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To: Hamilton County Drainage Board

October 17, 2014

RE: George W. Beam Regulated Drain Reconstruction

Attached are plans, specifications, drain map, drainage shed map, and schedule of assessments for the reconstruction of the George W. Beam Drain. The drainage area is located in Adams Township in Hamilton County and benefits properties in sections 27, 28, 33, 34, Township 20 north and range 3 east, with a total acreage of approximately 213 acres. On October 29, 2013 a petition for reconstruction was filed with the Board representing 28.5% of the drainage shed

The George W. Beam Drain was listed as number 14 as a drain in need of reconstruction on the 2014 Drain Classification List. On August 28, 2000 a hearing for reconstruction of the George Beam Drain was held by the Hamilton County Drainage Board. The proposed reconstruction cost was \$61,199.60 with the proposed assessment at \$286.00 per acre. Property owners representing approximately 75% of the watershed remonstrated against reconstruction of the drain. The drain was placed on periodic maintenance at the hearing. The annual assessment for the maintenance collected was \$681.48. The annual maintenance assessment rates were raised in 2007 to match the standard county rates. The drain currently collects \$784.22 annually and has a balance of \$6,786.66.

On October 29, 2013 a petition for reconstruction was received for the George W. Beam Regulated Drain. On November 12, 2013 the petition for reconstruction was presented to the Drainage Board. The petition was signed by owners of 28.5% of the watershed.

The George W. Beam Drain is a tributary to the George Symons Drain. It was originally petitioned through The Hamilton County Circuit Court in 1892, as Arm #2 of the George Symons Ditch, and consisted of 2,200 feet of open ditch and 800 feet of 12" tile. In 1907 George W. Beam petitioned the Commissioners Court to tile the open portion of Arm # 2 of the George Symons Ditch. The petition was approved and 2,200 feet of 12" clay tile was installed in the open channel and connected the existing 800 feet of 12" tile. The 800 feet of existing 12" tile was cleaned and accepted as a part of the George W. Beam Drain.

The legal description for the George W. Beam Drain is as follows:

Beginning at a point about five (5) rods east of the northwest corner of the northeast quarter of section thirty-three (33), township twenty (20) north, range three (3) east, thence north 33 degrees, west 250 feet; thence 23 degrees east 200 feet; thence north 40 degrees west 250 feet; thence west 49 degrees north 400 feet; thence west 32 degrees north 1400 feet; thence north 30 degrees west 300 feet, terminating in the open ditch known as the George Symons ditch.

The plans were prepared by the Hamilton County Surveyor's Office.

The project shall consist of two-sided clearing from station 0+00 to station 17+00. Excavation of the open channel will begin at station 0+00 and continue to station 17+00. The open channel will have a 4-foot wide bottom and 2:1 side slopes. 20-foot wide filter strips shall be installed on both sides of the open ditch. A 20 foot section of 18" CMP with animal guard will be placed at the outlet of the tile. The cost estimate for this work shall be as follows:

Clearing as specified - Open Ditch – 1 acre @ \$7,500 per acre	\$7,500.00	
Open ditch reconstruction – 1,700 feet @ \$8.00 per foot	\$13,600.00	
Armor ditch bank at station 0+00 with reno mattress - 1 @ \$2,500.00 each	\$2,500.00	
Tile outlet pipe with animal guard – 18" x 20' CMP	\$600.00	
Install and maintain silt basin - \$500.00 each	\$500.00	
Seeding 20 - 1.5 acres @ \$1,700.00 per acre	\$2,550.00	
20 foot filter strip – 2 acres @\$1,700.00	\$1,700.00	
60" X 30' CMP farm crossing 1 @ 3,060.00	\$3,060.00	
1 rock chute station 3+00 – 1 @ \$3,000.00	\$3,000.00	
Rip rap at headwall @ station 17+00 – 1 @ \$3,500.00	<u>\$3,500.00</u>	
	Sub Total	\$40,210.00
	15 % contingencies	<u>\$6,031.50</u>
	Total	\$46,241.50

I have reviewed the drainage shed for the George W. Beam Drain of 214.00 acres and upon considering each parcel individually, I believe that each parcel within the drainage shed will have equal benefits as provided by the drain. Therefore I recommend each tract be assessed on the same basis equally. I also believe that no damages will result to landowners by the reconstruction of this drain. I recommend a reconstruction assessment of \$216.09 per acre with no minimum assessment.

I recommend the Board set a hearing for this drain for January 26, 2015.


Kenton C. Ward
Hamilton County Surveyor

KCW/pll

George Beam #322 Cost Estimate is \$46,241.50

Existing drain is 3000' of tile drain and part of it has failed & become an open ditch.
 The reconstruction will change Sta 0 to 17 to an open ditch. Clearing both sides & excavating.
 A 20' wide filter strips to be installed on both sides of open ditch.
 A 20' section of 18" CMP w/animal guard to be placed at outlet of tile.
 Hearing: 01/26/15 Assessed at \$216.09 per acre with no minimum.

Parcel	Owner	Desc	Rate	Ben Ac	Asmt.Amt	% of Total
01-01-34-00-00-001.001	Atkinson, Craig J & Karen L	S34 T20 R3 8.40Ac	Residential/Ag	6.70	\$ 1,447.82	3.13%
01-01-28-00-00-008.004	Brewster, Donald & Jacqueline	S28 T20 R3 2.00Ac	Residential/Ag	2.00	\$ 432.18	0.93%
01-01-28-00-00-008.001	Clayton, Robert J & Becky S	S28 T20 R3 1.71Ac	Residential/Ag	1.71	\$ 369.52	0.80%
01-01-28-00-00-008.002	Clayton, Robert J & Becky S	S28 T20 R3 1.98Ac	Residential/Ag	1.98	\$ 427.86	0.93%
01-01-34-00-00-001.000	Conrad, Donald M	S34 T20 R3 1.90Ac	Residential/Ag	1.90	\$ 410.58	0.89%
01-01-34-00-00-001.002	Conrad, Donald M	S34 T20 R3 2.20Ac	Residential/Ag	2.20	\$ 475.40	1.03%
01-01-33-00-00-010.001	Ellis, Jason M & Michelle L	S33 T20 R3 3.00Ac	Residential/Ag	3.00	\$ 648.28	1.40%
01-01-28-00-00-009.002	Habig, Frank J	S28 T20 R3 42.29Ac	Residential/Ag	19.00	\$ 4,105.72	8.88%
99-99-99-99-99-999.001	Hamilton County Highway Department	246th S27/28/33/34 T20 R3	Road	5.70	\$ 1,231.72	2.66%
01-01-28-00-00-008.005	Jackson, Scott A & Melissa A	S28 T20 R3 4.09Ac	Residential/Ag	4.09	\$ 883.82	1.91%
01-01-34-00-00-001.003	Johnson, Matthew A	S34 T20 R3 27.50Ac	Residential/Ag	24.00	\$ 5,186.16	11.21%
01-01-34-00-00-022.000	Johnson, Matthew A	S34 T20 R3 20.00Ac	Residential/Ag	7.50	\$ 1,620.68	3.50%
01-01-27-00-00-022.000	Kerr, George R & Patricia A Kerr Rev. Living Tr	S27 T20 R3 80.00Ac	Residential/Ag	0.20	\$ 43.22	0.09%
01-01-33-00-00-009.101	Leonard, Christopher C & Susan E	S33 T20 R3 33.31Ac	Residential/Ag	18.00	\$ 3,889.62	8.41%
01-01-33-00-00-011.002	Lyons, Daniel W & Wanda K	S33 T20 R3 15.85Ac	Residential/Ag	15.85	\$ 3,425.04	7.41%
01-01-33-00-00-011.001	Lyons, Daniel W & Wanda L	S33 T20 R3 4.16Ac	Residential/Ag	4.16	\$ 898.94	1.94%
01-01-33-00-00-011.003	Lyons, Daniel W & Wanda L	S33 T20 R3 5.85Ac	Residential/Ag	5.85	\$ 1,264.14	2.73%
01-01-33-00-00-011.000	Osborn, Richard W & Lea A	S33 T20 R3 4.16Ac	Residential/Ag	4.16	\$ 898.94	1.94%
01-01-33-00-00-012.000	Ottinger Livestock Farms Inc	S33 T20 R3 20.00Ac	Residential/Ag	2.50	\$ 540.24	1.17%
01-01-34-00-00-023.000	Ottinger Livestock Farms Inc	S34 T20 R3 20.00Ac	Residential/Ag	7.50	\$ 1,620.68	3.50%
01-01-33-00-00-010.002	Owens, Jeffrey W	S33 T20 R3 3.00Ac	Residential/Ag	3.00	\$ 648.28	1.40%
01-01-28-00-00-008.000	Roberts, Todd C & Valerie L	S28 T20 R3 68.22Ac	Residential/Ag	38.00	\$ 8,211.42	17.76%
01-01-33-00-00-010.000	Schmutte, Nicholas R	S33 T20 R3 3.00Ac	Residential/Ag	3.00	\$ 648.28	1.40%
01-01-27-00-00-023.000	Wallace, O Allen Trustee	S27 T20 R3 40.00Ac	Residential/Ag	30.00	\$ 6,482.70	14.02%
01-01-28-00-00-008.003	Walters, Jason	S28 T20 R3 2.00Ac	Residential/Ag	2.00	\$ 432.18	0.93%
Parcels: 25				214.00	\$ 46,243.42	

George Beam Drain Reconstruction



November 21, 2014

- ▲ Section Corners (GPS)
- <all other values>
- ⊕ MUNICIPAL MANHOLE
- Regulated Drains Text
- CLOSED DRAIN
- MUNICIPAL DRAIN
- OPEN DRAIN
- SSD

