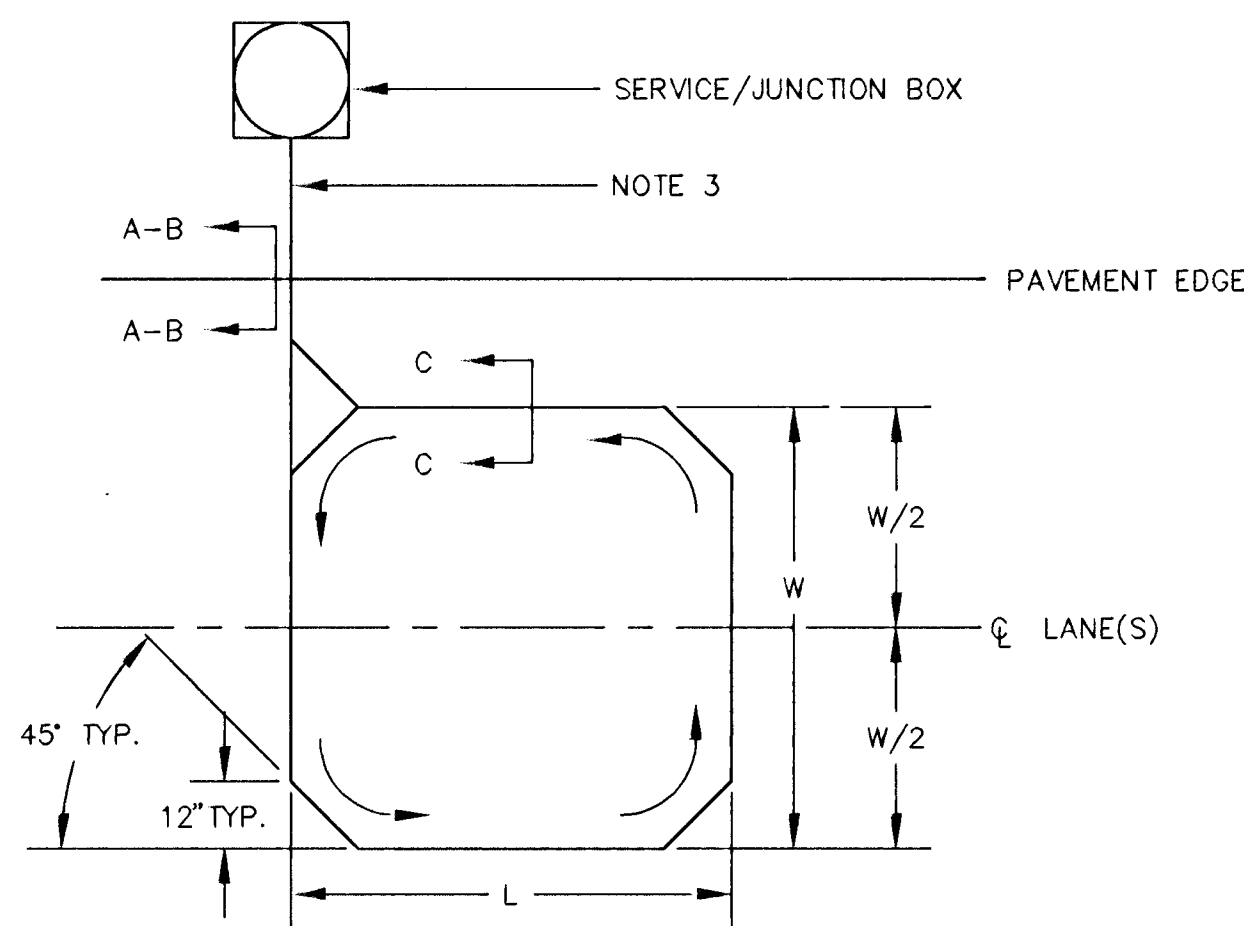


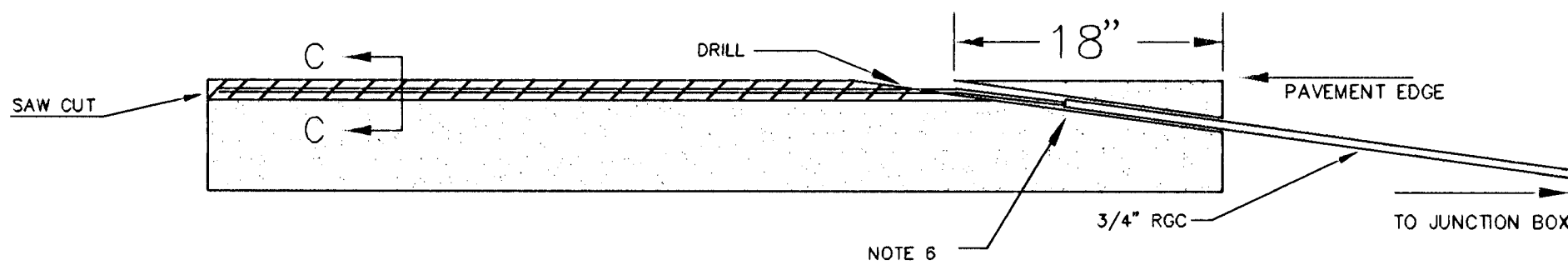
FHWA REGION NO.		PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS				

Loop Construction/Installation Details

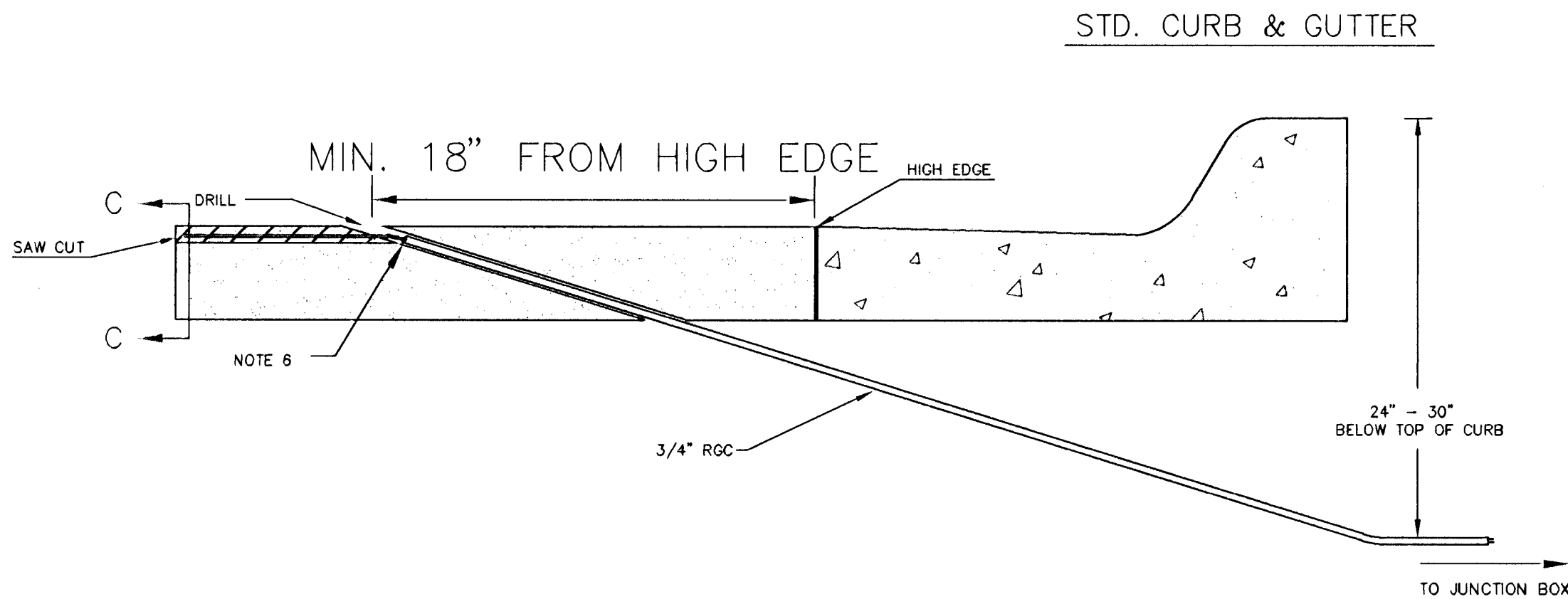
Typical Conventional Loop Installation



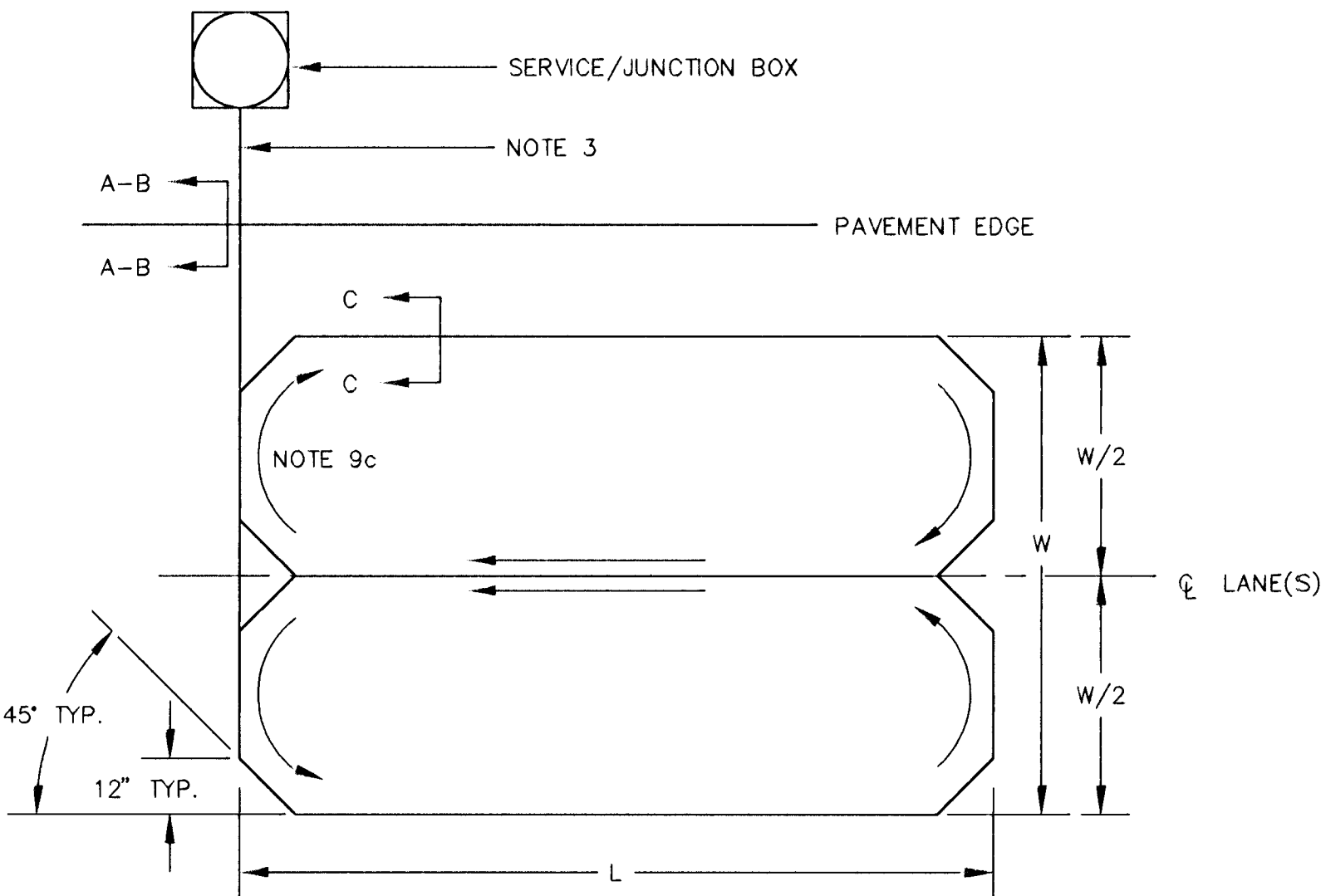
Detail A – No Curb & Gutter



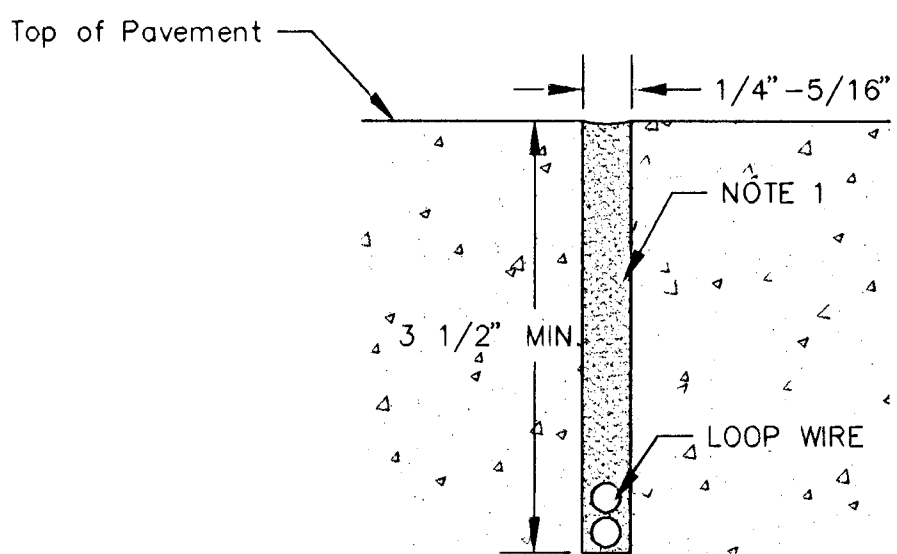
Detail B – Full Curb & Gutter



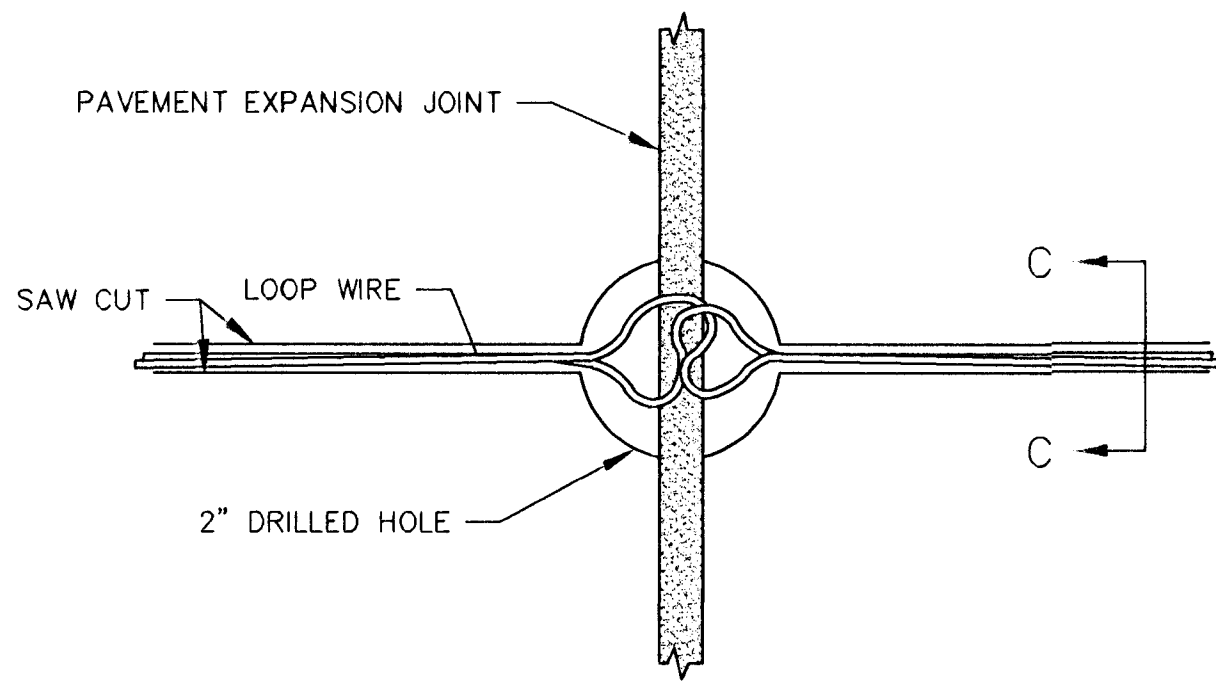
Typical Quadrapole Loop Installation



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 98
SCALE: NO SCALE		REVISED:
CITY OF WICHITA		
DEPARTMENT OF PUBLIC WORKS		
TRAFFIC ENGINEERING DIVISION		
WM. G. MCKINLEY	TRAFFIC ENGINEER	Sht 6 of 7