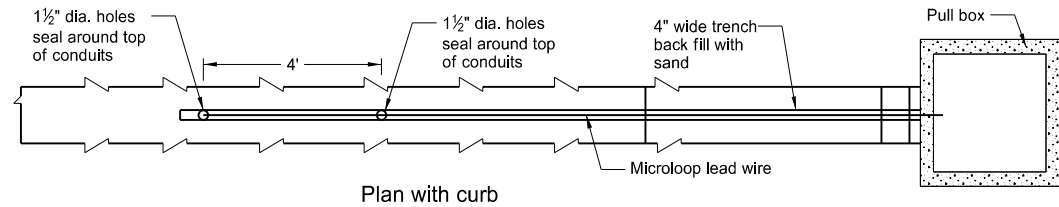
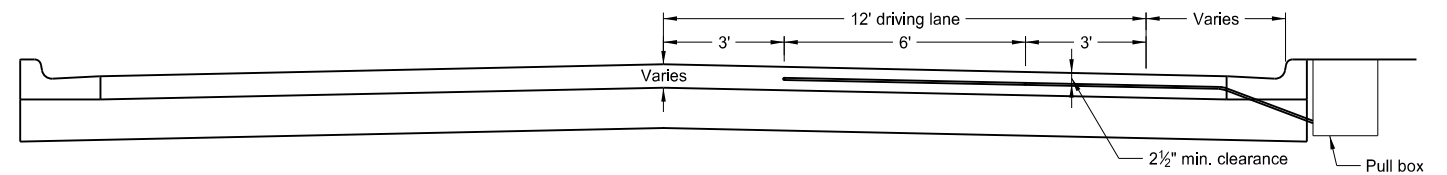


LOOP DETAILS

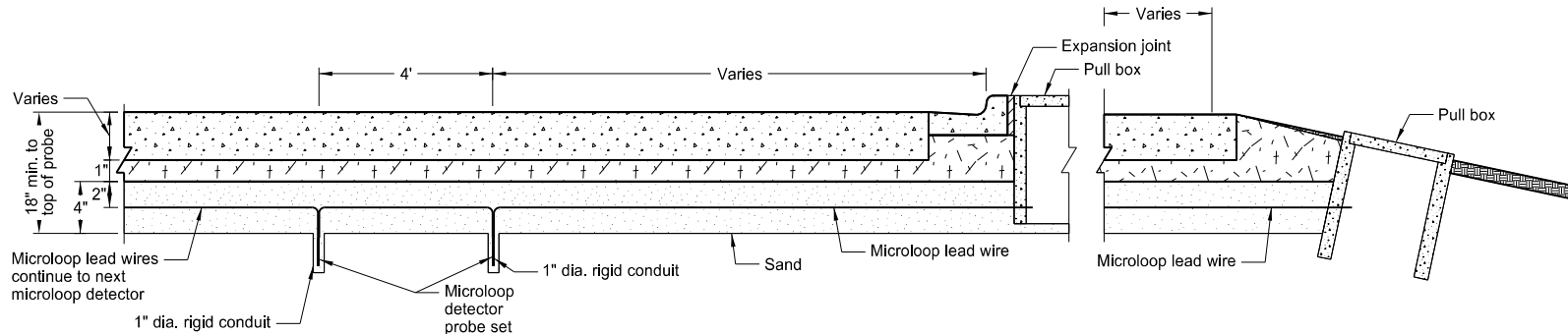


Plan with curb



Elevation
Preformed Loop Detector Layout

Installation of Preformed Loop detector when placed in new pavement.



Elevation with curb

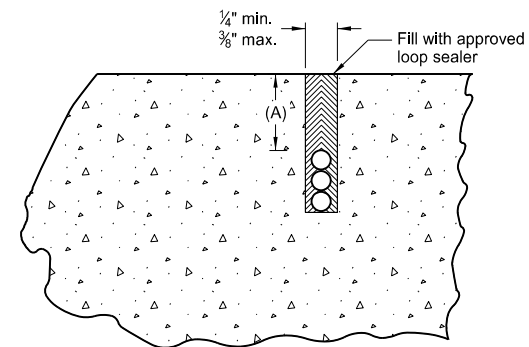
Elevation without curb

Microloop Placement in New Pavement

Notes:

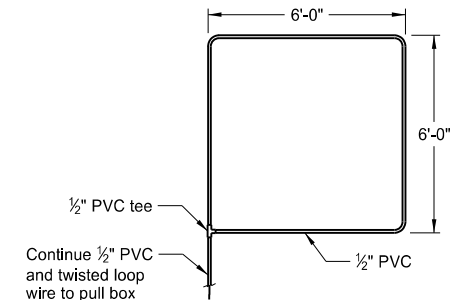
After the installation and compaction of the aggregate base, trench a 4 in. trench and drill the 1 1/2 in. dia. holes. Embed microloop detectors in the sand as shown. Recompact aggregate base to the density of surrounding material and test microloops prior to placing PCC pavement.

Drill 1 1/2 in. dia. holes a minimum of 2 in. below bottom of microloop detector probe.



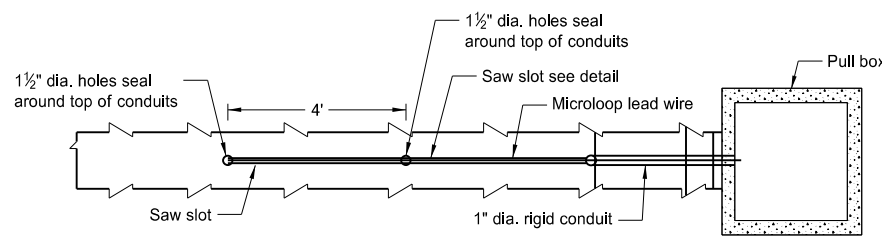
Saw Slot Details

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

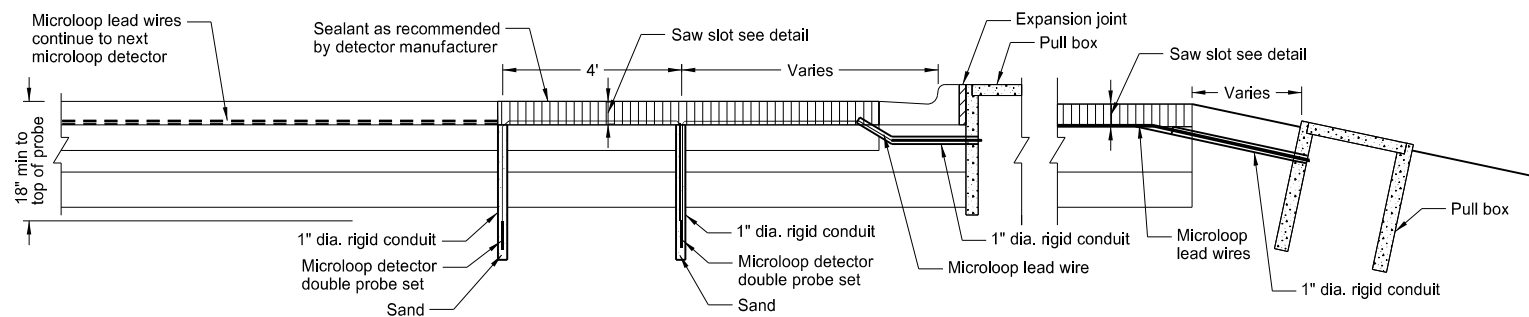


Preformed Loop Detector Layout

Securely tie down Preformed Loop to prevent loop from floating while placing concrete.



Plan with curb



Elevation with curb

Elevation without curb

Microloop Placement in Existing Pavement

Notes:

Drill 1 1/2 in. dia. holes, cut saw slot in the pavement, install 1 in. conduit, and install microloop detectors so tops of probes are 15 in. below road surface. Fill 1 in. dia. conduit with sand, seal saw slot, and test microloops.

Drill 1 1/2 in. dia. holes a minimum of 2 in. below bottom of microloop detector probe.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
11-14-13	
REVISIONS	
DATE	CHANGE
10-17-17 08-28-19	Updated to active voice. New Design Engineer PE Stamp.

This document was originally issued and sealed by
Kirk J Hoff,
Registration Number
PE- 4683,
on 8/28/19 and the original document is stored at the North Dakota Department of Transportation