

DATE : 05/13/92

HPMS SAMPLE SECTIONS
HIGHWAY INFORMATION SERVICES DIVISION

Balto. City

CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD	
1	24 MORAVIA RD	MU 0055 999	02.84	00.40	03.24	D 13	930-539
2	24	MU 0055 999	03.24	00.12	03.36	D 13	931-537
3	24 CANTON AVE	MU 0101 999	00.21	00.19	00.40	D 12 B	893-525
4	24 33RD ST	MU 0500 999	00.00	00.11	00.11	C 13 C	545-965
5	24	MU 0500 999	00.11	00.55	00.66	C-12	546-915
6	24	MU 0500 999	00.89	00.67	01.56	C-12	546-911
7	24 TAYLOR AVE	MU 0696 999	00.00	00.84	00.84	C-13 C	930-540
8	24 BROOKING HWY.	MU 0908 999	01.06	00.21	01.27	D 13	929-521
9	24	MU 0908 999	01.27	00.25	01.52	D 13	" "
10	24	MU 0908 999	01.52	00.19	01.71	D 13	" "
11	24 MORAVIA PARK DR.	MU 1020 999	00.51	00.48	00.99	D 13	930-540
12	24 NORTON PKWY	MU 1022 999	01.23	00.68	01.91	C 12	884-550
13	24 GUYTON FALLS PKWY	MU 1023 999	00.05	00.11	00.16	D 12 B	890-540
14	24	MU 1023 999	01.32	00.54	01.86	D 12 B	895-540
15	24 FULTON AVE	MU 1045 999	00.00	00.23	00.23	D 12 E	900-540
16	24 PARKSIDE DR	MU 1100 999	00.92	00.71	01.63	C 13 C	923-546
17	24 CHARLES ST.	MU 1125 999	00.52	00.15	00.67	D 12 B	909-533
18	24	MU 1125 999	01.52	00.19	01.71	D 12 B	909-539
19	24 HOMELAND AVE.	MU 1141 999	00.42	00.19	00.61	C-12	908-554
20	24 HAVEN ST	MU 1241 999	00.14	00.18	00.32	D-13	923-534
21	24 PONCA ST.	MU 1300 999	00.70	00.22	00.92	D 13	925-525

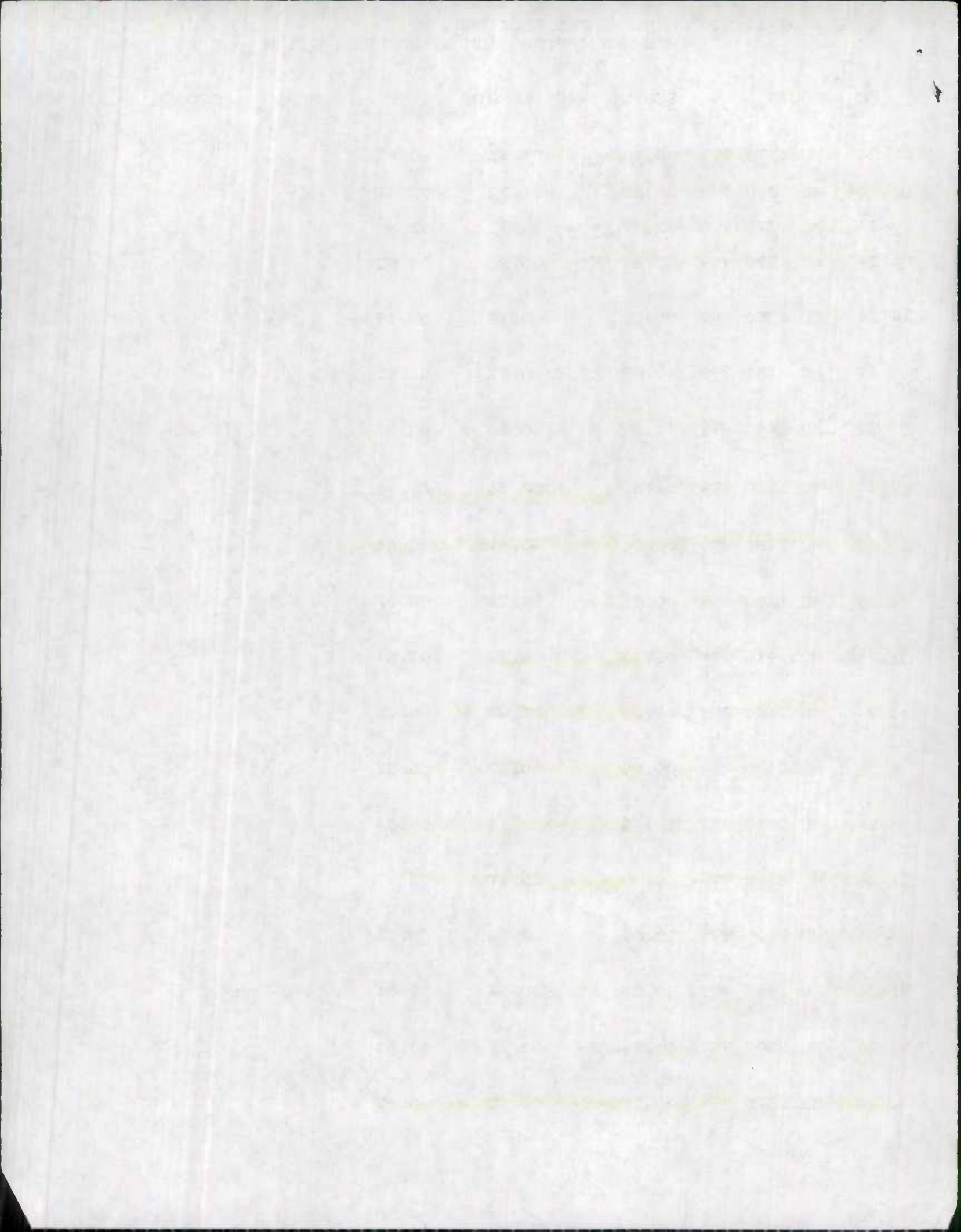
Faint, illegible text covering the majority of the page, possibly bleed-through from the reverse side.

Handwritten mark or signature at the bottom center of the page.

DATE : 05/13/92

HPMS SAMPLE SECTIONS
HIGHWAY INFORMATION SERVICES DIVISION

CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
22	MU 1370 999 MONUMENT ST.	00.10	00.35	00.45	D-13	925-534
23	MU 1370 999	00.85	01.72	02.57	D12B	920-534
24	MU 1370 999	02.57	00.12	02.69	D12B	" "
25	MU 1370 999	02.69	00.23	02.92	D12B	" "
* 26	MU 1380 999 E. FALLSWAY	00.00	00.19	00.19	D12B	903-530 ?
* 27	MU 1381 999 FALLSWAY	00.00	00.22	00.22	D12B	?
28	MU 1440 999 BROADWAY	01.69	00.40	02.09	D12B	914-537
29	MU 1510 999 ST PAUL ST.	01.60	00.56	02.16	D12B	909-542
30	MU 1780 999 MT. ROYAL AVE.	00.00	00.41	00.41	D12B	907-539
31	MU 1790 999 CENTRE ST.	00.41	00.21	00.62	D12B	909-533
32	MU 1910 999 FRANKLINTOWN RD.	02.24	00.37	02.61	D12B	890-535
33	MU 2100 999 COLD SPRING LA.	04.28	00.97	05.25	C12	910-551
34	MU 2120 999 GARRISON BLVD.	00.00	00.27	00.27	C12	886-551
35	MU 2240 999 33RD ST	00.18	00.16	00.34	C12	905-545
36	MU 2300 999 OLD FREDERICK RD.	00.00	00.17	00.17	D12B	887-531
37	MU 2400 999 HEMLOCK AVE	00.00	00.56	00.56	C13C	925-558
38	MU 2465 999 WOODLEA AVE	00.27	00.24	00.51	C13C	926-546
39	MU 2505 999 HARECOURT RD	00.26	00.17	00.43	C13C	922-548
40	MU 2875 999 SEQUOIA AVE	00.22	00.43	00.65	C12	888-546



DATE : 05/13/92

HPMS SAMPLE SECTIONS
HIGHWAY INFORMATION SERVICES DIVISION

CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
41	MU 2880 999 HILTON ST.	01.35	00.28	01.63	D 12 B	892-533
42	MU 2955 999 LAKEWOOD AVE	00.48	00.21	00.69	D 13	919-538
43	MU 3040 999 BOSTON ST	01.67	00.21	01.88	D 13	924-526
44	MU 3050 999 BOSTON AVE	00.00	00.17	00.17	D 13	931-526
45	MU 4015 999 PARK AVE	00.00	00.11	00.11	D 12 B	908-536
46	MU 4125 999 MONASTERY AVE	00.00	00.63	00.63	D 12 B	894-530
47	MU 4135 999 SWANN AVE	00.00	00.11	00.11	D 12 B	887-531
48	MU 4145 999 YALE AVE	00.52	00.29	00.81	D 12 B	889-524
49	MU 4210 999 M-MECHEN ST	00.49	00.22	00.71	D 12 B	905-537
50	MU 4290 999 HAMBURG ST	00.00	00.23	00.23	D 12 B	909-527
51	MU 4340 999 REQUIN ST.	00. 30 ⁰⁰	00.42	00. 72 ⁴²	D 12 D	909-515
52	MU 4635 999 HUNTINGDON AVE	00.00	00.32	00.32	D 12 B	908-542
53	MU 5850 999 OLDHAM ST	00.33	00.42	00.75	D 13	925-530

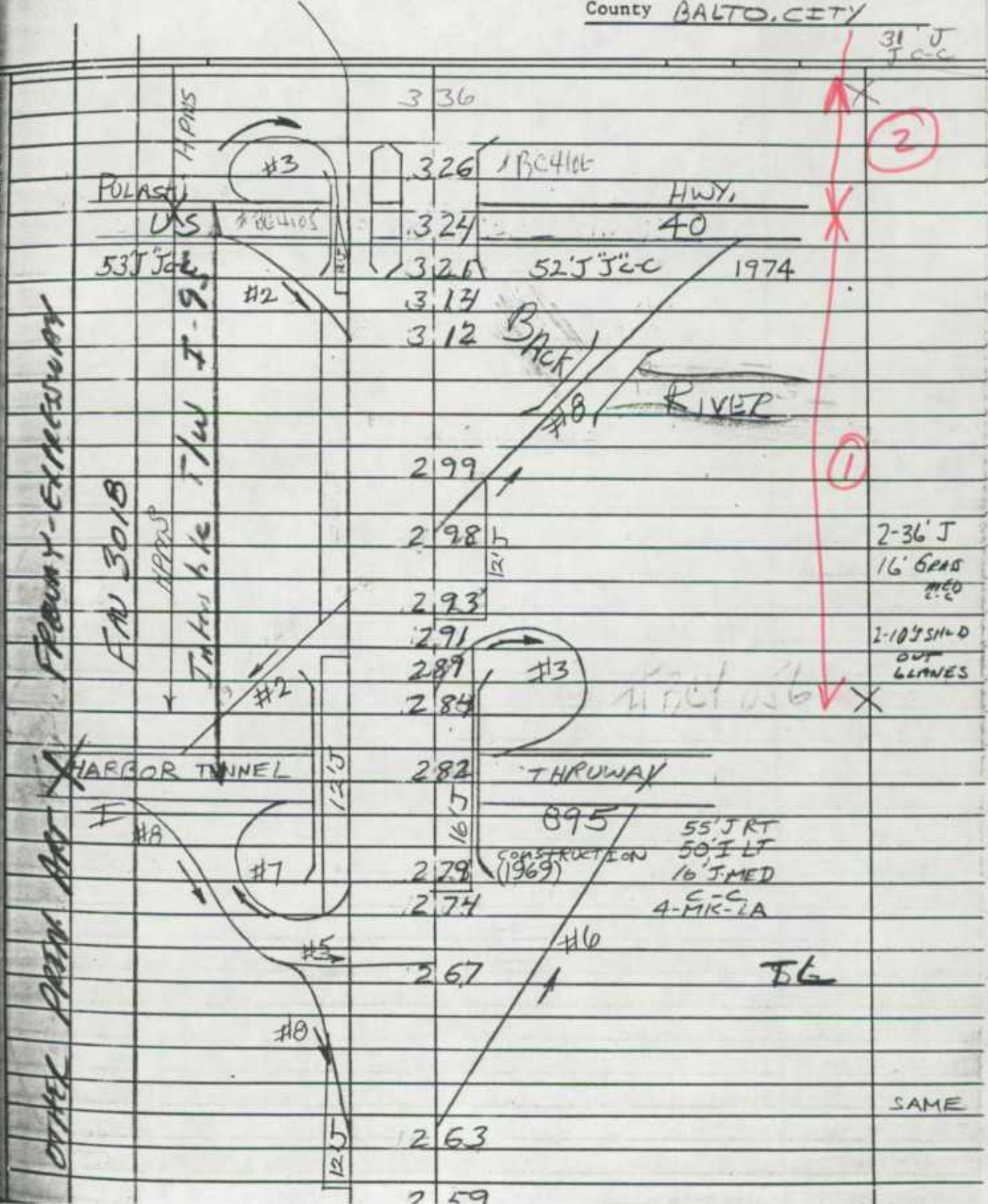
Handwritten mark resembling a stylized '1' or a flourish.

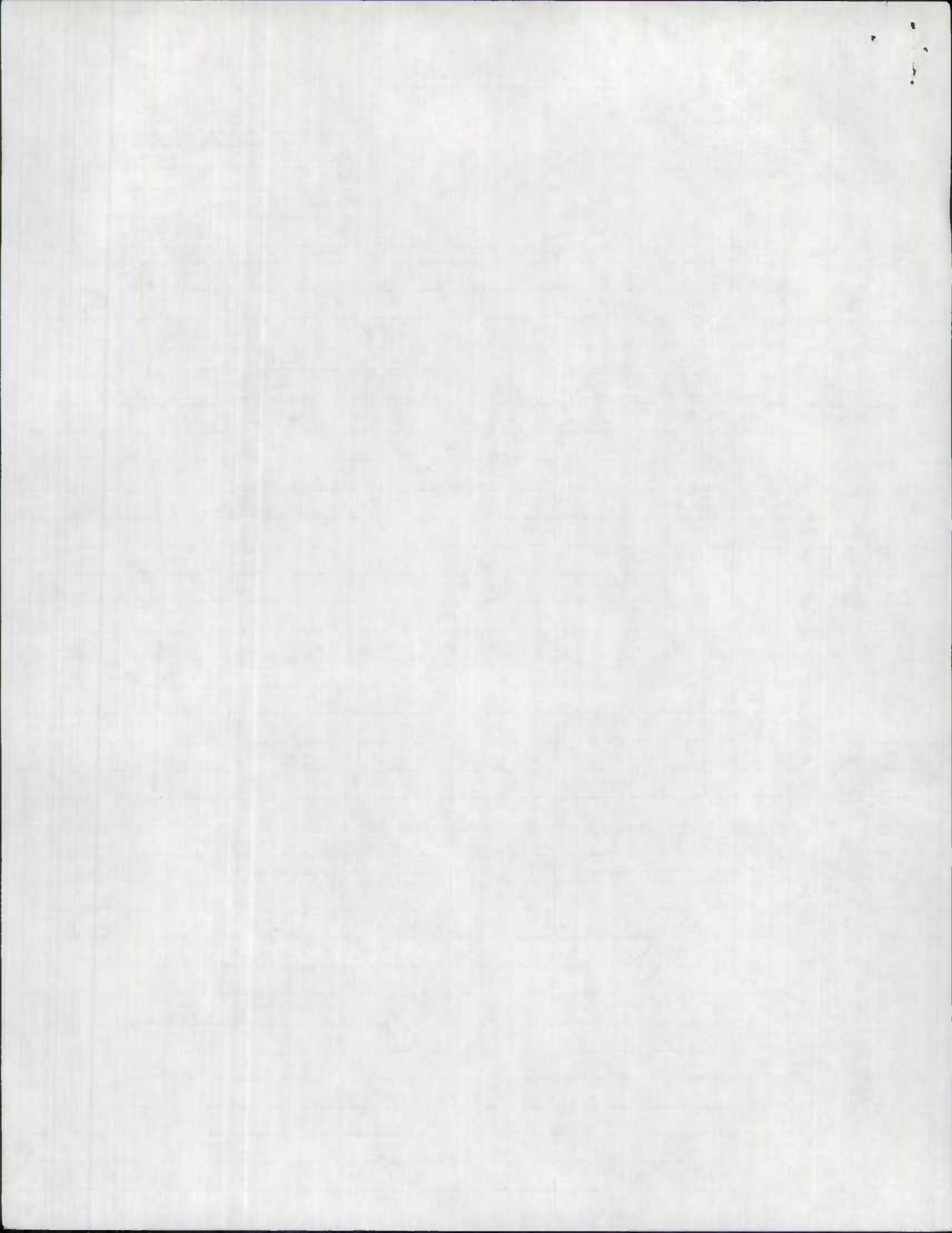
ROAD INVENTORY SHEET

1,2

Party Chief C FORREST
Recorder G GRAY
Chainman

Road No. MUN 55
Name MORAVIA ROAD
Sheet No. 2 OF 3
Date 2-4-69
County BALTO. CITY





ROAD INVENTORY SHEET

Party Chief C.F.
Recorder G.R.G.
Chairman

Road No. MU 101
Name CATON AVE
Sheet No. 1011
Date 3-22-68
County BALTO. CITY

D12B
845-515

HILTON ST
MU 1010
CATON AVE

OTHER PIONEER ACCT

S.G.

0.40

STAFFORD ST

STRICKLAND 0.30 STREET

Pluma.

0.21

2.2

14' Vert.
50' Horiz.

#PE 530 162P
CSX

3009

0.13

CHASE RUN

MADREN'S

FAU

44'
C-C
4 ML

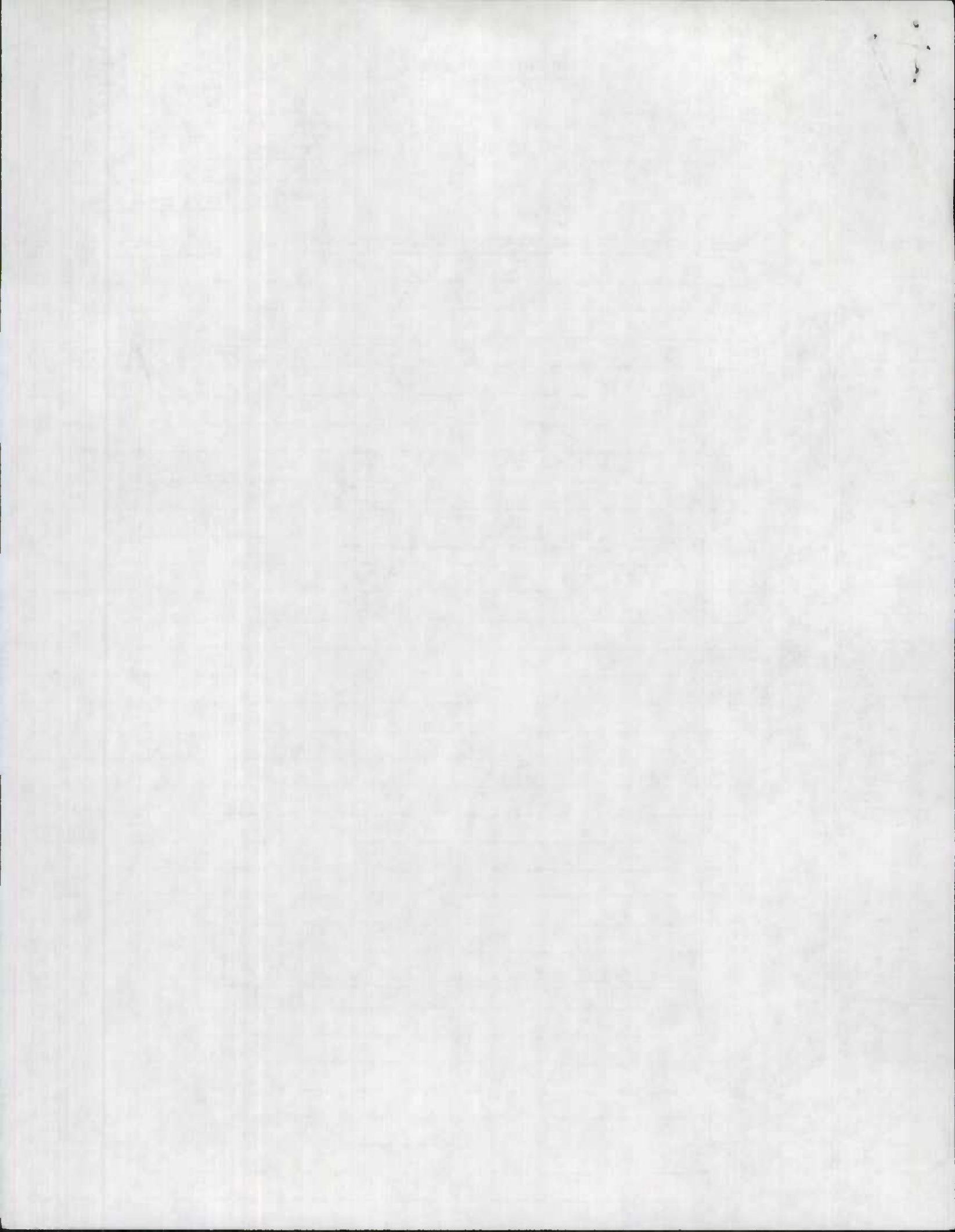
WILKENS AVE

U.S.

9.00

1

CATON AVE
ALT U.S. 2

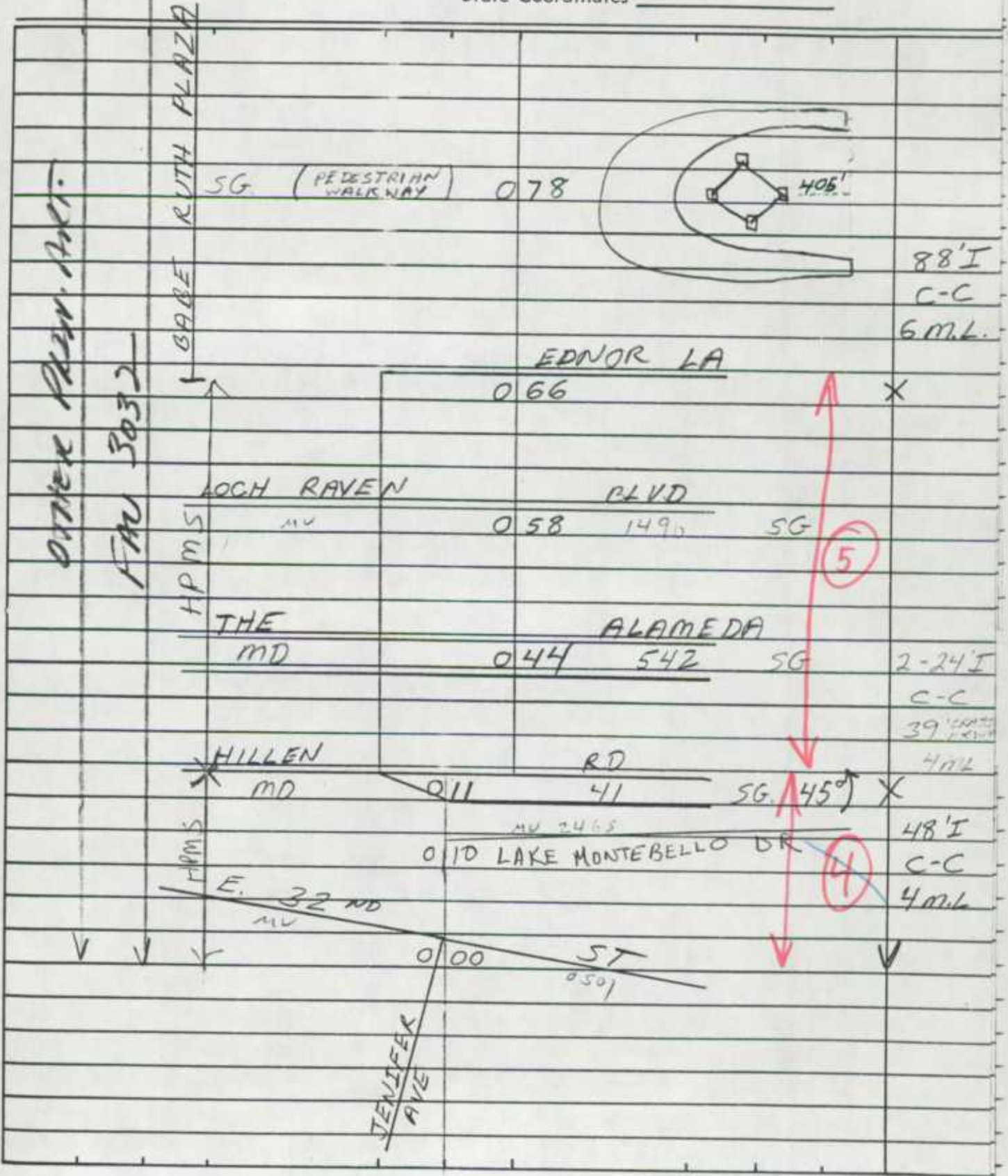


ROAD INVENTORY SHEET

Party Chief _____
Recorder _____
Helper _____

Road No. MUN 500
Road Name E 33RD ST
Sheet No. 1 OF 2
Date _____
County _____
State Coordinates _____

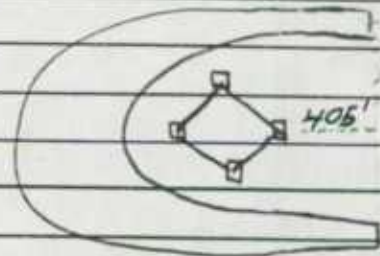
Map No. CBC / C12 6



OTHER PLAN. APT.
FAU 3032

GABE RUTH PLAZA

SG. (PEDESTRIAN WALKWAY) 078



88' I
C-C
6 m.l.

EDNOR LA

066

LOGH RAVEN

PLVD

058

1490

SG

5

THE
MD

ALAMEDA

044

542

SG

2-24' I
C-C
39' I

HILLEN
MD

RD

011

41

SG

45°

48' I

OLD LAKE MONTEBELLO DR

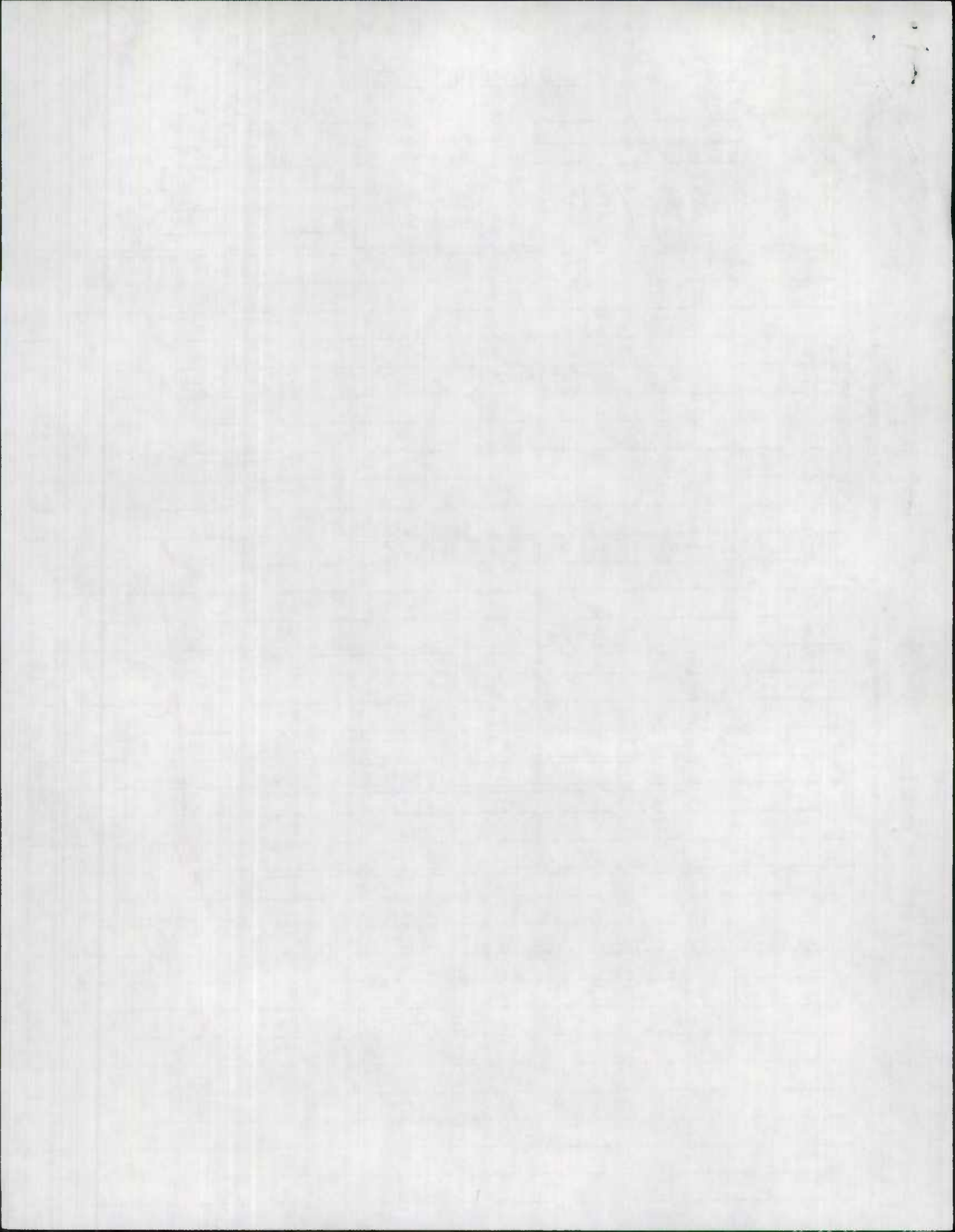
4

E. 32 RD
MV

000

501 ST

JENIFER AVE



6

ROAD INVENTORY SHEET

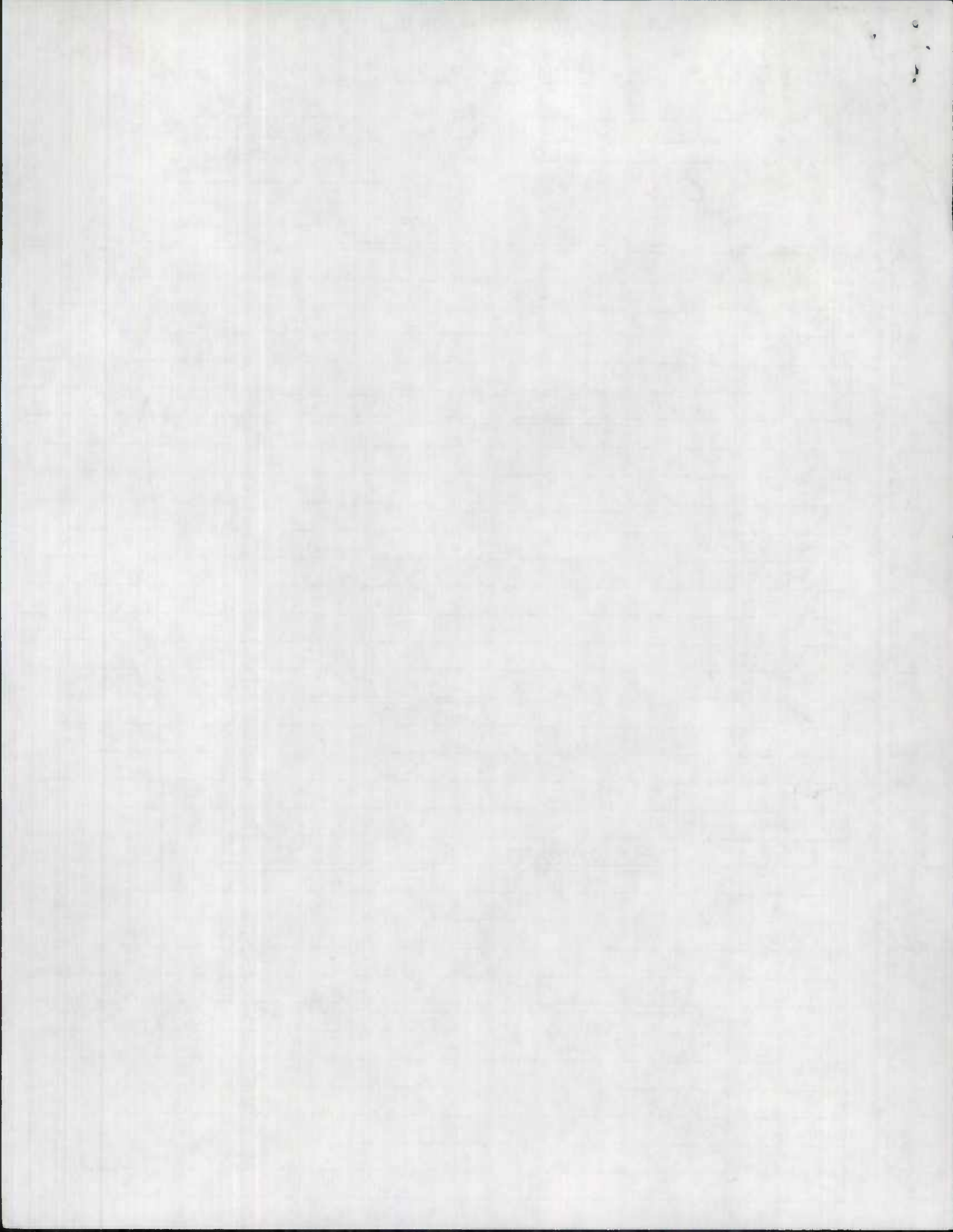
E 33RD ST
MU 500

Party Chief _____
Recorder _____
Helper _____

Road No. _____
Road Name BADE RUTH PLAZA
Sheet No. 2 OF 2
Date _____
County _____
State Coordinates _____

Map No. C 12

OTHER PLAN AXIS FAU 3032 HPMS E 33RD ST	CHARLES MD	165	ST	SG	55' I C-C 4 M.L.
	ST PAUL MD MU	156	ST	SG	X
	ALVERT MU →	150	ST	SG	UNION MEMORIAL 146 HOSPT.
	CARCLAY MERRYMAN LA	130	ST	SG	UNIVERSITY MU 2260 PRWY
	GREENMONT MD	120	AVE	SG	2-24' I C-C 39' GRASS PRWY
	ELLERSLIE MU	089	AVE	SG	4 M.L. X
					SAME



ROAD INVENTORY SHEET

7

Survey Chief C FORREST
Recorder G GRAY
Chairman G GALLOP

Road No. mun 696
Name TAYLOR AVE
Sheet No. 1 of 1
Date 3/7/69
County BALTO CITY

C 130 750 500

lined as a
struction,
for carry-
along the
itents
ole boxes
1 half of

icable. For
luding
ition, and
ad by arrow

wise the
of road.

eam, Rigid
ions
cle X,

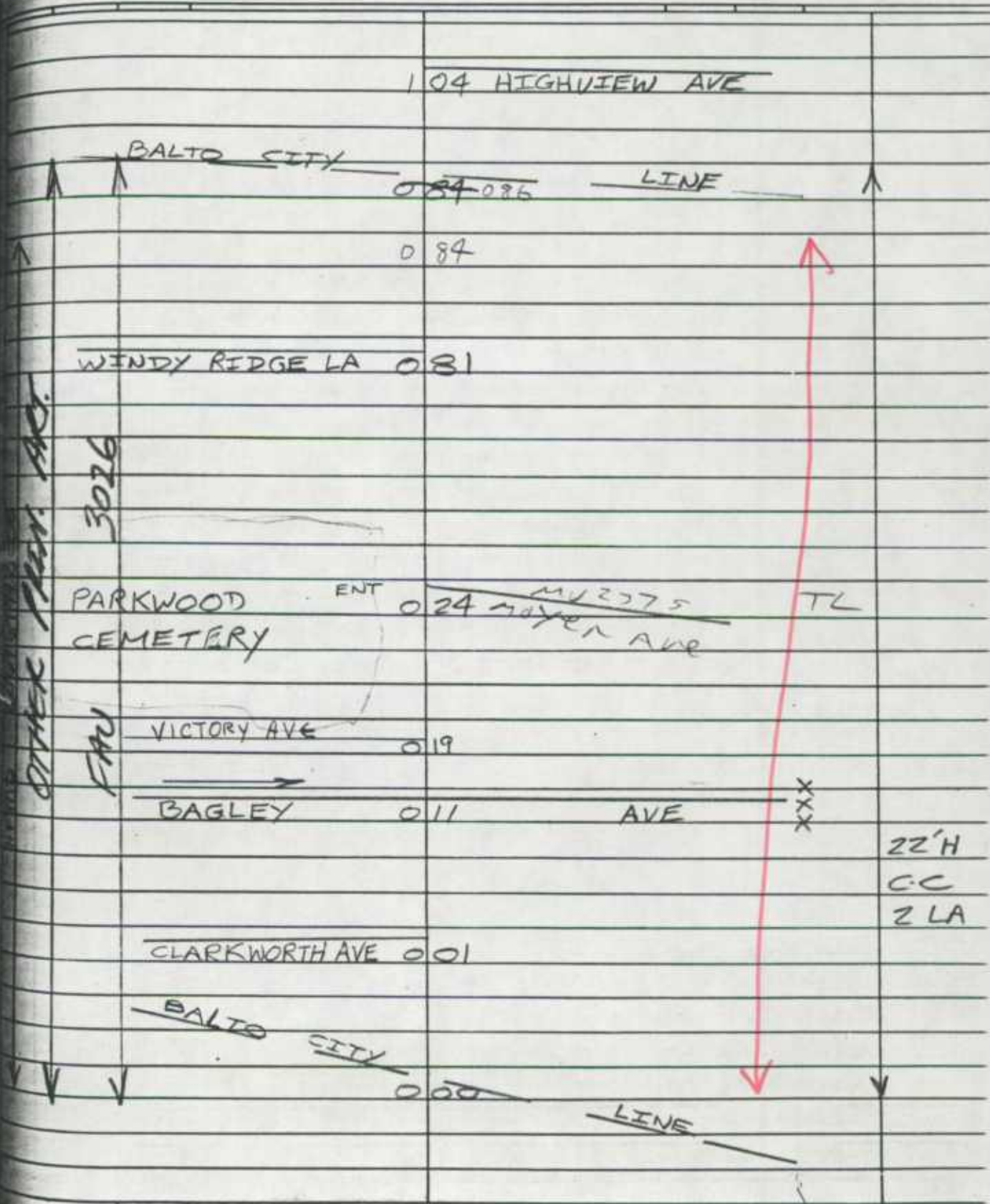
measured
in no

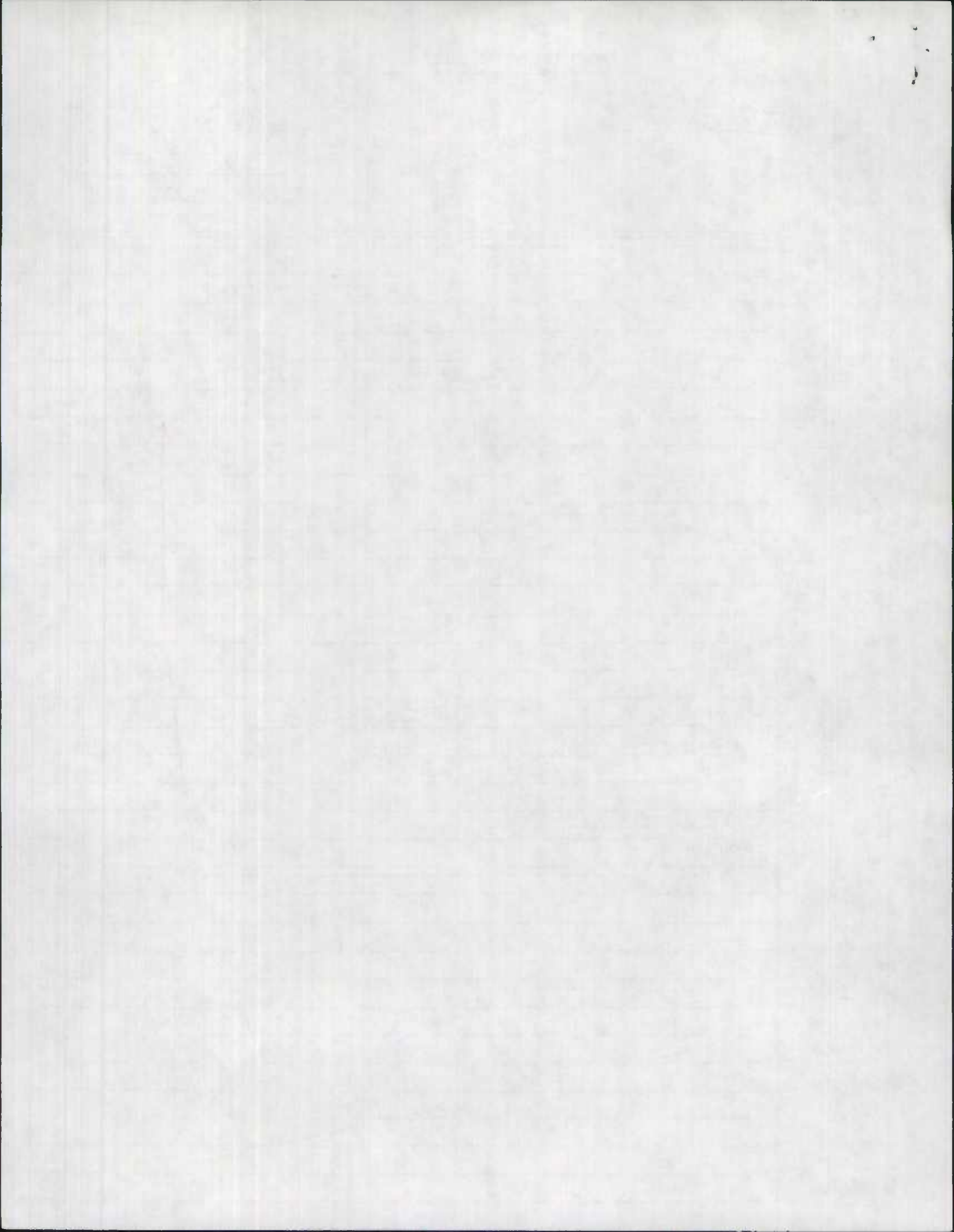
a separated
Special

ement shall

4 HPS.

achment may





SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

DT, 6 D
(38-1)

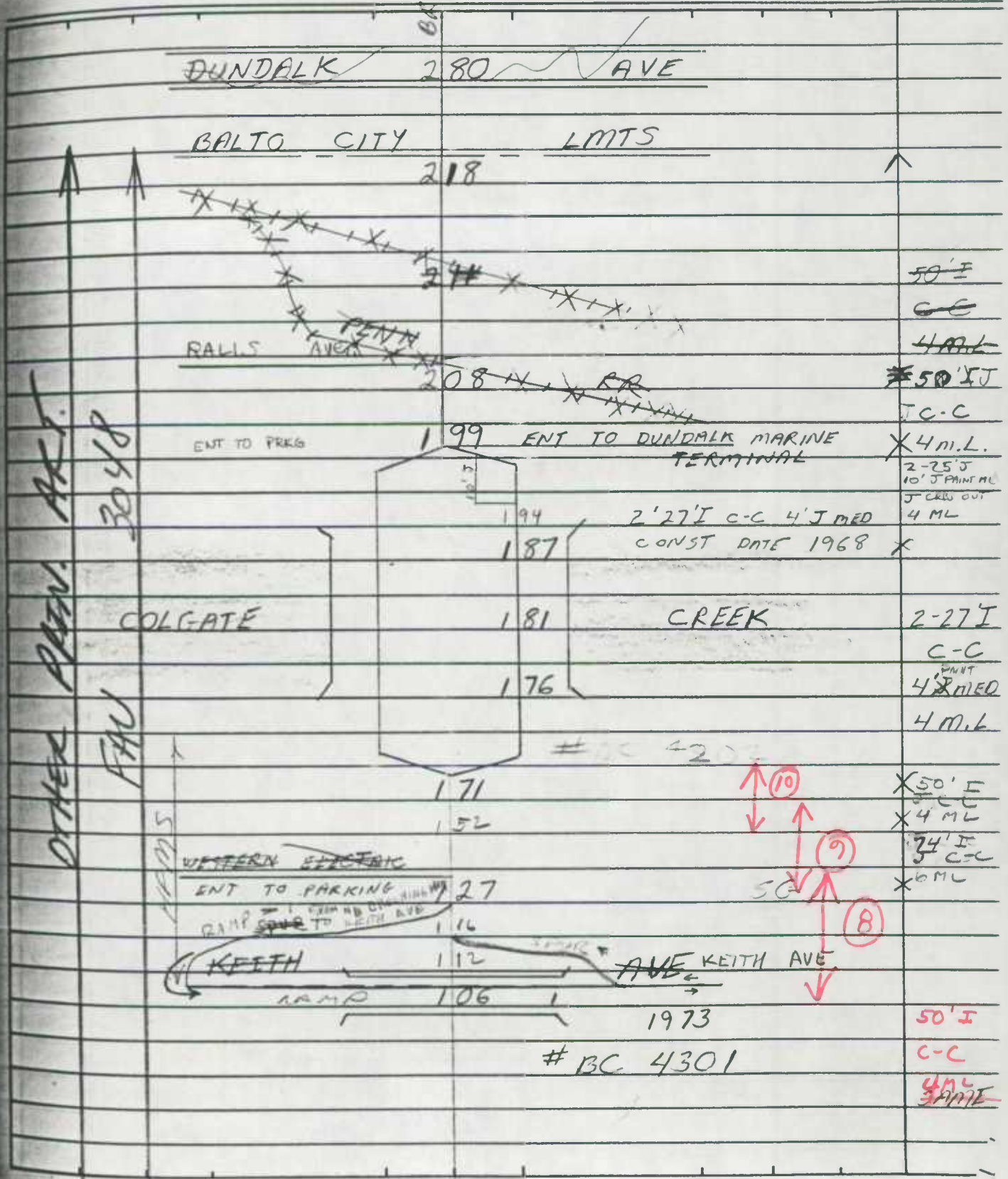
8,9,10

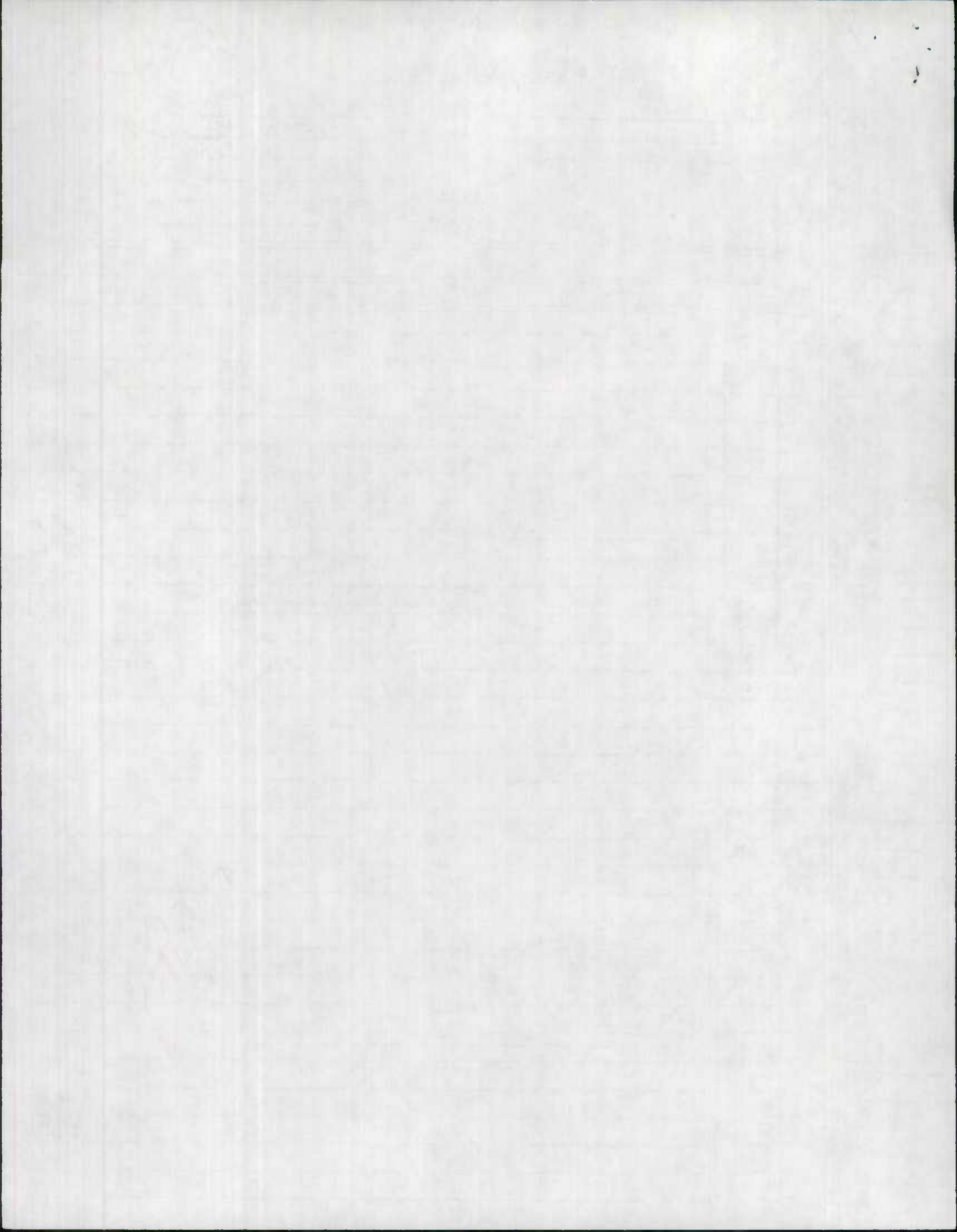
ROAD INVENTORY SHEET

Party Chief _____
Recorder _____
Helper _____

Road No. MUN 908
Road Name BROENING HWY
Sheet No. 2 OF 2
Date _____
County _____
State Coordinates _____

Map No. 117





SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

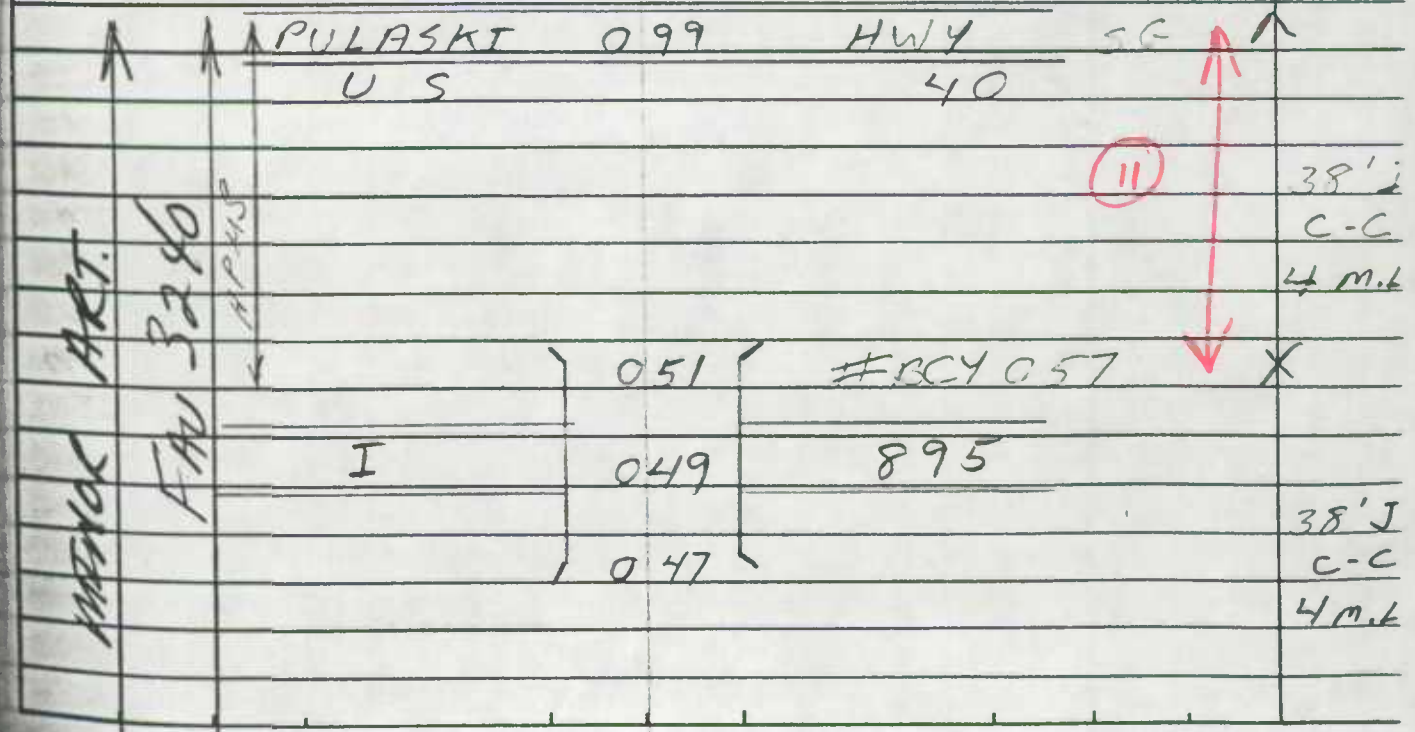
11

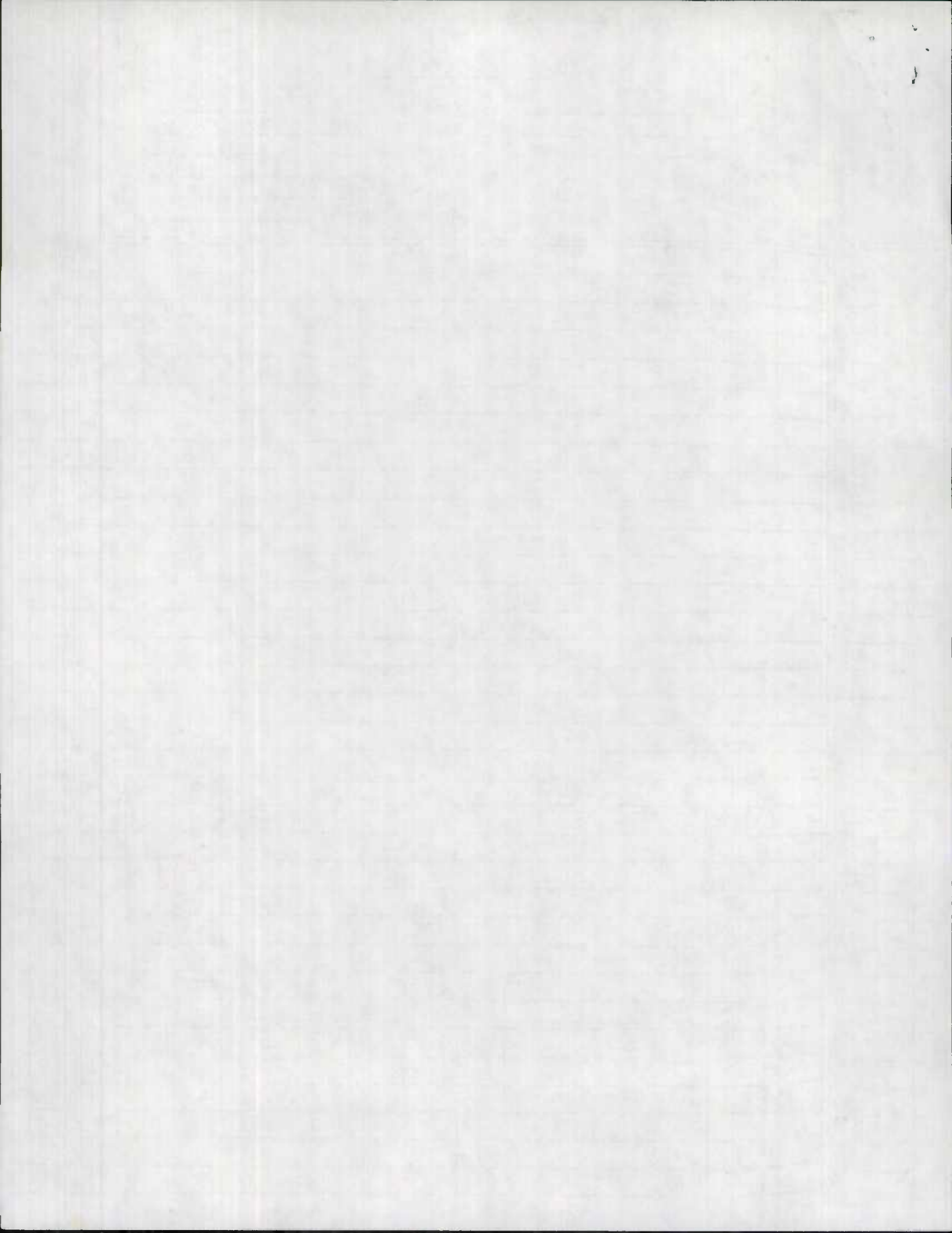
ROAD INVENTORY SHEET

Party Chief _____
Recorder _____
Helper _____

Road No. MUN 1020
Road Name MORAVIA PARK DR
Sheet No. 2 OF 2
Date _____
County _____
State Coordinates _____

Map No. _____

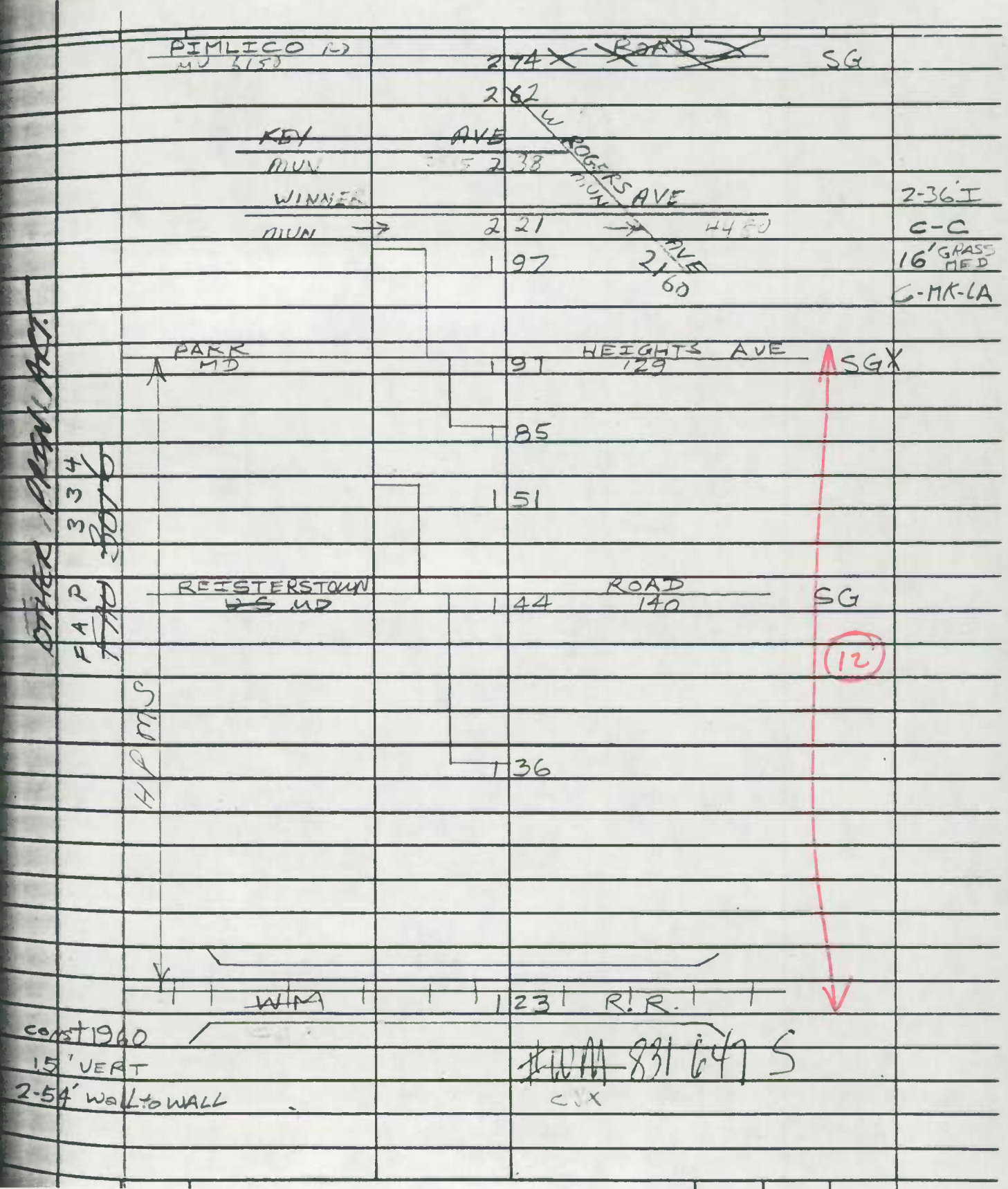




ROAD INVENTORY SHEET

PARTY CHIEF Frederick Sertan C.F.
 RECORDER Thomas Landon C.G.
 CHAINMAN _____

ROAD NO. MU 1022
 NAME NORTHERN PKWY
 SHEET NO. 2 of 8
 DATE 3-26-68
 COUNTY BALTO CITY



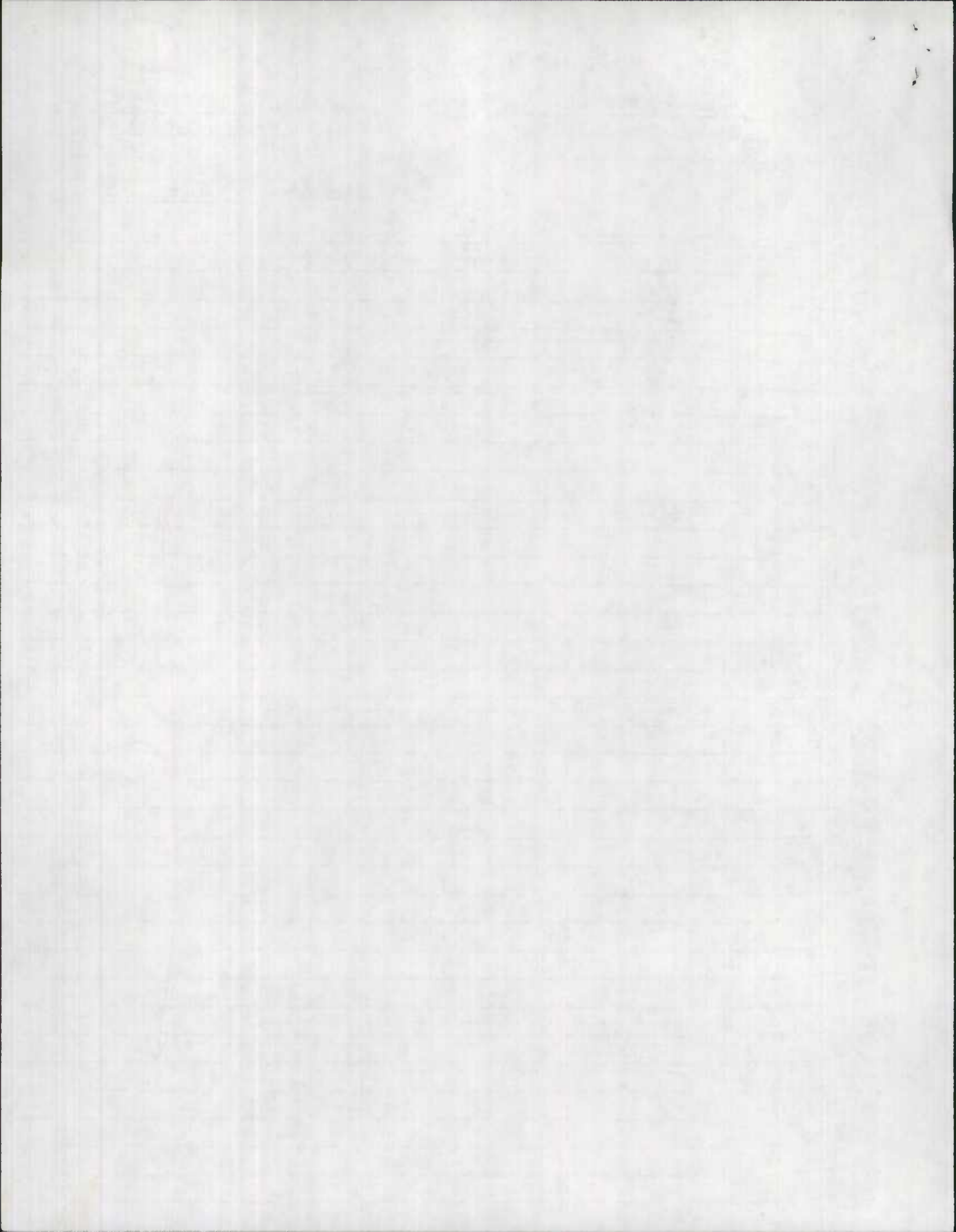
OTHER PAPER PLOT

4
3
3
P
F
T

H P M S

const 1960
 15' VERT
 2-54' WALL TO WALL

#WMA 831 649 S
 C.V.



ROAD INVENTORY SHEET

Party Chief M. ZALENSKI
Recorder C. MARTIN
Helper _____

Road No. MUN 1023
Road Name GWYNN'S FALLS PKWY
Sheet No. 1 OF 2
Date _____
County _____
State Coordinates 297-540

Map No. D 122

ART
MINOR
FAU
COLLECTOR

3158

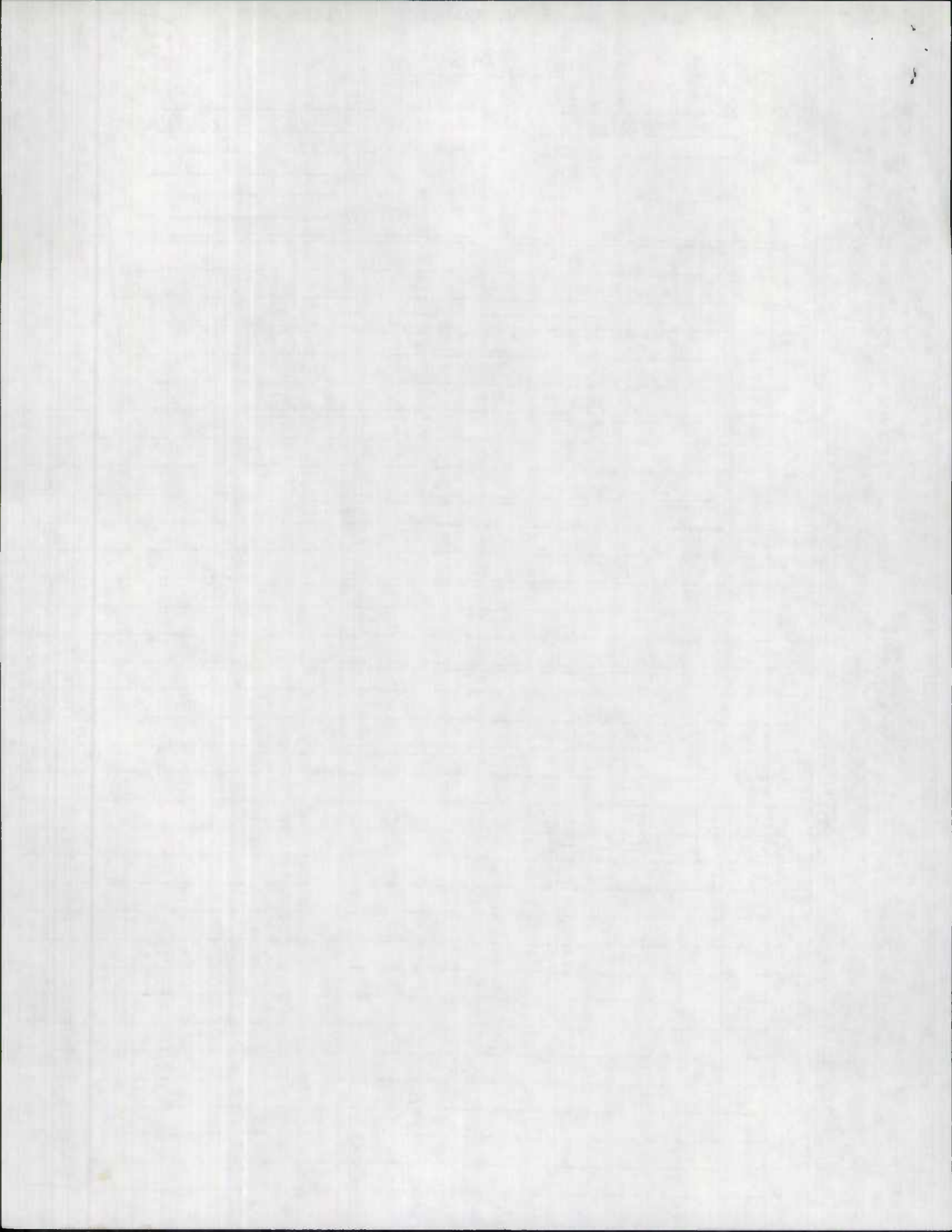
	14' VERT				
	2-40' W-W HORT			# BC 2210	
	WM		1.32'	# 231 538 T	
	BRM 54 AVE NO 2042		1.20	RR. CSX	
	N. DUKELAND			ST	
	MU		1.06	2050	SG
	LONGWOOD			ST	
	MU		0.87	2160	SG
	HILTON			ST	
	MU		0.62	2880	SG
	GARRISON			BLVD	
	MU		0.41	2120	SG
	CHELSEA			TERR	
			0.16		
	WINDSOR			MILL RD	
	MU		0.05	2090	
	LYNDHURST				
	MU				
			0.00		
				3070 AVE	

14

13

2-26
38' GRA
PKI
C-C

40' I
C-C



11-15-72

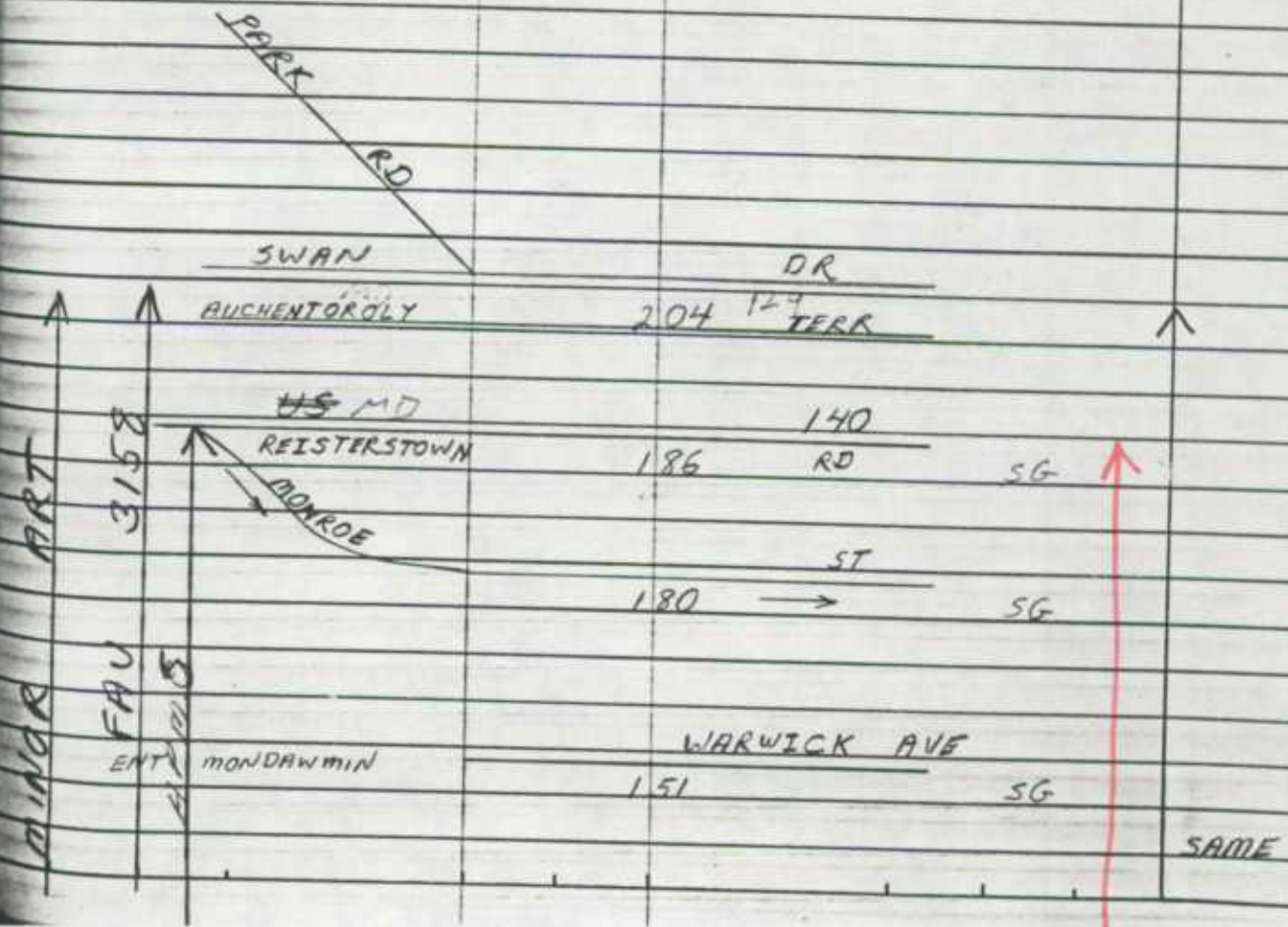
ROAD INVENTORY SHEET

14

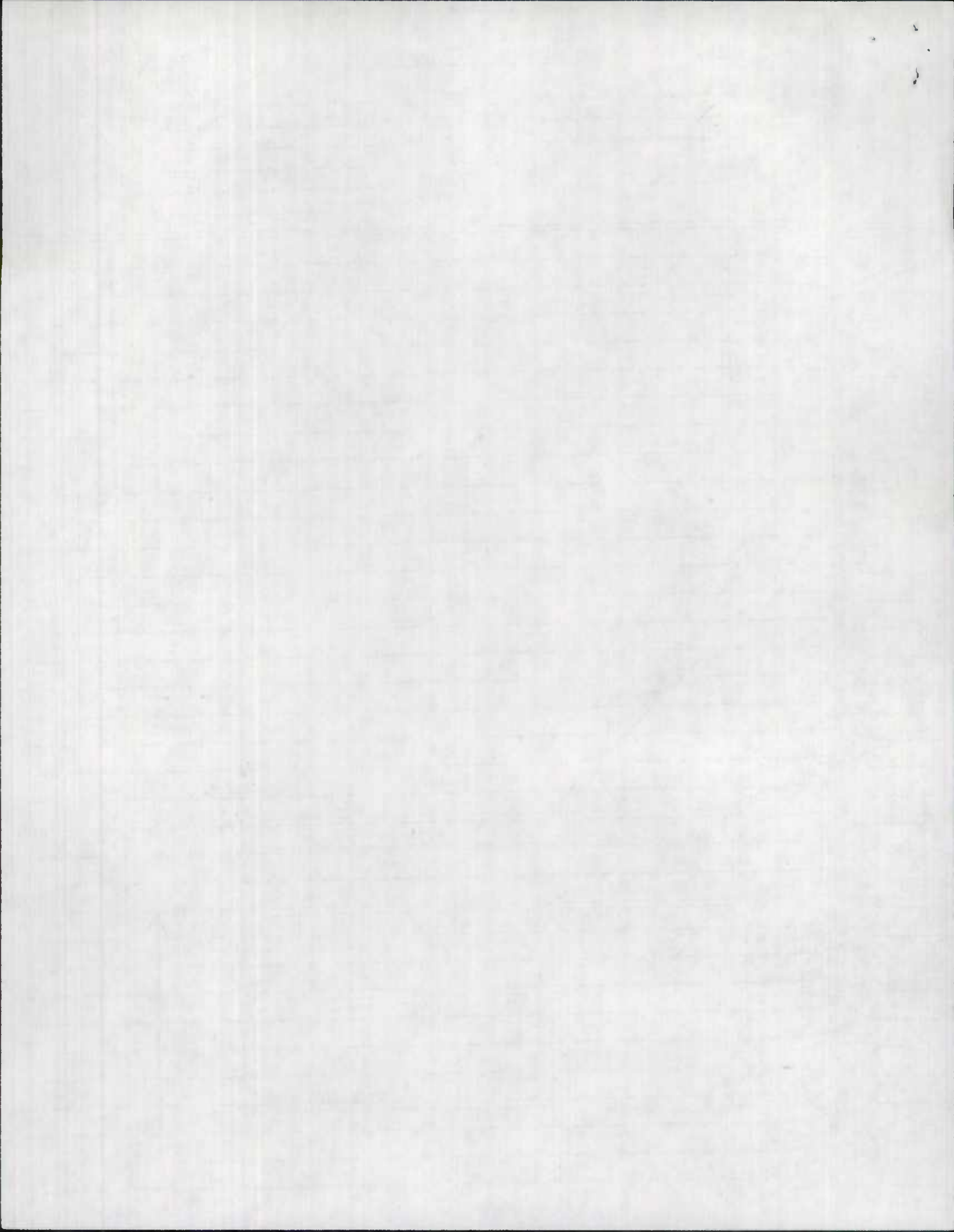
Party Chief M. ZALENSKI
Recorder C. MARTIN
Helper _____

Road No. MUN 1023
Road Name GWYNN'S FALLS PKWY
Sheet No. 2 OF 2
Date _____
County _____
State Coordinates _____

Map No. _____



SAME



SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

15

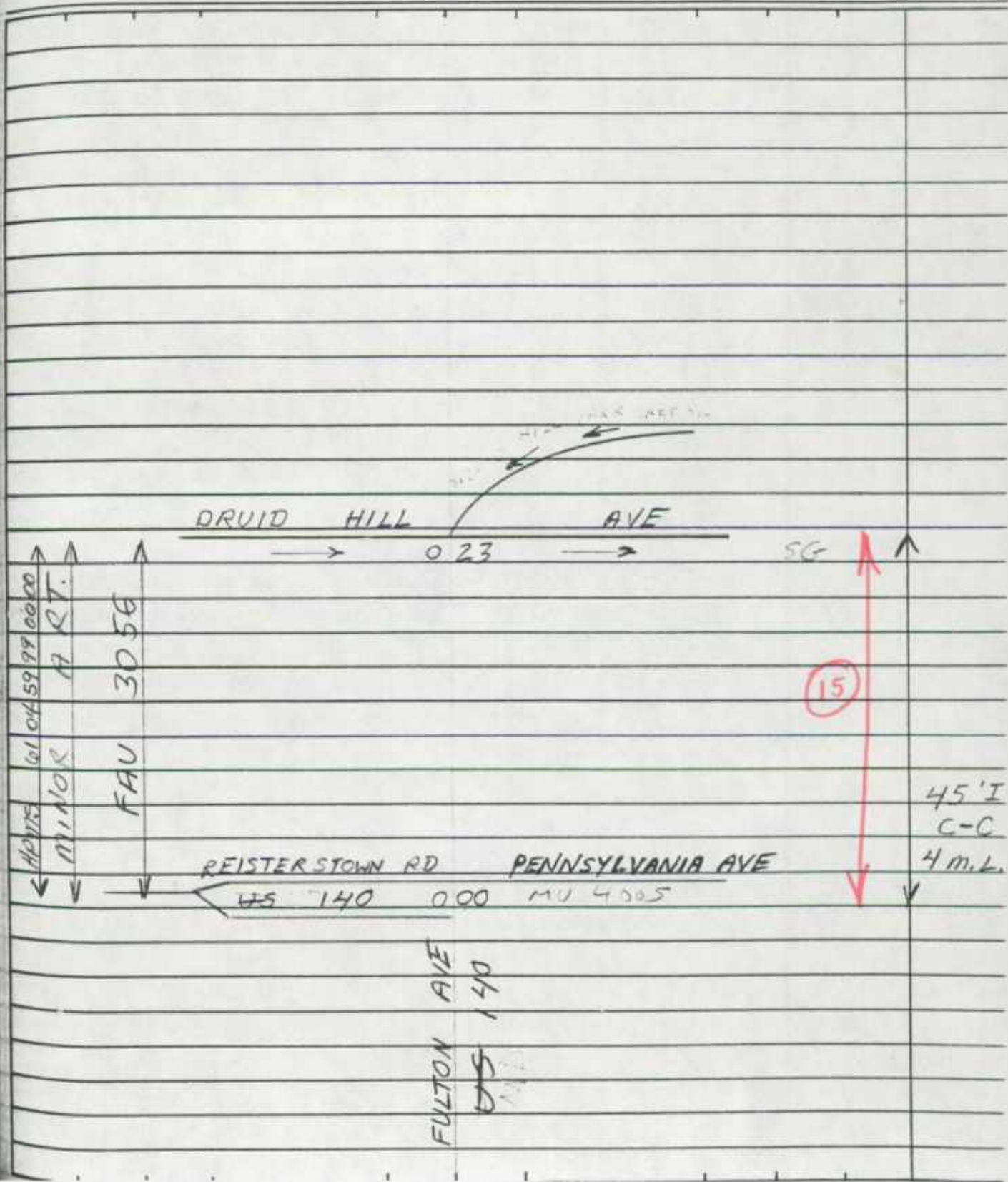
ROAD INVENTORY SHEET

Party Chief _____
Recorder _____
Helper _____

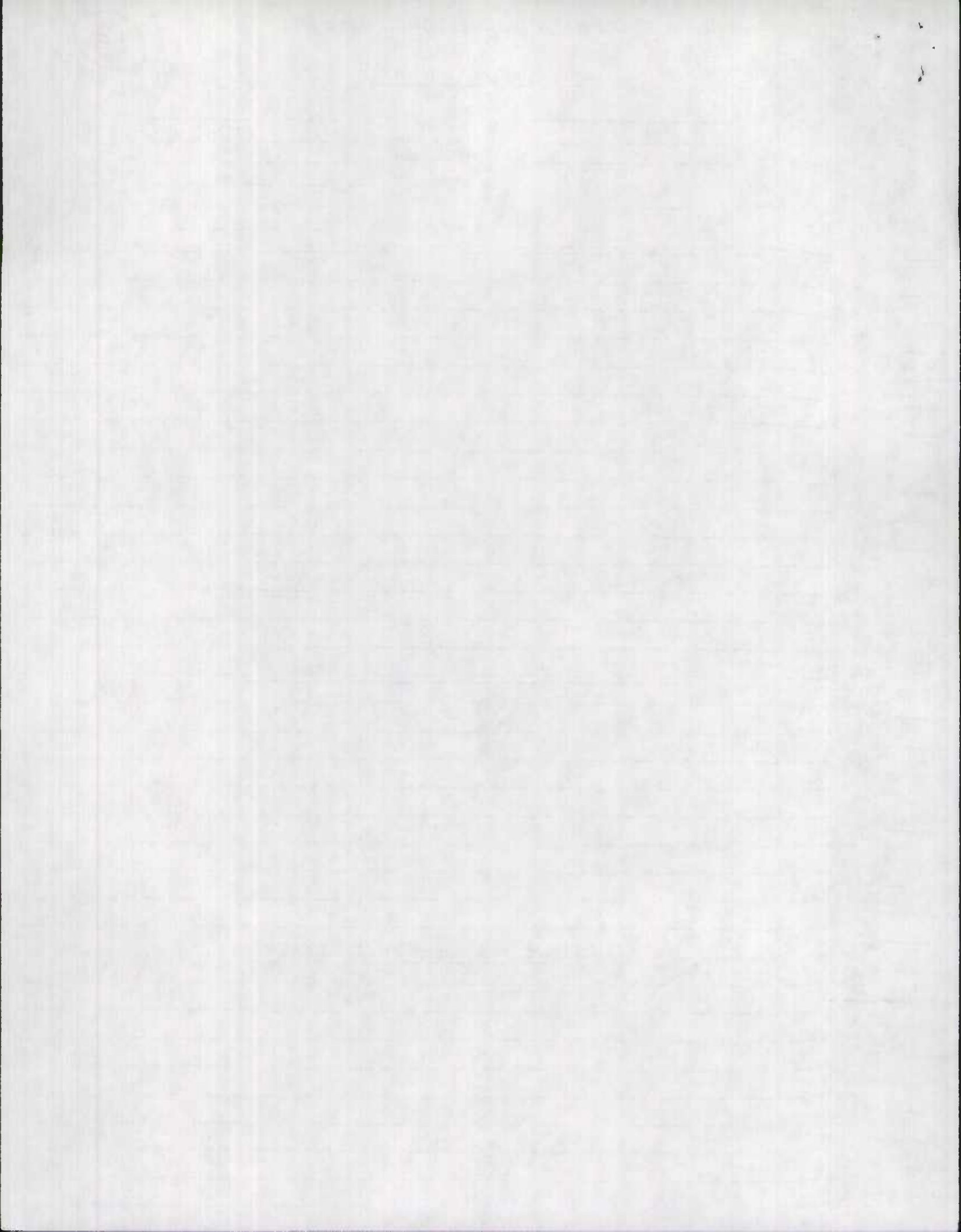
Road No. MUN 1045
Road Name N. FULTON AVE
Sheet No. 1 OF 1
Date _____
County _____
State Coordinates _____

Map No. _____

29 I
C-C
2 mi



SAME

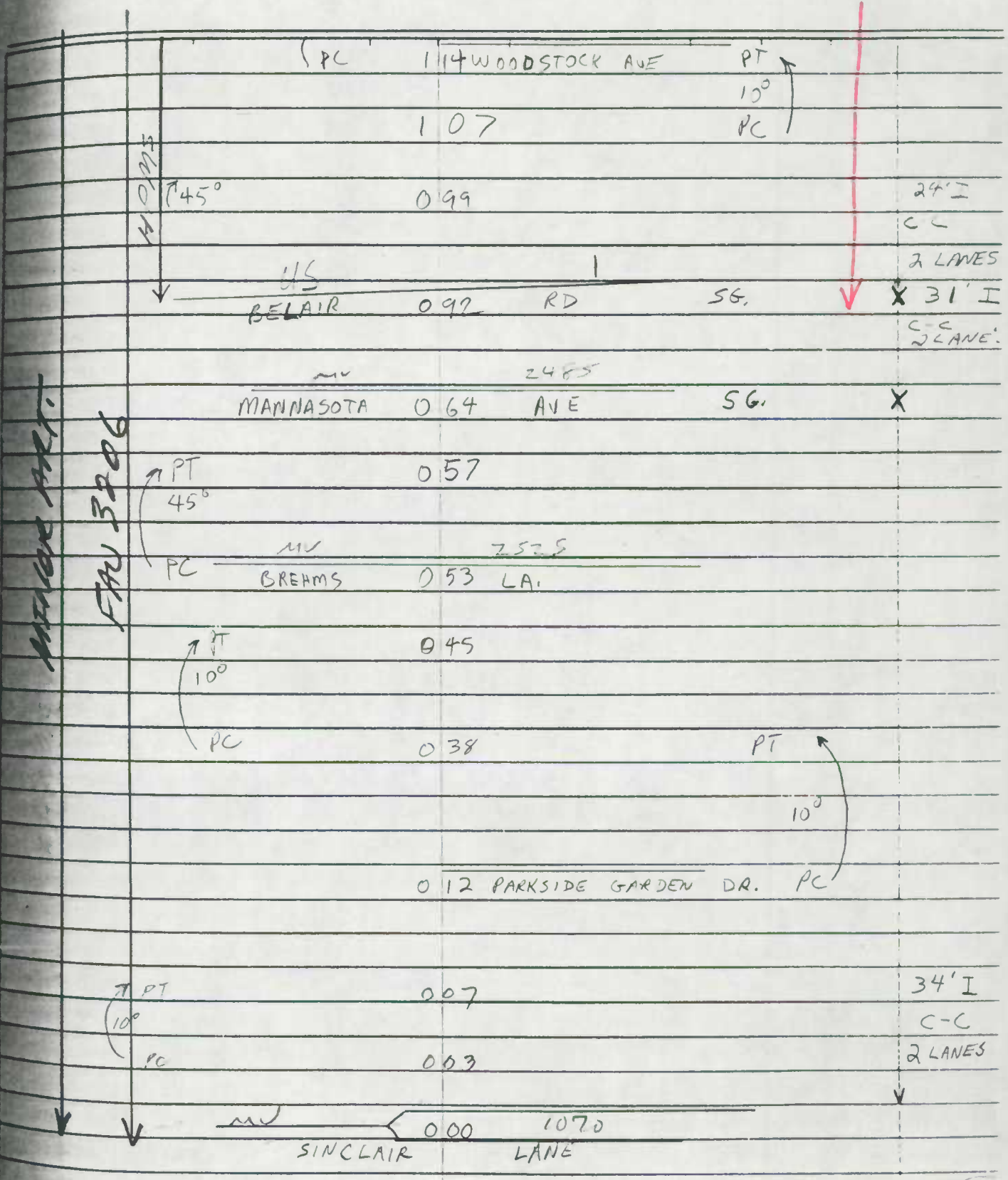


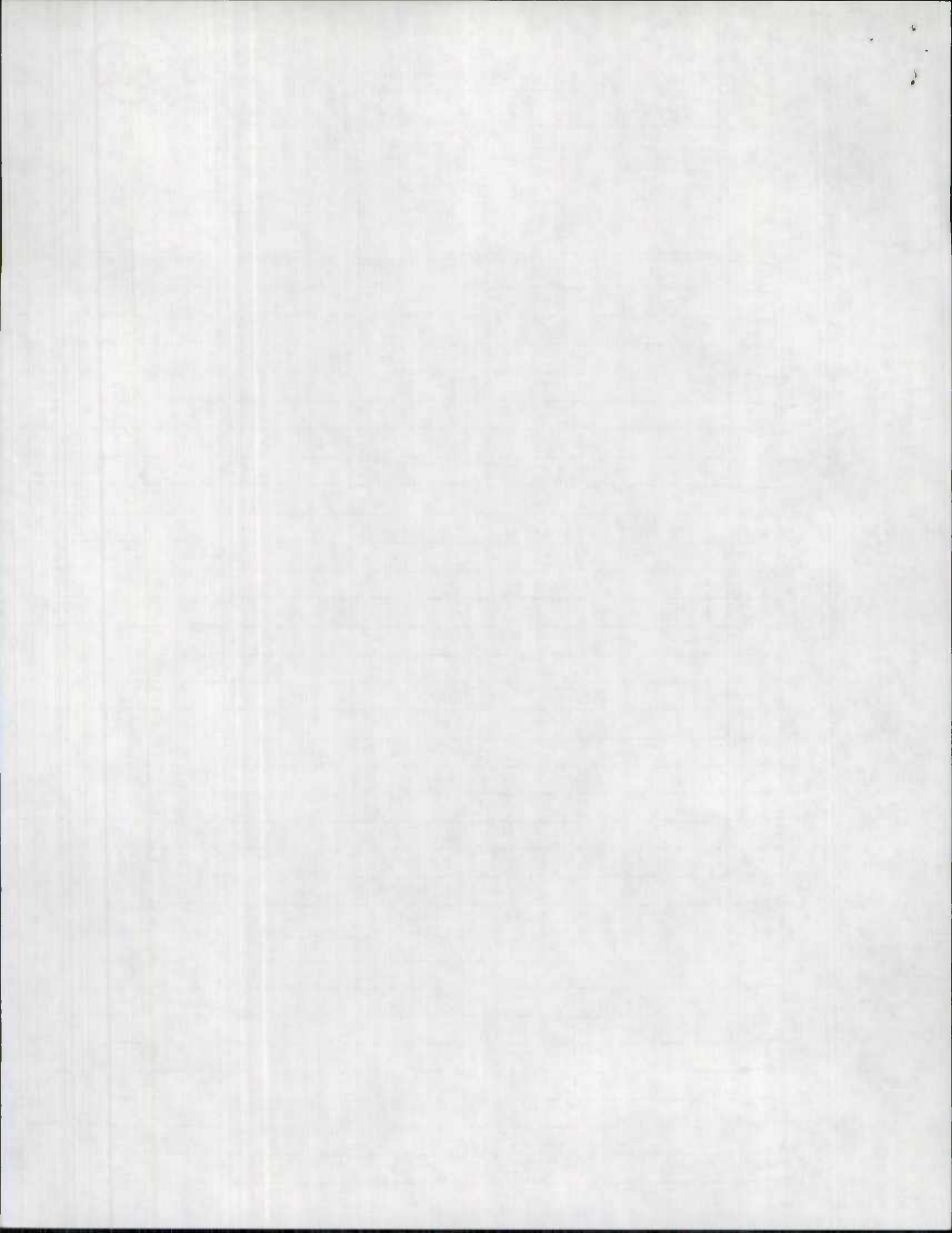
BMATS
ROAD INVENTORY SHEET

16

Party Chief D. BOCHENER
Recorder M. BAXTER
Helper C. MARTIN

Road No. MV 1100
Road Name PARKSIDE DR.
Sheet No. 1 OF 2
Date 9-26-72
County BALTO. CITY

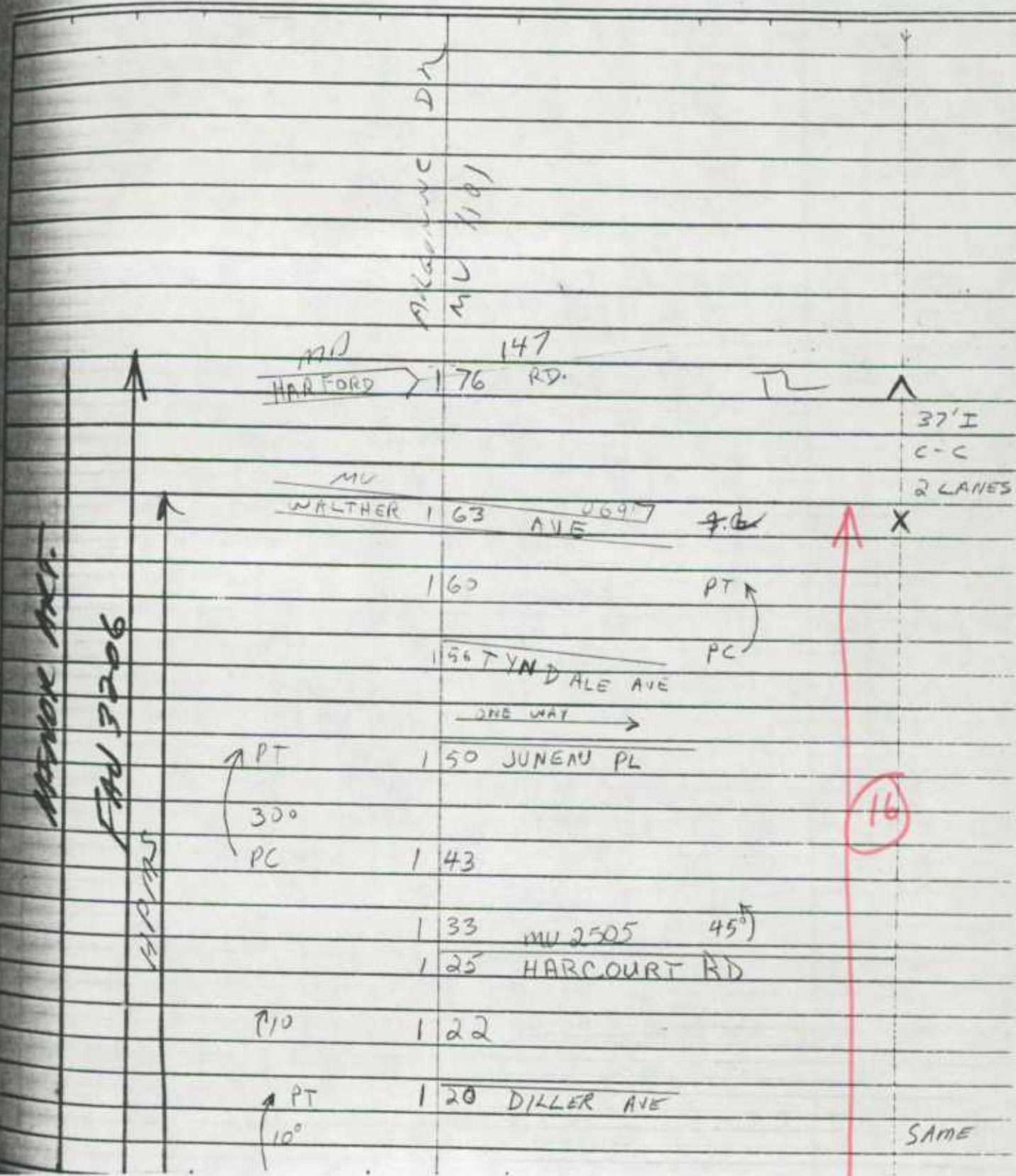


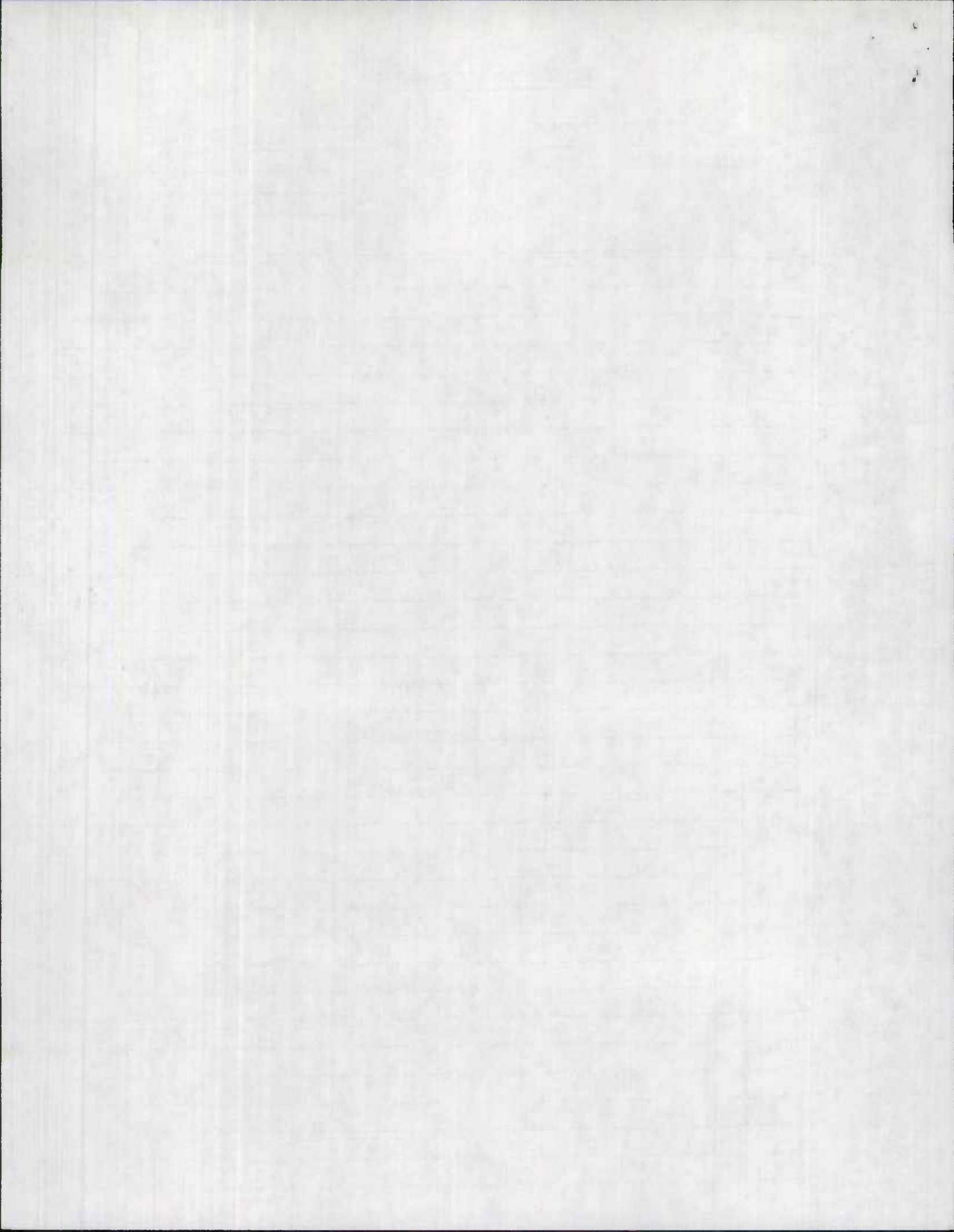


ROAD INVENTORY SHEET

Party Chief D. BOCHENER
 Recorder M. BAXTER
 Helper C. MARTIN

Road No. MV 1100
 Road Name PARKSIDE DR.
 Sheet No. 2 OF 2
 Date 9-26-72
 County BALTO. CITY



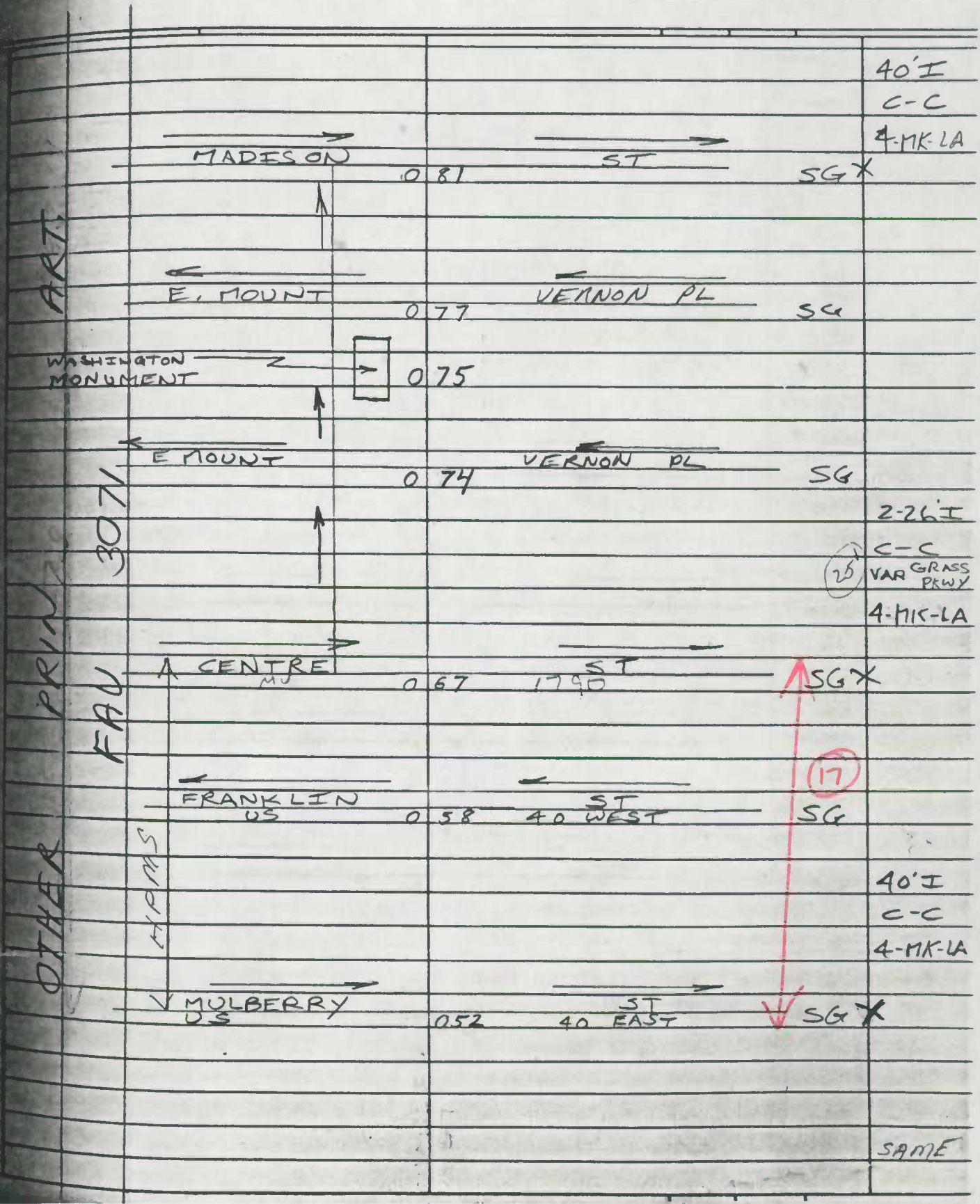


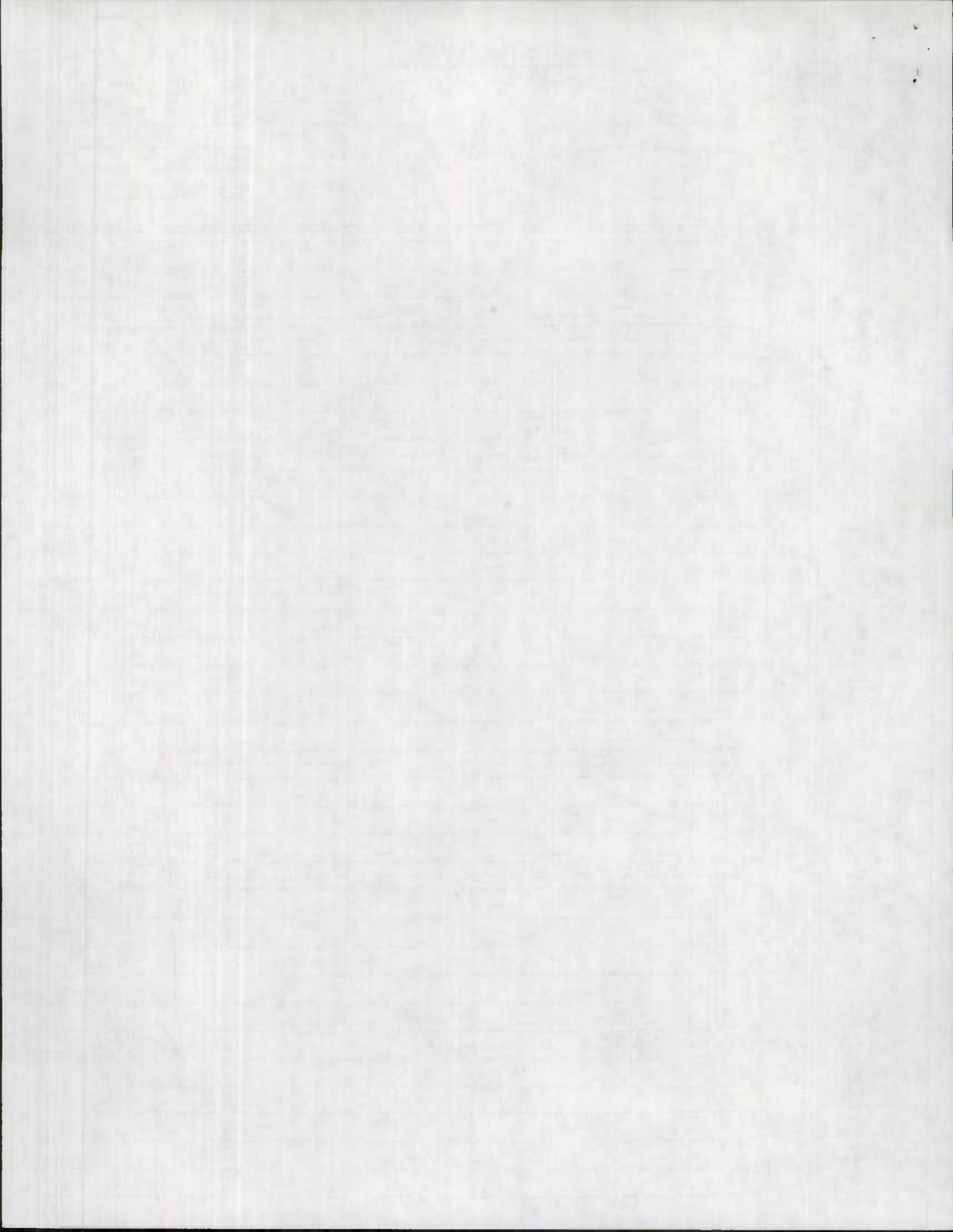
ROAD INVENTORY SHEET

CITY OF BALTO
ST PAUL
CLARK STS
(17)

City Chief C FORREST
Recorder G GRAY
Chairman _____

Road No. MUN 1125
Name CHARLES ST
Sheet No. 2 OF 4
Date 4-3-68
County BALTO CITY





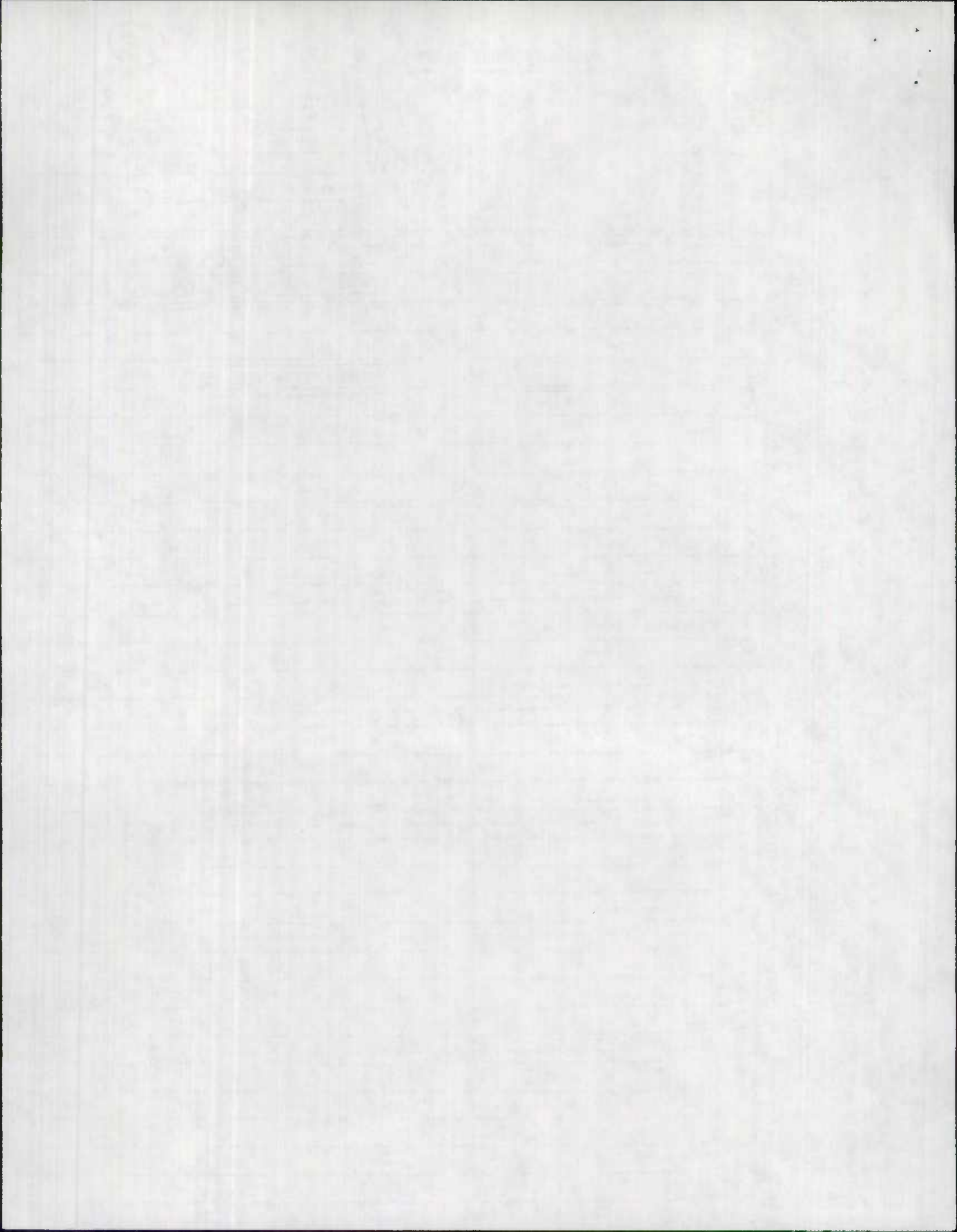
ROAD INVENTORY SHEET

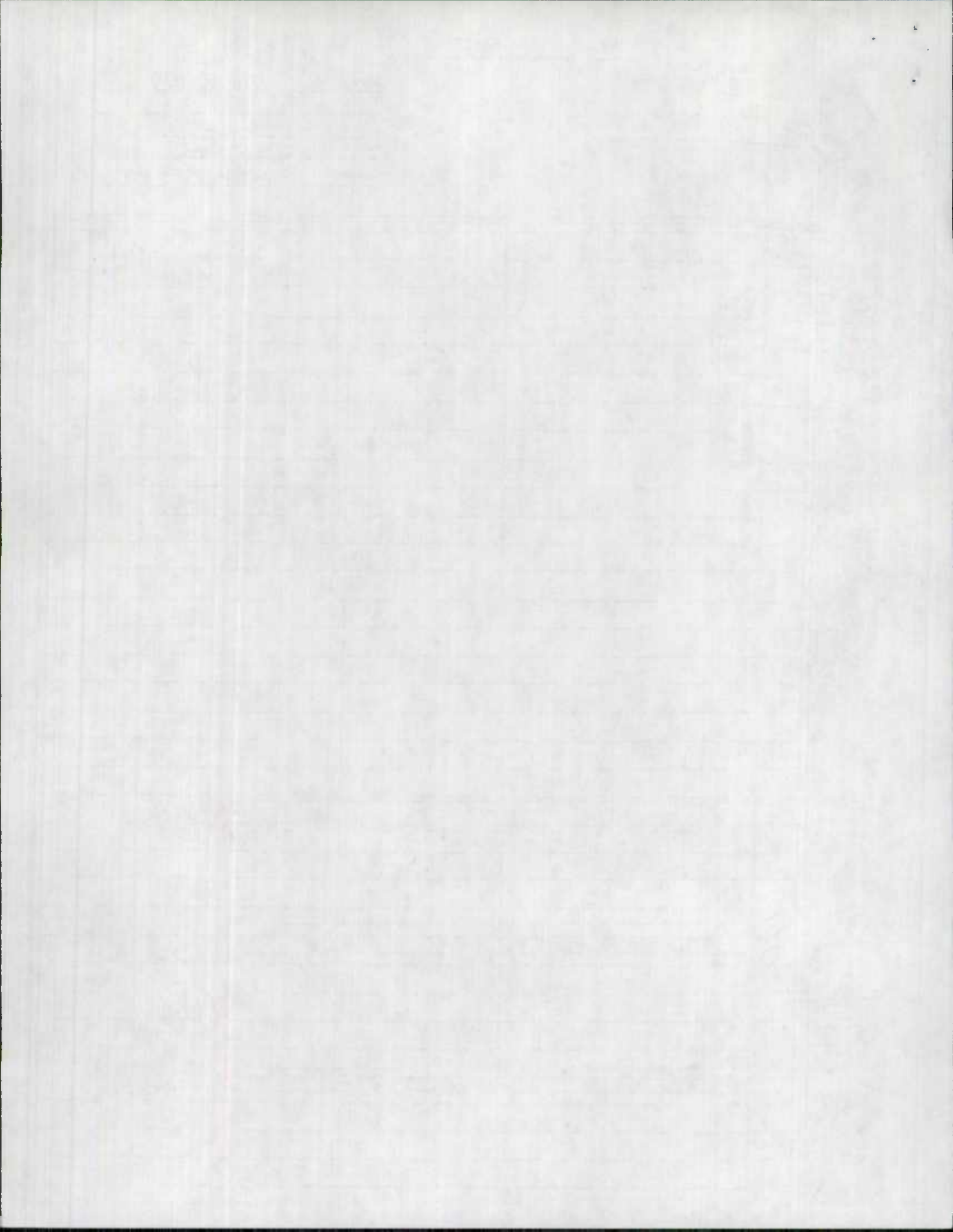
18

Party Chief C FORREST
 Recorder G GRAY
 Chairman _____

Road No. MUN-1125
 Name CHARLES ST
 Sheet No. 3 OF 4
 Date 4-3-68
 County BALTO CITY

		1.52			
		1.50	ATK #10 50 833 L ? TRACKS PENN STA 2-TRACKS		
		1.42			
		1.40	FALLS EXP-83		
		1.38	# BC 1206		
OTHER RAIN ART. 3071 FAV		1.31	MT ROYAL AVE MV 1780	SG	
		1.24	PRESTON ST MV 0933	SG	
		1.17	BIDDLE ST MV 4072	SG	
		1.10	CHASE ST MV 1331	SG	
		1.00	EAGER ST MV 1662	SG	
					SAME
		0.90	READ ST	SG	



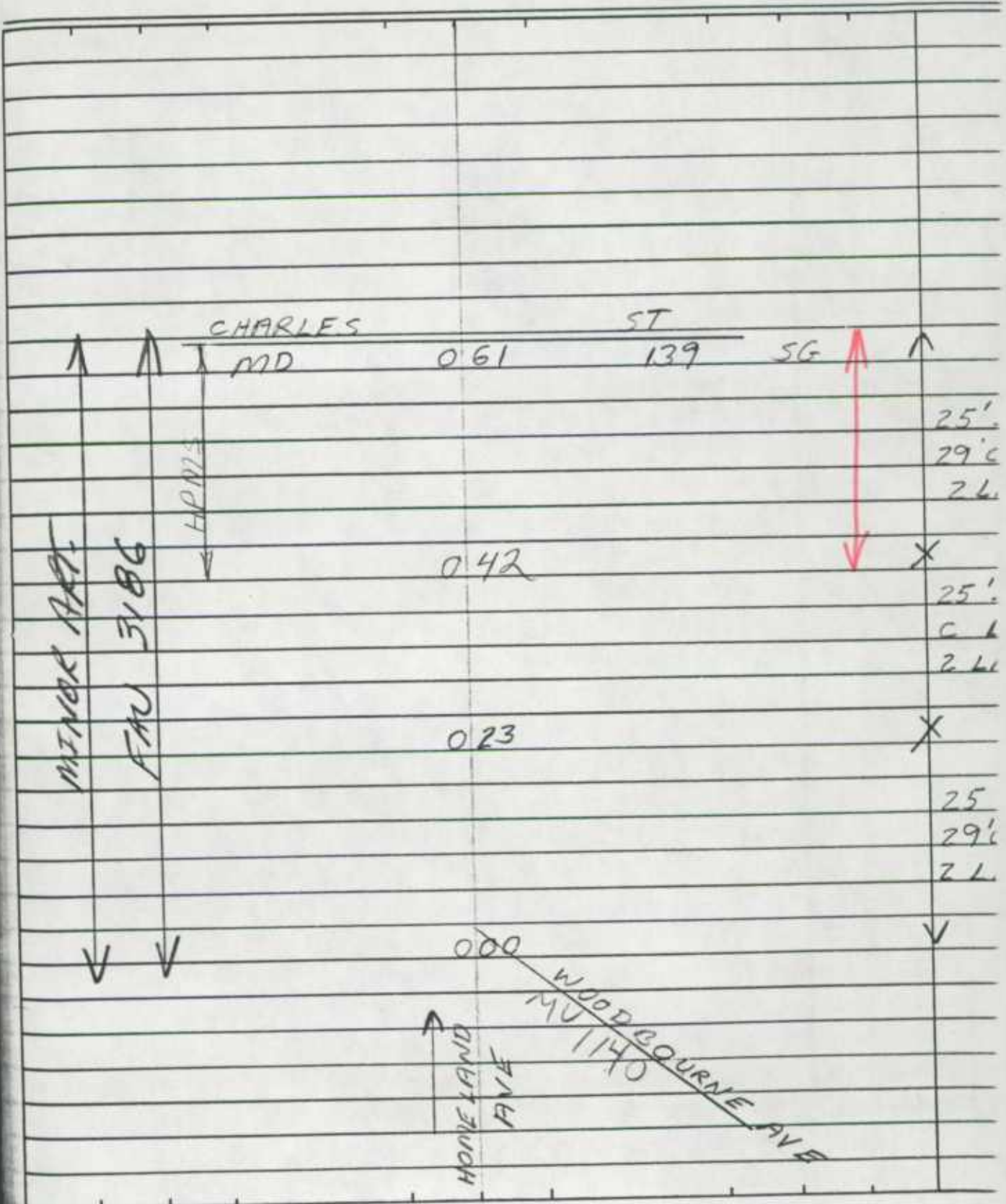


ROAD INVENTORY SHEET

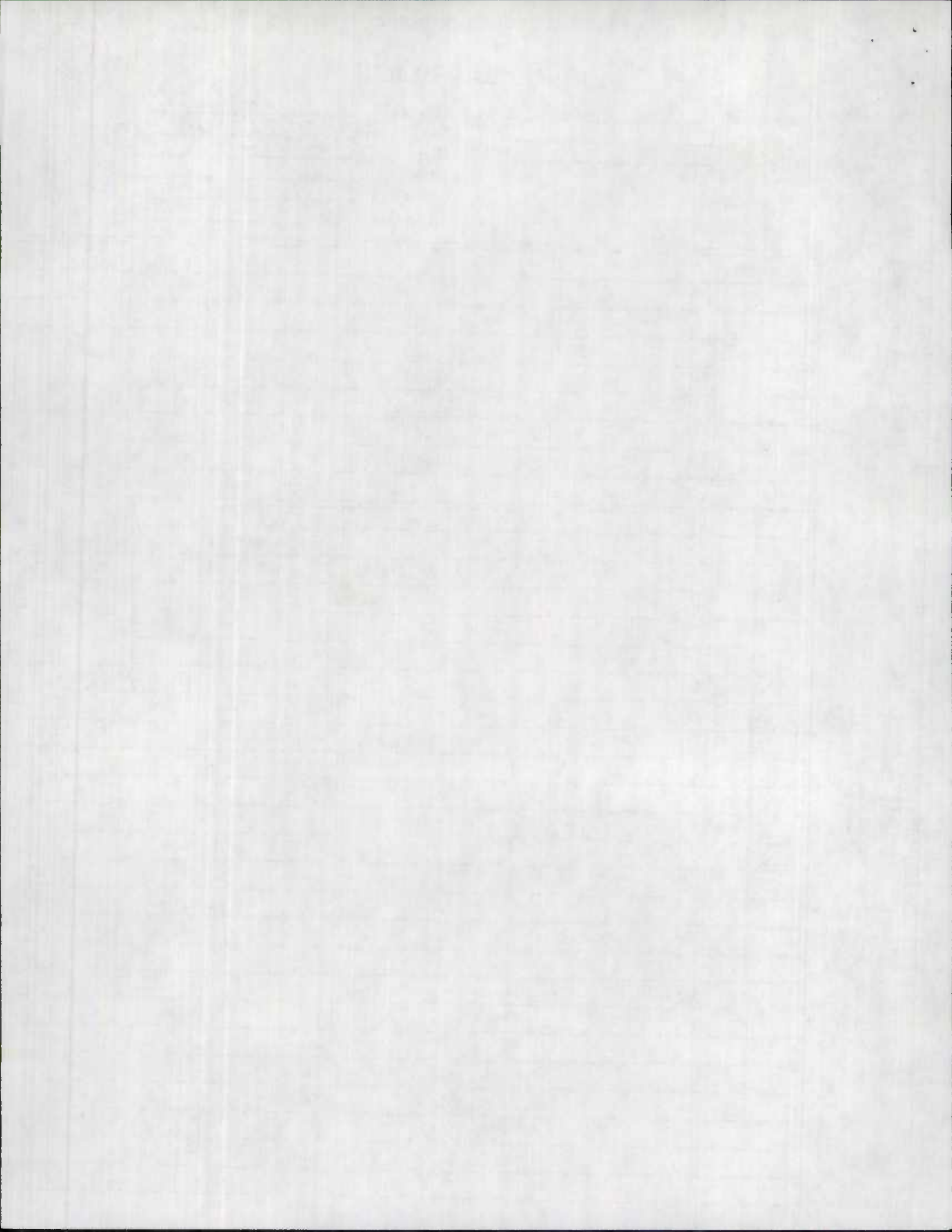
Party Chief _____
Recorder _____
Helper _____

Road No. MUN 1141
Road Name HOMELAND AVE
Sheet No. 1 OF 1
Date _____
County _____
State Coordinates 704-554

Map No. C-12



30' I
2-CURBS
MARKED
CENTER LINE
X
20' I
2-CURBS
MARKED
CENTER LINE
X
30' I
2-CURBS
MARKED
CENTER LINE
X
SAME

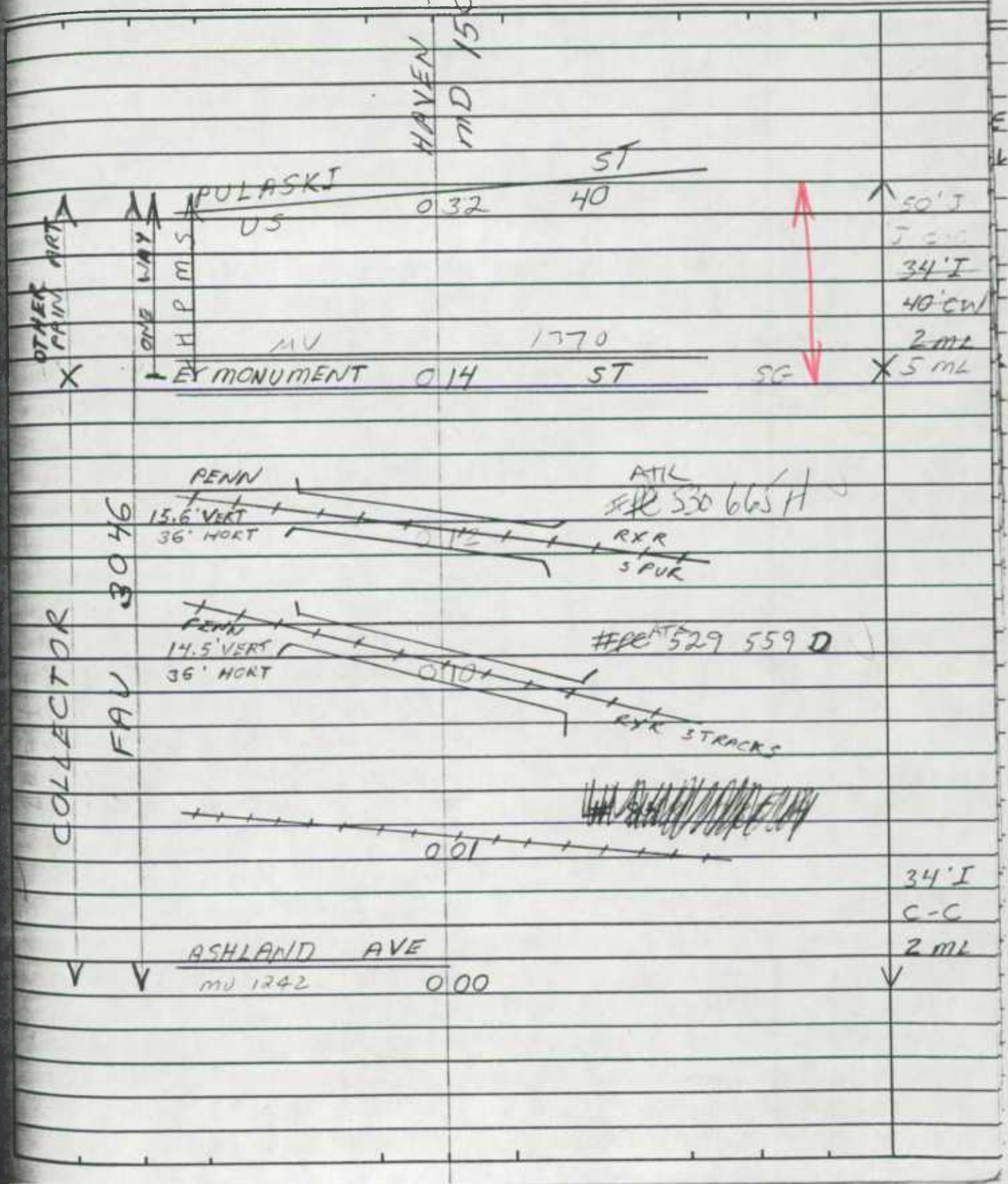


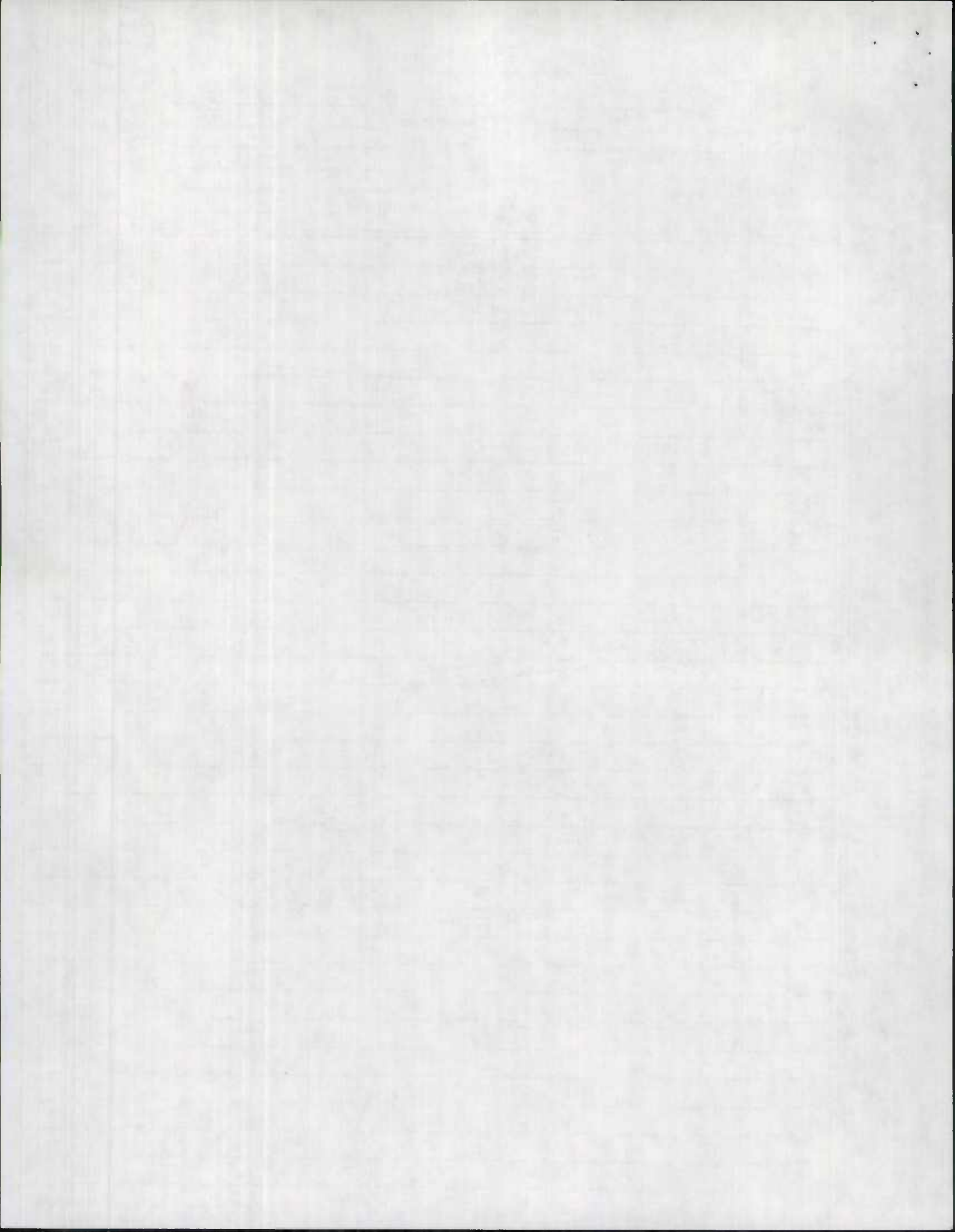
ROAD INVENTORY SHEET

Party Chief _____
Recorder _____
Helper _____

Road No. MUN 1241
Road Name HAVEN ST
Sheet No. 1 OF 1
Date _____
County _____
State Coordinates 923-534

Map No. D13





SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

21

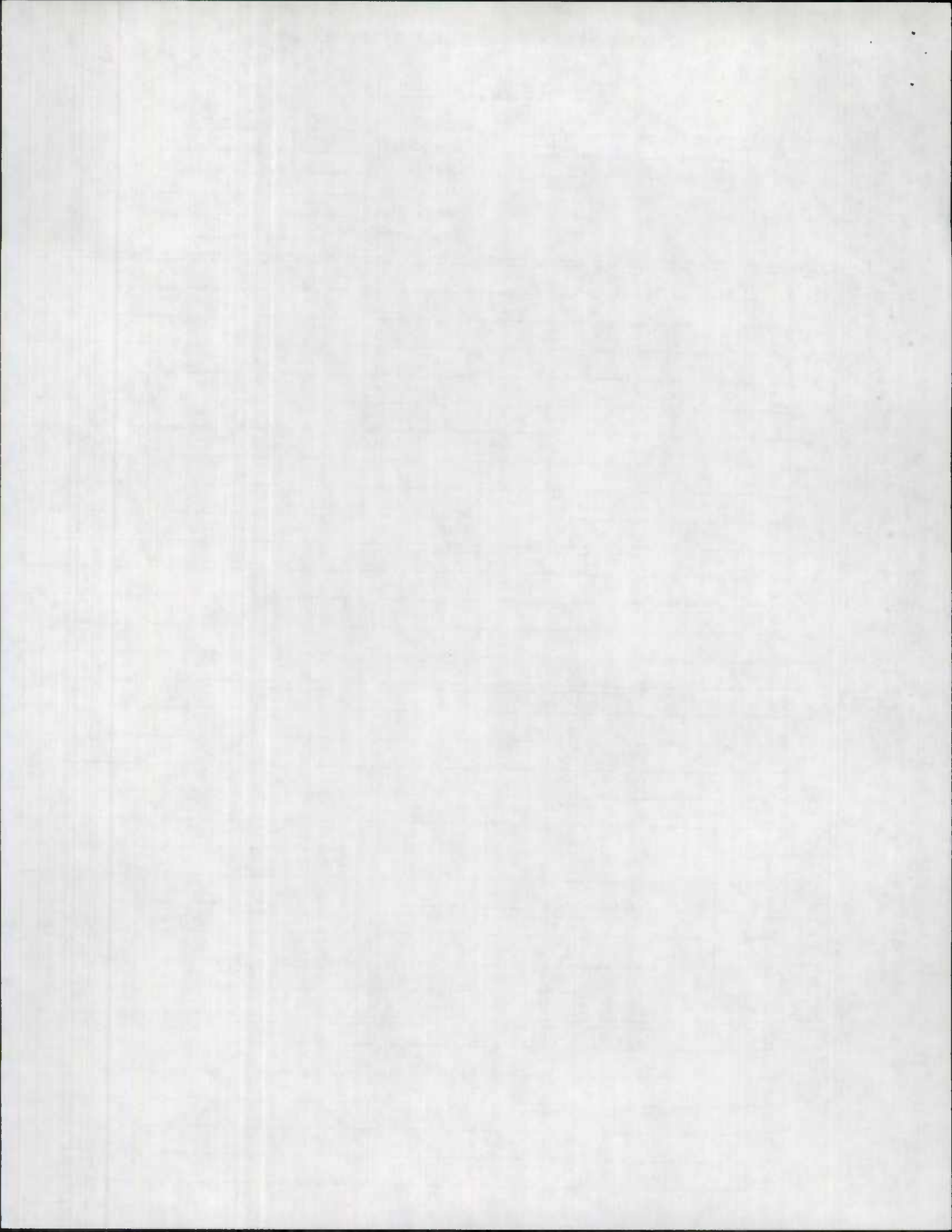
ROAD INVENTORY SHEET

Party Chief _____
Recorder _____
Helper _____

Road No. MUN 1300
Road Name PONCA ST
Sheet No. 1 OF 2
Date _____
County _____
State Coordinates 425 - 529

Map No. D 13

LOCAL	NON FA	PRIN. ART.	OTHER	MU	ST	Notes
X	X			0.92		20' J 30' CW POMBAIRD PASS MU 1301
						32' I C-LT OUTER R. 3 MK LA
						BOSTON ST MU 0.70 (DAN)
						32' H C-LT OUTER R. 3 MK LA
						MU 1700
				0.42	ST	O'DONNELL
						CANTON RR #BC 4404 1973 36' J C-C
						#848 062 T
				0.22		FAIT AVE MU 3110
						36' I C-C 4 MK LA
				0.08	ST	FLEET
				0.00		EASTERN AVE MD MU 1740
						PONCA ST 150



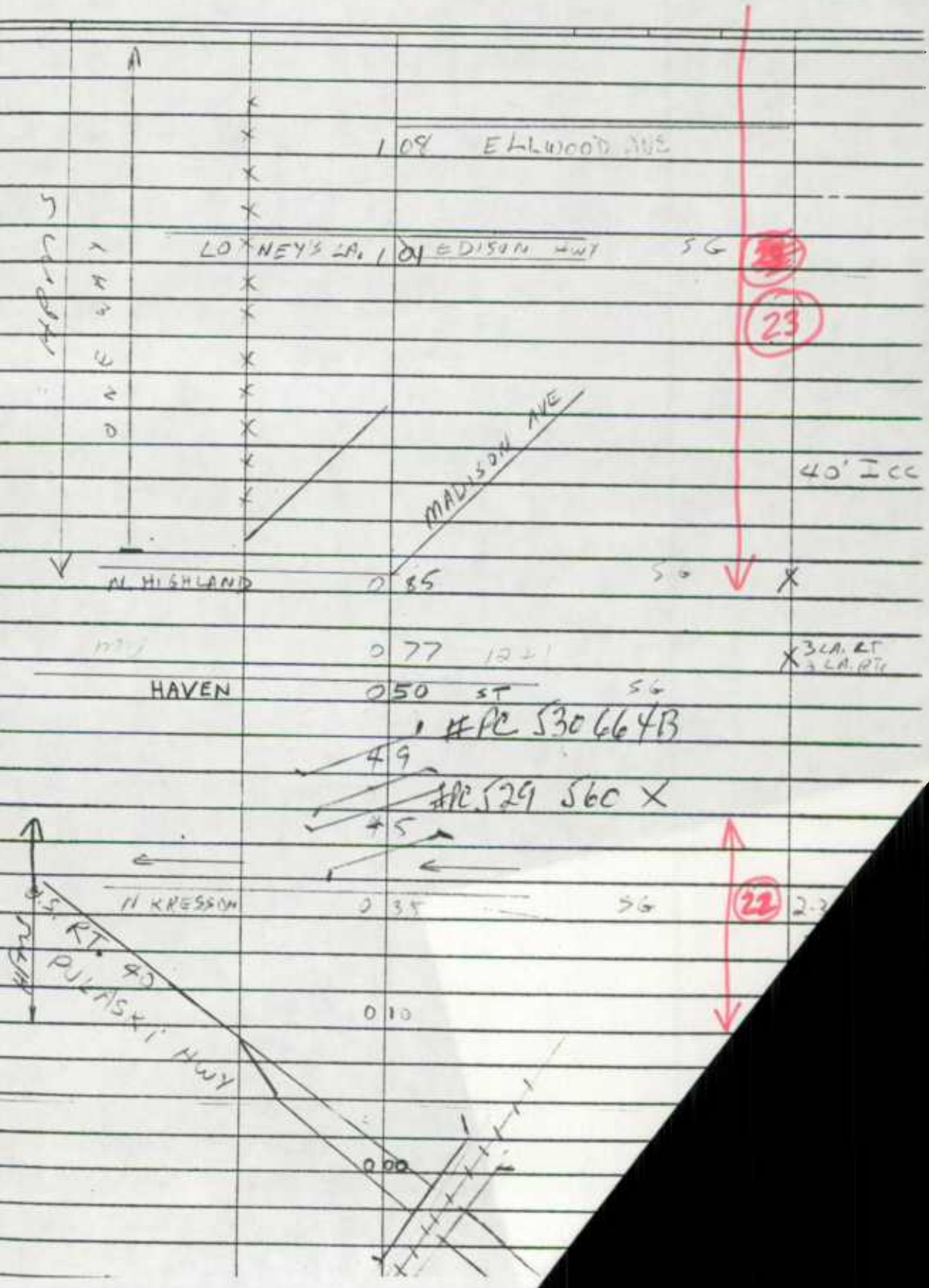
ROAD INVENTORY SHEET

Party Chief D. BOCHNER
 Recorder M. BAXTER
 Chairman _____

Road No. 1370
 Name MONUMENT ST
 Sheet No. 1 OF 3
 Date 10-2-72
 County BALTO. CITY

ART.
 PRIN 3041
 FAU
 OTHER

APR 5
 ONE WAY



2 ICE

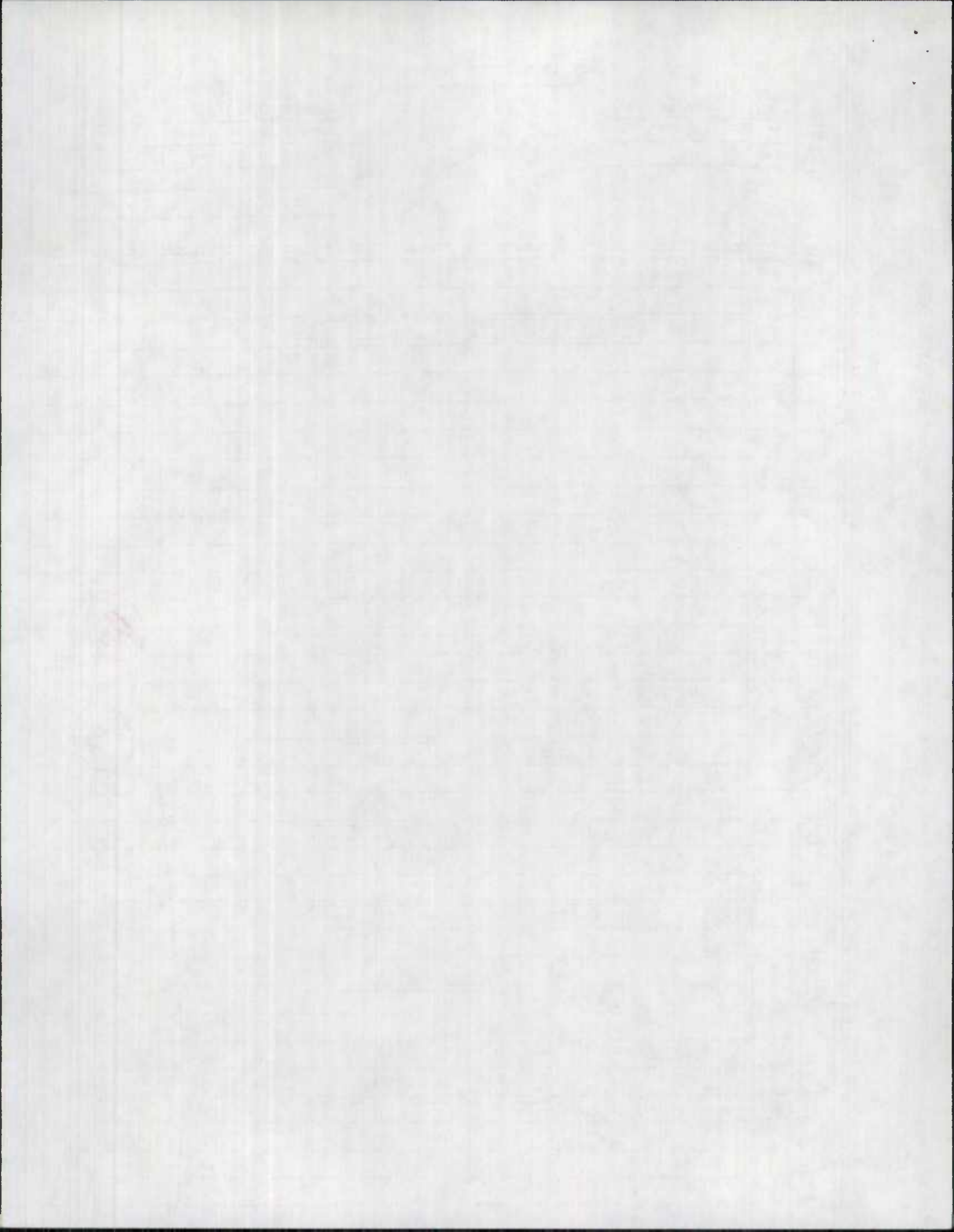
24 SAMES

2 MEX CA

2.32 ICE

24 SAMES

3 MEX CA

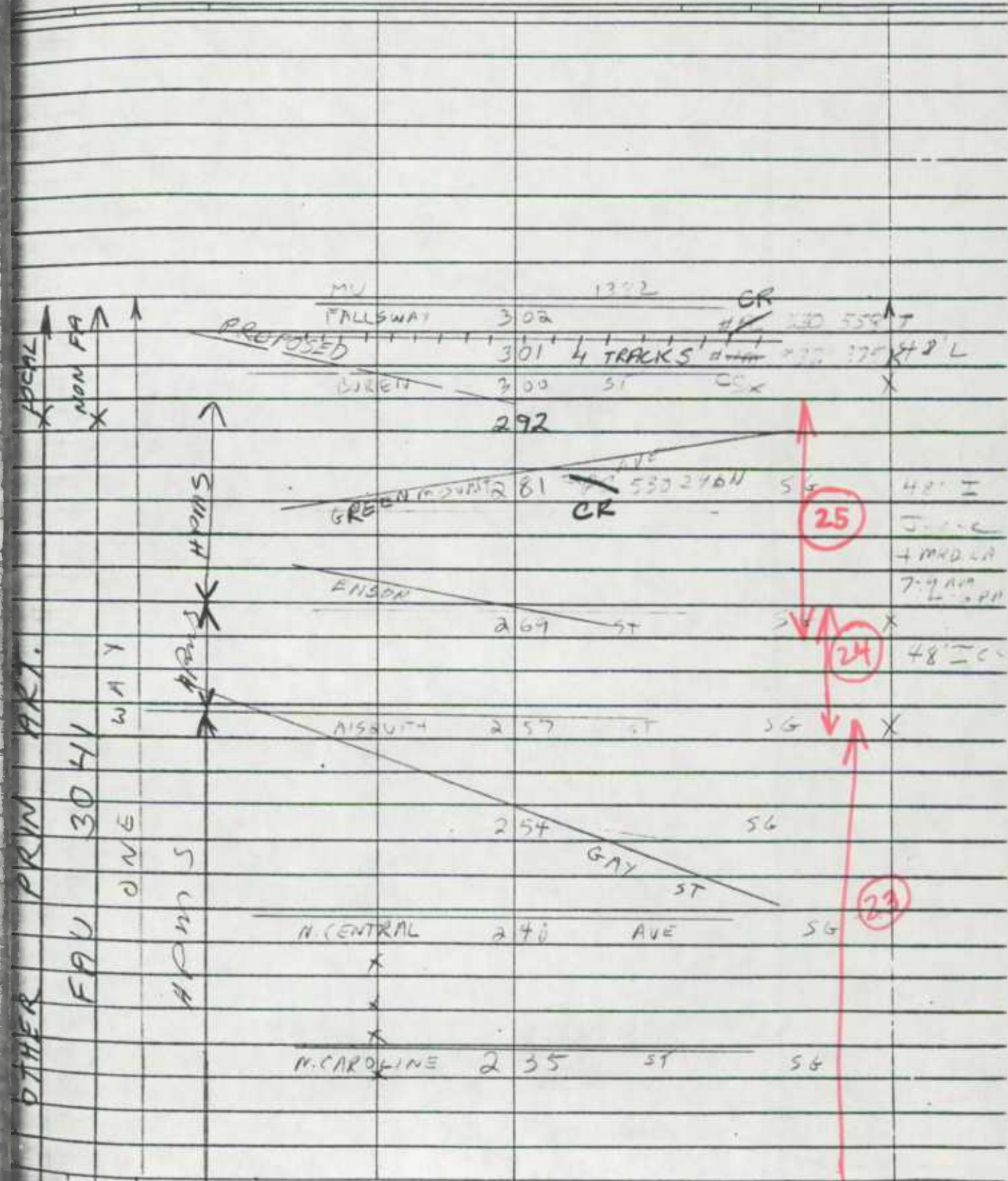


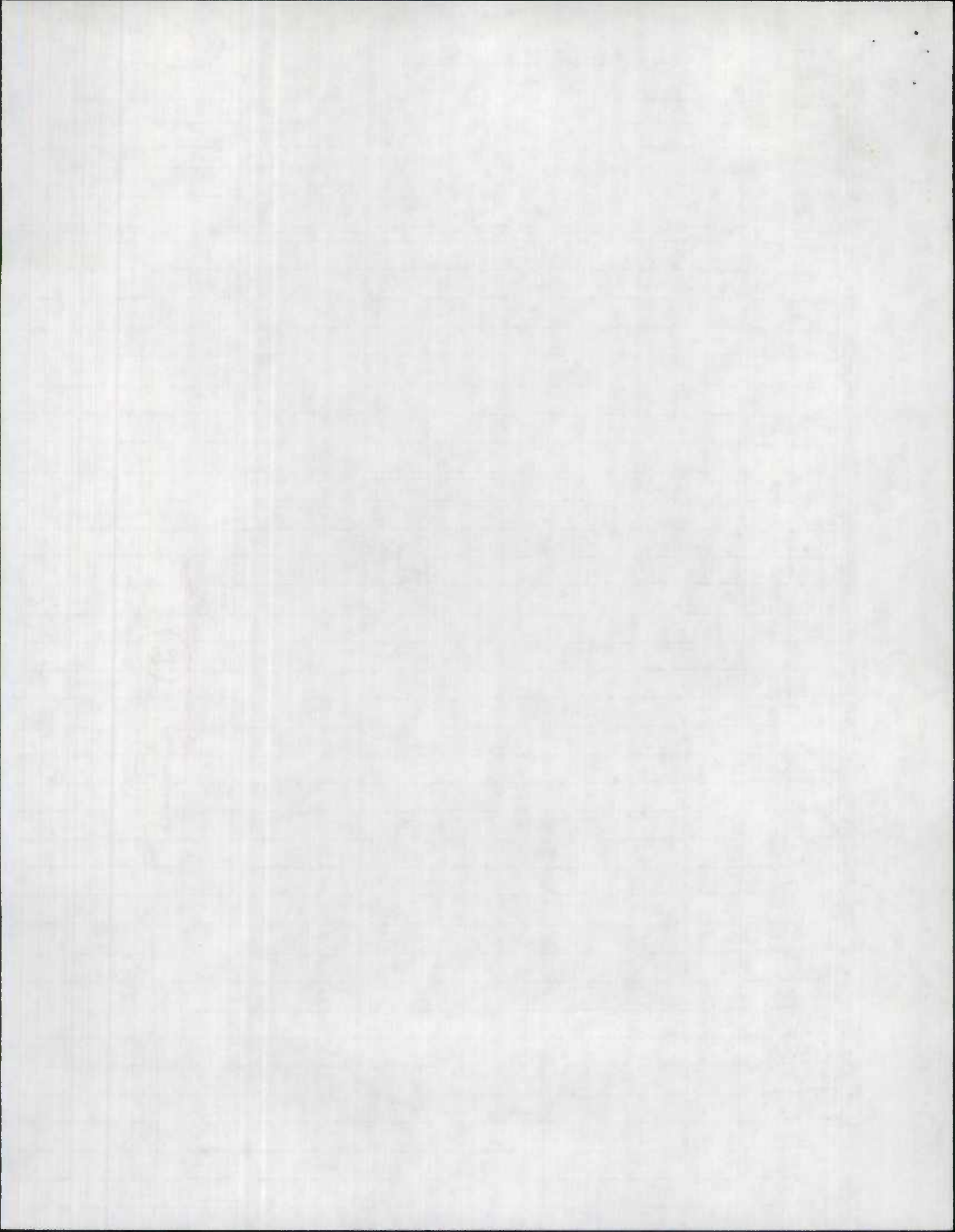
ROAD INVENTORY SHEET

23, 24, 25

Party Chief D. BOCHNER
 Recorder M. BAYTER
 Chairman _____

Road No. 1370
 Name MONUMENT ST
 Sheet No. 3 of 3
 Date 10-3-72
 County BALTO CITY





SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

26

ROAD INVENTORY SHEET

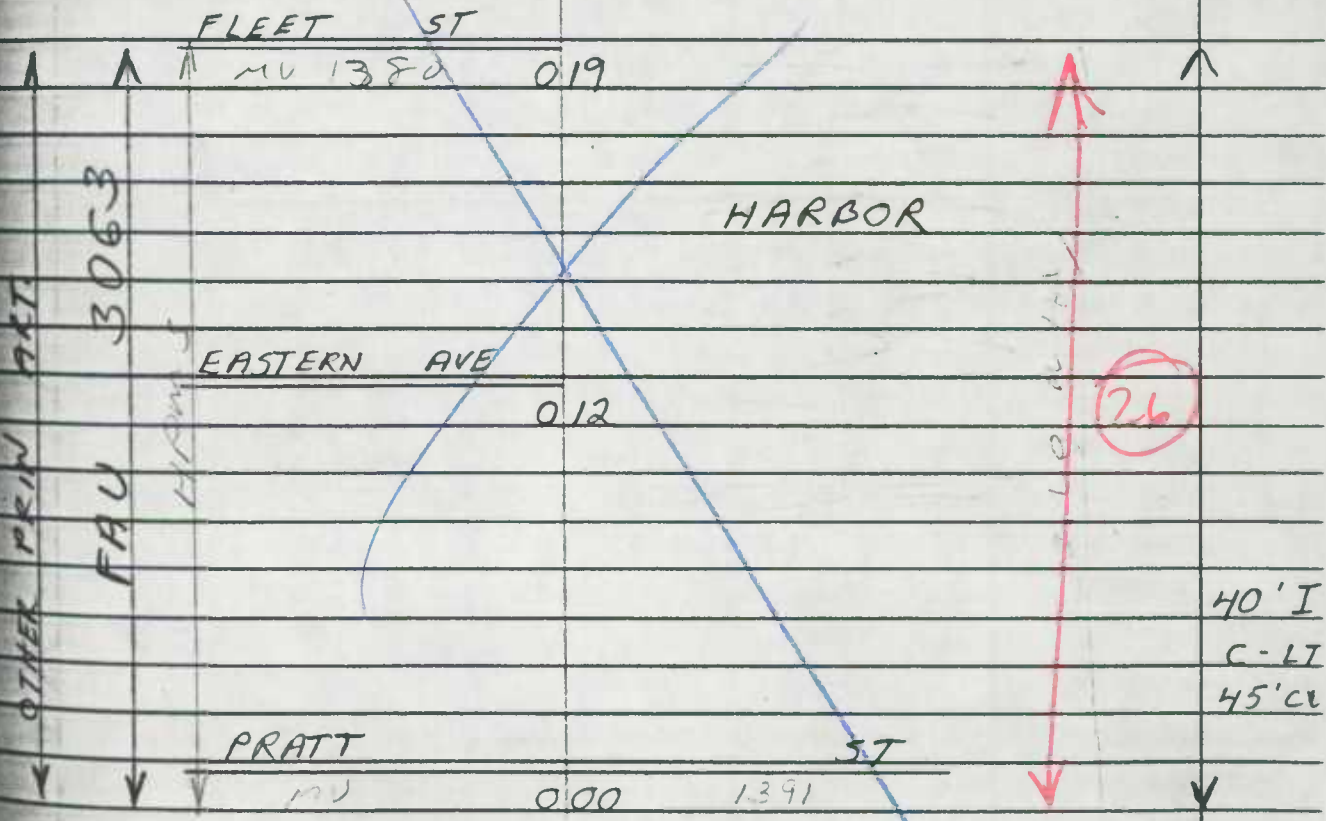
Party Chief _____
Recorder _____
Helper _____

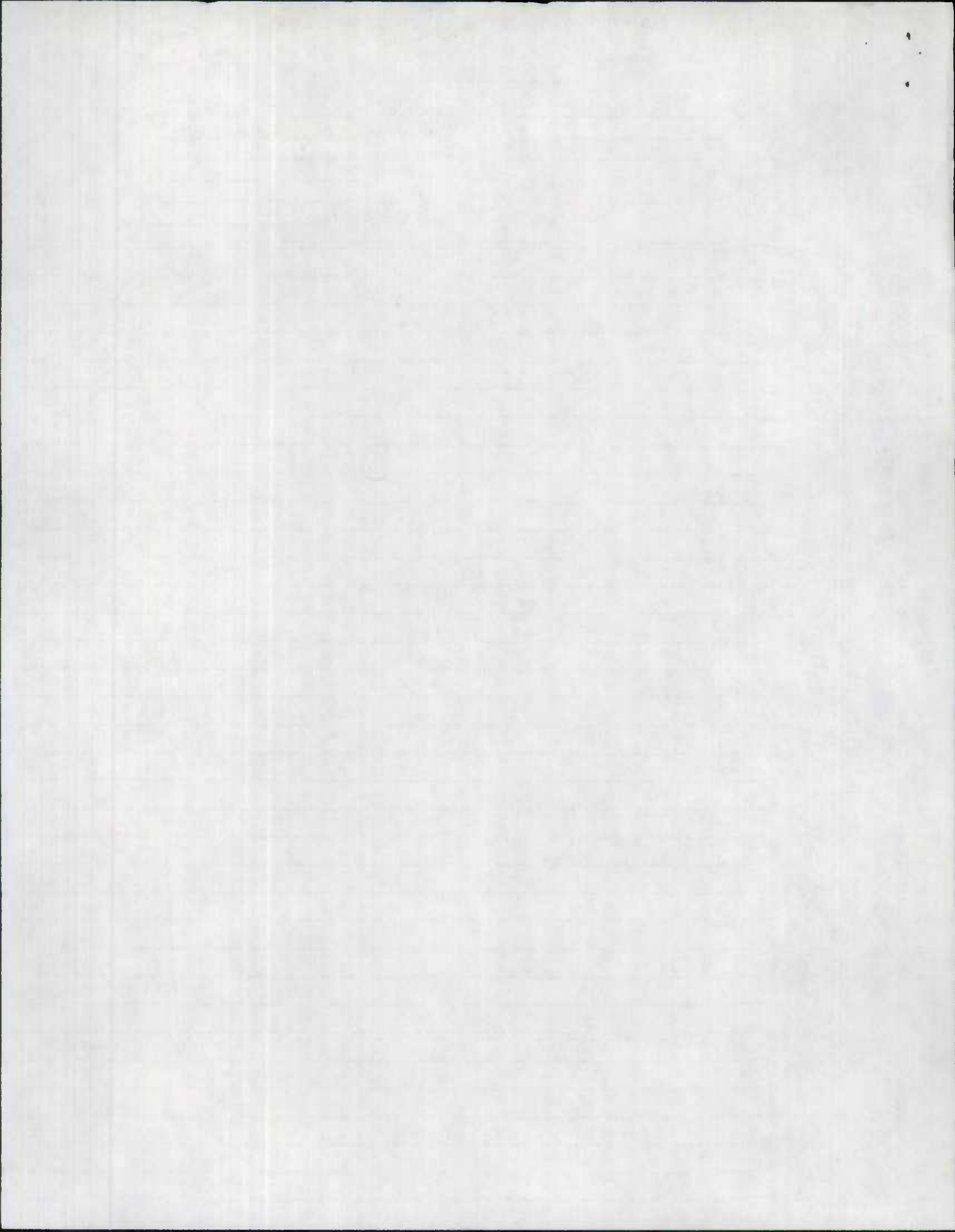
Road No. MUN 1380
Road Name E. FALLSWAY
Sheet No. 1 of 1
Date _____
County _____
State Coordinates _____

Map No. _____ ONE WAY

Now
PRESIDENT ST

GD/SS/MG
9/18/92





SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

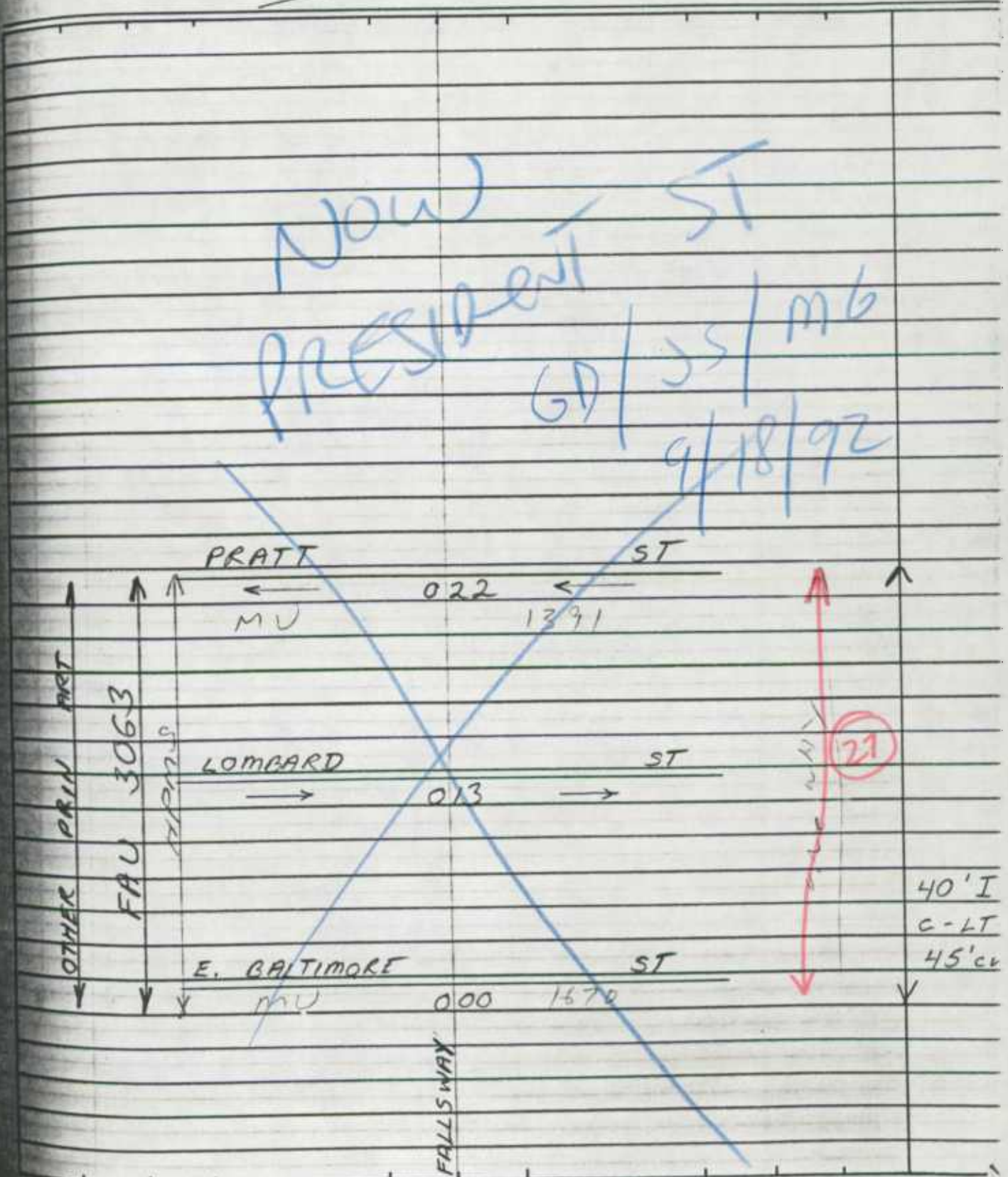
27

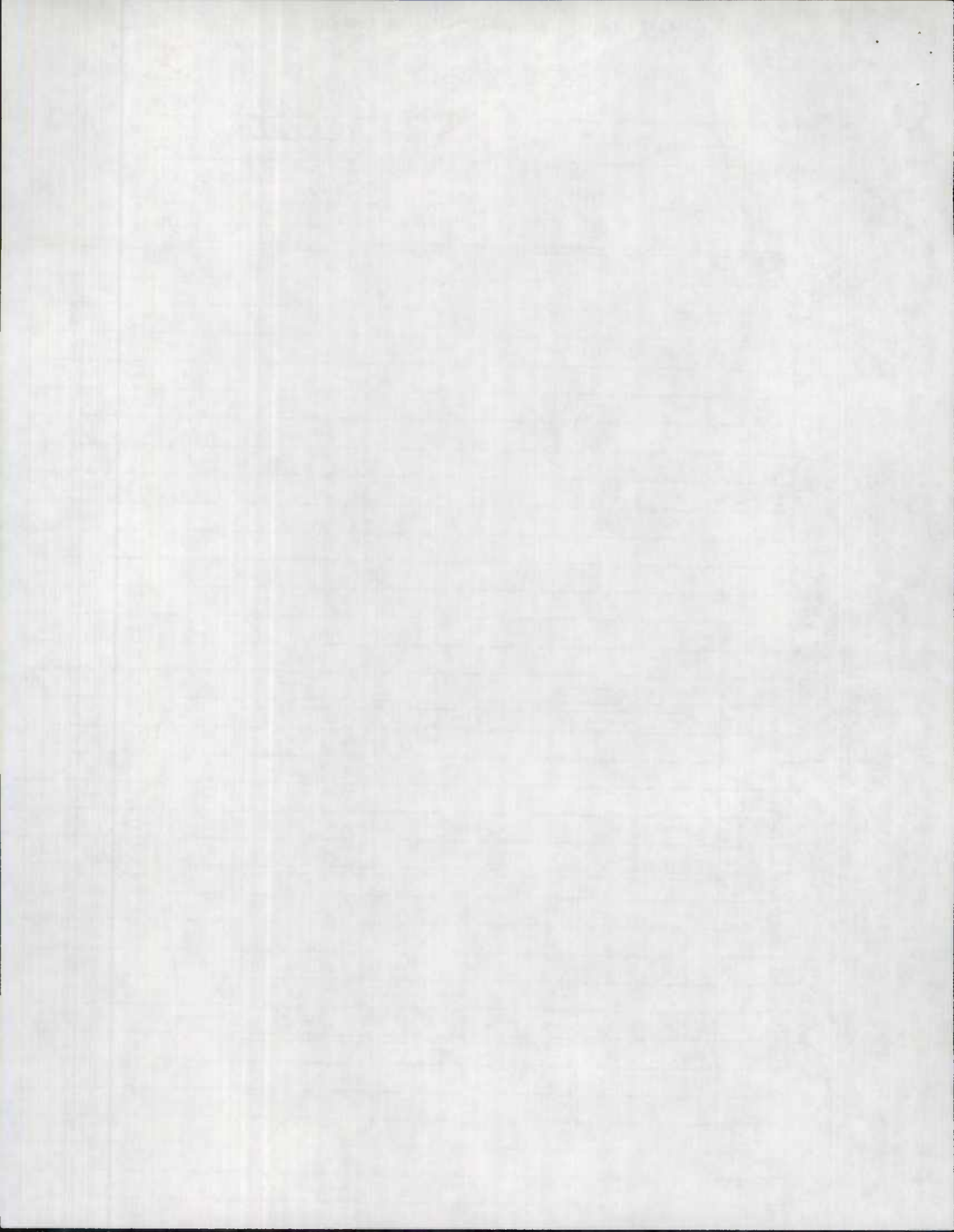
ROAD INVENTORY SHEET

Party Chief _____
Recorder _____
Helper _____

Road No. MUN 1381
Road Name W FALLSWAY
Sheet No. 1 OF 1
Date _____
County _____
State Coordinates _____

Map No. _____ ONE WAY



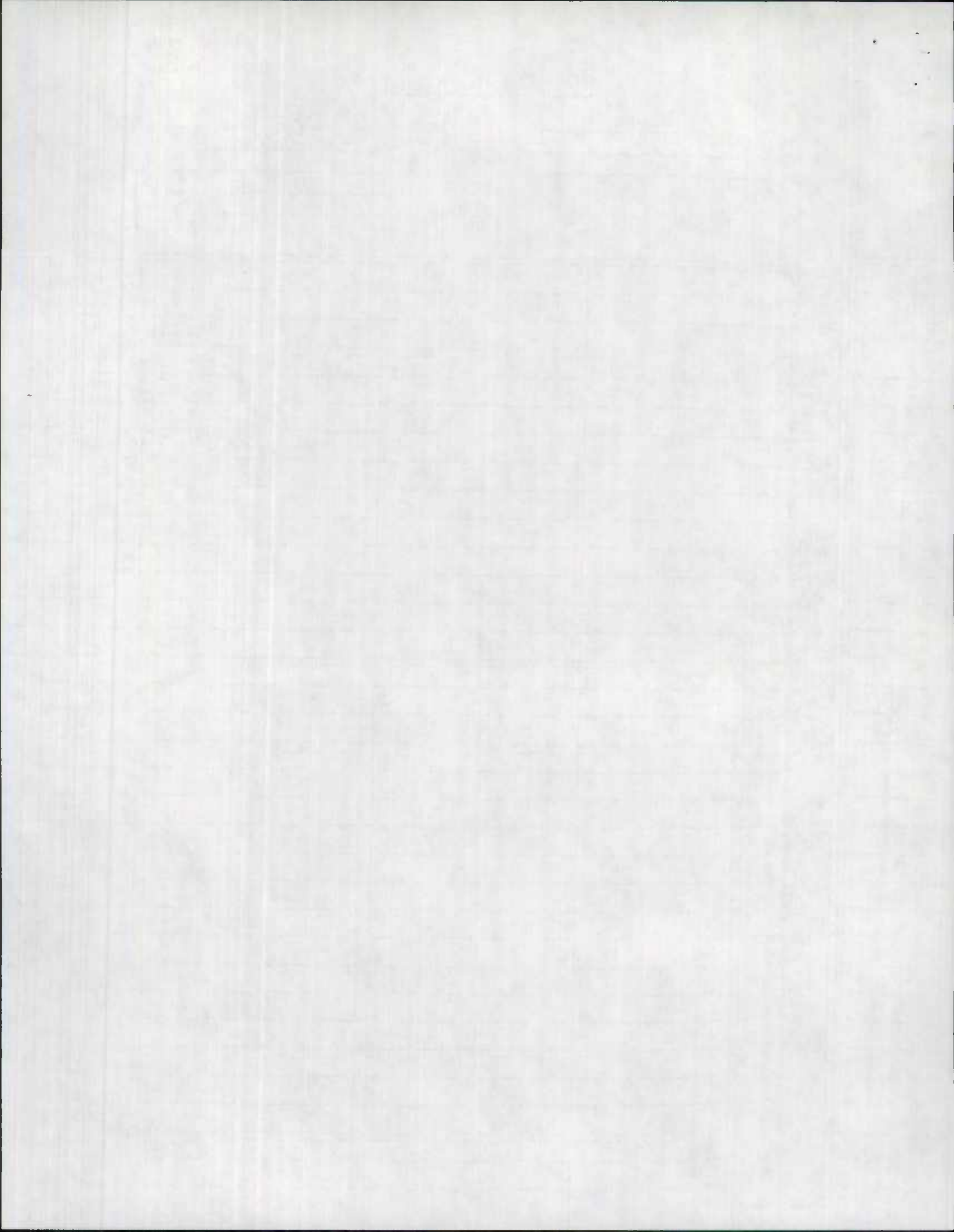


ROAD INVENTORY SHEET

Party Chief D BOCHENEK
 Recorder M. BAXTER
 Helper _____

Road No. MV 1440
 Road Name BROADWAY
 Sheet No. 2 of 3
 Date 10-3-72
 County BALTO. CITY

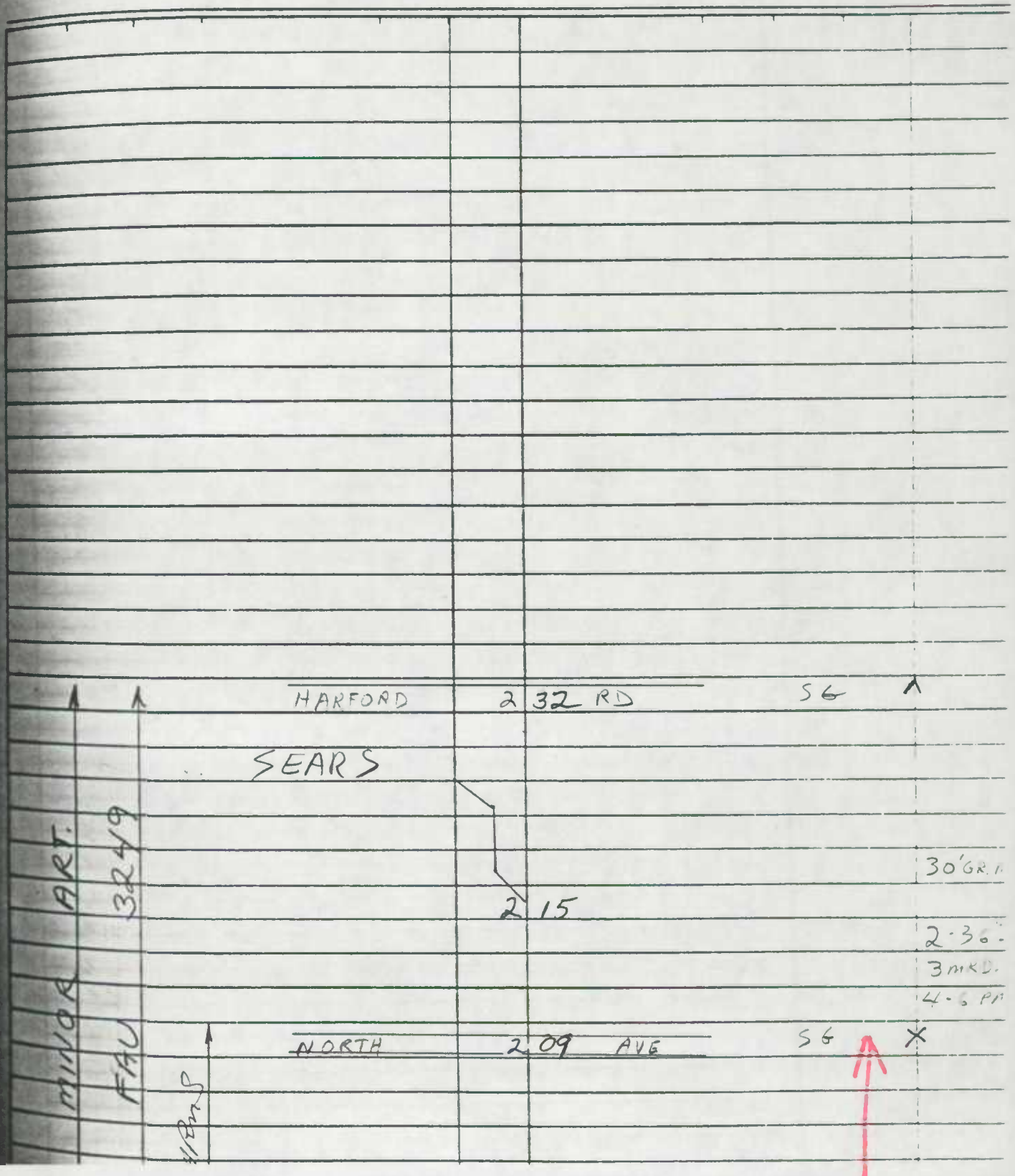
ART 3249 MINOR FAU	HOPS ↓	FEDERAL	184	ST	SG		
			170				
			169			#12 589 541 ✓	
			E. PRESTON	162		SG	
			GA	152	ST	SG	
			E. EAGER	138	ST	SG	
			→	NO TIE	→		
			E. MADISON	122	ST	SG	
			E. MONUMENT	114	ST	SG	
							36 GR. ME 2 30 I.C. 2 MK L.L. 4-6 PP
		ORLEANS	093	ST	SG	X	
						3 MKD. L 4-5 PM	
		E. FAYETTE	084	ST	SG	X	
						2-36' L 40' GR. M C.C. 2 MK L	
		E. BALTO.	067	ST	SG	X	
						SALE	

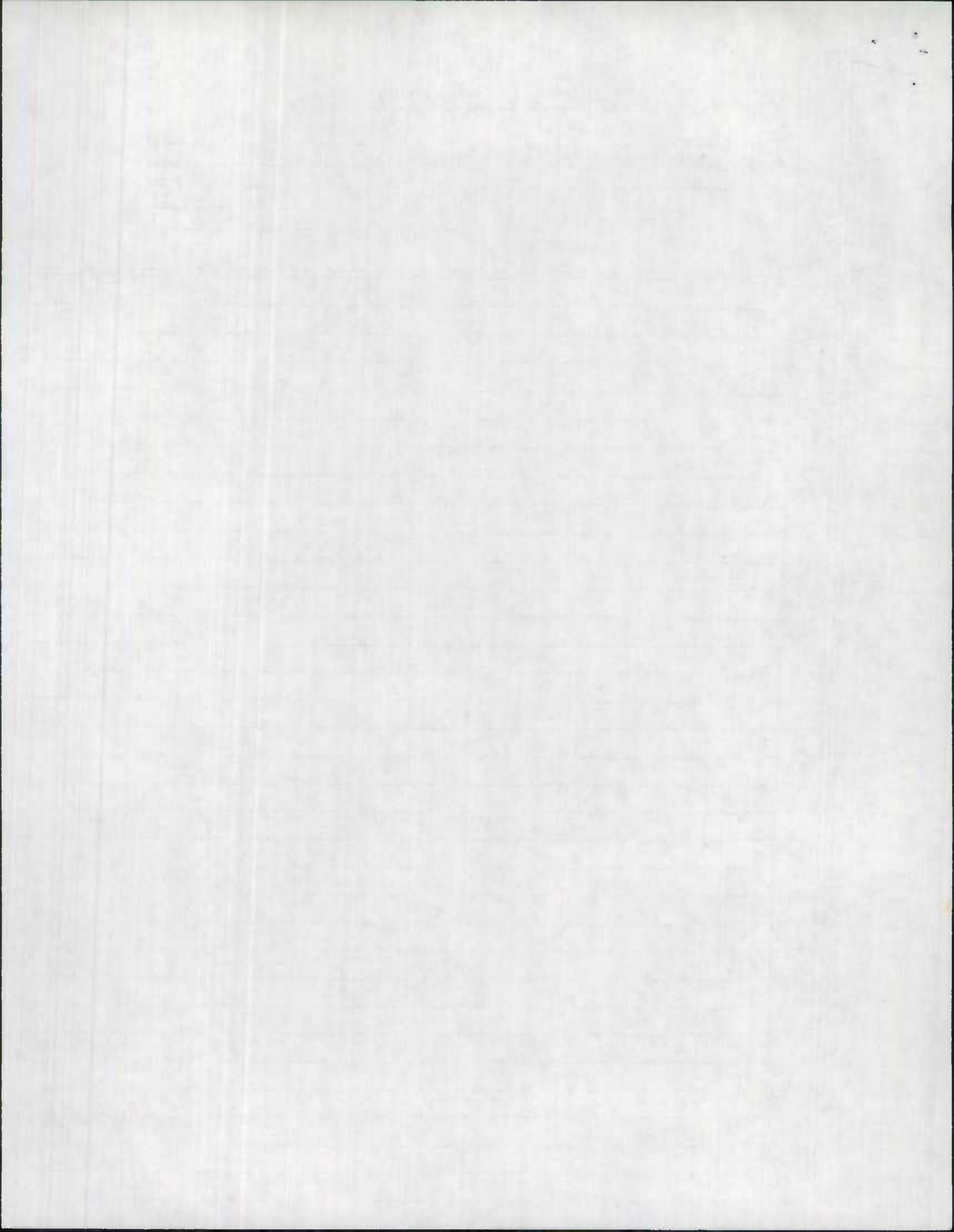


ROAD INVENTORY SHEET

Party Chief D. BONACHER
Recorder M. BAXTER
Helper _____

Road No. MV 1440
Road Name BROADWAY
Sheet No. 3 OF 3
Date 10-3-72
County BALTO CITY





ROAD INVENTORY SHEET

29

MUN 1510

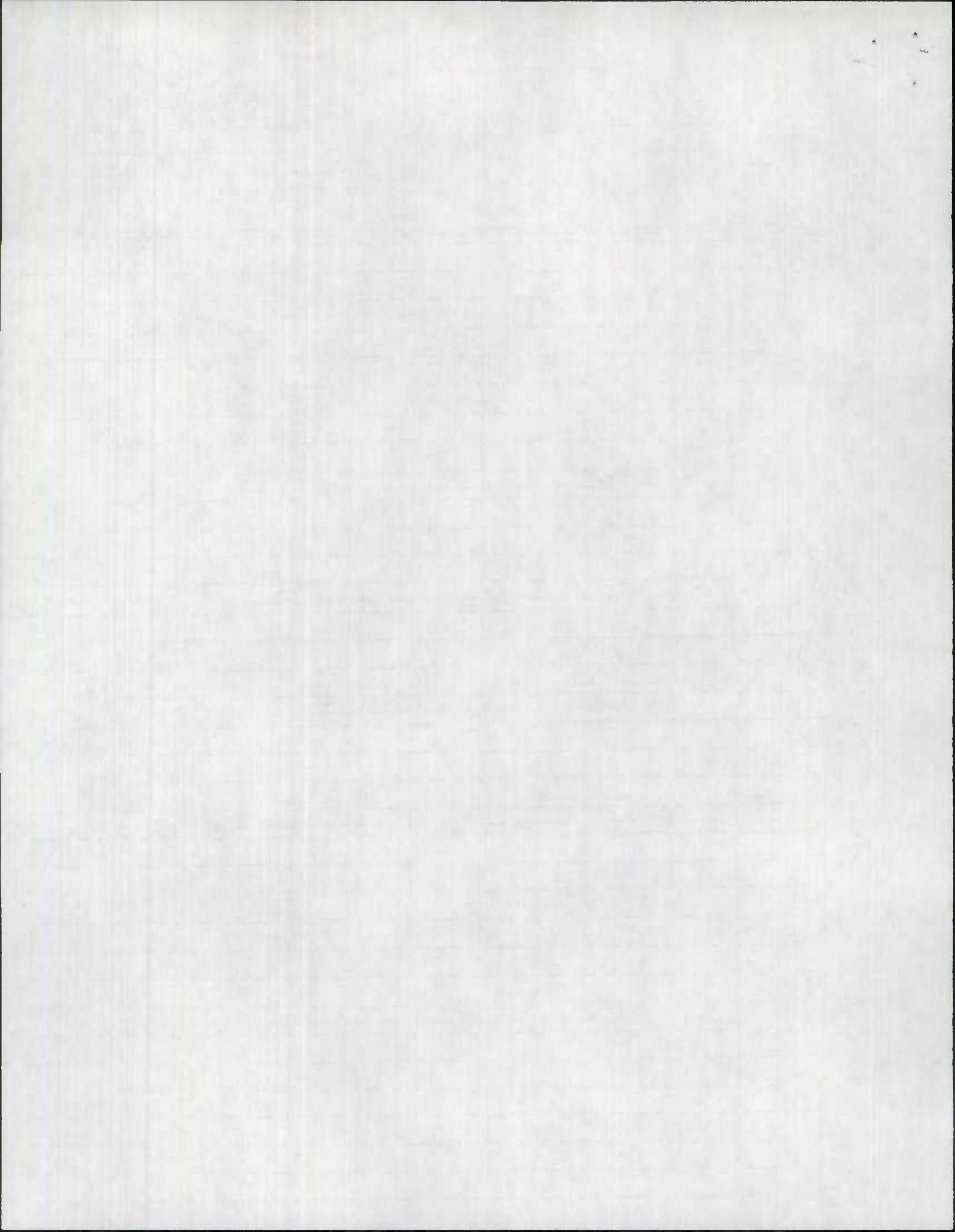
Party Chief C FORREST
 Recorder G GRAY
 Chairman _____

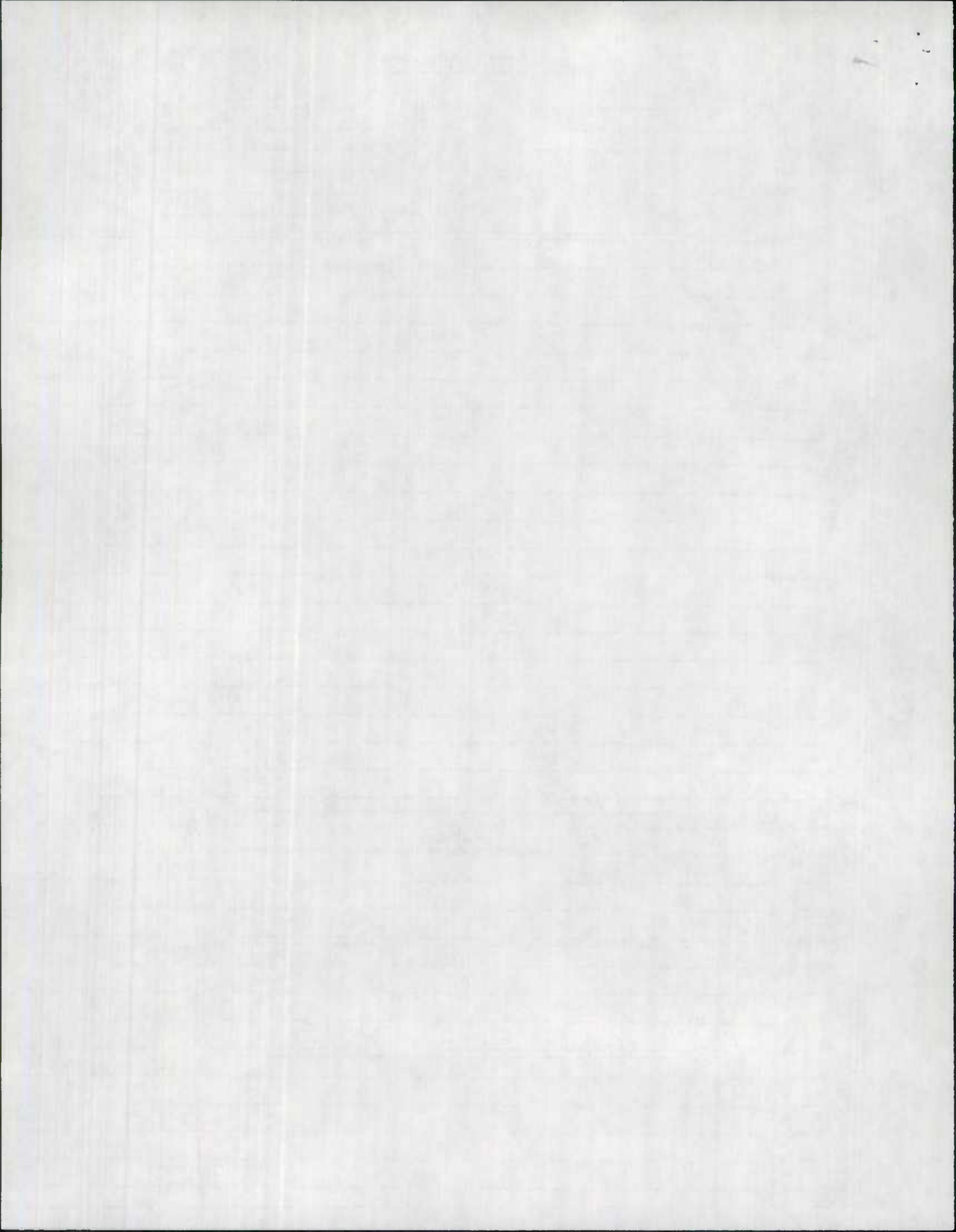
Road No. MD 139 South
 Name ST PAUL ST
 Sheet No. 2 of 3
 Date 4-3-68
 County BALTO CITY

OTHER PROP. AC. FAU 302B	← E 23 RD →	187	ST	SG
	E 24 TH	180	STREET	SG
	E 25 TH	170	STREET	SG
	← E 27 TH →	160	STREET	SG
	← E 28 TH →	141	STREET	SG
	E 29 TH →	132	ST	SG
	REG ONE WAY	E 31 ST	114	STREET
				SAME

44'I
 C-C
 4-MR-LA

#00 140 352 N





SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

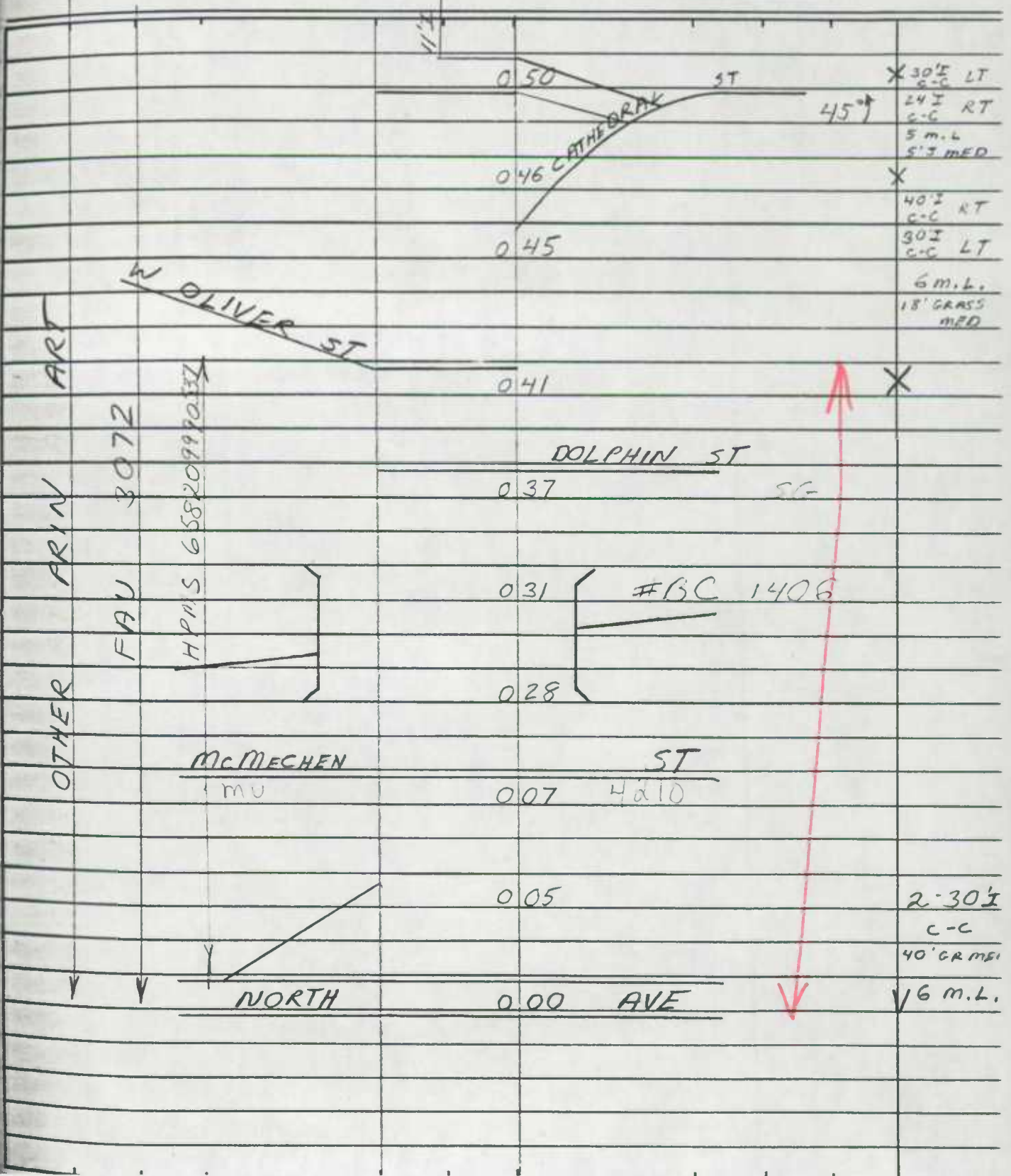
30

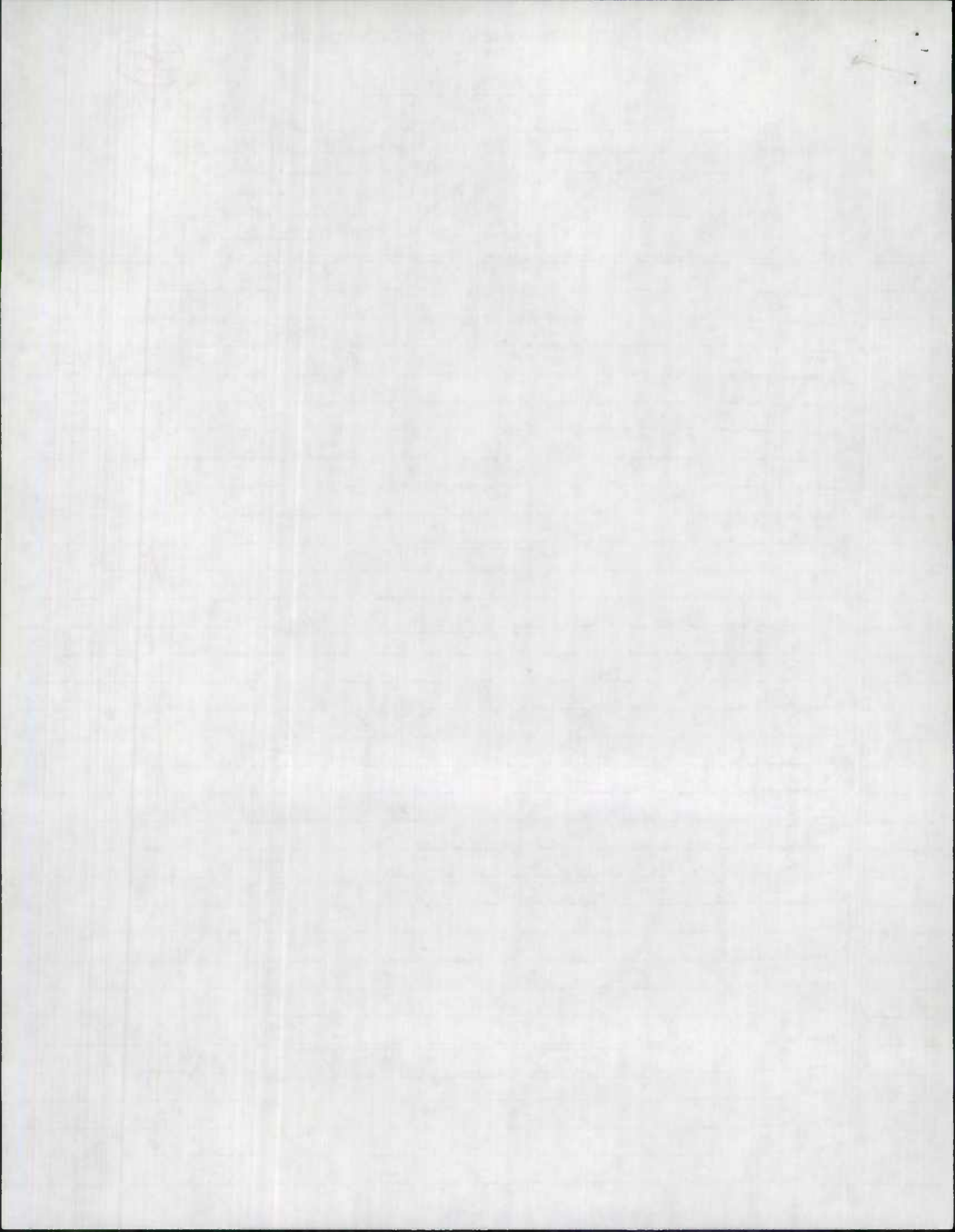
ROAD INVENTORY SHEET

Party Chief _____
Recorder _____
Helper _____

Road No. MUN 1780
Road Name MT. ROYAL AVE
Sheet No. 1 OF 2
Date _____
County _____
State Coordinates 907-537

Map No. D12B





ROAD INVENTORY SHEET

Party Chief D BOCHENER
 Recorder M. BAXTER
 Helper _____

Road No. 1790
 Road Name CENTRE ST
 Sheet No. 1 OF 2
 Date 10-20-72
 County BALTO. CITY

TL REV
 KH 4-16-79

			I-93	0 58	NOL		
				0 57			
			I-82	0 50	SOL		40' I
							5'-C
			GUILFORD	0 54		MET' CR 530 557 L	SG X
			N. CALVERT	0 46	ST		SG 33' I
							3 MK LA
					TO MD. 2		
			ST. PAUL	0 41	TO U.S. 40		SG X
			N. CHARLES	0 32			SG
			CATHEDRAL	0 24	ST		SG
			PARK	0 17	AVG		SG
			HOWARD	0 09	ST		10' SG 40' I
							4 MK LA
				0 02			10' SG
			N. EUTAW	0 00	ST		SG

ART

HIPIN

3041

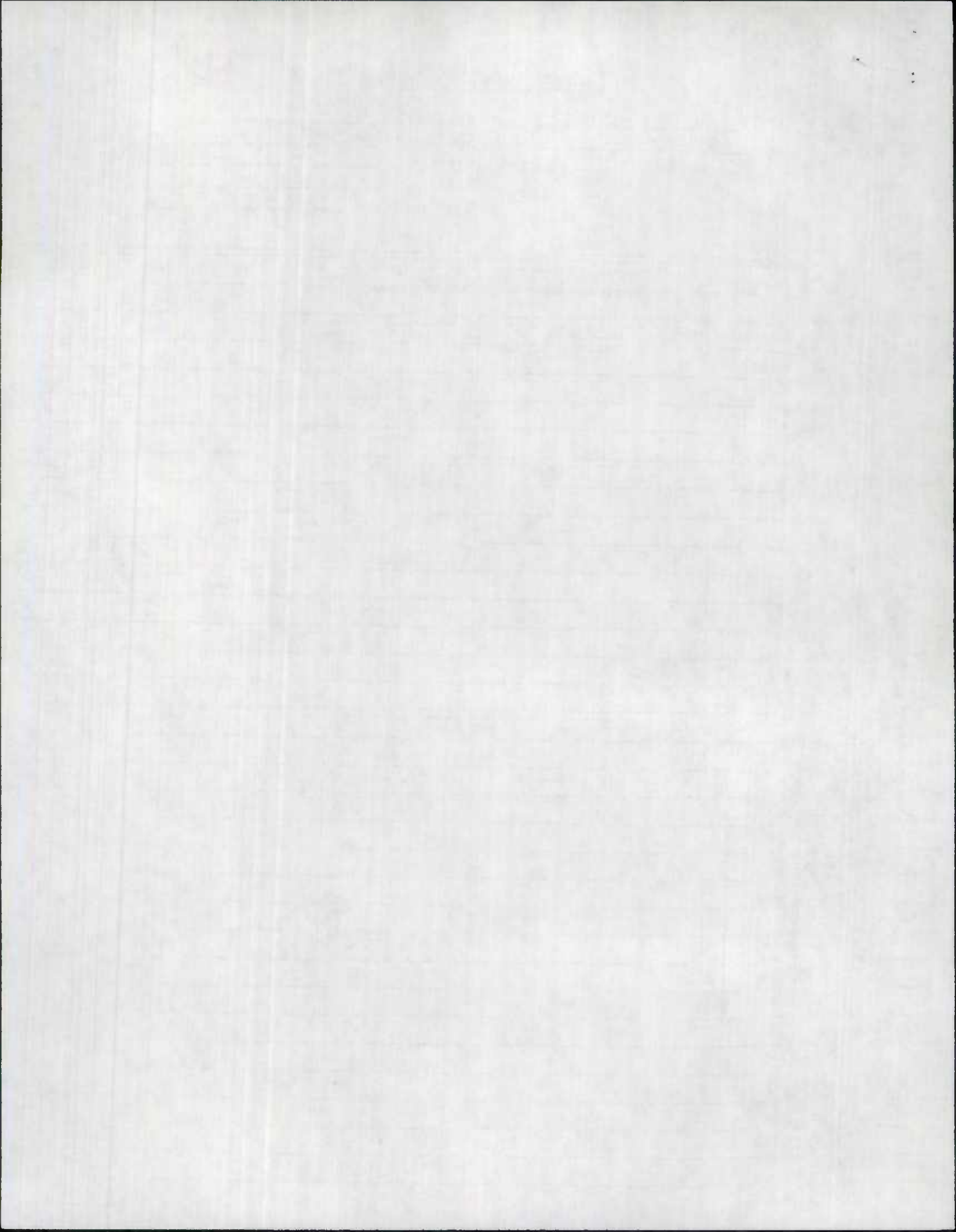
FRIN

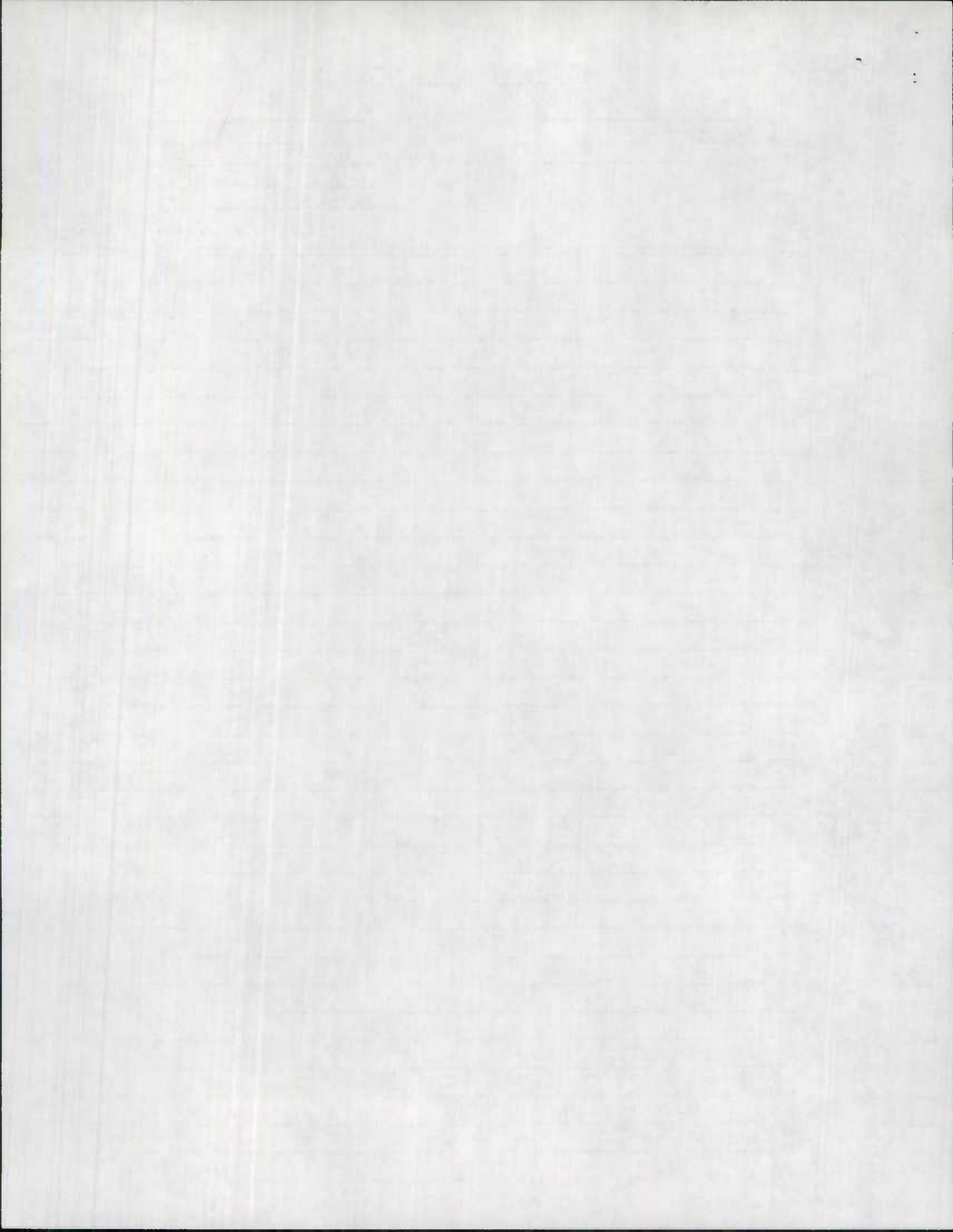
FAU

OTHER

ONE WAY







32

ROAD INVENTORY SHEET

Road No. 1910
 Road Name N. FRANKLINTOWN RD
 Sheet No. 2 OF 3
 Date 10-16-72
 County BALTIMORE CITY

COLLEGE									
ART									
MINOR									

TRAF. SIGNAL 2
 POPLAR GROVE RD

336

351 DEPT OF HOUSING & COMM. DEVEL.

321

20°

LAFAYETTE AVE

316

313

310

APT
80°
PC

306

303

35°

12'-6" OVERHEAD

WEST. MD.

292

R.R.

281

45°

DC 2208

HILTON

NPMS

261

PKWY

32

30°

226

224

DC 2407

222

45°

185

28

25

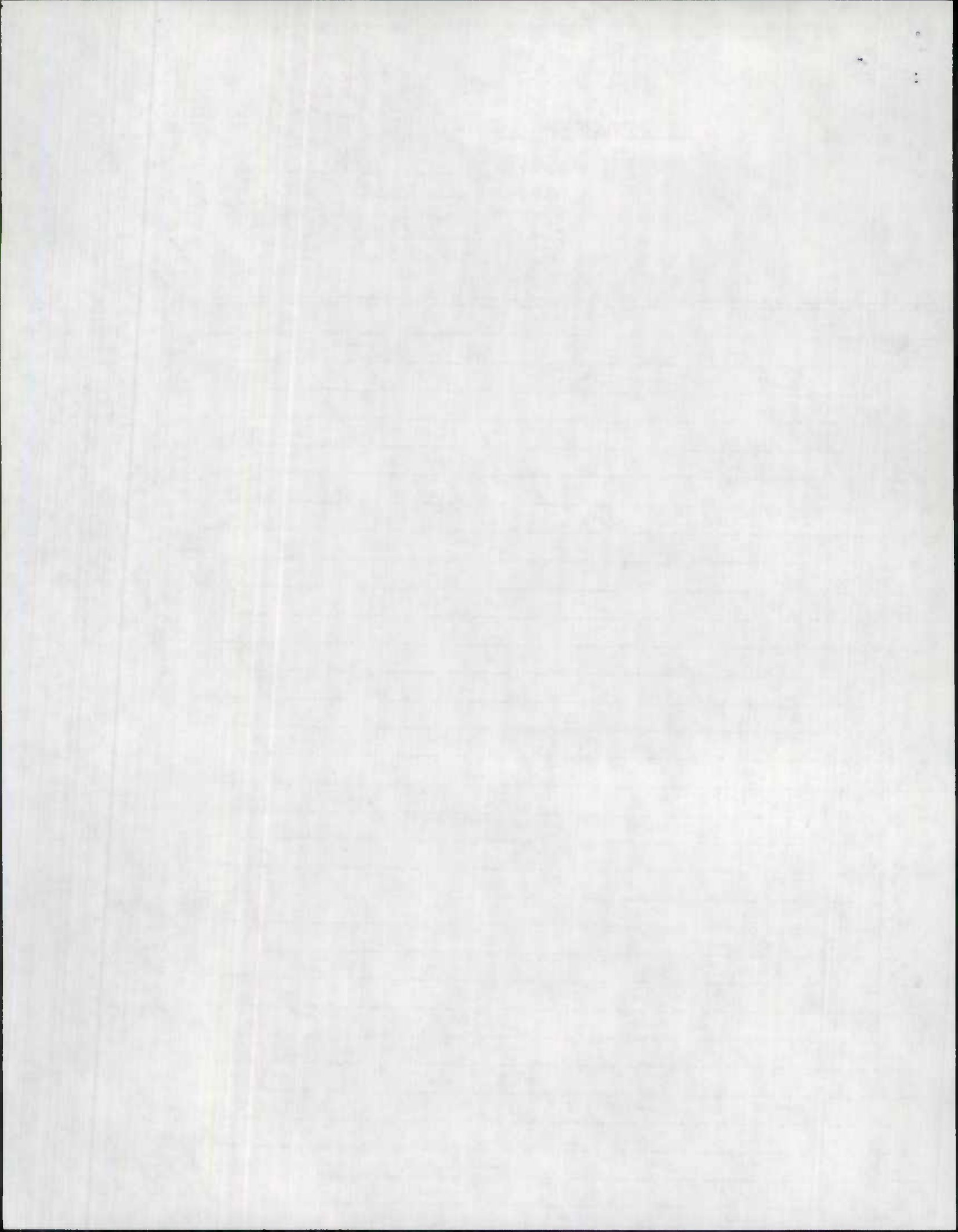
27

27

25

27

SA



ROAD INVENTORY SHEET

33

Party Chief C FORREST
Recorder G GRAY
Chairman _____

Road No. MU 2100
Name COLD SPRING LA
Sheet No. 4045
Date 3-28-68
County BALTO CITY

C 12

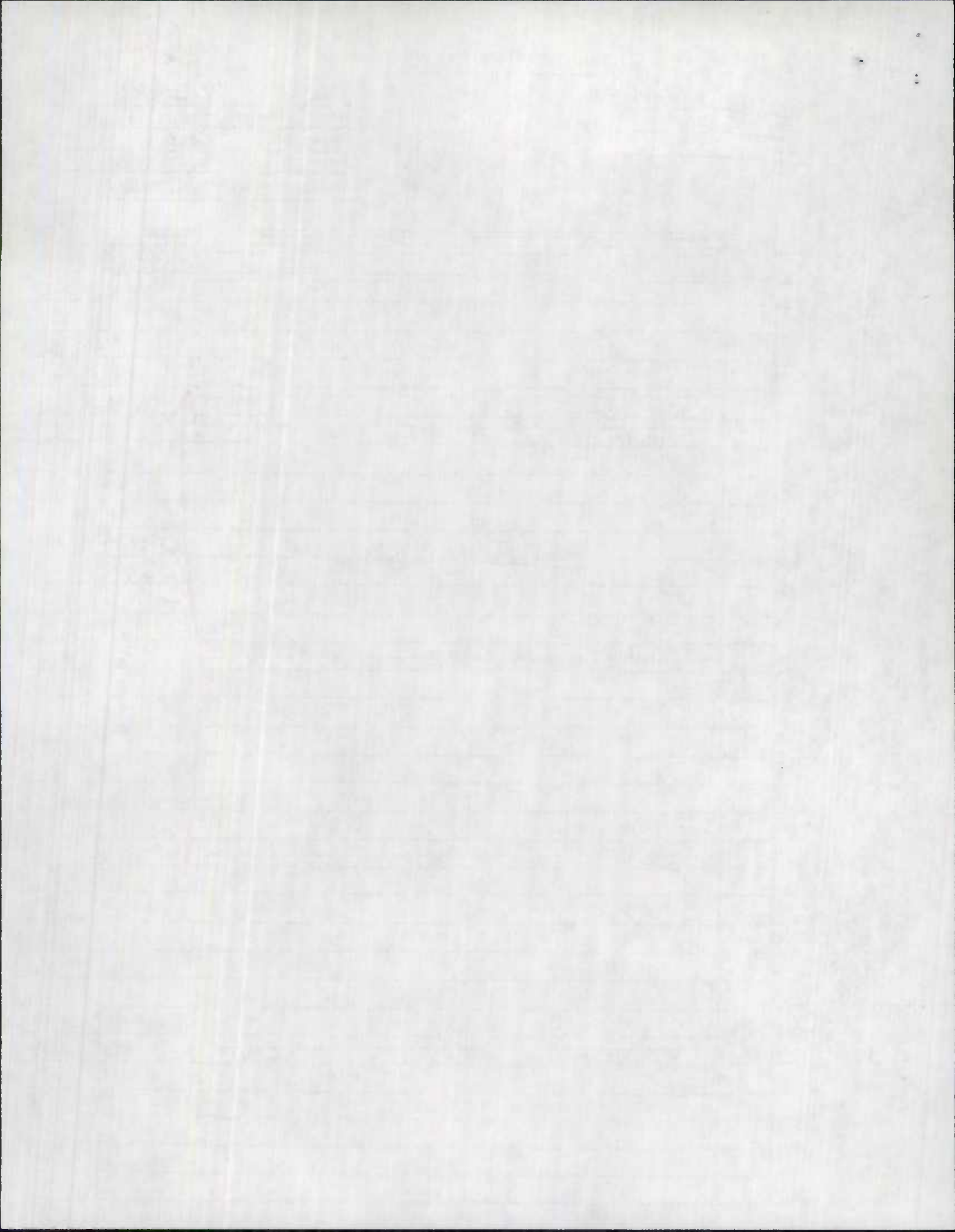
	HILLEN MD	5 57	ROAD 41	SGX	36'I C-C 4-MK-LA
					2-30'I C-C 20' GRASS PKWY 4-MK-LA
	LOCH RAVEN MD	5 25	BLVD 542	SGX	
			43 rd ST 496	Marbel Hall	
	THE MU	4 82	ALAMEDA 0.467	SG	
					44'I C-C 4-MK-LA
	WORK MD	4 28	ROAD 45	SGX	
					36'I C-C 4-MK-LA
	KERNWAY	4 16	KERNWAY	X	
					SAME

OTHER PERS. ACFT.

FAU3018

H.P.M.S.





51.3-8
15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

34

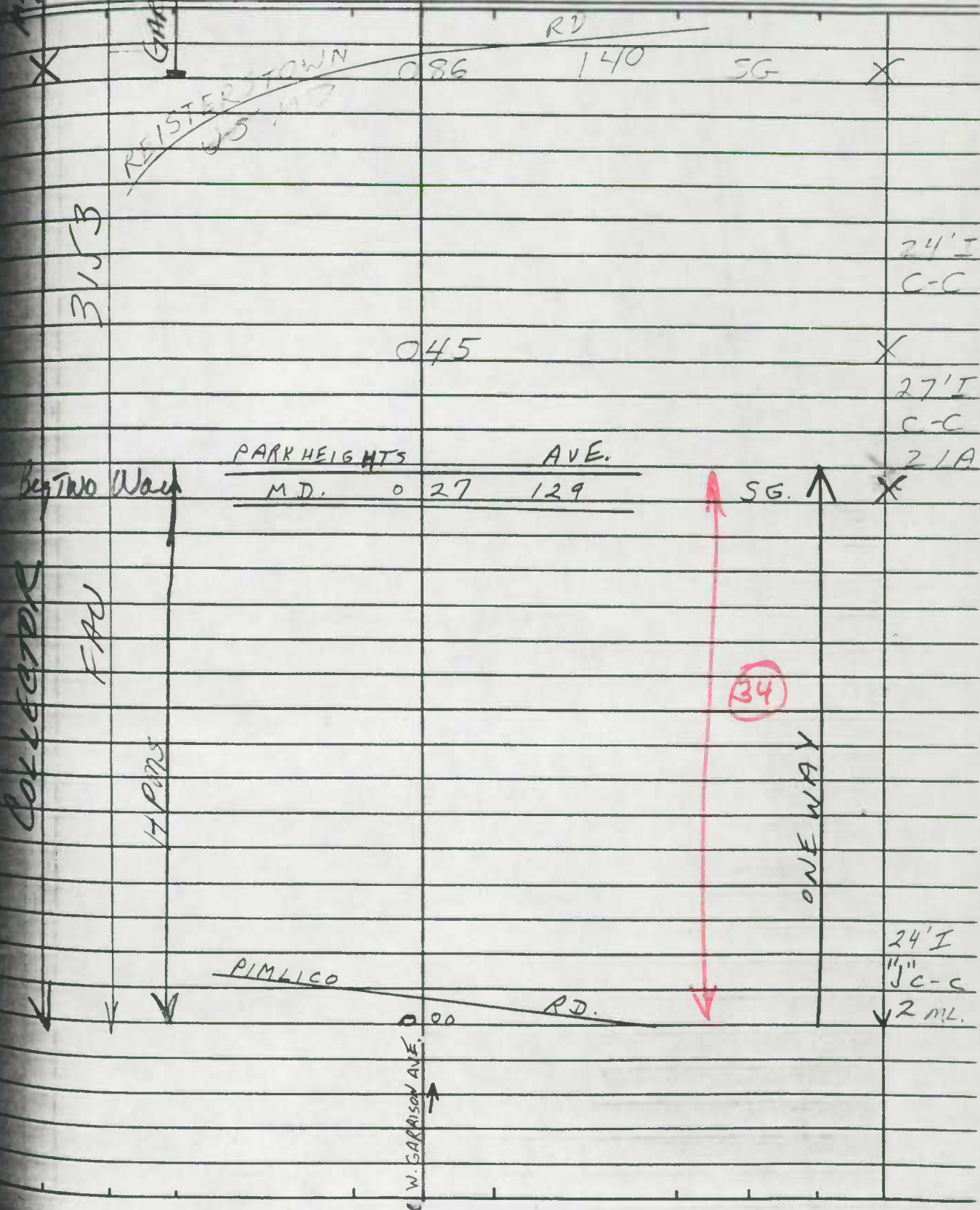
ROAD INVENTORY SHEET

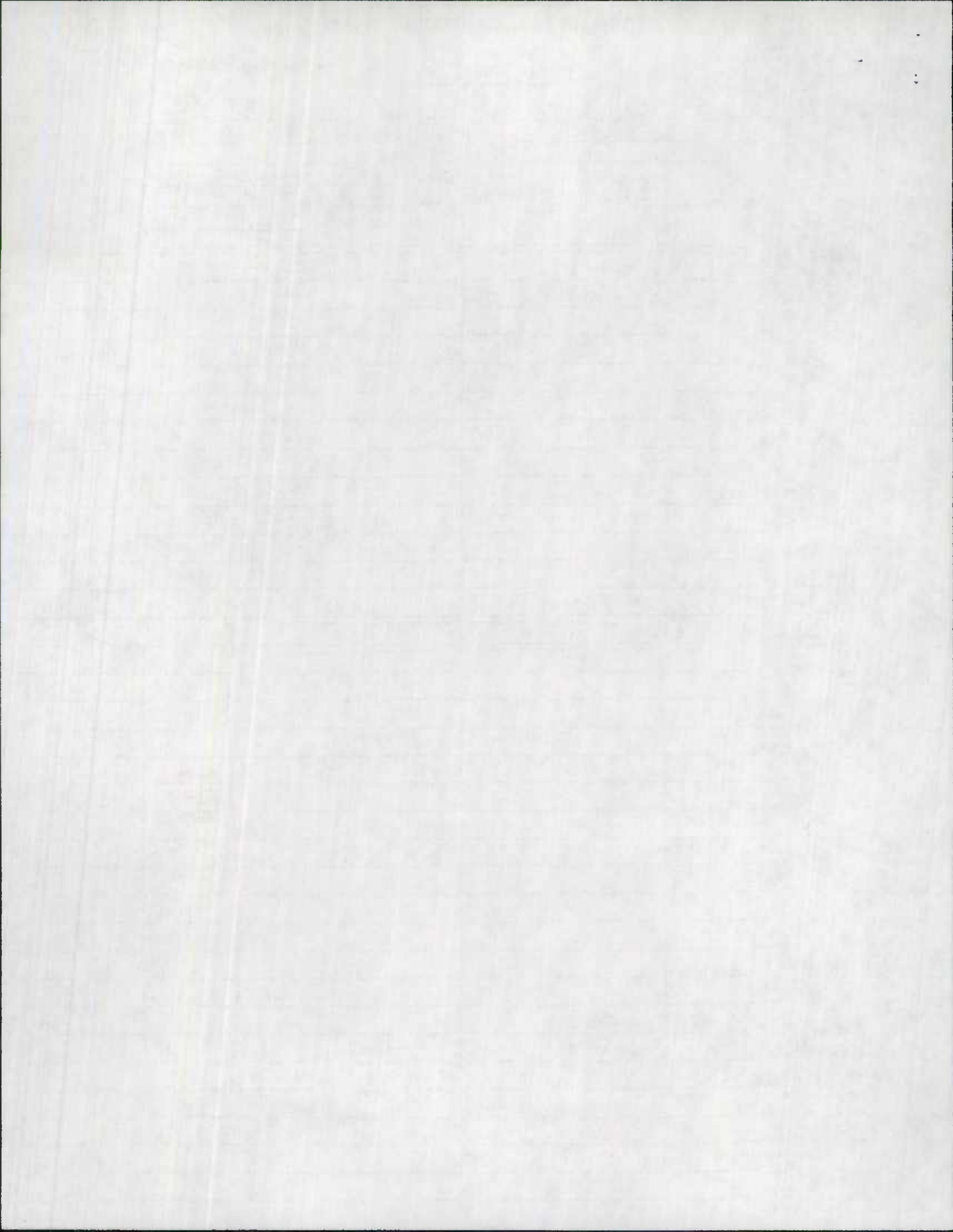
W. GARRISON BLVD.

City Chief T. LONDON
Recorder F. RHODES
Inspector _____

Road No. MUN. 2170
Road Name W. GARRISON AVE.
Sheet No. 1 OF 3
Date 1/28/76
County BALT. CITY
State Coordinates _____

Map No. GARRISON BLVD.





ROAD INVENTORY SHEET

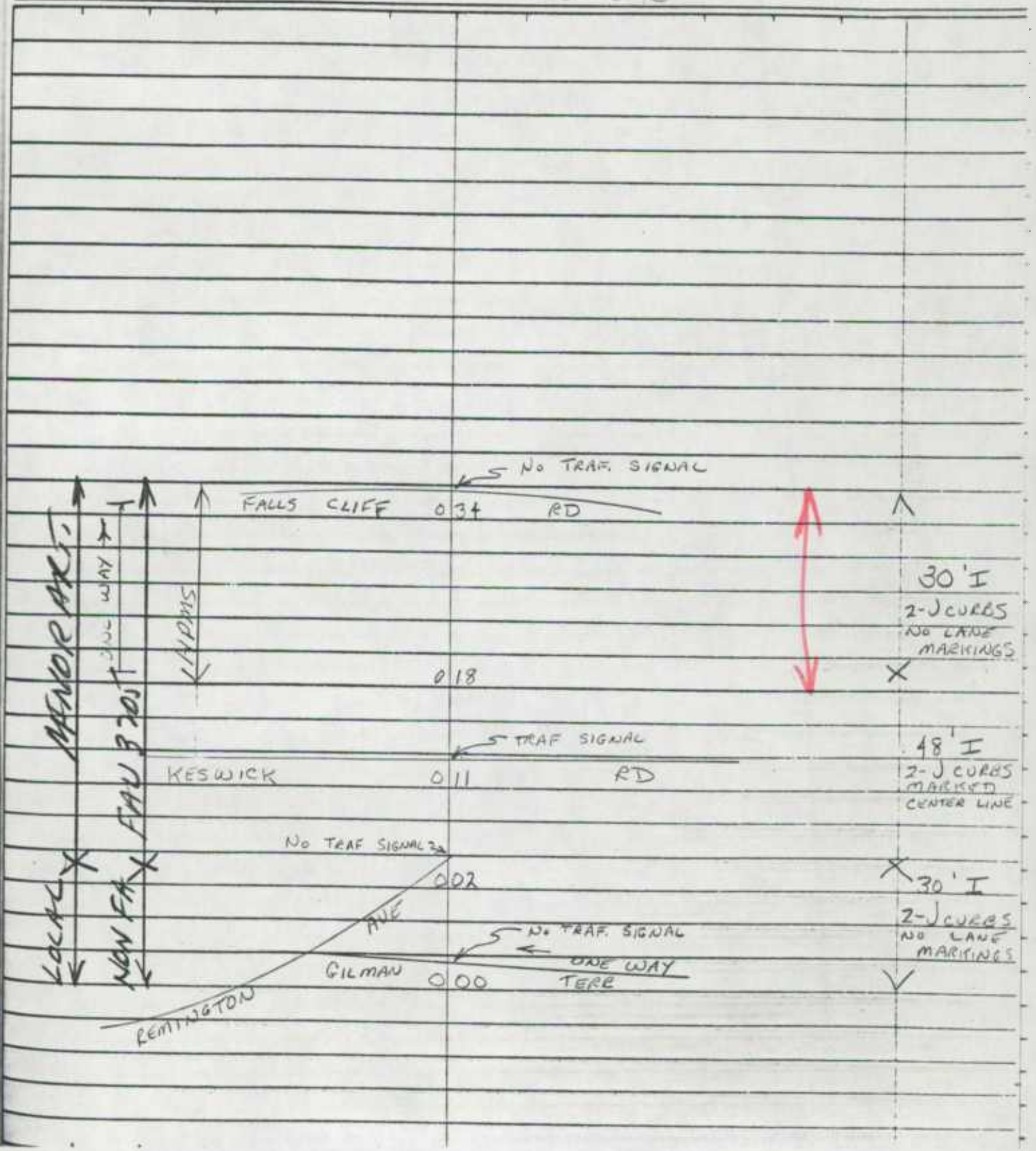
Party Chief E. SCHUYLER
Recorder W. DOMBROSKI
Helper _____

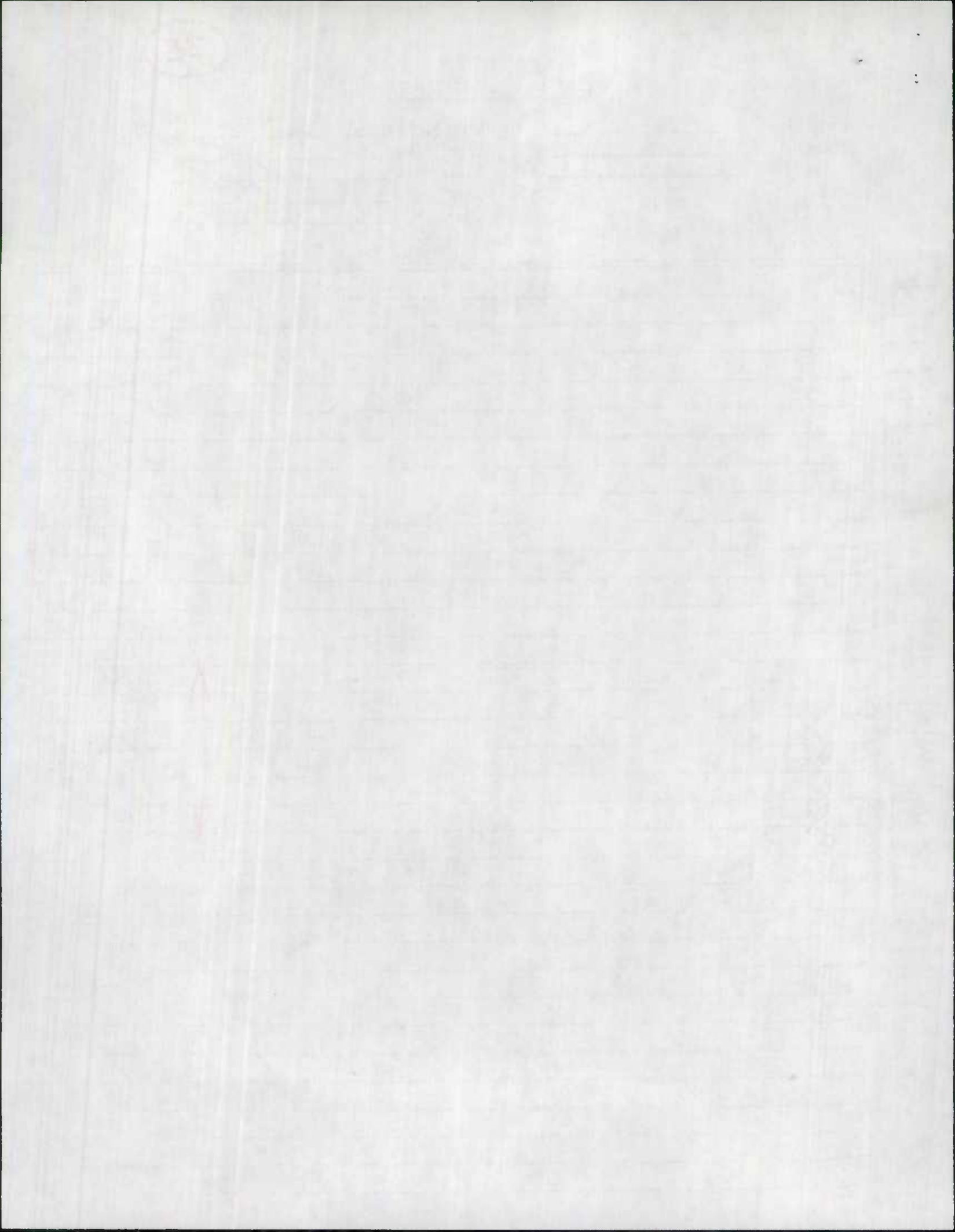
Road No. 2240
Road Name W. 33RD ST
Sheet No. 1 OF 1
Date 10-11-72
County BALTIMORE CITY



C14

905-545





ROAD INVENTORY SHEET

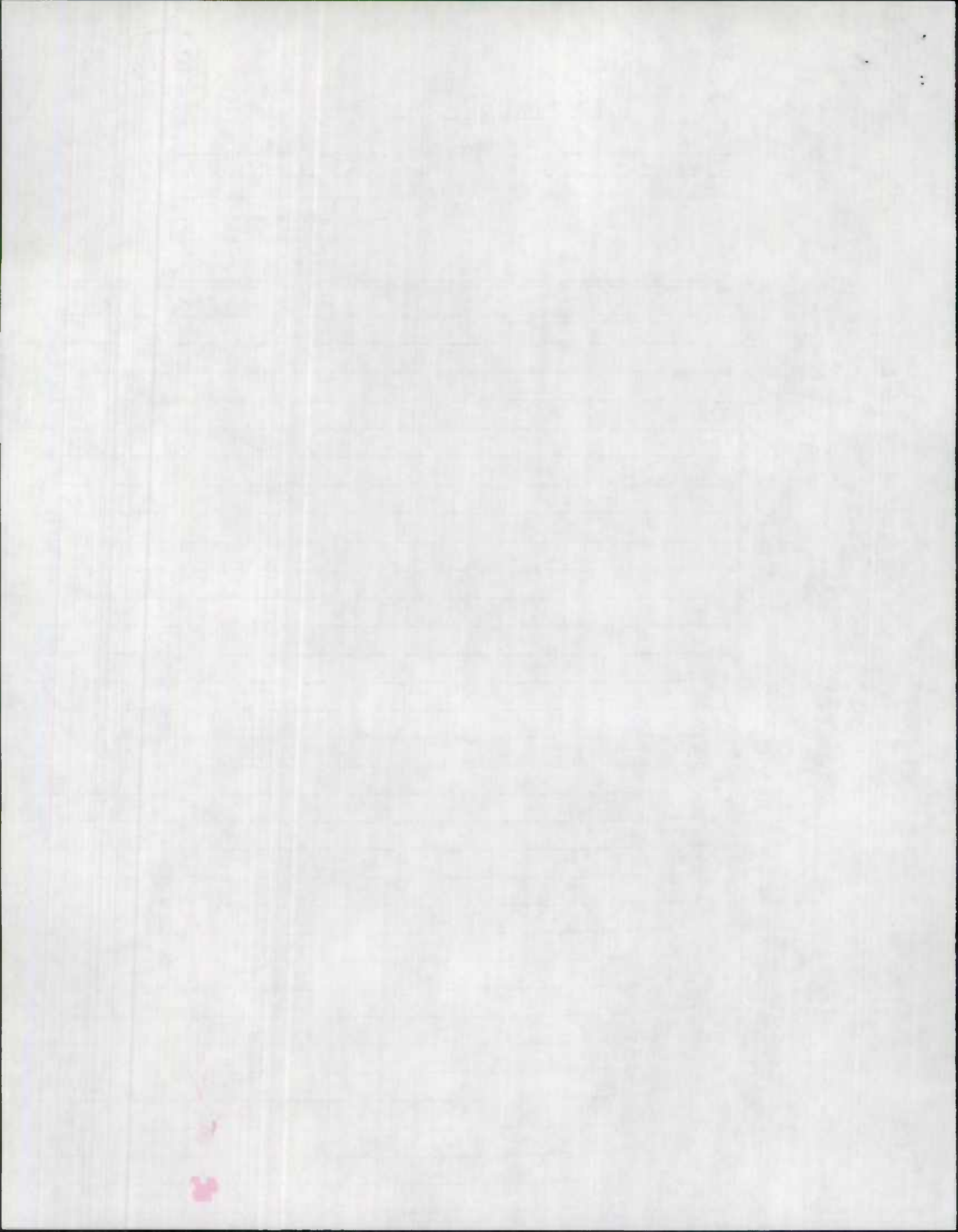
Party Chief E SCHUYLER
 Recorder W. DOMAROSKI
 Helper _____

Road No. 2300
 Road Name OLD FREDERICK RD
 Sheet No. 1 OF 2
 Date 10-10-72
 County BALTIMORE CITY
BB7-531

9
↑

	100	MORLEY ST	132			
	108			ST JOSEPH'S MONASTERY CH		
3859	105			CHURCH		
	103	TRAFF SIGNAL →		S. MONASTERY AVE	PT	
	096			IRVINGTON ELEM SCH	PC	25' I
	080					2-CURBS MARKED CENTER LINE
3860	063	ENT. TO CEMETERY				26' I
	052	TRAFF. SIGNAL →		N. ATHOL AVE		2-CURBS MARKED CENTER LINE
	017					40' I
	009			EDMUNDS U.S.		2-CURBS
	000				NO TRAFF. SIGNAL	NO LANE MARKINGS
					AVE TO	



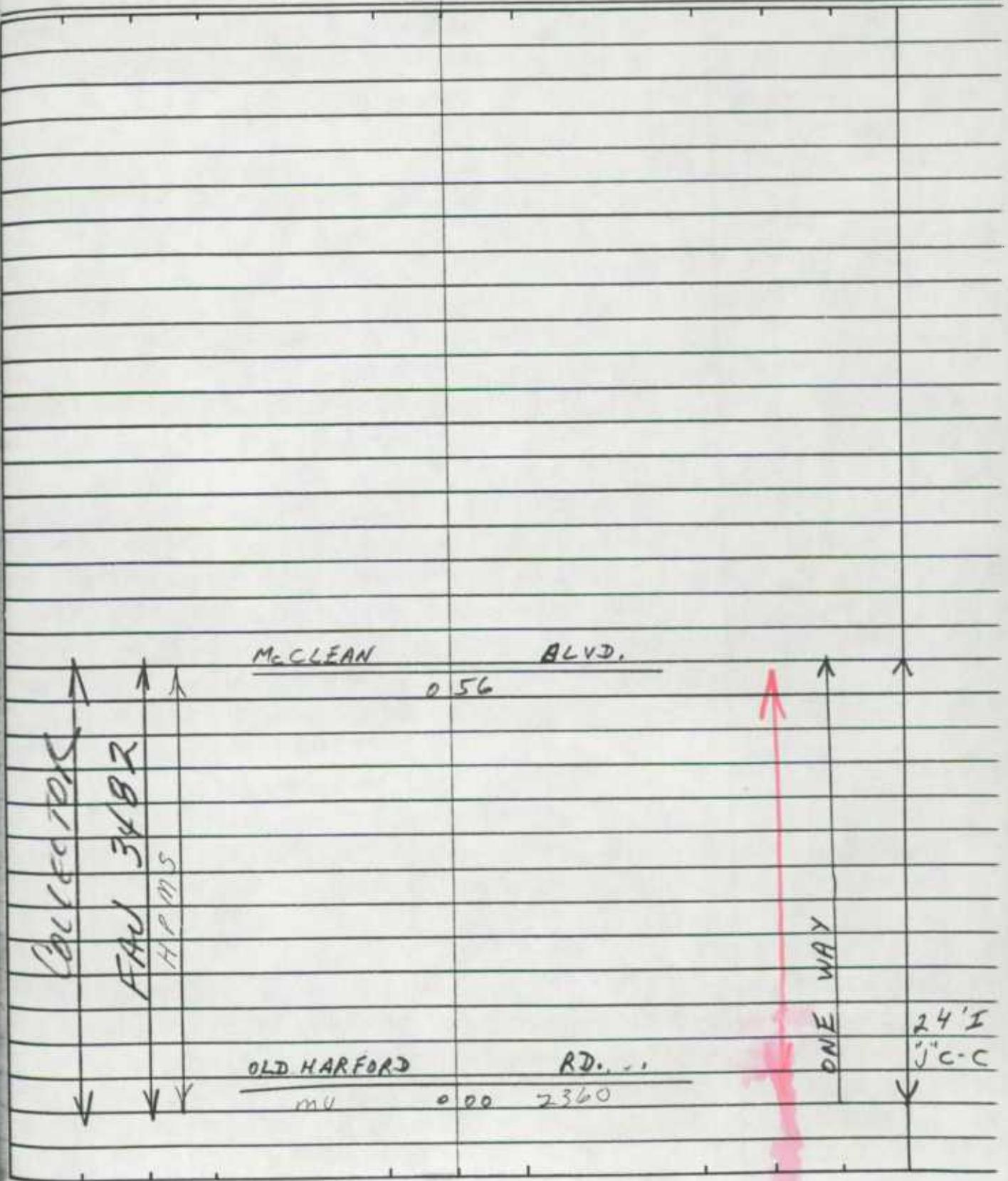


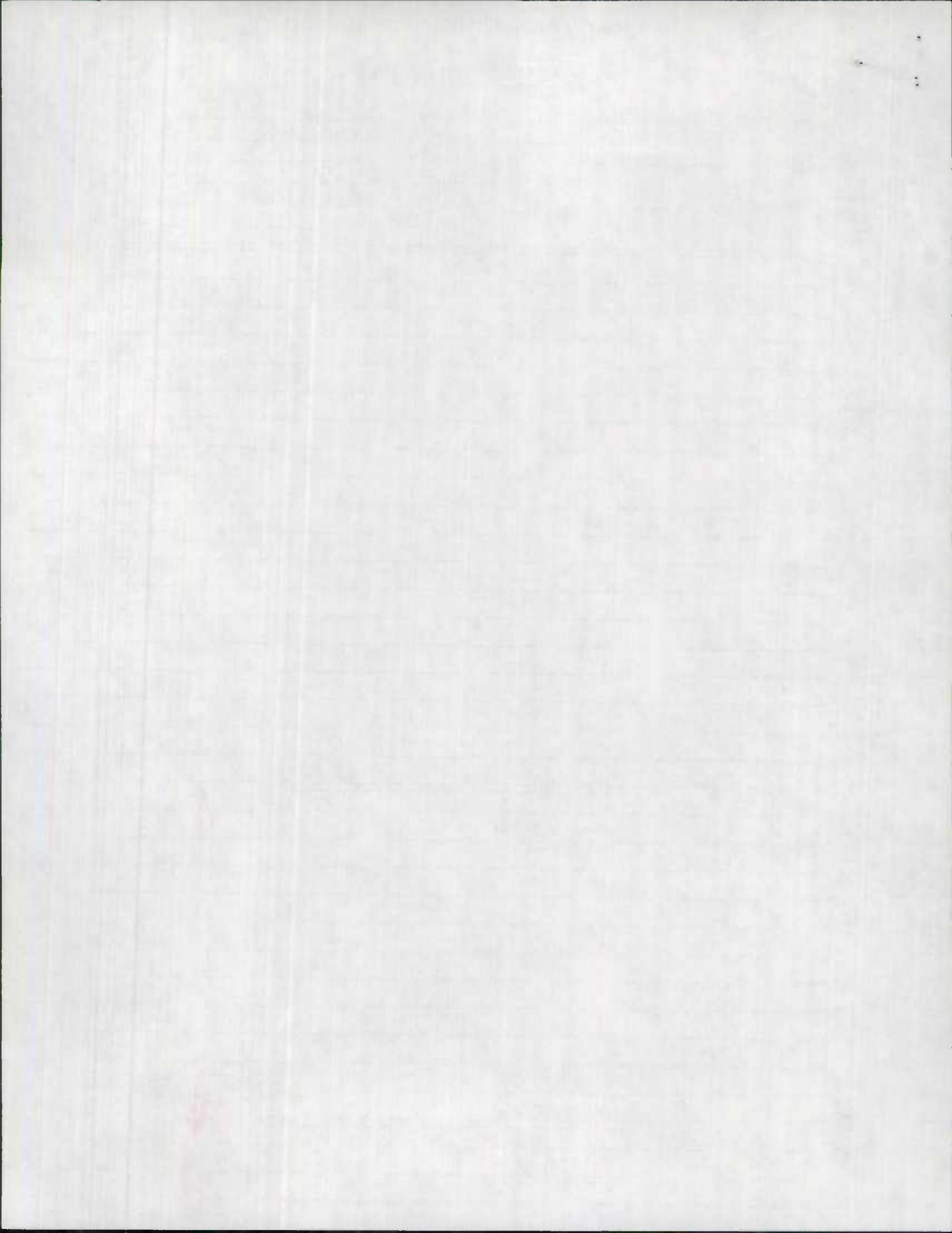
ROAD INVENTORY SHEET

Party Chief T. LANDON
Recorder F. RHODES
Helper _____

Road No. MUN. 2400
Road Name HEMLOCK AVE.
Sheet No. 1 OF 1
Date 2/3/76
County BALT. CITY
State Coordinates 125-500

Map No. C100



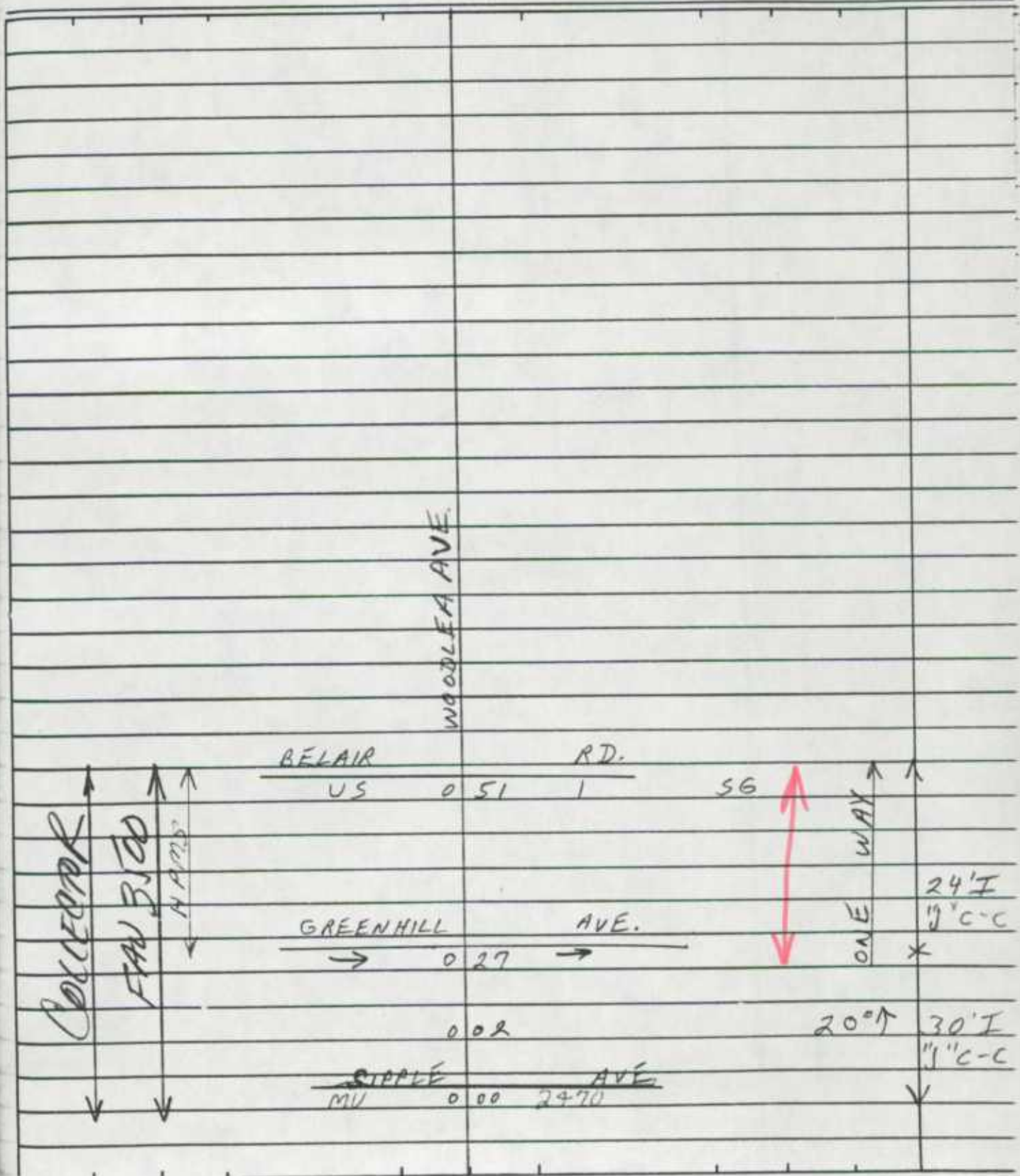


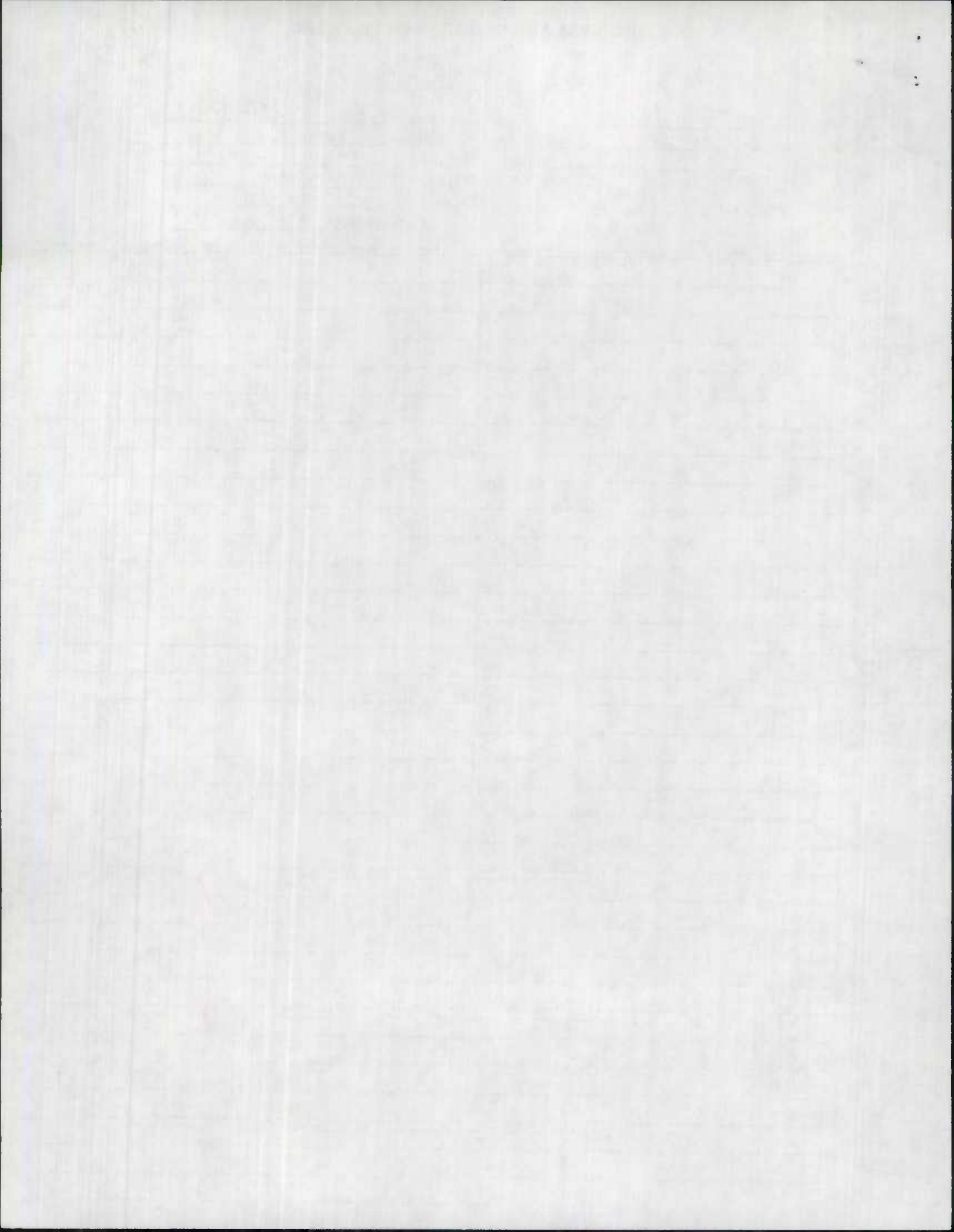
ROAD INVENTORY SHEET

Party Chief T. LANDON
Recorder F. RHODES
Helper _____

Road No. MUN. 2465
Road Name WOODLEA AVE.
Sheet No. 1 OF 1
Date 2/4/76
County BALT. CITY
State Coordinates 37-10-54N

Map No. _____



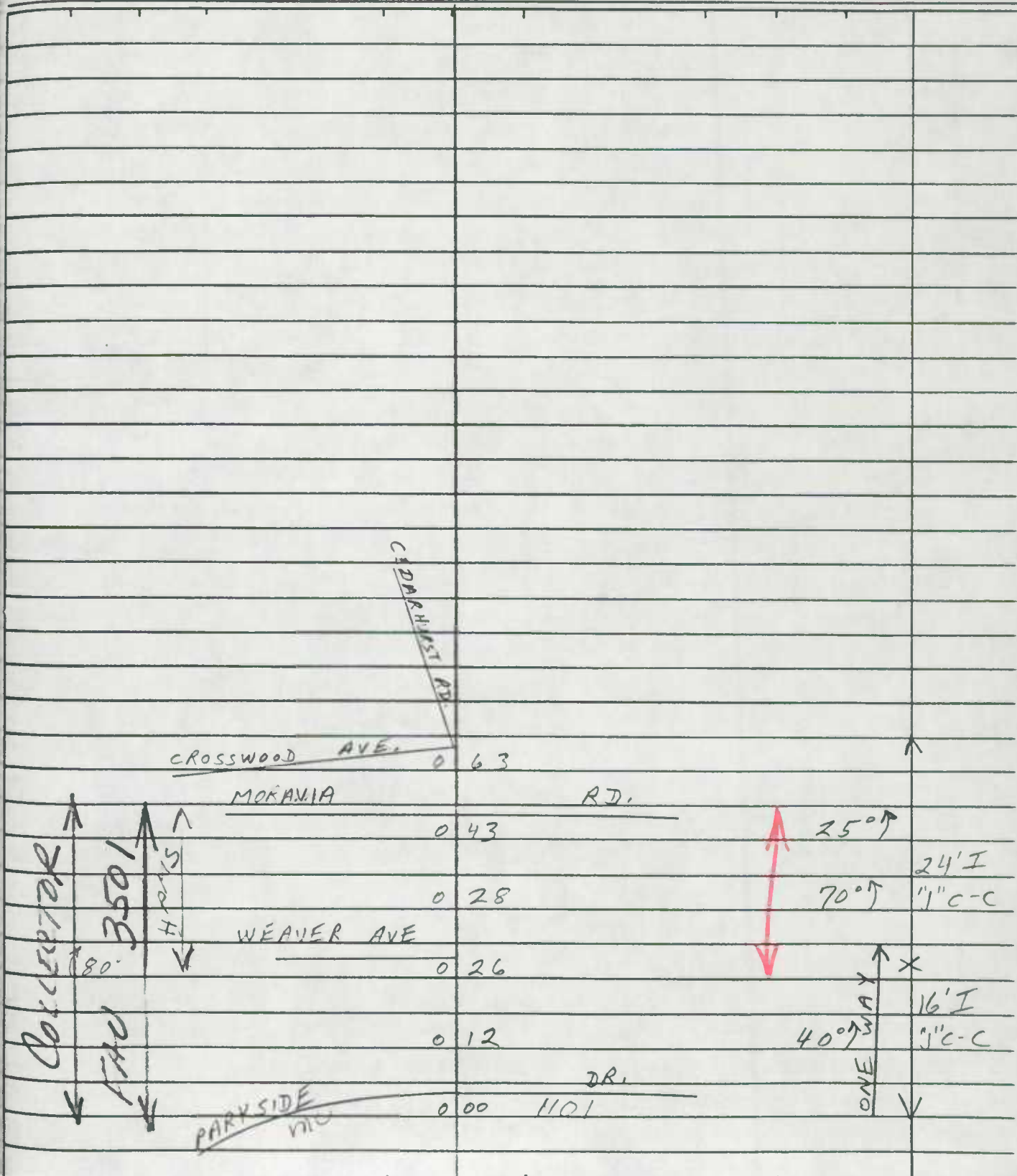


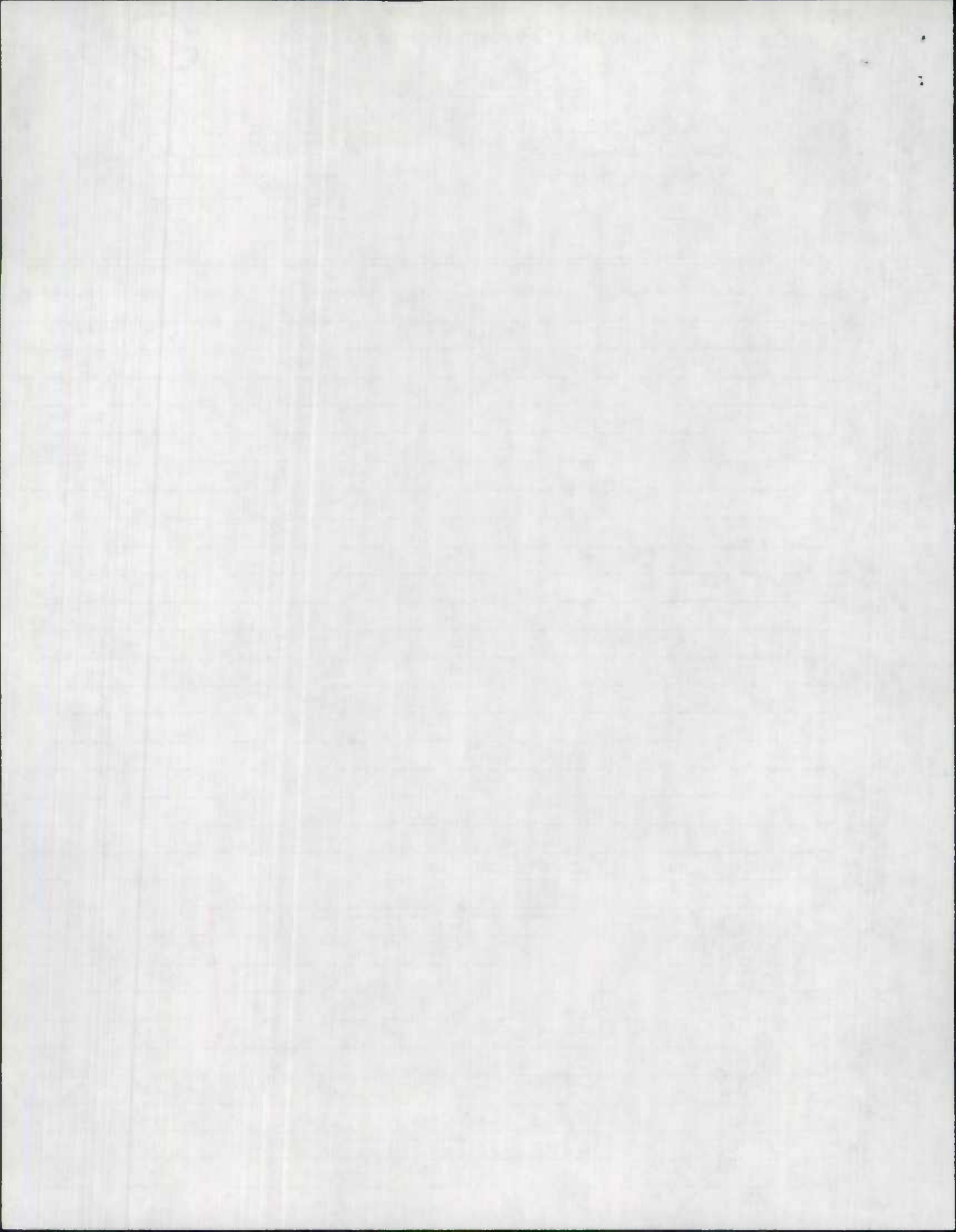
ROAD INVENTORY SHEET

Party Chief T. LANDON
Recorder F. RHODES
Helper _____

Road No. MUN. 2505
Road Name HARCOURT RD.
Sheet No. 1 OF 1
Date 2/4/76
County BALT. CITY
State Coordinates _____

Map No. _____



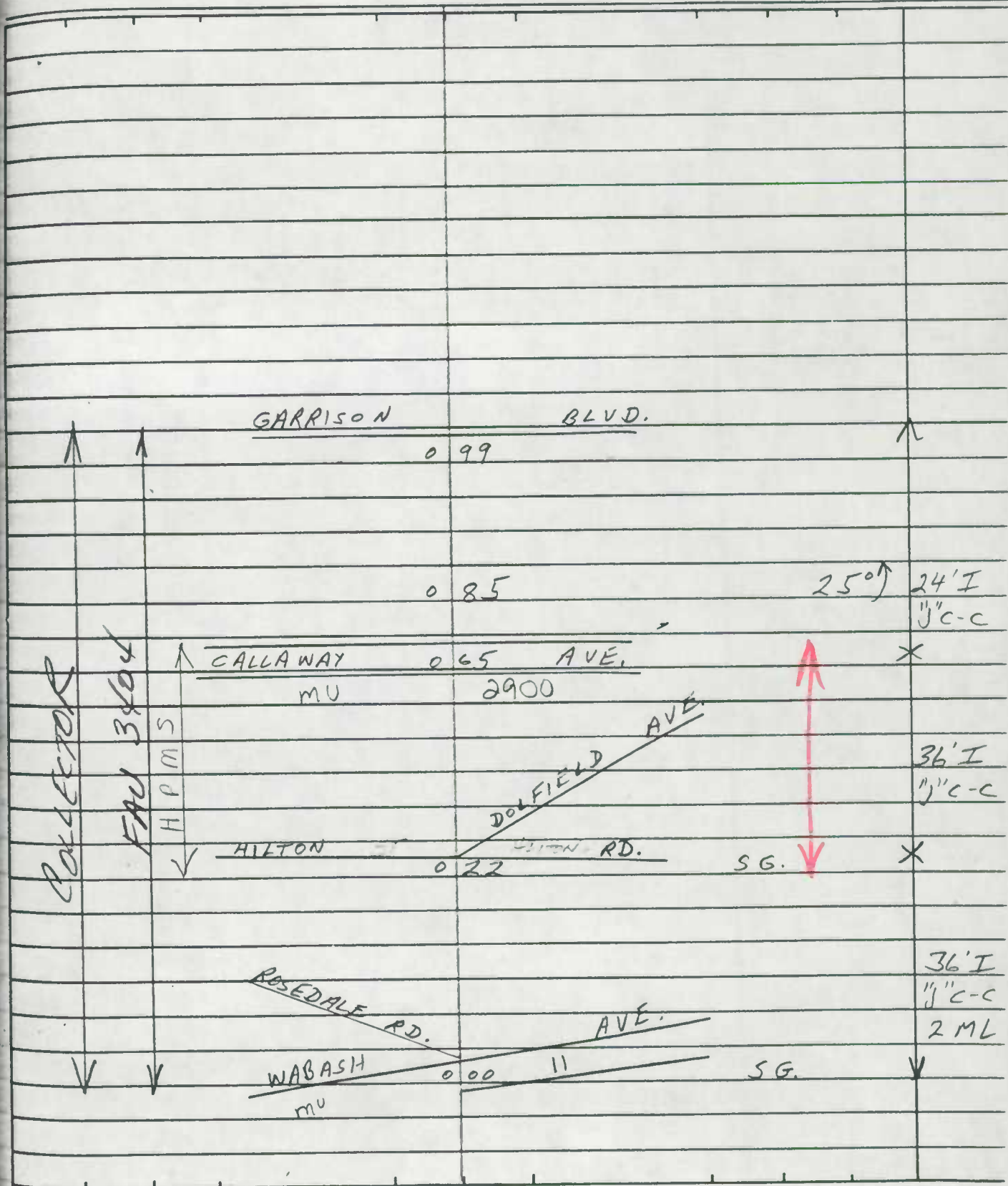


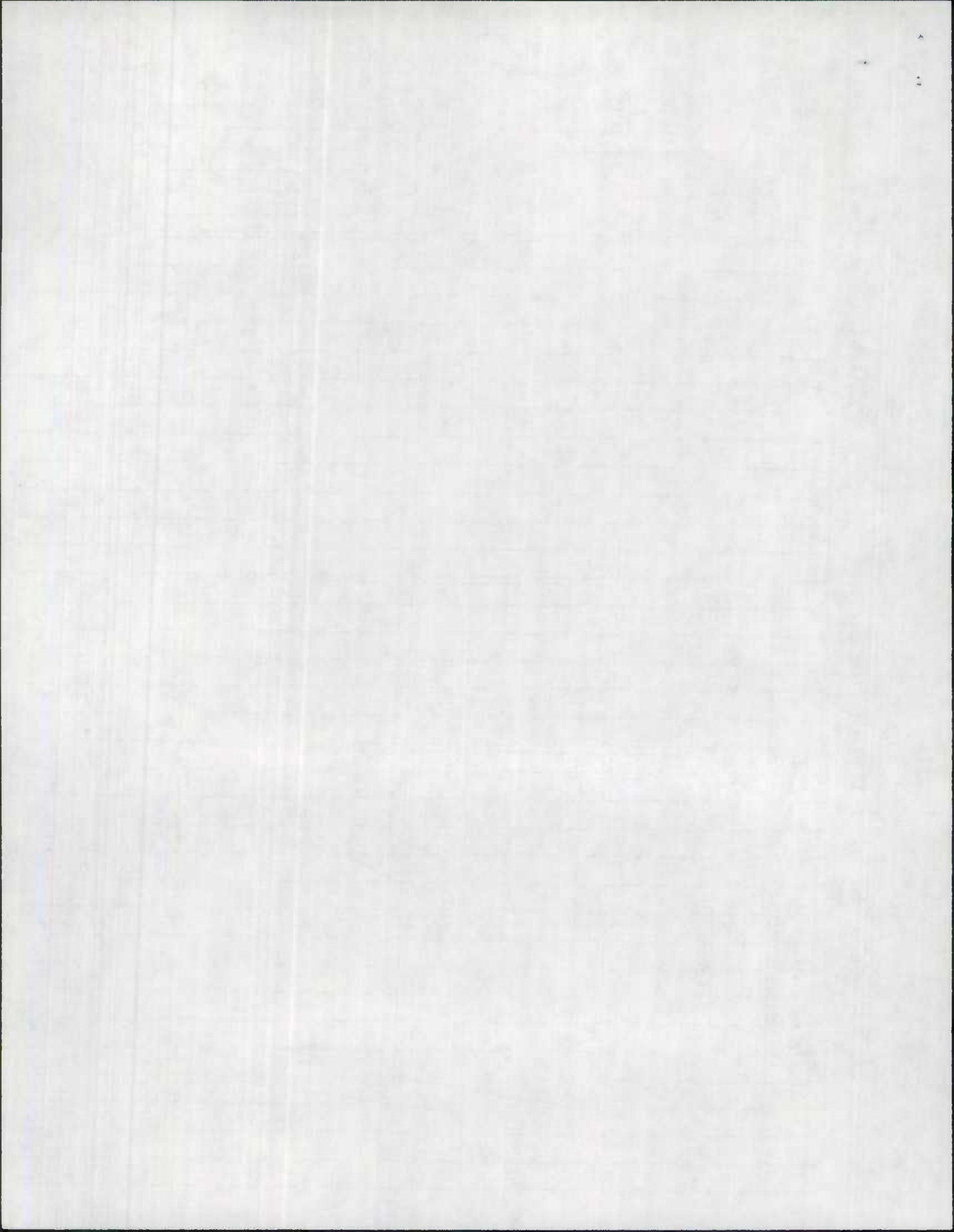
ROAD INVENTORY SHEET

Party Chief T. LANDON
Recorder F. RHODES
Helper _____

Road No. MUN. 2875
Road Name SEQUOIA AVE.
Sheet No. 1 OF 1
Date 1/28/76
County BALT. CITY
State Coordinates 500-516

Map No. _____





ROAD INVENTORY SHEET

Party Chief _____
Recorder _____
Helper _____

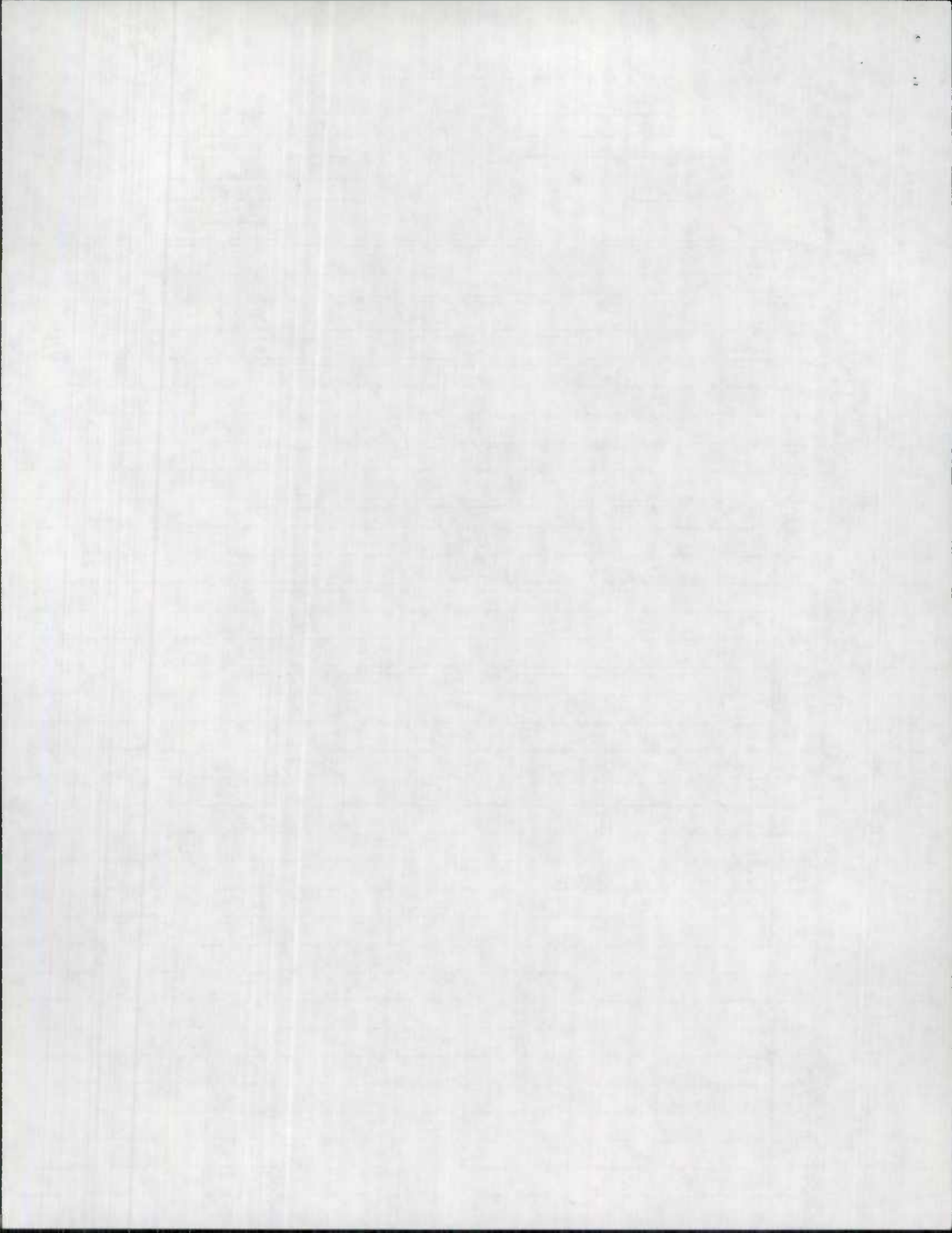
Road No. MU 2510
Road Name HILTON ST
Sheet No. 3 OF 4
Date _____
County _____
State Coordinates _____

Map No. _____

OTHER PLYM. ARCH
FAU 5009

LIBERTY	322	HEIGHTS AVE	SG	X
<small>MD</small>			<small>26</small>	36'I
POWATAN	305	AVE		C-C 2 LA
GWYNNS	251	FALLS PKWY	SG	X
WINDSOR		AVE		
	236		SG	
	230			
BLOOMINGDALE		RD		
	226		SG	32'I C-C
W NORTH		AVE		2 M.L.
	214		SG	X
FRANKLINTOWN	166	#2208 ROAD		
	165			
GWYNNS		FALLS		
40'I C-C ARCH	163			
	156			
BRANCH OF	136	#2209		
Y	135	GWYNNS FALLS		
ARCH				
40'I C-C				
4 m.L	134			SAME



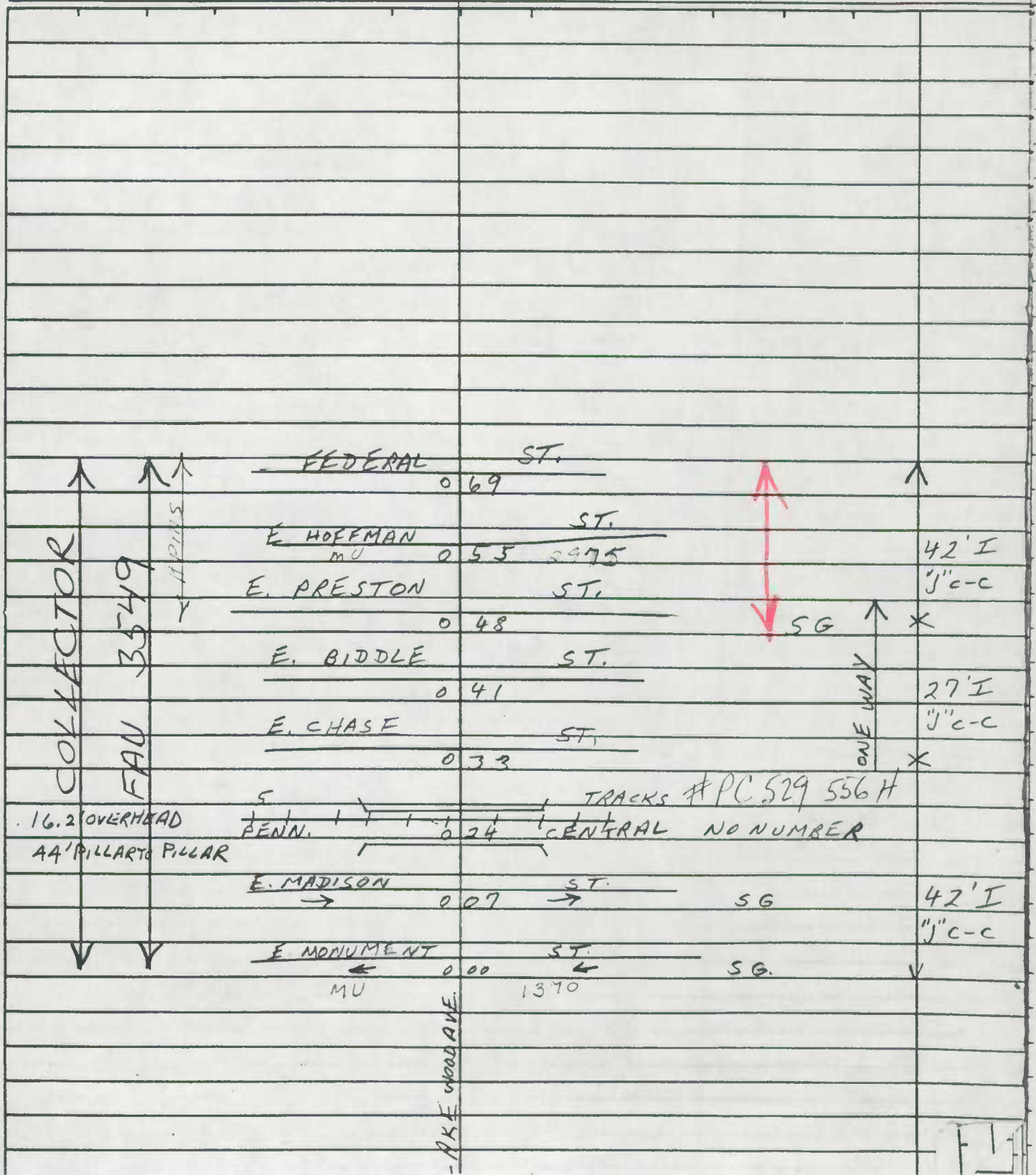


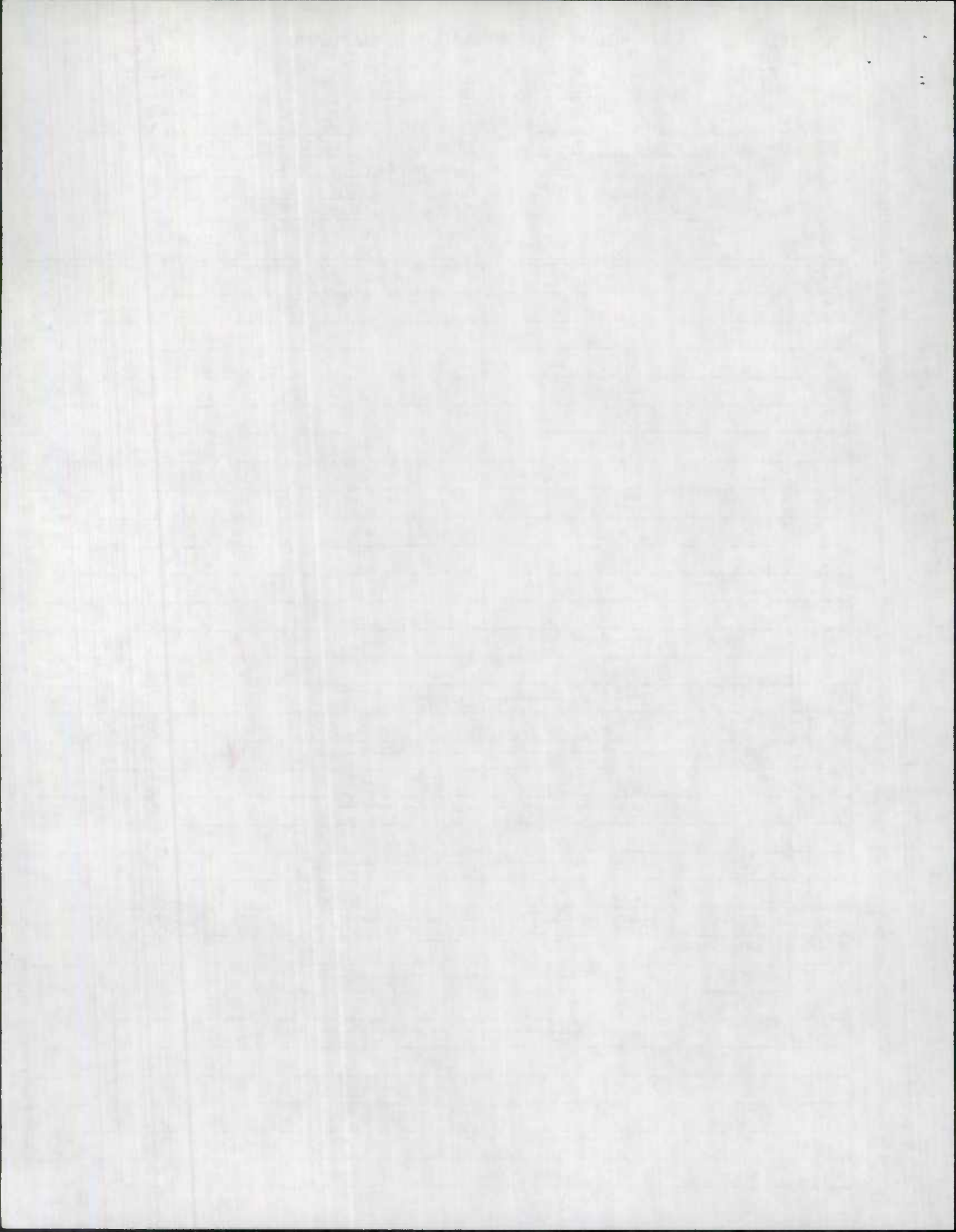
ROAD INVENTORY SHEET

Party Chief T. LONDON
Recorder F. RHODES
Helper _____

Road No. MUN. 2955
Road Name N. LAKEWOOD AVE.
Sheet No. 1 OF 1
Date 2/5/76
County BALTCITY
State Coordinates _____

Map No. _____



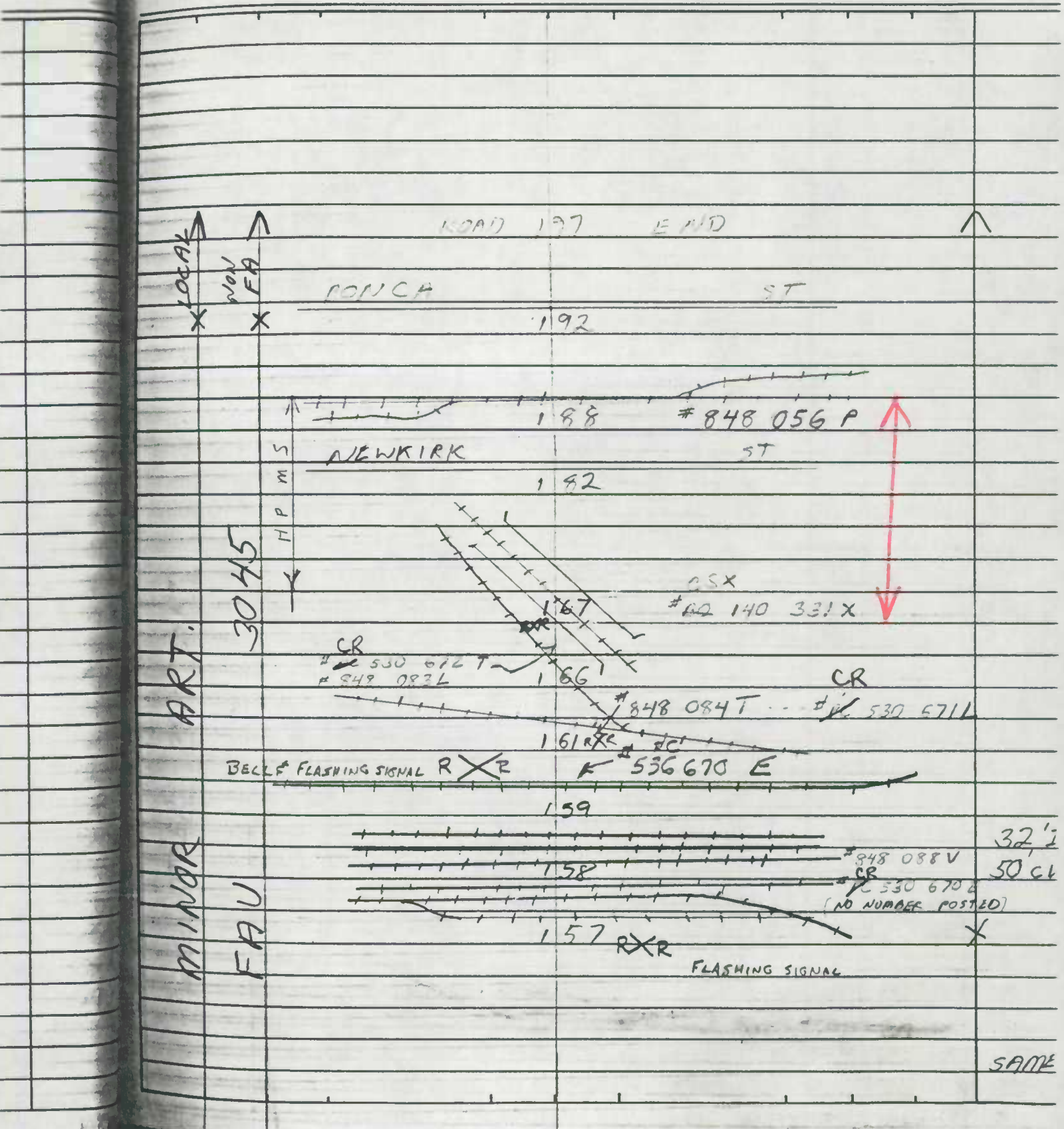


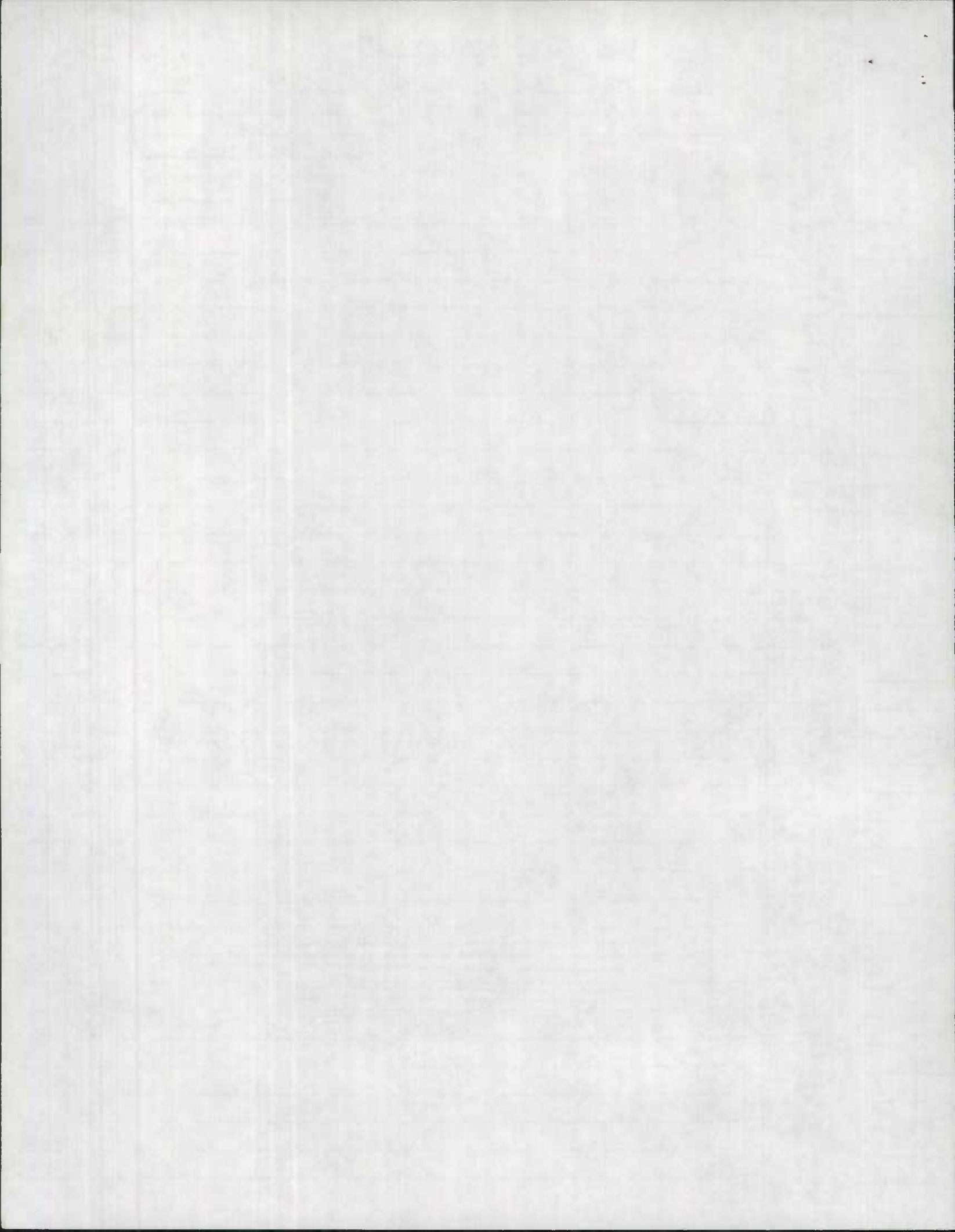
ROAD INVENTORY SHEET

Party Chief M. ZALENSKI
Recorder C. MARTIN
Helper _____

Road No. MUN 3040
Road Name BOSTON ST
Sheet No. 3 OF 3
Date 12-1-76
County BALTO CITY
State Coordinates _____

Map No. _____





SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

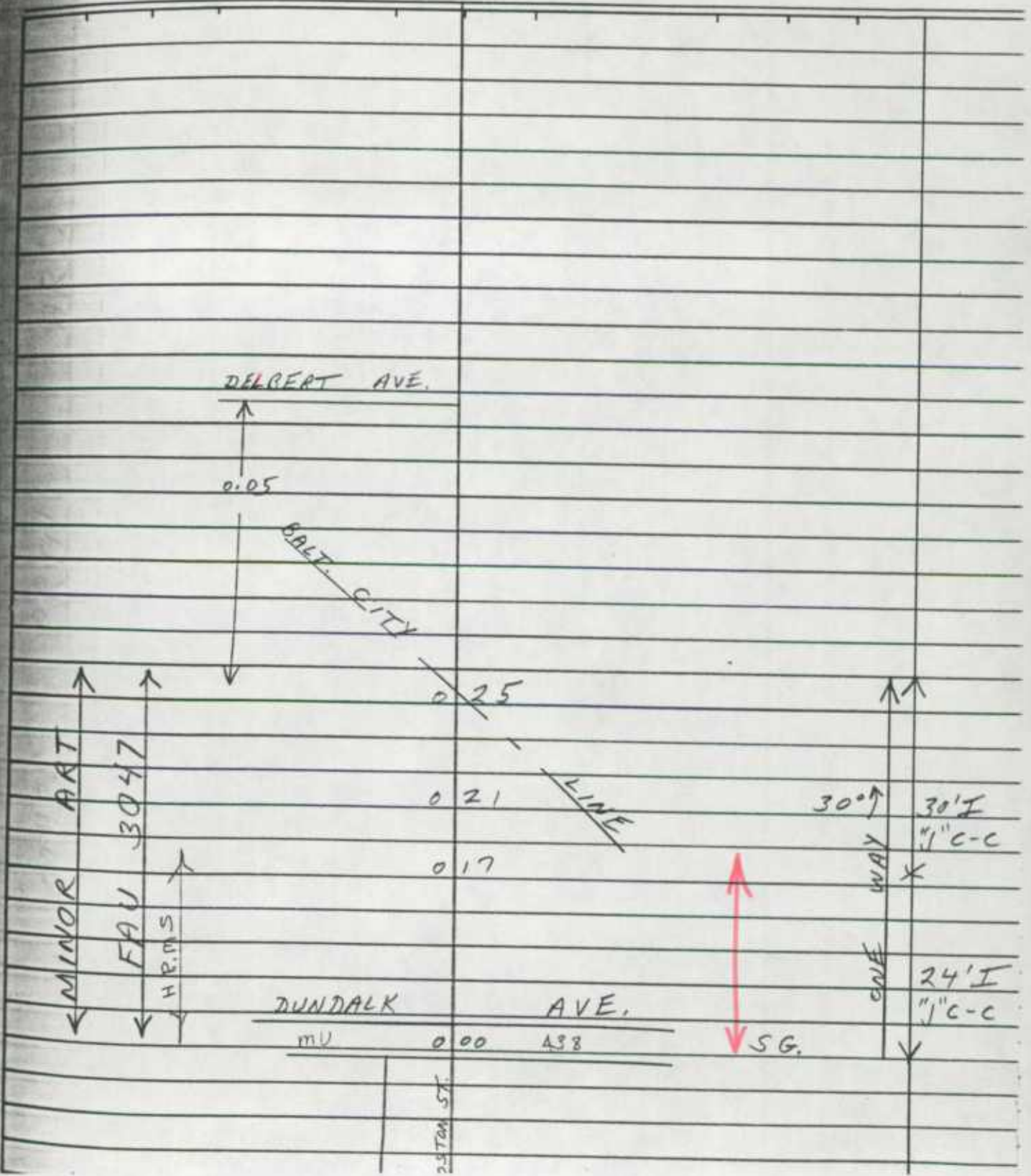
44

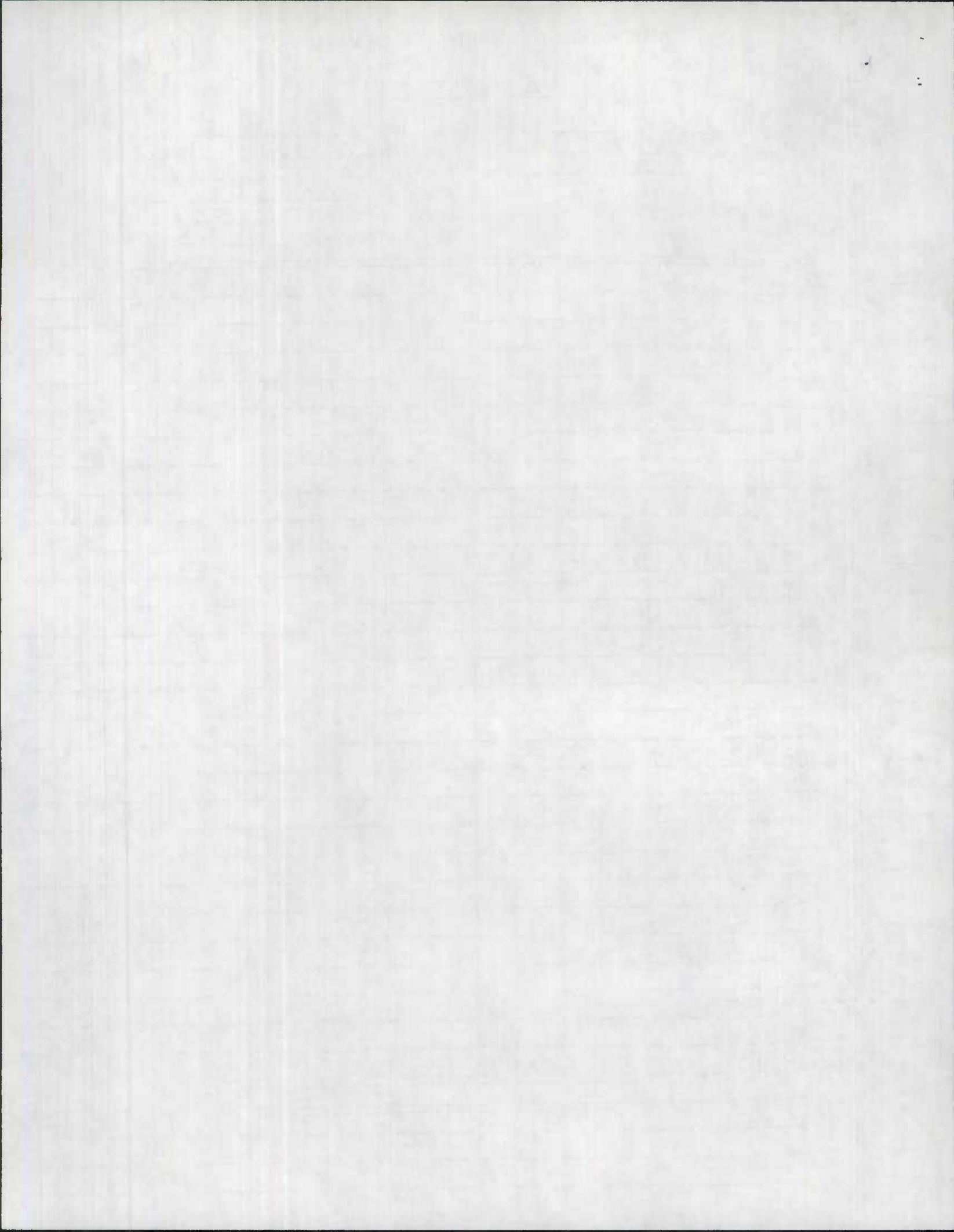
ROAD INVENTORY SHEET

Party Chief T. LONDON
Recorder F. RHODES
Helper _____

Road No. MUN. 3050
Road Name BOSTON AVE.
Sheet No. 1 OF 1
Date 2/4/76
County BALT. CITY
State Coordinates 921-5210

Map No. D13





SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

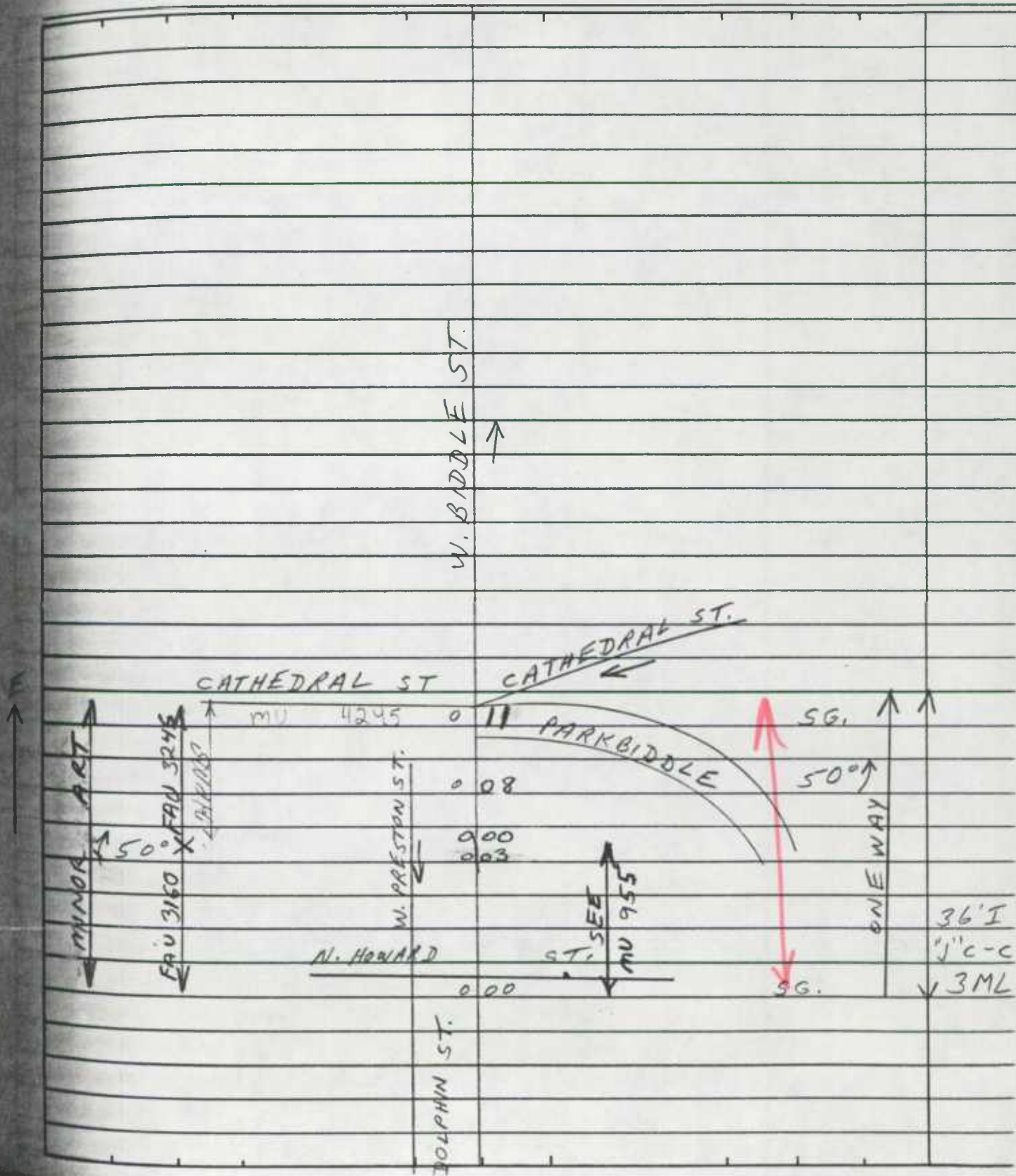
ROAD INVENTORY SHEET

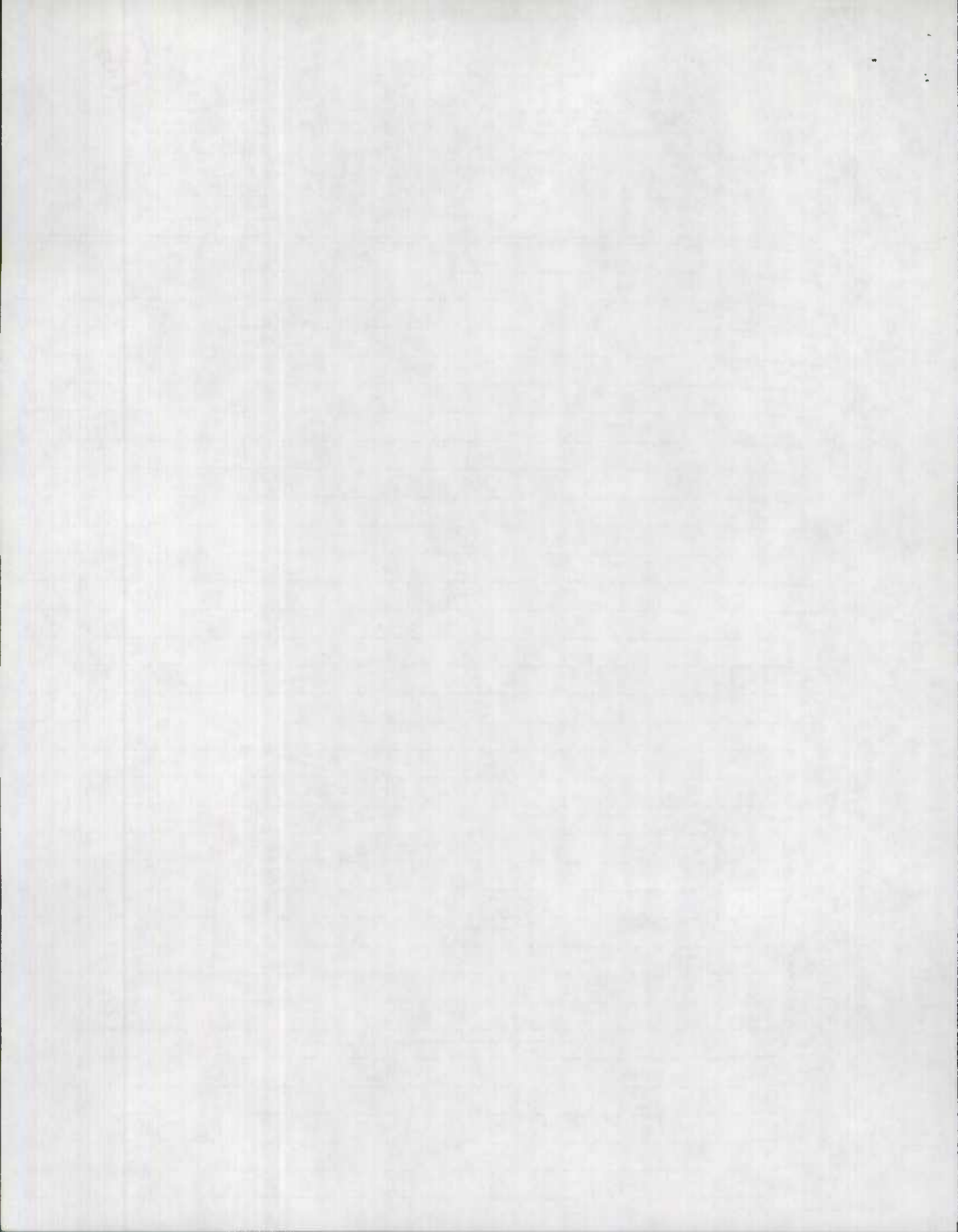
45

Party Chief J. LANDON
Recorder F. RHODES
Helper _____

Road No. MUN. 4015
Road Name PARK AVE.
Sheet No. 1 OF 1
Date 2/15/76
County BALT. CITY
State Coordinates _____

Map No. _____



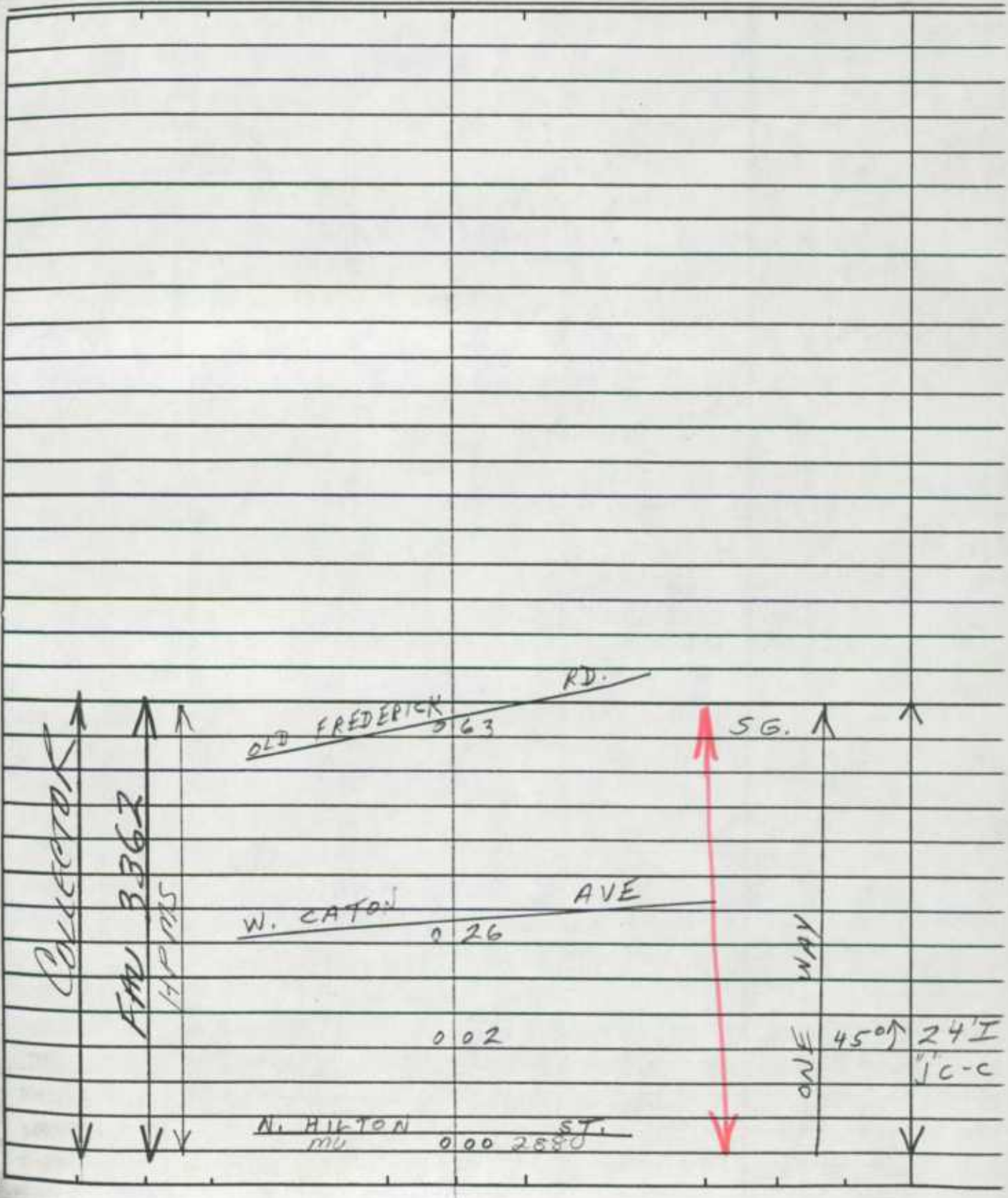


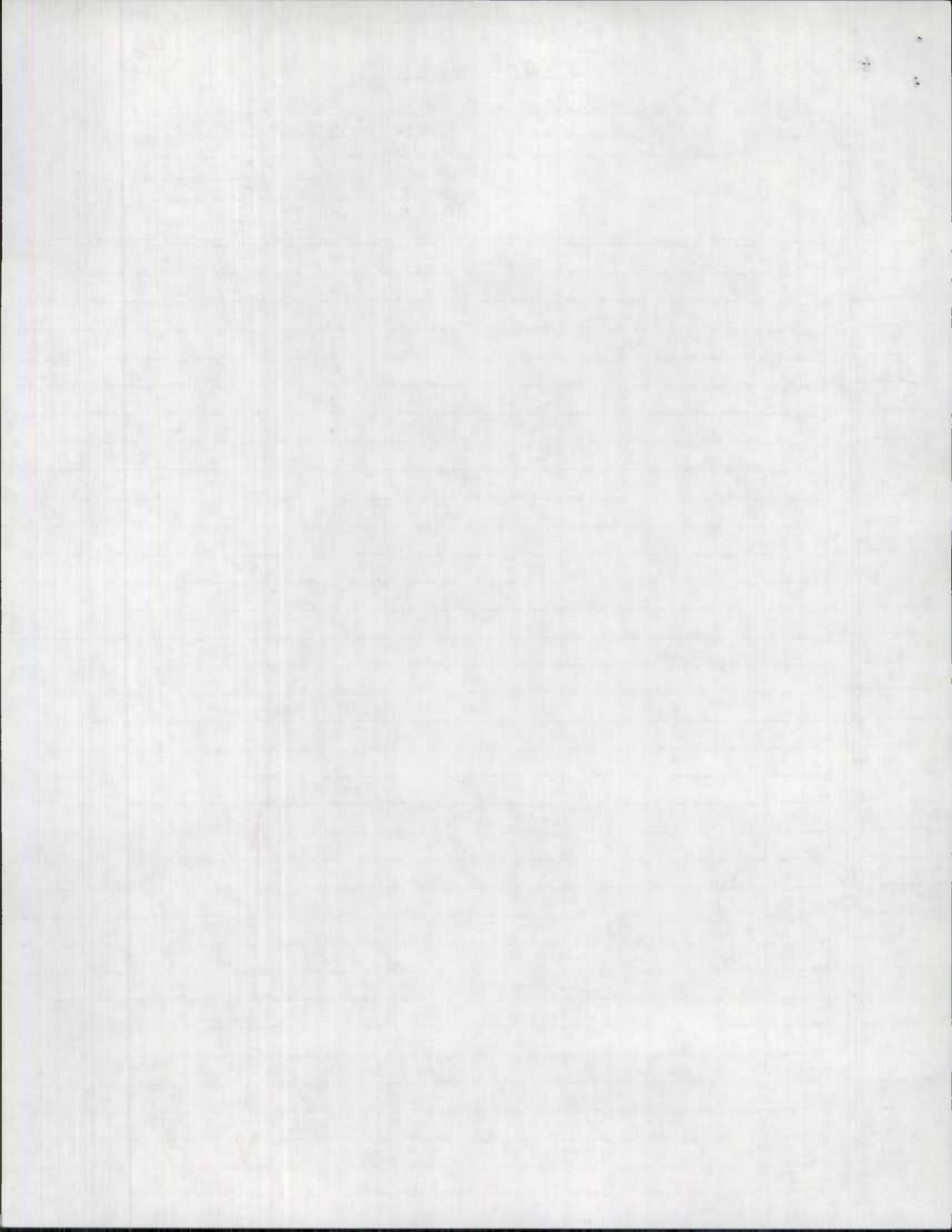
ROAD INVENTORY SHEET

Party Chief T. L. LONDON
Recorder F. R. RHODES
Helper _____

Road No. MUN 4125
Road Name N. MONASTERY AVE.
Sheet No. 1 OF 1
Date 1/27/76
County BALTO. CITY
State Coordinates _____

Map No. _____



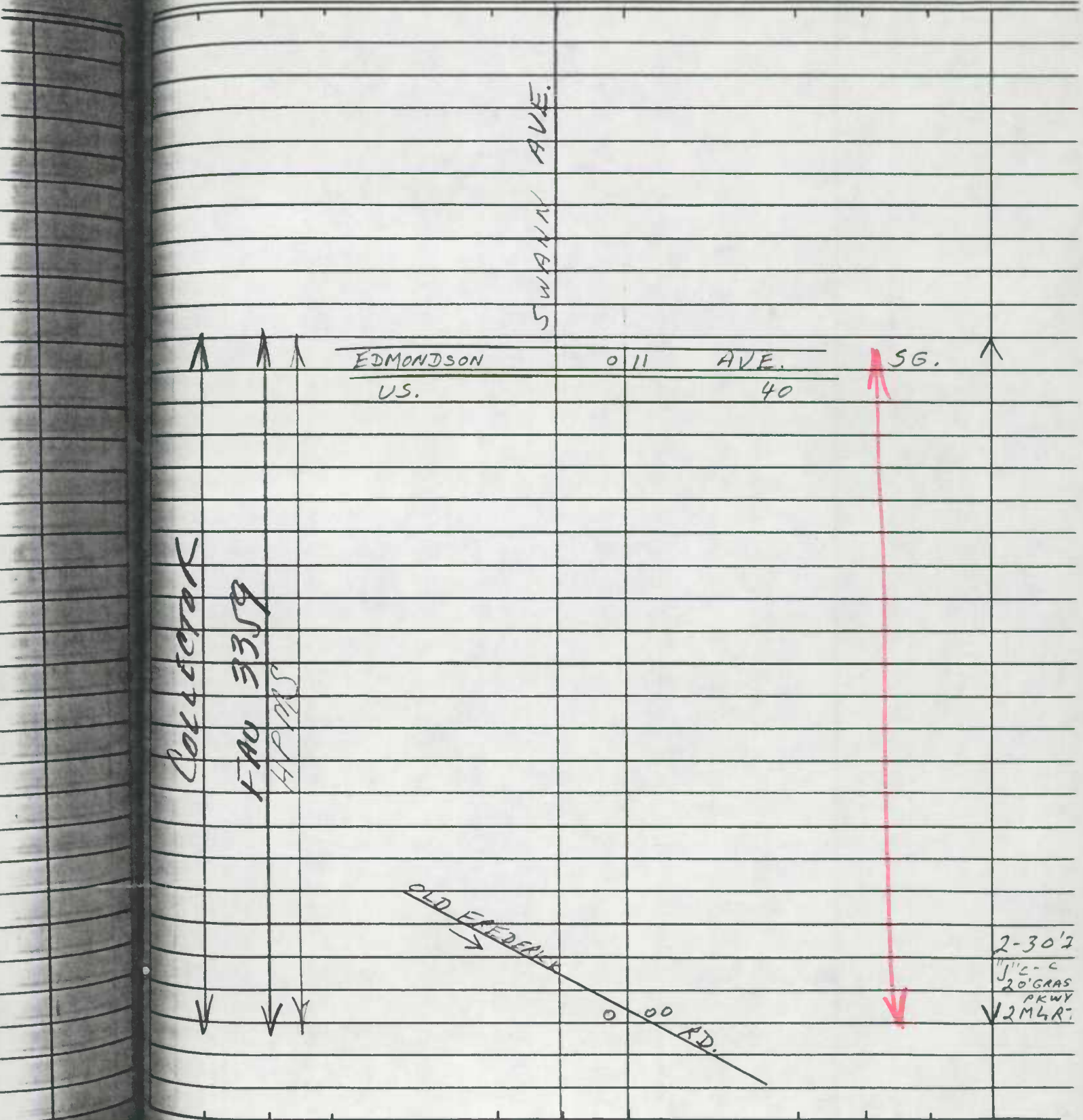


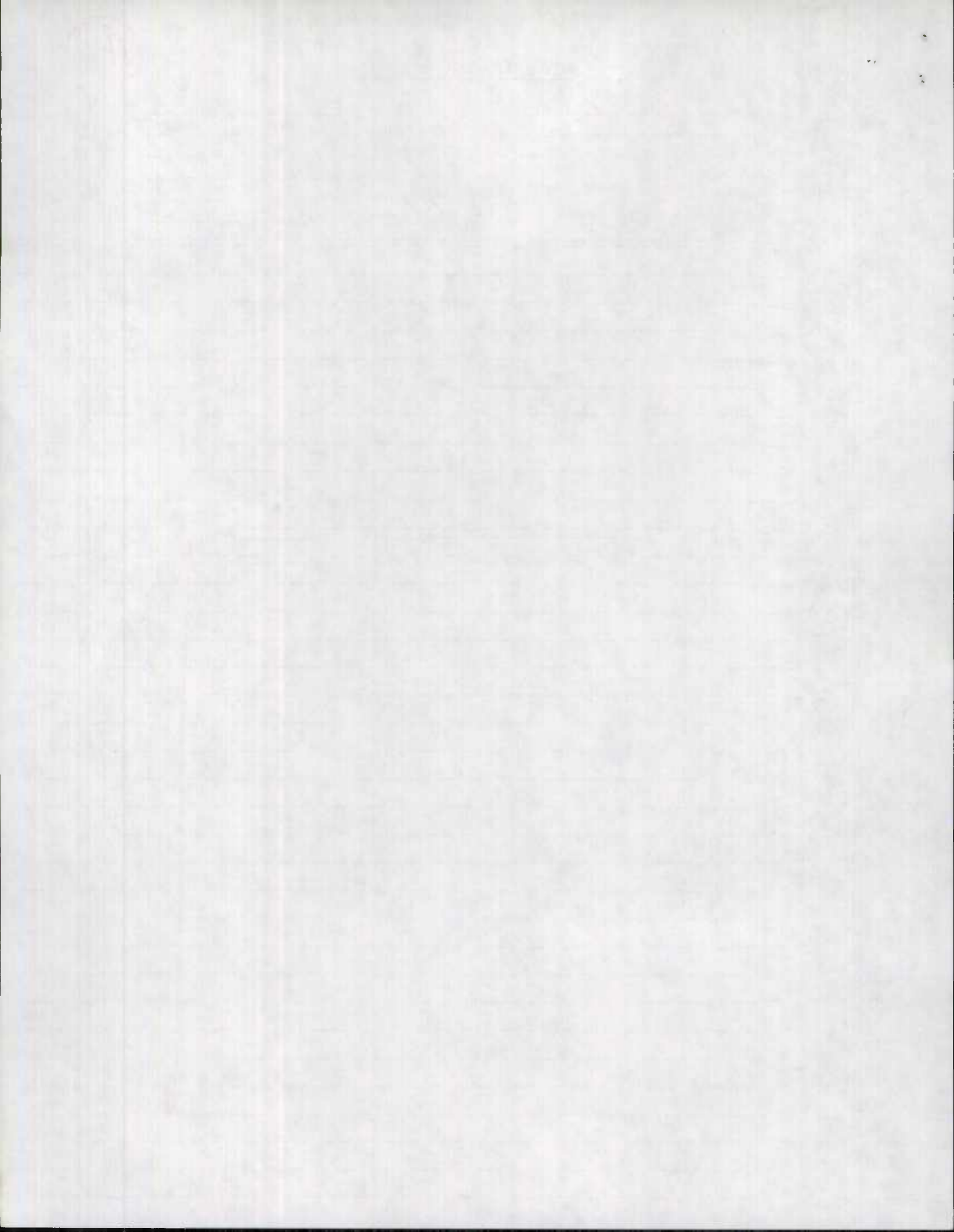
ROAD INVENTORY SHEET

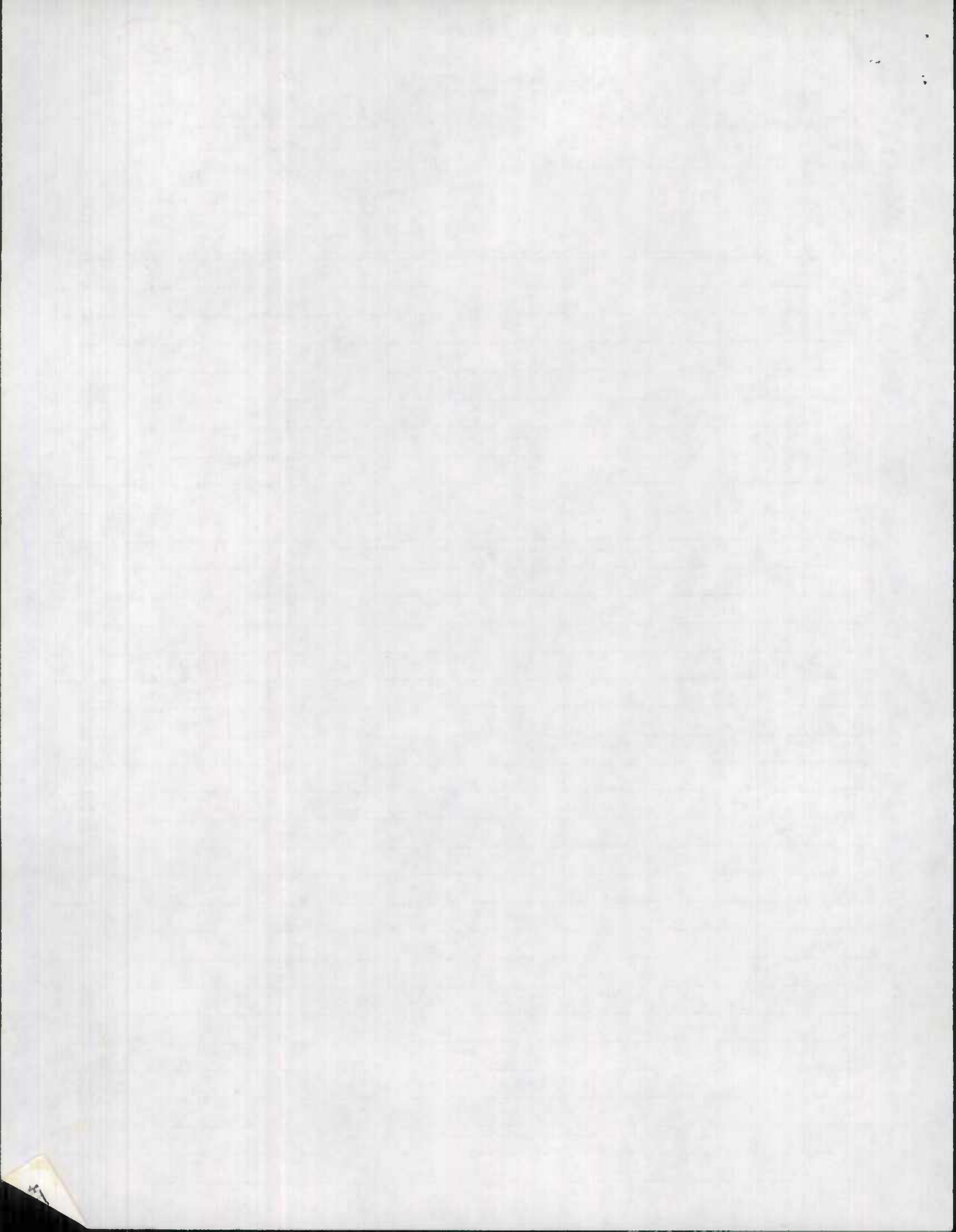
Party Chief T. LANDON
Recorder E. RHODES
Helper _____

Road No. MVA. 4135
Road Name SWANN AVE.
Sheet No. 1 OF 1
Date 1/27/76
County BALT. CITY
State Coordinates _____

Map No. _____





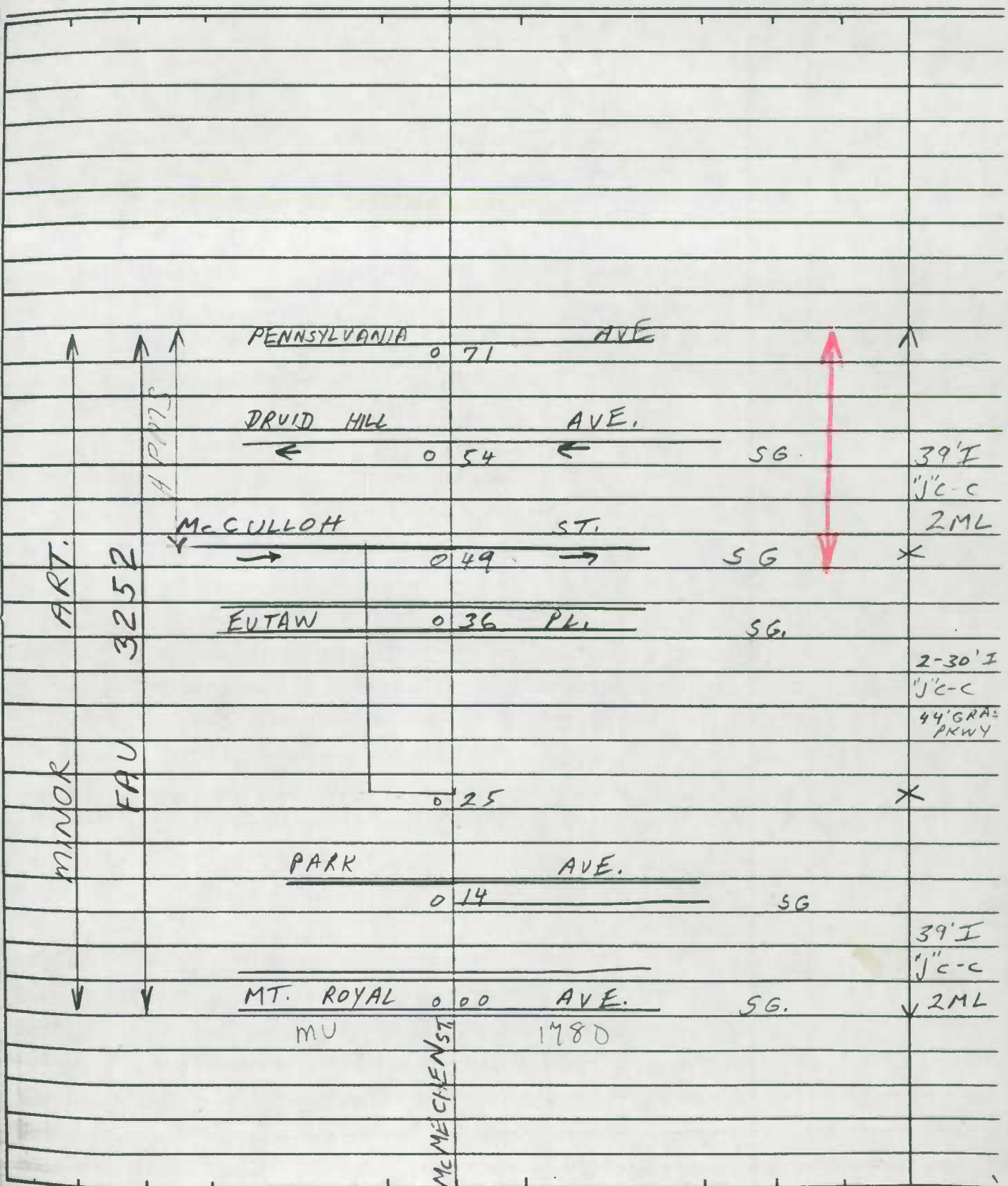


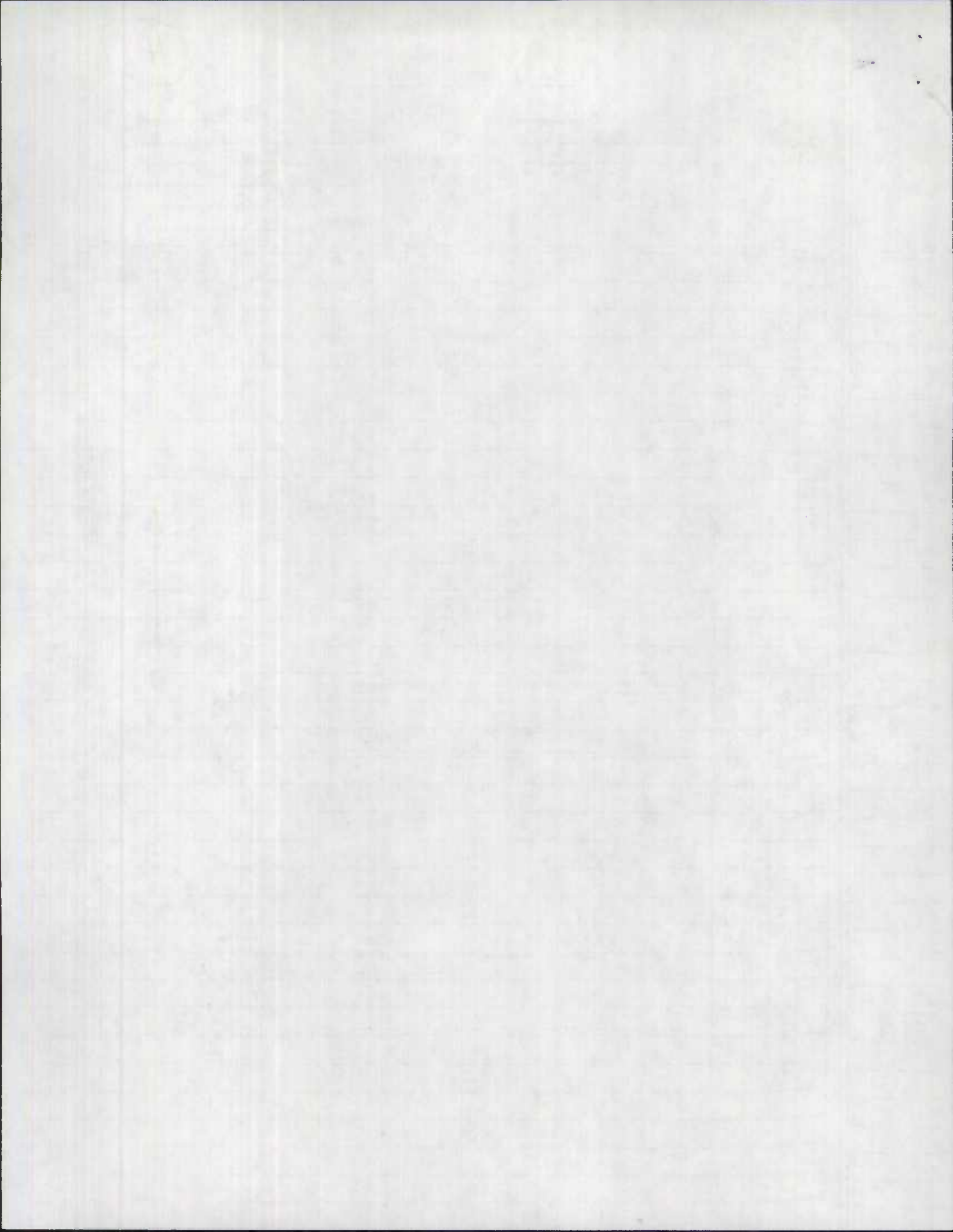
ROAD INVENTORY SHEET

Party Chief T. LONDON
Recorder E. RHODES
Helper _____

Road No. MUN. 4210
Road Name McMECHEN ST.
Sheet No. 1 OF 1
Date 1/30/76
County BALT. CITY
State Coordinates _____

Map No. D 123





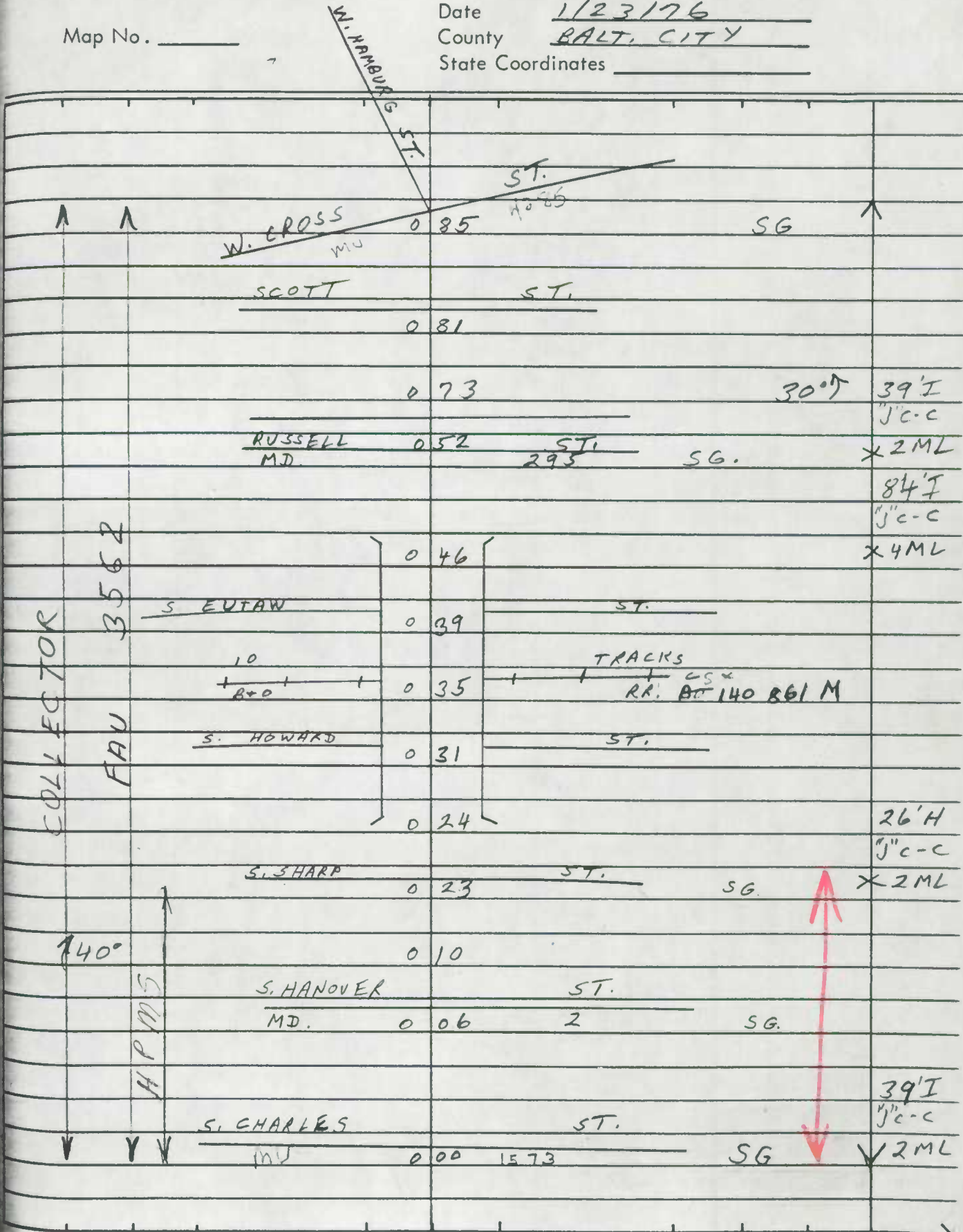
50

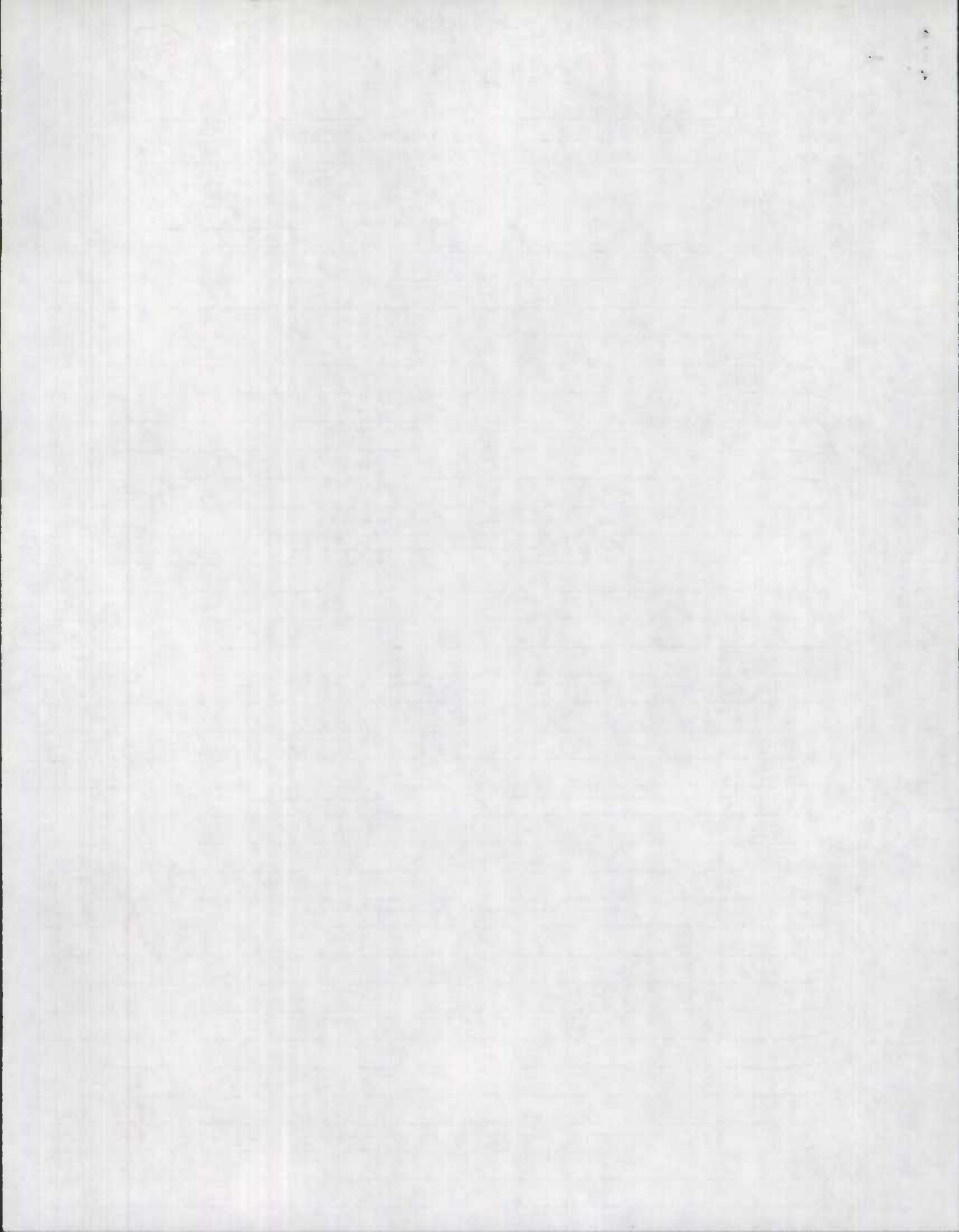
ROAD INVENTORY SHEET

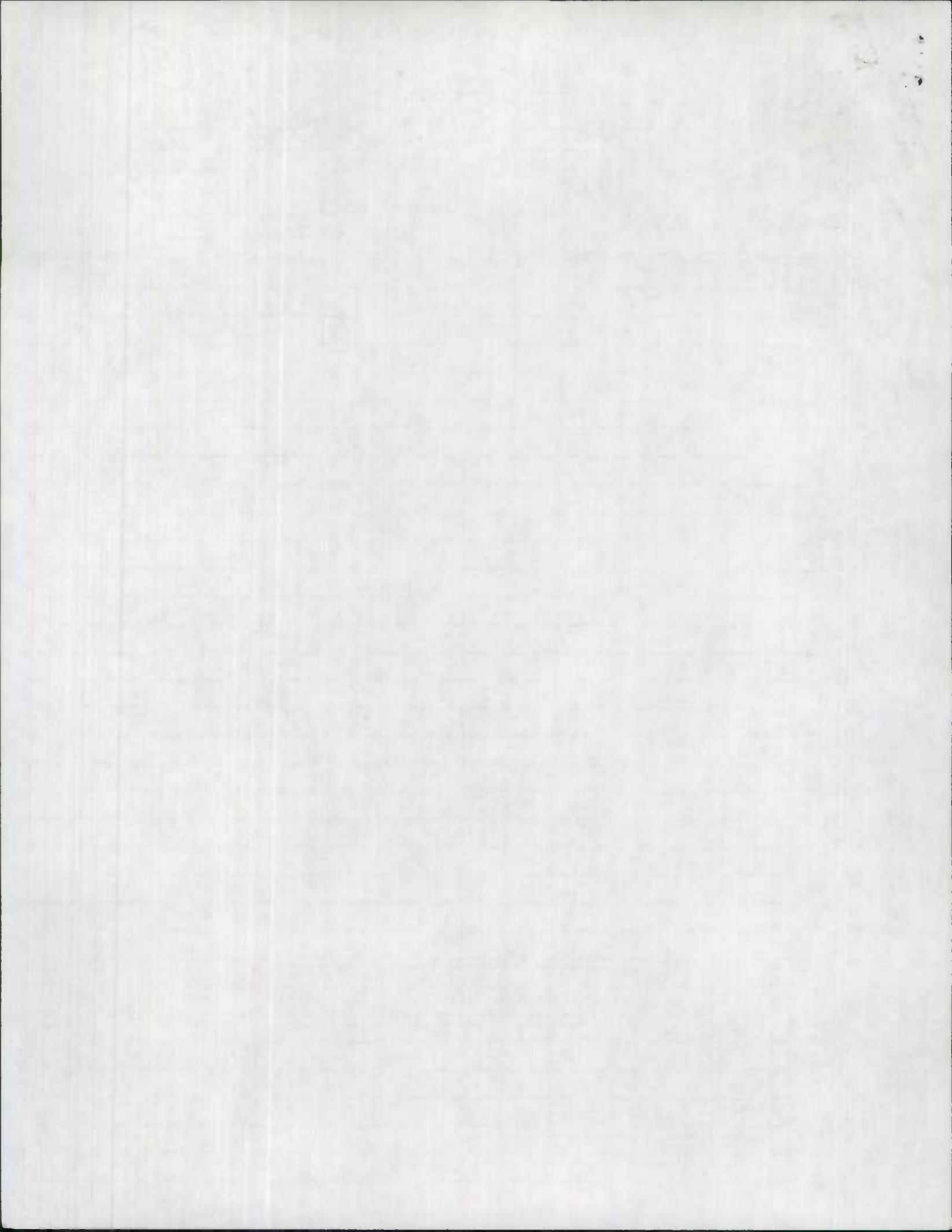
Party Chief T. LANDON
Recorder F. RHODES
Helper _____

Road No. MUN. 4290
Road Name W. HAMBURG ST.
Sheet No. 1 OF 1
Date 1/23/76
County BALT. CITY
State Coordinates _____

Map No. _____







ROAD INVENTORY SHEET

52

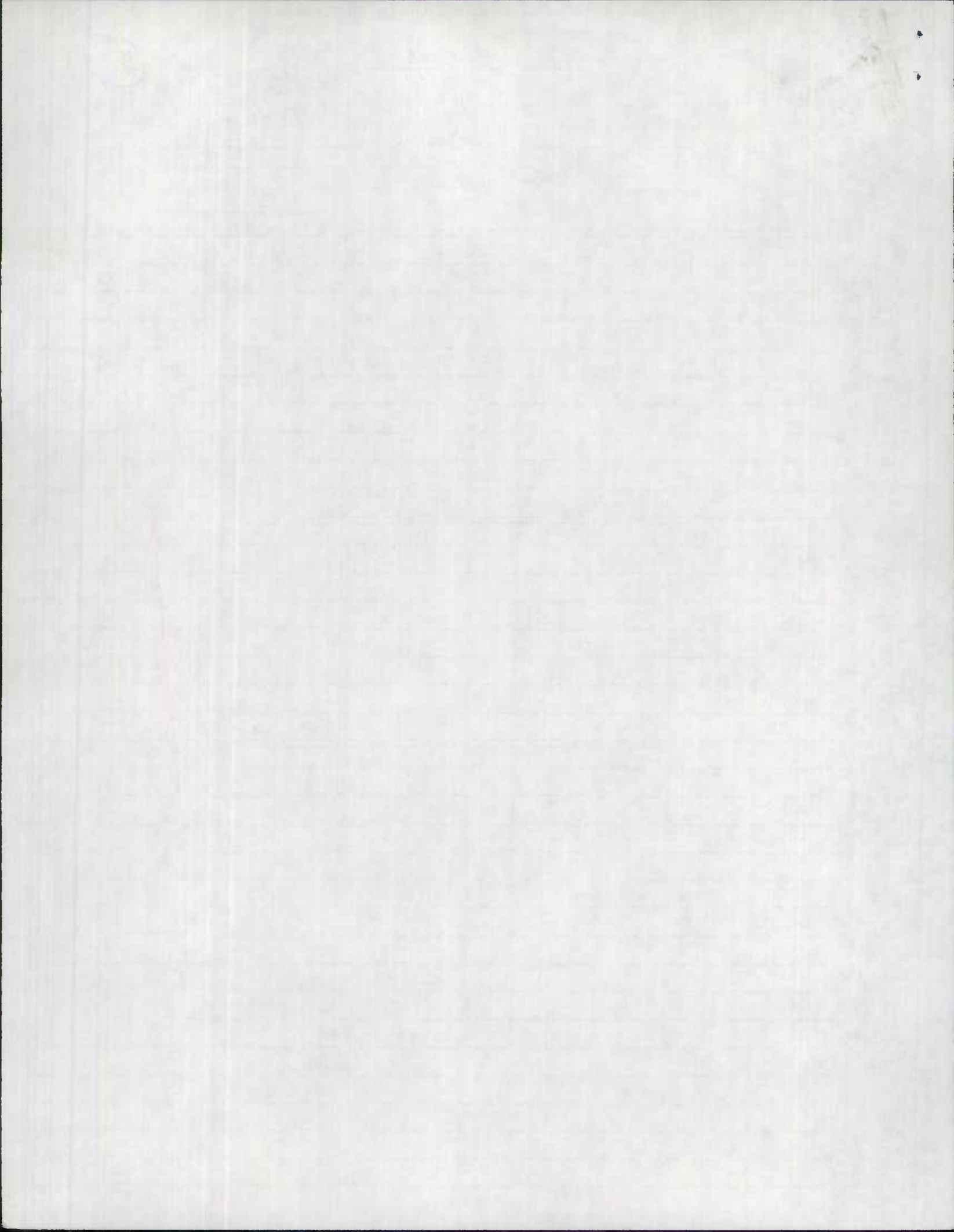
Party Chief _____
Recorder _____
Helper _____

Road No. MUN 4635
Road Name HUNTINGDON AVE
Sheet No. 1 OF 1
Date _____
County _____
State Coordinates _____

Map No. _____

		HUNTINGDON AVE		
↑	↑	↑	↑	↑
OTHER	PRIN	ART.		
FAV	3058	H P MS		
	28 TH	ST		
	MV	0.24	1611	SG
		29 TH	ST	
		MV	0.32	1612
				SG
↓	↓	↓	↓	↓
			0.00	
			25TH ST.	
			MU 4640	
				52'I C-C

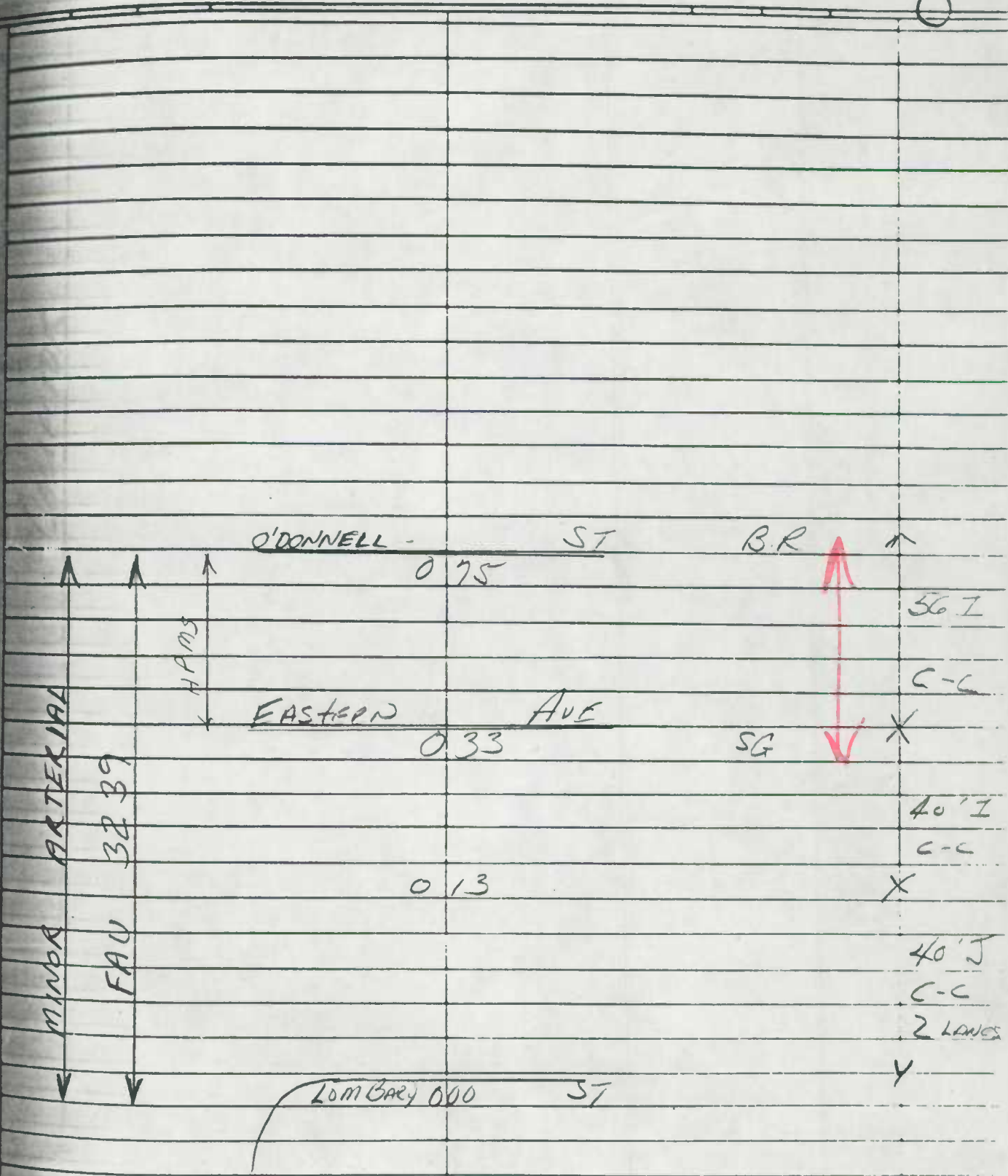


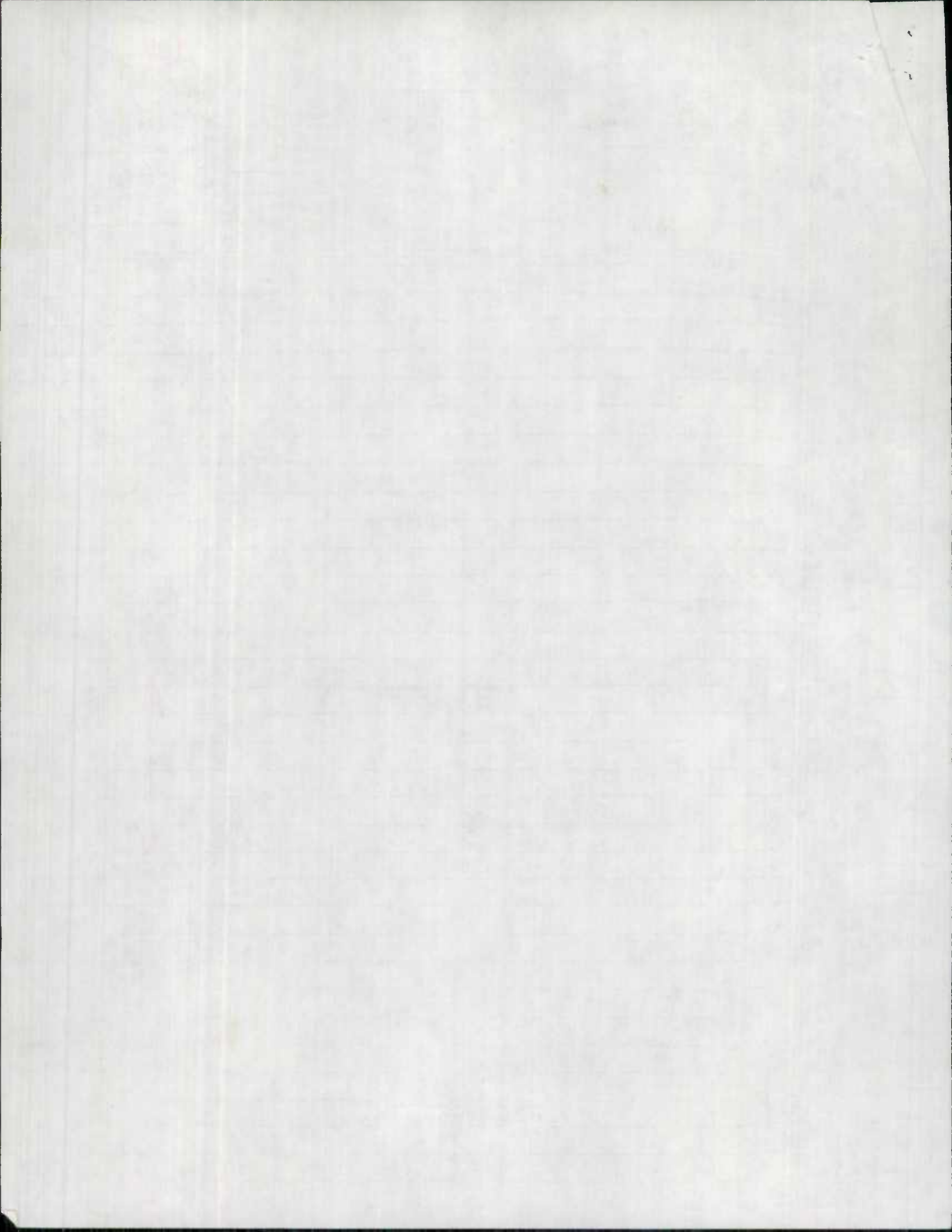


ROAD INVENTORY SHEET

Party Chief C.F.
 Recorder B.B.
 Chainman B.L.

Road No. MIN 5850
 Name OLDHAM ST
 Sheet No. 1 OF 1
 Date 1-24-22
 County BAL to Ch





CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

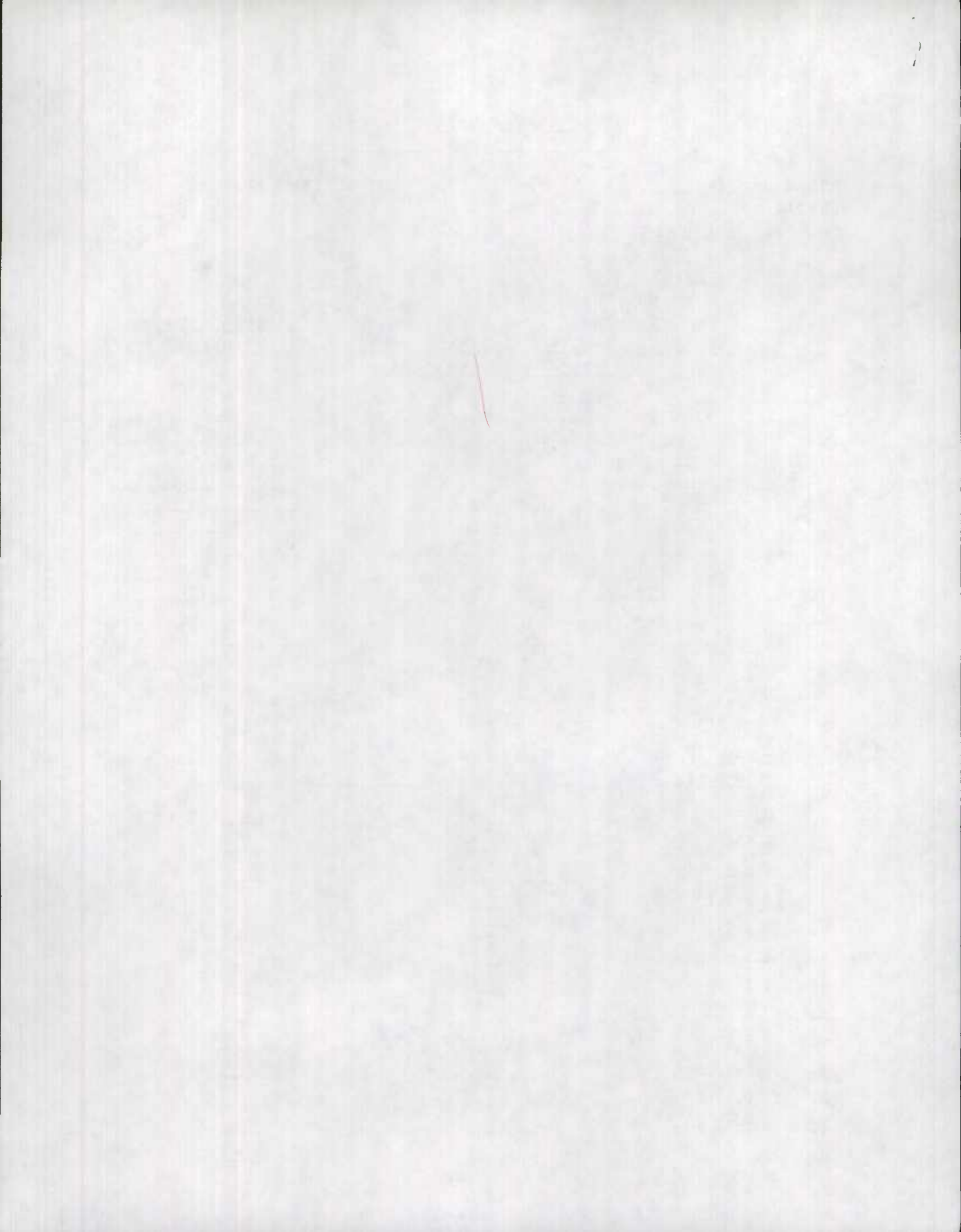
Route No: MU 255 999
 Sample No: 1
 County: (Baltimore city) 24

Starting Mile Pt: 2.84
 Ending Mile Pt: 2.24
(0.40)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2113</u>	<u>108</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

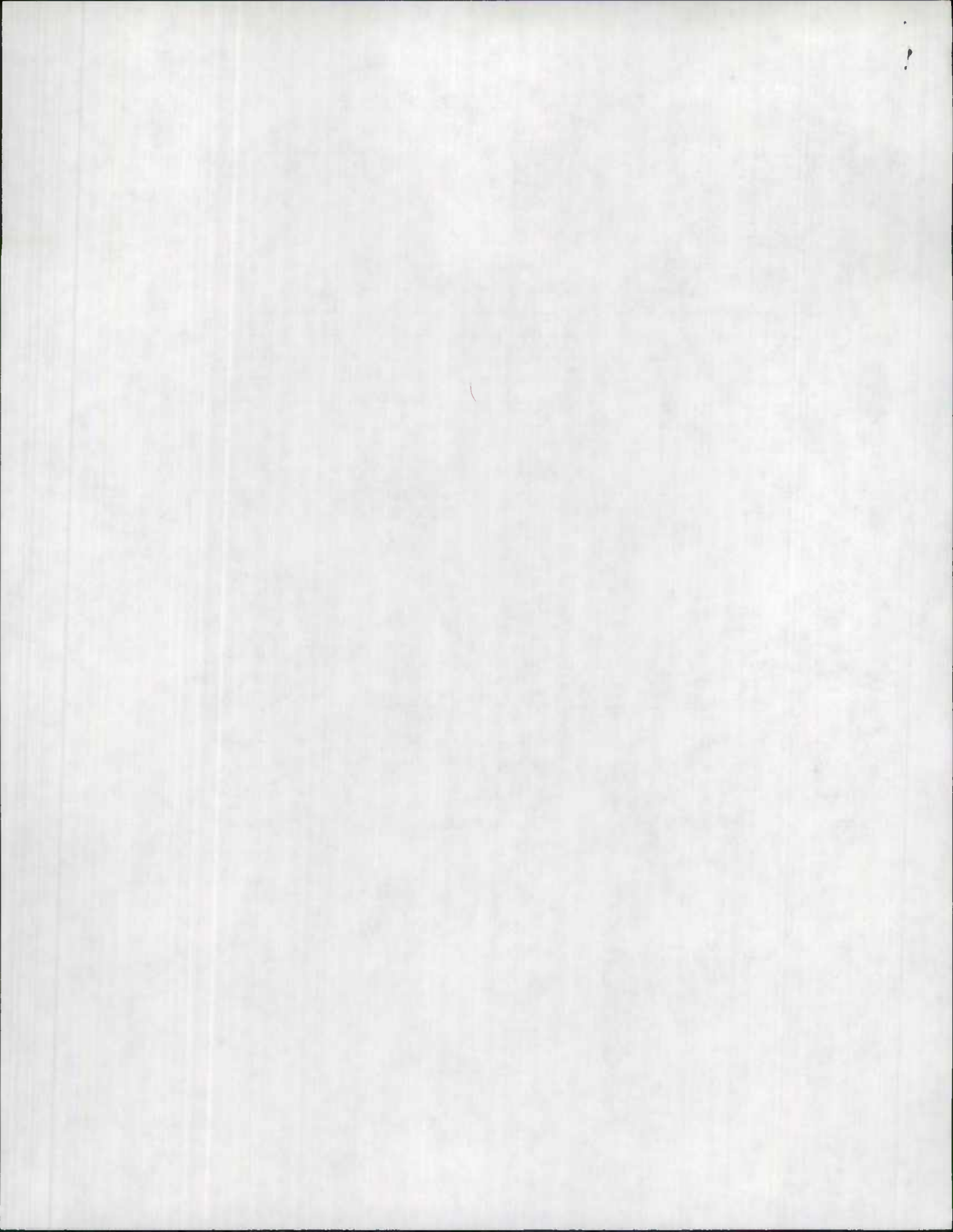
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.40</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	957	-2.9 %	
<u>957</u>	<u>2113</u>	<u>+4.0 %</u>	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade</u> <u>Classes</u> <u>by</u> <u>Gradient</u> <u>(Percent)</u>	<u>Number of</u> <u>Grades</u> <u>(Right-</u> <u>Justified)</u>	<u>Length of</u> <u>Grades in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	---	---
b.	0.5-2.4	---	---
c.	2.5-4.4	<u>2</u>	<u>0.40</u>
d.	4.5-6.4	---	---
e.	6.5-8.4	---	---
f.	8.5-	---	---



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

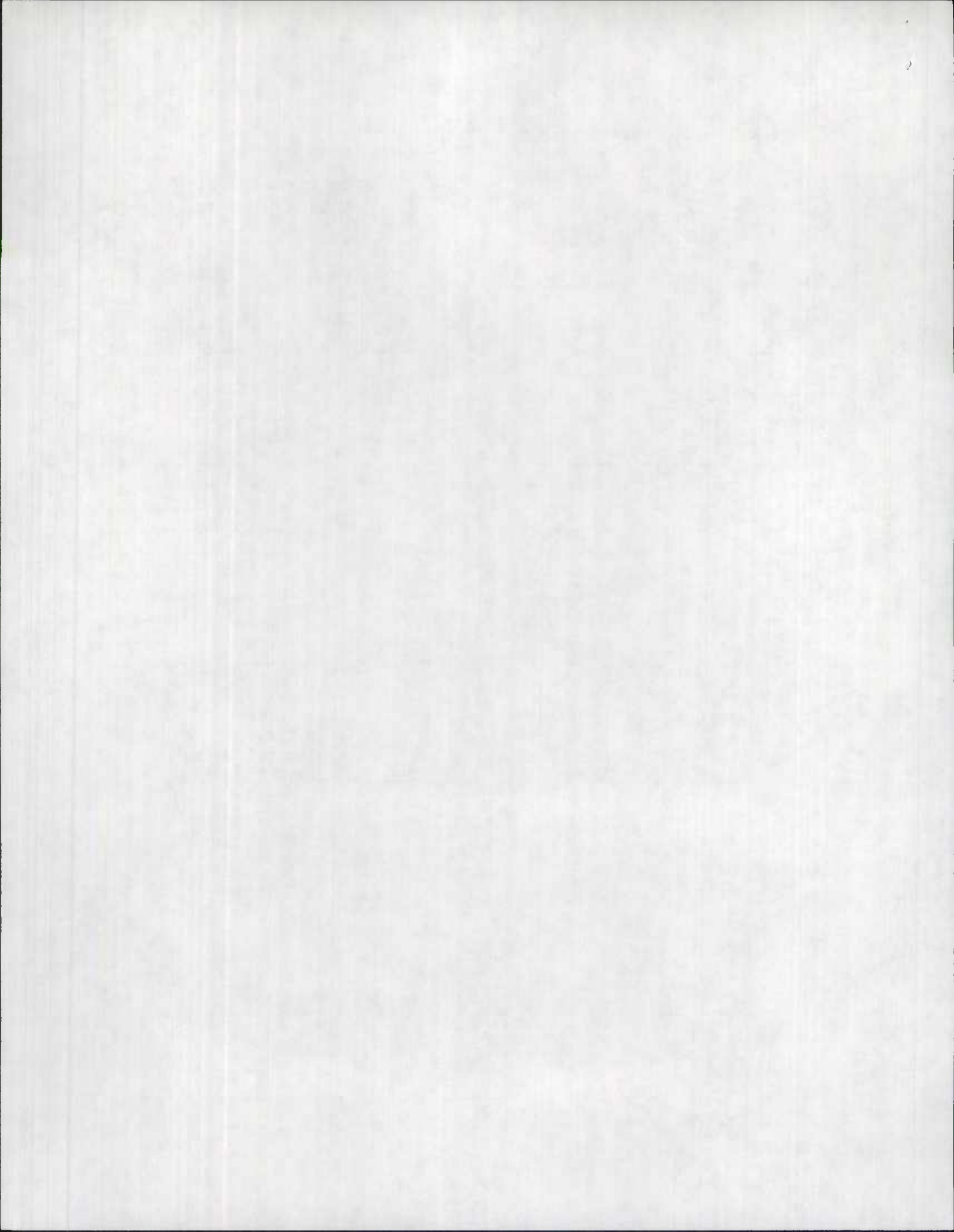
Route No: MU 055 999
 Sample No: 0
 County: (Baltimore City) 24

Starting Mile Pt: 03.24
 Ending Mile Pt: 03.36
(0.12)

Horizontal Curve Section

	<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
R	<u>0</u>	<u>631</u> 0	<u>99.9</u>	<u>1.0</u>	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----

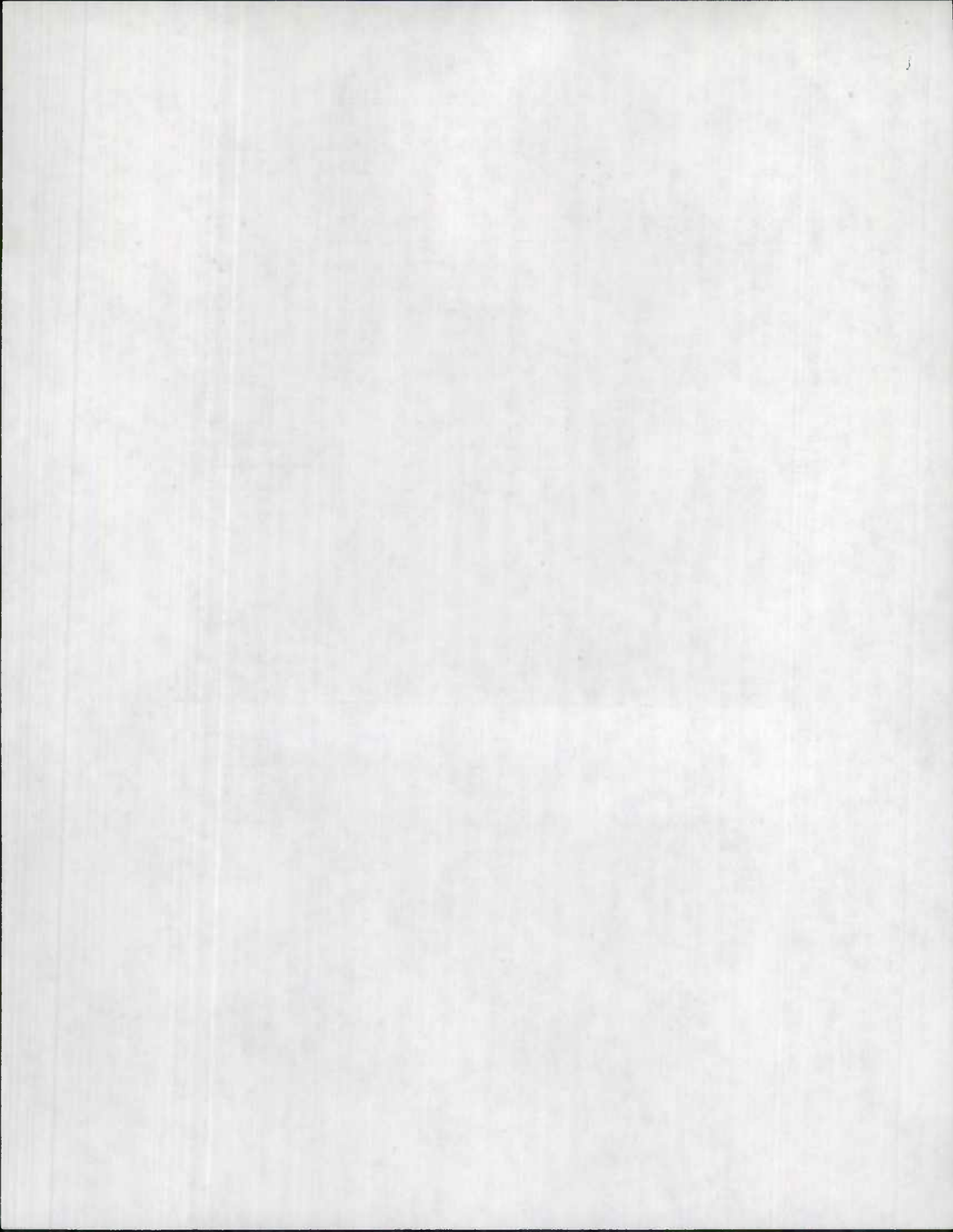
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	-----	-----
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	<u>1</u>	<u>0.12</u>
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	545	+ 4.0%	-----
545	631	0%	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.02</u>
b.	0.5-2.4	<u>-----</u>	<u>-----</u>
c.	2.5-4.4	<u>1</u>	<u>0.10</u>
d.	4.5-6.4	<u>-----</u>	<u>-----</u>
e.	6.5-8.4	<u>-----</u>	<u>-----</u>
f.	8.5-	<u>-----</u>	<u>-----</u>



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

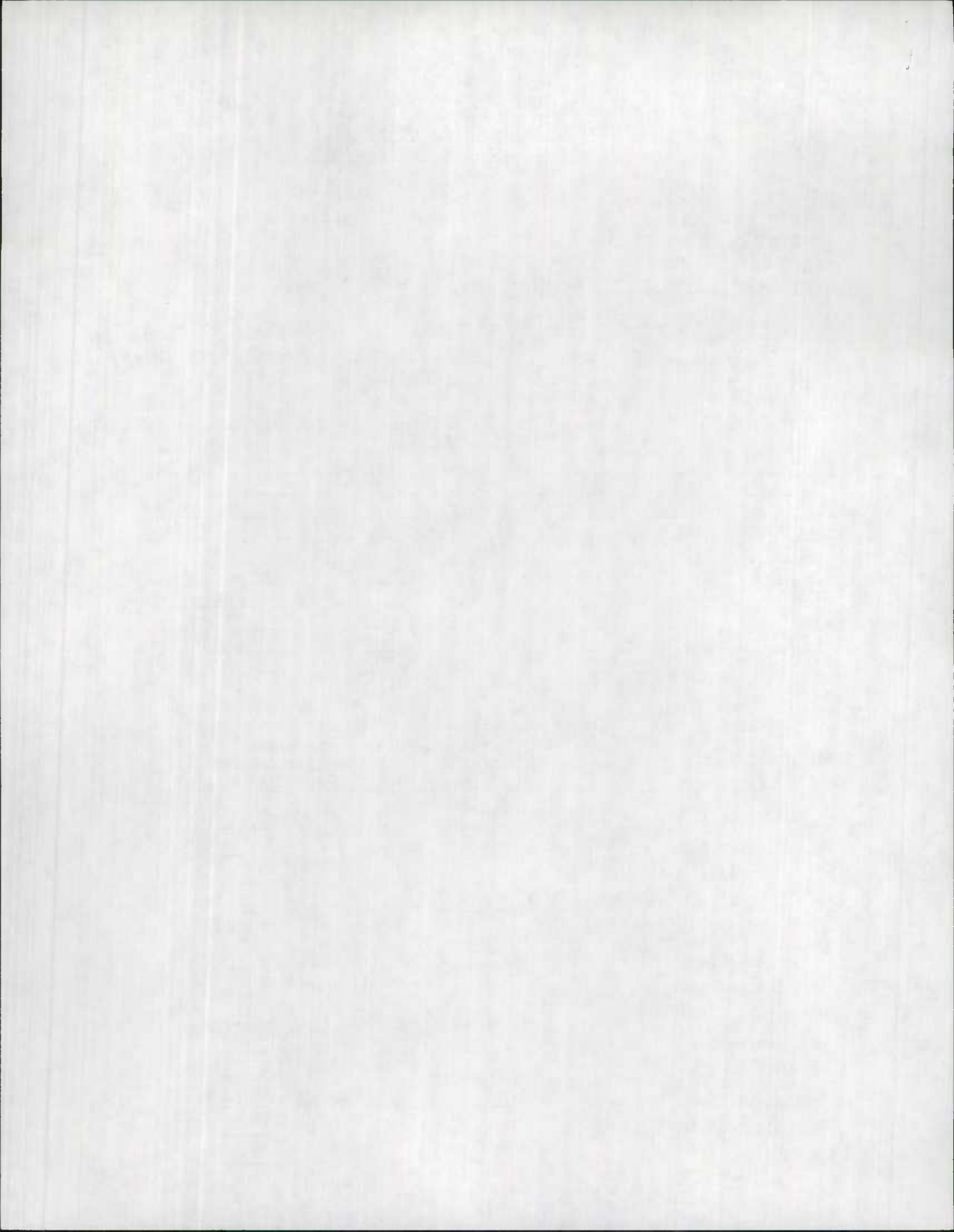
Route No: MU 0101 999
 Sample No: 3
 County: (Baltimore City) 24

Starting Mile Pt: 2.21
 Ending Mile Pt: 6.46
(0.19)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
213 234	100.3	100.3 99.9	100.3	
<u>2</u>	<u>100.3</u>	<u>100</u>	<u>0</u>	

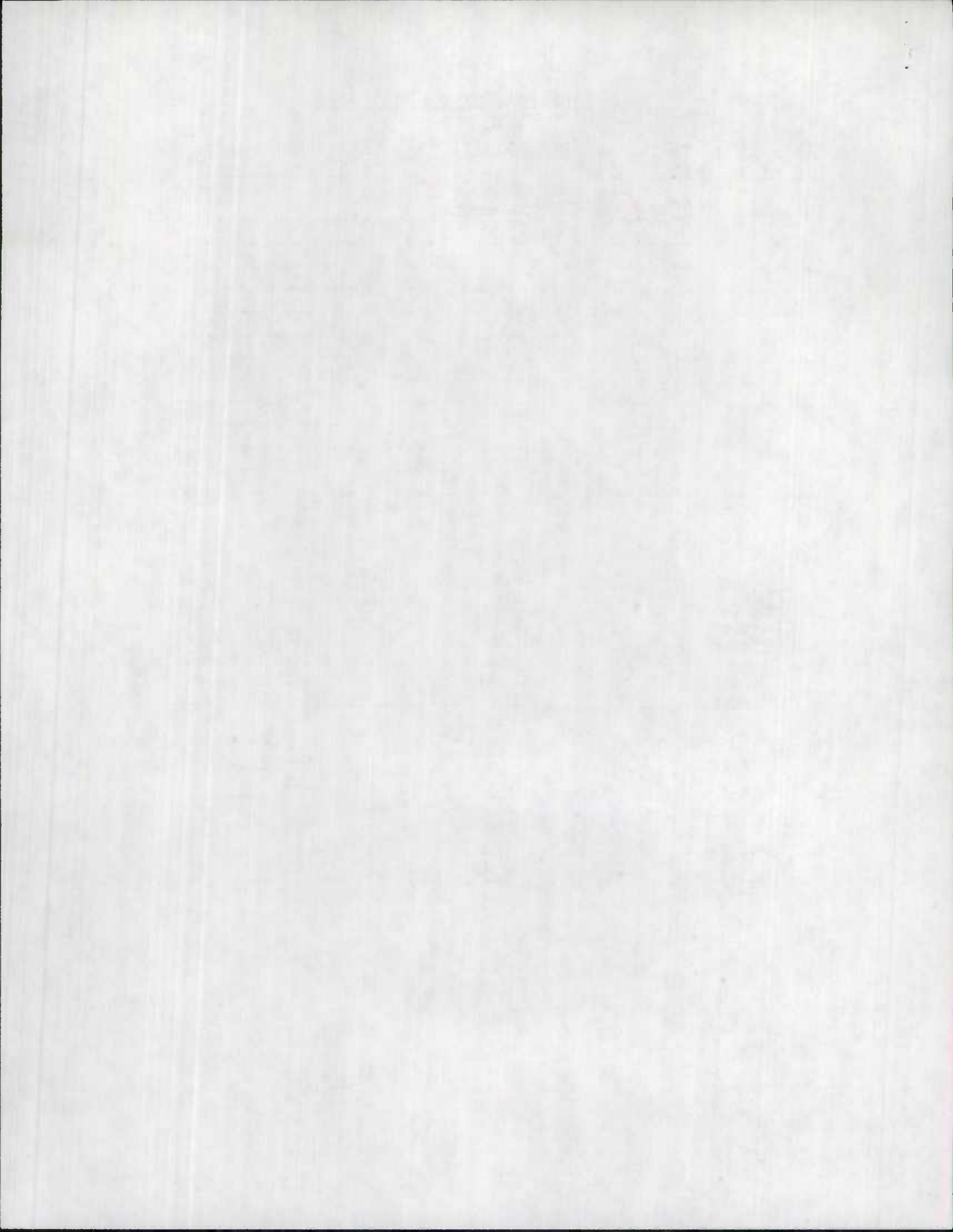
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.19</u>
b.	0.5-1.4	_____	_____
c.	1.5-2.4	_____	_____
d.	2.5-3.4	_____	_____
e.	3.5-4.4	_____	_____
f.	4.5-5.4	_____	_____
g.	5.5-6.9	_____	_____
h.	7.0-8.4	_____	_____
i.	8.5-10.9	_____	_____
j.	11.0-13.9	_____	_____
k.	14.0-19.4	_____	_____
l.	19.5-27.9	_____	_____
m.	23+	_____	_____



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1531	+8.25	---
0	1003	+4.7 %	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	---	---
b.	0.5-2.4	---	---
c.	2.5-4.4	---	---
d.	4.5-6.4	1	0.19
e.	6.5-8.4	---	---
f.	8.5-	---	---



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

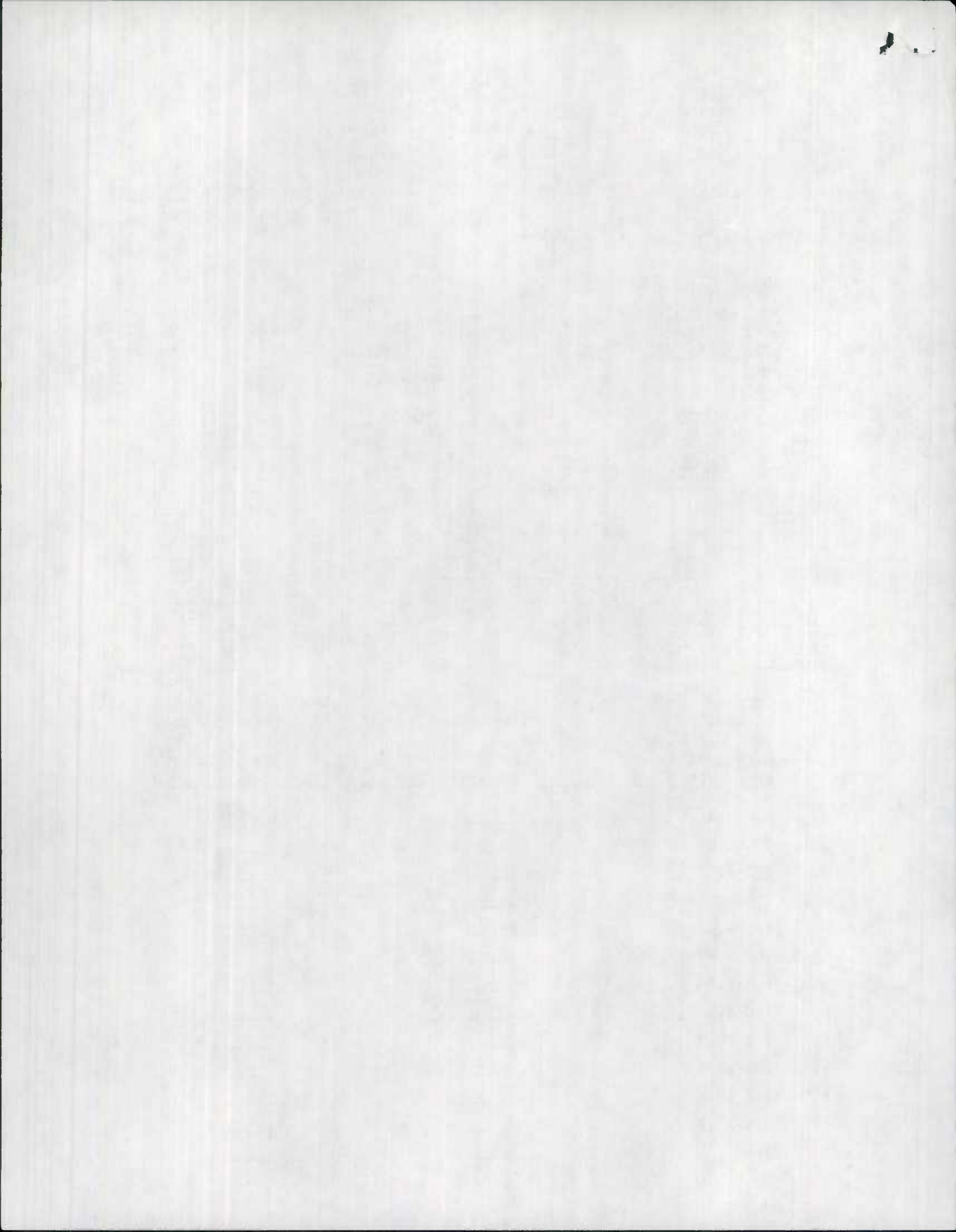
Route No: MU 0550 999 ✓
 Sample No: 4
 County: (Baltimore city) 24

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.11

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>179</u>	<u>99.5</u>	<u>4.01</u>	
<u>179</u>	<u>409</u>	<u>100</u>	<u>0</u>	
<u>409</u>	<u>581</u>	<u>99.7</u>	<u>3.2</u>	

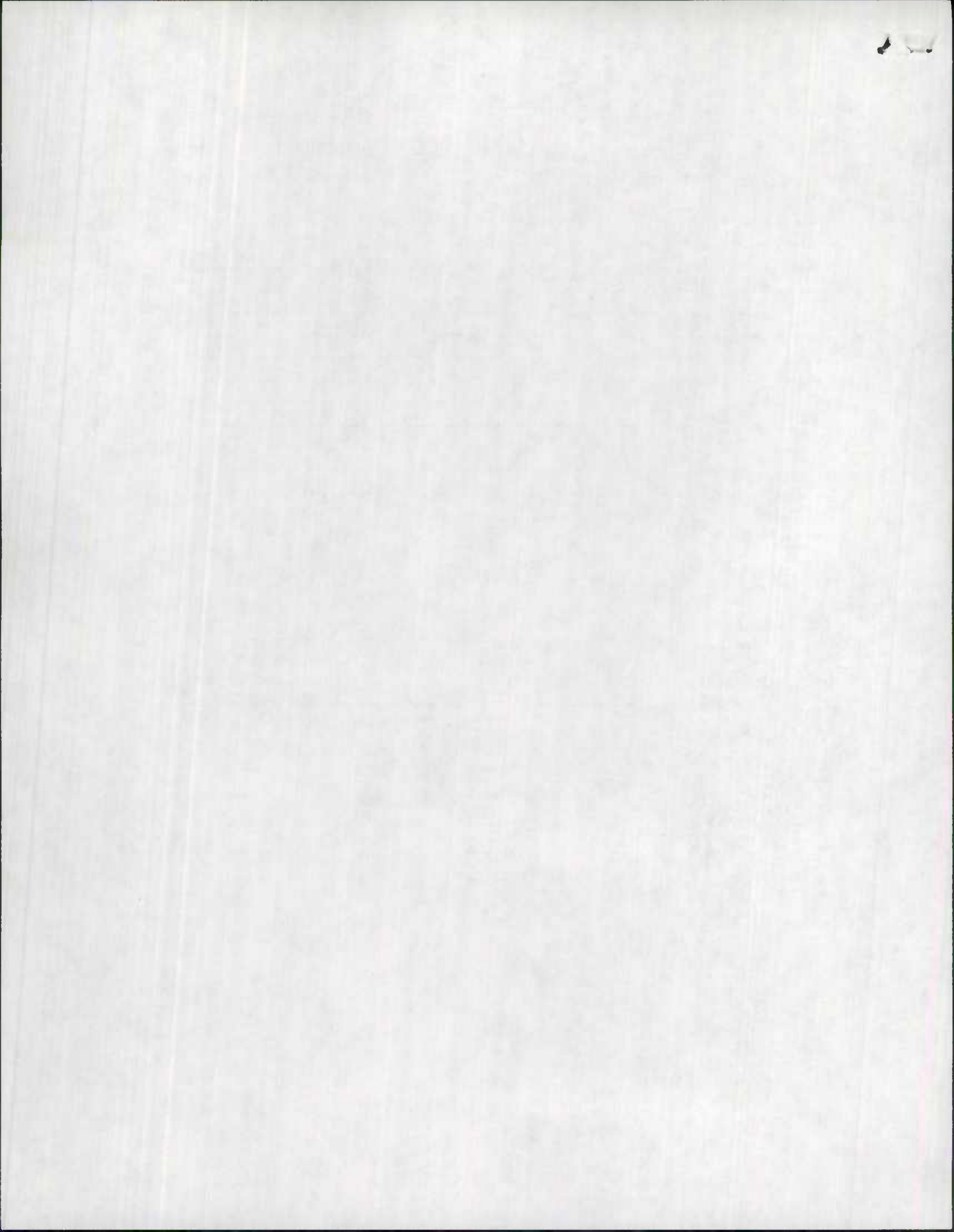
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.05</u>
b.	0.5-1.4	_____	_____
c.	1.5-2.4	_____	_____
d.	2.5-3.4	_____	_____
e.	3.5-4.4	_____	_____
f.	4.5-5.4	_____	_____
g.	5.5-6.9	_____	_____
h.	7.0-8.4	_____	_____
i.	8.5-10.9	_____	_____
j.	11.0-13.9	_____	_____
k.	14.0-19.4	<u>2</u>	<u>0.06</u>
l.	19.5-27.9	_____	_____
m.	23+	_____	_____



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
<u>0</u>	<u>581</u>	<u>0%</u>	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.11</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

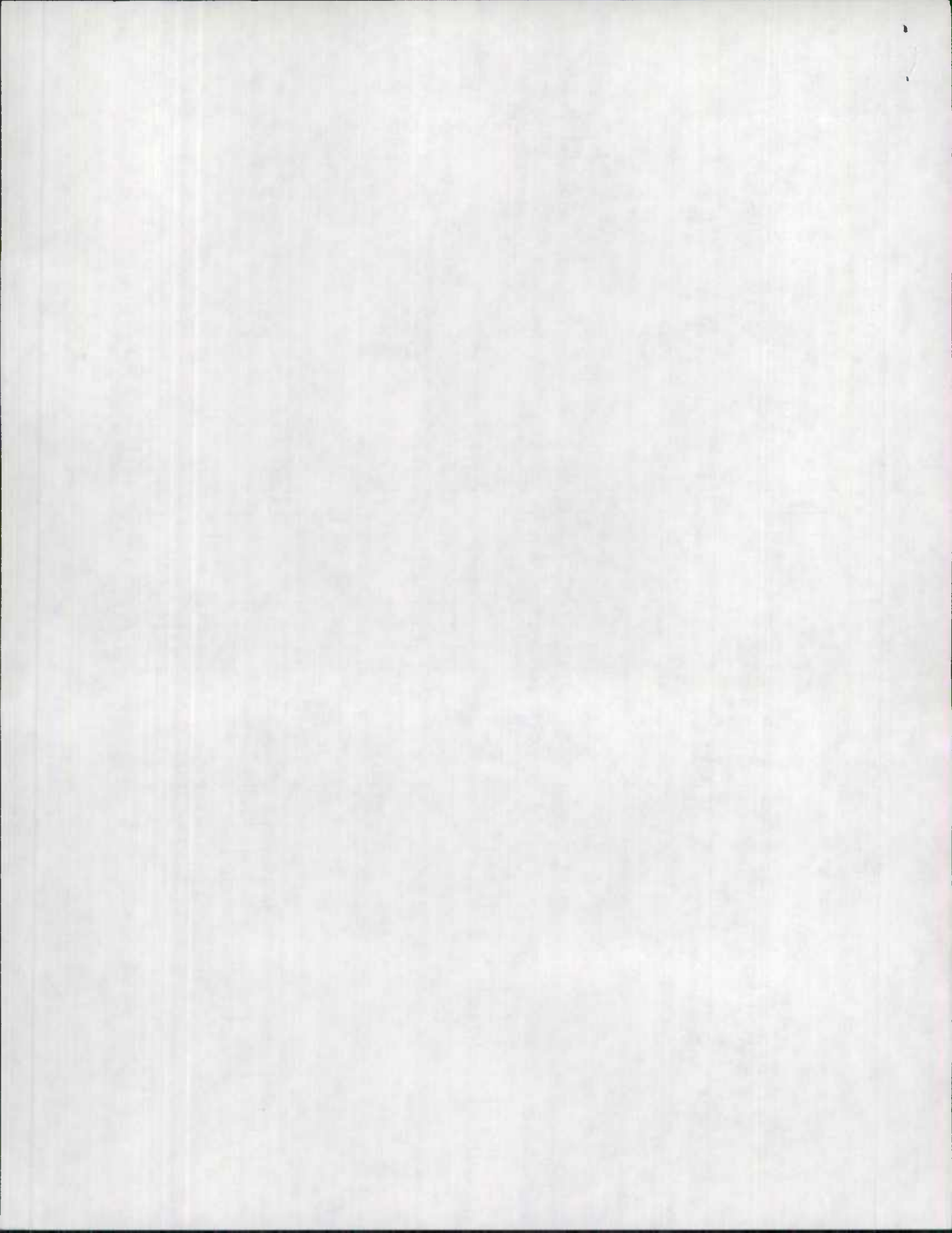
Route No: MV 0500 *add*
 Sample No: 5
 County: (Baltimore city) 24

Starting Mile Pt: 0.11
 Ending Mile Pt: 0.66
 (0.55)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2902</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.55</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	424	0%	
424	869	-1.71%	
869	1348	0.1%	
1348	2902	+4.0%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>0.17</u>
b.	0.5-2.4	<u>1</u>	<u>0.08</u>
c.	2.5-4.4	---	---
d.	4.5-6.4	<u>1</u>	<u>0.30</u>
e.	6.5-8.4	---	---
f.	8.5-	---	---

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

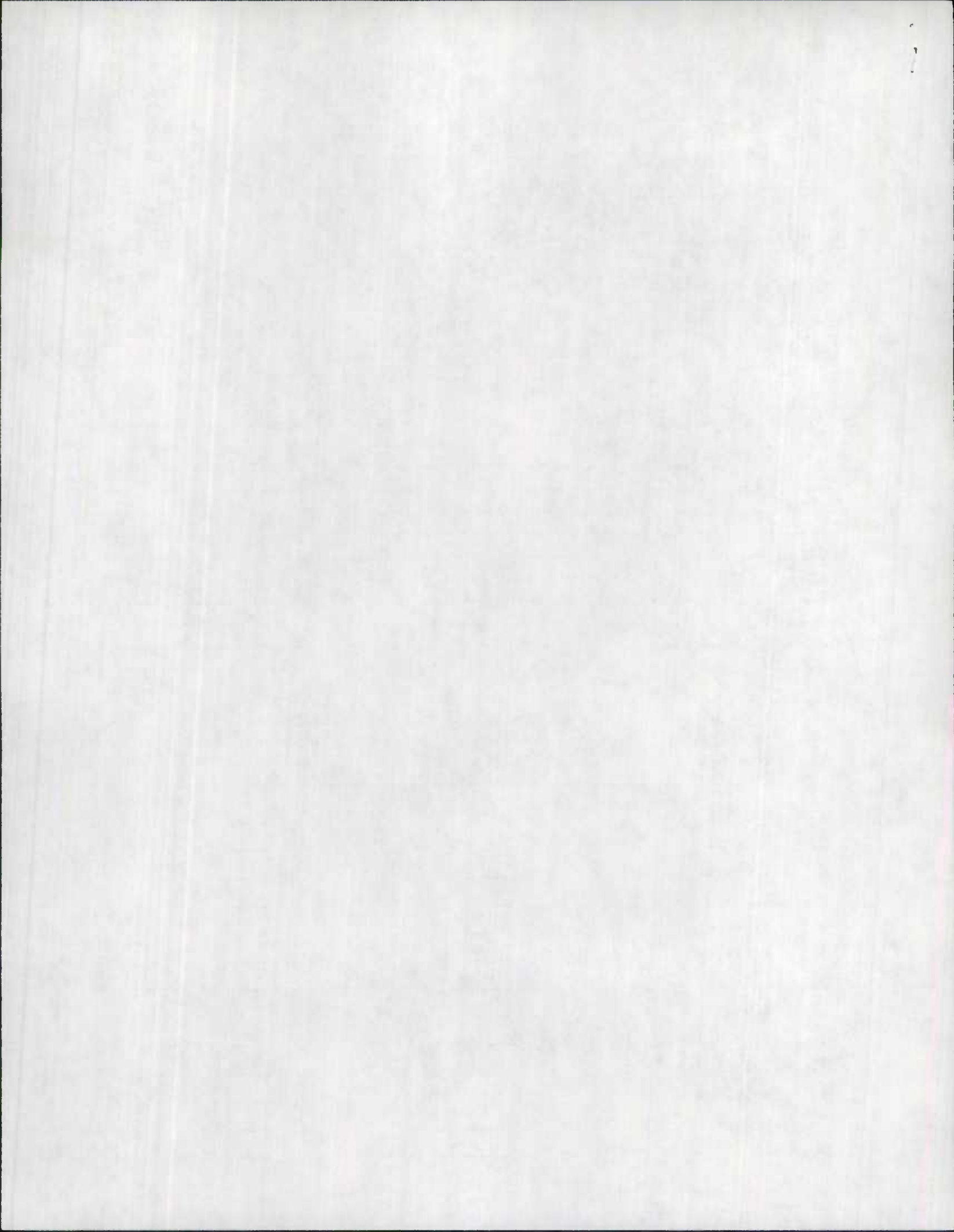
Route No: MW 0500 999
 Sample No: 6
 County: (Baltimore city) & 24

Starting Mile Pt: 0.89
 Ending Mile Pt: 1.56
(0.67)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord1. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>3538</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.67</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1120	0%	
1120	1378	+1.0%	
1378	2068	-3.6%	
2068	2833	+1.7%	
2833	3338	-1.8%	
3338	3538	0%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>0.25</u>
b.	0.5-2.4	<u>3</u>	<u>0.29</u>
c.	2.5-4.4	<u>1</u>	<u>0.13</u>
d.	4.5-6.4	---	---
e.	6.5-8.4	---	---
f.	8.5-	---	---

24

sample

32
34
33
n -

su

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MV 0696

Starting Mile Pt: 0.00

Sample No: 7

Ending Mile Pt: 0.84

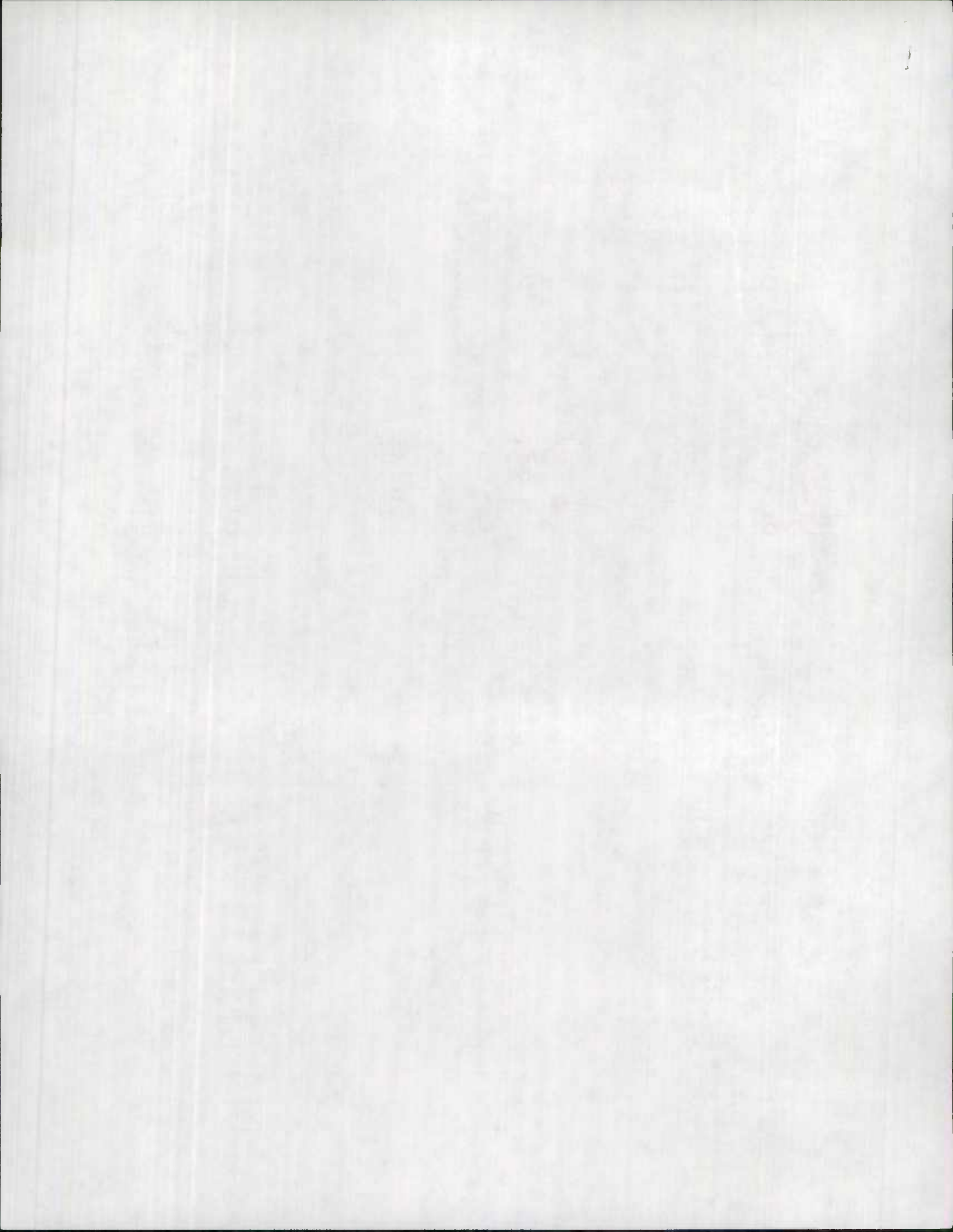
County: (Baltimore City) 24

(0.84)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2017</u>	<u>100</u>	<u>0</u>	-----
<u>L 2017</u>	<u>2202</u>	<u>99.9</u>	<u>1.0</u>	-----
<u>2202</u>	<u>2496</u>	<u>100 100</u>	<u>0.0</u>	-----
<u>R 2496</u>	<u>2810</u>	<u>99.9</u>	<u>1.2</u>	-----
<u>2810</u>	<u>2376</u>	<u>100 99.8</u>	<u>2.0</u>	-----
<u>L 3376</u>	<u>4435</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

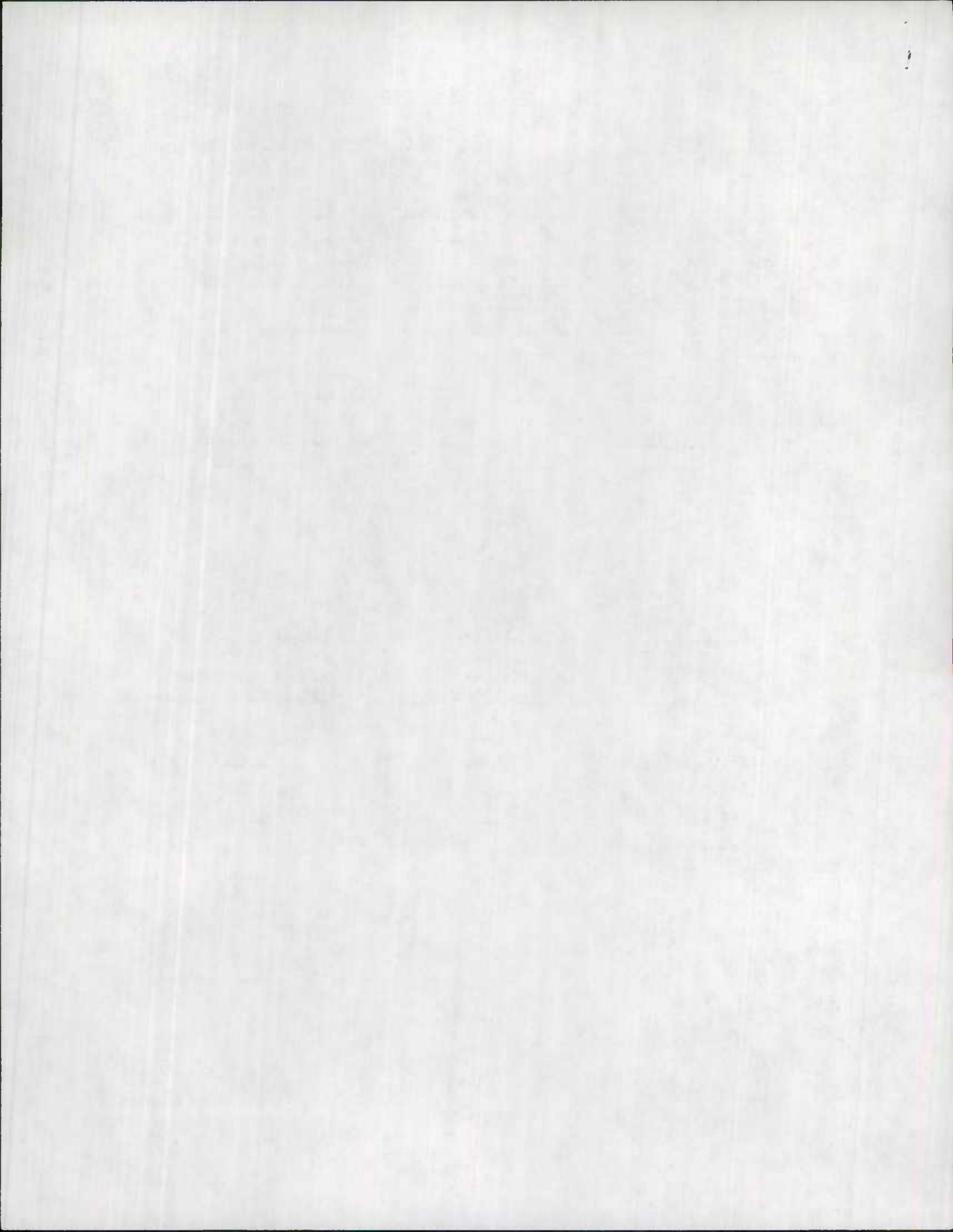
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>3</u>	<u>0.64</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	<u>1</u>	-----
g.	5.5-6.9	<u>1</u>	<u>0.04</u>
h.	7.0-8.4	-----	<u>0.06</u>
i.	8.5-10.9	<u>1</u>	0.04
j.	11.0-13.9	-----	<u>0.0</u>
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1746	0%	-----
1746	2202	-4.6	-----
2202	3220	0%	-----
3220	3466	-3.0%	-----
3466	4435	0%	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>4</u>	<u>0.75</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	<u>1</u>	<u>0.09</u>
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MU 0908 999
 Sample No: 8
 County: 24

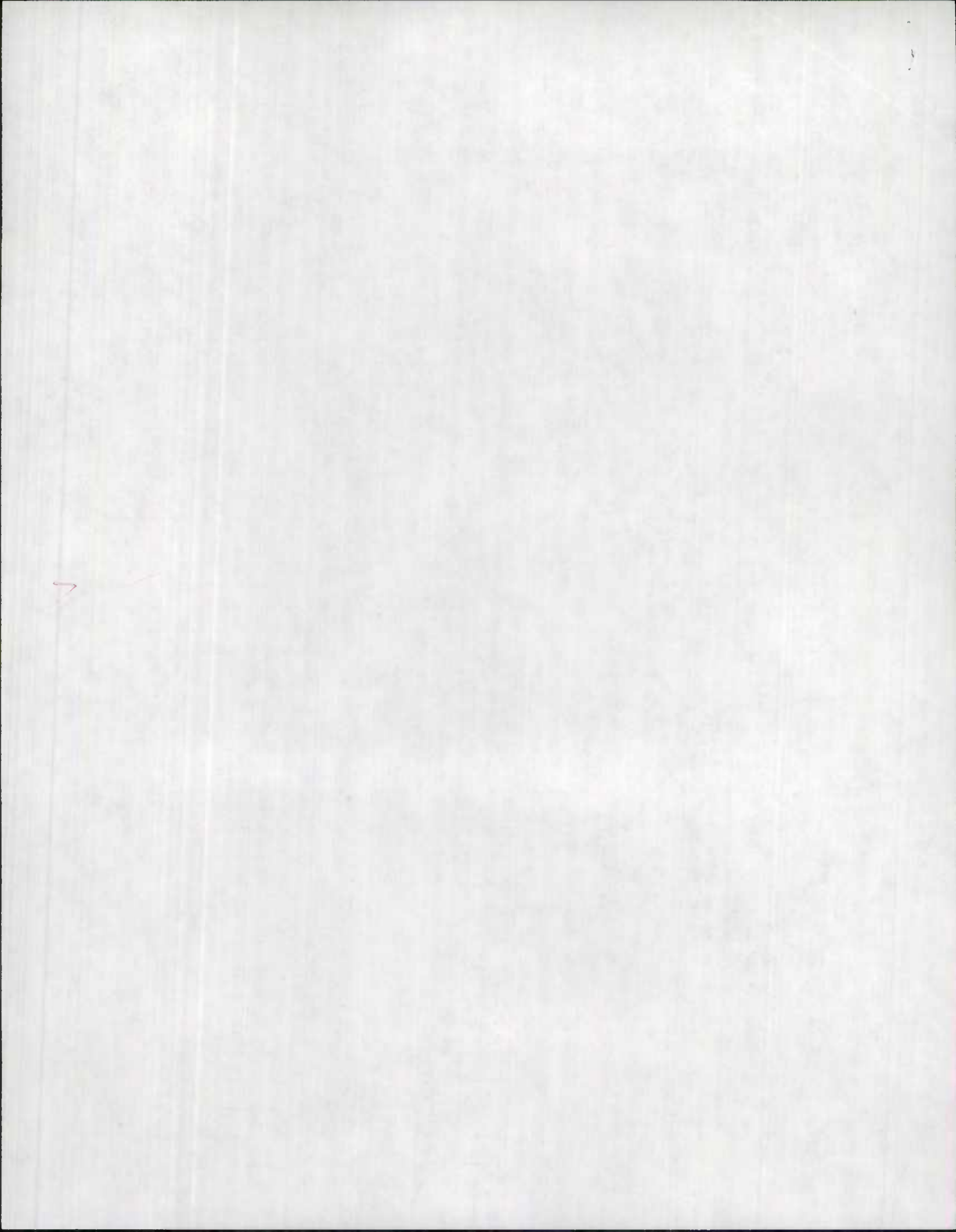
Starting Mile Pt: 1.06
 Ending Mile Pt: 1.27

(0.21)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1109</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

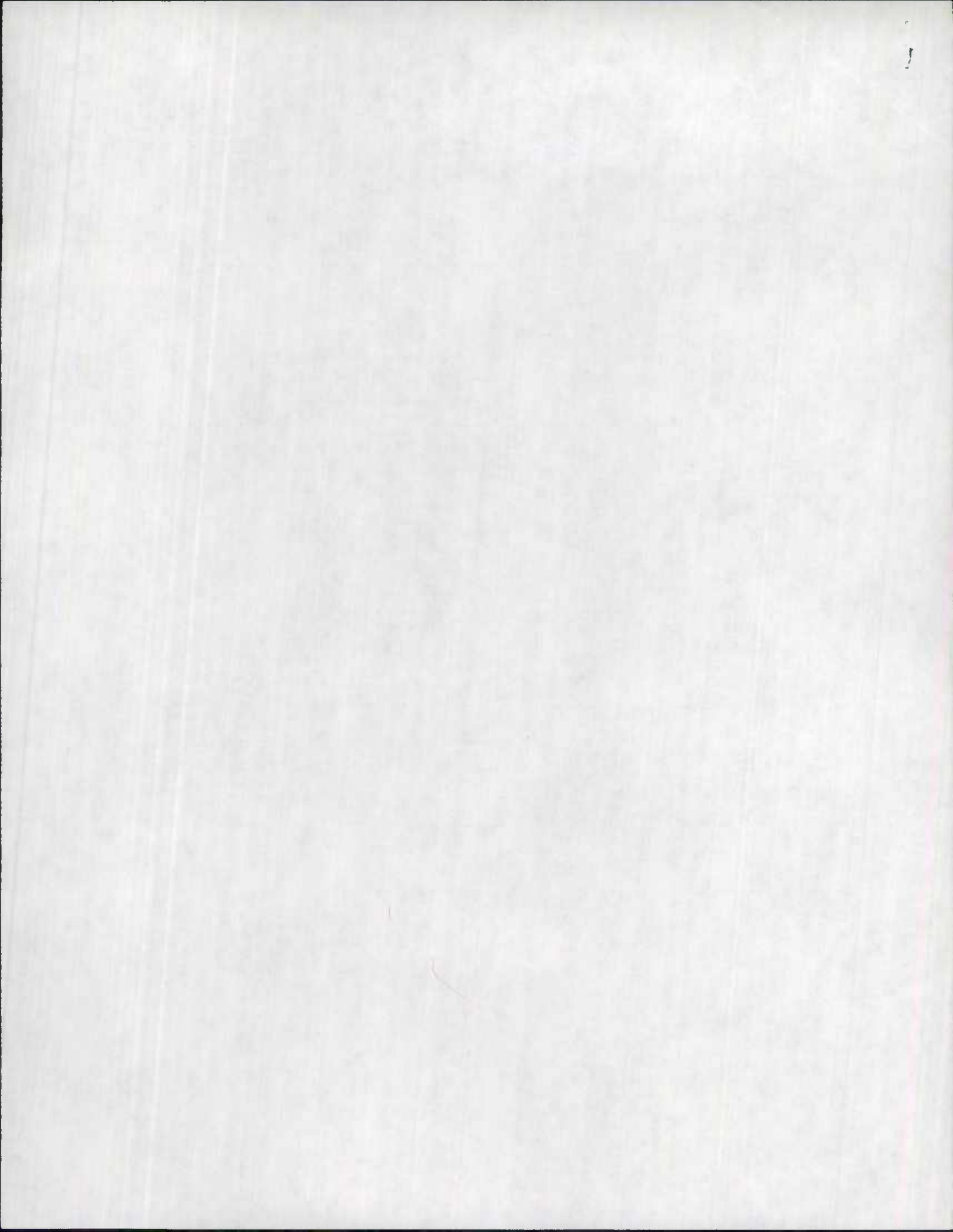
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.21</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1109	0%	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.21</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

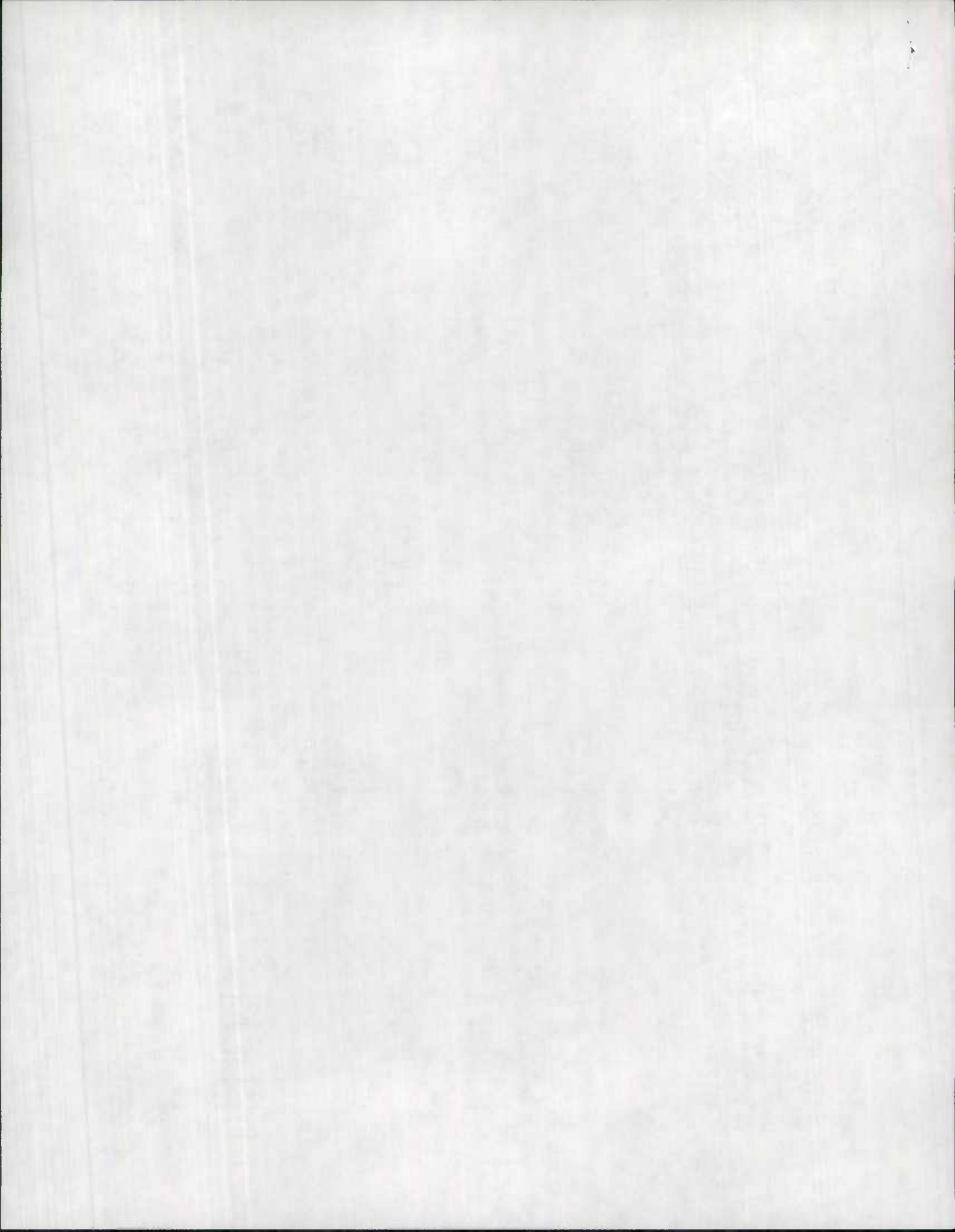
Route No: MU 0908 099
 Sample No: 9
 County: _____

Starting Mile Pt: 1.27
 Ending Mile Pt: 1.52
(0.25)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>119</u>	<u>100</u>	<u>0</u>	-----
<u>119</u>	<u>121</u>	<u>99.9</u>	<u>1.2</u>	-----
<u>121</u>	<u>1320</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

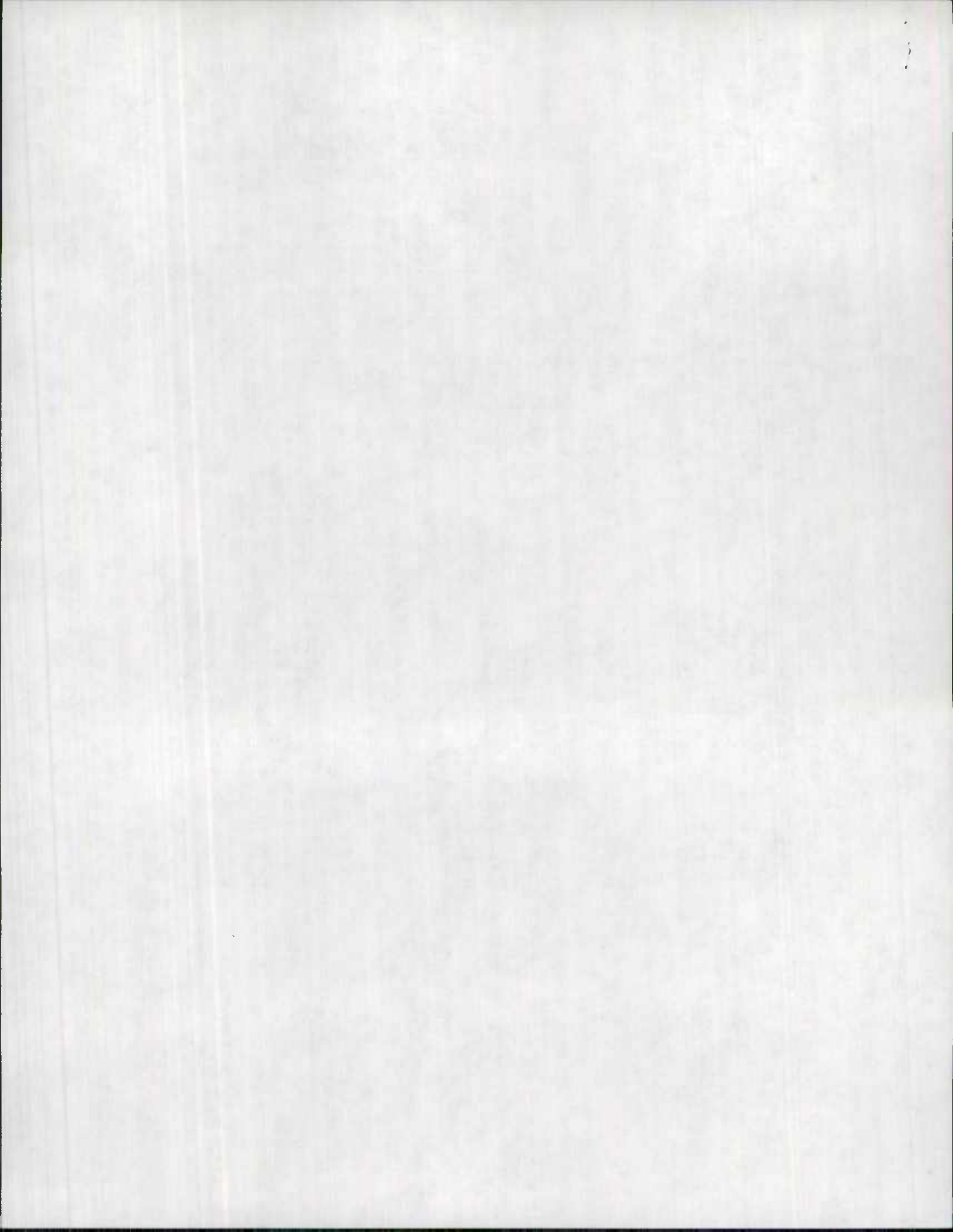
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>0.26</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	<u>1</u>	<u>0.19</u>
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	1320	0%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.25</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

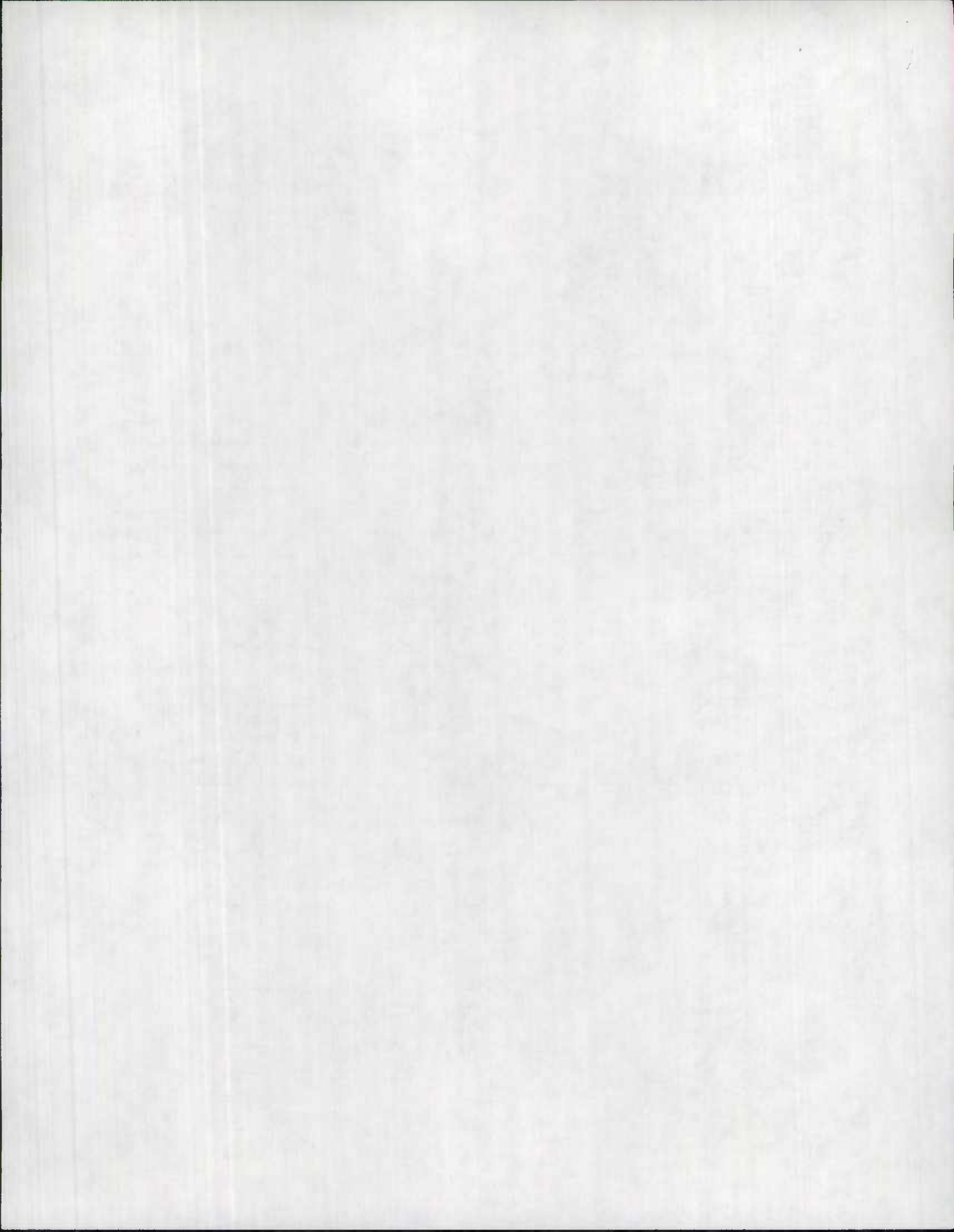
Route No: MU 0908
 Sample No: 10
 County: _____

Starting Mile Pt: 1.52
 Ending Mile Pt: 1.71
(0.19)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
0	1003	100	0	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

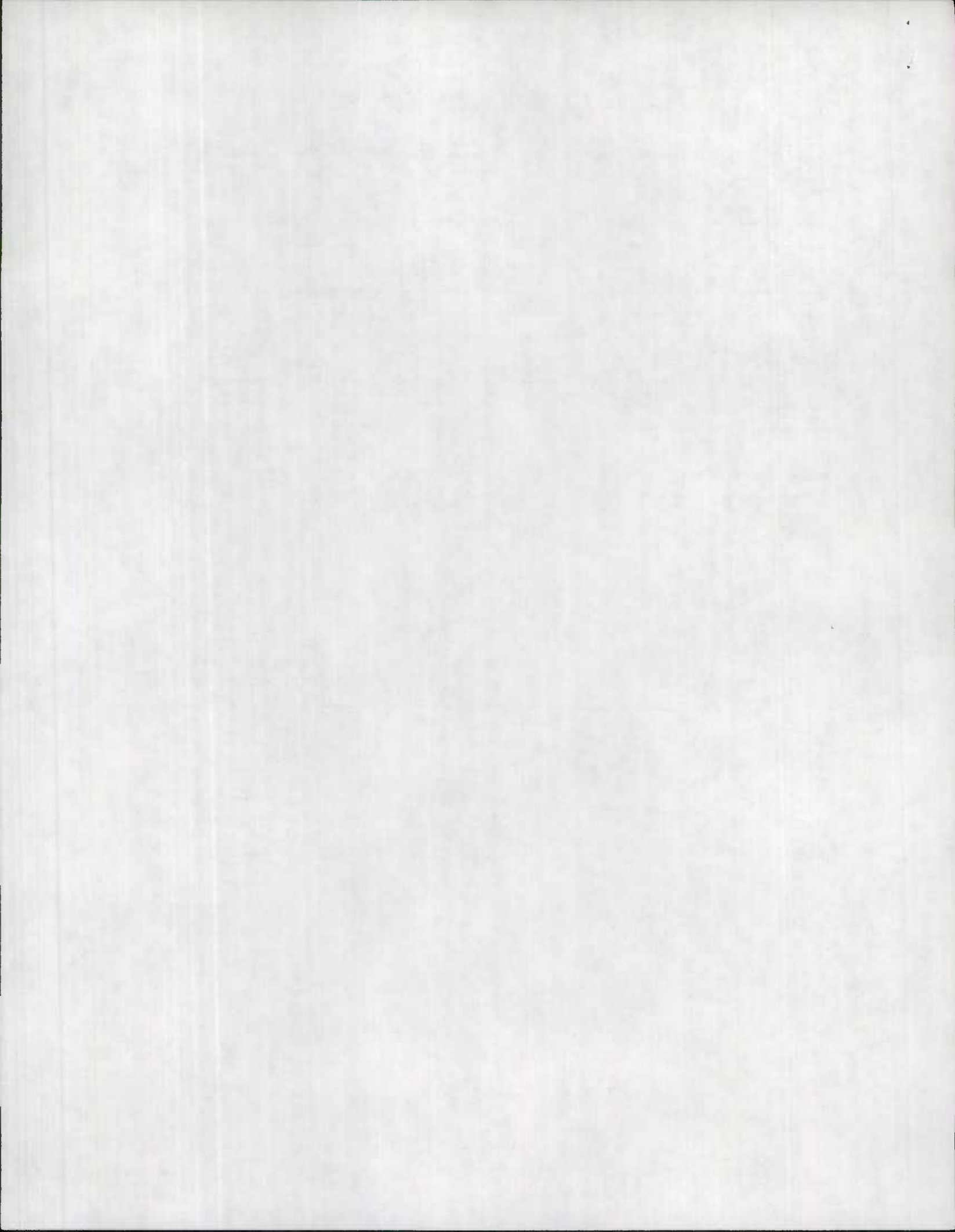
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.19</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1003	0%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.19</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

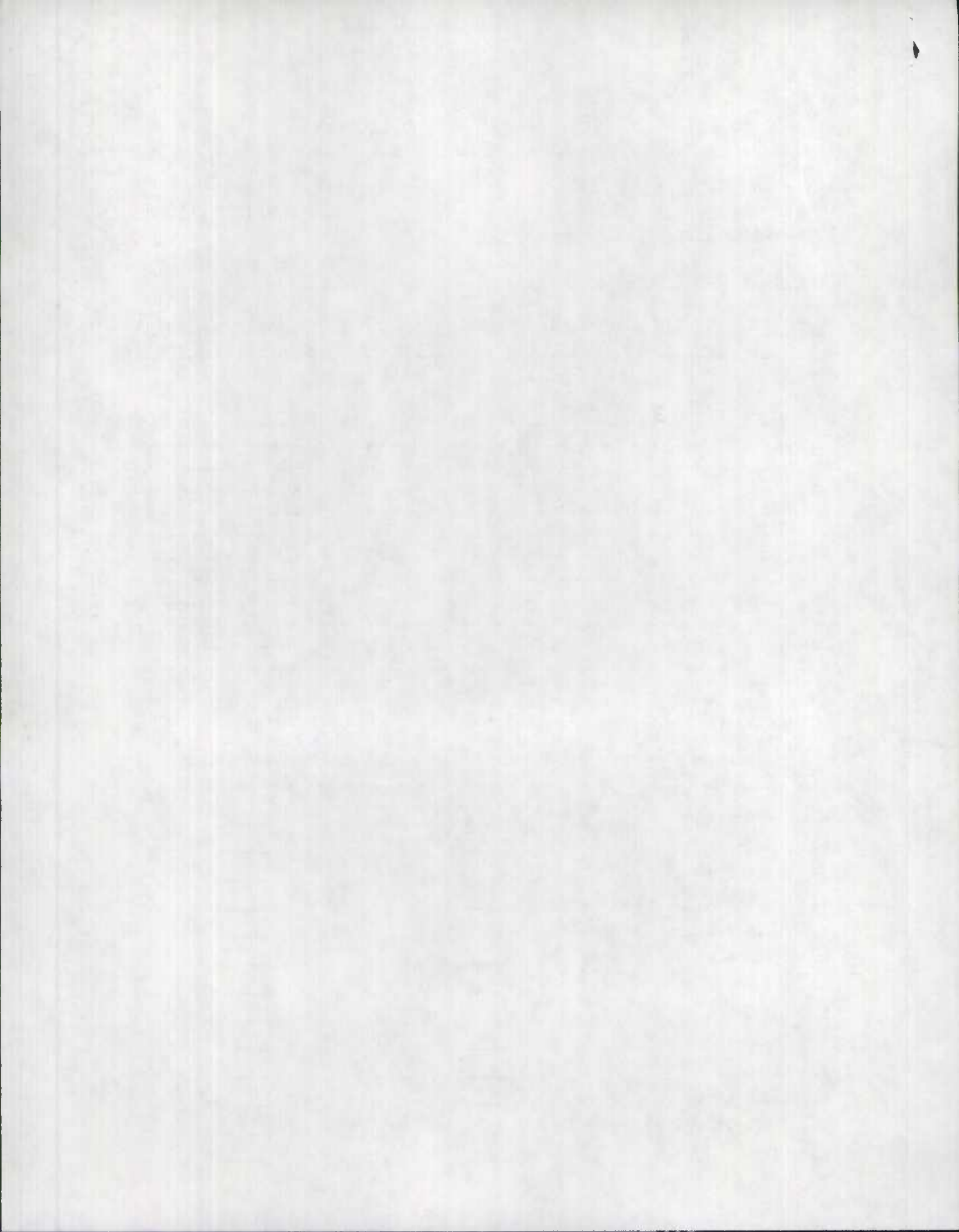
Route No: MU 1020 999
Sample No: 11
County: Baltimore (City) 24

Starting Mile Pt: 0.51
Ending Mile Pt: 0.99
(0.48)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ordi. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2533</u>	<u>100</u>	<u>0</u>	

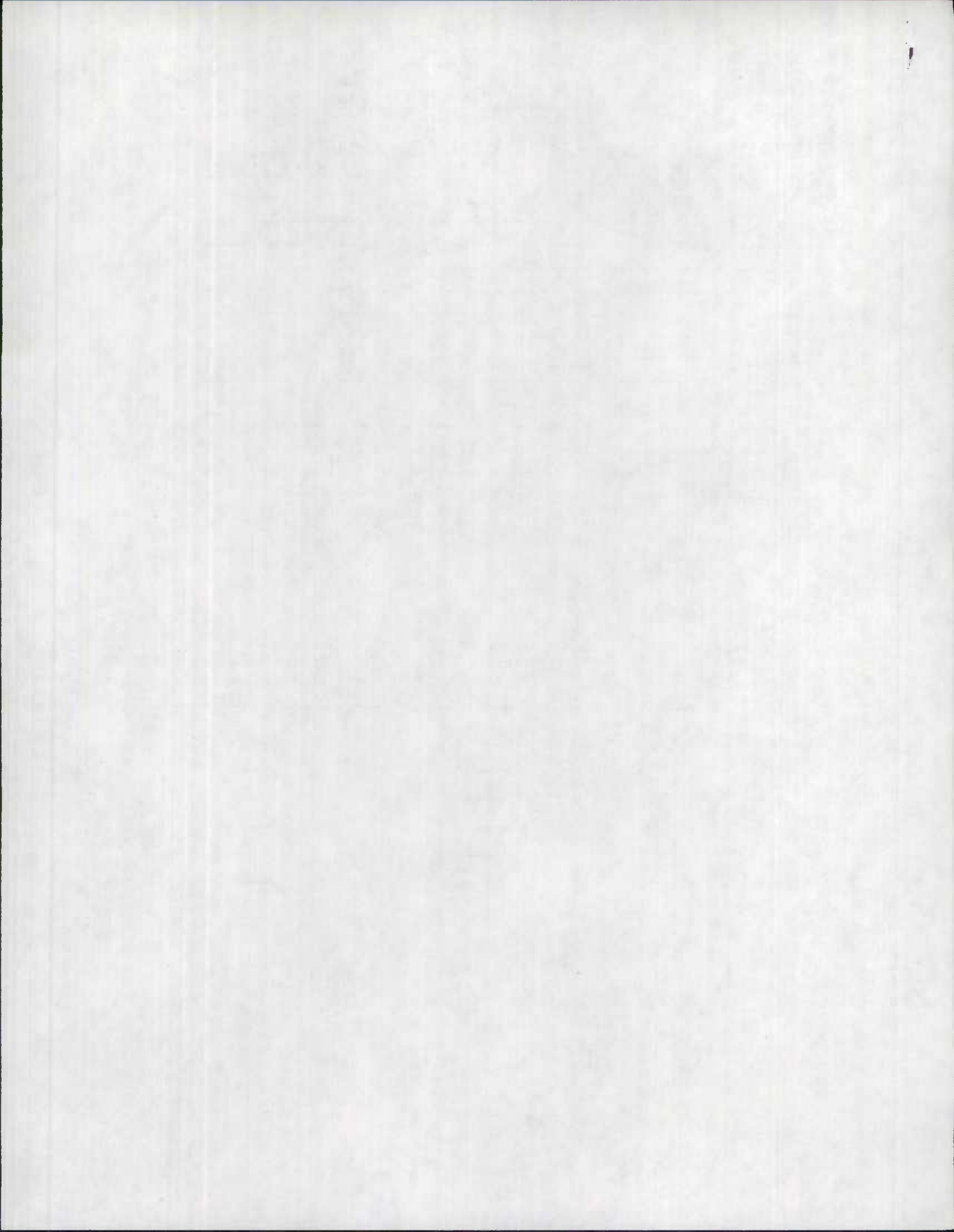
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.48</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
2	1109	+3.8 %	
1109	2533	-4.8 %	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	-----	-----
b.	0.5-2.4	-----	-----
c.	2.5-4.4	1	0.21
d.	4.5-6.4	1	0.27
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

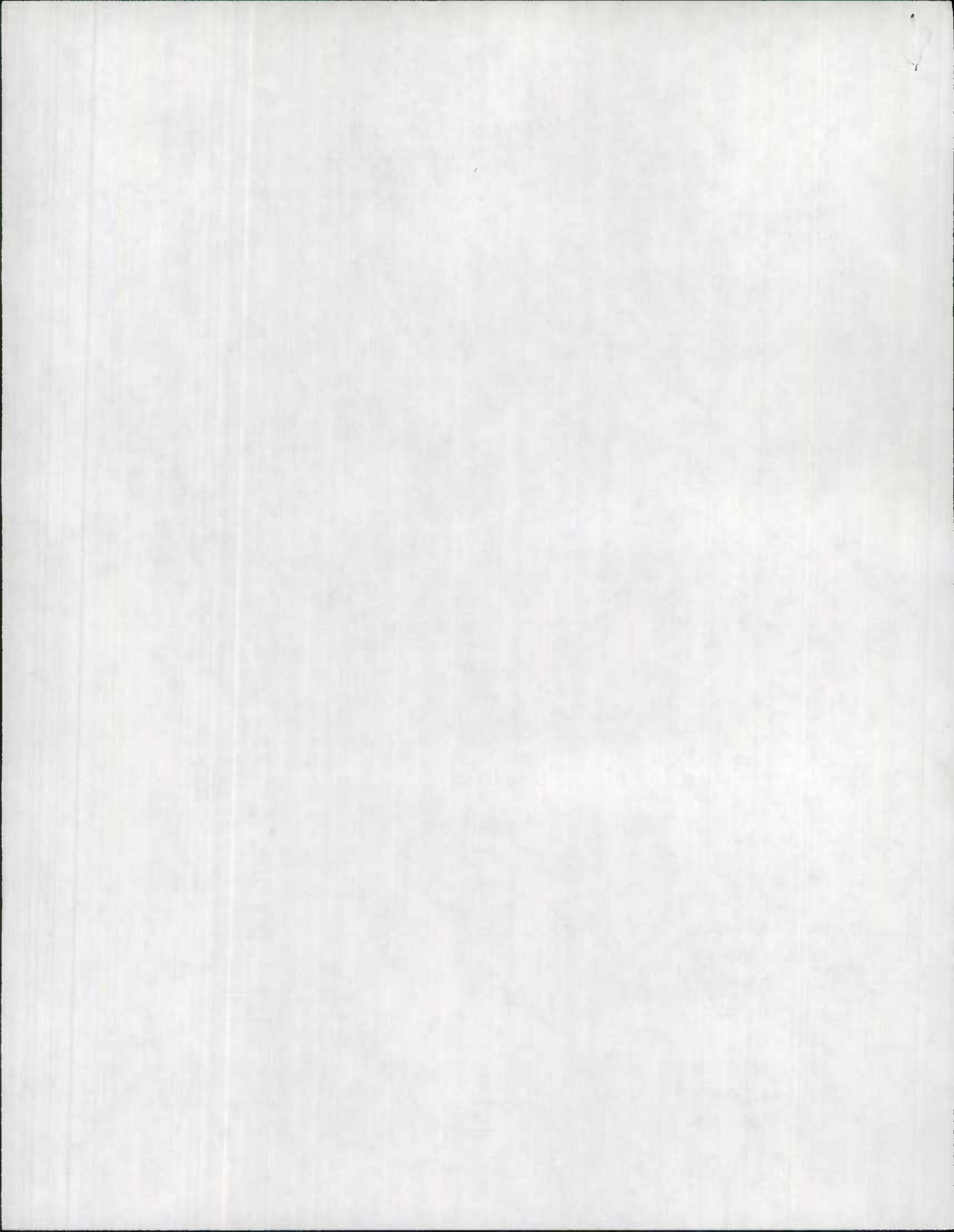
Route No: MU 1022 999
 Sample No: 12
 County: (Baltimore city) 824 ✓

Starting Mile Pt: 1.23
 Ending Mile Pt: 1.91
(0.68)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord1. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>3598</u>	<u>120</u>	<u>0</u>	
<u>445</u>		<u>899</u>	<u>3</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

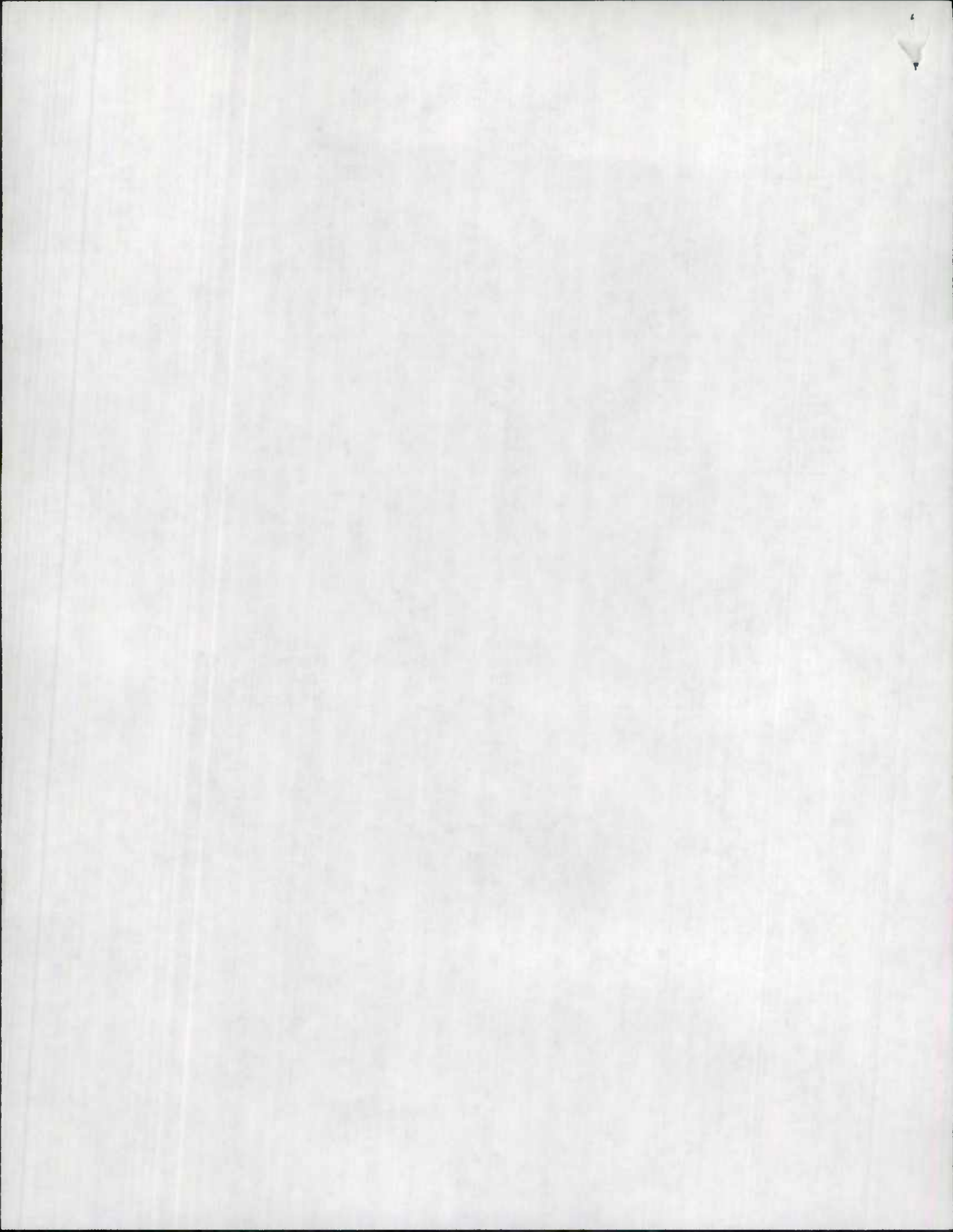
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.68</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	2226	0	-----
2226	2780	+1.8%	-----
2780	3598	-1.0%	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.42</u>
b.	0.5-2.4	<u>2</u>	<u>0.26</u>
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

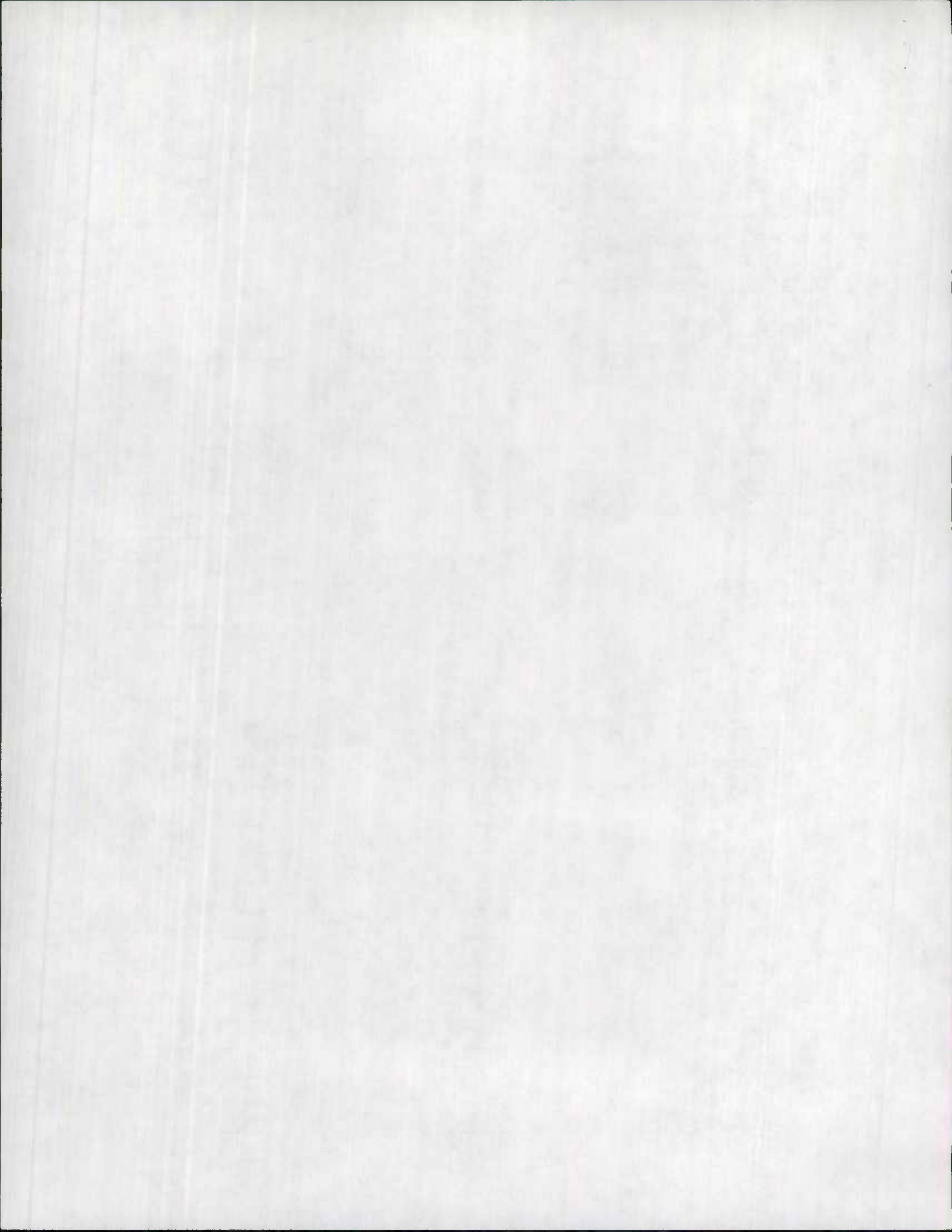
Route No: MV 1023 999
 Sample No: 13
 County: (Baltimore City) §248

Starting Mile Pt: 0.05
 Ending Mile Pt: 0.16
(0.11)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>581</u>	<u>99.7</u>	<u>3.0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

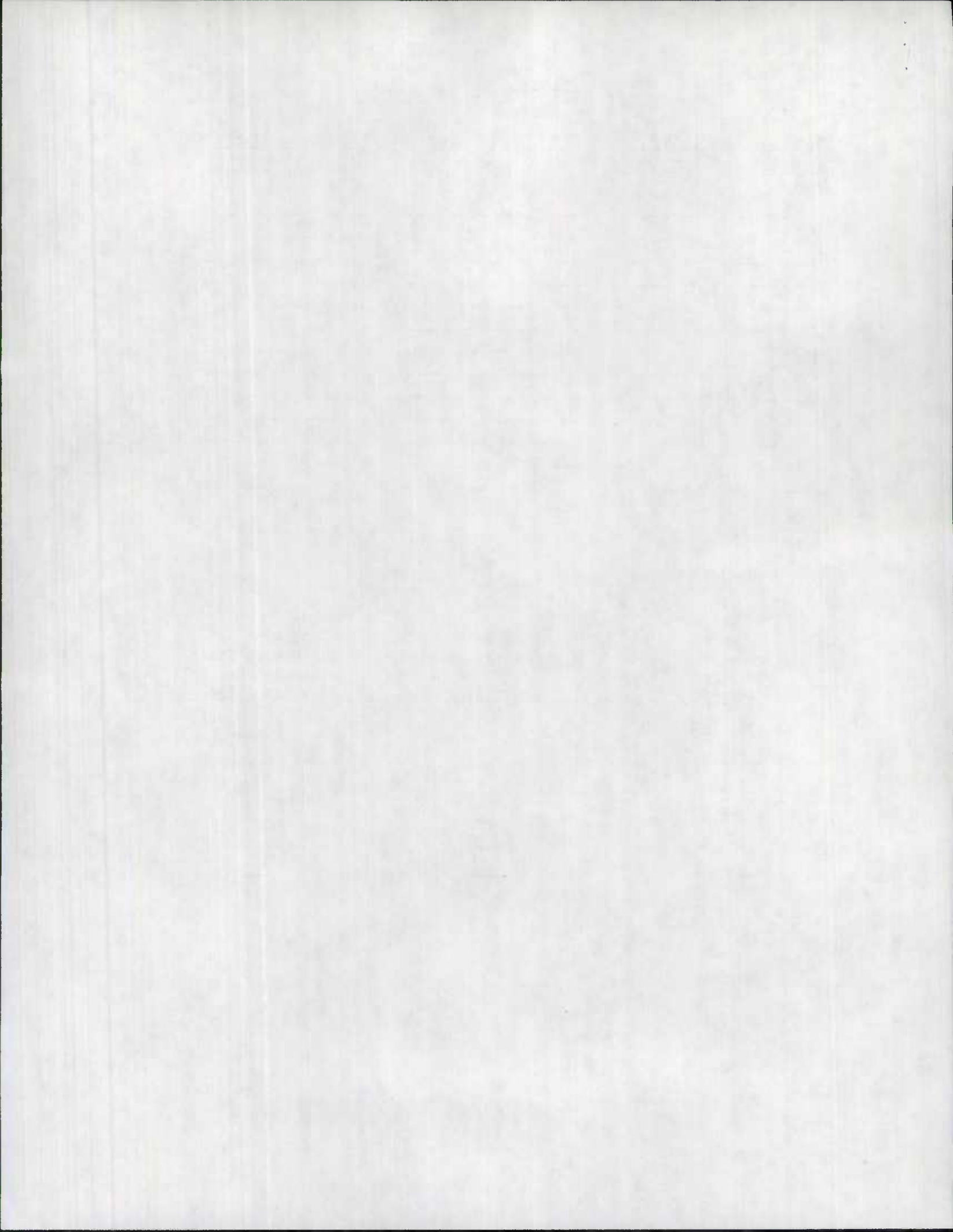
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	-----	-----
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	<u>1</u>	<u>0.11</u>
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	581	+3.8%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	—	—
b.	0.5-2.4	—	—
c.	2.5-4.4	1	0.11
d.	4.5-6.4	—	—
e.	6.5-8.4	—	—
f.	8.5-	—	—



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MD 1023 999
 Sample No: 14
 County: (Baltimore City) (2P) 24

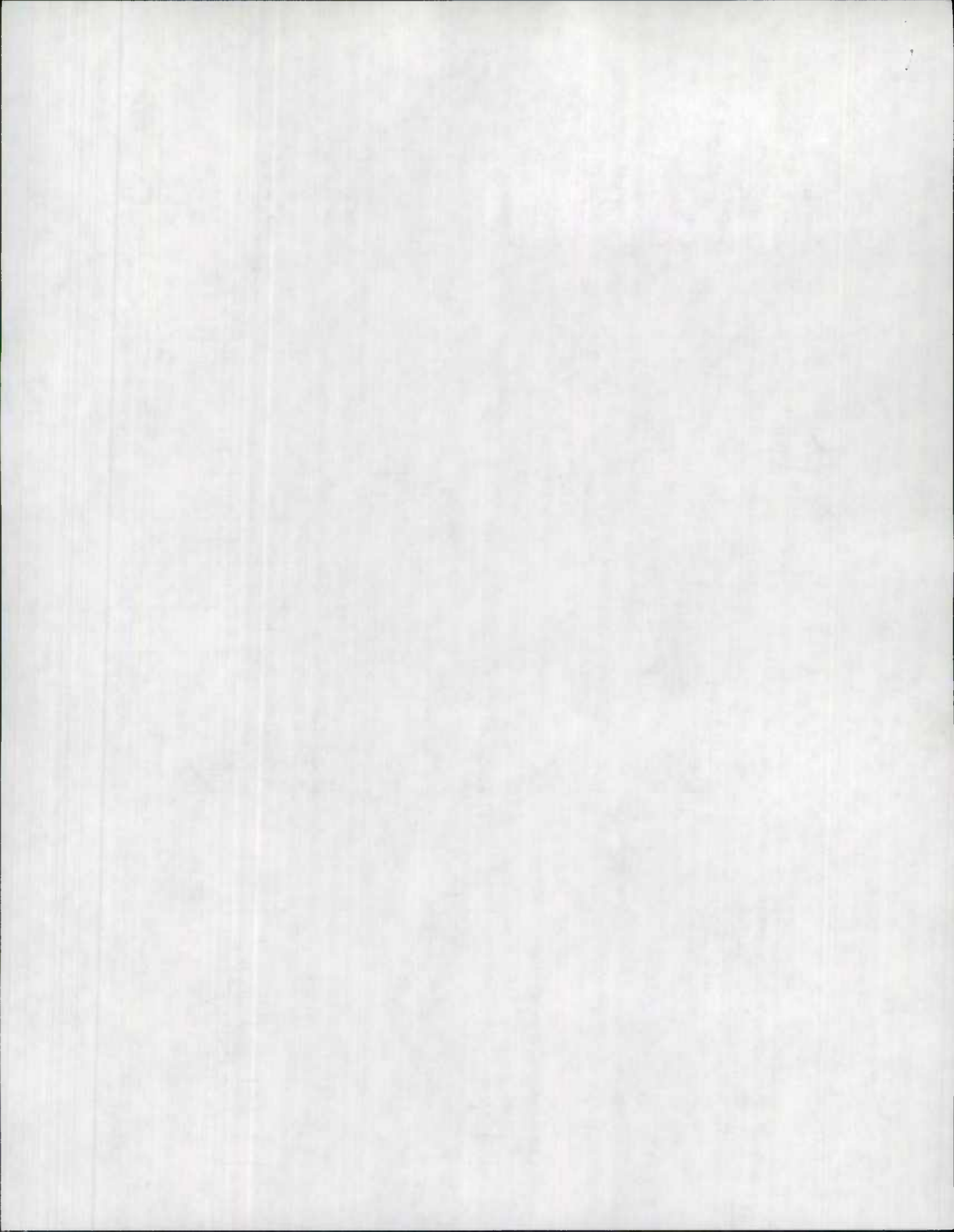
Starting Mile Pt: 1.32
 Ending Mile Pt: 1.86

(0.54)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>142</u>	<u>100</u>	<u>0</u>	
<u>R 242</u>	<u>1267</u>	<u>99.9</u>	<u>1.2</u>	
<u>852 1267</u>	<u>1442</u>	<u>100</u>	<u>0</u>	
<u>L 1442</u>	<u>2533</u>	<u>99.8</u>	<u>2.1</u>	
<u>2533</u>	<u>2852</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

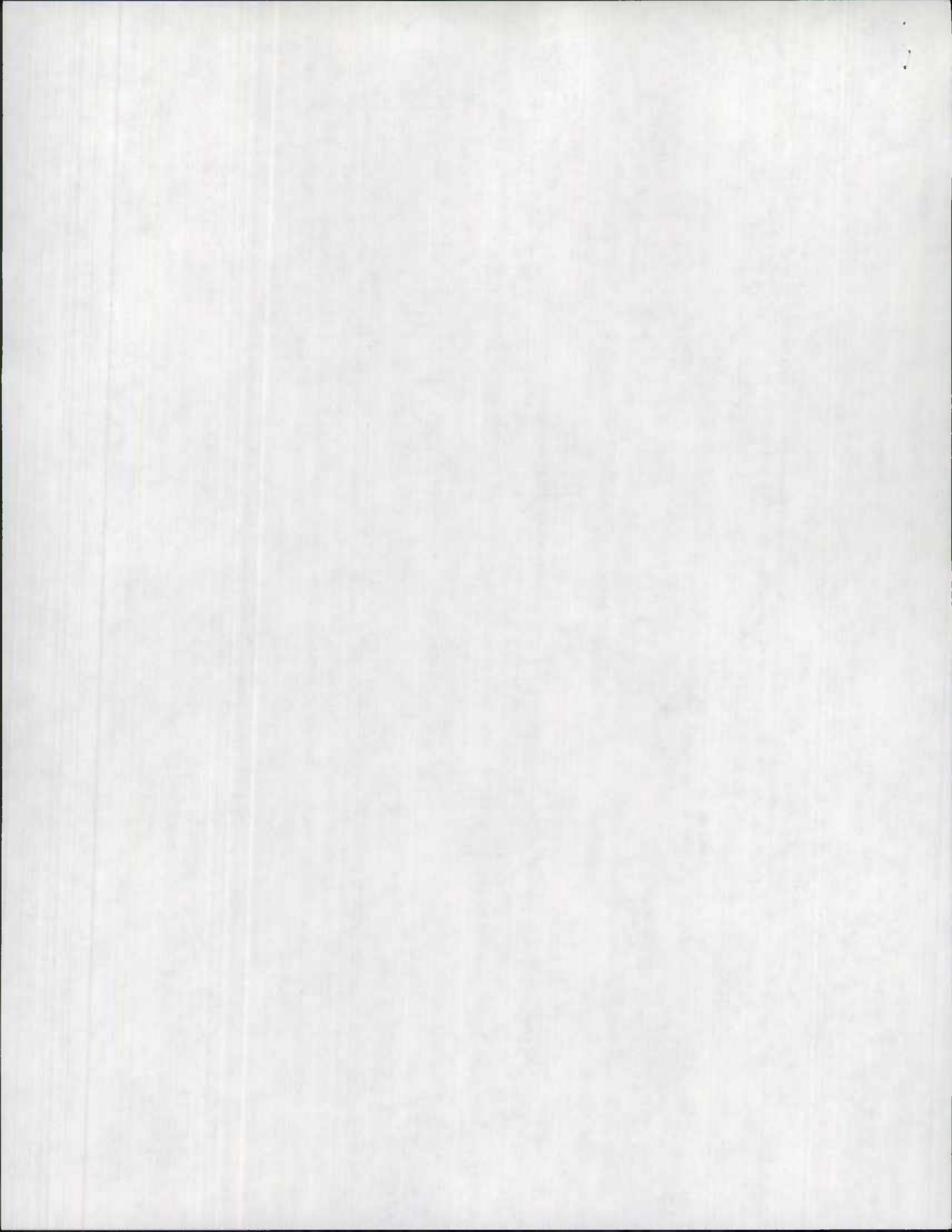
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>3</u>	<u>0.12</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	<u>1</u>	<u>0.22</u>
h.	7.0-8.4	-----	-----
i.	8.5-10.9	<u>1</u>	<u>0.20</u>
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1442	+3.3%	-----
1442	1738	-5.7%	-----
1738	2852	0%	-----
2588			-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

Grade Classes by Gradient (Percent)	Number of Grades (Right- Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a. 0.0-0.4	<u>1</u>	<u>0.21</u>
b. 0.5-2.4	-----	-----
c. 2.5-4.4	<u>1</u>	<u>0.27</u>
d. 4.5-6.4	<u>1</u>	<u>0.06</u>
e. 6.5-8.4	-----	-----
f. 8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

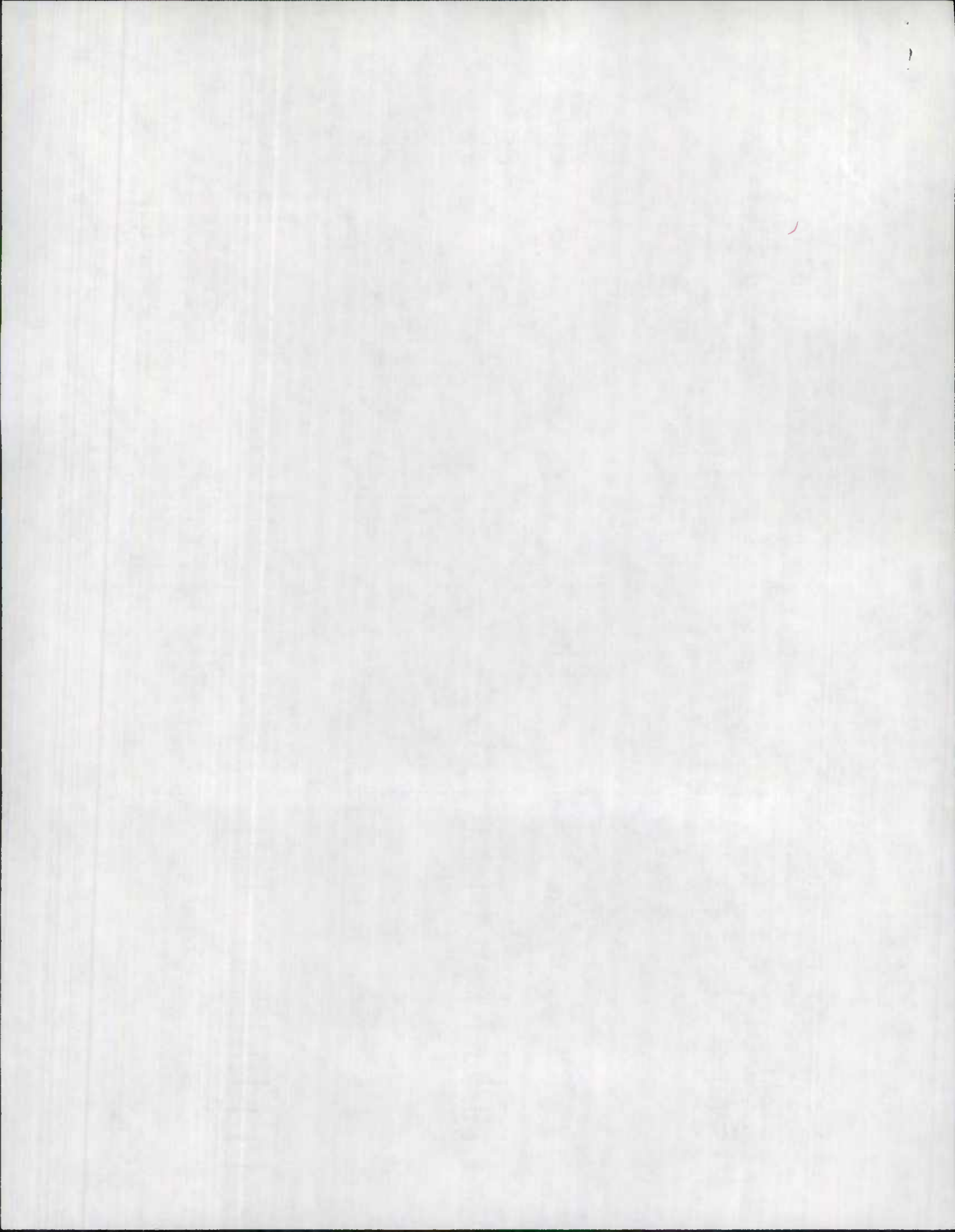
Route No: MD 1045 999
 Sample No: 15
 County: Baltimore City E24

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.23
(0.23)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1163</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

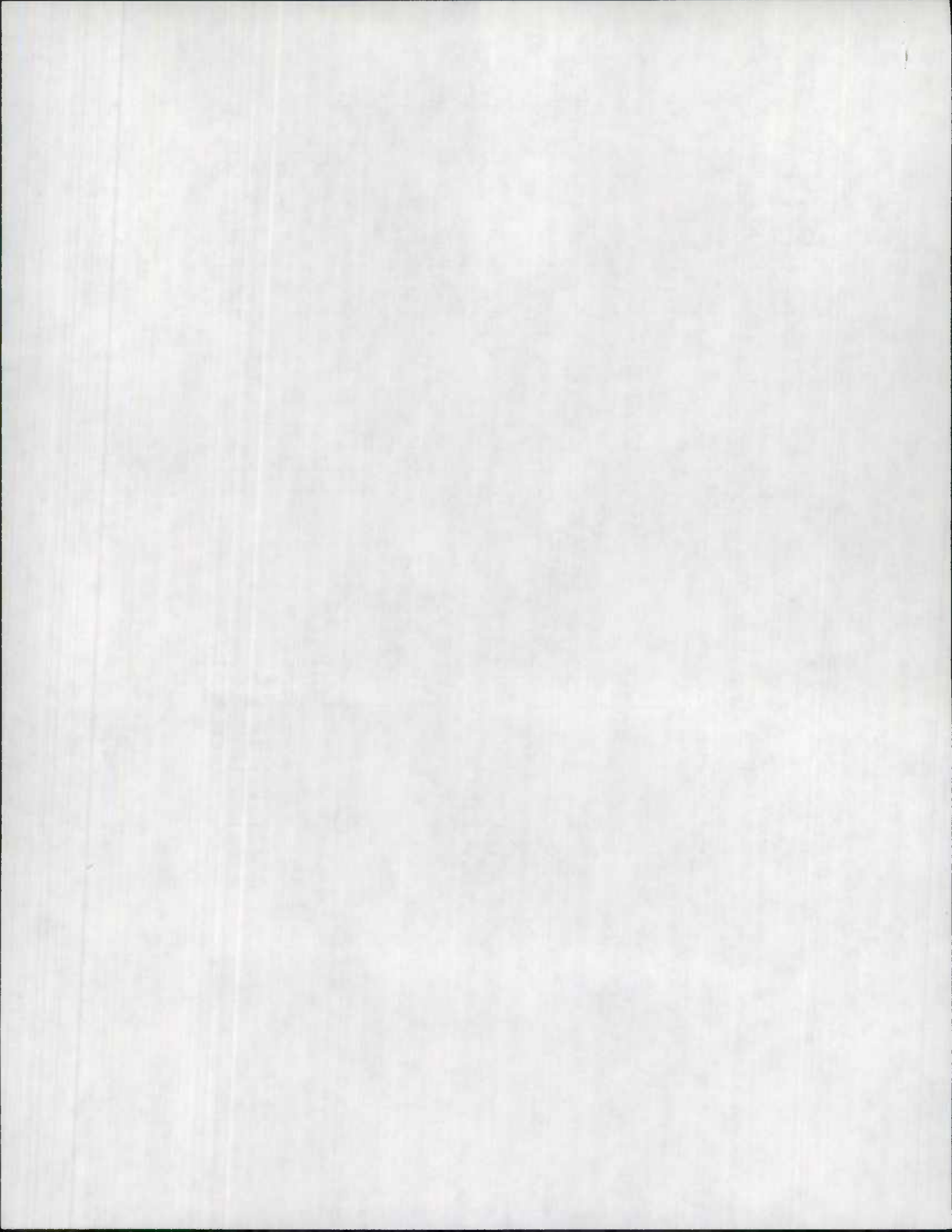
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.23</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0 334	334 1163	0% +2.0%	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade</u> <u>Classes</u> <u>by</u> <u>Gradient</u> <u>(Percent)</u>	<u>Number of</u> <u>Grades</u> <u>(Right-</u> <u>Justified)</u>	<u>Length of</u> <u>Grades in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.06</u>
b.	0.5-2.4	<u>1</u>	<u>0.17</u>
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MV 1100 999

Starting Mile Pt: 2.92

Sample No: 16

Ending Mile Pt: 1.63

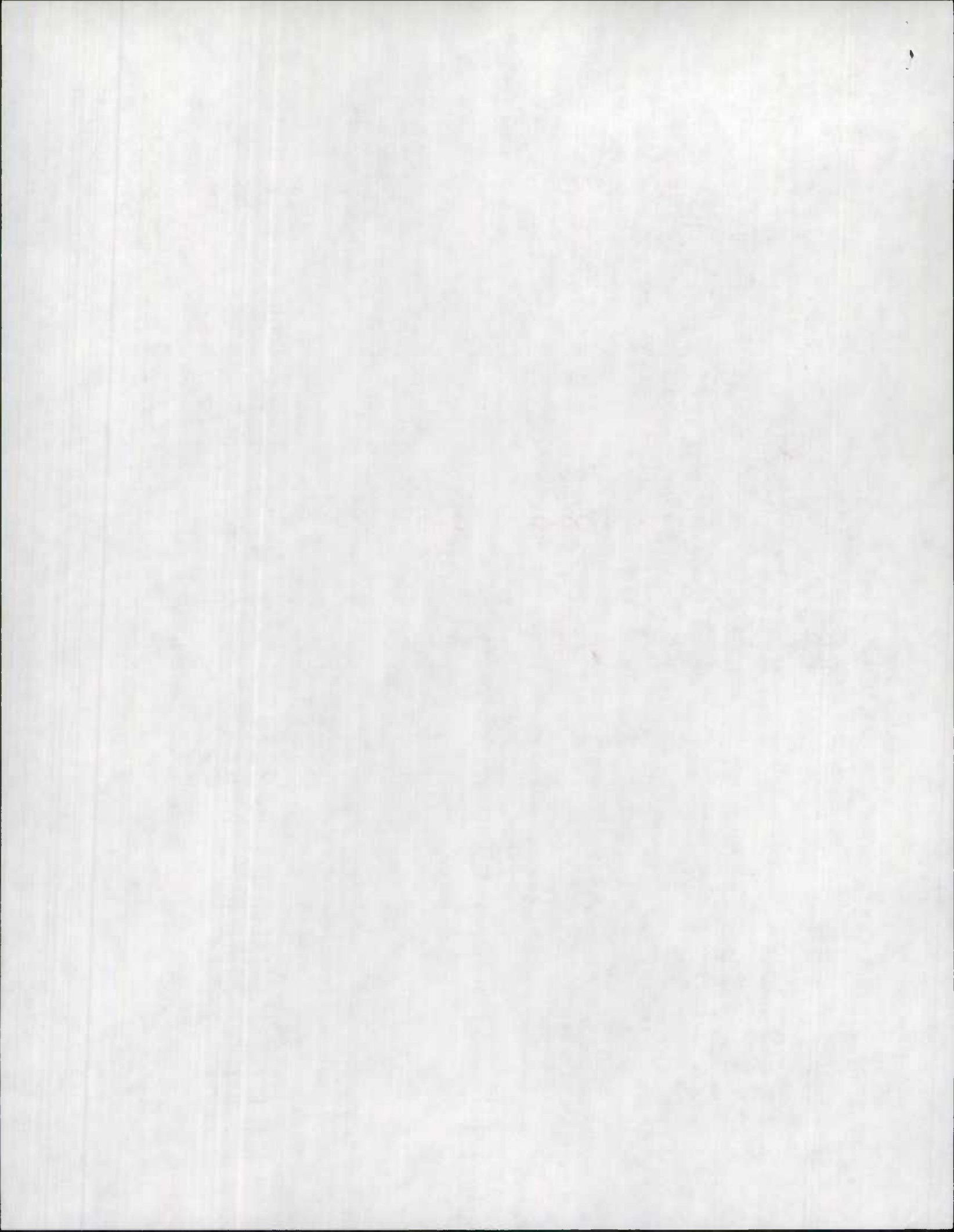
County: (Baltimore City) 24

(0.71)

Horizontal Curve Section

	<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> length (/100ft)	<u>Central</u> Ordi. Length (/100ft)	<u>Length of Total</u> Curve in(x.xxmile)
	<u>0</u>	<u>396</u>	<u>100</u>	<u>0</u>	
R	<u>396</u>	<u>499</u>	<u>99.6</u>	<u>3.8</u>	
	<u>499 499</u>	<u>848</u>	<u>100</u>	<u>0</u>	
L	<u>848</u>	<u>1207</u>	<u>99.9</u>	<u>1.2</u>	
R	<u>1207</u>	<u>1520</u>	<u>99.9</u>	<u>1.1</u>	
	<u>1520</u>	<u>2184</u>	<u>100.0</u>	<u>0.0</u>	
L	<u>2184</u>	<u>2382</u>	<u>99.7</u>	<u>3.0</u>	
	<u>2382</u>	<u>2724</u>	<u>100</u>	<u>0</u>	
R	<u>2724</u>	<u>3093</u>	<u>99.8</u>	<u>2.2</u>	
	<u>3093</u>	<u>3423</u>	<u>100</u>	<u>0</u>	
	<u>3423</u>	<u>3676</u>	<u>99.8</u>	<u>2.1</u>	
	<u>3676</u>	<u>3749</u>	<u>100</u>	<u>0</u>	

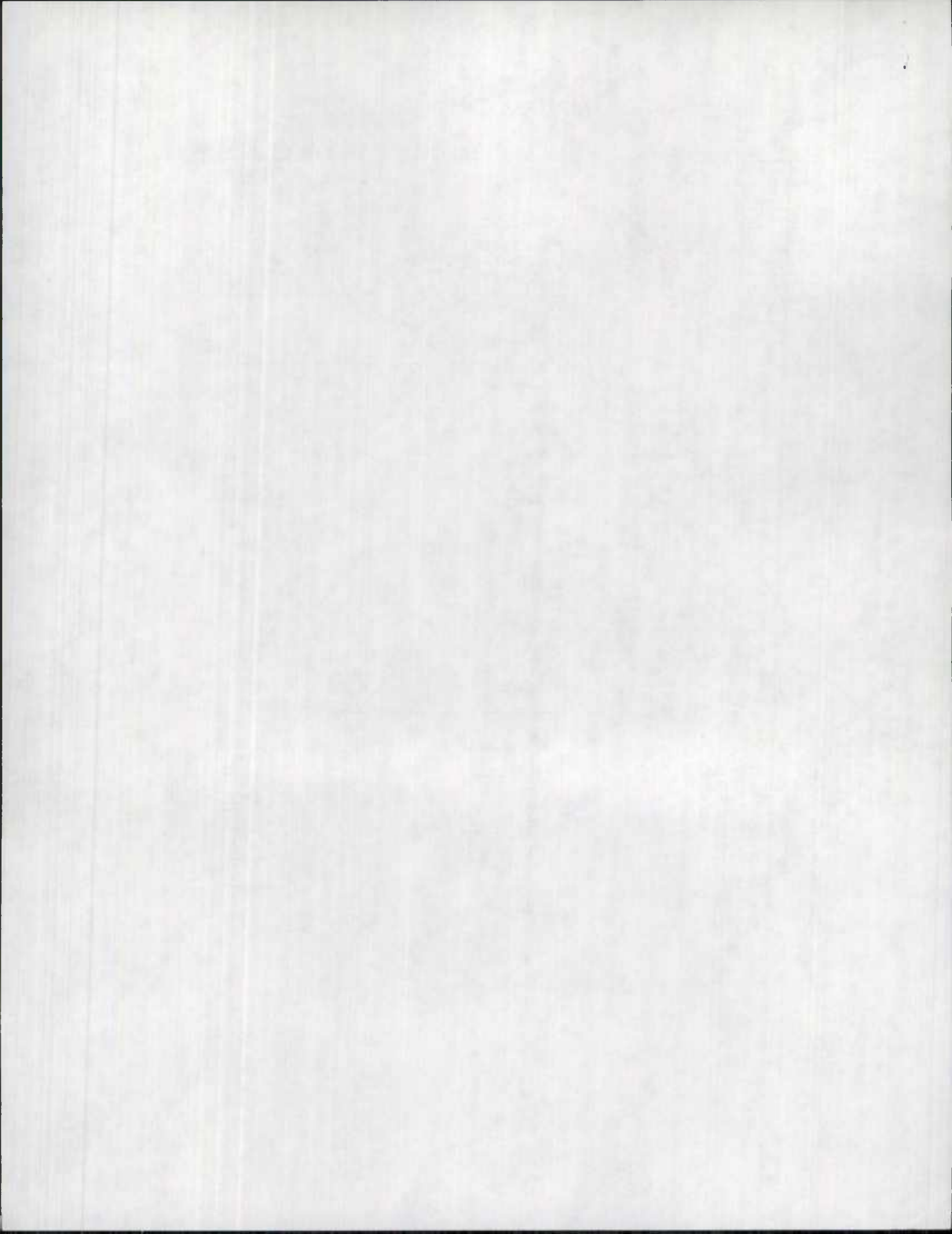
	<u>Curve</u> <u>Classes</u> by <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> (Right- Justified)	<u>Length</u> <u>of Curves</u> <u>in Class</u> (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	<u>6</u>	<u>0.40</u>
b.	0.5-1.4	---	---
c.	1.5-2.4	---	---
d.	2.5-3.4	---	---
e.	3.5-4.4	---	---
f.	4.5-5.4	<u>1</u>	<u>0.06</u>
g.	5.5-6.9	<u>1</u>	<u>0.07</u>
h.	7.0-8.4	---	---
i.	8.5-10.9	<u>2</u>	<u>0.12</u>
j.	11.0-13.9	<u>1</u>	<u>0.04</u>
k.	14.0-19.4	<u>1</u>	<u>0.02</u>
l.	19.5-27.9	---	---
m.	23+	---	---



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	490	2.20%	-----
490	848	-1.60%	-----
848	2724	+7.70%	-----
2724	3093	0%	-----
3093	3425	-6.0%	-----
3425	3749	+3.0%	-----
2			-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.07</u>
b.	0.5-2.4	<u>2</u>	<u>0.16</u>
c.	2.5-4.4	<u>1</u>	<u>0.06</u>
d.	4.5-6.4	<u>1</u>	<u>0.06</u>
e.	6.5-8.4	<u>1</u>	<u>0.36</u>
f.	8.5-	---	---



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

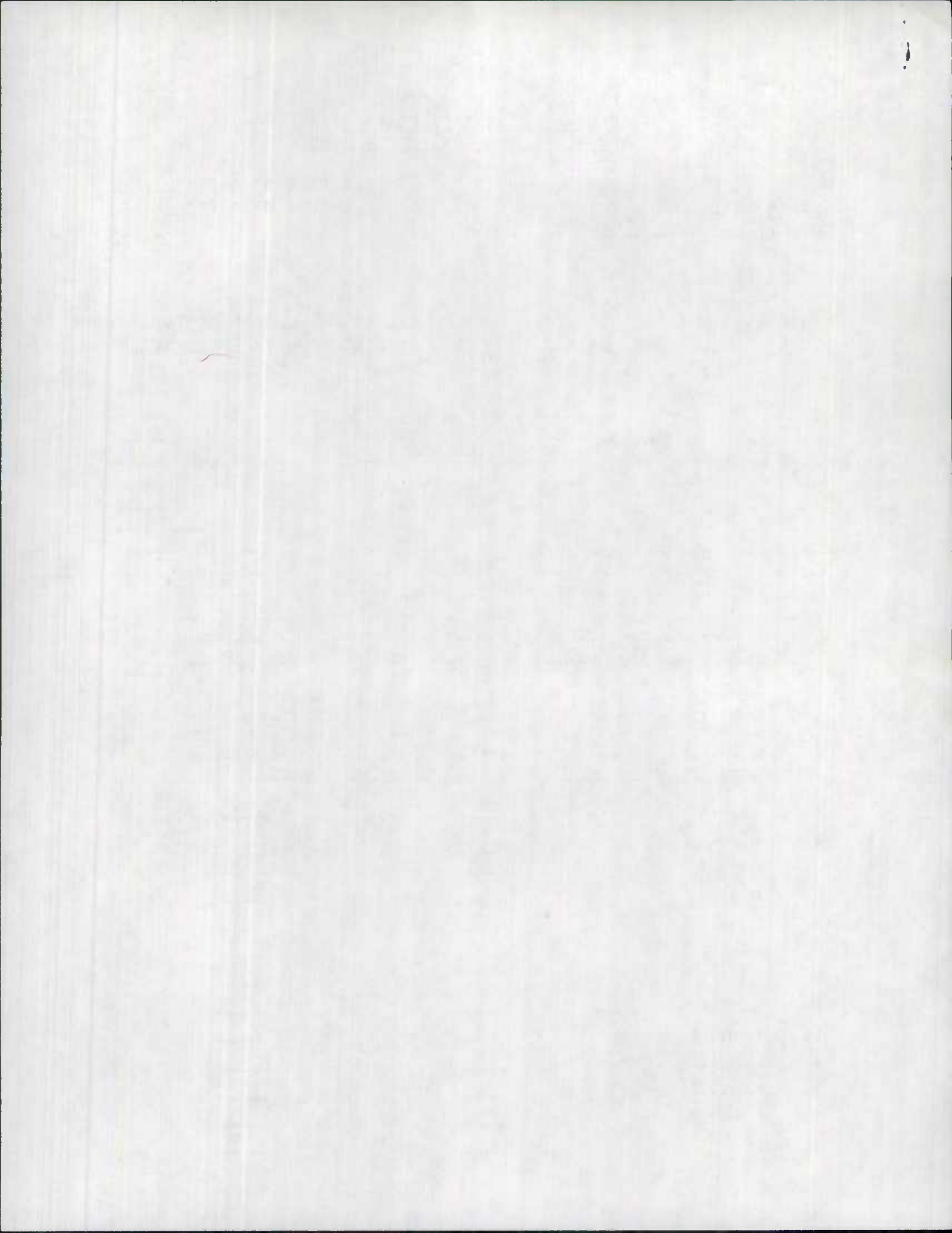
Route No: MU 1125
 Sample No: 17
 County: (Baltimore City) 24

Starting Mile Pt: 0.52
 Ending Mile Pt: 0.67
(0.15)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>792</u>	<u>120</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

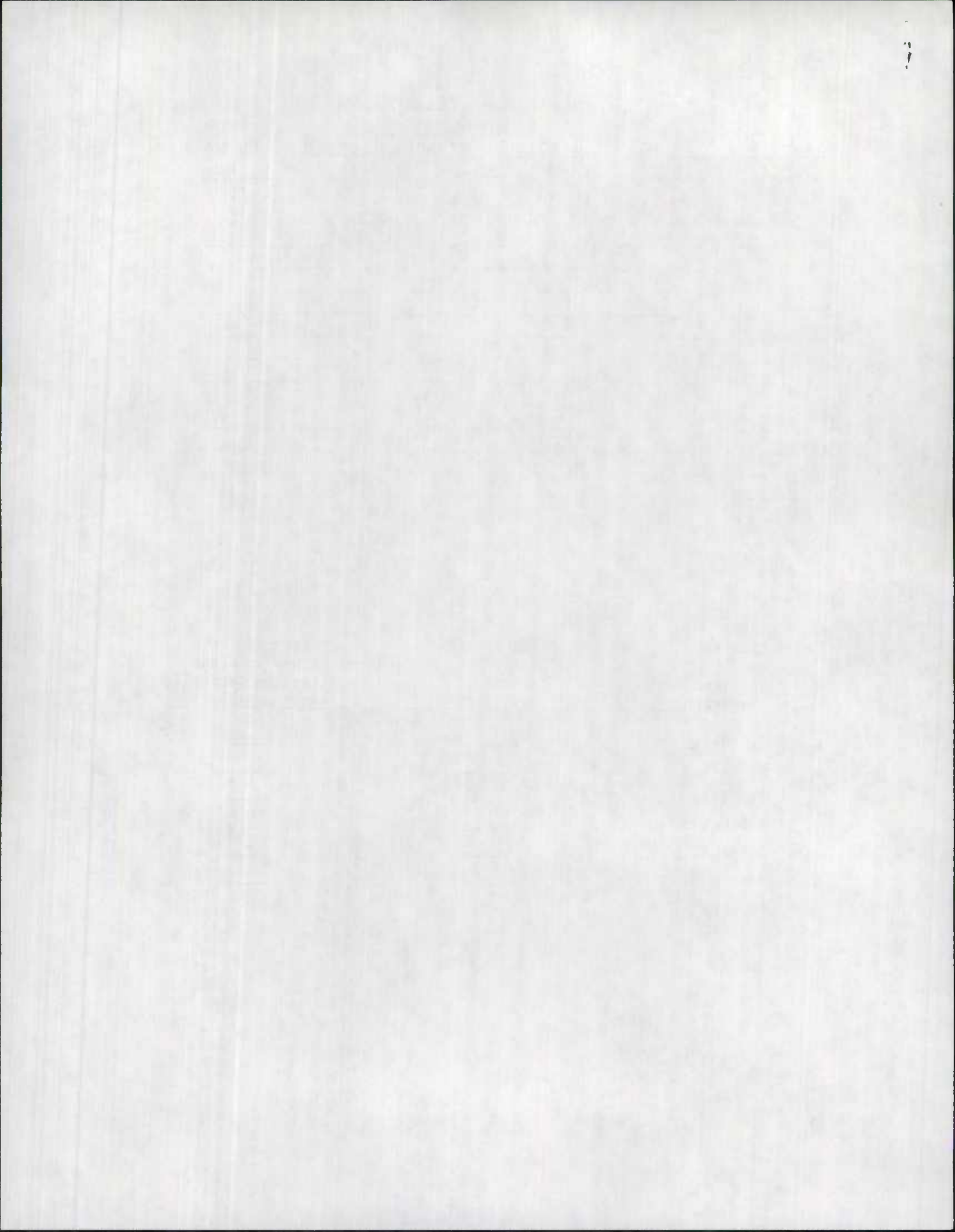
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.15</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
6	793	-5.2%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	---	---
b.	0.5-2.4	---	---
c.	2.5-4.4	---	---
d.	4.5-6.4	1	0.15
e.	6.5-8.4	---	---
f.	8.5-	---	---



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

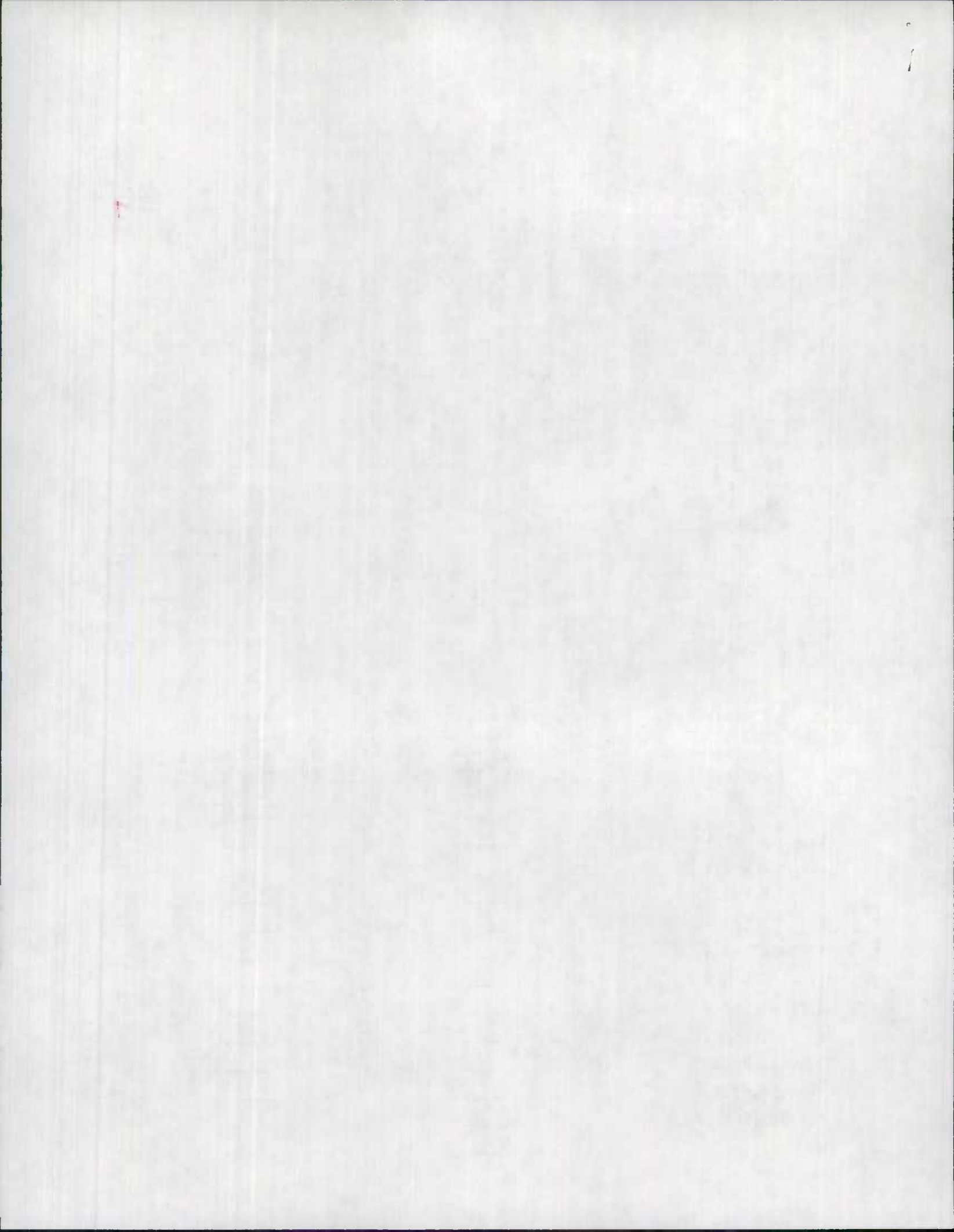
Route No: MV 1125 999
 Sample No: 18
 County: (Baltimore City) 24

Starting Mile Pt: 1.52
 Ending Mile Pt: 1.71
 (0.19)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1003</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

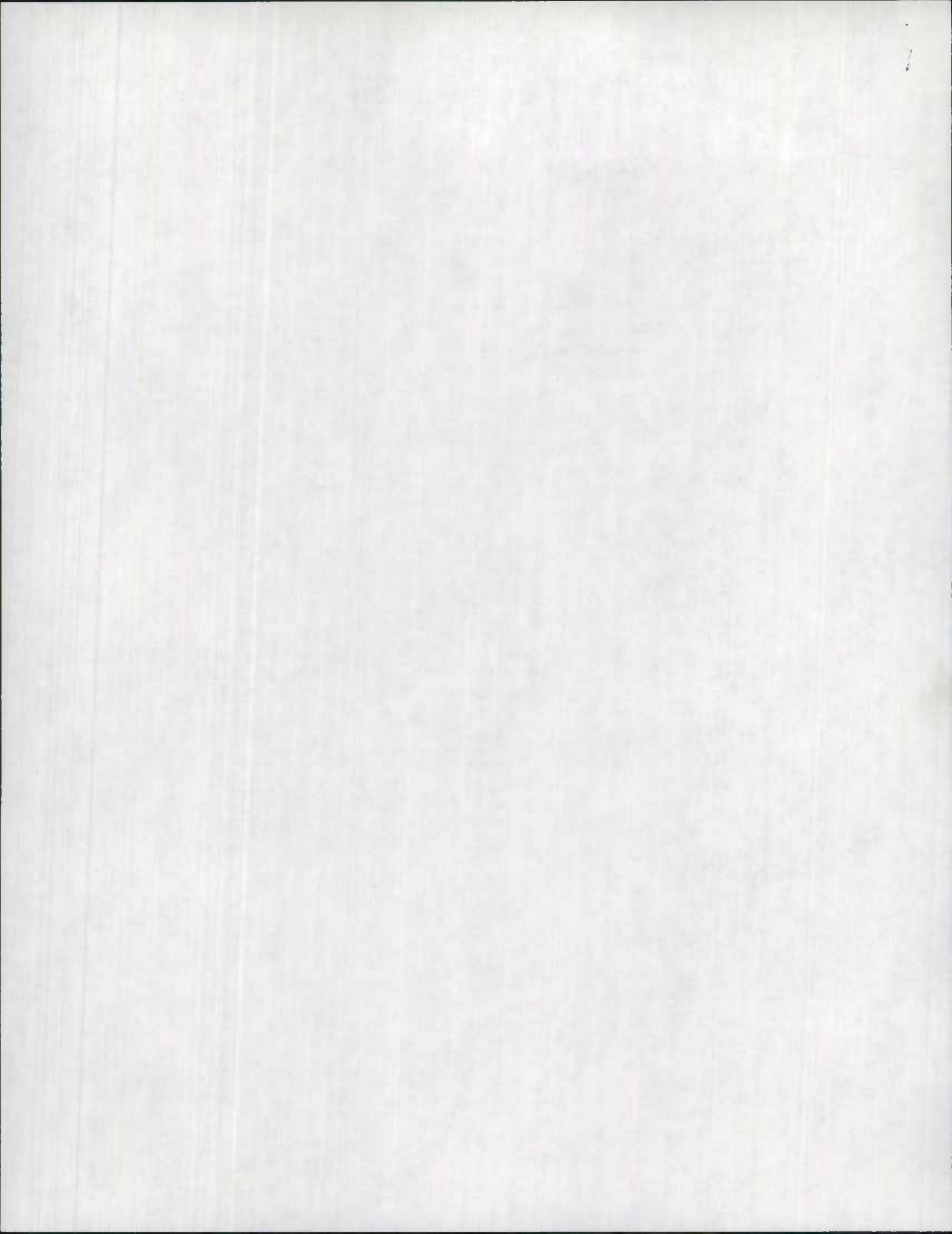
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.19</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1003	+3.1%	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	-----	-----
b.	0.5-2.4	-----	-----
c.	2.5-4.4	1	0.19
d.	4.5-6.4	3	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

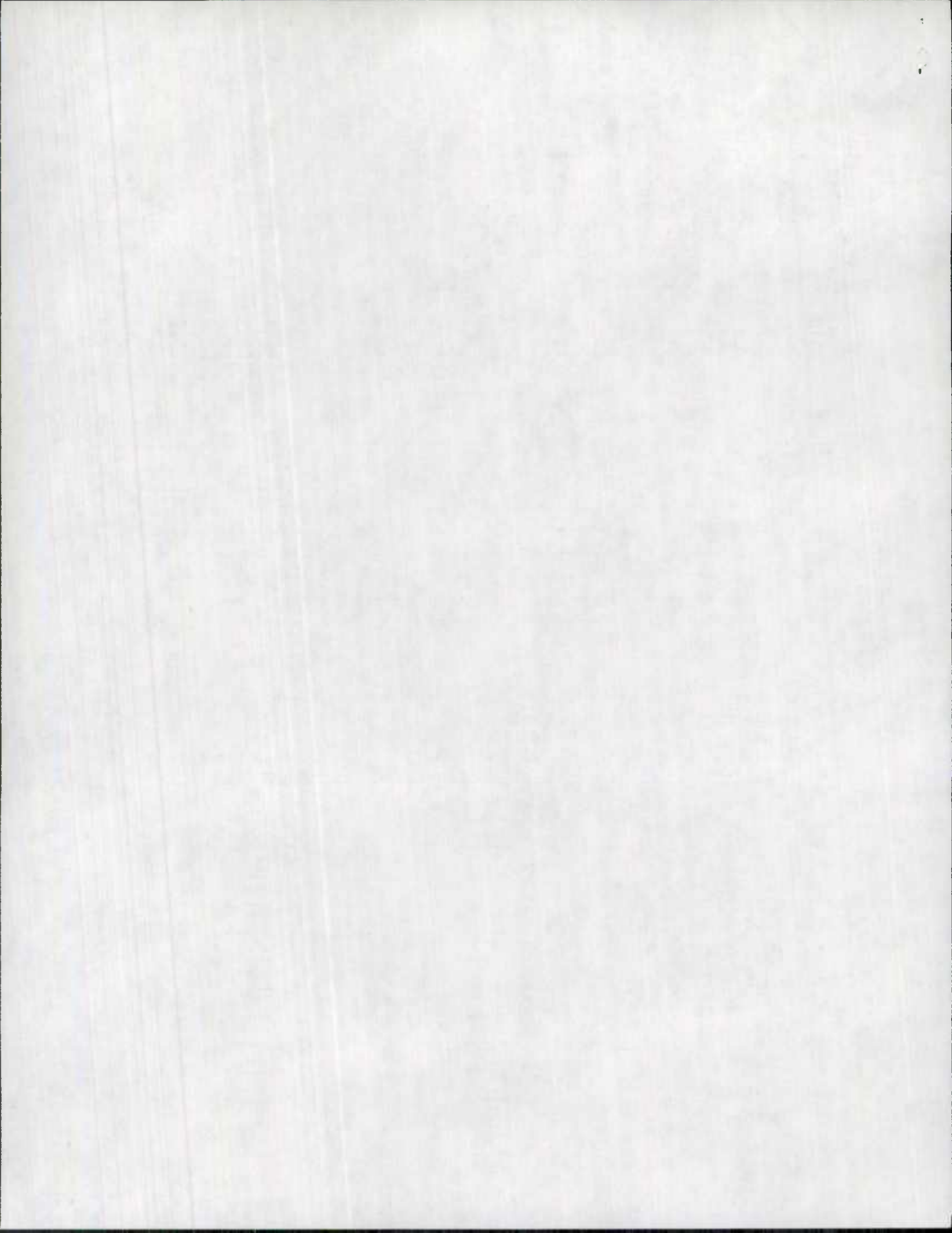
Route No: MV 1141 999 ✓
 Sample No: 19
 County: Baltimore City (24)

Starting Mile Pt: 0.42
 Ending Mile Pt: 0.61
 (0.19)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord1. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1002</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

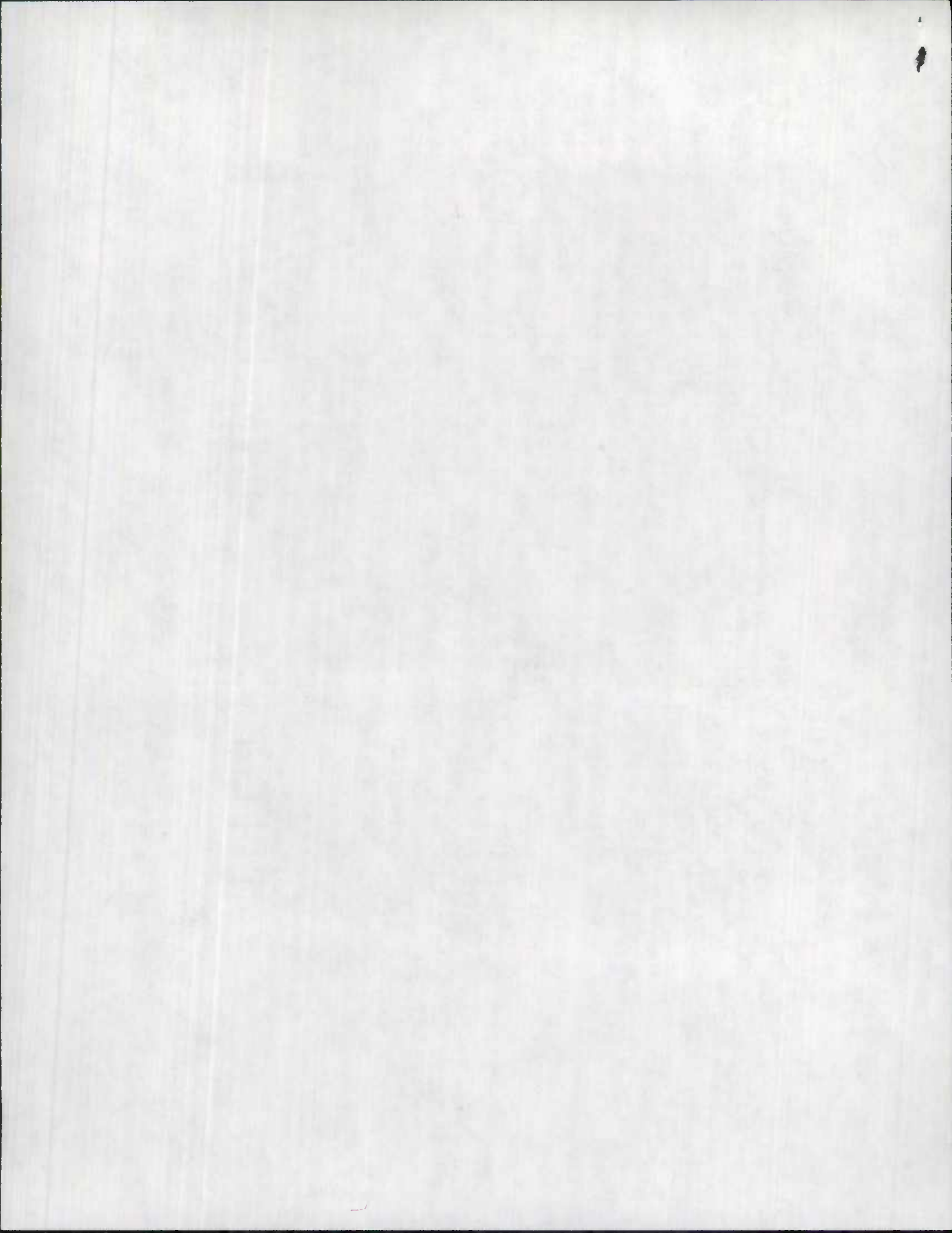
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.19</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	161	-3.1%	
160	100.3	+3.0%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	---	---
b.	0.5-2.4	---	---
c.	2.5-4.4	2	0.19
d.	4.5-6.4	---	---
e.	6.5-8.4	---	---
f.	8.5-	---	---



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

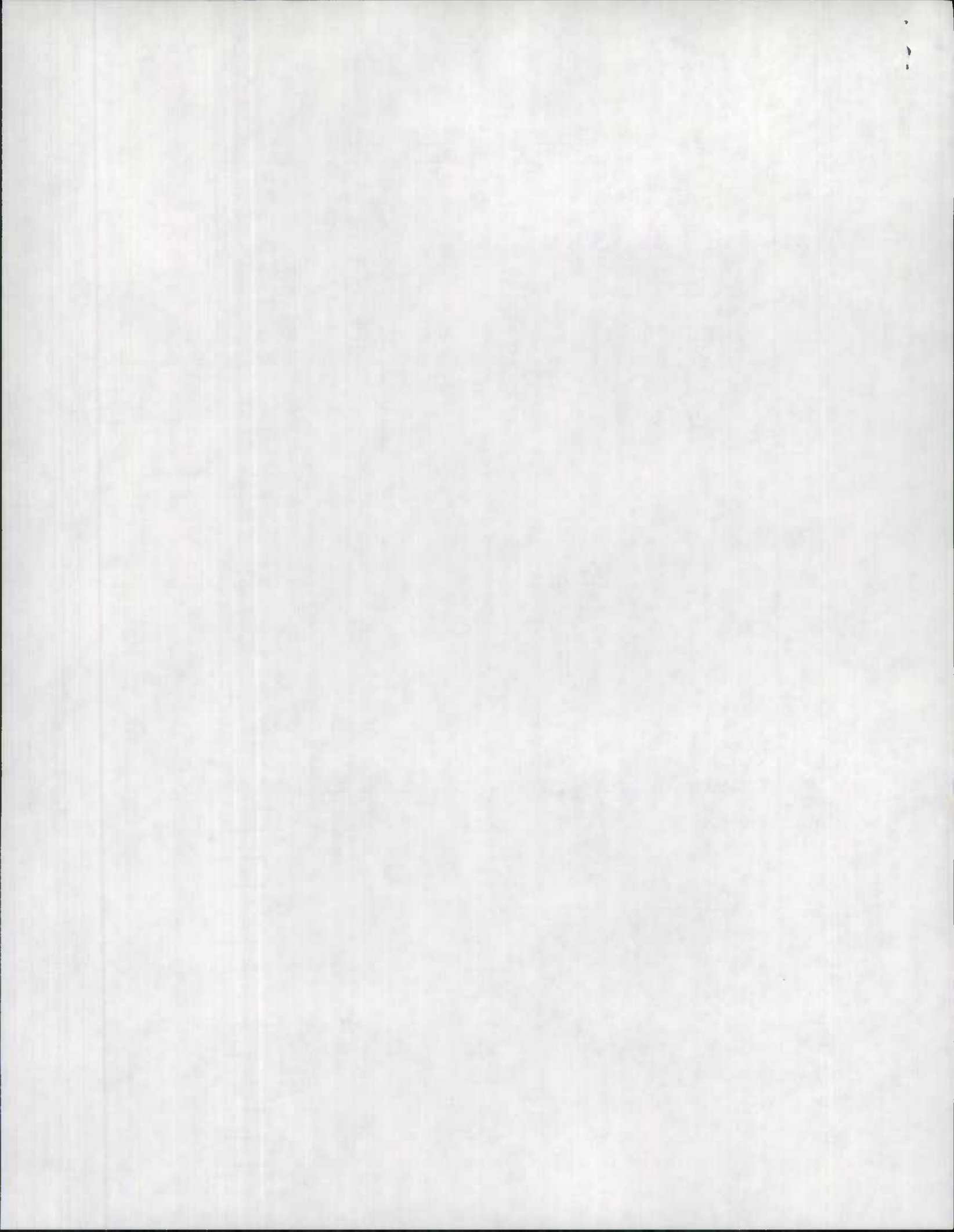
Route No: MU 1241
 Sample No: 20
 County: Baltimore city

Starting Mile Pt: 0.14
 Ending Mile Pt: 0.32
(0.18)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>950</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

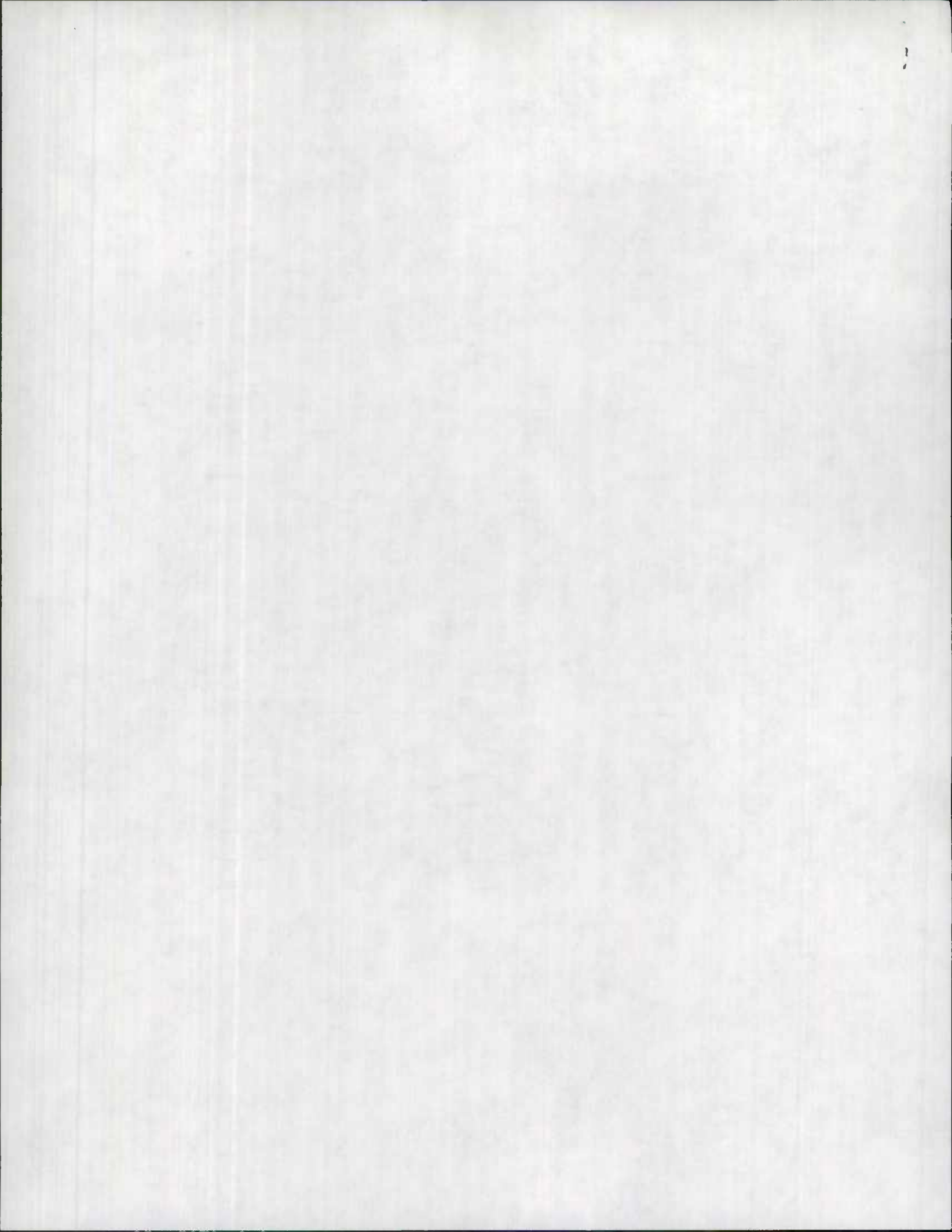
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.18</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	120	+3.0%	
120	950		
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.16</u>
b.	0.5-2.4	---	---
c.	2.5-4.4	<u>1</u>	<u>0.02</u>
d.	4.5-6.4	---	---
e.	6.5-8.4	---	---
f.	8.5-	---	---



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

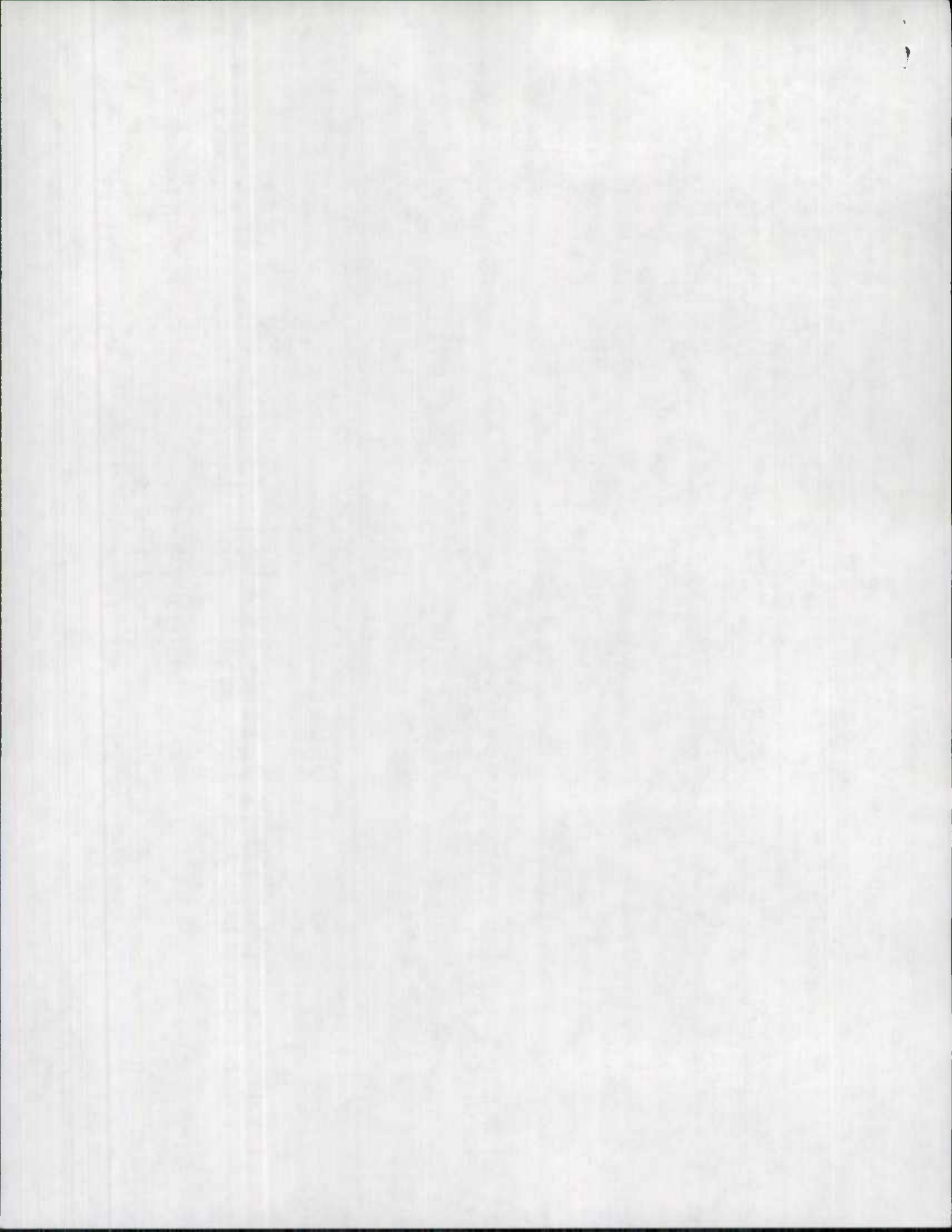
Route No: MU 1300 999
 Sample No: 21
 County: (Baltimore city) 24

Starting Mile Pt: 0.70
 Ending Mile Pt: 0.92
(0.22)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1163</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

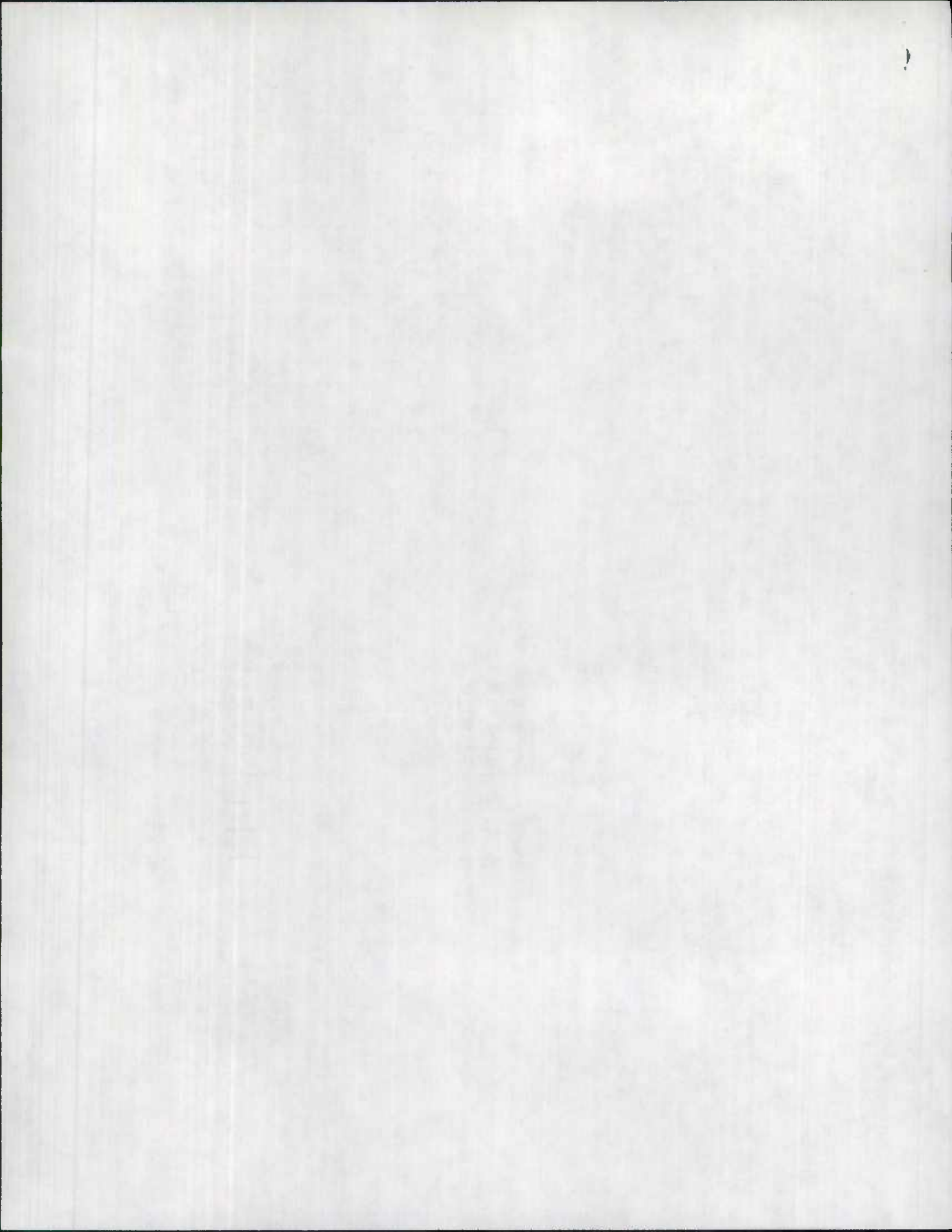
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.22</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
<u>0</u>	<u>1163</u>	<u>0%</u>	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.22</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MU 1370 999
 Sample No: 22
 County: (Baltimore City) 24

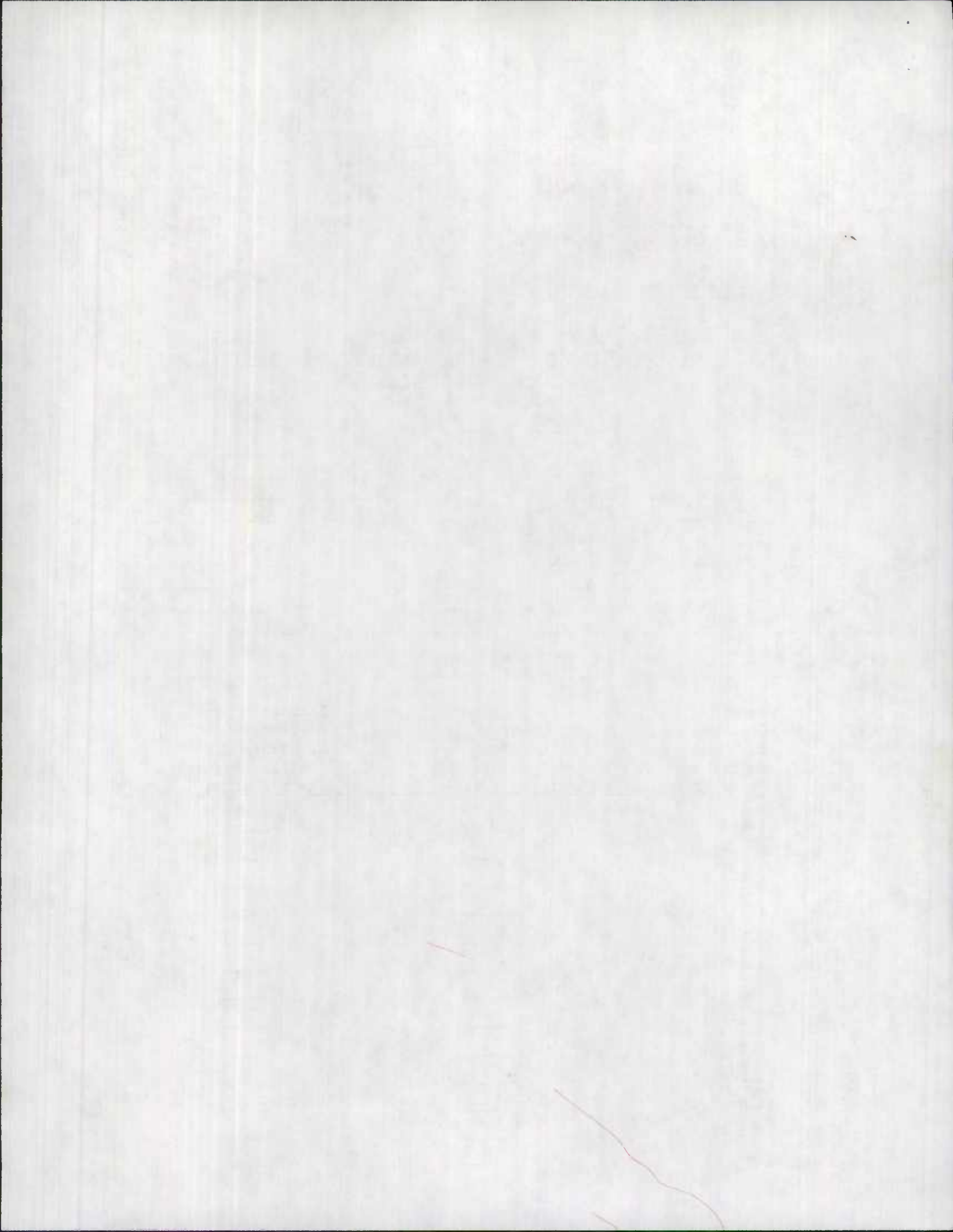
Starting Mile Pt: 0.10
 Ending Mile Pt: 0.45

(0.35)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1848</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.35</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0 1494	1494 1848	0% -2.4%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.28</u>
b.	0.5-2.4	<u>1</u>	<u>0.07</u>
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

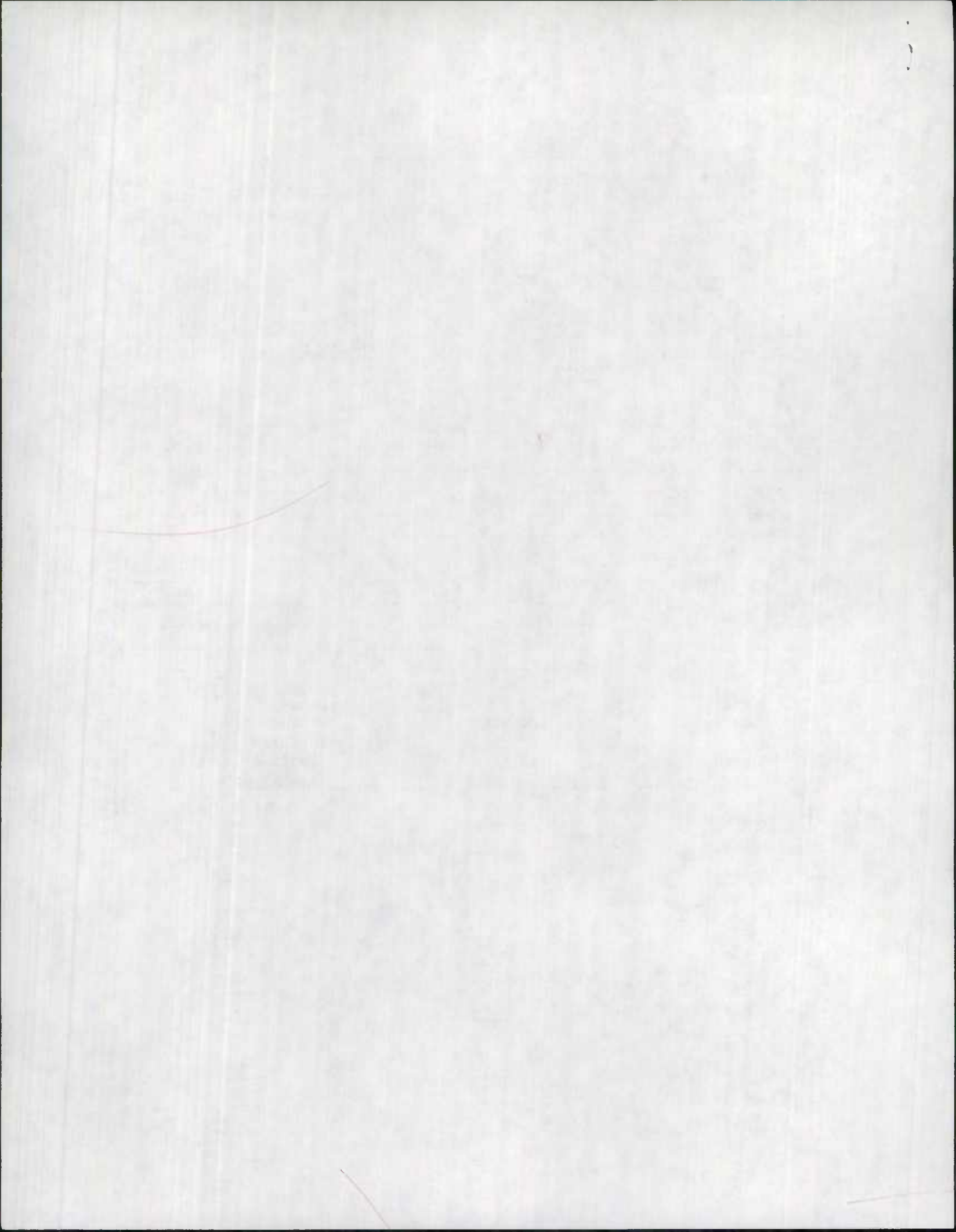
Route No: MU 1370 999
 Sample No: 23
 County: (Baltimore City) 24

Starting Mile Pt: 0.85
 Ending Mile Pt: 2.57
(1.72)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>774</u>	<u>100</u>	<u>0</u>	-----
<u>774</u>	<u>896</u>	<u>99.9</u>	<u>1.6</u>	-----
<u>896</u>	<u>9081</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

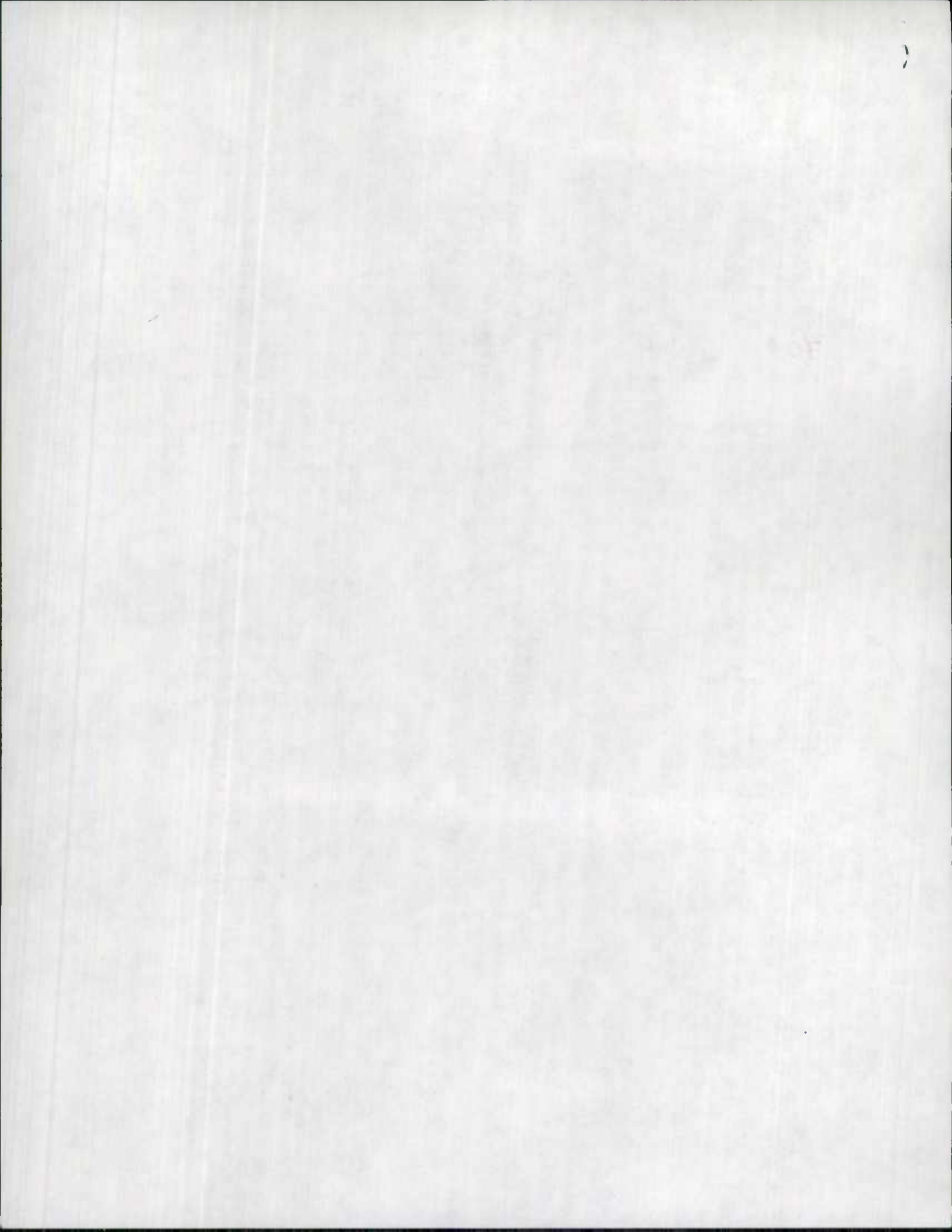
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>1.70</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	<u>1</u>	<u>0.02</u>
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	510	0%	
510	890	+3.2%	
896	2795	-2.9%	
2795	2023	+2.7%	
3023	5679	+5.8%	
5679	7045	-2.1%	
7045	7964	-4.3%	
7964	9081	+3.2%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.10</u>
b.	0.5-2.4	<u>2</u>	<u>0.62</u>
c.	2.5-4.4	<u>4</u>	<u>0.50</u>
d.	4.5-6.4	<u>1</u>	<u>0.50</u>
e.	6.5-8.4	---	---
f.	8.5-	---	---



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

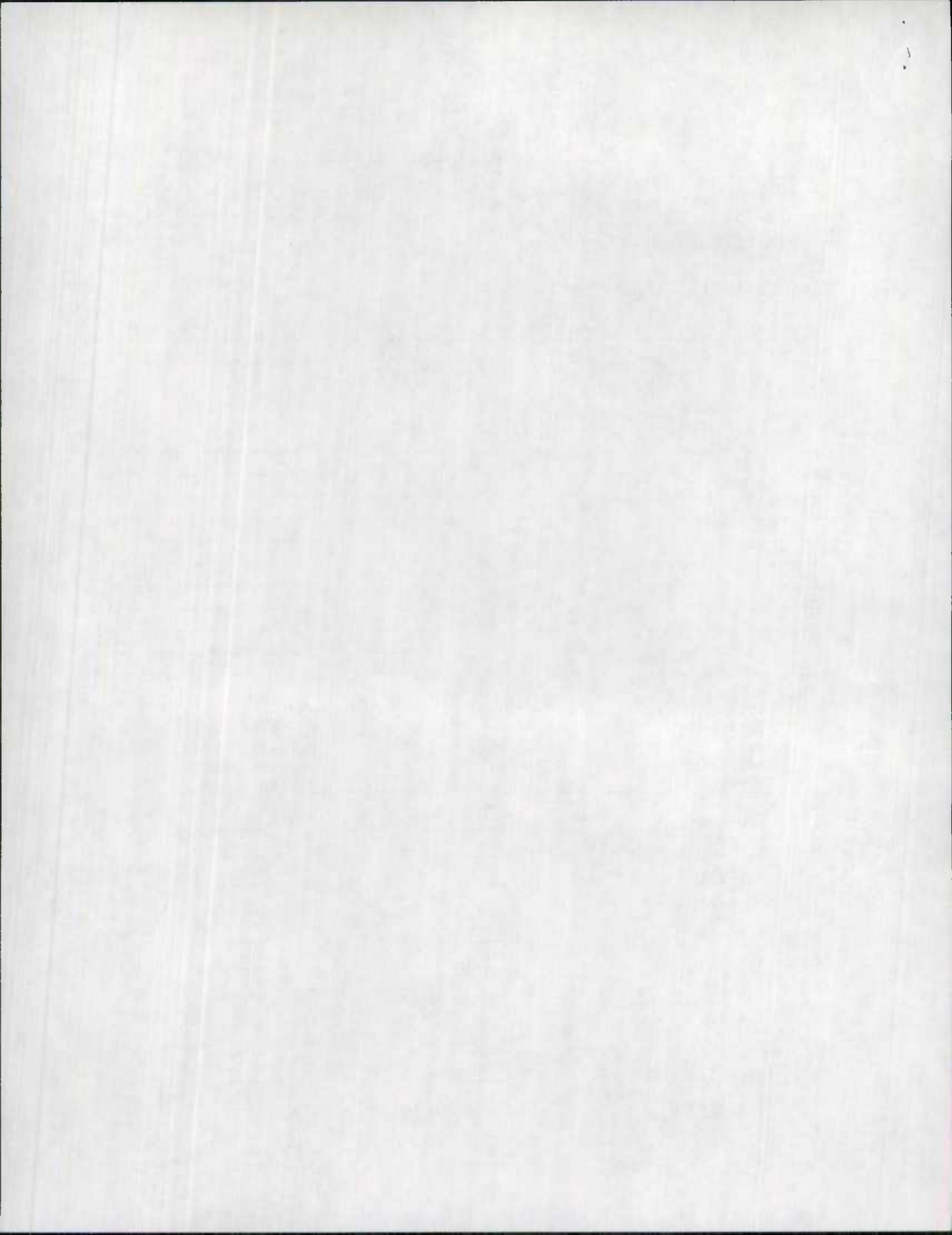
Route No: MU 1370 999
 Sample No: 2A
 County: Baltimore City 24

Starting Mile Pt: 2.57
 Ending Mile Pt: 2.69
(0.12)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ordi. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>634</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

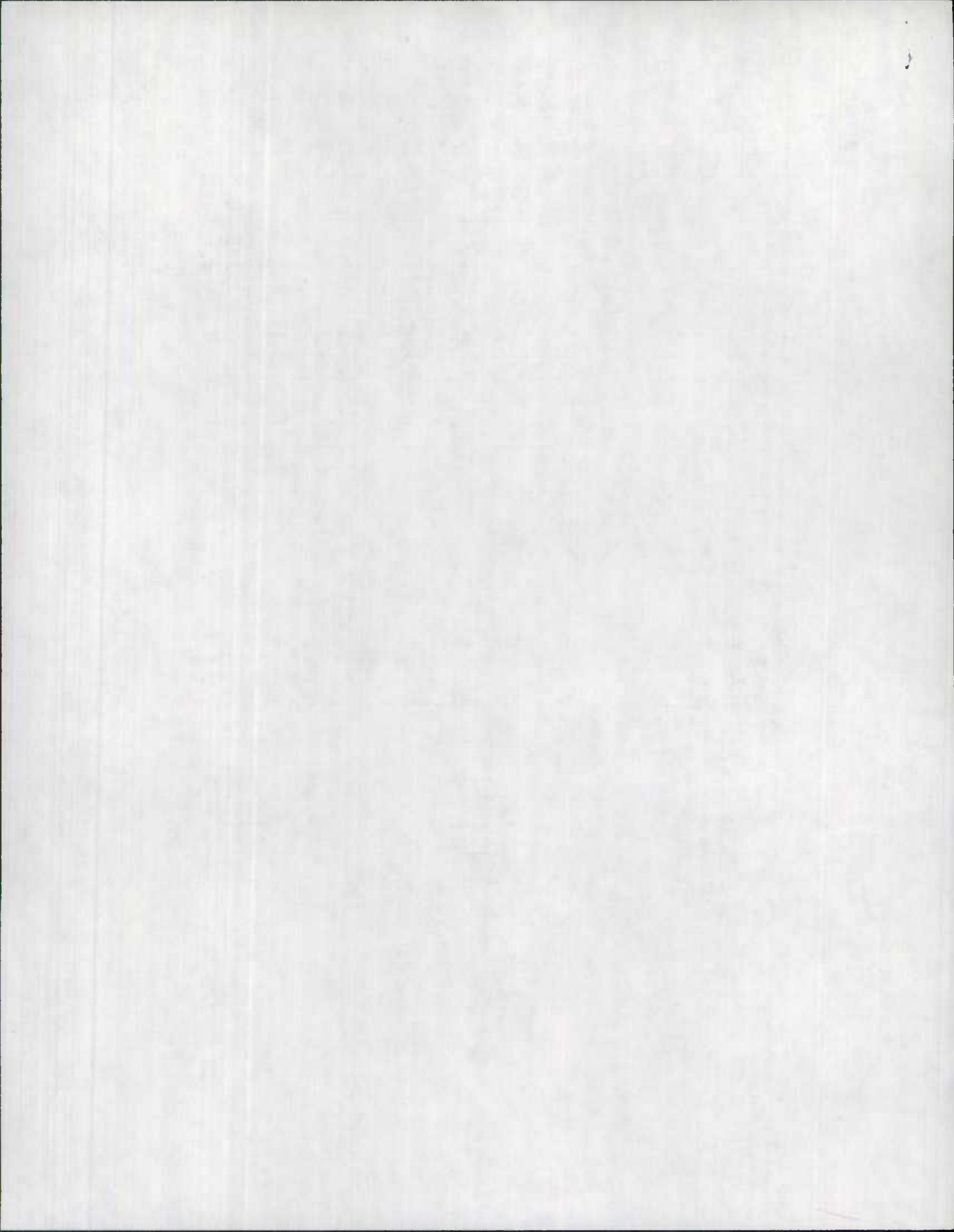
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.12</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	634	0%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.12</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

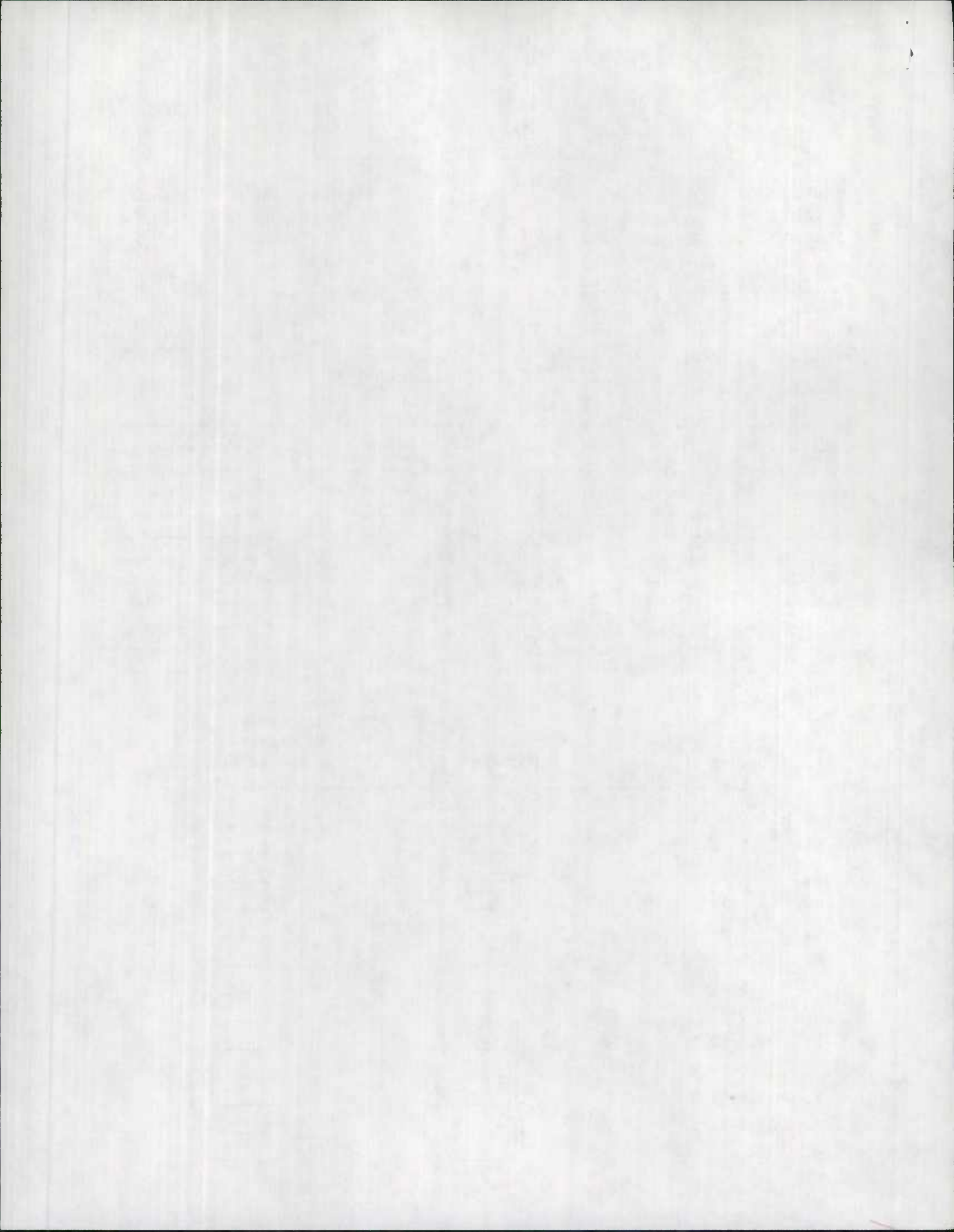
Route No: MU 1370 999
 Sample No: 25
 County: Baltimore city (24)

Starting Mile Pt: 2.69
 Ending Mile Pt: 2.92
(0.23)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>124</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

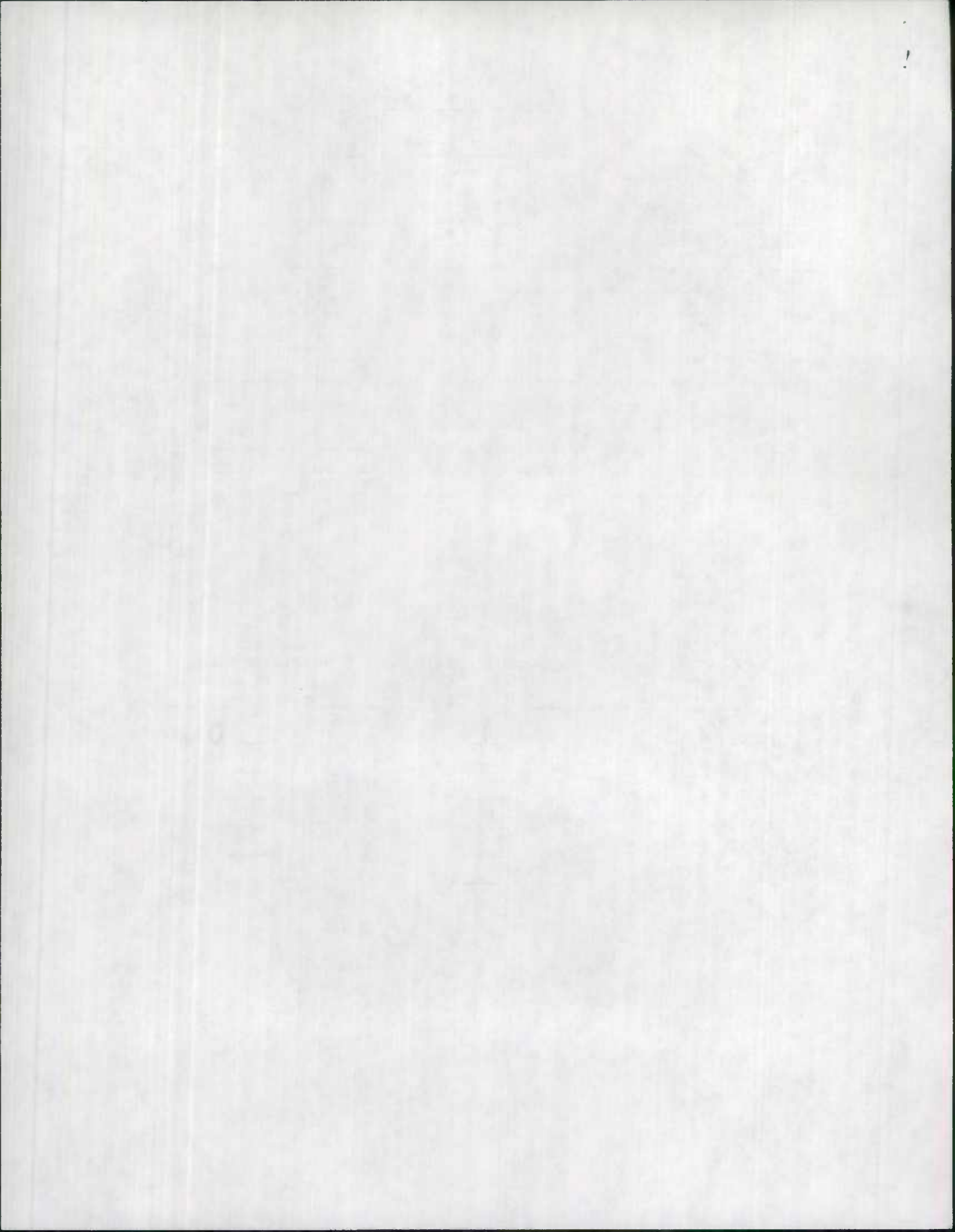
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.23</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	1050	0%	
1050	1214	-2.5%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	1	0.20
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4	1	0.03
e.	6.5-8.4		
f.	8.5-		



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MU 1380 999
 Sample No: 26
 County: (Baltimore City) 24

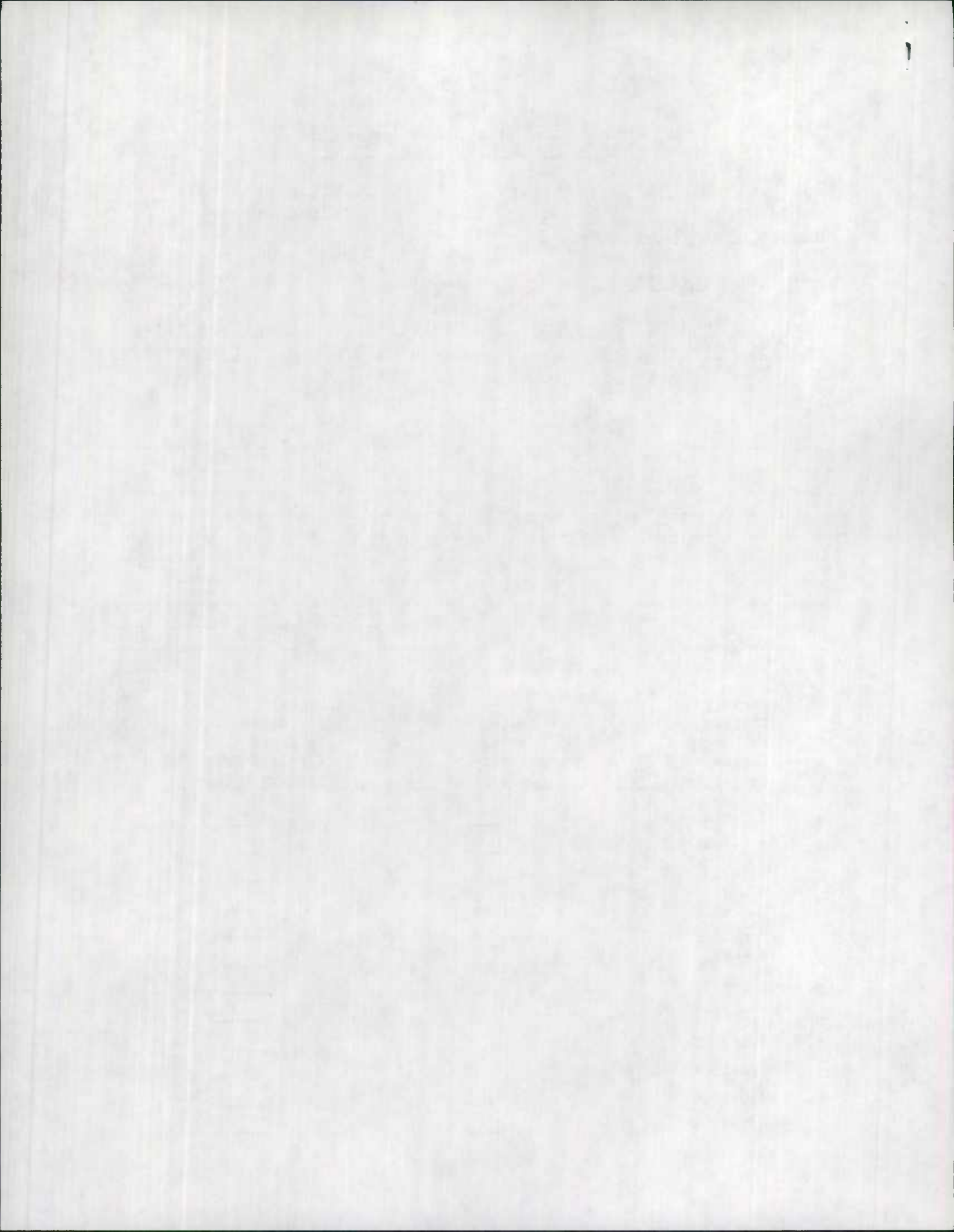
Starting Mile Pt: 0.00
 Ending Mile Pt: 0.19

Horizontal Curve Section

The sample not existing any more (0.19)

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

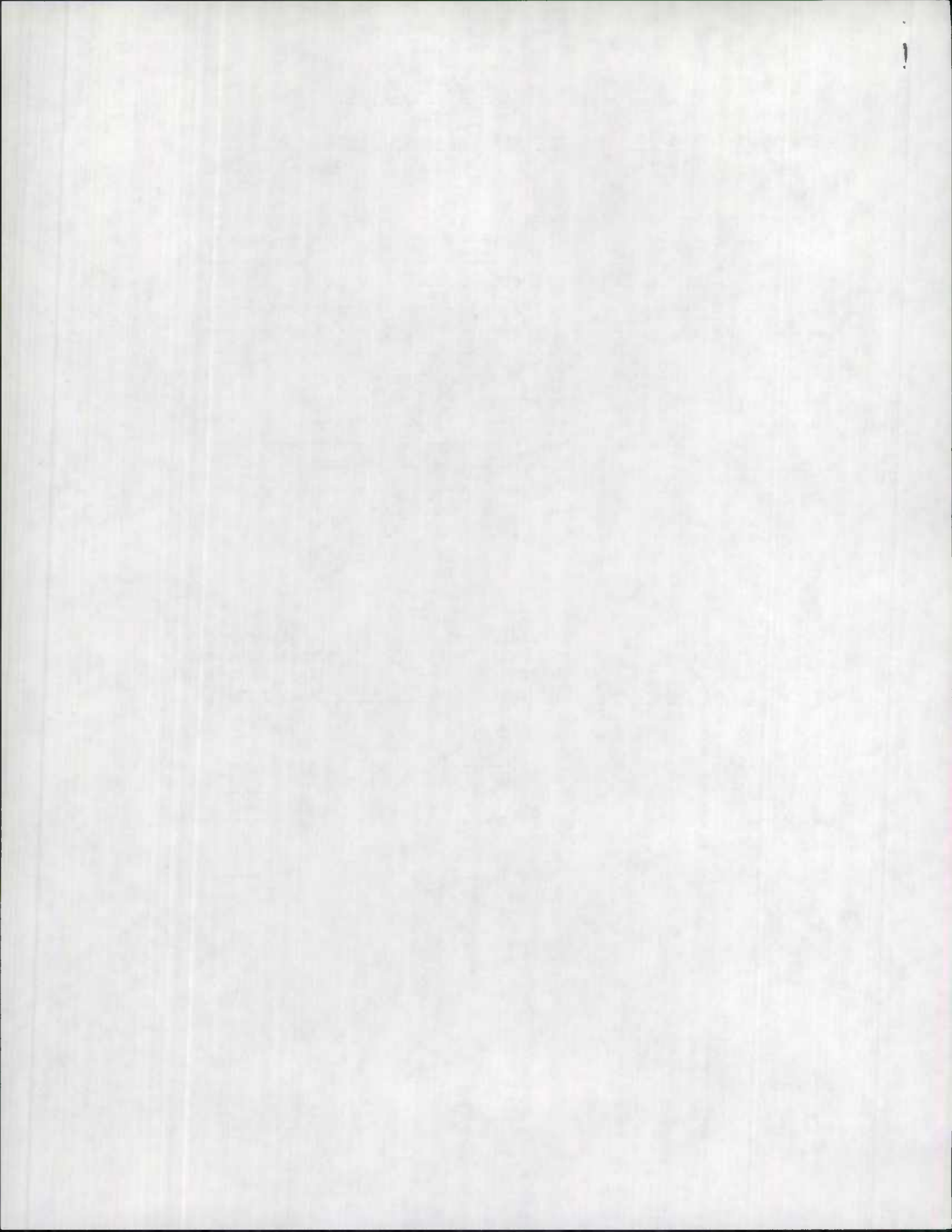
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	_____	_____
b.	0.5-1.4	_____	_____
c.	1.5-2.4	_____	_____
d.	2.5-3.4	_____	_____
e.	3.5-4.4	_____	_____
f.	4.5-5.4	_____	_____
g.	5.5-6.9	_____	_____
h.	7.0-8.4	_____	_____
i.	8.5-10.9	_____	_____
j.	11.0-13.9	_____	_____
k.	14.0-19.4	_____	_____
l.	19.5-27.9	_____	_____
m.	23+	_____	_____



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	_____	_____
b.	0.5-2.4	_____	_____
c.	2.5-4.4	_____	_____
d.	4.5-6.4	_____	_____
e.	6.5-8.4	_____	_____
f.	8.5-	_____	_____



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

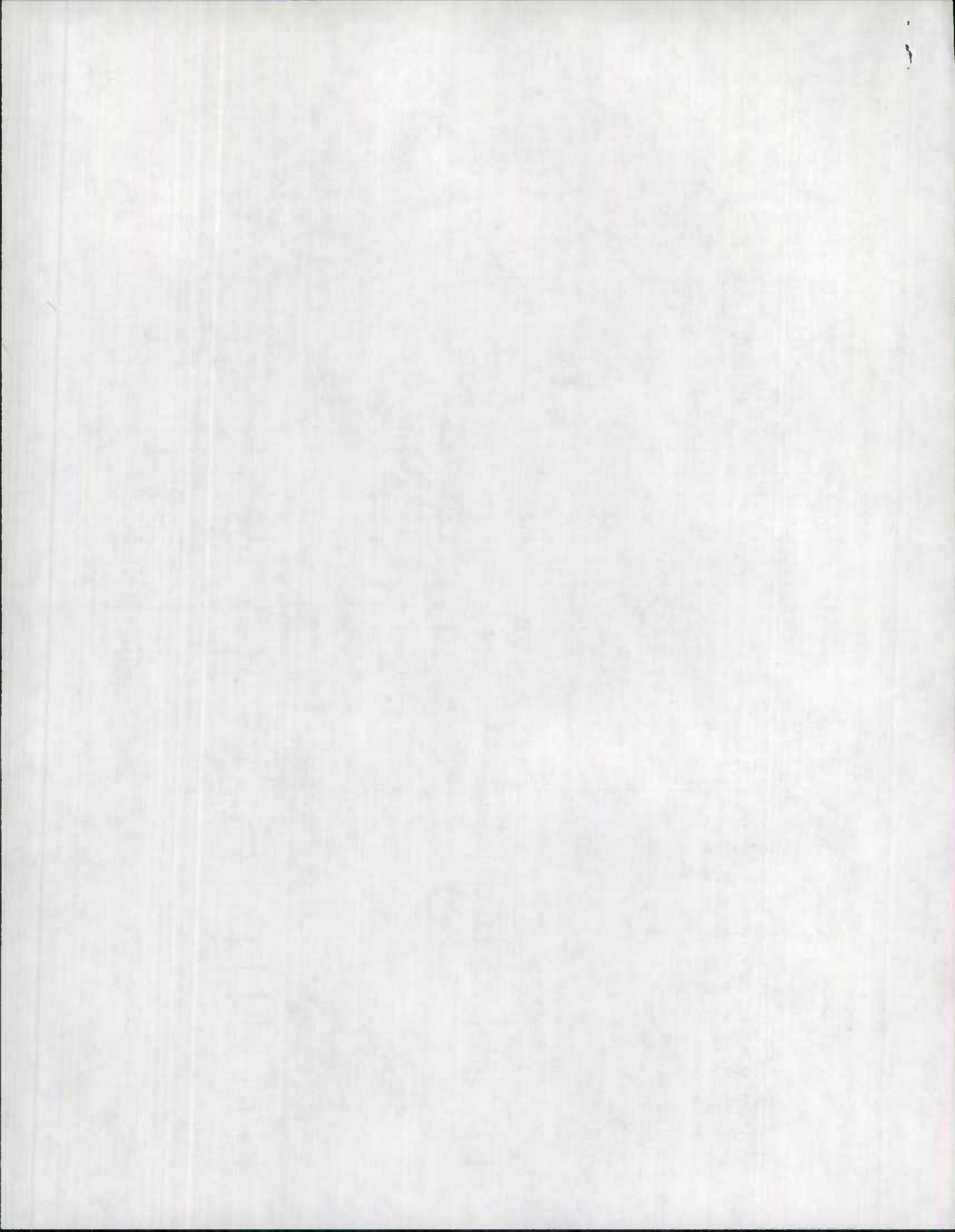
Route No: MU 1440 999
 Sample No: 28
 County: (Baltimore City) 24

Starting Mile Pt: 1.69
 Ending Mile Pt: 2.09
(0.40)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2112</u>	<u>100</u>	<u>0</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>

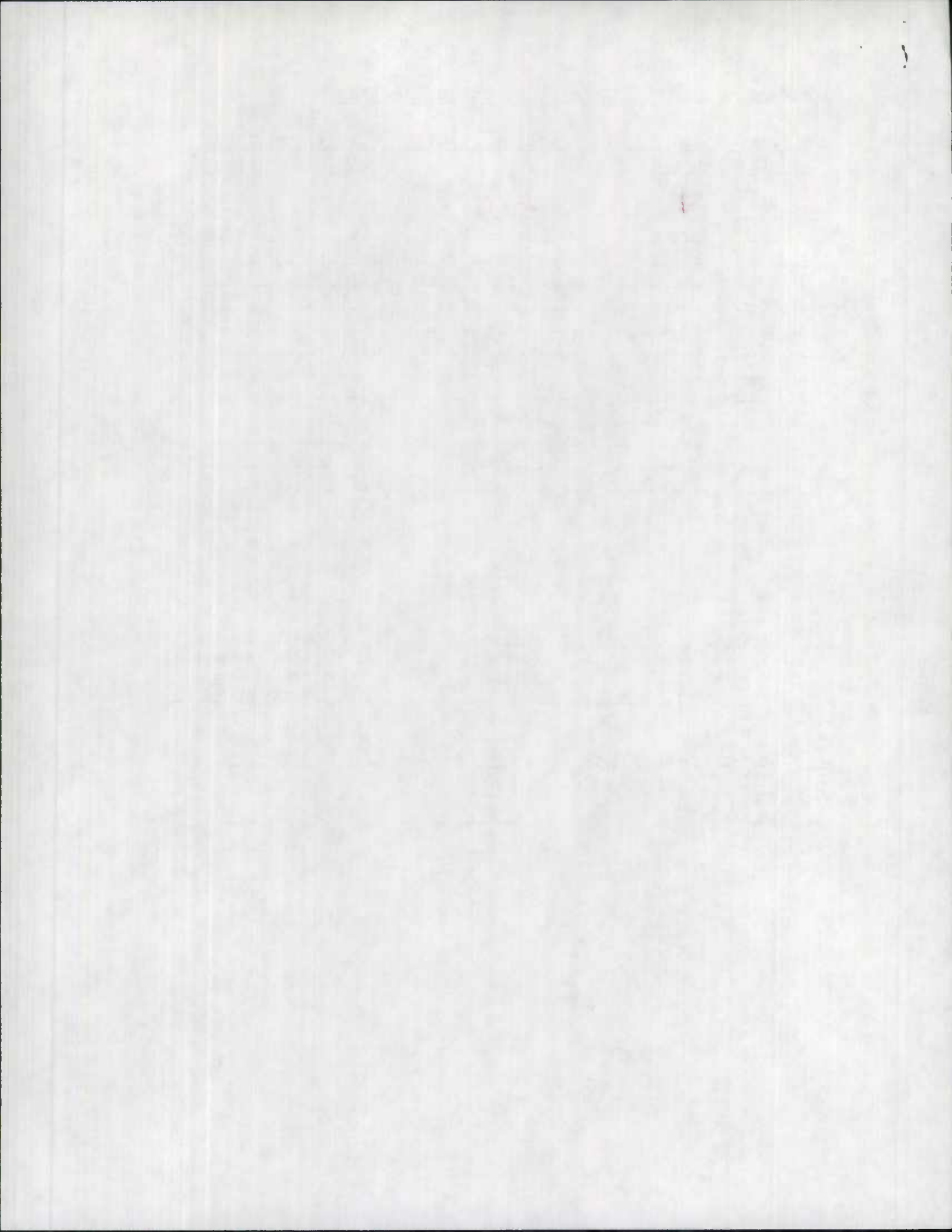
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.40</u>
b.	0.5-1.4	<u>-----</u>	<u>-----</u>
c.	1.5-2.4	<u>-----</u>	<u>-----</u>
d.	2.5-3.4	<u>-----</u>	<u>-----</u>
e.	3.5-4.4	<u>-----</u>	<u>-----</u>
f.	4.5-5.4	<u>-----</u>	<u>-----</u>
g.	5.5-6.9	<u>-----</u>	<u>-----</u>
h.	7.0-8.4	<u>-----</u>	<u>-----</u>
i.	8.5-10.9	<u>-----</u>	<u>-----</u>
j.	11.0-13.9	<u>-----</u>	<u>-----</u>
k.	14.0-19.4	<u>-----</u>	<u>-----</u>
l.	19.5-27.9	<u>-----</u>	<u>-----</u>
m.	23+	<u>-----</u>	<u>-----</u>



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	21 2112	+3.9%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade</u> <u>Classes</u> <u>by</u> <u>Gradient</u> <u>(Percent)</u>	<u>Number of</u> <u>Grades</u> <u>(Right-</u> <u>Justified)</u>	<u>Length of</u> <u>Grades in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	---	---
b.	0.5-2.4	---	---
c.	2.5-4.4	1	0.40
d.	4.5-6.4	---	---
e.	6.5-8.4	---	---
f.	8.5-	---	---



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MU 1510 999
 Sample No: 29
 County: Baltimore

Starting Mile Pt: 1.60
 Ending Mile Pt: 2.16

(0.56)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2905</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.56</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----

Vertical Curve Section

<u>Station</u>	<u>Grade (%)</u>	<u>Height of Curve</u>	<u>Grade (%)</u>
10+00	2.0	1.0	2.0
10+20	2.0	1.0	2.0
10+40	2.0	1.0	2.0
10+60	2.0	1.0	2.0
10+80	2.0	1.0	2.0
11+00	2.0	1.0	2.0
11+20	2.0	1.0	2.0
11+40	2.0	1.0	2.0
11+60	2.0	1.0	2.0
11+80	2.0	1.0	2.0
12+00	2.0	1.0	2.0
12+20	2.0	1.0	2.0
12+40	2.0	1.0	2.0
12+60	2.0	1.0	2.0
12+80	2.0	1.0	2.0
13+00	2.0	1.0	2.0
13+20	2.0	1.0	2.0
13+40	2.0	1.0	2.0
13+60	2.0	1.0	2.0
13+80	2.0	1.0	2.0
14+00	2.0	1.0	2.0
14+20	2.0	1.0	2.0
14+40	2.0	1.0	2.0
14+60	2.0	1.0	2.0
14+80	2.0	1.0	2.0
15+00	2.0	1.0	2.0
15+20	2.0	1.0	2.0
15+40	2.0	1.0	2.0
15+60	2.0	1.0	2.0
15+80	2.0	1.0	2.0
16+00	2.0	1.0	2.0
16+20	2.0	1.0	2.0
16+40	2.0	1.0	2.0
16+60	2.0	1.0	2.0
16+80	2.0	1.0	2.0
17+00	2.0	1.0	2.0
17+20	2.0	1.0	2.0
17+40	2.0	1.0	2.0
17+60	2.0	1.0	2.0
17+80	2.0	1.0	2.0
18+00	2.0	1.0	2.0
18+20	2.0	1.0	2.0
18+40	2.0	1.0	2.0
18+60	2.0	1.0	2.0
18+80	2.0	1.0	2.0
19+00	2.0	1.0	2.0
19+20	2.0	1.0	2.0
19+40	2.0	1.0	2.0
19+60	2.0	1.0	2.0
19+80	2.0	1.0	2.0
20+00	2.0	1.0	2.0
20+20	2.0	1.0	2.0
20+40	2.0	1.0	2.0
20+60	2.0	1.0	2.0
20+80	2.0	1.0	2.0
21+00	2.0	1.0	2.0
21+20	2.0	1.0	2.0
21+40	2.0	1.0	2.0
21+60	2.0	1.0	2.0
21+80	2.0	1.0	2.0
22+00	2.0	1.0	2.0
22+20	2.0	1.0	2.0
22+40	2.0	1.0	2.0
22+60	2.0	1.0	2.0
22+80	2.0	1.0	2.0
23+00	2.0	1.0	2.0
23+20	2.0	1.0	2.0
23+40	2.0	1.0	2.0
23+60	2.0	1.0	2.0
23+80	2.0	1.0	2.0
24+00	2.0	1.0	2.0
24+20	2.0	1.0	2.0
24+40	2.0	1.0	2.0
24+60	2.0	1.0	2.0
24+80	2.0	1.0	2.0
25+00	2.0	1.0	2.0
25+20	2.0	1.0	2.0
25+40	2.0	1.0	2.0
25+60	2.0	1.0	2.0
25+80	2.0	1.0	2.0
26+00	2.0	1.0	2.0
26+20	2.0	1.0	2.0
26+40	2.0	1.0	2.0
26+60	2.0	1.0	2.0
26+80	2.0	1.0	2.0
27+00	2.0	1.0	2.0
27+20	2.0	1.0	2.0
27+40	2.0	1.0	2.0
27+60	2.0	1.0	2.0
27+80	2.0	1.0	2.0
28+00	2.0	1.0	2.0
28+20	2.0	1.0	2.0
28+40	2.0	1.0	2.0
28+60	2.0	1.0	2.0
28+80	2.0	1.0	2.0
29+00	2.0	1.0	2.0
29+20	2.0	1.0	2.0
29+40	2.0	1.0	2.0
29+60	2.0	1.0	2.0
29+80	2.0	1.0	2.0
30+00	2.0	1.0	2.0

<u>Grade</u>	<u>Classes</u>	<u>by</u>	<u>Number of</u>	<u>Length of</u>
<u>(Percent)</u>	<u>of</u>	<u>Grade</u>	<u>Grades</u>	<u>Grade in Class</u>
<u>(Feet)</u>	<u>Grade</u>	<u>(Right- Justified)</u>	<u>(Left- Justified)</u>	<u>(Feet)</u>
0.0-0.4	1	1	1	100
0.5-0.9	1	1	1	100
1.0-1.4	1	1	1	100
1.5-1.9	1	1	1	100
2.0-2.4	1	1	1	100
2.5-2.9	1	1	1	100
3.0-3.4	1	1	1	100
3.5-3.9	1	1	1	100
4.0-4.4	1	1	1	100
4.5-4.9	1	1	1	100
5.0-5.4	1	1	1	100
5.5-5.9	1	1	1	100
6.0-6.4	1	1	1	100
6.5-6.9	1	1	1	100
7.0-7.4	1	1	1	100
7.5-7.9	1	1	1	100
8.0-8.4	1	1	1	100
8.5-8.9	1	1	1	100
9.0-9.4	1	1	1	100
9.5-9.9	1	1	1	100
10.0-10.4	1	1	1	100
10.5-10.9	1	1	1	100
11.0-11.4	1	1	1	100
11.5-11.9	1	1	1	100
12.0-12.4	1	1	1	100
12.5-12.9	1	1	1	100
13.0-13.4	1	1	1	100
13.5-13.9	1	1	1	100
14.0-14.4	1	1	1	100
14.5-14.9	1	1	1	100
15.0-15.4	1	1	1	100
15.5-15.9	1	1	1	100
16.0-16.4	1	1	1	100
16.5-16.9	1	1	1	100
17.0-17.4	1	1	1	100
17.5-17.9	1	1	1	100
18.0-18.4	1	1	1	100
18.5-18.9	1	1	1	100
19.0-19.4	1	1	1	100
19.5-19.9	1	1	1	100
20.0-20.4	1	1	1	100
20.5-20.9	1	1	1	100
21.0-21.4	1	1	1	100
21.5-21.9	1	1	1	100
22.0-22.4	1	1	1	100
22.5-22.9	1	1	1	100
23.0-23.4	1	1	1	100
23.5-23.9	1	1	1	100
24.0-24.4	1	1	1	100
24.5-24.9	1	1	1	100
25.0-25.4	1	1	1	100
25.5-25.9	1	1	1	100
26.0-26.4	1	1	1	100
26.5-26.9	1	1	1	100
27.0-27.4	1	1	1	100
27.5-27.9	1	1	1	100
28.0-28.4	1	1	1	100
28.5-28.9	1	1	1	100
29.0-29.4	1	1	1	100
29.5-29.9	1	1	1	100
30.0-30.4	1	1	1	100
30.5-30.9	1	1	1	100
31.0-31.4	1	1	1	100
31.5-31.9	1	1	1	100
32.0-32.4	1	1	1	100
32.5-32.9	1	1	1	100
33.0-33.4	1	1	1	100
33.5-33.9	1	1	1	100
34.0-34.4	1	1	1	100
34.5-34.9	1	1	1	100
35.0-35.4	1	1	1	100
35.5-35.9	1	1	1	100
36.0-36.4	1	1	1	100
36.5-36.9	1	1	1	100
37.0-37.4	1	1	1	100
37.5-37.9	1	1	1	100
38.0-38.4	1	1	1	100
38.5-38.9	1	1	1	100
39.0-39.4	1	1	1	100
39.5-39.9	1	1	1	100
40.0-40.4	1	1	1	100
40.5-40.9	1	1	1	100
41.0-41.4	1	1	1	100
41.5-41.9	1	1	1	100
42.0-42.4	1	1	1	100
42.5-42.9	1	1	1	100
43.0-43.4	1	1	1	100
43.5-43.9	1	1	1	100
44.0-44.4	1	1	1	100
44.5-44.9	1	1	1	100
45.0-45.4	1	1	1	100
45.5-45.9	1	1	1	100
46.0-46.4	1	1	1	100
46.5-46.9	1	1	1	100
47.0-47.4	1	1	1	100
47.5-47.9	1	1	1	100
48.0-48.4	1	1	1	100
48.5-48.9	1	1	1	100
49.0-49.4	1	1	1	100
49.5-49.9	1	1	1	100
50.0-50.4	1	1	1	100
50.5-50.9	1	1	1	100
51.0-51.4	1	1	1	100
51.5-51.9	1	1	1	100
52.0-52.4	1	1	1	100
52.5-52.9	1	1	1	100
53.0-53.4	1	1	1	100
53.5-53.9	1	1	1	100
54.0-54.4	1	1	1	100
54.5-54.9	1	1	1	100
55.0-55.4	1	1	1	100
55.5-55.9	1	1	1	100
56.0-56.4	1	1	1	100
56.5-56.9	1	1	1	100
57.0-57.4	1	1	1	100
57.5-57.9	1	1	1	100
58.0-58.4	1	1	1	100
58.5-58.9	1	1	1	100
59.0-59.4	1	1	1	100
59.5-59.9	1	1	1	100
60.0-60.4	1	1	1	100
60.5-60.9	1	1	1	100
61.0-61.4	1	1	1	100
61.5-61.9	1	1	1	100
62.0-62.4	1	1	1	100
62.5-62.9	1	1	1	100
63.0-63.4	1	1	1	100
63.5-63.9	1	1	1	100
64.0-64.4	1	1	1	100
64.5-64.9	1	1	1	100
65.0-65.4	1	1	1	100
65.5-65.9	1	1	1	100
66.0-66.4	1	1	1	100
66.5-66.9	1	1	1	100
67.0-67.4	1	1	1	100
67.5-67.9	1	1	1	100
68.0-68.4	1	1	1	100
68.5-68.9	1	1	1	100
69.0-69.4	1	1	1	100
69.5-69.9	1	1	1	100
70.0-70.4	1	1	1	100
70.5-70.9	1	1	1	100
71.0-71.4	1	1	1	100
71.5-71.9	1	1		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

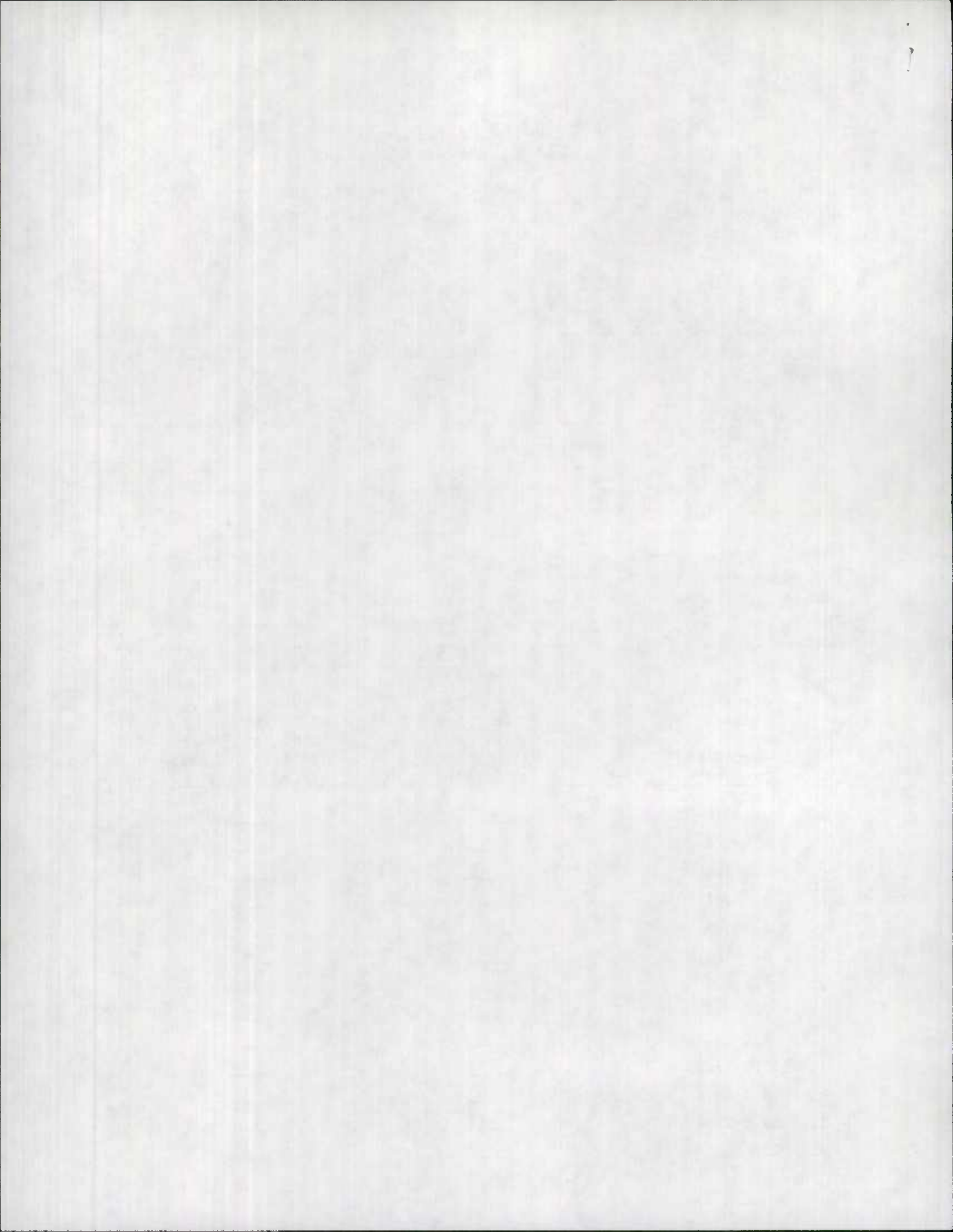
Route No: MD 1780 999
 Sample No: 30
 County: Baltimore city

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.41
(0.41)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2163</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

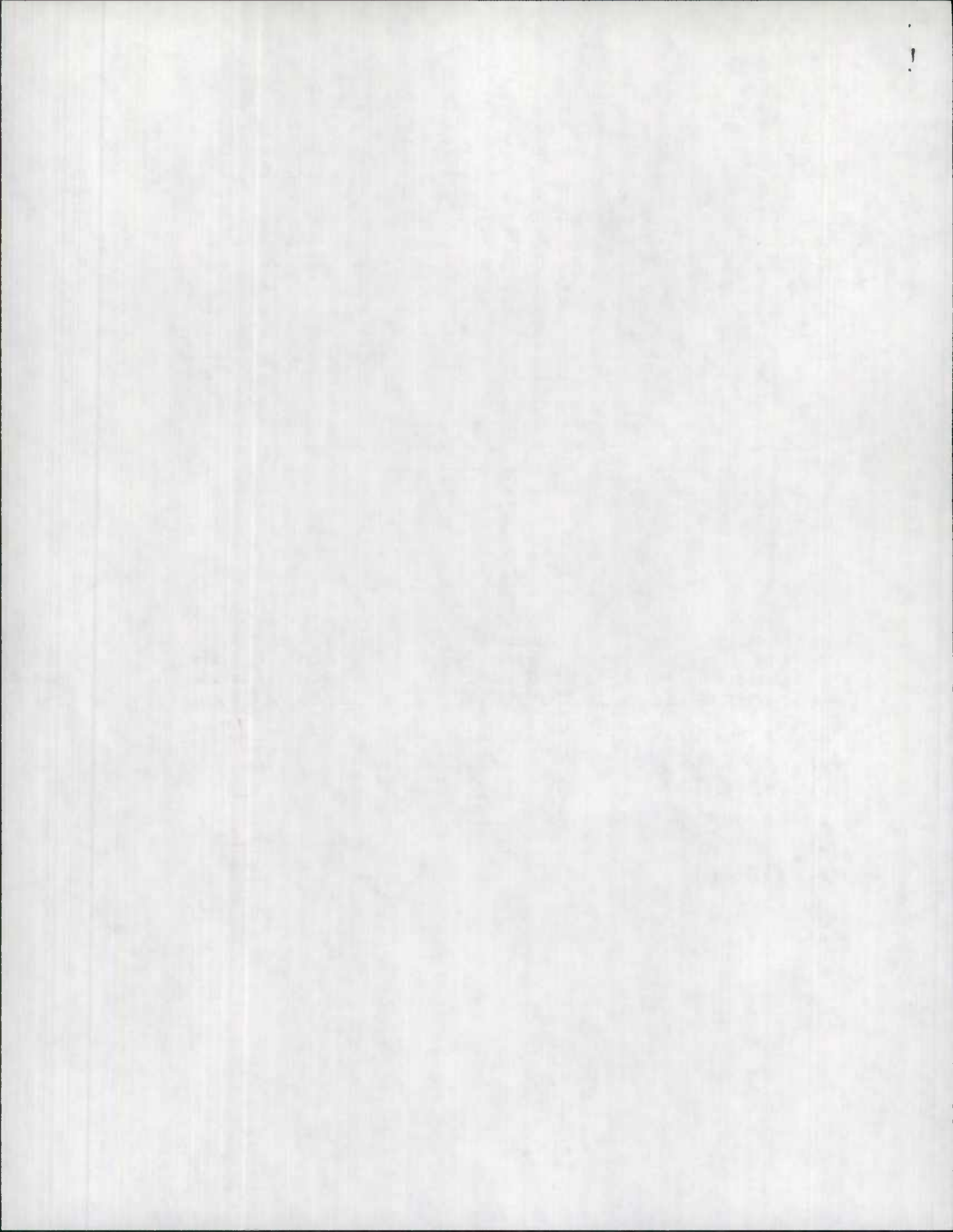
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.41</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	615	0%	
615	1646	+2.9%	
1646	2163	-6.5%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.10</u>
b.	0.5-2.4	<u>1</u>	<u>0.20</u>
c.	2.5-4.4	---	---
d.	4.5-6.4	---	---
e.	6.5-8.4	<u>1</u>	0.10 0.09
f.	8.5-	---	---



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MU 1790 999
 Sample No: 31
 County: Baltimore City

Starting Mile Pt: 0.41
 Ending Mile Pt: 0.62
(0.21)

Horizontal Curve Section



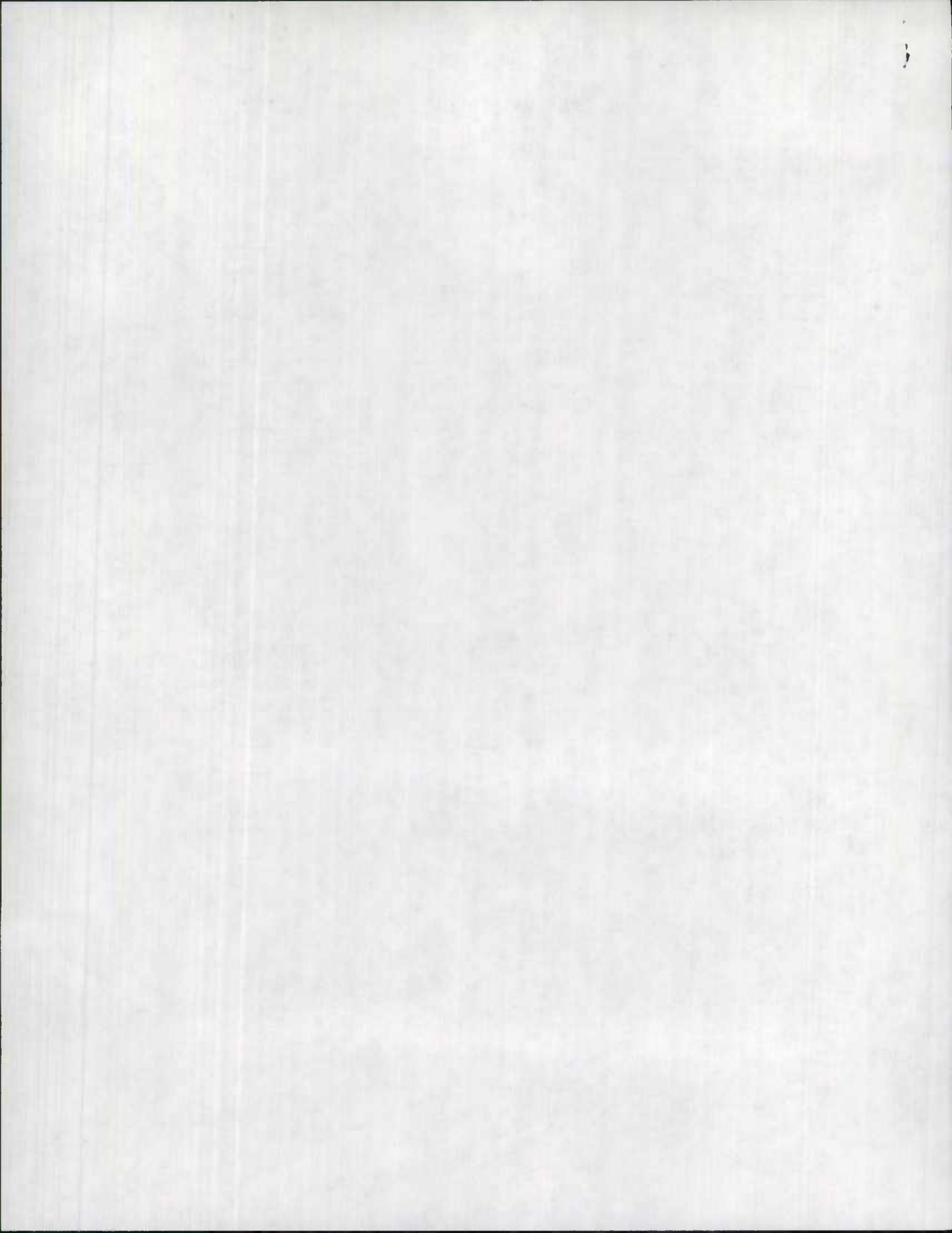
<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>712</u>	<u>100</u>	<u>2</u>	
<u>712</u>	<u>1108</u>	<u>99.7</u>	<u>3.3</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.13</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	<u>1</u>	<u>0.08</u>
l.	19.5-27.9	-----	-----
m.	23+	-----	-----

Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1108	-5.6%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	—	—
b.	0.5-2.4	—	—
c.	2.5-4.4	—	—
d.	4.5-6.4	1	0.21
e.	6.5-8.4	—	—
f.	8.5-	—	—



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

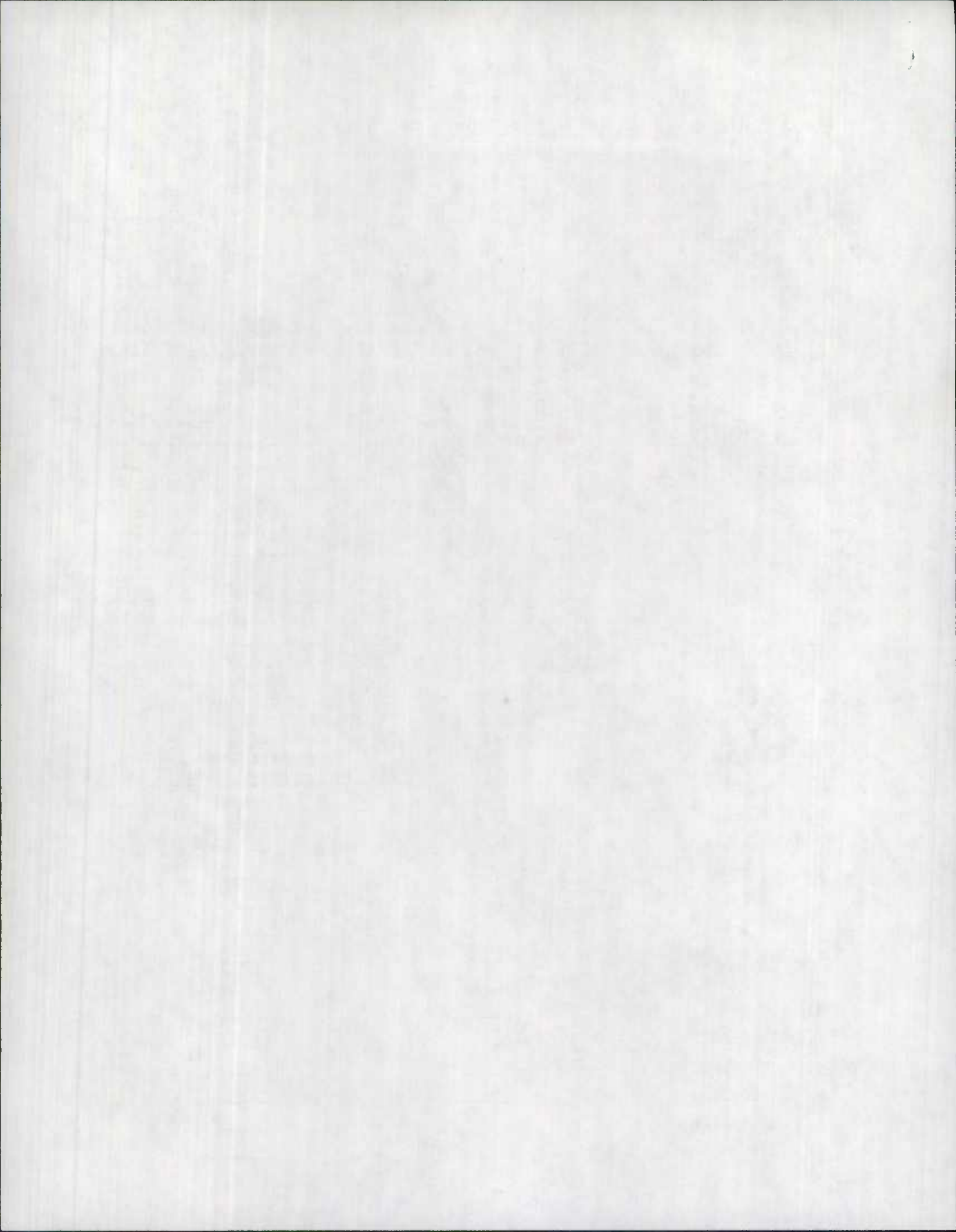
Route No: MV 1910 999
 Sample No: 32
 County: (Baltimore City) 24

Starting Mile Pt: 2.24
 Ending Mile Pt: 2.61
(0.37)

Horizontal Curve Section

	<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
R	<u>0</u>	<u>420</u>	<u>99.8</u>	<u>2.2</u>	-----
	<u>420</u>	<u>800</u>	<u>99.100</u>	<u>0</u>	-----
L	<u>820</u>	<u>1224</u>	<u>99.6</u>	<u>4.0</u>	-----
	<u>1224</u>	<u>1953</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----

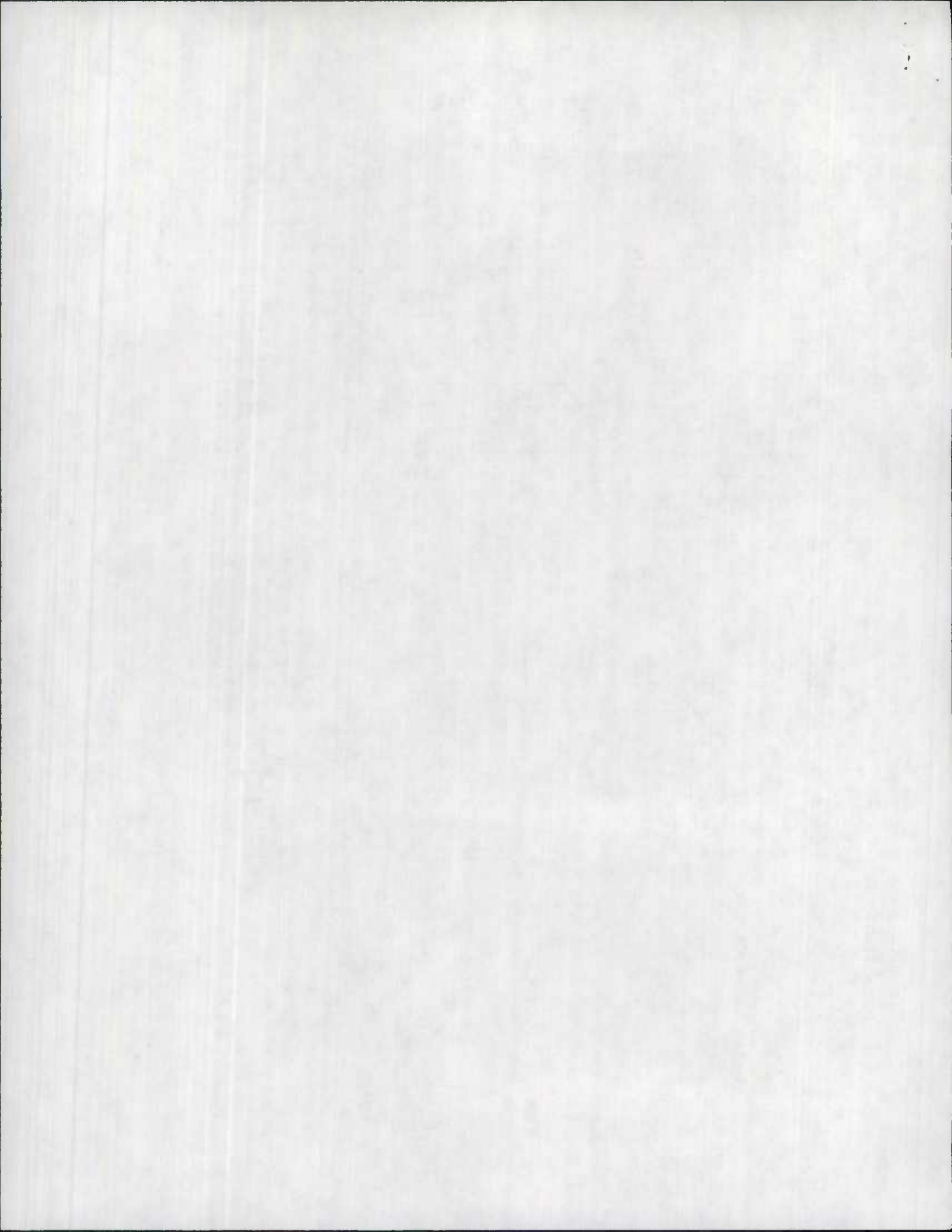
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>0.21</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	<u>1</u>	<u>0.08</u>
j.	11.0-13.9	-----	-----
k.	14.0-19.4	<u>1</u>	<u>0.08</u>
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	828	2%	
828	1408	+4%	
1408	1953	-3.2%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.16</u>
b.	0.5-2.4	<u> </u>	<u> </u>
c.	2.5-4.4	<u>2</u>	<u>0.21</u>
d.	4.5-6.4	<u> </u>	<u> </u>
e.	6.5-8.4	<u> </u>	<u> </u>
f.	8.5-	<u> </u>	<u> </u>



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

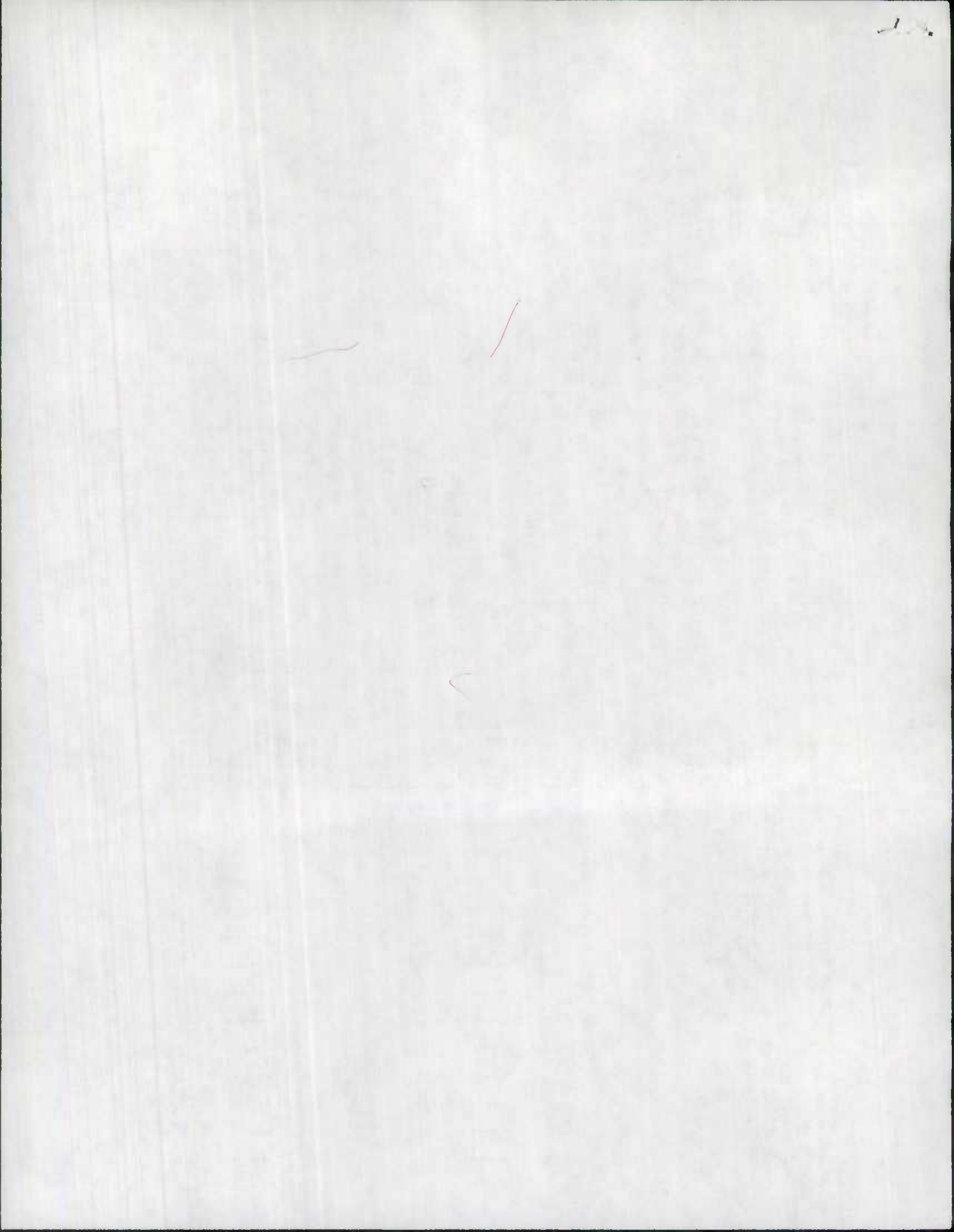
Route No: MD 2100 999 ✓
 Sample No: 33
 County: Baltimore city #24

Starting Mile Pt: 4.28
 Ending Mile Pt: 5.25
 (0.97)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1297</u>	<u>100</u>	<u>0</u>	-----
<u>L 1297</u>	<u>1604</u>	<u>99.8</u>	<u>2.0</u>	-----
<u>1604</u>	<u>3576</u>	<u>100</u>	<u>0</u>	-----
<u>L 3576</u>	<u>3996</u>	<u>99.6</u>	<u>3.7</u>	-----
<u>3996</u>	<u>4724</u>	<u>100</u>	<u>0</u>	-----
<u>4724</u>	<u>4945</u>	<u>99.7</u>	<u>3.0</u>	-----
<u>4945</u>	<u>5123</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

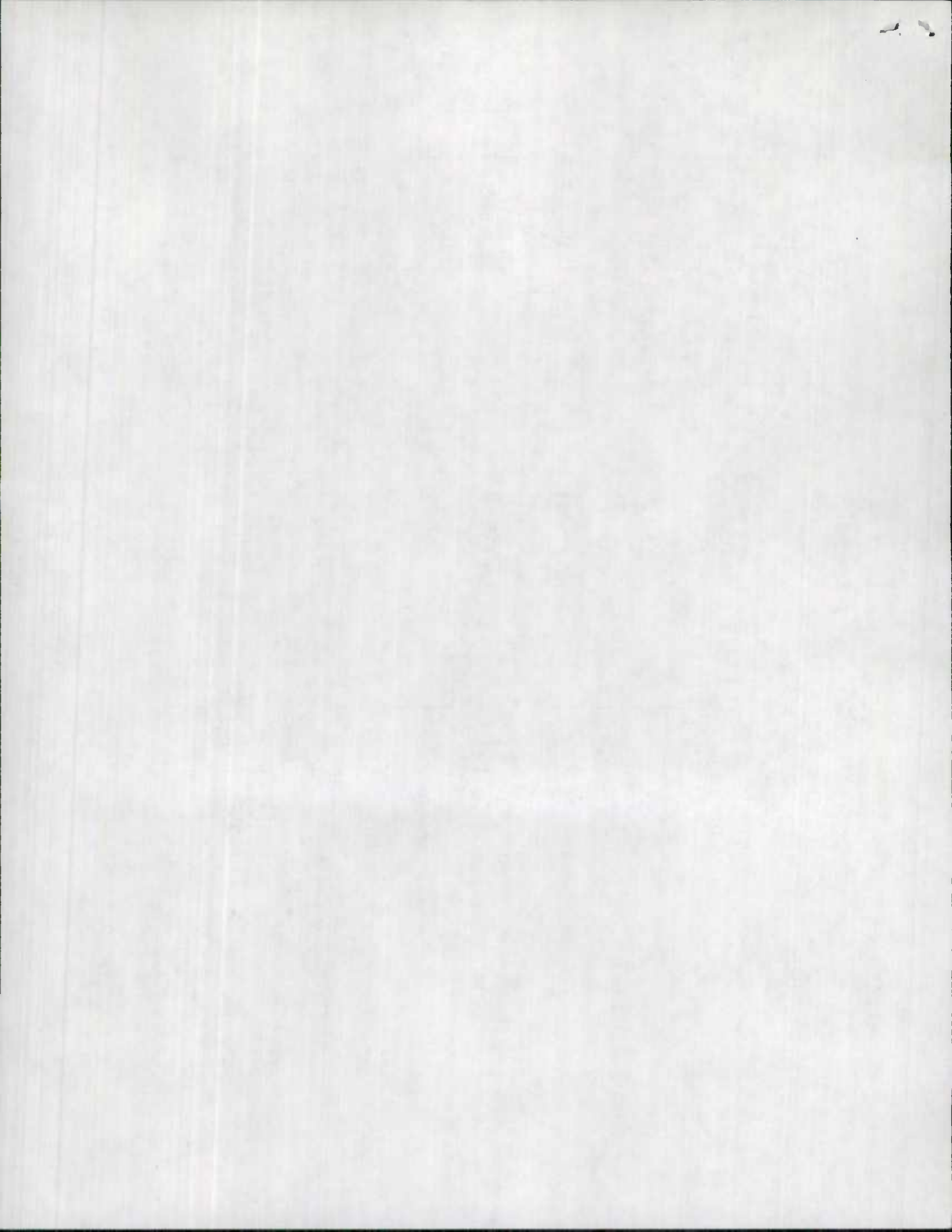
<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a. 0.0-0.4	<u>4</u>	<u>0.81</u>
b. 0.5-1.4	-----	-----
c. 1.5-2.4	-----	-----
d. 2.5-3.4	-----	-----
e. 3.5-4.4	-----	-----
f. 4.5-5.4	-----	-----
g. 5.5-6.9	-----	-----
h. 7.0-8.4	-----	-----
i. 8.5-10.9	<u>1</u>	<u>0.05</u>
j. 11.0-13.9	<u>1</u>	<u>0.04</u>
k. 14.0-19.4	<u>1</u>	<u>0.08</u>
l. 19.5-27.9	-----	-----
m. 23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1397	-4.60%	
1397	2310	+6.70%	
2310	3996	0%	
3996	4945	+2.4%	
4945	5123	0%	

Grade Classes by Gradient (Percent)	Number of Grades (Right- Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a. 0.0-0.4	<u>2</u>	<u>0.35</u>
b. 0.5-2.4	<u>1</u>	<u>0.18</u>
c. 2.5-4.4	<u> </u>	<u> </u>
d. 4.5-6.4	<u>1</u>	<u>0.26</u>
e. 6.5-8.4	<u> </u>	<u>0.18</u>
f. 8.5-	<u> </u>	<u> </u>



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

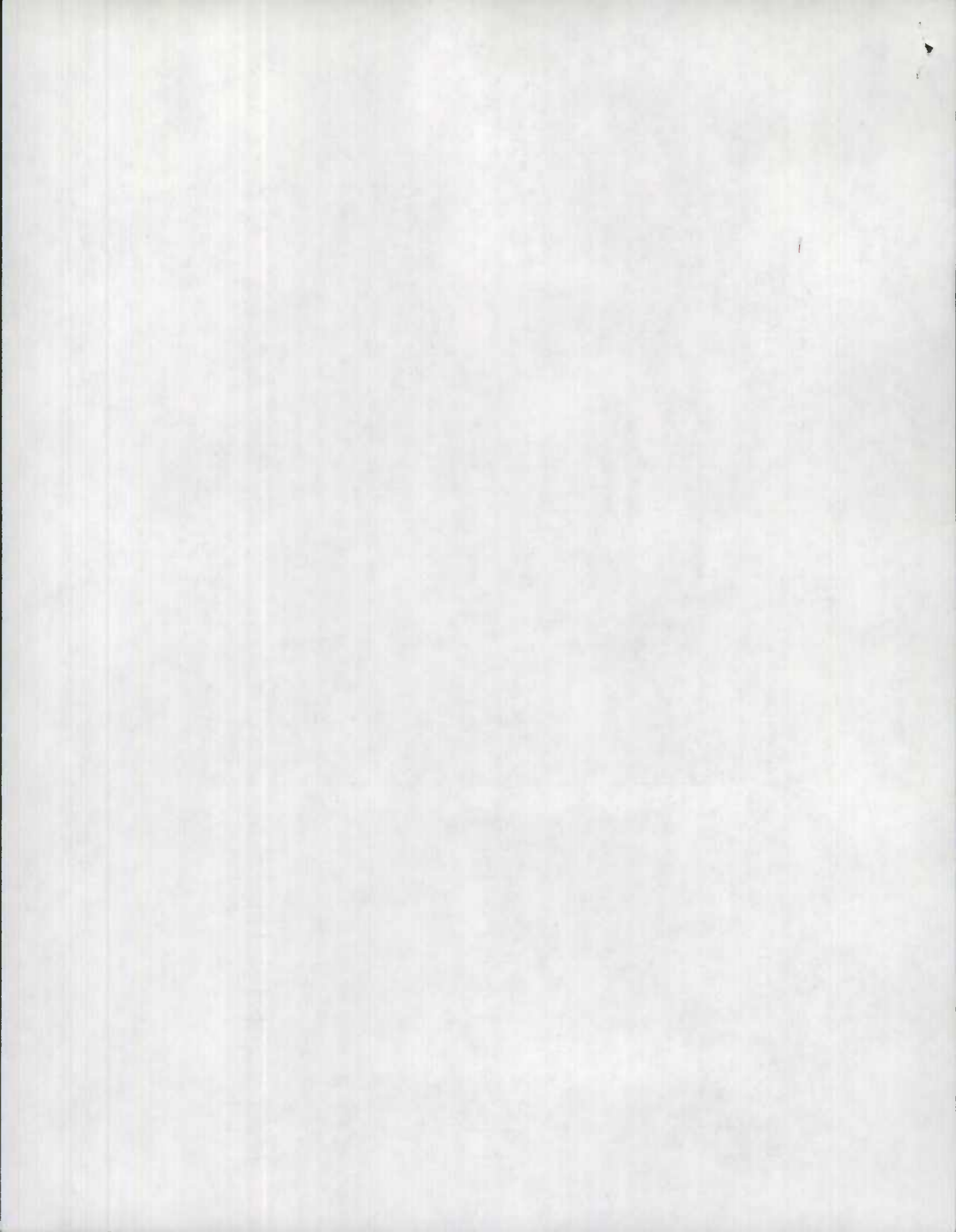
Route No: MD 2120-999
 Sample No: 34
 County: (Baltimore city) 24

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.27
(0.27)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord1. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1423</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

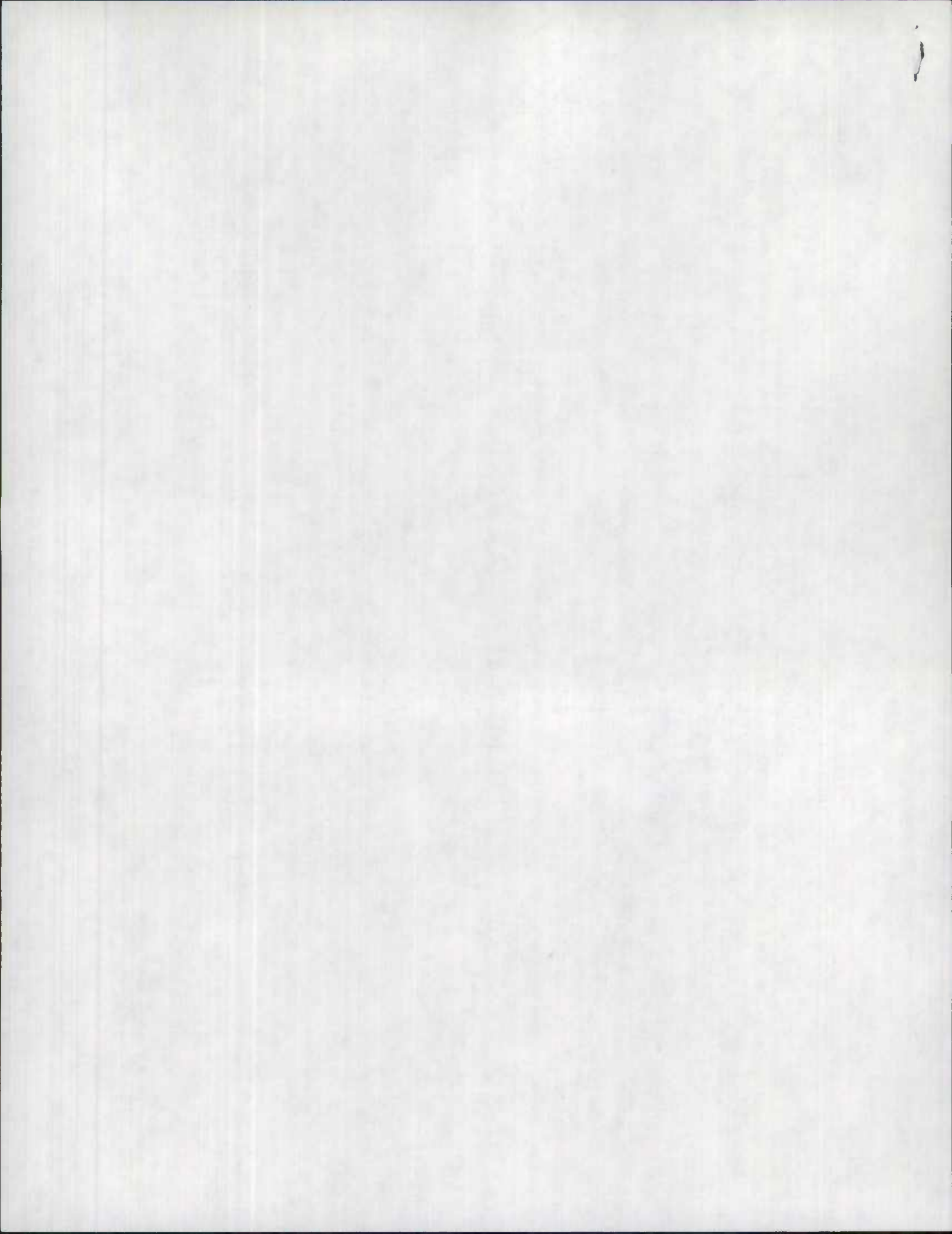
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.27</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	1423	0%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.27</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

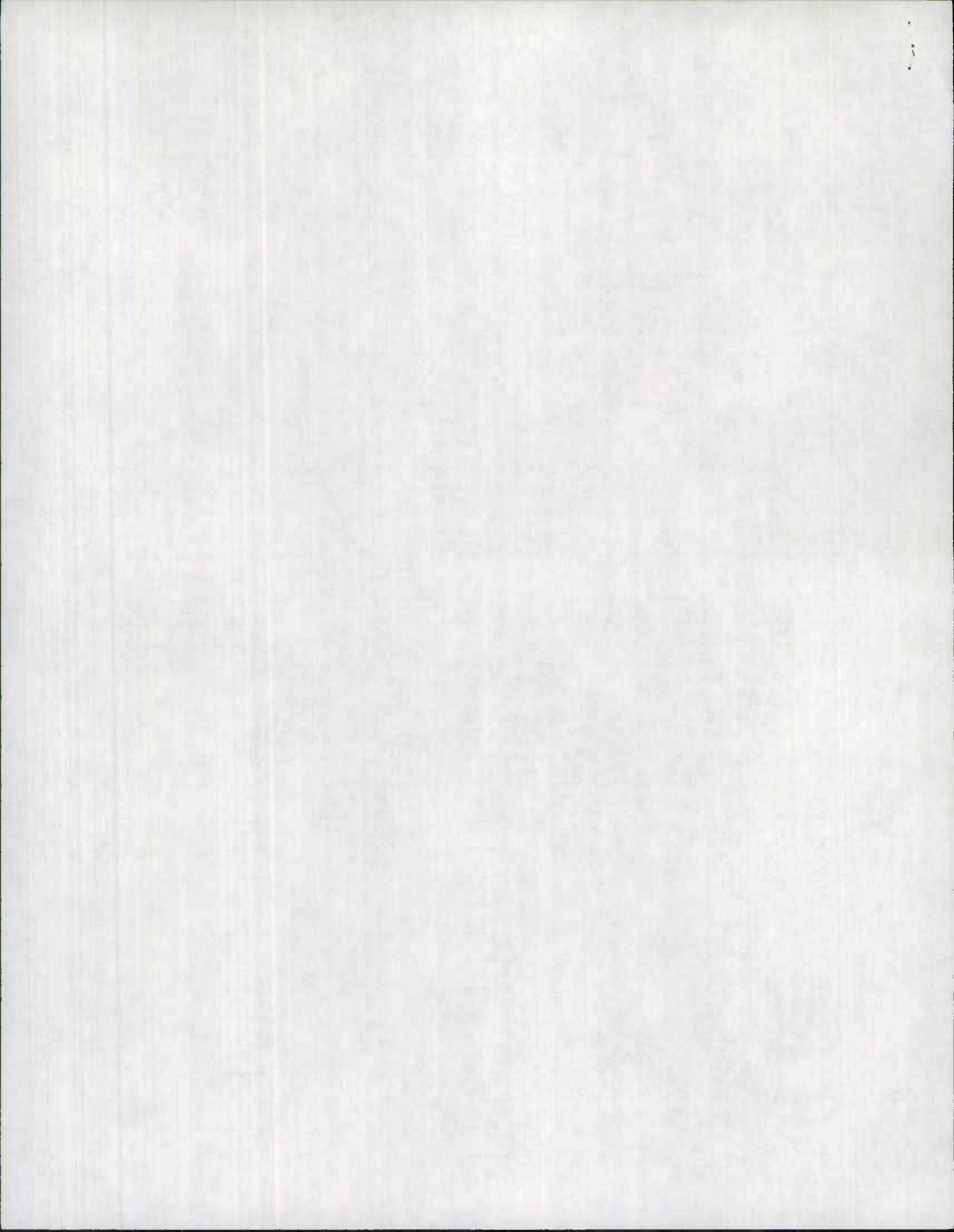
Route No: MU 2240 335
 Sample No: 35
 County: (Baltimore city) 24

Starting Mile Pt: 0.18
 Ending Mile Pt: 0.34
(0.16)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>845</u> <u>845</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

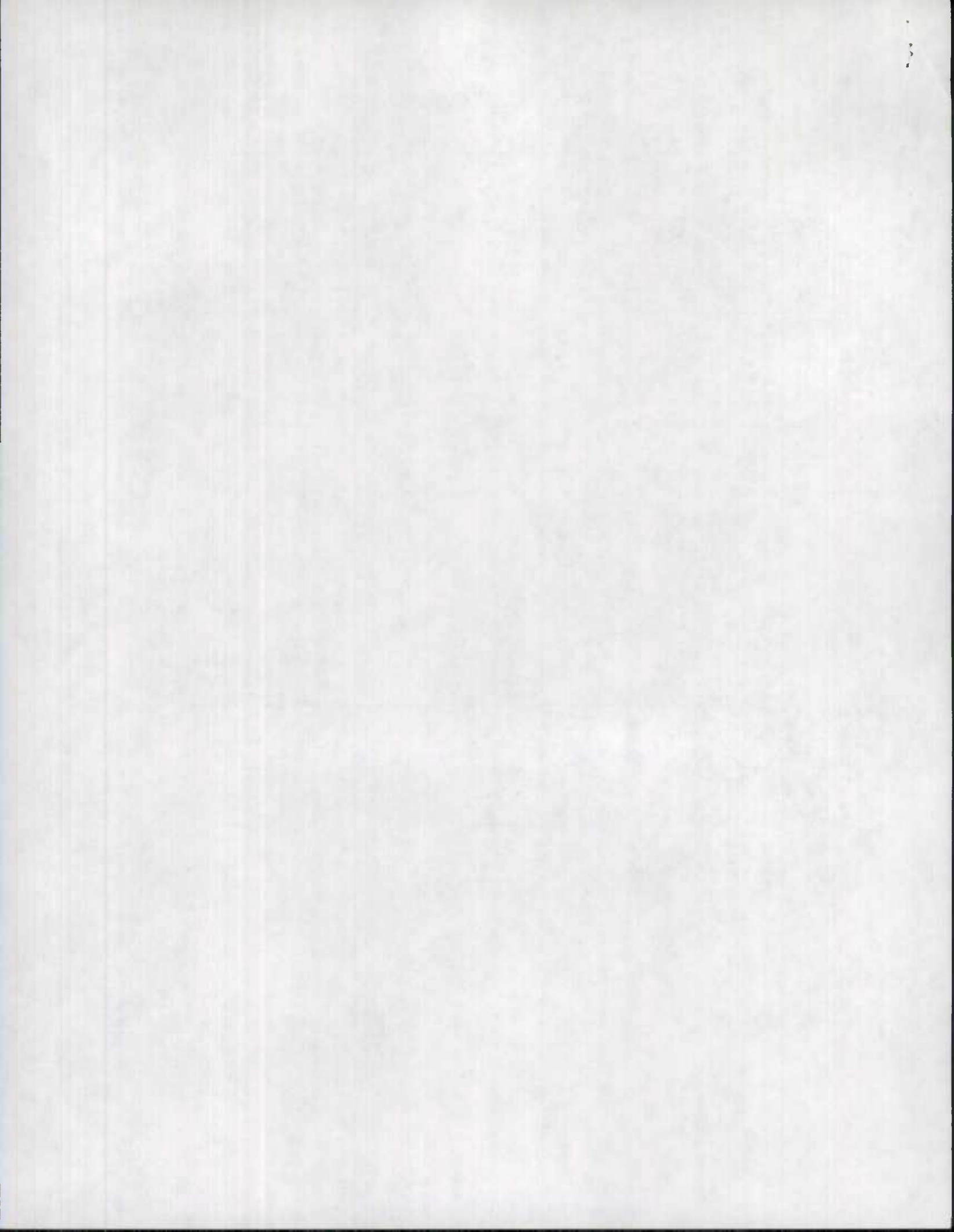
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.16</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0 572	572 845	-9.6%	----- ----- ----- ----- ----- ----- ----- ----- ----- -----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.11</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	<u>1</u>	<u>0.05</u>



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

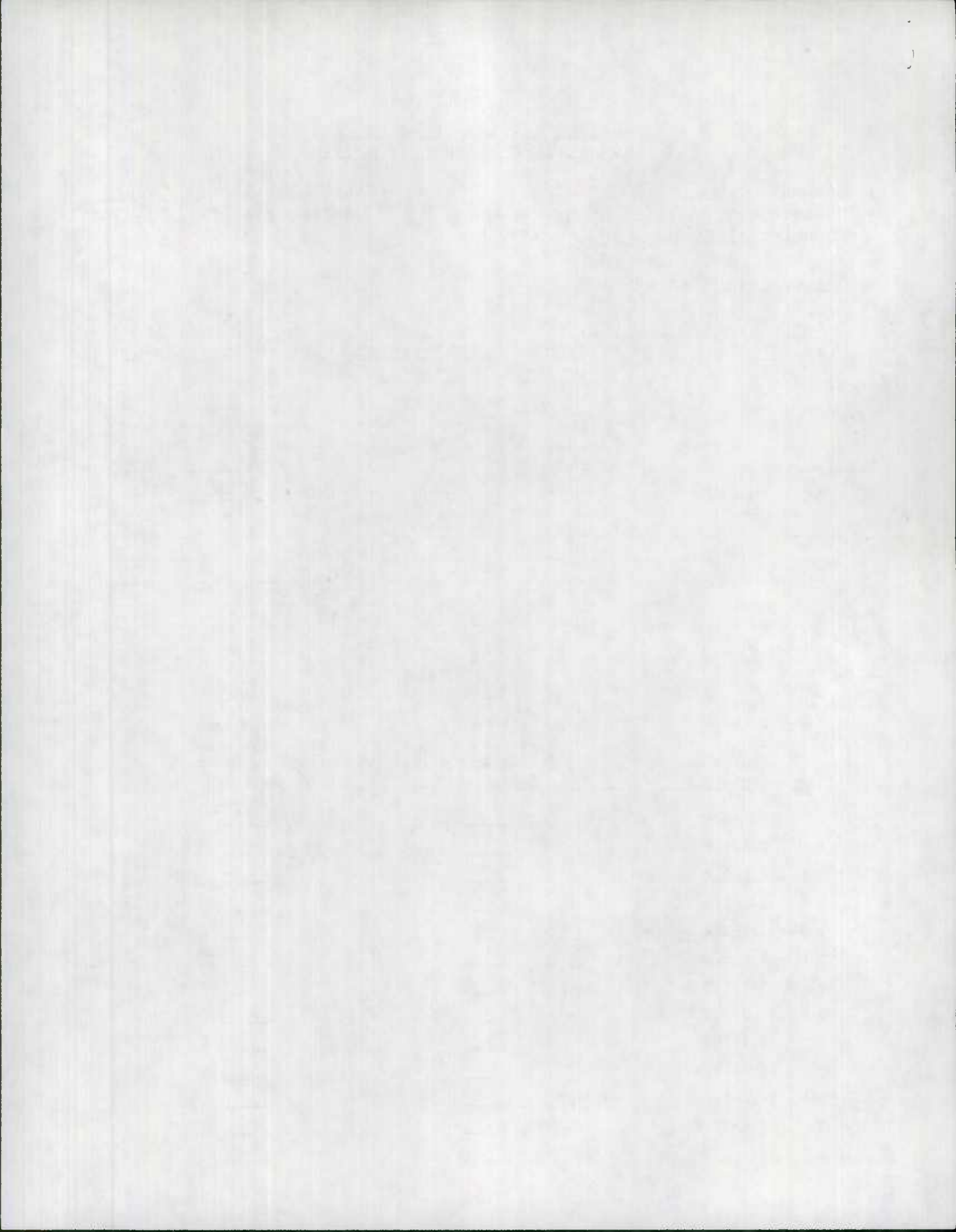
Route No: MU 2300 999
 Sample No: 36
 County: (Baltimore City) 24

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.17
(0.17)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>899</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

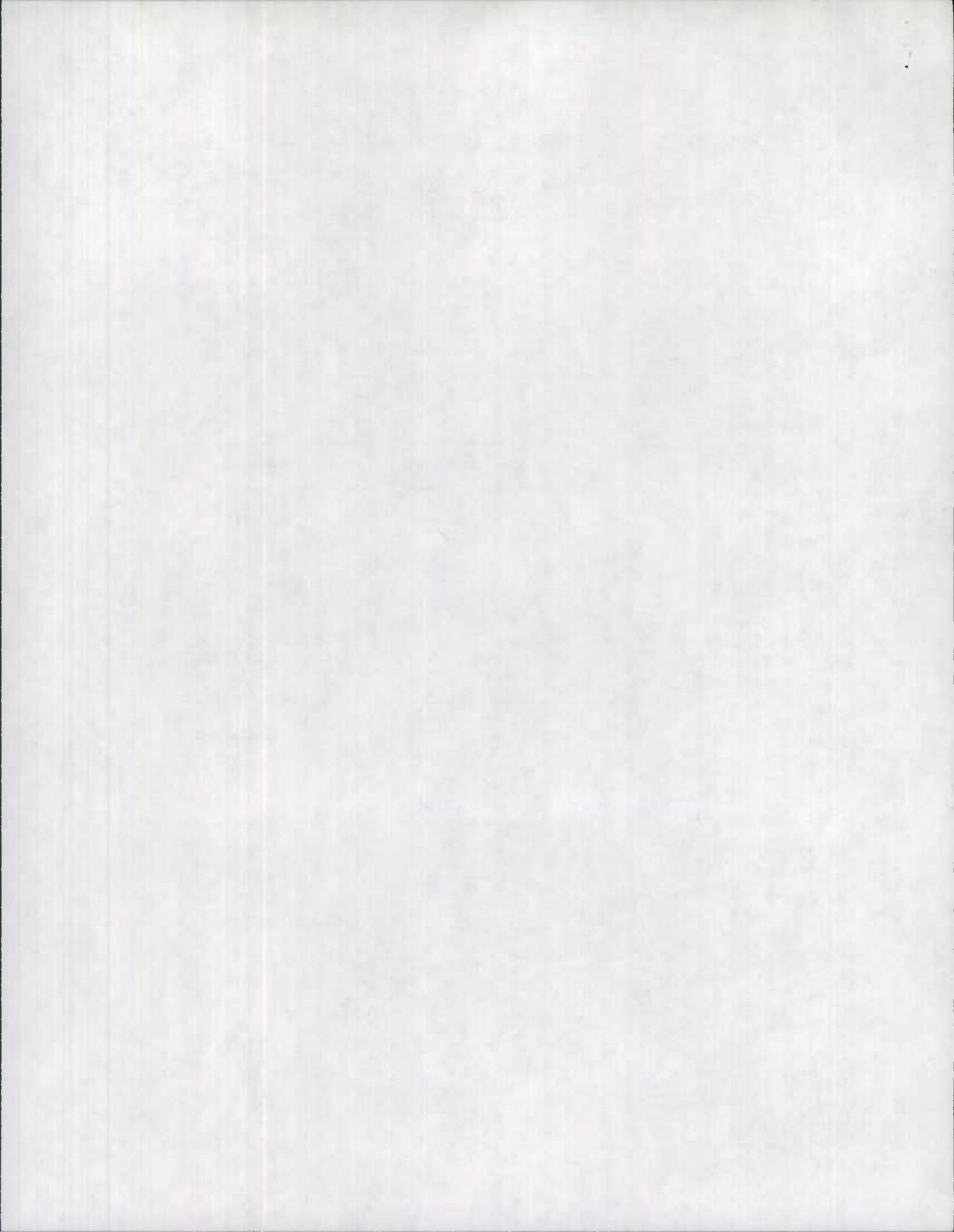
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.17</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	899	+2.2%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	-----	-----
b.	0.5-2.4	1	0.17
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

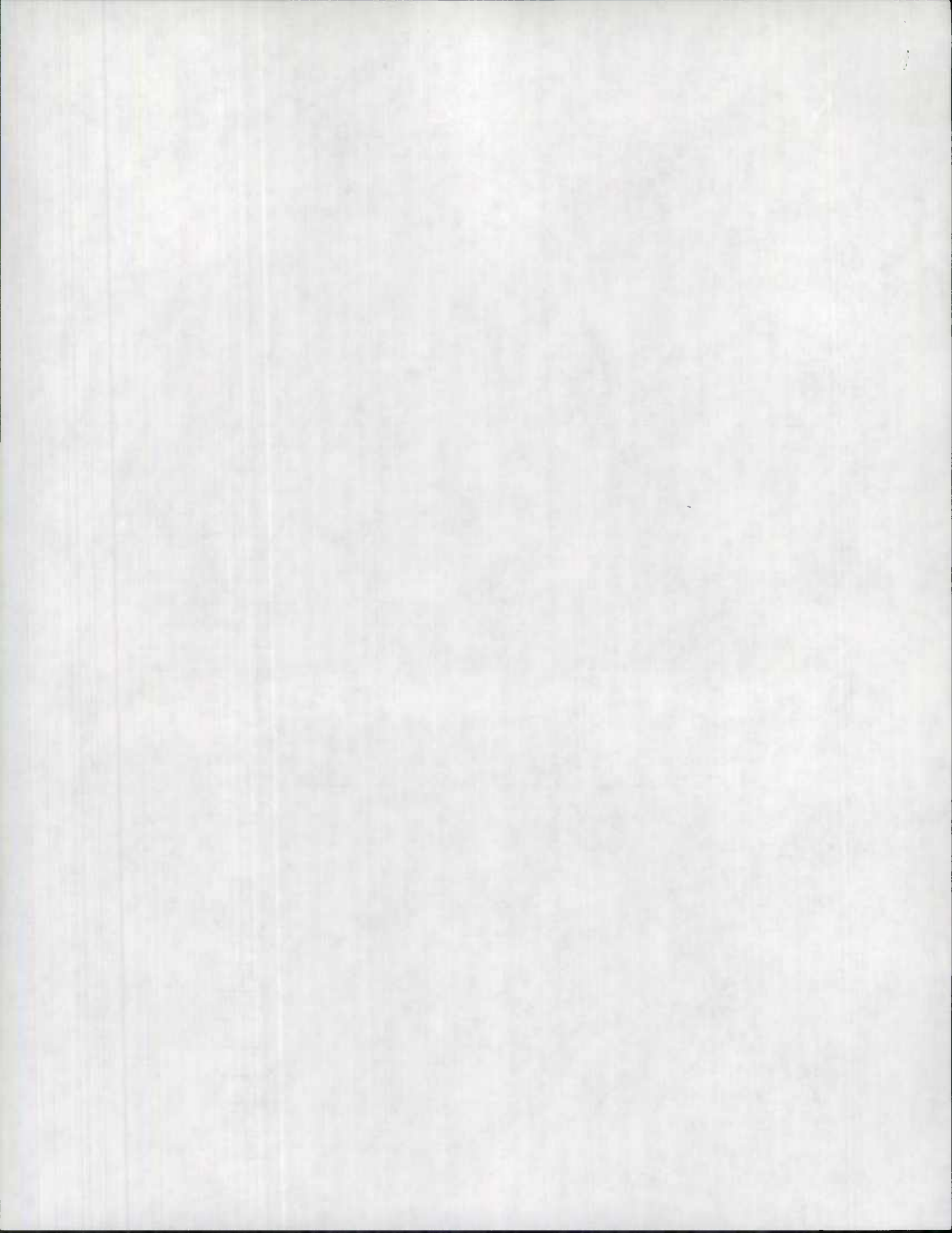
Route No: MD 2400 999
 Sample No: 37
 County: Baltimore city 24

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.56
 (0.56)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ordi. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2957</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

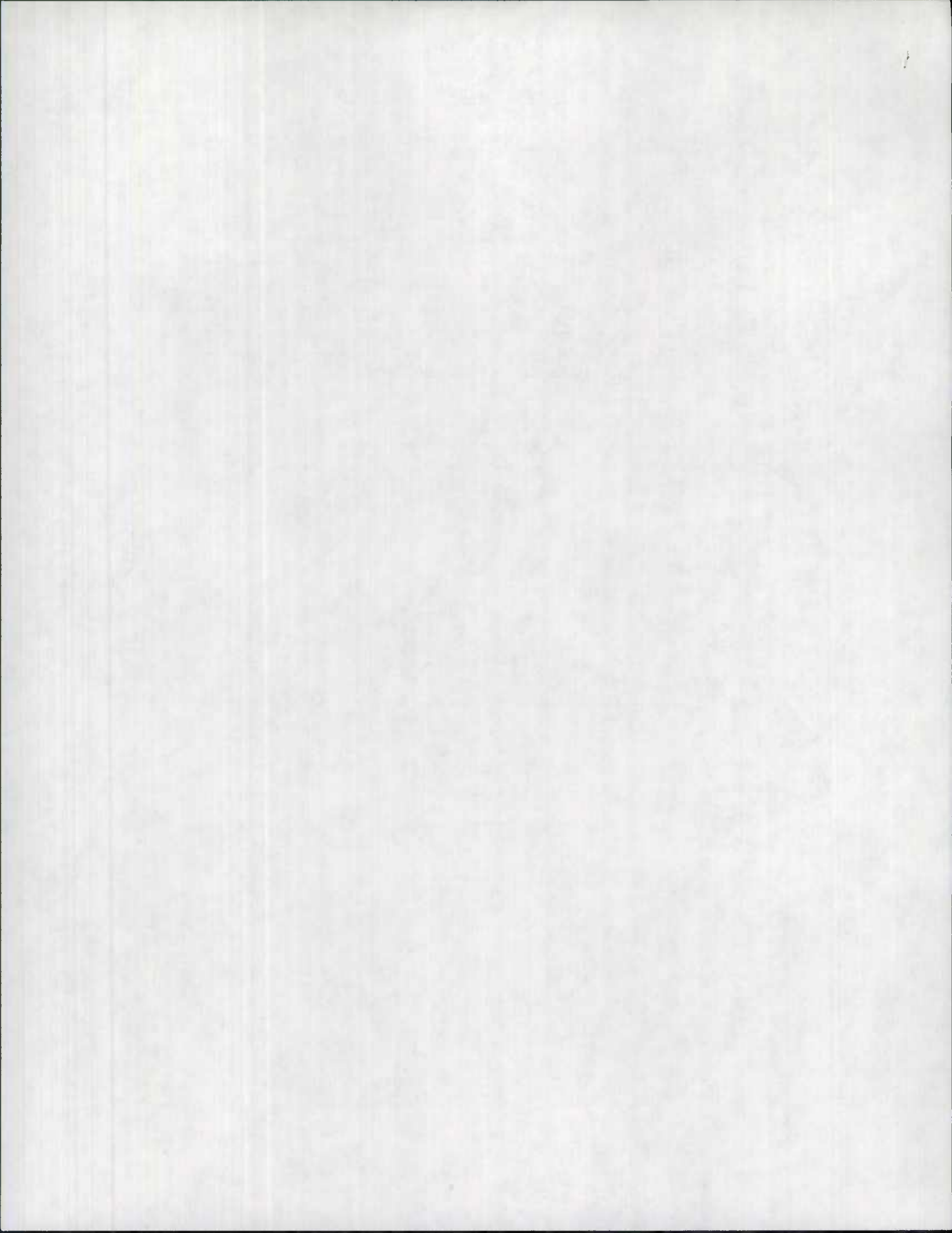
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.56</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	809	-5.4%	
809	1218	+6.5%	
1218	1597 1597	+2.20%	
1597	1952	-6.3%	
1952	2090	0%	
2090	2446	+3.5%	
2446	2857	+2.7%	
2857	2957	0%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>0.11</u>
b.	0.5-2.4	<u>1</u>	<u>0.07</u>
c.	2.5-4.4	<u>2</u>	<u>0.09</u>
d.	4.5-6.4	<u>2</u>	<u>0.22</u>
e.	6.5-8.4	<u>1</u>	<u>0.08</u>
f.	8.5-	—	—



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

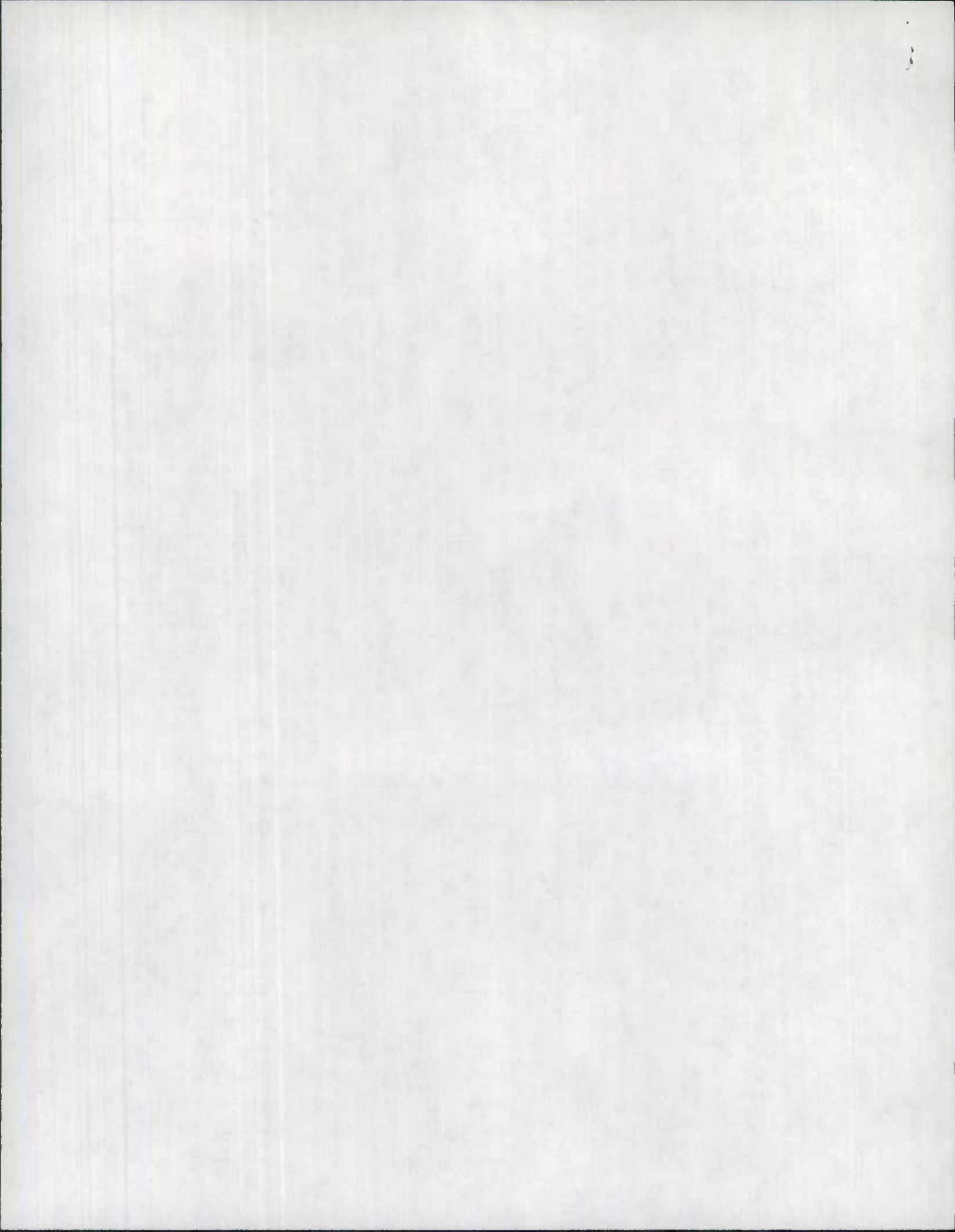
Route No: MU 2465
 Sample No: 38
 County: (Baltimore city) 24

Starting Mile Pt: 0.27
 Ending Mile Pt: 0.51
(0.24)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord1. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u> <u>72</u>	<u>72</u>	<u>99.7</u>	<u>5.0</u>	
<u>0</u>	<u>1267</u>	<u>100</u>	<u>0</u>	

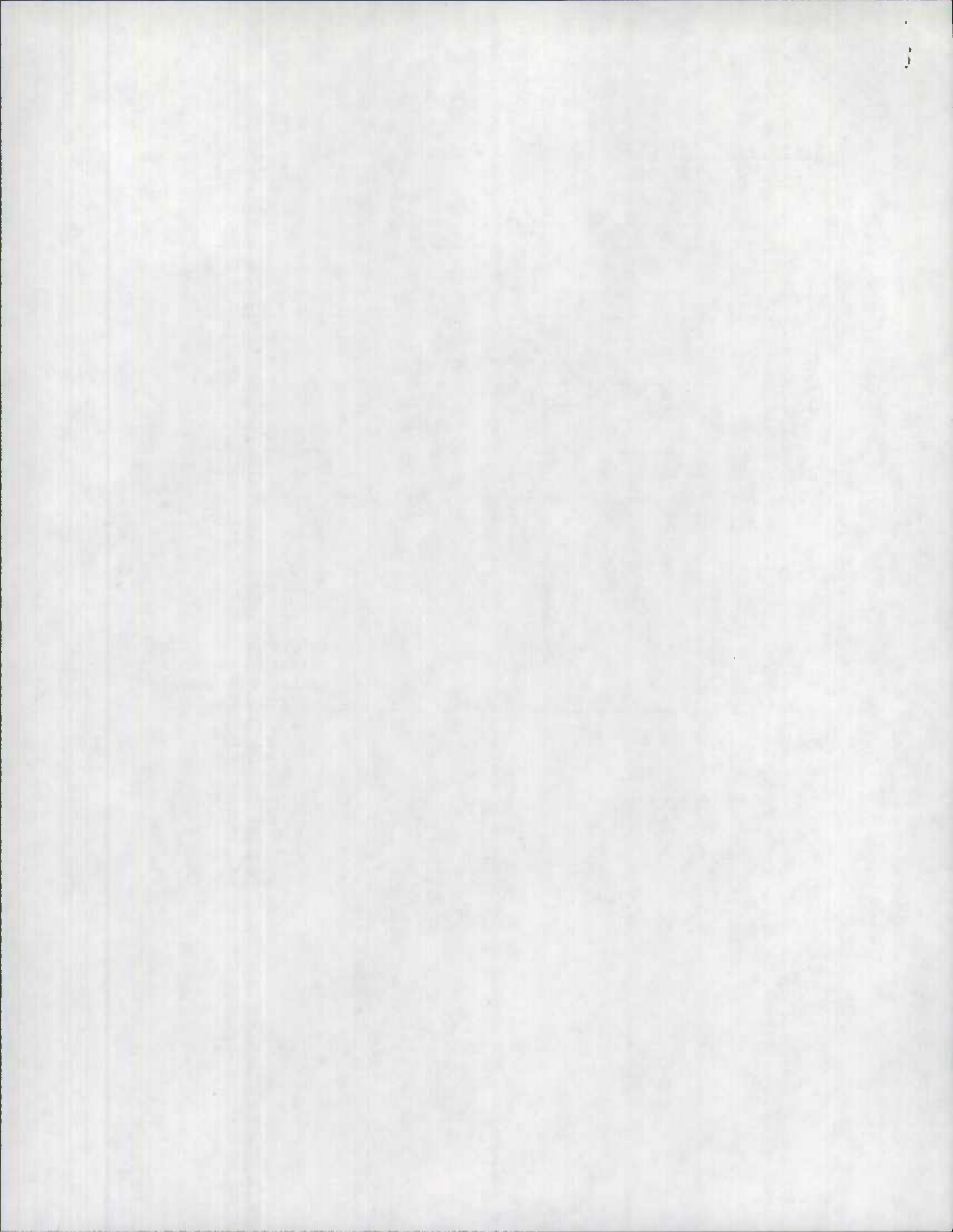
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.24</u>
b.	0.5-1.4	---	---
c.	1.5-2.4	---	---
d.	2.5-3.4	---	---
e.	3.5-4.4	---	---
f.	4.5-5.4	---	---
g.	5.5-6.9	---	---
h.	7.0-8.4	---	---
i.	8.5-10.9	---	---
j.	11.0-13.9	---	---
k.	14.0-19.4	---	---
l.	19.5-27.9	---	---
m.	23+	---	---



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0		+ 1%	
618		0%	
0	197	0%	
197	790	+ 9.2%	
790	1181	- 4.5%	
1181	1267	+ 2.0%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.04</u>
b.	0.5-2.4	<u>1</u>	<u>0.02</u>
c.	2.5-4.4	<u> </u>	<u> </u>
d.	4.5-6.4	<u>1</u>	<u>0.07</u>
e.	6.5-8.4	<u> </u>	<u> </u>
f.	8.5-	<u>1</u>	<u>0.11</u>



CURVE - GRADE DATA COLLECTION
 NON - STATE ROADS - FY - 1992

Route No: MD 2505 999

Starting Mile Pt: 2.26

Sample No: 39

Ending Mile Pt: 0.43

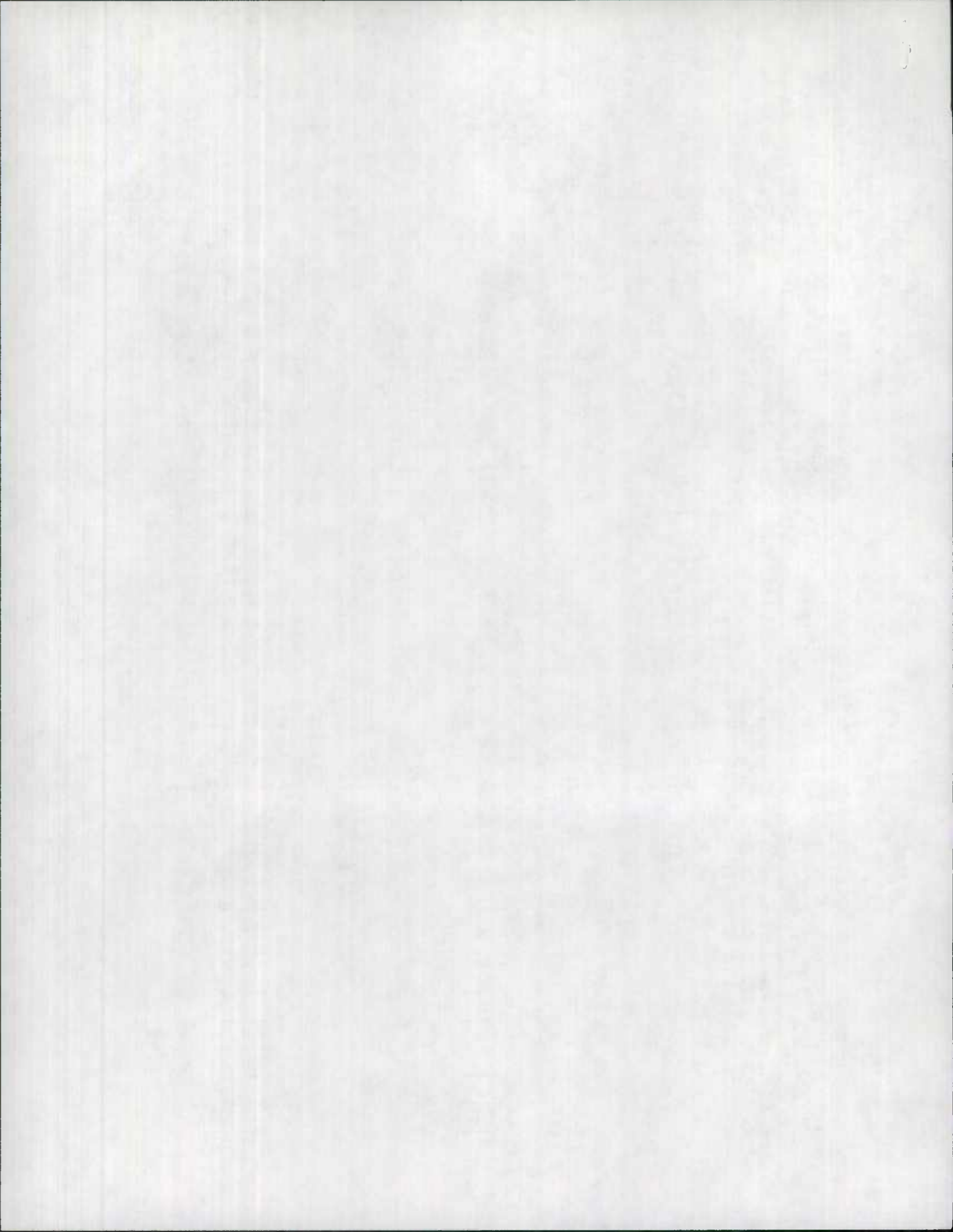
County: (Baltimore City) 24

(0.17)

Horizontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ord. Length (/100ft)	Length of Total Curve in(x.xxmiles)
<u>0</u>	<u>296</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

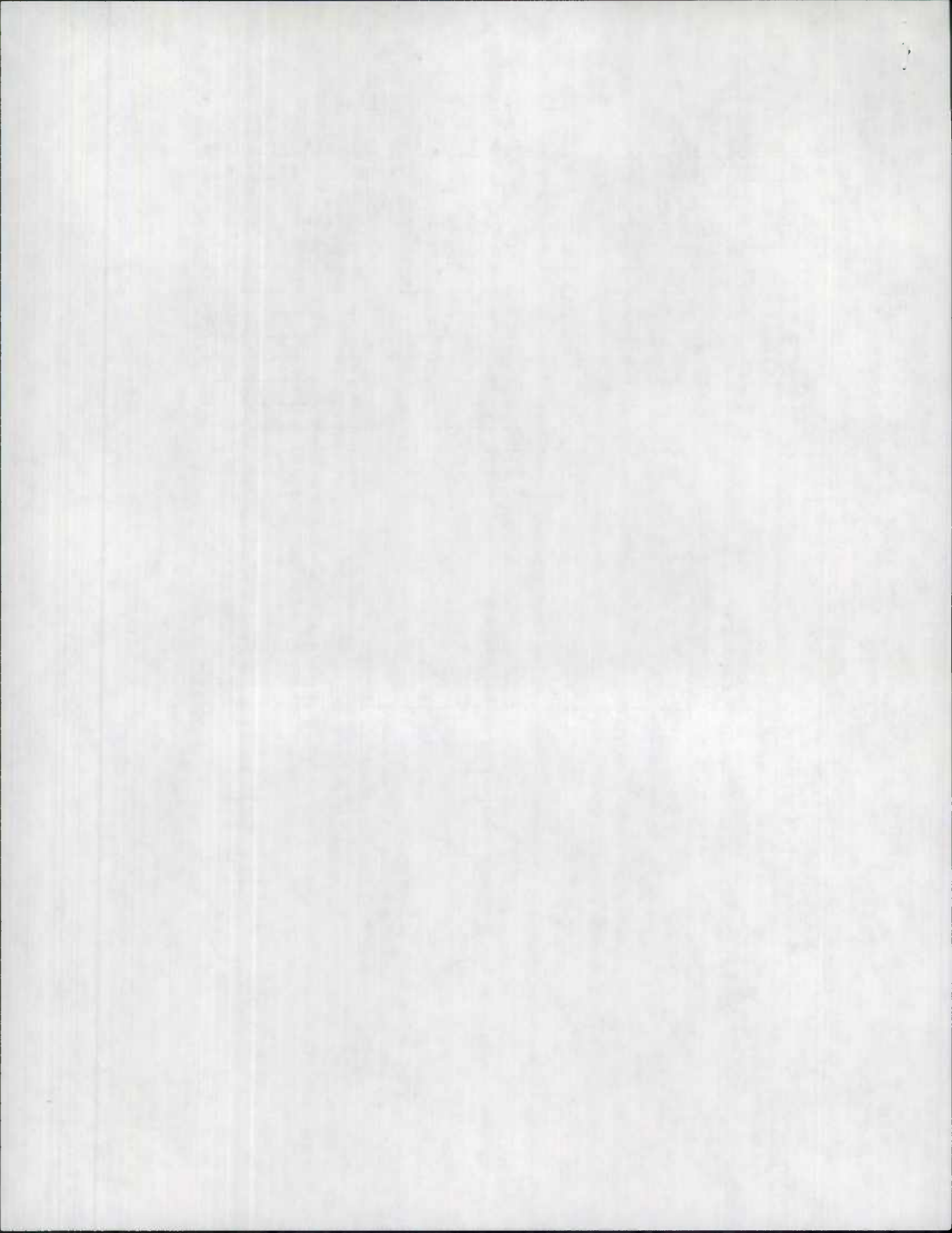
	Curve Classes by Degree of Curvature	Number of Curves (Right- Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	<u>1</u>	<u>0.17</u>
b.	0.5-1.4	---	---
c.	1.5-2.4	---	---
d.	2.5-3.4	---	---
e.	3.5-4.4	---	---
f.	4.5-5.4	---	---
g.	5.5-6.9	---	---
h.	7.0-8.4	---	---
i.	8.5-10.9	---	---
j.	11.0-13.9	---	---
k.	14.0-19.4	---	---
l.	19.5-27.9	---	---
m.	23+	---	---



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	794	+3.2%	
794	896	-2.5%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	—	—
b.	0.5-2.4	—	—
c.	2.5-4.4	2	0.17
d.	4.5-6.4	2	—
e.	6.5-8.4	—	—
f.	8.5-	—	—



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

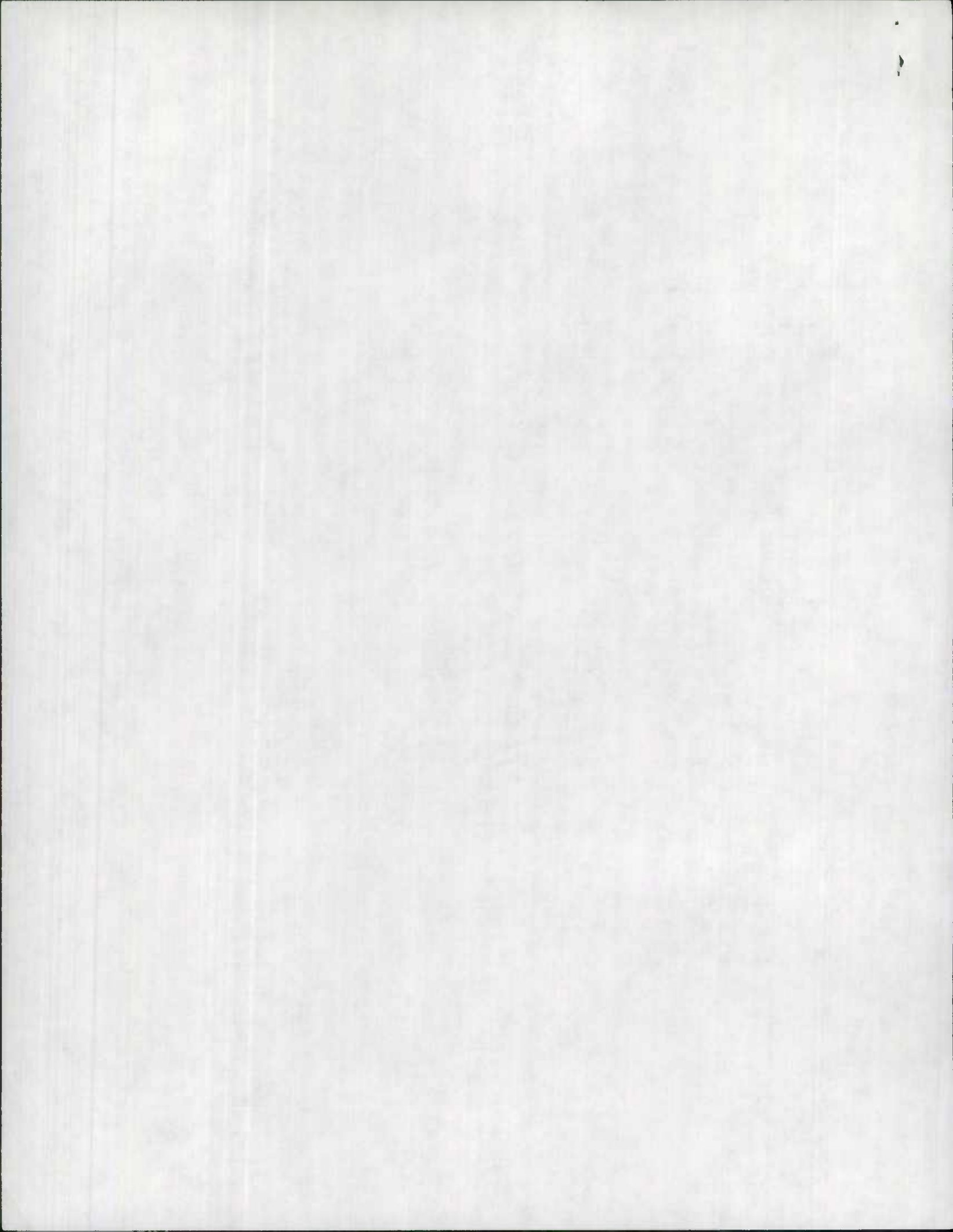
Route No: MV 2875 999
 Sample No: 40
 County: (Baltimore city) 24

Starting Mile Pt: 0.22
 Ending Mile Pt: 0.65
(0.43)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2272</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.43</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	150	0 %	
150	958	+3.2 %	
958	2272	0 %	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>0.28</u>
b.	0.5-2.4	<u> </u>	<u> </u>
c.	2.5-4.4	<u>1</u>	<u>0.15</u>
d.	4.5-6.4	<u> </u>	<u> </u>
e.	6.5-8.4	<u> </u>	<u> </u>
f.	8.5-	<u> </u>	<u> </u>

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

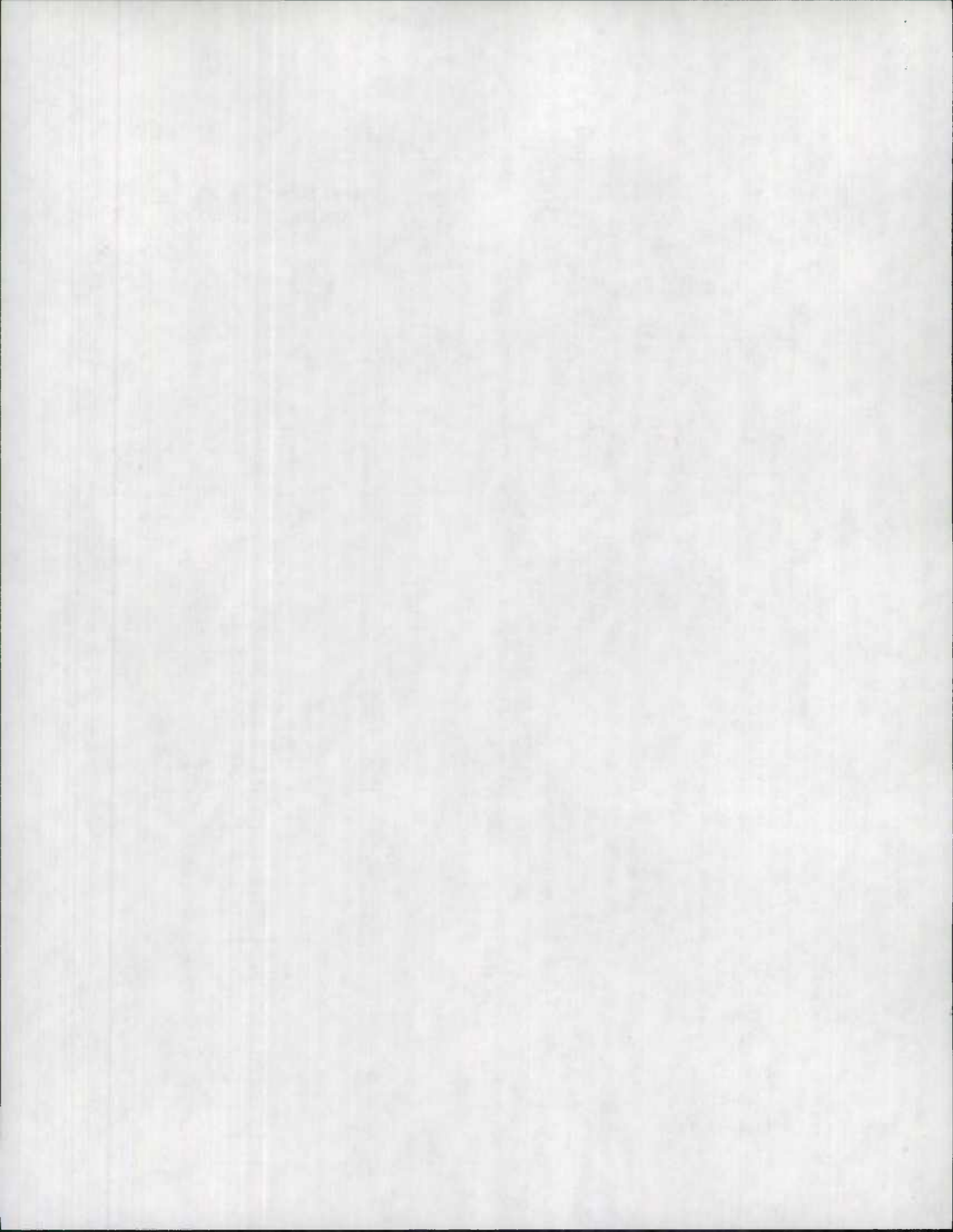
Route No: MU 2880 999
 Sample No: 41
 County: (Baltimore city) 24

Starting Mile Pt: 1.25
 Ending Mile Pt: 1.63
 (2.28)

Horizontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
R <u>0</u>	<u>665</u>	<u>100</u>	<u>0</u>	-----
<u>665</u>	<u>1216</u>	<u>99.7</u>	<u>3.0</u>	-----
<u>1216</u>	<u>1478</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

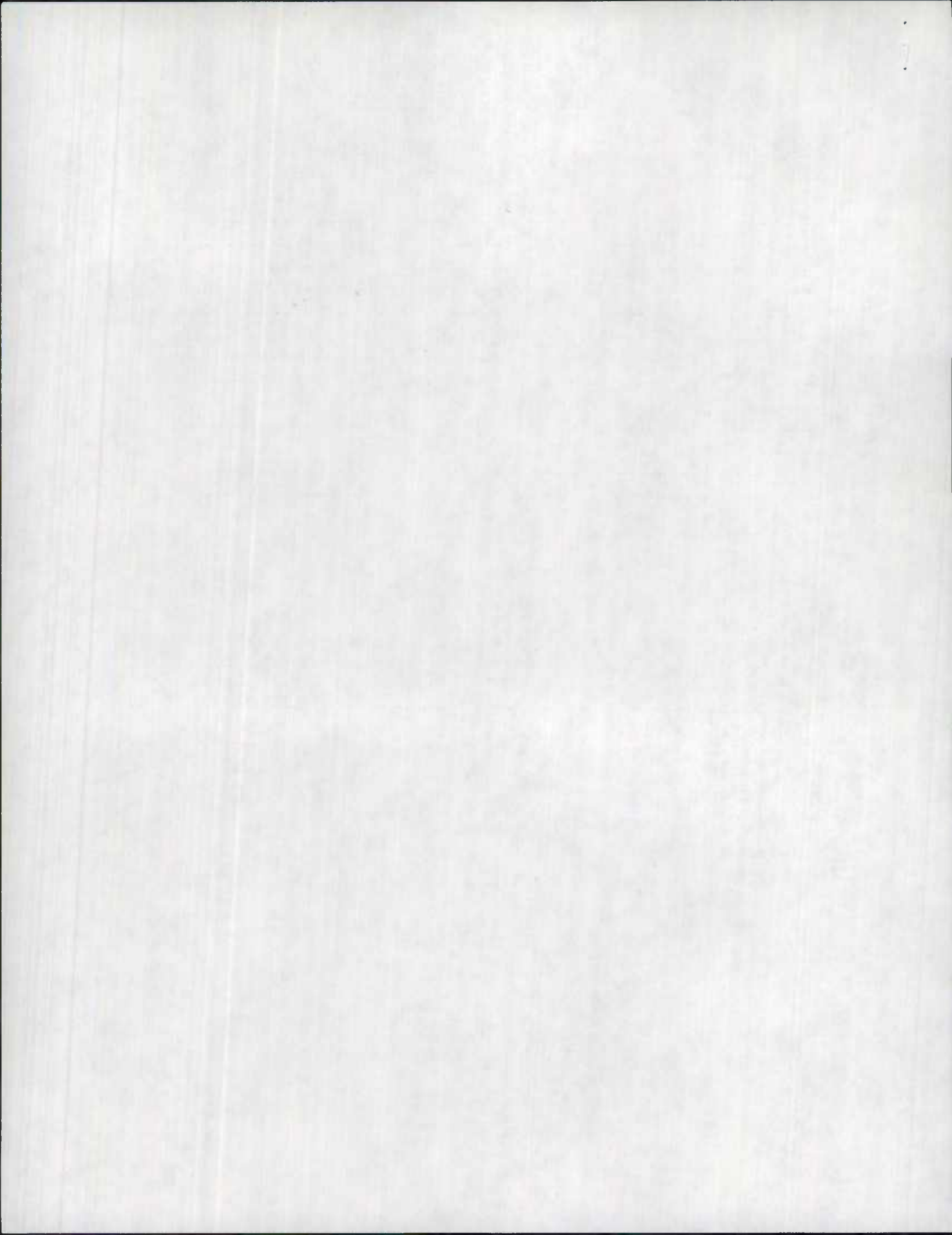
Curve Classes by Degree of Curvature	Number of Curves (Right- Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a. 0.0-0.4	<u>2</u>	<u>0.18</u>
b. 0.5-1.4	-----	-----
c. 1.5-2.4	-----	-----
d. 2.5-3.4	-----	-----
e. 3.5-4.4	-----	-----
f. 4.5-5.4	-----	-----
g. 5.5-6.9	-----	-----
h. 7.0-8.4	-----	-----
i. 8.5-10.9	-----	-----
j. 11.0-13.9	<u>1</u>	<u>0.10</u>
k. 14.0-19.4	-----	-----
l. 19.5-27.9	-----	-----
m. 23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0 1216	1216 1478	0% + 3.0%	

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right-Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.23</u>
b.	0.5-2.4	<u> </u>	<u> </u>
c.	2.5-4.4	<u>1</u>	<u>0.05</u>
d.	4.5-6.4	<u> </u>	<u> </u>
e.	6.5-8.4	<u> </u>	<u> </u>
f.	8.5-	<u> </u>	<u> </u>



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

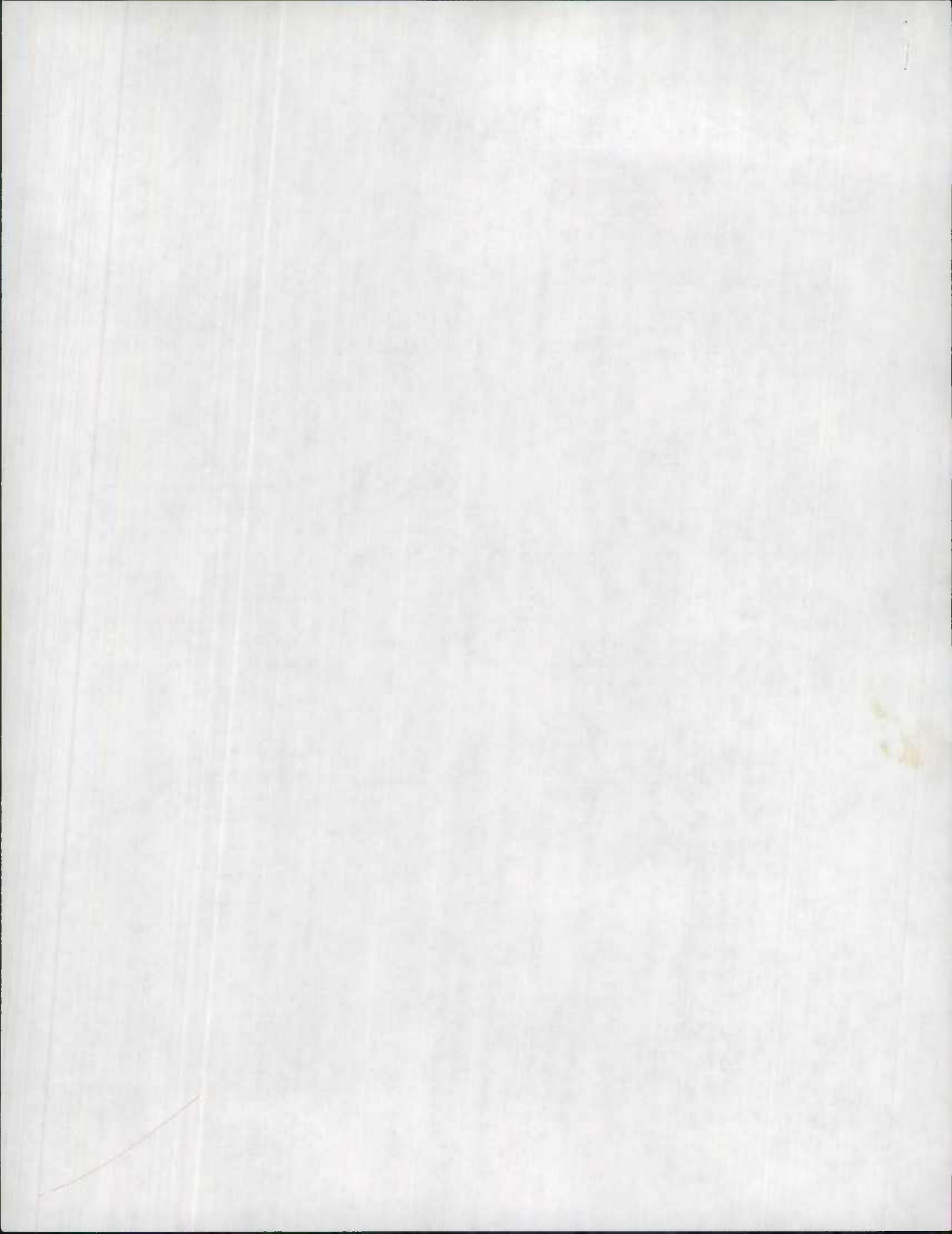
Route No: MU 2955 999
 Sample No: 42
 County: (Baltimore City) 24

Starting Mile Pt: 0.48
 Ending Mile Pt: 0.69
(0.21)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1108</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

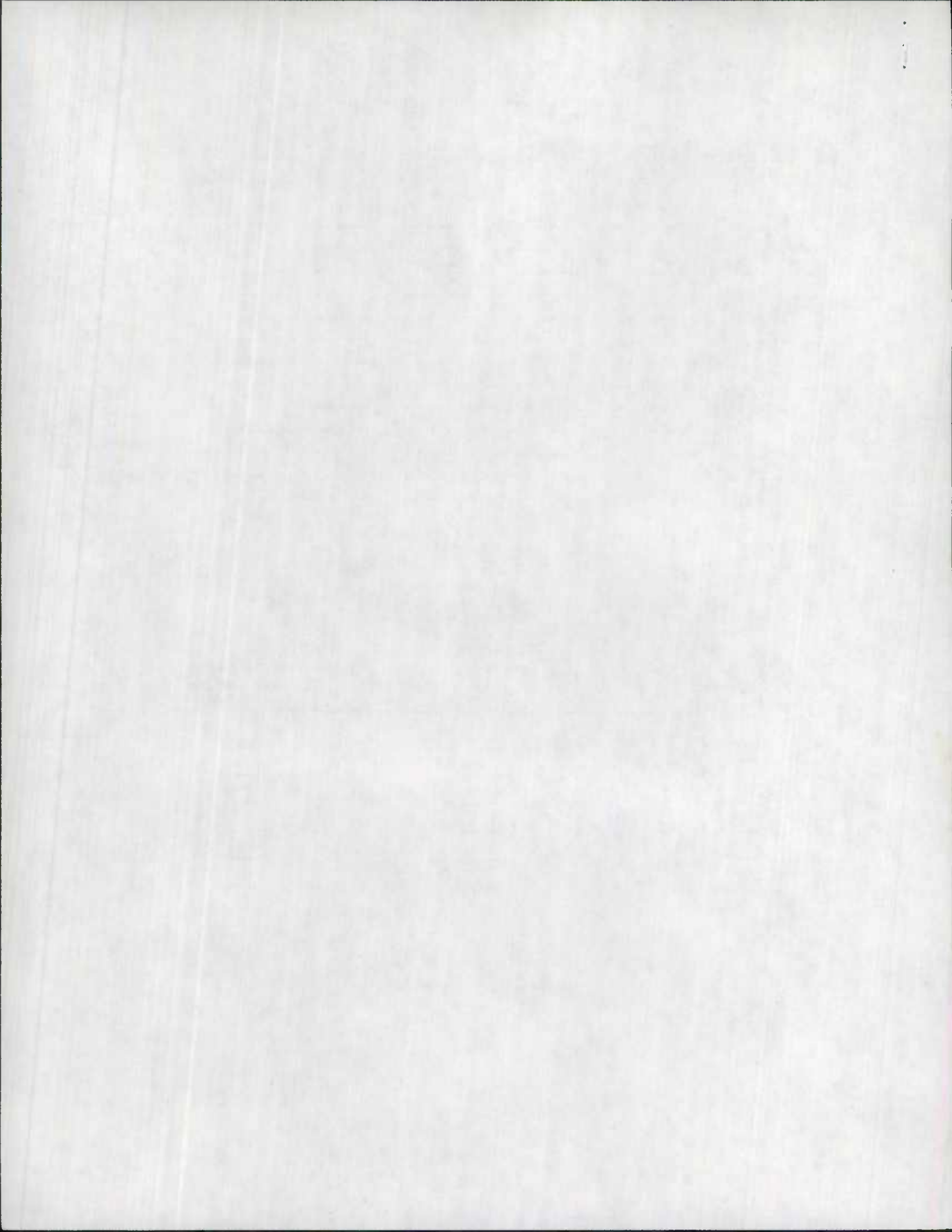
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.21</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	817	+3.3 %	-----
817	1108	-4.9 %	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	-----	-----
b.	0.5-2.4	-----	-----
c.	2.5-4.4	1	0.15
d.	4.5-6.4	1	0.06
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

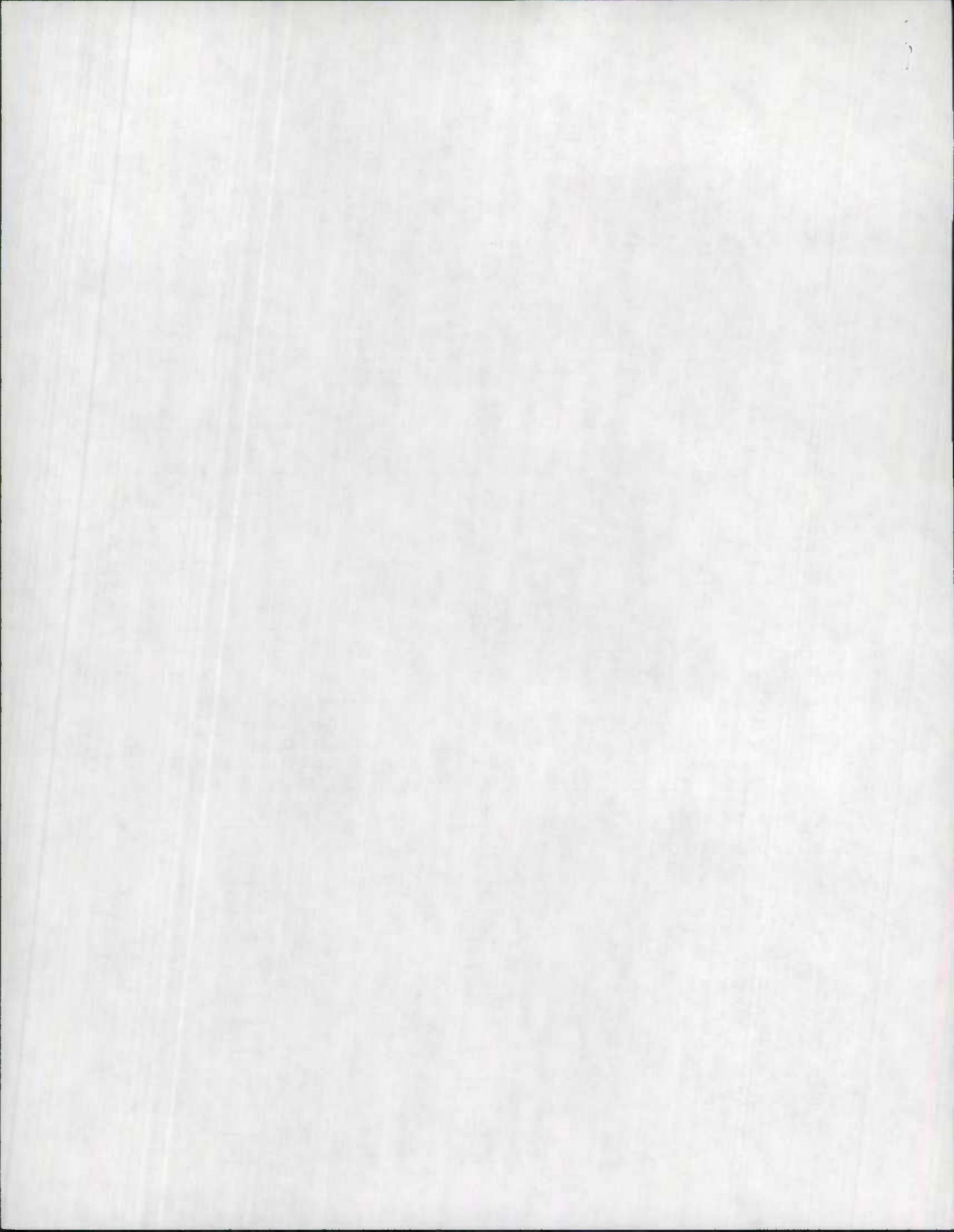
Route No: MU 4030 599
 Sample No: 43
 County: (Baltimore City) # 24

Starting Mile Pt: 1.67
 Ending Mile Pt: 1.88
(0.21)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1109</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

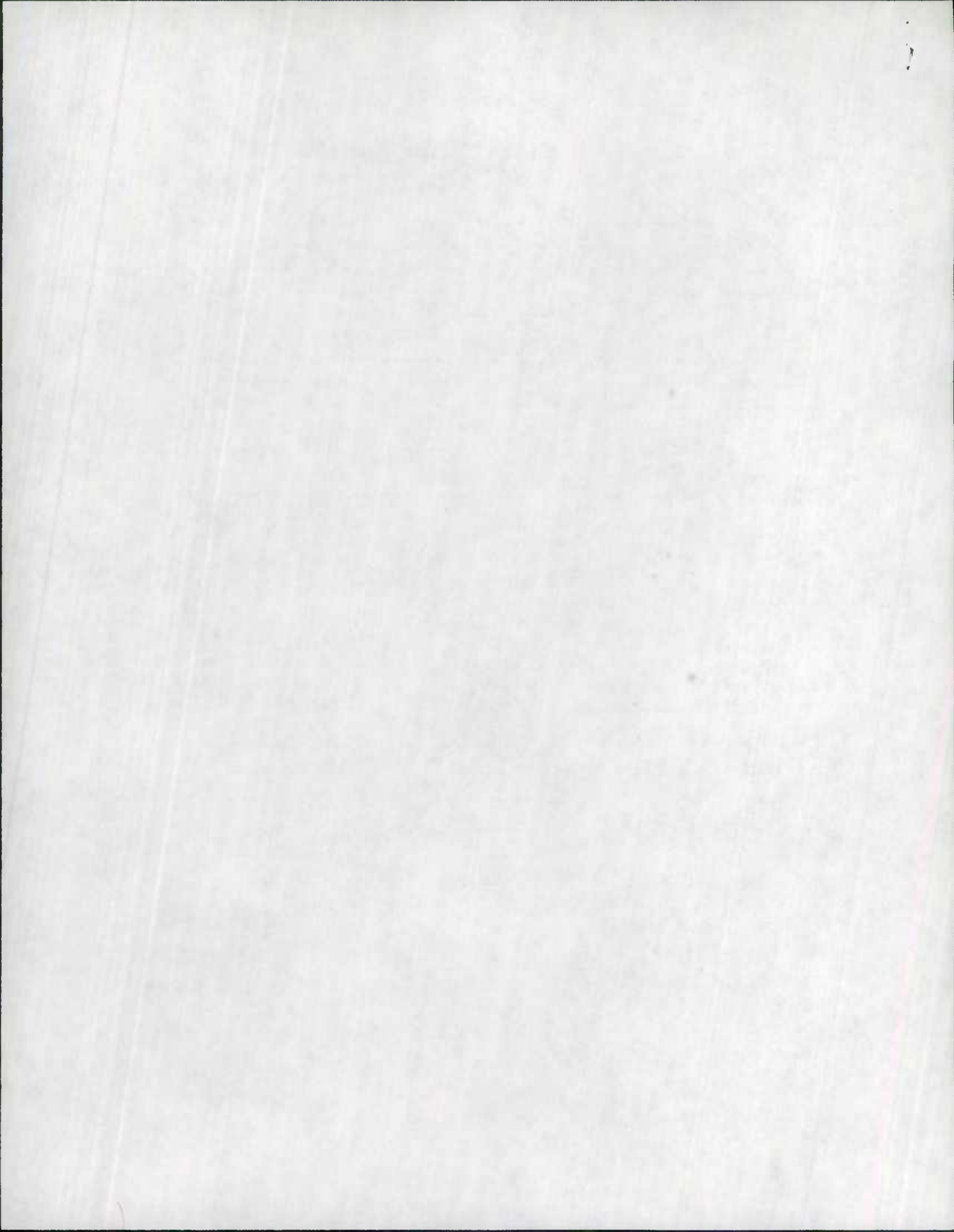
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.21</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0 628	628	2%	-----
0	1109	0%	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.21</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MU 3050 999
 Sample No: 44
 County: (Baltimore city) E 24

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.17

(0.17)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>898</u>	<u>214 10</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.17</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----

Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
<u>0</u>	<u>898</u>	<u>0%</u>	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.17</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

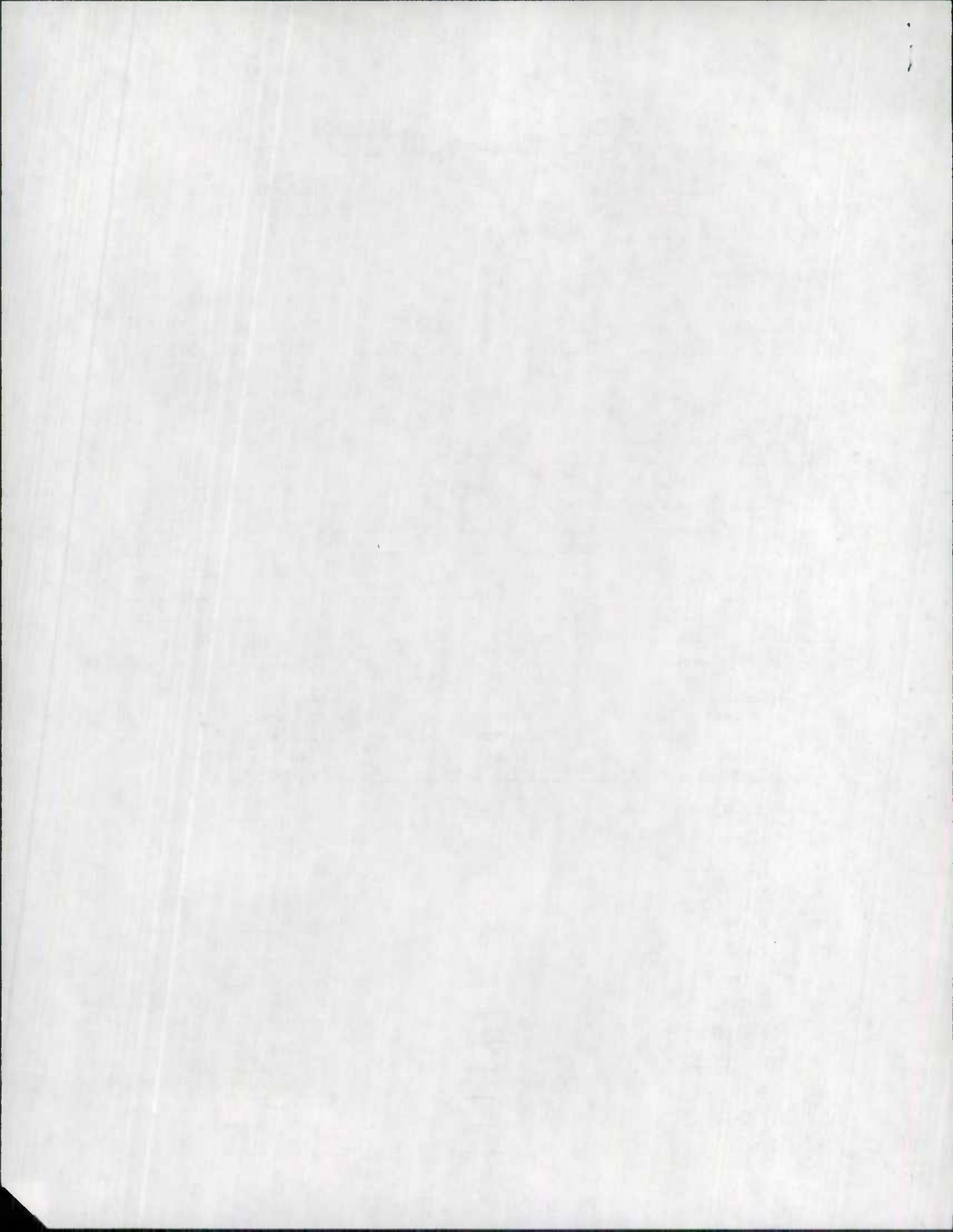
Route No: MD 4015 999
 Sample No: 45
 County: (Baltimore City) 24

Starting Mile Pt: 2.00
 Ending Mile Pt: 2.11

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>581.136</u>	<u>100</u>	<u>0</u>	
<u>R 136</u>	<u>276</u>	<u>99.4</u>	<u>5.0</u>	
<u>275</u>	<u>409</u>	<u>100</u>	<u>0</u>	
<u>L 109</u>	<u>581</u>	<u>99.7</u>	<u>3.1</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

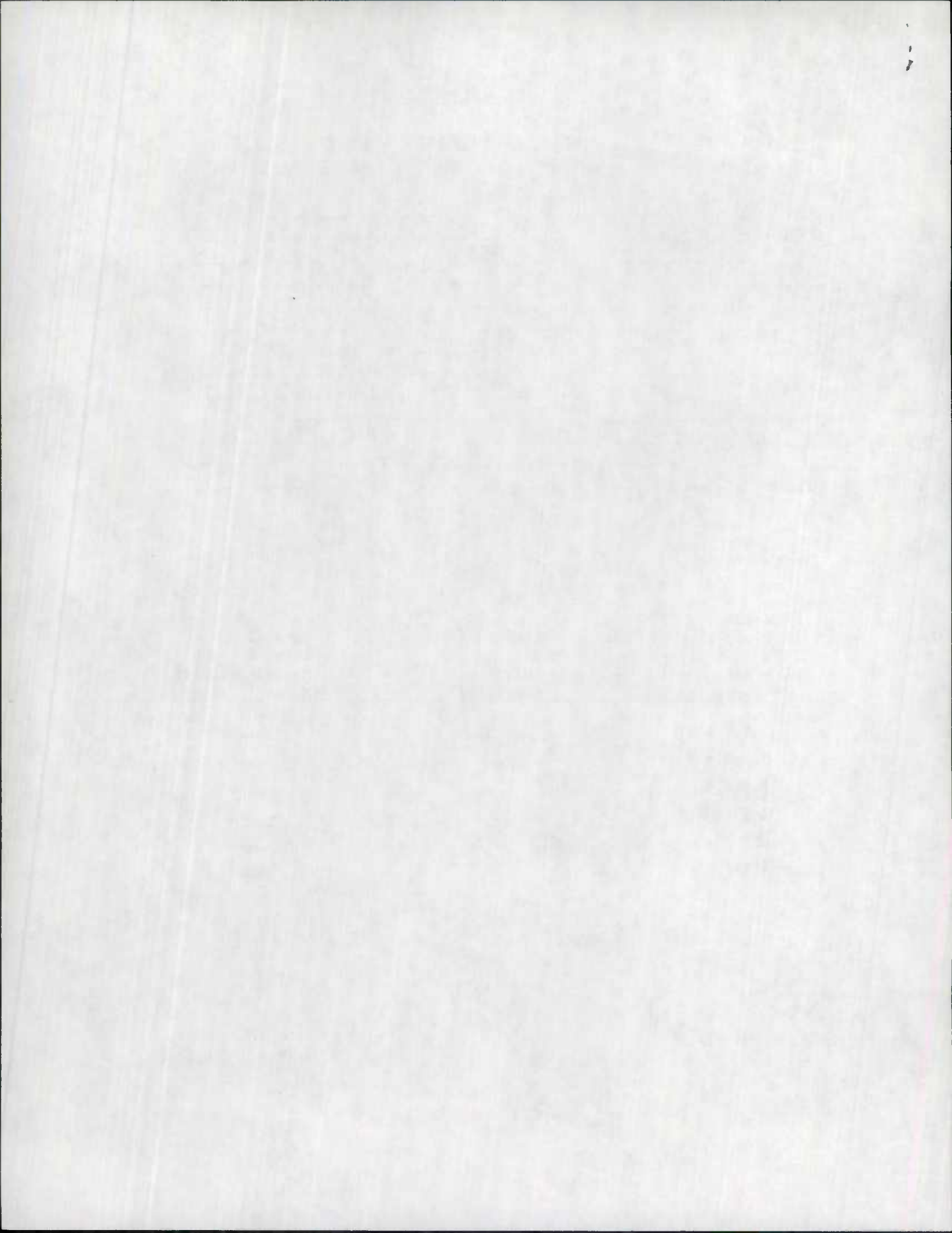
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>2.05</u>
b.	0.5-1.4	---	---
c.	1.5-2.4	---	---
d.	2.5-3.4	---	---
e.	3.5-4.4	---	---
f.	4.5-5.4	---	---
g.	5.5-6.9	---	---
h.	7.0-8.4	---	---
i.	8.5-10.9	---	---
j.	11.0-13.9	---	---
k.	14.0-19.4	<u>1</u>	<u>0.03</u>
l.	19.5-27.9	<u>1</u>	<u>0.03</u>
m.	23+	---	---



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
<u>0</u>	<u>581</u>	<u>0%</u>	_____
<u>186</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.11</u>
b.	0.5-2.4	_____	_____
c.	2.5-4.4	_____	_____
d.	4.5-6.4	_____	_____
e.	6.5-8.4	_____	_____
f.	8.5-	_____	_____



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

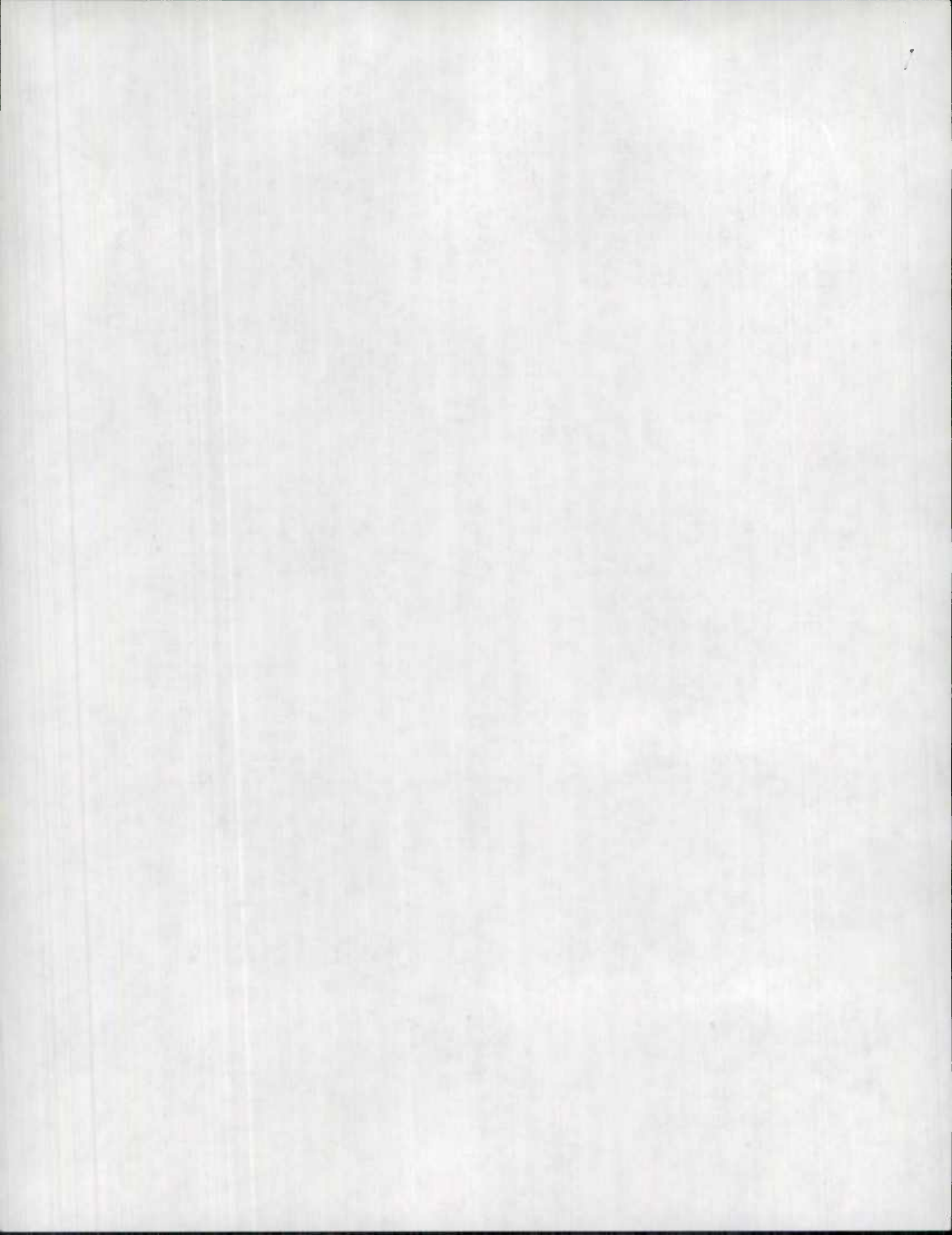
✓ Route No: MW 4125 999
 * Sample No: 46
 County: (Baltimore City) 24

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.63
(0.63)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>57</u>	<u>100</u>	<u>0</u>	-----
<u>57</u>	<u>167</u>	<u>98.8</u>	<u>6.1</u>	-----
<u>167</u>	<u>322.8</u>	<u>100</u>	<u>0</u>	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

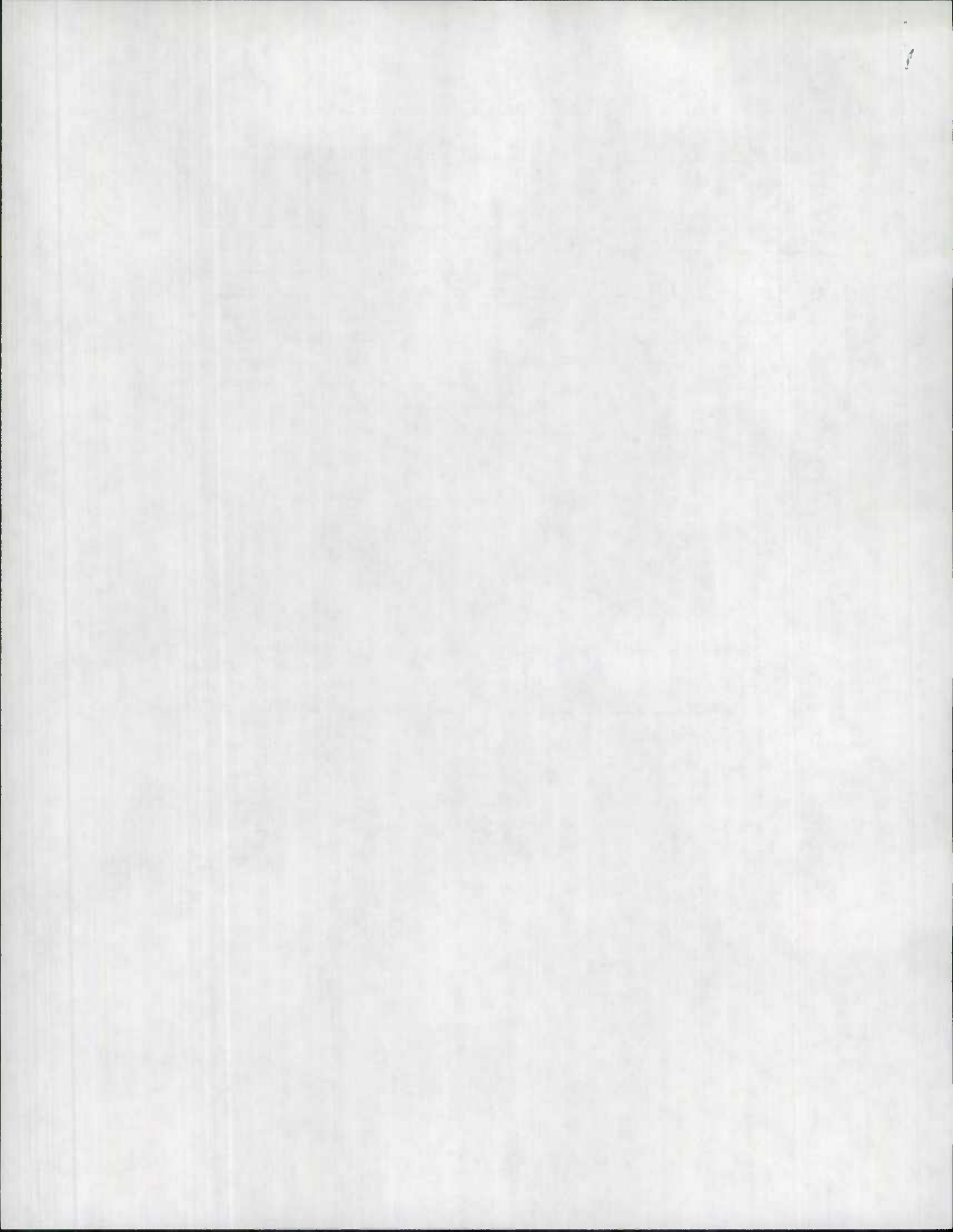
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	-----	-----
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	465	0%	-----
465	1306	+4.0%	-----
1306	1564	0%	-----
1564	2199	-5.4%	-----
2199	3328	+5.4%	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade</u> <u>Classes</u> <u>by</u> <u>Gradient</u> <u>(Percent)</u>	<u>Number of</u> <u>Grades</u> <u>(Right-</u> <u>Justified)</u>	<u>Length of</u> <u>Grades in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	-----	-----
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

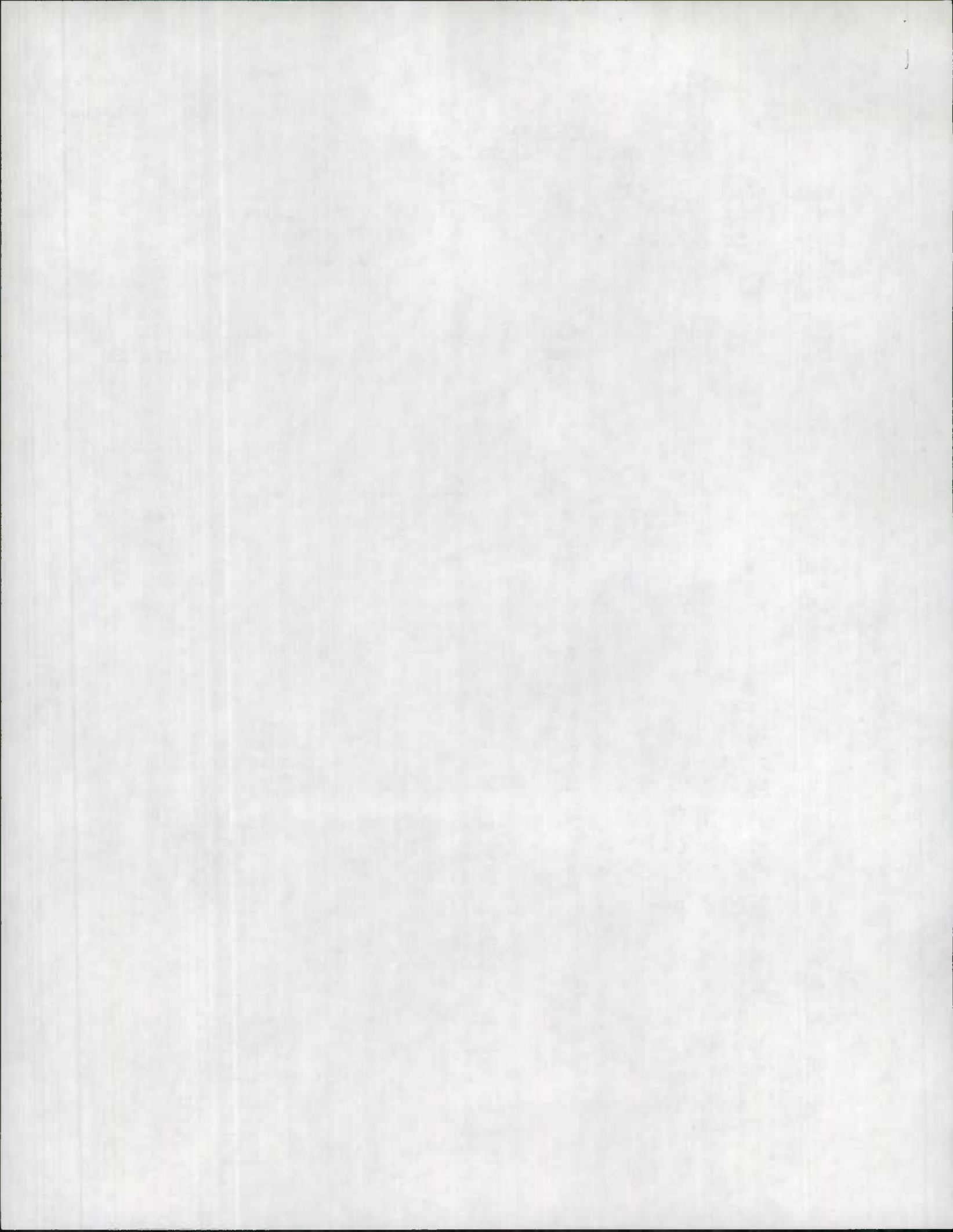
Route No: MJ 4135
 Sample No: 47
 County: Baltimore City

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.11
(0.11)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>590</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

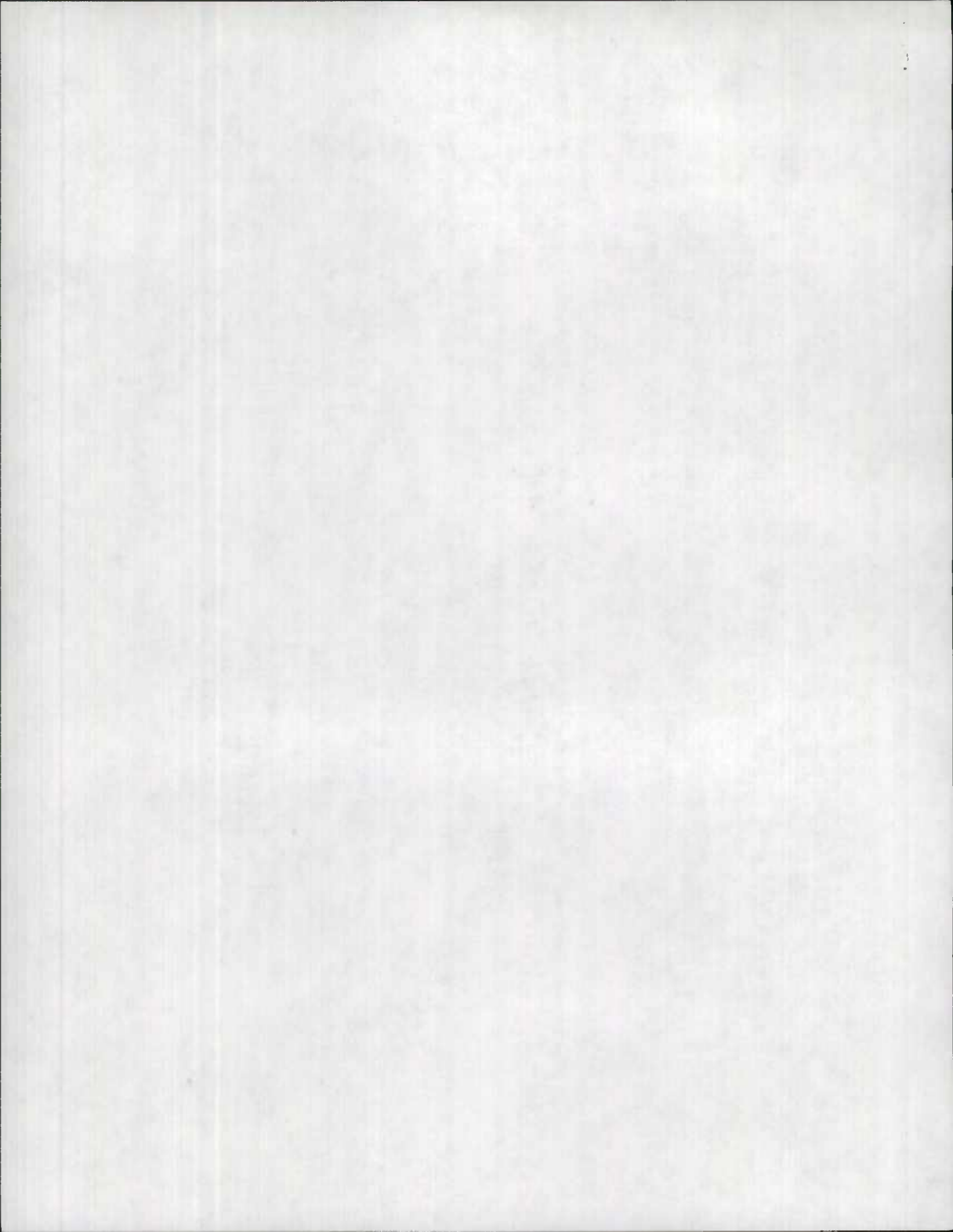
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.11</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
<u>0</u>	<u>530</u>	<u>0%</u>	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade</u> <u>Classes</u> <u>by</u> <u>Gradient</u> <u>(Percent)</u>	<u>Number of</u> <u>Grades</u> <u>(Right-</u> <u>Justified)</u>	<u>Length of</u> <u>Grades in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.11</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: MU 4145

Sample No: 43

County: (Baltimore City) 24

Starting Mile Pt: 0.52

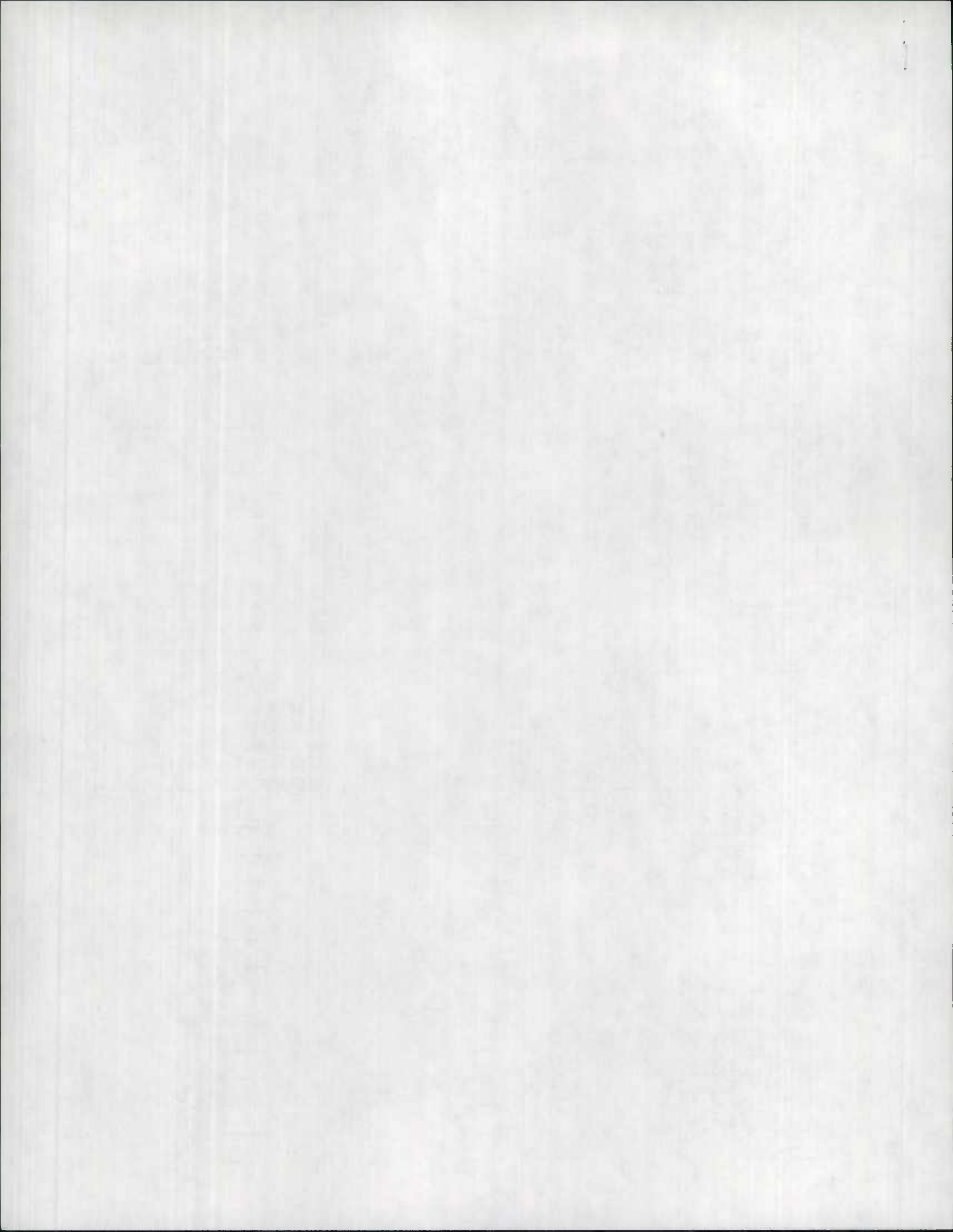
Ending Mile Pt: 0.81

(0.29)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord1. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1531</u>	<u>100</u>	<u>0</u>	
<u>813</u>	<u>834</u>	<u>99.9</u>	<u>1.2</u>	
<u>834</u>	<u>1531</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

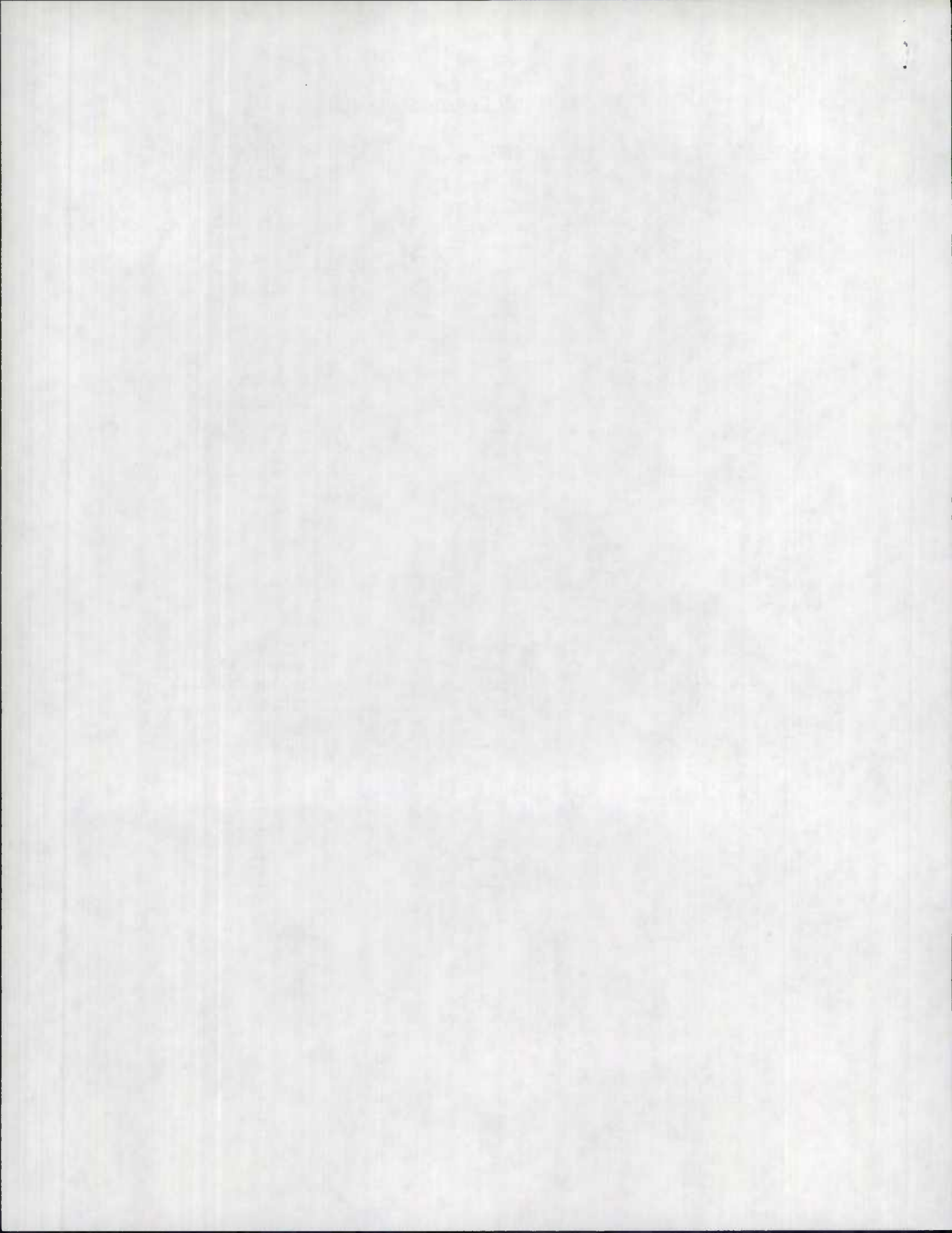
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>0.17</u>
b.	0.5-1.4	---	---
c.	1.5-2.4	---	---
d.	2.5-3.4	---	---
e.	3.5-4.4	---	---
f.	4.5-5.4	---	---
g.	5.5-6.9	<u>1</u>	<u>0.12</u>
h.	7.0-8.4	---	---
i.	8.5-10.9	---	---
j.	11.0-13.9	---	---
k.	14.0-19.4	---	---
l.	19.5-27.9	---	---
m.	23+	---	---



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	1531	+3.2 %	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade</u> <u>Classes</u> <u>by</u> <u>Gradient</u> <u>(Percent)</u>	<u>Number of</u> <u>Grades</u> <u>(Right-</u> <u>Justified)</u>	<u>Length of</u> <u>Grades in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	-----	-----
b.	0.5-2.4	-----	-----
c.	2.5-4.4	1	0.29
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

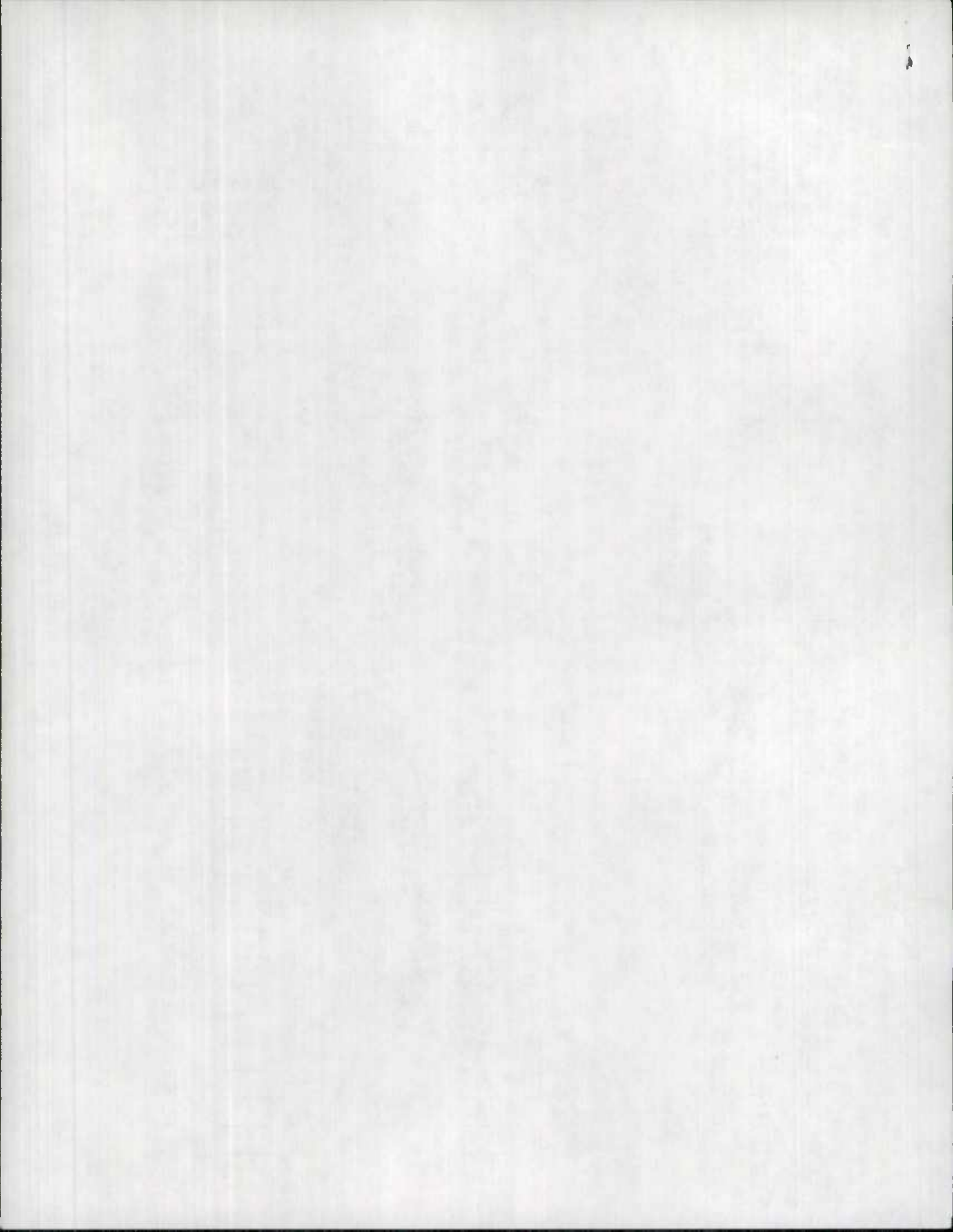
Route No: MV 4210 999
 Sample No: 49
 County: (Baltimore City) 24

Starting Mile Pt: 0.49
 Ending Mile Pt: 0.71
(0.22)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1162</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

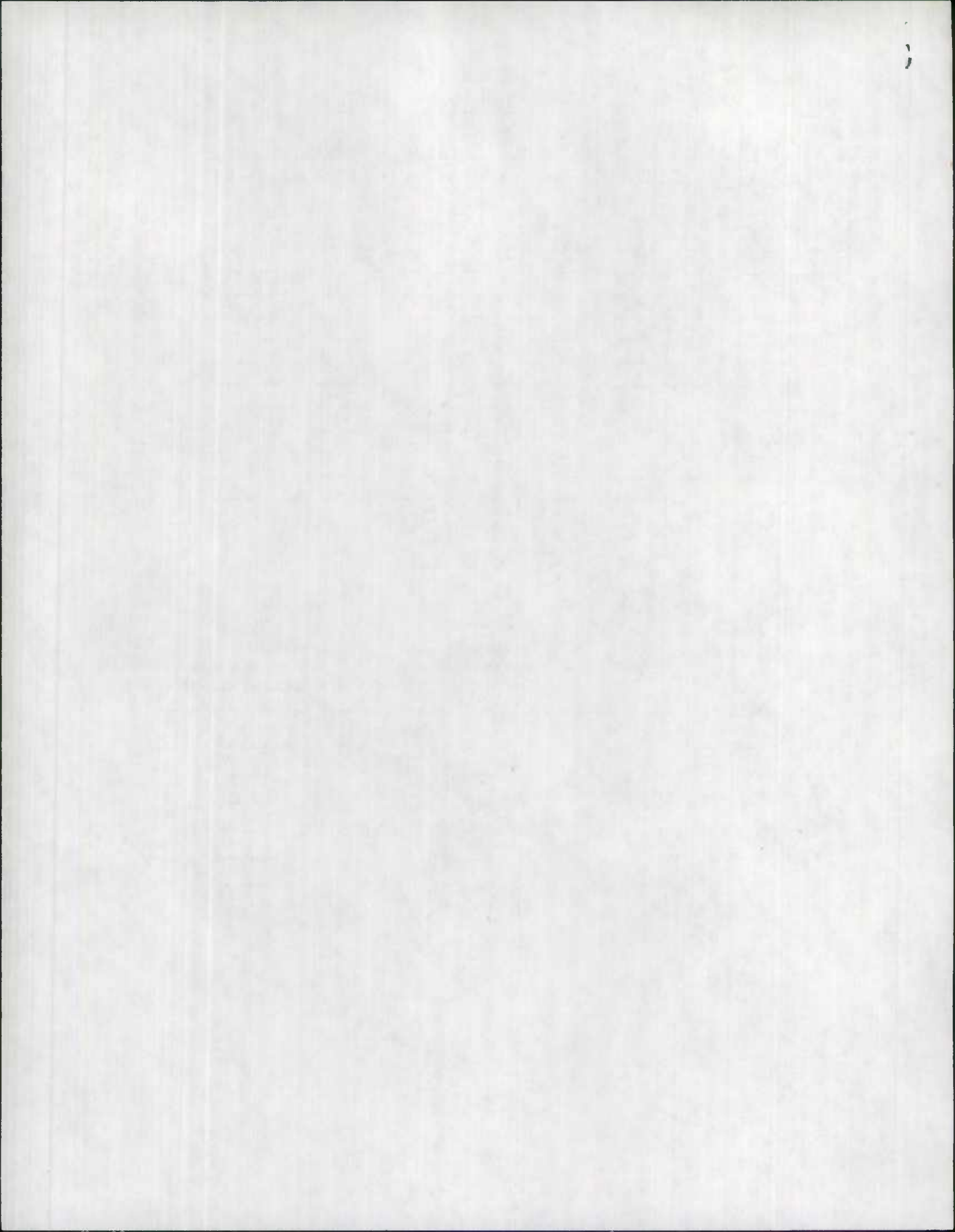
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.22</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	724	+1.2 %	-----
724	1162	.0 %	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.01</u>
b.	0.5-2.4	<u>1</u>	<u>0.14</u>
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

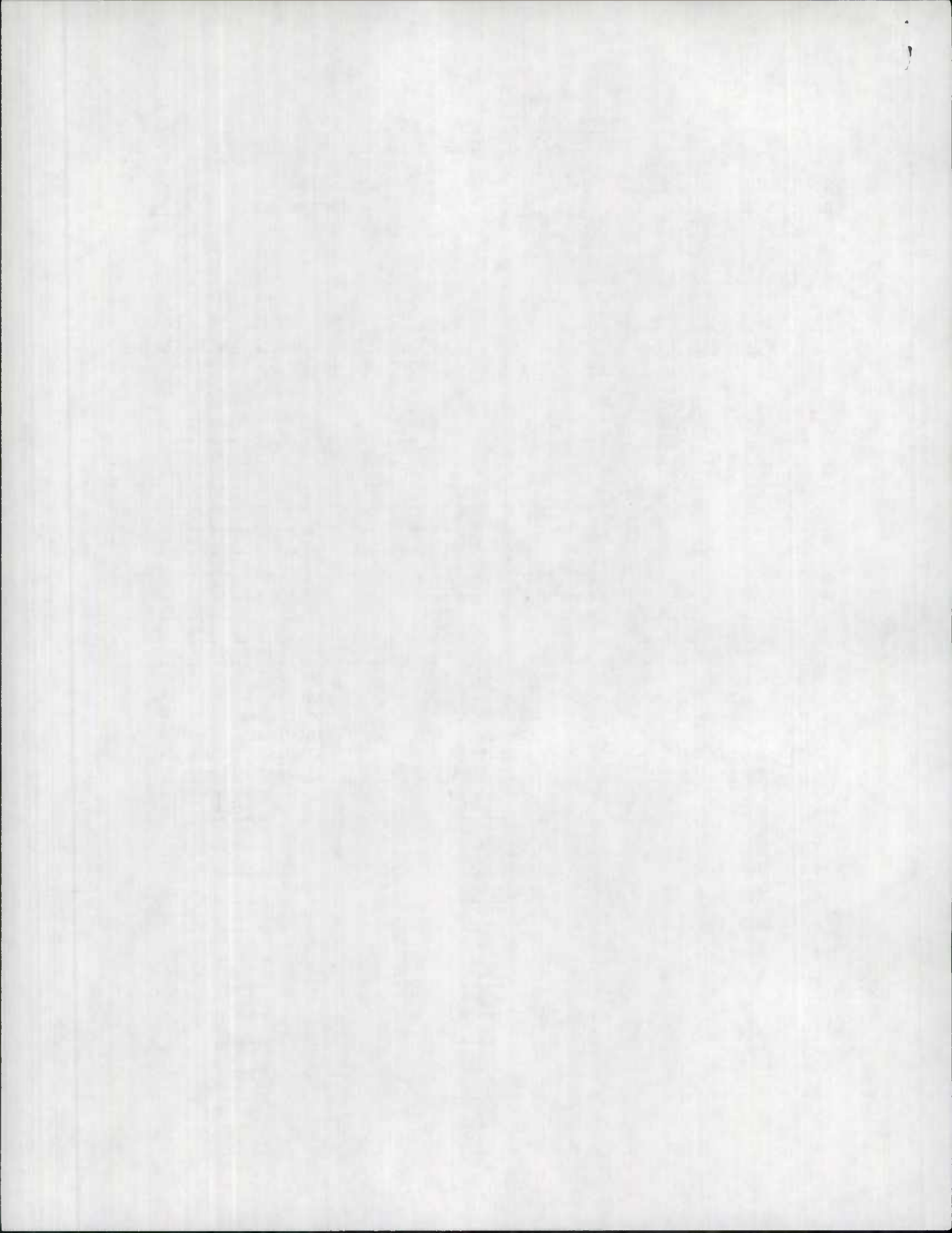
Route No: MU 4290 999
 Sample No: 50
 County: (Baltimore City) 24

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.23
(0.23)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>496</u>	<u>100</u>	<u>0</u>	
<u>496</u>	<u>611</u>	<u>99.6</u>	<u>4.0</u>	
<u>611</u>	<u>1215</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

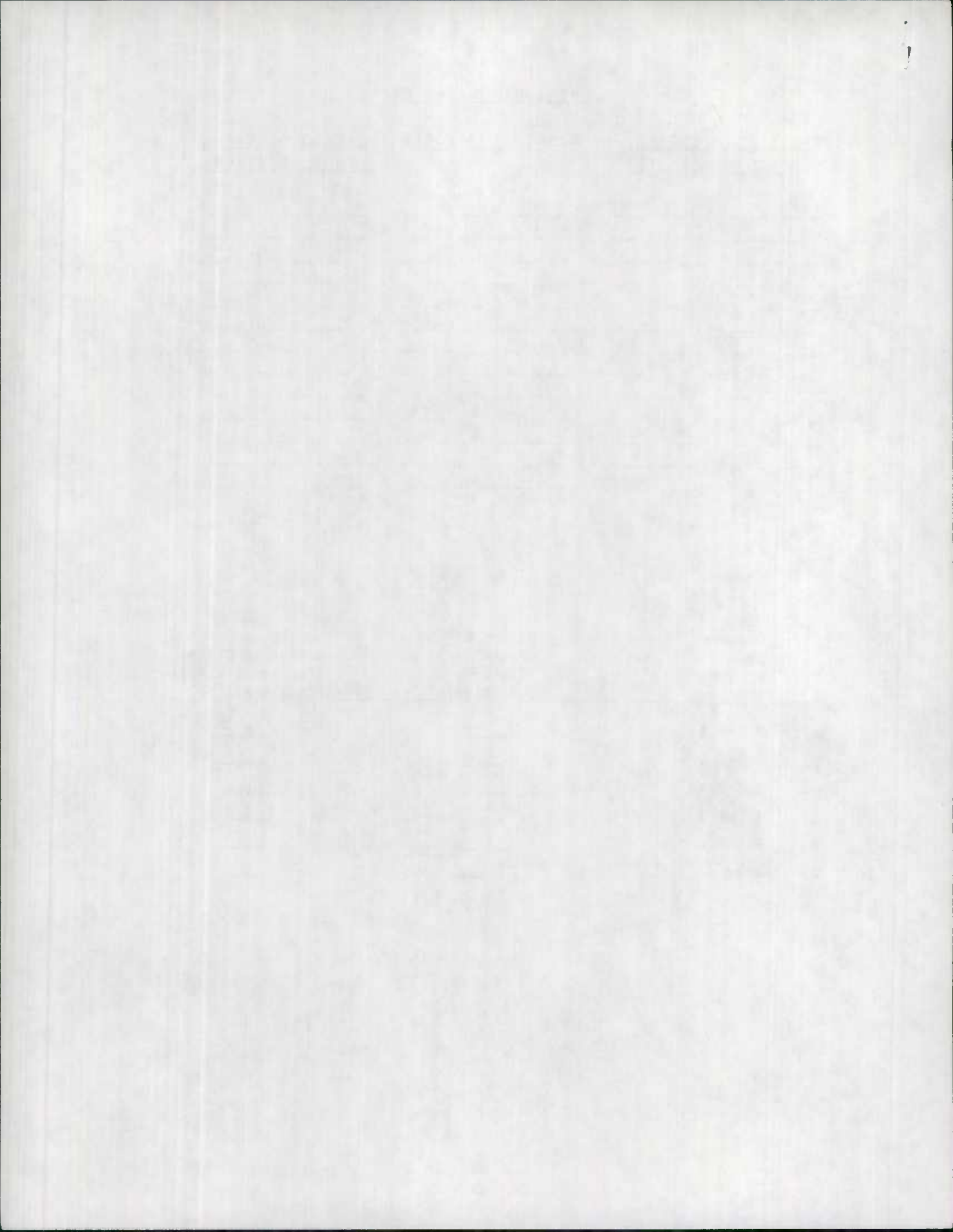
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>0.24</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	<u>1</u>	<u>0.02</u>
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	1315	0%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	1	0.23
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

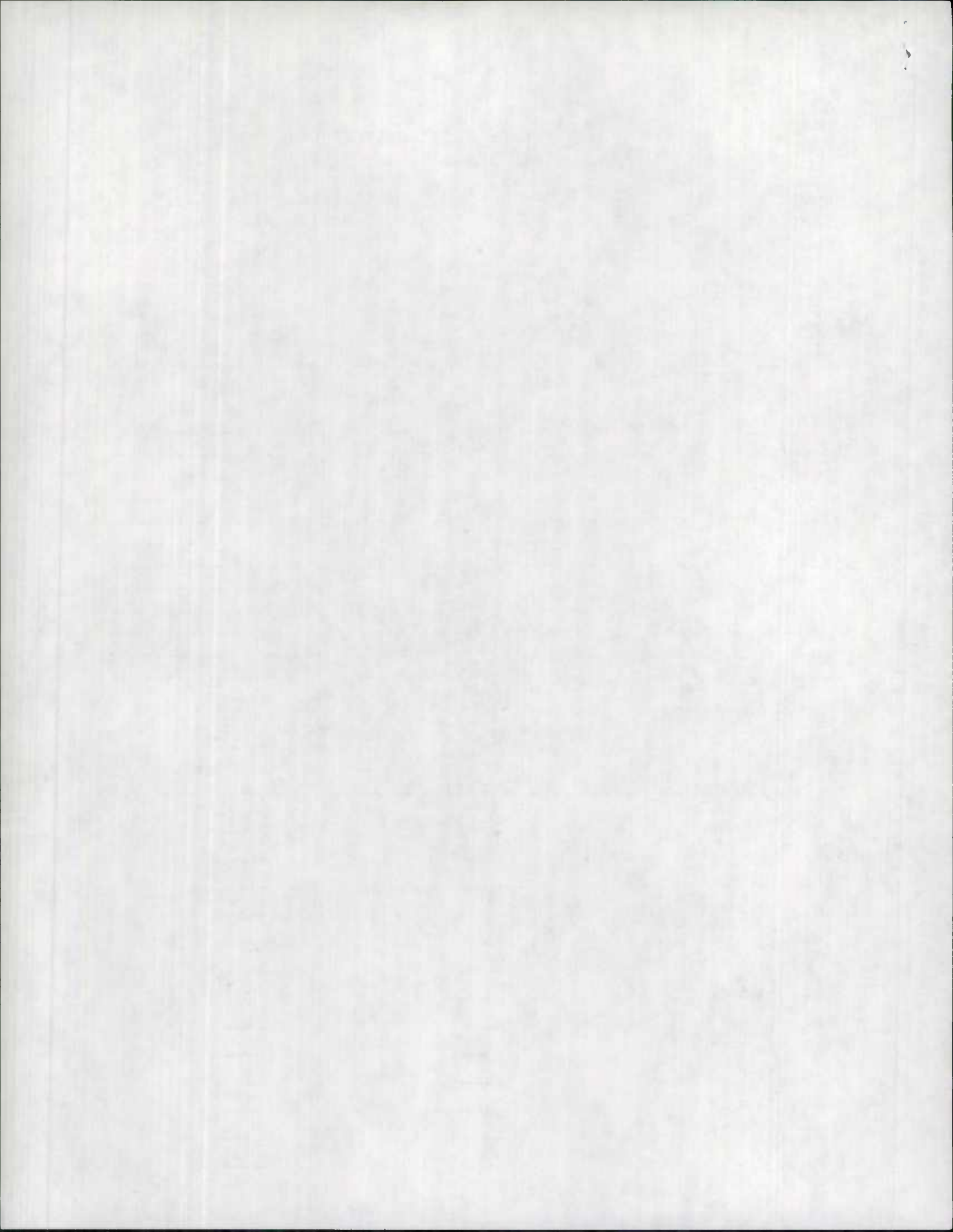
Route No: MU 4342 999
 Sample No: 51
 County: (Baltimore City) 24

Starting Mile Pt: 0.00
 Ending Mile Pt: 0.42
(0.42)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ordi. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1261</u>	<u>100</u>	<u>0</u>	
<u>R 1261</u>	<u>1619</u>	<u>99.9</u>	<u>1.2</u>	
<u>1619</u>	<u>2218</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

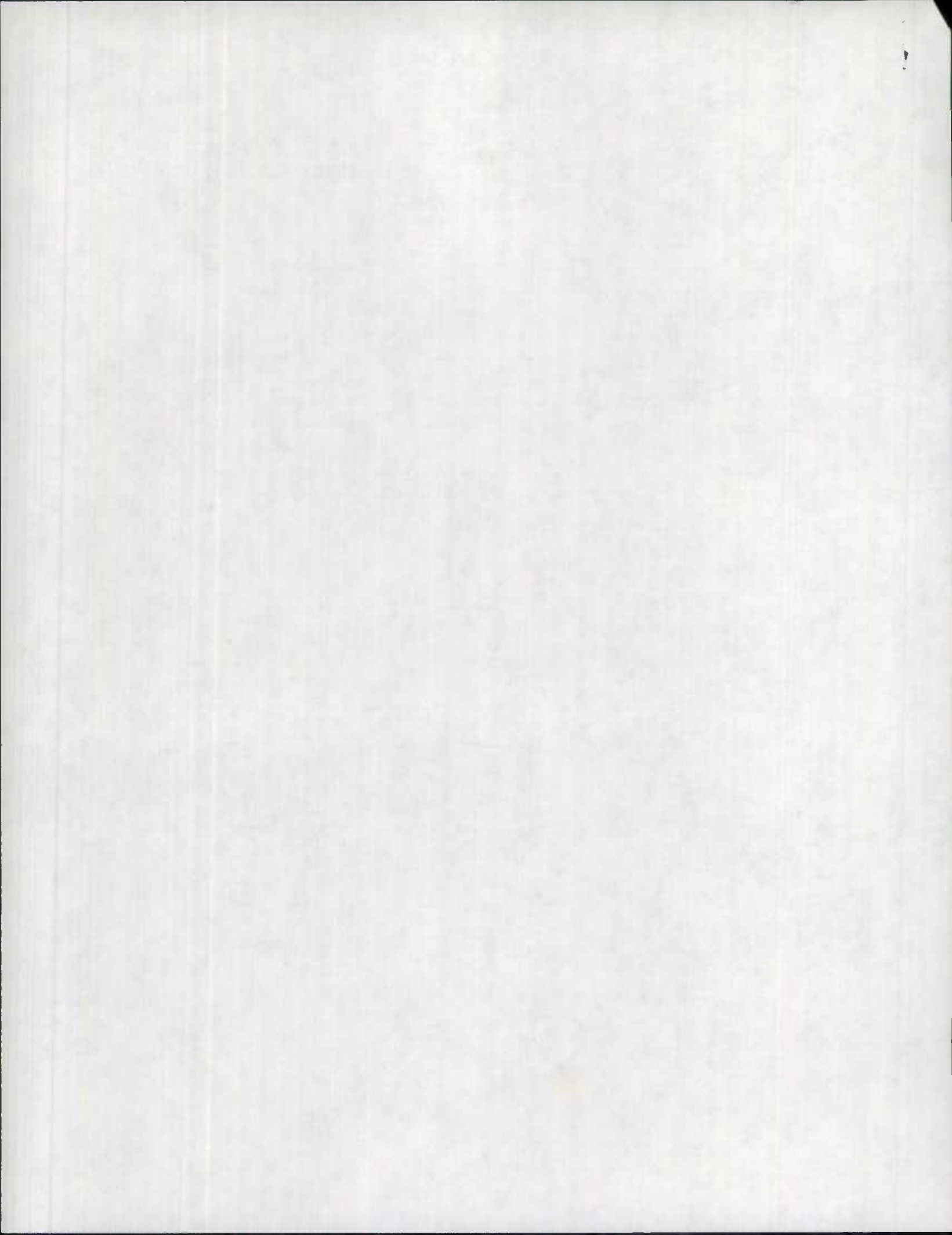
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>2</u>	<u>0.35</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	<u>1</u>	<u>0.07</u>
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
0	2218 2218	0%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.42</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

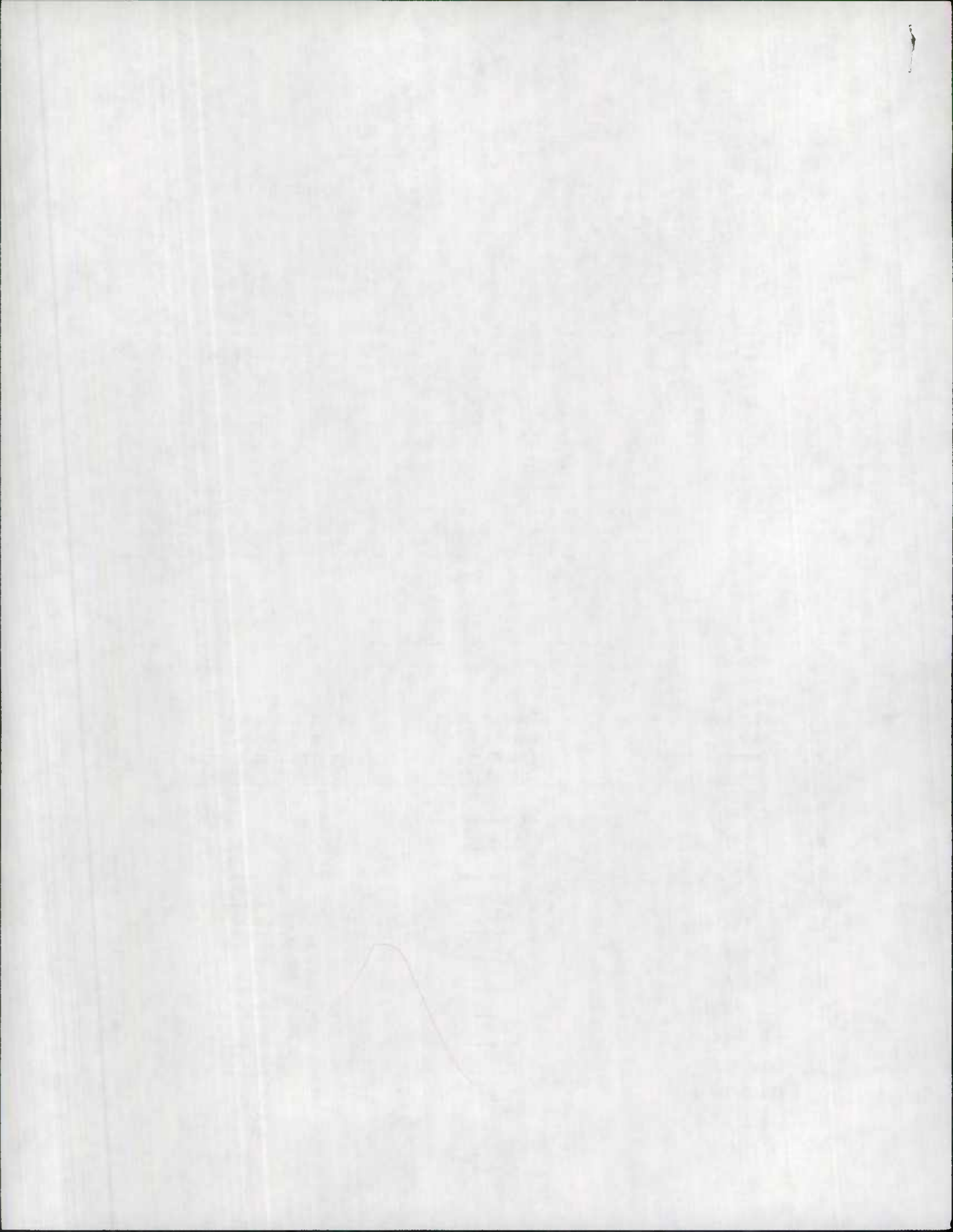
Route No: MU 4635 999
 Sample No: 52
 County: Baltimore city (24)

Starting Mile Pt: 0.20
 Ending Mile Pt: 0.32
(0.32)

Horizontal Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Chord</u> <u>length</u> <u>(/100ft)</u>	<u>Central</u> <u>Ord1. Length</u> <u>(/100ft)</u>	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>1628</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

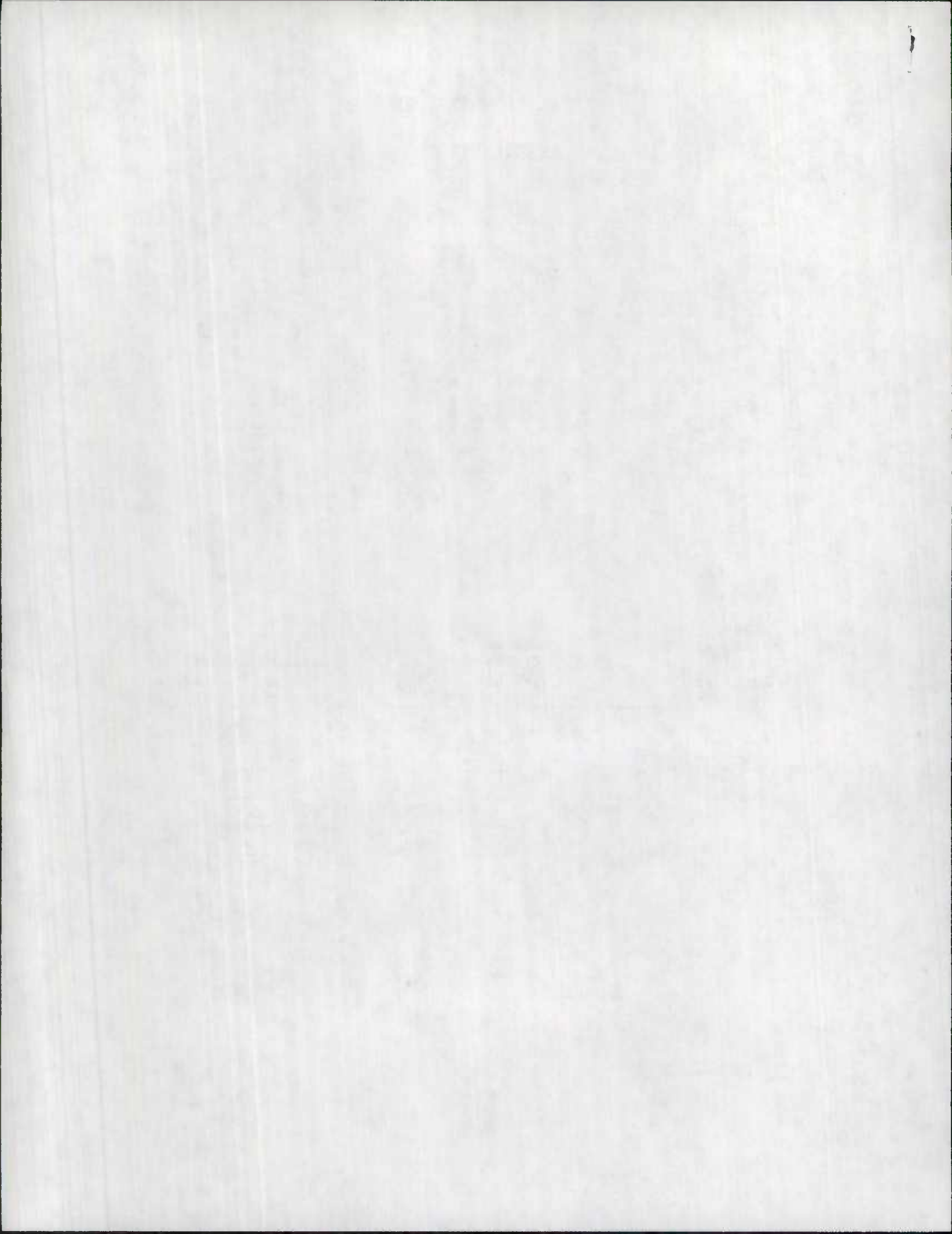
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.32</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> <u>(in ft.)</u>	<u>End Pt.</u> <u>(in ft.)</u>	<u>Gradient Percent</u>	<u>Length of Curve</u> <u>(in x.xx miles)</u>
0	1628	0%	
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.32</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	-----	-----
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

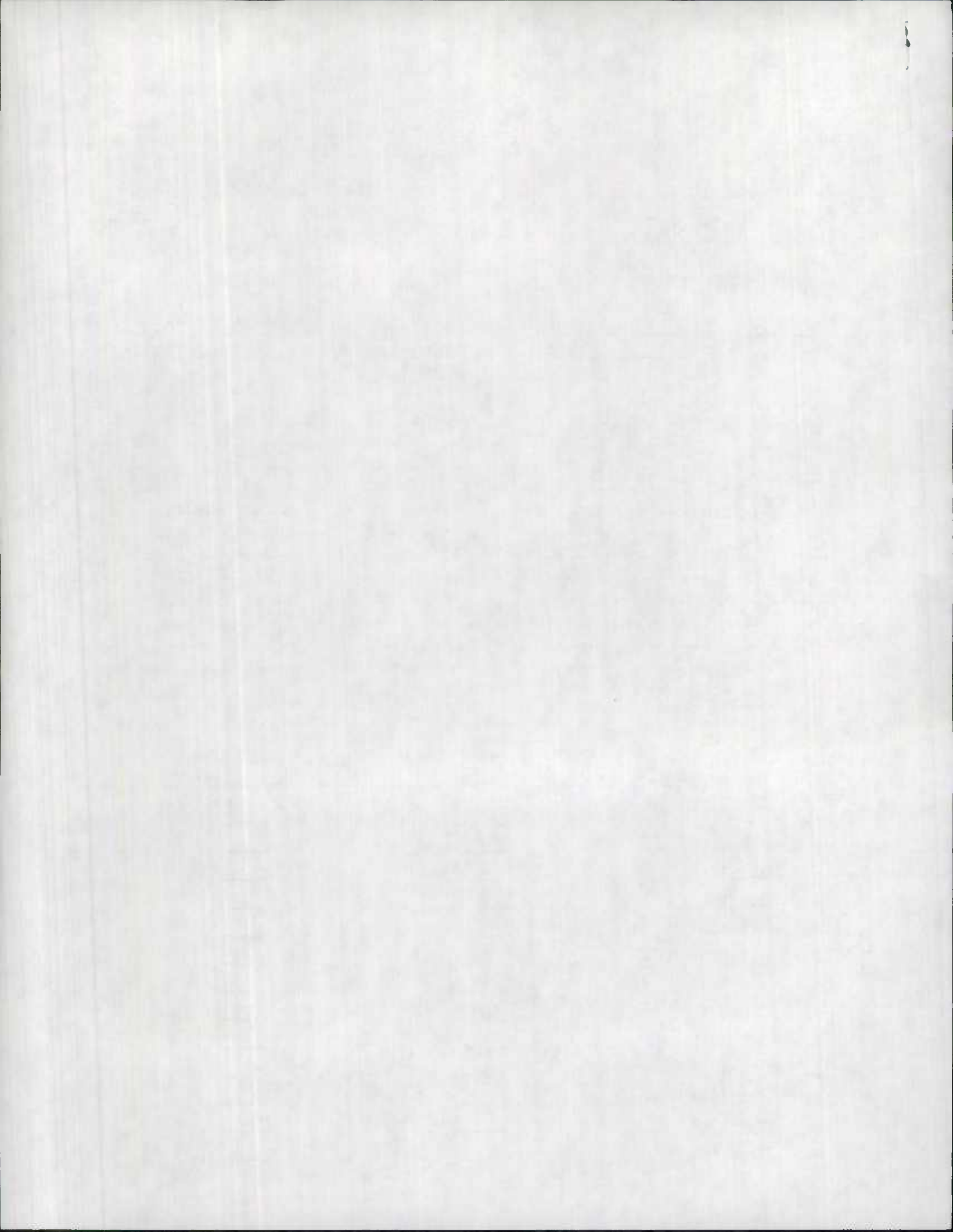
Route No: MU 5850 999
 Sample No: 53
 County: (Baltimore city) 24

Starting Mile Pt: 0.33
 Ending Mile Pt: 0.75
(0.42)

Horizontal Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Chord</u> <u>length</u> (/100ft)	<u>Central</u> <u>Ord. Length</u> (/100ft)	<u>Length of Total</u> <u>Curve in(x.xxmile)</u>
<u>0</u>	<u>2219</u>	<u>100</u>	<u>0</u>	
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

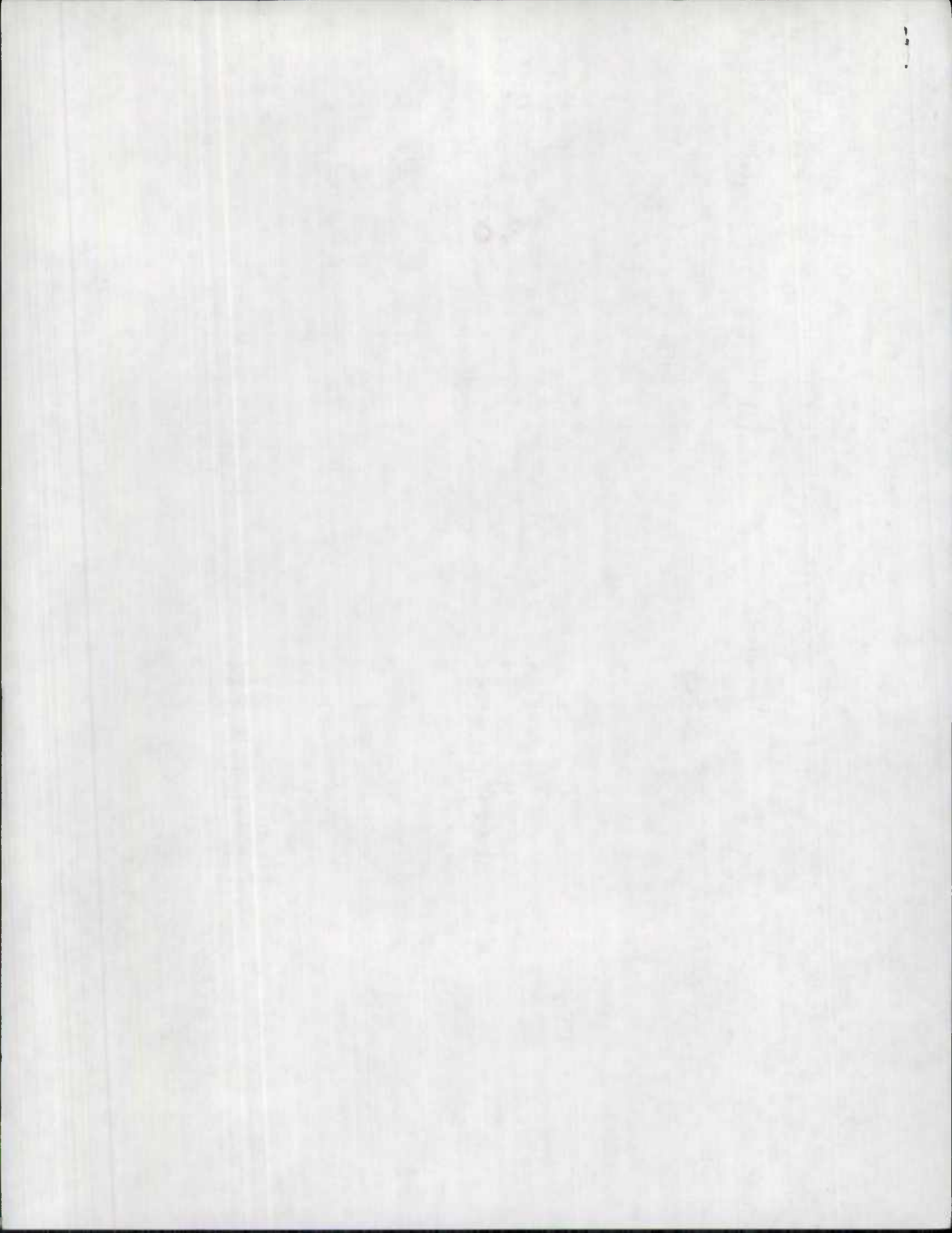
	<u>Curve</u> <u>Classes</u> <u>by</u> <u>Degree of</u> <u>Curvature</u>	<u>Number of</u> <u>Curves</u> <u>(Right-</u> <u>Justified)</u>	<u>Length</u> <u>of Curves</u> <u>in Class</u> <u>(Implied Decimal)</u> <u>(xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.42</u>
b.	0.5-1.4	-----	-----
c.	1.5-2.4	-----	-----
d.	2.5-3.4	-----	-----
e.	3.5-4.4	-----	-----
f.	4.5-5.4	-----	-----
g.	5.5-6.9	-----	-----
h.	7.0-8.4	-----	-----
i.	8.5-10.9	-----	-----
j.	11.0-13.9	-----	-----
k.	14.0-19.4	-----	-----
l.	19.5-27.9	-----	-----
m.	23+	-----	-----



Vertical Curve Section

<u>Start Pt.</u> (in ft.)	<u>End Pt.</u> (in ft.)	<u>Gradient Percent</u>	<u>Length of Curve</u> (in x.xx miles)
<u>0</u> <u>1230</u>	<u>1230</u> <u>2219</u>	<u>0%</u> <u>-3.0%</u>	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

	<u>Grade Classes by Gradient (Percent)</u>	<u>Number of Grades (Right- Justified)</u>	<u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u>
a.	0.0-0.4	<u>1</u>	<u>0.23</u>
b.	0.5-2.4	-----	-----
c.	2.5-4.4	<u>1</u>	<u>0.19</u>
d.	4.5-6.4	-----	-----
e.	6.5-8.4	-----	-----
f.	8.5-	-----	-----



SALISBURY

MU 2523

75.76
88-4

- 8 Revised

MARYLAND STATE HIGHWAY ADMINISTRATION

90-5
1-29-91
1313/TM

ROAD INVENTORY SHEET

Chief BB
FR
REWRITTEN JDE
Supt./Dir. GH 23 / SE
Coordinates 1210 - 192

Road No. CO 268
Road Name N. SCHUMAKER DR
County WICOMICO
Date 9-29-82
Sheet No. 1 OF 2

LINE DIAGRAM

TRAFFIC		LINE DIAGRAM		TRAFFIC		PAVEMENT DATA	
PRG. EST.	COM/ING ACCESS			CONTROL	COM/ING ACCESS	PRG. EST.	
		88-ANNEX	SALISBURY				
		073	SS-3011ex				
			(SHELBOURNE WAY)				
		061	MU 2542-90-5				29'I
		050	TR W 10A IN				17'G
			BRIARCLIFF RD				JC-RT 24ML
		046	MU 255				
		036					24'I
		027	SCHUMAKER WOODS RD				Jcb RT
		023	MU 2529				
			EDGEWATER DR				
			MU 835				
			↑20'				
			014				
			010				
			007				
			000				34'I
			N PARK DR				Jc-c
			MU 2050				
			SCHUMAKER LA				
			CO 267				

