Drain: CHANES LOWER	Drain # // a
Improvement/Arm:	Drain #: <u>/68</u>
Operator: J. LIVING STON	Date: a t-
Drain Classification: Urban Rural	Date: <u>3-/5-04</u> Year installed: /908

### GIS Drain Input Checklist

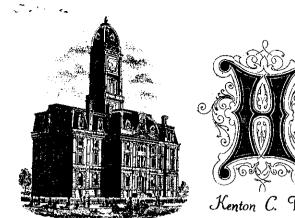
- Pull Source Documents for Scanning
- Digitize & Attribute Tile Drains
- Digitize & Attribute Storm Drains
- Digitize & Attribute SSD
- Digitize & Attribute Open Ditch
- Stamp Plans
- Sum drain lengths & Validate
- Enter Improvements into Posse
- Enter Drain Age into Posse
- Sum drain length for Watershed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

## Gasb 34 Footages for Historical Cost <u>Drain Length Log</u>

Drain-Improvement:	HARES	LOW ER			
--------------------	-------	--------	--	--	--

1	Length	Length	Longith		Thinks in the history of the little
Size:	Longar	(DB Query)	Length Reconcile	Price:	Cost:
8"	3eo'	300'		2:=/f	600=
/0"	894'	894'		3:=/1	600:= 2682:= 9224:
12"	2306	2304'		4:=/f	9224:
/5"	900'	900'		5=/4	4500 = 4730 = 14904 \$
16"	860'	860'		5.50/18	4730
18"	2293'	2293'		6.52/14	149045
	8"  /0"  12"  15"  /6"  /8"	8" 3eo'  10" 894'  12" 2306'  15" 900'  16" 860'	Size: (DB Query)  8" 3co' 3co'  /0" 894' 994'  12" 2306' 2306'  15" 900' 900'  /6" 860' 860'  /8" 2293' 2293'	Size: (DB Query) Reconcile  8" 3co' 3co'  /o" 894' 994'  12" 2306' 2306'  15" 900' 900'  /6" 860' 860'  /8" 7293' 2293'	Size: (DB Query) Reconcile Price:  8" 3co' 3co' 2:=/f  /0" 894' 994' 3:=/f  /2" 2306' 2306' 4:=/f  /6" 860' 860' 5:=/f  /8" 2293' 2293' 6:22/f

	oum.			\$ 34,640"
Final Report:	7553			
Comments:				
		·		
				***************************************





773-6110 Ext. 10

Noblesville, Ind. 46060 February 24, 1983

TO: Hamilton County Drainage Board

RE: Charles Lower Drain

Attached is a drain map, drainage shed map and an assessment roll for the Charles Lower Drain. This drain is located in Sections 5,6,7 & 8 of Township 20 North, Range 4 East in Jackson Township.

The drain was first constructed as the Thomas DeVaney Drain by the order of the Circuit Court in 1882. This drain consisted of a Main Ditch 6252 feet in lenght. An Arm 1 1600 feet in lenght, Arm 2 1700 feet in lenght and an Arm 3 4200 feet in lenght.

In 1908 the Lower or open portion of the DeVaney Drain was tiled. This was done by an order of the Commissioners as the Harry Binkley Drain and it consisted of 1500 feet.

In 1918 the drain was again reconstructed by order of the Circuit Court. This was done as the Pearl A. Lower and Charles E. Lower Drain. This consists of adding 1400 feet to the original Main DeVaney Drain and retiling the main drain. The following is a breakdown of the lenght of drain as it is now.

Thomas DeVaney	Main	400ft
	Arm 1	1600ft
	Arm 2	1700ft
	Arm 3	4200ft
Charles Lower		7553ft
	TOTAL	15.453ft

The last assessment on the drain was made in 1960.

On October 21. 1968, Mrs Audrey Kassebaum requested that the drain be placed on a maintenance program. A hearing for this purpose was held on June 7, 1971.

At that time time are proposed a maintenance costs so feels of the part Hagran cost was insimumes was in 46060 rejected and the proposal was tabled by the Board. (see DB record Book 1, page 70 & 72)

Presently, the drain is once more on the classification list at number thirty (30) for maintenance.

On February 10, 1983, an inspection was made on this drain. At that time the drain was found to be in good condition. Because of this I recommend that the drain be placed on a maintenance program at \$2.00 per acre, \$6.00 minimum. With 484.4 acres in the drainage shed, the total yearly assessment would be \$1012.94.

I also recommend that two breathers be installed as shown on the attached work order.

A hearing should be set for May 2, 1983 at 1:30pm.

KCW/no

Kenton C. Ward County Surveyor Jos Mr. matter of the Petition

of Pearl a. Four & Chan G.

Journ, for the Construction of
see drain.

State of Indiana 1

IN THE HANTLYON CINCULT COURT.

IN THE Matter of THE PRTITION OF PEARL A. LOVER & CHARLES E.LOWER FOR THE CONSTRUCTION OF A DRAIM.

Report of Drainage Commissioners and Engineer.

To the honorable Judge of the Hemilton Circuit Couts.

We the undersigned Commissioners of drainage and Engineer. To whom was referred the above entitled position for drainage of certain lands. in Jackson Township, Hamilton County, Indiana.

brain on the 1/41th day of FeB, 1918. Qualified and proceeded to View and lay out said drain and to view the lands offeeted thereby.

That we further report that said proposed in practicable, that the name when prompleted will improve the public health, and will reclain sertain lands, and will be of public utility, and will benefit several highways, also that the cost of construction and repairs damages and expends of effecting said drain will be less than the benefits to the lands effected by said drainage.

That we have difinatly determined the best and cheapest method of effeeting drainage of said lands, we have fixed the route, location, and character of said proposed work and fixed the same by meter and bounds sourses, distances, descriptions and guides, and bench Warks, including

Arms and branches so as to provide for a complete out let for the dratinage of said lands offected by said proposed work; that we have divided the ditch and branches into sections of not more that les yest, in longth by setting stakes at each les feet.

And we have assessed the benefits and damages as they may be to each seperate tract of land, and to each corporation and Township effected, That we have fixed the begining and outlet so as to secure the best results, and we have run the line of said ditch so as to secure the best results and cause the least injury to the lands effected.

#### LOCATION.

Began at a point 60 rods North and 38 rods east of the center of Rection 7, Township 28 North Renge 4 east, Hamilton County, Indiana,

Bun thence east to Station I plus 24; Thence on 14 degrees 26 minote ourve, to the right 314 feet to Station 4 plus 38; Thence South to Station 12; Thence South 20 degrees east to Station 13; Thence South th 28 degrees 30 minets east to Station 14; Thence South 85 degrees oust to Ftation 15; Thence east to Station 16; Thence North 77 degrees east to Station 21 plus 5%; Thence Worth 56 degrees east to Station 28 Thence North 28 degrees east to Station 30: Thence North 15 degrees east to Station 35: Thence South 86 degrees east to Station 38; Thence North 55 degrees east to Station 411 Thence east to Station 49 plus 65 Thence North 59 degrees east to Station 52; Thouse North 50 degrees east to Station 56; Thence North 63 degrees east to Station 57; Thence South 48 degrees east to Station 58; Thence Routh 24 degrees east to Station 59 plus 35; Thence South 48 degrees east to Station 65 plus 26; Thence south 25 degrees east to Station 70 plus 75; Thence South 48 degrees east to Station 74 plus 45 ; Thence South 80 degrees cast to Station 75 plus 53, and terminate in Little Cicero Creek about 9 Rods North and 9 Rods east of Conter Section 8. Township 20, Range 4 east.

The work will be staked out by the engineer and his stakes must be carefully preserved, and followed, The digging of each and every portion of the ditch must begin at its outlet, or its junction with another tile drain and proceed toward its uper end, The ditch to be dug along one side of the line of Survey Stakes, and sufficient distance from it, to not disturbe the stakes, and shall be out in a straight, and neat manner, In takeing out the last draft, the blade of the spade must not go deeper than the grade line. The ditch must be dug accurately and truly to grade at the depths indicated by the figures given by the engineer, measured from the grade stakes. The laying of the tile must begin at the lower and and proceed up stream, The tile must be laid as closely as practicable, and in line free from irregular crooks, the piece being turned about until the upper closes, unless there is sand or fine silt which is likely to run into the tile, in which case the lower edge must be laid close and the upper side covered with clay or other suitable material. When in making turns or by other unvoidable reasons, a crak of one fourth inch or more is necessarily left, it must be securely covered with broken pieces of tile or by other indestructable material, junctions with branch lines must be carefully and securely made, After the tile have been laid, and inspected by the engineer or his representative, they must be covered with the earth exemvation from the trench, or borrowed clay or sail, where said trench does not afford sufficent material, the filling shall be to the full depth of the trench, and in no case less than Two feet in depth over the tile in New outs.

And where said drain is in an open channel the filling shall be to a depth of not less than Two feet above the top of the tile, for the full width of said open channel. In no case must the tile be covered with sand with out other material being first used and in no case will boulders or heavy rock be allowed in the filling, that may in time come in contact with the tile. The ditch contractor must assume all risks from stanes and caving-in of ditch, and when each drain is completed it must be free from sand and mud before it will be received and paid for in full. In case it is found inpracticable, by reason of bad wenther or unlooked for trouble in digging the ditch or properly laying the tile, to complete the work at the time specified in the contract, the time may be extended as may be mutuly agreed upon by the engineer and contractor, The contractor shall use all necessary precaution to secure his work from injury while he is constructing the drain, All tile and other materials used in the construction of this drain and the tributaries thereto, included in the requirments of these specifications, shall be first class in every respect and subject to rissid inspection by the engineer.

The engineer shall have authority to lay out and direct the work, and to inspect and supervise the same during the construction, and completion to see that it is properly done in accordance with the specifications and contract, and his instructions shall be fully carried out.

#### CONCRETE WORK.

specifications shall be a mixture of One part Portland Cement to Five parts good clean, sharp sand and gravel, the sand and gravel to be of a grade approve by the engineer, Each batch of concrete shall be mixed thoroughly while dry until it presents an even shade of coloring the sughtout, then continueing the mixing, water sufficient shall be added to make a moderately wet mortar.

Unyielding forms shall be built for the purpose of moulding the concrete into shape. The mortar to be placed in the forms while still in a wet condition and spaded so as to make a homogenious construction, and as soon as the concrete has set sufficiently to bear its own weight said forms shall be removed and any defect in said costruction shall be immediately repaired.

Fall ditch to consist of One row of 8, inch tile from Station 8, to Station 3, One row of 18, inch tile from Station 3, to Station 11, plus 94, One row of 12, inch tile from Station 11, plus 94, to Station 35, One row of 15, inch tile from Station 35 to Station 44, One row of 16, inch tile from Station 44, to Station 52, plus 60, and One row of 18, inch tile from Station 44, to Station 52, plus 60, and One row of 18, inch tile from Station 52, plus 60, To Station 60, plus 53, and from Station 60, plus 53, to Station 75, plus 53,

the drain now consist of One row of 18,1mmh tile, Said tile being in needed repair at Stations61, to 63, 68, plus 16, to 68 plus 36, 78 to 78 plus 32, 74 plus 18 to 74 plus 25, or near such ftations, being in all about 380 lineal fact; said repairs to consist of removing the old tile, and replacing same with first class New 18, inch tile.

Also said diton shall consist of 3 catch Basins to be located as follows, One at Station 12 plus 22, and One at Station 37 plus 35, and One at Station 52 plus 60.

The headwall new at Station 75 plus 55 shall be repaired and shall have Find wines to be a feet in length 7 feet high and 10 train thick at bottom and 10 in thick at top, and shall be set, at angles of 15 degree from face of rail. Faid well wings and catch Basins to be built of concrete in accordance with the specifications for concrete, and plans attached hereto. Said Catch Basins to be 3 feet in diameter and supplied with gratted Iron Cover, securely fastened to Basins.

The fall of the ostablished grade is as follows, from Station 0 to Station 1. 70/100 per 100 feet.

```
" 3 " 40/100 " " ;

" 3 " 40, 10/100 " " *

" 40 " 00, 35/100 " " *

" 73450 " 775453, 30/100 " " "
```

The length of the entire ditch including what is known as the Binkley Drain is 7553 feet; And the Einkley Drain is hereby made a part of this Drain.

On that portion from Station 60 plus 53 to Station 75 plus 53 where there are repairs to be made, the contractor will be required to borrow dirt sufficient to fill the channel full, to the full length and width of the washout and including all excavation made in making such repairs.

Profile or Tabulated sheet.

Bta.	HusCut.	Cu.Yds	Sta.	HubCut.	Ou.Yds.
O	3.20	•	61	4.85	35
1	4.20	20	5.2	5.15	37
2	4.00	ae	53	4.55	36
.5	3,50	18	54	4.35	33
4	4.10	21	55	4.37	38
F)	3.78	e ia		400	
16	5.23	86	56	4.55	<b>5.3</b>
$\sim 7$	5.88	31	57	4.54	34
á	5.98	33	58	4,17	32
9	5.78	33	59	4.09	\$4
10	8.78	32	50	4.02	31
11	4.48	259	61	3.84	30
12	6.00	30	61450		16
13	5.26	41	62	3.52	16
14	4.90		<b>6</b> 3	3.90	28
15	4.90	57	64		
16		3.6	65		
	5.00	37	86		
17	5.20	38	67		,
18	5.20	38	68	4.42	3
19	5.00	38	69		
20	4.80	36	70		
57	4.60	35	73.		
22	4.70	34	72	3,66	. 7
23	6.33	35	73	(1) (1)	
194	5.61	41	74	3.22	a,
25	5.61	42	75	4.94	5
26	5.56	41			* * * * * * * * * * * *
27	5.61	41 m	otal Cubic	Varda	2.171.00
£3	5,78	4.44	Management of the state of the state of	Market Street	
29	5.86	44			
30	6.31	4.5	and the second of the		
31	6.41	47			
32	5.91	46	•		•
33	8.11	44			
34	5.78	44			•
35	4.58	38			£ .
36	4.68	34			
37			•		
38 -	4.63	<b>34</b> 35			•
39					
	4.53	34			
40	4.38	33	*		
41	4.33	32			
42	4.35	28			e e e e e e e e e e e e e e e e e e e
43	4.05	31			
44	4.20	39			
45	4.18	31	•		
46	4.45	32			
47	4.50	33 .			1 to 1 to 2 to 2 to 2 to 2 to 2 to 2 to
48	4.60	34			*

Estimated Cost of Construction including,
Waterial, Labor, hadling, etc.
Necessary for completion of work
in Accordance with plans & Specifications.
Main Ditch
Estimated Expenses, including,
Attorneys Fee
Recording & releasing
Legal Printing
Superintendent Construction
Court Expenses &
Contingency fund
Total
We claim for servises, Expenses & mileage, to date for,
Clark Coffin, Drainage Commissioner,8.00
W.L. Devenoy, Viewer
J.S. Shannon, Engineer & helpers
<b>4</b>
Total

Farl G. & Char & Lower & SW NE SE NE 3232 N2 NE 38 55100 40 400 19 230 50 1181 50 ANDOTT N34 NE NE. 7 204 04 EN 34 NW NE 7 204 P+ & N 3/ NW NE 7204 P+ SE S.E. 6204 5 120 345 40 Harah & From P4 62 W2 SE 6204 105 35 Sarah Tentina St N2 NW. NW 8204 7 21 Henry & Bower Pt NW NW 8204 SW NW 8204 42 50 382 50 21 50 73 50 456 John W. Warren Pt SE NW 8204 Pt SW NE NW 8204 35 170 50 Ruth Collon St NE NE SE 7 204 2 16 J. J. Sweat PANENE SE 7 204 Ara W Sweat Pt NE NE 36 7 204 Christina Mathewa Pt NE. SE. 7204 20 200 On a, Rica Est NW SE 7204 Separtian Saret 143. NE. 3.8 6204 Sackson Township Brugit to Mub Highways 1- NAS W. Line NE 7 20 4 10 10 1-64W.S. Line NE 1 50 1-N4S, W.Line NW 9 8 20 40 1- F + W S. Linsus & 4 6 20 9

\* )

HAULLTON COUNTY

We the undersigned visuers and engineer to whom was referred the above entitled petition for report after being duly sworn upon onth may that we have personally examined the whole line and route of the proposed ditch that the assessments berein made made and reported are sorrect. Just and equitable to all parties therein named as interested that no other lands will be benefited or injured by said proposed. Drain; that the above and foregoing report is true in substance and in fact as we varily believe.

Clark Coffin MLLD eveney

Mannon

Subscribed and sworn to before me this ..... day of 777-161918

CLERE.

In the Matter of the Harry A. Buhley et al, Drain.

Report of County

Durveyor.

Report examined & reported to the second deposition of the second d

FRED. D. HYNYS.

STATE OF INDIANA, HAMILTON COUNTY, SS:
IN THE MATTER OF THE
HARRY A. BINKLEY, ET AL,
DRAIN.

REPORT OF HUGH JOHNSON, COUNTY SURVEYOR.

TO HOHGRABLE BOARD OF COMMISSIONERS, HAMILTON COUNTY, INDIANA: -

County, to whom was referred the above entitled petition for drain age on the 20th day of December, 1907, would respectfully report that on the 14th day of January, 1908, as directed by the mandate and order of the Auditor of said county, I made all the necessary surveys and made personal inspection of the real estate described in the petition and all other lands likely to be affected by the proposed work and that I would respectfully report as follows:~

That the drainage as proposed in said petition is practicable, that the same when constructed will improve the public health, and will be of public utility, that said proposed drainage will benefit three public highways and one public school graounds in Jackson Township said county and state.

That the cost of construction and expenses of effecting said proposed drainage will be less than the benefits to the owners of the lands likely to be effected by said proposed drainage.

I would further respectfully represent and show to the Board that the said proposed drain will not exceed two miles in length and will not cost to exceed three hundred dollars exclusive of the tile that may be used therein, and that I am not interested in said proposed drainage, and that I am not in any way related to any of the parties likely to be effected thereby.

This copy printed from the Digital Archive of the Hamilton County Surveyor's Office; One Hamilton Co. Square, Ste. 188, Noblesville, In 46060

Beginning at a point 6 rods north west of the south east corner of the north east quarter of the north west quarter of section 8, township 20, north range 4 east, run thence south east following in the channel of the now existing open drain known as the Thos. DeVaney ditch, to station 13 plus 50, thence east a distance of 150 feet terminating in Cicero creek at a point 100 feet north and 130 feet east of the center of Section 8, township 20, north range 4 east.

#### REQUIREMENTS.

The ditch to consist of one row of 18 inch drain tile from station 0 to station 14 plus 90 and one row of 20 inch sewer tile from station 14 plus 90 to station 15 plus 00 or terminus.

#### STONE WALL.

At station 15 to be constructed a stone wall 16 feet by 6 feet by 2 feet as shown on attached drawing. Said wall to be built from rock faced range rouble laid up in mortar made from one part Portland cement and three parts of clean sharp sand and so constructed to receive the tile at proper grade two feet above the base of the wall.

#### CONNECTING BOX.

At station 0 to be constructed a connecting box in line of ditch to receive four rows of 7 inch tile and one row of 8 inch tile which are already in place and connect same to one row of 18 inch tile herein before specified. The dimensions of said box to be 4 feet wide and 3 feet long and 2 and 1/2 feet deep inside measurements. The same to be constructed of concrete made of one

part Portland cement to three parts clean sharp sand, said box to have walls 6 inches in thickness and floor in bottom four inches thick and to be covered with a concrete slab four inches thick and of sufficient dimentions to entirely cover said box. Said lid or cover to be made of concrete of the same kind and quality as above mentioned and to be reenforced with wire laid lengthwise and cross-wise in slab. Slab to be made in suitable forms and let stand until concrete is thoroughly set before placing on box.

#### LAYING TILE, FILLING DITCH, DEADENING ETC.

All tile used in the construction of the ditch shall be first class tile and be subject to inspection and approval of Superintendent in charge of the work, and to be laid in the ditch in a true line with joints well matched and at proper grade as shown by profile hereto attached and marked "EXHIBIT B" and to be left uncovered until inspected by the Superintendent of construction after the same has been accepted to be covered with carth to the depth of 24 inches level across, where the ditch runs in the old channel and where ditch is in/new cut the trench to be filled full and well tamped.

All trees are to be deadened and bushes grubbed for a distance of twenty feet on each side of the ditch. All work to be done in a first class and workmanlike manner and to the full satisfaction of the Superintendent in charge of the construction.

#### GENERAL SPECIFICATIONS.

Length of ditch------1500 feet.

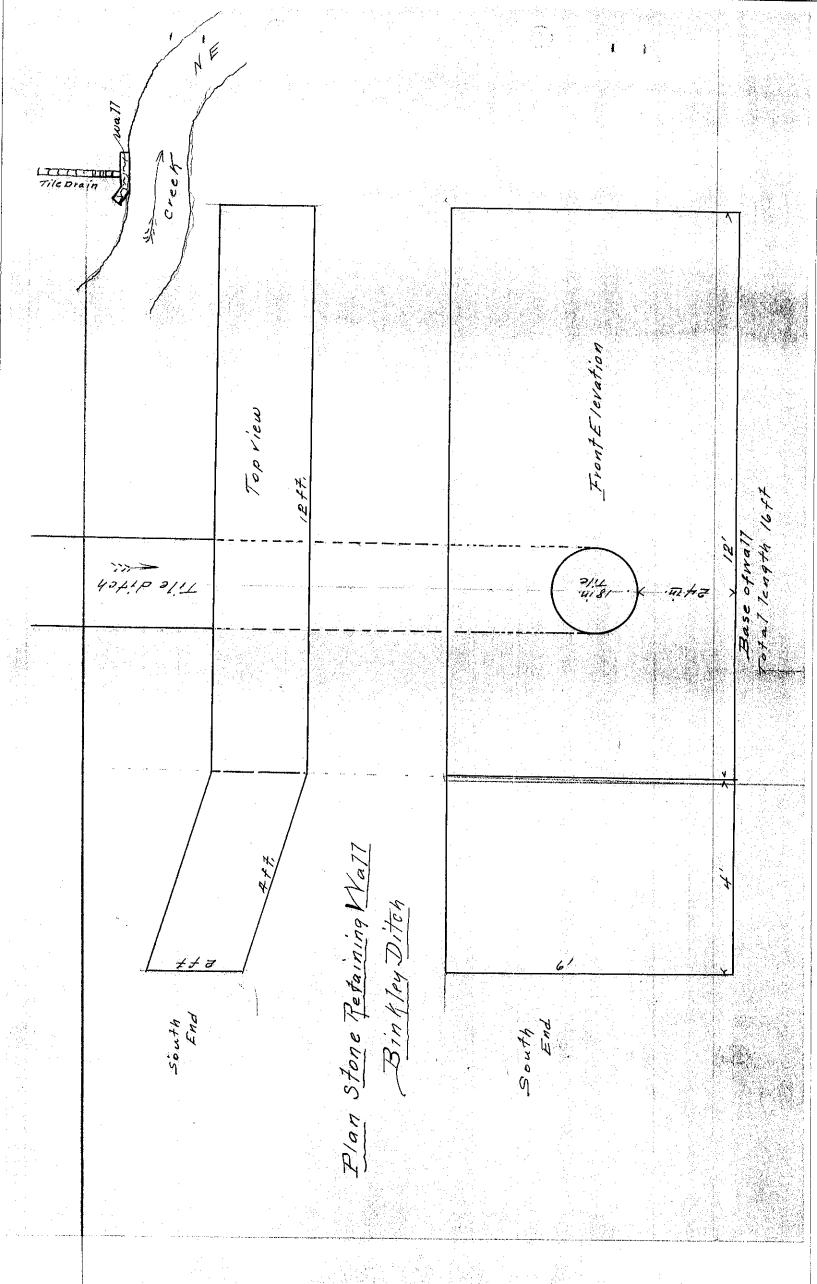
#### ESTABLISHED GRADE.

From Station 0 to station 13 ------38/100 feet.

From station 13 to station 15-----30/100 feet.

#### ESTIMATED COST.

175 cubic yards excavation	سه سور مسل سهر کونز شمه ادمه همه مهم بهرو المهم المحمد المحمد المحمد المحمد المحمد المحمد المحمد المحمد المحمد	\$ 43.00
1490 feet 18 inch arain tile-		397.50
10 feet 20 inch sewer tile	and and then one the time of the first state for the first state for the first state for the first state.	10.00
Concrete connecting box	For the first out of the law the state of the state o	10.00
Stone retaining wall 16 X 6 X	2 (ft.)	30.00
Laying tile and filling ditch	etc.,	50.00
	Total	\$540.50



# PROFILE PAPER.

No. of Station,	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price Cubic Y	per ard.	Total Co perStati	est on.		
	2 407\			1.00		6	onne	Cui	eg Box (con	rerelet
0	3,50			1				10	7	
	3,37	:		12						
2	5,33		1	12						
3	4.92			1.0		<u> </u>		.		en e
4	4.72			9						
3	4.53			18					۱.	
6	4.55			10						
7	4.83			9			, ·			
8	4.74			9						
9	4.62			9						
10	4.76			9						
//				,						
	4.51			8	·				e de la companya de	• .
12	516			. /						
/3	4.89			کی ۔						
14	4.59			2/						
15	4.29			33	Stone	- 4	vall		· · · · · · · · · · · · · · · · · · ·	•
	·									
										·
					j					
									e e e e e e e e e e e e e e e e e e e	<del>.</del>
		:								
		× .		1					e e e e e e e e e e e e e e e e e e e	
		·								
	ē,		}						the second second second second	
										er John Lings L
				1						
				Ø.						
	This copy printed fi	rom the Digital Arc	hive of the Hamilton	on County Surveyo	or's Office;	One H	amilton Co. Squa	e, Ste. 1	88, Noblesville, In 46060	
	6				<b>3</b>					

DESCRIPTION OF LANDS. Havy a Binkley pt SE mu 8 20 4 35 82 95 MANE mo 8 20 7 1778 px nw nw 820 \$25 44 45 Sw 71 08 21626 mu 820 / 40 N J.J. Jenkins prnw 1 MW 8 20 49 3 JBMalloth Do 38 SE 6 20 4 40 65/0 PANE WE / 20 4 30 4882 ps mo WE 7 20 of 10 1628 13020 WMSmith SEA NE 7 20 x 40 6550 Sw WE 7 204 4320 pt 116 1167200 1638 pt nw ME 7704 10 11 05 136/3 5 Sibastian Gust print 1 SE 6207 4 6 SusWFox pr 200 / 86 6 20 9 35 pr 200 / 10 1778 I sa africe pt no SE 720 × 15 2666 8 Chester Mathews pt ME \$6 720 4 15 26 66 9 Sanah Dannet prsev NE 8 20 x 2 Lev Collon pr ME SE 7204 4 11 Jackson Two School From pt NW NW 8 20 4 highway Ever know 7 20 4 Mrs fix " Eow" 2637 This copy printed from the Digital Archive of the Hamilton County Surveyor's Office; One Hamilton Cd. Square, Ste. 188, Noblesville, In 46060

,

South Bend Ind. Sept 18-th. 1908-Gentlemen. I thought I would write you concerning the ditch tap I have never received any notice as to the am -ount of my tax or when or how Shed, overe to be fraint. Onever knew andie a fittle mobile back that the covering of the ditch had been mitanted please let meknowly return and Oyours Respectfully Christena matheus 209 1 Amekson St. So Bend and

State of Indiana, ss: Hamilton County.

The undersigned Surveyor of Hamilton County, Indiana, to whom was referred the above entitled petition for drainage, after being first duly sworn upon my outh say, that I have made a personal inspection of each tract of land as above set out in this report, and that I have examined the whole line and route of the proposed drain and that no other lands will be benefited than those set out in this report, and that no damages have been awarded to any person on account of said proposed drain, and that the above report is true in substance and in fact as I verily believe.

Marveyor.

Subscribed and sworn to before me this the 18th day of Jan., 1908.

\_ Mr Corrally auditor.