

Dr. 8 - Bk 140

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN. Survey

BELLAIRE AVE

From Co. Rd. "D" To $\frac{1}{4}$ Mi. So.

Road Acc't. No.

Date Filed.....

File.....

Plan

Bellaire Ave.

From "4" line 1425.08'
South of County Road "D"
to County Road "D"

4/22/38

CR RD D 1/4 Mi. So.

Angle

Sta.	Point	Lt.	Rt.
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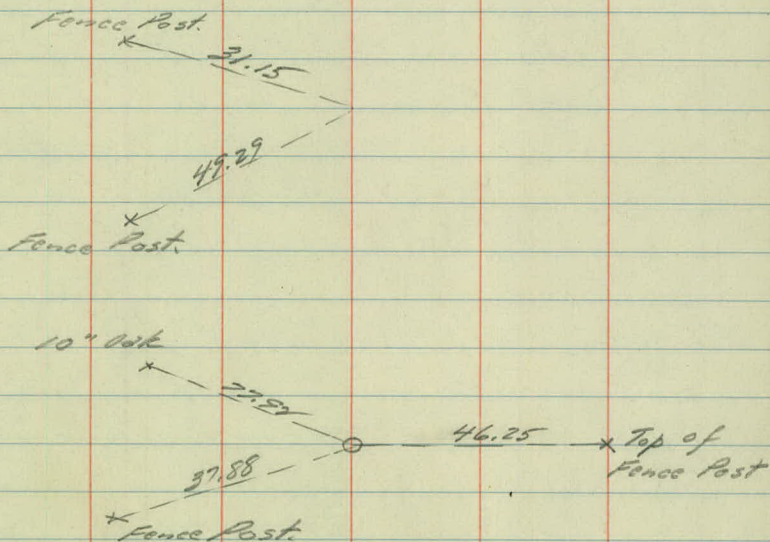
14+25.08	P.O.T.		
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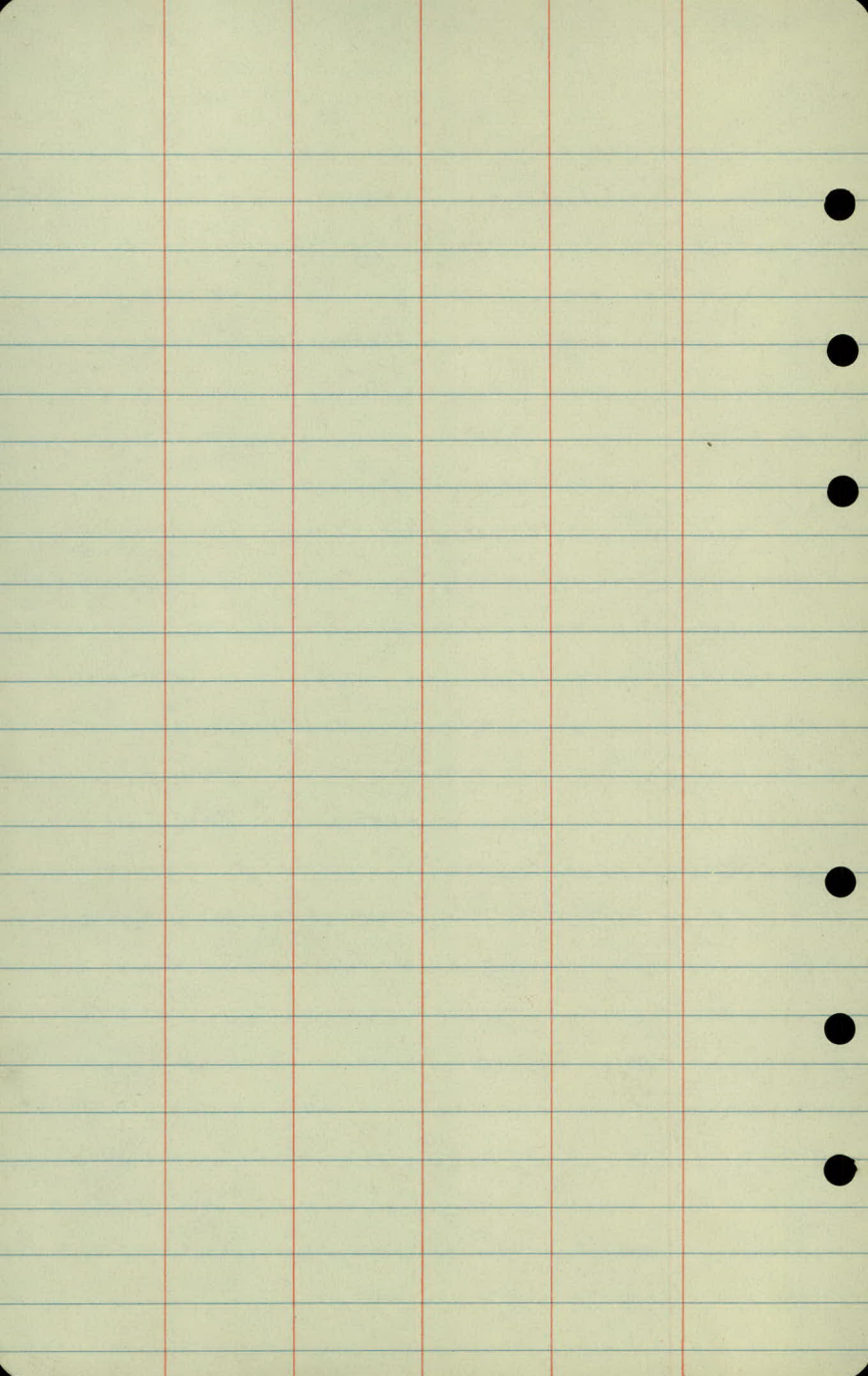
2+33.5	P.O.T.		
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0+00	P.O.T.		
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Stone Mon.

Use existing ties.





Nor Th →

Co. Rd. "D"

Stone Monument

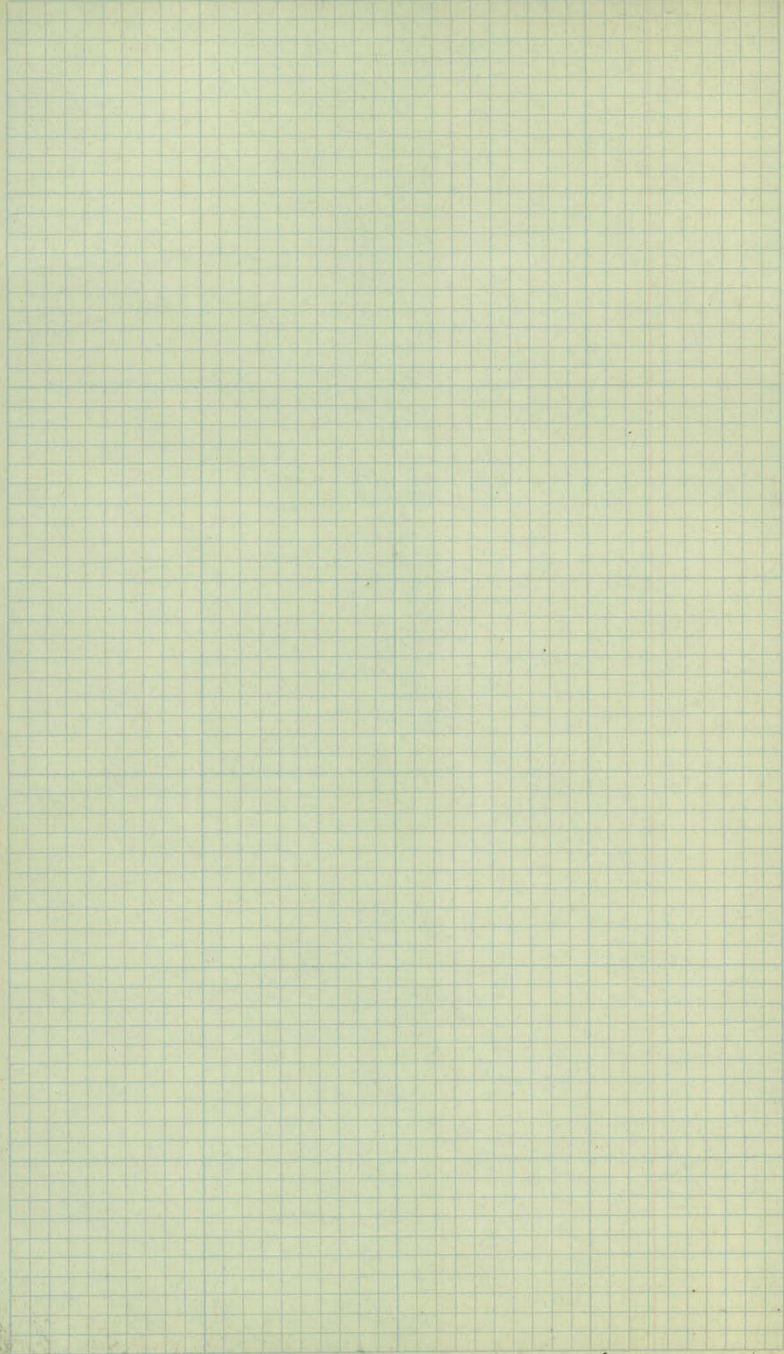
Sta 0+00 →

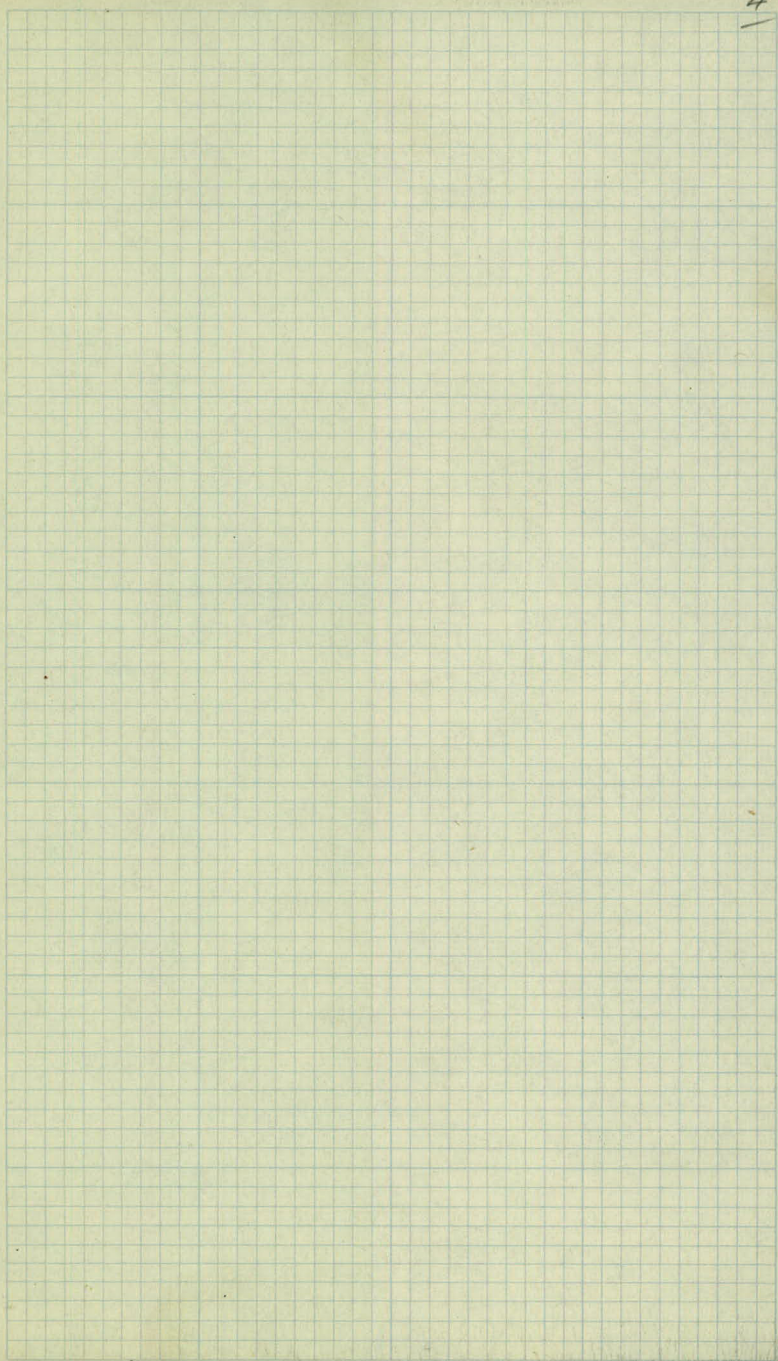
1425.08
2743.88
1318.80

1/4" Line

Iron Pin 2"

Section 1
T.29 N. - R.22 W.





6.

13 14

5

13 11

4

14 11

Good

3

14 11

From 182

2

14 11

Old

1

15 11

0+00

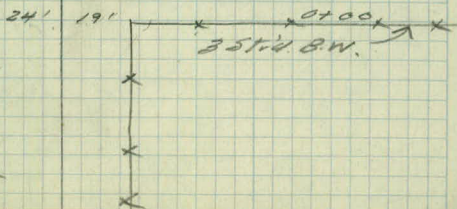
14 14

Cultivated

35 ft. B.W.



Cultivated



13

12 11

12

12 12

11

Good

12 11

10

Good

12 11

9

Good

12 11

8

12 11

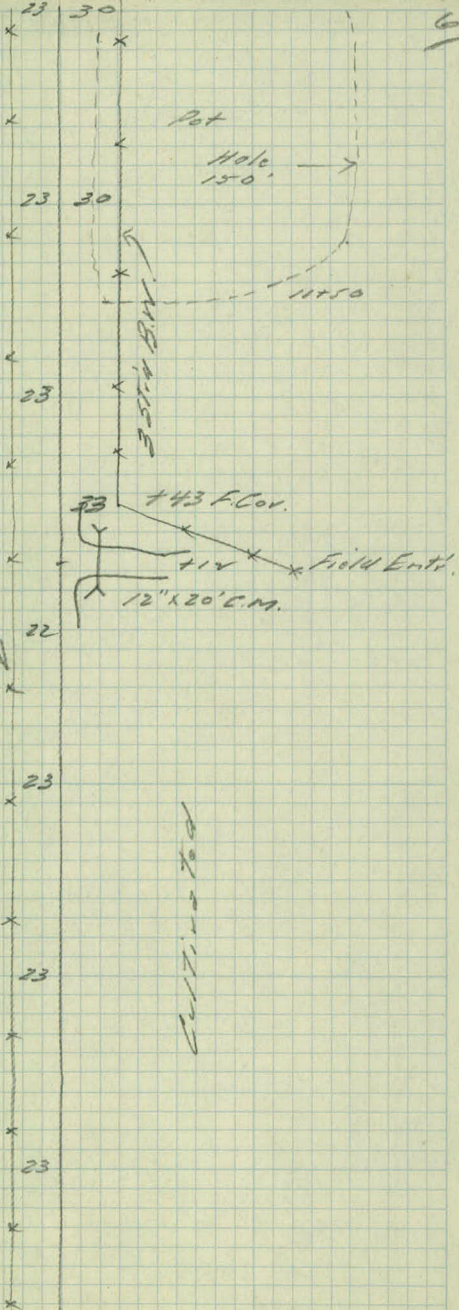
7

12 11

6

Cultivated

2 STD B.W. ↓



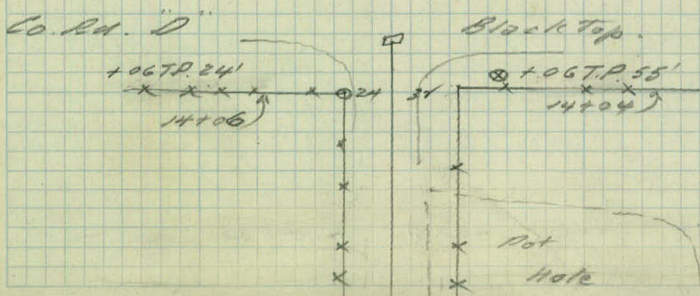
Cultivated

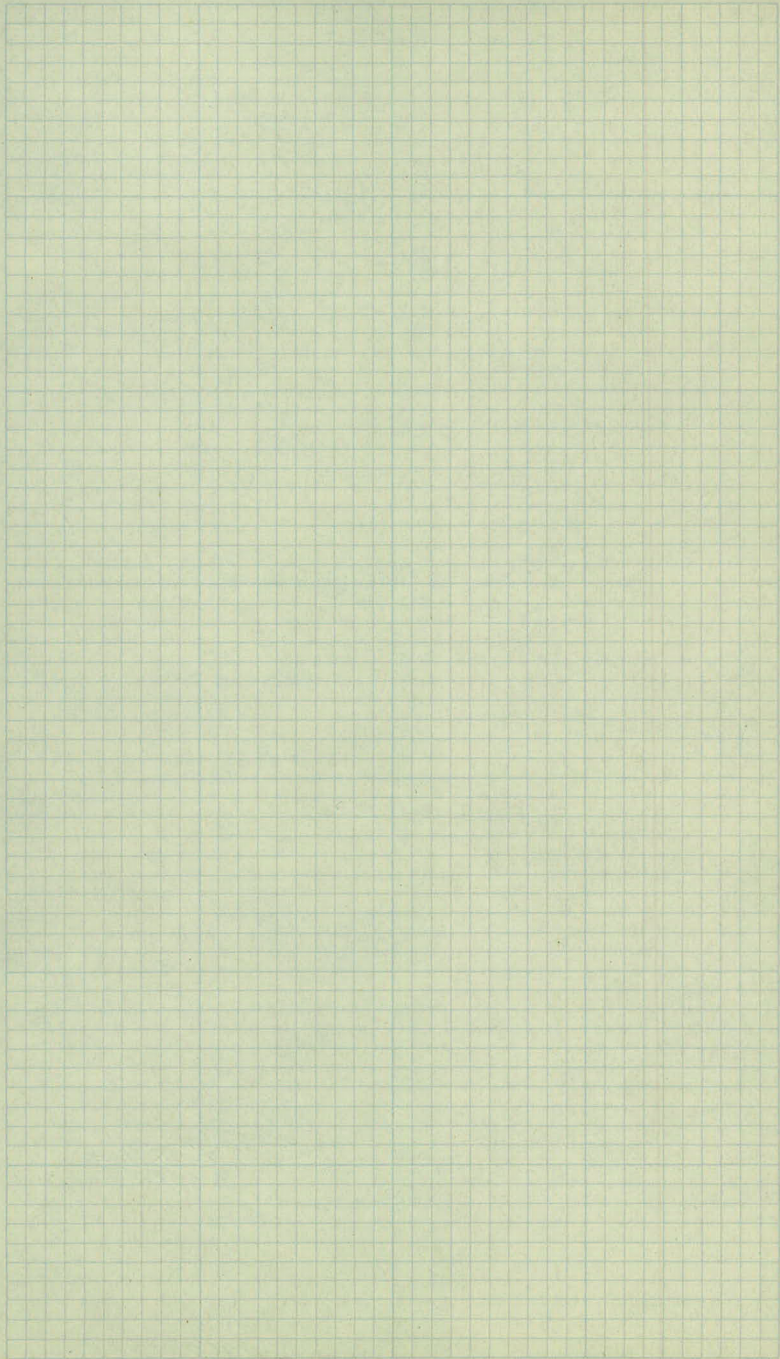
+25.08 Stone Monument

14

19 15

13





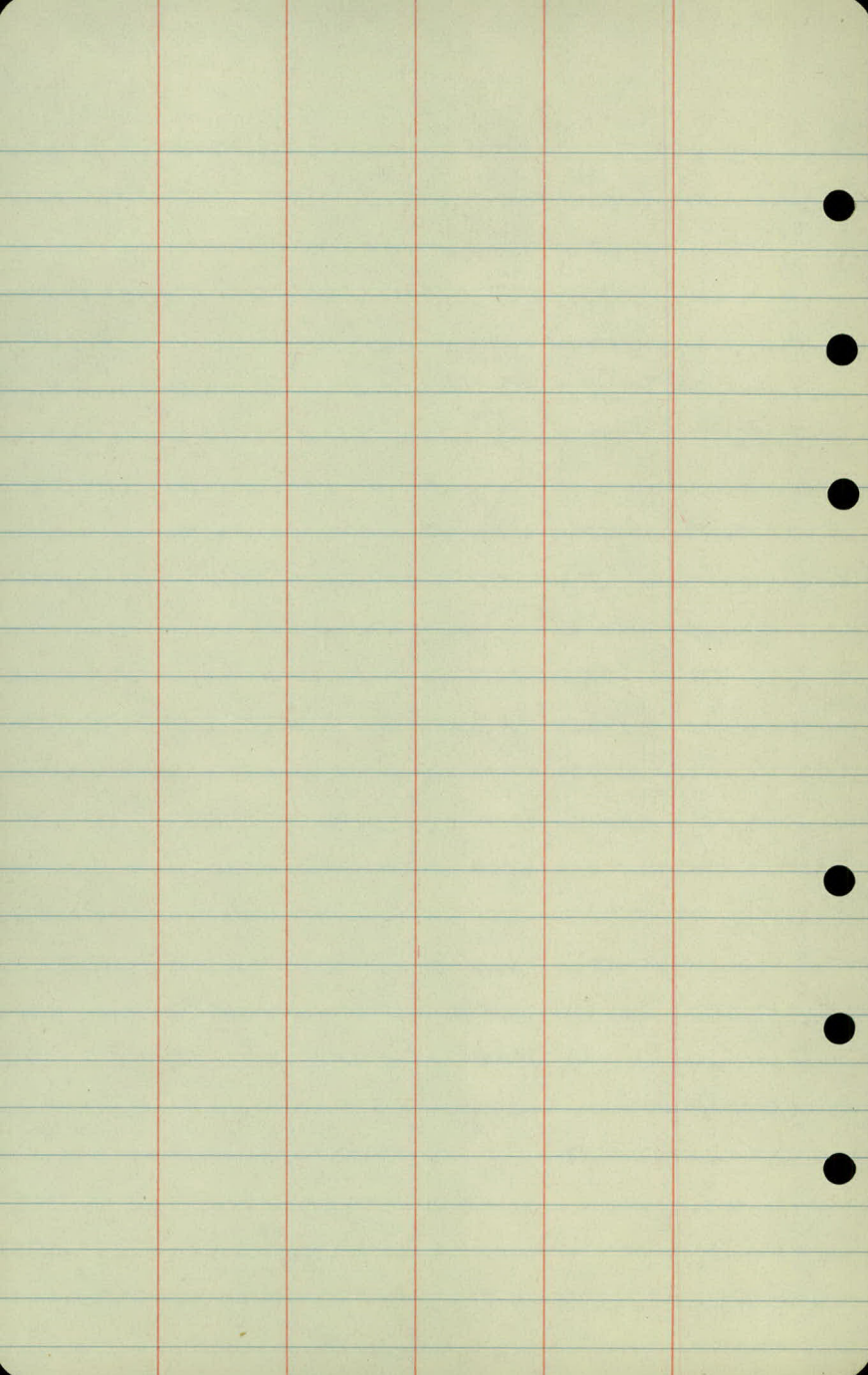
Bench Levels.

11/2/38

	+	π	-	Elev.
B.M.	2.23	1026.58 ✓		1024.35 ✓
	8.72 ✓	1021.83 ✓	13.47	1013.11 ✓
	13.23	1035.04 ✓	0.02 ✓	1021.81 ✓
	3.20	1037.04 ✓	1.22 ✓	1033.84 ✓
B.M.			3.75	1033.27 ✓

Top of Stone Monument Bellaire & D

Spike in 10" Oak 60' Lt. Sta 0+30.



Preliminary Cross Sections

1/2/58

Sta.	+	π	-	Elev.
B.M.	3.75	1037.02		1033.27

0+00				29.4.
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+50				30.7.
-----	--	--	--	-------

1				31.6.
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+50				33.0.
-----	--	--	--	-------

T.P.	10.25	1044.07	3.20	1033.82
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2				33.8.
---	--	--	--	-------

+50				33.7.
-----	--	--	--	-------

3				33.2.
---	--	--	--	-------

+50				32.6.
-----	--	--	--	-------

4				31.3.
---	--	--	--	-------

T.P.	2.37	1033.70	12.74	1031.33
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+50				29.3.
-----	--	--	--	-------

5				27.2.
---	--	--	--	-------

Lt.

L

Rt.

11

Spike in 10" Oct 60' Lt. Sta. 0+30

$\frac{75}{50}$	$\frac{83}{24}$	$\frac{88}{19}$	$\frac{87}{16}$	$\frac{80}{14}$	$\frac{78}{12}$	$\frac{76}{10}$	$\frac{79}{10}$	$\frac{80}{13}$	$\frac{91}{17}$	$\frac{97}{26}$	$\frac{88}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{35}{50}$	$\frac{46}{37}$	$\frac{59}{24}$	$\frac{69}{20}$	$\frac{70}{14}$	$\frac{64}{12}$	$\frac{63}{11}$	$\frac{66}{11}$	$\frac{69}{14}$	$\frac{76}{18}$	$\frac{68}{21}$	$\frac{74}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{28}{50}$	$\frac{35}{39}$	$\frac{39}{24}$	$\frac{63}{21}$	$\frac{62}{16}$	$\frac{56}{14}$	$\frac{54}{12}$	$\frac{56}{12}$	$\frac{61}{16}$	$\frac{61}{19}$	$\frac{47}{23}$	$\frac{62}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{17}{50}$	$\frac{22}{37}$	$\frac{24}{24}$	$\frac{52}{21}$	$\frac{51}{16}$	$\frac{44}{13}$	$\frac{40}{13}$	$\frac{42}{13}$	$\frac{52}{16}$	$\frac{52}{19}$	$\frac{37}{23}$	$\frac{50}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{64}{50}$	$\frac{71}{40}$	$\frac{76}{25}$	$\frac{111}{20}$	$\frac{107}{14}$	$\frac{103}{14}$	$\frac{105}{14}$	$\frac{111}{15}$	$\frac{11.2}{20}$	$\frac{95}{25}$	$\frac{105}{50}$
-----------------	-----------------	-----------------	------------------	------------------	------------------	------------------	------------------	-------------------	-----------------	------------------

$\frac{32}{50}$	$\frac{40}{39}$	$\frac{50}{26}$	$\frac{94}{22}$	$\frac{110}{18}$	$\frac{106}{13}$	$\frac{104}{13}$	$\frac{107}{13}$	$\frac{113}{15}$	$\frac{112}{20}$	$\frac{80}{26}$	$\frac{94}{50}$
-----------------	-----------------	-----------------	-----------------	------------------	------------------	------------------	------------------	------------------	------------------	-----------------	-----------------

$\frac{11}{50}$	$\frac{26}{31}$	$\frac{112}{22}$	$\frac{188}{18}$	$\frac{113}{14}$	$\frac{109}{14}$	$\frac{114}{13}$	$\frac{117}{17}$	$\frac{111}{21}$	$\frac{76}{26}$	$\frac{90}{50}$
-----------------	-----------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	-----------------	-----------------

$\frac{11}{50}$	$\frac{26}{31}$	$\frac{116}{23}$	$\frac{118}{20}$	$\frac{120}{14}$	$\frac{115}{14}$	$\frac{119}{13}$	$\frac{125}{16}$	$\frac{132}{19}$	$\frac{112}{22}$	$\frac{81}{26}$	$\frac{92}{50}$
-----------------	-----------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	-----------------	-----------------

$\frac{57}{50}$	$\frac{62}{43}$	$\frac{74}{28}$	$\frac{133}{20}$	$\frac{132}{14}$	$\frac{129}{14}$	$\frac{135}{13}$	$\frac{143}{17}$	$\frac{133}{22}$	$\frac{110}{25}$	$\frac{117}{50}$
-----------------	-----------------	-----------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------

$\frac{14}{50}$	$\frac{29}{29}$	$\frac{30}{24}$	$\frac{51}{20}$	$\frac{51}{16}$	$\frac{46}{14}$	$\frac{44}{14}$	$\frac{45}{14}$	$\frac{53}{16}$	$\frac{53}{20}$	$\frac{47}{21}$	$\frac{45}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{71}{50}$	$\frac{74}{34}$	$\frac{73}{25}$	$\frac{73}{23}$	$\frac{74}{20}$	$\frac{74}{17}$	$\frac{70}{14}$	$\frac{65}{13}$	$\frac{68}{15}$	$\frac{74}{20}$	$\frac{75}{23}$	$\frac{71}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

Sta.	+	X	-	Elev.
		1033.70		
5+50				25.3.
6				23.0.
+50				21.1.
T.P.	1.51	1022.54	12.67	1021.03
7				19.0.
+50				17.4.
8				15.9.
+50				15.0.
9				14.4.
+35				14.2.
10				13.5.
+20				13.2.
+50				13.3.

Lt.

L

Rt

12

$\frac{106}{50}$	$\frac{102}{28}$	$\frac{108}{21}$	$\frac{100}{17}$	$\frac{90}{16}$	$\frac{84}{13}$	$\frac{88}{13}$	$\frac{98}{16}$	$\frac{102}{20}$	$\frac{100}{30}$	$\frac{98}{50}$
------------------	------------------	------------------	------------------	-----------------	-----------------	-----------------	-----------------	------------------	------------------	-----------------

$\frac{132}{50}$	$\frac{129}{35}$	$\frac{123}{23}$	$\frac{123}{22}$	$\frac{120}{18}$	$\frac{113}{15}$	$\frac{107}{13}$	$\frac{111}{13}$	$\frac{123}{16}$	$\frac{129}{32}$	$\frac{126}{50}$
------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------

$\frac{154}{50}$	$\frac{156}{37}$	$\frac{147}{24}$	$\frac{145}{20}$	$\frac{143}{18}$	$\frac{135}{16}$	$\frac{126}{14}$	$\frac{130}{14}$	$\frac{137}{16}$	$\frac{144}{23}$	$\frac{140}{50}$
------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------

$\frac{57}{50}$	$\frac{53}{25}$	$\frac{53}{21}$	$\frac{53}{18}$	$\frac{41}{15}$	$\frac{35}{13}$	$\frac{38}{13}$	$\frac{47}{19}$	$\frac{51}{23}$	$\frac{43}{40}$	$\frac{43}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{63}{50}$	$\frac{64}{24}$	$\frac{67}{21}$	$\frac{72}{17}$	$\frac{60}{15}$	$\frac{51}{14}$	$\frac{58}{14}$	$\frac{65}{17}$	$\frac{62}{22}$	$\frac{51}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{75}{50}$	$\frac{72}{37}$	$\frac{71}{24}$	$\frac{75}{20}$	$\frac{79}{16}$	$\frac{73}{15}$	$\frac{66}{14}$	$\frac{68}{14}$	$\frac{78}{15}$	$\frac{66}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{94}{50}$	$\frac{89}{34}$	$\frac{83}{22}$	$\frac{91}{20}$	$\frac{93}{17}$	$\frac{80}{14}$	$\frac{75}{13}$	$\frac{80}{13}$	$\frac{90}{17}$	$\frac{86}{19}$	$\frac{84}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{102}{50}$	$\frac{103}{30}$	$\frac{104}{27}$	$\frac{103}{23}$	$\frac{105}{22}$	$\frac{97}{15}$	$\frac{87}{14}$	$\frac{81}{13}$	$\frac{86}{13}$	$\frac{95}{18}$	$\frac{91}{50}$
------------------	------------------	------------------	------------------	------------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{101}{50}$	$\frac{108}{33}$	$\frac{107}{23}$	$\frac{107}{21}$	$\frac{108}{19}$	$\frac{95}{15}$	$\frac{83}{14}$	$\frac{87}{14}$	$\frac{97}{16}$	$\frac{100}{20}$	$\frac{95}{50}$
------------------	------------------	------------------	------------------	------------------	-----------------	-----------------	-----------------	-----------------	------------------	-----------------

$\frac{96}{50}$	$\frac{92}{29}$	$\frac{92}{18}$	$\frac{95}{14}$	$\frac{90}{14}$	$\frac{93}{14}$	$\frac{102}{17}$	$\frac{96}{14}$	$\frac{102}{17}$	$\frac{96}{50}$
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	------------------	-----------------	------------------	-----------------

$\frac{105}{50}$	$\frac{87}{35}$	$\frac{80}{26}$	$\frac{96}{21}$	$\frac{104}{19}$	$\frac{105}{16}$	$\frac{98}{14}$	$\frac{93}{14}$	$\frac{95}{14}$	$\frac{86}{23}$	$\frac{82}{50}$
------------------	-----------------	-----------------	-----------------	------------------	------------------	-----------------	-----------------	-----------------	-----------------	-----------------

$\frac{113}{50}$	$\frac{86}{30}$	$\frac{93}{22}$	$\frac{103}{17}$	$\frac{97}{13}$	$\frac{97}{14}$	$\frac{96}{14}$	$\frac{100}{17}$	$\frac{91}{22}$	$\frac{37}{28}$	$\frac{40}{50}$
------------------	-----------------	-----------------	------------------	-----------------	-----------------	-----------------	------------------	-----------------	-----------------	-----------------

Sta.	+	K	-	Elev
		1022.54		
10+70				13.2
11				13.0
+15				13.0
T.P.	10.45	1022.23	10.76	1011.78
+50				13.1
12				13.8
+50				15.1
13				17.0
+50				19.4
+83				21.8
T.P.	9.34	1028.30	3.27	1018.96
14				23.1
+11				23.9
14+25.08				24.8
B.M.			3.95	1024.25

Lt.

2

Rt.

13

115	97	97	106	98	93	94	100	96	18	20
<u>50</u>	<u>35</u>	<u>23</u>	<u>17</u>	<u>13</u>	<u>11</u>	<u>12</u>	<u>18</u>	<u>29</u>	<u>50</u>	

120	110	113	114	110	98	95	97	104	106	97	64	34
<u>50</u>	<u>30</u>	<u>22</u>	<u>19</u>	<u>16</u>	<u>13</u>	<u>13</u>	<u>15</u>	<u>19</u>	<u>23</u>	<u>27</u>	<u>50</u>	

120	116	115	102	95	97	98	110	108	97	93	72	6
<u>50</u>	<u>23</u>	<u>19</u>	<u>14</u>	<u>11</u>	<u>15</u>	<u>18</u>	<u>22</u>	<u>24</u>	<u>33</u>	<u>45</u>	<u>50</u>	

103	108	114	117	113	95	91	92	110	116	116
<u>50</u>	<u>39</u>	<u>25</u>	<u>22</u>	<u>18</u>	<u>13</u>	<u>13</u>	<u>17</u>	<u>31</u>	<u>50</u>	

97	115	115	90	84	88	121	127	126
<u>50</u>	<u>25</u>	<u>19</u>	<u>14</u>	<u>13</u>	<u>19</u>	<u>32</u>	<u>50</u>	

126	129	125	108	76	71	75	113	119	111	104
<u>50</u>	<u>30</u>	<u>23</u>	<u>19</u>	<u>14</u>	<u>14</u>	<u>21</u>	<u>25</u>	<u>29</u>	<u>50</u>	

124	125	122	118	60	57	56	119	128	130
<u>50</u>	<u>35</u>	<u>28</u>	<u>23</u>	<u>14</u>	<u>13</u>	<u>24</u>	<u>30</u>	<u>50</u>	

120	114	103	32	28	35	107	118
<u>50</u>	<u>30</u>	<u>25</u>	<u>13</u>	<u>28</u>	<u>14</u>	<u>25</u>	<u>50</u>

99	90	75	16	04	07	83	94	86
<u>50</u>	<u>36</u>	<u>28</u>	<u>18</u>	<u>14</u>	<u>26</u>	<u>42</u>	<u>50</u>	

115	107	86	59	52	54	57	72	84	84	87
<u>50</u>	<u>44</u>	<u>25</u>	<u>18</u>	<u>16</u>	<u>19</u>	<u>22</u>	<u>28</u>	<u>33</u>	<u>50</u>	

48	48	44	44	32
<u>50</u>	<u>23</u>	<u>22</u>	<u>50</u>	

53	43	35	26	15
<u>100</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>100</u>

Top of Stone Monument Bellevue et "D"

Cross Sections of proposed
berrow So. Side to Rd "D"
at Bellevue Ave. $\frac{3}{2}$ / $\frac{3}{8}$

East

0"

Base

North

Stone Mon. Sta 10+00



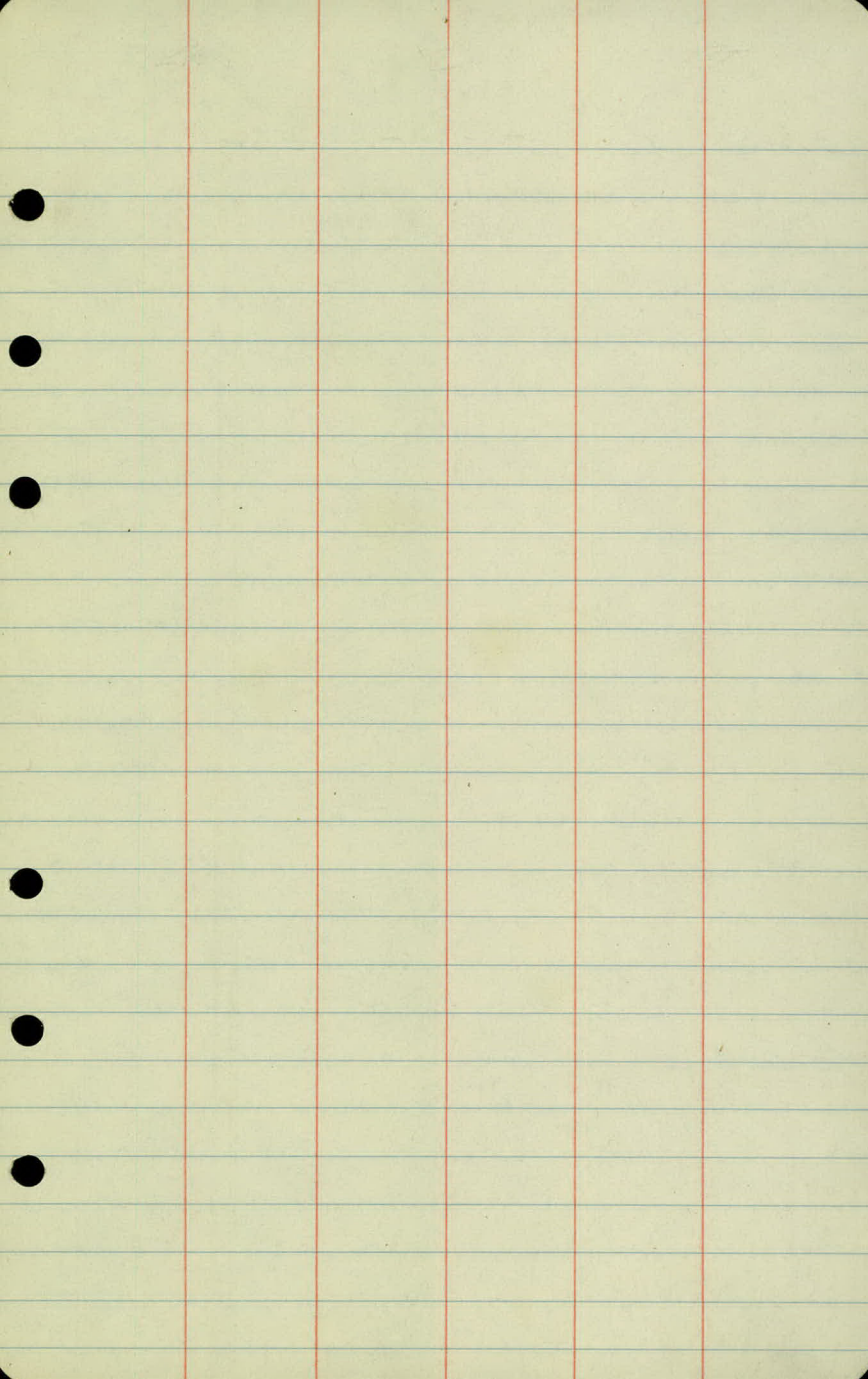
Belleiro

90°16'

Line

0"

0+00



Sta.	+	π	-	Elev.
B.M.	5.94	1030.29 ✓		1024.35

7+25

1019.4

+65

20.3

8

21.4

+35

22.2

+50

22.3

8+70

22.5

T.P.

9.07

1033.4 ✓

5.94

1024.35

12+00

28.4

+30

28.7

T.P.

9.60

1038.29 ✓

4.73

1028.69 ✓

+65

28.5

13

28.3

+50

27.3

2

Rt.

Top Man. Bellair @ "D"

$$\begin{array}{r} 109 \\ \hline 8 \end{array} \quad \begin{array}{r} 110 \\ \hline 16 \end{array} \quad \begin{array}{r} 113 \\ \hline 34 \end{array} \quad \begin{array}{r} 113 \\ \hline 51 \end{array} \quad \begin{array}{r} 131 \\ \hline 100 \end{array} \quad \begin{array}{r} 160 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 100 \\ \hline 8 \end{array} \quad \begin{array}{r} 104 \\ \hline 16 \end{array} \quad \begin{array}{r} 21 \\ \hline 44 \end{array} \quad \begin{array}{r} 86 \\ \hline 71 \end{array} \quad \begin{array}{r} 119 \\ \hline 100 \end{array} \quad \begin{array}{r} 132 \\ \hline 100 \end{array} \quad \begin{array}{r} 135 \\ \hline 150 \end{array}$$

$$\begin{array}{r} 89 \\ \hline 8 \end{array} \quad \begin{array}{r} 90 \\ \hline 18 \end{array} \quad \begin{array}{r} 39 \\ \hline 40 \end{array} \quad \begin{array}{r} 39 \\ \hline 78 \end{array} \quad \begin{array}{r} 26 \\ \hline 97 \end{array} \quad \begin{array}{r} 82 \\ \hline 127 \end{array} \quad \begin{array}{r} 66 \\ \hline 146 \end{array} \quad \begin{array}{r} 27 \\ \hline 200 \end{array} \quad \begin{array}{r} 97 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ \hline 7 \end{array} \quad \begin{array}{r} 82 \\ \hline 12 \end{array} \quad \begin{array}{r} 23 \\ \hline 20 \end{array} \quad \begin{array}{r} 34 \\ \hline 40 \end{array} \quad \begin{array}{r} 22 \\ \hline 63 \end{array} \quad \begin{array}{r} 102 \\ \hline 100 \end{array} \quad \begin{array}{r} 90 \\ \hline 133 \end{array} \quad \begin{array}{r} 74 \\ \hline 103 \end{array} \quad \begin{array}{r} 20 \\ \hline 200 \end{array} \quad \begin{array}{r} 85 \\ \hline 223 \end{array} \quad \begin{array}{r} 137 \\ \hline 253 \end{array}$$

$$\begin{array}{r} 80 \\ \hline 8 \end{array} \quad \begin{array}{r} 80 \\ \hline 15 \end{array} \quad \begin{array}{r} 23 \\ \hline 22 \end{array} \quad \begin{array}{r} 66 \\ \hline 49 \end{array} \quad \begin{array}{r} 65 \\ \hline 71 \end{array} \quad \begin{array}{r} 127 \\ \hline 100 \end{array} \quad \begin{array}{r} 146 \\ \hline 155 \end{array} \quad \begin{array}{r} 115 \\ \hline 200 \end{array} \quad \begin{array}{r} 108 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ \hline 8 \end{array} \quad \begin{array}{r} 78 \\ \hline 17 \end{array} \quad \begin{array}{r} 68 \\ \hline 23 \end{array} \quad \begin{array}{r} 57 \\ \hline 33 \end{array} \quad \begin{array}{r} 27 \\ \hline 49 \end{array} \quad \begin{array}{r} 124 \\ \hline 70 \end{array} \quad \begin{array}{r} 120 \\ \hline 100 \end{array} \quad \begin{array}{r} 123 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ \hline 9 \end{array} \quad \begin{array}{r} 51 \\ \hline 16 \end{array} \quad \begin{array}{r} 44 \\ \hline 27 \end{array} \quad \begin{array}{r} 47 \\ \hline 50 \end{array} \quad \begin{array}{r} 113 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ \hline 9 \end{array} \quad \begin{array}{r} 49 \\ \hline 14 \end{array} \quad \begin{array}{r} 47 \\ \hline 19 \end{array} \quad \begin{array}{r} 11 \\ \hline 29 \end{array} \quad \begin{array}{r} 25 \\ \hline 75 \end{array} \quad \begin{array}{r} 120 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ \hline 13 \end{array} \quad \begin{array}{r} 99 \\ \hline 25 \end{array} \quad \begin{array}{r} 51 \\ \hline 47 \end{array} \quad \begin{array}{r} 89 \\ \hline 100 \end{array} \quad \begin{array}{r} 159 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ \hline 14 \end{array} \quad \begin{array}{r} 103 \\ \hline 24 \end{array} \quad \begin{array}{r} 85 \\ \hline 30 \end{array} \quad \begin{array}{r} 55 \\ \hline 40 \end{array} \quad \begin{array}{r} 46 \\ \hline 70 \end{array} \quad \begin{array}{r} 97 \\ \hline 100 \end{array} \quad \begin{array}{r} 120 \\ \hline 150 \end{array} \quad \begin{array}{r} 123 \\ \hline \end{array}$$

$$\begin{array}{r} 110 \\ \hline 12 \end{array} \quad \begin{array}{r} 114 \\ \hline 24 \end{array} \quad \begin{array}{r} 29 \\ \hline 28 \end{array} \quad \begin{array}{r} 44 \\ \hline 38 \end{array} \quad \begin{array}{r} 20 \\ \hline 61 \end{array} \quad \begin{array}{r} 36 \\ \hline 104 \end{array} \quad \begin{array}{r} 90 \\ \hline 126 \end{array} \quad \begin{array}{r} 107 \\ \hline 150 \end{array} \quad \begin{array}{r} 140 \\ \hline \end{array}$$

Sta.

+

π

-

Elev.

1038.49

13+80

1026.4

14

25.9

+25

25.1

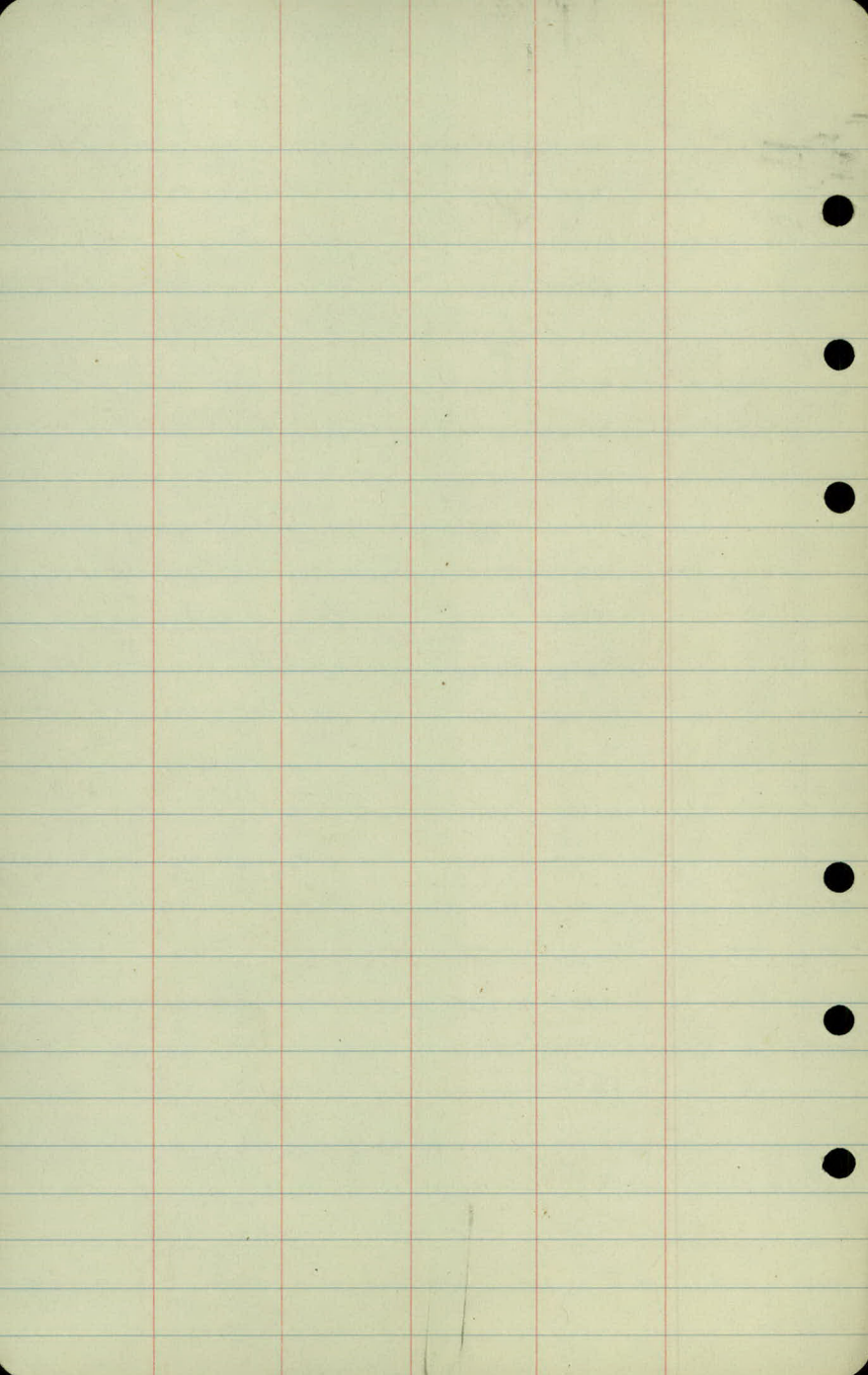
2

24.

$$\begin{array}{r} 119 \\ \hline 11 \end{array} \quad \begin{array}{r} 123 \\ \hline 11 \end{array} \quad \begin{array}{r} 105 \\ \hline 19 \end{array} \quad \begin{array}{r} 84 \\ \hline 24 \end{array} \quad \begin{array}{r} 44 \\ \hline 29 \end{array} \quad \begin{array}{r} 27 \\ \hline 41 \end{array} \quad \begin{array}{r} 38 \\ \hline 65 \end{array} \quad \begin{array}{r} 93 \\ \hline 100 \end{array} \quad \begin{array}{r} 164 \\ \hline 150 \end{array}$$

$$\begin{array}{r} 124 \\ \hline 11 \end{array} \quad \begin{array}{r} 123 \\ \hline 11 \end{array} \quad \begin{array}{r} 114 \\ \hline 18 \end{array} \quad \begin{array}{r} 71 \\ \hline 26 \end{array} \quad \begin{array}{r} 61 \\ \hline 53 \end{array} \quad \begin{array}{r} 101 \\ \hline 91 \end{array} \quad \begin{array}{r} 114 \\ \hline 100 \end{array} \quad \begin{array}{r} 157 \\ \hline 125 \end{array}$$

$$\begin{array}{r} 132 \\ \hline 11 \end{array} \quad \begin{array}{r} 136 \\ \hline 11 \end{array} \quad \begin{array}{r} 135 \\ \hline 17 \end{array} \quad \begin{array}{r} 143 \\ \hline 22 \end{array} \quad \begin{array}{r} 126 \\ \hline 49 \end{array} \quad \begin{array}{r} 134 \\ \hline 88 \end{array} \quad \begin{array}{r} 148 \\ \hline 100 \end{array}$$



Bellaire Ave.

Place stakes from NW¹/₄
Cor. of NE¹/₄ of Sec. 1-29-22
to Co. Rd. "D"

9/38

32' Crown
4 to 1 Slopes
Backslope 2:1
near slope 2:1

Sta.	+	π	-	Grade.
B.M.	8.07	1041.34		1033.27

0+00				29.4
------	--	--	--	------

+50				30.5
-----	--	--	--	------

1+00				31.6
------	--	--	--	------

+50				32.7
-----	--	--	--	------

2				33.4
---	--	--	--	------

T.P.	12.34	1046.17	7.51	1033.83
------	-------	---------	------	---------

+50				33.5
-----	--	--	--	------

3				33.1
---	--	--	--	------

+50				32.3
-----	--	--	--	------

Lt.

E

Rt.

Spike in 10" Oak 60' Lt. of 0+30

$$\begin{array}{r} 11.9 \\ 13.4 \end{array}$$

$$\begin{array}{r} 134 \\ D.C.O.9 \\ \hline 28.6 \end{array}$$

$$\begin{array}{r} 11.9 \\ \hline \end{array}$$

$$\begin{array}{r} 139 \\ F.20 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 10.8 \\ 12.3 \end{array}$$

$$\begin{array}{r} 9.0 \\ D.C.3.3 \\ \hline 38.2 \end{array}$$

$$\begin{array}{r} 10.6 \\ C.O.2 \\ \hline \end{array}$$

$$\begin{array}{r} 11.6 \\ D.C.O.7 \\ \hline 27.8 \end{array}$$

$$\begin{array}{r} 9.7 \\ 11.2 \end{array}$$

$$\begin{array}{r} 8.0 \\ D.C.3.2 \\ \hline 37.8 \end{array}$$

$$\begin{array}{r} 9.6 \\ C.O.1 \\ \hline \end{array}$$

$$\begin{array}{r} 9.7 \\ D.C.1.5 \\ \hline 31.0 \end{array}$$

$$\begin{array}{r} 8.6 \\ 10.1 \end{array}$$

$$\begin{array}{r} 6.6 \\ D.C.3.8 \\ \hline 39.0 \end{array}$$

$$\begin{array}{r} 8.3 \\ C.O.3 \\ \hline \end{array}$$

$$\begin{array}{r} 8.5 \\ D.C.1.6 \\ \hline 31.4 \end{array}$$

$$\begin{array}{r} 7.9 \\ 9.4 \end{array}$$

$$\begin{array}{r} 3.8 \\ D.C.5.6 \\ \hline 47.4 \end{array}$$

$$\begin{array}{r} 7.6 \\ C.O.3 \\ \hline \end{array}$$

$$\begin{array}{r} 7.3 \\ D.C.2.1 \\ \hline 33.4 \end{array}$$

$$\begin{array}{r} 12.7 \\ 14.2 \end{array}$$

$$\begin{array}{r} 4.0 \\ D.C.10.2 \\ \hline 41.8 \end{array}$$

$$\begin{array}{r} 12.4 \\ C.O.3 \\ \hline \end{array}$$

$$\begin{array}{r} 10.9 \\ D.C.3.3 \\ \hline 38.2 \end{array}$$

$$\begin{array}{r} 13.1 \\ 14.6 \end{array}$$

$$\begin{array}{r} 2.9 \\ D.C.11.7 \\ \hline 41.8 \end{array}$$

$$\begin{array}{r} 12.8 \\ C.O.3 \\ \hline \end{array}$$

$$\begin{array}{r} 10.7 \\ D.C.3.9 \\ \hline 40.6 \end{array}$$

$$\begin{array}{r} 13.9 \\ 15.4 \end{array}$$

$$\begin{array}{r} 3.3 \\ D.C.12.1 \\ \hline 43.4 \end{array}$$

$$\begin{array}{r} 13.6 \\ C.O.3 \\ \hline \end{array}$$

$$\begin{array}{r} 10.8 \\ D.C.4.6 \\ \hline 43.4 \end{array}$$

Sta. + K - Grade.

1046.17

4+00

30.9

T.P.

3.78

1036.13

13.32

1034.85

+50

29.0

5

27.0

+50

25.0

T.P.

1.70

1024.84

17.99

1023.14

6

23.0

+50

21.0

7

19.0

+50

17.2

Lt.

E

Rt.

$$\begin{array}{r} 15.3 \\ 16.8 \end{array}$$

$$\begin{array}{r} 73 \\ 0.6 \overline{) 9.1} \\ 63. \\ \hline \end{array}$$

$$\begin{array}{r} 149 \\ 60.4 \overline{) 149} \end{array}$$

$$\begin{array}{r} 134 \\ 0.6 \overline{) 34} \\ 35.6 \end{array}$$

$$\begin{array}{r} 15 \\ 7.1 \\ 8.6 \end{array}$$

$$\begin{array}{r} 47 \\ 0.6 \overline{) 39} \\ 40.6 \end{array}$$

$$\begin{array}{r} 67 \\ 60.4 \overline{) 67} \end{array}$$

$$\begin{array}{r} 70 \\ 0.6 \overline{) 16} \\ 31.4 \end{array}$$

$$\begin{array}{r} 15 \\ 9.1 \\ 10.6 \end{array}$$

$$\begin{array}{r} 37 \\ 0.6 \overline{) 9} \\ 28.6 \end{array}$$

$$\begin{array}{r} 91 \\ 60.0 \overline{) 91} \end{array}$$

$$\begin{array}{r} 99 \\ 0.6 \overline{) 0.7} \\ 278 \end{array}$$

$$\begin{array}{r} 15 \\ 11.1 \\ 17.6 \end{array}$$

$$\begin{array}{r} 123 \\ 0.6 \overline{) 12} \\ 20.8 \end{array}$$

$$\begin{array}{r} 109 \\ 60.0 \overline{) 109} \end{array}$$

$$\begin{array}{r} 130 \\ 0.6 \overline{) 13} \\ 236 \end{array}$$

$$\begin{array}{r} 15 \\ 1.8 \\ 3.3 \end{array}$$

$$\begin{array}{r} 34 \\ 0.6 \overline{) 1.6} \\ 22.4 \end{array}$$

$$\begin{array}{r} 19 \\ 60.1 \overline{) 19} \end{array}$$

$$\begin{array}{r} 41 \\ 0.6 \overline{) 23} \\ 25.2 \end{array}$$

$$\begin{array}{r} 15 \\ 3.8 \\ 5.3 \end{array}$$

$$\begin{array}{r} 60 \\ 0.6 \overline{) 2.2} \\ 24.8 \end{array}$$

$$\begin{array}{r} 38 \\ 60.0 \overline{) 38} \end{array}$$

$$\begin{array}{r} 58 \\ 0.6 \overline{) 20} \\ 24.0 \end{array}$$

$$\begin{array}{r} 15 \\ 5.8 \\ 7.3 \end{array}$$

$$\begin{array}{r} 77 \\ 0.6 \overline{) 1.4} \\ 23.6 \end{array}$$

$$\begin{array}{r} 58 \\ 60.0 \overline{) 58} \end{array}$$

$$\begin{array}{r} 73 \\ 0.6 \overline{) 15} \\ 22.0 \end{array}$$

$$\begin{array}{r} 15 \\ 7.6 \\ 9.1 \end{array}$$

$$\begin{array}{r} 85 \\ 0.6 \overline{) 0.6} \\ 27.4 \end{array}$$

$$\begin{array}{r} 74 \\ 60.0 \overline{) 74} \end{array}$$

$$\begin{array}{r} 83 \\ 0.6 \overline{) 0.8} \\ 28.2 \end{array}$$

Sta.	+	π	-	Grade
		1024.84		

8				15.8
---	--	--	--	------

+50				14.7
-----	--	--	--	------

9				14.0
---	--	--	--	------

+35				13.7
-----	--	--	--	------

10				13.3
----	--	--	--	------

+20				13.3
-----	--	--	--	------

+50				13.5
-----	--	--	--	------

+70				13.7
-----	--	--	--	------

T.P.	8.58	1021.61	11.81	1013.03
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Lt.

E

Rt.

$$\begin{array}{r} 15 \\ 9.0 \\ \hline 10.5 \end{array}$$

$$\begin{array}{r} 9.4 \\ \hline D.C.1.1 \\ \hline 29.4 \end{array}$$

$$\begin{array}{r} 8.8 \\ \hline C.O.2 \end{array}$$

$$\begin{array}{r} 9.2 \\ \hline D.C.1.3 \\ \hline 30.2 \end{array}$$

$$\begin{array}{r} 15 \\ 10.1 \\ \hline 11.6 \end{array}$$

$$\begin{array}{r} 11.0 \\ \hline D.C.0.6 \\ \hline 27.4 \end{array}$$

$$\begin{array}{r} 9.9 \\ \hline C.O.2 \end{array}$$

$$\begin{array}{r} 11.0 \\ \hline D.C.0.6 \\ \hline 27.4 \end{array}$$

$$\begin{array}{r} 15 \\ 10.8 \\ \hline 12.3 \end{array}$$

$$\begin{array}{r} 12.6 \\ \hline F.1.8 \\ \hline 23.2 \end{array}$$

$$\begin{array}{r} 10.6 \\ \hline C.O.2 \end{array}$$

$$\begin{array}{r} 11.8 \\ \hline D.C.0.5 \\ \hline 27.0 \end{array}$$

$$\begin{array}{r} 15 \\ 11.1 \\ \hline 12.6 \end{array}$$

$$\begin{array}{r} 13.1 \\ \hline F.2.0 \\ \hline 24.0 \end{array}$$

$$\begin{array}{r} 10.9 \\ \hline C.O.2 \end{array}$$

$$\begin{array}{r} 12.0 \\ \hline D.C.0.6 \\ \hline 27.4 \end{array}$$

$$\begin{array}{r} 15 \\ 11.5 \\ \hline 13.0 \end{array}$$

$$\begin{array}{r} 11.3 \\ \hline D.C.1.7 \\ \hline 31.8 \end{array}$$

$$\begin{array}{r} 11.3 \\ \hline C.O.2 \end{array}$$

$$\begin{array}{r} 12.0 \\ \hline D.C.1.0 \\ \hline 29.0 \end{array}$$

$$\begin{array}{r} 15 \\ 11.5 \\ \hline 13.0 \end{array}$$

X

$$\begin{array}{r} 15 \\ 11.3 \\ \hline 12.8 \end{array}$$

$$\begin{array}{r} 11.1 \\ \hline D.C.1.7 \\ \hline 31.8 \end{array}$$

$$\begin{array}{r} 11.6 \\ \hline F.O.3 \end{array}$$

$$\begin{array}{r} 6.2 \\ \hline D.C.6.6 \\ \hline 51.4 \end{array}$$

$$\begin{array}{r} 15 \\ 11.1 \\ \hline 12.6 \end{array}$$

$$\begin{array}{r} 11.6 \\ \hline F.O.3 \end{array}$$

$$\begin{array}{r} 4.4 \\ \hline D.C.8.2 \\ \hline 57.8 \end{array}$$

Sta. + π - Grade

1021.61

11 14.3

+15 14.6

+50 15.5

12 17.3

+50 18.5

13 21.7

+50 23.2

T.P. 7.08 1027.22 1.47 1020.14

+83 24.0

Lt.

E

Et.

$$\begin{array}{r} 7.3 \\ 8.8 \end{array}$$

$$\begin{array}{r} 9.9 \\ F.2.6 \\ \hline 26.4 \end{array}$$

$$\begin{array}{r} 8.6 \\ F.1.3 \end{array}$$

$$\begin{array}{r} 2.6 \\ 0.002 \\ \hline 49.8 \end{array}$$

$$\begin{array}{r} 7.0 \\ 8.5 \end{array}$$

$$\begin{array}{r} 8.6 \\ F.1.6 \end{array}$$

$$\begin{array}{r} 5.0 \\ F.2.0 \\ \hline 24.0 \end{array}$$

$$\begin{array}{r} 6.1 \\ 1.8 \end{array}$$

$$\begin{array}{r} 10.2 \\ F.4.1 \\ \hline 32.4 \end{array}$$

$$\begin{array}{r} 8.5 \\ F.2.4 \end{array}$$

$$\begin{array}{r} 11.3 \\ F.5.2 \\ \hline 36.8 \end{array}$$

$$\begin{array}{r} 4.3 \\ 2.2 \end{array}$$

$$\begin{array}{r} 10.2 \\ F.5.9 \\ \hline 39.6 \end{array}$$

$$\begin{array}{r} 7.8 \\ F.3.1 \end{array}$$

Too Much
water 4'

$$\begin{array}{r} 2.1 \\ 2.2 \end{array}$$

$$\begin{array}{r} 10.2 \\ F.8.1 \\ \hline 48.4 \end{array}$$

$$\begin{array}{r} 6.4 \\ F.4.3 \end{array}$$

Too Much
water

$$\begin{array}{r} 10.1 \\ 2.2 \end{array}$$

$$\begin{array}{r} 12.1 \\ F.12.2 \\ \hline 64.8 \end{array}$$

$$\begin{array}{r} 4.5 \\ F.4.6 \end{array}$$

$$\begin{array}{r} 12.1 \\ F. \end{array}$$

$$\begin{array}{r} 11.6 \\ 2.2 \end{array}$$

$$\begin{array}{r} 11.3 \\ F.12.5 \\ \hline 67.6 \end{array}$$

$$\begin{array}{r} 2.1 \\ F.3.7 \end{array}$$

$$\begin{array}{r} 11.2 \\ F.12.8 \\ \hline 67.2 \end{array}$$

$$\begin{array}{r} 3.2 \\ 2.2 \end{array}$$

$$\begin{array}{r} 14.7 \\ F.11.5 \\ \hline 62.0 \end{array}$$

$$\begin{array}{r} 2.4 \\ F.2.2 \end{array}$$

$$\begin{array}{r} 13.6 \\ F.10.4 \\ \hline 57.6 \end{array}$$

Sta. + π - Grade

1027.22

14

24.2

+11

24.3

+25'

24.4

B.M.

2.85

1024.37

1024.35

Lt.

£

et.

Top of Mon. Bellaire @ D

