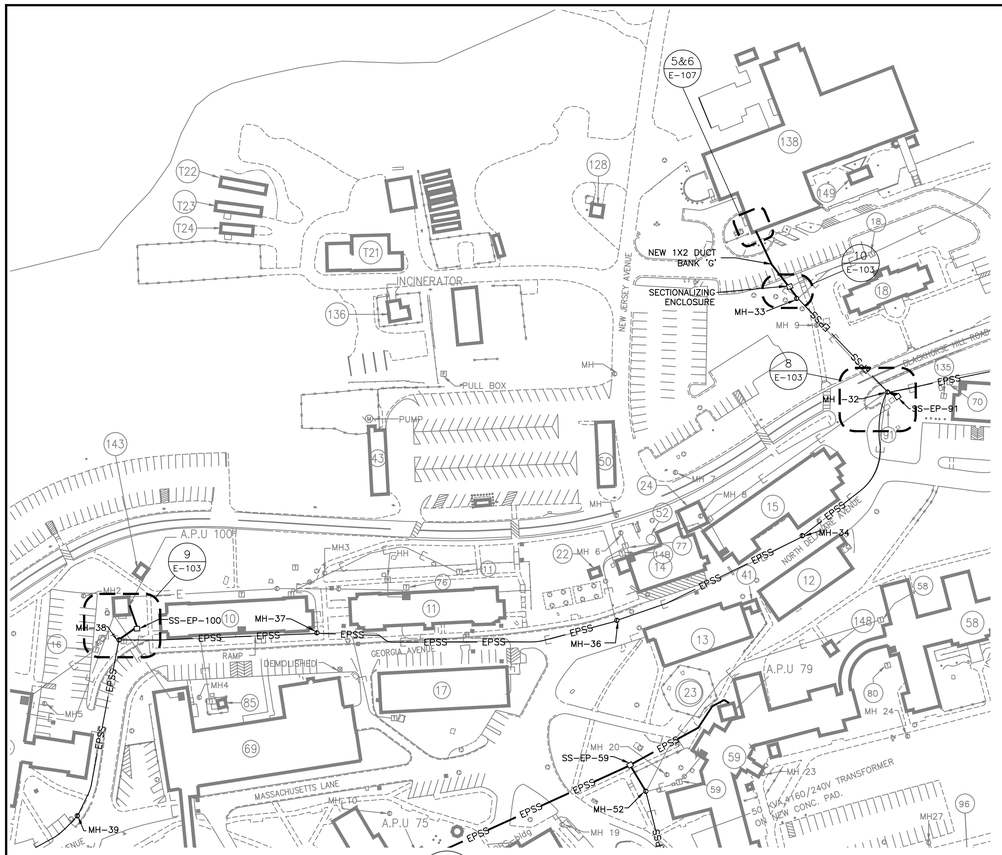


1 E-103 EPSS MV ROUTING PLAN - NORTH QUADRANT

SCALE: 1" = 80'-0"

TRENCHING:

1. TRENCHES SHALL BE COVERED AFTER WORKING HOURS, AND SHALL BE BARRICADED AND MANNED PER OSHA STANDARDS WHILE NOT COVERED.
2. ON TRENCHES ACROSS ROADS, MAINTAIN STEEL PLATES ACROSS HALF THE ROAD DURING CONSTRUCTION TO MINIMIZE IMPACT ON TRAFFIC.
3. PROVIDE FLAGMEN TO DIRECT TRAFFIC DURING TIMES WHEN TRAFFIC FLOW IS IMPAIRED.

NOTE:

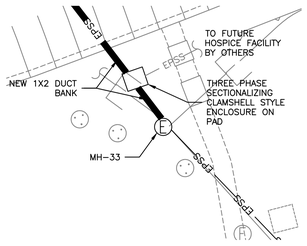
1. SEE MEDIUM VOLTAGE CABLE INSTALLATION, UNDERGROUND ELECTRICAL, AND RACEWAY NOTES ON E-102.

VAULT LEGEND

52-EP-H — CIRCUIT ASSIGNMENT

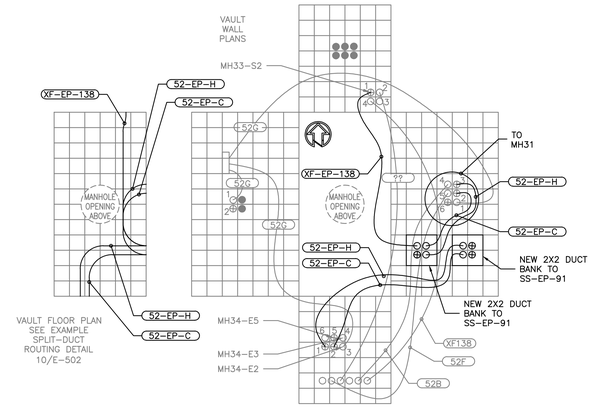
MH40-E3
- DUCT NUMBER
- WALL IDENTIFICATION (NORTH, SOUTH, EAST, WEST)
- DESTINATION VAULT IDENTIFICATION (MANHOLE NUMBER)

CONDUIT FILL SCHEDULE	
TAG	DESCRIPTION
52-EP-A	(3) 2 AWG 15kV, 2 AWG EG, 4" CONDUIT
52-EP-C	(3) 2 AWG 15kV, 2 AWG EG, 4" CONDUIT
52-EP-G	(3) 2 AWG 15kV, 2 AWG EG, 4" CONDUIT
52-EP-H	(3) 2 AWG 15kV, 2 AWG EG, 4" CONDUIT
UNLESS OTHERWISE NOTED, MV CIRCUITS SHALL BE (3) 2 AWG 15kV, 2 AWG EG, IN 4" CONDUIT.	



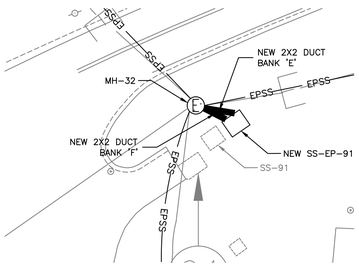
10 E-103 EPSS MV MH-33

SCALE: 1" = 20'



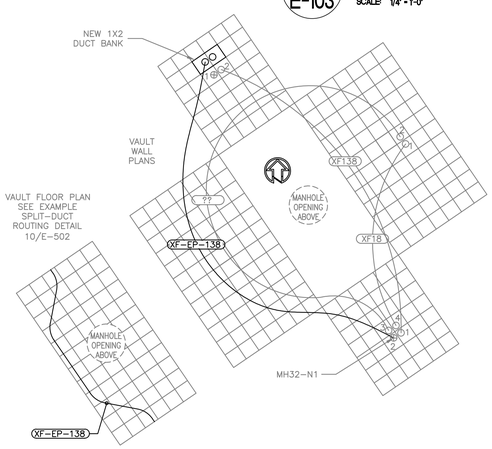
2 E-103 MH 32 VAULT DETAIL

SCALE: 1/4" = 1'-0"



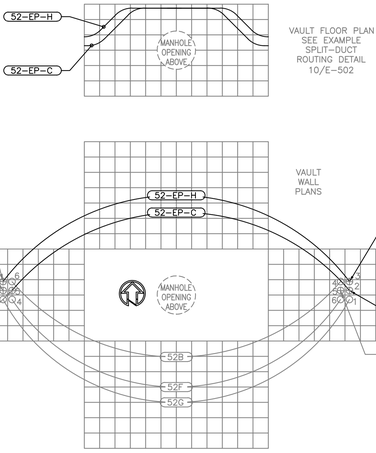
8 E-103 EPSS MV SS-EP-91

SCALE: 1" = 20'



3 E-103 MH 33 VAULT DETAIL

SCALE: 1/4" = 1'-0"

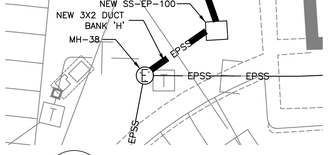


4 E-103 MH 34 VAULT DETAIL

SCALE: 1/4" = 1'-0"

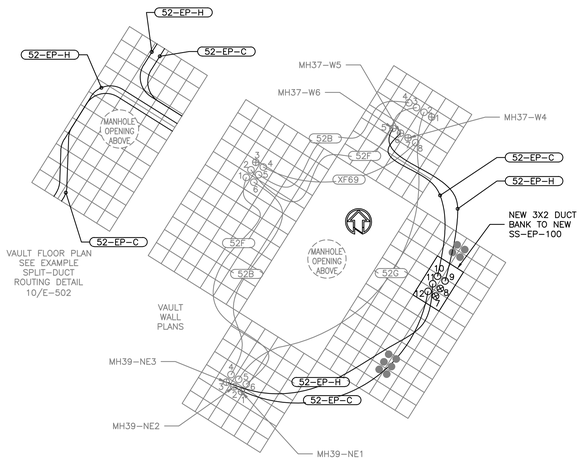
KEY PLAN

SCALE: NTS



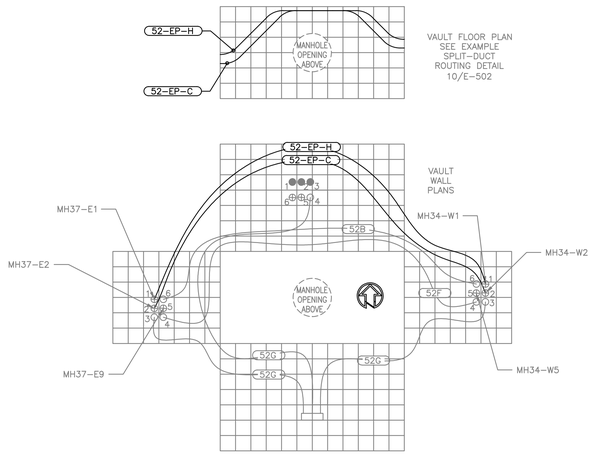
9 E-103 EPSS MV SS-EP-100

SCALE: 1" = 20'



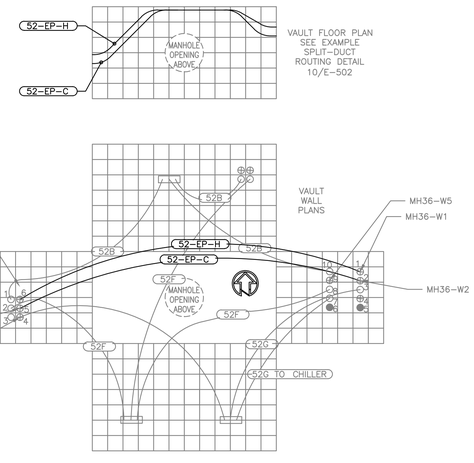
7 E-103 MH 38 VAULT DETAIL

SCALE: 1/4" = 1'-0"



5 E-103 MH 36 VAULT DETAIL

SCALE: 1/4" = 1'-0"



6 E-103 MH 37 VAULT DETAIL

SCALE: 1/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS

Revisions	Date

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LandDesign

Professional Stamp/Seal

Drawing Title: **EMERGENCY POWER SUPPLY SYSTEM (EPSS) MEDIUM VOLTAGE (MV) ROUTING PLAN & DETAILS - NORTH QUADRANT**

Project Title: COATESVILLE - VA MEDICAL CENTER A/E INSTALL EMERGENCY GENERATOR

Date: 9/23/11

Project No.: 542-11-104

Drawn: DJR/NAC

Checked: JMB/JDC

Building Number: ---

Location: COATESVILLE, PENNSYLVANIA

DRAWING No.: E-103 Dwg. 4 Of 16

VA