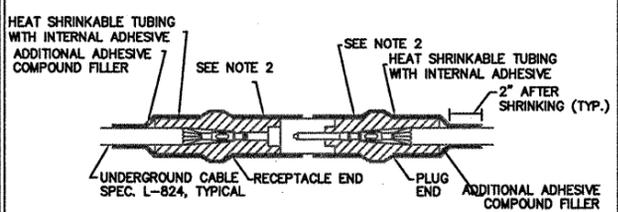
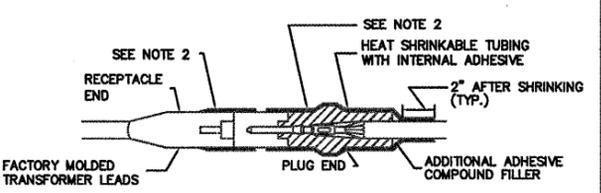


**TYPE A**  
CABLE REPAIR SPLICE



**TYPE B**  
ELEC. CABINET AND ELEC. MANHOLE SPLICE

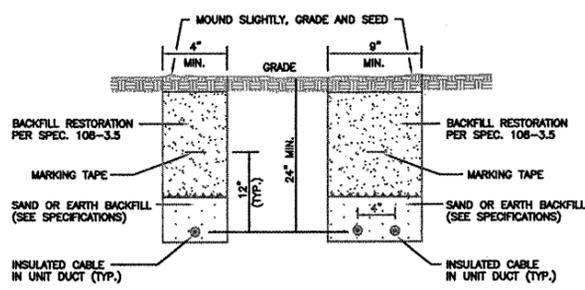


**TYPE C**  
LIGHT BASE SPLICE

**CABLE SPLICES**  
NOT TO SCALE

**NOTES**

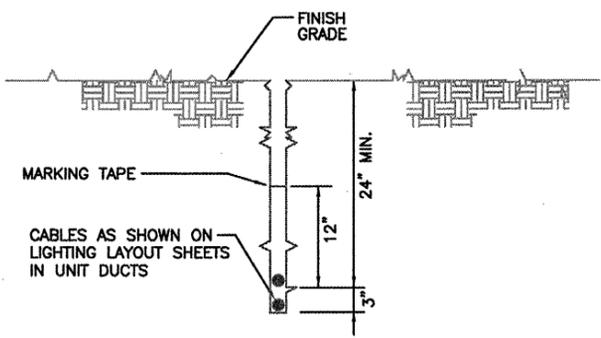
- INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE OF THE CABLE.
- WRAP WITH AT LEAST ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.
- TO FURTHER REDUCE THE POSSIBILITY OF WATER/MOISTURE ENTRANCE INTO THE CONNECTOR BETWEEN THE CABLE AND THE FIELD ATTACHED CONNECTOR, IT IS REQUIRED THAT A HEAT SHRINK TUBING WITH INTERNAL ADHESIVE BE APPLIED OVER THE ENTIRE CABLE.
- SPLICE CAN SHALL BE REQUIRED FOR ALL TYPE A SPLICE LOCATIONS. THE COST SHALL BE INCIDENTAL TO THE CABLE REPAIR.



**TRENCH DETAIL FOR CABLE IN UNIT DUCT**  
NOT TO SCALE

**NOTES**

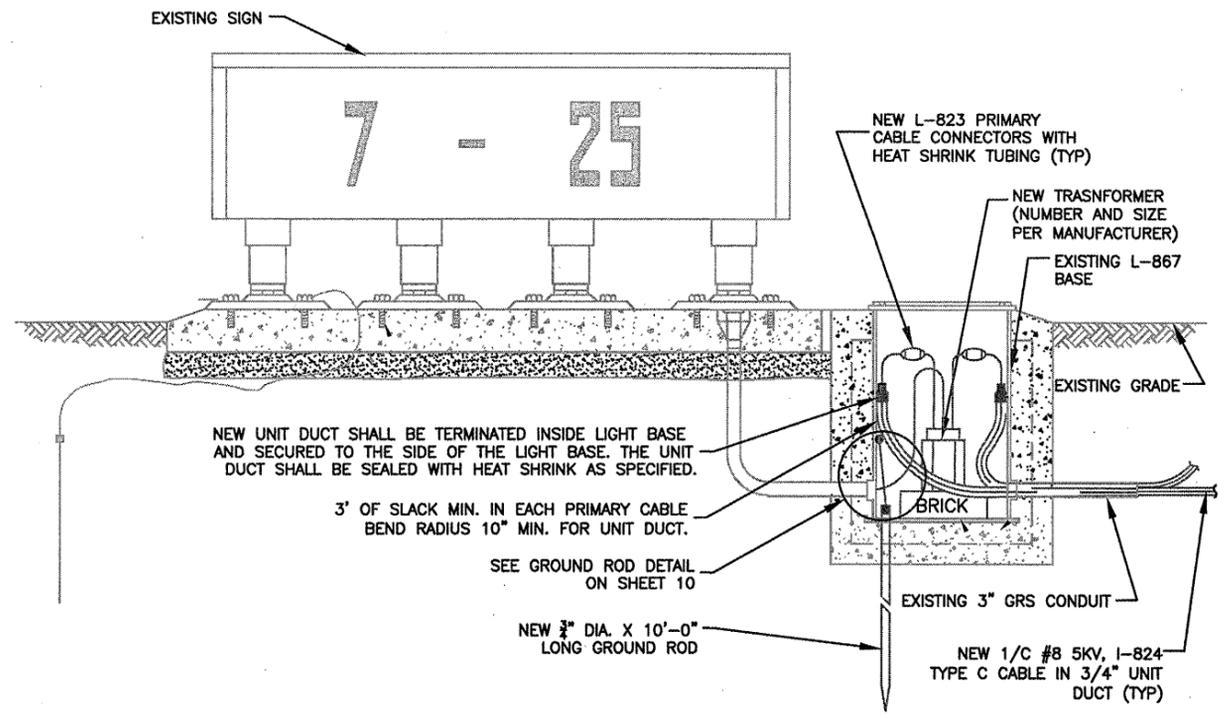
- TRENCHES WITH MORE THAN 2 CABLES SHALL BE INCREASED 3" IN WIDTH FOR EACH ADDITIONAL CABLE. IF SPECIFIED ON PLANS, TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
- DEPTH OF TRENCHES FOR AIRFIELD LIGHTING SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS. DEPTH OF FAA CABLES SHALL BE 36" UNLESS OTHERWISE SHOWN.
- SAND BACKFILL SHALL BE USED IF THE EXISTING SOIL DOES NOT MEET THE BACKFILL REQUIREMENTS.
- ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL TO TRENCH RETURNING MATERIALS.
- THE CONTRACTOR SHALL HAVE THE OPTION TO TRENCH OR PLOW UNIT DUCT. NO ADDITIONAL PAYMENT SHALL BE MADE FOR TRENCHING.



**PLOWED CABLE IN UNIT DUCT**  
NOT TO SCALE

**NOTES**

- ONLY CABLES OF THE SAME CIRCUIT WILL BE ALLOWED TO BE PLOWED IN TOGETHER.
- THE CONTRACTOR SHALL HAVE THE OPTION TO TRENCH OR PLOW UNIT DUCT. NO ADDITIONAL PAYMENT SHALL BE MADE FOR TRENCHING.



**AR800813 REFRUB. AND GROUND GUIDANCE SIGN**  
NOT TO SCALE

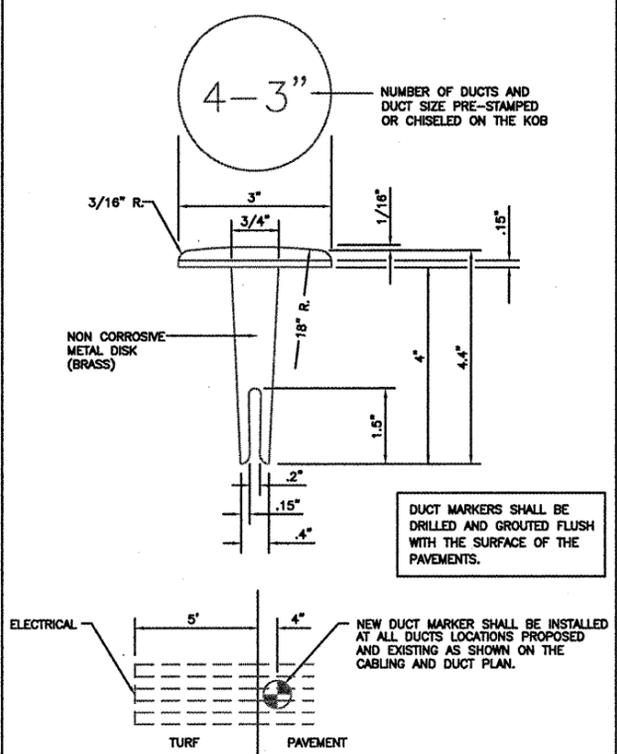
NEW UNIT DUCT SHALL BE TERMINATED INSIDE LIGHT BASE AND SECURED TO THE SIDE OF THE LIGHT BASE. THE UNIT DUCT SHALL BE SEALED WITH HEAT SHRINK AS SPECIFIED.

3' OF SLACK MIN. IN EACH PRIMARY CABLE BEND RADIUS 10" MIN. FOR UNIT DUCT.

SEE GROUND ROD DETAIL ON SHEET 10

NEW 1/2" DIA. X 10'-0" LONG GROUND ROD

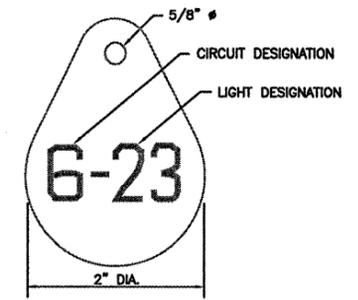
NEW 1/C #8 5KV, I-824 TYPE C CABLE IN 3/4" UNIT DUCT (TYP)



**DUCT MARKER DETAIL**  
NOT TO SCALE

DUCT MARKERS SHALL BE DRILLED AND GROUTED FLUSH WITH THE SURFACE OF THE PAVEMENTS.

NEW DUCT MARKER SHALL BE INSTALLED AT ALL DUCTS LOCATIONS PROPOSED AND EXISTING AS SHOWN ON THE CABLING AND DUCT PLAN.



**LIGHT IDENTIFICATION DETAIL**  
NOT TO SCALE

**NOTES**

- INSTALL A NONCORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH A SET SCREW.
- NUMERALS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. ALL EXISTING AND PROPOSED TAXIWAY AND RUNWAY LIGHTS SHALL BE TAGGED AS DIRECTED BY THE RESIDENT ENGINEER. ALL LIGHTS ON EXISTING CIRCUITS THAT HAVE LIGHTING IMPROVEMENTS (PROPOSED OR RELOCATED LIGHTS) SHALL BE RETAGGED.
- COST OF TAGGING LIGHTS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

**ELECTRICAL DETAILS 1**  
**TAXIWAYS A**

WH007



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JOSEPH H. BITTORF FIELD

Whiteside County  
Airport

Sterling / Rock Falls,  
Illinois

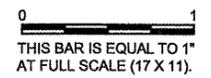
Whiteside County  
Airport

AIP: 3-17-0098-B14  
SQI-3830

REHABILITATE  
TAXIWAY EDGE  
LIGHTS (PARALLEL  
/ CONNECTING  
TAXIWAYS A AND E  
EAST OF RUNWAY  
18/36)

**Revisions**

No.	Date	Description



THIS BAR IS EQUAL TO 1" AT FULL SCALE (17 X 11).

DESIGN BY:	CMT-RFD
DRAWN BY:	CMT-RFD
CHECKED BY:	CMT-RFD
APPROVED BY:	JGP
DATE:	7.25.2008
JOB No:	08292-04-00

**ELECTRICAL**  
**DETAILS 1**  
**TXYS A**  
**(EDT1)**

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