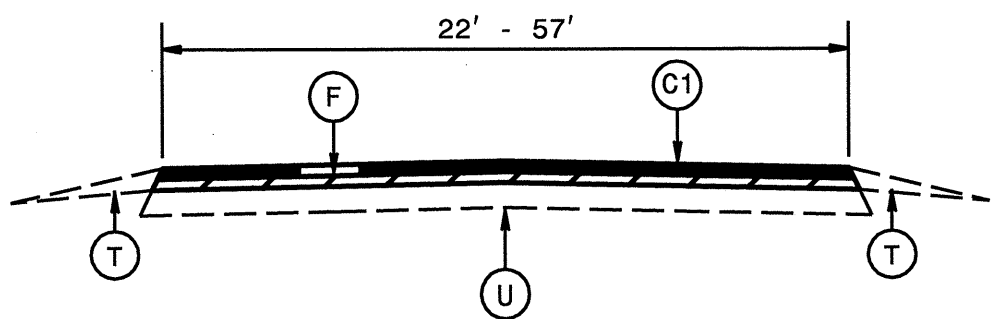
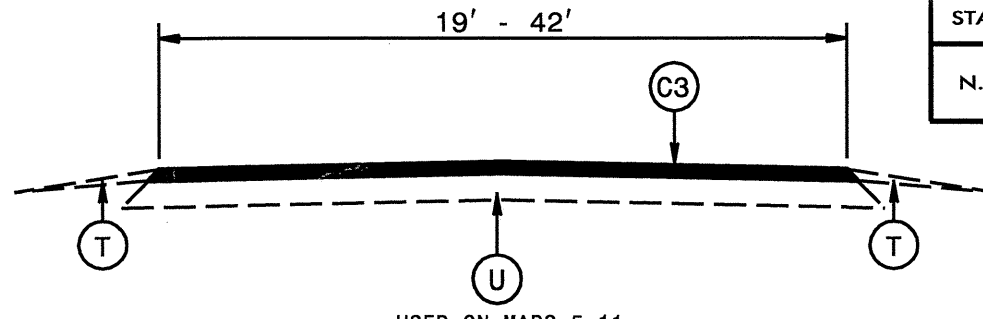


STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 GEOSPATIAL INFORMATION SYSTEMS
 RALEIGH, N.C. 27601

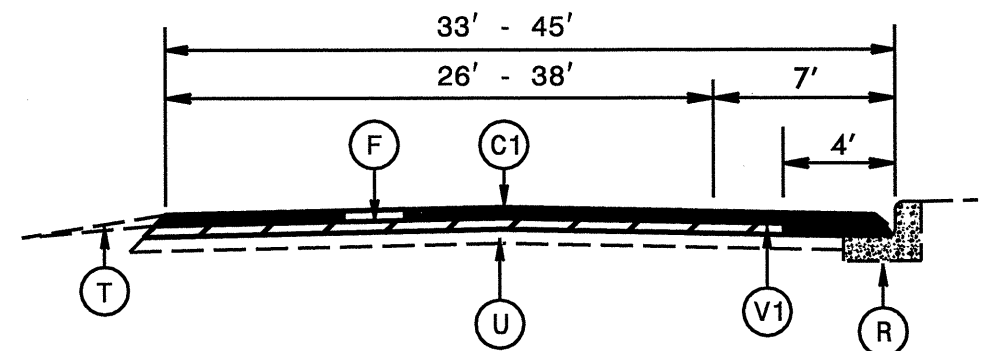
5/28/95



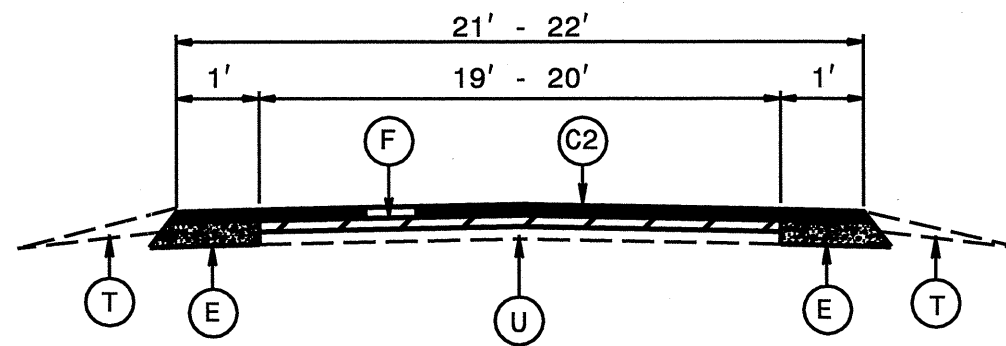
USED ON MAPS 1,2,3
TYPICAL SECTION NO. 1



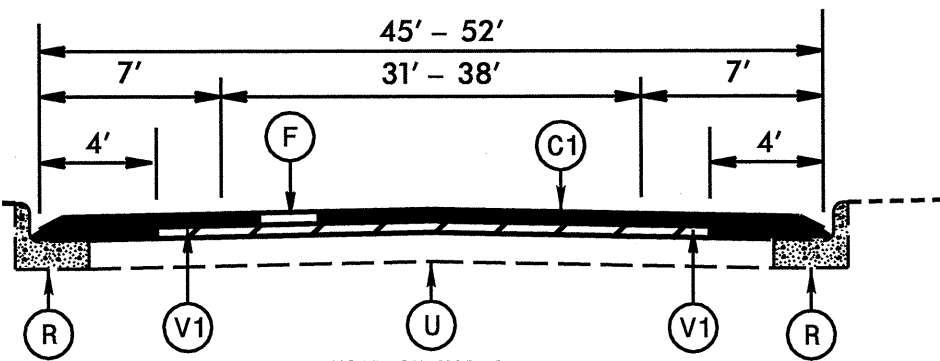
USED ON MAPS 5,11
TYPICAL SECTION NO. 5



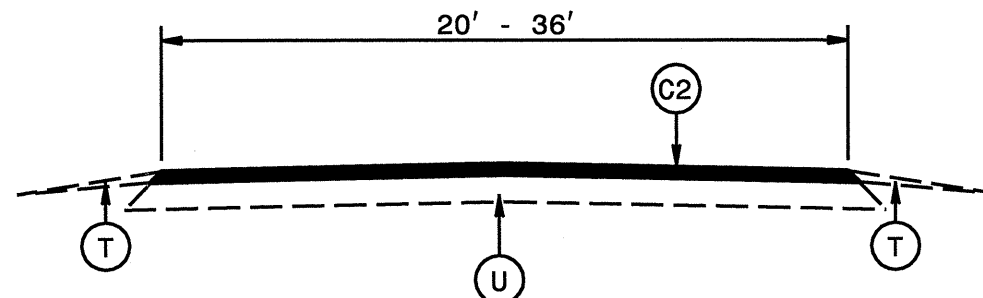
USED ON MAP 2
TYPICAL SECTION NO. 2



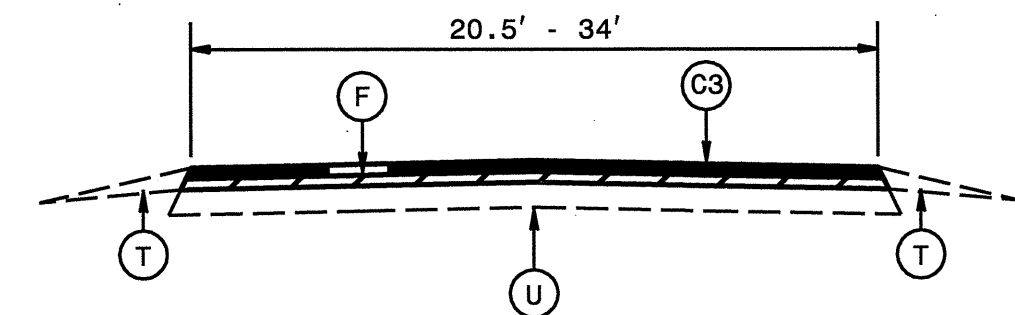
USED ON MAPS 6
TYPICAL SECTION NO. 6



USED ON MAP 2
TYPICAL SECTION NO. 3



USED ON MAPS 7,10
TYPICAL SECTION NO. 7

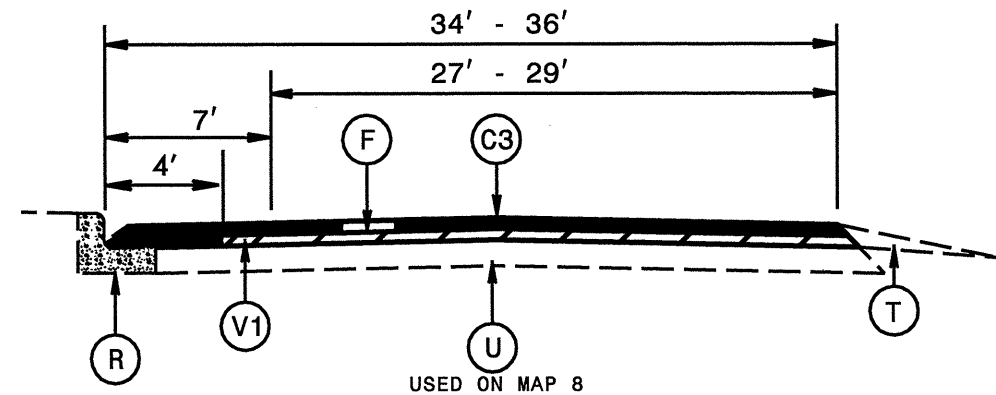


USED ON MAPS 4,8
TYPICAL SECTION NO. 4

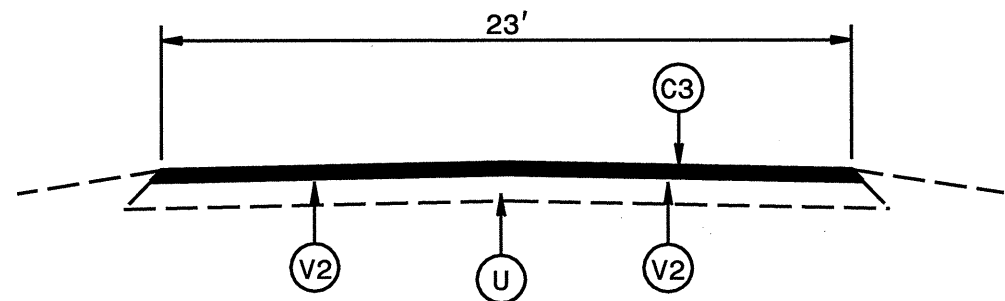
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	7CR.10011.13, 7CR.10011.13, 7CR.10681.13	3	

PAVEMENT SCHEDULE				
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	F	AST MAT COAT, 78M	V1 0" - 1 1/2" MILLING
C2	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.	T	SHOULDER RECONSTRUCTION AS DIRECTED BY THE ENGINEER	V2 1 1/2" MILLING
C3	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	R	EXISTING 2-6 CURB AND GUTTER	
E	PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD. IN EACH OF TWO LAYER.	U	EXISTING PAVEMENT.	

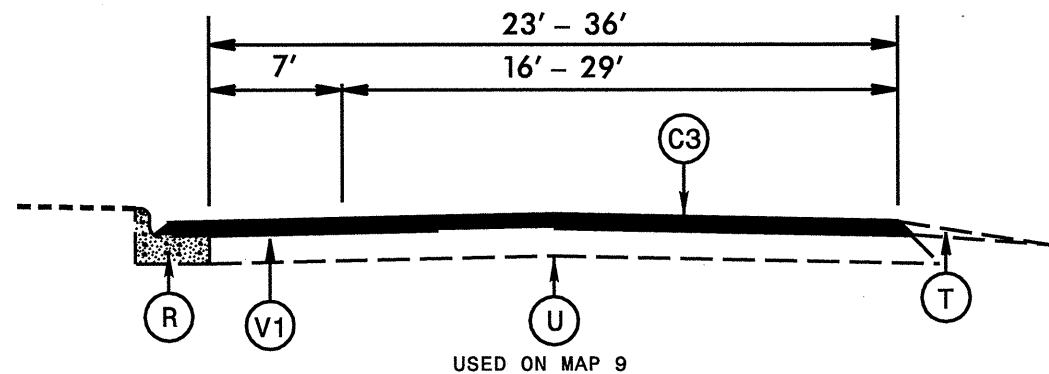
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	7CR.10011.13, 7CR.20011.13, 7CR.10681.13	40	



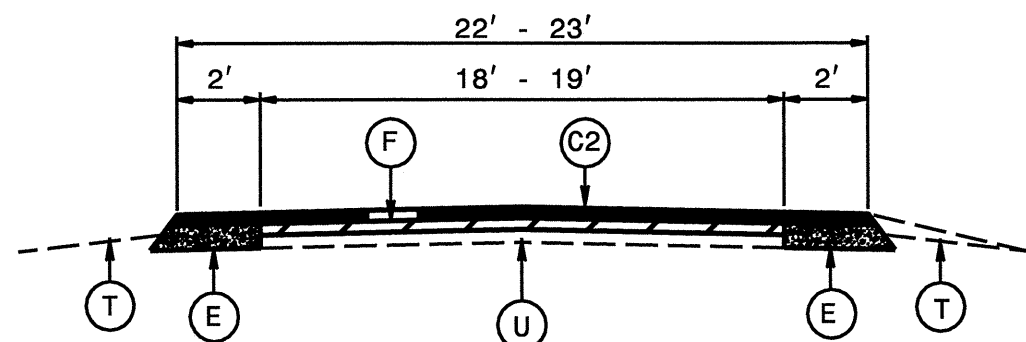
USED ON MAP 8
TYPICAL SECTION NO. 8



USED ON MAP 9
TYPICAL SECTION NO. 9

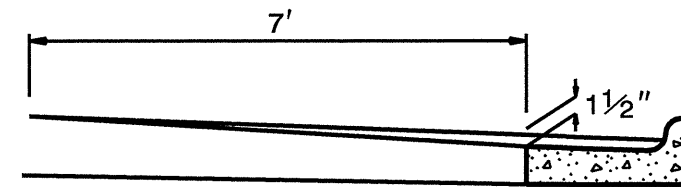


USED ON MAP 9
TYPICAL SECTION NO. 10



USED ON MAP 10
TYPICAL SECTION NO. 11

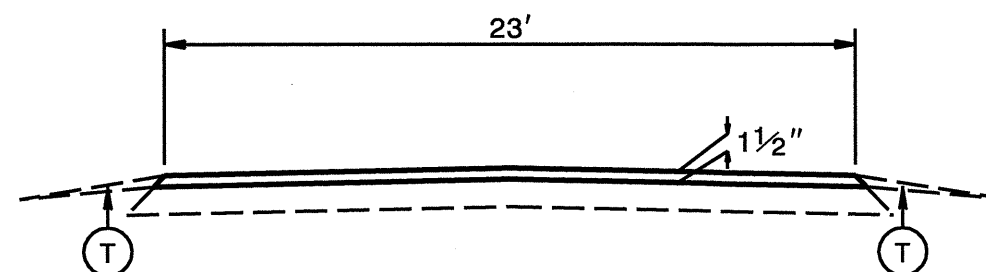
MILLING DETAIL 1



MILL EXISTING ASPHALT PAVEMENT 0-1 1/2" AT LOCATIONS AS DIRECTED BY THE ENGINEER

NOTE:
TO BE USED IN CONJUNCTION WITH
TS. NO. 2 & 3 ON MAP 2
TS. NO. 8 ON MAP 8
T.S. NO. 10 ON MAP 9

MILLING DETAIL 2



MILL TOTAL WIDTH OF EXISTING ASPHALT PAVEMENT 1 1/2" AT LOCATIONS AS DIRECTED BY THE ENGINEER

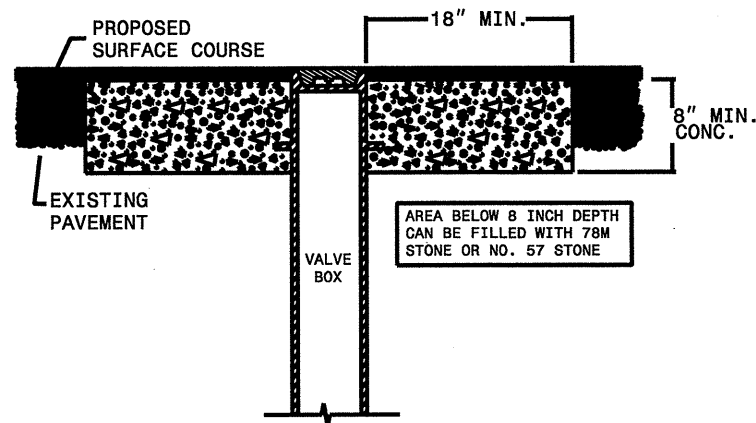
NOTE:
TO BE USED IN CONJUNCTION WITH
TS. NO. 9 ON MAP 9

PAVEMENT SCHEDULE

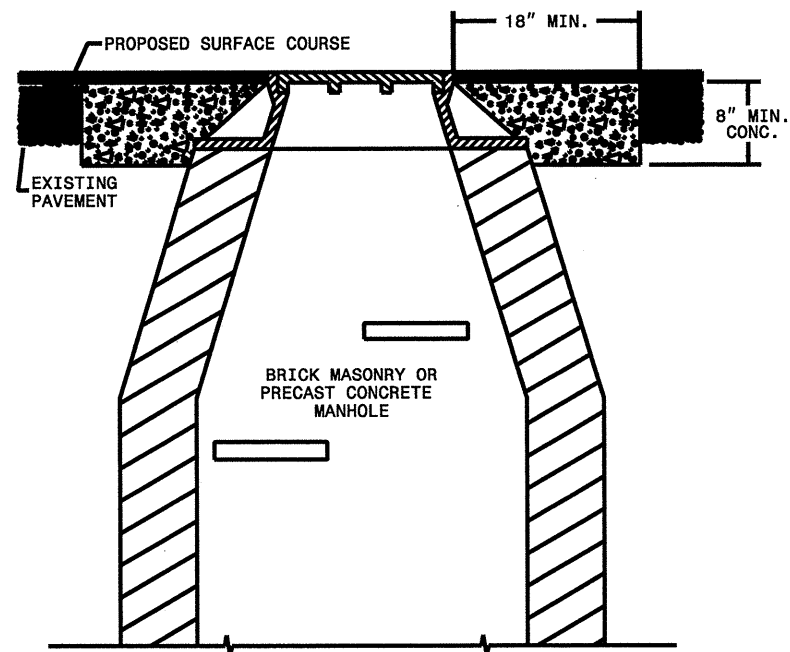
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	F	AST MAT COAT, 78M	V1	0" - 1 1/2" MILLING
C2	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.	T	SHOULDER RECONSTRUCTION AS DIRECTED BY THE ENGINEER	V2	1 1/2" MILLING
C3	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	R	EXISTING 2-6 CURB AND GUTTER		
E	PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD. IN EACH OF TWO LAYER.	U	EXISTING PAVEMENT.		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	7CR.10011.13, 7CR.10681.13	5	

STANDARD CONCRETE ENCASEMENT FOR MANHOLE & VALVE CASTINGS IN PAVEMENT
DETAIL DRAWING NO. 858.01

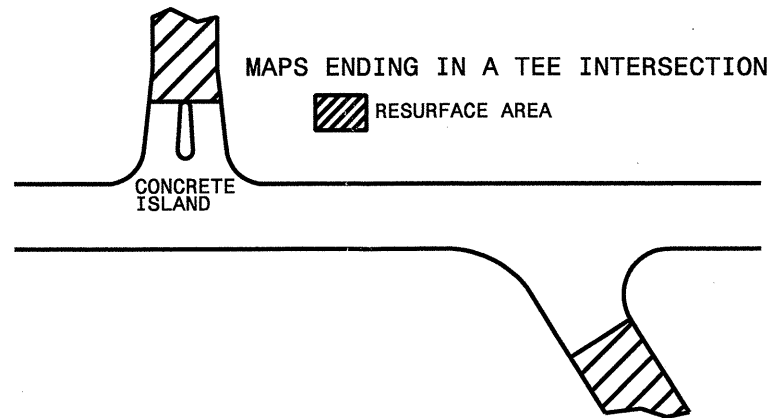


USE RAPID SET GROUT, MORTAR, OR CONCRETE CLASS B CONCRETE MAY BE USED WHEN ADJUSTMENTS ARE NOT IN THE TRAVEL LANE.

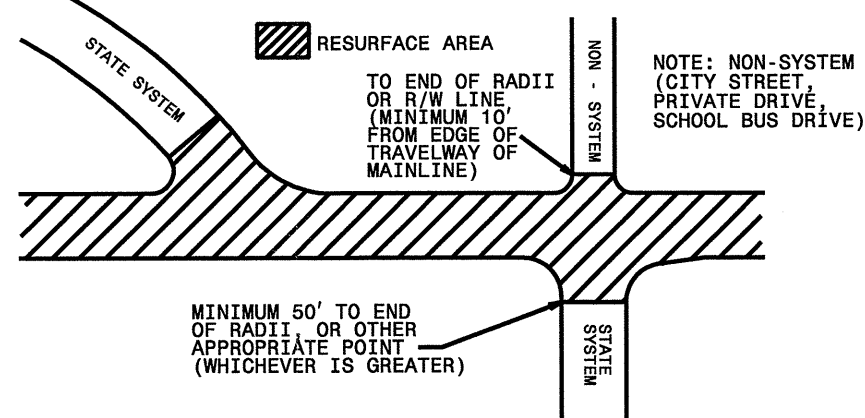


- NOTES:
1. MORTAR SHALL BE MIXED TO NCDOT SPECIFICATIONS.
 2. ALL FAULTY EXISTING BRICKWORK TO BE REMOVED AND REPLACED WITH NEW BRICK MASONRY.
 3. EXCAVATION FOR THE ADJUSTMENT SHALL BE SHEER CUT ON ALL SIDES.
 4. RAPID SET GROUT, MORTAR, OR CONCRETE SHALL BE USED

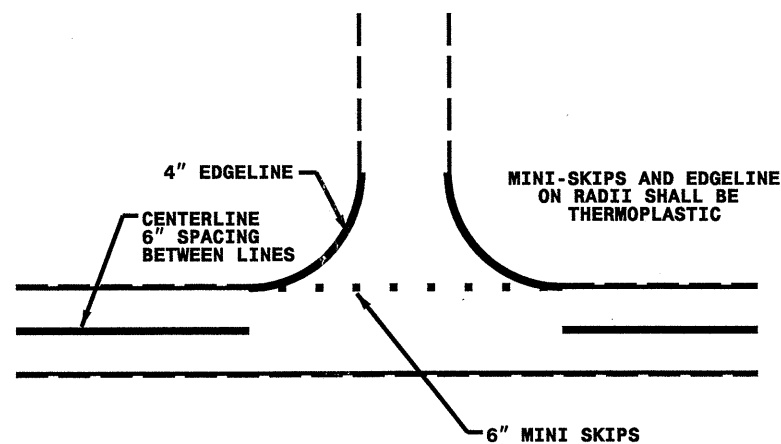
PAVING DETAIL 1
MAIN LINE IS NOT BEING RESURFACED



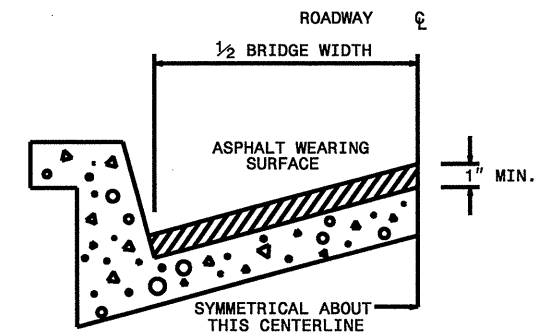
PAVING DETAIL 2
MAIN LINE IS BEING RESURFACED



TO BE USED AT ALL
NON-SIGNALIZED INTERSECTIONS
(NOT TO SCALE)



NOTE: MINI SKIPS SHALL BE PLACED ON A 10' CYCLE, CONTAINING AN 8' AND 2' SKIP, THE WIDTH OF THE SKIP SHALL BE 6".



BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN. THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 1" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

NOTES

ALL UNPAVED S.R. ROUTES TO BE SURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
ALL PAVED S.R. ROUTES TO BE RESURFACED TO END OF RADDII, OR AS DIRECTED BY THE ENGINEER. EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES. BRIDGES TO BE RESURFACED AT LOCATIONS AND DEPTH AS DIRECTED BY THE ENGINEER.

PROJECT NO.	SHEET NO.	TOTAL NO.
7CR.10011.13, 7CR.20011.13 7CR.10681.13,	6	

SUMMARY OF QUANTITIES

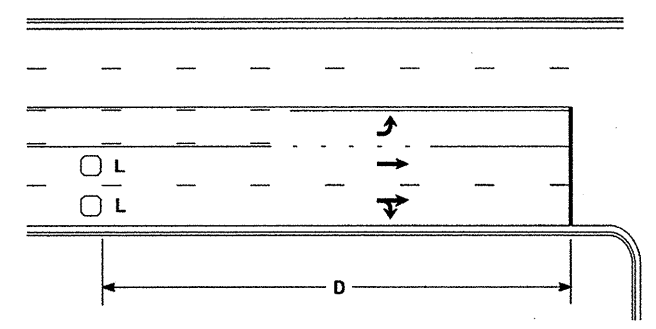
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1½" MILLING SY	0" TO 1.5" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TONS	PG 64-22 PLANT MIX TONS	AST MAT COAT 78M SY	ADJ. OF MH EA	ADJ. OF MB OR VB EA	SEED & MULCHING AC	RESIDENTIAL SEEDING AC	TRENCHING (UNPAVED) (1) (2") LF	INDUCTIVE LOOP SAW CUT LF	LEAD - IN CABLE (14-2) LF					
7CR.10011.13	Alamance	1	NC 49	FROM SR 1130 (FRIENDSHIP RD) TO SR 1148 (ANTHONY RD)	1	2.04	22	388	5.63					2,334		140	26,330		1	1.00	1.05								
					1	0.02	22 - 24										23		1	270									
					1	0.12	24										143		9	1,690									
					1	0.04	24										48		3	563									
					1	0.52	24									400	618		37	7,322									
					1	0.05	24 - 26										62		4	733									
					1	0.01	26 - 24										12		1	217									
					1	1.43	24									400	1,900		114	20,134									
					1	0.06	24 - 23										70		4	827									
					1	0.58	23										701		42	7,826									
					1	0.02	23 - 35										29		2	340									
					1	0.03	35 - 23										43		3	510									
					1	0.72	23										268	861	52	9,715									
					TOTAL FOR MAP NO. 1						5.64		388	5.63			1,068	6,843		412	76,477		1	1.00	1.05				
"	"	2	NC62 (ALAMANCE RD)	FROM SR 1363 (S. MEBANE ST) TO US 70 (CHURCH ST)	1	0.74	24	50	0.84					1,040		62	10,419	6	8		0.31	50	650	50					
					2	0.03	33						70			49		3	581										
					2	0.03	33 - 46									103		4	695										
					3	0.02	46 - 52									190		3	575										
					3	0.02	52 - 113									162		6	968										
					3	0.002	113 - 136									19		1	146										
TOTAL FOR MAP NO. 2						0.842		50	0.84			544	1,309		79	13,384	6	8		0.31	50	650.00	50.00						
"	"	3	NC49 (ELM ST)	FROM PARKER ST (SR 2396) TO SR 1801 (WEST MAIN ST)	1	0.99	24	68	1.08					1,227		74	13,939	3	6	0.20	0.20								
					1	0.04	24 - 28									52		3	610										
					1	0.02	28 - 46									37		2	434										
					1	0.02	46 - 41									43		3	510										
					1	0.01	41 - 57									24		1	288										
TOTAL FOR MAP NO. 3						1.08		68	1.08			1,382		83	15,781	3	6	0.20	0.20										
TOTAL FOR PROJ NO. 7CR.10011.13						7.562		506	7.55		544	1,068	9,535		574	105,642	9	15	1.20	1.56	50	650	50						
7CR.20011.13	Alamance	4	SR 1530 (GERRINGER MILL ROAD)	FROM NC 87 TO SR 1593 (BURCH BRIDGE ROAD)	4	0.58	21 - 20.5	70	1.55						637	41	7,078				0.28	0.28							
					4	0.97	20.5 - 20						779			959	62	11,552											
TOTAL FOR MAP NO. 4						1.55		70	1.55			779		1,596	103	18,630				0.28	0.28								
"	"	5	SR 1763 (WILLIE PACE RD)	FROM JOINT JUST WEST OF SR 1761 (LOWDER ROAD)	5	2.14	19	45	2.14					2,056	134					0.50	0.28								
"	"	6	SR 2159 (EAST MAIN STREET)	FROM SR 2158 (SWEPSONVILLE-SAXAPAHAW RD) TO SR 2164 (ALFRED RD)	6	0.91	19 - 20	108	1.82			550		827	77	10,410	1	2		0.66									
"	"	7	SR 2142 (MT. WILLEN RD)	FROM NC 54 TO SR 2135 (JIM MINOR RD)	7	0.021	21 - 36	143	1.83					104	7				0.50	0.17									
TOTAL FOR MAP NO. 7						1.831		143	1.83					1,645	107					0.50	0.17								
"	"	8	SR 2146 (SAXAPAHAW BETHLEHEM CH RD)	FROM ORANGE COUNTY TO SR 2171 (CHURCH ST) NEW PAVEMENT JOINT	8.4	0.07	36 - 25	190	3.22		48				104	7	1,253	2		1.00	0.56								
					4	3.23	22 - 20.5									3,349	218	40,362											
TOTAL FOR MAP NO. 8						3.3		190	3.22		48			3,453	225	41,615	2		1.00	0.56									
"	"	9	SR 2171 (CHURCH RD)	FROM N OF SOUTH BRIDGE TO SR 2158 (SWEPSONVILLE - SAXAPAHAW RD)/ SR 2146 (SAXAPAHAW - BETHLEHAM CH. RD.)	9	0.03	23			360					34	2													
					10	0.04	23 - 36									57	4												
TOTAL FOR MAP NO. 9						0.07				360	237	144		91	6														
"	"	10	SR 2327 (BASS MOUNTAIN RD)	FROM 2326 MT. HERMAN-ROCK CREEK RD TO SR 2364 (CARL NOAH RD)	7	2.73	21 - 20	223							2,339	152													
					11	1.63	18 - 19				7.96		323	1,749	1,533	175	17,691				2.00	0.90							
					11	0.66	18 - 18.6							708	599	69	7,086												
					11	0.33	19							354	336	37	3,485												
TOTAL FOR MAP NO. 10						5.35		223	7.96		323	2,811	4,806	433	28,262			2.00	0.90										
TOTAL FOR PROJ NO. 7CR.20011.13						15.151		779	18.52	360	285	1,246	3,361	14,474	1,085	98,917	3	2	4.28	2.85									
7CR.10681.13	Orange	11	SR 1961 (SAXAPAHAW RD)	FROM ALAMANCE COUNTY TO NC 54	5	0.42	20.5	6	0.51						419	27				0.25									
					5	0.08	20.5 - 38									115	7												
					5	0.01	34 - 42										18	1											
TOTAL FOR MAP NO. 11						0.51		6	0.51				552	35					0.25										
TOTAL FOR PROJ NO. 7CR.10681.13						0.51		6	0.51				552	35						0.25									
GRAND TOTAL						23.223		1,291	26.58	360	829	2,314	3,361	9,535	15,026	1,694	204,559	12	17	5.73	4.41	50	650	50					

PROJECT NO.	SHEET NO.	TOTAL NO.
7CR.10011.13, 7CR.20011.13 7CR.10681.13,	7	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4685000000-E	4686000000-E			4690000000-E	4695000000-E			4710000000-E	4721000000-E	4725000000-E			4810000000-E	4810000000-E
					4" X 90 M WHITE THERMO LF	4" X 120 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	6" X 120 M WHITE THERMO LF	8" X 90 M WHITE THERMO LF	8" X 90 M YELLOW THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG SCHOOL 120 M EA	THERMO STR & LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	THERMO LT ARROW 90 M EA	4" WHITE PAINT LF	4" YELLOW PAINT LF		
7CR.10011.13	Alamance	1	NC 49	FROM SR 1130 (FRIENDSHIP RD)	59,410	70	47,666	284			155		3						
7CR.10011.13	Alamance	2	NC62 (ALAMANCE RD)	FROM SR 1363 (S. MEBANE ST) TO US 70 (CHURCH ST)	8,075	231	8,840	138	180		177			2		1			
7CR.10011.13	Alamance	3	NC49 (ELM ST)	FROM PARKER ST (SR 2396) TO SR 1801 (WEST MAIN ST)	11,370		11,712	34	146	36	52			1		1			
TOTAL FOR PROJ NO. 7CR.10011.13					78,855	301	68,218	456	326	36	384		3	3	2				
					78,855	68,519			362				8						
7CR.20011.13	Alamance	4	SR 1530 (GERRINGER MILL ROAD)	FROM NC 87 TO SR 1593 (BURCH BRIDGE ROAD)	300			58									32,840	30,132	
		5	SR 1763 (WILLIE PACE RD)	FROM JOINT JUST WEST OF SR 1761 (LOWDER ROAD)	450			58									44,224	44,286	
		6	SR 2159 (EAST MAIN STREET)	FROM SR 2158 (SWEPSONVILLE-SAXAPAHAW RD) TO SR 2164 (ALFRED RD)	9,600		9600	46											
		7	SR 2142 (MT. WILLEN RD)	FROM NC 54 TO SR 2135 (JIM MINOR RD)	300			34									38,000	33,392	
		8	SR 2146 (SAXAPAHAW BETHLEHEM CH RD)	FROM ORANGE COUNTY TO SR 2171 (CHURCH ST) NEW PAVEMENT JOINT	1,050			164			100	12					67,580	49,722	
		9	SR 2171 (CHURCH RD)	FROM N OF SOUTH BRIDGE TO SR 2158 (SWEPSONVILLE - SAXAPAHAW RD)/ SR 2146 (SAXAPAHAW - BETHLEHAM CH. RD.)	175			35			50						2,650	3,000	
		10	SR 2327 (BASS MOUNTAIN RD)	FROM 2326 MT. HERMAN-ROCK CREEK RD TO SR 2364 (CARL NOAH RD)	700			108									111,460	96,516	
TOTAL FOR PROJ NO. 7CR.20011.13					12,575		9,600	503			150	12					296,754	257,048	
					12,575	9,600											553,802		
7CR.10681.13	Orange	11	SR 1961 (SAXAPAHAW RD)	FROM ALAMANCE COUNTY TO NC 54	300			36									10,160	6,758	
TOTAL FOR PROJ NO. 7CR.10681.13					300			36									10,160	6,758	
					300												16,918		
GRAND TOTAL					91,730	301	77,818	995	326	36	534	12	3	3	2		306,914	263,806	
					91,730	78,119			362				8				570,720		

High Speed Detection [≥40 mph (64 km/hr)]

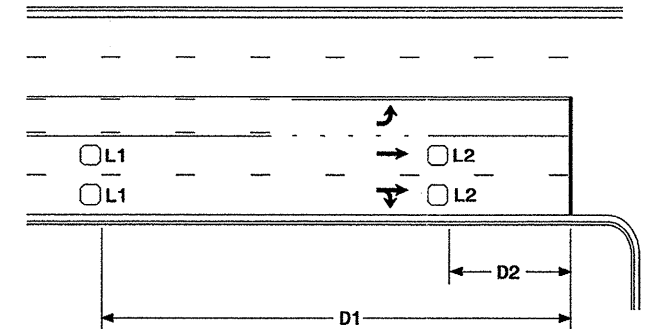


Speed Limit mph (km/hr)	D ft (m)
40 (64)	250 (75)
45 (72)	300 (90)
50 (80)	355 (110)
55 (88)	420 (130)

L = 6ft X 6ft (1.8m X 1.8m)
Wired in series for TS1
Controllers
Wired separately for TS2,
170, and 2070L Controllers

Volume Density Operation

OR



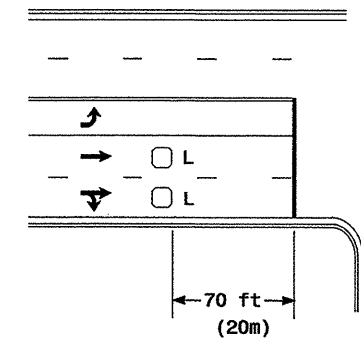
Speed Limit mph (km/hr)	D1 ft (m)	D2 ft (m)
40 (64)	250 (75)	80 (25)
45 (72)	300 (90)	90 (27)
50 (80)	355 (110)	100 (30)
55 (88)	420 (130)	110 (35)

L1 = 6ft X 6ft
(1.8m X 1.8m)
Wired in series
L2 = 6ft X 6ft
(1.8m X 1.8m)
Wired in series

"Stretch" Operation

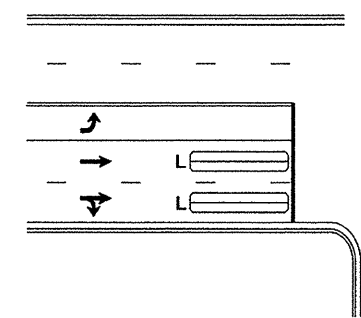
Low Speed Detection [≤35 mph (56 km/hr)]

7CR.10011.13, 7CR.20011.13 & 7CR10681.13



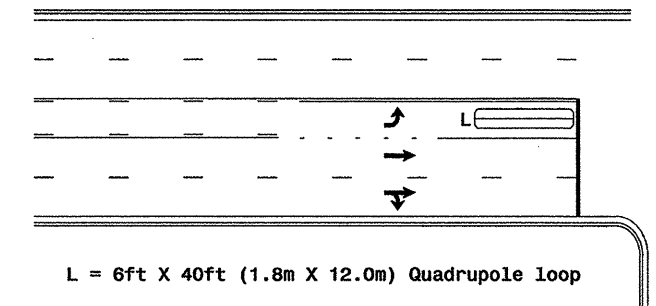
L = 6ft X 6ft (1.8m X 1.8m)
Wired in series

OR



L = 6ft X 40ft (1.8m X 12.0m)
Quadrupole loop, wired separately

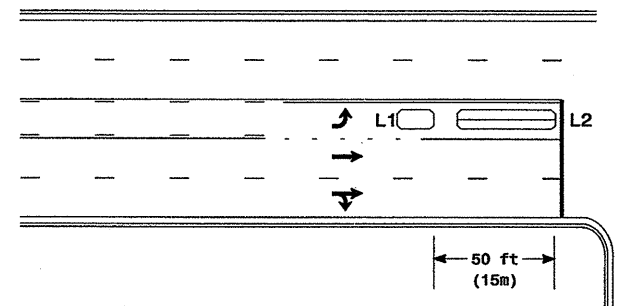
Left Turn Lane Detection



L = 6ft X 40ft (1.8m X 12.0m) Quadrupole Loop

Presence Loop Detection

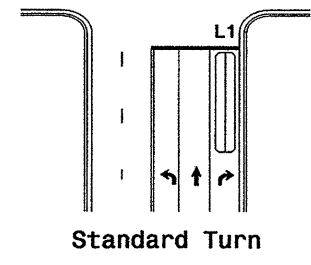
OR



L1 = 6ft X 15ft (1.8m X 4.6m) Queue detector
L2 = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop

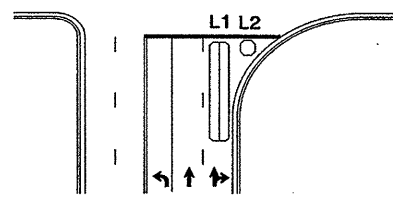
Queue Loop Detection

Right Turn Lane Detection

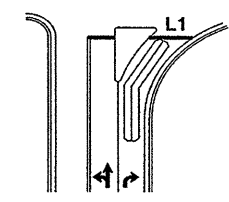


Standard Turn

L1 = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop
L2 = 6ft X 6ft (1.8m X 1.8m) [Minimum] Presence loop
Wired separately
L3 = 6ft X 20ft (1.8m X 6.0m) Quadrupole loop
Wired in series

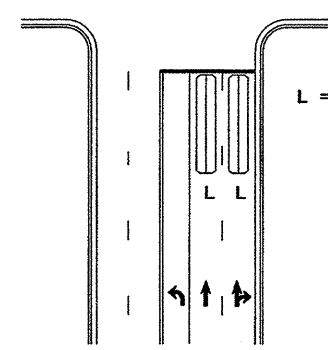


Wide Radius Turn



Channelized Turn

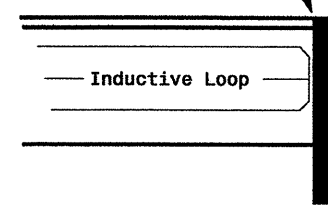
Side Street Detection



L = 6ft X 40ft (1.8m X 12.0m)
Quadrupole loop
Wired to separate
detectors/channels

Presence Loop Placement at Stop Lines

Locate loop slightly
behind leading
edge of stop line



Note:
Loop may be located in advance
of stop line when stop line is
greater than 15' (4.5m) from edge
of intersecting roadway; or, when
loop detects a permissive or
protected/permissive left turn.

Recommended Number of Turns

Single 6' X 6' (1.8m X 1.8m)
loop (wired separately):

Length of Lead-in ft (m)	Number of Turns
< 250 (75)	3
250-375 (75-115)	4
375-525 (115-160)	5
> 525 (160)	6

Quadrupole loops: Use 2-4-2 turns
6' X 15' (1.8m X 4.6m) Loops:
Lead-in < 150' (45 m), use 2 turns
Lead-in > 150' (45 m), use 3 turns

Prepared in the Office of:
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Traffic and Geometric Section
122 N. McDowell St., Raleigh, NC 27603

Typical Loop Locations

PLAN DATE: June 2006	REVIEWED BY:
PREPARED BY: P. L. Alexander	REVIEWED BY:
SCALE: N/A	INITIALS: [Signature]
REVISIONS: <i>Revise pavement markings</i>	DATE: 12/1/06

SIGNATURE: [Signature] DATE: [Date]

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DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

5-07

ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS

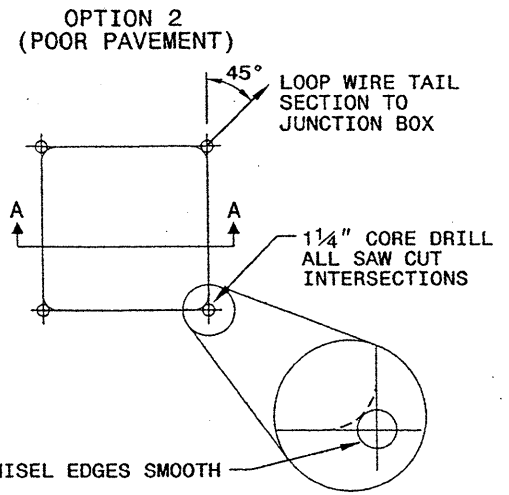
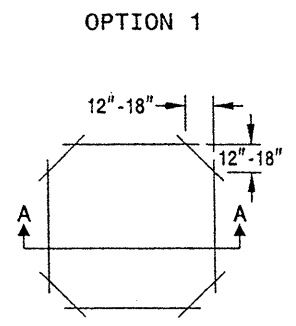
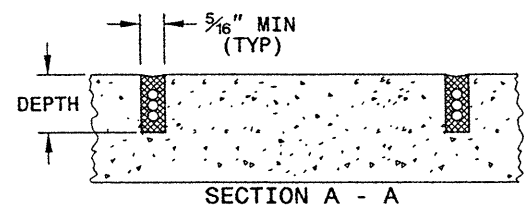
SHEET 1 OF 3
1725D01

CONVENTIONAL 4-SIDED LOOP

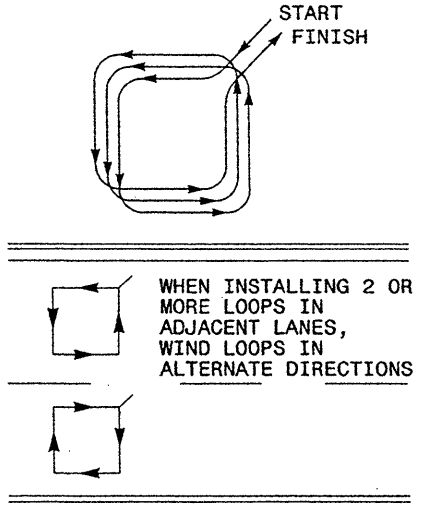
SAW CUT OPTIONS

SAW SLOT DEPTH CHART

DEPTH (IN)	NO. OF WIRE TURNS					
	2	3	4	5	6	
CONCRETE	2.0	2.0	2.5	2.5	3.0	
ASPHALT	2.0	2.5	3.0	3.0	3.0	



LOOP WINDING METHOD



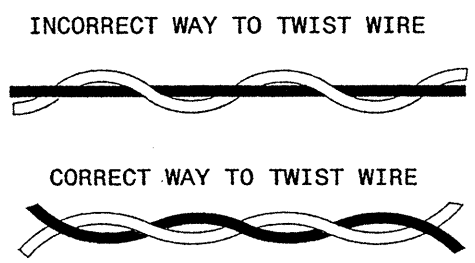
5-07

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ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS

SHEET 1 OF 3
1725D01

LOOP WIRE TWISTING METHOD

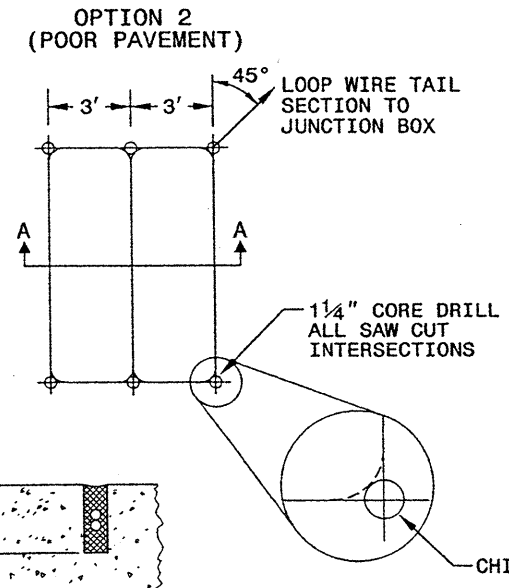
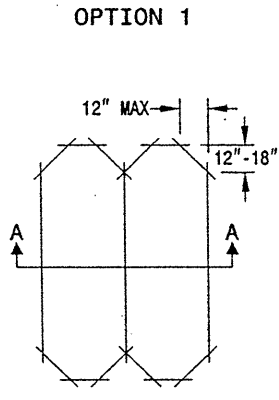


NOTES

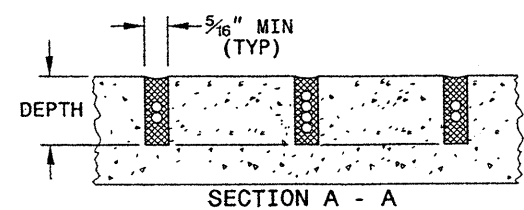
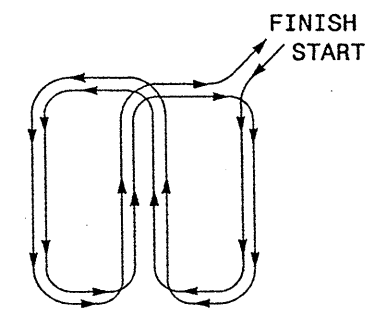
1. OVERLAP SAW CUTS AT CORNERS AND INTERSECTION POINTS TO ENSURE UNIFORM SAW SLOT DEPTH.
2. MAINTAIN 12" SPACING BETWEEN LOOP WIRE TAIL SECTIONS.
3. WIRE LOOPS CONNECTED TO THE SAME DETECTOR CHANNEL IN SERIES.
4. LOCATE LOOPS IN CENTER OF LANES UNLESS OTHERWISE SHOWN ON PLANS OR APPROVED BY ENGINEER.

QUADRUPOLE LOOP

SAW CUT OPTIONS



LOOP WINDING METHOD



DEPTH IS 2.5" FOR CONCRETE AND 3.0" FOR ASPHALT

See Plate for Title

Prepared in the Offices of:

750 N. Greenfield Parkway
Garner, NC 27529

SEAL

ENGINEER
MILTON I. DEAN
9/5/07
SIGNATURE DATE

05-659-2007 14/00
c:\work\1725\1725d01.dwg
05-659-2007 14/00
c:\work\1725\1725d01.dwg

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

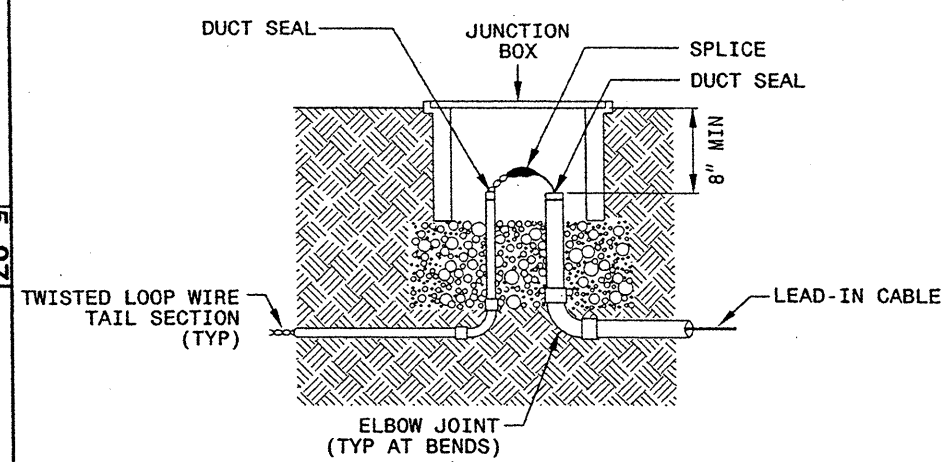
5-07

ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS
LOOP WIRE DETAILS

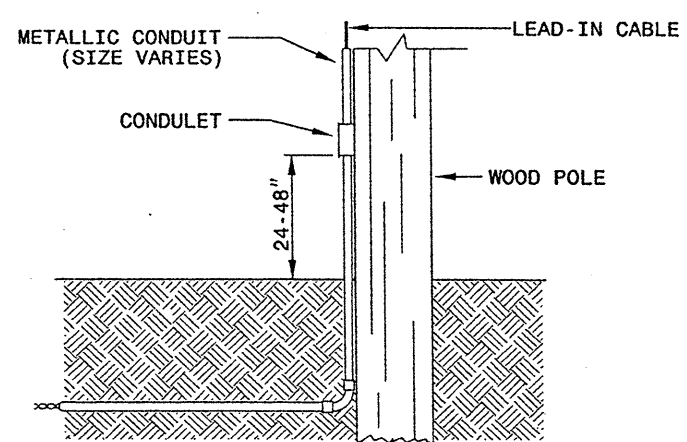
SHEET 2 OF 3
1725D01

LOOP WIRE SPLICE POINT DETAILS

LOOP WIRE AT JUNCTION BOX



LOOP WIRE AT POLE

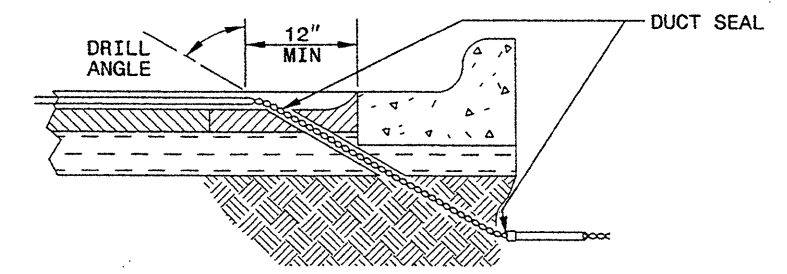


NOTE

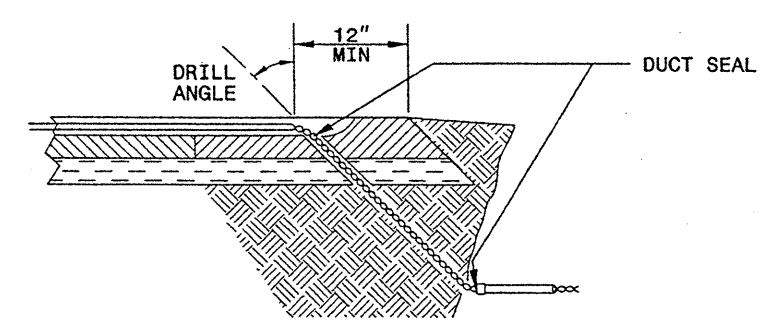
SPLICE ALL LOOP WIRE TAIL SECTIONS/LEAD-IN CABLE IN JUNCTION BOXES OR APPROVED CONDULETS.

LOOP WIRE PAVEMENT EDGE DETAILS

LOOP WIRE AT CURB & GUTTER SECTION



LOOP WIRE AT PAVEMENT SECTION



NOTES

1. DO NOT EXCAVATE UNDER CURB AND GUTTER SECTIONS FOR CONDUIT INSTALLATION.
2. TWIST LOOP WIRE TAIL SECTIONS FROM WHERE LOOP WIRE TAIL LEAVES SAW CUT TO JUNCTION BOX, INCLUDING THROUGH CONDUIT.
3. BEFORE SEALING LOOPS, INSTALL DUCT SEAL WHERE LOOP WIRE TAIL SECTION LEAVES SAW CUT IN PAVEMENT AND AT ENTRANCE OF CONDUIT TO JUNCTION BOX.

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ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS
LOOP WIRE DETAILS

SHEET 2 OF 3
1725D01

See Plate for Title

Prepared in the Offices of:

750 N. Greenfield Parkway
Garner, NC 27529

SEAL

Milton L. Dean 9/5/07
SIGNATURE DATE

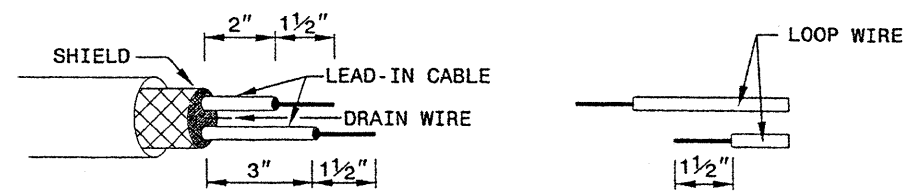
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

5-07

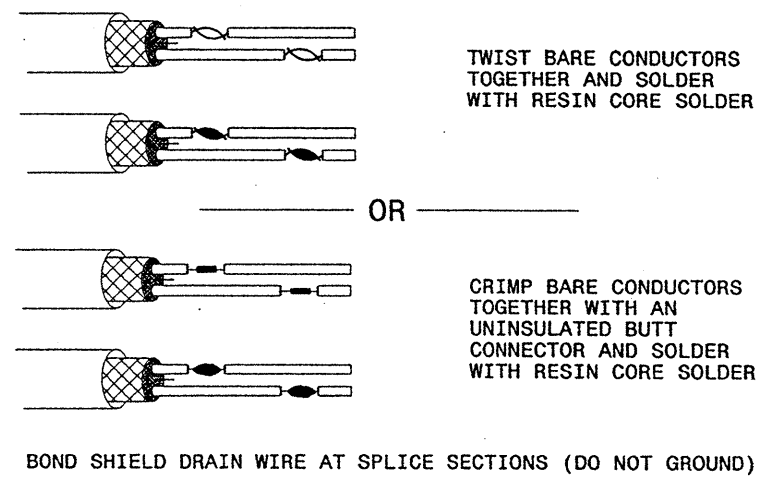
ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS
SPlicing FOR LEAD-IN CABLE AND LOOP WIRE

SHEET 3 OF 3
1725D01

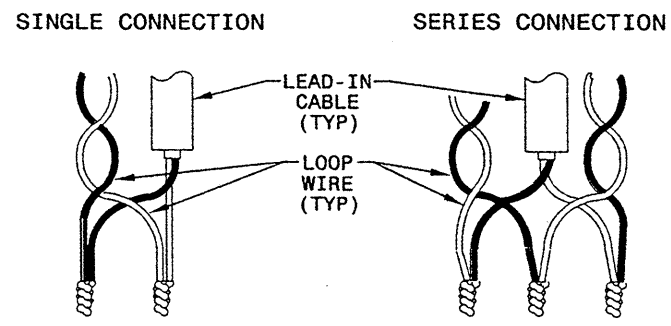
STEP 1. STRIP LOOP WIRE AND LEAD-IN CABLE



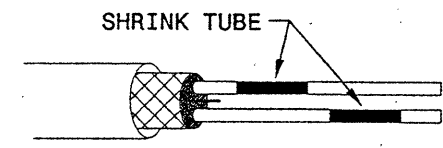
STEP 2. CONNECT AND SOLDER



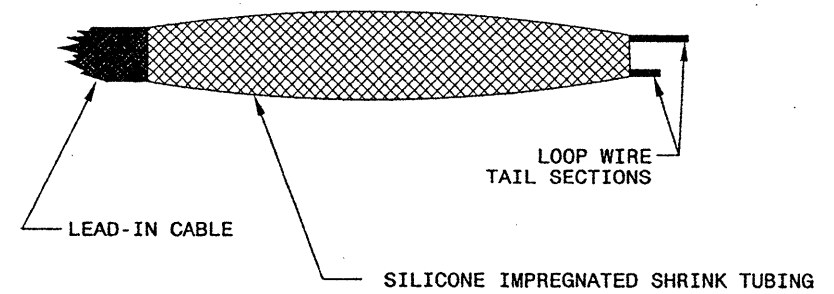
LOOP WIRE AND LEAD-IN CABLE CONNECTION DETAILS



STEP 3. INSULATE EACH SOLDER JOINT SEPARATELY



STEP 4. ENVIRONMENTALLY PROTECT SPLICE



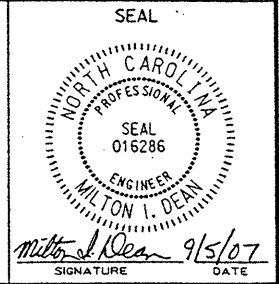
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ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS
SPlicing FOR LEAD-IN CABLE AND LOOP WIRE

SHEET 3 OF 3
1725D01

See Plate for Title



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