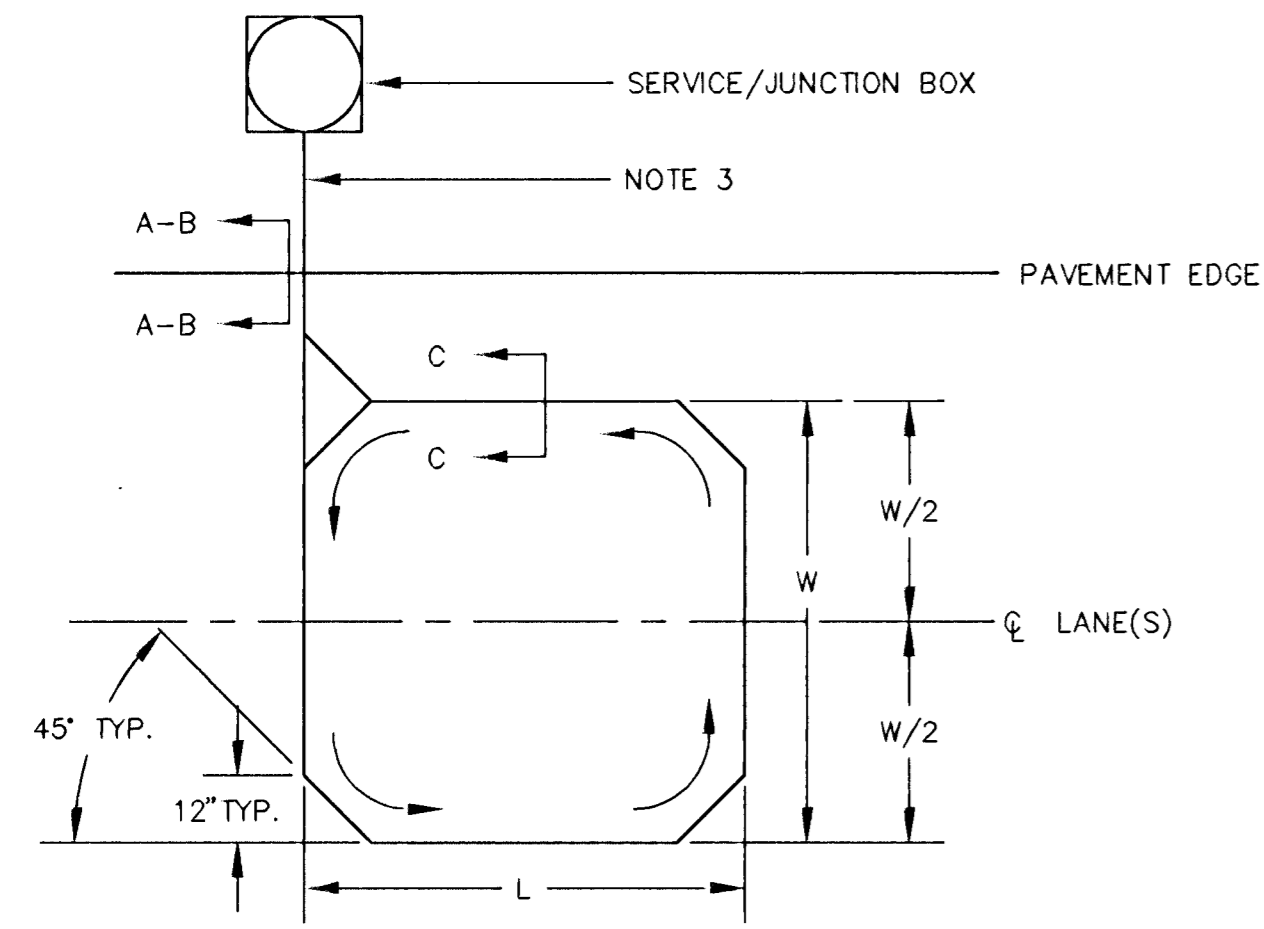


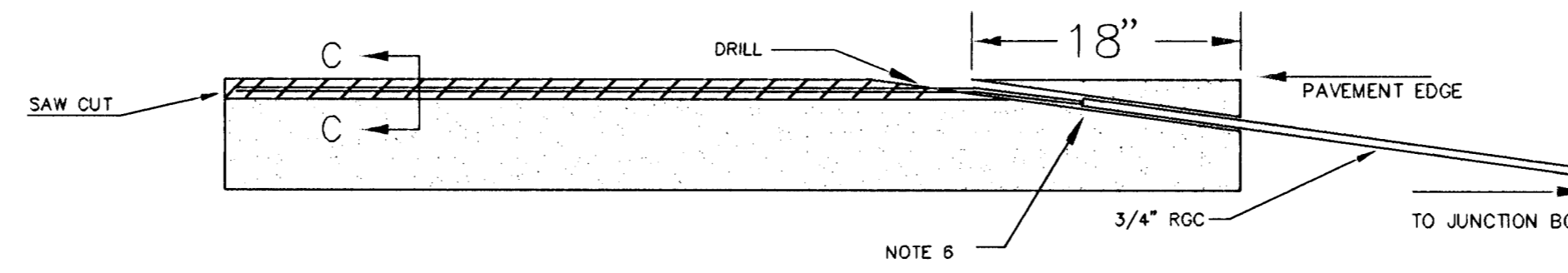
FEMA REGION NO.	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS			

Loop Construction/Installation Details

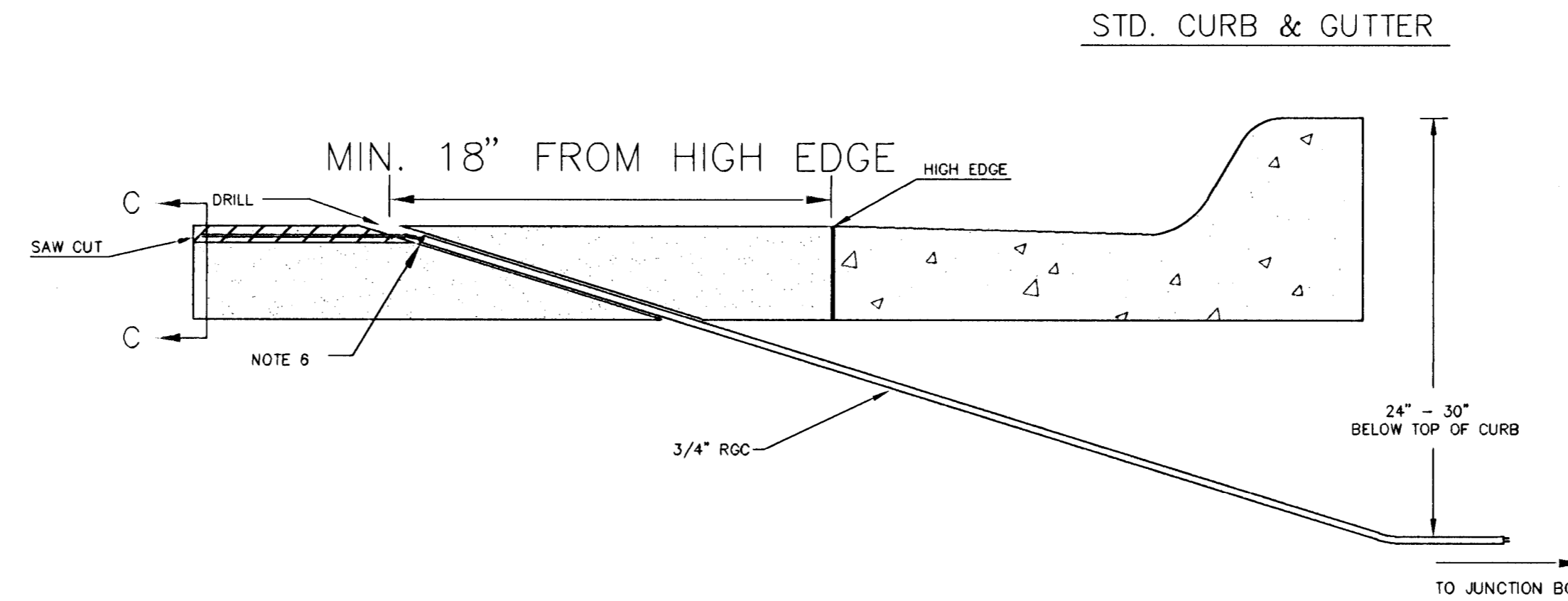
Typical Conventional Loop Installation



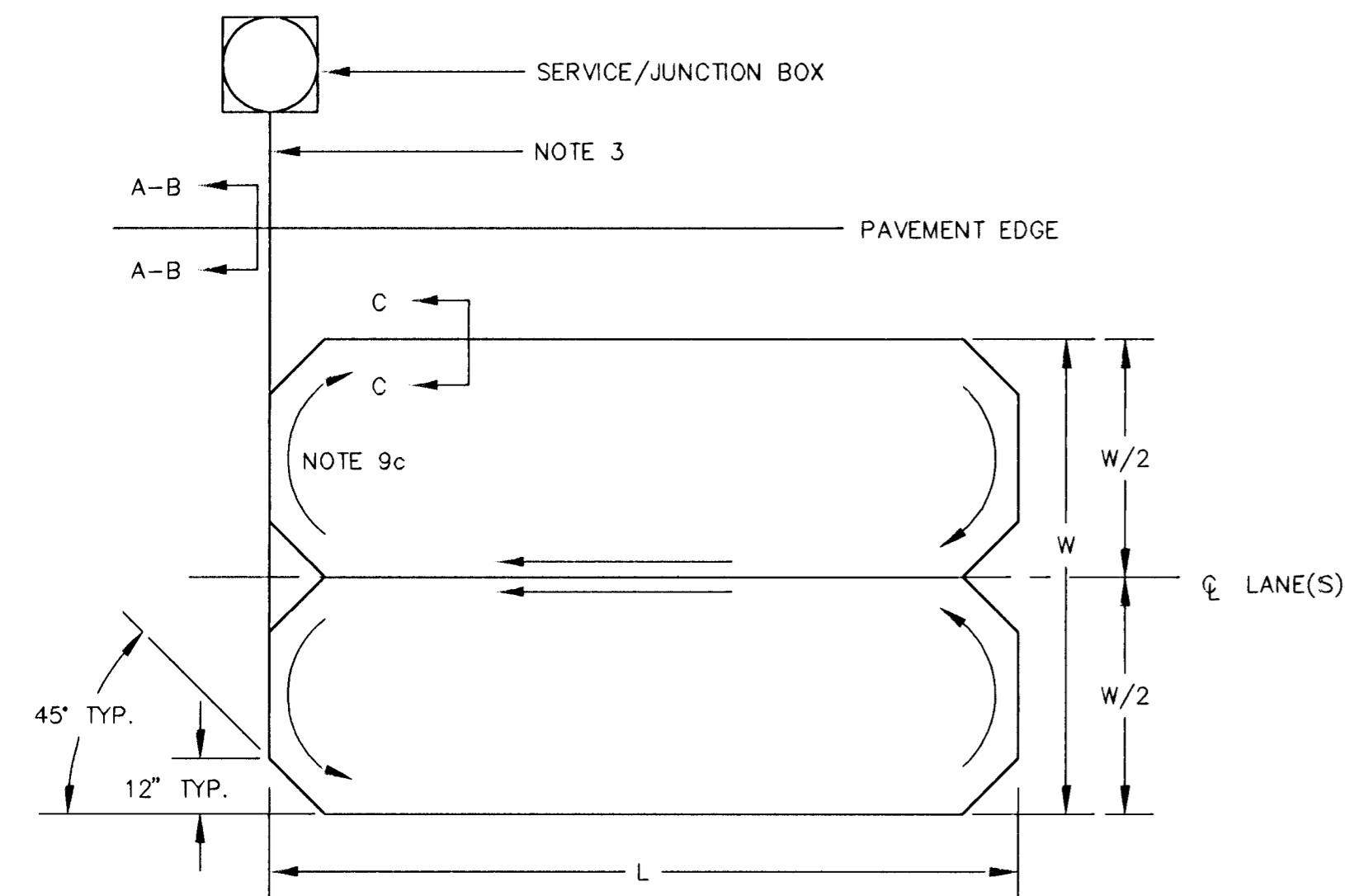
Detail A - No Curb & Gutter



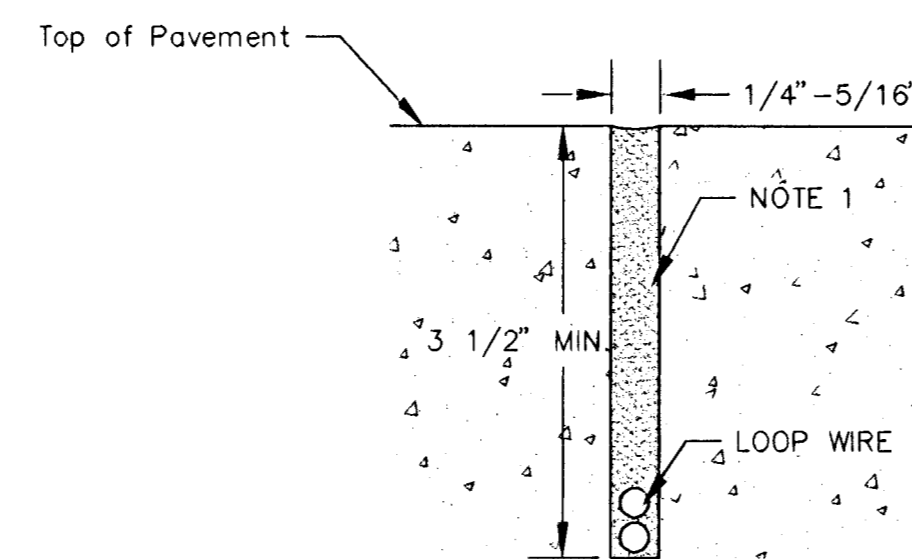
Detail B - Full Curb & Gutter



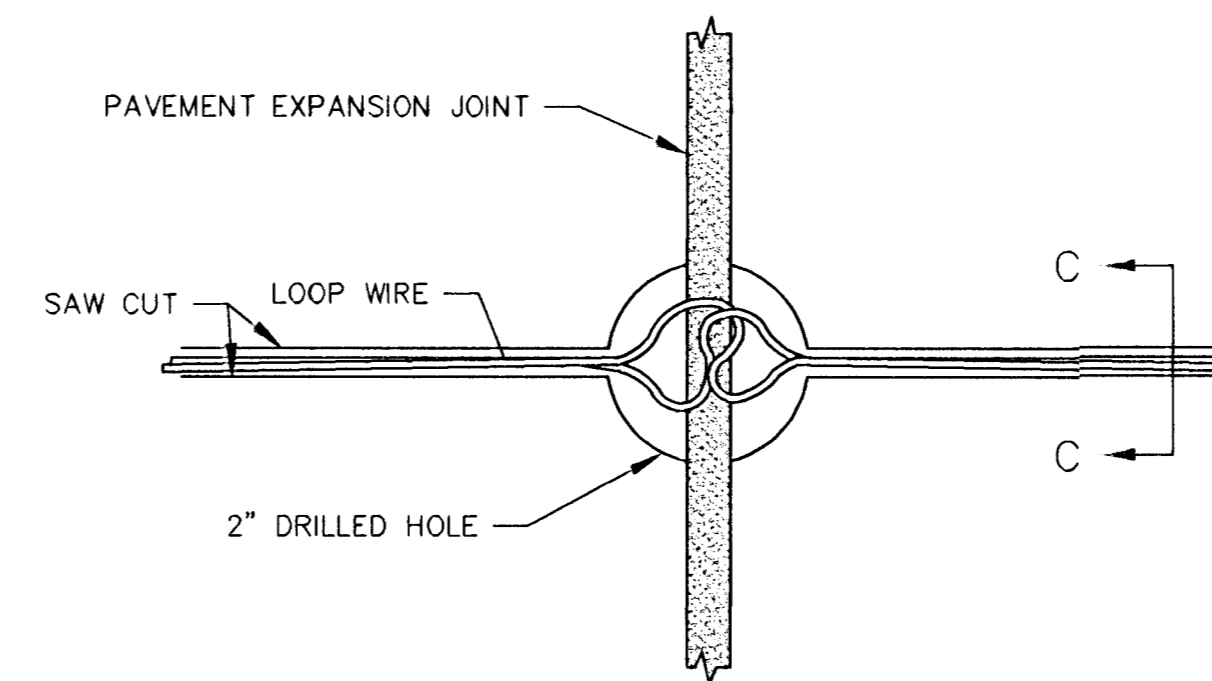
Typical Quadrapole Loop Installation



Detail C - Saw Cut



Detail D - Pavement Joint Crossing



NOTES:

1. Loop saw cut 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 6 turns per meter.
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 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 - 2-4-2 turns.
10. The loop wire shall have 2" slack at all crossings of pavement joints to allow for expansion/contraction of pavement. - Detail D'

REV. DATE	COMMENTS	INT

PROJECT DESCRIPTION	
LOOP DETECTOR CONSTRUCTION/INSTALLATION DETAILS	
PROJECT NUMBER 472-82858	
DRAWN BY: T.M.	APPROVED BY: DATE: JULY 96
SCALE: NO SCALE	REVISED:
CITY OF WICHITA	
DEPARTMENT OF PUBLIC WORKS	
TRAFFIC ENGINEERING DIVISION	
WM. G. MCKINLEY TRAFFIC ENGINEER	SHEET 6 OF 7