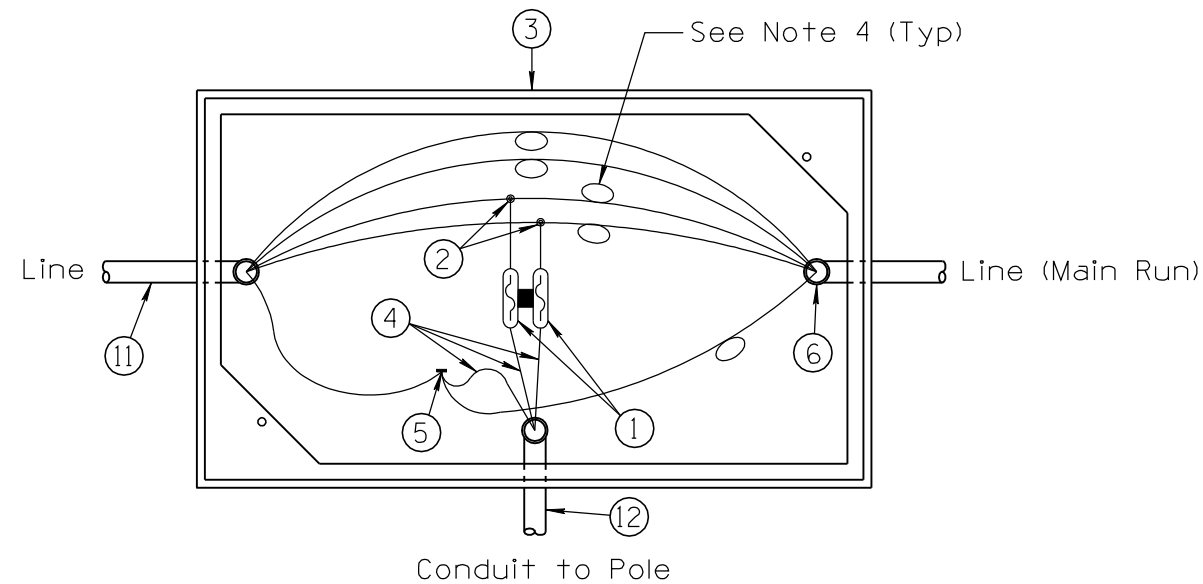
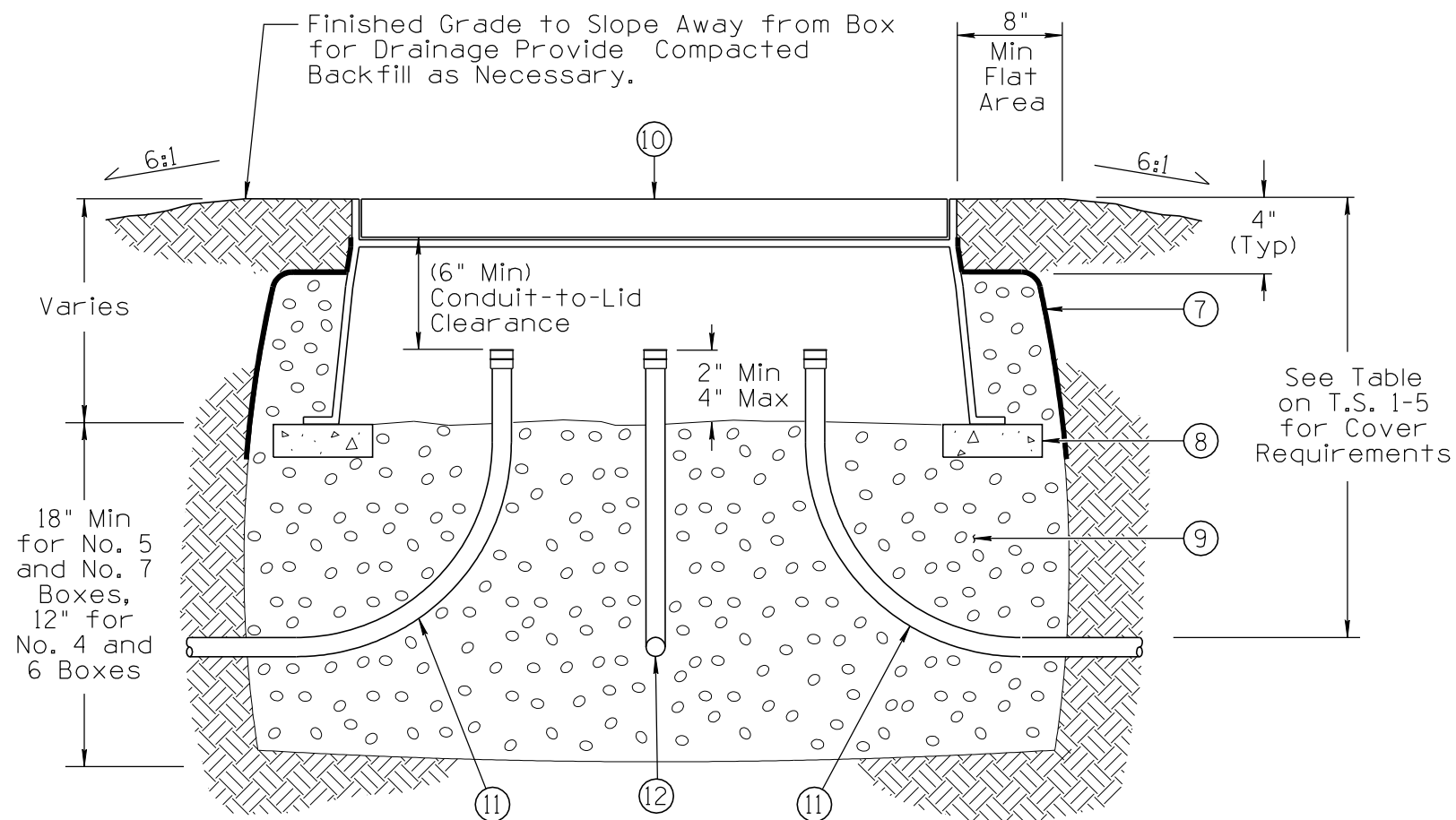


NO.	DESCRIPTION OF REVISIONS	DATE	MADE BY
1	2010 EDITION - UPDATED VERBIAGE, ADDED NO. 4 AND 6 PULL BOX AND STEEL LID INFO	03/10	C. COLE
2	2011 EDITION -	09/11	C. COLE



TYPICAL ROADWAY LIGHTING PULL BOX WIRING



TYPICAL IN-GROUND PULL BOX INSTALLATION

MATERIAL LIST	
No.	Description
①	Dual In-Line Fuse Holder with Approved Fuse: (Street Light Type), See Sheet 2 of 3 for Details and Requirements
②	Approved Splice (per Std Spec "Made" Connection), or Connection Kit, or Approved Underground Wire Connector, See Note 8.
③	LD or HD Pull Box (Cover Removed for Clarity)
④	#12 AWG Stranded XHHW-2 Insulated Conductors (or Larger Size if Noted on Plans)
⑤	Green XHHW-2 Insulated Equipment Bond with Approved Copper Crimp Connector. Steel Lid Installation Shall Include an Additional Bond Wire Connected to the Lid.
⑥	Conduit End Bell (Typ)
⑦	30Lb Felt Roofing Paper
⑧	Concrete Building Block (8" x 1-1/2" x 16")
⑨	Class "A" Concrete Aggregate Designated ASHTO Size No. 57, Sump Box Drainage, or Equivalent Gravel Material.
⑩	Non-Conductive Pull Box Lid
⑪	Main Run Conduit Number and Size Vary Based on Need, Std Sizes are: 2" for Lighting, 3" for Signals
⑫	Box-to-Pole Conduit, Size Varies Based on Need, Std Sizes are 1" for Lighting, 2" for A Poles and 3" for all Other Signal Poles.

NOTES:

- Backfill with excavated material and compact in accordance with applicable requirements of Subsection 203-5 of the Standard Specifications.
- Where pull boxes are installed in concrete areas, the box and lid shall be flush with sidewalk surface. See sheet 3 of 3 for details.
- Pull boxes in non-paved areas shall be provided with a concrete collar if specified. See sheet 3 of 3 for details.
- Conductors shall have a minimum of 24" and a maximum of 36" total in box slack from conduit end bells.
- Conduit ends shall have a nominal 6" to 8" clearance from the bottom of the lid to allow for connectors and slack wire. Extensions or deeper boxes shall be used as necessary to maintain this clearance and to provide needed volume for cables, conductors, and connections.
- Conduit end bells shall be installed on all conduits prior to the installation of conductors and cables.
- Installation requirements for No. 4 and No. 6 box will vary.
- The approved splice shall be third party certified (UL486 or equal) for damp/wet locations and direct burial.
- See T.S. 1-5 for conduit requirements.

DESIGN APPROVED	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS AND LIGHTING STANDARD DRAWINGS	REVISION 09/11
SIGNATURE		DRAWING NO. T.S. 1-4
APPROVED FOR DISTRIBUTION	TYPICAL PULL BOX INSTALLATION AND WIRING DETAILS	SHEET NO. 1 OF 3

NOT TO SCALE