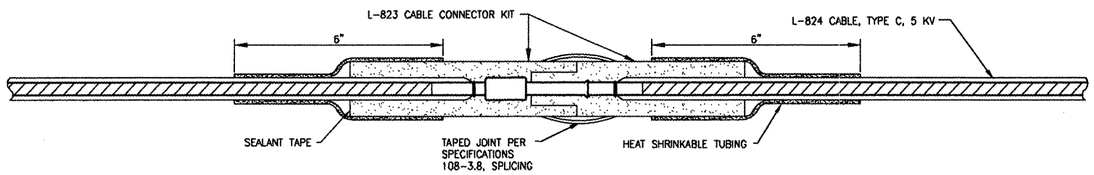
LETTING ITEM NUMBER
1A

LETTING CONTRACT NUMBER
W1053

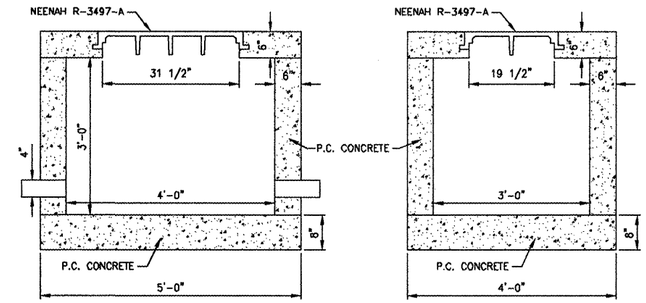
TOTAL SHEETS: 15

CABLE SPLICING NOTES:

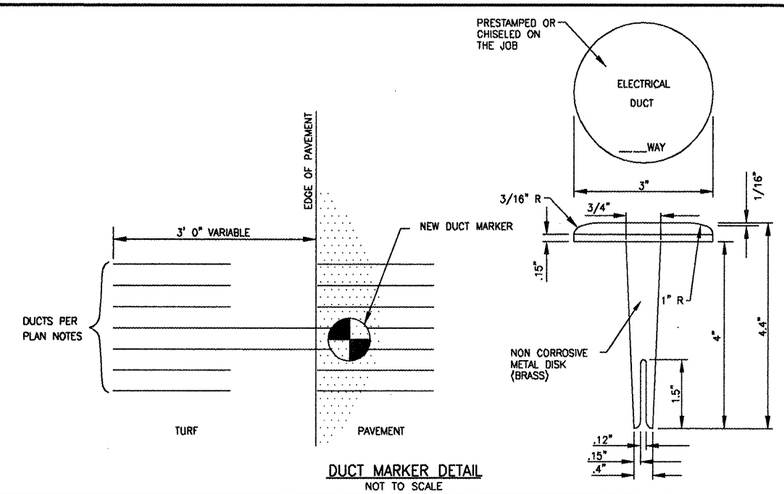
1. HEAT-SHRINKABLE TUBING WILL NOT BE REQUIRED FOR ISOLATION TRANSFORMER PRIMARY CONNECTORS WHICH ARE MOLDED ON TO THE CABLE LEADS AT THE FACTORY.
2. THE SEALANT TAPE AROUND THE CONNECTOR SHALL BE WATER INSOLUBLE, MAINTAINING ELASTICITY OVER WIDE RANGE OF TEMPERATURE, AND SHALL BE RAYCHEM NO. 5-1011 OR APPROVED EQUAL.
3. HEAT-SHRINKABLE TUBING SHALL HAVE MINIMUM EXPANDED I.D. OF 1.200", MAXIMUM RECOVERED I.D. OF .300", MINIMUM EXPANDED WALL THICKNESS OF .04", NOMINAL RECOVERED WALL THICKNESS OF 0.17", A MASTIC WATER SEALANT COATING APPLIED ON THE INSIDE, AND SHALL BE RAYCHEM NO. WCS-300-6-S OR APROVED EQUAL.
4. MINIMUM LENGTH OF THE HEAT-SHRINKABLE TUBING SHALL BE 6".
5. CLEAN THE CABLE INSULATION BEFORE APPLYING THE TUBING WITH A SOLVENT SPECIFIED BY THE TUBING MANUFACTURER.
6. TO HEAT THE TUBING, USE PROPANE TORCH, OR ELECTRIC HEATER RECOMMENDED BY THE TUBING MANUFACTURER.
7. BEGIN HEATING THE TUBING AT THE CENTER, GO COMPLETELY AROUND, THEN MOVE TOWARD THE ENDS.
8. CONTINUE HEATING THE TUBING UNTIL IT SHRINKS COMPLETELY AND THE SEALANT IS BEING SQUEEZED OUT AT BOTH ENDS.
9. IF THERE IS ANY NOTICEABLE HEAT DAMAGE TO THE CABLE OR THE TUBING, THE CONNECTION, INCLUDING THE DAMANGED PORTION, WILL BE REMOVED AND ANOTHER CONNECTION MADE.
10. ALLOW THE CONNECTION TO COOL BEFORE HANDLING.
11. INSTALL THE CONNECTIONS WITHOUT BENDING THEM.



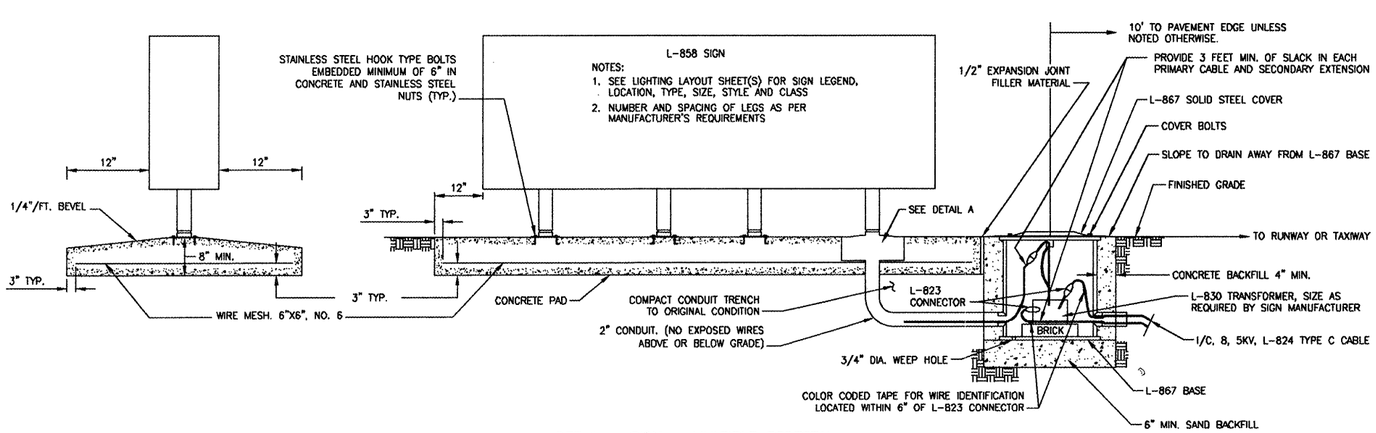
DETAIL - CABLE SPLICING
NOT TO SCALE



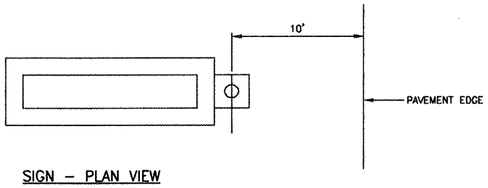
ELECTRICAL HANDHOLE DETAIL
NOT TO SCALE



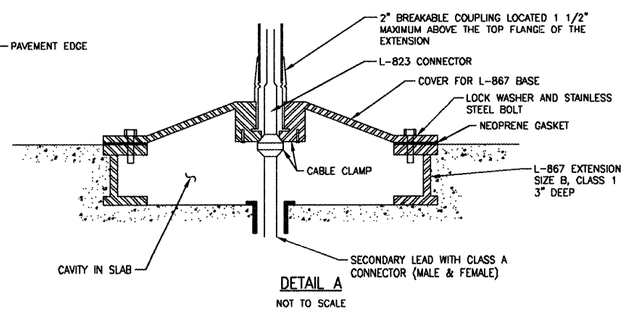
DUCT MARKER DETAIL
NOT TO SCALE



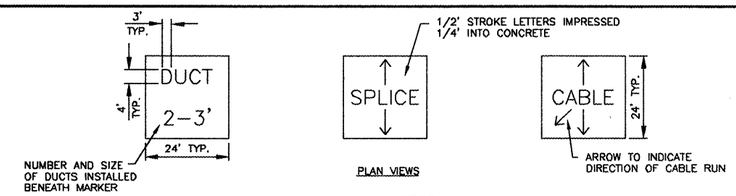
DETAIL - SIGN - MULTIPLE PEDESTAL
NOT TO SCALE

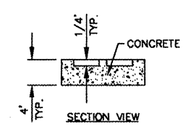


SIGN - PLAN VIEW
NOT TO SCALE



DETAIL A
NOT TO SCALE





NOTES

1. MARKERS SHALL BE PLACED AS SPECIFIED IN ITEMS 108, 109 & 125 OF THE SPECIFICATIONS.
2. COST OF CONCRETE MARKERS IS INCIDENTAL TO THE ASSOCIATED ITEMS OF DUCT OR CABLE.
3. EDGE EXPOSED CONCRETE WITH A 1/4" RADIUS TOOL.
4. WHERE ADDITIONAL SPACE TO FIT THE LEGEND IS REQUIRED, SOME OF THE FOLLOWING METHODS SHALL BE EMPLOYED.
   A. REDUCE LETTER SIZE TO 3" HIGH, 2" WIDE.
   B. INCREASE THE MARKER SIZE TO 30" X 30" MAX.
   C. PROVIDE ADDITIONAL MARKERS PLACED SIDE BY SIDE.

CABLE AND DUCT MARKERS
NOT TO SCALE

ILLINOIS PROJECT NO. MWA-3562
PROJECT NO. 3-17-0065-

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

REVISIONS	
DATE	NO.

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ELECTRICAL DETAILS
CONSTRUCTION OF TAXIWAY E & E1 PHASE I
WILLIAMSON COUNTY REGIONAL AIRPORT
MARION - HERRIN, ILLINOIS

Date 3/12/08	DR. By TDE	CK'D By CM
Scale N.T.S.	Job No. 07141	Sheet No. 14 of 15

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