

SURVEYOR'S OFFICE

# Hamilton County

*Kenton C. Ward, Surveyor*

*Phone (317) 776-8495*

*Fax (317) 776-9628*

*Suite 188*

*One Hamilton County Square*

*Noblesville, Indiana 46060-2230*

October 22, 2004

TO: Hamilton County Drainage Board

RE: Village of West Clay Drain, Section 5001 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 5001 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	464 feet	15" RCP	492 feet
18" RCP	172 feet	27" RCP	353 feet

The total length of the drain will be 1,481 feet.

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 Commissioners 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 for common areas and platted lots, \$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 \$6,531.30.

The petitioner has submitted surety for the proposed drain at this time. Surety shall be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties which are in the form of a Performance Bond are as follows:

Agent: Bond Safeguard Insurance  
 Date: August 4, 2004  
 Number: 5012514  
 For: Storm Sewers  
 Amount: \$97,704.00

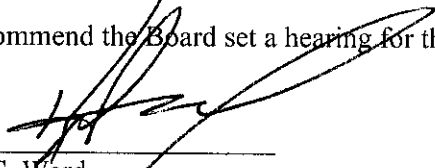
Agent: Bond Safeguard Insurance  
 Date: August 4, 2004  
 Number: 5012515  
 For: Erosion Control  
 Amount: \$31,000.00

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 IC 36-9-27-67 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 5001 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 22, 2004.



---

Kenton C. Ward  
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA     )  
                              )  
COUNTY OF HAMILTON )

TO: HAMILTON COUNTY DRAINAGE BOARD  
c/o Hamilton County Surveyor, Courthouse, Noblesville, IN 46060

In the matter of     Village of WestClay                     Subdivision,  
Section   5001                                     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 for the portion of the drainage system, which will be made a regulated drain. The bond will be in the amount of 100% 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 Petitioner's cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain.

  
 \_\_\_\_\_  
 Signed

KEVIN KAULEK BRENWICK DEVELOPMENT COMPANY, INC  
 Printed Name AN AGENT TO BRENWICK TND COMMUNITIES, LLC.  
 (OWNER)

\_\_\_\_\_  
 Signed

\_\_\_\_\_  
 Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE 3/25/04



DATE: August 12, 2004.

CUSTOMER: Brenwick Development Co.

JOB NAME: West Clay 5001 & West Clay 5002 (Bulk)

LOCATION: Carmel, IN

**VALENTI-HELD CONTRACTOR / DEVELOPER, INC.** agrees to furnish and install the necessary materials, equipment, and labor, in the manner described below, and to perform such construction in a workmanlike manner, and as expeditiously as the construction schedule and weather conditions permit (but subject to delays from causes beyond our control; such as strikes, shortage of labor, fires, accidents, or acts of God). Our workmanship and material is guaranteed for one year from the date of job completion. In the event that defective workmanship or materials are determined to have occurred, **VALENTI-HELD CONTRACTOR / DEVELOPER, INC.** shall be liable only for the replacement of same. This proposal is valid for 30 days & is subject to increase due to fluctuation in labor and material costs if not started within 60 days.

This proposal is based on drawings and specifications prepared by Schneider Engineering dated 3/1/04 with revisions dated 4/19/04. All topographic information provided on these drawings is assumed to be within + or - 0.5 feet of the actual elevation encountered at the project site and the average elevation of the entire site is assumed to be within + or - 0.1 feet of the actual elevations that exist on the site. We reserve the right to adjust our earthwork bid amount if a greater variance is found to exist and/or make field adjustments to design elevations (with the engineer's approval) in order to achieve the anticipated earthwork balance. Verification of existing elevations will take place as soon as construction staking for the project occurs.

317-769-6922

1-800-886-6922

FAX 317-769-5525

4937 Fieldstone Drive

Whitestown, IN 46075

West Clay 5001 & 5002 (Bulk)2 Proposal & Contract  
08/12/2004

- F. Relocation of existing utilities.
- G. Cost for design engineer to produce as-built record drawings.
- H. Videotape inspection of the sanitary sewer mains after pipe installation.
- I. Bituminous coating of manholes or installation of "Infa-Shield" seals.
- J. Fine grading, seeding and sodding of off-site areas.
- K. Locating or height adjustment of pipe castings or clean outs due to grade changes made by others (i.e., at the end of the maintenance bond period). This work will be performed on a Time & Material basis.
- L. The installation of a deep well dewatering system to reduce the water table below the pipe grade.
- M. Sales tax.

TOTAL BID AMOUNT = [REDACTED]

III. STORM SEWERS

Includes:

- A. Excavation and placement of the R.C.P. as shown on the drawings.
- B. Inlets and manholes.
- C. Concrete end sections.
- D. Riprap.
- E. Granular backfill in all proposed paved areas.
- F. 6" Double Wall SSD (HDPE) subsurface drains under curbs and 4" yard laterals.
- G. #8 stone backfill as required for subsurface drains.
- H. 3 Year - 20% Maintenance bond.

Excludes:

- A. Field engineering and soils testing.
- B. West Clay 5002 Utilities
- C. Permits or performance bonds.
- D. Relocation of existing utilities.
- E. Granular or stone bedding of any kind.
- F. #8 stone backfill as required for subsurface drains.
- G. Cost for design engineer to produce as-built record drawings.
- H. Locating or height adjustment of castings due to grade changes made by others (i.e., at the end of the maintenance bond period). This work will be performed on a Time & Material basis.
- I. Sales tax.

TOTAL BID AMOUNT = \$ 104,777.00



**BOND SAFEGUARD INSURANCE COMPANY  
Lombard, IL 60148**

**SUBDIVISION PERFORMANCE BOND**

HCDB-2004-00071

**BOND #5012515**

**KNOW ALL MEN BY THESE PRESENTS**, That we, Brenwick Development Company, Inc., 12821 East New Market Street, #200, 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 Board of Commissioners of Hamilton County, One Hamilton County Square, Noblesville, IN 46060, as Owner, in the sum of **\*\*Thirty One Thousand and 00/100\*\* Dollars (\$31,000.00)**, 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 Erosion Control for the Village of WestClay Subdivision, Section 5001, according to the approved plans and specifications on file with the Board of Commissioners of Hamilton County, 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 4th Day of August, 2004.

Brenwick Development Company, Inc.

By: [Signature]  
KEITH LASH, VP OPERATIONS

Bond Safeguard Insurance Company

By: [Signature]  
Deborah M. Roth, Attorney-in-Fact

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

FILE COPY

POWER OF ATTORNEY  
**Bond Safeguard** INSURANCE COMPANY

AO 30481

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 George Balzano,

Deborah Mary Roth, Jacqueline Demeter

its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surety, 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 \$500,000.00, Five Hundred Thousand 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 7th day of November, 2001.



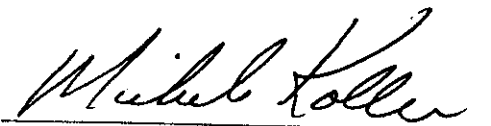
**BOND SAFEGUARD INSURANCE COMPANY**

BY   
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.

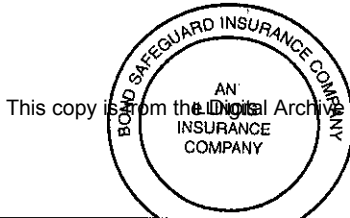


  
Michele Koller  
Notary Public


**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 4th Day of August, 2004



This copy is from the Digital Archive of the Hamilton County Surveyor's Office, Noblesville, IN 46060

  
Donald D. Buchanan  
Secretary





HCDB-2004-00070

**BOND SAFEGUARD INSURANCE COMPANY  
Lombard, IL 60148**

**SUBDIVISION PERFORMANCE BOND**

**BOND #5012514**

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**THE CONDITION OF THIS BOND** is such that if the said Principal shall complete the construction of Storm Sewers for the Village of WestClay Subdivision, Section 5001, according to the approved plans and specifications on file with the Board of Commissioners of Hamilton County, 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 4th Day of August, 2004.

Brenwick Development Company, Inc.

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

KEITH LASH, VP. OPERATIONS

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



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AO 30482

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Michele Koller  
Notary Public

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Donald D. Buchanan  
Secretary

FINDINGS AND ORDER

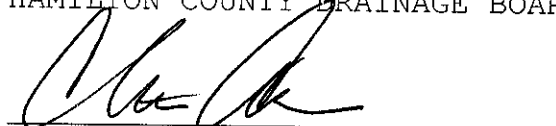
CONCERNING THE MAINTENANCE OF THE

Village of West Clay Drain, Section 5001 Arm

On this **22nd day of November, 2004**, 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 5001 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



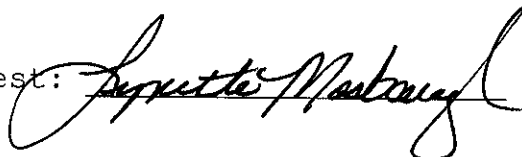
President



Member

Member

Attest:



Village of West Clay Drain - Section 5001:

There were neither landowners present nor objections on file.

The Surveyor presented his report to the Board for approval.

October 22, 2004

TO: Hamilton County Drainage Board

RE: Village of West Clay Drain, Section 5001 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 5001 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	464 feet	927	15" RCP	492 feet	159
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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 for common areas and platted lots, \$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 \$6,531.30.

The petitioner has submitted surety for the proposed drain at this time. Surety shall be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties which are in the form of a Performance Bond are as follows:

Agent: Bond Safeguard Insurance	Agent: Bond Safeguard Insurance
Date: August 4, 2004	Date: August 4, 2004
Number: 5012514	Number: 5012515
For: Storm Sewers	For: Erosion Control
Amount: \$97,704.00	Amount: \$31,000.00

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.

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR  
RE: Village of West Clay Section 5001

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: Brandon T Burke Date: 1/21/06

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

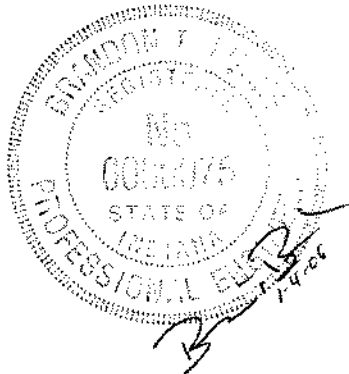
Business /Address: The Schneider Corporation  
12821 E. New Market Street, Suite 301, Carmel, IN 46032

Telephone: (317) 826-6401

INDIANA REGISTRATION NUMBER

PE 10000075

SEAL



4.6.7.8

DRAIN: #312 VOWC  
~~Elliott Creek~~

IMPROVEMENT-ARM: VOWC 5001

HEARING DATE: Nov 22, 2004

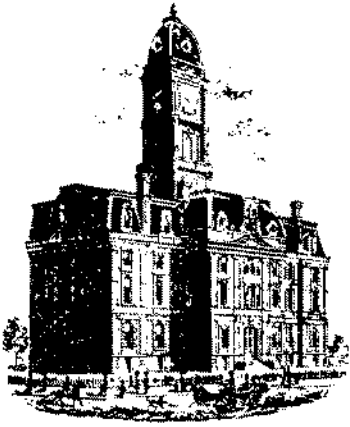
DRAIN BOOK & PAGE: BK 8 PG 69-70

Just. 2004

**FINAL REPORT CHECKLIST**

- RELEASE BONDS Oct. 9, 2006
- NON-ENFORCEMENT #2005 00044101
- ENG CERT OF CC JAN 9, 06
- ASBUILTS JAN 9, 06
- FIGURE PIPE LENGTHS ✓ 9-28-07
- ENTER INTO GIS ✓ Done
- WRITE FINAL REPORT 9-28-07
- ENTER INTO POSSE ✓ 10-2-07
- ENTER INTO GASB 34 SPREADSHEET ✓ 10-2-07
- SCAN SURVEYOR'S REPORTS \_\_\_\_\_
- EMAIL WORD FILES TO LYNNETTE \_\_\_\_\_
- COPIES OF REPORTS TO LYNNETTE \_\_\_\_\_

18/00  
18/04



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**

**September 28, 2007**

**Re: Village of West Clay Drain: Section 5001**

Attached are as-builts, certificate of completion & compliance, and other information for Village of West Clay Section 5001. 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 October 22, 2004. The report was approved by the Board at the hearing held November 22, 2004. (See Drainage Board Minutes Book 8, Pages 69-70)  
 The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
674-EX	39	12	RCP	896.65	895.88	1.97	
675-EX	37	12	RCP	896.62	895.9	1.95	1
675A-675	38	12	RCP	897.09	896.65	1.16	
676-EX	58	12	RCP	896.12	896	0.21	1
676A-676	20	12	RCP	896.3	896.25	0.25	
645A-EX	24	12	RCP	896.2	895.56	2.67	
645-645A	62	12	RCP	897.43	896.23	1.84	1
646-645	30	12	RCP	899.02	898.63	1.3	
662-EX	44	15	RCP	896.76	896.19	1.3	
663-662	126	12	RCP	898.2	897.09	0.88	-2
640B-640A	10	12	RCP	899.73	899.58	1.5	2
661-650	21	12	RCP	898.74	898.5	1.14	
661A-661	20	12	RCP	899.13	899	0.65	
657-649	112	18	RCP	896.48	896.25	0.21	2
658-657	58	18	RCP	896.61	896.48	0.22	-4
647A-EX	26	27	RCP	895.26	895.15	0.42	2
647-647A	34	27	RCP	895.52	895.32	0.59	-24
648-647	264	27	RCP	896.2	895.52	0.26	1
649-648	29	27	RCP	896.25	896.2	0.17	
650-649	43	15	RCP	897	896.25	1.74	-2
651-650	72	15	RCP	897.37	897.03	0.47	
651A-651	20	12	RCP	897.41	897.37	0.2	
652-651A	203	12	RCP	898.71	897.45	0.62	-2

653-652	109	12	RCP	899.3	898.71	0.54	2
654-653	30	12	RCP	899.68	899.39	0.97	
655-647	14	12	RCP	899.39	899.12	1.93	2
656-655	30	12	RCP	899.55	899.42	0.43	
656A-656	36	12	RCP	900.37	899.88	1.36	

**RCP Pipe Totals:**

12	927
15	159
18	170
27	353

**Total: 1609**

The length of the drain due to the changes described above is now **1609 feet**.

The non-enforcement was approved by the Board at its meeting on November 22, 2004 and recorded under instrument #200500044101.


The following sureties were guaranteed by Bond Safeguard Insurance and released by the Board on its October 9, 2006 meeting.

**Bond-LC No:** 5012514  
**Insured For:** Storm Sewers  
**Amount:** \$97,704.00  
**Issue Date:** August 4, 2004

**Bond-LC No:** 5012515  
**Insured For:** Erosion Control  
**Amount:** \$31,000.00  
**Issue Date:** August 4, 2004

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

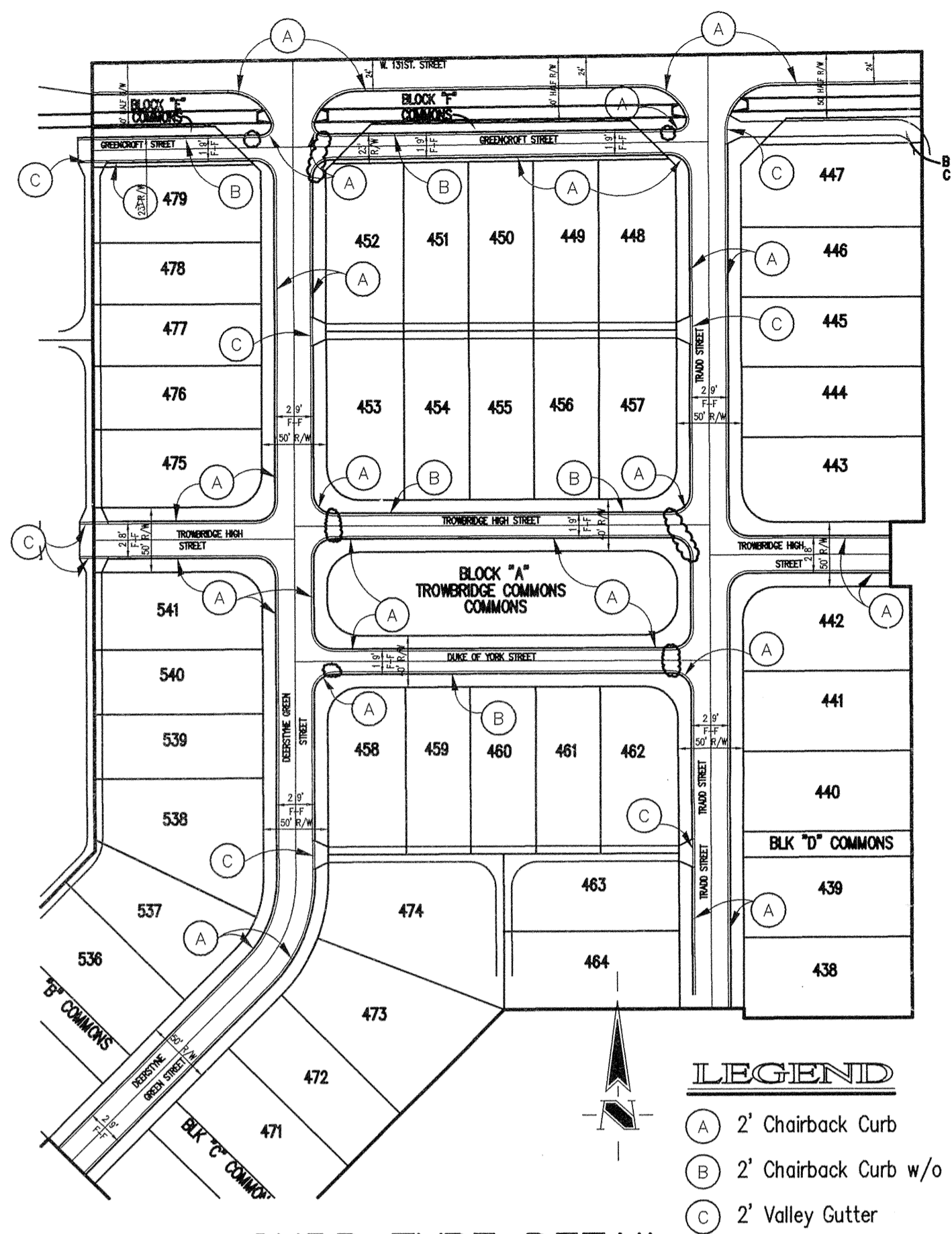
Sincerely,



\_\_\_\_\_  
Kenton C. Ward, CFM  
Hamilton County Surveyor

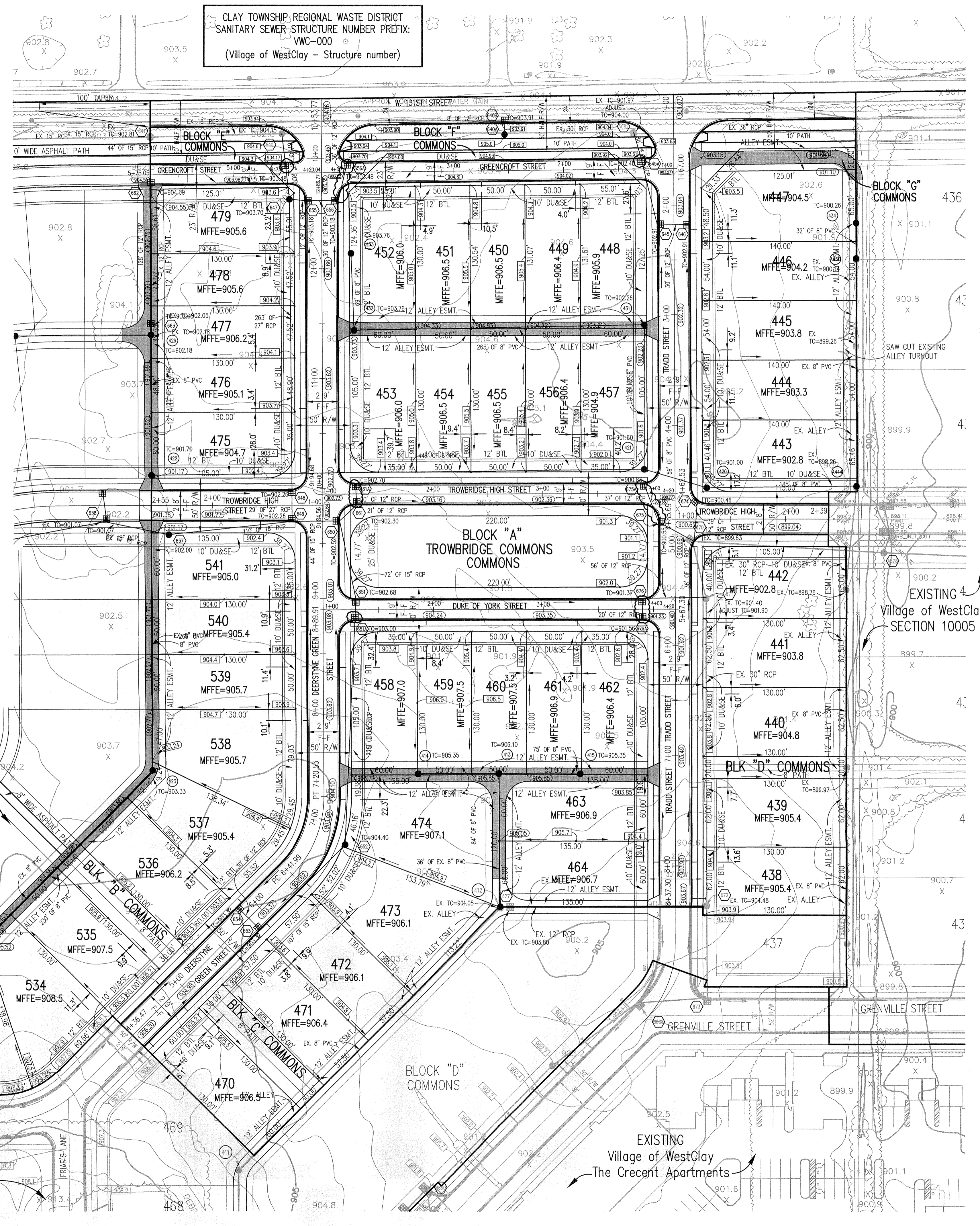
KCW/slm





**CURB TYPE DETAIL**  
SCALE 1"=100'

# SUBSURFACE DRAINAGE SANITARY SEWER STORM SEWER RECORD DRAWING



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

ASSUMED NORTH  
SCALE: 1" = 50'

- 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
  - Swale (S)
  - Existing Trees
  - Existing Gas Main
  - Existing Telephone
  - Existing Water Main
  - Existing Fireline
  - Existing Overhead Utilities
  - Denotes 12' Alley (PRIVATE - Alley Easement)
  - MFFE= Minimum Finished Floor Elevation

**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 SEWERS.
4. STANDARD SPECIFICATIONS FOR CLAY TOWNSHIP REGIONAL WASTE DISTRICT SHALL APPLY FOR ALL SANITARY SEWERS. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
5. 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.
6. SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 5' IN WIDTH.
7. 5" CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
8. EXPANSION JOINTS AREA TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES 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.
9. 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.
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 95 PERCENT OF THE MAXIMUM 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 SHOULD 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.
12. WATERMAIN VALVES SHALL NOT BE LOCATED UNDER PAVEMENT.

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

**BENCHMARK**

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

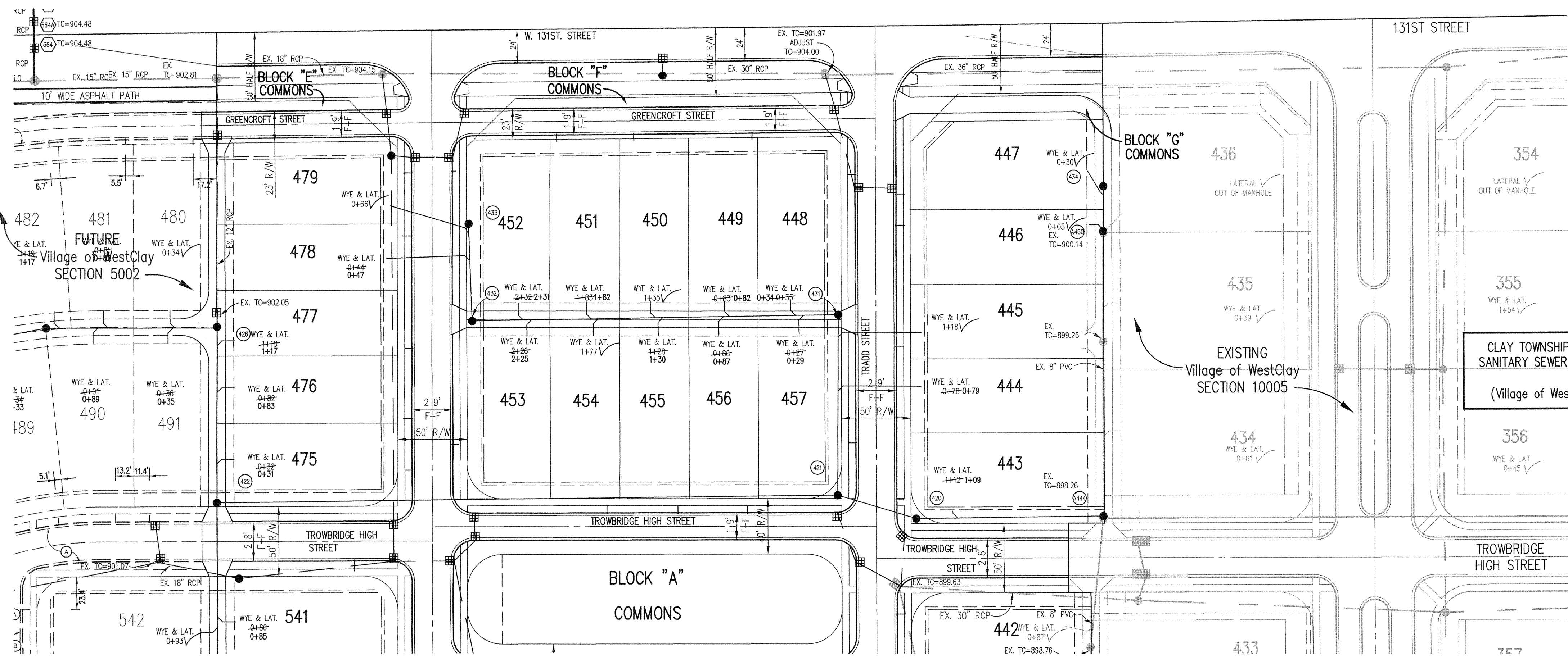
HOLEY MOLEY SAYS  
**"DON'T DIG BLIND"**  
  
**"IT'S THE LAW"**  
CALL 2 WORKING DAYS BEFORE YOU DIG  
1-800-382-5544  
CALL TOLL FREE  
PER INDIANA STATE LAW 15-69-1991.  
IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

BRANDON T. BUNKE  
REGISTERED  
No. 10000075  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
  
DATE: 3/1/04  
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Village of WestClay  
SECTION 5001  
CARMEL, INDIANA  
BRENWICK DEVELOPMENT CO.  
CARMEL, INDIANA

DATE: 3/1/04 PROJECT NO: 1238.5001  
DRAWN BY: BET CHECKED BY:  
SHEET TITLE: DEVELOPMENT PLAN  
DRAWING FILES: N:\1238\5001\DWG\5001.DWG  
XREF: 10085.DWG, 30045.DWG  
XREF: 5001-BS.DWG, 5002-BS.DWG, 5003-BS.DWG  
XREF: 0401.DWG  
XREF: SPAN04PTS.DWG  
SHEET NO: C101



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

- 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. (NH)
  - 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 RUNNIG 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.
  - ALL BACKFILL WITHIN RIGHT-OF-WAY MUST BE MECHANICALLY COMPACTED IN LIFTS.
  - ANY UTILITY OR LATERAL CROSSINGS CLOSER THAN 8 INCHES IN SEPARATION REQUIRES CONCRETE ENCASEMENT.
  - GRANULAR BACKFILL SHALL BE NO. 8 CRUSHED LESTONITE FOR BEDDING AND BACKFILL AROUND THE PIPE AND ALSO CLEAN MATERIAL FREE OF ROCKS, ECT. LARGER THAN 6" OR OTHER EXTRANEOUS MATERIAL. IN AREA WITHIN 5 FEET OF ROAD SURFACE, BACKFILL PER REQUIREMENTS OF DOT AND COMPACT TO 95% MODIFIED PROCTOR. ALTERNATIVES MUST BE APPROVED THROUGH CITY OF CARMEL ENGINEERS.

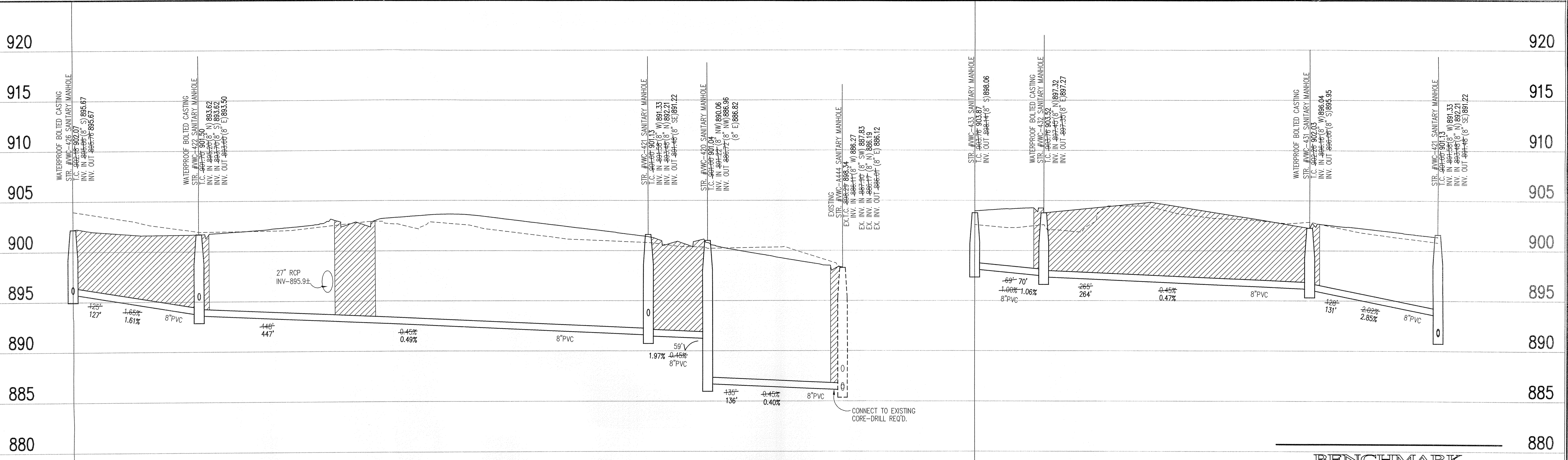
**LEGEND/DETAILS**

Sheet	Detail Number	Description
C802	1	Precast Reinforced Concrete Manholes
C802	5	Sanitary Sewer Bedding Detail
C802	6	Service Connection to Main Sewer
C802	7	Wye & Lateral Capping Detail
C802	8	Concrete Drop Manhole

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

**SANITARY SEWER PLAN**

SCALE: 1"=50'



**SANITARY SEWER RECORD DRAWING**

**SANITARY SEWER PROFILE**

**LEGEND**

Existing Grade	New Grade	Granular Backfill

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

REVISIONS:  
 1. REV. 4/19/04 REVISED PER ITC COMMENTS.  
 2. REV. 5/11/04 REVISED PER ITC COMMENTS.  
 3. REV. 6/16/04 REVISED PER RECORD DRAWING.

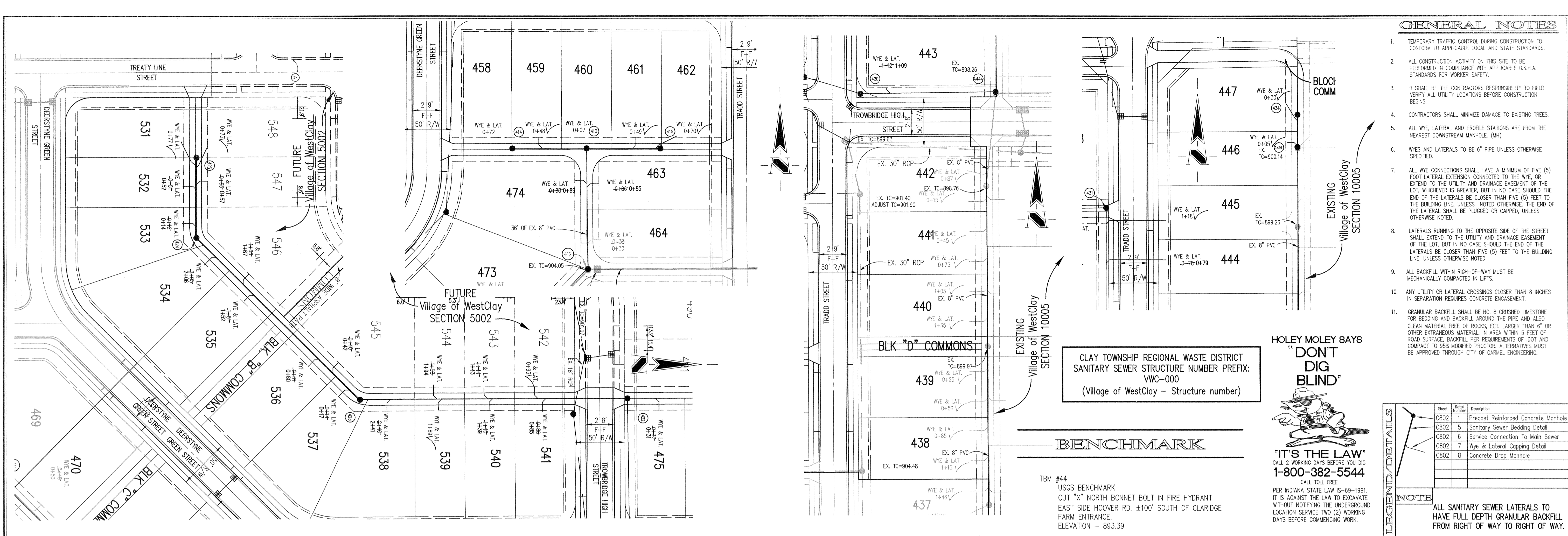
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 Entry Date: 8-25-07  
 Entered By: SLW

BRANDON T. BURKE  
 REGISTERED  
 No. 10000075  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 DATE: 3/1/04  
 BRANDON T. BURKE  
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Village of WestClay  
 SECTION 5001  
 CARMEL, INDIANA  
 BRENNICK DEVELOPMENT CO.  
 CARMEL, INDIANA



**REVISIONS**

1. SET, 4/19/04, REVISED PER TAC COMMENTS.
2. SET, 4/20/04, REVISED SANITARY PER STR. #112 ASHBIT INFORMATION.
3. SET, 8/20/04, ADDED SANITARY LATERALS TO LOTS 542-548 IN FUTURE SECTION 5002.
4. SET, 8/20/04, ADDED SANITARY LATERALS TO LOTS 542-548 IN FUTURE SECTION 5002.
5. SET, 8/20/04, "RECORD DRAWING".

This information was prepared for input into the Hamilton County Geographic Information System (GIS) and is not to be used as an official record of the City of Carmel, Indiana.

Prepared By: **SLM**

**BRANDON T. BURKE**  
REGISTERED PROFESSIONAL ENGINEER  
No. 10000075  
STATE OF INDIANA  
DATE: 3/1/04

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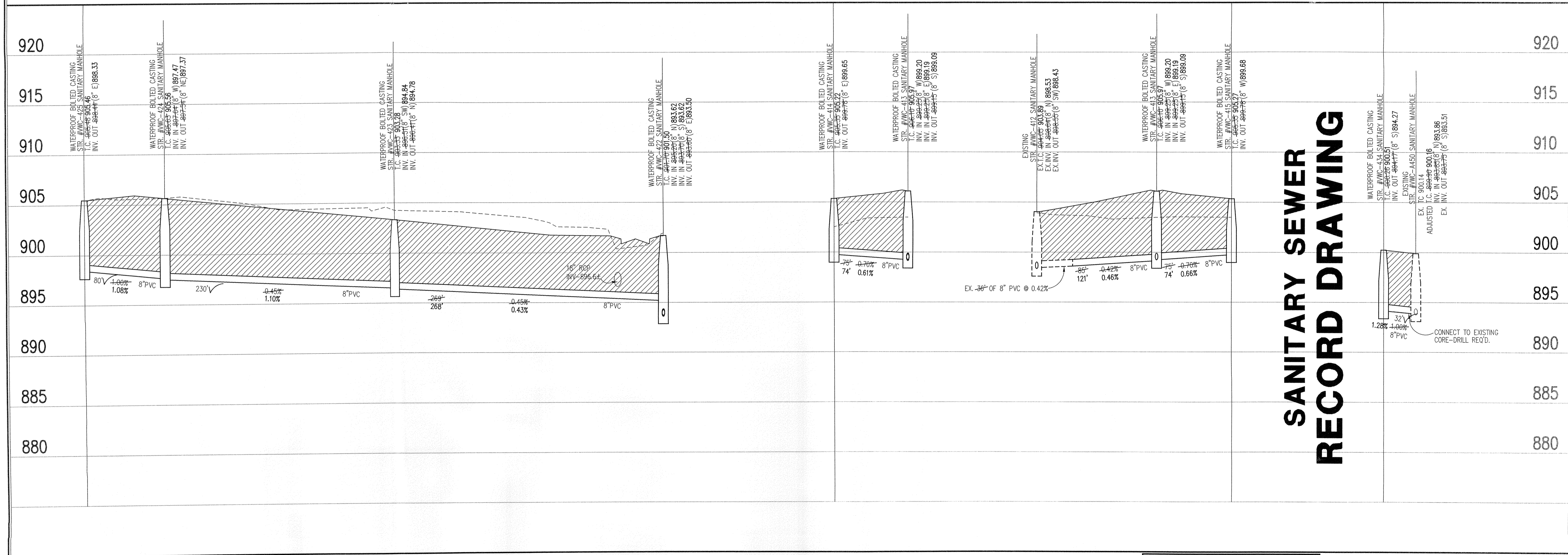
Village of WestClay  
SECTION 5001  
CARMEL, INDIANA

BRENNICK DEVELOPMENT CO.  
CARMEL, INDIANA

DATE: 3/1/04 PROJECT NO.: 1238.5001  
DRAWN BY: DCC CHECKED BY:  
SHEET TITLE: SANITARY SEWER PLAN & PROFILE  
DRAWING FILES: N:\238\5001\DWG\SC401-402.DWG  
XREF: 5001-BS.DWG  
XREF: 5003-BS.DWG  
XREF: 5002-BS.DWG  
XREF: 1005BS.DWG  
XREF:  
SHEET NO.: **C402**

**SANITARY SEWER PLAN**

SCALE: 1"=50'

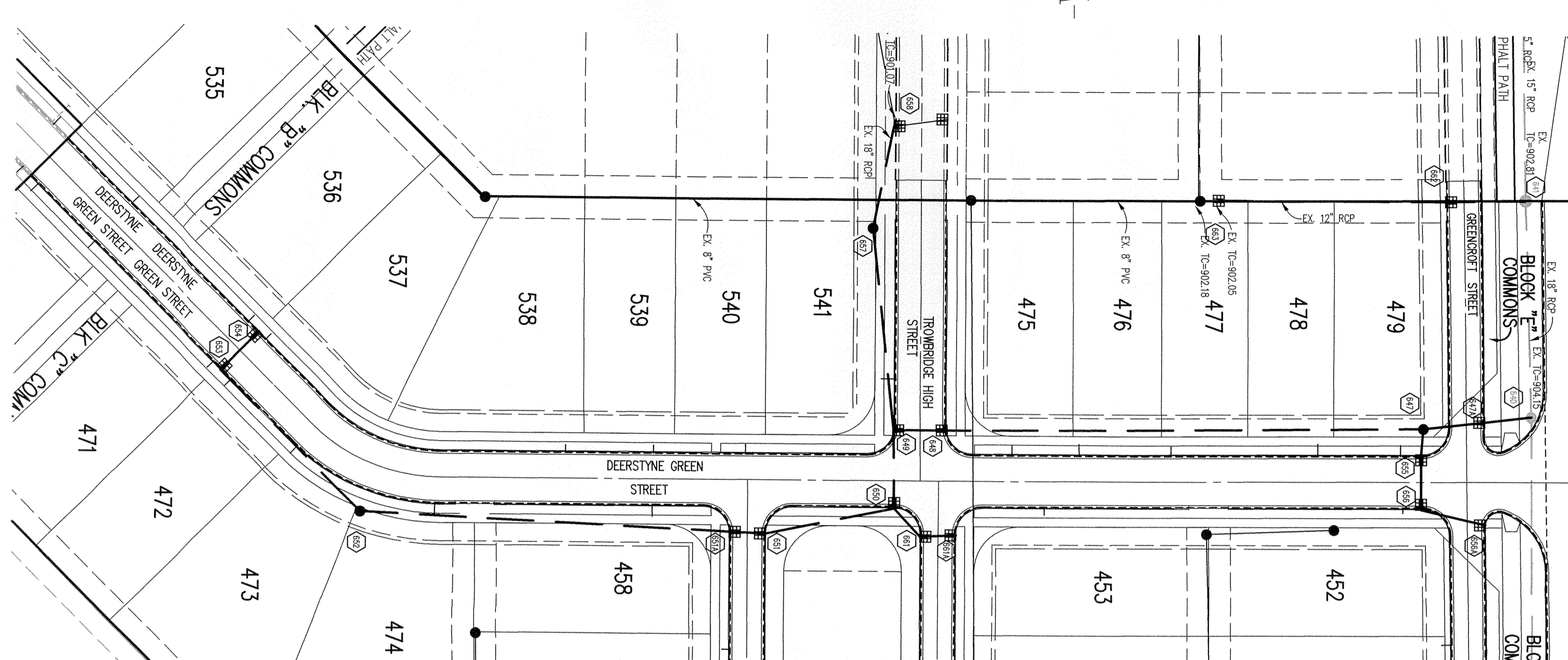


**SANITARY SEWER PROFILE**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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



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**LEGEND/DETAILS**

Sheet	Detail	Description
CB03	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
CB03	5.7	Chamfered Curb Inlet Detail
CB03	4	Beehive Inlet Detail
CB03	3	Storm Manhole Detail
CB03	8	Precast Concrete End Section
CB03	9	RipRap Detail @ End Section

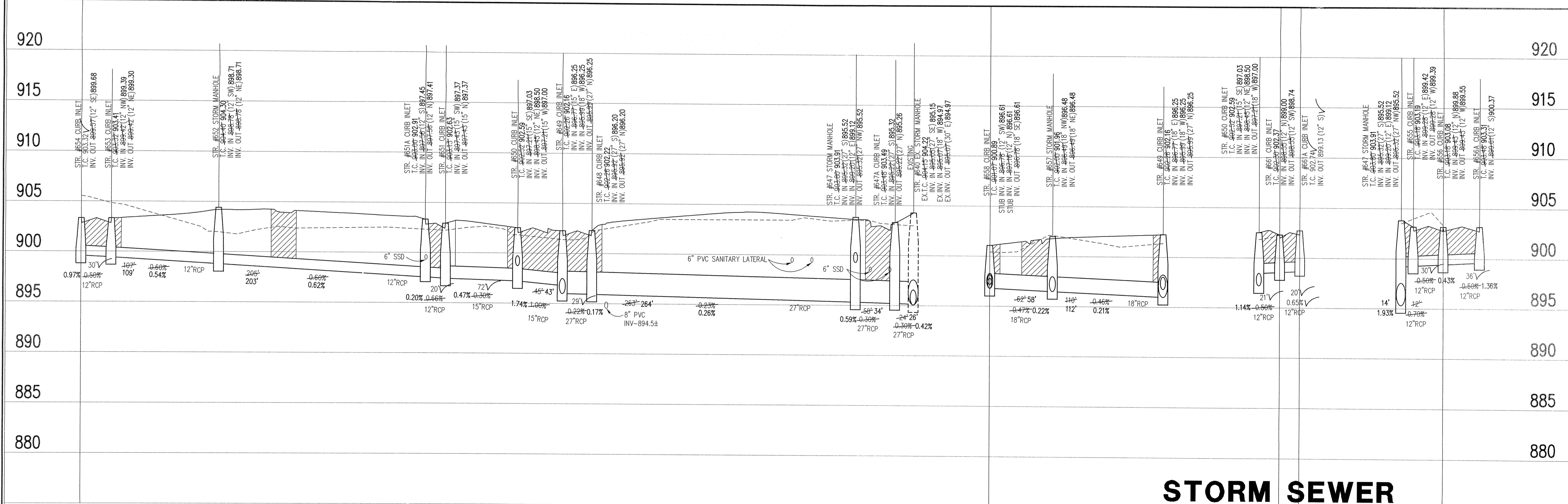
**NOTE**

**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'



**STORM SEWER RECORD DRAWING**

**STORM SEWER PROFILE**

**LEGEND**

Existing Grade	New Grade	Granular Backfill

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

REVISIONS:  
 1. BET. 4/19/04. REVISED PER IAC COMMENTS.  
 2. DOC. 6/23/04. REVISED PER CITY OF CARMEL COMMENTS.  
 3. BET. 6/16/05. RECORD DRAWING

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 Date: 3-23-07  
 Drawn By: S.L.V.  
 Checked By: S.L.V.

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

*Brandon T. Burke*  
 DATE: 3/1/04  
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Village of WestClay  
**SECTION 5001**  
 CARMEL, INDIANA

BRENNICK DEVELOPMENT CO.  
 CARMEL, INDIANA

DATE: 3/1/04 PROJECT NO.: 1238.5001  
 DRAWN BY: DCC CHECKED BY:  
 SHEET TITLE: STORM SEWER PLAN & PROFILE  
 DRAWING FILE: N:\238\5001\DWGS\C601-602.DWG  
 XREF: 5001-BS.DWG  
 XREF: 5003-BS.DWG  
 XREF: 5002-BS.DWG  
 XREF: 1006BS.DWG  
 XREF: CA15.DWG  
 XREF:  
 SHEET NO.: **C601**

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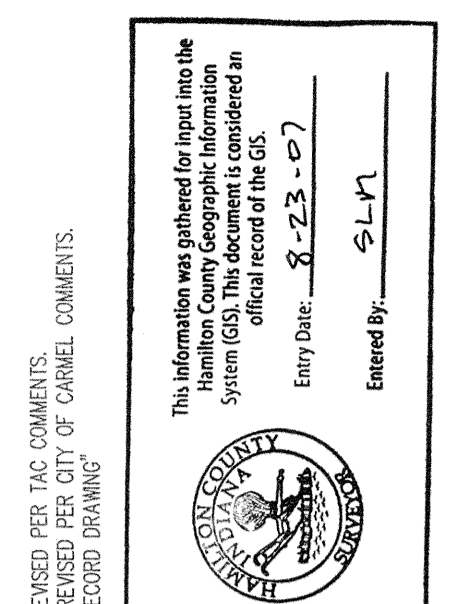
**LEGEND/DETAILS**

Sheet Number	Description
C803 1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C803 5,7	Chorback Curb Inlet Detail
C803 4	Beehive Inlet Detail
C803 3	Storm Manhole Detail
C803 8	Precast Concrete End Section
C803 9	RipRap Detail @ End Section

**NOTE**

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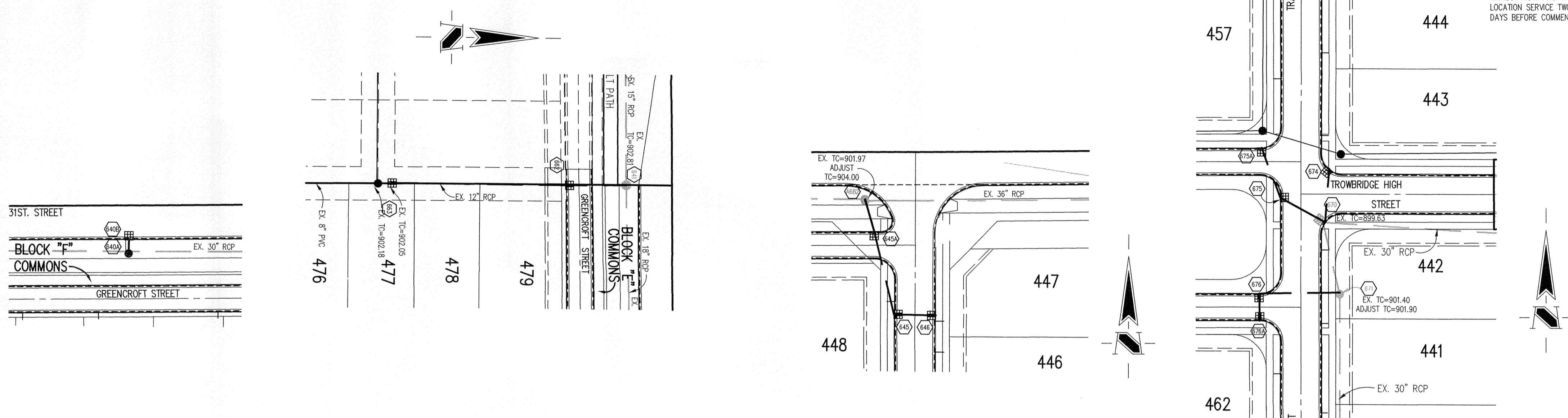


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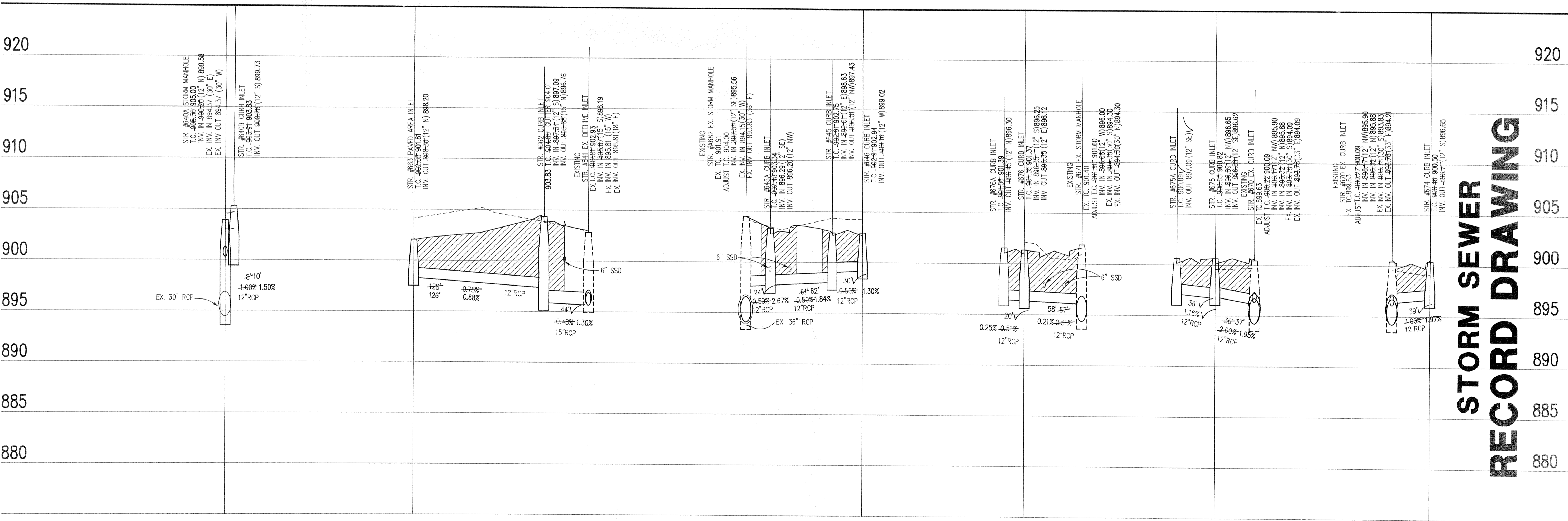
Village of WestClay  
 SECTION 5001  
 CARMEL, INDIANA  
 BRENNICK DEVELOPMENT CO.  
 CARMEL, INDIANA

DATE: 3/1/04	PROJECT NO.: 1238.5001
DRAWN BY: DCC	CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: N:\1238\5001\DWGS\C601-602.DWG XREF: 5001-B5.DWG XREF: 5003-B5.DWG XREF: 5002-B5.DWG XREF: 100565.DWG XREF: CA15.DWG XREF:	
SHEET NO.:	



**STORM SEWER PLAN**

SCALE: 1"=50'



**STORM SEWER RECORD DRAWING**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

**STORM SEWER PROFILE**

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C602