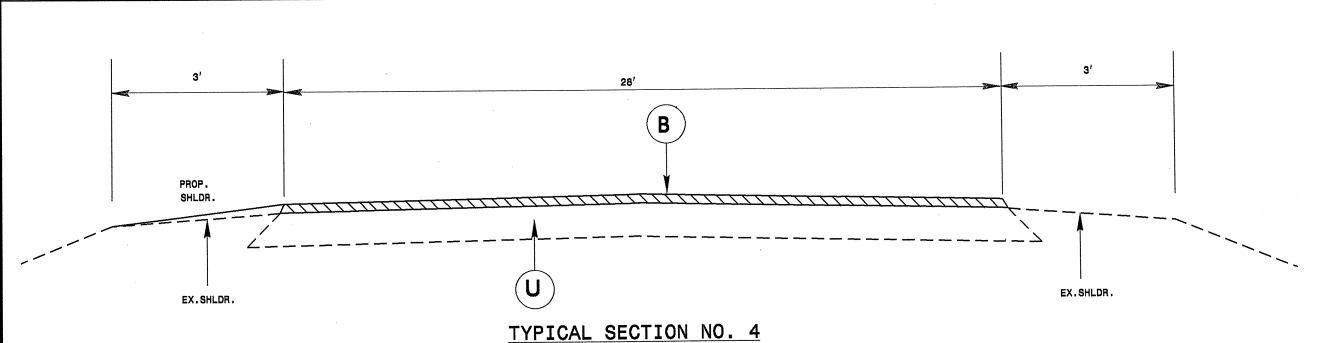


	PAVEMENT SCHEDULE
В	PROP. OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
С	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
E	5 1/2" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 684 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
٧	1½" MILLING



## II TOME OFFICE

## NOTE:

START OPEN-GRADED ASPHALT FRICTION COURSE AT STATION 11+25, END OPEN-GRADED ASPHALT FRICTION COURSE AT STATION 19+60.

PROJECT NO. SHEET NO. TOTAL NO. 5C.092131, 5CR.20921.24

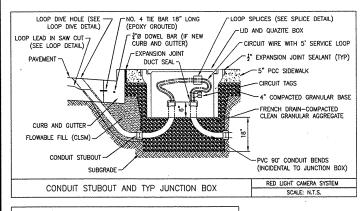
### SUMMARY OF QUANTITIES

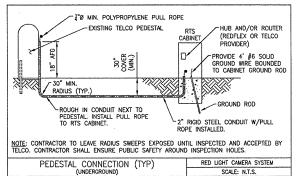
							3 (	J IVI IVI A	1/ 1 /	Jr (	X U A	14 1 1	IIES																
PROJECT COUNTY MA	P ROUTE	DESCRIPTION	TYP	FINAL SURFACE	WARM MIX ASPHALT		WIDTH	INDUCTIVE LOOP SAWCUT	ADJUST/ REPLACE	ADJUST/ REPLACE	BORROW	INCIDENTA		1½" MILLING	0" TO 1.5" MILLING	INCIDENTAL	BASE COURSE,	INTER- MEDIATE		PG 64-22 PLANT MIX	OPEN- GRADED		ADJUST MANHOLES		TEMP	WATTLE	POLY- ACRYLAMIDE		LOOP
				TESTING REQUIRED	ALLOWED			FOR RED LIGHT PHOTO ENFORCEMENT	TOWN SUPPLIED MANHOLES	TOWN SUPPLIED VALVE BOXES		BASE	STRUCTION			MILLING	B25.0B	COURSE, I19.0B	S9.5B		ASPHALT FRICTION COURSE, TYPE FC-1	PAVEMENT		VALVE BOX	FENCE		(PAM)		
NO NO		1	NO	1		MI	FT	LF	EA	EA	CY	TONS	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	EA	EA	LF	LF	LB	AC	LF
		SR 1115 - AVENT FERRY RD TO										1	1										1	1					
5C.092131 Wake 1	SR 1127 - REX RD	SR 1116 - CASS-HOLT RD	11	NO	YES	2.36	24			ļ	923	236	4.72			167 167	825	5,254 5,254	3,086 3,086	468 468		2,360 2,360	ļ	<del></del>	619 619	1,550 1,550	114	3.42 3.42	+
TOTAL FOR		<u> </u>				2.36	<b></b>			<del></del>	923 923	236	4.72	ļ		167	825 825	5,254	3,086	468		2,360			619		114	3.42	+
TOTAL FOR PRO	J NO. 5C.092131					2.36	<u> </u>			I	923	236	4.72	L		107	625	3,234	3,000	400	L	2,300	.1	_L	1 019	1,550	1 114		<del></del>
	1	T I		T	1	T	T	T			T	T	T	T										T	T			i	
	SR 1664 - BLUE RIDGE						l			1			1	20.040					2.345	141		400		l	1	l	1	i	384
5CR.20921.30 Wake 2	RD	AND INTERSECTION TO N JT.	2	NO	YES	0.68	61			ļ	<del> </del>	<del> </del>		23,619 23.619					2,345	141	<u> </u>	400			<del> </del>	<del> </del>			384
TOTAL FOR	MAP NO. 2					0.68	<u> </u>				ļ	<del> </del>		23,619	ļ		ļ	<del> </del>	2,345	141		400	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>		1 304
	SR 1152 - HOLLY	SR 1010 - TEN TEN TO NC 55 - MAIN ST. (EXCLUDE NEW PAVEMENT PROJECT AT SUNSET																										i	
1 1 9	SPRINGS RD	LAKE)	3	NO	YES	4.35	24			1	491	336	6.69		4,716	1,195			8,095	486		3,500	14	29	375	852	62	4.87	252
TOTAL FOR						4.35	T				491	336	7	T	4,716	1,195			8,095	486		3,500	14	29	375	852	62	5	252
	SR 1390 - OPTIMIST		***************************************				1				289	197	1		556	1.450			3 307	198		1,210			355	420	31	2.86	
	FARM ROAD	WHEELER RD	3	NO	YES	2.34	20			<del></del>	289	197	3.94	<del> </del>	556		ļ		3,307	198	<del> </del>	1,210		+	355		31	2.86	+
TOTAL FOR	MAP NO. 4				<del> </del>	2.34				ļ	289	19/	3.94	<del> </del>	336	1,450	<u> </u>		3,307	130	<del> </del>	1,210	<del> </del>	+	355	420		2.00	+
	SR 1301 - PURFOY RE	42/55 - N MAIN ST TO COUNTY	3	NO	YES	3.81	20	1			495	338	6.75		2,052	567			5,403	324		1,905	3	20		180	13	4.91	600
TOTAL FOR						3.81		1			495	338	6.75		2,052	567			5,403	324		1,905	3	20	<u> </u>	180	13	4.91	600
		64 RESURFACING PROJ: TO CITY PROJECT		NO	YES	0.61	48	165	,	_				17.178					2.360	142		442						í	3,615
	SR 1009 - TRYON RD	PROJECT	2	NO	YES	0.61	48	165		6	<del> </del>	<del> </del>	<del> </del>	17,178	<b> </b>		<del> </del>	<del> </del>	2,360	142		442		<del></del>	<del> </del>		<del> </del>	·	3,615
TOTAL FOR	MAP NO. 6	FROM JOHE COURT OF OUR IS			<del> </del>	0.61	<del></del>	103	<del></del>			<del></del>		11,110	<del> </del>		<del> </del>	<del> </del>	2,000	<del> </del>		<del></del>	1	<del> </del>	<del> </del>	1	<del> </del>	,	1 2,0,10
	SR 1152 - HOLLY	FROM JOINT SOUTH OF CURVE WIDENING AT SOUTH BRIER DRIVE TO JOINT NORTH OF																										ĺ	
1 1,	SPRINGS RD	SOUTH BRIER DRIVE	4	NO	YES	0.20	28	1		1				l				1		6	88		İ		1	l	<u> </u>		
TOTAL FOR				1	1	0.2	1	<u> </u>												6	88		I		1	L	1		
TOTAL FOR PROJ						11.99	1	165	2	6	1,275	871	17.38	40,797	7,324	3,212	L	1	21,510	1,297	88	7,457	17	52	730	1,452	106	12.64	4,851
GRAND	TOTAL					14.35	T	165	1 2	T 6	2 198	1 107	22,10	40 797	7,324	3.379	825	5.254	24,596	1.765	88	9.817	17	52	1,349	3.002	220	16.06	4,851
GRAND	IUIAL	1				1 14.33	1	100		1 0	1,130	1,101		1 70,101	1 .,024						<del></del>		<del></del>						

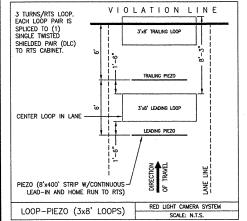
## THERMOPLASTIC AND PAINT QUANTITIES

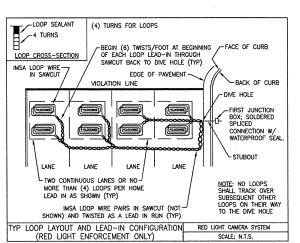
Part		<del>,</del>										4740000000		721000000-E				00000-E		48100	00000 =		483000000 E	4835000000-E	r	4840000000-N	1	r	484	5000000-N		T 490	0000000-N
Mode   1	•	1 1	1			4685000000-E									TUEDNO	TUEDNO			TUEDNO		4"		403000000-2		DAINT		DAINT	DAINT			DAINT		
No   No   No   No   No   No   No   No	PROJECT	COUNTY	WAP	ROUTE	DESCRIPTION																VELLOW		WUITE						DT				
## 1701   1501	1	1 1	i								WHITE THERMO																		KI				MARKERS
No		1 1	1			THERMO	THERMO	THERMO	THERMO	THERMO	1	THERMO	120 M							PAINT	PAINT	PAINT	PAINT	PAINI	RXR	ONLY	SCHOOL	ARROW	ARROW	ARROW	ARROW	MARKERS	
COUNTY   VALUE   STATES   ST	1	1 1	- 1					1	l	1	1	Ì		120 M	120 M	90 M	90 M	90 M	90 M	ĺ				1				1 1				,	
COUNTY   VALUE   STATES   ST		1 1	ı					1	1	1	1							1	1		1			l				1 1				1 '	
Second   Was     Second   Was     Second   Was     Second   Was     Second   Was		1 1				10	1.5	1.5	1	1.5	1 = 1	15	FA	FA	FΔ	FΔ	FΔ	FΔ	FΔ	1F	I.F	LF	LF	L.F	EA	EΑ	EA	EA	EA	EA	EA	EA '	EA
Secretary   Wash   1 Stripe   Park	NO	<del> </del>	NO		OD 111E AVENT FERRY PRITO	LF	LF	<u> </u>	<del> </del>	<del> </del> _		<del></del>	<del> </del>	<u>-</u> -		<u></u>					<del>                                     </del>			ļ									
TOTAL FOR MAP NO. 1  3.4592 3492 1.9 1 10 10 10 10 10 10 10 10 10 10 10 10 1	50 000404	1 1	4 00	4407 DEV.DD		24.022	24.022	į.	1	1	1	l	1				1	l		24 922	24 922			1			1	1 1				156	
TOTAL FOR MAN D. S. 25072151	5C.092131				SR 1116 - CASS-HOLT RD			<del> </del>	<del> </del>	<del> </del>	<del> </del>		<del> </del>				<del> </del>	<del> </del>			24.922							i				156	
## 1071A-FOR PAPA NO. 2    ST 1071A-FOR PAPA NO. 2   ST 1071A-FOR PAPA NO. 3   ST 1071A-FOR PAPA NO. 4   ST 1071A-FOR PAPA NO. 3   ST 1071A-FOR PAPA NO. 4   ST 1071A-FOR PAPA		IOIALFO	OR MAP NO.	.1				<del> </del>		<del> </del>	<del> </del>		<del> </del>	<del> </del>			<del> </del>	<del> </del>	<u> </u>					1				l					
SCR 20021 50 Wass 2 SR 1664 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 20021 50 Wass 2 SR 1664 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SCR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SCR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR 1102 - BLUE RIDGE RR TO SCR 1012 - WESTERN BLVD AND NITERSECTION TO NUT.  SCR	TO.	TAL FOR PE	ROJ NO. 5C.	.092131		24,922			<b></b>	L		ļ		L			<del></del>	L	L					<del> </del>	<del> </del>			<del>                                     </del>		l	L	1	156
SCR 2013 Web 2 RD AND INTERSECTION TO N.T.						L		922	l		L	1	<u> </u>			L					,044		L	<del></del>	L			<u> </u>					
SCR 2013 Web 2 RD AND INTERSECTION TO N.T.		,							·				T			г	T	1		·	T		r	T			1	I I		T		T	
SCR 2013 Web 2 RD AND INTERSECTION TO N.T.	1	1 1						1.	1	Į.		1	ł	i i		l	1	ł		l			l	1	1		l	1 1				1 ,	
STATE   STAT	1	1	SR 16						l	ļ	400	505	1 .	i I		20	-	1 .		2 257	6 022		50	505	1 4		l .	30	5		6	135	116
TOTAL FOR MAP NO. 5    SR 1192 - FIXED TO TO SERVE   SR 1192 - FIXED TO TO SERVE   SR 1193 - FIXED TO SERVE   SR 1193 -	5CR.20921.30	Wake	2		AND INTERSECTION TO N 31.				<del> </del>	<u> </u>			<del></del>				<del> </del>	1 - 2 -						505	1		<del> </del>	30		<u> </u>	6		116
SR 1152 - HOLL   SR 1		TOTAL FO	OR MAP NO.	. 2			6,822	2,357			100	292	44			30	<del>                                     </del>	<del>                                     </del>	-	2,331	0,622			1 303			<del> </del>					+	1.0
SR 1152 -HOLLY   PAWEMENT PROJECT AT SUNSET   46,435   52,570   3,237   810   975   500   24   41   12   8   2		1 1	- 1				l		1	1	1		1	1 1		l	1	1	1	i	1			1			1	1 1		1		,	
SPRINGS RO LAKE 46,435 52,570 3,237 810 975 500 24 411 12 8 2	1	1 1	1		MAIN ST. (EXCLUDE NEW	}	1	1	1	1			1				ı	1	1	!	i			1			1	1 1		1		1 '	
TOTAL FOR MAP NO.3    STATISTICAL FOR MAP NO.4   STATISTICAL FOR MAP NO.5   STATISTICAL FOR MAP NO.6	1	1					1						1	l l		١					i i				1		1	1 1		1	1	200	250
TOTAL FOR MAP NO. 5    S					LAKE)												12	1 8	2					<del> </del>			ļ	<del> </del>					
FARROAD   WHELER RD   23,810   28,700   760   60   8   13   3   1		TOTAL FO	OR MAP NO.	. 3		46,435	52,570	3,237	810	975	4	500	1	24		41	12	<del>                                     </del>	2		ļ			<del></del>	<del> </del>		<del> </del>	ļI			<b></b>	1 393	233
TOTAL FOR MAP NO. 5  SR 1301 - PURFOV RD  ILNE  37,890  41,390  722  222  112  5 SR 1301 - PURFOV RD  ILNE  37,890  41,390  722  222  112  5 SR 100- TRYON RD  FROM STORY NO. 10  SR 1009- TRYON RD  FROM STORY NO. 10  SR 1102- HOLLY  7 SPR 1102- HOLLY  1 SPR 110							1	1	1	ı	1							i		l	1	1	1		l		ļ	1 1		1	i	1 400	07
CHAIR FOLK MAP NO. 7	1	1			WHEELER RD				L	<u> </u>	1	60			8	10	3	<b></b>	1	<b></b>	<b></b>			ļ			ļ						21
SR 1301 - PURFOY RD		TOTAL FO	OR MAP NO.	), 4		23,810	26,700	760		1	1	60	1		8	13	3		11		<u> </u>						<b></b>	ļ	ļ			160	21
TOTAL FOR MAP NO. 5    S   SR 1009 - TRYON RD   Line   37,960   41,990   722   222   112   112   112   112   112   113   114   115   114   115   114   115   114   115   115   114   115					42/55 - N MAIN ST TO COUNTY							i	1	1 1			1	1			ı		l	1	1			1 1				1 '	
CRAIN FOLLOW MAY NO. 5   SA RESURFACING PROJ. TO CITY   STATE OF MAY NO. 6   TOTAL FOR MAY NO. 7   TOTAL FOR	İ	1 1	5 SR 13	301 - PURFOY RD	LINE	37,960					1					<u> </u>		<u> </u>						<u> </u>			<u> </u>			ļ			58
6 SR 1009 - TRYON RD TOTAL FOR MAP NO. 5  TOTAL FOR MAP NO. 7  TOTAL FOR PROJECT  SR 1152 - HOLLLY SPRINGS RD TOTAL FOR PROJ NO. 5CR 20921.30  TOTAL FOR PROJ NO. 5CR		TOTAL FO	OR MAP NO	), 5		37,960	41,390	722	222			112				<u> </u>	1	L							<u> </u>			ļI			<u> </u>	350	58
TOTAL FOR MAP NO. 6   SR 1152 - HOLLY   SR 1152		T			64 RESURFACING PROJ. TO CITY			T			Ì	l .					1	1	1	İ	1			l	I			1 1		1		1	
FROM JOINT SOUTH OF CLIRVE WIDENING AT SOUTH BRIER DRIVE SPRINGS RD SOUTH BRIER DRIVE 1,569 8.25 81 2.0 10.0 1,542 4 24 20 112 26 30 13 5,704 6,822 155 50 870 4 12 58 11 22 10 1,216 678	1	1 1	6 SR 1	1009 - TRYON RD	PROJECT	1		3,347		1	i	275	1		12	28	6	13	4	3,347	İ				1	14		28	6	13	4	-	
FROM JOINT SOUTH OF CURVE WIDENING AT SOUTH BRIER DRIVE TO JOINT NORTH OF SOUTH BRIER DRIVE TO JOINT NORTH OF SOUTH BRIER DRIVE 1,569 825 81 20 1050 1150 1150 1150 1150 1150 1150		TOTAL FO	OR MAP NO	). 6				3,347		T		275			12	28	6	13	4	3,347	J		L	275	L	12	L	28	6	13	4		218
SR 1152 - HOLLY   SR 1152 -		1	T	<del></del>	FROM JOINT SOUTH OF CURVE	1		1		1														1	1		1	1 1	l	ı	l	1 '	
SR 1152 - HOLLY   DRIVE TO JOINT NORTH OF   1,569   825   81   20   165   16	1	1 1	1			1	l	1	1	1	1		1	1		1	1	1		1	I	·	1	1	1			1 1	1	i		1 '	
7   SPRINGS RD   SOUTH BRIER DRIVE   1,569   825   81	1	1 1	SR	2 1152 - HOLLY		i	1	1	Į.	1	1	1	i	1 1		1	1	1	1	l	ŀ	Ì		ı	1		1	1 1	1.		i	1 '	
TOTAL FOR MAP NO. 7		1 1				1 569	825	81		1	1	1	1			l	i	1	İ	1					1		1	l					
TOTAL FOR PROJ NO. 5CR 20921.30  109,774 128,307 10,504 1,032 975 100 1,542 4 24 20 112 26 30 13 5,704 6,822 165 50 870 4 12 58 11 22 10 1,060 678  138,811 2,007 4 12 38,811 2,007 1,060 678  CRAIN TOTAL  CRAIN TOTAL  CRAIN TOTAL  CRAIN TOTAL  134,696 153,229 10,504 1,032 975 100 1,542 4 24 20 112 26 30 13 30,626 31,744 165 50 870 4 12 58 11 22 10 1,216 678		TOTAL F			JOST T. T. MER BIRITE				<b>†</b>	<b>†</b>	T	1	1	1		T	7	1				165											
TOTAL FOR PROJ NO. 5CR 20921.30 138,811 2,007 48 181 12,526 16 101 1,738									1.032	975	100	1.542	4	24	20	112	26	30	13	5,704	6,822	165	50	870	4	12		58	11	22	10		
CRAID TOTAL 134,696 153,229 10,504 1,032 975 100 1,542 4 24 20 112 26 30 13 30,626 31,744 165 50 870 4 12 58 11 22 10 1,216 678	TOT	AL FOR PR	0J NO. 5CR.	1.20921.30	<del></del>	1					<del> </del>	1	<del>                                     </del>	48		1	-	181		12	.526		1	1		16				101			1,738
CRAND TOTAL 134,990 135,229 10,904 1,032 979 100 1,042 4 24 20 112 20 10 10 1,042 4 24 20 112 20 10 10 1,042 4 24 20 112 20 10 10 1,042 1 10 10 10 10 10 10 10 10 10 10 10 10 1	-				L	J	1	<u> </u>								•					<del>/</del>												
		<del></del>			I	134 696	153 229	10 504	1.032	975	100	1.542	1 4	24	20	112	26	30	13	30,626	31,744	165	50	870	4	12	1	58	11	22	10	1,216	678
	1	GRA	ND TOTAL			1.04,000					1	†	1	48	L	<del> </del>		181						1		16		1		101		T	1,894

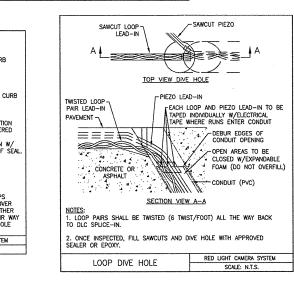


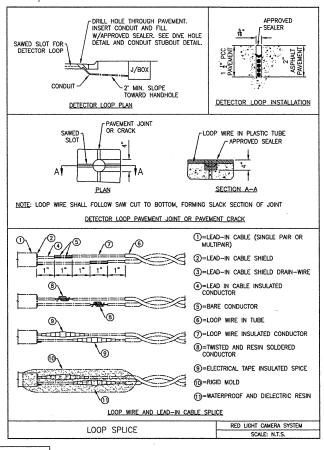


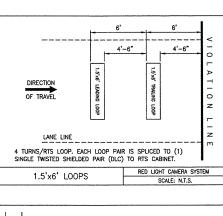


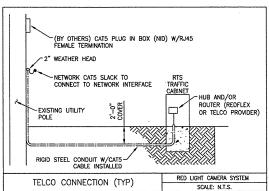


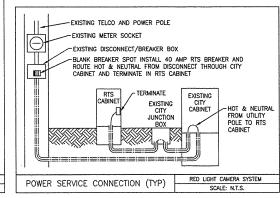


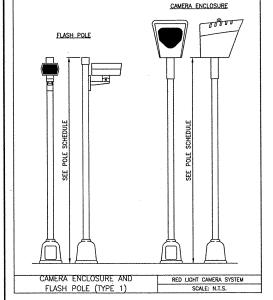


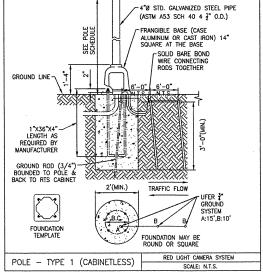


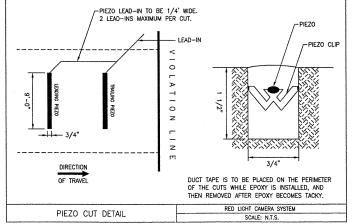


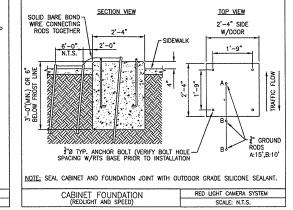




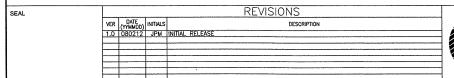








# NOT TO SCALE





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X	DESIGNED BY:		DEPARTMENT	INITIAL	DATE			
40	DESIGNED DI.	CB	PUBLIC WORKS (OPER.)					
VIS	CHECKED BY:		PUBLIC WORKS (ENV.)			PUBLIC WORKS DIRECTOR / TOWN EN	GINEER DATE	
T			PUBLIC WORKS (WATER)			RECOMMENDED BY:	RECOMMENDED BY:	1
0	RECOMMENDED B	Y:	PUBLIC WORKS (TRAF.)			]		1
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CARY
REDLIGHT PHOTO ENFORCEMENT DETAIL(S)

-

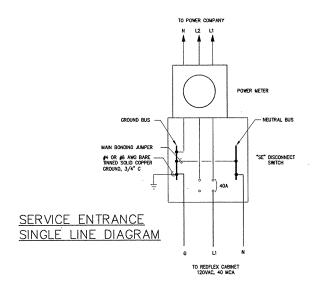
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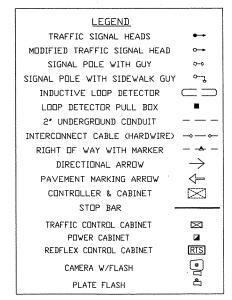
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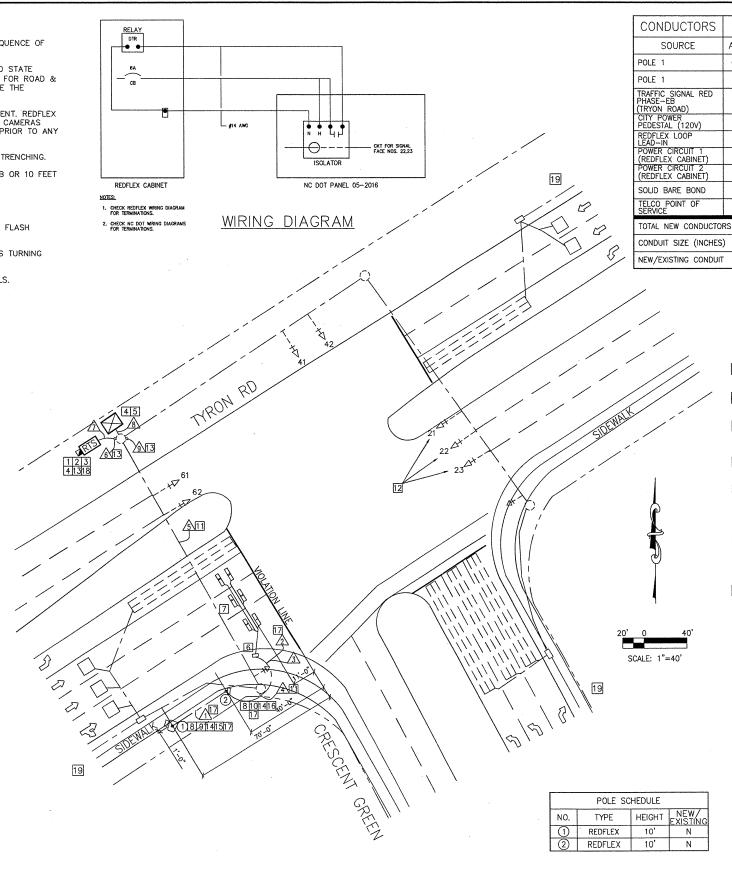
-102



- REFER TO THE PROJECT DOCUMENT FOR DETAILED SCOPE OF WORK, SEQUENCE OF WORK, EQUIPMENT AND INSTALLATION SPECIFICATIONS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH APPLICABLE LOCAL AND STATE
  2. CODES INCLUDING OSHA. THE (NCDOT) 2002 STANDARD SPECIFICATIONS FOR ROAD &
  STRUCTURES, AND SIGNALS & TRAFFIC MANAGEMENT SYSTEMS SHALL BE THE
  MINIMUM STANDARD ACCEPTANCE.
- NCDOT WILL BE RESPONSIBLE TO MAINTAIN ALL TRAFFIC SIGNAL EQUIPMENT. REDFLEX 3. TRAFFIC SYSTEMS SHALL BE RESPONSIBLE TO MAINTAIN THE RED LIGHT CAMERAS AND MISCELLENEOUS EQUIPMENT. CONTACT THE APPROPRIATE PARTIES PRIOR TO ANY WORK AT THE INTERSECTION.
- LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DRILLING AND CONDUIT TRENCHING.
- LOCATE PROPOSED POLES A MINIMUM OF 6 FEET BEHIND FACE OF CURB OR 10 FEET 5. FROM EDGE OF TRAVEL WAY UNLESS OTHERWISE SHOWN ON PLANS.
- PROVIDE ONE  $5/8^\circ$  X 10° GROUND ROD AT EACH POLE LOCATION. 6. SET ALL DETECTOR UNITS TO PRESENCE MODE.
- WHEN IN FLASH MODE, ALL SIGNAL FACES FOR SAME APPROACH SHALL FLASH 7. CONCURRENTLY.
- PLACE CABINET SO AS NOT TO OBSTRUCT SIGHT DISTANCE OF VEHICLES TURNING 8. RIGHT ON RED.
- REFER TO DRAWING NC-ED001 FOR INSTALLATION SECTIONS AND DETAILS.







CONDUCTORS		CONDUITS																	
SOURCE	AWG#	1	2	$\sqrt{3}$	4	<u>/</u> 5\	6	$\overline{A}$	/8\	<u>/</u> 9\	19	11	12	13	14	13	16	ΛÀ	TERMINATION
POLE 1	CAT5																		REDFLEX CABINET
POLE 1	#18	1																	POLE 2 FLASH UNIT
TRAFFIC SIGNAL RED PHASE—EB (TRYON ROAD)	#14																		REDFLEX CABINET
CITY POWER PEDESTAL (120V)	#8						2	2											REDFLEX CABINET
REDFLEX LOOP LEAD-IN	DLC																		REDFLEX CABINET
POWER CIRCUIT 1 (REDFLEX CABINET)	#10	2	2	2	2	2	2	2											POLE 1
POWER CIRCUIT 2 (REDFLEX CABINET)	#10																		POLE 2
SOLID BARE BOND	#8	1	1	1	1	1	1	1											ALL REDFLEX EQUIPMENT
TELCO POINT OF SERVICE	CAT5																		REDFLEX CABINET
TOTAL NEW CONDUCTO	6	7	13	13	13	12	12	4	1										
CONDUIT SIZE (INCHES																			
NEW/EXISTING CONDUIT		Ν	N	Ν	Ν	N	N	N	Ε	N									

## CONSTRUCTION NOTES

- 1 INSTALL REDFLEX CONTROL CABINET. INSTALL 5/8"X8' GROUND ROD AND BOND TO CABINET WITH #8 BARE Cu.
- $\fbox{2}$  CONTRACTOR SHALL TERMINATE ALL POWER CIRCUITS INTO REDFLEX CABINET.
- 3 INSTALL INLINE FUSE HOLDER ON RED PHASE CONDUCTOR WITH 5 AMP FUSE INSIDE REDFLEX CABINET, TO PROTECT NCDOT EQUIPMENT. INSTALL ISOLATION DEVICE.
- [4] INSTALL A NEW METER SERVICE FOR 120V SUPPLY TO REDFLEX CABINET. COORDINATE FOR POWER SERVICE.
- [5] TERMINATE #14 RED PHASE AND NEUTRAL INTO AN ISOLATED RED PHASE AND NEUTRAL IN THE TRAFFIC SIGNAL BLOCK. SEE CONDUCTOR SCHEDULE FOR APPROACHES.
- 6 INSTALL JUNCTION BOX.
- 7 INSTALL LOOPS AND CONDUIT STUBOUT FOR REDFLEX DETECTION. EACH LOOP MUST HAVE A SEPARATE HOME RUN AND LOOP LEAD IN CABLE. MAXIMUM 2 LOOPS PER SAWCUT. REDFLEX LOOPS TO BE LABELED AT REDFLEX CABINET. REPLACE NCDOT LOOPS IF REQUIRED, TO NCDOT STANDARDS. SEE LOOP DETAIL AND DRAWING FOR QUANTITY AND LOOP ID#.
- [8] INSTALL POLE 1 40' OF VIOLATION LINE AND MIN. 10' FROM FACE OF CURB. INSTALL POLE 2 70' OF VIOLATION LINE AND MIN. 6'-0 BEHIND FACE OF CURB. COORDINATE THE EXACT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
- 9 INSTALL CAMERA AND FLASH ENCLOSURE ON REDFLEX POLE, AIM AT SIGNAL HEAD
- 10 INSTALL FLASH UNIT ON REDFLEX POLE, AIM AT VIOLATION LINE.
- [1] ROUTE LEAD IN CABLE INSIDE THE EXISTING POLE THEN OUT OF THE TOP TO SIGNAL SPAN TO CROSS ROAD TO REDFLEX CABINET.
- 12 INSTALL AMBER AND RED LED'S SO SIGNAL HEAD IS VISIBLE TO REDFLEX CAMERA
- 13 INSTALL 2" CONDUIT RISER ON TELCO POLE, UP TO RISING 10' AS NECESSARY, TO MATE WITH TELCO INTERFACE. INSTALL DUCT SEAL TO PREVENT MOISTURE.
- 14 CONNECT POLE TO SOLID BARE BOND GROUND, CREATING ONE SYSTEM GROUND.
- 15 TERMINATE POLE TO REDFLEX CABINET POWER CIRCUIT #1 (HOT & NEUTRAL )
- [16] TERMINATE POLE TO REDFLEX CABINET POWER CIRCUIT #2 (HOT & NEUTRAL)
- 17 ROUTE THE NEW CONDUIT AND PREVENT INTERFERENCE WITH THE EXISTING U/G WIRING
- 18 COORDINATE FOR INTERNET CABLE/DSL SERVICE.
- 19 INSTALL "RED LIGHT PHOTO ENFORCED" SIGNS AT ALL FOUR ENTRANCES TO INTERSECTION, BETWEEN 150 AND 300 FEET AWAY FROM THE VIOLATION LINE. TOWN OF CARY TO PROVIDE SIGNS.

	SEAL				REVISIONS		
١		MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD
		0	02/03/04	HBT	RELEASED FOR CONSTRUCTION	02/03/04	HBT
			<b></b>				<b>—</b>
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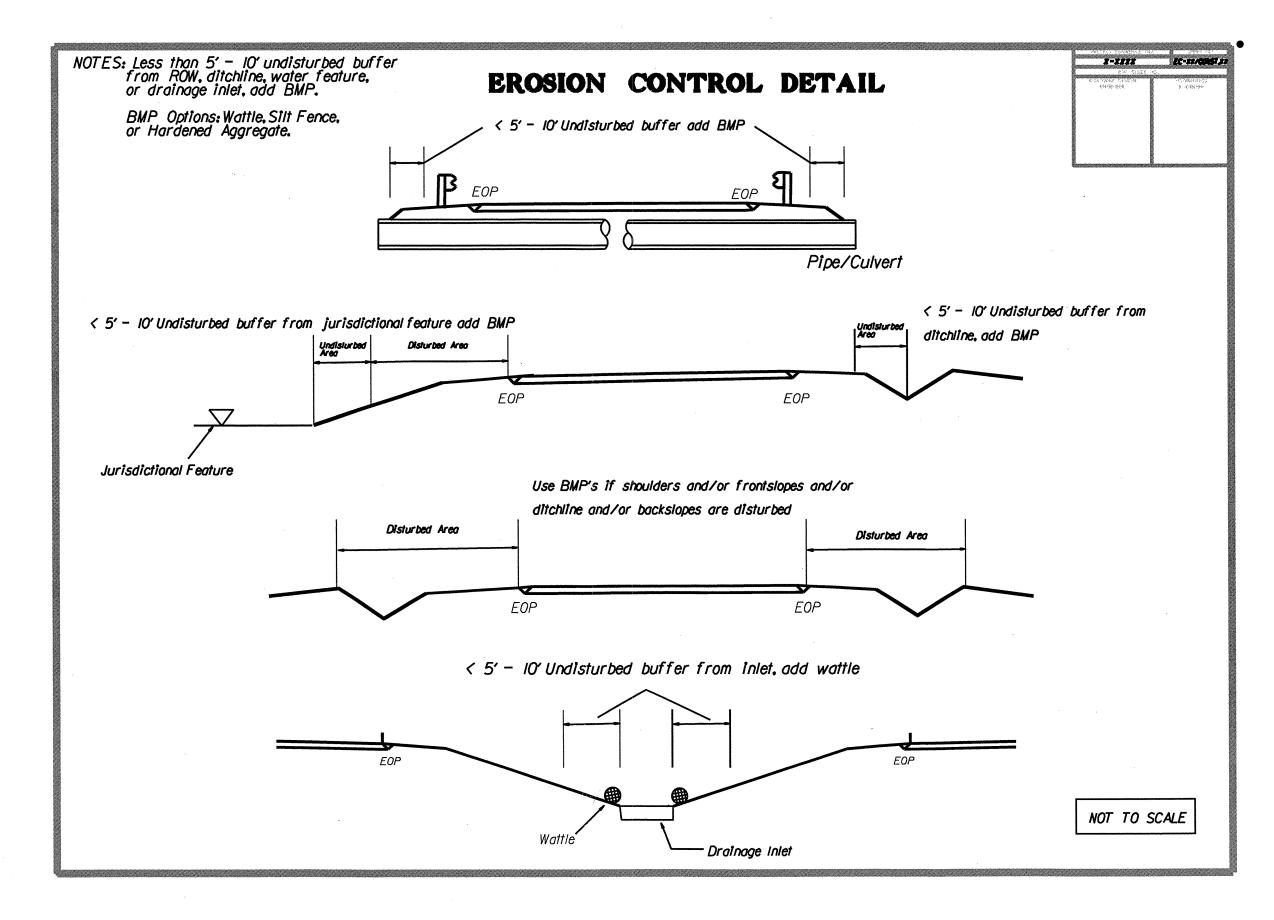






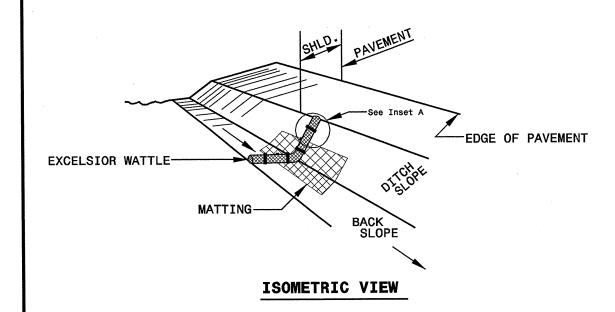
TOWN OF CARY	
REDLIGHT PHOTO ENFORCEMENT	SHEET 1
TRYON ROAD AND CRESCENT GREEN	OF 1 SHEETS
1599 CRESCENT GREEN, CARY, NC 27511	NC-EP003

5CR, 20921.30

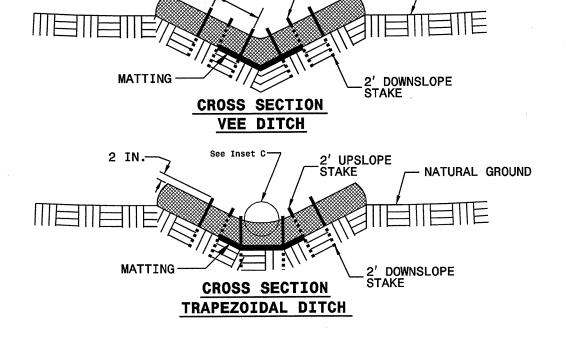


# WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

-NATURAL GROUND



2'(MAX.)



2' UPSLOPE STAKE

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

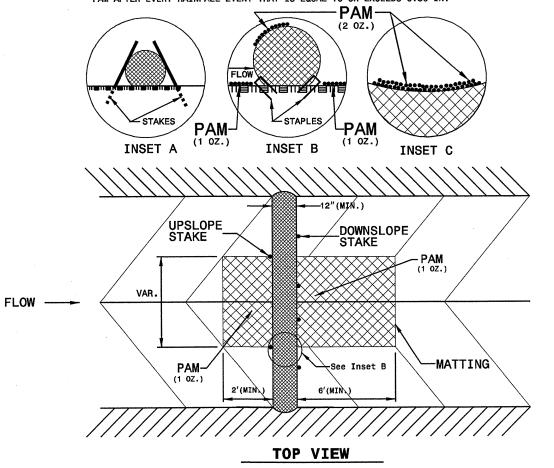
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

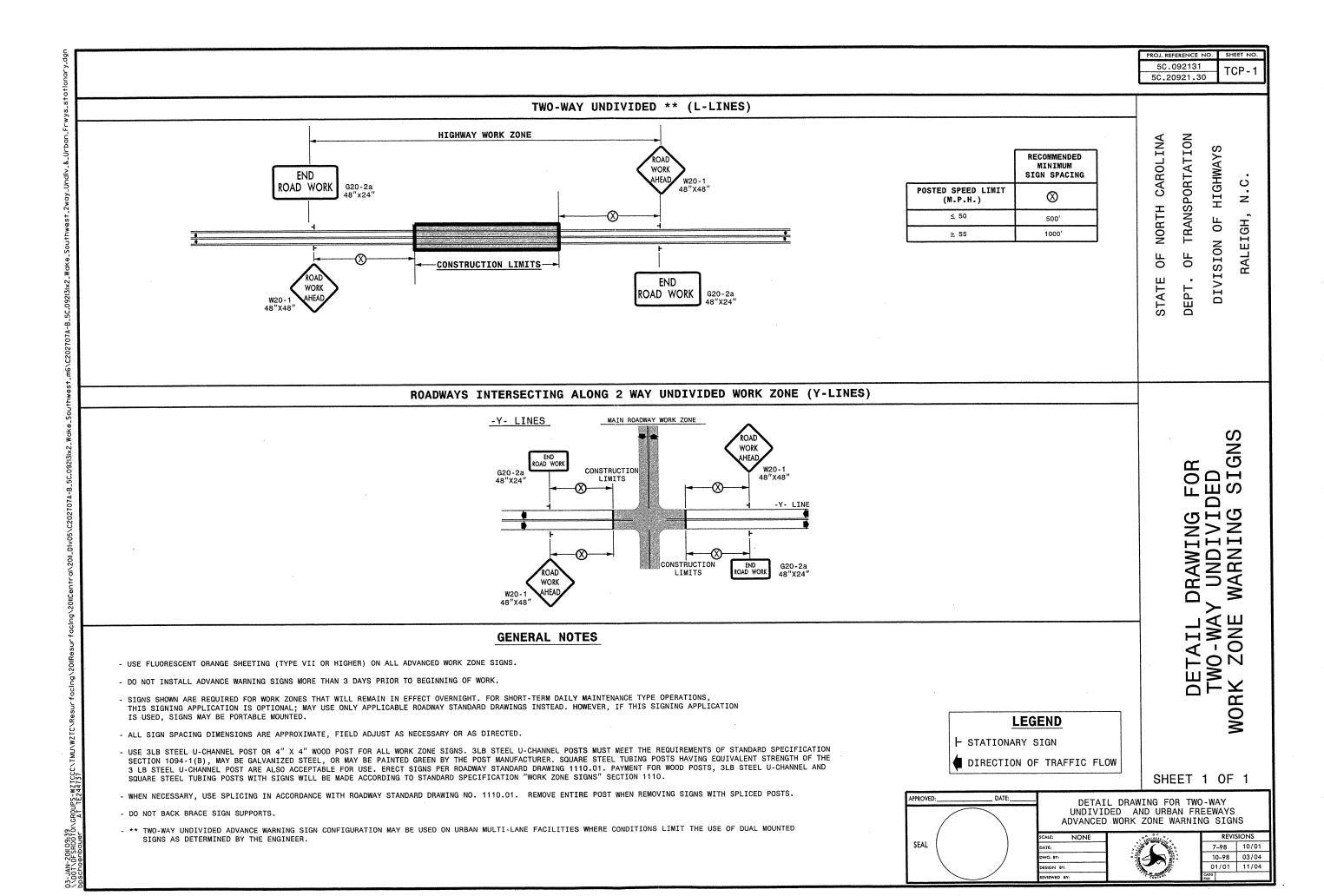
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

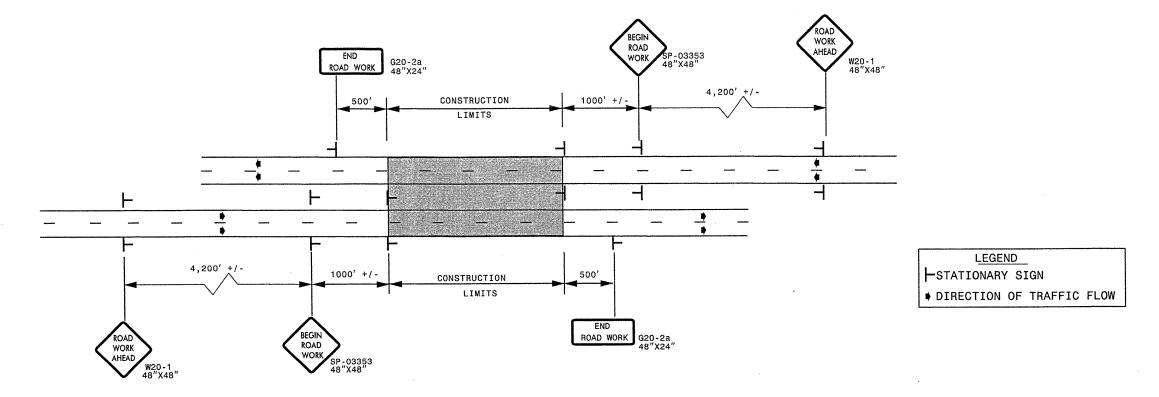




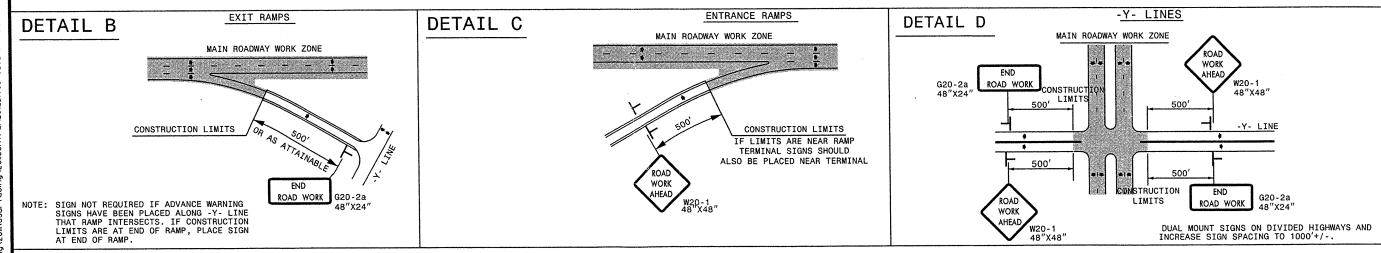
## ADVANCED WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

PROJ. REFERENCE NO. SHEET NO. 5C.092131 TCP-2

DETAIL A

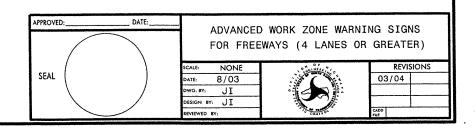


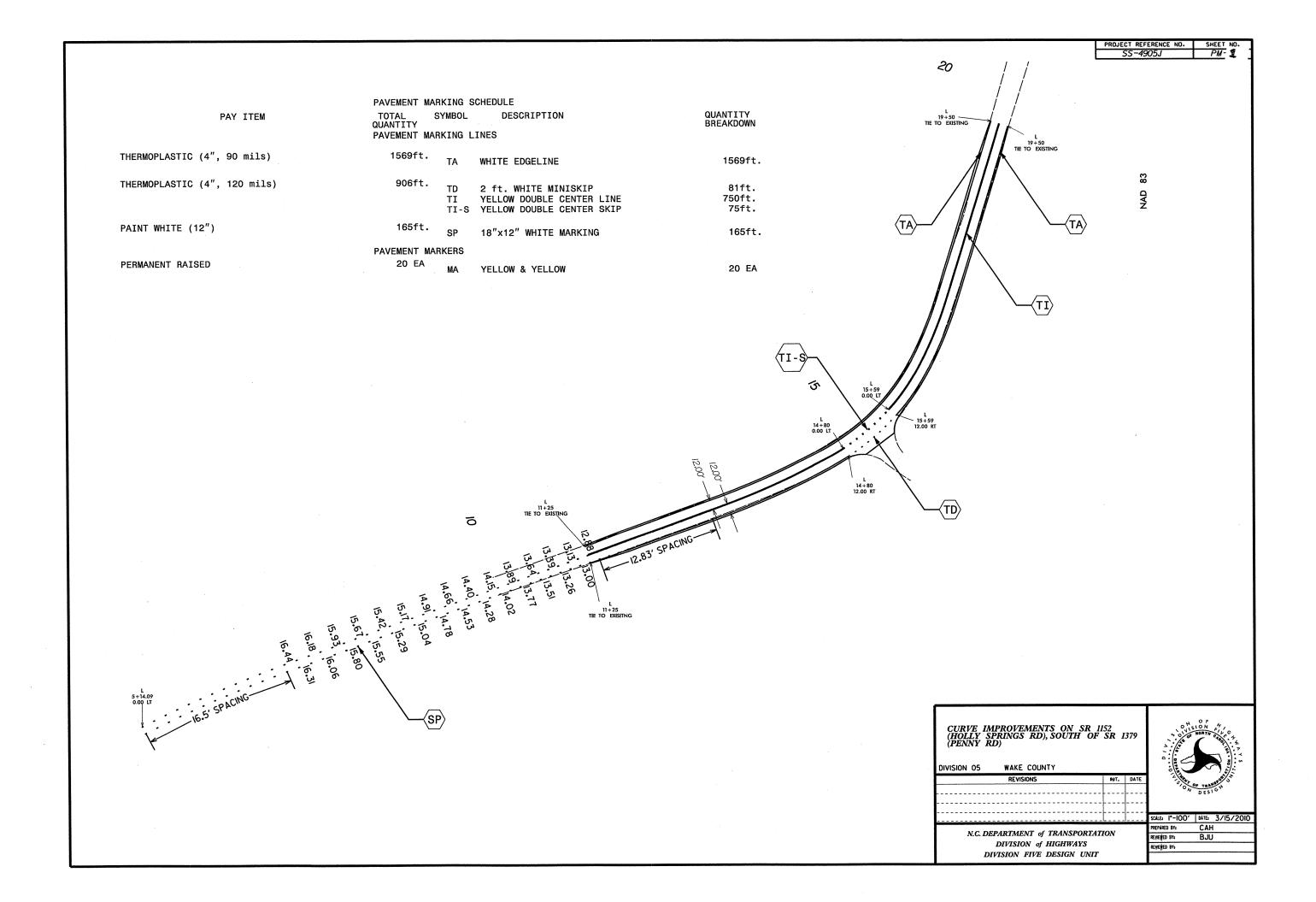
★ USE THE "\$250 SPEEDING PENALTY" SIGN, SPEED LIMIT SIGN, AND ORANGE PANEL; ONLY WHEN A "\$250 SPEEDING PENALTY" ORDINANCE HAS BEEN ISSUED BY THE REGIONAL TRAFFIC ENGINEER.

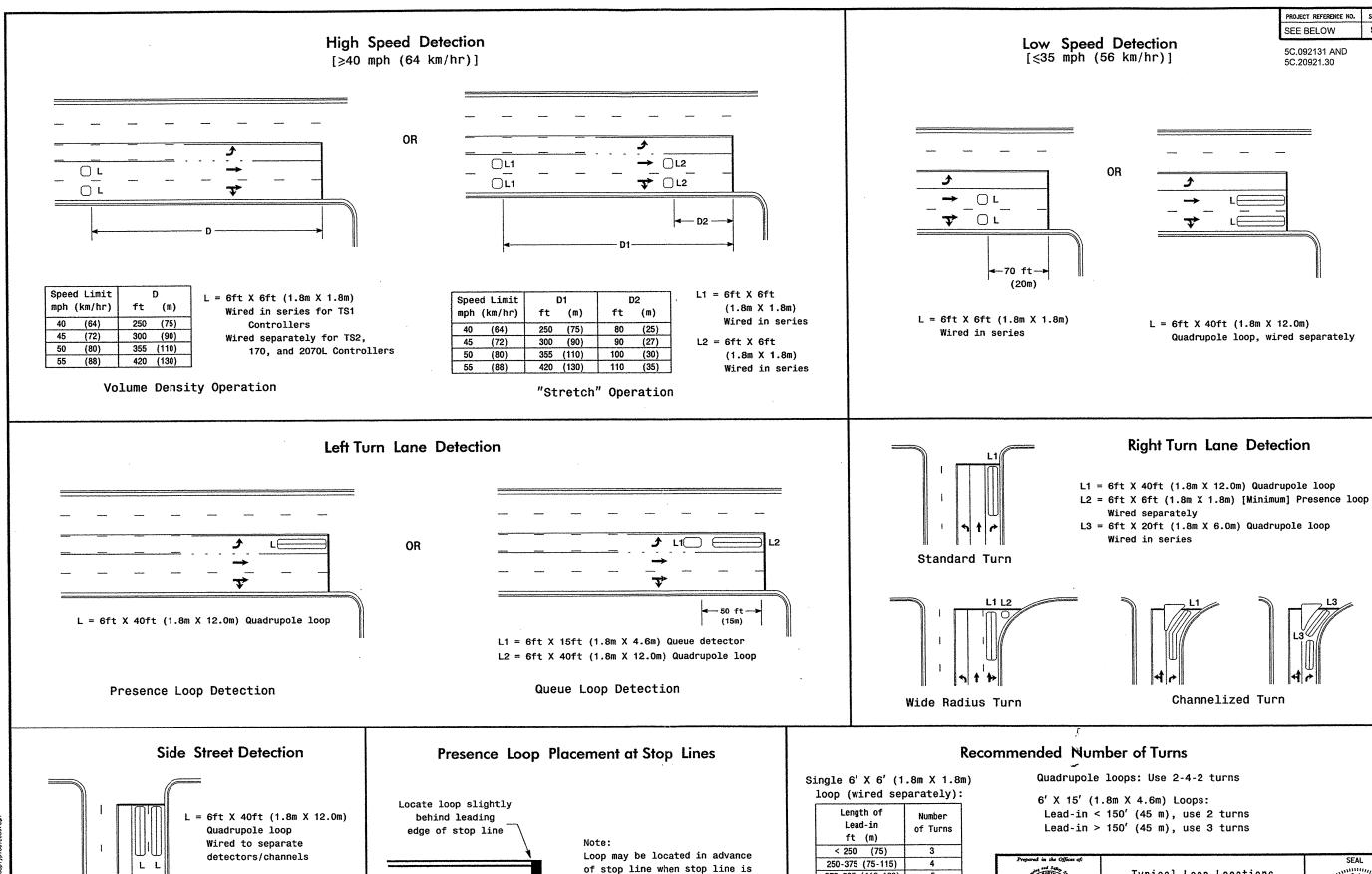


#### GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.







greater than 15' (4.5m) from edge

of intersecting roadway; or, when loop detects a permissive or protected/permissive left turn.

---- Inductive Loop

375-525 (115-160)

> 525 (160)

PROJECT REFERENCE NO.

SEE BELOW

5C.092131 AND

5C.20921.30

Typical Loop Locations

PLAN DATE: June 2006 REVIEWED BY:
PREPARED BY: P L Alexander REVIEWED BY:

REVISIONS

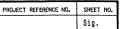
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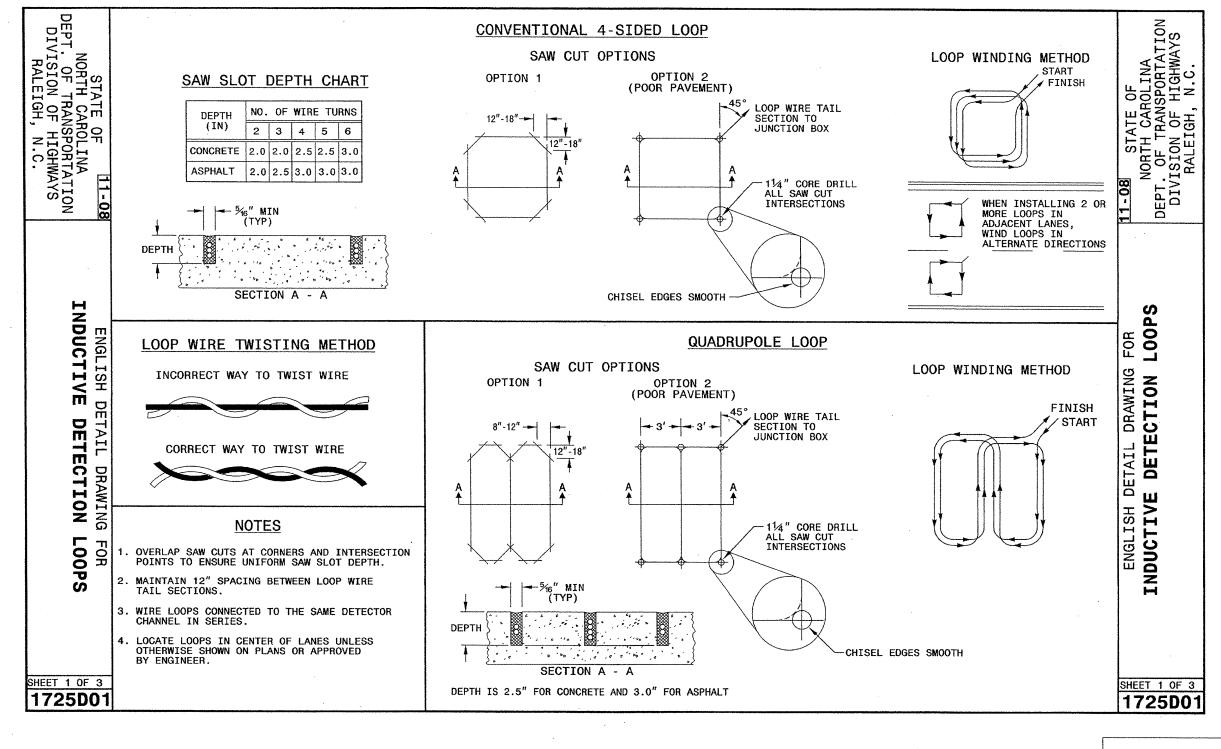
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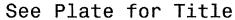
SHEET NO.

SIG 1



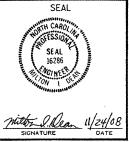








750 N. Greenfield Parkway Garner, NC 27529



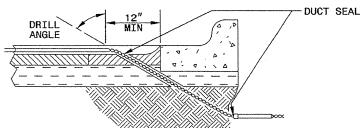
PROJECT REFERENCE NO. SHEET NO. Sig.

STATE OF

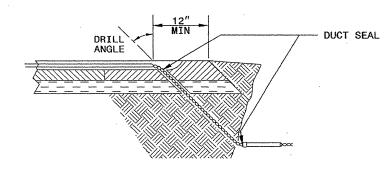
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. LOOP WIRE SPLICE POINT DETAILS LOOP WIRE AT JUNCTION BOX DUCT SEAL-JUNCTION SPLICE DUCT SEAL TWISTED LOOP WIRE TAIL SECTION -LEAD-IN CABLE ELBOW JOINT ENGLISH DI (TYP AT BENDS) LOOP WIRE AT POLE -LEAD-IN CABLE METALLIC CONDUIT (SIZE VARIES) DETAIL I CONDULET WIRE - WOOD POLE CTION LOOP NOTE SPLICE ALL LOOP WIRE TAIL SECTIONS/LEAD-IN CABLE IN JUNCTION BOXES OR APPROVED CONDULETS. SHEET 2 OF 3 1725D01

### 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.

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

ENGLISH DETAIL DRAWING FOR INDUCTIVE DETECTION LOOPS
LOOP WIRE DETAILS

SHEET 2 OF 3 1725D01

## See Plate for Title





1+18

