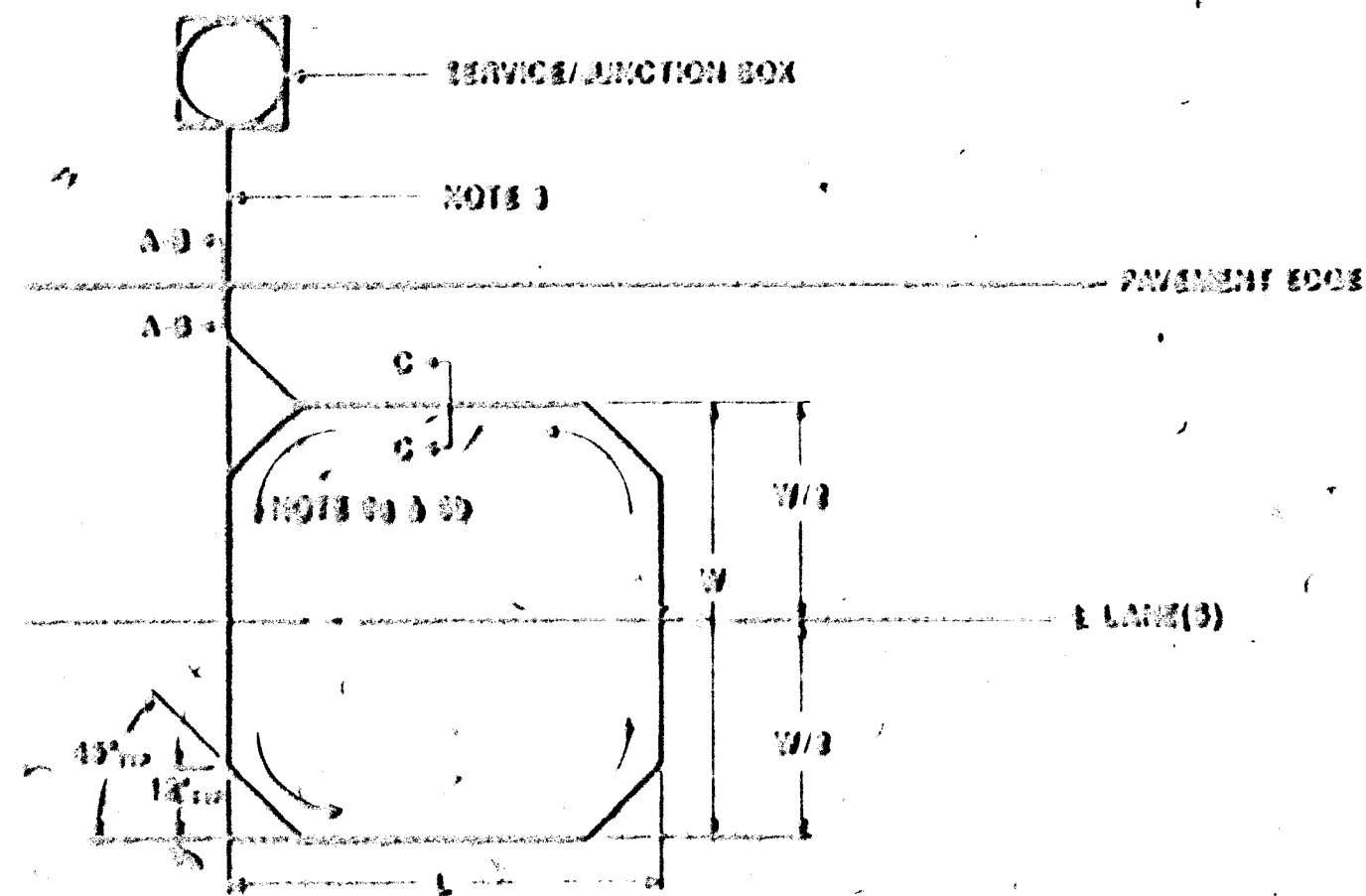
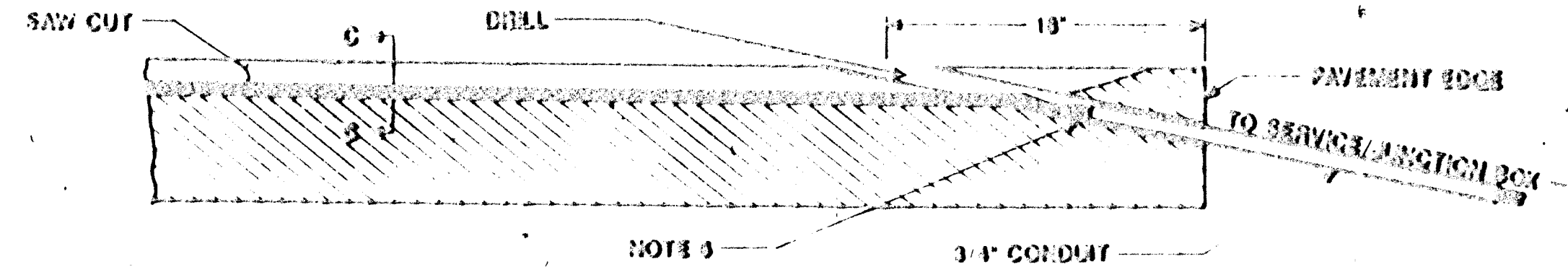


Loop Construction/Installation Details

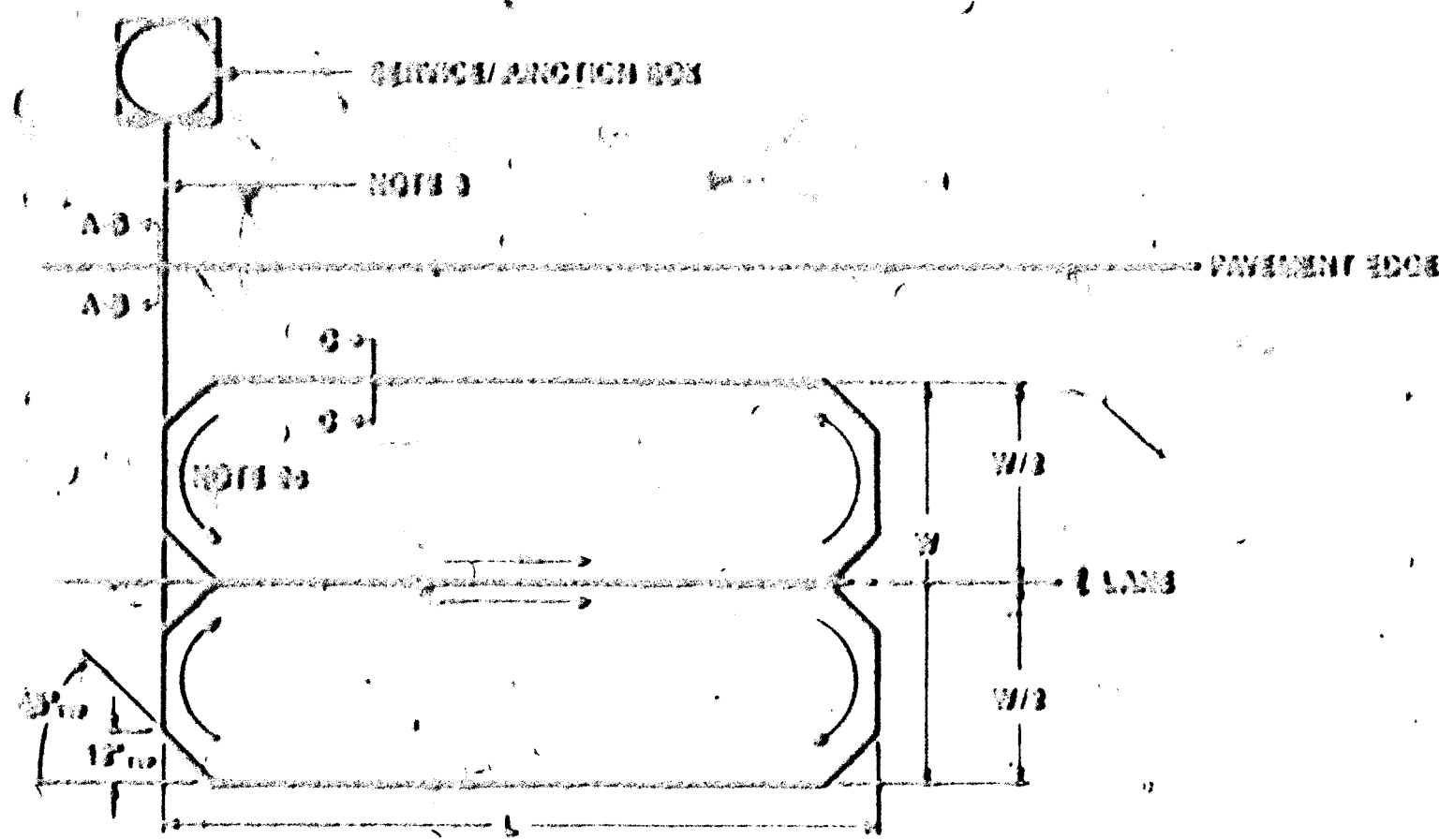
Typical Conventional Loop Installation



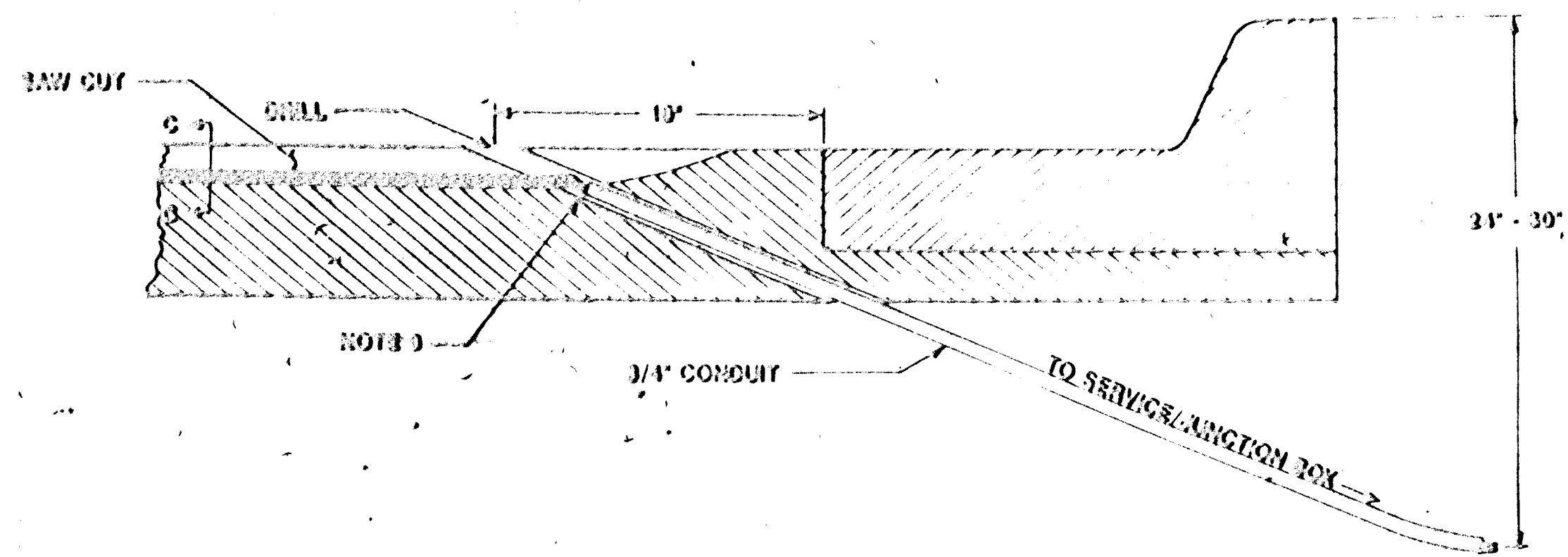
Detail A - No Curb & Gutter



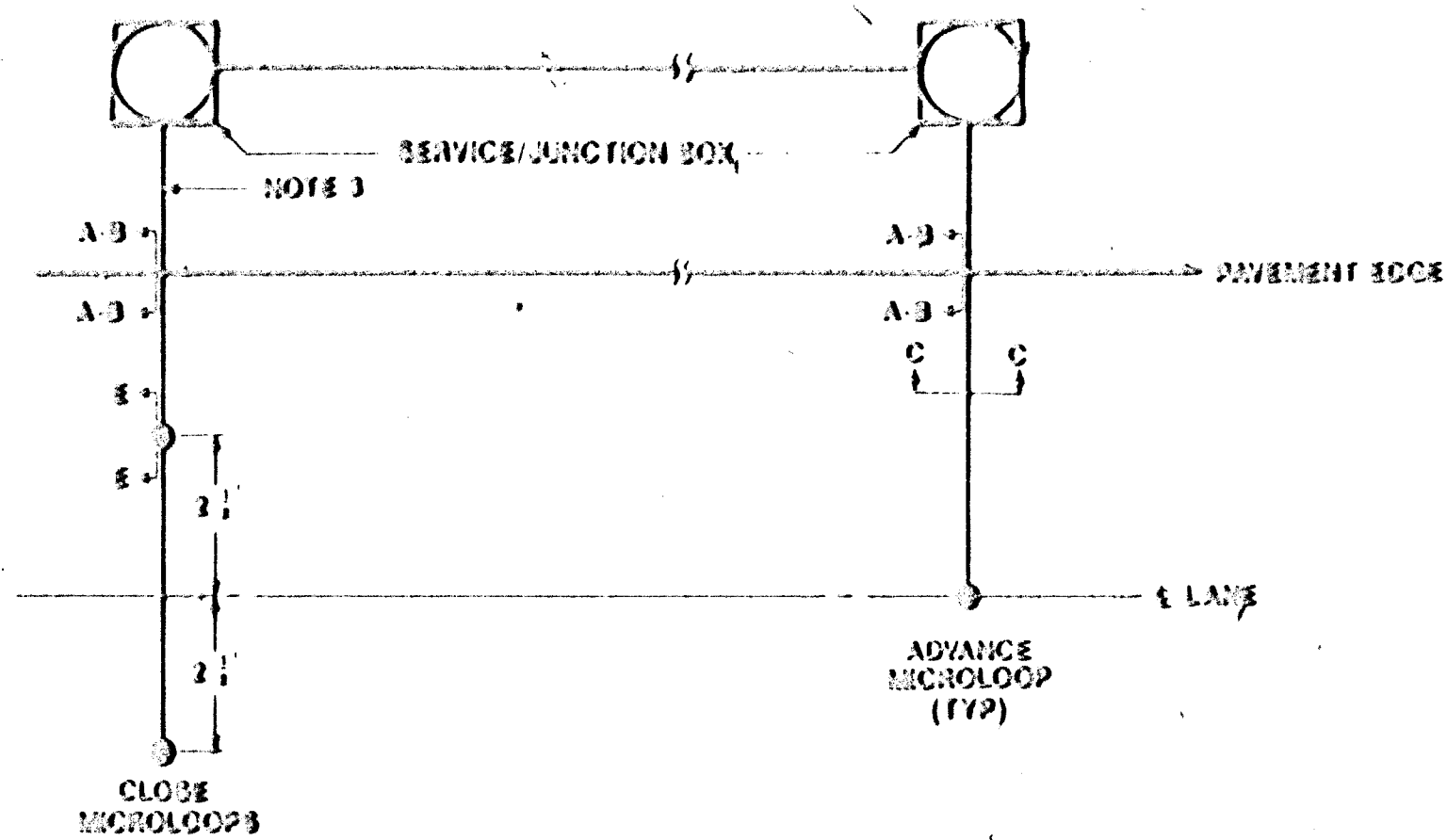
Typical Quadrupole Loop Installation



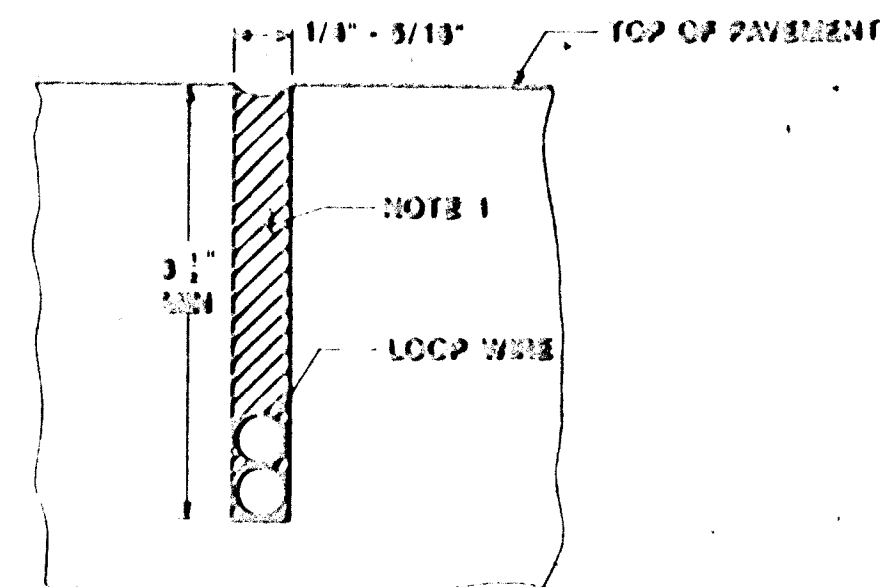
Detail B - Full Curb & Gutter



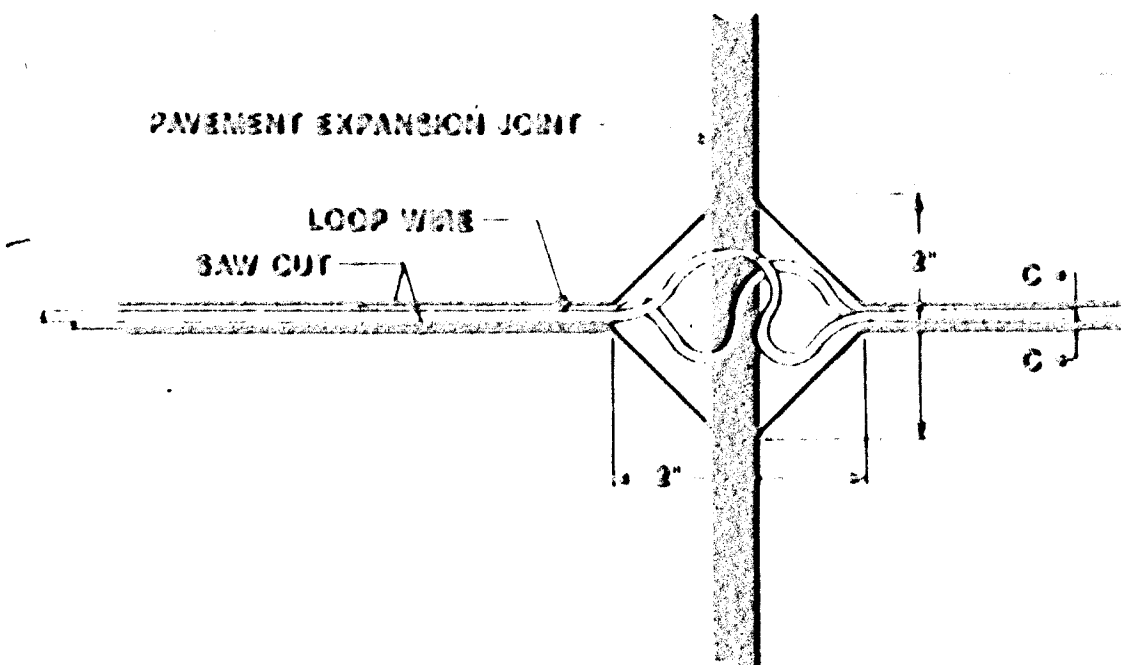
Typical Microloop Installation



Detail C - Saw Cut



Detail D - Pavement Joint Crossing

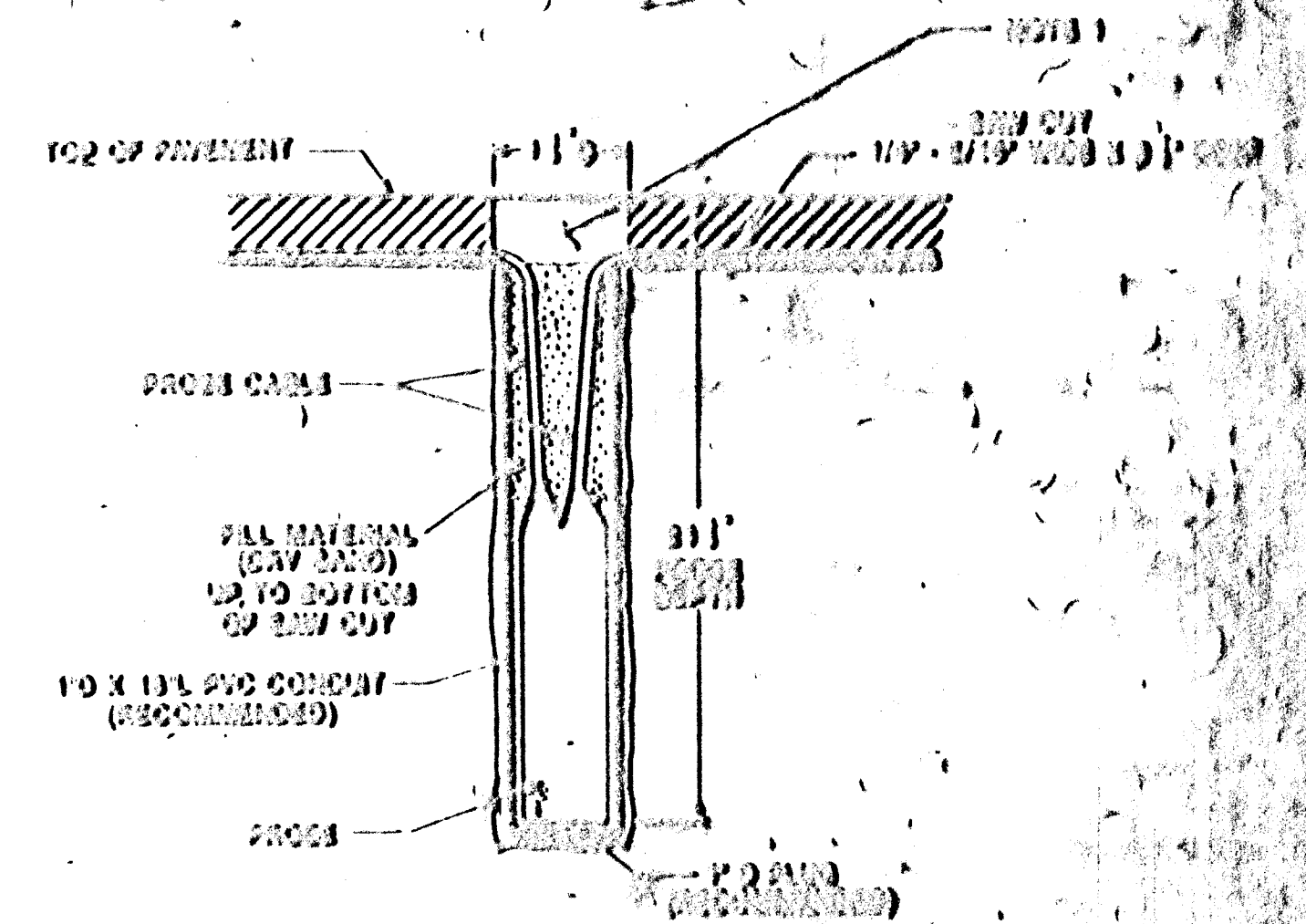


NOTE: The depth of area removed shall be the same as the saw cut depth and sealed in the same manner.

NOTES:

1. Loop saw cut and top of interlocking holes shall be filled with approved cement to within 1/8" of pavement surface.
2. All loops shall be wound in the same direction.
3. Loop wire between the loops and the service junction box shall be 1/8" x 1/8" x 3 turns per foot.
4. No separation joint in the pavement or curb & gutter shall be within 1' of the placement of loop wire in a trench or embedded loop.
5. The loop wire shall not pass through the curb & gutter or other part of pavement to any part of any drive, property and/or surface runoff.
6. All conduit pipe shall be sealed with duct seal to prevent loop trailing from entering conduit.
7. Loop under conduit shall be a minimum of 14" from any other loop for the conduit.
8. Saw cuts running parallel with separation joint or any other saw cut shall be a minimum of 14" apart.
9. a. Loops 33' or less - 3 turns
b. Loops over 33' - 4 turns
c. Quadrupole loops - 3-4 turns
10. The loop wire shall have 3" slack at all crossings of pavement joints to allow for expansion/contraction of pavement. - Detail D.

Detail E - Microloop Installation



DATE	COMMENTS	EXP.	472 76 245 81853 000 000 001			
			2001	10	10	10
			2001	10	10	10
			CITY OF WYOMING			
			DEPARTMENT OF PUBLIC WORKS			
			TRAFFIC ENGINEERING SECTION			
			03/11	10	10	10