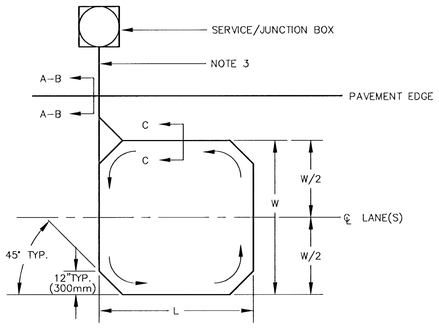
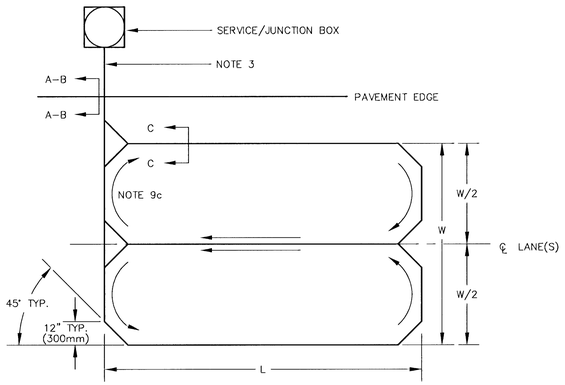
Loop Construction/Installation Details

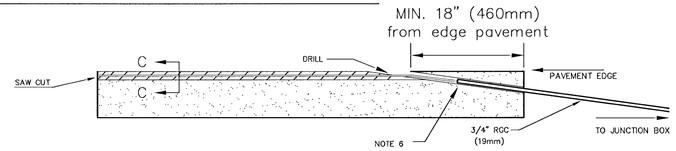
Typical Conventional Loop Installation



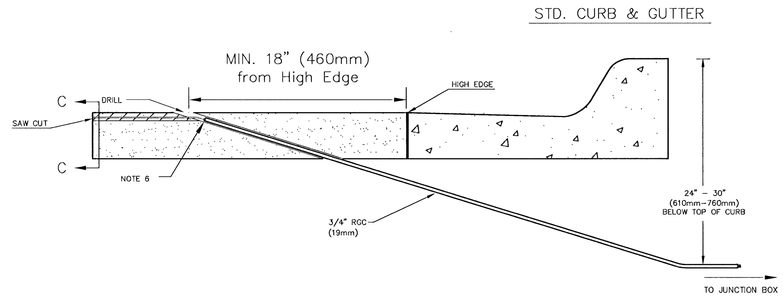
Typical Quadrapole Loop Installation



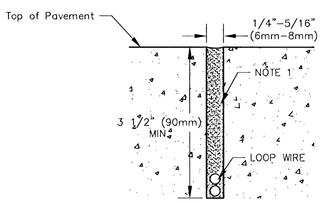
Detail A – No Curb & Gutter



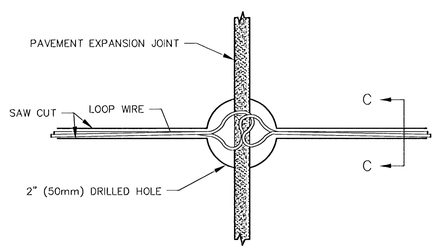
Detail B – Full Curb & Gutter



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
472-83370	LOOP-DTL	F:\\Kelog_gr\Traffic

DESIGN	DRAWN	APPROVED	DATE	SCALE	BAUGHMAN NO
STAFF	STAFF	STAFF	APRIL 01	NONE	01 06 E045

ONE KELLOGG PLACE SECOND ADDITION

LOOP DETAIL

GREENWICH ROAD IMPROVEMENTS

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

SHEET 19 OF 43

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