06-15-12 LETTING ITEM 127

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- **2 GENERAL NOTES**
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- POLE HANDHOLE WIRING **DETAILS**
- 10 NIGHTTIME LIGHTING TRAFFIC **DETAILS**

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

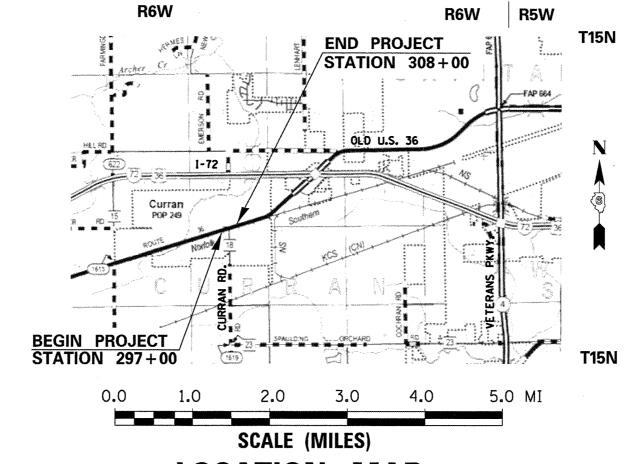
PROPOSED HIGHWAY PLANS

F.A.U. ROUTE 8012A (OLD U.S. 36) **SECTION 21L**

PROJECT HSIP-8012(013)

HIGHWAY LIGHTING & FLASHING BEACON INSTALLATION SANGAMON COUNTY

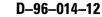
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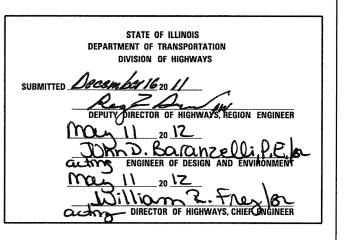
LOCATION MAP

AVERAGE DAILY TRAFFIC OLD U.S. 36 - 4,200 (3.6% SU & MU) IN 2007 CURRAN ROAD - 2,000 (4.0% SU & MU) IN 2007 OLD U.S. 36

8012A SANGAMON 10 1



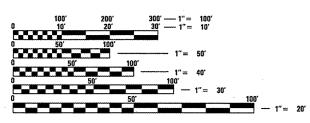




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JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

OR 811

PROJECT ENGINEER: VINCE MADONIA (217) 785-9046 TEAM MANAGER: TIM SLAGLE (217) 785-5338

CONTRACT NO. 72F06

GENERAL NOTES:

- 1. ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY ENGINEER.
- 2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
- THE PROPOSED LIGHT POLES SHALL BE LOCATED AS NOTED ON THE PLANS, 15 FEET FROM EDGE OF TRAVELED LANE, OR AS DIRECTED BY THE ENGINEER. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. WASHERS USED TO INTALL THE POLE SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE.
- 4. CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTITLITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE "UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA." AND "UNIT DUCT, 600V, 2-1C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE" PAY ITEMS.
- 6. THE CONTRACTOR SHALL PROVIDE AND INSTALL A CONCRETE WORK PAD IN FRONT OF THE LIGHTING CONTROLLER PER SECTION 825 OF THE STANDARD SPECIFICATIONS.
- 7. INSTALL HORIZONTAL MOUNT LUMINAIRES PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY AS REQUIRED BY ARTICLE 821.04 OF THE STANDARD SPECIFICATIONS.
- 8. UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA. SHALL BE SCHEDULE 80 AS NOTED IN THE PLANS.
- 9. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBERS LISTED IN THE LIST OF STANDARDS ON THE COVER SHEET AND THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- 10. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING TOPOGRAPHY AND FACILITIES HAVE BEEN TAKEN FROM THE LATEST FIELD SURVEYS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS.

GENERAL NOTES:

1. THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS COVERING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN, AND TO ALLOW IMPROVED DESIGN FOR THE FUTURE.

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SUMMARY OF QUANTITIES

CONSTRUCTION CODE

OO21

90% FEDERAL

10% STATE

			UKBAN	10% STATE
				HIGHWAY LIGHTING
CODE	ITEM	UNIT	TOTAL	RURAL
67100100	MOBILIZATION	L SUM	1	. 1
72000100	SIGN PANEL - TYPE 1	SO FT	25. 2	25. 2
72000200	SIGN PANEL - TYPE 2	SQ FT	16	16
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	52	52
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1
31028760	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	72	72
31603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	401	401
32102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	3	3
32500300	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 30AMP	EACH	1	1
33009600	LIGHT POLE, ALUMINUM, 45 FT. M. H., 15 FT. MAST ARM	EACH	3	3
33600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	20	. 20
3800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	3	3
0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	1	1

SPECAILTY ITEMS

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SUMMARY OF QUANTITIES

CONSTRUCTION CODE

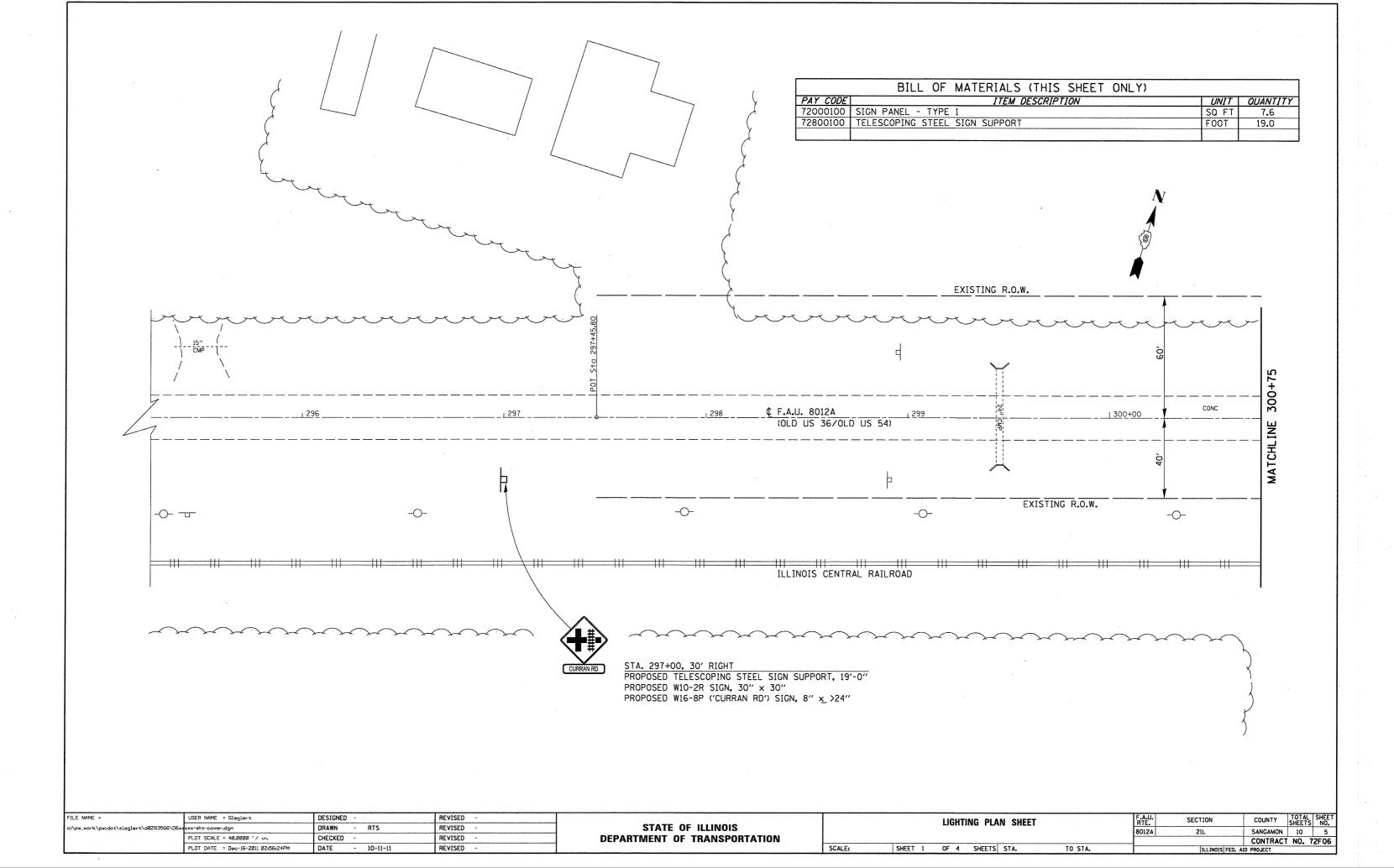
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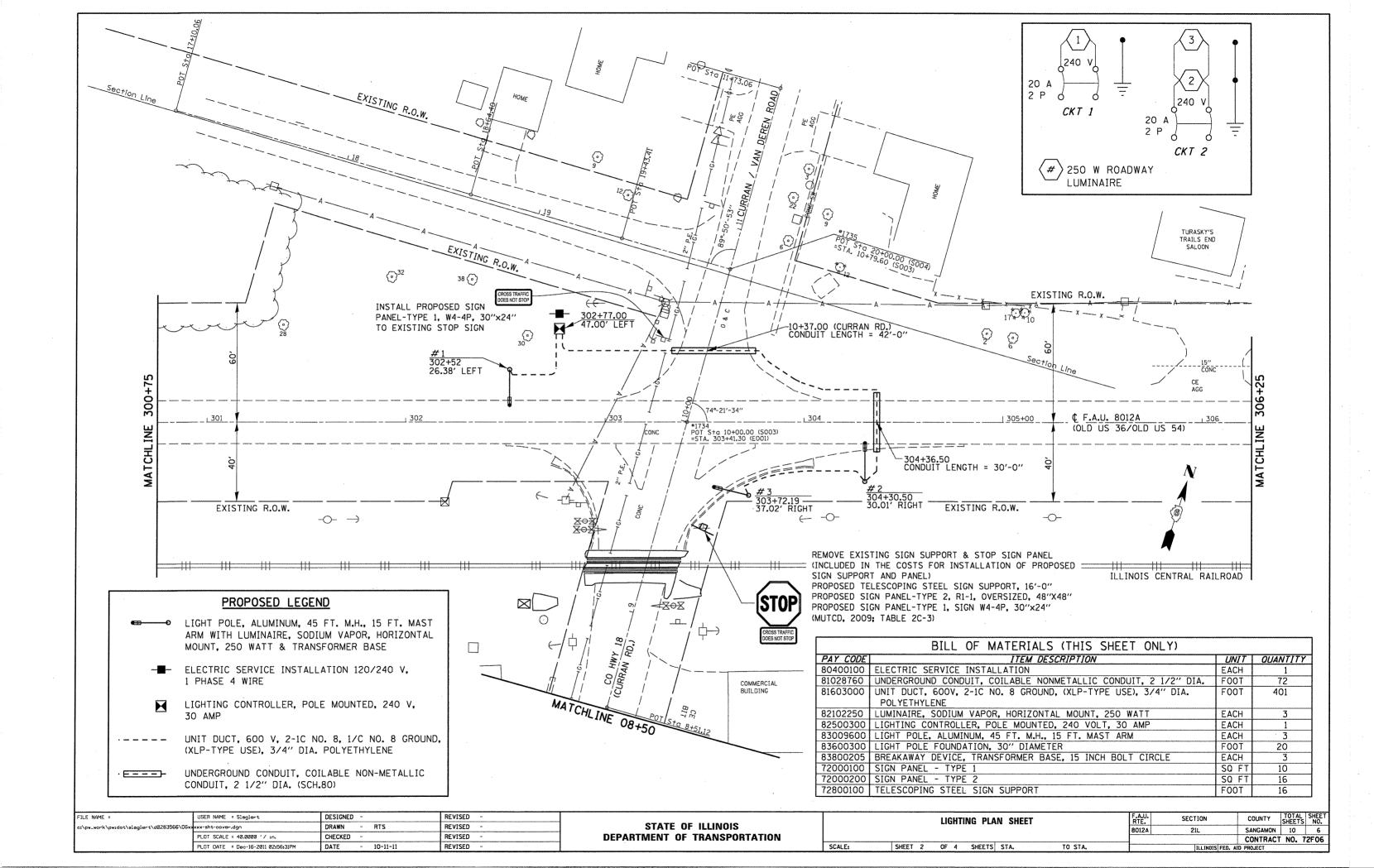
90% FEDERAL
10% STATE

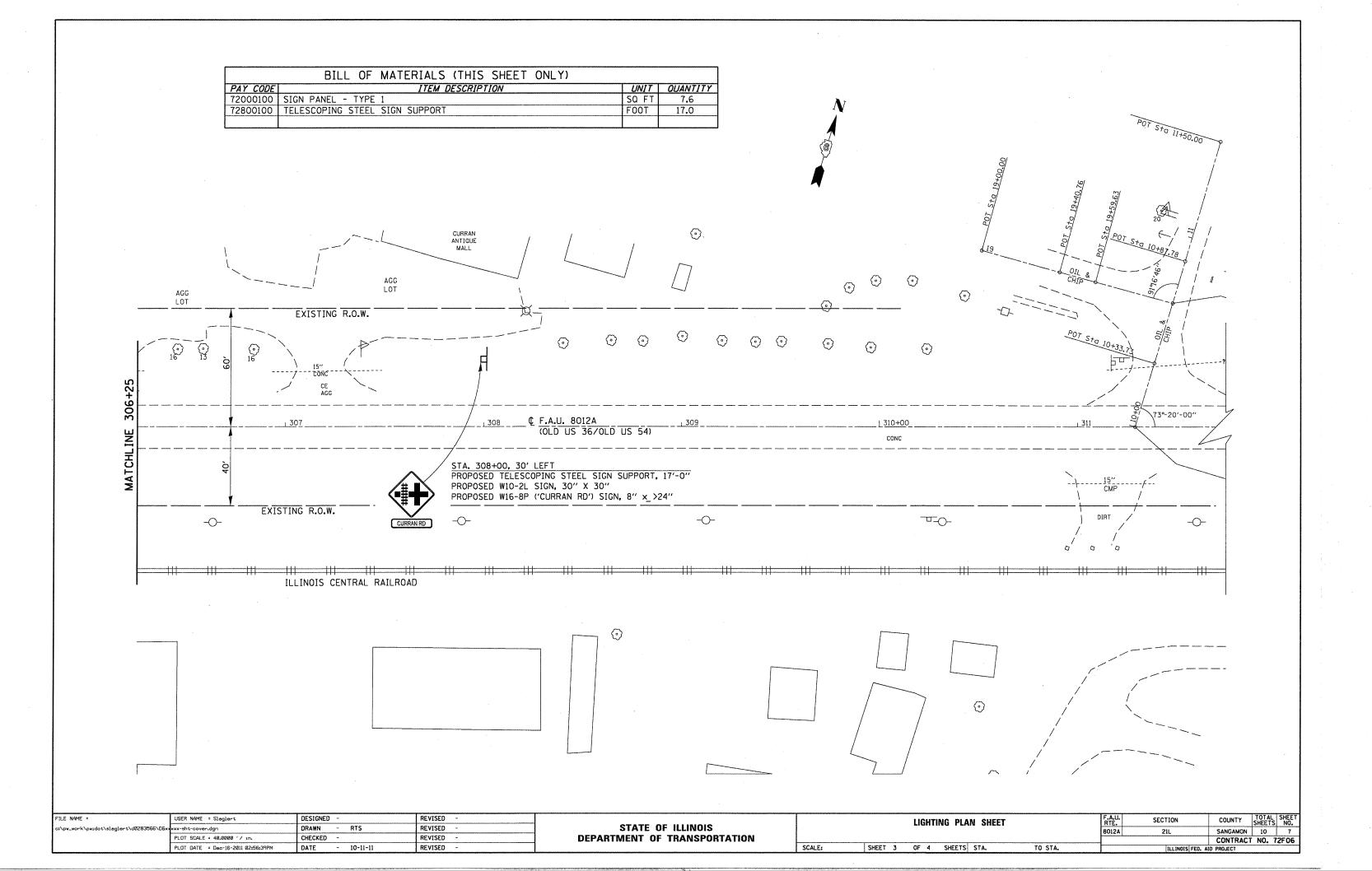
			10% STATE
			HIGHWAY LIGHTING
ITEM	UNIT	TOTAL	RURAL
OCATE SIGN PANEL AND POST	EACH	1	1
			·
	DCATE SIGN PANEL AND POST	DCATE SIGN PANEL AND POST EACH	DCATE SIGN PANEL AND POST EACH 1

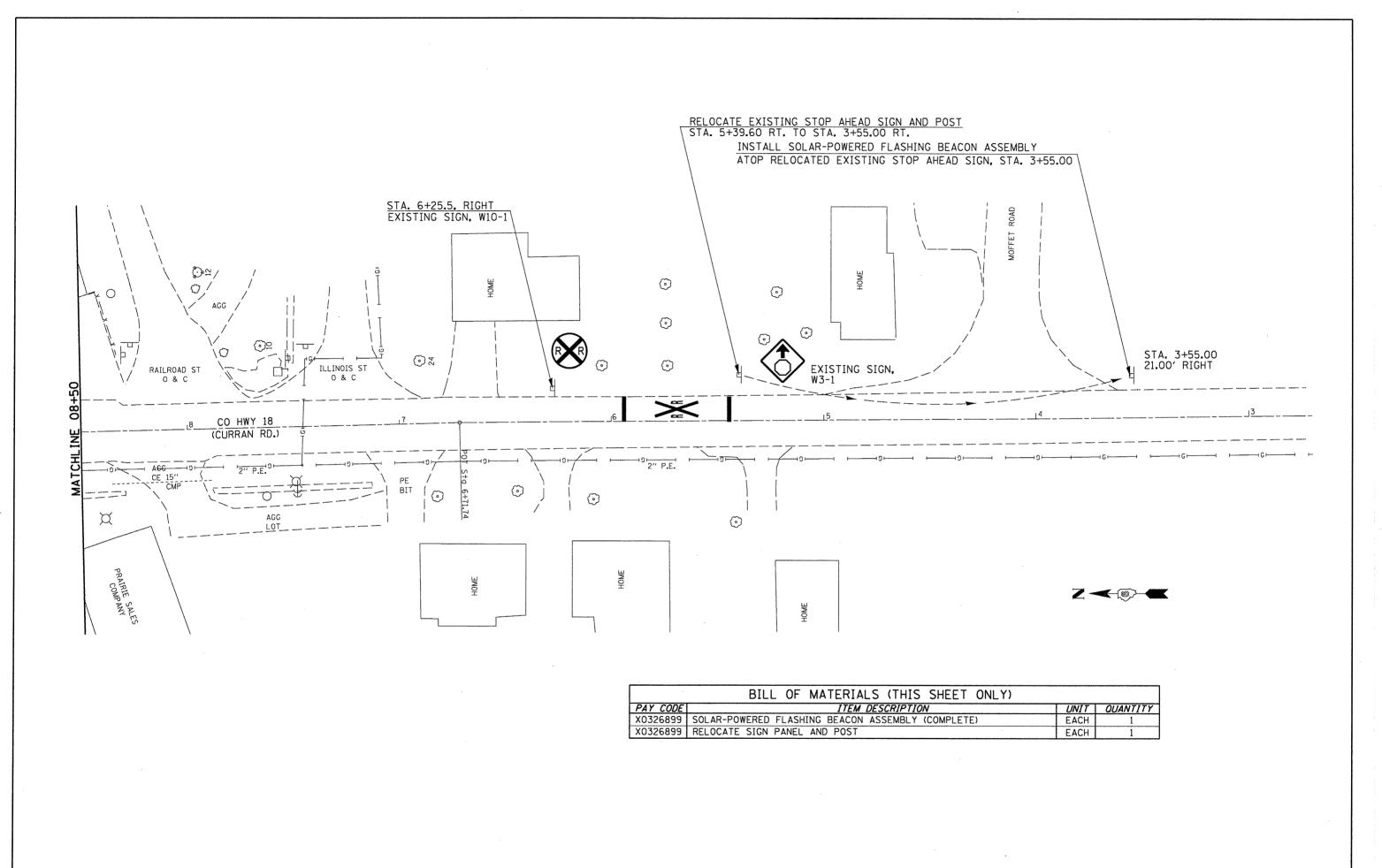
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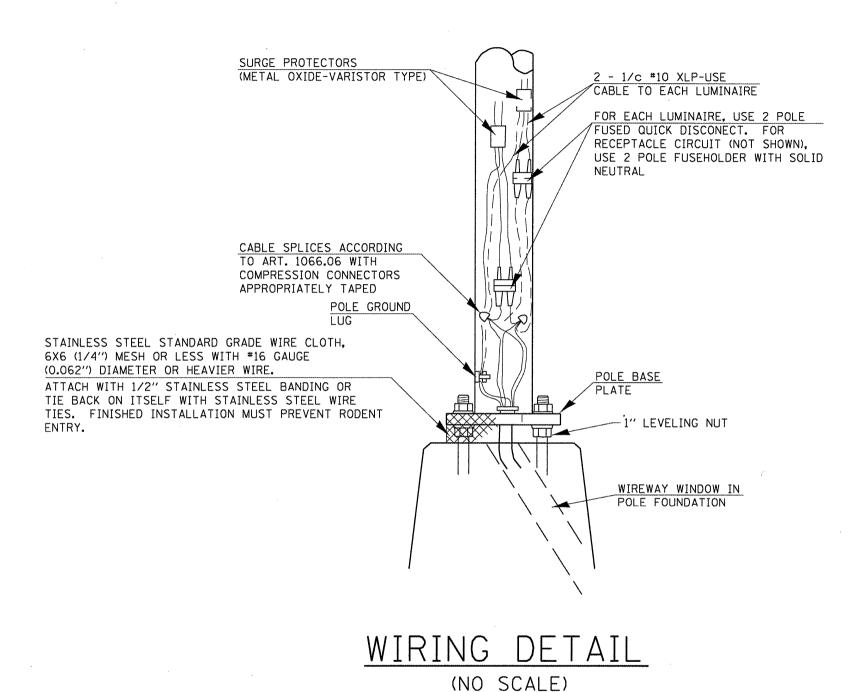








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GENERAL NOTES

ALL TAPED SPLICES SHALL USE 2 LAYERS OF ELECTRICAL TAPE OVER 3 LAYERS OF RUBBER TAPE AS REQUIRED BY THE STANDARD SPECIFICATIONS. COAT THE FINISHED TAPED SPLICE WITH BONDING COMPOUND.

ALL CABLE SPLICES SHALL BE TAPED UNLESS ANOTHER METHOD HAS BEEN SPECIFICALLY APPROVED BY THE ENGINEER.

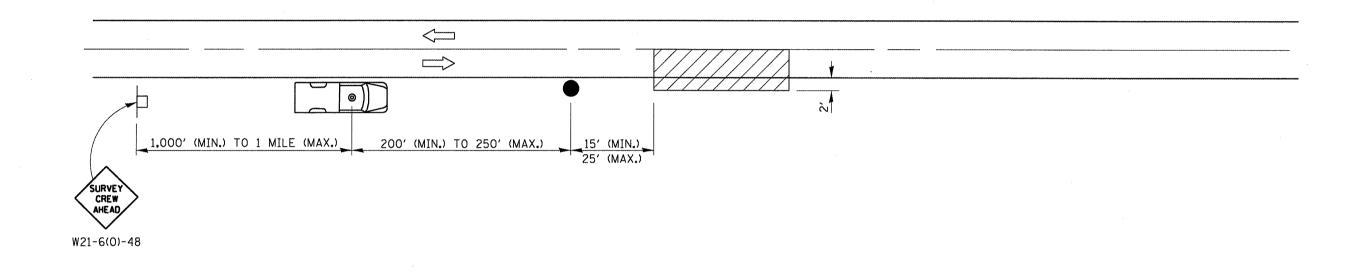
FOR EXAMPLE PURPOSES, THE POLE IS SHOWN ON AN ANCHOR BASE. IF THE POLE IS REQUIRED TO BE SET ON A BREAKWAY BASE, CONSULT THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

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<u>SYMBOLS</u>

WORK AREA

TYPICAL APPLICATIONS:
UTILITY OPERATIONS

TRUCK WITH FLASHING AMBER LIGHT AND DUAL EMERGENCY FLASHERS

FLAGGER WITH TRAFFIC CONTROL SIGN

SIGN ON PORTABLE OR PERMANENT SUPPORT

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