



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

June 7, 2006

To: Hamilton County Drainage Board

Re: Village of West Clay Drain, Section 15001 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 15001 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	498 ft	18" RCP	551 ft.
15" RCP	176 ft		

The total length of the drain will be 1225 feet.

The retention ponds (Mill Pond and Hourglass Lake) which are located in Commons Block "D" of Section 10009 and on Parcel 17-09-28-00-00-027.003, owned by Brenwick TND Communities, 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 pond (lake) 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 \$2,181.22.

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 Co.
Date: May 31, 2006
Number: 5020794
For: Storm Sewers
Amount: \$83,571.60

Agent: Bond Safeguard Insurance Company
Date: May 31, 2006
Number: 5020795
For: Erosion Control
Amount: \$24,000.00

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.

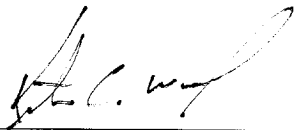
I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

With this section, from Str. A705 to Str. A702 of the Village of West Clay Drain – Section 10009 Arm, as shown in the construction plans by The Schneider Corporation, dated November 16, 1998 and job number 1238.1009, will be vacated and replaced with the storm sewers from this section. This includes the following structure and those sections of pipe between those structures A705, A704, A703 and A702. This will reduce the length of the drain in Section 10009 by the following:

12" RCP 317 ft. 18" RCP 262 ft.

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 15001 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 27, 2006.



Kenton C. Ward
Hamilton County Surveyor

KCW/llm

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
15001 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 _____

KEVIN KRULIK, AGENT TO OWNER
Printed Name _____

3/29/06
Date _____

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date


FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE
Village of West Clay Drain, Section 15001 Arm

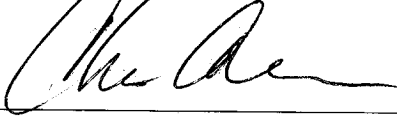
On this **27th day of November, 2006**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Village of West Clay Drain, Section 15001 Arm**.

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: 

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR
RE: Village of West Clay Section 15001

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: 2/16/07

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) 569-8112

INDIANA REGISTRATION NUMBER

PE 10000075

SEAL





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

To: Hamilton County Drainage Board

June 19, 2009

Re: Village of West Clay: Section 15001

Attached are as-builts, certificate of completion & compliance, and other information for Village of West Clay Section 15001. 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 June 7, 2006. The report was approved by the Board at the hearing held November 27, 2006. (See Drainage Board Minutes Book 9, Pages 565-567) The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes (ft):
619-618	205	12	RCP	884.99	884.75	0.12	-2
618-617	72	18	RCP	884.73	884.62	0.18	
617-616	28	18	RCP	884.62	884.57	0.18	
616-615	263	18	RCP	884.57	884.03	0.21	-7
628-627	28	12	RCP	884.63	884.49	0.5	
627-626	175	15	RCP	884.49	884.22	0.15	-1
626-625	76	18	RCP	884.22	884	0.22	-5
634-633	28	12	RCP	884.22	884.02	0.71	
633-632	236	12	RCP	883.82	882.2	0.69	1
632-631	99	18	RCP	878.96	881.91	0.29	-1

The length of the drain due to the changes described above is now **1210 feet**.

The non-enforcement was approved by the Board at its meeting on November 27, 2006 and recorded under instrument # 200600071268.


The following sureties were guaranteed by Bond Safeguard Insurance Co. and released by the Board on its September 8, 2008 meeting.

Bond-LC No: 5020794
Insured For: Storm Sewers
Amount: \$83,571.60
Issue Date: May 31, 2006

Bond-LC No: 5020795
Insured For: Erosion Control
Amount: \$24,000.00
Issue Date: May 31, 2006

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

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

SEC. 28-T18N-R3E

VILLAGE OF WESTCLAY SECTION 15001

(CONSTRUCTION PLANS)

HAMILTON COUNTY CARMEL, INDIANA

**SUB-SURFACE DRAINAGE
 SANITARY SEWER
 STORM SEWER
 WATER LINE
 RECORD DRAWING**

DEVELOPER:

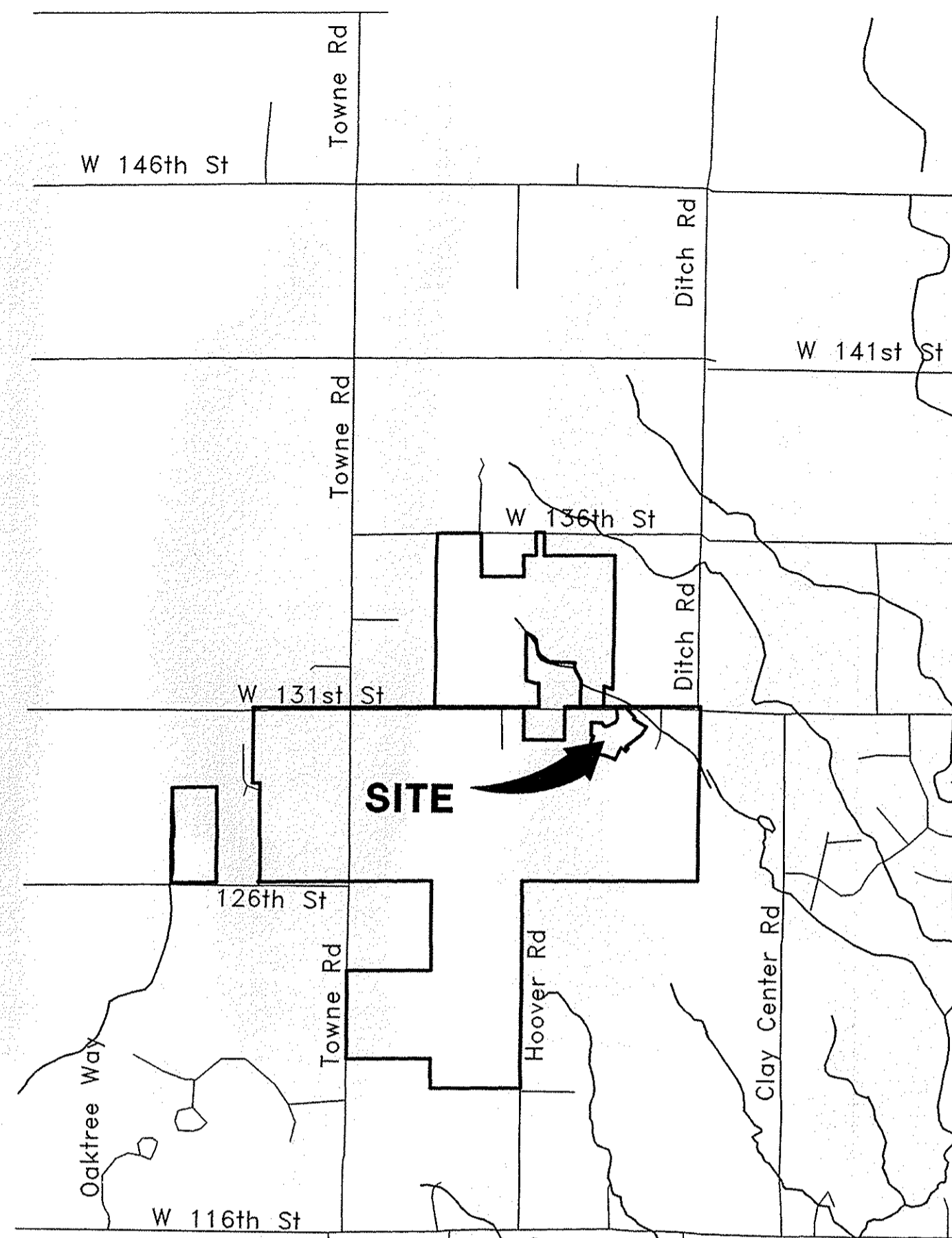
BRENWICK DEVELOPMENT CO.

12821 E. NEW MARKET STREET, SUITE 200

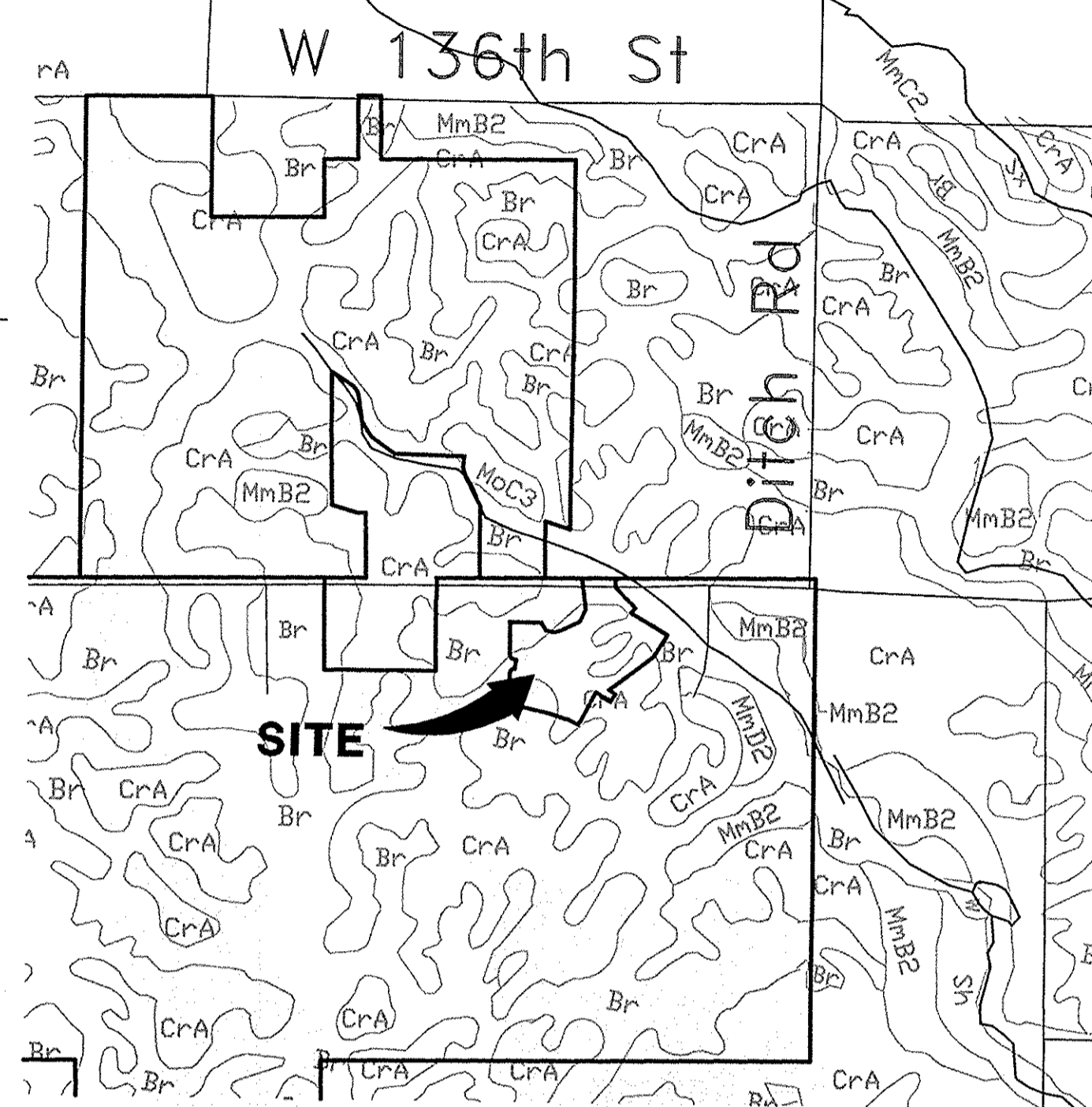
CARMEL, INDIANA 46032

(317) 574-3400

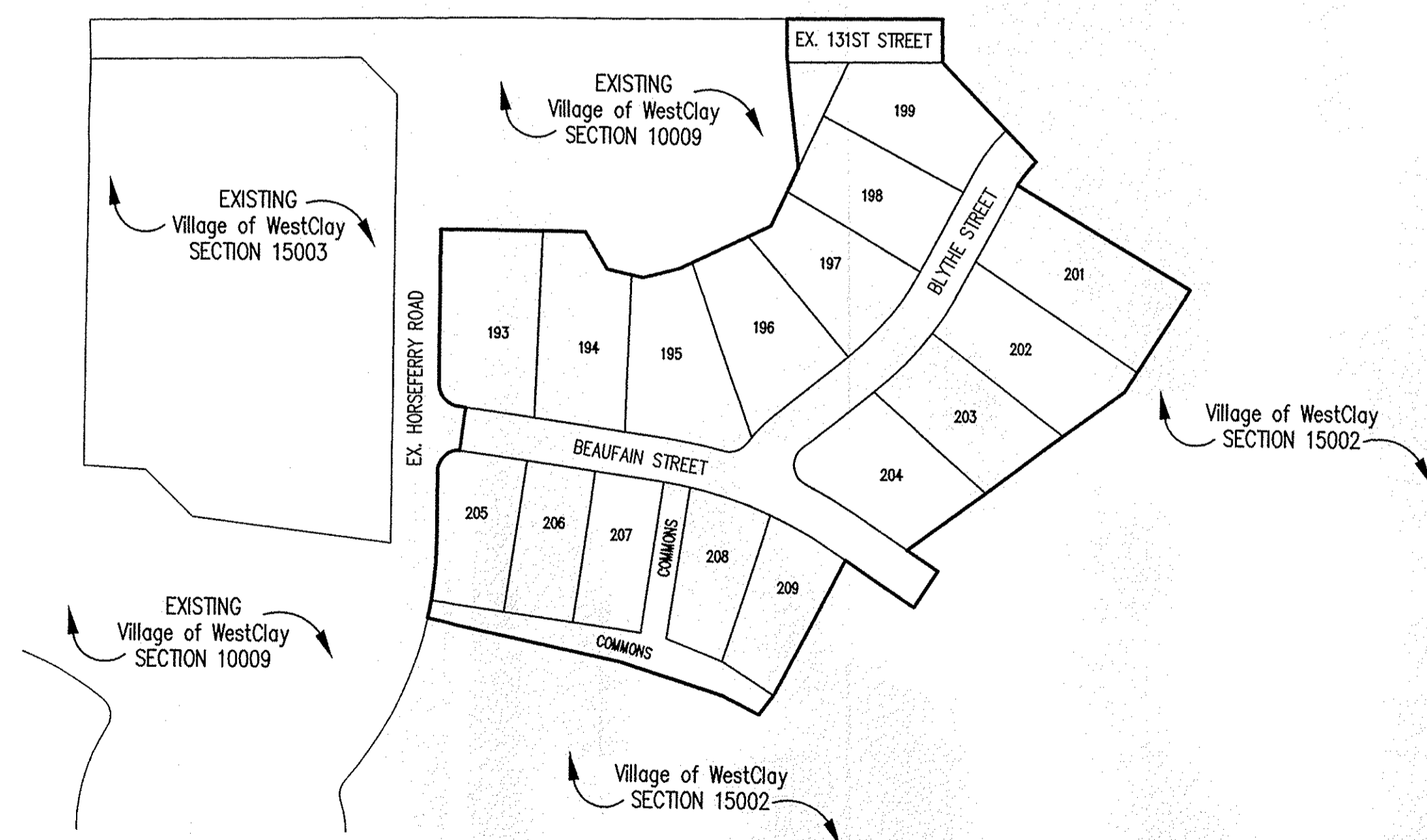
(317) 574-3919 FAX



AREA MAP
NOT TO SCALE



SOILS MAP
NOT TO SCALE



SITE MAP
SCALE: 1" = 150'

**ROADWAY DESIGN
SPEED = 20MPH**

SHEET No.	INDEX DESCRIPTION
C100	COVER SHEET
C101	DEVELOPMENT PLAN
C102	PRE-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
C103	STORMWATER POLLUTION PREVENTION PLAN
C104	TRAFFIC CONTROL PLAN
C201-C202	STREET PLAN & PROFILES
C301	INTERSECTION DETAILS
C401	SANITARY SEWER PLAN & PROFILE
C601-C602	STORM SEWER PLAN & PROFILE
C701	WATER DISTRIBUTION PLAN
C702	WATER DETAILS AND SPECIFICATIONS
C801	STREET DETAILS
C802	SANITARY SEWER DETAILS
C803	STORM SEWER DETAILS
C804-C805	STORMWATER POLLUTION PREVENTION DETAILS & SPECIFICATIONS
C806	HAMILTON COUNTY DETAILS
C901	SPECIFICATIONS

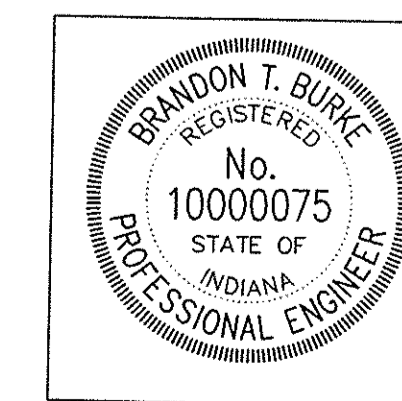
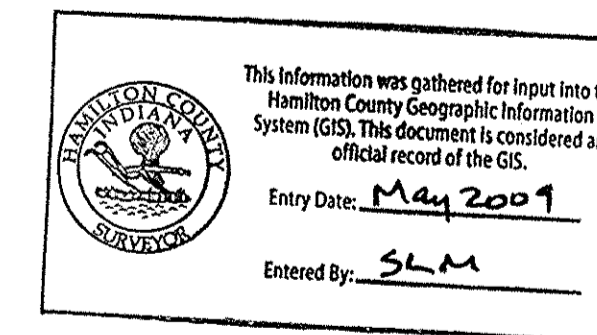


12821 E. New Market Street
 Suite 301
 Carmel, IN 46032
 Telephone: 317.569.8112
 Fax: 317.826.6410
 www.schneidercorp.com

Architecture
 Civil Engineering
 Environmental Engineering
 Geotechnical Services
 GIS * LIS
 Home Builder Services
 Interior Design
 Land Surveying
 Landscape Architecture
 Transportation Engineering

Brandon T. Burke

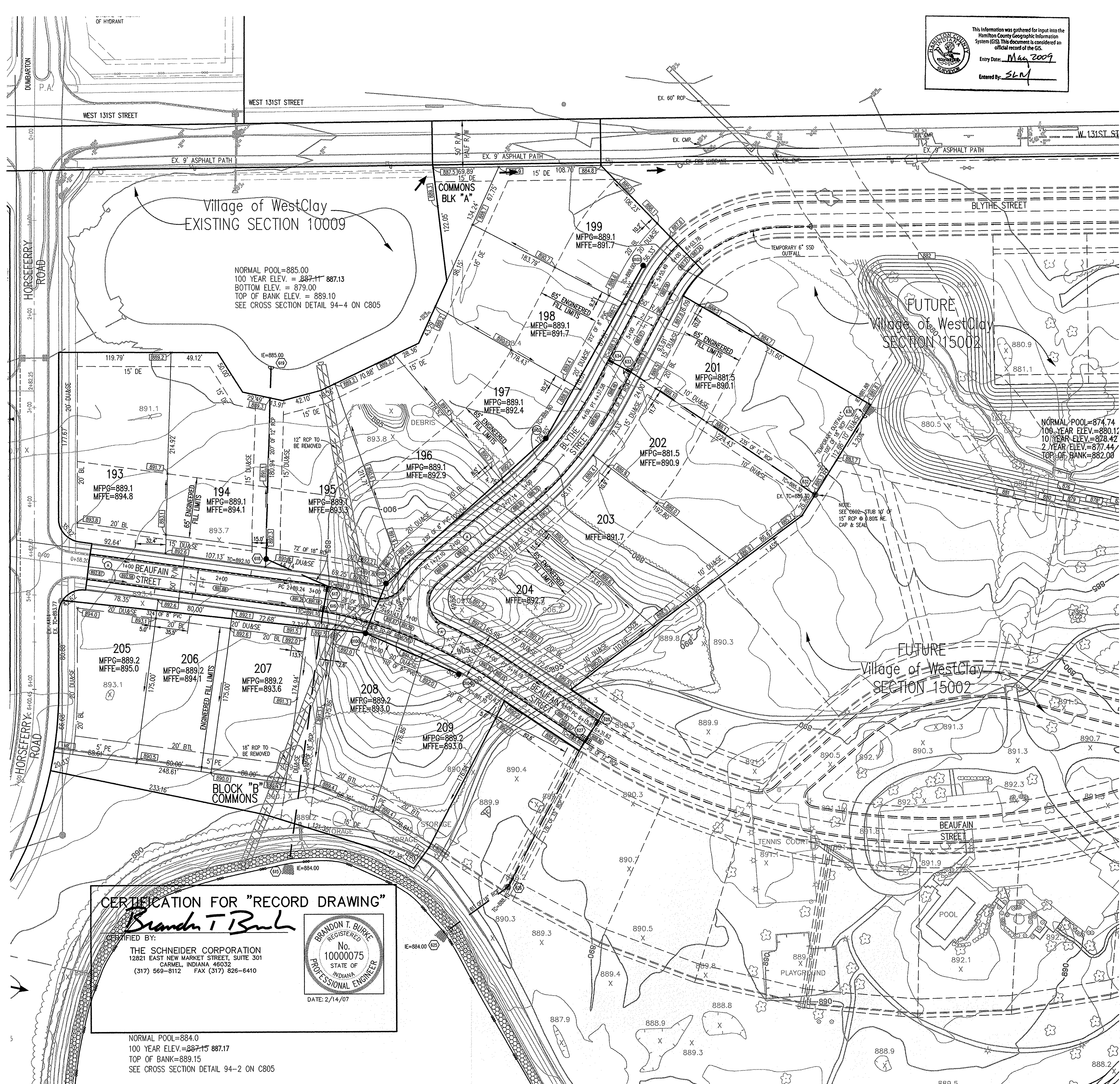
CERTIFIED BY: BRANDON T. BURKE
 E-MAIL ADDRESS: bburke@schneidercorp.com



DATE: 12/30/05

DATE	BY	DESCRIPTION
2/9/06	BET	ALL SHEETS
3/3/06	DOC	C401, C701, C702
5/1/06	BET	ALL SHEETS
5/17/06	DOC	C101, C401, C701
6/22/06	BET	C701
9/7/06	BET	ALL SHEETS

PROJECT ENGINEER: _____
 CHECKED BY: _____ DATE CHECKED: _____



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: Mar 2009
 Entered By: SLM

- 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 (R)
 - Water Main
 - Existing Trees
 - Existing Gas Main
 - Existing Telephone
 - Existing Water Main
 - Existing Flowline
 - Existing Overhead Utilities
 - Emergency Flood Routing
 - MFFE Minimum Finished Floor Elevation
1' Above Highest Lot Grade
 - MFCG Minimum Flood Protection Grade
2' Above 100 Year Flooding Source
(Lowest Structure Opening Permitted)
 - 2' Chairback Curb with Outer
 - Existing Storm Sewer To Be Removed

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.

CLAY TOWNSHIP REGIONAL WASTE DISTRICT
 SANITARY SEWER STRUCTURE NUMBER PREFIX:
 WVC-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

GENERAL NOTES

1. ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
2. 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.
3. STANDARD SPECIFICATIONS FOR THE HAMILTON COUNTY SURVEYOR SHALL APPLY FOR ALL STORM SERVICES.
4. 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.
5. SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4' IN WIDTH.
6. 4" CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
7. EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORERS ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS, CONTRACTION JOINTS AND PERPENDICULAR TO SIDEWALKS AT 5' INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 10' OR LESS.
8. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
9. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
10. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES. REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE 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.
11. 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 98 PERCENT OF THE STANDARD DRY DENSITY (ASTM D-1557). FILL SHOULD EXHIBIT A MAXIMUM DRY DENSITY OF AT LEAST 100 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.
12. WATERMAIN VALVES SHALL NOT BE LOCATED UNDER PAVEMENT, SIDEWALK OR CURB.
13. 100 YEAR FLOODPLAINS, FLOODWAY FRINGES AND FLOODWAYS: NONE

**SUB-SURFACE DRAINAGE
 SANITARY SEWER
 STORM SEWER
 RECORD DRAWING**

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

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

NOTE:
 NO F.E.M.A. OR D.N.R. MAPPED 100 YEAR FLOODWAY OR FLOODPLAIN PER HAMILTON COUNTY, IN, MAP NUMBER 18057C02026F.

CERTIFICATION FOR "RECORD DRAWING"

Brandon T. Burke

CERTIFIED BY:
 THE SCHNEIDER CORPORATION
 12821 EAST NEW MARKET STREET, SUITE 301
 CARMEL, INDIANA 46032
 (317) 569-8112 FAX (317) 826-6410

BRANDON T. BURKE
 No. 10000075
 STATE OF INDIANA
 PROFESSIONAL ENGINEER
 DATE: 2/14/07

NORMAL POOL=884.0
 100 YEAR ELEV.=887.15 887.17
 TOP OF BANK=889.15
 SEE CROSS SECTION DETAIL 94-2 ON C805

REVISIONS: SEE PER TAG COMMENTS AND LAND PLAN ADJUSTMENT (NOTED BEHIND SHEET SOUTH).
 2. BET. 5/1/06, REVISION PER CITY OF CARMEL COMMENTS.
 3. BET. 5/1/06, REVISION PER CITY OF CARMEL COMMENTS.
 4. BET. 5/1/06, REVISION PER CITY OF CARMEL COMMENTS.
 5. BET. 2/14/07, "RECORD DRAWING"

DATE:
 THIS DRAWING AND THE IDEAS, DESIGNS AND CONCEPTS CONTAINED HEREIN ARE THE EXCLUSIVE INTELLECTUAL PROPERTY OF THE SCHNEIDER CORPORATION, AND ARE NOT TO BE USED OR REPRODUCED, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF THE SCHNEIDER CORPORATION.
 © COPYRIGHTED BY THE SCHNEIDER CORP. (2005)

Schneider

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

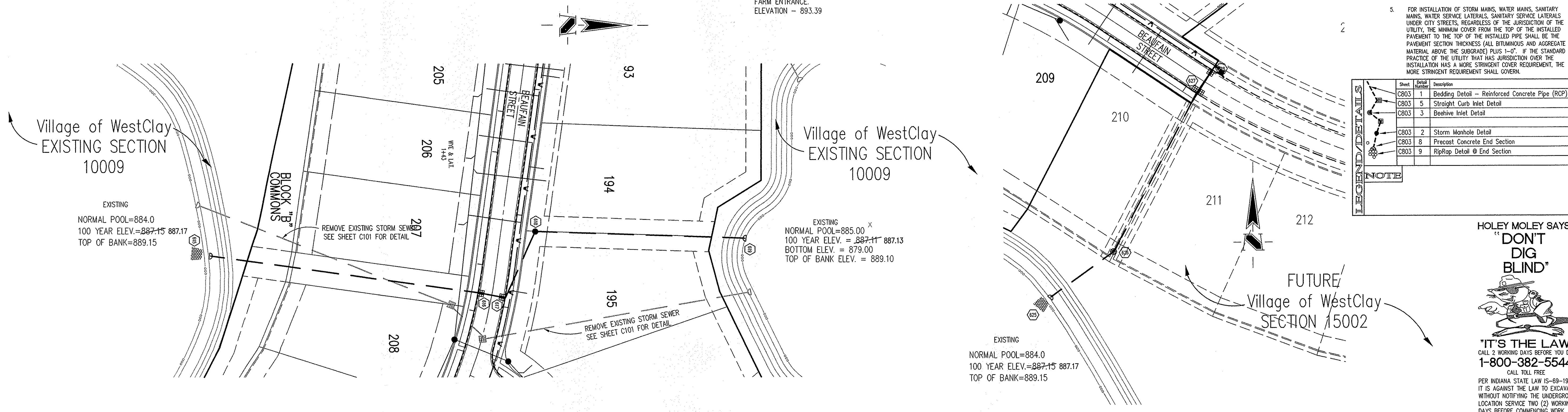
Architecture
 Civil Engineering
 Environmental Engineering
 Geotechnical Services
 GIS * LIS
 Home Builder Services
 Interior Design
 Land Surveying
 Landscape Architecture
 Transportation Engineering

Village of WestClay
 SECTION 15001
 CARMEL, INDIANA
 BRENNICK DEVELOPMENT CO.
 CARMEL, INDIANA

DATE: 12/30/05	PROJECT NO.:
1238.1501	
DRAWN BY: DCC	CHECKED BY:
SHEET TITLE: DEVELOPMENT PLAN	
DRAWING FILES: R:\1238\1501\DWG\C101.DWG RREF: 1005-B5.DWG, 1006-B5.DWG RREF: 1012-B5.DWG, 9001-B5.DWG RREF: CA15.DWG, CA16.DWG	
SHEET NO.:	
C101	

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



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.
- 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.

REVISIONS:
1. SET 2/2/06
2. SET 2/2/06
3. SET 10/17/06

REVISIONS PER TAC COMMENTS AND LAND PLAN ADJUSTMENTS (MOVED BENCHMARK TO STREET SOUTH) REVISION PER CITY OF CARMEL COMMENTS.

DATE:

THIS DRAWING AND THE IDEAS, DESIGNS AND CONCEPTS CONTAINED HEREIN ARE THE EXCLUSIVE INTELLECTUAL PROPERTY OF THE SCHNEIDER CORPORATION AND ARE NOT TO BE USED OR REPRODUCED, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF THE SCHNEIDER CORPORATION.

© COPYRIGHTED BY THE SCHNEIDER CORP. (2006)

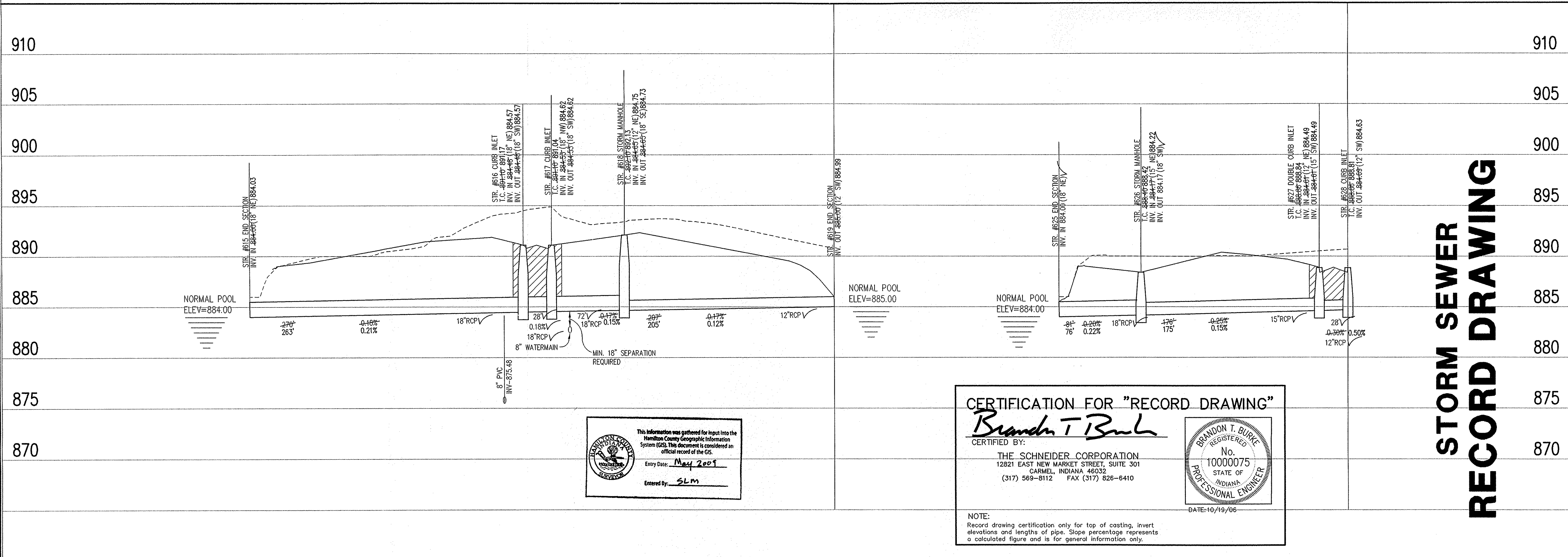
Schneider

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

Architecture
Civil Engineering
Environmental Engineering
Geotechnical Services
GIS
Home Builder Services
Interior Design
Land Surveying
Landscape Architecture
Transportation Engineering

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER RECORD DRAWING

STORM SEWER PROFILE

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

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

Village of WestClay
SECTION 15001
CARMEL, INDIANA
BRENNICK DEVELOPMENT CO.
CARMEL, INDIANA

DATE: 12/30/05 PROJECT NO.: 1238.1501
DRAWN BY: DCC CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE
DRAWING FILES:
N:\1238\1501\DWG\C601.DWG
XREF: 1501BS.DWG
XREF: 1502BS.DWG
XREF: 1503BS.DWG
XREF: 1009BS.DWG
SHEET NO.: C601

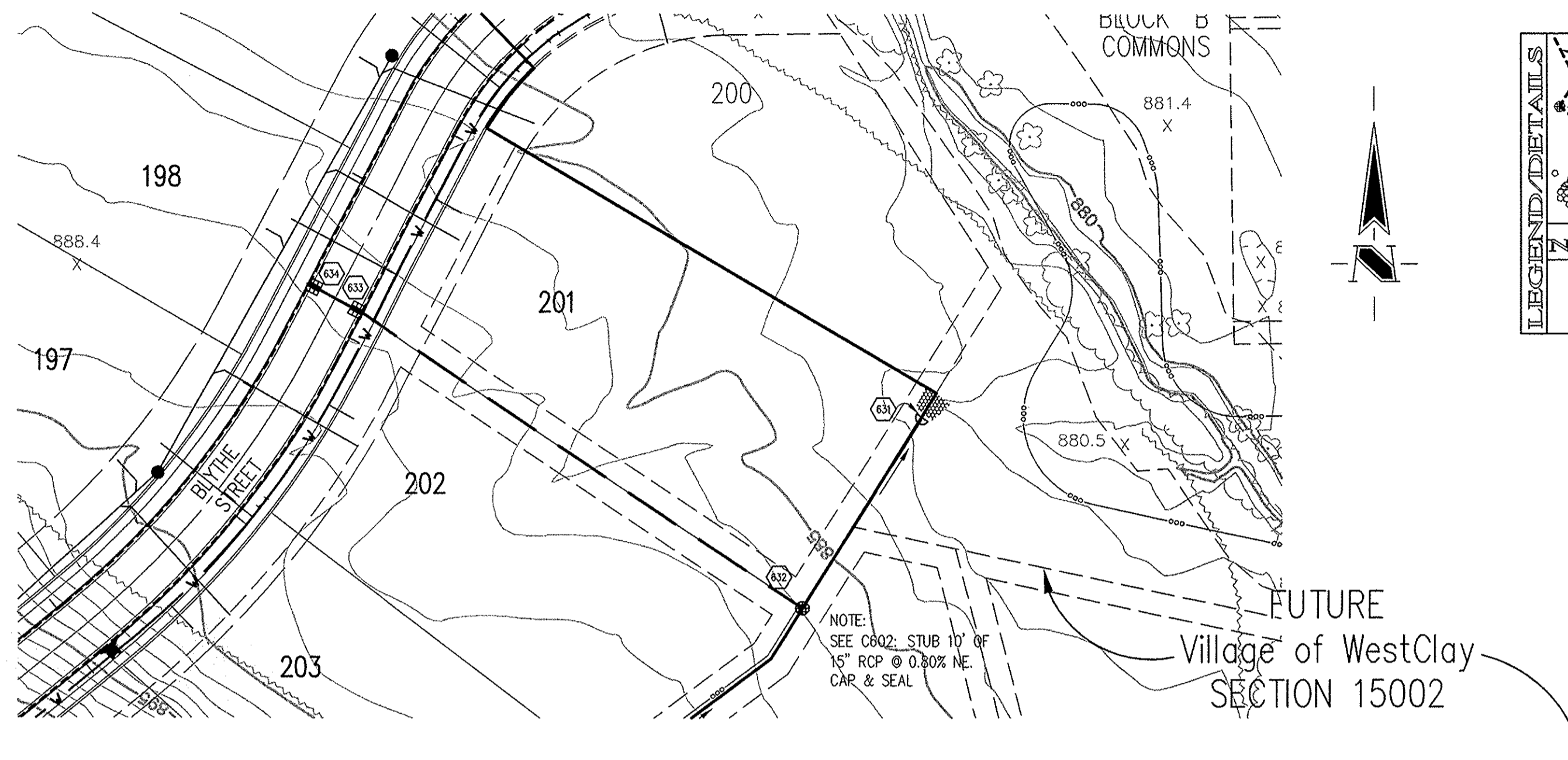
BENCHMARK

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

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.
- 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.

Sheet Number	Description
C603 1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C603 5	Straight Curb Inlet Detail
C603 3	Beehive Inlet Detail
C603 2	Storm Manhole Detail
C603 8	Precast Concrete End Section
C603 9	RipRap Detail @ End Section



HOLEY MOLEY SAYS
"DON'T DIG BLIND"



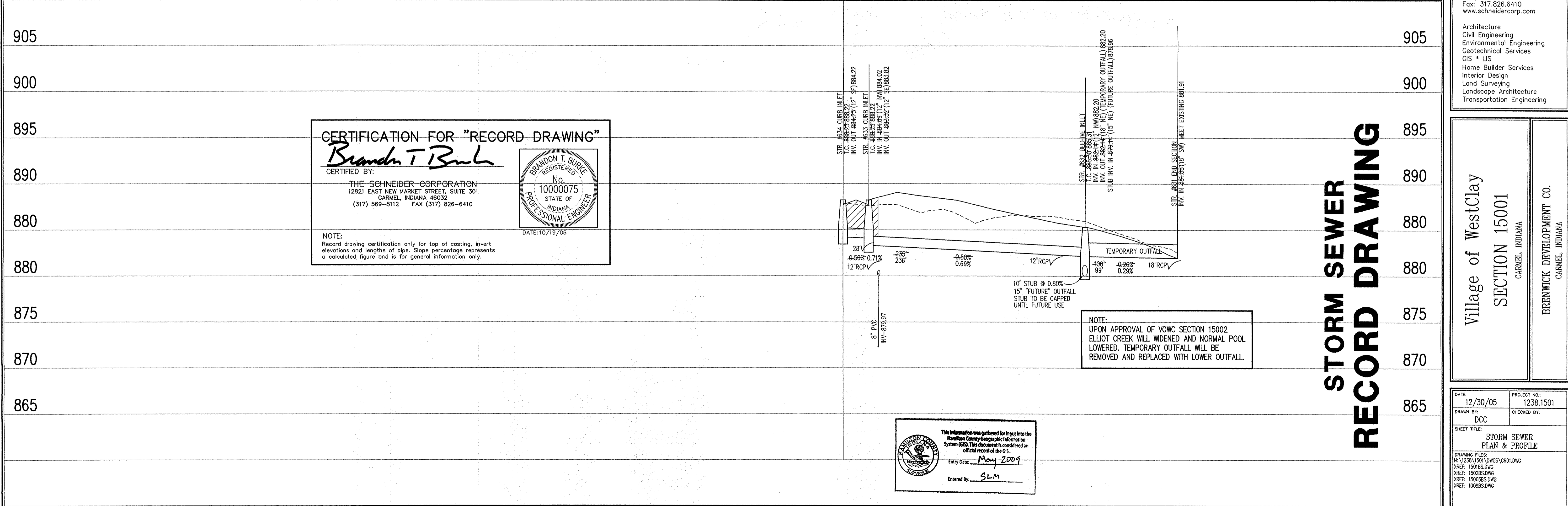
"IT'S THE LAW"
 CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
 CALL TOLL FREE
 PER INDIANA STATE LAW IS-69-1991.
 IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

STORM SEWER PLAN

SCALE: 1" = 50'

CERTIFICATION FOR "RECORD DRAWING"
Brandon T. Burke
 CERTIFIED BY:
 THE SCHNEIDER CORPORATION
 12821 EAST NEW MARKET STREET, SUITE 301
 CARMEL, INDIANA 46032
 (317) 569-8112 FAX (317) 826-6410
 BRANDON T. BURKE
 No. 10000075
 STATE OF INDIANA
 PROFESSIONAL ENGINEER
 DATE: 10/19/06

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.



STORM SEWER RECORD DRAWING

NOTE:
 UPON APPROVAL OF VOWC SECTION 15002 ELLIOT CREEK WILL WIDENED AND NORMAL POOL LOWERED. TEMPORARY OUTFALL WILL BE REMOVED AND REPLACED WITH LOWER OUTFALL.

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: May 2009
 Entered By: SLM

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

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

STORM SEWER PROFILE

REVISIONS:
 1. REVISIONS PER THE COMMENTS AND LAND PLAN ADJUSTMENTS (MOVED BEARER STREET SOUTH)
 2. BEET 5/7/06, REVISION PER CITY OF CARMEL COMMENTS.
 3. BEET 10/19/06, RECORD DRAWING

DATE:
 THIS DRAWING AND THE IDEAS, DESIGNS AND CONCEPTS CONTAINED HEREIN ARE THE EXCLUSIVE INTELLECTUAL PROPERTY OF THE SCHNEIDER CORPORATION, AND ARE NOT TO BE USED OR REPRODUCED IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF THE SCHNEIDER CORPORATION.
 © COPYRIGHTED BY THE SCHNEIDER CORP. (2005)

Schneider

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

Architecture
 Civil Engineering
 Environmental Engineering
 Geotechnical Services
 GIS * LIS
 Home Builder Services
 Interior Design
 Land Surveying
 Landscape Architecture
 Transportation Engineering

Village of WestClay
 SECTION 15001
 CARMEL, INDIANA
 BRENNWICK DEVELOPMENT CO.
 CARMEL, INDIANA

DATE: 12/30/05	PROJECT NO.: 1238.1501
DRAWN BY: DCC	CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: N:\238\1501\DWGS\C601.DWG XREF: 1501B5.DWG XREF: 1502B5.DWG XREF: 1503B5.DWG XREF: 1009B5.DWG	

SHEET NO.: **C602**