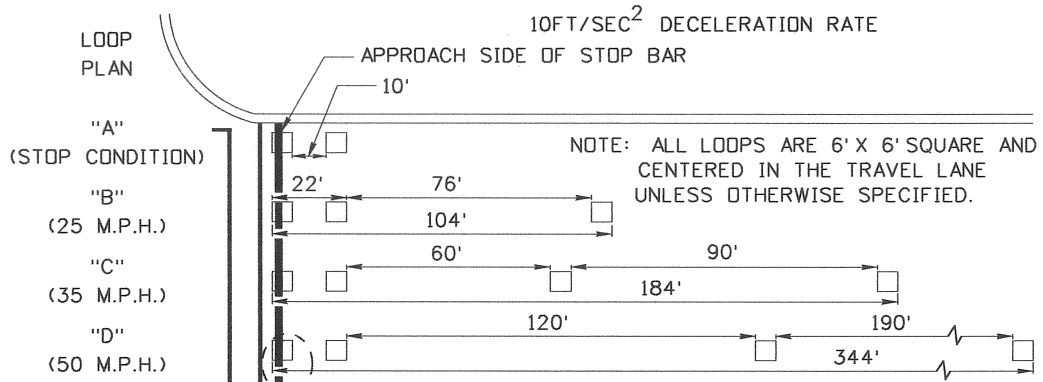


POSITION

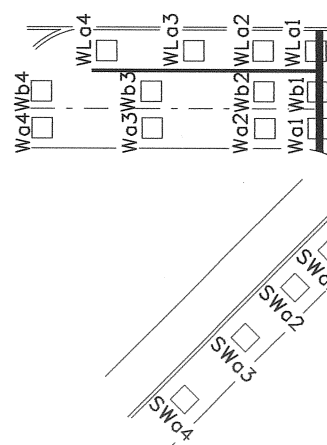
- MAGNETIC ORIENTATION OF APPROACHING TRAVEL LANE.
N = NORTH, S = SOUTH, ETC.
- VEHICULAR MOVEMENT IN TRAVEL LANE: L = LEFT TURN; R = RIGHT TURN; NO ENTRY = THROUGH
- LANE DESIGNATION FOR EACH MOVEMENT: a-z IN ASCENDING ORDER, a BEING NEAREST THE CURB OR EDGE OF PAVEMENT.

Na4
Na3
Na2
Na1

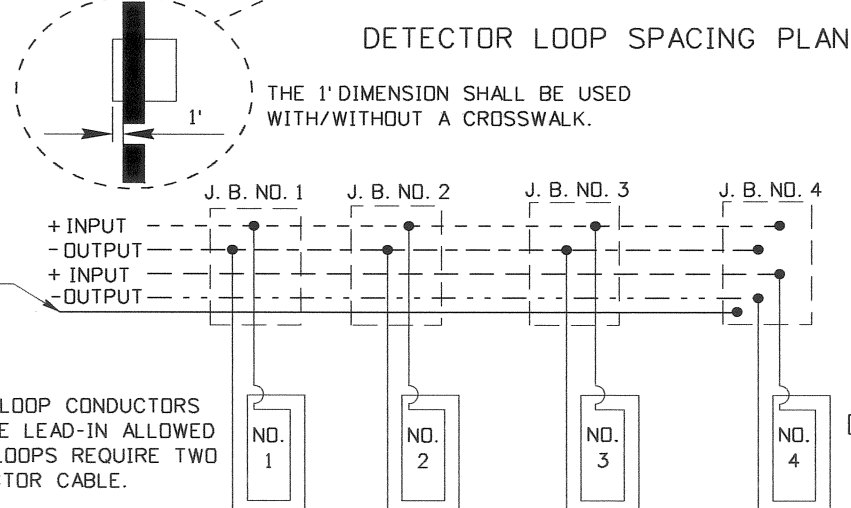
- LOOP NUMBER IN EACH TRAVEL LANE: 1 - 4 IN ASCENDING ORDER, 1 BEING THE LOOP NEAREST THE STOP BAR.
- LOOP NUMBERING PROCEDURE EXAMPLE
- | | | | |
|---|---|---|---|
| W | L | a | 3 |
| 1 | 2 | 3 | 4 |



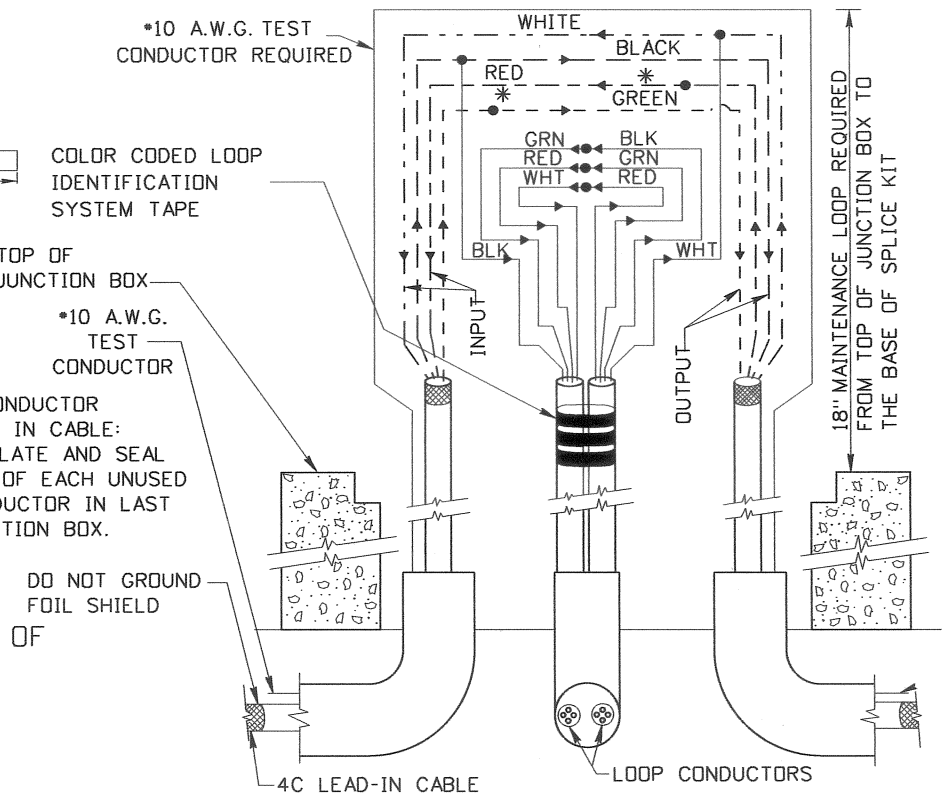
- NOTES:**
- ALL CONDUCTOR SPLICES SHALL BE SOLDERED AND WATERPROOFED WITH AN APPROVED SPLICE KIT.
 - THE FOIL SHIELD SHALL BE INSULATED TO PREVENT GROUNDING AT THE JUNCTION BOX.
 - * SPLICE DUAL PURPOSE LOOPS TO THE RED AND GREEN CONDUCTORS.



LOOP NUMBERING SYSTEM

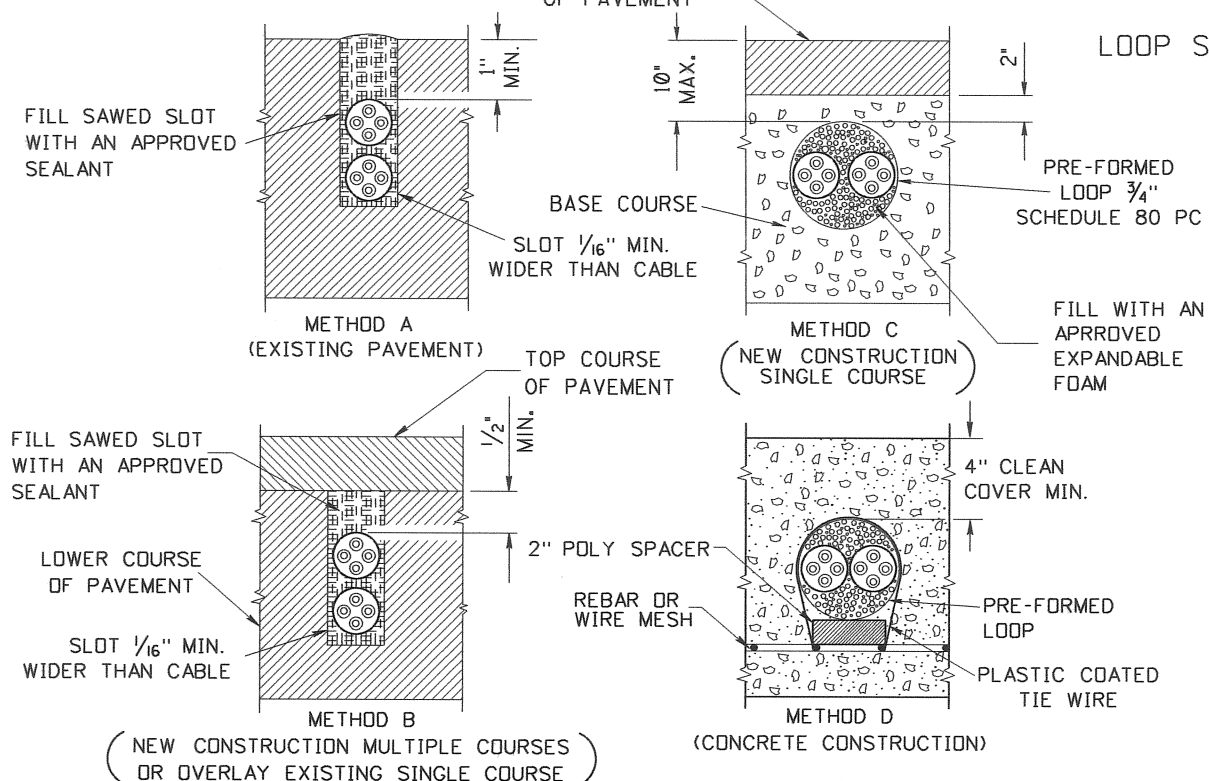


DETECTOR LOOP SPACING PLAN



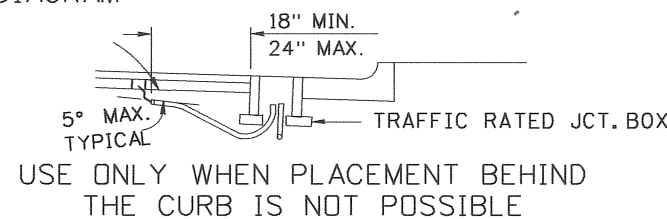
LOOP SPICE DETAIL AT JUNCTION BOX

LOOP SYSTEM AND JUNCTION BOX WIRING DIAGRAM



LOOP CONDUCTOR INSTALLATION

- NOTES:**
- METHOD "C" MAY BE USED ONLY WITH PRE-FORMED LOOPS.
 - HYDRO CLEAN AND AIR DRY SLOTS AFTER CUTTING AND PRIOR TO CABLE INSTALLATION.
 - BED LOOP CONDUCTORS IN SEALANT FOR TOTAL ENCAPSULATION.
 - SEAT LOOP CONDUCTORS IN SLOT WITH A BLUNT INSTRUMENT.

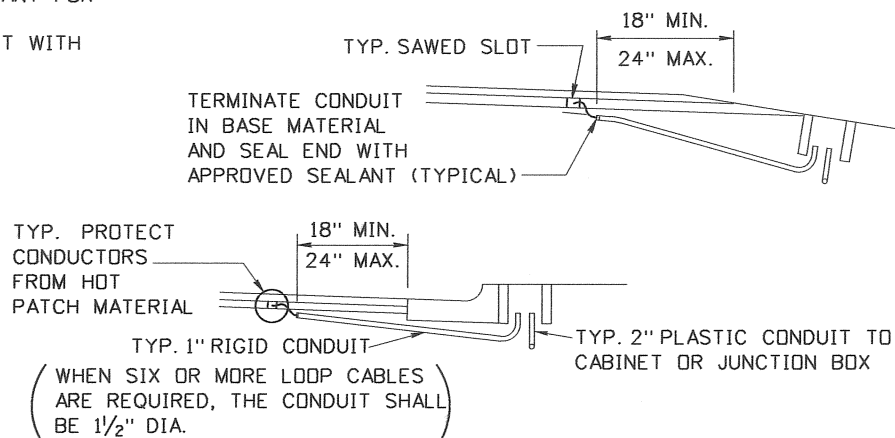


LANE NO.	TAPE COLOR
1	BLACK
2	WHITE
3	RED
4	GREEN
5	ORANGE
6	BLUE

IN ASCENDING ORDER - BLACK SHALL BE USED FOR THE LANE NEAREST THE CURB OR EDGE OF PAVEMENT.

EXAMPLE:
CONDUCTORS FOR LOOP 1 LANE 1 REQUIRE 1 BAND OF BLACK TAPE.
CONDUCTORS FOR LOOP 3 LANE 4 REQUIRE 3 BANDS OF GREEN TAPE.

COLOR CODED LOOP IDENTIFICATION SYSTEM



JUNCTION BOX AND CONDUIT LOCATION

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	12-93	HEB	6	08-08	NQB			
2	12-94	HEB	7	07-10	HEB			
3	03-96	HEB						
4	07-03	HEB						
5	08-06	HEB						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: i5_0710.std

DRAWING DATE: DECEMBER, 1994

IDAHO TRANSPORTATION DEPARTMENT



Thomas
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

CHIEF ENGINEER

BOISE IDAHO

STANDARD DRAWING

LOOP DETECTORS
10FT/SEC² DECELERATION RATE

English

STANDARD DRAWING NO.

I-5

SHEET 1 OF 1

