

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

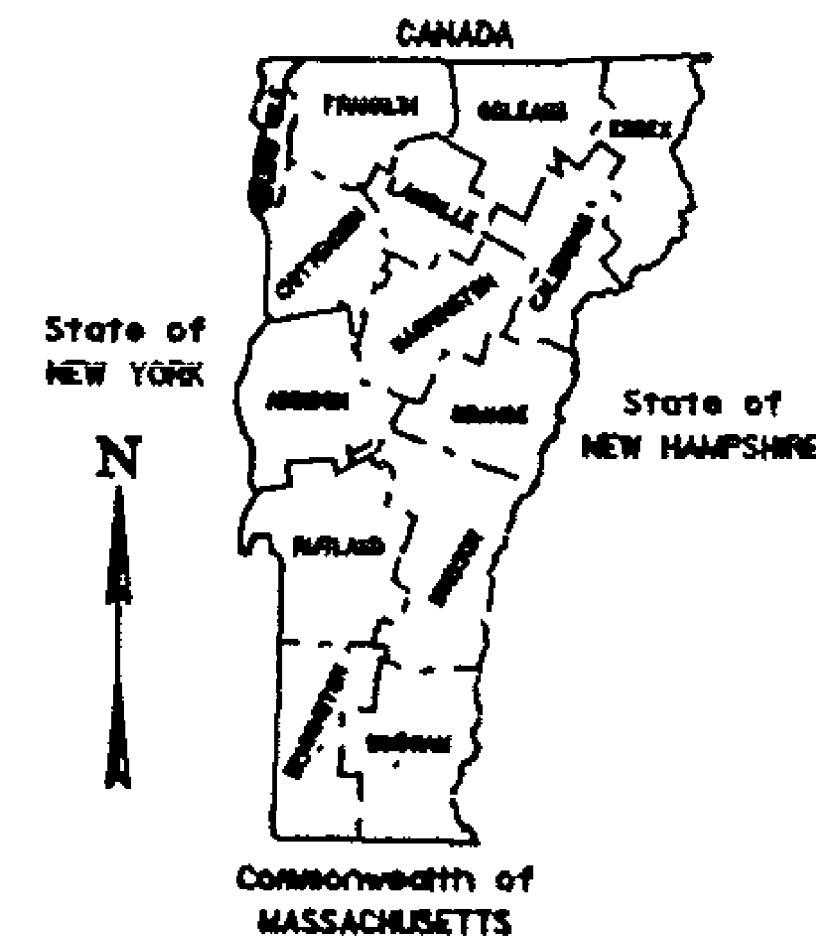
COUNTY OF CHITTENDEN-FRANKLIN

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. Mart
Signature

VICE PRESIDENT
Title

Jose C. Gemp
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 N. 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

INDEX OF SHEETS

31	SO. HERO - MILTON HMA 2850 DESCRIPTION & LOCATION			
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	(2-3-86 R)	
55	STANDARD SHEET	E-6	(2-3-86 R)	
56	STANDARD SHEET	E-7	(2-3-86 R)	
57	STANDARD SHEET	E-7a	(2-3-86 R)	
58	STANDARD SHEET	E-8	(2-3-86 R)	
59	STANDARD SHEET	E-15c	(2-3-86 R)	
60	STANDARD SHEET	E-50	(2-3-86 R)	

PROJECT _____

NO. _____
SHEET 3 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION																	
OPTION																	
OVERLAY DEPTH																	
LENGTH																	
WIDTH																	
GRAVEL SHOULDERS																	
EMULSIFIED ASPHALT																	
BITUMINOUS CONCRETE RENTAL																	
POWER BROOM RENTAL																	
UNIFORMED TRAFFIC OFFICERS																	
FLAGGERS																	
MOBILIZATION																	
TEMP 4" WHITE LINE																	
TEMP 4" YELLOW LINE																	
TOPSOIL																	
ITEM NO.					402.10	402.12	404.65	406.25	608.30	630.10	630.15	635.10	646.50	646.51	651.35		
UNIT	FT.	FT.	IN.	CY	TON	CWT	TON	HR	HR	HR	HR	LS	LF	LF	CY		
HMA 2814	17910	26	1 1/4	230	400	55	4475	30	185	185	185	0.11	35820	46300	85		
HMA 2832	6864	26	1 1/4	275	467	25	1734	12	70	70	70	0.04	13732	16842	35		
HMA 2835	23248	28	1 1/4	1300	2283	70	6366	38	255	255	255	0.14	46468	86508	115		
HMA 2836	39737	VARIES	1 1/4	2200	3850	125	10700	65	425	425	425	0.24	79500	129210	200		
HMA 2846	2112	34	1 1/2	35	55	10	825	5	45	45	45	0.01	4230	8450	10		
HMA 2850	16759	40	1 1/2	220	385	95	7710	30	390	390	390	0.10	32350	21220	80		
HMA 2854	1199	34	1 1/4	20	35	10	415	5	30	30	30	0.01	2400	4500	10		
HMA 2866	56428	VARIES	1 1/4	1525	2675	210	15000	90	750	750	750	0.34	112900	188300	275		
HMA 2871	2640	28	1 1/4	100	175	10	750	5	40	40	40	0.01	5300	4500	15		
TOTAL	166897	VARIES	VARIES	5905	10325	610	47975	280	2190	2190	2190	1	332700	505830	825		

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION							
				DURABLE RPR CASING SYMBOL DURABLE LETTER IN WORD MKG. STOP BAR TRUCK REAR L ROVER GRADE EXCAVATOR REAR L TYPE-1			
ITEM NO.	608.15	608.25	608.37	646.40	646.44	646.98	
UNIT	HR	HR	HR	LF	EA	EA	
HMA 2832	10	10	5				
HMA 2835	30	25	10	12	12		
HMA 2836	50	20	20				
HMA 2846					6		
HMA 2866	50	50	30	20	33	6	
HMA 2871	10	5	5				
TOTALS	150	110	70	32	51	6	

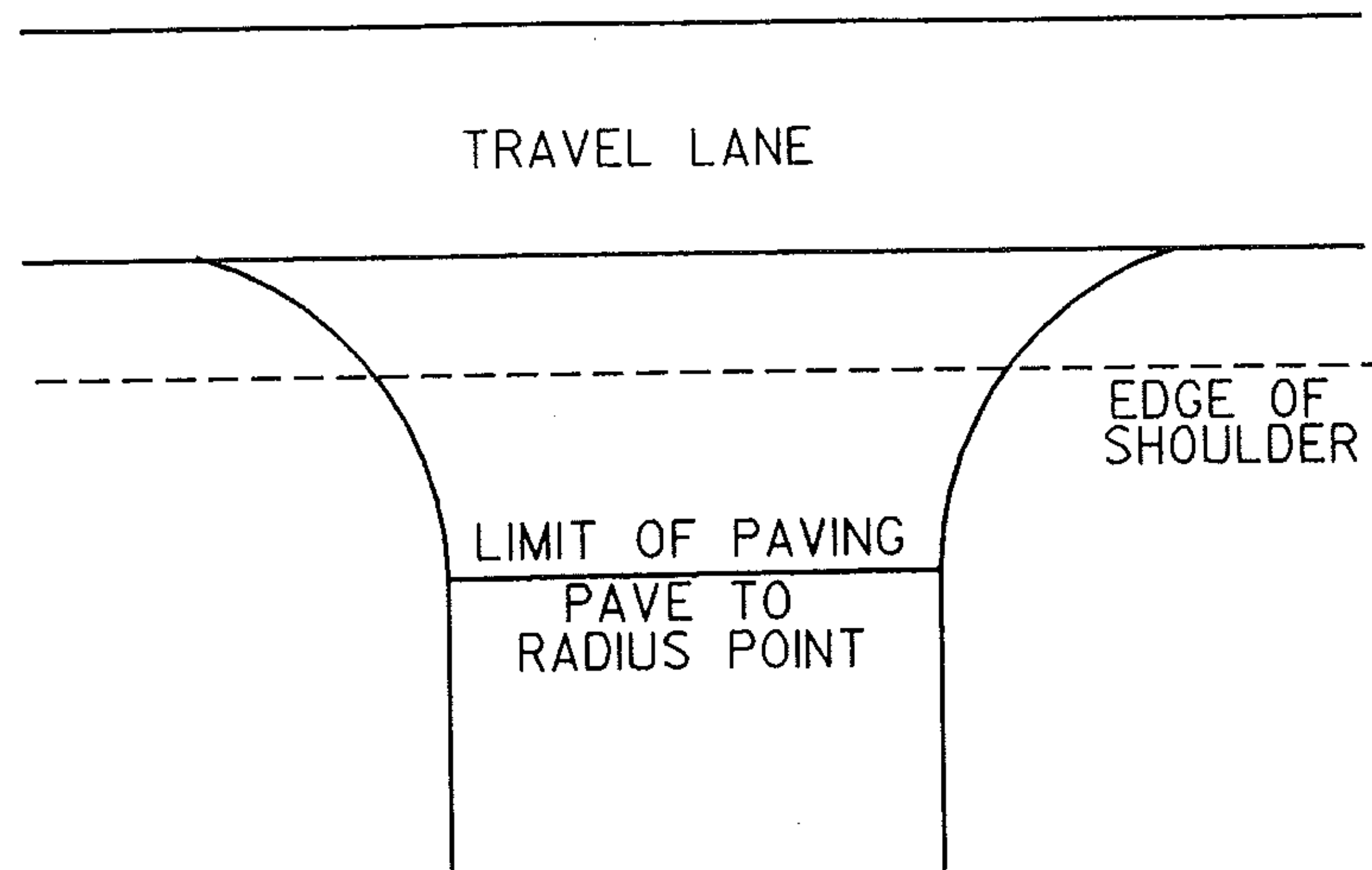
PROJECT

CZ

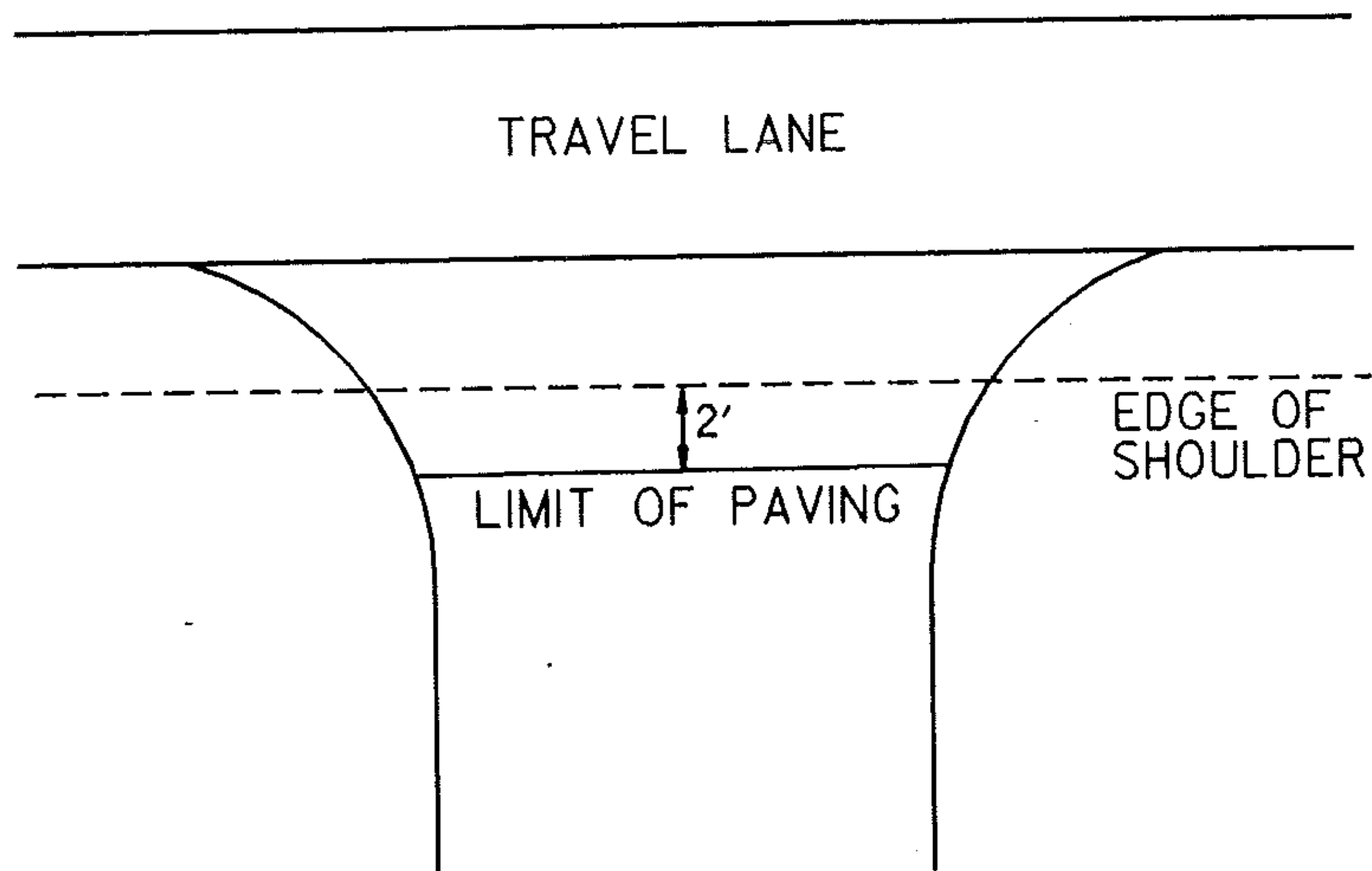
11/11/2019

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:

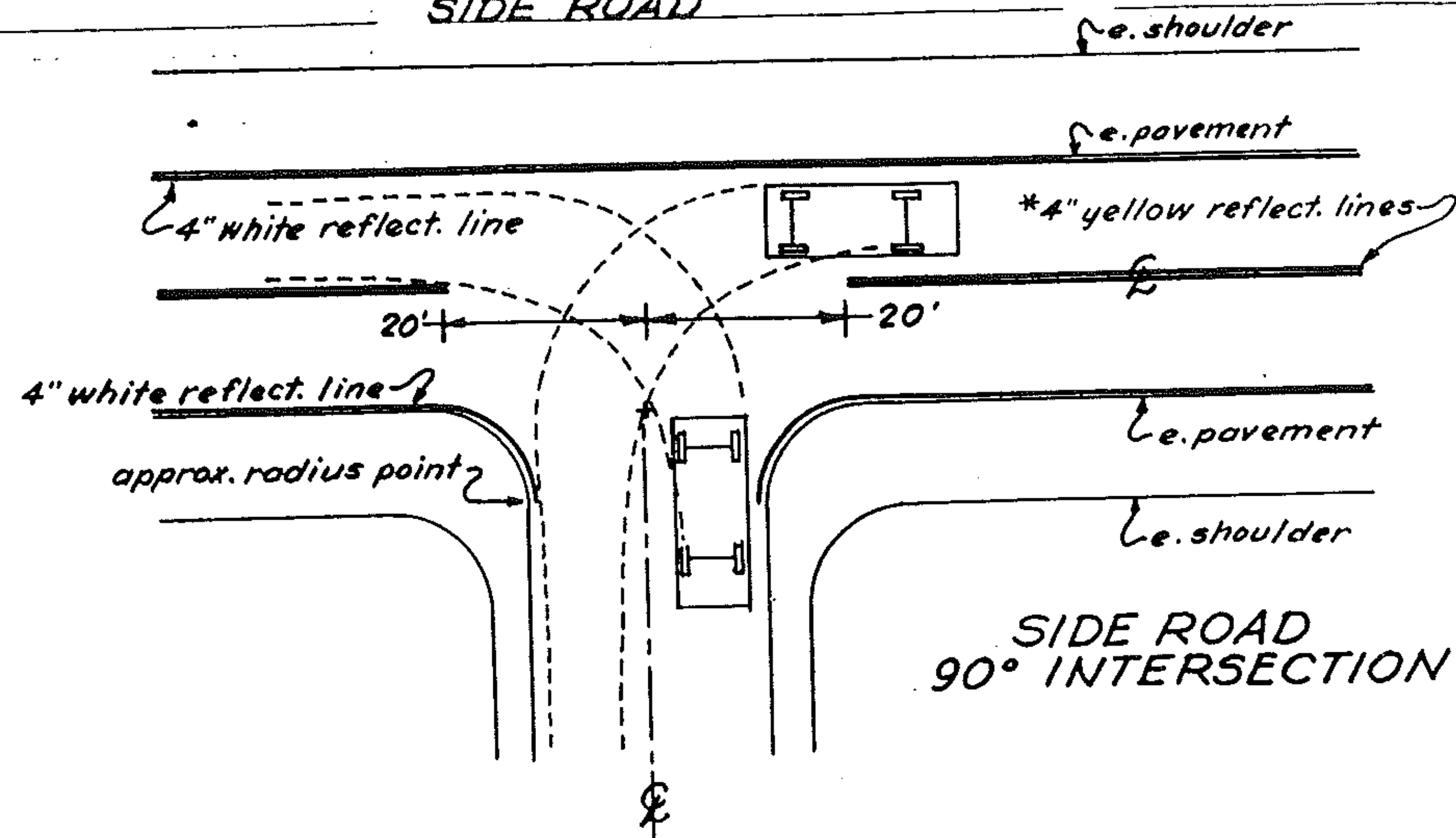
NO PASSING BARRIER
NO RPM'S ALLOWED.

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

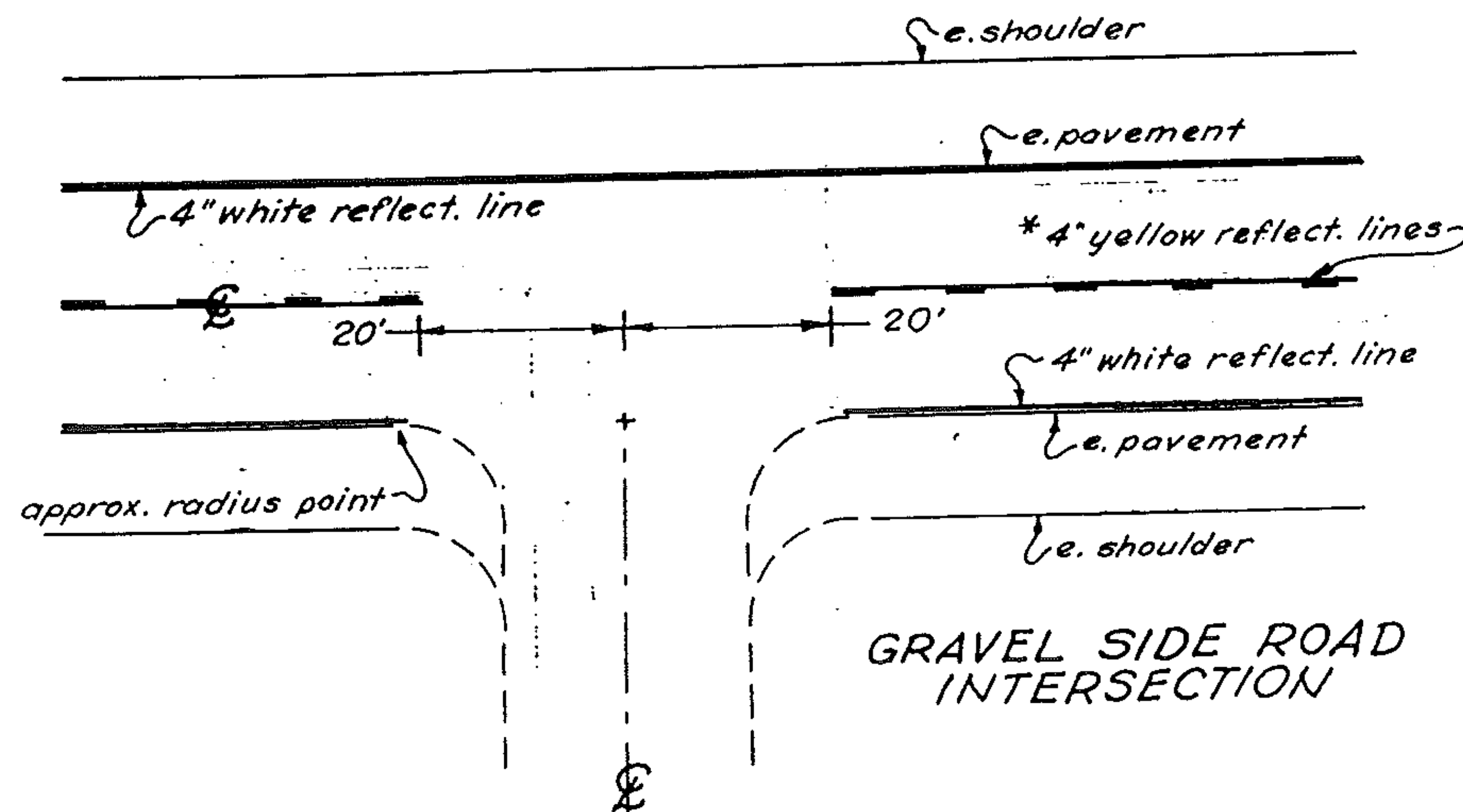
SOLID LINE - EDGE LINES
INTERSTATE MEDIAN SIDE-RETRO-REFLECTIVE RPM'S ON 4 TO 5 FOOT CENTER.
DRIVERS RIGHT SIDE-RPM'S NOT ALLOWED.

- 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.

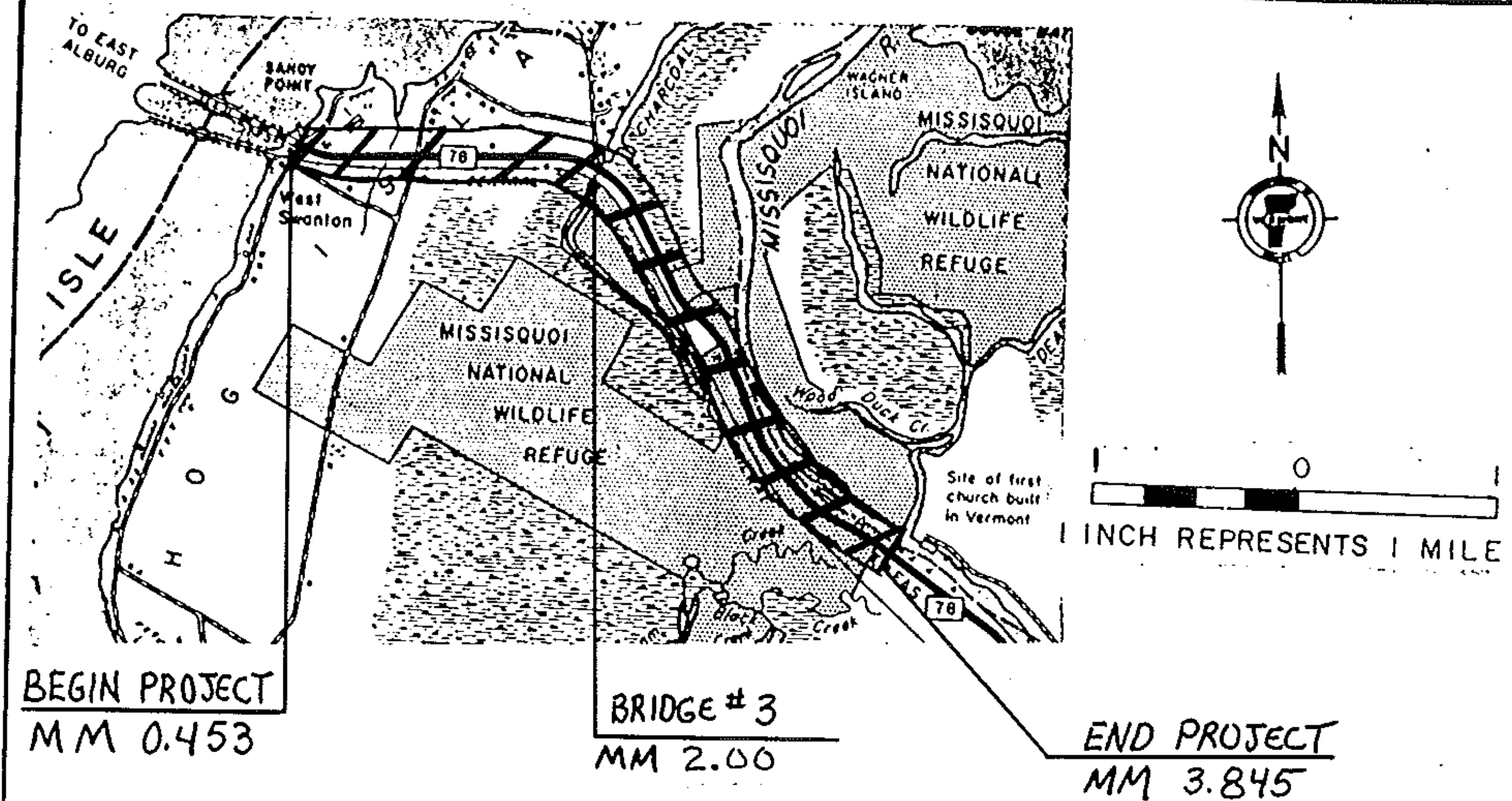
REVISED
02/11/85



* 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

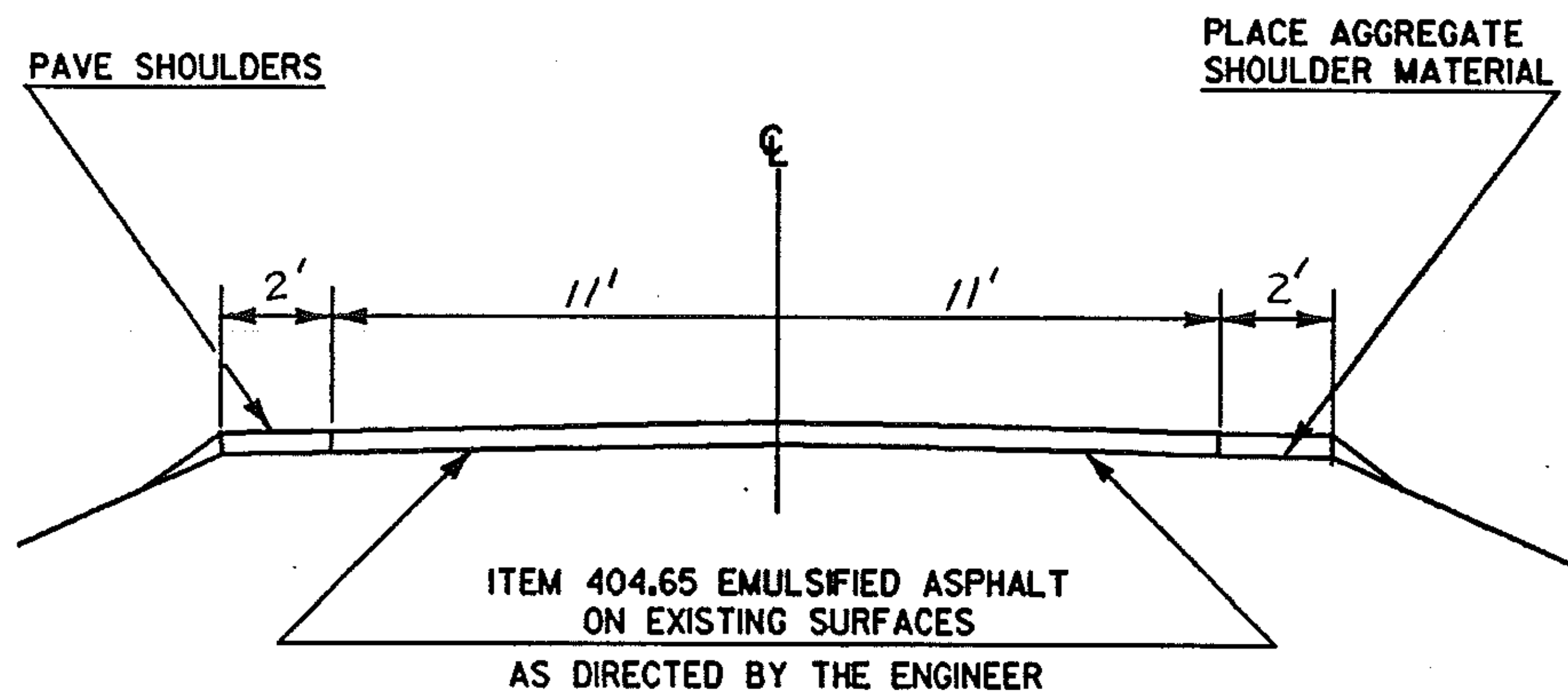
PROJECT SWANTON

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 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

PROJECT LENGTHS AND ITEM QUANTITIES

[illegible]PROJECT SWANTON

NO. HMA 2814

SHEET 12 OF 60 SHEETS

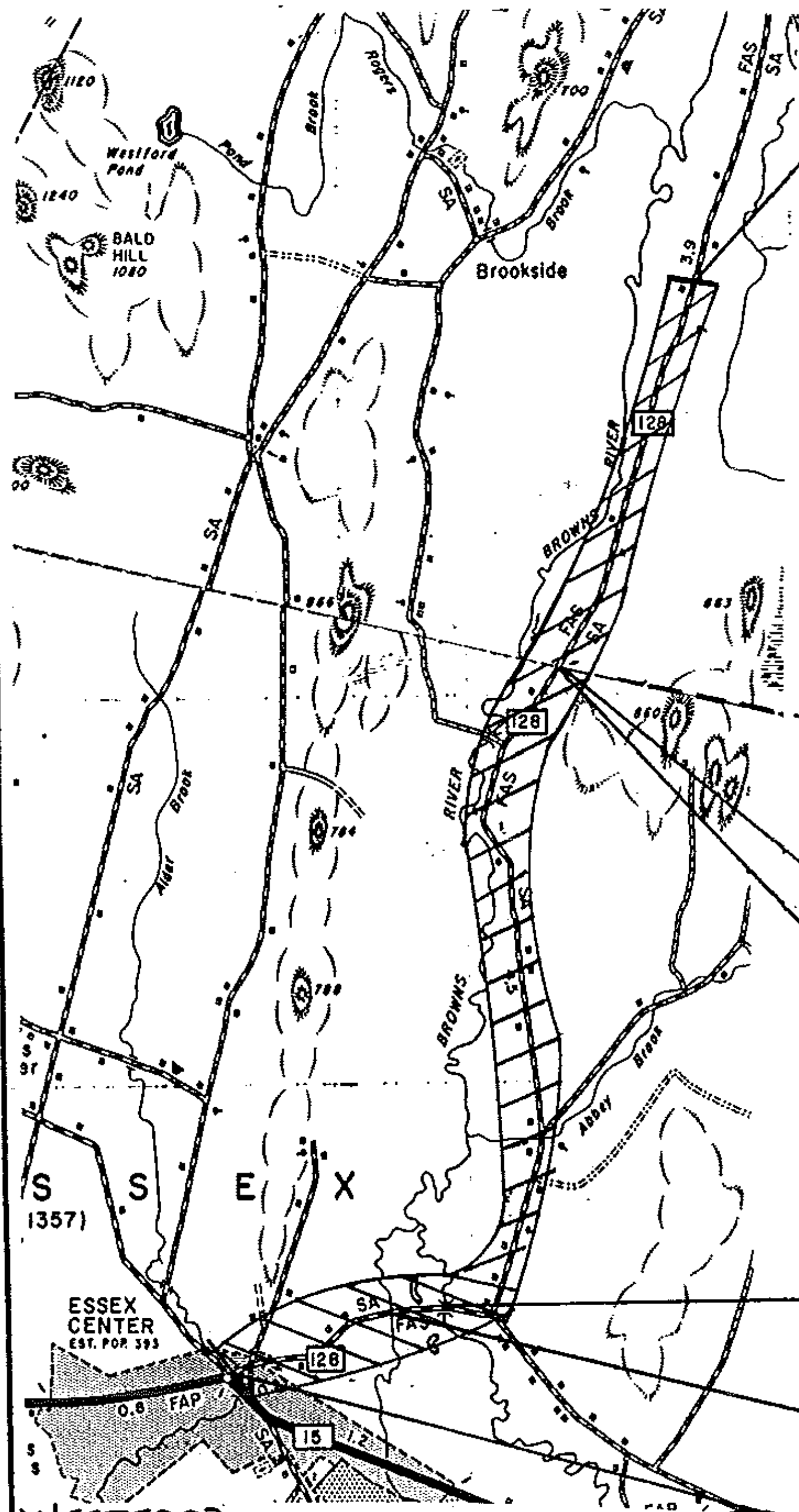
DESCRIPTION AND LOCATION

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
ESSEX
0
1 INCH REPRESENTS 1 MILE



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.

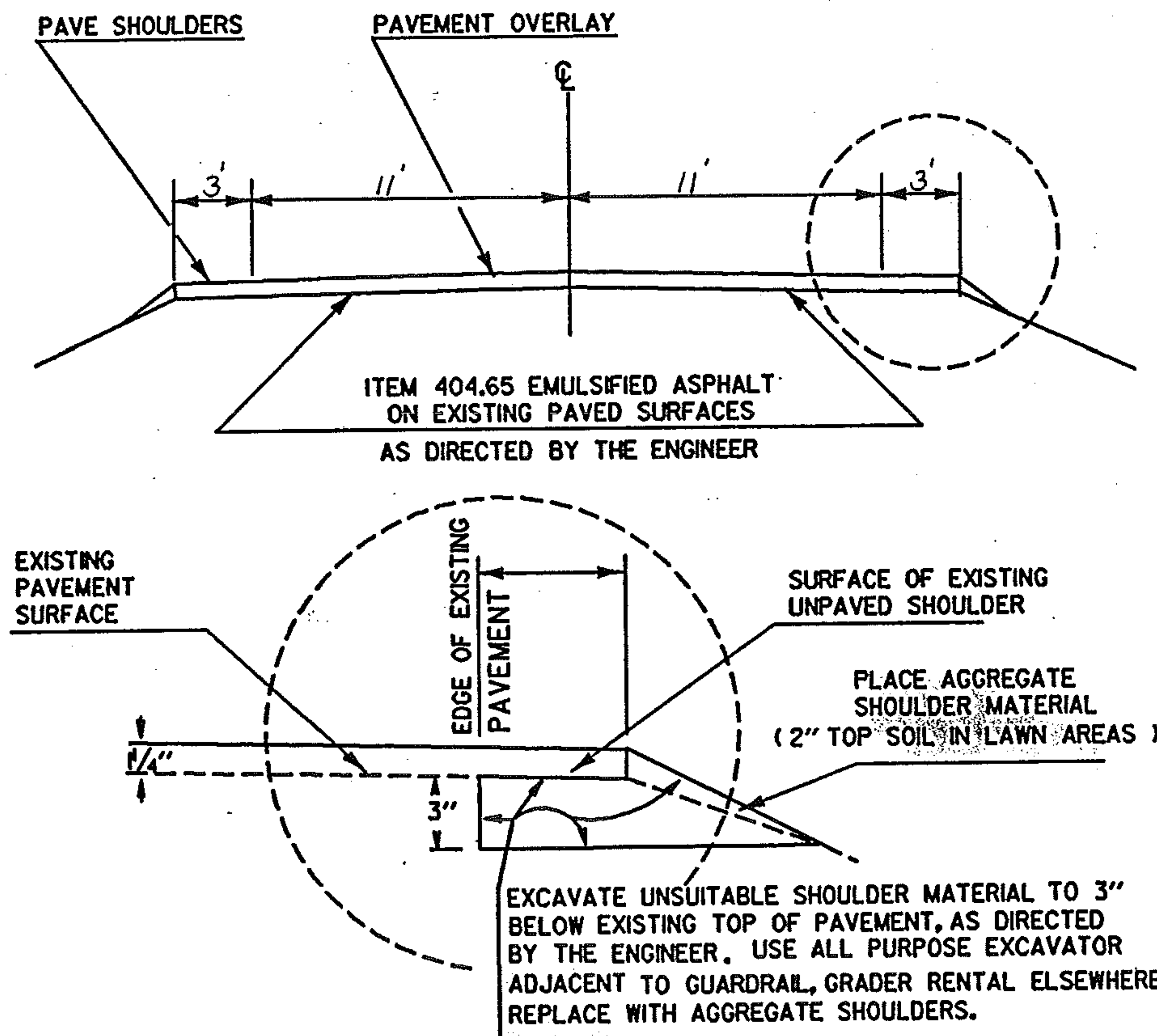
PROJECT ESSEX, WESTFORD

NO. HMA 2835, 2832

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



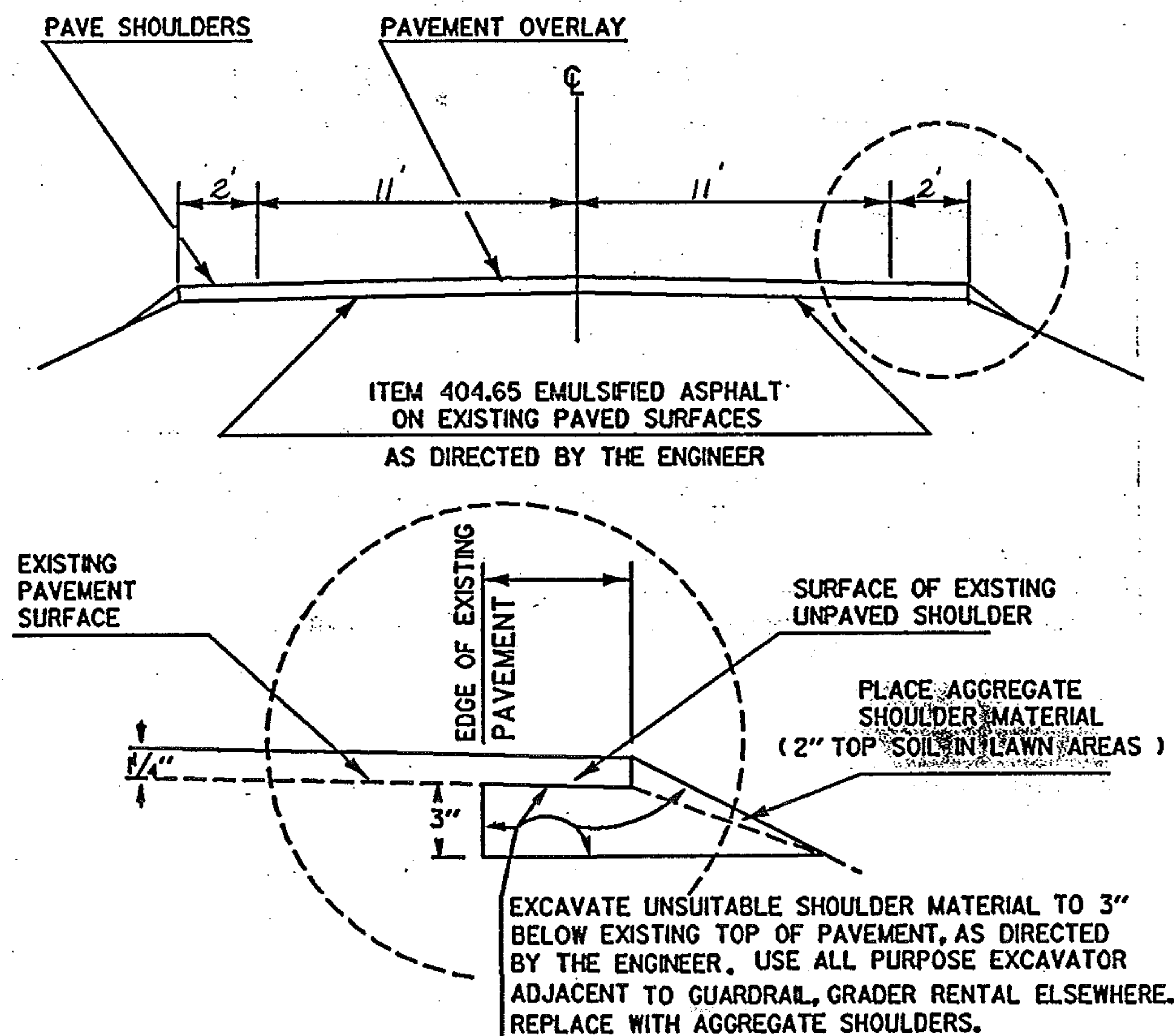
PROJECT ESSEX

NO. HMA 2835

SHEET 14 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. 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																	
OPTION																	
LENGTH																	
WIDTH																	
OVERLAY DEPTH																	
GRAVEL SHOULDERS																	
EMULSIFIED SHOULDERS																	
BITUMINOUS ASPHALT																	
POWER BROOM RENTAL																	
UNIFORMED TRAFFIC OFFICERS																	
FLAGGERS																	
MOBILIZATION																	
TEMP 4" WHITE LINE																	
TOPSOIL																	
ITEM NO.	FT.	FT.	IN.	CY	TON	CWT	TON	HR	HR	HR	LS	LF	LF	CY	651.35		
ESSEX																	
HMA 2835	23248	28	1 1/4	1292	2261	71	5015	35	253	253	0.14	464164	86506	110		INCLUDES SHOULDERS	
							1321									LEVEL COURSE	
WESTFORD	6864	26	1 1/4	254	445	21	1374	10	68	68	0.04	13728	16840	33		INCLUDES SHOULDERS	
HMA 2832							325									LEVEL COURSE	
DRIVES & APPROACHES				25	44	—	35	—	—	—	—	—	—	—			
ROUNDING				4	—	3	30	5	4	—	—	8	4	7			
TOTALS	30112	VAR	1 1/4	1575	2750	95	8100	50	325	325	0.18	60200	103350	150			

PROJECT
ESSEX - WESTFORD

NO. HMA 2835.2832

[illegible]

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION									
POWER GRADER RENTAL									
ALC PUMPAGE EXCAVATORS TYPE 1									
DURABLE 24" STOP BAR									
DURABLE LETTER IN WELD MARKING									
ITEM NO.	608.15	608.25	608.37	646.40	646.44				
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				

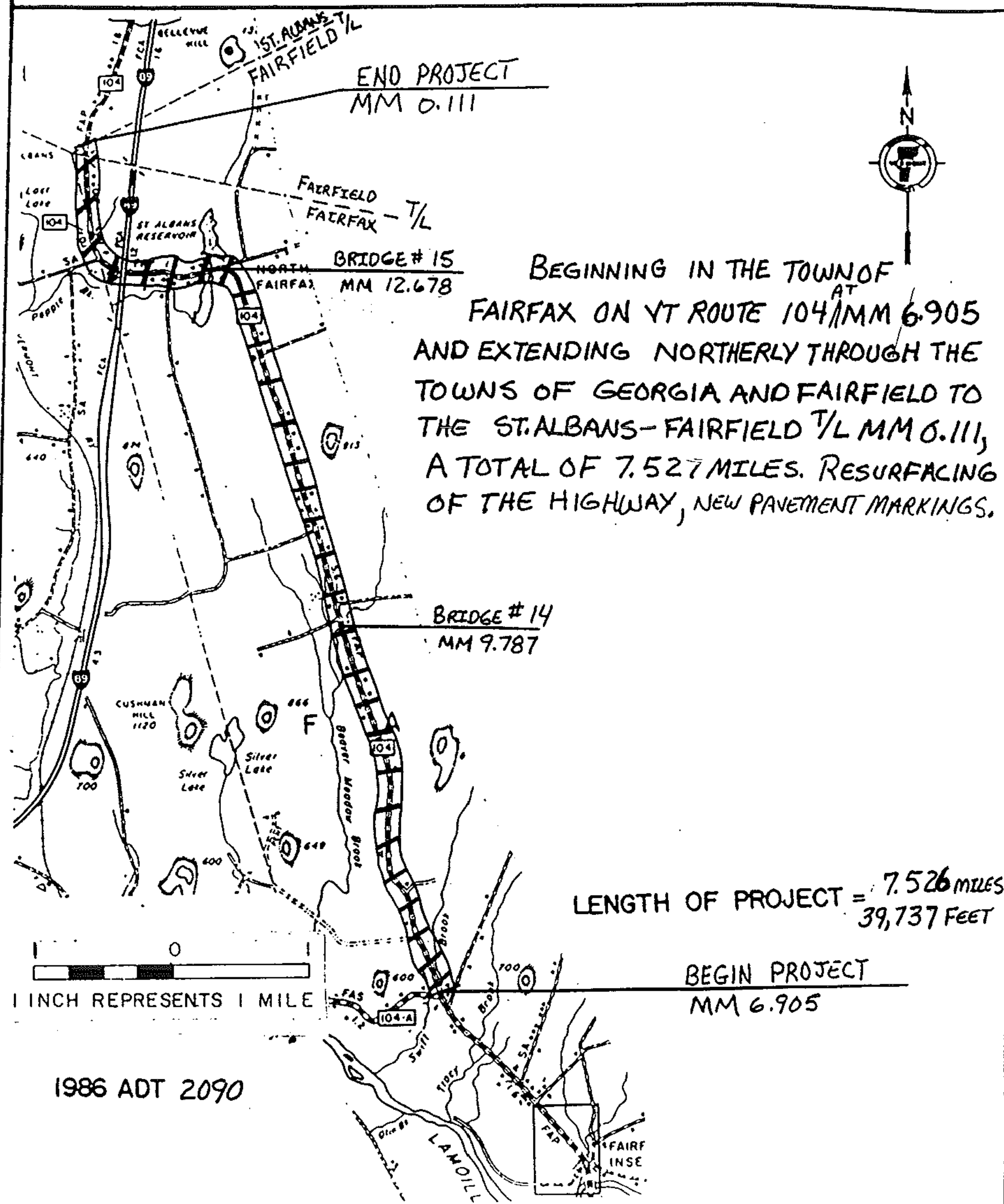
PROJECT ESSEX - WESTFORD

CZ

HMA 2835, 2832

18-19

DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF
FAIRFAX ON VT ROUTE 104 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.

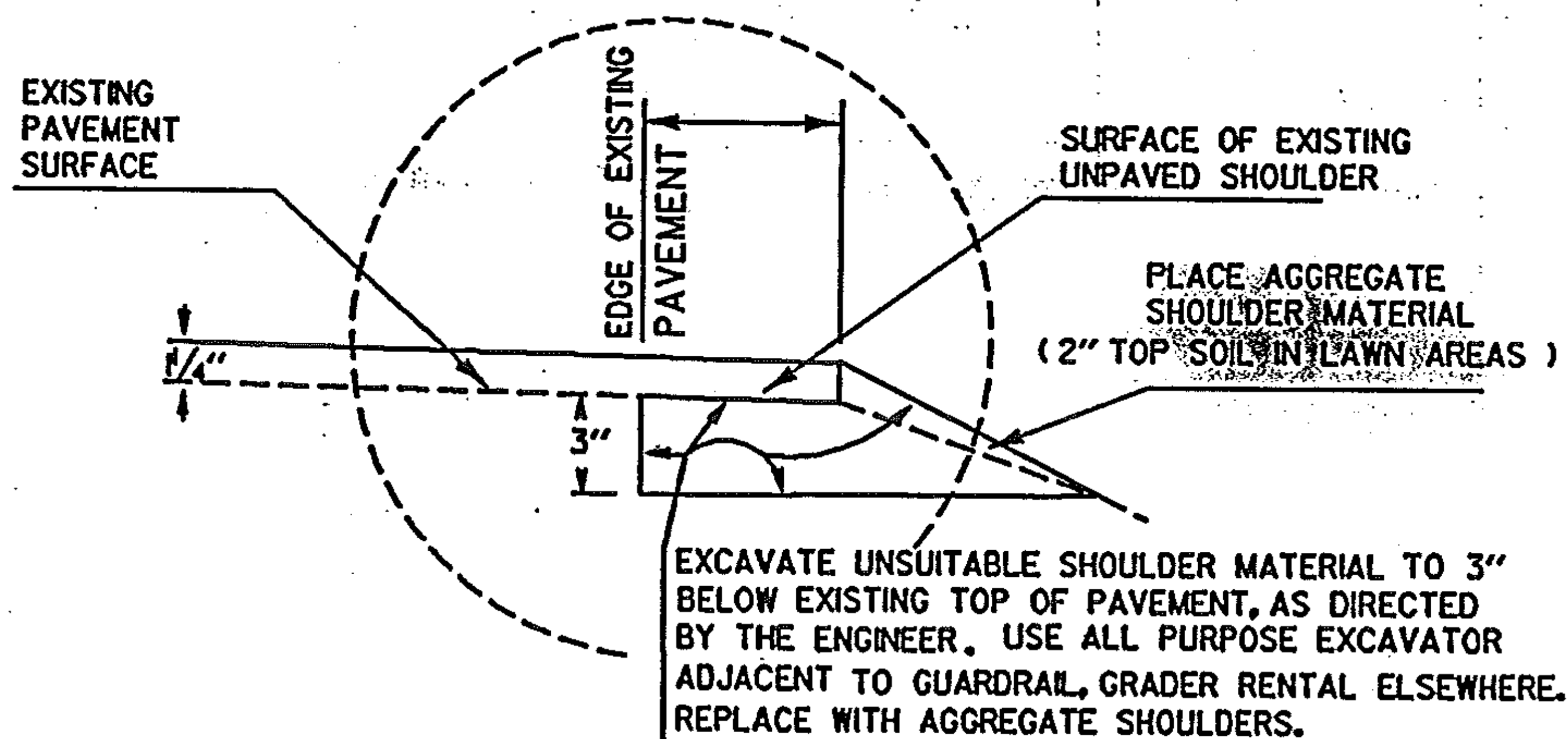
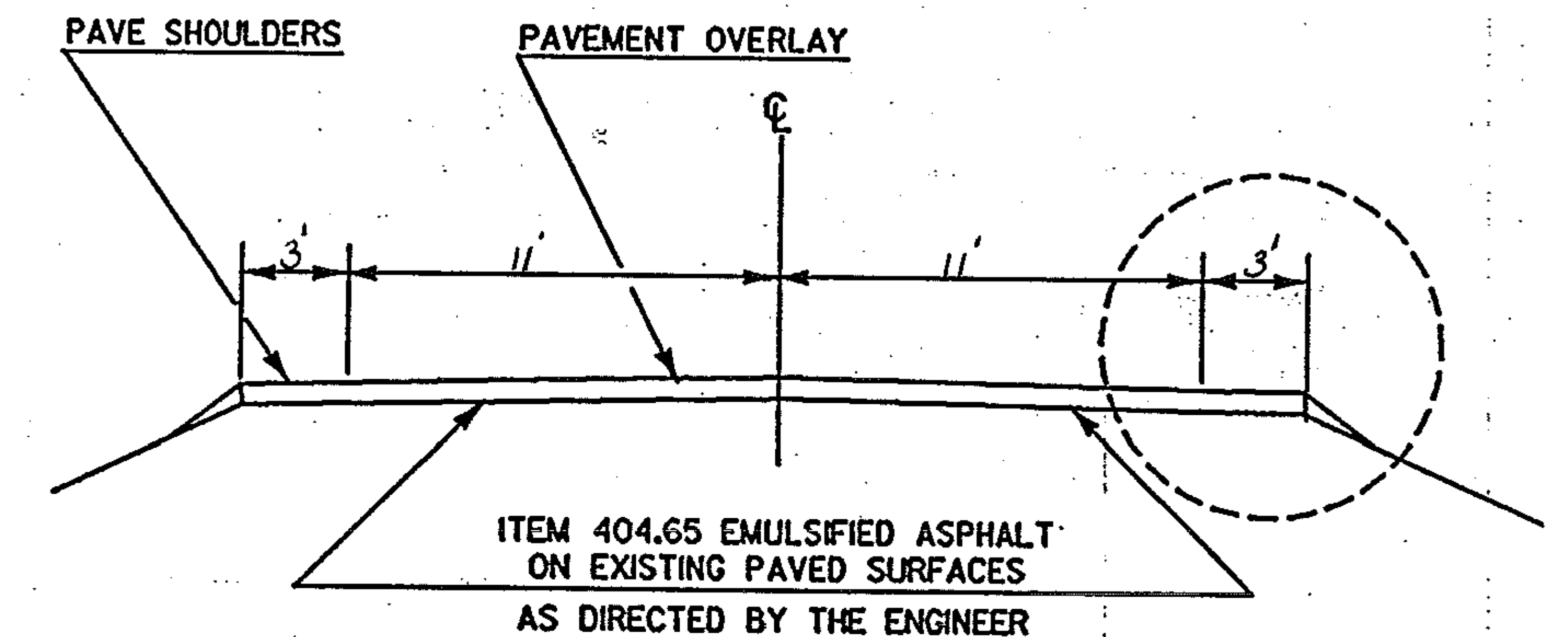
PROJECT FAIRFAX - GEORGIA - FAIRFIELD

NO. HMA 2836

SHEET 19 OF 60 SHEETS

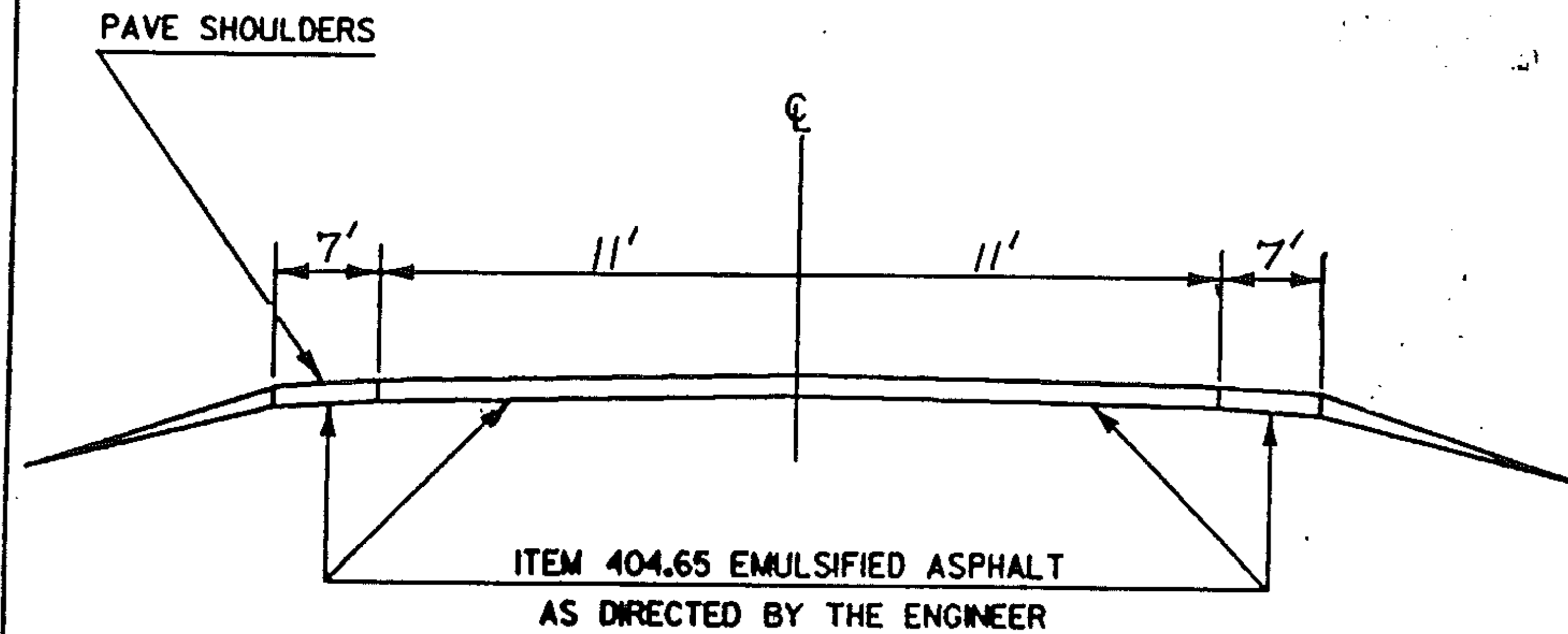
TYPICAL SECTIONS & DESIGN DATA

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 ($\pm 1/2"$)

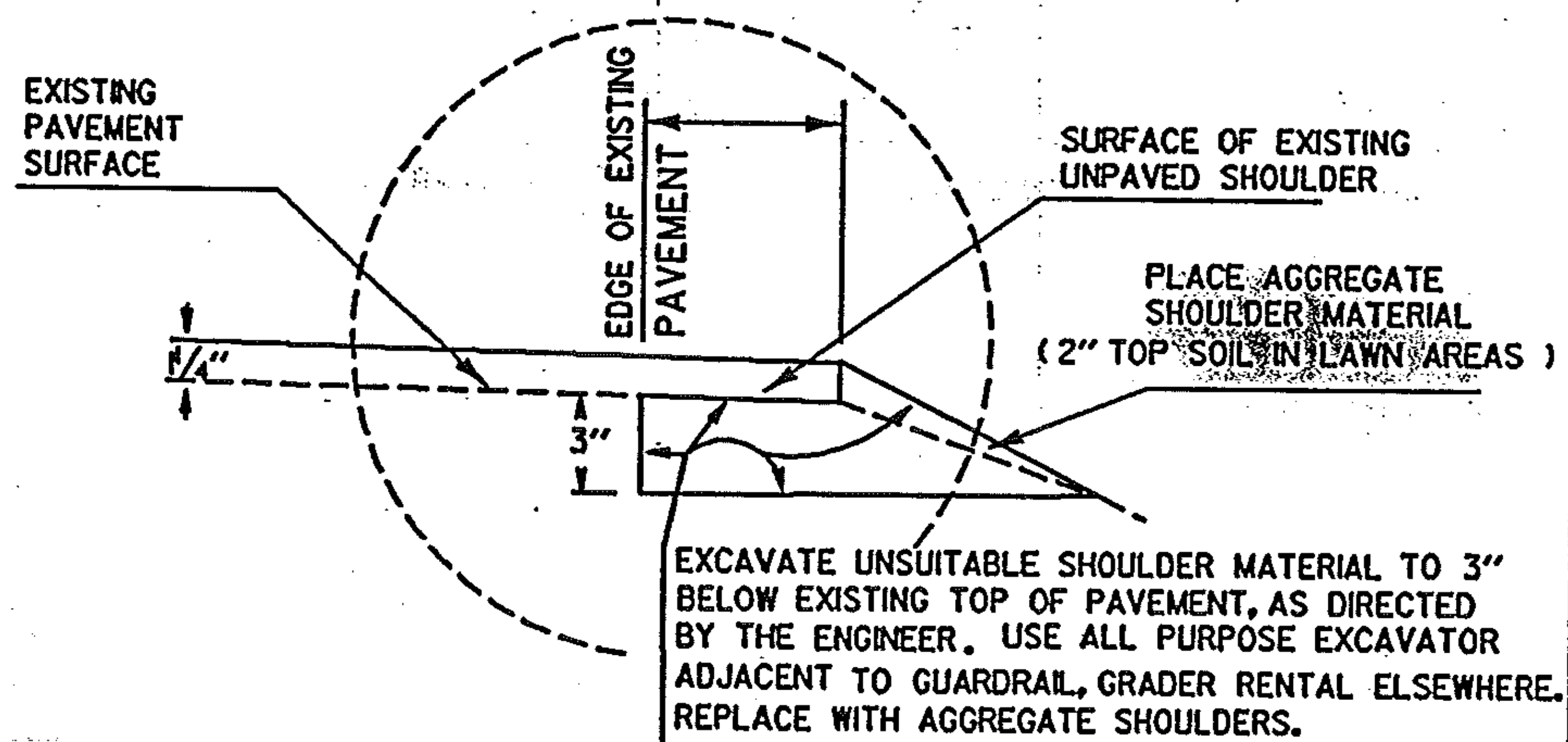
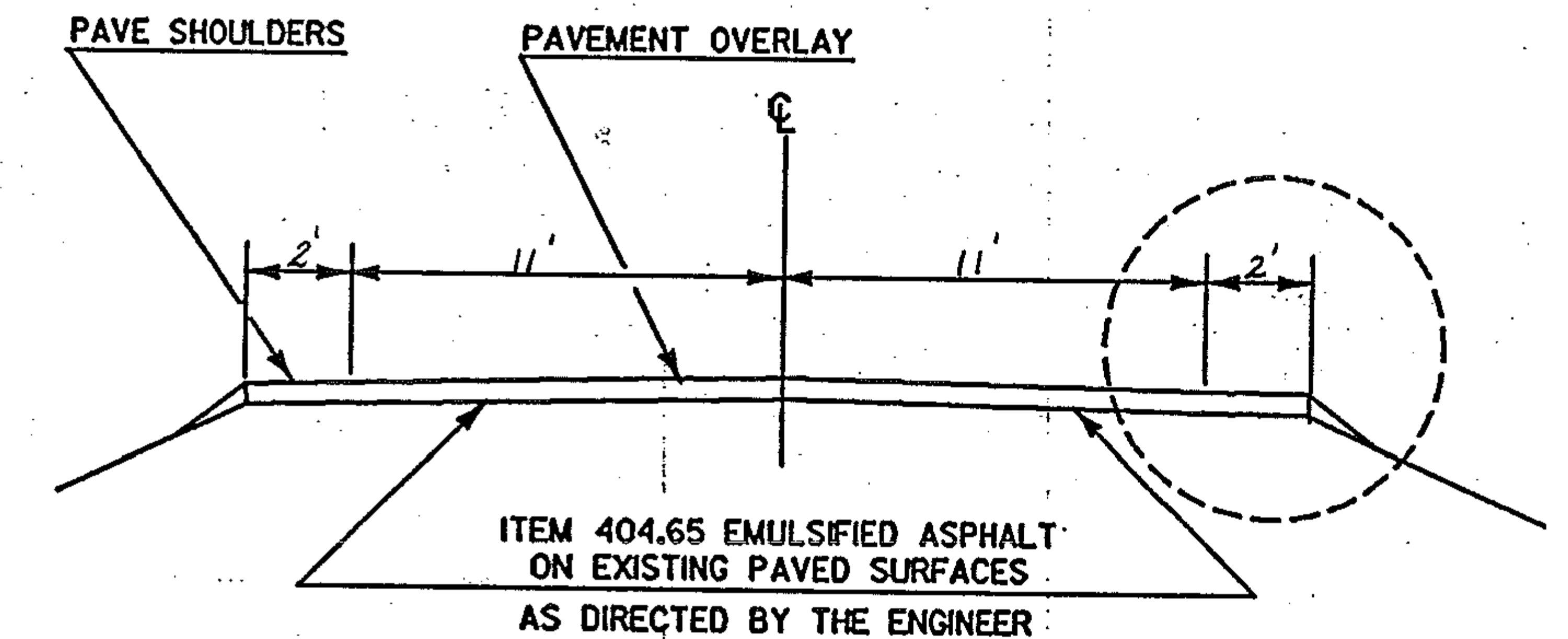
LEVELING COURSE TYPE IV (250 TONS/MILE)

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
FAIRFAX	6.905	7.02	S	S		607		607		1214
	7.02	7.16	S	S		739		739		1478
	7.16	7.28	S	S		634		634		1268
	7.28	7.40	S	S		634		634		1268
	7.40	7.53	S	S		686		686		1372
	7.53	7.64	S	S		581		581		1162
	7.64	8.71	S	S		5650		5650		11300
	8.71	8.84	S	D		686		172		858
	8.84	9.29	D	D			594			594
	9.29	9.41	D	S		158		634		792
	9.41	9.64	S	S		1214		1214		2428
	9.64	9.82	S	D		950		238		1188
	9.82	10.03	S	S		1109		1109		2218
	10.03	10.15	S	D		634		158		792
	10.15	10.37	D	S		290		1162		1452
	10.37	10.93	S	S		2957		2957		5914
	10.93	11.09	S	D		845		211		1056
	11.09	11.16	D	D			92			92
	11.16	11.28	D	S		159		634		793
	11.28	11.37	S	S		475		475		950
	11.37	11.50	S	D		686		172		858
	11.50	11.86	D	D			475			475
	11.86	11.94	S	S		422		422		844
	11.94	12.06	D	S		158		634		792
	12.06	13.60	S	S		8131		8131		16262
GEORGIA	0.00	0.04	S	S		211		211		422

TEMPORARY 4" WHITE LINE

TEMPORARY 4" YELLOW LINE

[illegible]

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	0.111	S	S		587		587		1174
								SUBTOTAL	=	79486
								ROUNDING	=	14
								TOTAL		79500

PROJECT FAIRFAX-GEORGIA-FAIRFIELD

NO. 2836
SHEET 24 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

[illegible]PROJECT
FAIRFAX - GEORGIA - FAIRFIELD
$$\frac{O}{N}$$

9382 4441

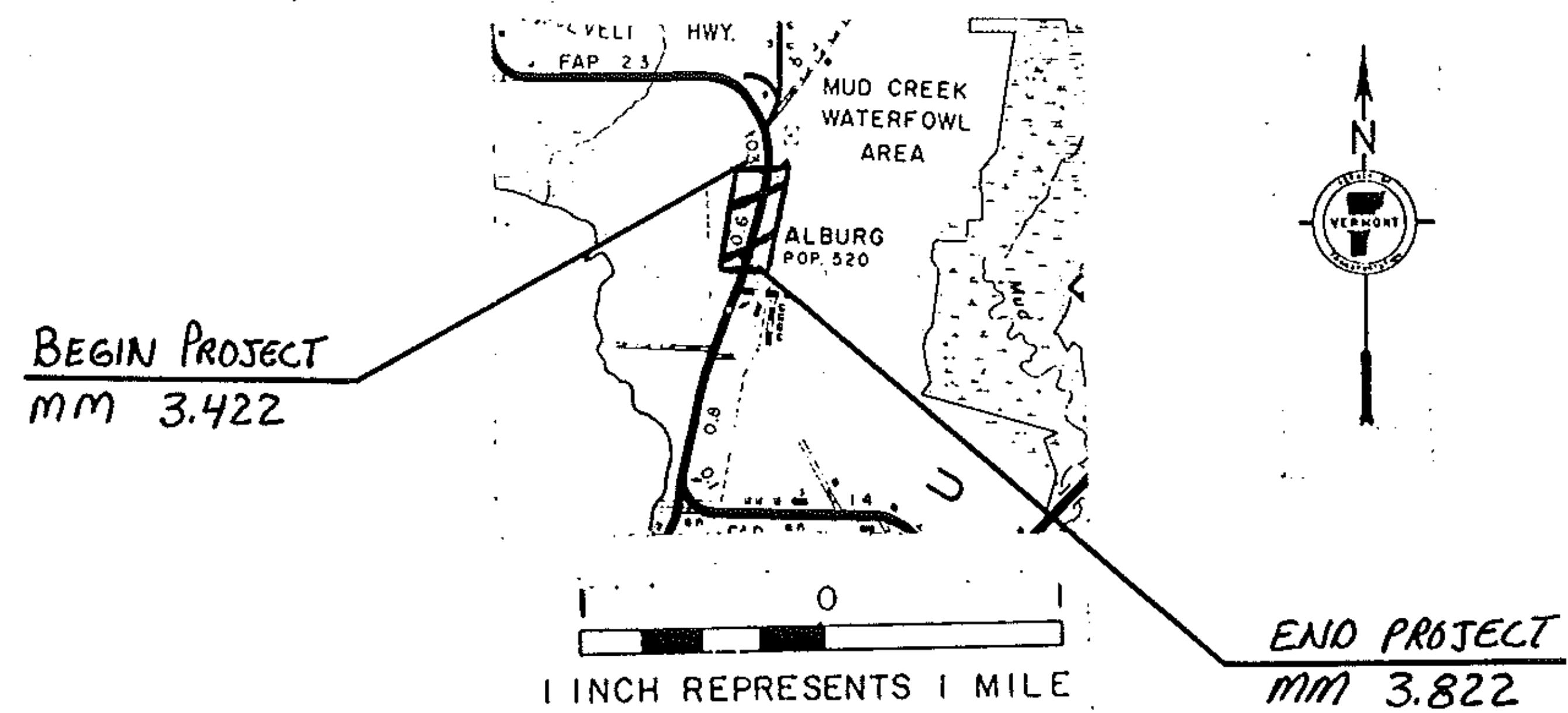
SHEET 25 OF 60 SHEETS

TRUCK RENTAL
ALL PURPOSE EXCAVATOR RENTAL
LOWER GRADE RENTAL
TYPE 1

[illegible]

CI 118575A 25-60

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 AOT : 4230

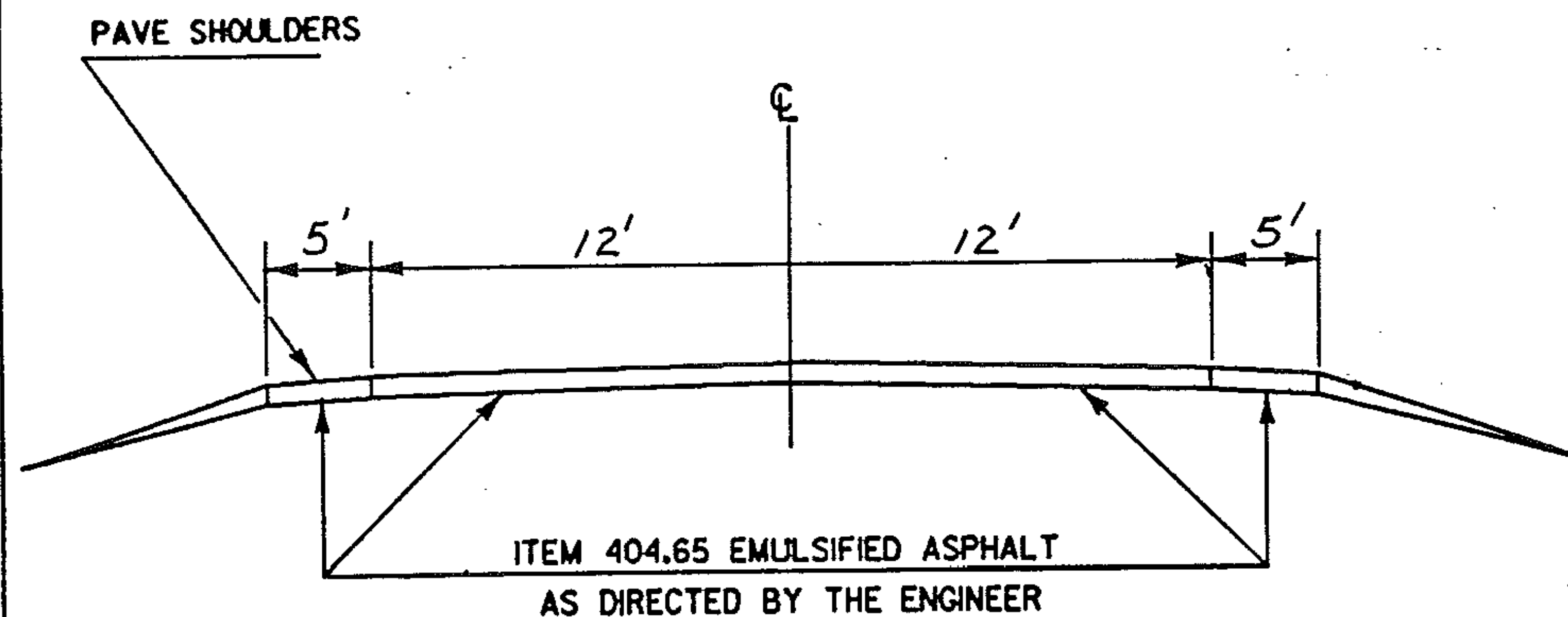
PROJECT ALBURG

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 1/2" WEARING COURSE TYPE III (± 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

TEMPORARY 4" YELLOW LINE

MILE	MILE	LT	RT		QUANTITY LT	QUANTITY Q	QUANTITY RT	TOTALS
3.422	3.49	S	S		359		359	718
3.49	3.822	S	S		1753		1753	3506
							SUBTOTAL	= 4224
				100% LOSS DUE TO LEVELING - ASSUMED				= 4224
							SUBTOTAL	= 8448
							ROUNDING	= 2
							TOTAL	8450
				DURABLE LETTERS "SCHOOL"	MM 3.76 Rt.			16 LETTERS

TEMPORARY 4" WHITE LINE

[illegible]

PROJECT ALBURG

NO. HMA 2846

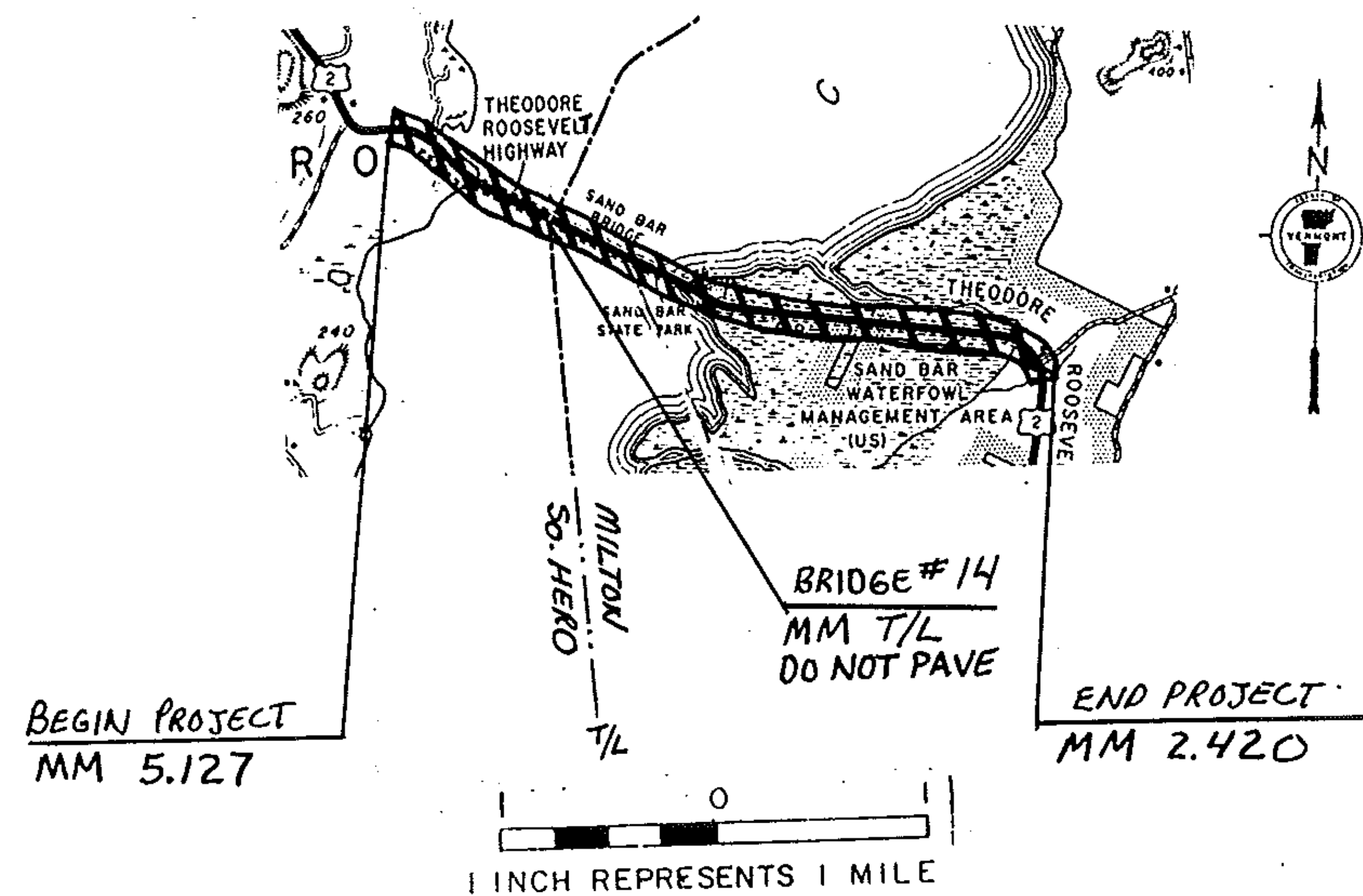
SHEET 28 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

[illegible]

PROJECT _____
ALBURG _____
NO. HMA 2846 SHEET 29 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

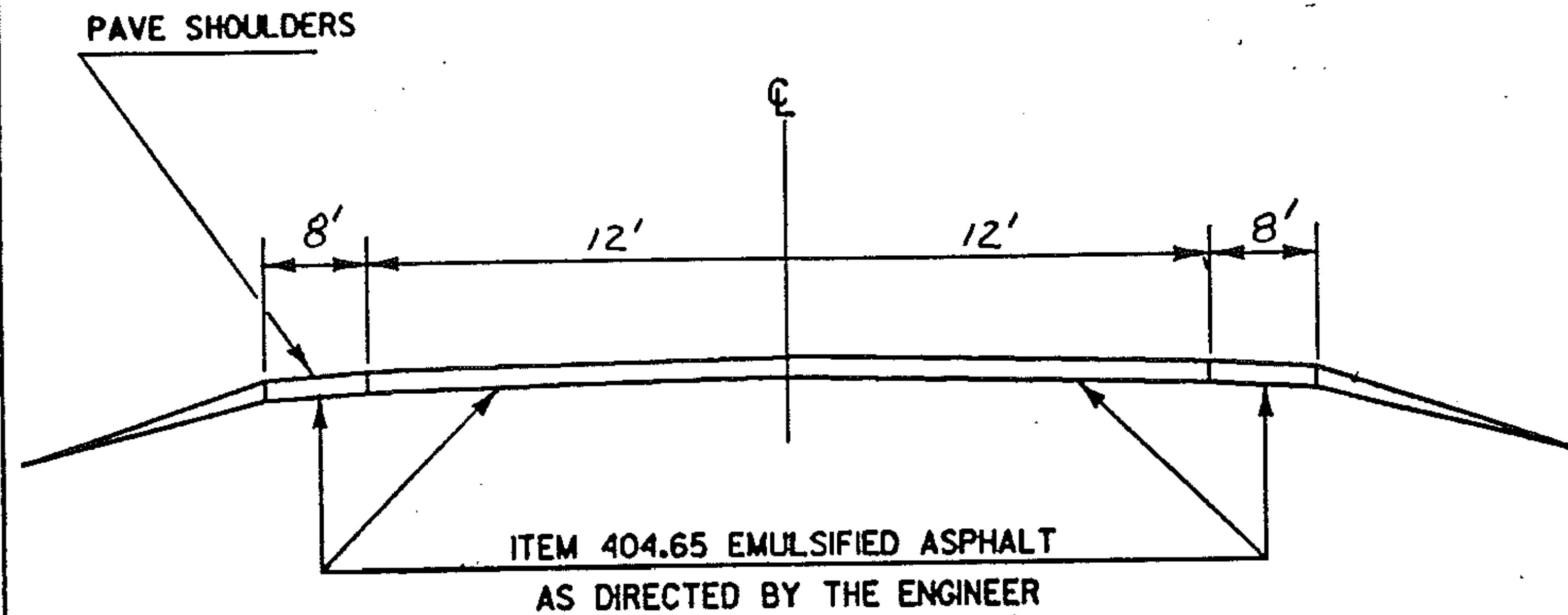
PROJECT So. Hero - Milton

NO. HMA 2850

SHEET 31 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (45 STONS/MILE)
1/2" WEARING COURSE TYPE III ($\pm 1/4$ ")
AS DIRECTED BY THE ENGINEER



US 2 So. HERD MM 5.127 ~ MILTON MM 2.420

PROJECT So. HERD - MILTON

NO. HMA 2850

SHEET 32 OF 60 SHEETS

TEMPORARY 4" YELLOW LINE

[illegible]

TEMPORARY 4" WHITE LINE

[illegible]

PROJECT So. HERO - MILTON.

NO. HMA 2850
SHEET 33 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

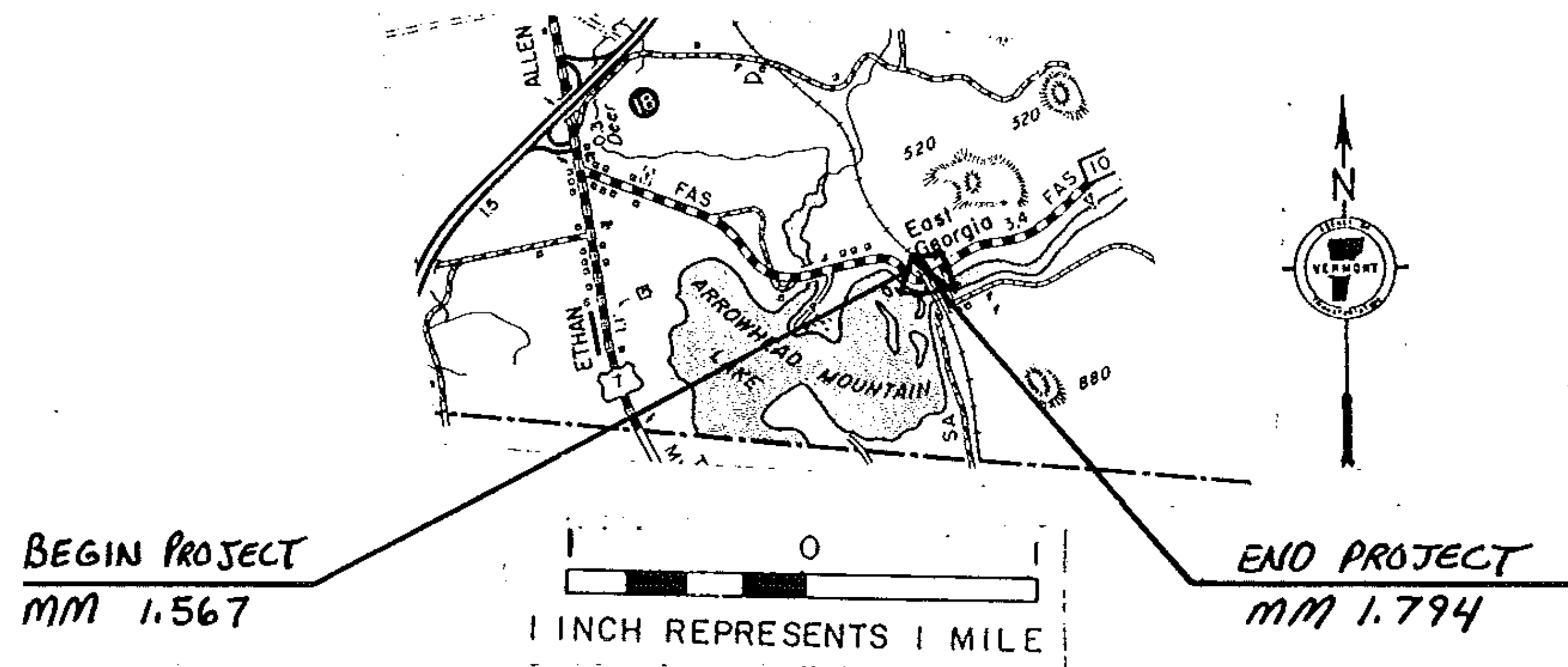
ITEM DESCRIPTION																
OPTION																
OVERLAY DEPTH																
LENGTH																
WIDTH																
GRAVEL SHOULDERS																
EMULSIFIED ASPHALT																
BITUMINOUS CONCRETE PAVEMENT																
UNIFORMED TRAFFIC OFFICERS																
FLAGGERS																
MOBILIZATION																
TEMP 4" WHITE LINE																
TEMP 4" YELLOW LINE																
TOPSOIL																
ITEM NO.	UNIT	FT.	FT.	IN.	CY	TON	CWT	TON	HR	HR	HR	LS	LF	LF	CY	
So. HERO																
MILTON																
HMA 2850																
mm 5.127		16759	40	1 1/2	206	360	93	6207	25	384	384		32346	21214	79	INCLUDES SHOULDERS LEVEL COURSE
mm 2.420								1444								PULL OFFS AT MM 0.415
								25								

PROJECT So. HERO - MILTON.

NO. 4MA 2850

SHEET 34 OF 60 SHEETS

DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF GEORGIA ON VT. RT.
104-A 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

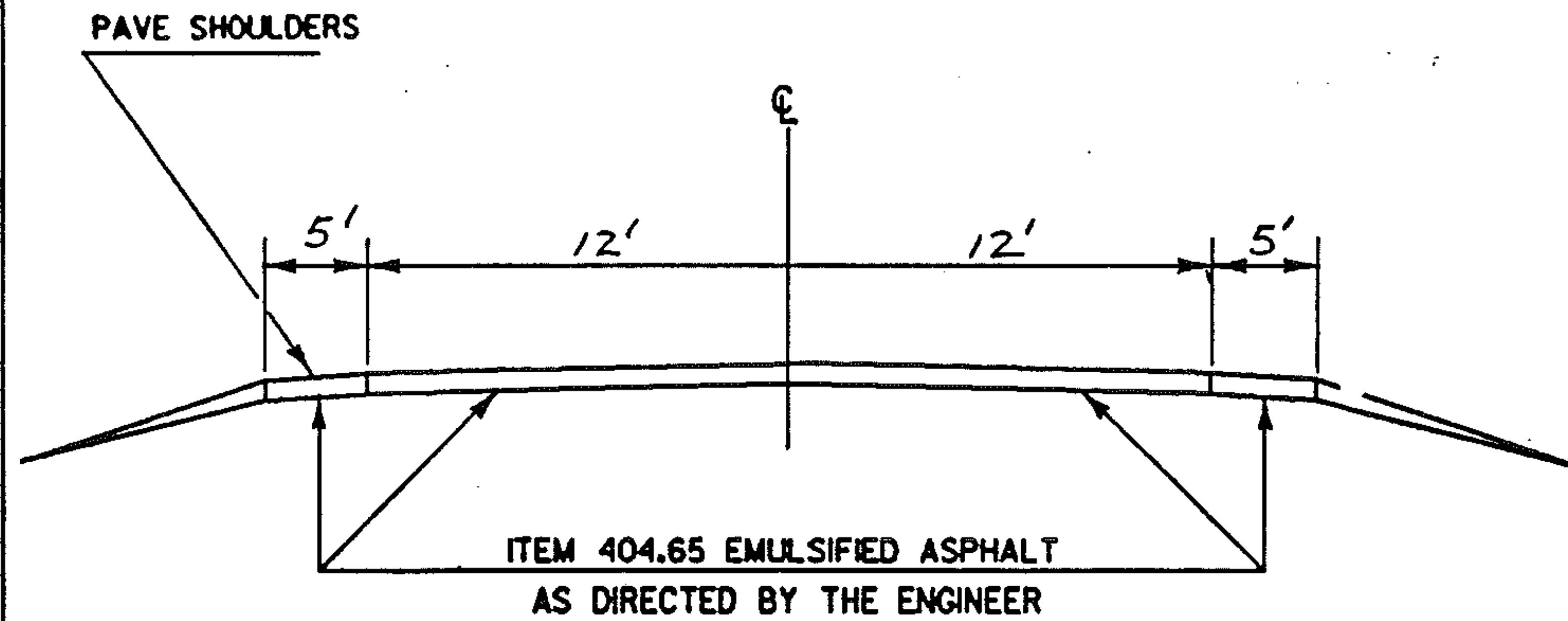
PROJECT GEORGIA

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 1/4" WEARING COURSE TYPE III (± 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

TEMPORARY 4" YELLOW LINE

[illegible]

TEMPORARY 4" WHITE LINE

[illegible]PROJECT GEORGIA

NO. HMA 2854

SHEET 37 OF 60 SHEETS

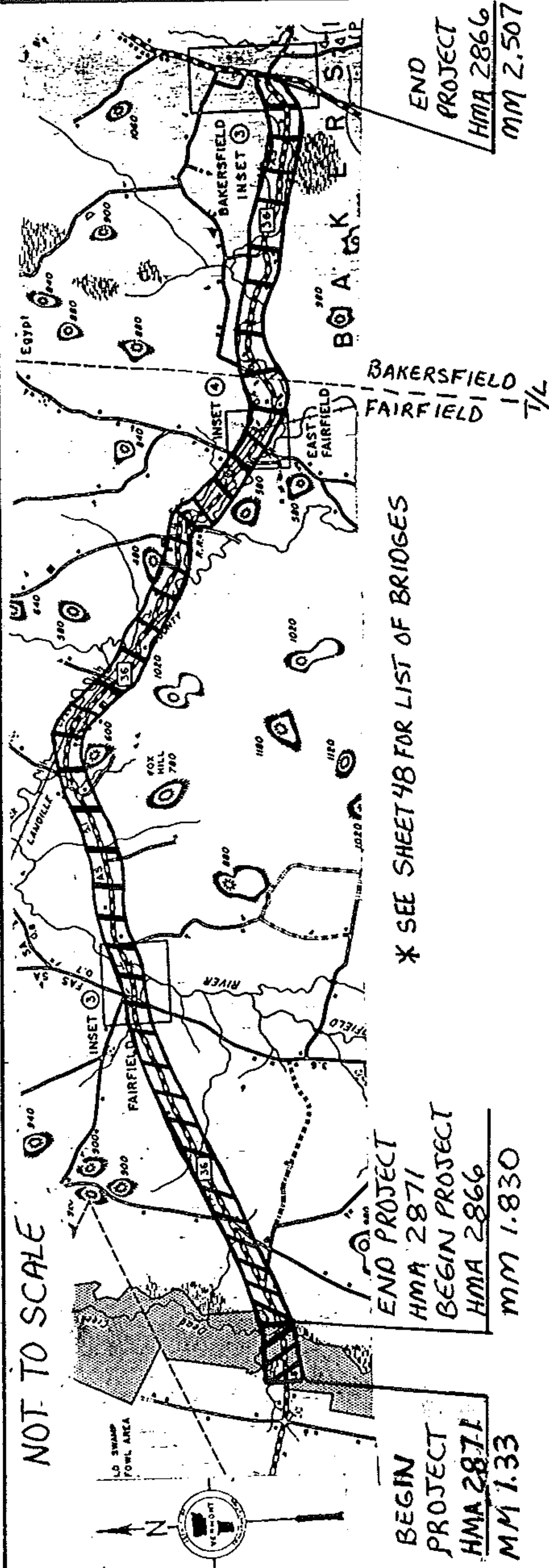
PROJECT LENGTHS AND ITEM QUANTITIES

[illegible]PROJECT GEORGINA
$$\frac{O}{N}$$

HMA 2854

SHIFT 38 NF60 SHFFTS

DESCRIPTION AND LOCATION



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 10.667 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

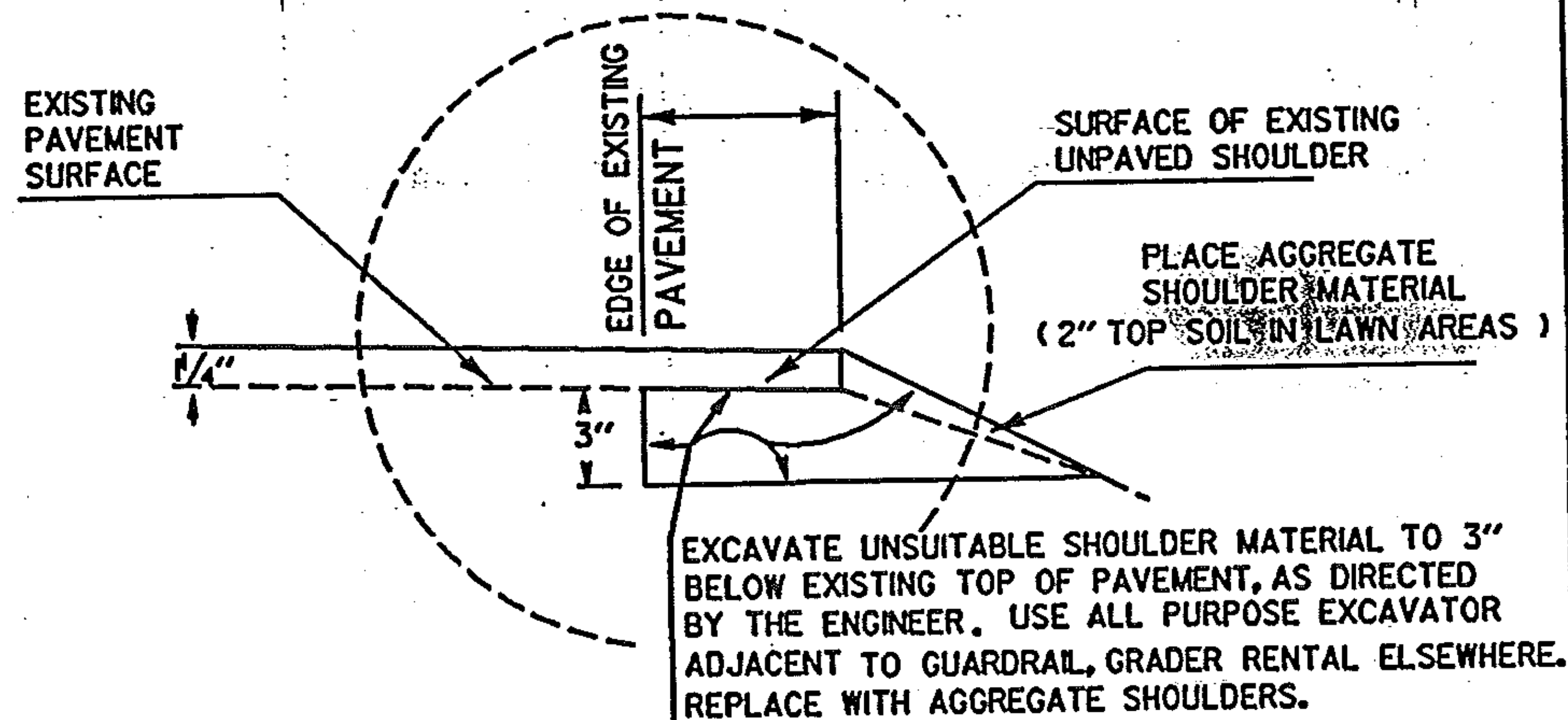
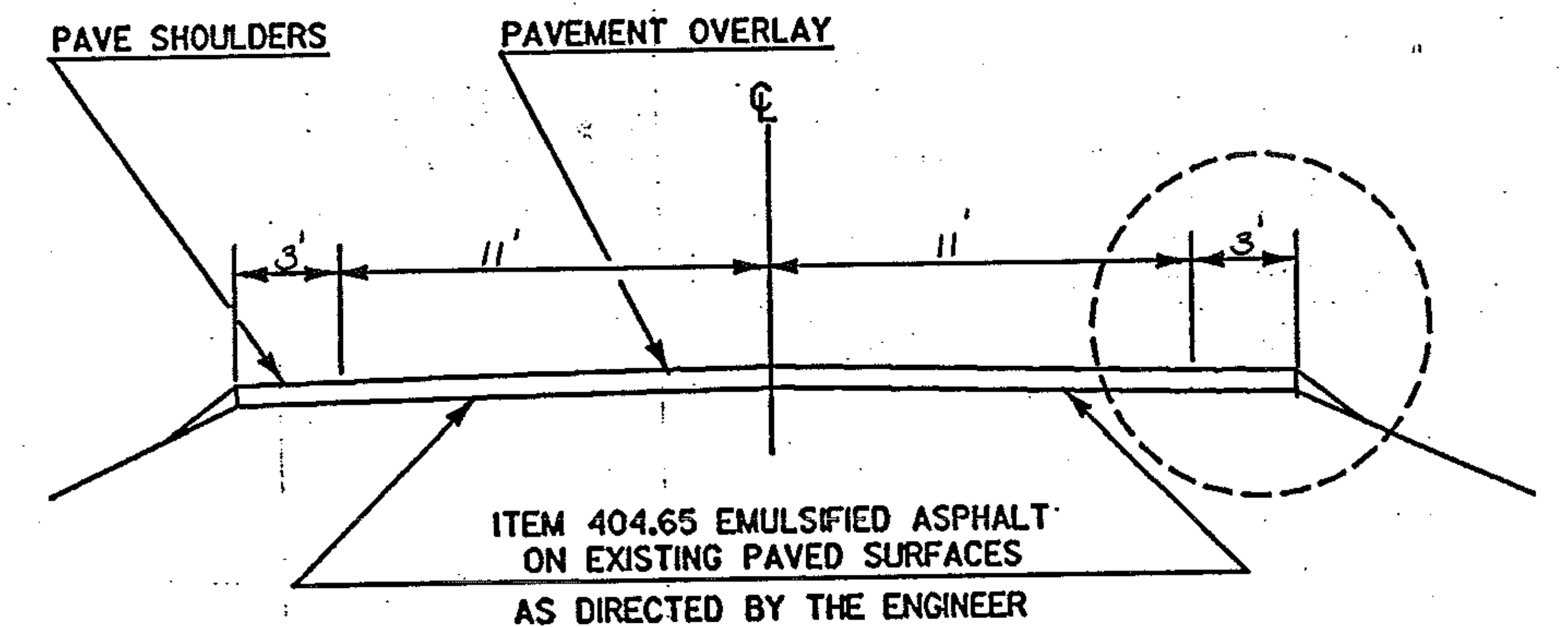
HMA 2866 1984 ADT: 1280
LENGTH : 10.687 MILES
56,428 FEET

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



PROJECT FAIRFIELD

NO. HMA 2871

SHEET 40 OF 60 SHEETS

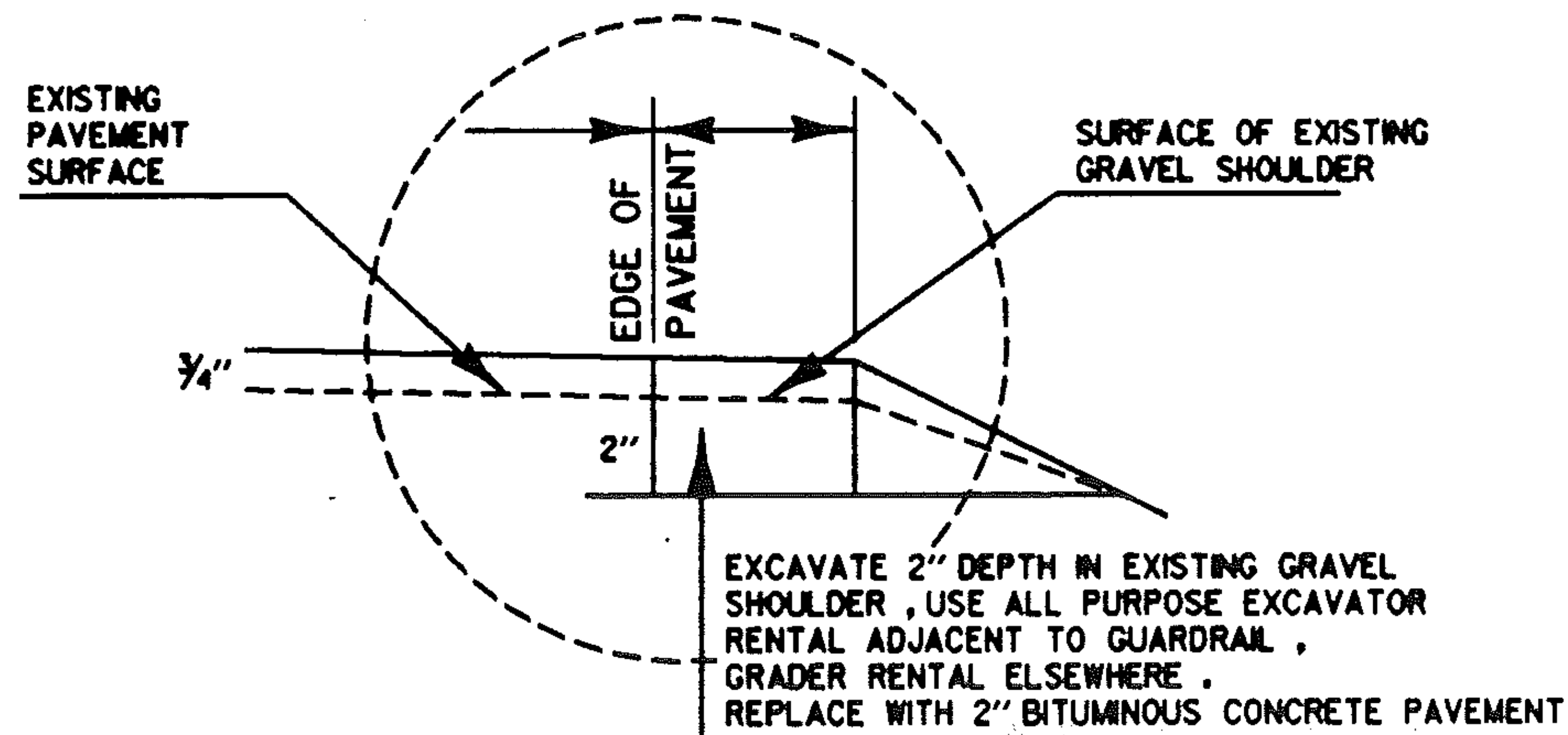
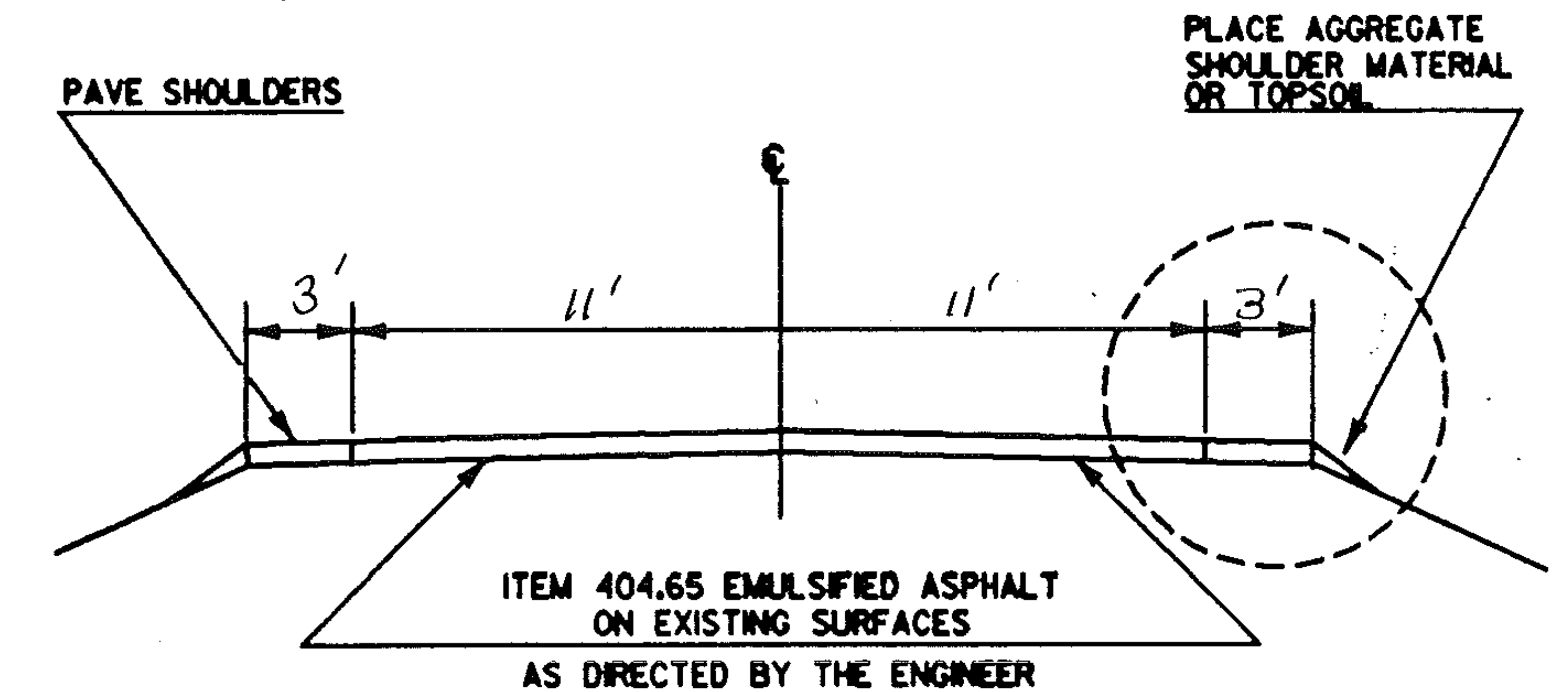
TYPICAL SECTIONS & DESIGN DATA

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



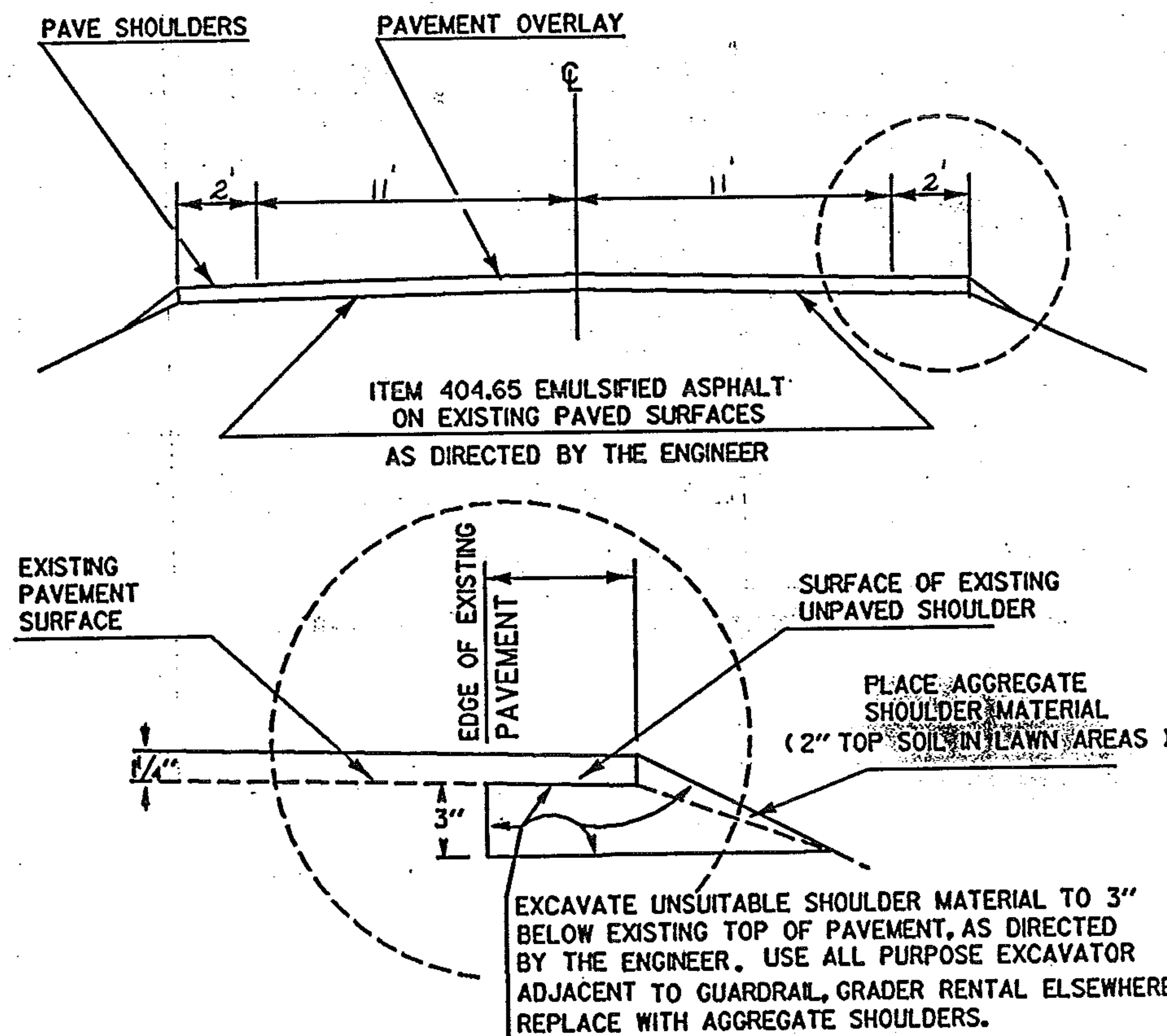
PROJECT FAIRFIELD-BAKERSFIELD

NO. HMA 2866

SHEET 41 OF 60 SHEETS

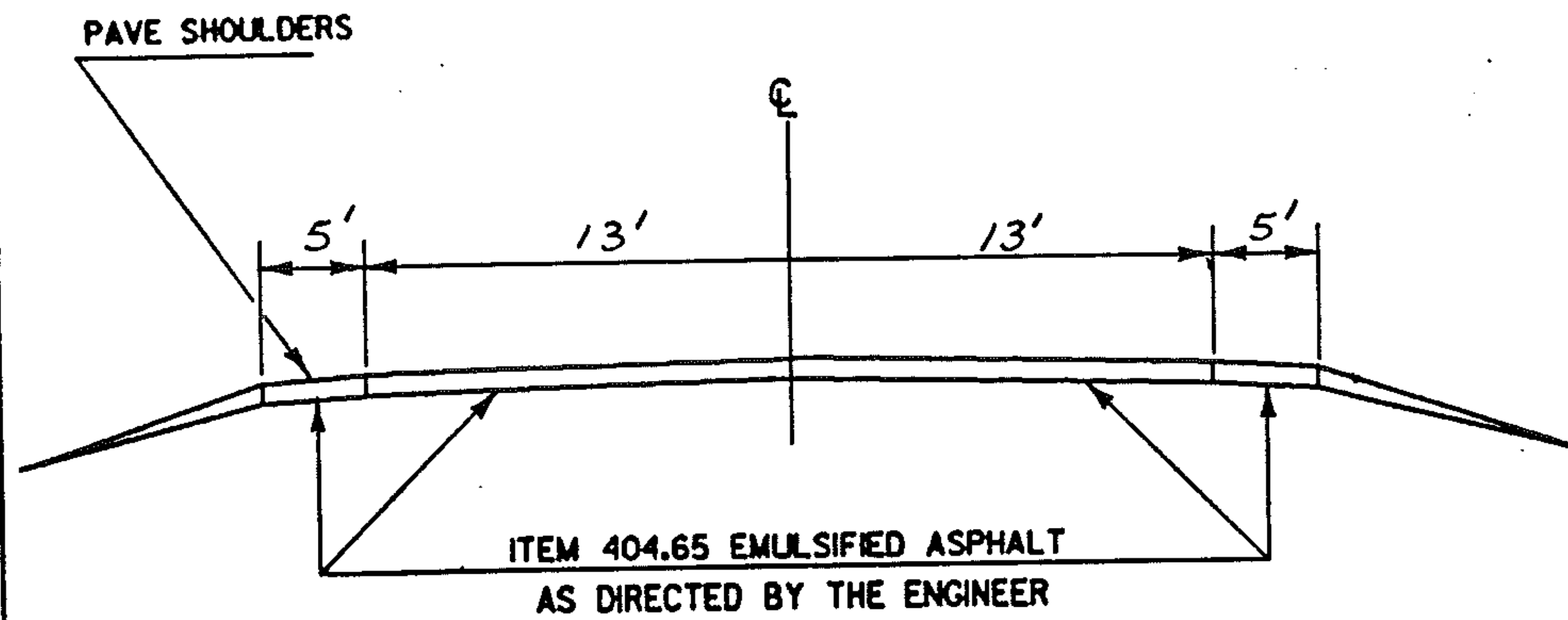
TYPICAL SECTIONS & DESIGN DATA

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

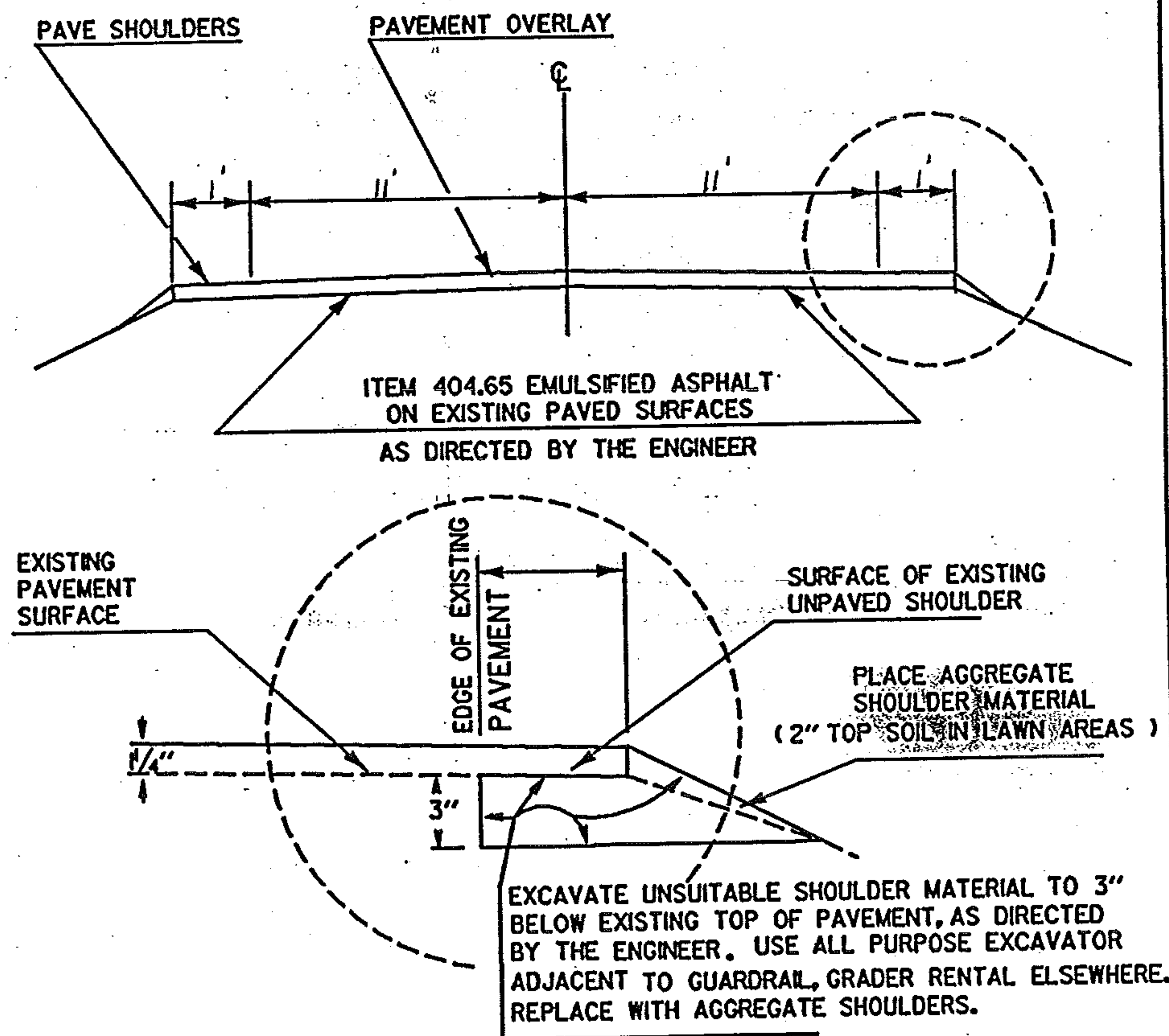
PROJECT FAIRFIELD - BAKERSFIELD

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

[illegible]

TEMPORARY 4" WHITE LINE

[illegible]PROJECT FAIRFIELD

NO. HMA 2871

SHEET 45 OF 60 SHEETS

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.	

PROJECT Fairfield-Bakersfield

NO. HMA 2B66
SHEET 46 OF 60 SHEETS

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
									Rnd	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
								Rnd		46
								Total		112,900

PROJECT Fairfield-Bakersfield

NO. HMA 2866
SHEET 47 OF 60 SHEETS

BRIDGES

TOWN	MM	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

[illegible]

PROJECT FAIRFIELD NO. HMA 2871 SHEET 49 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

[illegible]

PROJECT FAIRFIELD-BAKERSFIELD

 $\frac{1}{2}$

HMA 2866

SECRET 50 NC 60 CURETC

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION		LENGTH	WIDTH	OVERLAY DEPTH		GRAVEL SHOULDERS		EMULSIFIED SHOULDERS		BITUMINOUS ASPHALT		POWER BROOM RENTAL		UNIFORMED TRAFFIC OFFICERS		FLAGGERS		MOBILIZATION		TEMP 4" WHITE LINE		TEMP 4" YELLOW LINE		TOPSOIL	
				FT.	IN.	FT.	IN.	TON	CWT	TON	HR	HR	HR	HR	LS	LF	LF	LF	CY	CY					
ITEM NO.																									
UNIT																									
DRIVES & APPROACHES																									
PROJECT																									
ROUNDINGS																									
											</														

PROJEC
FAIRFIELD - BAKERSFIELD

$$\frac{C}{Z}$$

HWA 2866

SECRET

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION

ALL PURPOSE EXCAVATOR RENTAL, TYPE I

POSE EXCAVATOR RENTAL, TYPE
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 FAIRFIELD-BAKERSFIELD

NO. HMA 2866, 2871

SHEET 52 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION									
DURABLE LETTER IN WORD MARKING									
DURABLE RFR CROSSING SYMBOL									
DURABLE 24" STOP BAR									
ITEM NO.	646.44	646.48	646.49						
UNIT	EA.	EA	LF						
FAIRFIELD									
MM 4.25	6								"SCHOOL"
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