BK. 52 · Dr. 12 A

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan ..... Survey

Eli Road

From Centerville Rd. To De Soto St.

Slope Stakes

Road Acc't. No. .....

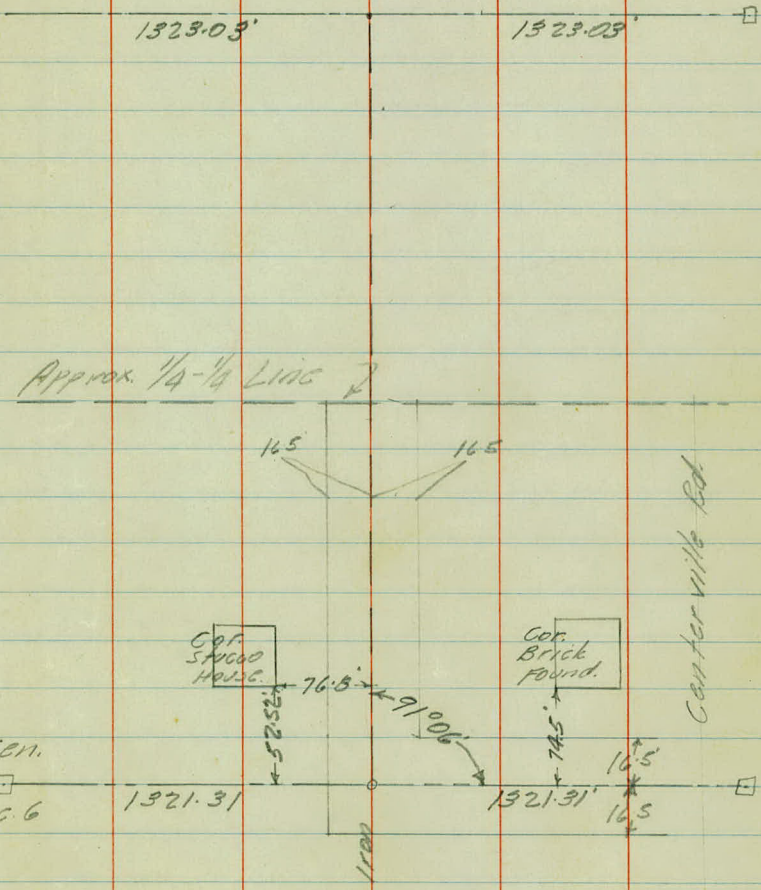
Date Filed 8-4-47 File .....

Nadeau Rd. Alignment 9-29-48

Save File with Eli Rd.

NADEAU RD. - Alignment

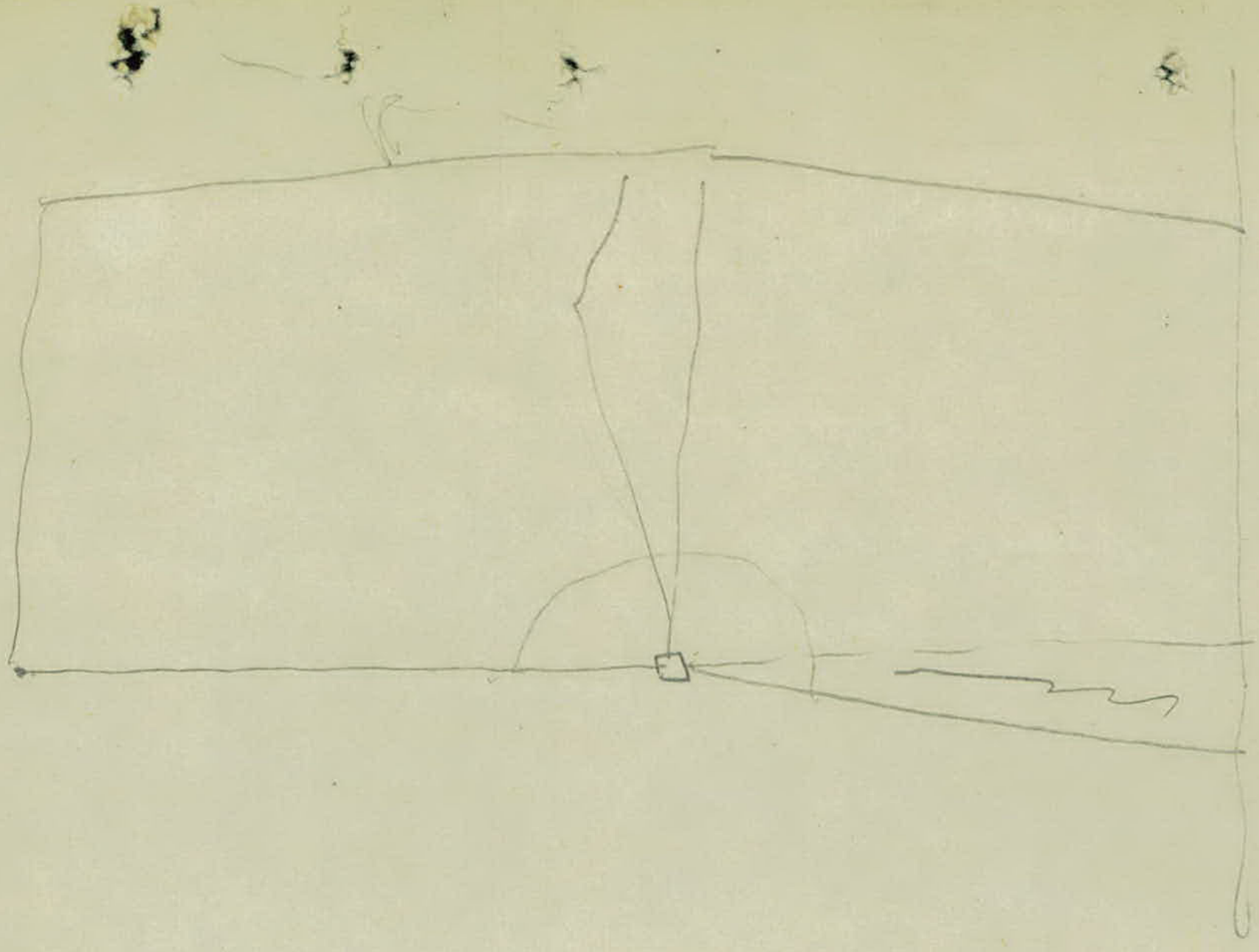
9-29-48 K.A.



Walter:

By shifting this line 0.54'
N at sta. 3+30 and 16+39.06 then
producing this line W to Centerville
road the angle at sta. 3+30 will be
eliminated. This line would still give
36 acres between Eli Rd. & sec. line
to north.

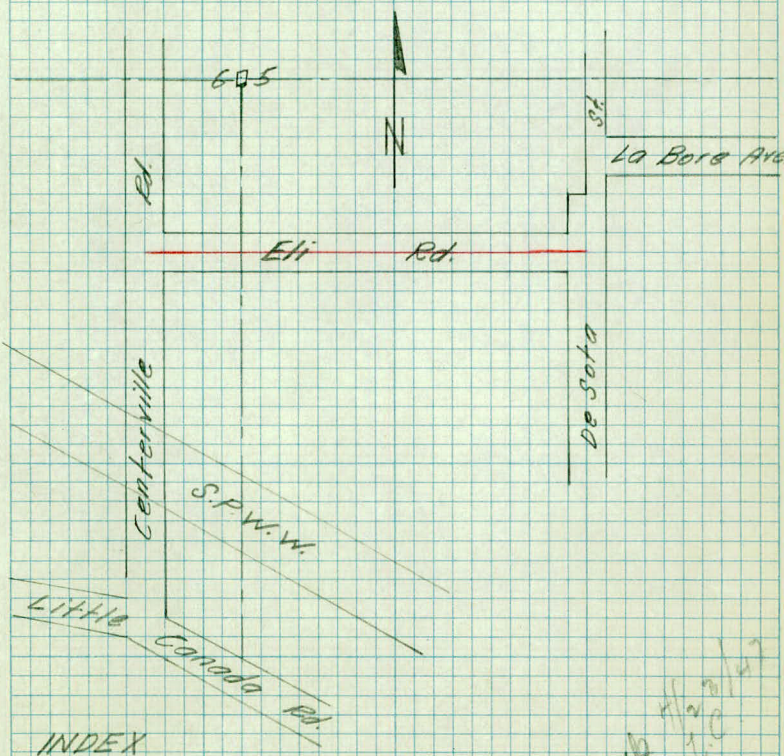
K. A.



PLAN SURVEY

ELI ROAD

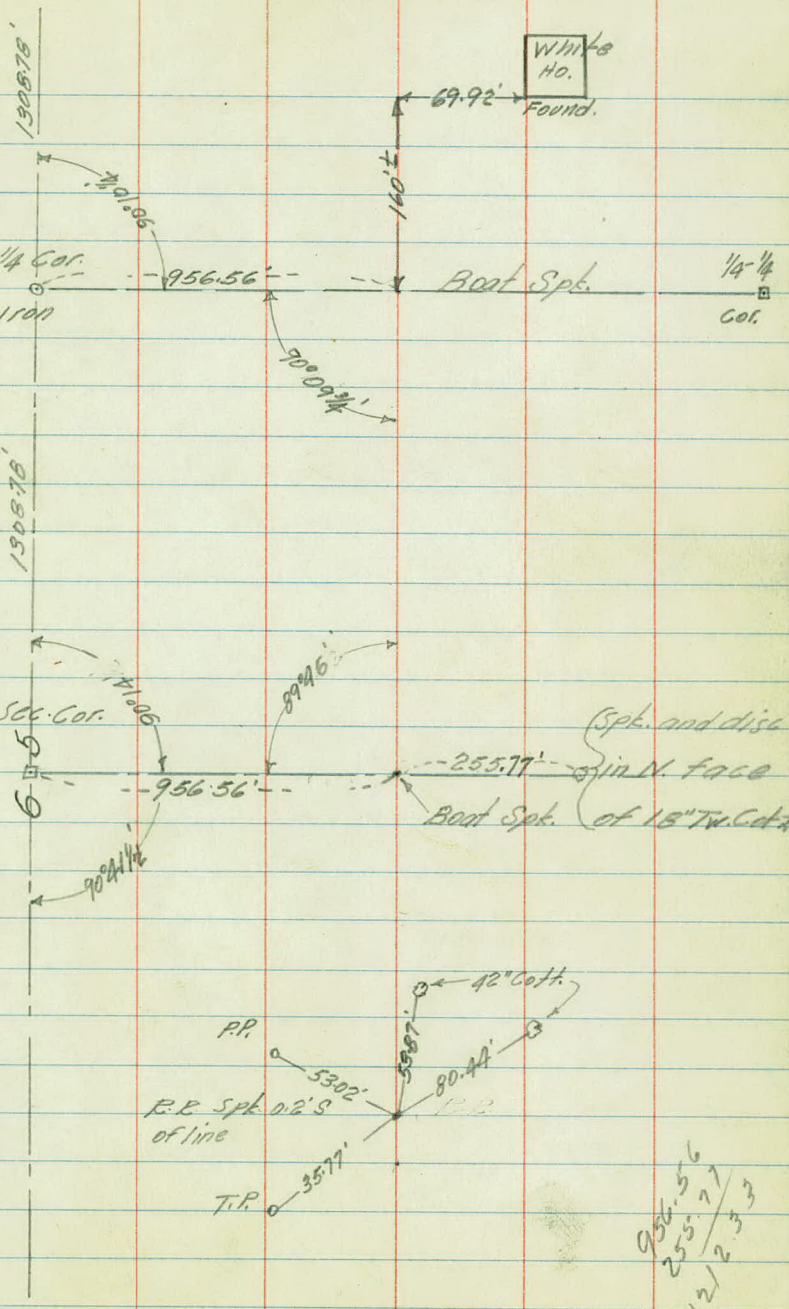
Centerville Rd to De Soto St.



INDEX

Alignment

Sta.	Point	Δ Lt	Δ Rt.
16+39.82	P.O.T. - ℄ De Soto St.		
3 +30.00	P.I.	0°55½"	
0 +16.35 = ℄ Travelled Road			
0 +00 = ℄ Centerville Rd.			



956.56
255.77
12/23

Topography

+95-18"D-11'

+69-Slp-17'

+44-29"D-6'
+19-Slp-15'
+12-18"D-36'

+64-30"D-6'

+35-20"D-6'
+28-24"D-1'

6

+89-Slp-22'

+84-End Fc-9'

5

4

Fc-4'

3

Fc-3'

2

+82-Beg Fc-2'
+08-3"BE-1'

1

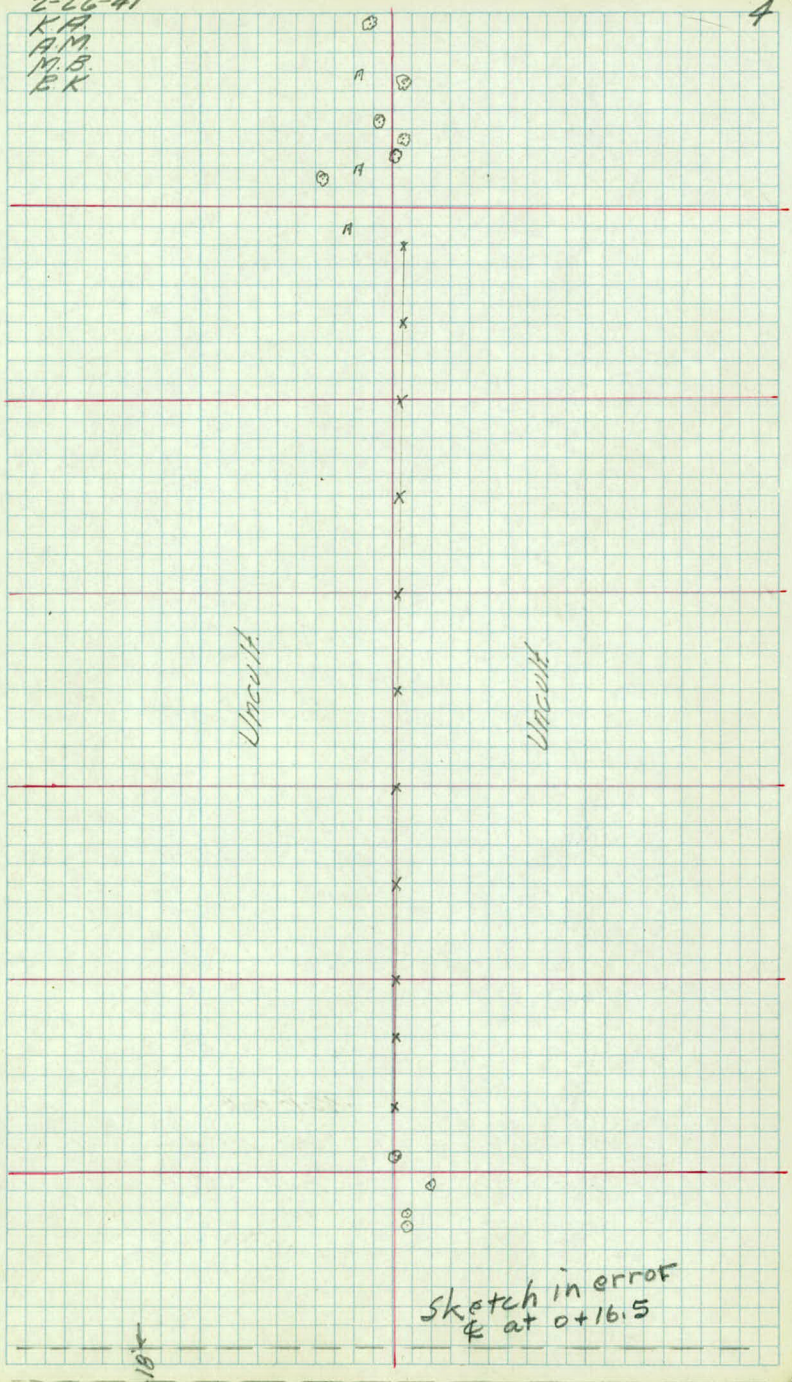
+92-12"D-20'

+79-8"BE-8'
+72-42"Conn-8'

+09-Edge of Bl. Top

0

2-26-41
K.R.
A.M.
M.B.
E.K



13

Fc-15'

12

Fc-14'

11

Fc-13'

10

+49-Bcg. Fc-12'

+13-18"O.-8'

+04-30"O.-3'

+05-10"O.-13'

9

+98-5"Ironwood-13'

+65-16"Tw. O.-6'

+54-12"O-13'

+55-20"O-11'

+46-8"O-1'

+42-10"O-4'

+28-10"O-11'

+26-Stp-2' +22-Stp-6'

+23-6"O.-18' +13-Stp-8'

8

+98-Stp-12'

+99-16"Trip.O-3'

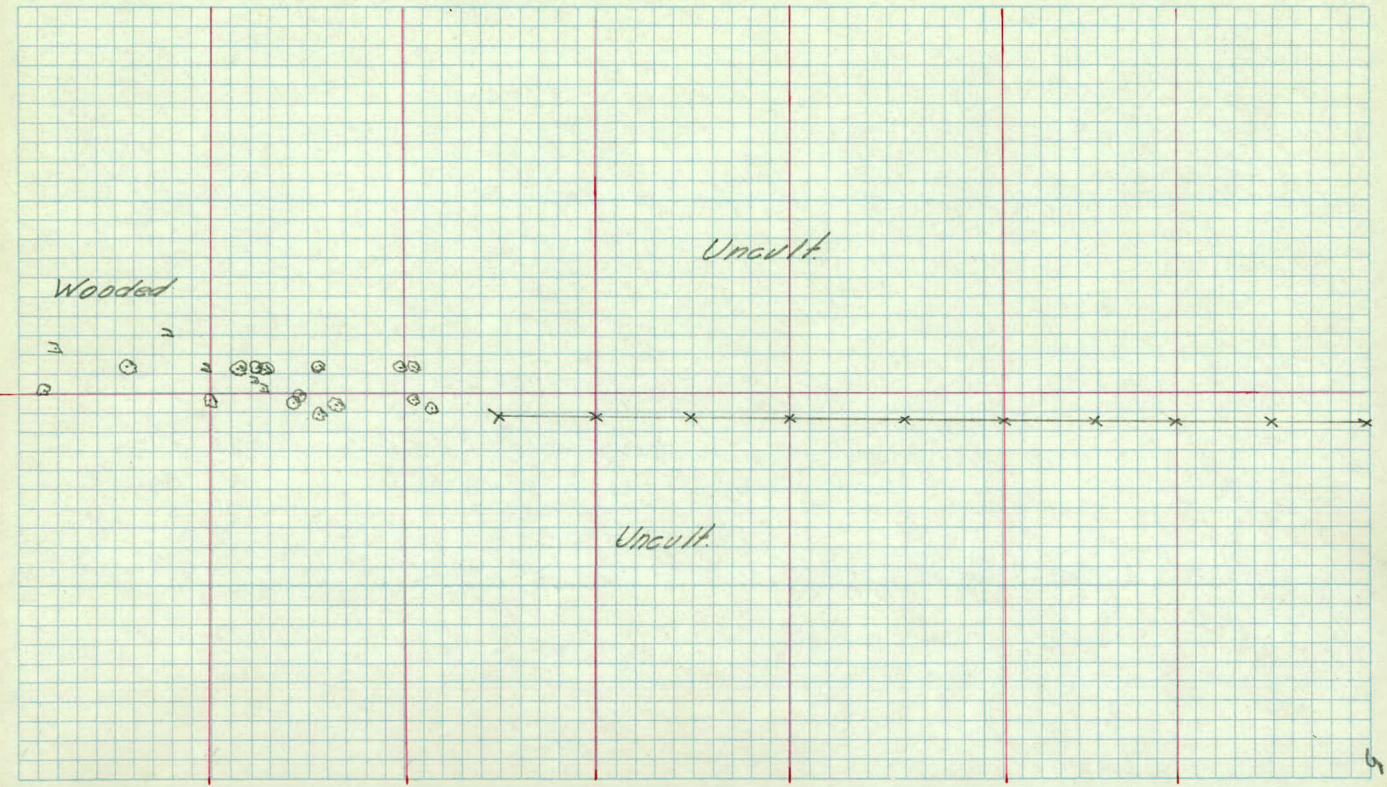
+78-Stp-36'

+56-4"O-14'

7

+19-Stp-22'

+12-30"O-1'


Wooded
Uncult.
Uncult.

16 End Fc-18'

15 Fc-18'

14 Fc.-15


Uncult.
Uncult.

Bench Level

Sta.	+	K	−	E/ev.	
B.M.	1.52	910.92			(909.40)
T.P.	9.20	907.06	13.06	897.86	
B.M.	4.54	911.34	0.26	906.80	
T.P.	11.11	922.46	+0.01	911.35	
B.M.			6.01	916.45	
T.P.	1.87	922.27	2.06	920.40	
T.P.	3.88	920.82	5.33	916.94	
T.P.	2.20	914.97	8.05	912.77	
B.M.			17.52	897.45	
B.M.	4.23	920.68		916.45	
T.P.	0.14	911.08	9.74	910.94	
B.M.	0.17	906.97	4.28	906.80	
T.P.	9.42	911.48	4.91	902.06	
B.M.			2.11	909.37	(909.40)

L E C

Top Mont Center Sec. 5

Spk in P.P. at La Bore Ave. + Vanderbic St. (at De Soto St.)

R.R. Spk. in 15" Leaning B.E. 115' Ft. 16+32

Spk @ sta. 1+00

R.R. Spk. in 42" Coth. S.W. Cor Eli Rd. + Centerville Rd

R.R. Spk in 15" Leaning B.E. 150' S. of Eli Rd + De Soto St.

Spk in P.P. Vanderbic + La Bore Ave.

Top Mont at Cen Sec. 5

X Sections

Sta.	+	=	−	Elev.	
B.M.	17.52	914.97			(897.45)
0+16.5 & Centerville Rd				00.5	
+29				00.2	
+34				98.4	
+42				97.6	
+63				01.8	
+82				11.8	
+93				12.3	
T.P.	8.01	920.72	2.26	912.71	
1				12.2	

2-26-47
K.A.
A.M.
M.B.
E.L.

L C E

B.B. Spk. in 42" Cott. S.E. Cor. Centerville & Eli. Rds.

106 125 145 162 182 ✓
100 50 50 100

128 148 164 ✓
50 50

151 152 166 177 174 ✓
50 24 32 50

142 145 158 160 174 186 197 ✓
50 27 21 7 29 50

76 77 127 192 180 203 ✓
50 38 23 25 50

33 36 65 55 32 58 149 ✓
50 41 23 10 25 50

34 45 40 27 24 23 31 ✓
50 37 28 17 29 50

93 97 92 85 81 88 ✓
50 40 22 27 50

Sta.	+	X	-	Elev.
		920.72		
1	+50			13.4
2				14.5
	+50			15.0
3				15.3
	+50			15.6
4				16.3
	+50			16.2
5				16.3

L E R

8.1 8.1 7.3 7.2 7.9 ✓
50 28 25 50

6.5 6.4 6.2 6.6 6.9 ✓
50 25 28 50

5.5 5.6 5.7 6.3 6.7 ✓
50 24 29 50

5.4 5.3 5.4 5.9 6.4 ✓
50 24 22 50

4.9 5.0 5.1 5.6 5.8 ✓
50 24 24 50

4.7 4.8 4.7 4.4 4.7 5.0 5.2 ✓
50 27 6 9 25 50

4.6 4.8 4.8 4.5 4.5 4.8 4.9 ✓
50 27 5 9 27 50

4.4 4.5 4.4 4.6 4.9 ✓
50 26 24 50

Sta	+	℄	−	Elev.
		920.72		
5	+50			16.7
6				16.8
	+50			16.7
7				16.9
T.P.	4.46	922.66	2.52	918.20
	+50			17.3
8				17.3
9				17.1
10				17.7

L Q P

4.1 4.3 4.0 4.2 4.4 ✓
50 19 24 50

4.0 3.7 4.0 3.9 4.1 4.3 ✓
50 24 9 24 50

4.2 4.2 4.0 3.7 3.8 ✓
50 27 24 50

3.6 3.7 3.8 3.7 4.1 4.2 ✓
50 30 12 18 50

5.3 5.5 5.4 5.1 5.9 6.0 ✓
50 24 13 21 50

5.3 5.4 5.4 5.3 5.8 6.0 ✓
50 25 15 22 80

5.0 5.3 5.6 5.5 5.8 6.3 ✓
50 33 14 28 50

4.6 5.0 5.0 4.9 4.7 6.0 6.4 ✓
50 26 9 13 29 50

Sta.	+	=	−	Elev
		922.66		
11				17.5
12				17.6
13				17.8
T.P.	2.29	923.11	1.84	920.82
14				18.2
15				18.6
16				18.6
+17				18.7
+39.94				19.7
B.M.			6.66	916.45 (916.45)

L C E

4.6 4.8 5.2 5.4 4.2 5.4 5.6 ✓
50 30 8 15 25 50

4.6 4.8 5.1 4.0 5.4 5.5 ✓
50 29 13 25 50

✓

4.4 4.8 4.9 4.6 3.6 5.1 5.8
50 25 9 16 26 50

5.1 5.5 ~~5.8~~ 4.9 4.3 3.5 5.4 6.1 ✓
50 23 ~~7.2~~ 10 16 29 50

4.6 5.0 4.5 4.4 3.8 5.3 6.1 ✓
50 24 10 17 27 50

4.1 4.6 4.5 4.8 4.5 6.0 6.3 ✓
50 26 13 17 29 50

3.3 3.7 4.4 4.3 5.3 5.8 ✓
50 27 16 27 50

2.7 2.5 3.4 4.4 4.8 4.6 ✓
50 28 20 35 50

B.E. Spk. in 15" Leaning B.E. 150' S. of Eli Rd + De Soto St.

Sta	+	x	−	Elev.

L ℄ R

De Soto St.

X Sections

Sta	+	=	−	Elev
B.M.	666	923.11		(916.45)
0	= S. of Eli Rd			12.4
+50				15.7
1				17.7
+50				18.5
2	= ℄ of Eli Rd			19.7
+50				20.9
3				19.5
Profile levels from here on				
4				14.7

L C R

P.F. Spk in Leaning 15" B.E. 150'S. of Eliz'd + DeSoto St.

Slopes South

10.1 9.9 10.7 11.8 11.3
50 20 30 50

7.9 7.5 7.4 9.1 9.5
50 30 10 50

6.4 5.4 6.9 7.7
50 7 30

6.5 5.9 4.6 5.8 6.6 6.3
50 27 9 30 50

3.4 4.5 5.6
11 30

4.2 3.5 2.2 4.1 5.3
50 28 10 50

5.7 5.3 3.6 5.3 6.3 6.9
50 27 8 27 50

9.3 8.4 10.3
50 30

Sta	+	π	-	Elev.
		923.11		
5				13.5
6				11.0
7 +50				08.1
+50 - Approx ℄ La Bore Ave.				06.3

L	C	R
11.0	9.6	12.0
50		50
12.6	12.1	14.0
50		50
15.5	15.0	16.2
50		50
	16.8 16.7	16.6
	50	100

Slope Stakes

Elev. Rod.

Sta	+	∧	−	Elev	G.Rod
B.M	11.94	909.39		897.45	
0+34				00.3	9.1
0+42				00.3	9.1
+63				00.6	8.8
T.P.	10.01	919.40	0.00	909.39	
+82				01.9	17.5
+93				01.5	17.9
1				01.7	17.7
+50				04.6	14.8
2				08.2	11.2

.05 2:1 Slope 15' Top

Ditch Rd | Lt | ℄ | Rt

S.E Cor Centerville + El. Rd

9.6	10.3 F0.7 16.4	C0.5 8.6	9.2 C0.6 16.2
9.6	10.1 F0.5 16.0	C1.2 7.9	8.2 C1.4 17.8
9.3	11.0 C5.3 25.6	C3.2 15.6	4.0 C5.3 25.6
18.0	11.2 C6.8 28.6	C3.9 13.6	9.6 C8.4 31.8
18.4	9.2 C9.2 33.0	C5.2 12.7	7.2 C10.7 33.0
18.2	8.4 C9.8 33.0	C6.1 11.6	7.0 C11.2 33.0
15.3	7.0 C8.3 31.6	C8.0 6.8	6.1 C9.2 33.0
11.7	5.2 C6.5 33.0	C6.4 4.8	5.4 C6.2 33.0

Sta	+	↗ 919.40	−	Elev	G. Rod	
2+50				11.3	8.1	●
3				13.6	5.8	●
+50				15.0	4.4	●
4				15.5	3.9 4.4	
+50				15.6	3.8 4.3	
						●
5				15.7	3.7	
						●
+50				15.8	4.1	
						●
6				15.8	4.1	
T.P.	4.38	921.53	2.25	917.15		

Ditch Rod	Lt	Ø	Rt
86	4.3 C 4.3 23.2	C3.5 4.6	5.0 C3.6 22.2
63	4.1 C 2.2 19.4	C1.7 4.1	4.5 C1.8 18.6
49	3.9 C1.0 17.0	C0.6 3.8	4.2 C0.7 16.4
44	3.6 C0.8 16.6	C0.7 3.2	3.5 C0.9 16.8
43	3.6 C0.8 16.6	C0.6 3.2	3.4 C0.9 16.8
42	3.4 C1.0 17.0	C0.5 3.2	3.3 C0.7 16.8
41	3.1 C1.0 17.0	C0.8 2.8	2.7 C1.4 17.8
41	2.8 C1.3 17.6	C1.0 2.6	2.8 C1.3 17.6

Sta	+	X	-	Elev	G. Rod
		921.53			
6+50				15.9	5.6
7				16.0	5.5
+50				16.1	5.4
8				16.1	5.4
+50				16.2	5.3
9				16.3	5.2
T.P	3.15	922.57	2.41	918.92	
+50				16.3	6.3
10				16.4	6.2

Ditch Rod

	Lt	℄	Rt
6.1	4.9 C1.2 17.4	C0.7 4.9	5.0 C1.1 17.2
6.0	4.6 C1.4 17.8	C0.8 4.7	5.0 C1.0 17.0
5.9	4.6 C1.3 17.6	C1.1 4.3	4.7 C1.2 17.4
5.9	4.6 C1.3 17.6	C0.5 4.9	4.6 C1.3 17.6
5.8	4.8 C1.0 17.0	C0.6 4.9	5.0 C0.8 16.6
5.7	4.9 C0.8 16.4	C0.8 4.4	5.0 C0.7 16.4

Spk in 18" Oak 60' Lt Sta 9+00

6.8	5.3 C1.5 18.0	C0.7 5.1	5.9 C0.9 16.8
6.7	5.1 C1.6 18.2	C1.2 5.0	5.3 C1.4 17.8

Sta	+	HI	−	Elev	
		922.57			
10+50				16.5	6.1
11				16.6	6.0
+50				16.6	6.0
12				16.7	5.9
+50				16.8	5.8
13				16.9	5.7
B.M	6.54	922.99	6.12	916.45	
+50				16.9	6.1
14				17.0	6.0

	Lt	℄	Rt
6.6	5.2 C1.4 17.8	C0.8 5.3	4.9 C1.7 18.4
6.5	5.0 C1.5 18.0	C0.2 5.4	4.9 1.6 18.2
6.5	5.0 C1.5 18.0	C1.0 5.0	4.6 C1.9 18.8
6.4	5.0 C1.4 17.8	C0.9 5.0	4.8 C1.6 18.2
6.3	5.1 C1.2 17.4	C0.8 5.1	4.1 C2.2 19.4
6.2	4.7 C1.5 18.0	C0.7 5.0	4.1 C1.1 19.2
15" B.E	15.0' Rt El. Rd		
6.6	5.1 C1.5 18.0	C1.2 4.9	4.3 C2.3 19.6
6.5	5.3 C1.2 17.4	C1.2 4.8	4.2 C2.3 19.6

Sta	+	H	-	Elev	G.R
		922.99			
14+00				17.1	5.9
15				17.2	5.8
+50				17.2	5.8
16				17.3	5.7
+17				17.4	5.6
+39.96				17.4	8.6
B.M			6.54	916.45	

	Lt	℄	Rt
6.4	5.2 C1.2 17.4	C1.3 4.6	4.3 C2.1 19.2
6.3	5.0 C1.3 17.6	C1.2 4.6	4.7 C2.1 19.2
6.3	4.9 C1.4 17.8	C1.1 4.7	4.3 C2.3 19.0
6.2	4.4 C1.8 18.6	C1.3 4.4	4.8 C1.4 17.8
6.1			
6.1		C2.3 3.3	4.3 C1.8 18.2

R.R. Spk in 15" Leaning B.E. 150' So of Eli Rd & Desoto St

August 4, 1961 1

Eli Road

Profile

4 pages

drawn up on drawing #6605

8-28-61 R.C.

Sta	+	↑	−	Elev.	
BM	11.30	911.56 ~~111.30~~			900.26 ~~100.00~~
0+00			11.4	00.20 ~~99.90~~	
+16			11.1	00.5 ~~100.2~~	
+26			11.1	00.5 ~~100.2~~	
+50			9.5	02.1 ~~101.8~~	
+75			6.9	04.7 ~~104.4~~	
1			4.5	07.1 ~~106.8~~	
+50			0.4	11.2 ~~110.9~~	
T.P.	10.64	920.86 ~~120.60~~	1.34	910.22 ~~109.96~~	
+69					
2			7.1	13.8 ~~113.5~~	

FK
WM
BZ

August 4, 1961 2

Top N. End Culvert N.E. Cor
Centerville Rd & Eli Road

℄ Centerville Rd

Gutter Line

13.50

7.36
Apron at
Garage
58' Lt

912.66

8.20
℄ Apron
Conc Lt
30' Lt

Sta	+	↑ 920.86 ~~920.60~~	−	Elev.
2+50			6.0	14.9 ~~14.6~~
3			5.1	15.8 ~~15.5~~
+50			4.8	16.1 ~~15.8~~
4			4.8	16.1 ~~15.8~~
+50			4.8	16.1 ~~15.8~~
5			4.6	16.3 ~~16.0~~
+50			4.2	16.7 ~~16.4~~
6			4.2	16.7 ~~16.4~~
+50			4.3	16.6 ~~16.3~~
7			4.2	16.7 ~~16.4~~

Sta	+	↑	−	Elev
		920.86 ~~+20.60~~		
7+50			4.1	16.8 ~~16.5~~
8			4.0	16.9 ~~16.6~~
+50			4.0	16.9 ~~16.6~~
9			4.1	16.8 ~~16.5~~
+50			3.9	17.0 ~~16.7~~
10			3.5	17.4 ~~17.1~~ 900 2 6 917.36
+50			3.4	17.5 ~~17.2~~
11			3.5	17.4 ~~17.1~~
+50			3.3	17.6 ~~17.3~~
12			3.1	17.8 ~~17.5~~

Sta	+	~~120.60~~ 920.86	−	Elev.
12+50			2.9	~~17.7~~ 18.0
13			2.9	~~17.7~~ 18.0

August 24, 1961 5

9 41
319 48
6 .7

Bench Levels

Sta	+	℄	−	Elev.	
BM	6.28	922.73			(916.45)
	0.84	922.30	1.27	921.46	
		18.92			
BM		3.38	3.38	918.82	(918.92)
10			4.98	917.32	
BM	2.00	921.98	2.32	919.98	
TP	3.15	919.68	5.45	916.53	
			7.04	912.64	
TP	1.35	909.69	11.34	908.34	
BM			9.43	900.26	

1+60 S.W. Cor Garage 58'1

FR
WM
BZ
DF

August 24, 1961

Spike in Leaning 15" BE 150' S of Eli Rd at Desoto

Spike in 18" Oak 60' Lt sta 9+00

S.W. Cor Lower Step Ho # 421 Eli Rd

Nail in Transformer PP sta 4+50±

Conc. Ent Slab Lt sta 1+69

Top N. End Culvert N.E. Cor Centerville & Eli

3.41
3.3
.14

E 40 W N 22 S

Eli Road

Staking

Sta	PG	PGR	DGR -	Elev	
BM	13.74	914.00			900.26
0+55	00.55	13.45	14.0 / 13.2 / 6.5	2.8	
1	4.75	9.25	9.75 / 8.45 / 7.3		
	06.86				8.6 / 17.2
+50	8.87	6.13	6.63		
TP	6.40	920.17	0.23	913.77	
+75	10.58				
2	12.00	8.17	8.67		
+25	13.26				
+50	14.3	5.9	6.4		
+75	15.3 ✓				
3	15.50 ✓	4.67	5.2		
+50	15.63	4.54			
4	15.75	4.42			
+50		4.29			

FK
WM
MMc.

Sept 26, 1961
Clear Cool 58°

Top N. End Culvert NE Cor Centerville.

7.5
℄ 6.5
28.

11.2
℄ 2.8
20.6

2.45
℄ 7.3
29.6

1.3
℄ 5.3
25.6

0.4
℄ 6.2
27.4

1.45
℄ 8.3
31.6

6.0
℄ 2.7
28.4

5.8
℄ 2.0
20.8

5.3
℄ 1.1
12.2
15.5°

5.2
℄ 1.2
17.4

4.3 4.67
℄ 1.0 ℄ Gr

~~5.2~~ 4.67
~~℄~~ ℄ Gr
~~℄ Grade~~

✓

✓

✓

✓

✓

Sta	PG	PGR	-	Elev.	
		920.17			
5	16.00	4.17			
+50		4.04			
6	16.25	3.92			
BM	5.53	922.06	3.64	916.53	916.53
+50	16.37	5.69			
7	16.50	5.56			
+50	16.63	5.43			
8	16.75	5.31			
+50		5.18			
9	17.00	5.06			

20' Lt 20' Rt

✓ ✓

✓ ✓

✓ ✓

Nail in PP Lt Sta 4+50± Transformer Pole

✓ ✓

4.56 ✓
C1.0

4.43 C1.0 ✓

✓ ✓

4.18 ✓
C1.0

✓ ✓

Sta	PG	PGR	-	Elev.
		922.06		
9+50	17.13	4.93		
	4.23	922.36	3.93	918.13
10	17.25	5.11		
+50		4.98		
11	17.50	4.86		
+50		4.73		
12	17.75	4.61		
+50				
13	18.00			
+50				

£

2021 2021

Sta	PG	FGR	DGR		
	13.21	913.47			900.26
0+55	00.55	12.92	13.42		
			13.9		
1	4.75	9.72	10.22		
+50	8.87	4.60	5.1		05
2	12.0	1.47	1.97		
		5	25		
TP	7.15	920.19	0.43	913.04	
		919.85			
+50	14.1	5.75	6.25		
		7.85	8.35		
			4.34	915.85	
3	15.0	4.85	5.35		
		5			
+50	15.25	4.60	5.10		
4	15.50	4.35	4.85		
+50	15.75	4.10	4.60		
		3.85	4.35		
5	16.0				
		919.85	3.32	916.82	916.53

12.2, 10.2
C2.0

12.9

12.9 135
12 Gr

8.7
C1.0

9.8
Gr

46
Gr

46
Gr

0.72
C1.0

Gr

5.25
C1.0

5.25
C1.0

✓

✓

C1.0

C1.8

C1.0

C1.0

Gr