

STATE OF VERMONT

AGENCY OF TRANSPORTATION

Date

JAN 25 1988

F.W. Whitcomb CONSTRUCTION CORPORATION
Contractor

[Signature]

Signature

President

Title

[Signature]
Transportation Secretary's Signature

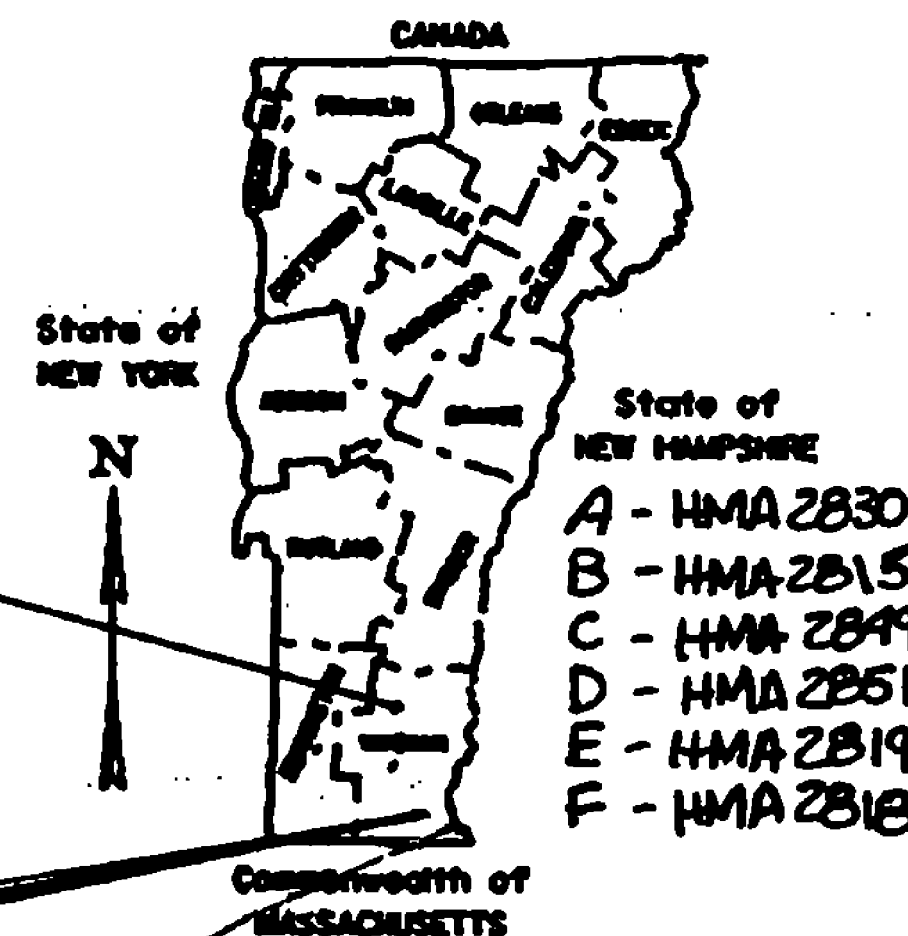
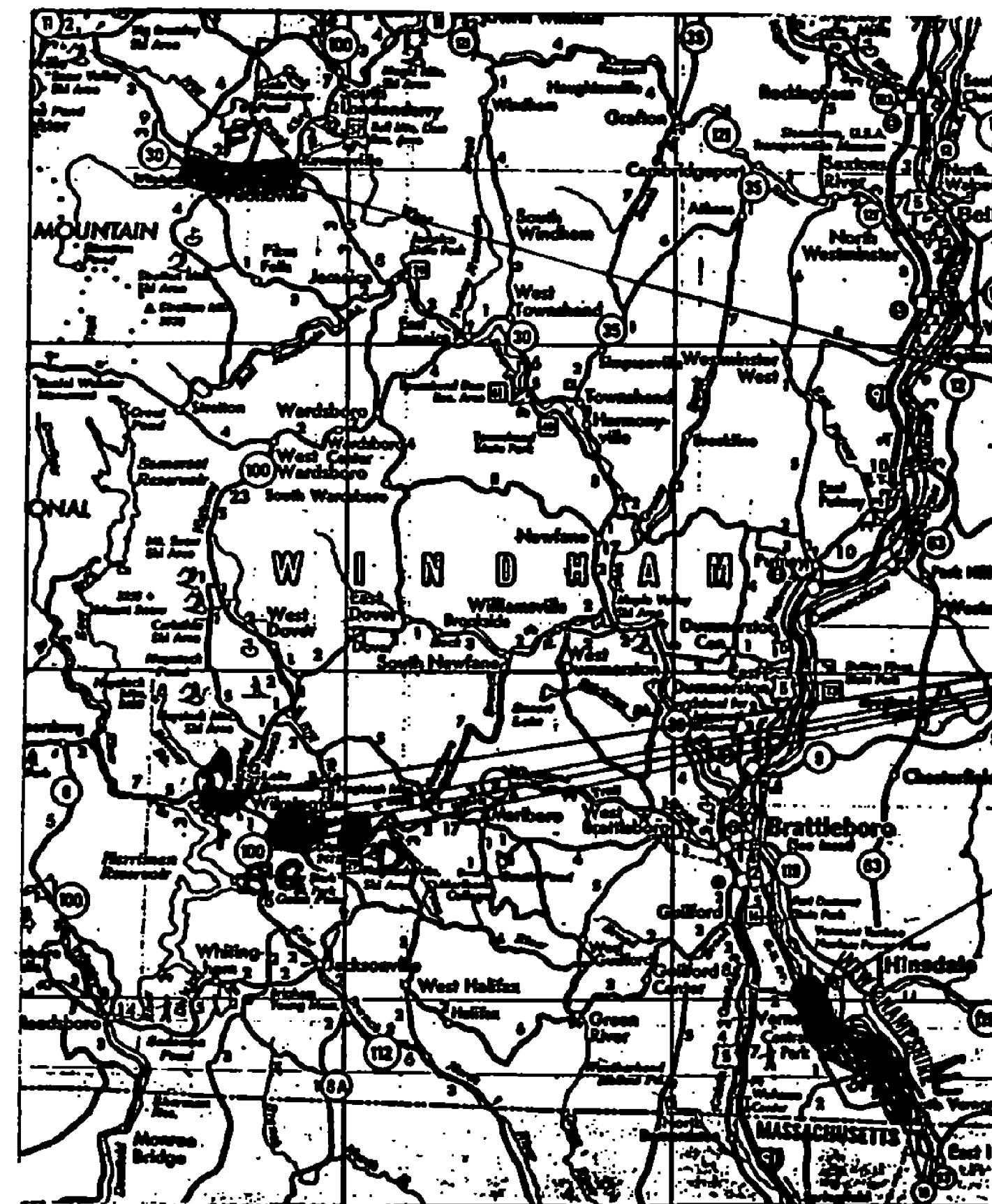
PROPOSED IMPROVEMENT

TOWN OF JAMAICA, MARLBORO, VERNON, WILMINGTON,
WINHALL

COUNTY OF BENNINGTON, WINDHAM

ROUTE NO. VT. RTS. 9, 30, & 142

ROUTE CLASS (F.A.P.-VT. 9, 30) (F.A.S. VT. 142)



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 3, 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 8/25/87
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA # DIST. #2 PAVING

SHEET 1 OF 64 SHEETS

FOR INDEX OF SHEETS, SEE SHEET 2

INDEX OF SHEETS

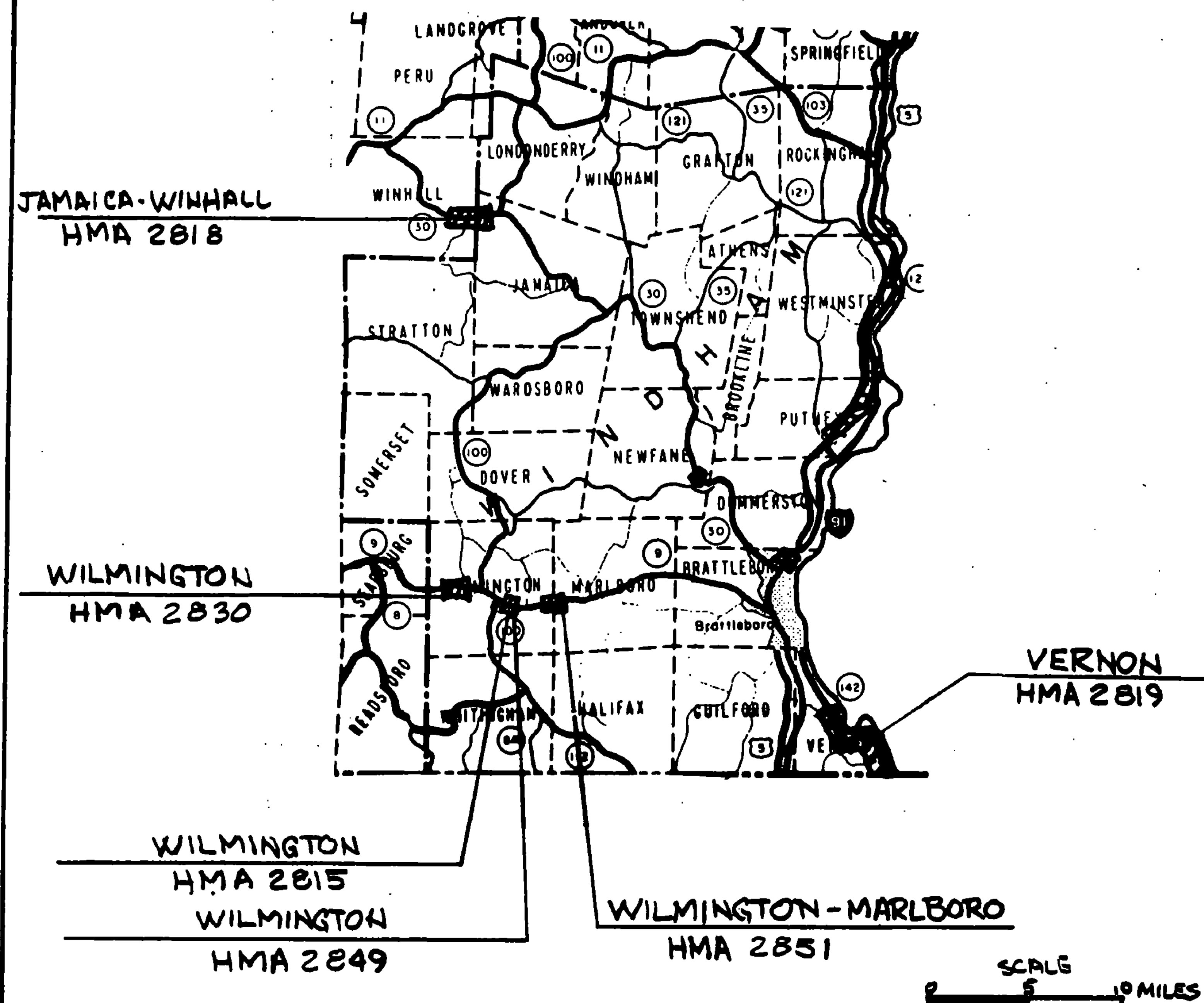
1. COMPOSITE TITLE SHEET
2. COMPOSITE INDEX OF SHEETS
3. COMPOSITE PROJECT LOCATION SHEET
- 4.5 COMPOSITE PROJECT QUANTITY SHEETS
6. PAVING LIMITS FOR TOWN ROADS & DRIVES
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19. BLANK
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- 37.-42. PROJECT WILMINGTON HMA 2815
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58. E-2 ROAD CONSTRUCTION APPROACH SIGNS
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61. E-7A BARRICADE DETAILS - BREAK AWAY
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64. E-50 PAVEMENT MARKING DETAILS

PROJECT 1987 DISTRICT 2 PAVING

NO. HMA PROJECTS

SHT. 2 OF 64 SHTS.

DESCRIPTION AND LOCATION



OVERLAY						
PROJECT	DEPTH	BEGIN	END	LENGTH (FT)	LENGTH (MI)	
JAMAICA-WINHALL HMA 2818	1 1/4"	JAMAICA 2.825	WINHALL 2.096	16030.080	3.036	
VERNON HMA 2819	1 1/4"	0.000	6.800	35904.000	6.800	
WILMINGTON HMA 2830	1 1/4"	1.270	1.978	3738.24	0.708	
WILMINGTON HMA 2815	1 1/4"	4.283	4.500	1145.76	0.217	
WILMINGTON HMA 2849	1 1/4"	4.500	5.157	3468.960	0.657	
WILMINGTON-MARLBORO HMA 2851	1 1/4"	WILMINGTON 7.118	MARLBORO 6.870	3315.840	0.628	
TOTALS				63,602.88	12.046	

PROJECT 1987 DIST. 2 PAVING

NO. HMA PAVING

SHEET 3 OF 64 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION

AGGREGATE SHOULDERS
EMULSIFIED ASPHALT
BITUMINOUS CONCRETE PAVEMENT
CHANGING ELEV. OF C.B., D.I., OR M.H.
POWER GRADER RENTAL
ALL PURPOSE EXCAVATOR RENTAL
POWER BROOM RENTAL
TRUCK RENTAL
DURABLE 8" WHITE LINE
UNIFORMED TRAFFIC OFFICERS
FLAG PERSONS
MOBILIZATION
DURABLE 4" WHITE LINE
DURABLE 4" YELLOW LINE
TOPSOIL

ITEM NO	402.12	404.65	406.25	604.40	608.15	608.25	608.30	608.37	646.34	630.10	630.15	635.10	646.30	646.31	651.35
UNIT	TON	CWT	TON	EA.	HR.	HR.	HR.	HR.	LF.	HR.	HR.	LS	LF.	LF.	CY.
LOCATION															
JAMAICA - WINDALL															
HMA 2818	60	61	4175	4	5	5	35	5	-	350	350	0.223	~~3800~~	~~3150~~	10
VERNON															
HMA 2819	800	130	11750	-	25	20	60	20	60	1000	1000	0.592	~~7100~~	~~6900~~	10
WILMINGTON															
HMA 2830	50	15	1150	-	15	5	6	5	-	100	100	0.060	~~7400~~	~~7440~~	5
WILMINGTON															
HMA 2815	25	4	320	-	-	-	2	-	-	30	30	0.017	~~2000~~	~~2300~~	5
WILMINGTON															
HMA 2849	45	13	1050	-	-	-	7	-	-	100	100	0.054	~~6850~~	~~6890~~	5
WILMINGTON - MARLTON															
HMA 2851	50	16	1040	-	-	-	6	-	-	100	100	0.054	~~6690~~	~~6480~~	5
TOTALS	1030	239	19485	4	45	30	116	30	60	1680	1680	1	~~12720~~	~~11555~~	40

PROJECT 1987 DIST. 2 PAVING

NO. HMA'S

SHEET 4 OF 64

Changed by Larry Wheeler 11/18/87

PROJECT LENGTHS AND ITEM QUANTITIES									
ITEM NO	UNIT	LOCATION	ITEM DESCRIPTION						
			DURABLE 24" STOP BAR DURABLE ARROW MARKINGS DURABLE LETTER - IN WORD MARKINGS DURABLE RAILROAD CROSSING SYMBOL TEMPORARY 4" WHITE LINE TEMPORARY 4" YELLOW LINE TEMPORARY 24" STOP BAR TEMPORARY ARROW MARKING						
646.40	LF.	646.42	EA.	646.44	EA.	646.48	EA.	646.50	LF
646.51	LF	646.60	LF	646.62	EA.				
JAMAKA - VINHALL									
HMA 2818	24		12			32060	63150		
VERNON									
HMA 2819	36		8	2	71820	127800			
WILMINGTON									
HMA 2830	-				7480	14880			
WILMINGTON									
HMA 2815	-				2300	4590			
WILMINGTON									
HMA 2849	-				6950	13720			
WILMINGTON MARLBOROUGH									
HMA 2851	-				6640	12950			
TOTALS	60		20	2	127230	231070			

PROJECT 1987 DIST. 2 PAVING

NO. HMA'S

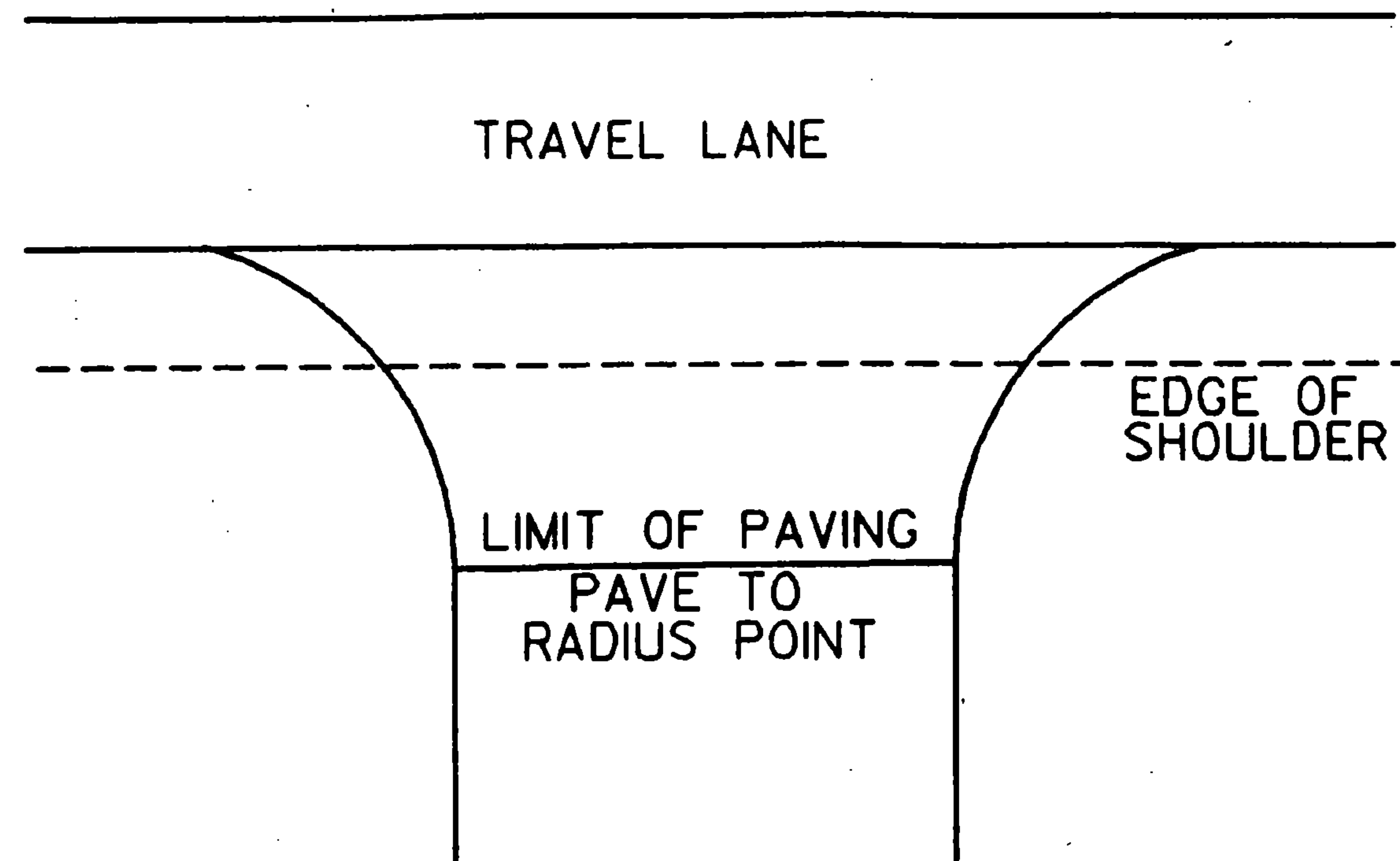
SHEET 5 OF 64

Changed by Larry Wheeler 11/18/87

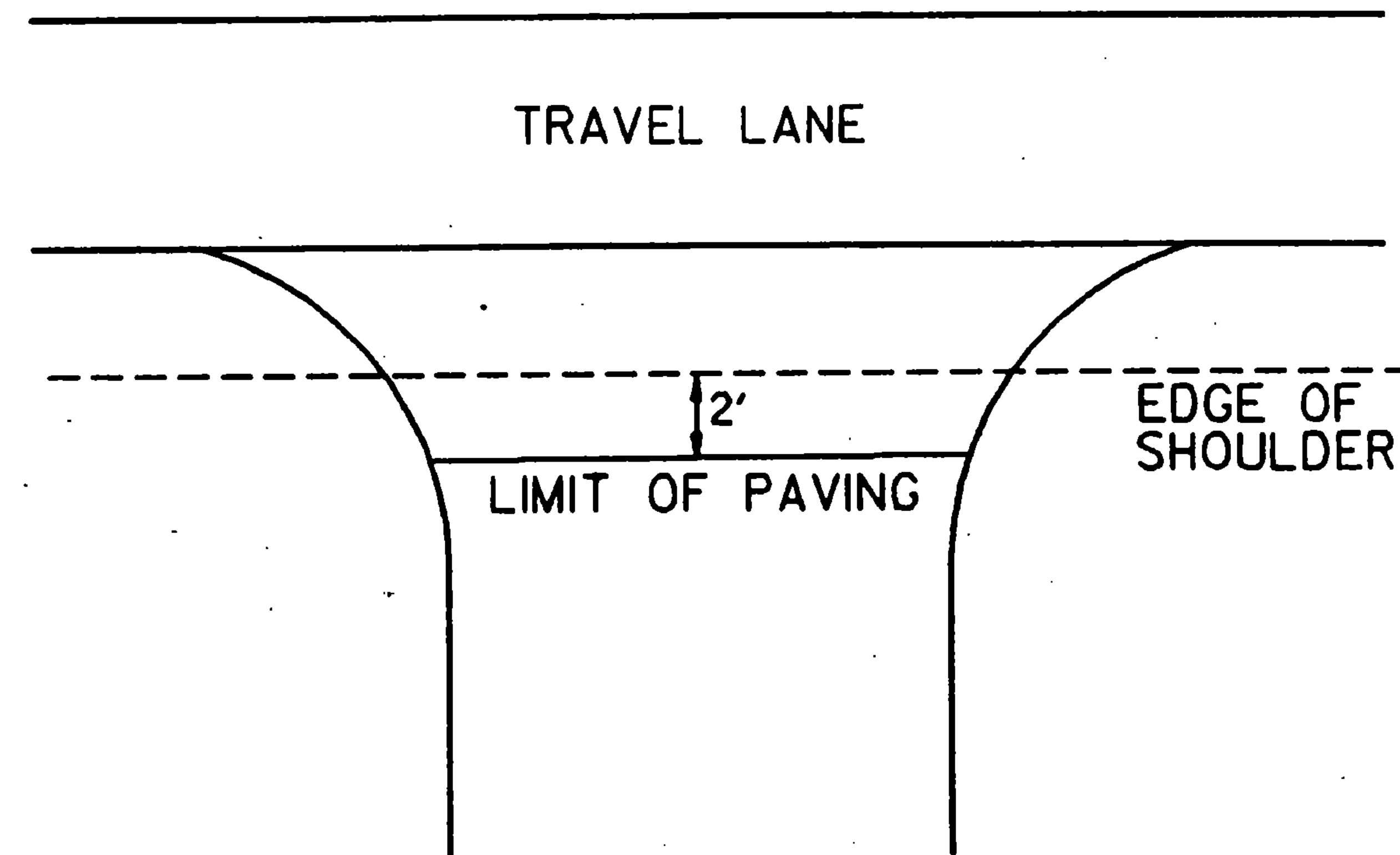
SIGN H-3 IS TO BE
ENGINEER. THE

PAVING LIMITS FOR TOWN ROADS & DRIVES

PAVING LIMITS FOR TOWN ROADS



PAVING LIMITS FOR DRIVES



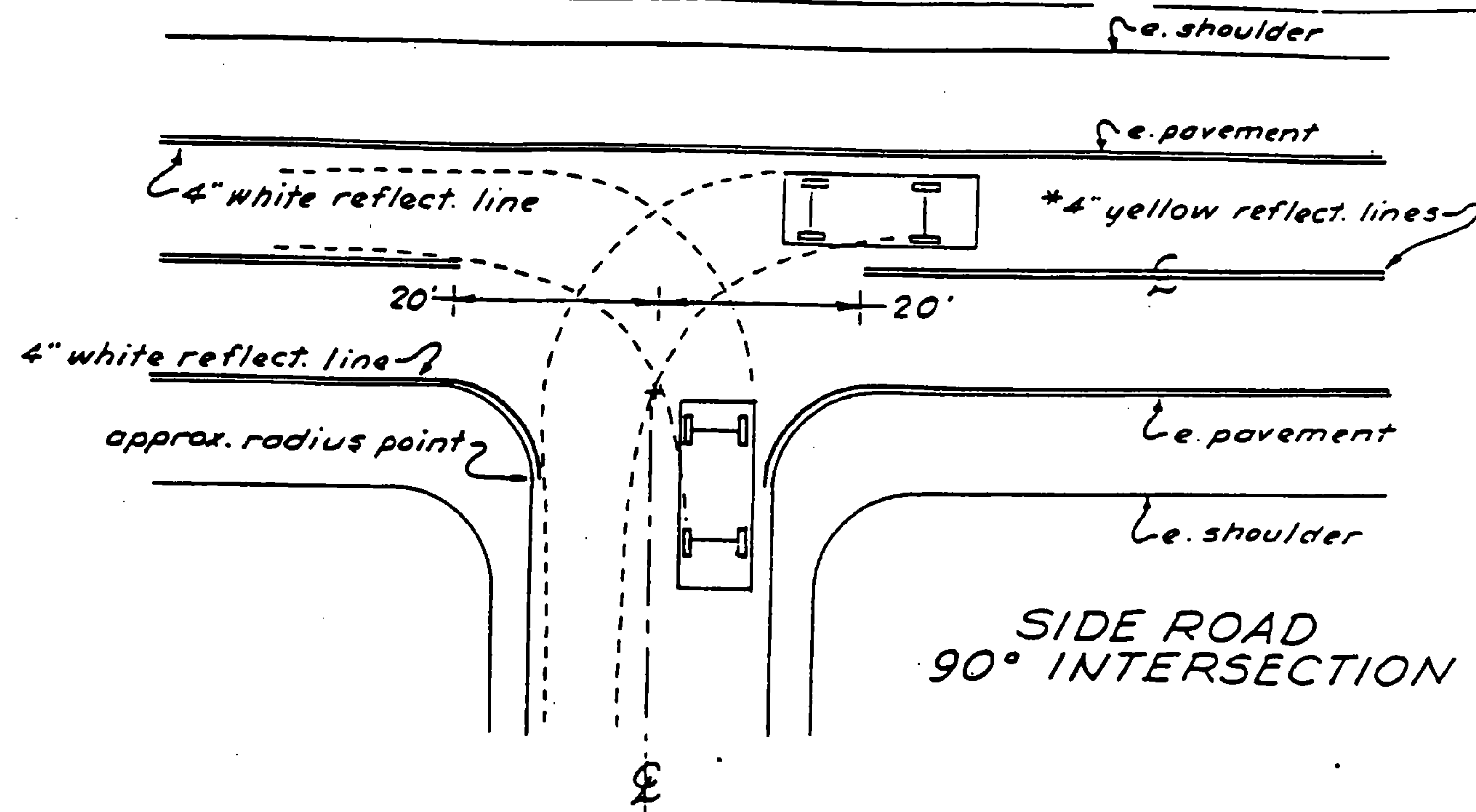
PROJECT 1987 DIST. 2 PAVING

NO. HMA PROJECTS

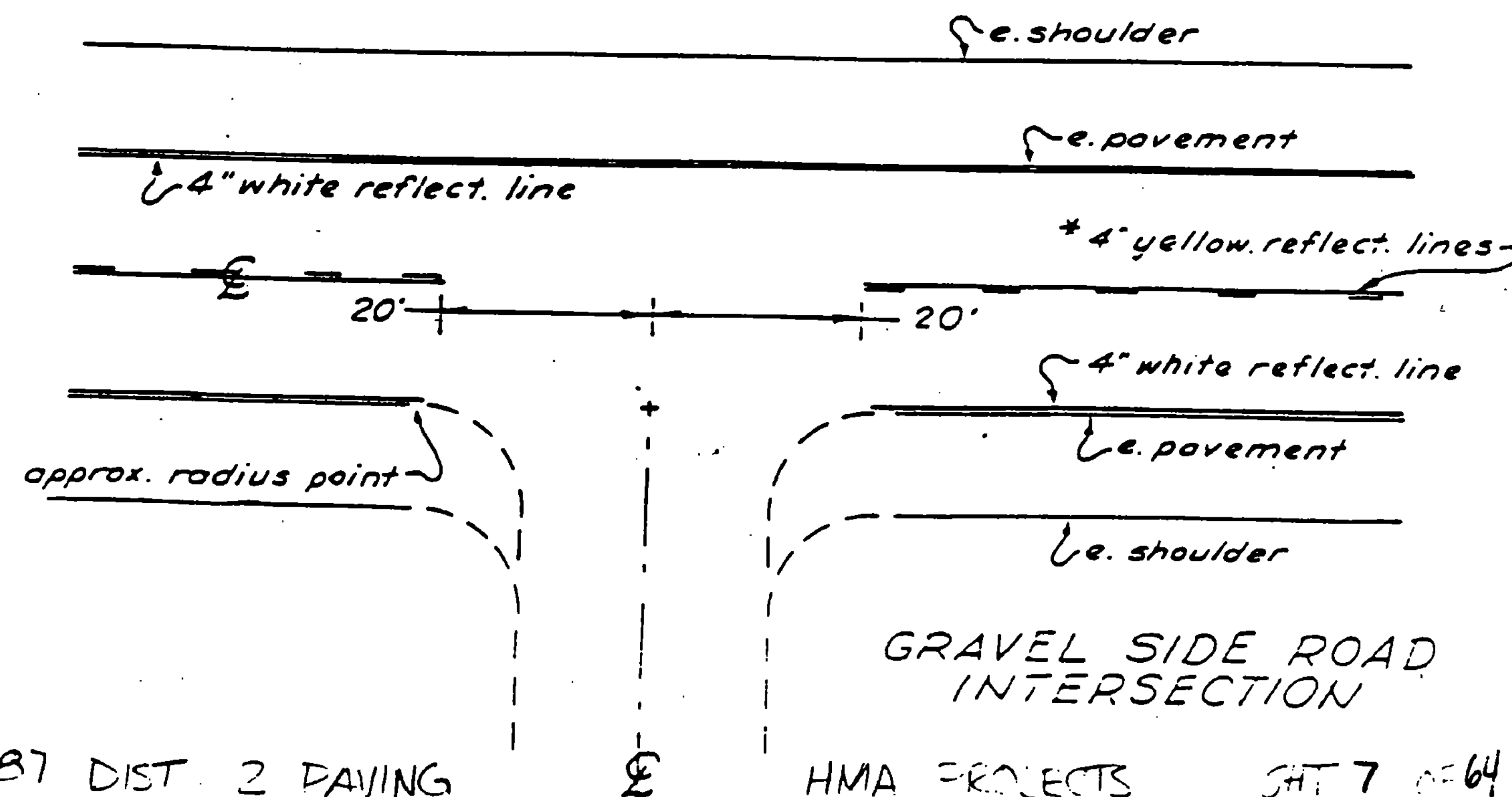
SHEET 6 OF 64 SHEETS

MARKING AT INTERSECTING SIDE ROAD

JCE NO _____



* 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.



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.

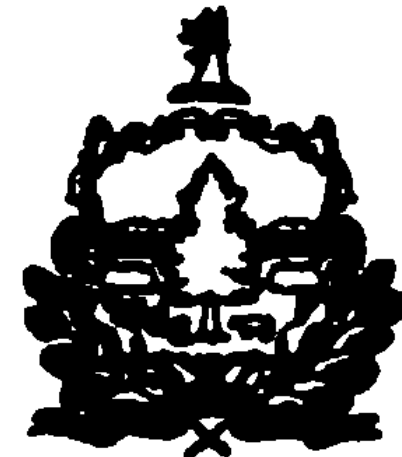
DASHED LINE
FOUR RETRO-REFLECTIVE RPM'S ON 3 1/2 FOOT CENTERS WITH A 30' GAP.

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

STATE OF VERMONT
AGENCY OF TRANSPORTATION



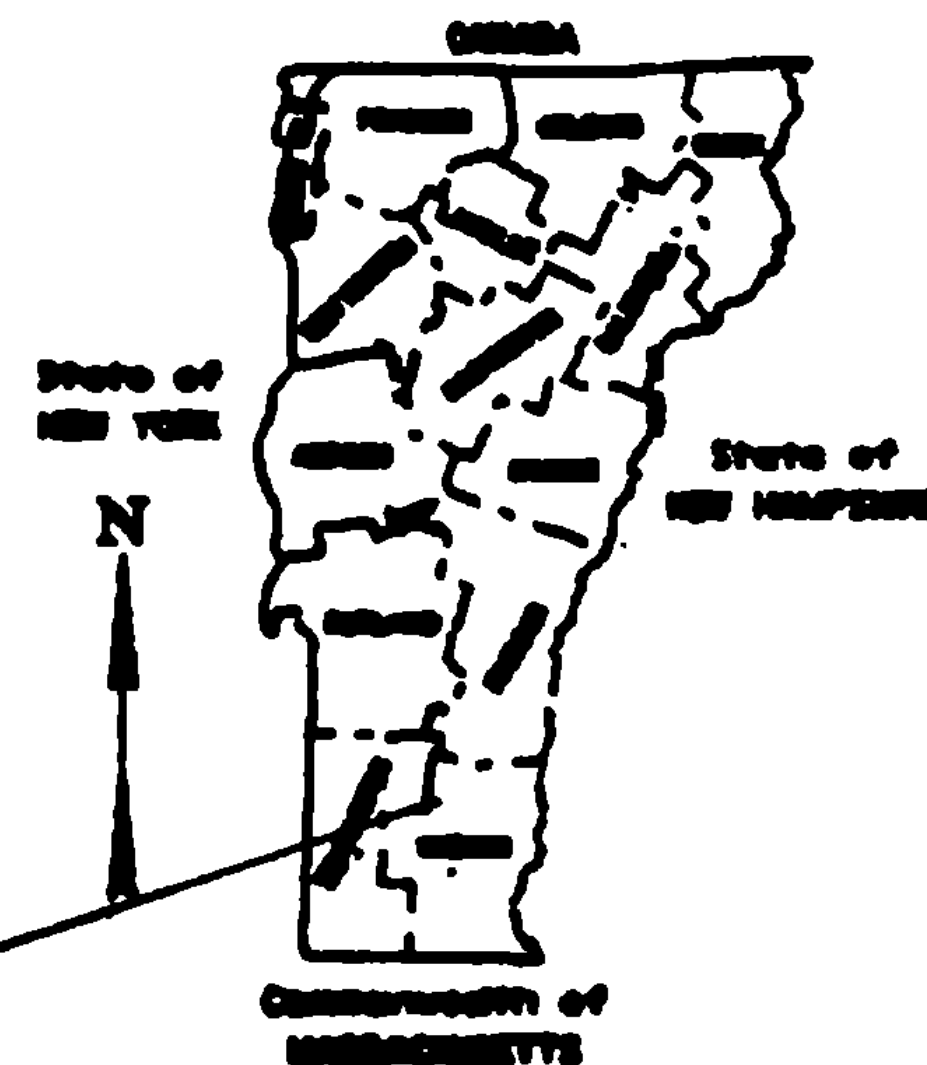
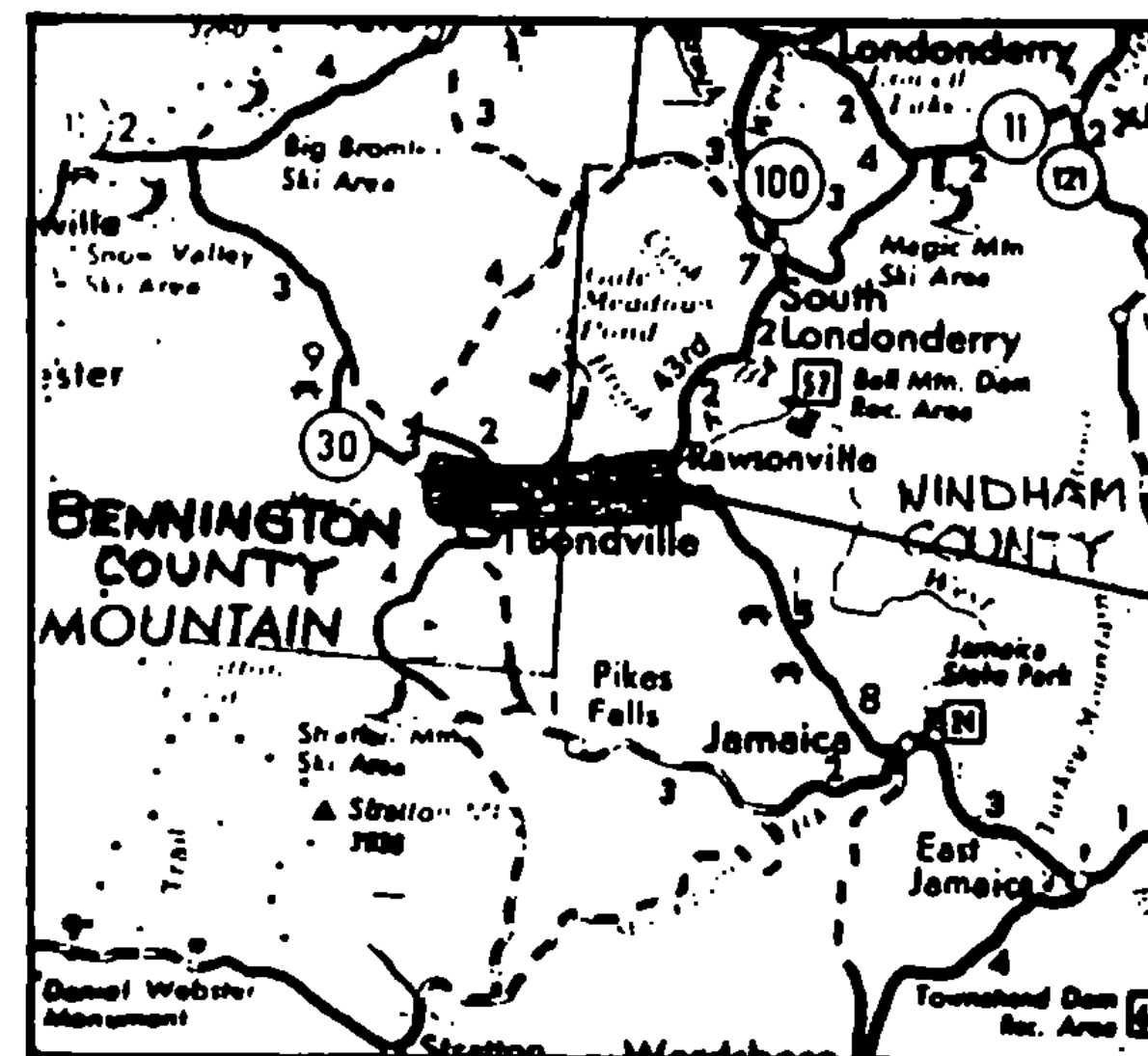
PROPOSED IMPROVEMENT

TOWN OF JAMAICA - WINDHAM

COUNTY OF WINDHAM, BENNINGTON

ROUTE NO. VT. R.T. 30

ROUTE CLASS F.A.P.



PROJECT
HMA 2818

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, 1966 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

RECEIVED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED _____ DATE _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA - 2818

SHEET 1 OF 10 SHEETS



SCALE IN MILES

FOR INDEX OF SHEETS, SEE SHT. 2

SHT. 9 OF 64 SHEETS

INDEX OF SHEETS

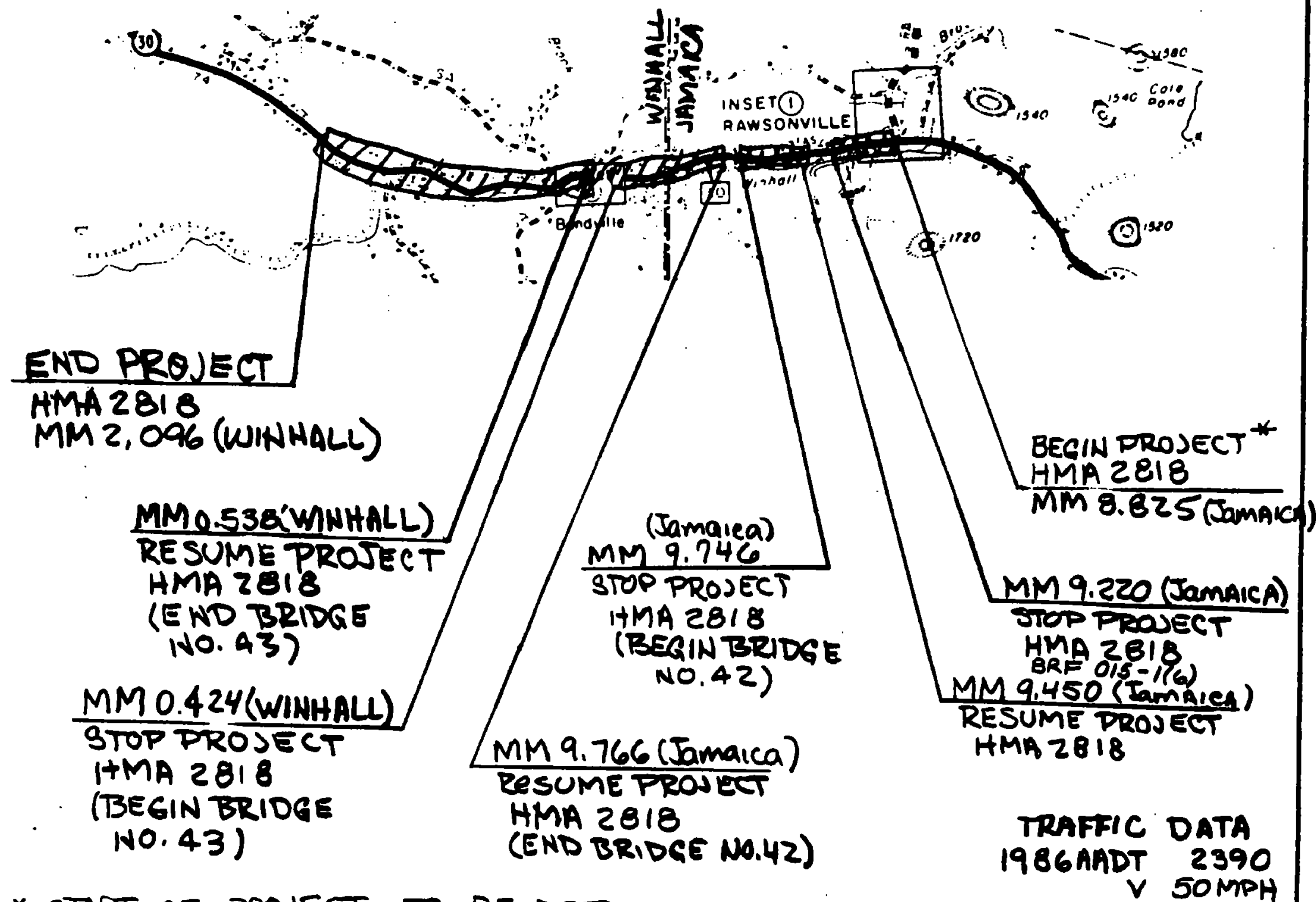
SHEET No.

1	TITLE SHEET
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3	PROJECT DESCRIPTION AND LOCATION
4-7	TYPICAL SECTION AND DESIGN DATA
8	QUANTITIES
9	CENTERLINE DETAIL SHEET
10	Pavement Marking Detail Sheet

PROJECT JAMAICA - WINHALL

NO. HMA 2818
SHEET 10 OF 64 SHEETS
SHEET 2 OF 10 SHEETS

DESCRIPTION AND LOCATION



* START OF PROJECT TO BE DETERMINED IN THE FIELD BY THE ENGINEER BASED ON THE CONDITION OF EXISTING BITUMINOUS PAVEMENT AT PROPOSED START OF PROJECT.

PROJECT BEGINS IN JAMAICA 8.825 MILES NORTHWESTERLY OF THE JAMAICA-TOWNSHEND TOWN LINE AND EXTENDS WESTERLY TO END AT MILE MARK 2.096 IN THE TOWN OF WINHALL. THE ABOVE NOTED BRIDGES AND BRIDGE REPAIRS PROJECT JAMAICA BRG 015-11(6) ARE NOT PART OF THIS OVERLAY.

LENGTH OF PROJECT 16030.08 FT. 3.036 MILES

PROJECT INCLUDES THE OVERLAYING OF EXISTING BITUMINOUS CONCRETE PAVEMENT (SHOULDERS INCLUDED) WITH 1 1/4" BIT. CONC. PAVT.

PROJECT JAMAICA-WINHALL

NO. HMA 2818
SHEET 11 OF 64 SHEETS
SHEET 3 OF 11 SHEETS

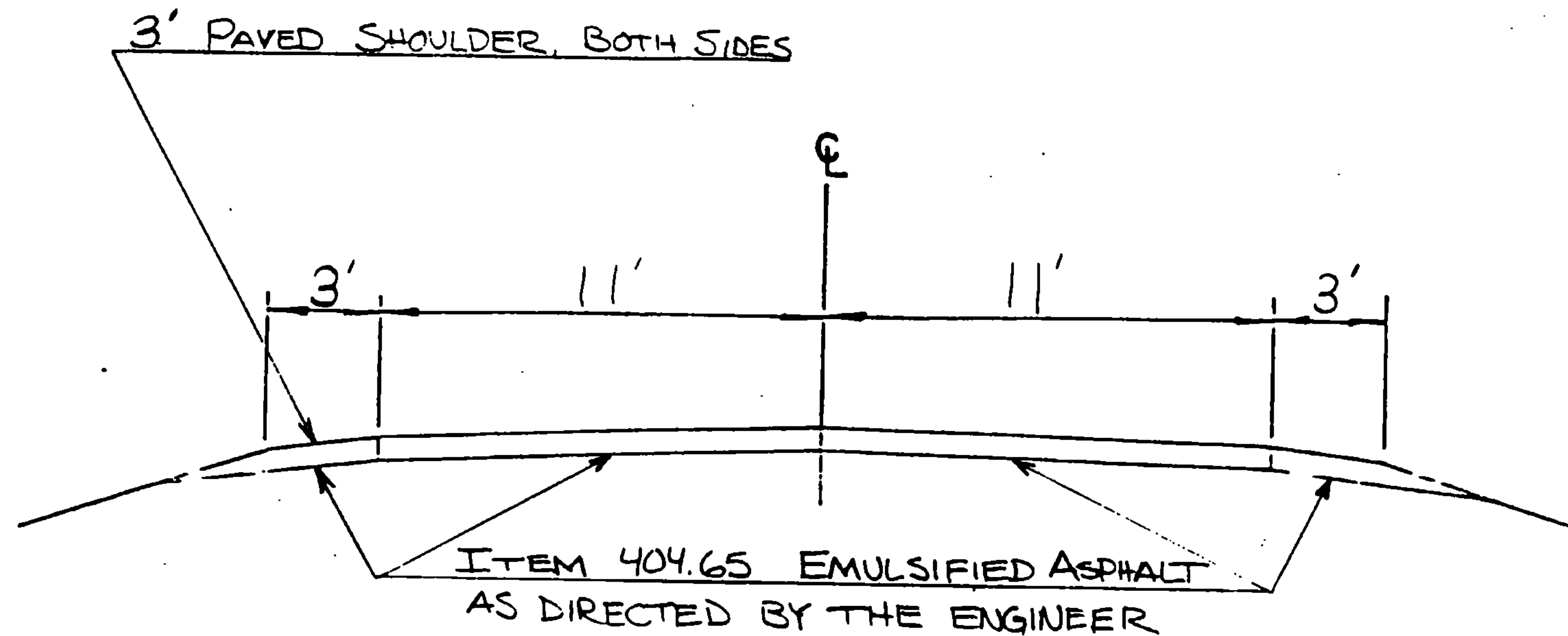
TYPICAL SECTIONS & DESIGN DATA

BITUMINOUS CONCRETE PAVEMENT

TYPE IV MIX WILL BE USED FOR LEVELING
UNLESS OTHERWISE DETERMINED BY THE
RESIDENT ENGINEER.

1 1/4" WEARING COURSE, TYPE III

TYPE IV MIX (28' WIDE @ 250 TONS/MI.)



JAMAICA MM 8.825 ~ JAMAICA MM 9.220

JAMAICA MM 9.450 ~ JAMAICA MM 9.746

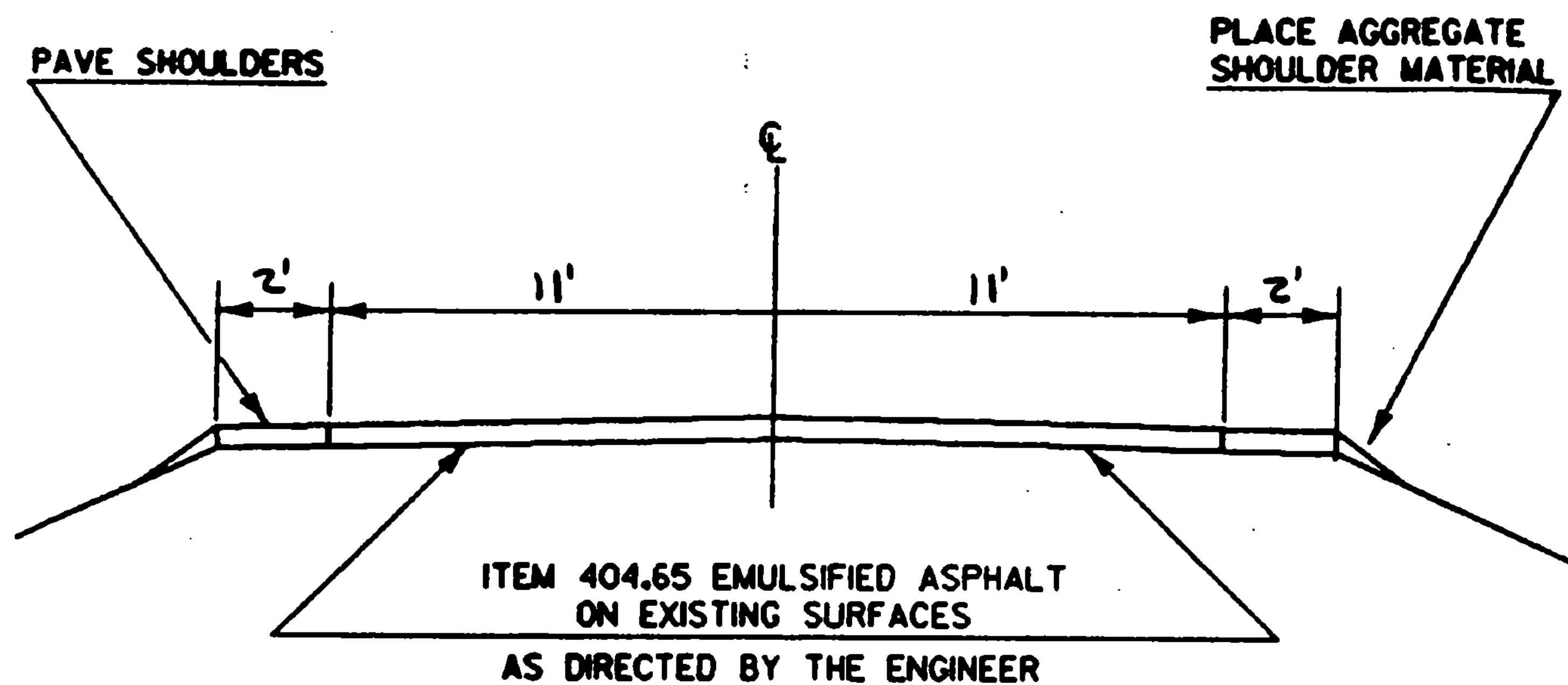
JAMAICA MM 9.766 ~ WINHALL MM 0.000

PROJECT - JAMAICA - WINHALL

~~SHEET 12 OF 64 SHEETS~~
NO. HMA 2818
~~SHEET 4 OF 10 SHEETS~~

TYPICAL SECTIONS & DESIGN DATA

WINHALL 0.000 ~ 0.272
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (250 TONS/MILE)
1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



PROJECT JAMAICA-WINHALL

NO. HMA 2818
SHEET 13 OF 64 SHEETS
SHEET 5 OF 10 SHEETS

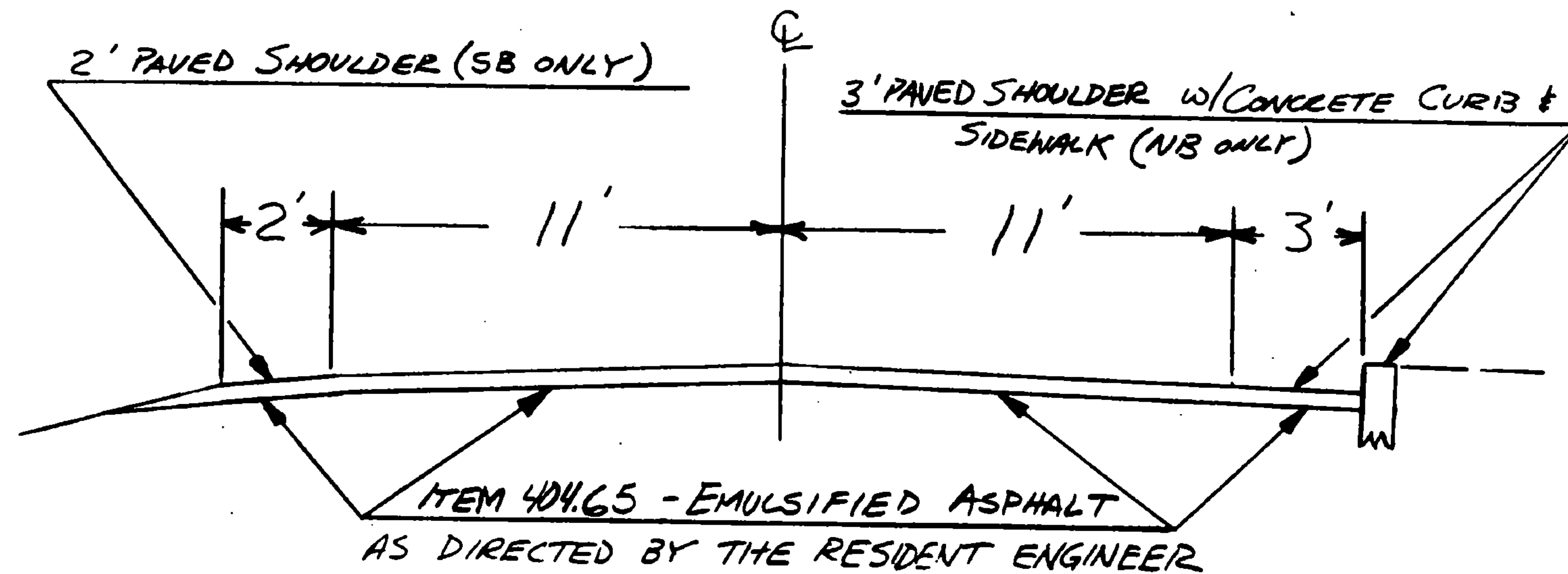
TYPICAL SECTIONS & DESIGN DATA

BITUMINOUS CONCRETE PAVEMENT

TYPE IV MIX WILL BE USED FOR LEVELING UNLESS OTHERWISE DETERMINED BY THE RESIDENT ENGINEER

1 1/4" WEARING COURSE, TYPE III

TYPE IV MIX, 27' WIDE @ 250 TONS/MI.



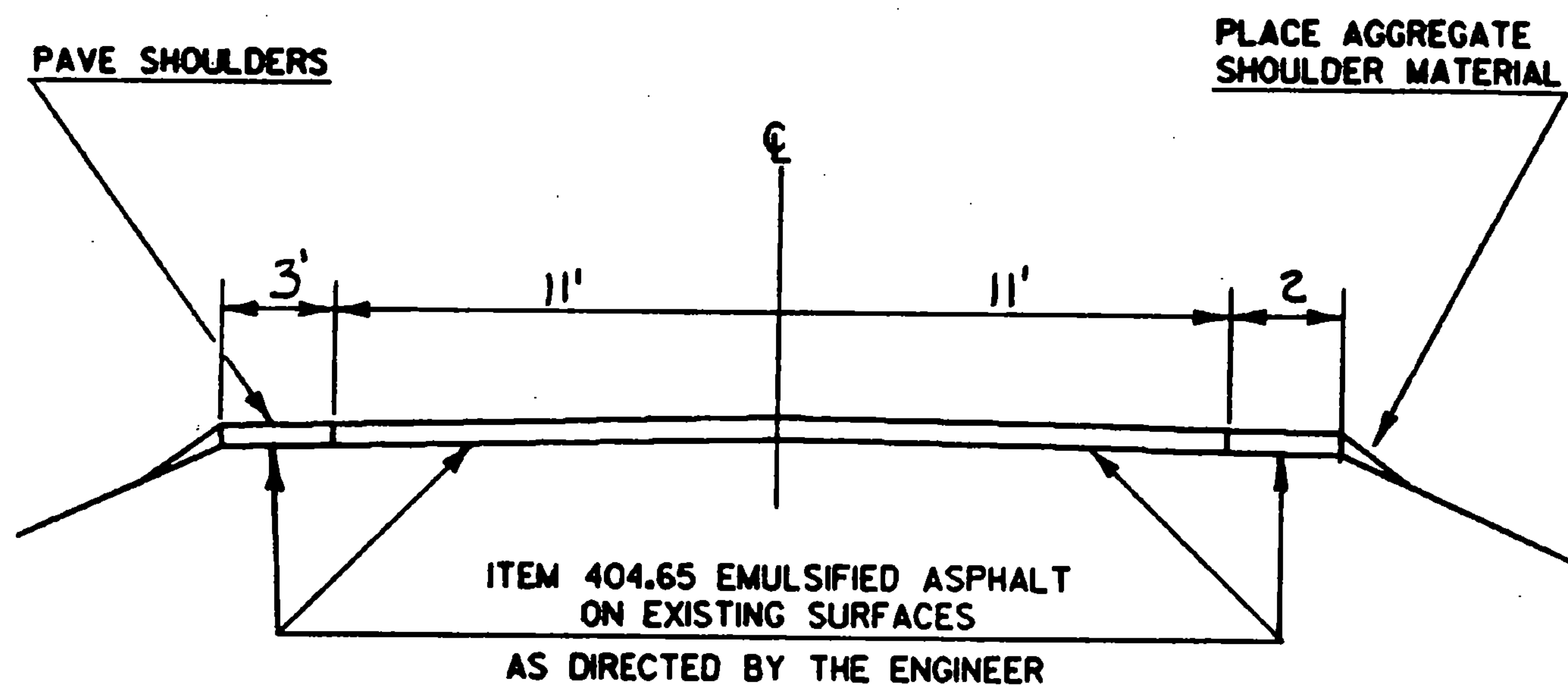
WINHALL MM 0.272 ~ MM 0.424

PROJECT JAMAICA-WINHALL

NO. HMA 2818
SHT 14 OF 64 SHTS
SHT. 6 OF 10 SHTS.

TYPICAL SECTIONS & DESIGN DATA

WINHALL MM0.538~MM2.096
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (250 TONS/MILE)
1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



PROJECT JAMAICA-WINHALL

NO. HMA 2818
SHEET 15 OF 64 SHEETS
SHEET 7 OF 10 SHEETS

QUANTITIES

ITEM	DESCRIPTION
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ITEM NO.	402.11	402.12	404.65	406.25	604.40	608.15	608.25	608.30	630.10	630.15	635.10	635.20	635.30	635.40	635.44	635.48	635.51	635.57	651.35
UNIT	CY	TON	CWT	TON	Eq.	Hr.	Hr.	Hr.	Hr.	Hr.	LS.	LF	LF	LF	Eq.	Eq.	LF		
Dr. & App.		25	1	25															
Proj. Subtotal		56	60.7	3396	4	5	5	34	344	344	0.223	32060	31565	24	12		63130	5	10
Leveling				759															
Rounding		4	.3	20	-	-	-	1	6	6	-	-		-					-
Grand Total		60	61	4175	4	5	5	35	350	350	0.223	32060	31565	24	12		63130	5	10

Changed by Larry Wheeler 11/18/87

Changed by Larry Wheeler 11/18/87

PROJECT 1987 DIST. 2 DAVING
JAMAICA - WINHALL

NO. HMA PAVING
HMA 28/8

SHEET 16 OF 64 SHEETS
SHEET 8 OF 10 SHEETS

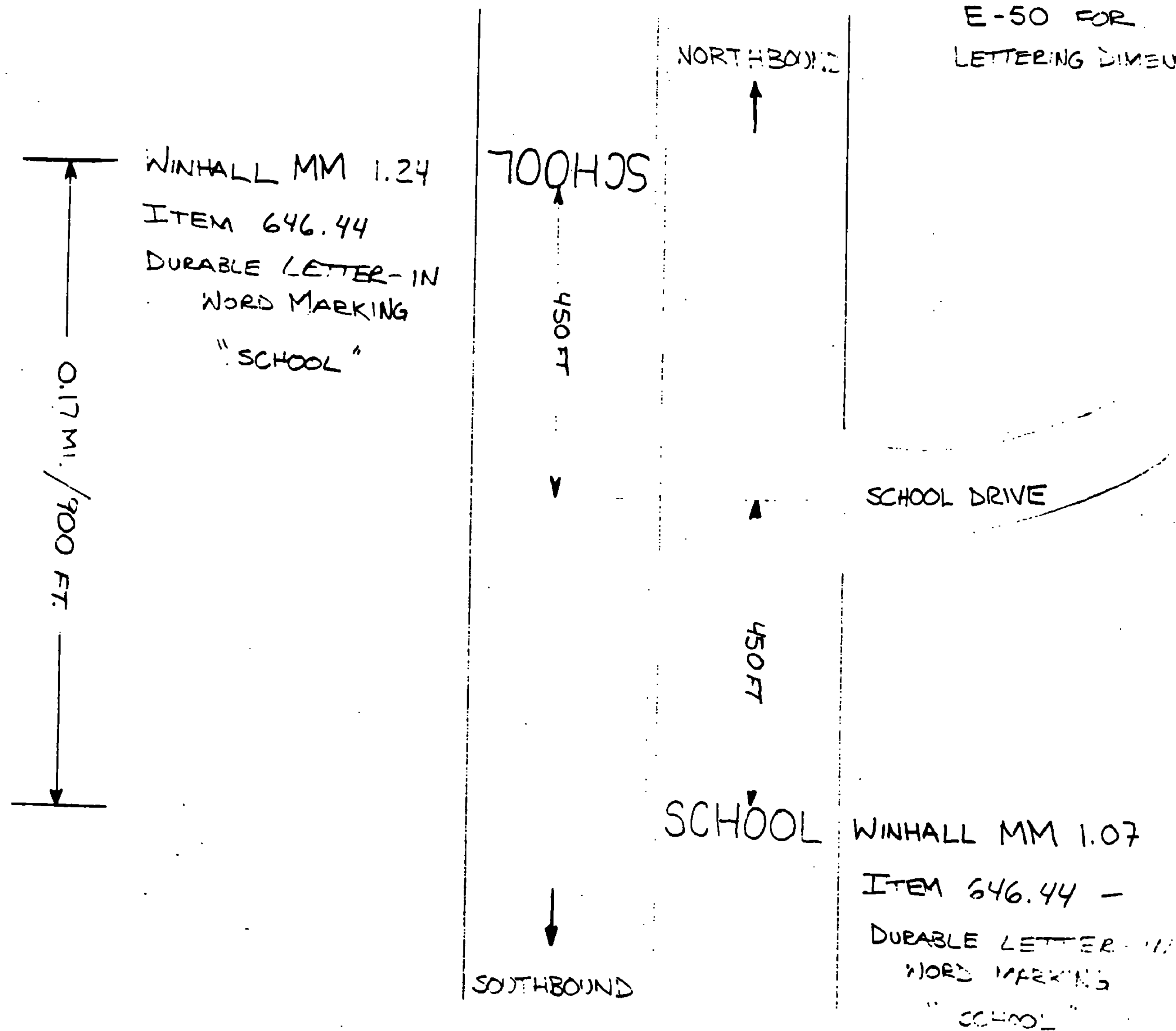
TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY Q	QUANTITY RT	MINUS TH	TOTALS
Jam.	8.825	9.220	Solid	Solid		2086		2086		4172
Jam	9.450	9.570	Dash	Solid		158		634		792
Jam.	9.570	10.120	Solid	Solid		2904		2904		5808
Winhl	0.000	1.980	Solid	Solid		10454		10454		20908
Winhl	1.980	2.096	Solid	DASH		612		153		765
										32443
INTERSECTING TOWN HIGHWAYS NOS. Jamaica TH 9 80										
Winhall TH 14 80										
TH 22 80										
TH 1 80										
TH 13 80										
TH 2 80										
TH 37 80										
(U Shape 2 line breaks) TH 26 160										
TH 3 80										
TH 15 80										
880										
Assume 100% of line lost due to shimming										
31565										
x 2										
63130L										

TEMPORARY 4" WHITE LINE

PAYEMENT MARKING DETAIL SHEET

* SEE STANDARD
E-50 FOR
LETTERING DIMENSIONS.

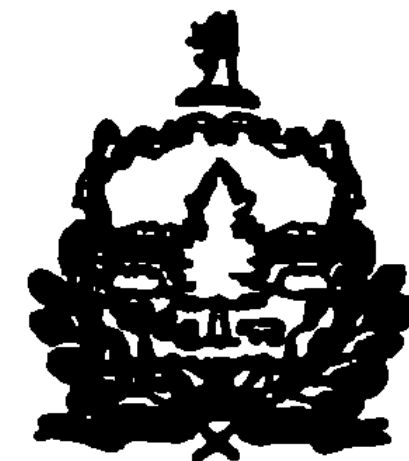


NOTE: DRAWING NOT TO SCALE

PROJECT JAMAICA - WINHALL

NO. HMA 818
SHT. 18 OF 64 SHTS.
SHT. 10 OF 10 SHTS.

STATE OF VERMONT
AGENCY OF TRANSPORTATION



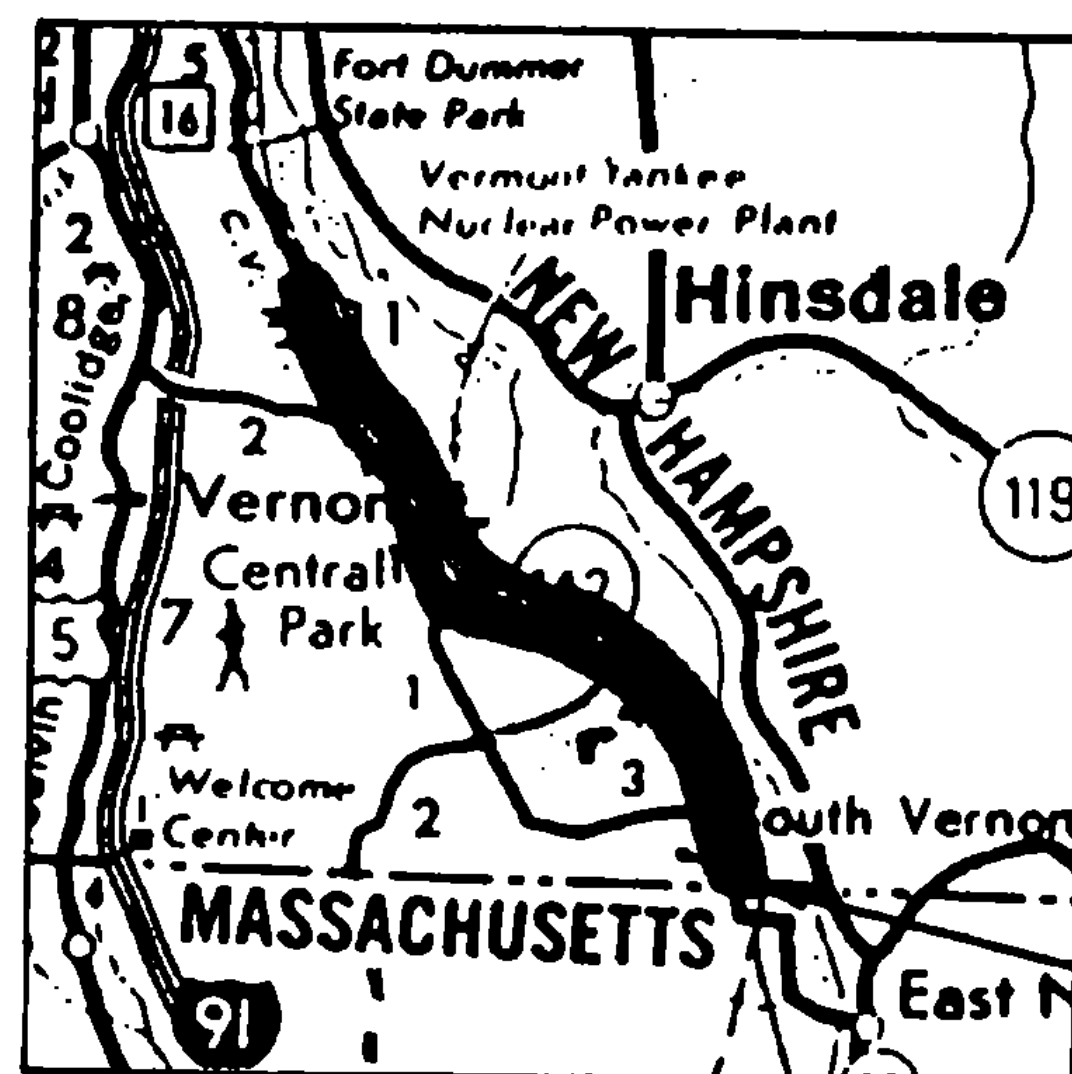
PROPOSED IMPROVEMENT

TOWN OF VERNON

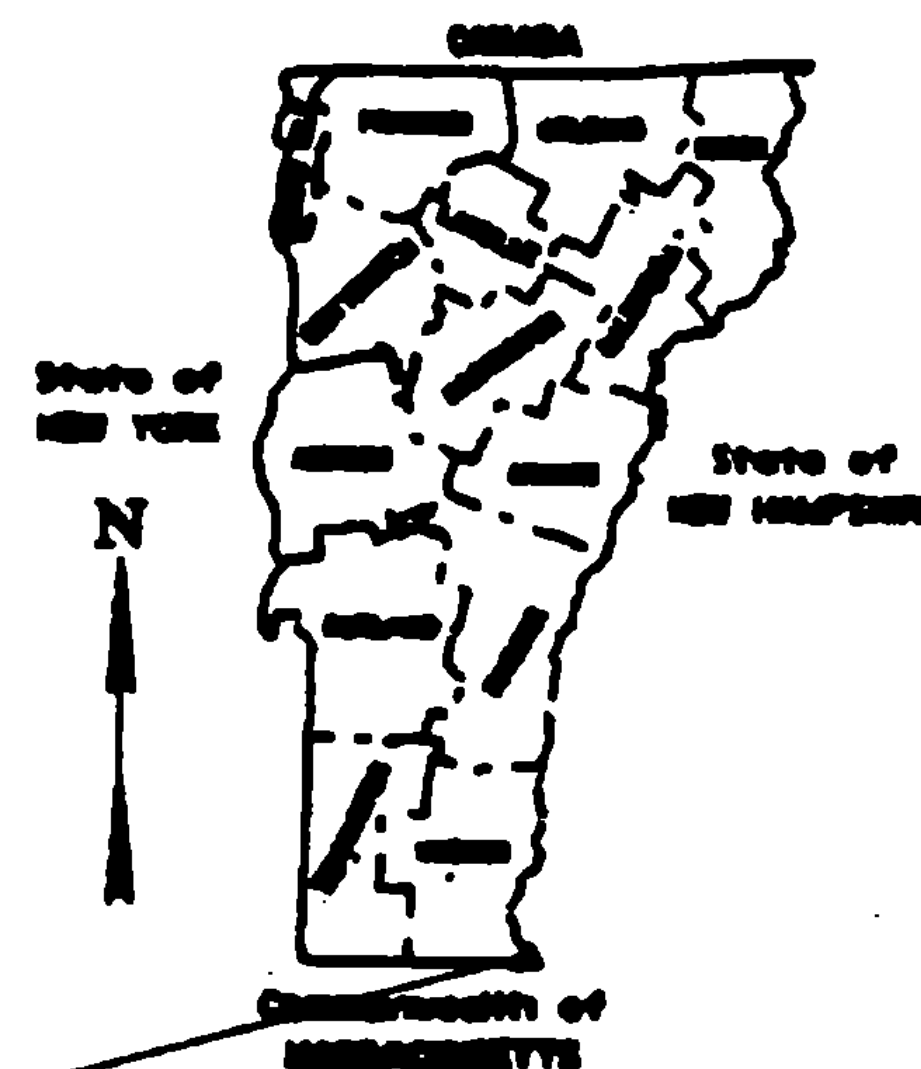
COUNTY OF WINDHAM

ROUTE NO. VT. RT. 142

ROUTE CLASS F.A.S.



PROJECT
HMA2819



0 5 10 MILES

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 1984, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 8, 1985 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

REVIEWED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED CHIEF ENGINEER DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA # 2819

SHEET 1 OF 10 SHEETS

SHEET 20 OF 64 SHEETS

FOR INDEX OF SHEETS, SEE SHT. 2

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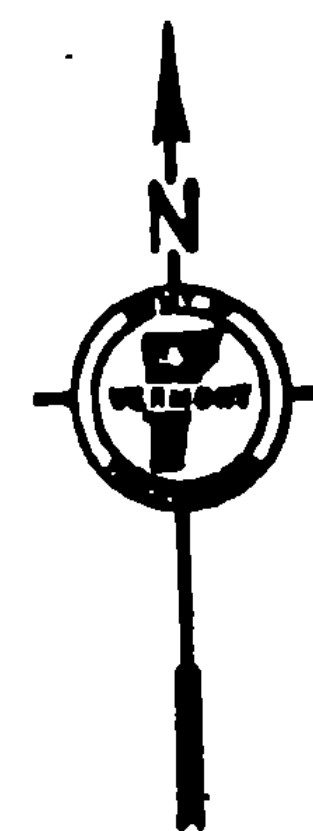
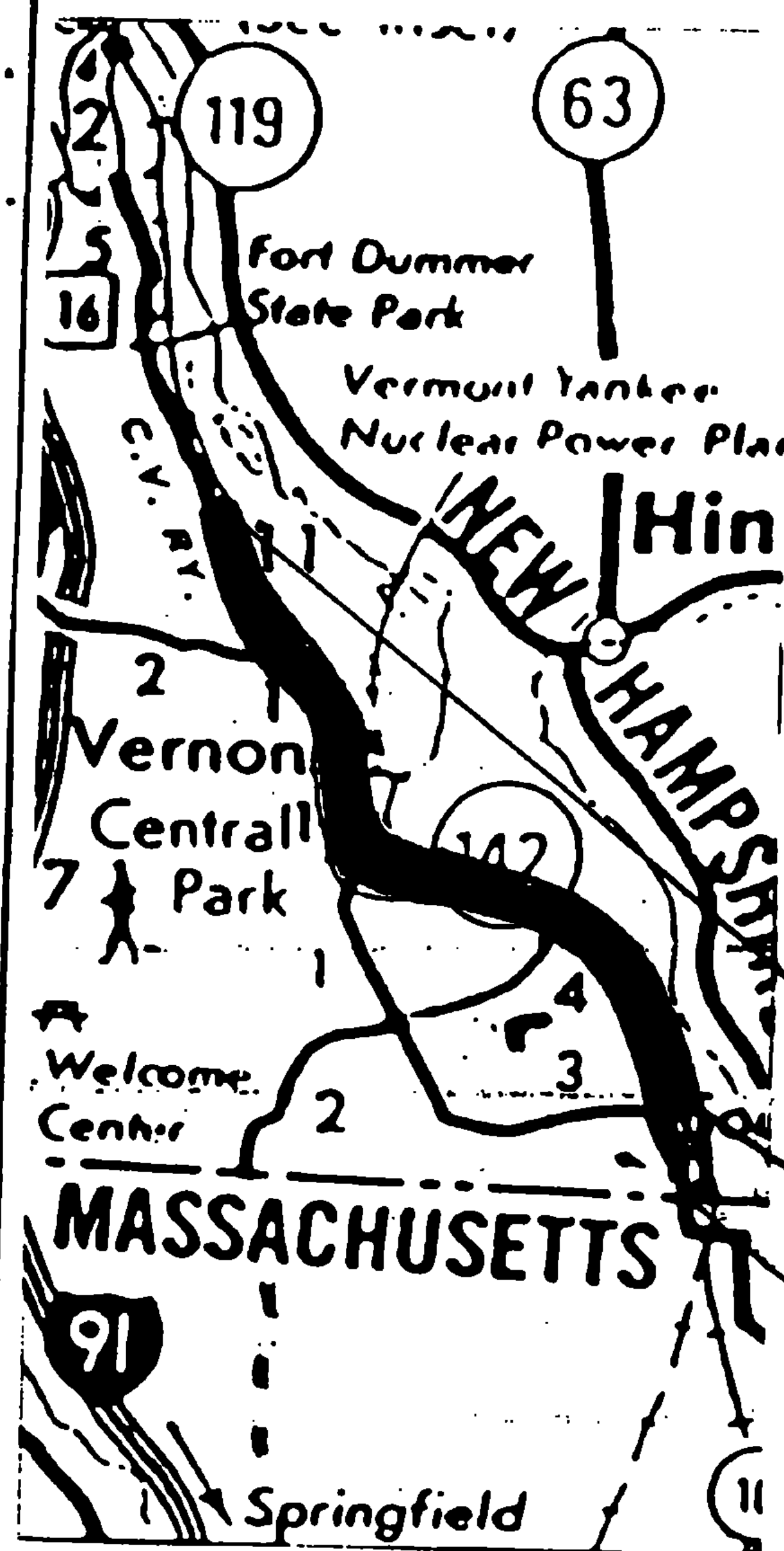
SHEET NO.

1	TITLE SHEET
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4-6	TYPICAL SECTIONS AND DESIGN DATA
7,8	PROJECT LENGTHS AND ITEM QUANTITIES
9	CENTERLINE DETAIL SHEET
10	Shoulder Detail Sheet

PROJECT VERNON

NO. HMA 2819
~~SHEET 21 OF 64 SHEETS~~
SHEET 2 OF 10 SHEETS

PROJECT DESCRIPTION AND LOCATION



TRAFFIC DATA

1986 AADT = 2020

V = 50 MPH

PROJECT INCLUDES OVERLAYING THE EXISTING BITUMINOUS CONCRETE PAVEMENT (SHOULDERS INCLUDED) WITH 1 1/4" BIT. CONC. PAVT. EXISTING GRAVEL SHOULDERS WILL BE EXCAVATED, FILLED WITH AGGREGATE SHOULDER MATERIAL, AND OVERLAYED WITH 1 1/4" BIT. CONC. PAVT.

END PROJECT HMA 2819
MM 6.800

TAPER 1 1/4" OVERLAY TO 0" OVER *
200' BEFORE & AFTER BR #2 OVER
VT. 142. DO NOT PAVE UNDER RR BRIDGE

BEGIN PROJECT HMA 2819
MM 0.000



* NOTE: MIN. 13.8' CLEARANCE
IS TO BE MAINTAINED UNDER
BR #2 OVER VT. 142.

ON VT. RT. 142, BEGINNING AT THE MASSACHUSETTS-
VERMONT BORDER, AND EXTENDING NORTHERLY
6.800 MILES.

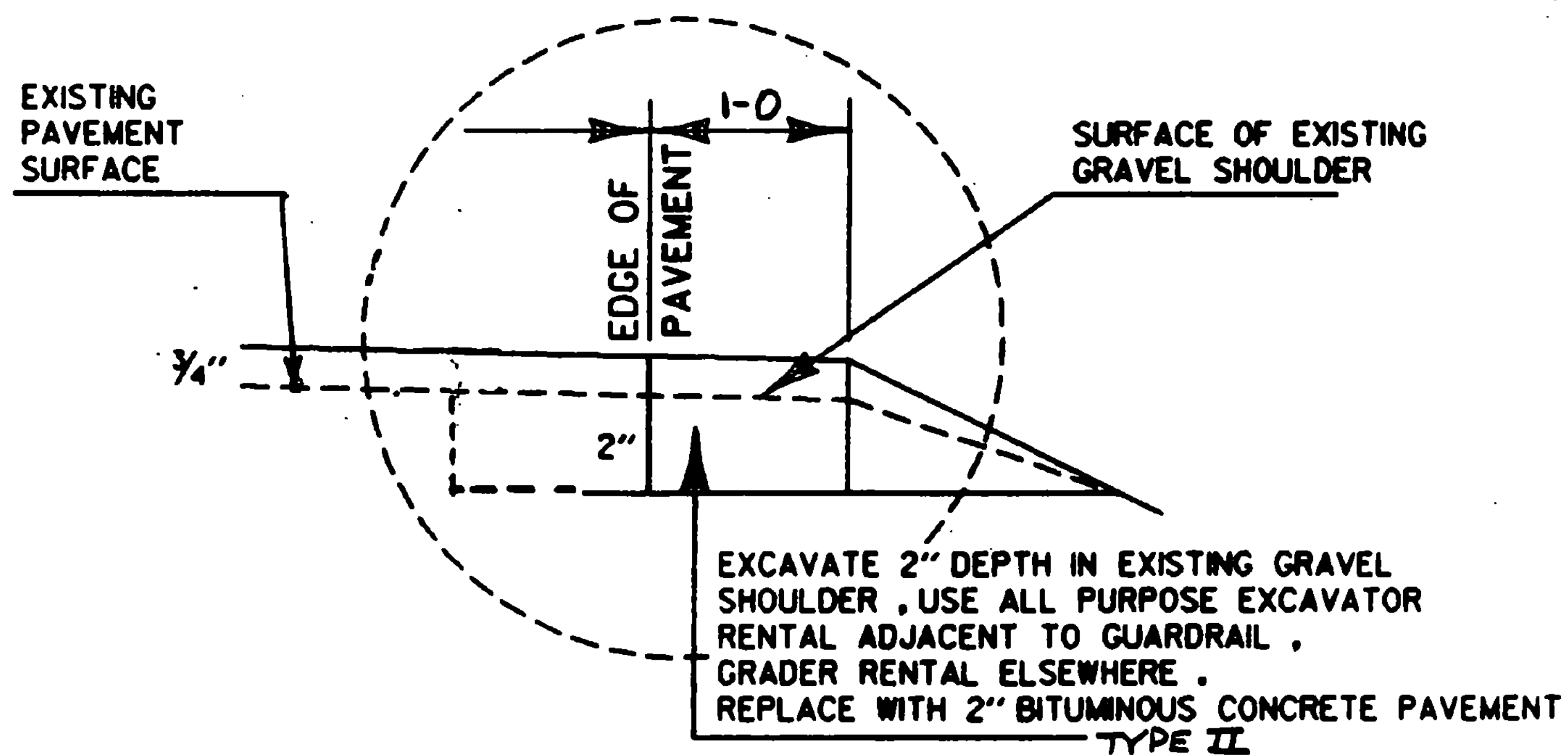
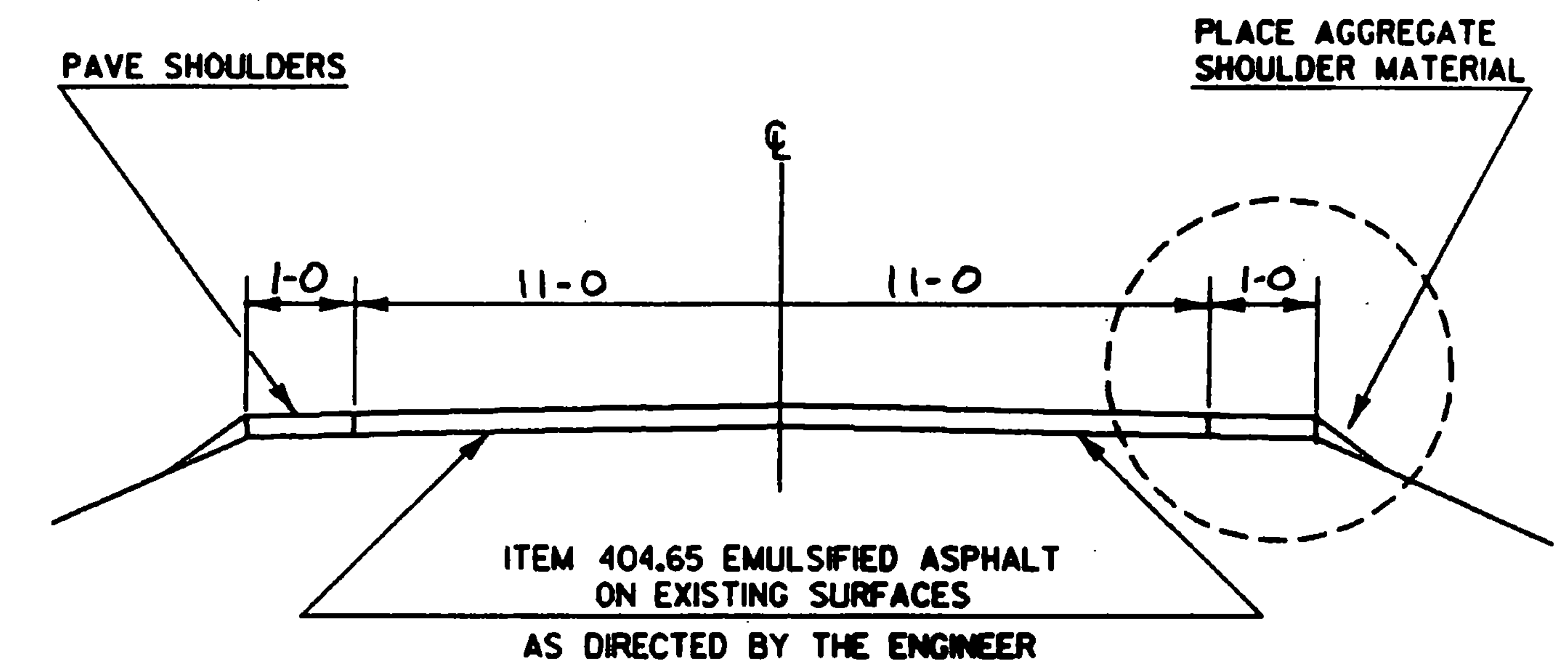
LENGTH OF PROJECT : 6.800 MI
= 35,704.0 FT.

PROJECT: VERNON

NO. HMA 2819 SHT. 22 OF 71
SHEET 3 OF 64 SHEETS

TYPICAL SECTIONS & DESIGN DATA

VERNON MM0.00 ~ MM1.13
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (38Z TONS/MILE)
 1 1/4" WEARING COURSE TYPE III (± 1/4")
 AS DIRECTED BY THE ENGINEER
 NOTE: EXISTING PAVEMENT IS 10' LANES
 W/ 2' GRAVEL SHOULDERS.



PROJECT Vernon

NO. HMA 2819

SHEET 4 OF 10 SHEETS

SHEET 23 OF 64 SHEETS

TYPICAL SECTIONS & DESIGN DATA

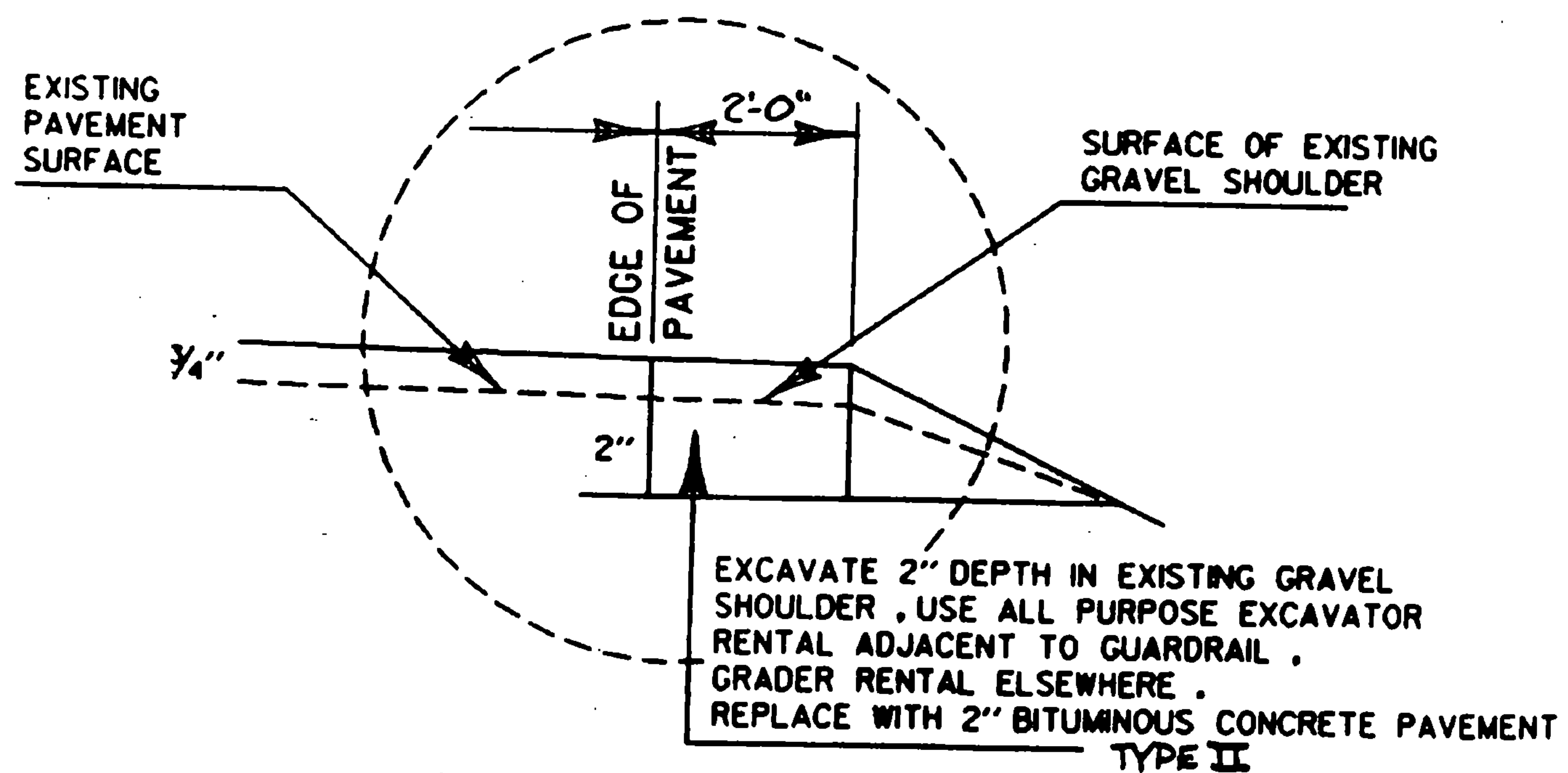
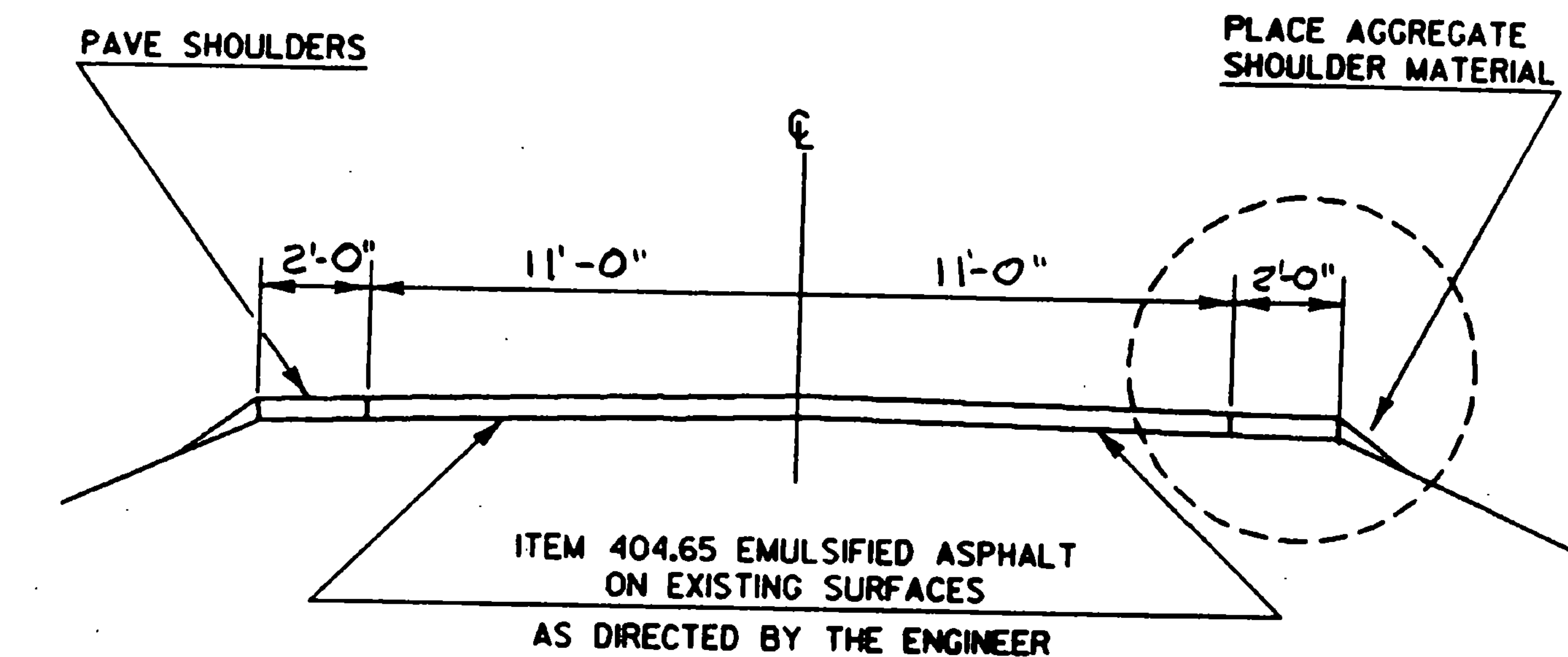
VERNON MM1.13 ~ MM 3.62, MM 3.73 ~ MM 6.800

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT

LEVELING COURSE TYPE IV (4 1/4 TONS/MILE)

1 1/4" WEARING COURSE TYPE III (± 1/4")

AS DIRECTED BY THE ENGINEER



PROJECT Vernon

NO. HMA 2819

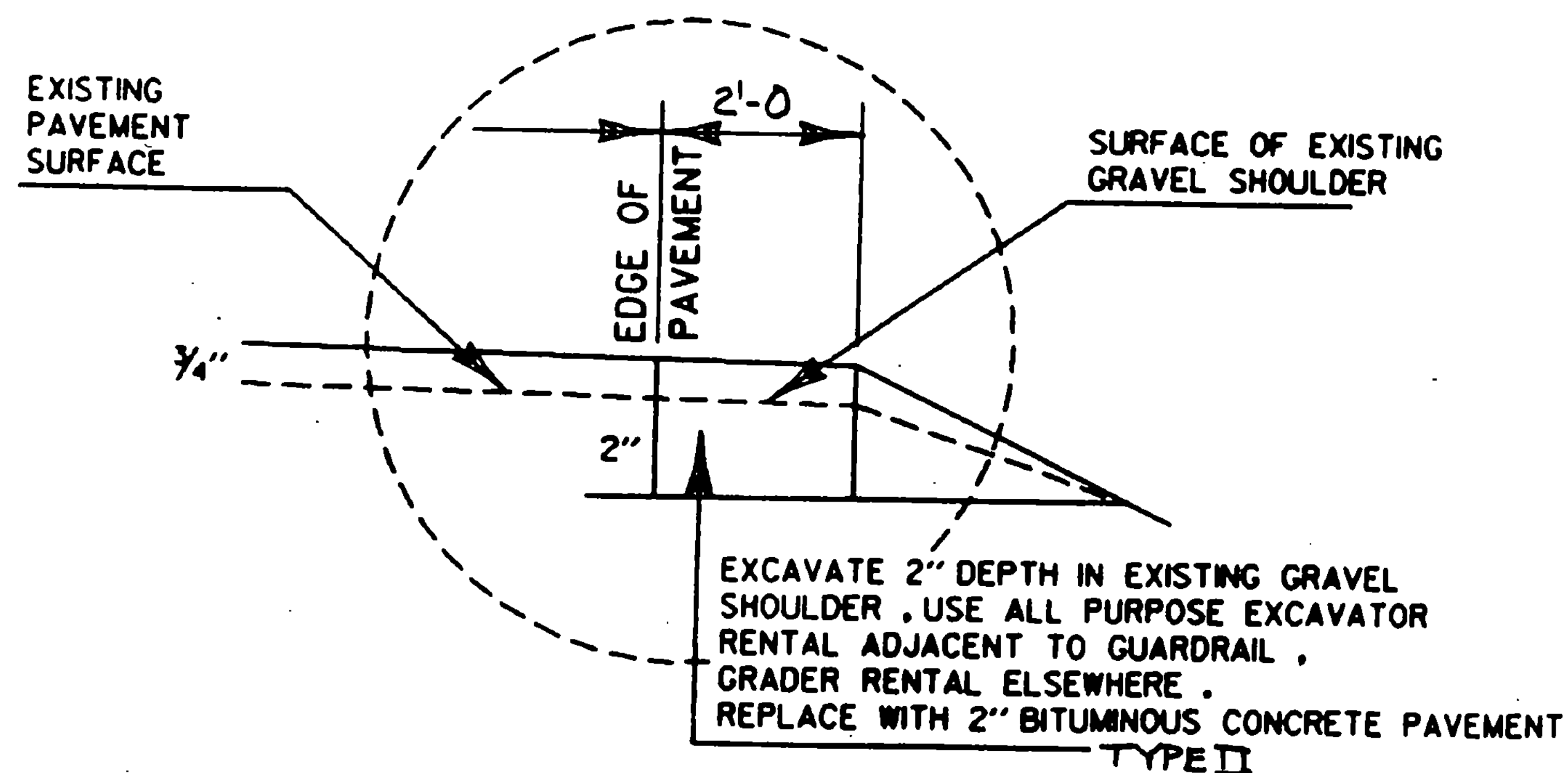
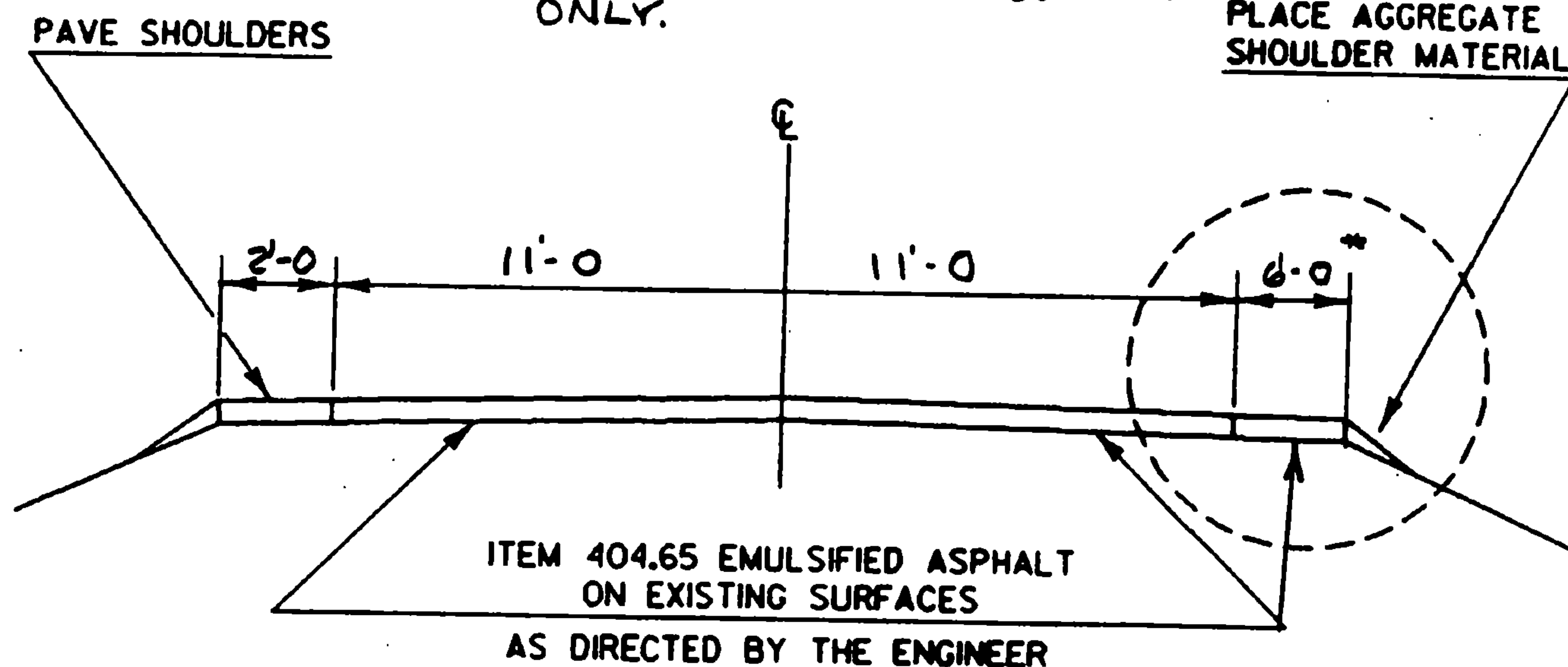
SHEET 5 OF 10 SHEETS

SHEET 24 OF 64 SHEETS

TYPICAL SECTIONS & DESIGN DATA

VERNON MM 3.62 ~ MM 3.73
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (477 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER

*NOTE: EXISTING RT. SHOULDER IS PAVED.
 DETAILED BLOW-UP BELOW
 APPLIES TO LEFT SHOULDER
 ONLY.



PROJECT Vernon

NO. HMA 2819

SHEET 6 OF 10 SHEETS

SHEET 25 OF 64 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM NO	LENGTH		WIDTH	OVERLAY DEPTH		LEVELING DEPTH		AGGREGATE COURSE, TYPE IV		AGGREGATE SHOULDERS		EMULSIFIED ASPHALT		BITUMINOUS CONCRETE PAVEMENT		BITUMINOUS CONCRETE PAVEMENT		POWER BROOM RENTAL		CHANGE OF ELEVATION (CB, DI, OR MH)		UNIFORMED TRAFFIC OFFICERS		FLAG PERSONS		MOBILIZATION	
	FT.	FT.		IN.	TONS/MIL	402.11 CY.	402.12 TON	404.65 CWT.	406.25 TON	406.25 TON	608.30 HR.	604.40 EA.	630.10 HR.	630.15 HR.	635.10 LS.												
LOCATION																											
VERNON MM 0.000 ~ 1.130	5966.4	22	1.25					18.16		1072.8																	
	5966.4	2	1.25					1.65	294.6	92.1																	ROADWAY
	5966.4				382					431.7																	SHOULDERS
	5966.4																										LEVELING
MM 1.130 ~ 3.620	13147.2	22	1.25					40.01		2231.8																	ROADWAY
	13147.2	4	1.25					7.27	649.2	405.8																	SHOULDERS
	13147.2				414					1030.9																	LEVELING
MM 3.620 ~ 5.730	580.8	22	1.25					1.77		98.6																	ROADWAY
	580.8	8	1.25					0.64	14.3	35.9																	SHOULDERS
	580.8				477					52.5																	LEVELING
MM 3.730 ~ 6.800	16209.6	22	1.25					49.33		2751.6																	ROADWAY
	16209.6	4	1.25					8.97	800.5	500.3																	SHOULDERS
	16209.6				414					1271.0																	LEVELING
TOWN HIGHWAYS DRIVES EST. SHOULDER REPAIR							800	1.00	—	50.0																	EST.
									1758.6	915.0																	
PROJECT SUBTOTALS							800	128.8	11723.6	54.4	—	979	979	0.592													
ROUNDING							—	1.2	26.4	5.6	—	21	21	—													
PROJECT TOTALS							800	130	11750.0	60	—	1000	1000	0.592													

PROJECT

VERNON

NO.

HMA 2819

SHEET 26 OF 64 SHTS

SHEET 7 OF 10

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION													QUANTITIES			
ENDORSE 1/2" YELLOW LINE													DURABLE LETTER - 11" WORD MARKING			
DURABLE RAILROAD CROSSING SYMBOL													DURABLE 4" WHITE LINE			
DURABLE 1/2" YELLOW LINE													DURABLE 8" WHITE LINE			
POWER GRADER RENTAL													ALL PURPOSE EXCAVATOR RENTAL			
TRUCK RENTAL													TOPSOIL			
DURABLE 24" STOP BAR																
ITEM NO	646.51	646.44	646.48	646.50	646.24	646.34	608.15	608.25	608.31	608.35	646.40					
UNIT	LF	EA	EA	LF	LF	LF	HR	HR	HR	CY	LF					
LOCATION																
TOTAL	129,786	8	2	71,808	64,800	60	25	20	20	16	36					
ROUTING	14			12												
TOTALS	129,800	8	2	71,820	64,800	60	25	20	20	16	36					

PROJECT VERNON

NO. HMA 2819

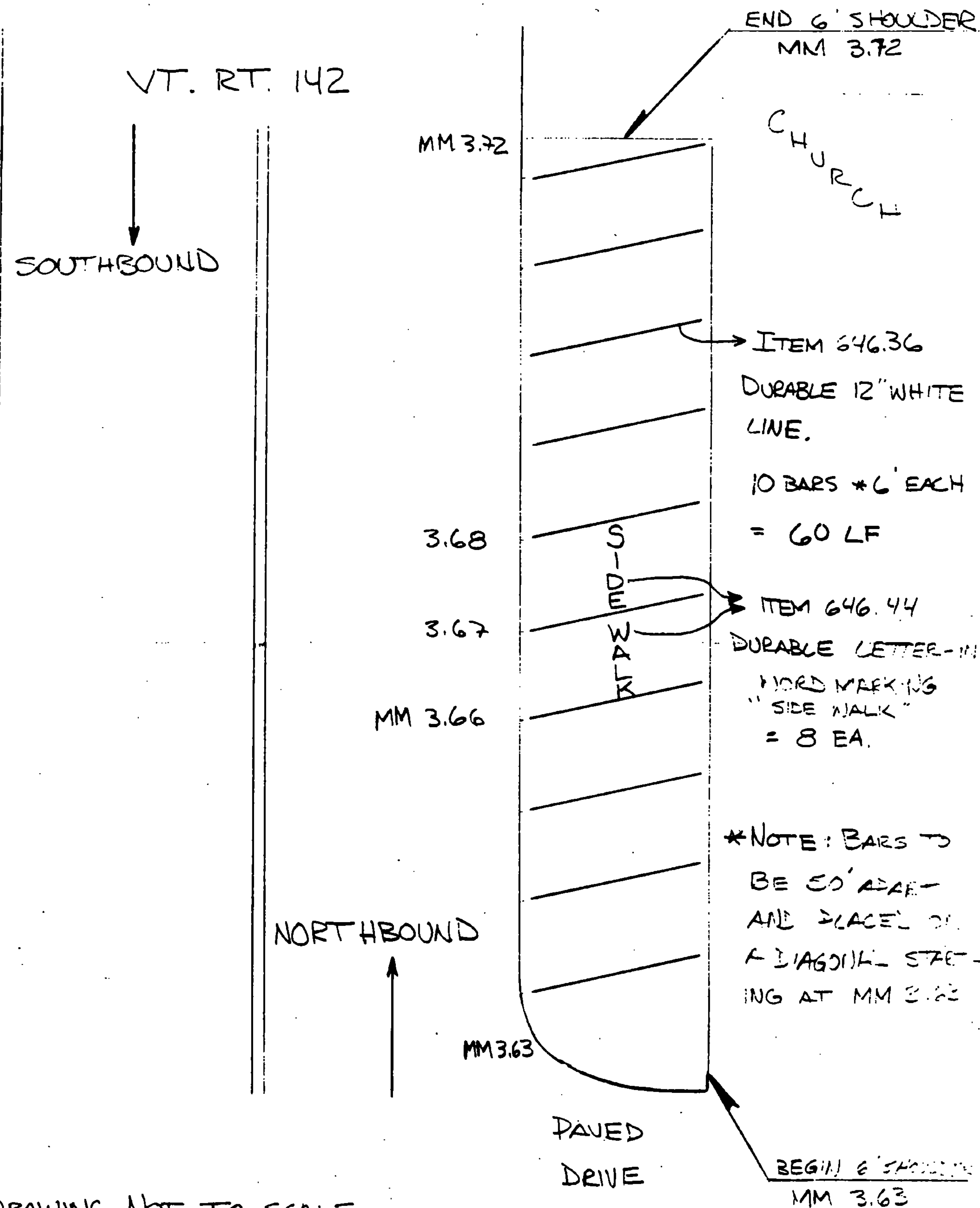
SHEET 27 OF 64
SHEET 8 OF 10

Changed by Larru wheeler 11/1e/87

[illegible][illegible]

NO. HMA 2819 5HT 28 OF 64
SHEET 9 OF 10

SHOULDER DETAIL SHEET

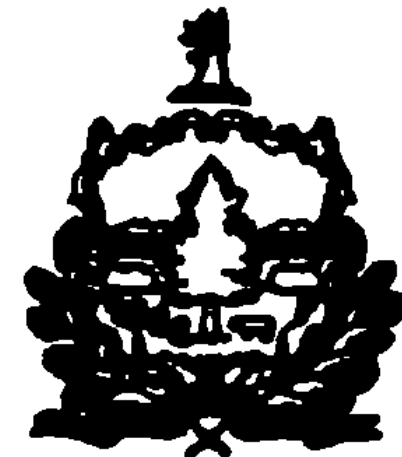


NOTE: DRAWING NOT TO SCALE

PROJECT VERNON

NO. HMA 2819
SHT. 29 OF 64 SHTS.
SHT. 10 OF 10 SHTS.

STATE OF VERMONT
AGENCY OF TRANSPORTATION



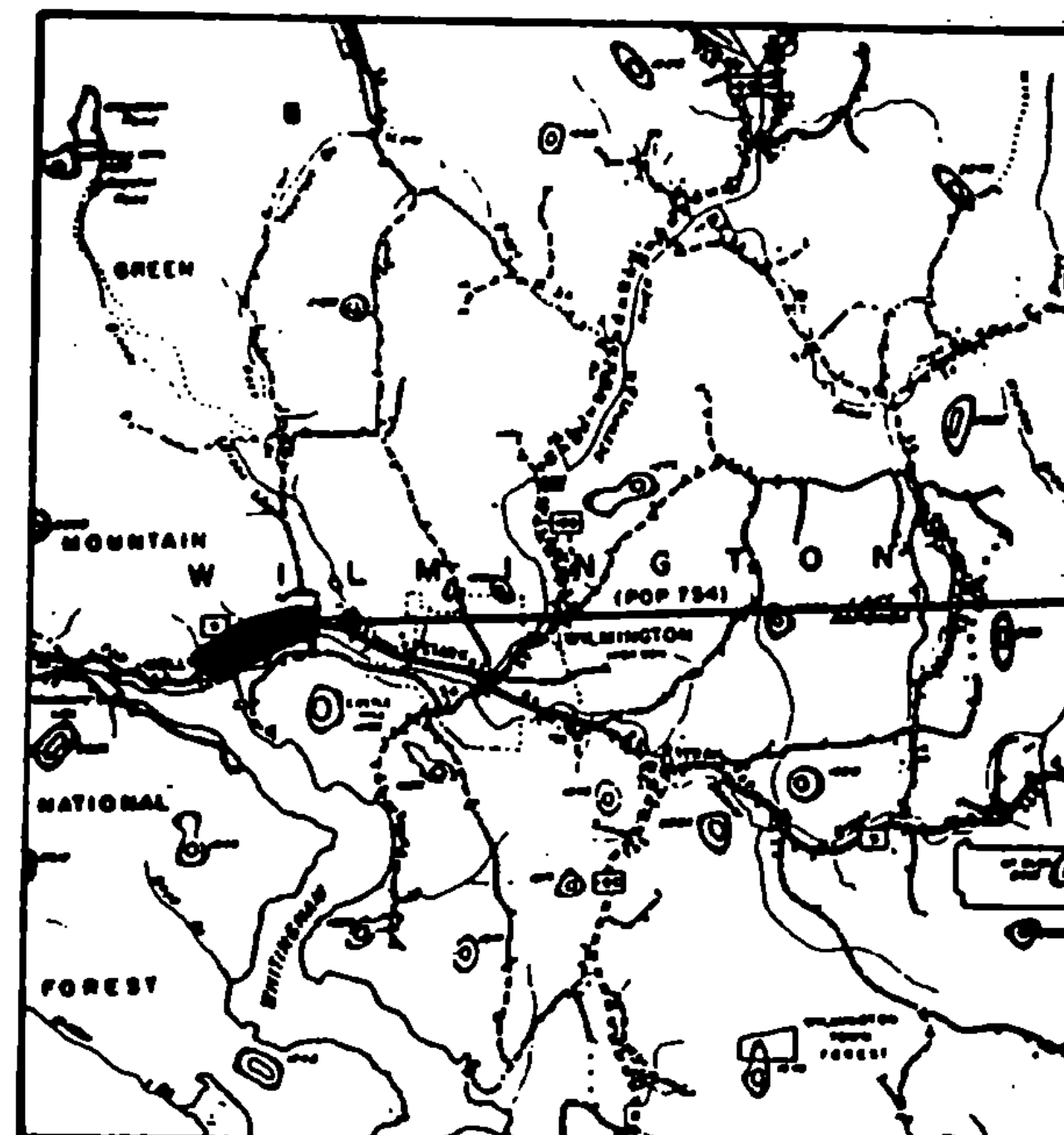
PROPOSED IMPROVEMENT

TOWN OF WILMINGTON

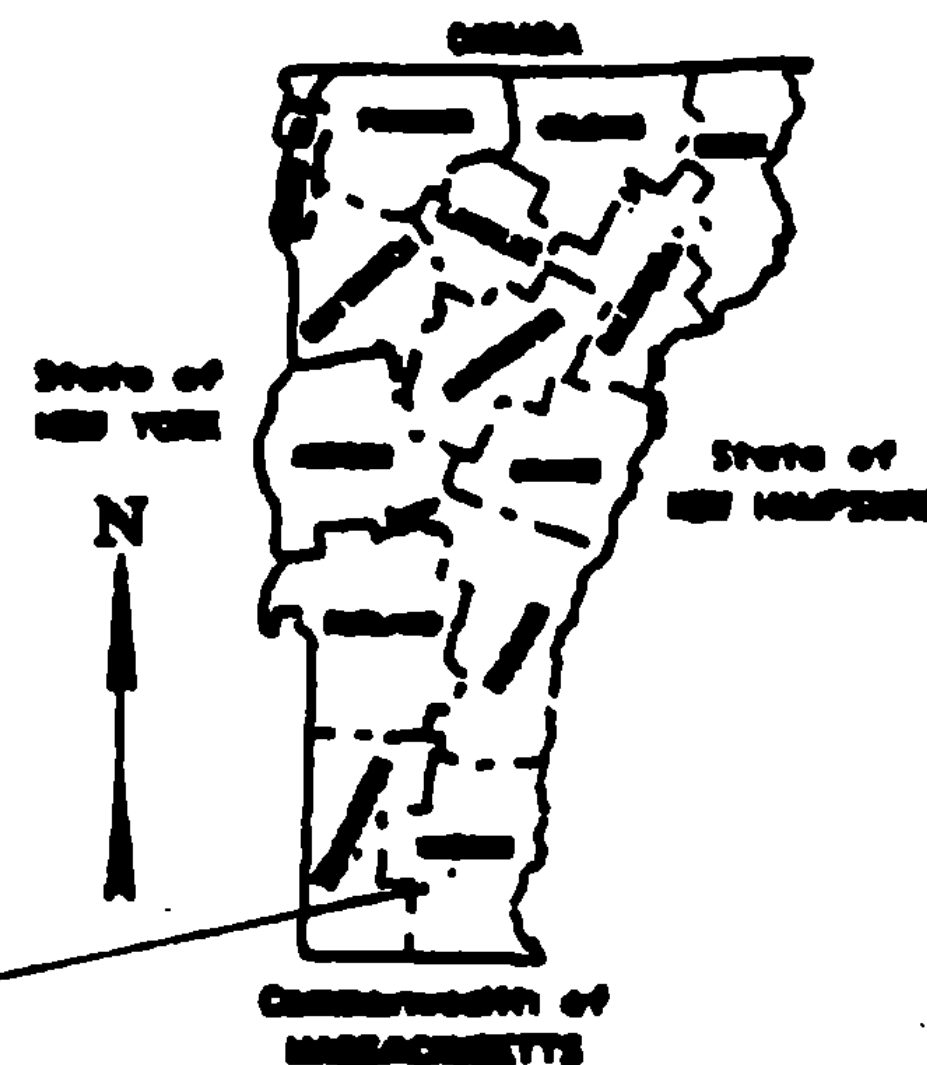
COUNTY OF WINDHAM

ROUTE NO. VT. RT. 9

ROUTE CLASS F.A.P.



SCALE IN MILES



PROJECT
HMA 2830

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, 1966 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 CHIEF ENGINEER DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED DIVISION ADMINISTRATOR DATE _____

PROJECT HMA 2830

SHEET 1 OF 7 SHEETS

SHT. 30 OF 64 SHTS.

FOR INDEX OF SHEETS, SEE SHT. 2

INDEX OF SHEETS

SHEET NO.

1	TITLE SHEET
2	INDEX OF SHEETS
3	PROJECT DESCRIPTION AND LOCATION
4	TYPICAL SECTION AND DESIGN DATA
5,6	PROJECT LENGTHS AND ITEM QUANTITIES
7	CENTERLINE DETAIL SHEET

PROJECT WILMINGTON

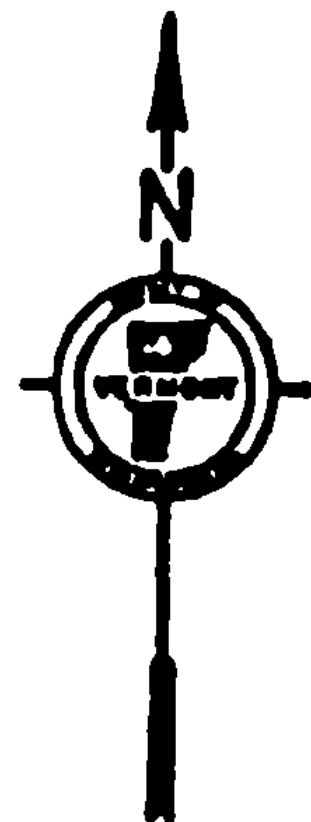
NO. HMA 2830
~~SHEET 31 OF 64 SHEETS~~
SHEET 2 OF 7 SHEETS

PROJECT DESCRIPTION AND LOCATION

TRAFFIC DATA

1986 AADT = 2940

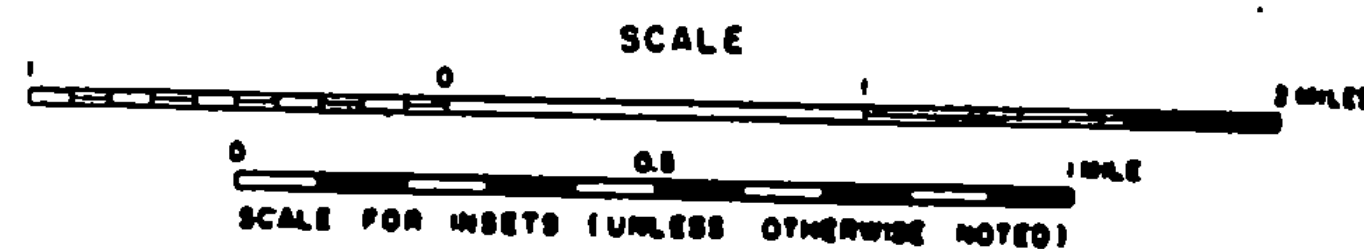
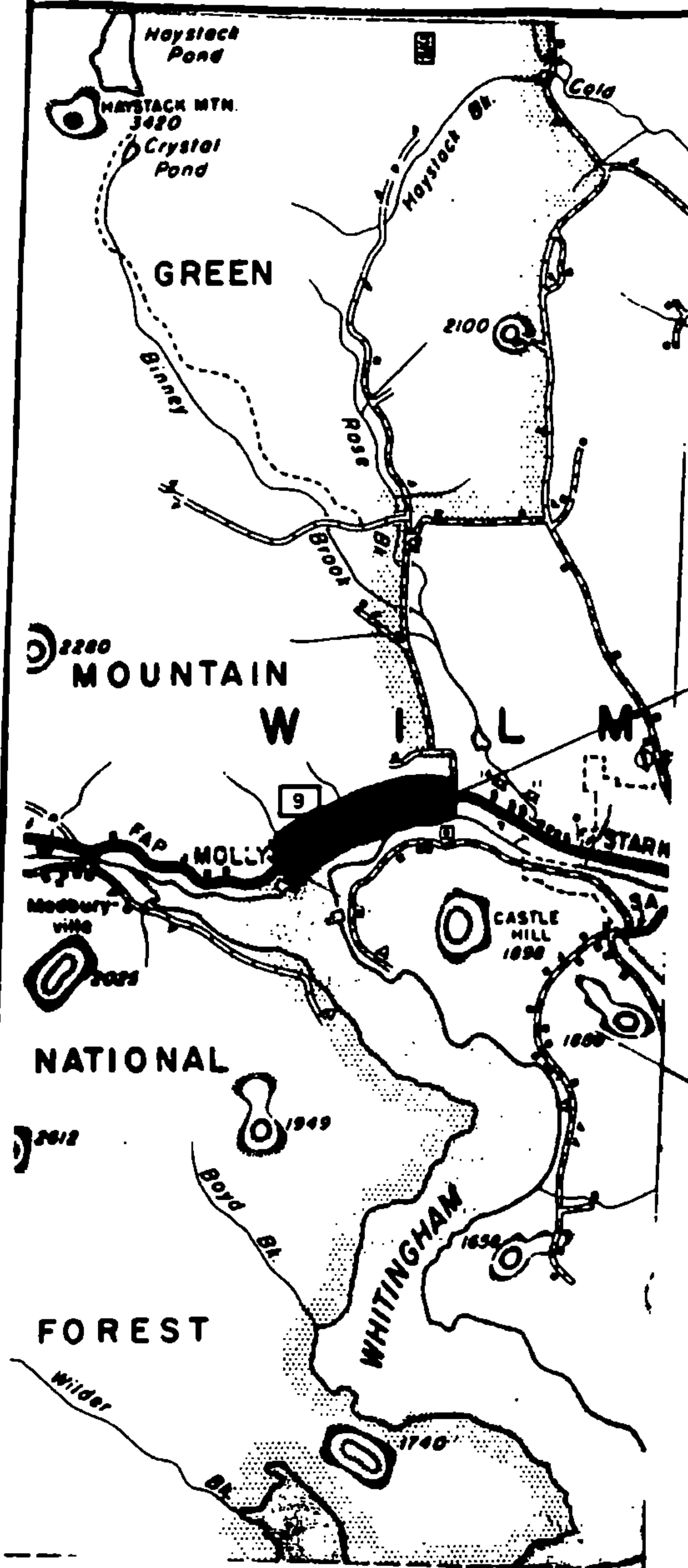
V = 50 MPH



END PROJECT HMA 2830
MM 1.978

PROJECT INCLUDES OVERLAYMENT OF
EXISTING BIT. CONC. PAVT. (SHOULDERS INCL.)
WITH 1 1/4" BIT. CONC. PAVT. EXISTING
GRAVEL SHOULDERS SHALL BE EXCAVATED,
FILLED WITH AGGREGATE SHOULDER MATERIAL
AND OVERLAYED WITH 1 1/4" BIT. CONC. PAVT.

BEGIN PROJECT HMA 2830
MM 1.270



BEGINNING IN THE TOWN
OF WILMINGTON, ON VT. 9
AT MM 1.270 AND
EXTENDING EASTERLY 0.708
MILES, TO MM 1.978.

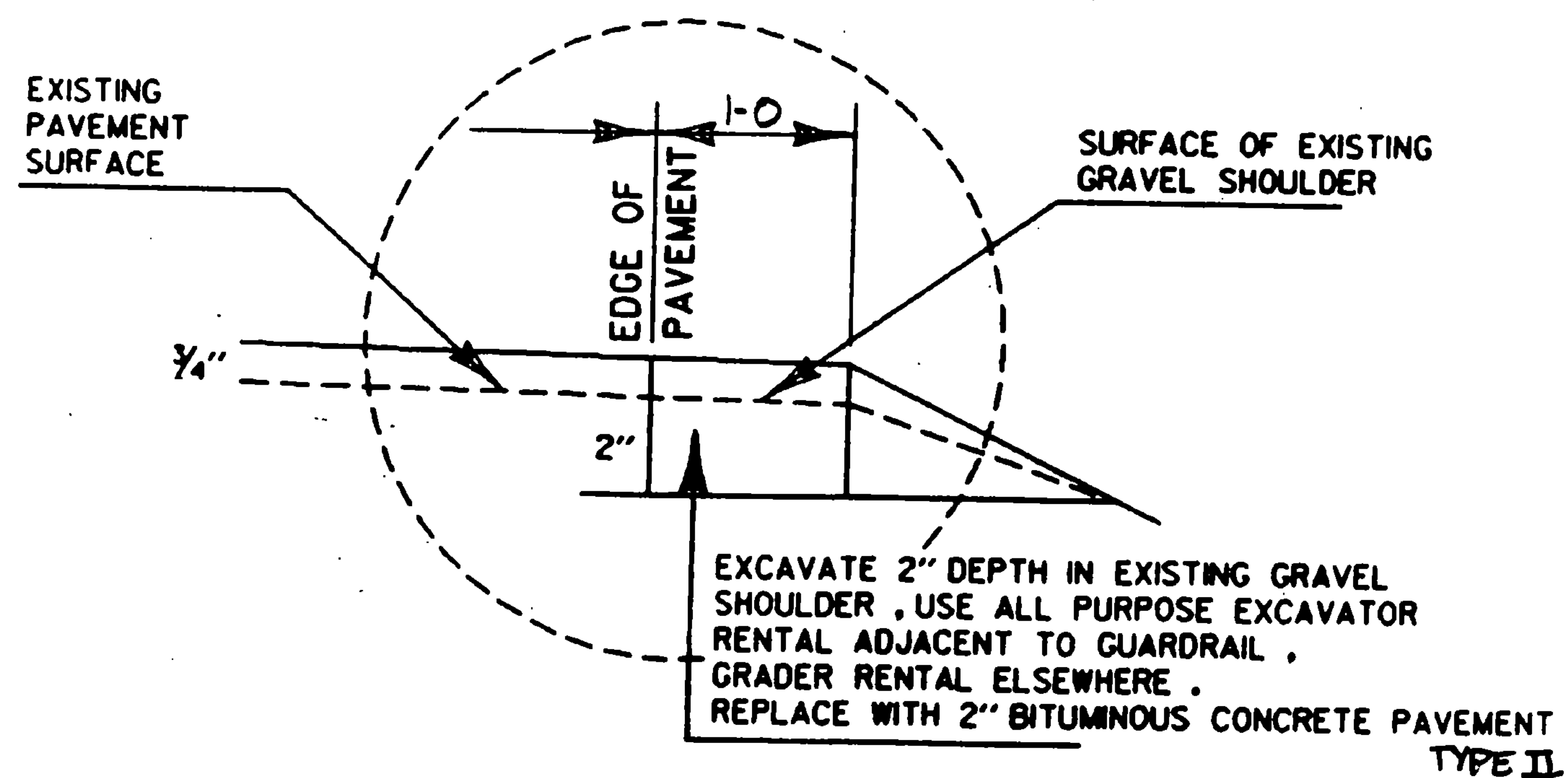
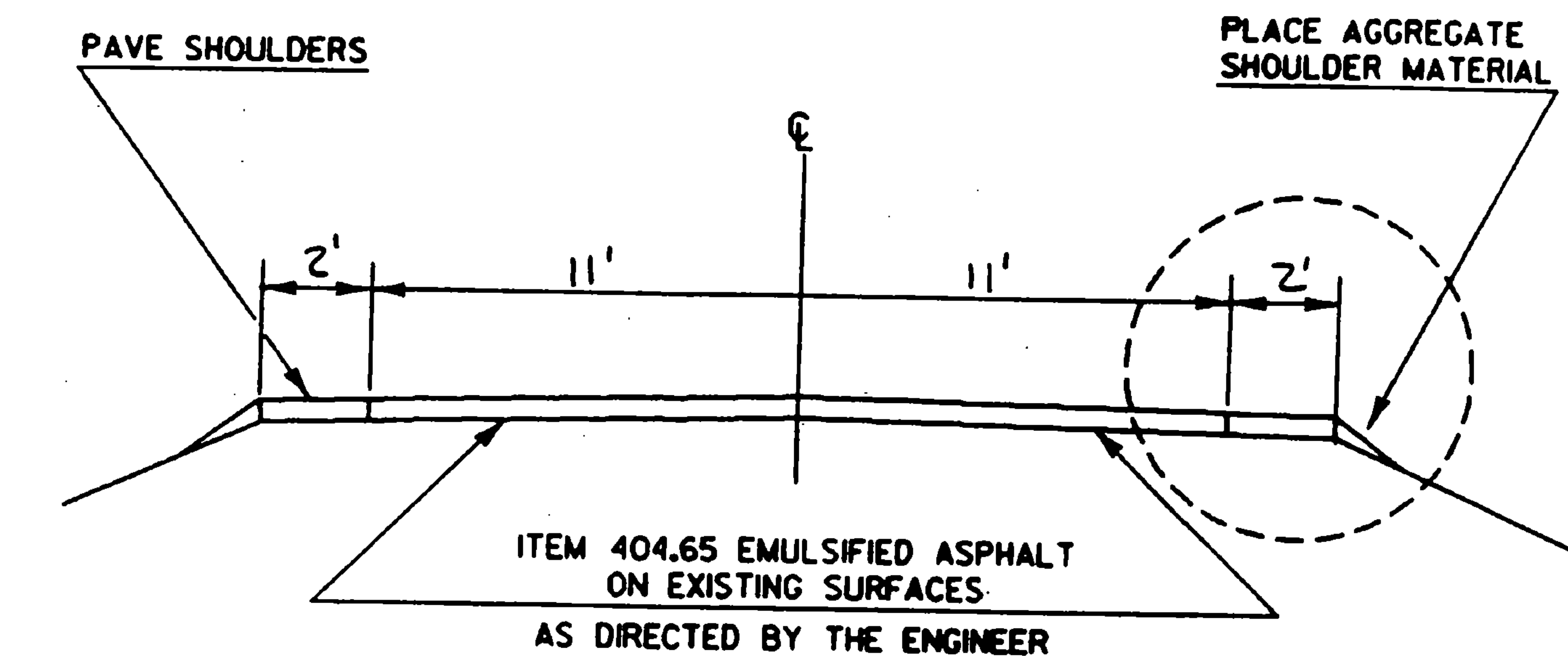
PROJECT LENGTH = 0.708 MI.
= 3738.24 FT.

PROJECT WILMINGTON

NO. HMA 2830 SHT. 32 OF 67
SHEET 3 OF 7 SHEETS

TYPICAL SECTIONS & DESIGN DATA

WILMINGTON MM 1.270 ~ MM 1.978
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (395 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III (± 1/4")
 AS DIRECTED BY THE ENGINEER
 NOTE: DESIGNED PAVED SHOULDER IS 2' WIDE
 EXISTING PAVED SHOULDER IS 1' WIDE.



PROJECT WILMINGTON

NO. HMA 2830

SHEET 4 OF 7 SHEETS

SHT 33 OF 64 SHTS.

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		WIDTH	OVERLAY DEPTH		LEVELING		AGGREGATE COURSE, TYPE II		AGGREGATE SHOULDERS		EMULSIFIED ASPHALT		BITUMINOUS CONCRETE PAVEMENT		POWER BROOM RENTAL		CHANGE OF ELEVATION (CB, DI, OR MH)		UNIFORMED TRAFFIC OFFICERS		FLAG PERSONS		MOBILIZATION		TOPSOIL	
	ITEM NO	UNIT	LOCATION	FT.	FT.	IN.	TONS/MI.	402.11 CY.	402.12 TON	404.65 CWT.	406.25 TON	406.25 TON	608.30 HR.	604.40 EA.	630.10 HR.	630.15 HR.	635.10 LS.	651.35 CY									
WILMINGTON																											
MM 1.270 1.978				3738.24	22.0	1.25				12.4	634.6																
				3738.24	4.0	1.25					115.4																
				3738.24			395					279.7															
TYPE II											92.3																
DRIVES, T.H.'S & SHOULDER REPAIR									50	1.0	10.0																
PROJECT SUBTOTAL									50	13.4	852.3	279.7	5.7	-	95.8	95.8	0.060	5									
ROUNDING									-	1.6	18	3	-	4.2	4.2	-	-	-	-	-	-	-	-	-	-	-	-
PROJECT TOTALS									50	15	1150	6	-	100	100	0.060	5										

PROJECT WILMINGTON

NO. HMA 2830

SHT. 34 OF 64
SHEET 3 OF 7

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION													
TEMPORARY 4" YELLOW LINES													
TEMPORARY 4" WHITE LINES													
TEMPORARY 4" YELLOW LINES													
POWER GRADER RENTAL													
ALL PURPOSE EXCAVATOR RENTAL													
TRUCK RENTAL													
ITEM NO	646.36	~~646.50~~	~~646.24~~	608.35	608.25	608.37							
UNIT	LF	LF	LF	Hr.	Hr.	Hr.							
LOCATION													
				15	5	5							
PROJECT SUBTOTALS	14,873	7476	~~7436~~	15	5	5							Est.
ROUNDING	7	4	~~4~~	-	-	-							
PROJECT TOTALS	14,880	7480	~~7440~~	15	5	5							

PROJECT WILMINGTON

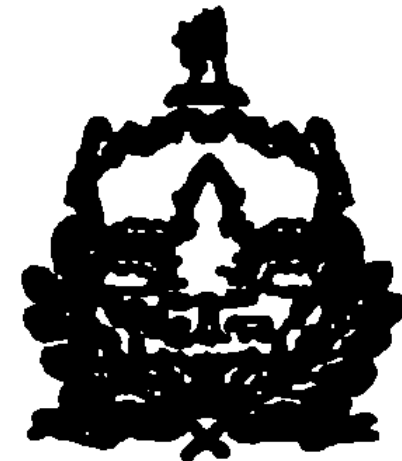
NO. HMA 2830

SHT. 35 OF 64
SHEET 6 OF 7

[illegible][illegible]

NO. HMA 2830 SHT 36 OF 61
SHEET 7 OF 7 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



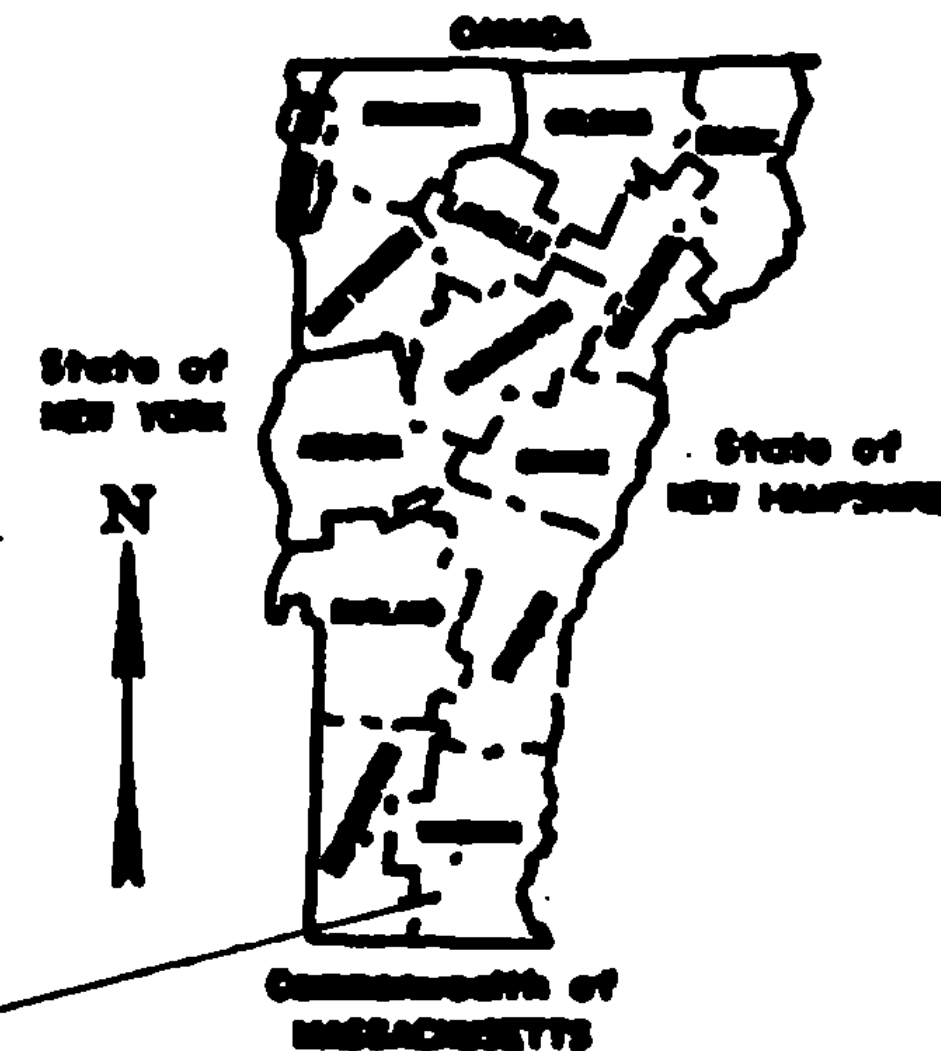
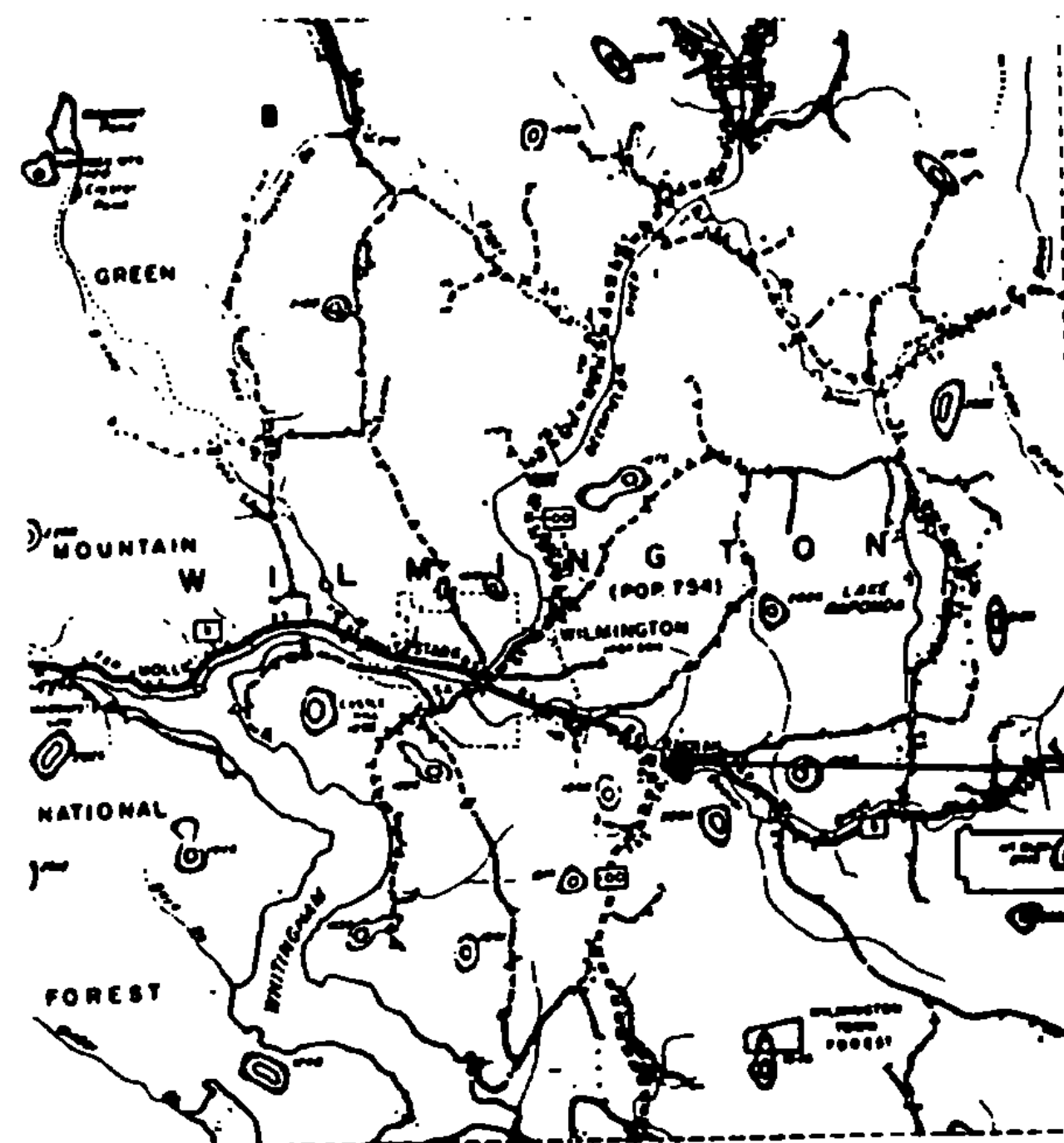
PROPOSED IMPROVEMENT

TOWN OF WILMINGTON

COUNTY OF WINDHAM

ROUTE NO. Vt. Rt. 9

ROUTE CLASS F.A.P.



PROJECT

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 1984, 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 _____ DATE _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA # 2815

SHEET 1 OF 6 SHEETS

SHT. 37 OF 64 SHTS



SCALE IN MILES

INDEX OF SHEETS

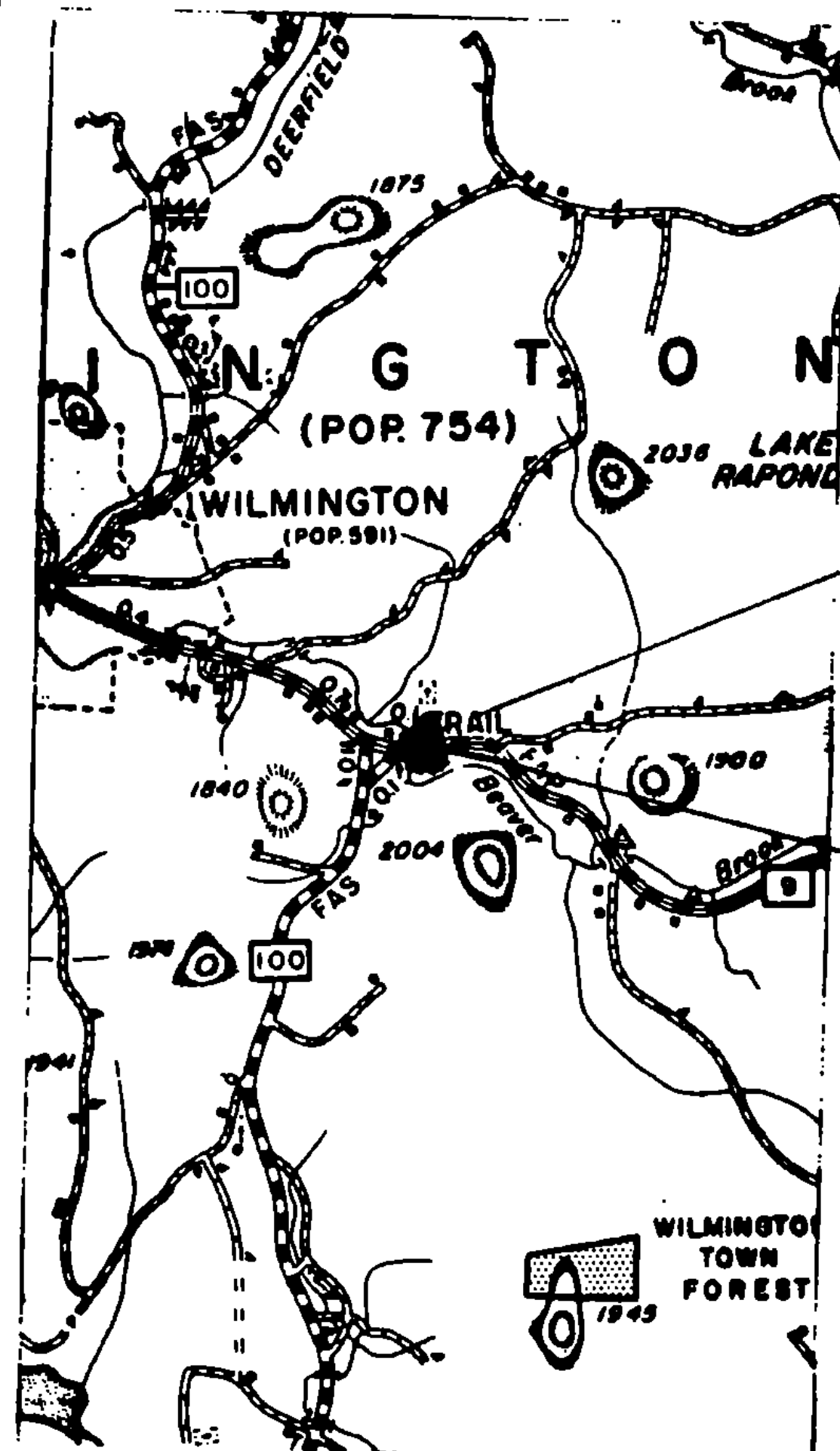
SHEET No.

- 1 TITLE SHEET
- 2 INDEX OF SHEETS
- 3 PROJECT DESCRIPTION AND LOCATION
- 4 TYPICAL SECTION AND DESIGN DATA
- 5 QUANTITIES
- 6 TEMPORARY & MARKING DETAILS

PROJECT WILMINGTON

NO. HMA 2815
SHEET 2 OF 6 SHEETS ^{SHT. 38 OF 64}

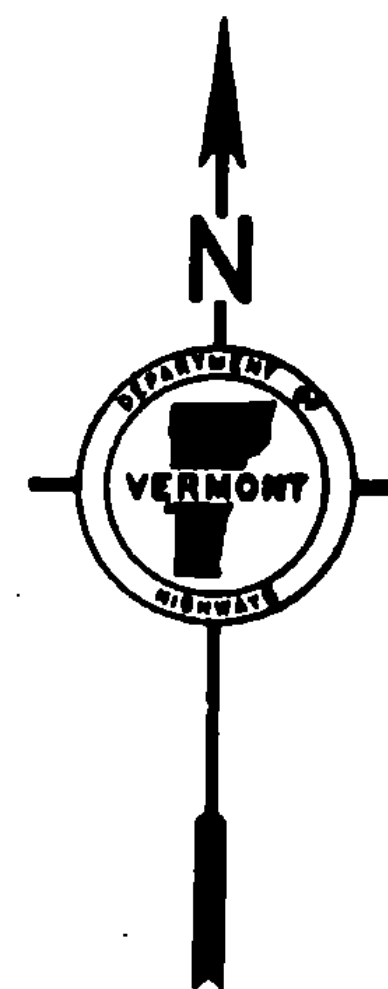
PROJECT DESCRIPTION AND LOCATION



TRAFFIC DATA
1986 AADT = 3150
V = 50 MPH

BEGIN PROJECT
MM 4.283
END OF BRIDGE #34

END PROJECT
MM 4.500



ON VT. RT. 9, 4.283 MILES
EASTERLY OF THE WILMINGTON-
SEARSBURG TOWN LINE, AND
EXTENDING EASTERLY 0.217
MILES TO MM 4.500.

PROJECT INCLUDES THE OVERLAYING OF EXISTING BITUMINOUS
CONCRETE PAVEMENT (SHOULDERS INCLUDED) WITH 1 1/4" BITUMINOUS
CONCRETE PAVEMENT.

*NOTE : BRIDGE NO. 34 OVER BEAVER BROOK IS NOT TO BE
PAVED. OVERLAY TO BE TAPERED DOWN TO MEET
BRIDGE DECK PAVEMENT AT WEST END OF BRIDGE.

PROJECT WILMINGTON

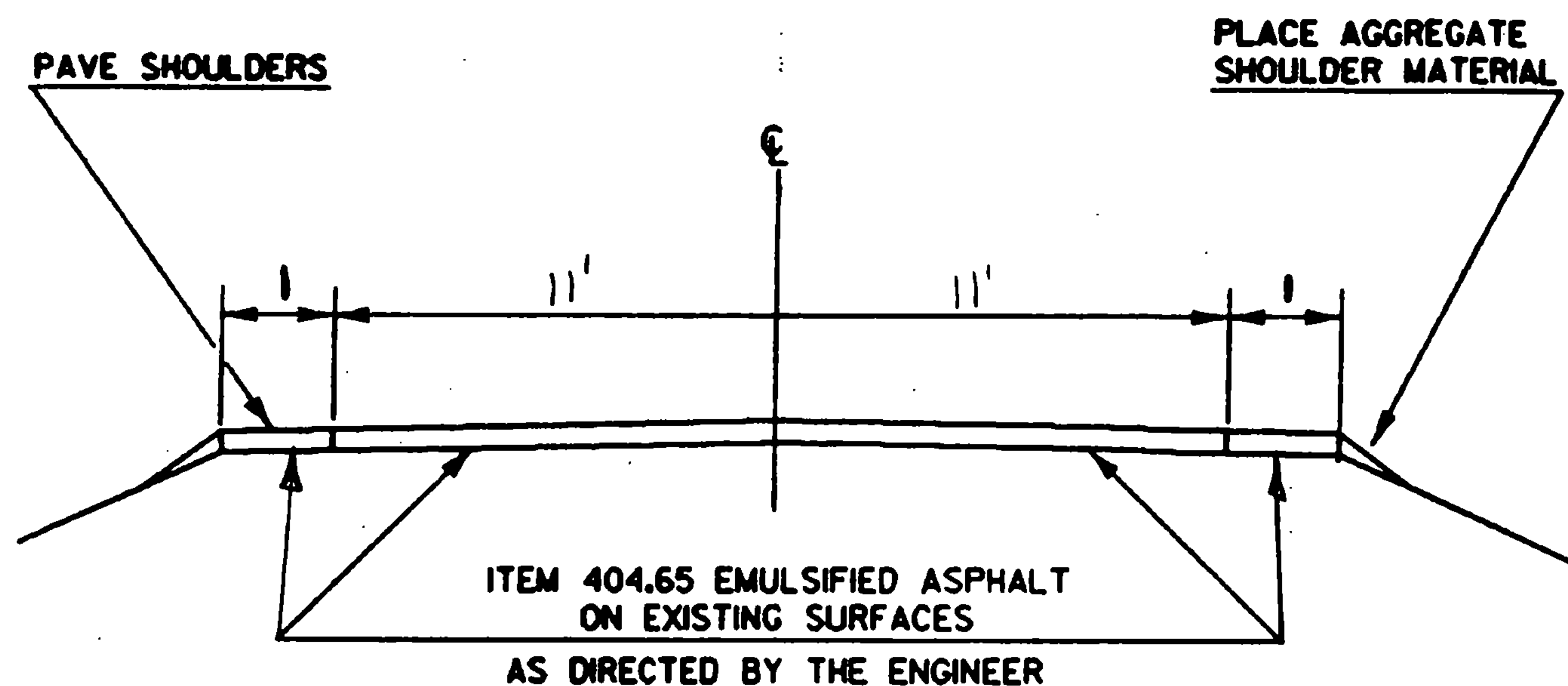
NO. HMA 2815 SHT 39 OF 6
SHEET 3 OF 6 SHEETS

TYPICAL SECTIONS & DESIGN DATA

WILMINGTON MM 4.283 ~ MM 4.500
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (473 TONS/MILE)
1/4" WEARING COURSE TYPE III ($\pm 1/4"$)

AS DIRECTED BY THE ENGINEER

NOTE: PROJECT STARTS AT WEST END OF BRIDGE 34



PROJECT WILMINGTON

NO. HMA 2815

SHEET 4 OF 6 SHEETS
SHEET 40 OF 64

QUANTITIES

[illegible]PROJECT WILMINGTON

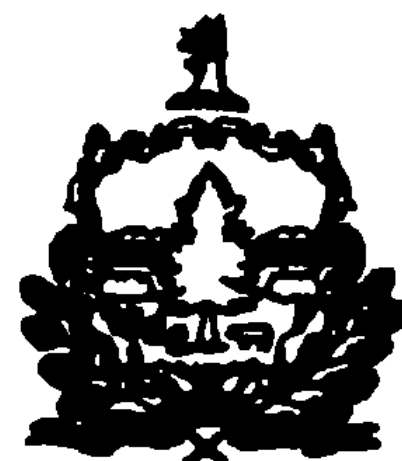
NO. HMA 2815

SHEET 41 OF 64
SHEETS OF 6 SHEETS

[illegible][illegible]

NO. HMA 2815 SAT 42 OF 64
SAT: 6 OF 6 SATS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



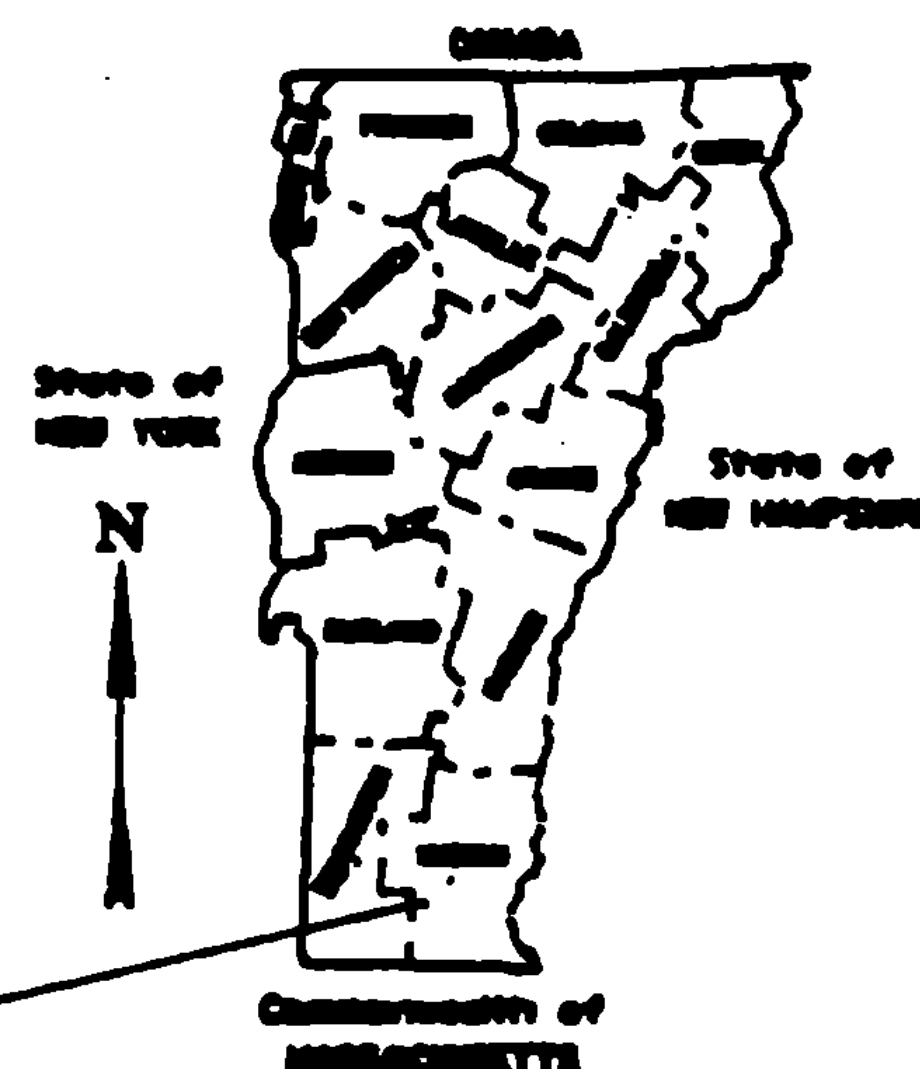
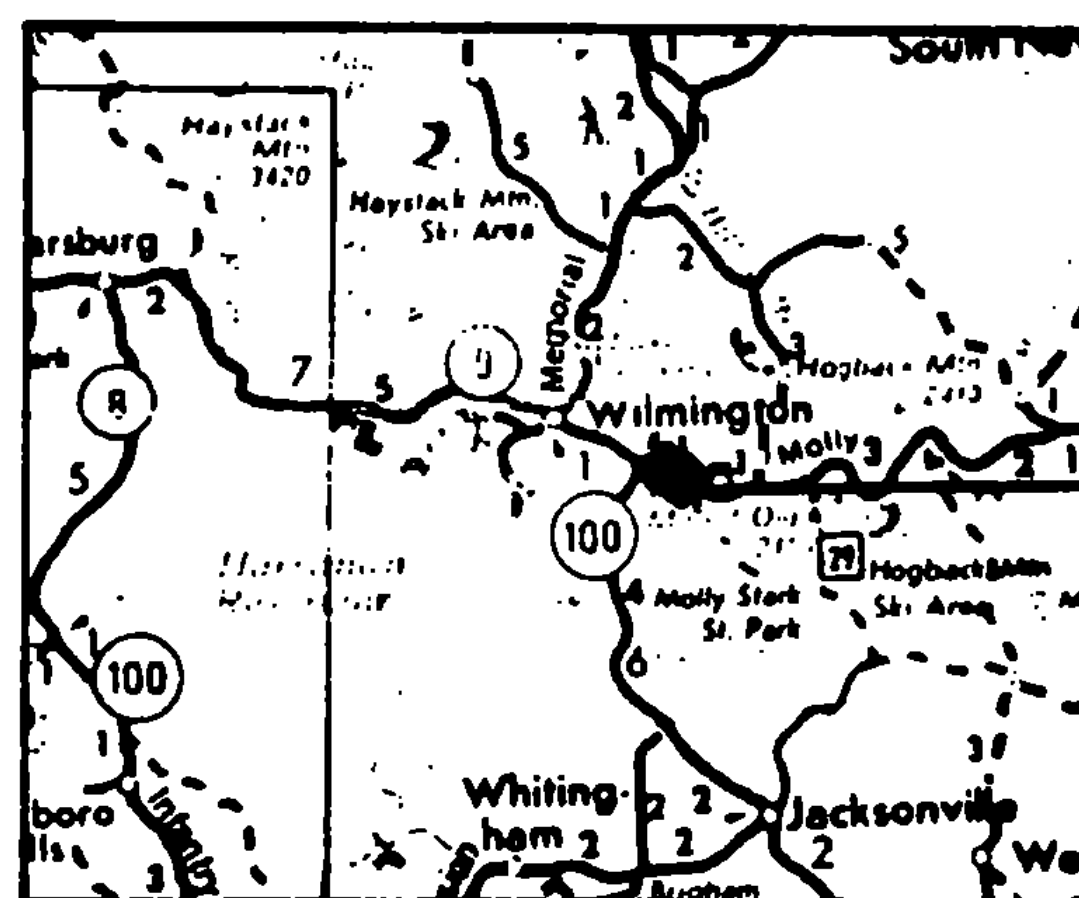
PROPOSED IMPROVEMENT

TOWN OF WILMINGTON

COUNTY OF WINDHAM

ROUTE NO. VT. RT. 9

ROUTE CLASS F.A.P.



PROJECT
HMA 2849

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 8, 1965 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

REVIEWED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED CHIEF ENGINEER DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA 2849

SHEET 1 OF 7 SHEETS

SHT. 43 OF 64 SHTS



SCALE IN MILES

FOR INDEX OF SHEETS, SEE SHT. 2

INDEX OF SHEETS

SHEET NUMBER

SHEET DESCRIPTION

1	TITLE SHEET
2	INDEX OF SHEETS
3	PROJECT DESCRIPTION & LOCATION
4	TYPICAL SECTION & DESIGN DATA
5&6	PROJECT LENGTHS & ITEM QUANTITIES
7	CENTERLINE MARKING DETAIL SHEET

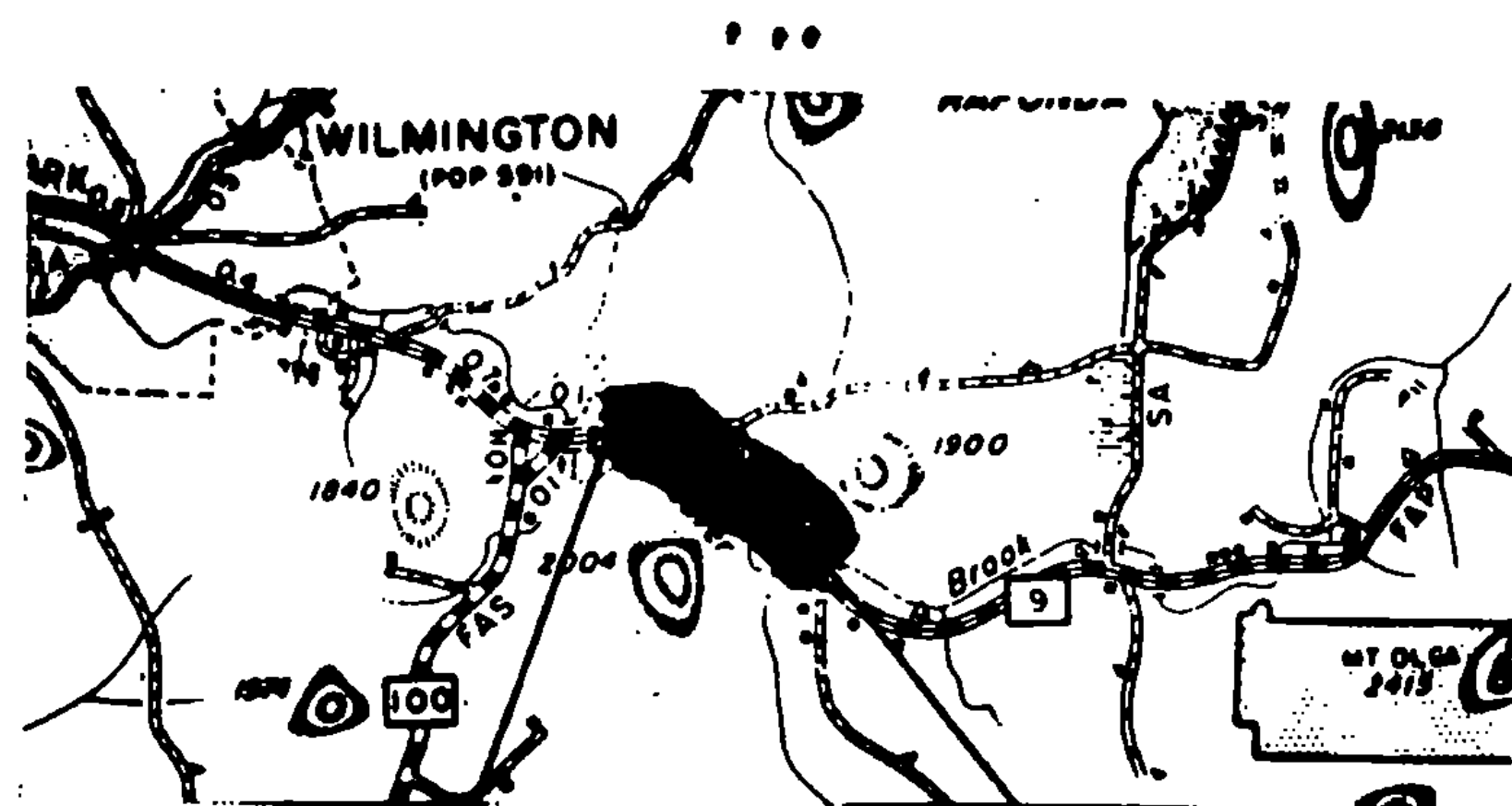
PROJECT WILMINGTON

NO. HMA 2849

SHT. 44 OF 64 SHTS

SHT. 2 OF 7 SHTS.

PROJECT DESCRIPTION AND LOCATION



BEGIN PROJECT HMA
WILMINGTON MM 4.500

END PROJECT HMA
WILMINGTON MM 5.157
STOP AT BRIDGE # 36

0 1 2
SCALE IN MILES

TRAFFIC DATA

1986 AADT = 3150

V = 50 MPH

LENGTH OF PROJECT = 0.657 MI
= 3469.00 FT

ON VT. RT. 9, 4.500 MILES EASTERLY OF THE
WILMINGTON - SEARSBURG TOWN LINE, EXTENDING
EASTERLY 0.657 MILES TO WILMINGTON MM 5.157

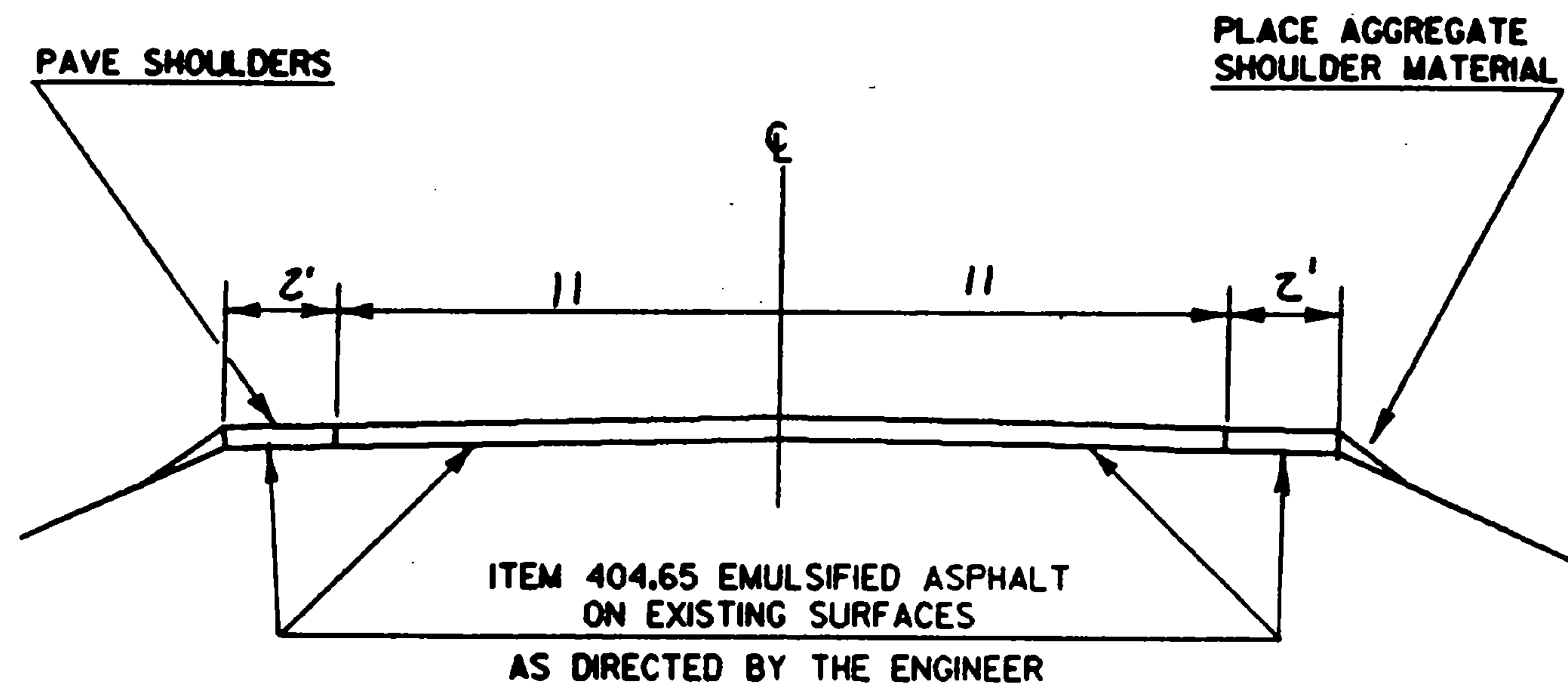
PROJECT INCLUDES OVERLAYING EXISTING BITUMINOUS CONCRETE
PAVEMENT (SHOULDERS INCLUDED) WITH 1 1/4" BITUMINOUS CONCRETE
PAVEMENT.

PROJECT WILMINGTON

NO. HMA 2849
SHT. 45 OF 64 SHTS
SHT. 3 OF 7 SHTS

TYPICAL SECTIONS & DESIGN DATA

WILMINGTON 4.500 ~ 5.157
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (518 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 NOTE: ROADWAY IS CURRENTLY STRIPED
 12' & 1'.



PROJECT WILMINGTON

No. HMA 2849

SHEET 4 OF 7 SHEETS

SHEET 46 OF 64 SHEETS

PROJECT	LENGTHS	AND	ITEM	QUANTITIES
---------	---------	-----	------	------------

ITEM NO	UNIT	LOCATION	LENGTH		WIDTH	OVERLAY DEPTH	LEVELING COURSE, TYPE II		AGGREGATE SHOULDERS		EMULSIFIED ASPHALT		BITUMINOUS CONCRETE PAVEMENT		POWER BROOM RENTAL		CHANGE OF ELEVATION (CB, DI, OR MH)		UNIFORMED TRAFFIC OFFICERS		FLAG PERSONS		MOBILIZATION	
			FT.	FT			IN.	TONS/MIL.	402.11 CY.	402.12 TON	404.65 CWT.	406.25 TON	406.25 TON	608.30 HR.	604.40 EA.	630.10 HR.	630.15 HR.	635.10 LS.						
		MM 4.500 5.157	3469.00	24	1.00	—		10.60	588.9															
			3469.00	4	1.00	—	35	0.96	107.1															
			3469.00			518				340.3														
							10	1	10															
		PROJECT TOTAL					45	12.56	706.0	340.3	526	—	91.2	91.2	0.054									
									1046.3															
		ROUTING						.44	3.7	1.74			8.8	8.8	—									
		PROJECT TOTALS					45	13.00	1050	7			100	100	0.054									

PROJECT W/100000000

NO. 4474 377

SHEET 47 OF 64
SHEET 48 OF 64

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	TEMPORARY 4" WHITE LINE TEMPORARY 4" YELLOW LINE TEMPORARY 4" YELLOW LINE TOPSOIL												
	ITEM NO	UNIT	LOCATION	QUANTITY	UNIT	LOCATION	QUANTITY	UNIT	LOCATION	QUANTITY	UNIT	LOCATION	QUANTITY
	646.50	LF		646.30	LF		646.51	LF		651.35	CY		
PROJECT TOTALS	6938			6950			13716			5			
ROUNDING	12			12			4			-			
PROJECT TOTALS	6950			6970			13,720			5			

Changed by Larry Wheeler 11/18/87

PROJECT WILMINGTON

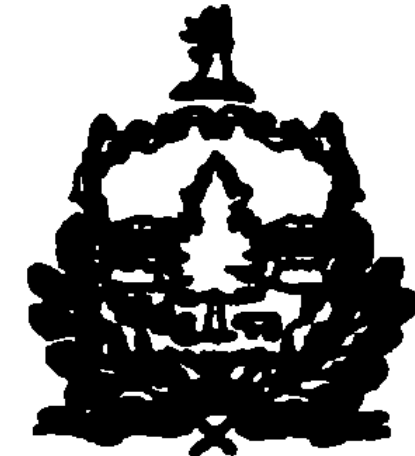
NO. HMA 2849

SHEET 48 OF 64
SHEET 6 OF 7

[illegible][illegible]

NO. HMA 2849 SHT. 49 OF 6
SHEET 7 OF 7 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



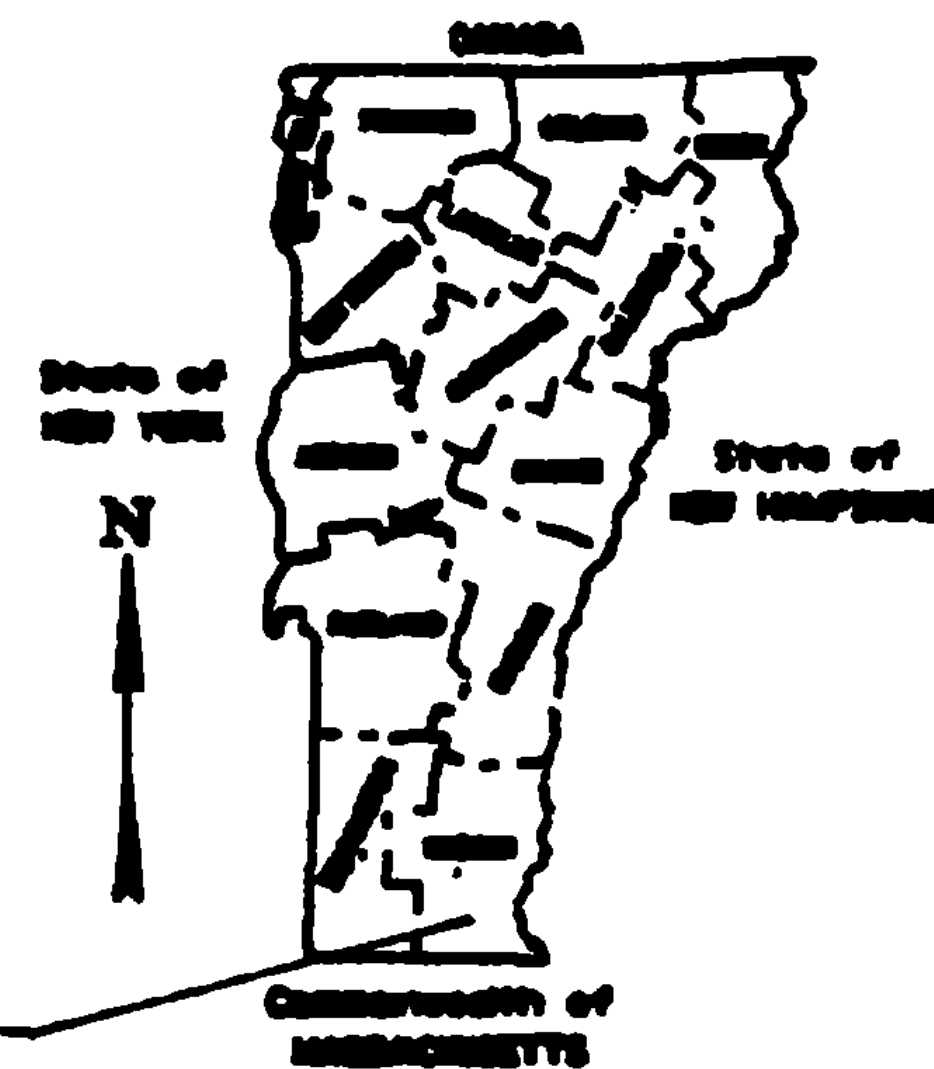
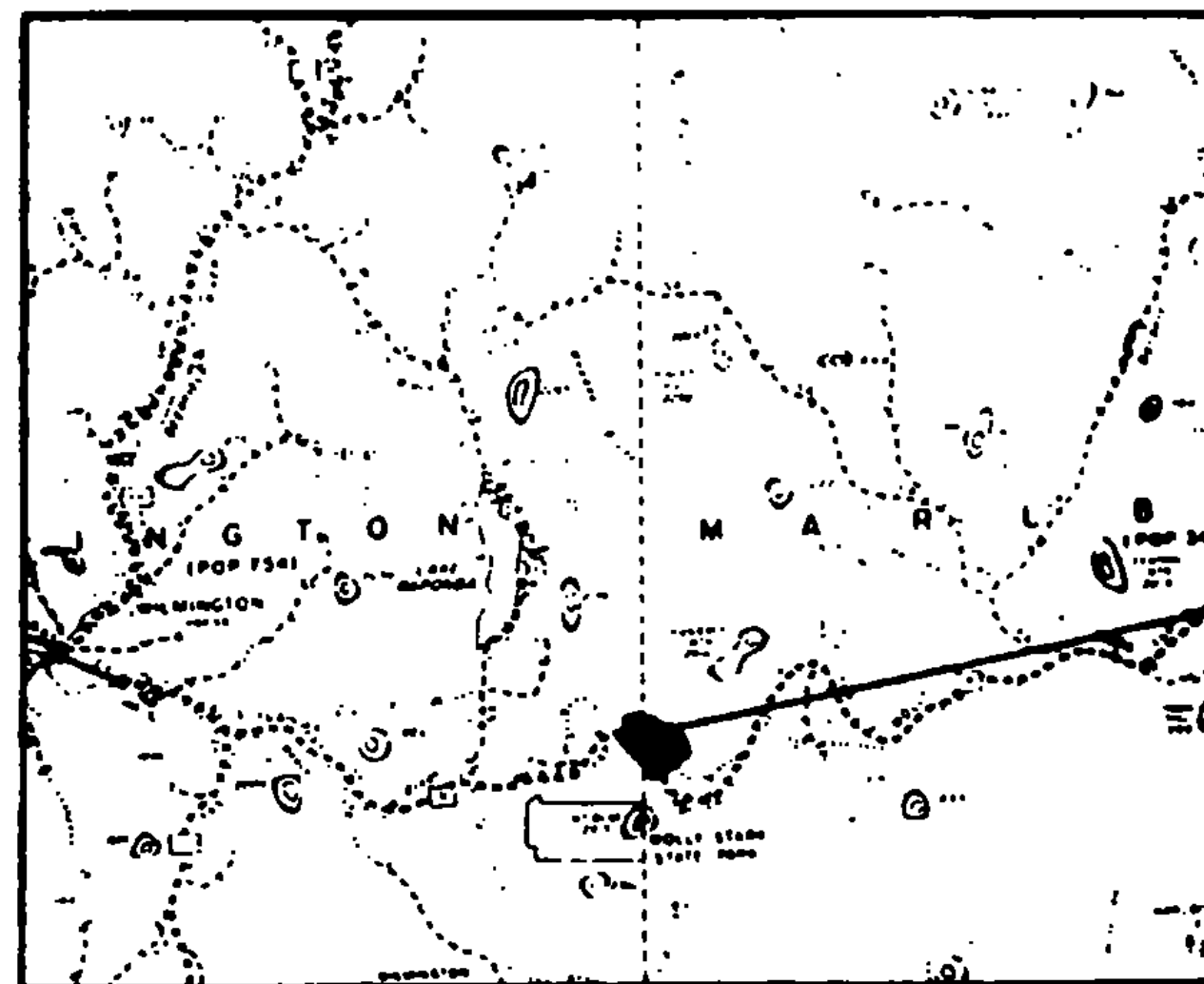
PROPOSED IMPROVEMENT

TOWNS OF WILMINGTON - MARLBORO

COUNTY OF WINDHAM

ROUTE NO. VT. RT. 9

ROUTE CLASS F.A.P.



PROJECT
HMA 2851

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, 1966 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DESIGNED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED CHIEF ENGINEER DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA 2851

SHEET 1 OF 8 SHEETS

0 1 2 3 MILES

SEE SHEET 2 OF 8 SHEETS, SEE SHEET 1

SHEET 50 OF 64 SHEETS

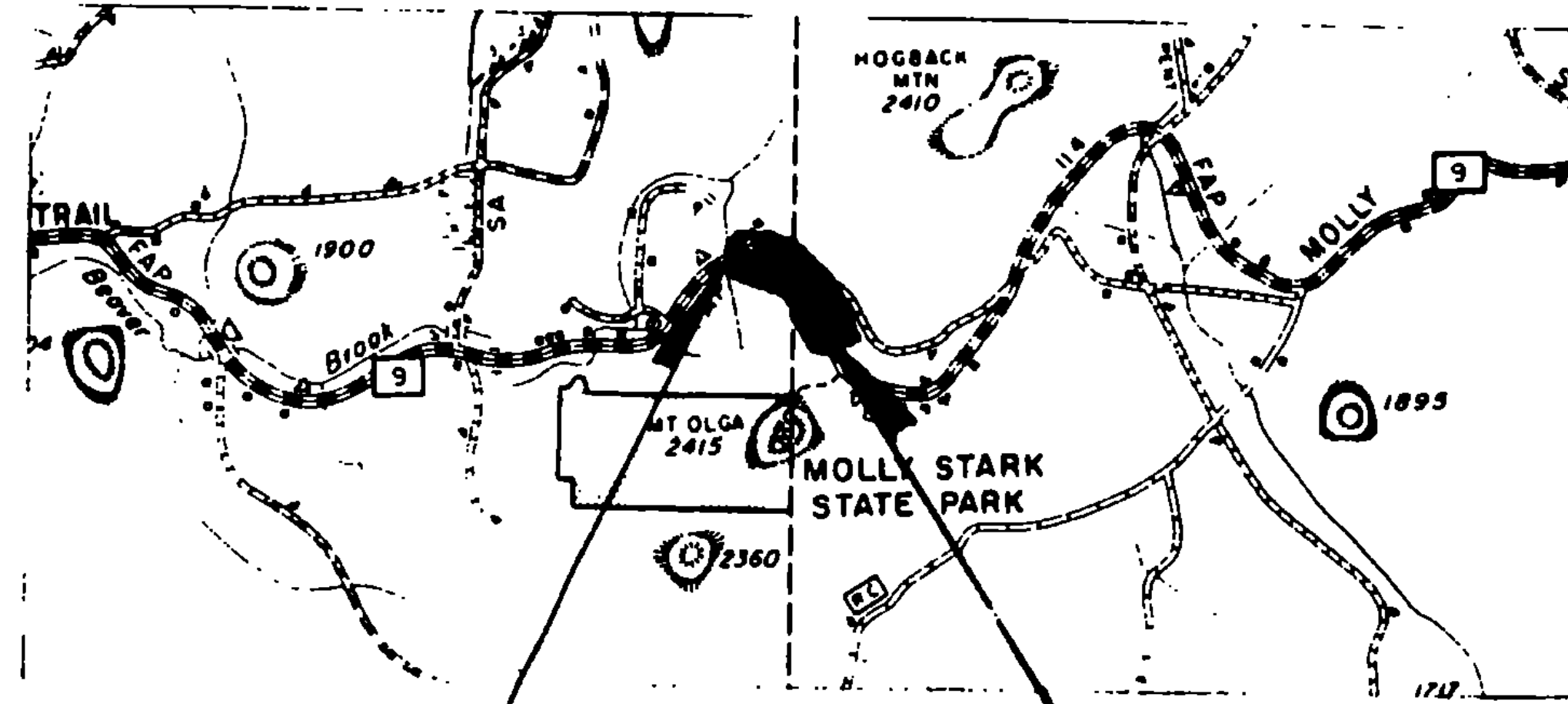
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8	CENTERLINE MARKING DETAIL SHEET

PROJECT WILMINGTON - MALE EN

NO. HMA 2851
SHT 51 OF 64 SHTS.
SHT. 2 OF 8 SHTS.

PROJECT DESCRIPTION AND LOCATION



BEGIN PROJECT HMA
WILMINGTON MM 7.118

END PROJECT HMA
MARLBORO MM 0.470

0 1 2
SCALE IN MILES

TRAFFIC DATA

1986 AADT = 3070
V = 50 MPH

LENGTH OF PROJECT = 0.628 MI.
= 3315.8 FT.

ON VT. RT. 9, 7.118 MILES EASTERLY OF THE
WILMINGTON-SEARSBURG TOWN LINE, EXTENDING
EASTERLY 0.628 MILES TO MARLBORO MM 0.470

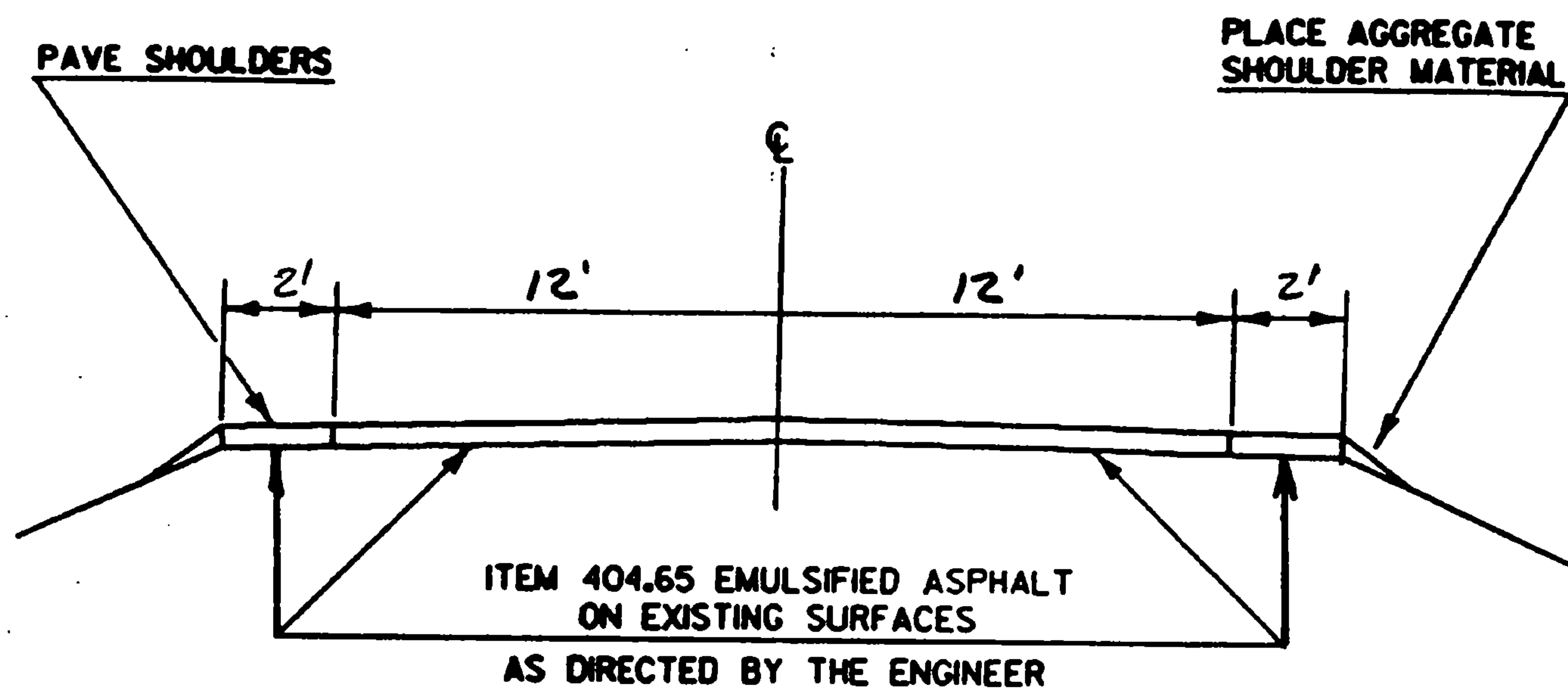
PROJECT INCLUDES OVERLAYING EXISTING BITUMINOUS CONCRETE PAVEMENT
(CHALKERS INCLUDED), WITH 1 1/4" BITUMINOUS CONCRETE PAVEMENT.

PROJECT WILMINGTON - MARLBORO

NO. HMA 2851
SHT. 52 OF 64 SHTS.
SHT. 3 OF 8 SHTS.

TYPICAL SECTIONS & DESIGN DATA

WILMINGTON MM 7.118 ~ MARLBORO MM 0.280
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (341 TONS/MILE)
1 1/4" WEARING COURSE TYPE III (± 1/4")
AS DIRECTED BY THE ENGINEER



PROJECT WILMINGTON-MARLBORO

NO. HMA 2851

SHEET 4 OF 8 SHEETS

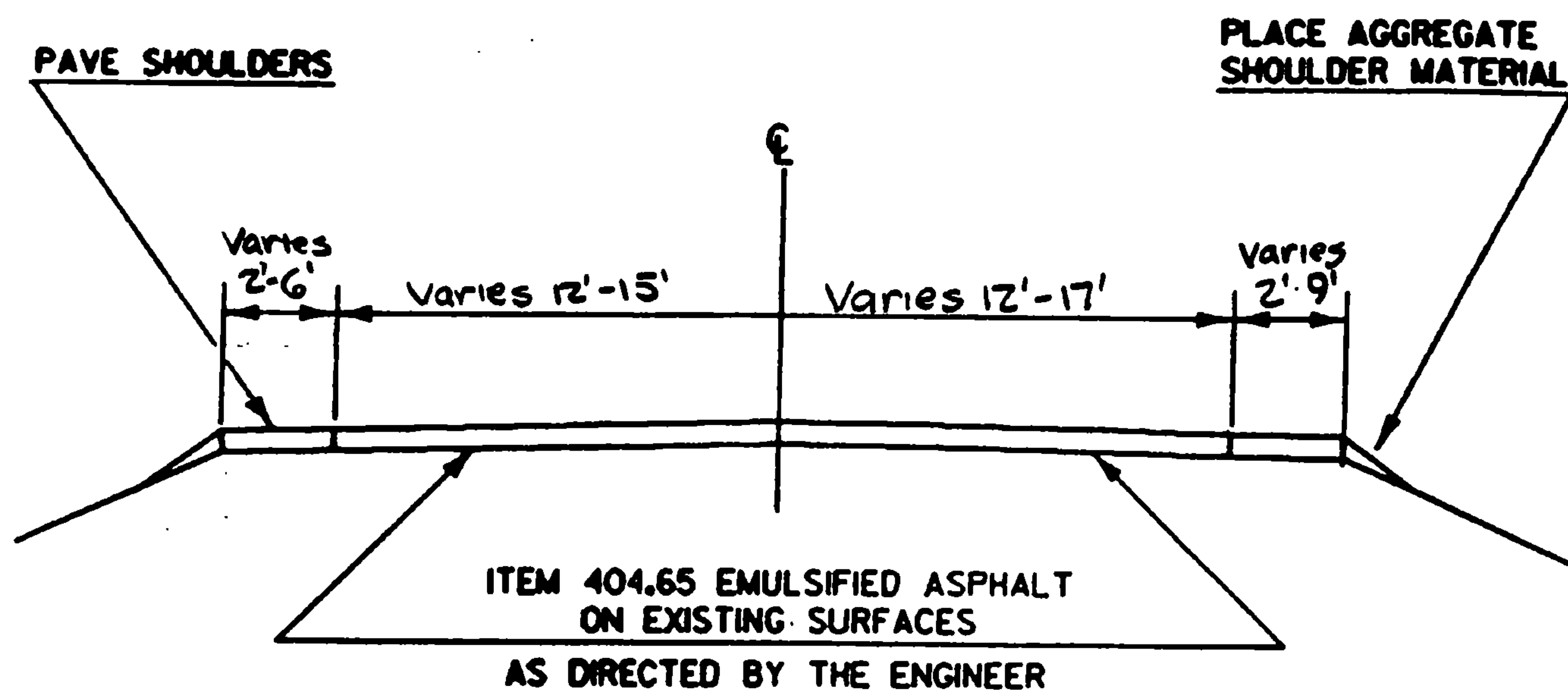
SHEET 53 OF 64 SHTS

TYPICAL SECTIONS & DESIGN DATA

MARLBORO MM 0.280 ~ MM 0.470
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (432 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)

AS DIRECTED BY THE ENGINEER

NOTE: ROADWAY & SHOULDER WIDTHS TAPER TO LIMITS
 SHOWN STARTING AT MM 0.280 TO END OF
 PROJECT.



PROJECT WILMINGTON - MARLBORO

NO. HMA 2851

SHEET 5 OF 8 SHEETS

SHT. 54 OF 64

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM NO	LENGTH		WIDTH	OVERLAY DEPTH	LEVELING DEPTH	AGGREGATE COURSE, TYPE IV	AGGREGATE SHOULDERS	AGGREGATE SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS ASPHALT TYPE III	BITUMINOUS CONCRETE TYPE III	POWER BROOM RENTAL	CHANGE OF ELEVATION (CB, DI, OR MH)	UNIFORMED TRAFFIC OFFICERS	FLAG PERSONS	MOBILIZATION
	FT.	FT.														
UNIT	FT.	FT.	IN.	TONS/MIL.	402.11 CY.	402.12 TON	404.65 CWT.	406.25 TON	406.25 TON	608.30 HR.	604.40 EA.	630.10 HR.	630.15 HR.	635.10 LS.		
LOCATION																
WILMINGTON MM 7.118 - MARLBORO MM 0.270	2312.64	24	1.25		-	-	7.68	428.3								ROADWAY
	2312.64	6	1.25		-	25	1.28	71.4								SHOULDERS
	2312.64			341					149.4							LEVELING
MARL. MM 0.280 - 0.470	1003.20	29.5	1.25		-	-	3.88	216.7								
	1003.20	9	1.25		-	-	1.32	73.5	82.1							
	1003.20			432												
DRIVES & T.H.'s						25	1.0	10								EST.
PROJECT SUBTOTALS						50	15.2	799.9	231.5	5.0	-	90.1	90.1	0.054		
								1031.4								
ROUNDING						-	0.8	8.6	1.0			9.9	9.9			
PROJECT TOTALS						50	16	1040	6.0	-		100	100	0.054		

PROJECT Highway 71 - Marlboro NO. HMA 2801

SHEET 55 OF 64
SHEET 6 OF 8

PROJECT	LENGTHS	AND	ITEM	QUANTITIES
1	100	100	100	100
2	100	100	100	100
3	100	100	100	100
4	100	100	100	100
5	100	100	100	100
6	100	100	100	100
7	100	100	100	100
8	100	100	100	100
9	100	100	100	100
10	100	100	100	100
11	100	100	100	100
12	100	100	100	100
13	100	100	100	100
14	100	100	100	100
15	100	100	100	100
16	100	100	100	100
17	100	100	100	100
18	100	100	100	100
19	100	100	100	100
20	100	100	100	100
21	100	100	100	100
22	100	100	100	100
23	100	100	100	100
24	100	100	100	100
25	100	100	100	100
26	100	100	100	100
27	100	100	100	100
28	100	100	100	100
29	100	100	100	100
30	100	100	100	100
31	100	100	100	100
32	100	100	100	100
33	100	100	100	100
34	100	100	100	100
35	100	100	100	100
36	100	100	100	100
37	100	100	100	100
38	100	100	100	100
39	100	100	100	100
40	100	100	100	100
41	100	100	100	100
42	100	100	100	100
43	100	100	100	100
44	100	100	100	100
45	100	100	100	100
46	100	100	100	100
47	100	100	100	100
48	100	100	100	100
49	100	100	100	100
50	100	100	100	100
51	100	100	100	100
52	100	100	100	100
53	100	100	100	100
54	100	100	100	100
55	100	100	100	100
56	100	100	100	100
57	100	100	100	100
58	100	100	100	100
59	100	100	100	100
60	100	100	100	100
61	100	100	100	100
62	100	100	100	100
63	100	100	100	100
64	100	100	100	100
65	100	100	100	100
66	100	100	100	100
67	100	100	100	100
68	100	100	100	100
69	100	100	100	100
70	100	100	100	100
71	100	100	100	100
72	100	100	100	100
73	100	100	100	100
74	100	100	100	100
75	100	100	100	100
76	100	100	100	100
77	100	100	100	100
78	100	100	100	100
79	100	100	100	100
80	10			

ITEM DESCRIPTION

ION

TEMPORARY

~~TABLE 4~~

~~TABLE~~

ARY
4" WHITE LINE
~~ABLE 4" YELLOW LINE~~
TEMPORARY 4" YELLOW LINE
TOPSOIL

[illegible]

Changed by Larry Wheeler 11/18/87

PROJECT WILMINGTON - MAPLEWOOD NO. HMP 2851

SHEET 56 OF 64
SHEET 7 OF 8

TEMPORARY 4" YELLOW LINE									
	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY Q	QUANTITY RT	TOTAL
	WILMINGTON 7.118	MARLBORO 0.470	SOLID	SOLID		3315.84		3315.84	6631.68
									<u>6631.68</u>
									SUBTOTAL 6631.68
*	DIELECT 80' FOR EACH INTERSECTION WITH TOWN HIGHWAYS (2 * 80') = 160 LF								-160 LF
									<u>6471.68</u>
									SUBTOTAL 6471.68
									* 2
*	ASSUME 100% LOSS OF Q DURING LEVELING : 2 * 6472 =								12,944 L.

[illegible]

NO. HMA 2851 SHT 57 OF 6
SHEET 8 OF 8 SHEETS