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Suite 188
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Noblesville, Indiana 46060-2230

July 29, 2016

To: Hamilton County Drainage Board

Re: Newton Teter Drain Reconstruction

Attached are a petition, drain map, drainage-shed map, and schedule of assessments for the reconstruction of the Newton Teter Drain. The Newton Teter Drain is in need of reconstruction at this time due to its lack of adequate capacity and the drain conditions that have deteriorated beyond the practicality of normal routine maintenance. The drain is listed as Number 20 on the 2016 Drain Classification List for Reconstruction. A petition for reconstruction of the Newton Teter Drain was presented to the Drainage Board on September 28, 2015. The petition was signed by over 60% of the landowners within the Newton Teter Drainage Shed. (See Hamilton County Drainage Board Minutes Book 16, page 320).

History:

The drain is located in Wayne Township, Sections 7 and 18 of Township 18 North Range 6 East and Section 12 of Township 18 North Range 5 East. The drain starts approximately 2, 100-feet west of the intersection of 156th Street and Cyntheanne Road and runs north and west to its point of discharge to Sand Creek. The drain is part of the Mud Creek-Sand Creek watershed.

The Drain was initially named the Wesley White Ditch. The Wesley White Ditch was initially constructed as an open ditch a length of 5,580-feet per the Report of the Commissioners to the Honorable Judge of the Hamilton County Circuit Court dated November 14, 1883. (See Hamilton County Drainage Record Book 1, page 227)

There is a report dated May 9, 1898 that indicates that the Wesley White Drain is a tile from station 0 to station 43+76, an open drain from 43+76 to Station 60. As such, sometime between 1883 and 1898, a large portion of the Wesley White Drain was enclosed. (See Hamilton County Drainage Record Book 2, page 84).

The Viewers Report dated October 7, 1902 indicates that the Newton Teter Drain (the first reference to the current name of the drain) was to be constructed. The drain was to be a total length of 7,560-LF. The

report states that at the time of the viewing, 3,955-feet of the drain (consisting of one row of 8" tile from Station 0+00 to Station 14+00; and a row of 8" tile and a row of 7" tile from Station 14+00 to Station 39+55) was existing and found to be sufficient and to be made part of the Newton Teter Ditch. This length of existing drain approximates the length of tile indicated in the 1898 report on the Wesley White Tile. The drain would also include the construction of 3,505-LF of new drain consisting of 14" tile from Station 39+55 to Station 43+70 and 18" tile from Station 43+70 to the outfall to Sand Creek at Station 74+60. An arm to the Newton Teter was also indicated in the report. 100-LF of 12" tile was to be installed North 80-degrees East from Station 43+70 of the main drain. (See Hamilton County Drainage Record Book 2, page 227)

There is a GASB-34 Footages for Historical Cost Drain Length Log that indicates the drain consists of the following:

Drain Type	Length
8" tile	1,400
1 row 8" tile 1 row 7" tile	2,555
12" tile (Arm)	100
14" tile	415
18" tile	3,090
Total	7,560

The total length of the drain (due to the double row of pipe between Stations 14+00 and 39+55) is 10,115-LF which agrees with a report presented to the Drainage Board on January 4, 1971 (See Hamilton County Drainage Board Minutes Book 1, page 63).

The Newton Teter Drain was placed on Maintenance on March 1, 1971 (See Hamilton County Drainage Board Minutes Book 1, page 66).

Current Condition of the Drain:

The drain functions but is undersized and a majority of the properties served by the drain have standing water and saturated soil issues that affect crop production.

Based on a search of the County's database for drainage complaints, there have been seventeen (17) Drainage Complaints logged in to the County's database for such complaints since 2000. All complaints were related to the condition of the tile (holes, blowholes, broken tile, etc.)

There have been a total of eighteen (18) work orders since 2000 with a total value of \$14,981.47

Proposed Project:

The proposed pipe was designed for agricultural drainage of the watershed served by the new pipe with a Drainage Coefficient (rate of removal of water in a 24-hour period, in inches) of 3/8". The size and slope of the pipe was governed by the elevation of the existing Sand Creek at the outfall, available cover over the pipe along the existing pipe alignment and the flow rate determined using the Drainage Coefficient.

The reconstruction project will consist of the following: 2,503-LF of 15" HDPE pipe; 1,870-LF of 18" HDPE pipe; 3,072-LF of 24" HDPE pipe; 27-LF of 15" RCP pipe; 40-LF of 24" RCP pipe; 4, 48" diameter manholes; 8 breathers; various ancillary pipe fittings and reducers; demolition and clearing; pavement removal and repair where the drain crosses the various roadways; fence removal and repair; rip-rap armorment at the outfall to the Locke Ditch and seeding of the disturbed non-farmed areas.

Any excess soil material generated from the installation of the new pipe shall be spread within the limits of the existing easement so as not to negatively affect the existing surface drainage flow.

Project Cost:

Line Item	Quantity	Unit	Unit Cost	Total Cost
15" HDPE (6-10' Deep)	2502.79	LF	\$ 40.52	\$ 101,413.04
18" HDPE (6-10' Deep)	1870.24	LF	\$ 46.12	\$ 86,263.18
24" HDPE (6-10' Deep)	3072.03	LF	\$ 60.00	\$ 184,321.80
15" RCP Under Roadway (6-10' Deep)	27	LF	\$ 101.30	\$ 2,735.10
24" RCP Under Roadway (6-10' Deep)	40	LF	\$ 154.26	\$ 6,170.27
24" x 20' CMP with Animal Guard	1	EA	\$ 1,100.00	\$ 1,100.00
48" Manholes	4	EA	\$ 3,600.00	\$ 14,400.00
Breathers	8	EA	\$ 500.00	\$ 4,000.00
Clearing	1	LS	\$ 5,000.00	\$ 5,000.00
Fence Repair	4	EA	\$ 2,725.00	\$ 10,900.00
Remove/reset road culvert [40', 56" CMP]	1	EA	\$ 10,000.00	\$ 10,000.00
Rip-Rap Armorment	1	LS	\$ 500.00	\$ 500.00
HMA Road Repair	2	EA	\$ 1,000.00	\$ 2,000.00
2'x2' Concrete Box	1	EA	\$ 2,000.00	\$ 2,000.00
24"x24" Bend Fittings	5	EA	\$ 750.00	\$ 3,750.00
18"x18" Bend Fittings	6	EA	\$ 600.00	\$ 3,600.00
15"x15" Bend Fittings	6	EA	\$ 450.00	\$ 2,700.00
Seeding	1	LS	\$ 1,000.00	\$ 1,000.00
			Subtotal	\$ 441,853.39
			15% Contingency	\$ 66,278.01
			Total Cost	\$ 508,131.40

Project Funding:

The Newton Teter Drain was collapsed into and is now part of the Mud Creek/ Sand Creek Drainage Shed on June 25, 2007. This shed is comprised of 16,506.62-acres consisting of 13,895 parcels and 11,914 lots. The annual collection is \$554,570.40. The maintenance fund has a current balance of \$2,237,986.04.

During the meeting of the Drainage Board on May 26, 2016, the Board approved all funding for this project is to be paid from the Mud Creek/Sand Creek Maintenance Fund. (See Hamilton County Drainage Board Minutes Book 16, pages 556-557).

I believe that no damages will result to landowners by the reconstruction of this drain. Therefore, damages for all tracts shall be set at \$0.00.

The maintenance assessments for the Mud Creek/sand Creek Drainage Shed shall not change due to the proposed reconstruction.

Changes to the Drain:

The Newton Teter Drain currently consists of 7,560-feet of tile drain. The proposed reconstruction will extend the drain beyond its current end approximately 27-LF. A short pipe stub will be extended under 156th Street with an inlet placed on the pipe end to better facilitate drainage of the acreage south of 156th Street which presently drains under 156th Street through a surface water culvert. This will move the end of the maintained drain from the north side of the 156th Street to the south side of 156th Street. Due to the proposed project straightening the drain, the overall length of the drain will be reduced by 75-feet. The revised total footage of the drain will be 7,512-feet.

Landowner Participation:

A public information meeting was held on May 11th, 2016. Notices of the meeting were mailed to the owners of the property through which the existing pipe crosses. The meeting was attended by the following persons: Brian Harger, Becky Harger and Jeff Klingerman.

Easements:

The drain will be reconstructed within the existing easement. The short installation of new drain under 156th Street will remain within the road right-of-way. No additional easements are needed for this project.

Permits:

As this project is a project that will replace an existing pipe with a proposed pipe, no permits are required from IDNR, IDEM, or U.S. Army Corps of Engineers.

I recommend the Board set a hearing for this reconstruction for September 26, 2016.



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

FILED

SEP 08 2015

To: Hamilton County Drainage Board

Re: In the matter of the Newton Teter Drain Petition

OFFICE OF HAMILTON COUNTY SURVEYOR

Comes now the undersigned individuals, who petition the Hamilton County Drainage Board, per IC 36-9-27, for the reconstruction of the above referenced regulated drain. The undersigned believe the following:

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OFFICE OF HAMILTON COUNTY SURVEYOR

1. They are owners of ten percent (10%) in acreage or more of land area alleged by the petition to be affected by the drain.
2. That as property owners within the drainage shed, they are qualified petitioners.
3. That they now desire that a regulated drain be reconstructed in Wayne Township.
4. The names and address of each owner affected by the proposed public drainage are attached hereto, made a part hereof, and marked Exhibit "A", which area of land involved in the proposed drainage area is located in section 7, township 18 north, range 6 east, Hamilton County, Indiana.
5. That the proposed reconstruction consists of replacing double tile to a single tile.

6. That in the opinion of the Petitioner, the costs, damages, and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land to be benefited thereby.
7. That in the opinion of the Petitioner, the proposed improvement will improve the public health; benefit a public highway; and be of public utility.
8. That Petitioners shall pay the cost of notice and all legal costs including engineering expense if the petition is dismissed.
9. Petitioners shall post a bond, if required, to pay the cost of notice and all legal costs in the case the improvement is not established.

<p><i>RL Morehouse Credit Trust</i> <i>By Gary Morehouse, Trustee</i> <i>President</i> <i>Gatewood Farms Inc</i> <i>of Indiana</i></p>	<p>Signature Printed Name R.L. Morehouse Credit Trust Gatewood Farms, INC. Universal Properties, LLC</p>	<p>Printed Address 16255 Prairie Baptist Road, Noblesville, In 46060 14598 Otto Road, Noblesville, In 46060 14020 Brookstone Dr., Carmel, In 46032</p>
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8/31/15

This letter serves as a request to ask the Hamilton County Drainage Board/Hamilton County Surveyor to reconstruct the Newton Teter Drain collapse double tile to a single tile located on the north property line at STA 39+55 to south property line of STA 14 (reference the included map).

As a background, this county tile is a 5" and 7" parallel tile, from STA 39+55 heading south to STA 14. Then a single 8" tile from STA 14 to STA 0 near 156th street. This issue with the tile actually begins at the recently dredged creek, there has been severe compression and ultimately has collapsed the county tile due to delay in dredging.

Due to this collapse, the fields that the two different farmers (and three different property owners) utilize for their livelihood suffers from severe erosion throughout the downward slope, ponding in the fields and tile washouts. Not only does the collapsed tile make managing and planting/harvesting the fields a massive undertaking, it severely impedes the productivity of the ground and therefore profitability of the crops planted on the surrounding farm ground.

Collectively, we as property owners are asking for your leadership in reconstructing the tile.

RL Morehouse Credit Trust By Mary Morehouse Trustee
RL Morehouse Credit Trust

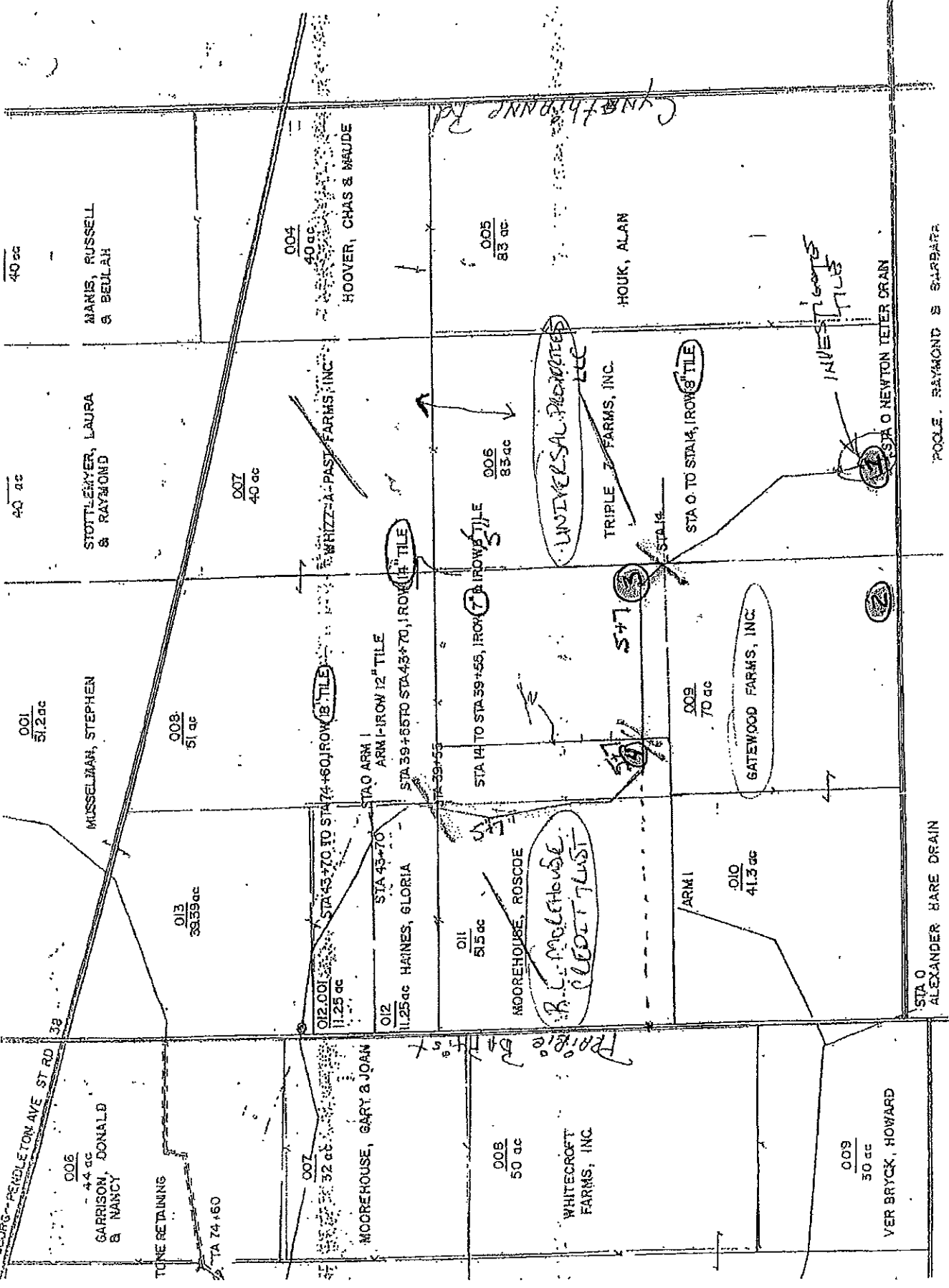
Salmon Farms Inc by: Will Salmon

Gatewood Farms, Inc.

Hesham Derazi

By: Hesham Derazi

Universal Properties



006
4.4 ac
GARRISON, DONALD
& NANCY

MUSSELMAN, STEPHEN

STOTTKEMER, LAURA
& RAYMOND

MANIS, RUSSELL
& BEULAH

007
32 ac
MOOREHOUSE, GARY & JOAN

012
11.25 ac
HAINES, GLORIA

011
51.5 ac
MOOREHOUSE, ROSCOE

008
50 ac
WHITECROFT
FARMS, INC.

R. C. MOOREHOUSE
PLANT TRUST

009
50 ac
VER BRYCK, HOWARD

010
41.3 ac
GATEWOOD FARMS, INC.

013
39.39 ac

008
51 ac

001
51.2 ac

007
40 ac

004
40 ac

HOOVER, CHAS & MAUDE

005
83 ac

HOUK, ALAN

006
83 ac

UNIVERSAL PROPERTIES
TRIPLE Z FARMS, INC.

STA 0 TO STA 14, IRON 8" TILE

009
70 ac

INVESTIGATE
TILES

STA 0 NEWTON METER DRAIN

STA 0
ALEXANDER BARE DRAIN

POOLE, RAYMOND & BARBARA

FRANKIE SU
THIX

CYNTHIANNE RD

MOOREHOUSE PENDERTON AVE ST RD

TONE RETAINING

STA 74+60

WHIZZ-A-PAST FARMS, INC.

STA ARM 1
ARM 1-IRON 12" TILE

STA 39+55 TO STA 43+70, IRON 14" TILE

STA 14 TO STA 39+55, IRON 7" IRON TILE

STA 14

STA 14

ARM 1

**Newton Teter Drain
Reconstruction**

(Arm to Mud Crk/Sand Crk)

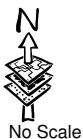
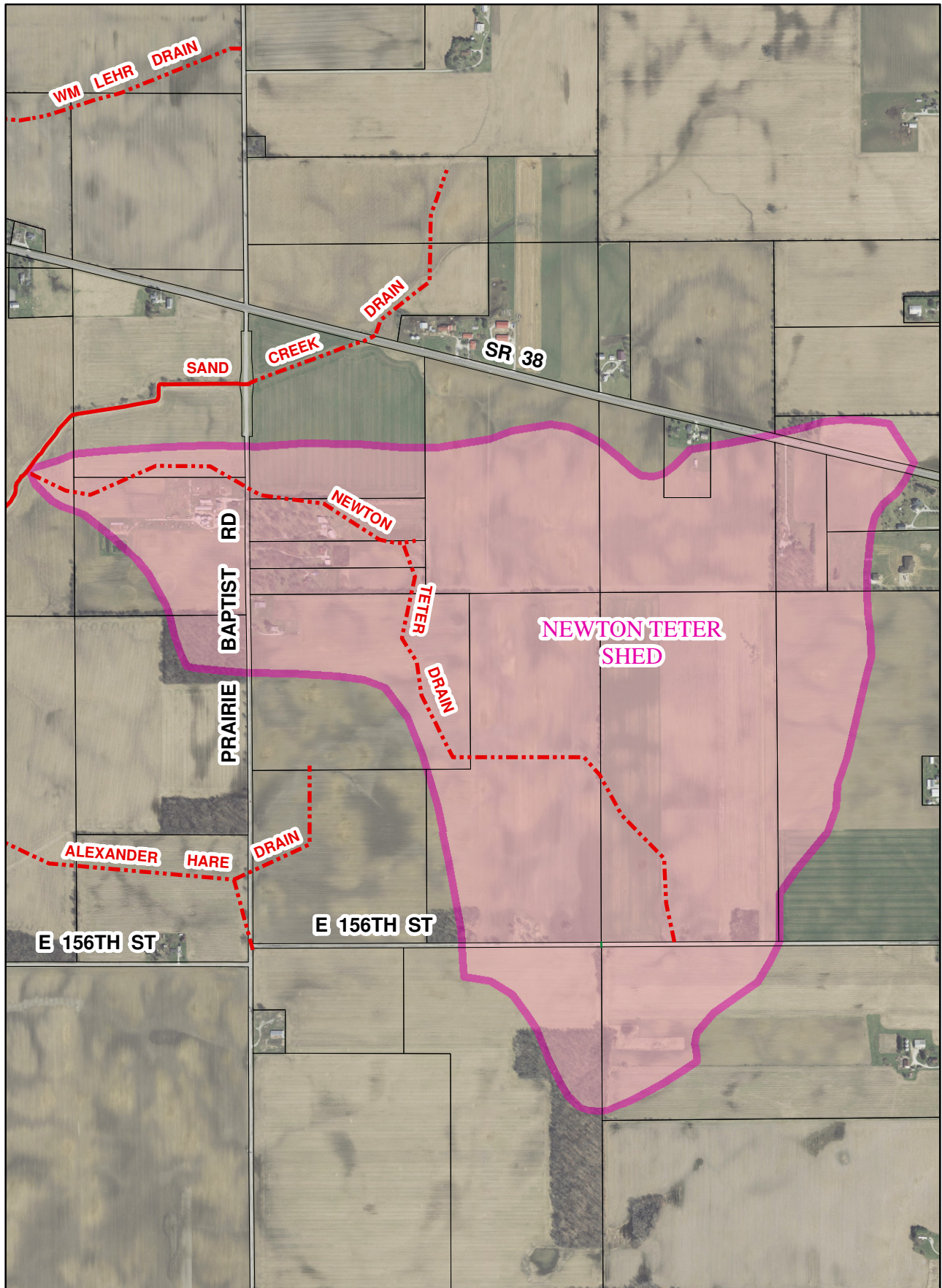
Current footage: 7560
Reduced due to straightening the drain: -75
Add pipe stub under 156th St: 27
Revised footage: 7512

Reconstruction Heairng: 09/26/16

*To be paid from the Mud Crk/Sand Crk maintenance fund per 05/26/16 Drainage Board meeting. No change in current maintenance rates.

Parcel	Owner	Desc	Ben	Mnt	Rec	Total
			Asmt	Asmt	Asmt	Acrage
12-12-07-00-00-004.003	Dodd, Mark C & Wanda E & Jesse W Dodd	S7 T18 R6 10.02Ac	4.50	*	*	1.13%
12-12-18-00-00-001.002	Entrust Group Inc FBO Jack Carr Boyd IRA 7230014272	S18 T18 R6 77.31Ac	11.28	*	*	2.82%
12-11-12-00-00-006.000	Garrison, Donald Lloyd & Nancy C	S12 T18 R5 43.24Ac	8.00	*	*	2.00%
12-12-07-00-00-009.000	Gatewood Farms Inc	S7 T18 R6 70.00Ac	61.14	*	*	15.30%
99-99-99-99-99-999.001	Hamilton County Highway Department	S7/12/18 T18 T5/6	4.00	*	*	1.00%
12-12-07-00-00-012.101	Harger, Brian Jo & Rebecca A	S7 T18 R6 10.00Ac	10.00	*	*	2.50%
12-12-07-00-00-012.002	Klingerman, Jason C & Sarah Y	S7 T18 R6 6.14Ac	6.14	*	*	1.54%
12-12-07-00-00-012.001	Klingerman, Jeffrey C & Brenda L Trust	S7 T18 R6 6.14Ac	6.14	*	*	1.54%
12-11-12-00-00-008.000	Kreagcroff Incorporated	S12 T18 R5 50.00Ac	4.22	*	*	1.06%
12-11-12-00-00-007.000	Morehouse, Gary A I & Joan	S12 T18 R5 32.00Ac	25.00	*	*	6.25%
12-12-07-00-00-011.000	Morehouse, Roscoe L Trust	S7 T18 R6 51.51Ac	29.81	*	*	7.46%
12-12-07-00-00-004.001	Ogle, Eric Neal & Laura T	S7 T18 R6 10.00Ac	10.00	*	*	2.50%
12-12-18-00-00-002.000	Poole, Perry A & Mary Jane	S18 T18 R6 80.00Ac	16.00	*	*	4.00%
12-11-12-00-00-004.000	Rust Farms LLC	S12 T18 R5 75.70Ac	3.00	*	*	0.75%
12-12-07-00-00-004.002	Slayton, Ronald & Lovonda	S7 T18 R6 10.86Ac	7.50	*	*	1.88%
12-12-07-00-00-013.000	Split Rail Farms Inc	S7 T18 R6 38.62Ac	9.00	*	*	2.25%
12-12-07-00-00-004.000	Summers, Charles Michael & Barbara Beagle	S7 T18 R6 10.00Ac	4.00	*	*	1.00%
12-12-07-00-00-006.000	Universal Properties LLC	S7 T18 R6 80.00Ac	80.00	*	*	20.01%
12-12-07-00-00-007.000	Universal Properties LLC	S7 T18 R6 35.00Ac	32.08	*	*	8.03%
12-12-07-00-00-008.000	Universal Properties LLC	S7 T18 R6 46.62Ac	35.00	*	*	8.76%
12-12-07-00-00-007.001	Vernon, James Robert	S7 T18 R6 5.00Ac	2.92	*	*	0.73%
12-12-07-00-00-005.000	Zeller Land Company LLC	S7 T18 R6 78.10Ac	30.00	*	*	7.51%
Parcels: 22			399.73			100.0%

Newton Teter Shed



Printing Date: 5/19/2016
Prepared By: Darren Wilson, GISP
Hamilton County Surveyor's Office
One Hamilton County Square, Ste 188
Noblesville, IN 46060
317-776-8495