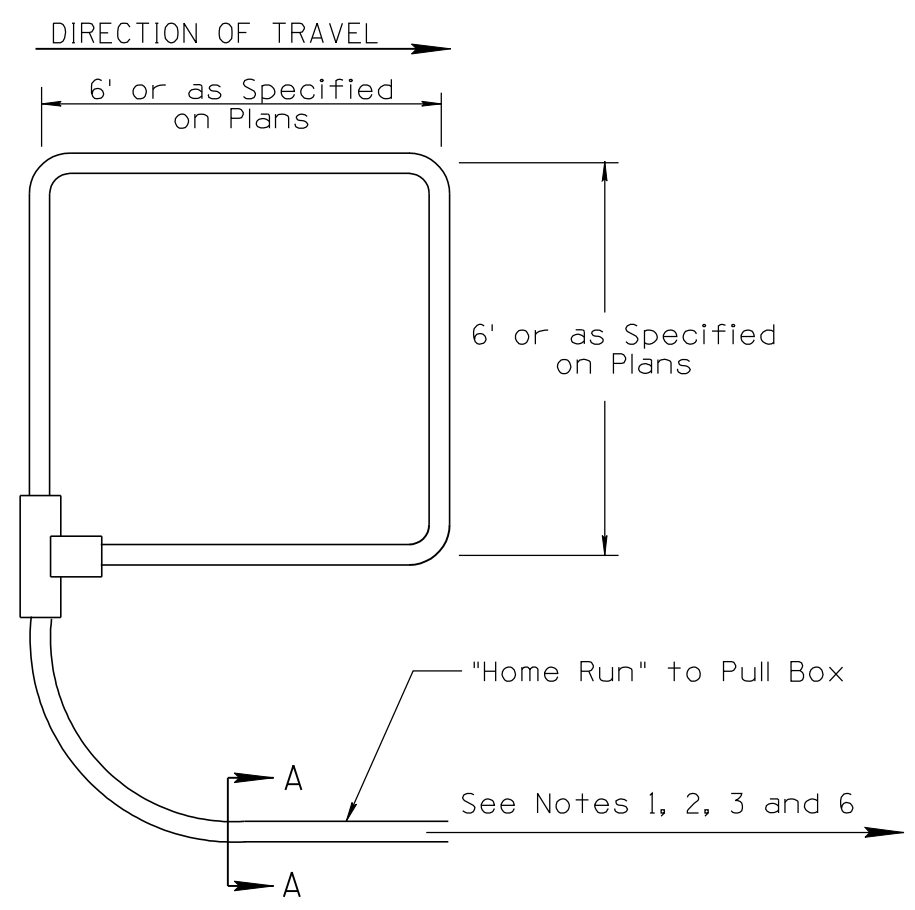


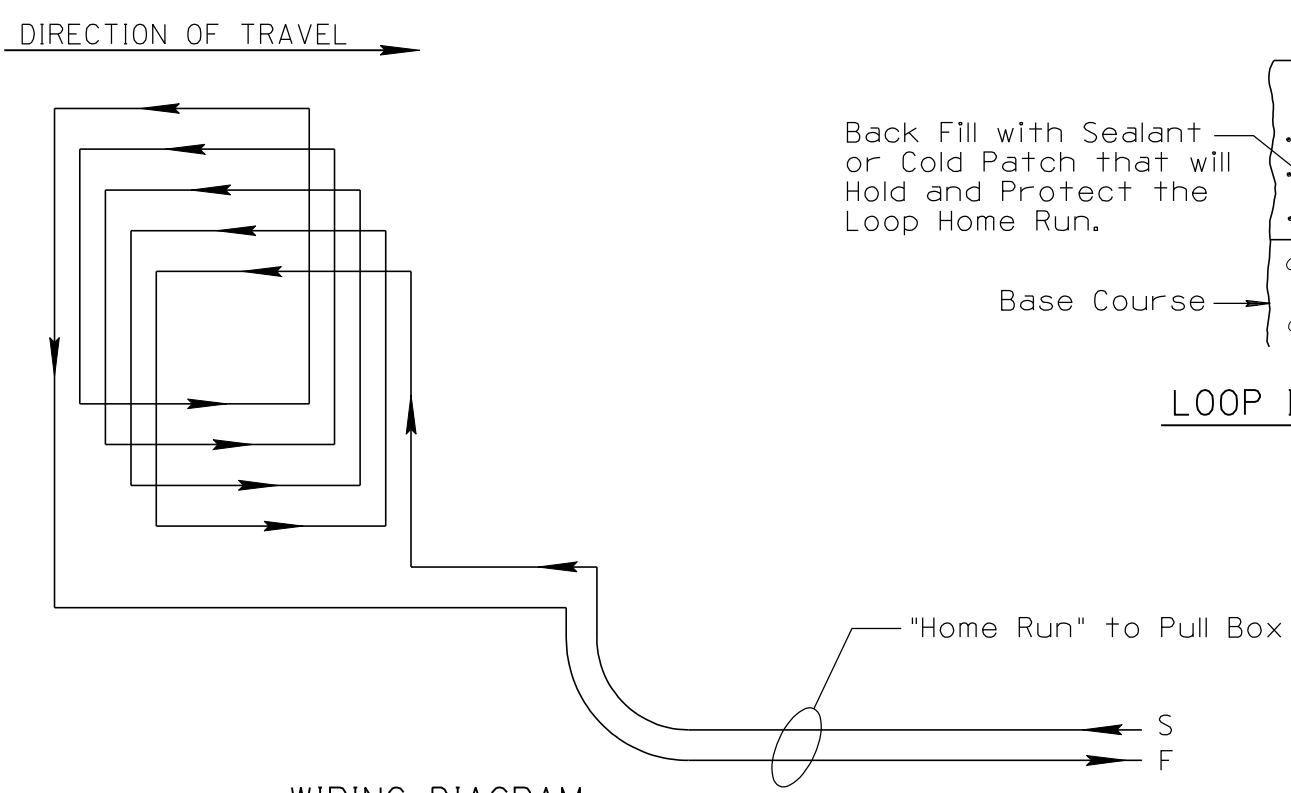
NO.	1	2010 EDITION
DESCRIPTION OF REVISIONS		
MADE BY	C. COLE	
DATE	03/10	
NO.	3	4
DESCRIPTION OF REVISIONS		
MADE BY		
DATE		



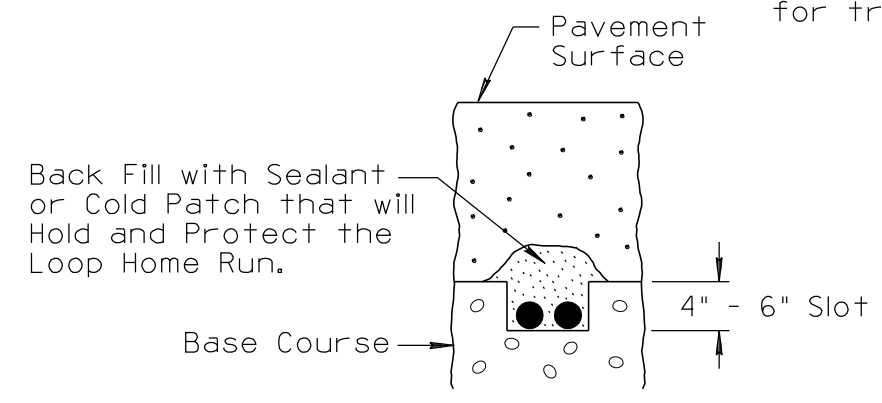
PREFORMED LOOP DETAIL
(For Ramp Metering and Count Detector Applications)

NOTES:

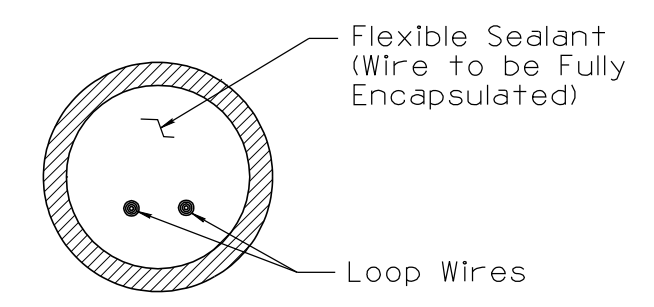
1. Loop detectors in PCCP areas shall be preformed loops. They shall be factory formed of 250 PSI $\frac{3}{8}$ " ID hydraulic hose or $\frac{3}{8}$ " ID polypropylene (equivalent to Schedule 40) and shall be hot applied rubberized sealant filled with #16 AWG stranded wires with TFFN insulation. The entire "Home Run" approaching the pull box shall be fabricated from 250 PSI $\frac{3}{8}$ " ID hydraulic hose containing conductors encased in rubberized sealant. See Specifications.
2. The detector loop layouts shown are general in nature only. The contractor shall verify the length and direction of the "Home Runs" with actual field conditions.
3. All loop assemblies shall be tested before and after concrete pours, per the required tests specified on T.S. 7.1.
4. Loop detectors shall be located in the center of the traveled lane. The exact location of stop bars and lane stripes shall be verified with the Engineer prior to loop installation.
5. Preformed loop detectors shall be installed in existing subgrade immediately below new PCCP. In ACP, the loop detectors can be secured on top of ACP base, or placed in top of subgrade and compacted. They can also be placed in saw cut slots.
6. If loops are installed on a roadway (non-structure) then excess lead-in hose shall be buried directly under pull box sump rock after entering conduit, leaving 24" to 36" exposed above sump rock.
7. The preformed loops shall be installed in a manner which is consistent with the manufacturers recommendations.
8. This loop configuration can also be used for advance detection for traffic signals.



WIRING DIAGRAM
(5 Turns for Each Loop)



LOOP INSTALLATION



SECTION A-A

PLAN SYMBOL

DESIGN APPROVED	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS AND LIGHTING STANDARD DRAWINGS	REVISION	03/10
SIGNATURE		DRAWING NO.	T.S. 7-2
APPROVED FOR DISTRIBUTION	PRE-FORMED LOOP DETECTORS FOR RAMP METERING AND COUNTING	SHEET NO.	1 OF 1
ON FILE			

NOT TO SCALE