

SURVEYOR'S OFFICE

# Hamilton County

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July 5, 2012

To: Hamilton County Drainage Board

Re: Williams Creek Drain, I-465 to 96<sup>th</sup> Street Arm

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 I-465 to 96<sup>th</sup> Street.

This portion of the Williams Creek Drain shall consist of the existing Williams Creek Drain - Steck Extension, Williams Creek Drain - Springmill Run Arm 1, and the Williams Creek Drain - Parkwood West Arm. The Williams Creek Drain - Steck Extension became regulated drain per my report dated August 5, 2009 and approved by the Board at hearing on September 28, 2009 (See Hamilton County Drainage Board Minutes Book 12, Pages 246-247). The Williams Creek Drain - Springmill Run Arm 1 became regulated drain per my report dated January 28, 2010 and approved by the Board at hearing on March 22, 2010 (See Hamilton County Drainage Board Minutes Book 12, Pages 449-450). The Williams Creek Drain - Parkwood West Arm became regulated drain per my report dated February 7, 2007 and approved by the Board at hearing on March 26, 2007 (See Hamilton County Drainage Board Minutes Book 10, Pages 181-184). The reach of this drain is from the north right of way line of I-465 to the south right of way line of 96<sup>th</sup> Street and consists of 5,433 feet of open ditch.

The office has not had any complaints on this segment of the drain since 2007, but has regular complaints of debris blocking the flowline and beaver activity upstream of this section.

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 \$1,355.60. 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 September 26, 2012.

Sincerely,



Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/pll

**Williams Creek #315**

465 Assessment Area

Collection period will be until the balance of Williams Creek equals

8 times it's annual assessment.

Hearing: 09/26/12

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

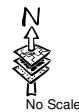
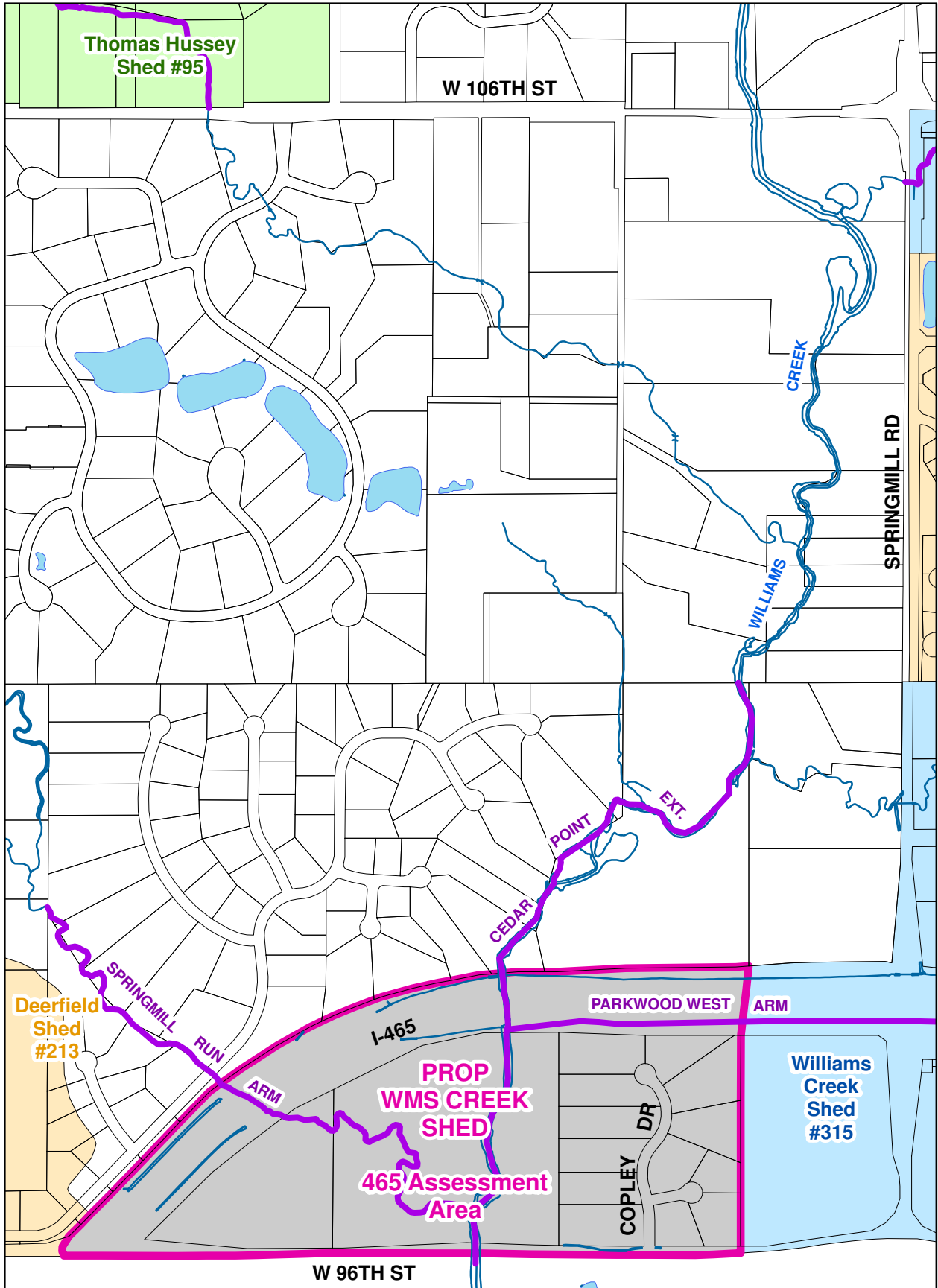
| Parcel                 | Owner                                | Desc                              | Rate              | Ben      | Asmt      | Total   | Maintenance | Rate  | Minimum |
|------------------------|--------------------------------------|-----------------------------------|-------------------|----------|-----------|---------|-------------|-------|---------|
| 99-99-99-99-999.005    | City Of Carmel                       | S10 T17 R3 96th & LaComa Est. Sub | Roads             | 12.36    | \$123.60  | 9.12%   | Res/Ag      | 3.00  | 15.00   |
| 17-13-10-04-01-002.000 | Colvin, John W & Colleen G           | S10 T17 R3 LaComa Estates Lot 7   | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   | Un-Reg Sub  | 5.00  | 35.00   |
| 17-13-10-04-01-007.000 | Cook, David B & Lynda K              | S10 T17 R3 LaComa Estates Lot 12  | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   | Reg Sub     | 10.00 | 65.00   |
| 17-13-10-04-01-012.000 | Donaldson, Robert A & Skye Winslow   | S10 T17 R3 LaComa Estates Lot 4   | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   | Commercial  | 10.00 | 75.00   |
| 17-13-10-04-01-003.000 | Dorsey, Timothy M & Marilyn K        | S10 T17 R3 LaComa Estates Lot 8   | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   | Roads       | 10.00 | % of    |
| 17-13-10-04-01-011.000 | Grumme, Tom S & Sue D                | S10 T17 R3 LaComa Estates Lot 3   | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   |             |       |         |
| 17-13-10-04-01-008.000 | Howard, Janet L                      | S10 T17 R3 LaComa Estates Lot 13  | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   |             |       |         |
| 17-13-10-04-01-001.000 | Hussain, Ashfaq                      | S10 T17 R3 LaComa Estates Lot 6   | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   |             |       |         |
| 17-13-10-04-01-010.000 | Hussain, Syed Ehtesham               | S10 T17 R3 LaComa Estates Lot 2   | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   |             |       |         |
| 99-99-99-99-999.002    | Indiana Department Of Transportation | S10 T17 R3 I-465, 22.76 Ac        | Roads             | 68.28    | \$682.80  | 50.37%  |             |       |         |
| 17-13-10-00-00-036.000 | J F 96th Street Realty LLC           | S10 T17 R3 24.70Ac                | Residential/Ag    | 24.70    | \$74.10   | 5.47%   |             |       |         |
| 17-13-10-04-01-013.000 | Kanis, Norman A & Amy                | S10 T17 R3 LaComa Estates Lot 5   | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   |             |       |         |
| 17-13-10-04-01-004.000 | KMA Real Estate Properties LLC       | S10 T17 R3 LaComa Estates Lot 9   | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   |             |       |         |
| 17-13-10-04-01-005.000 | Lambert, Charles Thomas & Pamela E   | S10 T17 R3 LaComa Estates Lot 10  | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   |             |       |         |
| 17-13-10-04-01-006.000 | Sniderman, Mark & Jennifer C         | S10 T17 R3 LaComa Estates Lot 11  | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   |             |       |         |
| 17-13-10-00-00-037.000 | Steck, William F III & Julie T       | S10 T17 R3 6.70Ac                 | Residential/Ag    | 6.70     | \$20.10   | 1.48%   |             |       |         |
| 17-13-10-04-01-009.000 | Torrance, Bruce H & Martha S         | S10 T17 R3 LaComa Estates Lot 1   | Un-regulated Subd | One Lot  | \$35.00   | 2.58%   |             |       |         |
| Parcel-17              |                                      |                                   |                   | 112.04Ac | \$1355.60 | 100.00% |             |       |         |
|                        |                                      |                                   |                   | 13 lots  |           |         |             |       |         |

Proposed Williams Creek Shed - 465 Assessment Area

| Road_Name          | Shed           | Entity | Type              | Area_Ac | Area_Ac_X3 |
|--------------------|----------------|--------|-------------------|---------|------------|
| I-465              | WMS CREEK #315 | INDOT  | INTERSTATE        | 22.76   | 68.28      |
| 96TH ST            | WMS CREEK #315 | CARMEL | MAJOR ROAD        | 2.65    | 7.95       |
| LACOMA ESTATES SUB | WMS CREEK #315 | CARMEL | SUBDIVISION ROADS | 1.47    | 4.41       |

# PROPOSED WILLIAMS CREEK SHED

## 465 Assessment Area



Printing Date: 7/3/2012  
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