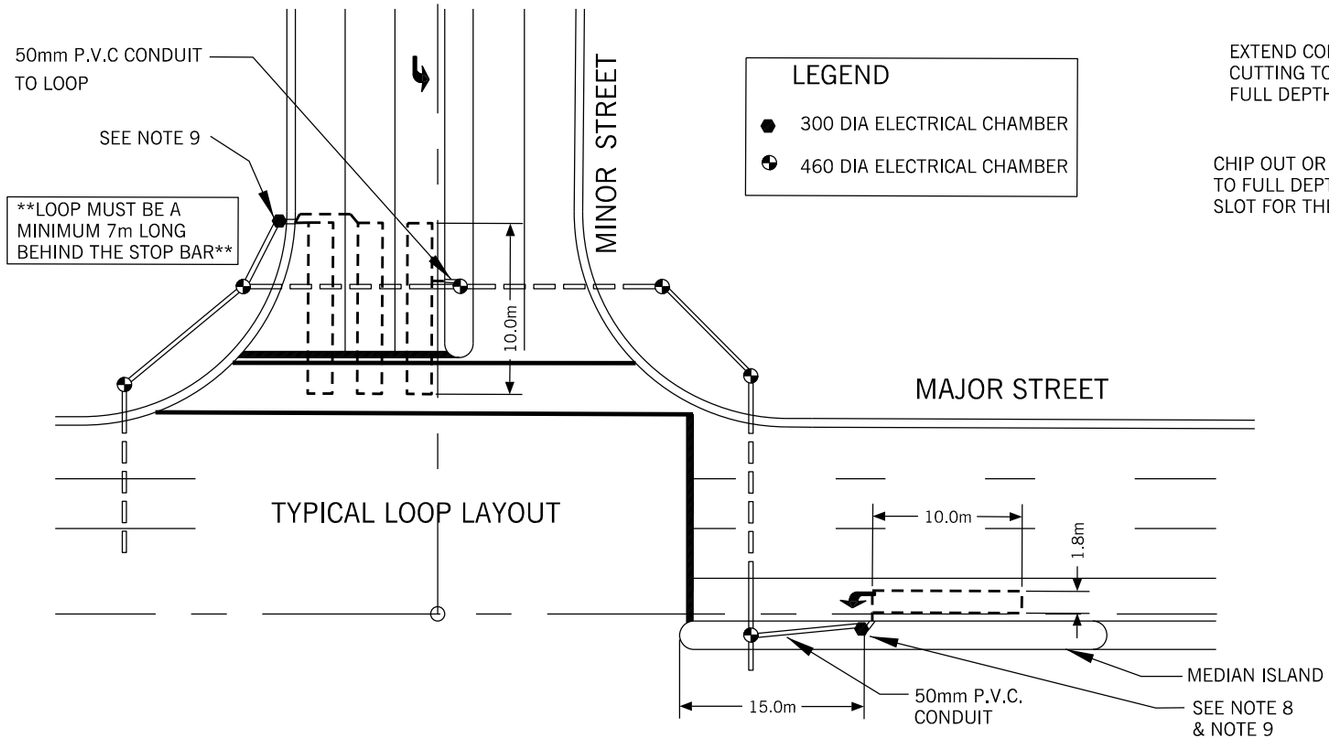
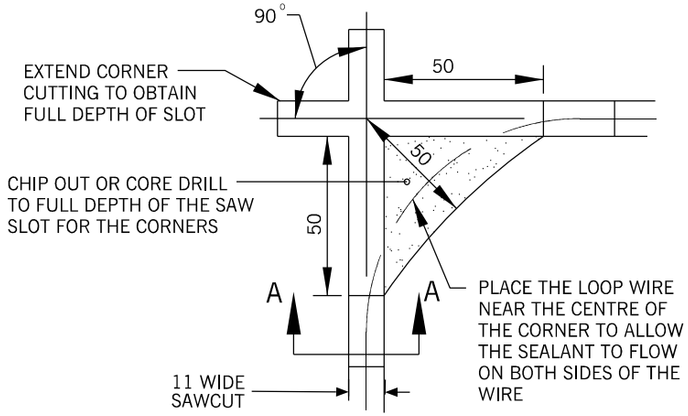
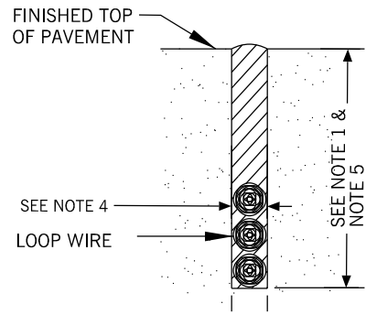


LEGEND

- 300 DIA ELECTRICAL CHAMBER
- 460 DIA ELECTRICAL CHAMBER



DETAIL AT 90° BEND



SECTION A-A

NOTES:

1. WHERE CABLE IS INSTALLED PRIOR TO THE FINISHED COURSE OF ASPHALT, THE MAXIMUM DEPTH OF COVER SHALL BE 100mm.
2. THE LOOP WIRE IS TO BE A #14 GAUGE TYPE RWU 90 (X-LINK) STRANDED COPPER CONDUCTOR OR APPROVED EQUAL.
3. LOOPS SHALL BE 10m X 1.8m AND SHALL BE CENTERED WITHIN THE LANE.
4. THE SLOT WIDTH SHALL BE 11mm.
5. THE MINIMUM SLOT DEPTH SHALL BE 50mm IN ASHPHALT AND 40mm IN CONCRETE.
6. UNDERGROUND CONNECTIONS BETWEEN THE LOOP WIRE AND THE 2/C #14 GUAGE IMSA 50-2 CABLE (LEAD IN CABLE) OR EQUIVALENT SHALL BE A WATERPROOF CONNECTION CONTAINING A MOISTURE RESISTANT GEL (3M DBR6 SPLICE KIT OR APPROVED EQUAL).
7. THE SEALING COMPOUND SHALL BE INSTALLED OVER AND AROUND AND UNDER THE COMPLETED LOOP WIRE SYSTEM, FILLING ALL VOIDS, AND SHALL BE OVER FILLED TO 2mm ABOVE ROADWAY LEVEL. EXCESS SEALANT SHALL BE REMOVED BY MEANS OF A SQUEEGEE.
8. IN A SITUATION WHERE THE MEDIAN ISLAND IS SHORTER THAN THE RECOMMENDED POSITION OF THE ADVANCE LOOP ELECTRICAL CHAMBER, THE NEW LOCATION SHALL BE SHOWN ON THE CONTRACT DRAWINGS OR SHALL BE APPROVED BY THE CONTRACT ADMINISTRATOR.
9. 300mm DIA LOOP ELECTRICAL CHAMBERS SHALL BE BUILT AS CLOSE AS POSSIBLE TO THE CURB ADJACENT TO THE LOOP FOR EASE OF ROCK DRILLING FOR THE CONNECTION BETWEEN THE LOOP AND ELECTRICAL CHAMBER LEAD IN CABLE.
10. EVERY LOOP SHALL BE WOUND SEPERATELY THREE (3) TIMES AND PROVIDED AN INDIVIDUAL LOOP WIRE TO BE AN ACCESIBLE TERMINAL FACILITY SO THAT THE SPECIFIC LOOPS MAY BE READILY PARALLELED, SERIALIZED OR DROPPED FROM THE SYSTEM ENTIRELY.
11. EACH AND EVERY LOOP SHALL BE TAGGED TO INDICATE BOTH LOOP ORIGIN.
12. EVERY LOOP SHALL BE WOUND IN THE SAME DIRECTION.
13. THE SEALANT SHALL BE PURE HOT TAR USED AS PER MANUFACTURER'S RECOMMENDATIONS OR APPROVED EQUAL.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

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N.T.S

APPROVED: APRIL 2014

ORIGINAL: APRIL 2014

TRAFFIC SIGNALS
TYPICAL LOOP DETECTION
LAYOUT AND DETAILS

TRAFFIC DETAILS - SERIES 400

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