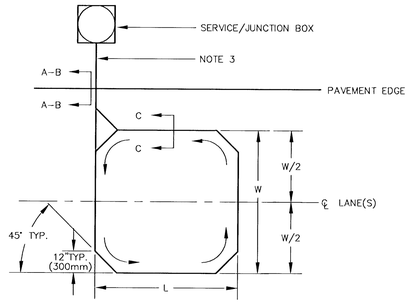
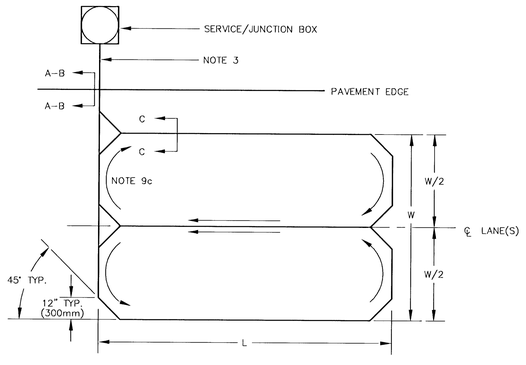
Loop Construction/Installation Details

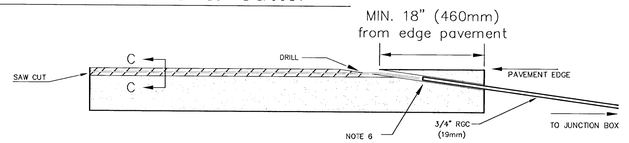
Typical Conventional Loop Installation



Typical Quadrapole Loop Installation

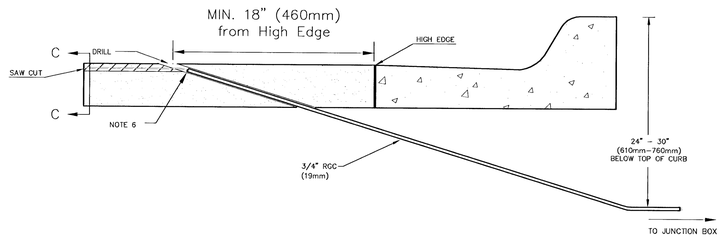


Detail A – No Curb & Gutter

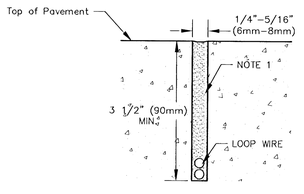


Detail B – Full Curb & Gutter

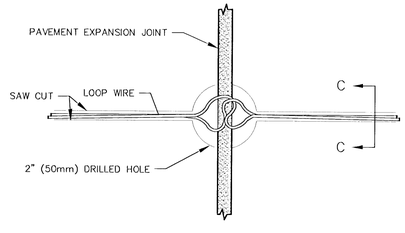
STD. CURB & GUTTER



Detail C – Saw Cut



Detail D – Pavement Joint Crossing



NOTES:

1. Loop saw cut shall be filled with approved sealant to within 1/8" (4mm) 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 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" (300mm) 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" (300mm) apart.
9. a. Loops 25' (7.6m) or less – 4 turns.
   b. Loops over 25' (7.6m) – 3 turns.
   c. Quadrapole loops – 2–4–2 turns.
10. The loop wire shall have 2" (50mm) slack at all crossings of pavement joints to allow for expansion/contration of pavement. – Detail D"

REV. DATE	COMMENTS	INT

PROJECT NUMBER	SHEET NAME	ENGINEERING DIRECTORY
472-76-245-83452	LOOP-DTL	F:\Eng\Kwikshop-37th...\detail

DESIGN	DRAWN	APPROVED	DATE	SCALE	BAUGHMAN NO
STAFF	STAFF	JFB	MAY 02	NONE	02 01 E225

LEFT TURN LANE IMPROVEMENT

LOOP DETAIL

37th STREET NORTH BETWEEN MERIDIAN & MOMER

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

SHEET 5 OF 5

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20-30-04