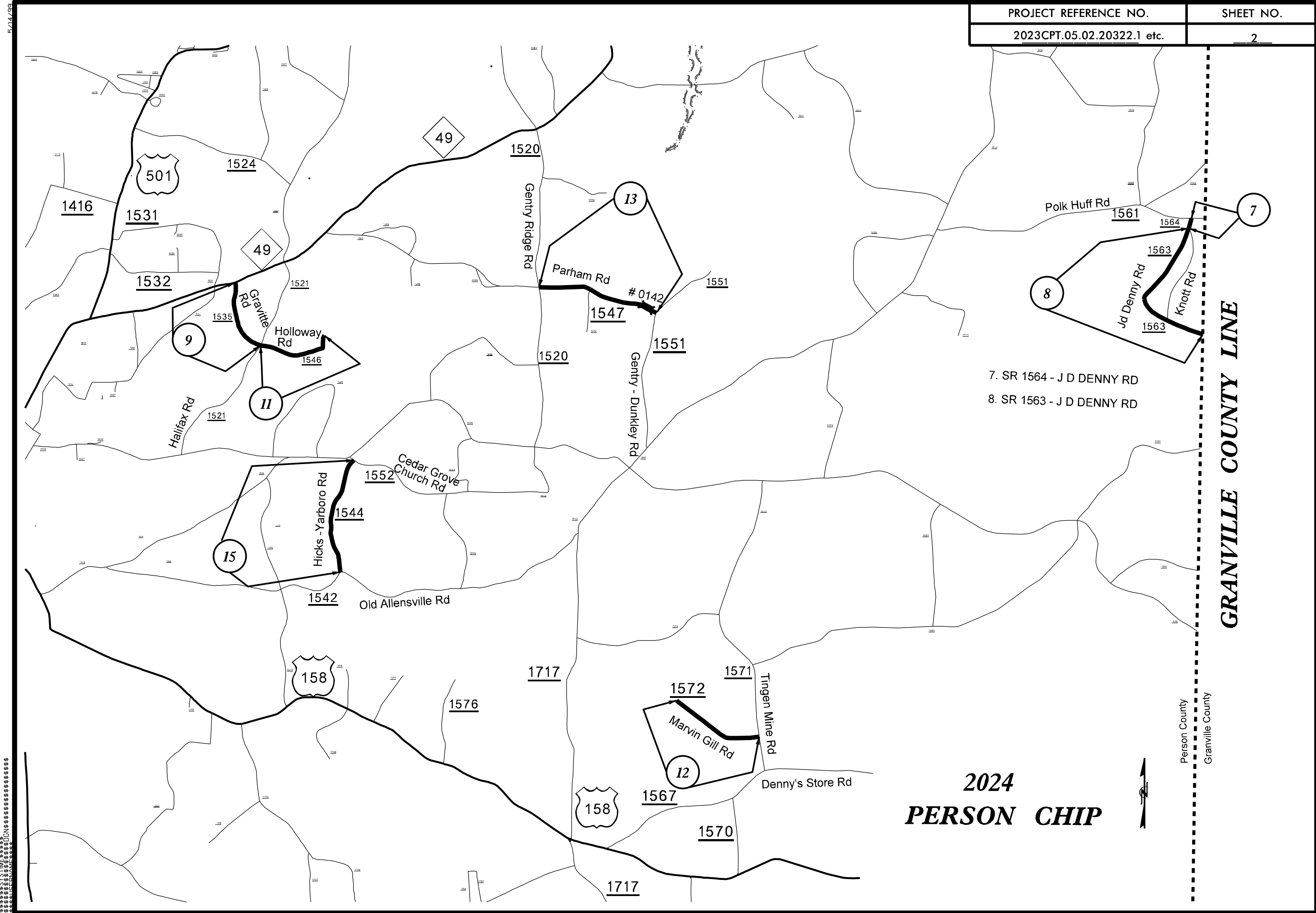


**2024
PERSON CHIP**

5/14/99
SYSTEMS DESIGN



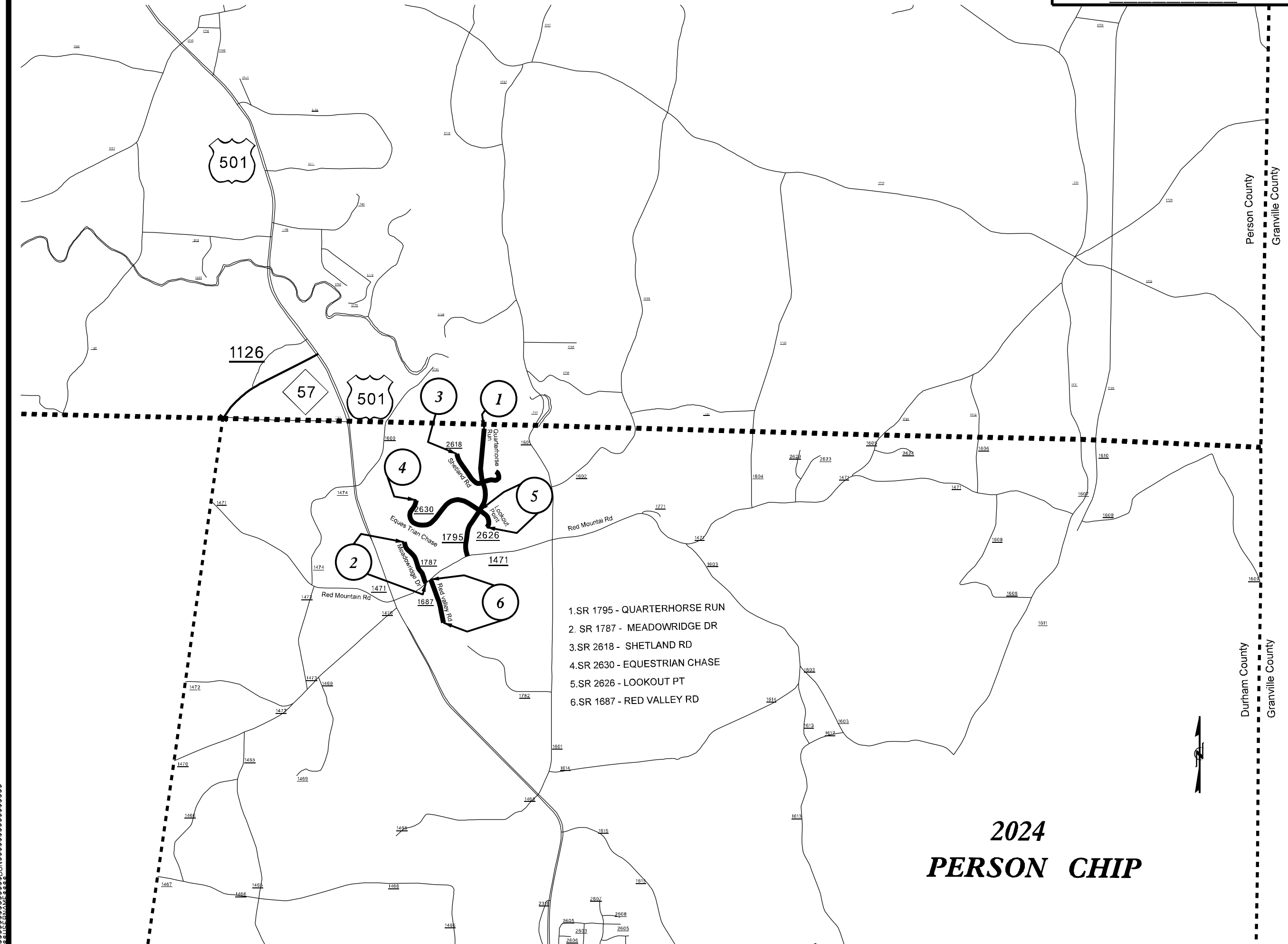
7. SR 1564 - J D DENNY RD
8. SR 1563 - J D DENNY RD

**2024
PERSON CHIP**

GRANVILLE COUNTY LINE

Person County
Granville County

5/14/23
STINE



- 1.SR 1795 - QUARTERHORSE RUN
- 2. SR 1787 - MEADOWRIDGE DR
- 3.SR 2618 - SHETLAND RD
- 4.SR 2630 - EQUESTRIAN CHASE
- 5.SR 2626 - LOOKOUT PT
- 6.SR 1687 - RED VALLEY RD

2024 PERSON CHIP



SYSTEMS DESIGN
 GRANVILLE COUNTY
 GRANVILLE COUNTY

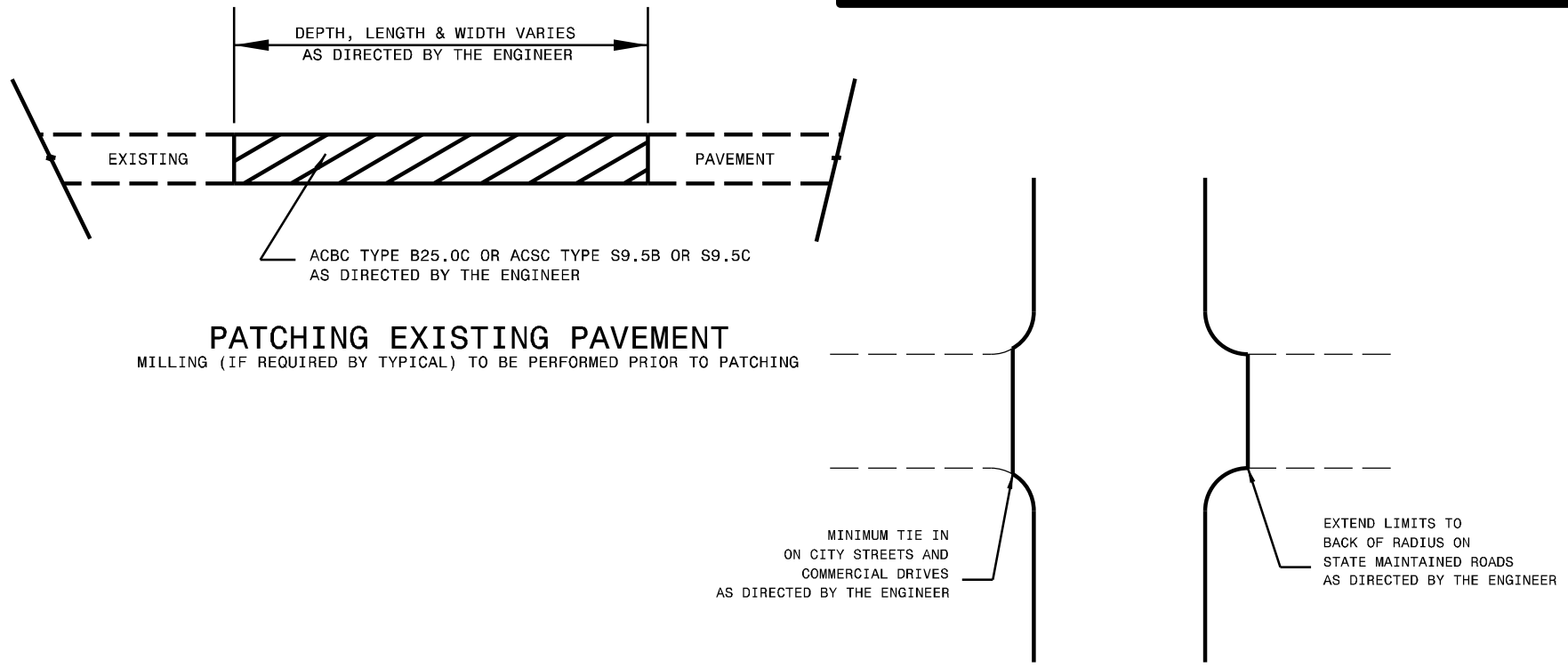
5/14/23

PAVEMENT SCHEDULE

PROJECT REFERENCE NO.
2023CPT.05.02.20322.1 etc.

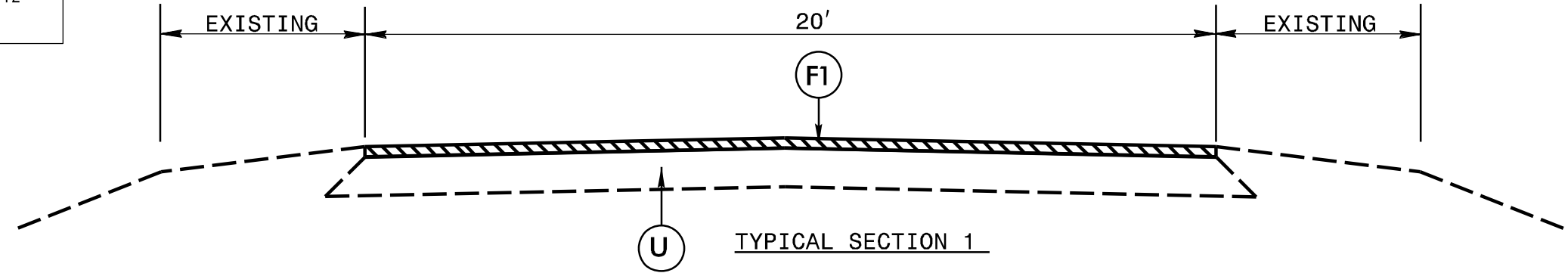
SHEET NO.
4

F1	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL
F2	PROP. FOG SEAL TO BE APPLIED WITHIN 5 DAYS OF DOUBLE SEAL ROADWAY SURFACE TO BE SWEEPED PRIOR TO FOG SEAL APPLICATION
U	EXISTING PAVEMENT

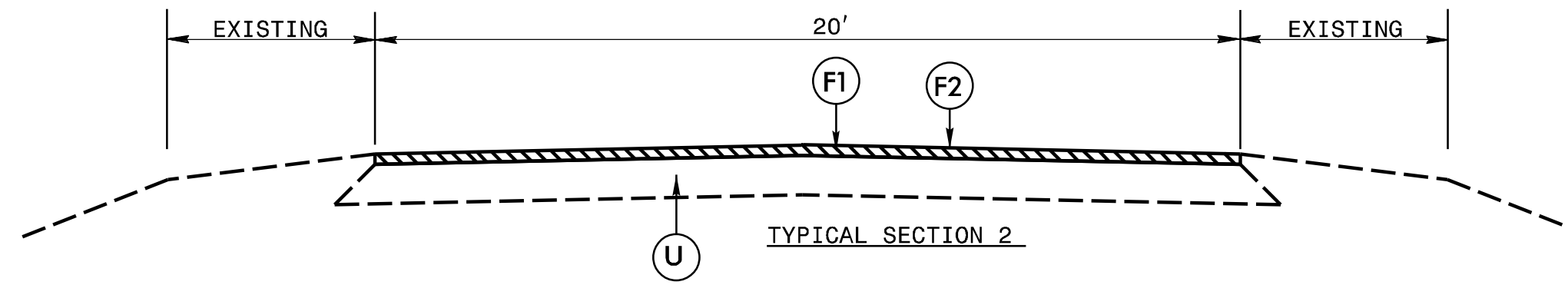


SEAL TYPES AND MATERIAL APPLICATION RATES					
MAP #	TYPE OF SEAL	LAYER	AGGREGATE TYPE	AGGREGATE TARGET RATES (LBS/SY)	EMULSION TARGET RATES (GAL/SY)
ALL MAPS	DOUBLE	BOTTOM	78M	18	0.30
		TOP	9M	9	0.25
			EMULSION TYPE		
map #5-15	FOG SEAL	WITHIN 5 DAYS OF DOUBLE SEAL	CSS-1H		0.12

DETAIL OF PROJECT LIMITS AT Y LINES



**on SR 1547 Pave over Bridge # 142 To Sr 1551 -Gentry-Dunkley Rd (include the newest looking part that was Paved in 2016) pave to SR 1551 Gentry Dunkley Rd*



PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.05.02.20322.1, etc.	5	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1575000000-E	1704000000-E	1803500000-E	1820000000-E	1838000000-E	
											ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	ASPHALT SURFACE TREATMENT, FOG SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	
											TON	TONS	SY	SY	GAL	
2023CPT.05.02.20322.1	Durham	1	SR 1795 - QUARTERHORSE RUN	SR 1471 - RED MOUNTAIN RD TO CUL-DE-SAC	2	2	NO	NO	1.03	20	0.240	5	12,135	12,135	6,674	
2023CPT.05.02.20322.1	Durham	2	SR 1787 - MEADOWRIDGE DR	SR 1471 - RED MOUNTAIN RD TO CUL-DE-SAC	2	2	NO	NO	0.38	20	0.240	5	4,499	4,499	2,474	
2023CPT.05.02.20322.1	Durham	3	SR 2618 - SHETLAND RD	DEAD END TO DEAD END	2	2	NO	NO	0.44	20	0.240	5	5,171	5,171	2,844	
2023CPT.05.02.20322.1	Durham	4	SR 2630 - EQUESTRIAN CHASE	SR 1795 - QUARTERHORSE RUN TO DEAD END	2	2	NO	NO	0.84	20	0.240	5	9,892	9,892	5,441	
2023CPT.05.02.20322.1	Durham	5	SR 2626 - LOOKOUT PT	SR 1795 - QUARTERHORSE RUN TO CUL-DE-SAC	2	2	NO	NO	0.17	20	0.240	5	2,120	2,120	1,166	
2023CPT.05.02.20322.1	Durham	6	SR 1687 - RED VALLEY RD	SR 1471 - RED MOUNTAIN RD TO DEAD END	2	2	NO	NO	0.36	20	0.240	5	4,231	4,231	2,327	
R PROJ NO. 2023CPT.05.02.20322.1											3.22	1.440	30	38,048	38,048	20,926
2023CPT.05.02.20732.1	Person	7	SR 1564 - J D DENNY RD	SR 1564 - KNOTT RD TO SR 1561 - POLK HUFF RD	1	2	NO	NO	0.09	20	0.050	1	1,082		595	
2023CPT.05.02.20732.1	Person	8	SR 1563 - J D DENNY RD	GRANVILLE CO TO SR 1564 - KNOTT RD	1	2	NO	NO	1.36	20	0.192	4	15,964		8,780	
2023CPT.05.02.20732.1	Person	9	SR 1535 - GRAVITTE RD	NC 49 TO SR 1521 - HALIFAX RD	1	2	NO	NO	0.65	20	0.240	5	7,683		4,226	
2023CPT.05.02.20732.1	Person	10	SR 1513 - BUCK STREET RD	SR 1512 - BOWMANTOWN RD TO END MAINTENANCE	1	2	NO	NO	1.27	20	0.240	5	14,939		8,216	
2023CPT.05.02.20732.1	Person	11	SR 1546 - HOLLOWAY RD	SR 1521 - HALIFAX RD TO DEAD END	1	2	NO	NO	0.57	20	0.240	5	6,717		3,694	
2023CPT.05.02.20732.1	Person	12	SR 1572 - MARVIN GILL RD	SR 1571 - TINGEN MINE RD TO CUL-DE-SAC	1	2	NO	NO	0.84	20	0.240	5	9,883		5,408	
2023CPT.05.02.20732.1	Person	13	SR 1547 - PARHAM RD	SR 1520 - GENTRY RIDGE RD TO SR 1551 - GENTRY- DUNKLEY RD	1	2	NO	NO	1.07	20	0.240	5	12,606		6,933	
2023CPT.05.02.20732.1	Person	14	SR 1511 - TATUM RD	SR 1512 - OLIVE BRANCH RD TO NC 49	1	2	NO	NO	1.56	20	0.240	5	18,374		10,106	
2023CPT.05.02.20732.1	Person	15	SR 1544 - HICKS YARBORO RD	SR 1552 - CEDAR GROVE CHURCH RD TO SR 1542 - OLD ALLENSVILLE RD	1	2	NO	NO	1.05	20	0.240	5	12,342		6,788	
TOTAL FOR PROJ NO. 2023CPT.05.02.20732.1											8.46	1.922	40.000	99,590		54,746
GRAND TOTAL											11.68	3	70	137,638	38,048	75,672




PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.05.02.20322.1, etc.	6	

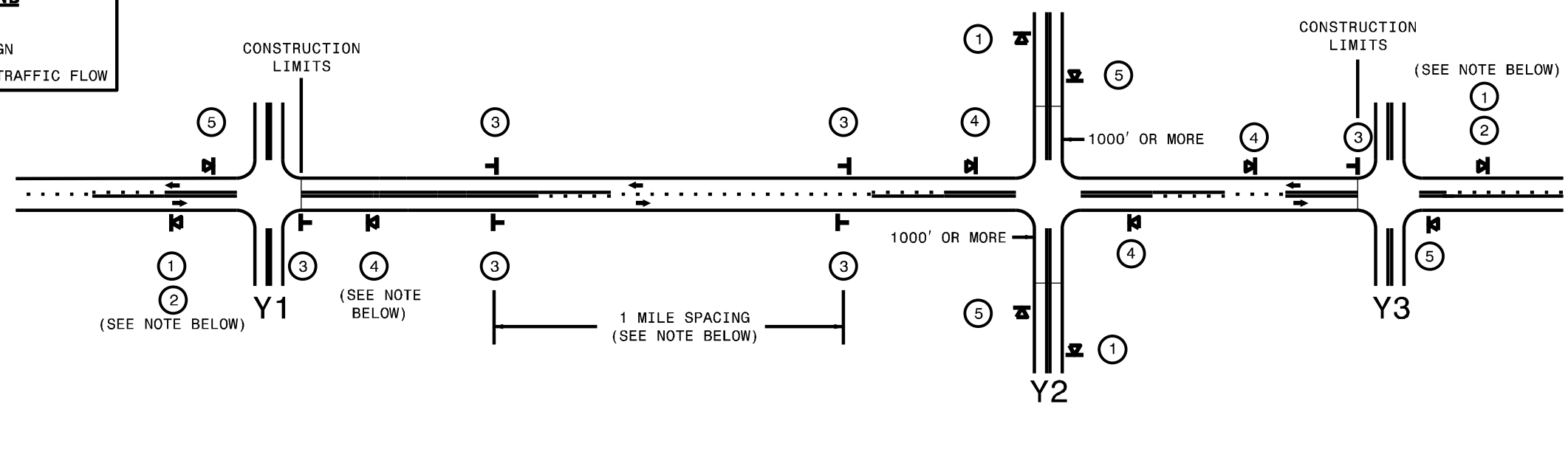
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	441300000-E	445700000-N	489000000-E
									WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	GENERIC MARKING, HOT SPRAY THERMOPLAST IC PAVEMENT MARKING LINES, 4", 55 MIL
							MI	FT	SF	LS	LF
2023CPT.05.02.20322.1	Durham	1	SR 1795 - QUARTERHORSE RUN	SR 1471 - RED MOUNTAIN RD TO CUL-DE-SAC	2	2	1.03	20	115	0.09	
2023CPT.05.02.20322.1	Durham	2	SR 1787 - MEADOWRIDGE DR	SR 1471 - RED MOUNTAIN RD TO CUL-DE-SAC	2	2	0.38	20	126	0.04	
2023CPT.05.02.20322.1	Durham	3	SR 2618 - SHETLAND RD	DEAD END TO DEAD END	2	2	0.44	20	49	0.05	
2023CPT.05.02.20322.1	Durham	4	SR 2630 - EQUESTRIAN CHASE	SR 1795 - QUARTERHORSE RUN TO DEAD END	2	2	0.84	20	94	0.07	
2023CPT.05.02.20322.1	Durham	5	SR 2626 - LOOKOUT PT	SR 1795 - QUARTERHORSE RUN TO CUL-DE-SAC	2	2	0.17	20	19	0.03	
2023CPT.05.02.20322.1	Durham	6	SR 1687 - RED VALLEY RD	SR 1471 - RED MOUNTAIN RD TO DEAD END	2	2	0.36	20	40	0.03	
R PROJ NO. 2023CPT.05.02.20322.1							3.22		443	0.31	
2023CPT.05.02.20732.1	Person	7	SR 1564 - J D DENNY RD	SR 1564 - KNOTT RD TO SR 1561 - POLK HUFF RD	1	2	0.09	20	10	0.02	1,918
2023CPT.05.02.20732.1	Person	8	SR 1563 - J D DENNY RD	GRANVILLE CO TO SR 1564 - KNOTT RD	1	2	1.36	20	153	0.12	18,196
2023CPT.05.02.20732.1	Person	9	SR 1535 - GRAVITTE RD	NC 49 TO SR 1521 - HALIFAX RD	1	2	0.65	20	73	0.06	13,858
2023CPT.05.02.20732.1	Person	10	SR 1513 - BUCK STREET RD	SR 1512 - BOWMANTOWN RD TO END MAINTENANCE	1	2	1.27	20	142	0.09	27,077
2023CPT.05.02.20732.1	Person	11	SR 1546 - HOLLOWAY RD	SR 1521 - HALIFAX RD TO DEAD END	1	2	0.57	20	76	0.05	14,497
2023CPT.05.02.20732.1	Person	12	SR 1572 - MARVIN GILL RD	SR 1571 - TINGEN MINE RD TO CUL- DE-SAC	1	2	0.84	20	94	0.06	17,908
2023CPT.05.02.20732.1	Person	13	SR 1547 - PARHAM RD	SR 1520 - GENTRY RIDGE RD TO SR 1551 - GENTRY- DUNKLEY RD	1	2	1.07	20	120	0.08	22,813
2023CPT.05.02.20732.1	Person	14	SR 1511 - TATUM RD	SR 1512 - OLIVE BRANCH RD TO NC 49	1	2	1.56	20	174	0.11	33,260
2023CPT.05.02.20732.1	Person	15	SR 1544 - HICKS YARBORO RD	SR 1552 - CEDAR GROVE CHURCH RD TO SR 1542 - OLD ALLENSVILLE RD	1	2	1.05	20	117	0.10	22,386
TOTAL FOR PROJ NO. 2023CPT.05.02.20732.1							8.46		959	0.69	171,913
GRAND TOTAL							11.68		1,402	1.00	171,913

SIGNING FOR ASPHALT SURFACE TREATMENT






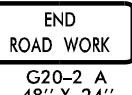
LEGEND

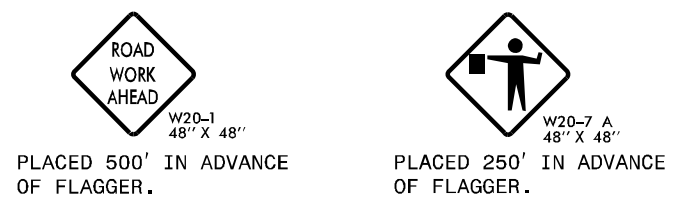
-  PORTABLE SIGN
-  STATIONARY SIGN
-  DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 ①  ②	- PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. - SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS.	STATIONARY SIGNING NOT REQUIRED FOR THE FOLLOWING -Y- LINE CONDITIONS: 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.
	 ③  ③	- ALTERNATE THE FOLLOWING TWO SIGNS: - STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT". - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	 ④	- 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.	
	 ⑤	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	
	THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.		



MAPS LESS THAN 2 MILES

FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.



ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DCON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$