



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 5, 2005

To: Hamilton County Drainage Board

Re: Village of West Clay Drain, Section 10012 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 10012 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	568 ft	18" RCP	287 ft	24" RCP	362 ft
15" RCP	240 ft	21" RCP	448 ft	36" RCP	697 ft
				Open Channel	180 ft

The total length of the drain will be 2,782 feet.

The open channel listed above is from Structure 672 to the current end of Elliott Creek at or near Structure 710. This location is in Section 9005 of the Village of West Clay on Lot 61.

The retention pond (lake) which is located in Block "B" Commons is 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 \$2,941.66.

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 Co.  
Date: April 22, 2005  
Number: 5016377  
For: Storm Sewers  
Amount: \$304,776.00

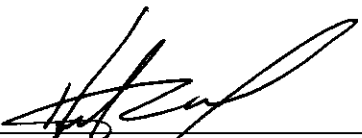
Agent: Bond Safeguard Insurance Company  
Date: April 22, 2005  
Number: 5016376  
For: Erosion Control  
Amount: \$50,400.00

Parcels assessed for this drain may be assessed for the Collins-Osborn or William 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 10012 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 28, 2005.

  
\_\_\_\_\_  
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  
                                  10012                                   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

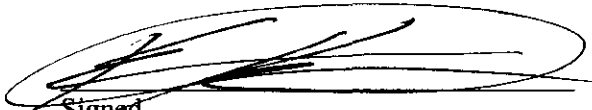
Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

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

KEVIN KRUEK, AGENT TO OWNER:  
Printed Name BREWICK TND COMMUNITIES  
LLC

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

3/28/05  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signed

\_\_\_\_\_  
Signed

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

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

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

FINDINGS AND ORDER

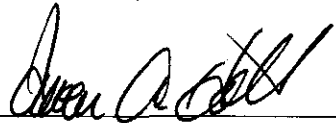
CONCERNING THE MAINTENANCE OF THE

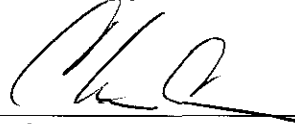
Village of West Clay Drain, Section 10012 Arm

On this *28th day of November 2005*, 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 10012 Arm*.

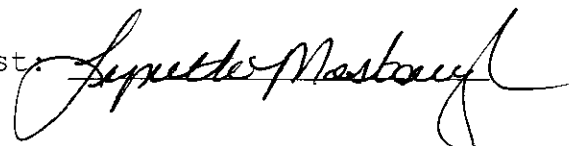
Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund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

HAMILTON COUNTY DRAINAGE BOARD

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
Member

  
\_\_\_\_\_  
Member

Attest:   
\_\_\_\_\_  
Superintendent

**Villages of West Clay Section 10012  
GASB 34 Calculation**

**Villages of West Clay Drain – Section 10012 Arm: 2,782 ft  
Elliott Creek Drain –Lakeside Park Sec. 1 Relocation: 2,098ft**

**Total Footage = 4,880 ft  
Bond Amount = \$295,980**

**Villages of West Clay Drain – Section 10012 Arm:  $.57(\$295,980) = \$168,708.60$   
Elliott Creek Drain –Lakeside Park Sec. 1 Relocation:  $.43(\$295,980) = \$127,271.40$**

Note: Bonds were posted at 120% of the engineers estimate. This dollar amount is based upon the engineer's estimate.

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR  
RE: Village of West Clay Section 10012

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: 4-6-06

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





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 5, 2009**

**Re: Village of West Clay: Section 10012 Arm**

Attached are as-builts, certificate of completion & compliance, and other information for Village of West Clay Section 10012. 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 5, 2005. The report was approved by the Board at the hearing held November 28, 2005. (See Drainage Board Minutes Book 8, Pages 537-539)  
 The changes are as follows:

<b>Structure:</b>	<b>Length:</b>	<b>Size</b>	<b>Material:</b>	<b>Up Invert:</b>	<b>Dn Invert:</b>	<b>Grade:</b>	<b>Changes:</b>
611-610	81	18	RCP	895.82	895.28	0.67	-3
610-609	202	18	RCP	895.28	894.06	0.6	-1
609-608	57	21	RCP	894.06	893.84	0.39	
608-607	160	21	RCP	893.84	893.05	0.49	
607-606	233	21	RCP	893.05	892.07	0.42	2
631-630	29	12	RCP	896.45	896.35	0.34	
630-606	97	12	RCP	896.35	892.07	0.92	-1
606-605	171	24	RCP	892.07	891.45	0.36	
625-605	67	15	RCP	893.32	891.45	0.97	1
605-604	328	36	RCP	891.45	890.66	0.24	
604-603	125	36	RCP	890.66	890.33	0.26	1
603-602	29	36	RCP	890.33	890.21	0.41	
602-601	49	36	RCP	890.21	889.98	0.47	1
601-600	158	36	RCP	889.98	889.48	0.32	-8
656-655	29	12	RCP	891.05	890.98	0.24	
655-642	147	12	RCP	890.98	889.89	0.74	
713-EXIST.	49	12	RCP	901.18	900.83	0.51	
661-660	29	12	RCP	894.33	894	1.14	1
660-644	173	15	RCP	893.95	891.86	1.21	-1
676-675	68	24	RCP	892.64	891.91	1.07	-2
675-674	29	24	RCP	891.91	891.86	0.17	



674-673	74	24	RCP	891.86	891.79	0.09	2
673-672	14	24	RCP	891.79	891.65	1	-6
677-673	51	12	RCP	892.31	891.79	1.02	
657-655	56	12	RCP	892.38	890.98	2.5	1
640A-640B	37	12	RCP	891.51	889.46	2.03	-1

**RCP Pipe Totals:**

12	524
15	240
18	283
21	450
24	356
36	689

**Total:** 2542

**Open Ditch Totals:**

Open Ditch	219
<b>Total:</b>	<u>219</u>

The length of the drain due to the changes described above is now **2761 feet**.

The non-enforcement was approved by the Board at its meeting on November 28, 2005 and recorded under instrument #200500077026.

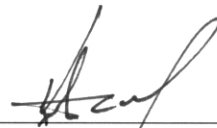
The following sureties were guaranteed by Bond Safeguard Insurance Co. and released by the Board on its September 8, 2008 meeting.

**Bond-LC No:** 5016377  
**Insured For:** Storm Sewers  
**Amount:** \$304,776  
**Issue Date:** April 22, 2005

**Bond-LC No:** 5016376  
**Insured For:** Erosion Control  
**Amount:** \$50,400  
**Issue Date:** April 22, 2005

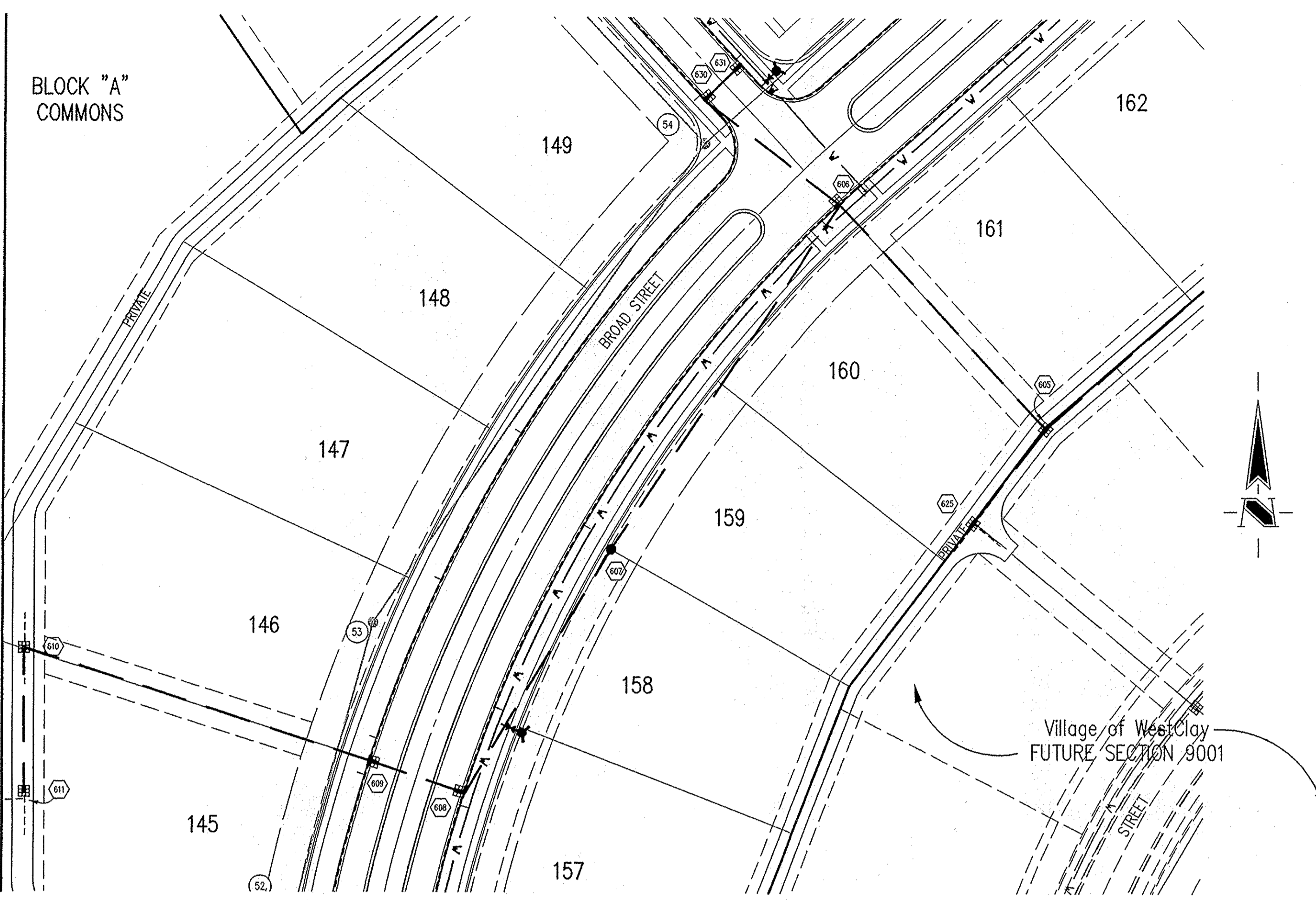
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,



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

KCW/slm



NOTE:  
CONNECT EXISTING DRAIN  
TILES TO STRUCTURE 611.  
FIELD VERIFY PRIOR TO  
CONSTRUCTION. NOTIFY  
ENGINEER OF ANY  
DISCREPANCIES.

**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.

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/DETAILS**

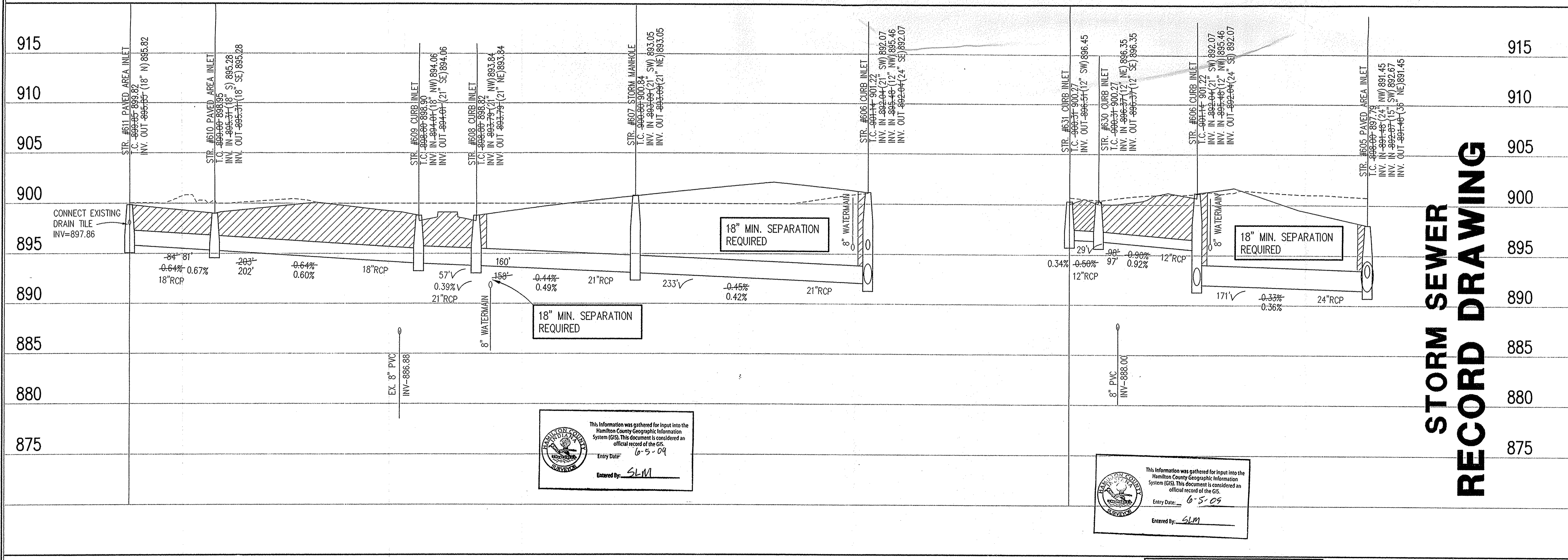
Sheet	Detail Number	Description
C803	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C803	2	Straight Curb Inlet Detail
C803	3	Baseline Inlet Detail
C803	4	Paved Area Inlet
C803	2	Storm Manhole Detail
C803	8	Precast Concrete End Section
C803	9	RipRap Detail @ End Section
C803	10	STC900 Precast Concrete Stormceptor

**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**

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: 6-5-09  
Entered By: SLM

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Entry Date: 6-5-09  
Entered By: SLM

**STORM SEWER PROFILE**

**LEGEND**

Existing Grade	New Grade	Granular Backfill

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

REVISIONS:  
1. BEL 3/20/04. REVISION PER TAC AND CLIENT COMMENTS.  
2. DCC 3/20/04. REVISION PER TAC COMMENTS.  
3. DCC 3/20/04. REVISION PER TAC COMMENTS.  
4. DCC 3/20/04. REVISION PER TAC COMMENTS.  
5. BEL 4/16/04. REVISION DRAWING

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

*Brandon T. Burke*  
DATE: 11/30/04  
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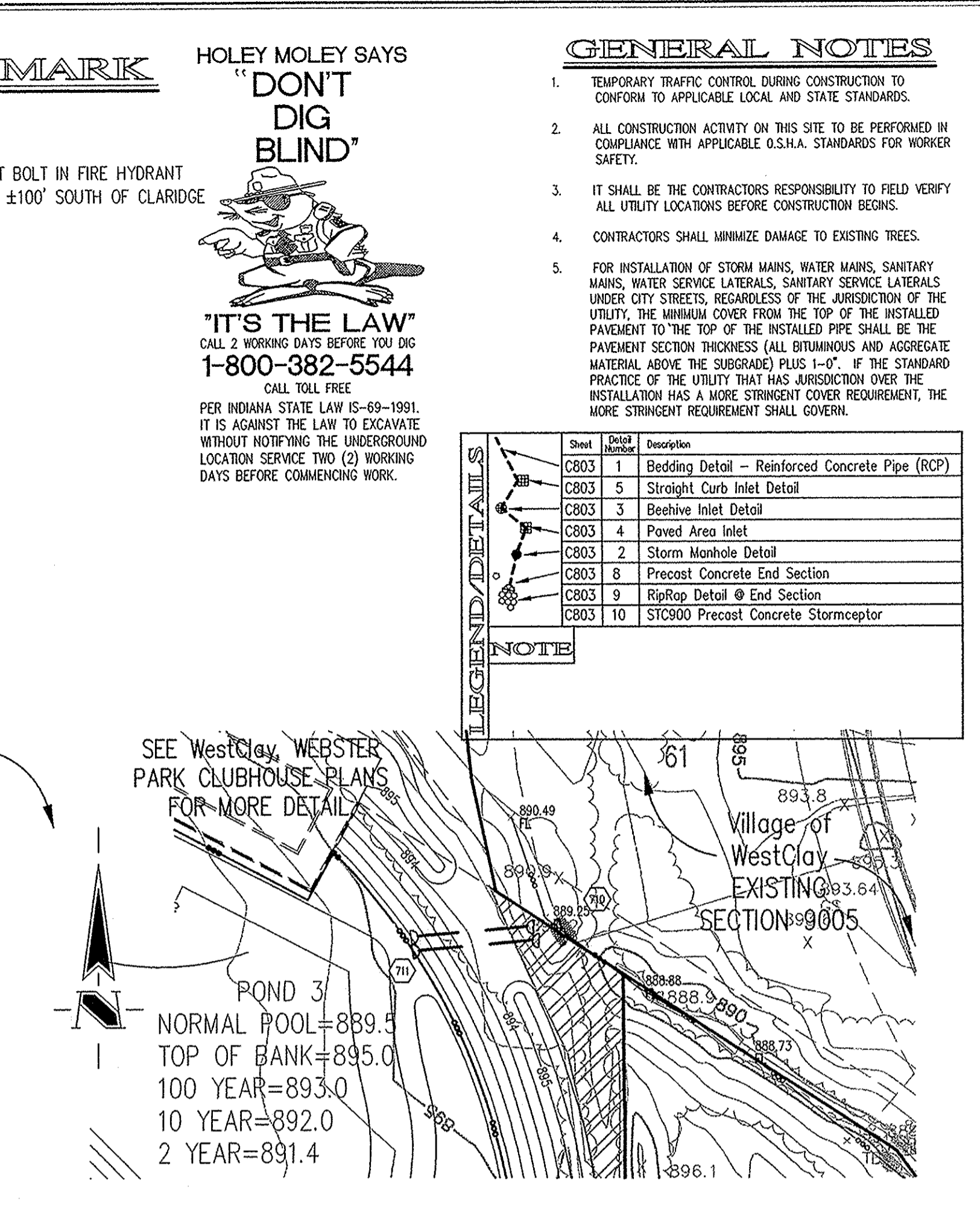
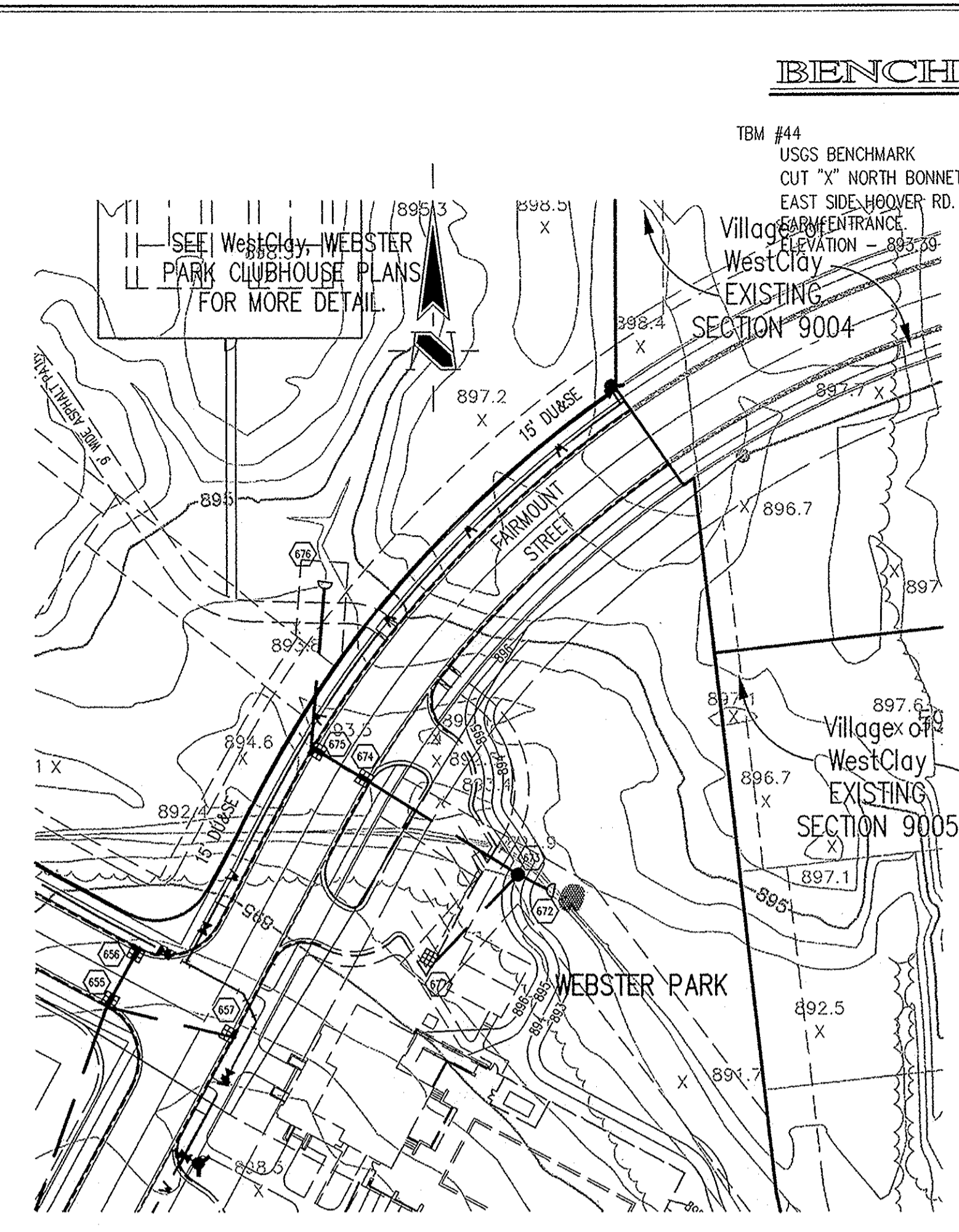
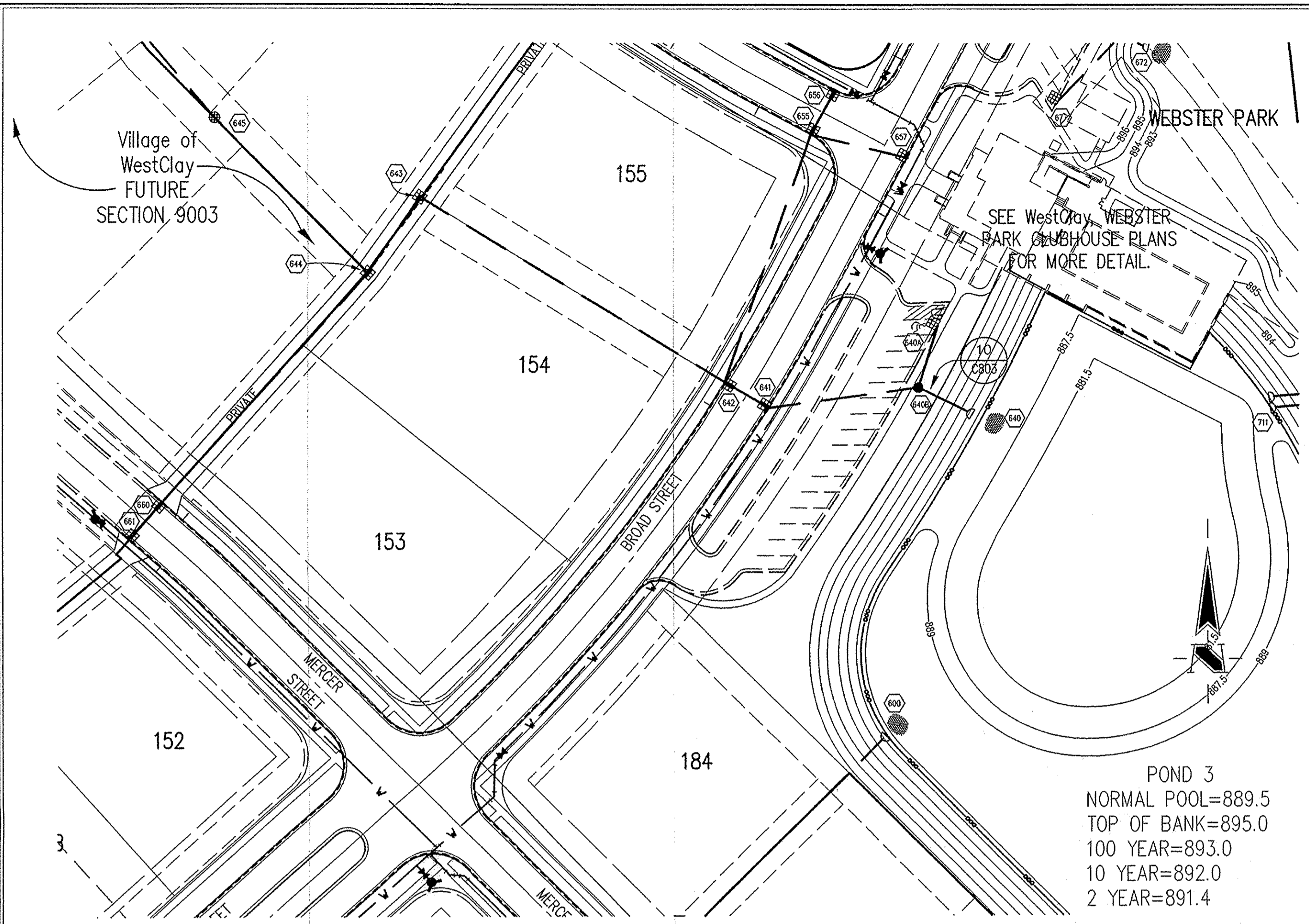
**Schneider**

THE SCHNEIDER CORPORATION  
12821 E. New Market Street  
Suite 100  
Carmel, IN 46032  
Telephone: 317.569.8112  
Fax: 317.826.6410  
www.schneidercorp.com

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

Village of WestClay  
SECTION 10012  
CARMEL, INDIANA  
BRENNICK DEVELOPMENT CO.  
CARMEL, INDIANA

DATE: 11/30/04 PROJECT NO.: 1238.1012  
DRAWN BY: DCC CHECKED BY:  
SHEET TITLE: STORM SEWER PLAN & PROFILE  
DRAWING FILES:  
N:\1238\1012\DWG\C601-604.DWG  
XREF: 1012-BS.DWG, 9001-BS.DWG  
XREF: 9002-BS.DWG, 9003-BS.DWG  
XREF: 9004-BS.DWG, 9005-BS.DWG  
XREF: STORM.DWG  
XREF: C616.DWG  
SHEET NO.:  
**C601**



**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.
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**LEGEND/DETAILS**

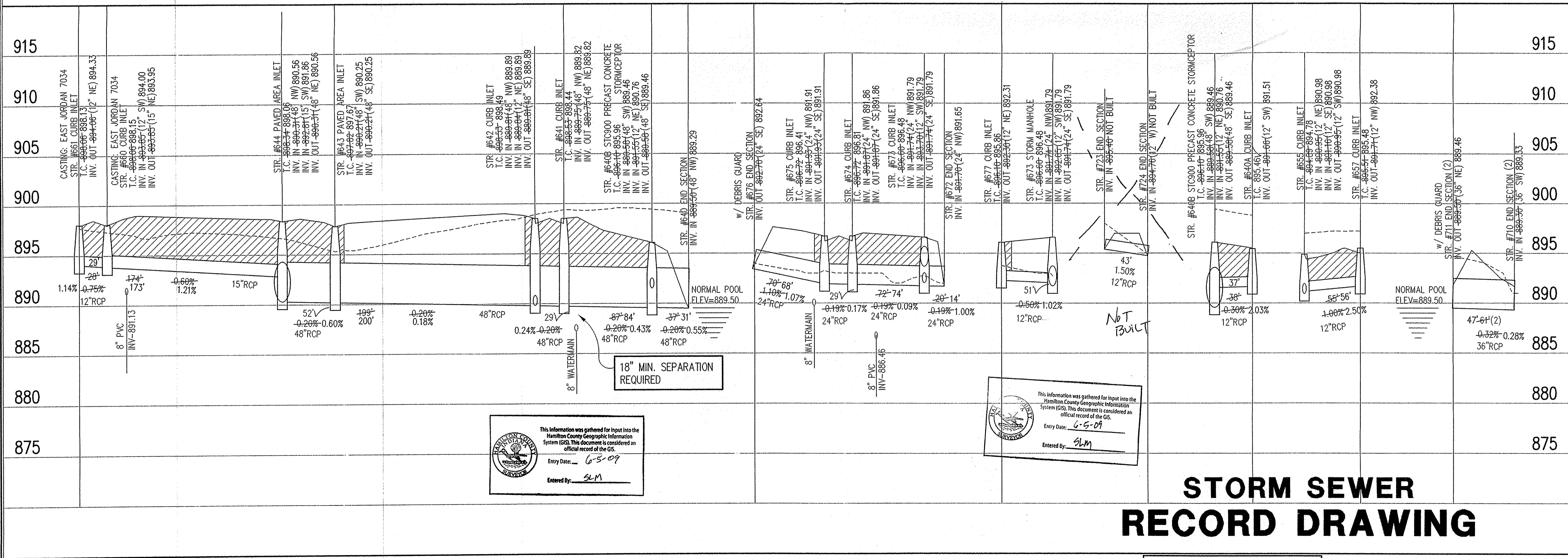
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C603	5	Straight Curb Inlet Detail
C603	3	Beehive Inlet Detail
C603	4	Paved Area Inlet
C603	2	Storm Manhole Detail
C603	8	Precast Concrete End Section
C603	9	Riprap Detail @ End Section
C603	10	STC900 Precast Concrete Stormceptor

**POND 3**  
 NORMAL POOL=889.5  
 TOP OF BANK=895.0  
 100 YEAR=893.0  
 10 YEAR=892.0  
 2 YEAR=891.4

**POND 3**  
 NORMAL POOL=889.5  
 TOP OF BANK=895.0  
 100 YEAR=893.0  
 10 YEAR=892.0  
 2 YEAR=891.4

**STORM SEWER PLAN**

SCALE: 1"=50'



**18" MIN. SEPARATION REQUIRED**

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: 6-5-09  
 Entered By: SLM

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 Entered By: SLM

**STORM SEWER RECORD DRAWING**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

REVISIONS:  
 1. REV. 10/27/06, REVISED PER TAC AND CLIENT COMMENTS.  
 2. DEC. 3/25/06, REVISED PER I.C.S. COMMENTS.  
 3. DEC. 3/25/06, REVISED PER I.C.S. COMMENTS.  
 4. DEC. 3/25/06, REVISED PER I.C.S. COMMENTS.  
 5. BET. 10/27/06, REVISED PER CLIENT (METALINS IMPACT).  
 6. DEC. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 7. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 8. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 9. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 10. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 11. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 12. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 13. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 14. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 15. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 16. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 17. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 18. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 19. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).  
 20. BET. 4/6/06, REVISED PER CLIENT (METALINS IMPACT).

**BRANDON T. BURKE**  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 10000075  
 STATE OF INDIANA  
 DATE: 11/30/04  
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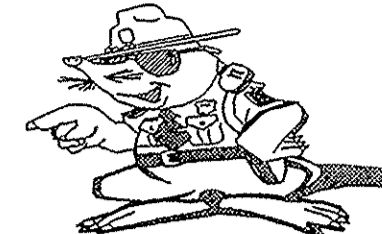
**Schneider**  
 THE SCHNEIDER CORPORATION  
 12821 E. New Market Street  
 Suite 100  
 Carmel, IN 46032  
 Telephone: 317.569.8112  
 Fax: 317.826.6410  
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 Architecture  
 Civil Engineering  
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 Geotechnical Services  
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 Home Builder Services  
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 Transportation Engineering

Village of WestClay  
 SECTION 10012  
 CARMEL, INDIANA  
 BRENNICK DEVELOPMENT CO.  
 CARMEL, INDIANA

DATE: 11/30/04	PROJECT NO.: 1238.1012
DRAWN BY: DCC	CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: H:\238\1012\DWG\CS01-804.DWG XREF: 1012-BS.DWG, 9001-BS.DWG XREF: 9002-BS.DWG, 9003-BS.DWG XREF: 9004-BS.DWG, 9005-BS.DWG XREF: STORM.DWG XREF: CA16.DWG	
SHEET NO.:	

**C603**

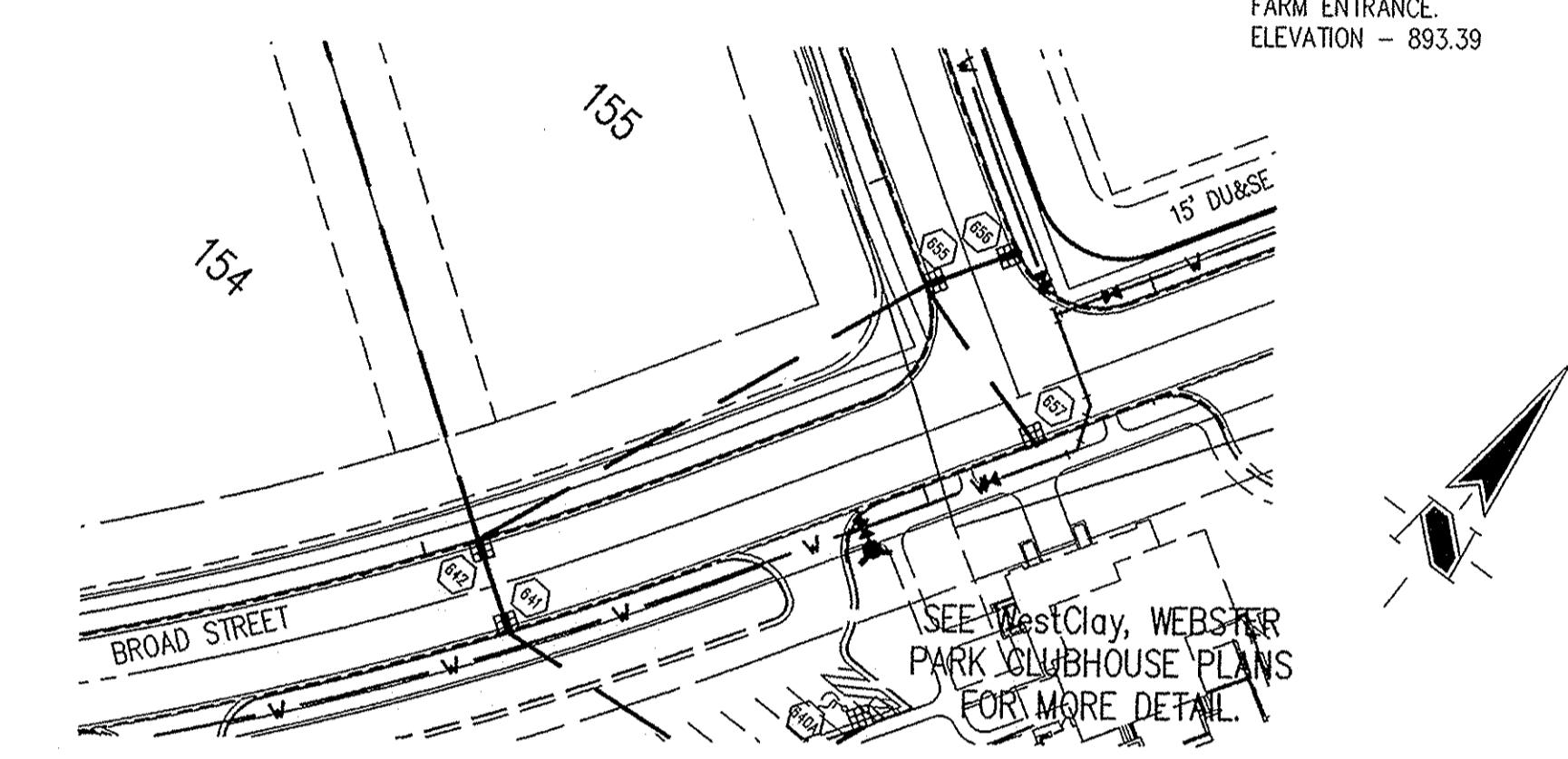
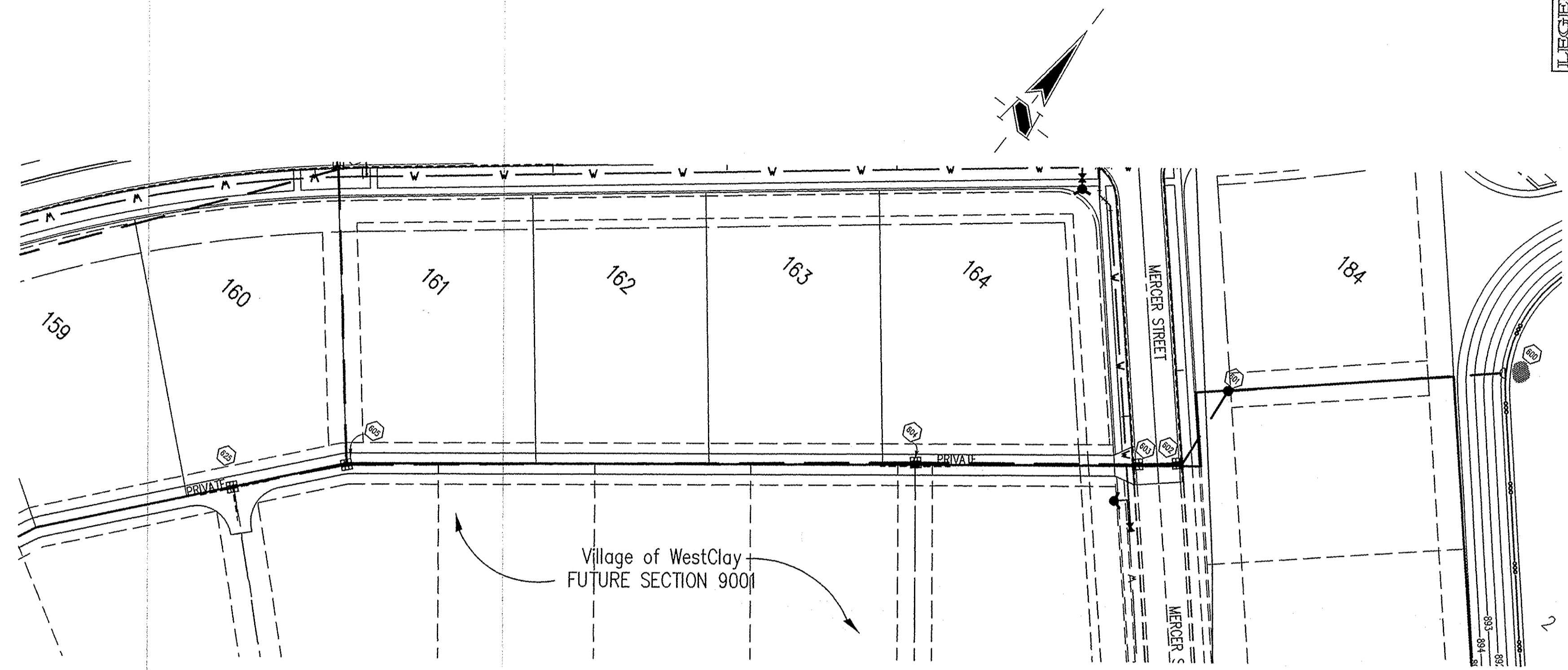
Sheet	Date	Description
C603	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C603	5	Straight Curb Inlet Detail
C603	3	Beehive Inlet Detail
C603	4	Paved Area Inlet
C603	2	Storm Manhole Detail
C603	8	Precast Concrete End Section
C603	9	RipRap Detail @ End Section
C603	10	STC900 Precast Concrete Stormceptor

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-89-1991.  
 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.
  - 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.

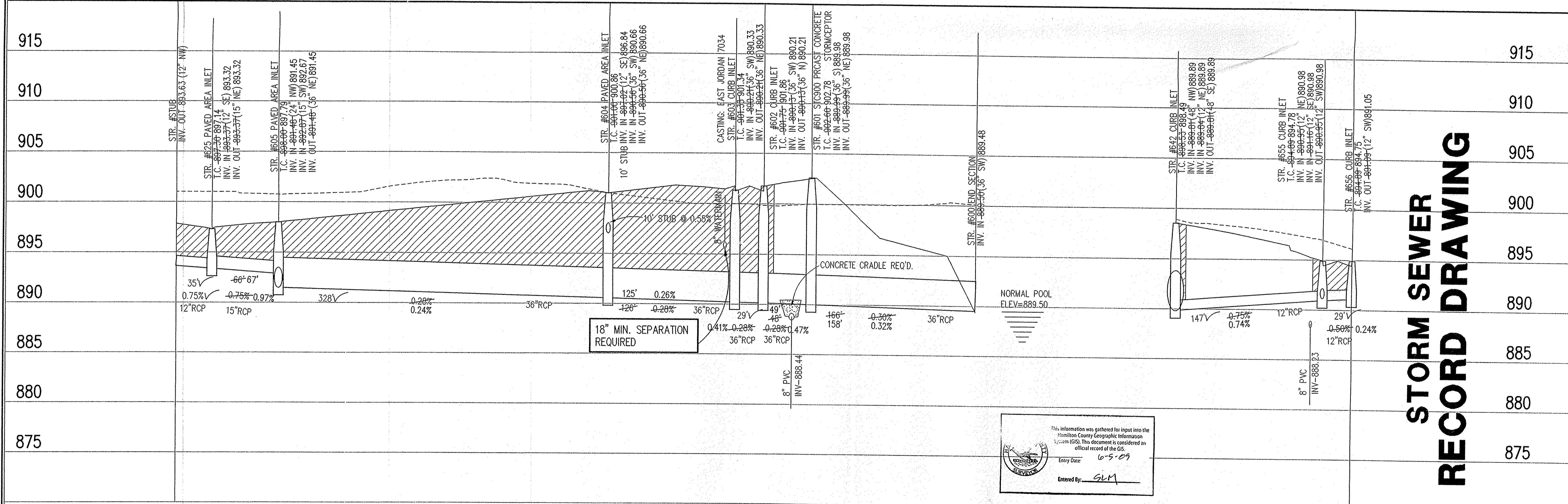
**BENCHMARK**

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:  $\frac{HORIZ.: 1"=50'}{VERT.: 1"=5'}$

REVISIONS FOR THE RECORD DRAWING:  
 1. DCC 11/30/04 REVISION PER A.C.S.W.C.O. COMMENTS  
 2. DCC 11/30/04 REVISION PER A.C.S.W.C.O. COMMENTS  
 3. DCC 11/30/04 REVISION PER A.C.S.W.C.O. COMMENTS  
 4. DCC 11/30/04 REVISION PER A.C.S.W.C.O. COMMENTS  
 5. DCC 11/30/04 REVISION PER A.C.S.W.C.O. COMMENTS

BRANDON T. BUNK  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 10000075  
 STATE OF INDIANA  
 DATE: 11/30/04  
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 H:\1238\1012\DWG\C601-604.DWG  
 XREF: 1012-BS.DWG, 9001-BS.DWG  
 XREF: 9002-BS.DWG, 9003-BS.DWG  
 XREF: 9004-BS.DWG, 9005-BS.DWG  
 XREF: STORM.DWG  
 XREF: CA16.DWG  
 SHEET NO.: C602

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DAYS BEFORE COMMENCING WORK.

Sheet	Revised	Description
C603	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C603	5	Straight Curb Inlet Detail
C603	3	Beehive Inlet Detail
C603	4	Paved Area Inlet
C603	2	Storm Manhole Detail
C603	8	Precast Concrete End Section
C603	9	RigRap Detail @ End Section
C603	10	STC900 Precast Concrete Stormceptor

LEGEND/DETAILS

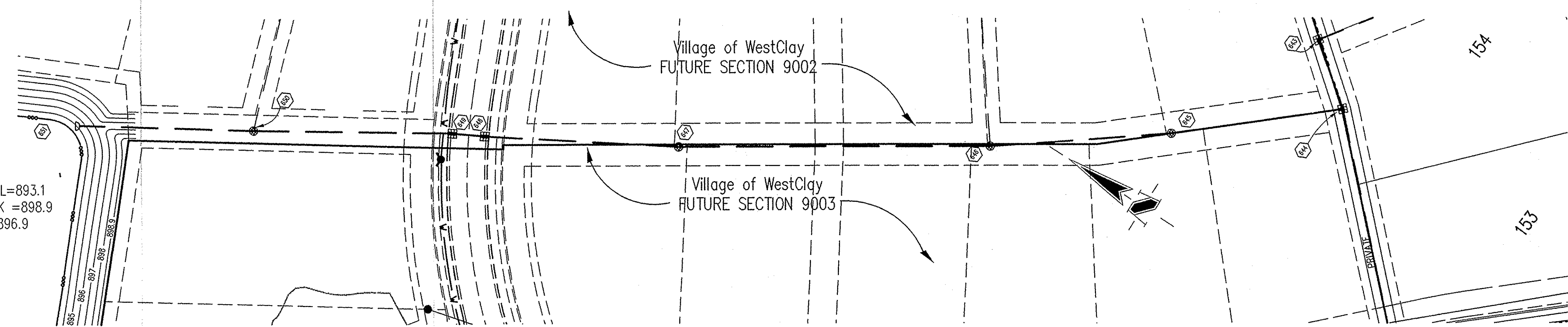
NOTE

**BENCHMARK**

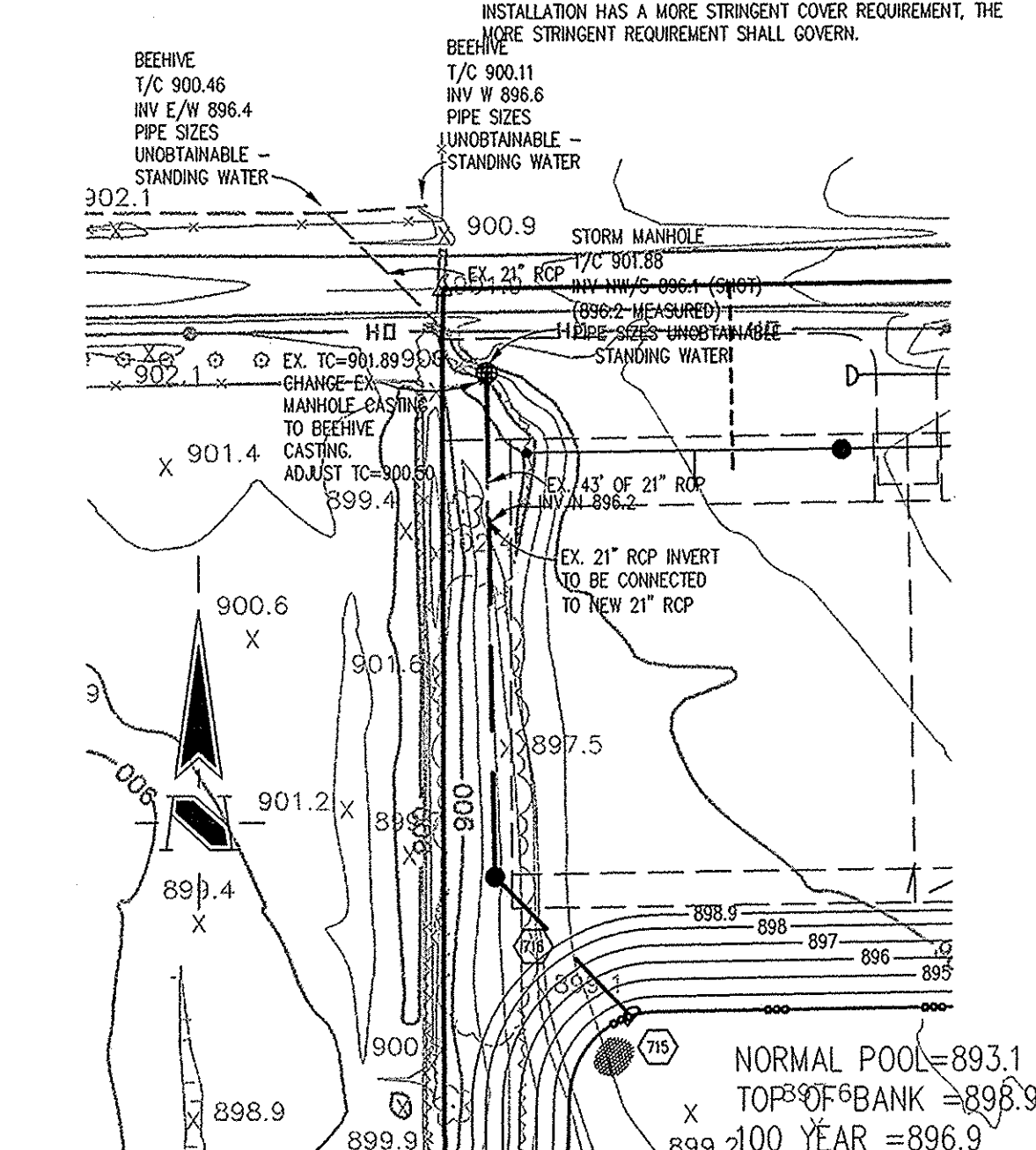
TBM #44  
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CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT  
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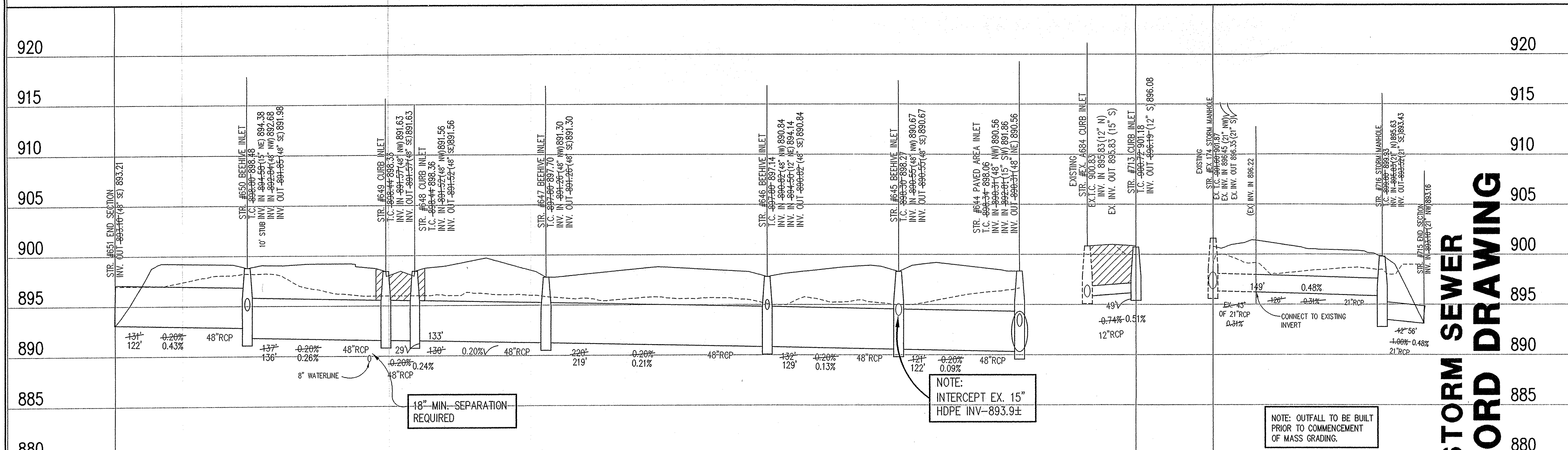


NORMAL POOL=893.1  
TOP OF BANK =898.9  
100 YEAR =896.9



**STORM SEWER PLAN**

SCALE: 1"=50'



18" MIN. SEPARATION REQUIRED

NOTE:  
INTERCEPT EX. 15"  
HDPE INV-893.9±

NOTE: OUTFALL TO BE BUILT  
PRIOR TO COMMENCEMENT  
OF MASS GRADING.

**STORM SEWER  
RECORD  
DRAWING**

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: 6-5-09  
Entered By: SLM

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Entry Date: 6-5-09  
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**STORM SEWER PROFILE**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

REVISIONS:  
1. BET. 2/7/06, REVISED PER TAC AND CLIENT COMMENTS  
2. BET. 3/27/06, REVISED PER TAC COMMENTS  
3. BET. 4/16/06, REVISED PER TAC COMMENTS  
4. BET. 4/16/06, RECORD DRAWING

BRADON T. BURK  
REGISTERED PROFESSIONAL ENGINEER  
No. 10000075  
STATE OF INDIANA  
DATE: 11/20/04  
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XREF: 9004-B5.DWG, 9005-B5.DWG  
XREF: STORM.DWG  
XREF: CA16.DWG  
SHEET NO.: C604