

FOR LIGHTING AT COMMERCE PARK DRIVE, SEE TRAFFIC SIGNAL PLANS.

**GENERAL NOTES**

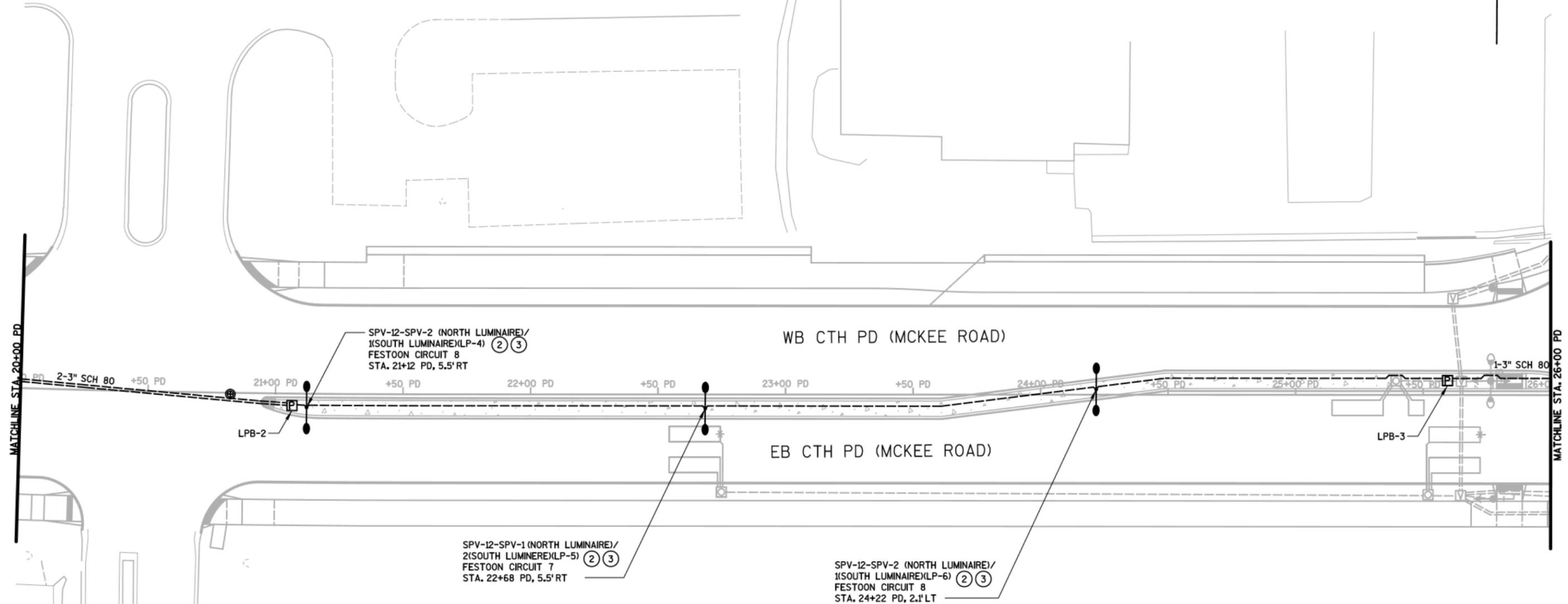
1. ALL NEW CONDUIT SHALL BE INSTALLED 2- FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. PLACE CONDUIT ALONG BACK OF CURB WHERE SHOWN TO AVOID CONFLICTS WITH FUTURE PLANTING LOCATIONS.
2. ALL POLE BASES SHALL BE MINIMUM 2- FEET FROM BACK OF CURB, MEASURED FROM THE OUTSIDE EDGE OF THE POLE BASE.
3. LIGHT POLES SHALL BE MOUNTED ON TYPE 5 CONCRETE POLE BASES. PROPOSED LUMINAIRES ON CTH PD ARE LED-B-CITY OF FITCHBURG. LUMINAIRES ASSOCIATED WITH LC-1 AND CONTROLLER B SHALL BE WIRED AT 120V AND MAINTAINED BY THE CITY OF FITCHBURG.
4. EACH LIGHT POLE AS INDICATED SHALL BE EQUIPPED WITH A FESTOON OUTLET 16'-6" FROM BASE OF POLE AND GFCI PROTECTION DEVICE WITH RESET PUSHBUTTON (IN POLE HANDHOLE). WIRE GFCI RESET IN SERIES WITH FESTOON OUTLET. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR AS THE POLE LUMINAIRES.

**KEY NOTES**

- ① STEEL LIGHT POLE WITH FESTOON OUTLET.
- ② REMOVE AND REINSTALL CITY OWNED LIGHT POLE.
- ③ PROVIDE NEW FESTOON OUTLET.
- ④ EXISTING STEEL LIGHT POLE WITH LED-B FIXTURES.
- ⑤ SPLICE NEW CONDUCTORS WITH EXISTING CONDUCTORS IN LIGHT POLE.
- ⑥ INSTALL CONDUIT INTO EXISTING ITEM.
- ⑦ MOUNT CONDUIT UNDER BRIDGE DECK.

**LEGEND**

- ☒ LIGHTING CONTROL CABINET (CONCRETE CONTROL CABINET & BASES TYPE 8 VAR.)
- ☒ ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT, RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES
- LED-C, -12, -5, -1 (L-13-0860-000)
- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- \* INDICATES FIELD NOT APPLICABLE
- SPV INDICATES SPECIAL PROVISION BID ITEM.
- \* EXISTING LIGHT POLE
- ☐ PULL BOX, POLYMER CONCRETE 17x30-INCH
- ⬡ B-13-866 LIGHTING (LIGHTING CONTROL PANEL)
- ⬢ PEDESTRIAN BOLLARD LUMINAIRE



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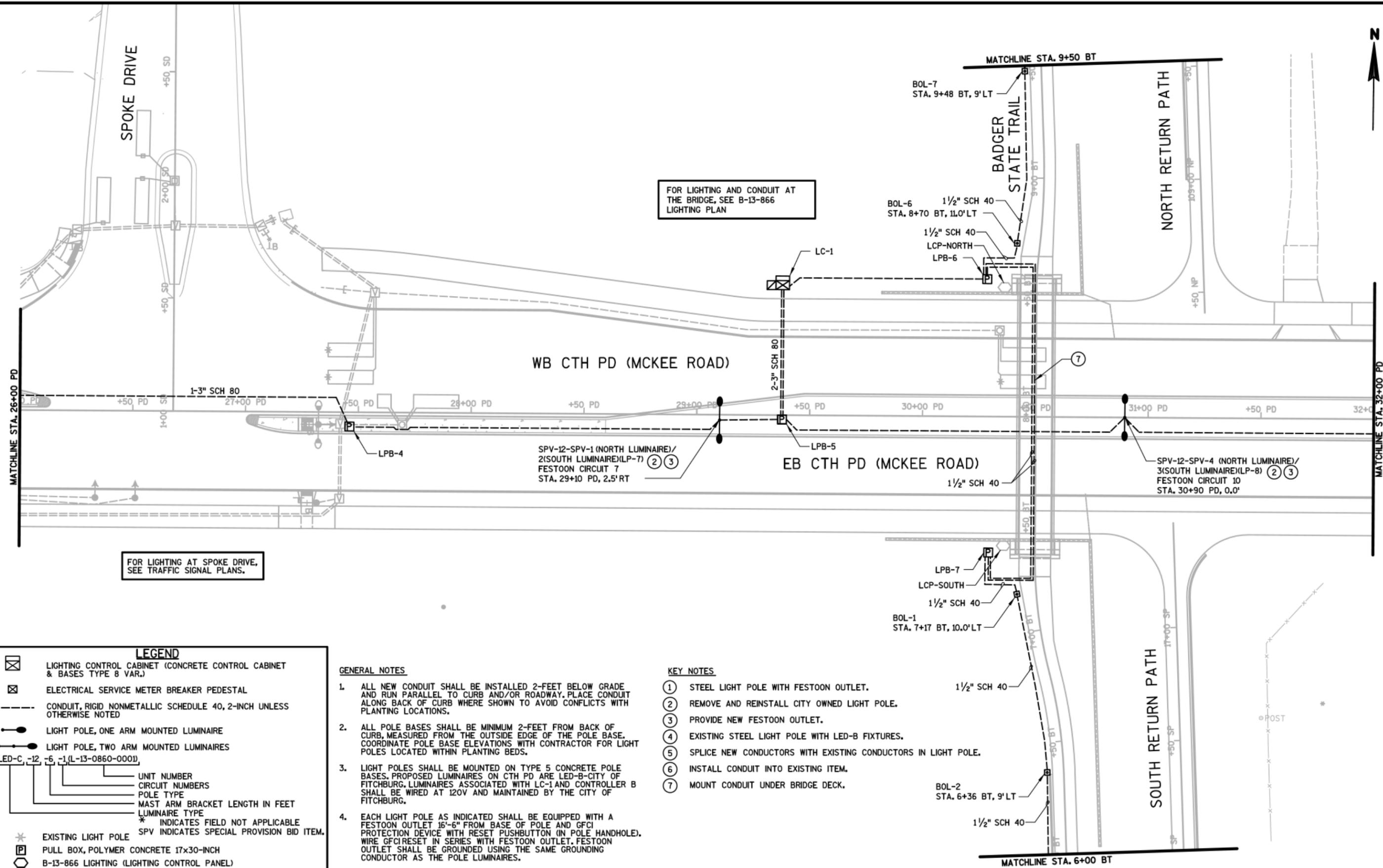
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	B-13-866 LIGHTING (LIGHTING CONTROL PANEL)
	PEDESTRIAN BOLLARD LUMINAIRE



FOR LIGHTING AND CONDUIT AT THE BRIDGE, SEE B-13-866 LIGHTING PLAN

FOR LIGHTING AT SPOKE DRIVE, SEE TRAFFIC SIGNAL PLANS.

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MATCHLINE STA. 32+00 PD

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WB CTH PD (MCKEE ROAD)

EB CTH PD (MCKEE ROAD)

PINEWAY TRAIL

MARKETPLACE DRIVE

SPV-12-SPV-3 (NORTH LUMINAIRE)/  
4(SOUTH LUMINAIRE)(LP-9) (2)(3)  
FESTOON CIRCUIT 9  
STA. 32+33 PD, 0.0'

SPV-12-SPV-4 (NORTH LUMINAIRE)/  
3(SOUTH LUMINAIRE)(LP-10) (2)(3)  
FESTOON CIRCUIT 10  
STA. 33+84 PD, 0.0'

SPV-12-SPV-3 (NORTH LUMINAIRE)/  
4(SOUTH LUMINAIRE)(LP-11) (2)(3)  
FESTOON CIRCUIT 9  
STA. 35+35 PD, 2.9' LT

LPB-8

LPB-9

LPB-10

FOR LIGHTING AT MARKETPLACE DRIVE,  
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**LEGEND**

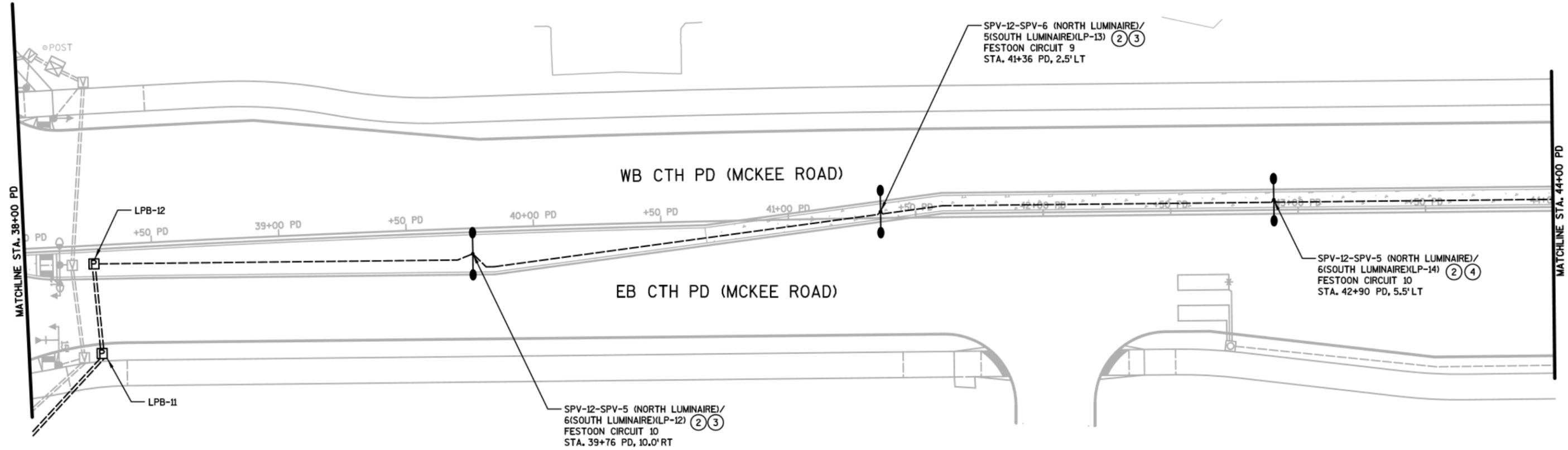
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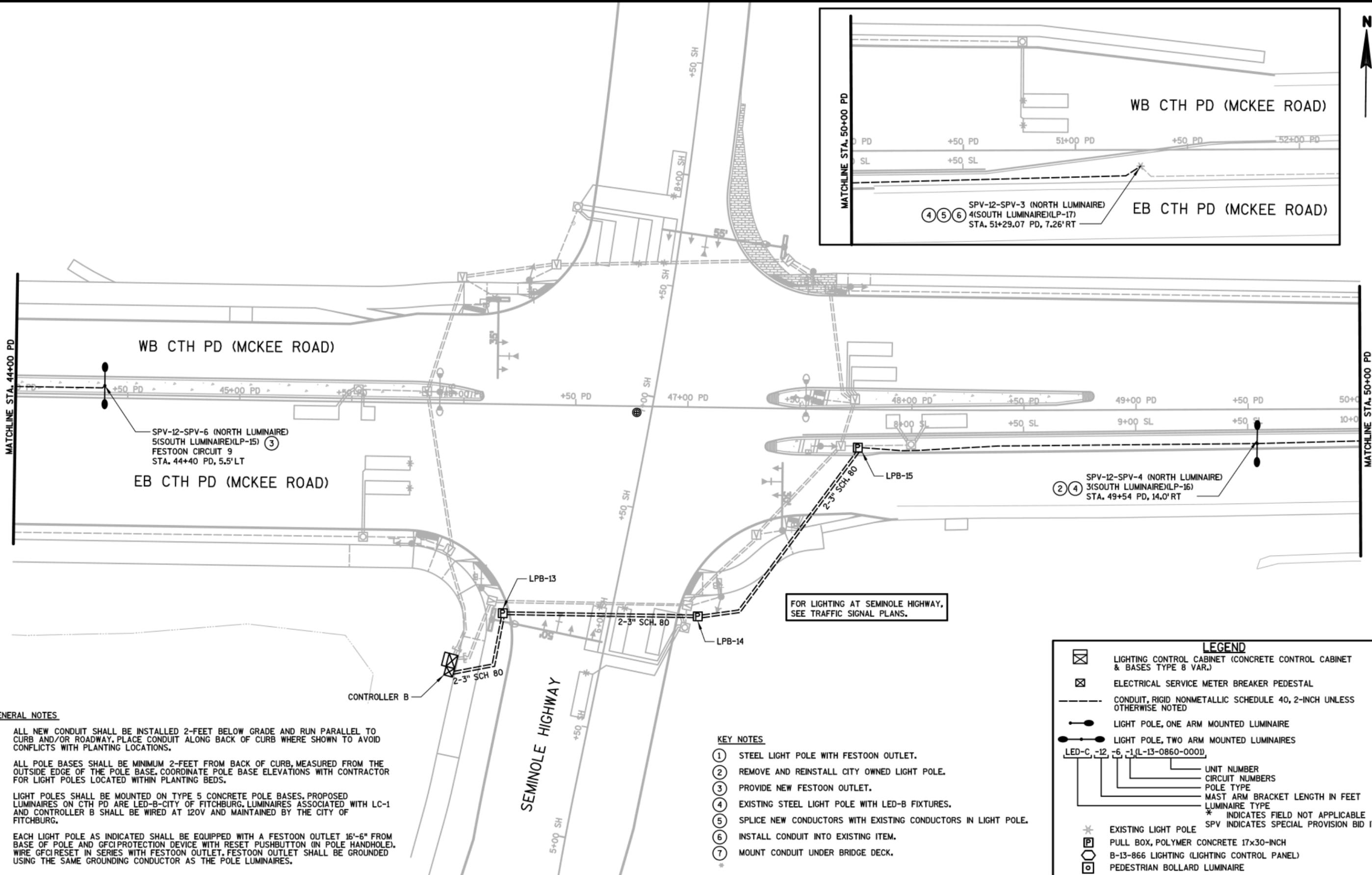
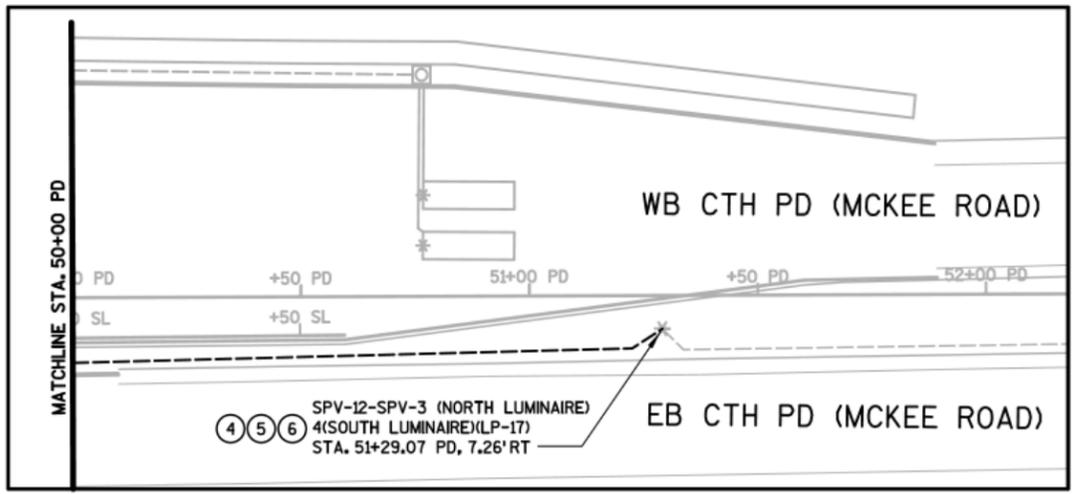
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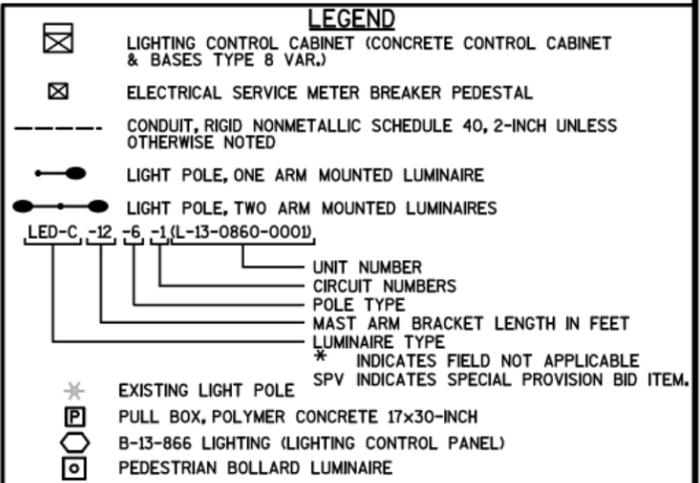
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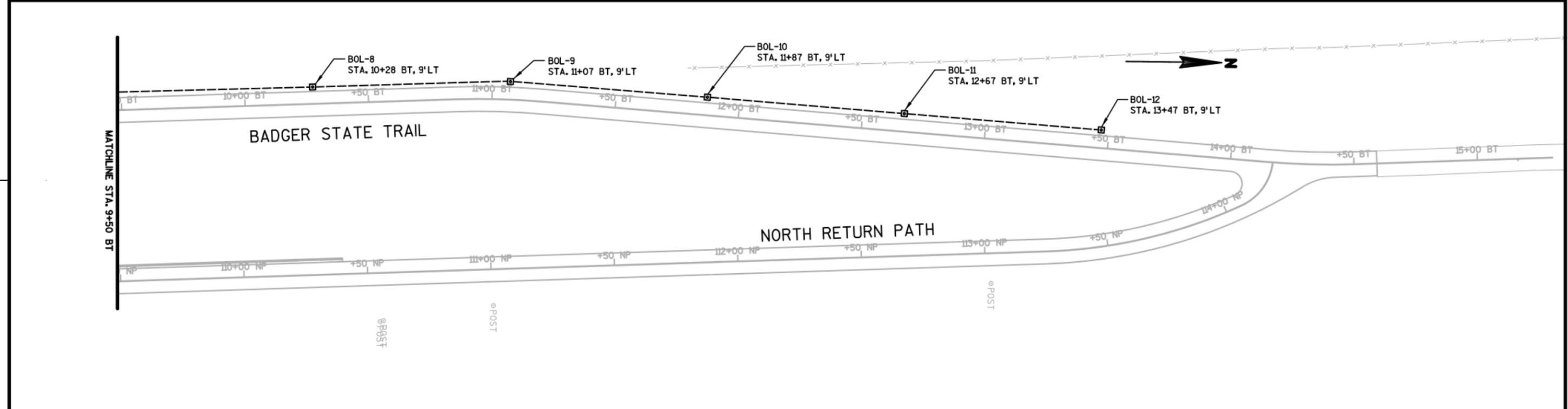
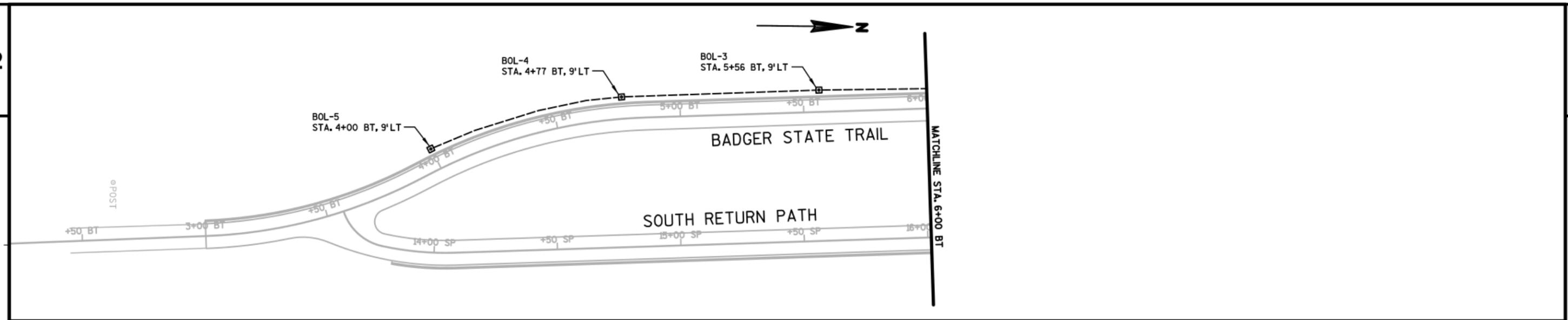
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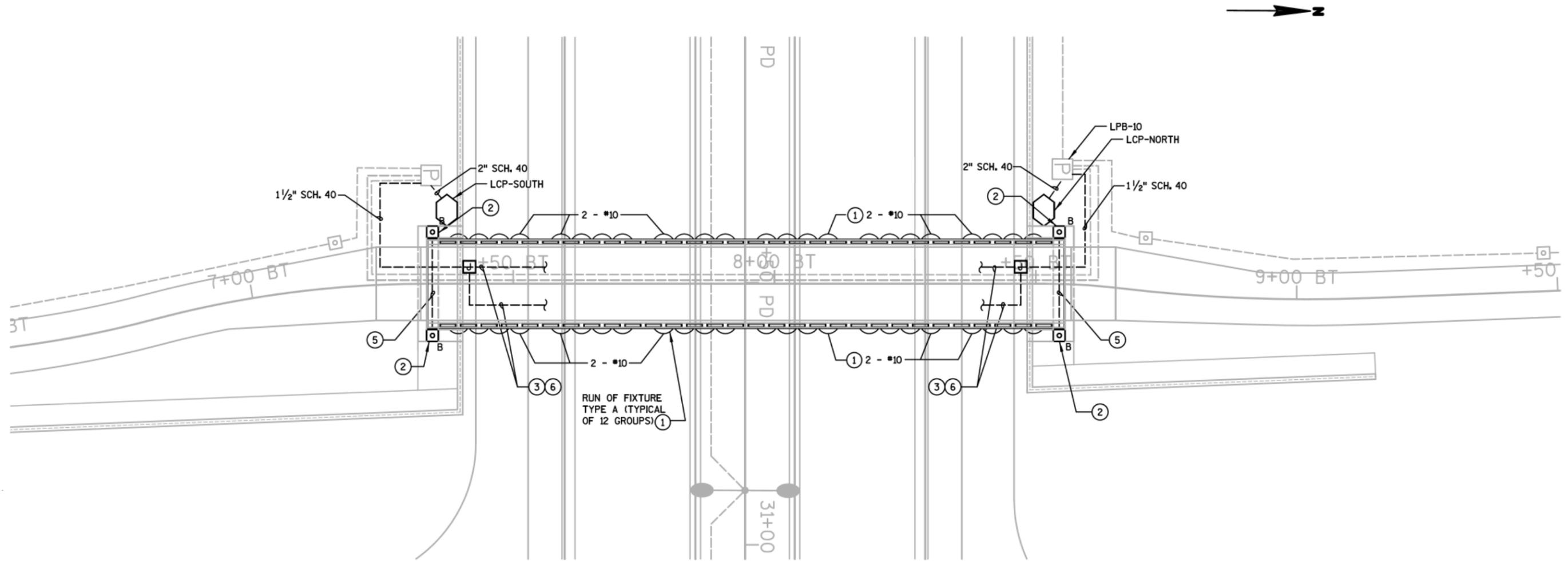


**LEGEND**

- CONDUIT, RIGID NONMETALLIC SCHEDULE 40, 1 1/2-INCH UNLESS OTHERWISE NOTED
- [J] B-13-866 LIGHTING (JUNCTION BOX)
- [A] B-13-866 LIGHTING (FIXTURE TYPE A, LED HANDRAIL LUMINAIRE)
- [B] B-13-866 LIGHTING (FIXTURE TYPE B, PILLAR LUMINAIRE)
- [C] PEDESTRIAN BOLLARD LUMINAIRE
- [D] B-13-866 LIGHTING (LIGHTING CONTROL PANEL)
- [E] PULL BOX, POLYMER CONCRETE, 17" X 30"

**GENERAL NOTES**

1. ALL NEW CONDUIT SHALL BE INSTALLED 2-FEET BELOW GRADE AND RUN PARALLEL TO BACK OF CURB OR EDGE OF PAVEMENT.
2. ALL BOLLARD BASES SHALL BE MINIMUM 2-FEET FROM EDGE OF PAVEMENT.
3. BOLLARD LIGHTS SHALL BE MOUNTED ON CONCRETE BASES AS SHOWN ON THE BOLLARD MOUNTING DETAIL. TYPICAL FOR ALL BOLLARD LIGHTS.

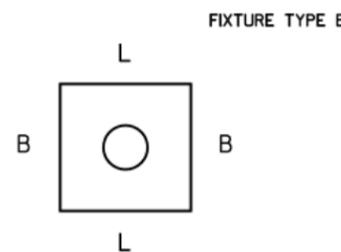
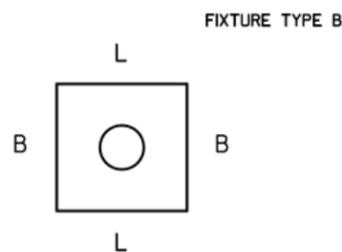
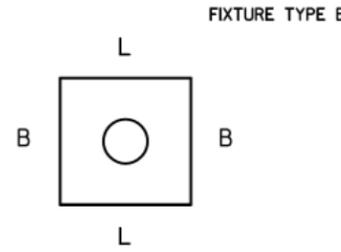
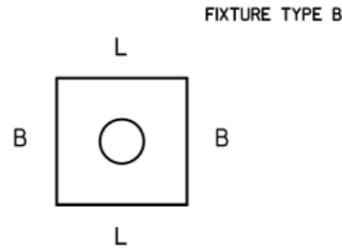
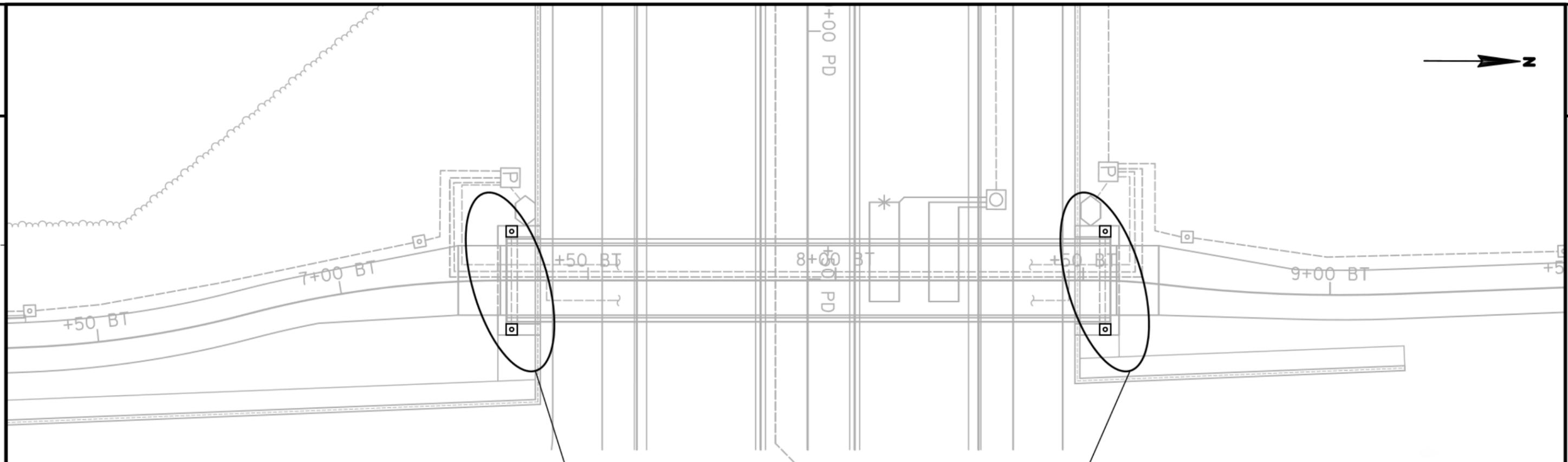


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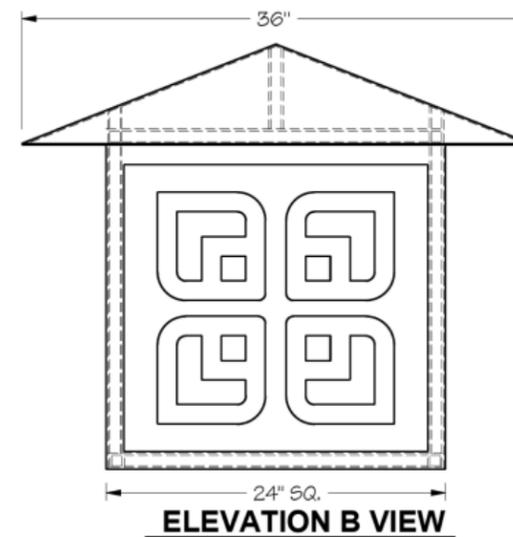
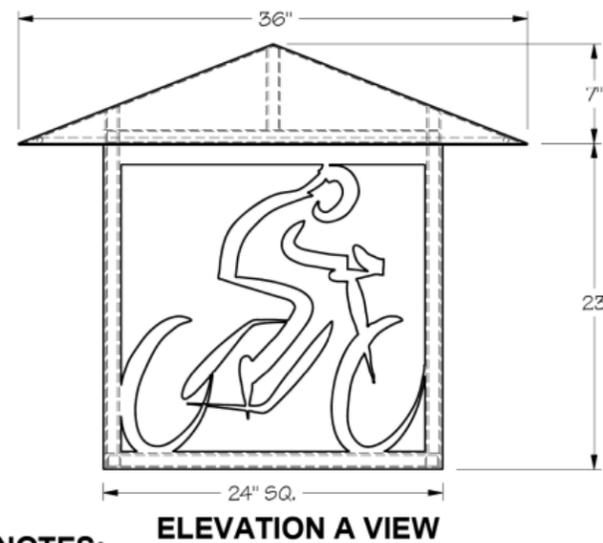
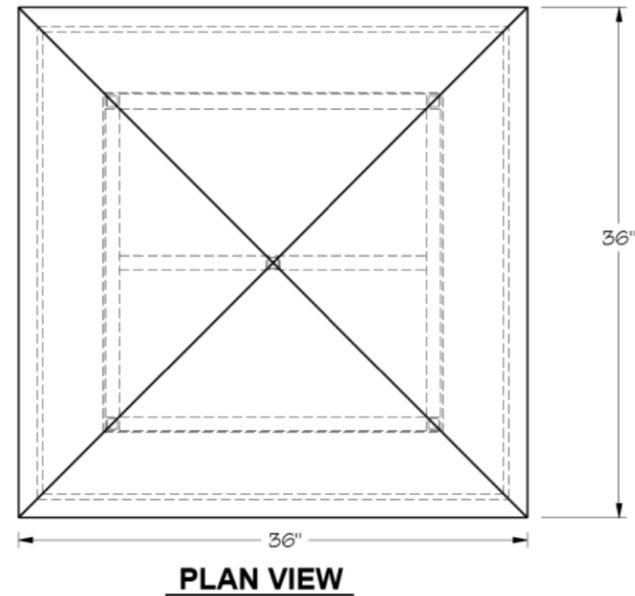
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- [A] B-13-866 LIGHTING (FIXTURE TYPE A, LED HANDRAIL LUMINAIRE)
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- [O] PEDESTRIAN BOLLARD LUMINAIRE
- [C] B-13-866 LIGHTING (LIGHTING CONTROL PANEL)
- [P] PULL BOX, POLYMER CONCRETE, 17" X 30"

**KEYNOTES**

- ① INSTALL FIXTURE TYPE A IN RUNS OF 5 AS SHOWN. PROVIDE WIRES TO EACH RUN, SIZE AS SHOWN. WIRE SHALL BE ROUTED THROUGH VERTICAL TRUSS MEMBERS TO HANDRAIL.
- ② SEE PILLAR LUMINAIRE SHOP DRAWING AND ORIENT AS SHOWN IN THE LAYOUT DETAIL.
- ③ MOUNT CONDUIT UNDER BRIDGE DECK. SEE B-13-866 PLANS.
- ④ INSTALL ALL WIRING THROUGH HANDRAIL. SEE LED HANDRAIL MOUNTING DETAIL.
- ⑤ ROUTE CONDUIT THROUGH PILASTER TO PILLAR LUMINAIRE. SEE B-13-866 PLANS FOR DETAILS.
- ⑥ COORDINATE CONDUIT ENTRANCE INTO BRIDGE TRUSS SUPPORT MEMBER WITH BRIDGE CONTRACTOR. SEE B-13-866 PLANS. PROVIDE LIQUID TIGHT CONDUIT WITHIN VERTICAL TRUSS MEMBERS FROM BOTTOM BRIDGE PENETRATION TO HANDRAIL.

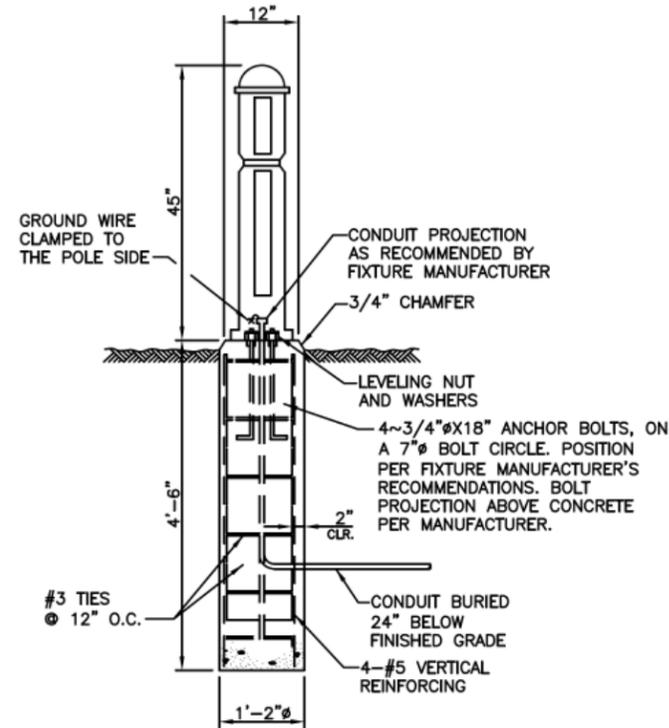


DECORATIVE PILLAR LUMINAIRE LAYOUT DETAIL

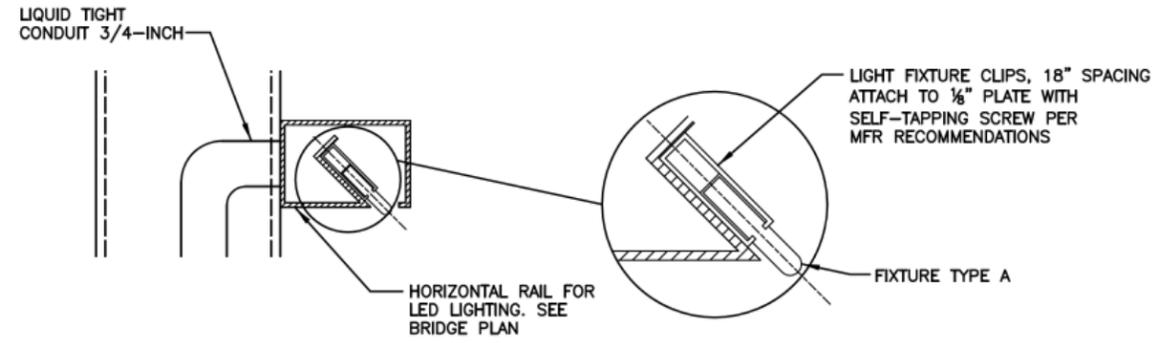


**NOTES:**

- 1) .125" & .080" ALUMINUM WITH WELDED CONSTRUCTION
- 2) 3/16" FROSTED OPAL POLYCARBONATE LUMINOUS PANELS ON FOUR SIDES;  
PANELS BACKED BY IMPACT-RESISTANT RAILS
- 3) LASER CUT CITY LOGO GRAPHICS ON TWO SIDES: BICYCLE GRAPHICS ON ALTERNATE TWO SIDES.
- 4) BOTTOM PAN WITH MOUNTING HOLES AS REQUIRED.
- 5) EIGHT, 3" LED MODULES EVENLY SPACED ON EACH OF FOUR SIDES  
EACH 3" MODULES PROVIDES 126 SOURCE LUMENS AT 1.5 WATTS AND 3000K.
- 6) INTEGRAL 12V 60W UNIVERSAL VOLTAGE DRIVER.
- 7) RAL 8019 DARK BRONZE POLYESTER POWDER COATED FINISH
- 8) FIXTURE IS SUITABLE FOR INSTALLATION IN WET LOCATION.

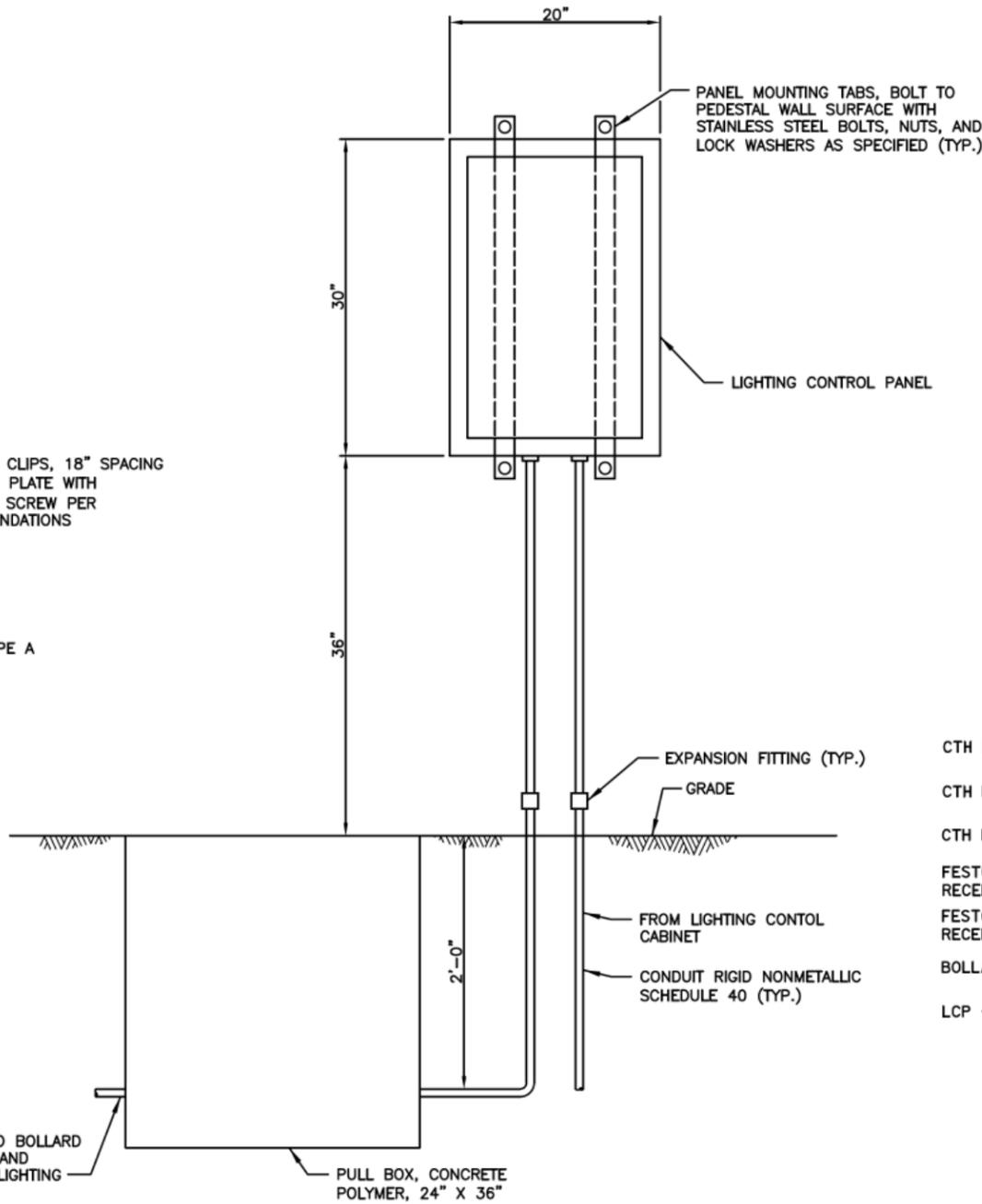


**CONCRETE BASE FOR LIGHTED BOLLARD**

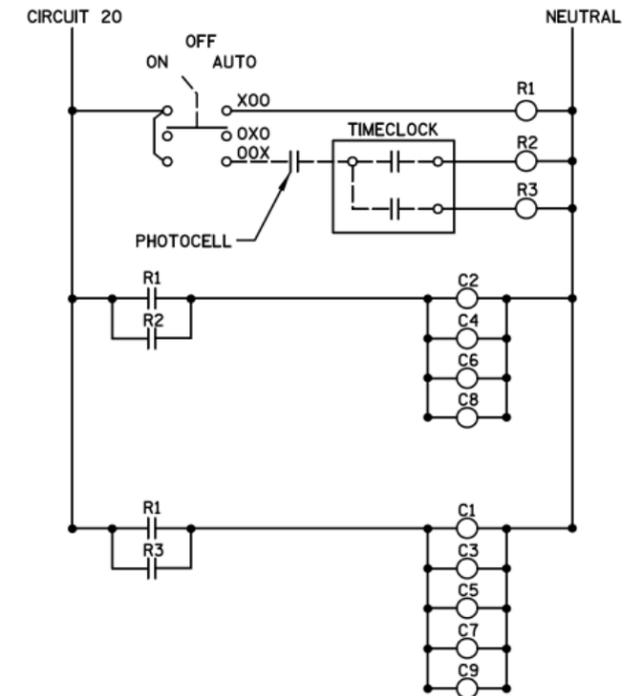


**TYPICAL HANDRAIL MOUNTING DETAIL**

LCP CIRCUIT BREAKER SCHEDULE			
LCP NO.	MAIN C/B	BRANCH CIRCUIT	BRANCH CIRCUIT C/B
NORTH	30A	FIXTURE TYPE A POWER SUPPLY	20A
		FIXTURE TYPE A POWER SUPPLY	
		FIXTURE TYPE A POWER SUPPLY	
		FIXTURE TYPE A POWER SUPPLY	
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SOUTH	30A	FIXTURE TYPE B (2)	20A
		EXHAUST FAN	
		FIXTURE TYPE A POWER SUPPLY	
		FIXTURE TYPE A POWER SUPPLY	
SOUTH	30A	FIXTURE TYPE A POWER SUPPLY	20A
		FIXTURE TYPE A POWER SUPPLY	
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SOUTH	30A	FIXTURE TYPE B (2)	3A
		EXHAUST FAN	

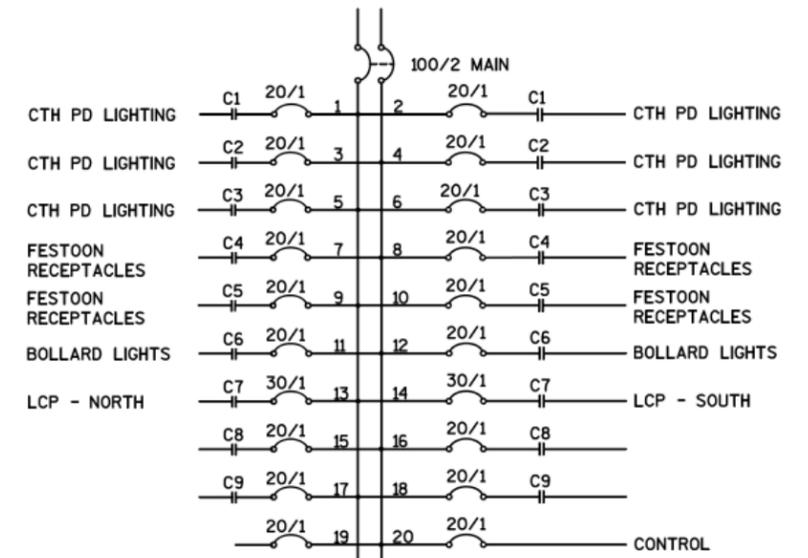


**LIGHTING CONTROL PANEL MOUNTING DETAIL**



**LC-1 CONTROL SCHEMATIC**

NO SCALE



**LC-1**  
NO SCALE