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

## П Ш CUT ENGL HSI H DUC

(FOR **TANDARD** Ш DRAW ING EC FOR 9

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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

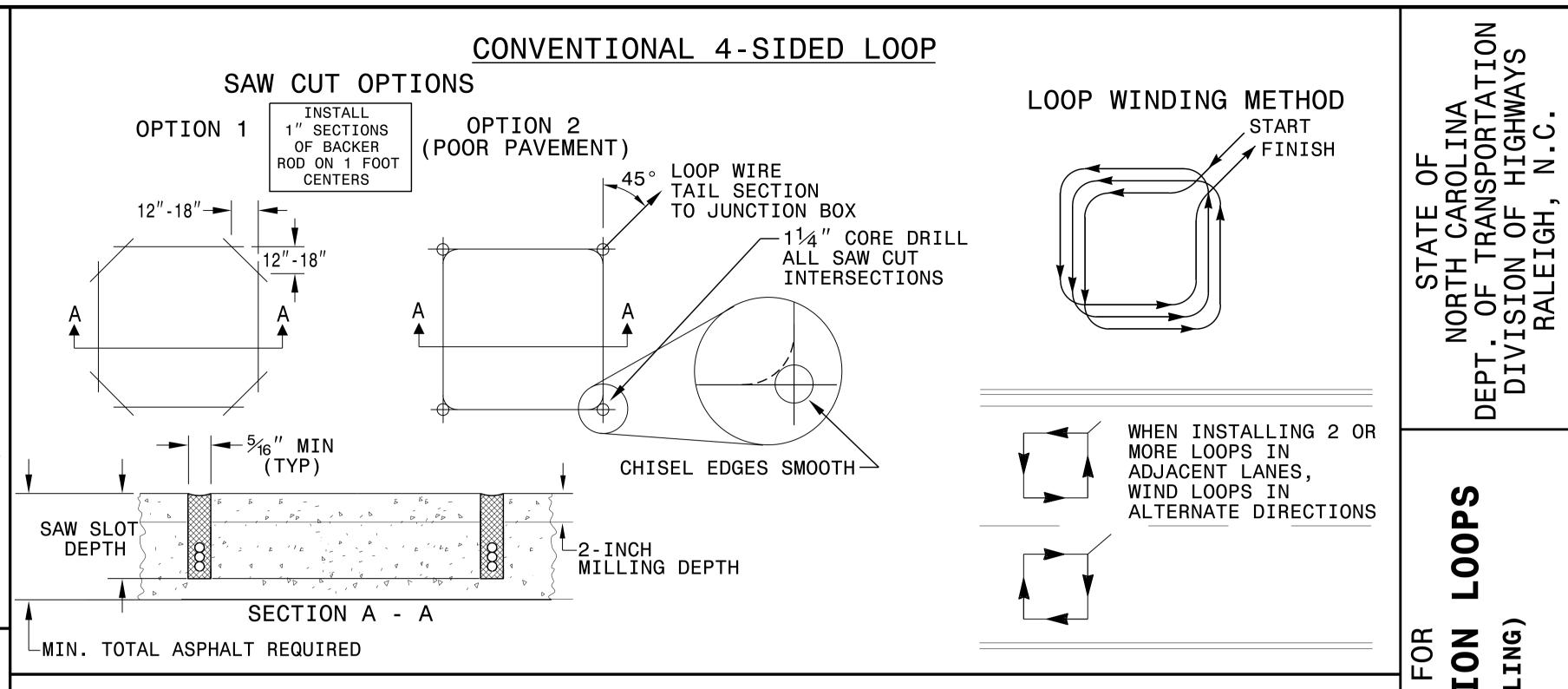
INCORRECT WAY TO TWIST WIRE



CORRECT WAY TO TWIST WIRE



## CONVENTIONAL 4-SIDED LOOP



SAW CUT OPTIONS

-5√16" MIN (TYP)

└MIN. TOTAL ASPHALT REQUIRED

SECTION A - A

OPTION 2

(POOR PAVEMENT)

—2 - INCH

MILLING DEPTH

OPTION 1

SAW SLOT DEPTH



11⁄4″ CORE DRILL ALL SAW CUT

-CHISEL EDGES SMOOTH

INTERSECTIONS

INSTALL

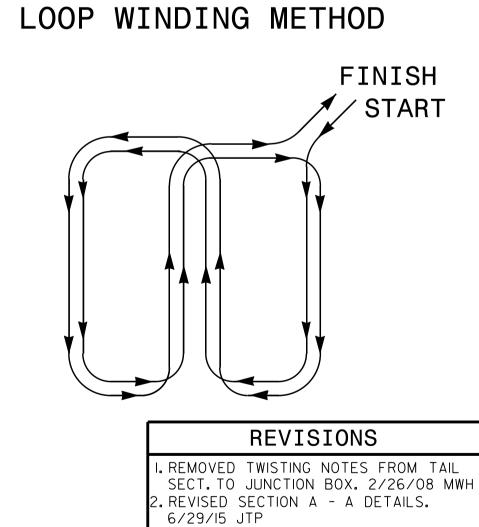
1" SECTIONS

OF BACKER ROD ON 1 FOOT

CENTERS

TO JUNCTION BOX

LOOP WIRE TAIL SECTION



Prepared in the Offices of:

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7/1/2015

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