

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 9002 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 9002 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	946 ft	15" RCP	654 ft	Open Channel	322 ft
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The total length of the drain will be 1,922 feet.

The open channel listed above is from Structure 678 to Structure 724 and 723 to 676. The pipe from Structure 724 to 723 and Structure 676 was pickup up in my report to the Board for Section 10012 of the Village of West Clay dated October 5, 2005.

The retention pond (lake) which is located in Quack Pond 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 \$3,879.90.

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: June 17, 2005
Number: 5016965
For: Storm Sewers
Amount: \$101,011.00

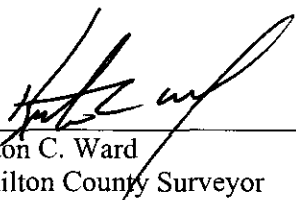
Agent: Bond Safeguard Insurance Company
Date: June 17, 2005
Number: 5016964
For: Erosion Control
Amount: \$56,400.00

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 9002 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
 9002 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

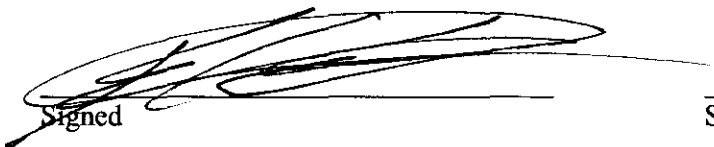
Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

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 KEULICK, AGENT TO OWNER:
Printed Name

BREWICK TND COMMUNITIES, LLC

Printed Name _____

Date

Date

Signed

Signed

Printed Name

Printed Name

Date

Date

FINDINGS AND ORDER

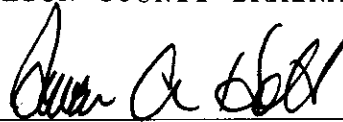
CONCERNING THE MAINTENANCE OF THE

Village of West Clay Drain, Section 9002 Arm

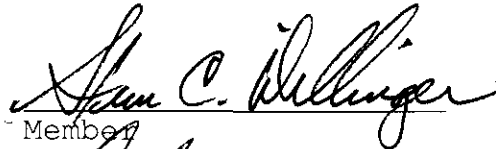
On this *28th day of November 2005*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Village of West Clay Drain, Section 9002 Arm*.

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

HAMILTON COUNTY DRAINAGE BOARD



President

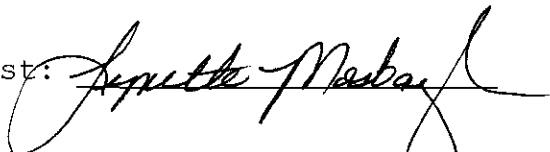


Member



Member

Attest:

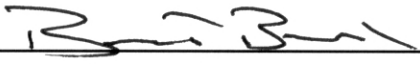


CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR
RE: Village of West Clay Section 9002

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





K.C.W.

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

May 13, 2009

Re: Village of West Clay: Section 9002 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Village of West Clay Section 9002. 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 534-535)
 The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
684-683	177	12	RCP	896.09	895.43	0.37	-1
683-682	29	12	RCP	895.43	895.23	0.69	
682-681	88	12	RCP	895.23	894.87	0.41	
681-680	191	12	RCP	894.87	893.01	0.97	2
671-670	141	12	RCP	896.47	895.99	0.34	-5
670-669	20	12	RCP	895.99	895.82	0.85	
669-668	29	15	RCP	895.82	895.62	0.69	
668-650	196	15	RCP	895.62	891.98	0.63	1
666-665	29	12	RCP	895.81	895.53	0.28	
665-646	170	12	RCP	895.53	894.14	0.82	1
729-728	62	12	RCP	897	896.85	0.62	3
728-727A	168	15	RCP	896.85	896.3	0.33	-1
727A-727	29	15	RCP	896.3	896.19	0.38	
727-726	29	15	RCP	896.19	896.12	0.24	1
726-725	204	15	RCP	896.12	893.15	1.46	
720-721	28	12	RCP	901.88	901.68	0.71	4
679-678	28	12	RCP	902.8	902.71	0.32	3

RCP Pipe Totals:

12	963
----	-----

Drain Totals:

Open	347
------	-----

15	655
Total:	<u>1618</u>

Total: 347

The length of the drain due to the changes described above is now **1,965 feet**.

The non-enforcement was approved by the Board at its meetings on October 10, 2005 and November 28, 2005 and recorded under instrument # 200600055537 and #200600055538.

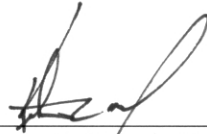
The following sureties were guaranteed by Bond Safeguard Insurance Company and released by the Board on its October 8, 2007 meeting.

Bond-LC No: 5016965
Insured For: Storm Sewers
Amount: \$101,011
Issue Date: June 17, 2005

Bond-LC No: 5016964
Insured For: Erosion Control
Amount: \$56,400.00
Issue Date: June 17, 2005

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

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

Sheet	Sheet Number	Description
C803	1	Bedding Detail - Reinforced Concrete Pipe (RCP)
C803	5	Straight Curb Inlet Detail
C803	4	Beehive Inlet Detail
C803	2	Storm Manhole Detail
C803	8	Precast Concrete End Section
C803	9	RipRap Detail @ End Section

BENCHMARK

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

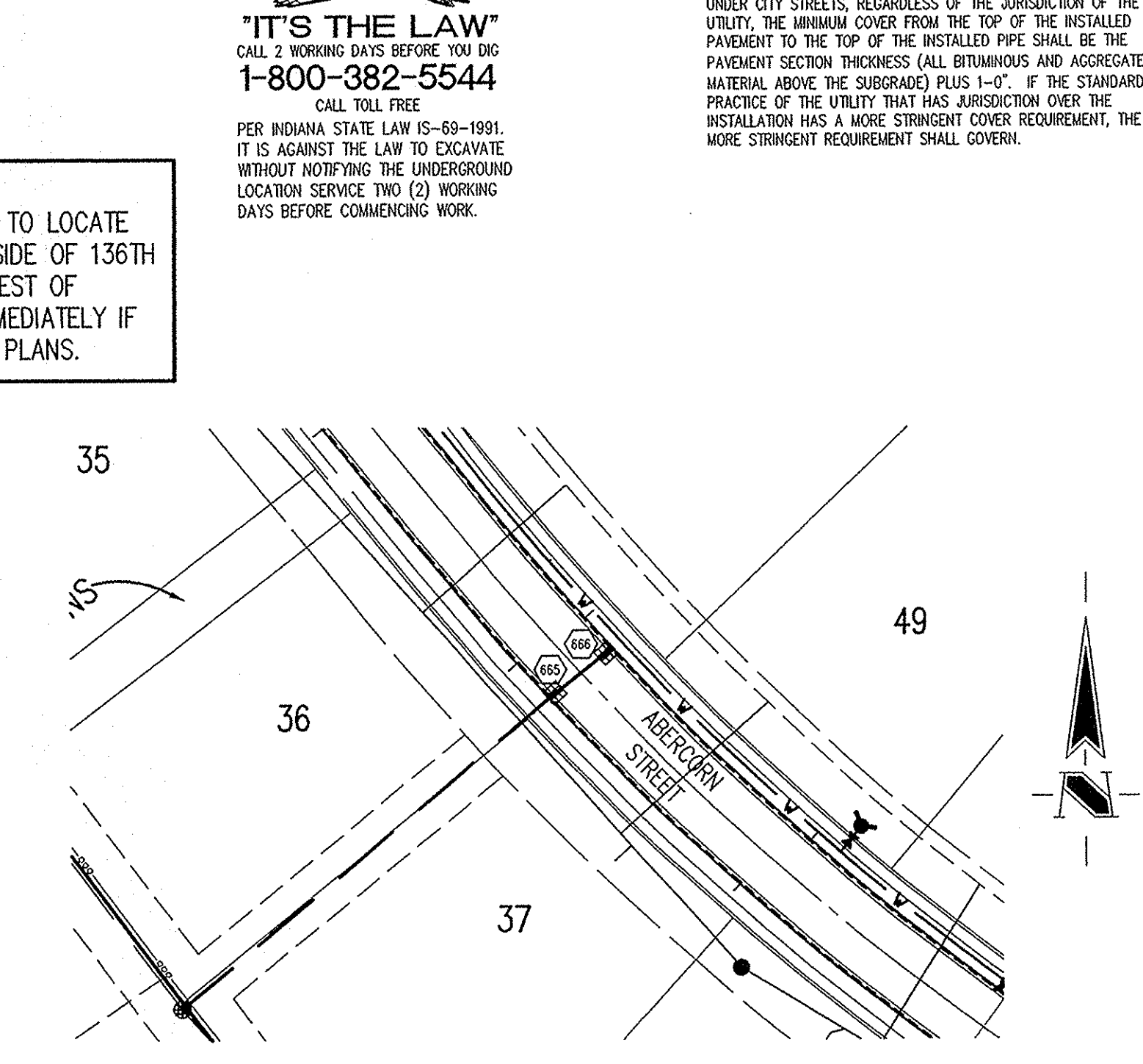
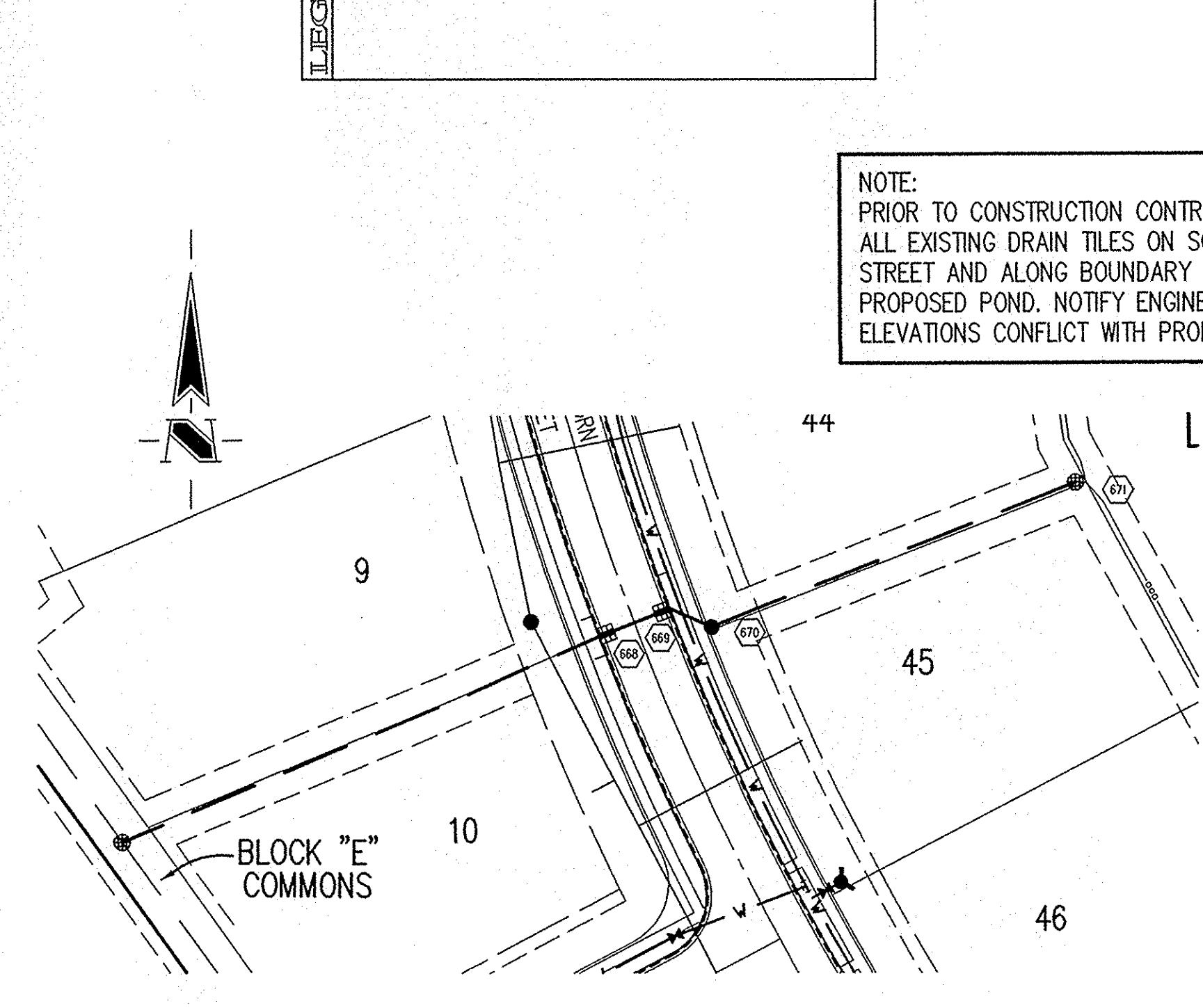
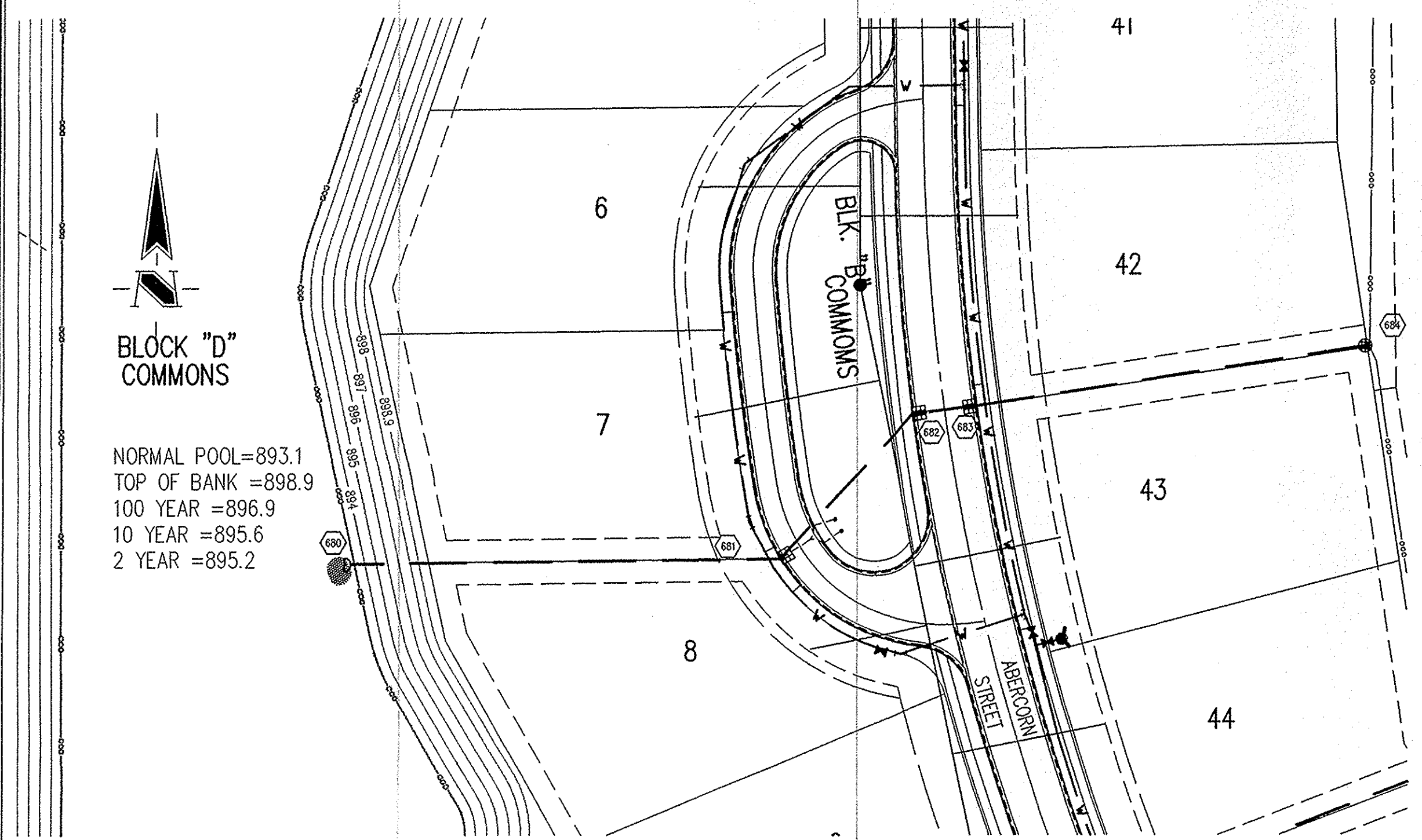
HOLEY MOLEY SAYS
"DON'T DIG BLIND"

"IT'S THE LAW"
 CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
 CALL TOLL FREE
 PER INDIANA STATE LAW (S-59-1991,
 IT IS AGAINST THE LAW TO EXCAVATE
 WITHOUT NOTIFYING THE UNDERGROUND
 LOCATION SERVICE TWO (2) WORKING
 DAYS BEFORE COMMENCING WORK.

GENERAL NOTES

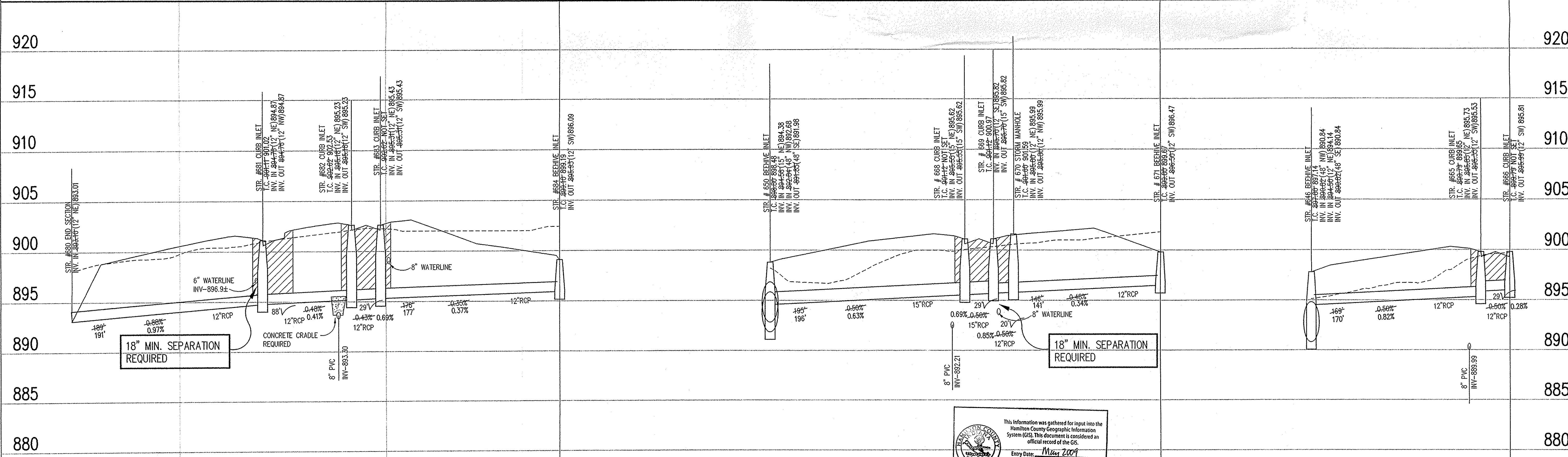
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
- ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS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

NOTE:
 PRIOR TO CONSTRUCTION CONTRACTOR TO LOCATE ALL EXISTING DRAIN TILES ON SOUTH SIDE OF 136TH STREET AND ALONG BOUNDARY LINE WEST OF PROPOSED POND. NOTIFY ENGINEER IMMEDIATELY IF ELEVATIONS CONFLICT WITH PROPOSED PLANS.



STORM SEWER PLAN

SCALE: 1"=50'



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: May 2009
 Entered By: SLM

STORM SEWER RECORD DRAWING

STORM SEWER PROFILE

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

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

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

Brannon T. Burke

DATE: 01/05/05

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 www.schneidercorp.com

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Village of WestClay
 SECTION 9002
 CARMEL, INDIANA
 BRENNICK DEVELOPMENT CO.
 CARMEL, INDIANA

DATE: 01/05/05	PROJECT NO.: 1238.9002
DRAWN BY: DCC	CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: H:\1238\9002\DWG\C601-602.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: CAT6.DWG	

SHEET NO.: **C601**

This copy is from the Digital Archives of the Hamilton County Surveyors Office, Noblesville, IN 46060

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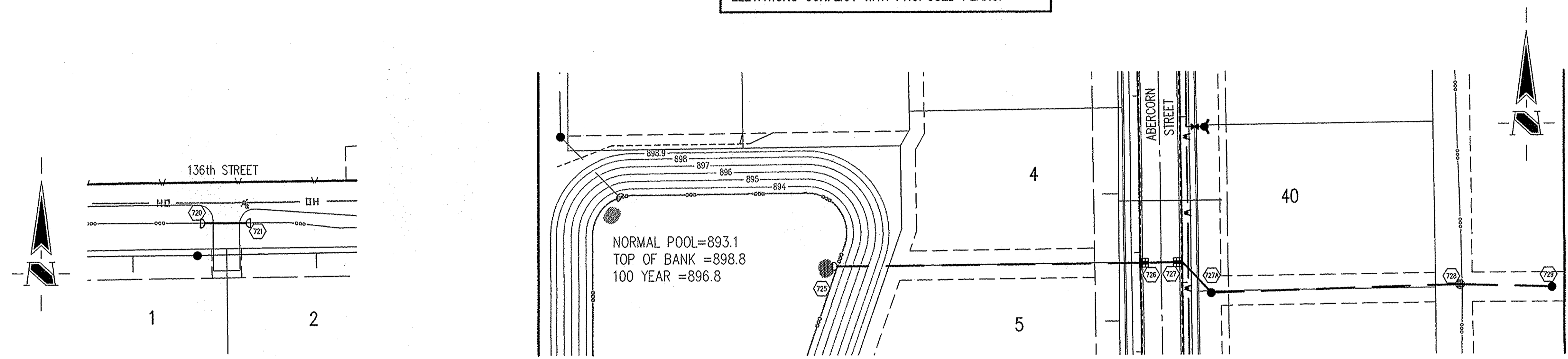
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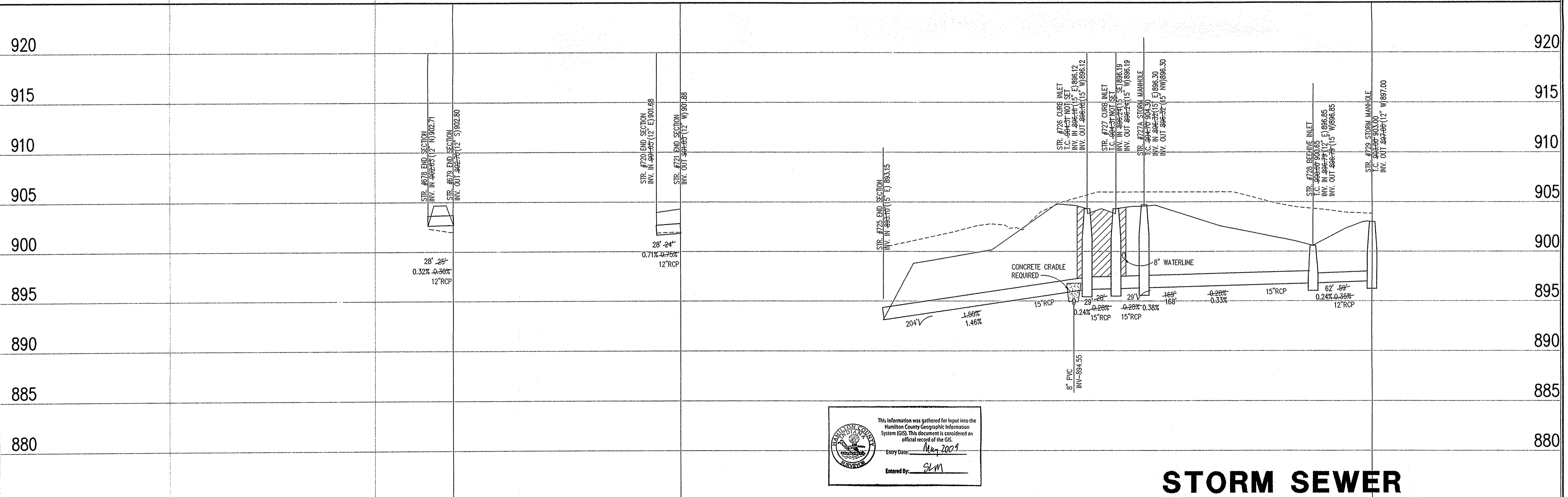
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Village of WestClay
SECTION 9002
CARMEL, INDIANA
BRENNICK DEVELOPMENT CO.
CARMEL, INDIANA

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XREF: C616.DWG
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