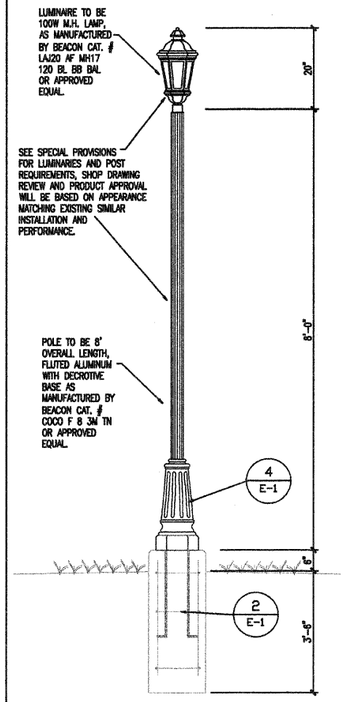
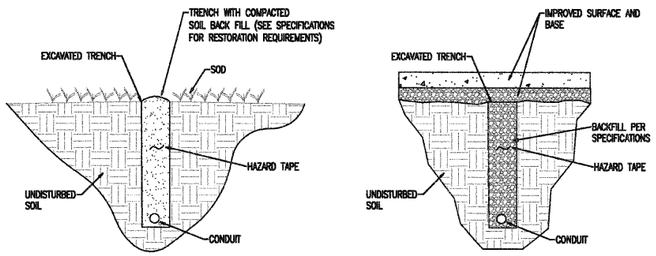
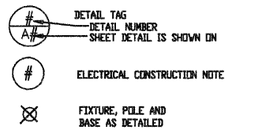


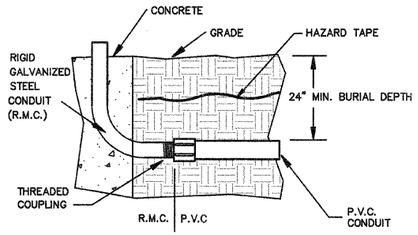
1 E-1 SITE LIGHTING POST DETAIL
NO SCALE



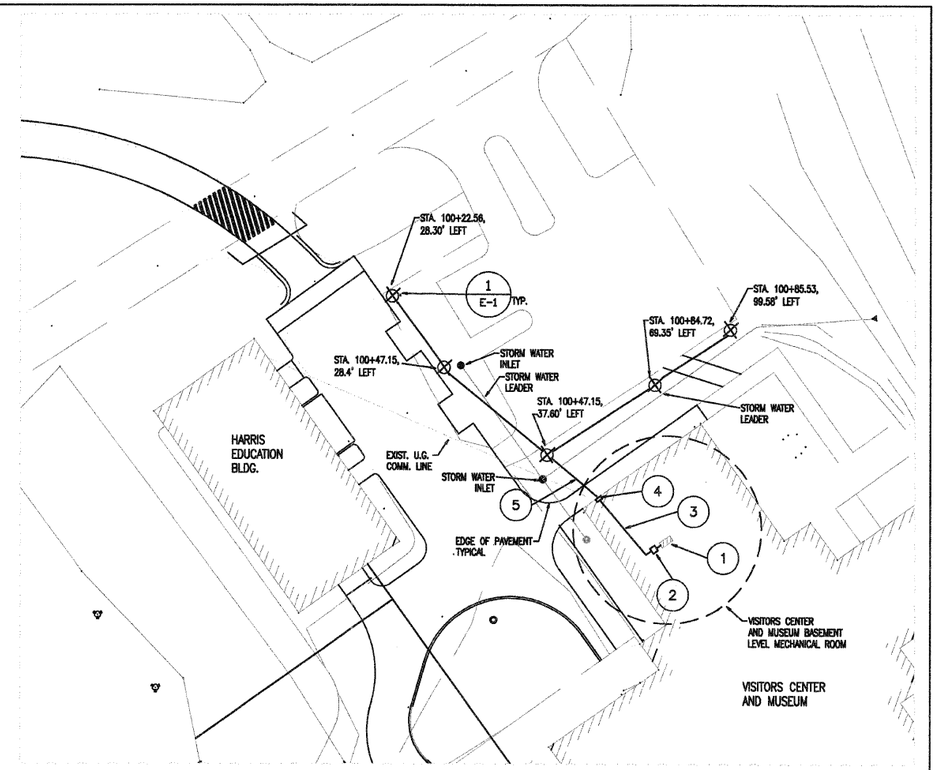
TYPICAL CONDUIT TRENCHING DETAILS
NO SCALE

ELECTRICAL NOTE AND TAG LEGEND

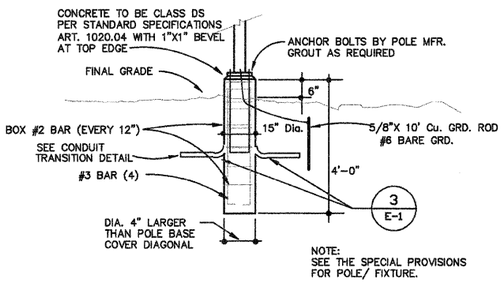




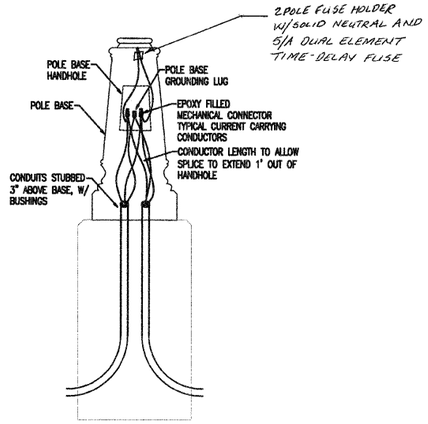
3 E-1 TYPICAL CONDUIT TRANSITION
NO SCALE



SITE LIGHTING PLAN
1"=20'-0"



2 E-1 TYPICAL POLE BASE
NO SCALE



4 E-1 BASE ELECTRICAL CONNECTION DETAIL
NO SCALE

GENERAL ELECTRICAL CONSTRUCTION NOTES:

1) CONTRACTOR SHALL CUT AND PATCH AS REQUIRED DURING THE COURSE OF INSTALLATION OR AS SPECIFIED ON THE DRAWINGS.

2) ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL, STATE AND NATIONAL CODES WHICH APPLY AS INTERPRETED I.D.O.T..

3) ALL WORK IS TO BE COORDINATED WITH ALL OTHER TRADES ON THIS PROJECT AND ELECTRICAL WORK INSTALLED IN A NEAT AND ORDERLY FASHION.

4) THE ELECTRICAL DRAWINGS ARE SCHEMATIC AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT, THE DRAWINGS SHALL NOT BE SCALED TO DETERMINE EQUIPMENT CONNECTION OR ROUGH-IN. REFER TO EQUIPMENT CUT-SHEETS AND RESPONSIBLE TRADES.

5) ALL CONDUCTORS OF THE ELECTRICAL SYSTEM SHALL BE COPPER, 600V, XLP - TYPE USE.

6) ALL CONDUIT SHALL BE MINIMUM 3/4" TRADE SIZE, EMT WHEN INSTALLED INDOORS IN DRY LOCATIONS, RMC WHEN INSTALLED OUTDOOR OR INDOORS IN DAMP\WET LOCATIONS, RMC, LFNC WHEN EXPOSED OUTDOORS AND, RNC OR RNC-40 WHEN INSTALLED IN CONCRETE OR BELOW GRADE. FINAL CONNECTIONS TO ALL EQUIPMENT, WHICH PRODUCE VIBRATION SHALL BE WITH FLEXIBLE NON-METALIC CONDUIT SUITABLE FOR THE SURROUNDING ENVIRONMENT. CONDUIT TURNING UP FROM BELOW GRADE OR FROM WITHIN CONCRETE SHALL BE RMC.

7) RACEWAY FILL, WHEN RACEWAY SIZE IS NOT SPECIFICALLY INDICATED, SHALL BE BASED ON APPLICABLE ARTICLES OF THE NEC.

8) CIRCUIT ROUTING, IN GENERAL, IS NOT SPECIFIED UNLESS SPECIFIC REQUIREMENTS EXIST, ROUTING OF CIRCUITS WILL HAVE EFFECTS ON CIRCUIT VOLTAGE DROPS. CONTRACTOR SHALL COORDINATE ROUTING LENGTH WITH CONNECTED LOAD AND ADJUST CONDUCTOR SIZE FOR A VOLTAGE DROP LESS THAN 3%.

9) ALL CONDUITS SHALL BE INSTALLED CONCEALED IN SPACES OF NEW CONSTRUCTION, WHICH ARE TYPICALLY OCCUPIED. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL EQUIPMENT WITH EXISTING CONDITIONS TO MAINTAIN ACCESS REQUIRED BY THE N.E.C. AND EQUIPMENT MANUFACTURERS.

10) SERVICE VOLTAGE AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN, DISCREPANCIES BETWEEN THE ELECTRICAL DRAWINGS AND EQUIPMENT REQUIREMENTS SHALL BE REPORTED TO THE ENGINEER BEFORE ANY ASSOCIATED WORK IS INSTALLED.

13) INDEXES OF ELECTRICAL PANELS SHALL BE REVISED TO REFLECT COMPLETED WORK.

15) CONTRACTOR SHALL REFERENCE THE PROJECT SITE PLANS FOR ELECTRIC, TELEPHONE, CABLE T.V. AND ALL OTHER UTILITIES. EXECUTION OF NEW WORK SHALL BE COMPLETED TO AVOID AND PROTECT EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES AS THE RESULT OF THIS PROJECT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR NO COST TO THE DEPARTMENT.

16) CONTRACTOR SHALL SUPPLY, INSTALL AND CONNECT ASTRONOMIC TIME CLOCK TO LIGHTING CIRCUITS. CONTRACTOR SHALL COORDINATE WITH THE OWNER/FACILITY STAFF AND PROVIDE TRAINING OF OPERATION AND PROGRAMMING.

TAGGED ELECTRICAL NOTES:

1. THE NEW SITE LIGHTING CIRCUIT SHALL ORIGINATE IN THE EXISTING 480/277V BRANCH PANEL DESIGNATED AS "G", FROM THE EXISTING 1P20A BREAKER LOCATED IN SPACE #5. REVISE PANEL INDEX TO REFLECT NEW CIRCUIT. EXTEND 2-#10'S, #10 GRD. IN 3/4"C TO THE TIME CLOCK AND CONNECT TO SUPPLY THE TIME CLOCK AND TO SUPPLY THE SITE LIGHTING CIRCUIT.

2. THE NEW TIME CLOCK SHALL BE WALL MOUNTED SUCH THAT THE TOP IS 5'-4" ABOVE FINISH FLOOR, IN AVAILABLE SPACE SO AS TO BE ACCESSIBLE.

3. EXTEND 2-#10'S, #10 GRD. IN 3/4"C UP WALL AND ACROSS CEILING FROM TIME CLOCK TO A JUNCTION BOX AS NOTED.

4. TERMINATE EMT IN A NEMA 1 PULL BOX ON THE WALL AT THE POINT THE CIRCUIT WILL PENETRATE THE EXTERIOR CONCRETE WALL IN ORDER TO MAINTAIN MINIMUM BURIAL DEPTH UNDERGROUND. CIRCUIT SHALL NOT CONTAIN SPLICES AT THIS POINT. EXTEND 3/4 PVC CONDUIT FROM BACK OF BOX DIRECTLY THROUGH CONCRETE WALL SEAL CONDUIT PENETRATION WATERTIGHT. EXTEND CIRCUIT TO SITE LIGHTING POLES.

5. REFERENCE TYPICAL TRENCH DETAILS AND CONTINUE CIRCUIT LOOPING THROUGH POLE BASES TO FEED ALL FIXTURES. SEE TYPICAL DETAILS FOR POLE INSTALLATION.

Rev.

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN - D.M.U.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE - 3/10/08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE LIGHTING PLAN AND DETAILS
LINCOLN LOG CABIN STATE HISTORIC SITE

SCALE: 1"=20' | SHEET NO. 12 OF 12 SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COLES	12	12
		CONTRACT NO. 46002		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		