

STATE OF VERMONT

AGENCY OF TRANSPORTATION

Date APR 18 1988

Contractor PIKE INDUSTRIES, INC.

Signature *Reginald D. Mart*

Vice President  
Title



CONTRACT PLANS

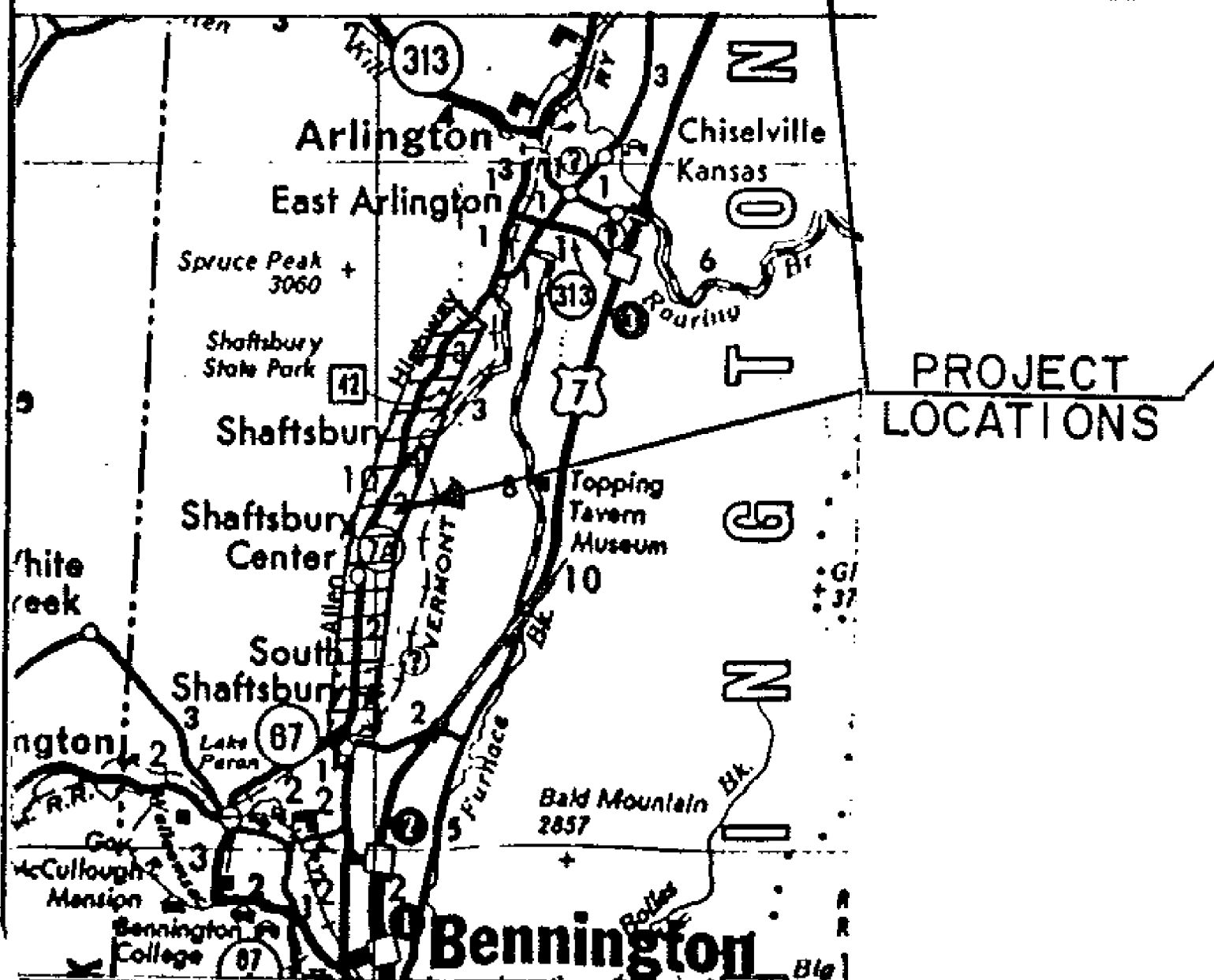
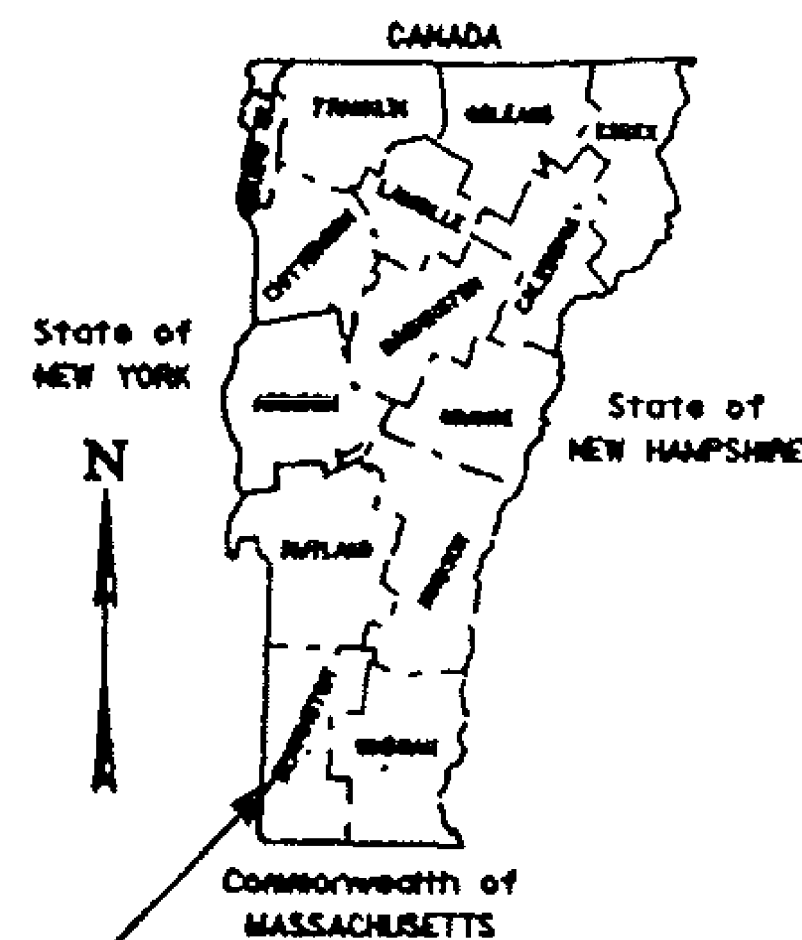
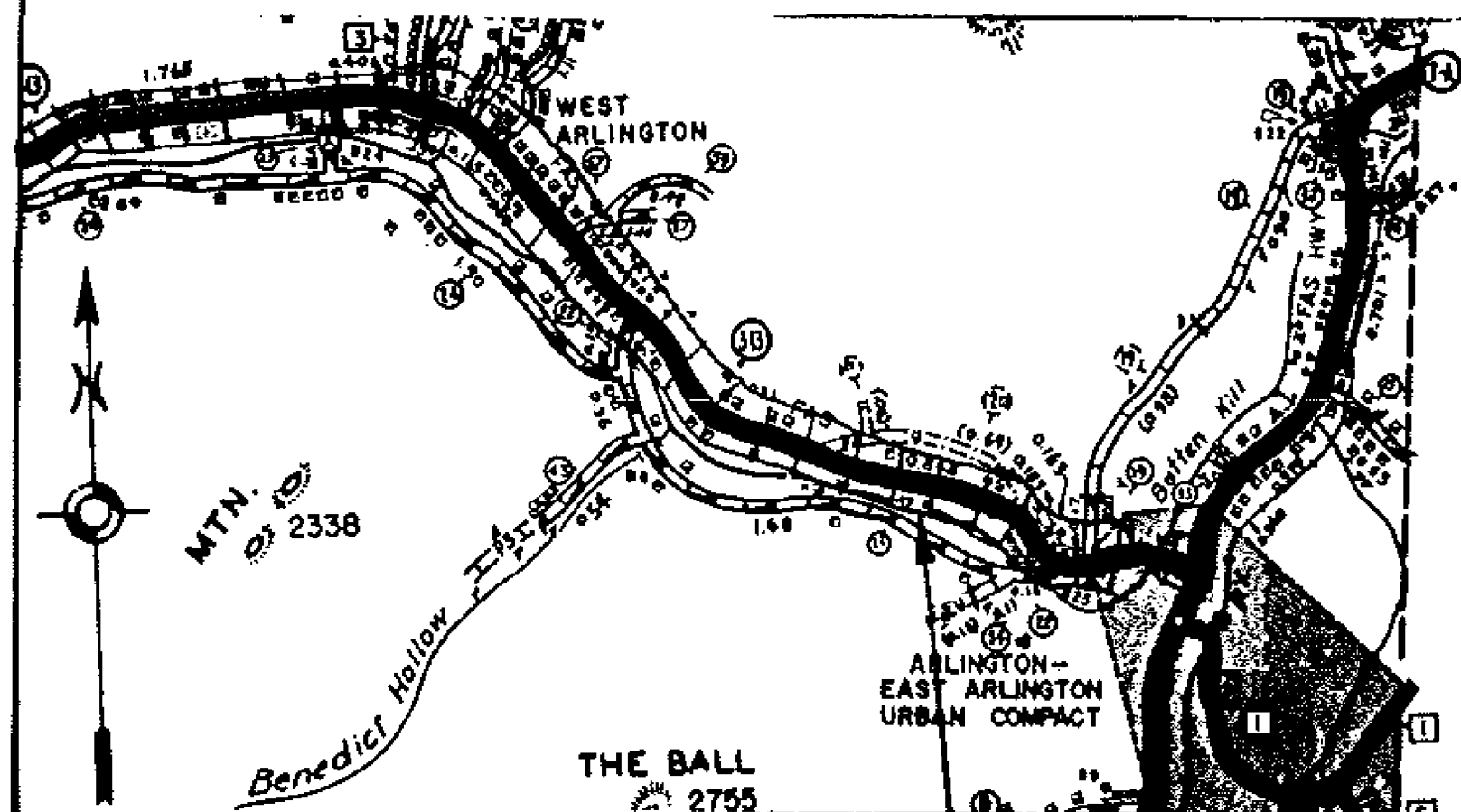
THESE PLANS DO NOT REFLECT  
CHANGES MADE ON THE PROJECT.

*Glen Gerbank*  
Transportation Secretary's Signature  
**PROPOSED IMPROVEMENT**  
TOWNS OF ARLINGTON / SHAFTSBURY-ARLINGTON

COUNTY OF BENNINGTON

ROUTE NO. VT. 313 AND VT. 7A

ROUTE CLASS FAS



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 26, 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 K. Kelley* DATE *9/14/87*  
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
DIVISION ADMINISTRATOR

PROJECT *HMA 2824*  
*HMA 2852*  
*HMA 2858*  
SHEET *1* OF *34* SHEETS

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STANDARD SHEET E-8 (2-3-86R)

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STANDARD SHEET E-19 (2-3-86R)

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PROJECT SHAFTSBURY-ARLINGTON  
ARLINGTON  
ARLINGTON

NO. HMA 2824  
HMA 2852  
HMA 2858  
SHEET 2 OF 34 SHEETS

# PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		OVERLAY DEPTH		AGGREGATE SHOULDERS		AGGREGATE ASPHALT		BITUMINOUS CONCRETE PAVEMENT		POWER GRADER RENTAL		POWER EXCAVATOR RENTAL		TRUCK BROOM RENTAL		INFORMED TRAFFIC OFFICERS		MOBILIZATION	
	ITEM NO.	F.T.	IN.	CY	TON	CWT	TON	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	LS		
Shafts - Arlington HMA 2824	32076	28	1 1/4	400	695	110	8960	36	36	50	36	403	403	8	8	0.01				
HMA 2852	528	32	1 1/4	-	-	2	180	-	-	1	-	8	8	0.01						
HMA 2858	35634	23	1 1/4	1250	2180	110	8680	112	112	51	112	391	391	0.51						
<b>GRAND TOTAL</b>	<b>64238</b>	<b>-</b>	<b>-</b>	<b>1650</b>	<b>2875</b>	<b>222</b>	<b>17820</b>	<b>148</b>	<b>148</b>	<b>102</b>	<b>148</b>	<b>802</b>	<b>802</b>	<b>1</b>						

ITEM DESCRIPTION	4" WHITE LINE		4" YELLOW LINE		DIRTABLE 4" WHITE LINE		DIRTABLE 24" STOP BAR		DIRTABLE LETTER IN WORD MARKING		TOPSOIL		FLANGED SIGNS		TRAFFIC SIGNS		REMOVING SIGNS		REMOVING CHANNEL SIGN POST	
	ITEM NO.	LF	LF	EA	EA	CY	SF	LB	EA	EA	CY	SF	LB	EA	EA	EA	EA	EA	EA	EA
HMA 2824	64650	10800	230	135	3	12	135	-	-	-	-	-	-	-	-	-	-	-	-	-
HMA 2852	1056	2000	-	26	-	17	-	22	65	4	-	-	-	-	-	-	-	-	-	-
HMA 2858	67267	124500	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>GRAND TOTAL</b>	<b>132713</b>	<b>234500</b>	<b>230</b>	<b>151</b>	<b>3</b>	<b>29</b>	<b>255</b>	<b>22</b>	<b>65</b>	<b>4</b>										

PROJECT **SHAFTS BURY - ARLINGTON** NO. **HMA 2824** SHEET **3** OF **34** SHEETS  
 ARLINGTON ARLINGTON HMA 2852 HMA 2858

STATE OF VERMONT  
 AGENCY OF TRANSPORTATION



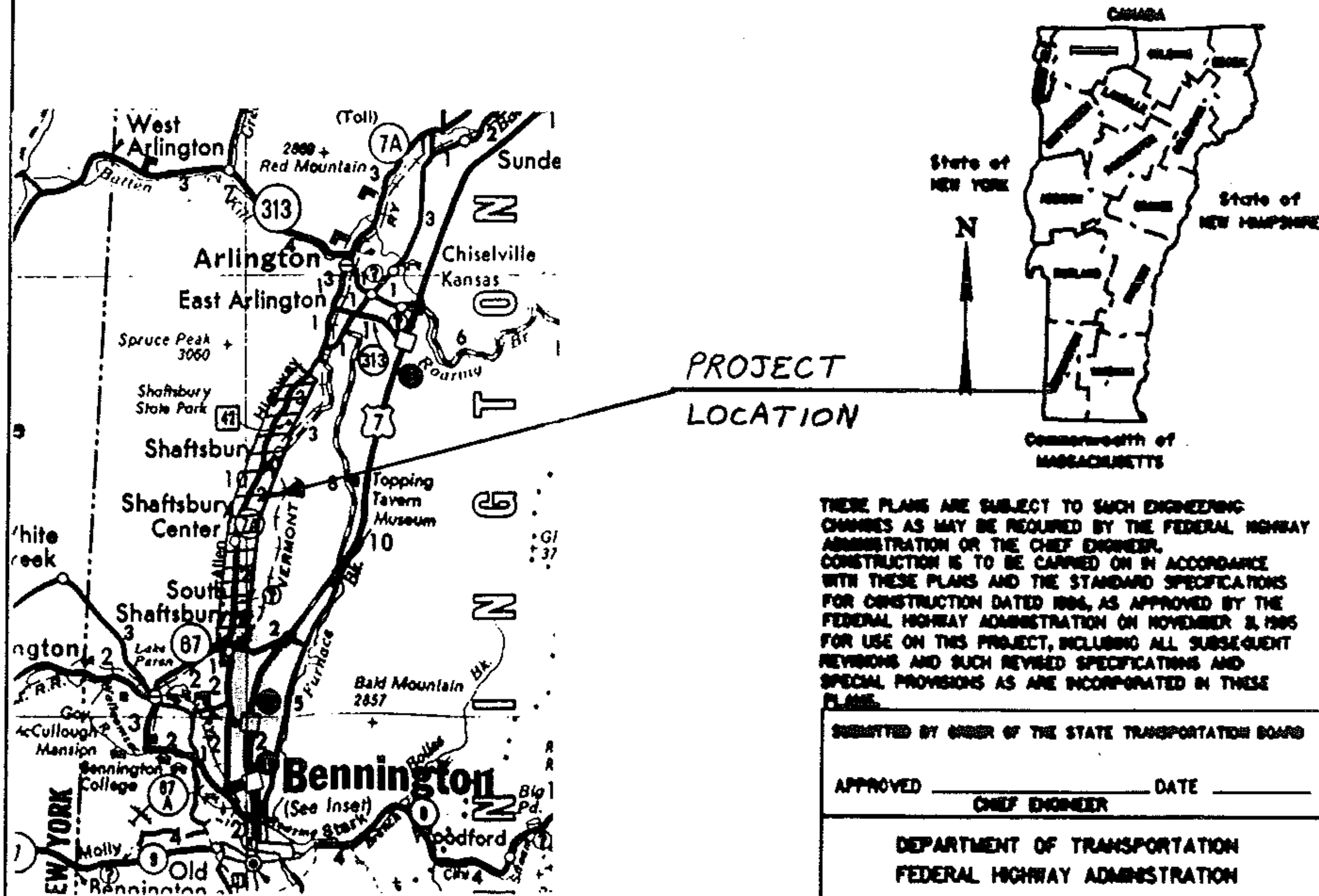
PROPOSED IMPROVEMENT

TOWN OF SHAFTSBURY-ARLINGTON

COUNTY OF BENNINGTON

ROUTE NO. VT-7A

ROUTE CLASS. FAS



PROJECT  
 LOCATION

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 1994, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1995 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# 2824  
 SHEET 4 OF 34 SHEETS

SEE SHEET 5 FOR INDEX

## INDEX OF SHEETS

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PROJECT SHAFTSBURY ~  
ARLINGTON

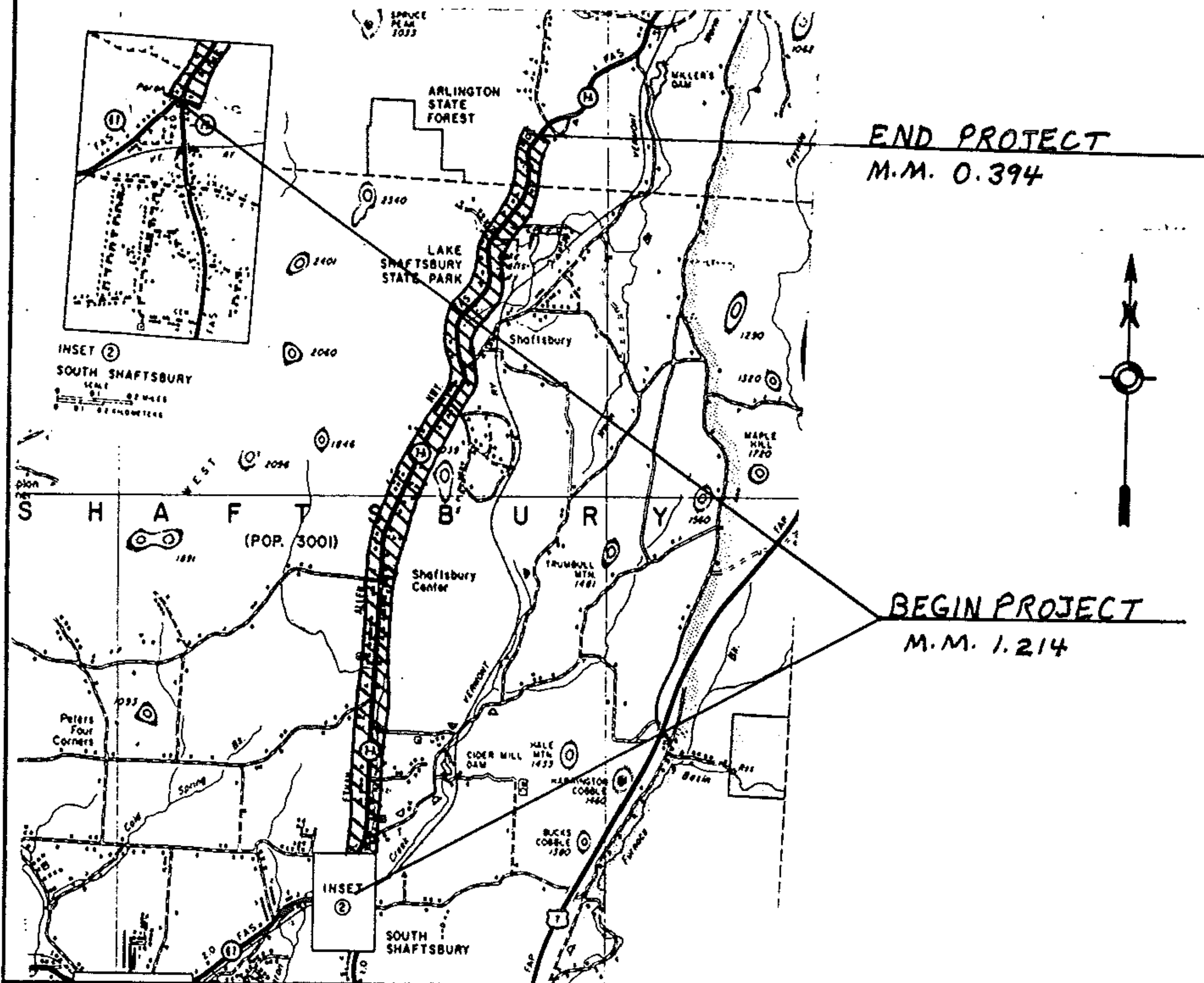
NO. HMA 2824  
SHEET 5 OF 34 SHEETS

# DESCRIPTION AND LOCATION

PROJECT LENGTH: 6.075 MILES; 32,076 FEET

1986 ADT : 2880

BEGINNING IN THE TOWN OF SHAFTSBURY ON VT ROUTE 7A M.M. 1.214 AND EXTENDING NORTHERLY 6.075 MILES TO M.M. 0.394 IN THE TOWN OF ARLINGTON. RESURFACING OF THE HIGHWAY AND NEW PAVEMENT MARKINGS.



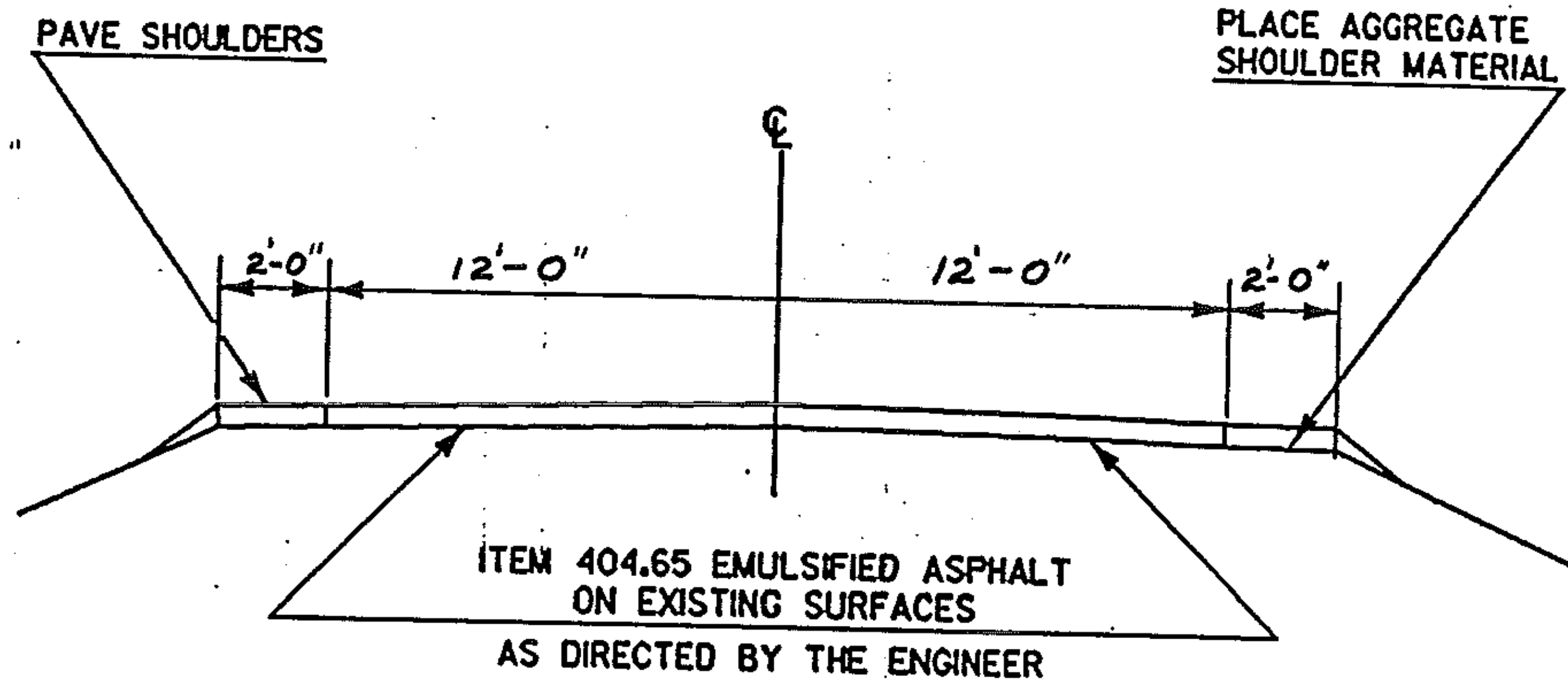
PROJECT SHAFTSBURY-ARLINGTON

NO. HMA 2824

SHEET 6 OF 34 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
 LEVELING COURSE TYPE IV (VARIES FROM 300/350 TONS/MILE)  
 1/4" WEARING COURSE TYPE III (±1/4")  
 AS DIRECTED BY THE ENGINEER



AVERAGE WIDTH OF ROADWAY IS 24 FT.

AVERAGE WIDTH OF SHOULDER IS 2 FT. HOWEVER IT VARIES THROUGHOUT THE PROJECT.

IF GRAVEL OR DETERIORATED SHOULDERS EXIST REFER TO TYPICAL ON SHEET 8 OF 34 AS DIRECTED BY THE ENGINEER

GENERAL NOTE: RESURFACE EXISTING BITUMINOUS CONCRETE SURFACE WHICH INCLUDES TRUCK CLIMBING LANES AND ACCELERATION LANES.

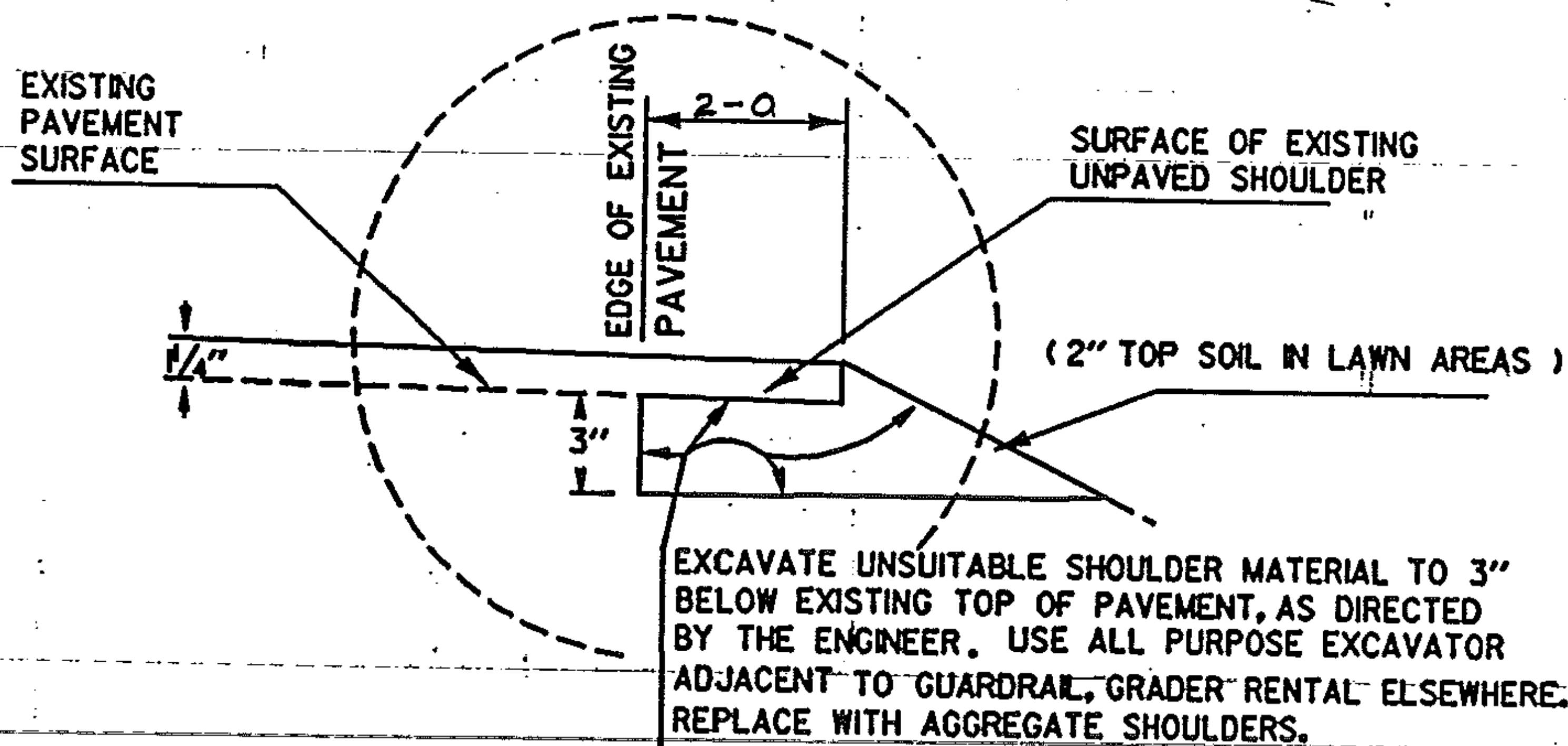
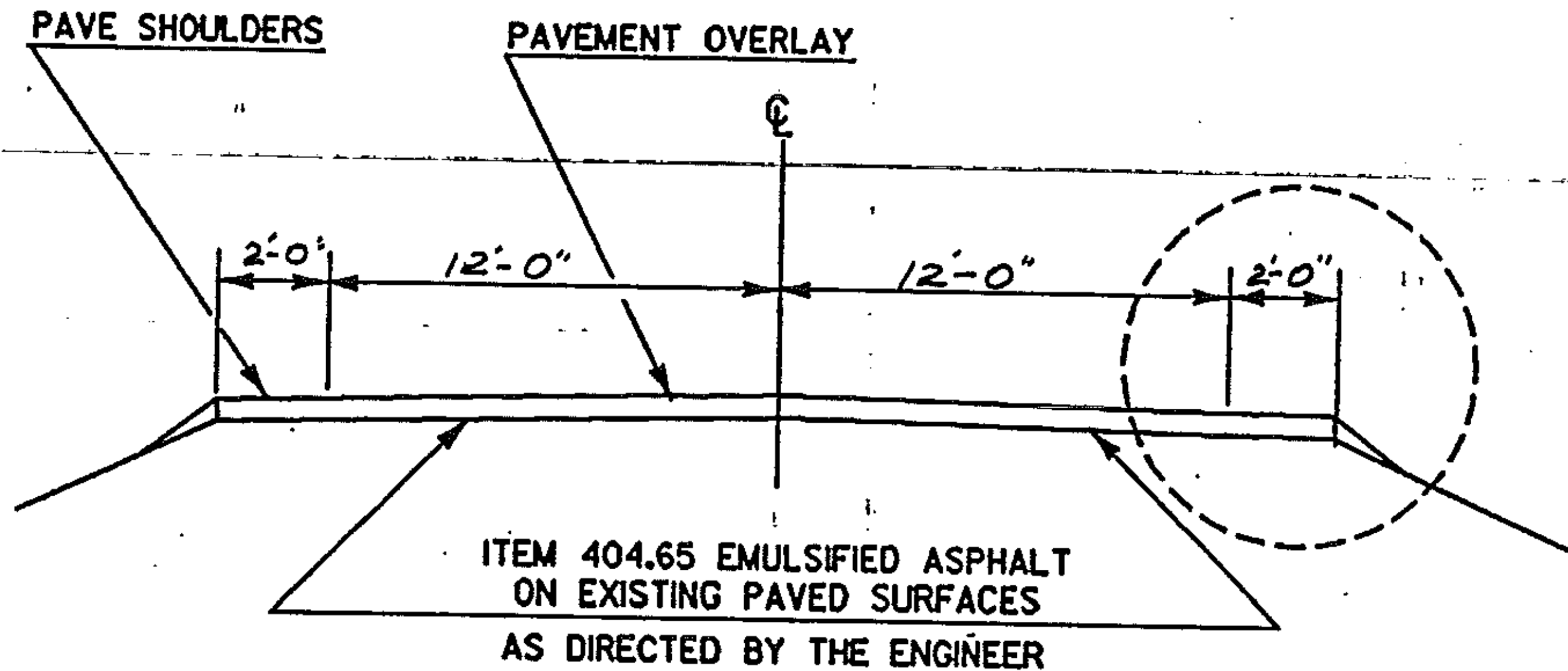
PROJECT SHAFTSBURY - ARLINGTON

NO. HMA 2824

SHEET 7 OF 34 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
 AGGREGATE SHOULDERS ( $\pm 1/2"$ )  
 LEVELING COURSE TYPE IV (VARIES FROM 300/350 TONS/MILE)  
 1 1/4" WEARING COURSE TYPE III ( $\pm 1/4"$ )  
 AS DIRECTED BY THE ENGINEER



PROJECT SHAFTSBURY - ARLINGTON

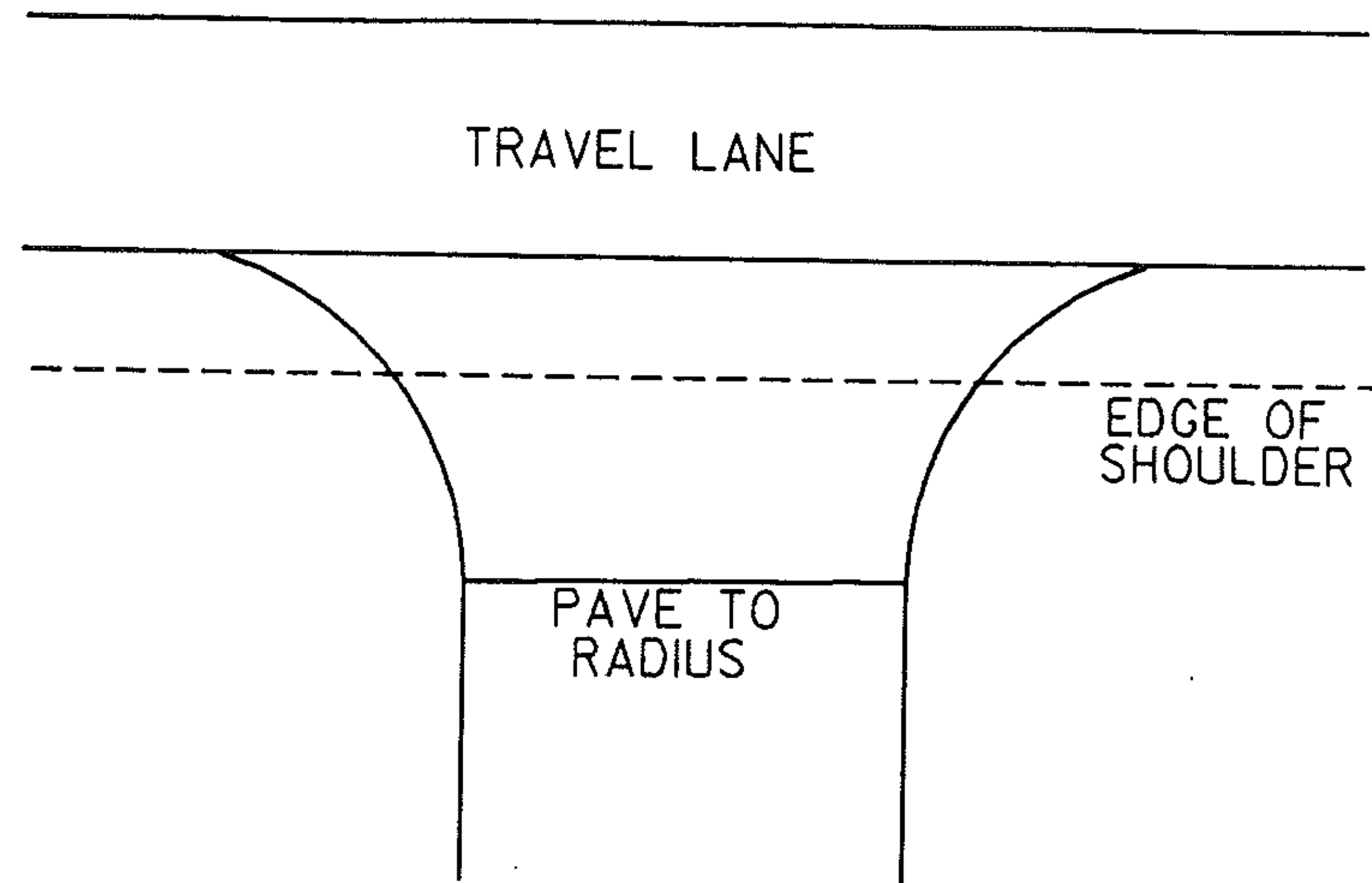
NO. HMA 2824

SHEET 8 OF 34 SHEETS

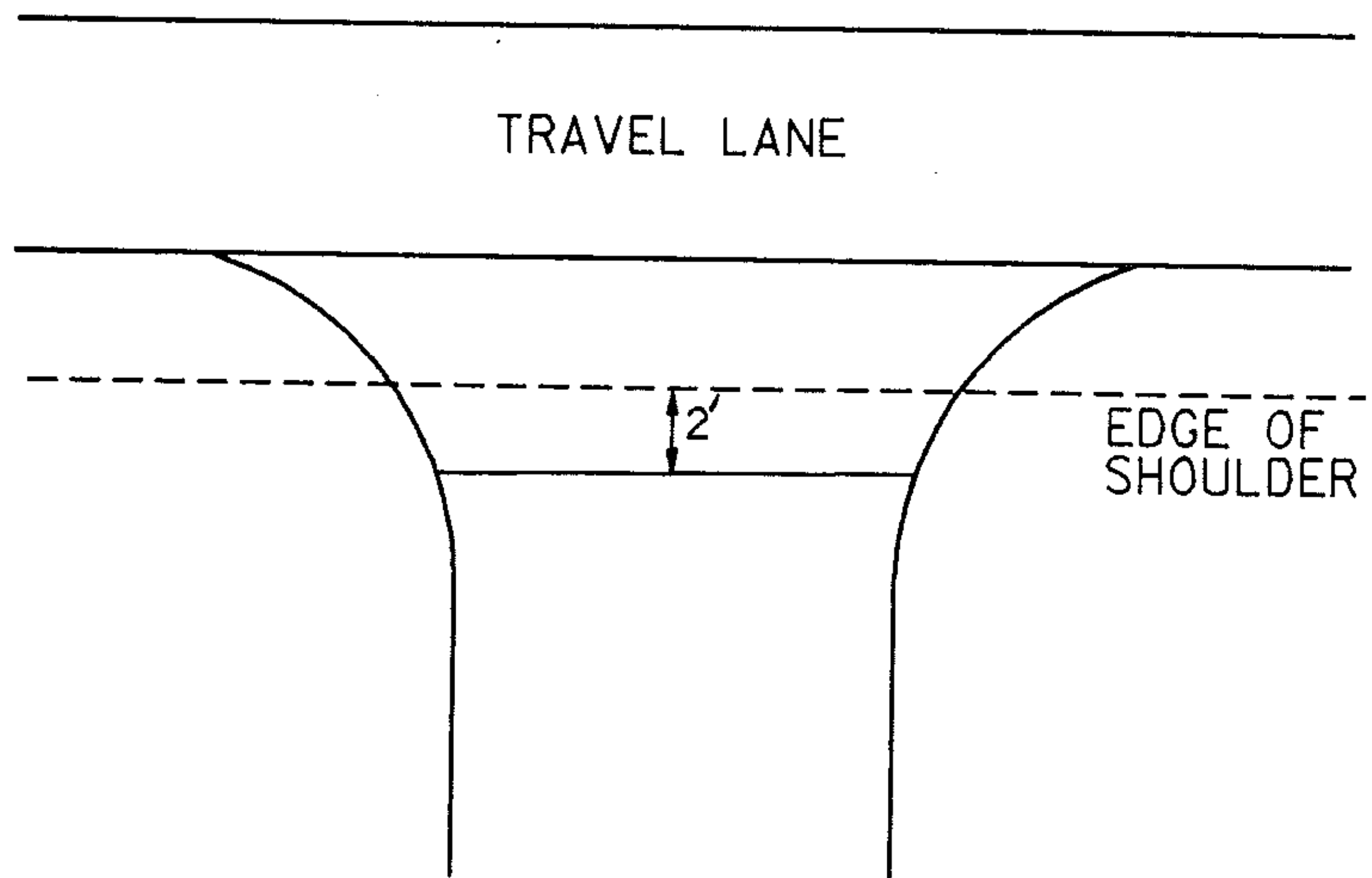
*Handwritten signature*

PAVING LIMITS FOR DRIVES & TOWN ROADS

PAVING LIMITS FOR TOWN ROADS



PAVING LIMITS FOR DRIVES



PROJECT SHAFTSBURY-ARLINGTON

NO. HMA 2024

SHEET 9 OF 34 SHEETS

TEMPORARY 4" REFLECTORIZED YELLOW LINE

	MILE	MILE	LT	RT	☒	QUANTITY LT	QUANTITY ☒	QUANTITY RT	TOTALS
↑	1.21	1.69	S	S		2534		2534	5068
	1.69	1.86	S	D		898		224	1122
	1.86	1.90	D	S		53		211	264
	1.90	2.62	S	S		3802		3802	7604
SHAFTSBURY	2.62	2.83	S	D		1109		277	1386
	2.83	3.15			D		422		422
	3.15	3.30	D	S		198		792	990
	3.30	3.90	S	S		3168		3168	6336
	3.90	4.19	S	D		1531		383	1914
	4.19	4.49			D		396		396
	4.49	4.51	S	D		106		26	132
	4.51	4.82	S	S		1637		1637	3274
	4.82	4.93	S	S		581		581	1162
	↓	4.93	6.89	S	S		10349		10349
Arlington	0.00	0.39	S	S		2059		2059	4118
Subtotal =									54886
Assume 100% Loss Due To Leveling =									54886
Minus 11 Roadway openings @ 80' Ea. x 2 Courses of Pavement =									1760
TOTAL =									108,000L

TEMPORARY 4" REFLECTORIZED WHITE LINE

			LT	RT	Quantity LT	Quantity RT	
SHAFTSBURY	1.21	6.89	SOLID	SOLID	29990	29990	59980
ARLINGTON	0.00	0.39	SOLID	SOLID	2059	2059	4118
SHAFTSBURY	5.28	5.33 <sup>±</sup>	230' RT. Turn Lane			230	230
		5.28	LETTER IN WORD			Total =	64328
					*	Rounding =	72
			LETTER IN WORD			Total =	64400
	5.28	5.33 <sup>±</sup>	RT. Arrow Markings		ARROWS	3	3
			LETTER IN WORD		LETTERS	12	12

\*SEE SKETCH SHEET 6A

NO. DURABLE STOP BAR HMA 2824 = 125

PROJECT SHAFTSBURY-ARLINGTON

SHEET 10 OF 34 SHEETS

# PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		WIDTH		OVERLAY DEPTH		AGGREGATE SHOULDER STRENGTH OPTION		EMULSIFIED ASPHALT		BITUMINOUS CONCRETE PAVEMENT		POWER GRADER RENTAL		POWER EXCAVATOR RENTAL		TRUCK RENTAL		INFORMED TRAFFIC OFFICERS		MOBILIZATION	
	ITEM NO.	FT.	FT.	IN.	CY	TON	CWT	TON	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	LS	LS		
SHAFTSBURY RD. ARLINGTON RD. 2-294	32076	28	1 1/4		400	695	110	8960	36	36	50	36	403	403	403	403	403	403	15939			

ITEM DESCRIPTION	ITEM NO.	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
4" WHITE LINE	646.50	LF	230	646.51	148677.30
4" YELLOW LINE	646.30	LF	125	646.40	80800.00
4" WHITE LINE	646.40	EA	3	646.42	1939.26
DURABLE 24" STOP BAR	646.44	EA	125	646.44	80805.00
DURABLE LETTER IN WORD MARKING	651.35	CY	125	651.35	81418.75
TOPSOIL					

PROJECT SHAFTSBURY - ARLINGTON

NO. HMA 2824

SHEET 11 OF 34 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.

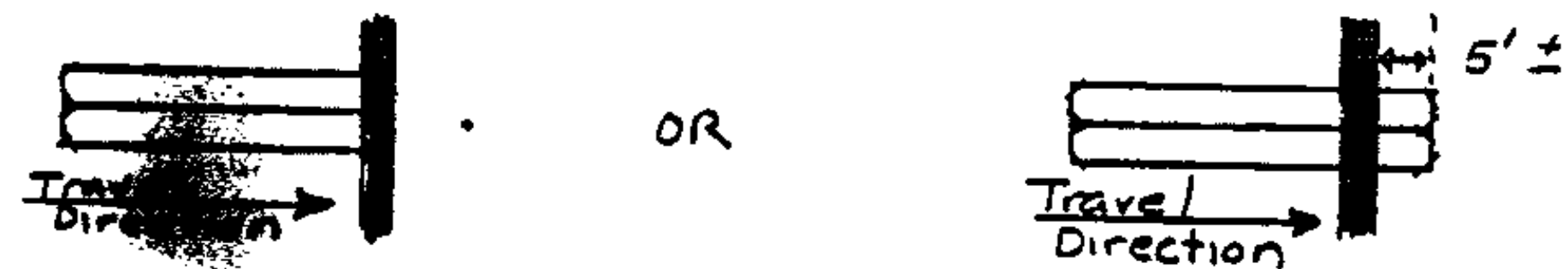
SOLID LINE - EDGE LINES  
INTERSTATE MEDIAN SIDE-RETRO-REFLECTIVE RPM'S ON 4 TO 5 FOOT CENTER.  
DRIVERS RIGHT SIDE-RPM'S NOT ALLOWED.

- 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

## APPLICATION NOTES

1. Edge lines shall be placed 1'-0" or more from curb.
2. Lane widths based on available roadway width. Preference shall be given to thru lanes with a preferred width of 12'. Left and right turn lanes may be between 10'-12' in width.
3. Exclusive turn lanes (left or right) - Turn lane lanes shall be solid and extend back from the stopbar an adequate distance to store turning vehicles. Generally, the lane line will extend back to the point of full lane width. The edge line taper rate should be 15:1 (minimum). In urban areas an 80' minimum is required. In both rural and urban areas a 200' taper is desirable. An estimate of length required can be determined by dividing the average hourly turning volume by the number of cycles per hour. Multiply the result by 25' per vehicle and then multiply by 1.5 to 2.0. Existing geometry may restrict turn lane length.
4. Turn arrows shall be placed at the begin and end of the left or right turn lane and in the middle if the lane length exceeds 200'.
5. Turn arrows placed at the end of the lane with the stop bar shall be placed with a 4' gap between the stop bar and arrow.
6. There shall be a 4' gap between turn arrows and word markings.
7. When word markings are used at the beginning of a turn lane the markings shall begin at the start of the solid white lane line.
8. The word marking STOP shall be placed with a 4' gap between the marking and the stop bar.
9. Gore markings shown are only approximate. Marking shall be as detailed on Standard Sheet E-50.
10. Stopbars shall be located no closer than 40' from the nearest signal face and no further than 120' from the furthest face. At intersections where there are existing vehicle detector loops, care should be taken in locating the stop bar. In most cases the stopbar should be at or just behind the front edge of the loop.



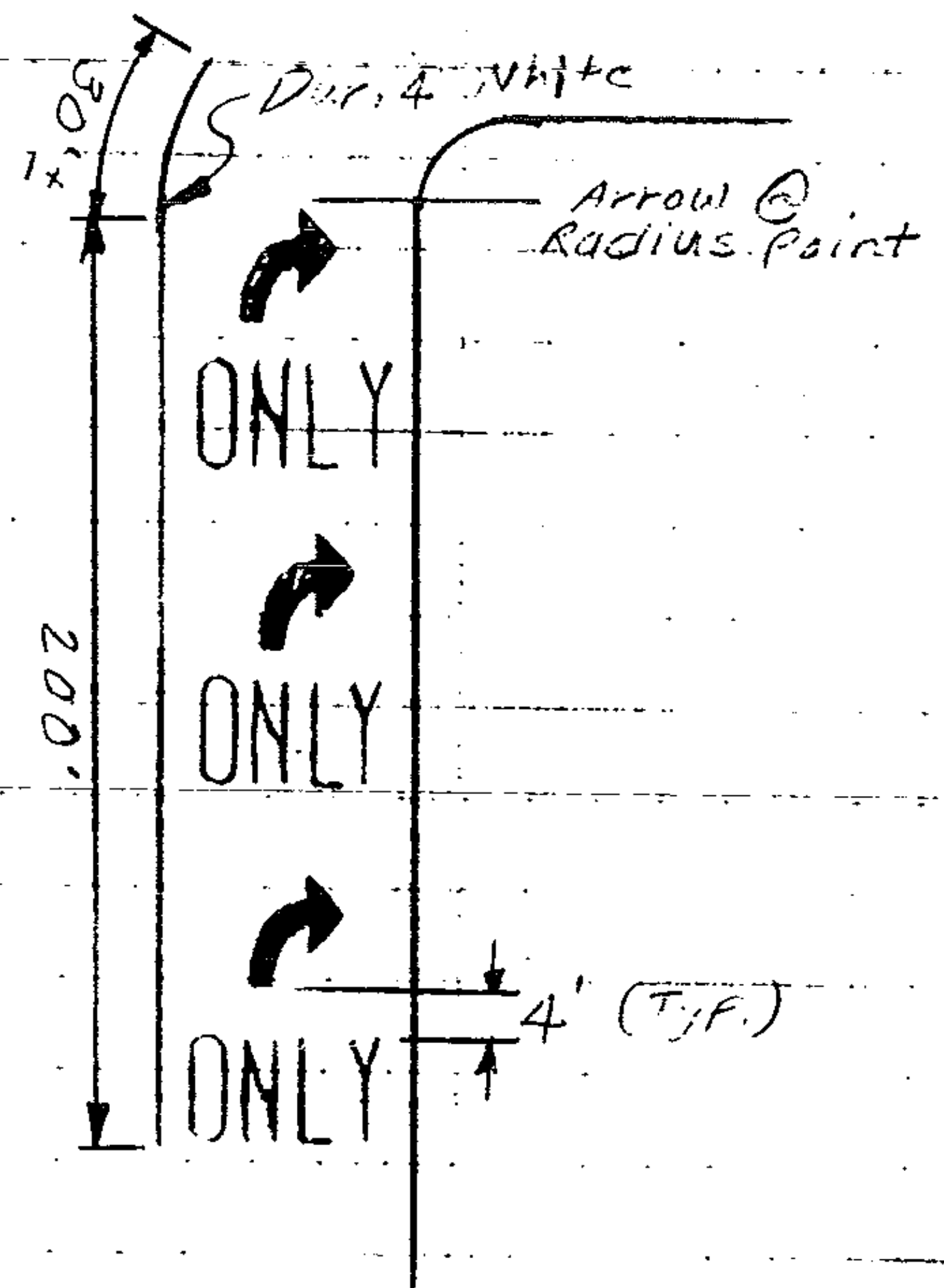
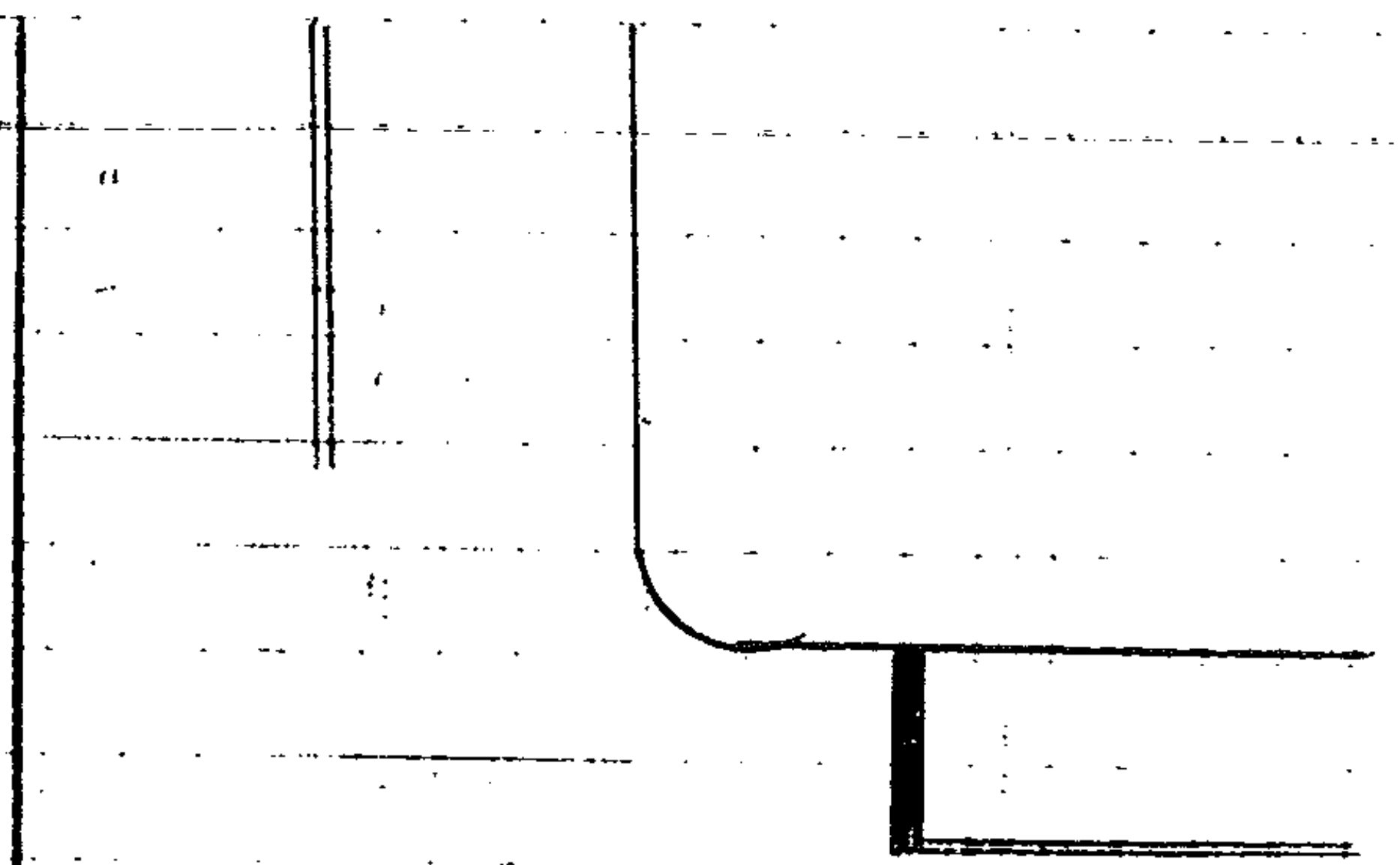
If loop locations are not known, contact either the Maintenance Division or Traffic Design for information.

11. Dotted line extensions (lane lines and/or centerline) may be used at some intersections to emphasize turning paths.
12. When two line text is used for pavement markings (Signal Ahead, etc.) the two words shall read up and have a space of 32' between them. The corresponding sign shall be half way between the words.

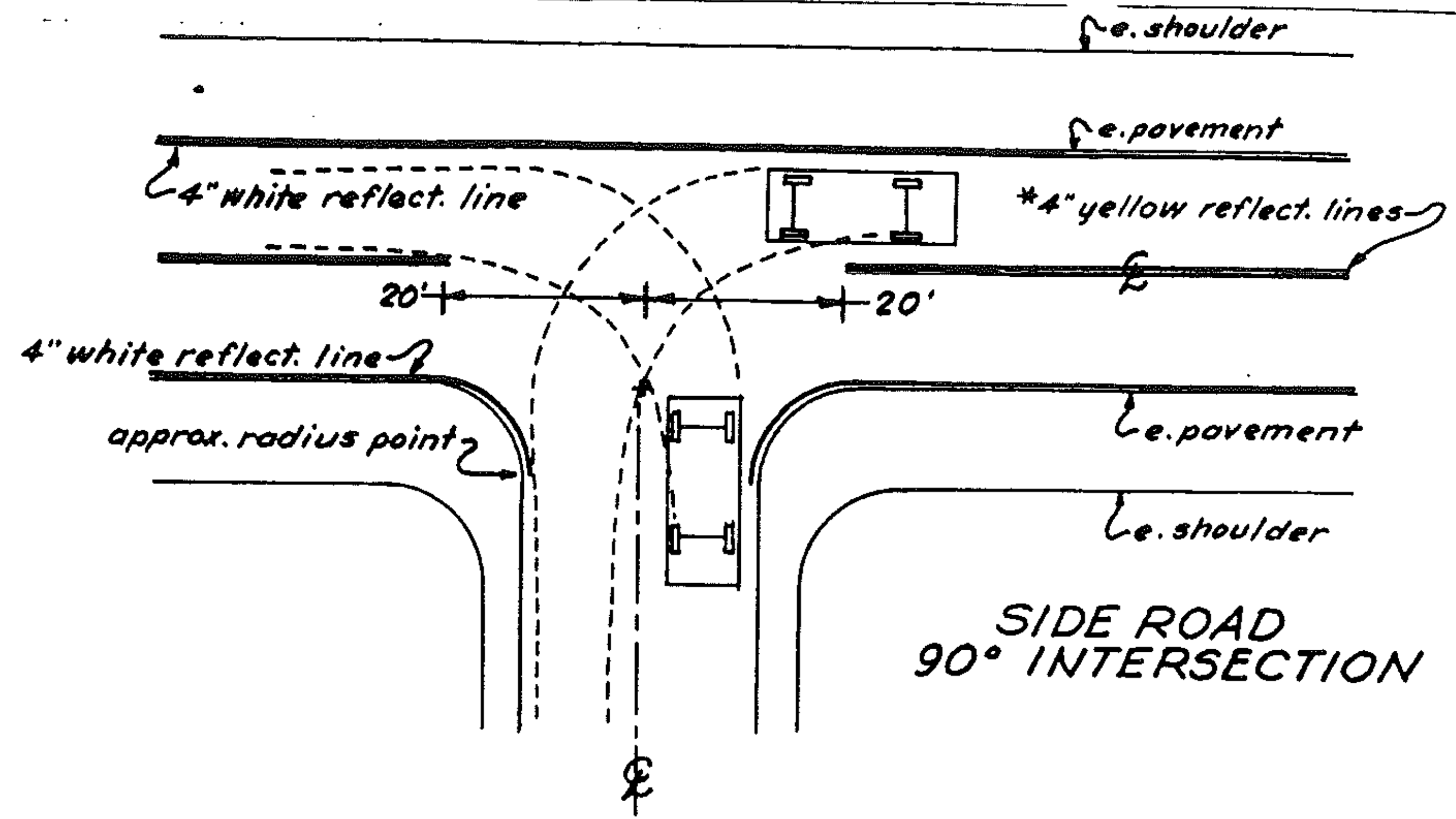
Revision - 11/84  
 Note 3 revised  
 Notes 10&11 added  
 Note 12 added 8/85  
 13 of 34

SHAFTSBURY- ARLINGTON

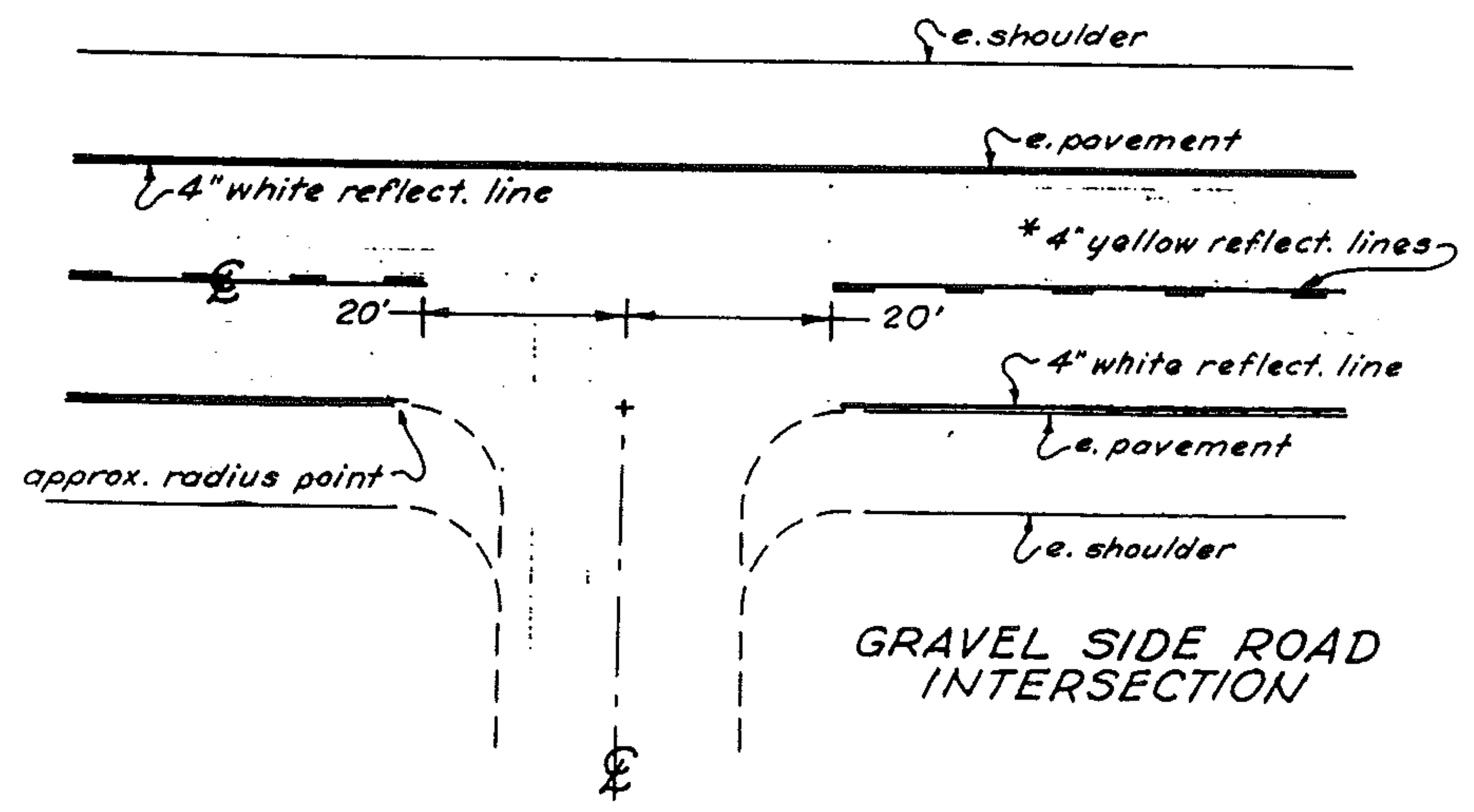
HMA 2824



Not To Scale



\* 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**

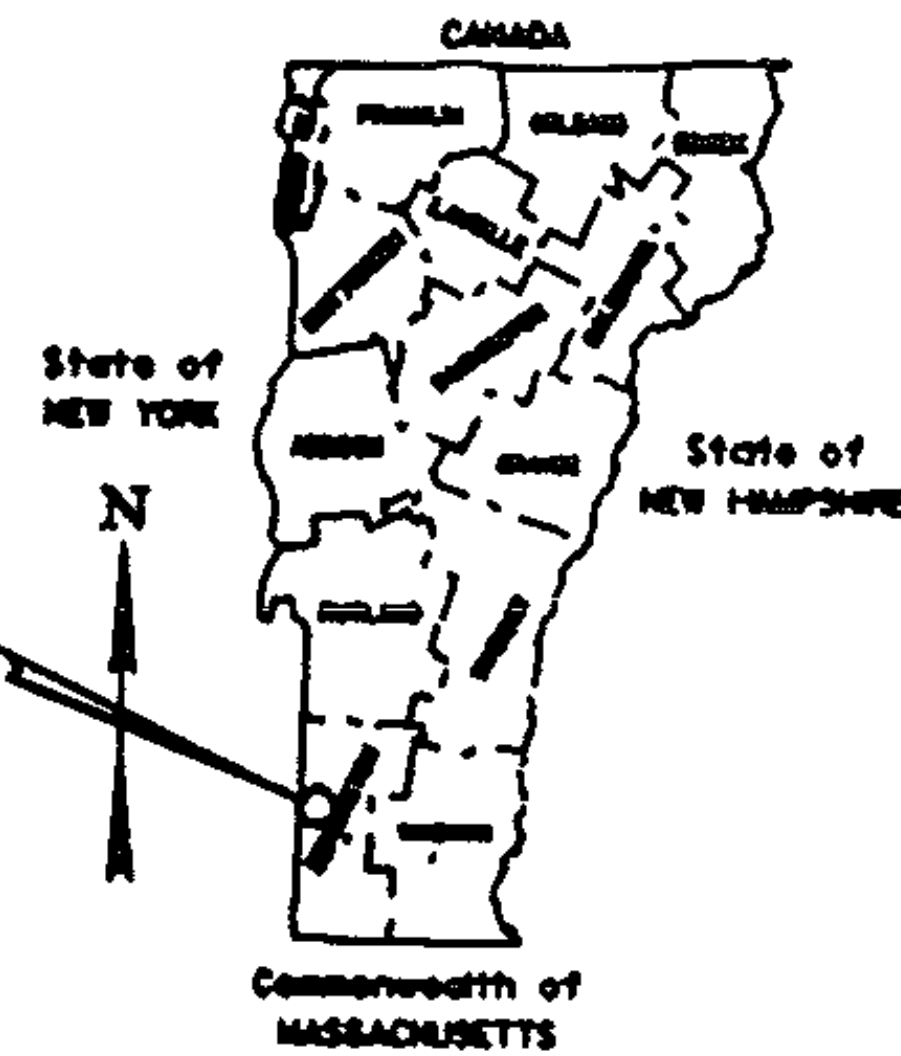
TOWN OF ARLINGTON

COUNTY OF BENNINGTON

ROUTE NO. VT. 313

ROUTE CLASS F.A.S.

**PROJECT LOCATION**



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 \_\_\_\_\_ DATE \_\_\_\_\_  
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
DIVISION ADMINISTRATOR

PROJECT NO. HMA2852

SHEET 16 OF 34 SHEETS

SEE SHEET 17 FOR INDEX

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24-25	MAINLINE PAVEMENT MARKING AT INTERSECTING SIDE ROAD

PROJECT ARLINGTON

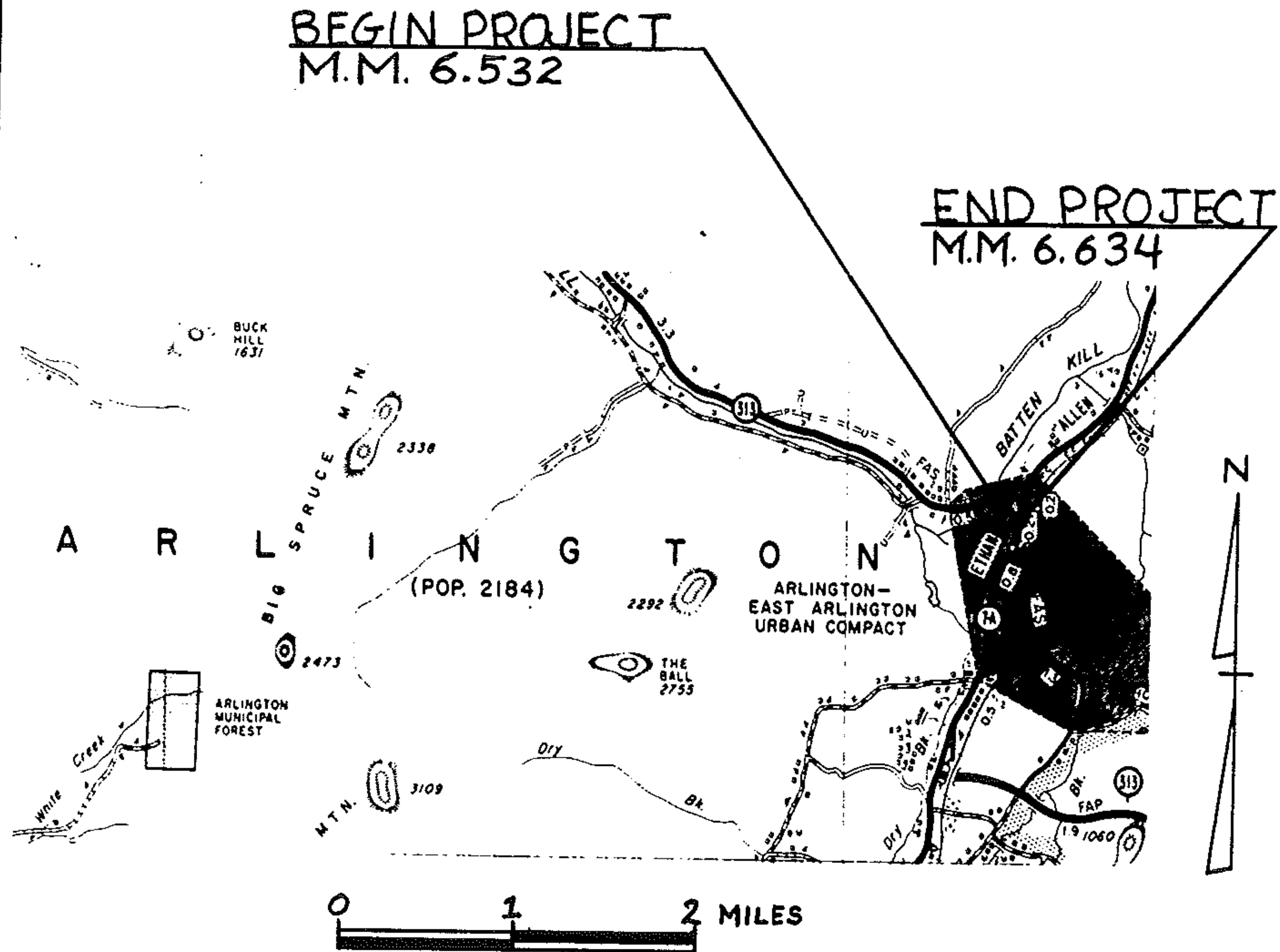
NO. \_\_\_\_\_

SHEET 17 OF 34 SHEETS

# DESCRIPTION AND LOCATION

PROJECT LENGTH: 0.102 MILE , 538.56 FEET  
1986 A.D.T. : 2160

BEGINNING IN THE TOWN OF ARLINGTON ON VT. 313 AT M.M. 6.532 AND EXTENDING EASTERLY 0.102 MILE TO M.M. 6.634. RESURFACING OF THE HIGHWAY AND ITS APPROACHES, NEW PAVEMENT MARKINGS.



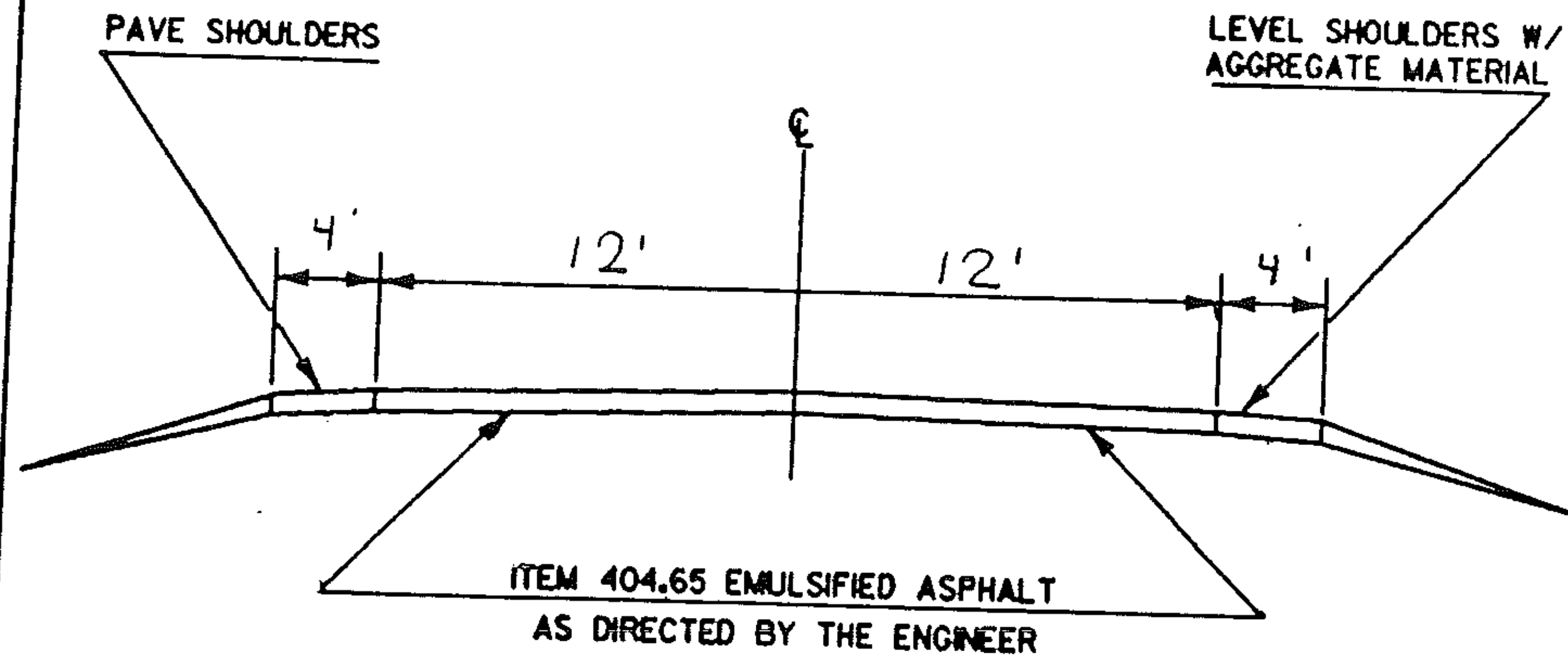
PROJECT ARLINGTON

NO. HMA 2852

SHEET 18 OF 34 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
LEVELING COURSE TYPE IV (363 TONS/MILE )  
1 1/4" WEARING COURSE TYPE IV (±1/4")  
AS DIRECTED BY THE ENGINEER



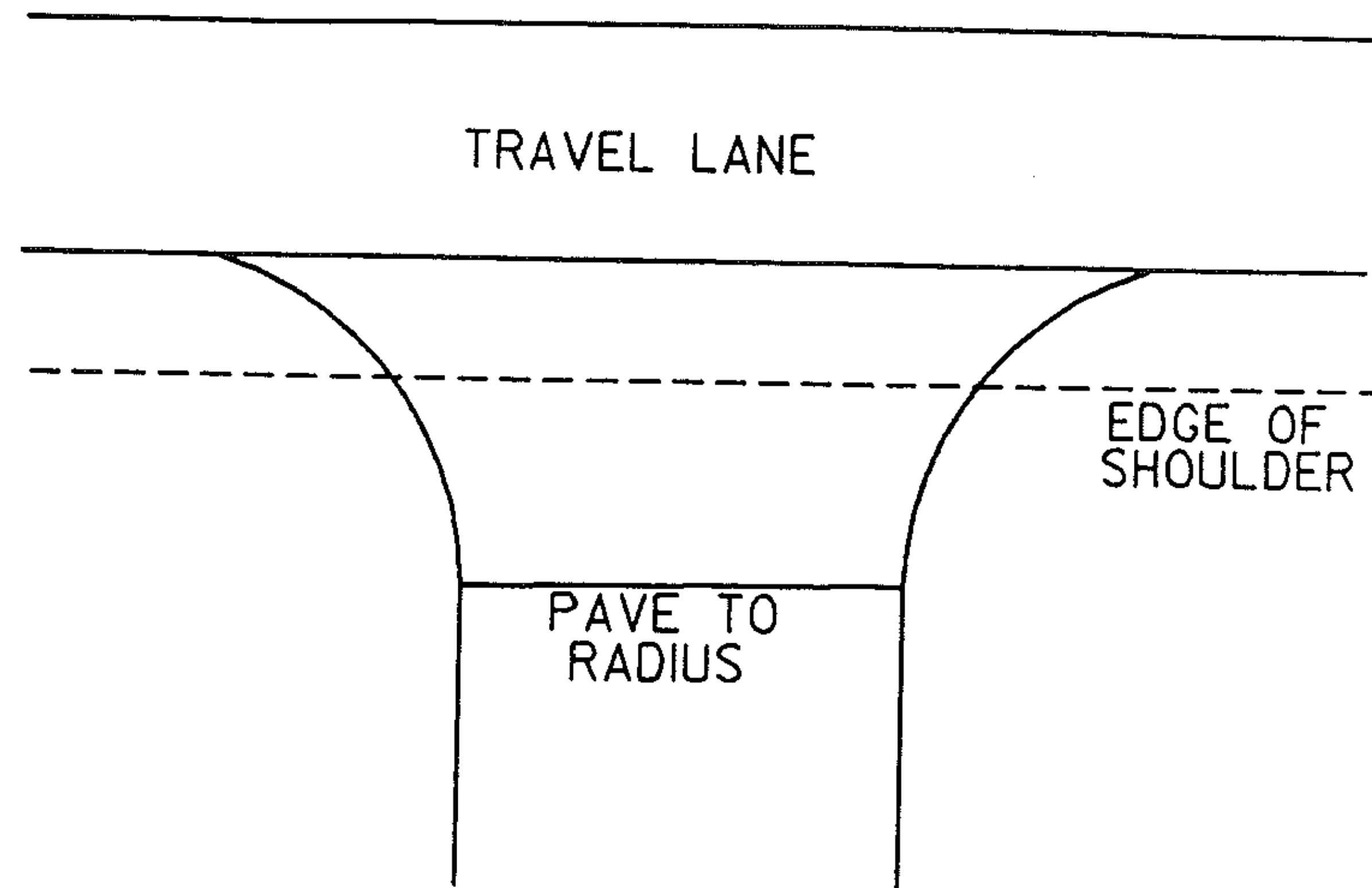
ARLINGTON M.M. 6.532 - 6.634

PROJECT ARLINGTON

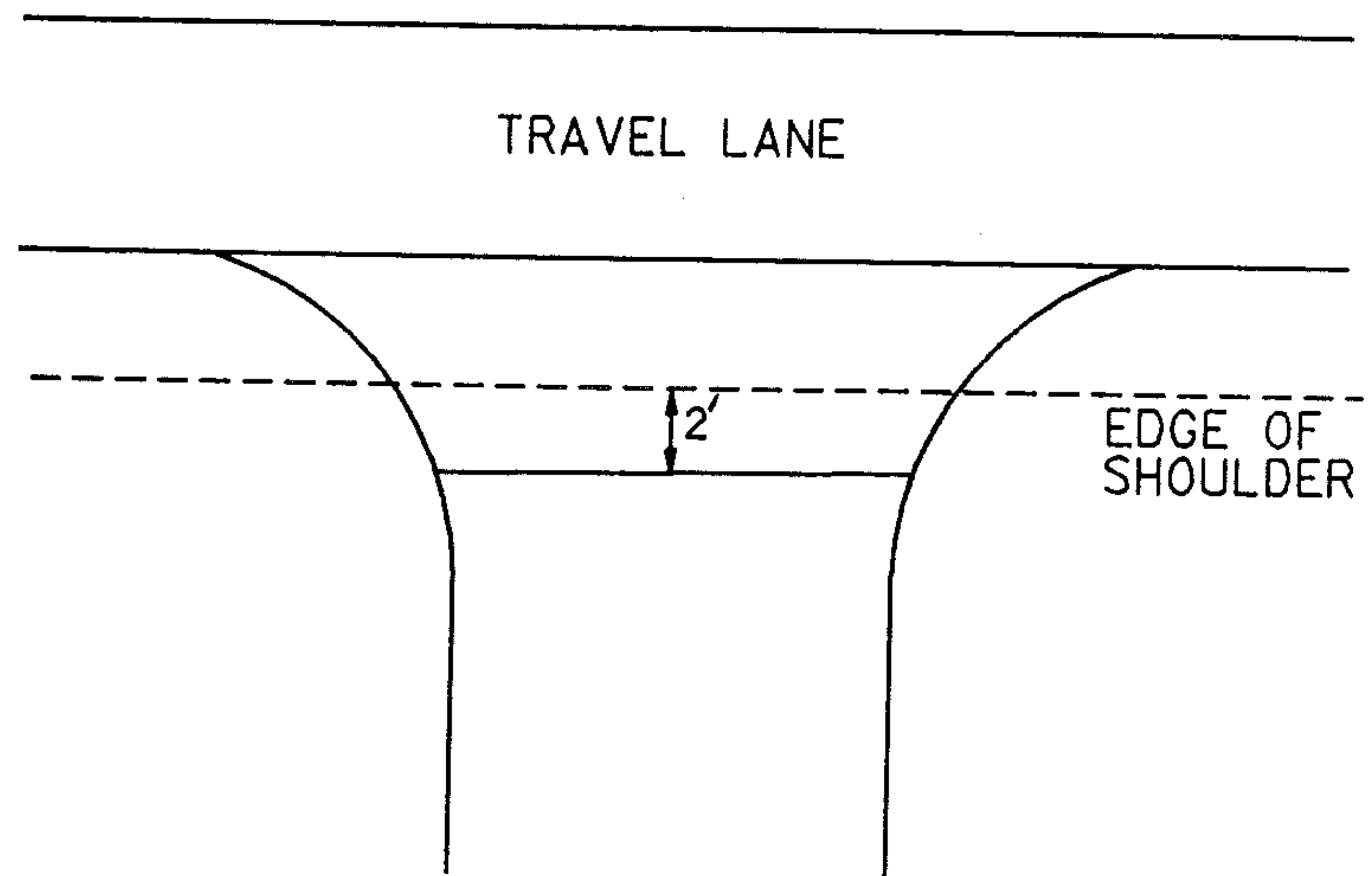
NO. HMA 28.52  
SHEET 19 OF 34 SHEETS

PAVING LIMITS FOR DRIVES & TOWN ROADS

PAVING LIMITS FOR TOWN ROADS



PAVING LIMITS FOR DRIVES



PROJECT ARLINGTON

NO. HMA 2852

SHEET 20 OF 34 SHEETS

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY R	QUANTITY RT	TOTALS	
6.53	6.63	S	S	528		528	1,056	
							SUBTOTAL = 1,056	
							ASSUME 10% LOSS DUE TO LEAVING = 1,056	
MINUS 1 ROADWAY OPENINGS @ 8' EA X 2 COURSES OF PAVEMENT							1,952	
							Rounding 48 LF	
							TOTAL = 2,000 LF	

TEMPORARY 4" REFLECTORIZED WHITE LINE

MILE	MILE	LT	RT	QUANTITY	QUANTITY	TOTAL
6.53	6.63	S	S	528	528	1,056

# PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		WIDTH		OVERLAY DEPTH		AGGREGATE SHOULDERS		AGGREGATE SHOULDERS		ENGLISH SHOULDERS		BITUMINOUS CONCRETE ASPHALT		POWER GRADER CONCRETE PAVEMENT		POWER EXCAVATOR RENTAL		TRUCK BROOM RENTAL		UNIFORMED TRAFFIC OFFICERS		MOBILIZATION	
	ITEM NO.	FT.	FT.	IN.	CY	TON	CWT	TON	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	LS	LS		
Arlington NO. 6.522-6.634	528	32	1 1/4		-	-	2	180	-	-	-	-	-	1	-	-	8	8	8	8	401			

ITEM DESCRIPTION	4" WHITE LINE		4" YELLOW LINE		DURABLE 4" WHITE LINE		DURABLE 2 1/2" STOP BAR		DURABLE LETTER IN WORD MARKING		TOPSOIL		TRAFFIC SIGNS, TYPE A		FLANGED CHANNEL SIGN POSTS		REMOVING SIGNS	
	ITEM NO.	LF	LF	EA	EA	EA	CY	SF	LB	EA	EA	EA	EA	EA	EA	EA	EA	
	646.50	646.51	646.30	646.40	646.42	646.44	651.35	675.20	675.30	675.50								
	LF	LF	LF	EA	EA	EA	CY	SF	LB	EA								
	1056	2000	-	26	-	17	-	22	65	4								

PROJECT ARLINGTON

NO. HMA 2852

SHEET 22 OF 34 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 WHEN 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.

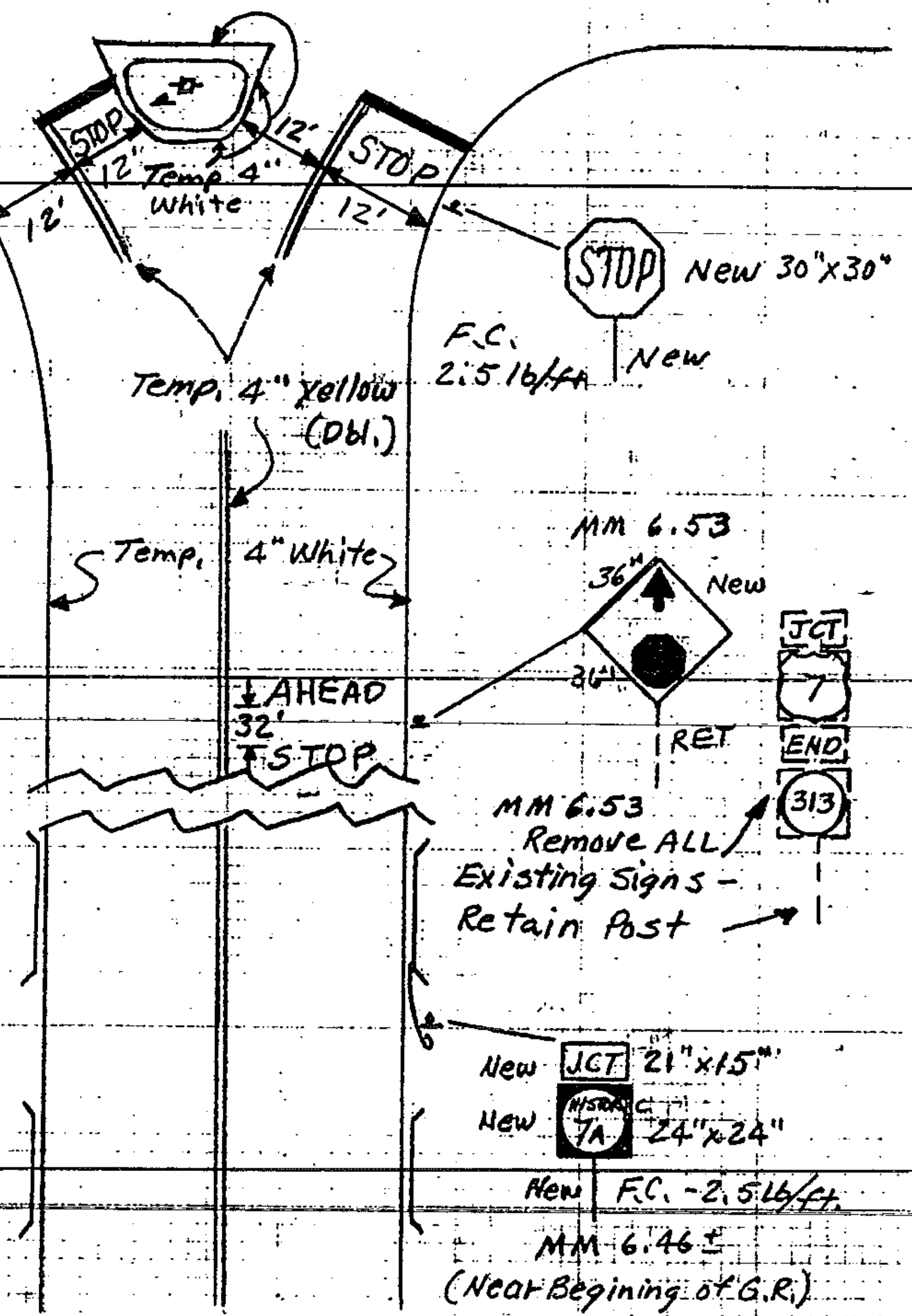
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02/11/85

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NOT TO SCALE

HISTORIC TA

Location of Stop Bars  
 to Be Determined By  
 Resident Engineer.  
 Signs Not Shown To  
 Be Retained.

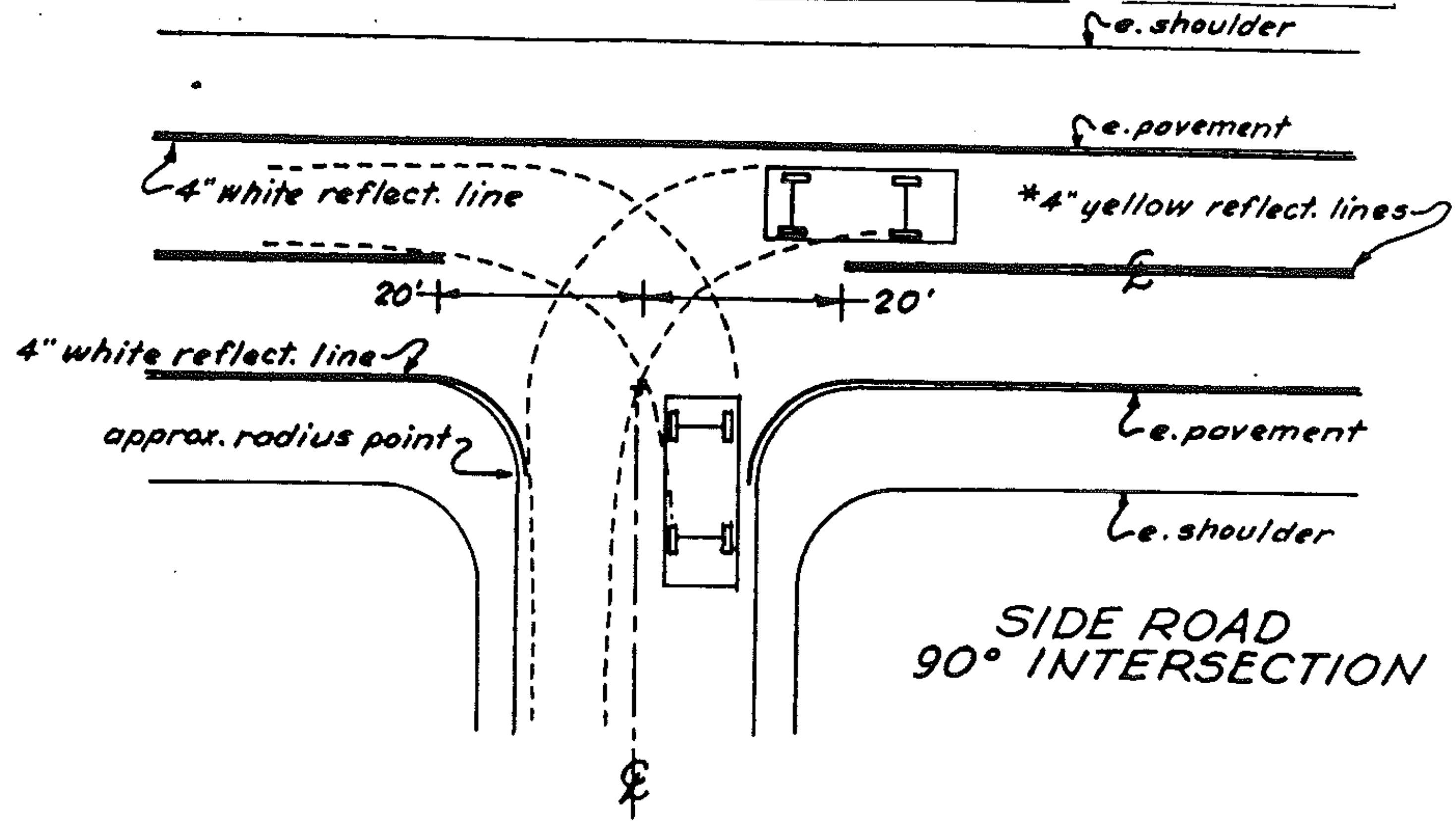


MM 6.53  
 Remove ALL  
 Existing Signs -  
 Retain Post

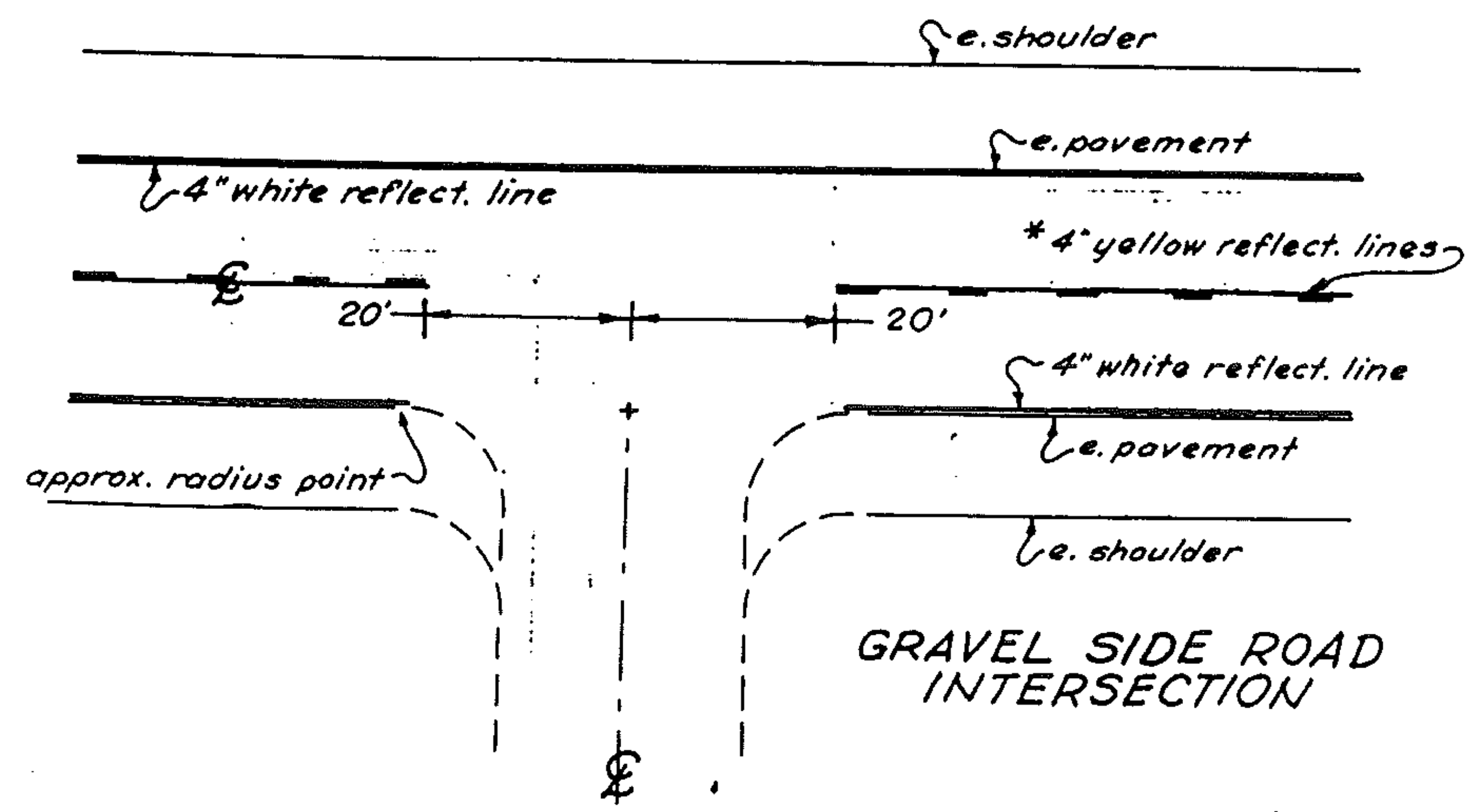
New JCT 21" x 15"  
 New MISTRAL 7A 24" x 24"

New F.C. - 2.5 lb/ft.

MM 6.46 ±  
 (Near Beginning of G.R.)



\* 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**

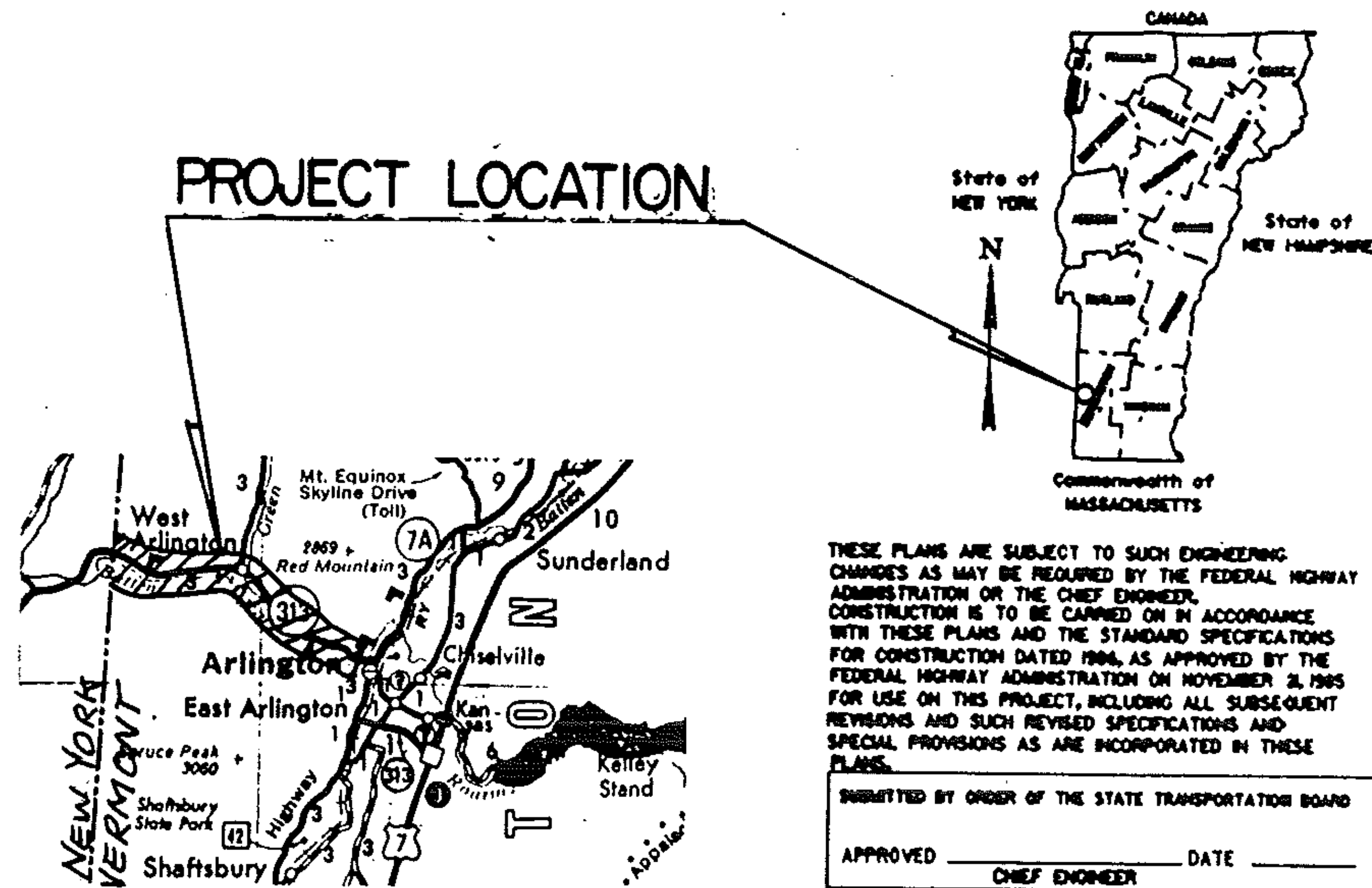
TOWN OF ARLINGTON

COUNTY OF BENNINGTON

ROUTE NO. VT 313

ROUTE CLASS F.A.S.

**PROJECT LOCATION**



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 1994, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1995 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 NO. HMA 2858  
SHEET 26 OF 34 SHEETS

SEE SHEET 27 FOR INDEX

## INDEX OF SHEETS

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- 29 TYPICAL SECTION & DESIGN DATA
- 30 PAVING LIMITS FOR DRIVES AND TOWN ROADS
- 31 PAVEMENT MARKING QUANTITIES
- 32 PROJECT LENGTHS AND ITEM QUANTITIES
- 33 GUIDELINES FOR MINIMUM INTERIM PAVEMENT  
MARKINGS IN CONSTRUCTION ZONES
- 34 MAINLINE PAVEMENT MARKING AT INTERSECTING  
SIDE ROAD

PROJECT ARLINGTON

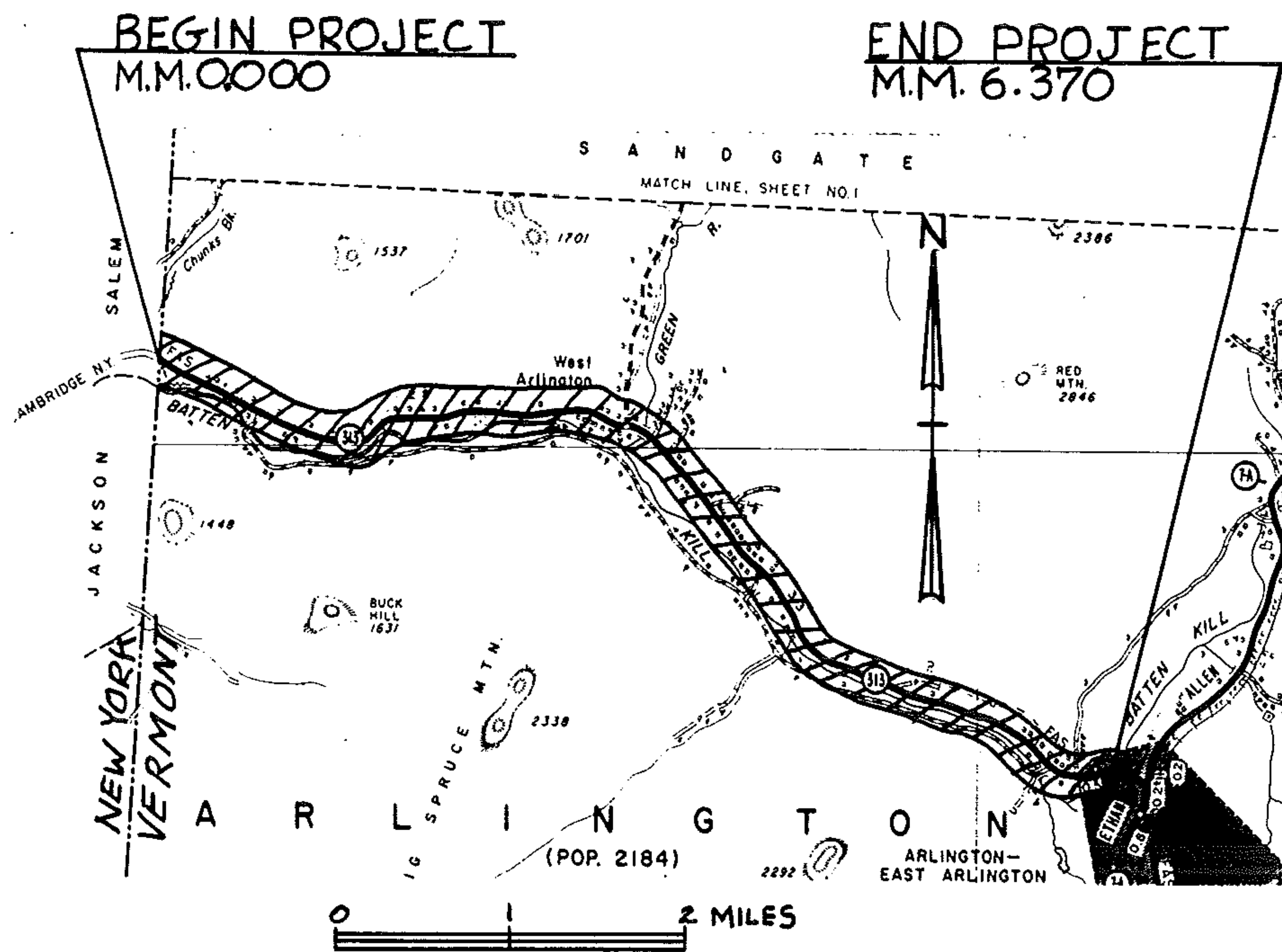
NO. \_\_\_\_\_

SHEET 27 OF 34 SHEETS

# DESCRIPTION AND LOCATION

PROJECT LENGTH: 6.370 MILES, 33,633.60 FEET  
1986 A.D.T.: 1690

BEGINNING IN THE TOWN OF ARLINGTON AT THE NEW YORK STATE LINE ON VT. 313 AT M.M. 0.000 AND EXTENDING EASTERLY 6.370 MILES TO M.M. 6.370. RESURFACING OF THE HIGHWAY AND ITS APPROACHES, NEW PAVEMENT MARKINGS.



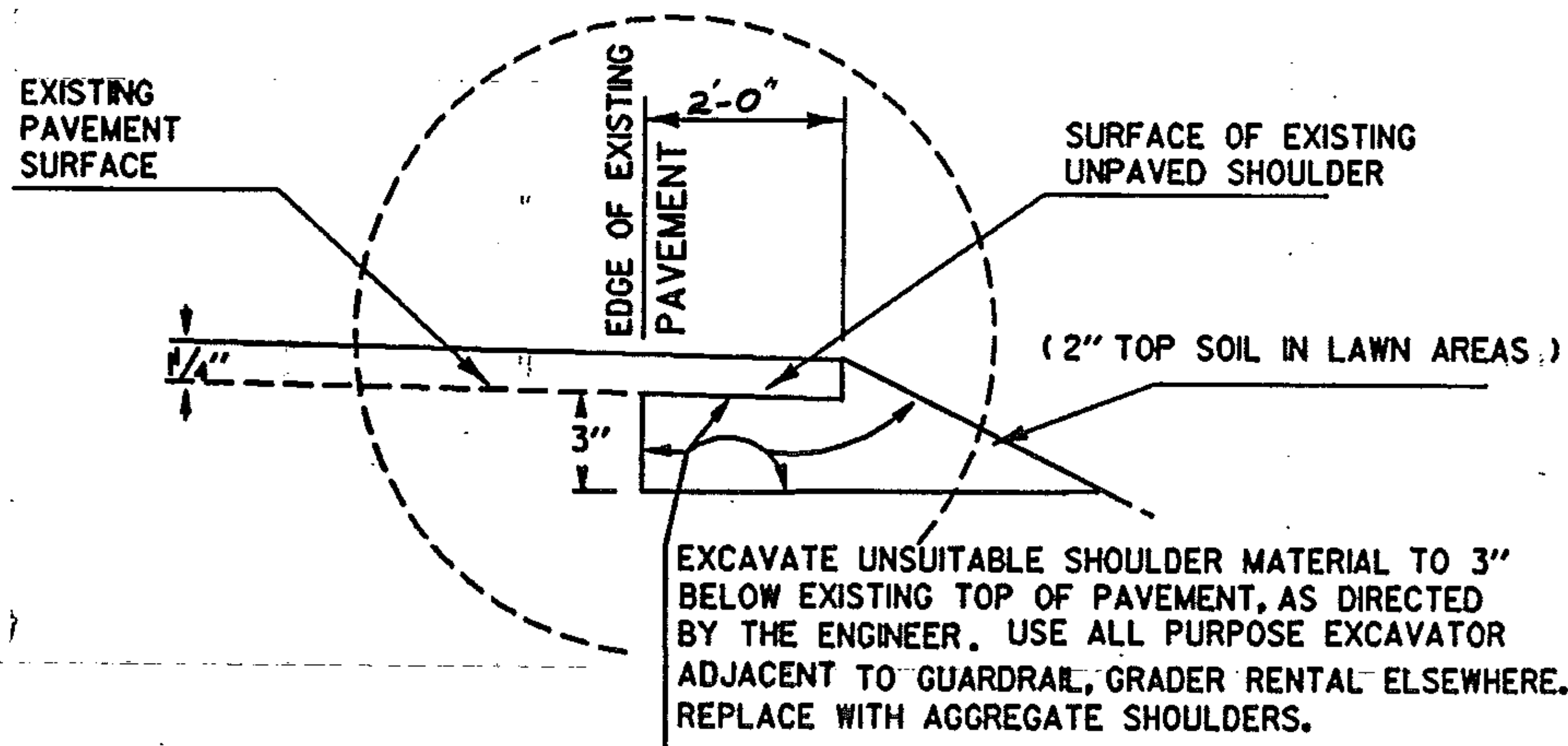
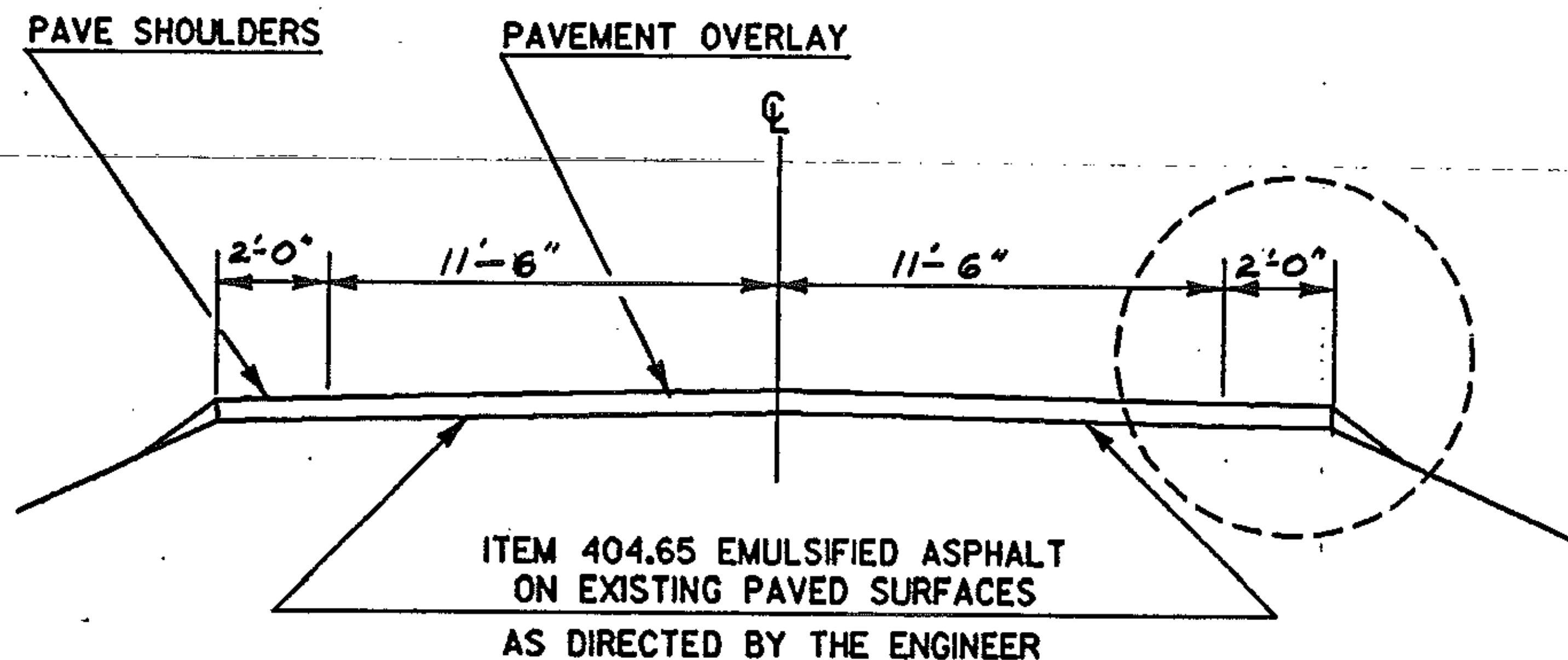
PROJECT ARLINGTON

NO. HMA 2858

SHEET 28 OF 34 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
 AGGREGATE SHOULDERS ( $\pm 1/2"$ )  
 LEVELING COURSE TYPE IV (262 TONS/MILE)  
 1 1/4" WEARING COURSE TYPE III ( $\pm 1/4"$ )  
 AS DIRECTED BY THE ENGINEER



PROJECT ARLINGTON

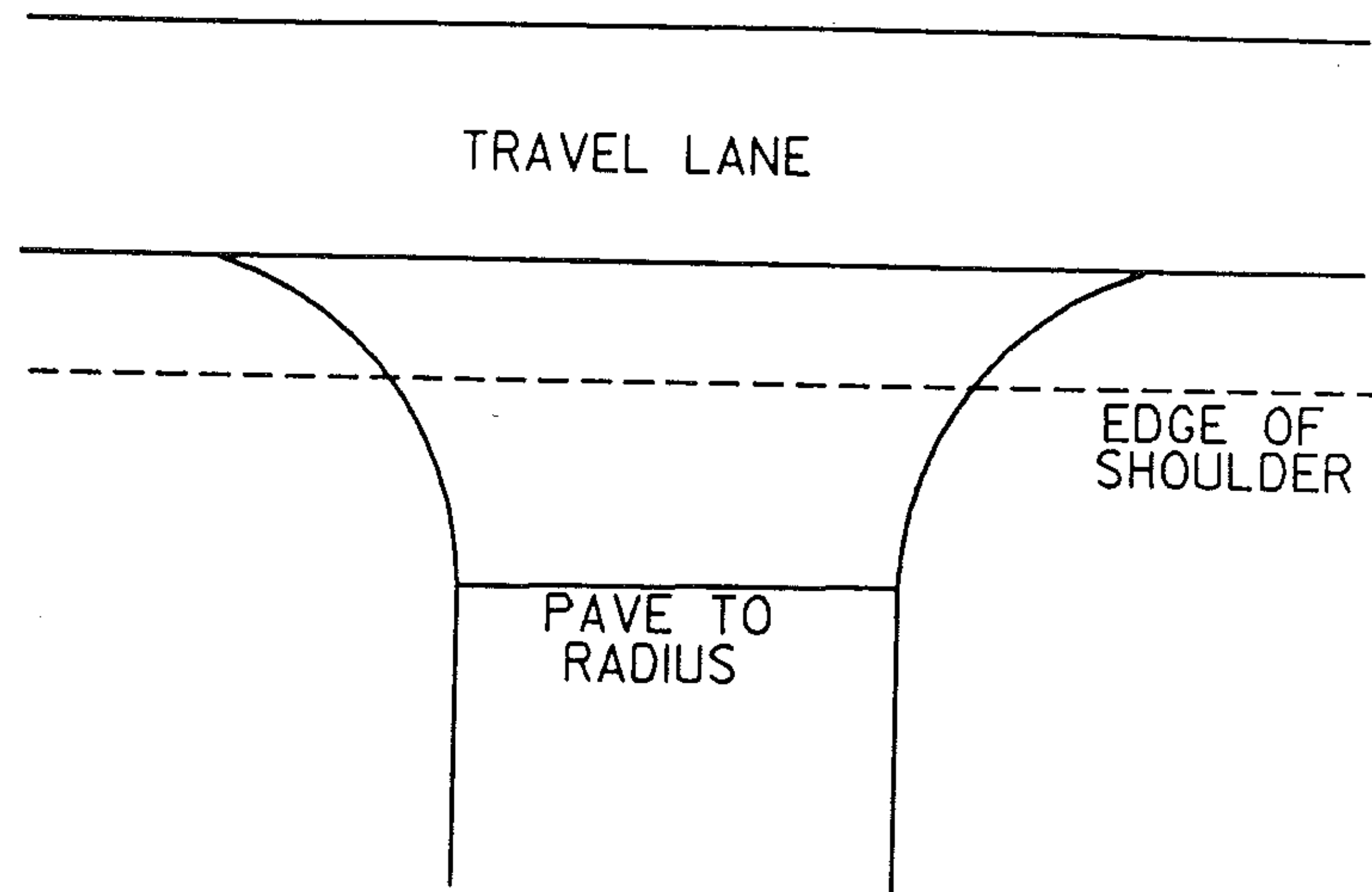
NO. HMA 2858

SHEET 29 OF 34 SHEETS

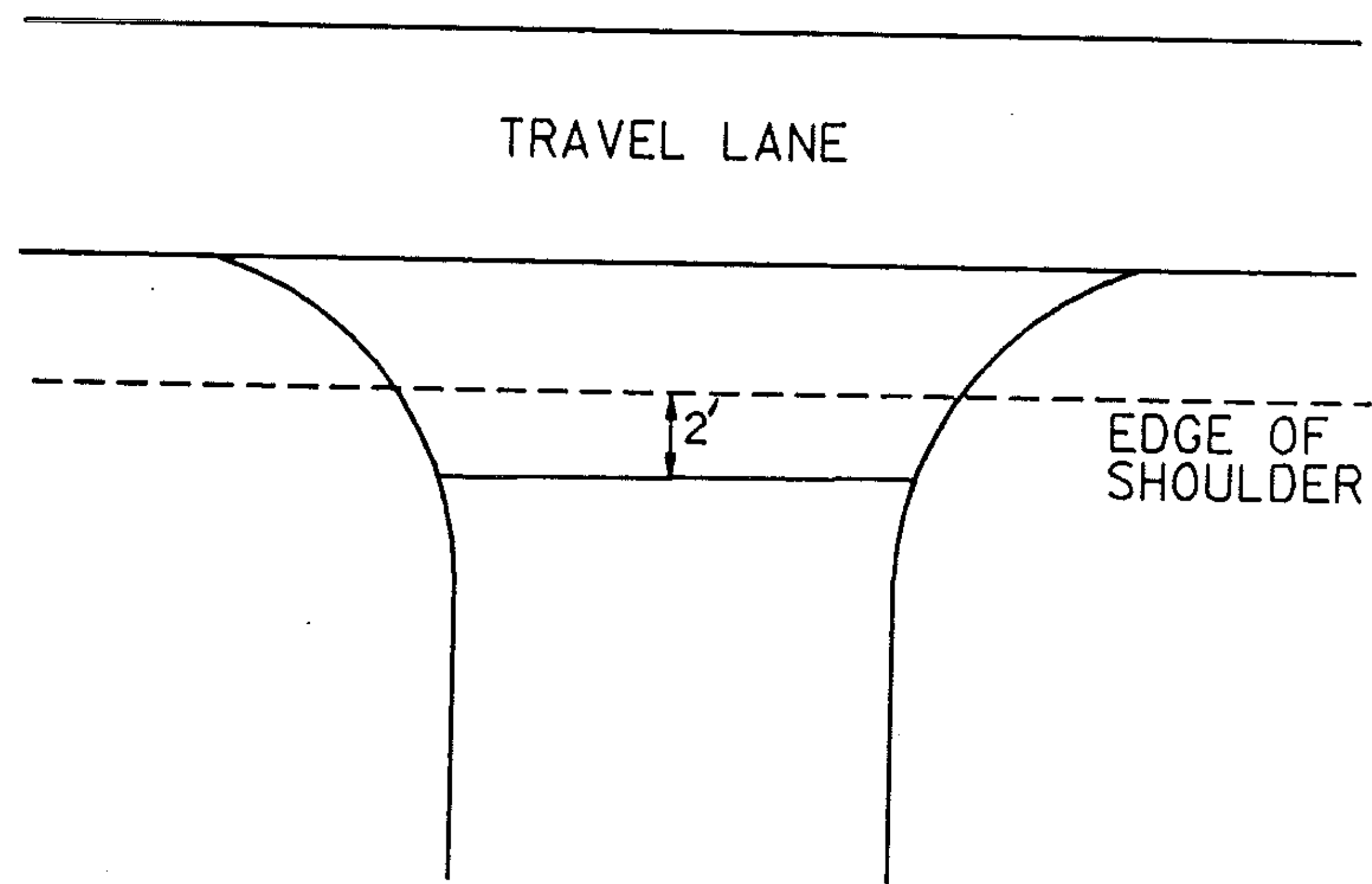
*CHAS. BENT*

PAVING LIMITS FOR DRIVES & TOWN ROADS

PAVING LIMITS FOR TOWN ROADS



PAVING LIMITS FOR DRIVES



PROJECT ARLINGTON

NO. HMA 2858

SHEET 30 OF 34 SHEETS





GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS  
IN CONSTRUCTION ZONES

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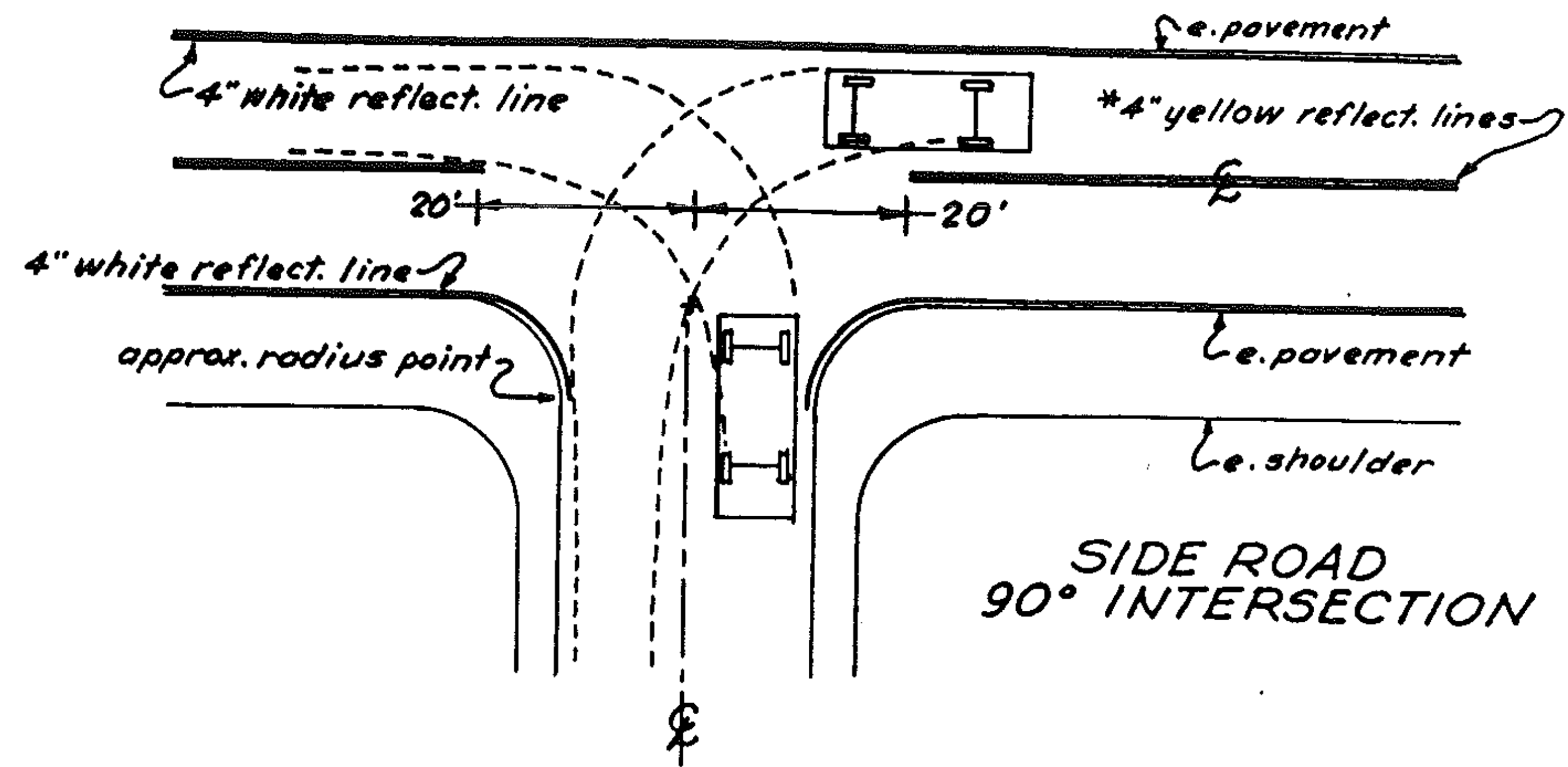
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REVISED  
02/11/85

sheet 33 of 34 sheets



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