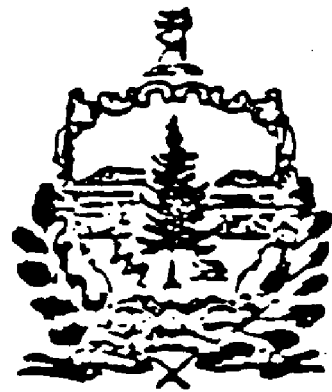


STATE OF VERMONT
 AGENCY OF TRANSPORTATION

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

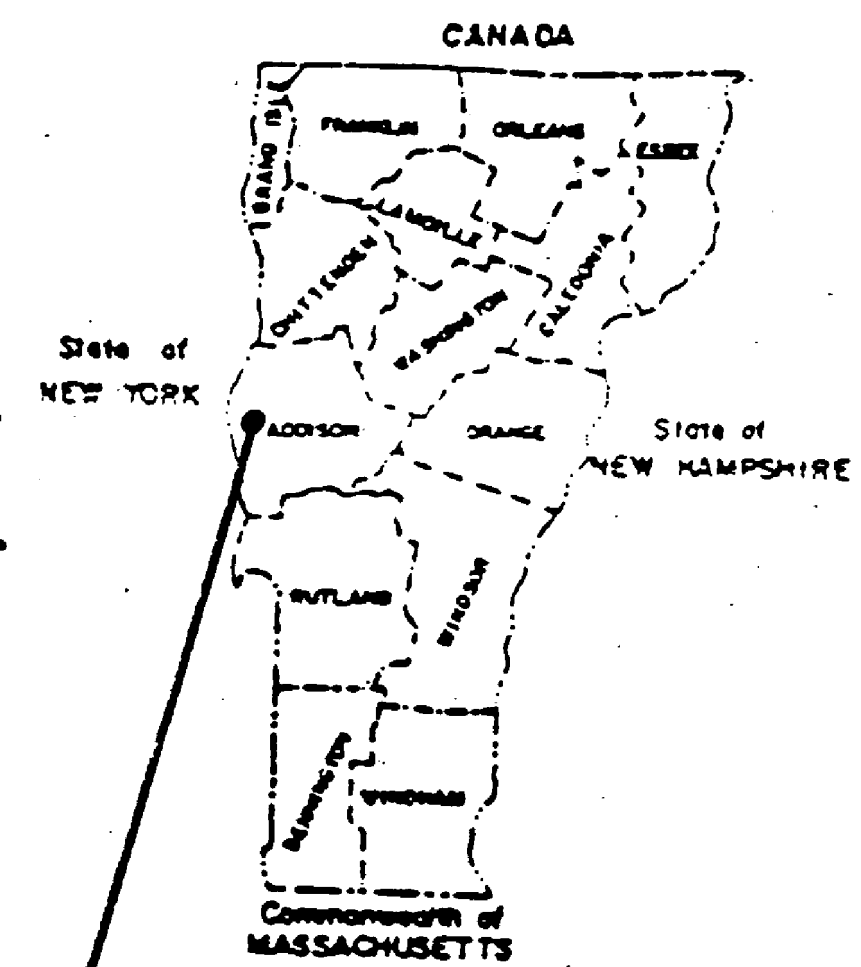
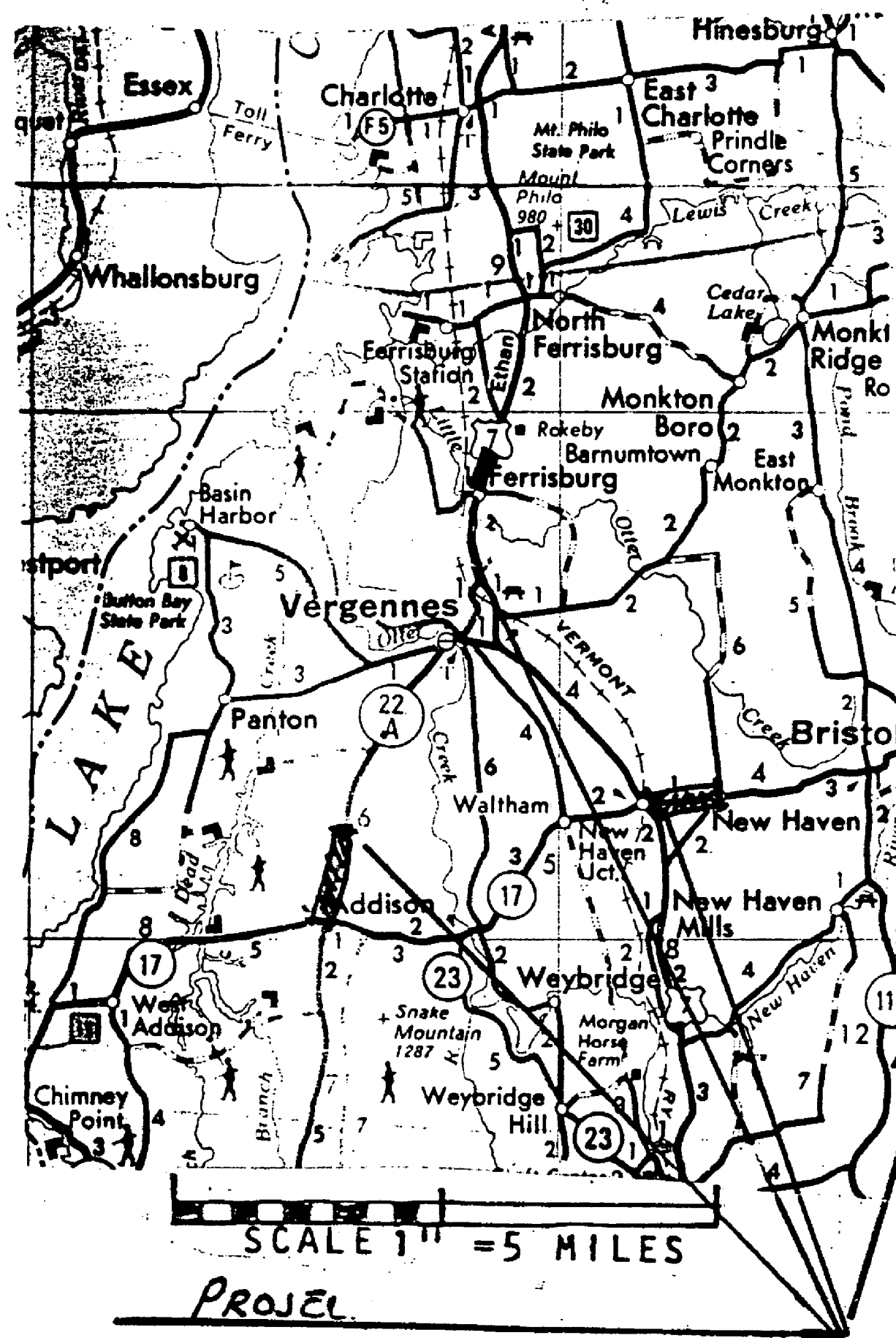


CONTRACT PLANS
 THESE PLANS DO NOT REFLECT
 CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

Anna Ciampolo
 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



PROJECT PROCESSED UNDER
 SECONDARY ROAD PLAN

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 *Frank N. Smith* DATE MAR 14 1985
 DIRECTOR OF ENGINEERING AND CONSTRUCTION
 DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 APPROVED _____ DATE _____
 DIVISION ADMINISTRATOR
 PROJECT NO. F032-1(4)5 HMA 2622, HMA 2623

SEE SHEET 2 FOR INDEX

SHEET 1 OF 18 SHEETS

INDEX OF SHEETS

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| 1 | TITLE SHEET |
| 2-2A | INDEX OF SHEETS |
| 3 | BLANK |
| 4-4A | COMPOSITE QUANTITY SHEET |
| 5 | GUIDELINES FOR MINIMUM PAVEMENT MARKINGS |
| 6 | PAVEMENT MARKINGS AT INTERSECTING SIDE ROADS |
| 7 | PAVEMENT TERMINUS |
| FERRISBURG HMA 2622 | |
| 8 | PROJECT LOCATION AND DESCRIPTION |
| 9 | TYPICAL SECTIONS AND DESIGN DATA |
| 10-10A | PROJECT LENGTHS AND ITEM QUANTITIES |
| 11 | CENTERLINE DETAILS |
| NEW HAVEN F032-1(4)S | |
| 12 | PROJECT LOCATION AND DESCRIPTION |
| 13 | TYPICAL SECTIONS AND DESIGN DATA |
| 14-14A | PROJECT LENGTHS AND ITEM QUANTITIES |
| 15 | CENTERLINE DETAILS |
| 16 | STOP BAR DETAILS |
| 17 | BLANK |

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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| 19 | TYPICAL SECTIONS AND DESIGN DATA | |
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| 23 | STANDARD SHEET E-4 | 3-4-81R |
| 24 | STANDARD SHEET E-6 | 4-1-80R |
| 25 | STANDARD SHEET E-8 | 6-15-83R |
| 26 | STANDARD SHEET E-12 | 12-3-82R |
| 26A | STANDARD SHEET E-19 | 10-3-84 |
| 27 | STANDARD SHEET E-24A | 1-8-81R |
| 27A | STANDARD SHEET E-29 | 8-25-81R |
| 28 | STANDARD SHEET E-50 | 3-16-82R |

PROJECT FERRISBURG-NEW HAVEN-ADDISON

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

SHEET 2A OF 28 SHEETS

REMOVING SIGNS
 TRAFFIC SIGN POSTS, TYPE A
 TRAFFIC SIGNS, TYPE A
 TRAFFIC LETTER IN WORD MARKING
 DURABLE 24" STOP BAR
 DURABLE LETTER IN WORD MARKING
 DURABLE 24" STOP BAR
 DURABLE LETTER IN WORD MARKING
 DURABLE 24" STOP BAR
 DURABLE LETTER IN WORD MARKING

REMA

ITEM DESCRIPTION

ITEM NUMBER

| UNIT | FEET | FT | LF | EA | SF | LB | SF | | | | | | | | | | | | |
|------------|------|----|----|----|------|----|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Ferrisburg | | | | 6 | | | | | | | | | | | | | | | |
| NEW HAVEN | | | 15 | 21 | 15.2 | 96 | 15.2 | | | | | | | | | | | | |
| TOTAL | | | 15 | 27 | 15.2 | 96 | 15.2 | | | | | | | | | | | | |

675.31

675.20

646.66

646.64

675.35

TOTAL

HMA 2622, HMA 2623

PROJECT FERRISBURG-NEW HAVEN-ADDISION NUMBER FO32-1(4)S SHEET 4A OF

- 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 FERRISBURG FO 22-1(4)S
ADDISON HMA 2623

SHEET 5 OF 28

SIDE ROAD

e. shoulder

e. pavement

4" white reflect. line *4" yellow reflect. lines

20' 20'

4" white reflect. line

approx. radius point

e. pavement

e. shoulder

SIDE ROAD 90° INTERSECTION

* 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

4" white reflect. line

* 4" yellow reflect. lines

20' 20'

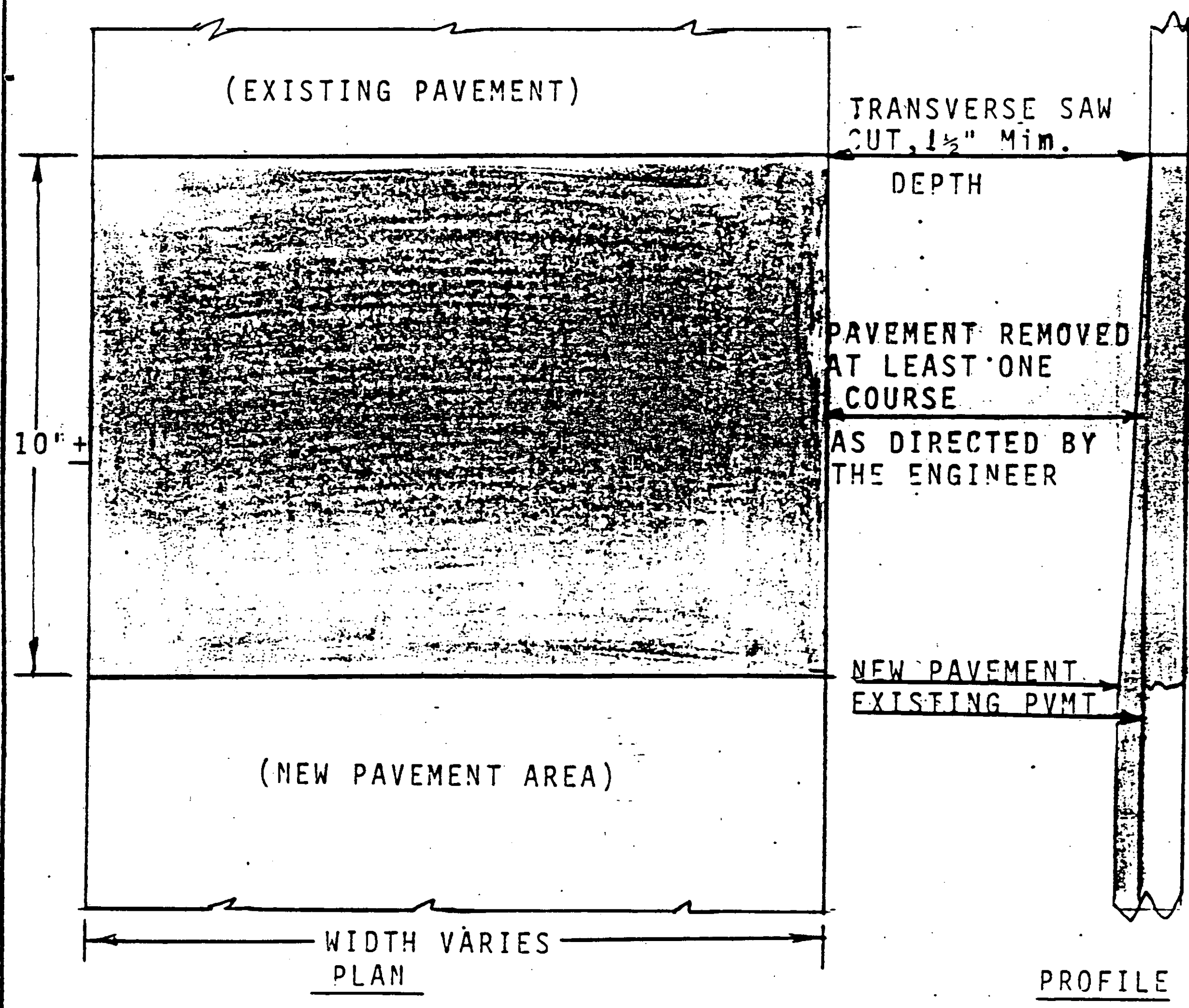
4" white reflect. line

approx. radius point

e. pavement

e. shoulder

GRAVEL SIDE ROAD INTERSECTION

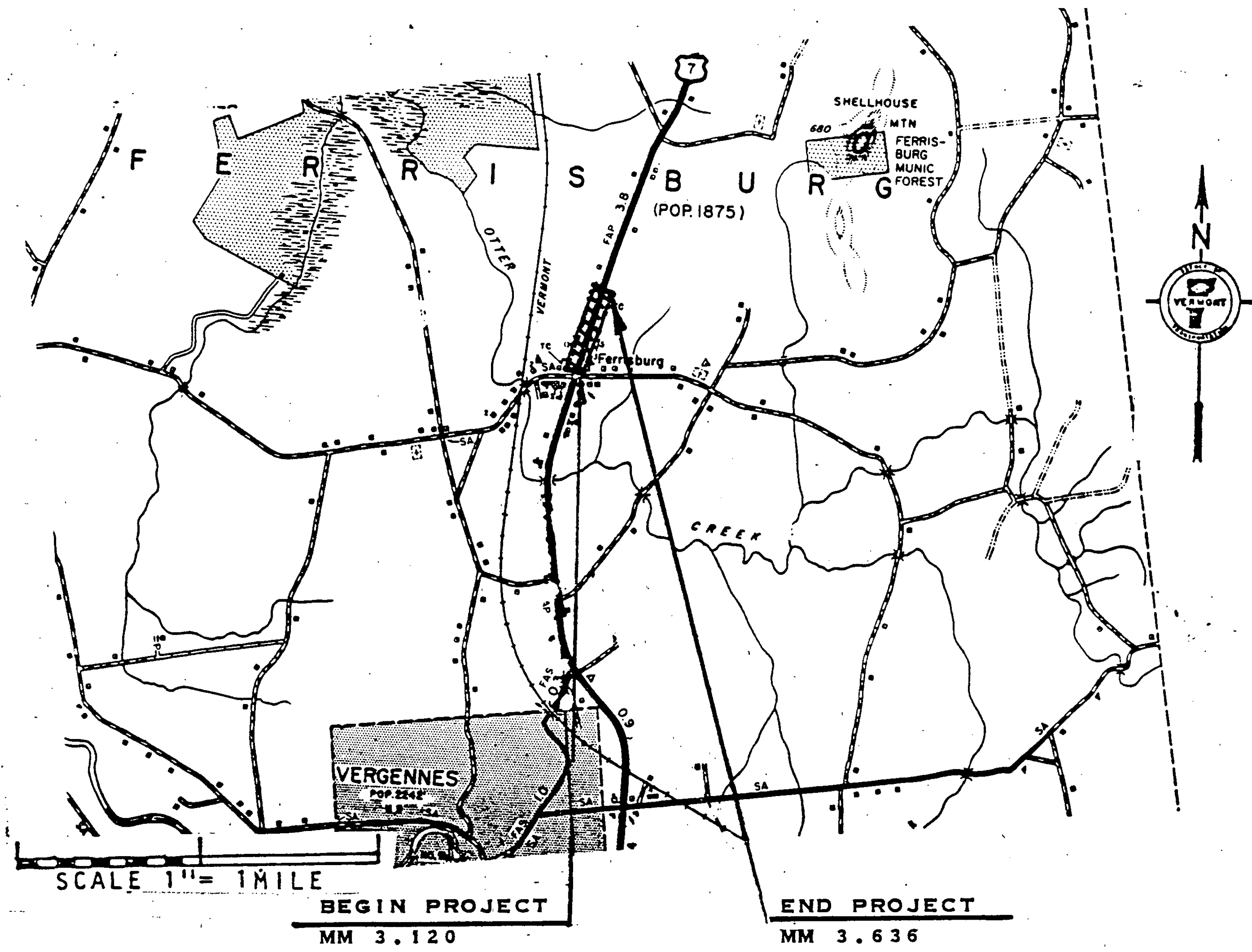


PAVEMENT MAY BE LAID, WITH APPROVAL OF THE ENGINEER, IN ONE COURSE TERMINUS WILL BE FLUSH WITH EXISTING PAVEMENT AND WILL BE CROSS ROLLED.

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

NOT TO SCALE

| | |
|--|---|
| <p>FERRISBURG PROJECT NEW HAVEN, ADDISON</p> | <p>HMA 2622 NO. F032-1(2)S 4M-2622 SHEET 7 OF 28 SHEETS</p> |
|--|---|



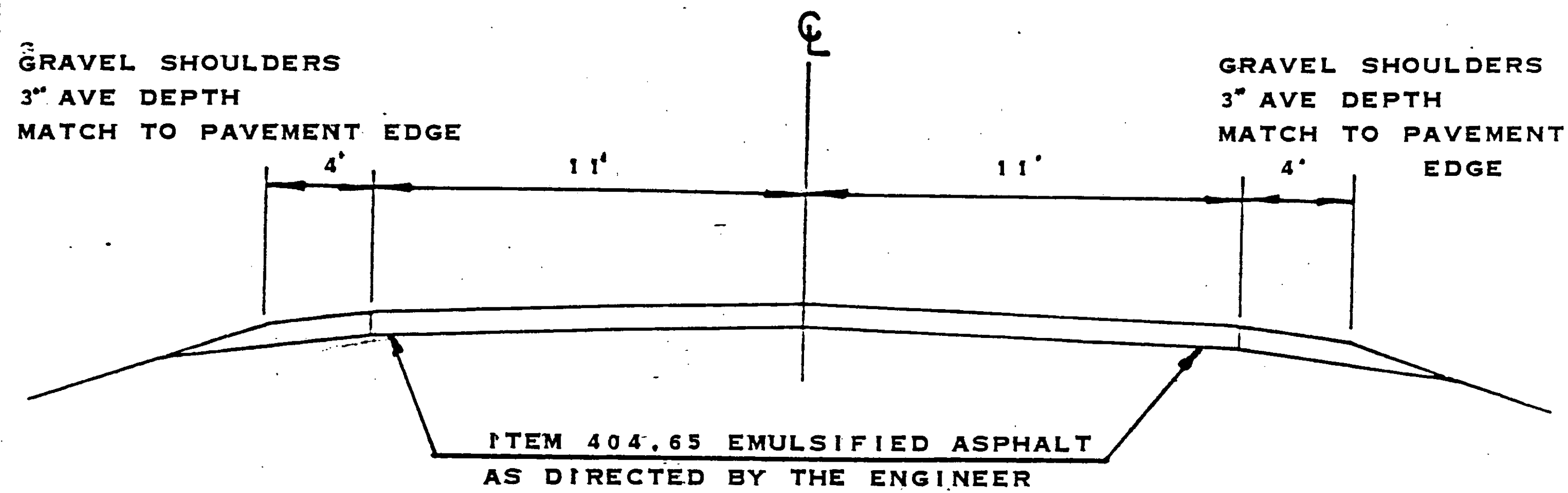
US 7- 1 IN THE TOWN OF FERRISBURG BEGINNING AT MM 3.120 AND EXTENDING
0.516 MILES NORTHERLY TO MM3.636

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

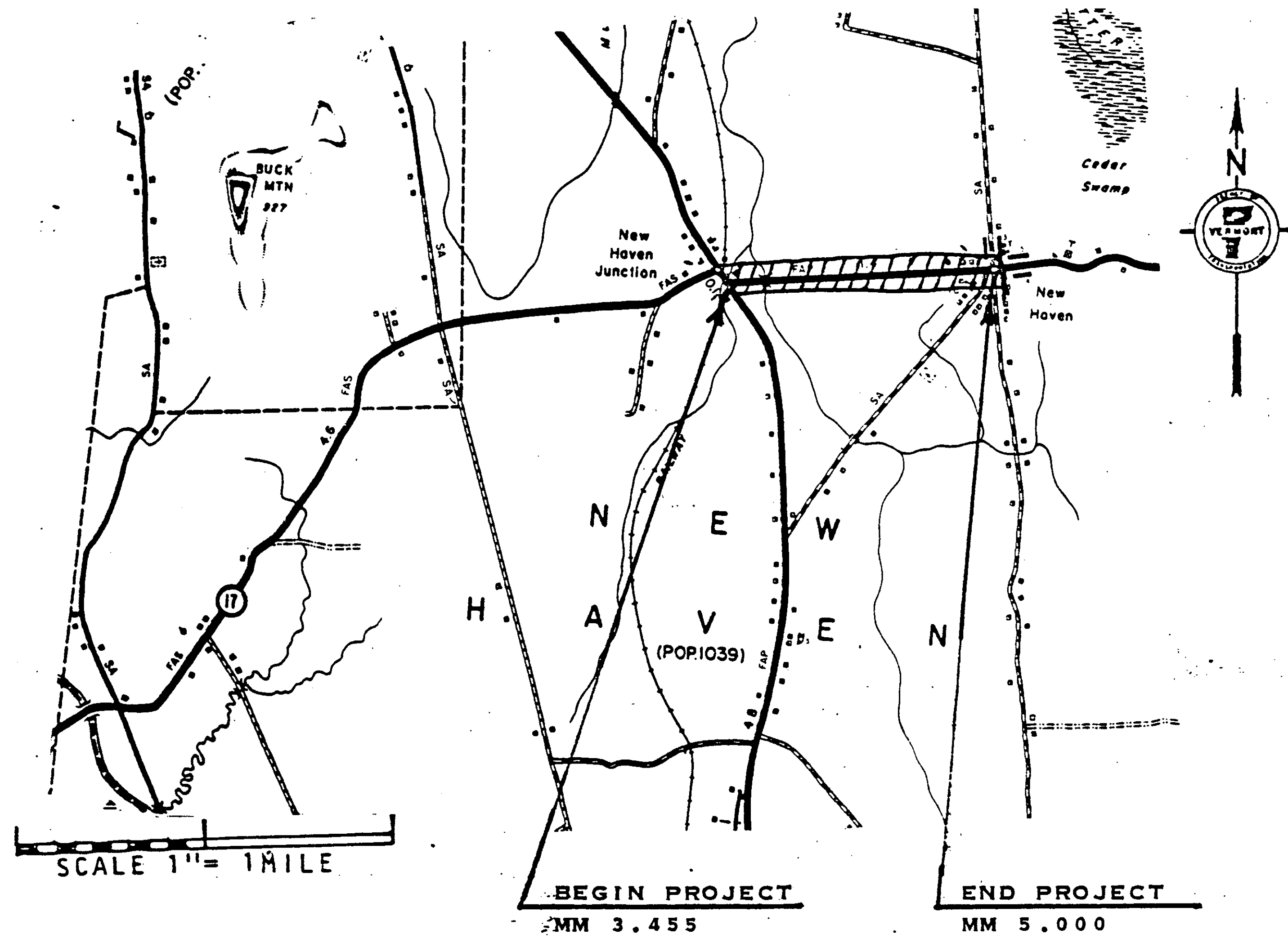


1982 ADT 7490
V 50

PROJECT FERRISBURG

NO. HMA 2622

SHEET 9 OF 28 SHEETS



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

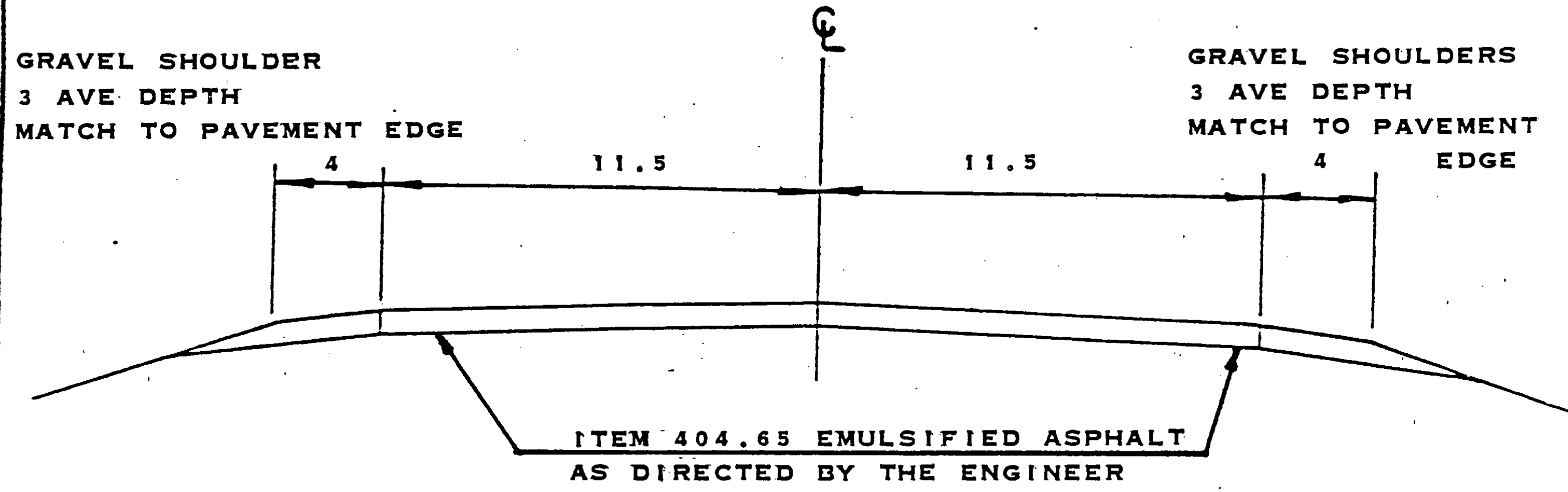
LENGTH OF PROJECT
 1.545 MILES
 8158 FEET

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

TEMPORARY 4" REFLECTORIZED YELLOW LINE

| MILE | MILE | LT | RT | QUANTIEY LT | QUANTIEY ϕ | 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 | 8,976 |
| ASSUME 80% ϕ IS LOST DURING SHIMMING | | | | | | | 11,708 |
| - 3TH AT 40X2 | | | | | | | 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 |

| | | | | | | | |
|--|------|----|------------|--|------|------|---------------|
| 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 |

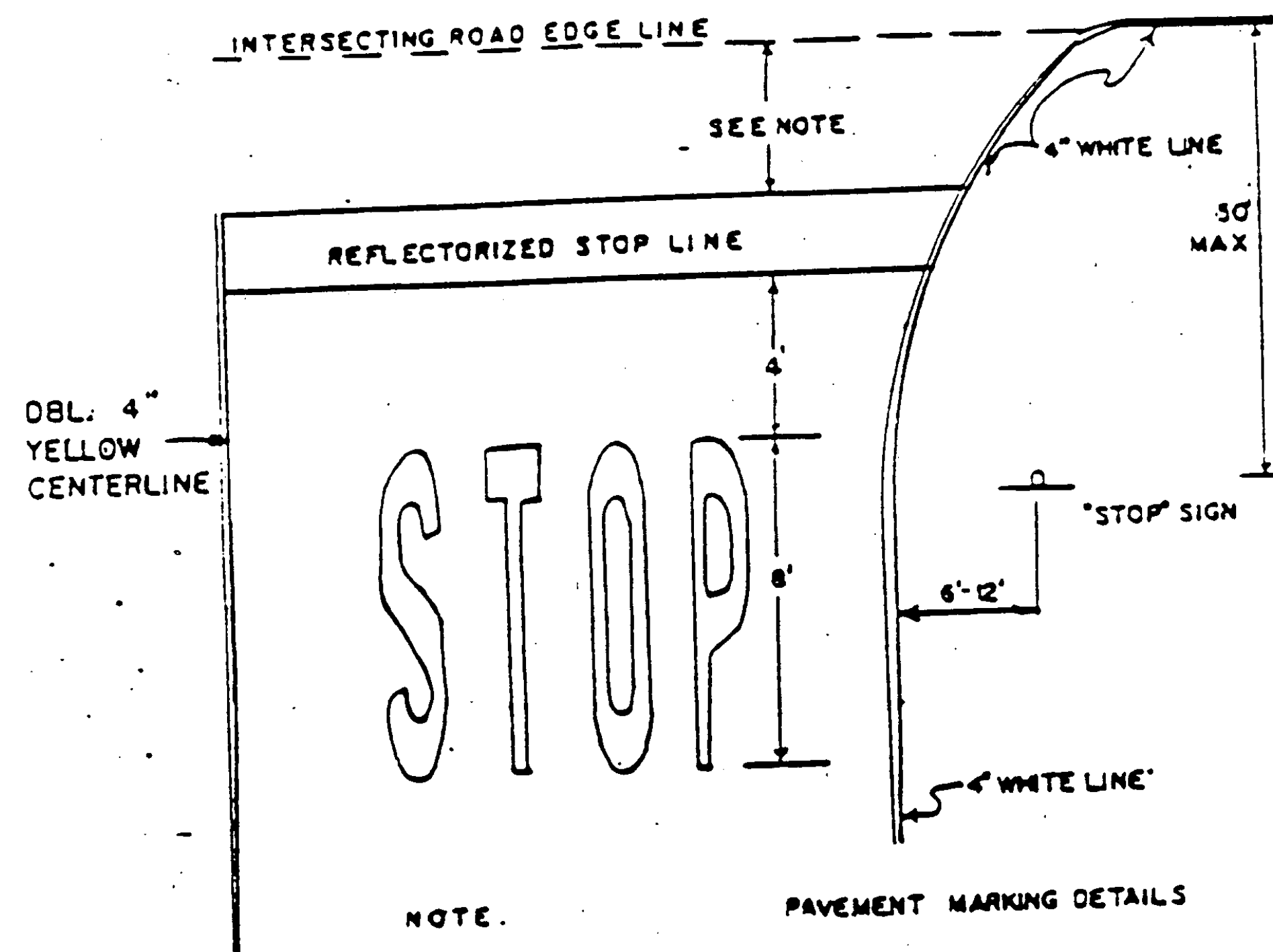
| | | | | | | | |
|--|------|----|-----------------|--|--------|--|--------|
| ITEM 675.35 - TRAFFIC SIGM POSTS, Type A | | | | | | | |
| See STD E-24A | | | | | | | |
| M/M | 3.61 | LT | 16 3/16 FT. | | 48 lb | | |
| m m | 3.57 | LT | 16 3/16 FT. | | 48 lb | | 96 lbs |
| M/M | 3.57 | LT | 21" X 15" [SCT] | | 2.2 SF | | |
| | | | 24" X 24" (D) | | 4 SF | | |

TEMPORARY 4" REFLECTORIZED WHITE LINE

| | | | | | | | |
|-------|------|-------|-------|-------|-------|--|--------|
| 3.455 | 5.00 | SOLID | SOLID | 8,158 | 8,158 | | 16,316 |
|-------|------|-------|-------|-------|-------|--|--------|

STOP BAR DETAILS

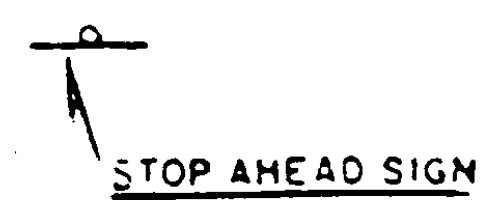
13.



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.

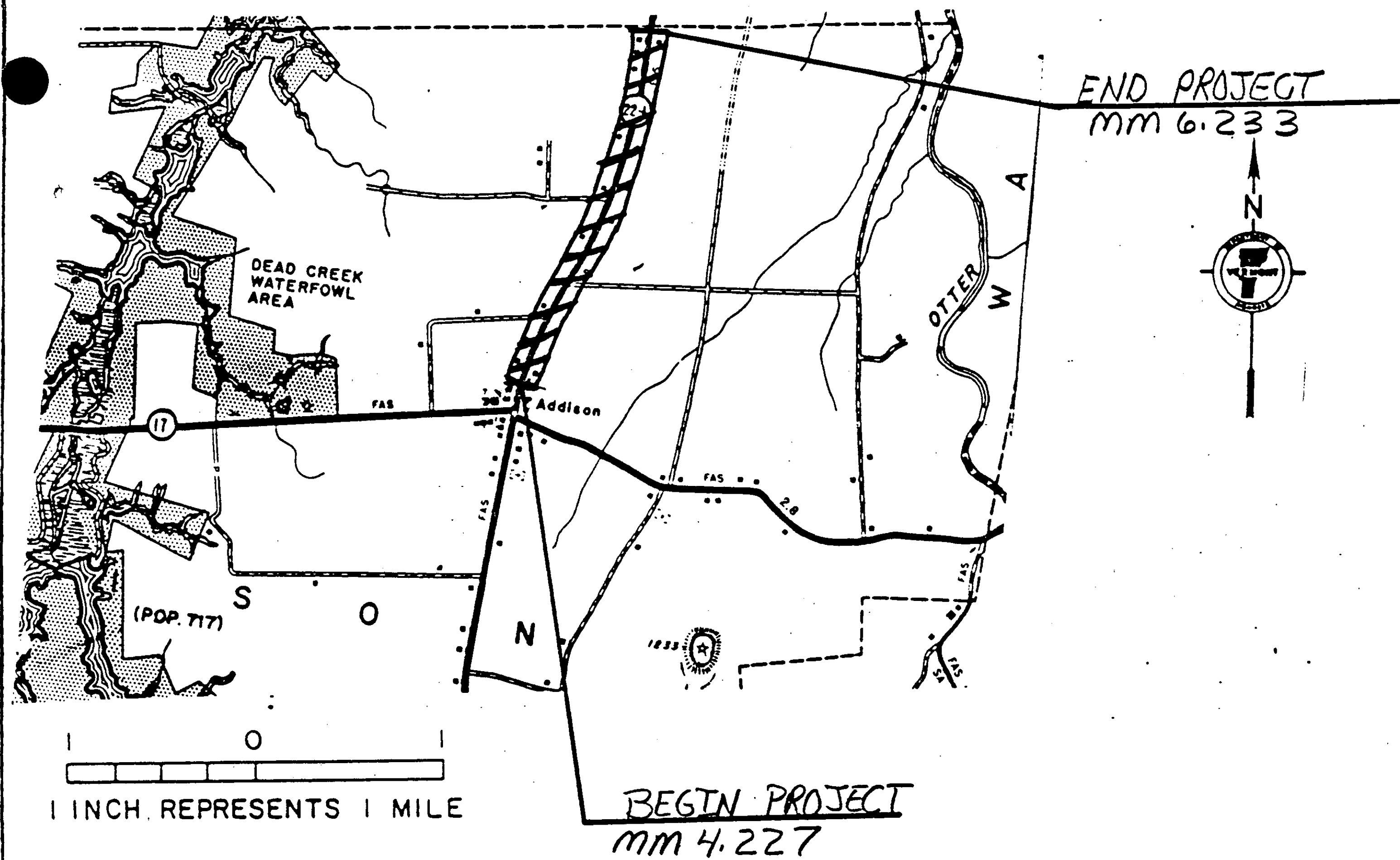


STOP

NEW HAVEN
FO32-1(4)S

SHEET 16 OF 23

PROJECT DESCRIPTION AND LOCATION



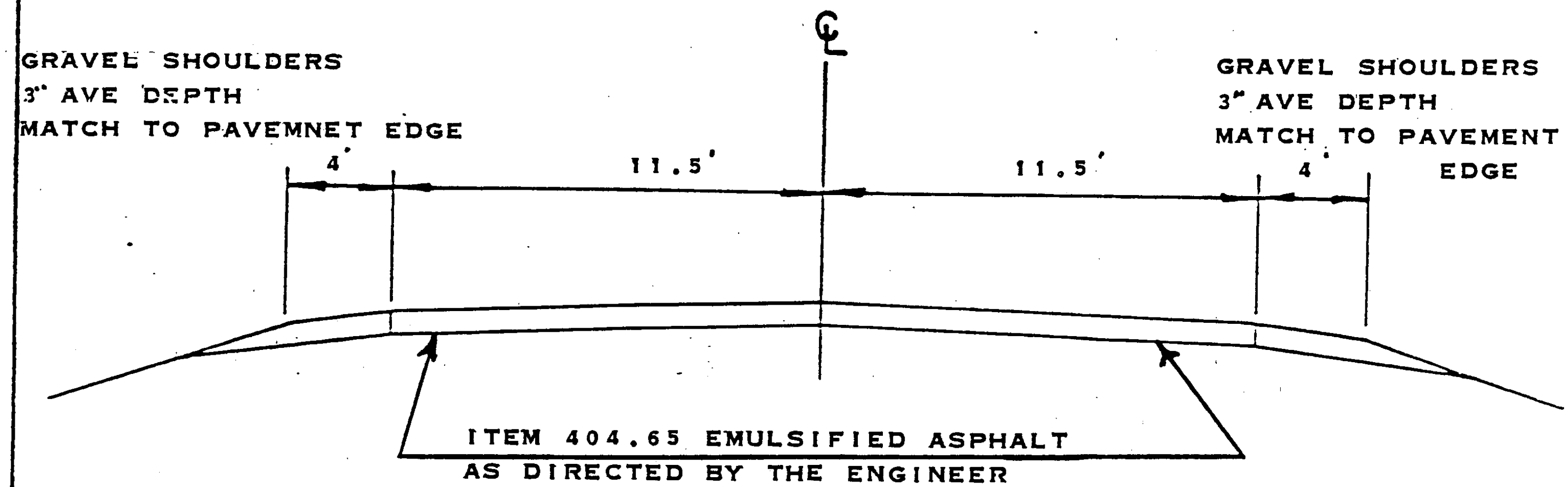
VT. 22A IN THE TOWN OF ADDISON BEGINNING
 AT MM 4.227 AND EXTENDING 2.006 MILES
 NORTHERLY TO MM 6.233

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)³
AS DIRECTED BY THE ENGINEER
1" WEARING COURSE TYPE IV (± 1/4")



1982 ADT 2570
V 50

PROJECT ADDISON

NO. HMA 2623

SHEET 19 OF 28 SHEETS

