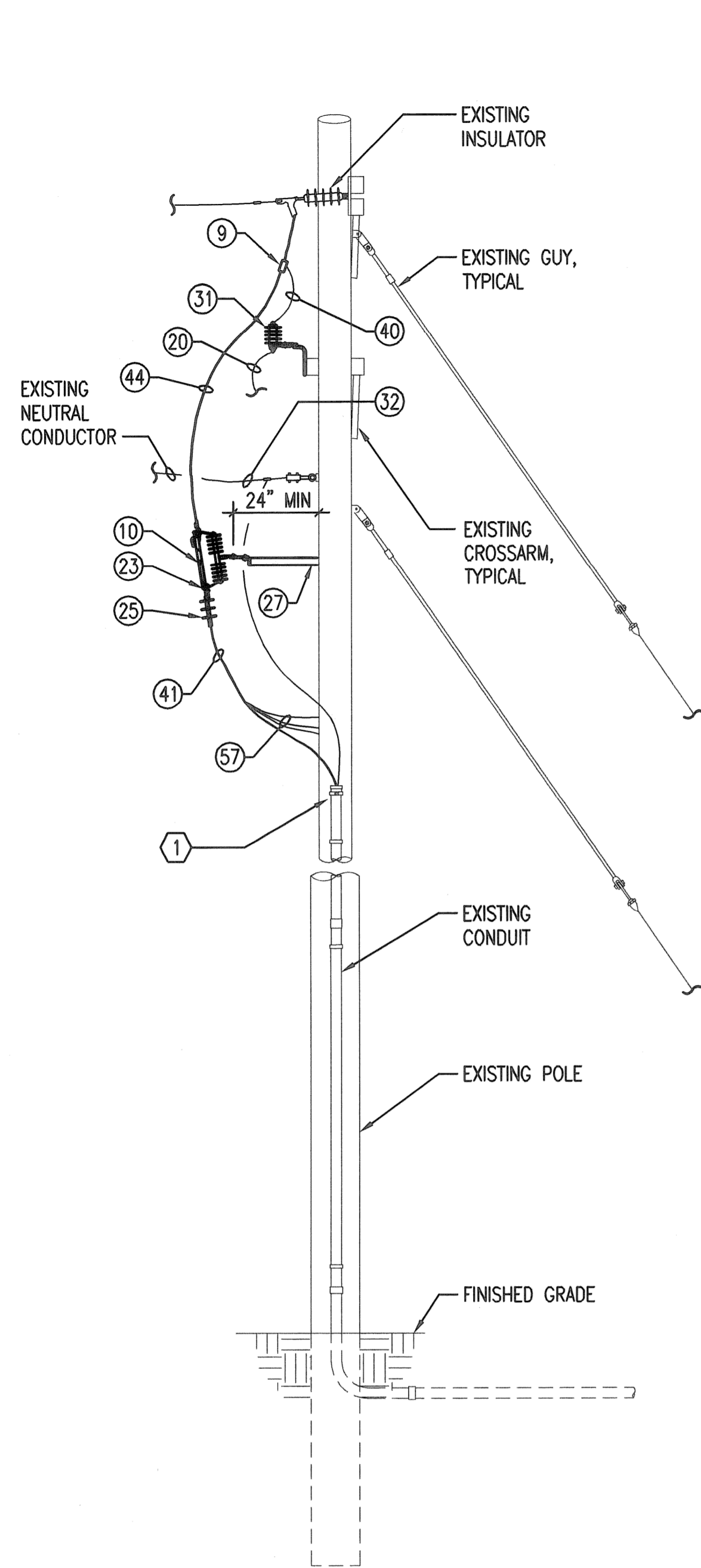
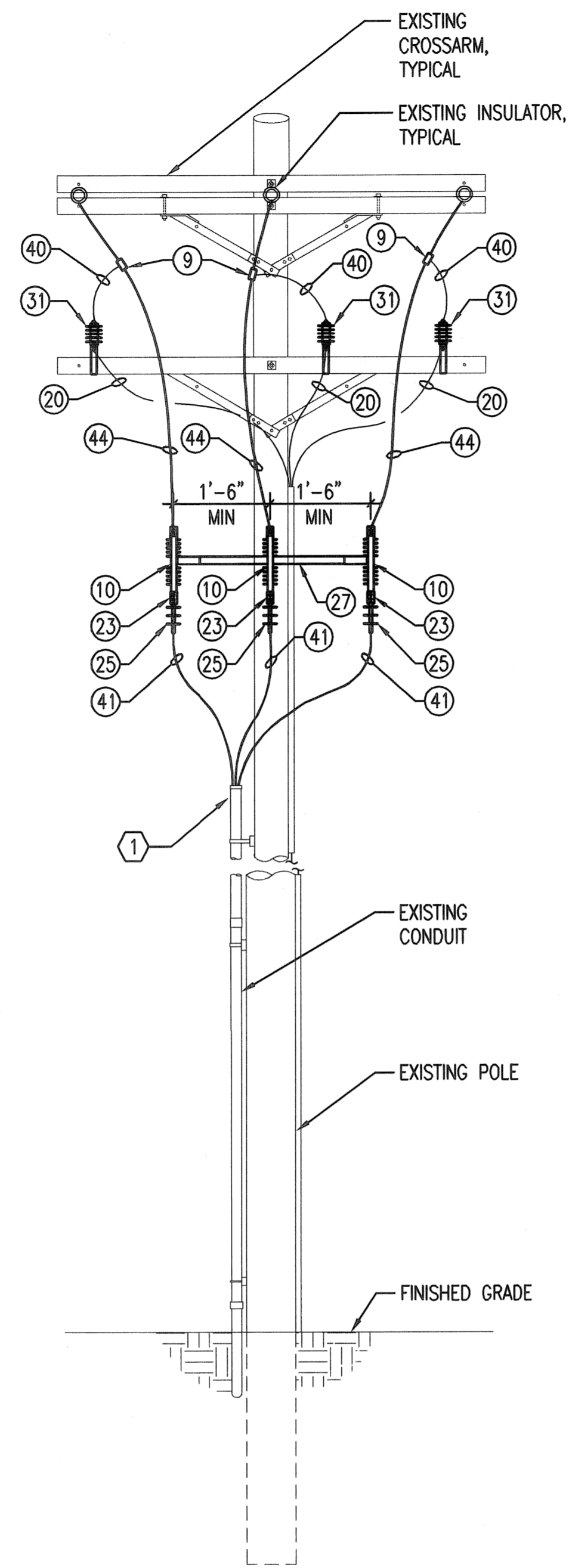


**SCHEDULE OF POLE EQUIPMENT**

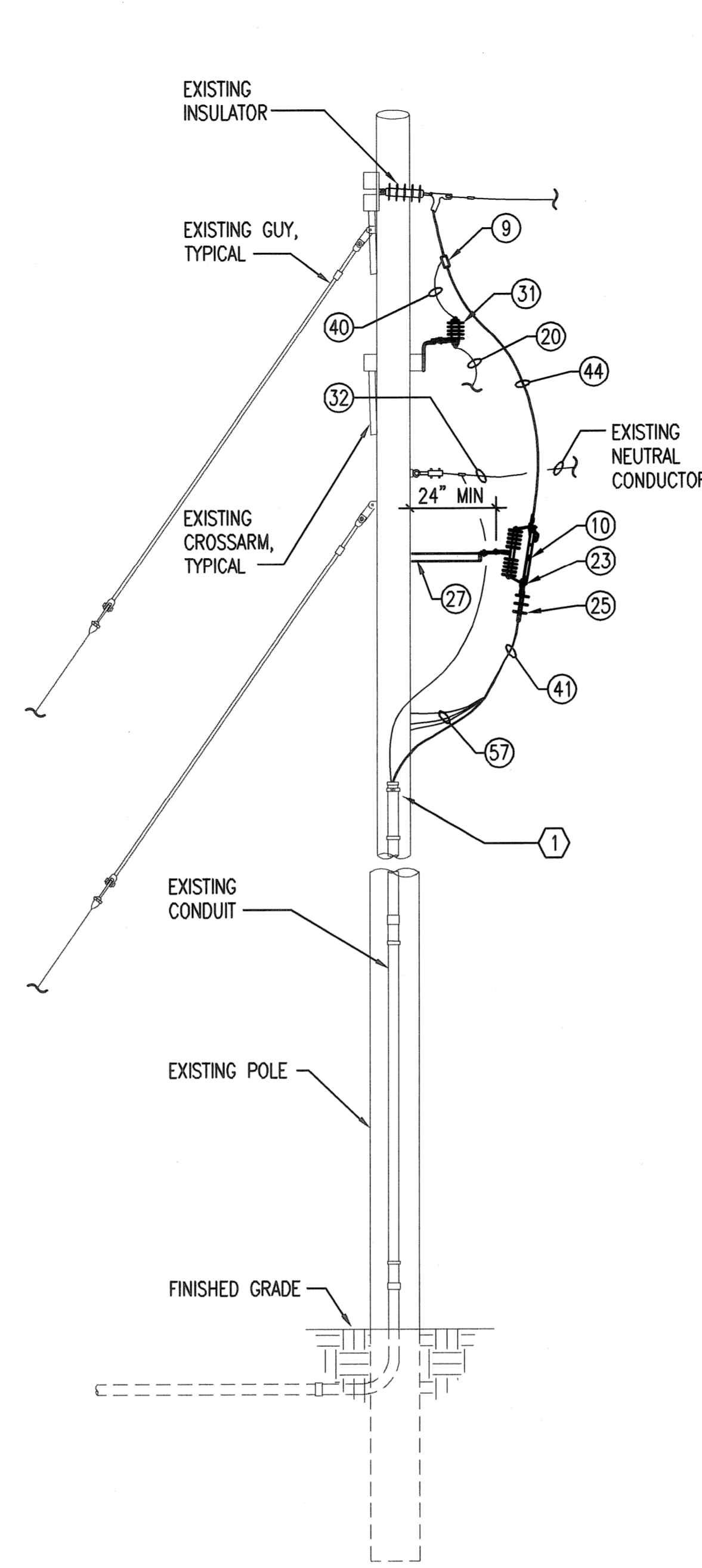
NO.	DESCRIPTION
1	WOOD POLE, SEE POLE HEIGHT SCHEDULE
2	POLE BAND
4	INSULATOR, PIN TYPE, NEMA CLASS 54-1L, 15KV
5	PIN
6	INSULATOR, SUSPENSION TYPE, NEMA CLASS 52-1 OR 52-9, 15KV
7	EXTENSION LINK
8	QUADRANT STRAIN CLAMP, DEAD END (DISTRIBUTION)
9	TEE CONNECTOR, ALUMINUM, COMPRESSION
10	600A, 15.5KV SINGLE INSULATOR HOOK DISCONNECT SWITCH
11	CROSSARM ASSEMBLY
12	5/8" LOCK NUT
20	EXISTING GROUND CONNECTION #4 CU. TO POLE GROUND
22	BOLT, DOUBLE ARMING, 5/8" X REQ. LENGTH
23	TWO HOLE, LONG BARREL COMPRESSION LUG
25	15KV CABLE TERMINATOR
26	STAPLES, INSTALL 2'-6" O.C.
27	SWITCH MOUNTING BRACKET
30	EYE NUT, 5/8"
31	SURGE ARRESTOR; MOV, 9.0 KV MCOV
32	EXISTING #4/0 CU NEUTRAL, BOND TO O.H. NEUTRAL
33	#4 SOLID CU WIRE, GROUND
34	GROUNDING JUMPER, #4 COPPER
35	MOULDING; 1/2"
38	STAND-OFF BRACKET, FOR CONDUIT SUPPORT
40	EXISTING CONDUCTOR - 4/0 DAISY AAC CONDUCTOR TO CORNER POLE (ALLOWABLE AMPACITY 403A BASED ON AMBIENT 25°C, CONDUCTOR 75°C, WIND 2 FT/SEC, SUN)
41	EXISTING 3#500KCMIL CU, #4/0 GND 15KV EPR 133% POWER SHIELDED CABLE, TYPE MV-105
42	5" RGS CONDUIT
43	5" PVC COATED RGS ELBOW AND RISER TO BE ABOVE GRADE
44	CONDUCTOR - 447 ACSR PELICAN TO CORNER POLE (ALLOWABLE AMPACITY 646A BASED ON AMBIENT 25°C, CONDUCTOR 75°C, WIND 2 FT/SEC, SUN)
45	GUY WIRE
46	CONDUIT - SCHEDULE 40 PVC
47	PVC TO RGS CONDUIT COUPLING
48	PVC COATED RGS CONDUIT COUPLING
49	ROD, GROUND, 5/8" MIN. DIAMETER
50	CONCRETE ENCASES EPC-40-PVC, 5"
51	NEUTRAL CONDUCTOR - 4/0 ACSR PENGUIN
52	5/8" X AS REQ. LENGTH DIA. BOLT
53	CONDUIT/PIPE HANGER
54	EYENUT
56	13/16" SQ. WASHER
57	EXISTING #4 CU BONDING CONDUCTORS TO TAPE SHIELD
60	SEAL TOP OF CONDUIT
61	COPPER COMPRESSION CONNECTOR
62	ANCHORS, SHACKLE
63	CABLE SUPPORT
64	EYE SCREW, ELLIPTICAL OR DRIVE HOOK
65	CLAMP, GROUND ROD
66	INSULATOR, PIN TYPE, NEMA CLASS 54-1L, 15KV, WHITE
67	LETTERS, 2" C, 2" N, WITH 1" NAILS
68	5" PVC COATED RGS CONDUIT
69	CONCRETE ENCASEMENT
70	BUTT GROUND
71	HIGH STRENGTH DOUBLE CROSSARM



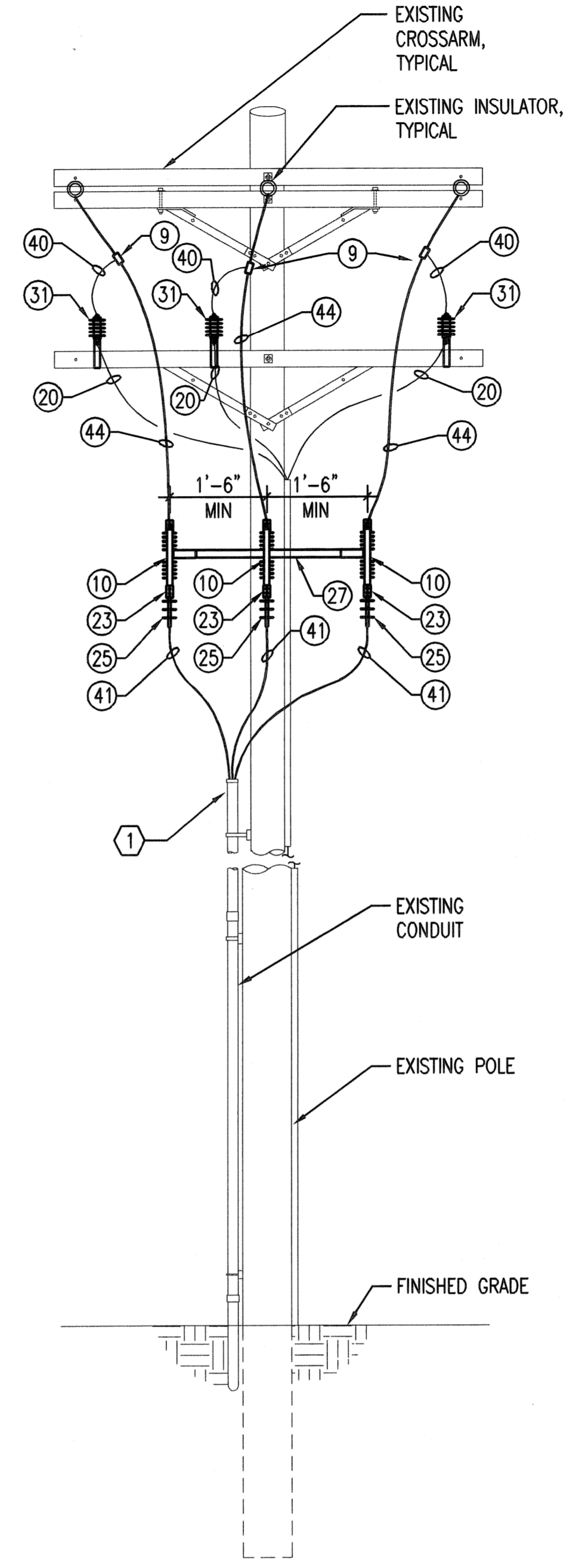
**LONGITUDINAL ELEVATION**



**TRANSVERSE ELEVATION**



**LONGITUDINAL ELEVATION**



**TRANSVERSE ELEVATION**

**1 POLE NORTH ELEVATIONS**  
NO SCALE

**SCOPE OF WORK:**

1. REMOVE EXISTING SURGE ARRESTORS.
2. UNTERMINATE MEDIUM VOLTAGE FEEDERS SERVING THE PLANT.
3. PROVIDE FUSED CUTOUTS, MOUNTING BRACKETS, AND 9.0 KV SURGE ARRESTORS AS SHOWN.
4. RECONNECT EXISTING MEDIUM VOLTAGE FEEDERS SERVING THE PLANT TO PROPOSED CUTOUTS.
5. PROVIDE MEDIUM VOLTAGE CONDUCTORS FROM EXISTING INSULATORS TO PROPOSED CUTOUTS.
6. PROVIDE ALL HARDWARE AS REQUIRED FOR A COMPLETE INSTALLATION.

**2 POLE SOUTH ELEVATIONS**  
NO SCALE

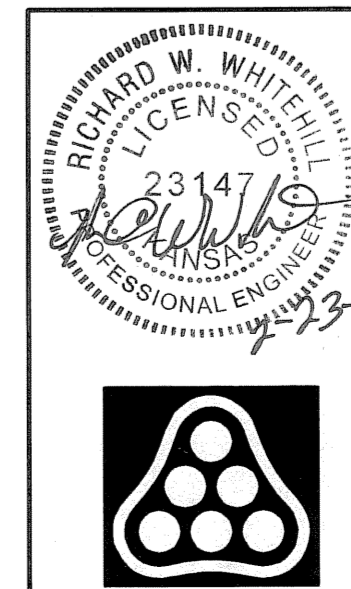
**GENERAL NOTES:**

1. COORDINATE ALL OVERHEAD WORK WITH UTILITY COMPANY.
2. COORDINATE ALL POWER OUTAGES WITH OWNER AND UTILITY COMPANY. REFERENCE SPECIFICATIONS.

**KEYED NOTES:**

- 1 CUT BACK CONDUIT AS REQUIRED TO ALLOW ROOM FOR MEDIUM VOLTAGE CUTOUTS AND STANDOFF. PROVIDE BUSHING ON END OF CONDUIT.

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 Plot Scale: 1" = 10'-0"  
 U:\Projects\2014\14229\001\Elec\Drawings\14 ELECTRICAL DETAILS



No.	Revision	By	Date
CITY OF WICHITA, KANSAS <b>ELECTRICAL DETAILS</b> WWTP #2 EMERGENCY POWER PROJECT C.O.W. PROJECT NO. 468-84956			
PEC PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA WICHITA, KS 67202 316-262-2691 www.pec1.com		Designed by: RWW Job No. 34-14229-001-0042 Drawn by: CJV Date: 2/23/15 Sht. E.1.4 of 36	