

**Drain:** Village of West Clay Drain

**Improvement-Arm:** Section 15002 Arm

**Date Approved:** January 28, 2008

### Drain Input Checklist

- Create Regulated Drain Record in Posse \_\_\_\_\_
  - Drain Type
  - Outlet (Tab)
  - Outlet Attached
  - Location
  - Twp
  - Certification
  - Drain Number
  
- Enter Improvement Arm in Posse January 29, 2008  
(Construction Amount = Storm Drains, Erosion Control, Sub-surface drain & Earthwork)
  
- Scan Documents \_\_\_\_\_
  - Surveyor's Report
  - Engineer's Estimate
  - Bonds
  - Findings and Order
  - Petition
  
- Create Posse Inspection Job \_\_\_\_\_
  
- Enter into Watershed Summary Spreadsheet \_\_\_\_\_
  
- Check for Vacation of Drain & Map Changes \_\_\_\_\_
  
- Check Drainage Easement Classification \_\_\_\_\_
  
- Sum drain length & Validate in GIS \_\_\_\_\_
  
- Enter New Watershed Length into Posse \_\_\_\_\_
  
- Create Boundary of Improvement in GIS \_\_\_\_\_



SURVEYOR'S OFFICE

# Hamilton County

*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*

November 29, 2007

TO: Hamilton County Drainage Board

RE: Village of West Clay Drain, Section 15002 Arm.

Attached is a petition filed by Brenwick Development along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 15002 Arm, Village of West Clay Drain to be located in Clay Township. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable, will improve the public health, benefit a public highway, and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

12" RCP	955 ft.	18" RCP	1,035 ft.
15" RCP	100 ft.	21" RCP	59 ft.

Included in the above footage is 100 feet of 15" RCP that is replacing 100 feet of 18" RCP from the Village of West Clay Drain, Section 15001 Arm. The drain being replaced is from Structure 632 to Structure 631 as shown on page C101 of the plans for Village of West Clay, Section 15001 by Schneider Engineering, dated December 30, 2005 and having job number 1238.1501. The 100 feet of original drain between Structure 632 and Structure 631 shall be vacated.

Also included in the above footage is 243 feet of 18" RCP and 59 feet of 21" RCP that is replacing 295 feet of 21" RCP from the Village of West Clay Drain, Section 10009 Arm. The drain being replaced is the outlet from Hourglass Lake and runs from Structure A602 to Structure A601, and then to Structure A600 as shown on page C103 of the plans for Village of West Clay, Section 10009, by Schneider Engineering, dated August 21, 1998 and following job number 1238.1009. The 295 feet of original drain between Structure A602 and Structure A600 shall be vacated.

The total length of new tile shall be 2,149 feet. The total length of drain to be vacated is 395 feet. This proposal will add an additional 1,754 feet to the drains total length

The retention ponds (Pond "E" and Hourglass Lake) which are located in Block "B" Commons and Block "D" Commons are not to be considered part of the regulated drain for maintenance purposes. Only the inlets and outlets will be maintained as part of the regulated drain. The maintenance of the ponds (lakes) shall be the responsibility of the Homeowners Association as per the subdivision covenants on pages 11 and 12, sections 4 and 5, and recorded in the Office of the Hamilton County Recorder as instrument number 199909946964. The Board will however, retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained, thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) under curbs are not to be part of the regulated drain. This is per the agreement between Brenwick Development and the Hamilton County Commissioners on April 26, 1999. (See Commissioner's Minute Book 93, Pages 565-566).

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$5.00 per acre, \$5.00 per acre for roadways, with a \$120.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$3,840.00.

The petitioner has submitted surety for the proposed drain at this time. The sureties which are in the form of a Performance Bond are as follows:

Agent: Bond Safeguard Insurance Company  
Date: June 25, 2007  
Number: 5026867  
For: Storm Sewers  
Amount: \$205,790.40

Parcels assessed for this drain may be assessed for the Collins-Osborn or Williams Creek Drain at sometime in the future. Parcels assessed for this drain will also be assessed for the Elliott Creek Drain.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Village of West Clay Section 15002 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 28, 2008.



Kenton C. Ward, CFM  
Hamilton County Surveyor

STATE OF INDIANA        )  
  )  
COUNTY OF HAMILTON )

TO: HAMILTON COUNTY DRAINAGE BOARD  
% Hamilton County Surveyor  
One Hamilton County Square, Suite 188  
Noblesville, IN. 46060-2230

In the matter of                                   Village of WestClay                                   Subdivision, Section  
                                  15002                                   Drain Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in                                   Village of WestClay                                  , a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefited thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

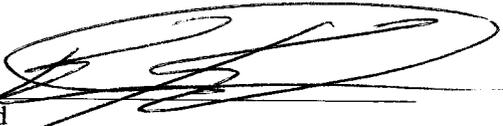
Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond or Non-Revocable Letter of Credit for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 120% of the Engineer's estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.
3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain file.
4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" Mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioners cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain as per IC 36-9-27-69(d).

**RECORDED OWNER(S) OF LAND INVOLVED**

 SIGNED _____	_____ SIGNED _____
KEVEN KBULIK, OWNER'S AGENT PRINTED NAME _____	_____ PRINTED NAME _____
4/30/07 DATE _____	_____ DATE _____
_____ SIGNED _____	_____ SIGNED _____
_____ PRINTED NAME _____	_____ PRINTED NAME _____
_____ DATE _____	_____ DATE _____

## Engineer's Construction Cost Estimate

Village of WestClay Section: 15002				6/25/2007
Item	Quantity	Unit Price	Cost	
<b>1 STORM SEWERS</b>				
12" RCP	1,228	feet	\$18.00	<u>\$22,104</u>
15" RCP	100	feet	\$20.00	<u>\$2,000</u>
18" RCP	558	feet	\$22.00	<u>\$12,276</u>
21" RCP	59	feet	\$24.50	<u>\$1,446</u>
60" RCP	315	feet	\$82.00	<u>\$25,830</u>
12" End Section	5	ea	\$800.00	<u>\$4,000</u>
18" End Section	3	ea	\$900.00	<u>\$2,700</u>
21" End Section	1	ea	\$950.00	<u>\$950</u>
60" End Section	3	ea	\$2,600.00	<u>\$7,800</u>
Curb Inlets	17	ea	\$1,650.00	<u>\$28,050</u>
Standard Manhole	5	ea	\$2,100.00	<u>\$10,500</u>
Connect to Existing Structure	1	ea	\$1,250.00	<u>\$1,250</u>
Granular Backfill & Bedding	1,940	tons	\$9.00	<u>\$17,460</u>
#8 Stone	34	tons	\$16.00	<u>\$544</u>
Rip Rap	200	tons	\$30.00	<u>\$6,000</u>
<b>Subtotal</b>				<b><u>\$142,910</u></b>

I hereby certify that the above Engineer's Construction Cost Estimate was prepared based on construction plans approved by the City of Carmel for the above referenced project and includes all costs associated with construction including material and labor.



Cerified By:  Date: 6/25/07

## Engineer's Construction Cost Estimate

Village of WestClay Section: 15002			6/25/2007
Item	Quantity	Unit Price	Cost
<b>1 MONUMENT AND MARKERS</b>			
Centerline Monuments	24	ea \$300.00	<u>\$7,200</u>
Subdivision Boundary Markers	0	ea \$500.00	
<b>Subtotal</b>			<b><u>\$7,200</u></b>

I hereby certify that the above Engineer's Construction Cost Estimate was prepared based on construction plans approved by the City of Carmel for the above referenced project and includes all costs associated with construction including material and labor.



Cerified By: Brandon T. Burke Date: 6/25/07



BOND SAFEGUARD INSURANCE COMPANY  
Lombard, IL 60148

SUBDIVISION PERFORMANCE BOND

HCD3-2007-00030

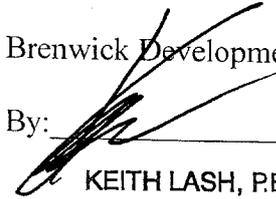
BOND #5026867

KNOW ALL MEN BY THESE PRESENTS, That we, **Brenwick Development Company, Inc.**, 12821 E. New Market Street, Carmel, IN 46032, as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Avenue, Bldg. A-Suite 300, Lombard, IL 60148, as Surety, are held and firmly bound unto the Hamilton County Board of Commissioners, One Hamilton Square, Noblesville, IN 46060, as Owner, in the sum of **\*\*Two Hundred Five Thousand Seven Hundred Ninety and 40/100\*\* Dollars (\$205,790.40)**, for payment of which we firmly bind ourselves, our heirs, executors, administrators, and assigns.

**THE CONDITION OF THIS BOND** is such that if the said Principal shall complete the construction of Storm Sewers in The Village of WestClay, Section 15002 Subdivision, according to the approved plans and specifications on file with the Hamilton County Board of Commissioners, then this obligation is null and void, otherwise to remain in full force and effect.

**IN WITNESS WHEREOF**, we have hereunto set our hands and seal this 25th Day of June, 2007.

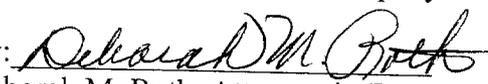
Brenwick Development Company, Inc.

By:   
\_\_\_\_\_

KEITH LASH, P.E.

Executive Vice President

Bond Safeguard Insurance Company

By:   
Deborah M. Roth, Attorney-in-Fact

American Contracting Services, Inc.  
7393 Business Center Drive, Suite 200  
Avon, IN 46123  
(317) 272-4861

POWER OF ATTORNEY  
**Bond Safeguard** INSURANCE COMPANY

AO 49569



KNOW ALL MEN BY THESE PRESENTS, that **BOND SAFEGUARD INSURANCE COMPANY**, an Illinois Corporation with its principal office in Lombard, Illinois, does hereby constitute and appoint: Anthony G. Balzano, Deborah M. Roth, \*\*\*\*\*  
Jacqueline Demeter \*\*\*\*\*

its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surely, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **BOND SAFEGUARD INSURANCE COMPANY** on the 7th day of November, 2001 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed \$1,000,000.00, One Million Dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Vice President, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **BOND SAFEGUARD INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate seal to be affixed this 7<sup>th</sup> day of November, 2001.



**BOND SAFEGUARD INSURANCE COMPANY**

BY *David E. Campbell*  
David E. Campbell  
President

**ACKNOWLEDGEMENT**

On this 7th day of November, 2001, before me, personally came David E. Campbell to me known, who being duly sworn, did depose and say that he is the President of **BOND SAFEGUARD INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.

**"OFFICIAL SEAL"**  
**MAUREEN K. AYE**  
Notary Public, State of Illinois  
My Commission Expires 09/21/09

*Maureen K. Aye*  
Maureen K. Aye  
Notary Public

**CERTIFICATE**

I, the undersigned, Secretary of **BOND SAFEGUARD INSURANCE COMPANY**, An Illinois Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Sealed at Lombard, Illinois this 25th Day of June, 20 07



*Donald D. Buchanan*  
Donald D. Buchanan  
Secretary



BOND SAFEGUARD INSURANCE COMPANY  
Lombard, IL 60148

HCDB-2007-00037

SUBDIVISION PERFORMANCE BOND

BOND #5026868

KNOW ALL MEN BY THESE PRESENTS, That we, **Brenwick Development Company, Inc.**, 12821 E. New Market Street, Carmel, IN 46032, as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Avenue, Bldg. A-Suite 300, Lombard, IL 60148, as Surety, are held and firmly bound unto the Hamilton County Board of Commissioners, One Hamilton Square, Noblesville, IN 46060, as Owner, in the sum of **\*\*Ten Thousand Three Hundred Sixty-Eight and 00/100\*\*Dollars (\$10,368.00)**, for payment of which we firmly bind ourselves, our heirs, executors, administrators, and assigns.

**THE CONDITION OF THIS BOND** is such that if the said Principal shall complete the construction of Monuments and Markers in The Village of WestClay, Section 15002 Subdivision, according to the approved plans and specifications on file with the Hamilton County Board of Commissioners, then this obligation is null and void, otherwise to remain in full force and effect.

**IN WITNESS WHEREOF**, we have hereunto set our hands and seal this 25th Day of June, 2007.

Brenwick Development Company, Inc.

By: \_\_\_\_\_

KEITH LASH, P.E.

Executive Vice President

Bond Safeguard Insurance Company

By: Deborah M. Roth

Deborah M. Roth, Attorney-in-Fact

American Contracting Services, Inc.  
7393 Business Center Drive, Suite 200  
Avon, IN 46123  
(317) 272-4861

POWER OF ATTORNEY  
**Bond Safeguard** INSURANCE COMPANY

AO 49570



KNOW ALL MEN BY THESE PRESENTS, that **BOND SAFEGUARD INSURANCE COMPANY**, an Illinois Corporation with its principal office in Lombard, Illinois, does hereby constitute and appoint: Anthony G. Balzano, Deborah M. Roth, \*\*\*\*\*  
Jacqueline Demeter \*\*\*\*\*

its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surely, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **BOND SAFEGUARD INSURANCE COMPANY** on the 7th day of November, 2001 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed \$1,000,000.00, One Million Dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Vice President, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **BOND SAFEGUARD INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate seal to be affixed this 7<sup>th</sup> day of November, 2001.



**BOND SAFEGUARD INSURANCE COMPANY**

BY *David E. Campbell*  
David E. Campbell  
President

**ACKNOWLEDGEMENT**

On this 7th day of November, 2001, before me, personally came David E. Campbell to me known, who being duly sworn, did depose and say that he is the President of **BOND SAFEGUARD INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.

**"OFFICIAL SEAL"**  
**MAUREEN K. AYE**  
Notary Public, State of Illinois  
My Commission Expires 09/21/09

*Maureen K. Aye*  
Maureen K. Aye  
Notary Public

**CERTIFICATE**

I, the undersigned, Secretary of **BOND SAFEGUARD INSURANCE COMPANY**, An Illinois Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Sealed at Lombard, Illinois this 25th Day of June, 2007



*Donald D. Buchanan*  
Donald D. Buchanan  
Secretary

FINDINGS AND ORDER

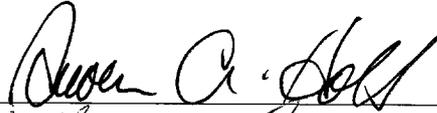
CONCERNING THE MAINTENANCE OF THE

Village of West Clay Drain, Section 15002 Arm

On this **28th day of January 2008**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Village of West Clay Drain, Section 15002 Arm**.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest:



FINDINGS AND ORDER

CONCERNING THE PARTIAL VACATION OF THE

**Village of West Clay Drain, Section 10009 Arm  
Structure A602 to Structure A600**

On this **28th day of January 2008**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Village of West Clay Drain, Section 10009 Arm, Structure A602 to Structure A600**.

Evidence has been heard. Objections were presented and considered. The Board then adopted an order of action. The Board now finds that the costs of continued maintenance to the portion of the above drain exceed the benefits to the real estate benefited by the portion of the drain to be abandoned and issues this order vacating the above section of the **Village of West Clay Drain, Section 10009 Arm**.

HAMILTON COUNTY DRAINAGE BOARD

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
Member

  
\_\_\_\_\_  
Member

Attest: 

FINDINGS AND ORDER

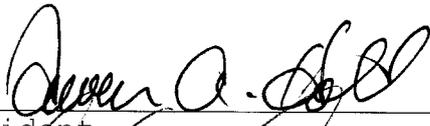
CONCERNING THE PARTIAL VACATION OF THE

**Village of West Clay Drain, Section 15001 Arm  
Structure 632 to Structure 631**

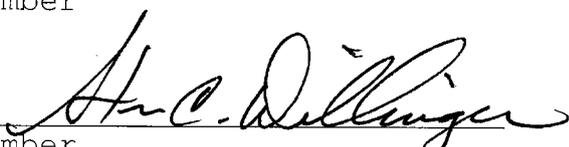
On this **28th day of January 2008**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Village of West Clay Drain, Section 15001 Arm, Structure 632 to Structure 631**.

Evidence has been heard. Objections were presented and considered. The Board then adopted an order of action. The Board now finds that the costs of continued maintenance to the portion of the above drain exceed the benefits to the real estate benefited by the portion of the drain to be abandoned and issues this order vacating the above section of the **Village of West Clay Drain, Section 15001 Arm**.

HAMILTON COUNTY DRAINAGE BOARD

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
Member

  
\_\_\_\_\_  
Member

Attest: 

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF

***Village of West Clay Drain, Section 15002 Arm***

NOTICE

To Whom It May Concern and: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Village of West Clay Drain, Section 15002 Arm** on **January 28, 2008** at **9:15 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF THE

*Village of West Clay Drain, Section 15002 Arm*

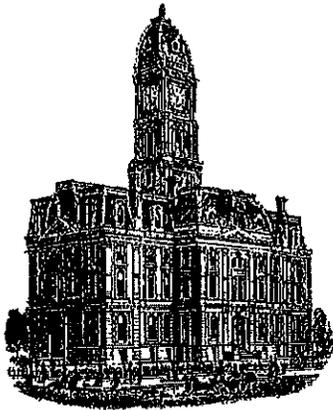
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **January 28, 2008** has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY



*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**

**March 6, 2019**

**Re: Village of West Clay Drain – Section 15002**

Attached are as-built, certificate of completion & compliance, and other information for Village of West Clay Section 15002. 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 were made to the drain, which will alter the plans submitted with my report for this drain-dated November 29, 2007. The report was approved by the Board at the hearing held January 28, 2008. (See Drainage Board Minutes Book 11, Pages 31-33) The changes are as follows: the 12" RCP was shortened from 955 feet to 949 feet. The 15" RCP was lengthened from 100 feet to 101 feet. The 18" RCP was shortened from 1,035 feet to 966 feet. The length of the drain due to the changes described above is now **2,075 feet**.

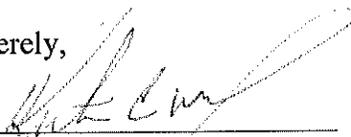
The secondary plat was recorded in two sections. The non-enforcement for Village of West Clay Section 15002 A was approved by the Board at its meeting on February 11, 2008 and recorded under instrument #2008037265. The non-enforcement for Village of West Clay Section 15002B was approved by the Board at its meeting on February 11, 2008 and recorded under instrument #2017013936.

The following sureties were guaranteed by Bond Safeguard Insurance Company and released by the Board on its February 25, 2019 meeting.

Bond-LC No: 5026867  
Amount: \$205,790.40  
For: Storm Sewers  
Issue Date: June 25, 2007

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Kenton C. Ward', written over a horizontal line.

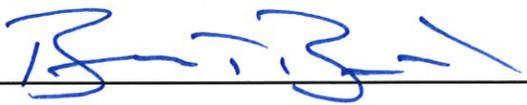
Kenton C. Ward, CFM  
Hamilton County Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR  
RE: Village of West Clay Section 15002-A

I hereby certify that:

1. I am a Register Engineer in the State of Indiana
2. I am familiar with the plans and specifications for the above referenced subdivision.
3. I have personally observed and supervised the completion of the Drainage Facilities for the above referenced subdivision, and
4. The drainage facilities within the above referenced subdivision to the best of my knowledge, information, and belief have been installed and completed in conformity with all plans and specifications.
5. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been correctly represented on the Record Drawings, Digital Record Drawings and the Structure Data Spreadsheet.

Signature:  Date: 12/18/08

Type or print name: Brandon T Burke, P.E.

Business /Address: The Schneider Corporation  
12821 E. New Market Street, Suite 100, Carmel, IN 46032

Telephone: (317) 826-7100

SEAL

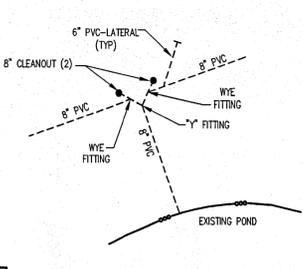
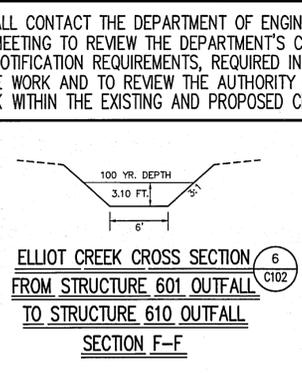
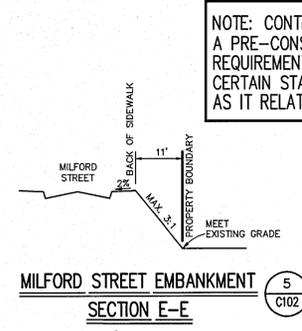
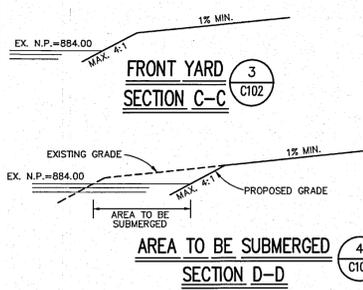


INDIANA REGISTRATION NUMBER

PE 10000075

*Filed  
12/22/2008  
Surveyor's Office*



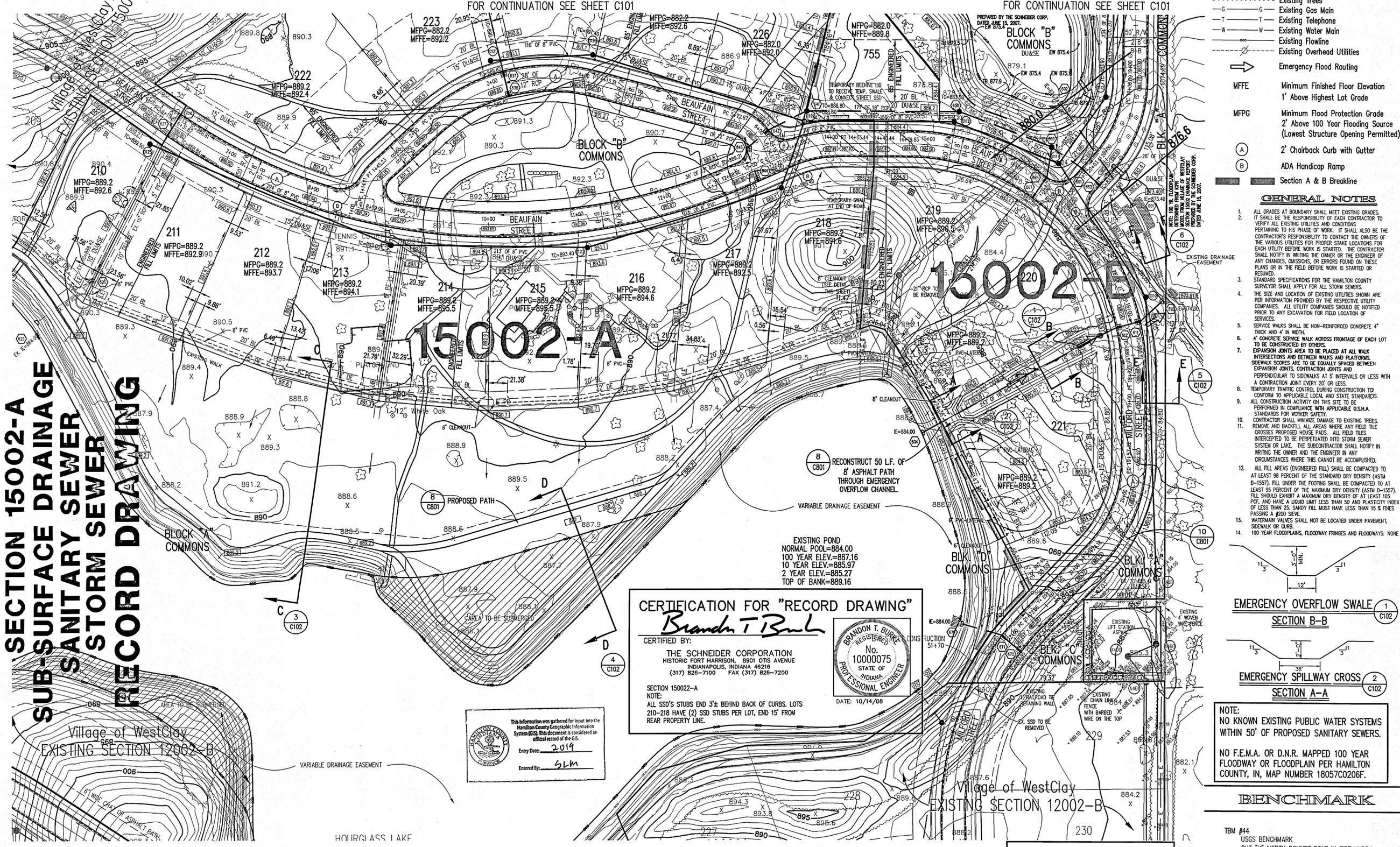


CLAY TOWNSHIP REGIONAL WASTE DISTRICT  
SANITARY SEWER STRUCTURE NUMBER PREFIX:  
VWC-000  
(Village of WestClay - Structure number)

HOLEY MOLEY SAYS  
"DON'T DIG BLIND"  
"IT'S THE LAW"  
CALL 2 WORKING DAYS BEFORE YOU DIG  
1-800-382-5544  
CALL TOLL FREE  
PER INDIANA STATE LAW IS-69-1991,  
IT IS AGAINST THE LAW TO EXCAVATE  
WITHOUT NOTIFYING THE UNDERGROUND  
LOCATION SERVICE TWO (2) WORKING  
DAYS BEFORE COMMENCING WORK.

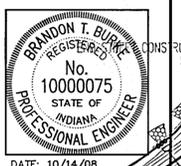
- LEGEND**
- Existing Storm Sewer
  - New Storm Sewer
  - Existing Sanitary Sewer
  - New Sanitary Sewer
  - Existing Contour
  - Existing Elevation
  - New Pavement Grade
  - All Other Finish Grades
  - Match Existing Grades
  - Storm Structure Number
  - Sanitary Structure Number
  - Flow Arrow
  - 6" Subsurface Drain
  - 4" SSD Lot Lateral
  - Swale (E) with Elevation
  - Water Main
  - Existing Trees
  - Existing Gas Main
  - Existing Telephone
  - Existing Water Main
  - Existing Flowline
  - Existing Overhead Utilities
  - Emergency Flood Routing

REVISIONS:  
1. REV. 01/07/06 REVISED PER IAC AND CLIENT COMMENTS.  
2. REV. 02/07/06 REVISED PER IAC COMMENTS.  
3. REV. 02/07/06 REVISED PER IAC COMMENTS.  
4. REV. 02/07/06 REVISED PER IAC COMMENTS.  
5. REV. 02/07/06 REVISED PER IAC COMMENTS.  
6. REV. 02/07/06 REVISED PER IAC COMMENTS.  
7. REV. 02/07/06 REVISED PER IAC COMMENTS.  
8. REV. 02/07/06 REVISED PER IAC COMMENTS.  
9. REV. 02/07/06 REVISED PER IAC COMMENTS.  
10. REV. 02/07/06 REVISED PER IAC COMMENTS.



**SECTION 15002-A  
SUB-SURFACE DRAINAGE  
SANITARY SEWER  
STORM SEWER  
RECORD DRAWING**

**CERTIFICATION FOR "RECORD DRAWING"**  
*Brandon T. Burke*  
CERTIFIED BY:  
THE SCHNEIDER CORPORATION  
HISTORIC FORT HARRISON, 8901 OTIS AVENUE  
INDIANAPOLIS, INDIANA 46216  
(317) 828-7100 FAX (317) 828-7200  
SECTION 150022-A  
NOTE:  
ALL SSD'S STUBS END 3± BEHIND BACK OF CURBS. LOTS  
210-218 HAVE (2) SSD STUBS PER LOT, END 15' FROM  
REAR PROPERTY LINE.



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: 2019  
Entered By: SLM

NOTE:  
NO KNOWN EXISTING PUBLIC WATER SYSTEMS  
WITHIN 50' OF PROPOSED SANITARY SEWERS.  
NO F.E.M.A. OR D.N.R. MAPPED 100 YEAR  
FLOODWAY OR FLOODPLAIN PER HAMILTON  
COUNTY, IN, MAP NUMBER 18057C0206F.

**BENCHMARK**  
TBM #44  
USGS BENCHMARK  
CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT  
EAST SIDE HOOVER RD. ±100' SOUTH OF CLARIDGE  
FARM ENTRANCE.  
ELEVATION - 893.39

DATE: 09/01/06  
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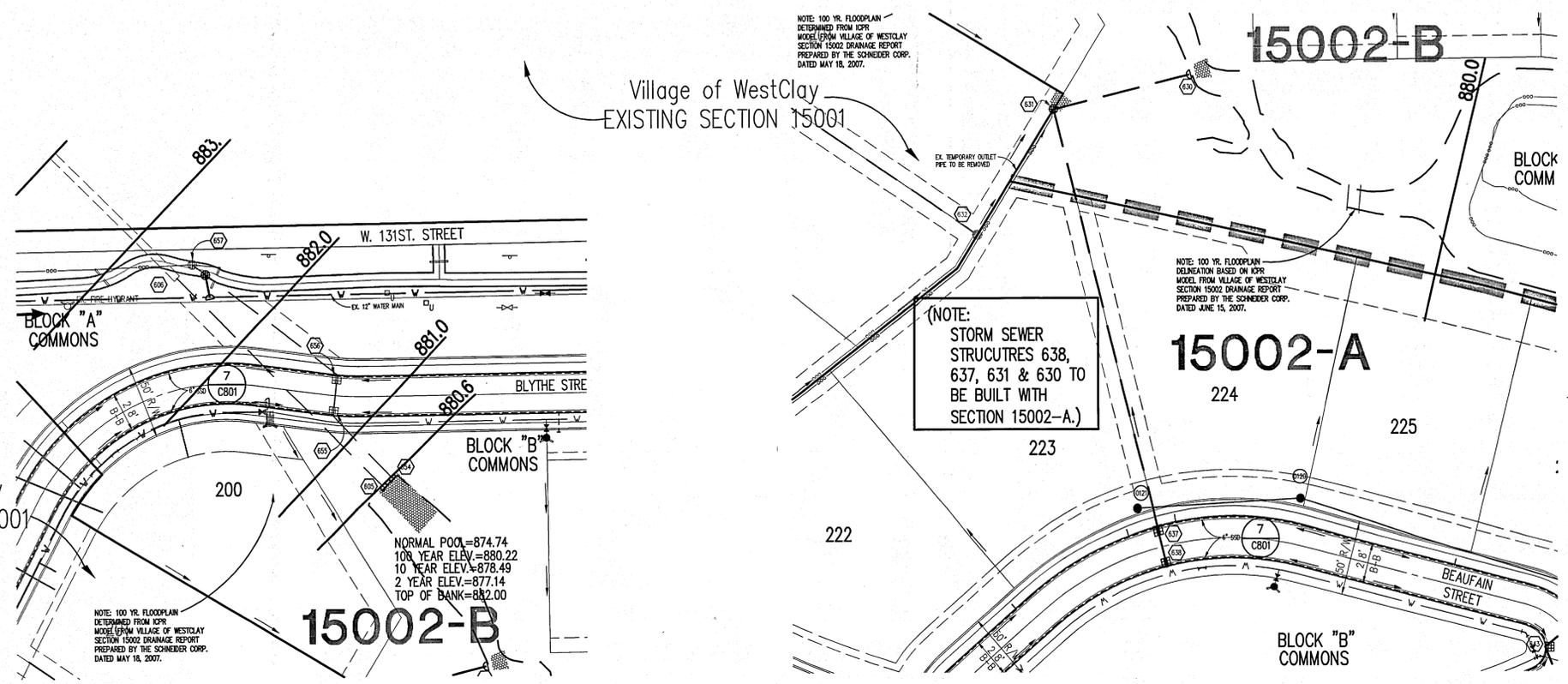
**Schneider**

THE SCHNEIDER CORPORATION  
12821 E. New Market Street  
Suite 301  
Carmel, IN 46032  
Telephone: 317.559.8112  
Fax: 317.826.4110  
www.schneidercorp.com

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Land Surveying  
Landscape Architecture  
Transportation Engineering

Village of WestClay  
SECTIONS 15002-A & 15002-B  
CARMEL, INDIANA  
BRENWICK DEVELOPMENT CO.  
CARMEL, INDIANA

DATE: 09/01/06	PROJECT NO: 1238.1502
DRAWN BY: DCC	CHECKED BY: DKS
SHEET TITLE: DEVELOPMENT PLAN	
DRAWING FILES: N:\1238\1502\DWG\C101-C102.DWG XREF: 100995.DWG, 120185.DWG XREF: 120245.DWG, 120285.DWG XREF: 12381501top.DWG XREF: 150185.DWG XREF: CA13.DWG, CA14.DWG XREF: 1502-A-B5.DWG, 1502-B-B5.DWG	
SHEET NO: C102	



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CALL 2 WORKING DAYS BEFORE YOU DIG  
1-800-382-5544  
CALL TOLL FREE  
PER INDIANA STATE LAW IS-69-1991.  
IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

REVISIONS:

1. REV. 11/17/06. REVISED PER TAC COMMENTS.
2. REV. 11/17/06. REVISED PER TAC COMMENTS.
3. REV. 5/17/07. REVISED PER CLIENT REQUEST.
4. REV. 5/17/07. REVISED PER TAC COMMENTS.
5. REV. 7/12/07. REVISED PER TAC COMMENTS.
6. REV. 7/12/07. REVISED PER CITY OF CARMEL COMMENTS.
7. DEC. 07/12/08. DIVIDED SET INTO TWO PHASES PER CLIENT REQUEST.
8. DEC. 4/10/08. REVISED EXISTING PER FINAL SECONDARY PLAT CHECK PER BRENWICK.
9. DEC. 10/14/08. STORM SEWER RECORD DRAWINGS.
10. DEC. 10/14/08. STORM SEWER RECORD DRAWINGS.

STORM SEWER PLAN

SCALE: 1"=50'

**CERTIFICATION FOR "RECORD DRAWING"**

*Brandon T. Burke*

CERTIFIED BY:

THE SCHNEIDER CORPORATION  
HISTORIC FORT HARRISON  
8901 OTIS AVENUE  
INDIANAPOLIS, INDIANA 46216  
(317) 826-7100 FAX (317) 826-7300

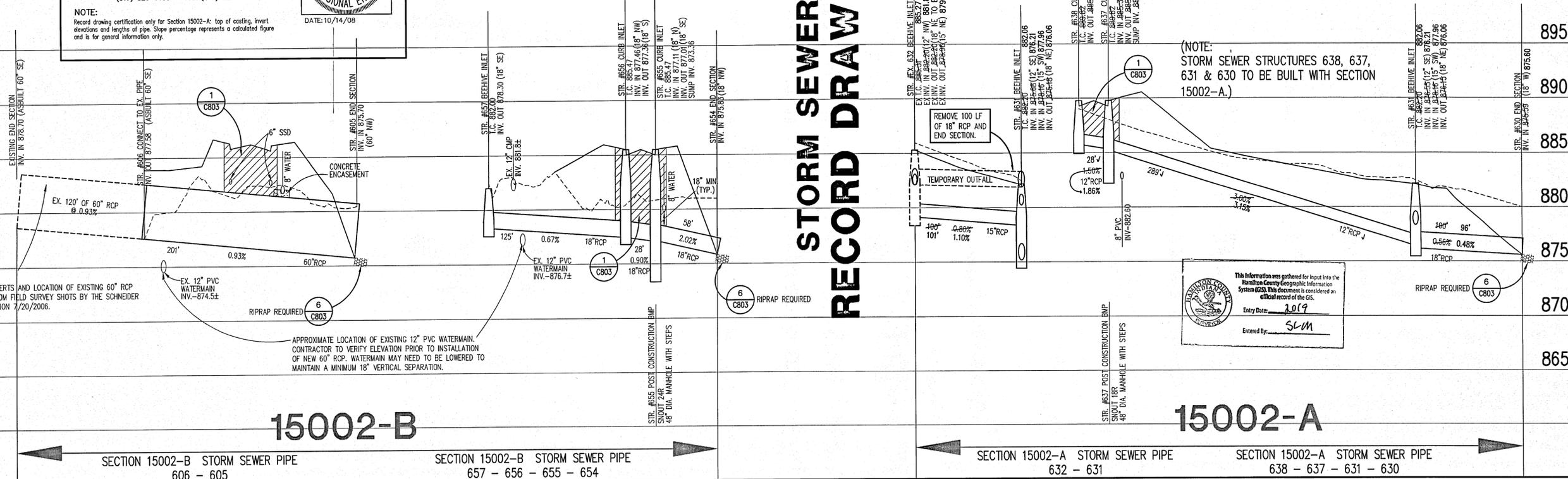
BRANDON T. BURKE  
REGISTERED  
No. 10000075  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DATE: 10/14/08

NOTE:  
Record drawing certification only for Section 15002-A: top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

PER CROSSROADS ENGINEERS REVIEW- FOR STRUCTURE No. 657 A PIPE CATCH BASIN MAY BE CONSTRUCTED INSTEAD OF A BEEHIVE INLET STRUCTURE GIVEN CONSTRUCTION TIMING OF 131ST STREET IMPROVEMENTS

STORM SEWER RECORD DRAWING



THE SCHNEIDER CORPORATION  
12821 E. New Market Street  
Suite 301  
Carmel, IN 46032  
Telephone: 317.569.8112  
Fax: 317.826.6410  
www.schneidercorp.com

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Landscape Architecture  
Transportation Engineering

Village of WestClay  
SECTIONS 15002-A & 15002-B  
CARMEL, INDIANA  
BRENWICK DEVELOPMENT CO.  
CARMEL, INDIANA

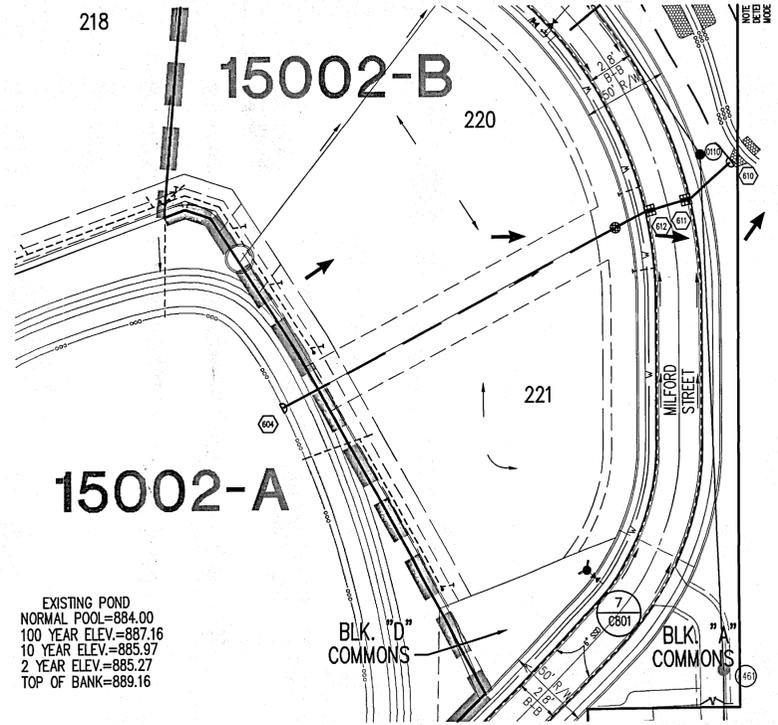
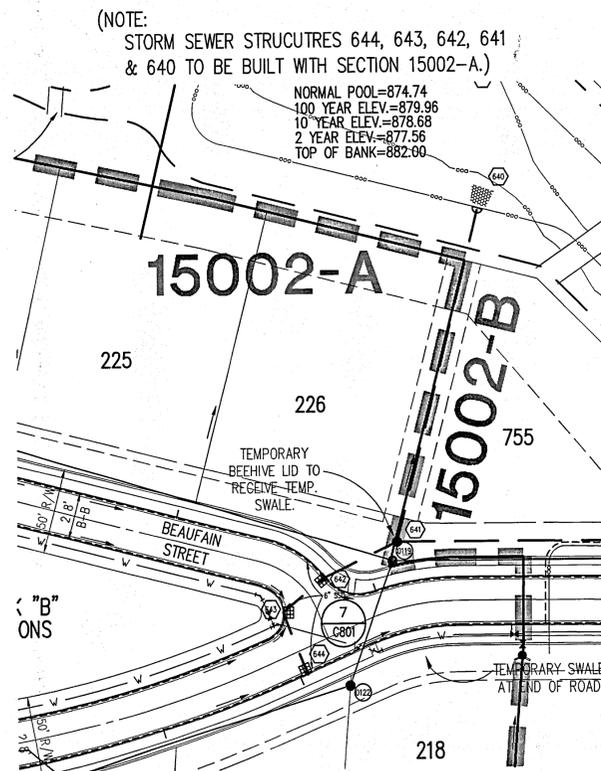
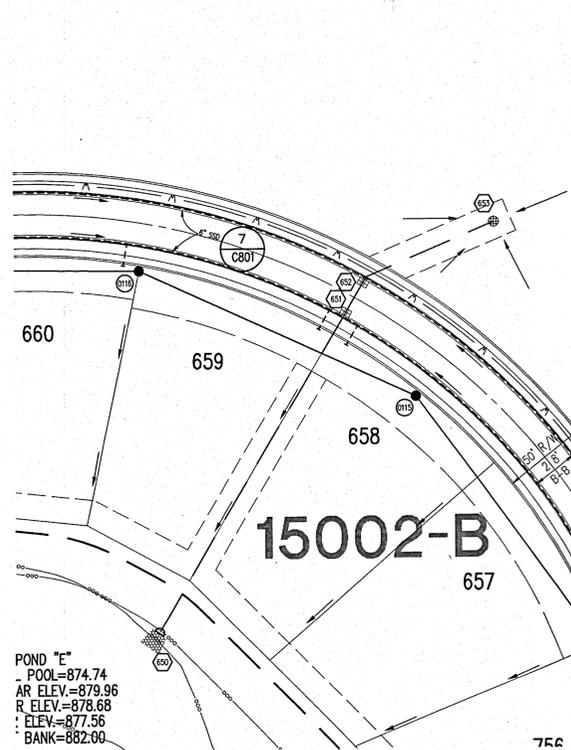
DATE: 09/01/06 PROJECT NO.: 1238.1502

DRAWN BY: DCC CHECKED BY: DKS

SHEET TITLE: STORM SEWER PLAN & PROFILE

DRAWING FILES:  
N:\238\1502\DWG\C801-603.DWG  
N:\238\1502\DWG\C803-630.DWG  
N:\238\1502\DWG\C803-631.DWG  
N:\238\1502\DWG\C803-632.DWG  
N:\238\1502\DWG\C803-637.DWG  
N:\238\1502\DWG\C803-638.DWG

SHEET NO.: C601



HOLEY MOLEY SAYS  
**"DON'T DIG BLIND"**  
  
**"IT'S THE LAW"**  
 CALL 2 WORKING DAYS BEFORE YOU DIG  
**1-800-382-5544**  
 CALL TOLL FREE  
 PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

**GENERAL NOTES**

- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
- ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
- CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

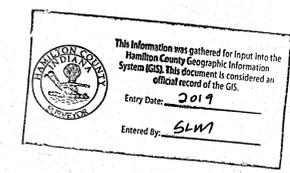
**LEGEND/DETAILS**

Sheet	Detail	Description
C803	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C803	3	Rail Curb Inlet Detail
C803	4	Beehive Inlet Detail
C803	2	Storm Manhole Detail
C803	5	Precast Concrete End Section
C803	6	Riprap Detail @ End Section

**NOTE**

**BENCHMARK**

TBM #44  
 USGS BENCHMARK  
 CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT  
 EAST SIDE HOOVER RD. ±100' SOUTH OF CLARIDGE  
 FARM ENTRANCE.  
 ELEVATION - 893.39



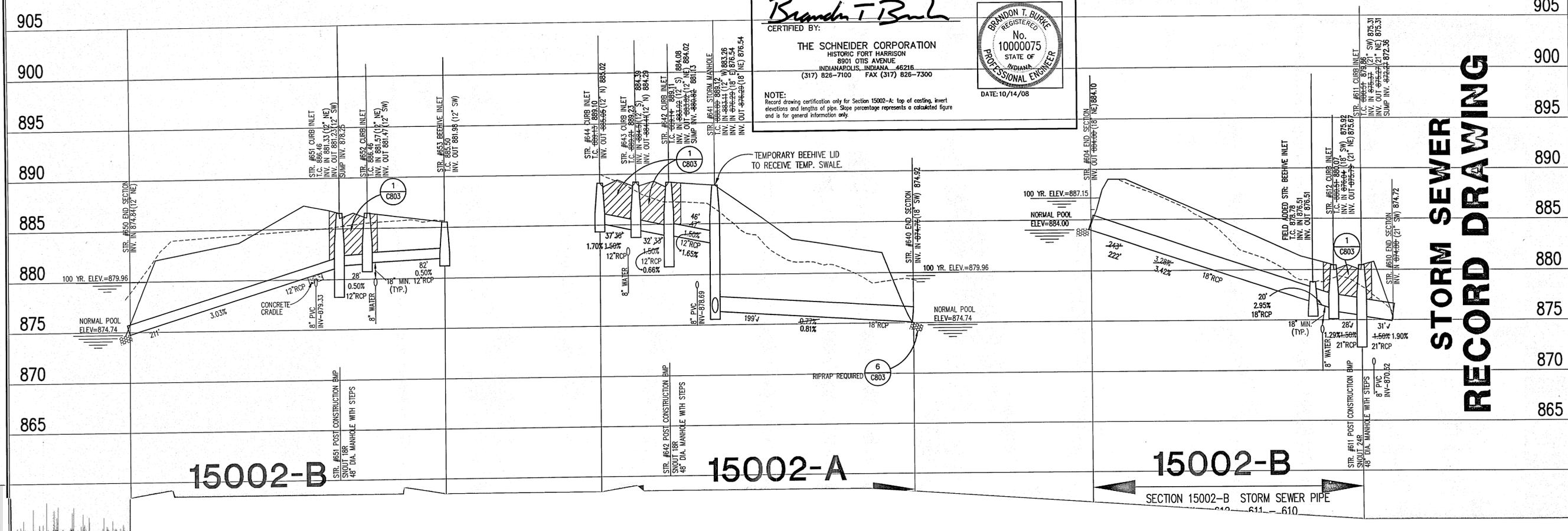
**STORM SEWER PLAN**

SCALE: 1"=50'

**CERTIFICATION FOR "RECORD DRAWING"**  
*Brandon T. Burke*  
 CERTIFIED BY:  
 THE SCHNEIDER CORPORATION  
 HISTORIC FORT HARRISON  
 8901 OTIS AVENUE  
 INDIANAPOLIS, INDIANA 46216  
 (317) 826-7100 FAX (317) 826-7300  
 DATE: 10/14/08

**BRANDON T. BURKE**  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 10000075  
 STATE OF INDIANA  
 DATE: 10/14/08

**NOTE:**  
 Record drawing certification only for Section 15002-A: top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.



**STORM SEWER RECORD DRAWING**

Village of WestClay  
 SECTIONS 15002-A & 15002-B  
 CARMEL, INDIANA  
 BRENNICK DEVELOPMENT CO.  
 CARMEL, INDIANA

DATE: 09/01/06 PROJECT NO: 1238.1502  
 DRAWN BY: DCC CHECKED BY: DKS  
 SHEET TITLE: STORM SEWER PLAN & PROFILE  
 DRAWING FILES:  
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 XREF: 1009BS.DWG, 1201BS.DWG  
 XREF: 1202BS.DWG, 12381501topo.DWG  
 XREF: 1502BS.DWG  
 XREF: CA14.DWG, STORM.DWG  
 XREF: 1502-A-BS.DWG, 1502-B-BS.DWG

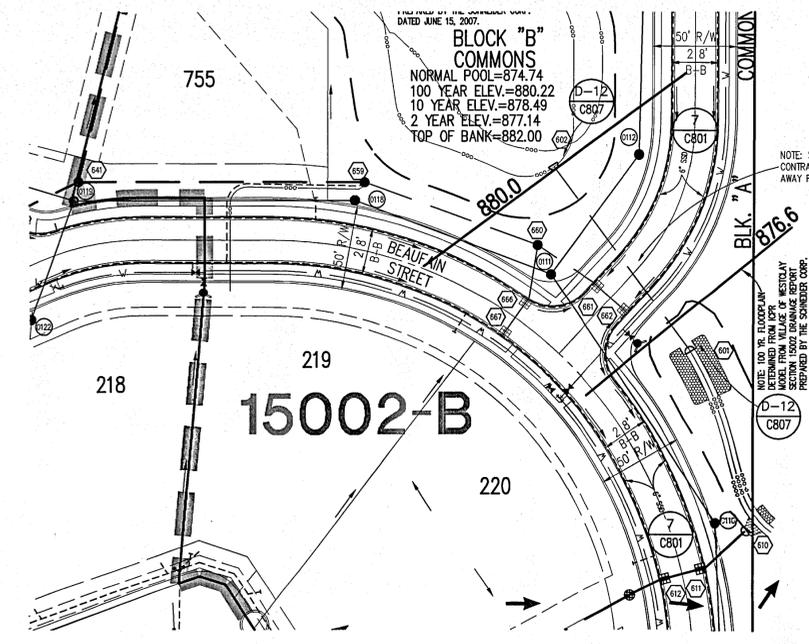
EXISTING POND  
NORMAL POOL=884.00  
100 YEAR ELEV.=887.16  
10 YEAR ELEV.=885.97  
2 YEAR ELEV.=885.27  
TOP OF BANK=889.16

15002-A

BLK. "D" COMMONS  
15002-B

BLK. "C" COMMONS

Village of WestClay  
EXISTING SECTION 12002-B



DATE: JUNE 15, 2007  
BLOCK "B" COMMONS  
NORMAL POOL=874.74  
100 YEAR ELEV.=880.22  
10 YEAR ELEV.=877.49  
2 YEAR ELEV.=877.14  
TOP OF BANK=882.00

NOTE: SSD'S BLOCKED BY THE 60" RCP.  
CONTRACTOR TO ENSURE POSITIVE DRAINAGE OF SSD'S  
AWAY FROM 60" RCP TOWARD NEAREST CURB INLET.

NOTE: THIS IS A REVISION  
DETERMINED FROM DATA  
OBTAINED FROM THE VILLAGE OF WESTCLAY  
PREPARED BY THE SCHNEIDER CORP.  
DATE: JUNE 15, 2007.

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DAYS BEFORE COMMENCING WORK.

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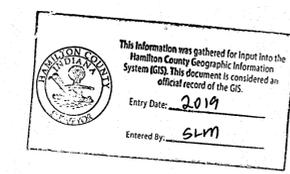
LEGEND/DETAILS

Sheet	Detail	Description
C803	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C803	3	Roll Curb Inlet Detail
C803	4	Beehive Inlet Detail
C803	2	Storm Manhole Detail
C803	5	Precast Concrete End Section
C803	6	RipRap Detail @ End Section

NOTE

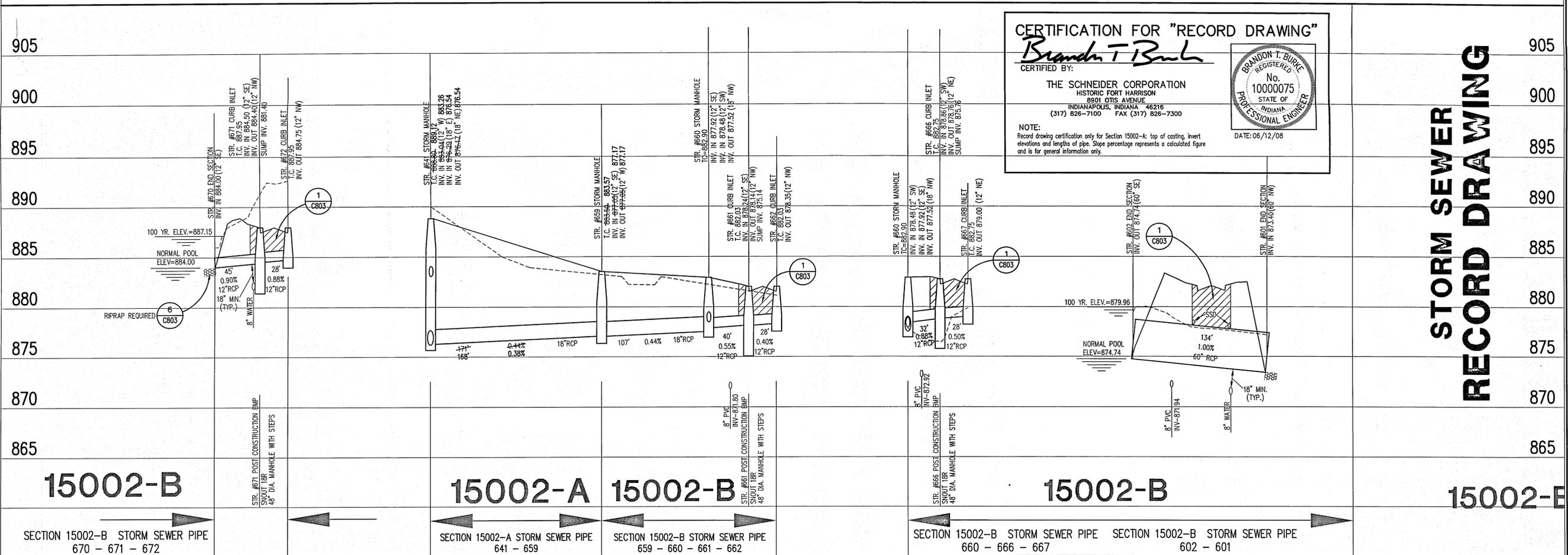
BENCHMARK

TBM #44  
USGS BENCHMARK  
CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT  
EAST SIDE HOOPER RD. ±100' SOUTH OF CLARIDGE  
FARM ENTRANCE.  
ELEVATION - 893.39



STORM SEWER PLAN

SCALE: 1"=50'



CERTIFICATION FOR "RECORD DRAWING"  
*Brandon T. Burke*  
CERTIFIED BY:  
THE SCHNEIDER CORPORATION  
HISTORIC FORT HARRISON  
8901 OTIS AVENUE  
INDIANAPOLIS, INDIANA 46216  
(317) 826-7100 FAX (317) 826-7300

NOTE:  
Record drawing certification only for Section 15002-A: top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

DATE: 06/12/08

STORM SEWER RECORD DRAWING

STORM SEWER PROFILE

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

SCALE: HORZ.: 1"=50'  
VERT.: 1"=5'

REVISIONS:  
1. REVISED PER TAC COMMENTS  
2. BET. 4/12/07 REVISED PER TAC AND CLIENT COMMENTS  
3. BET. 5/17/07 REVISED PER TAC COMMENTS  
4. BET. 5/20/07 REVISED PER TAC COMMENTS  
5. BET. 6/12/07 REVISED PER CITY OF CARMEL COMMENTS  
6. BET. 7/12/07 REVISED PER CITY OF CARMEL COMMENTS  
7. DCC: 07/12/08 DIVIDED SET INTO TWO PHASES PER CLIENT REQUEST.  
8. DCC: 06/12/08 STORM SEWER RECORD DRAWING.

DATE: 09/01/06  
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Transportation Engineering

Village of WestClay  
SECTIONS 15002-A & 15002-B  
CARMEL, INDIANA  
BRENNICK DEVELOPMENT CO.  
CARMEL, INDIANA

DATE: 09/01/06	PROJECT NO.: 1238.1502
DRAWN BY: DCC	CHECKED BY: DKS
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: N:\1238\1502\DWGS\C601-603.DWG XREF: 1009BS.DWG, 1201BS.DWG XREF: 1202BS.DWG, 12381501top.DWG XREF: 1501BS.DWG XREF: C614.DWG, STORMA.DWG XREF: 1502-A-B.DWG, 1502-B-B.DWG	

SHEET NO.: C603

SEC. 28-T18N-R3E

# VILLAGE OF WESTCLAY SECTIONS

## 15002-A & 15002-B

(CONSTRUCTION PLANS)

### HAMILTON COUNTY CARMEL, INDIANA

DEVELOPER:

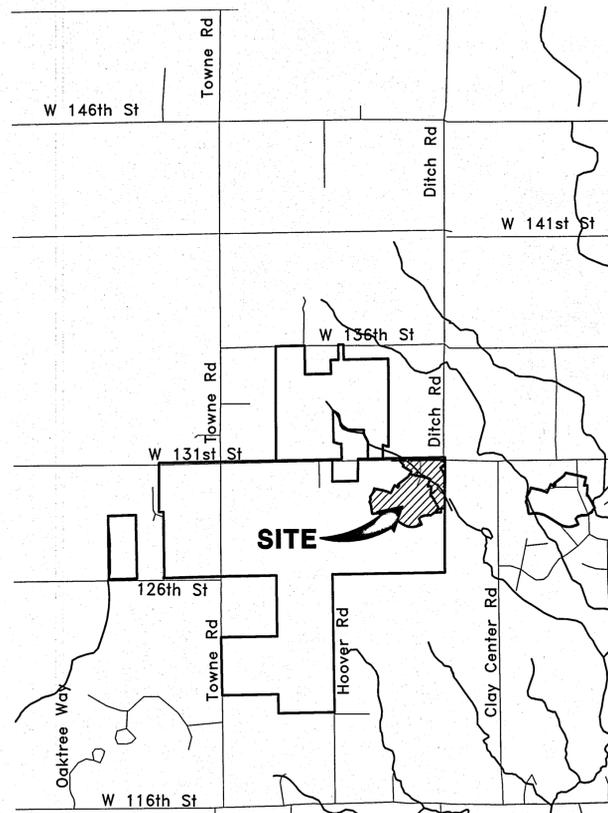
**BRENWICK DEVELOPMENT CO.**

12821 E. NEW MARKET STREET, SUITE 200

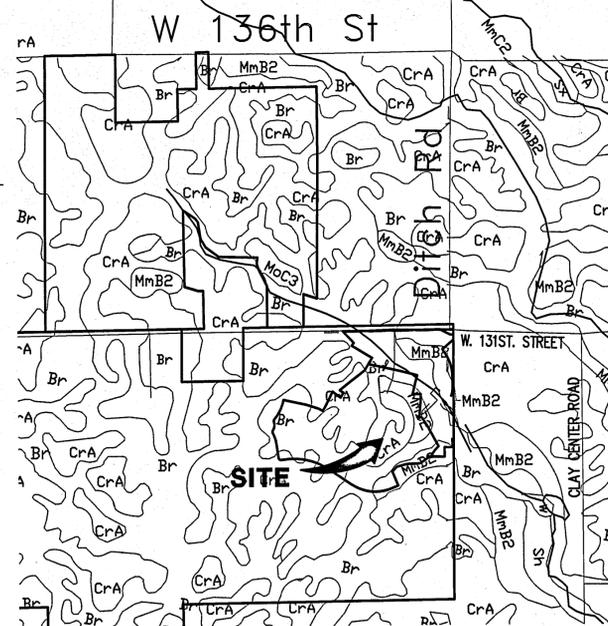
CARMEL, INDIANA 46032

(317) 574-3400

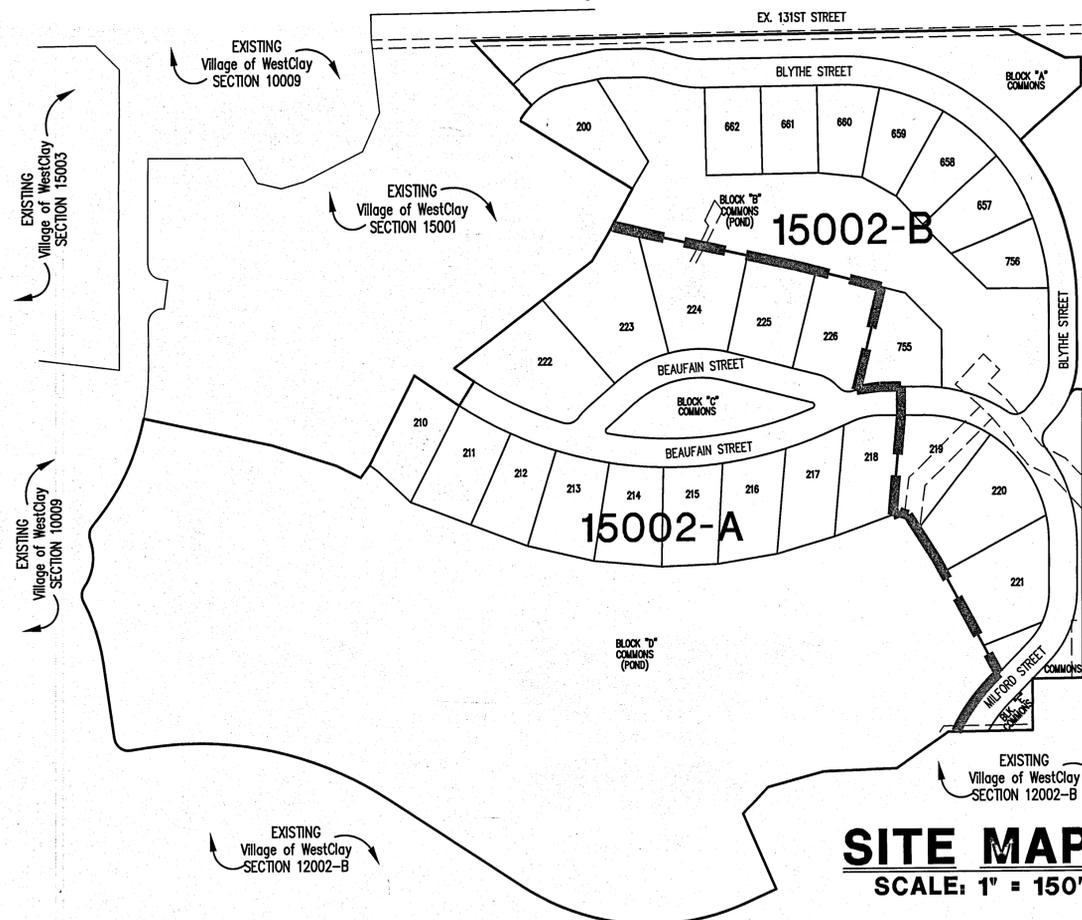
(317) 574-3919 FAX



**AREA MAP**  
NOT TO SCALE

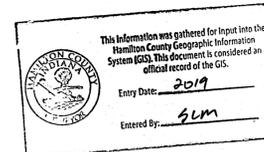


**SOILS MAP**  
NOT TO SCALE



**SITE MAP**  
SCALE: 1" = 150'

**ROADWAY DESIGN**  
SPEED = 20MPH



SHEET No.	DESCRIPTION
C100	COVER SHEET
C101-C102	DEVELOPMENT PLAN
C103-C104	PRE-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
C105-C107	STORMWATER POLLUTION PREVENTION PLAN
C108-C109	DEMOLITION PLAN
C110	TRAFFIC CONTROL PLAN
C201-C204	STREET PLAN & PROFILES
C301	INTERSECTION DETAILS
C401-C403	SANITARY SEWER PLAN & PROFILE
C601-C603	STORM SEWER PLAN & PROFILES
C701	WATER DISTRIBUTION PLAN
C702	WATER DETAILS AND SPECIFICATIONS
C801	STREET DETAILS
C802	SANITARY SEWER DETAILS
C803	STORM SEWER DETAILS
C804-C806	STORMWATER POLLUTION PREVENTION DETAILS & SPECIFICATIONS
C807	HAMILTON COUNTY DETAILS
C901	SPECIFICATIONS
C902	CARMEL SPECIFICATIONS

**WATER LINE**  
**SANITARY SEWER**  
**STORM SEWER**  
**RECORD DRAWING**



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Environmental Engineering  
Geotechnical Services  
GIS \* LIS  
Home Builder Services

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *AL Malekmarzban*  
AL MALEKMARZBAN, P.E.  
THE SCHNEIDER CORPORATION  
8901 OTIS AVENUE  
INDIANAPOLIS, INDIANA 46216  
(317) 826-7100 FAX (317) 826-7200



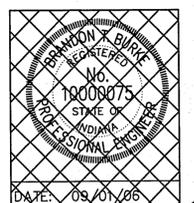
NOTE: Record drawing certification only for horizontal locations of storm sewer, sub-surface drain connections, above ground fire hydrants and water valves, pond normal pool locations, signs, and for vertical grades of swales. See storm profile sheets for vertical elevations.

DATE: 12/29/2016

REVISIONS:	DATE:	BY:	DESCRIPTION:
	4/13/07	BET	ALL SHEETS
	5/7/07	BET	C101 & C901
	5/16/07	BET	C101, C401 & C701
	5/17/07	BET	ALL SHEETS
	5/21/07	BET	C101, C401-C403, C802 & C901
	5/31/07	BET	C101, C102, C105, C106, C601-C603 & C803
	6/18/07	BET	ALL SHEETS
	6/25/07	BET	ALL SHEETS
	7/12/07	BET	ALL SHEETS
	02/12/08	DCC	ALL SHEETS
	9/21/16	TLS	UPDATES PER 15002-B SANITARY SEWER CONSTRUCTION
	10/14/16	TLS	UPDATED ROAD STATIONS
	12/29/16	CA	RECORD DRAWING INFORMATION
			PROJECT ENGINEER: B.T.B.

CERTIFIED BY: *BRANDON T BURKE*

E-MAIL ADDRESS: bburke@schneidercorp.com



SHEET  
**C100**  
OF  
33

CHECKED BY: DKS DATE CHECKED: 3/5/07

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JOB No. 1238.1502

FILE NAME: N:\1238\1502\DWGS\C100.DWG



- DRIVEWAY AREA RESTORATION SEQUENCE**
1. Remove all pavement and aggregate down to subgrade.
  2. Backfill with topsoil.
  3. Restore roadside swale if applicable.
  4. Permanent seed or sod disturbed area.
  5. Connect asphalt path.

**DRIVEWAY AREA RESTORATION** (2)  
NO SCALE C101

NOTE: REFER TO SHEET C901 FOR POND LINER SPECIFICATIONS.  
NOTE: SEE SHEETS C108 AND C109 FOR DEMOLITION INFORMATION.

NOTE: CONTRACTOR SHALL CONTACT THE CITY OF CARMEL DEPARTMENT OF ENGINEERING TO SCHEDULE A PRE-CONSTRUCTION MEETING TO REVIEW THE DEPARTMENT'S CONSTRUCTION REQUIREMENTS, STAFF NOTIFICATION REQUIREMENTS, REQUIRED INSPECTIONS FOR CERTAIN STAGES OF THE WORK AND TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE EXISTING AND PROPOSED CITY RIGHT-OF-WAY.

NOTE: EXISTING UTILITIES MAY BE LOCATED IN THE VICINITY OF STORM STRUCTURES 606, 657, AND PIPE EXTENSIONS. CONTRACTOR TO VERIFY AND LOCATE ANY EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES MAY NEED TO BE RELOCATED OR LOWERED TO MAINTAIN ADEQUATE SEPARATION.

CLAY TOWNSHIP REGIONAL WASTE DISTRICT  
SANITARY SEWER STRUCTURE NUMBER PREFIX:  
VWC-000  
(Village of WestClay - Structure number)



ASSUMED NORTH  
SCALE: 1" = 50'  
POINT OF COMMENCEMENT

**HOLEY MOLEY SAYS "DON'T DIG BLIND"**

**"IT'S THE LAW"**  
CALL 2 WORKING DAYS BEFORE YOU DIG  
1-800-382-5544  
CALL TOLL FREE  
PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

- LEGEND**
- Existing Storm Sewer
  - New Storm Sewer
  - Existing Sanitary Sewer
  - New Sanitary Sewer
  - Existing Contour
  - Existing Elevation
  - New Pavement Grade
  - All Other Finish Grades
  - Match Existing Grades
  - Storm Structure Number
  - Sanitary Structure Number
  - Flow Arrow
  - 6" Subsurface Drain
  - 4" SSD Lot Lateral
  - Swale (S) with Elevation
  - Water Main
  - Existing Trees
  - Existing Gas Main
  - Existing Telephone
  - Existing Water Main
  - Existing Overhead Utilities
  - Existing Overhead Utilities
  - Emergency Flood Routing
  - MFFE Minimum Finished Floor Elevation  
1' Above Highest Lot Grade
  - MFPG Minimum Flood Protection Grade  
2' Above 100 Year Flooding Source  
(Lowest Structure Opening Permitted)
  - 2' Chairback Curb with Gutter
  - ADA Handicap Ramp
  - Section A & B Breakline

**GENERAL NOTES**

1. ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO HIS PHASE OF WORK. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATIONS FOR EACH UTILITY BEFORE WORK IS STARTED. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNER OR THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN THE FIELD BEFORE WORK IS STARTED OR RESUMED.
2. STANDARD SPECIFICATIONS FOR THE HAMILTON COUNTY SURVEYOR SHALL APPLY FOR ALL STORM SEWERS.
3. THE SIZE AND LOCATION OF EXISTING UTILITIES SHOWN ARE PER INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. ALL UTILITY COMPANIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION FOR FIELD LOCATION OF SERVICES.
4. SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4' IN WIDTH.
5. 4" CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
6. EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SPACES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS. CONTRACTION JOINTS AND PERPENDICULAR TO SIDEWALKS AT 5' INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20' OR LESS.
7. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
8. ALL CONSTRUCTION ACTIVITY ON THIS SITE IS TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
9. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES, REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD CROSSES PROPOSED HOUSE PADS. ALL FIELD TILES INTERCEPTED TO BE PERPETUATED INTO STORM SEWER SYSTEM OR LAKE. THE SUBCONTRACTOR SHALL NOTIFY IN WRITING THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.
10. ALL FILL AREAS (ENGINEERED FILL) SHALL BE COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD DRY DENSITY (ASTM D-1557). FILL UNDER THE FOOTING SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY (ASTM D-1557). FILL SHALL EXHIBIT A MAXIMUM DRY DENSITY OF AT LEAST 105 PCF, AND HAVE A LIQUID LIMIT LESS THAN 50 AND PLASTICITY INDEX OF LESS THAN 25. SANDY FILL MUST HAVE LESS THAN 15% FINES PASSING A #200 SIEVE.
11. WATER MAIN VALVES SHALL NOT BE LOCATED UNDER PAVEMENT, SIDEWALK OR CURB.
12. 100 YEAR FLOODPLAINS, FLOODWAY FRINGS AND FLOODWAYS: NONE

**Schneider**

THE SCHNEIDER CORPORATION  
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Transportation Engineering

Village of WestClay  
SECTIONS 15002-A & 15002-B  
CARMEL, INDIANA  
BRENNICK DEVELOPMENT CO.  
CARMEL, INDIANA

# 15002-B

## SECTION 15002-B WATER LINE SANITARY SEWER STORM SEWER RECORD DRAWING

**CERTIFICATION FOR "RECORD DRAWING"**

CERTIFIED BY: ALI MALEKMARZBAN, P.E.  
THE SCHNEIDER CORPORATION  
HISTORIC FORT HARRISON  
8901 OTIS AVENUE  
INDIANAPOLIS, INDIANA 46216  
(317) 828-7100 FAX (317) 826-7200

NOTE: Record drawing certification only for horizontal locations of storm sewer, sub-surface drain connections, above ground fire hydrants and water valves, pond normal pool locations, signs and for vertical grades of swales. See storm profile sheets for vertical elevations.

DATE: 1/30/2017

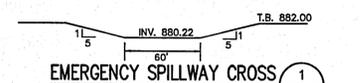
FOR CONTINUATION SEE SHEET C102

FOR CONTINUATION SEE SHEET C102

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  11. WATER MAIN VALVES SHALL NOT BE LOCATED UNDER PAVEMENT, SIDEWALK OR CURB.
  12. 100 YEAR FLOODPLAINS, FLOODWAY FRINGS AND FLOODWAYS: NONE

**BENCHMARK**

TBM #44  
USGS BENCHMARK  
CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT  
EAST SIDE HOOVER RD. ±100' SOUTH OF CLARIDGE FARM ENTRANCE.  
ELEVATION = 893.39



SECTION A-A  
NO SCALE C101

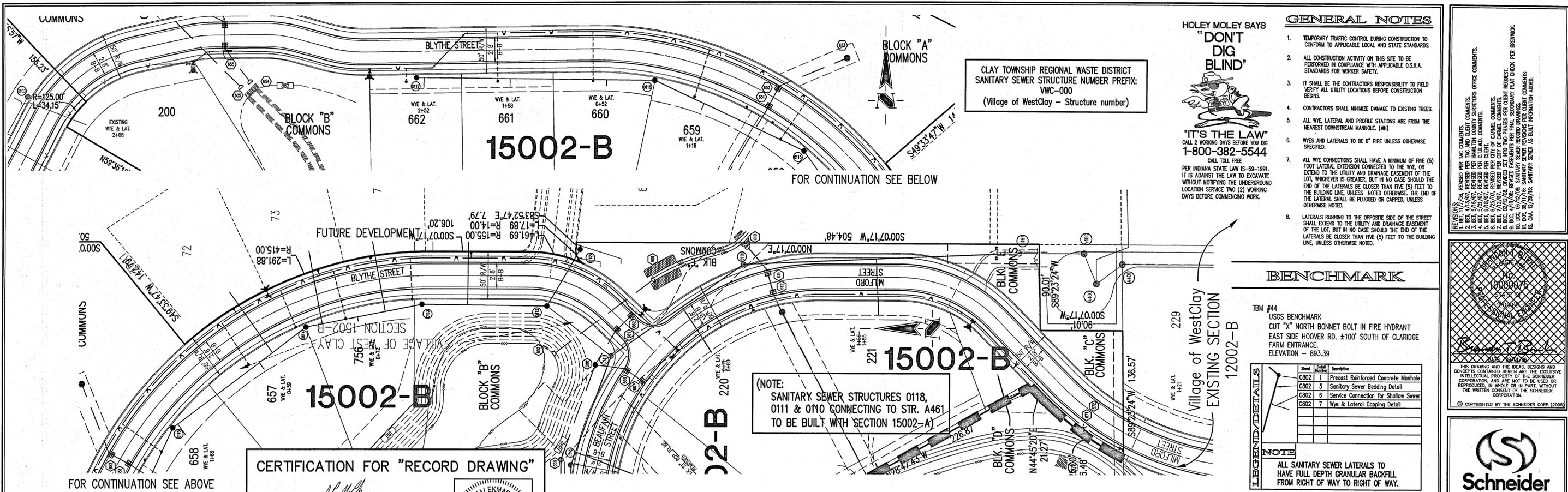
NOTE: STORM SEWER CASTINGS TO BE LABELED "DUMP NO WASTE - DRAINS TO WATERWAY"

NOTE: NO KNOWN EXISTING PUBLIC WATER SYSTEMS WITHIN 50' OF PROPOSED SANITARY SEWERS.

NO F.E.M.A. OR D.N.R. MAPPED 100 YEAR FLOODWAY OR FLOODPLAIN PER HAMILTON COUNTY, IN, MAP NUMBER 18057C0206F.

DATE: 09/01/06 PROJECT NO: 1238.1502  
DRAWN BY: DCC CHECKED BY: DKS  
SHEET TITLE: DEVELOPMENT PLAN  
DRAWING FILES:  
N:\1238\1502\DWG\C101-C102.DWG  
XREF: 100885.DWG, 120185.DWG  
XREF: 120226.DWG, 120228.DWG  
XREF: 12381501.DWG  
XREF: 150185.DWG  
XREF: C103.DWG, C104.DWG  
XREF: 1502-A-B5.DWG, 1502-B-B5.DWG

SHEET NO: C101



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WITHOUT NOTIFYING THE UNDERGROUND  
LOCATION SERVICE TWO (2) WORKING  
DAYS BEFORE COMMENCING WORK.

- GENERAL NOTES**
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
  - ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
  - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
  - CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.
  - ALL WYE, LATERAL AND PROFILE STATIONS ARE FROM THE NEAREST DOWNSTREAM MANHOLE (MH).
  - WYES AND LATERALS TO BE 6" PIPE UNLESS OTHERWISE SPECIFIED.
  - ALL WYE CONNECTIONS SHALL HAVE A MINIMUM OF FIVE (5) FOOT LATERAL EXTENSION CONNECTED TO THE WYE, OR EXTEND TO THE UTILITY AND DRAINAGE EASEMENT OF THE LOT, WHICHEVER IS GREATER, BUT IN NO CASE SHOULD THE END OF THE LATERALS BE CLOSER THAN FIVE (5) FEET TO THE BUILDING LINE, UNLESS NOTED OTHERWISE. THE END OF THE LATERAL SHALL BE PLUGGED OR CAPPED, UNLESS OTHERWISE NOTED.
  - LATERALS RUNNING TO THE OPPOSITE SIDE OF THE STREET SHALL EXTEND TO THE UTILITY AND DRAINAGE EASEMENT OF THE LOT, BUT IN NO CASE SHOULD THE END OF THE LATERALS BE CLOSER THAN FIVE (5) FEET TO THE BUILDING LINE, UNLESS OTHERWISE NOTED.

CLAY TOWNSHIP REGIONAL WASTE DISTRICT  
SANITARY SEWER STRUCTURE NUMBER PREFIX:  
VWC-000  
(Village of WestClay - Structure number)

**BENCHMARK**

TBM #44  
USGS BENCHMARK  
CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT  
EAST SIDE HOOVER RD. ±100' SOUTH OF CLARIDGE  
FARM ENTRANCE.  
ELEVATION - 893.39

**LEGEND/DETAILS**

Sheet	Detail	Description
C802	1	Precast Reinforced Concrete Manhole
C802	5	Sanitary Sewer Bedding Detail
C802	6	Service Connection for Shallow Sewer
C802	7	Wye & Lateral Capping Detail

**NOTE**  
ALL SANITARY SEWER LATERALS TO HAVE FULL DEPTH GRANULAR BACKFILL FROM RIGHT OF WAY TO RIGHT OF WAY.

**CERTIFICATION FOR "RECORD DRAWING"**

CERTIFIED BY: ALI MALEKMARZBAN, P.E.  
**THE SCHNEIDER CORPORATION**  
 HISTORIC FORT HARRISON  
 8901 OTIS AVENUE  
 INDIANAPOLIS, INDIANA 46216  
 (317) 826-7100 FAX (317) 826-7200

**NOTE:**  
Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.  
House lateral location, length and/or depth information furnished by contractor and is excluded from this certification.

DATE: 12/29/2016

**SANITARY SEWER PLAN**  
CERTIFICATION FOR SECTION 15002-A ONLY.

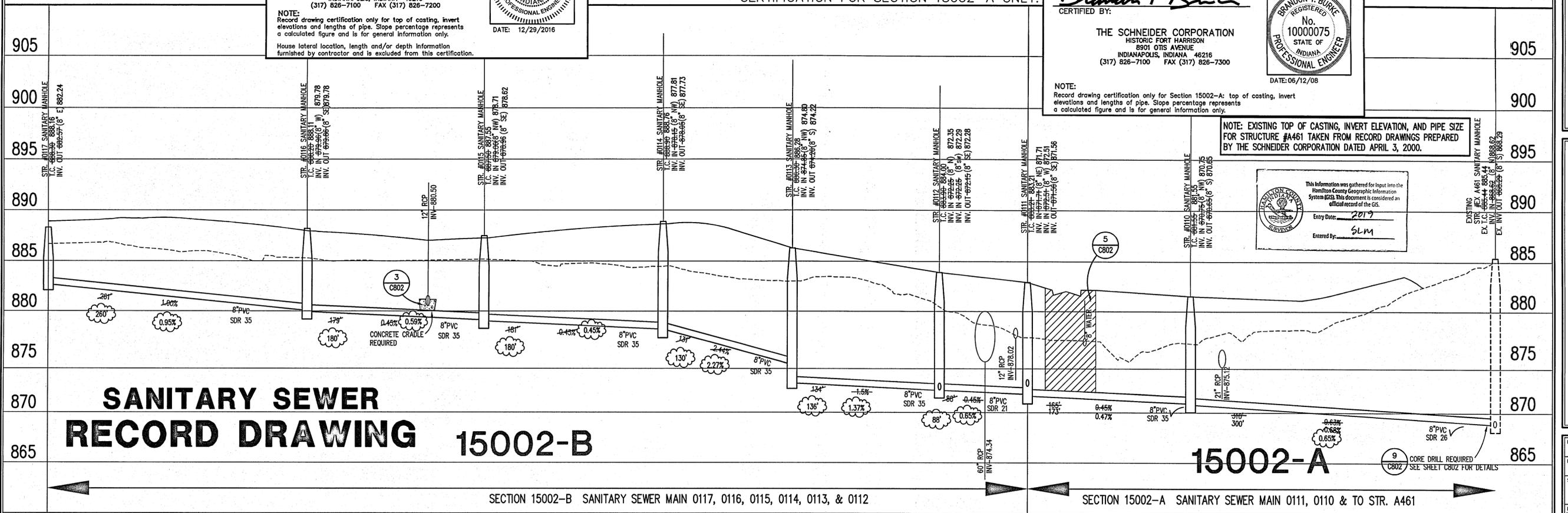
**CERTIFICATION FOR "RECORD DRAWING"**

CERTIFIED BY: *Brandon T. Burk*

**THE SCHNEIDER CORPORATION**  
 HISTORIC FORT HARRISON  
 8901 OTIS AVENUE  
 INDIANAPOLIS, INDIANA 46216  
 (317) 826-7100 FAX (317) 826-7300

DATE: 06/12/08

CERTIFICATION FOR SECTION 15002-B ONLY.



**SANITARY SEWER RECORD DRAWING 15002-B**

**15002-A**

SECTION 15002-B SANITARY SEWER MAIN 0117, 0116, 0115, 0114, 0113, & 0112

SECTION 15002-A SANITARY SEWER MAIN 0111, 0110 & TO STR. A461

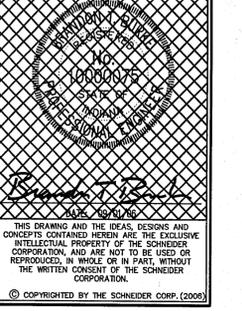
**SANITARY SEWER PROFILE**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

SCALE: HORIZ.: 1"=50'  
VERT.: 1"=5'

REVISIONS:  
 1. REVISED PER TAC AND CLIENT COMMENTS.  
 2. REVISED PER HAMILTON COUNTY SURVEYORS OFFICE COMMENTS.  
 3. REVISED PER CITY OF CARMEL COMMENTS.  
 4. REVISED PER CITY OF CARMEL COMMENTS.  
 5. REVISED PER CITY OF CARMEL COMMENTS.  
 6. REVISED PER CITY OF CARMEL COMMENTS.  
 7. REVISED PER CITY OF CARMEL COMMENTS.  
 8. REVISED PER CITY OF CARMEL COMMENTS.  
 9. REVISED PER CITY OF CARMEL COMMENTS.  
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 11. REVISED PER CITY OF CARMEL COMMENTS.  
 12. REVISED PER CITY OF CARMEL COMMENTS.



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 Home Builder Services  
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 Land Surveying  
 Landscape Architecture  
 Transportation Engineering

Village of WestClay  
**SECTIONS 15002-A & 15002-B**  
 CARMEL, INDIANA  
**BRENWICK DEVELOPMENT CO.**  
 CARMEL, INDIANA

DATE: 09/01/06 PROJECT NO.: 1238.1502  
 DRAWN BY: DCC CHECKED BY: DKS  
 SHEET TITLE: SANITARY SEWER PLAN & PROFILE  
 DRAWING FILES:  
 N:\1238\1502\DWG\C401-403.DWG  
 XREF: 100985.DWG, 120185.DWG  
 XREF: 120285.DWG, 150185.DWG  
 XREF: SANITARY.DWG  
 XREF: 1502-A-85.DWG, 1502-B-85.DWG

SHEET NO.: **C401**





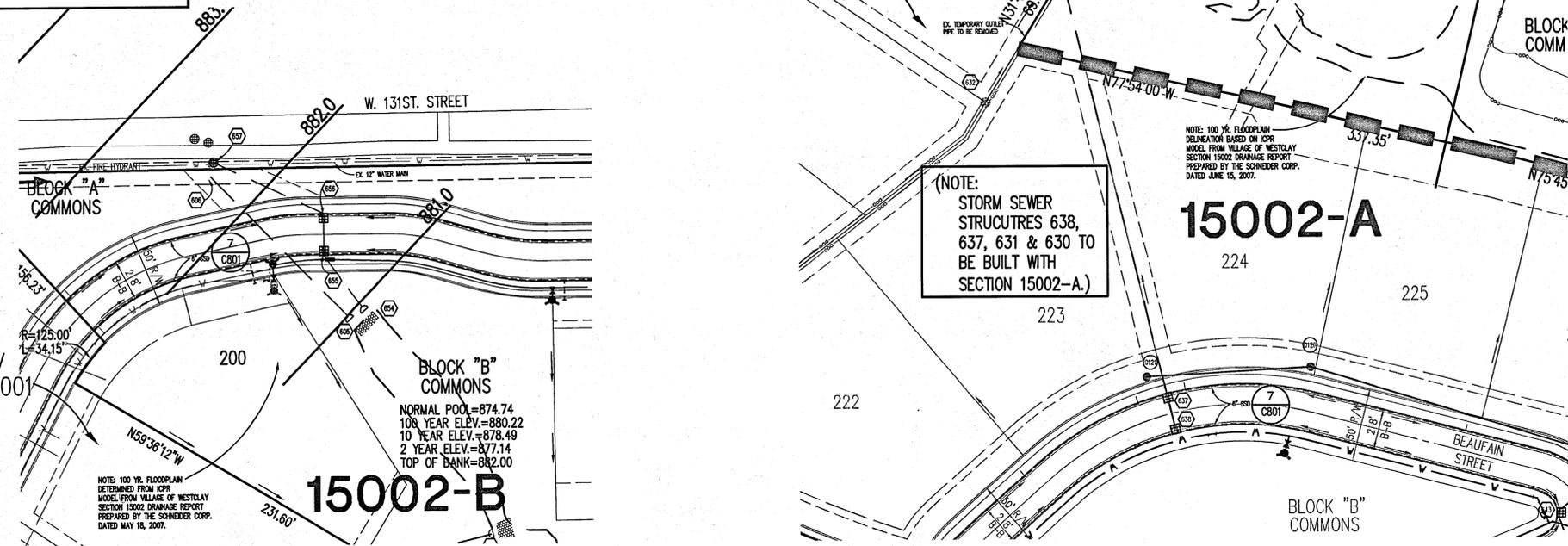
**CERTIFICATION FOR "RECORD DRAWING"**

CERTIFIED BY:  
**THE SCHNEIDER CORPORATION**  
 HISTORIC FORT HARRISON  
 8901 OTIS AVENUE  
 INDIANAPOLIS, INDIANA 46216  
 (317) 826-7100 FAX (317) 826-7200



NOTE:  
 Record drawing certification only for top of casing, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

DATE: 12/29/2016



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**GENERAL NOTES**

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- CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

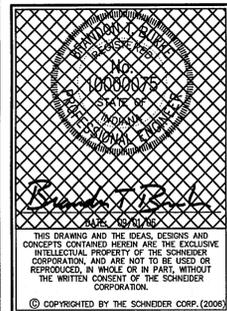
**LEGEND/DETAILS**

Sheet	Detail	Description
C803	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C803	3	Roll Curb Inlet Detail
C803	4	Beehive Inlet Detail
C803	2	Storm Manhole Detail
C803	5	Precast Concrete End Section
C803	6	Riprap Detail @ End Section

**BENCHMARK**

TBM #44  
 USGS BENCHMARK  
 CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT  
 EAST SIDE HOOVER RD. ±100' SOUTH OF CLARIDGE FARM ENTRANCE.  
 ELEVATION - 893.39

REVISIONS:  
 1. REVISED PER T&E COMMENTS.  
 2. REVISED PER T&E AND CLIENT COMMENTS.  
 3. REVISED PER T&E COMMENTS.  
 4. REVISED PER T&E COMMENTS.  
 5. REVISED PER T&E COMMENTS.  
 6. REVISED PER T&E COMMENTS.  
 7. REVISED PER T&E COMMENTS.  
 8. REVISED PER T&E COMMENTS.  
 9. REVISED PER T&E COMMENTS.  
 10. REVISED PER T&E COMMENTS.  
 11. REVISED PER T&E COMMENTS.  
 12. REVISED PER T&E COMMENTS.



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**STORM SEWER PLAN**

SCALE: 1"=50'

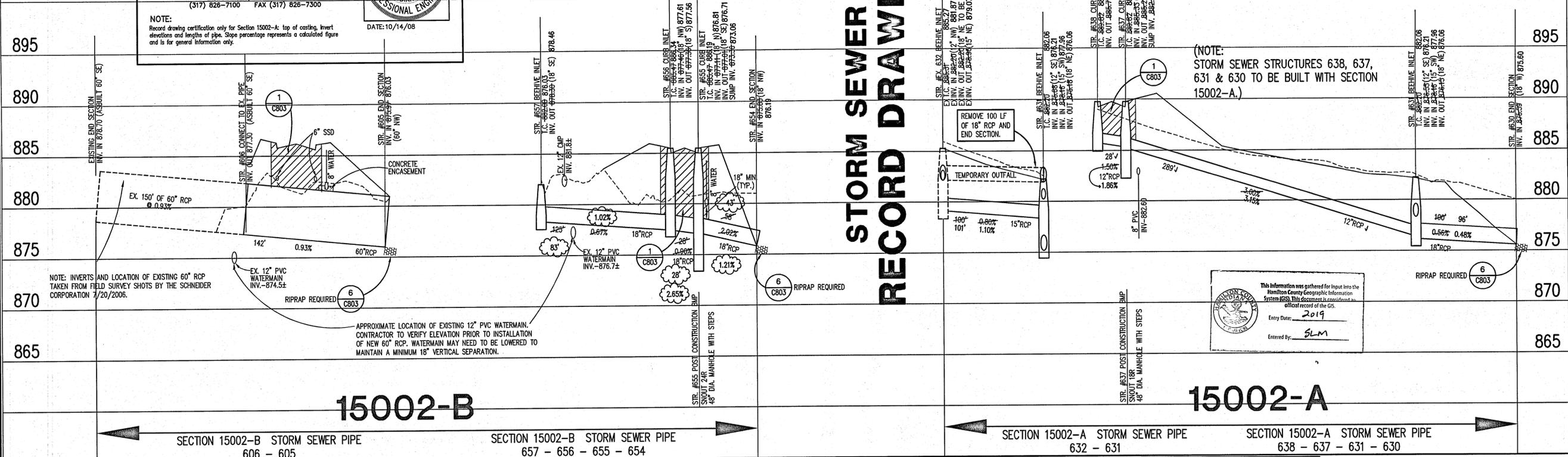
**CERTIFICATION FOR "RECORD DRAWING"**  
*Brandon T. Burke*  
 CERTIFIED BY:  
**THE SCHNEIDER CORPORATION**  
 HISTORIC FORT HARRISON  
 8901 OTIS AVENUE  
 INDIANAPOLIS, INDIANA 46216  
 (317) 826-7100 FAX (317) 826-7300

NOTE:  
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DATE: 10/14/08

PER CROSSROADS ENGINEERS REVIEW- FOR STRUCTURE No. 657 A PIPE CATCH BASIN MAY BE CONSTRUCTED INSTEAD OF A BEEHIVE INLET STRUCTURE GIVEN CONSTRUCTION TIMING OF 131ST STREET IMPROVEMENTS

NOTE: INVERTS AND T.C. ELEVATIONS SHOWN FOR EXISTING STRUCTURE 632 WERE TAKEN FROM RECORD DRAWINGS FOR THE Village of WestClay SECTION 15001 PREPARED BY THE SCHNEIDER CORPORATION DATED OCTOBER 19, 2006.



**STORM SEWER RECORD DRAWING**

NOTE: STORM SEWER STRUCTURES 638, 637, 631 & 630 TO BE BUILT WITH SECTION 15002-A.)

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: 2019  
 Entered by: SLM

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

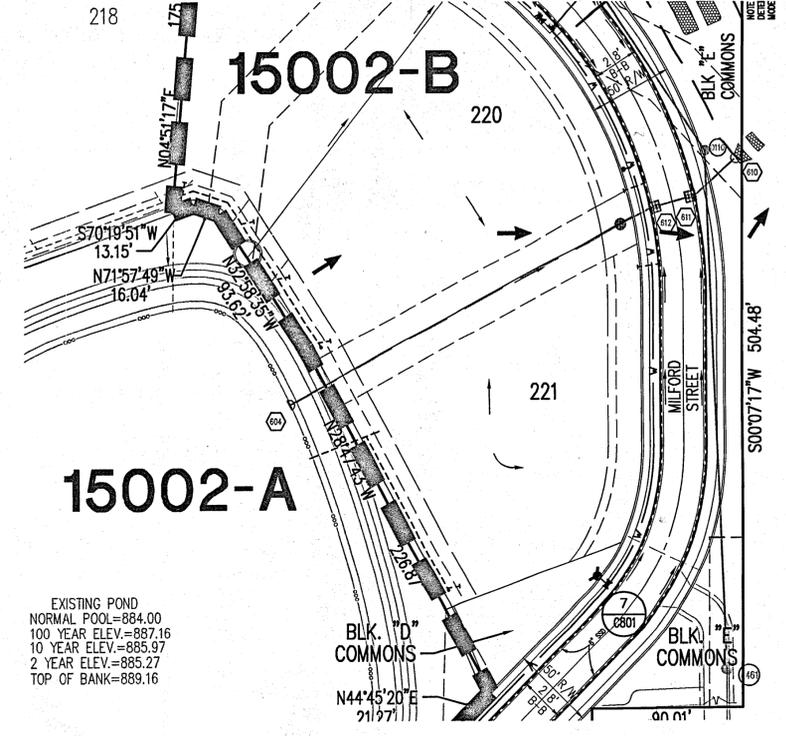
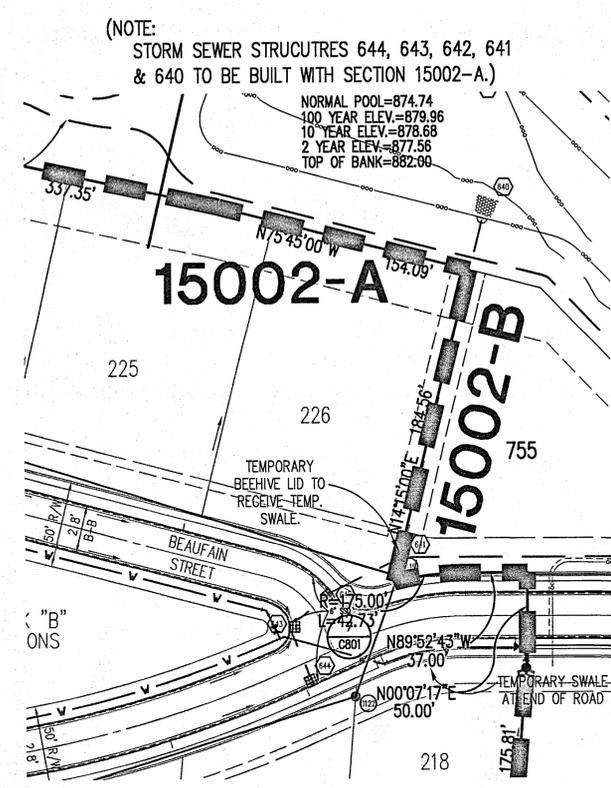
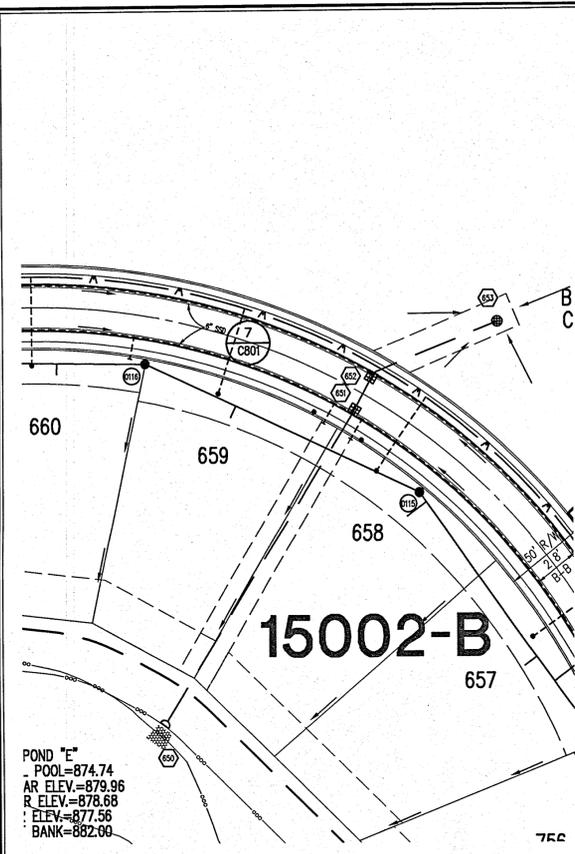
SCALE: **HORIZ.: 1"=50'**  
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Village of WestClay  
**SECTIONS 15002-A & 15002-B**  
 CARMEL, INDIANA  
 BRENNICK DEVELOPMENT CO.  
 CARMEL, INDIANA

DATE: 09/01/06 PROJECT NO.: 1238.1502  
 DRAWN BY: DCC CHECKED BY: DKS  
 SHEET TITLE: **STORM SEWER PLAN & PROFILE**  
 DRAWING FILES:  
 IN: V23815002.DWG\CS\601-603.DWG  
 XREF: 100985.DWG, 120185.DWG  
 XREF: 120285.DWG, 12381501topo.DWG  
 XREF: 150185.DWG  
 XREF: CA14.DWG, STORM.DWG  
 XREF: 1502-A-BS.DWG, 1502-B-BS.DWG  
 SHEET NO.: **C601**



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**LEGEND/DETAILS**

Sheet	Detail	Description
C803	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C803	3	Roll Curb Inlet Detail
C803	4	Beehive Inlet Detail
C803	2	Storm Manhole Detail
C803	5	Precast Concrete End Section
C803	6	RipRap Detail @ End Section

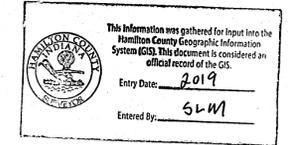
**NOTE**

REVISIONS:  
1. REVISED PER IAC AND CLIENT COMMENTS.  
2. SET 4/12/06 REVISED PER CLIENT REQUEST.  
3. SET 5/17/06 REVISED PER CLIENT REQUEST.  
4. SET 6/22/06 REVISED PER CITY OF CARMEL COMMENTS.  
5. SET 7/12/06 REVISED PER CITY OF CARMEL COMMENTS.  
6. SET 7/12/06 REVISED PER CITY OF CARMEL COMMENTS.  
7. DOC. 07/12/06 DIVIDED SET INTO TWO PHASES PER CLIENT REQUEST.  
8. DOC. 08/12/06 STORM SEWER RECORD DRAWINGS.  
9. DOC. 09/12/06 STORM SEWER RECORD DRAWINGS.  
10. DCA 12/29/06 STORM SEWER AS BUILT INFORMATION ADDED.



**BENCHMARK**

TBM #44  
USGS BENCHMARK  
CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT  
EAST SIDE HOOVER RD. ±100' SOUTH OF CLARIDGE  
FARM ENTRANCE.  
ELEVATION = 893.39



**STORM SEWER PLAN**

**CERTIFICATION FOR "RECORD DRAWING"**

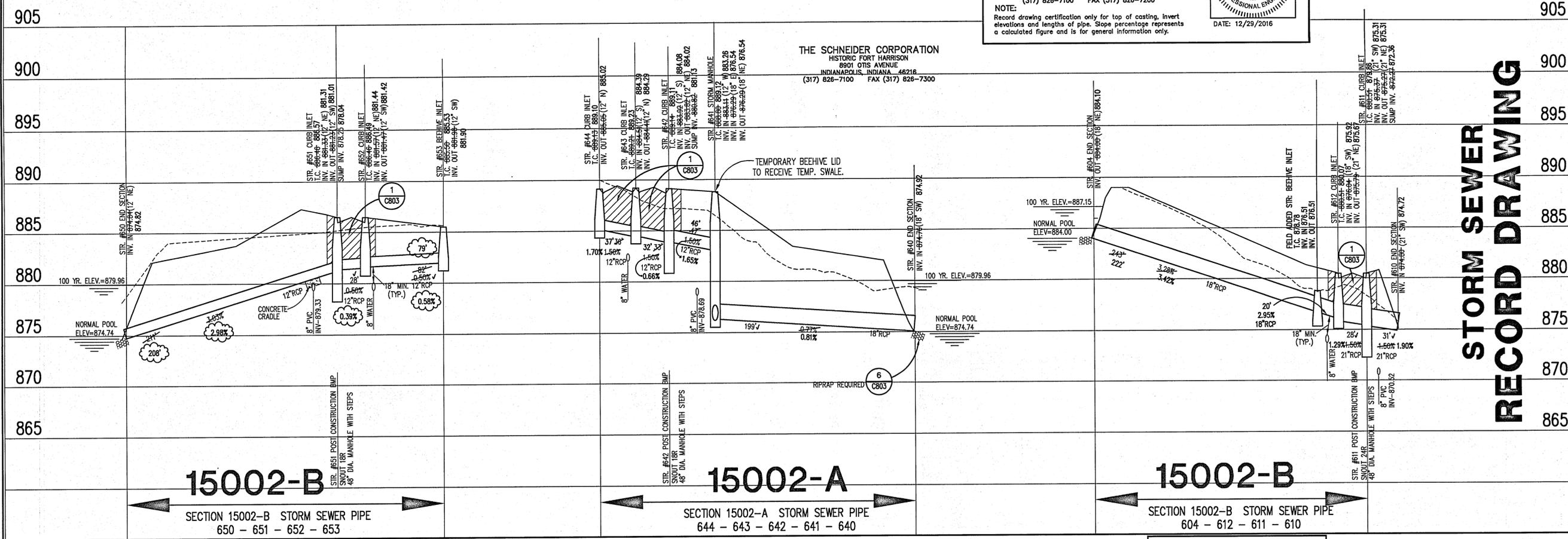
CERTIFIED BY: *Ali Malekmarzban*

**THE SCHNEIDER CORPORATION**  
HISTORIC FORT HARRISON  
8901 OTIS AVENUE  
INDIANAPOLIS, INDIANA 46216  
(317) 826-7100 FAX (317) 826-7200

NOTE:  
Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

DATE: 12/29/2016

SCALE: 1"=50'

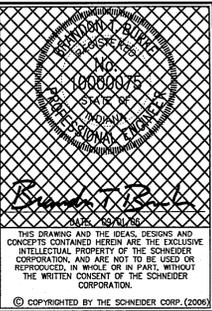


**STORM SEWER RECORD DRAWING**

**LEGEND**

Existing Grade	New Grade	Granular Backfill

SCALE: HORZ.: 1"=50'  
VERT.: 1"=5'



**Schneider**

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12821 E. New Market Street  
Suite 301  
Carmel, IN 46032  
Telephone: 317.569.8112  
Fax: 317.826.6410  
www.schneidercorp.com

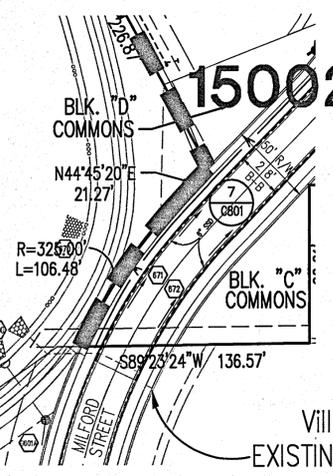
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Land Surveying  
Landscape Architecture  
Transportation Engineering

Village of WestClay  
SECTIONS 15002-A & 15002-B  
CARMEL, INDIANA  
BRENNICK DEVELOPMENT CO.  
CARMEL, INDIANA

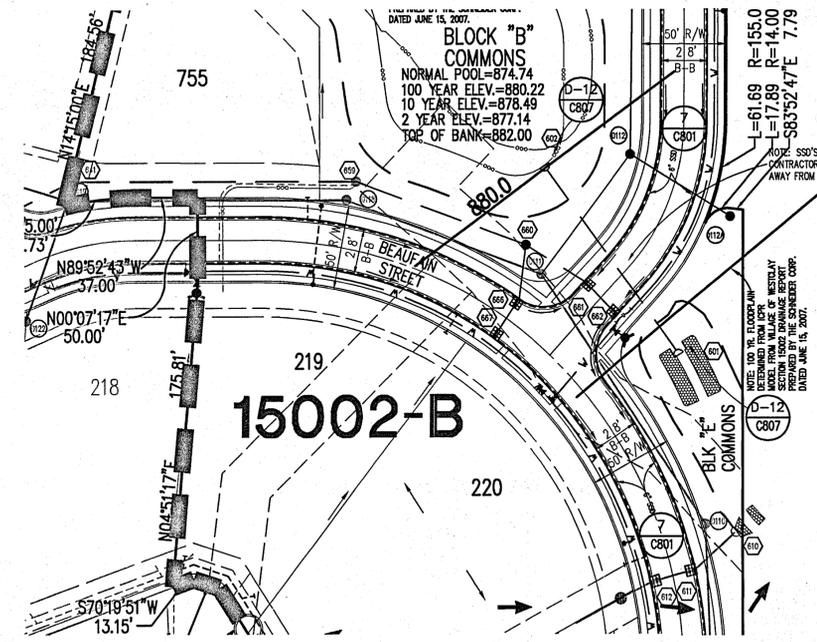
DATE: 09/01/06	PROJECT NO: 1238.1502
DRAWN BY: DCC	CHECKED BY: DKS
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: N:\1238\1502\DWG\C801-603.DWG XREF: 1009BS.DWG, 1201BS.DWG XREF: 1202BS.DWG, 12381501top.dwg XREF: 1500BS.DWG XREF: CA14.DWG, STORM.DWG XREF: 1502-A-BS.DWG, 1502-B-BS.DWG	
SHEET NO: C602	

EXISTING POND  
 NORMAL POOL=884.00  
 100 YEAR ELEV.=887.16  
 10 YEAR ELEV.=885.97  
 2 YEAR ELEV.=885.27  
 TOP OF BANK=889.16

15002-A



Village of WestClay  
 EXISTING SECTION 12002-B



NOTE: SSS'S BLOCKED BY THE 60" RCP.  
 CONTRACTOR TO ENSURE POSITIVE DRAINAGE OF SSS'S  
 AWAY FROM 60" RCP TOWARD NEAREST CURB INLET.

NOTE: 100 YR. FLOODPLAIN  
 DETERMINED FROM LPR  
 SECTION 15002-B  
 PREPARED BY THE SCHNEIDER CORP.  
 DATED JUNE 14, 2007.

HOLEY MOLEY SAYS  
 "DON'T DIG BLIND"  
 "IT'S THE LAW"  
 CALL 2 WORKING DAYS BEFORE YOU DIG  
 1-800-382-5544  
 CALL TOLL FREE  
 PER INDIANA STATE LAW 15-69-1991,  
 IT IS AGAINST THE LAW TO EXCAVATE  
 WITHOUT NOTIFYING THE UNDERGROUND  
 LOCATION SERVICE TWO (2) WORKING  
 DAYS BEFORE COMMENCING WORK.

**GENERAL NOTES**

- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
- ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
- CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

**LEGEND/DETAILS**

Sheet	Detail	Description
C803	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C803	3	Roll Curb Inlet Detail
C803	4	Beehive Inlet Detail
C803	2	Storm Manhole Detail
C803	5	Precast Concrete End Section
C803	6	RipRap Detail @ End Section

**NOTE**

**BENCHMARK**

TBM #44  
 USGS BENCHMARK  
 CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT  
 EAST SIDE HOOVER RD. ±100' SOUTH OF CLARIDGE  
 FARM ENTRANCE.  
 ELEVATION - 893.39

**CERTIFICATION FOR "RECORD DRAWING"**

CERTIFIED BY: *A. M. M.*  
**THE SCHNEIDER CORPORATION**  
 HISTORIC FORT HARRISON  
 8901 OTIS AVENUE  
 INDIANAPOLIS, INDIANA 46216  
 (317) 826-7100 FAX (317) 826-7200

NOTE:  
 Record drawing certification only for top of coating, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

DATE: 12/29/2016

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: 2019  
 Entered By: SLM

REVISIONS  
 1. REV. 09/12/08: STORM SEWER RECORD DRAWINGS  
 2. DEC. 06/12/08: STORM SEWER RECORD DRAWINGS  
 3. DEC. 06/12/08: STORM SEWER RECORD DRAWINGS  
 4. DEC. 06/12/08: STORM SEWER RECORD DRAWINGS  
 5. DEC. 06/12/08: STORM SEWER RECORD DRAWINGS  
 6. DEC. 06/12/08: STORM SEWER RECORD DRAWINGS  
 7. DEC. 06/12/08: STORM SEWER RECORD DRAWINGS  
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 9. DEC. 06/12/08: STORM SEWER RECORD DRAWINGS  
 10. DEC. 06/12/08: STORM SEWER RECORD DRAWINGS  
 11. DEC. 06/12/08: STORM SEWER RECORD DRAWINGS

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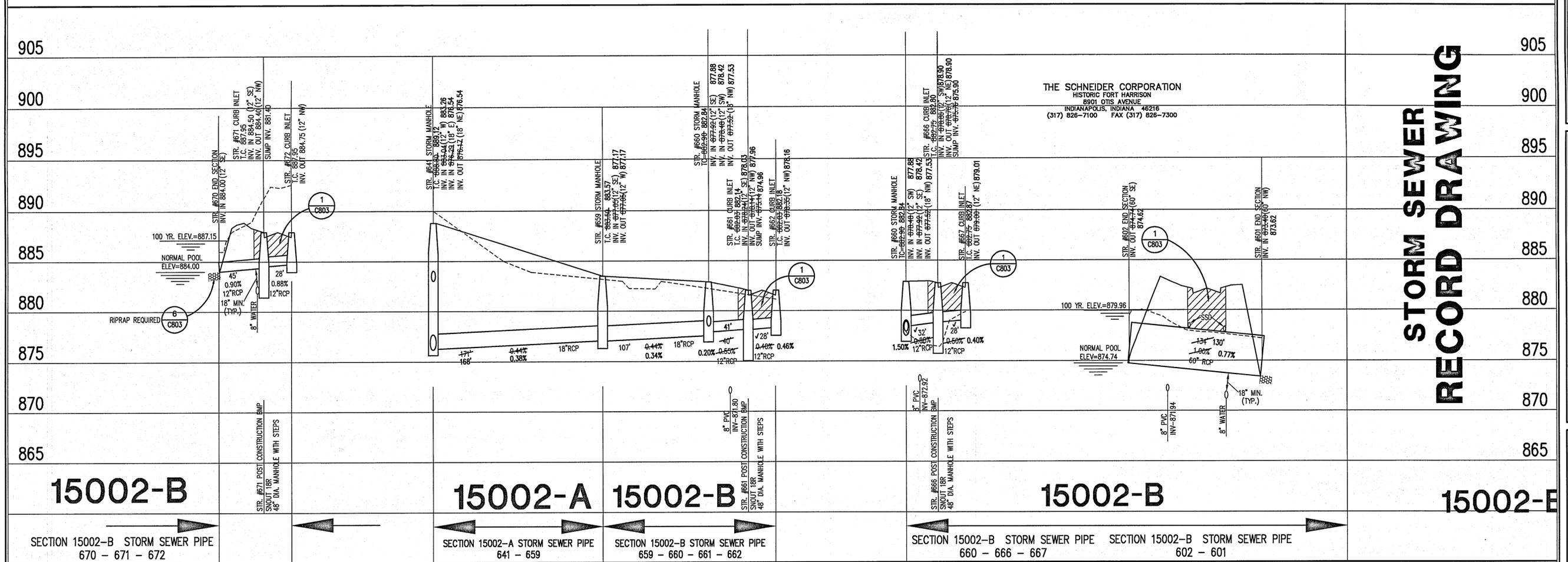
**Schneider**

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 GIS \* LIS  
 Home Builder Services  
 Interior Design  
 Land Surveying  
 Landscape Architecture  
 Transportation Engineering

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER RECORD DRAWING

Village of WestClay  
 SECTIONS 15002-A & 15002-B  
 CARMEL, INDIANA  
 BRENNWICK DEVELOPMENT CO.  
 CARMEL, INDIANA

DATE: 09/01/06 PROJECT NO.: 1238.1502  
 DRAWN BY: DCC CHECKED BY: DKS  
 SHEET TITLE: STORM SEWER PLAN & PROFILE  
 DRAWING FILES:  
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 XREF: 10085.DWG, 12015.DWG  
 XREF: 12028.DWG, 12381501top.DWG  
 XREF: 15015.DWG  
 XREF: 1414.DWG, STORM.DWG  
 XREF: 1502-A-B.DWG, 1502-B-B.DWG

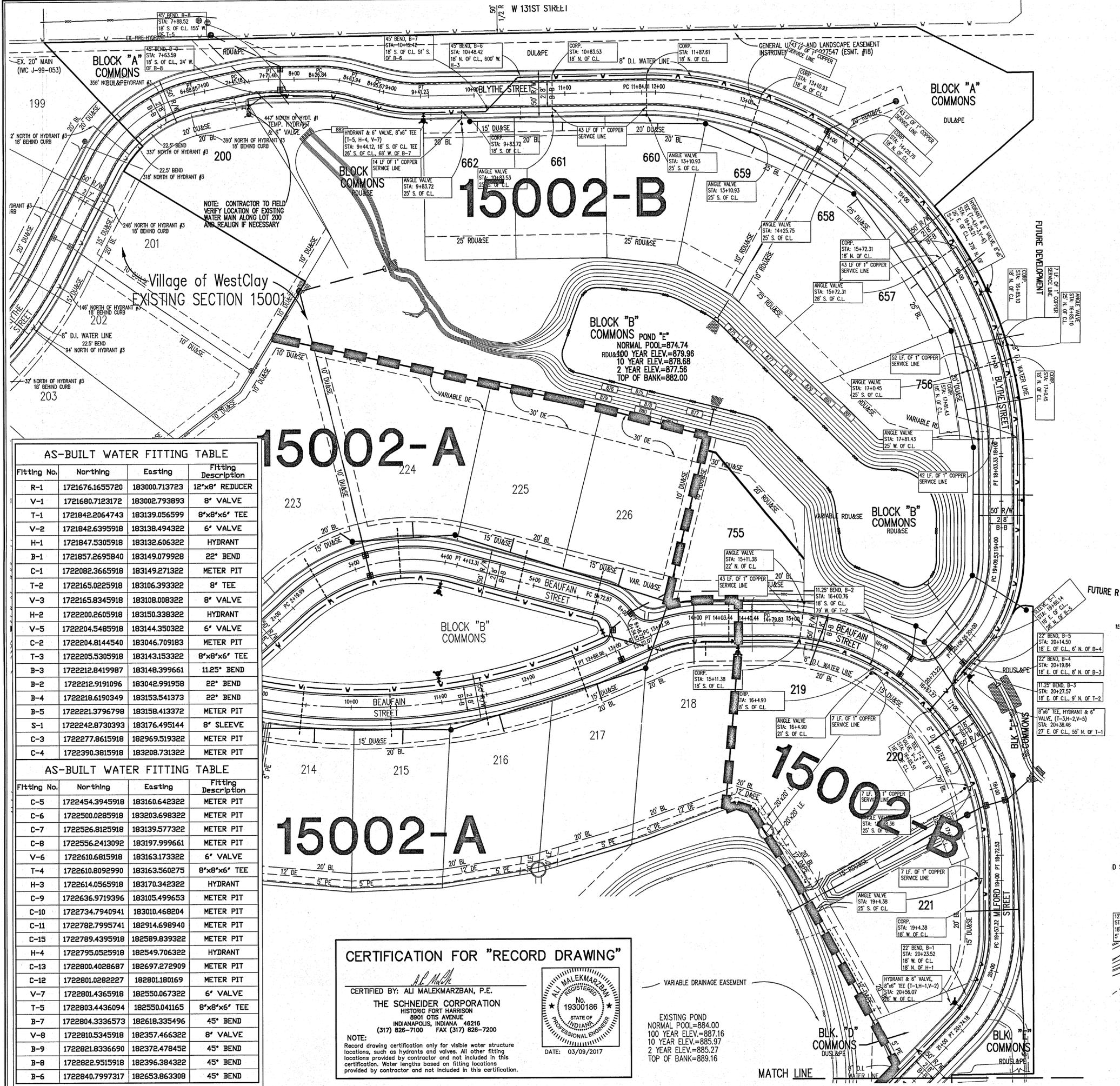
STORM SEWER PROFILE

**LEGEND**

Existing Grade  
 New Grade  
 Granular Backfill

SCALE: HORZ.: 1"=50'  
 VERT.: 1"=5'

C603

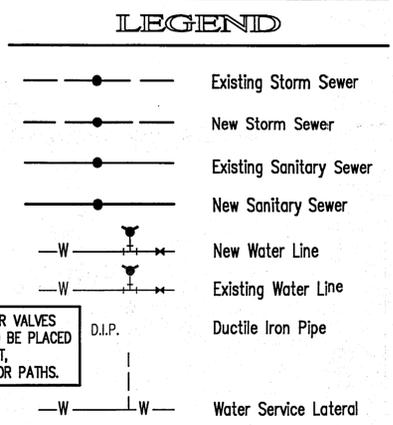
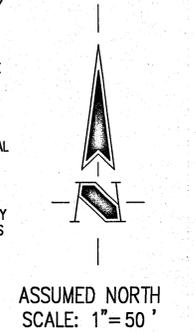


**GENERAL NOTES**

- SERVICE LATERALS ARE TO BE 1" DIRECT TAPS.
- FOR ALL WATER DISTRIBUTION NOTES, LEGEND AND DETAILS SEE SHEET C702.
- ALL MECHANICAL JOINT FITTINGS WILL BE MEGALUG RESTRAINING JOINT FITTINGS.
- THERE SHALL BE NO MANHOLES OR WATER VALVES WITHIN THE PAVEMENT, CURBS, OR SIDEWALKS.
- WARNING TAPE SHALL BE INSTALLED 12" TO 18" ABOVE WATER MAIN.
- BEDDING, HAUNCHING AND INITIAL BACKFILL MATERIALS, PLACEMENT AND COMPACTION FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS UNDER AND WITHIN 5'-FEET OF PAVEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION. FINAL BACKFILL FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS UNDER AND WITHIN 5'-FEET OF PAVEMENT SHALL BE 8"-BORROW FOR STRUCTURE BACKFILL MEETING THE MATERIAL REQUIREMENT OF THE INDOT AND SHALL BE COMPACTED IN 6"-INCH MAXIMUM LIFTS TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE MATERIAL PLACED. THE BACKFILL FOR THE TOP 6"-INCHES OF THE EXCAVATION BELOW THE START OF THE AGGREGATE SUBBASE OF THE PAVEMENT SHALL BE NO. 53 STONE MEETING THE MATERIAL REQUIREMENTS OF THE INDOT AND SHALL BE COMPACTED TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT FINAL BACKFILL REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- FOR INSTALLATION OF STORM MAINS, WATER MAINS, SANITARY MAINS, WATER SERVICE LATERALS, SANITARY SERVICE LATERALS UNDER CITY STREETS, REGARDLESS OF THE JURISDICTION OF THE UTILITY, THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT TO THE TOP OF THE INSTALLED PIPE SHALL BE THE PAVEMENT SECTION THICKNESS (ALL BITUMINOUS AND AGGREGATE MATERIAL ABOVE THE SUBGRADE) PLUS 1'-0". IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT COVER REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

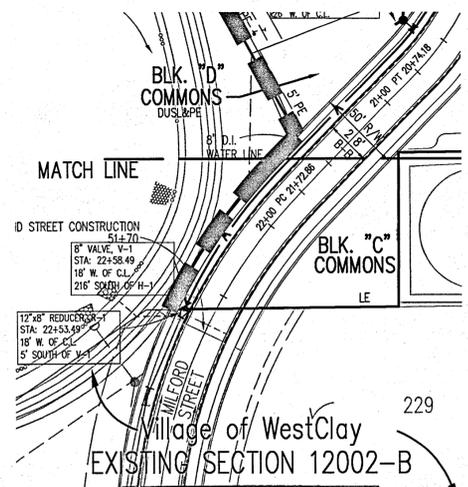
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**1-800-382-5544**  
CALL TOLL FREE  
PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



NOTE: WATER VALVES ARE NOT TO BE PLACED IN PAVEMENT, SIDEWALKS OR PATHS.

NOTE: BLUE REFLECTOR FIRE HYDRANT MARKERS TO BE INSTALLED IN STREET PAVEMENT PERPENDICULAR TO FIRE HYDRANT.



**AS-BUILT WATER FITTING TABLE**

Fitting No.	Northing	Eastng	Fitting Description
R-1	1721676.1655720	183000.713723	12"x8" REDUCER
V-1	1721680.7123172	183002.793893	8" VALVE
T-1	1721842.2064743	183139.056599	8"x8"x6" TEE
V-2	1721842.6395918	183138.494322	6" VALVE
H-1	1721847.5305918	183132.606322	HYDRANT
B-1	1721857.2695840	183149.079928	22" BEND
C-1	1722082.3665918	183149.271322	METER PIT
T-2	1722165.0225918	183106.393322	8" TEE
V-3	1722165.8345918	183108.008322	8" VALVE
H-2	1722200.2605918	183150.338322	HYDRANT
V-5	1722204.5485918	183144.350322	6" VALVE
C-2	1722204.8144540	183046.709183	METER PIT
T-3	1722205.5305918	183143.153322	8"x8"x6" TEE
B-3	1722212.8419987	183148.399661	11.25" BEND
B-2	1722212.9191096	183042.991958	22" BEND
B-4	1722218.6190349	183153.541373	22" BEND
B-5	1722221.3796798	183158.413372	METER PIT
S-1	1722242.8730393	183176.495144	8" SLEEVE
C-3	1722277.8615918	182969.519322	METER PIT
C-4	1722390.3815918	183208.731322	METER PIT

**AS-BUILT WATER FITTING TABLE**

Fitting No.	Northing	Eastng	Fitting Description
C-5	1722454.3945918	183160.642322	METER PIT
C-6	1722500.0285918	183203.698322	METER PIT
C-7	1722526.8125918	183139.577322	METER PIT
C-8	1722556.2413092	183197.999661	METER PIT
V-6	1722610.6815918	183163.173322	6" VALVE
T-4	1722610.8092990	183163.560275	8"x8"x6" TEE
H-3	1722614.0565918	183170.342322	HYDRANT
C-9	1722636.9719396	183105.499653	METER PIT
C-10	1722734.7940941	183010.468204	METER PIT
C-11	1722782.7995741	182914.698940	METER PIT
C-15	1722789.4395918	182589.839322	METER PIT
H-4	1722795.0525918	182549.706322	HYDRANT
C-13	1722800.4028687	182697.272909	METER PIT
C-12	1722801.0282227	182801.180169	METER PIT
V-7	1722801.4365918	182550.067322	6" VALVE
T-5	1722803.4436094	182550.041165	8"x8"x6" TEE
B-7	1722804.3336573	182618.335496	45" BEND
V-8	1722810.5345918	182357.466322	8" VALVE
B-9	1722821.8336690	182372.478452	45" BEND
B-8	1722822.9515918	182396.384322	45" BEND
B-6	1722840.7997317	182653.863308	45" BEND

**CERTIFICATION FOR "RECORD DRAWING"**

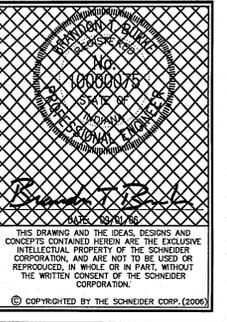
CERTIFIED BY: *Ali Malekmarzban, P.E.*  
**THE SCHNEIDER CORPORATION**  
 HISTORIC FORT HARRISON  
 8801 OTIS AVENUE  
 INDIANAPOLIS, INDIANA 46216  
 (317) 826-7100 FAX (317) 826-7200

NOTE:  
 Record drawing certification only for visible water structure locations, such as hydrants and valves. All other fitting locations provided by contractor and not included in this certification. Water lengths based on fitting locations provided by contractor and not included in this certification.

DATE: 03/09/2017

EXISTING POND  
 NORMAL POOL=884.00  
 100 YEAR ELEV.=887.16  
 2 YEAR ELEV.=885.97  
 TOP OF BANK=889.16

REVISIONS:  
 1. REVISED PER IFC COMMENTS  
 2. REVISED PER IFC AND CLIENT COMMENTS  
 3. REVISED PER HAMILTON COUNTY SURVEYORS OFFICE COMMENTS  
 4. REVISED PER CITY OF CARMEL COMMENTS  
 5. REVISED PER CITY OF CARMEL COMMENTS  
 6. REVISED PER CITY OF CARMEL COMMENTS  
 7. REVISED PER CITY OF CARMEL COMMENTS  
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 Transportation Engineering

Village of WestClay  
**SECTIONS 15002-A & 15002-B**  
 CARMEL, INDIANA  
**BRENNICK DEVELOPMENT CO.**  
 CARMEL, INDIANA

DATE: 09/01/06 PROJECT NO.: 1238.1502  
 DRAWN BY: DCC CHECKED BY: DKS  
 SHEET TITLE: WATER DISTRIBUTION PLAN  
 DRAWING FILES:  
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 XREF: 1008S.DWG, 1208S.DWG  
 XREF: 1202A.DWG, 1202B-WSS.DWG  
 XREF: 1202B.DWG, 1508S.DWG  
 XREF: 1502-A-B.DWG, 1502-B-B.DWG  
 SHEET NO.: **C701**