

STATE OF VERMONT
AGENCY OF TRANSPORTATION



CONTRACT PLANS

THESE PLANS DO NOT REFLECT CHANGES MADE
ON THE PROJECT AS "RECORD PLANS" WOULD.

PROPOSED IMPROVEMENT
RESURFACING PROJECTS

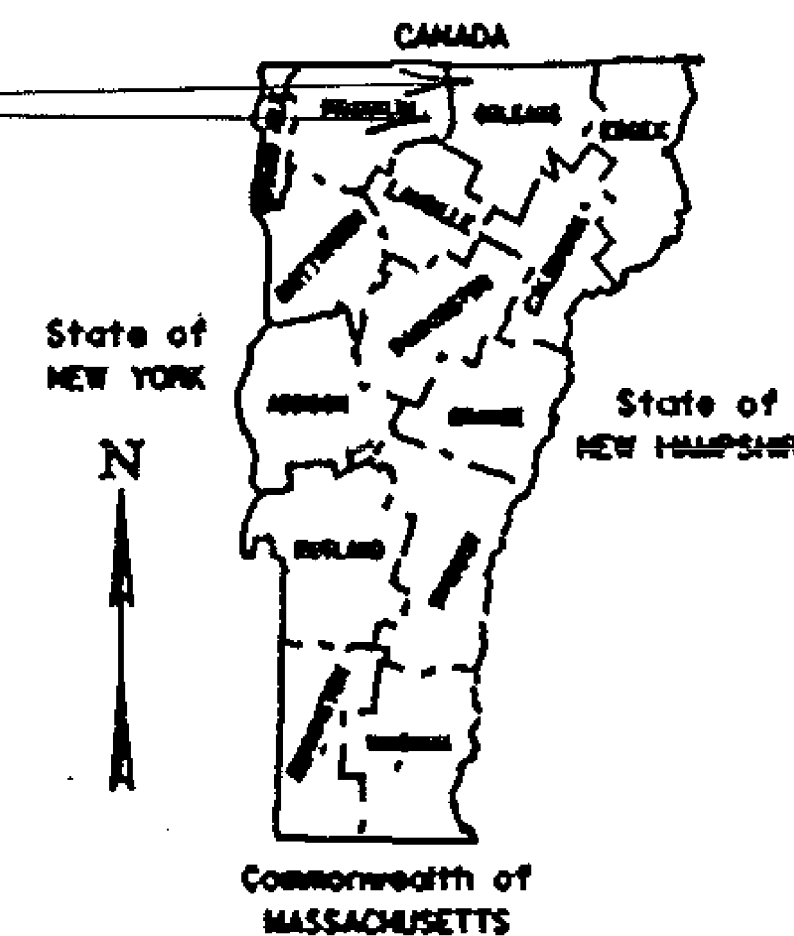
TOWN OF MONTGOMERY, BERKSHIRE, TROY

COUNTY OF FRANKLIN, ORLEANS

ROUTE NO. VT 118, VT 105

ROUTE CLASS F.A.S., F.A.P.

PROJECT
AREA



FOR DESCRIPTIONS AND
LOCATIONS, SEE INDIVIDUAL
PROJECT SHEETS

Date SEP 18 1987

PIKE INDUSTRIES Inc.
Contractor

Roger D. Meets
Signature

VICE PRESIDENT
Title

David B. Kelly
Transportation Secretary's Signature
ACTING

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING
CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY
ADMINISTRATION OR THE CHIEF ENGINEER.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS
FOR CONSTRUCTION DATED 1986, AS APPROVED BY THE
FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1985
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT
REVISIONS AND SUCH REVISED SPECIFICATIONS AND
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE
PLANS.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED David B. Kelly DATE 8/4/87
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT NO.

SHEET 1 OF 26 SHEETS

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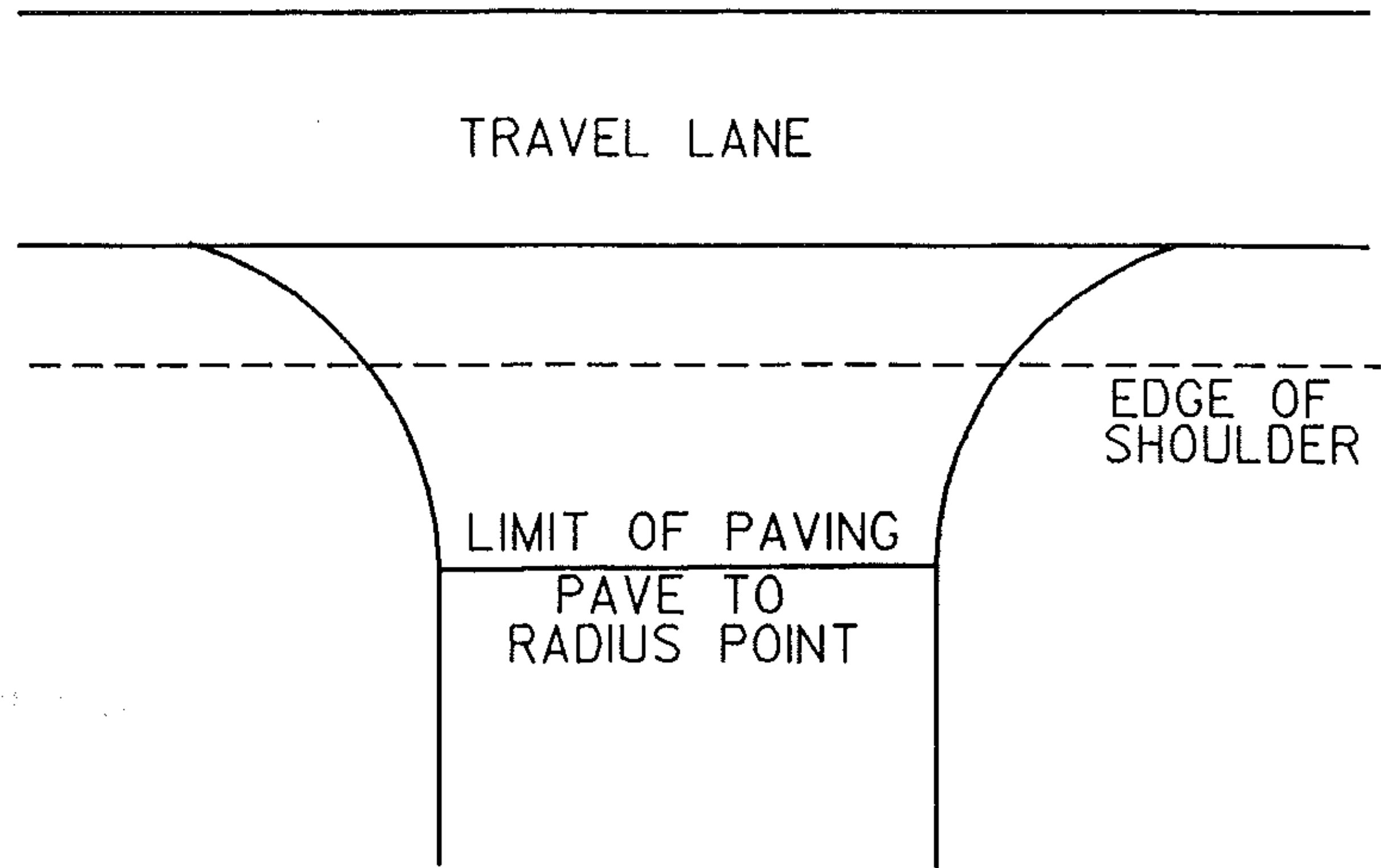
PROJECT PAVING

NO. _____

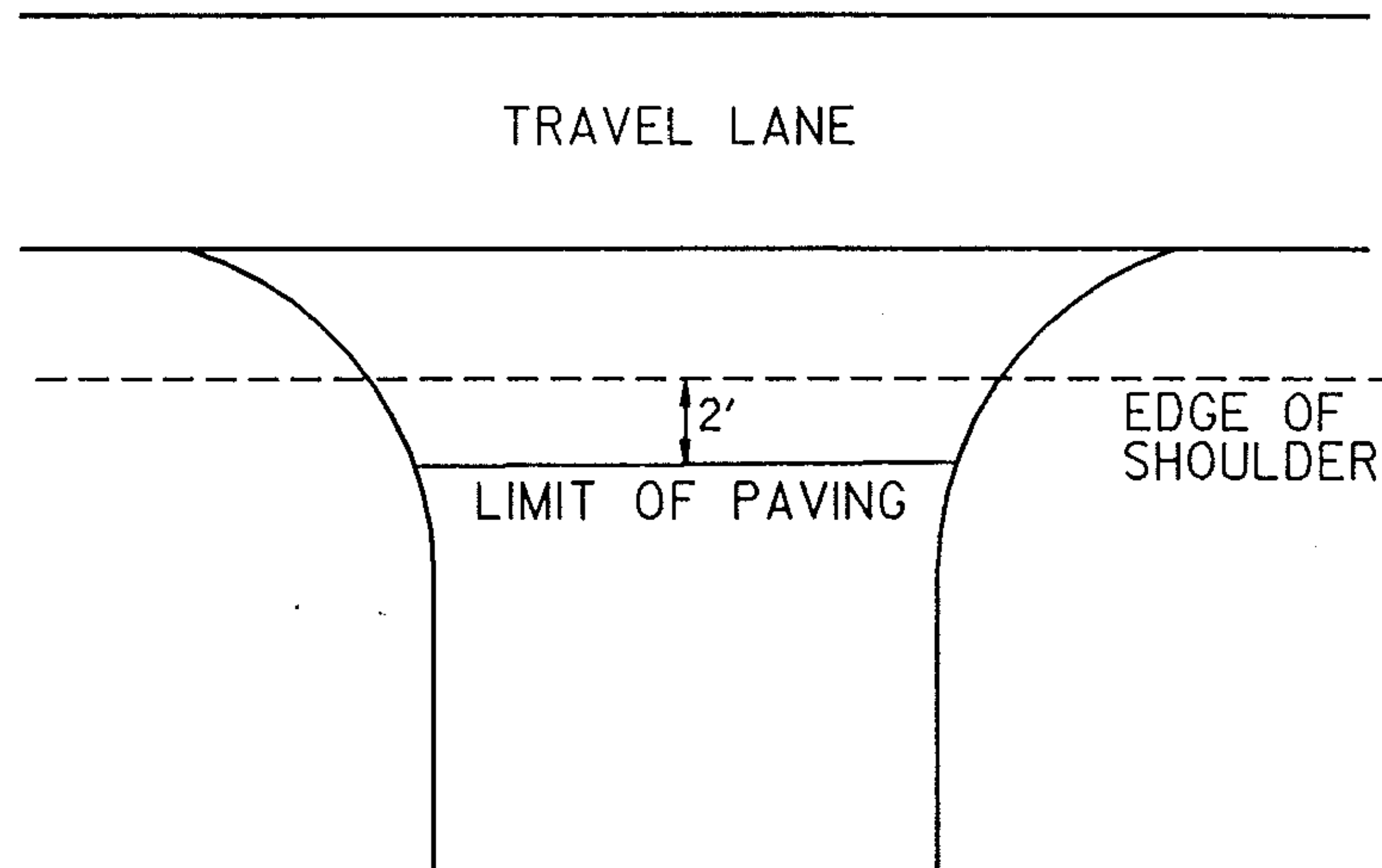
SHEET 2 OF 26 SHEETS

PAVING LIMITS FOR TOWN ROADS & DRIVES

PAVING LIMITS FOR TOWN ROADS



PAVING LIMITS FOR DRIVES



PROJECT PAVING

NO. _____

SHEET 3 OF 26 SHEETS

GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS
IN CONSTRUCTION ZONES

- A. CENTERLINE AND GORE AREA MARKINGS SHALL BE APPLIED AT THE END OF EACH WORKING DAY. THE FOLLOWING LAYOUT REQUIREMENTS SHALL BE MET:

NO PASSING BARRIER
SOLID STRIPES.

DASHED LINE
10-FOOT SOLID LINE WITH 30-FOOT GAP.

GORE AREA
(GORE AREAS TO INCLUDE 8' CHANNELIZING LINE AND DASHED LINE)
PER STANDARD SHEET E-50

- B. EDGE LINES

WHEN SPECIFIED, EDGE LINES ARE NOT REQUIRED UNTIL COMPLETION OF THE PROJECT. ON INTERSTATE PROJECTS, TEMPORARY EDGE LINES SHOULD BE APPLIED WHERE TRAFFIC VOLUMES AND SPEEDS ARE HIGH AND DELAY OF SEVERAL DAYS IS ANTICIPATED.

- C. TEMPORARY MARKINGS MAY CONSIST OF PAINT, TAPE OR RAISED PAVEMENT MARKERS (RPM'S). THE TAPE SHALL BE A RETRO-REFLECTIVE FILM ON A CONFORMABLE METALLIC BACKING THAT CAN BE PAVED OVER. TAPE MAY BE USED ON THE FINAL SURFACE COURSE IF IT WILL NOT INTERFERE WITH THE FINAL MARKING APPLICATION. TEMPORARY TAPE MARKINGS WILL BE OFFSET AND REMOVED WHEN PROJECT IS FINISHED AND FINAL CENTERLINE PAINTED. THE TAPE SHALL BE THE TYPE THAT IS REMOVABLE INTACT AND NOT SEPERATE AT ANY TIME. THE RPM'S SHALL HAVE A SELF-ADHESIVE BACKING EASILY REMOVED BEFORE PAVING AND SHALL CONFORM TO THE FOLLOWING LAYOUT PATTERN:

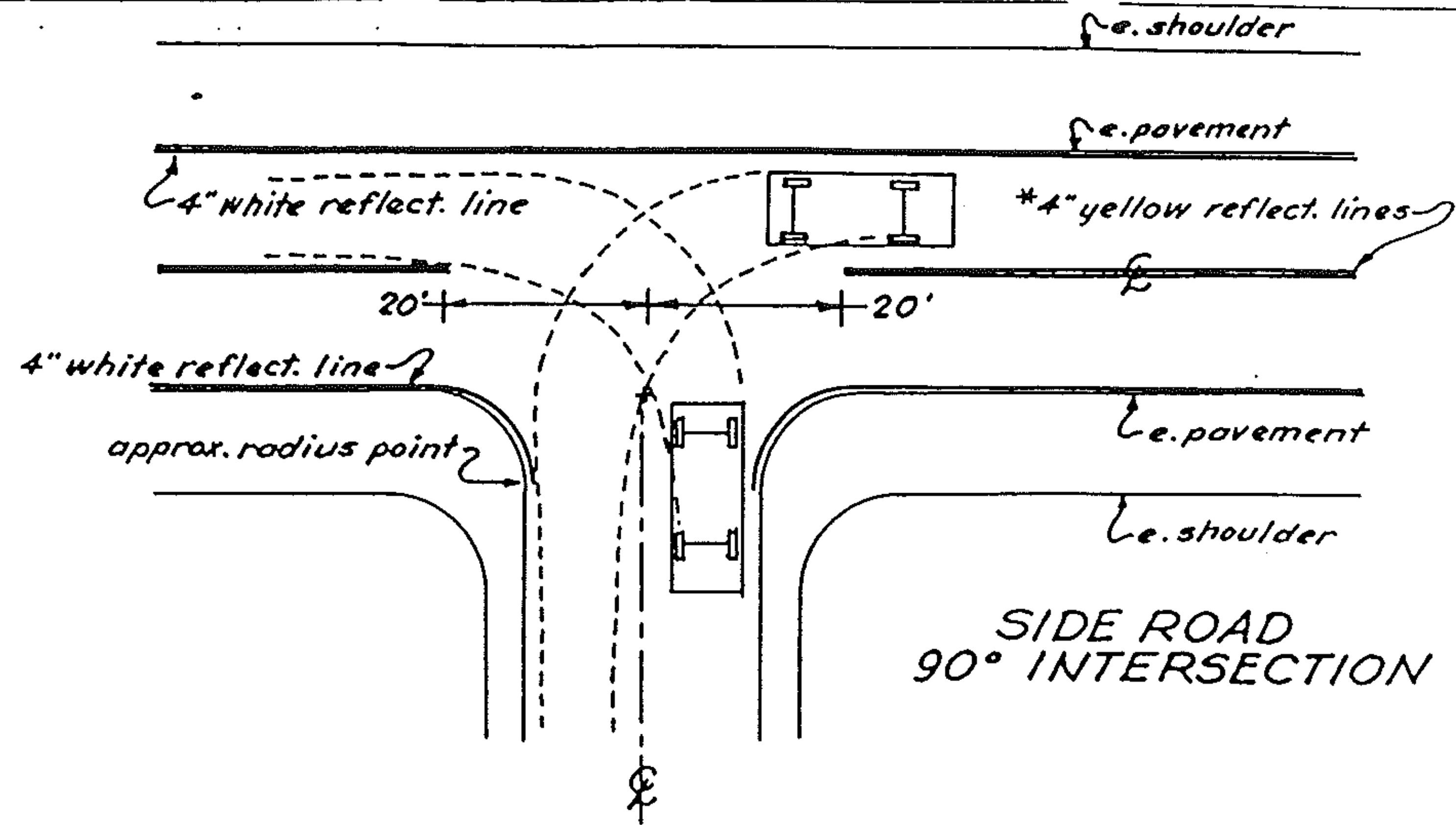
NO PASSING BARRIER
NO RPM'S ALLOWED.

DASHED LINE
FOUR RETRO-REFLECTIVE RPM'S ON 3 1/2 FOOT CENTERS WITH A 30' GAP.

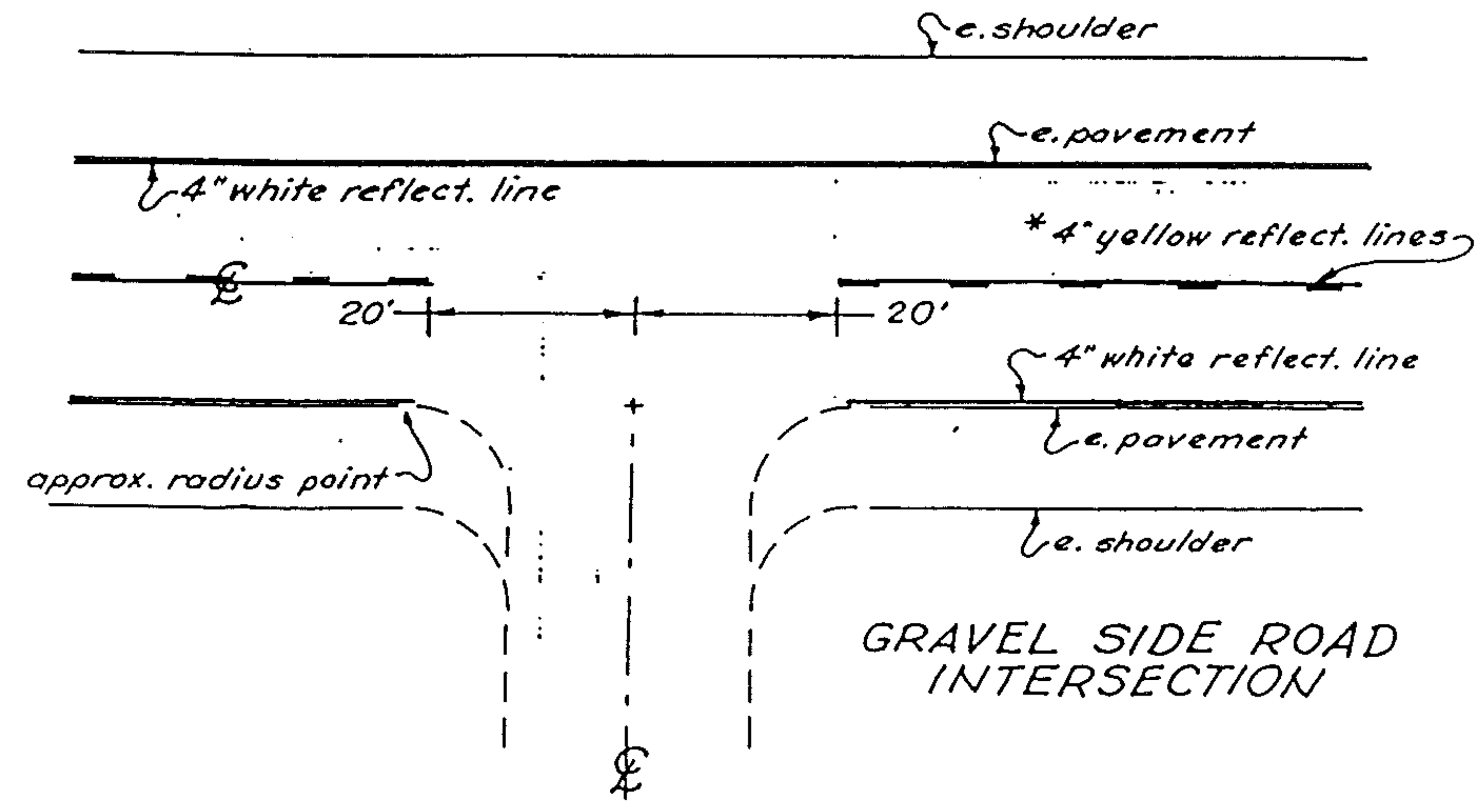
SOLID LINE - EDGE LINES
INTERSTATE MEDIAN SIDE-RETRO-REFLECTIVE RPM'S ON 4 TO 5 FOOT CENTER.
DRIVERS RIGHT SIDE-RPM'S NOT ALLOWED.

- D. WHEN PAINT IS USED FOR TEMPORARY MARKING, AN ALTERNATE MATERIAL SUCH AS TAPE OR RPM'S SHALL BE ON HAND IN THE EVENT RAIN PREVENTS THE PAINT APPLICATION FROM BEING COMPLETED. ALL PAINT SHALL BE REFLECTORIZED.
- E. PAYMENT FOR PAINT AND TAPE SHALL BE COMPUTED ON A LINEAR FOOT BASIS AS IF PAINT WAS USED. PAYMENT FOR THE RPM'S SHALL BE COMPUTED AS IF AN EQUIVALENT PAINT LINE WAS USED. (FOR EXAMPLE, DASHED LINE PAID AS 10 FEET OF PAINT, SOLID LINE PAID AS THE TOTAL DISTANCE COVERED WITH THE MARKERS).
- F. PRIOR TO ACCEPTANCE, THE PAVEMENT MARKINGS SHALL BE COMPLETED FOR THE ENTIRE PROJECT BY THE CONTRACTOR AS DETAILED ON THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.

REVISED
02/11/85



* Centerline treatment shall consist of a minimum of 400 feet of solid line in advance of the intersection and shall be paired with either a solid or dashed line depending on sight distance availability in the opposing lane.



STATE OF VERMONT
 AGENCY OF TRANSPORTATION



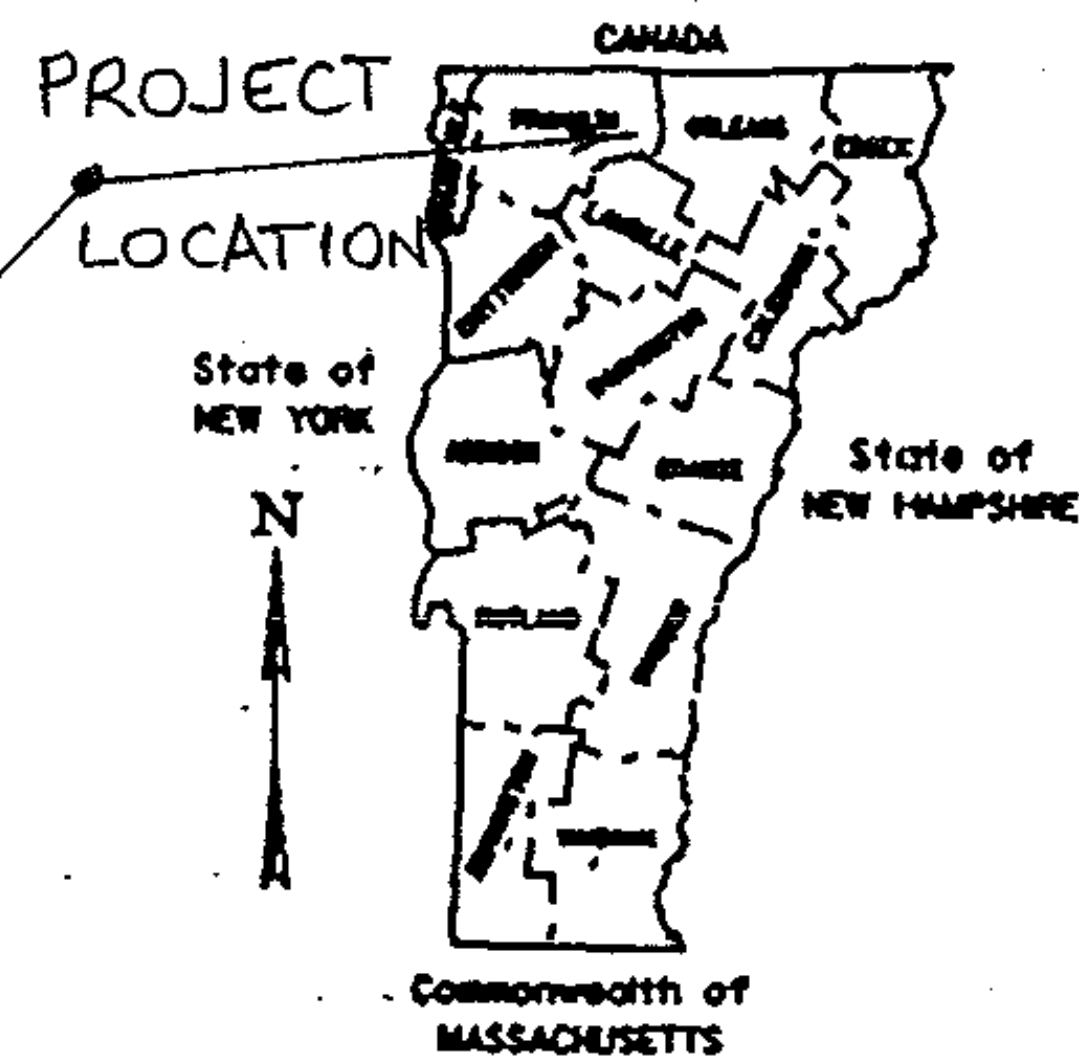
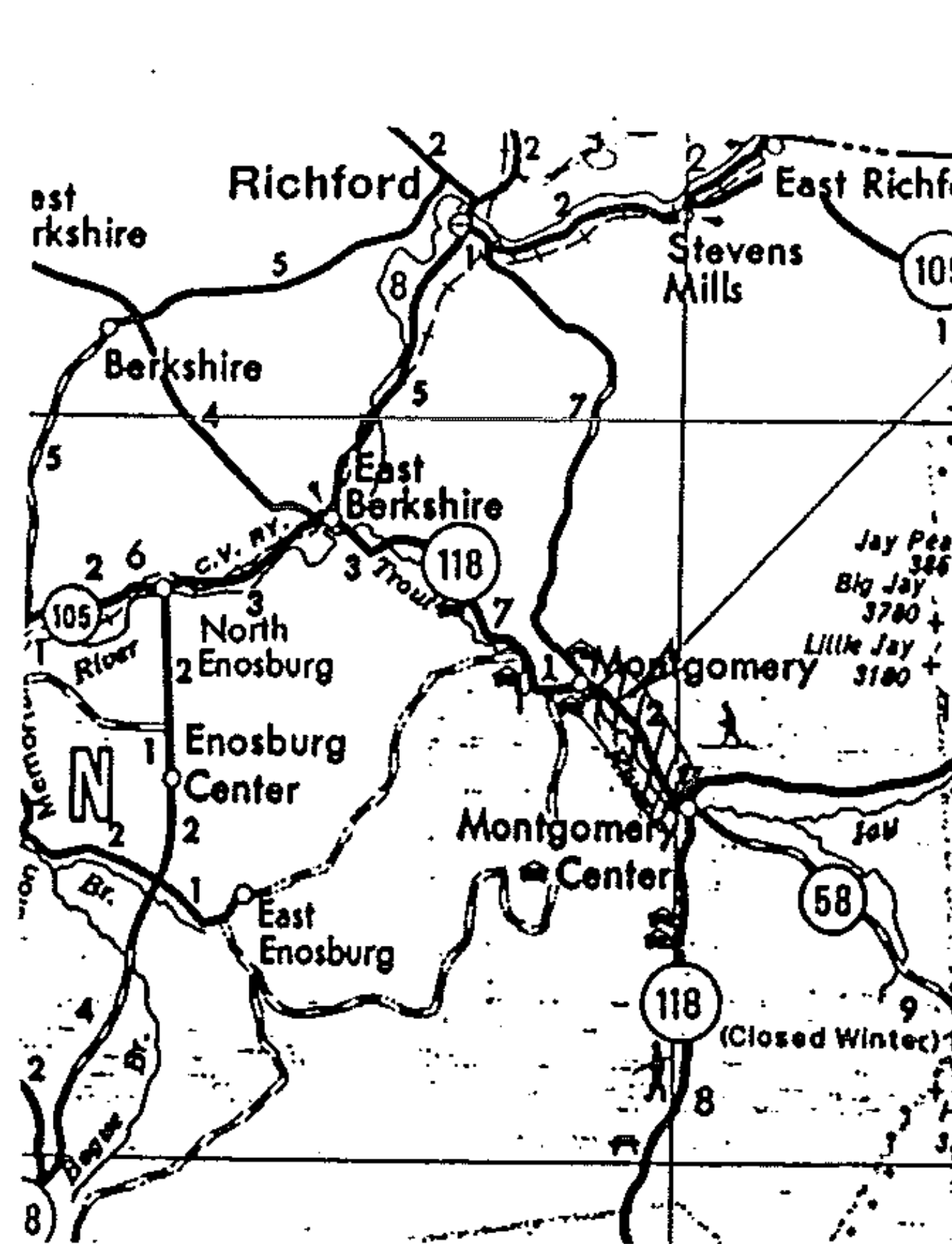
PROPOSED IMPROVEMENT
 RESURFACING PROJECT

TOWN OF MONTGOMERY

COUNTY OF FRANKLIN

ROUTE NO. VT 118

ROUTE CLASS F.A.S.



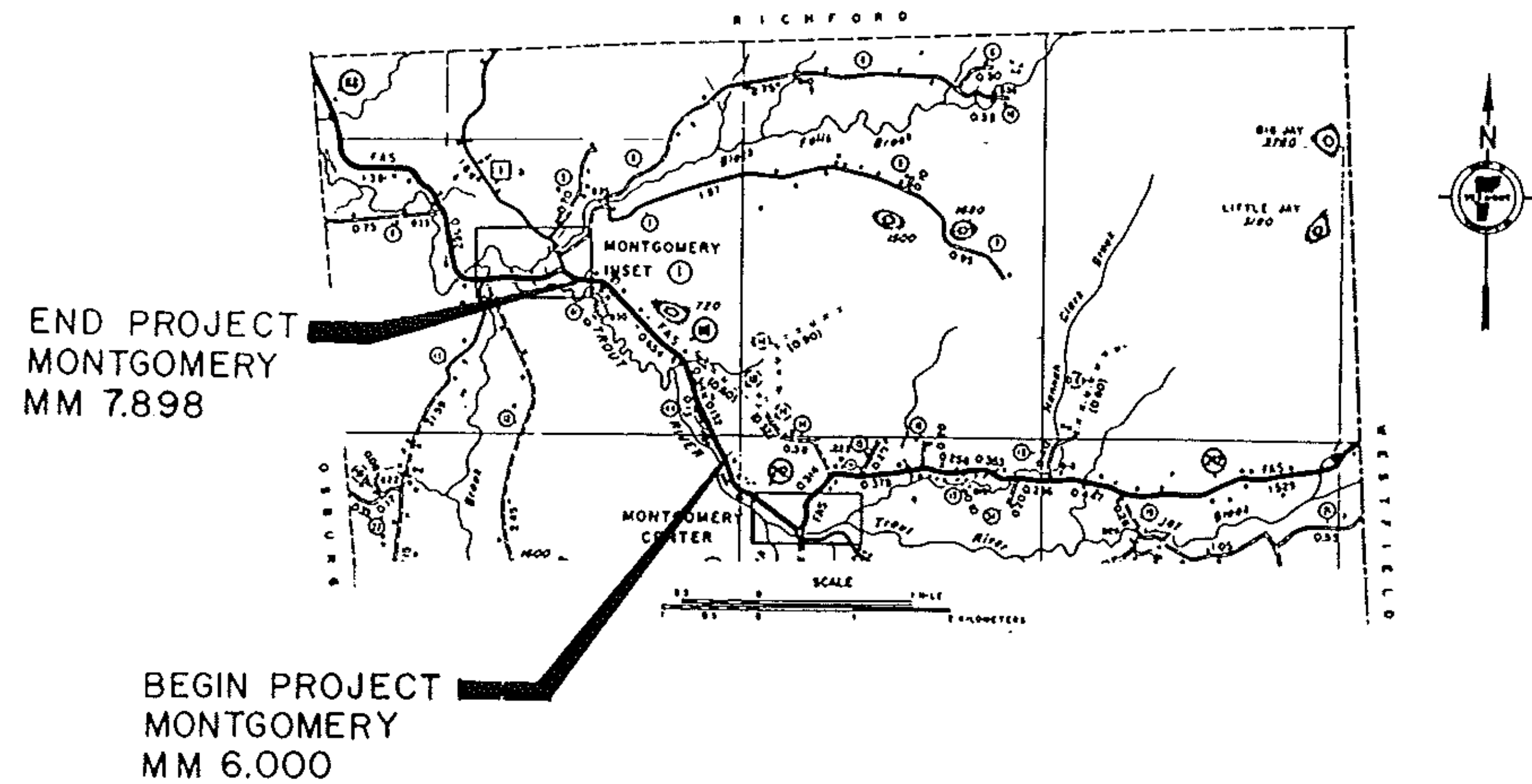
THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1966, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1965 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD
 APPROVED David B. Kelley DATE 8/4/87
 CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 APPROVED _____ DATE _____
 DIVISION ADMINISTRATOR

PROJECT NO. _____
 SHEET 7 OF 26 SHEETS

PROJECT DESCRIPTION AND LOCATION



PROJECT LOCATION

BEGINNING IN THE TOWN OF MONTGOMERY AT MM 6.000 AND EXTENDING NORTHWESTERLY ALONG VT 118 FOR 1.898 MILES TO MM 7.898

PROJECT LENGTH

1.898 MILES (10,021 FEET)

PROJECT DESCRIPTION

RESURFACE WITH A LEVELING COURSE AND 1/4" BITUMINOUS OVERLAY, PROVIDE PAVED SHOULDERS AND NEW PAVEMENT MARKINGS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

TRAFFIC DATA

AADT 1230
V 30-50 MPH VARIABLE

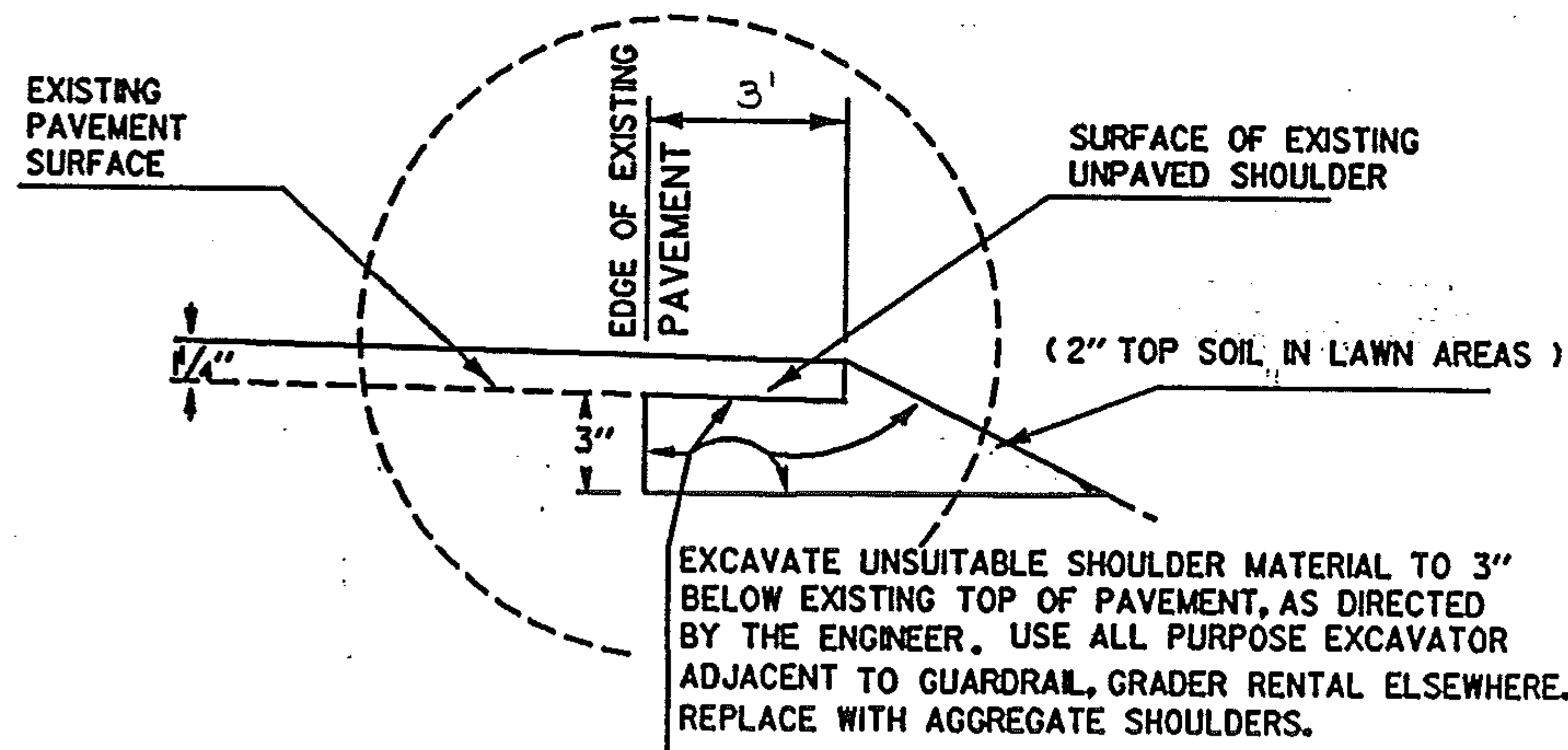
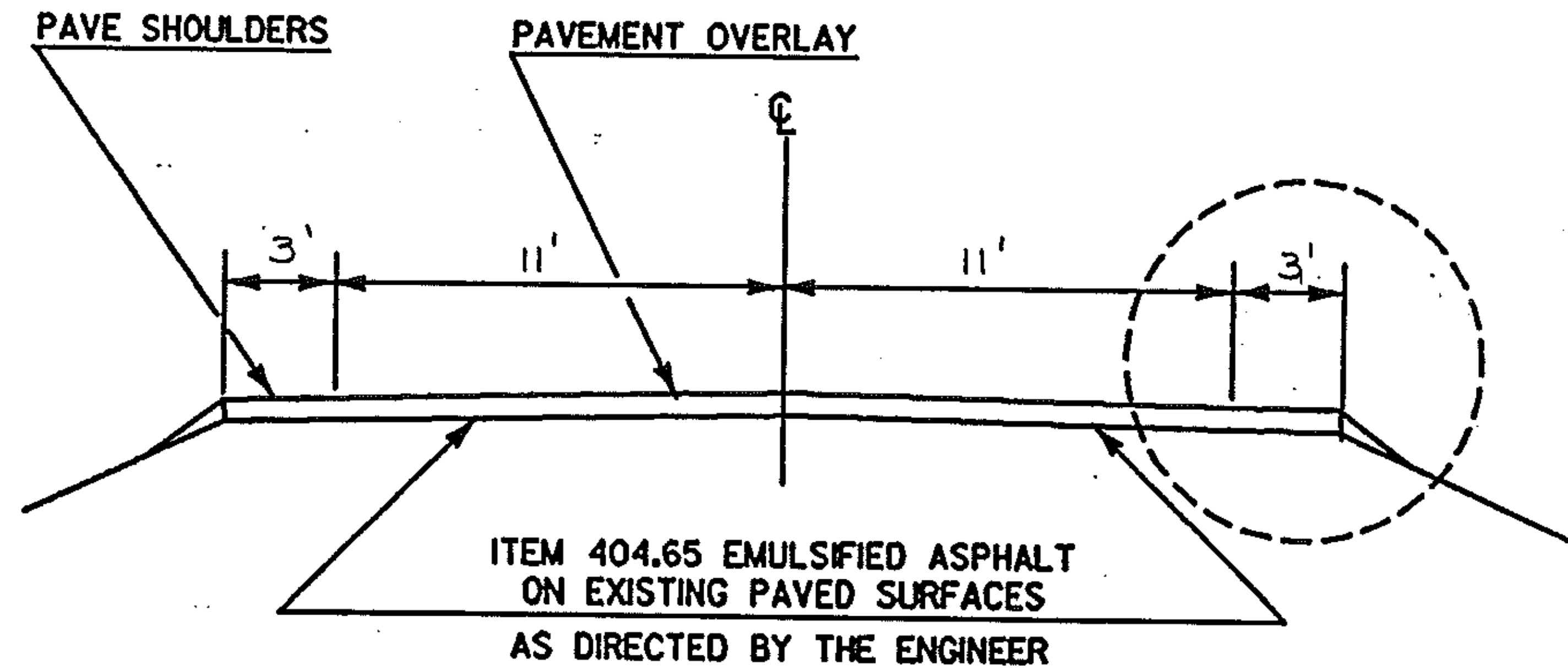
PROJECT MONTGOMERY

NO. HMA 2862

SHEET 8 OF 26 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2''$)
 LEVELING COURSE TYPE IV (250 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4''$)
 AS DIRECTED BY THE ENGINEER



PROJECT MONTGOMERY

NO. HMA 2862

SHEET 9 OF 26 SHEETS

TEMPORARY 4" YELLOW LINE

MILE	MILE	LT	RT	☒	QUANTITY LT	QUANTITY ☒	QUANTITY RT	TOTALS FEET
6.000	6.73	Solid	Solid		3854		3854	7708
6.73	6.89	Broken	Solid		211		845	1056
6.89	7.13	Solid	Solid		1267		1267	2534
7.13	7.22	Solid	Broken		475		119	594
7.22	7.27			Broken		66		66
7.27	7.41	Broken	Solid		185		739	924
7.41	7.43	Solid	Solid		106		106	212
7.43	7.60	Solid	Broken		898		225	1123
7.60	7.898	Solid	Solid		1573		1573	3146
								17363
		Assume	50% lost during leveling					
			$17363 \times 0.5 =$					8682
								26045
		4 town roads @ 40' each:	4x40'x2					- 320
								25725
					Use			<u>25750 LF</u>

TEMPORARY 4" WHITE LINE

6.000	7.898	Solid	Solid		10021		10021	20042
		Assume	no losses, but deduct for intersection with 4 gravel roads,					
		total of	110'					- 110
								19932
					Use			<u>19950 LF</u>

STATE OF VERMONT
 AGENCY OF TRANSPORTATION



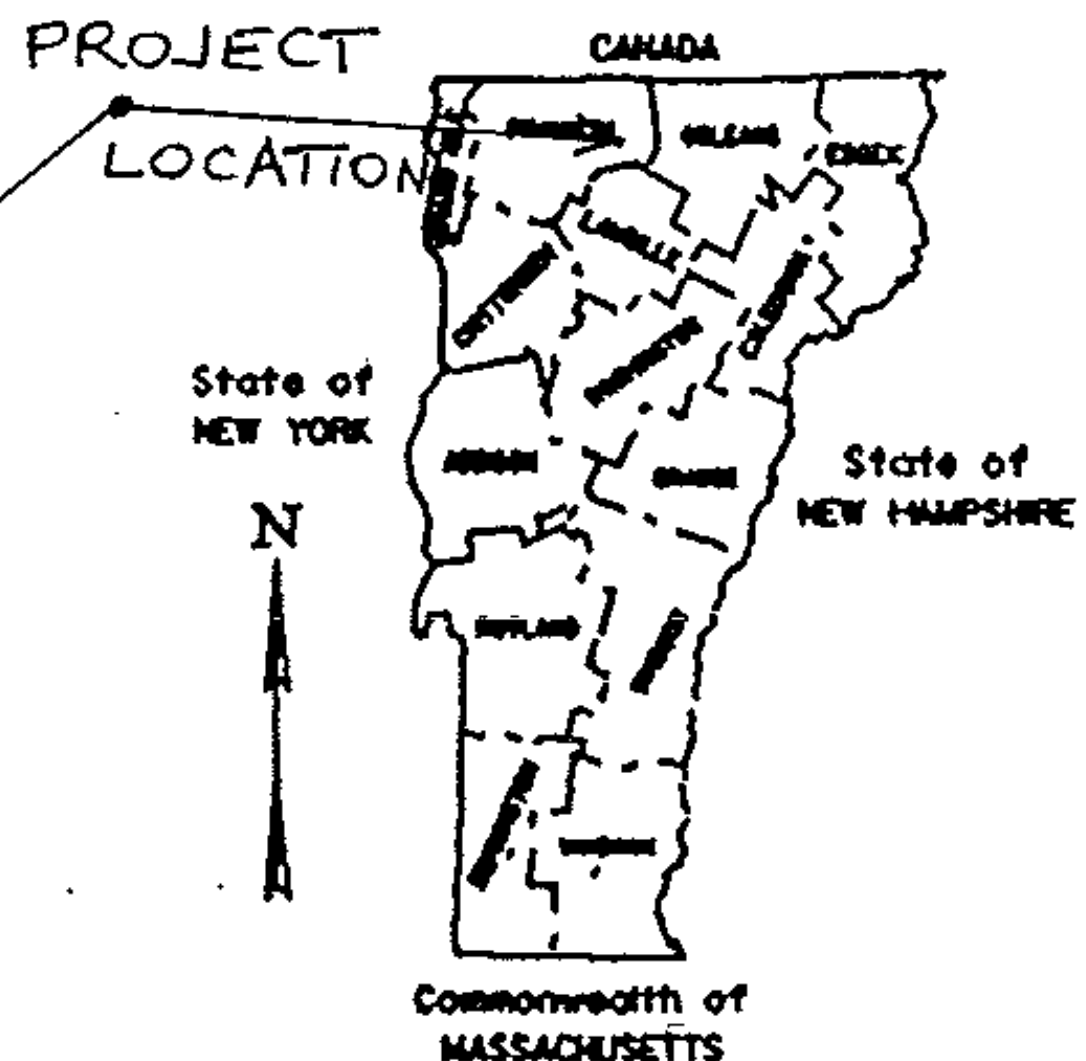
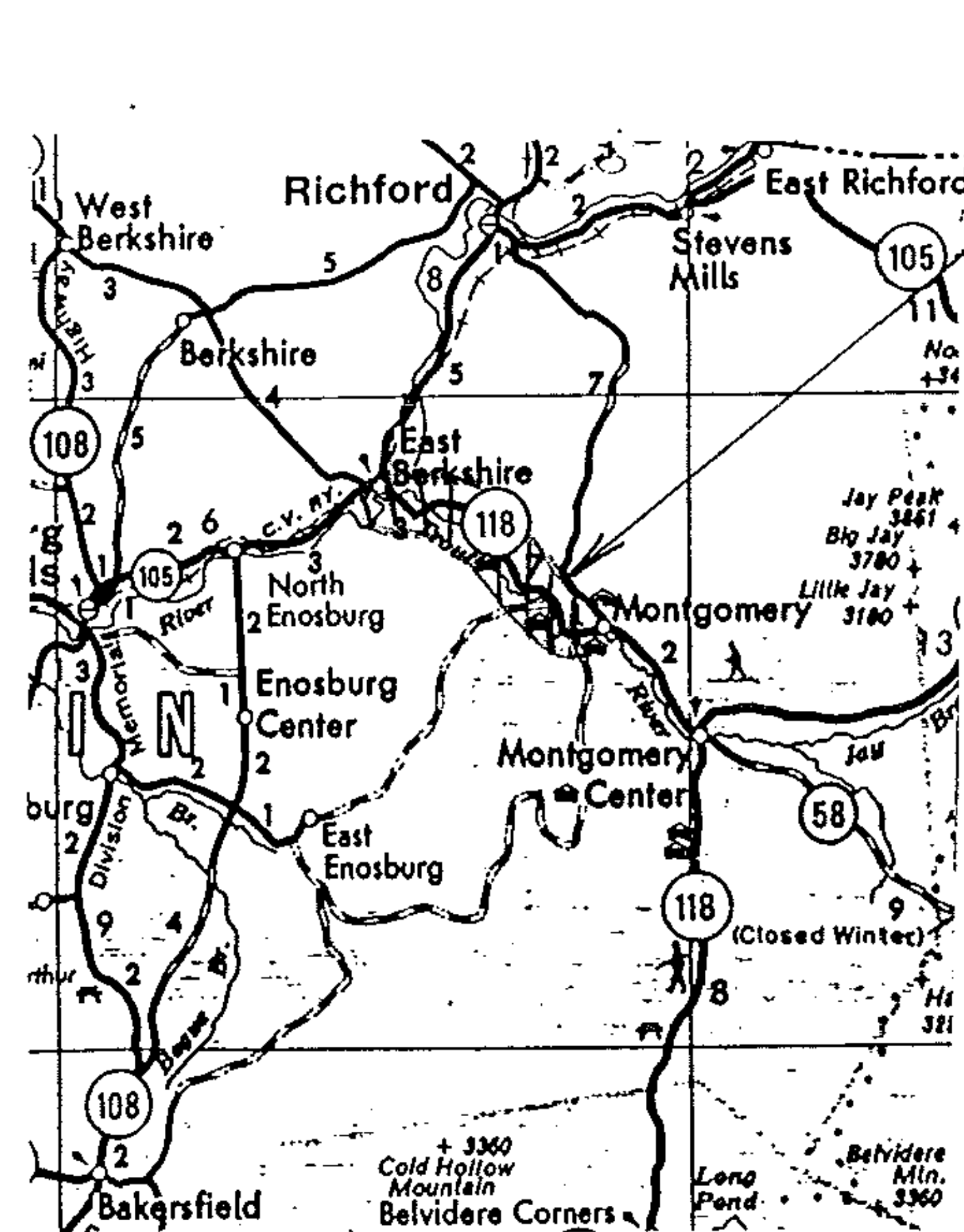
PROPOSED IMPROVEMENT
 RESURFACING PROJECT

TOWN OF MONTGOMERY-BERKSHIRE

COUNTY OF FRANKLIN

ROUTE NO. VT 118

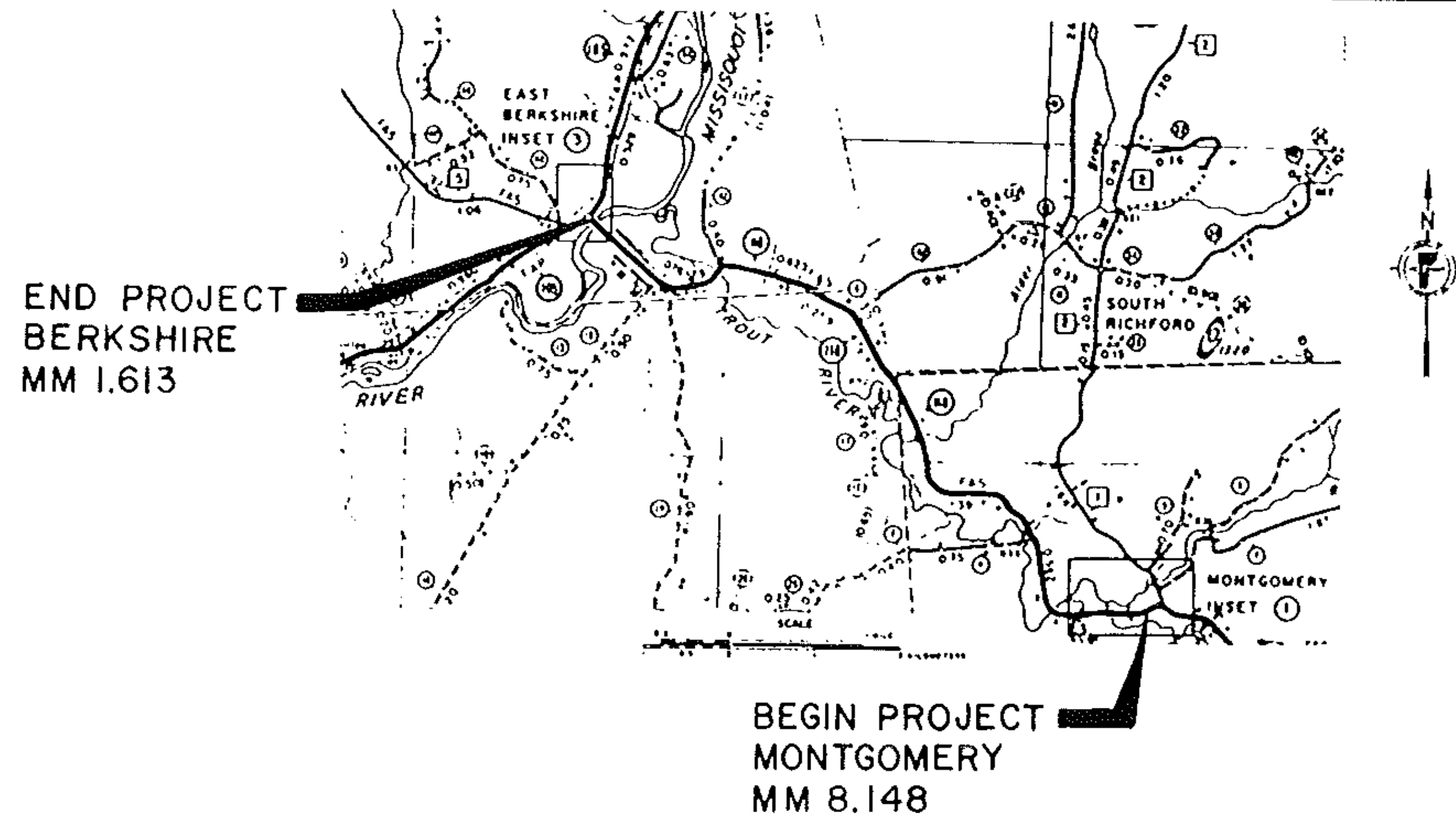
ROUTE CLASS F.A.S.



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1966, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1965 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED <u>David B. Kelley</u> CHIEF ENGINEER	DATE <u>8/4/87</u>
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____ DIVISION ADMINISTRATOR	DATE _____
PROJECT NO. _____	
SHEET 12 OF 26 SHEETS	

PROJECT DESCRIPTION AND LOCATION



PROJECT LOCATION

BEGINNING IN THE TOWN OF MONTGOMERY AT MM 8.148 AND EXTENDING NORTHWESTERLY ALONG VT 118 FOR 4.714 MILES TO MM 1.613 IN THE TOWN OF BERKSHIRE AT THE INTERSECTION WITH VT 105.

PROJECT LENGTH

4.714 MILES (24,890 FEET)

PROJECT DESCRIPTION

RESURFACE WITH A LEVELING COURSE AND $1\frac{1}{4}$ " BITUMINOUS OVERLAY, PROVIDE PAVED SHOULDERS AND NEW PAVEMENT MARKINGS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

TRAFFIC DATA

AADT 1190
V 50MPH

NOTE

DO NOT PAVE THE FOLLOWING BRIDGES : NOS. 19, 20, 21, 26 & 30

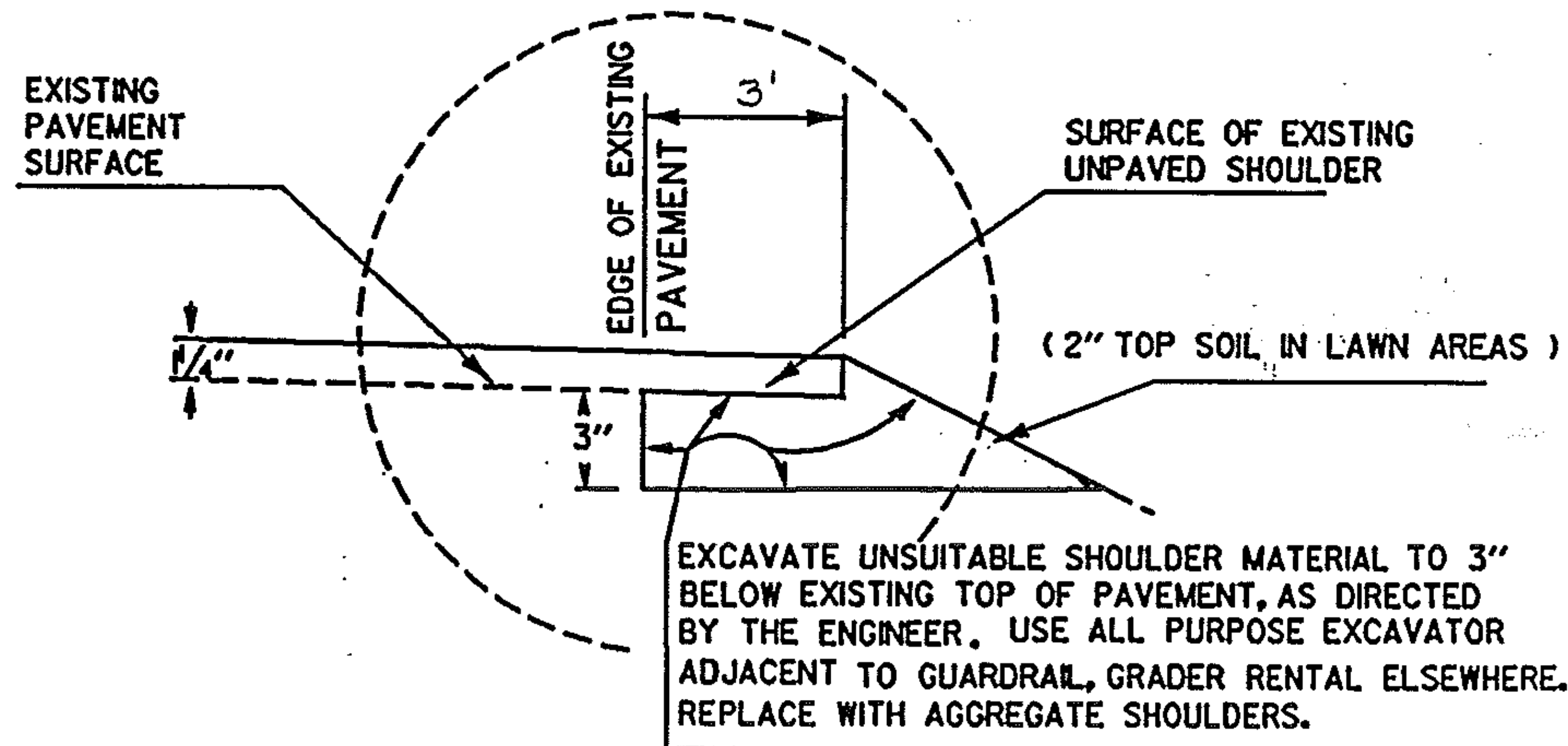
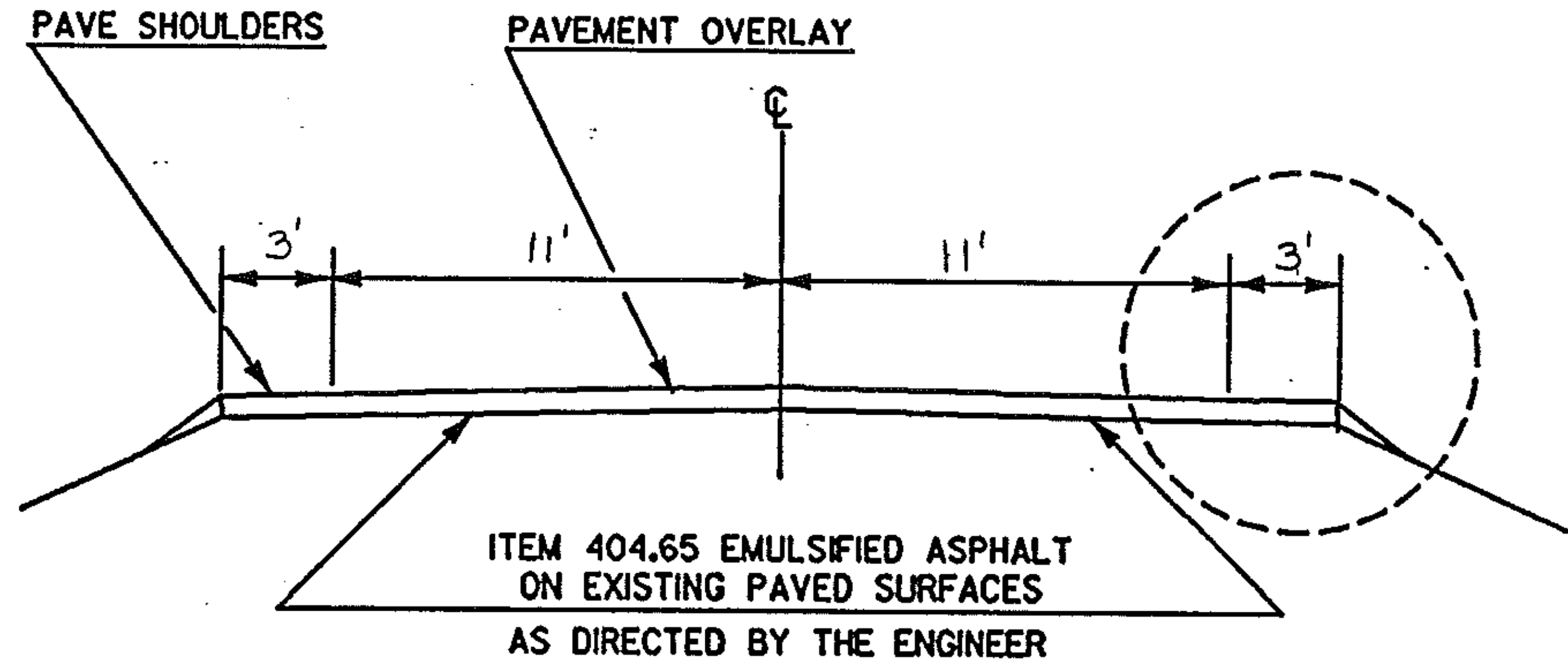
PROJECT MONTGOMERY - BERKSHIRE

NO. HMA 2863

SHEET 13 OF 26 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2''$)
 LEVELING COURSE TYPE IV (250 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4''$)
 AS DIRECTED BY THE ENGINEER



PROJECT MONTGOMERY - BERKSHIRE

NO. HMA 2863

SHEET 14 OF 26 SHEETS

TEMPORARY 4" YELLOW LINE

MILE	MILE	LT	RT	☒	QUANTITY LT	QUANTITY ☒	QUANTITY RT	TOTALS FEET	
8.148	8.89	Solid	Solid		3918		3918	7836	
8.89	9.01	Broken	Solid		159		634	793	
9.01	10.16	Solid	Solid		6072		6072	12144	
10.16	10.27	Solid	Broken		581		145	726	
10.27	10.40			Broken		172		172	
10.40	10.498	Broken	Solid		129		517	646	
0.00	0.13	Solid	Solid		686		686	1372	
0.13	0.23	Solid	Broken		528		132		
0.23	0.31			Broken		106		106	
0.31	0.45	Broken	Solid		185		739	924	
0.45	0.75	Solid	Solid		1584		1584	3168	
0.00	1.613	Solid	Solid		8517		8517	17034	
								44921	
		assume 50% lost during leveling							
					44921 x 0.5 =			22461	
								67382	
		10 town roads @ 40' each: 10 x 40' x 2							- 800
								66582	
								Use	
								<u>66600</u>	

TEMPORARY 4" WHITE LINE

8.148	10.498	Solid	Solid		12408		12408	24816	
0.00	0.75	Solid	Solid		3960		3960	7920	
0.00	1.613	Solid	Solid		8517		8517	17034	
								49770	
		assume no losses, but deduct for intersection							- 310
		with 6 gravel roads, total of 310'							<u>49460</u>

STATE OF VERMONT
 AGENCY OF TRANSPORTATION



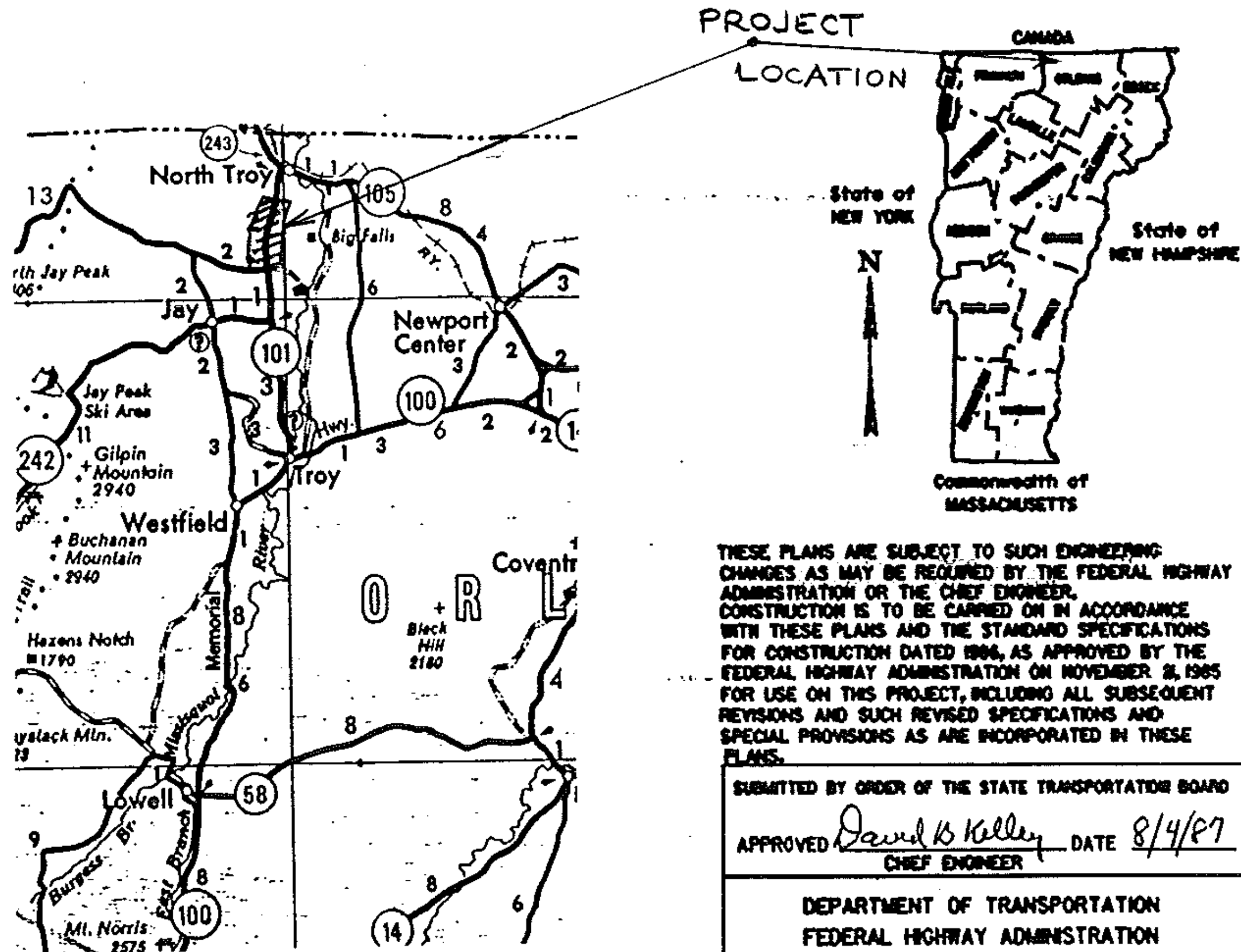
PROPOSED IMPROVEMENT
 RESURFACING PROJECT

TOWN OF TROY

COUNTY OF ORLEANS

ROUTE NO. VT 105

ROUTE CLASS F.A.P.



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1966, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1965 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

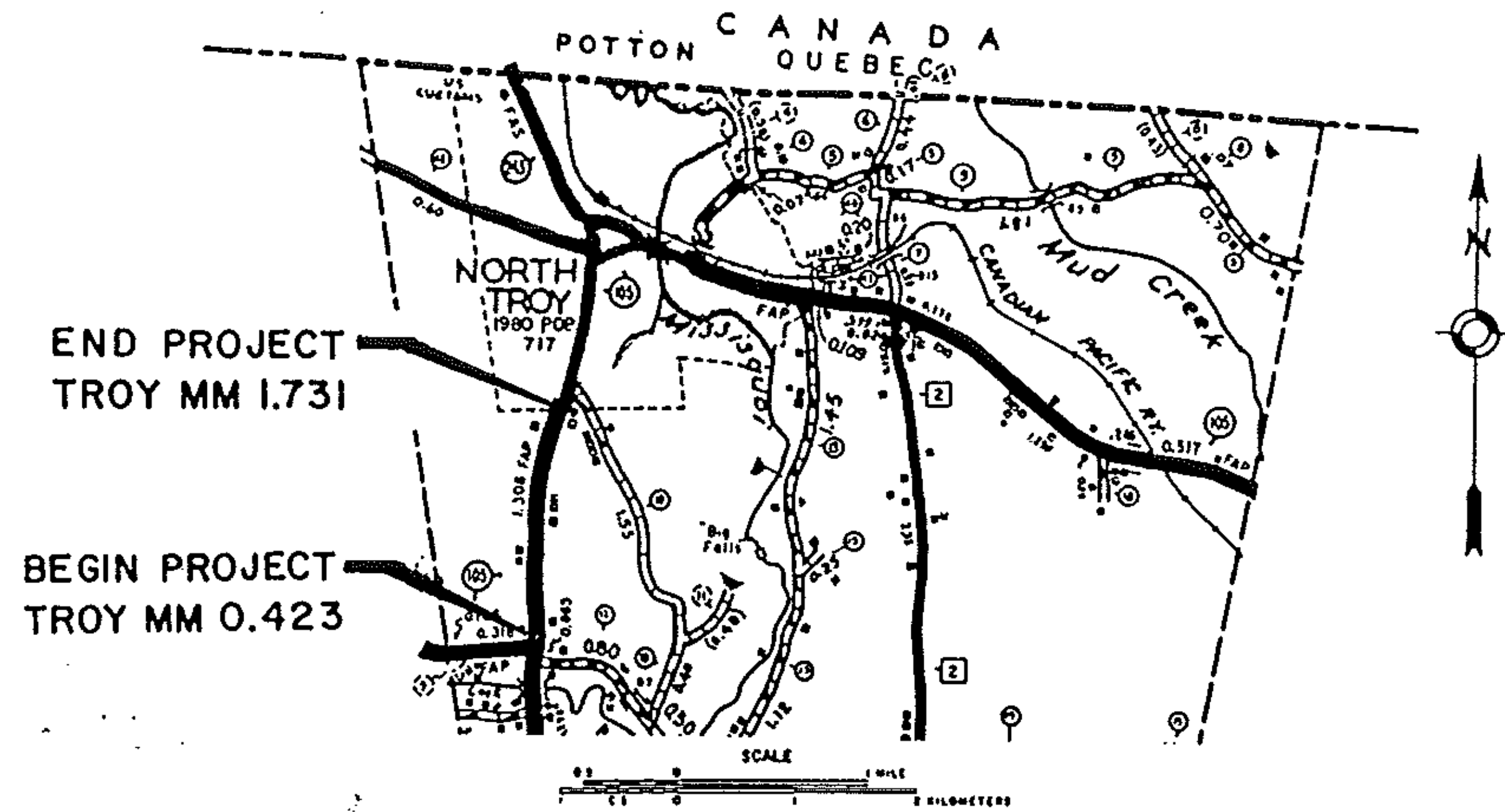
APPROVED David W. Kelley DATE 8/4/67
 CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
 DIVISION ADMINISTRATOR

PROJECT NO.

PROJECT DESCRIPTION AND LOCATION



PROJECT LOCATION

BEGINNING IN THE TOWN OF TROY AT MM 0.423, THE INTERSECTION OF VT 105 AND VT 101, AND EXTENDING NORTHERLY ALONG VT 105 FOR 1,308 MILES TO MM 1.731 AT THE NORTH TROY VILLAGE LINE.

PROJECT LENGTH

1,308 MILES (6,906 FEET)

PROJECT DESCRIPTION

RESURFACE WITH A LEVELING COURSE AND 1 1/4" BITUMINOUS OVERLAY, PROVIDE PAVED SHOULDERS AND NEW PAVEMENT MARKINGS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

TRAFFIC DATA

AADT 1160
V 50 MPH

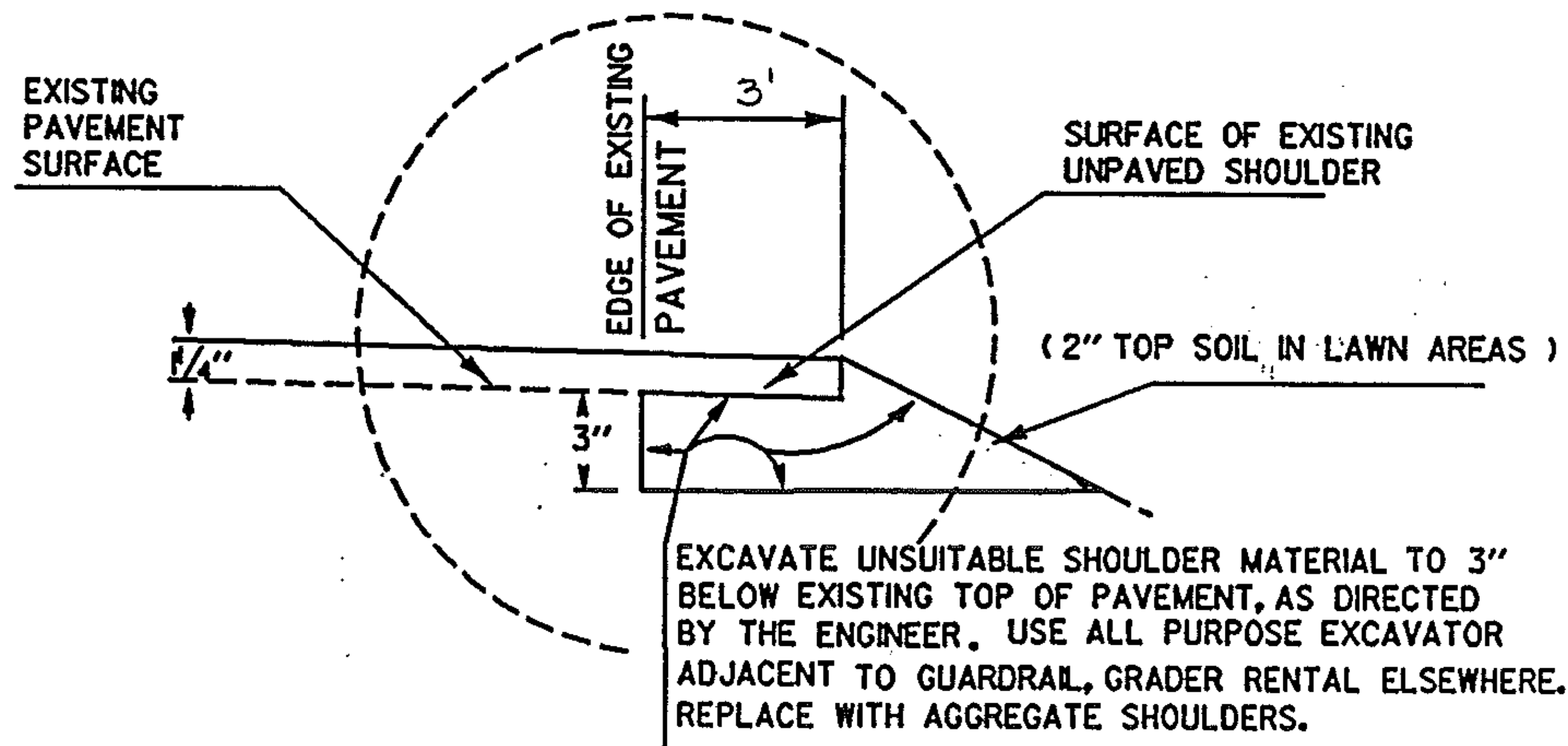
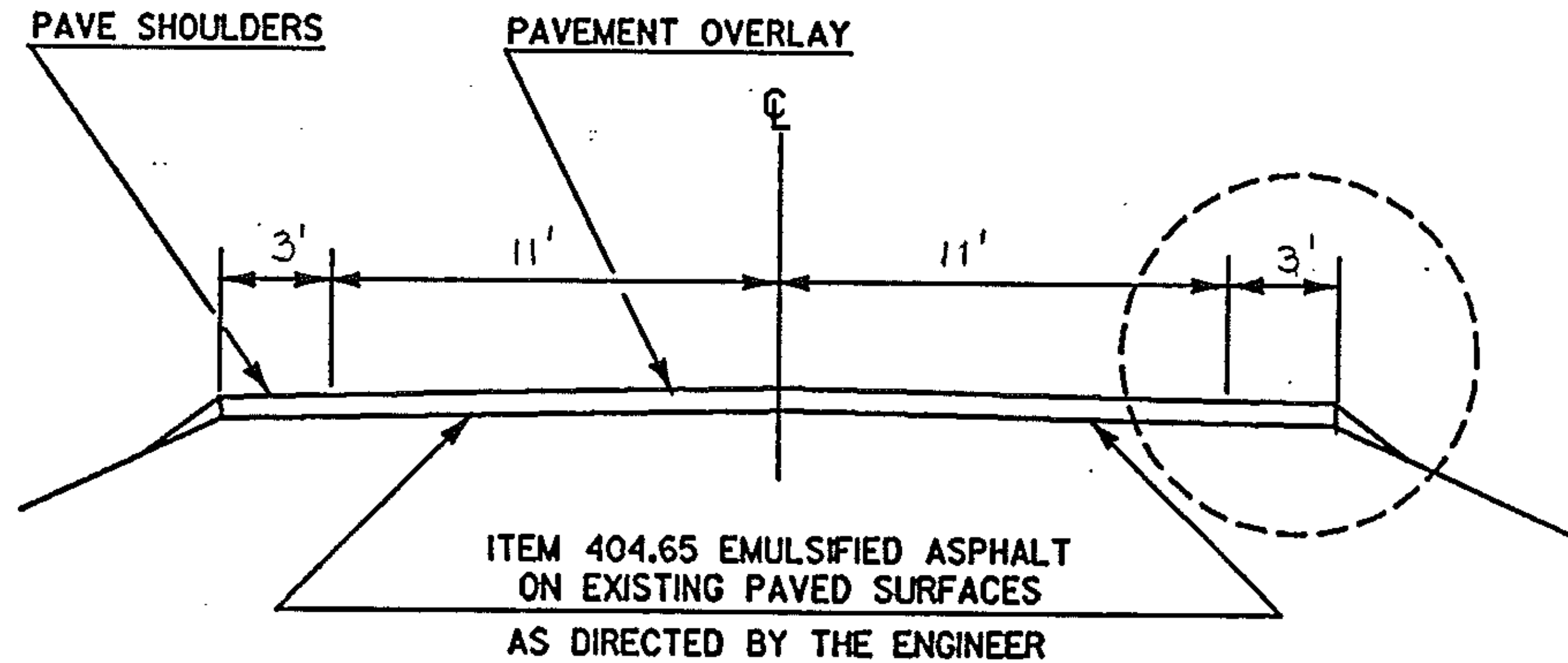
PROJECT TROY

NO. HMA 2827

SHEET 18 OF 26 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2''$)
 LEVELING COURSE TYPE IV (450 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4''$)
 AS DIRECTED BY THE ENGINEER



PROJECT TROY

NO. HMA 2827

SHEET 19 OF 26 SHEETS

PROJECT TROY ROUTE VT 105 PROJECT # HMA 2827

TEMPORARY 4" YELLOW LINE

MILE	MILE	LT.	RT.	QTY. LEFT	☒ (SINGLE DASH)	QTY. RT.	TOTAL (LF)
0.423	.56	S	S	724		724	1448
.56	.71	D	D		198		198
.71	.89	D	S	238		950	1188
.89	1.25	S	S	1901		1901	3802
1.25	1.41	S	D	845		211	1056
1.41	1.57	D	S	211		845	1056
1.57	1.731	S	D	850		213	1063
							9811
				ASSUME 50% LOST DURING			
				LEVELING			4905
							14,717
					ROUNDING +43		+43
							14,750

TEMPORARY 4" WHITE LINE

MILE	MILE	LT.	RT.	QTY. LEFT	SINGLE DASH	QTY. RT.	TOTAL (LF)
0.423	1.731	SOLID	SOLID	6906		6906	13812
				ASSUME NO LOSS		ROUNDING +8	13820

STATE OF VERMONT AGENCY OF TRANSPORTATION



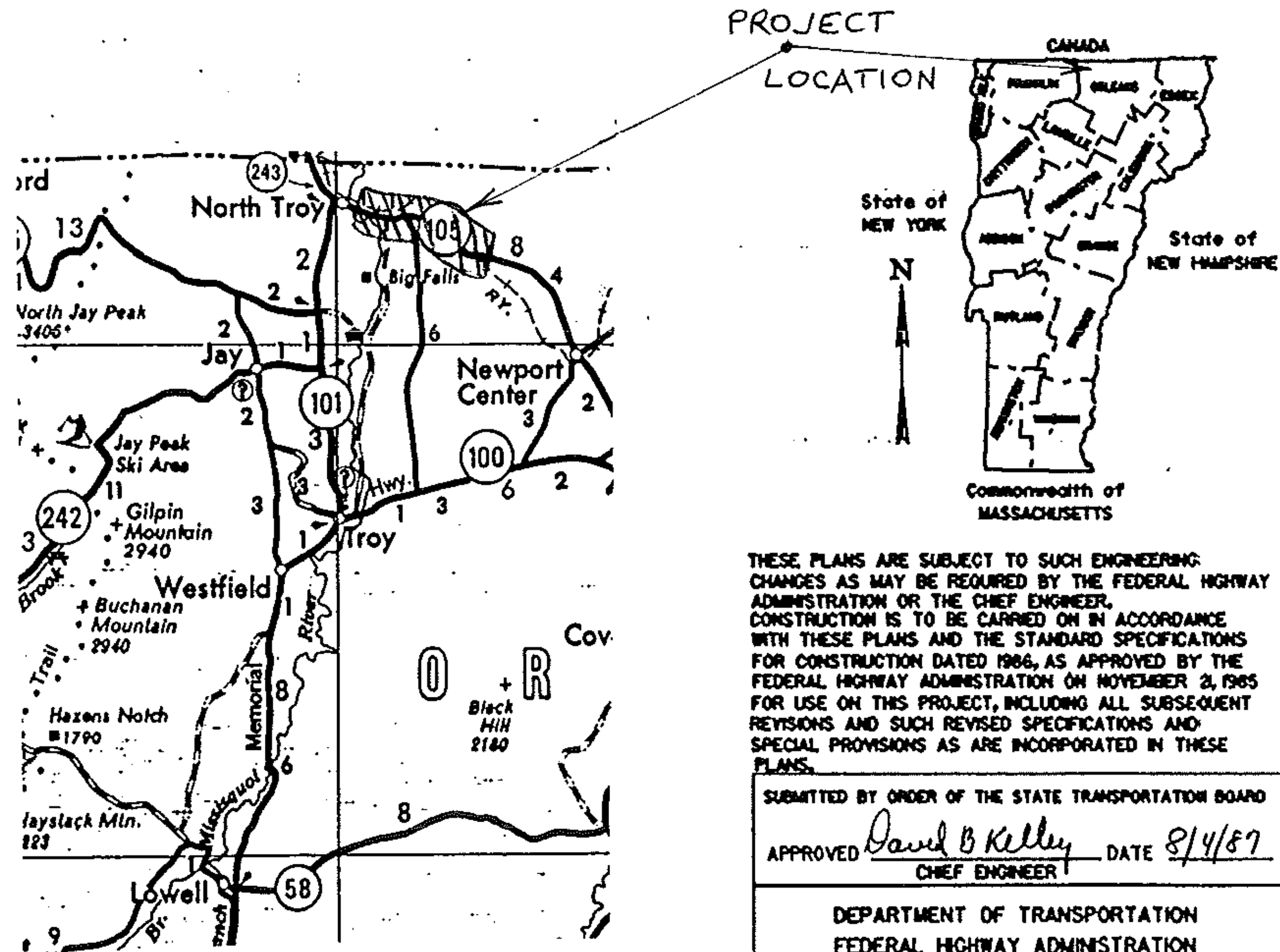
PROPOSED IMPROVEMENT RESURFACING PROJECT

TOWN OF TROY

COUNTY OF ORLEANS

ROUTE NO. VT 105

ROUTE CLASS F.A.P.



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SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED David B. Kelly DATE 8/4/87
CHIEF ENGINEER

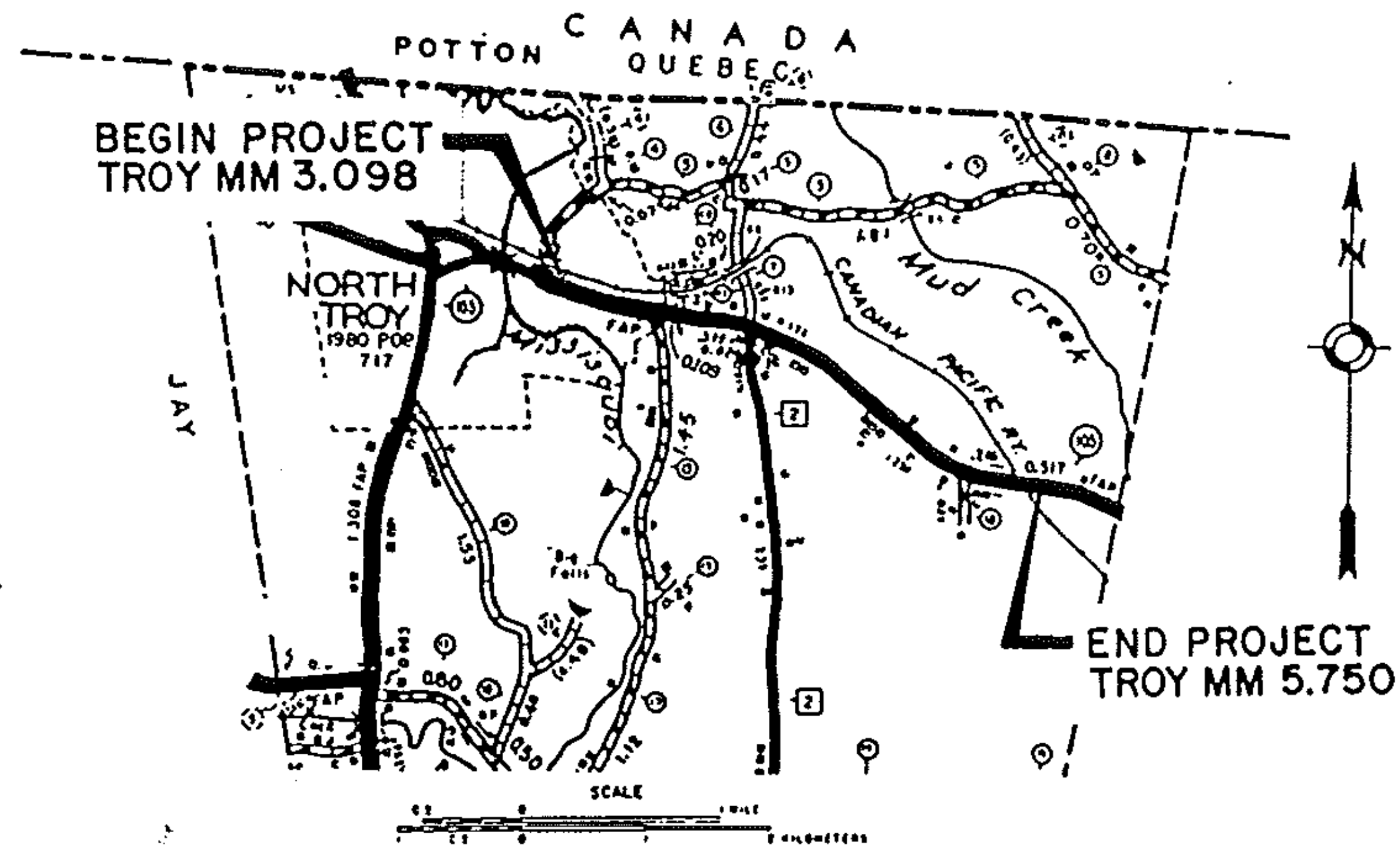
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT NO.

SHEET 22 OF 26 SHEETS

PROJECT DESCRIPTION AND LOCATION



PROJECT LOCATION

BEGINNING IN THE TOWN OF TROY AT MM 3.098 AND EXTENDING EASTERLY ALONG VT 105 FOR 2.652 MILES TO MM 5.750 JUST PAST THE RAILROAD CROSSING.

PROJECT LENGTH

2.652 MILES (14,003 FEET)

PROJECT DESCRIPTION

RESURFACE WITH A LEVELING COURSE AND $1\frac{1}{4}$ " BITUMINOUS OVERLAY, PROVIDE PAVED SHOULDERS AND NEW PAVEMENT MARKINGS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

TRAFFIC DATA

AADT 1290
V 30 MPH

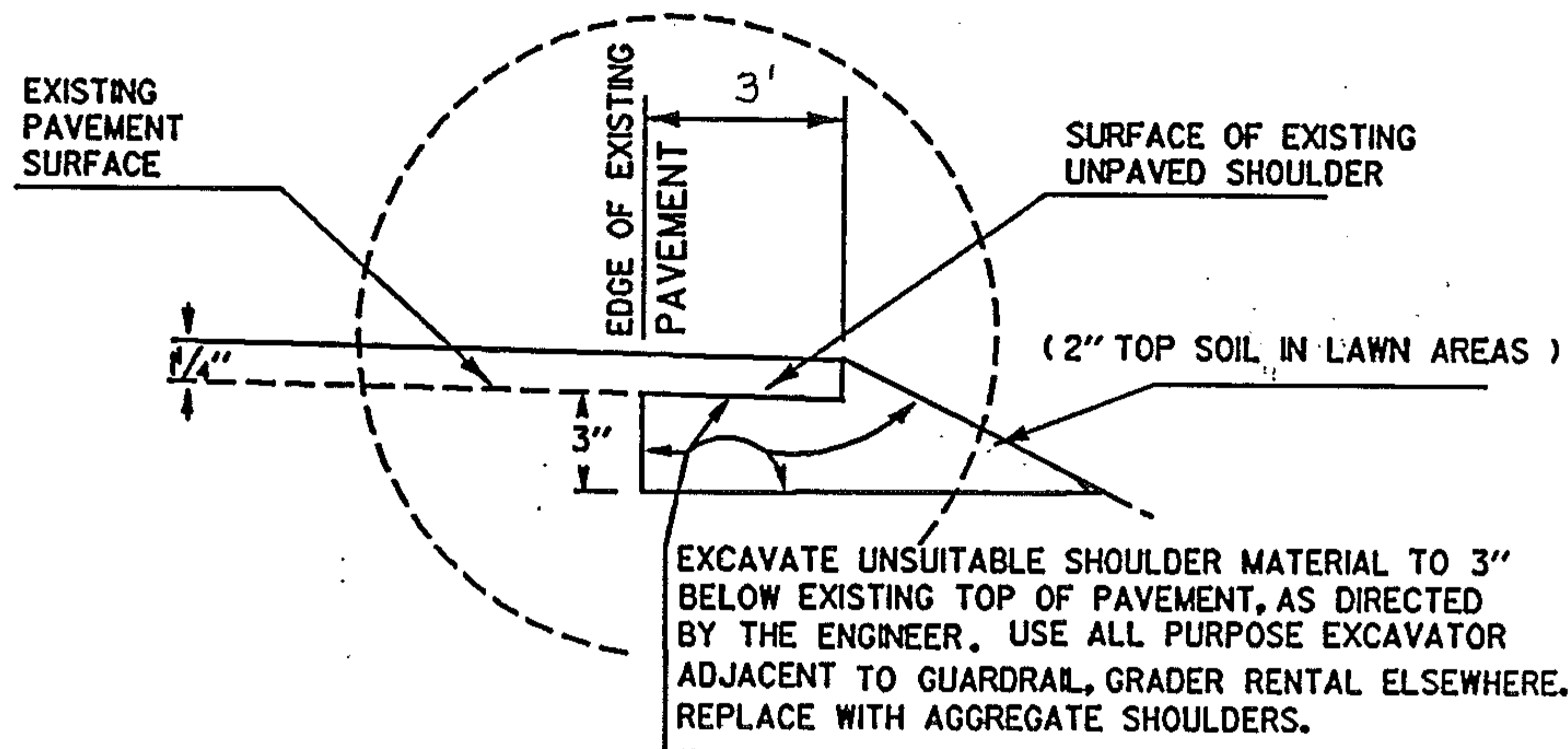
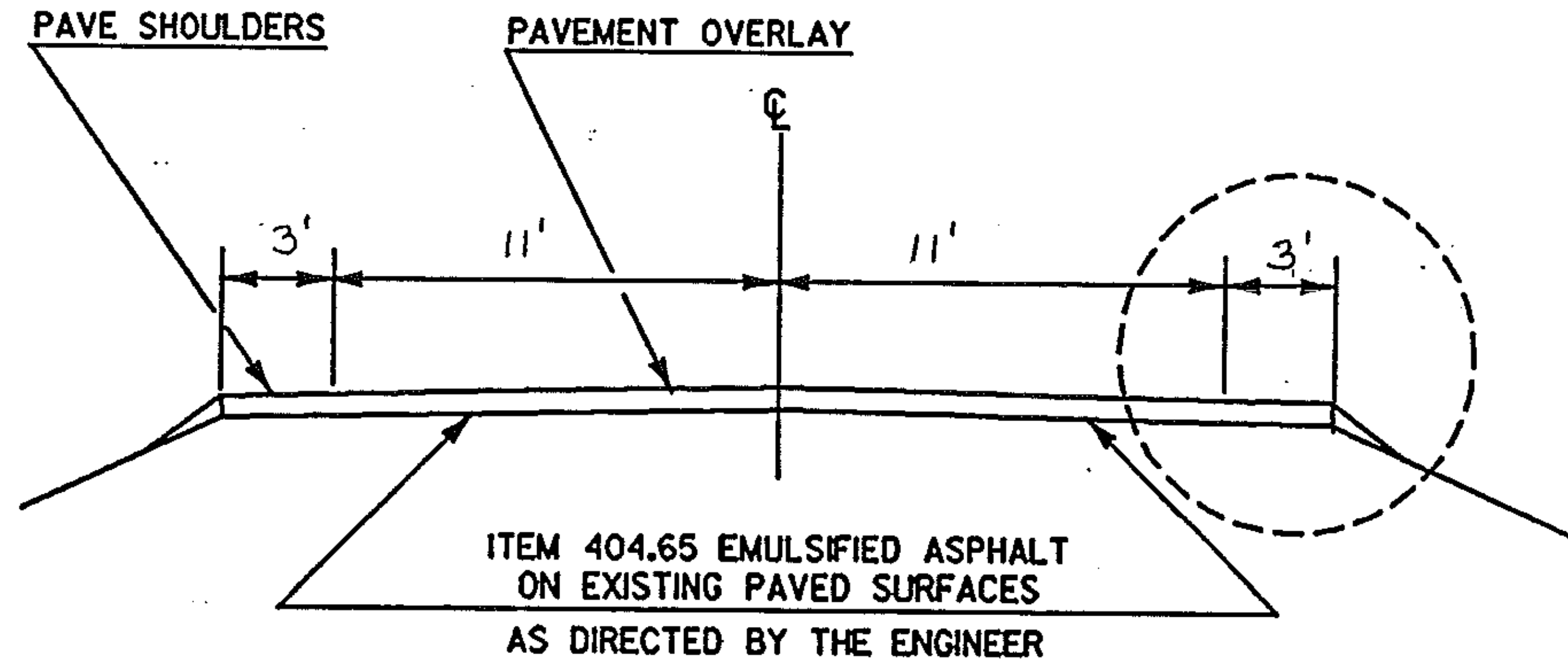
PROJECT TROY

NO. HMA 2831

SHEET 23 OF 26 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (350 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER



PROJECT TROY

NO. HMA 2831

SHEET 24 OF 26 SHEETS

PROJECT TROY ROUTE 105 PROJECT # HMA 2831

TEMPORARY 4" YELLOW LINE

MILE	MILE	LT.	RT.	QTY. LEFT	☺ (SINGLE DASH)	QTY. RT.	TOTAL (LF)
3.098	4.21	S	S	5871		5871	11,742
4.21	4.38	S	D	898		225	1122
4.38	4.58	D	S	264		1056	
4.58	4.76	S	S	950		950	1900
4.76	4.87	S	D	581		145	726
4.87	4.91	S	S	211		211	422
4.91	5.06	D	S	198		792	990
5.06	5.14	S	S	422		422	844
5.14	5.30	D	D		211		211
5.30	5.75	S	S	2376		2376	4752
							74029
@ 5.60 RT			ASSUME 50% LOST DURING LEVELING				12014
RXR MARKING							36043
@ 5.85 LT			7 TOWN ROADS @ 40' EACH 7x40x2			-	560
RXR MARKING							35,483
						ROUNDING +17	17
							35,500

TEMPORARY 4" WHITE LINE

MILE	MILE	LT.	RT.	QTY. LEFT	SINGLE DASH	QTY. RT.	TOTAL (LF)
3.098	5.750	SOLID	SOLID	14003		14003	28006
					SHEET	25 OF 26	SHEETS

