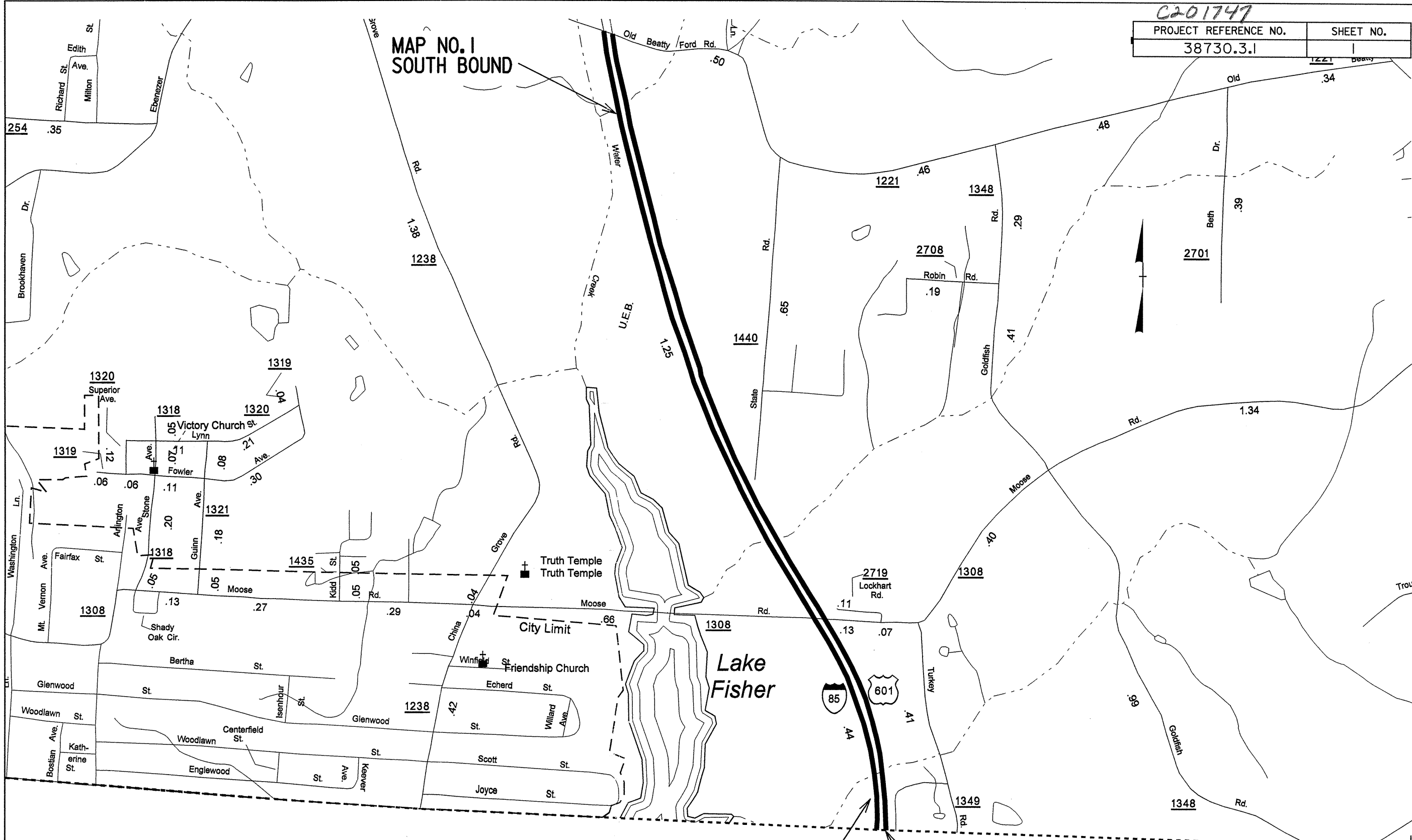


C201747

PROJECT REFERENCE NO.	SHEET NO.
38730.3.1	1



MAP NO. 1
SOUTH BOUND

MAP NO. 1
END AT PAVEMENT JOINT
OR AS APPROVED BY ENGINEER

MAP NO. 2 - NORTH BOUND
BEGIN AT COUNTY LINE OR
PAVEMENT JOINT AS
APPROVED BY ENGINEER

I-4718
Rowan County

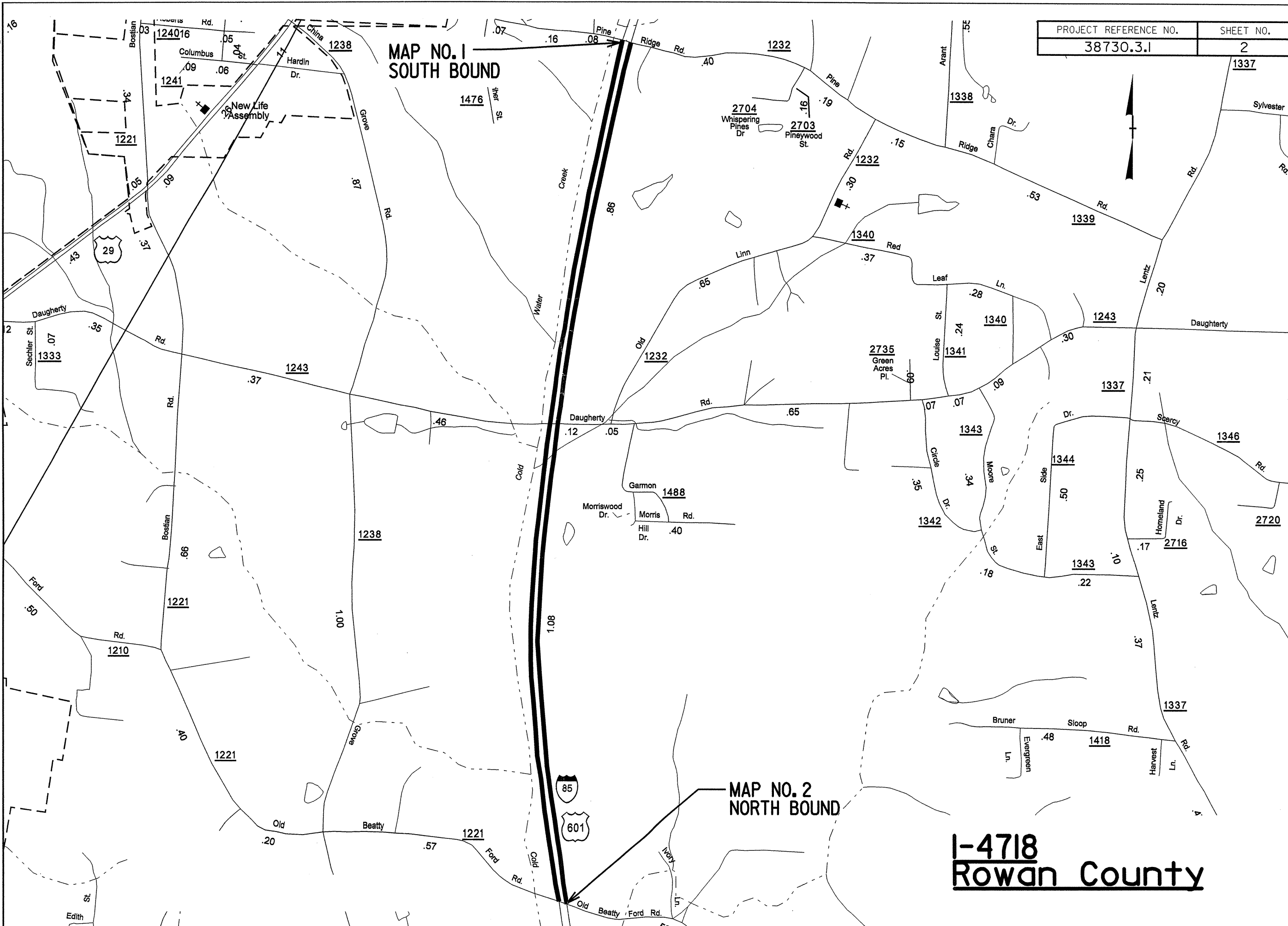
7/2/99

PROJECT REFERENCE NO.	SHEET NO.
38730.3.1	2

**MAP NO. 1
SOUTH BOUND**

**MAP NO. 2
NORTH BOUND**

**I-4718
Rowan County**



PROJECT REFERENCE NO.	SHEET NO.
38730.3.1	3

Blackwelder
2552

MAP NO. 1- SOUTH BOUND
BEGIN AT PAVEMENT JOINT OR
AS APPROVED BY ENGINEER

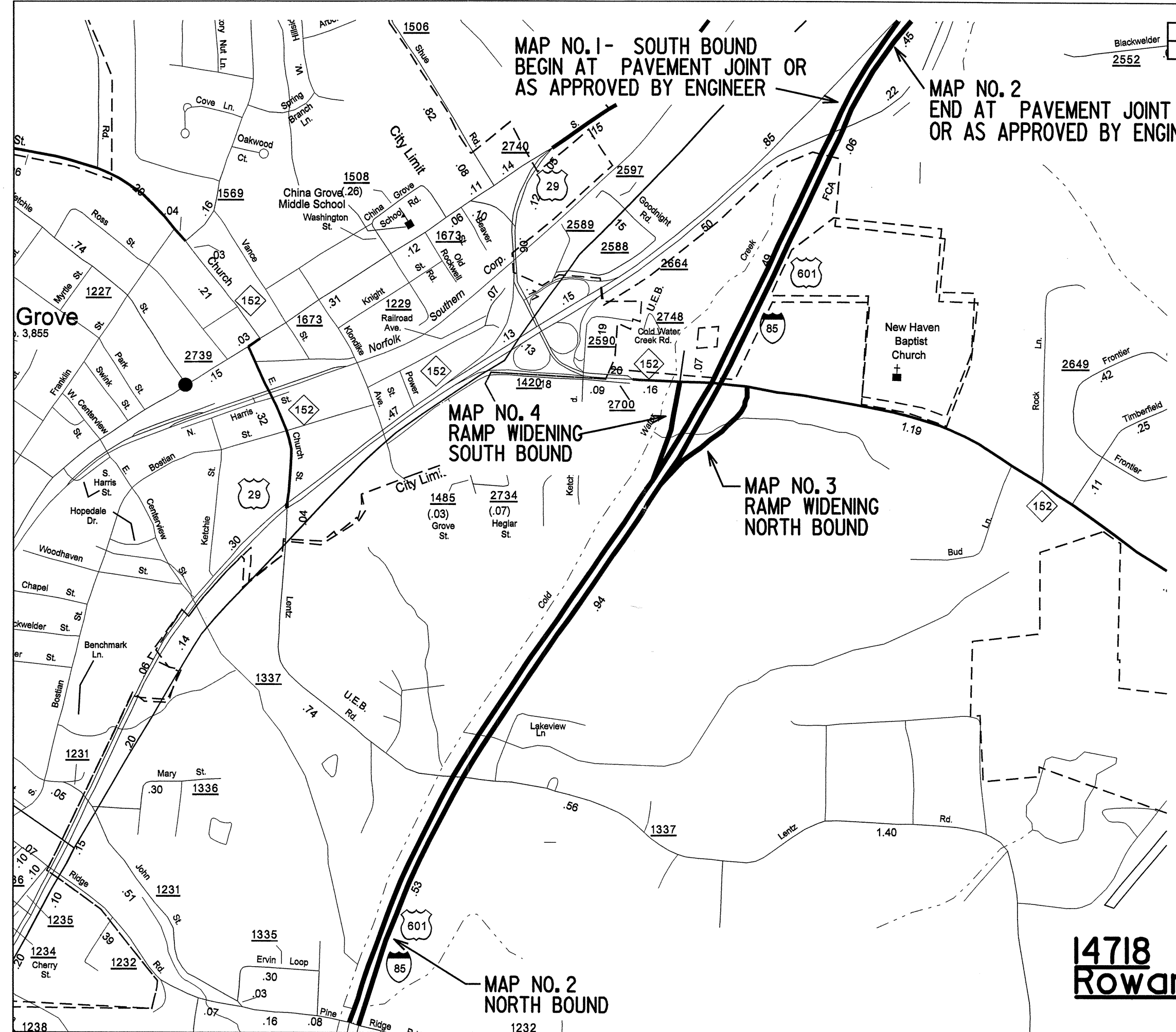
MAP NO. 2
END AT PAVEMENT JOINT
OR AS APPROVED BY ENGINEER

MAP NO. 4
RAMP WIDENING
SOUTH BOUND

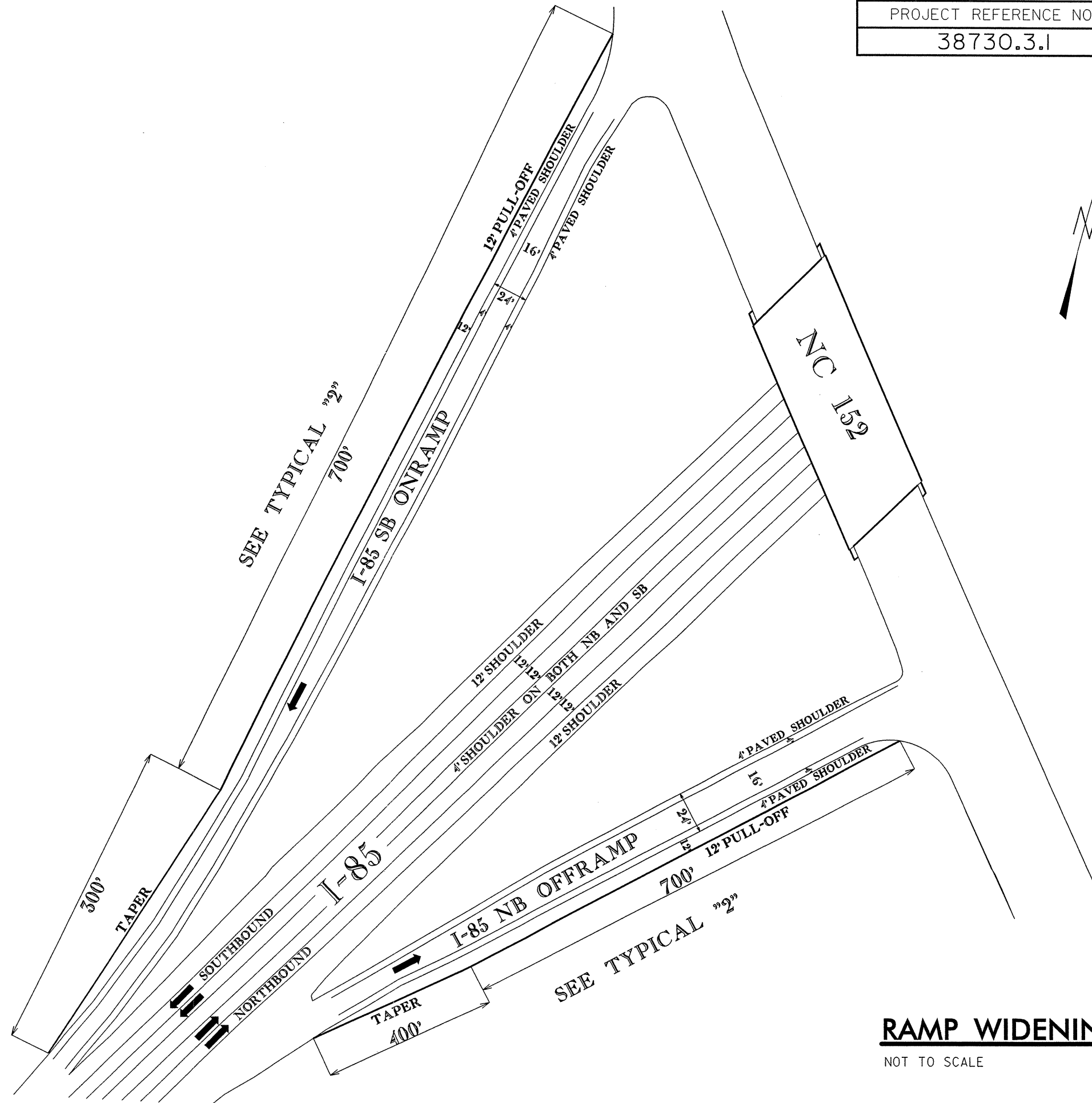
MAP NO. 3
RAMP WIDENING
NORTH BOUND

MAP NO. 2
NORTH BOUND

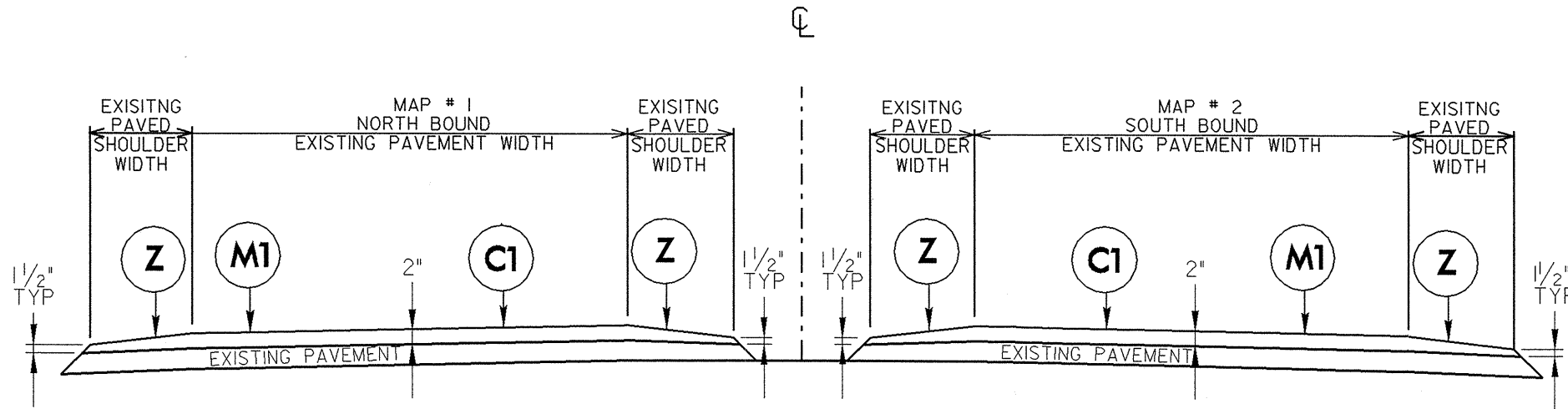
14718
Rowan County



PROJECT REFERENCE NO.	SHEET NO.
38730.3.1	4

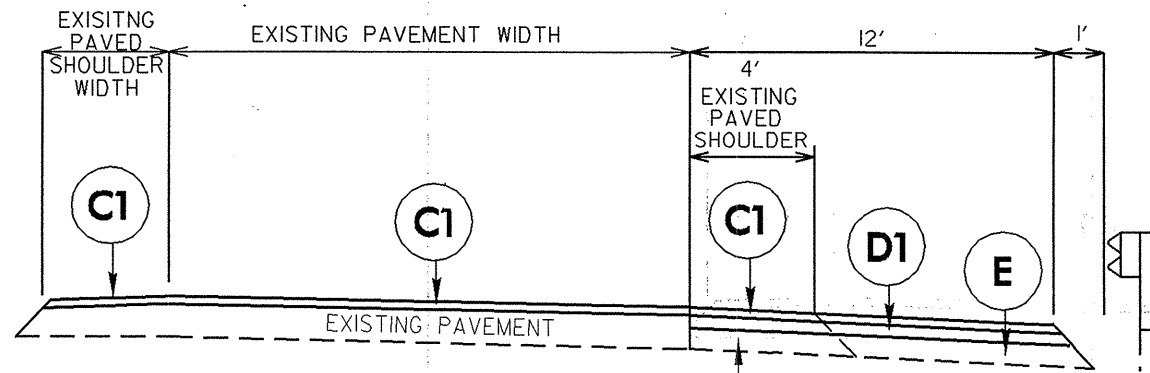


RAMP WIDENING PLAN
NOT TO SCALE



NOTE:
CONTRACTOR TO TAPER SURFACE
COURSE TO A THICKNESS OF
1 1/2" AT EXISTING EDGE OF
SHOULDERS (TYP)

TYPICAL SECTION NO.1



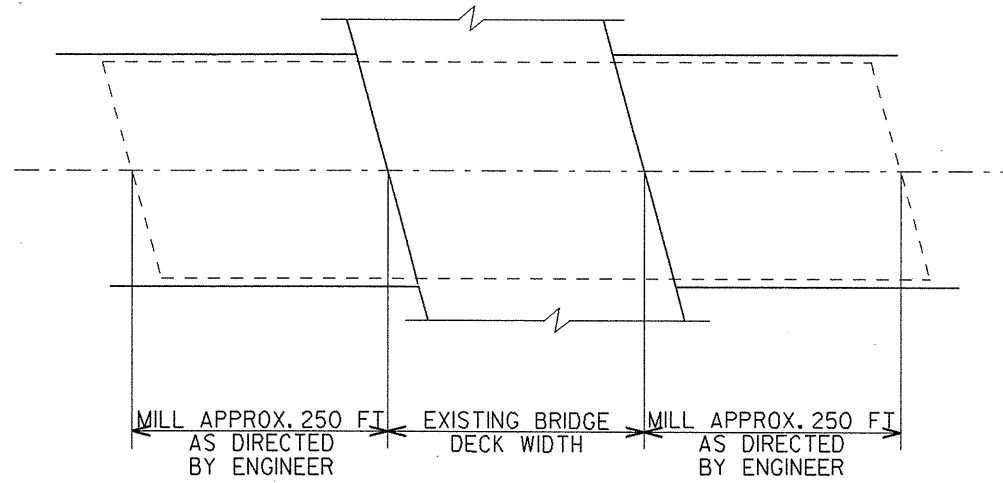
NOTE:
MILL AND REMOVE EXISTING PAVED SHOULDER
MILL EXISTING SHOULDER TO 1 FOOT CLEAR OF
EXISTING GUARDRAIL
MATCH EXISTING SHOULDER SLOPES

TYPICAL SECTION NO.2

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E	PROP. APPROX. 5 1/2" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 827 LBS. PER SQ. YD.
M1	INCIDENTAL MILLING
Z	MILLED RUMBLE STRIPS

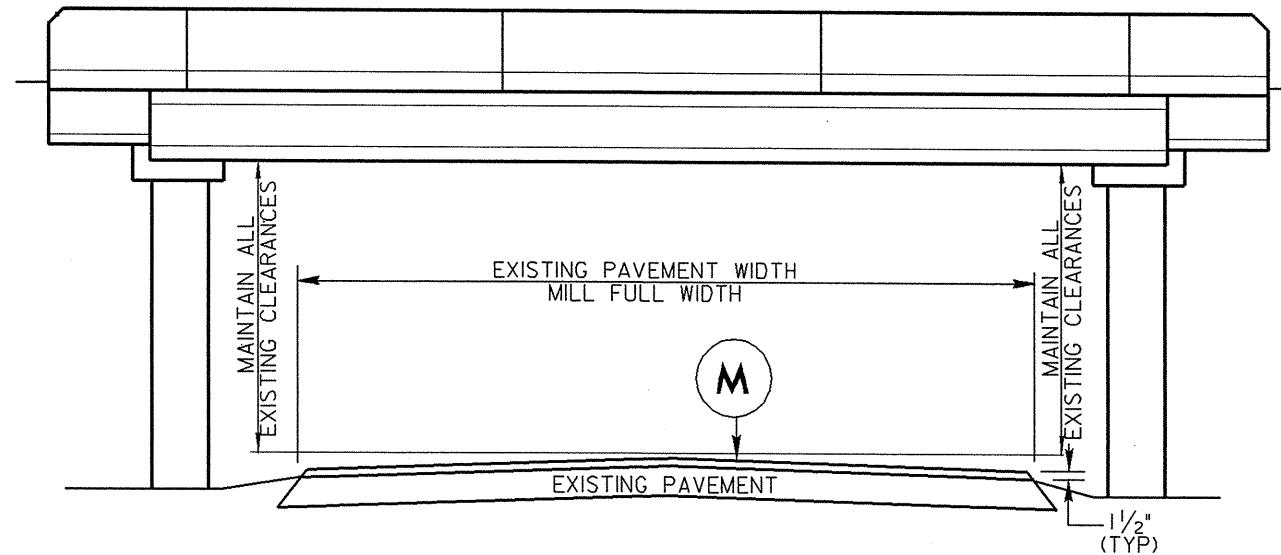
7/2/99

PROJECT REFERENCE NO.	SHEET NO.
38730.3.1	6



NOTE:
MILL ASPHALT 0"-2"
(FULL WIDTH OF PAVEMENT)
MAINTAIN ALL EXISTING BRIDGE CLEARANCES

**MILLING ASPHALT PAVEMENT
AT BRIDGE APPROACH
PLAN VIEW**



**BRIDGE NOS. 32, 65, 68, 84,
BRIDGE NOS. 87, 91, 94**

MAINTAIN ALL EXISTING BRIDGE
CLEARANCES IN NORTH AND
SOUTH BOUND MAPS

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 2 " ASPHALT CONCRETE SURFACE COURSE, TYPE 89.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
D1	PROP. APPROX. 4 " ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E	PROP. APPROX. 5 1/2 " ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 827 LBS. PER SQ. YD.
M	VARIABLE DEPTH MILLING , 0" TO 2" DEPTH.
Z	MILLED RUMBLE STRIPS

PROJECT NO.	SHEET NO.	TOTAL NO.
I-4718 (38730.3.1)	7	9

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	GEN MISC ITEM(POLY MER MOD CONC PVMT REPAIR) LB	GRADING LS	UNDERCUT EXCAV. CY	INCIDENTAL STONE BASE TONS	0" TO 2" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0C TONS	INTERMED. COURSE, I19.0C TONS	SURFACE COURSE, S9.5D TON	PG 64-22 PLANT MIX TONS	PG 76-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	MILLED RUMBLE STRIPS LF	PORTABLE LIGHT PLANT LS
38730.3.1	Rowan	1	I-85 SB	I-85 FROM THE CABARRUS COUNTY LINE TO NORTH OF NC 152	1	5.618	41	2,000		100		12,391	250			16,968		1,020	25	60,000	*
		2	I-85 NB	I-85 FROM THE CABARRUS COUNTY LINE TO NORTH OF NC 152	1	5.467	38	2,000		100		2,263	250			15,650		940	25	60,000	*
		3	152 NB RAMP	12 FT SHOULDER RAMP WIDENING	2	0.217	12		*		100			600	432	524	46	31			*
		4	152 SB RAMP	12 FT SHOULDER RAMP WIDENING	2	0.193	12		*		100			543	392	469	42	28			*
TOTAL FOR PROJ NO. 38730.3.1						11.495		4,000	1	200	200	14,654	500	1,143	824	33,611	88	2,019	50	120,000	1
GRAND TOTAL						11.495		4,000	1	200	200	14,654	500	1,143	824	33,611	88	2,019	50	120,000	1

PROJECT NO.	SHEET NO.	TOTAL NO.
I-4718 (38730.3.1)	8	9

THERMOPLASTIC AND PAINT QUANTITIES

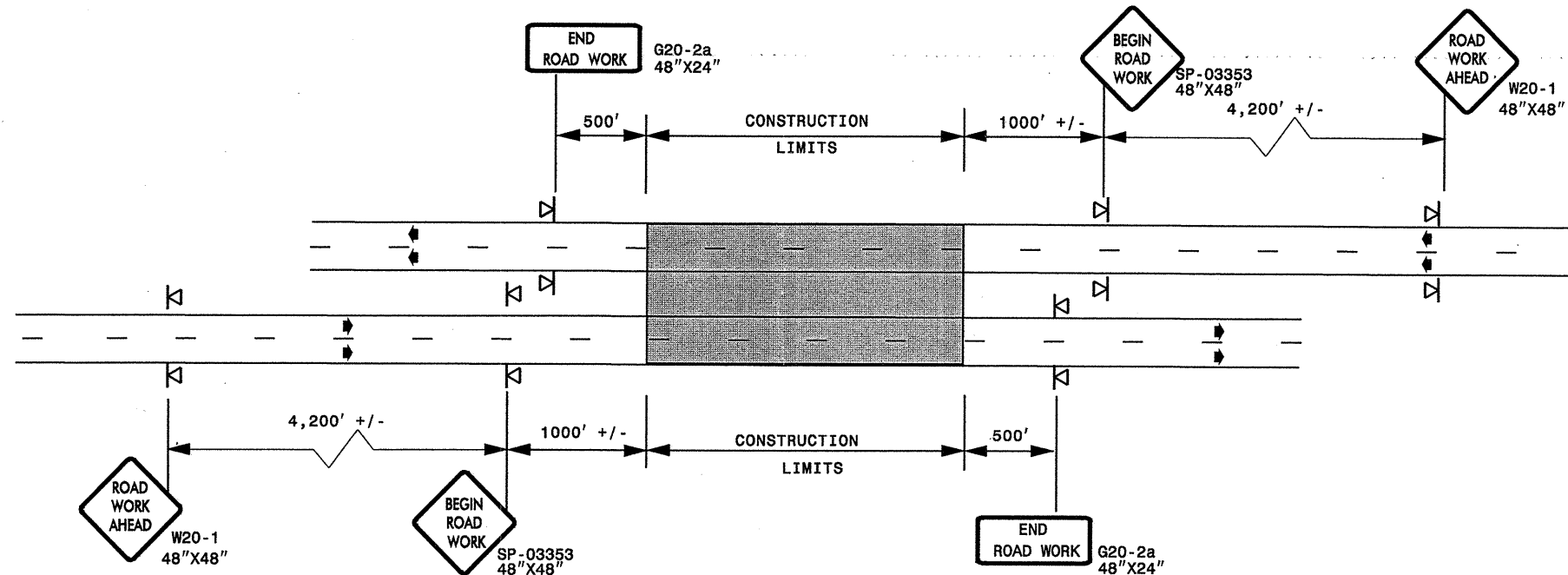
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4400000000-E	4415000000-E	4420000000-N	4430000000-E	4480000000-N	4510000000-N	4688000000-E		4690000000-E	4700000000-E	4710000000-E	4721000000-E		4810000000-E		4905000000-N
					WORK ZONE SIGN (STATION-ARY) SF	FLASHING ARROW PANELS, TYPE C EA	CHANGEABLE MESSAGE SIGN EA	DRUMS EA	TRUCK MOUNTED IMP. ATTEN (60 MPH) EA	POLICE HR	6" X 90 M WHITE THERMO LF	6" X 90 M YELLOW THERMO LF	6" X 120 M YELLOW THERMO LF	12" X 90 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG LANE ENDS 1000 FT FT	THERMO MSG SPEED LIMIT 65 MPH 120 M FT	4" WHITE PAINT LF	4" YELLOW PAINT LF	SNOW PLOWABLE MARKERS EA
38730.3.1	Rowan	1	I-85 SB	I-85 FROM THE CABARRUS COUNTY LINE TO NORTH OF NC 152	128	1	1	150	1	25.00	29,663	29,663	7,592	100		14		37,255	29,663	400
		2	I-85 NB	I-85 FROM THE CABARRUS COUNTY LINE TO NORTH OF NC 152	128	1	1	150	1	25.00	28,866	28,866	7,307	250		30.0		36,173	28,866	400
		3	152 NB RAMP	12 FT SHOULDER RAMP WIDENING							1,167	1,150								
		4	152 SB RAMP	12 FT SHOULDER RAMP WIDENING							1,004	1,017								
TOTAL FOR PROJ NO. 38730.3.1					256	2	2	300	2	50	60,700	60,696	14,899	350	50	14	30	73,428	58,529	800
											121,396					44		131,957		
GRAND TOTAL					256	2	2	300	2	50	60,700	60,696	14,899	350	50	14	30	73,428	58,529	800
											121,396					44		131,957		

PROJECT NO.	SHEET NO.	TOTAL NO.
38730.3.1	9	9

Map No.	Route No.	Route Name	Bridge No.	South Bound	North Bound	Recommended Treatment, From Bridge Maintenance
MAP 1, 2	SR 2664	US29/601 NB	94	15 Ft 9 in	18 Ft 9 in	Mill SB , Do not Mill NB, Pave per Contract
MAP 1, 2	NC 152	NC 152	68	16 Ft 6 in	17 Ft 5 in	Mill SB , Do not Mill NB, Pave per Contract
MAP 1, 2	SR 1337	Lentz Rd.	91	16 Ft 6 in	17 Ft 8 in	Mill SB , Do not Mill NB, Pave per Contract
MAP 1, 2	SR 1232/SR 1339	Pine Ridge Rd.	87	16 Ft 8 in	19 Ft 5 in	Do not Mill, Pave per Contract
MAP 1, 2	SR 1243	Daugherty Rd.	84	16 Ft 5 in	16 Ft 7 in	Mill SB, Mill NB , Pave per Contract
MAP 1, 2	SR 1221	Old Beatty Ford Rd.	65	16 Ft 9 in	17 Ft 0 in	Do not Mill, Pave per Contract
MAP 1, 2	SR 1308	Moose Rd.	32	16 Ft 6 in	20 Ft 0 in	Mill SB , Do not Mill NB, Pave per Contract

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

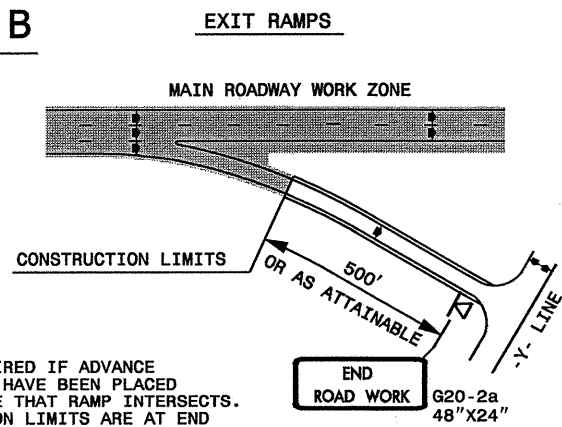
DETAIL A



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

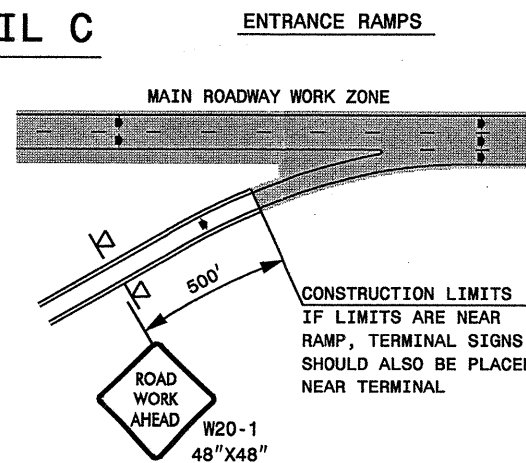
ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

DETAIL B



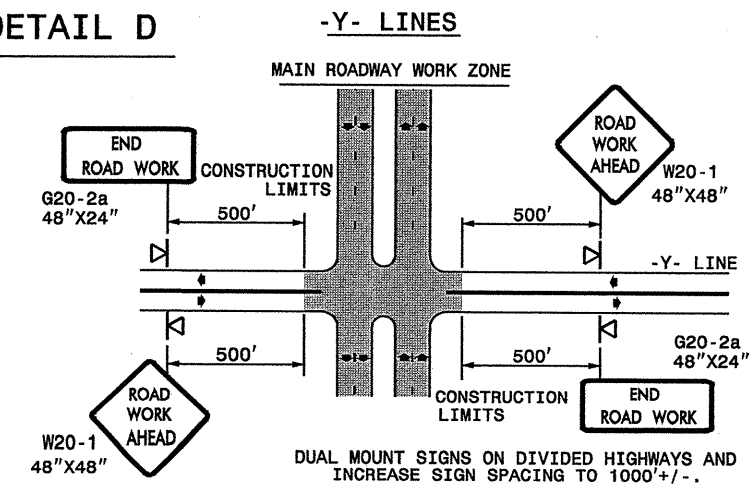
NOTE:
SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



CONSTRUCTION LIMITS IF LIMITS ARE NEAR RAMP, TERMINAL SIGNS SHOULD ALSO BE PLACED NEAR TERMINAL

DETAIL D



DUAL MOUNT SIGNS ON DIVIDED HIGHWAYS AND INCREASE SIGN SPACING TO 1000'+/-.

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 MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

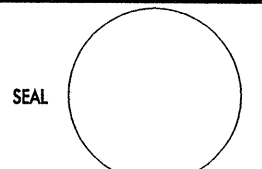

LEGEND

◀ PORTABLE SIGN

➡ DIRECTION OF TRAFFIC FLOW

**DETAIL DRAWING
FOR FREEWAYS
WORK ZONE WARNING SIGNS
(SHORT-DURATION LANE CLOSURES)**

SHEET 1 OF 1

APPROVED: _____	DATE: _____	DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS	
			
SCALE: NONE		REVISIONS	
DATE: _____		7-98	10/01
DWG. BY: _____		10-98	03/04
DESIGN BY: _____		01/01	11/04
REVIEWED BY: _____			

08-MAR-2007 14:10 \\DOT\DFSR00101\GROUPS-WZTCC\design\group4\resurfacing\resurfacing2006\div09\387303\rowan14718_185\387303\freeway4lanesgreat July2006.dgn pseymore AT WZTCC206421