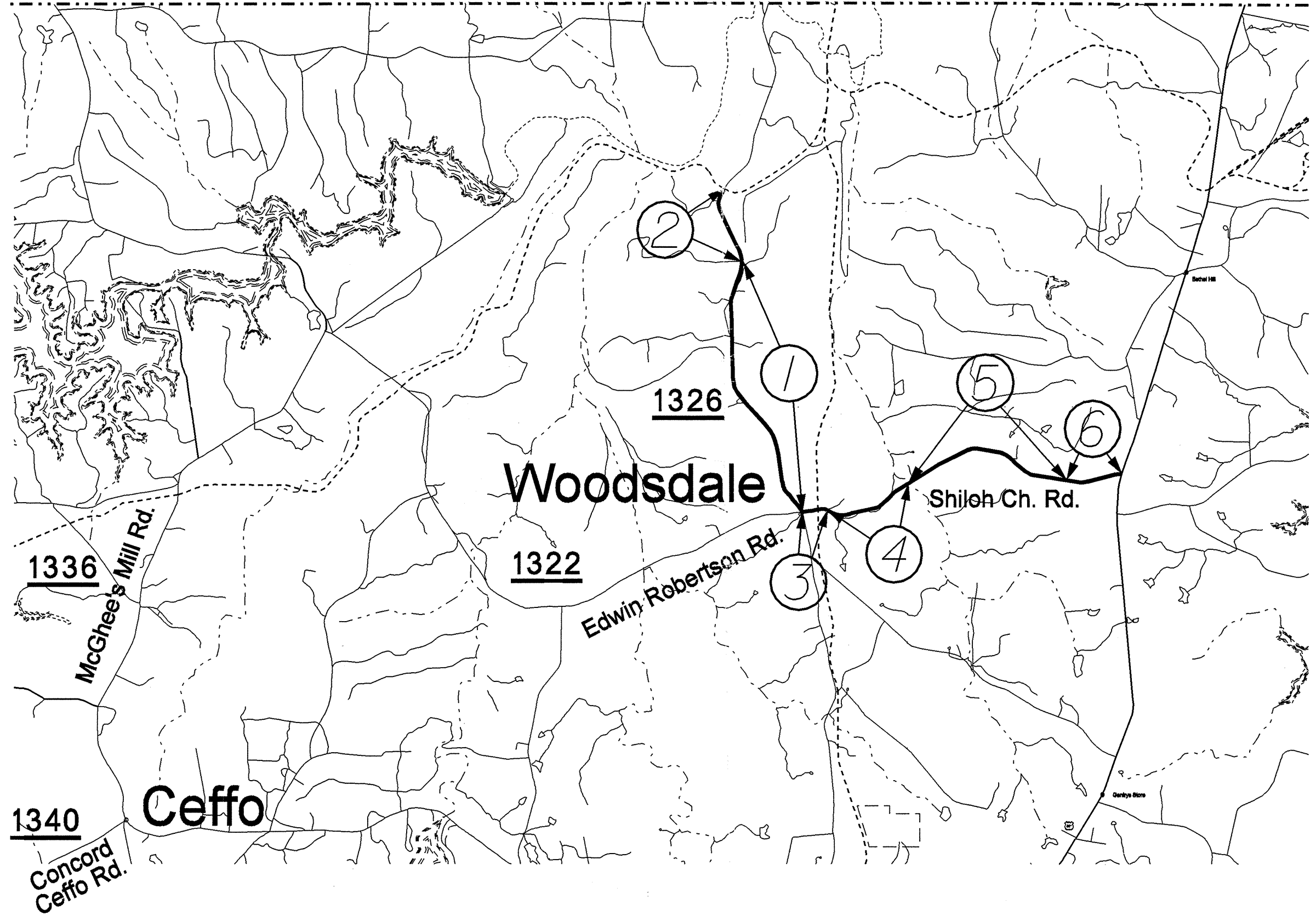


WBS 37651 and 41079

PERSON COUNTY



NOTES

ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF THE MAIN PROJECT.

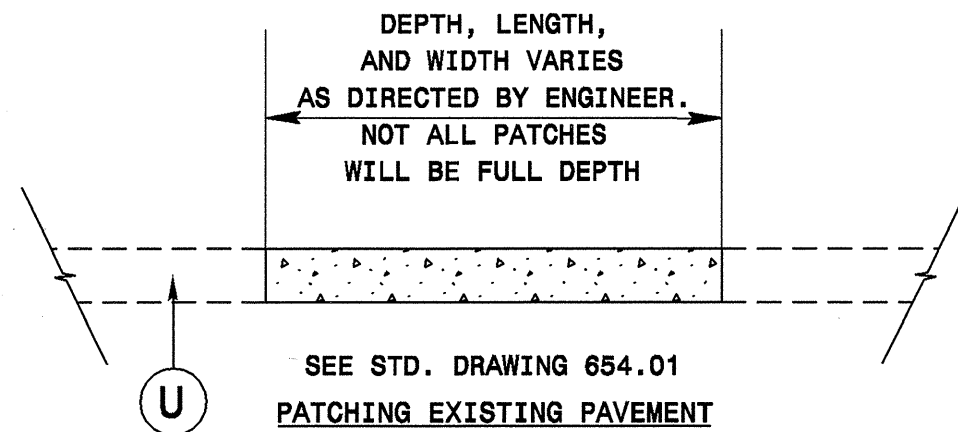
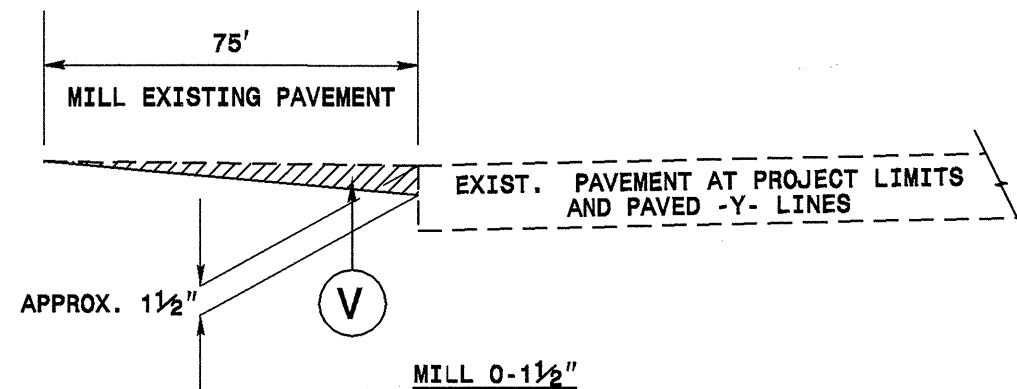
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.

EDGES, PAVEMENT WIDENING, AND INTERSECTIONS ARE INCLUDED IN THE TABLE OF QUANTITIES.

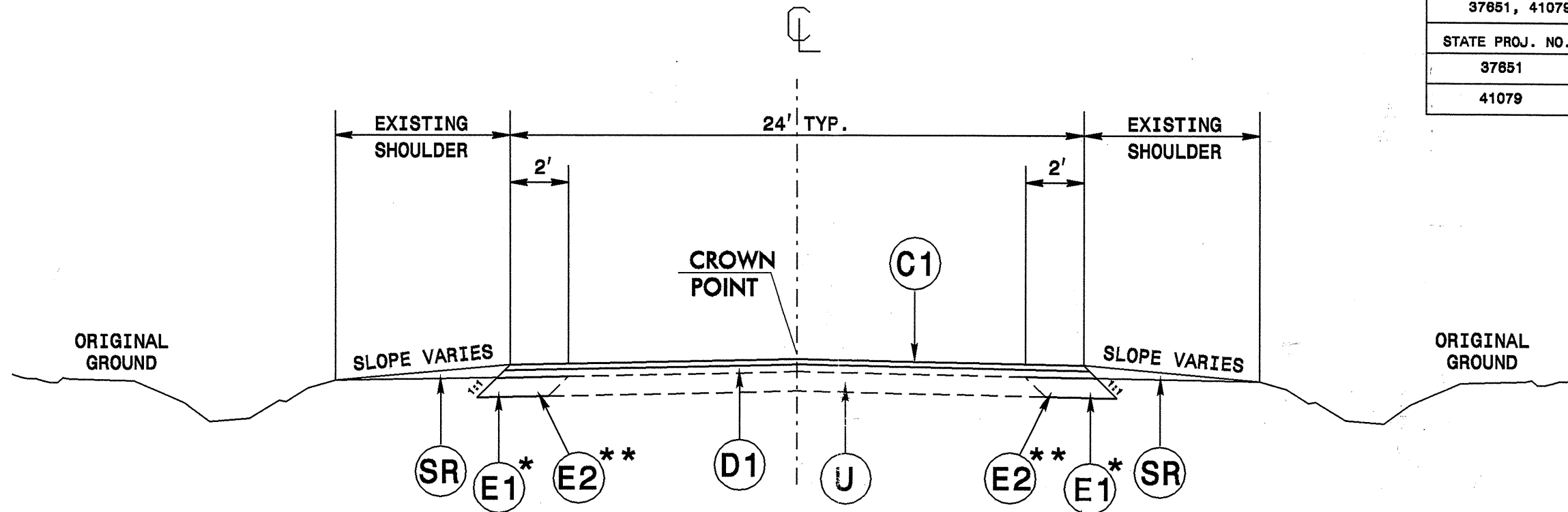
PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
37651, 41079	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
37651		MA05012R
41079		SB622, SB1005

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C3	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
D1	PROP. APPROX. 3.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
D2	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 5.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
E2	PROP. APPROX. 7.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
E3	PROP. APPROX. 9.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 513 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
SR	SHOULDER RECONSTRUCTION.
U	EXISTING PAVEMENT.
V	INCIDENTAL MILLING.



PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
37651, 41079	2	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
37651		MA05012R
41079		SB622, SB1005

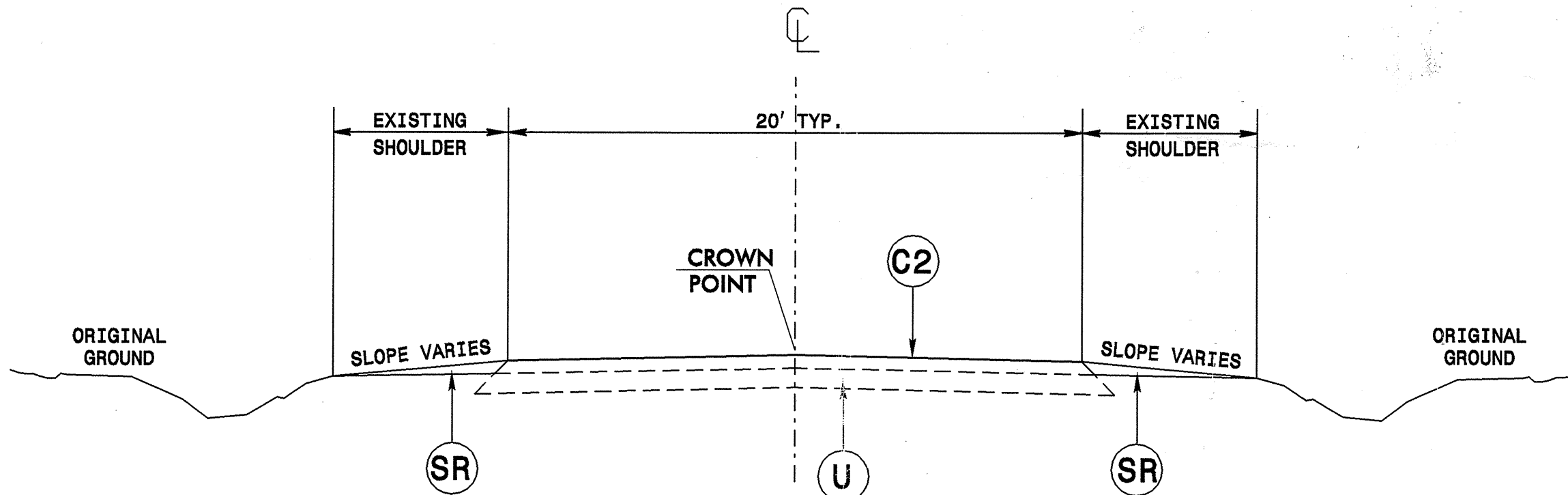


* USE E1 ON MAPS 1 AND 5
 ** USE E2 ON MAPS 3 AND 4

TYPICAL NO. 1

NOTE:

ON SR 1322 SHILOH CHURCH ROAD, STATE FORCES SHALL RELOCATE EXISTING DITCHES AND WIDEN EARTH SHOULDERS PRIOR TO CONTRACTOR WIDENING. CONTRACTOR SHALL RECONSTRUCT SHOULDERS AFTER WIDENING AND RESURFACING TO RELOCATED SHOULDER POINT ONLY.

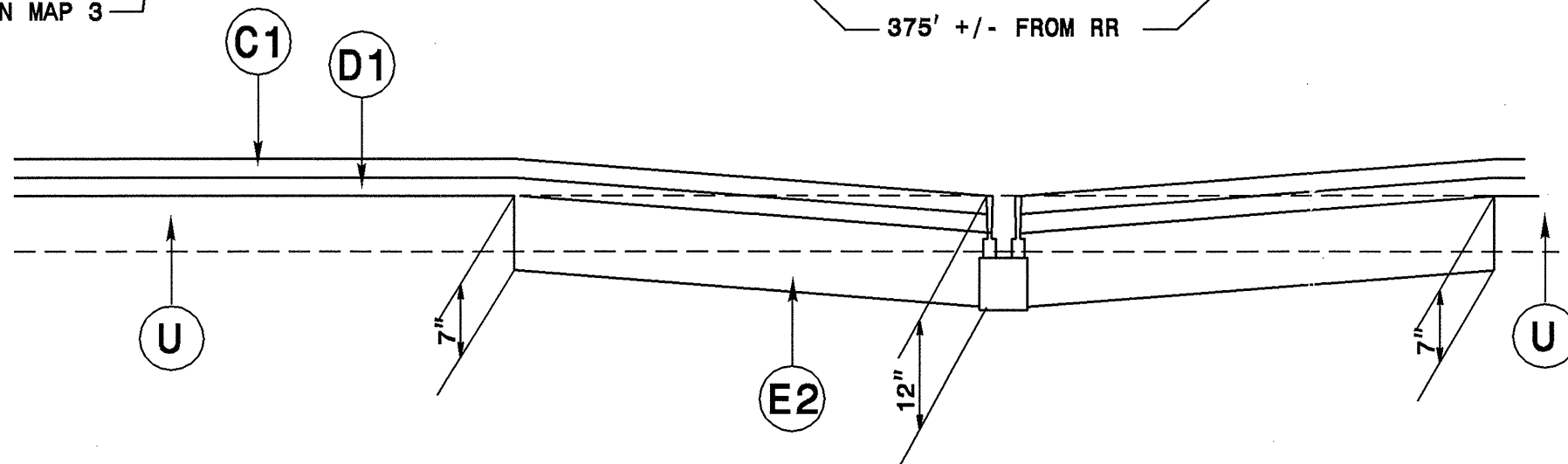


TYPICAL NO. 2



PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
37851, 41079	3	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
37851		MA05012R
41079		SB622, SB1005

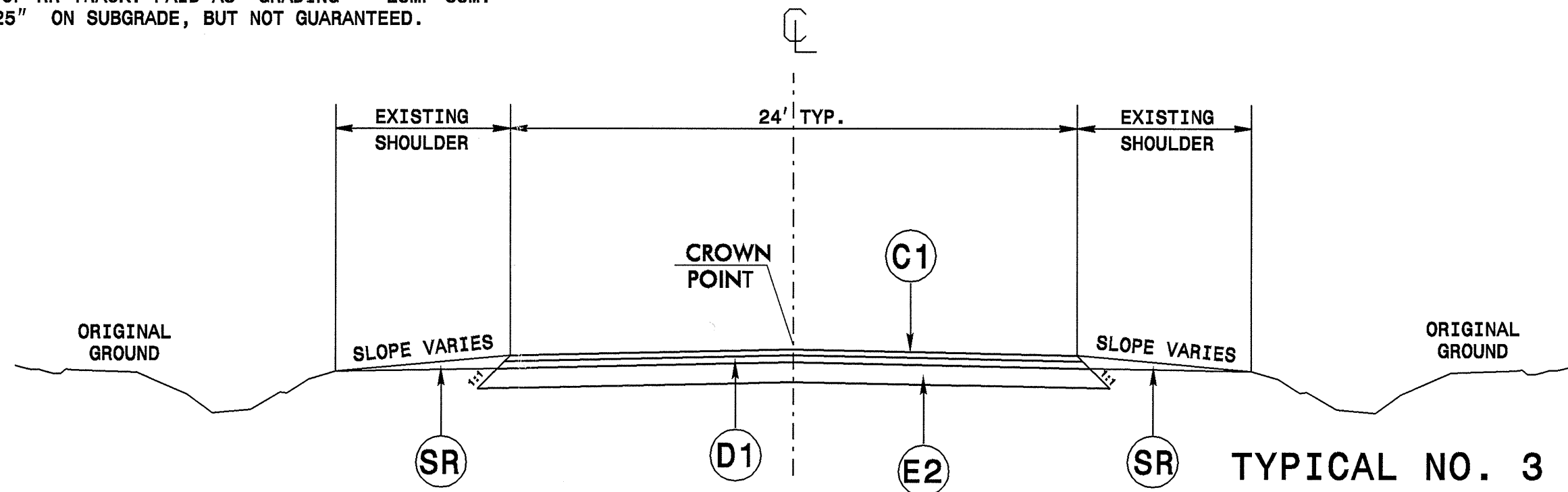
BEGIN MAP 3 ————— 375' +/- FROM RR ————— END MAP 3



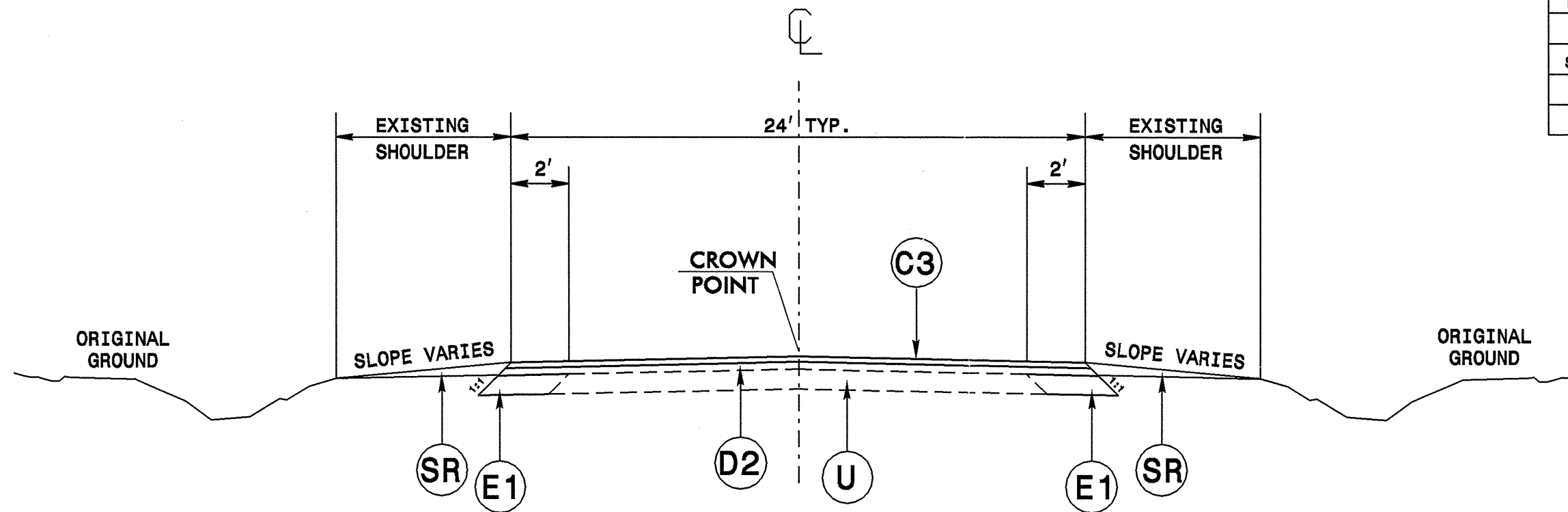
NOTE:

ON SR 1322 SHILOH CHURCH ROAD, STATE FORCES SHALL RELOCATE EXISTING DITCHES AND WIDEN EARTH SHOULDERS PRIOR TO CONTRACTOR WIDENING. CONTRACTOR SHALL RECONSTRUCT SHOULDERS AFTER WIDENING AND RESURFACING TO RELOCATED SHOULDER POINT ONLY.

REMOVE 7" TO 12" 375' EITHER SIDE OF RR TRACK. PAID AS "GRADING" - LUMP SUM. EXISTING ASPHALT APPROX. 3.25" ON SUBGRADE, BUT NOT GUARANTEED.



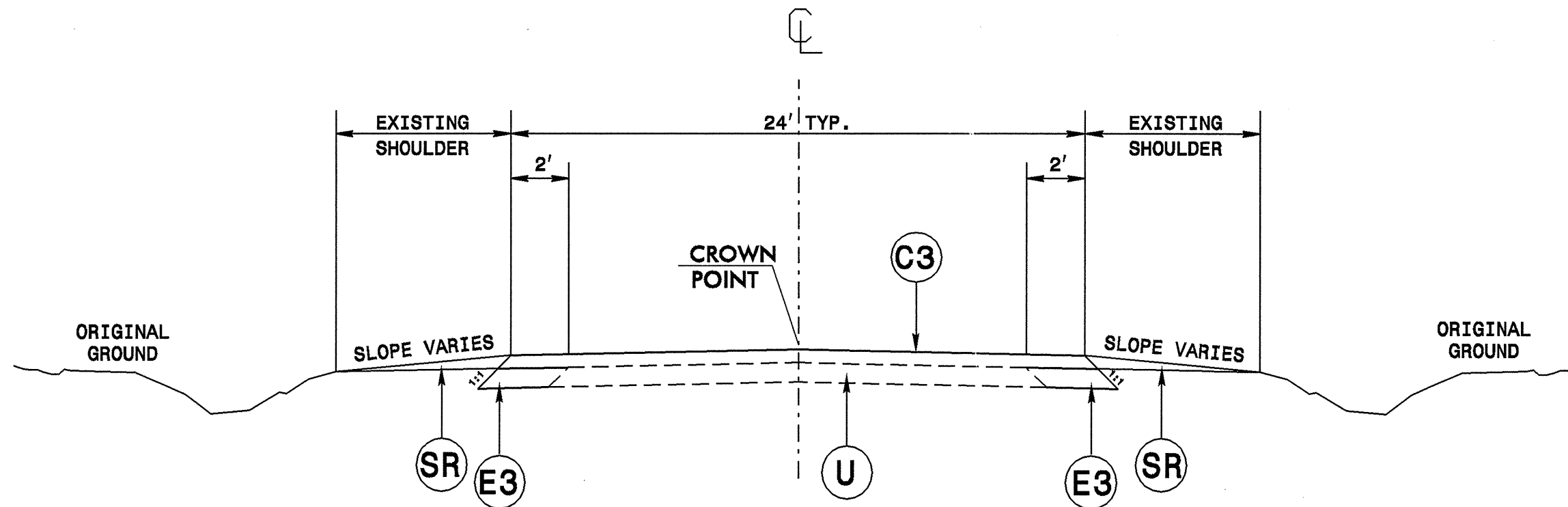
PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
37651, 41079	4	4
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
37651		MA05012R
41079		SB622, SB1005



TYPICAL NO. 4

NOTE:

ON SR 1322 SHILOH CHURCH ROAD, STATE FORCES SHALL RELOCATE EXISTING DITCHES AND WIDEN EARTH SHOULDERS PRIOR TO CONTRACTOR WIDENING. CONTRACTOR SHALL RECONSTRUCT SHOULDERS AFTER WIDENING AND RESURFACING TO RELOCATED SHOULDER POINT ONLY.



TYPICAL NO. 5

NOTE:

ON SR 1322 SHILOH CHURCH ROAD, STATE FORCES SHALL RELOCATE EXISTING DITCHES AND WIDEN EARTH SHOULDERS PRIOR TO CONTRACTOR WIDENING. CONTRACTOR SHALL RECONSTRUCT SHOULDERS AFTER WIDENING AND RESURFACING TO RELOCATED SHOULDER POINT ONLY.

PROJECT NO.	SHEET NO.	TOTAL NO.
37651, 41079	5	

SUMMARY OF QUANTITIES

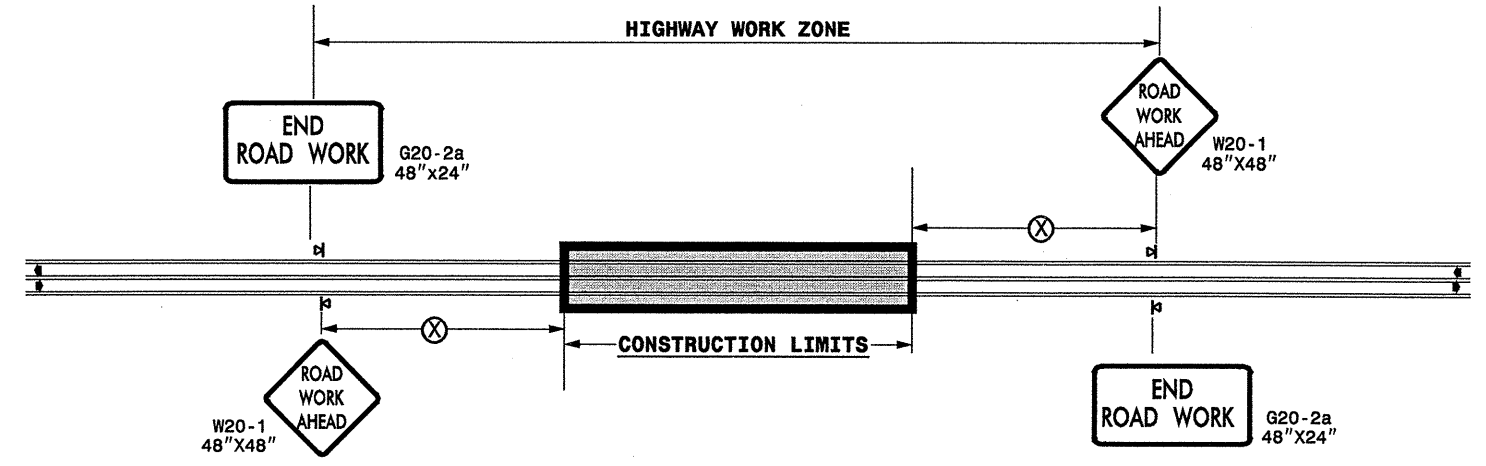
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	GRADING LS	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	INTERMEDIATE COURSE, I19.0C TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, TYPE S9.5C TON	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	GUARDRAIL ANCHOR UNIT - TYPE 350 EA	SEED & MULCHING AC
37651	Person	3	SR 1322 SHILOH CHURCH	FROM SR 1326 WOODSDALE RD TO DOROTHY BROOKS RD	1, 3	0.2	24	1	24	0.4		850	501	327		60	20			0.30
		4	SR 1322 SHILOH CHURCH ROAD	FROM DOROTHY BROOKS RD TO 150' WEST OF THE BOX CULVERT	1	0.8	24		32	1.6		1,142	2,005	1,308	100	143	85	130		1.20
		5	SR 1322 SHILOH CHURCH ROAD	FROM 150' WEST OF THE BOX CULVERT TO 0.4 MILES WEST OF US 501	4	1.1	24		44	2.2		1,080	3,688	2,708	100	220	169	270		1.65
		6	SR 1322 SHILOH CHURCH ROAD	FROM 0.4 MILES WEST OF US 501 TO US 501	5	0.4	24		32	0.8	200	761		985		33	59			0.60
TOTAL FOR PROJ NO. 37651						2.5		1	132	5	200	3,833	6,194	5,328	200	456	333	400		3.75
41079	Person	1	SR 1326 WOODSDALE RD	FROM SR 1322 SHILOH CHURCH RD TO THE NEW SUNROCK QUARRY ENTRANCE	1	1.95	24		234	3.9	400	1,915	4,981	3,189	400	316	217	300		2.93
		2	SR 1326 WOODSDALE RD	FROM THE NEW SUNROCK QUARRY ENTRANCE TO THE BRIDGE OVER NS RR	2	0.6	20		24	1.2	200			613			37		4	0.90
TOTAL FOR PROJ NO. 41079						2.55		0	258	5.1	600	1,915	4,981	3,802	400	316	254	300	4	3.83
GRAND TOTAL						5.05		1	390	10.1	800	5,748	11,175	9,130	600	772	587	700	4	7.58

PROJECT NO.	SHEET NO.	TOTAL NO.
37651, 41079	6	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4685000000-E	4686000000-E	4705000000-E	4710000000-E	4721000000-E	4810000000-E	4830000000-E	4835000000-E	4840000000-N	4900000000-N
					4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	16" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO CHARACTER RXR EA	4" YELLOW PAINT LF	16" WHITE PAINT LF	24" WHITE PAINT LF	PAINT MSG RXR EA	YELLOW & YELLOW MARKERS EA
37651	Person	3	SR 1322 SHILOH CHURCH	FROM SR 1326 WOODSDALE RD TO DOROTHY BROOKS RD	2,152	2,112	100	100	4	2,112	100	150	4	13
		4	SR 1322 SHILOH CHURCH ROAD	FROM DOROTHY BROOKS RD TO 150' WEST OF THE BOX CULVERT	8,608	8,448				8,448				53
		5	SR 1322 SHILOH CHURCH ROAD	FROM 150' WEST OF THE BOX CULVERT TO 0.4 MILES WEST OF US 501	11,836	11,616				23,232				73
		6	SR 1322 SHILOH CHURCH ROAD	FROM 0.4 MILES WEST OF US 501 TO US 501	4,304	4,224				4,224				26
TOTAL FOR PROJ NO. 37651					26,900	26,400	100	100	4	38,016	100	150	4	165
41079	Person	1	SR 1326 WOODSDALE RD	FROM SR 1322 SHILOH CHURCH RD TO THE NEW SUNROCK QUARRY ENTRANCE	20,982	20,592				20,592				129
		2	SR 1326 WOODSDALE RD	FROM THE NEW SUNROCK QUARRY ENTRANCE TO THE BRIDGE OVER NS RR	6,456	6,336								40
TOTAL FOR PROJ NO. 41079					27,438	26,928				20,592				169
GRAND TOTAL					54,338	53,328	100	100	4	58,608	100	150	4	334

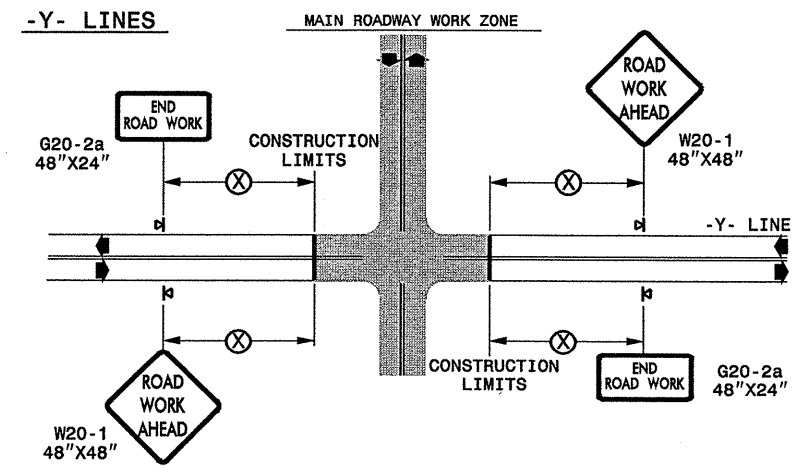
TWO-WAY UNDIVIDED ** (L-LINES)



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING
≤ 50	500'
≥ 55	1000'

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

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)

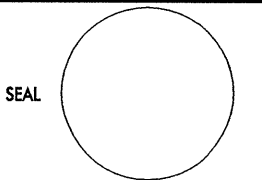


**DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS**

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.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND	
◀	PORTABLE SIGN
▶	DIRECTION OF TRAFFIC FLOW

APPROVED: _____	DATE: _____								
	DETAIL DRAWING FOR TWO-WAY UNDIVIDED ADVANCED WORK ZONE WARNING SIGNS								
	SCALE: NONE								
	DATE: _____								
	DWG. BY: _____								
	DESIGN BY: _____								
REVIEWED BY: _____	<table border="1"> <thead> <tr> <th align="center" colspan="2">REVISIONS</th> </tr> </thead> <tbody> <tr> <td>7-98</td> <td>10/01</td> </tr> <tr> <td>10-98</td> <td>03/04</td> </tr> <tr> <td>01/01</td> <td>11/04</td> </tr> </tbody> </table>	REVISIONS		7-98	10/01	10-98	03/04	01/01	11/04
REVISIONS									
7-98	10/01								
10-98	03/04								
01/01	11/04								

27-OCT-2006 14:09 \\DOT\DFSR00101\GROUPS-WZ\TCCC\design\group4\resur\fac\resur-facing\resur-facing2006\div05\37651per-sondec06\37651_2wayundivurbfrwys\july2006.dgn pseyvmore AT WZT206427

TWO LANE, TWO WAY WORK ZONE (L-LINES)

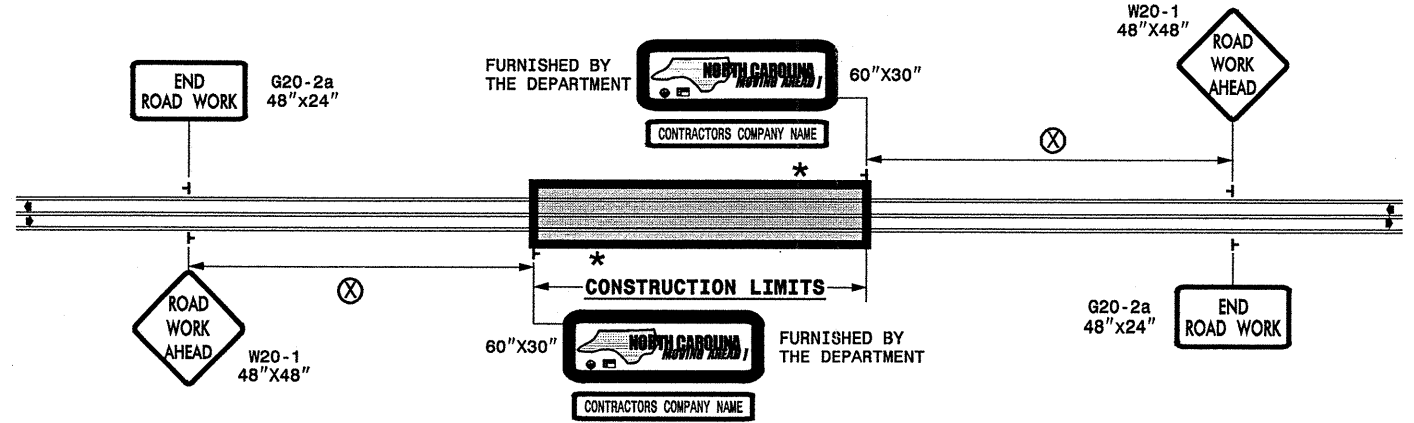
FURNISHED BY THE DEPARTMENT



60" X 30"

CONTRACTORS COMPANY NAME

60" Max. X 12"



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING
P.S.L. ≤ 50	350'
P.S.L. ≥ 55	500'

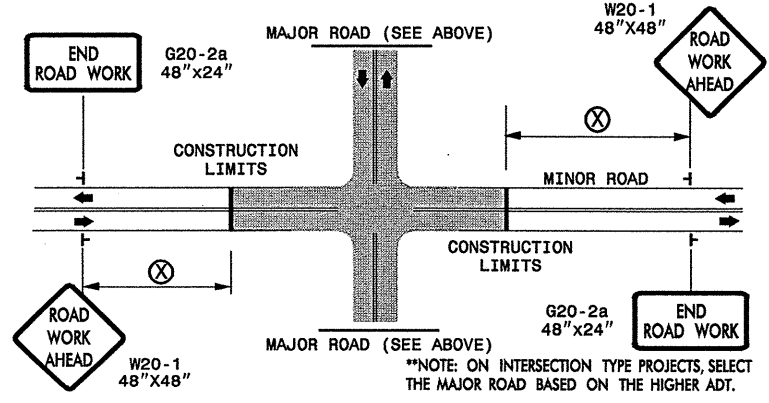
*** ROAD WORK NEXT XX MILES** G20-1A 60"x24"

THIS SIGN TO BE USED ON PROJECTS LONGER THAN 2 MILES THE NUMBER DISPLAYED ON THE SIGN IS TO BE A WHOLE NUMBER ROUNDED UP TO THE NEXT MILE IT'S TO BE LOCATED 1,500 FEET INSIDE OF THE CONSTRUCTION LIMITS

PROJ. REFERENCE NO. 37651 & 41079	SHEET NO. NCMA-1
--------------------------------------	---------------------

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

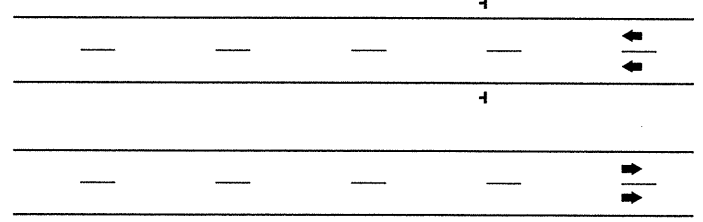
INTERSECTIONS (-Y- LINES)



FREEWAYS/INTERSTATES

DUAL MOUNT "ROAD WORK AHEAD" SIGNS 1,000' IN ADVANCE OF PROJECT LIMITS

DUAL MOUNT "MOVING AHEAD" SIGNS 500' IN ADVANCE OF PROJECT LIMITS



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. USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- 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.

LEGEND

┆ STATIONARY SIGN

◄ DIRECTION OF TRAFFIC FLOW

DETAIL DRAWING FOR ADVANCE
WARNING WORK ZONE SIGNS

SHEET 1 OF 1

APPROVED: _____ DATE: _____	ADVANCE WARNING WORK ZONE SIGNS FOR "MOVING AHEAD"	
SEAL	SCALE: NONE	REVISIONS
	DATE: 07/03	11/04
	DWG. BY: JSK	12/04
	DESIGN BY: JSK	
REVIEWED BY: SK		