



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*

August 11, 2005

TO: Hamilton County Drainage Board

RE: Village of West Clay, Section 9007 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 9007 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	326 ft.	18" RCP	29 ft.
15" RCP	281 ft.	21" RCP	368 ft.

The total length of the drain will be 1,004 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 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 \$3,267.90.

The petitioner has submitted surety for the proposed drain at this time. The sureties which are in the form of a Performance Bond are as follows:

Agent: Bond Safeguard Insurance Co.	Agent: Bond Safeguard Insurance Co.
Date: January 19, 2005	Date: January 19, 2005
Number: 5015329	Number: 5015330
For: Storm Sewers	For: Erosion Control
Amount: \$60,323.00	Amount: \$21,600.00

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 9007 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for ~~September 26,~~ 2005.



Kenton C. Ward
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

TO: HAMILTON COUNTY DRAINAGE BOARD
% Hamilton County Surveyor
One Hamilton County Square, Suite 188
Noblesville, IN. 46060-2230

JAN 15 2004
HAMILTON COUNTY SURVEYOR'S OFFICE

In the matter of Village of WestClay Subdivision, Section
9007 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 PROJECT MANAGER, BREWICK DEVELOPMENT CO. Signed AN AGENT TO BREWICK TND COMMUNITIES LLC (OWNER)

KEVIN KAULIC
Printed Name

Printed Name

1/06/05
Date

Date

Signed

Signed

Printed Name

Printed Name

Date

Date

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Village of West Clay Drain, Section 9007 Arm

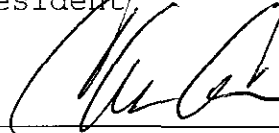
On this **24th day of October 2005**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Village of West Clay Drain, Section 9007 Arm**

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.

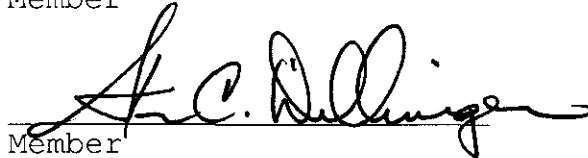
HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

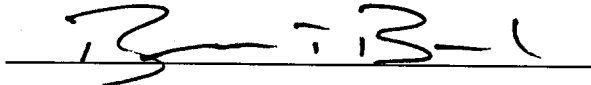
Attest. 

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR
RE: Village of West Clay Section 9007

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.
4. The drainage facilities within the above referenced subdivisions 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: 9-6-05

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

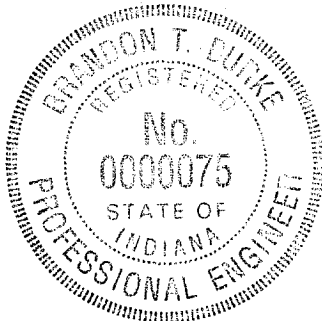
Business /Address: The Schneider Corporation
12821 E. New Market Street, Suite 100, Carmel, IN 46032

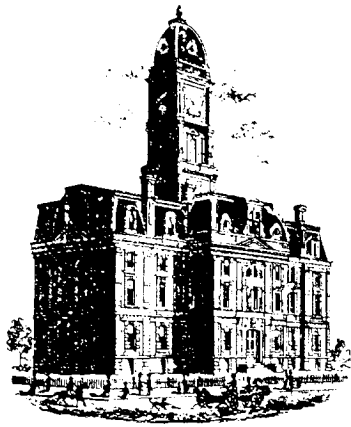
Telephone: (317) 569-8112

INDIANA REGISTRATION NUMBER

PE 10000075

SEAL





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

March 21, 2007

Re: Village West Clay: Section 9007

Attached are as-builts, certificate of completion & compliance, and other information for Villages of West Clay Section 9007. 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 August 11, 2005. The report was approved by the Board at the hearing held October 24, 2005. (See Drainage Board Minutes Book 8, Pages 466-467)

The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
606-605	279	15	RCP	892.18	890.75	0.51	-2
636-635	100	12	RCP	894.35	894.15	0.2	
635-634	167	12	RCP	894.15	893.65	0.3	-13
634-633	51	12	RCP	895.65	893.49	0.31	5
633-632	29	18	RCP	893.49	893.23	0.9	
632-631	149	21	RCP	893.23	892.95	0.19	-1
631-624	220	21	RCP	892.95	892.3	0.3	1

RCP Pipe Totals:

12	318
15	279
18	29
21	369
Total:	995

The length of the drain due to the changes described above is now **995 feet**.

The non-enforcement was approved by the Board at its meeting on October 24, 2005 and recorded under instrument #2000500071580.

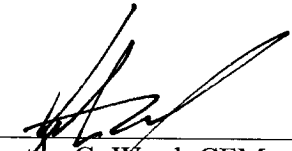
The following sureties were guaranteed by Bond Safeguard Insurance Company and have expired.

Bond-LC No: 5015329
Insured For: Storm Sewers
Amount: \$60,323.00
Issue Date: January 19, 2005

Bond-LC No: 5015330
Insured For: Erosion Control
Amount: \$21,600.00
Issue Date: January 19, 2005

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

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

SEC. 28-T18N-R3E

VILLAGE OF WESTCLAY SECTION 9007

(CONSTRUCTION PLANS)

HAMILTON COUNTY CARMEL, INDIANA

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

DEVELOPER:

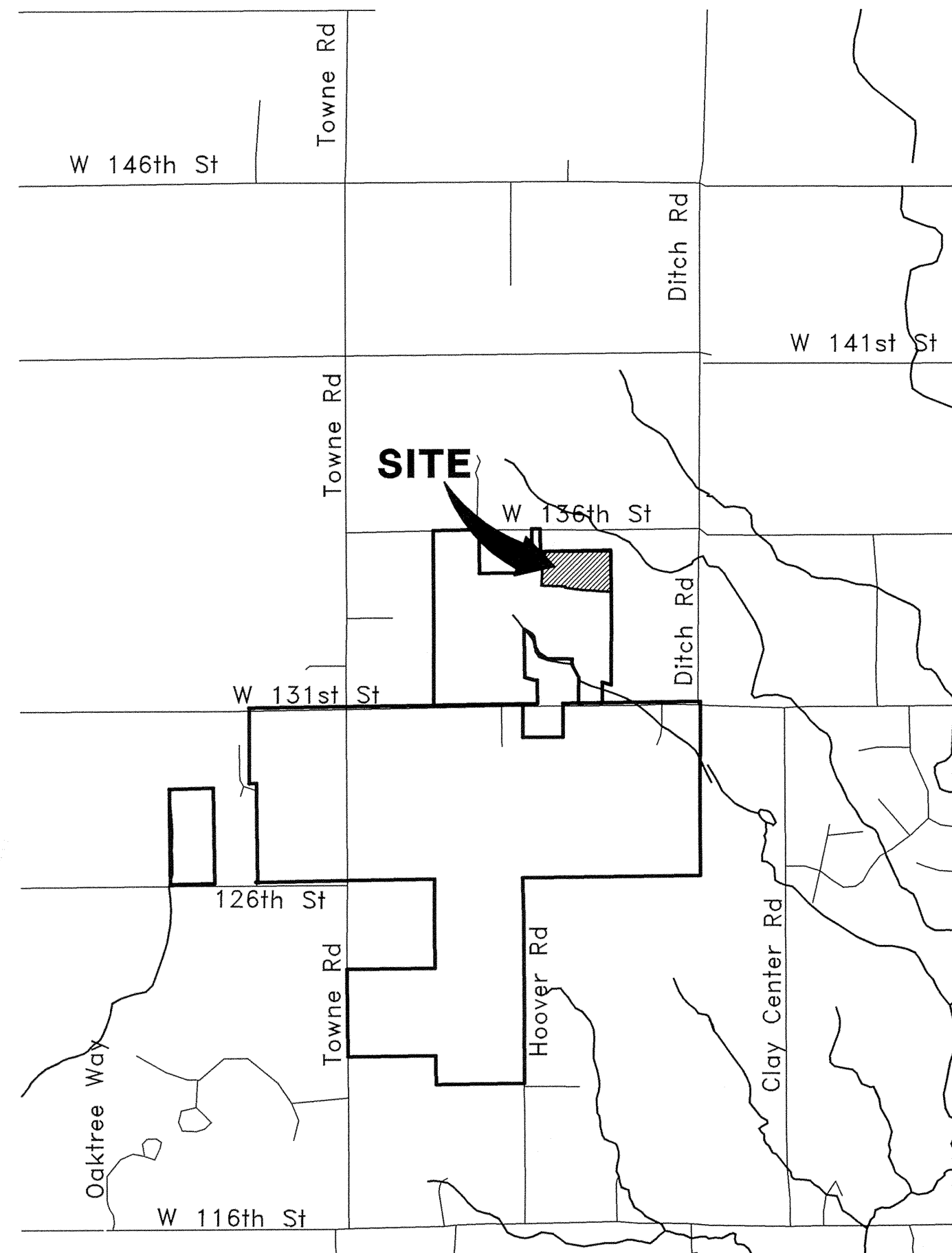
BRENWICK DEVELOPMENT CO.

12821 E. NEW MARKET STREET, SUITE 200

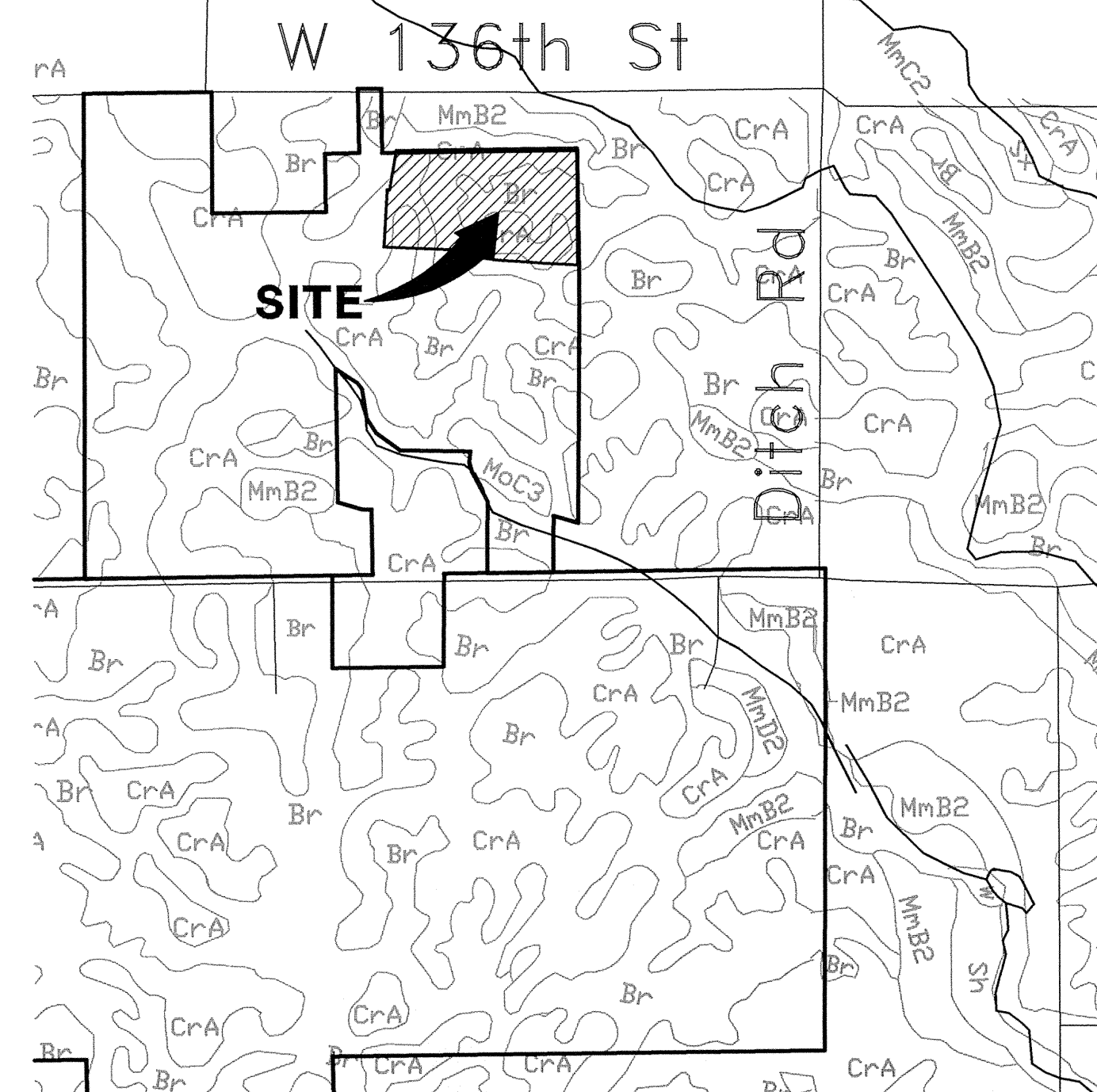
CARMEL, INDIANA 46032

(317) 574-3400

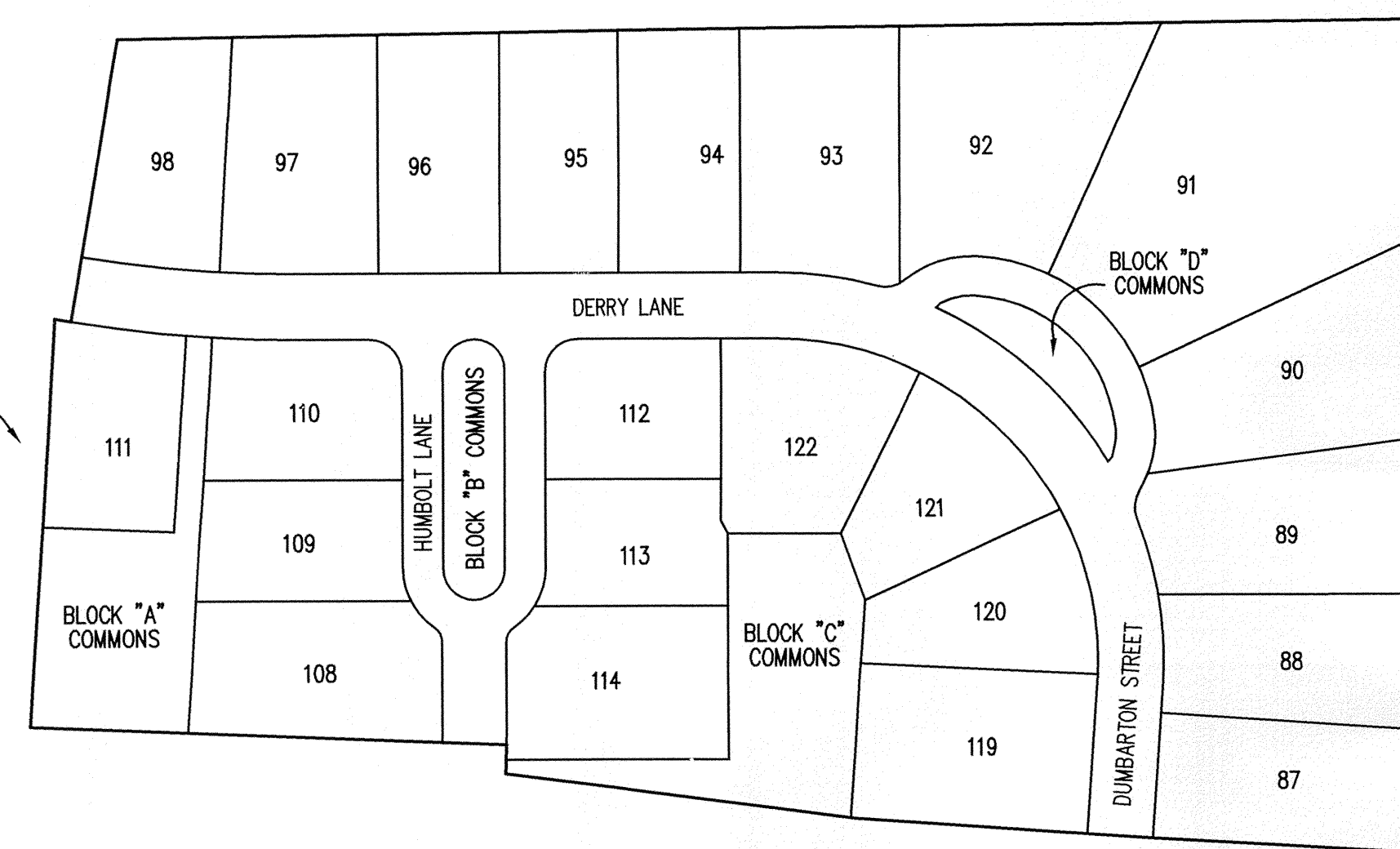
(317) 574-3919 FAX



AREA MAP
NOT TO SCALE



SOILS MAP
NOT TO SCALE



SITE MAP
SCALE: 1" = 120'

**ROADWAY DESIGN
SPEED = 20MPH**

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

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: 3-16-07
Entered By: SLM

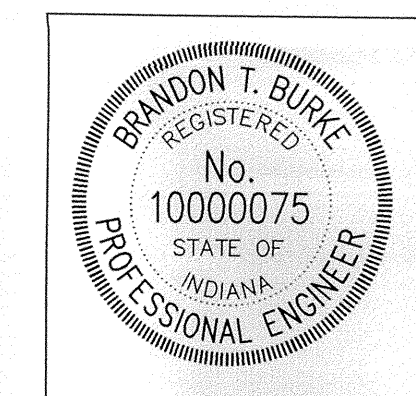
REVISIONS:	DATE:	BY:	DESCRIPTION:
	8/19/04	DCC	ALL SHEETS
	9/20/04	BET	C101
	9/23/04	BET	C701
	1/3/05	DCC	C101
	2/15/05	BET	C101, C201, C202 & C301
	8/19/05	BET	"RECORD DRAWING"-C101, C401, C601 & C701



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

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

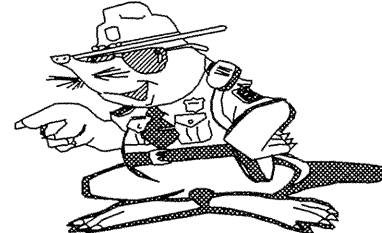


DATE: 7/2/04

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

SUB-SURFACE DRAINAGE SANITARY SEWER STORM SEWER RECORD DRAWING

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.

CONTACT THE CITY OF CARMEL UTILITY
DEPARTMENT AT (317) 571-2648 FOR
FIELD LOCATIONS OF CITY WATER MAINS.

- ### GENERAL NOTES
- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES. 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.
 - STANDARD SPECIFICATIONS FOR THE HAMILTON COUNTY SURVEYOR SHALL APPLY FOR ALL STORM SEWERS.
 - 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.
 - 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.
 - SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4" IN WIDTH.
 - CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
 - EXPANSION JOINTS AREA TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SERVICE WALKS 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.
 - 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.
 - 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.
 - 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. IF LESS THAN 25 SANDY FILL MUST HAVE LESS THAN 13% FINES PASSING A #200 SIEVE.
 - WATERMAIN VALVES SHALL NOT BE LOCATED UNDER PAVEMENT, 100' FAR FROM LANE, FLOWWAY FRINGS AND FLOODWAYS. NONE.

REVISIONS: 01/04 REVISED PER IAC COMMENTS.
02/04 REVISED PER IAC COMMENTS.
03/04 REVISED PER IAC COMMENTS.
04/04 REVISED PER IAC COMMENTS.
05/04 REVISED PER IAC COMMENTS.
06/04 REVISED PER IAC COMMENTS.
07/04 REVISED PER IAC COMMENTS.
08/04 REVISED PER IAC COMMENTS.
09/04 REVISED PER IAC COMMENTS.
10/04 REVISED PER IAC COMMENTS.
11/04 REVISED PER IAC COMMENTS.
12/04 REVISED PER IAC COMMENTS.

BRANDON T. BURKE
REGISTERED
No. 0000075
STATE OF INDIANA
PROFESSIONAL ENGINEER

Brandon T. Burke
DATE: 7/02/04

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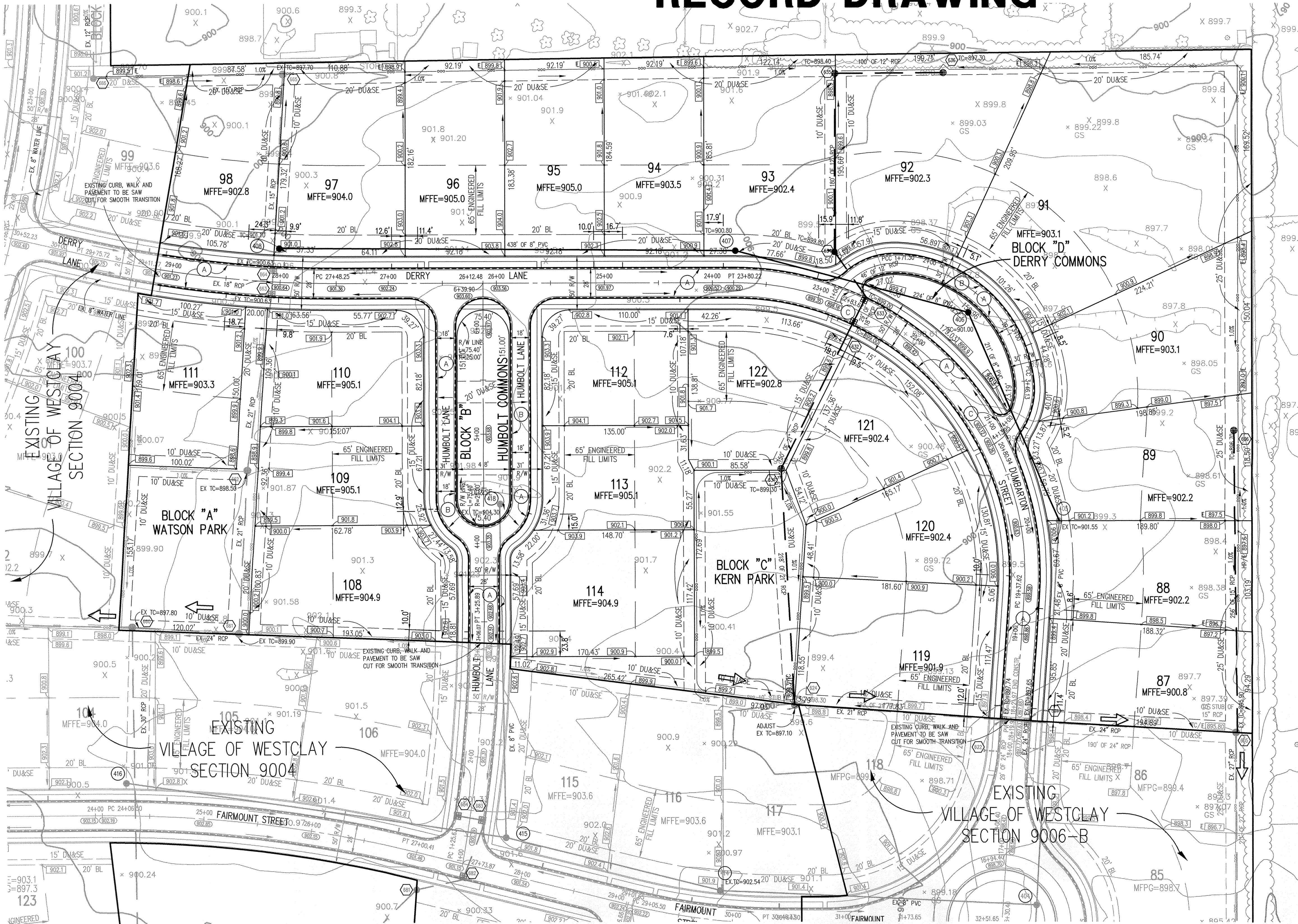
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















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

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Landscape Architecture
Transportation Engineering

Village of WestClay
SECTION 9007
CARMEL, INDIANA
BRENNICK DEVELOPMENT CO.
CARMEL, INDIANA



- ### 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
 -  Flow Arrow
 -
 -
 -  Swale (E)
 -  Water Main
 -  Existing Trees
 -  Existing Gas Main
 -  Existing Telephone
 -  Existing Water Main
 -  Existing Flowline
 -  Existing Overhead Utilities
- MFGP Minimum Flood Protection Grade
2' Above 100 yr Flooding Source
(Lowest Structure Opening Permitted: window, door, etc.)
-  Emergency Flood Routing
-  2' Chairback Curve
-  2' Chairback Curb w/o Gutter
-  2' Valley Cutter
- MFFE Minimum Finished Floor Elevation
1' Above Highest Lot Grade

ASSUMED NORTH
SCALE: 1"=50'

CAUTION:
EXISTING 8" DUCTILE IRON WATERMAIN
ALONG DUMBARTON STREET.

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

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

Storm Sewer Structure Table

STR.#	T.C.	INV. IN	INV. OUT	DEPTH	STR. SIZE	STR. TYPE	NEENAH CASTING TYPE	PIPE SIZE	DIRECTION
								IN	OUT
606	896.70	892.02	892.02	3.24'	48"	MANHOLE	R-4342	15"	S
631	899.30	892.96	892.96	4.36'	48"	MANHOLE	R-4342	21"	NE S
632	899.00	893.26	893.26	3.76'	36"x36"	CURB INLET	R-3010	18"	NE SW
633	899.00	893.32	893.32	3.97'	24"x24"	CURB INLET	R-3010	12"	NW SW
634	899.80	893.46	893.46	5.17'	48"	MANHOLE	R-1772-A	12"	N SE
635	898.40	894.00	894.00	3.23'	48"	MANHOLE	R-4342	12"	E S
636	897.30	894.30	894.30	1.83'	24"x24"	BEEHIVE INLET	R-4342	12"	W
EX605	895.92	890.91	890.67	2.49'		EXISTING	R-4342	15"	N S
EX624	898.30	892.15	892.15	4.17'		EXISTING	R-4342	21"	N E

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

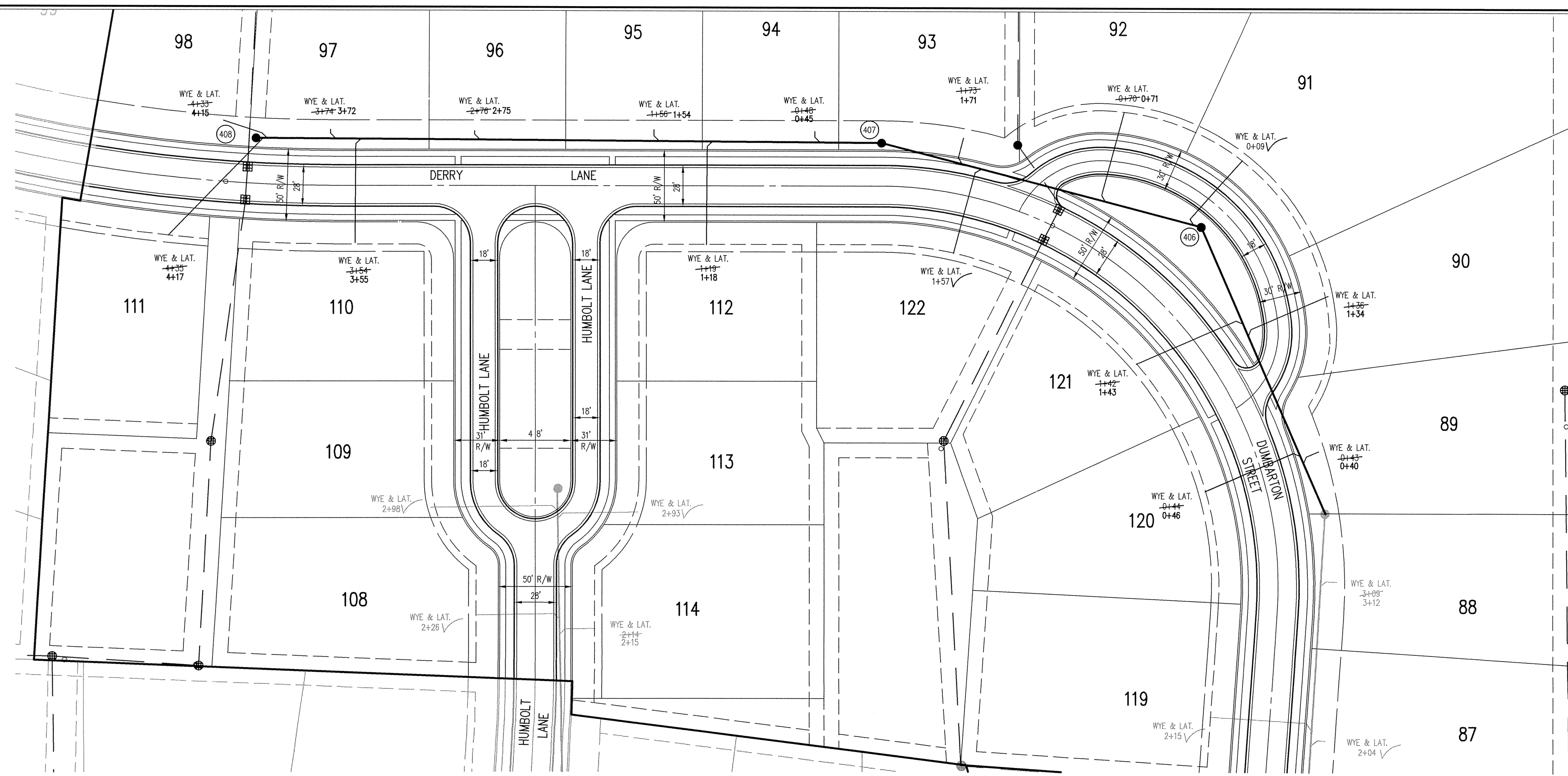
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Entry Date: 3-16-07
Entered By: SLM

BENCHMARK

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

DATE: 7/2/04 PROJECT NO.: 1238.9007
DRAWN BY: BET CHECKED BY:
SHEET TITLE: DEVELOPMENT PLAN
DRAWING FILES: N:\238\9007\DWG\C101.DWG
XREF: 9004-B5.DWG, 9007-B5.DWG
XREF: 9005-B5.DWG, 9006-B5.DWG
XREF: CAILING, C202.DWG
XREF: NOR-B5.DWG
SHEET NO.: C101



HOLEY MOLEY SAYS "DON'T DIG BLIND"

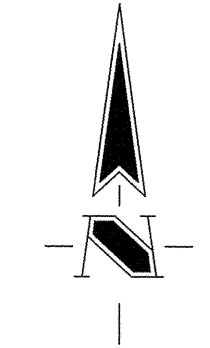
"IT'S THE LAW"
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544

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.

CONTACT THE CITY OF CARMEL UTILITY
DEPARTMENT AT (317) 571-2648 FOR
FIELD LOCATIONS OF CITY WATER MAINS

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 (MH).
- 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 RUNNING 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.



BENCHMARK

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

Sheet Number	Description
C801 8	Precast Reinforced Concrete Manhole
C801 9	Sanitary Sewer Bedding Detail
C801 10	Service Connection for Shallow Sewer
C801 11	Wye & Lateral Capping Detail

LEGEND/DETAILS

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

REVISIONS:
1. 04/19/05 RECORD DRAWING
2.

BRANDON T. BUNK
REGISTERED
No. 0000075
STATE OF INDIANA
PROFESSIONAL ENGINEER

Brandon T. Bunk
DATE: 7/02/04
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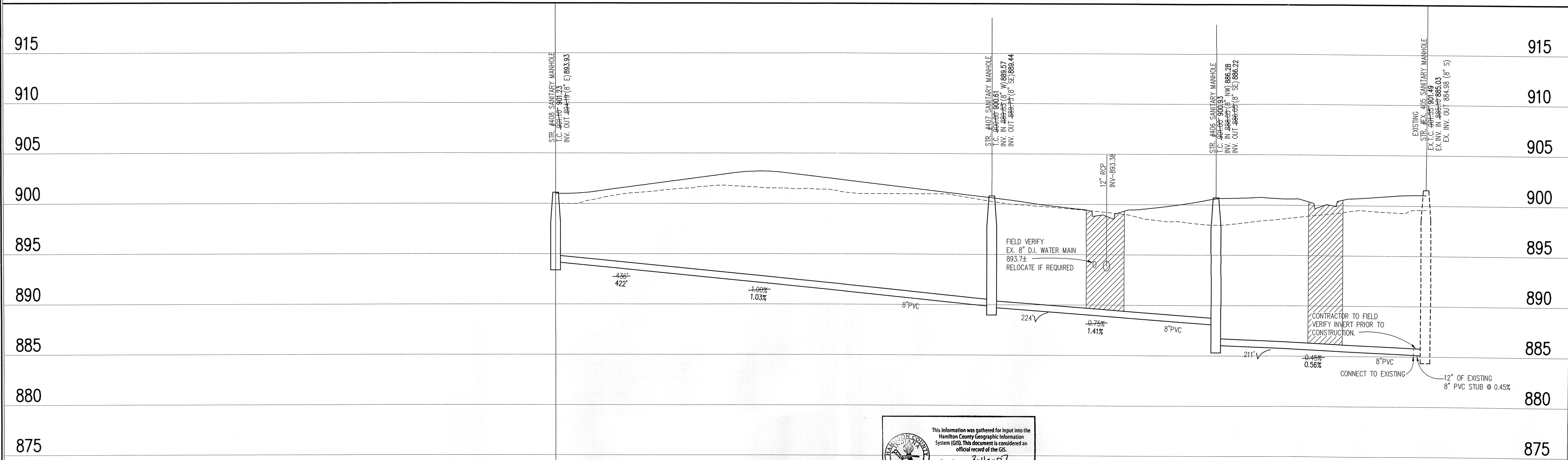
Schneider

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

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SANITARY 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: 3-16-07
Entered By: SLM

SANITARY SEWER RECORD DRAWING

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

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

SANITARY SEWER PROFILE

Village of WestClay
SECTION 9007
CARMEL, INDIANA
BRENNICK DEVELOPMENT CO.
CARMEL, INDIANA

DATE: 7/2/04	PROJECT NO.: 1238.9007
DRAWN BY: DCC	CHECKED BY:
SHEET TITLE: SANITARY SEWER PLAN & PROFILE	
DRAWING FILES: N:\228\9007\DWG\CS401.DWG XREF: 9007-BS.DWG XREF: 9004-BS.DWG XREF: 9006-B-BS.DWG XREF: SANITARY.DWG	

SHEET NO.: **C401**

BENCHMARK

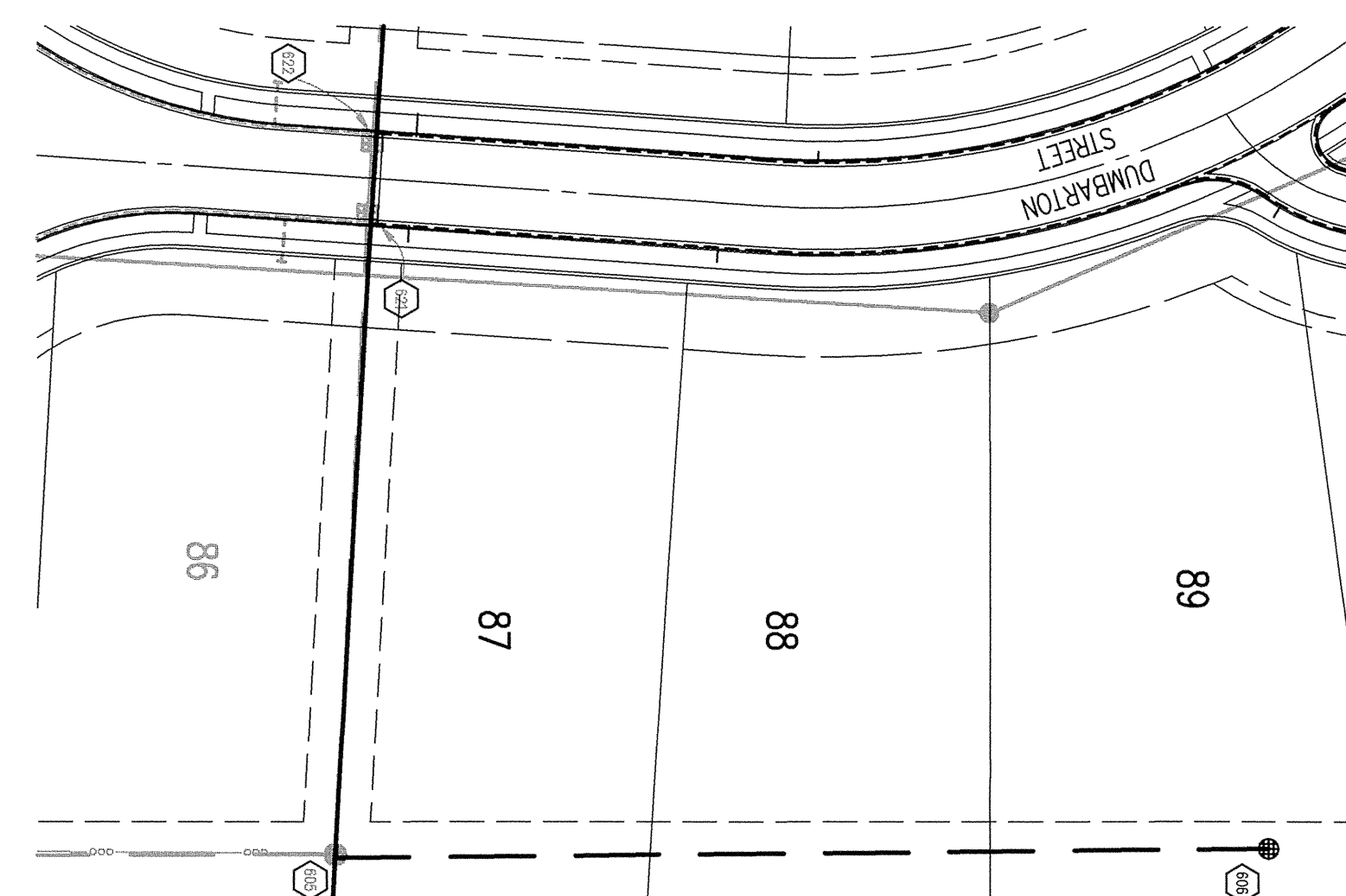
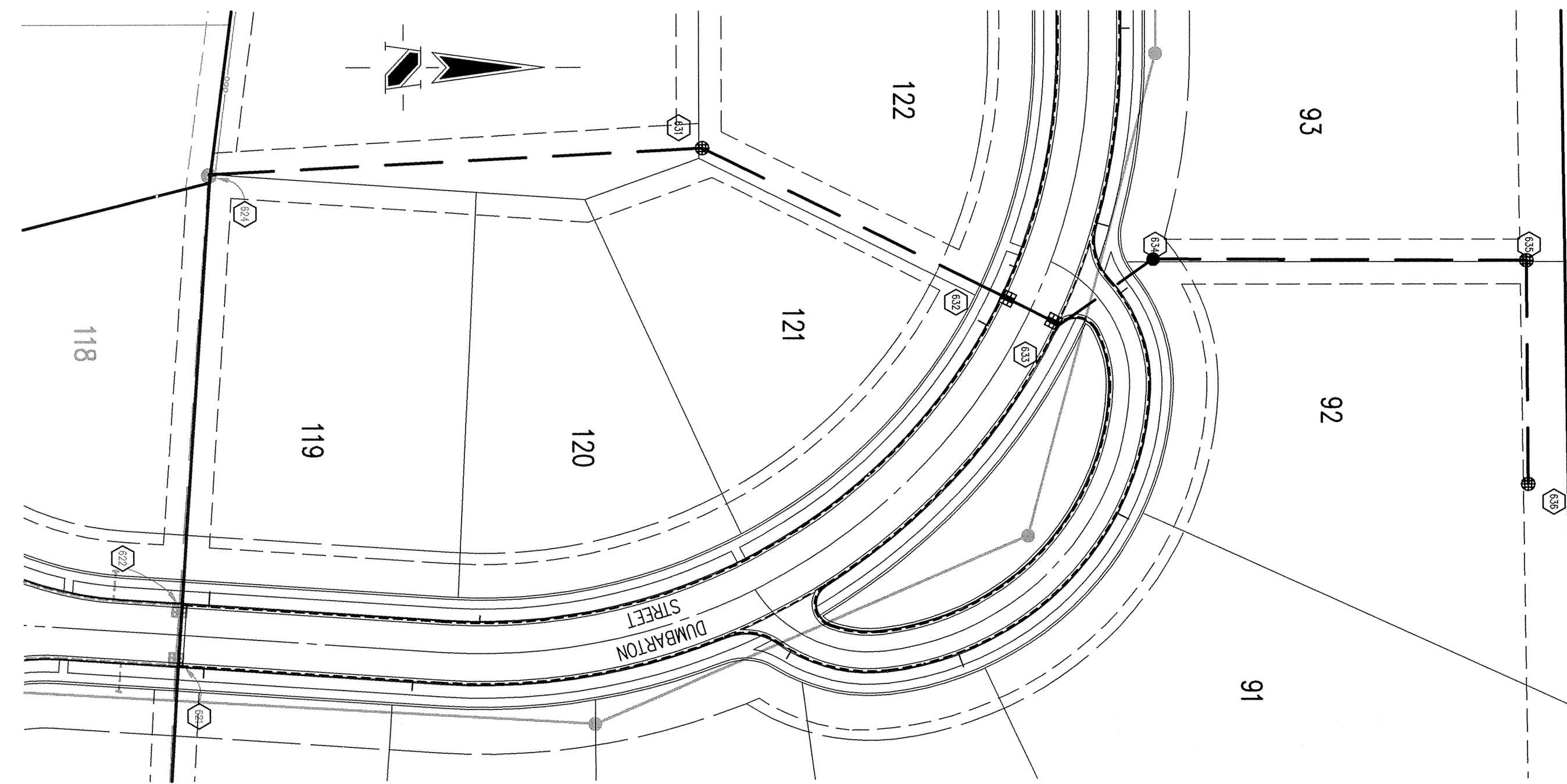
TBM #44
 USGS BENCHMARK
 CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT
 EAST SIDE HOOVER RD. ±100' SOUTH OF CLARIDGE
 FARM ENTRANCE.
 ELEVATION - 893.39

GENERAL NOTES

- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
- ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
- CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.
- GRANULAR BACKFILL PLACED UNDER PAVED AREAS TO BE COMPACTED IN LIFTS.

Sheet Number	Description
C601 14	Bedding Detail - Reinforced Concrete Pipe (RCP)
C601 16,18	Curb Inlet Detail
C601 17	Beehive Inlet Detail
C601 15,19	Storm Manhole Detail
C601 12	Precast Concrete End Section
C601 20	RipRap Detail @ End Section

LEGEND/DETAILS



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.

CONTACT THE CITY OF CARMEL UTILITY
 DEPARTMENT AT (317) 571-2648 FOR
 FIELD LOCATIONS OF CITY WATER MAINS.

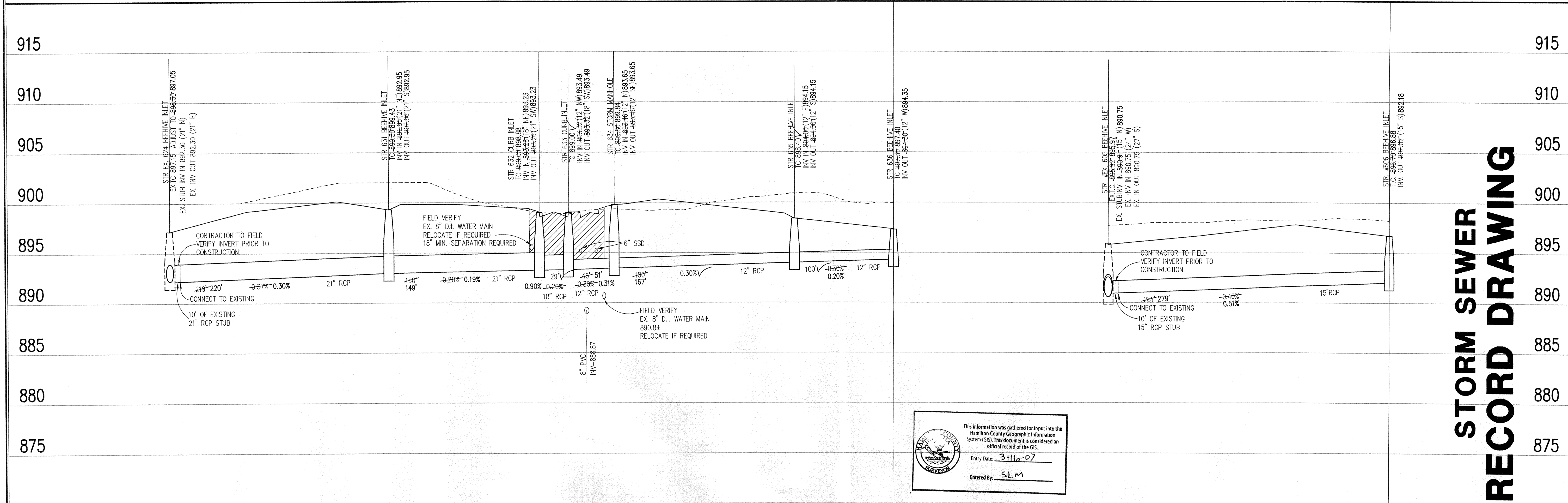
REVISIONS:
 1. DEC. 8/19/04 REVISION PER IAC COMMENTS.
 2. FEB. 6/19/05 RECORD DRAWING

BRANDON T. BURKE
 REGISTERED
 No. 0000075
 STATE OF INDIANA
 PROFESSIONAL ENGINEER
 Brandon T. Burke
 DATE: 7/02/04
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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: 3-11-07
 Entered By: SLM

STORM SEWER PROFILE

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

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

Village of WestClay
 SECTION 9007
 CARMEL, INDIANA
 BRENNICK DEVELOPMENT CO.
 CARMEL, INDIANA

DATE: 7/2/04	PROJECT NO.: 1238.9007
DRAWN BY: DCC	CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: N:\1238\9007\DWGS\C601.DWG XREF: 9007-BS.DWG XREF: 9004-BS.DWG XREF: 9006-BS.DWG XREF: STORM.DWG	

SHEET NO.: **C601**



WATER LINE RECORD DRAWING

ASSUMED NORTH
SCALE: 1"=50'

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.
CONTACT THE CITY OF CARMEL UTILITY DEPARTMENT AT (317) 571-2648 FOR FIELD LOCATIONS OF CITY WATER MAINS.

LEGEND

	Existing Storm Sewer
	New Storm Sewer
	Existing Sanitary Sewer
	New Sanitary Sewer
	New Water Line
	Existing Water Line
	Ductile Iron Pipe
	Water Service Lateral

GENERAL NOTES

- NOTE:
- SERVICE LATERALS ARE TO BE 1" DIRECT TAPS.
 - FOR ALL WATER DISTRIBUTION NOTES, LEGEND AND DETAILS SEE SHEET C702.
 - ALL MECHANICAL JOINT FITTINGS WILL BE MEGALUG RESTRAINING JOINT FITTINGS.
 - ALL VALVES SHALL NOT BE LOCATED UNDER PAVEMENT.
 - WARNING TAPE SHALL BE INSTALLED 12" TO 18" ABOVE WATER MAIN.

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Entry Date: 3-16-07
Entered By: SLM

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

BRANDON T. BURKE
REGISTERED
No. 0000075
STATE OF INDIANA
PROFESSIONAL ENGINEER

Brandon T. Burke

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Transportation Engineering

Village of WestClay
SECTION 9007
CARMEL, INDIANA
BRENNICK DEVELOPMENT CO.
CARMEL, INDIANA

DATE: 7/2/04	PROJECT NO.: 1238.9007
DRAWN BY: DCC	CHECKED BY:
SHEET TITLE: WATER DISTRIBUTION PLAN	
DRAWING FILES: N:\1238\9007\DWG\C701.DWG XREF: 9004-B5.DWG, 9007-B5.DWG XREF: 9005-B5.DWG, 9006-B5.DWG XREF: C618.DWG, C620.DWG XREF: NOR-B5.DWG	
SHEET NO.: C701	