REVISED

4/1/98

## PROCEDURE FOR MAKING LOOP SPLICES

1. BARE WIRE ENDS TO BE SPLICED WITH INSULATED BUTT SPLICE
2. RUBBER TAPE EACH SPLICE ONCE(1).
3. INSTALL WIRES IN SPLICE KIT 3-M SLIC 5 COMMUNICATIONS KIT OR APPROVED EQUIVALENT.

## LOOP DETECTOR NOTES

1. ALL SAWED CHANNELS SHALL BE STRAIGHT AND TO THE DEPTH AND LENGTHS INDICATED OR CALLED FOR BY THE ENGINEER OR DRAWING.
2. CORNER CUTS SHALL BE MADE ON A 45° ANGLE WITH 2" LEGS ON THE LOOP.
3. EACH LOOP SHALL CONSIST OF ONE (1) CONTINUOUS LENGTH OF WIRE RUNNING AROUND THE LOOP FROM AND RETURNING TO THE PULL BOX.
4. THE NUMBER OF TURNS AROUND THE LOOP WILL BE A.O.B.E.
5. THE CONTRACTOR MUST PROVIDE A MANUFACTURER'S CERTIFICATION THAT THE EQUIPMENT FURNISHED WILL OPERATE THE SPECIFIED SIZE OF LOOPS AND LEAD-IN LENGTHS SHOWN.
6. ALL LOOP SEALANT MATERIAL SHALL BE APPROVED BY THE ENGINEER.
7. ALL LOOPS SHALL BE PLACED IN THE BINDER COURSE OF ASPHALT A.O.B.E.

## LOOP CHART

SIZE (6') x_____ = NUMBER OF TURNS OF LOOP WIRE

| LOOP LENGTH | 6' | 8' | 10' | 12' | 14' | 16' | 18' | 20' | 22' | 24' | 26' | 28' | 30' | 35' | 40' | 45' | 50' | 55' | 60' | 65' | & ABOVE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TURNS | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

ALL LOOPS DIRECTLY WIRED TO CONTROLLER, NOTHING IN PARALLEL.