

Drain: STUART - RAWLINGS Drain #: 68

Improvement/Arm: _____

Operator: J. LIVINGSTON Date: 6-23-04

Drain Classification: Urban/Rural Year Installed: 1904

GIS Drain Input Checklist

- Pull Source Documents for Scanning
- Digitize & Attribute Tile Drains
- Digitize & Attribute Storm Drains
- Digitize & Attribute SSD
- Digitize & Attribute Open Ditch
- Stamp Plans
- Sum drain lengths & Validate
- Enter Improvements into Posse
- Enter Drain Age into Posse
- Sum drain length for Watershed in Posse
- Check Database entries for errors

J. Livingston

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**Gasb 34 Footages for Historical Cost
Drain Length Log**

Drain-Improvement: STUART - RAWLINGS

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
TILE	8"	842'	842'		2. ⁰⁰ / _{lf}	1684. ⁰⁰
	15"	1008'	1008'		5. ⁰⁰ / _{lf}	5040. ⁰⁰
	16"	1750'	1750'		5. ⁵⁰ / _{lf}	9625. ⁰⁰
OPEN DITCH	—	743'	743'		19. ⁵³ / _{lf}	14,525. ⁶⁹
TILE-ARM1	8"	955'	955'		2. ⁰⁰ / _{lf}	1910. ⁰⁰
	12"	90'	90'		4. ⁰⁰ / _{lf}	360. ⁰⁰
TILE-ARM1 OF 1	6"	909'	909'		1. ⁰⁰ / _{lf}	909. ⁰⁰
TILE-ARM2	N/A	N/A	7370'		N/A	N/A
TILE-ARM1 OF ARM2	N/A	N/A	3567'		N/A	N/A

Sum: 6297' 17,234' \$34,053.⁶⁹

Final Report: _____

Comments:

ARM 2 ? ARM 1 OF ARM 2 = PRIVATE TILES TAKEN IN AS REGULATED,
NO DESCRIPTIONS OR TILE SIZES AVAILABLE. INFORMATION IN
WORK ORDERS IS SUFFICIENT TO ~~BE~~ DETERMINE
ALL TILE SIZES OR LENGTHS OF KNOWN TILE SIZES.

42nd Day. Hamilton Circuit Court, November 11 1904.
 October Term, 1904.

All of which is ordered, adjudged and decreed by the Court.

State of Indiana, Hamilton County, ss.
 In the Matter of application }
 for Drain by Elias Stuart } No. 13655.
 and Charles Rawlings }

Comes now the petitioners, by their attorney David J. McMath, and it appearing to the court from the records of this case that the drainage commissioners on the first day of November 1904 filed their report in open court as provided by law, it now being more than ten days since the filing of said report, and no objection or remonstrance being filed thereto, the court now examines said report, and being sufficiently advised in the premises, now finds for the petitioners that the report of said drainage commissioners should in all things be confirmed and the assessments made thereby approved.

It is therefore considered ordered and adjudged by the court that the report of the drainage commissioners, made herein, to-wit:

The undersigned, Commissioners of Drainage, to whom was referred the petition of Elias Stuart and Charles Rawlings for the drainage of the lands therein described in said petition a certified copy of which is hereto attached being lands in Washington Township, Hamilton County, Indiana in Hamilton County, respectfully report that they have inspected personally all the lands described in said petition, and all other lands liable to be affected by the construction of the proposed work, and are of the opinion that the proposed

drainage will be practicable.

That when accomplished it will improve the public health, benefit the public highway running East and West thro $N\frac{1}{2}$ of Sec. 29 - Twp. 20 N, Range 3 East, and East and West road between Sections 29 & 32 and North and South road thro center of Sections 29 & 32 - Twp 20 - Range 3 East. And that said improvement will be of public utility and that the costs, damages and expenses of constructing said drainage will be less than the benefits to owners of lands likely to be benefitted thereby.

That the best and cheapest method by which said drainage can be accomplished is by a main ditch and two tributaries as described on page three of this report.

They estimate the cost of constructing the work - \$1209.⁹⁵/₁₀₀ dollars. They further report that they have estimated the benefits and injury to the several -

Tracts of land which will be affected by the work, as follows:

Owner	Description	S.	T.	R.	Acres	Injury	Benefit
Elias Stuart	Pt. N.E. N.W.	29	19	3	4		\$ 8.00
same	N.E. S.W.	29	19	3	40		230.00
same	Pt. N.W. S.E.	29	19	3	6		33.10
Orla Stuart heirs of Ben. F. Stuart	Pt. S.E. N.W.	29	19	3	35		166.50
Andrew Eberwine	$\frac{1}{2}$ S.W. N.W.	29	19	3	20		60.00
M. L. Johnson	Pt. N.W. N.W.	29	19	3	4		8.10
Rachel Wicker	Pt. N.W. S.W.	29	19	3	20		100.00
same	" S.W. S.W.	29	19	3	20		81.25

42 " Day. Hamilton Circuit Court, November 17 1907, October Term, 1907.

Chas. Rawlings	S. E. S. W	29	19	3	40		236.00
Florence A. Boyd	Pt. S. W. S. E.	29	19	3	6		33.00
Oliver M. Boyd	Pt. N. W. N. E.	32	19	3	18		95.50
Lewis F. Pitts	Pt. N. E. N. W.	32	19	3	39		146.75
George + Ransom ^{Mrs}	Pt. N. W. N. W.	32	19	3	22		49.00
J. H. Wells	Pt. N. W. N. W.	32	19	3	$\frac{100}{100}$		3.00
Alice Dempsey	Pt. S. E. N. W.	32	19	3	18		20.00
same	Pt. S. W. N. W.	32	19	3	28		14.00
J. S. Commons	Pt. S. E. N. W.	32	19	3	10		10.00
John J. Carson	Pt. N. E. S. W.	32	19	3	2	Ant. of Assmt. \$2.00	2.00
Washington Twp.	Benefit to Public Highway E. + W. ^{center}	$\frac{29}{32}$	19	3		60.00	
same	Benefit to Public Highway N. + S. ^{center}	$\frac{29}{32}$	19	3		46.00	
same	Benefit to Public Highway E. + W. ^{center} of $\frac{1}{2}$ of Sec.	29	19	3		15.00	115.00

Description of Location.

Main Ditch - Begin 818 ft. North and 283 ft. West of the S. E. Corner of the N. E. $\frac{1}{4}$ of the S. W. $\frac{1}{4}$ of Sec. 29 - Twp. 19 N. - Range 3 East and run thence S. 11° West 375 ft, thence S. 48° W. 325 ft. thence S. 30° W. 142 feet, thence S. 20° E. 1187 ft. thence S. 48° E. 587 ft. thence S. 284 ft. thence S. 35° E. 70- thence S. 48° E. 425 ft. thence S. 70° E. 200 ft. thence S. 85° E. 573 ft. thence N. 75° E. 170 ft. and terminating in an open drain 31 ft. South of the S. E. corner of the N. W. $\frac{1}{4}$ of Sec. 32 - Twp. 19 N. Range 3 East.

Ann #1 - Beginning 722 ft. South and 240 East - of the N. W. corner of the N. E. $\frac{1}{4}$ of the S. W. $\frac{1}{4}$ of Sec. 29

Typ. 1911. — Range 3 East and run thence S 20° E. 769 ft. and terminating in Main Ditch at Station 8+42.

Arin #1 To Arin #1 — Beginning 138 ft. North and 200 ft. West of the S. E. corner of the N. W. $\frac{1}{4}$ of the S. W. $\frac{1}{4}$ of Sec. 29 — Typ. 1911. Range 3 East and run thence S. 62° East 909 and terminating in Arin #1 at Station 9+55.

Requirements

Said Main Ditch to consist of one row of 8" drain tile from station 0 to station 8+42 and one row of 15" drain tile from station 8+42 to station 18+50 and one row of 16" drain tile from station 18+50 to station 35+92 and one row of (sirteen) 16" sewer tile from stations 35+92 to station 36 and an open drain one foot wide in bottom from station 36 to station 43+43. Arin #1 to consist of one row of 8" drain tile from station 8 to station 9+55 and one row of 12" drain tile from station 9+55 to station 18+45 and to be connected to main ditch with a (Y) connection tile 15" X 12" X 8".

Arin #1 to Arin #1 — to consist of one row of 6" drain tile from station 0 to station 9+09 and to be connected to Arin #1 with (Y) connection tile 12" X 8" X 6".

At Station 36 on Main ditch to be constructed a stone retaining wall dimensions 15" X 5" X 2". Said wall to be built from field rocks or Higgerheads and to be laid up in mortar made from one part Portland Cement to three parts good sharp sand and so constructed as to receive the tile at proper grade 18" above base of wall.

All dirt removed from open portion to be deposited not nearer than two feet from break or banks. All tile used in the

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construction of said drain to be first class in every respect and to be laid in ditch on a true line at the proper grade with joints well matched and to be left uncovered until inspected and accepted by the Drainage Commissioner in charge of the work.

After being accepted the trench of ditch to be filled fall and where ditch runs in old open channel the tile to be covered to a depth of 24 inches.

All trees to be deadened for a distance of one rod on each side of ditch.

We have divided said drain in sections of 100 ft. in length numbering from 0 to 43+43 and the arms from the commencement to the terminus thereof. The number of cubic yds. on each of said stations and the depth of cut is shown as follows:

Mair Ditch		Sturat and Rollings.	
No. of Station	Depth of Cut	No. of Cu. yds. to be removed	
0	298		
1	430	28	
2	434	33	
3	319	28	
+75	350		
4	349	25	
5	542	33	
6	637	45	
7	601	46	
8	570	44	
8+42	5.59		
+62	6.73		
9	588	47	
10	598	48	

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Wm. G. BUNFORD, BLANK BOOK MFR. INDIANAPOLIS.

No. of Station	Depth of Cut		No. of Cu. Yds. to be removed.	
11	6.47		47	
12	6.35		48	
13	5.49		44	
14	5.04		40	
15	5.54		40	
16	7.12		47	
17	6.86		52	
18	6.70		51	
19	6.61		40	
20	6.82		31	
+ 27	5.70			
21	6.57		32	
22	6.22		32	
23	6.16		32	
24	6.48		32	
25	7.15		31	
26	7.93		32	
+ 16	8.63			
27	6.96		31	
28	6.59		29	
29	6.62		29	
+ 75	6.89			
+ 90	6.84			
30	3.41		50	
+ 10	6.86			
31	6.08		48	
32	5.78		44	
+ 90	6.22			
33	2.30		45	
34	4.38		40	
35	4.85		17	
36	{ 4.96 5.26	17 ft.	20	} End of Tile Stone Wall.
37	5.25	"	15	
38	4.85	"	16	
39	4.40	"	14	
40	3.87	"	14	
+ 73	4.77	"		

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No. of Station	Depth of Cut		No. of Cu. Yds. to be removed.
41	3.96	1 ft.	10
42	3.88	"	10
43	2.80	"	6
+43	1.28	"	4
Arm # 1.			Stuart and Rawlings.
0	4.46		
1	3.67		22
+15	5.18		
2	5.13		24
+76	4.29		
3	4.55		27
4	4.64		26
5	4.98		27
6	5.36		29
+57	6.17		
7	7.35		35
8	6.65		37
9	6.59		37
+55	6.24		
10	6.61		37
+45	5.58		40
Arm # 1 to			Arm # 1.
0	4.26		
1	4.86		25
2	5.07		28
3	4.71		27
4	4.97		27
5	6.27		29
6	6.56		33
7	6.89		37
8	6.21		36
9	6.03		34
+09	6.24		3

Estimated Cost of Construction Main Ditch.

1482 cu. yds. excavation	\$296.40
842 ft. 8" Drain tile	46.45
1068 ft. 15" " " "	178.35
1742 ft. 16" " " "	352.00
8 ft 16" Sewer tile	5.00
Stone wall 3" X 2' X 15'	25.00
Saying tile and filling ditch	65.00
Total cost of Main Ditch \$968.20.	

Arm #1

313 cu. yds. excavation	\$62.40
954 ft. 8" Drain tile	53.30
90 ft. 12" " " "	10.00
Saying tile, filling Ditch and Deadening	15.00
One of connection tile 15" X 12" X 8"	1.60
Total cost of Arm #1 \$142.30	

Arm to 1 Arm #1.

297 cu. yds excavation	\$59.40
908 ft. 6" Drain tile	28.50
One of connection tile 12" X 8" X 8"	1.15
Saying tile and filling ditch	10.00
Total cost of Arm to Arm #1 \$99.05	

Total Cost of Ditch \$1209.55

All of which is respectfully submitted

H. C. Mabrey }
 W. P. M. Collins } Commissioners
 H. S. Furdley }

State of Indiana, Hamilton County, ss:

We, the undersigned, Commissioners of Drainage, swear that we have each personally examined each tract of land assessed for benefits and damages and the whole route of the proposed work, and that such drain is of sufficient capacity to carry, without overflowing, all the water which flows over such route: that

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no other lands than those described in this report will be either benefitted or damaged by the construction of the proposed work, and that all the statements therein are true and correct, and that all assessments of benefits and injuries set forth therein are correct, just, fair and equitable to all parties concerned, as we verily believe.

H. C. Mabrey
W. P. M. Collins } Commissioners.
H. S. Findley }

Subscribed and sworn to by said Commissioners, this 5th day of November 1904, before me.

Chas. J. Wheeler

Clerk Circuit Court.

be and the same hereby is confirmed; That the assessments made therein be and the same hereby are approved, and the drain therein described be and the same hereby is established.

It is further considered ordered and adjudged by court that the construction of said ditch and all work necessary to carry out the recommendations of said report be and the same hereby is assigned to Henry Mabrey one of said drainage commissioners.

It is further considered ordered and adjudged by the court that all costs and expenses occasioned by the construction of said ditch be paid out of the assessments of benefits collected from the owners of lands named in said report, including \$50.00 attorneys fees to D. J. McMath attorney for the petitioners, and that said costs and attorneys fees be paid out of said assessment by the said Henry Mabrey, drainage commissioner.

DESCRIPTION,

MAIN DITCH; Begin 318 feet North and 283 feet West of the Southeast corner of the Northeast Quarter of the Southwest Quarter of Section 29 Township 19 North, Range 3 East, and Run thence South 11 degrees West 375 feet; Thence South 48 degrees West 325 feet; Thence South 30 degrees West 142 feet; Thence South 20 degrees East 1187 feet; Thence South 48 degrees East 587 feet; Thence South 284 feet; Thence South 35 degrees East 75 feet; Thence South 48 degrees East 425 feet; Thence South 70 degrees East 200 feet; Thence South 85 degrees East 573 feet; Thence North 75 degrees East 170 feet and terminating in an Open Drain 31 feet South of the Southeast Corner of the Northwest Quarter of the Northeast Quarter of Section 32, Township 19 North, Range 3 East.

Arm No 1. - Beginning 722 feet South and 240 feet East of the Northwest corner of the Northeast Quarter of the Southwest Quarter of Section 29, Township 19 North, Range 3 East, and Run Thence South 32 degrees East 276 feet; Thence South 20 degrees East 769 Feet and terminating in Main Ditch at Station 8 plus 42.

Arm No.1. to Arm No, 1. - Beginning 138 feet North and 200 feet West of the Southeast corner of the Northwest Quarter of the Southwest Quarter of Section 29, Township 19 North Range 3 East. and Run Thence South 62 degrees East 909 feet and terminating in Arm No.1 at Station 9 plus 55.

REQUIREMENTS.

Said(Main)Ditch to consist of one Row of 8 inch drain Tile from Station 0 to Sta 8 plus 42 and One Row of 15 inch drain Tile from Station 8 plus 42 to Station 18 plus 50 and One Row of 16 inch drain Tile from Station 18 plus 50 to Station 35 plus 92 and One Row of 16 inch sewer Tile from Station 35 plus 92 to Station 36 and and an open Drain One foot wide in Bottom from Station 36 to Station 43 plus 43.

ARM No.1. *Open* To consist of One Row of 8 inch Drain Tile from Station 0 to Station 9 plus 55 and One Row of 12 inch Drain Tile from Station 9 plus 55 to Station 10 plus 45 and to be connected to Main ditch with a (Y) connection Tile 15"X 12"X 8".

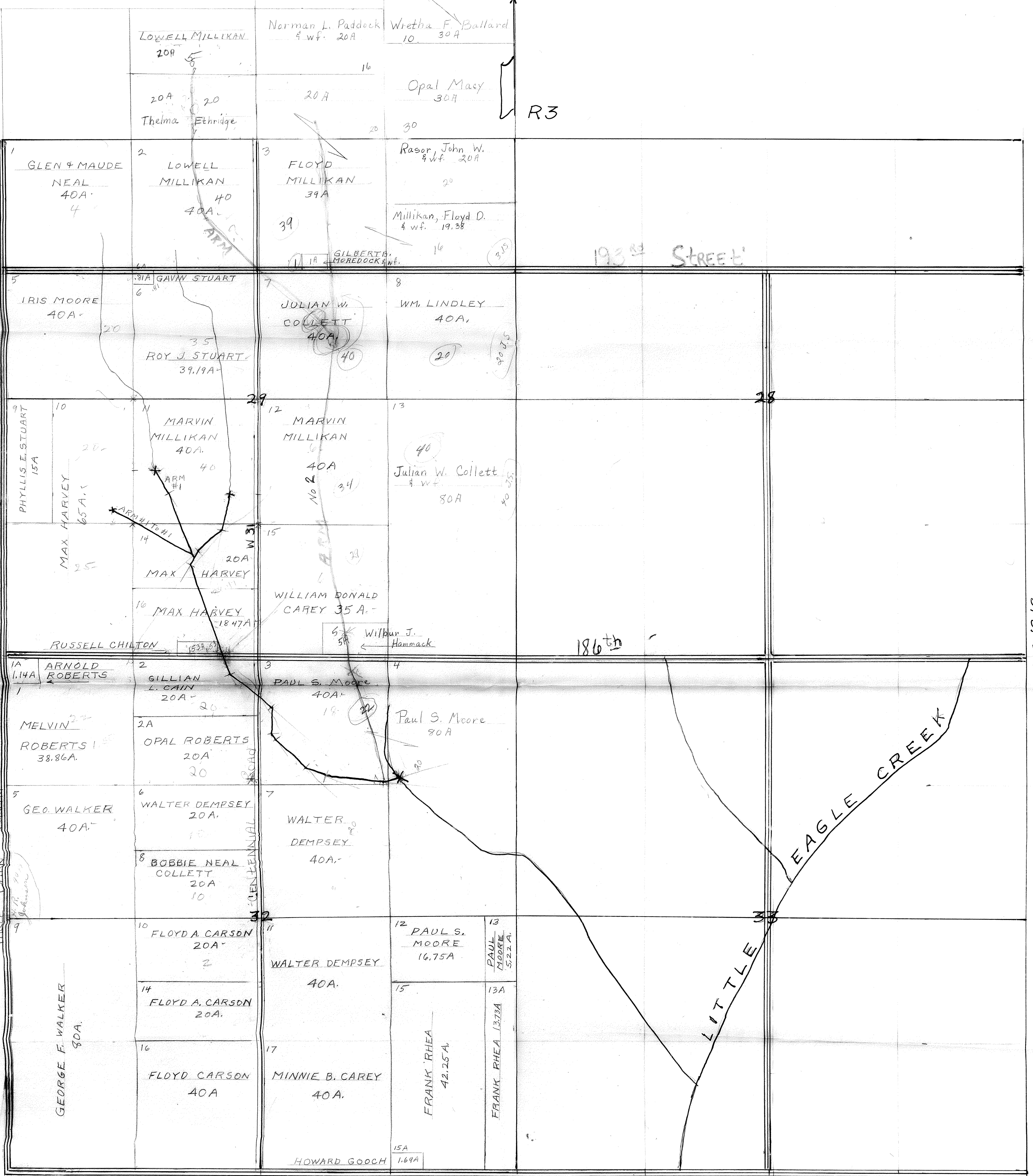
ARM No.1. to ARM No.1. To consist of One Row of 6 inch Drain Tile from Station 0 to Station 9 plus 09 and to be connected to ARM No.1. with (Y) connection Tile 12"X8"X6".

At Station 36 on Main Ditch to be constructed a Stone retaining Wall Dimensions 15'X 5'X2', Said wall to be built from field rocks or niggerheads and to be laid up in mortar made from one part Portland Cement to Three parts good sharp sand and so constructed as to receive the Tile at proper grade 18 inches above base of wall

All dirt removed from open portion to be deposited not nearer than Two feet from breaks of Banks , All Tile used in the construction of said Drain to be first class in every respect

All trees to be deaden for a distance of one Rod on each side of Ditch.

Plus a private tile drain to the east of the original Stuart & Rawlings Drain as of June 19-1972 See the 1972 map of the Stuart & Rawlings Drainage Area



TWP 19

TWP 19

R3

193RD STREET

186th

EAGLE CREEK

LITTLE CREEK

STATE ROAD # 32

176th STREET

WASHINGTON TWP

STUART AND RAWLINGS DRAIN SCALE 1"=500'

1972



Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

Map Correction-Field Verification

Drain Number: #68

Drain Length: N/A

Drain Name: Stuart-Rawlings

Change +/-: 0

Date: 6-21-07

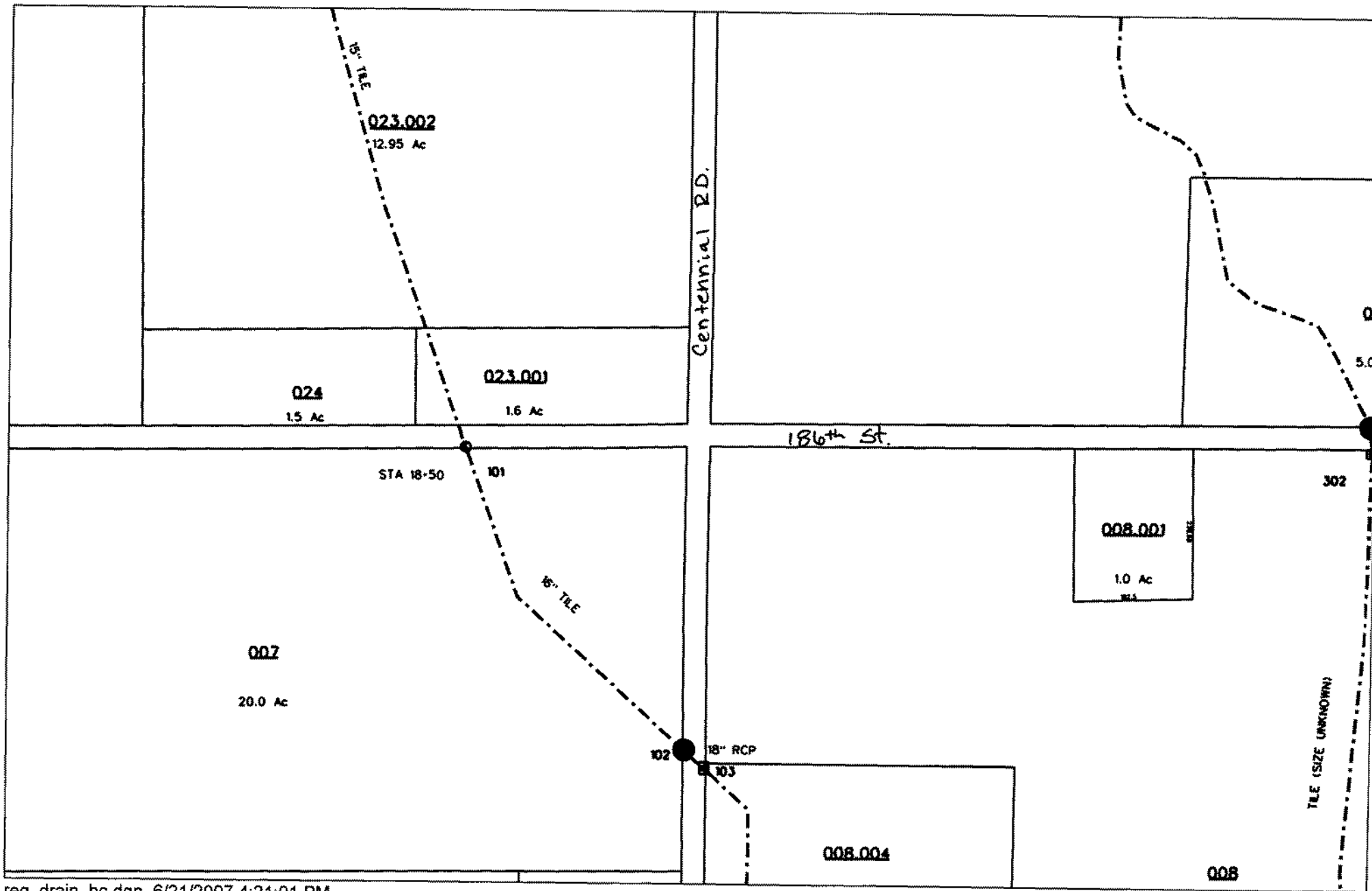
New Length: N/A

Verified By: SAB ; SLM

Notes & Sketch:

See WD-2005-00185. STR.101 was replaced by a new man hole. This structure was originally a catch basin. The 16" tile between structure 102 & 103 was replaced with an 18" RCP. See the attached map.

Suzanne L. Mills
GIS Specialist



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