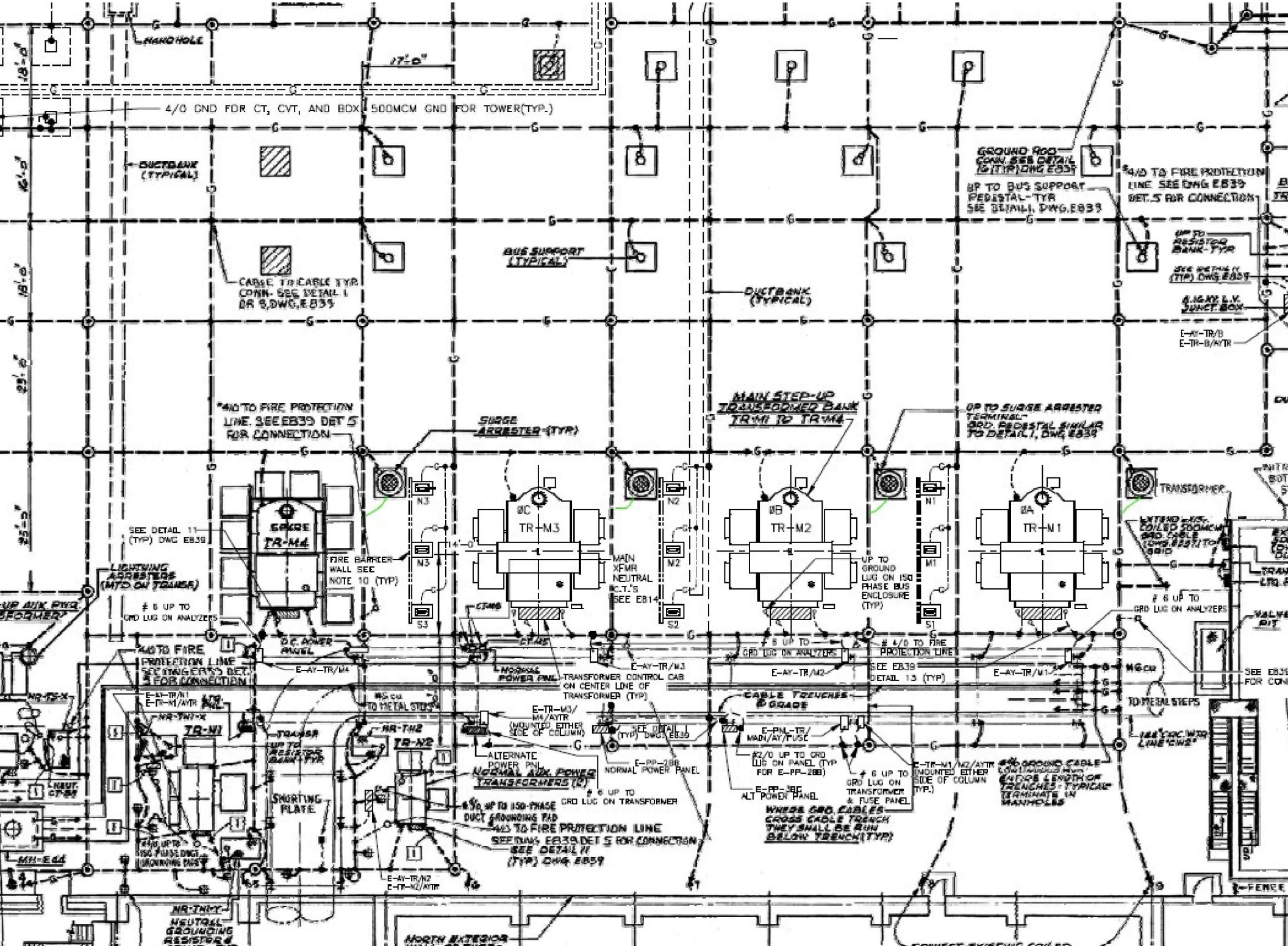
HANDHOLE
17'-0"
4/0 GND FOR CT, CVT, AND BDX, 500MCM GND FOR TOWER(TYP.)
DUCTBANK (TYPICAL)
BUS SUPPORT (TYPICAL)
CABLE TR CABLE TYP CONN. SEE DETAIL 1 OR 5, DWG. E839
DUCTBANK (TYPICAL)
GROUND ROD CONN. SEE DETAIL 6 (TYP) DWG E839
UP TO BUS SUPPORT PEDESTAL-TYP SEE DETAIL, DWG. E839
#4/0 TO FIRE PROTECTION LINE SEE DWG E839 DET. 5 FOR CONNECTION
UP TO RESISTOR BANK-TYP
SEE DETAIL 11 (TYP) DWG E839
4.16 KV L.V. JUNCT. BOX
E-AY-TR/B
E-TR-B/AYTR
#4/0 TO FIRE PROTECTION LINE. SEE E839 DET 5 FOR CONNECTION
SURGE ARRESTER (TYP)
MAIN STEP-UP TRANSFORMER BANK TR-M1 TO TR-M4
UP TO SURGE ARRESTER TERMINAL- GRD. PEDESTAL SIMILAR TO DETAIL 7, DWG E839
TRANSFORMER
SPARE TR-M4
ØC TR-M3
ØB TR-M2
ØA TR-M1
N3
N2
N1
M3
M2
M1
S3
S2
S1
14'-0"
SEE DETAIL 11 (TYP) DWG E839
FIRE BARRIER WALL SEE NOTE 10 (TYP)
MAIN XFMR NEUTRAL C.T.'S SEE E814
UP TO GROUND LUG ON 15Ø PHASE BUS ENCLOSURE (TYP)
EXTEND EXIST. CO/LED COUNTER GRD. CABLE (LONG. E839) TO GRID
LIGHTNING ARRESTERS (MTD ON TRANSF)
# 6 UP TO GRD LUG ON ANALYZERS
# 6 UP TO GRD LUG ON ANALYZERS
# 6 UP TO GRD LUG ON ANALYZERS
VALVE PIT
#4 TO FIRE PROTECTION LINE SEE DWG E839 DET 5 FOR CONNECTION
D.C. POWER PANEL
E-AY-TR/M4
E-AY-TR/M3
E-AY-TR/M2
E-AY-TR/M1
#4/0 TO FIRE PROTECTION LINE SEE E839 DETAIL 13 (TYP)
NORMAL POWER PNL
TRANSFORMER CONTROL CAB ON CENTER LINE OF TRANSFORMER (TYP)
CABLE TRENCHES @ GRADE
MG CU TO METAL STEPS
MG CU
TO METAL STEPS
SEE E839 FOR CONN
E-AY-TR/N1
E-TR-M1/AYTR
AUX. PNL
NR-TN1-X
NR-TN2-X
TR-N1
TR-N2
TRANSF
UP TO RESISTOR BANK-TYP
E-TR-M3/M4/AYTR (MOUNTED EITHER SIDE OF COLUMN)
SEE DETAIL 1 (TYP) DWG E839
E-PP-2BB NORMAL POWER PANEL
E-PNL-TR/MAIN/AY/FUSE
#2/0 UP TO GRD LUG ON PANEL (TYP FOR E-PP-2BB)
E-PP-3BB ALT POWER PANEL
# 6 UP TO GRD LUG ON TRANSFORMER & FUSE PANEL
E-TR-M1/M2/AYTR (MOUNTED EITHER SIDE OF COLUMN TYP.)
#4/0 GROUND CABLE (UNINSULATED) AT BOTH ENDS OF LENGTH OF TRENCHES - TYPICAL (TERMINATE IN MANHOLES)
144" DIAM. WTR LINE (EWS)
ALTERNATE POWER PNL
NORMAL AUX. POWER TRANSFORMERS (2)
SHORTING PLATE
#4/0 UP TO 150 PHASE DUCT GROUNDING PAD
#4/0 TO FIRE PROTECTION LINE SEE DWG E839 DET 5 FOR CONNECTION
SEE DETAIL 11 (TYP) DWG E839
E-AY-TR/N2
E-TR-N2/AYTR
NR-TN1-Y
NEUTRAL GROUNDING RESISTOR
MH-E44
NORTH EXTERIOR
FENCE