



**BOLTON
& MENK**

Real People. Real Solutions.

Report of

Classification Commission

Drainage District No. 11

Laterals 67 & 35

Worth County, Iowa

2017

Submitted by:

Bolton & Menk, Inc.
218 11th St SW
Spencer, IA 51301
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Report
of
Classification Commission

Drainage District No. 11
Laterals 67 & 35
Worth County, Iowa
P12.111772

2017

Report of Classification Commission

Appendix

Appendix A: Combined Benefits Schedule

Appendix B: Lateral 35

Appendix C: Laterals 67 & 67-A

Appendix D: Existing District Facilities & History

**REPORT OF CLASSIFICATION COMMISSION
RECLASSIFICATION OF BENEFITS
DRAINAGE DISTRICT NO. 11
LATERALS 67 & 35
WORTH COUNTY, IOWA
2017**

We, Ken Sweetland, Chad Nelson, landowners in Worth County, and Jonathan Rosengren, engineer are the commissioners duly appointed to reclassify lands within the boundaries of Drainage District No. 11, Laterals 67 & 35 in Worth County, Iowa. Pursuant to our appointment we have examined each and every benefited parcel within the district and as recommended in the engineer's report on file in the office of the County Auditor. Each ¼-¼ section or smaller tract of land within the district has been classified and the percentages of benefit each parcel derives from the facilities.

The existing facilities of DD 11 Lat 67 & 35 are shown on maps in the supervisors room at the Worth County Courthouse and on the county GIS data. While researching existing facilities for this reclassification, we have found that only a portion of the tile shown as district facilities on the several maps were actually built by the district. A brief history of when the district facilities in the Laterals 67 & 35 benefited area were constructed is included in Appendix D of this report.

In 2013 hearings were held on improvements to benefit the Laterals 67 & 35 watershed. At that hearing a repair of the Lateral 35 tile was approved which resulted in the lower end of Lateral 35 to be redirected away from the combined Main in Section 20, south to the Main G Open Ditch. As a commission, we have reviewed the benefits derived by both Lateral 35 and Lateral 67 for diverting the Lateral 35 Tile. We recommend and report a division of 87.8% of the 2013 assessment to the Lateral 35 area and the remaining 12.2% to the Lateral 67 & 67B area with a one time use assessment schedule. This schedule will be used only to spread the costs associated with the 2013 improvements. All future repairs should be spread upon the maintenance schedules reported below.

We recommend and report two assessment schedules herein to be used for future maintenance and other costs that may arise within the benefited area of these facilities. Set beside the new schedule is a basis cost. The basis cost is assumed and should not be considered a cost of the completed work and will not be used to assess any portion of the 2013 work. We have apportioned this basis to the lands determined to be benefited by each named facility to serve as a basis for the allocation of future costs associated with the named improvement.

<u>New Schedule</u>	<u>Basis Cost</u>
Lateral 35	\$10,000
Laterals 67 & 67B	\$10,000

Accordingly, we herewith submit our report. The schedule presents in tabular form for each benefited parcel:

The names of the owners and legal description thereof as shown on the transfer books in the Auditor's office.

- 1.The parcel number.
- 2.The number of benefited acres.
- 3.The classification or percentage of benefits derived relative to the total assessment.
- 4.The classification or percentage of benefits derived relative to a 100% benefit assigned to the tract having the greatest benefit (Benefit Rating)
- 5.Apportionment for the future maintenance cost basis according to our classification of the

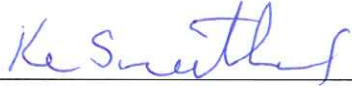
benefited lands.

The schedules also show benefits to the county secondary roads.

Included with this report are the assessment schedules and plats.

It is the recommendation of the commissioners that this report be adopted.

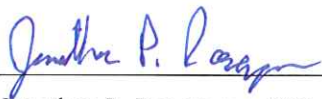
Respectfully submitted,



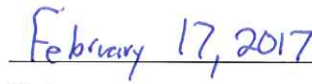
Ken Sweetland, Landowner



Chad Nelson, Landowner

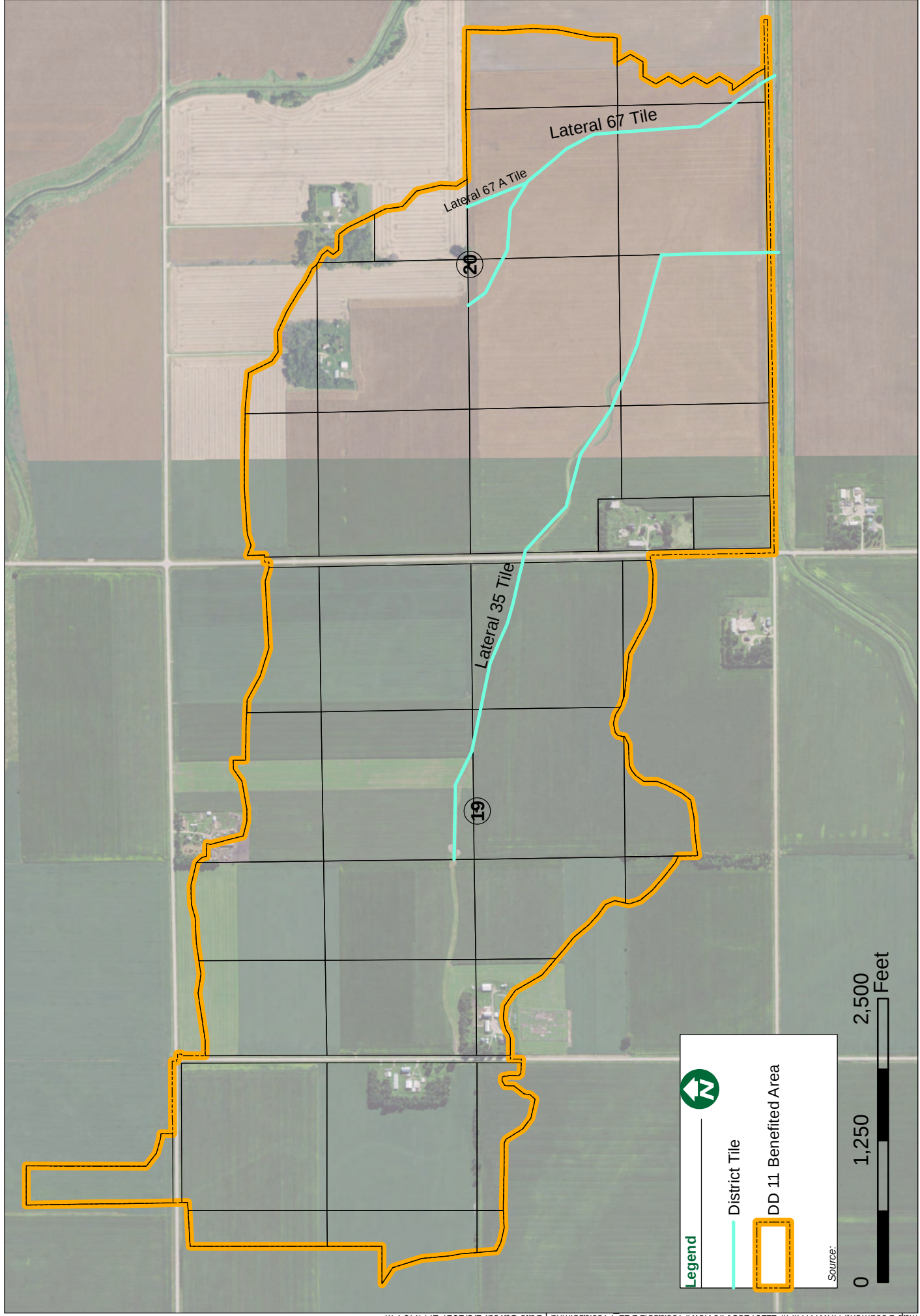


Jonathan P. Rosengren, P.E.
Iowa Registration No. 21661



Date

Appendix A: Combined Benefits Schedule



**COMBINED BENEFITS SCHEDULE
ALL 2013 IMPROVEMENTS
DRAINAGE DISTRICT NO. 11
WORTH COUNTY, IOWA**

One time use schedule for payment of all costs associated with the 2013 improvements project.

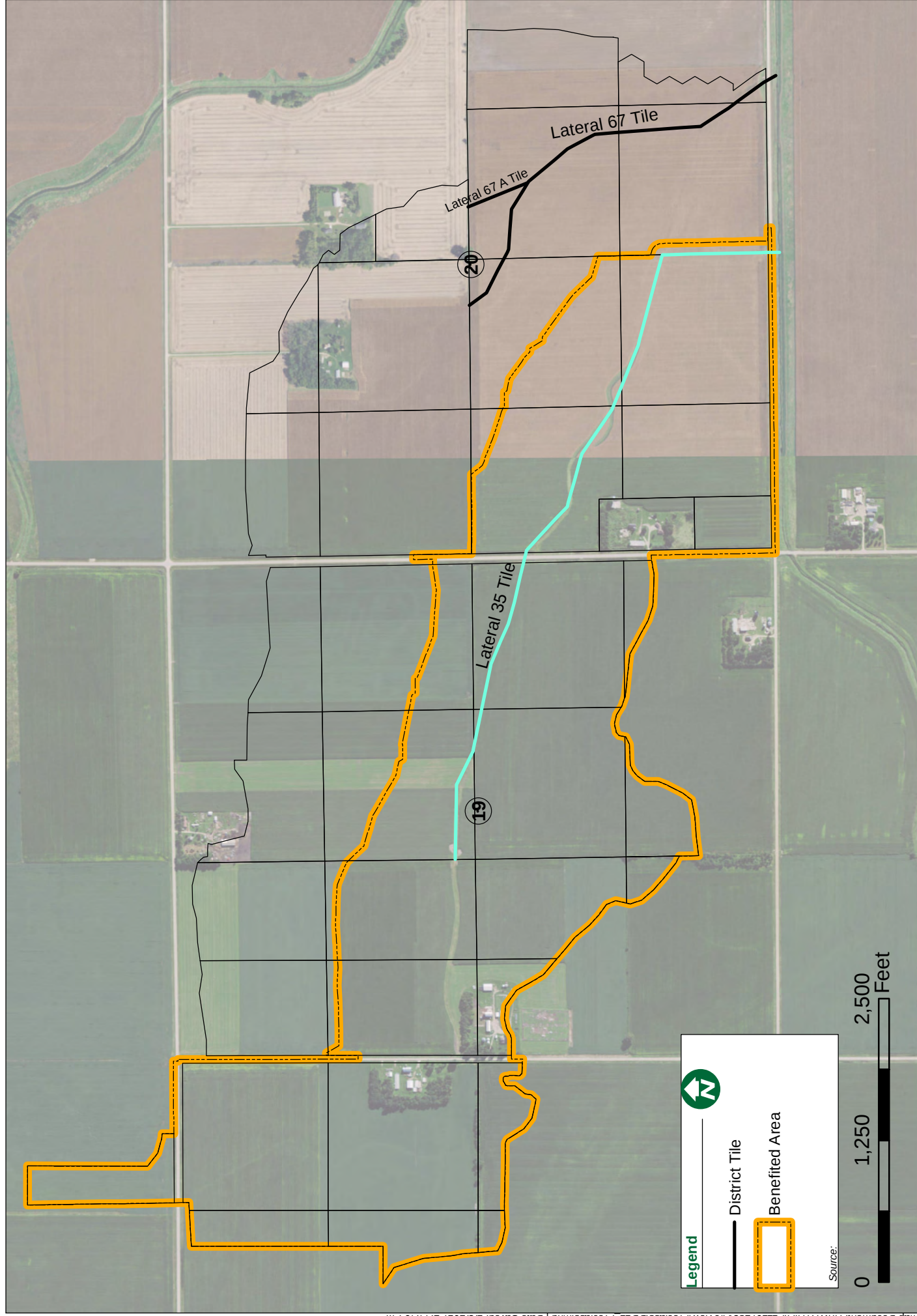
Deedholder(s)	Parcel Number	Sec-Twp -Rng	Description	Benefited Acres	Classification (%)	Base Assessment (\$)
BRUNSVOLD, PIEPER &	0313400004	13-100-20	SE SE	10.8	6.11	489.14
COTTER, MARTIN J. &	0420200006	20-100-19	PAR. IN NW NE	2.8	0.41	32.43
DAVIDSON, OMER	0420200007	20-100-19	SW NE EX.	10.8	2.27	181.31
GENTZ, RONOLD R.	0419300004	19-100-19	SE SW	2.9	1.68	134.39
GULLICKSON, AMY M. & JEAN A.	0324400001	24-100-20	NW SE	1.9	1.02	81.28
	0324400002	24-100-20	NE SE	9.6	5.52	441.40
HENDRICKSON, HORACE H & ANN H	0420100003	20-100-19	SW NW	40.00	6.03	482.28
	0420100004	20-100-19	SE NW	40.00	7.67	613.84
	0420100001	20-100-19	NW NW	18.6	2.18	174.15
	0420100002	20-100-19	NE NW	11.0	1.28	102.45
MMH IOWA ENTERPRISES, LLC	0419400003	19-100-19	SW SE	9.3	6.68	534.36
	0419400005	19-100-22	SE SE EX. PAR.	4.2	3.97	317.53
	0419400001	19-100-19	NW SE	40.0	42.19	3,375.81
	0419400002	19-100-19	NE SE	39.4	55.85	4,468.21
MORETZ, DEAN & MORETZ, TANNA	0420300004	20-100-19	SE SW	40.00	100.00	8,001.03
	0420300008	20-100-19	SW SW EX.	24.85	22.95	1,836.06
	0420300006	20-100-19	NW SW EX.	37.47	69.71	5,577.33
	0420300002	20-100-19	NE SW	40.00	55.74	4,459.81
	0420300010	20-100-19	PAR. "A" IN SW	8.19	2.87	229.26
MORETZ, JEFFREY D. &	0420300009	20-100-19	PAR. IN SW SW	9.49	8.21	656.89
STAYNER, GRAYLING W. & MARILYN K.	0419200003	19-100-19	SW NE	40.00	24.95	1,996.20
	0419200004	19-100-19	SE NE	40.00	18.95	1,515.86
	0419200001	19-100-19	NW NE	22.5	2.51	200.51
	0419200002	19-100-19	NE NE	14.9	1.53	122.39
STEVENS, ALAN L. TRUST UND 1/2 & MAVIS E. TRST UND	0419100003	19-100-19	SW NW	26.41	15.08	1,206.74
	0419100004	19-100-19	SE NW	26.41	19.43	1,554.32
	0419300001	19-100-19	NW SW	7.2	2.76	220.55

**COMBINED BENEFITS SCHEDULE
ALL 2013 IMPROVEMENTS
DRAINAGE DISTRICT NO. 11
WORTH COUNTY, IOWA**

One time use schedule for payment of all costs associated with the 2013 improvements project.

Deedholder(s)	Parcel Number	Sec-Twp -Rng	Description	Benefited Acres	Classification (%)	Base Assessment (\$)
STEVENS, ALAN L.	0419300002	19-100-19	NE SW	22.7	15.78	1,262.56
TRUST UND 1/2 &	0324200003	24-100-20	SW NE	12.0	7.59	607.19
MAVIS E. TRST UND	0324200004	24-100-20	SE NE	40.00	22.16	1,772.74
1/2	0324200001	24-100-20	NW NE	8.9	4.50	359.97
	0324200002	24-100-20	NE NE	38.1	20.83	1,666.45
	0419100001	19-100-19	NW NW	21.1	1.67	133.93
	0419100002	19-100-19	NE NW	22.9	2.27	181.64
STOFFREGEN, CHARLES	0420400003	20-100-19	SW SE	40.00	27.78	2,222.68
E.	0420400001	20-100-19	NW SE	40.00	12.10	967.95
	0420400002	20-100-19	NE SE	20.5	4.86	388.85
	0420400004	20-100-19	SE SE	7.4	2.75	220.06
Worth County		0-0-0		19.3	15.13	1,210.45
TOTALS				871.62	ac	50,000.00

Appendix B: Lateral 35



FUTURE MAINTENANCE ASSESSMENT SCHEDULE

LATERAL 35

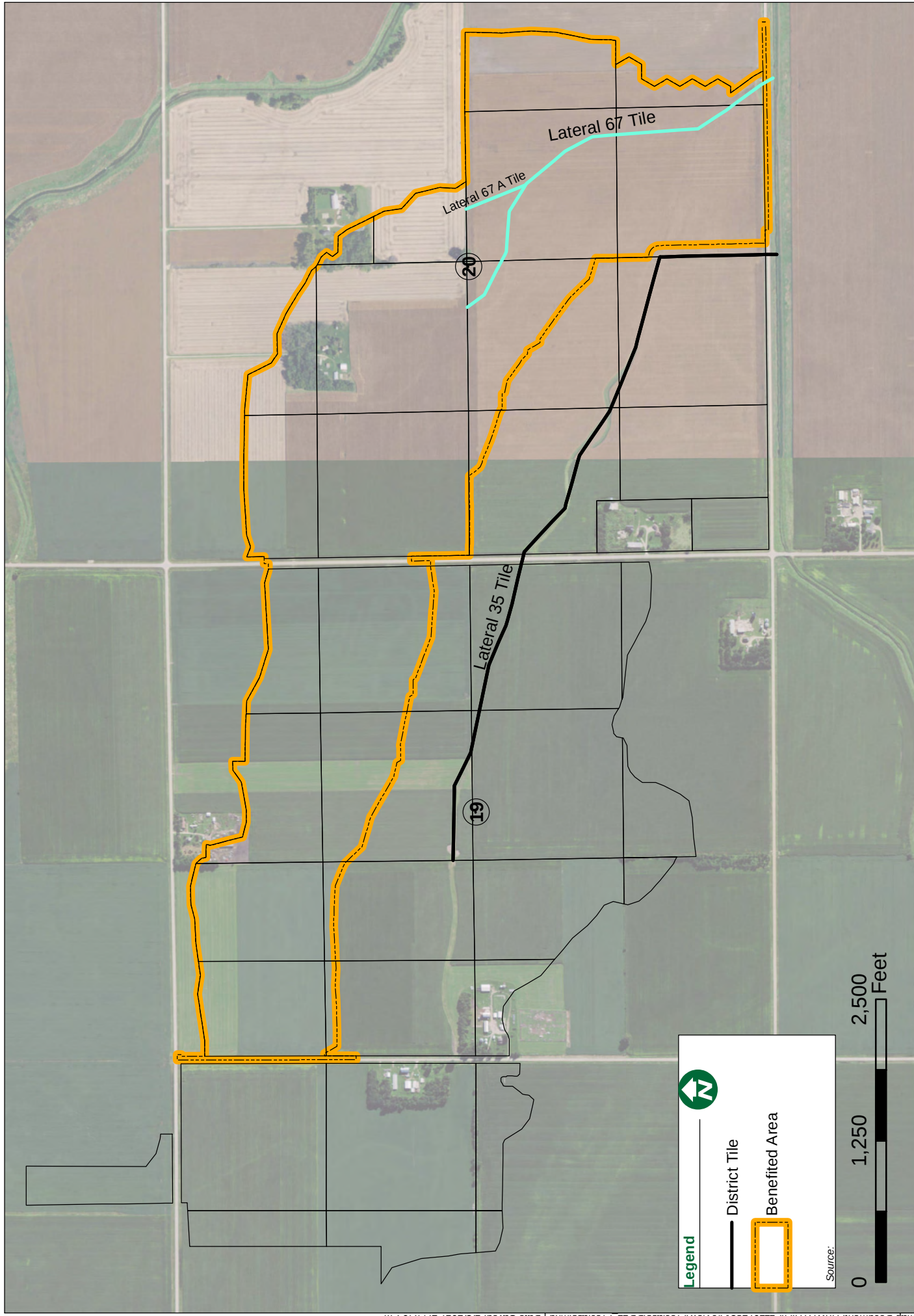
DRAINAGE DISTRICT NO. 11

WORTH COUNTY, IOWA

For Future Maintenance and 2017 Reclassification Costs Only.

Deedholder(s)	Parcel Number	Sec-Twp -Rng	Description	Benefited Acres	Classification (%)	Assessment (\$)
BRUNSVOLD, PIEPER & MORETZ, TANNA	0313400004	13-100-20	SE SE	10.8	19.83	238.14
GENTZ, RONOLD R. REV TRUST	0419300004	19-100-19	SE SW	2.9	4.08	49.01
GULLICKSON, AMY M. & JEAN A.	0324400002	24-100-20	NE SE	9.6	17.92	215.24
	0324400001	24-100-20	NW SE	1.8	3.29	39.57
MMH IOWA ENTERPRISES, LLC	0419400001	19-100-19	NW SE	40.0	100.00	1,201.08
	0419400002	19-100-19	NE SE	39.4	86.76	1,042.06
	0419400003	19-100-19	SW SE	9.3	15.91	191.06
	0419400005	19-100-22	SE SE EX.	4.2	5.64	67.78
MORETZ, DEAN & MORETZ, TANNA	0420300004	20-100-19	SE SW	40.00	25.83	310.18
	0420300006	20-100-19	NW SW EX.	34.6	56.83	682.54
	0420300002	20-100-19	NE SW	20.0	17.92	215.24
	0420300008	20-100-19	SW SW EX.	24.85	10.03	120.47
	0420300010	20-100-19	PAR. "A" IN SW	8.19	0.64	7.64
MORETZ, JEFFREY D. & MICHELLE	0420300009	20-100-19	PAR. IN SW SW EX	9.49	6.23	74.86
STAYNER, GRAYLING W. & MARILYN K.	0419200003	19-100-19	SW NE	23.6	61.63	740.26
	0419200004	19-100-19	SE NE	11.8	26.60	319.48
STEVENS, ALAN L. TRUST UND 1/2 & MAVIS E. TRST UND 1/2	0324200004	24-100-20	SE NE	40.00	71.86	863.04
	0324200002	24-100-20	NE NE	38.1	67.55	811.30
	0419100004	19-100-19	SE NW	24.6	62.26	747.78
	0419300002	19-100-19	NE SW	22.7	51.04	613.01
	0419100003	19-100-19	SW NW	23.8	48.45	581.93
	0324200003	24-100-20	SW NE	12.0	24.61	295.61
	0324200001	24-100-20	NW NE	8.9	14.59	175.25
	0419300001	19-100-19	NW SW	7.2	8.94	107.38
STOFFREGEN, CHARLES E.	0420400003	20-100-19	SW SE	2.3	1.88	22.58
Worth County Secondary Roads		0-0-0		13.1	22.27	267.51
Total				483.2 ac		\$10,000.00

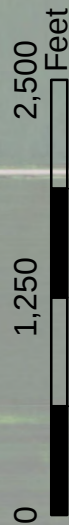
Appendix C: Laterals 67 & 67-A



Legend

- North
- District Tile
- Benefited Area

Source:



FUTURE MAINTENANCE ASSESSMENT SCHEDULE

BRANCH 67 & 67-A

DRAINAGE DISTRICT NO. 11

WORTH COUNTY, IOWA

For Future Maintenance and 2017 Reclassification Costs Only.

Deedholder(s)	Parcel Number	Sec-Twp -Rng	Legal Description	Benefited Acres	Classification (%)	Assessment (\$)
COTTER, MARTIN J. & JOLENE L.	0420200006	20-100-19	PAR. IN NW NE (1.59LESS 0.03	2.8	3.27	57.13
DAVIDSON, OMER TRUST	0420200007	20-100-19	SW NE EX. PAR.	10.8	17.79	310.67
HENDRICKSON, HORACE H & ANN H	0420100004	20-100-19	SE NW	40.00	100.00	1,746.65
	0420100003	20-100-19	SW NW	40.00	75.64	1,321.18
	0420100001	20-100-19	NW NW	18.6	26.91	469.94
	0420100002	20-100-19	NE NW	11.0	16.12	281.52
MORETZ, DEAN & TANNA	0420300002	20-100-19	NE SW	20.5	42.48	741.90
	0420300006	20-100-19	NW SW EX. PAR.	2.4	4.09	71.51
STAYNER, GRAYLING W. & MARILYN K.	0419200004	19-100-19	SE NE	27.4	44.06	769.61
	0419200001	19-100-19	NW NE	22.5	29.24	510.75
	0419200003	19-100-19	SW NE	16.8	22.50	393.04
	0419200002	19-100-19	NE NE	14.9	18.29	319.43
STEVENS, ALAN L. TRUST	0419100002	19-100-19	NE NW	22.9	26.09	455.69
UND 1/2 & MAVIS E. TRST	0419100001	19-100-19	NW NW	21.1	18.97	331.39
UND 1/2	0419100004	19-100-19	SE NW	2.2	2.64	46.18
	0419100003	19-100-19	SW NW	1.8	1.63	28.44
STOFFREGEN, CHARLES E.	0420400001	20-100-19	NW SE	40.00	71.19	1,243.36
	0420400003	20-100-19	SW SE	37.3	24.97	436.14
	0420400002	20-100-19	NE SE	20.6	12.66	221.15
	0420400004	20-100-19	SE SE	8.4	5.93	103.54
Worth County Secondary Roads		0-0-0		6.3	8.06	140.78
Total				388.3 ac		\$10,000.00

Appendix D: Existing District Facilities & History

History of Laterals 67 & 35
Drainage District No. 11
Worth County, Iowa

August 4, 1911 – Engineer's Report filed describing Main H running north along the N-S $\frac{1}{4}$ line of to the center of Section 20. Lateral 35 dumped to the Main H and ran north and west approximately 3 miles to the NE corner of Section 23. Lateral 35 also included Lateral 35-A in the NW NE of Section 24.

June 28, 1912 – Second amended Engineer's Report filed deleting Main H and adding Lateral 67 to serve former Main H watershed. Lateral 67-A added near the center of Section 20 and Lateral 35 extended to Lateral 67.

c. 1912 – Notice to Bidders describing facilities to be built. Lateral 35 is renamed Lateral 67-B.

Lateral 67

760 LF 22" Tile

1,240 LF 16" Tile

1,870 LF 14" Tile

Lateral 67 was 3,870 feet long running from Main G to near the center of Section 20.

Lateral 67-A

368 LF 8" Tile

Lateral 67-A provides an outlet for the NE $\frac{1}{4}$ of Section 20

Lateral 67-B (Formerly Lateral 35)

4,105 LF 18" Tile

2,785 LF 16" Tile

Lateral 67-B was 6,890 feet long running from the SW SE of Section 20 to near the N-S $\frac{1}{4}$ line of Section 19

1976 – Lateral 67 paralleled as part of improvements throughout DD 11.

2013 – New outlet for Lateral 67-B (Lateral 35) running along N-S $\frac{1}{4}$ line of Section 20 separates the two halves of the watershed.

DILEMMA NO. 10

EXHIBIT 6—Detail Plat No. 5 Showing Sections 19, 20, 29 and 30 in Deer Creek Township.

Original Engineer's
Report Plat

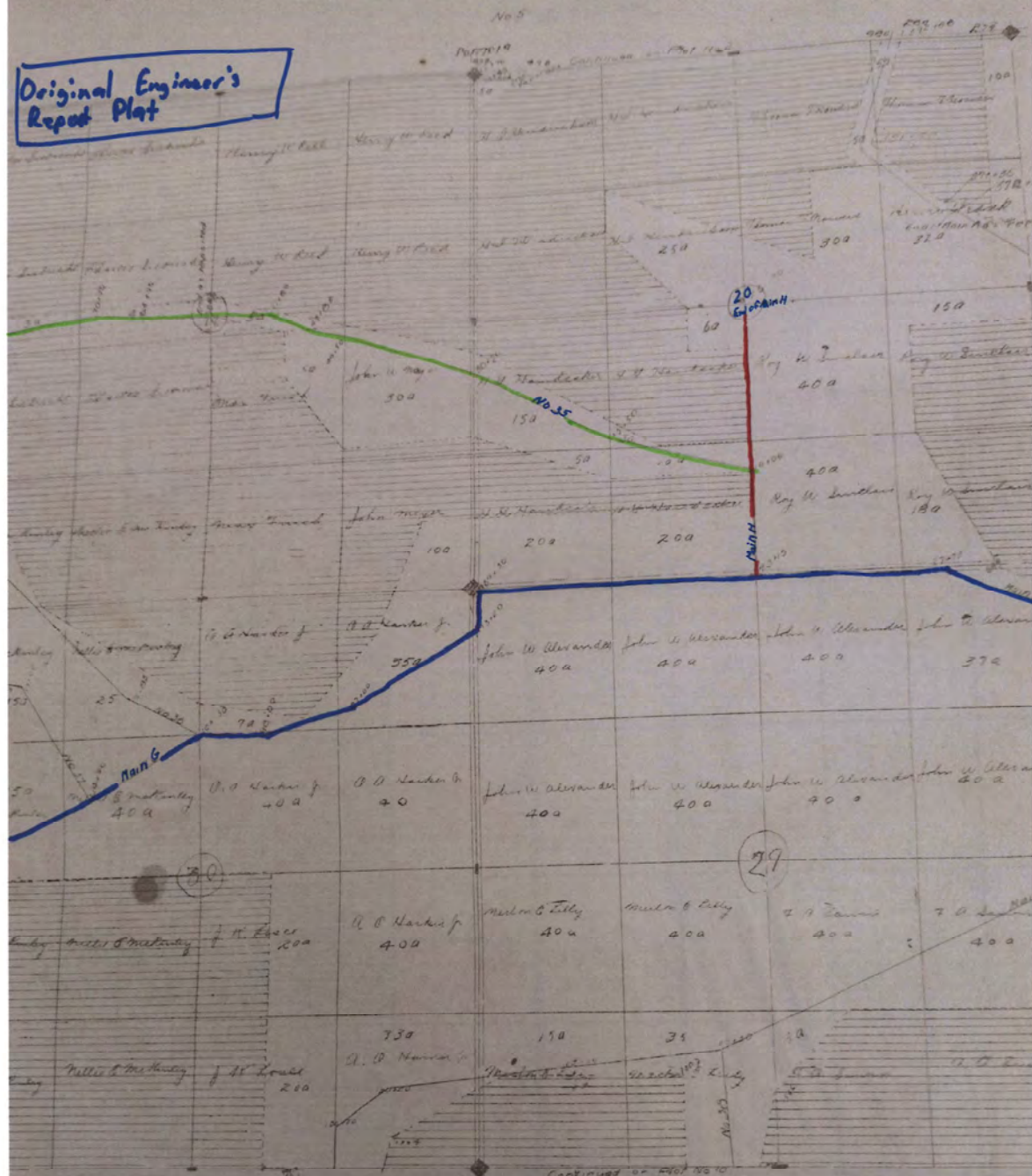
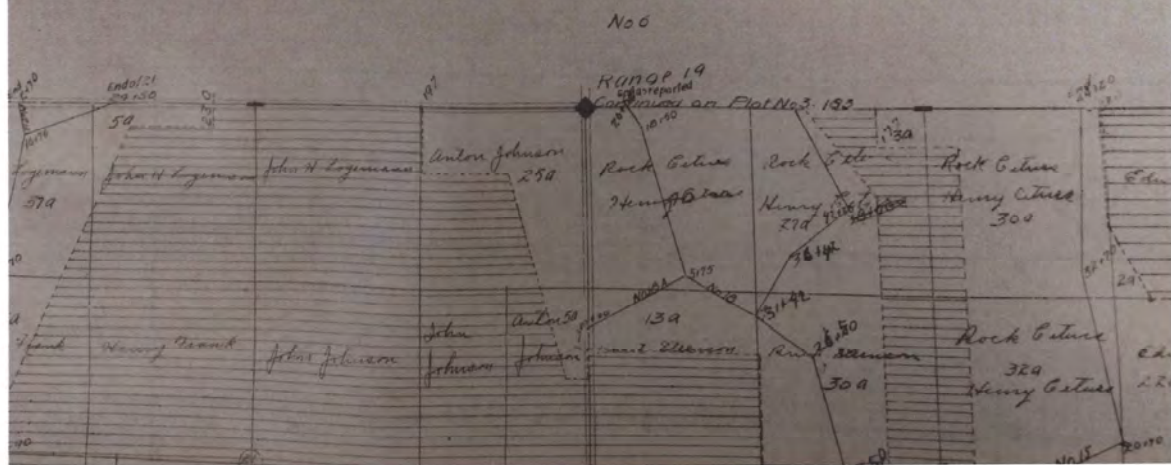


EXHIBIT 7—Ee'ail Plat No. 6 Showing Sections 21, 22, 27 and 28 in Deer Creek Township.



Engineer's Second Additional Report, filed June 28th, 1912.

Before the Board of Supervisors of Worth County, Iowa.
Session of June 28, 1912.
In the matter of the Petition of J. W. Alexander and others and of F. C. Brennecke for
Drainage Districts.

SECOND SUPPLEMENTAL REPORT OF ENGINEER.

To the Board of Supervisors of Worth County, Iowa:

Comes now Frank Forbes, the duly appointed engineer in the above entitled case and makes the following as his second supplemental report.

In the matter of the boundary of the district, I recommend the inclusion in the district of the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Sec. Nine in Deer Creek township owned by Emma J. Forbes, in which there is five acres in the SW corner which needs tiling and needs outlet in the drainage system provided for in my survey.

In the matter of the location of drains and specifications therefore, I recommend that ~~it~~ it ~~be abandoned~~ and that a drain ~~can~~ be established, (beginning at Sta. 27 plus 75 of Main G and running in a northwesterly direction to a point about 350 feet west of the center of Sec. 20 which should be 20" tile to Sta. 8 plus 60, 14" tile to 24 plus 70 and 12" tile to the end at 36 plus 60, said line to be known as lateral No. 67) and another line (beginning at 24 plus 70 of Lat. 67 running northwest to a point 420 feet east of center of Sec. 20 which shall be 435 feet long of 8" tile to be known as 67 A) and that Lat. 35 be extended to Sta. 8 plus 60 of Lat. 67 which extension shall be 1130 feet of 18" tile.) Said lines and extension will cost approximately \$2500. I also recommend that Main G be changed from Sta. 69 plus 30 to Sta. 87, so it will run in a straight line between said two stations. Such change will be a saving of approximately \$100.00 I also recommend that the location of Main C from Sta. 0 to Sta. 14 be changed so that the east edge of the ditch, when completed shall

Length 1250 ft.
 Polan 2 miles.
 LATERAL 53-D -1 ~ 0 to 12 plus 50.
 Tile 10 inch. Ave. Cut 4.31. Grade .10.
 Tile delivered \$ 112
 Lay and fill \$8.40 per 100 ft. .. \$ 105
 Total \$ 217
 TOTAL FOR SECTION 58 \$9591

SECTION 67
 LATERAL 67 - First piece 0 to 7 plus 60
 Tile 22 inch. Ave. Cut 3.30. Grade .05.
 Length 750 ft. Tile 22 inch. Ave. Cut 3.30. Grade .05.
 Northwood 7 miles. Head wall 9 cu. yds. One 24 x 24 y-tile.
 Head wall and protector \$ 90
 Tile delivered \$ 509
 Lay and fill \$9.00 per 100 ft. .. \$ 70
 Total \$ 669

LATERAL 67 - Second piece 7 plus 60 to 20.
 Tile 16 inch. Ave. Cut 3.47. Grade .05.
 Length 1240 ft. Tile delivered \$ 378
 Northwood 7 miles. Lay and fill \$7.90 per 100 ft. .. \$ 98
 Total \$ 476

Length 1870 ft.
Northwood 7 miles.

LATERAL 67 - Third piece 20 to 38 plus 70.
Tile 14 inch. Ave. Cut 4.00. Grade .25.

Tile delivered	\$ 411
Lay and fill \$8.80 per 100 ft...	\$ 161
Total	\$ 575

Length 368 ft.
Northwood 7 miles.

LATERAL 67-A - 0 to 3 plus 68.
Tile .8 inch. Ave. Cut 4.68. Grade .25.

Tile delivered	\$ 22
Lay and fill \$7.80 per 100 ft...	\$ 28
Total	\$ 50

LATERAL 67-B (formerly 35) - First piece - 0 to 41 plus .05.
Length 4105 ft. Tile 18 inch. Ave. Cut 4.60. Grade .10 to Sta. 20,
.20 to End. Northwood 7 miles.

Tile delivered	\$ 1555
Lay and fill \$12.00 per 100 ft...	\$ 492
Total	\$ 2047

LATERAL 67-B - Second Piece 41 plus 05 to 68 plus 90.
Length 2785 ft. Tile 16 inch. Ave. Cut 5.70. Grade .20.

Northwood 7 miles.

Tile delivered	\$ 850
Lay and fill, \$16.00 per 100 ft...	\$ 445
total	\$ 1295
TOTAL FOR SECTION 67	\$ 5112

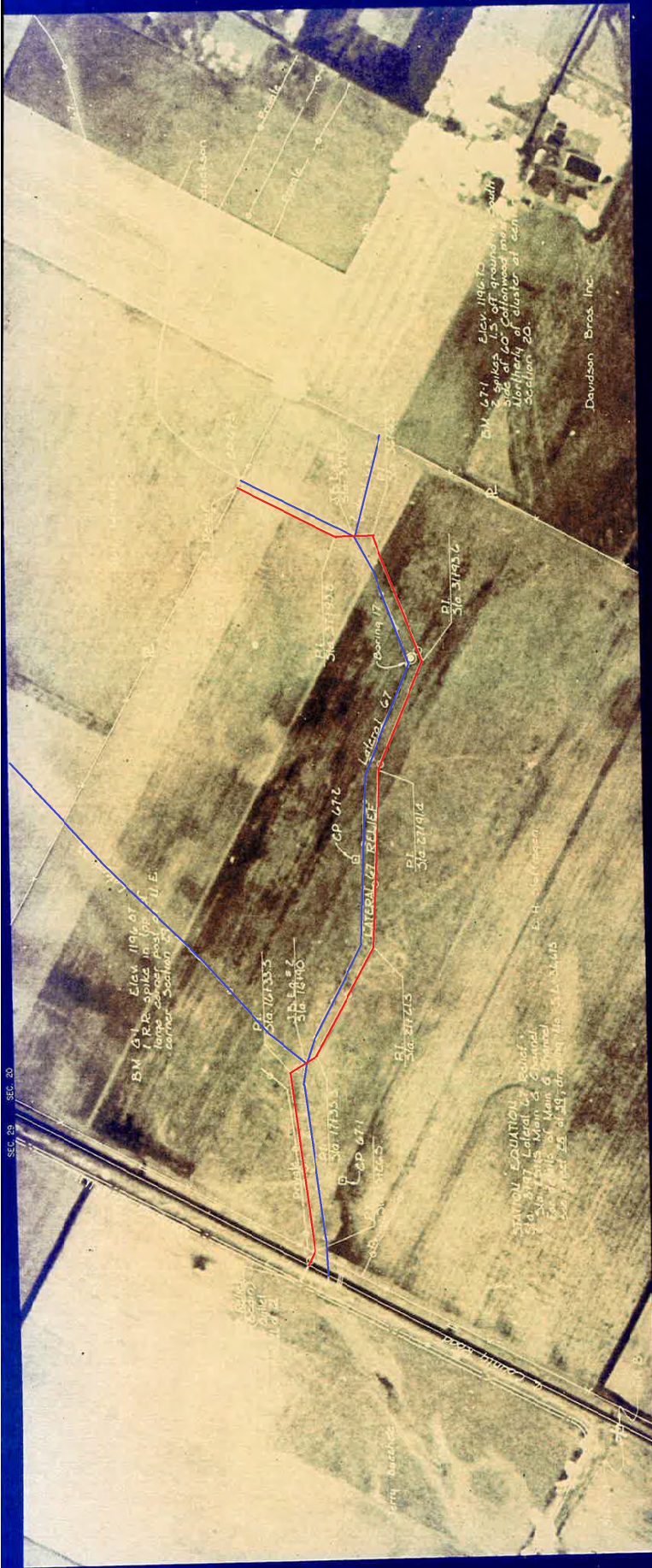
SECTION 68.

LATERAL 68 - 0 to 13 plus 36.
Length 1376 ft. Tile 10 inch. Ave. Cut 4.30. Grade .60.
Northwood 5 miles. Head wall 9 cu. yds.

Head wall and protector

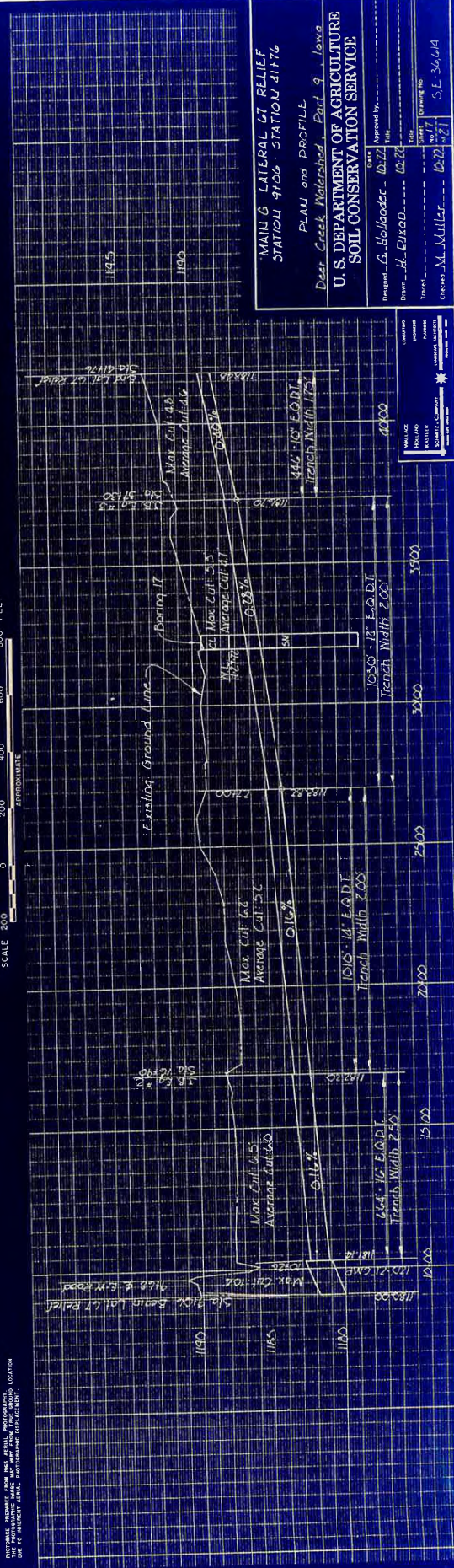
\$ 90
\$ 133

SEC. 29 SEC. 20



NOT SCALE. DISTANCES AND ANGLES, ELEVATIONS, LOCATIONS, AND DIRECTIONAL DATA ARE NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THEY WERE PREPARED.

SCALE 800 0 200 400 600 800 FEET



MAIN G LATERAL RELIEF
STATION 900 - STATION 1176
PLAN and PROFILE
Deer Creek Watershed, Part 9, Iowa
U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Engineer: G. Holladay - 10/27/77
Drawn: H. Dikow - 10/27/77
Checked: M. Muller - 10/27/77
Scale: 1" = 100' (Plan), 1" = 10' (Profile)

