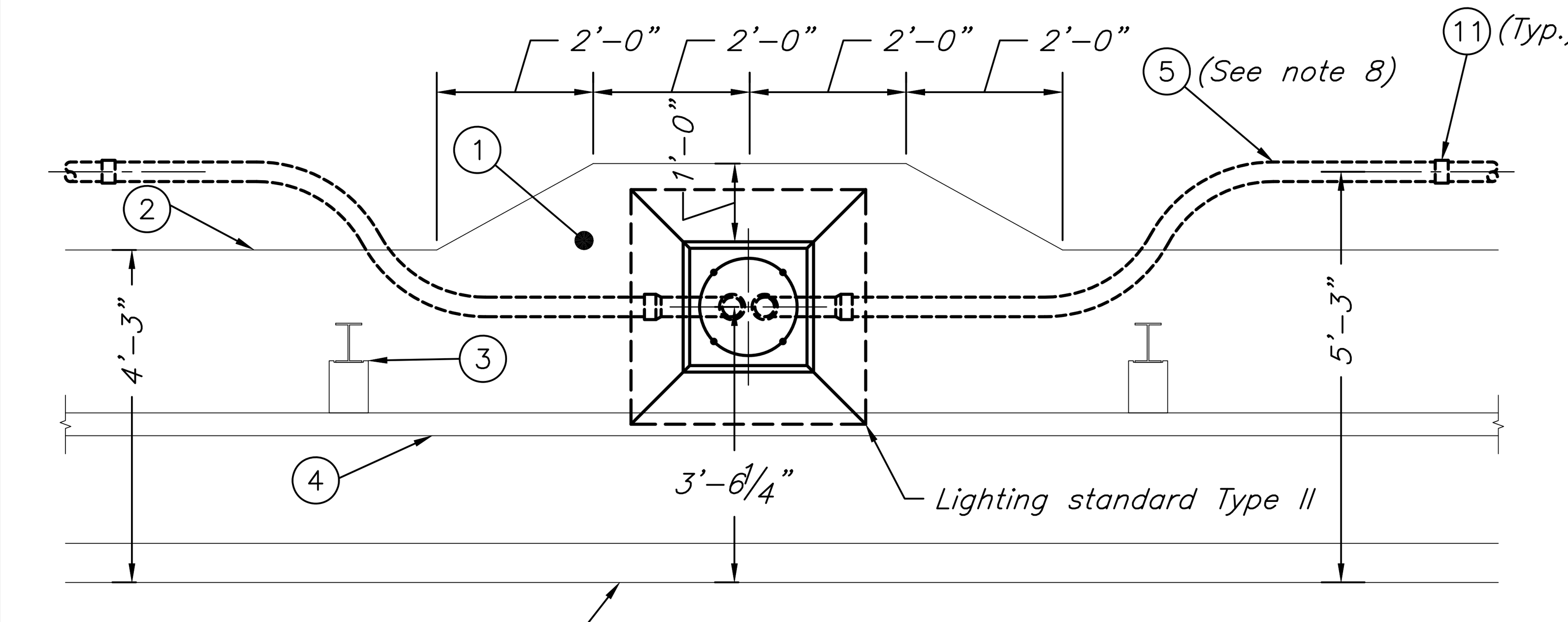
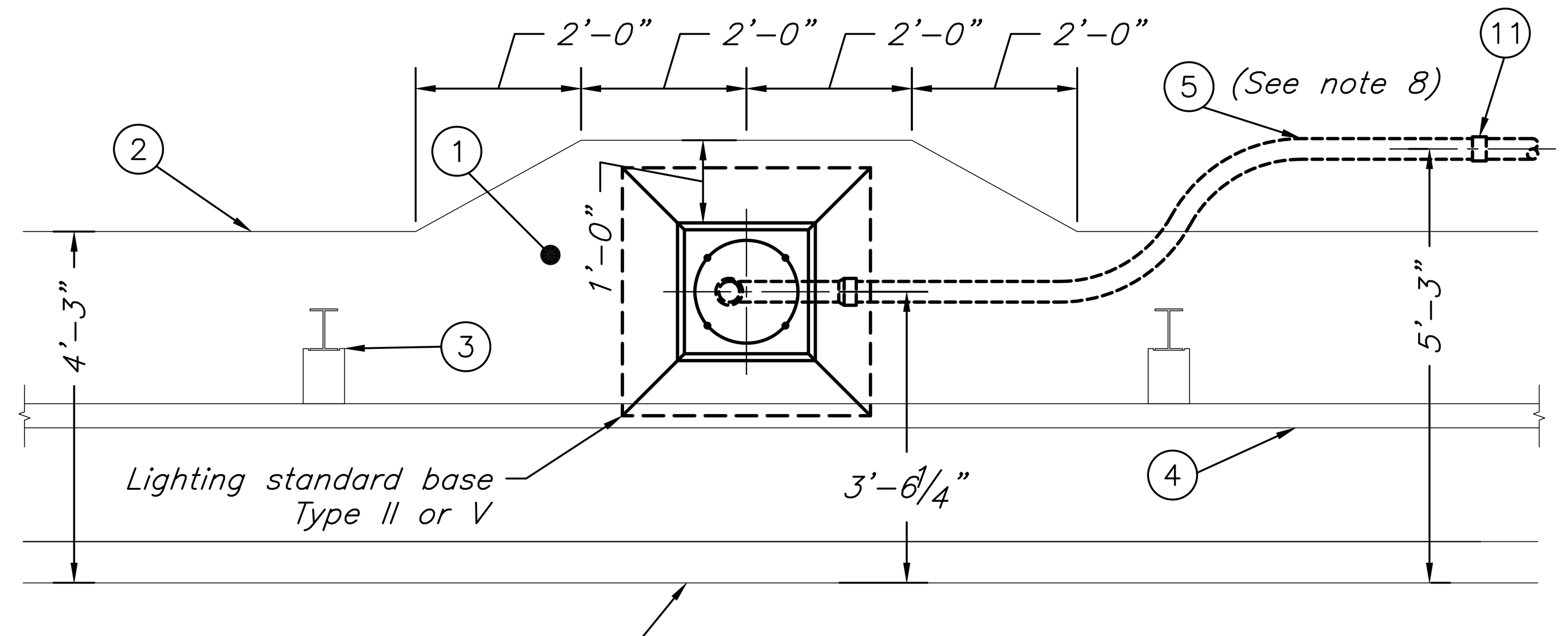
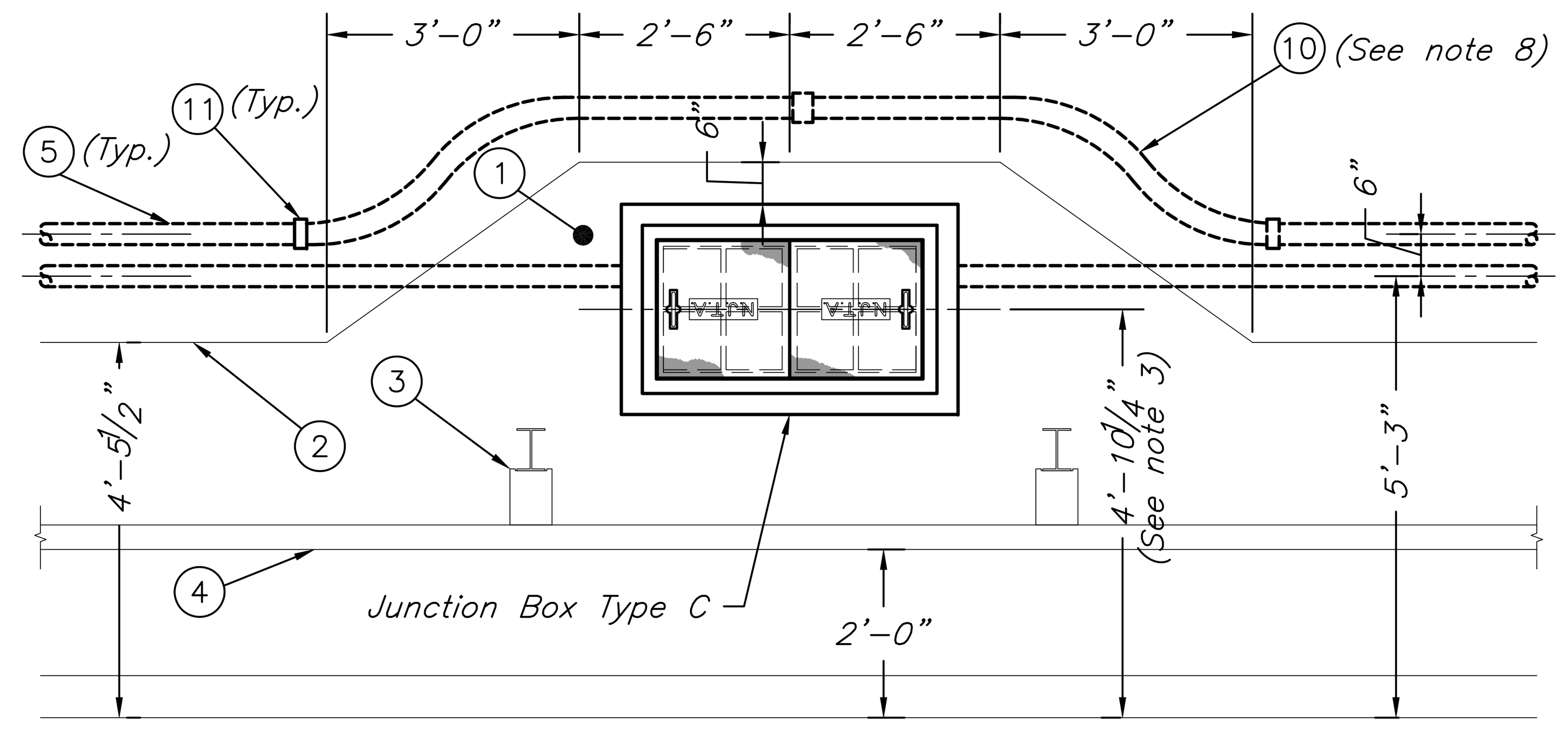


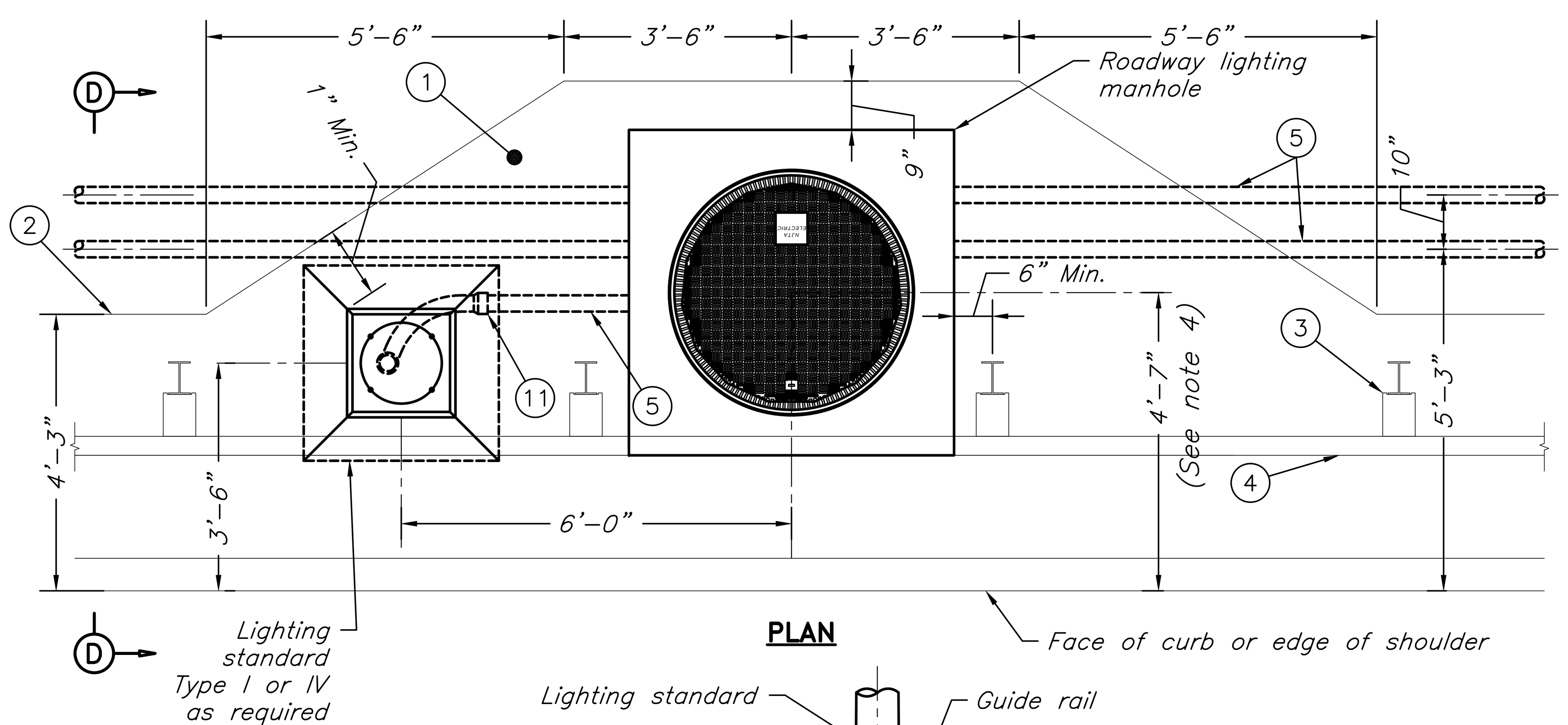
PLAN
(THROUGH CONDUIT INSTALLATION)



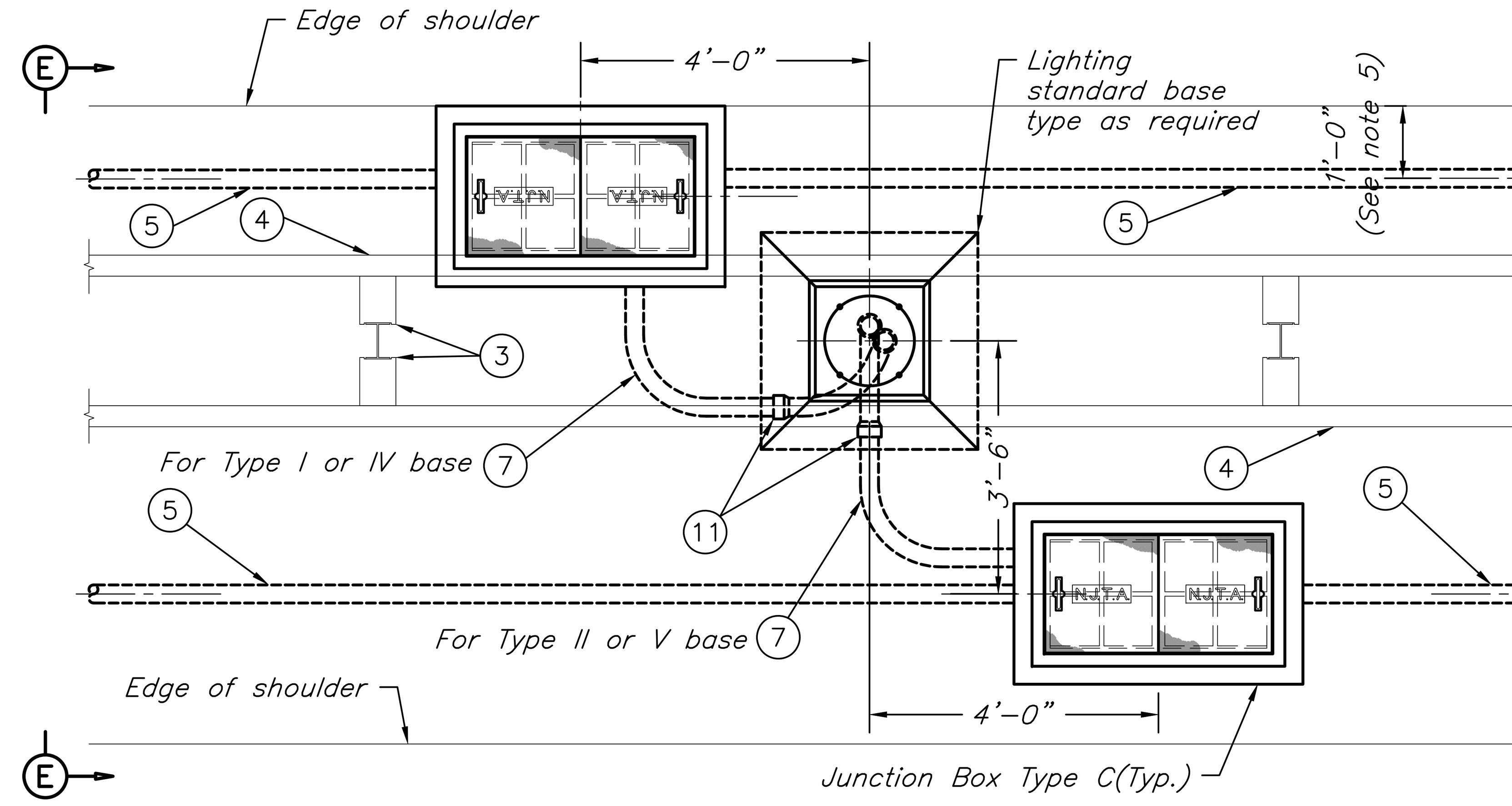
PLAN
(TERMINAL CONDUIT INSTALLATION)



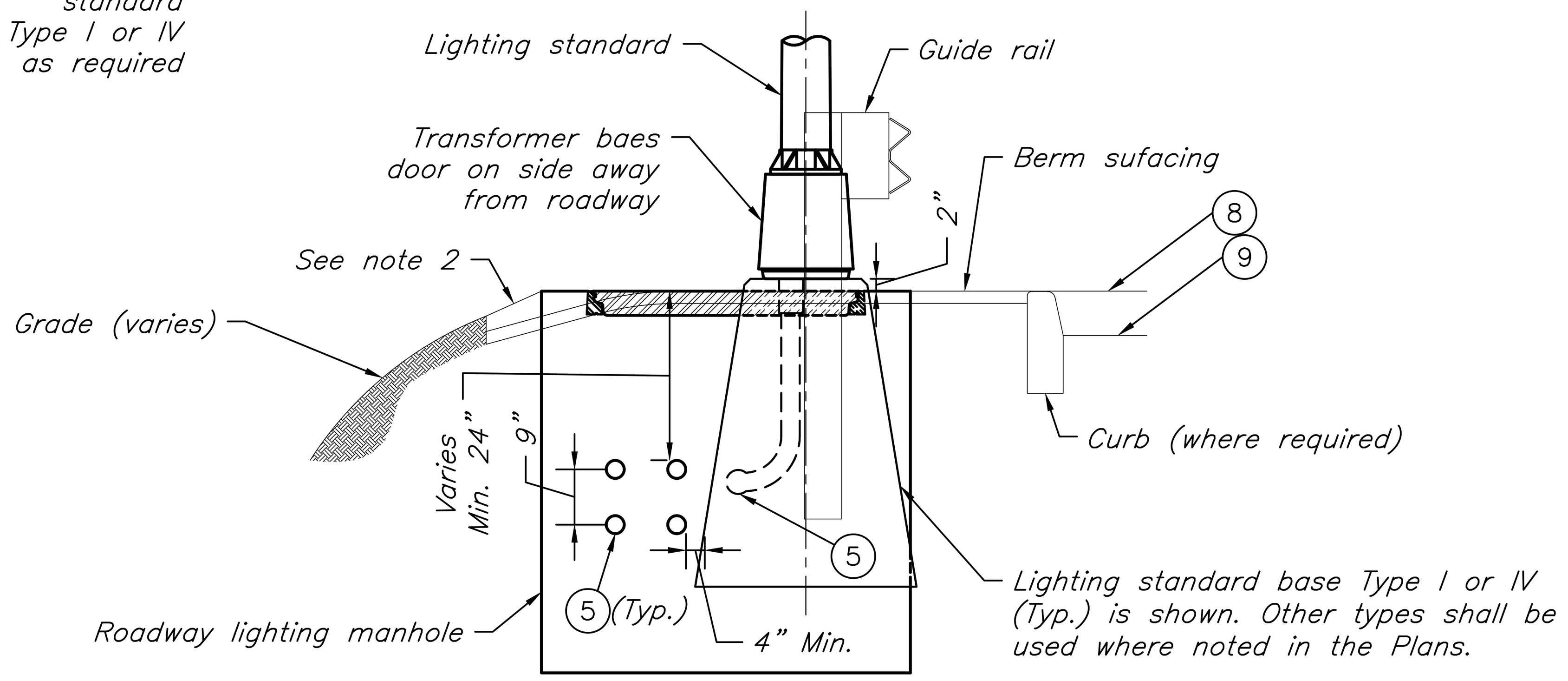
PLAN
(JUNCTION BOX AND THROUGH CONDUIT INSTALLATION)



PLAN

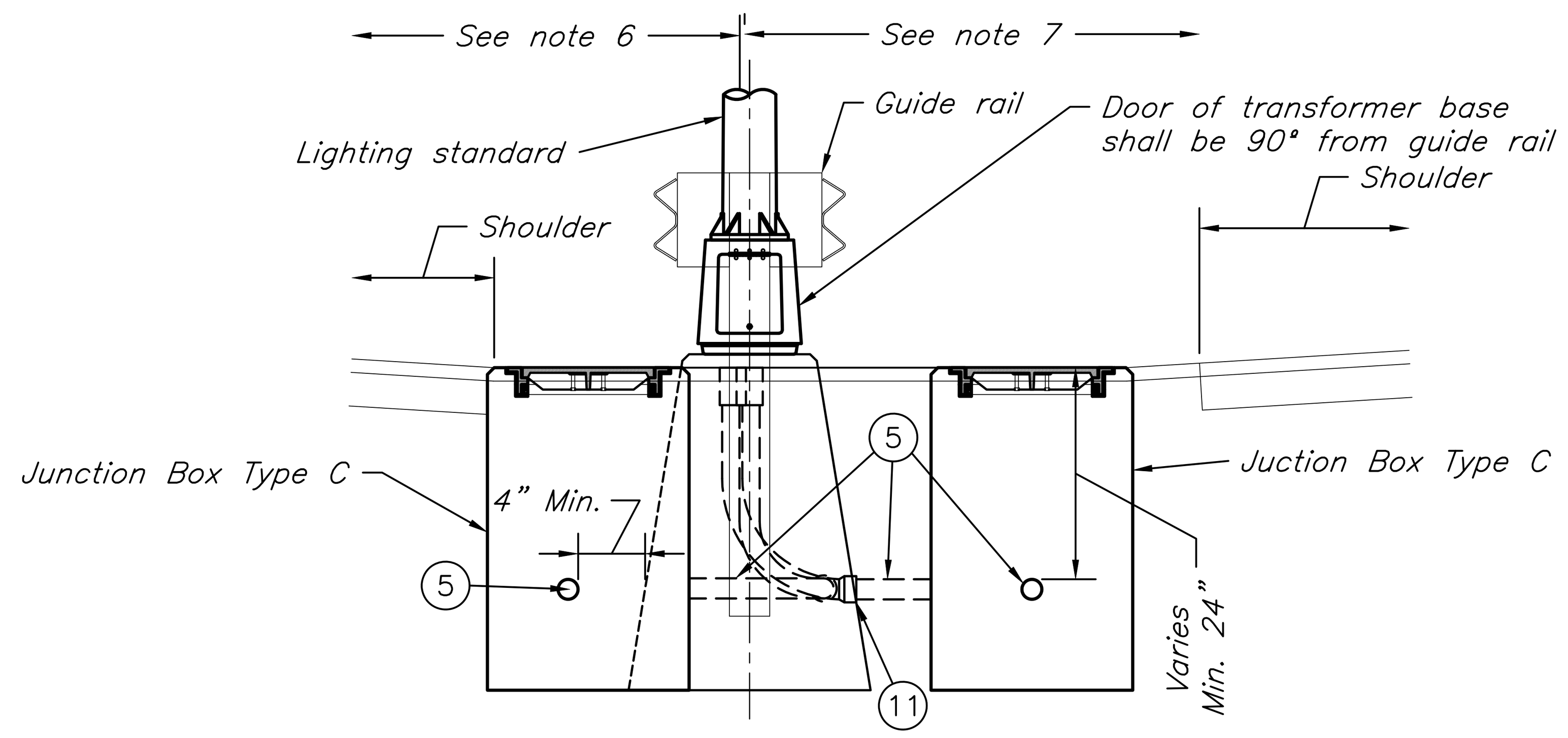


PLAN



SECTION D–D

LIGHTING STANDARD INSTALLATION ADJACENT TO MANHOLE



SECTION E–E

ALTERNATE INSTALLATIONS IN MEDIAN WITH BERM SURFACING

TYPICAL LIGHTING STANDARD, CONCRETE JUNCTION BOX AND MANHOLE INSTALLATION DETAILS

Scale: ½" = 1'-0"

NOTES

1. Typical installations shown on this drawing refer to areas with guide rail and berm surfacing. Installations in other areas shall be similar, unless otherwise noted on the Contract Plans and/or directed by the Engineer.
2. Unless otherwise noted on the Contract Plans & Specifications the area around lighting standard bases, concrete junction boxes and manholes shall be graded and additional berm surfacing provided by the Contractor.
3. This dimension shall be 5'–3" for 2 conduits and 5'–9" for 3 conduits entering junction box.
4. Unless otherwise noted on the Plans, this dimension shall be 5'–3" 5'–11" and 6'–7" for 6, 8 and 10 conduits entering manhole, respectively.
5. This dimension shall be 7" for 2 conduits entering junction box.
6. Installations where junction box is to be installed on the 12 ft. shoulder side of median.
7. Installations where junction box is to be installed on the 5 ft. shoulder side of median.
8. Conduit offset bend shall be Rigid Nonmetallic where the distance between of guide rail post and lighting standard base is less than 5'–0". Offset bend shall be omitted in areas where guide rail is not required.
9. Placement of concrete junction boxes and roadway lighting manholes which are not adjacent to a lighting standard shall conform to the applicable details shown.
10. Lighting standard bases shall be placed at midpoint between guide rail posts, wherever feasible.
11. Asphalt lip curbs are not shown.
12. Reference to Nonmetallic conduits on these Details shall be understood to include cableduct, as applicable.

LEGEND

(1) Additional Berm Surfacing (See Notes 1 & 2)
(2) Edge of Berm Surfacing
(3) Guide Rail Post and Bracket(s)
(4) Guide Rail Element(s)
(5) 3" Rigid nonmetallic Conduit (Typ) or Conduit, size and type as shown on the Plans
(7) 3" Rigid nonmetallic conduit bend with 12" min. radius
(8) Top of Shoulder on Roadways without Curb
(9) Top of Shoulder on Roadways with Curb
(10) Conduit Offset Bend with 36" Rad, 20"±1" Offset and 6'–6" min length. 3" size (Typ) or 2" size (where req'd), Nonmetallic or Rigid Metallic, as shown on the Plans
(11) Conduit Coupling

	BY	DATE
MADE	EMG	05/2009
TRACED	MDC	05/2009
CHECKED	EMG	05/2009
SUPERVISED	ALB	05/2009

0 ½ 1 2 3 4
ORIGINAL SIZE IN INCHES

If you use this DWG:	
You also need	E–09
You may need	E–13, E–15 & E–18

APP.	NO.	DATE	REVISION
	0	05/2009	ORIGINAL DRAWING

NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
ROADWAY LIGHTING INSTALLATION DETAILS – 2

HNTB 145 RT. 46 WEST, SUITE 400, WAYNE, NJ 07470 – COA# 24GA28000700
ANTHONY L. BARTELLO
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STANDARD DRAWING
E–19

CONTRACT NO. SHEET NO. OF

ACAD FILE NAME: NJTA–SD E–19.dwg Layout: E–19