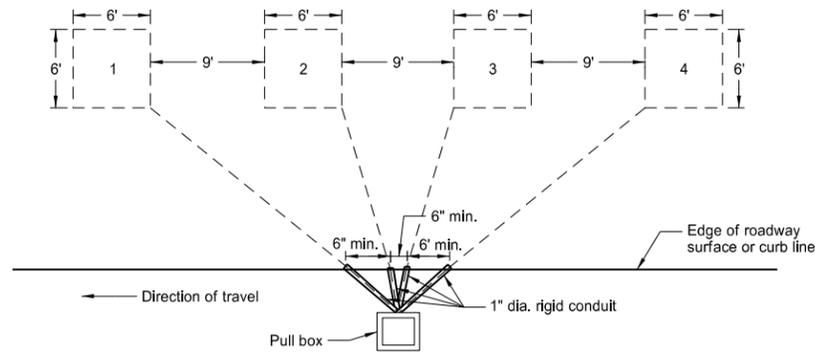
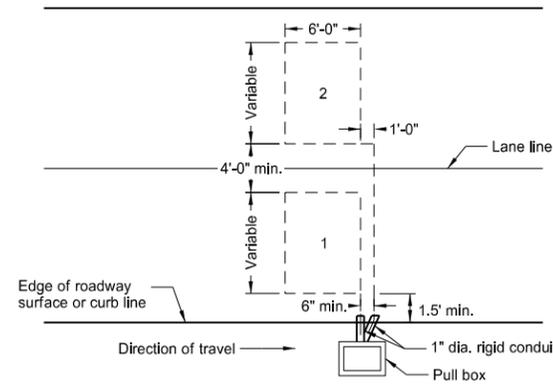


LOOP DETECTOR DETAILS
(SAW SLOT)



Multiple Loop Details
(Presence Loops)

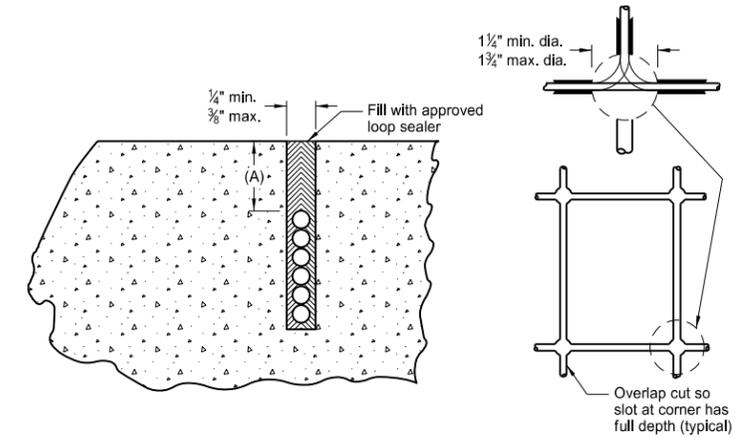


Loop Detector Detail
(Passage or Calling Loops)
Number of loops and number of turns as shown in the plans

Notes:

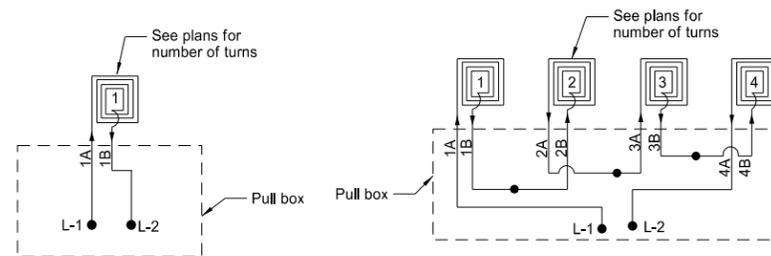
1. Each loop shall be saw cut in the roadway.
2. The number of turns, size of loop, and size of conductor shall be as shown on the plans.
3. The leads from the loop to the pull box shall be placed in saw slots and conduits to minimize interaction.

(A) 1" minimum on concrete surface
2" minimum on asphalt surface



Saw Slot Details

Drill detector loop corners 2" deep then saw pavement slots to form loops. Dimensions and location shall be as shown in plans.

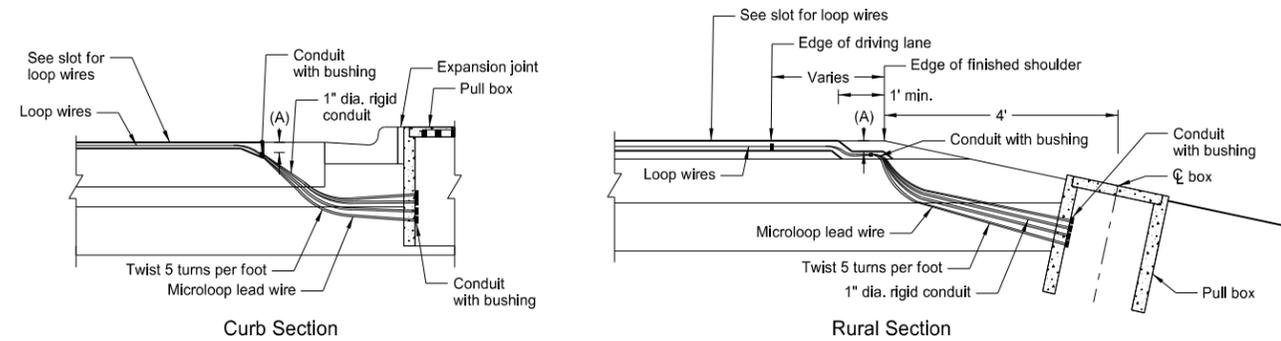


Single Loop Connection

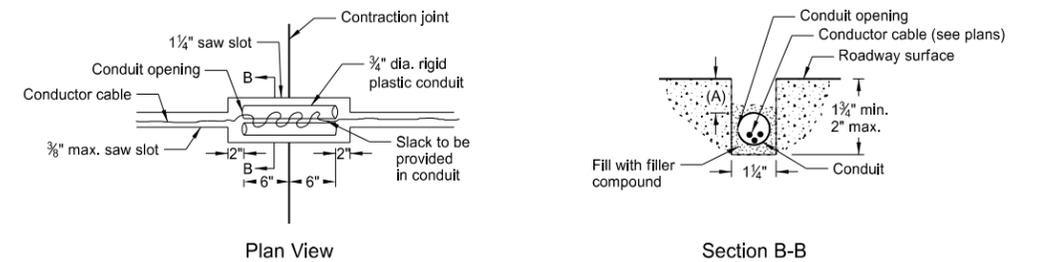
All conductors shall be labeled in the pull box as shown. The loop connections shall be spliced in the pull box.

Multiple Loop Connection

Where multiple loops are connected to create one detection zone. All conductors shall be labeled in the pull box as shown. The loop connections shall be spliced in the pull box as shown. Number of loops may vary with connections made following the same pattern.



Saw Slot to Pull Box Details



Construction Joint Detail

This detail shall be used whenever a crack in the roadway is encountered.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
11-14-13	
REVISIONS	
DATE	CHANGE

This document was originally issued and sealed by Roger Weigel, Registration Number PE-2930, on 11/14/13 and the original document is stored at the North Dakota Department of Transportation