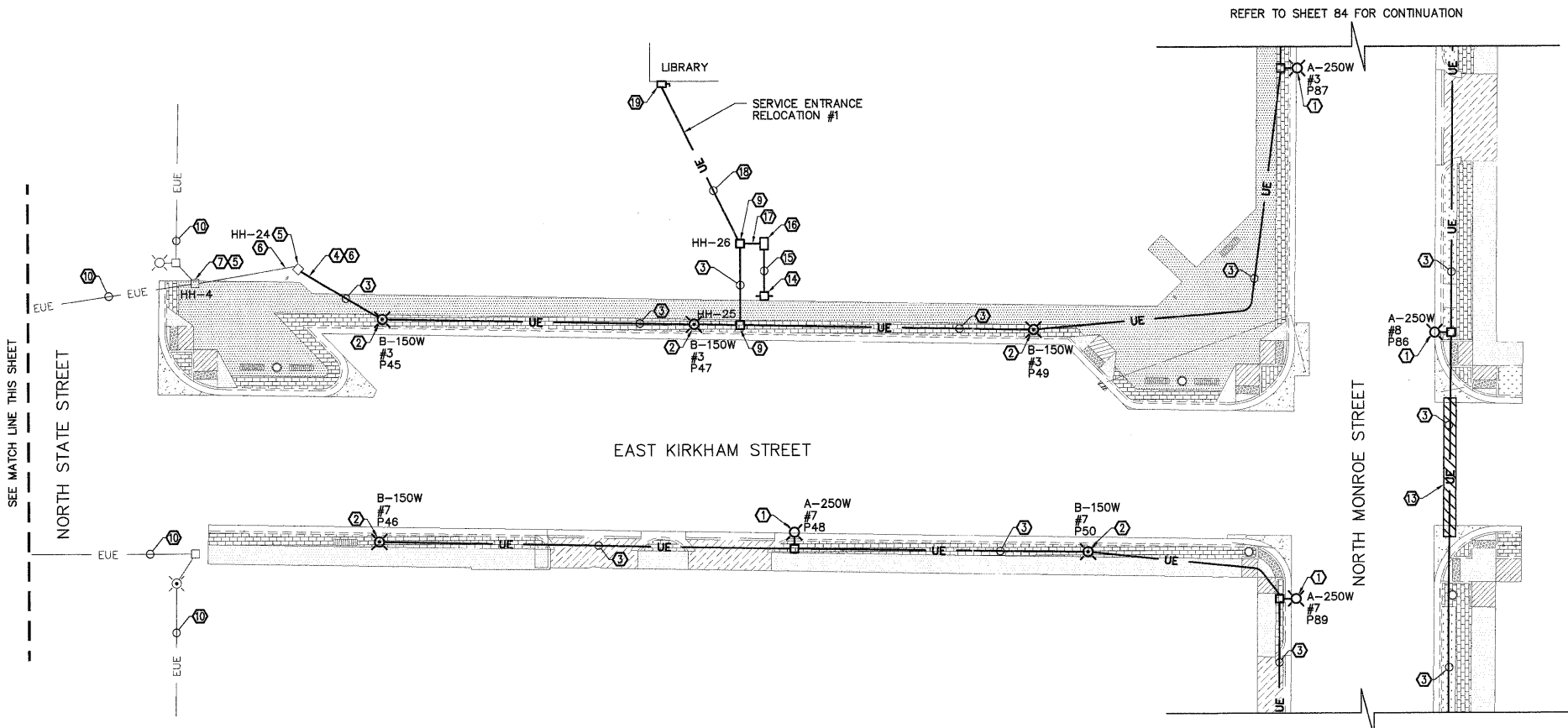


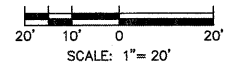
WEST KIRKHAM STREET DEVELOPMENT DETAIL
SCALE: 1"=20'-0"



EAST KIRKHAM STREET DEVELOPMENT DETAIL
SCALE: 1"=20'-0"

- GENERAL NOTES:**
- EXISTING OVERHEAD LINES REMOVED FROM DETAILS FOR CLARITY. CONTRACTOR RESPONSIBLE FOR LOCATING AND AVOIDING OVERHEAD LINES TO REMAIN WHILE PERFORMING SPECIFIED WORK.
 - REFER TO SHEET 91 AND 92 FOR ONE LINE ELECTRICAL LAYOUT DETAILS.
 - ALL PERSONNEL SHALL BE FULLY TRAINED IN THEIR RESPECTIVE DUTIES AS PART OF THE DIRECTIONAL BORING CREW AND IN SAFETY. TRAINING SHALL BE PROVIDED SPECIFIC TO THE PROJECT. IF ANY POTENTIAL HAZARDS MAY BE ENCOUNTERED WHICH HAS NOT ALREADY BEEN INCLUDED IN PERSONNEL'S TRAINING.
 - CONTRACTOR SHALL NOTIFY ALL COMPANIES WITH UNDERGROUND UTILITIES IN THE WORK AREA VIA THE STATE OR LOCAL "ONE-CALL" TO OBTAIN UTILITY LOCATES. ONCE THE UTILITIES HAVE BEEN LOCATED CONTRACTOR SHALL PHYSICALLY IDENTIFY THE EXACT LOCATION OF THE UTILITIES BY VACUUM OR HAND EXCAVATION, WHEN POSSIBLE, IN ORDER TO DETERMINE THE ACTUAL LOCATION AND PATH OF ANY UNDERGROUND UTILITIES WHICH MIGHT BE WITHIN 20 FEET OF THE BORE PATH. CONTRACTOR SHALL NOT COMMENCE BORING OPERATIONS UNTIL THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE WORK AREA HAVE BEEN VERIFIED.
 - CONTRACTOR SHALL ADHERE TO ALL APPLICABLE STATE, FEDERAL AND LOCAL SAFETY REGULATIONS AND ALL OPERATIONS SHALL BE CONDUCTED IN SAFE MANNER. SAFETY MEETINGS SHALL BE CONDUCTED AT LEAST WEEKLY WITH A WRITTEN RECORD OF ATTENDANCE AND TOPIC SUBMITTED TO ENGINEER.
 - ALL EXCAVATIONS WILL BE BACKFILLED AND COMPACTED TO 95% OF ORIGINAL DENSITY.
 - THE CITY OF LITCHFIELD TO OBTAIN AND PROVIDE ALL EASEMENTS ON PROPERTY NOT OWNED BY THE CITY.

- KEYED NOTES:**
- DECORATIVE LIGHTING UNIT, TYPE "D2" - PROVIDE NEW LIGHT FIXTURE TYPE 'A' WITH 250 WATT LAMP AND 120V RECEPTACLE. CONNECT LAMP AND RECEPTACLE TO NEW UNDERGROUND CIRCUITRY. REFER TO DETAIL 90 FOR ADDITIONAL DETAILS.
 - DECORATIVE LIGHTING UNIT, TYPE "D3" - PROVIDE NEW LIGHT FIXTURE TYPE 'B' WITH 150 WATT LAMP AND 120V RECEPTACLE. CONNECT LAMP AND RECEPTACLE TO NEW UNDERGROUND CIRCUITRY. REFER TO DETAIL 90 FOR ADDITIONAL DETAILS.
 - PROVIDE NEW UNDERGROUND 2" PVC CONDUIT IN TRENCH. REFER TO DETAIL 2/90 FOR TRENCH DETAILS. REFER TO SHEETS 91 AND 92 FOR QUANTITY AND SIZE OF CONDUCTORS TO BE PROVIDED IN CONDUIT.
 - CONNECT NEW 2" PVC CONDUIT TO EXISTING CONDUIT TO REMAIN OR TO EXISTING HAND HOLE.
 - EXISTING HANDHOLE TO REMAIN.
 - EXISTING EMPTY CONDUIT TO REMAIN AND BE USED FOR EXTENSION OF ELECTRICAL CIRCUITS.
 - TAP ELECTRICAL CONDUCTORS FOR EXISTING LIGHT CIRCUIT #3 IN HANDHOLE (HH-4) AND EXTEND TO NEW LIGHT FIXTURES SHOWN.
 - TAP ELECTRICAL CONDUCTORS FOR EXISTING LIGHT CIRCUIT #4 IN HANDHOLE (HH-2) AND EXTEND TO NEW LIGHT FIXTURES SHOWN.
 - PROVIDE NEW COMPOSITE CONCRETE HANDHOLE. REFER TO DETAIL 1/90 FOR ADDITIONAL DETAILS.
 - EXISTING UNDERGROUND CONDUIT AND ELECTRICAL CONDUCTORS TO REMAIN.
 - EXISTING UNDERGROUND CONDUIT AND ELECTRICAL CONDUCTORS TO REMAIN. REFER TO SHEETS 91 AND 92 FOR QUANTITY AND SIZE OF CONDUCTORS TO BE PROVIDED IN CONDUIT.
 - MODIFY EXISTING LIGHTING CONTROLLER - EXISTING MILBANK (MODEL #CP3B52C1XK22AOSP2) ELECTRICAL CONTROL BOX TO REMAIN. PROVIDE 6-NEW 20 AMP SINGLE POLE BREAKERS AND 1-NEW 30 AMP DOUBLE POLE BREAKERS IN EXISTING CONTROL BOX FOR NEW LIGHTING AND RECEPTACLE CIRCUITS. REFER TO SHEET 92.
 - DIRECTIONAL BORE (CONDUIT, BORED AND PULLED) UNDER STREET TO INSTALL NEW ELECTRICAL CONDUIT.
 - NEW UTILITY POLE TO BE PROVIDED BY AMEREN.
 - LIGHTING CONTROLLER, SPECIAL - PROVIDE 3" PVC CONDUIT CONNECTED TO NEW UTILITY POLE PER AMEREN REQUIREMENTS. ROUTE CONDUIT FROM SECONDARY WIRING ON UTILITY POLE (AT AMEREN REQUIRED HEIGHT) TO NEW METER PEDESTAL WITH (3)-#3/0 CONDUCTORS. PROVIDE ADEQUATE WIRE LENGTH FOR AMEREN TO MAKE CONNECTIONS TO OVERHEAD SECONDARY CONDUCTORS.
 - LIGHTING CONTROLLER, SPECIAL - PROVIDE 120/240V, 1φ, 200 AMP METERED SERVICE PEDESTAL (MILBANK MODEL #CP3B52C1XK22AOSP2) ON CONCRETE FOUNDATION (PER MANUFACTURER'S WRITTEN RECOMMENDATION). CONNECT SERVICE CONDUCTORS FROM UTILITY POLE TO METER. PROVIDE #4 GROUNDING ELECTRODE CONDUCTOR FROM METER PEDESTAL TO 3/4" X 10'-0" LONG COPPER CLAD GROUND ROD. REFER TO DETAIL 6/90.
 - PROVIDE FOUR UNDERGROUND EMPTY 3" PVC CONDUITS FROM METER PEDESTAL TO NEW HANDHOLE.
 - SERVICE ENTRANCE RELOCATION #1 - PROVIDE (3)-#2 AND #8 GROUND IN 3" CONDUIT FROM METER PEDESTAL TO EXISTING LIBRARY SITE DISCONNECT SWITCH. PROVIDE 2-POLE, 100 AMP BREAKER IN PANEL.
 - SERVICE ENTRANCE RELOCATION #1 - EXISTING SERVICE DISCONNECT FOR PARK ELECTRICAL SERVICE TO REMAIN. CONNECT NEW UNDERGROUND CONDUCTORS (3)-#2 AND #8 GROUND IN 3" CONDUIT TO EXISTING LIBRARY SITE DISCONNECT SWITCH.



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Fax: 217.332.6300

DRAWING DATE	10/14/11	REVISION		BY	DATE
DESIGNED BY	MJF				
DRAWN BY	GDG				
CHECKED BY	GWV				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**ENLARGED ELECTRICAL DEVELOPMENT
DETAILS**

PROJECT NO.	11-095	F.A.U. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			10-00035-00-LS	Montgomery	92	80
FILENAME	E2.1.dwg				CONTRACT NO.	93563
DRAWING SCALE	1"=20'	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		