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09/08/09

CONTRACT: DN01097

TRANSYLVANIA COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.07.10881	1	9
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



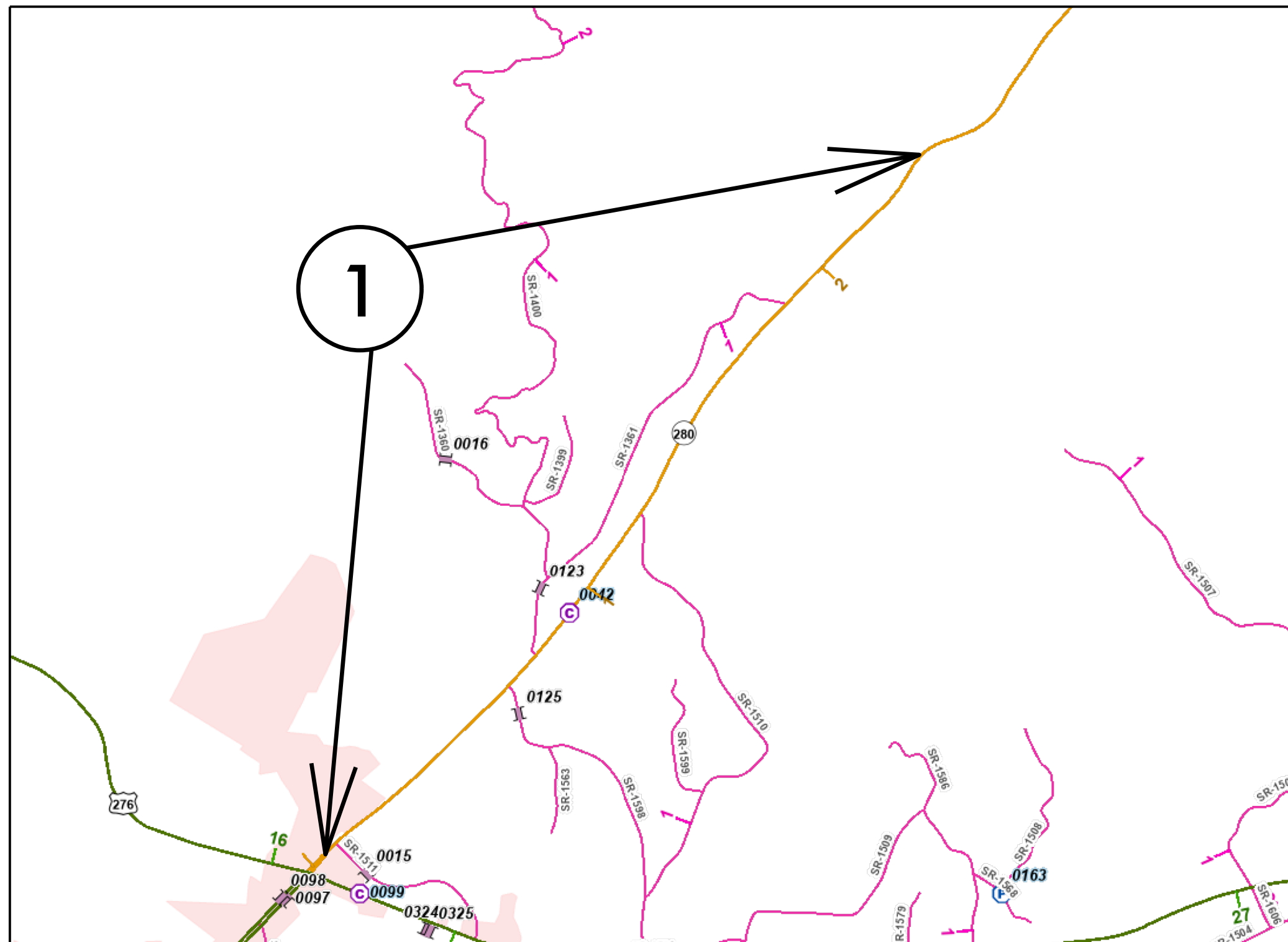
MAP 1



BEG



END

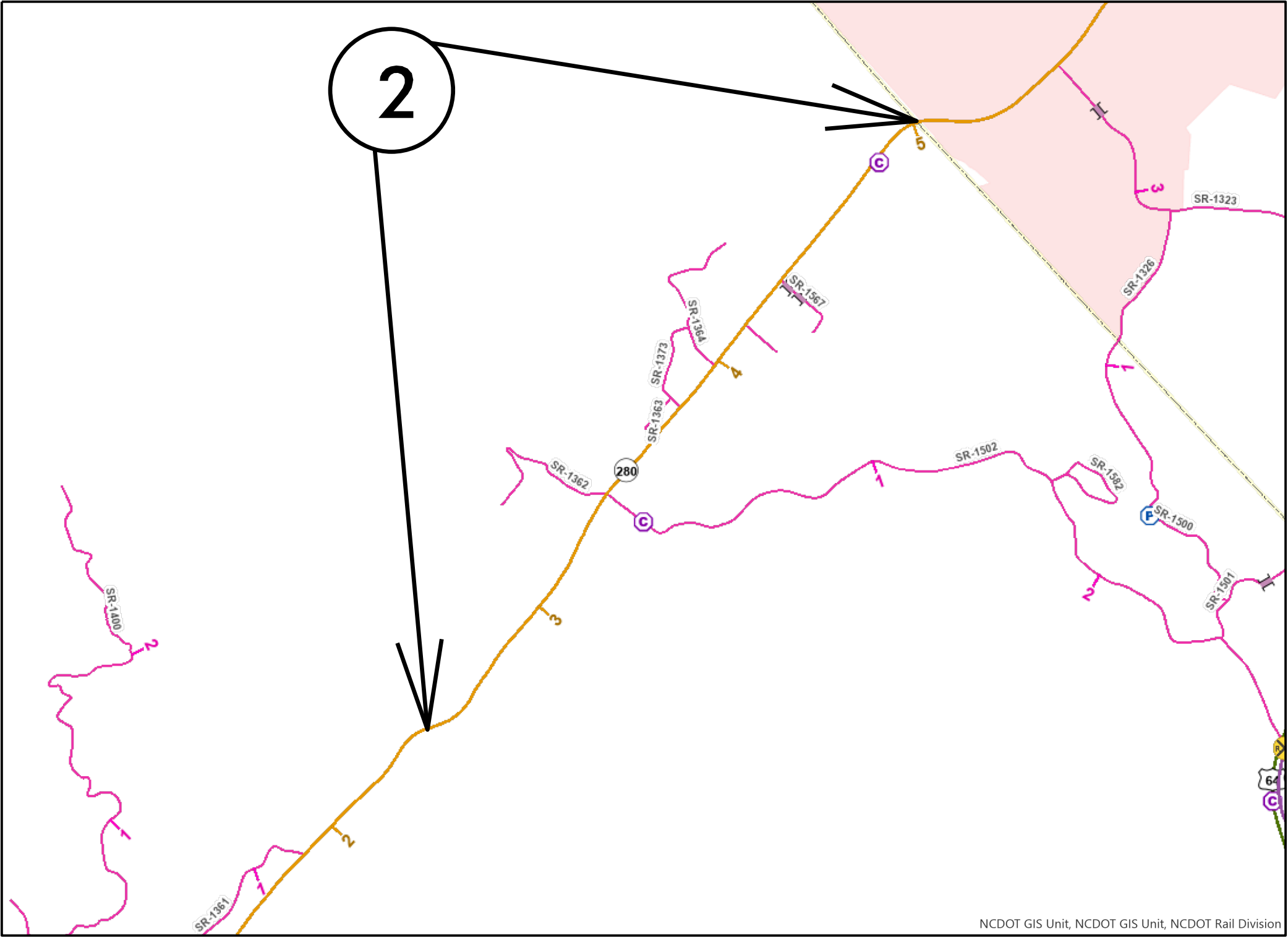


09/08/09

CONTRACT: DN01097

TRANSYLVANIA COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.07.10881	2	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 2



BEG



END

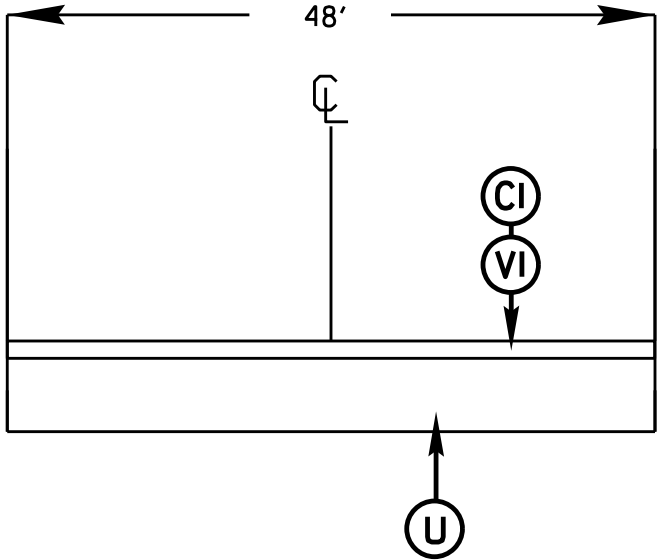
09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.07.10881	3	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.07.10881			

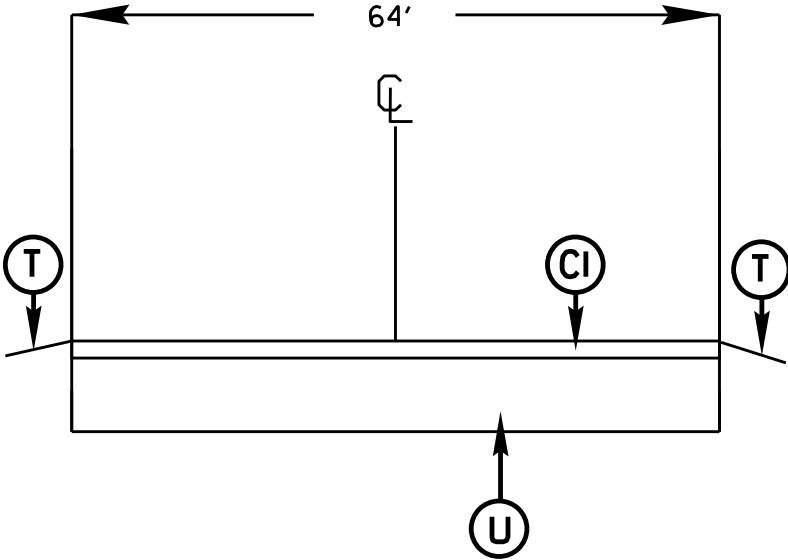
SURFACING SCHEDULE

ITEM NO	DESCRIPTION
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS.PER.SQ.YD
T	SHOULDER RECONSTRUCTION WITH ASB. 2' WIDE UNLESS DIRECTED BY PROJECT ENGINEER - SEE PORJECT SPECIAL PROVISIONS -
U	EXISTING ASPHALT
V1	MILLED ASPHALT PAVEMENT 1 1/2" IN DEPTH IN LOCATIONS AS DIRECTED BY PROJECT ENGINEER

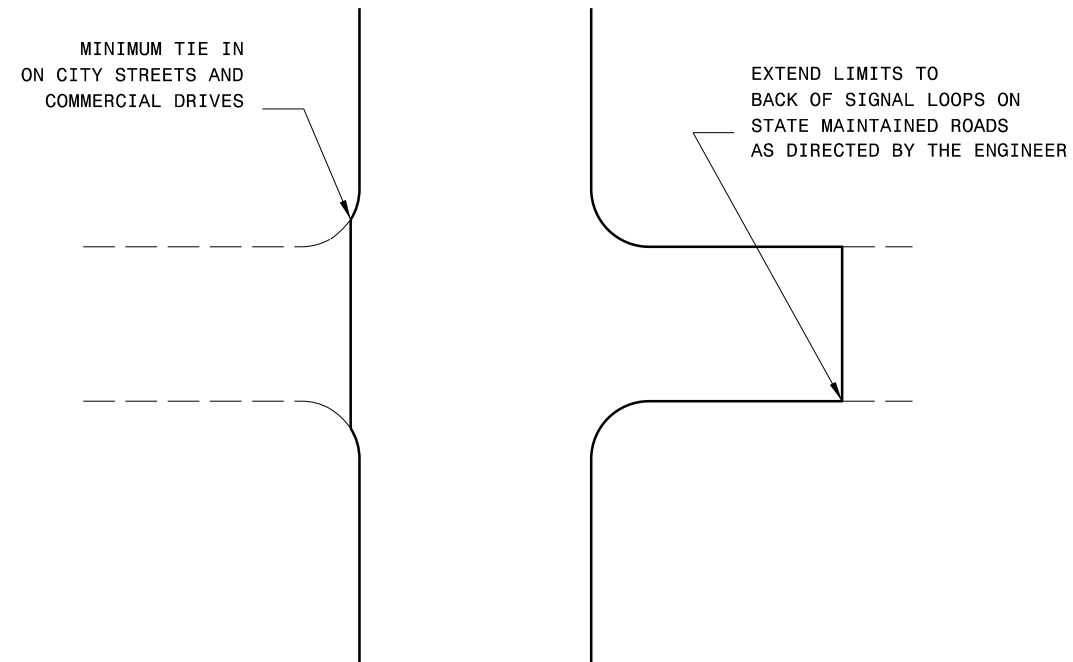
TYPICAL 1



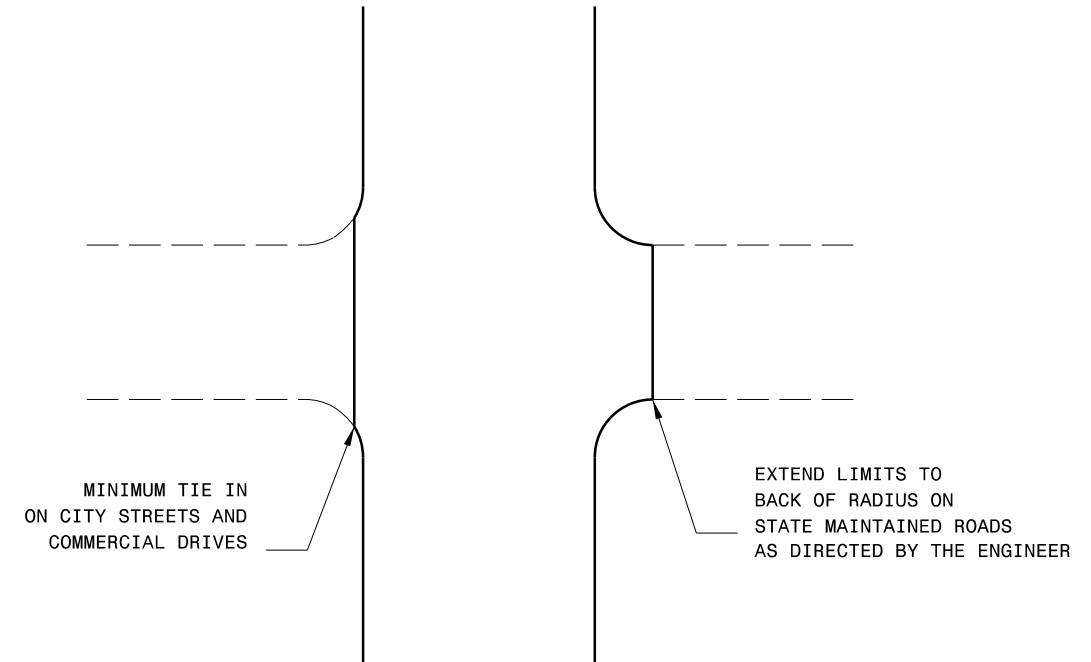
TYPICAL 2



CONTRACT: DN01097



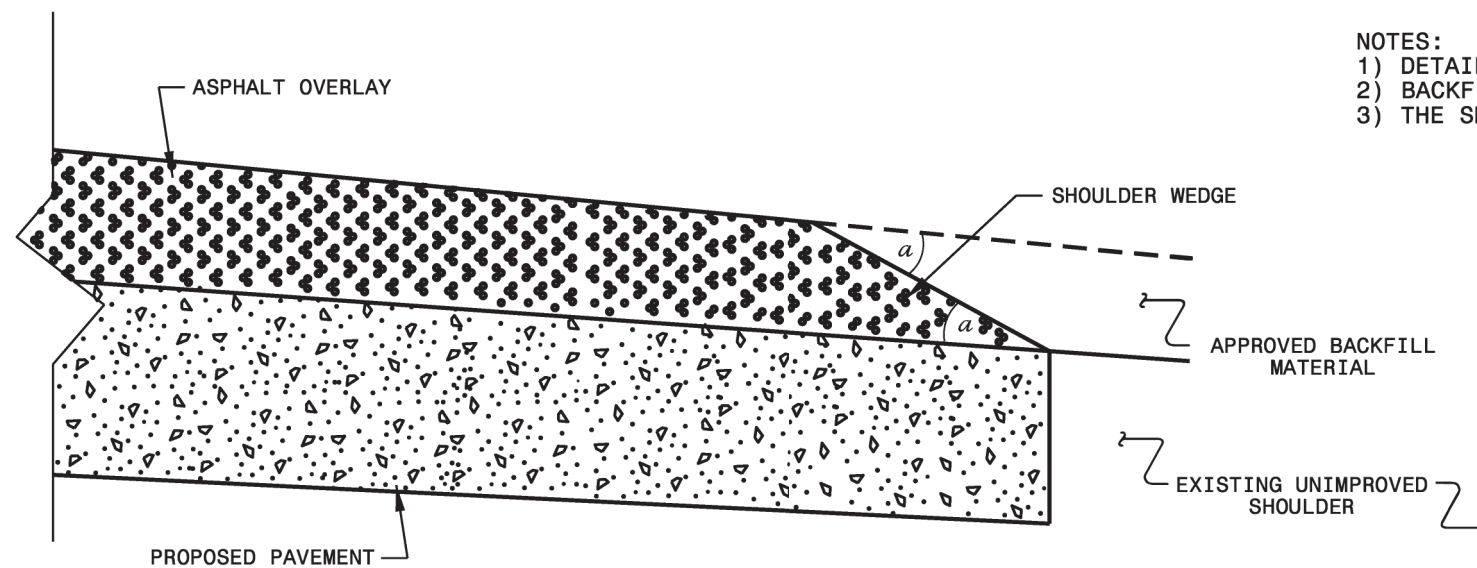
TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



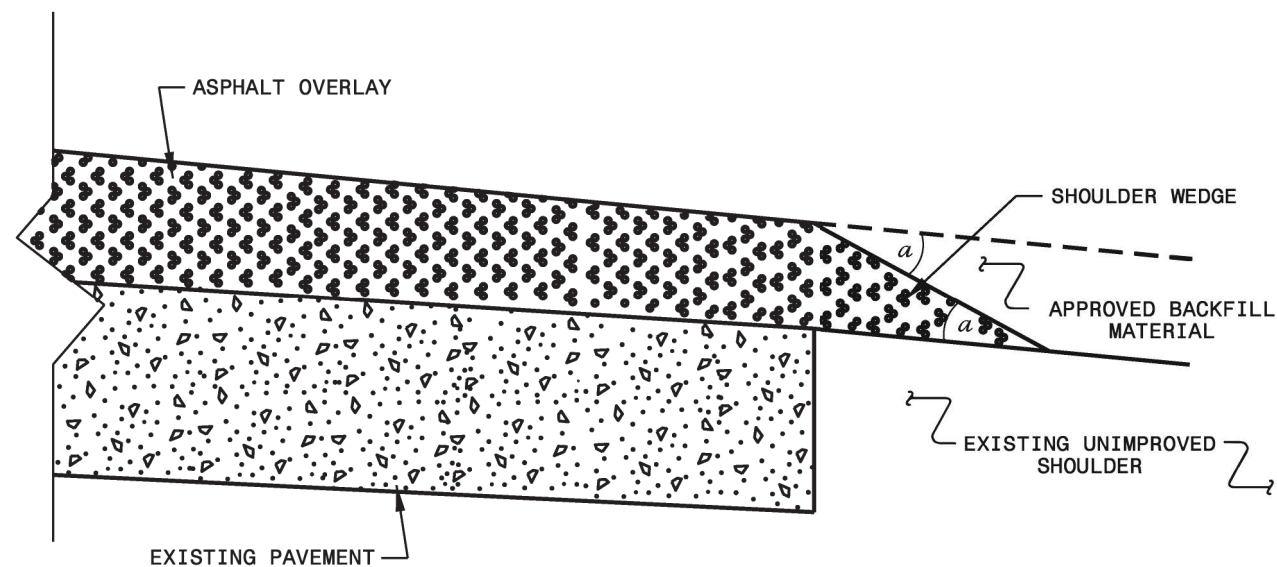
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

[illegible]

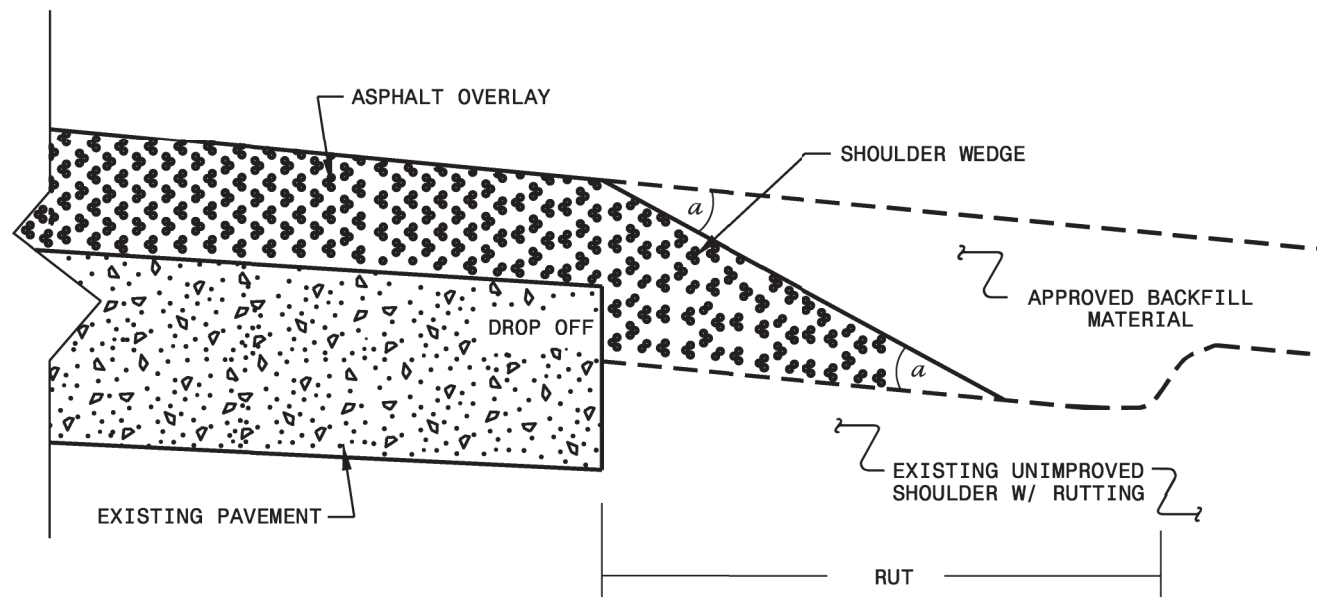
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ Widening or
with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
(Resurfacing Adjacent to
Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

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

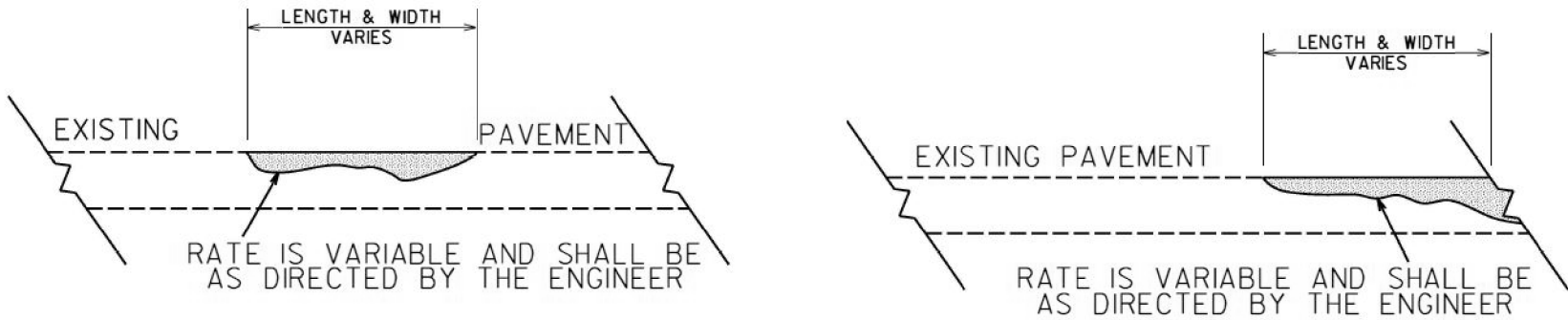
**SHOULDER WEDGE
DETAILS**

ORIGINAL BY: T. SPELL DATE: 7-19-11
MODIFIED BY: DATE: 10/16/12
CHECKED BY: DATE:
FILE SPEC.: s:\usr\det-alls\stand\shoulderwed_detail.dgn

SYSTEMS
DESIGN
CONSULTANTS
INCORPORATED
10000
SHELLEY
LANE
DURHAM
NC 27704
919-250-4119
WWW.DCS-NC.COM

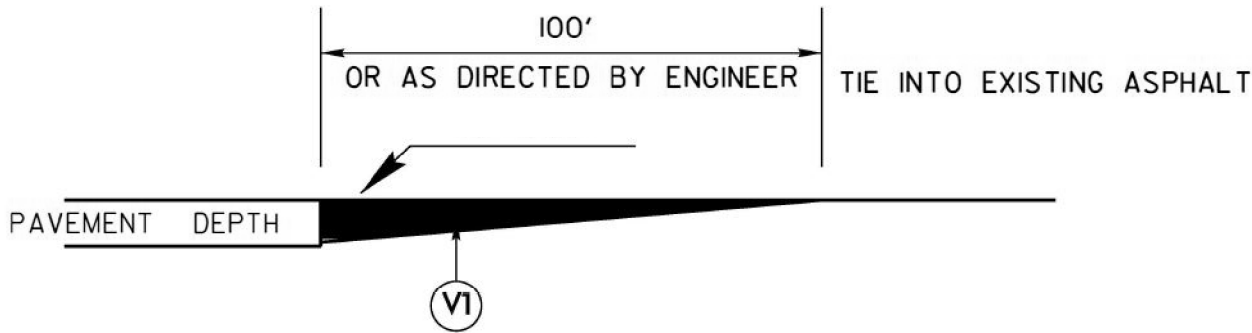
CONTRACT: DN01097

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.07.10881	7	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.07.10881			



DETAIL SHOWING METHOD OF WEDGING

***PROPOSED WEDGE COURSE* (114 LBS PER SQ YARD PER 1" DEPTH)**



DETAIL TO TIE INTO EXIST PAVEMENT

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP.

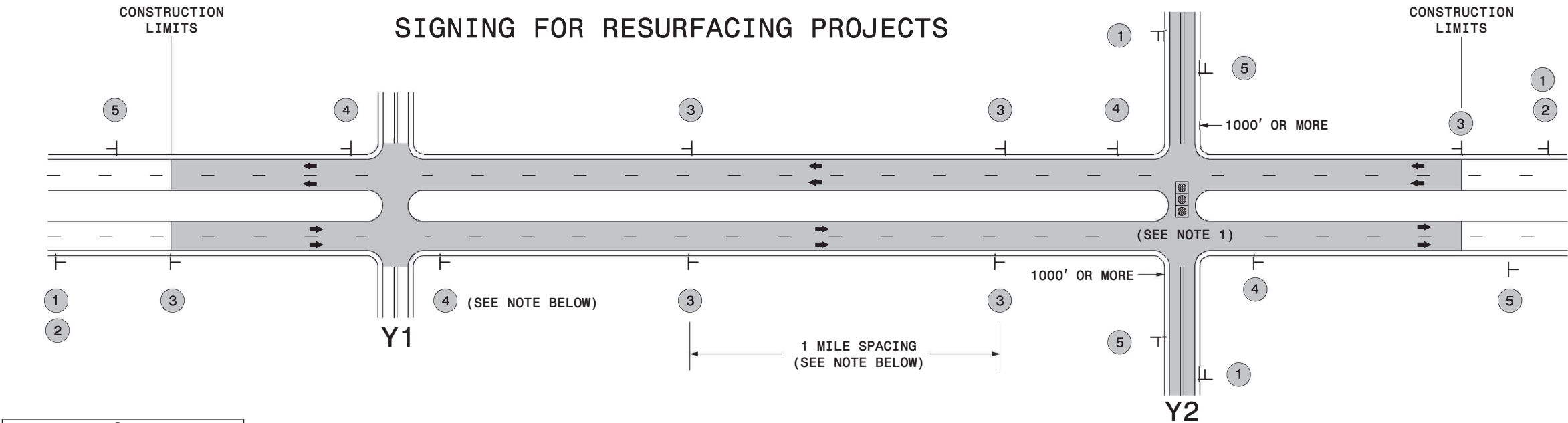
CONTRACT: DN010.97

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.14.07.10881	7	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	1245000000-E SHOULDER RECONSTRUCTION	1260000000-E AGGREGATE SHOULDER BORROW	1297000000-E 1½" MILLING	1330000000-E INCIDENTAL MILLING	1523000000-E SURFACE COURSE, S9.5C	1575000000-E ASPHALT BINDER FOR PLANT MIX	1704000000-E PATCHING EXISTING PAVEMENT	1840000000-E MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)	1881000000-E SINUSOIDAL MILLED RUMBLE STRIPS, 16", CENTERLINE
										MI	FT			SMI	TON	SY	SY	TONS	TONS	TONS	LF	LF
2025CPT.14.07.10881	Transylvania	1	NC-280	FROM US 64 TO END OF C&G	1	2	MU	NO	NO	2.16	48	0.18	2.34			61,434	1,115	5,365	323	139		10,834
TOTAL FOR MAP NO. 1										2.16						61,434	1,115	5,365	323	139		10,834
2025CPT.14.07.10881	Transylvania	2	NC-280	END OF C&G TO HENDERSON COUNTY LINE	2	2	MU	NO	NO	2.67	64	2.34	5.01	5.34	801		3,648	8,685	528	315	26,785	
TOTAL FOR MAP NO. 2										2.67				5.34	801		3,648	8,685	528	315	26,785	
TOTAL FOR PROJ NO. 2025CPT.14.07.10881										4.83				5.34	801	61,434	4,763	14,050	851	454	26,785	10,834
GRAND TOTAL										4.83				5.34	801	61,434	4,763	14,050	851	454	26,785	10,834

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.14.07.10881	8	



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<div><div>1</div><div>2</div></div> <div><div><div>ROAD WORK AHEAD</div><div>W20-1 48" X 48"</div><div>NEXT XX MILES</div><div>W7-3aP 24" X 18"</div></div><div>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</div><div>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</div></div>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <div>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</div> <div>2) SUBDIVISION ROADS</div> <div>3) DEAD END ROADS</div> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div><div><div>ROAD WORK AHEAD</div><div>W20-1 48" X 48"</div></div><div><div>ROAD WORK AHEAD</div><div>W20-7 A 48" X 48"</div></div></div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p>NOTES:</p> <div>1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.</div>
	<div><div>3</div></div> <div><div><div>LOWSOFT SHOULDER</div><div>SP 13107 48" X 48"</div></div><div>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</div></div>	
	<div><div>4</div></div> <div><div><div>ROAD UNDER CONST</div><div>SP 13106 48" X 48"</div></div><div>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</div></div>	
	<div><div>5</div></div> <div><div><div>END ROAD WORK</div><div>G20-2 A 48" X 24"</div></div><div>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</div></div>	