PROFILE OF
DRAINAGE DISTRICT 106
BUENA VISTA COUNTY IA.

In Barnes and Scott Townships (T93N-R37W & T92N-R37W

HANS OLSON ET. AL. PETITIONERS
Scale: 100 A.H. CUNNINGHAM-ENGINEER

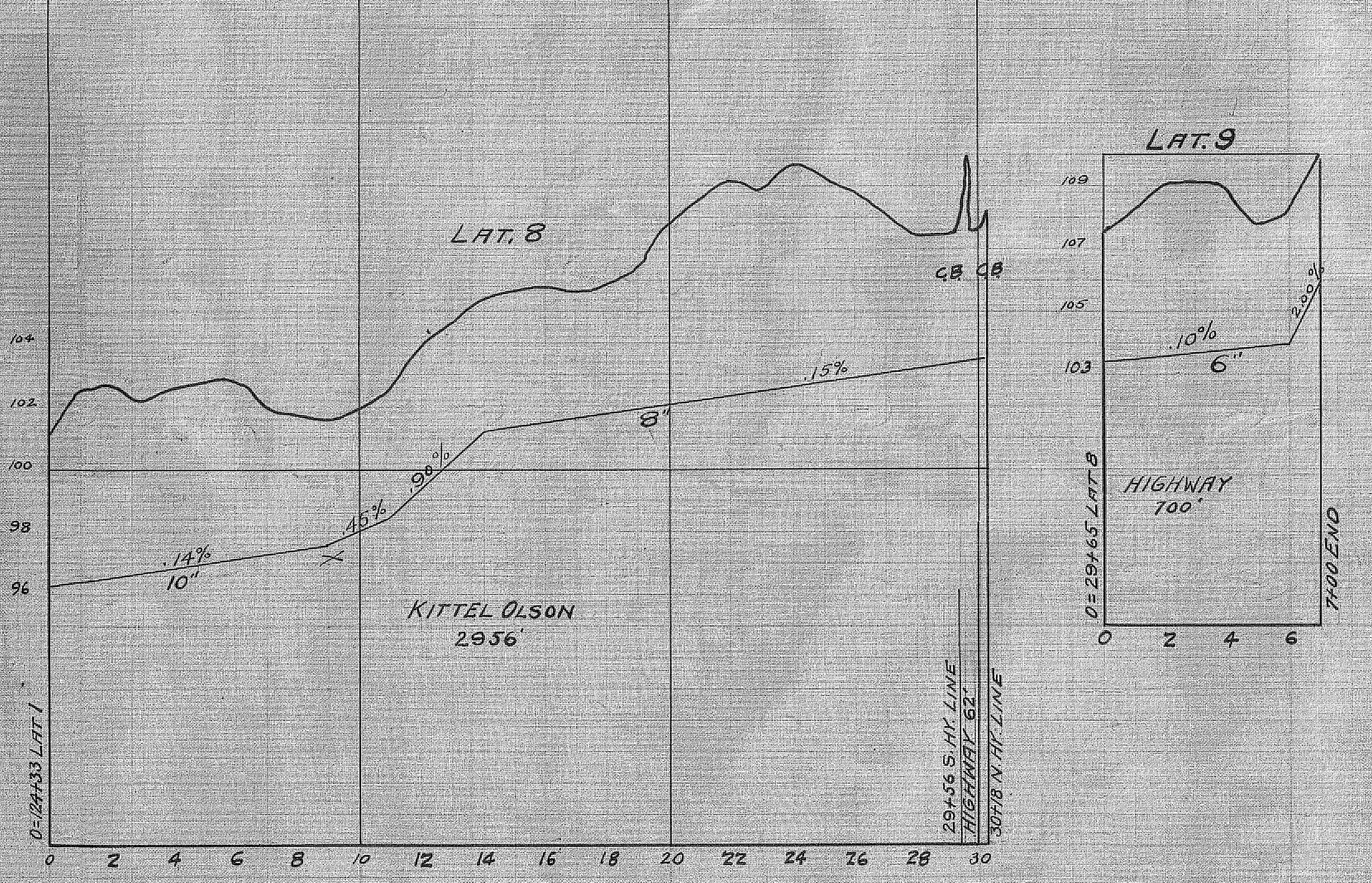
Main & Lats. 13-19

SLH. Sh.1

TABLE OF DRAINS						
Sec.	Drain	Size	Length	Av. Dep.	Gr. Dep.	Inlets
1	Main	Open D.	10650	7.6	52950	Cu. Yds.
2	"	38"	1850	8.0	9.2	5
	"	36"	2350	8.3	12.3	
	"	32"	1600	6.7	7.6	
	"	30"	700	6.8	7.5	
3	"	28"	1300	7.3	8.5	
	"	26"	300	8.2	8.8	
	"	24"	1200	7.7	9.2	
	"	15"	1850	6.8	7.5	
	"	12"	650	5.3	7.0	
	"	8"	728	4.4	5.0	
18	Lat. 13	14"	2067	5.7	6.8	2
19	" 14	8"	157	4.3	4.5	
20	" 15	8"	1600	4.5	6.2	1
21	" 16	20"	1100	6.1	6.9	2
	" "	14"	2800	6.0	7.4	
	" "	12"	1250	4.5	5.0	
	" "	10"	800	4.8	5.6	
	" "	6"	130	4.2	4.5	
22	" 17	14"	4854	5.2	7.6	1
23	" 18	8"	1300	4.6	6.1	
24	" 19	8"	1500	4.9	7.0	1
	" "	6"	200	4.1	4.5	

TABLE OF DRAINS

Sec.	Drain	Size	Length	Av.Dep.	Gr.Dep.	Inlets
1	Main	Open	10650	7.5	52950	Cu.Yd.
2	"	38"	1850	8.0	9.2	5
	"	36"	2250	8.3	12.3	
	"	32"	1600	6.7	7.5	
	"	30"	700	6.8	7.5	
3	"	28"	1300	7.3	8.5	
	"	26"	300	8.2	8.8	
	"	24"	1200	7.7	9.2	
	"	15"	1850	6.8	7.5	
	"	12"	650	5.3	7.0	
	"	8"	728	4.4	5.0	
4	Lat. 1	28"	3000	5.8	7.4	4
	"	26"	600	5.9	6.0	
	"	24"	900	5.2	5.5	
	"	22"	3100	6.3	7.1	
5	"	20"	1100	6.1	6.5	
	"	18"	400	5.8	5.9	
	"	16"	1700	5.4	5.8	
	"	14"	1700	6.0	7.2	
	"	10"	186	4.4	4.5	
6	Lat. 2	12"	293	5.3	5.6	1
7	Lat. 3	6"	600	4.0	4.0	
8	Lat. 4	6"	1200	4.2	5.1	
9	Lat. 5	12"	900	5.5	6.0	2
	"	10"	335	4.5	4.7	
10	Lat. 6	8"	1000	4.5	5.9	1
	"	6"	100	4.0	4.1	
11	Lat. 7	6"	1700	4.5	5.8	1
12	Lat. 8	6"	900	5.4	6.1	2
	"	8"	2118	5.0	7.0	
13	Lat. 9	6"	700	4.7	5.5	
14	Lat. 10	24"	7000	6.4	9.9	6
15	"	22"	2700	6.3	8.0	
	"	20"	500	6.8	7.5	
	"	18"	1300	6.1	8.0	
	"	16"	1100	6.1	8.0	
	"	15"	1400	5.9	8.3	
	"	14"	1400	5.4	6.0	
	"	12"	475	4.6	4.9	
16	Lat. 11	10"	1700	5.2	9.8	
	"	8"	574	4.6	5.7	
17	Lat. 12	6"	400	4.5	5.2	
18	Lat. 13	14"	2067	5.7	6.8	2
19	Lat. 14	8"	157	4.3	4.5	
20	Lat. 15	8"	1600	4.5	6.2	1
21	Lat. 16	20"	1100	6.1	6.9	2
	"	14"	2800	6.0	7.4	
	"	12"	1250	4.5	5.0	
	"	10"	800	4.8	5.6	
	"	6"	130	4.2	4.5	
22	Lat. 17	14"	4854	5.2	7.6	1
23	Lat. 18	6"	1300	4.6	6.1	
24	Lat. 19	8"	1500	4.9	7.0	1
	"	6"	200	4.1	4.5	
25	Lat. 20	16"	1100	5.4	6.6	3
	"	12"	2000	4.8	5.5	
	"	10"	1316	4.7	4.8	
26	Lat. 21	14"	1300	5.1	7.2	2
	"	12"	1900	4.9	5.7	
	"	8"	1300	4.4	5.1	
	"	6"	819	4.8	6.1	
27	Lat. 22	8"	1000	4.1	4.6	2
	"	6"	642	4.1	4.3	
28	Lat. 23	8"	462	5.8	6.6	
29	Lat. 24	18"	1700	5.2	5.6	2
	"	16"	1200	5.0	5.6	
	"	15"	1200	4.9	5.2	
	"	12"	1000	4.9	5.2	
	"	10"	650	4.6	5.5	
	"	6"	2250	4.2	5.5	
30	Lat. 25	6"	1400	4.6	6.6	1
31	Lat. 26	6"	600	4.4	5.7	1
32	Lat. 27	8"	58	4.6	5.3	1
33	Lat. 28	8"	500	5.0	6.3	1
	"	6"	500	5.7	6.4	
34	Lat. 29	6"	900	4.8	6.2	
35	Lat. 30	10"	400	4.9	5.3	2
	"	7"	1065	4.6	5.1	
36	Lat. 31	8"	51	4.5	4.9	1
37	Lat. 32	Open	1878	5.4	5850	Cu.Yd.
38	"	36"	2950	6.8	7.8	7
	"	30"	3200	8.5	11.5	
39	"	28"	900	5.5	6.2	
	"	24"	3000	5.7	7.0	
	"	16"	2500	6.5	9.1	
	"	15"	2250	6.3	8.9	
	"	16"	1350	6.6	8.8	
	"	14"	700	5.1	5.5	
	"	12"	800	4.5	4.9	
	"	10"	600	5.0	7.5	
	"	6"	1040	4.1	7.2	
40	Lat. 33	8"	1726	4.4	5.1	1
41	Lat. 34	5"	300	4.1	4.4	
42	Lat. 35	5"	200	4.2	4.4	
43	Lat. 36	10"	1612	4.4	4.9	1
44	Lat. 37	5"	100	4.0	4.0	
45	Lat. 38	5"	700	4.0	4.2	
46	Lat. 39	24"	550	6.3	6.6	6
		26"	3150	6.5	7.4	
		18"	1650	6.6	7.6	
		24"	1850	6.4	7.9	
		22"	3400	5.9	6.8	
		18"	1600	4.7	5.4	
		14"	1300	5.1	5.5	
		12"	1550	5.6	6.8	
		6"	850	4.5	5.5	
47	Lat. 40	10"	520	5.3	6.9	3
		8"	680	5.5	7.0	
		6"	357	5.1	5.8	
48	Lat. 41	5"	200	3.9	4.1	
49	Lat. 42	5"	400	4.7	4.9	
50	Lat. 43	6"	400	3.8	4.3	
		5"	200	4.1	4.3	
51	Lat. 44	5"	200	3.6	3.7	
52	Lat. 45	6"	1400	4.2	5.0	1
53	Lat. 46	10"	1500	6.1	7.5	1
		7"	1398	4.8	5.5	
54	Lat. 47	6"	370	5.6	6.3	
55	Lat. 48	5"	600	4.1	4.6	
56	Lat. 49	10"	500	5.0	5.3	3
		8"	850	4.3	4.8	
		10"	950	5.8	6.5	
		8"	1400	4.7	7.8	
		6"	500	3.9	4.4	
		5"	500	3.9	4.2	
57	Lat. 50	5"	400	3.9	4.8	
58	Lat. 51	7"	971	4.4	5.5	
59	Lat. 52	12"	282	5.3	5.4	1
60	Lat. 53	7"	642	4.3	4.8	
61	Lat. 54	8"	373	4.7	5.5	
62	Lat. 55	12"	700	4.8	5.0	1
	"	10"	1560	5.0	5.9	
63	Lat. 56	6"	826	4.5	5.3	1
64	Lat. 57	8"	700	4.4	5.3	1
	"	6"	682	4.1	4.4	
65	Lat. 58	10"	1400	5.1	7.5	1
66	Lat. 59	6"	53	4.2	4.3	
67	Lat. 60	10"	700	4.6	6.0	1
	"	6"	200	4.5	4.9	
68	Lat. 61	10"	900	5.2	6.3	1
	"	6"	700	4.5	5.1	
69	Lat. 62	12"	150	7.3	7.9	1



PROFILE OF

DRAINAGE DISTRICT 106

BUENA VISTA COUNTY IA

In Barnes and Scott Townships (T93N-R37W & T92N-R37W

HANS OLSON ET AL. PETITIONERS

Scale $\boxed{100}$

A.H. CUNNINGHAM ENGINEER

Storm Lake Iowa

Lats 1-9

Sh. 2

TABLE OF DRAINS

Sec.	Drain	Size	Length	Av.Dep.	Gr.Dep.	
14	Lat.10	24"	7000	6.4	9.9	6
15	"	22"	2700	6.3	8.0	
	"	20"	500	6.8	7.5	
	"	18"	1300	6.1	8.0	
	"	16"	1100	6.1	8.0	
	"	15"	1400	5.9	8.3	
	"	14"	1400	5.4	6.0	
	"	12"	475	4.6	4.9	
16	Lat.11	10"	1700	5.2	9.8	
	"	8"	574	4.6	5.7	
17	Lat.12	6"	400	4.5	5.2	
25	Lat.20	16"	1100	5.4	6.6	3
	"	12"	2000	4.8	5.5	
	"	10"	1316	4.7	4.8	
26	Lat.21	14"	1300	5.1	7.2	2
	"	12"	1400	4.9	5.7	
	"	8"	1300	4.4	5.1	
	"	6"	819	4.8	6.1	
27	Lat.22	8"	1000	4.1	4.6	2
	"	6"	642	4.1	4.3	
28	Lat.23	8"	462	5.8	6.6	
30	Lat.25	6"	1400	4.6	6.6	1
31	Lat.26	6"	600	4.4	5.7	1
32	Lat.27	8"	58	4.6	5.3	1

PROFILE OF
DRAINAGE DISTRICT 106
BUENA VISTA COUNTY IA.

In Barnes and Scott Townships (T93N.R.37W & T92N.R.37W)

HANS OLSON Et AL. PETITIONERS
Scale 1/100 A.H. CUNNINGHAM ENGINEER
Storm Lake Iowa
Lats. 10, 11, 12, 20, 21, 22, 23, 25, 26, 27

Sh. 3

PROFILE OF
DRAINAGE DISTRICT 106
BUENA VISTA COUNTY IA.

Barnes and Scott Townships (T93N R37W & T92N R37W)

HANS OLSON ET AL. PETITIONERS
Scale 1"=100'
A.H. CUNNINGHAM ENGINEER
Storm Lake Iowa

Lats. 24, 28-32, 54-62

Sh. 4

TABLE OF DRAINS						
Sec.	Drain	Size	Length	Av. Dep.	Gr. Dep.	Inlets
	Lat. 24	18"	1700	5.2	5.6	
	"	16"	1200	5.0	5.6	
	"	15"	1200	4.9	5.2	
	"	12"	1000	4.9	5.2	
	"	10"	650	4.6	5.5	
	"	6"	2250	4.2	5.5	
	Lat. 28	8"	500	5.0	6.3	
	"	6"	500	5.7	6.4	
Continued below						

Table of Drains, Continued.						
Sec.	Drain	Size	Length	Av. Dep.	Gr. Dep.	Inlets
34	Lat. 29	6"	900	4.8	6.2	
35	Lat. 30	10"	400	4.6	5.3	2
	"	7"	1065	4.5	5.1	
36	Lat. 31	8"	51	4.5	4.9	1
37	Lat. 32	Open	1878	5.4	8.0 -	5850 C.Yd.
	"	36"	2950	6.8	7.8	7
	"	30"	3200	8.5	11.5	
	"	28"	900	5.5	6.2	
	"	24"	3000	5.7	7.0	
	"	16"	2500	6.5	9.1	
	"	15"	2250	6.3	8.9	
	"	16"	1350	6.6	8.8	
	"	14"	700	5.1	5.5	
	"	12"	800	4.5	4.9	
	"	10"	600	5.0	7.5	
	"	6"	1040	4.1	7.2	
62	Lat. 54	8"	373	4.7	5.5	
62	Lat. 55	12"	700	4.8	5.0	1
	"	10"	1560	5.0	5.9	
63	Lat. 56	6"	826	4.5	5.3	1
64	Lat. 57	8"	700	4.4	5.3	1
	"	6"	682	4.1	4.4	
65	Lat. 58	10"	1400	5.1	7.5	1
66	Lat. 59	6"	53	4.2	4.3	
67	Lat. 60	10"	700	4.6	6.0	1
	"	6"	200	4.5	4.9	
68	Lat. 61	10"	900	5.2	6.3	1
	"	6"	700	4.5	5.7	
69	Lat. 62	12"	150	7.3	7.9	1

TABLE OF DRAINS

Sec.	Drain	Size	Length	Av. Dep.	Gr. Dep.	Inlets
40	Lat. 33	8"	1726	4.4	5.1	1
41	34	5"	300	4.1	4.4	
42	35	5"	200	4.2	4.4	
43	36	10"	1612	4.4	4.9	1
44	37	5"	100	4.0	4.0	
45	38	5"	700	4.0	4.2	
46	39	24"	550	6.3	6.6	6
	"	26"	3150	6.5	7.4	
	"	18"	1650	6.6	7.6	
	"	24"	1850	6.4	7.9	
	"	22"	3400	5.9	6.8	
	"	18"	1600	4.7	5.4	
	"	14"	1300	5.1	5.5	
	"	12"	1550	5.6	6.8	
	"	6"	1228	4.5	5.5	
47	40	10"	520	5.3	6.9	3
	"	8"	680	5.5	7.0	
	"	6"	357	5.1	5.8	
48	41	5"	200	3.9	4.1	

TABLE OF DRAINS, Continued.

Sec.	Drain	Size	Length	Av. Dep.	Gr. Dep.	Inlets
49	Lat. 42	5"	400	4.7	4.9	
50	43	6"	400	3.8	4.3	
	"	5"	200	4.1	4.3	
51	44	5"	200	3.6	3.7	
52	45	6"	1400	4.2	5.0	1
53	46	10"	1500	6.1	7.5	1
	"	7"	1398	4.8	5.5	
54	47	6"	370	5.6	6.3	
55	48	5"	600	4.1	4.6	
56	49	10"	500	5.0	5.3	3
	"	8"	850	4.3	4.8	
	"	10"	950	5.8	6.6	
	"	8"	1400	4.7	7.8	
	"	6"	500	3.9	4.4	
	"	5"	500	3.9	4.2	
57	50	5"	400	3.9	4.8	
58	51	7"	971	4.4	5.5	
59	52	12"	282	5.3	5.4	1
60	53	7"	642	4.3	4.8	

PROFILE OF
DRAINAGE DISTRICT 106
BUENA VISTA COUNTY, IA.

in Barnes and Scott Townships (T93NR37W & T92NR37W)
HANS OLSON ET AL., PETITIONERS
Scale 1/100
A.H. CUNNINGHAM, ENGINEER
Storm Lake, Iowa, March, 1917.

Lats. 33-53

D.P.D.

Sh. 5