

Drain: VILLAGES AT WEST CLAY CREEK **Drain #:** 312
Improvement/Arm: SECTION 9006 A+B
Operator: JOH **Date:** 6-21-04
Drain Classification: Urban/Rural **Year Installed:** 2003

GIS Drain Input Checklist

- Pull Source Documents for Scanning 92
- Digitize & Attribute Tile Drains _____
- Digitize & Attribute Storm Drains _____
- Digitize & Attribute SSD _____
- Digitize & Attribute Open Ditch _____
- Stamp Plans _____
- Sum drain lengths & Validate _____
- Enter Improvements into Posse _____
- Enter Drain Age into Posse _____
- Sum drain length for Watershed in Posse _____
- Check Database entries for errors _____

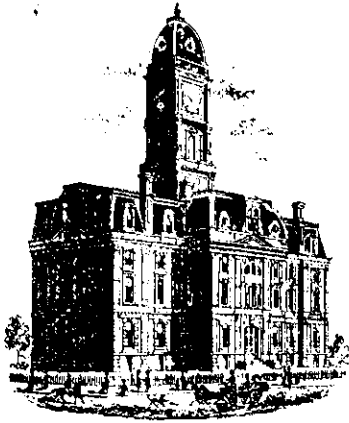
**Gasb 34 Footages for Historical Cost
Drain Length Log**

Drain-Improvement: Elliott Creek: Villages of West Clay Sec. 9006 A; B

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	48"	96'	96'	✓	\$66.55/lf	\$6,388.80
Open	-	294'	294'	✓	\$1955/lf	\$5747.70
Sum:		<u>390'</u>	<u>390'</u>			<u>\$12,136.50</u>

Final Report: 390'

Comments:
Correction from previous value - open ditch was only portion valued.
5-3-05



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

October 17, 2003^{e 188}

One Hamilton County Square

Noblesville, Indiana 46060-2230

TO: Hamilton County Drainage Board

RE: Village of West Clay Drain, Section 9006 A & B 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 9006 A & B 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:

6" SSD	247 ft.	18" RCP	208 ft.	27" RCP	190 ft.
12" RCP	386 ft.	21" RCP	285 ft.	30" RCP	500 ft.
15" RCP	141 ft.	24" RCP	190 ft.		

The total length of the drain will be ~~2,600~~^{2,147'} feet.

The retention pond located Commons "C" Ice Pond is to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond, such as mowing, will be the responsibility of the Homeowners Association. The Board will also 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. Only the main SSD line within the drainage easement in the rear of lots 71-79 are to be part of the Regulated Drain. Laterals for individual lots will not be considered 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, \$ 5.00 per acre for roadways, with a \$120.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$3,366.30.

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/Letter of Credit are as follows:

Agent: Bond Safeguard Insurance Co.
Date: August 26, 2003
Number: 5005750
For: Storm Sewers
Amount: \$ 146,164.00

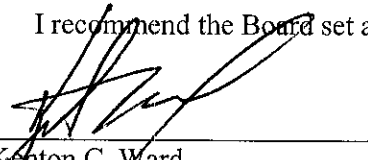
Agent: Bond Safeguard Insurance Co.
Date: August 26, 2003
Number: 5006601
For: Erosion Control
Amount: \$ 28,000.00

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 requests. The request are for the reduction of the regulated drain easement to those easement widths as shown on the secondary plats for Village of West Clay Section 9006 A & B as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 24, 2003



Kenton C. Ward
Hamilton County Surveyor

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 9006-B 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

KEITH LASH PLEJURE DEVELOPMENT CO.
 Printed Name VP OPERATIONS

 Signed

 Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE _____

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

In the matter of Village of WestClay Subdivision,
Section 9006-A 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

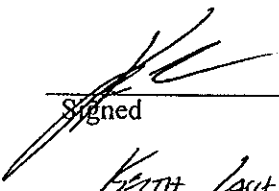
Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

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
KEITH LAIT *BRANWICH DEPARTMENT*

Printed Name *UP OPERATIONS*

Signed

Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE _____

BRENWICK

August 22, 2003

Mr. Steve Cash
Hamilton County Surveyor's Office
One Hamilton County Square, Suite 188
Noblesville, IN 46060

Re: Village of WestClay, Section 9006-A&B

Dear Steve:

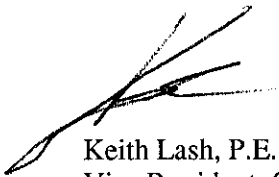
Please allow this to serve as the Engineer's Estimate for Erosion Control and Centerline Monuments and Markers for the above referenced section.

Erosion Control - \$28,000
Monuments and Markers - \$1650.00

The above estimate is based on the Construction Plans prepared by The Schneider Corporation dated 06/30/03. Should you have any questions regarding this estimate please feel free to contact me at your convenience at 574-3400.

Sincerely,

BRENWICK DEVELOPMENT COMPANY, INC.



Keith Lash, P.E.
Vice President, Operations



M:\shared\Operations\WestClay\9006\9006engest.doc

BOND SAFEGUARD INSURANCE COMPANY

SUBDIVISION PERFORMANCE BOND



HCD B 2003-00071

Bond # 5006602

KNOW ALL MEN BY THESE PRESENTS, That we, Brenwick Development Company, Inc., 12821 East New Market Street, Carmel, IN 46032, as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Ave., Bldg. A, Suite 300, Lombard, IL 60148, as Surety, are held and firmly bound unto Board of Commissioners of Hamilton County, One County Square, Noblesville, IN 46060, in the sum of ****One Thousand Six Hundred Fifty & 00/100**** Dollars (\$1,650.00), for payment of which we firmly bind ourselves, our heirs, executors, administrators, and assigns.

THE CONDITION OF THIS BOND is such that if the said Principal shall complete the construction of Monuments and Markers in Village of WestClay, Section 90006-A&B, 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 26th Day of August, 2003.

Attest:

Brenwick Development Company, Inc.

By: _____

By:  _____

KEITH LASH, VP OPERATIONS

Witness:

Bond Safeguard Insurance Company

By: Lina Juncosak

By:  _____

Deborah M. Roth, Attorney-in-Fact

BOND SAFEGUARD INSURANCE COMPANY



SUBDIVISION PERFORMANCE BOND

HCDB-2003-00070

Bond # 5006601

KNOW ALL MEN BY THESE PRESENTS, That we, Brenwick Development Company, Inc., 12821 East New Market Street, Carmel, IN 46032, as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Ave., Bldg. A, Suite 300, Lombard, IL 60148, as Surety, are held and firmly bound unto Board of Commissioners of Hamilton County, One County Square, Noblesville, IN 46060, in the sum of ****Twenty Eight Thousand & 00/100**** Dollars (\$28,000.00), for payment of which we firmly bind ourselves, our heirs, executors, administrators, and assigns.

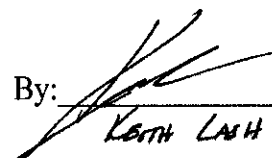
THE CONDITION OF THIS BOND is such that if the said Principal shall complete the construction of Erosion Control in Village of WestClay, Section 90006-A&B, according to the approved plans and specifications on file with the Board of Commissioners of Hamilton County, then this obligation is null and void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seal this 26th Day of August, 2003.

Attest:

Brenwick Development Company, Inc.


By: _____

By:  _____
Keith Lash VP Operations

Witness:

Bond Safeguard Insurance Company

By: Jim Fincoat

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

BOND SAFEGUARD INSURANCE COMPANY



SUBDIVISION PERFORMANCE BOND

HCDB 2003-00072

Bond # 5005750

KNOW ALL MEN BY THESE PRESENTS, That we, Brenwick Development Company, Inc., 12821 East New Market Street, Carmel, IN 46032, as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Ave., Bldg. A, Suite 300, Lombard, IL 60148, as Surety, are held and firmly bound unto Board of Commissioners of Hamilton County, One County Square, Noblesville, IN 46060, in the sum of ****One Hundred Forty Six Thousand One Hundred Sixty Four & 00/100**** Dollars (\$146,164.00), for payment of which we firmly bind ourselves, our heirs, executors, administrators, and assigns.

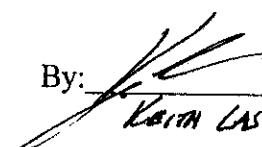
THE CONDITION OF THIS BOND is such that if the said Principal shall complete the construction of Storm Sewers in Village of WestClay, Section 90006-A&B, according to the approved plans and specifications on file with the Board of Commissioners of Hamilton County, then this obligation is null and void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seal this 26th Day of August, 2003.

Attest:

Brenwick Development Company, Inc.

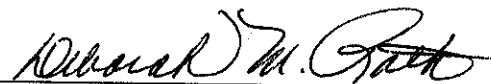
By: _____

By:  _____
KEITH LASH VP OPERATIONS

Witness:

Bond Safeguard Insurance Company

By:  _____

By:  _____

Deborah M. Roth, Attorney-in-Fact

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR
RE: Village of West Clay Section 9006 A & B

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. To the best of my knowledge, information and belief, the Drainage Facilities within the subdivision has been installed and completed in conformity with all plans and specifications.

Signature: Brandon T. Burke Date: 1-10-05

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

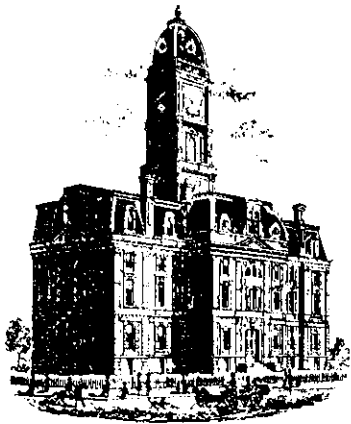
INDIANA REGISTRATION NUMBER

PE 10000075

SEAL



JAN 10 2005



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

To: Hamilton County Drainage Board

May 13, 2005

Re: Villages of West Clay Drain: Sec. 9006 A&B

Attached are as-builts, certificate of completion & compliance, and other information for Village of West Clay Section 9006 A & B. 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 17, 2003. The report was approved by the Board at the hearing held November 24, 2003. (See Drainage Board Minutes Book 7, Pages 251-252) The changes are as follows:

Structure:	Length:	Size:	Material:	Up Invert:	Dn Invert	Grade:	Changes:
605-604	211	27	RCP	890.67	890.25	0.2	
604-603	492	27	RCP	890.25	888.42	0.37	
603-602	307	30	RCP	888.42	886.81	0.52	2
602-601	108	30	RCP	886.81	886.54	0.25	-24
601-600	80	30	RCP	886.54	885.99	0.69	17
624-622	192	21	RCP	892.15	891.44	0.37	
622-621	29	24	RCP	891.44	891.35	0.31	
621-605	191	24	RCP	891.35	890.67	0.36	1
619-618	134	12	RCP	896.42	893.84	1.93	-1
618-604	144	12	RCP	893.79	890.25	2.46	
611-610	29	12	RCP	888.21	888.12	0.31	
610-602	169	12	RCP	888.12	886.81	0.78	
617-616	158	12	RCP	892.03	890.2	1.16	-1
616-614	142	15	RCP	890.2	889.89	0.22	1
614-612	55	18	RCP	889.84	889.58	0.47	-2
612-603	211	18	RCP	889.58	888.42	0.55	2
615-614	28	12	RCP	890.48	890.19	1.04	-1
646-645	77	21	RCP	886.03	885.38	0.84	-1

6" SSD Lots:

82-77	570
Total:	570

RCP Pipe Totals:

12	662
15	142
18	266
21	269

24	220
27	703
30	495
Total:	2757

The length of the drain due to the changes described above is now **3,327 feet**.

The non-enforcement was approved by the Board at its meeting on November 24, 2003 and recorded under instrument #200400041621.

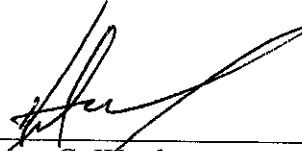
The following sureties were guaranteed by Bond Safeguard and released by the Board on its May 9, 2005 meeting.

Bond-LC No: 5005750
Insured For: Storm Sewers
Amount: \$146,164
Issue Date: August 26, 2003

Bond-LC No: 5006601
Insured For: Erosion Control
Amount: \$28,000
Issue Date: August 26, 2003

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

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

SEC. 28-T18N-R3E

VILLAGE OF WESTCLAY SECTIONS 9006-A & B

(CONSTRUCTION PLANS)

HAMILTON COUNTY CARMEL, INDIANA

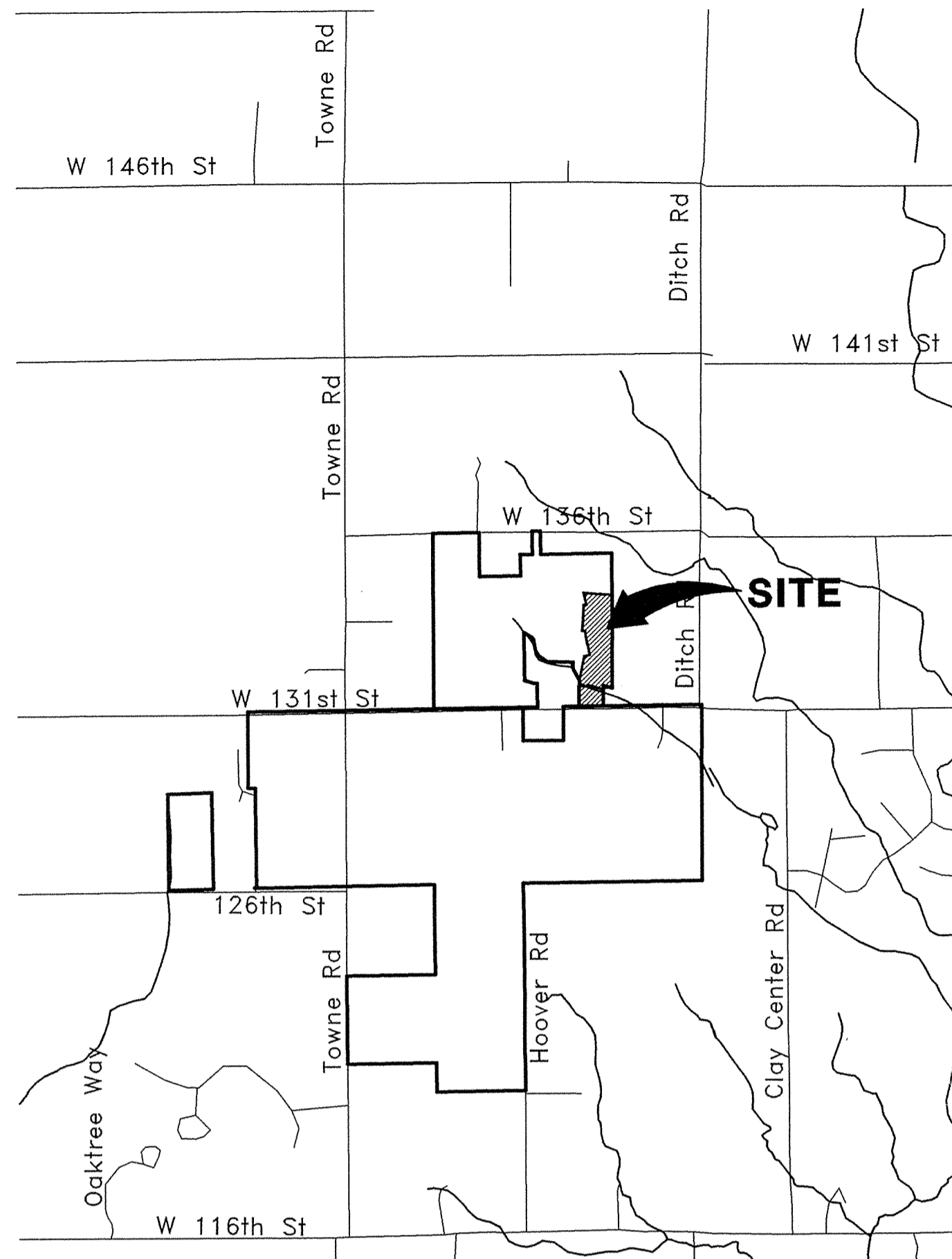
DEVELOPER:

BRENWICK DEVELOPMENT CO.

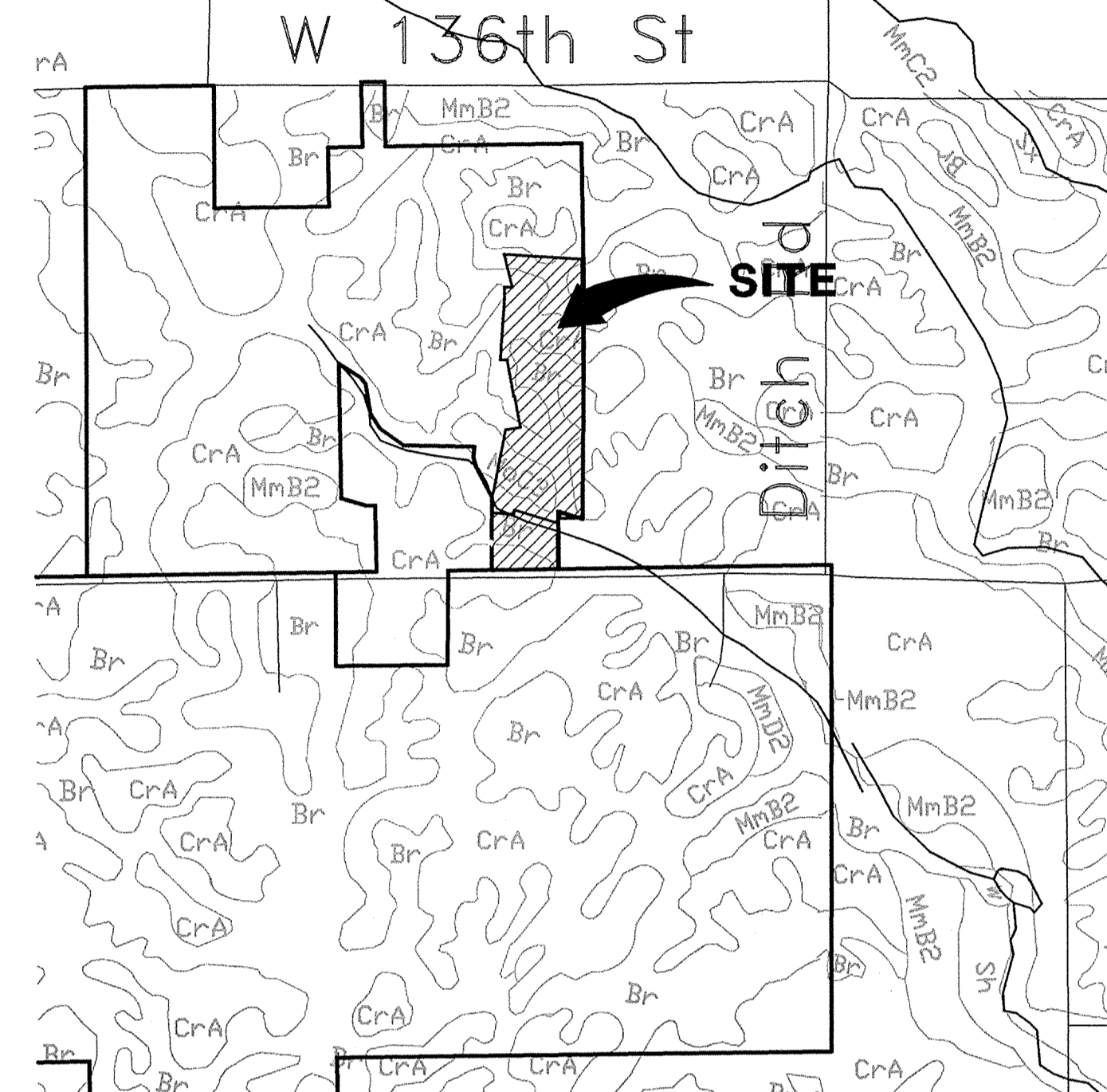
12821 E. NEW MARKET STREET, SUITE 200

CARMEL, INDIANA 46032

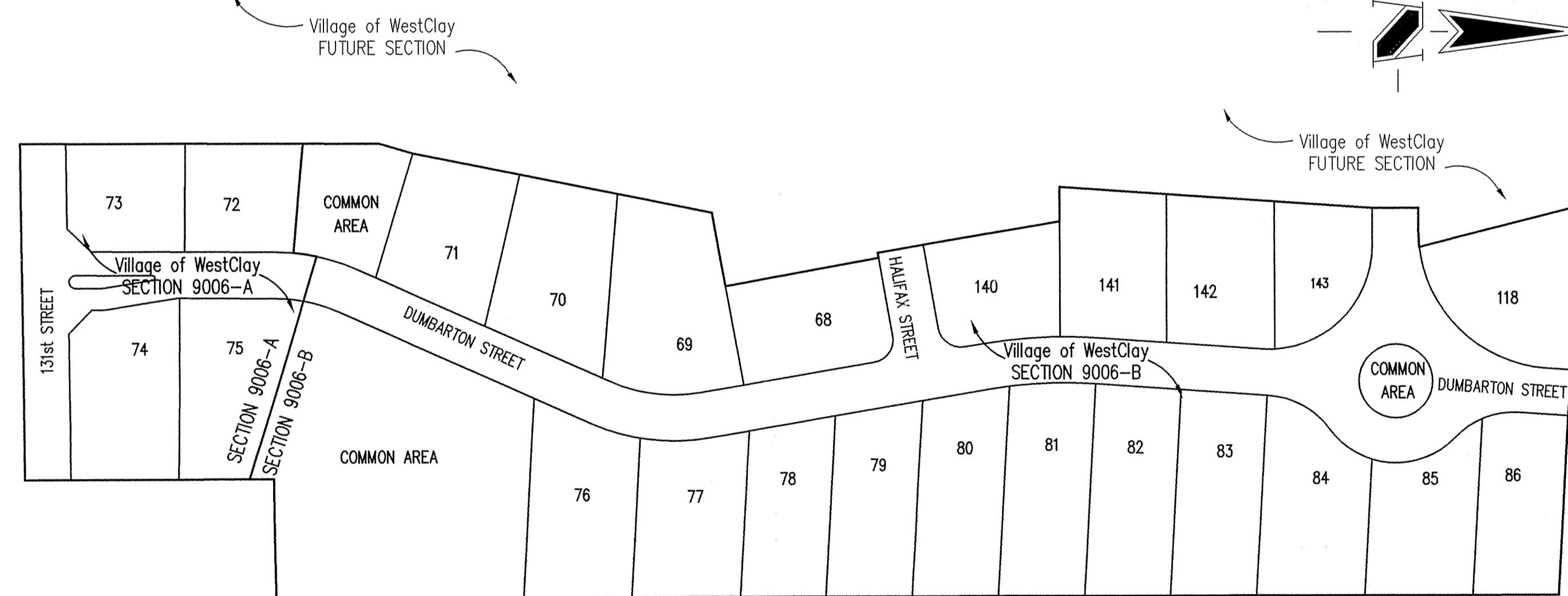
(317) 574-3400



AREA MAP
NOT TO SCALE



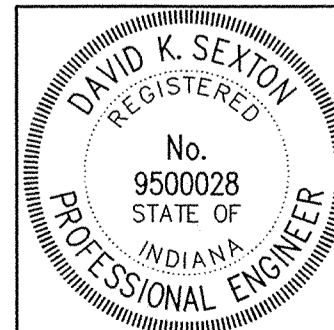
SOILS MAP
NOT TO SCALE



SITE MAP
SCALE: 1" = 120'

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *David K. Sexton*
DAVID K. SEXTON
THE SCHNEIDER CORPORATION
12821 E. NEW MARKET STREET, SUITE 200
CARMEL, INDIANA 46032
(317) 569-8112 FAX (317) 826-6410



**ROADWAY DESIGN
SPEED = 20MPH**

INDEX	
SHEET No.	DESCRIPTION
C100	COVER SHEET
C101-C102	DEVELOPMENT PLAN
C103-C104	EROSION CONTROL PLAN
C105	TRAFFIC CONTROL PLAN
C201-C202	STREET PLAN & PROFILE
C301	INTERSECTION DETAILS AND ENTRANCE PLAN
C302	MAINTENANCE OF TRAFFIC PLAN
C401-C402	SANITARY SEWER PLAN & PROFILE
C601-C603	STORM SEWER PLAN & PROFILE
C701-C703	WATER DISTRIBUTION PLAN
C704	WATER DETAILS AND SPECIFICATIONS
C801	GENERAL DETAILS
C802	EROSION CONTROL DETAILS
C803-C804	HAMILTON COUNTY DETAILS
C901	SPECIFICATIONS



This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 4-27-05

Entered by: SLM



12821 E. New Market Street
Suite 100
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

REVISIONS:	DATE:	BY:	DESCRIPTION:
	07/28/03	DCC	ALL SHEETS
	08/11/03	BET	C101, C201, C603 & C802
	08/21/03	BET	C101, C301, C302 & C801
	09/03/03	BET	C103 & C802
	11/03/03	BET	C101, C201, C603 & C801
	06/22/04	BTB	C101-102, C401-402, C601-603, C701-703
	7/02/04	DCC	"RECORD DRAWINGS"

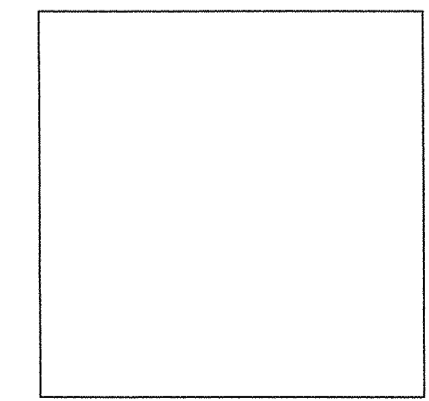
CERTIFIED BY: DAVID K. SEXTON
E-MAIL ADDRESS: dsenton@schneidercorp.com

PROJECT ENGINEER: _____

CHECKED BY: _____ DATE CHECKED: _____

**GRADING
SUB SURFACE DRAINAGE
SANITARY SEWER
STORM SEWER
WATERLINE
RECORD DRAWING**

THESE DOCUMENTS ARE SUBJECT TO PERIODIC REVISIONS BY THE SCHNEIDER CORPORATION. THE HOLDER IS RESPONSIBLE FOR VERIFYING THAT THESE DOCUMENTS ARE THE MOST CURRENT PRIOR TO USE.



DATE: _____

SHEET
C100
OF
24

© 2001, The Schneider Corporation

JOB No. 1238.9006

FOR CONTINUATION SEE SHEET C102

BENCHMARK

HOLEY MOLEY SAYS

"DON'T DIG BLIND"



"IT'S THE LAW" CALL 2 WORKING DAYS BEFORE YOU DIG 1-800-382-5544

PER INDIANA STATE LAW IS-69-1991. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

GENERAL NOTES

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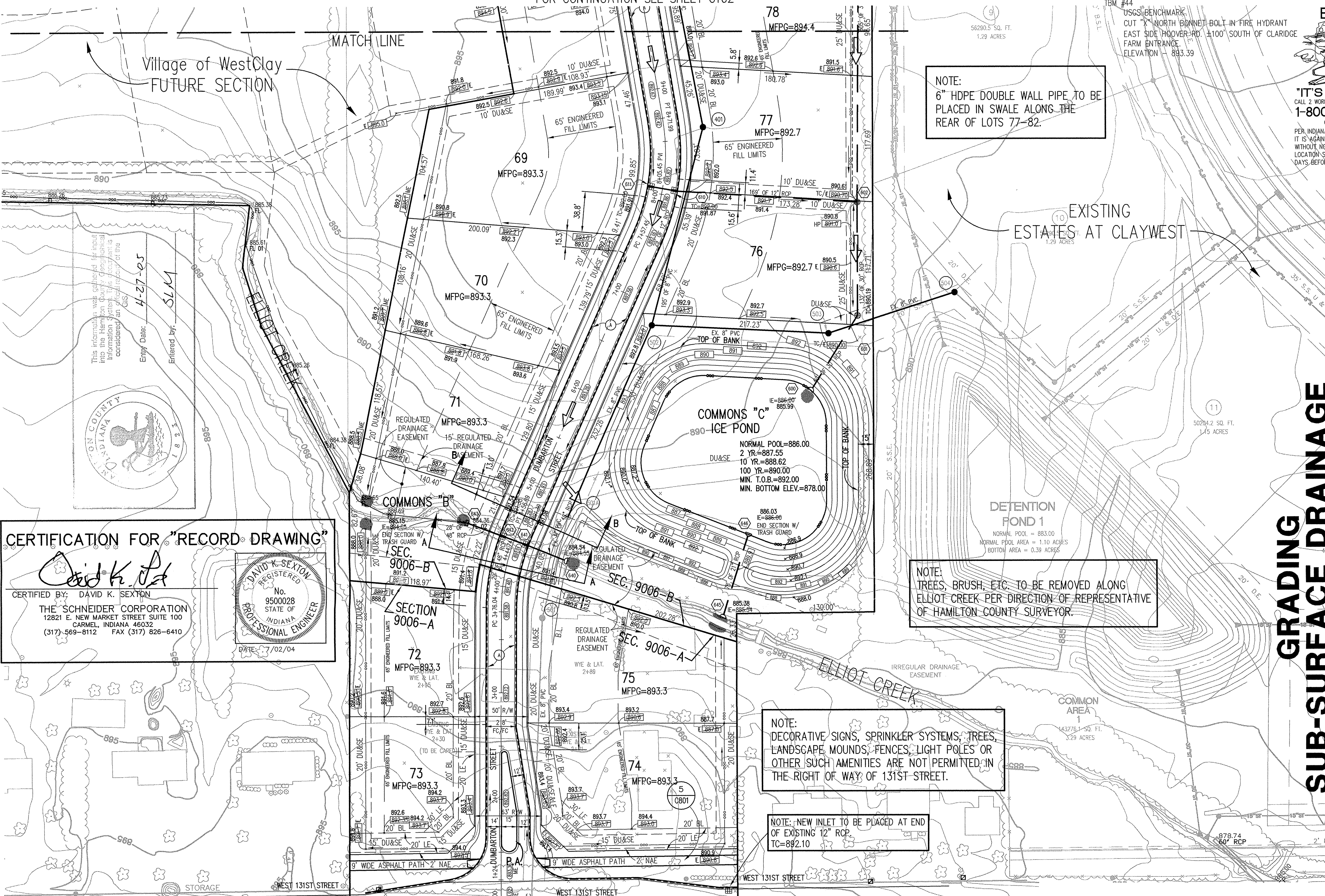
REVISIONS: 01/03/03 REVISED PER I.L.C. COMMENTS. 02/03/03 REVISED PER I.L.C. COMMENTS. 03/03/03 REVISED PER I.L.C. COMMENTS. 04/03/03 REVISED PER I.L.C. COMMENTS. 05/03/03 REVISED PER I.L.C. COMMENTS. 06/03/03 REVISED PER I.L.C. COMMENTS. 07/02/04 RECORD DRAWING.

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Village of WestClay SECTIONS 9006-A & B, CARMEL, INDIANA. BRENNICK DEVELOPMENT CO., CARMEL, INDIANA.

DATE: 6/30/03 PROJECT NO.: 1238.9006. DRAWN BY: CWD CHECKED BY: SHEET TITLE: DEVELOPMENT PLAN. DRAWING FILES: N:\1238\9006\DWG\C101-102.DWG, XREF: 9008BS.DWG, ESTATES-CWD.DWG, XREF: 9008S-E.DWG, XREF: 1009BS.DWG, 1501BS.DWG, XREF: 1503BS.DWG, XREF: C43.DWG, C414.DWG, XREF: C46.DWG, C417.DWG, XREF: C49.DWG, C420.DWG. SHEET NO.: C101



NOTE: 6" HDPE DOUBLE WALL PIPE TO BE PLACED IN SWALE ALONG THE REAR OF LOTS 77-82.

NOTE: TREES, BRUSH, ETC. TO BE REMOVED ALONG ELLIOT CREEK PER DIRECTION OF REPRESENTATIVE OF HAMILTON COUNTY SURVEYOR.

NOTE: DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES, LANDSCAPE MOUNDS, FENCES, LIGHT POLES OR OTHER SUCH AMENITIES ARE NOT PERMITTED IN THE RIGHT OF WAY OF 131ST STREET.

NOTE: NEW INLET TO BE PLACED AT END OF EXISTING 12" RCP. TC=892.10

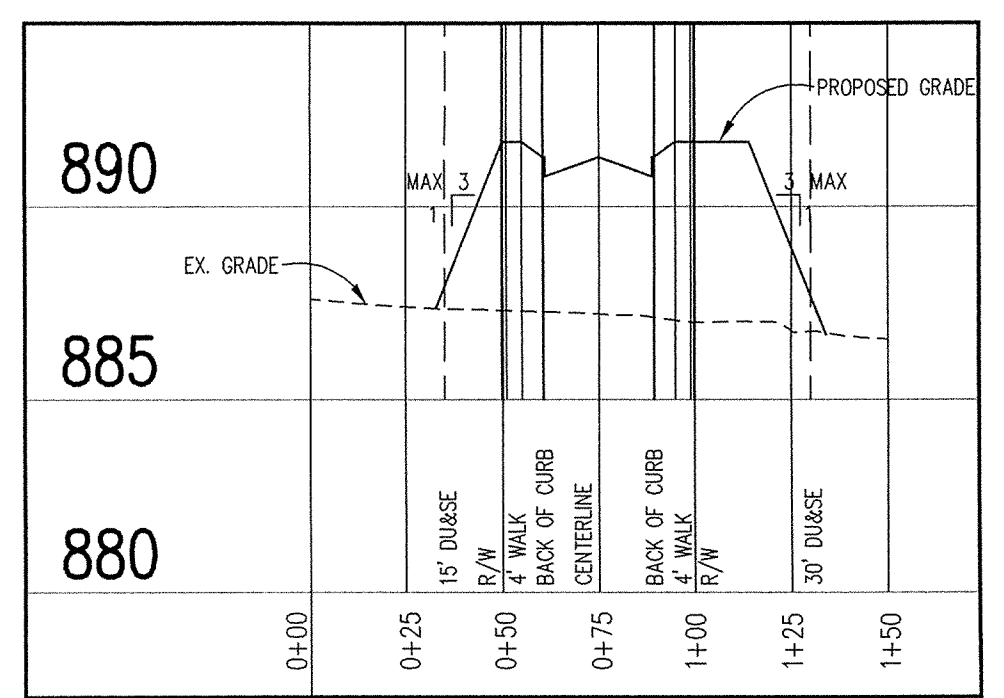
GRADING SUB-SURFACE DRAINAGE SANITARY SEWER STORM SEWER RECORD DRAWING

ASSUMED NORTH SCALE: 1"=50'

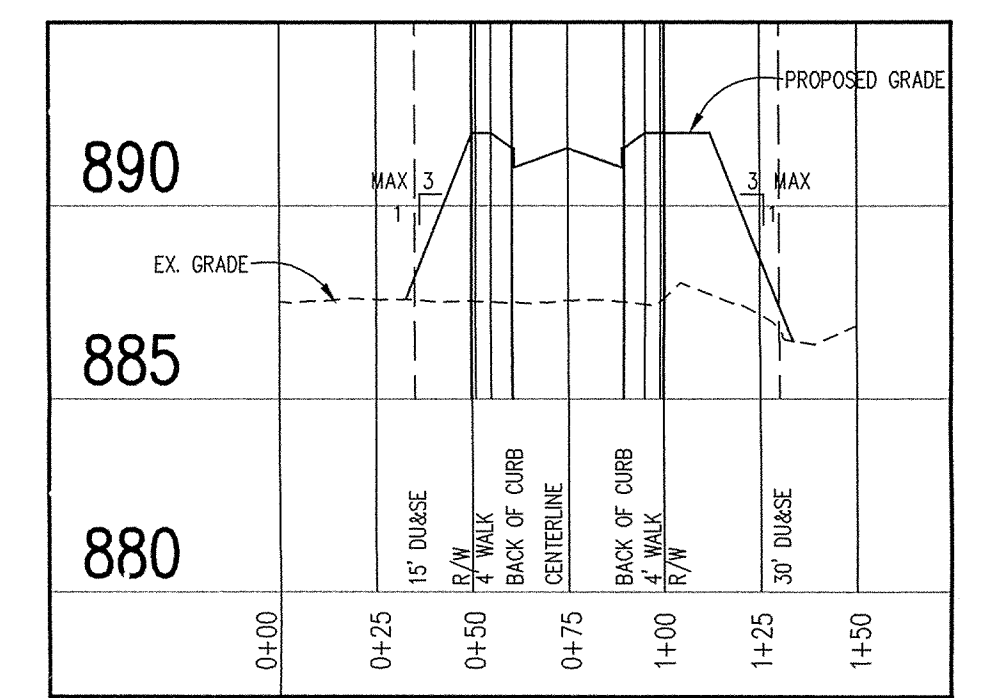
LEGEND: Existing Storm Sewer, New Storm Sewer, Existing Sanitary Sewer, New Sanitary Sewer, Existing Contour, Existing Elevation, New Pavement Grade, All Other Finish Grades, Match Existing Grades, Corrected Grades, Storm Structure Number, Sanitary Structure Number. Denotes Elevation and Approximate Pad Size. Flow Arrow, 4" Subsurface Drain, Swale (S), Water Main, Existing Trees, Existing Gas Main, Existing Telephone, Existing Water Main, Existing Flowline, Existing Overhead Utilities, 2' Chairback Curb with Gutter, 2' Chairback Curb without Gutter, MFCP Minimum Flood Protection Grade, Emergency Flood Routing.

NOTE: EXISTING SANITARY TOP OF CASTINGS TO BE ADJUSTED PER CHART DENOTED BELOW.

STRUCTURE NO.	EX. TC	NEW TC
501	887.1	892.20
501A	887.5	892.30
502	892.9	893.40
503	890.1	891.10



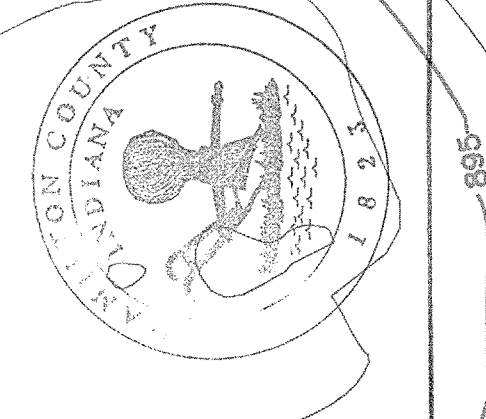
CROSS SECTION A-A STREET STATION 4+20.00 SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

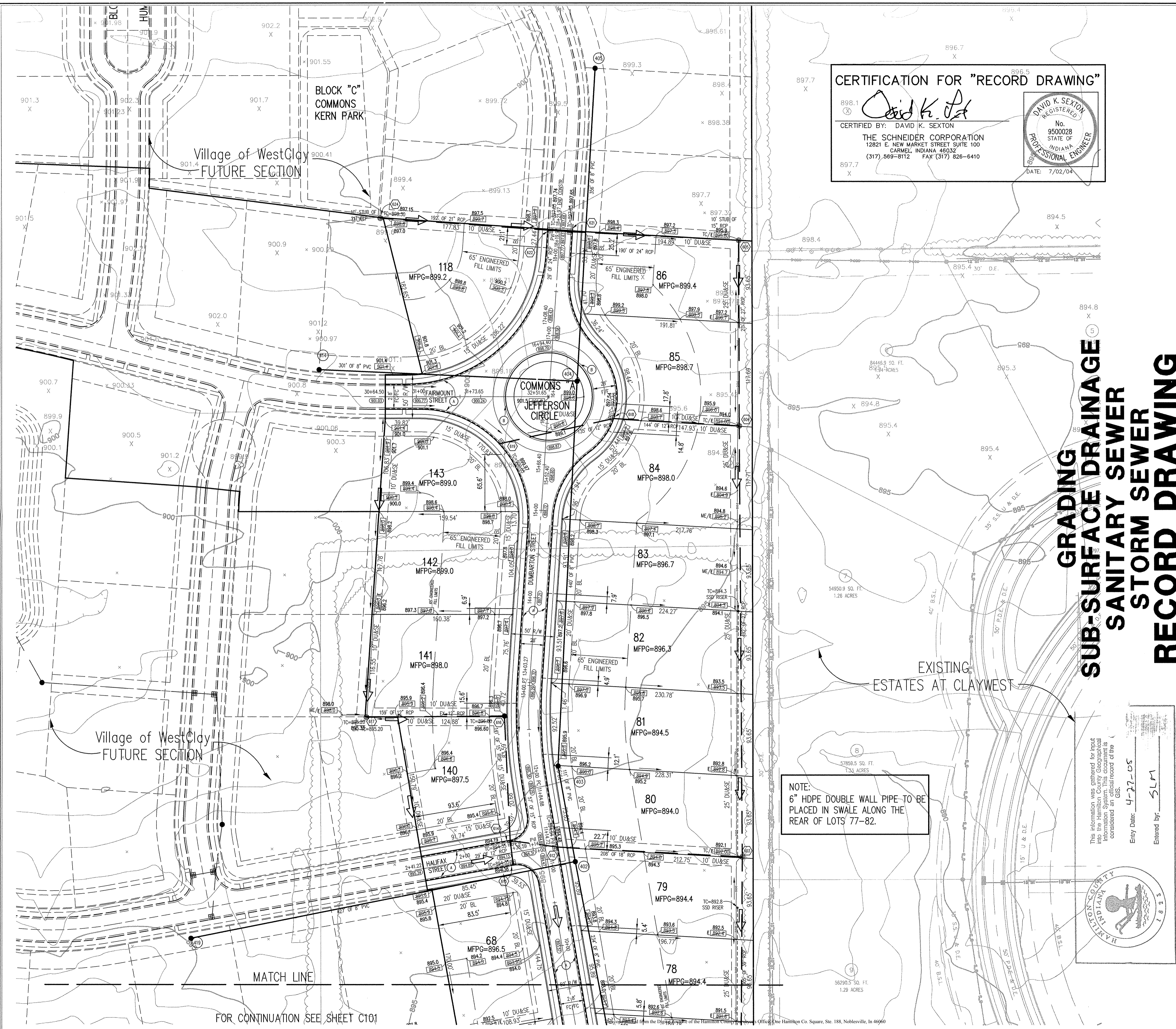


CROSS SECTION B-B STREET STATION 4+70.00

CERTIFICATION FOR "RECORD DRAWING" by David K. Sexton, Professional Engineer, State of Indiana, No. 9500028, dated 7/02/04.

This information was collected from a field visit into the Hamilton County Geographical Information System. This information is considered an approximation of the actual conditions.





CERTIFICATION FOR "RECORD DRAWING"

898.1 X *David K. Sexton*

CERTIFIED BY: DAVID K. SEXTON

THE SCHNEIDER CORPORATION
12821 E. NEW MARKET STREET SUITE 100
CARMEL, INDIANA 46032
(317) 869-8112 FAX (317) 826-6410

DAVID K. SEXTON
REGISTERED
No. 950028
STATE OF INDIANA
PROFESSIONAL ENGINEER

DATE: 7/02/04

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

- GENERAL NOTES**
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- 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
 - Corrected Grades
 - Storm Structure Number
 - Sanitary Structure Number
- 000.0 Denotes Elevation and Approximate Pad Size
- Flow Arrow
- 4" Subsurface Drain
- Swale (S)
- Water Main
- Existing Trees
- Existing Gas Main
- Existing Telephone
- Existing Water Main
- Existing Flowline
- Existing Overhead Utilities
- 2' Chairback Curb with Gutter
- 2' Chairback Curb without Gutter
- MFG Minimum Flood Protection Grade
- Emergency Flood Routing

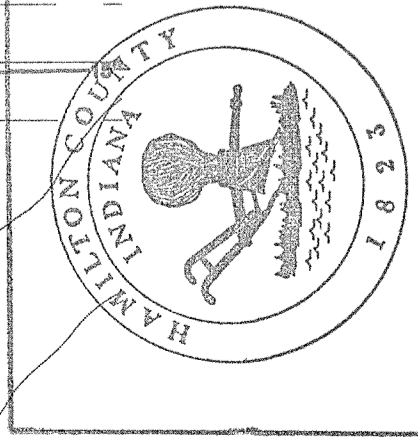
BENCHMARK

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

NOTE:
6" HDPE DOUBLE WALL PIPE TO BE PLACED IN SWALE ALONG THE REAR OF LOTS 77-82.

This information was gathered for input into the information system. This document is considered an official record of the GIS.

Empty Date: 4-27-05
Entered by: SLM



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.

ASSUMED NORTH
SCALE: 1"=50'

REVISIONS: 01/03/04 REVISED PER T.A.C. COMMENTS.
02/02/04 REVISED PER CLIENT.
03/02/04 REVISED PER CLIENT.

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Village of WestClay
SECTIONS 9006-A & B
CARMEL, INDIANA
BRENNICK DEVELOPMENT CO.
CARMEL, INDIANA

DATE: 6/30/03 PROJECT NO.: 1238.9006
DRAWN BY: CWD CHECKED BY:
SHEET TITLE: DEVELOPMENT PLAN
DRAWING FILES:
N:\1238\9006\DWGS\C101-102.DWG
XREF: 9006S.DWG, ESTATES-CWD.DWG
XREF: 9006-SS-EDWG
XREF: 1009BS.DWG, 150BS.DWG
XREF: 1503BS.DWG
XREF: CA13.DWG, CA14.DWG
XREF: CA15.DWG, CA17.DWG
XREF: CA18.DWG, CA20.DWG

SHEET NO.: **C102**

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

Sheet Number	Detail	Description
C801	14	Bedding Detail - Reinforced Concrete Pipe (RCP)
C801	16,18	Curb Inlet Detail
C801	17	Beehive Inlet Detail
C801	15,19	Storm Manhole Detail
C801	12	Precast Concrete End Section
C802		RipRap Detail @ End Section

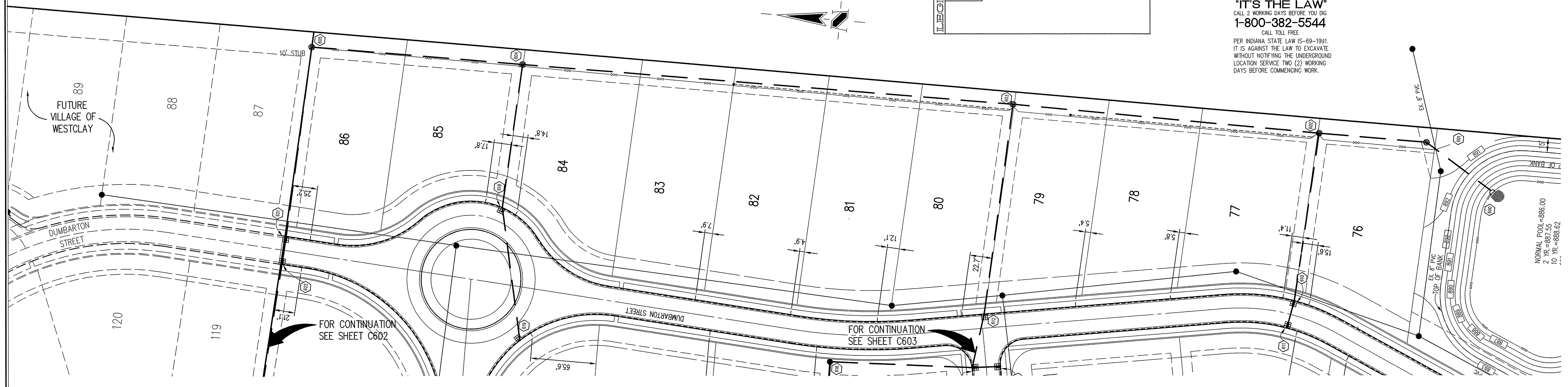
NOTE

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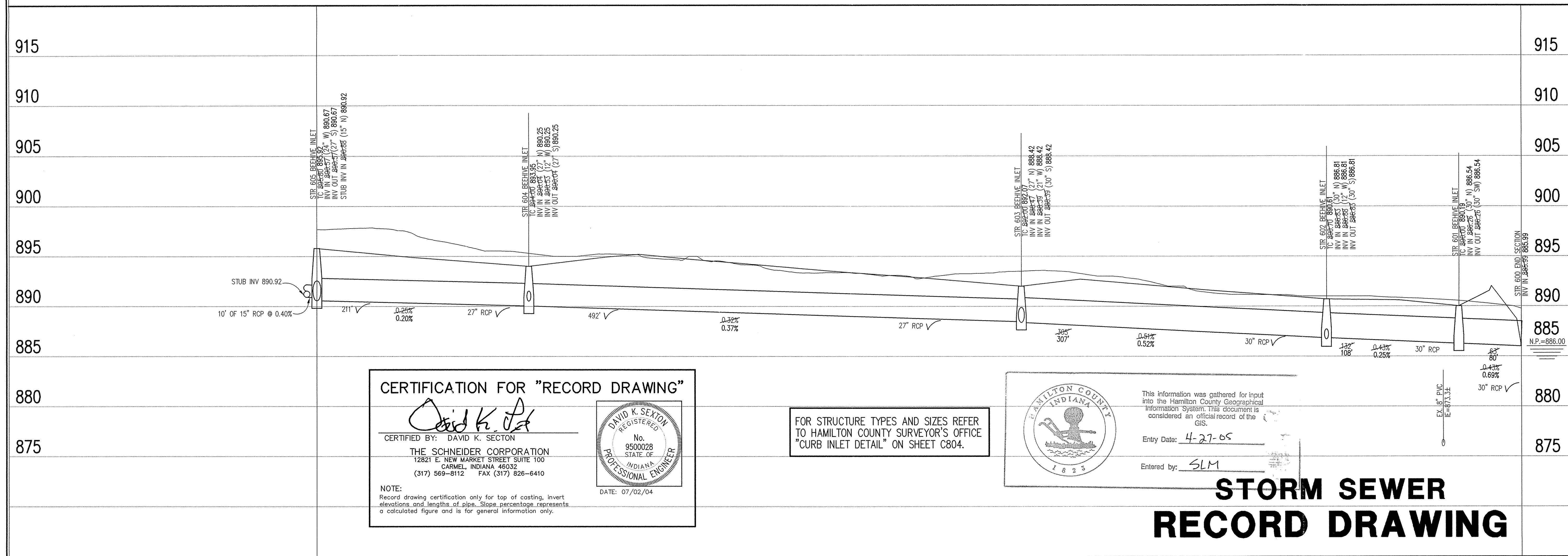
GENERAL NOTES

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STORM SEWER PLAN

SCALE: 1"=50'



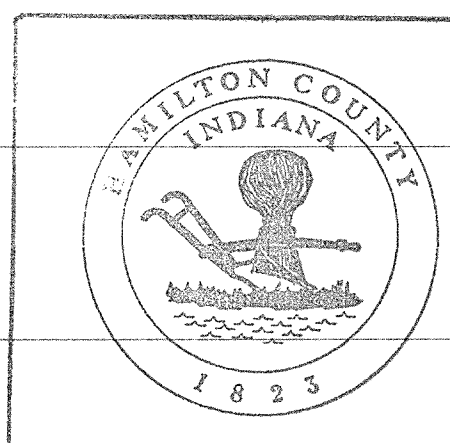
CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *David K. Sexton*
DAVID K. SEXTON
REGISTERED PROFESSIONAL ENGINEER
No. 9500028
STATE OF INDIANA
DATE: 07/02/04

THE SCHNEIDER CORPORATION
12821 E. NEW MARKET STREET SUITE 100
CARMEL, INDIANA 46032
(317) 569-8112 FAX (317) 826-6410

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.

FOR STRUCTURE TYPES AND SIZES REFER TO HAMILTON COUNTY SURVEYOR'S OFFICE "CURB INLET DETAIL" ON SHEET C804.



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Entry Date: 4-27-05
Entered by: SLM

STORM SEWER RECORD DRAWING

LEGEND

	Existing Grade
	New Grade
	Compacted Granular Backfill

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

STORM SEWER PROFILE

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REVISIONS: 06/03/05 REVISION PER T.A.C. COMMENTS.
2. DEC. 17/04 "RECORD DRAWING"

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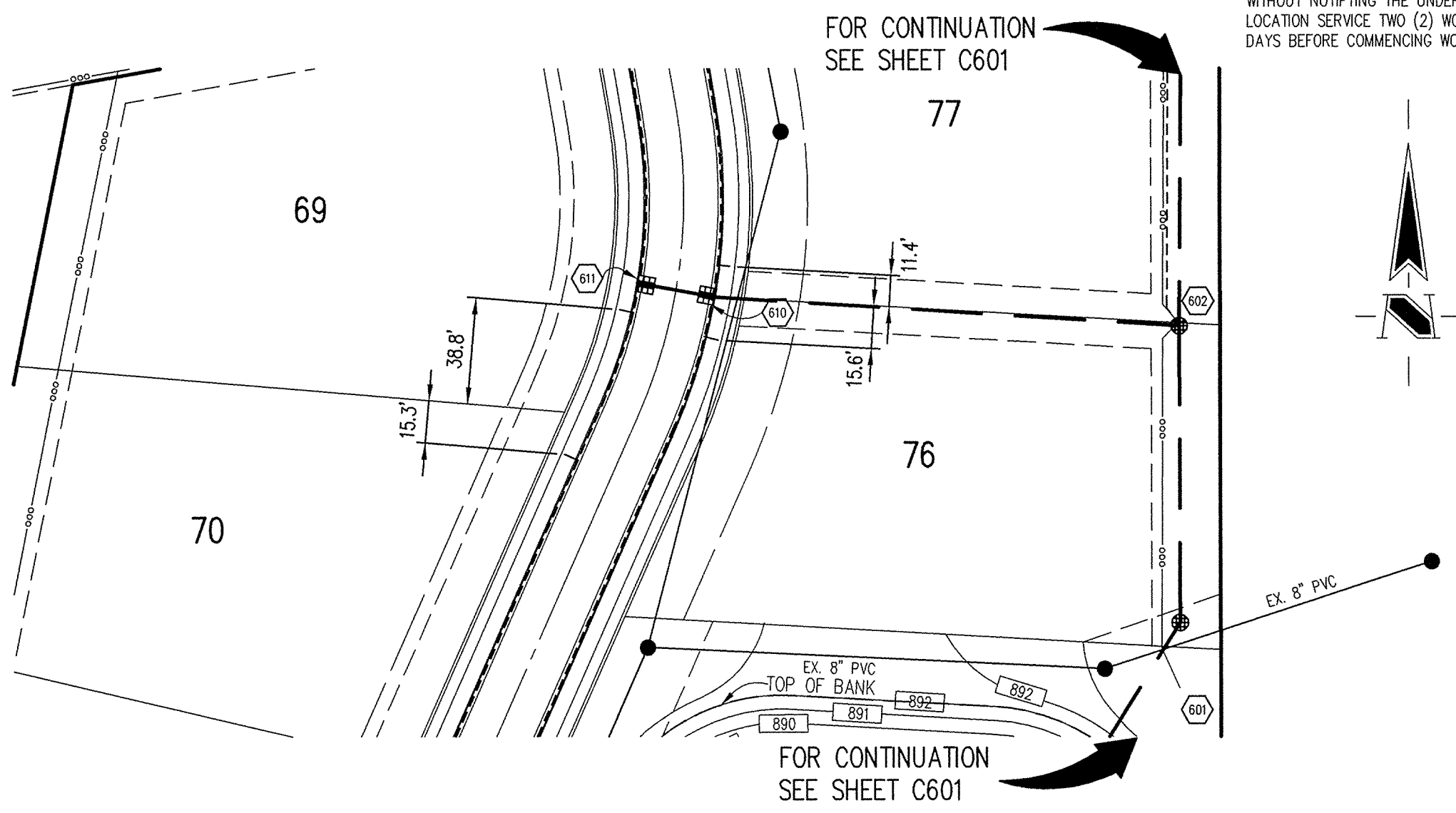
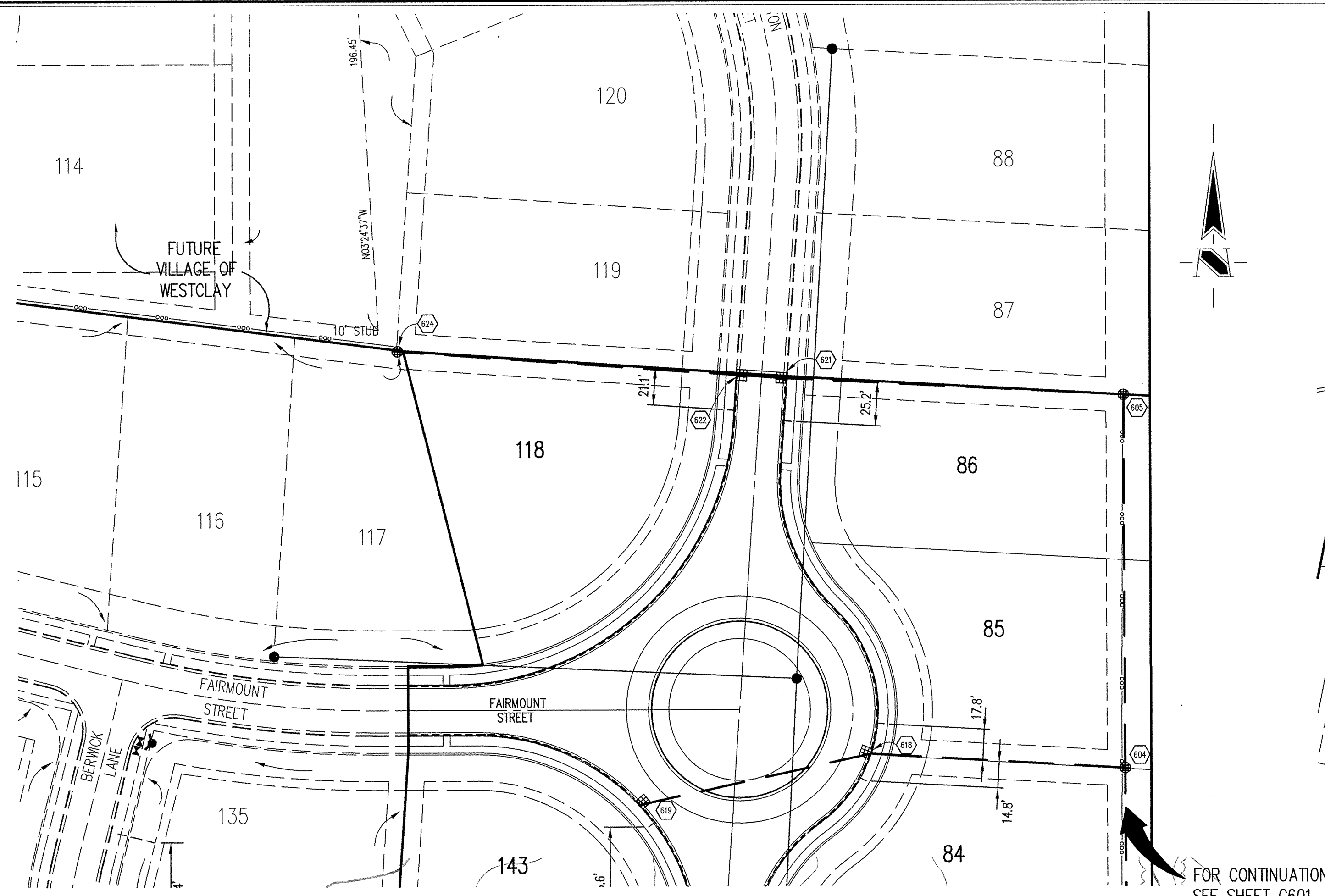
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Landscape Architecture
Transportation Engineering

Village of WestClay
SECTIONS 9006-A & B

CARMEL, INDIANA
BRENNICK DEVELOPMENT CO.
CARMEL, INDIANA

DATE: 6/30/03	PROJECT NO.: 1238.9006
DRAWN BY: CWD	CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: N:\1238\9006\DWG\CS\0601.DWG XREF: 9008BS.DWG XREF: 9009BS-E.DWG XREF: 1009BS.DWG XREF: STORM.DWG	

SHEET NO.: **C601**



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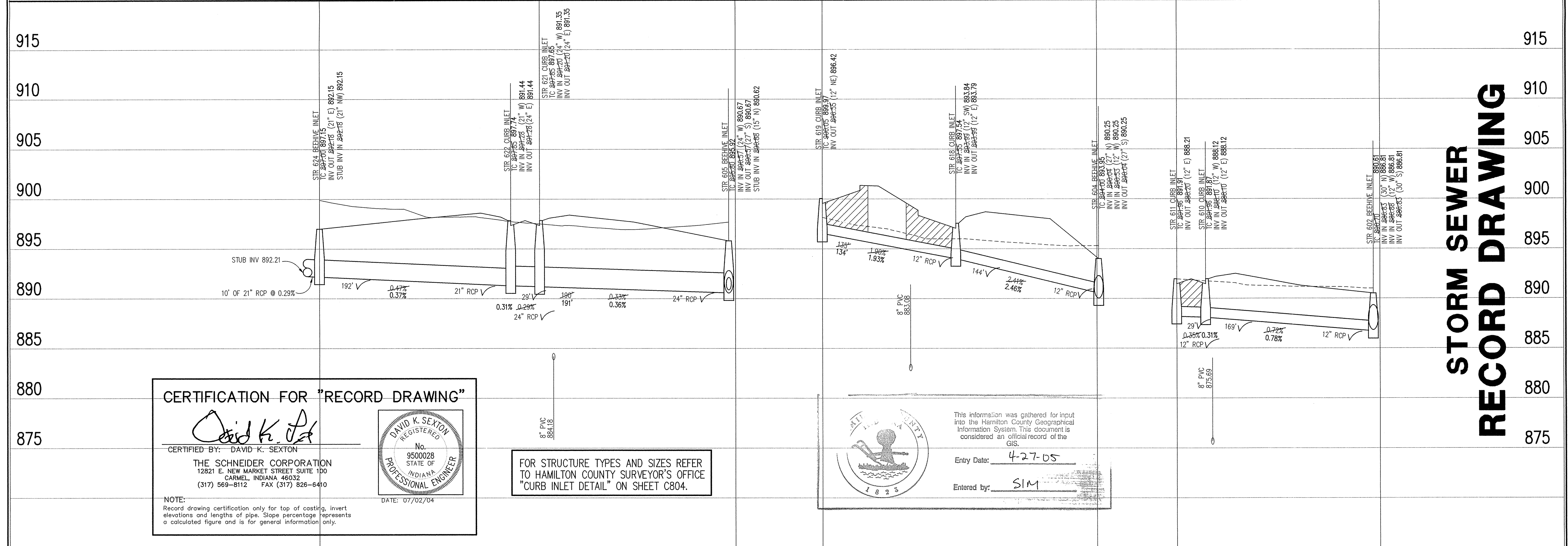
BENCHMARK

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

Sheet	Detail Number	Description
C801	14	Bedding Detail - Reinforced Concrete Pipe (RCP)
C801	16,18	Curb Inlet Detail
C801	17	Beehive Inlet Detail
C801	15,19	Storm Manhole Detail
C801	12	Precast Concrete End Section
C802		RipRap Detail @ End Section

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER RECORD DRAWING

CERTIFICATION FOR "RECORD DRAWING"

David K. Sexton
 CERTIFIED BY: DAVID K. SEXTON
 THE SCHNEIDER CORPORATION
 12821 E. NEW MARKET STREET SUITE 100
 CARMEL, INDIANA 46032
 (317) 569-8112 FAX (317) 826-6410

DAVID K. SEXTON
 REGISTERED
 No. 9500028
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

DATE: 07/02/04

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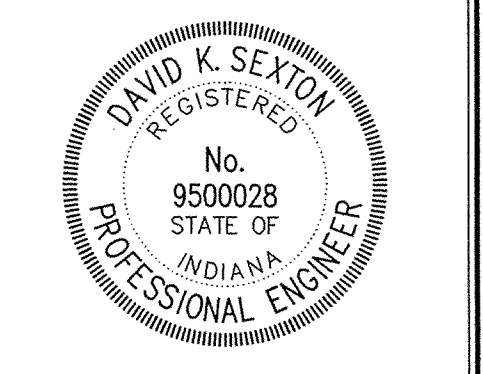
MITCHELL COUNTY

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 Entry Date: 4-27-05
 Entered by: SIM

LEGEND

	Existing Grade
	New Grade
	Compacted Granular Backfill

SCALE: HORZ.: 1"=50'
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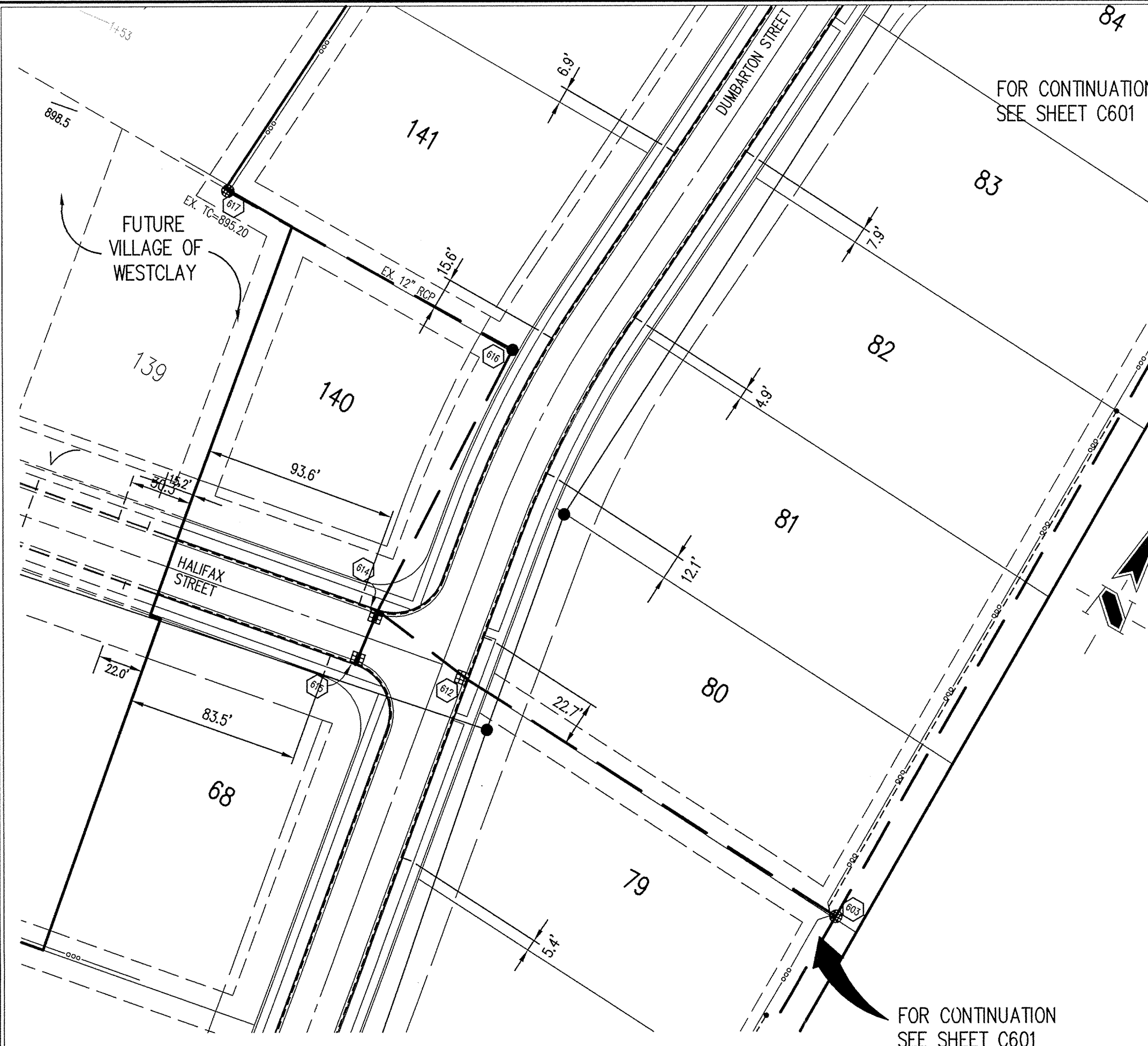
Village of WestClay
 SECTIONS 9006-A & B
 CARMEL, INDIANA
 BRENNICK DEVELOPMENT CO.
 CARMEL, INDIANA

DATE: 6/30/03	PROJECT NO.: 1238.9006
DRAWN BY: CWD	CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: N:\1238\9006\DWGS\C602.DWG XREF: 9006S.DWG XREF: MOR-95-E.DWG XREF: 10098S.DWG XREF: STORM.DWG	

SHEET NO.: **C602**

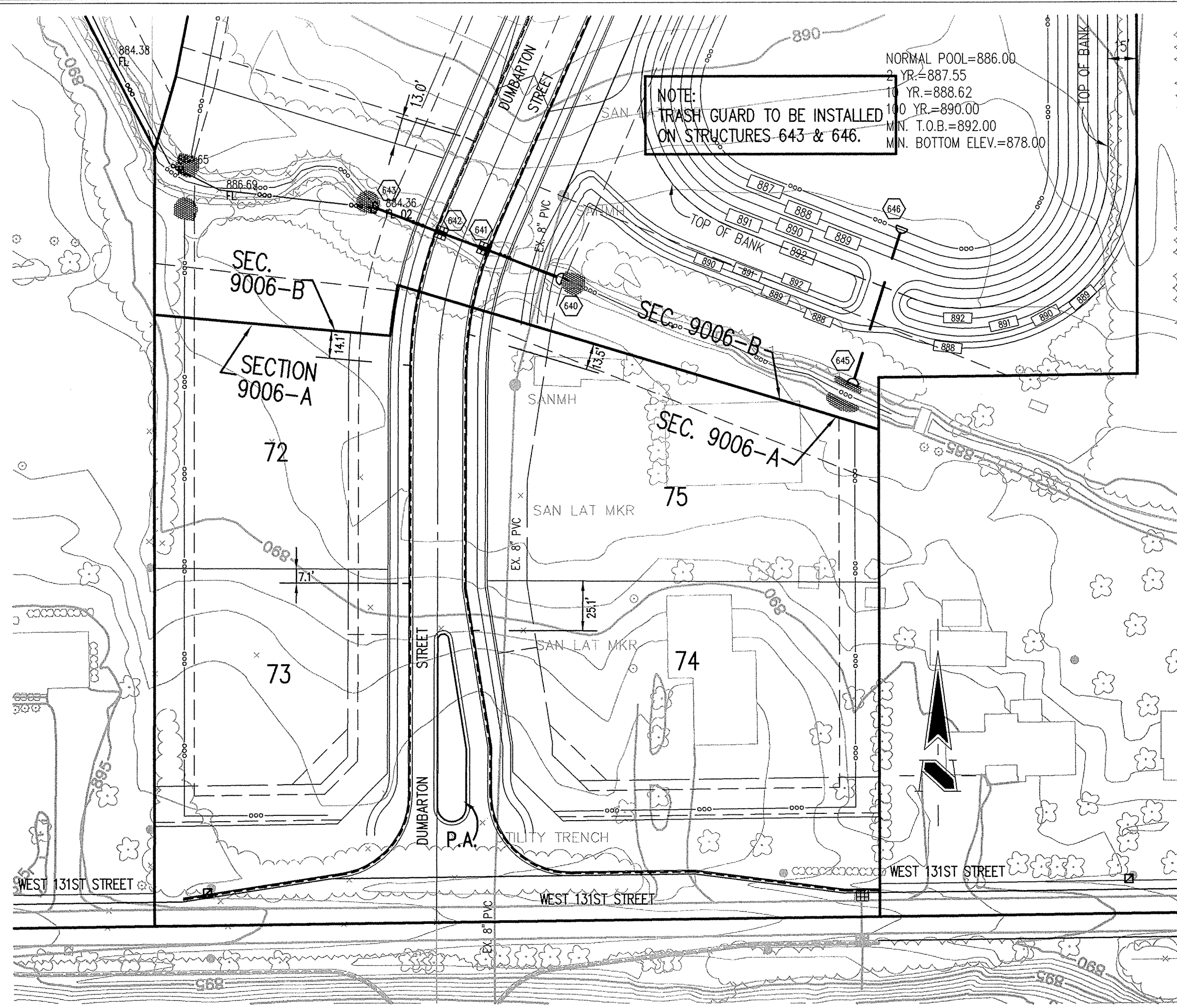
STORM SEWER PROFILE

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

LEGEND/DETAILS

Sheet	Detail	Description
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C801	17	Beehive Inlet Detail
C801	15,19	Storm Manhole Detail
C801	12	Precast Concrete End Section
C802		RipRap Detail @ End Section

NOTE

REVISIONS:
 1. 03/03/03 PER 603 PER T.A.S. COMMENTS
 2. 04/10/03 REVISED PIPE SIZES FROM STR. 640-643 AND STR. 645-646
 3. 04/10/03 REVISED PIPE SIZES FROM STR. 640-643
 4. 04/10/03 "RECORD DRAWING"

DATE: _____

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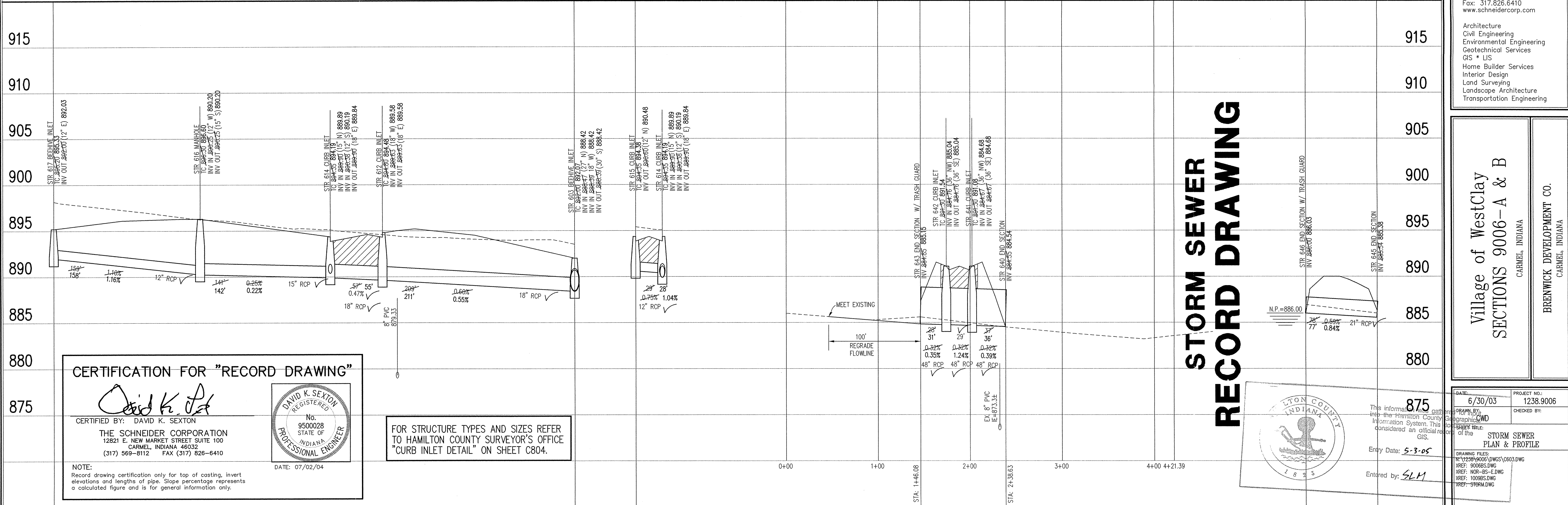
Schneider

THE SCHNEIDER CORPORATION
 12821 E. New Market Street
 Suite 100
 Carmel, IN 46032
 Telephone: 317.569.8112
 Fax: 317.626.6410
 www.schneidercorp.com

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

STORM SEWER PLAN

SCALE: 1"=50'



CERTIFICATION FOR "RECORD DRAWING"

David K. Sexton
 CERTIFIED BY: DAVID K. SEXTON

THE SCHNEIDER CORPORATION
 12821 E. NEW MARKET STREET SUITE 100
 CARMEL, INDIANA 46032
 (317) 569-8112 FAX (317) 826-6410

DATE: 07/02/04

FOR STRUCTURE TYPES AND SIZES REFER TO HAMILTON COUNTY SURVEYOR'S OFFICE "CURB INLET DETAIL" ON SHEET C804.

875

Entered by: *SLM*

STORM SEWER PLAN & PROFILE

Village of WestClay
 SECTIONS 9006-A & B
 CARMEL, INDIANA
 BRENNICK DEVELOPMENT CO.
 CARMEL, INDIANA

DATE: 6/30/03	PROJECT NO.: 1238.9006
DRAWN BY: [Signature]	CHECKED BY: [Signature]
DATE: 6/30/03	PROJECT NO.: 1238.9006
DRAWING FILES: N:\1238\9006\DWG\0603.DWG	XREF: 9006BS.DWG
XREF: 9006BS.DWG	XREF: 9006BS.DWG
XREF: 9006BS.DWG	XREF: 9006BS.DWG

STORM SEWER PROFILE

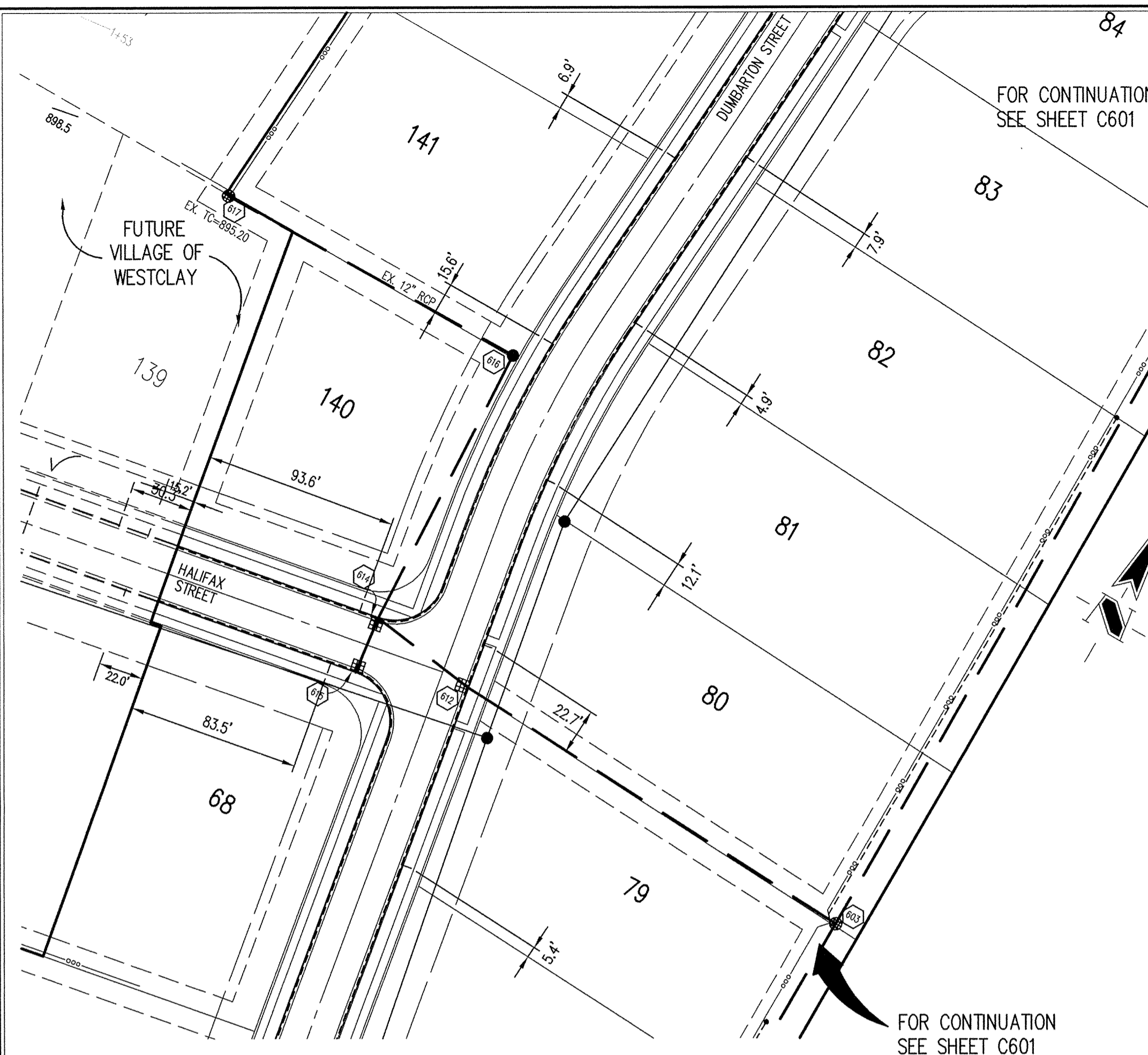
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LEGEND

	Existing Grade
	New Grade
	Compacted Granular Backfill

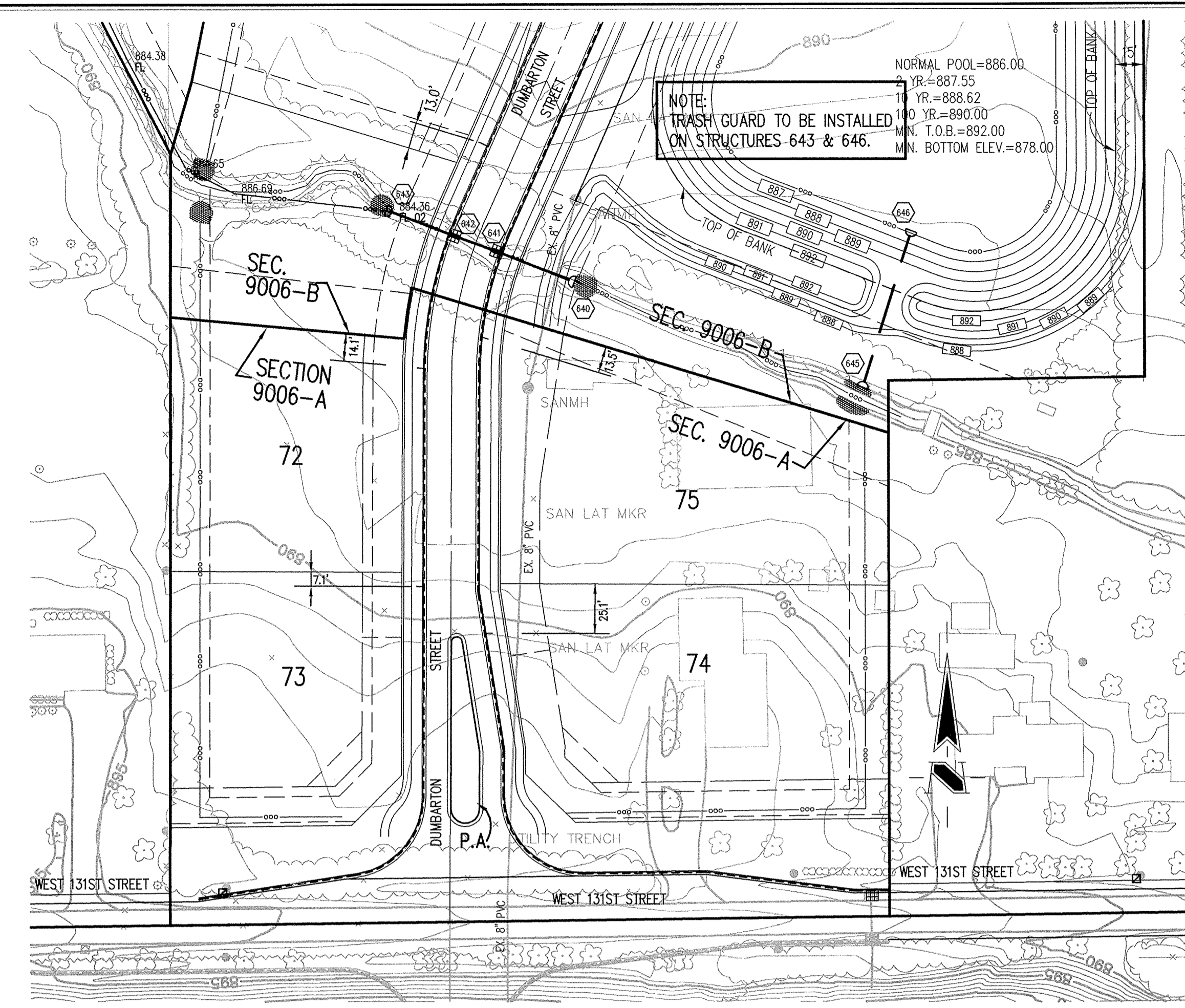
SCALE: HORZ.: 1"=50'
 VERT.: 1"=5'

SHEET NO.: **C603**



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.



NOTE:
 TRASH GUARD TO BE INSTALLED
 ON STRUCTURES 643 & 646.

NORMAL POOL=886.00
 YR=887.55
 YR=888.62
 YR=890.00
 MIN. T.O.B.=892.00
 MIN. BOTTOM ELEV.=878.00

GENERAL NOTES

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

BENCHMARK

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

LEGEND/DETAILS

Sheet	Item	Description
C801	14	Bedding Detail - Reinforced Concrete Pipe (RCP)
C801	16,18	Curb Inlet Detail
C801	17	Beehive Inlet Detail
C801	15,19	Storm Manhole Detail
C801	12	Precast Concrete End Section
C802		RipRap Detail @ End Section

NOTE

REVISIONS FOR AS REVISED PER T.A.C. COMMENTS:
 1. SET, 08/11/03 REVISED PIPE SIZES FROM STR. 640-643 AND STR. 645-646.
 2. SET, 08/11/03 REVISED STORM FROM FROM 640-643.
 3. SET, 11/01/03 REVISED STORM FROM FROM 640-643.
 4. LOC. 7/7/04 "RECORD DRAWING"

DAVID K. SEXTON
 REGISTERED
 No. 9500028
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

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.
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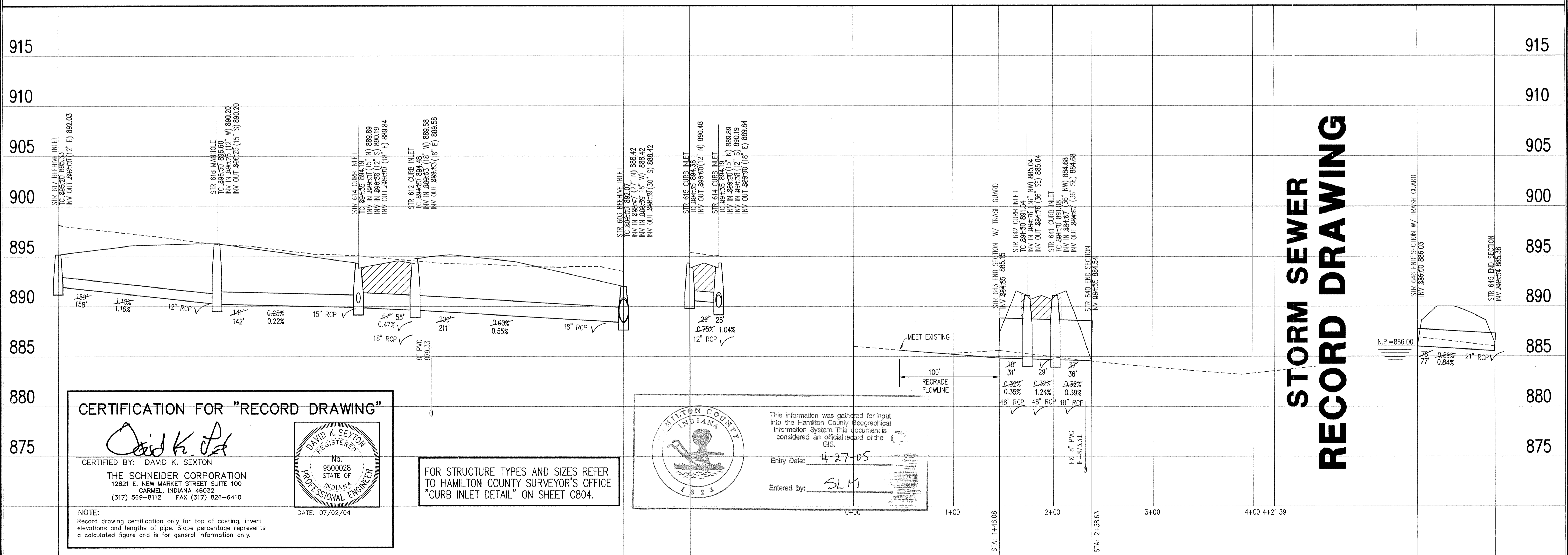
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 Transportation Engineering

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER RECORD DRAWING

CERTIFICATION FOR "RECORD DRAWING"

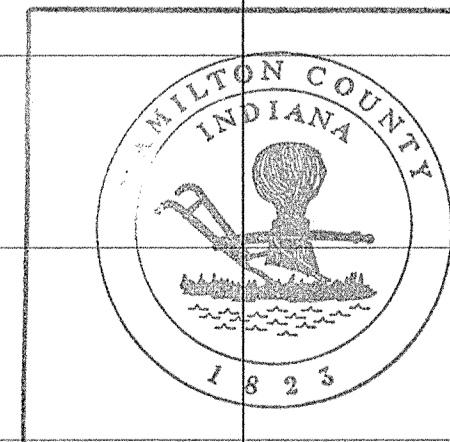
David K. Sexton
 CERTIFIED BY: DAVID K. SEXTON

THE SCHNEIDER CORPORATION
 12821 E. NEW MARKET STREET SUITE 100
 CARMEL, INDIANA 46032
 (317) 569-8112 FAX (317) 826-6410

DATE: 07/02/04

DAVID K. SEXTON
 REGISTERED
 No. 9500028
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

FOR STRUCTURE TYPES AND SIZES REFER TO HAMILTON COUNTY SURVEYOR'S OFFICE "CURB INLET DETAIL" ON SHEET C804.



This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 4-27-05
 Entered by: SLM

LEGEND

	Existing Grade
	New Grade
	Compacted Granular Backfill

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

STORM SEWER PROFILE

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Village of WestClay
 SECTIONS 9006-A & B
 CARMEL, INDIANA
 BRENNICK DEVELOPMENT CO.
 CARMEL, INDIANA

DATE: 6/30/03 PROJECT NO.: 1238.9006
 DRAWN BY: CWD CHECKED BY:
 SHEET TITLE: STORM SEWER PLAN & PROFILE
 DRAWING FILES: N:\1238\9006\DWG\C603.DWG
 XREF: 9006B.DWG
 XREF: 9006S-E.DWG
 XREF: 1009B.DWG
 XREF: STORM.DWG
 SHEET NO.: C603