

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Date JUN 10 1985
Cooley Asphalt Paving
Contractor
Walter A. Laprade
Signature
President
Title



CONTRACT PLANS

THESE PLANS DO NOT REFLECT
CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

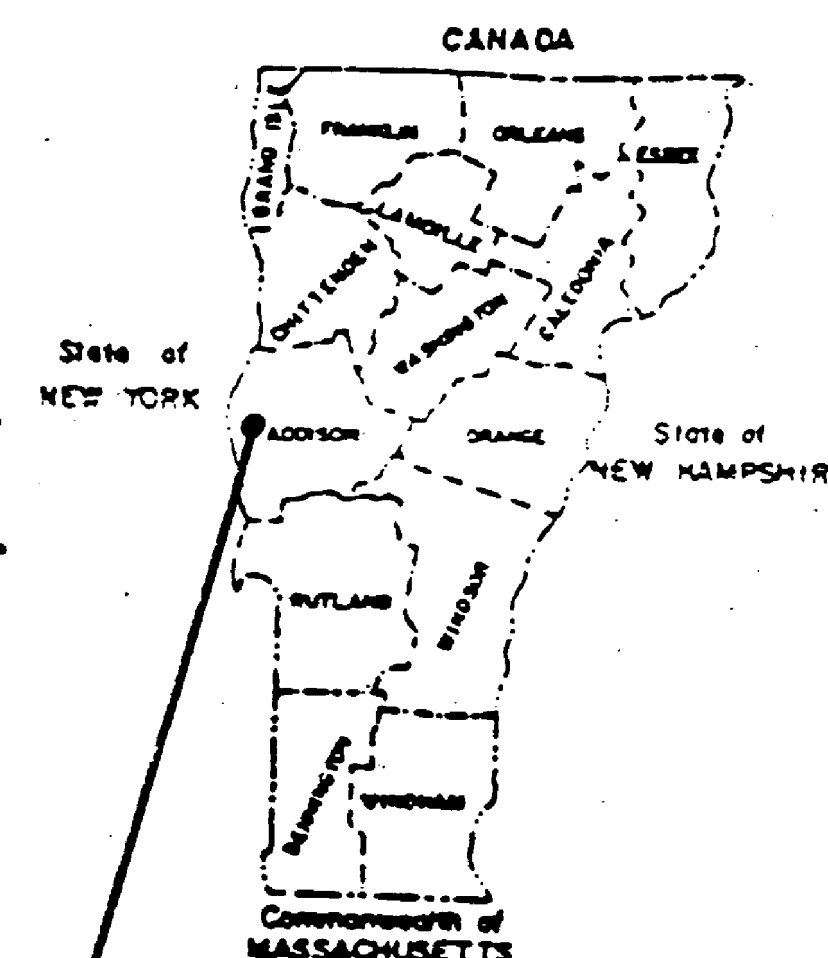
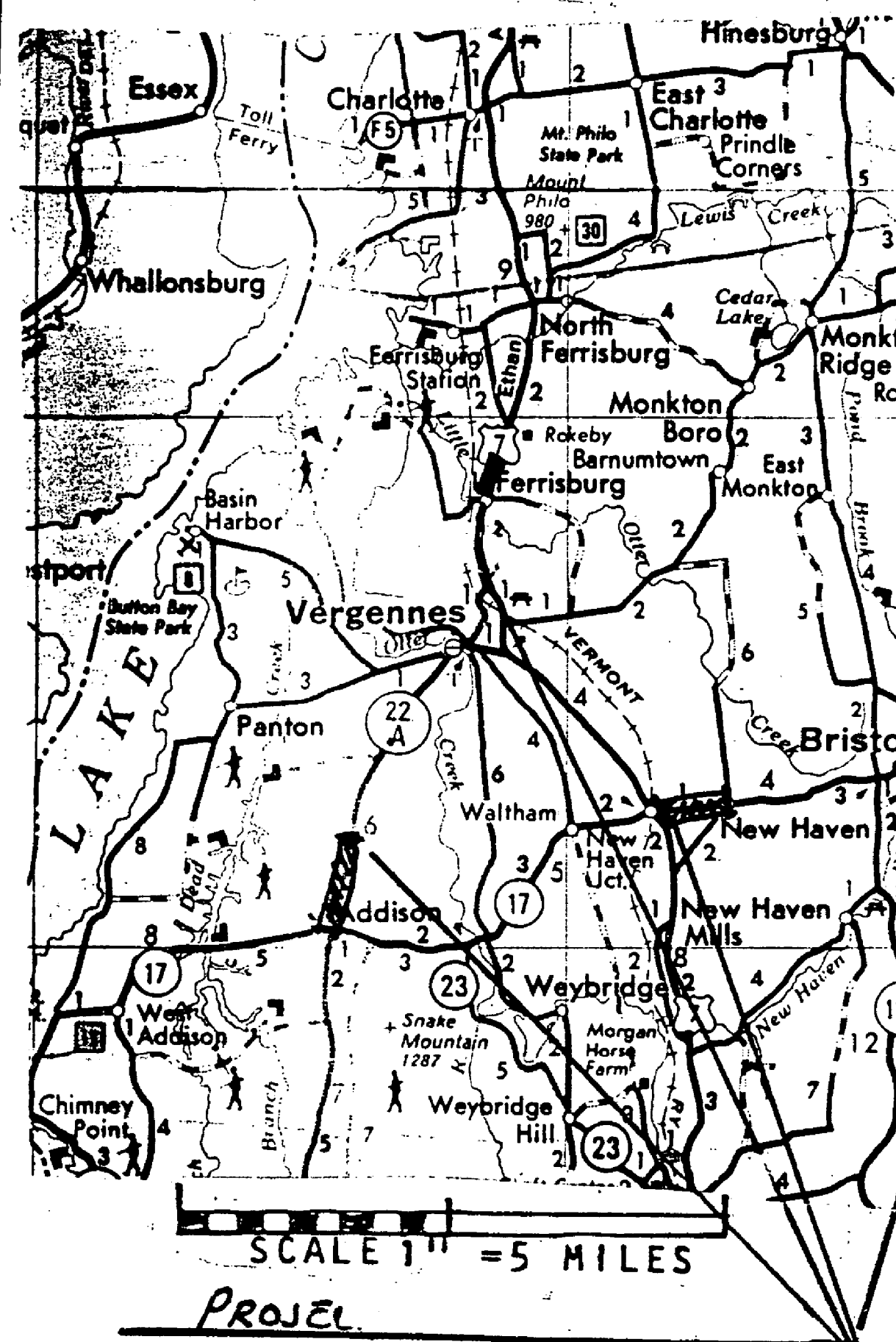
Anna C. Clampton
Transportation Secretary's
Signature RESURFACING PROJECT

TOWN OF: FERRISBURG-NEW HAVEN-ADDISON

COUNTY OF: ADDISON

ROUTE NO: US 7 VT 17 VT 22A

ROUTE CLASS: FAP FAP FAP



These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering and Construction.

Construction is to be carried on in accordance with these plans and the Standard Specifications for Highway and Bridge Construction dated March, 1976, as approved by the Federal Highway Administration on October 27, 1976 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>Frank N. Smith</u>	DATE <u>MAR 14 1985</u>
DIRECTOR OF ENGINEERING AND CONSTRUCTION	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____	DATE _____
DIVISION ADMINISTRATOR	
PROJECT NO. <u>F032-1(4)5</u> <u>HMA 2622, HMA 2632</u>	
SHEET 1 OF 18 SHEETS	

SEE SHEET 2 FOR INDEX

PROJECT PROCESSED UNDER
SECONDARY ROAD PLAN

INDEX OF SHEETS

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PROJECT FERRISBURG - NEW HAVEN - ADDISON

NO. HMA 2622, HMA 2623
F032-1(4)S

SHEET 2 OF 28 SHEETS

INDEX OF SHEETS

ADDISON HMA2623

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27	STANDARD SHEET E-24A	1-8-81R
27A	STANDARD SHEET E-29	8-25-81R
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PROJECT FERRISBURG-NEW HAVEN-ADDISON

NO. HMA2622, HMA2623
F032-1(4)S

SHEET 2A OF 28 SHEETS

- 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.

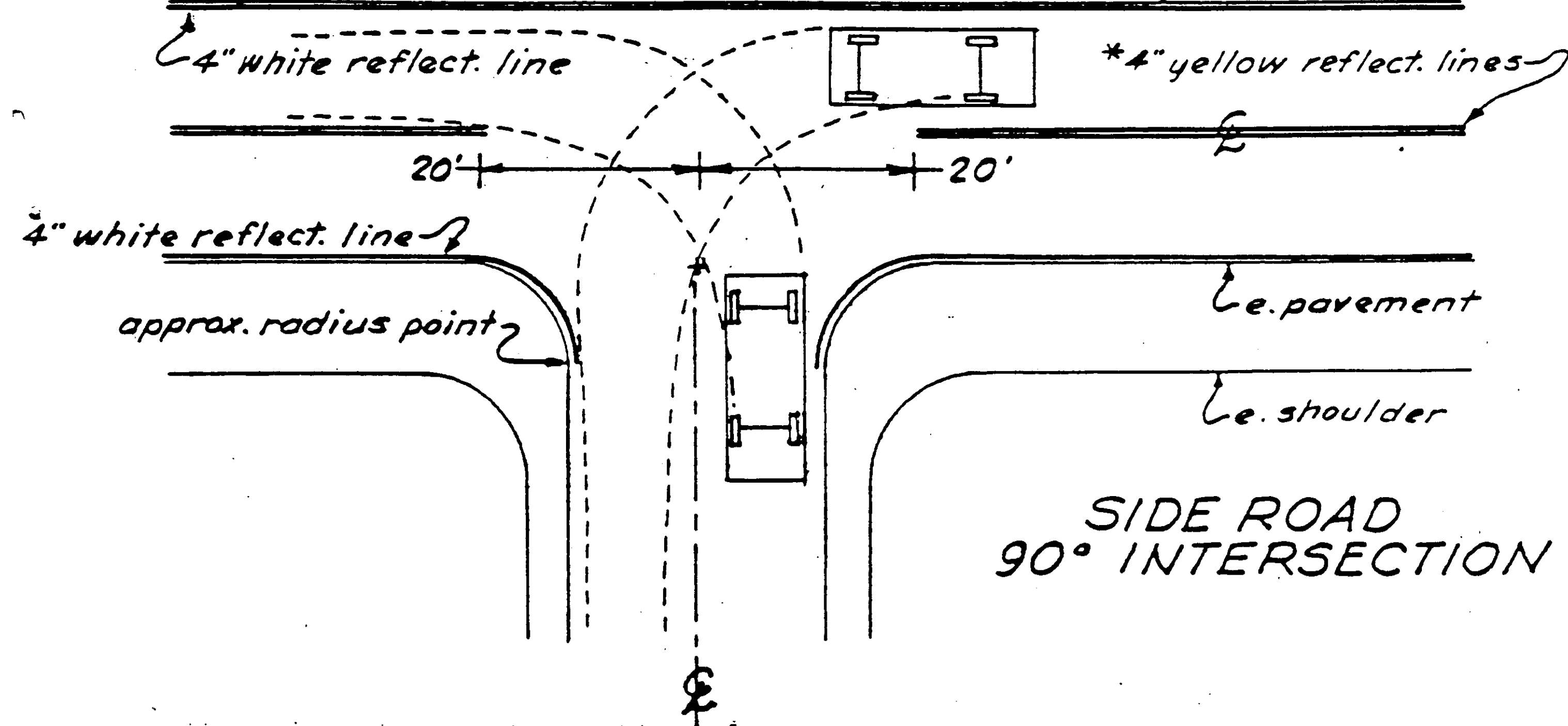
REVISED
02/11/85

FERRISBURG HMA 2622
NEW RIVEN FO 32-1(4)S
ADDISON HMA 2623

SHEET 5 OF 28

e. shoulder

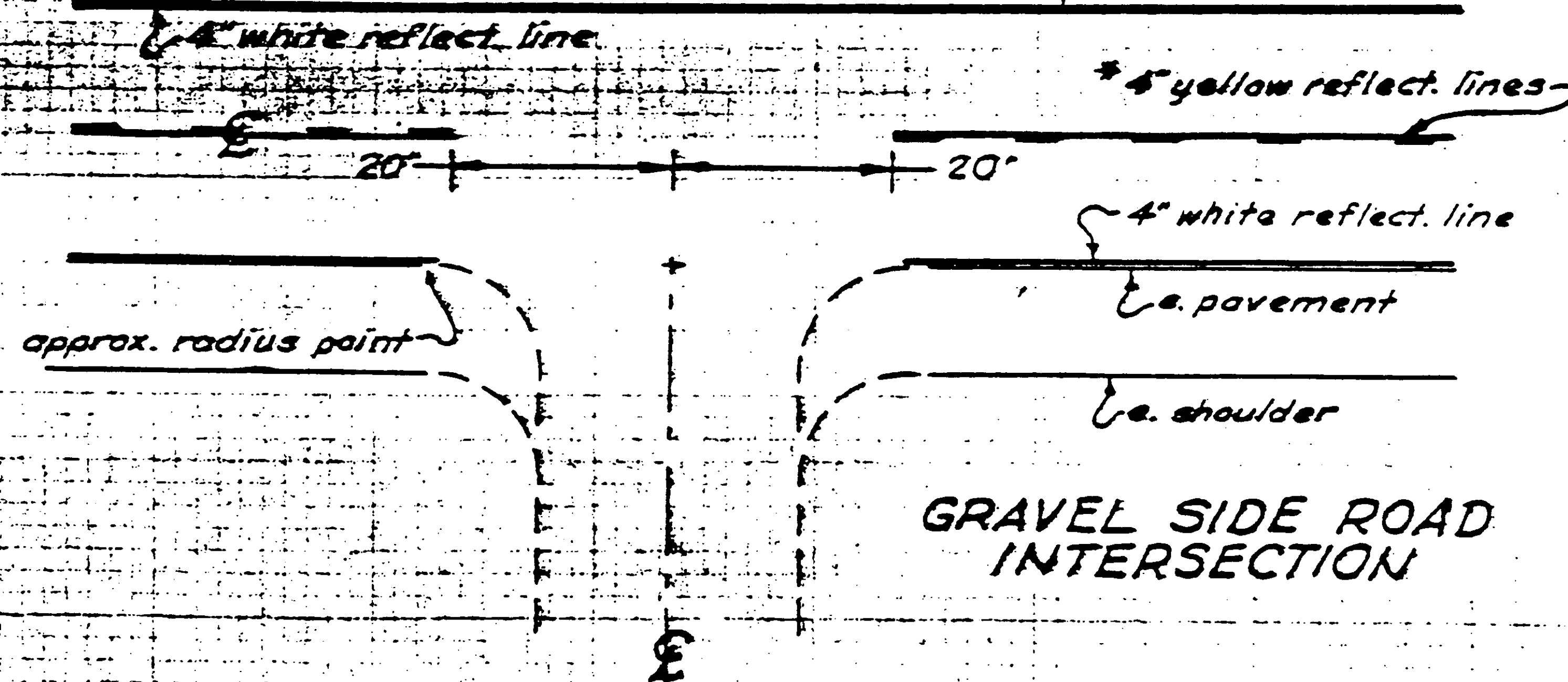
e. pavement

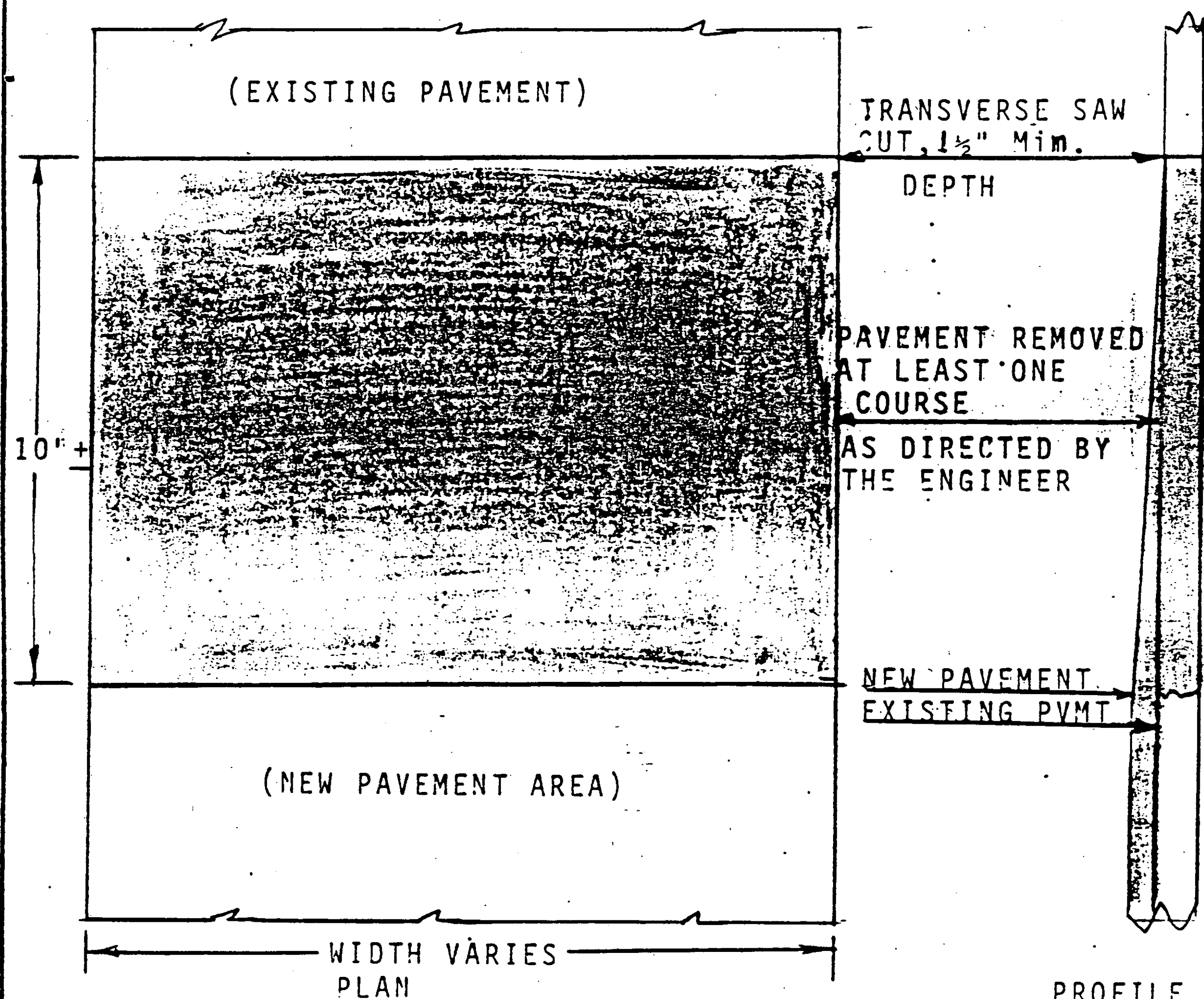


*Centerline treatment shall consist of a minimum of 400 feet of solid line in advance of the intersection and shall be paired with either a solid or dashed line depending on sight distance availability in the opposing lane.

e. shoulder

e. pavement



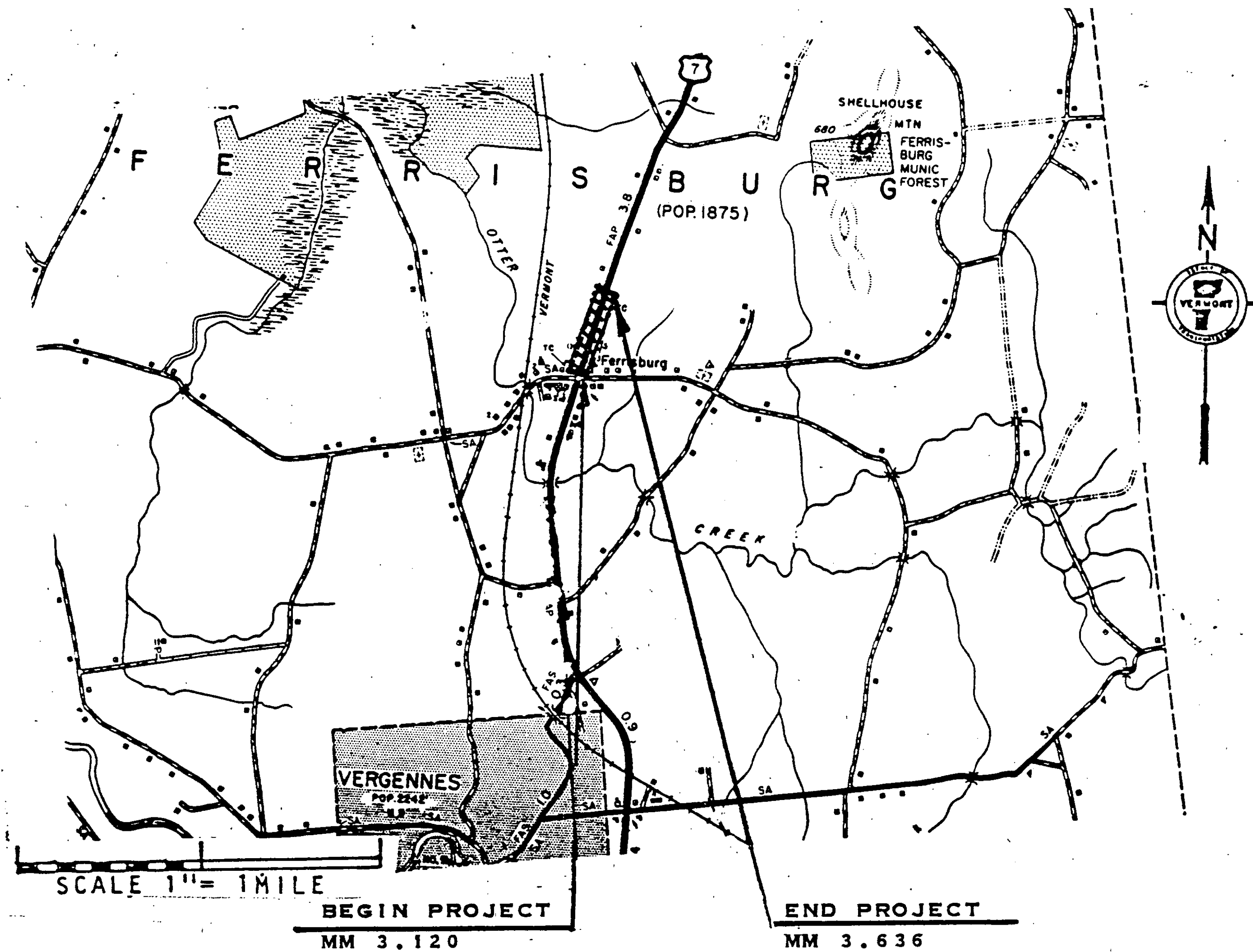


PAVEMENT MAY BE LAID, WITH APPROVAL OF THE ENGINEER, IN ONE COURSE
 TERMINUS WILL BE FLUSH WITH EXISTING PAVEMENT AND WILL BE CROSS
 ROLLED.

THIS ITEM WILL BE SUBSIDIARY TO ITEM 406.25, BITUMINOUS CONCRETE
 PAVEMENT.

NOT TO SCALE

PROJECT <u>FERRISBURG</u> <u>NEW HAVEN, ADDISON</u>	NO. <u>HMA 2622</u> <u>F032-1(4)S 4M-2622</u> SHEET <u>7</u> OF <u>28</u> SHEETS
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US 7- IN THE TOWN OF FERRISBURG BEGINNING AT MM 3.120 AND EXTENDING
0.516 MILES NORTHERLY TO MM3.636

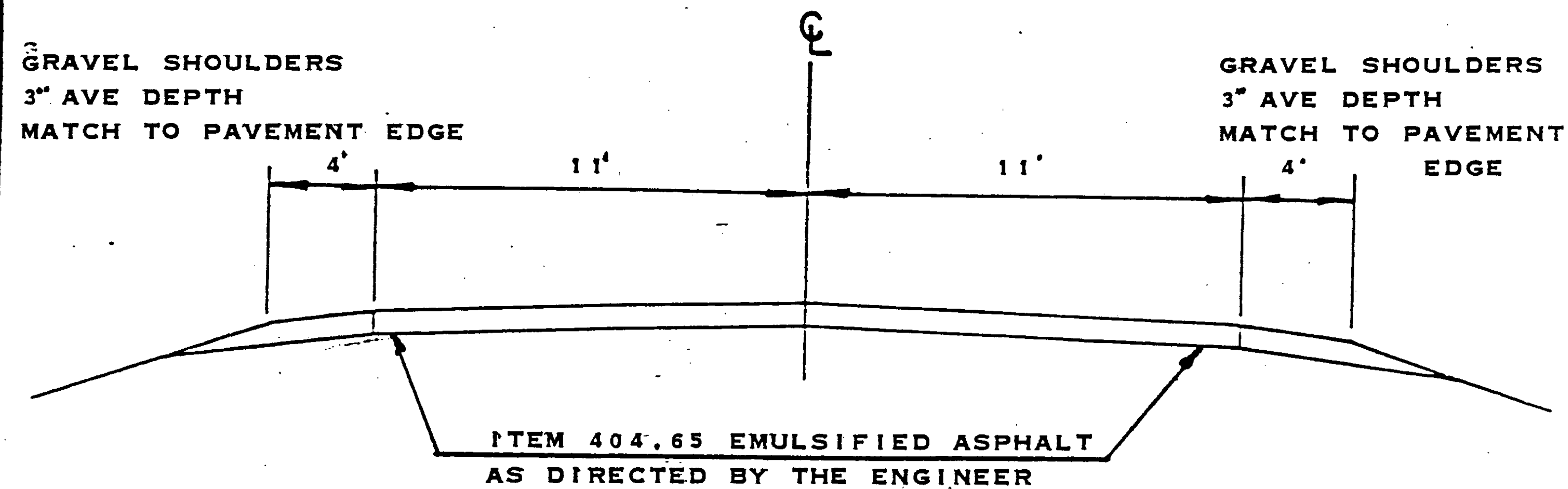
LENGTH OF PROJECT
0.516 MILES
2725 FEET

PROJECT FERRISBURG

NO. HMA 2622

SHEET 8 OF 28 SHEETS

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE III OR IV (300 TONS/MILE)
AS DIRECTED BY THE ENGINEER
1 1/2" WEARING COURSE (3 1/4") TYPE III



1982 ADT 7490
V 50

PROJECT FERRISBURG

NO. HMA 2622

SHEET 9 OF 28 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

[illegible]

PROJECT FERRISBURG

NUMBER HMA2622

SHEET 10 OF 21

ITEM DESCRIPTION

DURABLE LETTER IN WORD MARKING

WIDTH

LENGTH

ITEM NUMBER

646.66

REMA

UNIT

FEET

FT

MM 3.27

6

SCHOOL

TOTAL

6

PROJECT

FERRISBURG

NUMBER

HMA 2622

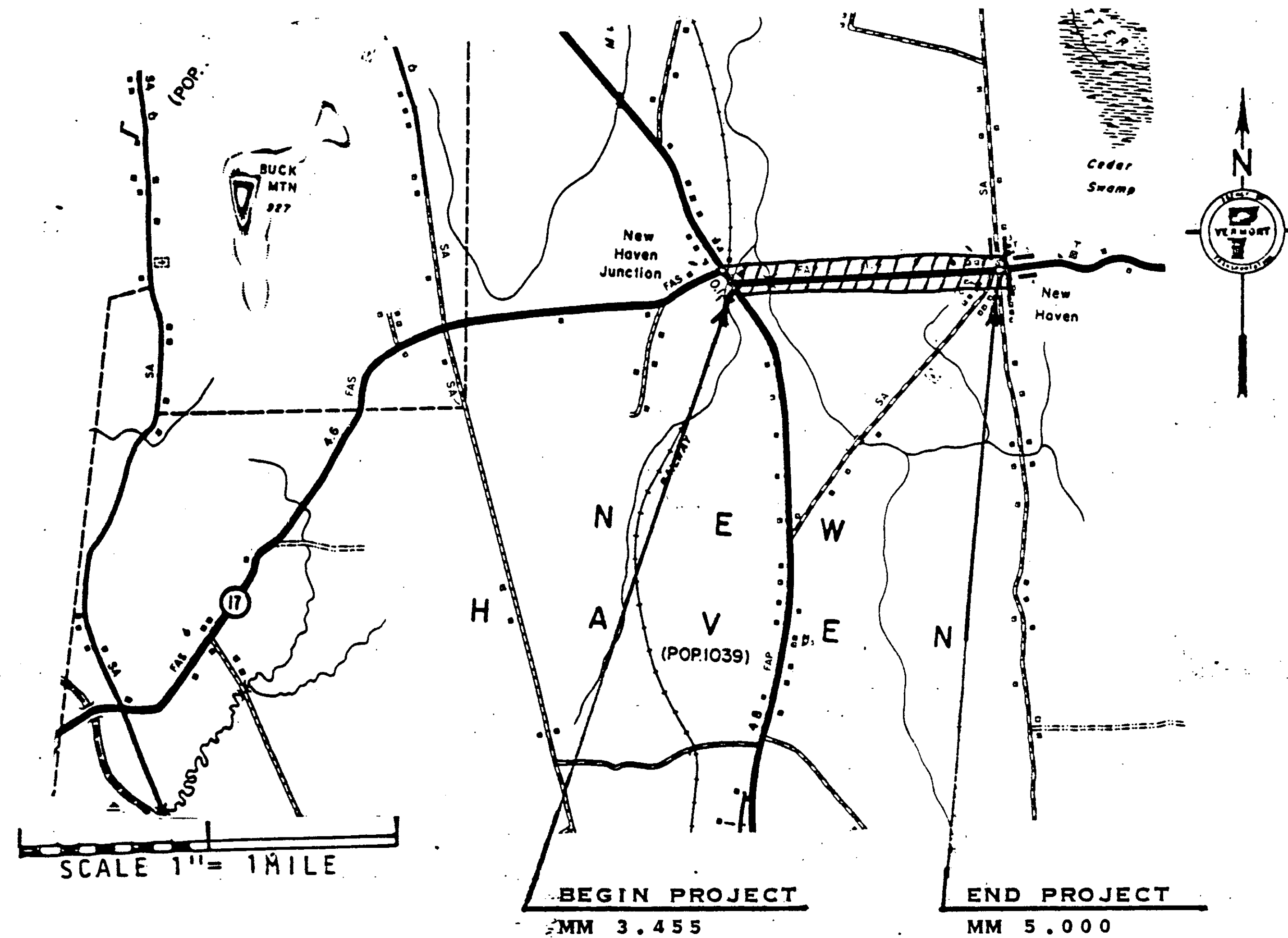
SHEET 104 OF

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	Quan LT		Quan RT	TOTAL
3.720	3.636	Solid	Solid	2725		2725	5450
					- 1 THAT 40X2		80
							5370
		Assume 100% & is Lost During Shimming					
		200% X 5370 = 10,740 Lb					
ITEM 646.66 - DURABLE LETTER IN WORD MARKING							
M/M 3.27 LT	SCHOOL	—		6 ea	—	—	6 ea

TEMPORARY 4" REFLECTORIZED WHITE LINE

[illegible]



VT 17- IN THE TOWN OF NEW HAVEN BEGINNING AT MM 3.455 AND
EXTENDING 1.545 MILES EASTERLY TO MM 5.000

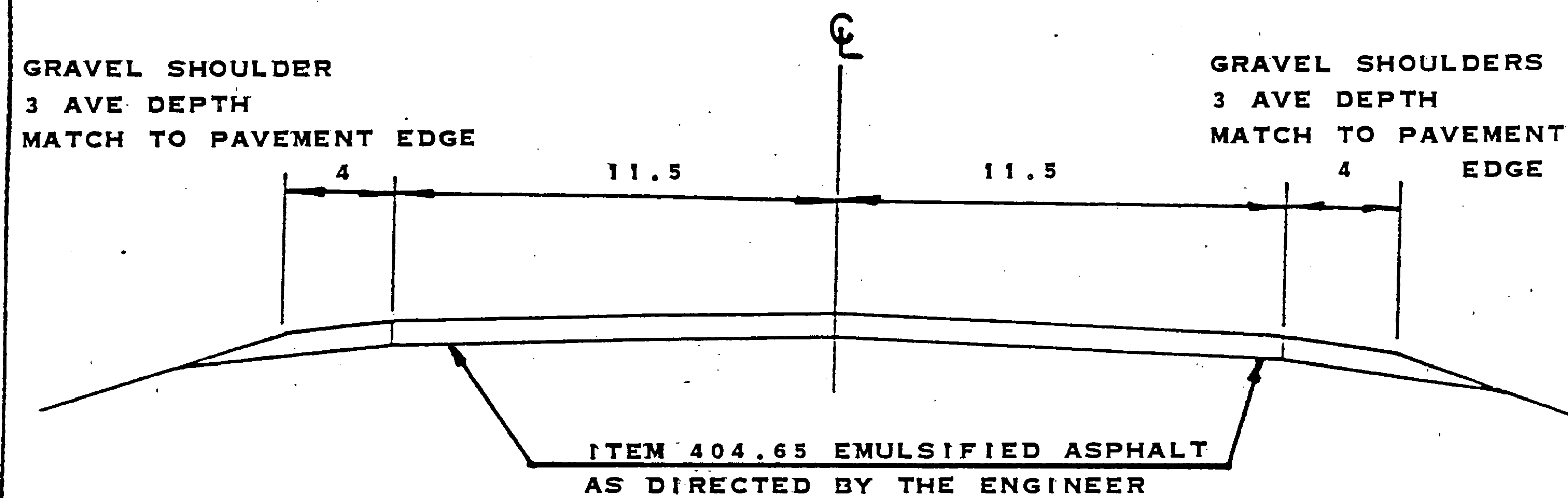
LENGTH OF PROJECT
1.545 MILES
8158 FEET

PROJECT NEW HAVEN

NO. F 032-1(4)S

SHEET 12 OF 28 SHEETS

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE III OR IV (261 TONS/MILE)
AS DIRECTED BY THE ENGINEER
3/4 WEARING COURSE, TYPE IV



1982 ADT 1680
V 50

PROJECT NEW HAVEN

NO. F 032-1(4)S

SHEET 13 OF 28 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

TEI DESCRIPTION		UNIT	FEET	FT	IRCH	CY	CY	TON	CWT	TON	EA	HRR	HRR	HRR	UP	I.S.	I.F.		REF
NEW HAVEN																			
1 3.455-5.00		8158	23	3/4		604	1058	52	869										
Proj Estimate					31	20	20	6	50		1	5	12	33	33	33	16316	20642	
ROUNDING					9	26	2	2	7			8	7	7			84	58	
TOTAL					40	650	1080	60	1330	1	5	20	40	40	33	16400		20700	

PROJECT NEW HAVEN

NUMBER F 032-1(4)S

7-11-68

ITEM DESCRIPTION											
ITEM NUMBER											
UNIT											
REMARKS											
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TEMPORARY 4" REFLECTORIZED YELLOW LINE

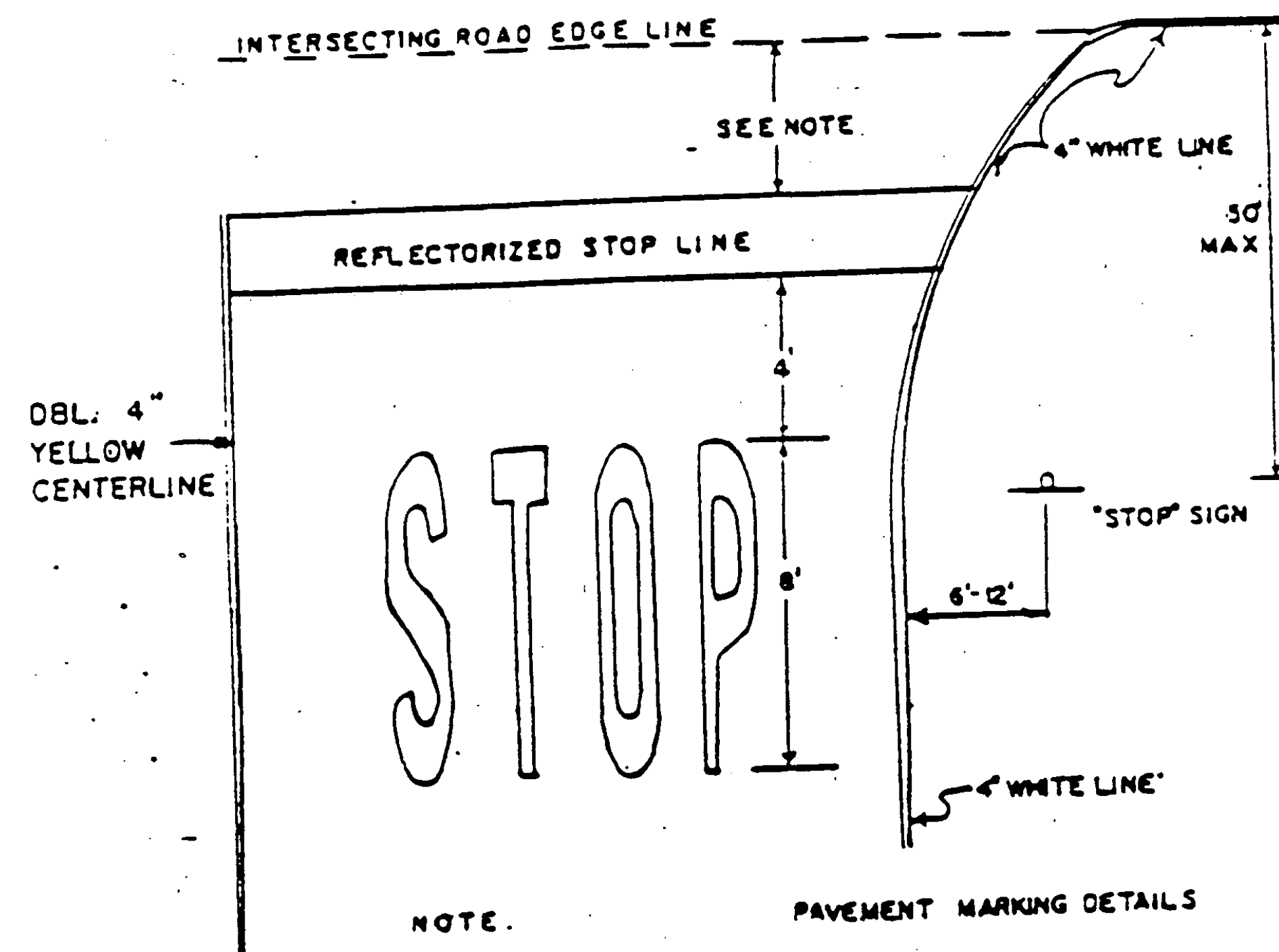
MILE	MILE	LT	RT	QUANTIEY LT	QUANTIEY RT	QUANTIEY RT	TOTAL
3.455	3.48	SOLID	SOLID	132		132	264
3.48	3.63	SOLID	DASH	792		198	990
3.63	4.00	DASH	DASH		488		488
4.00	4.15	DASH	SOLID	198		792	990
4.15	5.00	SOLID	SOLID	4,488		4,488	8976
ASSUME 80% IS LOST DURING SHIMMING							11,708
- 3TH A+Y0X2							240
11,468 X 180% = 20,642							11,468
ITEM 646.64 - DURABLE 24" STOP BAR - LS							
M/M	3.456 LT	24" STOP BAR	—	15 LS			15 LS
ITEM 646.66 DURABLE LETTER IN WORD MARKING							
M/M	3.61 LT	STOP AHEAD	—	9 ea	—	—	9 ea
M/M	4.81 RT	—	SCHOOL	—	—	6 ea	6 ea
M/M	4.95 LT	SCHOOL	—	6 ea	—	—	6 ea
SEE STD E-50							Total = 21 ea
ITEM 675.20 - TRAFFIC SIGNS TYPE A SF							
M/M	3.61 LT	STOP AHEAD SYMBOL (3X3)		97.62	—	—	15.2 SF
ITEM 675.35 - TRAFFIC SIGM POSTS, Type A							
See STD E-24A							
M/M	3.61 LT	16 3/16" FT		48 lb	—	—	
M/M	3.57 LT	16 3/16" FT		48 lb			96 lbs
M/M	3.57 LT	21" X 15"	JCT	2.2 SF			
		24" X 24"	CD	4 SF			

TEMPORARY 4" REFLECTORIZED WHITE LINE

[illegible]

STOP BAR DETAILS

13.



NOTE:
1. THE STOP LINE SHOULD BE PLACED AT THE DESIRED STOPPING POINT, IN NO CASE MORE THAN 30 FEET OR LESS THAN 4' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY, OR EDGE OF CROSSWALK.

AHEAD

NOTE:
SEE STANDARD E-50
FOR LETTERING DETAIL.

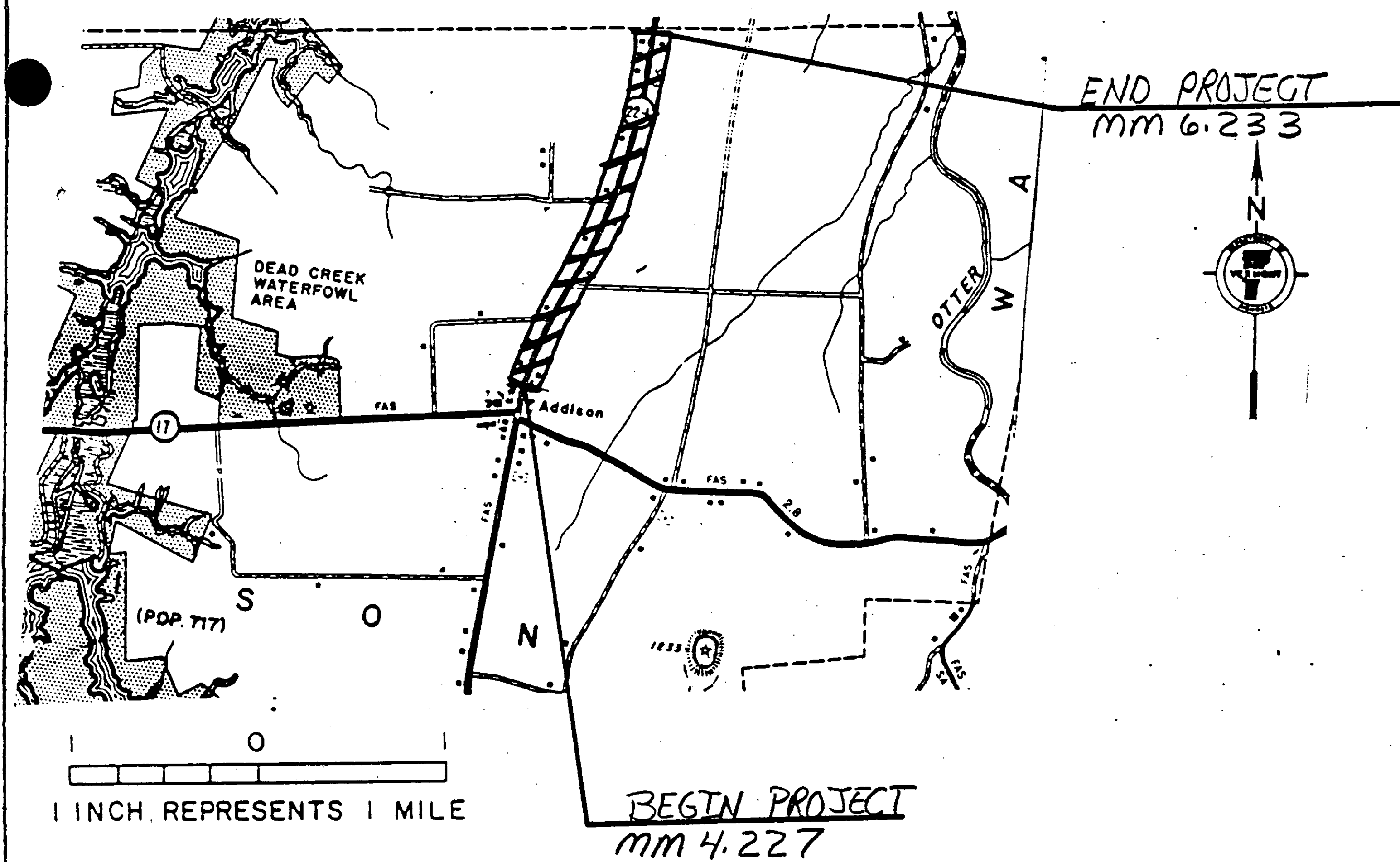
STOP AHEAD SIGN

STOP

NEW HAVEN
FO32-1(4)S

SHEET 16 OF 23

PROJECT DESCRIPTION AND LOCATION



VT. 22A IN THE TOWN OF ADDISON BEGINNING
AT MM 4.227 AND EXTENDING 2.006 MILES
NORTHERLY TO MM 6.233

LENGTH OF PROJECT

2.006 MILES

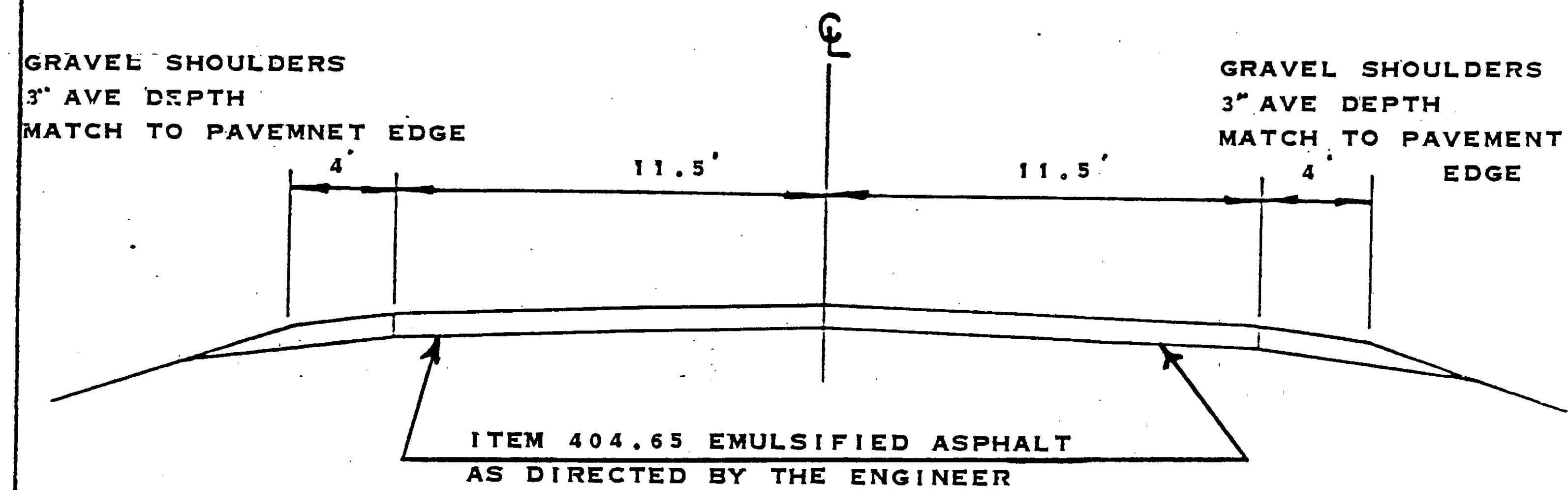
10592 FEET

PROJECT ADDISON

NO. HMA 2623

SHEET 18 OF 28 SHEETS

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE III OR IV (1.57 TONS/MILE)
AS DIRECTED BY THE ENGINEER
1" WEARING COURSE TYPE IV ($\pm 1/4$ ")



1982 ADT 2570
V 50

PROJECT ADDISON

NO. HMA 2623

SHEET 19 OF 28 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION									
ITEM NUMBER	UNIT LOCATION	FEET	FT	INCH	WIDTH		OVERLAY DEPTH		REMARKS
					CY	CY	TON	CFT	
653.10	ADDITIONAL MATERIAL 6.233	10592 23	1			785	1374	67	402.10
									404.65
									406.25
604.40	GRANULAR SHOULDER						1	5	608.25
									608.30
									608.35
608.35	EMULSION ASPHALT								610.30
									610.35
									610.40
610.40	CONCRETE PAVEMENT								612.35
									612.40
									612.45
612.45	4" GRAVEL SHOULDER								614.40
									614.45
									614.50
614.50	TOTALS				45	850	1460	70	616.45
									616.50
									616.55

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	QUANTIFIED LT	QUANTIFIED RT	QUANTIFIED RT	TOTAL
4.227	4.35	SOLID	SOLID	649		649	1298
4.35	4.48	SOLID	DASH	739		198	937
4.48	4.61	DASH	DASH		66		66
4.61	4.74	DASH	SOLID	153		634	787
4.74	4.87	SOLID	SOLID	422		422	844
4.87	4.99	SOLID	DASH	634		634	1268
4.99	5.12	SOLID	SOLID	1056		1056	2112
5.12	5.25	SOLID	DASH	634		153	787
5.25	5.38	DASH	SOLID	227		359	586
5.38	5.51	SOLID	SOLID	521		521	1042
5.51	5.64	SOLID	DASH	1109		277	1386
5.64	5.77	SOLID	SOLID	53		53	106
5.77	5.90	DASH	SOLID	199		792	991
5.90	6.03	SOLID	SOLID	2059		2059	4118
6.03	6.16	SOLID	DASH	69		17	86
							17066
							ASSUME 50% IS LOST DURING REMOVAL
						4 TH 40X8	350
							16,746 x 150% = 25,119
							15,746

TEMPORARY 4" REFLECTORIZED WHITE LINE

[illegible]