

STATE OF VERMONT AGENCY OF TRANSPORTATION

Dated JUL 13 1984



Cooley Corporation
Contractor

Ray Cooley
Signature

President

Title

CONTRACT PLANS

THESE PLANS DO NOT REFLECT
CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

RESURFACING PROJECT

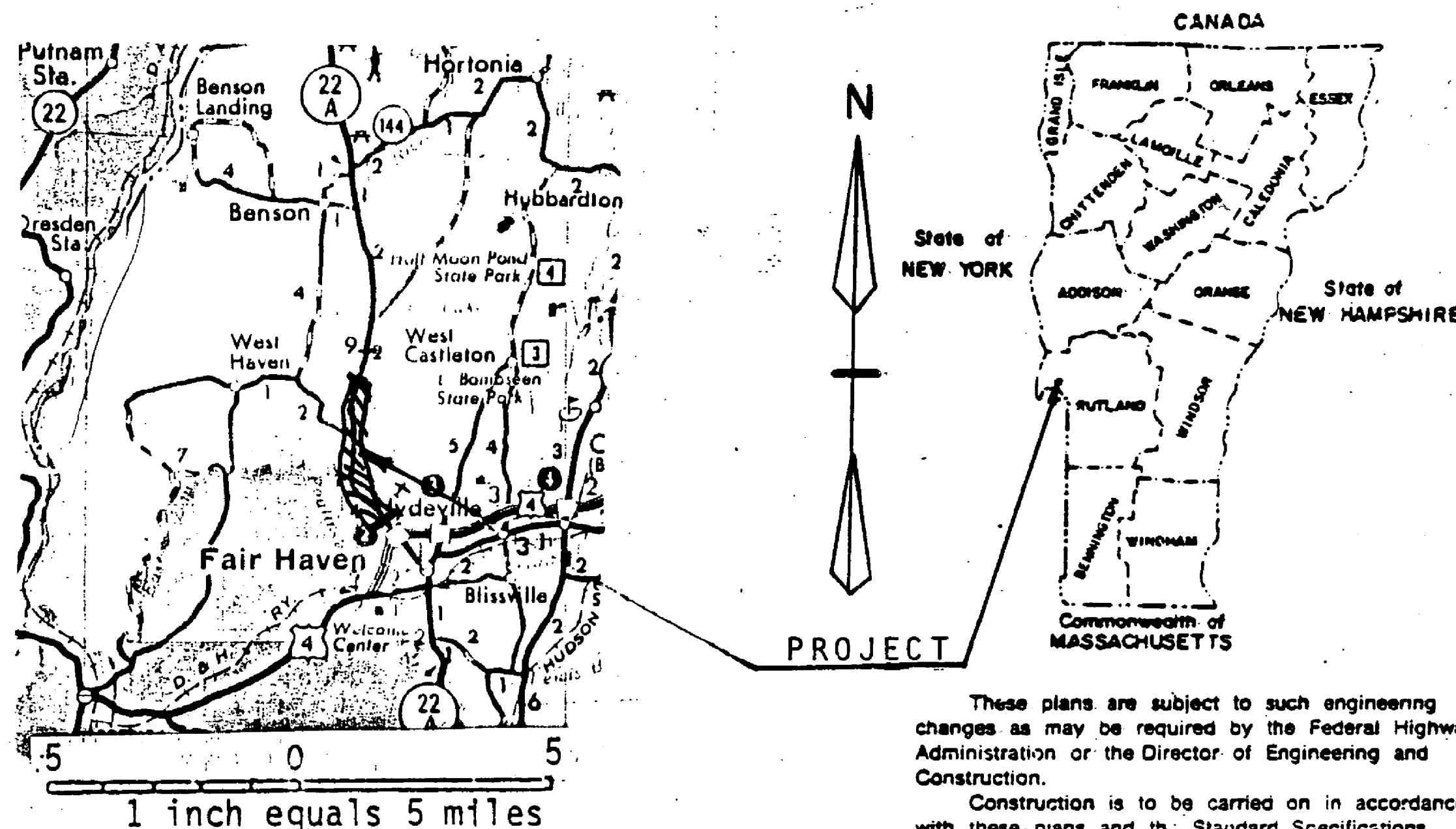
[Signature]
Transportation Secretary's Signature

TOWN OF: FAIRHAVEN-WEST HAVEN.

COUNTY OF: RUTLAND

ROUTE NO: VT-22A

ROUTE CLASS: 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, 1978 for use on this project, including all subsequent revisions and such revised specifications and special provisions as are incorporated in these plans.

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SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED [Signature] DATE 17 1984
DIRECTOR OF ENGINEERING AND CONSTRUCTION

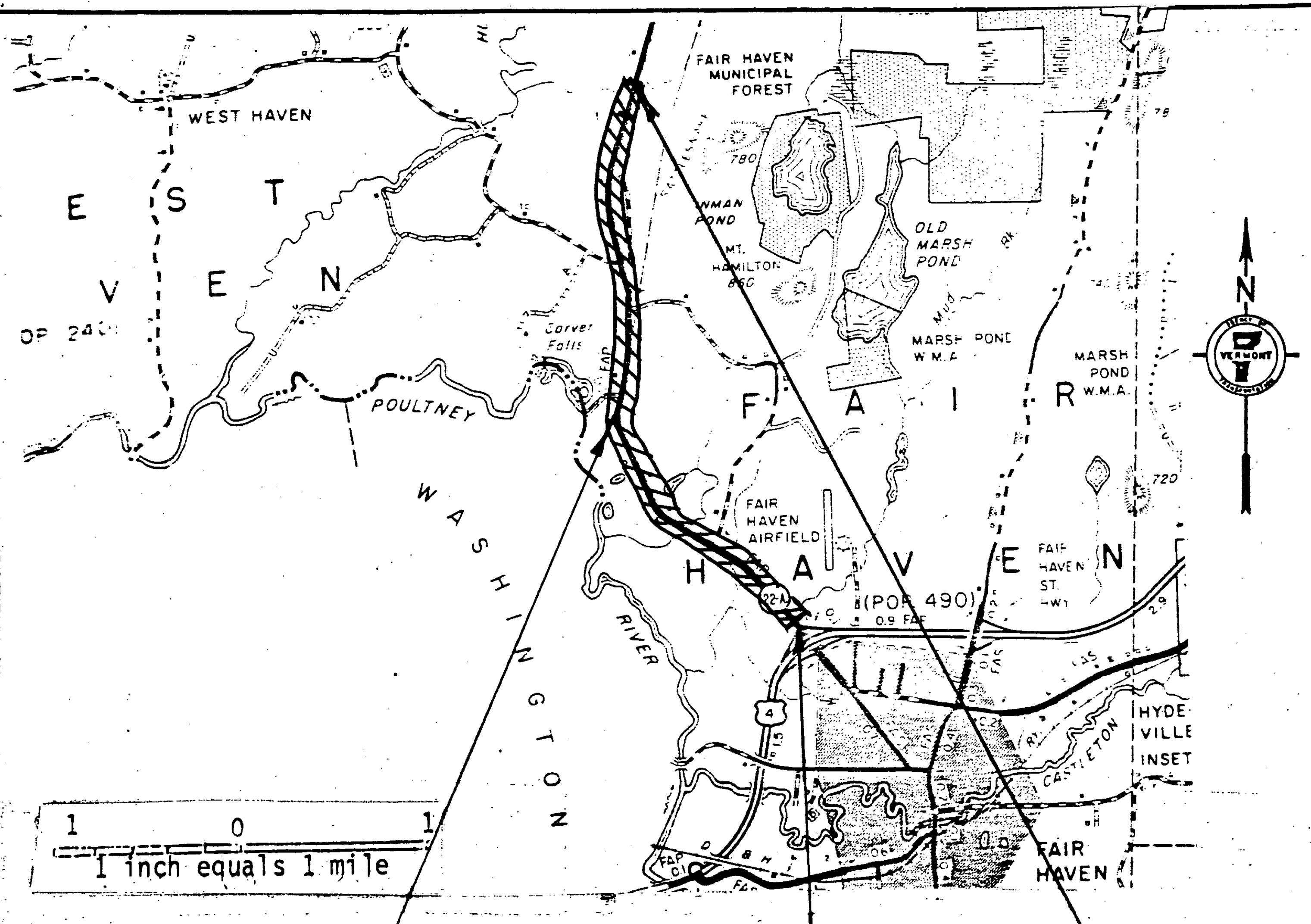
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT NO. HMA 2510

SHEET 1 OF 14 SHEETS

PROJECT DESCRIPTION AND LOCATION



WEST HAVEN MM0.00
 FAIRHAVEN MM4.43

BEGIN PROJECT
 MM. 2.809

END PROJECT
 MM 1.730.

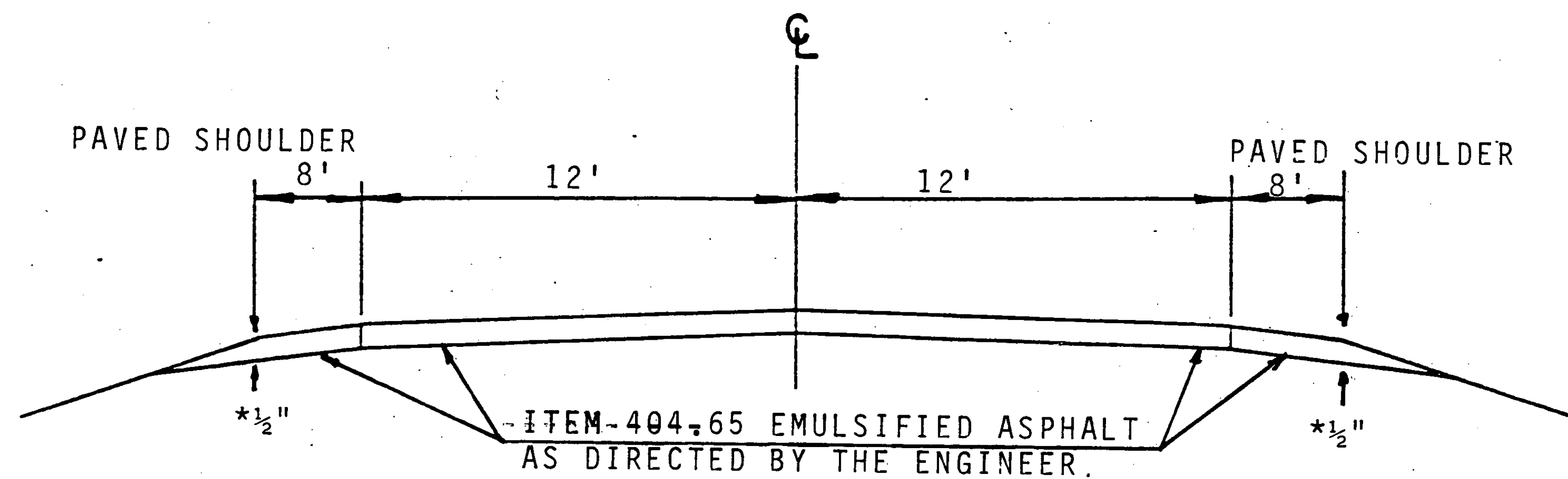
ON VT-22A: BEGINNING 0.27 MILES NORTHERLY OF THE JUNCTION OF
 US4 IN FAIRHAVEN AT MM 2.809 AND EXTENDING NORTHERLY
 3.350 MILES TO WEST HAVEN MM 1.730.

LENGTH OF PROJECT
3.350 MILES
 17,689 FEET

PROJECT <u>FAIRHAVEN-WEST HAVEN</u>	NO. <u>HMA 2510</u> SHEET <u>2</u> OF <u>14</u> SHEETS
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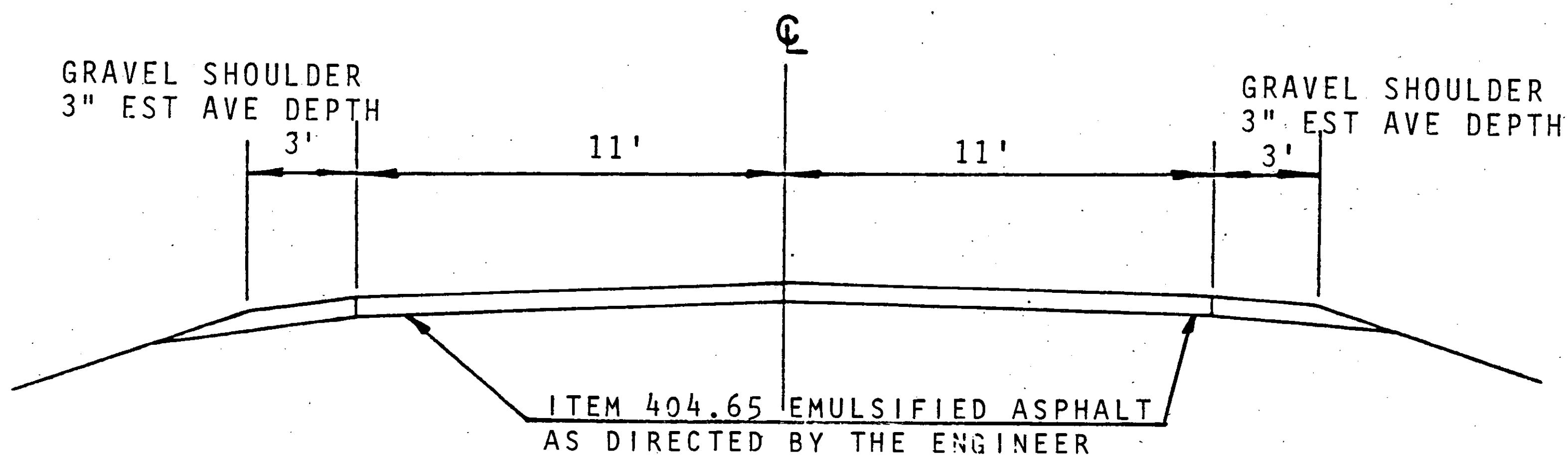
TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE, TYPE III OR IV (164 TONS/MILE)
 AS DIRECTED BY THE ENGINEER
 1½" WEARING COURSE, (+½") TYPE III



FAIRHAVEN MM 2.809 - WEST HAVEN MM 1.420

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE, TYPE III OR IV (150 TONS/MILE)
 AS DIRECTED BY THE ENGINEER
 1½" WEARING COURSE, (+½") TYPE III



WEST HAVEN MM 1.420-1.730

TRAFFIC DATA
 1982 ADT = 3280
 V=50MPH

* SHOULDERS TO BE TAPERED FROM FULL DEPTH TO ½"

PROJECT FAIRHAVEN-WEST HAVEN

NO. HMA 2510
 SHEET 3 OF 14

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	ITEM NUMBER																REMARKS
	LENGTH	WIDTH	OVERLAY DEPTH	OPTION	GRAVEL SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS CONCRETE PAVEMENT	CHANGE ELEV. OF CB, DL, OR MI	ALL PURPOSE EXC. RENTAL, TYPE I	POWER BROOD RENTAL	ENFORCED TRAFFIC OFFICERS	FLAGPERSONS	MOBILIZATION	TEMPORARY PAVEMENT MARKING- White	TEMPORARY PAVEMENT MARKING- Yellow		
UNIT	FEET	FT	INCH	S.Y.	CY	TON	CVT	TON	EA	HR	HR	HR	HR	LS	LF		
FAIRHAVEN MM 2.809																	
WEST HAVEN MM 1.420	16054	24	1 1/4				180	2974									
								1983								8' Paved shoulder	
								498								150 T/M Level Factored 164 T/M	
WEST HAVEN MM 1.42-1.73	1635	22	1 1/4		91	150	10	278								150 T/M Level	
								47									
PROJ EST					50	50	5	100	1	10	278	148	148	1	35966	32036	
ROUNDING					59		5	20			3	2	2		39	64	
	17689				200	200	200	5900	1	10	30	150	150	1	36000	32100	

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	4" Yellow
Begin Proj - Fair Haven				
2.809	2.97	Solid	Solid	1700
2.97	3.13	Solid	Dash	1056
3.13	3.23	Dash	Solid	990
3.28	3.31	Solid	Solid	317
3.31	3.44	Solid	Dash	859
3.44	3.47	Dash	Dash	40
3.47	3.62	Dash	Solid	990
3.62	3.65	Solid	Solid	317
3.65	3.78	Solid	Dash	858
3.78	4.01	Dash	Dash	304
4.01	4.16	Dash	Solid	990
4.16	4.41	Solid	Solid	2640
4.41	4.43	Solid	Dash	132
TOWNLINE FAIR HAVEN/WEST HAVEN				
0.00	0.10	Solid	Dash	660
0.10	0.30	Dash	Dash	264
0.30	0.38	Dash	Solid	528
0.38	0.43	Solid	Solid	528
0.43	0.54	Solid	Dash	726
0.54	1.07	Solid	Solid	5599
1.07	1.24	Solid	Dash	1122
1.24	1.69	Dash	Dash	594
1.69	1.730	Dash	Solid	264
END Proj - West Haven				Sub Total 21,477
				Less T.R. Openings - HOEA - 3 Ea 120
ASSUME 50% LOST ON				21,357
LEVELING COURSE - 21,357 x 150% = 32,036				
4" YELLOW EST - 32,036 LF				

TEMPORARY 4" REFLECTORIZED WHITE LINE

2.809	4.43	SOLID	SOLID	17,118
TOWN LINE				
0.00	1.73	SOLID	SOLID	18,269
0.86	1.15	DASH	CLIMBING LANE, LT = 383 + 50% =	574
4" WHITE TOTAL				35,961

VPMP

GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS
IN CONSTRUCTION ZONES ON FEDERAL-AID PROJECTS

- 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.

SOLID LINE - (GORE AREAS TO INCLUDE CHANNELIZING LINE AND DASHED LINE)

PER STANDARD SHEET E-50.

EDGE LINES

WHERE 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.

- B. TEMPORARY MARKINGS MAY CONSIST OF PAINT, TAPE OR RAISED PAVEMENT MARKERS (RPM'S). THE TAPE SHALL BE A RETRO-REFLECTIVE FILM ON A CONFORMABLE METALIC 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. THE RPM'S SHALL HAVE A SELF-ADHESIVE BACKING EASILY REMOVED BEFORE PAVING AND SHALL CONFORM TO THE FOLLOWING LAYOUT PATTERN: TEMPORARY TAPE MARKINGS WILL BE OFFSET AND REMOVED WHEN PROJECT IS FINISHED AND FINAL CENTERLINE PAINTED.

NO PASSING BARRIER

NO RPM'S ALLOWED.

DASHED LINE

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

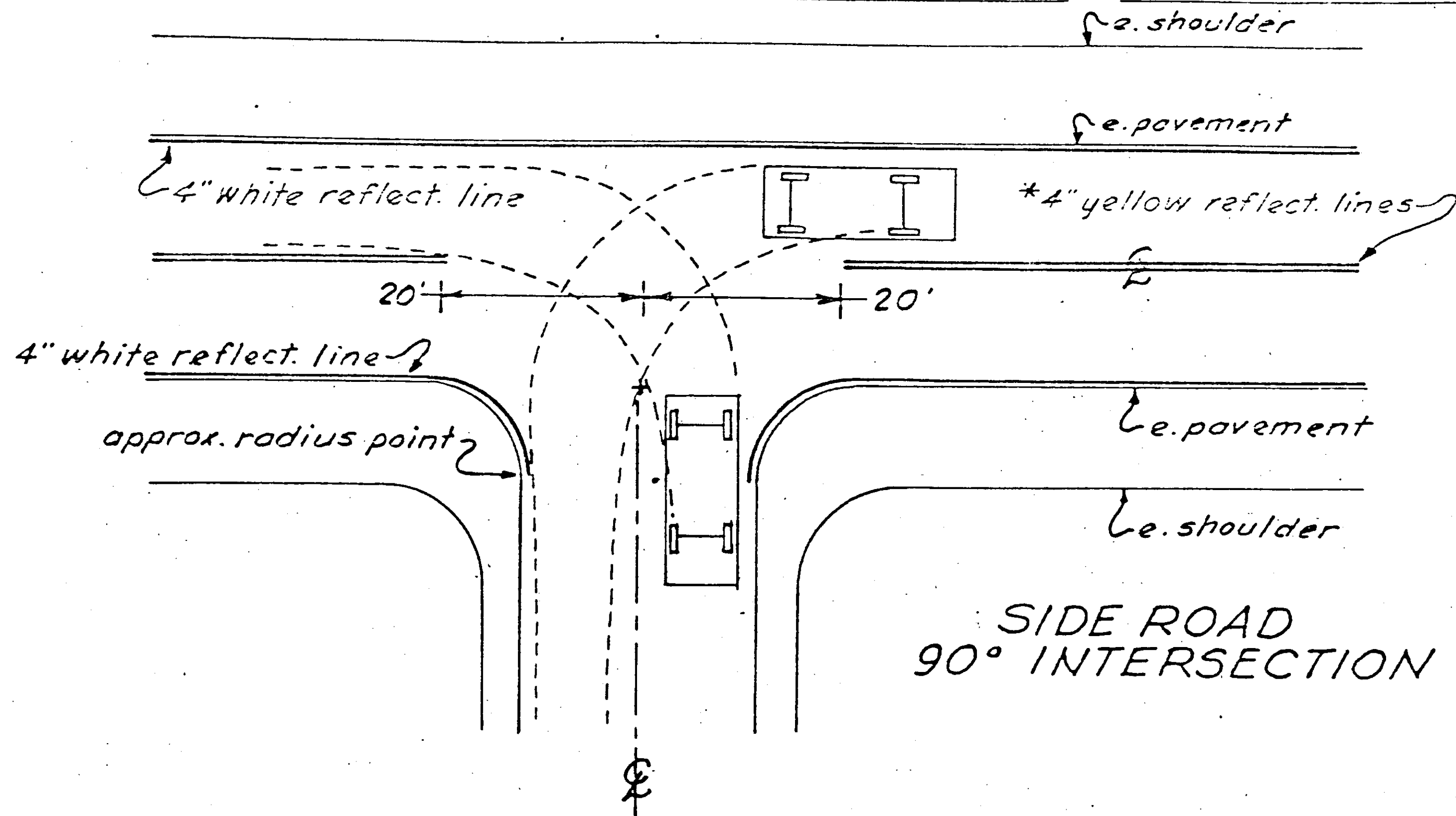
- C. WHEN PAINT IS USED FOR TEMPORARY MARKING, AN ALTERNATE MATERIAL SUCH AS TAPE OR RPM'S SHALL BE ON HAND IN THE EVENT RAIN PREVENTS THE PAINT APPLICATION FROM BEING COMPLETED. ALL PAINT SHALL BE REFLECTORIZED.
- D. PAYMENT FOR PAINT AND TAPE SHALL BE COMPUTED ON A LINEAR FOOT BASIS AS IF PAINT WAS 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).
- E. PRIOR TO ACCEPTANCE, THE PAVEMENT MARKINGS SHALL BE COMPLETED FOR THE ENTIRE PROJECT BY THE CONTRACTOR AS DETAILED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

REVISED

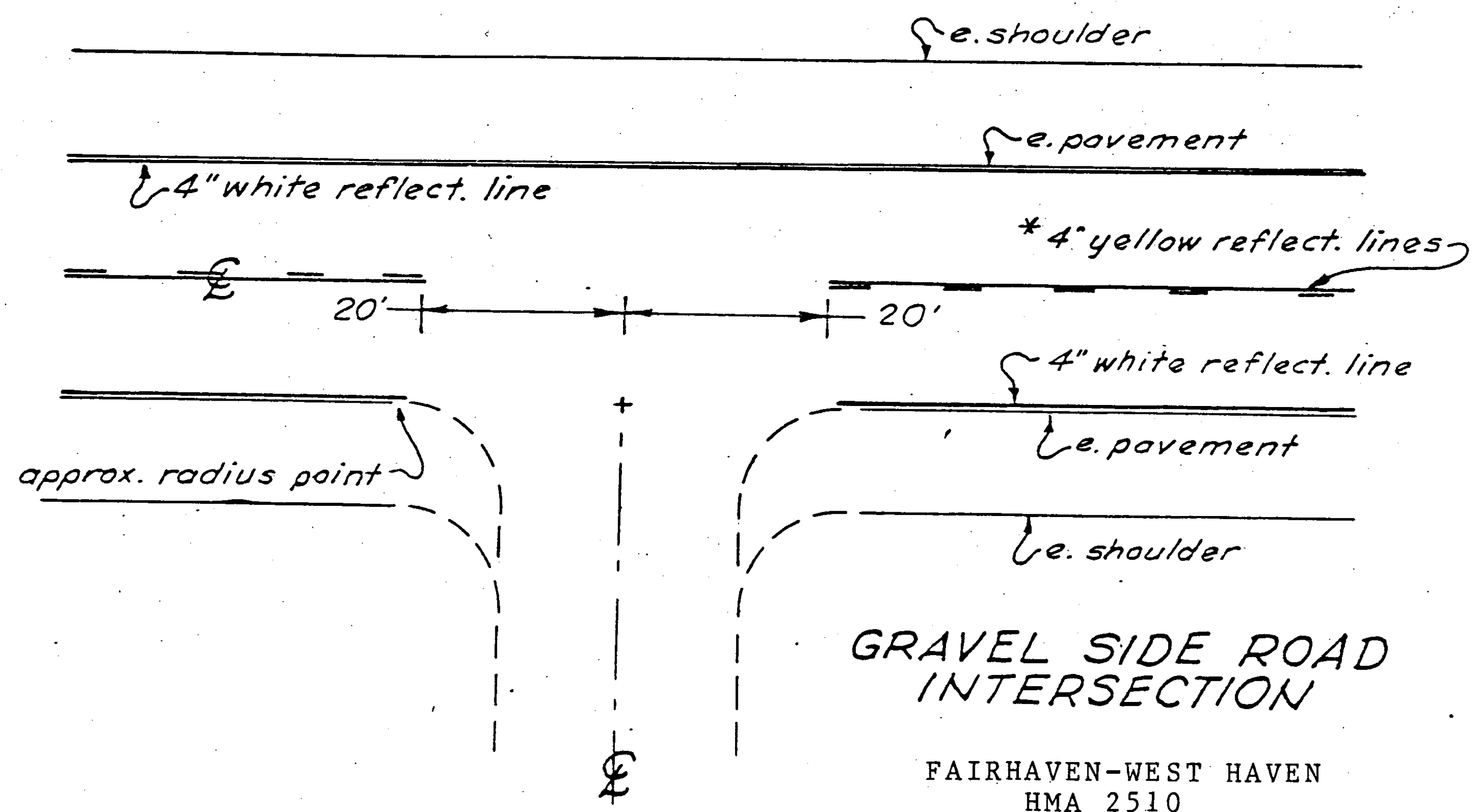
FAIRHAVEN-WEST HAVEN
HMA 2510

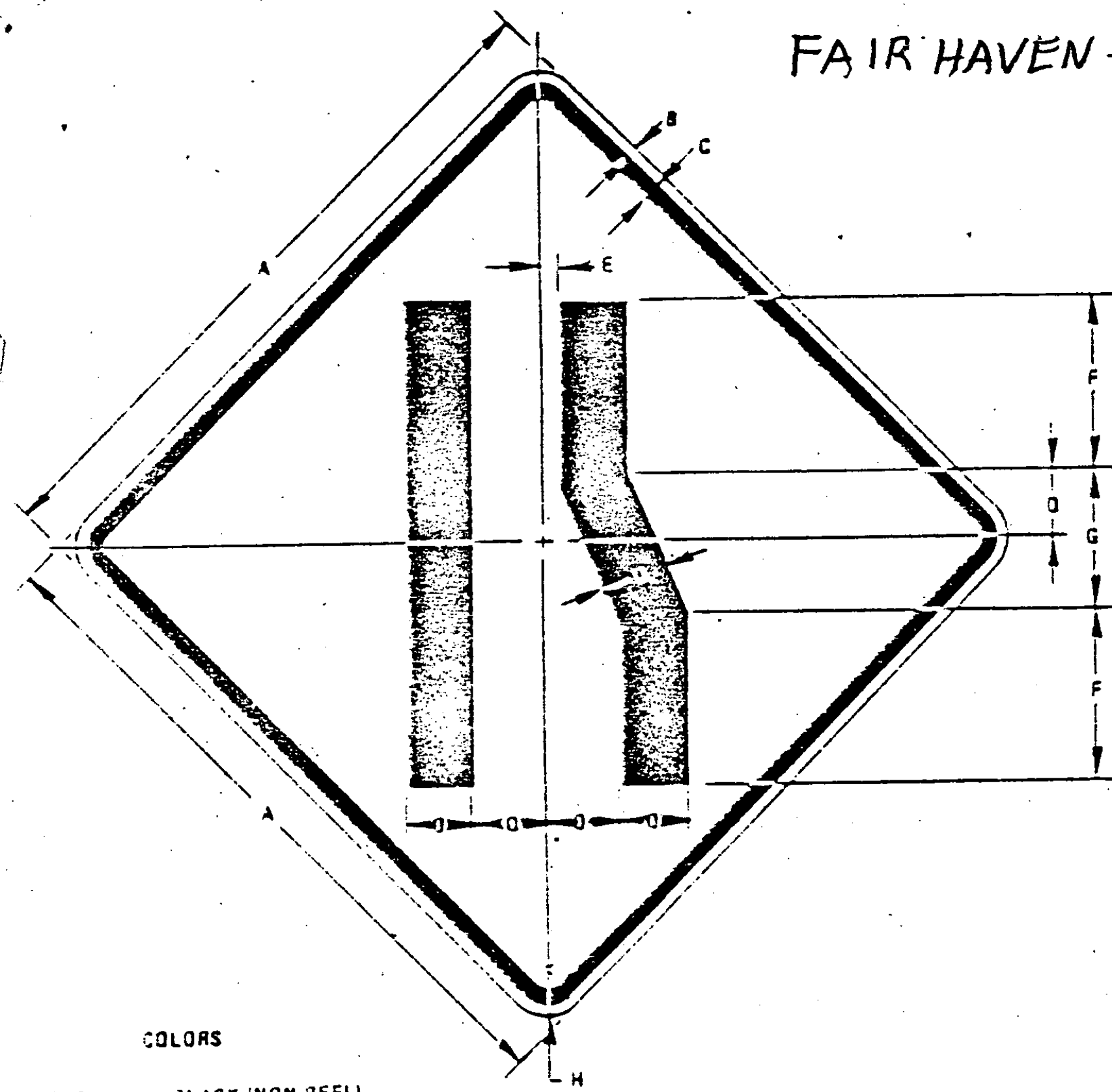
12/22/83
04/04/84

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* 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.





NOTE: ALL NEW SIGNS INSTALLED ON THIS PROJECT SHALL BE STAMPED ON THE BACK WITH VAOT, MONTH AND YEAR OF SIGN FABRICATION AND ROUTE WHERE SIGN IS INSTALLED. THE LETTERS AND NUMBERS SHALL BE 1" AND 1/2 ± THE SIGN MATERIAL THICKNESS. (MAX. - 1/8") ALL MATERIAL SHALL BE AS SPECIFIED UNDER SECTION - 675-675 - TRAFFIC SIGNS

SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	H
STD. & EXPWY.	38	5/8	7/8	4	1	10	8	2-1/4

INSTALL NEW, W4-2, 36" SIGN ON NEW 16' x 3 LBS. TYPE A POST, LT AT M/M 0.90 WEST HAVEN

ITEM 675.20 - TRAFFIC SIGN TYPEA - 9.0 SF

ITEM 675.35 TYPEA POST - 48 LBS

REMOVE EXISTING W-4-2 SIGN & POST AT M/M 0.77 LT, WEST HAVEN.

ITEM 675.51 - REMOVEING SIGNS - 9.0 SF

NOTES: REMOVAL OF POSTS TO BE SUBSIDIARY TO SIGN REMOVAL.

ALL REMOVED SIGNS WILL BECOME PROPERTY OF THE STATE. COMPONENTS WILL BE STOCKPILED IN AN ACCESSIBLE LOCATION FOR PICK-UP BY DISTRICT FORCES.

IN AREAS WHERE LEDGE ROCK IS ENCOUNTERED, STEEL POSTS WILL BE SET AND GROUTED 12" DEEP IN LEDGE. PAYMENT FOR SETTING POST & SIGN SHALL BE CONSIDERED AS BEING INCLUDED IN UNIT PRICES WITH POST ITEM 675.35.

