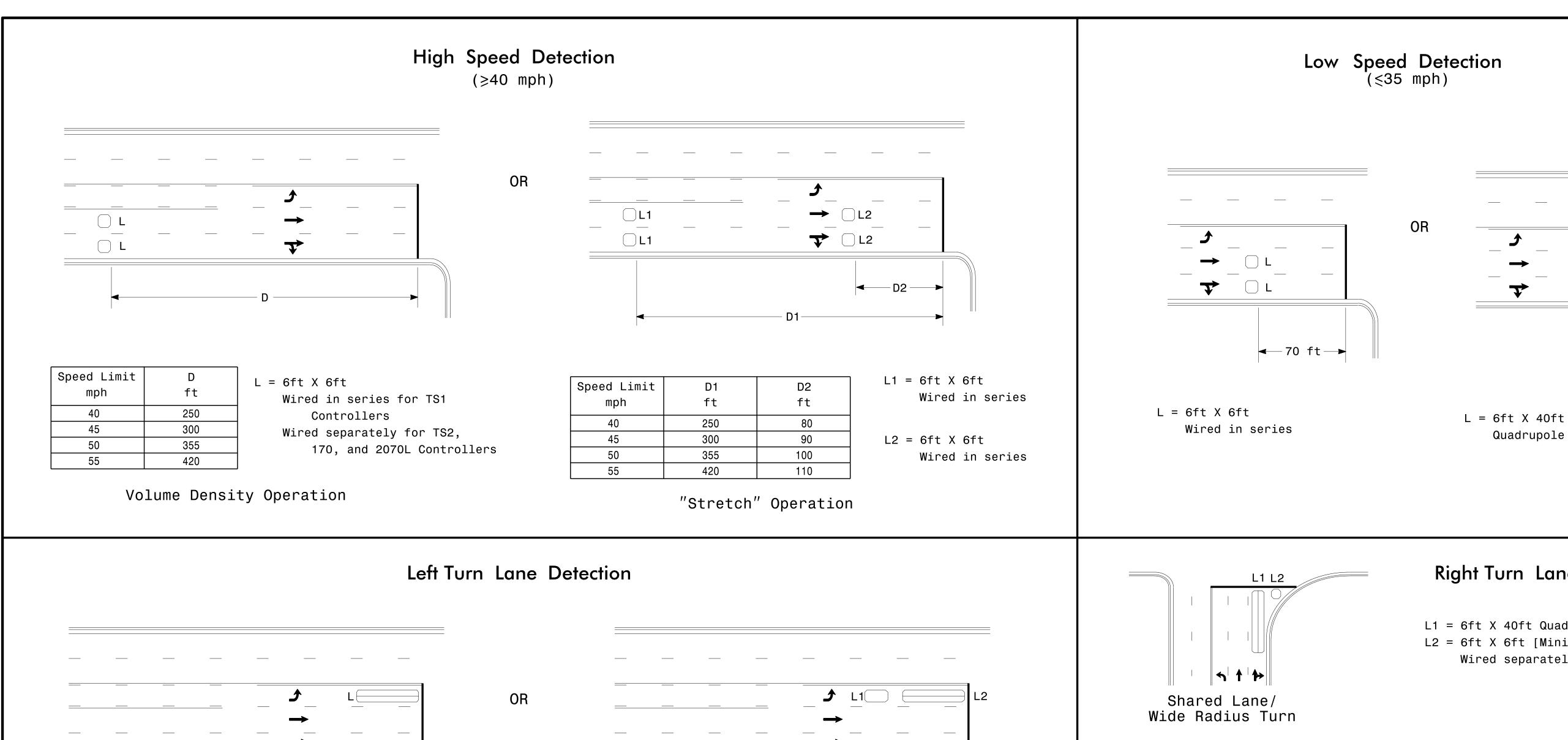
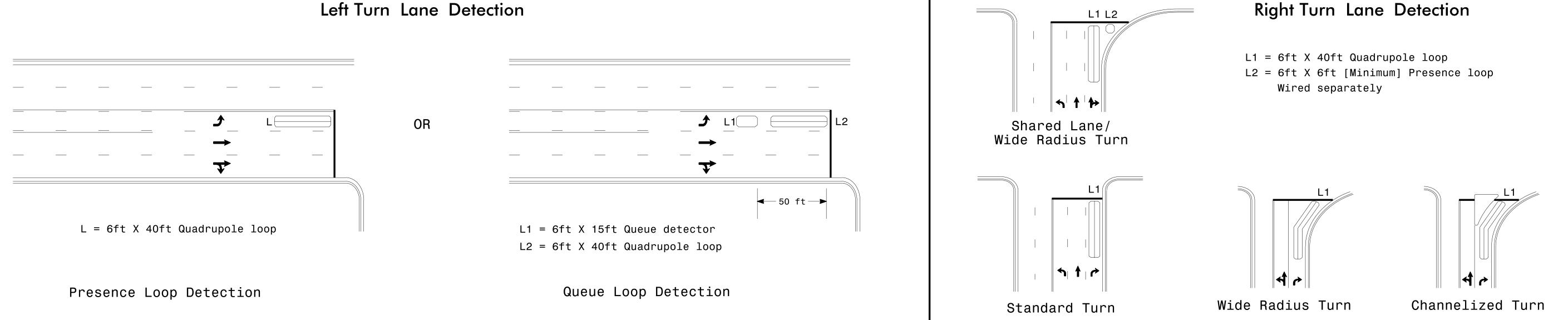
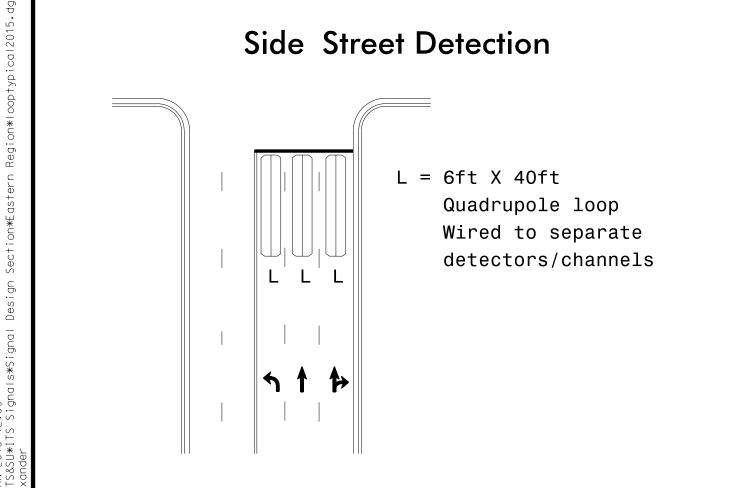
# This electronic collection of documents is provided for the convenience of the user and is Not a Certified Document –

The documents contained herein were originally issued and sealed by the individuals whose names and license numbers appear on each page, on the dates appearing with their signature on that page.

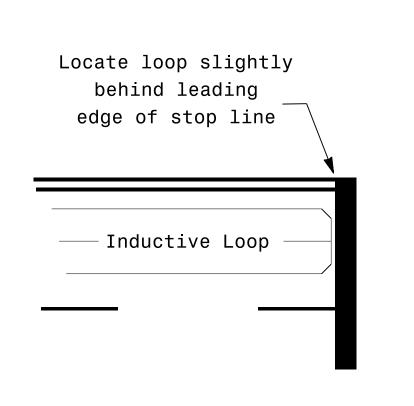
This file or an individual page shall not be considered a certified document.







# Presence Loop Placement at Stop Lines



## Note:

Loop may be located in advance of stop line under any of the following conditions:

- 1) stop line is greater than 15' from edge of intersecting roadway
- 2) loop detects a permissive or protected/permissive left turn
- 3) for an exclusive right turn lane

# Recommended Number of Turns

Single 6' X 6' loop (when wired separately):

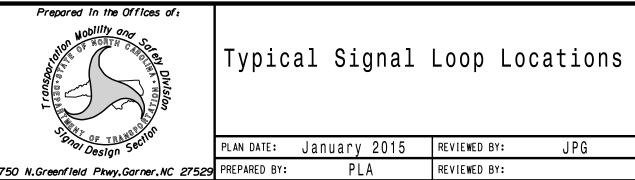
ich wired Separatery).					
Length of Lead-in ft	Number of Turns				
< 250	3				
250-375	4				
375-525	5				
> 525	6				

SCALE

N/A

Quadrupole loops: Use 2-4-2 turns

6' X 15' Loops: Lead-in < 150', use 2 turns Lead-in > 150', use 3 turns



REVIEWED BY: PLA REVISIONS INIT. DATE

PL Alexander

PROJECT REFERENCE NO.

I-5854

Quadrupole loop, wired separately

SIG-1

DI DI STATE OF
NORTH CAROLINA
I. OF TRANSPORTATION
VISION OF HIGHWAYS
RALEIGH, N.C.

# Ш CU ENGL H HS DUC

Ш

# **TANDARD** Ш DRAW ING EC FOR 9

(FOR 9 .ING) 0 **P** 

SHEET 1 OF 1

# NOTES

- -OVERLAP SAW CUTS AT CORNERS AND INTERSECTION POINTS TO ENSURE UNIFORM SAW SLOT DEPTH.
- -MAINTAIN 12" SPACING BETWEEN LOOP WIRE TAIL SECTIONS.
- -WIRE LOOPS CONNECTED TO THE SAME DETECTOR IN SERIES.
- -LOCATE LOOPS IN CENTER OF LANES UNLESS OTHERWISE SHOWN ON PLANS.
- -USE A SERIES OF ONE INCH PIECES OF BACKER ROD SPACED ONE FOOT APART ALONG THE ENTIRE LENGTH OF THE FEEDER SLOT AND LOOP SAW SLOT.
- -CONSULT LOOP SEALANT MANUFACTURER TO DETERMINE CURING TIME REQUIRED PRIOR TO MILLING.
- -REFER TO STANDARD DRAWING 1725.01 SHEETS 2 AND 3 FOR ADDITIONAL REQUIREMENTS.

# SAW SLOT DEPTH CHART ASSUMING 2" MILLING DEPTH

DEPTH (IN)	MAX NO. OF WIRE LAYERS					
	2	3	4	5	6	
SAW SLOT DEPTH	4.0	4.5	5.0	5.0	5.0	
MINIMUM TOTAL ASPHALT DEPTH REQUIRED	5.0	5.5	6.0	6.0	6.0	

LOOP WIRE TWISTING METHOD

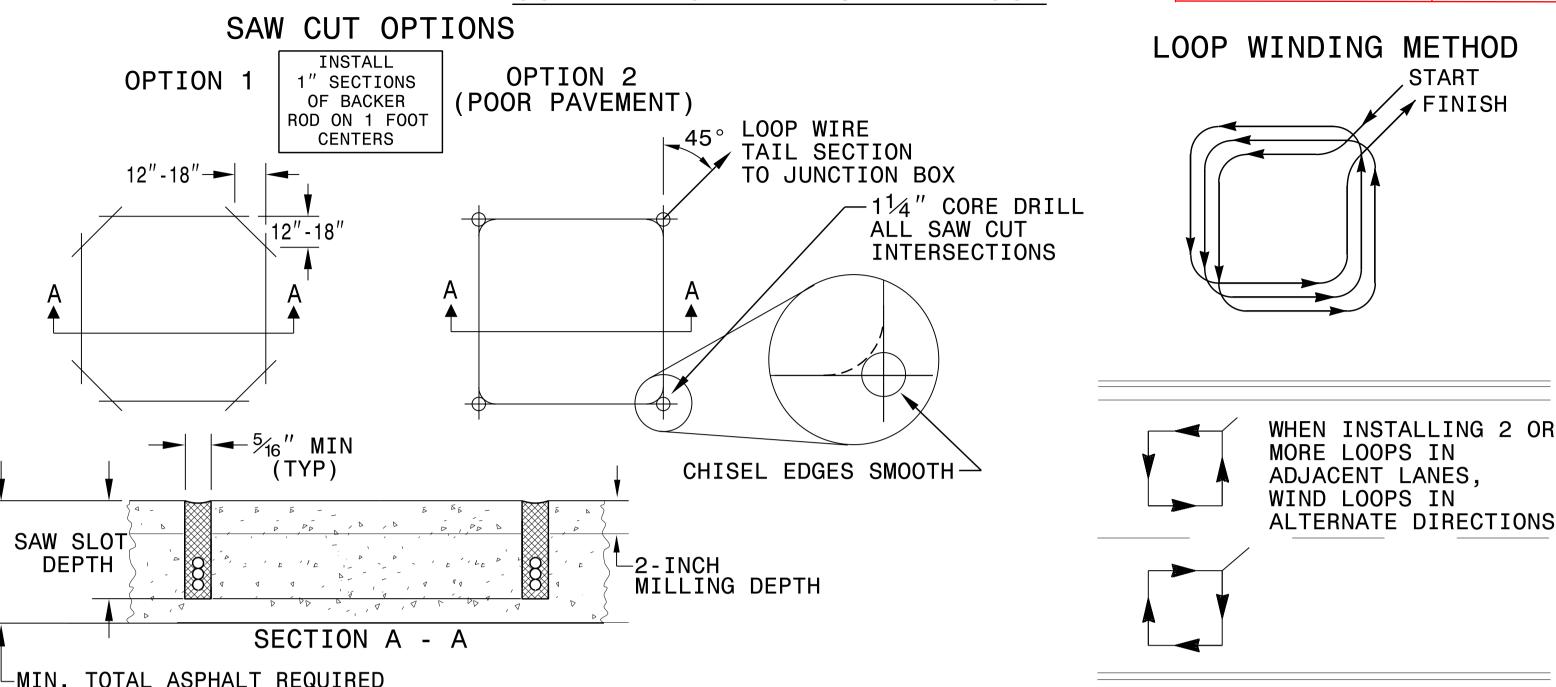
INCORRECT WAY TO TWIST WIRE



CORRECT WAY TO TWIST WIRE

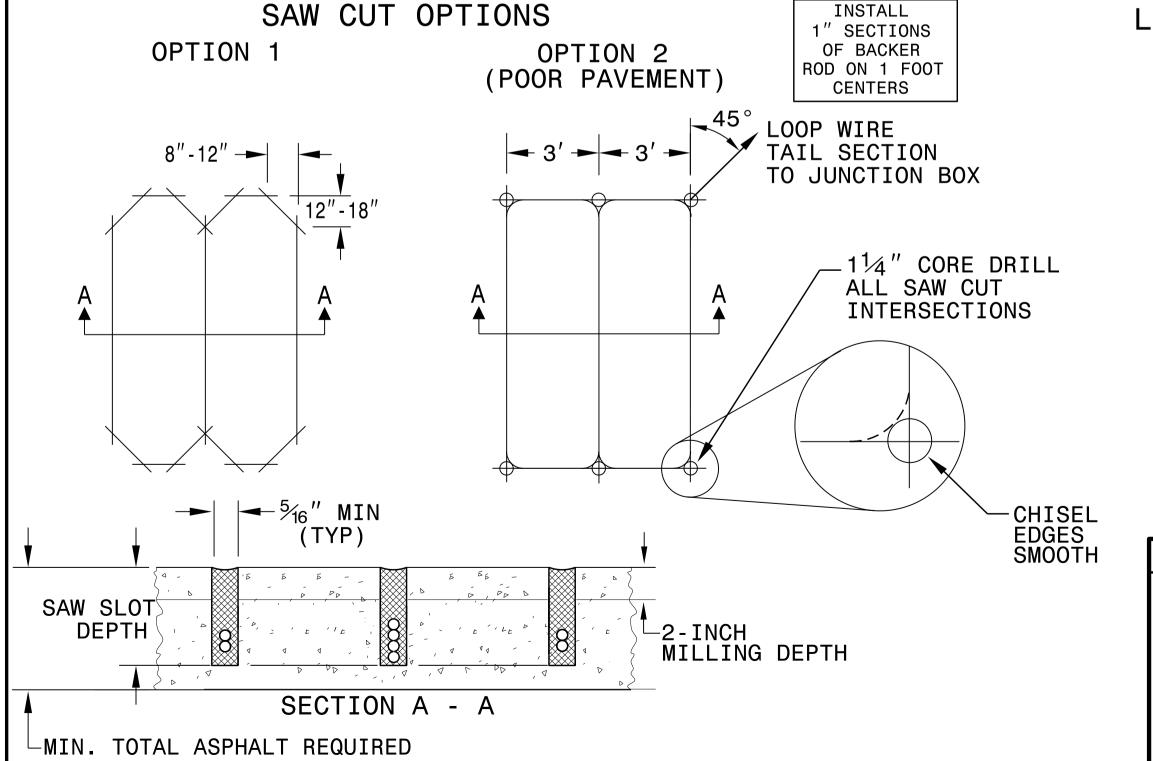


# CONVENTIONAL 4-SIDED LOOP





INSTALL

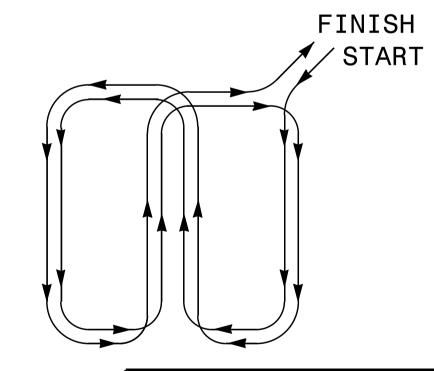


# LOOP WINDING METHOD

PROJECT REFERENCE No. | SHEET No.

I-5854

SIG-2



# **REVISIONS** I. REMOVED TWISTING NOTES FROM TAIL SECT. TO JUNCTION BOX. 2/26/08 MWH 2. REVISED SECTION A - A DETAILS.

SEAL Prepared in the Offices of: 016286 Milton I. Dean 750 N.Greenfield Pkwy.Garner.NC 27529 7/1/2015

6/29/I5 JTP

SHEET 1 OF 1

DEE

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

00

Ш́Н

DE

Ш

200

IND

FOR

DRAWING

STANDARD

ISH

ENGL

ING)

IOR

**\_** 

**LLATION** 

INSTA

FOR