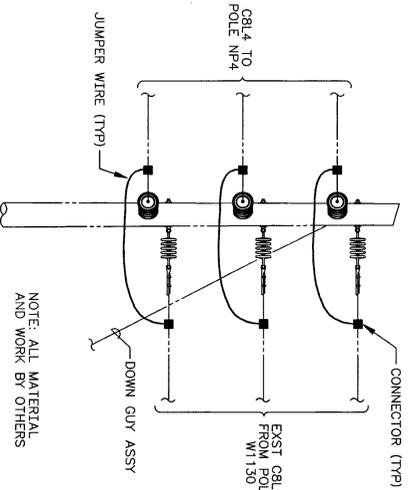


NOTES:

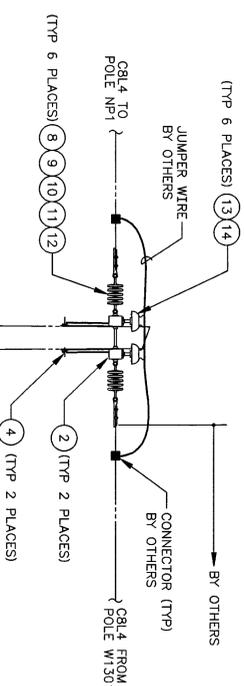
1. SEE CONSTRUCTION SPECIFICATION W-058-C3 FOR MATERIAL DESCRIPTION AND INSTALLATION INSTRUCTIONS UNLESS OTHERWISE NOTED.
2. ABBREVIATIONS ARE PER ASME Y1.1 - 1989.
3. UTILIZE EXISTING DOWN GUYS AND ANCHOR AND TRANSFER ATTACHMENTS TO NP1 IN LOCATION SHOWN.
4. PROVIDE AND INSTALL MARKER TAPE IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION SECTION 02225.
5. CONNECT CABLE SHIELDS AND GROUND LEAD FROM LIGHTNING ARRESTER TO #4 AWG WIRE.
6. FIELD CONDITIONS SHALL DETERMINE CROSSARM ASSEMBLY MOUNTING HEIGHT.
7. RELOCATE EXISTING 2400 VOLT AERIAL LINE EBL1 AS REQUIRED TO ALLOW 4'-0" MINIMUM VERTICAL SPACING BETWEEN THE 2400 VOLT AND 13.8 KV AERIAL LINES. ADJUST HEIGHT ALONG POLE LINE (NORTH & SOUTH) AS REQUIRED TO MEET THE SPACING SHOWN AND MATCH EXISTING SAG.
8. INSTALL THE FLYING TAPS SO THEY ARE UNIFORM AND PERPENDICULAR TO THE CROSSING AERIAL LINES. ALLOW ENOUGH SLACK FOR CABLE EXPANSION AND CONTRACTION.
9. LOWER THE EXISTING TELEPHONE SERVICE AS REQUIRED TO PROVIDE EQUIPMENT MOUNTING SPACE ABOVE THE LOWEST CABLE SHALL NOT BE LESS THAN 18'-6" ABOVE THE ROAD AT ROAD CROSSINGS.
10. REMOVE THE EXISTING STREET LIGHTING FIXTURE AND STREET LIGHTING CIRCUIT TAP AND ASSOCIATED INSULATORS. SEE REF DWG H-13-000074 SH 6.



EXIST POLE W1301

VIEW - SOUTH

H-2-822522 SH 1



NEW POLE NP4

VIEW - SOUTHEAST

H-2-822522 SH 1

(SEE NOTE 6)

MATERIAL LIST CONTINUED FROM ZONES B1 - B3

| QUANTITY | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------------------------------------------------------------------------------------------|
| 4 | 31 | ANCHOR ROD, DOUBLE THIMBLE EYE, 3/4" x 9'-0" LONG |
| 4 | 32 | GUY ANCHOR, CONCRETE CONE, SEE DETAIL 3 SH 4 |
| 8 | 33 | ANGLE THIMBLE EYE BOLT, 5/8" x LENGTH AS REQD |
| 8 | 34 | LAG SCREW, 1/2" x 5" LONG |
| 8 | 35 | LOAD PLATE, CURVED, 2-1/2" x 7" x 3/16" WITH 9/16" AND 11/16" HOLES |
| 6 | 36 | CUTOUT/ARRESTER BRACKET |
| AR | 37 | SPLIT BOLT CONNECTOR, DUAL RATED FOR COPPER OR ALUMINUM WIRES |
| 6 | 38 | COMBINATION CUTOUT-LIGHTNING ARRESTER |
| 6 | 39 | FUSE (SEE DWG H-2-822505) |
| 6 | 40 | CABLE TERMINATOR, 15 KV |
| AR | 41 | GROUND WIRE, #4 AWG BARE COPPER CONDUCTOR |
| 10 | 42 | GROUND ROD, COPPER/CLAD STEEL, 5/8" DIA x 8'-0" LONG |
| 10 | 43 | GROUND ROD-TO-CABLE CLAMP, COPPER COMPRESSION TYPE OR EXOTHERMIC WELD IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS |
| 2 | 44 | CONDUIT GROUND CLAMP FOR 4" CONDUIT |
| AR | 45 | CONDUIT, 4" RIGID STEEL |
| 2 | 46 | CONDUIT VENTILATOR, FEMALE TO FEMALE FOR 4" CONDUIT, 0-Z GEDNEY, CAT NO KYF-4040 OR APPROVED EQUAL |
| 2 | 47 | VENTILATED CABLE SUPPORT FOR 4" CONDUIT, 0-Z GEDNEY, CAT NO CMT-4000-1 (COMPLETE FITTING) OR EQUAL |
| AR | 48 | PIPE STRAP, ONE HOLE MALLEABLE IRON WITH BACK SPACER |
| AR | 49 | CONDUIT, 4" PVC PLASTIC, HEAVY WALL, RIGID, SCHEDULE 40 (FOR USE IN DUCT BANKS) |
| AR | 50 | CONDUIT COUPLING, 4" PLASTIC FOR USE WITH PVC PLASTIC CONDUIT |
| AR | 51 | PLASTIC GROUND WIRE MOLDING, 7'-0" LENGTH |
| AR | 52 | STAPLE - GALVANIZED, 3" x 1-1/16" x 1/4" |
| - | 53 | (NOT USED) |
| - | 54 | (NOT USED) |
| 2 | 55 | THIMBLE EYE NUT, 3/4" WITH 3/16" DIA HOLE CURVED WASHER AND ANGLE THIMBLE EYE BOLT, 3/4" x LENGTH AS REQUIRED |
| AR | 56 | DEADEND GRIP FOR GUY STRANDS |
| AR | 57 | GUY STRAIN INSULATOR, ANSI C29.4, CLASS 54.1 |

MATERIAL LIST

| QUANTITY | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------------------------------------------------------------------------------------|
| 3 | 1 | WOOD POLE, LENGTH AND CLASS AS SHOWN IN POLE SCHEDULE ON DWG H-2-822522 SH 1 |
| 46 | 2 | CROSSARM, WOOD (SOLID), 8'-0" x 4-5/8" x 3-5/8" WITH 4-11/16" PIN HOLES, REA M19, TYPE 03 |
| - | 3 | (NOT USED) |
| 46 | 4 | CROSSARM BRACE, WOOD, 42" SPAN, PAIR |
| - | 5 | (NOT USED) |
| AR | 6 | MACHINE BOLT, 1/2" x 6" WITH NUT |
| AR | 7 | WASHER, ROUND, 1-3/8" OD x 12 GA x 9/16" DIA HOLE |
| 33 | 8 | INSULATOR, DEADEND TYPE, 15 KV, EPOXY STEEL COMPOSITE, LEAKAGE DISTANCE 16 INCHES, 15000 LBS TENSILE STRENGTH |
| 33 | 9 | STRAIN CLAMP, FORGED STEEL, GALVANIZED |
| AR | 10 | BOLT, DOUBLE-ARMING, 5/8" DIA WITH 4 NUTS, LENGTH TO SUIT |
| AR | 11 | WASHER, SQUARE, 2-1/4" x 3/16" THK x 11/16" DIA HOLE |
| 33 | 12 | STANDARD EYE NUT, 5/8" |
| 90 | 13 | INSULATOR, PIN TYPE 1/2" NECK, 15 KV PORCELAIN, 1" THREAD PER ANSI 55-3, WITH RADIO NOISE FREE GLAZE |
| 90 | 14 | PIN FOR INSULATOR, FORGED STEEL, 1" LEAD THREAD WITH 5/8" SHANK x 12-1/2" LG |
| 10 | 15 | POLE TOP PIN, PRESSED STEEL, 1" DIA LEAD, 20" LENGTH |
| 2 | 16 | STANDOFF PIN, LAG SCREW TYPE, FORGED STEEL, HOT DIPPED GALVANIZED, 5/8" DIA SHANK, 1" DIA LEAD |
| AR | 17 | MACHINE BOLT, 5/8", LENGTH AS REQD WITH NUT |
| AR | 18 | CURVED WASHER, 3" x 3" x 1/4", 11/16" DIA HOLE |
| AR | 19 | CONDUCTOR, #2 ACSS SPARROW |
| AR | 20 | POWER CABLE, 15 KV, SHLD, #2 COPPER |
| - | 21 | (NOT USED) |
| 4 | 22 | CROSSARM BRACE, WOOD, 60" SPAN, PAIR |
| 4 | 23 | CROSSARM, WOOD (SOLID) 10'-0" LONG, REA M19 |
| 2 | 24 | FIBERGLASS INSULATED GUY SECTION, 10' LONG |
| AR | 25 | #2 ALUMINUM, STRANDED JUMPER WIRE |
| AR | 26 | COMPRESSION TYPE CONNECTOR, DUAL RATED FOR COPPER OR ALUMINUM WIRE |
| AR | 27 | GUY CABLE, 7 STRAND 7/16" SIEMENS-MARTIN |
| 32 | 28 | PREFORMED GUY GRIP OR 3 INCH, 3 BOLT GUY CLAMP |
| 8 | 29 | INSULATOR, GUY STRAIN, PORCELAIN, 20000 LBS TENSILE STRENGTH PER ANSI C29.4, CLASS 54-4 |
| 4 | 30 | PLASTIC GUY GUARD, YELLOW, 8" x 1-1/2" FULL ROUND |

MATERIAL LIST CONTINUED IN ZONES F3 - F5



EXPIRES 05/30/99

DESIGNED BY: G.L. AVERY
 CHECKED BY: RICHARD OPERATIONS OFFICE
 DATE: 05/30/99

U.S. DEPARTMENT OF ENERGY
 IGP ANDERSON COMPANY
 ELECTRICAL POLE DETAILS & ELEVATIONS

PROJECT: W-058, REPLACEMENT OF CROSS-SITE TRANSFER SYSTEM
 SHEET NO: H-2-822523 OF 4
 DATE: 05-30-99

SCALE: 1" = 10'-0"
 PLOT SCALE: 1" = 1'