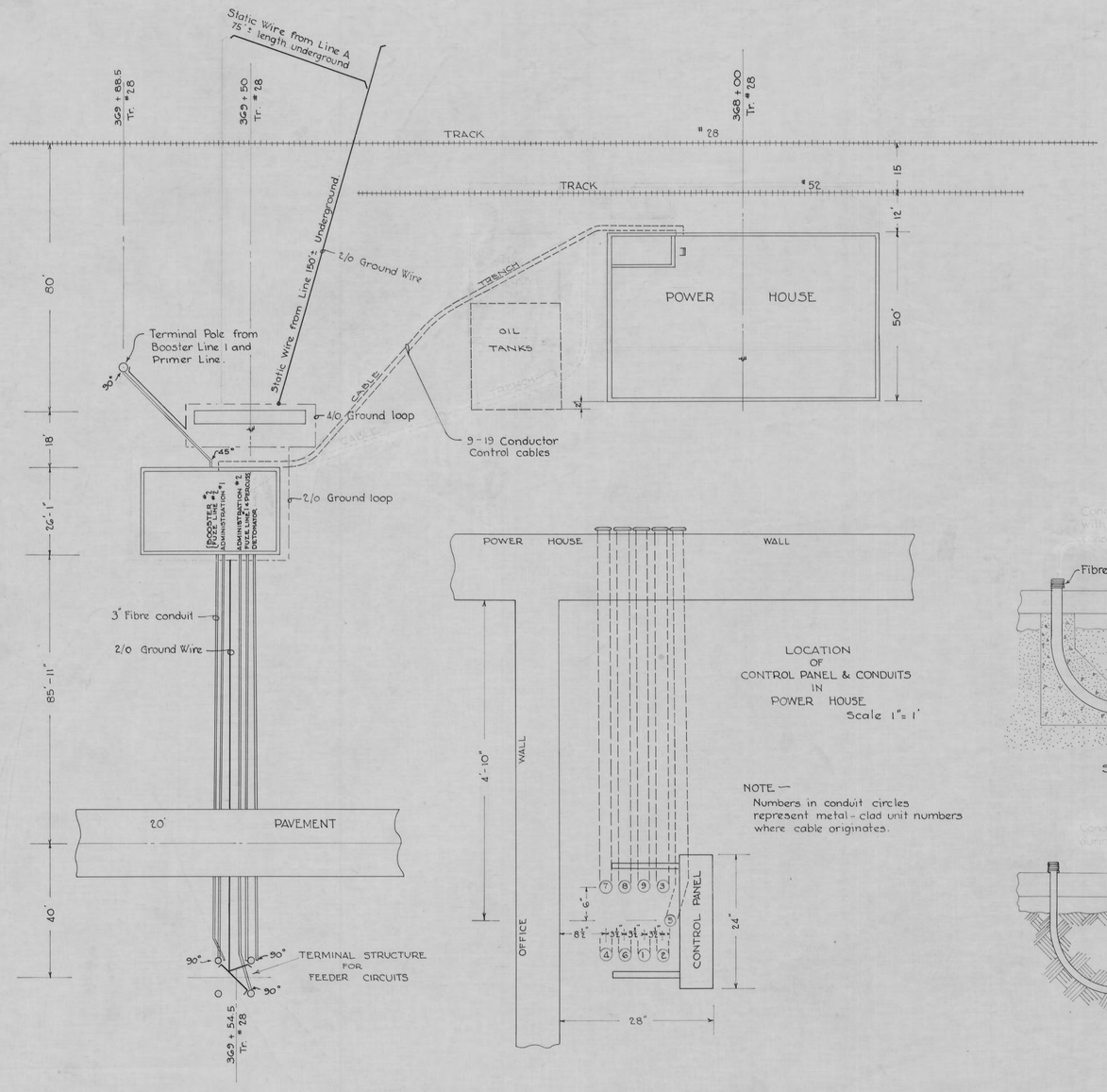


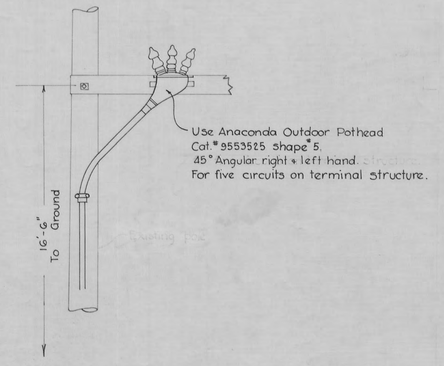
LAYOUT
OF
UNDERGROUND FEEDER & CONTROL CONDUITS
Scale 1" = 20'

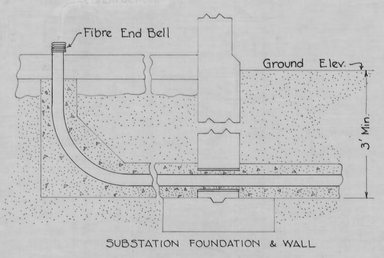
LOCATION
OF
CONTROL PANEL & CONDUITS
IN
POWER HOUSE
Scale 1" = 1'

NOTE —
Numbers in conduit circles represent metal-clad unit numbers where cable originates.

NOTES:—

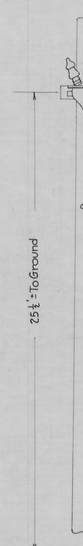
All feeder cables Anaconda, 3 conductor, belted type, lead covered, rated 5,000 volts - Cat.# 3640602, or #3640633.
All fibre conduits, for feeder circuits 3" Orangeburg standard with Harrington joint.
All steel conduits on terminal structures galvanized
All ground cables for neutral & grounding net have soft stranded copper.
Use Kearney connectites for all connections - Use 2 connectors where two neutrals join or where neutral joins ground net.
Ground cables laid in trenches
Ground cabe connected to ground wires from terminal structure.
Feeder cables connected to circuits on poles.
Fibre conduits encased in concrete at least 4" thick each side.
Ends of conduit plugged tightly during construction.
For location & dimensions inside switchouse — see Dwg. 1152.502
For balance of ground net — See Dwg 1152.502

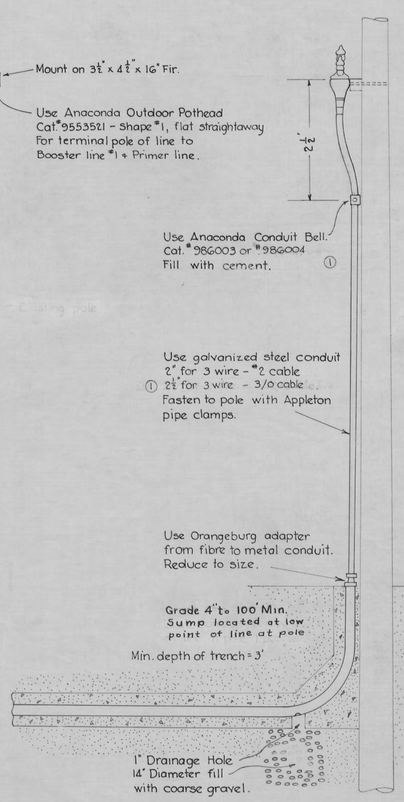


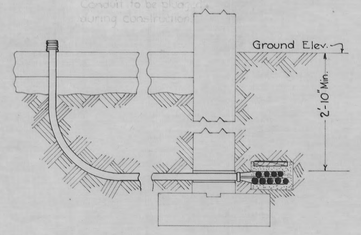


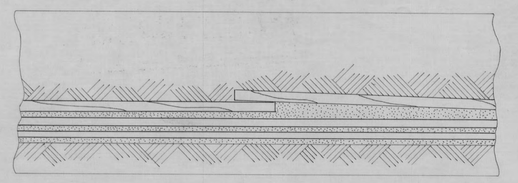
SUBSTATION FOUNDATION & WALL

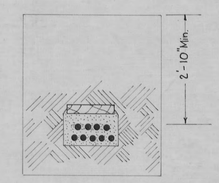
TYPICAL TRENCH DETAILS
FOR
FIBRE DUCT
Scale ½" = 1 Ft.











TYPICAL TRENCH DETAILS
FOR
CONTROL CABLES
Scale ½" = 1 Ft.

NOTE —
cables are in sand 1" apart, in 2 layers, with 2" of sand below bottom layer and 2" of sand above top layer.
Covered with 2"x14" planks with lapped joints

DRAWING REVISED PER FIELD SURVEY
DATE 11 MAY 1955
CONTRACT NO. DA-11-173-ORD-65
TRYGVE HOFF & ASSOCIATES
REV. BY A.J.T. CHK'D BY A.F.M.

Approved:

REVIEWED — NO REVISION
DATE JANUARY 7, 1972
RAVENNA ARMY AMMUNITION PLANT
REV. BY P.C.B. CHK'D. BY D.J.

S.W. Boone 4/22/41
ATLAS POWDER CO.

WILBUR WATSON AND ASSOCIATES
ARCHITECTS AND ENGINEERS
Cleveland, Ohio
Ravenna, Ohio

SCALE: As Shown

REVISIONS:
1 CONDUIT INFO ADDED 8-7-41
2 REVISED CHANGES 2-20-42
3 TRUFF & ASSOC. 5/55

CONSTRUCTION DIVISION
OFFICE OF THE QUARTERMASTER GENERAL
RAVENNA ORDNANCE PLANT
WEST SUB STATION
UNDERGROUND FEEDER & CONTROL LAYOUT
PLOT PLAN

DRAWN BY	CHECKED BY	APPROVED BY DIRECTION	DATE
H.W.D.	H.W.P.	R.A. Charon	4-22-41
TRACED BY C.B.		LT. COL. CMD. EXPT. CONSTRUCTION QUARTERMASTER	PLAN NUMBER 6934
			1152.501

(62)