

SCHEMATIC LIGHTING PLAN

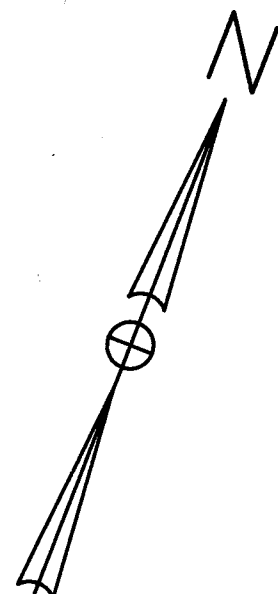
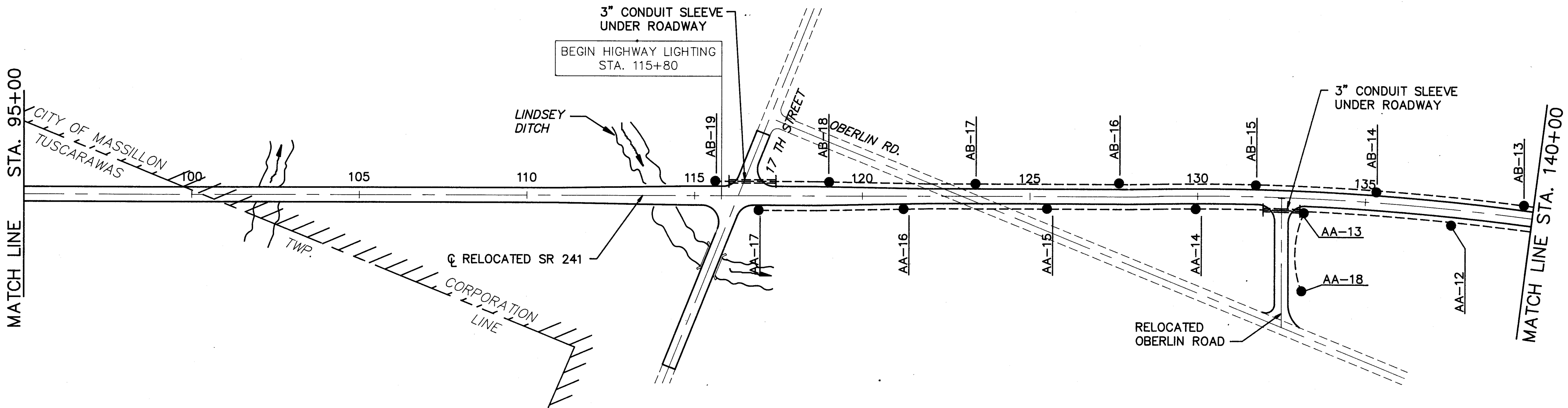
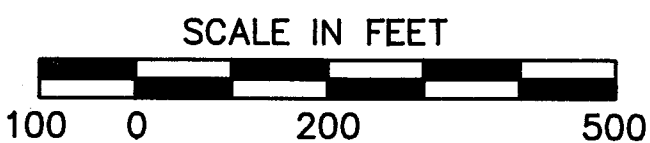
CALC. BY E.F.E.
DATE 6/28/99
CHKD. BY C.C.H.
DATE 6/29/99

STA-241-4.22

OHIO

FHWA
REGION 5

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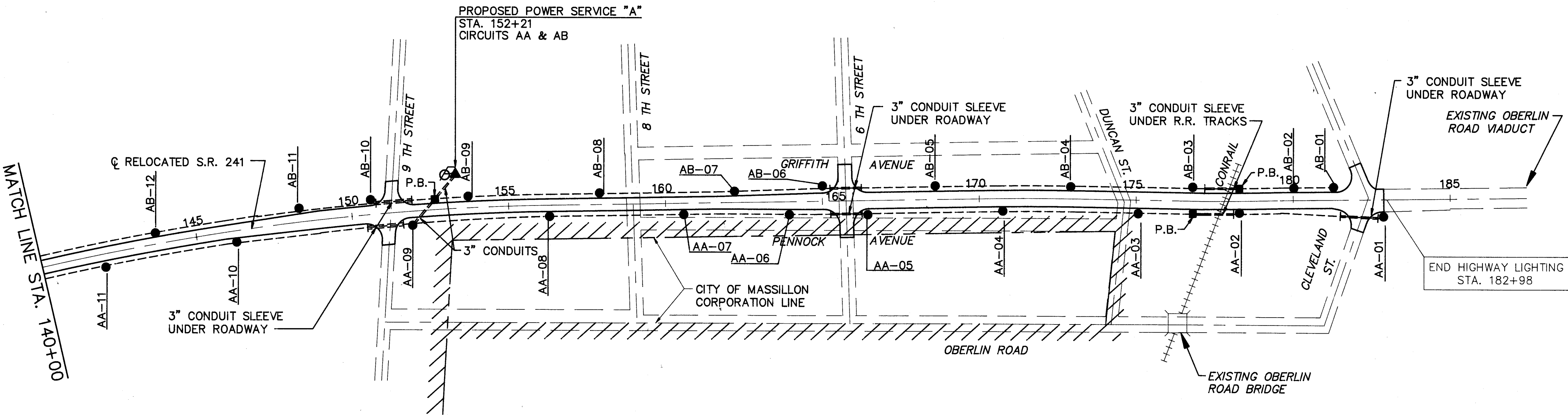


CONTROL CENTER DATA

CONTROL CENTER	SERVICE VOLTAGE	CONNECTED LOAD KVA	SERVICE ENTRANCE CONDUCTOR SIZE-AWG	ENCLOSURE RATING AMPS	CIRCUIT NUMBER	CIRCUIT LOAD AMPS	CIRCUIT FUSE SIZE AMPS	MAINTAINING AGENCY	REMARKS
A	480 VOLTS 1Ø, 2 WIRE, GROUNDED NEUTRAL	17.58	2-#4	60	AA	17.8	30	CITY OF MASSILLON	
					AB	18.8	30		

LIGHTING PLAN LEGEND

- ▲ - PROPOSED POWER SERVICE
- ⊗ - PROPOSED LIGHT POLE WITH 250 WATT HPS LUMINAIRE (SINGLE BRACKET ARM)
- - PROPOSED DUCT CABLE (2 #4AWG)
- - PROPOSED PULL BOX
- ==== - 3" CONDUIT, 2 #4, 24" BELOW GRADE



LIGHTING NOTES

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POWER SERVICE

THE POWER SUPPLY AGENCY FOR THIS PROJECT IS:

OHIO EDISON COMPANY
2600 S. ERIE STREET
MASSILLON, OHIO 44646
ATTN: MR. KEN DOWNS
1-800-223-8409

OHIO EDISON WILL PROVIDE AND INSTALL THE SERVICE TRANSFORMER, PRIMARY CONTROL SWITCH SERVICE METER ASSEMBLY AND SECONDARY CONDUCTORS TO WEATHERHEAD. CONTRACTOR SHALL INSTALL METER ASSEMBLY, PROVIDE AND INSTALL SERVICE POLE, WEATHERHEAD WITH CONDUCTORS AND CONTROL CENTER. LIGHTING WILL RECEIVE 480 VOLT TWO-WIRE SECONDARY SERVICE, ONE SIDE GROUND.

IN ADDITION TO THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ALL CHARGES MADE BY THE POWER COMPANY FOR THE ESTABLISHMENT OF ELECTRICAL SERVICE AT EACH POINT SPECIFIED IN THE PLANS.

UPON COMPLETION OF THE PROJECT, THE ENERGY ACCOUNT SHALL BE PAID CURRENT AND THE ACCOUNT TRANSFERED TO THE MAINTAINING AGENCY SPECIFIED IN THE PLANS.

PAYMENT TO THE CONTRACTOR IS INCIDENTAL TO ITEM 625 "POWER SERVICE".

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.04 O.R.C.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

OHIO WATER SERVICE
123 THIRD STREET, S.E.
MASSILLON, OHIO 44648
216-833-4158

OHIO EDISON COMPANY
663 SOUTH ERIE
MASSILLON, OHIO 44646
216-833-3141

EAST OHIO GAS COMPANY
7015 FREEDOM AVENUE, N.W.
NORTH CANTON, OHIO 44720
216-497-5132

BELDEN BLAKE COMPANY
7555 FREEDOM AVENUE, N.W.
NORTH CANTON, OHIO 44720
216-499-1660

OHIO BELL TELEPHONE COMPANY
832 MCKINLEY AVENUE, N.W.
CANTON, OHIO 44703
216-489-2632

MASSILLON CABLE TELEVISION
814 CABLE COURT
P.O. BOX 814
MASSILLON, OHIO 44646
216-833-4143

CITY OF MASSILLON
CITY HALL
MASSILLON, OHIO 44646
216-833-1058

STARK COUNTY SANITARY ENGINEER
STARK COUNTY OFFICE BUILDING
CANTON, OHIO 44702

STARK COUNTY ENGINEER
5165 SOUTHWAY STREET, S.W.
CANTON, OHIO 44706

625.07 - 713.11 LUMINAIRES

STYLE B LUMINAIRES SHALL HAVE SINGLE RATED 480 VOLT, 250 WATT, INTEGRAL REGULATOR BALLASTS FOR USE WITH HIGH PRESSURE SODIUM LAMPS AND SHALL BE GENERAL ELECTRIC M250R, CROUSE-HINDS OVM, AMERICAN 25/26 OR EQUAL APPROVED BY THE ENGINEER.

713.14 LAMPS

HIGH PRESSURE SODIUM LAMPS SHALL BE GENERAL ELECTRIC "LUCALOX", WESTINGHOUSE "CERAMALUX", SYLVANIA "LUMALUX", OR EQUAL APPROVED BY THE ENGINEER.

UNDERDRAINS FOR PULL BOXES

REFERENCE IS MADE TO STANDARD DRAWINGS FOR DETAILS OF DRAINING PULL BOXES. UNDERDRAINS FOR PULL BOXES SHALL BE USED AS DIRECTED BY THE ENGINEER AND SHALL BE PROVIDED WHERE THE LENGTH REQUIRED FOR A SATISFACTORY OUTLET DOES NOT EXCEED APPROXIMATELY 20 FEET. AN ESTIMATED QUANTITY OF 40 LINEAR FEET OF ITEM 603, 4" CONDUIT TYPE E IS INCLUDED IN THE LIGHTING GENERAL SUMMARY FOR THIS PURPOSE. (SEE SHEET 259)

PADLOCKS AND KEYS

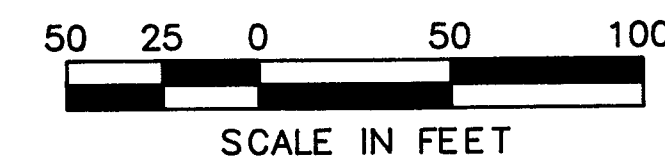
PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNAN 660A, AND SHALL BE KEYED IN ACCORDANCE WITH SPECIFICATION 631.08 PARAGRAPH 3. PAYMENT SHALL BE INCLUDED IN THE BID FOR THE ITEM(S) BEING LOCKED.

CALC. BY <u>E.F.F.</u> DATE <u>6/28/93</u>	STA-241-4.22	OHIO	
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STATE ROUTE 241

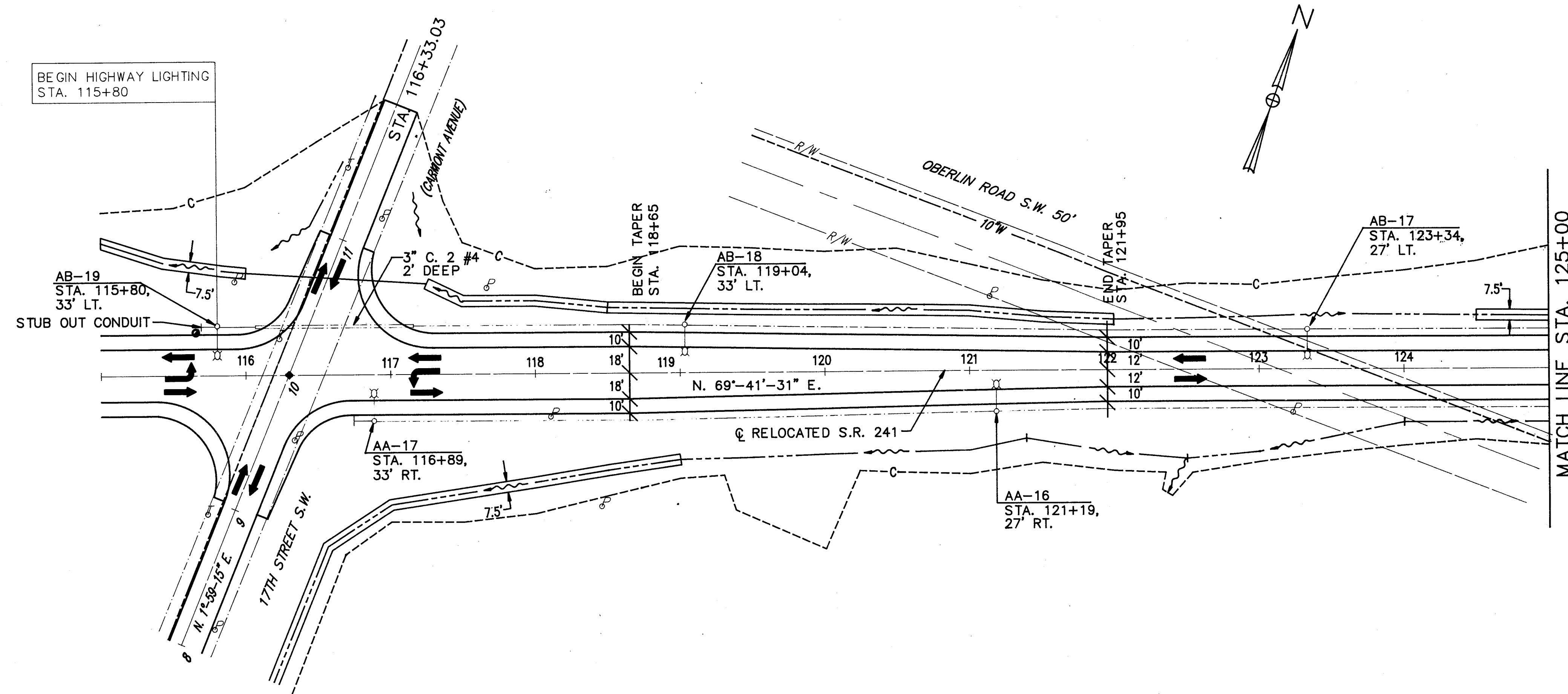
STATE ROUTE 241

LIGHTING PLAN



REFERENCES

FOR PLAN & PROFILES SEE SHEET 63.
 FOR CROSS SECTIONS SEE SHEETS 135-141.
 FOR RIGHT-OF-WAY PLANS SEE SHEET 291.



LIGHTING PLAN LEGEND

- ▲ - PROPOSED CONTROL CENTER
- - - - - PROPOSED LIGHT POLE WITH 250 WATT HPS LUMINAIRE (SINGLE BRACKET ARM)
- - - - - PROPOSED DUCT CABLE (2 #4AWG)
- - PROPOSED PULL BOX
- ⊗ - UTILITY COMPANY POLE
- - - - - 3" CONDUIT, WITH DUCT CABLE OR DISTRIB. CABLE WHERE SPECIFIED (2#4) 24" BELOW GRADE

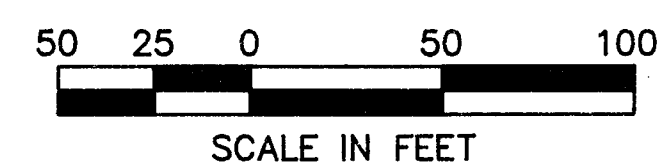
LIGHTING PLAN

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BY DATE 6/28/91
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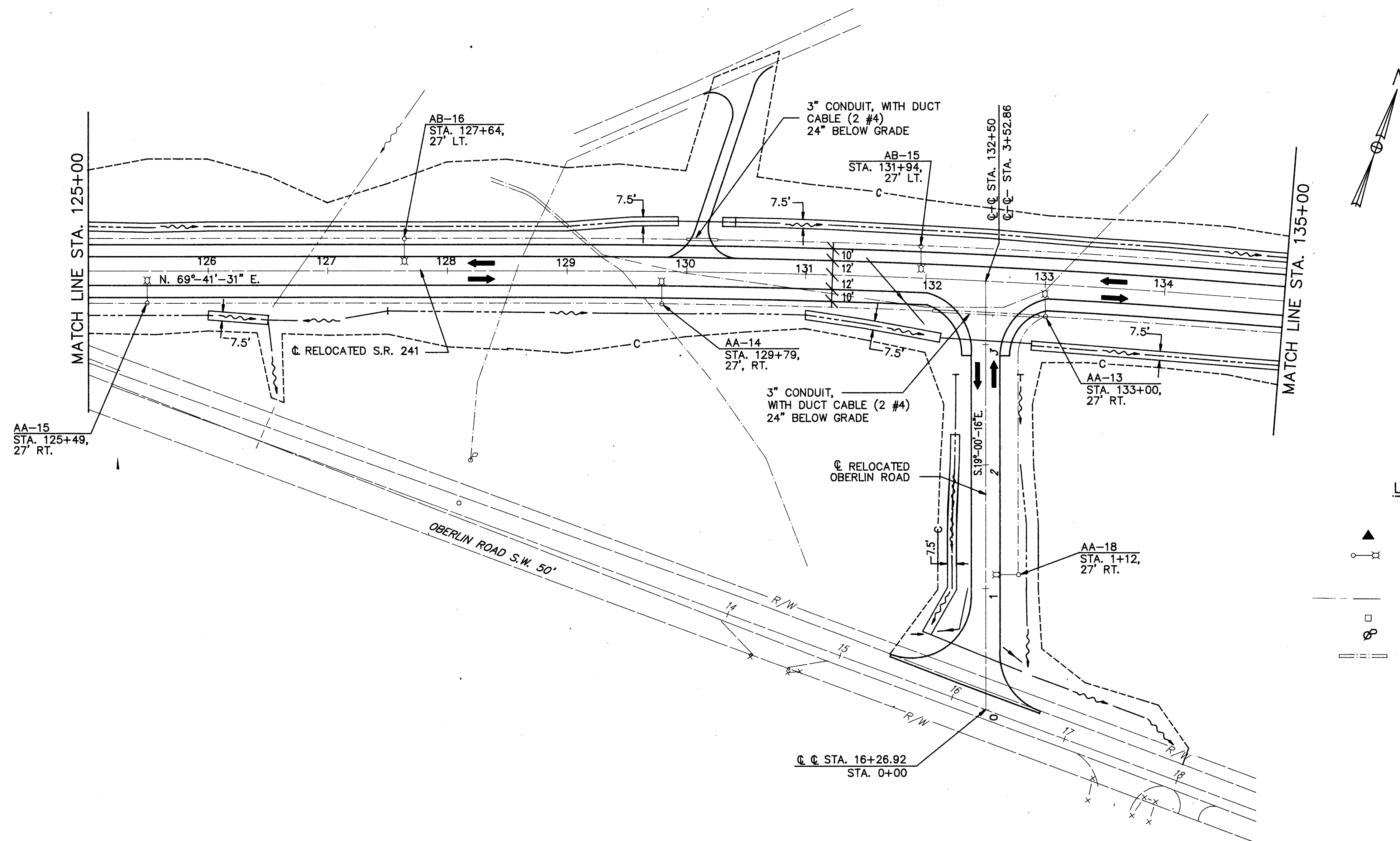
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REFERENCES

FOR PLAN & PROFILES SEE SHEET 64.
FOR CROSS SECTIONS SEE SHEETS 141-146
FOR RIGHT-OF-WAY PLANS SEE SHEET 292.



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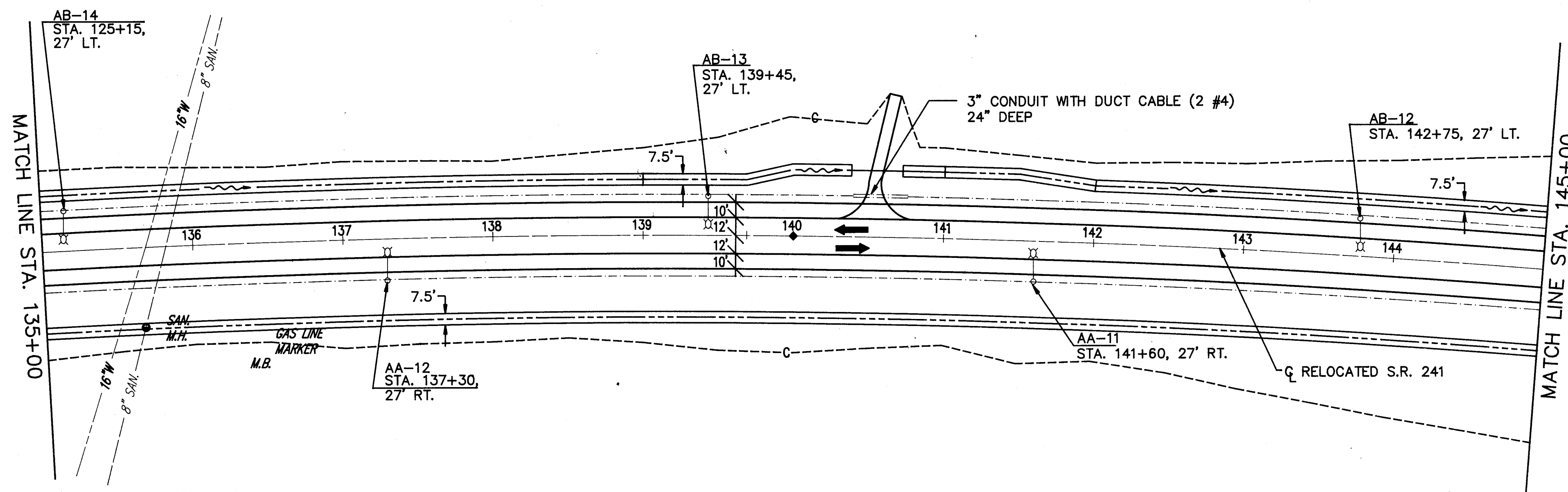
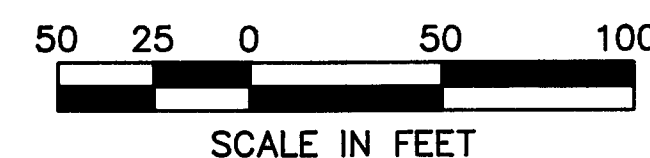
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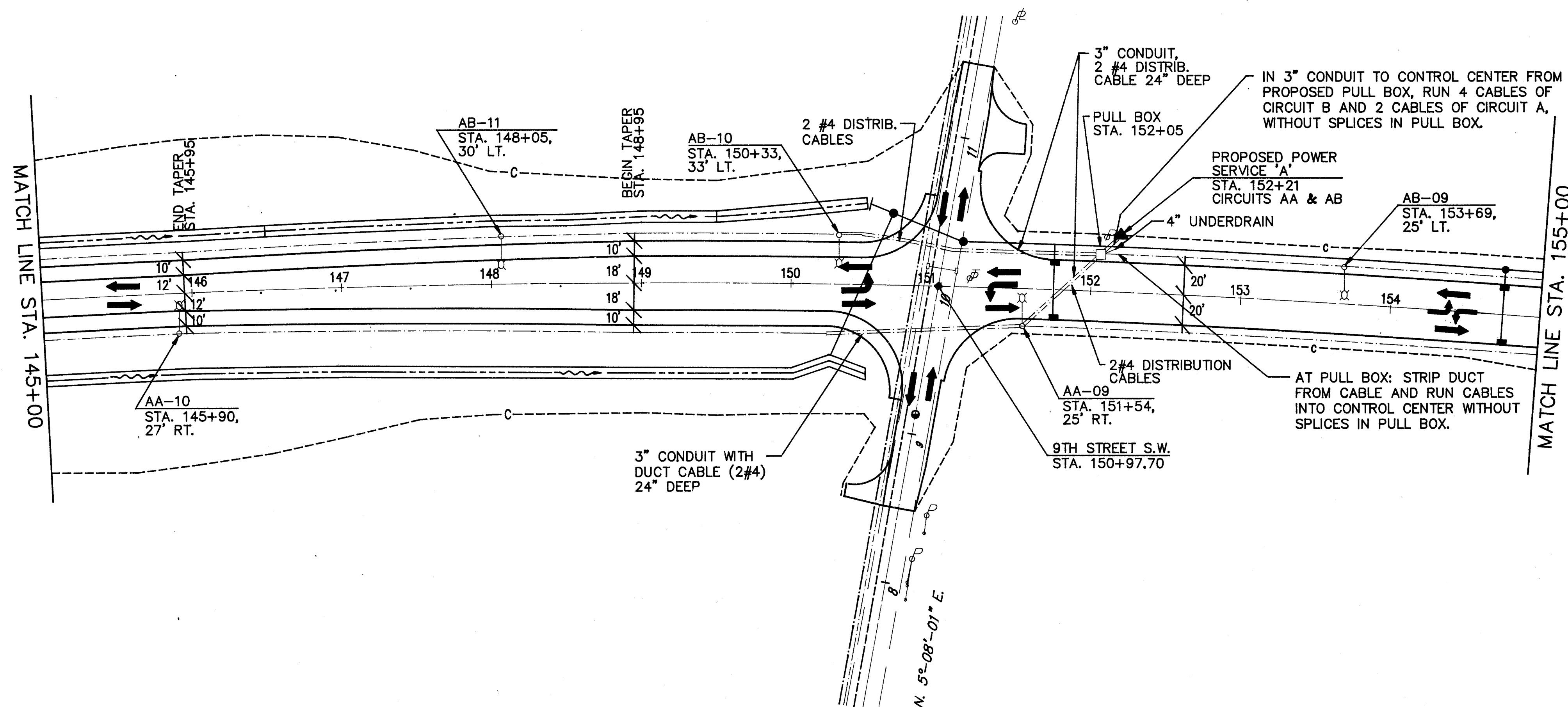


REFERENCES

FOR PLAN & PROFILES SEE SHEETS 65-66.
FOR CROSS SECTIONS SEE SHEETS 146-157.
FOR RIGHT-OF-WAY PLANS SEE SHEETS 293-294.

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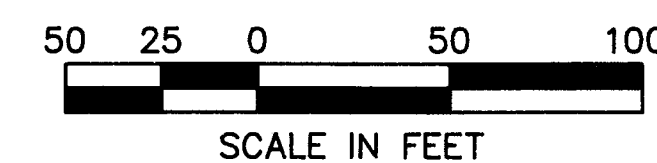


STATE ROUTE 241

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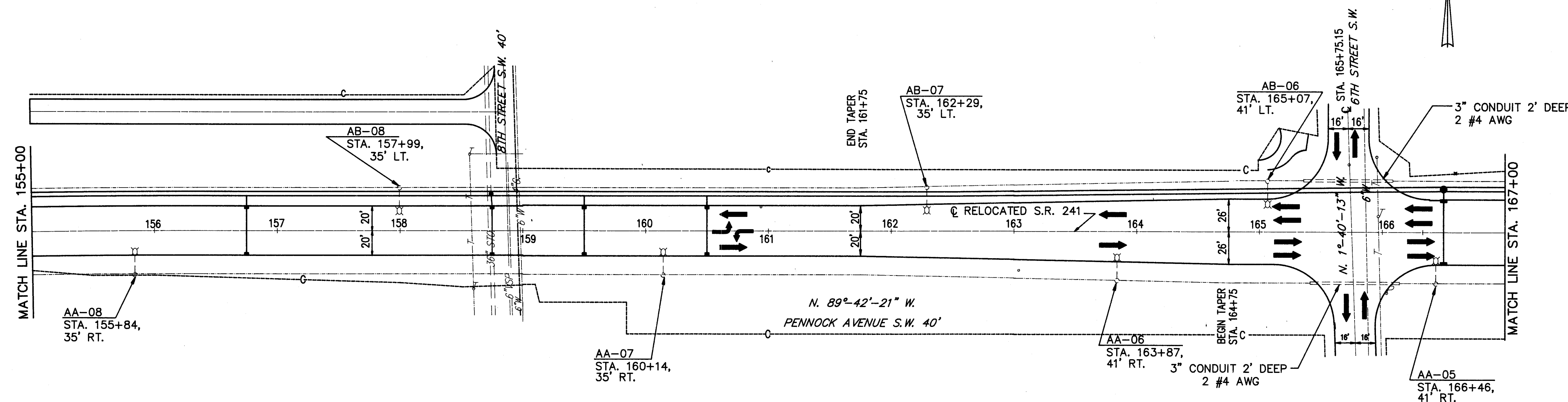
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LIGHTING PLAN



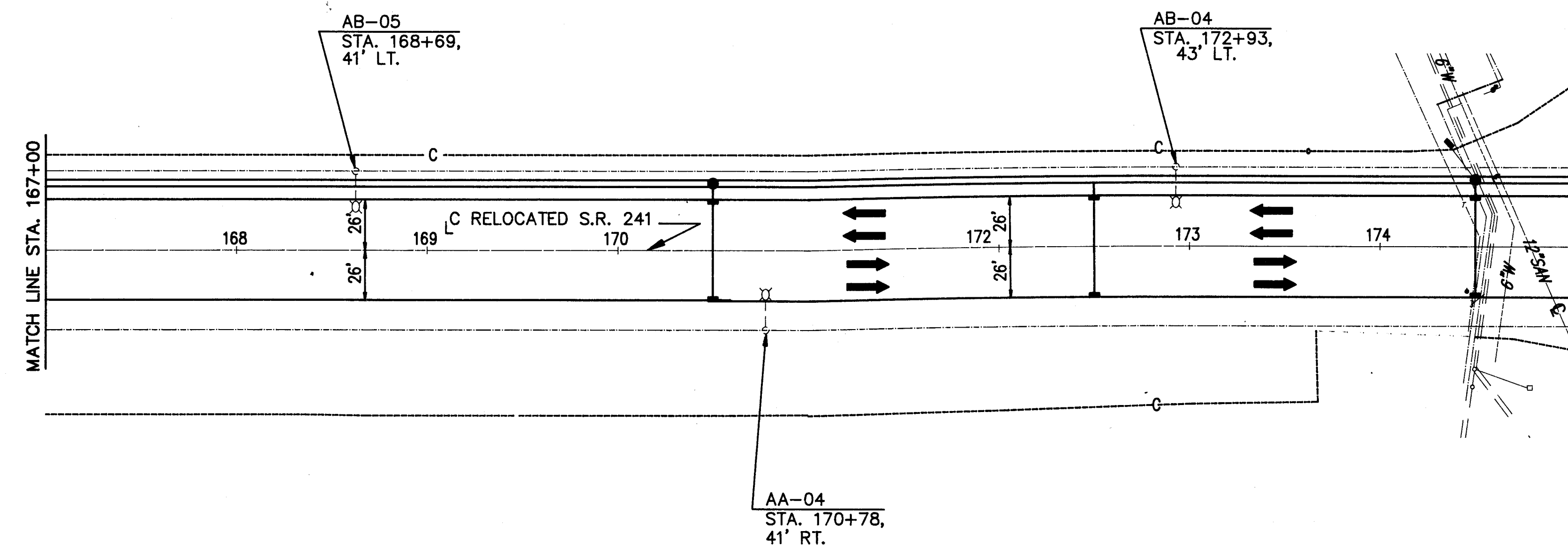
REFERENCES

FOR PLAN & PROFILES SEE SHEETS 67-71.
FOR CROSS SECTIONS SEE SHEETS 157-167.
FOR RIGHT-OF-WAY PLANS SEE SHEETS 295-299.

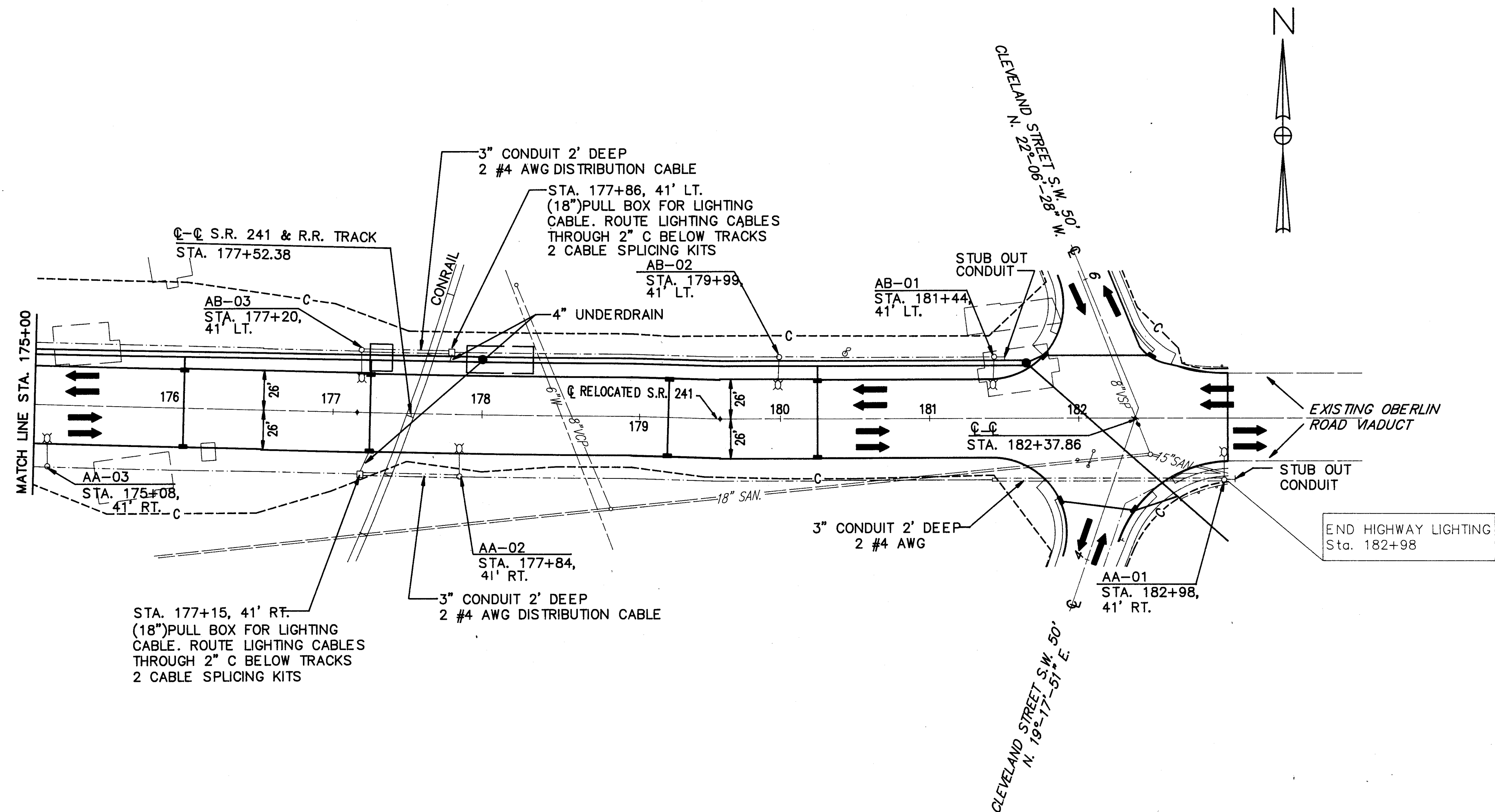
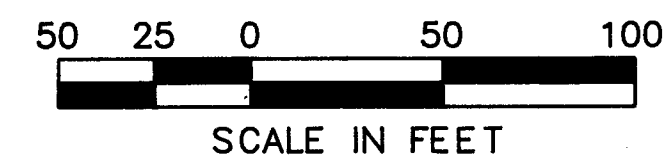


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LIGHTING PLAN



REFERENCES

FOR PLAN & PROFILES SEE SHEETS 73-75.
FOR CROSS SECTIONS SEE SHEETS 167-205.
FOR RIGHT-OF-WAY PLANS SEE SHEETS 300-303.

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