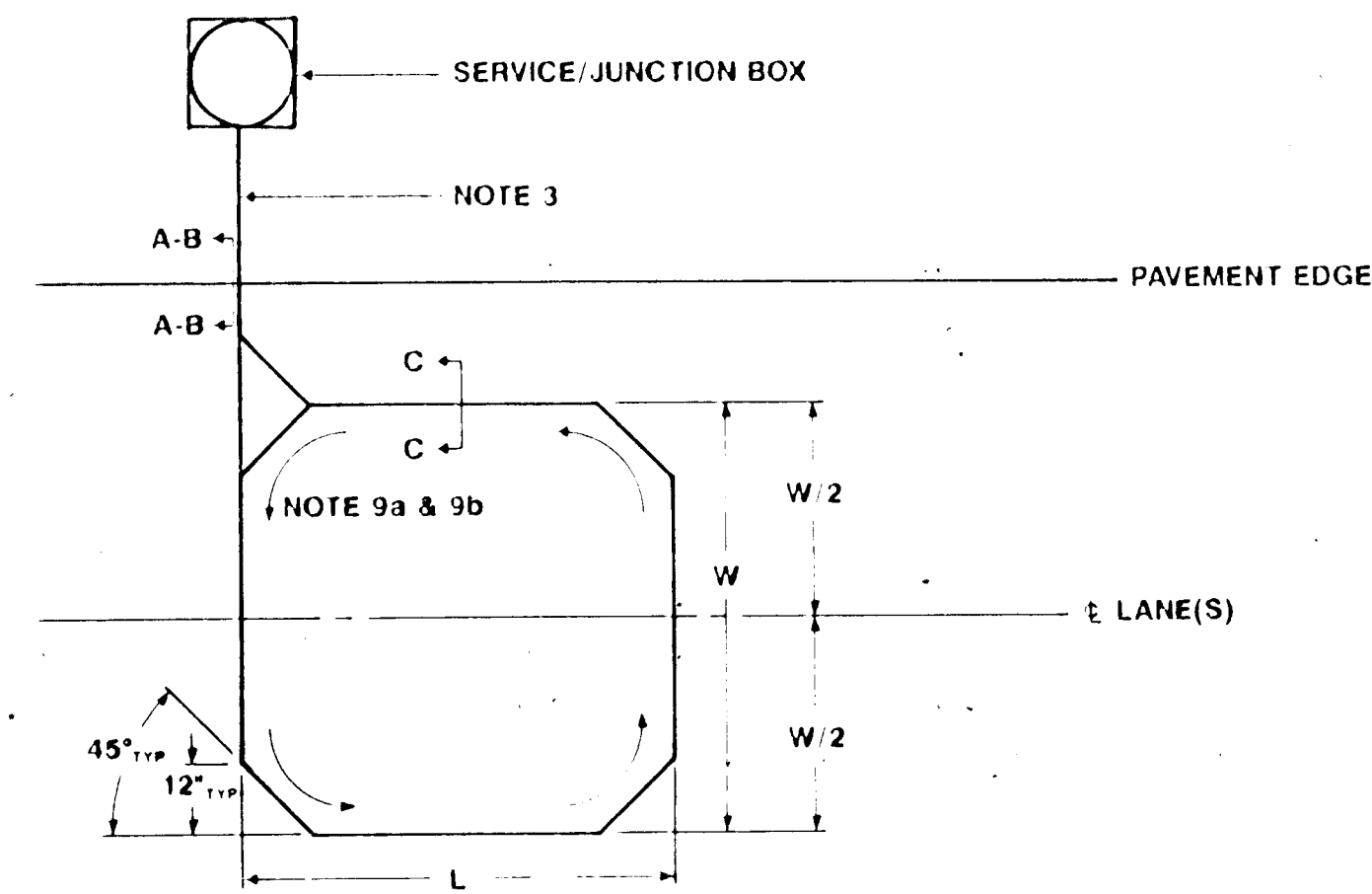


Loop Construction/Installation Details

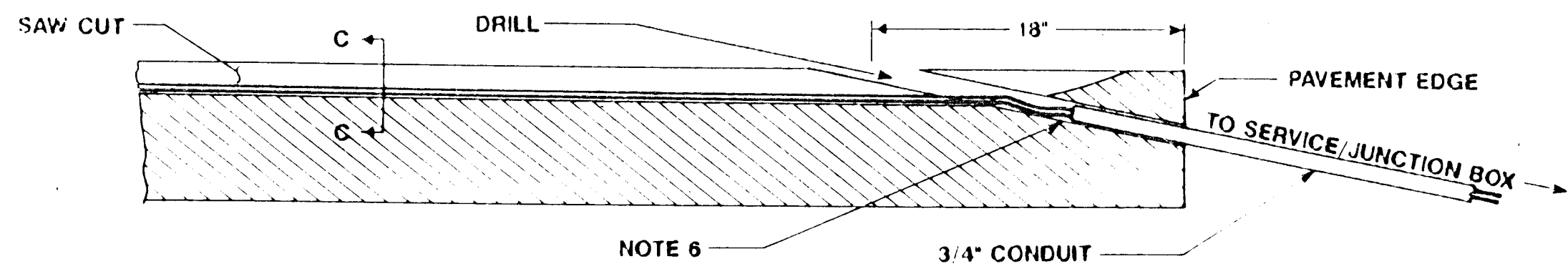
NOTES:

1. Loop saw cut and top of microloop holes shall be filled with approved sealant to within 1/8" of pavement surface.
2. All loops shall be wound in the same direction.
3. Loop wire between the loop and the service/junction box shall be twisted 2 turns per foot.
4. No expansion joint in the pavement or curb & gutter shall be utilized in the placement of loop wire runs or conduit embedding.
5. The loop wire shall not pass through the curb & gutter or edge of pavement in any part of any drive approach and/or corner radius.
6. All conduit ends shall be sealed with duct seal to prevent loop sealant from entering conduit.
7. Loop feeder conduit shall be a minimum of 12" from any other loop feeder conduit.
8. Saw cuts running parallel with expansion joint or any other saw cut shall be a minimum of 12" apart.
9. a. Loops 25' or less - 4 turns
b. Loops over 25' - 3 turns
c. Quadrapole loops - 2-1-2 turns
10. The loop wire shall have 2" slack at all crossings of pavement joints to allow for expansion/contraction of pavement. - Detail D.

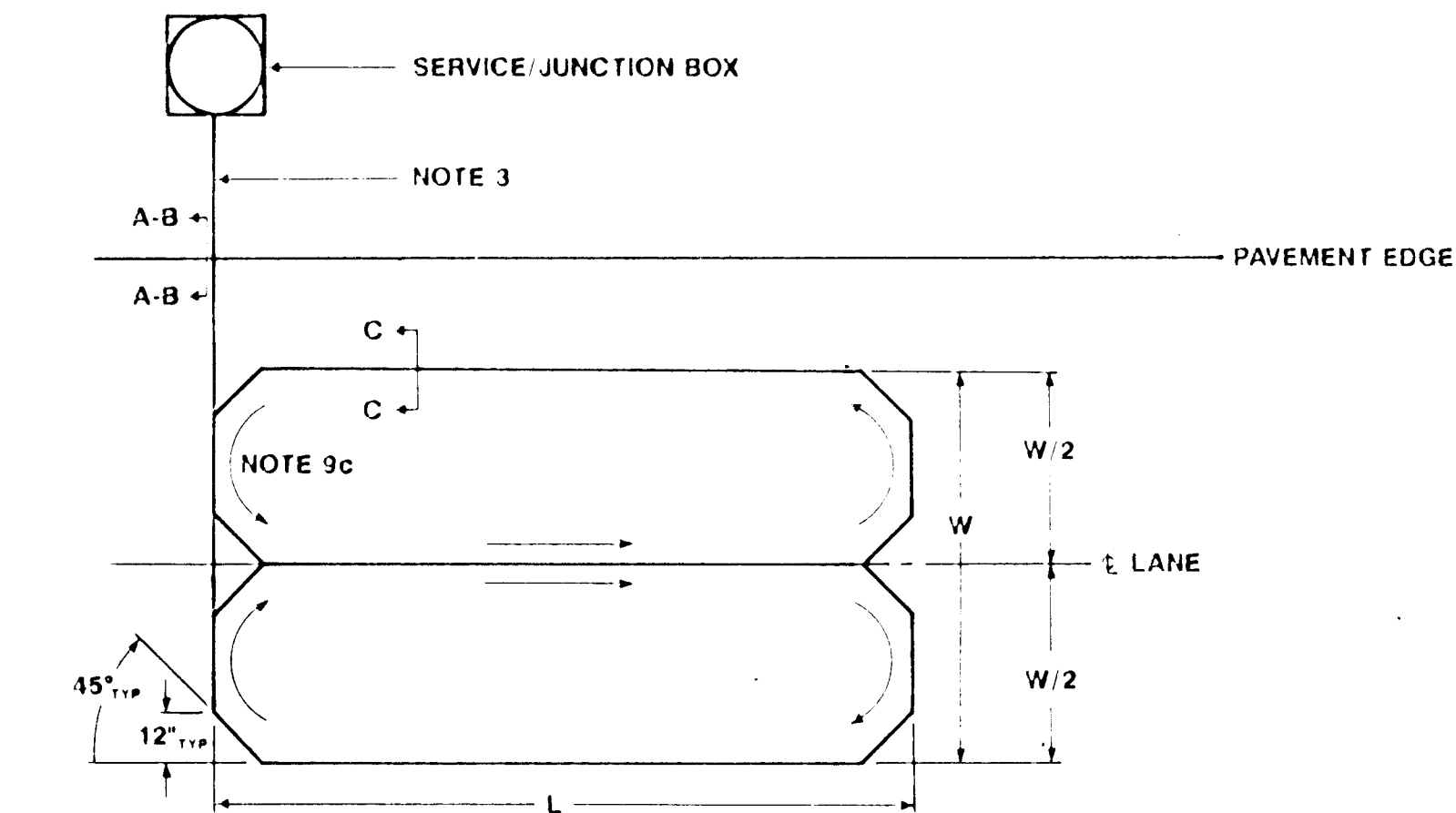
Typical Conventional Loop Installation



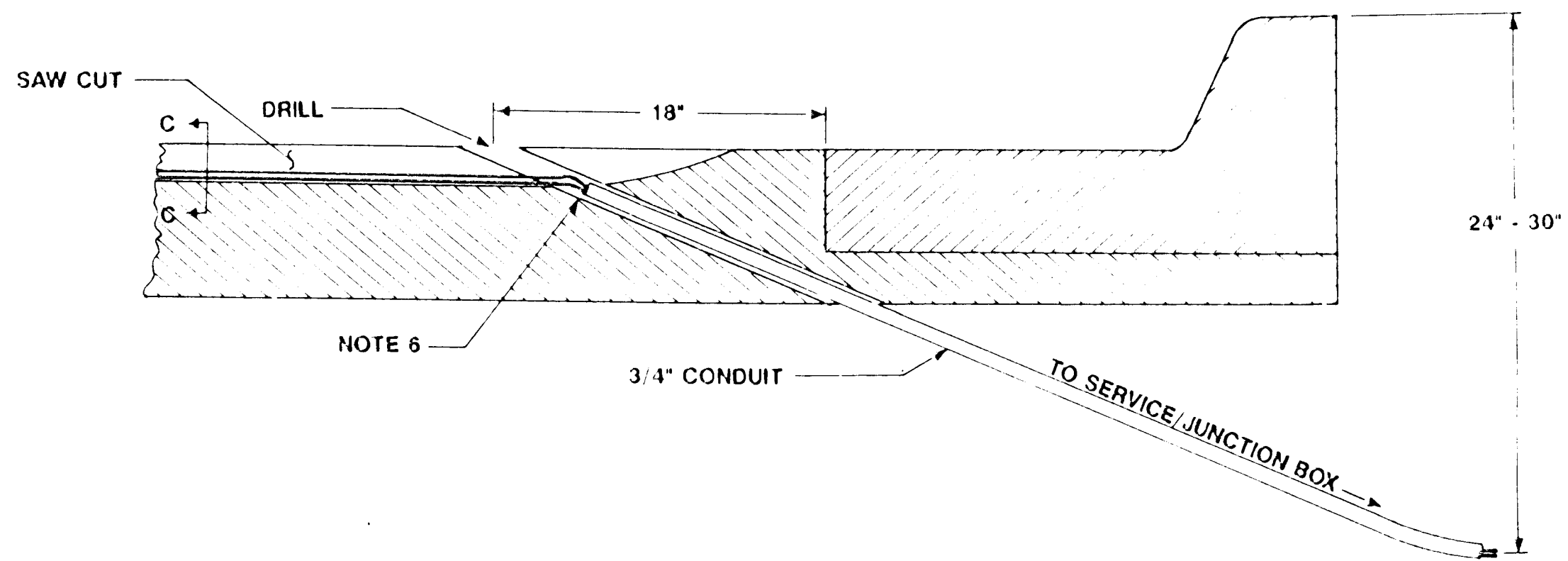
Detail A - No Curb & Gutter



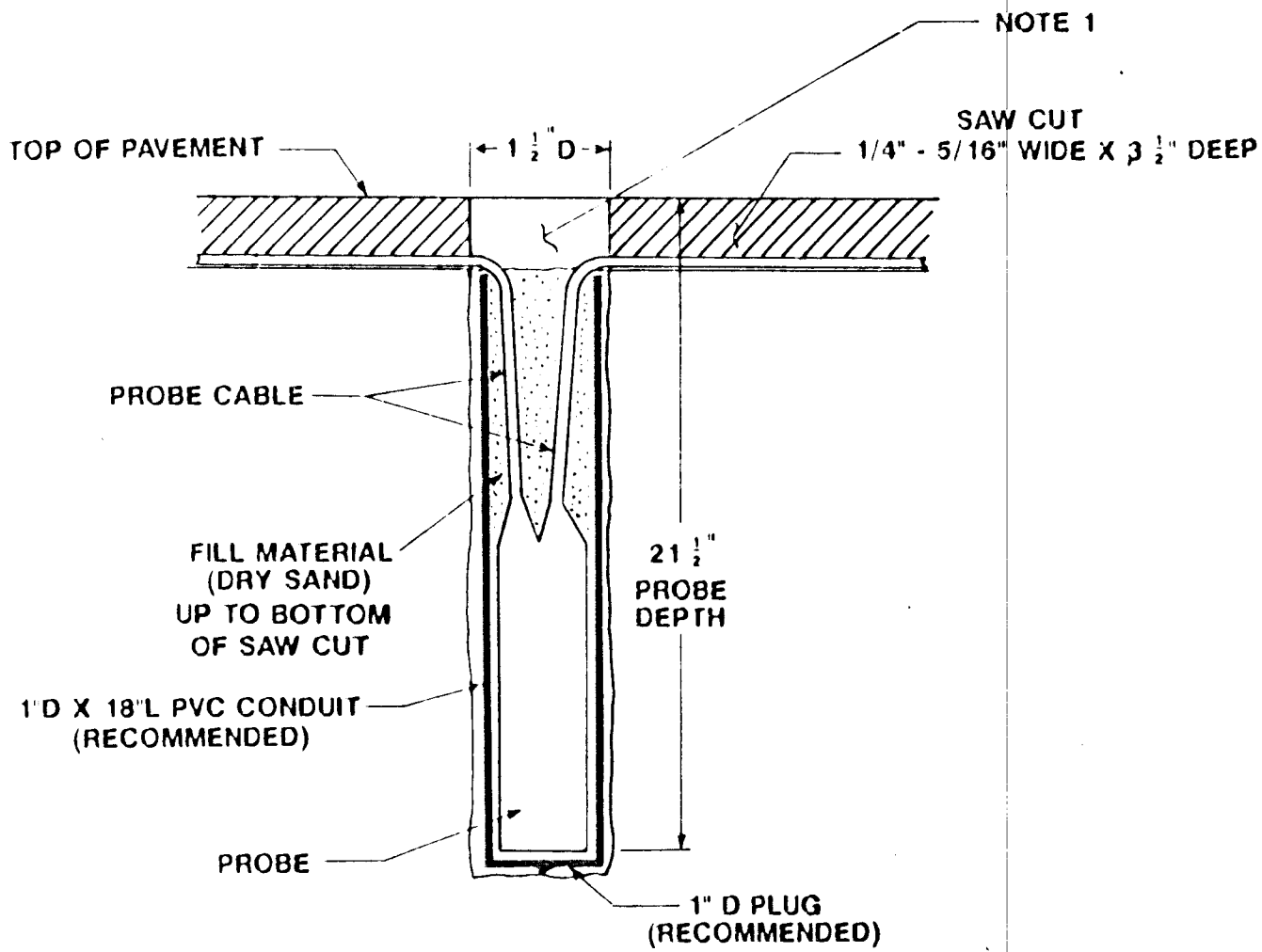
Typical Quadrapole Loop Installation



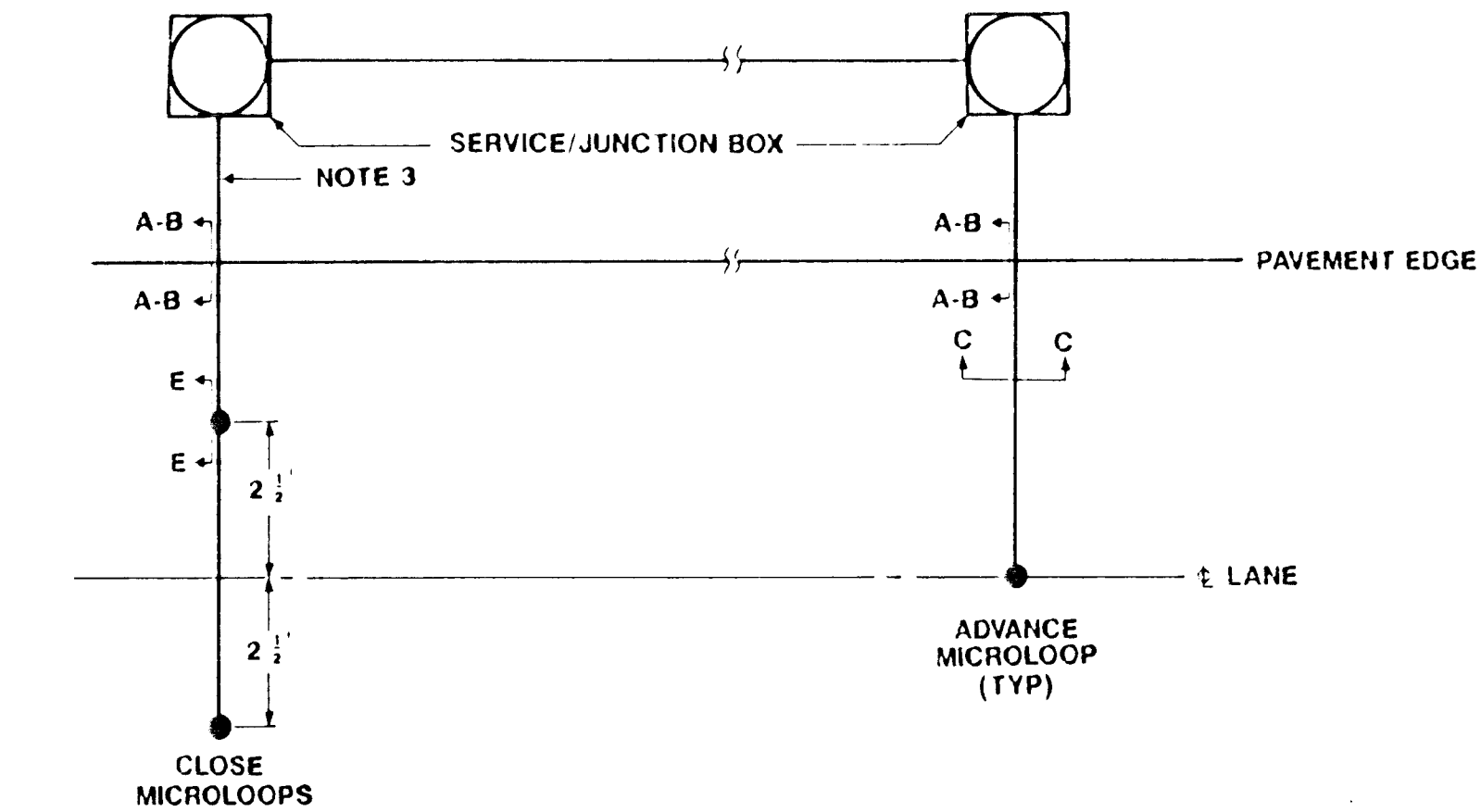
Detail B - Full Curb & Gutter



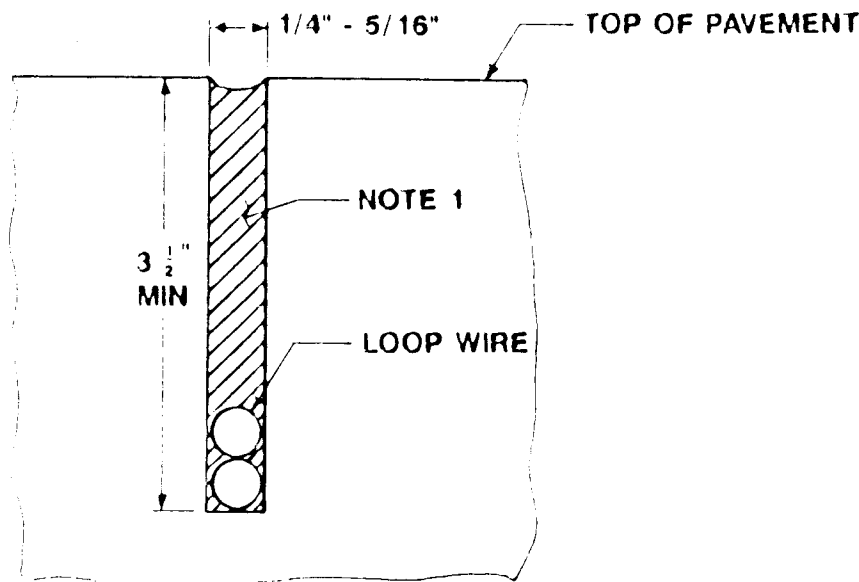
Detail E - Microloop Installation



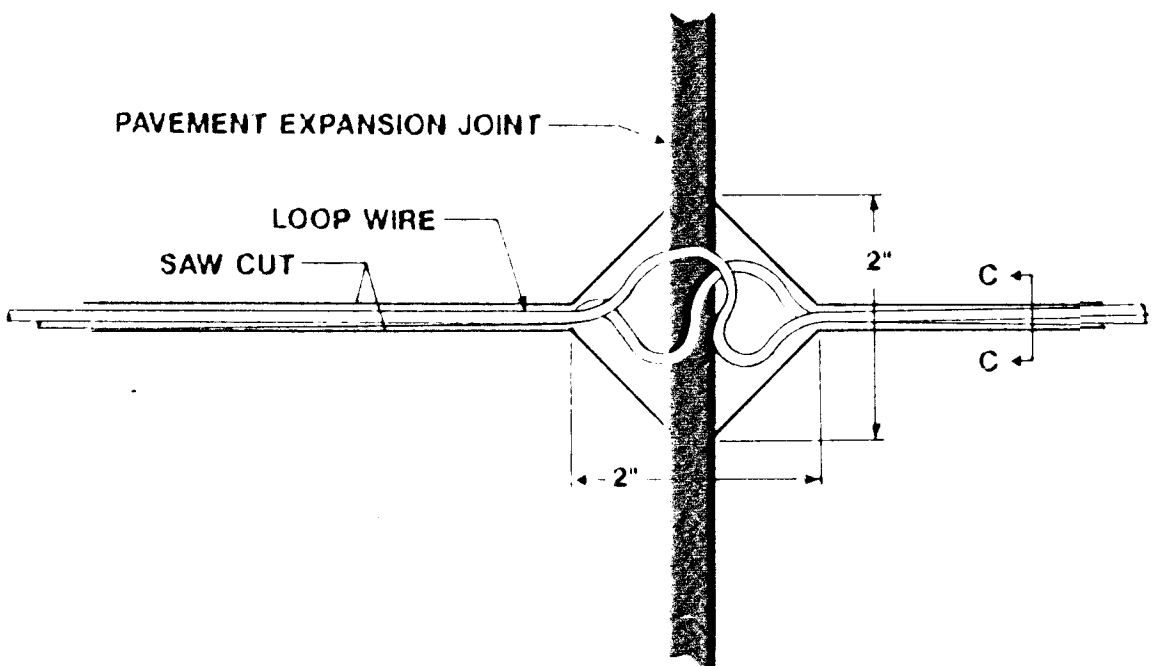
Typical Microloop Installation



Detail C - Saw Cut



Detail D - Pavement Joint Crossing



NOTE: The depth of area removed shall be the same as the saw cut depth and sealed in the same manner.

DATE	COMMENTS	INT.

PROJECT DESCRIPTION	
LOOP DETECTOR	
CONSTRUCTION & INSTALLATION DETAILS	
PROJECT NUMBER	
468-82138 & 472-82668	
SCALE: NONE	APPROVED BY: DATE: APR. '93
DRAWN BY: JL	REVISED:
CITY OF WICHITA	
DEPARTMENT OF PUBLIC WORKS	
TRAFFIC ENGINEERING SECTION	
SH 28 OF 38	