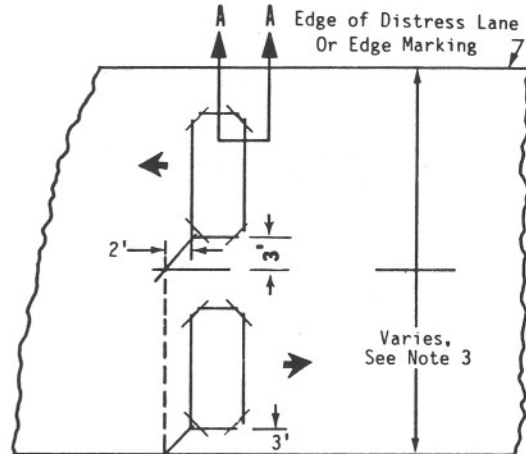
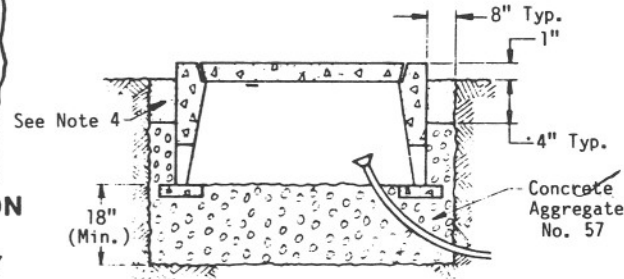


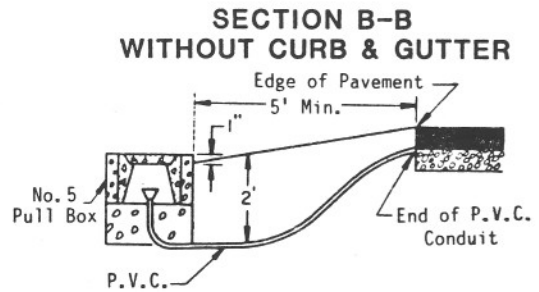
LOOP INSTALLATION IN MULTI-LANE DIVIDED HIGHWAY



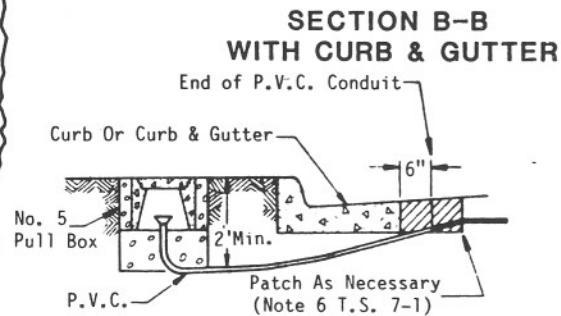
LOOP INSTALLATION IN UNDIVIDED HIGHWAY



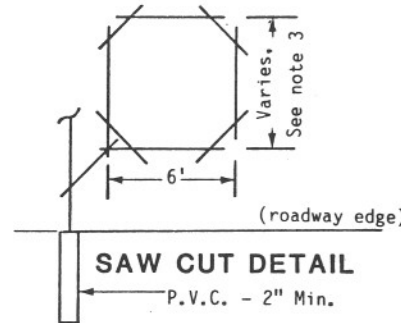
TYPICAL PULL BOX INSTALLATION



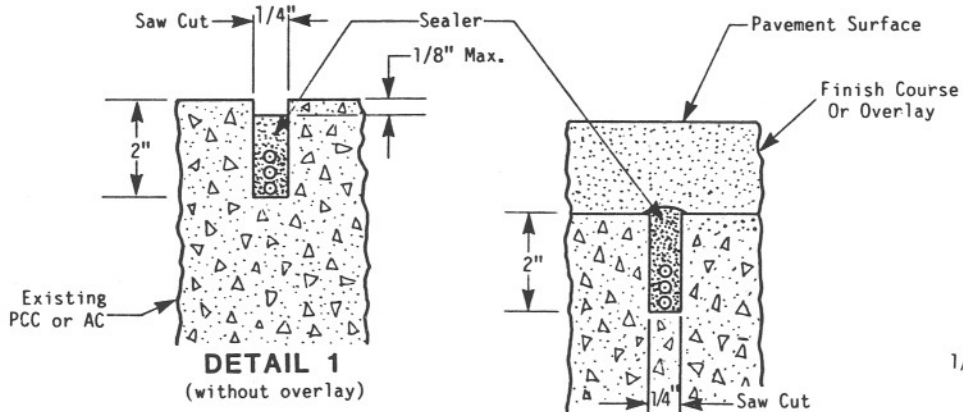
SECTION B-B WITHOUT CURB & GUTTER



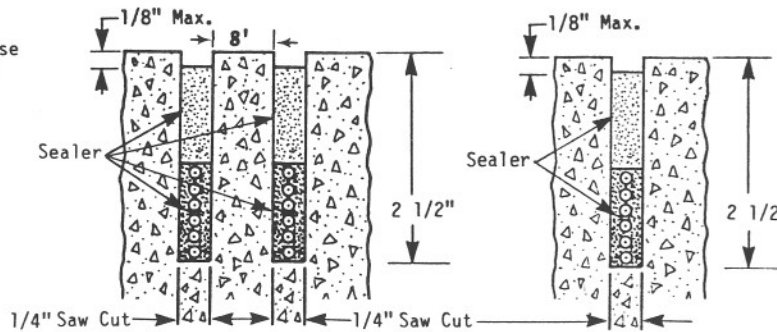
SECTION B-B WITH CURB & GUTTER



SAW CUT DETAIL



LOOP INSTALLATIONS SECTION A-A DETAIL 1 (without overlay) DETAIL 2 (with overlay)



SECTION D-D (speed, classification, weigh-in-motion loops)

SECTION C-C (standard traffic volume loops)

NOTES:

1. One detector loop shall be installed per lane and shall be located in the center of the lane.
2. Speed monitoring/vehicle classification/weight-in-motion systems require 2 loops per lane, centered in lane, with an 18 foot separation, leading edge to leading edge. Leading edges of both loops must be parallel to each other with no more than 1 inch variation across the face of the loops.
3. 6 x 6 foot loops with 3 turns of sheathed, THHN stranded, 14 AWG, single conductor, copper wire are standard for all travel lanes up to 12 feet in width. For lanes wider than 12 feet, adjust width of loop to allow for 3 feet from center stripe and lane edge marking while maintaining 6 foot depth of the loop.
4. Backfill with excavated material and thoroughly tamp.
5. Where pull boxes are installed in concrete areas, 1/2 inch felt shall be used as an expansion joint.
6. All excavated material not reused shall be properly disposed of.
7. Saw cuts shall be sealed with an approved sealer per specifications, subsection 724(d).
8. Emulsified crack filler (CRF or similar) and silica sand mixture to be used on all AC installations, with or without overlay.
9. Loops to be placed in travel lanes (roadway width less painted distress lane or edge marking = travel lanes).

DESIGN APPROVED <i>A. Schmidt</i> 6-17-86	STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DRAWINGS	DRAWING NO. TS 7-3
APPROVED FOR DISTRIBUTION <i>James A. Mc...</i>	DETECTOR LOOPS FOR TRAFFIC COUNTERS	