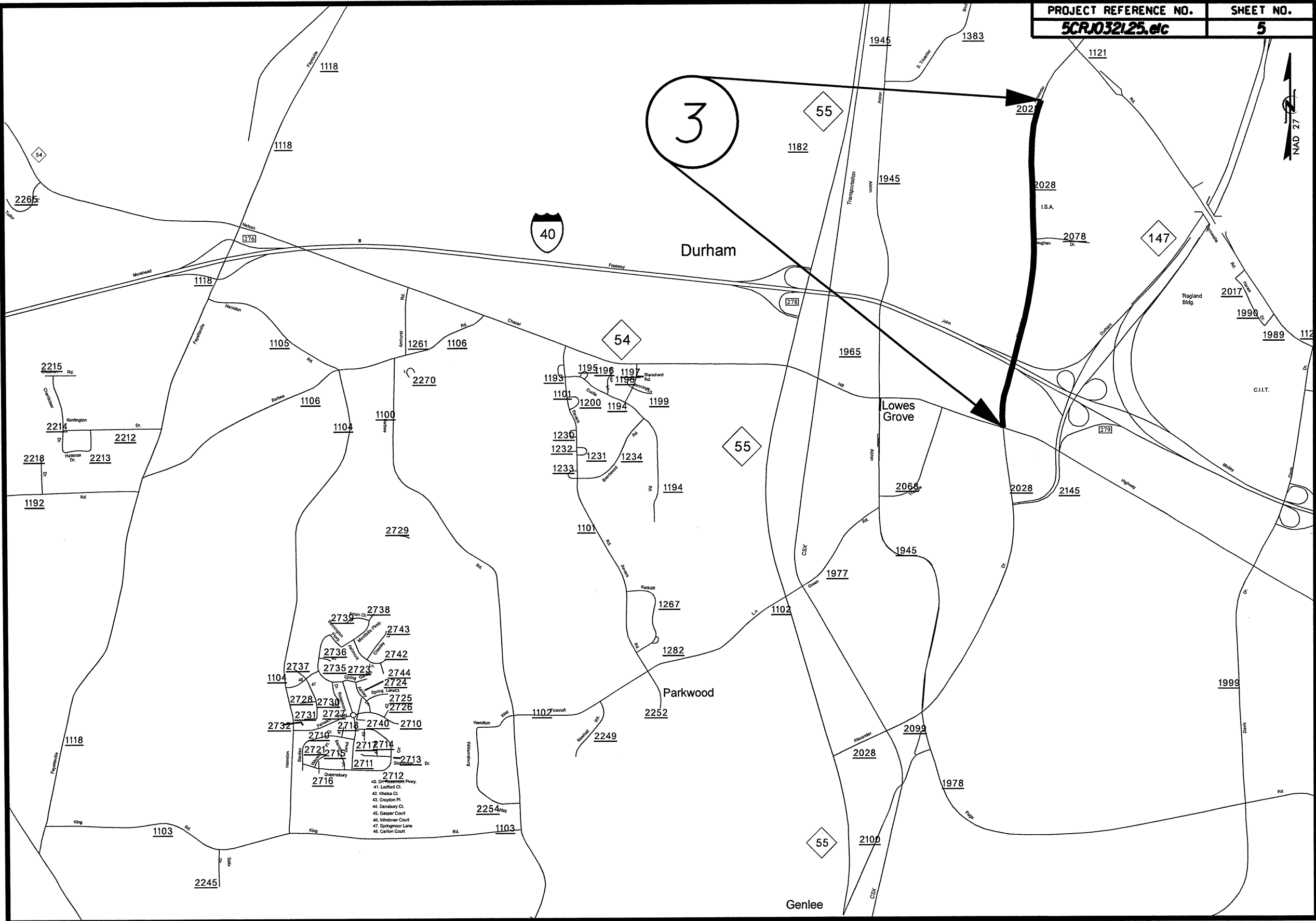
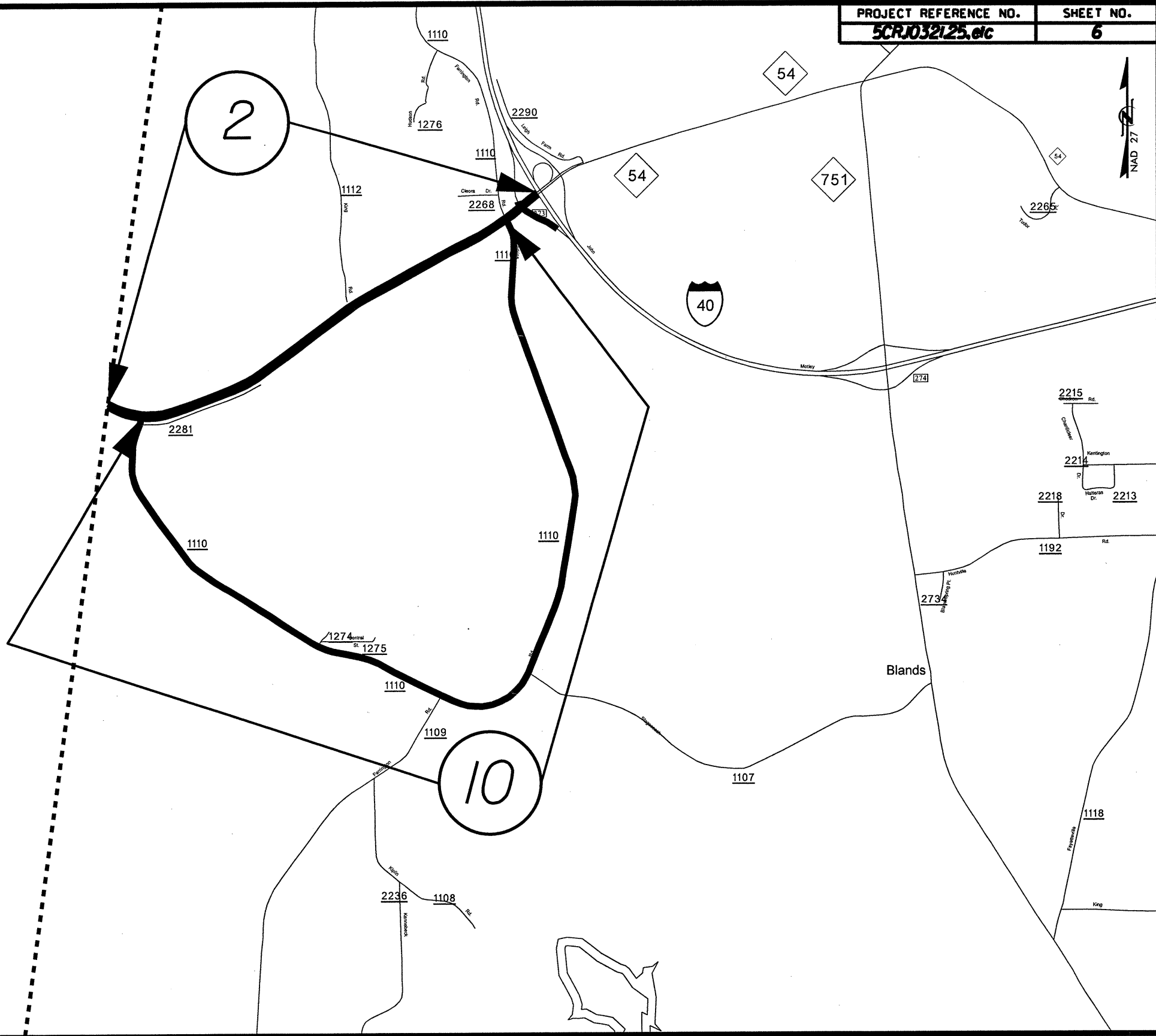




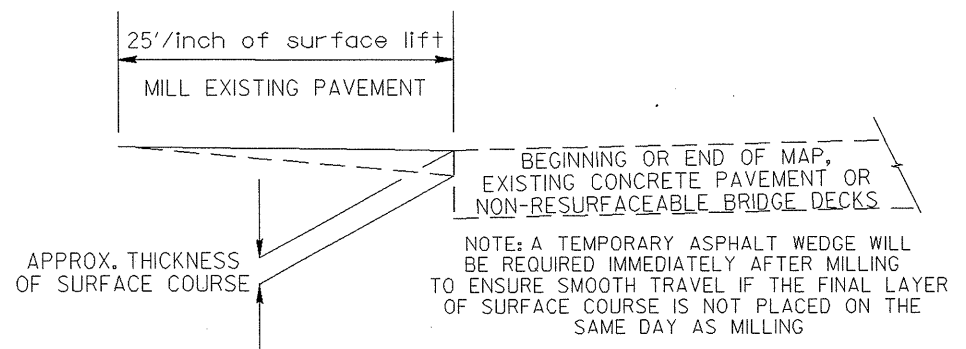
3





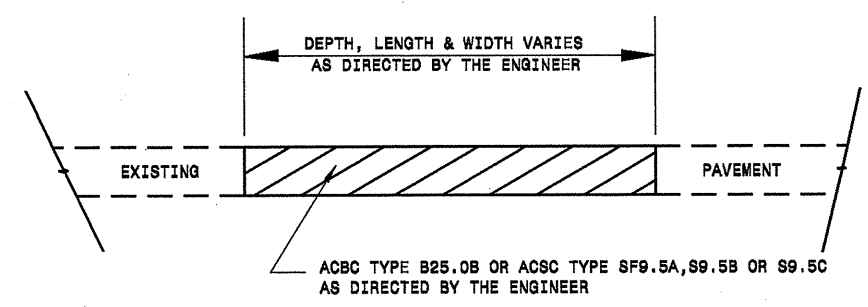
PAVEMENT SCHEDULE

C1	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
D	2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	1.5" MILLING
V2	2" MILLING
V3	2.5" MILLING
V4	1.5" TO 3" MILLING, NEW PAVEMENT TO BE FLUSH WITH GUTTER

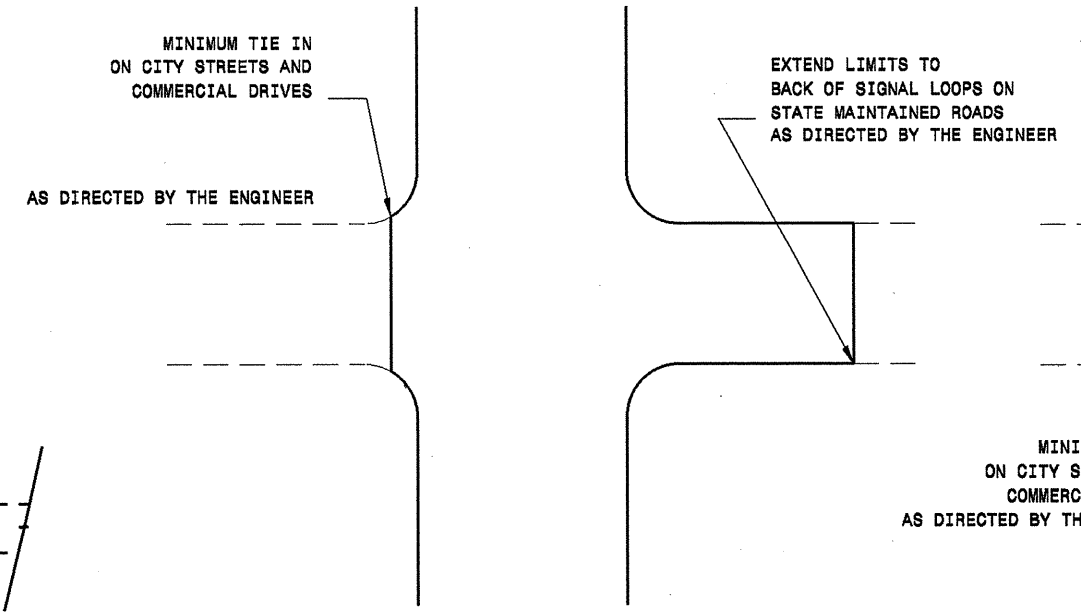


NOTES

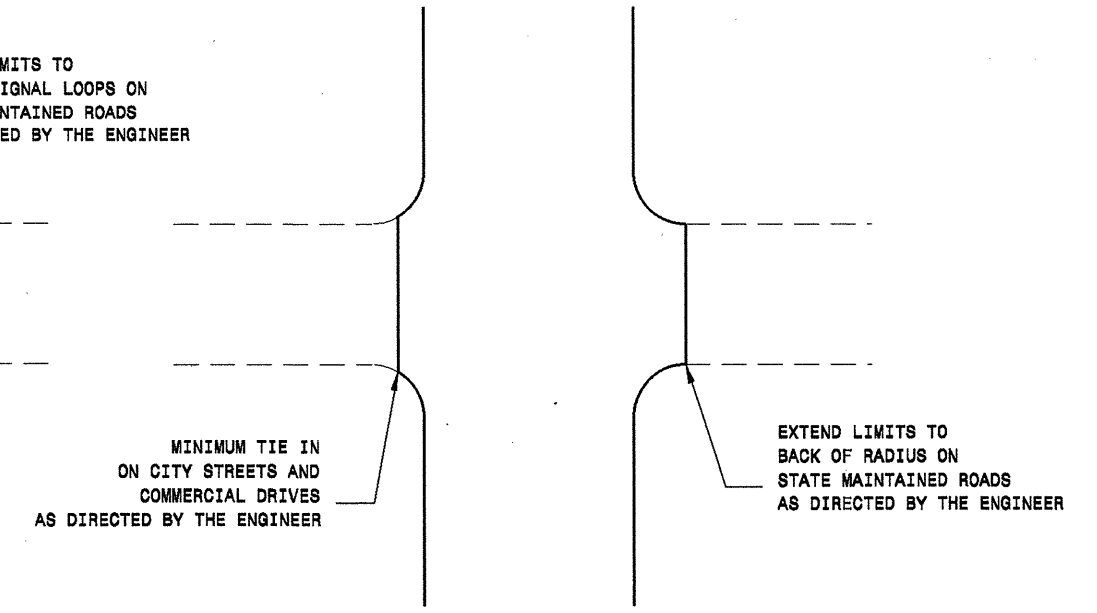
ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 BRIDGES TO BE RESURFACED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



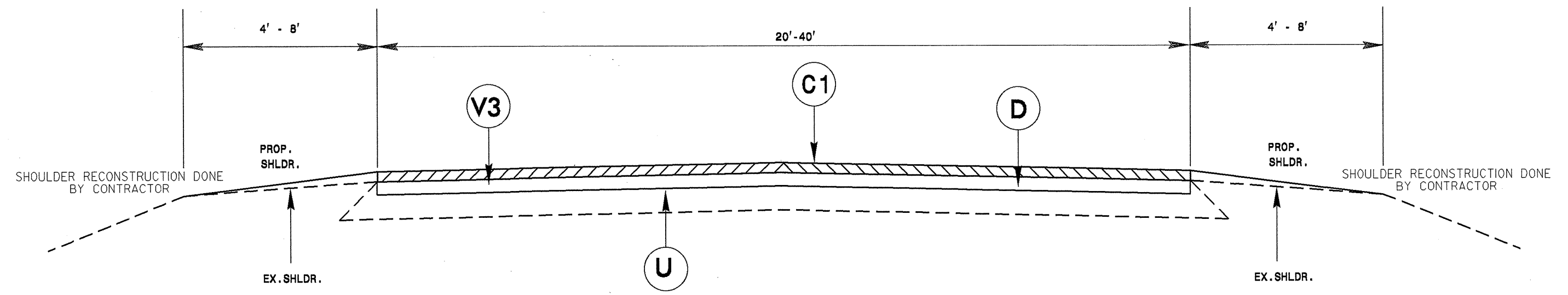
PATCHING EXISTING PAVEMENT



DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

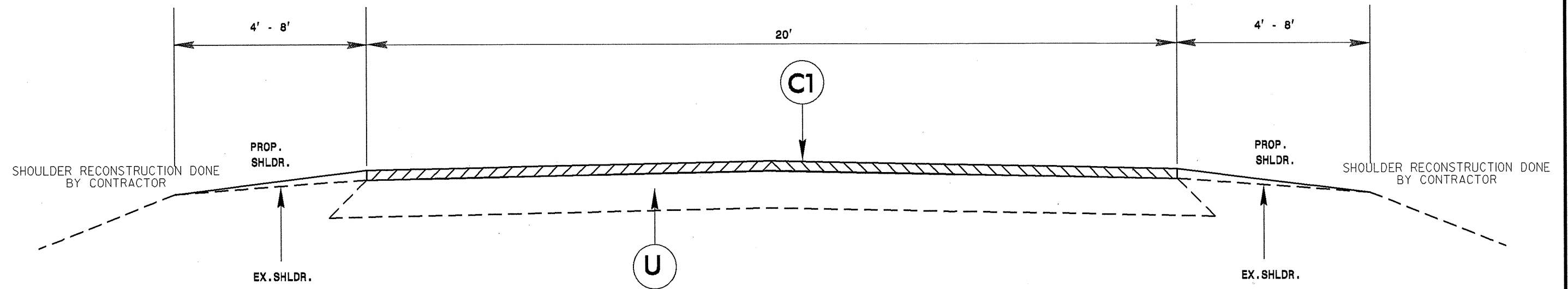
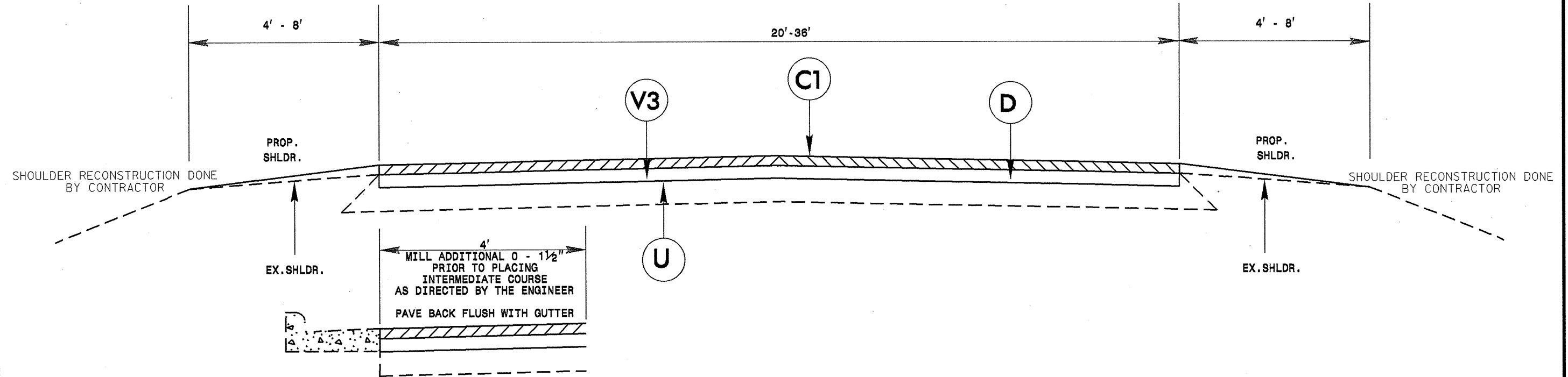


USE ON MAP 4 FROM SR 1171 TO BRIDGE OVER NC 147

TYPICAL SECTION NO. 1

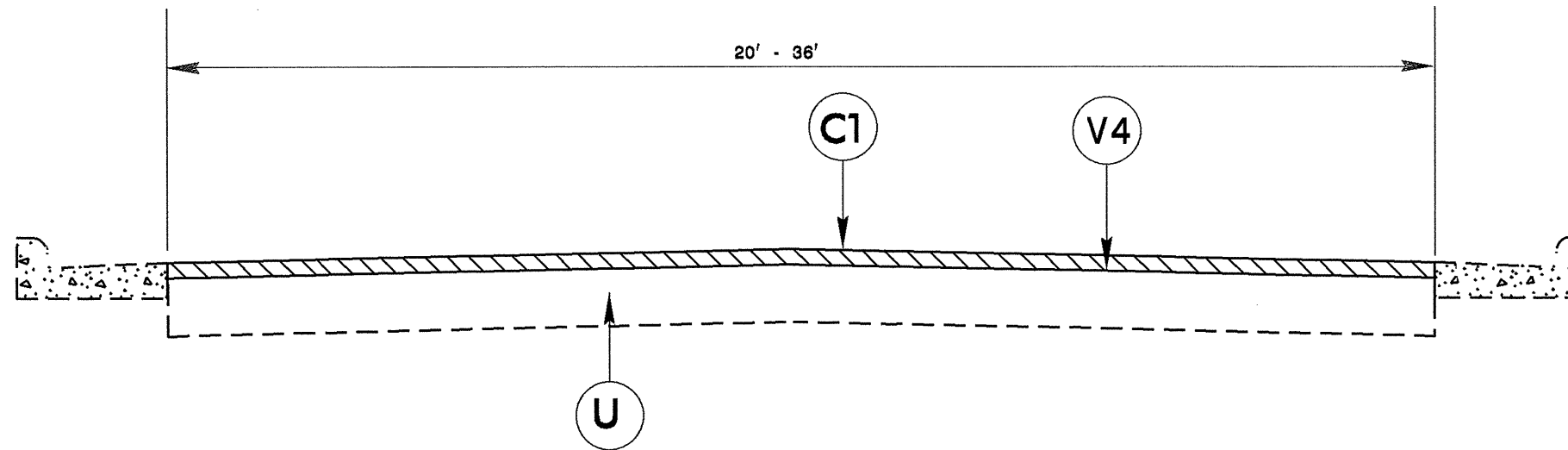
PAVEMENT SCHEDULE

C1	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	V1	1.5" MILLING
C2	2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.	V2	2" MILLING
D	2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.	V3	2.5" MILLING
U	EXISTING PAVEMENT	V4	1.5" TO 3" MILLING, NEW PAVEMENT TO BE FLUSH WITH GUTTER

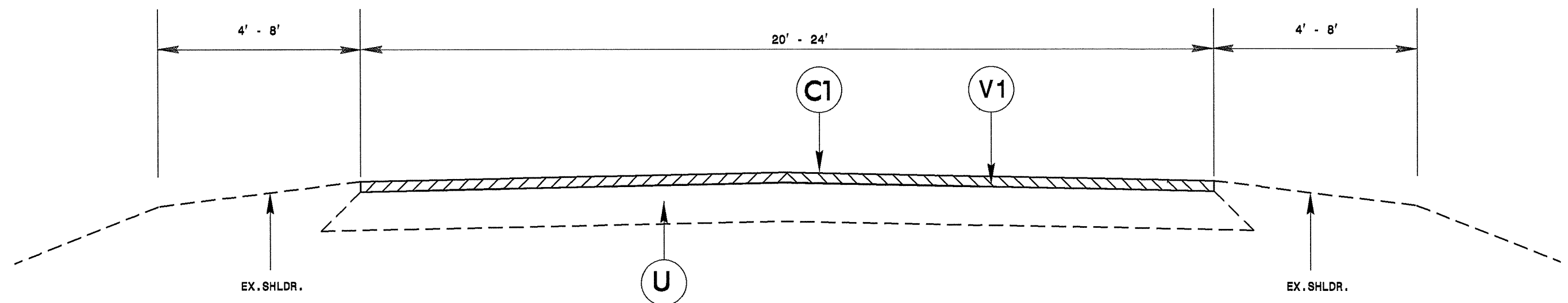


PAVEMENT SCHEDULE

C1	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	V1	1.5" MILLING
C2	2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.	V2	2" MILLING
D	2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.	V3	2.5" MILLING
U	EXISTING PAVEMENT	V4	1.5" TO 3" MILLING, NEW PAVEMENT TO BE FLUSH WITH GUTTER



TYPICAL SECTION NO. 4



USE ON MAP 4 FROM BRIDGE
OVER NC 147 TO SR 1926

TYPICAL SECTION NO. 5

PAVEMENT SCHEDULE

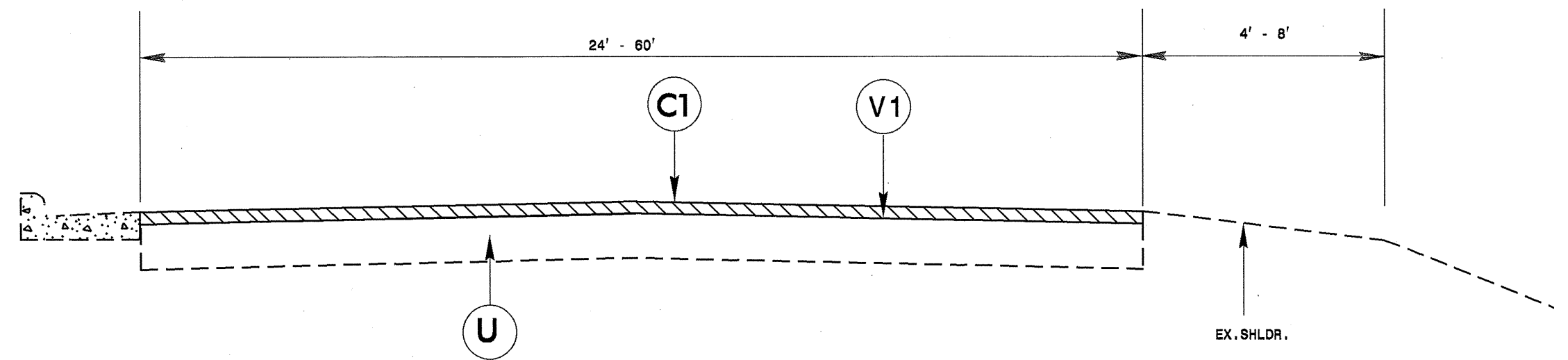
PROJECT REFERENCE NO.	SHEET NO.
5CR1032125, etc	10

C1	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	V1	1.5" MILLING
C2	2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.	V2	2" MILLING
D	2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.	V3	2.5" MILLING
U	EXISTING PAVEMENT	V4	1.5" TO 3" MILLING, NEW PAVEMENT TO BE FLUSH WITH GUTTER

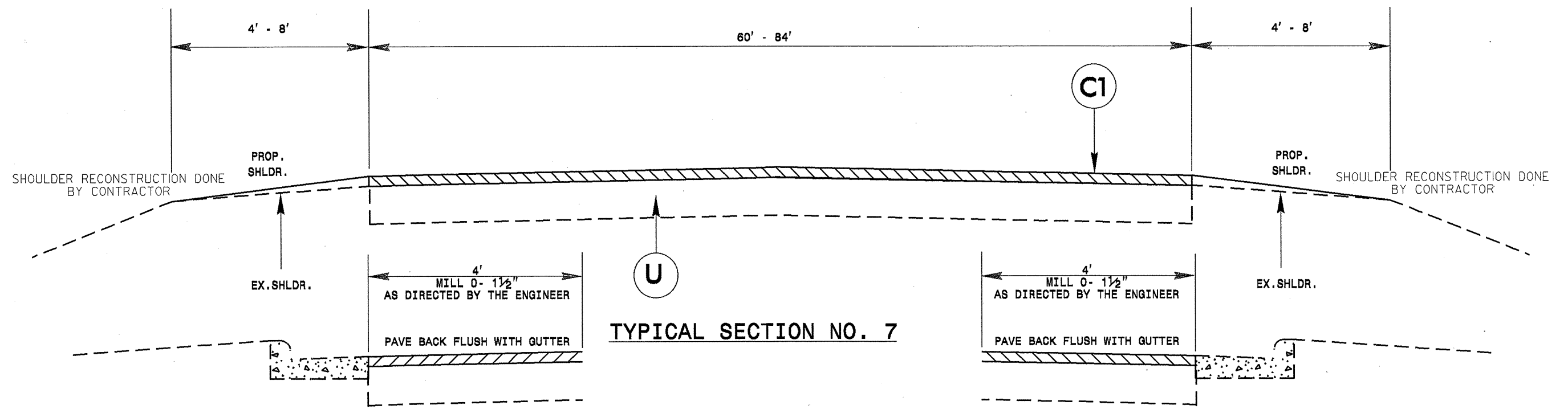
2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD. NO. DIVISION 8 - INCIDENTALS TITLE
 848.06 Curb Ramp - Existing Curb & Gutter



TYPICAL SECTION NO. 6

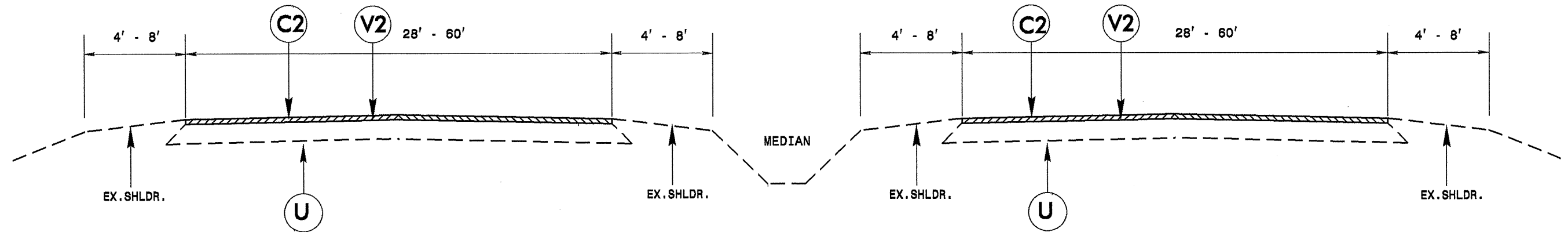


TYPICAL SECTION NO. 7

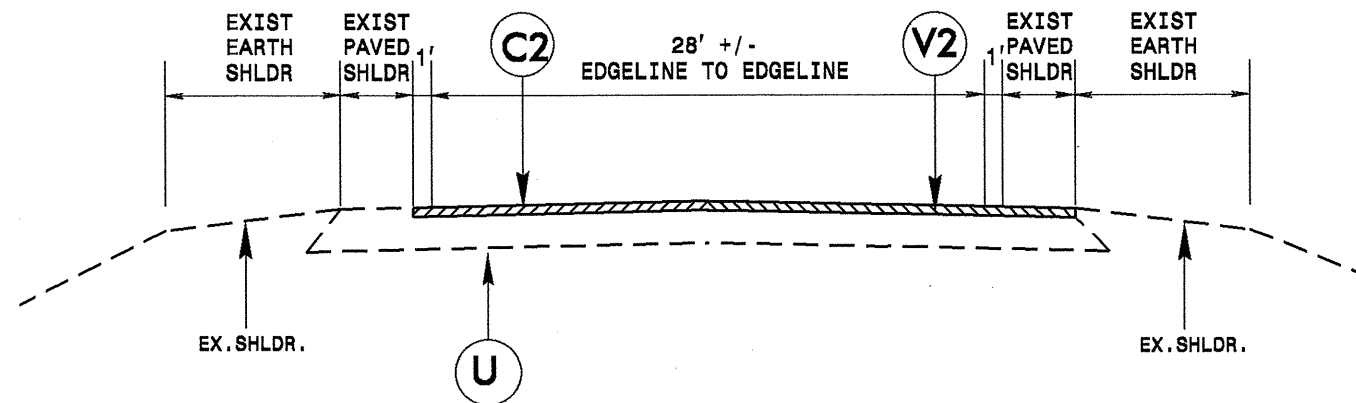
PAVEMENT SCHEDULE

PROJECT REFERENCE NO. **5CR1032125.etc** SHEET NO. **11**

C1	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	V1	1.5" MILLING
C2	2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.	V2	2" MILLING
D	2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.	V3	2.5" MILLING
U	EXISTING PAVEMENT	V4	1.5" TO 3" MILLING, NEW PAVEMENT TO BE FLUSH WITH GUTTER

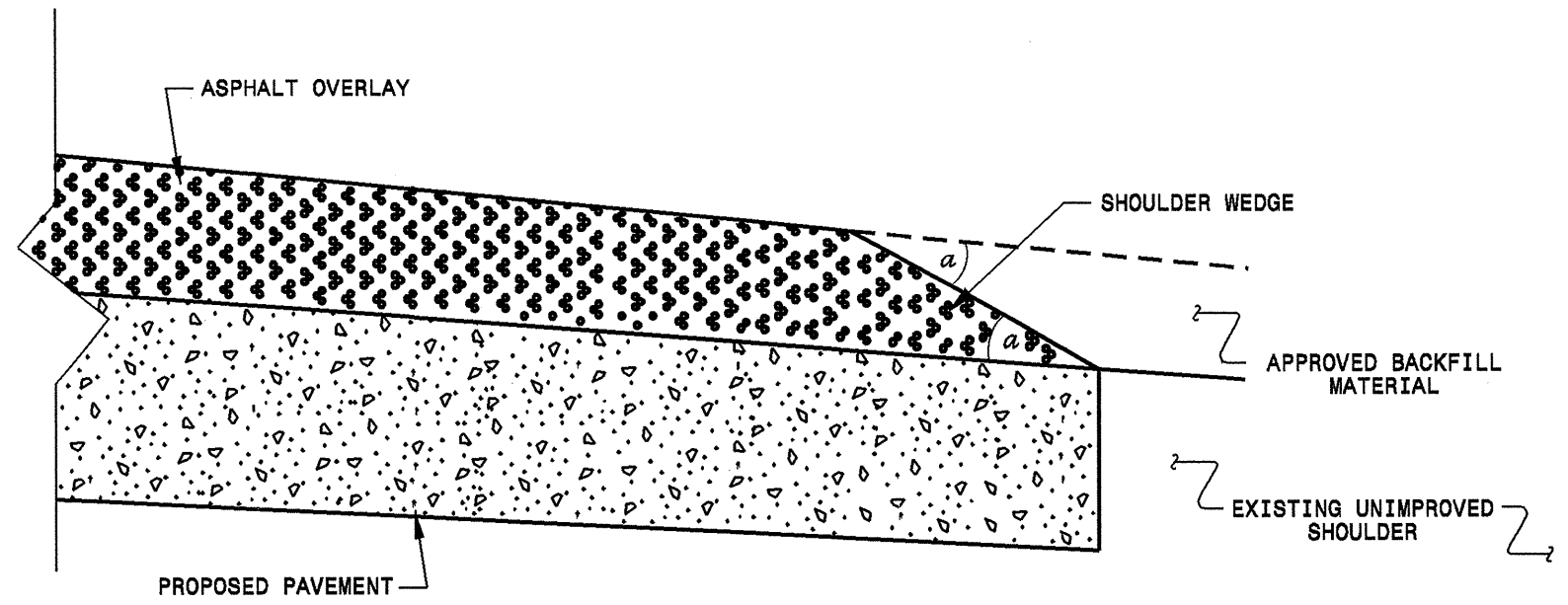


TYPICAL SECTION NO. 8



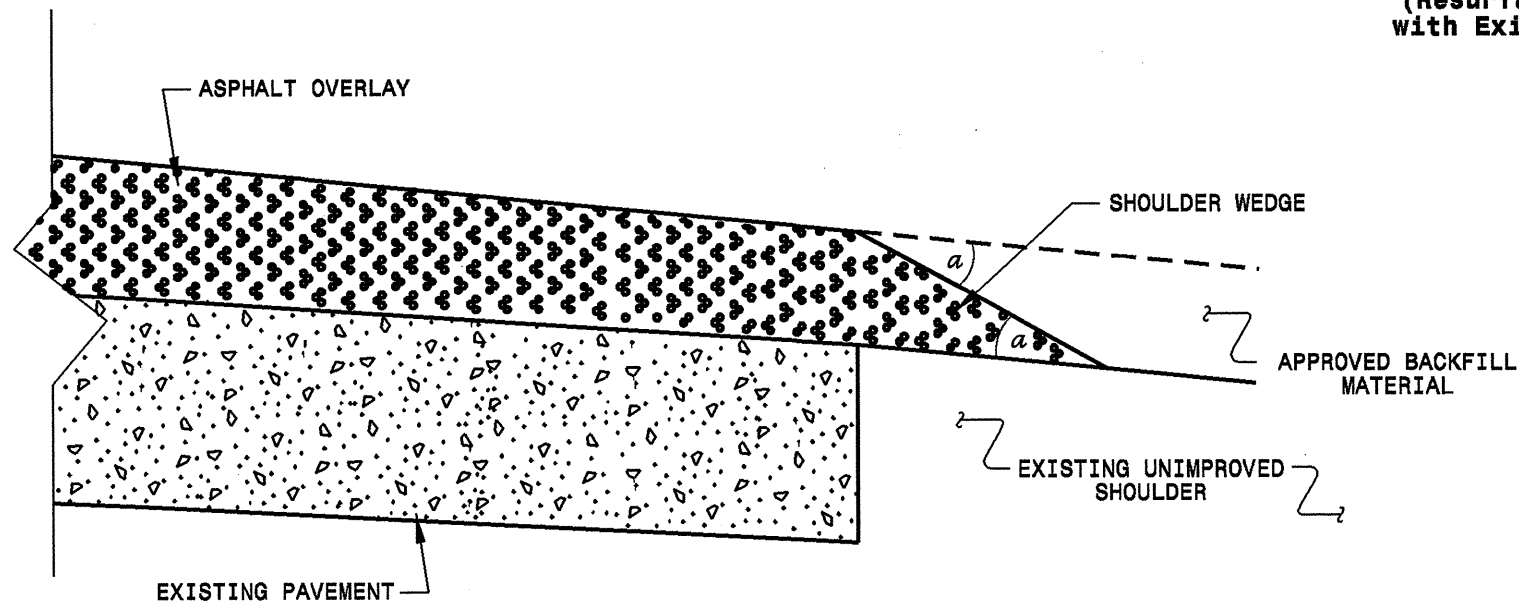
TYPICAL SECTION NO. 9

USE THIS TYPICAL FOR
ON AND OFF RAMPS AT I-40



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder > 2 ft.)



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)

NOTES:

- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

a - SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SHOULDER WEDGE DETAILS

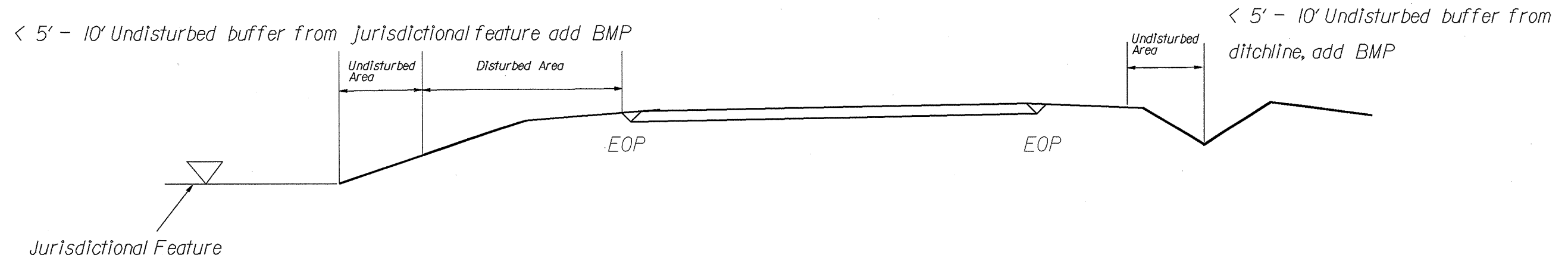
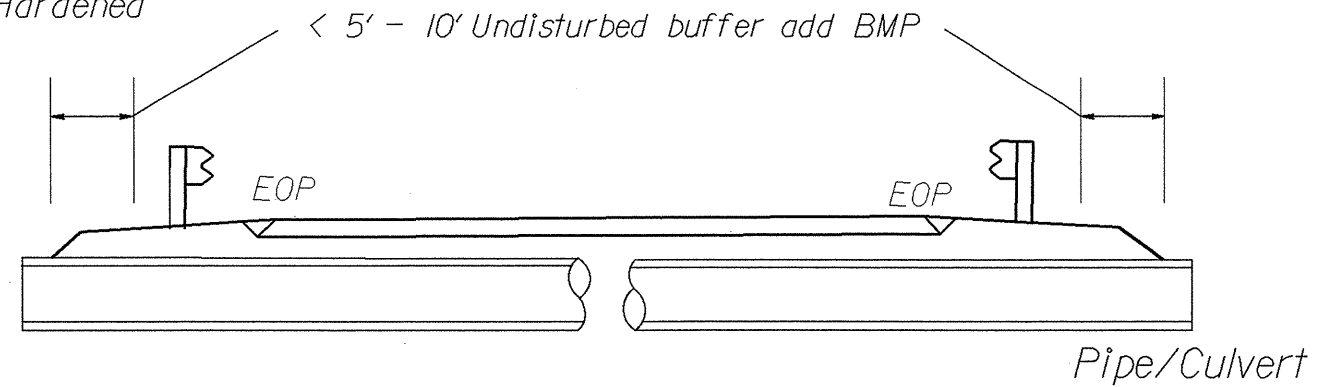
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 10/18/12
CHECKED BY:	DATE:
FILE SPEC: szur/details/stand/shoulderwedge.dgn	

22-OCT-2012 10:45
 C:\Users\juc\Documents\Updated Shoulder Wedge Detail.dgn
 \$\$\$USERNAME\$\$\$

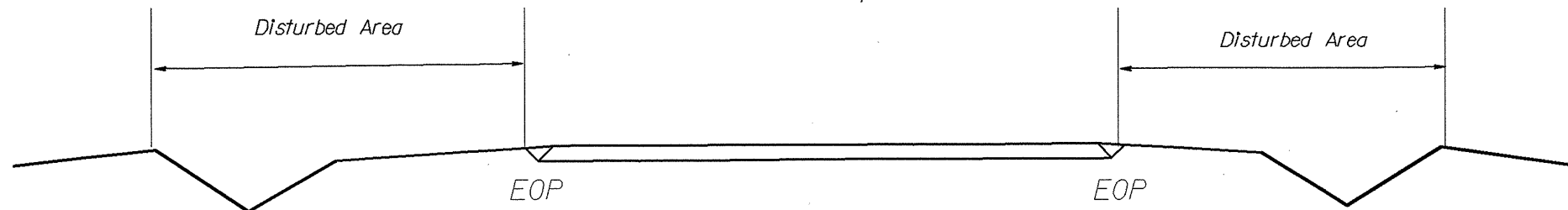
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

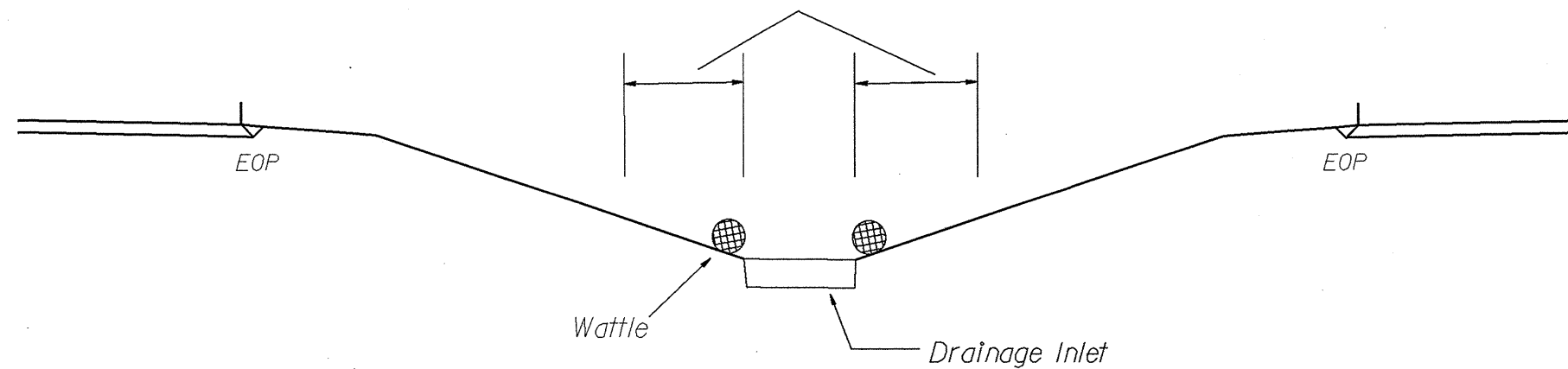
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

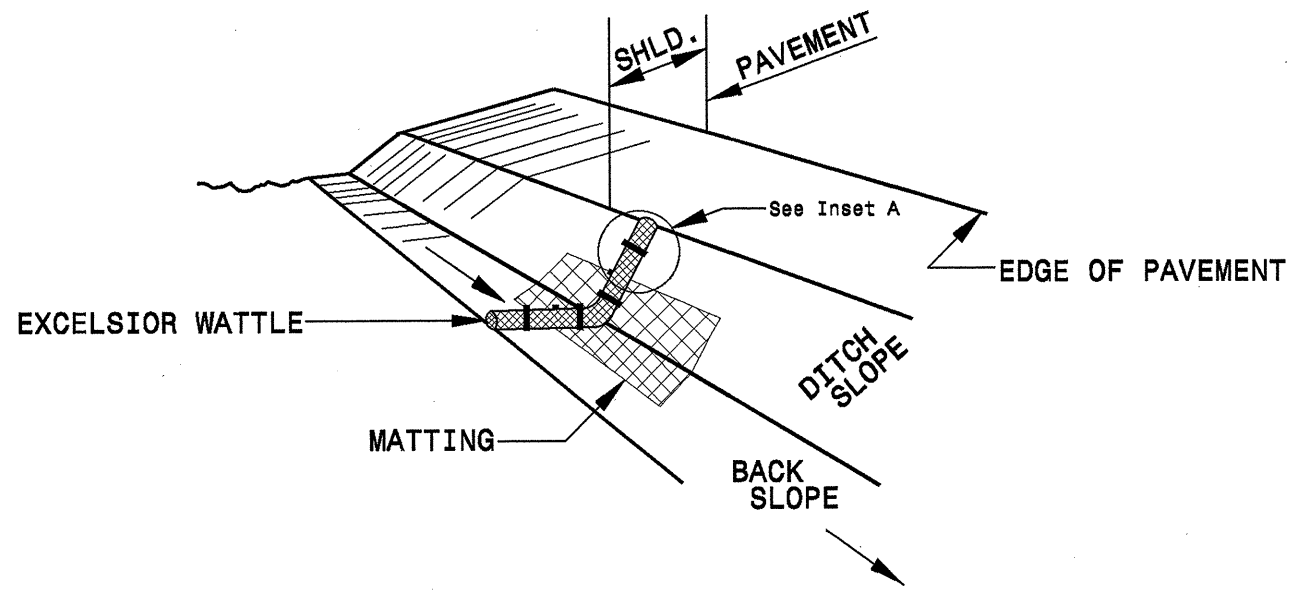


< 5' - 10' Undisturbed buffer from inlet, add wattle

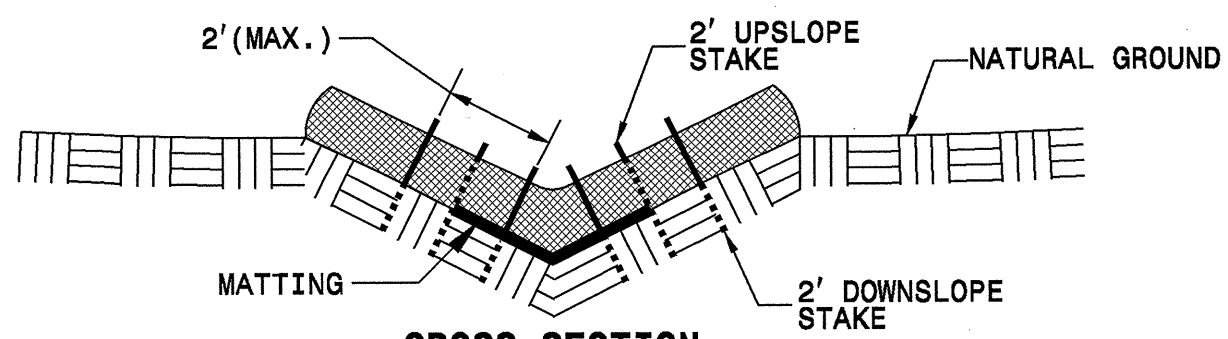


NOT TO SCALE

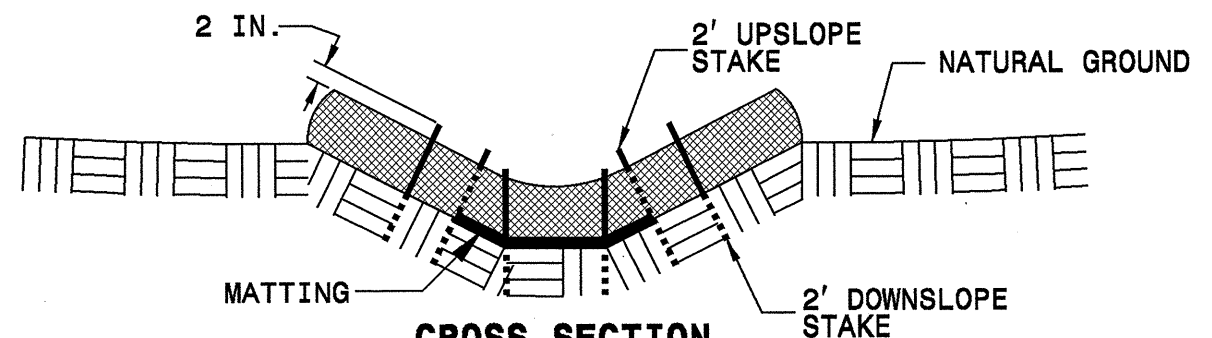
WATTLE DETAIL



ISOMETRIC VIEW



**CROSS SECTION
VEE DITCH**



**CROSS SECTION
TRAPEZOIDAL DITCH**

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

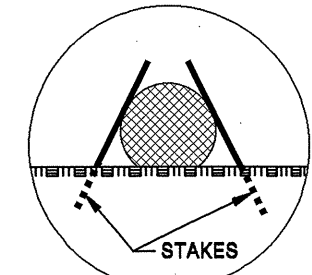
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

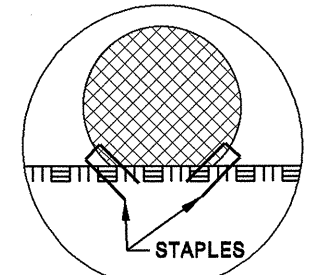
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

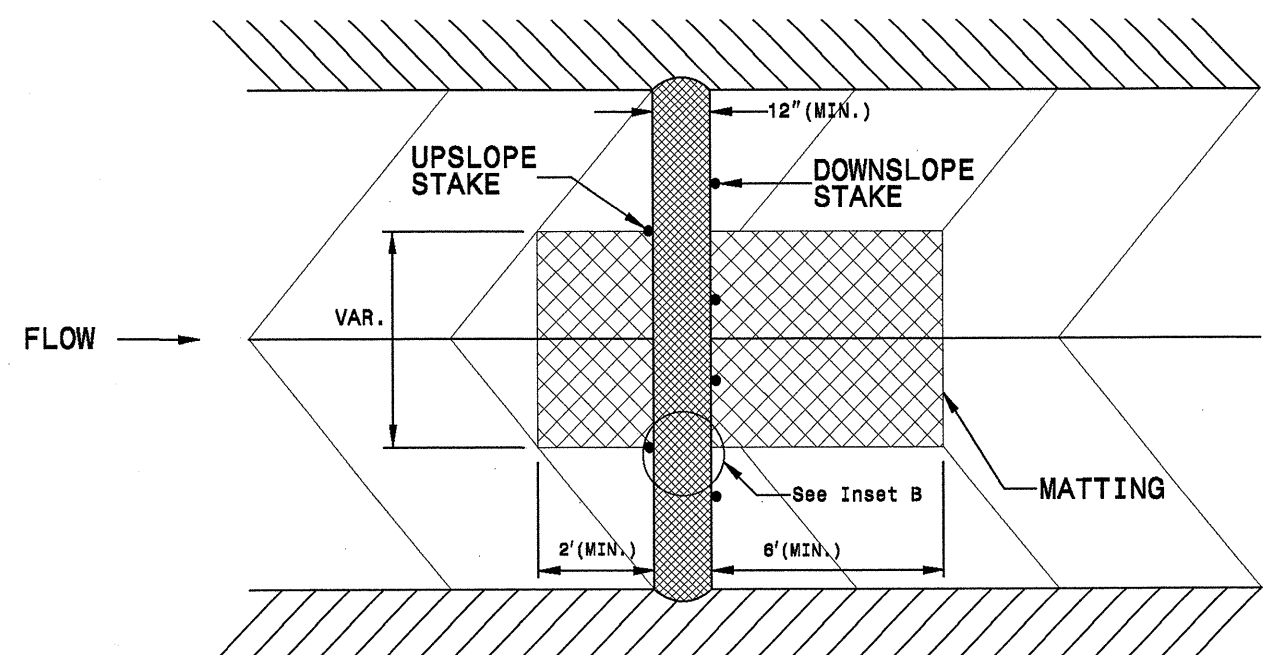
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.

PROJECT NO.	SHEET NO.	TOTAL NO.
5CR.10321.25, 5CR.20321.25	17	18

SUMMARY OF QUANTITIES

PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP NO.	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	BORROW CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	2" MILLING SY	2.5" MILLING SY	1.5" MILLING SY	0" TO 1.5" MILLING SY	1.5" TO 3" MILLING SY	INCIDENTAL MILLING SY	INTER-MEDIATE COURSE, I19.0B TONS	SURFACE COURSE, S9.5B TONS	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT TONS	CONCRETE CURB RAMP EA	ADJUST MANHOLES EA	ADJUST METER OR VALVE BOX EA	PORTABLE LIGHTING LS	TEMPORARY SILT FENCE LF	WATTLE LF	SEED & MULCHING AC	INDUCTIVE LOOP LF			
5CR.10321.25	Durham	1	US 70 EAST	SR 1815 - PLEASANT DRIVE TO SR 1959 - MIAMI BLVD	7	NO	1.25	60 - 84	500	125	1.50				2,500				4,248	255	800		2			181	500	2.20	2,270			
TOTAL FOR MAP NO. 1							1.25		500	125	1.50				2,500				4,248	255	800		2			181	500	2.20	2,270			
5CR.10321.25	Durham	2	NC 54	EASTBOUND FROM I-40 TO ORANGE COUNTY LINE	8,9	NO	1.71	28 - 60		100		36,793					30		4,347	261	125		2		0.50				1,355			
		"	"	WESTBOUND FROM ORANGE COUNTY LINE TO I-40	8,9	NO	1.71	28 - 60		100		36,155					30		4,271	256	125		1	1	0.50				1,355			
TOTAL FOR MAP NO. 2							3.42			200		72,948					60		8,618	517	250		3	1	1.00					2,710		
TOTAL FOR PROJ NO. 5CR.10321.25							4.67		500	325	1.50	72,948				2,500		60		12,866	772	1,050		5	1	1.00	181	500	2.20	4,980		
5CR.20321.25	Durham	3	SR 2028 - TW ALEXANDER	NC 54 TO JOINT S OF SR 1121- CORNWALLIS ROAD	1	NO	1.22	28 - 40	244	122	2.44		28,713				95	4,319	2,540	360	122					100	50	1.77	300			
TOTAL FOR MAP NO. 3							1.22		244	122	2.44		28,713				95	4,319	2,540	360	122							100	50	1.77	300	
5CR.20321.25	Durham	4	SR 1940 - GLOVER ROAD	SR 1171- ELLIS ROAD TO SR 1926- ANGIER AVENUE	1,5	NO	1.17	20	110	117	1.10		6,455	7,275			20	928	1,218	118	250		3			50	50	0.80	50			
TOTAL FOR MAP NO. 4							1.17		110	117	1.10		6,455	7,275			20	928	1,218	118	250		3					50	50	0.80	50	
5CR.20321.25	Durham	5	SR 1002 - MASON ROAD	US 501 TO NC 157	1	NO	2.43	20	486	243	4.86		28,512				45	4,311	2,530	359	243					300	100	3.52	384			
TOTAL FOR MAP NO. 5							2.43		486	243	4.86		28,512				45	4,311	2,530	359	243						300	100	3.52	384		
5CR.20321.25	Durham	6	SR 1954 - ELLIS ROAD	SR 2149 - ELLIS ROAD TO JOINT EAST OF NC 147	6	NO	0.7	24 - 60						19,737			50		1,745	105	200	2	6	2					2,400			
TOTAL FOR MAP NO. 6							0.7						19,737			50		1,745	105	200	2	6	2								2,400	
5CR.20321.25	Durham	7	SR 1453 - BIVINS ROAD	SR 1449- UMSTEAD ROAD TO SR 1521- KELVIN DRIVE	5	NO	1.28	20		128				15,019					1,333	80	200		1	4								
TOTAL FOR MAP NO. 7							1.28			128			15,019					1,333	80	200		1	4									
5CR.20321.25	Durham	8	SR 1451 - RUSSELL ROAD	SR 1449- UMSTEAD ROAD TO NC 157- GUESS ROAD	1	NO	3.81	20	762	381	7.62		44,704				75	6,759	3,968	562	139					150	100	5.52				
TOTAL FOR MAP NO. 8							3.81		762	381	7.62		44,704			75	6,759	3,968	562	139								150	100	5.52		
5CR.20321.25	Durham	9	SR 1628 - ORANGE FACTORY ROAD	US 501 TO JOINT WEST OF TREYBURN PARKWAY	3	NO	1.7	20	340	170	3.40						40		1,770	106	500					250	200	2.47				
TOTAL FOR MAP NO. 9							1.7		340	170	3.40					40		1,770	106	500								250	200	2.47		
5CR.20321.25	Durham	10	SR 1101 - BARBEE CHAPEL ROAD	NC 54 TO NC 54	2	NO	3.62	24 - 36	580		5.80		55,636		1,690		120	6,607	4,181	568	200		2	2		350	200	4.20				
TOTAL FOR MAP NO. 10							3.62		580		5.80		55,636		1,690		120	6,607	4,181	568	200					2	2		350	200	4.20	
5CR.20321.25	Durham	11	SR 1445 - DUKE STREET	SR 1183- LAKEWOOD AVE TO NC 147	4	NO	0.38	24 - 36								6,895	40		532	32	38		17	3					200			
TOTAL FOR MAP NO. 11							0.38						6,895			40		532	32	38					17	3					200	
5CR.20321.25	Durham	12	SR 1171 - RIDDLE ROAD	NC 55 TO SR 1118- FAYETTEVILLE ROAD	2	NO	0.82	20 - 30	120	60	1.20		10,830		533		25	1,635	960	136	60		5				50	0.87	300			
TOTAL FOR MAP NO. 12							0.82		120	60	1.20		10,830		533		25	1,635	960	136	60					5			50	0.87	300	
5CR.20321.25	Durham	13	SR 1670 - GEER STREET	SR 2316- ROXBORO ST TO SR 1655- MANGUM	4	NO	0.08	33								1,549	10		137	8			3						200			
TOTAL FOR MAP NO. 13							0.08						1,549		10		137	8								3					200	
TOTAL FOR PROJ NO. 5CR.20321.25							17.21		2,642	1,221	26.42		174,850	42,031	2,223	8,444	520	24,559	20,914	2,434	1,952	2	37	11				1,200	750	19.15	3,834	
GRAND TOTAL							21.88		3,142	1,546	27.92		72,948	174,850	42,031	4,723	8,444	580	24,559	33,780	3,206	3,002	2	42	12	1.00	1,381	1,250	21.35	8,814		

PROJECT NO.	SHEET NO.	TOTAL NO.
SCR.10321.25, SCR.20321.25	18	18

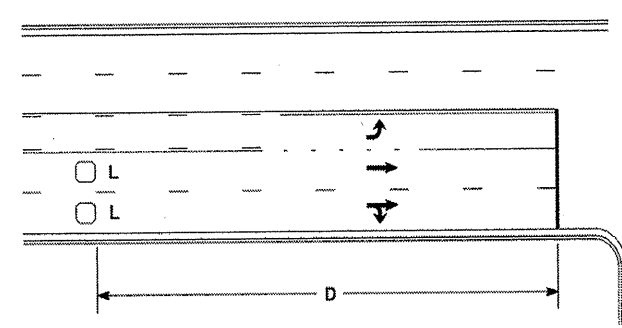
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4685000000-E		4686000000-E		4695000000-E		4697000000-E		4705000000-E		4710000000-E		4721000000-E		4725000000-E			
							4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	8" X 120 M WHITE THERMO	8" X 120 M YELLOW THERMO	16" X 120 M WHITE THERMO	16" X 120 M YELLOW THERMO	THERMO MSG ONLY 120 M	THERMO RXR 120 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	THERMO LT ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO MERGE ARROW 90 M	THERMO LT STR ARROW 90 M
SCR.10321.25	Durham	1	US 70 EAST	SR 1815 - PLEASANT DRIVE TO SR 1959 - MIAMI BLVD	1.25	60 - 84	8,420		3,500	16,500	1,380	30			370			3	8	39	2			
TOTAL FOR MAP NO. 1							1.25		8,420	3,500	16,500	1,380	30		370			3	8	39	2			
SCR.10321.25	Durham	2	NC 54	EASTBOUND FROM I-40 TO ORANGE COUNTY LINE	1.71	28 - 60	9,371	9,028	3,500	200	1,350	100			300			16	22	10	5	8		
				WESTBOUND FROM ORANGE COUNTY LINE TO I-40	1.71	28 - 60	9,371	9,028	3,500	1,800	750	100			280	8		5	21	13	6			
TOTAL FOR MAP NO. 2							3.42		18,742	18,056	7,000	2,100	200		580	8		21	43	23	11	8		
TOTAL FOR PROJ NO. SCR.10321.25							4.67		27,162	18,056	10,500	3,480	230		950	8		24	51	62	13	8		
									45,218	29,000	3,710							8			158			

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4770000000-E		4780000000-E		4810000000-E		4820000000-E		4830000000-E		4835000000-E		4840000000-N		4845000000-N		4850000000-E		4860000000-E		4900000000-N				
							4" WHITE COLD APPLIED PLASTIC, TYPE III	4" YELLOW COLD APPLIED PLASTIC, TYPE III	8" WHITE COLD APPLIED PLASTIC, TYPE III	4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	8" YELLOW PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG ONLY	PAINT MSG RXR	PAINT LT ARROW	PAINT RT ARROW	PAINT STR ARROW	PAINT STR & RT ARROW	PAINT MERGE ARROW	PAINT LT STR ARROW	PAINT STR & LT ARROW	4" LINE REMOVAL	8" LINE REMOVAL	CRYSTAL & RED MARKERS	YELLOW & YELLOW MARKERS			
SCR.10321.25	Durham	1	US 70 EAST	SR 1815 - PLEASANT DRIVE TO SR 1959 - MIAMI BLVD	1.25	60 - 84																						185	165		
TOTAL FOR MAP NO. 1							1.25																					185	165		
SCR.10321.25	Durham	2	NC 54	EASTBOUND FROM I-40 TO ORANGE COUNTY LINE	1.71	28 - 60	250	200																			450	200	5		
				WESTBOUND FROM ORANGE COUNTY LINE TO I-40	1.71	28 - 60	250	200																			450	200	25		
TOTAL FOR MAP NO. 2							3.42		500	400																		900	400	30	
TOTAL FOR PROJ NO. SCR.10321.25							4.67		500	400																			900	585	195
									900																				780		

TOTAL FOR PROJ NO. SCR.10321.25							4.67		500	400																		900	585	195	
GRAND TOTAL							21.88		204,607	18,056	16,748	174,570	4,430	935	600	100	1,858	16	4	51	101	163	19	13	2	2			222,663	191,318	5,365

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

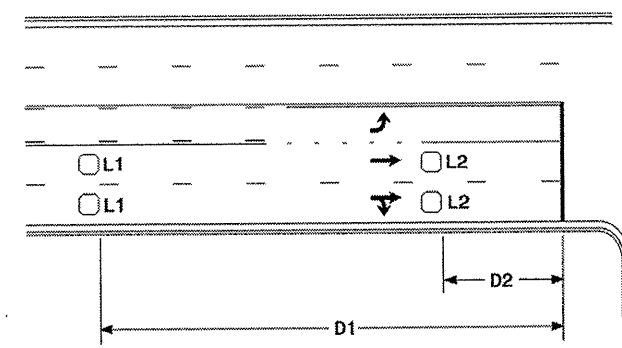


Speed Limit mph (km/hr)	D ft (m)
40 (64)	250 (75)
45 (72)	300 (90)
50 (80)	355 (110)
55 (88)	420 (130)

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

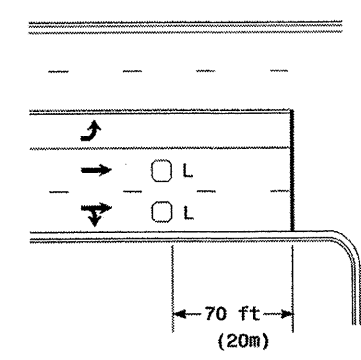


Speed Limit mph (km/hr)	D1 ft (m)	D2 ft (m)
40 (64)	250 (75)	80 (25)
45 (72)	300 (90)	90 (27)
50 (80)	355 (110)	100 (30)
55 (88)	420 (130)	110 (35)

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

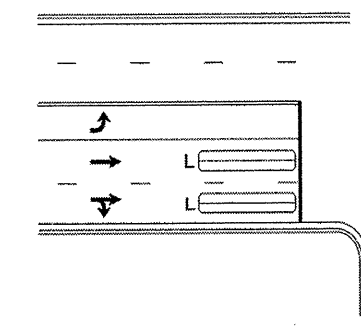
"Stretch" Operation

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



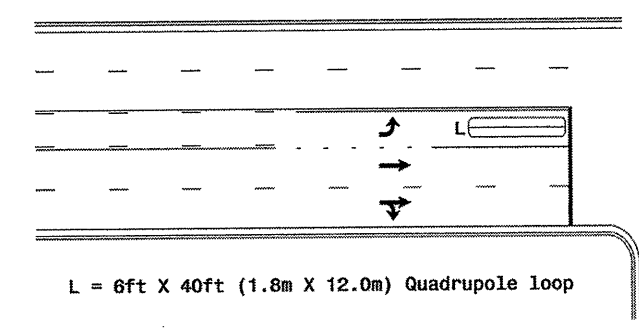
L = 6ft X 6ft (1.8m X 1.8m)
Wired in series

OR



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

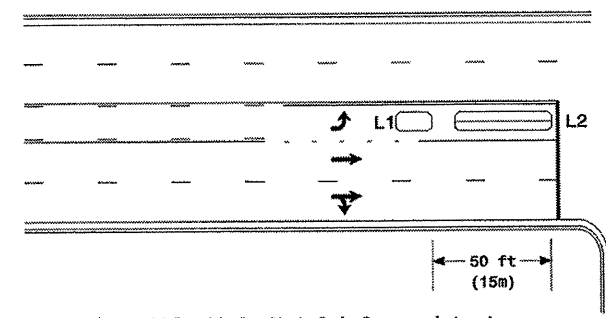
Left Turn Lane Detection



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

Presence Loop Detection

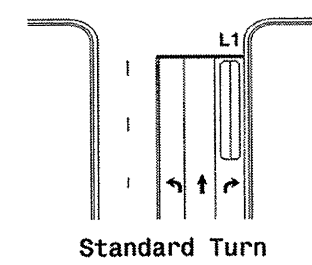
OR



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

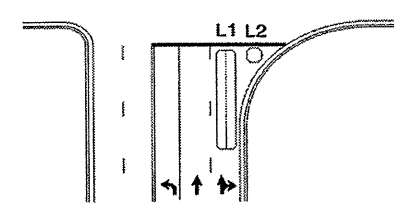
Queue Loop Detection

Right Turn Lane Detection

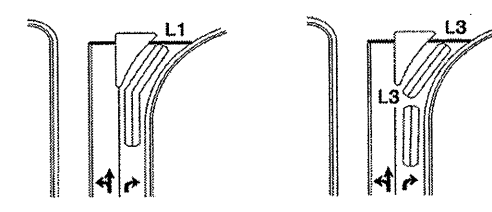


Standard Turn

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

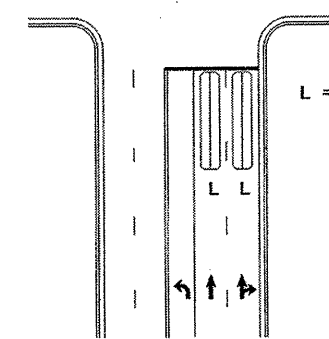


Wide Radius Turn



Channelized Turn

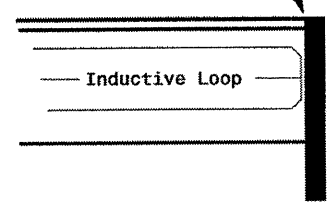
Side Street Detection



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

122 N. McDowell St., Raleigh, NC 27603

Typical Loop Locations

PLAN DATE: June 2006 REVIEWED BY:

PREPARED BY: P. L. Alexander REVIEWED BY:

REVISIONS

SCALE: N/A

SEAL

SIGNATURE: P. L. Alexander DATE: 12/15/06