

October 11, 2011

*Kenton C. Ward, CFM*  
*Surveyor of Hamilton County*

*Phone (317) 776-8495*

*Fax (317) 776-9628*

*Suite 188*  
*One Hamilton County Square*  
*Noblesville, Indiana 46060-2230*

To: Hamilton County Drainage Board

Re: Windemere Drain, Outlet Reconstruction

Attached is a petition and plans for the proposed reconstruction of the Windemere Drain. The reconstruction is being proposed by the City of Carmel. The proposal is to reconstruct the subdivision outlet to eliminate the flooding of 106<sup>th</sup> Street. The reconstruction is as shown per plans (sheet 400) by Crossroad Engineers, PC, having Job No. 11-03, and dated January 28, 2011.

The reconstruction will remove the 33 feet of 12" RCP from Structure 829 to 830, 33 feet of 12" RCP from Structure 829 to 831, 35 feet of twin 12" CMP from Structure 829 to 900/901, 21 feet of open ditch from Structure 900/901 running north, and 10 feet of 15" RCP from Structure 829 running south. This will all be replaced with 62 feet of 18" RCP and 4 feet of open ditch.

The new line will consist of the following:

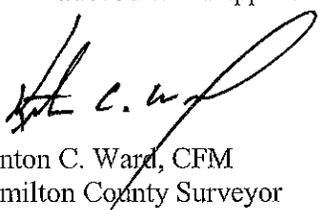
18" RCP      62 ft.                      Open Ditch - 4 ft.

The total length of new drain shall be 66 feet. The 132 feet of original drain between the structures listed above shall be vacated. This proposal will remove 66 feet from the drain's total length.

The cost of the relocation is to be paid by the City of Carmel. Because the project is to be paid by the petitioner and is within the boundaries of the City of Carmel Right of Way, the project falls under the requirements as set out in IC 36-9-27-52.5. Therefore, a noticed hearing is not required for the petition.

The City of Carmel was not required to provide surety.

I recommend approval by the Board at this time.

  
Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/pll



HAMILTON COUNTY DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN RE: Windemere Drain )  
Hamilton County, Indiana )

PETITION FOR RELOCATION AND RECONSTRUCTION

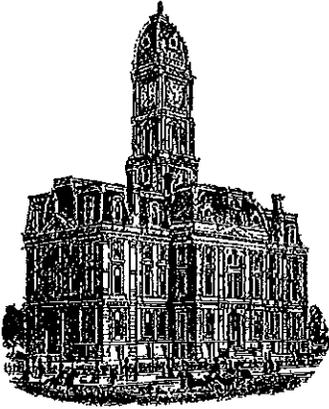
City of Carmel (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the Windemere Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Windemere Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the Windemere Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Windemere Drain, without cost to other property owners on the watershed of the Windemere Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Windemere Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

\_\_\_\_\_  
Signed  
Michael McBride  
\_\_\_\_\_  
Printed



*Kenton C. Ward, CFM*  
*Surveyor of Hamilton County*  
*Phone (317) 776-8495*  
*Fax (317) 776-9628*

*Suite 188*  
*One Hamilton County Square*  
*Noblesville, Indiana 46060-2230*

**To: Hamilton County Drainage Board**

**November 12, 2015**

**Re: Windemere Drain – Outlet Reconstruction**

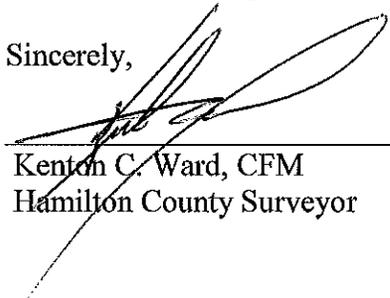
Attached are as-built, certificate of completion & compliance, and other information for Windemere Outlet Reconstruction. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes there were no significant changes made to the drainage plans submitted with my report for this drain dated October 11, 2011. The report was approved by the Board at the hearing held October 24, 2011. (See Drainage Board Minutes Book 14, Pages 3-4) Therefore, the length of the drain remains at **66 feet**. It should be noted that 136 feet of existing drain installed with Windemere Section 1 was removed with this project.

The work was done within existing right of way and drainage easements. The cost of the reconstruction was paid for by the City of Carmel and therefore, no sureties were required.

I recommend the Board approve the drain's construction as complete and acceptable.

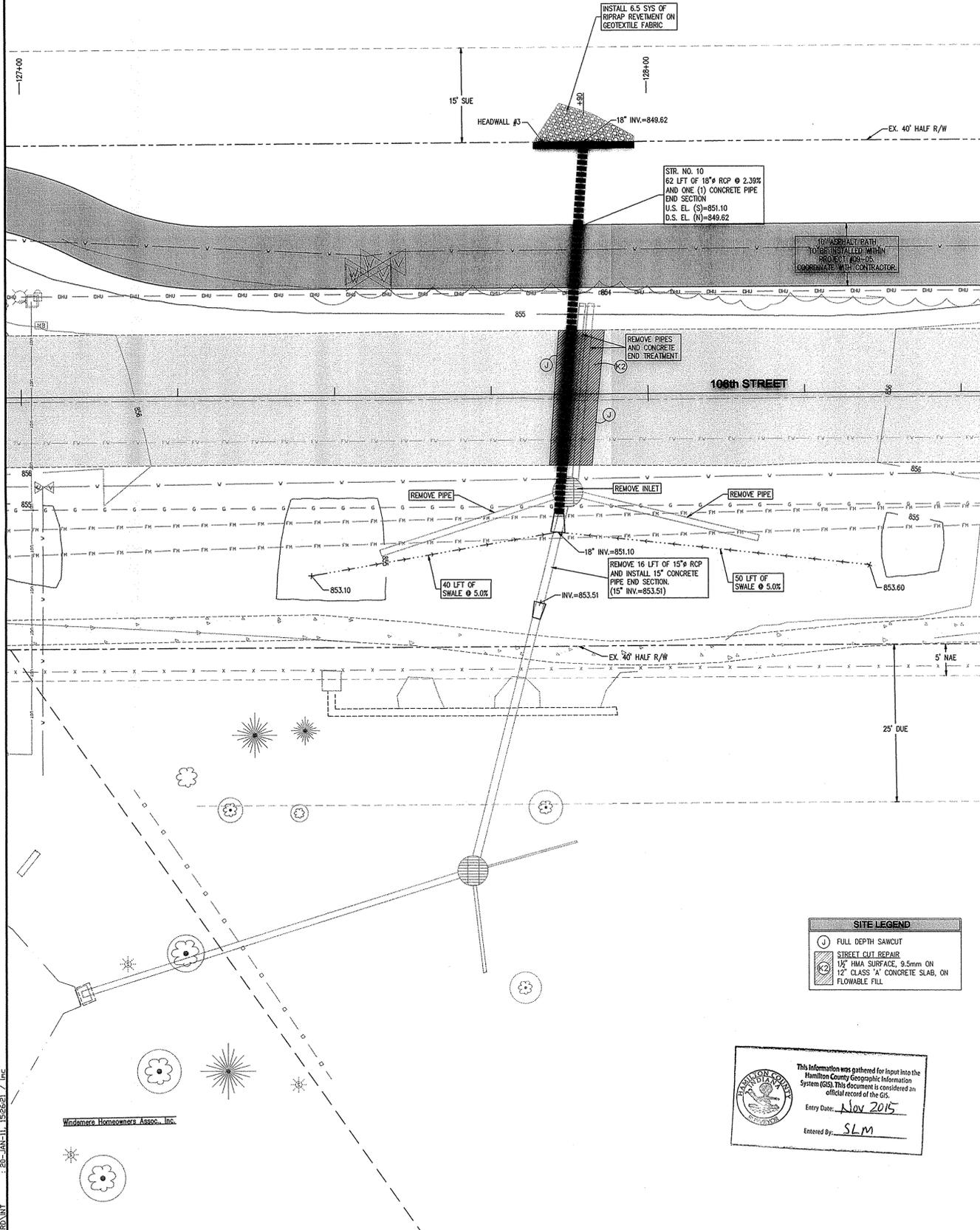
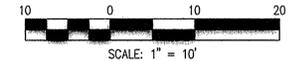
Sincerely,



---

Kenton C. Ward, CFM  
Hamilton County Surveyor

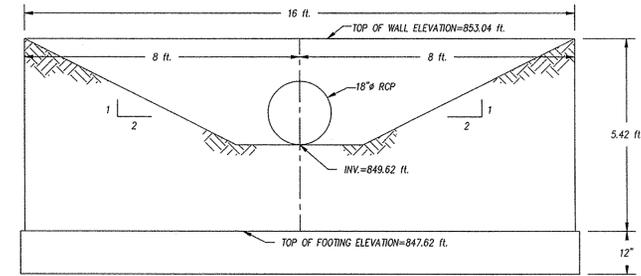
WOODSIDE ESTATES  
SECTION 7 - LOT 112  
P.B. & PG. 117  
Eric D. & Sally M. Blom



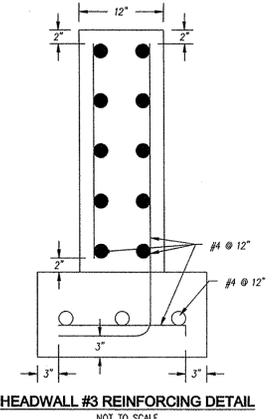
**SITE LEGEND**

	FULL DEPTH SAWCUT
	STREET CUT REPAIR 1 1/2\" HMA SURFACE, 9.5mm ON 12\" CLASS \"A\" CONCRETE SLAB, ON FLOWABLE FILL

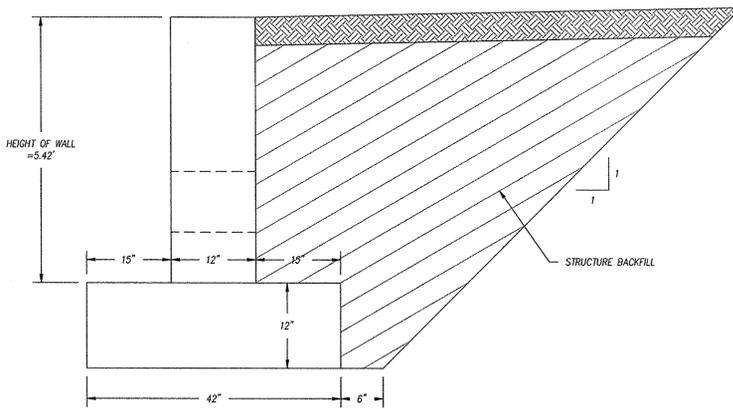
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.  
 Entry Date: Nov 2015  
 Entered By: SLM



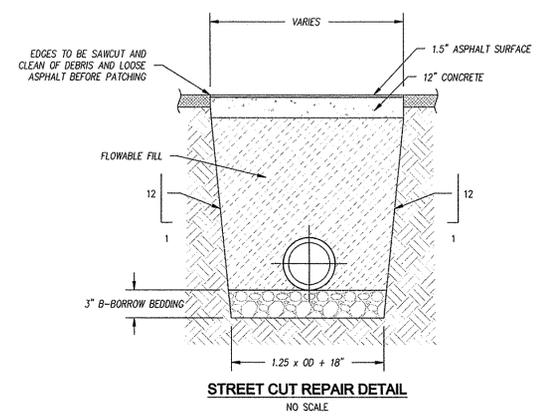
**HEADWALL #3 ELEVATION**  
NOT TO SCALE



**HEADWALL #3 REINFORCING DETAIL**  
NOT TO SCALE



**HEADWALL SECTION**  
NOT TO SCALE



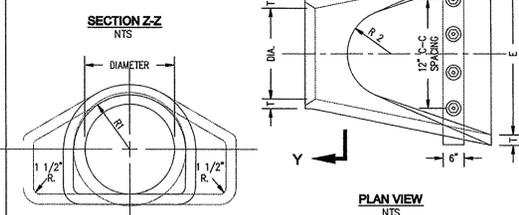
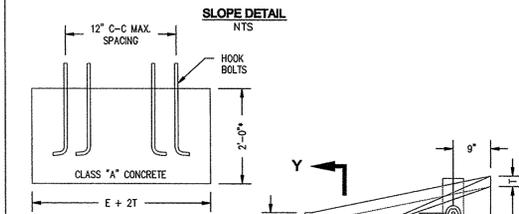
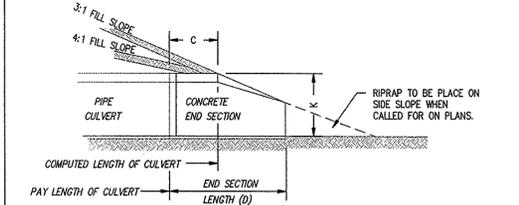
**STREET CUT REPAIR DETAIL**  
NO SCALE

- STREET CUT REPAIR NOTES:**
- TRENCH SPOIL IS TO BE REMOVED FROM WORK SITE AND DISPOSED OF OUT OF THE RIGHT-OF-WAY.
  - FLOWABLE FILL IS TO SERVE AS BACKFILL TO THE DIMENSION LISTED IN THIS DETAIL.
  - THE EXISTING PAVEMENT IS TO BE TACK COATED PRIOR TO THE LAYING OF NEW ASPHALT. TACK COAT IS TO BE APPLIED AS SPECIFIED IN THE LATEST STANDARD OF INDOT SPECIFICATIONS, SECTION 902.
  - THE NEW SURFACE IS TO BE SLOPED AT THE SAME RATE AS THE EXISTING SURFACE.
  - FLOWABLE FILL SHALL CONFORM TO INDOT SPECIFICATION SECTION 213.

**PRECAST CONCRETE END SECTION TABLE**

DIA.	WALL	G OR T	WT. SEC.	A	B	C	D	E	DIA.+1	R-1	SKIRT		
12	2	1 1/2	530	4	24	48	7/8	72	7/8	24	13	10 1/16	3 1/2
15	2 1/4	2	740	6	27	46	7/8	30	16	12 1/2	3 1/2		
18	2 1/2	2 1/2	890	9	27	46	7/8	36	19	15 1/2	4		
21	2 1/4	2 1/4	1280	9	35	38	7/8	42	22	16 1/8	4		
24	2 1/2	2 1/2	1520	9 1/2	43	1/2	30	73	1/2	48	25	16 11/16	4 1/2

NOTES:  
 1. MANUFACTURE OF END SECTION IS IN ACCORDANCE WITH APPLICABLE PORTIONS OF A.S.T.M. SPECIFICATION C76.



**PRECAST CONCRETE END SECTION DETAIL**



**WINDEMERE CONSTRUCTION DETAILS**  
**CITY OF CARMEL ~ CULVERT REPLACEMENT**  
**GREENBRIER AND WINDEMERE**

JOB No. 11-03  
 DATE 01/28/2011

DRWN LMC  
 CHECKED GJJ  
 DESIGNED WFF  
 APPR. TEN

SHEET 400



NO.	DATE	BY	REVISIONS
1	02/09/11	WFF	REVISED HEADWALL NUMBERING, REMOVED HEADWALL FROM WINDEMERE HEADWALL, AND ADDED TOP SLAB REINFORCING NOTE.
2			
3			
4			
5			
6			
7			
8			
9			

SHEET 400

