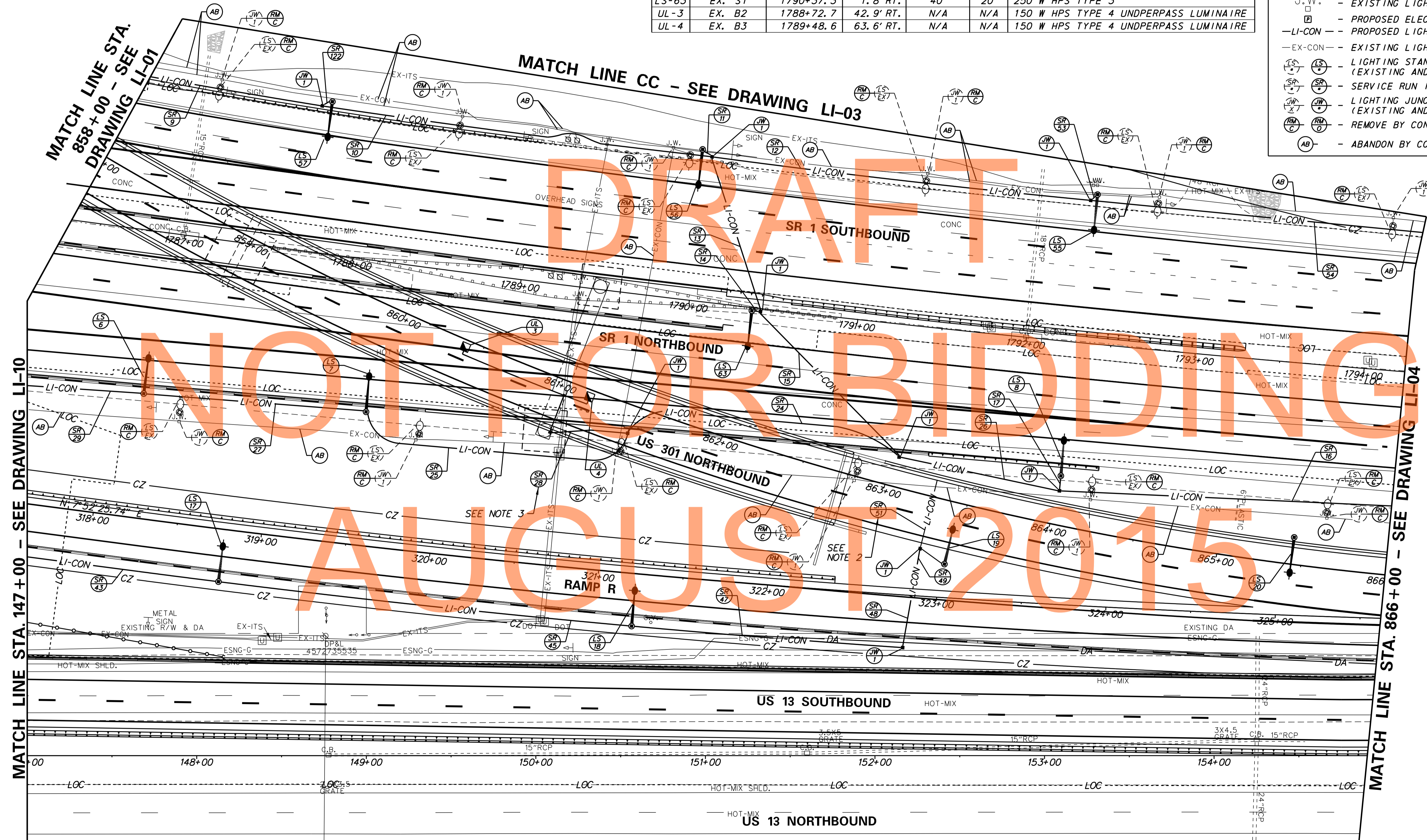


- NOTES:
- SEE DWG. NO. LI-12 FOR LIGHTING SERVICE SCHEDULE.
 - CONDUIT TO TIE INTO PROPOSED RETAINING WALL. SEE DWG. NO. LI-15 FOR DETAILS.
 - PROPOSED CONDUIT TO SERVE UNDERPASS LIGHTING. SEE DWG. NO. LI-14 FOR DETAILS.
 - LS-20 IS MOUNTED ON PROPOSED RETAINING WALL PARAPET.

LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-6	EX. B3	1786+88.2	94.9' RT.	40'	20'	400 W HPS TYPE 4
LS-7	EX. B1	1788+19.7	88.6' RT.	40'	20'	400 W HPS TYPE 4 WITH GLARE SHIELD
LS-8	EX. S3	1792+28.2	79.3' RT.	40'	20'	400 W HPS TYPE 3
LS-17	8	318+78.3	31.0' RT.	40'	10'	250 W HPS TYPE 3
LS-18	12	321+22.3	31.0' RT.	40'	10'	250 W HPS TYPE 3
LS-19	10	863+24.0	37.0' RT.	40'	10'	250 W HPS TYPE 3
LS-20	8	865+44.0	15.9' LT.	40'	5'	250 W HPS TYPE 3
LS-55	EX. F3	1792+33.5	87.9' LT.	40'	20'	400 W HPS TYPE 3
LS-56	EX. S1	1789+97.3	89.3' LT.	40'	20'	400 W HPS TYPE 3
LS-57	EX. F2	1787+75.8	89.4' LT.	40'	20'	400 W HPS TYPE 3
LS-63	EX. S1	1790+37.3	1.8' RT.	40'	20'	250 W HPS TYPE 3
UL-3	EX. B2	1788+72.7	42.9' RT.	N/A	N/A	150 W HPS TYPE 4 UNDERPASS LUMINAIRE
UL-4	EX. B3	1789+48.6	63.6' RT.	N/A	N/A	150 W HPS TYPE 4 UNDERPASS LUMINAIRE

LIGHTING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED DOUBLE DAVIT ARM LIGHTING STANDARD
	EXISTING LIGHTING STANDARD AND POLE BASE
	EXISTING OFFSET LIGHT POLE AND POLE BASE (SINGLE AND DUAL MOUNT)
	EXISTING FLOODLIGHT TOWER AND POLE BASE
	PROPOSED UNDERPASS LUMINAIRE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	EXISTING LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL
	PROPOSED LIGHTING SERVICE RUN
	EXISTING LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR



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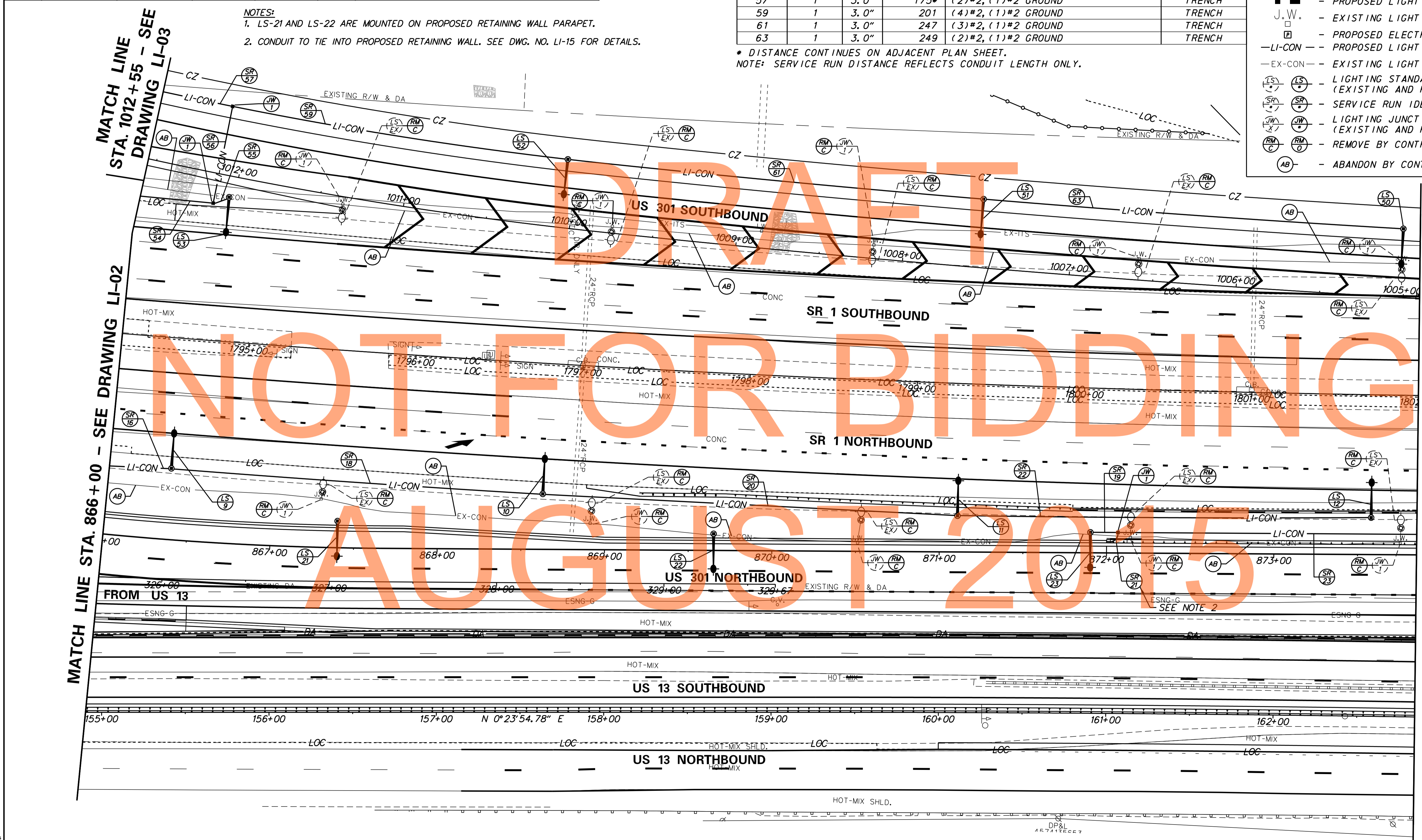
LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-9	EX. B1	1794+59.5	78.2' RT.	40'	15'	400 W HPS TYPE 3
LS-10	EX. B2	1796+80.5	78.2' RT.	40'	15'	250 W HPS TYPE 3
LS-11	EX. B3	1799+26.9	79.0' RT.	40'	15'	250 W HPS TYPE 3
LS-12	EX. B1	1801+72.5	73.4' RT.	40'	15'	250 W HPS TYPE 3
LS-21	12	867+40.2	15.9' LT.	40'	5'	250 W HPS TYPE 3
LS-22	10	869+65.2	9.9' LT.	40'	5'	250 W HPS TYPE 3
LS-23	8	871+90.3	12.25' LT	40'	10'	250 W HPS TYPE 3
LS-50	EX. F1	1005+2.3	41.0' RT.	40'	20'	250 W HPS TYPE 3
LS-51	EX. F3	1007+54.7	41.0' RT.	40'	20'	400 W HPS TYPE 3
LS-52	EX. F2	1010+5.6	41.0' RT.	40'	20'	400 W HPS TYPE 3
LS-53	EX. S2	1794+81.4	86.2' LT.	40'	20'	400 W HPS TYPE 3

LIGHTING SERVICE SCHEDULE						
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	
16	1	3.0"	231*	(4)#4, (1)#4 GROUND	TRENCH	
18	1	3.0"	220	(4)#4, (1)#4 GROUND	TRENCH	
19	1	3.0"	14	(2)#6, (1)#6 GROUND	TRENCH	
20	1	3.0"	245	(3)#4, (1)#4 GROUND	TRENCH	
21	1	3.0"	10	(4)#6, (1)#6 GROUND	TRENCH	
22	1	3.0"	244	(2)#4, (1)#4 GROUND	TRENCH	
23	1	3.0"	206*	(4)#6, (1)#6 GROUND	TRENCH	
54	1	3.0"	240*	(4)#2, (2)#4, (1)#2 GROUND	TRENCH	
55	1	3.0"	8	(2)#4, (1)#4 GROUND	TRENCH	
56	1	3.0"	57	(4)#2, (1)#2 GROUND	TRENCH	
57	1	3.0"	175*	(2)#2, (1)#2 GROUND	TRENCH	
59	1	3.0"	201	(4)#2, (1)#2 GROUND	TRENCH	
61	1	3.0"	247	(3)#2, (1)#2 GROUND	TRENCH	
63	1	3.0"	249	(2)#2, (1)#2 GROUND	TRENCH	

LIGHTING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED DOUBLE DAVIT ARM LIGHTING STANDARD
	EXISTING LIGHTING STANDARD AND POLE BASE
	EXISTING OFFSET LIGHT POLE AND POLE BASE (SINGLE AND DUAL MOUNT)
	EXISTING FLOODLIGHT TOWER AND POLE BASE
	PROPOSED UNDERPASS LUMINAIRE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	EXISTING LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL
	PROPOSED LIGHTING SERVICE RUN
	EXISTING LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

NOTES:
 1. LS-21 AND LS-22 ARE MOUNTED ON PROPOSED RETAINING WALL PARAPET.
 2. CONDUIT TO TIE INTO PROPOSED RETAINING WALL. SEE DWG. NO. LI-15 FOR DETAILS.

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
 NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



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LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED DOUBLE DAVIT ARM LIGHTING STANDARD
	EXISTING LIGHTING STANDARD AND POLE BASE
	EXISTING OFFSET LIGHT POLE AND POLE BASE (SINGLE AND DUAL MOUNT)
	EXISTING FLOODLIGHT TOWER AND POLE BASE
	PROPOSED UNDERPASS LUMINAIRE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	EXISTING LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL
	PROPOSED LIGHTING SERVICE RUN
	EXISTING LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-13	5/10**	1804+37.0	73.0' RT.	40'	**	(2)250 W HPS TYPE 3
LS-14	3	1806+73.2	73.0' RT.	40'	15'	250 W HPS TYPE 3
LS-15	1	1809+11.3	73.0' RT.	40'	15'	250 W HPS TYPE 3
LS-24	12	874+15.5	12.25' LT	40'	10'	250 W HPS TYPE 3
LS-26	8	878+67.0	47.3' RT.	40'	10'	250 W HPS TYPE 3
LS-27	12	880+91.9	40.9' RT.	40'	10'	250 W HPS TYPE 3
LS-47	5	1809+33.0	90.6' LT.	45'	20'	250 W HPS TYPE 3
LS-48	1	1806+95.3	90.5' LT.	40'	20'	250 W HPS TYPE 3
LS-49	3	1002+50.4	41.0' RT.	40'	20'	250 W HPS TYPE 3

** SEE NOTE 2

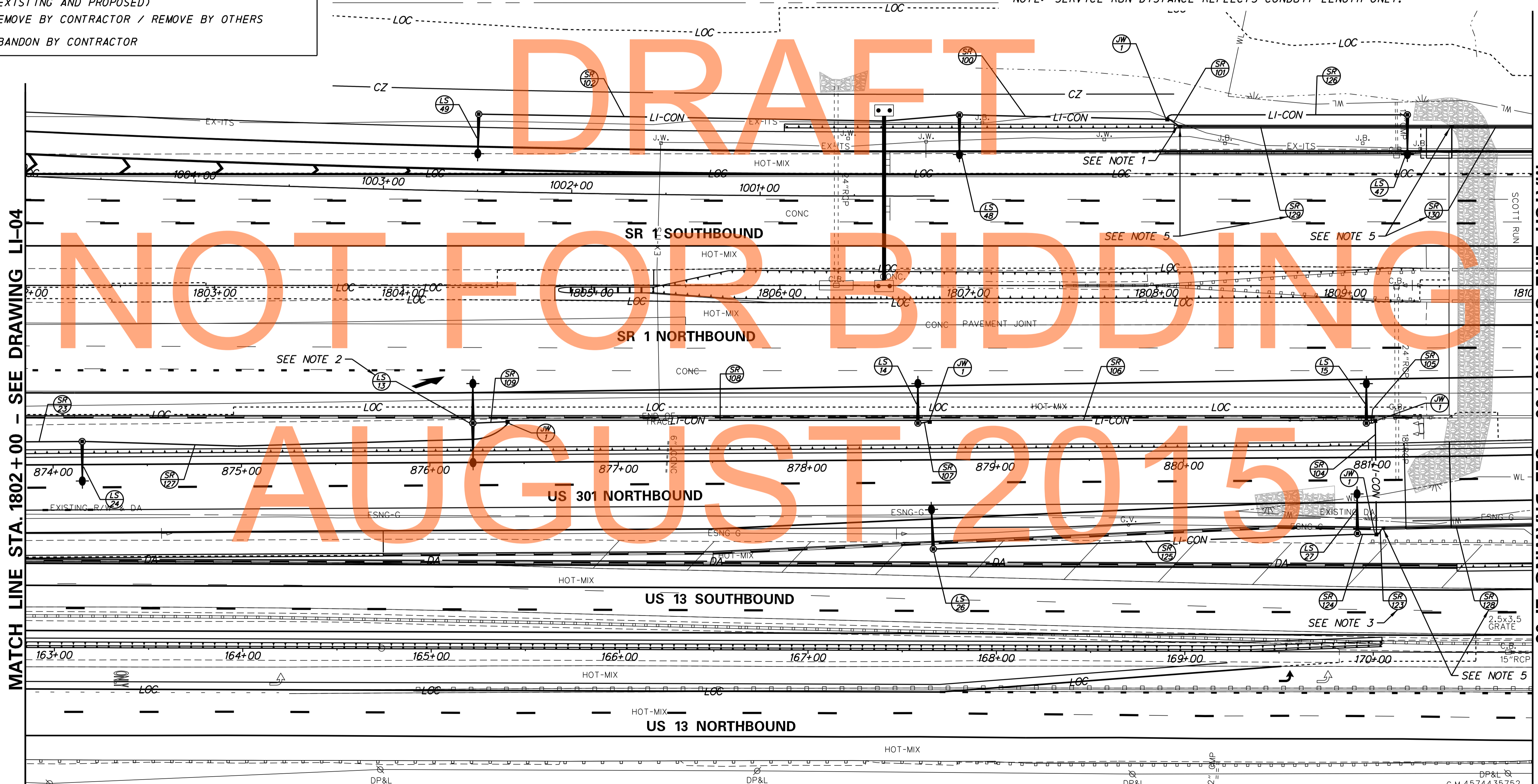
NOTES:

- CONDUIT TO TIE INTO PROPOSED RETAINING WALL.
- LS-13 TO HAVE DOUBLE DAVIT ARM. A 15' ARM SHALL BE MOUNTED OVER SR 1 NORTHBOUND WITH THE LUMINAIRE CONNECTED TO CIRCUIT 5. A 20' ARM SHALL BE MOUNTED OVER US 301 NORTHBOUND WITH THE LUMINAIRE CONNECTED TO CIRCUIT 10.
- CONDUIT TO TIE INTO PROPOSED CONCRETE BARRIER.
- LIGHTING STANDARD NO. LS-25 IS NOT USED.
- CONDUIT AND JUNCTION BOXES INSTALLED WITHIN BRIDGE STRUCTURE. REFER TO BRIDGE AND/OR RETAINING WALL PLANS FOR DETAILS OF INSTALLATION.

LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
23	1	3.0"	206*	(4)#6, (1)#6 GROUND	TRENCH
100	1	3.0"	108	(3)#8, (1)#8 GROUND	TRENCH
101	2	3.0"	5	(4)#8, (1)#8 GROUND	TRENCH
102	1	3.0"	252	(2)#8, (1)#8 GROUND	TRENCH
104	1	3.0"	59	(4)#6, (4)#8, (1)#6 GROUND	BORE
105	1	3.0"	3	(2)#8, (1)#8 GROUND	TRENCH
106	1	3.0"	235	(4)#6, (3)#8, (1)#6 GROUND	TRENCH
107	1	3.0"	4	(2)#8, (1)#8 GROUND	TRENCH
108	1	3.0"	222	(4)#6, (2)#8, (1)#6 GROUND	TRENCH
109	1	3.0"	16	(2)#6, (2)#8, (1)#6 GROUND	TRENCH
123	2	3.0"	5	(4)#6, (4)#8, (1)#6 GROUND	TRENCH
124	1	3.0"	8	(3)#8, (1)#8 GROUND	TRENCH
125	1	3.0"	222	(2)#8, (1)#8 GROUND	TRENCH
126	1	3.0"	128	(2)#8, (1)#8 GROUND	TRENCH
127	1	3.0"	227	(4)#6, (1)#6 GROUND	TRENCH
128	2	3.0"	187*	(4)#6, (4)#8, (1)#6 GROUND	-
129	2	3.0"	143	(4)#8, (1)#8 GROUND	-
130	2	3.0"	143*	(4)#8, (1)#8 GROUND	-

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



MATCH LINE STA. 1802+00 - SEE DRAWING LI-04

MATCH LINE STA. 1810+00 - SEE DRAWING LI-06

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ADDENDUMS / REVISIONS	



US 301 & SR 1 INTERCHANGE

CONTRACT	BRIDGE NO.	BRI-903N, BRI-903S, BRI-432, RWI-1 & RWI-3R
T200911302	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

LIGHTING PLAN

LI-05	SHEET NO.	437
	TOTAL SHTS.	491

LIGHTING SYMBOL LEGEND

- SYMBOL DESCRIPTION**
- PROPOSED LIGHTING STANDARD AND POLE BASE
 - PROPOSED DOUBLE DAVIT ARM LIGHTING STANDARD
 - EXISTING LIGHTING STANDARD AND POLE BASE
 - EXISTING OFFSET LIGHT POLE AND POLE BASE (SINGLE AND DUAL MOUNT)
 - EXISTING FLOODLIGHT TOWER AND POLE BASE
 - PROPOSED UNDERPASS LUMINAIRE
 - PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
 - PROPOSED LIGHTING JUNCTION WELL
 - EXISTING LIGHTING JUNCTION WELL
 - PROPOSED ELECTRICAL SERVICE ON PEDESTAL
 - PROPOSED LIGHTING SERVICE RUN
 - EXISTING LIGHTING SERVICE RUN
 - LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
 - SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
 - LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
 - REMOVE BY CONTRACTOR / REMOVE BY OTHERS
 - ABANDON BY CONTRACTOR

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-28	10	883+17.4	43.4' RT.	40'	20'	400 W HPS TYPE 4
LS-29	8	885+18.5	43.0' RT.	40'	20'	400 W HPS TYPE 4
LS-30	2	887+21.2	43.0' RT.	40'	20'	400 W HPS TYPE 4
LS-31	4	889+27.3	41.8' RT.	40'	20'	250 W HPS TYPE 3
LS-44	5	1816+92.9	88.25' LT.	40'	20'	250 W HPS TYPE 3
LS-45	1	1814+42.6	90.8' LT.	40'	20'	250 W HPS TYPE 3
LS-46	3	1811+91.9	90.8' LT.	40'	20'	250 W HPS TYPE 3

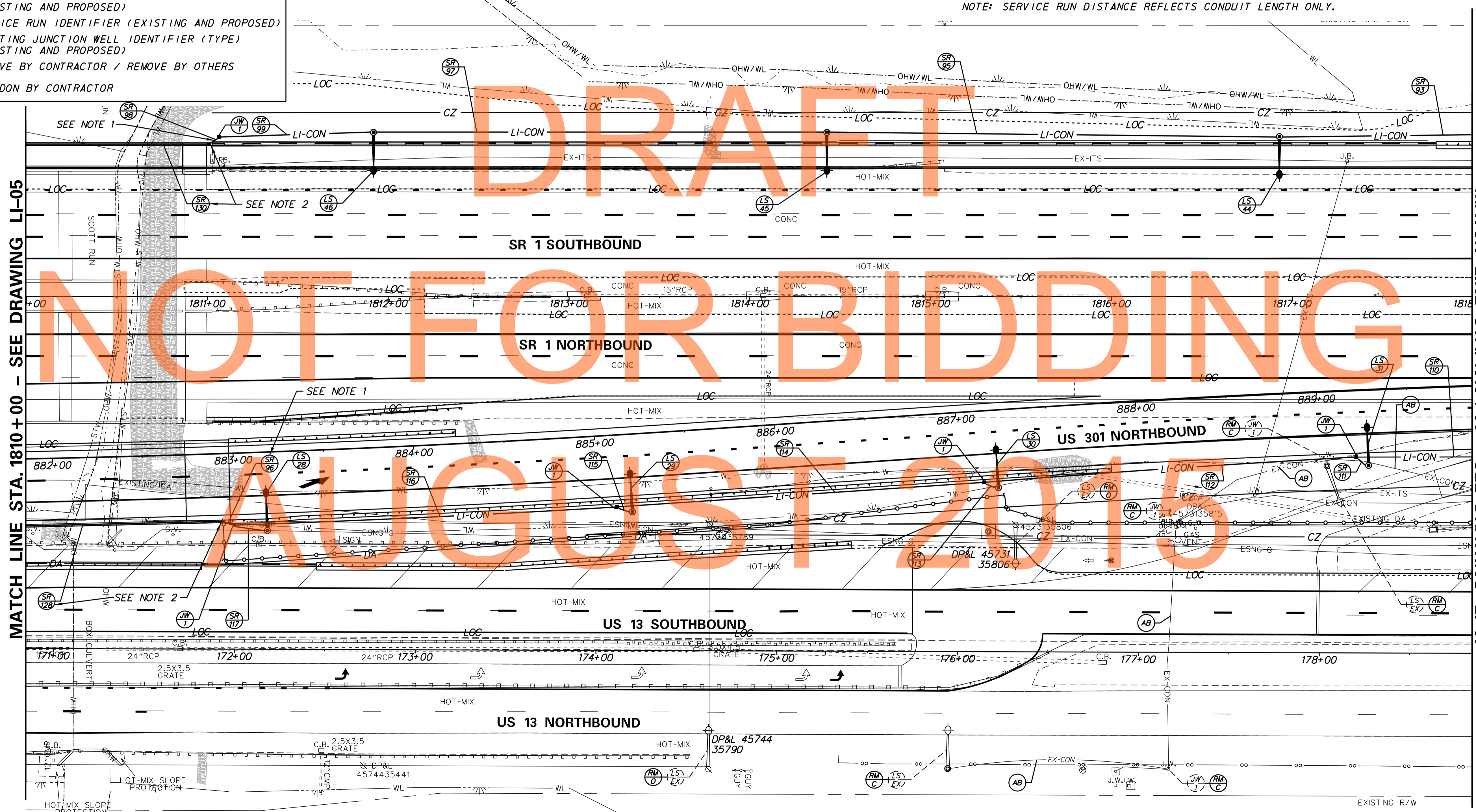
NOTES:

1. CONDUIT TO TIE INTO PROPOSED BRIDGE PARAPET.
2. CONDUIT AND JUNCTION BOXES INSTALLED WITHIN BRIDGE STRUCTURE. REFER TO BRIDGE PLANS FOR DETAILS OF INSTALLATION.

LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
93	1	3.0"	225*	(4)#8, (1)#8 GROUND	TRENCH
95	1	3.0"	247	(4)#8, (1)#8 GROUND	TRENCH
96	2	3.0"	6	(4)#6, (4)#8, (1)#6 GROUND	TRENCH
97	1	3.0"	248	(4)#8, (1)#8 GROUND	TRENCH
98	2	3.0"	4	(4)#8, (1)#8 GROUND	TRENCH
99	1	3.0"	83	(4)#8, (1)#8 GROUND	TRENCH
110	1	3.0"	181*	(4)#6, (7)#8, (1)#6 GROUND	TRENCH
111	1	3.0"	6	(2)#8, (1)#8 GROUND	TRENCH
112	1	3.0"	205	(4)#6, (6)#8, (1)#6 GROUND	TRENCH
113	1	3.0"	6	(2)#8, (1)#8 GROUND	TRENCH
114	1	3.0"	202	(4)#6, (4)#8, (1)#6 GROUND	TRENCH
115	1	3.0"	6	(2)#6, (1)#6 GROUND	TRENCH
116	1	3.0"	210	(4)#6, (4)#8, (1)#6 GROUND	TRENCH
117	1	3.0"	16	(2)#6, (1)#6 GROUND	TRENCH
128	2	3.0"	187*	(4)#6, (4)#8, (1)#6 GROUND	-
130	2	3.0"	143*	(4)#8, (1)#8 GROUND	-

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



MATCH LINE STA. 1810+00 - SEE DRAWING LI-05

MATCH LINE STA. 1818+00 - SEE DRAWING LI-07

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LIGHTING SYMBOL LEGEND

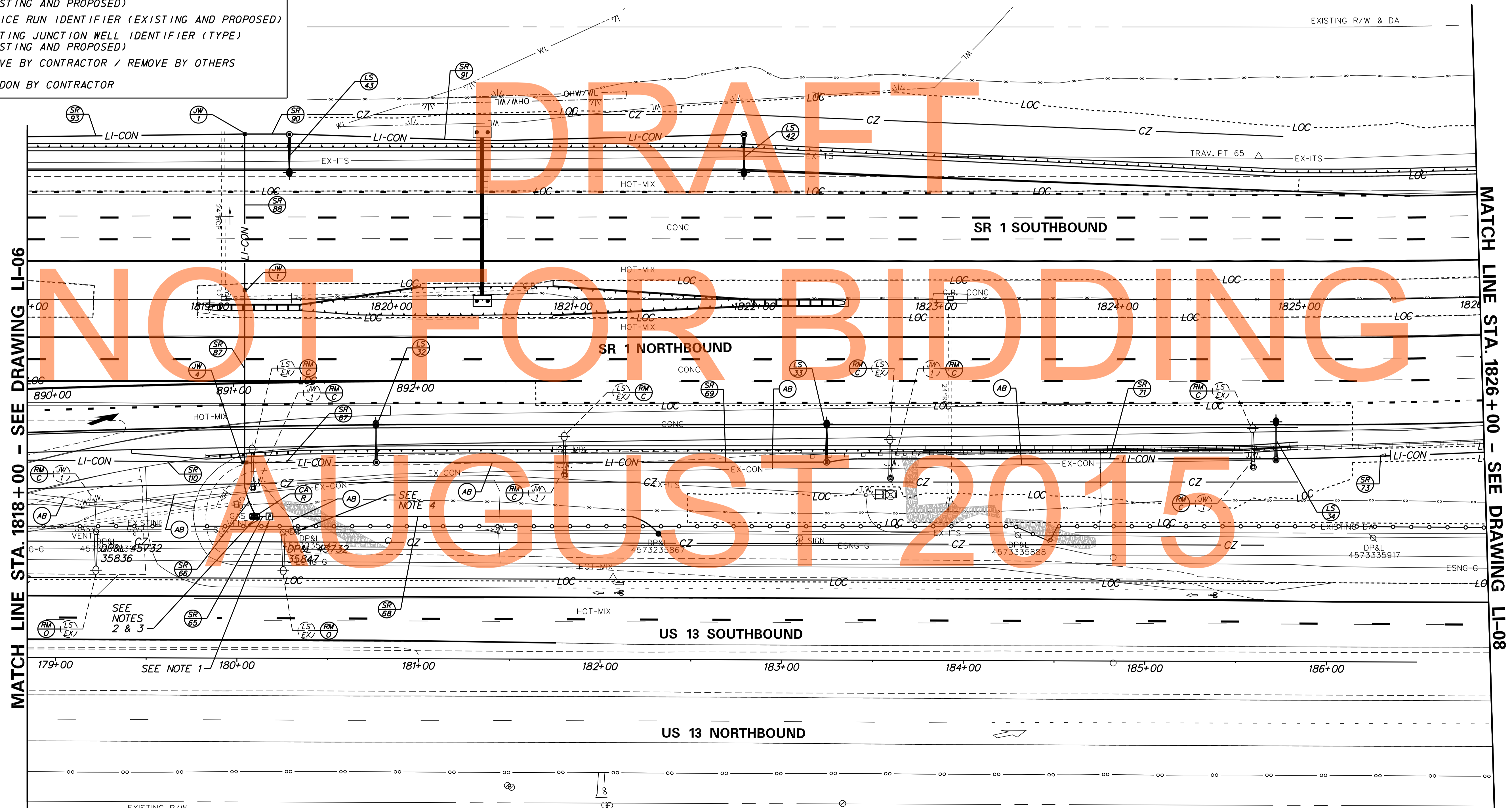
SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED DOUBLE DAVIT ARM LIGHTING STANDARD
	EXISTING LIGHTING STANDARD AND POLE BASE
	EXISTING OFFSET LIGHT POLE AND POLE BASE (SINGLE AND DUAL MOUNT)
	EXISTING FLOODLIGHT TOWER AND POLE BASE
	PROPOSED UNDERPASS LUMINAIRE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	EXISTING LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL
	PROPOSED LIGHTING SERVICE RUN
	EXISTING LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
65**	1	3.0"	5	(4)#4/0, (1)#2 GROUND	TRENCH
66	4	4.0"	28	(4)#6, (8)#8, (1)#6 GROUND	TRENCH
67	1	3.0"	70	(4)#8, (1)#8 GROUND	TRENCH
68**	1	3.0"	216	(4)#4/0, (1)#2 GROUND	TRENCH
69	1	3.0"	245	(4)#8, (1)#8 GROUND	TRENCH
71	1	3.0"	245	(4)#8, (1)#8 GROUND	TRENCH
73	1	3.0"	245*	(4)#8, (1)#8 GROUND	TRENCH
87	1	3.0"	93	(4)#8, (1)#8 GROUND	BORE
88	1	3.0"	84	(4)#8, (1)#8 GROUND	BORE
90	1	3.0"	22	(3)#8, (1)#8 GROUND	TRENCH
91	1	3.0"	248	(2)#8, (1)#8 GROUND	TRENCH
93	1	3.0"	225*	(4)#8, (1)#8 GROUND	TRENCH
110	1	3.0"	181*	(4)#6, (7)#8, (1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
 ** RIGID GALVANIZED STEEL CONDUIT
 NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD	
LS-32	6	891+78.1	44.7' RT.	40'	20'	250 W HPS TYPE 3	
LS-33	2	1822+39.7	89.7' RT.	40'	20'	250 W HPS TYPE 3	
LS-34	4	1824+87.2	87.8' RT.	40'	20'	250 W HPS TYPE 3	
LS-42	1	1821+94.1	90.8' LT.	40'	20'	250 W HPS TYPE 3	
LS-43	3	1819+43.8	90.8' LT.	40'	20'	250 W HPS TYPE 3	

- NOTES:
- INSTALL ELECTRICAL SERVICE PEDESTAL WITH 277/480Y VAC, 3 PHASE, 4 WIRE, 200 AMP ELECTRICAL SERVICE.
 - INSTALL CABINET BASE AS PER STD. NO. T-4 WITH 3 INCH CONDUIT SWEEPS. UNUSED CONDUIT SWEEPS SHALL BE CAPPED. INSTALL LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE. SEE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE DETAILS ON DWG. NO. LI-16.
 - SEE DWG. NO. LI-17 FOR LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE WIRING DIAGRAM. SEE DWG. NO. LI-12 FOR PANELBOARD SCHEDULE.
 - COORDINATE WITH DELMARVA POWER FOR DISCONNECTION AND REMOVAL OF EXISTING ELECTRICAL SERVICE. REMOVE EXISTING SERVICE METER, DISCONNECT SWITCH, CONTROL ENCLOSURE, RISERS AND CONDUITS.



MATCH LINE STA. 1818+00 - SEE DRAWING LI-06

MATCH LINE STA. 1826+00 - SEE DRAWING LI-08

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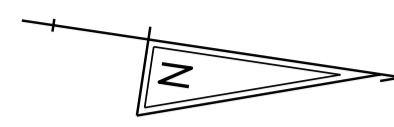
LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED DOUBLE DAVIT ARM LIGHTING STANDARD
	EXISTING LIGHTING STANDARD AND POLE BASE
	EXISTING OFFSET LIGHT POLE AND POLE BASE (SINGLE AND DUAL MOUNT)
	EXISTING FLOODLIGHT TOWER AND POLE BASE
	PROPOSED UNDERPASS LUMINAIRE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	EXISTING LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL
	PROPOSED LIGHTING SERVICE RUN
	EXISTING LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-35	6	1827+27.9	85.0' RT.	40'	20'	250 W HPS TYPE 3
LS-36	2	1829+69.9	84.5' RT.	40'	20'	250 W HPS TYPE 3
LS-37	4	1832+14.7	84.1' RT.	40'	20'	250 W HPS TYPE 3

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
73	1	3.0"	245*	(4)#8, (1)#8 GROUND	TRENCH
75	1	3.0"	246	(4)#8, (1)#8 GROUND	TRENCH
77	1	3.0"	249	(4)#8, (1)#8 GROUND	TRENCH
79	1	3.0"	250*	(4)#8, (1)#8 GROUND	TRENCH

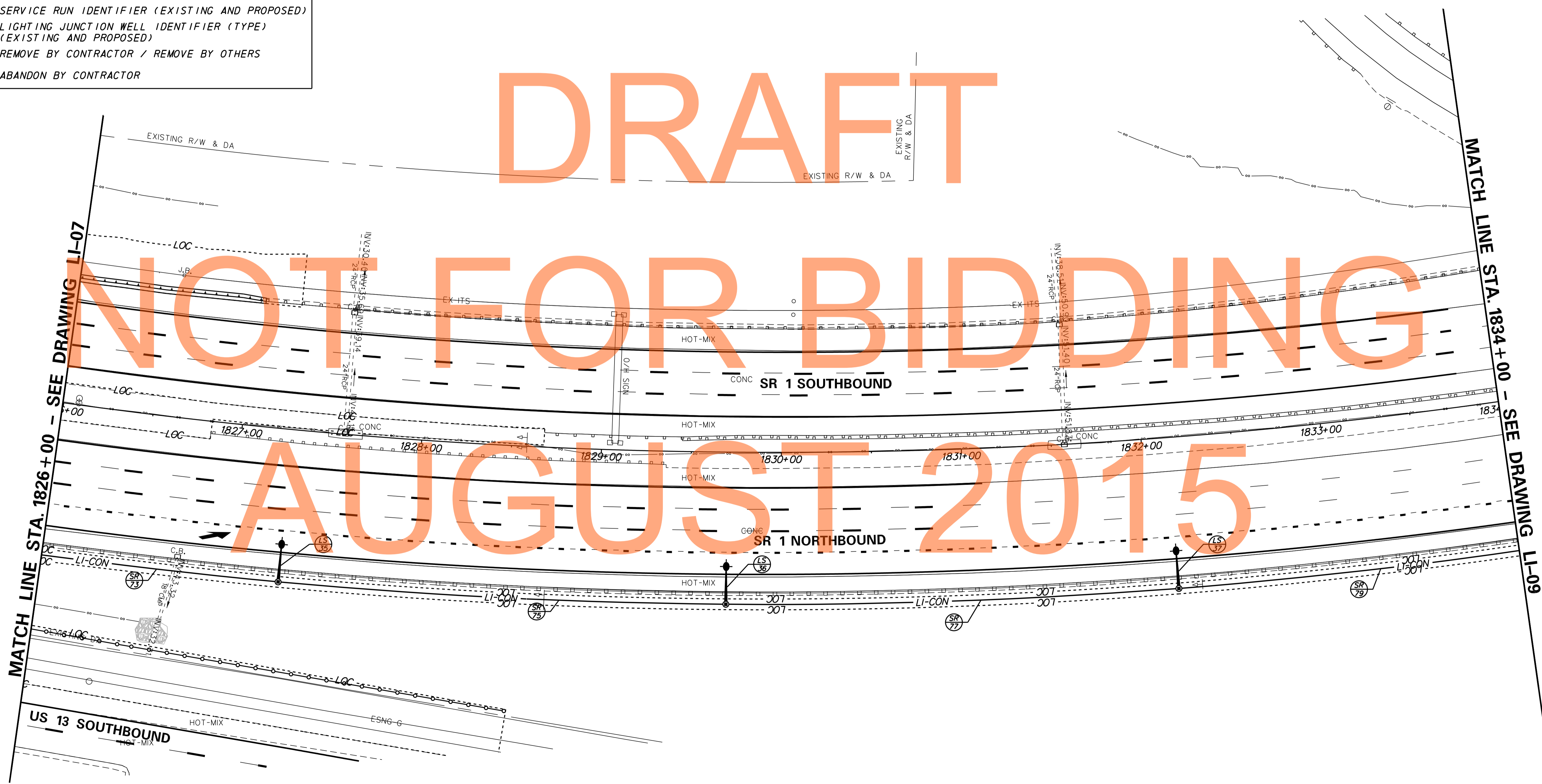
* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



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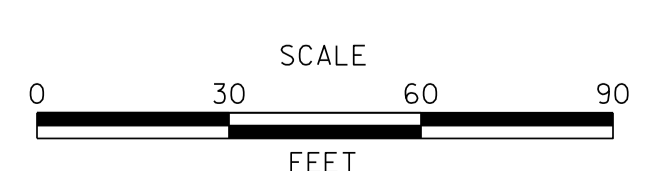
AUGUST 2015



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ADDENDUMS / REVISIONS	



US 301 & SR 1 INTERCHANGE

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

LIGHTING PLAN

LI-08
SHEET NO. 440
TOTAL SHTS. 491

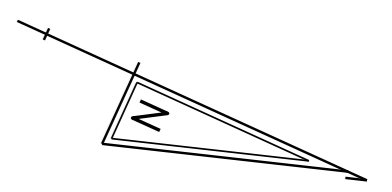
LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED DOUBLE DAVIT ARM LIGHTING STANDARD
	EXISTING LIGHTING STANDARD AND POLE BASE
	EXISTING OFFSET LIGHT POLE AND POLE BASE (SINGLE AND DUAL MOUNT)
	EXISTING FLOODLIGHT TOWER AND POLE BASE
	PROPOSED UNDERPASS LUMINAIRE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	EXISTING LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL
	PROPOSED LIGHTING SERVICE RUN
	EXISTING LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-38	6	1834+59.9	83.4' RT.	40'	20'	250 W HPS TYPE 3
LS-39	2	1837+4.8	83.1' RT.	40'	20'	250 W HPS TYPE 3
LS-40	4	1839+50.9	82.8' RT.	40'	20'	250 W HPS TYPE 3
LS-41	6	1841+95.9	82.3' RT.	40'	20'	250 W HPS TYPE 3

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
79	1	3.0"	250*	(4)#8, (1)#8 GROUND	TRENCH
81	1	3.0"	250	(4)#8, (1)#8 GROUND	TRENCH
83	1	3.0"	250	(3)#8, (1)#8 GROUND	TRENCH
85	1	3.0"	250	(2)#8, (1)#8 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



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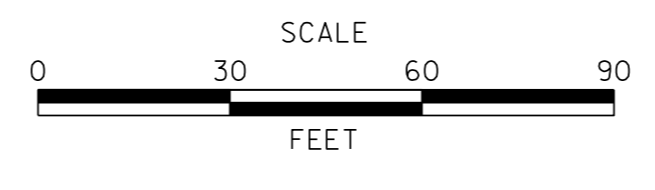
AUGUST 2015



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ADDENDUMS / REVISIONS



US 301 & SR 1 INTERCHANGE

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

LIGHTING PLAN

LI-09
SHEET NO. 441
TOTAL SHTS. 491

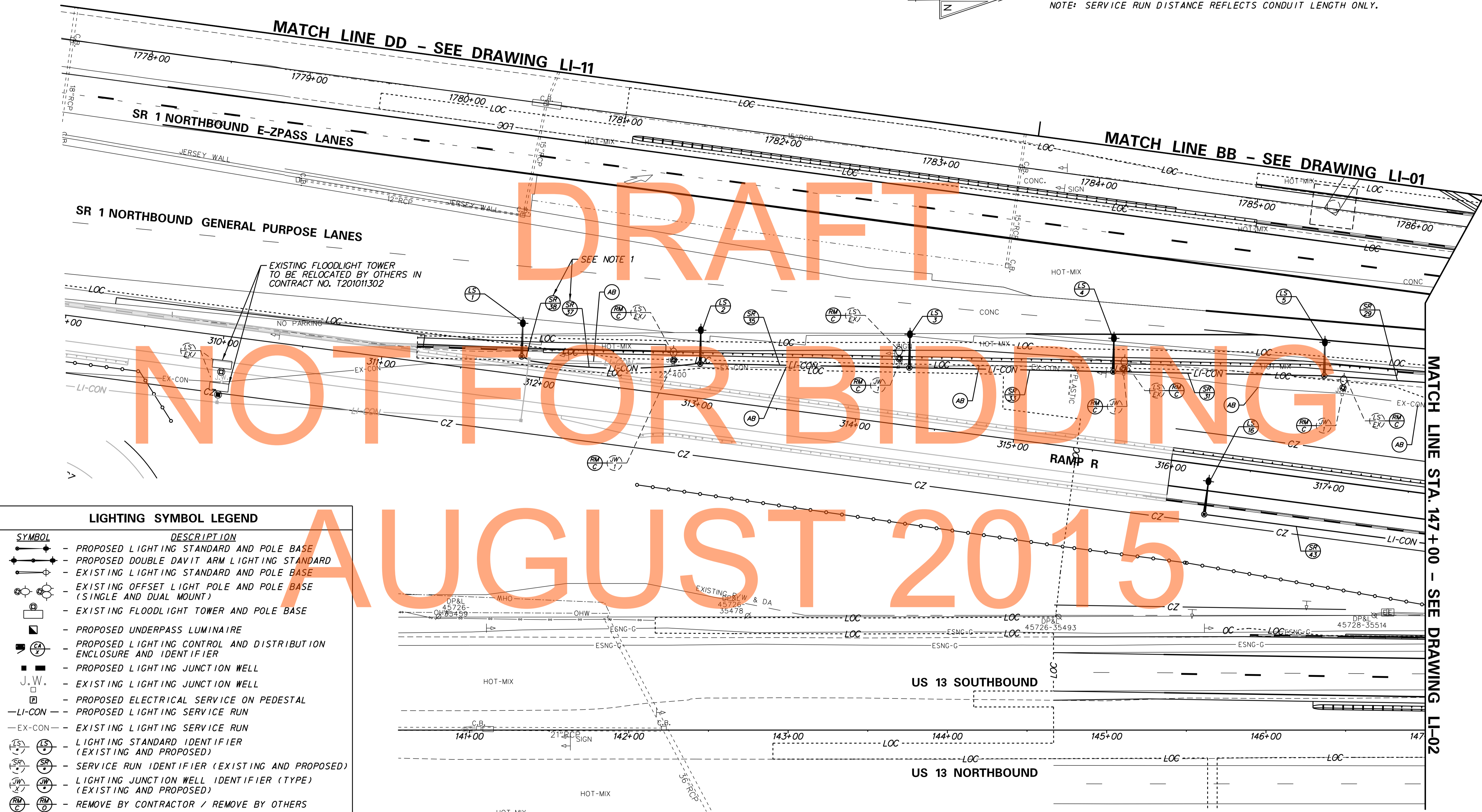
NOTES:

- TIE PROPOSED SERVICE RUN NOS. 37 AND 38 INTO TYPE 1 JUNCTION WELL PROPOSED BY OTHERS IN CONTRACT NO. T201011302. SPLICE PROPOSED (4) #4 AWG ELECTRICAL CABLES IN SERVICE RUN NOS. 37 AND 38 TO THE ELECTRICAL CABLES PROPOSED BY OTHERS FOR EX. CIRCUIT NOS. B1, B2 AND B3. REPAIR EXISTING JUNCTION WELL.
- ALL CONDUITS AND JUNCTION WELLS SHOWN SCREENED ON THIS PLAN ARE PROPOSED BY OTHERS UNDER CONTRACT NO. T201011302.

LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-1	EX. B1	1780+55.2	159.3' RT.	40'	20'	400 W HPS TYPE 4
LS-2	EX. B2	1781+66.8	148.9' RT.	40'	20'	400 W HPS TYPE 4
LS-3	EX. B3	1782+97.3	134.0' RT.	40'	20'	400 W HPS TYPE 4
LS-4	EX. B1	1784+24.5	119.5' RT.	40'	20'	400 W HPS TYPE 4
LS-5	EX. B2	1785+56.2	104.5' RT.	40'	20'	400 W HPS TYPE 4
LS-16	10	316+24.8	31.0' RT.	40'	10'	250 W HPS TYPE 3

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
29	1	3.0"	130*	(4)#4, (1)#4 GROUND	TRENCH
31	1	3.0"	130	(4)#4, (1)#4 GROUND	TRENCH
33	1	3.0"	125	(4)#4, (1)#4 GROUND	TRENCH
35	1	3.0"	128	(4)#4, (1)#4 GROUND	TRENCH
37	1	3.0"	106	(4)#4, (1)#4 GROUND	TRENCH
38	1	3.0"	3	(2)#4, (1)#4 GROUND	TRENCH
43	1	3.0"	250*	(2)#6, (1)#6 GROUND	TRENCH

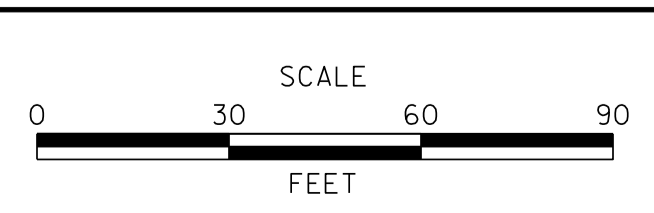
* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED DOUBLE DAVIT ARM LIGHTING STANDARD
	EXISTING LIGHTING STANDARD AND POLE BASE
	EXISTING OFFSET LIGHT POLE AND POLE BASE (SINGLE AND DUAL MOUNT)
	EXISTING FLOODLIGHT TOWER AND POLE BASE
	PROPOSED UNDERPASS LUMINAIRE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	EXISTING LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL
	PROPOSED LIGHTING SERVICE RUN
	EXISTING LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

ADDENDUMS / REVISIONS



US 301 & SR 1 INTERCHANGE

CONTRACT	T200911302	BRIDGE NO.	BR1-433 & RW1-3R
COUNTY	NEW CASTLE	DESIGNED BY:	J.D.C.
		CHECKED BY:	J.M.M.

LIGHTING PLAN

LI-10	SHEET NO.	442
	TOTAL SHTS.	491

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LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED DOUBLE DAVIT ARM LIGHTING STANDARD
	EXISTING LIGHTING STANDARD AND POLE BASE
	EXISTING OFFSET LIGHT POLE AND POLE BASE (SINGLE AND DUAL MOUNT)
	EXISTING FLOODLIGHT TOWER AND POLE BASE
	PROPOSED UNDERPASS LUMINAIRE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	EXISTING LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL
	PROPOSED LIGHTING SERVICE RUN
	EXISTING LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

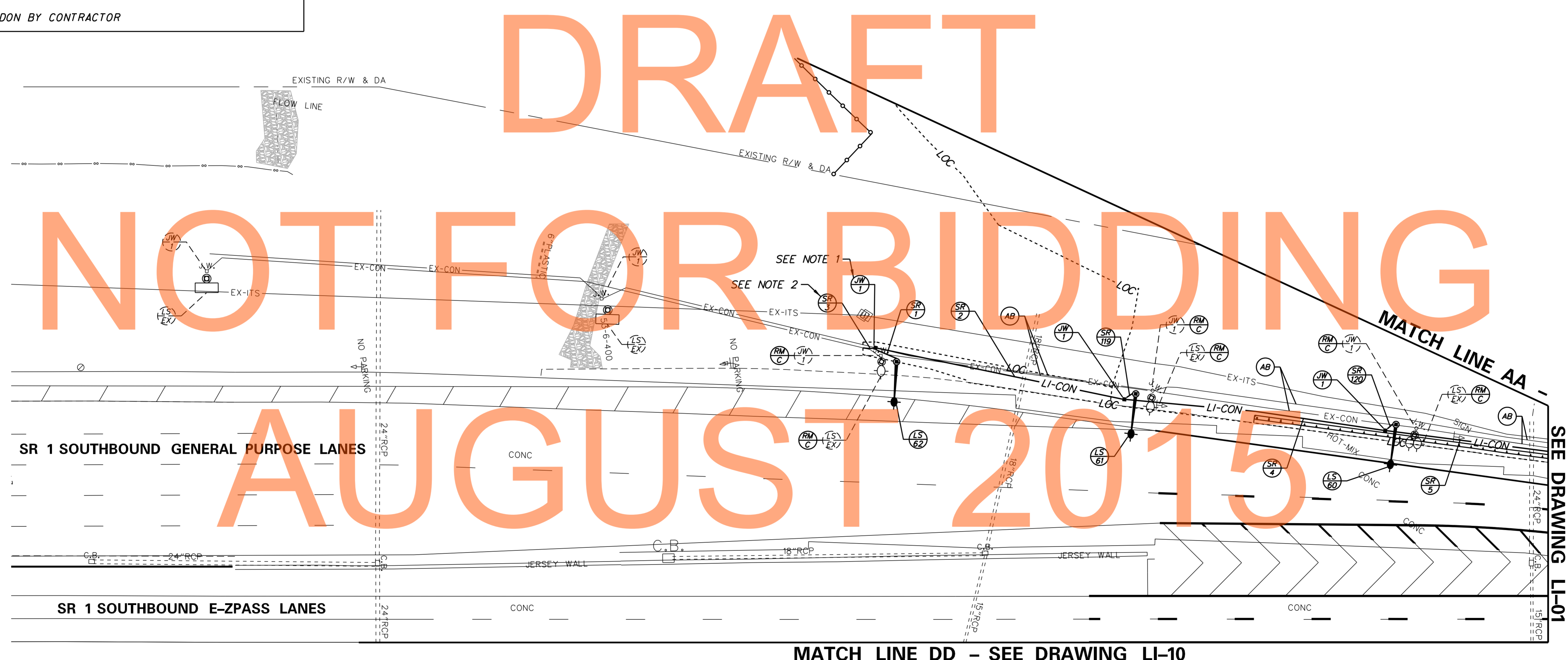
LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD	
LS-60	EX. F2	1782+79.2	134.3' LT.	40'	20'	400 W HPS TYPE 4	
LS-61	EX. S1	1781+43.7	150.2' LT.	40'	20'	400 W HPS TYPE 4	
LS-62	EX. F1	1780+19.2	166.9' LT.	40'	20'	400 W HPS TYPE 4	

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
1	1	3.0"	12	(2)#2, (1)#2 GROUND	TRENCH
2	1	3.0"	131	(4)#2, (4)#4, (1)#2 GROUND	TRENCH
3**	1	2.0"	6	EX. (4)#2, (1)#2 GROUND	TRENCH
4	1	3.0"	135	(4)#2, (4)#4, (1)#2 GROUND	TRENCH
5	1	3.0"	108*	(4)#2, (4)#4, (1)#2 GROUND	TRENCH
119	1	3.0"	4	(2)#4, (1)#4 GROUND	TRENCH
120	1	3.0"	4	(2)#2, (1)#2 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
 ** RIGID GALVANIZED STEEL CONDUIT
 NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

NOTES:

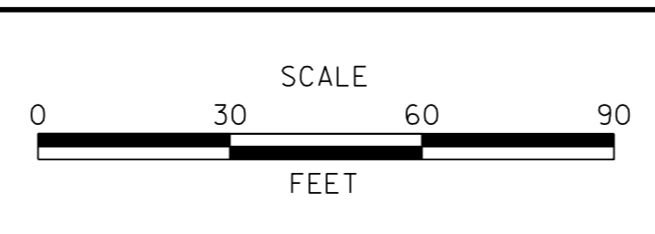
- LOCATE AND INTERCEPT THE CONDUIT RUN CARRYING EXISTING CIRCUIT NOS. S1, S2 AND S3 AND INSTALL A TYPE 1 JUNCTION WELL. CUT AND OR PULL BACK THE CABLES IN THE EXISTING CONDUIT TO THE PROPOSED JUNCTION WELL SO THAT ELECTRICAL SERVICE IS MAINTAINED TO THE SOUTH AND SUFFICIENT LENGTH IS LEFT FOR SPLICING TO THE PROPOSED (4)#4 ELECTRICAL CABLES IN SERVICE RUN NO. 2.
- LOCATE AND INTERCEPT THE EXISTING CONDUIT RUN CARRYING EXISTING CIRCUIT NOS. F1, F2 AND F3. PULL BACK THE EXISTING CABLES AND CUT THE EXISTING CONDUIT ONLY SO THAT CONNECTION IS MAINTAINED TO THE SOUTH. COUPLE PROPOSED SERVICE RUN NO. 3 TO THE REMAINING EXISTING CONDUIT AND RE-FEED CABLES TO THE PROPOSED TYPE 1 JUNCTION WELL. SPLICE THE EXISTING CABLES TO THE PROPOSED (4)#2 ELECTRICAL CABLES IN SERVICE RUN NO. 1 AND NO. 2.



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ADDENDUMS / REVISIONS	



US 301 & SR 1 INTERCHANGE

CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

LIGHTING PLAN

LI-11
SHEET NO.
443
TOTAL SHTS.
491

LIGHTING SERVICE SCHEDULE (LI-02)					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
9	1	3.0"	137*	(4)#2, (4)#4, (1)#2 GROUND	TRENCH
10	1	3.0"	232	(4)#2, (4)#4, (1)#2 GROUND	TRENCH
11	1	3.0"	5	(2)#4, (1)#4 GROUND	TRENCH
12	1	3.0"	223	(4)#2, (2)#4, (1)#2 GROUND	TRENCH
13	1	3.0"	94	(3)#4, (1)#4 GROUND	BORE
14	1	3.0"	3	(2)#4, (1)#4 GROUND	TRENCH
15	1	3.0"	118	(2)#4, (1)#4 GROUND	BORE
16	1	3.0"	231*	(4)#4, (1)#4 GROUND	TRENCH
17	1	3.0"	10	(2)#4, (1)#4 GROUND	TRENCH
24	1	3.0"	168	(4)#4, (1)#4 GROUND	BORE
25	1	3.0"	169	(4)#4, (1)#4 GROUND	TRENCH
26	1	3.0"	95	(6)#4, (1)#4 GROUND	TRENCH
27	1	3.0"	130	(4)#4, (1)#4 GROUND	TRENCH
28**	1	1.0"	75*	(3)#10, (1)#10 GROUND	TRENCH
29	1	3.0"	130*	(4)#4, (1)#4 GROUND	TRENCH
43	1	3.0"	250*	(2)#6, (1)#6 GROUND	TRENCH
45	1	3.0"	242	(3)#6, (1)#6 GROUND	TRENCH
47	1	3.0"	158	(4)#6, (1)#6 GROUND	TRENCH
48	1	3.0"	39	(4)#6, (1)#6 GROUND	TRENCH
49	1	3.0"	11	(2)#6, (1)#6 GROUND	TRENCH
51	1	3.0"	69	(4)#6, (1)#6 GROUND	TRENCH
53	1	3.0"	3	(2)#2, (1)#2 GROUND	TRENCH
54	1	3.0"	240*	(4)#2, (2)#4, (1)#2 GROUND	TRENCH
122	1	3.0"	5	(2)#2, (1)#2 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
 ** RIGID GALVANIZED STEEL CONDUIT
 NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

PANELBOARD SE									
AIC RATING - MINIMUM 22KA			600 AMP BUS			200 AMP MAIN			
SOLID NEUTRAL			480/277 VOLTS			3 PHASE, 4 WIRE + GROUND			
ENCLOSURE: BASE MOUNTED CABINET			SURFACE MOUNTED			PANEL LOCATION: SEE PLANS			
LOAD SERVED	CIRCUIT BREAKER			CKT. NO.	CKT. NO.	CIRCUIT BREAKER			LOAD SERVED
	FRAME	TRIP	POLE			FRAME	TRIP	POLE	
4-250W HPS	100	10	I	1	2	100	10	I	3-250W HPS, I-400W HPS
4-250W HPS	100	10	I	3	4	100	10	I	4-250W HPS
3-250W HPS	100	10	I	5	6	100	10	I	4-250W HPS
SPARE	100	10	I	7	8	100	10	I	4-250W HPS, I-400W HPS
SPARE	100	10	I	9	10	100	10	I	4-250W HPS, I-400W HPS
SPARE	100	10	I	11	12	100	10	I	4-250W HPS
PHOTOELECTRIC CONTROL	100	10	I	13	14	100	10	I	FAN, GFCI

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ADDENDUMS / REVISIONS

NOT TO SCALE

US 301 &
SR 1 INTERCHANGE

CONTRACT
T200911302
COUNTY
NEW CASTLE

BRIDGE NO.
DESIGNED BY: J.D.C.
CHECKED BY: J.M.M.

LIGHTING PLAN

LI-12
SHEET NO. 444
TOTAL SHTS. 491

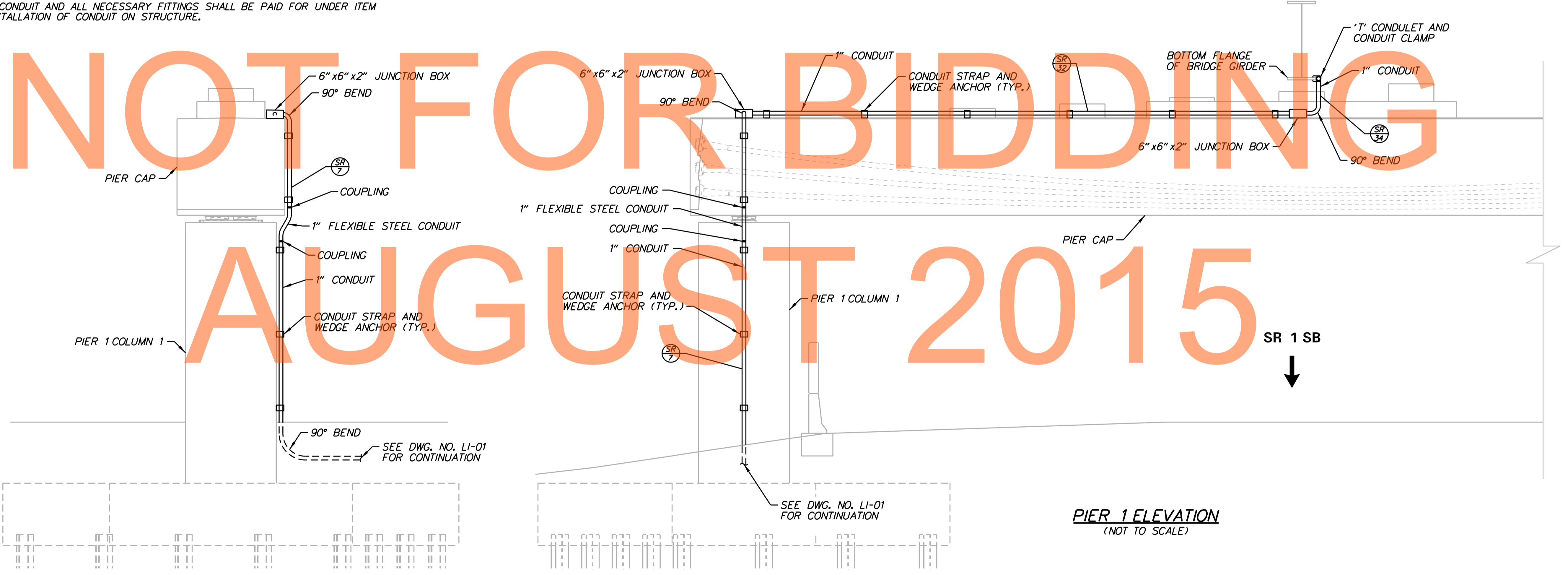
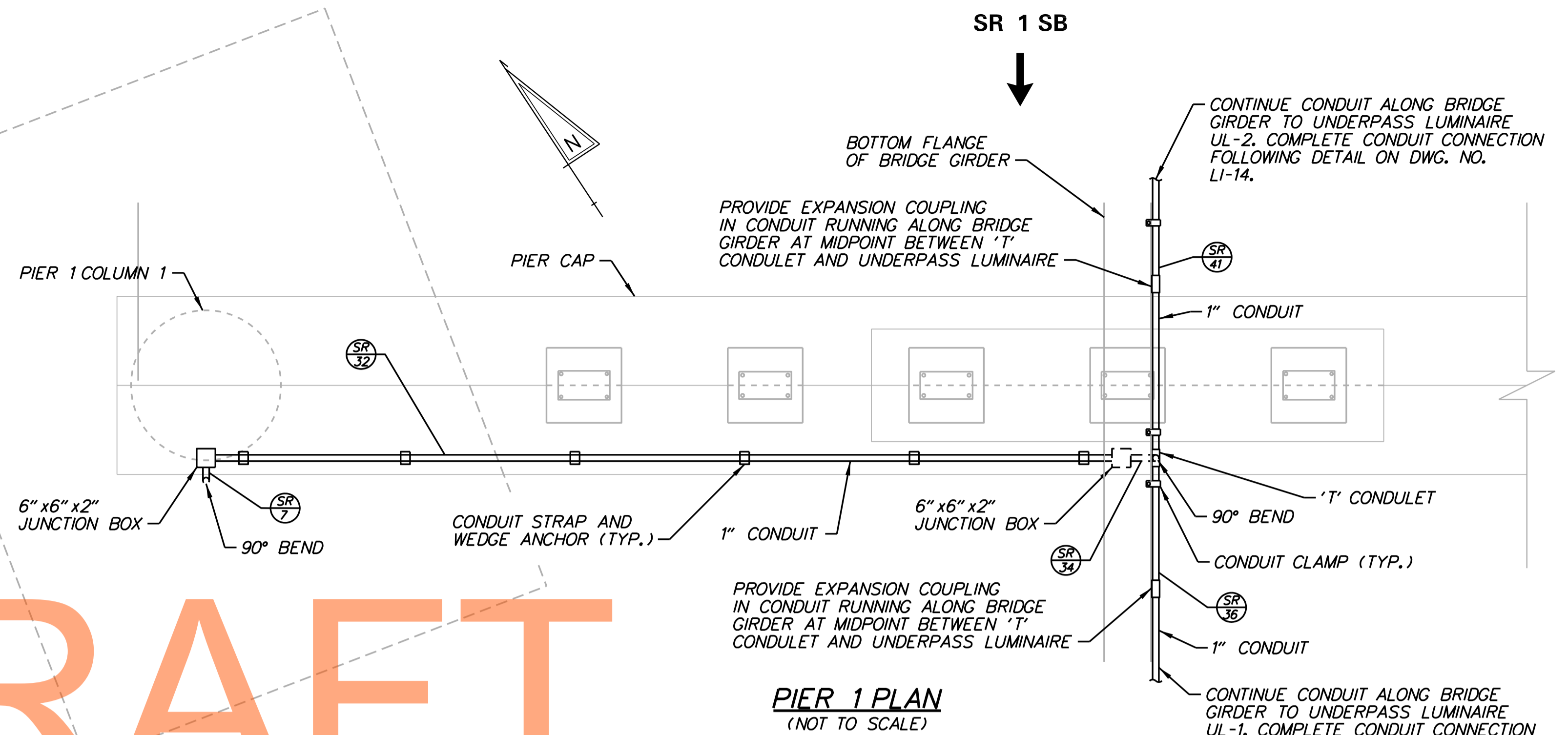
LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
7	1	1.0"	60*	(3)#10, (1)#10 GROUND	TRENCH/STRUCTURE
32	1	1.0"	50	(3)#10, (1)#10 GROUND	STRUCTURE
34	1	1.0"	3	(3)#10, (1)#10 GROUND	STRUCTURE
36	1	1.0"	40	(2)#10, (1)#10 GROUND	STRUCTURE
41	1	1.0"	50	(2)#10, (1)#10 GROUND	STRUCTURE

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

NOTES:

- REFER TO BRIDGE NO. 1-433 PLANS FOR STRUCTURE AND LUMINAIRE SUPPORT DETAILS.
- ALL CONDUIT STRAPS AND JUNCTION BOXES SHALL BE ATTACHED TO THE CONCRETE STRUCTURE USING 1/4" STAINLESS STEEL WEDGE ANCHORS WITH A MINIMUM EMBEDMENT OF 2".
- CONDUITS MOUNTED TO BRIDGE STRUCTURE SHALL BE 1" DIAMETER RIGID GALVANIZED STEEL, SCHEDULE 40, UNLESS OTHERWISE NOTED.
- CONDUIT CLAMPS SHALL BE STAINLESS STEEL AND ATTACH TO THE BRIDGE GIRDER USING NON-DESTRUCTIVE METHODS. DRILLING INTO THE BRIDGE GIRDER WILL NOT BE PERMITTED.
- ALL CONDUITS MOUNTED TO THE BRIDGE STRUCTURE SHALL BE SUPPORTED BY CONDUIT STRAPS OR CLAMPS SPACED AT A MAXIMUM DISTANCE OF 10'-0" BETWEEN SUPPORTS. CONDUITS SHALL ALSO BE SUPPORTED WITHIN 3'-0" OF EACH JUNCTION BOX OR CONDULET.
- JUNCTION BOXES SHALL BE 6"x6"x2" STAINLESS STEEL RATED NEMA 4X.
- CONDUIT STRAPS SHALL BE TWO-HOLE AND STAINLESS STEEL.
- UNDERPASS LUMINAIRES SHALL BE DOWNWARD FACING WITH 150 WATT HIGH PRESSURE SODIUM LAMPS PRODUCING AN IES TYPE 4 LATERAL DISTRIBUTION. CONTRACTOR SHALL VERIFY LUMINAIRE SIZE AND COMPATIBILITY WITH LUMINAIRE SUPPORT PLATE PRIOR TO PURCHASING LUMINAIRE OR FABRICATION OF LUMINAIRE SUPPORT PLATE.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PROPOSED UNDERPASS LIGHTING SYSTEM COMPONENTS INCLUDING CONDUIT, CONDUIT STRAPS AND CLAMPS, JUNCTION BOXES, BENDS, CONDULETS, EXPANSION COUPLINGS AND UNDERPASS LUMINAIRES TO THE ENGINEER FOR APPROVAL. SHOP DRAWING PREPARATION SHALL BE INCIDENTAL TO THE PERTINENT CONDUIT INSTALLATION ITEMS.
- ALL CONDUIT STRAPS, CLAMPS, WEDGE ANCHORS AND CONDULETS WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO ITEM 745546 - INSTALLATION OF CONDUIT ON STRUCTURE.
- INSTALLATION OF CONDUIT AND ALL NECESSARY FITTINGS SHALL BE PAID FOR UNDER ITEM NO. 745546 - INSTALLATION OF CONDUIT ON STRUCTURE.



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AUGUST 2015

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ADDENDUMS / REVISIONS

NOT TO SCALE

US 301 & SR 1 INTERCHANGE

CONTRACT	BRIDGE NO.	BR1-433
T200911302	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

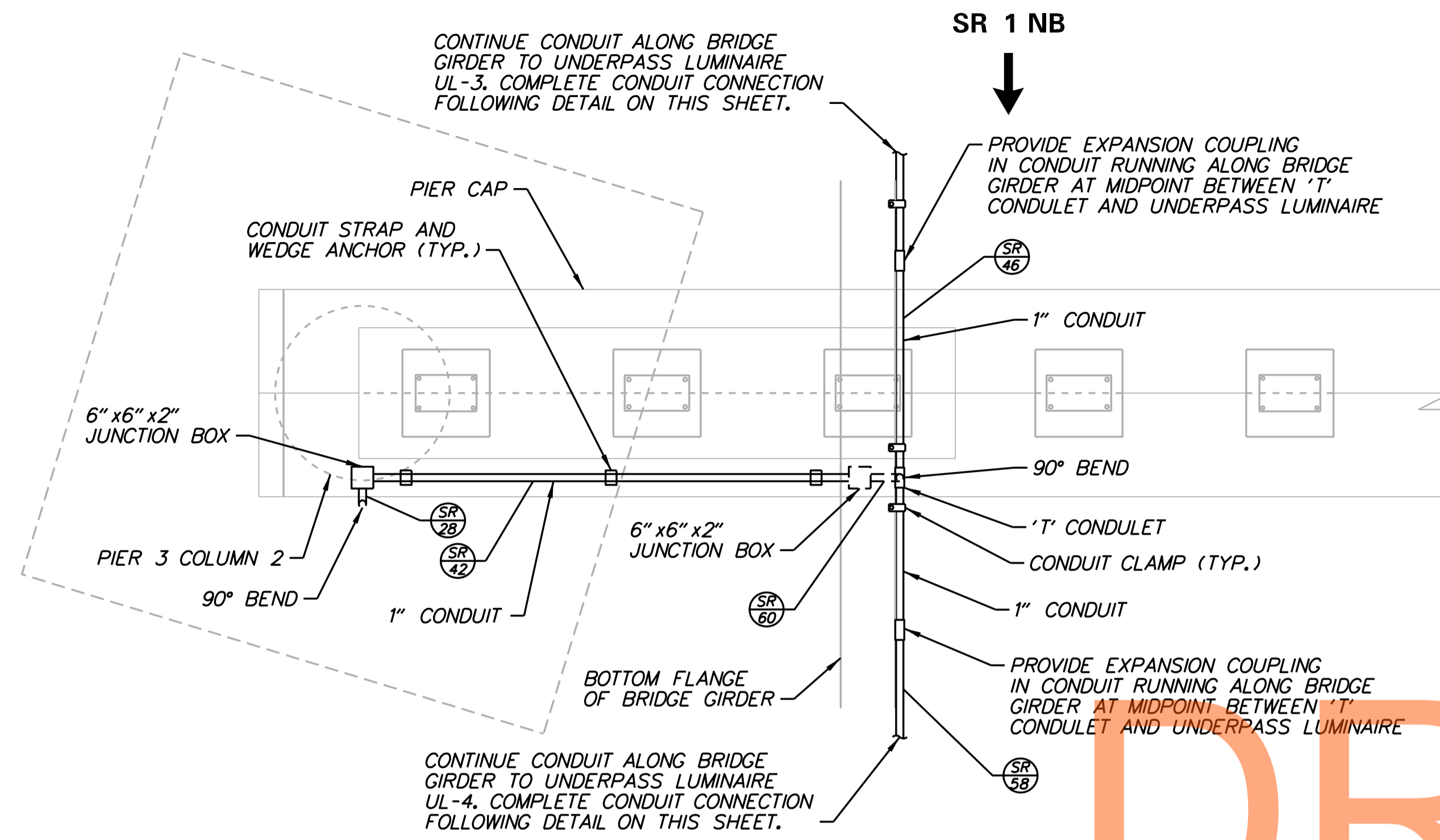
LIGHTING DETAILS

LI-13
SHEET NO.
445
TOTAL SHTS.
491

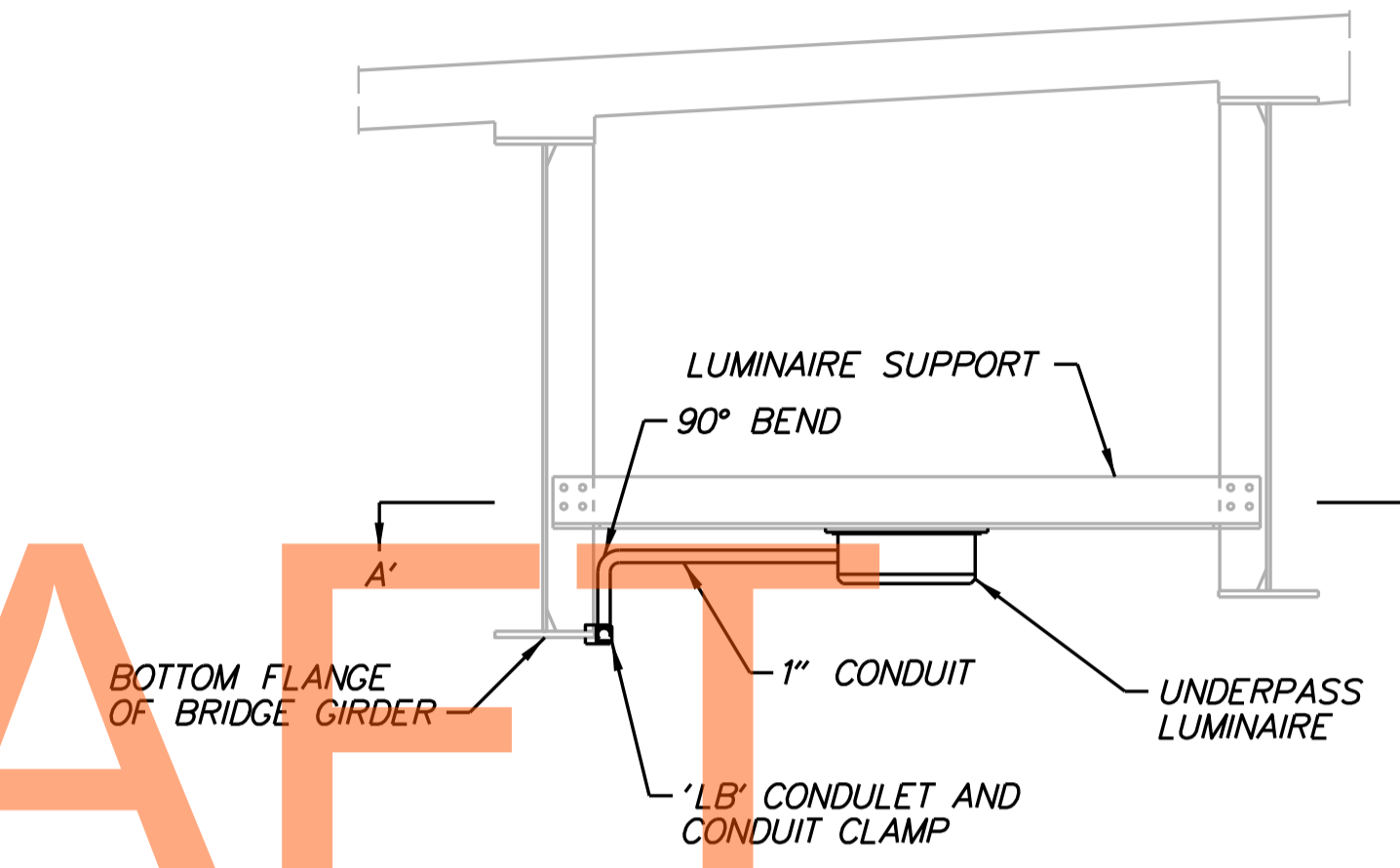
LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
28	1	1.0"	75*	(3)#10, (1)#10 GROUND	TRENCH/STRUCTURE
42	1	1.0"	25	(3)#10, (1)#10 GROUND	STRUCTURE
46	1	1.0"	60	(2)#10, (1)#10 GROUND	STRUCTURE
58	1	1.0"	30	(2)#10, (1)#10 GROUND	STRUCTURE
60	1	1.0"	3	(3)#10, (1)#10 GROUND	STRUCTURE

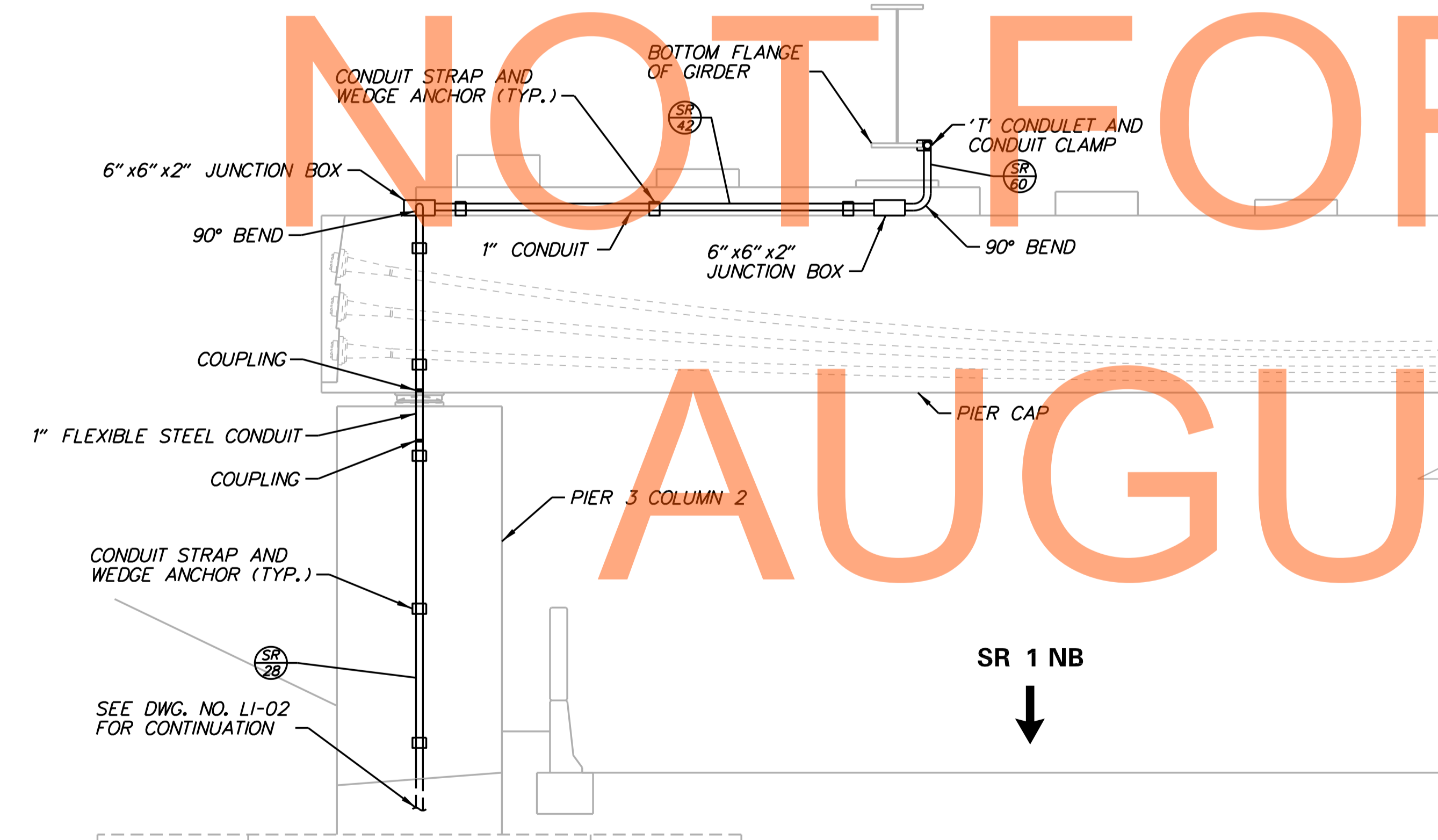
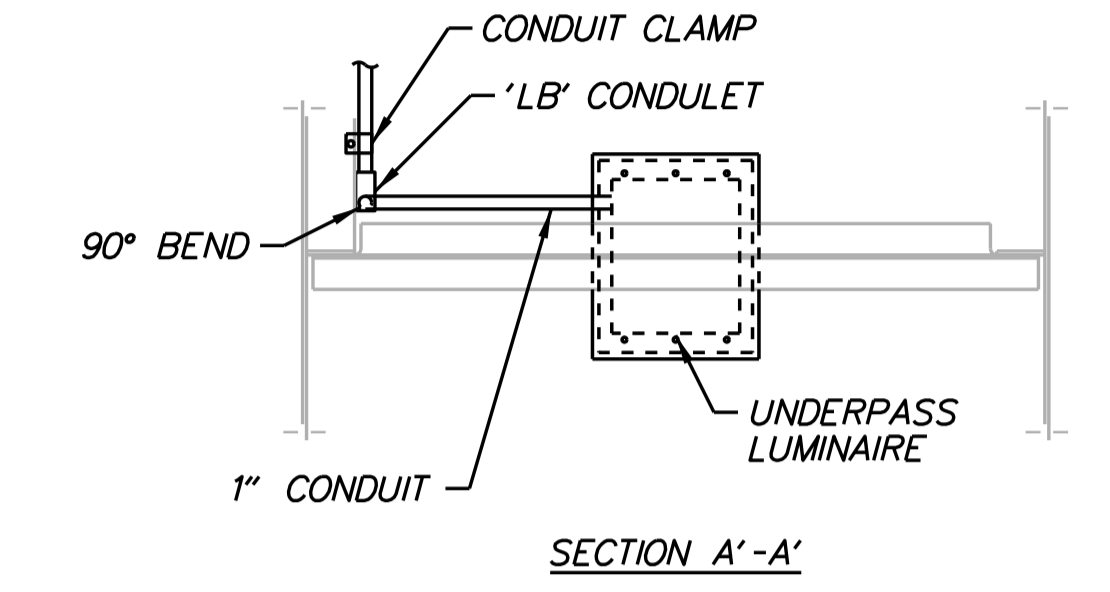
* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



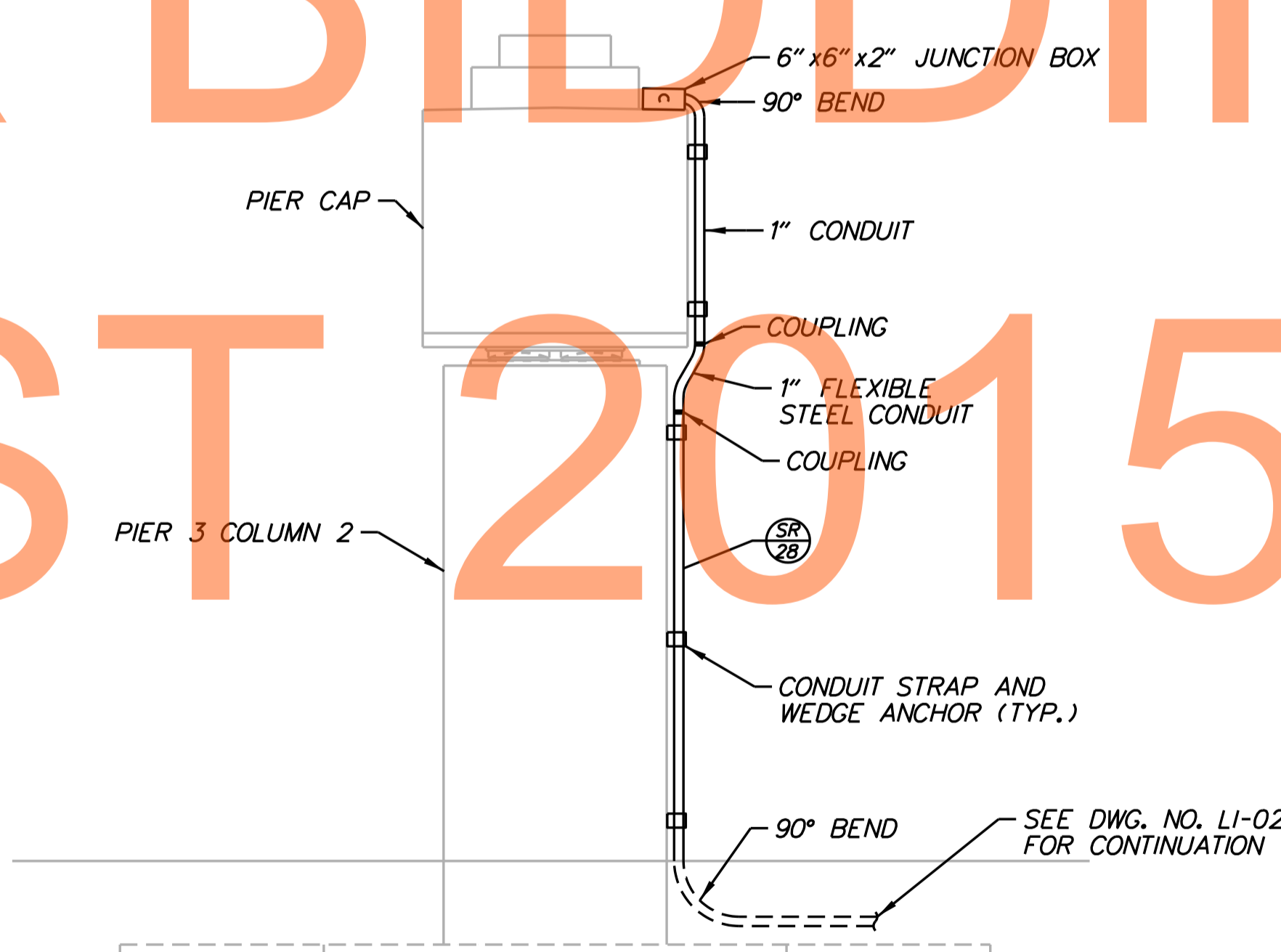
PIER 3 PLAN
(NOT TO SCALE)



UNDERPASS LUMINAIRE CONDUIT CONNECTION DETAIL
(NOT TO SCALE)
(TYPICAL AT UNDERPASS LUMINAIRES UL-1, 2, 3 & 4)



PIER 3 ELEVATION
(NOT TO SCALE)



PIER 3 COLUMN 2 SIDE VIEW
(NOT TO SCALE)

- NOTES:**
- REFER TO BRIDGE NO. 1-433 PLANS FOR STRUCTURE AND LUMINAIRE SUPPORT DETAILS.
 - REFER TO DWG. NO. LI-13 FOR DETAILS AND REQUIREMENTS OF ALL UNDERPASS LIGHTING SYSTEM COMPONENTS.

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ADDENDUMS / REVISIONS

NOT TO SCALE

US 301 & SR 1 INTERCHANGE

CONTRACT	BRIDGE NO.	BR1-433
T200911302	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

LIGHTING DETAILS

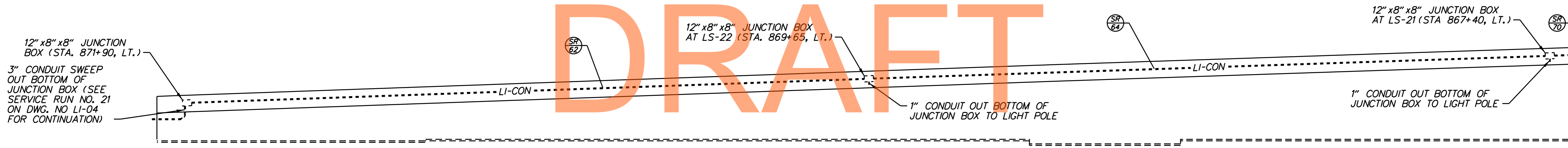
LI-14
SHEET NO.
446
TOTAL SHTS.
491

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
62	1	3.0"	223	(4)*6, (1)*6 GROUND	-
64	1	3.0"	223	(4)*6, (1)*6 GROUND	-
70	1	3.0"	196	(4)*6, (1)*6 GROUND	-
72	1	3.0"	210	(4)*6, (1)*6 GROUND	-

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
 NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

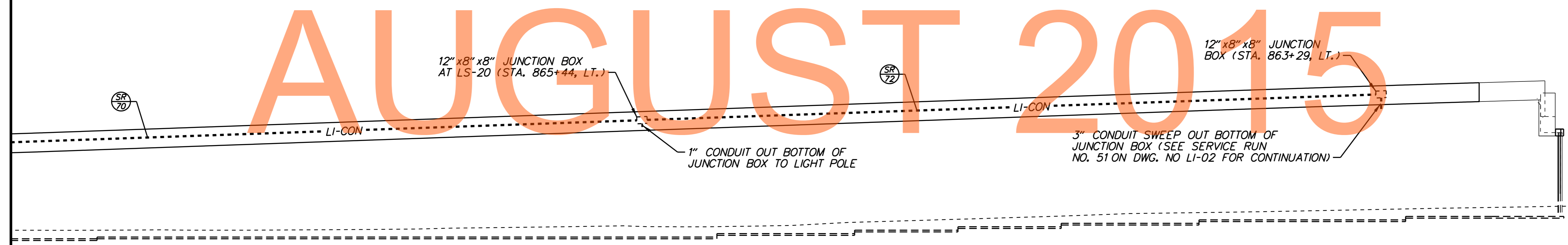
NOTES:

- REFER TO RW1-3 PLANS FOR DETAILS AND PAYMENT OF CONDUIT AND JUNCTION BOX INSTALLATION WITHIN RETAINING WALL.
- ALL CONDUITS WITHIN RETAINING WALL SHALL BE RIGID POLYVINYL CHLORIDE, SCHEDULE 80.
- ALL JUNCTION BOXES SHALL BE STAINLESS STEEL RATED NEMA 4X. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE PROPOSED JUNCTION BOXES TO THE ENGINEER FOR APPROVAL.
- LIGHTING STANDARD MOUNTING ON RETAINING WALL NOT SHOWN FOR CLARITY. REFER TO RW1-3 PLANS FOR DETAILS.
- ALL JUNCTION BOXES SHALL BE MOUNTED TO AND ACCESSED FROM TRAFFIC SIDE OF RETAINING WALL PARAPET.



RW1-3 ELEVATION - NORTH SECTION

NOT FOR BIDDING



RW1-3 ELEVATION - SOUTH SECTION

MATCH LINE - SEE THIS SHEET

MATCH LINE - SEE THIS SHEET

ADDENDUMS / REVISIONS

NOT TO SCALE

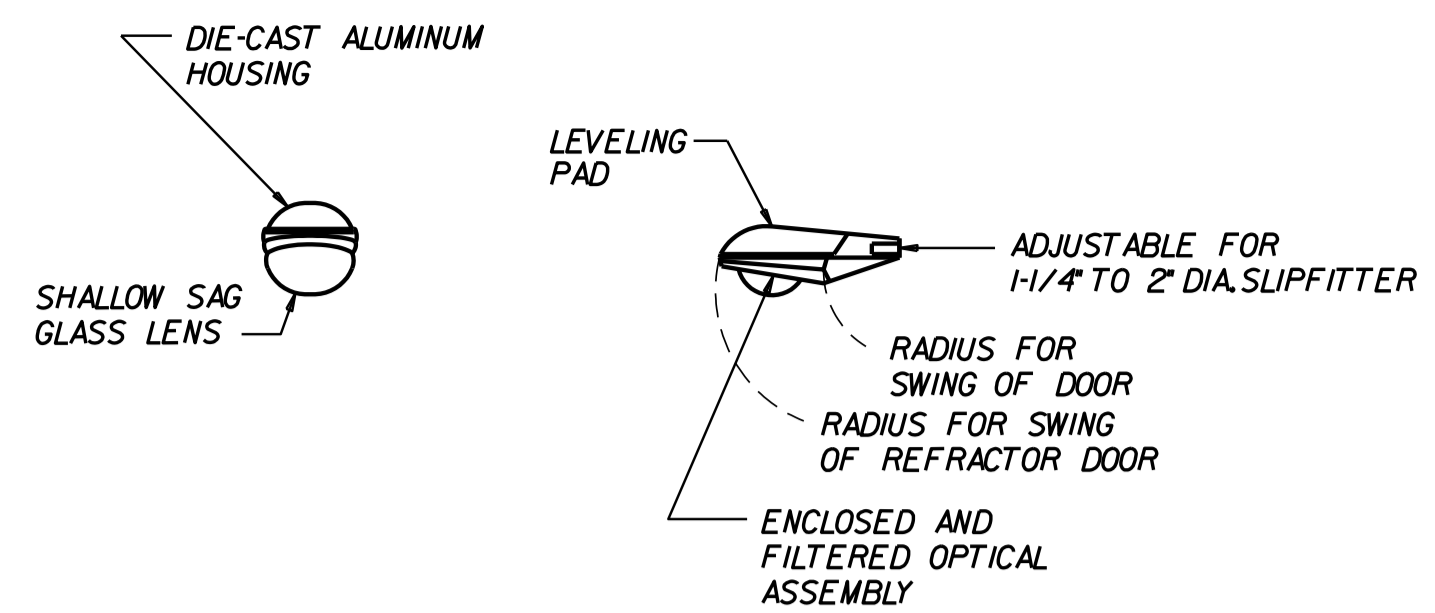
US 301 &
SR 1 INTERCHANGE

CONTRACT	BRIDGE NO.	RW1-3
T200911302	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

LIGHTING DETAILS	SHEET NO.
	447
	TOTAL SHTS.
	491

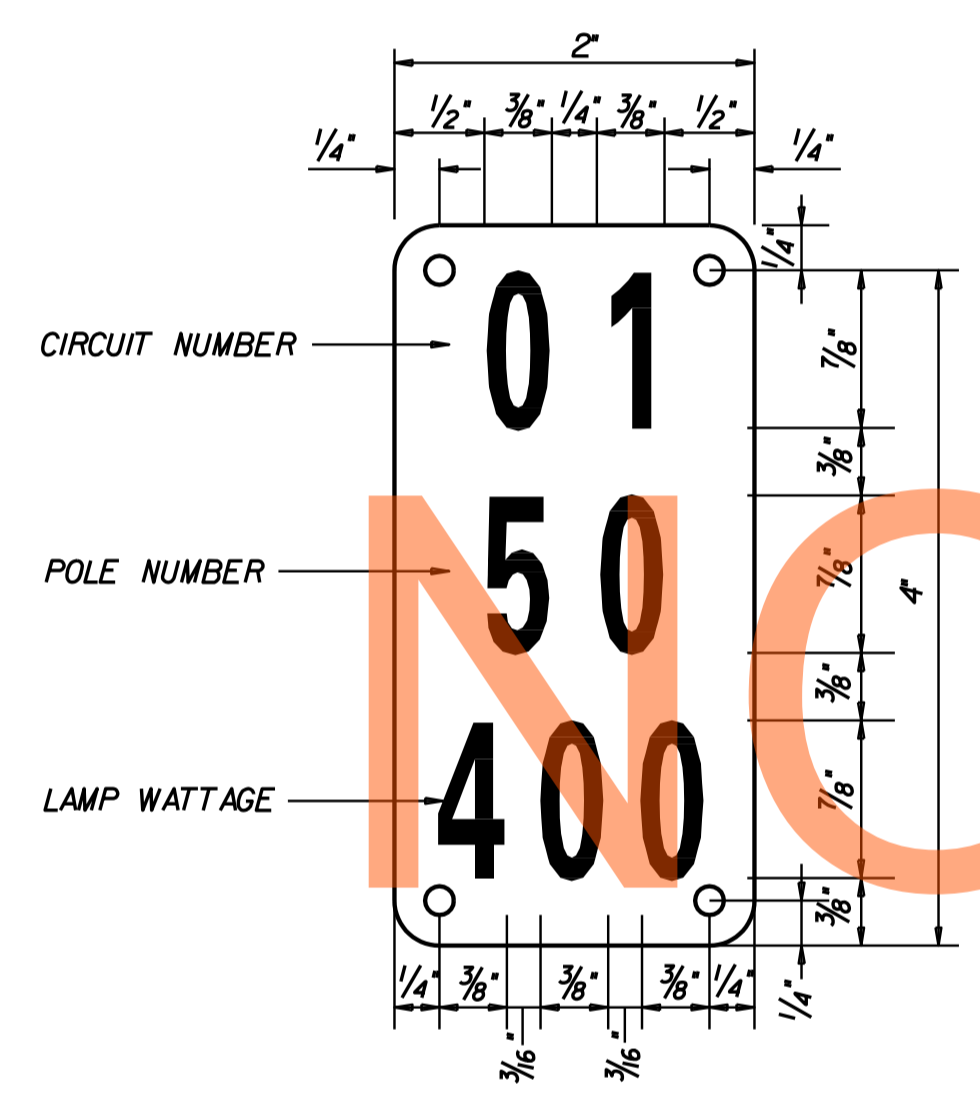
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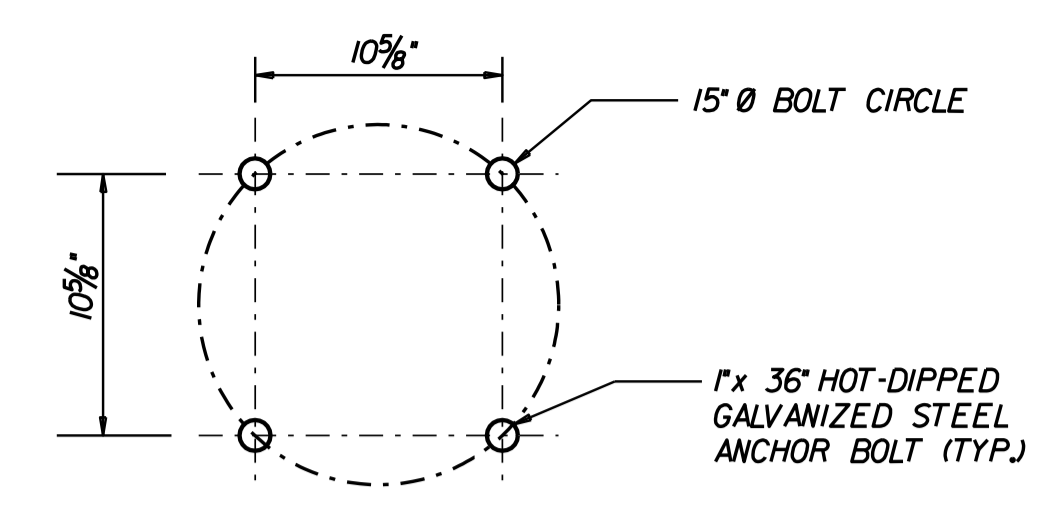


LUMINAIRE FIXTURE
SCALE: NONE

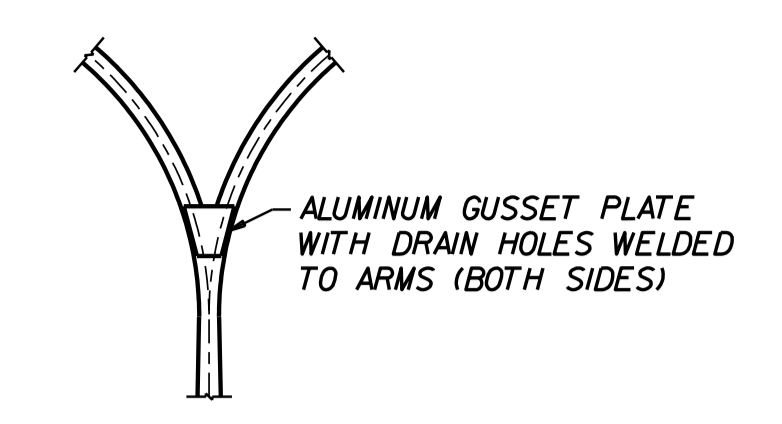
- NOTES:**
1. ALL PROPOSED LIGHTING STANDARD LUMINAIRES SHALL BE HIGH PRESSURE SODIUM COBRAHEAD STYLE FIXTURES WITH A MEDIUM VERTICAL LIGHT DISTRIBUTION AND CUT-OFF OPTICS MOUNTED WITH A ZERO DEGREE TILT ANGLE.
 2. PHOTOCONTROL SHALL BE AT THE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE.
 3. SEE LIGHTING STANDARD SCHEDULE ON PLANS FOR HORIZONTAL LIGHT DISTRIBUTION (TYPE III OR TYPE IV) AND WATTAGE (250 WATT OR 400 WATT).
 4. INSTALL GLARE SHIELDS AS INDICATED ON LIGHTING STANDARD SCHEDULE ON PLANS. GLARE SHIELDS WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO THE RESPECTIVE ALUMINUM LIGHTING STANDARD ITEM.



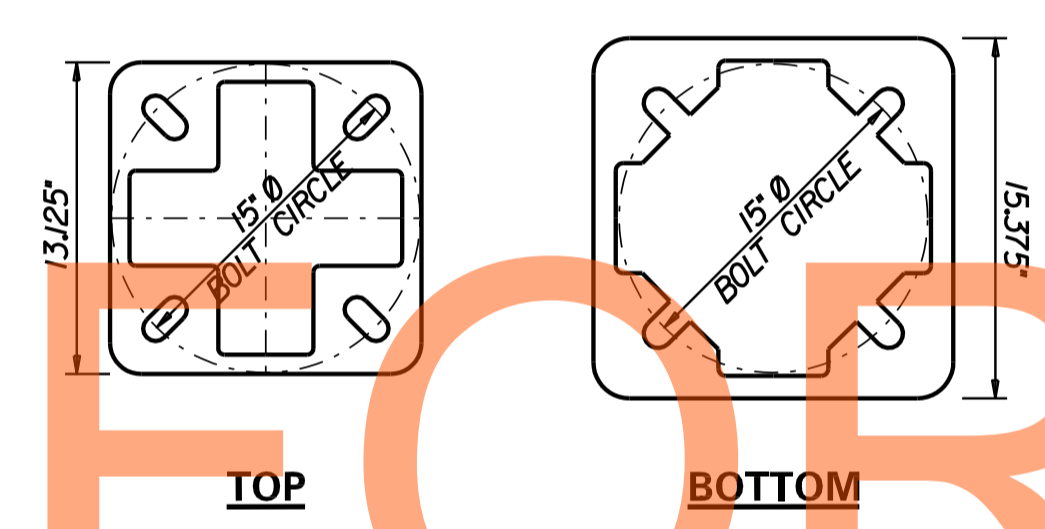
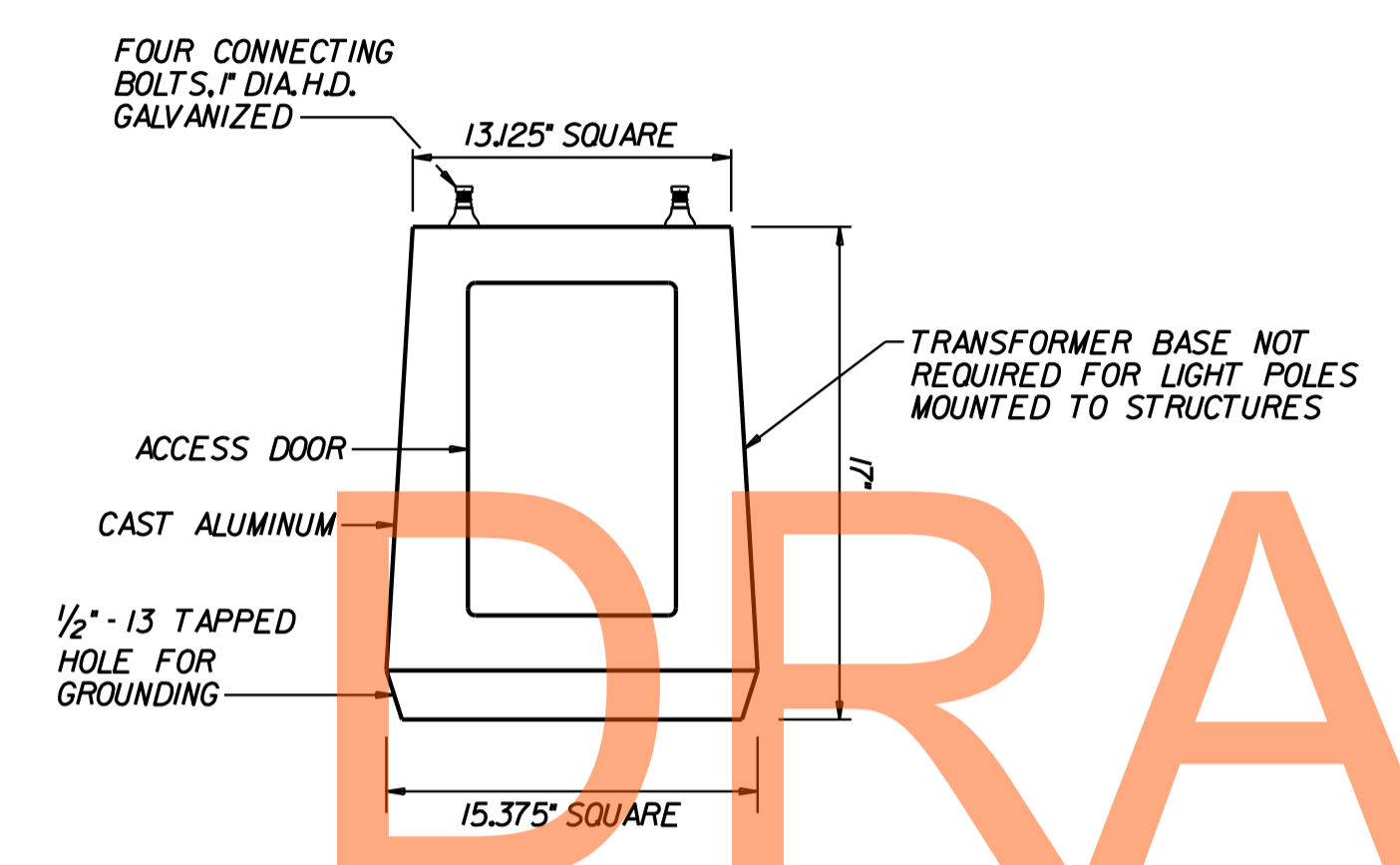
TYPICAL POLE IDENTIFICATION TAG
SCALE: NONE



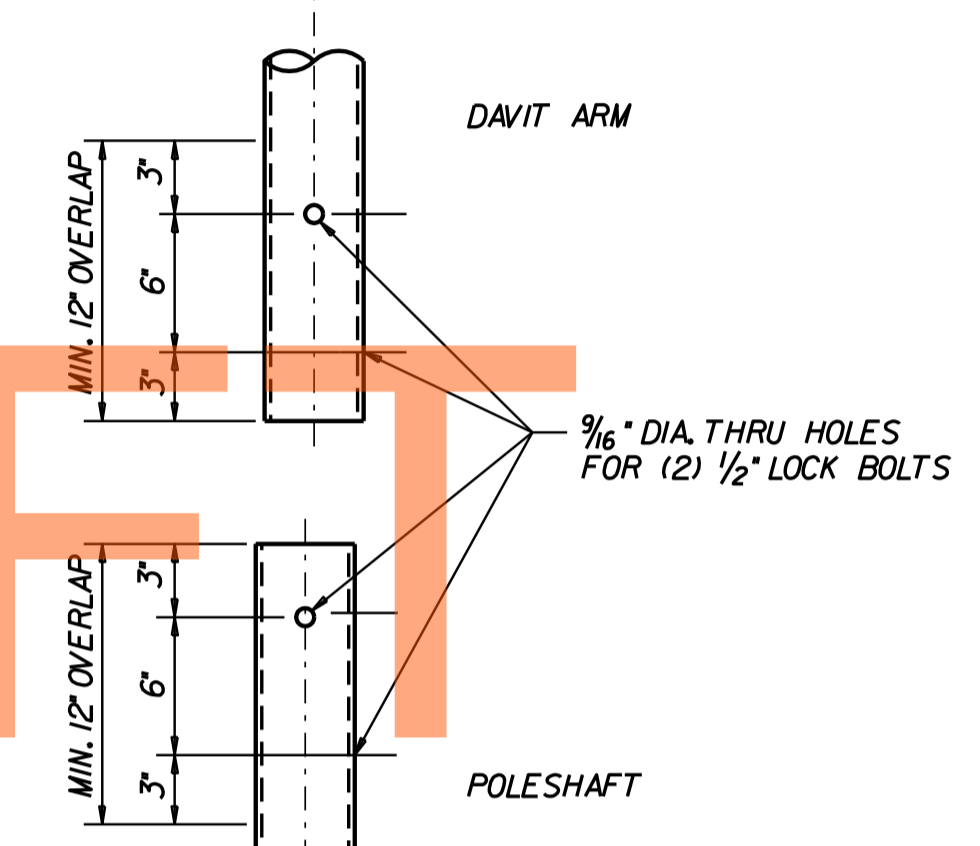
FOUNDATION ANCHOR BOLT CIRCLE DETAIL
SCALE: NONE



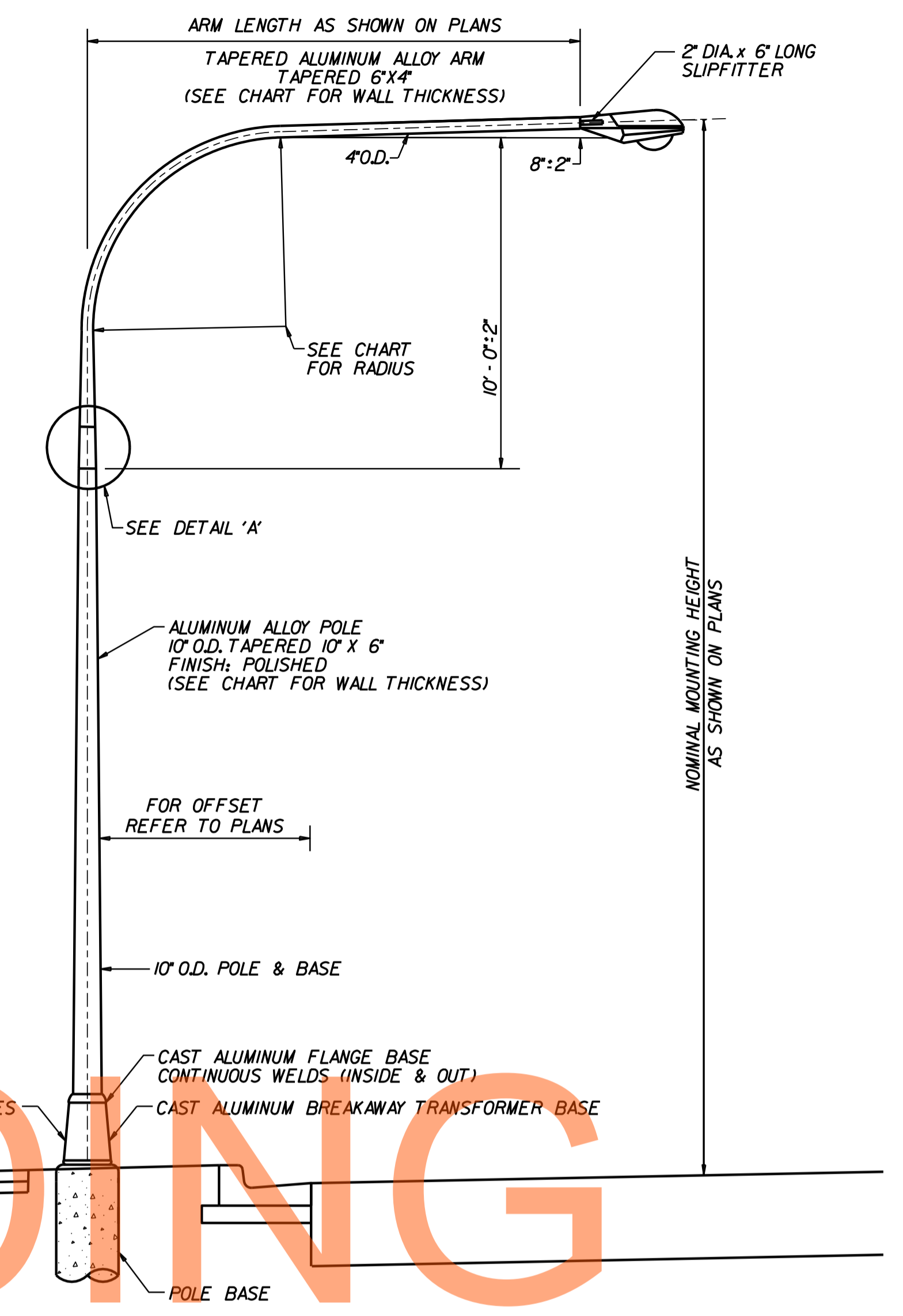
DOUBLE DAVIT ARM DETAIL
SCALE: NONE



TRANSFORMER BASE DETAIL
SCALE: NONE

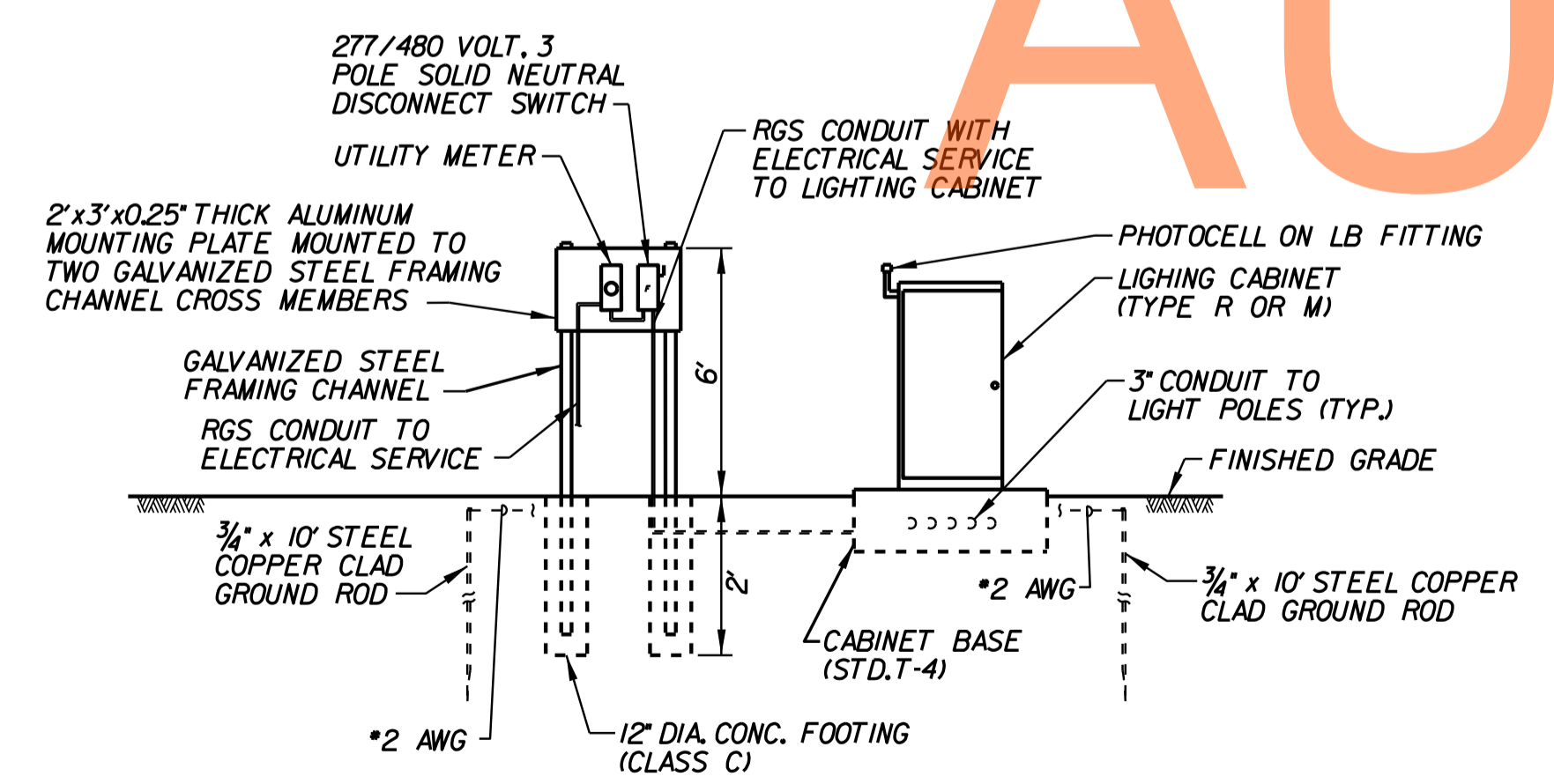


DETAIL 'A'
SCALE: NONE

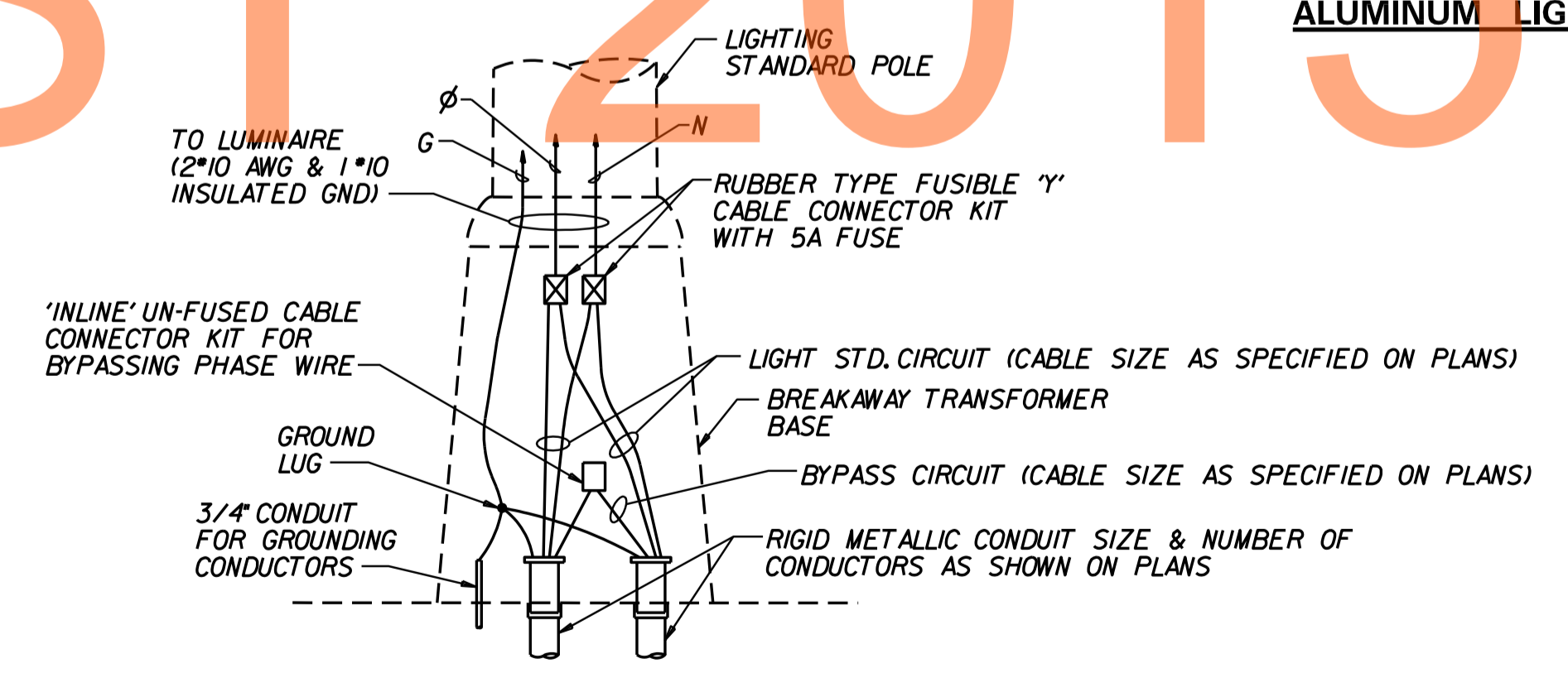


MOUNTING HEIGHT	ARM LENGTH	BEND RADIUS	WALL THICKNESS
40'	5'	3'-9"	0.188"
40'	10'	5'-6"	0.188"
40'	15'	5'-6"	0.188"
40'	20'	7'-0"	0.219"
45'	20'	7'-0"	0.250"

ALUMINUM LIGHTING STANDARD WITH SINGLE DAVIT ARM
SCALE: NONE



ELECTRICAL SERVICE ON PEDESTAL AND LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE
SCALE: NONE



WIRING IN TRANSFORMER BASE
SCALE: NONE

DRAFT

NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS

NOT TO SCALE

US 301 & SR 1 INTERCHANGE

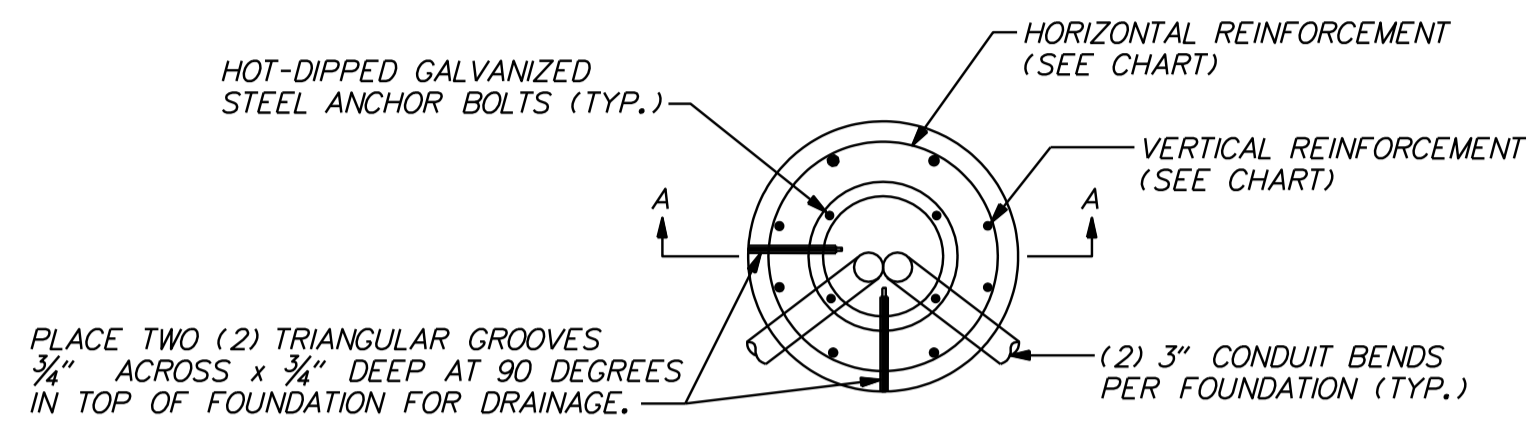
CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

LIGHTING DETAILS

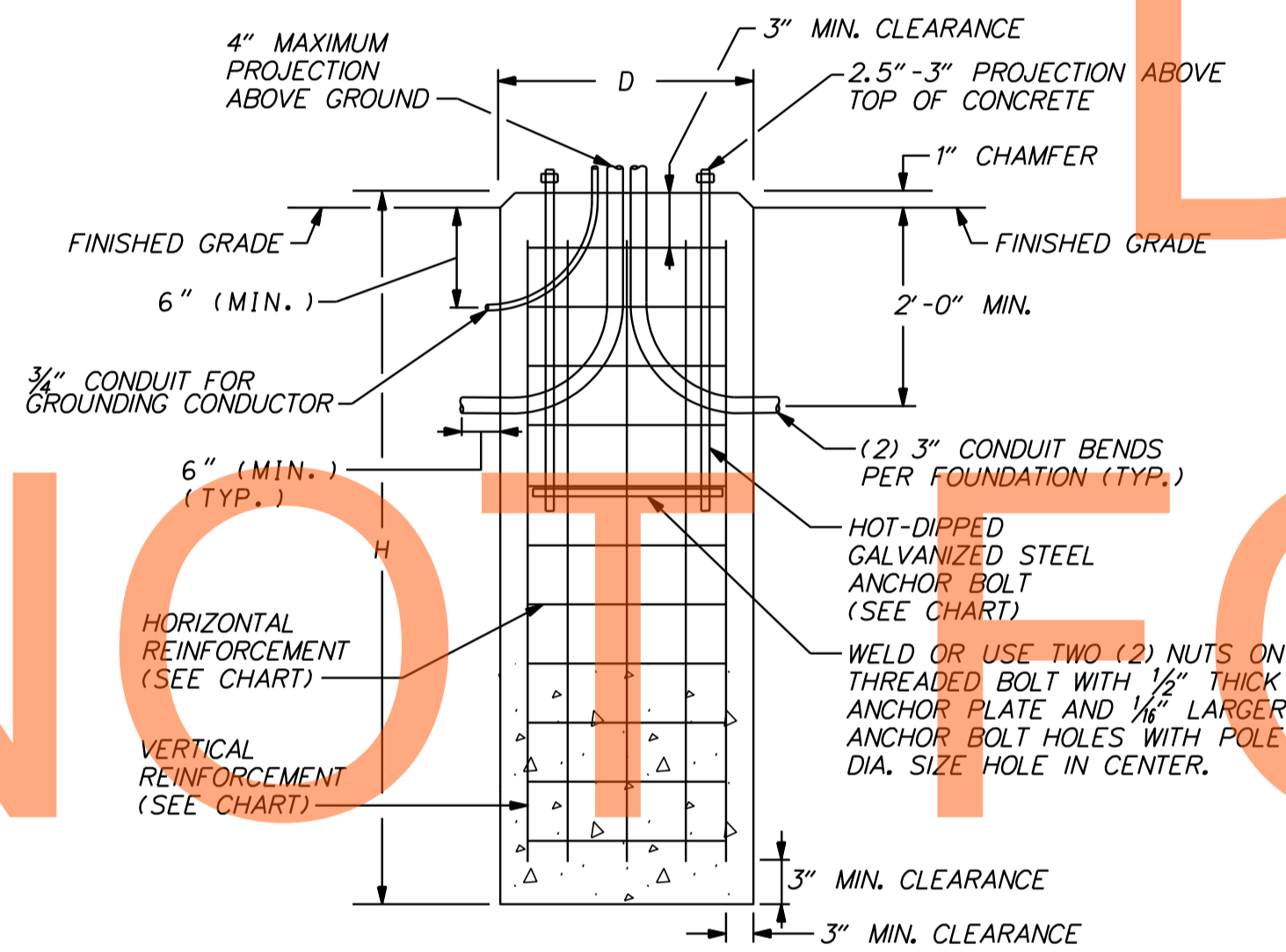
LI-16
SHEET NO. 448
TOTAL SHTS. 491

LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE WIRING DIAGRAM

LIGHTING STANDARD POLE BASE DETAIL



PLAN VIEW

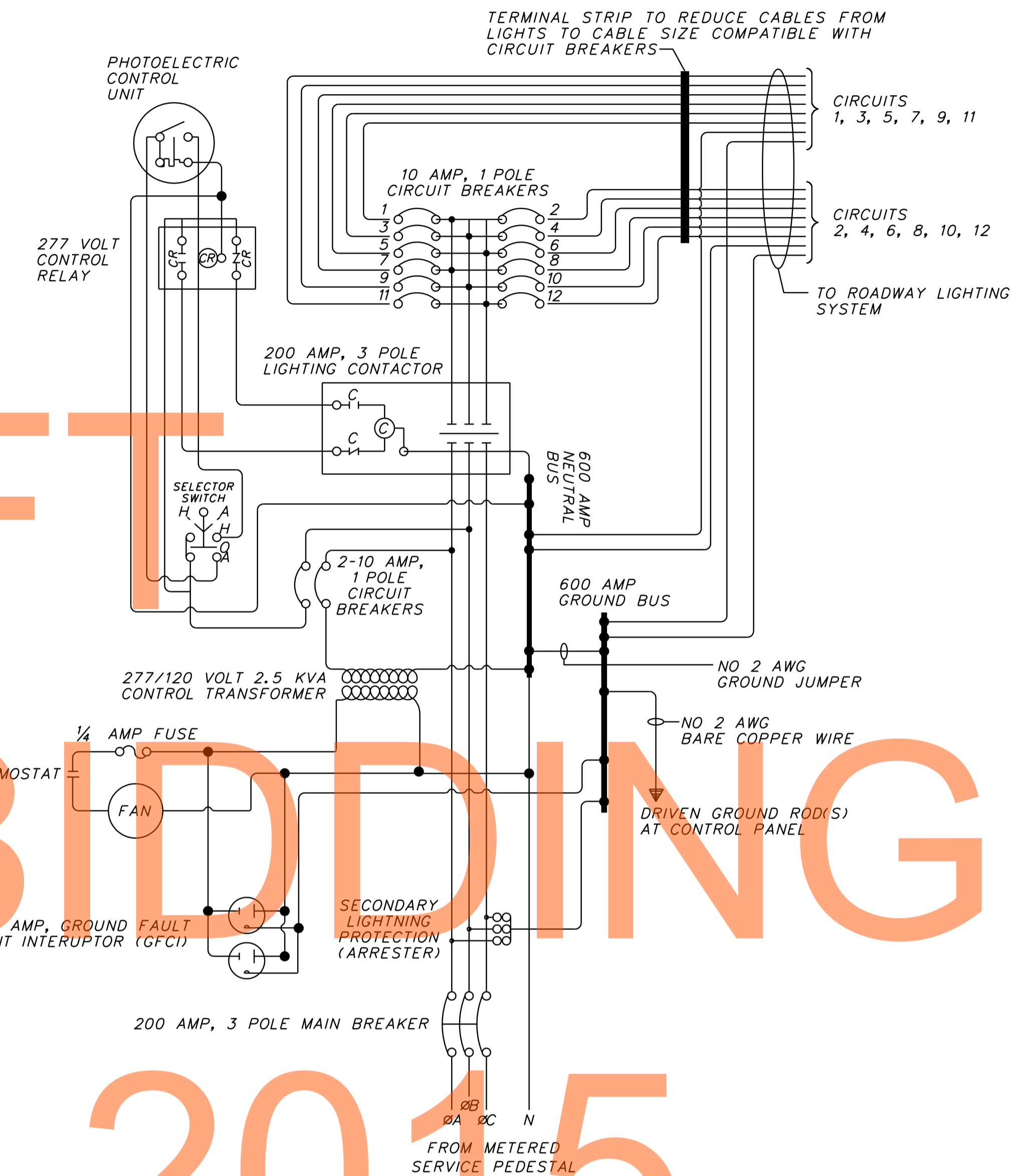


SECTION A-A

NOMINAL MOUNTING HEIGHT	DIAMETER (D)	HEIGHT (H)	ANCHOR BOLT DIMENSIONS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	CONCRETE REQUIRED (C.Y.)
30' OR 40'	2.5'	11.5'	1"x36"	8 NO. 7	NO. 3 TIES AT 1'-0" CENTER TO CENTER	2.1
45'	3'	15'	1 1/2"x42"	10 NO. 7	NO. 3 TIES AT 1'-0" CENTER TO CENTER	4.0

NOTES:

- ANCHOR BOLTS SHALL BE PLUMB. A 1/4" THICK STEEL TEMPLATE SHALL BE USED FOR INSTALLATION OF ANCHOR BOLTS.
- FOUNDATION SHALL NOT BE INSTALLED IN DRAINAGE DITCH.



NOTES:

- ALL WIRING FROM SERVICE FEEDS SHALL BE INSTALLED IN FLEXIBLE CONDUIT WITHIN THE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE.
- NO CONDUCTORS MAY ENTER OR EXIT THROUGH THE REAR OF ANY PANEL.
- THE LIGHTING CONTACTOR SHALL BE IN A PROPERLY SIZED ENCLOSURE.
- A CONTINUOUS GROUNDING CONDUCTOR SHALL BE INSTALLED FROM THE METER SOCKET THROUGH ALL PANELS, THEN TO THE GROUNDING ELECTRODE.
- ALL CONDUCTORS NOT IN CONDUIT SHALL BE BUNDLED OR WRAPPED AND SECURED IN CABINET AWAY FROM SHARP EDGES.
- ALL CABLES SHALL MEET AMPACITY REQUIREMENTS OF THE NATIONAL ELECTRIC CODE. THE MINIMUM CABLE SIZE SHALL BE NO. 12 AWG.
- ACTUAL NUMBER OF BREAKERS AND BREAKER RATINGS SHALL BE AS INDICATED ON PLANS AND RESPECTIVE PANEL SCHEDULES.

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