

NOTES

ALL MULTIPLE CABLE SERVING MERCURY LIGHTING UNITS TO BE OF THE DIRECT BURIAL TYPE. PHASE WIRE STRANDED 600VOLTS NEOPRENE AND RUBBER TYPE RE. NEUTRAL BARE STRANDED CABLE TO BE BURIED 18 INCHES MINIMUM BELOW SURFACE OF GROUND. SEE DETAIL TRENCH AND BACK FILL WITH SAND AND GRAVEL FREE FROM ABRASIVE MATERIAL. CABLE TO BE IN ONE PIECE FROM LIGHT TO LIGHT OR ANY OTHER CONNECTION. CABLE UNDER ANY PAVED SURFACE TO BE IN DUCT FURNISHED AND INSTALLED BY OTHERS. ALL UNDER GROUND DUCTS TO HAVE DUCT MARKERS TO INDICATE WHERE DUCTS ARE LOCATED. ON MAIN HIGHWAY DUCTS SHALL BE MARKED AT BOTH ENDS. ON RAMPS AND SECONDARY ROADS ONLY ONE MARKER IS REQUIRED. THE 4160-2400 SERVICE FROM P.S. CO. POLE NO. 4 TO BE INSTALLED AS SHOWN IN ASBESTOS CEMENT DUCT ALL JOINTS WATER TIGHT SEALED ENTRANCE AT BOTH ENDS. DUCT TO BE 4 INCH AND BURIED 36 INCHES BELOW GROUND SURFACE.

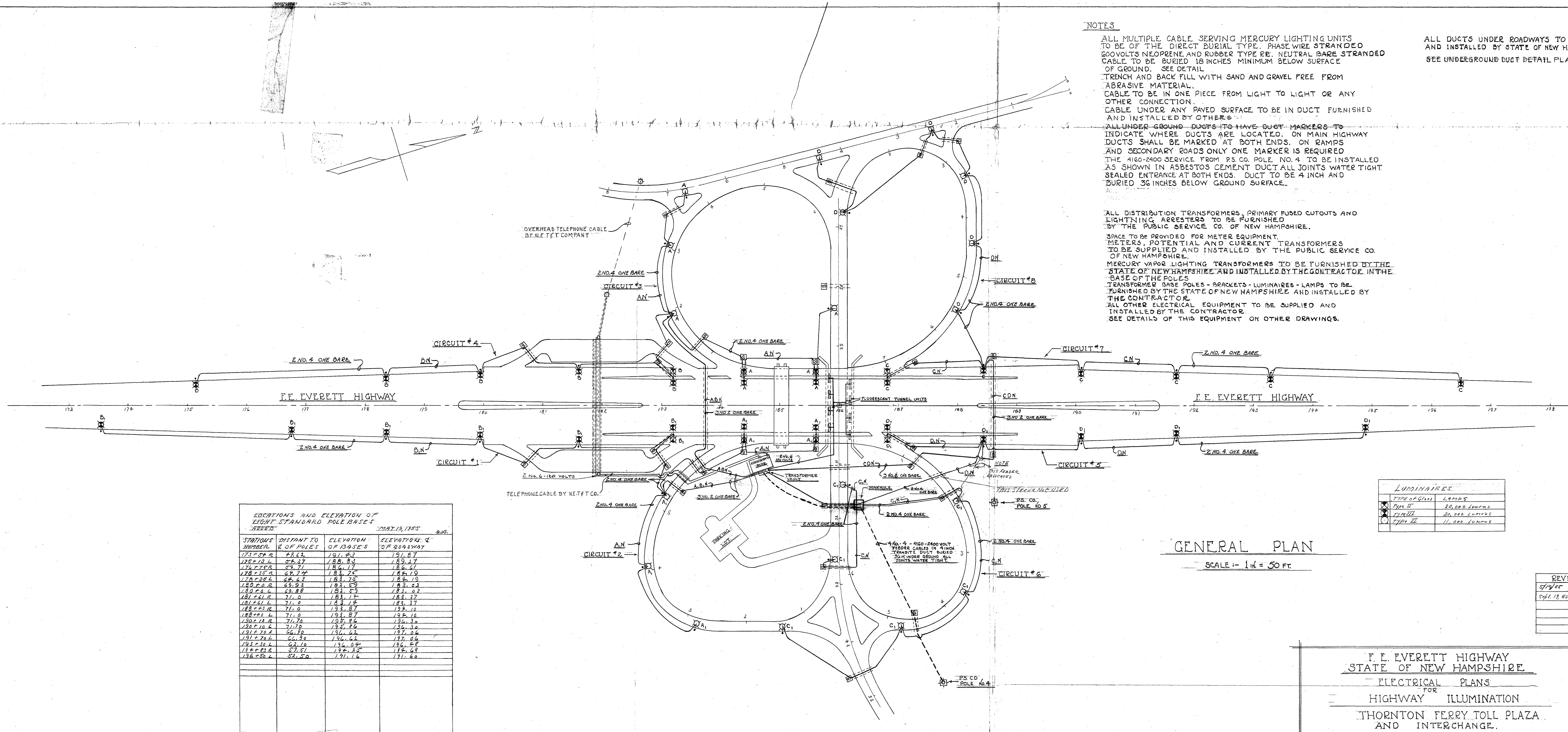
ALL DUCTS UNDER ROADWAYS TO BE SUPPLIED AND INSTALLED BY STATE OF NEW HAMPSHIRE. SEE UNDERGROUND DUCT DETAIL PLAN SHEET-3

ALL DISTRIBUTION TRANSFORMERS, PRIMARY FUSED CUTOUTS AND LIGHTNING ARRESTERS TO BE FURNISHED BY THE PUBLIC SERVICE CO. OF NEW HAMPSHIRE.

SPACE TO BE PROVIDED FOR METER EQUIPMENT. METERS, POTENTIAL AND CURRENT TRANSFORMERS TO BE SUPPLIED AND INSTALLED BY THE PUBLIC SERVICE CO. OF NEW HAMPSHIRE.

MERCURY VAPOR LIGHTING TRANSFORMERS TO BE FURNISHED BY THE STATE OF NEW HAMPSHIRE AND INSTALLED BY THE CONTRACTOR IN THE BASE OF THE POLES. TRANSFORMER BASE POLES - BRACKETS - LUMINAIRES - LAMPS TO BE FURNISHED BY THE STATE OF NEW HAMPSHIRE AND INSTALLED BY THE CONTRACTOR.

ALL OTHER ELECTRICAL EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. SEE DETAILS OF THIS EQUIPMENT ON OTHER DRAWINGS.



LOCATIONS AND ELEVATION OF EIGHT STANDARD POLE BASES REQUIRED DATE: 12/19/55

STATIONS NUMBER	DISTANT TO # OF POLES	ELEVATION OF BASES	ELEVATION OF ROADWAY
173+54 R	41.42	151.82	151.87
175+13 L	54.97	148.83	148.77
176+25 R	59.71	154.17	154.11
178+35 R	69.74	153.75	153.69
179+35 L	69.65	153.75	153.69
180+00 R	69.93	152.59	152.53
180+00 L	69.88	152.59	152.53
181+61 R	71.0	153.17	153.11
181+61 L	71.0	153.17	153.11
183+03 R	71.0	153.87	153.81
183+03 L	71.0	153.87	153.81
184+18 R	71.70	155.86	155.80
184+18 L	71.70	155.86	155.80
191+78 R	66.19	156.42	156.36
191+78 L	66.30	156.42	156.36
193+30 L	62.10	154.09	154.03
194+82 R	57.57	152.25	152.19
196+50 L	52.50	151.16	151.10

LUMINAIRES

TYPE OF GLASS	LAMPS
Type II	20,000 Lumens
Type III	20,000 Lumens
Type IV	11,000 Lumens

GENERAL PLAN
SCALE: 1" = 50 FT.

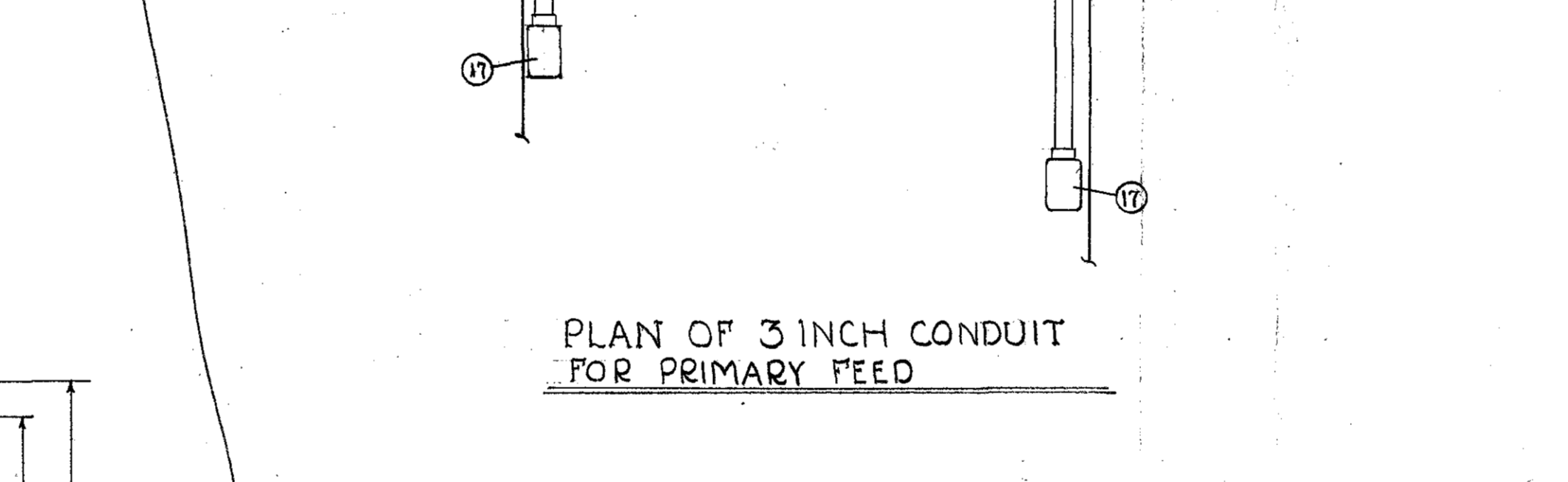
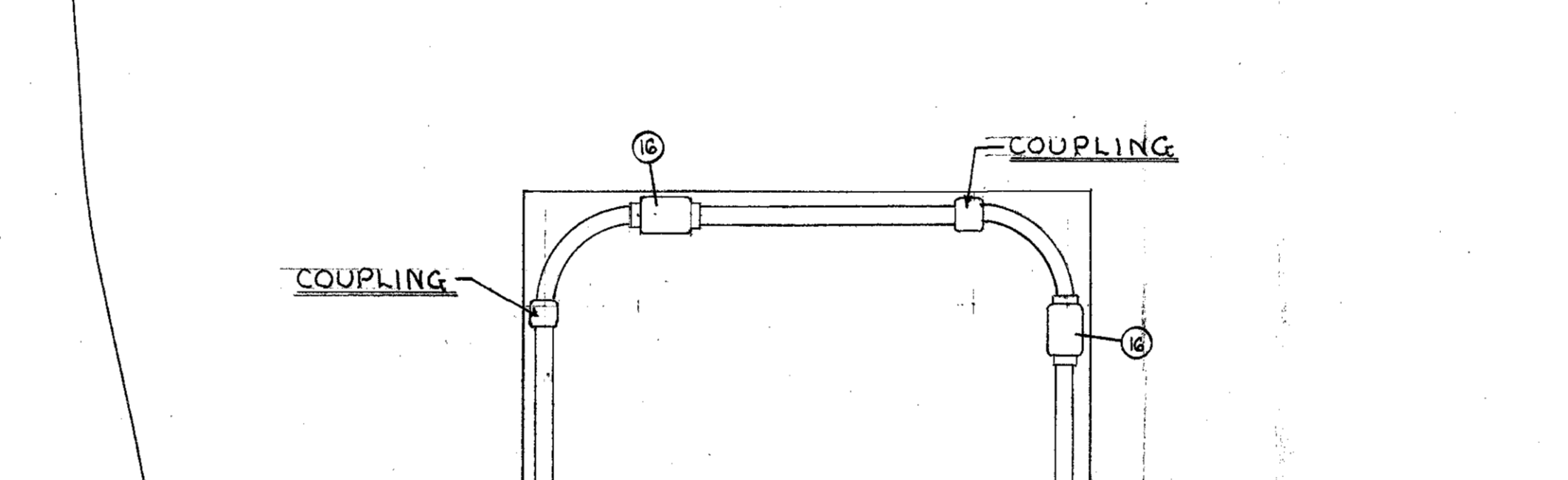
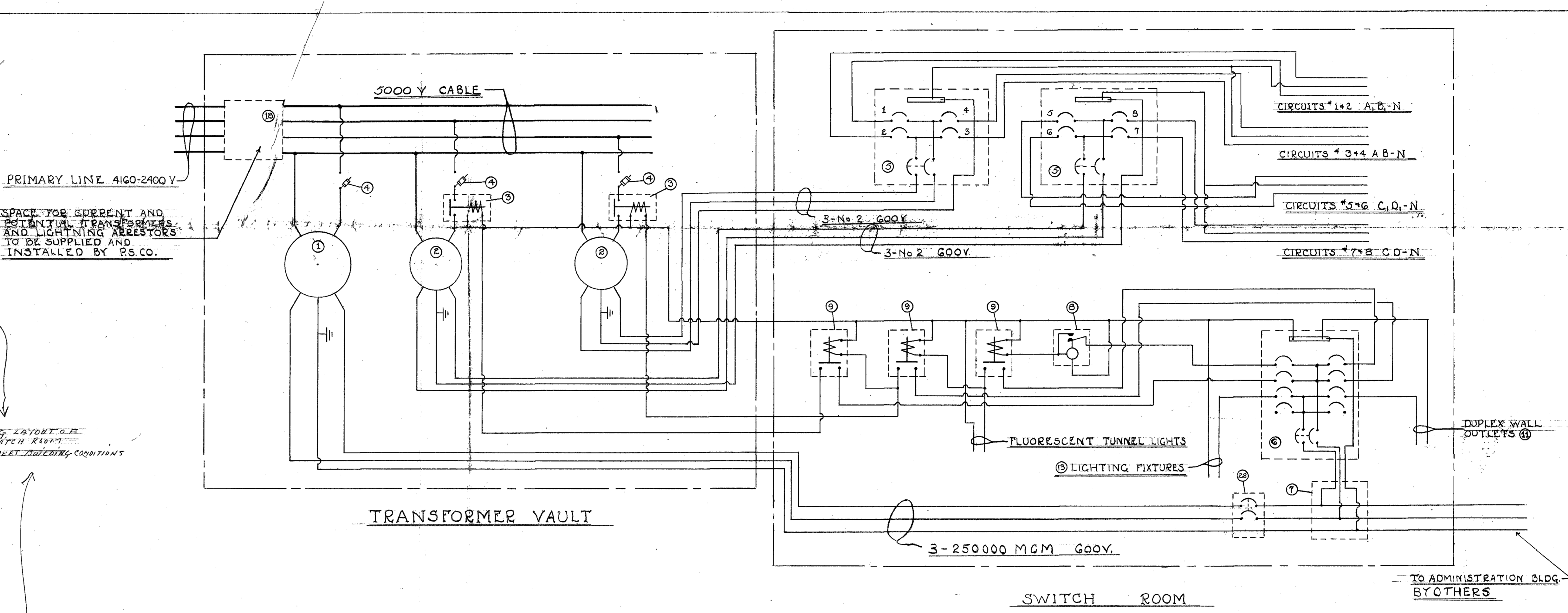
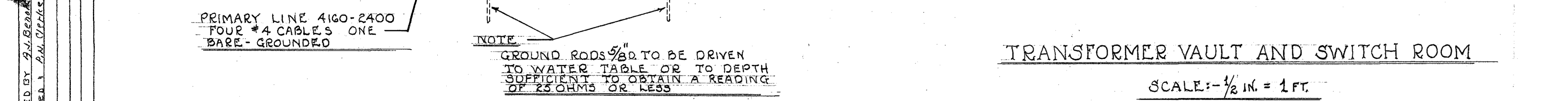
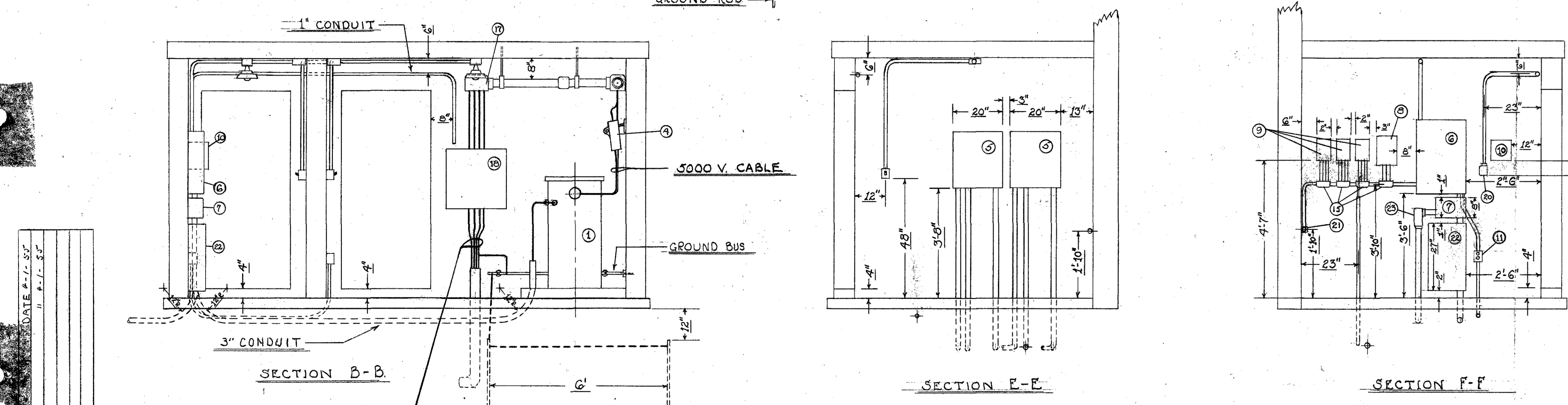
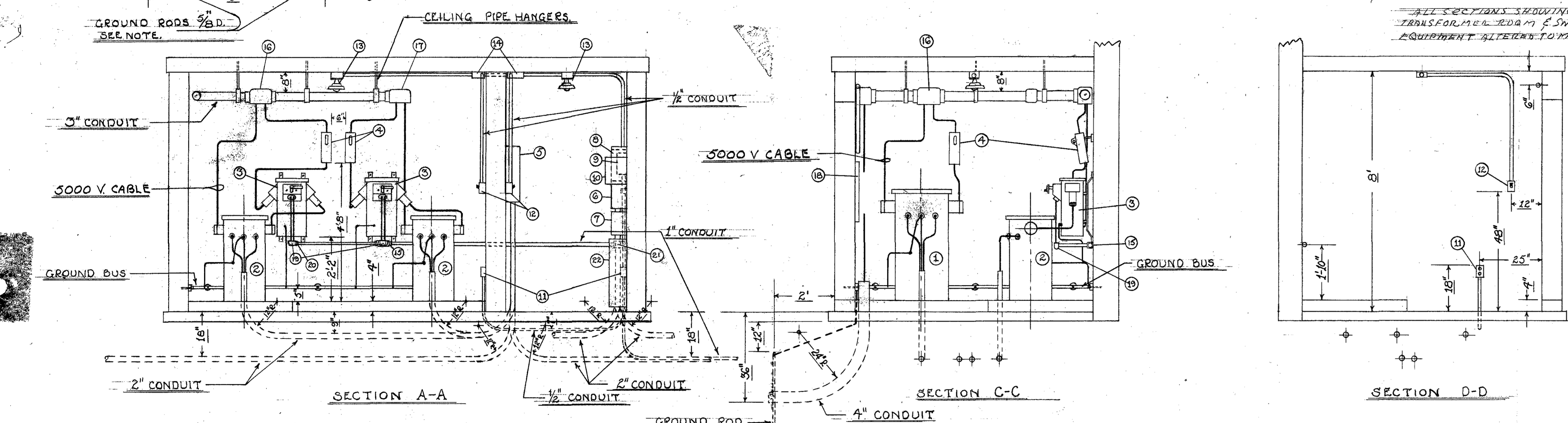
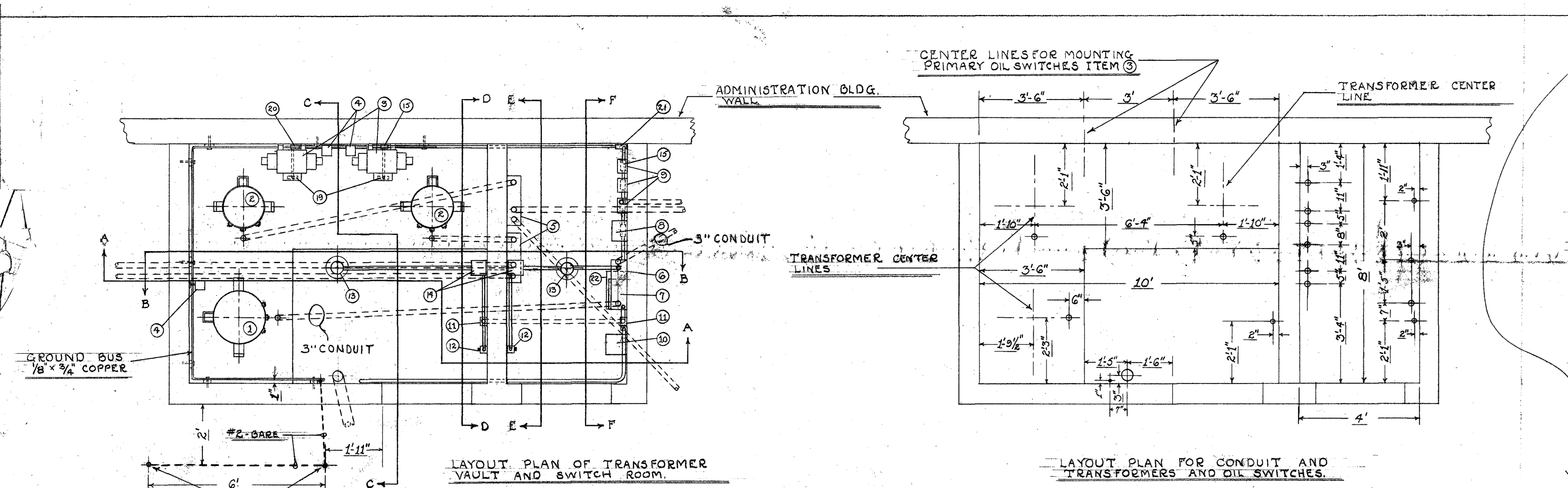
REVISIONS

DATE	DESCRIPTION
5/19/55	LOCATION REVISION
5/19/55	REVISIONS

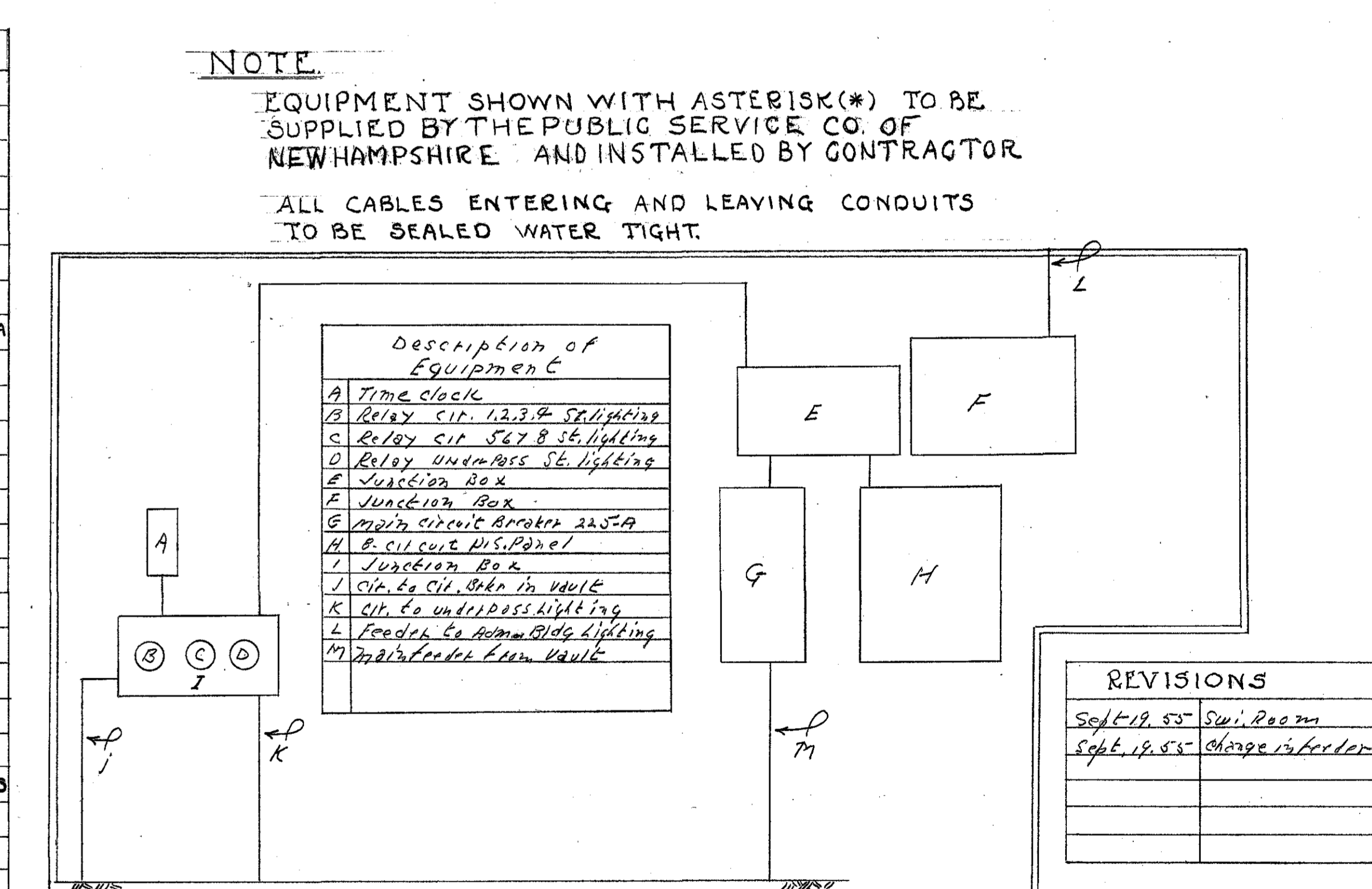
F. E. EVERETT HIGHWAY
STATE OF NEW HAMPSHIRE
ELECTRICAL PLANS
FOR
HIGHWAY ILLUMINATION
THORNTON FERRY TOLL PLAZA
AND INTERCHANGE.

PROJ. NO. 1-10-55
SHEET NO. 1
TOTAL SHEETS 3

PLAN TRACED BY: [Name]
DATE: 12/19/55
CHECKED BY: [Name]

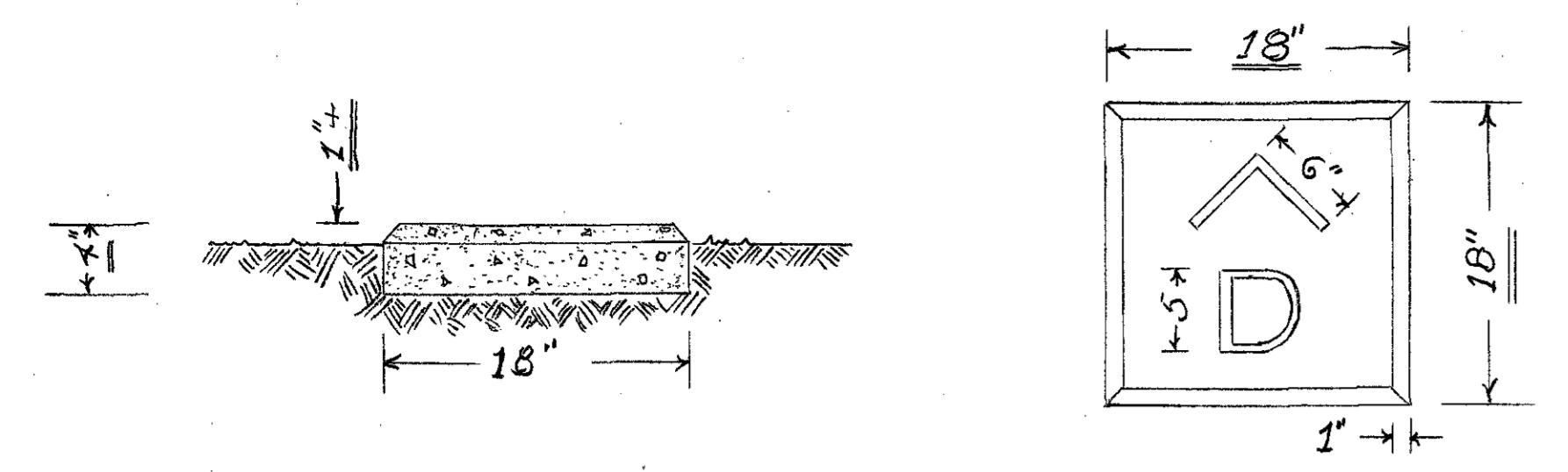


ITEM	DESCRIPTION OF EQUIPMENT.
1	50 KVA TRANSFORMER 2400-120/240 V. *
2	15 KVA TRANSFORMER 2400-240/480 V. *
3	PRIMARY OIL SWITCH REMOTE CONTROL.
4	PRIMARY FUSED CUTOUPS *
5	BREAKER PANEL TYPE NH 10 A CIRCUIT 30 AMP SINGLE POLE 277V-MAIN BREAKER 100A.
6	BREAKER PANEL TYPE NH 6 CIRCUIT 15 AMP SINGLE POLE 120/240V-MAIN BREAKER 100A.
7	JUNCTION BOX 8"x24"x6"
8	TIME CLOCK SINGLE POLE 35 AMP
9	MULTIPLE RELAYS
10	METER
11	DUPLIX WALL OUTLET SURFACE MOUNTED
12	WALL SWITCH SINGLE POLE SURFACE MOUNTED
13	200WATT RLM LIGHTING FIXTURE ON 4" OUTLET BOX SURFACE MOUNTED.
14	4" SQUARE JUNCTION BOX
15	TYPE 'C' CONDULET SIZE 1 INCH
16	TYPE 'C' CONDULET SIZE 3 INCH
17	TYPE 'E' CONDULET SIZE 3 INCH
18	PANEL FOR CT-PT AND LIGHTNING ARRESTORS
19	TYPE 'B' CONDULET SIZE 1 INCH
20	TYPE 'E' CONDULET SIZE 1 INCH
21	TYPE LR CONDULET SIZE 1 INCH
22	AB-1 BREAKER K-FRAME 225 AMP
23	TYPE LL CONDULET SIZE 2 INCH

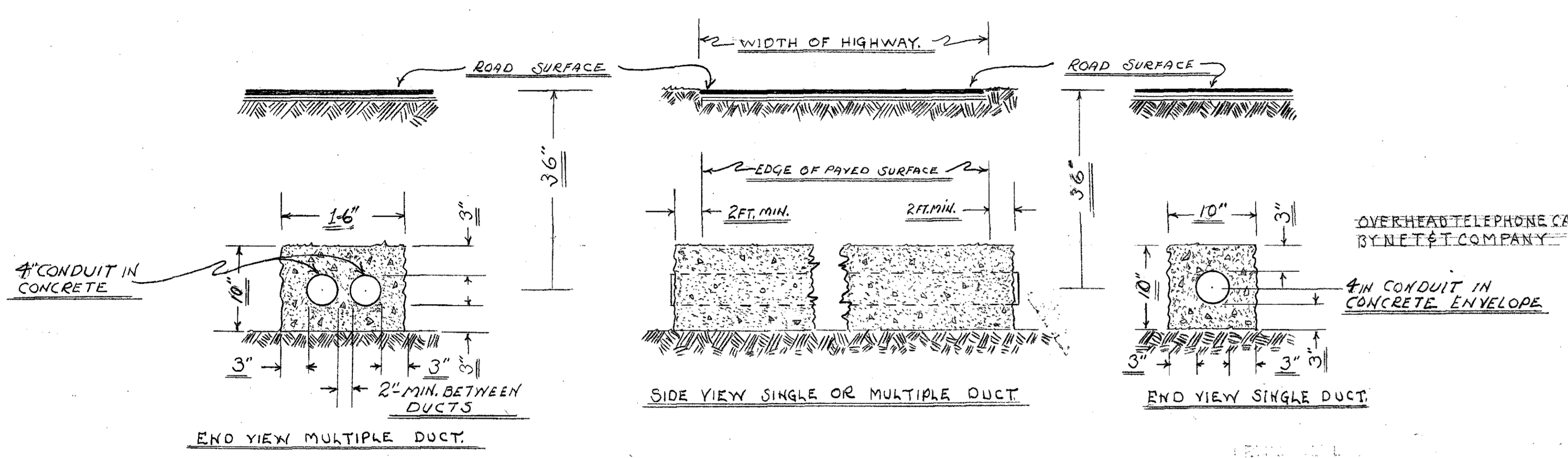


PLAN TRACED BY: G.A. BROWN
 DATE: 8-11-55
 CHECKED BY: J.M. DAVIS
 DATE: 8-11-55

F. E. EVERETT HIGHWAY
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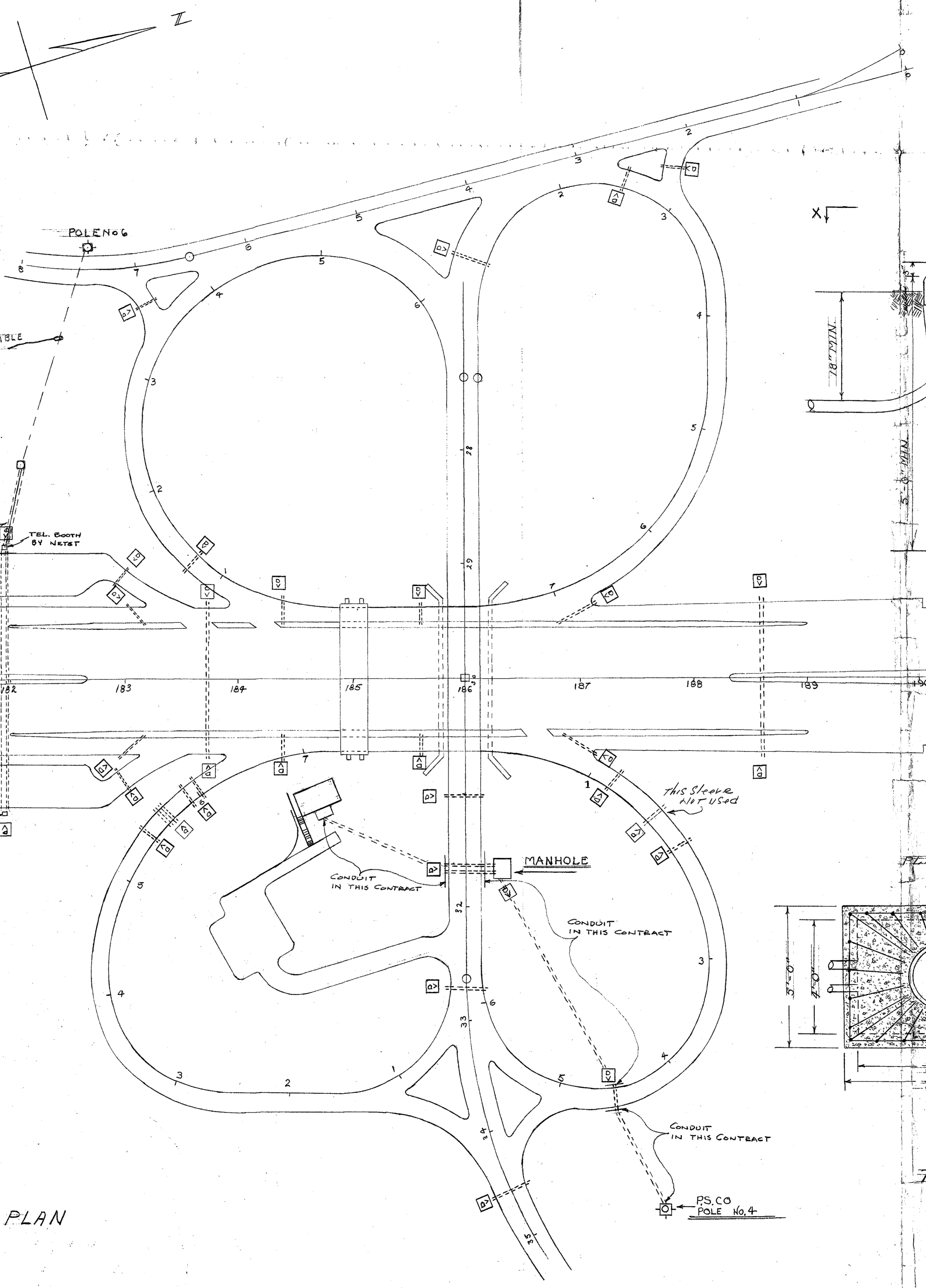


DETAIL OF CONCRETE DUCT MARKER
NOT TO SCALE.

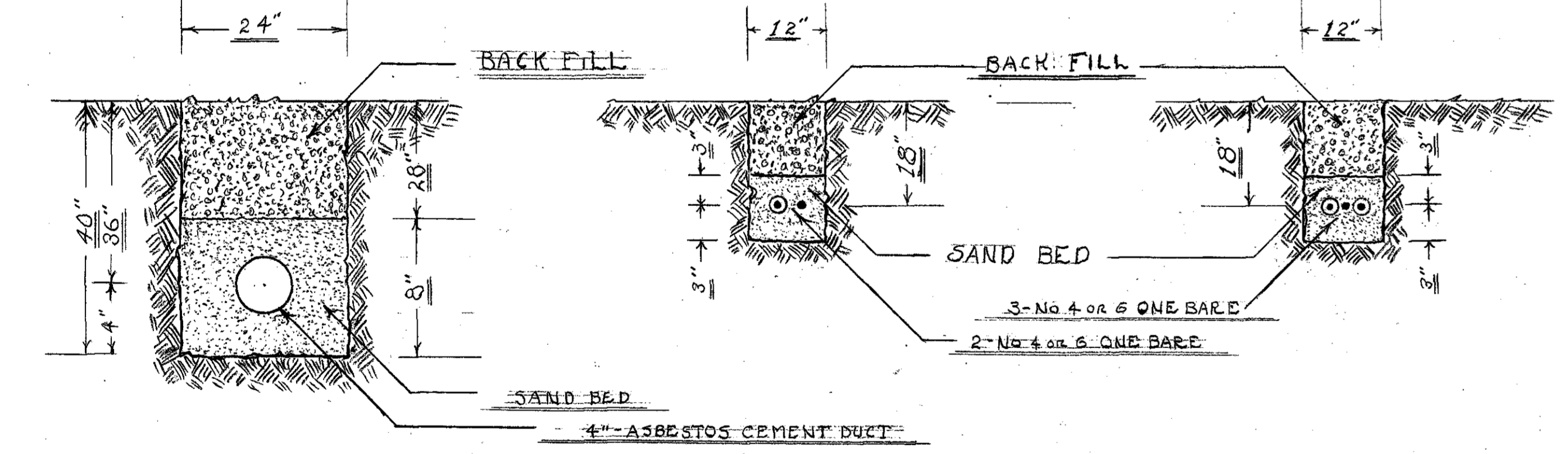


DETAILS OF EXISTING DUCTS UNDER PAVED AREAS.
NOT TO SCALE
NOT A PART OF THIS CONTRACT

CONDUITS FOR TELEPHONE, WATER AND POWER CABLES INSTALLED BY THE STATE

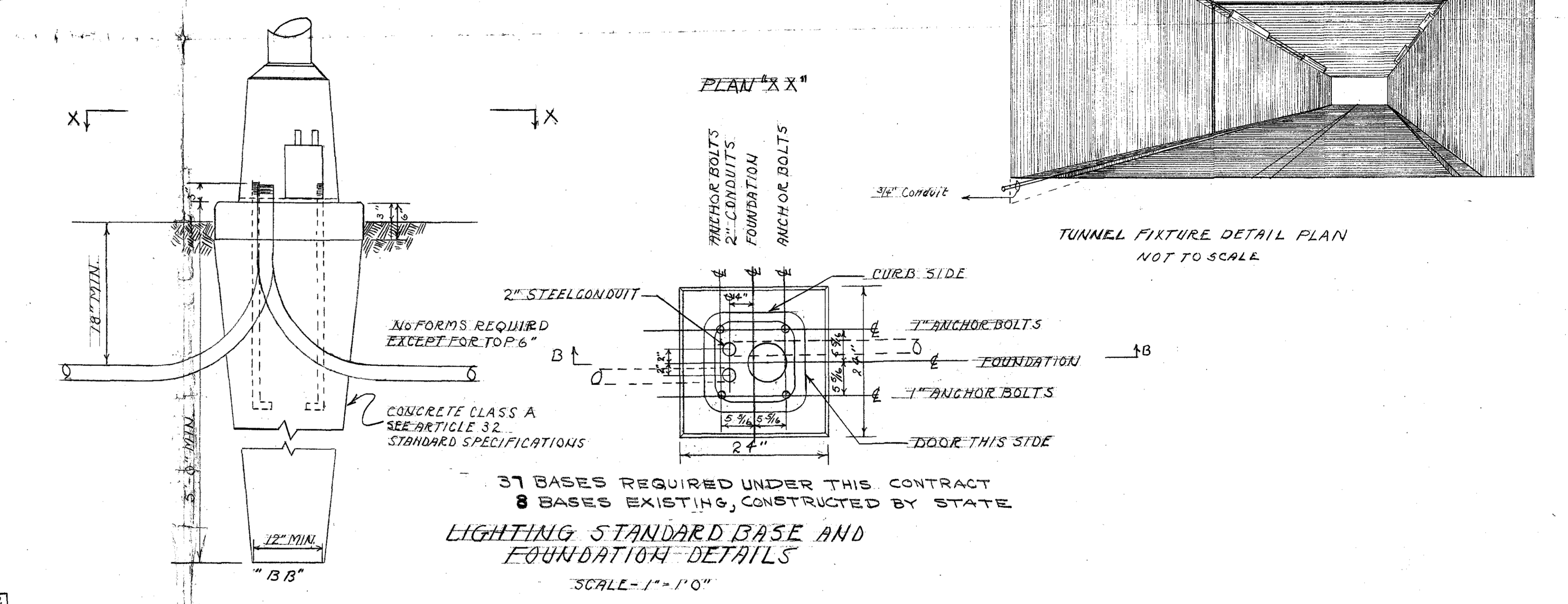


UNDERGROUND DUCT DETAIL PLAN
SCALE - 1" = 50'

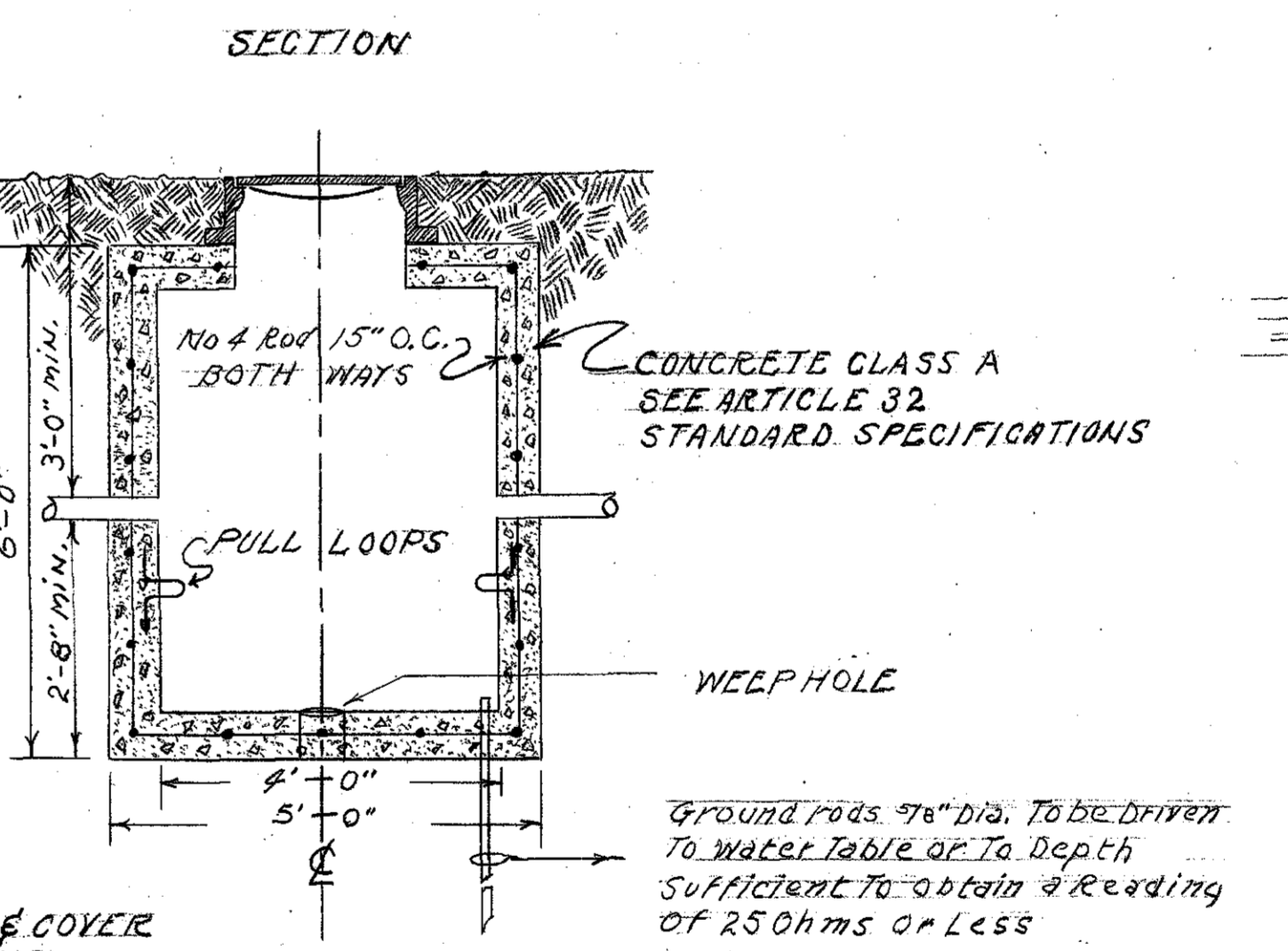


DETAIL OF MAIN SERVICE FEEDER DUCT
NOT TO SCALE

DETAILS OF TWO AND THREE No 2 CABLE WITH ONE BARE WIRE ALL CABLE GOOVOLTS FOR DIRECT BURIAL MULTIPLE SERVICE
NOT TO SCALE



TYPICAL MANHOLE DETAIL
SCALE - 1/2" = 1'

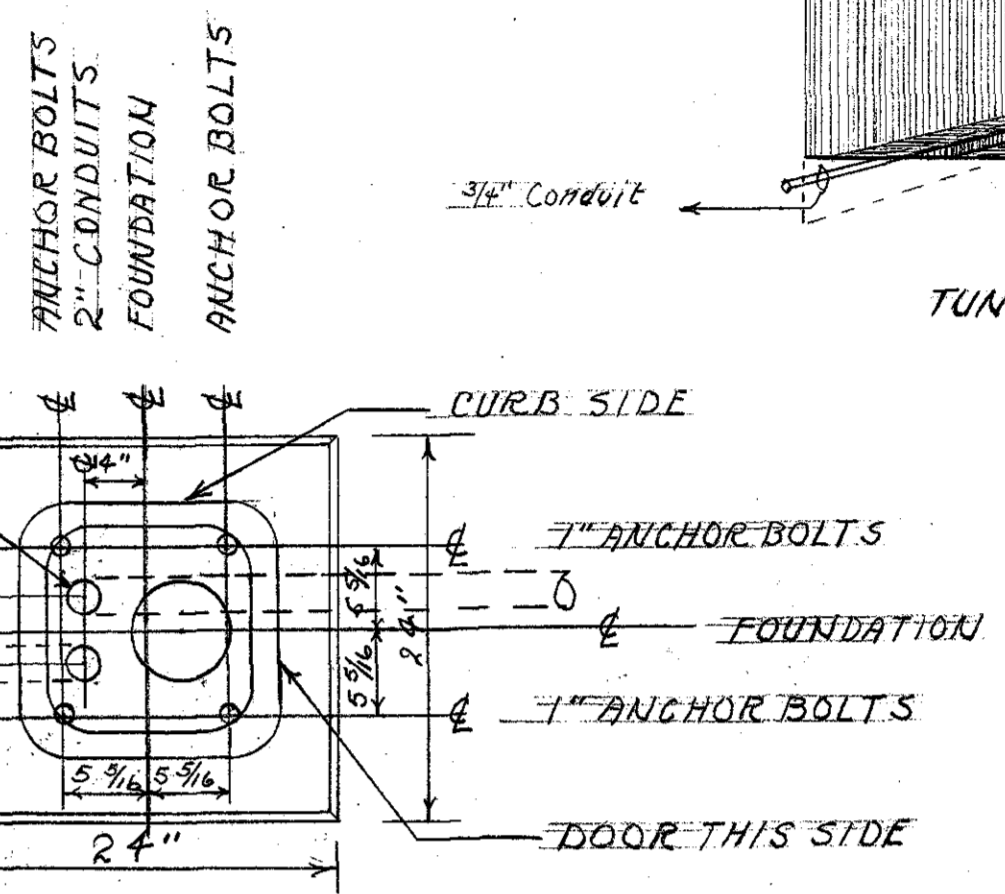


SECTION

CONCRETE CLASS A SEE ARTICLE 32 STANDARD SPECIFICATIONS

NOTE
MANHOLE MARKERS AND POLE FOOTINGS HAVE BEEN DELETED FROM THIS CONTRACT.

PLAN "X X"



TUNNEL FIXTURE DETAIL PLAN
NOT TO SCALE

37 BASES REQUIRED UNDER THIS CONTRACT
8 BASES EXISTING, CONSTRUCTED BY STATE
LIGHTING STANDARD BASE AND FOUNDATION DETAILS
SCALE - 1" = 1'0"

REVISIONS	

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ELECTRICAL PLANS
FOR
HIGHWAY ILLUMINATION
THORNTON FERRY TOLL PLAZA
AND INTERCHANGE.

PROJ. NO.	SHEET NO.	TOTAL SHEETS
12-189(1)	3	3

PLAN PREPARED BY: J. J. BROWN, DATE: 8-1-55
 CHECKED BY: P. M. LINDA, DATE: 8-1-55