

SURVEYOR'S OFFICE

Hamilton County

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September 5, 2012

To: Hamilton County Drainage Board

Re: Williams Creek Drain, North 116th Street & Springmill Road Assessment (Silvara)

Attached is a drain map, drainage shed map and schedule of assessments for maintenance for a portion of the Williams Creek Drain. This portion of the drain is located in Clay Township from Springmill Road to 116th Street.

This portion of the Williams Creek Drain shall consist of the Williams Creek Drain – Billy Creek Associates Arm and the Williams Creek Drain – Williams Creek Farms Arm. The Williams Creek Drain – Billy Creek Associates Arm became regulated drain per my report dated May 11, 2011 and approved by the Board at hearing on June 27, 2011 (See Hamilton County Drainage Board Minutes Book 13, Pages 429 to 431). The Williams Creek Drain – Williams Creek Farms Arm became regulated drain per my report dated April 6, 2010 and approved by the Board at hearing on June 28, 2010 (See Hamilton County Drainage Board Minutes Book 13, Pages 26 to 27). The reach of this drain is from the north boundary of Williams Creek Farms to the south property line of parcel 17-09-34-00-00-018.101 and consists of 7,041 feet of open ditch.

The office has not had any complaints on this segment of the drain since 2010, but has regular complaints of debris blocking the flowline and beaver activity upstream of this section, clear up to north of 146th Street.

I recommend that this portion of the Williams Creek Drain be placed on maintenance. The Osborn & Collins #2 Regulated Drain portion of this open ditch upstream of this was placed on maintenance in 2009 and 2010. The Osborn & Collins #2 North Section was placed on maintenance per my report, dated September 23, 2009 and approved by the Board at hearing on October 26, 2009 (See Hamilton County Drainage Board Minutes Book 12, Pages 300 to 302). The Osborn & Collins #2 South Section was placed on maintenance per my report, dated May 14, 2010 and approved by the Board at hearing on October 25, 2010 (See Hamilton County Drainage Board Minutes Book 13, Pages 158 to 161). Also, the J.R. Collins Drain, O.F. Henley Drain, Stultz & Almond Drain, and many regulated drain subdivision drains were all on maintenance and have been combined into the Williams Creek Drain.

The nature of maintenance work required is as follows:

1. Clearing of trees and brush on the existing open drain as needed to improve flow;
2. Creation and re-excavation of silt basins;
3. Surface water structure as might be required;
4. Bank erosion protection and/or seeding as might be required;
5. Repair of private tile outlet ends as might be required;
6. Repair of regulated drain tile outlets;
7. Removal of beaver dams;
8. Removal of debris and/or blockage from regulated open ditch;
9. Spraying for vegetation control;
10. Mowing filter strips;
11. Any other repairs deemed to be applicable and necessary by the Surveyor to restore the drain to its original intended use and condition.

The frequency with which maintenance work should be performed is annually as required by the original condition of the drain.

I have reviewed the plans and drain map and believe, as set out in IC 36-9-27-69(b) (1) that all tracts within the drainage shed of the Williams Creek Drain will benefit. The following maintenance assessments have been adopted by the Board:

1. Maintenance assessment for roads and streets be set at \$10.00 per acre.
2. Maintenance assessment for agricultural tracts be set at \$3.00 per acre with a \$15.00 minimum.
3. Maintenance assessment for non-platted residential tracts be set at \$3.00 per acre with a \$15.00 minimum.
4. Maintenance assessment for commercial, institutional and multi-family residential tracts to be set at \$10.00 per acre with a \$75.00 minimum.
5. Maintenance assessment for platted lots in subdivisions whose drainage systems will not be part of the regulated drain (those systems maintained by the City of Westfield or City of Carmel) shall be set at \$35.00 per lot - \$35.00 minimum. Commons areas within subdivisions whose drainage systems will not be part of the regulated drain (those systems maintained by the City of Westfield or City of Carmel) shall be set at \$5.00 per acre with a \$35.00 minimum.

6. Maintenance assessment for platted lots within subdivisions whose drainage system will be part of the regulated drain shall be set at \$10.00 per acre with a \$65.00 minimum. Common areas within regulated drain subdivisions shall be set at \$10.00 per acre with a \$65.00 minimum.

The annual maintenance collection for this portion of the Williams Creek Drainage Shed will be \$2,805.92. Collections for the proposed assessment will begin in May 2013.

The above rates were established for the Williams Creek Drain per my report dated June 6, 2006. Hearing for this report was heard on August 28, 2006, at which time the Board approved the rates of assessment (See Hamilton County Drainage Board Minutes Book 9, Pages 410 to 411).

This drain has been classified as an urban drain under IC 36-9-27-67 per my report dated October 16, 1998.

Williams Creek has been identified in the NPDES Phase II General Permit Application, Storm Water Quality Management Plan Part C: Program Implementation Report, page 5, as a MS4 area receiving stream.

Williams Creek is listed in the NPDES Phase II General Permit Application Storm Water Quality Management Plan Part B: Baseline Characterization Report on the following pages:

Page 4 as an MS4 Area Receiving Stream

Page 7 as #05120201090060 Watershed within the MS4 Area with drainage size of 14,198.70 acres.

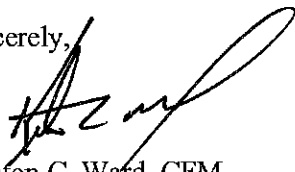
Page 16 as being in the IDEM 305(b) Report as being fully supportive of aquatic life and full body contact.

This drain is not listed on the 2010 303(d) list of impaired waters for Indiana. The Williams Creek Watershed Master Plan Study did have many samples that were above the Indiana Water Quality Standard for E. Coli.

Currently the open ditch is heavily overgrown and is in need of select clearing to remove trees that may end up in the ditch. The drain is susceptible to jams caused by debris which causes backwater and localized flooding. It is possible for large woody debris to collect on road crossings. This creates a threat to the bridge structure and can redirect flow causing erosion. This drain has had a large beaver population. The drain also have may high banks and poor soils, which can lead to bank sloughing and channel migration, which endangers properties along the ditch channel.

I recommend that the Board set a hearing for this proposed maintenance for October 22, 2012.

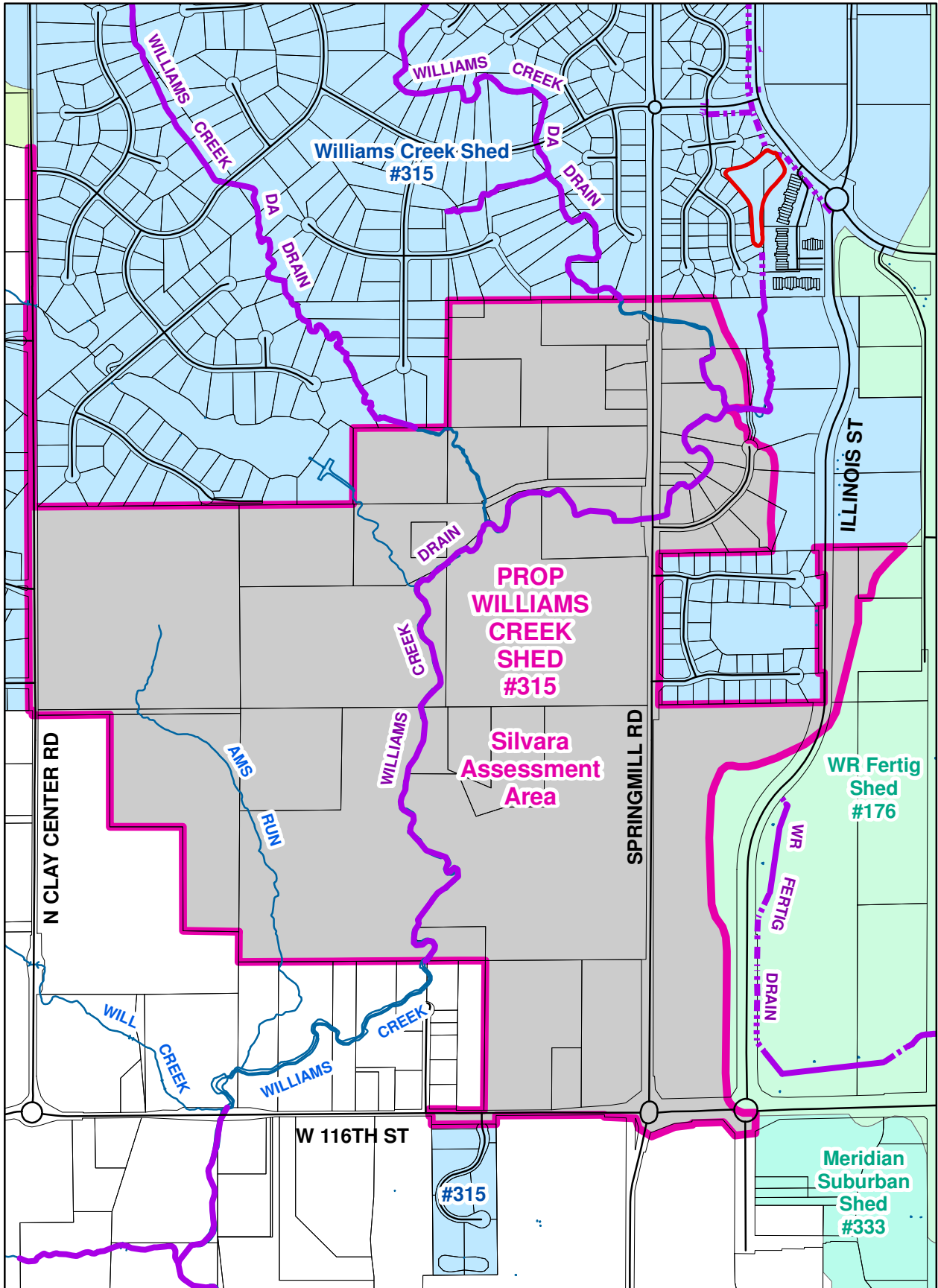
Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

PROPOSED WILLIAMS CREEK SHED #315 Silvara Assessment Area



Printing Date: 10/2/2012
Prepared By: Darren Wilson, GISP
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One Hamilton County Square, Ste 188
Noblesville, IN 46060
317-776-8495

Proposed Williams Creek #315 - Silvara Assessment Area Roads

Road_Name	Shed	Entity	Type	Area_Ac	Area_Ac_X3
ILLINOIS ST	WILLIAMS CREEK SHED #315	CARMEL	MAJOR ROAD	2.39	7.17
N CLAY CENTER RD	WILLIAMS CREEK SHED #315	CARMEL	MAJOR ROAD	3.48	10.44
N CREEKWOOD LN	WILLIAMS CREEK SHED #315	CARMEL	MAJOR ROAD	1.16	3.48
N SPRINGMILL RD	WILLIAMS CREEK SHED #315	CARMEL	MAJOR ROAD	8.82	26.46
W 116TH ST	WILLIAMS CREEK SHED #315	CARMEL	MAJOR ROAD	5.11	15.33

Williams Creek Drain #315

North 116th Street & Springmill Road Assessment
 Silvara Assessment Area

Collection period will be until the balance of Williams Creek equals 8 times its annual assessment.

Hearing: 10/22/12

*Proposed acreage of roads will be added to the existing acreage already assessed to Williams Creek.

Parcel	Owner	Desc	Rate	Ben	Asmt	Rate	Minimum
							% of Total
17-09-35-00-00-005.001	12156 Meridian Associates LLC	S35 T18 R3 7.95Ac	Commercial	2.32	\$75.00	3.00	15.00
17-09-35-00-00-005.000	Backer, Herbert J TR 1/2 int & Sudan Mark Investm	S35 T18 R3 2.96Ac	Commercial	1.16	\$75.00	5.00	35.00
17-09-34-00-00-002.000	Billy Creek Associates	S34 T18 R3 40.00Ac	Residential/Ag	40.00	\$120.00	10.00	65.00
17-09-34-00-00-003.000	Billy Creek Associates	S34 T18 R3 24.18Ac	Residential/Ag	24.18	\$72.54	10.00	75.00
17-09-34-00-00-015.000	Billy Creek Associates	S34 T18 R3 7.20Ac	Residential/Ag	7.20	\$21.60	10.00	
17-09-34-00-00-016.000	Billy Creek Associates	S34 T18 R3 39.12Ac	Residential/Ag	39.12	\$117.36	10.00	
17-09-34-00-00-017.000	Billy Creek Associates	S34 T18 R3 10.00Ac	Residential/Ag	10.00	\$30.00	10.00	
17-09-34-00-00-018.000	Billy Creek Associates	S34 T18 R3 9.00Ac	Residential/Ag	9.00	\$27.00	10.00	
17-09-34-00-00-018.001	Billy Creek Associates	S34 T18 R3 76.10Ac	Residential/Ag	76.10	\$228.30	10.00	
17-09-34-00-00-019.000	Billy Creek Associates	S34 T18 R3 8.33Ac	Residential/Ag	8.33	\$25.00	10.00	
17-09-34-00-00-021.000	Billy Creek Associates	S34 T18 R3 12.44Ac	Residential/Ag	12.44	\$37.32	10.00	
17-09-34-00-00-032.000	Billy Creek Associates	S34 T18 R3 20.00Ac	Residential/Ag	20.00	\$60.00	10.00	
17-09-34-00-00-033.000	Billy Creek Associates	S34 T18 R3 1.00Ac	Residential/Ag	1.00	\$15.00	10.00	
17-09-34-00-00-010.000	Book, Robert M & Sidney Jeanne	S34 T18 R3 0.68Ac	Residential/Ag	0.68	\$15.00	10.00	
17-09-34-00-00-009.000	Book, Robert M & Sydney Jeanne Trustees	S34 T18 R3 4.66Ac	Residential/Ag	4.66	\$15.00	10.00	
17-09-35-01-01-016.000	Carlton, Karen L & Lynn P	S35 T18 R3 Williams Creek Farms Lot 15 2.43Ac	Un-Regulated Subd	2.43	\$35.00	10.00	
17-09-34-00-00-018.101	Casalini, Elizabeth Frenzel	S34 T18 R3 1.90Ac	Residential/Ag	1.90	\$15.00	10.00	
99-99-99-99-99-999.005	City Of Carmel	116, Springmill, Illinois, ClayCenter, Creekwood Ln	S34&35T18R3	62.88	\$628.80	10.00	
17-09-35-00-00-042.000	Clarian Health Partners Inc	S35 T18 R3 69.11Ac	Commercial	35.71	\$357.10	10.00	
17-09-34-00-00-020.000	Cunningham, Emma Lou	S34 T18 R3 1.67Ac	Residential/Ag	1.67	\$15.00	10.00	
17-09-34-00-00-004.000	Elliott Creek LLC	S34 T18 R3 8.50Ac	Residential/Ag	8.50	\$25.50	10.00	
17-09-34-00-00-005.000	Elliott Creek LLC	S34 T18 R3 7.21Ac	Residential/Ag	7.21	\$21.64	10.00	
17-09-34-00-00-005.001	Elliott Creek LLC	S34 T18 R3 1.19Ac	Residential/Ag	1.19	\$15.00	10.00	
17-09-34-00-00-006.000	Elliott Creek LLC	S34 T18 R3 6.90Ac	Residential/Ag	6.90	\$20.70	10.00	
17-09-34-00-00-008.000	Elliott Creek LLC	S34 T18 R3 4.05Ac	Residential/Ag	4.05	\$15.00	10.00	
17-09-34-00-00-008.101	Elliott Creek LLC	S34 T18 R3 12.79Ac	Residential/Ag	12.79	\$38.38	10.00	
17-09-34-00-00-010.001	Elliott Creek LLC	S34 T18 R3 0.95Ac	Residential/Ag	0.95	\$15.00	10.00	
17-09-34-00-00-011.000	Elliott Creek LLC	S34 T18 R3 0.81Ac	Residential/Ag	0.81	\$15.00	10.00	
17-09-34-00-00-013.000	Elliott Creek LLC	S34 T18 R3 5.90Ac	Residential/Ag	5.90	\$17.70	10.00	
17-09-34-00-00-014.000	Elliott Creek LLC	S34 T18 R3 5.66Ac	Residential/Ag	5.66	\$16.98	10.00	
17-09-34-00-00-016.001	Elliott Creek LLC	S34 T18 R3 1.26Ac	Residential/Ag	1.26	\$15.00	10.00	
17-09-34-00-00-018.002	Frenzel, Otto N IV	S34 T18 R3 3.00Ac	Residential/Ag	3.00	\$15.00	10.00	
17-09-35-01-01-001.000	Fung, James, Yiwen Liu Fung & Luping Liu Jirs	S35 T18 R3 Williams Creek Farms Lot 16 1.47Ac	Un-Regulated Subd	1.47	\$35.00	10.00	

Parcel	Owner	Desc	Rate	Ben	Asmt	% of Total
17-09-35-00-00-010.101	Hoffman, Tim & Kelly	S35 T18 R3 Williams Creek Farms Lot Pt 11 3.40Ac	Un-Regulated Subd	0.60	\$35.00	1.25%
17-09-35-01-01-010.000	Kistler, Kenneth K & Annette J TR	S35 T18 R3 Williams Creek Farms Lot 1 1.11Ac	Un-Regulated Subd	1.11	\$35.00	1.25%
17-09-35-01-01-002.000	Koorsen, Brian R	S35 T18 R3 Williams Creek Farms Lot PT7 2.07Ac	Un-Regulated Subd	1.97	\$35.00	1.25%
17-09-35-01-01-009.000	Leer, Edward G & Michelle M	S35 T18 R3 Williams Creek Farms Lot 14 1.37Ac	Un-Regulated Subd	1.37	\$35.00	1.25%
17-09-34-00-00-008.001	Light, Gary L	S34 T18 R3 0.50Ac	Residential/Ag	0.50	\$15.00	0.53%
17-09-35-01-01-015.000	Manithej, Joanna R	S35 T18 R3 Williams Creek Farms Lot 6 1.51Ac	Un-Regulated Subd	1.20	\$35.00	1.25%
17-09-35-01-01-011.000	Mytelka, Daniel & Christine	S35 T18 R3 Williams Creek Farms Lot 2 1.00Ac	Un-Regulated Subd	1.00	\$35.00	1.25%
17-09-35-01-01-008.000	Pahud, Kevin & Dana	S35 T18 R3 Williams Creek Farms Lot P13 1.25Ac	Un-Regulated Subd	1.25	\$35.00	1.25%
17-09-35-00-00-001.000	Pahud, Margot Brown & Brian C	S35 T18 R3 8.65Ac	Residential/Ag	2.30	\$15.00	0.53%
17-09-35-01-01-013.000	Pyle, Cynthia A & Pamela L Franklin Jr/rs	S35 T18 R3 Williams Creek Farms Lot 4	Un-Regulated Subd	0.89	\$35.00	1.25%
17-09-35-00-00-010.111	Rider, Patrick J & Stacey E	S35 T18 R3 Williams Creek Farms Lot 10 1.84Ac	Un-Regulated Subd	0.34	\$35.00	1.25%
17-09-35-01-01-014.000	Schmidt, Kevin K & Elizabeth H	S35 T18 R3 Williams Creek Farms Lot 5 1.98Ac	Un-Regulated Subd	1.98	\$35.00	1.25%
17-09-35-01-01-012.000	Sindclair, James M & Frances S Jenkins	S35 T18 R3 Williams Creek Farms Lot 3	Un-Regulated Subd	0.97	\$35.00	1.25%
17-09-35-01-01-002.001	Small, Greg M	S35 T18 R3 Williams Creek Farms Lot PT7	Un-Regulated Subd	One Lot	\$35.00	1.25%
17-09-35-01-01-003.000	Small, Greg M	S35 T18 R3 Williams Creek Farms Lot 8 3.90Ac	Un-Regulated Subd	One Lot	\$35.00	1.25%
17-09-35-01-03-001.000	Small, Greg M	S35 T18 R3 Williams Creek Farms Lot 9 3.34Ac	Un-Regulated Subd	0.01	\$35.00	1.25%
17-09-35-01-03-004.000	Spahn, Thomas J & Jane E	S35 T18 R3 Williams Creek Farms Lot Pt 11, Pt 13, 12, 1.73Ac	Un-Regulated Subd	1.36	\$35.00	1.25%
Parcels: 50				436.32Ac	\$2,805.92	100.00%