

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

December 13, 2010

TO: Hamilton County Drainage Board

RE: Village of West Clay Drain, Section 10010A Arm.

Attached is a petition filed by Pulte Homes of Indiana, LLC., along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 10010A 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	1,034 ft.	6" SSD	1,645 ft.
15" RCP	687 ft.	6" HDPE	12 ft.
18" RCP	856 ft.		

This proposal will add an additional 4,234 feet to the drains total length

The retention pond (Pond #1) which are located in common area Block "B" 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 (Pond #1) shall be the responsibility of the Homeowners Association as per the subdivision covenants on pages 11 and 12, sections 4 and 5, as 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). Only the main SSD lines which are located within the easements are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portions of the SSD which will be regulated are as follows:

From Str. 620 to Str. 633 in the rear yards of lots 1029, 1030, 1031, and 1032.
From Str. 620 to Str. 626 in the rear yards of lots 1033, 1034, 1035, and 1036.
From Str. 626 to Str. 614 in the rear yards of lots 1037, 1038, 1039, and Common Area Block A
From Str. 610 running South in Common Area Block B
From Str. 610 running North in Common Area Block B
From Str. 629 running South in Common Area Block B
From next to Str. 616 running East then South in Common Area Block B

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 \$2,896.36.

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:

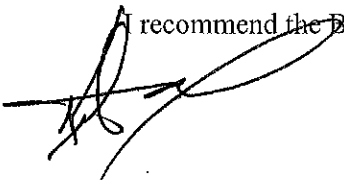
Agent: The Continental Insurance Company
Date: September 28, 2010
Number: 929513856
For: Storm Sewers
Amount: \$160,964.09

Parcels assessed for this drain will also be assessed for the J.W. Brendle 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 10010-A as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 24, 2011.



Kenton C. Ward, CFM
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

In the matter of _____ the Village of WestClay _____ Subdivision, Section
10010-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 West Clay Section 10010-A, 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.

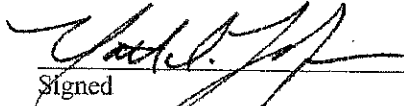
SEP 03 2010

OFFICE OF HAMILTON COUNTY SURVEYOR

Adobe PDF Ffillable Form

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 _____
MATTHEW D. LOHMEYER
Printed Name _____
8/27/10
Date _____

Signed _____

Printed Name _____

Date _____

Signed _____

Printed Name _____

Date _____

Signed _____

Printed Name _____

Date _____

FINDINGS AND ORDER

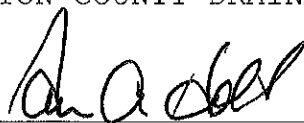
CONCERNING THE MAINTENANCE OF THE

Village of West Clay Drain, Section 10010A Arm

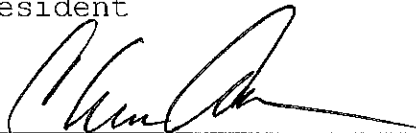
On this **24th day of January, 2011**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Village of West Clay Drain, Section 10010A Arm**.

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.

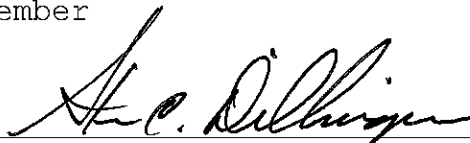
HAMILTON COUNTY DRAINAGE BOARD



President

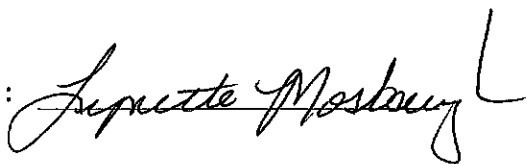


Member



Member

Attest:



BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF THE

Village of West Clay Drain Section 10010-A Arm

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **January 24, 2011** has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Village of West Clay Drain, Section 10010-A & 10010-B Arms

NOTICE

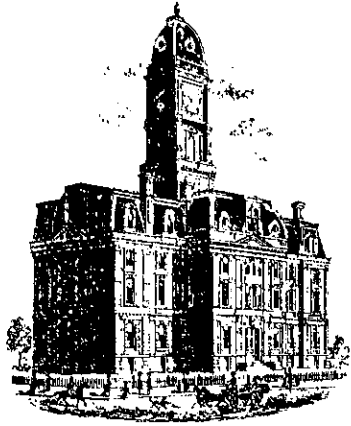
To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Village of West Clay Drain, Section 10010-A & 10010-B Arms** on **January 24, 2011** at **9:05 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY



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 19, 2011

Re: Village of West Clay: Section 10010A

Attached are as-builts, certificate of completion & compliance, and other information for Village of West Clay: Section 10010A. 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 December 13, 2010. The report was approved by the Board at the hearing held January 24, 2011. (See Drainage Board Minutes Book 12, Pages 240-244) The changes are as follows: The 12" RCP was shortened from 1,034 feet to 1,021 feet. The 15" RCP was lengthened from 687 feet to 701 feet. The 18" RCP was shortened from 853 feet to 856 feet. The 6" SSD was lengthened from 1645 feet to 1752 feet. The length of the drain due to the changes described above is now **4339 feet**.

The non-enforcement was approved by the Board at its meeting on January 24, 2011 and recorded under instrument #2011006750. The following surety was guaranteed by Continental Insurance Company and released by the Board on its May 23, 2011 meeting.

Bond-LC No: 929513856
Insured For: Storm Sewers
Amount: \$160,964.09
Issue Date: September 28, 2010

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

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: **VILLAGE OF WEST CLAY 10010-A**

I hereby certify that:

1. I am a Registered ~~Land Surveyor~~ or 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 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: David K. Sexton Date: November 23, 2010

Type or Print Name: David Sexton, P.E.

Business Address: The Schneider Corporation
8901 Otis Avenue, Indianapolis, IN 46216

Telephone Number: 317-826-7317

SEAL

INDIANA REGISTRATION NUMBER

9500028



VILLAGE OF WESTCLAY SECTIONS 10010-A & 10010-B

(CONSTRUCTION PLANS)

HAMILTON COUNTY CARMEL, INDIANA

DEVELOPER:

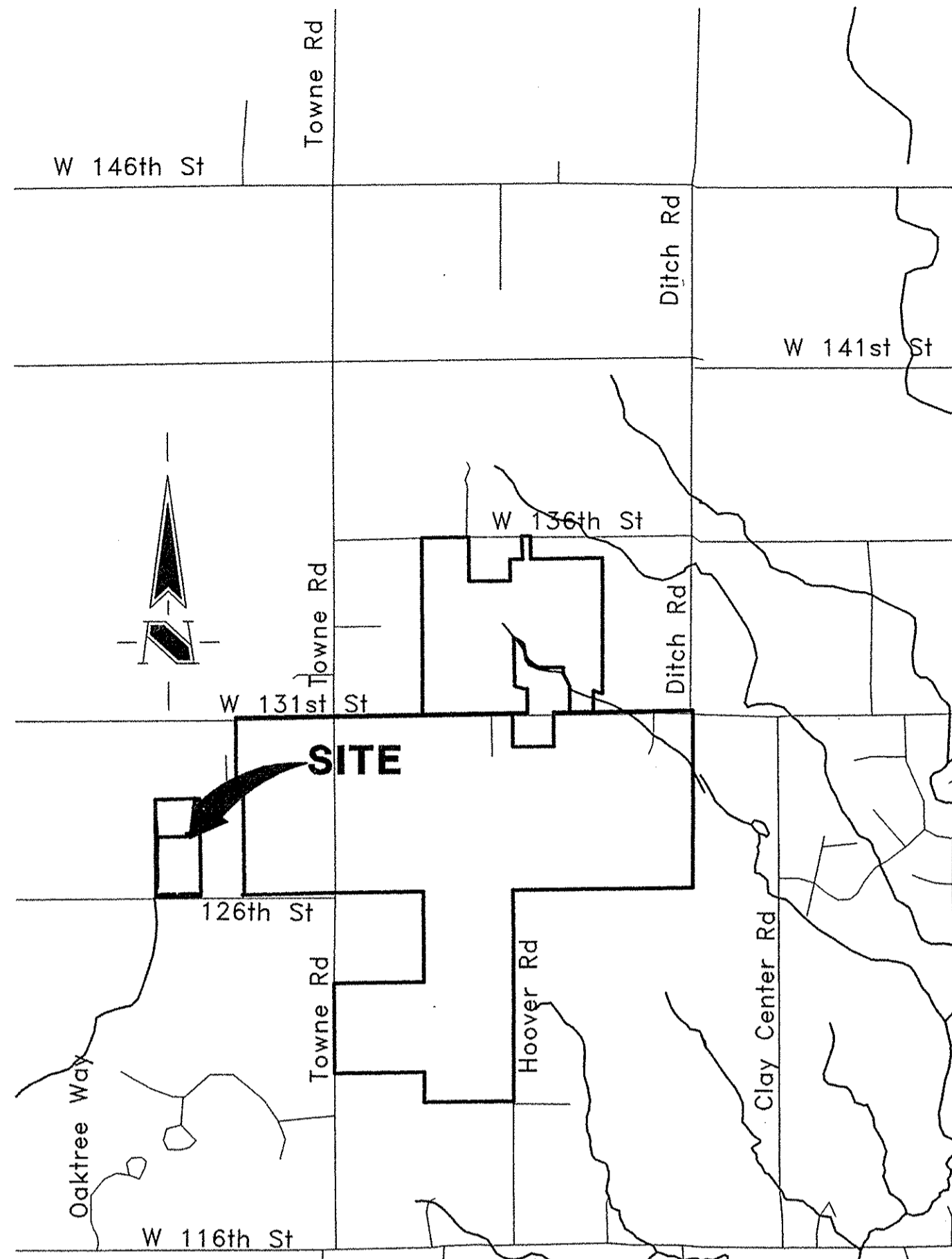
PULTE HOMES OF INDIANA, LLC

11590 N. MERIDIAN STREET, SUITE 530
INDIANAPOLIS, INDIANA 46032

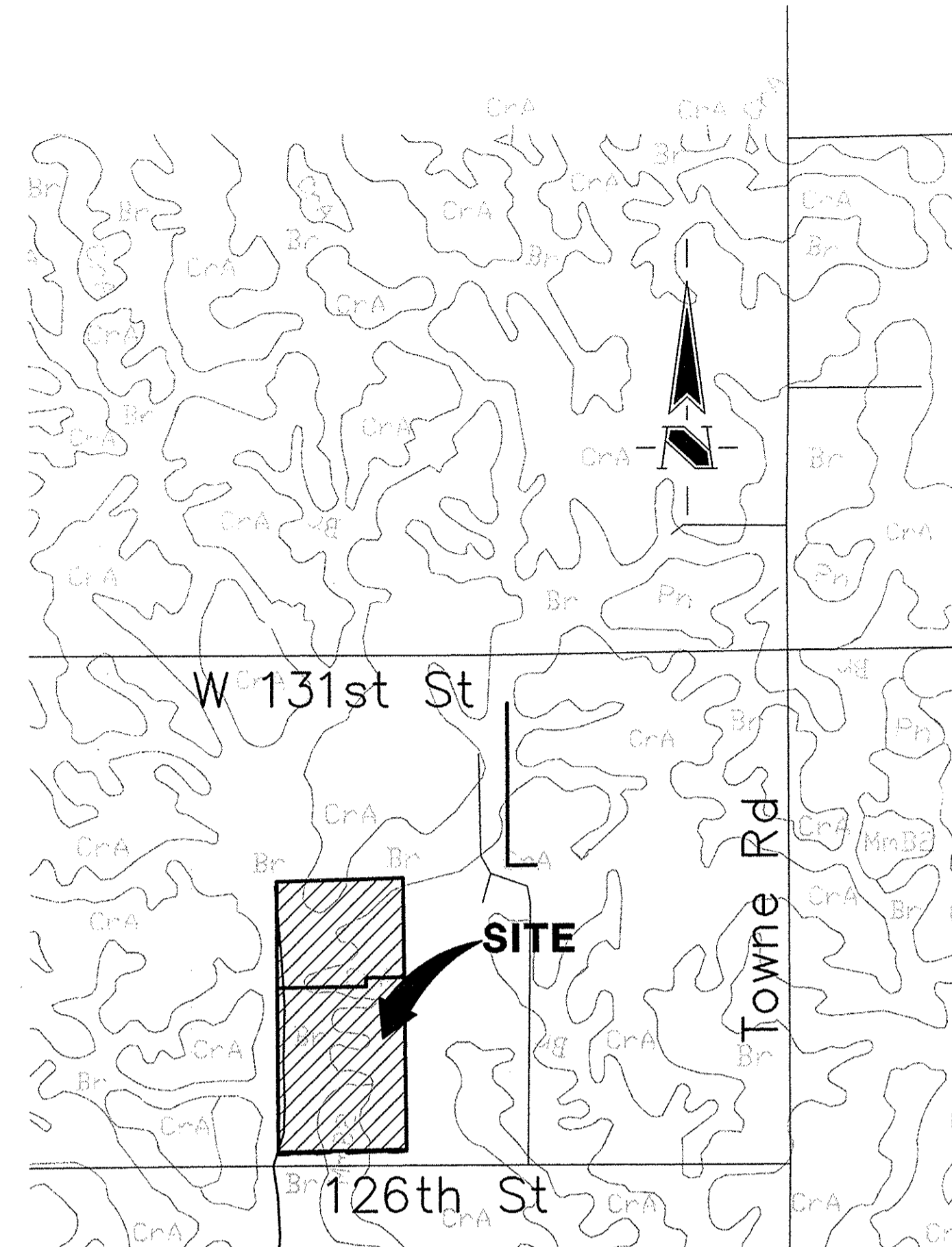
(317) 575-2350

(317) 575-2355 FAX

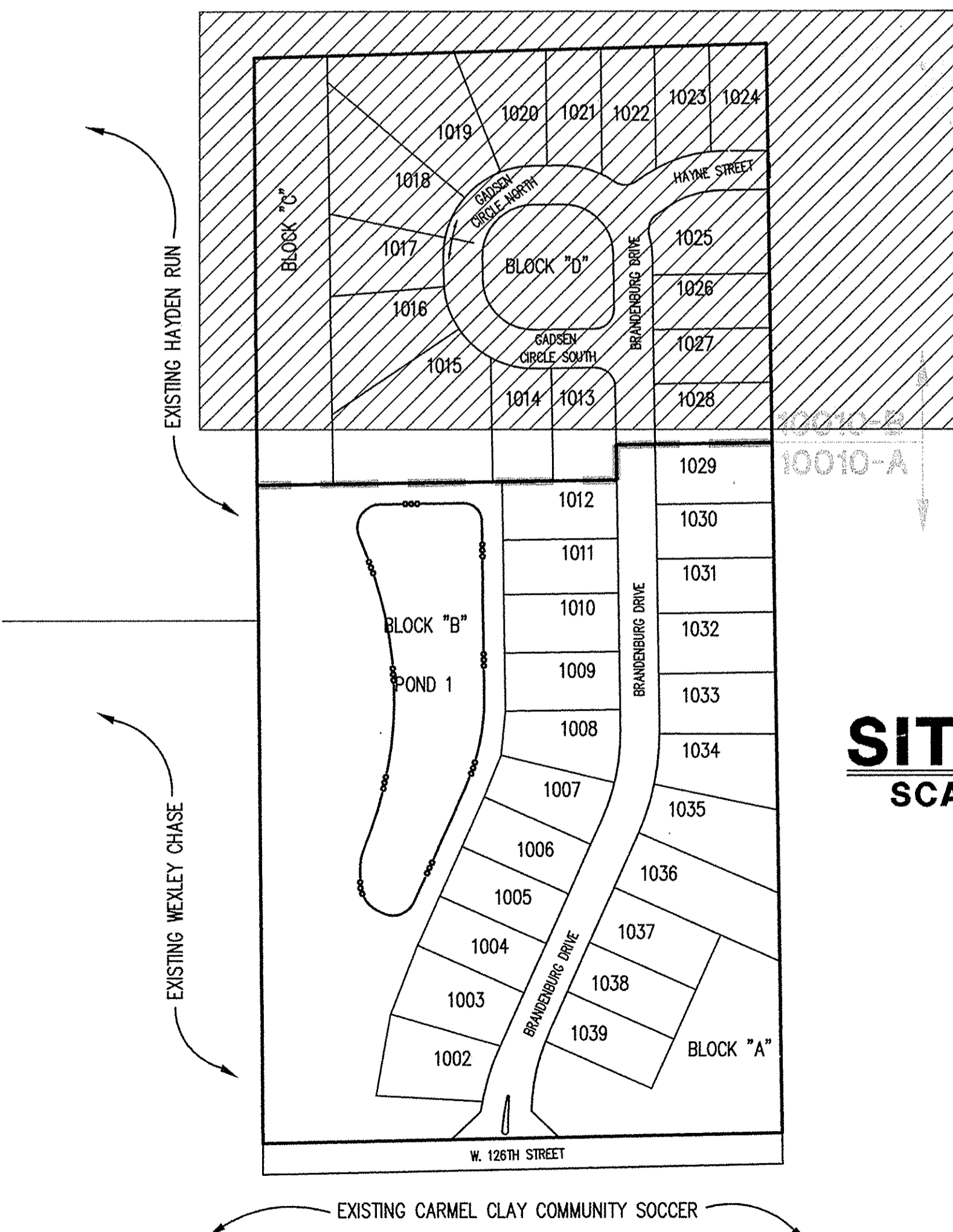
MATT LOHMEYER - E-MAIL: matthew.lohmeyer@pulte.com



AREA MAP
NOT TO SCALE



SOILS MAP
NOT TO SCALE



SITE MAP
SCALE: 1"=150'

VILLAGE OF WESTCLAY SECTION 10010-A LAND DESCRIPTION

Part of the Southeast Quarter of Section 29, Township 18 North, Range 3 East of the Second Principal Meridian, Clay Township, Hamilton County, Indiana, more particularly described as follows:

COMMENCING at the Southwest Corner of said Southeast Quarter Section; thence North 00 degrees 24 minutes 33 seconds West (Assumed Bearing) along the West line of said Southeast Quarter a distance of 40.00 feet to a point on the north right-of-way line of East 126th Street, to the Point of Beginning, thence continuing North 00 degrees 24 minutes 33 seconds West along said West line a distance of 848.76 feet; thence North 89 degrees 13 minutes 34 seconds East a distance of 462.38 feet; thence North 00 degrees 46 minutes 26 seconds West a distance of 45.46 feet; thence North 89 degrees 13 minutes 34 seconds East a distance of 200.00 feet; thence South 00 degrees 46 minutes 26 seconds East a distance of 899.84 feet to the north right-a-way line of said East 126th Street; thence South 88 degrees 51 minutes 10 seconds West along said right-of-way line a distance of 667.79 feet to the Point of Beginning. Containing 13.134 acres, more or less.

VILLAGE OF WESTCLAY SECTION 10010-B LAND DESCRIPTION

Part of the Southeast Quarter of Section 29, Township 18 North, Range 3 East of the Second Principal Meridian, Clay Township, Hamilton County, Indiana, more particularly described as follows:

COMMENCING at the Southwest Corner of said Southeast Quarter Section; thence North 00 degrees 24 minutes 33 seconds West (Assumed Bearing) along the West line of said Southeast Quarter Section a distance of 888.76 feet to the Point of Beginning; thence continuing North 00 degrees 24 minutes 33 seconds West along said West line a distance of 545.63 feet; thence North 88 degrees 29 minutes 35 seconds East a distance of 838.94 feet; thence South 00 degrees 46 minutes 26 seconds East a distance of 511.60 feet; thence South 89 degrees 13 minutes 34 seconds West a distance of 200.00 feet; thence South 00 degrees 46 minutes 26 seconds East a distance of 45.46 feet; thence South 89 degrees 13 minutes 34 seconds West a distance of 462.38 feet to the Point of Beginning. Containing 8.176 acres, more or less.

EXISTING ZONING = Z-465-04

ROADWAY DESIGN SPEED = 20MPH

STORM SEWER SANITARY SEWER WATER LINE GRADING RECORD DRAWING

INDEX	
SHEET No.	DESCRIPTION
C100	COVER SHEET
C101- C102	DEVELOPMENT PLAN
C103-C104	PRE-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
C105-C106	STORMWATER POLLUTION PREVENTION PLAN
C107	TRAFFIC CONTROL PLAN
C201-C202	STREET PLAN & PROFILES
C301	INTERSECTION DETAILS
C302	ENTRANCE PLAN & MAINTENANCE OF TRAFFIC PLAN
C401-C402	SANITARY SEWER PLAN AND PROFILES
C601-C604	STORM SEWER PLAN AND PROFILES
C701-C702	WATER DISTRIBUTION PLAN
C703	WATER DETAILS AND SPECIFICATIONS
C801-C803	GENERAL DETAILS
C804-C805	STORMWATER POLLUTION PREVENTION DETAILS AND SPECIFICATIONS
C806	VofSentry DETAILS
C901	SPECIFICATIONS
C902	CARMEL SPECIFICATIONS



The Schneider Corp.
Historic Fort Harrison
8901 Otis Avenue
Indianapolis, Indiana 46123
317-826-7100
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www.schneidercorp.com

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

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *David K. Sexton*

THE SCHNEIDER CORPORATION
8901 OTIS AVENUE
INDIANAPOLIS, IN 46216
(317) 826-7100 FAX (317) 826-7300

NOTE:

DAVID K. SEXTON
REGISTERED
No. 9500028
STATE OF INDIANA
PROFESSIONAL ENGINEER
DATE: 11/19/2010

REVISIONS:	DATE:	BY:	DESCRIPTION:
	08/25/10	DCC	ALL SHEETS, TAC COMMENTS
	09/02/10	DCC	ALL SHEETS, TAC COMMENTS
	09/09/10	DCC	C100, C105, C106, C804: PER TAC COMMENTS
	09/13/10	DCC	C101, C102, C302: PER TAC COMMENTS
	09/16/10	DCC	C100, C401, C402, C701 & C702
	09/22/10	DCC	C100, C101, C105, C106, C601 & C806
	10/07/10	DCC	ALL SHEETS
	10/14/10	DCC	C100, C101, C401

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

PROJECT ENGINEER: TPG
CHECKED BY: DKS DATE CHECKED: 07/15/2010

© 2010, The Schneider Corporation

JOB No. 1238.1010A

This information was prepared for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.

Entry Date: 11/19/2010
Entered By: *GLM*

DATE: 07/19/2010

SHEET
C100
OF
29

Plot Date: Nov 18, 2010 Plot Time: 2:40pm File Name: T:\1K\1238\1010A\DWGS\C100.dwg Layout: C100 By: dcc

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



LEGEND

- Existing Storm Sewer
New Storm Sewer
Existing Sanitary Sewer
New Sanitary Sewer
Existing Contour
Existing Elevation
New Pavement Grade
All Other Finish Grades
Match Existing Grades
Storm Structure Number
Sanitary Structure Number
Flow Arrow
6" Subsurface Drain (w/4" Lateral Connection)
4" SSD Lot Lateral
Swale (ft) with Elevation
Water Main
Existing Trees
Existing Gas Main
Existing Telephone
Existing Water Main
Existing Flowline
Existing Overhead Utilities
Emergency Flood Routing
Denotes Elevation and Pad Size of 55'x65'
MFCG Minimum Flood Protection Grade 2' Above 100 Year Flooding Source (Lowest Structure Opening Permitted)
Section A & B Breakline

ASSUMED NORTH SCALE: 1" = 50'

BENCHMARK

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

MLAG - Minimum Lowest Adjacent Grade:

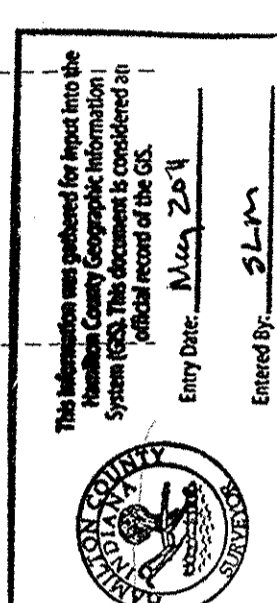
The elevation of the lowest grade adjacent to a structure, where the soil meets the foundation around the outside of the structure (including structural members such as basement walkout, patios, decks, porches, support posts or piers and rim of window wells.

MFCG - Minimum Flood Protection Grade.

The minimum flood protection elevation of all structures fronting a pond or open ditch shall be no less than 2' above any adjacent 100-year local or regional flood elevation (whichever is greater) for all windows, doors, pipe entrances, window wells and any other structure member where floodwaters can enter a building.

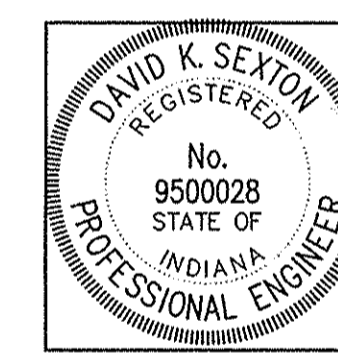
NOTE: All paving within the existing and proposed city right of way shall conform to the requirements of the Department of Engineering. The contractor shall contact the Department of Engineering to schedule a pre-construction meeting to review the Department's construction requirements, staff notification requirements, required inspections for certain stages of the work and to review the authority of the Department as it relates to work within the existing and proposed right of way.

NOTE: Any existing drain tiles encountered on this site during construction shall be crushed within the limits of the project site and if any extend upstream beyond the boundaries of the site shall be intercepted and routed to the storm sewer system or the J.W. Brendle legal drain.



CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: THE SCHNEIDER CORPORATION 8901 OTIS AVENUE INDIANAPOLIS, IN 46216 (317) 826-7100 FAX (317) 826-7300



NOTE: Record drawing certification only for horizontal locations of Storm Sewers, Sanitary Sewers, Water Lines, Hydrants, Water Valves, Sub-surface Drain connections and Grading.

DATE: 11/19/2010

STORM SEWER SANITARY SEWER WATER LINE GRADING RECORD DRAWING

NOTE: ALL SWALES DEPICTED TO HAVE A MINIMUM FLOWLINE SLOPE OF 1.0 % UNLESS OTHERWISE NOTED.

NOTE: ALL SWALES TO HAVE 6" DIAMETER DOUBLE WALL HI-Q SUBSURFACE DRAIN. SEE DETAIL, SHEET C802.

NOTE: NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.

NOTE: IF IT WILL BE NECESSARY TO RELOCATE EXISTING UTILITIES, THE EXPENSE OF SUCH RELOCATION SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. ALL UTILITY POLES SHALL BE LOCATED WITHIN ONE FOOT OF THE PROPOSED RIGHT-OF-WAY.

NOTE: IMPROVEMENTS FOR 126TH STREET DENOTED ON THE WITHIN PLANS WERE PROPOSED AND UNDER CONSTRUCTION AT THE TIME THESE PLANS WERE PREPARED. PROPOSED 126TH STREET IMPROVEMENTS SHOWN WERE TAKEN FROM PLANS PROVIDED BY USI CONSULTANTS, INC. DATED JANUARY 2, 2009.

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

NOTE: NO KNOWN EXISTING 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 18057C0206F.

GENERAL NOTES

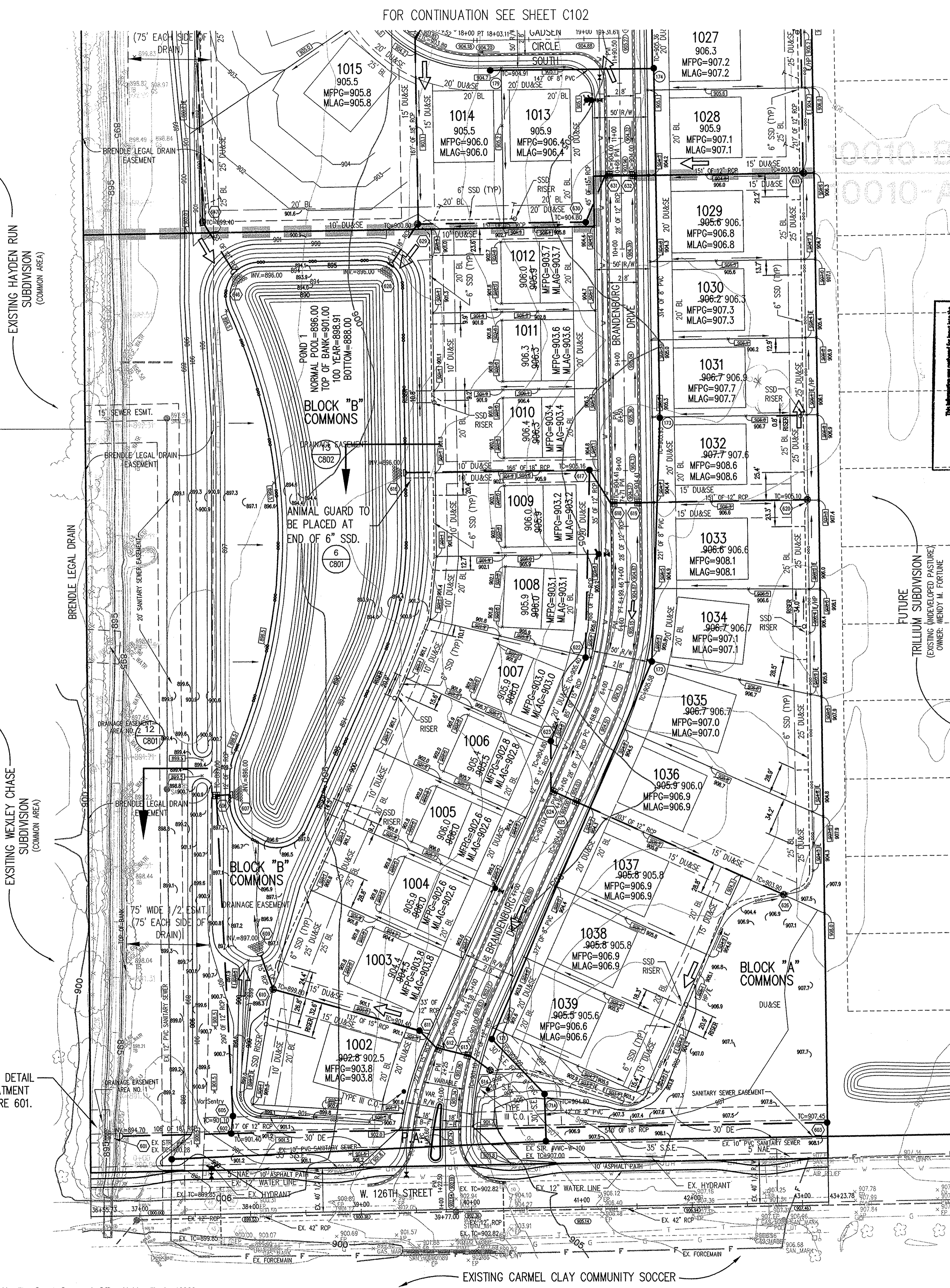
- 1. ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
2. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO HIS PHASE OF WORK. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATIONS FOR EACH UTILITY BEFORE WORK IS STARTED. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNER OR THE ENGINEER IN ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN THE FIELD BEFORE WORK IS STARTED OR RESUMED.
3. 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.
4. 4" CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
6. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
7. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.
8. 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.
9. ALL FILL AREAS (ENGINEERED FILL) SHALL BE COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD DRY DENSITY (ASTM D-1557). FILL UNDER THE FOOTING SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY (ASTM D-1557). FILL SHOULD EXHIBIT A MAXIMUM DRY DENSITY OF AT LEAST 105 PCF, AND HAVE A LIQUID LIMIT LESS THAN 50 AND PLASTICITY INDEX OF LESS THAN 25. SANDY FILL MUST HAVE LESS THAN 15% FINES PASSING A #200 SIEVE.
10. WATERMAIN VALVES SHALL NOT BE LOCATED UNDER PAVEMENT, SIDEWALK OR CURB.
11. 100 YEAR FLOODPLAINS, FLOODWAY FRINGS AND FLOODWAYS: NONE

DATE: 07/19/2010 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. © COPYRIGHTED BY THE SCHNEIDER CORP. (2010)

Schneider logo and contact information: THE SCHNEIDER CORPORATION, Historic Fort Harrison, 8901 Otis Avenue, Indianapolis, IN 46216-1037, Telephone: 317.826.7100, Fax: 317.826.7300, www.schneidercorp.com. Services include Architecture, Civil Engineering, Environmental Engineering, Geotechnical Services, GIS + LIS, Home Builder Services, Interior Design, Land Surveying, Landscape Architecture, Transportation Engineering.

Village of WestClay logo and address: VILLAGE OF WESTCLAY, INDIANA, SECTIONS 10010-A & 10010-B, CARMEL, INDIANA, PULTE HOMES OF INDIANA, LLC, 11590 N. MERIDIAN ST., SUITE 530, INDIANAPOLIS, IN 46032

Project information: DATE: 07/19/2010, PROJECT NO.: 1238.1010A, DRAWN BY: DCC, CHECKED BY: DKS, SHEET TITLE: DEVELOPMENT PLAN, SHEET NO.: C101



EXISTING HAYDEN RUN SUBDIVISION (COMMON AREA)

EXISTING WEXLEY CHASE SUBDIVISION (COMMON AREA)

SEE HCSD STANDARD DETAIL O-4 FOR BANK TREATMENT AT END OF STRUCTURE 601.

EXISTING CARMEL CLAY COMMUNITY SOCCER

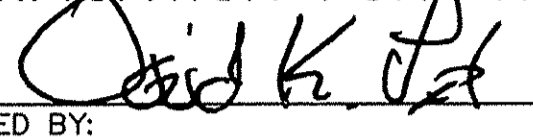
BENCHMARK

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:
 The storm sewer system shall be constructed per the design specified and as approved by the City of Carmel on the final approved construction plans. Deviations from the approved design shall only be permitted due to special circumstances or difficulty during construction and will require prior field approval from a designated representative of the City of Carmel in addition to supplemental approval by the design engineer. An explanation of any such deviation shall be included as a requirement on the as-built/record drawings submitted for release of performance guarantees. Approved design slopes identified as generating velocities of 2.5 fps or less or 10 fps or greater (at full flow capacity) shall require as-built certification at the time of construction, prior to backfilling the pipe. The contractor is instructed to as-built each section of storm pipe as it is being installed to ensure compliance with the design plans and as approved by the City of Carmel.

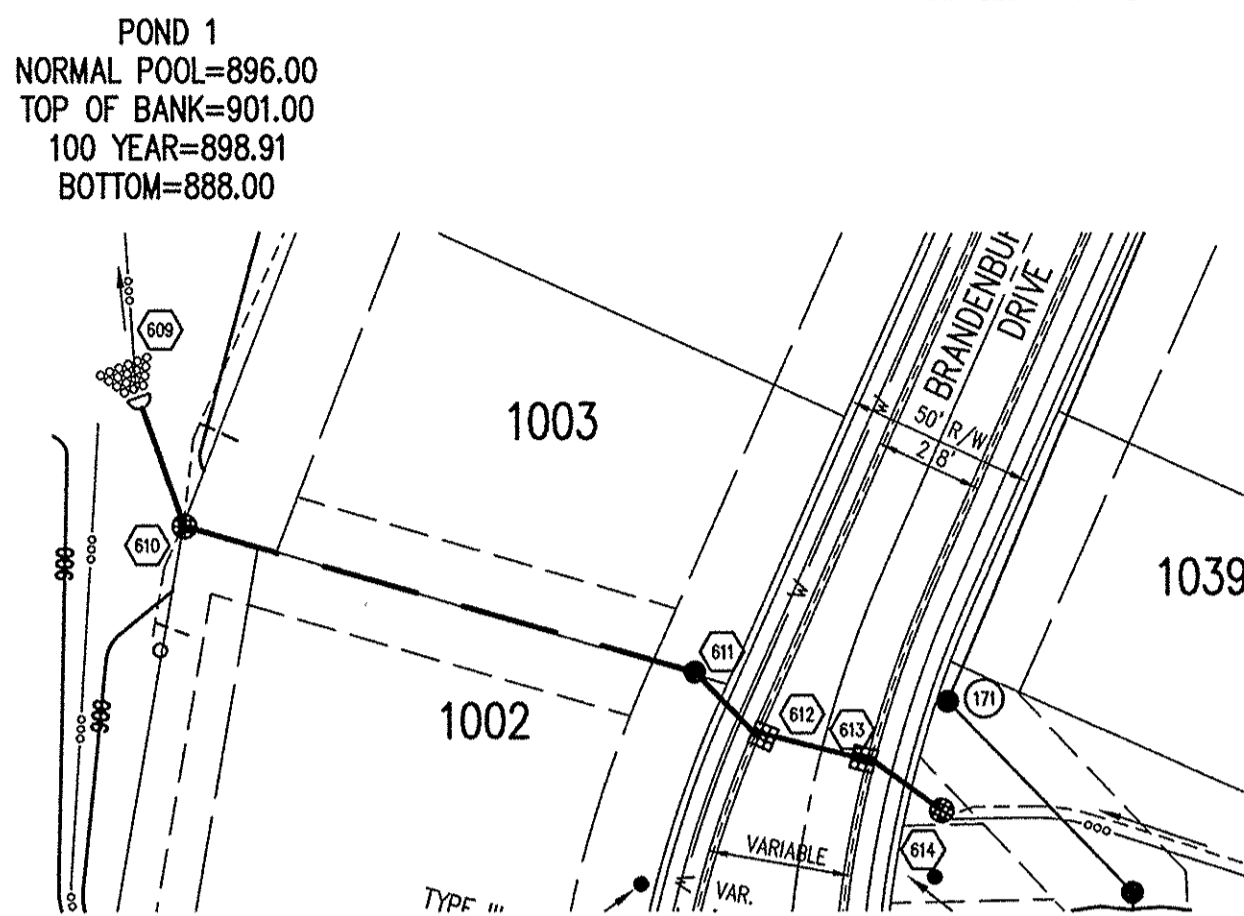
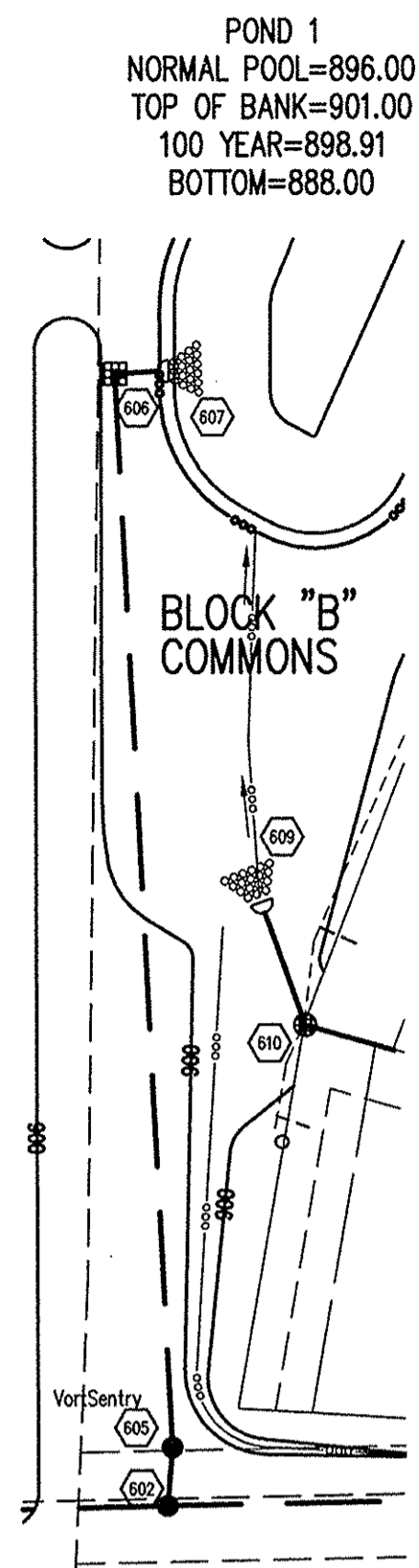
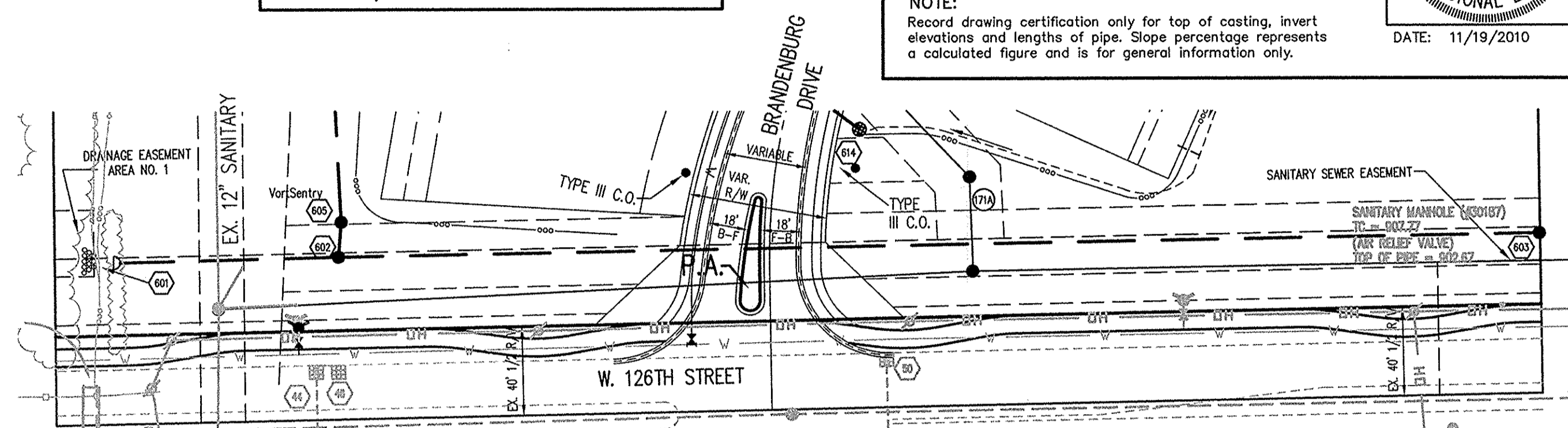
NOTE:
 IMPROVEMENTS FOR 126TH STREET DENOTED ON THE WITHIN PLANS WERE PROPOSED AND UNDER CONSTRUCTION AT THE TIME THESE PLANS WERE PREPARED. PROPOSED 126TH STREET IMPROVEMENTS SHOWN WERE TAKEN FROM PLANS PROVIDED BY USI CONSULTANTS, INC. DATED JANUARY 2, 2009.

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY:

DAVID K. SEXTON
 REGISTERED
 No. 9500028
 STATE OF INDIANA
 PROFESSIONAL ENGINEER
 DATE: 11/19/2010

SCHNEIDER ENGINEERING CORPORATION
 HISTORIC FORT HARRISON
 8901 OTIS AVENUE
 INDIANAPOLIS, INDIANA 46216
 (317) 826-7100 FAX (317) 826-7300

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.



STORM SEWER RECORD DRAWING

Sheet	Detail Number	Description
C802	7	Bedding Detail - Reinforced Concrete Pipe (RCP)
C801	9	Roll Curb Inlet Detail
C801	3	Beehive Inlet Detail
C801	4	Storm Manhole Detail
C801	7	Precast Concrete End Section
C801	8	RipRap Detail @ End Section

LEGEND/DETAILS

NOTE



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.

REVISIONS:
 1. DEC. 08/25/2010 REVISED PER TAC COMMENTS
 2. DEC. 09/22/2010 REVISED PER TAC COMMENTS
 3. DEC. 09/22/2010 REVISED PER TAC COMMENTS
 4. DEC. 10/07/2010 REVISED PER TAC COMMENTS
 5. DEC. 11/19/2010 RECORD DRAWING

DATE: 07/19/2010
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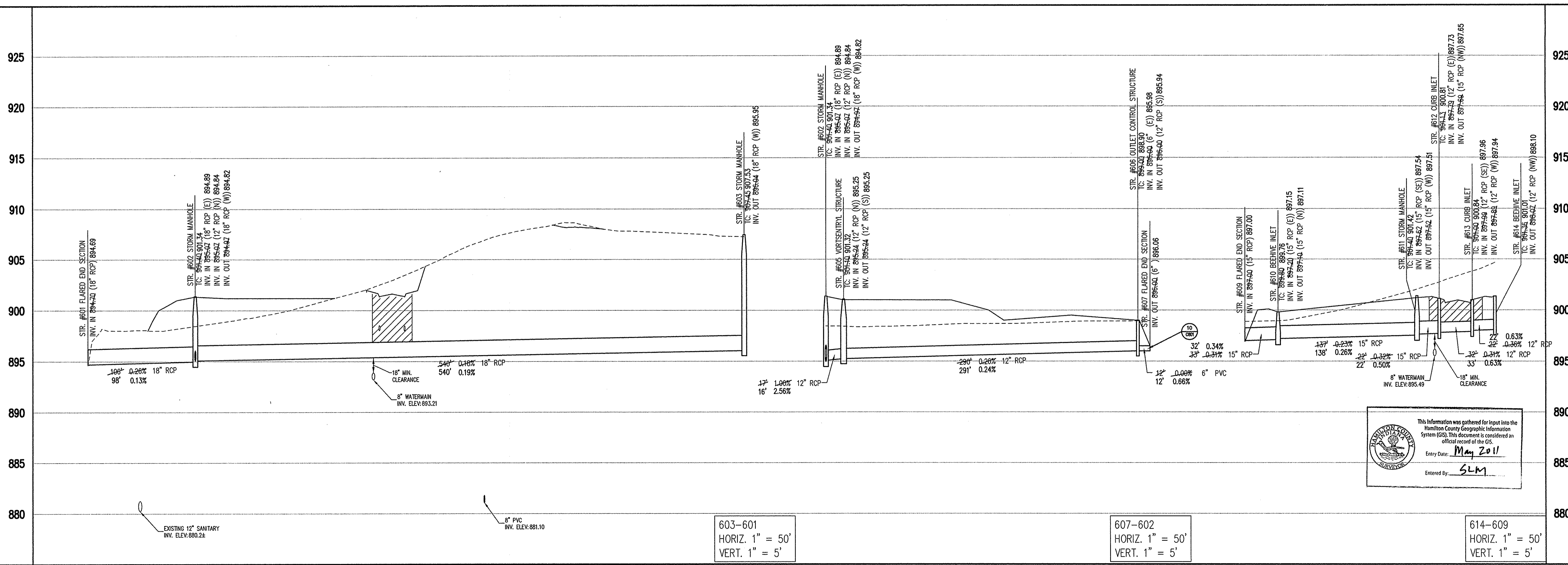
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 www.schneidercorp.com

Architecture
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Village of WestClay
SECTIONS 10010-A & 10010-B
 CARMEL, INDIANA
 PULTE HOMES OF INDIANA, LLC
 11590 N. MERIDIAN ST. SUITE 530, INDIANAPOLIS, IN 46032

STORM SEWER PLAN

STORM SEWER PROFILE



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 2011
 Entered By: SLM

603-601
 HORIZ. 1" = 50'
 VERT. 1" = 5'

607-602
 HORIZ. 1" = 50'
 VERT. 1" = 5'

614-609
 HORIZ. 1" = 50'
 VERT. 1" = 5'

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

DATE: 07/19/2010	PROJECT NO.: 1238.1010A
DRAWN BY: DCC	CHECKED BY: DKS
SHEET TITLE: STORM SEWER PLAN AND PROFILES	
DRAWING FILES: F:\V\1238\1010A\dwg\1010-01.dwg F:\V\1238\1010A\dwg\1010-02.dwg F:\V\1238\1010A\dwg\1010-03.dwg F:\V\1238\1010A\dwg\1010-04.dwg F:\V\1238\1010A\dwg\1010-05.dwg F:\V\1238\1010A\dwg\1010-06.dwg F:\V\1238\1010A\dwg\1010-07.dwg F:\V\1238\1010A\dwg\1010-08.dwg F:\V\1238\1010A\dwg\1010-09.dwg F:\V\1238\1010A\dwg\1010-10.dwg F:\V\1238\1010A\dwg\1010-11.dwg F:\V\1238\1010A\dwg\1010-12.dwg F:\V\1238\1010A\dwg\1010-13.dwg F:\V\1238\1010A\dwg\1010-14.dwg F:\V\1238\1010A\dwg\1010-15.dwg F:\V\1238\1010A\dwg\1010-16.dwg F:\V\1238\1010A\dwg\1010-17.dwg F:\V\1238\1010A\dwg\1010-18.dwg F:\V\1238\1010A\dwg\1010-19.dwg F:\V\1238\1010A\dwg\1010-20.dwg F:\V\1238\1010A\dwg\1010-21.dwg F:\V\1238\1010A\dwg\1010-22.dwg F:\V\1238\1010A\dwg\1010-23.dwg F:\V\1238\1010A\dwg\1010-24.dwg F:\V\1238\1010A\dwg\1010-25.dwg F:\V\1238\1010A\dwg\1010-26.dwg F:\V\1238\1010A\dwg\1010-27.dwg F:\V\1238\1010A\dwg\1010-28.dwg F:\V\1238\1010A\dwg\1010-29.dwg F:\V\1238\1010A\dwg\1010-30.dwg 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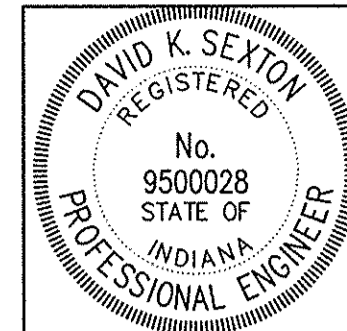
TBM #44
 USGS BENCHMARK
 CUT "X" NORTH BONNET BOLT IN FIRE HYDRANT
 EAST SIDE HOOVER RD. ±100' SOUTH OF CLARIDGE
 FARM ENTRANCE
 ELEVATION - 893.39

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *David K. Sexton*
 SCHNEIDER ENGINEERING CORPORATION
 HISTORIC FORT HARRISON
 8901 OTIS AVENUE
 INDIANAPOLIS, INDIANA 46216
 (317) 826-7100 FAX (317) 826-7300

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.

DATE: 11/19/2010

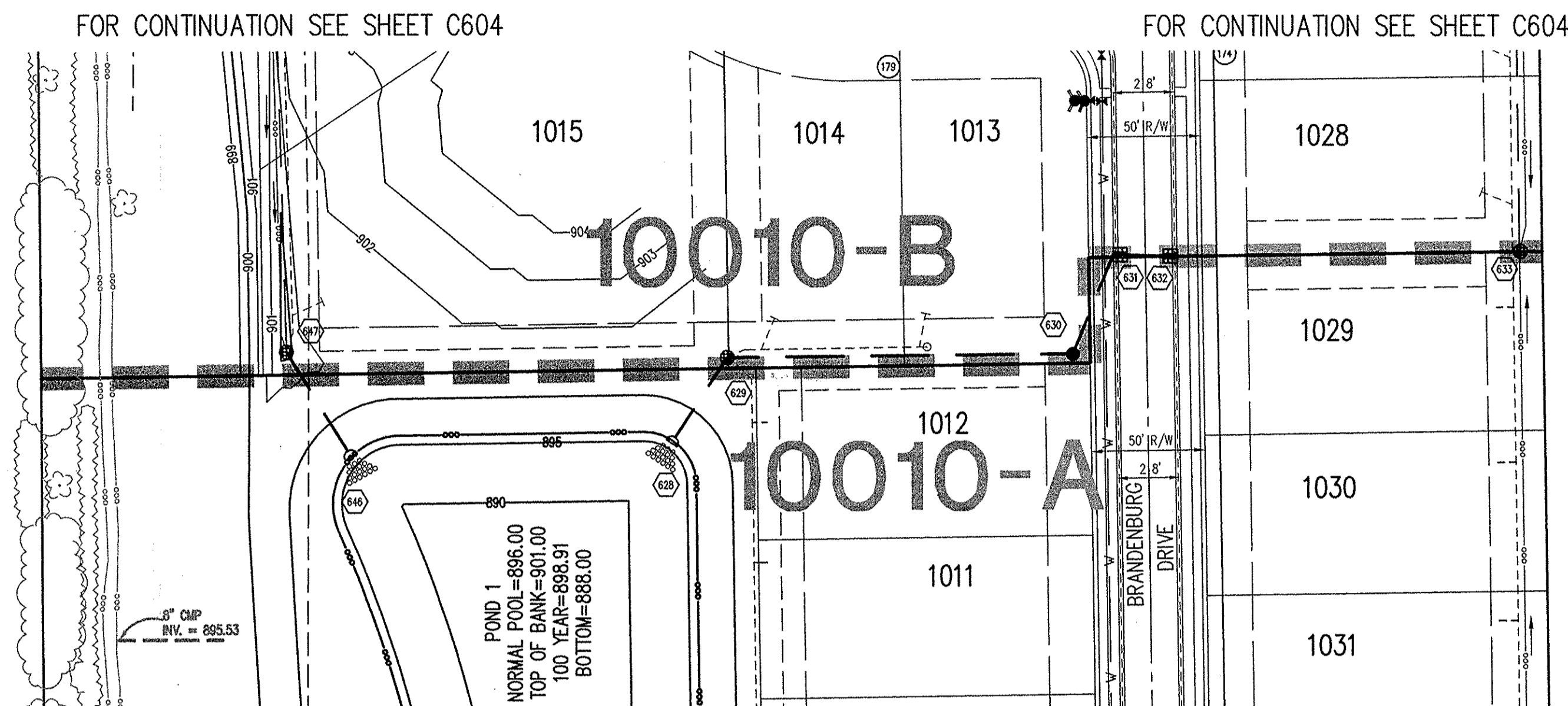
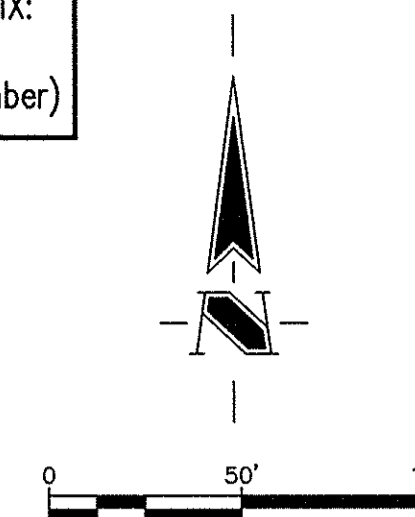


CLAY TOWNSHIP REGIONAL WASTE DISTRICT
 SANITARY SEWER STRUCTURE NUMBER PREFIX:
 VWC-W-000
 (Village of WestClay - West - Structure number)



GENERAL NOTES

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



NOTE:
 The storm sewer system shall be constructed per the design specified and as approved by the City of Carmel on the final approved construction plans. Deviations from the approved design shall only be permitted due to special circumstances or difficulty during construction and will require prior field approval from a designated representative of the City of Carmel in addition to supplemental approval by the design engineer. An explanation of any such deviation shall be included as a requirement on the as-built/record drawings submitted for release of performance guarantees. Approved design slopes identified as generating velocities of 2.5 fps or less or 10 fps or greater (at full flow capacity) shall require as-built certification at the time of construction, prior to backfilling the pipe. The contractor is instructed to as-built each section of storm pipe as it is being installed to ensure compliance with the design plans and as approved by the City of Carmel.

Sheet Number	Detail Number	Description
C802	7	Bedding Detail - Reinforced Concrete Pipe (RCP)
C801	9	Roll Curb Inlet Detail
C801	3	Beehive Inlet Detail
C801	4	Storm Manhole Detail
C801	7	Precast Concrete End Section
C801	8	RipRap Detail @ End Section

REVISIONS:
 1. DEC. 2010 REVISION PER ILL. COMMENTS
 2. DEC. 2010 REVISION PER ILL. COMMENTS
 3. DEC. 11/19/2010 RECORD DRAWING

DATE: 07/19/2010
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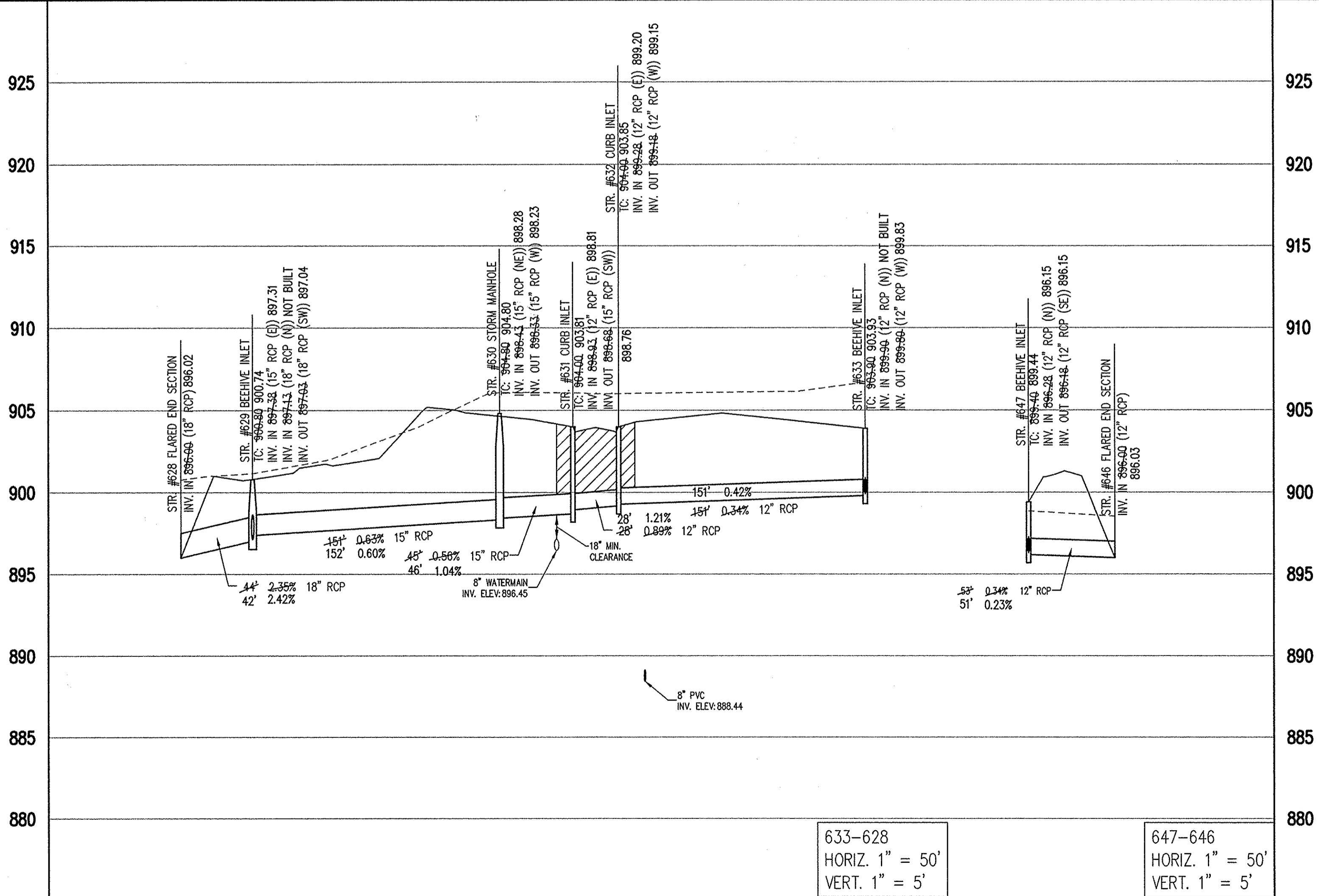
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 Landscape Architecture
 Transportation Engineering

STORM SEWER PLAN



STORM SEWER RECORD DRAWING

Village of WestClay
 SECTIONS 10010-A & 10010-B
 CARMEL, INDIANA
 PULITE HOMES OF INDIANA, LLC
 11590 N. MERIDIAN ST. SUITE 530, INDIANAPOLIS, IN 46032

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 20 11
 Entered By: JLM

633-628
 HORIZ. 1" = 50'
 VERT. 1" = 5'

647-646
 HORIZ. 1" = 50'
 VERT. 1" = 5'

STORM SEWER PROFILE

LEGEND	
	Existing Grade
	New Grade
	Granular Backfill

DATE: 07/19/2010 PROJECT NO: 1238.1010A
 DRAWN BY: DCC CHECKED BY: DKS
 SHEET TITLE: STORM SEWER PLAN AND PROFILES
 DRAWING FILES:
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 T:\V\1238\1010A\dwg\10010-0204-10.dwg

SHEET NO: C603

File Name: T:\1\1238\1010A\dwg\C603-C604_Civil_3D.dwg, Layout: C603
 Plot Date: Nov 18, 2010
 Plot Time: 3:32pm
 By: dcc