NOTE:
AFFIX NON-CORROSIVE TAG TO FIXTURE FACING RUNWAY WITH SET SCREW, WIRE TIE, OR METAL BAND. NUMERALS SHALL BE ENGRAVED FOR PERMANENT READABILITY.

4" TOP SOIL, SEED & MULCH

18"(TYP.)

6" 9" 12" 15" 18" 21" 24"

1 2 3 4 5 6 7

3"(TYP.)

3"(TYP.)

3"(TYP.)

CABLE

EARTH BACKFILL WILL HAVE MAXIMUM 1" SIZE PARTICLES AND WILL BE PLACED IN TWO LIFTS AS APPROXIMATELY SHOWN (TYPICAL FOR ALL TRENCHES)

FINISHED GRADE

CABLES INSIDE UNIT DUCT AS SHOWN ON LIGHTING LAYOUT SHEET

18"

3"

PLOWED CABLE
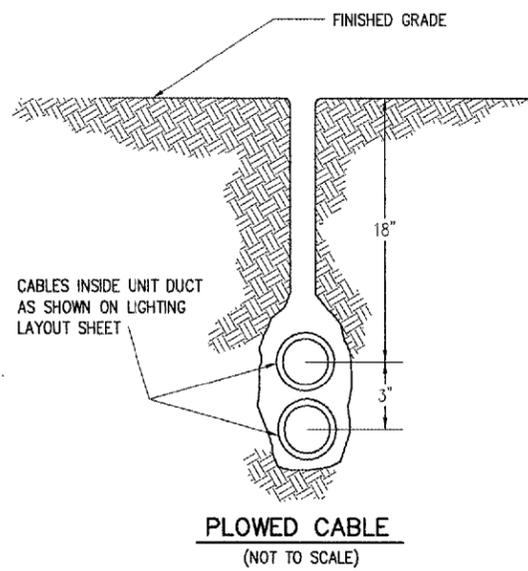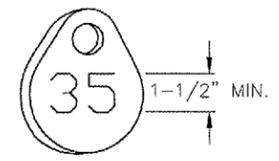(NOT TO SCALE)

1-1/2" MIN.
35

TAG DETAIL
(NOT TO SCALE)

NOTES:
1. DETAIL NUMBERS INDICATE NO. OF CABLES.
2. TRENCHES WITH MORE THAN SEVEN CABLES SHALL BE INCREASED 3" IN WIDTH FOR EACH ADDITIONAL CABLE; IF SPECIFIED ON PLANS TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
3. DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHER-WISE SPECIFIED ON THE PLANS.
4. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL TO TRENCH. RETURFING MATERIALS AND RATES MAY BE SHOWN ON THE PLANS.
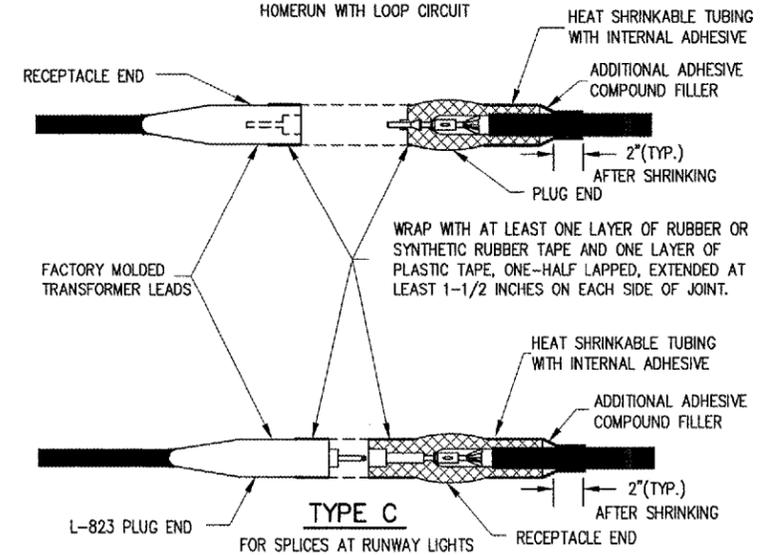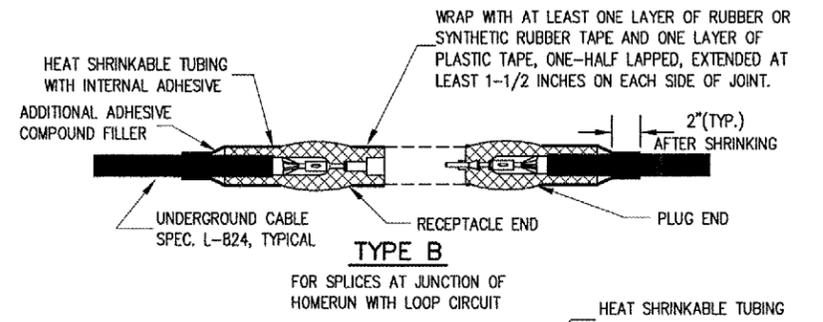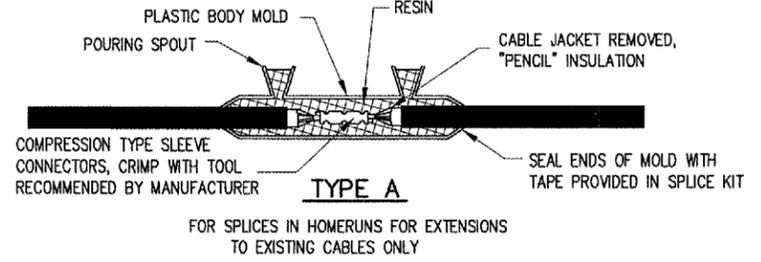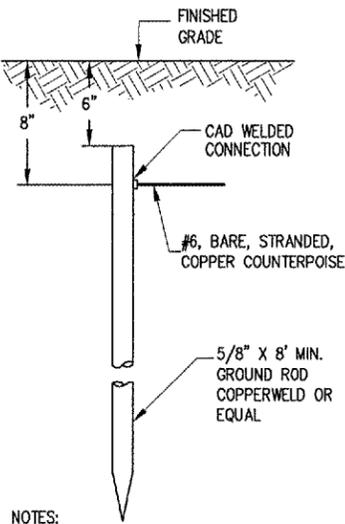
CABLE TRENCHES
(NOT TO SCALE)

FINISHED GRADE

8" 6"

CAD WELDED CONNECTION

#6, BARE, STRANDED, COPPER COUNTERPOISE

5/8" X 8' MIN. GROUND ROD COPPERWELD OR EQUAL

NOTES:
1. TYPE AND MINIMUM NUMBER OF GROUND RODS SHALL BE AS SPECIFIED ON THE PLAN.
2. THE RESISTANCE TO GROUND OF THE COUNTERPOISE GROUNDING SYSTEM SHALL NOT EXCEED 25 OHMS.
3. COST OF GROUND RODS IS INCIDENTAL TO THE ASSOCIATED ITEMS REQUIRING GROUNDING UNLESS OTHERWISE SPECIFIED.

GROUND ROD
(NOT TO SCALE)

L-830 TRANSFORMER

1' 1'

TYPICAL LIGHT

MIN. OF 3' OF SLACK IN EACH PRIMARY CABLE, BEND RADIUS 10" MIN.

10' TO PAVEMENT EDGE

1/C, #8, 5KV L-824 TYPE C CABLE

PLAN VIEW

LIGHT AND CABLE INSTALLATION DETAIL
(NOT TO SCALE)

FULL STRENGTH PAVEMENT

TYPICAL ELEVATED LIGHT

10' 2' 18"

1/C, #8, 5KV L-824 TYPE C CABLE

NOTES:
1. SEE LIGHTING LAYOUT SHEET FOR LIGHT LOCATIONS.
2. SEE SHEETS 33 AND 34 FOR ELECTRICAL NOTES.

PROFILE VIEW

10' TO PAVEMENT EDGE

L-861 OR L-862 AS SHOWN ON LIGHTING LAYOUT SHEET(S)

NUMBERING TAG

24"

BREAKABLE COUPLING

12"

GRADE

L-830 TRANSFORMER SIZE AS REQUIRED TO SERVE THE FIXTURE LOCATED 12" OUTBOARD OF THE LIGHT

18"

30"

1/C, #8, 5KV L-824 TYPE C CABLE IN UNIT DUCT

L-823 CONNECTORS

ENCASE TRANSFORMER, CONNECTORS AND CABLE SLACK IN SAND

CLIP (DO NOT USE)

30" ANGLE IRON STAKE

COLOR CODED TAPE FOR WIRE IDENTIFICATION, LOCATED WITHIN 6" OF L-823 CONNECTOR

MEDIUM INTENSITY LIGHT – STAKE MOUNTED
(NOT TO SCALE)

10' TO PAVEMENT EDGE

L-861 OR L-862 AS SHOWN ON LIGHTING LAYOUT SHEET(S)

NUMBERING TAG

24"

BASE PLATE

BREAKABLE COUPLING

COVER BOLTS

GRADE

SECONDARY LEAD WITH CONNECTOR

SMOOTH TROWEL FINISH (SLOPE TO DRAIN AWAY FROM LIGHT)

CONCRETE BACKFILL, (4" MIN.)

SHRINK TUBE

1/C, #8, 5KV L-824 TYPE C CABLE IN UNIT DUCT 18" BELOW GRADE

GROUND ROD 5/8"X8' MIN.

GROUND CLAMP

3/4" DIA. WEEP HOLE

6" SAND CUSHION

3" HUB CONDUIT EXTENSION (6" MINIMUM)

L-867, CLASS 1, SIZE B, 24" BASE

L-823 CONNECTOR

L-830 TRANSFORMER, SIZE AS REQUIRED TO SERVE FIXTURE

BRICK

PROVIDE 3 FEET MIN. OF SLACK IN EACH PRIMARY CABLE

COLOR CODED TAPE FOR WIRE IDENTIFICATION LOCATED WITHIN 6" OF L-823 CONNECTOR

MEDIUM/HIGH INTENSITY LIGHT – BASE MOUNTED
(NOT TO SCALE)

PLASTIC BODY MOLD

POURING SPOUT

RESIN

CABLE JACKET REMOVED, "PENCIL" INSULATION

COMPRESSION TYPE SLEEVE CONNECTORS, CRIMP WITH TOOL RECOMMENDED BY MANUFACTURER

SEAL ENDS OF MOLD WITH TAPE PROVIDED IN SPLICE KIT

TYPE A

FOR SPLICES IN HOMERUNS FOR EXTENSIONS TO EXISTING CABLES ONLY

WRAP WITH AT LEAST ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDED AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.

HEAT SHRINKABLE TUBING WITH INTERNAL ADHESIVE

ADDITIONAL ADHESIVE COMPOUND FILLER

2"(TYP.) AFTER SHRINKING

UNDERGROUND CABLE SPEC. L-824, TYPICAL

RECEPTACLE END

PLUG END

TYPE B

FOR SPLICES AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT

HEAT SHRINKABLE TUBING WITH INTERNAL ADHESIVE

ADDITIONAL ADHESIVE COMPOUND FILLER

RECEPTACLE END

FACTORY MOLDED TRANSFORMER LEADS

2"(TYP.) AFTER SHRINKING

PLUG END

WRAP WITH AT LEAST ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDED AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.

HEAT SHRINKABLE TUBING WITH INTERNAL ADHESIVE

ADDITIONAL ADHESIVE COMPOUND FILLER

L-823 PLUG END

2"(TYP.) AFTER SHRINKING
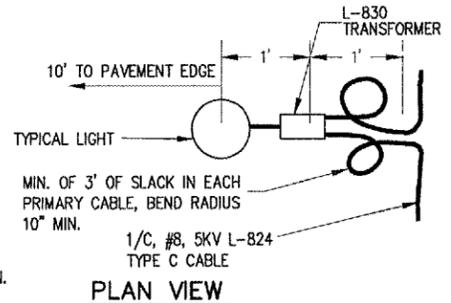
RECEPTACLE END

TYPE C

FOR SPLICES AT RUNWAY LIGHTS

NOTES:
SEE LIGHTING LAYOUT SHEET(S) FOR SPLICE TYPE.
INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.
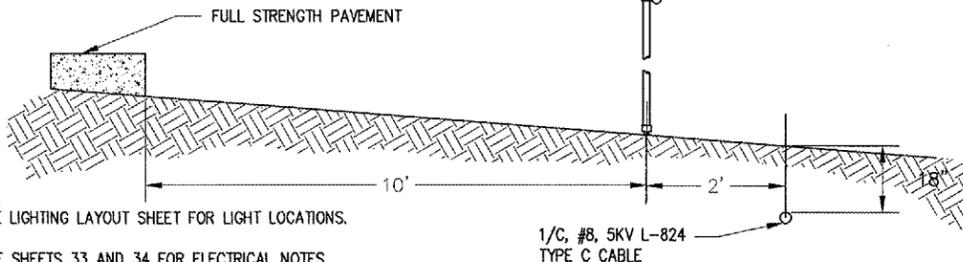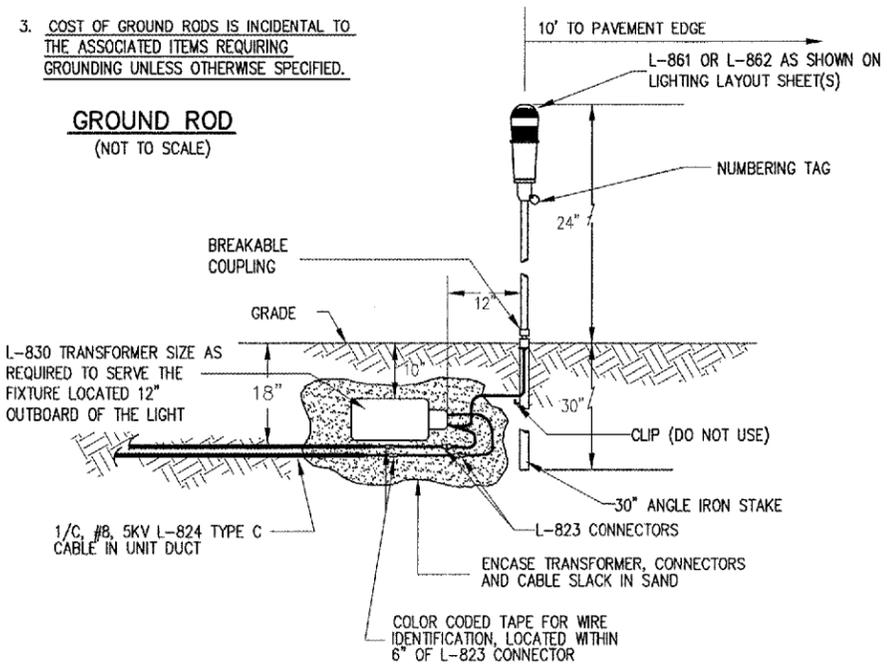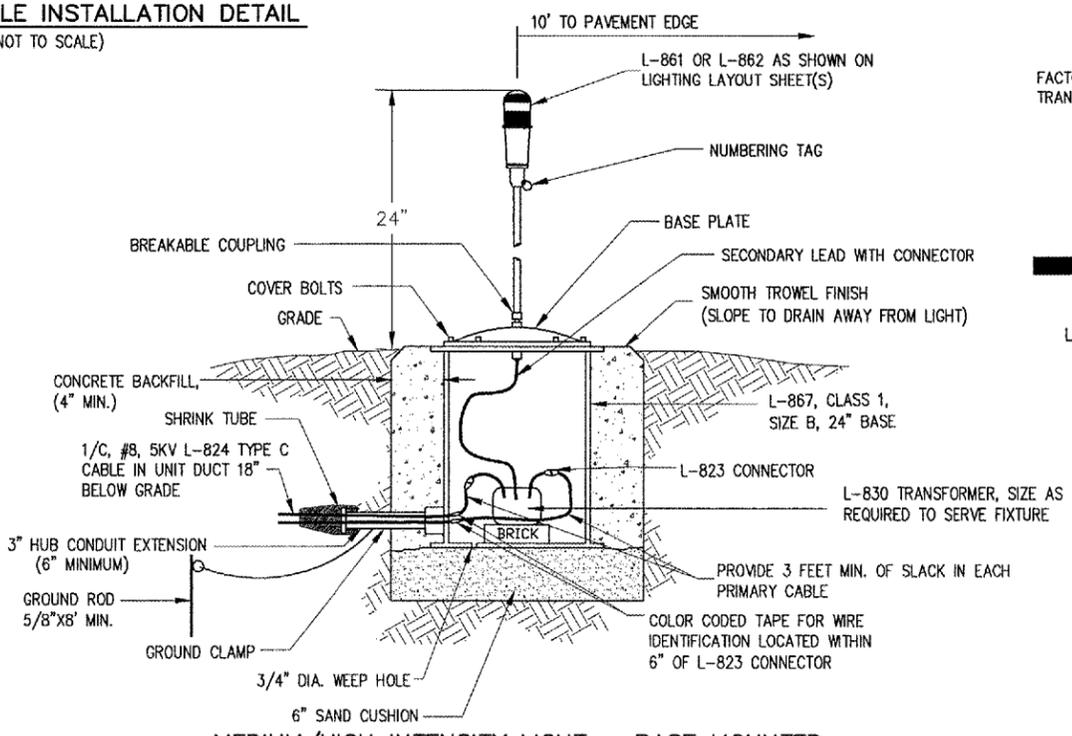
CABLE SPLICES
(NOT TO SCALE)