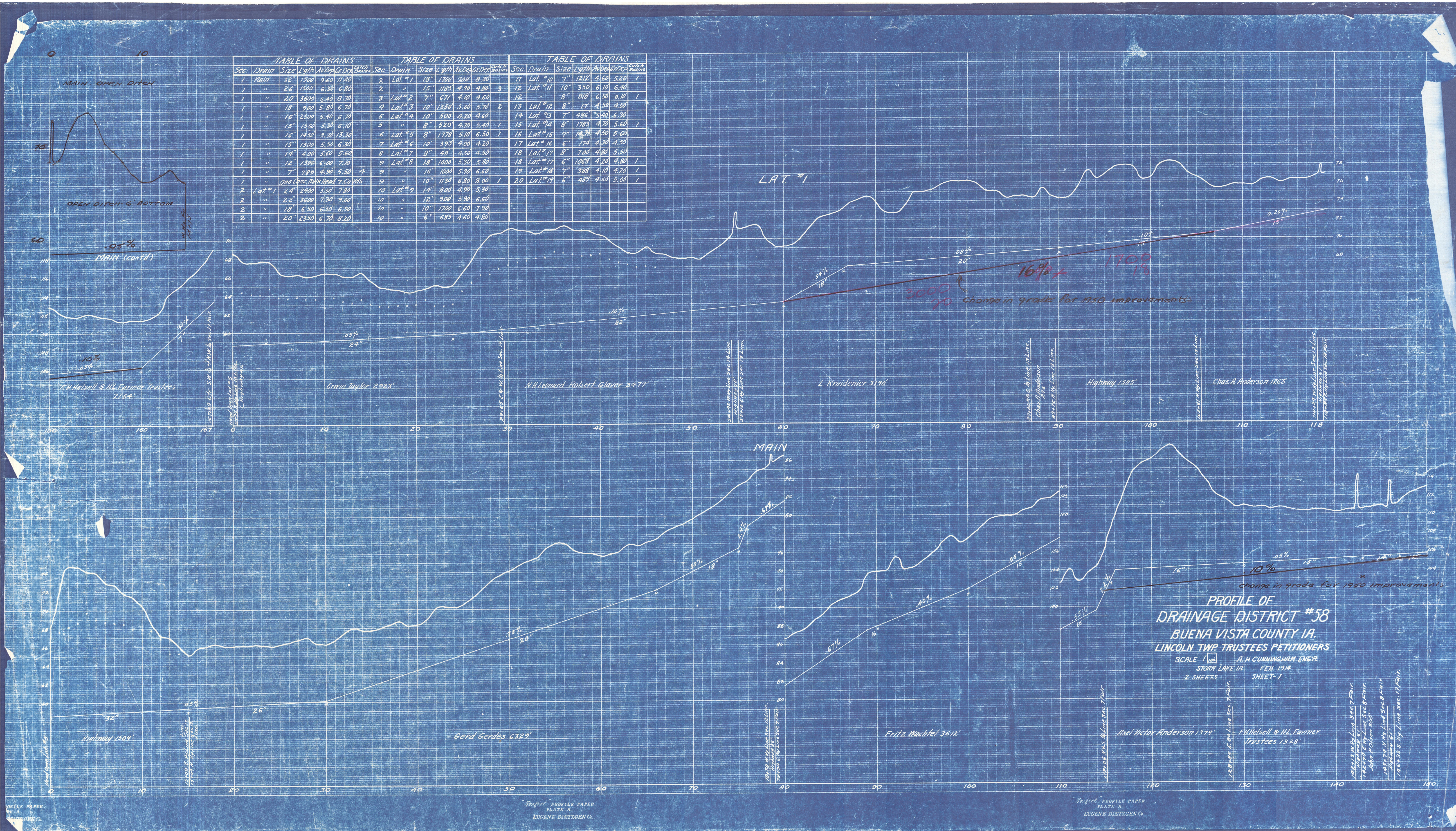
0
10
MAIN- OPEN DITCH
70
60
OPEN DITCH-6' BOTTOM
W.H.F.C. 12-7-73
.05%
MAIN (cont'd)
118
116
114
112
110
108
106
.10%
.05%
90%
7"
F.H. Helsell & H.L. Farmer Trustees 2164'
167+89 Ctr. S.W. ¼ of N.W. ¼ Sec. 17 Fair.
150
160
167
Head Open Lat #5
0+42 S. ¼ Line 14 Lin.
(Highway 42
70
68
66
64
62
60
.05%
24"
Erwin Taylor 2923'
29+65 E & W. ¼ Line Sec. 14 Linc.
N.H. Leonard Robert Glaver 2477'
54+42 W. ¼ Line Sec. 14 Linc.
Highway 68'
55+10 E. ¼ Line Sec. 13 Linc.
.10%
22"
LAT. #1
.54%
18"
.08%
20"
3000
70
Change in grade for 1950 improvements
16%
1700
18
.10%
18"
0.20%
15"
78
76
74
72
70
68
L. Kruidenier 3190'
87+00 N & S. ¼ Line 13 Linc.
Chas. A. Anderson 276'
89+76 N. ¼ Line 13 Linc.
Highway 1585'
105+61 N. ¼ Line Sec. 13 Linc.
Chas. A. Anderson 1263'
116+29 W. ¼ Line Sec. 13 Linc.
Highway 61'
118+85 E. ¼ Line Sec. 18 Fair.
0
10
20
30
40
50
60
70
80
90
100
110
118
MAIN
86
84
82
80
96
94
92
90
88
86
84
82
80
74
72
70
68
66
64
62
60
32"
.05%
26"
.33%
20"
.50%
18"
2.8%
.67%
.67%
16"
.40%
.55%
15"
102
102
100
106
104
102
100
.55%
15"
2.2%
16"
.05%
15"
14"
12"
.10%
change in grade for 1950 improvements
114
112
110
108
106
104
Head Open Lat #5
Highway 1509'
15+09 E. ¼ Line Sec. 12 Linc.
15+09 N. ¼ Line Sec. 17 Line
Gerd Gerdes 6329'
78+38 W. ¼ Line Sec. 12 Linc.
Highway 56'
78+94 E. ¼ Line Sec. 7 Fair.
Fritz Wachtel 3612'
115+06 N & S. ¼ Line Sec. 7 Fair
Axel Victor Anderson 1379'
128+85 E. 80 Line Sec. 7 Fair.
F.H. Helsell & H.L. Farmer Trustees 1328
142+13 W. ¼ Line Sec. 7 Fair.
Highway 61'
142+74 E. ¼ Line Sec. 8 Fair.
John P. Olsen 300'
145+74 N. ¼ Line Sec. 8 Fair.
Highway 61'
146+35 S. ¼ Line Sec. 17 Fair.
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

TABLE OF DRAINS

Sec.	Drain	Size	L'gth.	Av. Dep.	Gr. Dep.	Catch Basins
1	Main	32"	1500'	9.60'	11.40'	
1	"	26"	1500'	6.30'	6.80'	
1	"	20"	3600'	6.40'	8.70'	
1	"	18"	900'	5.80'	6.70'	
1	"	16"	2500'	5.40'	6.70'	
1	"	15"	1550'	5.30'	6.10'	
1	"	16"	1450'	9.70'	13.30'	
1	"	15"	1300'	5.50'	6.30'	
1	"	14"	400'	5.60'	5.60'	
1	"	12"	1300'	6.00'	7.10'	
1	"	7"	789'	4.90'	5.50'	4
1	"	One Conc. Bulk Head 7. Cu Yds				
2	Lat. #1	24"	2400'	5.50'	7.80'	
2	"	22"	3600'	7.30'	9.00'	
2	"	18"	650'	6.30'	6.90'	
2	"	20"	2350'	6.70'	8.20'	

TABLE OF DRAINS

Sec.	Drain	Size	L'gth	Av. Dep.	Gr. Dep.	Catch Basins
2	Lat. #1	18"	1700'	7.00'	8.30'	
2	"	15"	1185'	4.40'	4.80'	3
3	Lat. #2	7"	671'	4.10'	4.60'	
4	Lat. #3	10"	1350'	5.00'	5.70'	2
5	Lat. #4	10"	500'	4.20'	4.60'	
5	"	8"	520'	4.70'	5.40'	1
6	Lat. #5	8"	1778'	5.10'	6.50'	1
7	Lat. #6	10"	393'	4.00'	4.20'	
8	Lat. #7	8"	48'	4.50'	4.50'	
9	Lat. #8	18"	1000'	5.30'	5.80'	
9	"	16"	1000'	5.90'	6.60'	
9	"	10"	1130'	6.80'	8.00'	1
10	Lat. #9	14"	800'	4.90'	5.30'	
10	"	12"	900'	5.90'	6.60'	
10	"	10"	1700'	6.60'	7.90'	
10	"	6"	683'	4.60'	4.80'	

TABLE OF DRAINS

Sec.	Drain	Size	L'gth	Av. Dep.	Gr. Dep.	Catch Basins
11	Lat. #10	7"	1212'	4.60'	5.20'	1
12	Lat. #11	10"	350'	6.10'	6.40'	
12	"	8"	818'	6.50'	9.10'	1
13	Lat. #12	8"	17'	4.50'	4.50'	
14	Lat. #13	7"	486'	5.40'	6.30'	
15	Lat. #14	8"	1783'	4.70'	5.60'	1
16	Lat. #15	7"	1471'	4.50'	5.60'	
17	Lat. #16	6"	174'	4.30'	4.50'	
18	Lat. #17	8"	700'	4.80'	5.50'	
18	Lat. #17	6"	1068'	4.20'	4.80'	1
19	Lat. #18	7"	388'	4.10'	4.20'	1
20	Lat. #19	6"	489'	4.60'	5.00'	1

PROFILE OF
DRAINAGE DISTRICT #58
BUENA VISTA COUNTY IA.
LINCOLN TWP. TRUSTEES PETITIONERS

SCALE 1/100 A. H. CUNNINGHAM ENGR.
STORM LAKE IA. FEB. 1914
2-SHEETS SHEET-1

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PLATE A.
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