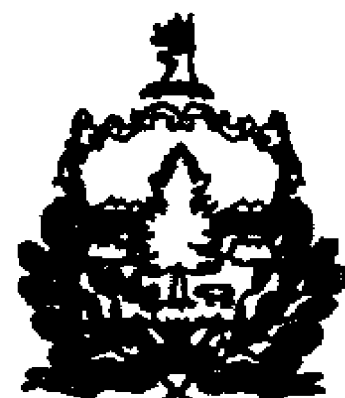


STATE OF VERMONT
AGENCY OF TRANSPORTATION



CONTRACT PLANS

THESE PLANS DO NOT REFLECT
CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

SWANTON-ESSEX-WESTFORD-FAIRFAX-GEORGIA
TOWN OF FAIRFIELD-ALBURG-So.HERO-MILTON-BAKERSFIELD

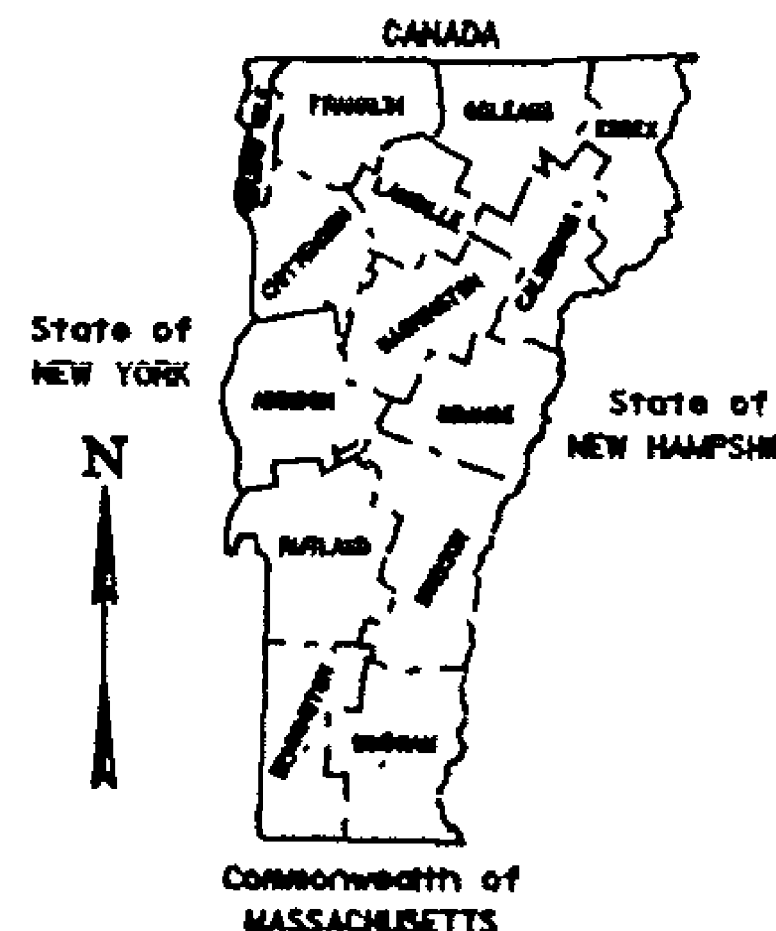
COUNTY OF CHITTENDEN-FRANKLIN

ROUTE NO. VT.78, VT.128, VT.104, US2, VT.36

ROUTE CLASS FAS

FOR DESCRIPTION AND LOCATION

- SWANTON HMA 2814 SEE SHEET 9
- ESSEX-WESTFORD HMA 2832, 2835 SEE SHEET 13
- FAIRFAX-FAIRFIELD HMA 2836, SEE SHEET 19
- ALBURG HMA 2846 SEE SHEET 26
- So.HERO-MILTON HMA 2850 SEE SHEET 31
- GEORGIA HMA 2854 SEE SHEET 35
- FAIRFIELD-BAKERSFIELD HMA 2866, 2871 SEE SHEET 39



Date OCT 27 1987

PIKE INDUSTRIES INC
Contractor

Roger D. Martz
Signature

VICE PRESIDENT
Title

Jose C. Ciampi
Transportation Secretary's Signature

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 24, 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 W. Kelly DATE 8/10/87
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT NO.

SHEET 1 OF 60 SHEETS

FOR INDEX SEE SHEETS 2-3

INDEX OF SHEETS

- 1. TITLE PAGE
- 2-3 INDEX OF SHEETS
- 4-5 QUANTITY SHEET
- 6 PAVING LIMITS FOR DRIVES AND TOWN ROADS
- 7 GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS IN CONSTRUCTION ZONES.
- 8 MAINLINE PAVEMENT MARKING AT INTERSECTING SIDE ROAD

- 9. SWANTON HMA 2814 DESCRIPTION AND LOCATION
- 10. TYPICAL SECTIONS AND DESIGN DATA
- 11. PAVEMENT MARKING LOCATIONS
- 12. PROJECT LENGTHS AND ITEM QUANTITIES

- 13 ESSEX-WESTFORD HMA 2835, 2832 DESCRIPTION & LOCATION
- 14-15 TYPICAL SECTIONS AND DESIGN DATA
- 16 PAVEMENT MARKING LOCATIONS
- 17-18 PROJECT LENGTHS AND ITEM QUANTITIES

- 19 FAIRFAX - FAIRFIELD HMA 2836 DESCRIPTION & LOCATION
- 20-22 TYPICAL SECTIONS & DESIGN DATA
- 23-24 PAVEMENT MARKING LOCATIONS
- 25-25A PROJECT LENGTH AND ITEM QUANTITIES

- 26 ALBURG HMA 2846 DESCRIPTION & LOCATION
- 27 TYPICAL SECTIONS & DESIGN DATA
- 28 PAVEMENT MARKING LOCATIONS
- 29-30 PROJECT LENGTH AND ITEM QUANTITIES

PROJECT _____

NO. _____
SHEET 2 OF 60 SHEETS

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32	TYPICAL SECTIONS & DESIGN DATA			
33	PAVEMENT MARKING LOCATIONS			
34	PROJECT LENGTH AND ITEM QUANTITIES			
35	GEORGIA HMA 2854 DESCRIPTION & LOCATION			
36	TYPICAL SECTIONS & DESIGN DATA			
37	PAVEMENT MARKING LOCATIONS			
38	PROJECT LENGTH AND ITEM QUANTITIES			
39	FAIRFIELD - BAKERSFIELD HMA 2871, 2866 DESCRIPTION & LOCATION			
40-44	TYPICAL SECTIONS & DESIGN DATA			
45-47	PAVEMENT MARKING LOCATIONS			
48	LIST OF BRIDGES			
49-53	PROJECT LENGTHS AND ITEM QUANTITIES			
54	STANDARD SHEET	E-2		(2-3-86R)
55	STANDARD SHEET	E-6		(2-3-86R)
56	STANDARD SHEET	E-7		(2-3-86R)
57	STANDARD SHEET	E-7a		(2-3-86R)
58	STANDARD SHEET	E-8		(2-3-86R)
59	STANDARD SHEET	E-15c		(2-3-86R)
60	STANDARD SHEET	E-50		(2-3-86R)

PROJECT _____

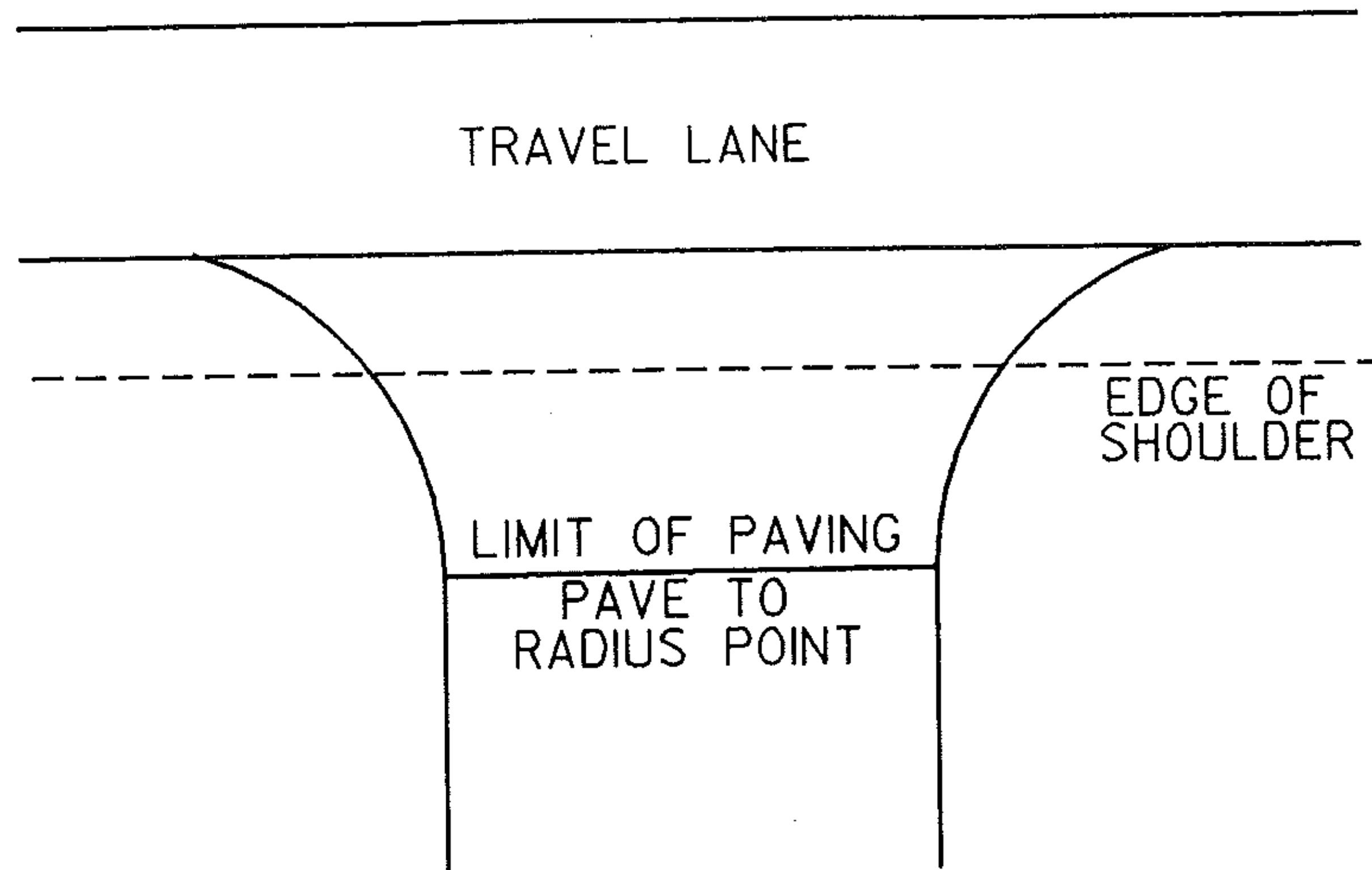
NO. _____
SHEET 3 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

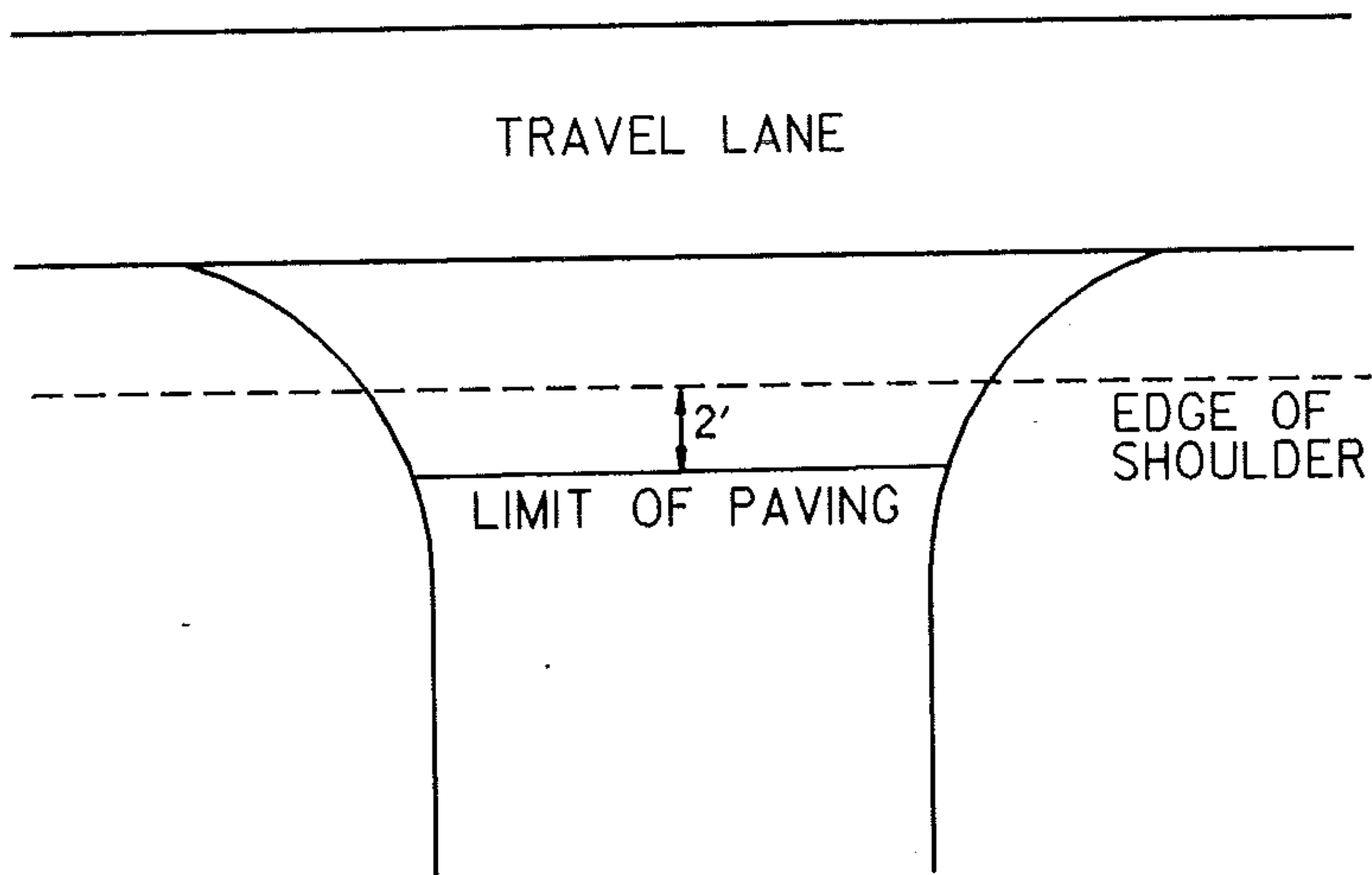
ITEM NO.	UNIT	FT.	FT.	IN.	OVERLAY DEPTH		GRAVEL SHOULDERS		GRAVEL SHOULDERS		EMULSIFIED ASPHALT		BITUMINOUS CONCRETE RENTAL		POWER BROOM RENTAL		UNIFORMED TRAFFIC OFFICERS		FLAGGERS		MOBILIZATION		TEMP 4" WHITE LINE		TEMP 4" YELLOW LINE		TOPSOIL			
					LENGTH	WIDTH	GRAVEL SHOULDERS	GRAVEL SHOULDERS	TON	CWT	TON	HR	HR	HR	HR	HR	HR	LS	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
HMA 2814		17910	2.6	1 1/4	230	400	55	4475	30	185	185	185	185	185	0.11	35820	46300													
HMA 2832		6864	2.6	1 1/4	275	467	25	1734	12	70	70	70	70	70	0.04	13732	16842													
HMA 2835		23248	28	1 1/4	1300	2283	70	6366	38	255	255	255	255	255	0.14	46468	86508													
HMA 2836		39737	VARIES	1 1/4	2200	3850	125	10700	65	425	425	425	425	425	0.24	79500	129210													
HMA 2846		2112	34	1 1/2	35	55	10	825	5	45	45	45	45	45	0.01	4230	8450													
HMA 2850		16759	40	1 1/2	220	385	95	7710	30	390	390	390	390	390	0.10	32350	21220													
HMA 2854		1199	34	1 1/4	20	35	10	415	5	30	30	30	30	30	0.01	2400	4500													
HMA 2866		56428	VARIES	1 1/4	1525	2675	210	15000	90	750	750	750	750	750	0.34	112900	188300													
HMA 2871		2640	28	1 1/4	100	175	10	750	5	40	40	40	40	40	0.01	5300	4500													
TOTAL		166897	VARIES	VARIES	5905	10325	610	47975	280	2190	2190	2190	2190	2190	1	332700	505830													

PAVING LIMITS FOR TOWN ROADS & DRIVES

PAVING LIMITS FOR TOWN ROADS



PAVING LIMITS FOR DRIVES



PROJECT _____

NO. _____

SHEET 6 OF 60 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:

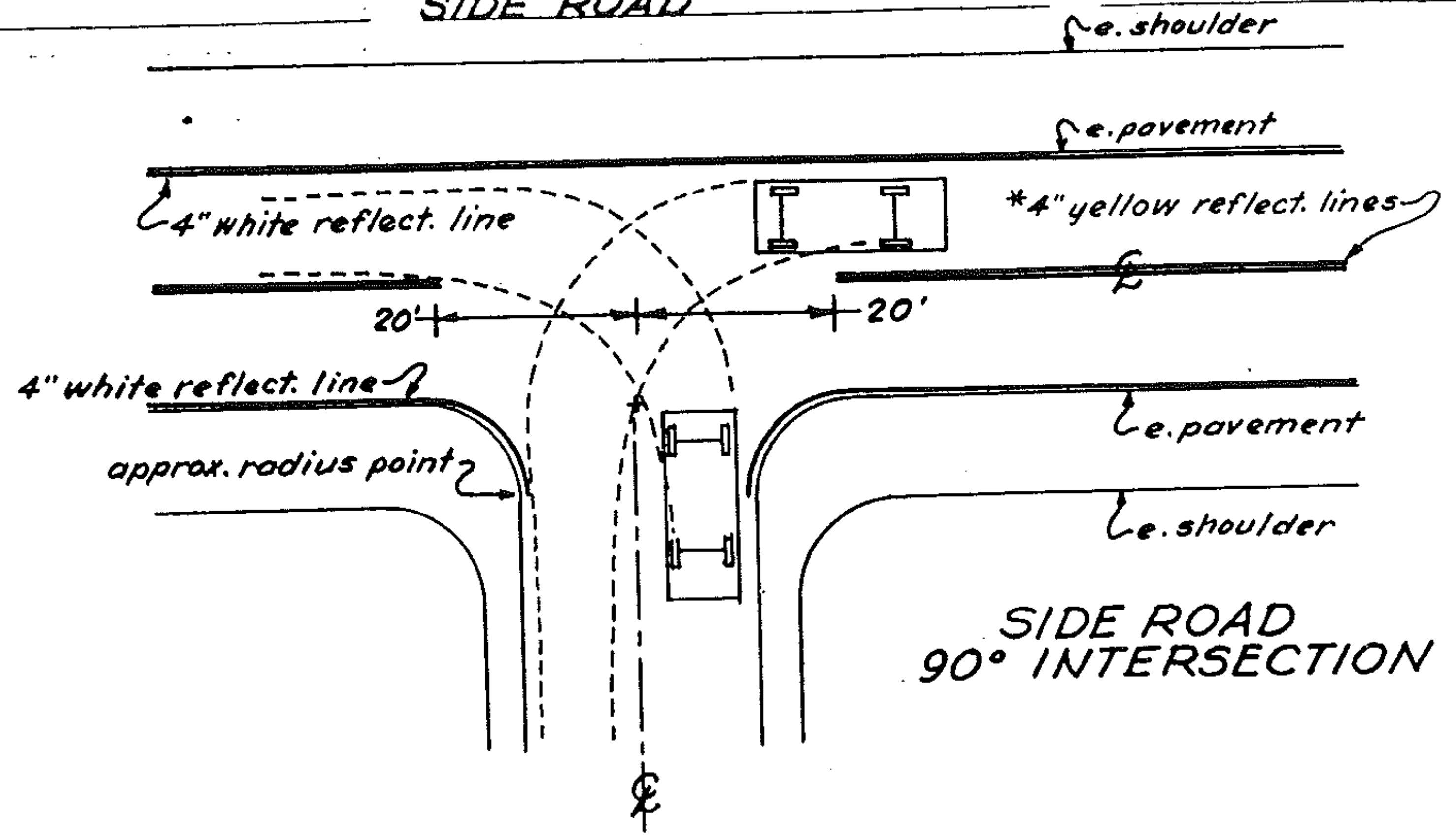
NO PASSING BARRIER
NO RPM'S ALLOWED.

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

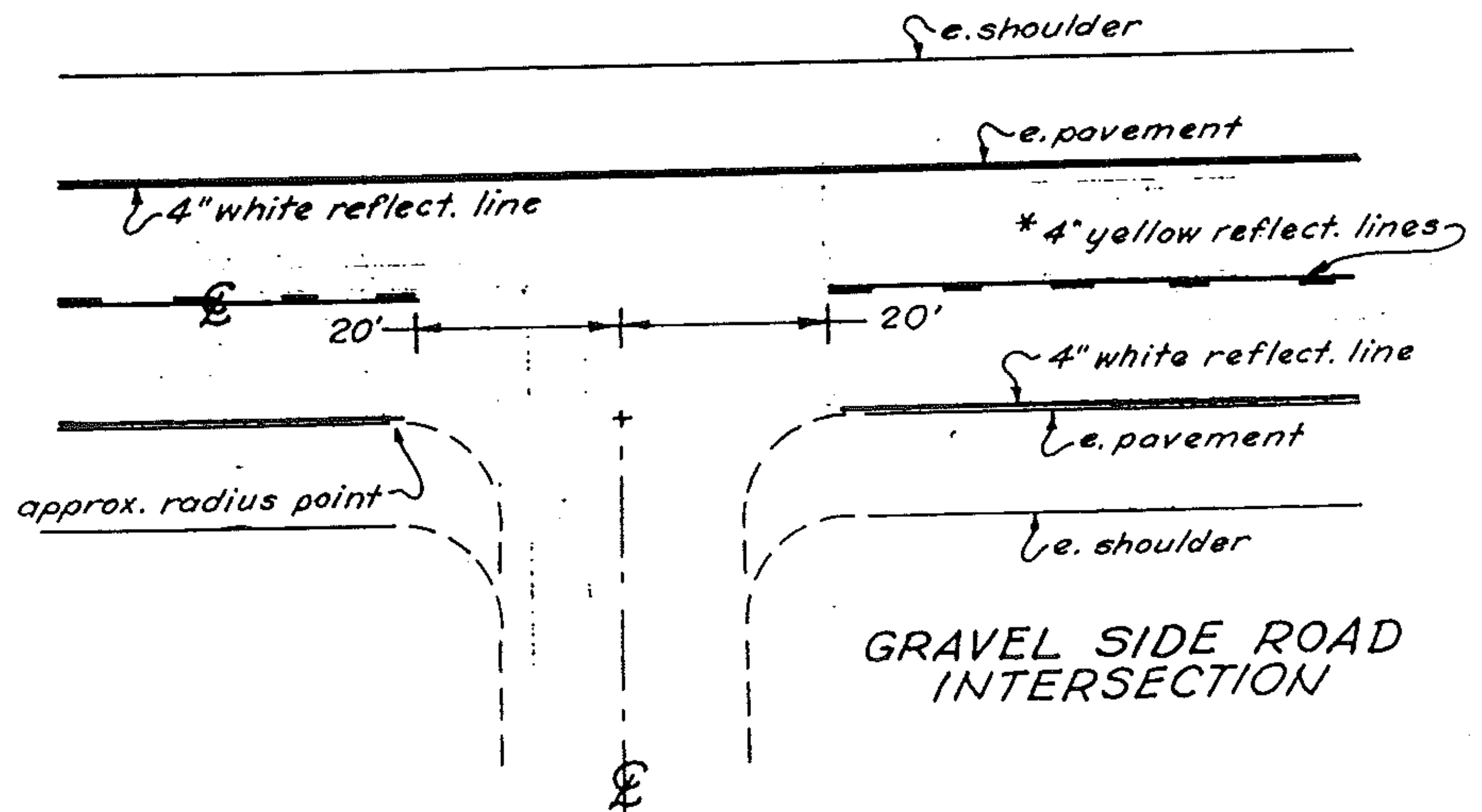
SOLID LINE - EDGE LINES
INTERSTATE MEDIAN SIDE-RETRO-REFLECTIVE RPM'S ON 4 TO 5 FOOT CENTER.
DRIVERS RIGHT SIDE-RPM'S NOT ALLOWED.

- 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.

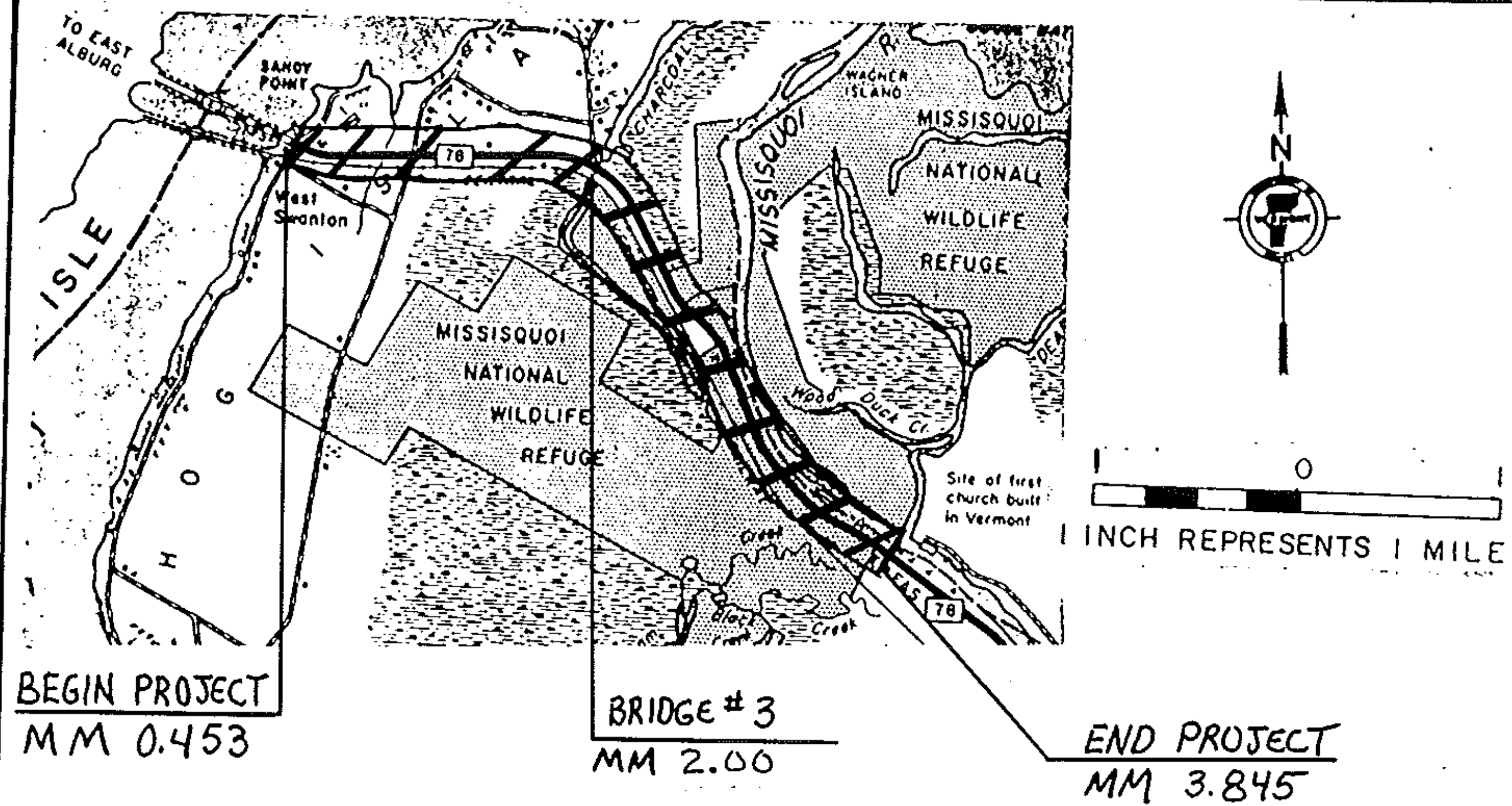
REVISED
02/11/85



* 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.



DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF SWANTON ON VT. ROUTE 78 AT MM 0.453 AND EXTENDING EASTERLY 3.392 MILES TO MM 3.845. RESURFACING OF THE HIGHWAY, NEW PAVEMENT MARKINGS

1986 ADT 3950

LENGTH OF PROJECT = 3.392 MILES
17,910 FEET

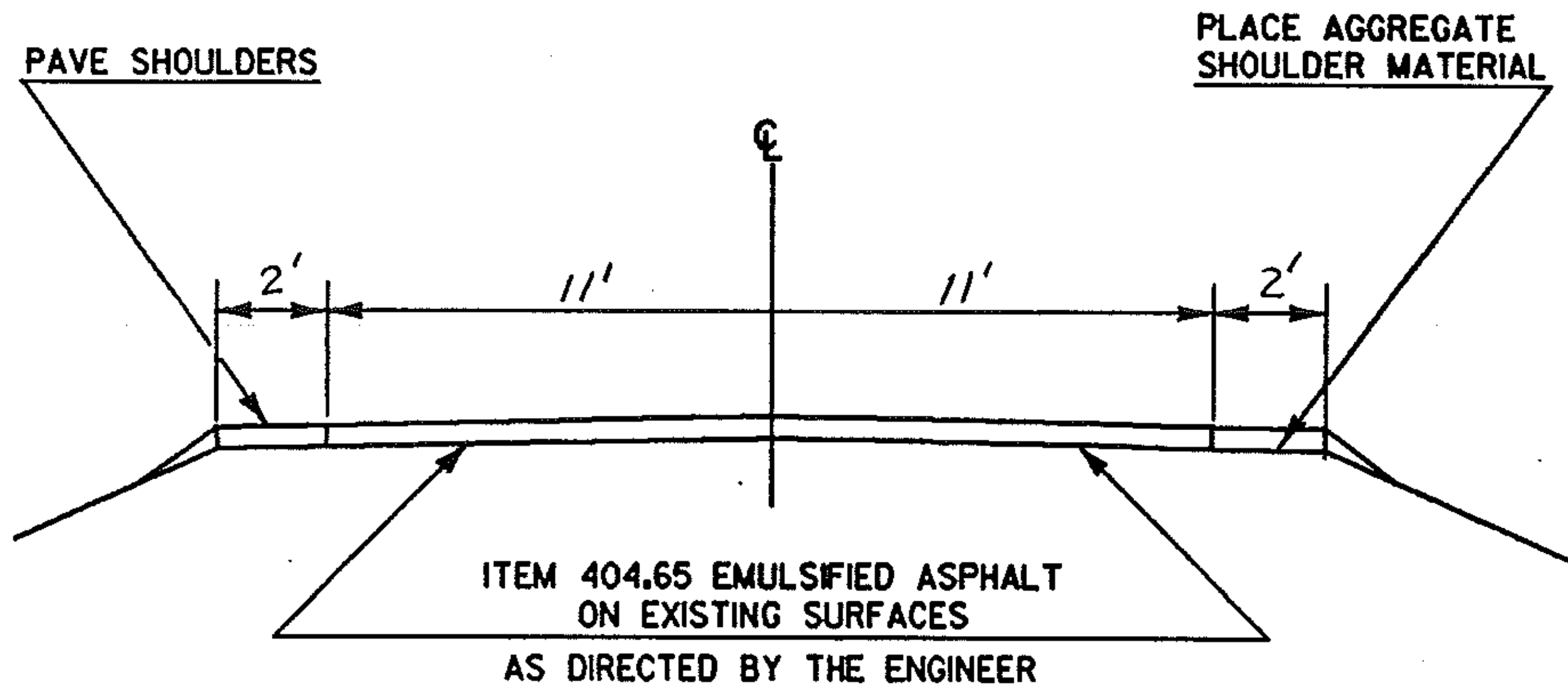
PROJECT SWANTON

NO. HMA 2814

SHEET 9 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (250 TONS/MILE)
1/4" WEARING COURSE TYPE III (±1/4")
AS DIRECTED BY THE ENGINEER



VT 78 MM 0.453 ~ MM 3.845

PROJECT SWANTON

NO. HMA 2814

SHEET 10 OF 60 SHEETS

TEMPORARY 4" YELLOW LINE

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY C	QUANTITY RT	TOTALS
0.45	0.69	S	S	1267		1267	2534
0.69	0.80	S	D	581		145	726
0.80	1.06	D	D		343		343
1.06	1.12	S	D	317		79	396
1.12	1.42	D	D		396		396
1.42	1.53	D	S	145		581	726
1.53	2.30	S	S	4066		4066	8132
2.30	2.41	S	D	581		145	726
2.41	2.66	D	D		330		330
2.66	2.78	D	S	158		634	792
2.78	3.24	S	S	2429		2429	4858
3.24	3.30	S	D	317		79	396
3.30	3.47	D	D		224		224
3.47	3.57	D	S	132		528	660
3.57	3.75	S	S	792		792	1584
3.75	3.845	S	D	502		125	627
						SUBTOTAL	= 23450
						ASSUME 100% LOSS DUE TO LEVELING	= 23450
						MINUS 4 TH'S OPENINGS @ 90' EA	= -640
						SUBTOTAL	= 46260
						ROUNDING	= 40
						TOTAL	= 46300

TEMPORARY 4" WHITE LINE

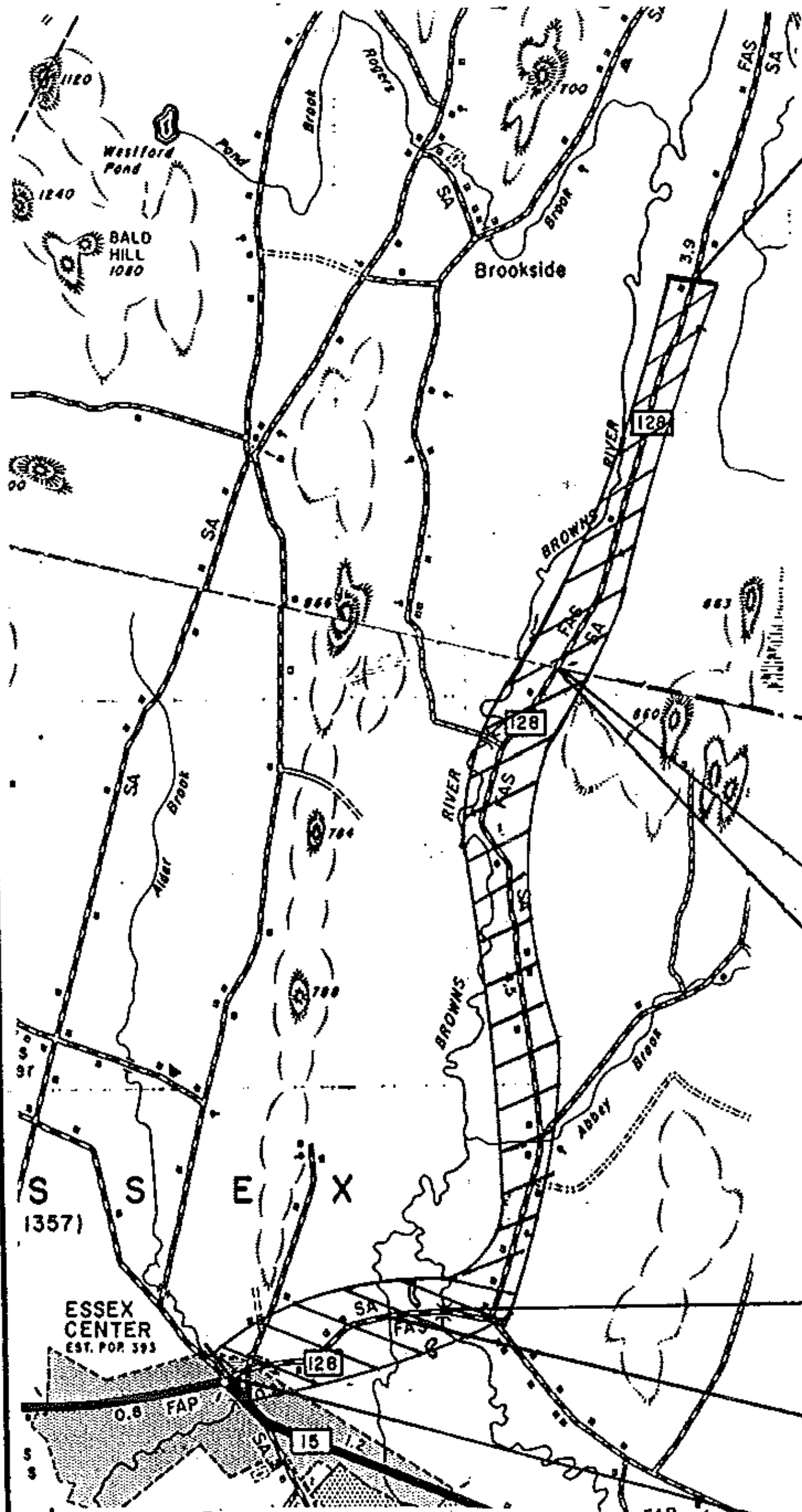
0.453	3.845	S	S	17910		17910	35820

PROJECT SWANTON

NO. HMA 2814
SHEET 11 OF 60 SHEETS

DESCRIPTION AND LOCATION

1986 ADT = 1670

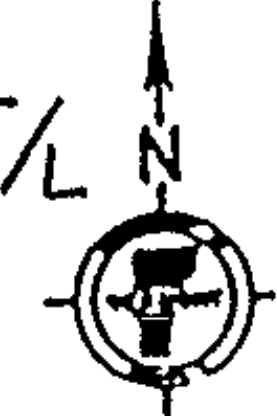
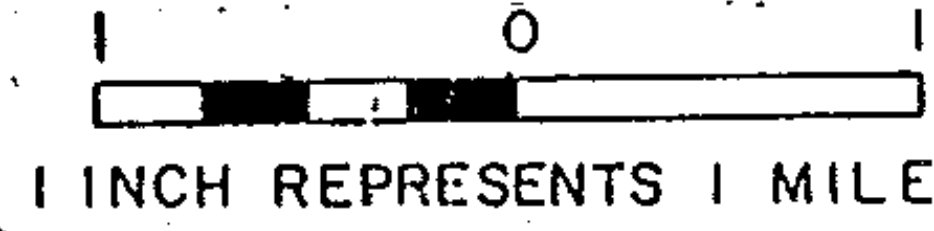


END PROJECT HMA 2832
MM 1.300

HMA 2832: BEGINNING IN THE TOWN OF WESTFORD ON RTE. 128 AT MM 0.000 AND EXTENDING NORTHERLY TO MM 1.300. RESURFACING OF HIGHWAY, NEW PAVEMENT MARKINGS.

HMA 2835: BEGINNING IN THE TOWN OF ESSEX ON VT RTE. 128 AT MM 0.000 AND EXTENDING NORTHERLY TO MM 4.403. RESURFACING OF HIGHWAY, NEW PAVEMENT MARKINGS.

WESTFORD — T/L — N
ESSEX



BEGIN PROJECT HMA 2832
MM 0.000

END PROJECT HMA 2835
MM 4.403

BRIDGE #3
MM 1.04
PAVE W/ONLY 3/4"

BRIDGE #2
MM 0.806

BEGIN PROJECT HMA 2835
MM 0.000

WESTFORD
HMA 2832 LENGTH = 1.3 MI. = 6864 FT.

ESSEX
HMA 2835 LENGTH = 4.403 MI. = 23248 FT.

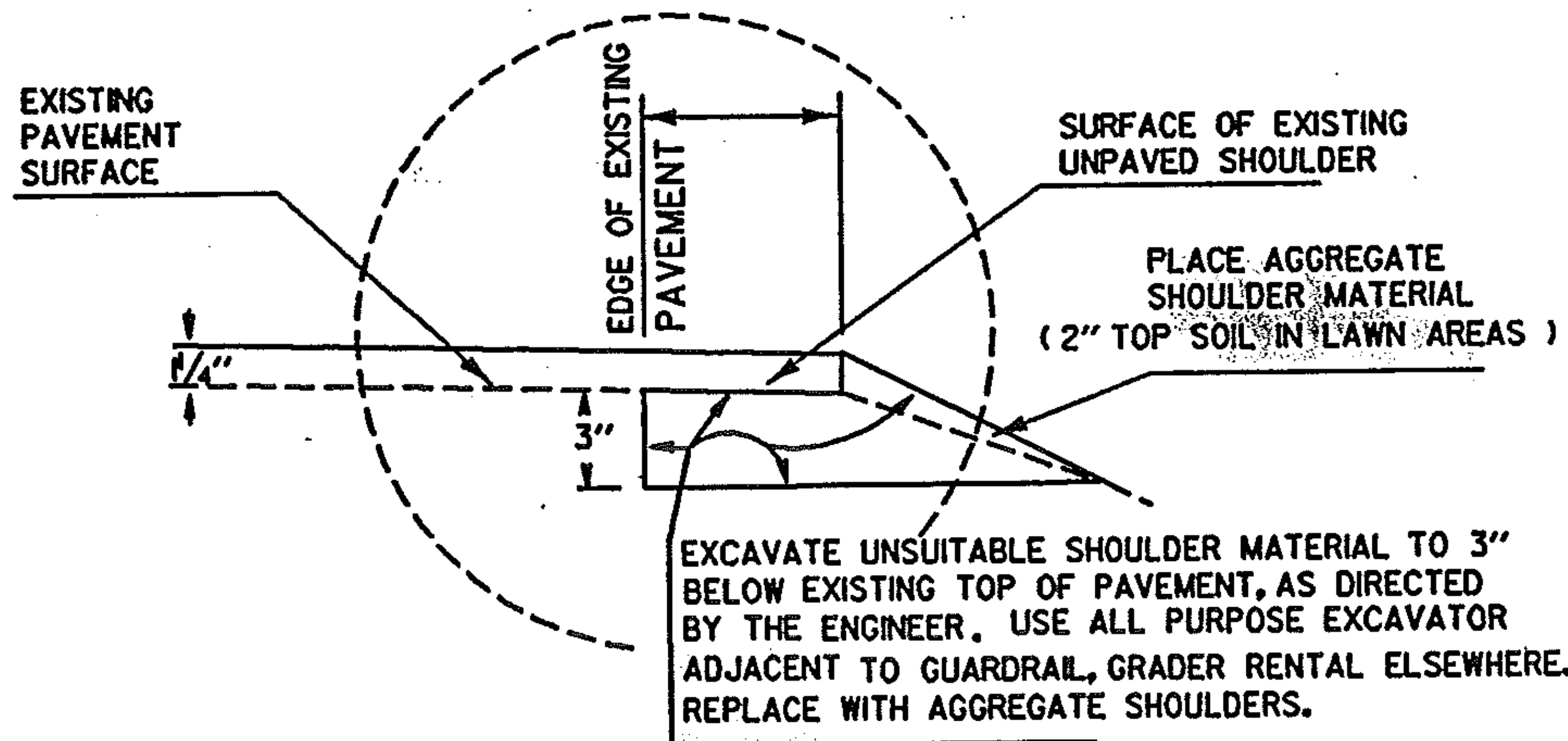
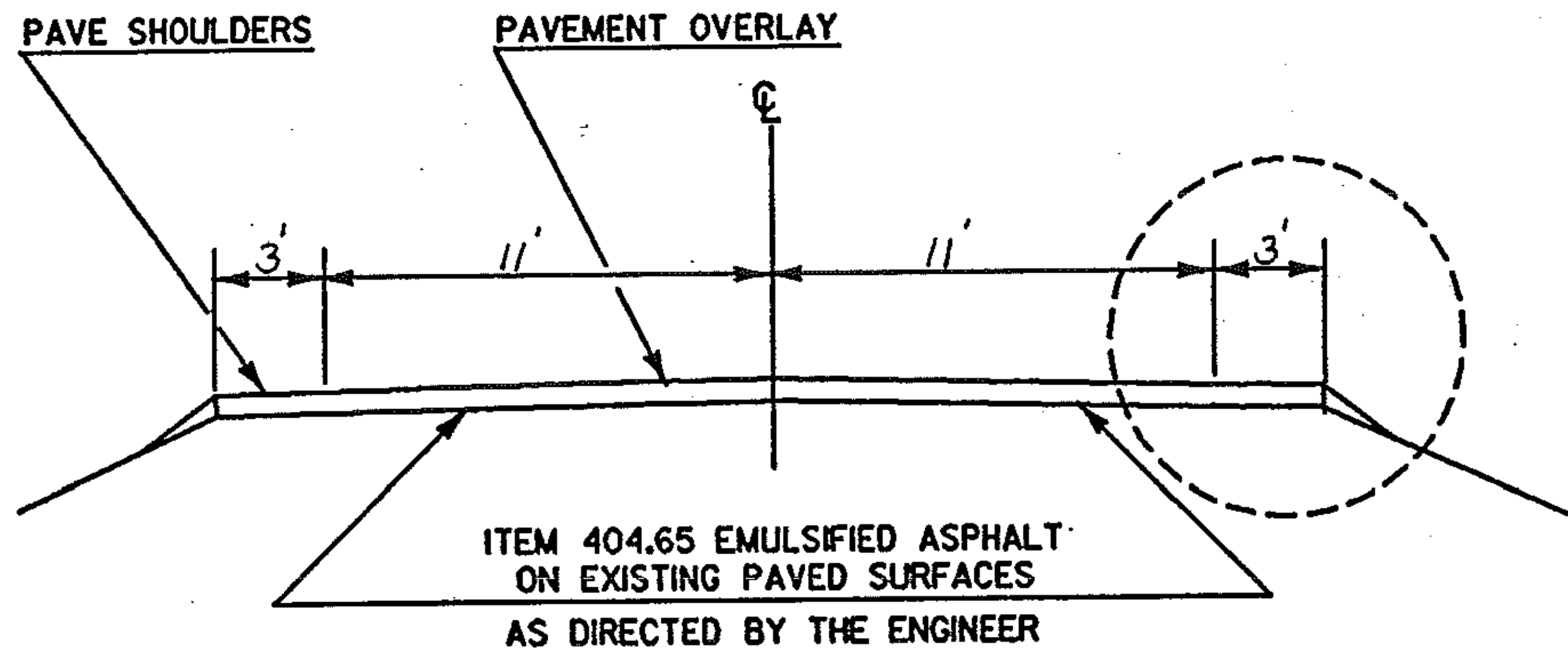
NO. HMA 2835, 2832

PROJECT ESSEX, WESTFORD

SHEET 13 OF 60 SHEETS

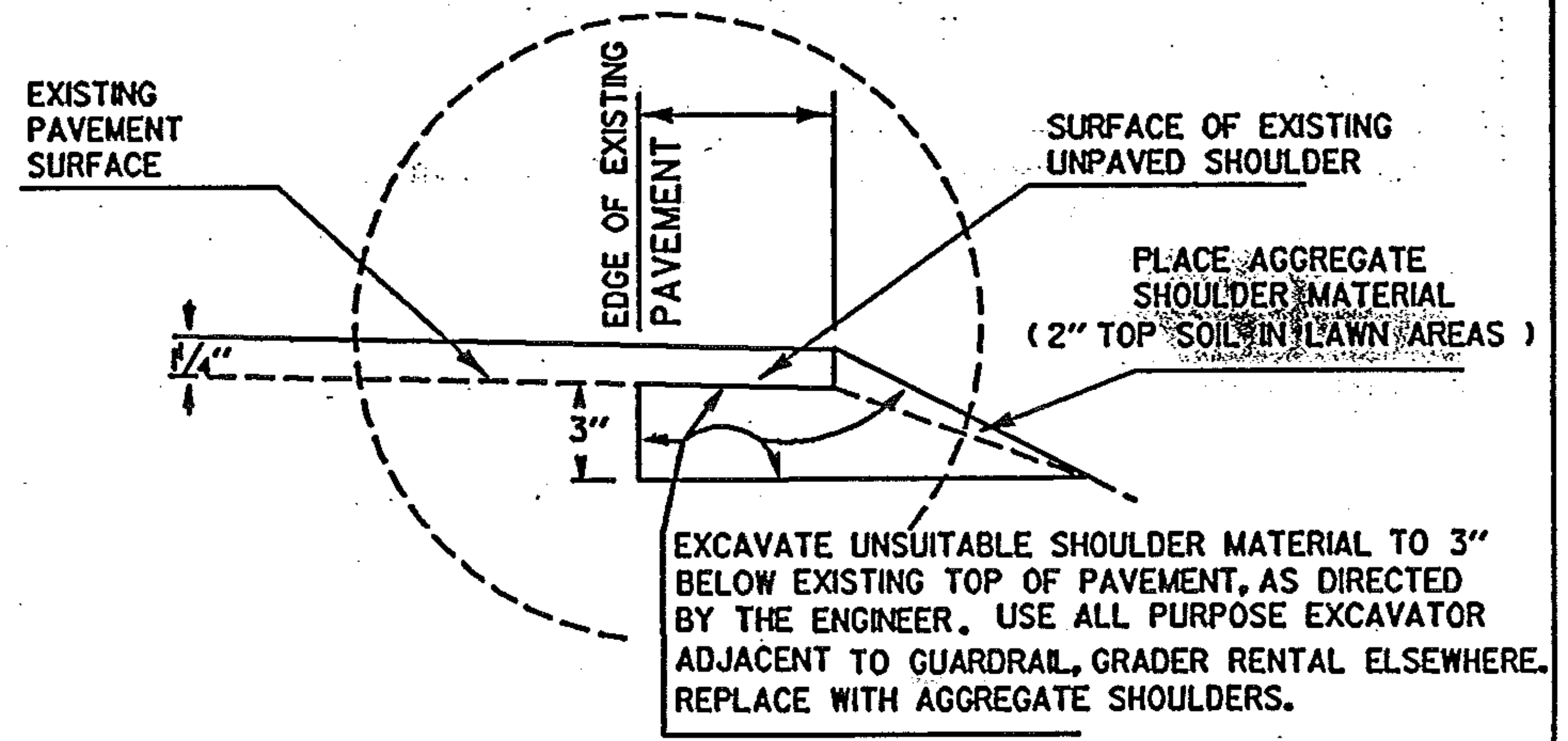
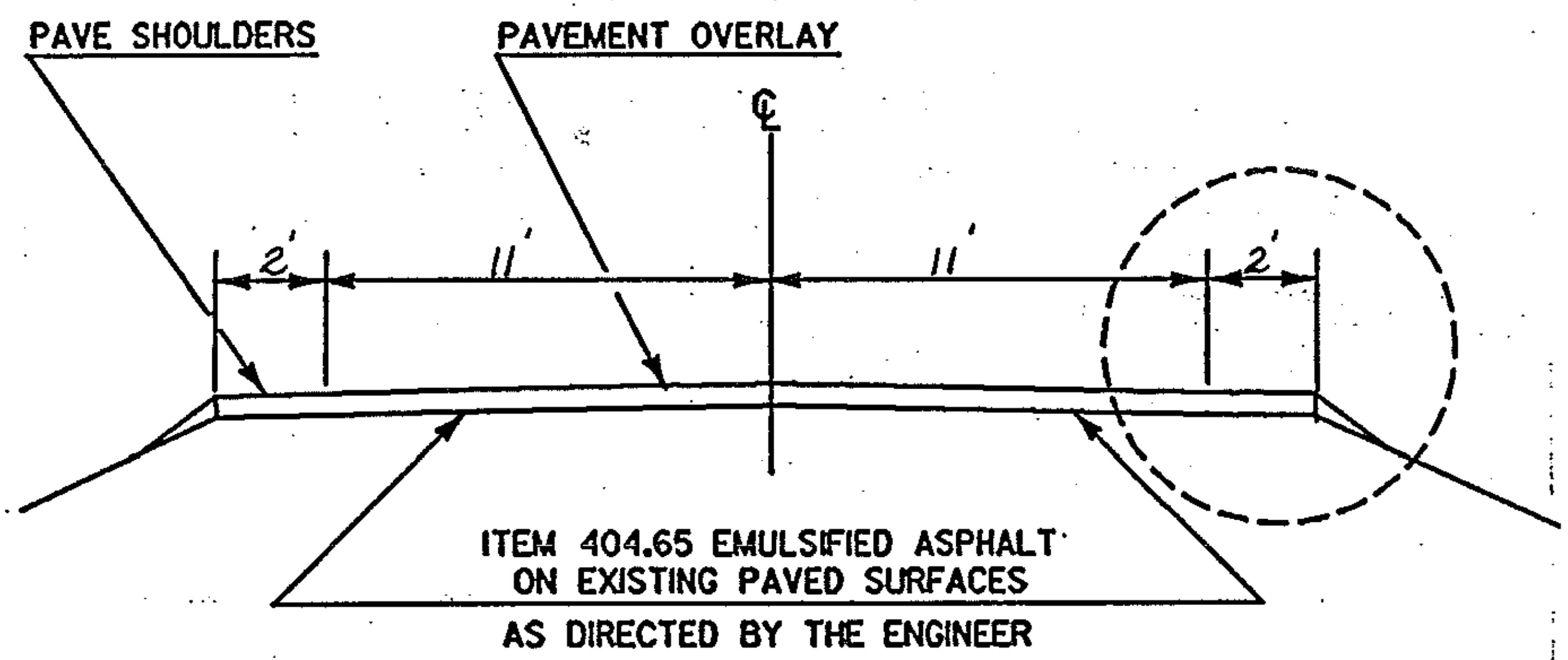
TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (300 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 128 ESSEX MM 0.000 ~ MM 4.403



TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (250 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 128 WESTFORD MM 0.000 ~ MM 1.300



TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT	QUANTITY LT	QUANTITY C	QUANTITY RT	TOTALS
Essex	0.00	0.87	S	S	4594		4594	9188
	0.87	1.02	S	S	792		792	1584
	1.02	1.49	S	S	2482		2482	4964
	1.49	1.55	S	D	317		79	396
	1.55	1.76	D	S	277		1109	1386
	1.76	1.88	D	S	158		634	792
	1.88	2.27	S	S	2059		2059	4118
	2.27	2.42	S	S	792		792	1584
	2.42	2.55	D	S	172		686	858
	2.55	2.70	S	D	792		198	990
	2.70	4.38	S	S	8870		8870	17740
	4.38	0.00	S	D	106		27	133
Westford	0.00	0.04	S	D	211		53	264
	0.04	0.22	D	D		238		238
	0.22	0.34	D	S	158		634	792
	0.34	0.62	S	S	1478		1478	2956
	0.62	0.76	S	D	739		185	924
	0.76	0.97	D	D		277		277
	0.97	1.10	D	S	171		686	857
	1.10	1.300	S	S	1056		1056	2112
							SUBTOTAL	= 52153
							ASSUME 100% LOSS DUE TO LEVELING	= 52153
							MINUS 6 TH'S @ 80' EACH	= -960
							SUBTOTAL	= 103346
							ROUNDING	= 4
							TOTAL	= 103350

TEMPORARY 4" WHITE LINE

Essex	0.00	4.400	S	S	23232		23232	46464
Westford	0.00	1.300	S	S	6864		6864	13728
							SUBTOTAL	60192
							ROUNDING	8
							TOTAL	60200
							12 L.F. OF DURABLE STOP BAR @ MM 0.00 IN ESSEX =	12 L.F. STOP BAR
							"SCHOOL" DURABLE LETTERS @ MM 0.08 & MM 0.28 IN ESSEX =	12 DURABLE LETTERS

PROJECT Essex - Westford

NO. HMA 2835 & 2832

SHEET 16 OF 60 SHEETS

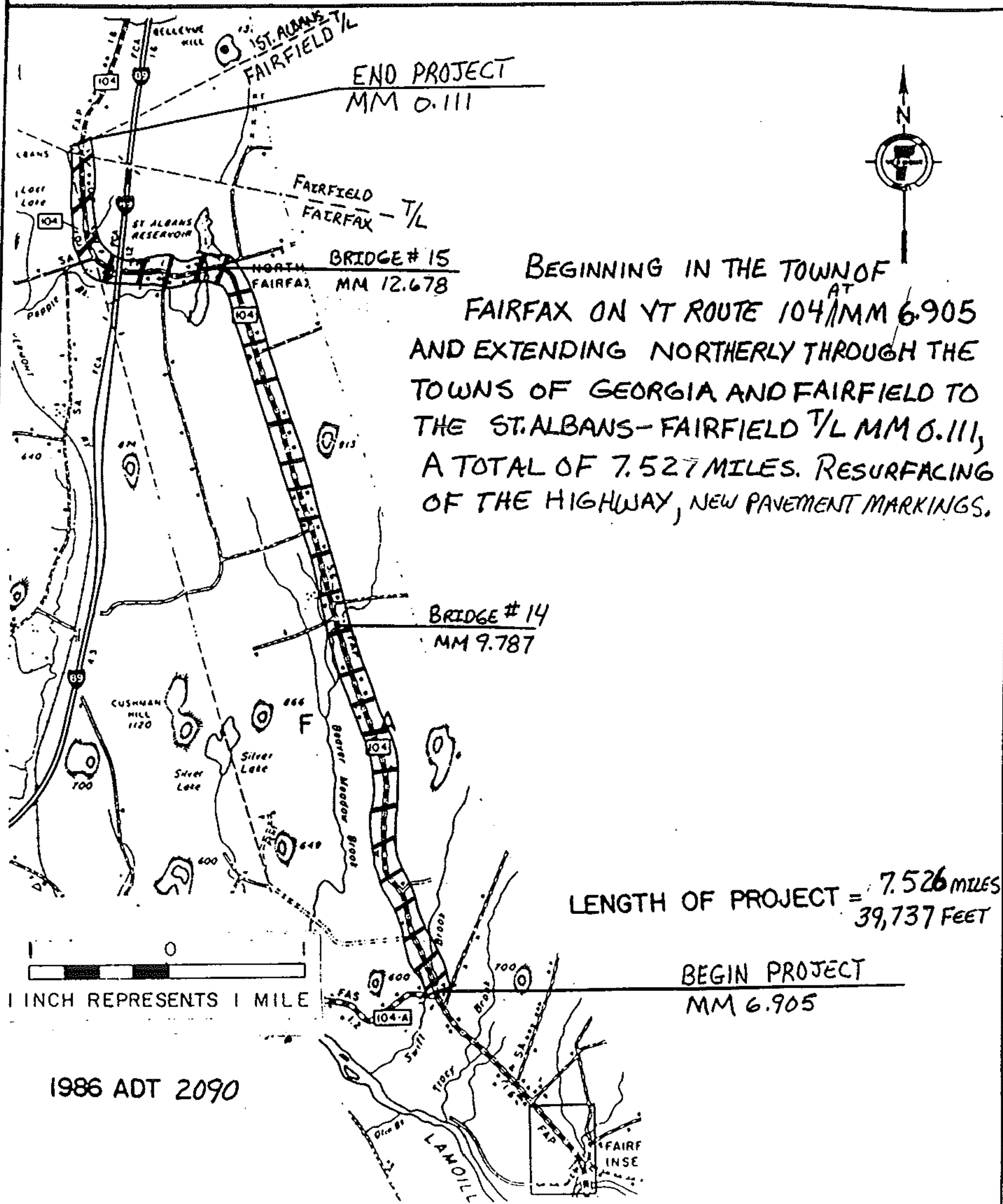
PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION
 FOUR GRADE GENERAL
 TRUCK RENTAL
 DURABLE 24" STOP BAR
 DURABLE LETTER IN CURB MARKING

ITEM NO.	608.15	608.25	608.37	616.40	616.44															
UNIT	HR	HR	HR	LF	EA															
ESSEX HMA	30	25	10																	
MM 0.00				12																
MM 0.08					6															" SCHOOL "
MM 0.28					6															" SCHOOL "
WESTFORD	10	10	5																	
HMA 2832																				
TOTALS	40	35	15	12	12															

PROJECT ESSEX - WESTFORD NIN HMA 2835, 2832 ----- 18 -----

DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF FAIRFAX ON VT ROUTE 104 AT MM 6.905 AND EXTENDING NORTHERLY THROUGH THE TOWNS OF GEORGIA AND FAIRFIELD TO THE ST. ALBANS-FAIRFIELD T/L MM 0.111, A TOTAL OF 7.527 MILES. RESURFACING OF THE HIGHWAY, NEW PAVEMENT MARKINGS.



LENGTH OF PROJECT = 7.526 MILES
39,737 FEET

1 INCH REPRESENTS 1 MILE

1986 ADT 2090

BEGIN PROJECT
MM 6.905

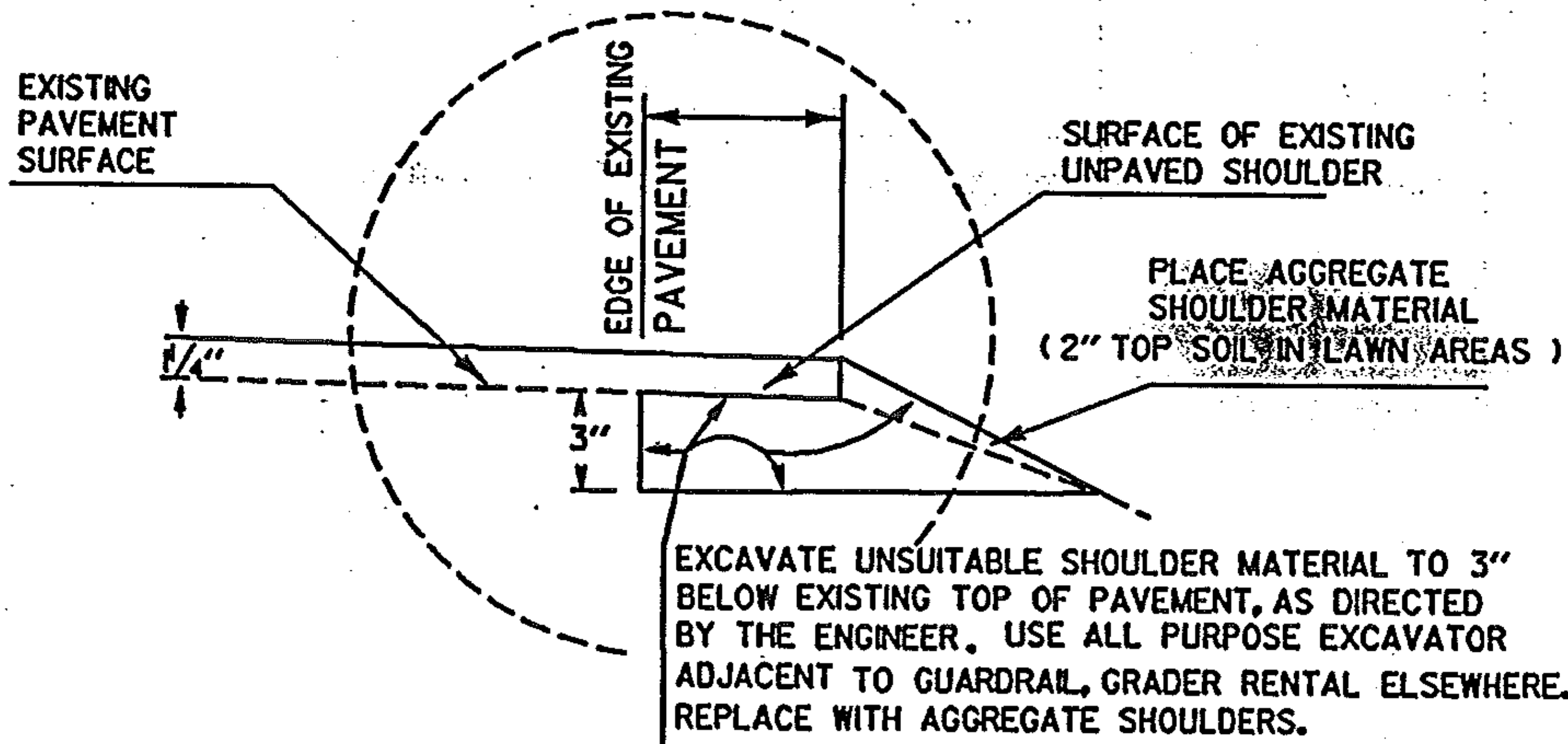
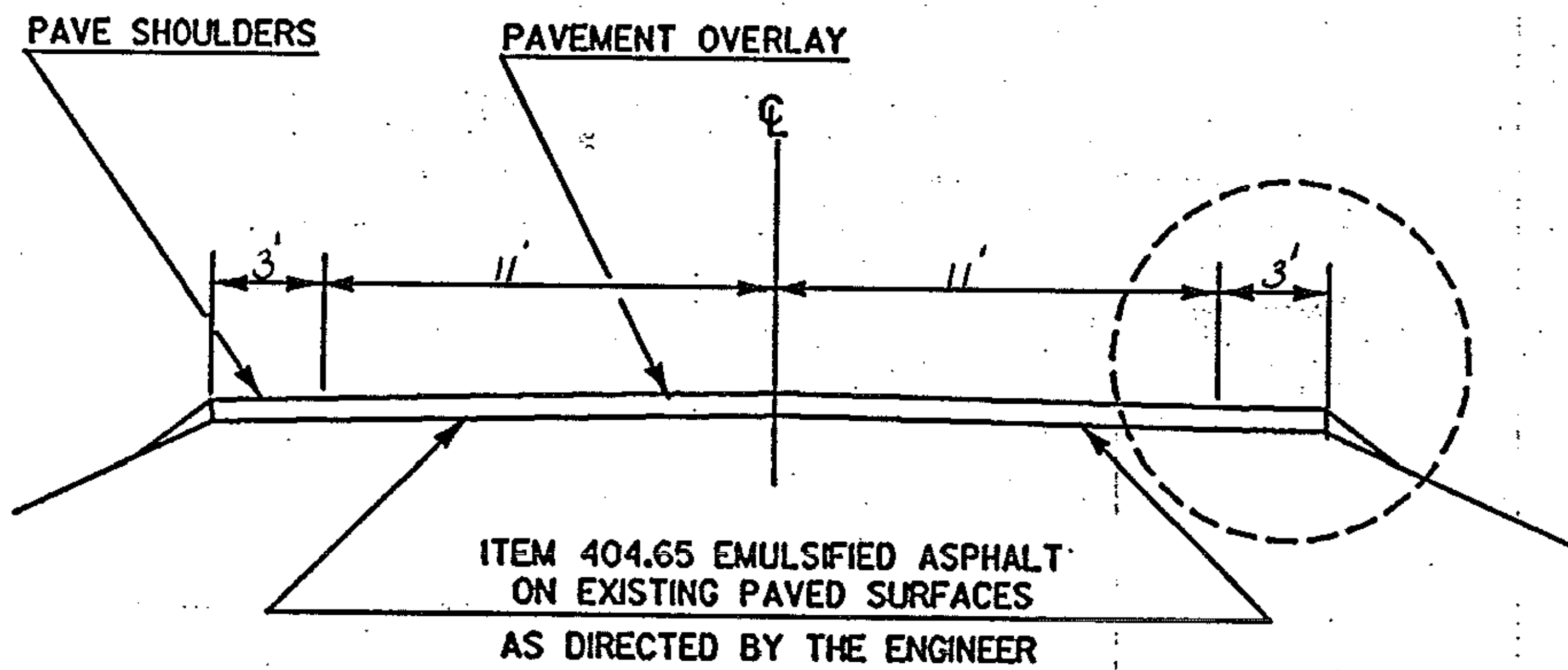
PROJECT FAIRFAX - GEORGIA - FAIRFIELD

NO. HMA 2836

SHEET 19 OF 60 SHEETS

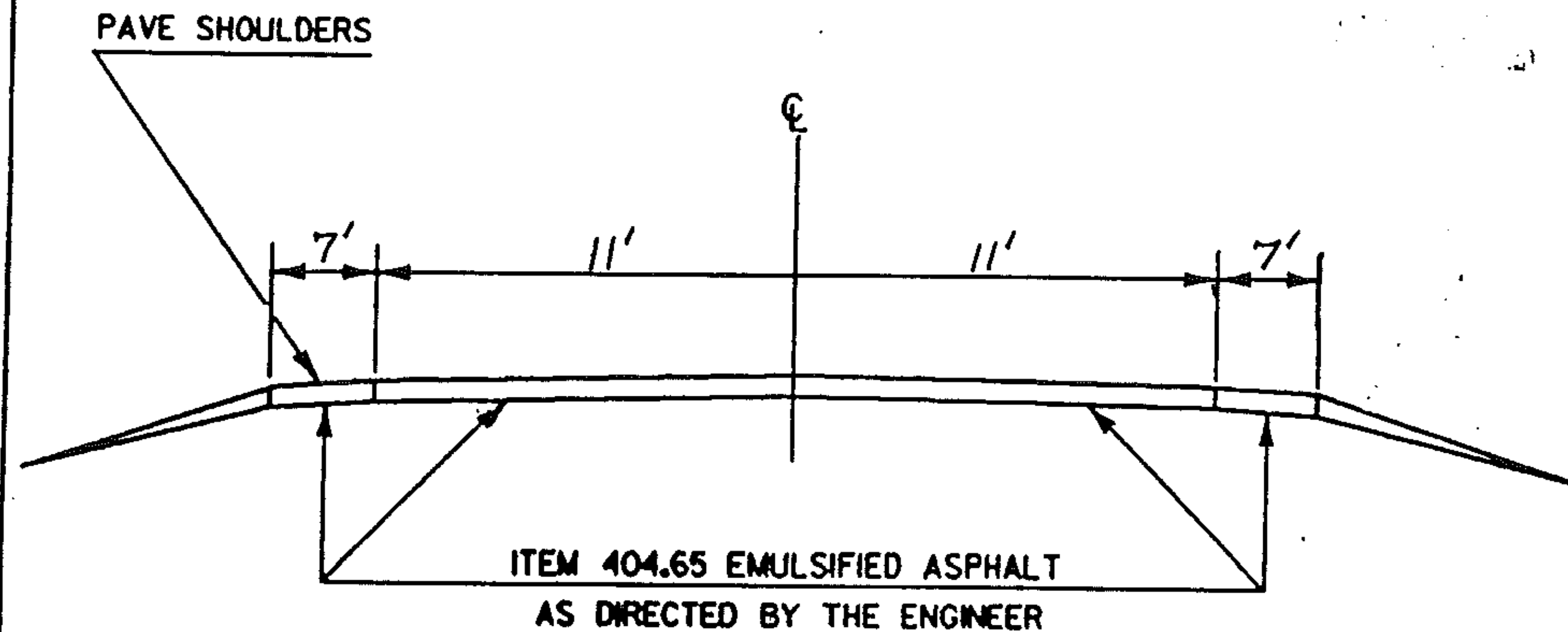
TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (250 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 104 FAIRFAX MM 6.905 ~ MM 12.29
 MM 12.80 ~ MM 14.19



TYPICAL SECTIONS & DESIGN DATA

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



VT 104 FAIRFAX MM 12.29 ~ MM 12.80

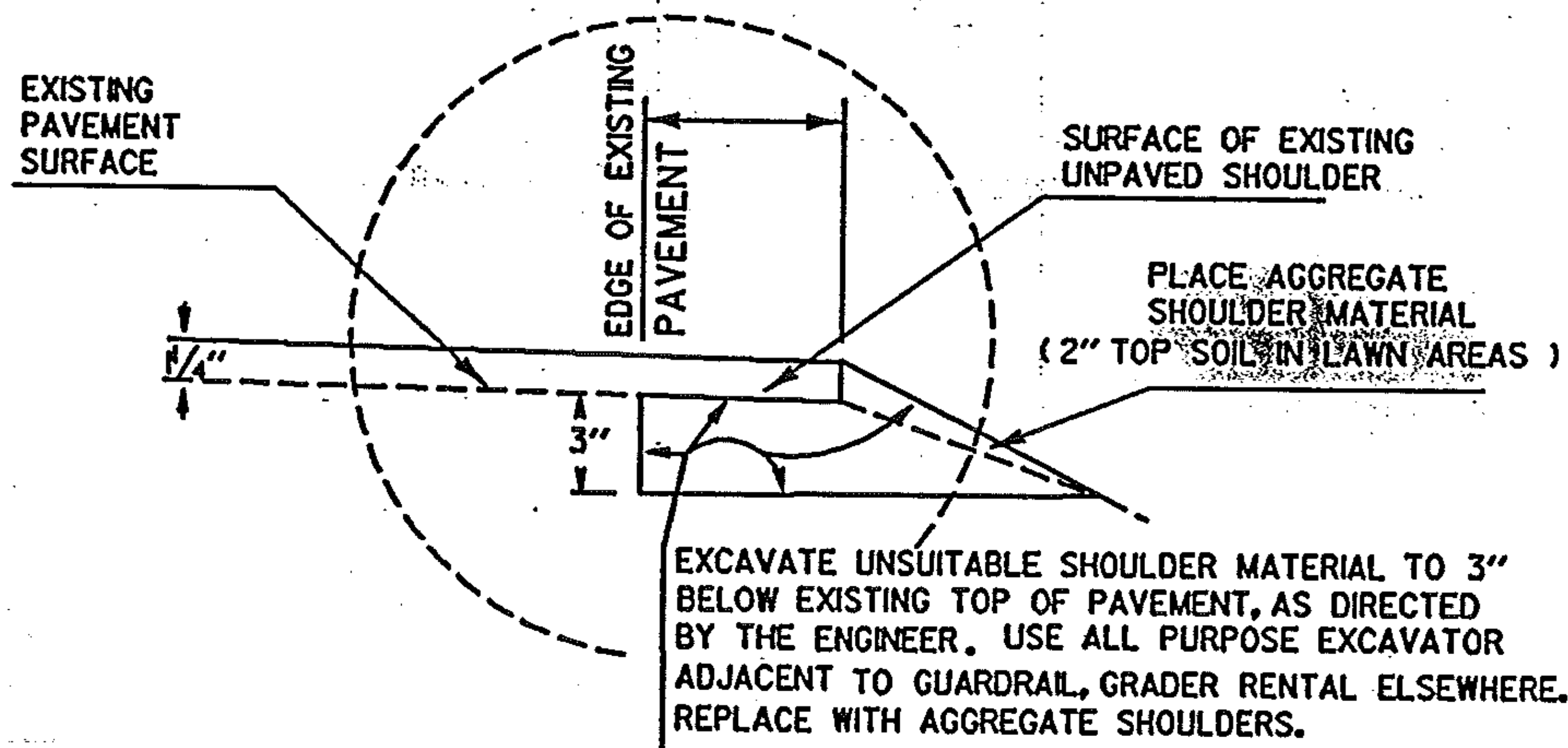
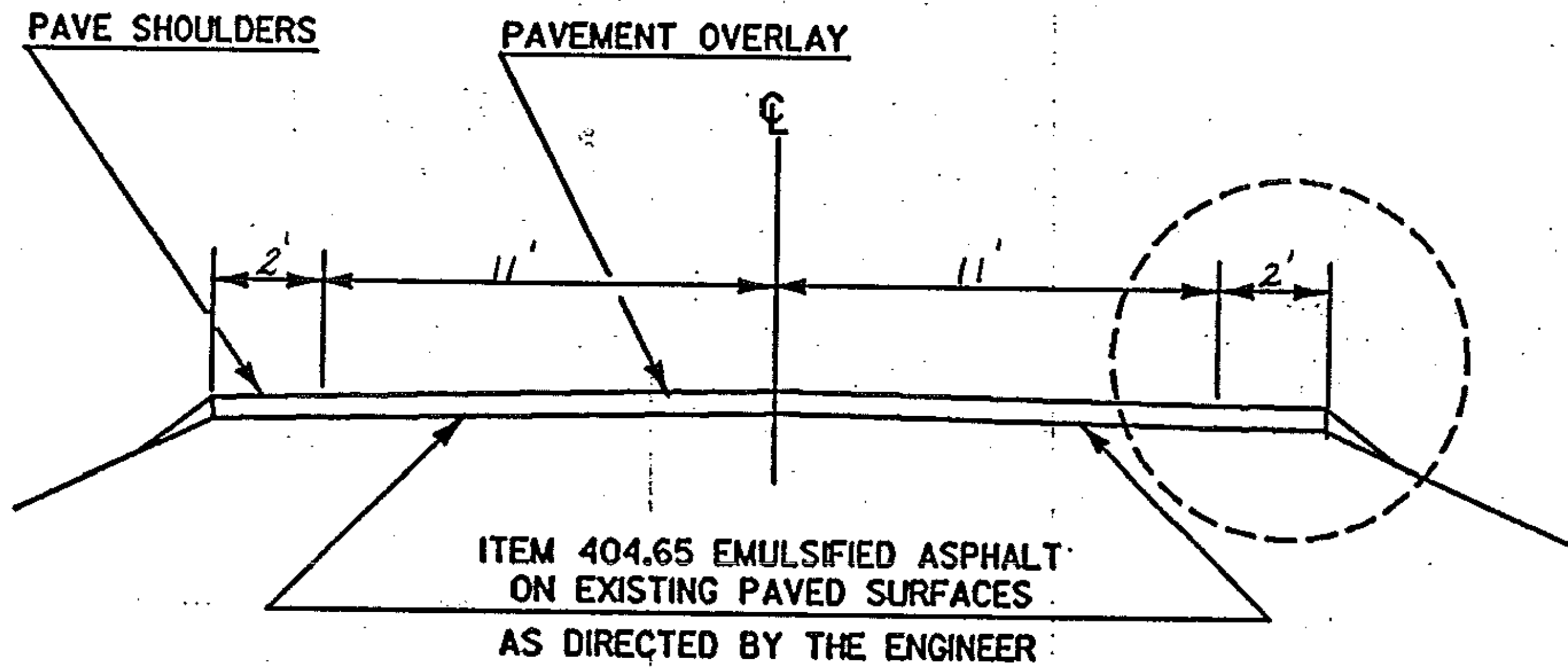
PROJECT FAIRFAX-GEORGIA-FAIRFIELD

NO. HMA 2836

SHEET 21 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (250 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 104 GEORGIA MM 0.000 ~ MM 0.130
 FAIRFIELD MM 0.000 ~ MM 0.111



TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT	QUANTITY LT	QUANTITY C	QUANTITY RT	TOTALS
	0.04	0.13	S	D	475		119	594
FAIRFAX	13.60	13.66	S	D	317		79	396
	13.66	13.80	D	S	185		739	924
	13.80	14.19	S	S	2059		2059	4118
FAIRFIELD	0.00	0.09	S	S	475		475	950
	0.09	0.11	S	D	111		28	139
							SUBTOTAL	= 64963
							ASSUME 100% LOSS DUE TO LEVELING	= 64963
							9 TH. OPENINGS @ 80' EACH	= - 720
							SUBTOTAL	= 129206
							ROUNDING	= 4
							TOTAL	129210

TEMPORARY 4" WHITE LINE

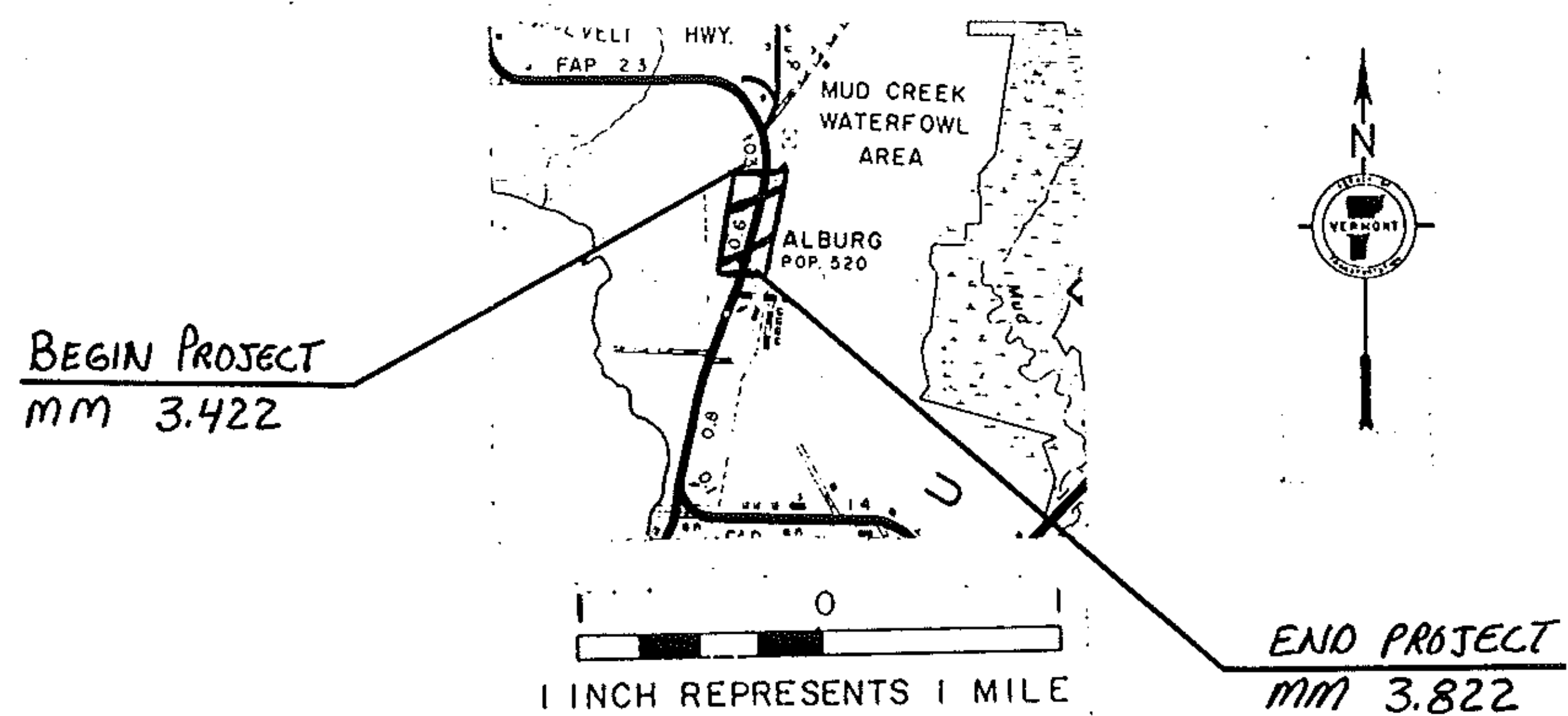
FAIRFAX	6.905	14.191	S	S	38470		38470	76940
GEORGIA	0.000	0.130	S	S	686		686	1372
FAIRFIELD	0.000	0.11	S	S	587		587	1174
							SUBTOTAL	= 79486
							ROUNDING	= 14
							TOTAL	79500

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	OVERLAY DEPTH	GRAVEL SHOULDERS		EMULSIFIED ASPHALT		BITUMINOUS CONCRETE PAVEMENT		POWER BROOM RENTAL		UNIFORMED TRAFFIC OFFICERS		MOBILIZATION		TEMP 4" WHITE LINE		TEMP 4" YELLOW LINE		TOPSOIL						
				GRAVEL SHOULDERS	GRAVEL SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS CONCRETE PAVEMENT	POWER BROOM RENTAL	UNIFORMED TRAFFIC OFFICERS	MOBILIZATION	TEMP 4" WHITE LINE	TEMP 4" YELLOW LINE	TOPSOIL	FT.	IN.	CY	TON	CWT	TON	HR	HR	HR	LS	LF	LF	CY
FAIRFAX																										
MM 6.905	28433	28	1 1/4	1580	2765	87	633	43	299	299	299	299	299	299	299	299	299	299	299	299	299	299	299	299	135	
MM 12.29	2693	36	1 1/4	116	203	8	747	4	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	13	
MM 12.80	7339	28	1 1/4	403	712	22	1583	11	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	35	
MM 14.191																										
GEORGIA MM 0.00 ~ MM 6.13 FAIRFIELD	1272	26	1 1/4	47	82	4	255	2	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	6	
MM 0.00 ~ MM 0.111							60																			
DRIVES & APPROACHES				35	61	—	35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5
ROUNDING				14	27	4	65	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	
TOTALS	39737	NARYS	1 1/4	2200	3850	125	10700	65	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	200	

PROJECT FAIRFAX - GEORGIA - FAIRFIELD NO. HMA 2036 SHEET 25 OF 60 SHEETS

DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF ALBURG AT MM 3.422
ON US2, AND EXTENDING SOUTHERLY 0.400 MILES TO MM 3.822.
RESURFACING AND NEW PAVEMENT MARKINGS.

LENGTH : 0.400 MILES
2112 FEET

1984 ADT : 4230

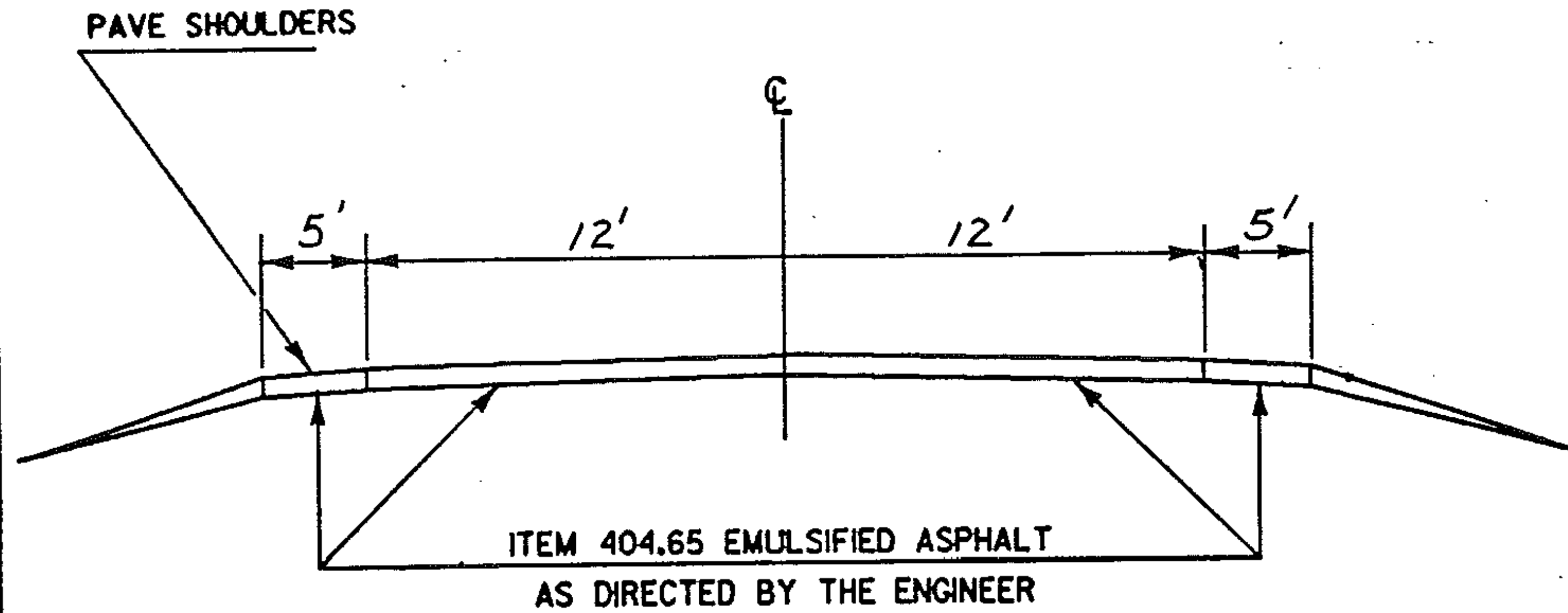
PROJECT ALBURG

NO. HMA 2846

SHEET 26 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (385 TONS/MILE)
1/2" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



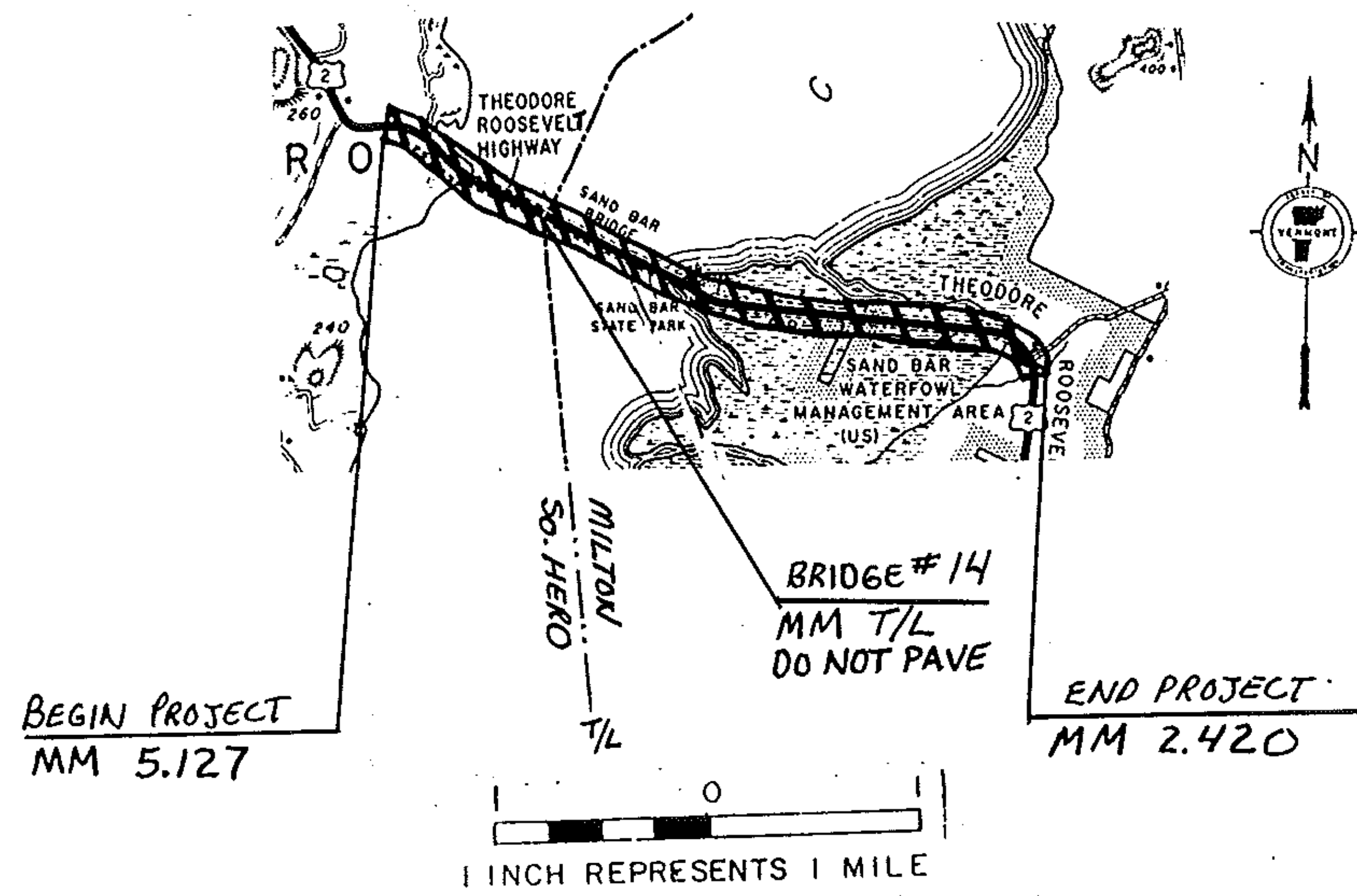
US 2 ALBURG MM 3.422 ~ MM 3.822

PROJECT ALBURG

NO. HMA 2846

SHEET 27 OF 60 SHEETS

DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF SO. HERO AT MM 5.127 ON US2, AND EXTENDING EAST 3.174 MILES TO MM 2.42 IN THE TOWN OF MILTON. RESURFACING AND NEW PAVEMENT MARKINGS.

LENGTH : 3.174 MILES
16759 FEET

1984 ADT: 5290

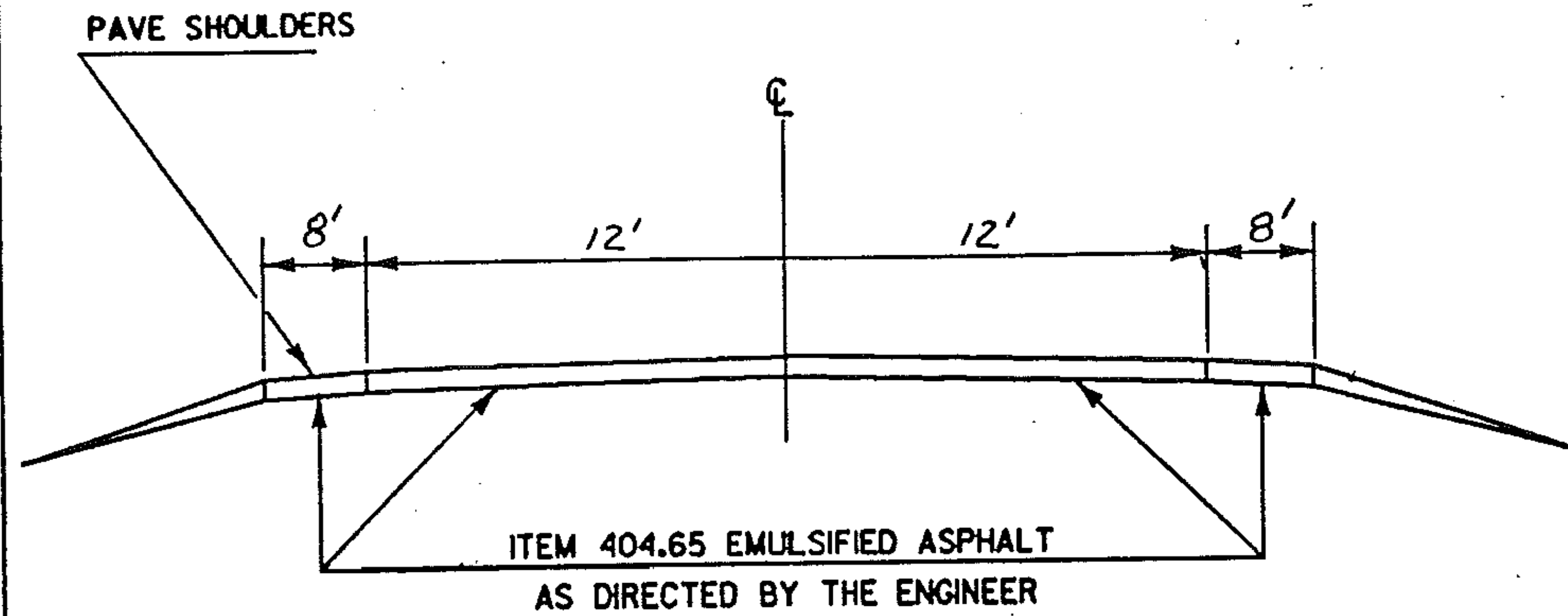
PROJECT So. Hero - Milton

NO. HMA 2850

SHEET 31 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (455 TONS/MILE)
1/2" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



US 2 So. HERO MM 5.127 ~ MILTON MM 2.420

PROJECT So. HERO - MILTON

NO. HMA 2850

SHEET 32 OF 60 SHEETS

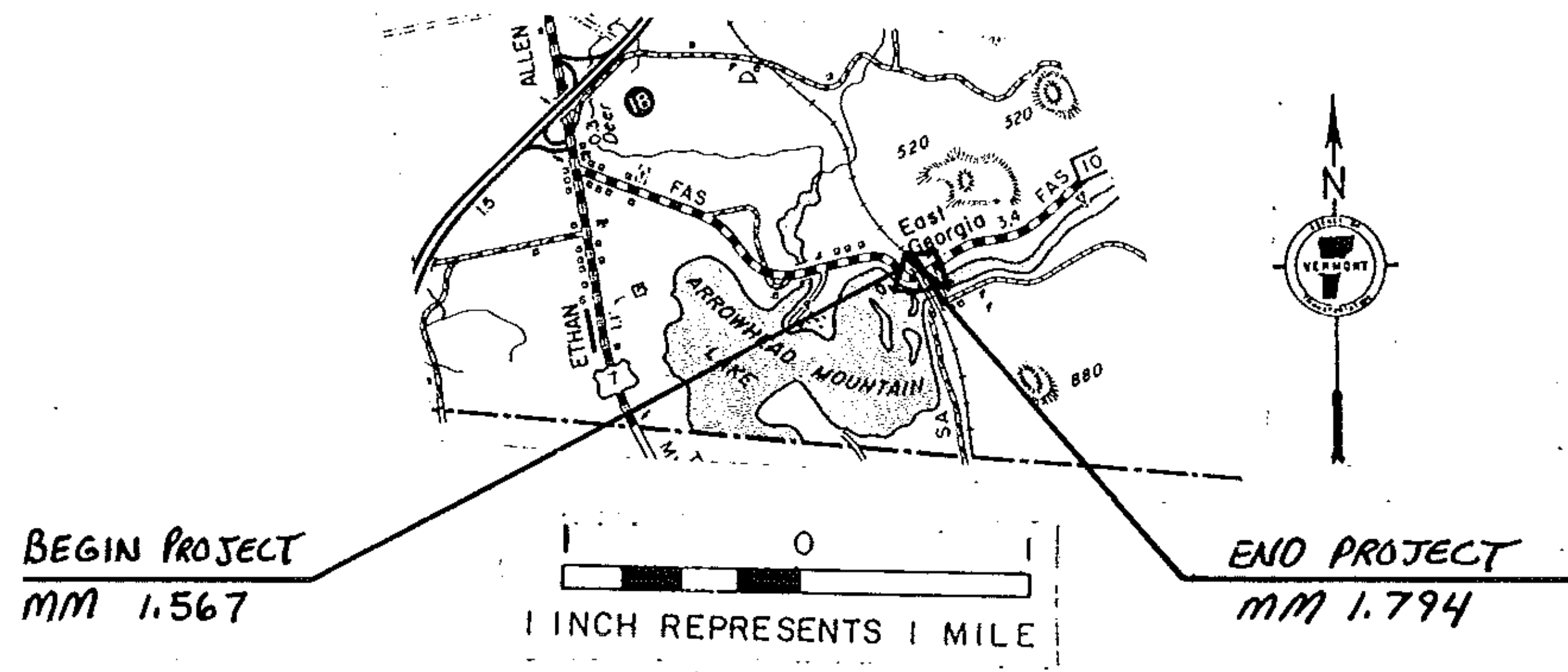
TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT	QUANTITY LT	QUANTITY E	QUANTITY RT	TOTALS
	5.127	5.13	S	S	16		16	32
	5.13	5.21	S	D	422		106	528
	5.21	5.77	D	D		739		739
T/L	0.00	0.66	D	D		871		871
	0.66	0.77	D	S	145		581	726
	0.77	0.88	D	S	145		581	726
	0.88	1.00	S	S	634		634	1268
	1.00	1.12	S	D	634		159	793
	1.12	2.00	D	D		1162		1162
	2.00	2.15	D	S	198		792	990
	2.15	2.42	S	S	1426		1426	2852
							Subtotal =	10687
							1 T.H. @ 80' =	- 80
							10.0% Loss Due to Leveling =	10607
							Subtotal =	21214
							Rounding =	6
							TOTAL	21220

TEMPORARY 4" WHITE LINE

	5.127	5.77	S	S	3395		3395	6790
	0.00	2.42	S	S	12778		12778	25556
							Subtotal =	32346
							Rounding =	4
							TOTAL	32350

DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF GEORGIA ON VT. Rt. 104A AT MM 1.567 AND EXTENDING EAST FOR 0.227 MILES TO MM 1.794. RESURFACING AND NEW PAVEMENT MARKINGS.

LENGTH: 0.227 MILES
1199 FEET

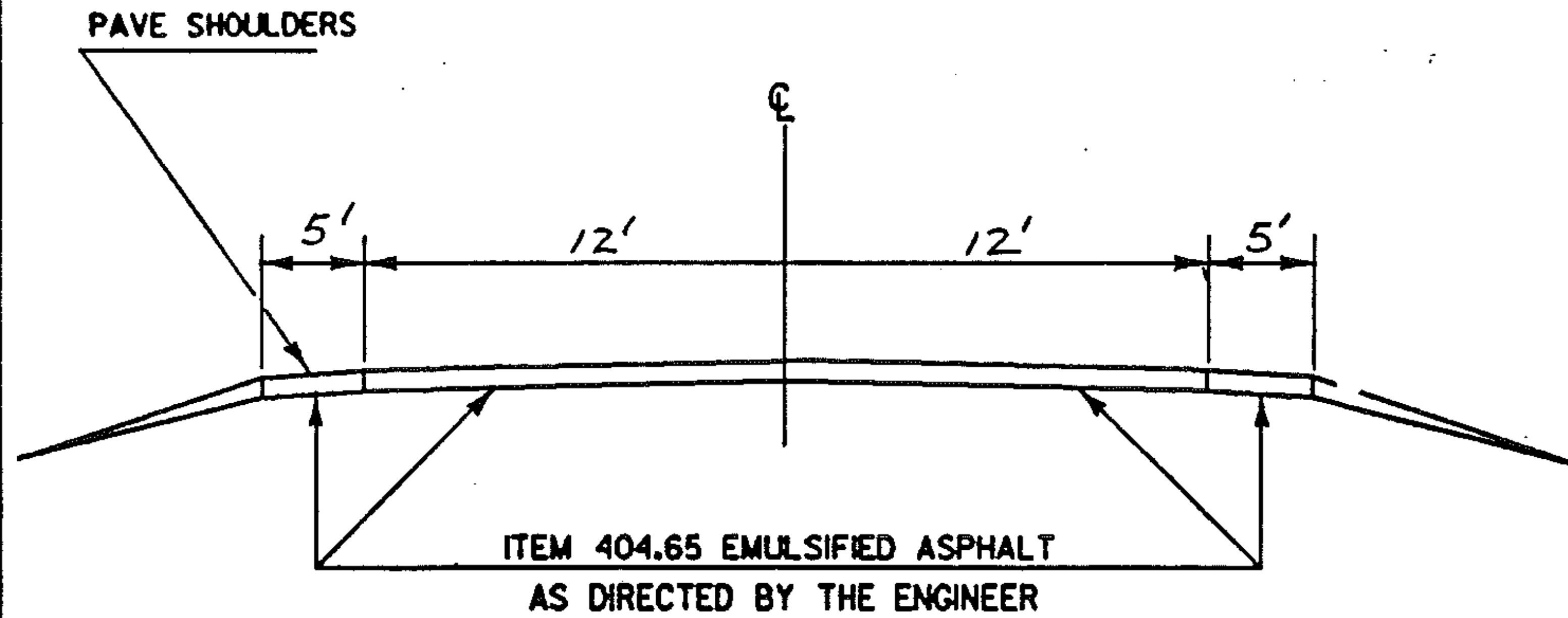
1984 ADT: 1530

PROJECT GEORGIA

NO. HMA 2854
SHEET 35 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (385 TONS/MILE)
1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



VT 104-A GEORGIA MM 1.567 ~ MM 1.794

PROJECT GEORGIA

NO. HMA 2854

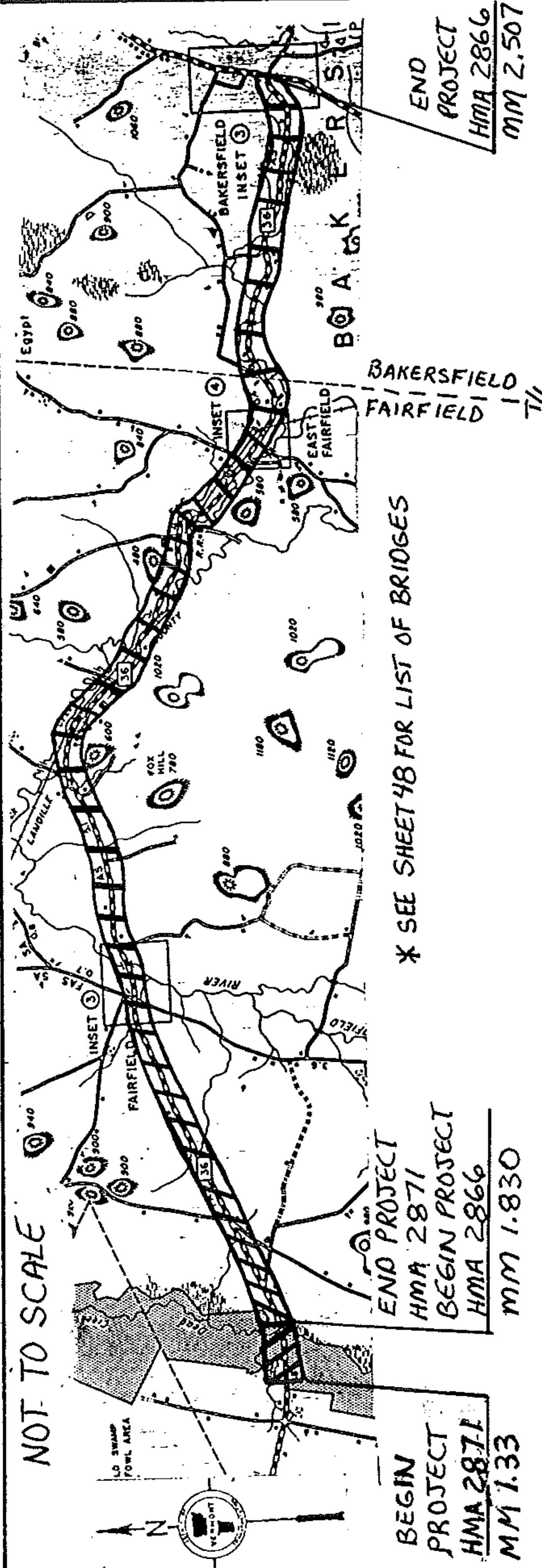
SHEET 36 OF 66 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	OVERLAY DEPTH	OPTION											
				GRAVEL SHOULDERS	EMULSIFIED SHOULDERS	BITUMINOUS ASPHALT	POWER BROOM RENTAL	UNFORMED CONCRETE PAVEMENT	FLAGGERS	MOBILIZATION	TEMP 4" WHITE LINE	TEMP 4" YELLOW LINE	TOPSOIL		
ITEM NO.	FT.	FT.	IN.	402.10	402.12	404.65	406.25	608.30	630.10	630.15	635.10	646.50	646.51	651.35	
UNT				CY	TON	CWT	TON	HR	HR	HR	HR	LS	LF	LF	CY
GEORGIA HMA 2854	1199	34	1 1/4	15	26	6	314	2	21	21			2398	4476	6
							87								
DRIVES & APPROACHES				5	9		10								
ROUNDING							4	3	9	9			2	24	4
TOTALS	1199	34	1 1/4	20	35	10	415	5	30	30	0012400	4500	4500	10	

PROJECT GEORGIA NO. HMA 2854 SHEET 38 OF 60 SHEETS

DESCRIPTION AND LOCATION



* SEE SHEET 48 FOR LIST OF BRIDGES

BEGINNING IN THE TOWN OF FAIRFIELD AT MM 1.33 ON Vt. Route 36 (HMA 2871) AND EXTENDING EAST 0.50 MILES TO MM 1.830. BEGINNING IN THE TOWN OF FAIRFIELD AT MM 1.830 (HMA 2866) AND EXTENDING EAST 70.667 MILES TO MM 2.507 IN THE TOWN OF BAKERSFIELD, ON Vt. Route 36. RESURFACING AND NEW PAVEMENT MARKINGS.

HMA 2871 1984 ADT: 1480
LENGTH : 0.50 MILES
2640 FEET

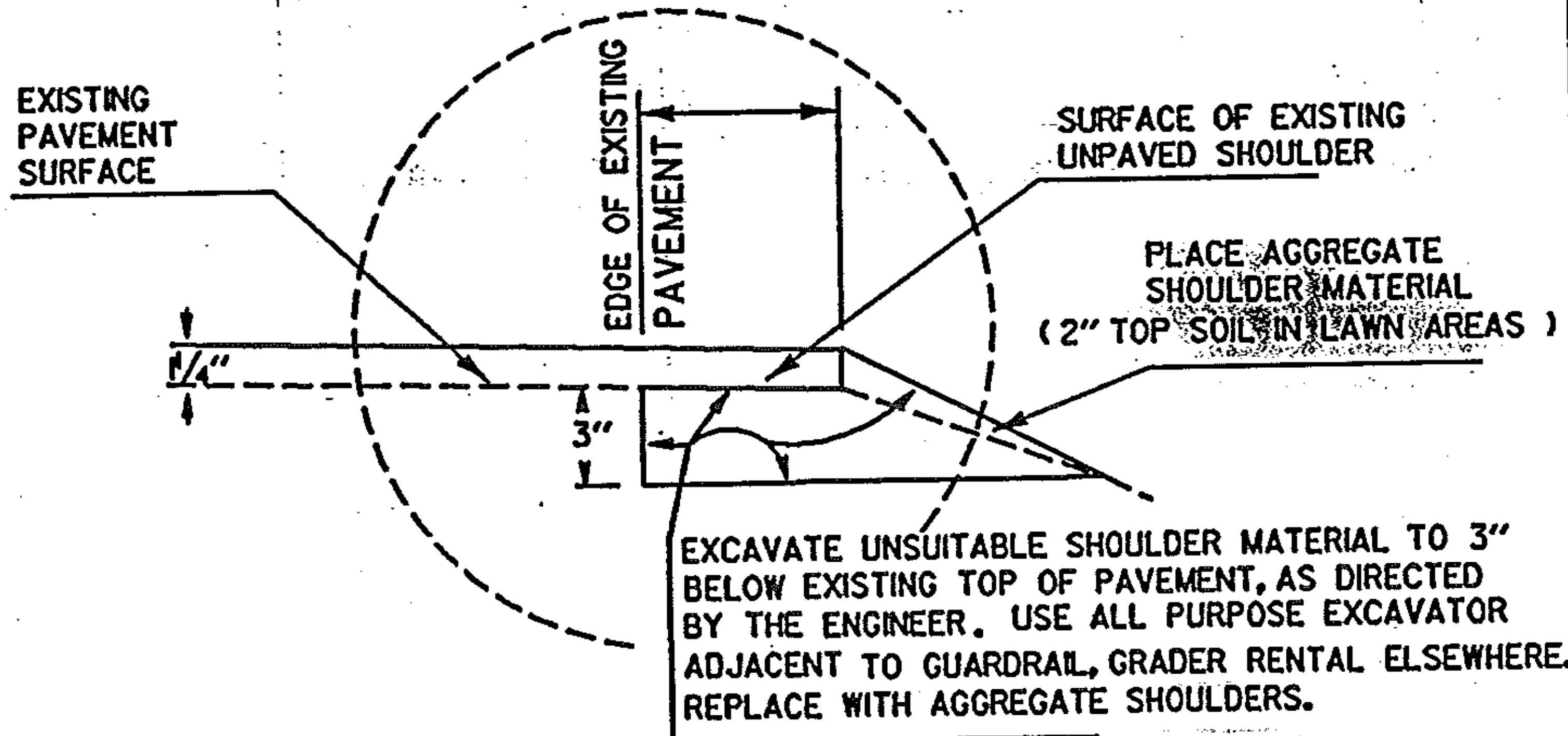
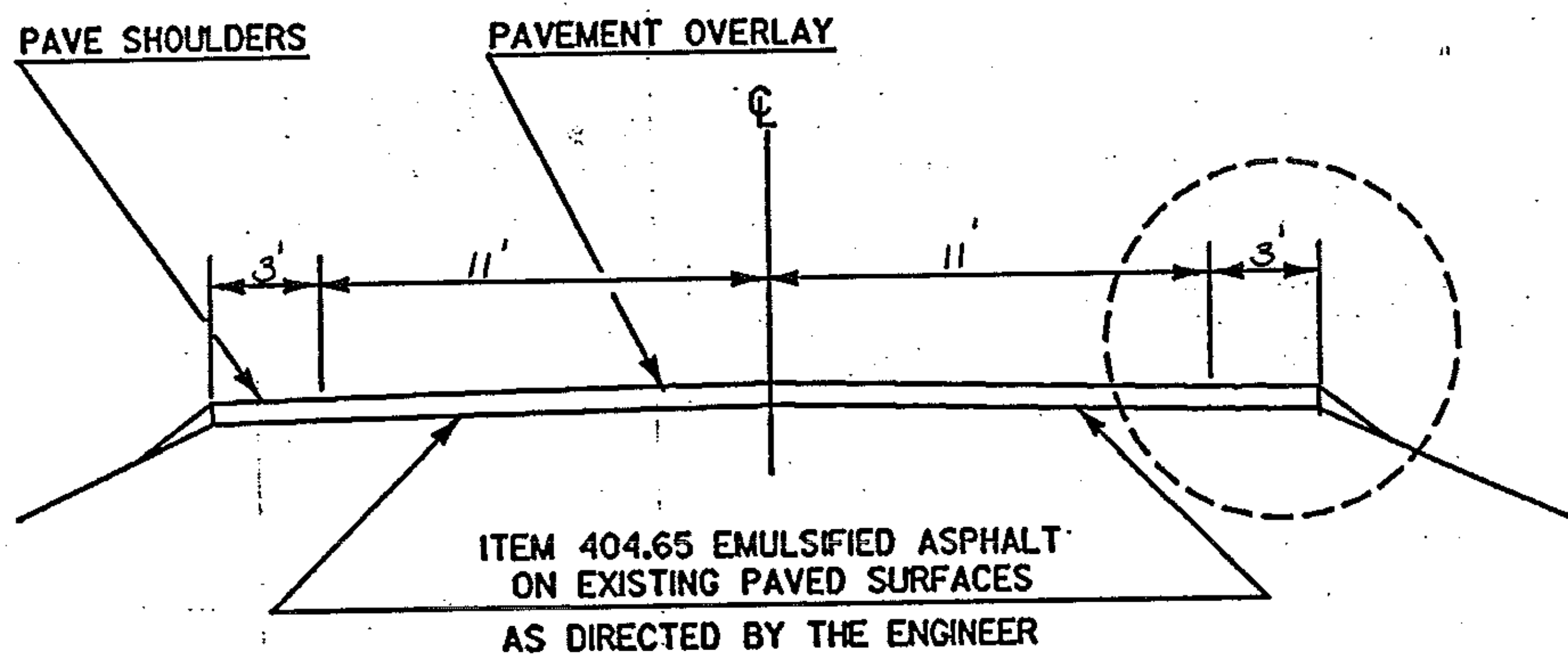
HMA 2866 1984 ADT: 1280
LENGTH : 10.687 MILES
56,428 FEET

PROJECT FAIRFIELD - BAKERSFIELD

NO. HMA 2866, 2871
SHEET 39 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

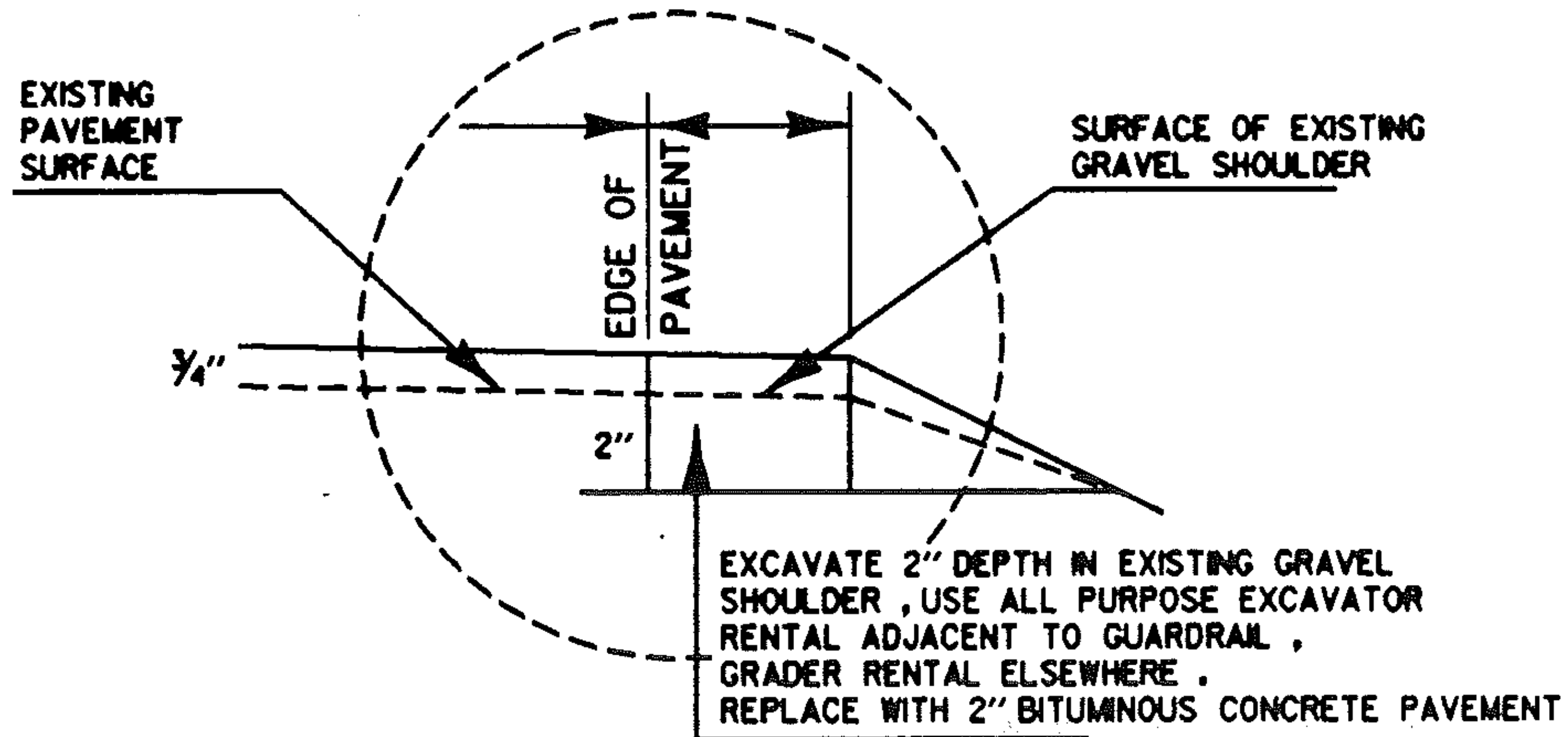
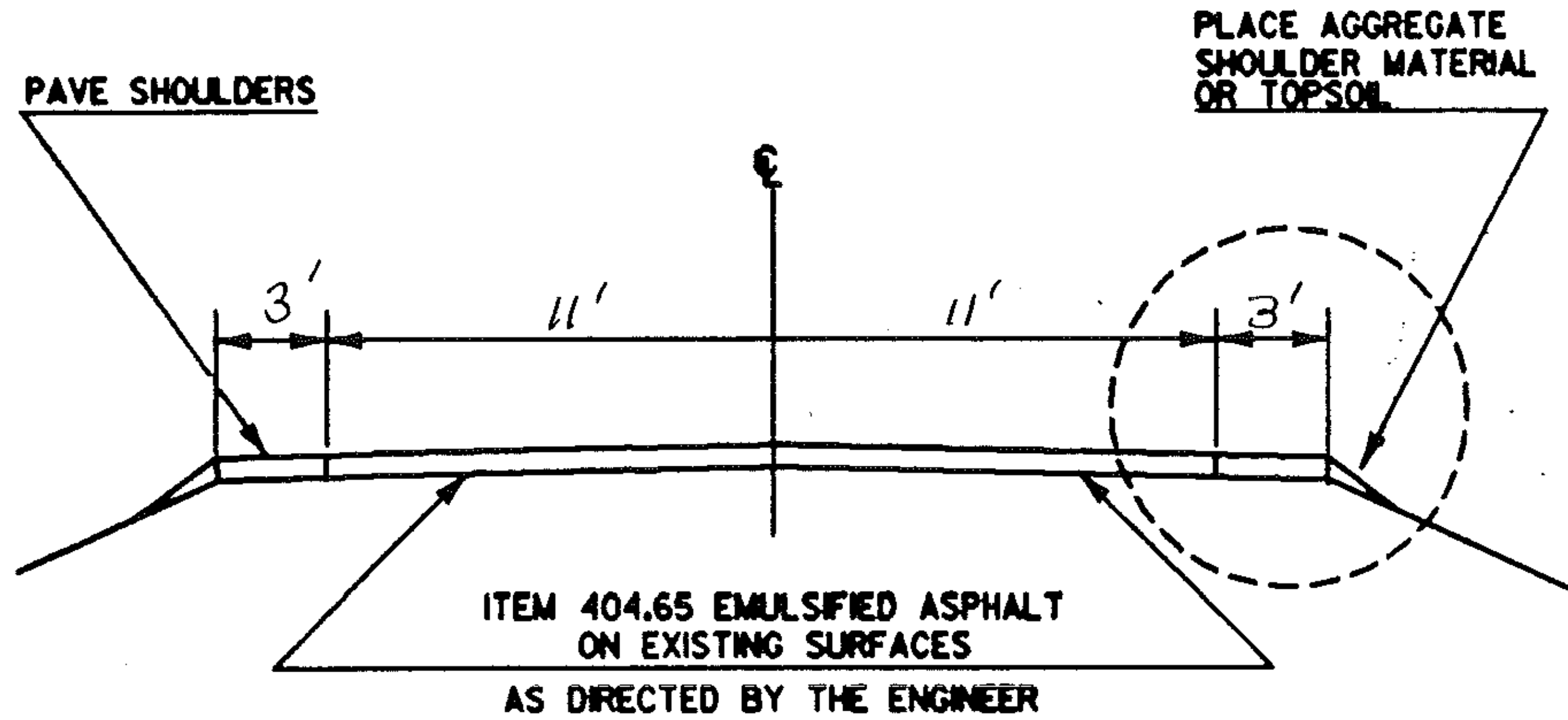
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (315 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 36 FAIRFIELD MM 1.33 ~ MM 1.830



TYPICAL SECTIONS & DESIGN DATA

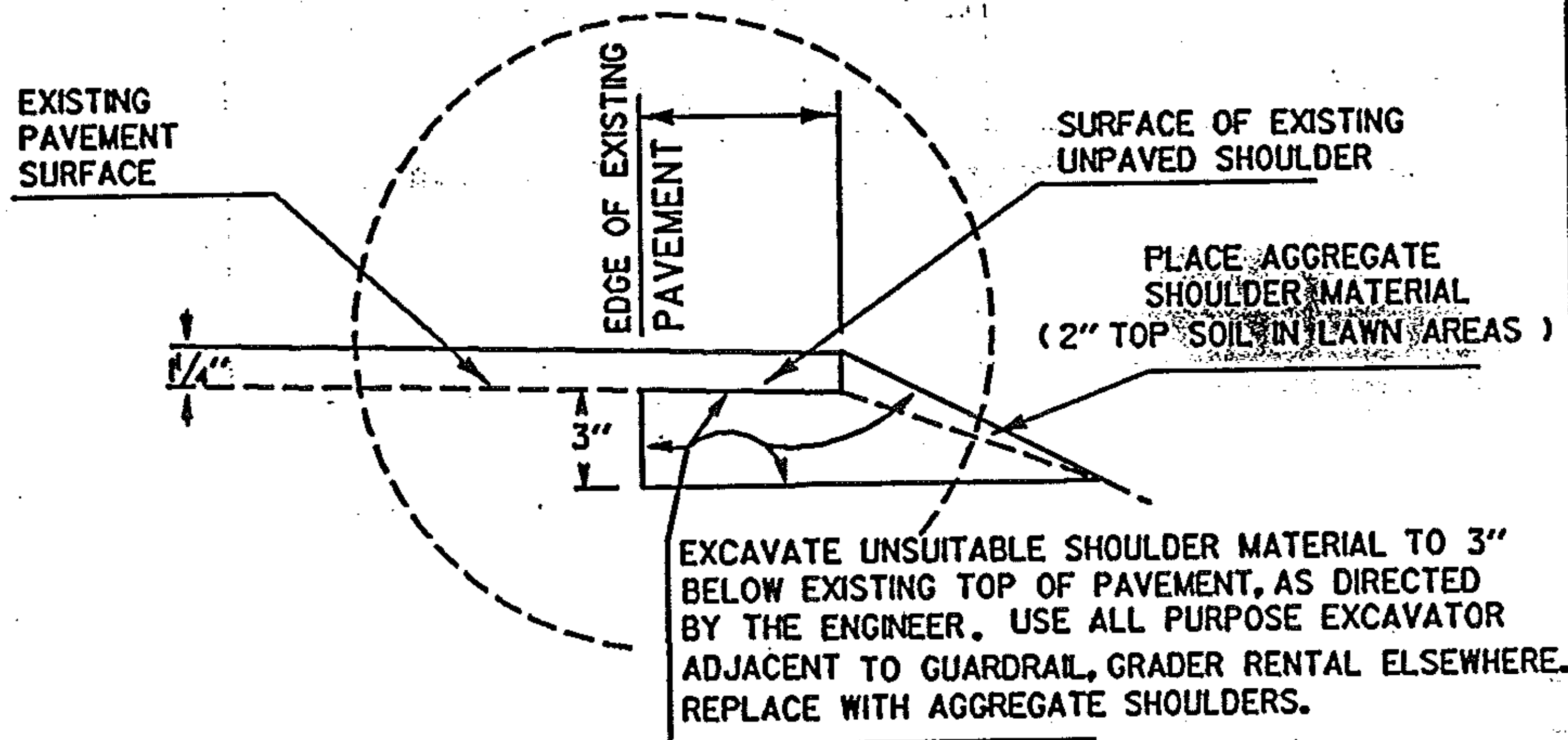
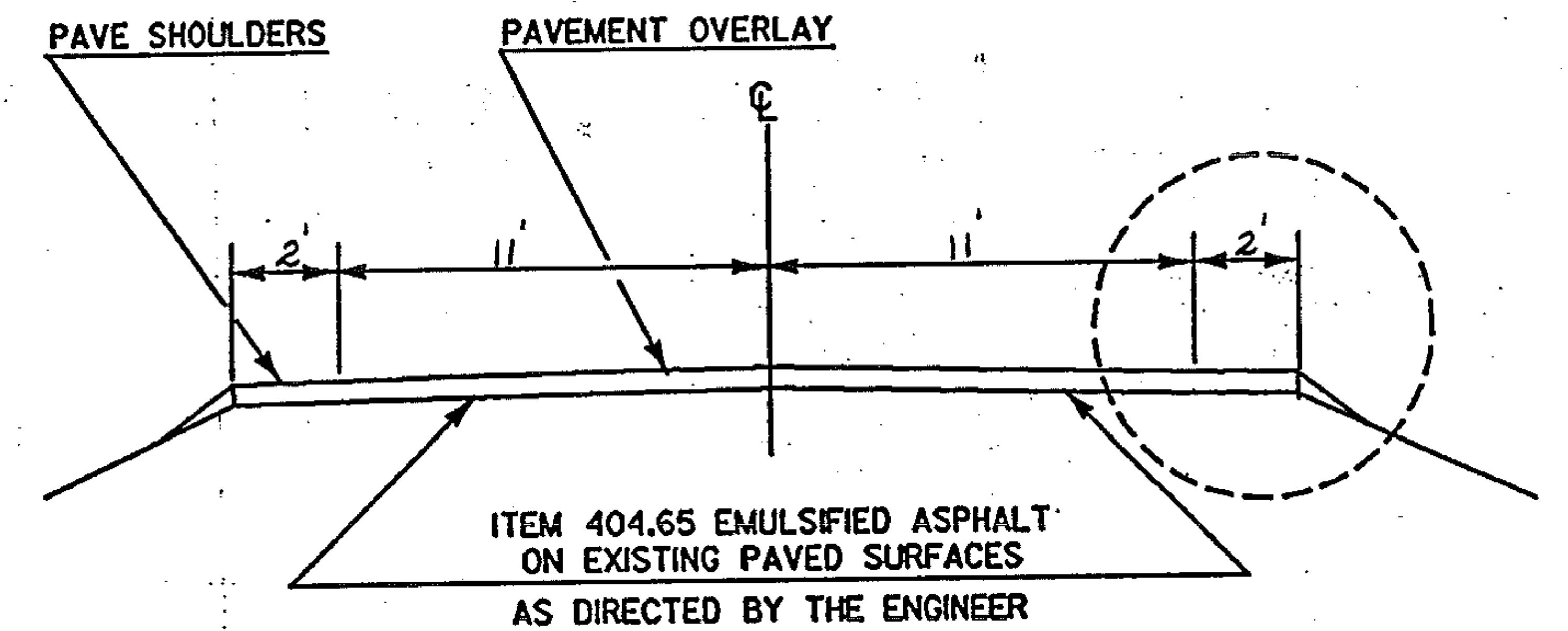
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (320 TONS/MILE)
 1/4" WEARING COURSE TYPE III (±1/4")
 AS DIRECTED BY THE ENGINEER

VT. 36 FAIRFIELD MM 1.830 ~ MM 7.958



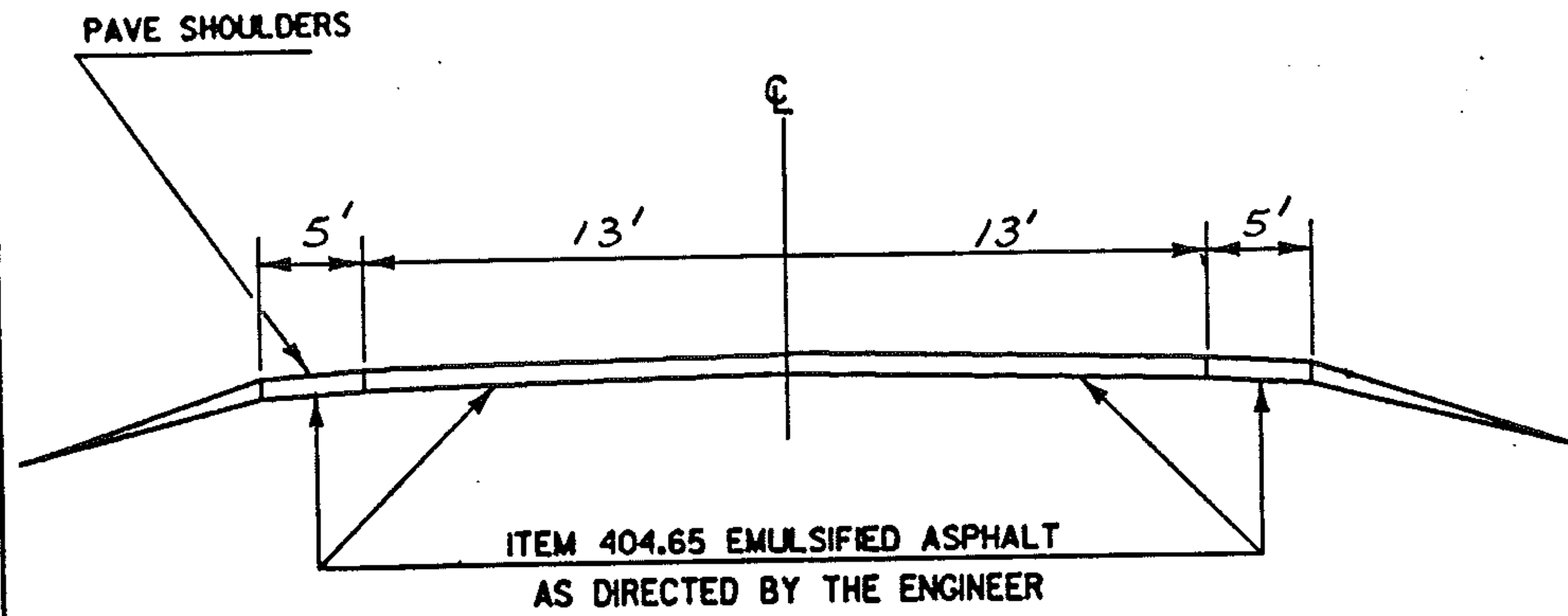
TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (295 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT 36 FAIRFIELD MM 7.958 ~ MM 9.444



TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (410 TONS/MILE)
1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



VT. 36 FAIRFIELD MM 9.444 ~ MM 9.572

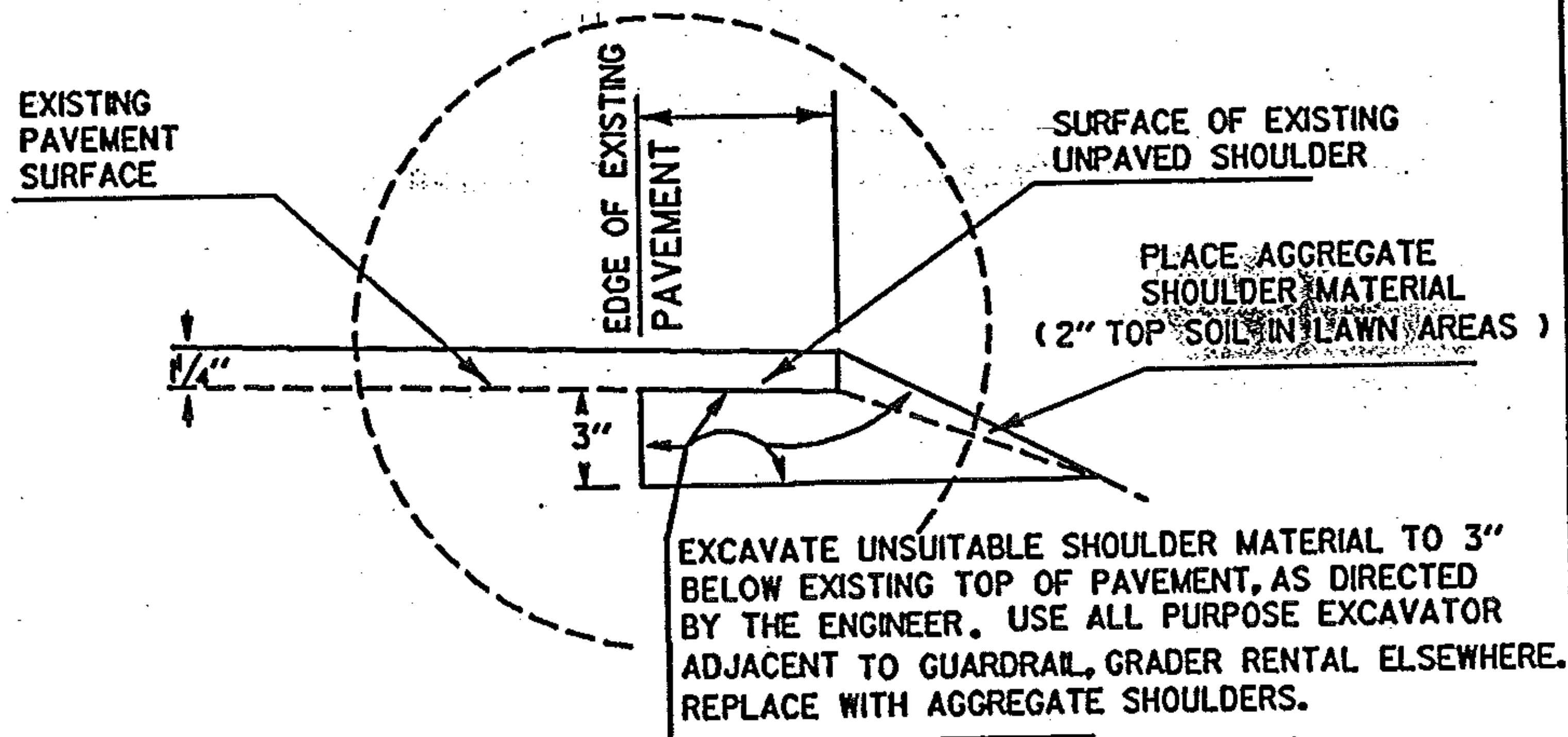
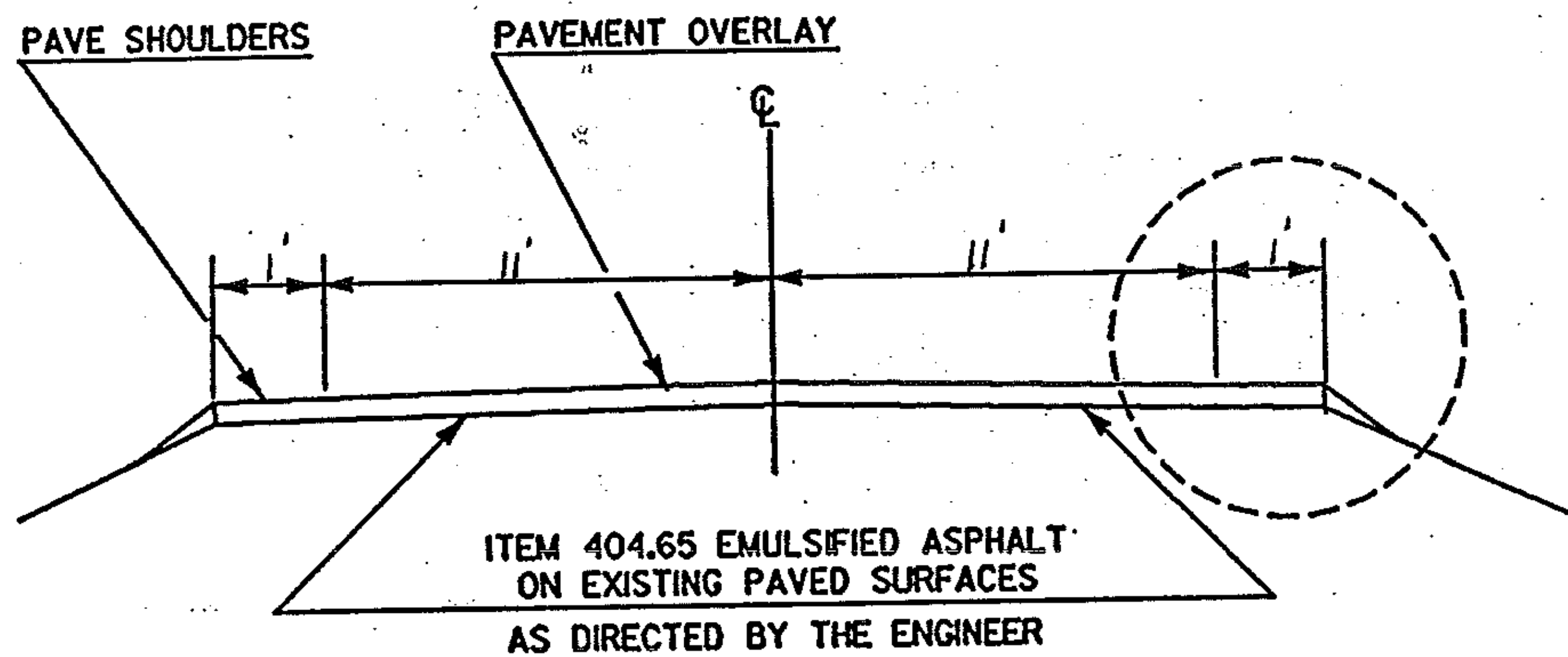
PROJECT FAIRFIELD - BAKERSFIELD

NO. HMA 2866

SHEET 43 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 36 FAIRFIELD MM 9.572 ~ BAKERSFIELD MM 2.507



TEMPORARY 4" YELLOW LINE

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY C	QUANTITY RT	TOTALS
1.33	1.53	DASH	DASH		264		264
1.53	1.73	DASH	SOLID	291		1162	1453
1.73	1.83	SOLID	DASH	422		106	528
							2245
					100% LOSS DUE TO LEVELING		2245
							4490
						ROUNDING	10
						TOTAL	4500

TEMPORARY 4" WHITE LINE

1.33	1.83	SOLID	SOLID	2640		2640	5280
						ROUNDING	20
						TOTAL	5300

TEMPORARY 4" YELLOW LINE

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY C	QUANTITY RT	TOTALS
1.83	1.86	S	D	158		40	198
1.86	1.96	D	S	158		634	792
1.96	2.02	S	S	211		211	422
2.02	2.13	S	D	581		145	726
2.13	2.45	D	D		422		422
2.45	2.55	D	S	159		634	793
2.55	3.30	S	S	3854		3854	7708
3.30	3.43	S	D	686		171	857
3.43	3.57	D	S	211		845	1056
3.57	5.01	S	S	7498		7498	14996
5.01	5.15	S	D	739		185	924
5.15	5.31	D	S	211		845	1056
5.31	6.78	S	S	7762		7762	15524
6.78	6.92	S	S	185		739	924
6.92	7.29	S	S	1954		1954	3908
7.29	7.32	S	S	39		158	197
7.32	7.46	S	D		185		185
7.46	7.56	S	S	132		528	660
7.56	7.99	S	S	2270		2270	4540
7.99	8.11	S	S	634		158	792
8.11	8.20	S	S	119		475	594
8.20	8.53	S	S	1742		1742	3484
8.53	8.65	D	S	158		634	792
8.65	10.01	S	S	7180		7180	14360
0.00	0.47	S	S	2482		2482	4964
0.47	0.59	S	D	634		158	792

TEMPORARY 4" WHITE LINE

Durable Letters	SCHOOL AT MM 4.25, MM 4.58, MM 9.41, MM 9.59	24 Letters
	STOP AHEAD MM 2.38	9 Letters
R.R. Symbol @	MM 7.49, 7.69, 8.68, 8.84, 9.52, 9.70	6 Each
STOP BAR @	MM 2.507	15 L.F.

TEMPORARY 4" YELLOW LINE

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY C	QUANTITY RT	TOTALS
0.59	0.64	D	S		66		66
0.64	0.77	D	S	172		686	858
0.77	1.36	S	S	3115		3115	6230
1.36	1.50	S	D	739		185	924
1.50	1.61	D	S	119		475	594
1.61	1.66	D	D		66		66
1.66	1.74	S	D	422		106	528
1.74	1.76	S	S	106		106	212
1.76	1.86	D	S	132		528	660
1.86	1.89	D	D		40		40
1.89	2.01	S	D	634		158	792
2.01	2.10	D	D		119		119
2.10	2.25	D	S	198		792	990
2.25	2.507	S	S	1357		1357	2714
							96459
				29 T.H.s x 80' =	2320		-2320
							94139
				100% Less Due To Leveling			94139
							188278
						Rod	22
						Total	188300

TEMPORARY 4" WHITE LINE

1.83	10.01	S	S	43190		43190	86380
0.00	2.507	S	S	13237		13237	26474
						Sub Total	112854
						Rod	46
						Total	112,900

PROJECT Fairfield-Bakersfield

NO. HMA 2866
SHEET 47 OF 60 SHEETS

BRIDGES

TOWN	M/M	BRIDGE NUMBER	DO NOT PAVE
FAIRFIELD	1.689	3	
FAIRFIELD	4.758	6	✓
FAIRFIELD	7.843	9	✓
FAIRFIELD	9.136	10	
BAKERSFIELD	0.154	11	
BAKERSFIELD	0.459	12	
BAKERSFIELD	0.652	13	
BAKERSFIELD	1.168	14	

PROJECT FAIRFIELD - BAKERSFIELD

NO. HMA 2866
SHEET 48 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	OVERLAY DEPTH	GRAVEL SHOULDERS	EMULSIFIED SHOULDERS	BITUMINOUS ASPHALT	OPTION	GRAVEL SHOULDERS	CWT	TON	HR	HR	HR	HR	HR	LS	LF	LF	CY	ITEM NO.
DRIVES & APPROACHES PROJECT	50	87			75															
ROUNDINGS	1	9	2	51	4	6	6													
TOTALS	56428	VARYS	1 1/4	1525	2675	210	15000	90	750	750	0.34	112900	188300	275						

PROJECT FAIRFIELD - BAKERSFIELD NO. HMA 2866 SHEET 51 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	ALL PURPOSE EXCAVATOR RENTAL, TYPE I TRUCK RENTAL POWER GRADER RENTAL												
ITEM NO.	608.25	608.37	608.15										
UNIT	HR	HR.	HR.										
HMA 2871	5	5	10										
HMA 2866	50	30	50										
TOTAL	55	35	60										

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM NO.	UNIT	EA.	EA	LF	DURABLE LETTER IN WORD MARKING	DURABLE RFR CROSSING SYMBOL	DURABLE 24" STOP BAR
FAIRFIELD							
MM 4.25	6						
MM 4.58	6						"SCHOOL"
MM 9.41	6						"SCHOOL"
MM 9.59	6						"SCHOOL"
MM 7.49	1						
MM 7.69	1						
MM 8.68	1						
MM 8.84	1						
MM 9.52	1						
MM 9.70	1						
BAKERSFIELD							
MM 2.38	9						"STOP AHEAD"
MM 2.507				20			
TOTAL	33	6	20				

PROJECT FAIRFIELD - BAKERSFIELD

NO. _____

HMA 2866

SHEET 53 OF 60 SHEETS