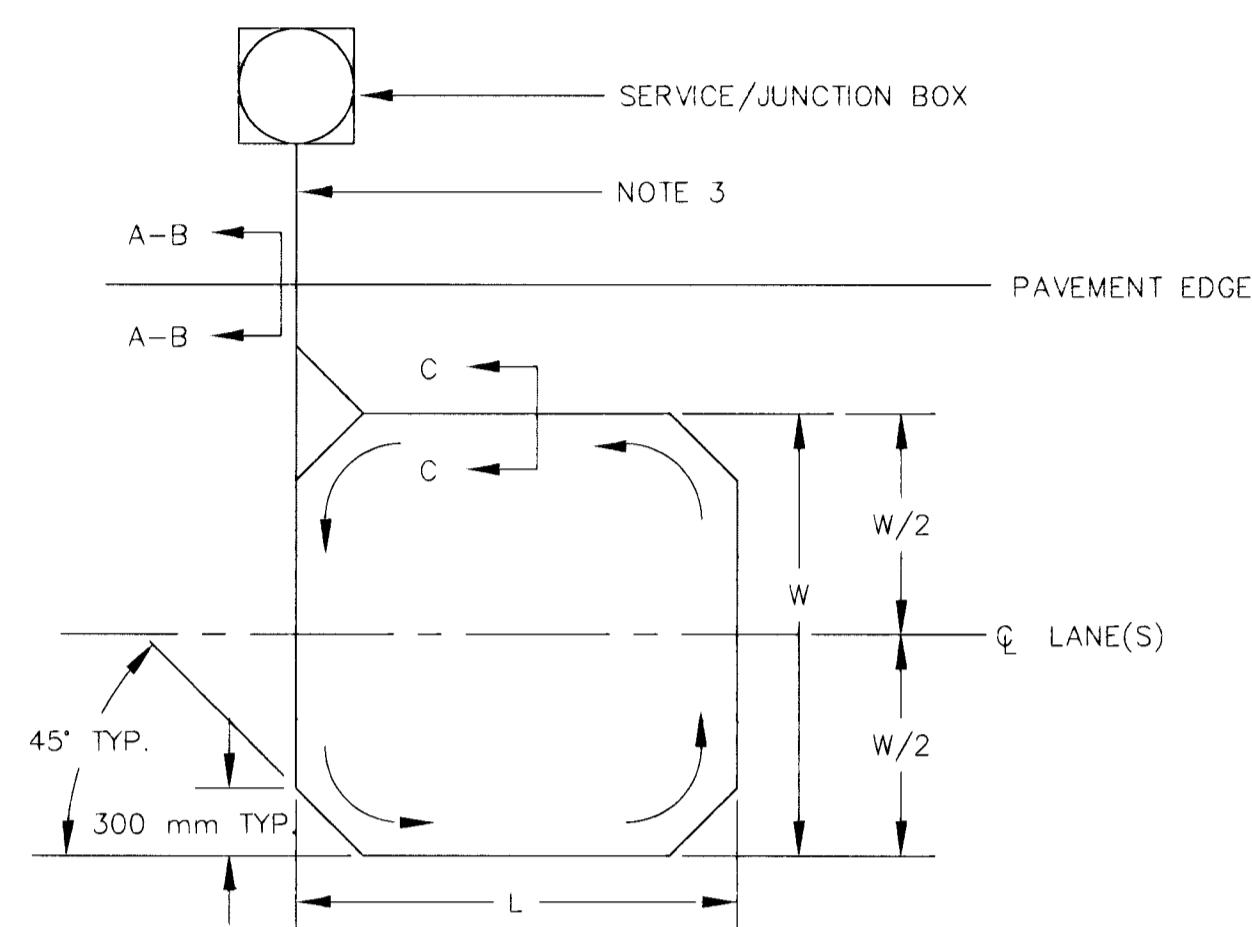


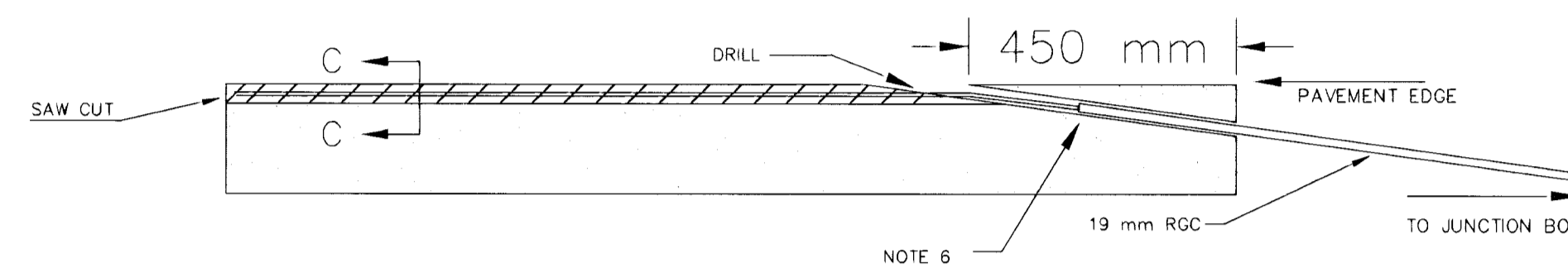
FHWA REGION NO.	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS 87 N-0194-01	2001	26	43

# Loop Construction/Installation Details

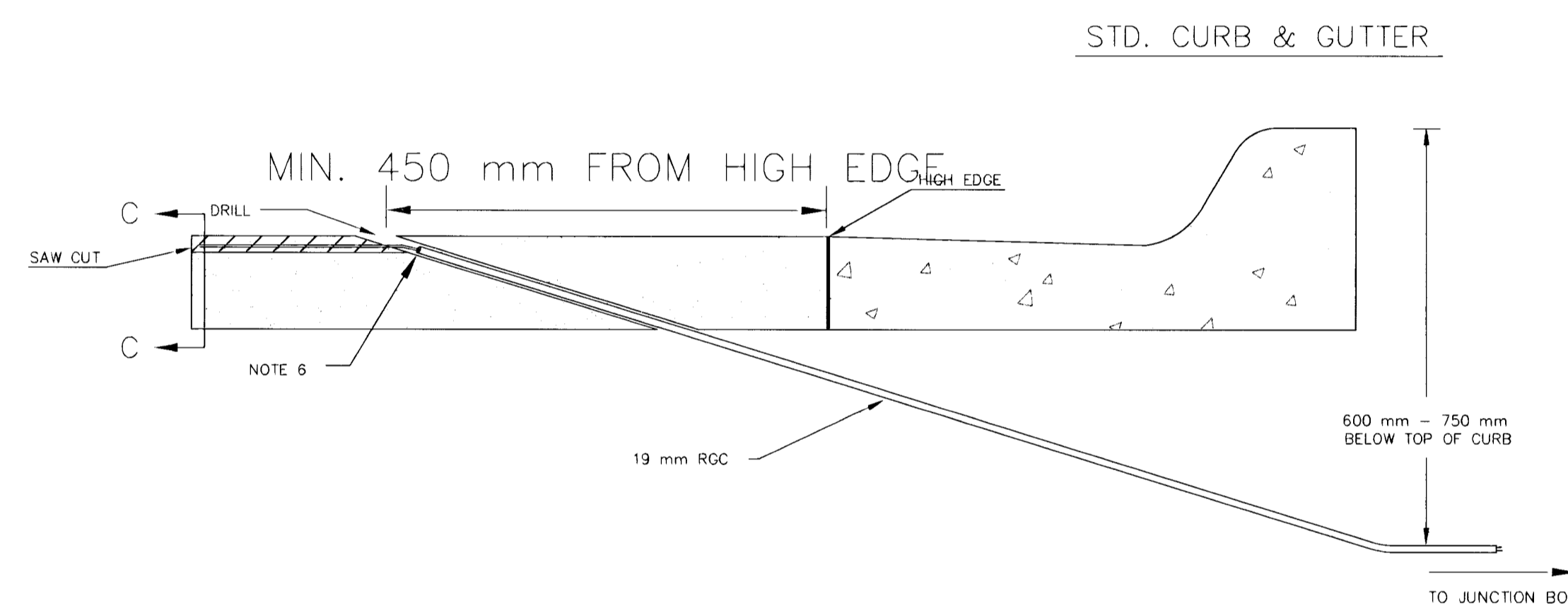
## Typical Conventional Loop Installation



### Detail A - No Curb & Gutter



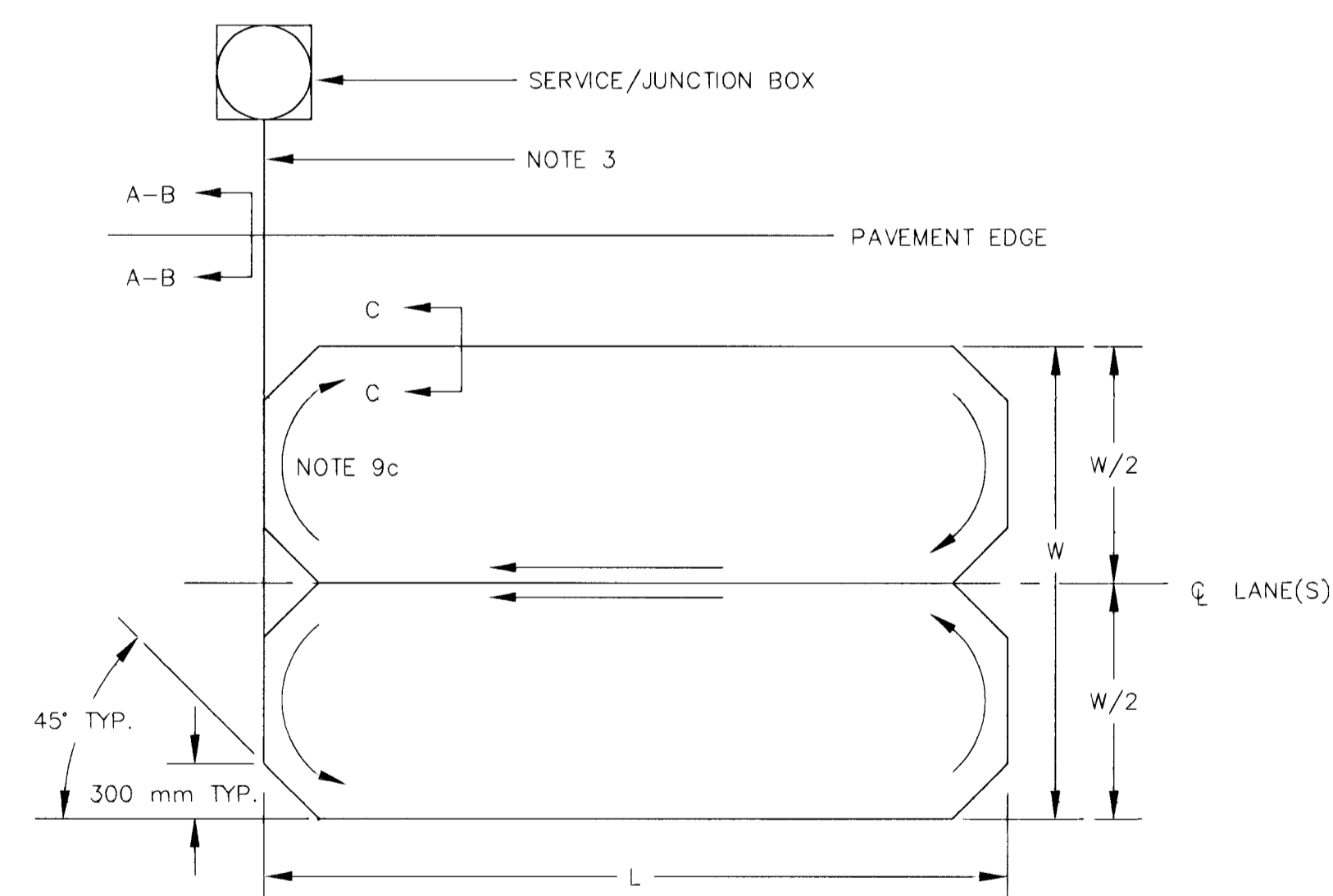
### Detail B - Full Curb & Gutter



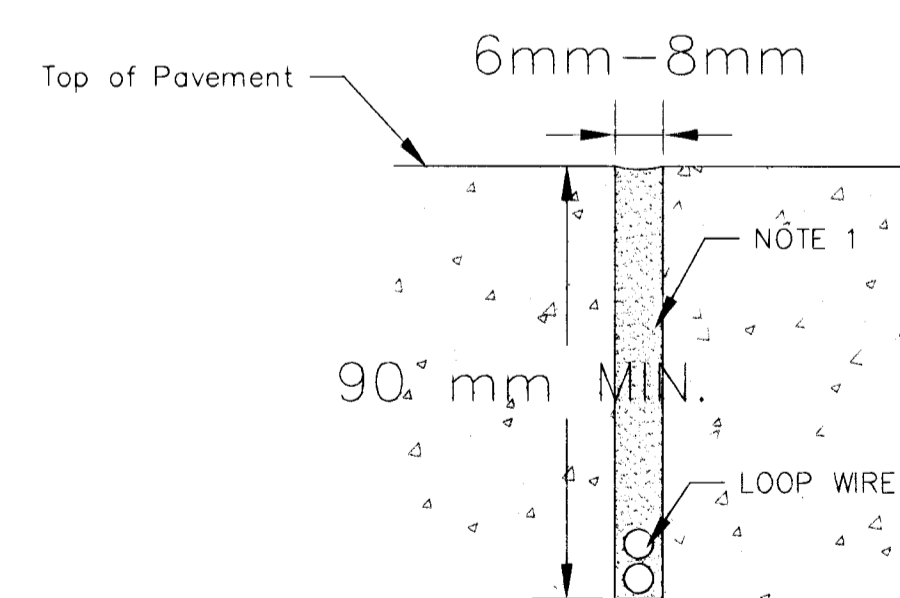
### NOTES:

1. Loop saw cut shall be filled with approved sealant to within 3 mm 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 300 mm from any other loop feeder conduit.
8. Saw cuts running parallel with expansion joint or any other saw cut shall be a minimum of 300mm apart.
9. a. Loops 8 m or less - 4 turns.  
b. Loops over 8 m - 3 turns.  
c. Quadrapole loops - 2-4-2 turns.
10. The loop wire shall have 50 mm slack at all crossings of pavement joints to allow for expansion/contraction of pavement. - Detail D"

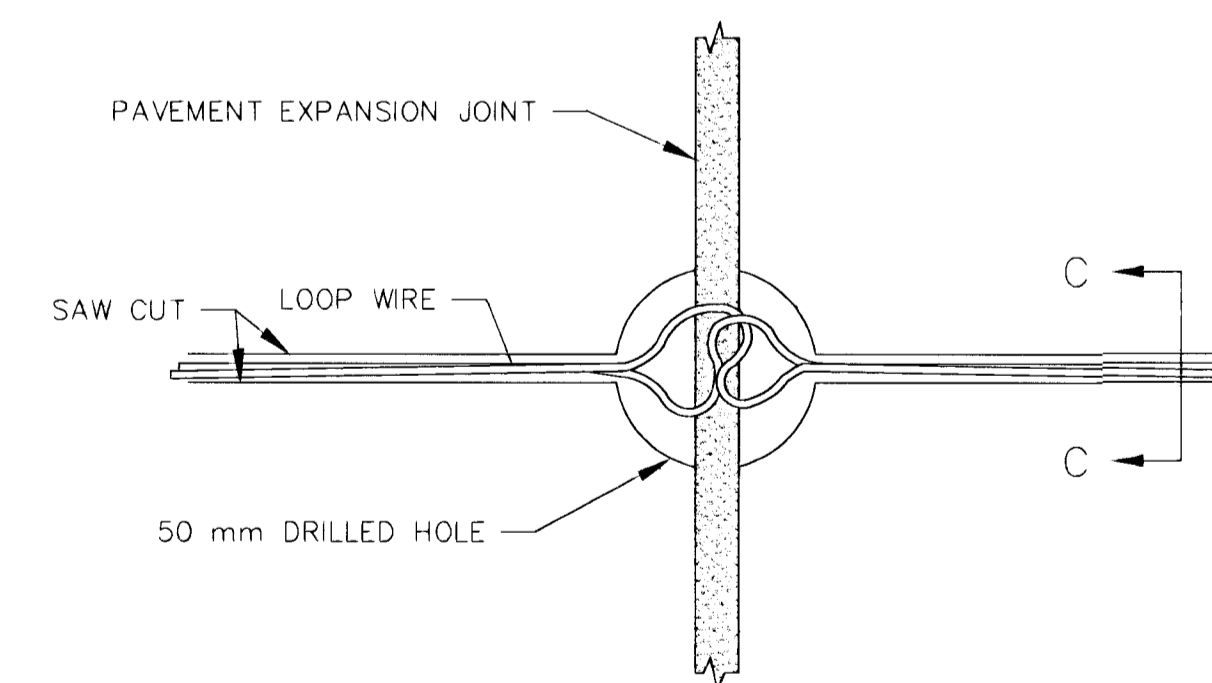
## Typical Quadrapole Loop Installation



### Detail C - Saw Cut



### Detail D - Pavement Joint Crossing



REV. DATE	COMMENTS	INT

PROJECT DESCRIPTION		
<b>LOOP DETECTOR CONSTRUCTION/INSTALLATION DETAILS</b>		
PROJECT NUMBER		
DRAWN BY: T.M.	APPROVED BY:	DATE: JULY 96
SCALE: NO SCALE		REVISED:
<b>CITY OF WICHITA</b>		
<b>DEPARTMENT OF PUBLIC WORKS</b>		
TRAFFIC ENGINEERING DIVISION		SK
K. WOODARD, P.E. TRAFFIC ENGINEER		OF