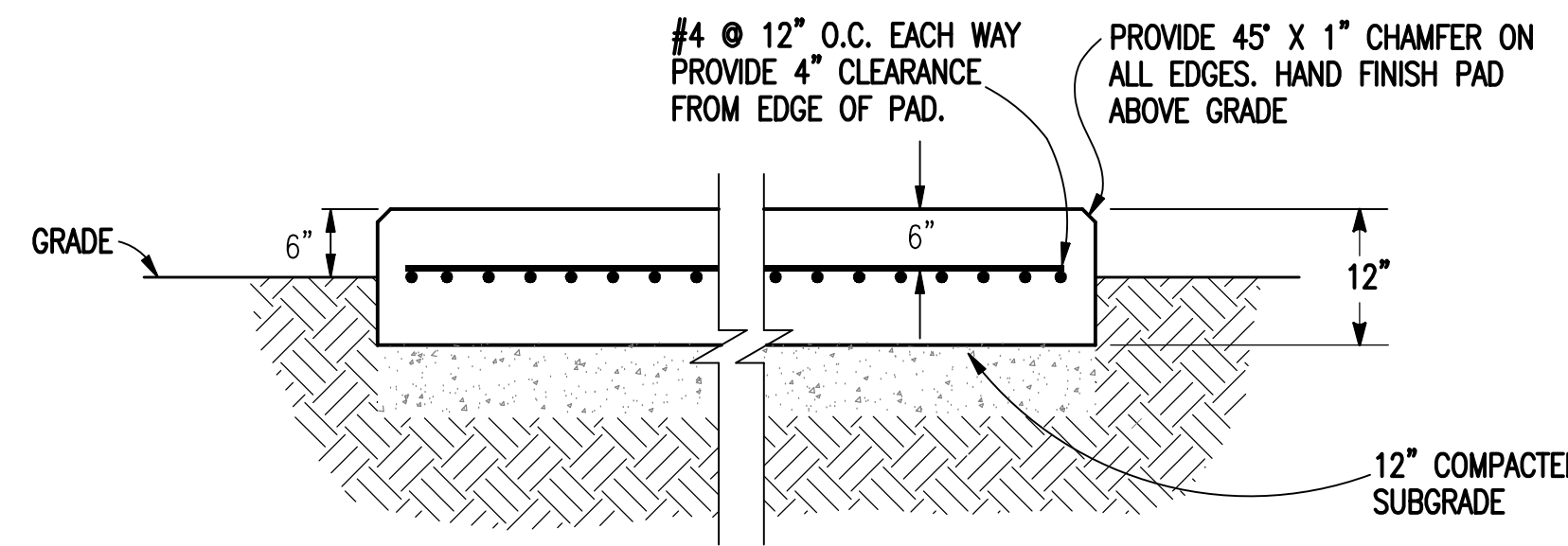
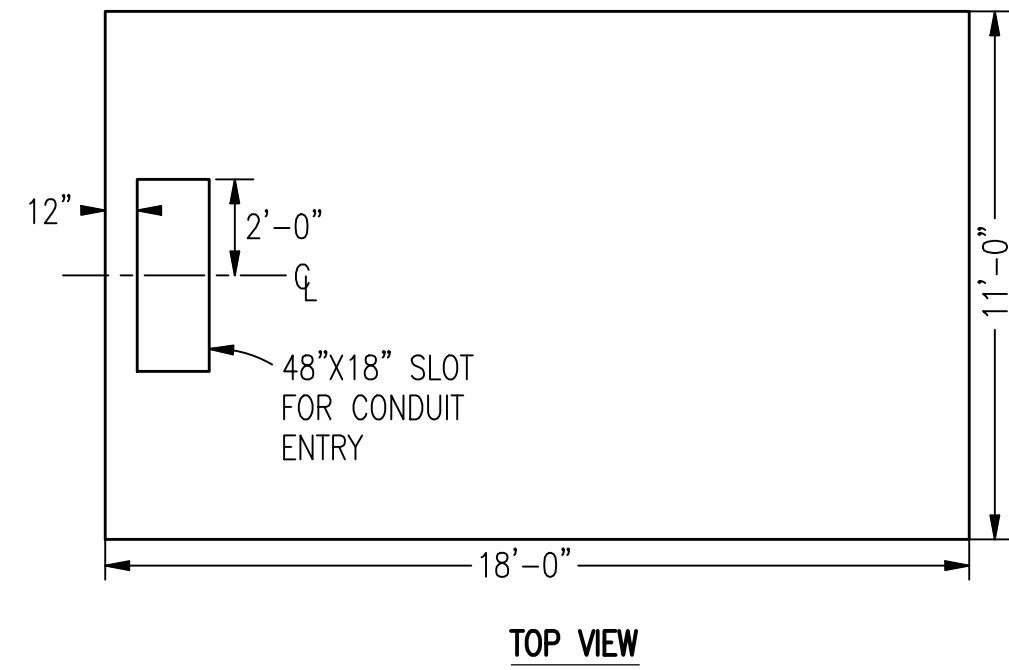
DEMOLITION MANHOLE 1A
SCALE: NONE

ALL CIRCUITS IN MANHOLE ARE 3#500KCMIL, 15KV, CU TAPE SHIELD CABLE WITH #4/0 XHHW, 600V NEUTRAL. SEE ONE-LINE DIAGRAM, THIS SHEET.



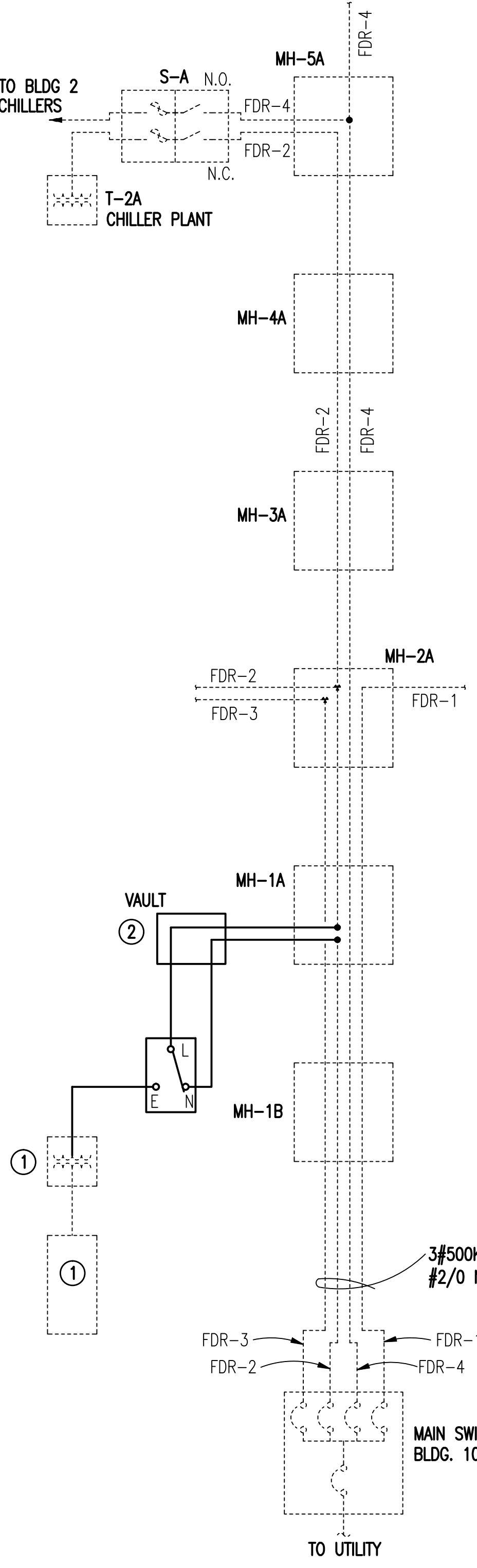
NEW WORK MANHOLE 1A
SCALE: NONE

ALL CIRCUITS IN MANHOLE ARE 3#500KCMIL, 15KV, CU TAPE SHIELD CABLE WITH #4/0 XHHW, 600V NEUTRAL. SEE ONE-LINE DIAGRAM, THIS SHEET.

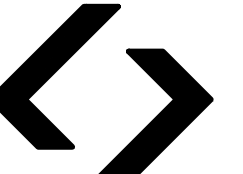



- GENERAL NOTES:**
(TRANSFER SWITCH PAD DETAIL ONLY)
- CONCRETE SHALL BE 3000 PSI @ 28 DAYS.

TRANSFER SWITCH PAD DETAIL
SCALE: NONE



PARTIAL ONE-LINE DIAGRAM
SCALE: NONE

Revisions	Date	 APPLIED ENGINEERING SOLUTIONS, INC. 440 Martin Luther King, Jr. Blvd., Suite 101A Macon, Georgia 31201 (478) 314-1270 www.aes-pe.com				Drawing Title DETAILS ELECTRICAL Approved Project Director FINAL SUBMITTAL	Project Title CONNECT 500 TON CHILLER TO EES Building Number Checked GSW Drawn SJB Location CARL VINSON VA MEDICAL CENTER DUBLIN, GEORGIA	Date January 27 2012 Project No. 557-09-109 Drawing No. E1.2 Dwg. 3 Of 4	TECHNICON ENGINEERS/ARCHITECTS MACON & ATLANTA Veterans Administration
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