

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

October 1, 2015

To: Hamilton County Drainage Board

Re: Little Eagle Creek Drain, Maple Villas Arm

Attached is a petition filed by Maple Knoll Developer, LLC, along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Maple Villas Arm, Little Eagle Creek Drain to be located in Washington 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 | 593 ft.   | 15" RCP | 330 ft. |
| 18" RCP | 252 ft.   | 21" RCP | 486 ft. |
| 24" RCP | 392 ft.   | 27" RCP | 183 ft. |
| 6" SSD  | 5,742 ft. |         |         |

The total length of the drain will be 7,978 feet.

The retention pond (Lake #1) located in Common Area #3 is to be considered part of the regulated drain, as other prior retention ponds in Maple Village are also part of the regulated drain. Pond maintenance assumed by the Drainage Board shall include the inlet and outlet as part of the regulated drain. The maintenance of the ponds (Lake #1) such as sediment removal and erosion control along the bank, mowing and aquatic vegetation control will be the responsibility of the Homeowners Association. The Board will also retain jurisdiction for ensuring the storage volume for which the pond was designed will be retained, thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines in rear yards. Only the main SSD lines which are located within the easement or right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portion of the SSD which will be regulated other than those under curbs are as follows:

Curbline SSD in Streets:

Northham Drive  
Evesham Lane

Rear Yard SSDs:

Rear yard lots 15A, 15B, and 16B from riser to riser  
Rear yard lots 16A, 17A, and 17B from riser to riser  
Rear yard lots 18A and 18B from riser running south to Str. 425  
Rear yard lots 28A and 28B from Str. 410 running south to riser  
Rear yard lots 27A, 27B, and 28A from Str. 411 to Str. 410  
Rear yard lots 27A to 26A from Str. 411 running north to riser  
Rear yard lots 5A to 1B from Str. 420 running south to riser  
Rear yard lots 6B to C.A. #2 from Str. 420 to Str. 422  
Rear yard lots C.A. #2 to 11A from Str. 423 to Str. 416  
Rear yard lots 12B to 14A from Str. 416 running west to riser

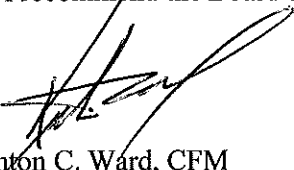
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$65.00 per platted lot, \$10.00 per acre for common areas, with a \$65.00 minimum, and \$10.00 per acre for roadways. With this assessment the total annual assessment for this drain will be \$4,039.10.

In accordance with IC 36-7-4-709, the petitioner did not submit surety for the proposed drain prior to construction commencing. If the petitioner/developer wants to submit final secondary plat for recording prior to the final inspection and approved as-built drawings, a bond will be required at that time.

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 will be for the reduction of the regulated drain easement to those easement widths as shown on the secondary plats for Maple Villas as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 23, 2015.



Kenton C. Ward, CFM  
Hamilton County Surveyor  
KCW/pll

(Revised 06/08/04)

STATE OF INDIANA     )  
                              )  
COUNTY OF HAMILTON )

TO: HAMILTON COUNTY DRAINAGE BOARD

% Hamilton County Surveyor  
One Hamilton County Square, Suite 188  
Noblesville, IN. 46060-2230

FILED

JUL 09 2015

OFFICE OF HAMILTON COUNTY SURVEYOR

In the matter of Maple Villas Subdivision, Section  
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 Maple Villas, 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.

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**

Paul Rioux  
Signed

Paul Rioux - Maple Knoll Developer, LLC  
Printed Name

July 6, 2015  
Date

\_\_\_\_\_  
Signed

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

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signed

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

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signed

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

\_\_\_\_\_  
Date

FINDINGS AND ORDER

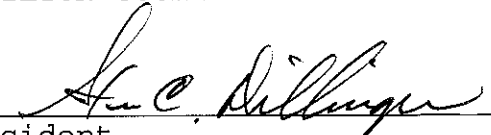
CONCERNING THE MAINTENANCE OF THE

Little Eagle Creek Drain, Maple Villas Arm

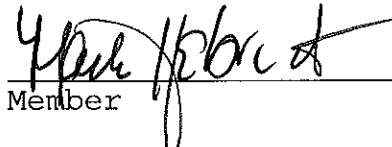
On this 23<sup>rd</sup> day of November, 2015, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Little Eagle Creek Drain, Maple Villas Arm*.

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:   
\_\_\_\_\_  
Executive Secretary



Maple Villas  
Engineers Estimate - Storm Sewers & Monumentation  
Prepared on: 9/10/2015

| Item  | Unit | Unit Cost   | Quantities | Cost              |
|---|------|-------------|------------|-------------------|
| <b>Storm Drainage</b>   |      |             |            |                   |
| 12" Pipe  | LF   | \$ 23.00    | 593        | \$ 13,639         |
| 12" End Section   | EA   | \$ 1,412.00 | 1          | \$ 1,412          |
| 12" Trash Guard   | EA   | \$ 600.00   | 1          | \$ 600            |
| 15" Pipe  | LF   | \$ 27.30    | 329        | \$ 8,982          |
| 18" Pipe  | LF   | \$ 30.70    | 253        | \$ 7,767          |
| 21" Pipe  | LF   | \$ 36.15    | 486        | \$ 17,569         |
| 21" End Section   | EA   | \$ 1,600.00 | 1          | \$ 1,600          |
| 21" Trash Guard   | EA   | \$ 750.00   | 1          | \$ 750            |
| 24" Pipe  | LF   | \$ 41.55    | 392        | \$ 16,288         |
| 27" Pipe  | LF   | \$ 52.00    | 183        | \$ 9,516          |
| Pond Outlet Structure   | EA   | \$ 3,750.00 | 1          | \$ 3,750          |
| Standard Storm Manholes   | EA   | \$ 2,300.00 | 4          | \$ 9,200          |
| Large Storm Manholes & Double Inlets  | EA   | \$ 4,030.00 | 1          | \$ 4,030          |
| Storm Inlets  | EA   | \$ 2,480.00 | 17         | \$ 42,160         |
| Sand Backfill and Bedding   | TON  | \$ 13.25    | 150        | \$ 1,988          |
| Subtotal 1  |      |             |            | \$ 139,250        |
| Sub-surface Drains - under curb   | LF   | \$ 7.50     | 3,950      | \$ 29,625         |
| Sub-surface Drains - swales   | LF   | \$ 7.75     | 2,144      | \$ 16,616         |
| Subtotal 2  |      |             |            | \$ 46,241         |
| <b>Total</b>  |      |             |            | <b>\$ 185,491</b> |
| <b>Monuments &amp; Markers</b>  |      |             |            |                   |
| Lot Corner Monuments  | LOT  | \$ 100.00   | 56.00      | \$ 5,600          |
| Street Centerline Monumentation   | EA   | \$ 150.00   | 15.00      | \$ 2,250          |
| <b>Total</b>  |      |             |            | <b>\$ 7,850</b>   |
| <b>Erosion Control</b>  |      |             | NA         | NA                |
| -> Not Applicable - Property annexed by City of Westfield and governed by Westfield MS4 permit. |      |             |            |                   |
| <b>Total</b>  |      |             |            | \$ -              |
| <b>Grand Total</b>  |      |             |            | <b>\$ 193,341</b> |
| <b>Per Hamilton County Ordinance - Bond Amount</b>  |      |             | 120%       | <b>\$ 232,009</b> |

BY: 

Timothy J. Walter, P.E.  
Indiana Registration No. 19900152

317 818-2900 ♦ 317 863-2055 fax

9757 Westpoint Drive, Suite 600 ♦ Indianapolis IN 46256

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BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF

*Little Eagle Creek Drain, Maple Villas Arm*

NOTICE

To Whom It May Concern and: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Little Eagle Creek Drain, Maple Villas Arm** on **November 23, 2015** at **9:00 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

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF THE

**Little Eagle Creek Drain,  
Maple Villas Arm**

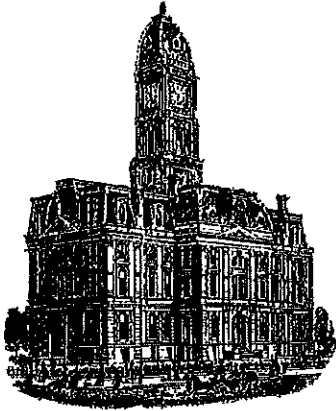
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **November 23, 2015** 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



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**

**October 19, 2016**

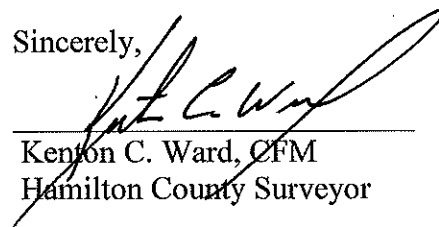
**Re: Little Eagle Creek Drain: Maple Villas**

Attached are as-built, certificate of completion & compliance, and other information for Maple Villas. 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 1, 2015. The report was approved by the Board at the hearing held November 23, 2015. (See Drainage Board Minutes Book 16, Pages 362-364) The changes are as follows: the 12" RCP was shortened from 593 feet to 585 feet. The 15" was shortened from 330 feet to 296 feet. The 18" RCP was lengthened from 252 feet to 285 feet. The 21" RCP was lengthened shortened from 486 feet to 462 feet. The 24" RCP was shortened from 392 feet to 390 feet. The 27" RCP was shortened from 183 feet to 174 feet. The 6" SSD was shortened from 5,742 feet to 5,691 feet. The length of the drain due to the changes described above is now **7,883 feet**.

The non-enforcement was approved by the Board at its meeting on November 23, 2015 and recorded under instrument #2016033001. Sureties were not submitted in accordance with IC 36-7-4-709. I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,



Kenton C. Ward, CFM  
Hamilton County Surveyor

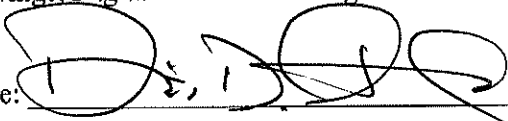
CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Maple Villas

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:  Date: June 3, 2016

Type or Print Name: Dennis D. Olmstead - Stoeppelwerth & Associates, Inc.

Business Address: 7965 East 106th Street  
Fishers, Indiana 46038

Telephone Number: (317) 570-4700

SEAL

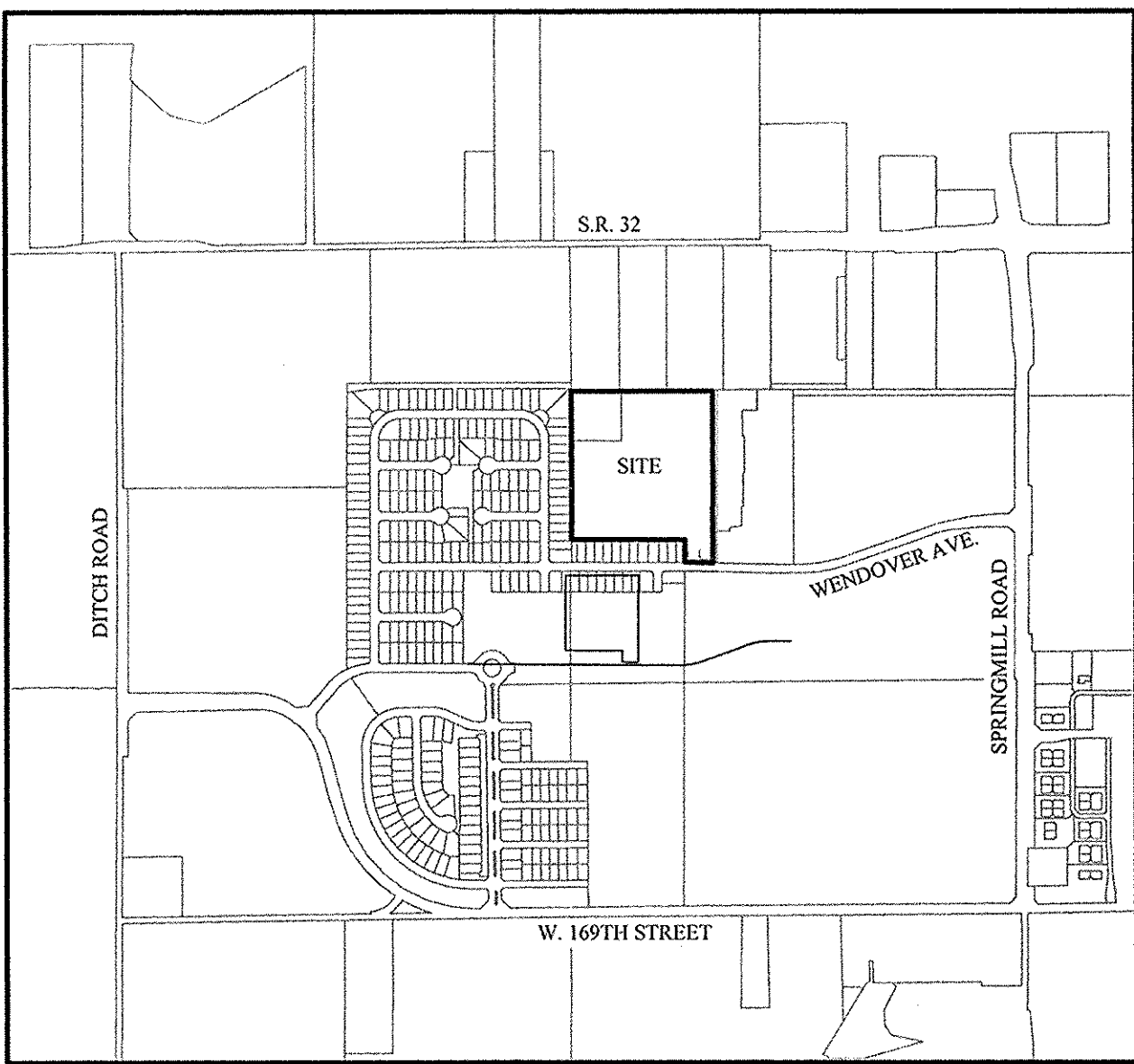


INDIANA REGISTRATION NUMBER

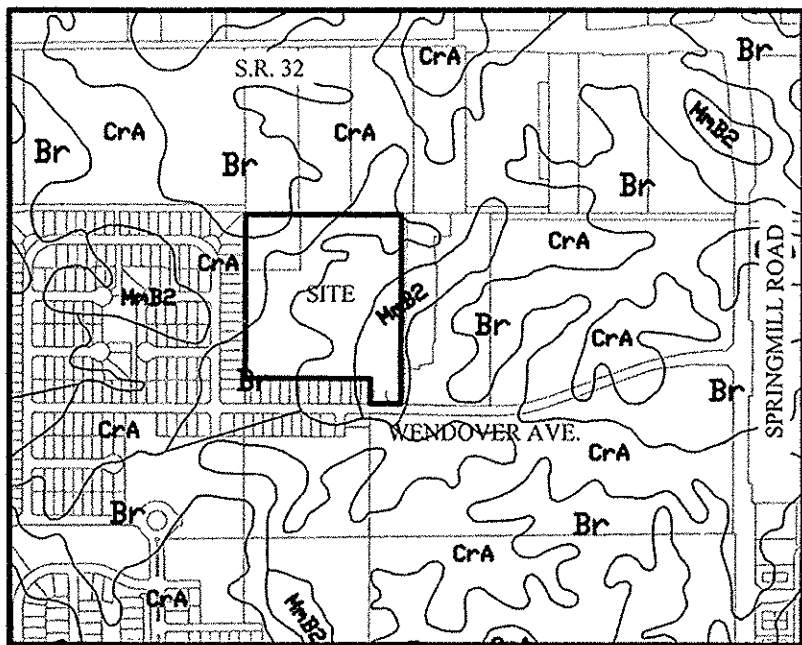
900012

# MAPLE VILLAS

Developed by:  
**MAPLE KNOLL DEVELOPER, LLC**  
**9757 Westpoint Drive Suite 600**  
**Indianapolis, Indiana 46256**  
**Phone: (317) 564-7304**  
**Contact Person: Tim Walsh**



LOCATION MAP  
SCALE: 1" = 1000'



SOILS MAP  
Br, CrA, MmB2  
SCALE: 1"=1000'

#### Br-Brookston silty clay loam

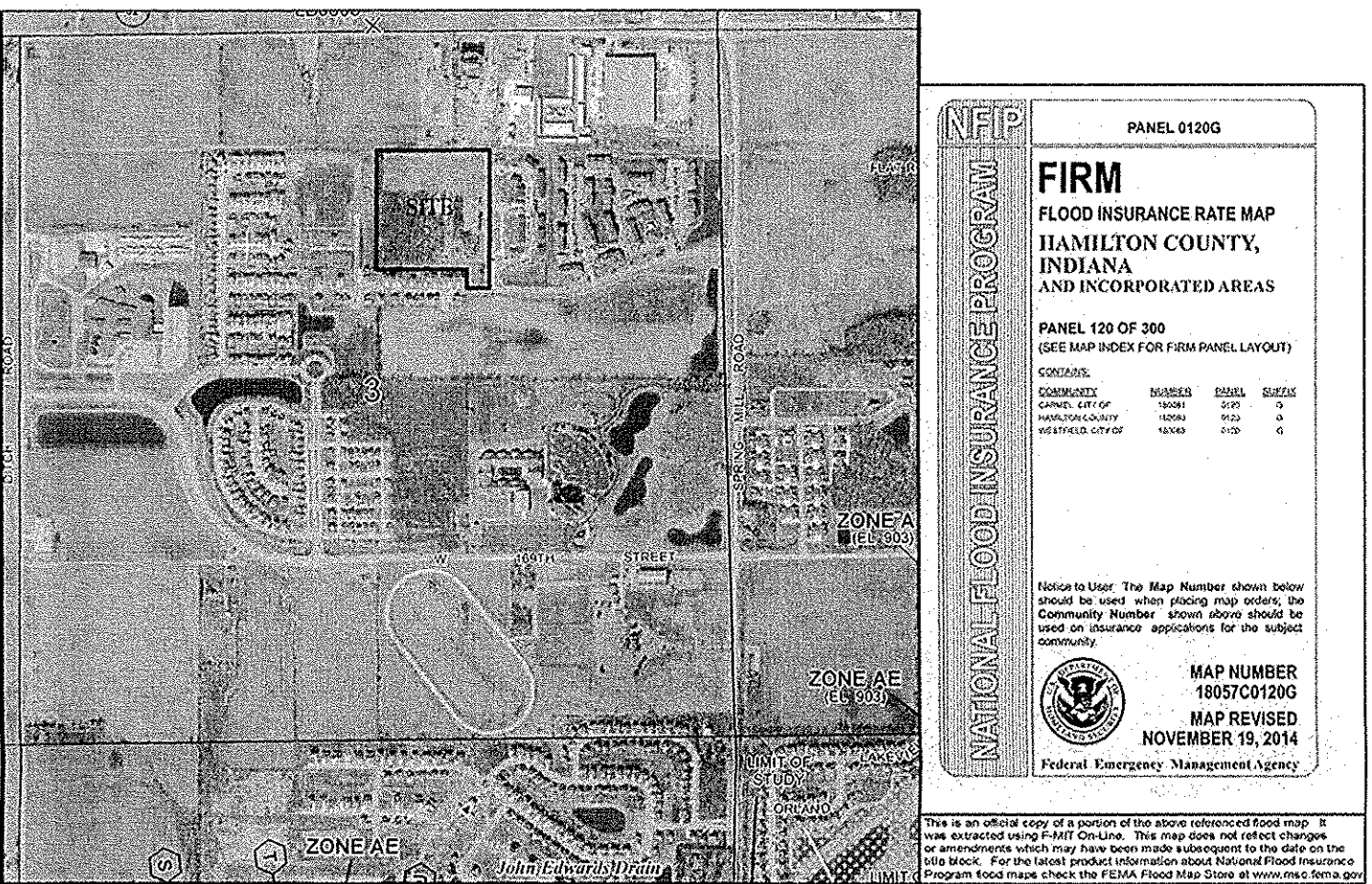
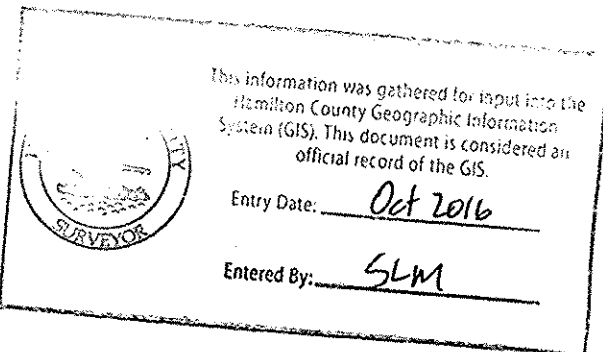
This nearly level, deep, very poorly drained soil is in broad depressions, swales, and narrow drainageways on till plains. It is ponded by runoff from higher adjacent areas. The mapped areas are mostly oval shaped or fingerlike and range from 3 to 250 acres in size.

#### CrA - Crosby silt loam, 0 to 3 percent slopes

This nearly level, deep, somewhat poorly drained soil is on slight rises on broad, undulating till plains. The mapped areas are irregular in shape and range from 3 to 200 acres in size.

#### MmB2 - Miami silt loam, 2 to 6 percent slopes, eroded

This gently sloping, deep, well drained soil is on rises on till plains and along drainageways and streams. The mapped areas range from 3 to 50 acres in size.

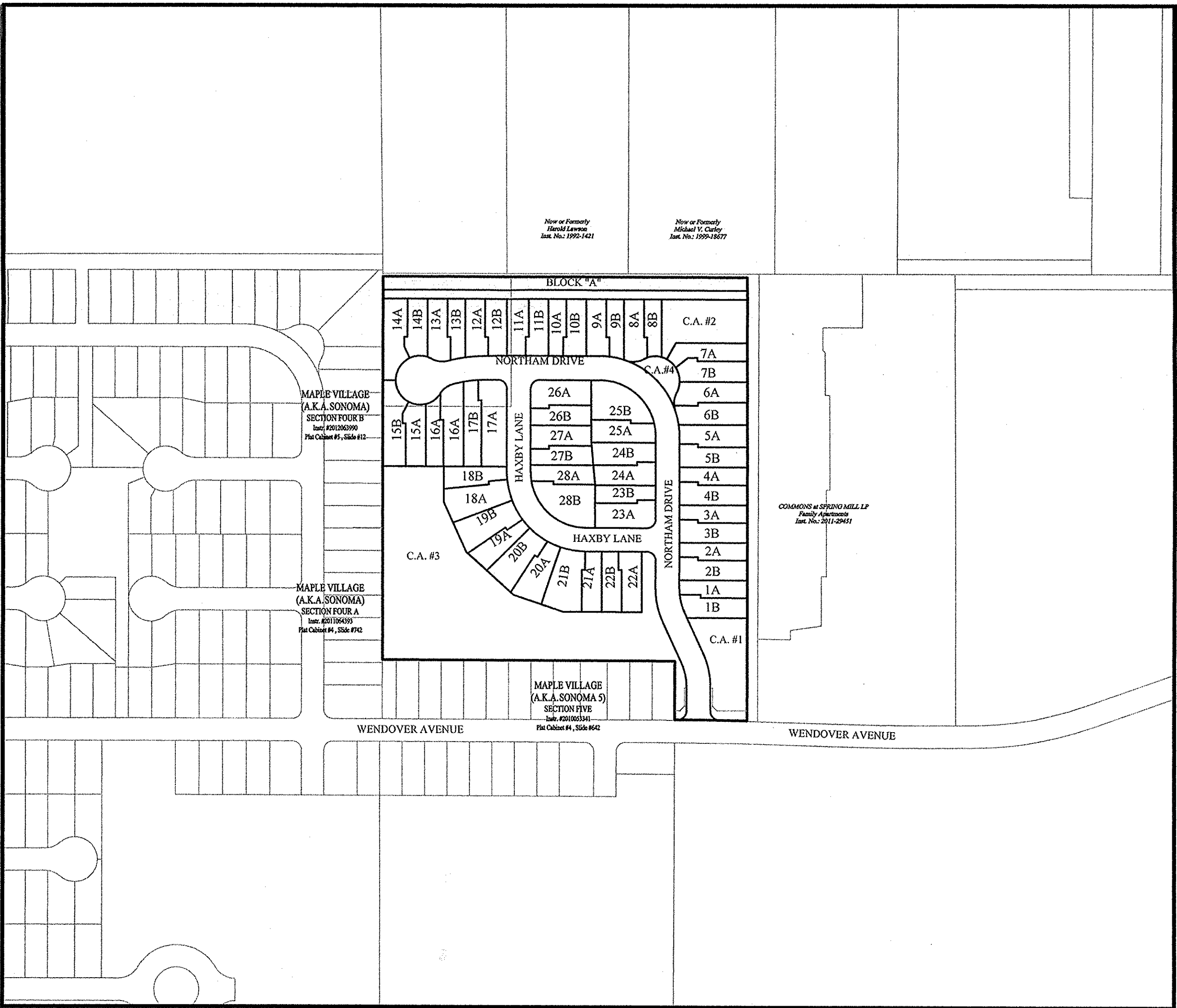


NOTE: NO STREAMS APPEAR TO BE ON OR IMMEDIATELY ADJACENT TO THE PROPERTY. THE S.M. SMITH REGULATED DRAIN TILE HAS BEEN VACATED UPSTREAM OF THIS PROJECT SITE.

FLOOD MAP  
N.T.S.

| INDEX            |  |
|------------------|--|
| SHT.             | DESCRIPTION  |
| C001             | COVER SHEET  |
| C100             | TOPOGRAPHICAL SURVEY & DEMOLITION PLAN   |
| C200             | SITE DEVELOPMENT PLAN  |
| C300-C305        | INITIAL STORM WATER POLLUTION & PREVENTION PLAN<br>TEMPORARY STORM WATER POLLUTION & PREVENTION PLAN<br>PERMANENT SEDIMENT & EROSION CONTROL PLAN<br>STORM WATER POLLUTION & PREVENTION SPECIFICATIONS<br>STORM WATER POLLUTION & PREVENTION DETAILS |
| C400-C405        | STREET PLAN & PROFILES<br>TRAFFIC CONTROL PLAN<br>ENTRANCE DETAIL<br>INTERSECTION DETAILS  |
| C500-C503        | SANITARY SEWER PLAN & PROFILES   |
| C600-C603        | STORM SEWER PLAN & PROFILES  |
| C700-C701        | WATER PLAN<br>WATER DETAILS  |
| C800-C806        | CONSTRUCTION DETAILS<br>SANITARY<br>STORM<br>STREET  |
| C900, C901, C903 | LANDSCAPE PLANS  |

| REVISIONS                        |                       |
|----------------------------------|-----------------------|
| SHT.                             | DESCRIPTION           |
| C200, C500-C502, C600-C603, C700 | ASBUILTS 05/27/16 GEM |
|                                  |                       |
|                                  |                       |
|                                  |                       |



#### UTILITY CONTACTS

AT & T  
5858 North College Ave.  
Indianapolis, Indiana 46220  
Contact: Michael Hayes  
Ph: (317) 252-4007

Comcast Cable  
5330 East 65th Street  
Indianapolis, Indiana 46220  
Contact: Matt Stringer  
Ph: (317) 774-3384

Duke Energy  
16475 Southpark Drive  
Westfield, Indiana 46074  
Contact: Shirley Hunter  
Ph: (317) 896-6711

Westfield Public Works Department  
2706 East 171st Street  
Westfield, Indiana 46074  
Ph: (317) 804-3100

Buckeye Pipeline  
940 Buckeye Road  
Lima, Ohio 45804  
Contact: Marty White  
Ph: (419) 993-8008

Frontier Communications  
20905 Hague Road (Rear Building)  
Noblesville, Indiana 46060  
Contact: Steve Costlow  
Ph: (317) 984-9010

Vectren Energy  
16999 Allisonville Road  
Noblesville, Indiana 46060  
Contact: Charlotte May  
Ph: (317) 776-5592

Brighthouse Networks  
3030 Roosevelt Ave.  
Indianapolis, Indiana 46218  
Contact: Harry Richardson  
Ph: (317) 632-9077

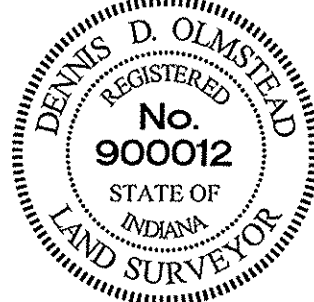
Citizens Wastewater of Westfield, LLC  
2150 Dr. Martin Luther King Jr. Street  
Indianapolis, Indiana 46202  
Contact: Harry Nikides  
Ph: (317) 429-3972

Citizens Water of Westfield, LLC  
2150 Dr. Martin Luther King Jr. Street  
Indianapolis, Indiana 46202  
Contact: Harry Nikides  
Ph: (317) 429-3972

## RECORD DRAWING

Dennis D. Olmstead  
Registered Land Surveyor  
No. 900012

06/02/2016



INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS  
LATEST EDITION TO BE USED WITH THESE PLANS UNLESS ALTERNATE  
SPECIFICATIONS ARE SHOWN WITHIN.

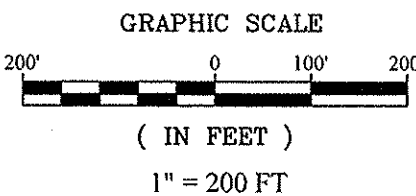
WESTFIELD CONSTRUCTION STANDARD DETAILS AND SPECIFICATIONS  
LATEST EDITIONS TO BE USED WITH THESE PLANS.

#### DESIGN DATA

56 LOTS  
16.330 AC. = 3.43 LOTS/ACRE

|               |               |
|---------------|---------------|
| NORTHAM DRIVE | 1,322.13 L.F. |
| HAXBY LANE    | 645.41 L.F.   |
| TOTAL         | 1,967.54 L.F. |

DESIGN SPEED LIMIT: 25 M.P.H.  
POSTED SPEED LIMIT: 20 M.P.H.




PLANS PREPARED BY:  
**STOEPPEL WERTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS & LAND SURVEYORS  
7965 E. 106TH STREET, FISHERS, INDIANA 46038  
PHONE: (317)-849-5935  
FAX: (317)-849-5942  
CONTACT PERSON: BRETT A. HUFF  
EMAIL: bhuff@Stoeppelwerth.com

PLANS CERTIFIED BY:

David J. Stoeppelwerth 05/28/2015  
DAVID J. STOEPPEL WERTH  
PROFESSIONAL LAND SURVEYOR  
NO. 19358



## ASBUILT GRADE ELEV.

- GRAPHIC SCALE
- 
- ( IN FEET )
- 1" = 50 FT

MFF 771.9

MINIMUM FINISH FLOOR ELEVATION IS BASED OFF OF THE BELOW

1. (1) FOOT ABOVE THE NEAREST UPSTREAM OR DOWNSTREAM SANITARY MANHOLE, WHICHEVER IS LOWEST.
2. 15" (1.25') ABOVE THE ROAD ELEVATION

### EMERGENCY OVERLAND ROUTE

| NAME       | SIZE | LENGTH | SLOPE | MATERIAL |
|------------|------|--------|-------|----------|
| 400-820321 | 21"  | 23.59  | 0     | R.C.P.   |
| 402-401    | 12"  | 84.41  | 0     | R.C.P.   |
| 403-402    | 12"  | 12.31  | 0.97% | R.C.P.   |
| 407-406    |      |        | 0.52% | R.C.P.   |
| 408-407    | 24"  | 31.00  | 0.32% | R.C.P.   |
| 410-409    | 24"  | 64.09  | 0.91% | R.C.P.   |
| 410-899    | 24"  | 88.13  | 0.23% | R.C.P.   |
| 411-410    | 24"  | 96.61  | 0.27% | R.C.P.   |
| 412-425    | 21"  | 89.63  | 0.36% | R.C.P.   |
| 413-412    | 21"  | 131.65 | 0.26% | R.C.P.   |
| 414-413A   | 18"  | 178.87 | 0.21% | R.C.P.   |
| 416-413    | 18"  | 32.00  | 0.34% | R.C.P.   |
| 415-414    | 15"  | 54.67  | 0.98% | R.C.P.   |
| 416-415    | 12"  | 165.64 | 0.31% | R.C.P.   |
| 417-411    | 24"  | 115.94 | 0.22% | R.C.P.   |
| 418-417    | 18"  | 49.69  | 0.50% | R.C.P.   |
| 419-418    | 18"  | 32.03  | 0.47% | R.C.P.   |
| 420-419    | 15"  | 151.99 | 0.22% | R.C.P.   |
| 421-420    | 15"  | 90.49  | 0.26% | R.C.P.   |
| 422-421    | 12"  | 191.27 | 0.30% | R.C.P.   |
| 423-422    | 12"  | 134.48 | 0.34% | R.C.P.   |
| 425-424    | 21"  | 218.18 | 0.28% | R.C.P.   |

## 1. EXCAVATION

- UTILITY CROSSINGS**
- CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE ARE NO CROSSING CONFLICTS. CONFLICTS THAT ARE DISCOVERED AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

T.O.B. ELEV.=927.00

6:1

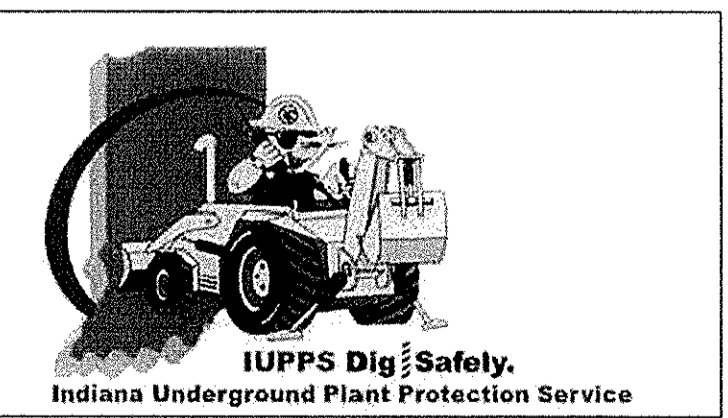
10'

925.00

6:1

T.O.B. ELEV.=927.00

CROSS SECTION  
SPILLWAY LAKE #1  
"S1"- "S1"  
NOT-TO-SCALE



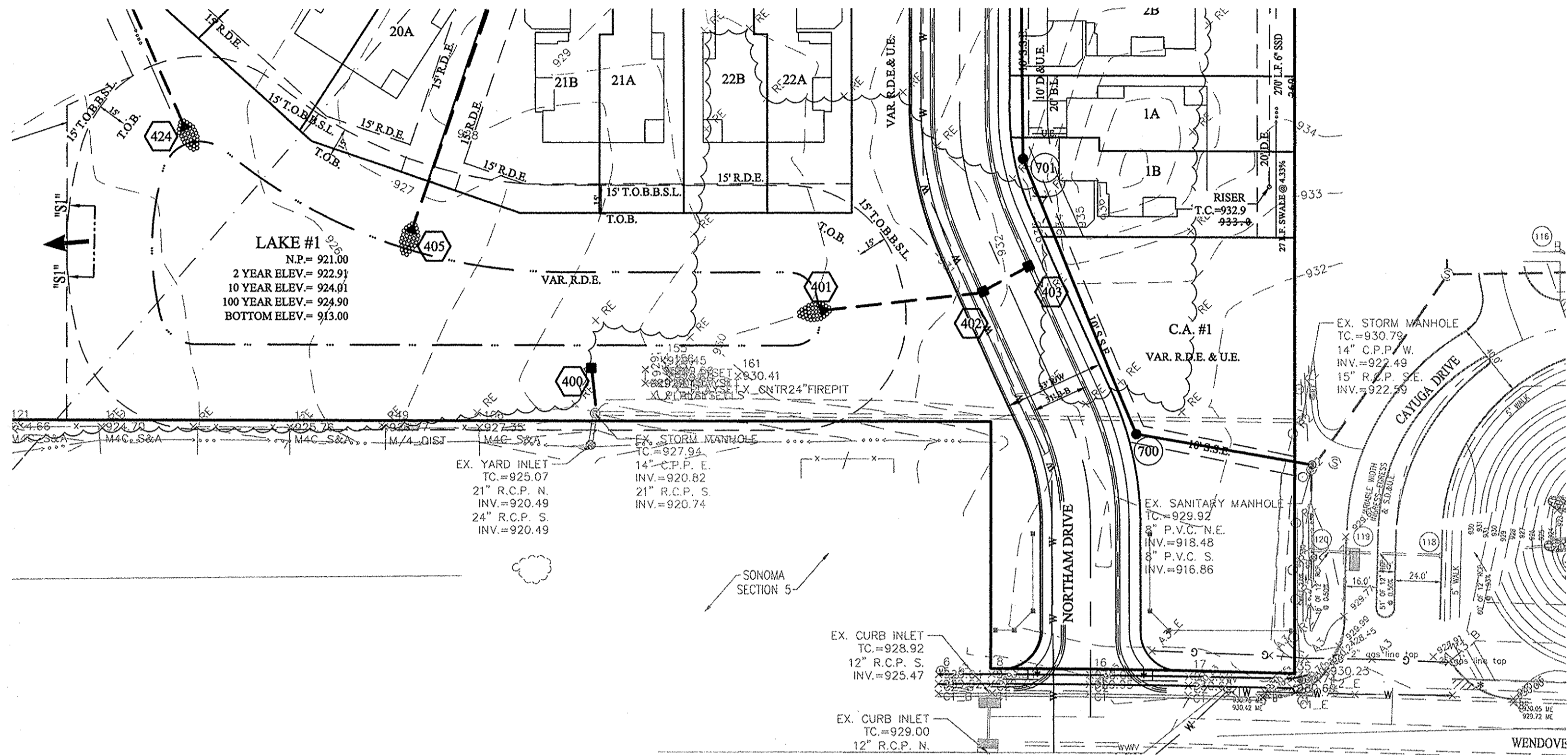
Know what's **below**.  
**Call** before you dig.

# SITE DEVELOPMENT PLAN

MAPLE VILLAS

WESTFIELD  
HAMILTON COUNTY, INDIANA

|                              |                    |
|------------------------------|--------------------|
| DRAWN BY:<br>ADG             | CHECKED BY:<br>BAH |
| SHEET NO.<br><b>C200</b>     |                    |
| S & A JOB NO.<br>50690PLA-R1 |                    |



NOTES:

ALL STORM STRUCTURES TO RECEIVE SOLID LID CASTINGS ARE TO BE CONSTRUCTED TO PROVIDE ONE 4" RISER RING NO MORE, NO LESS TO ACHIEVE PLAN RIM GRADE.

ALL YARD INLETS ARE TO BE CONSTRUCTED AT A TOLERANCE OF +0.00' TO -0.20' OF PLAN GRADE.

ALL STORM SEWER CASTINGS SHALL BE LABELED "DUMP NO WASTE-DRAINS TO WATERWAY"

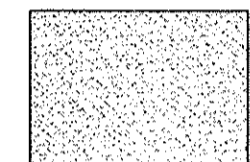
ALL STORM CROSSINGS IN RIGHT OF WAY WITH LESS THAN 30" COVER TO FINISH PAVEMENT GRADE WILL BE BACKFILLED WITH #8 STONE.

ALL SSD'S (SUBSURFACE DRAINS) WILL NEED TO BE 6" DOUBLE WALL SMOOTH BORE PERFORATED (HDPE) PIPE. DEBRIS GUARDS ARE TO BE INSTALLED ON ALL OPEN ENDED INLETS.

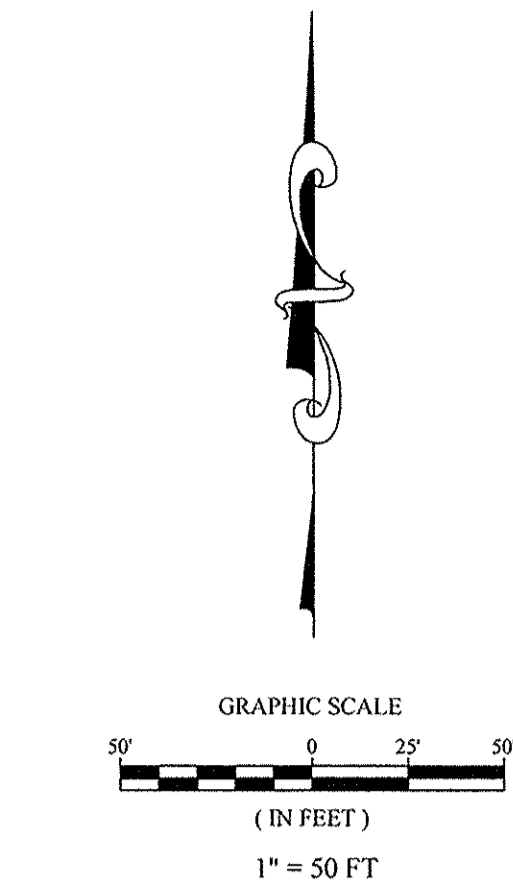
ALL STORM TO BE CLEANED AND TELEVIEWED AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED.

STORM STRUCTURES DEEPER THAN 4' MUST BE ACCESSIBLE WITH STEPS.

ALL BEEHIVE CASTINGS ON A 2x2' BOX SHALL HAVE A SQUARE RISER WITH A ROUND HOLE.



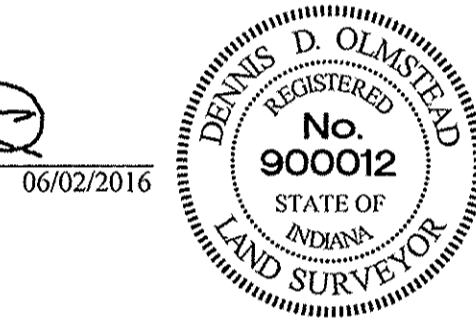
DENOTES FULL DEPTH GRANULAR BACKFILL



- S — EXISTING SANITARY SEWER
- S — EXISTING STORM SEWER
- S — PROPOSED SANITARY SEWER
- S — PROPOSED STORM SEWER
- W — PROPOSED WATER LINE

# RECORD DRAWING

*D. D. Olmstead*  
Dennis D. Olmstead  
Registered Land Surveyor  
No. 900012



| DATE     | MARK    | REVISIONS | BY  |
|----------|---------|-----------|-----|
| 09/27/16 | ASBUILT |           | GEM |

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR USED FOR ANY OTHER PURPOSE WITHOUT THE SURVEYOR'S LOCATION REPORT.

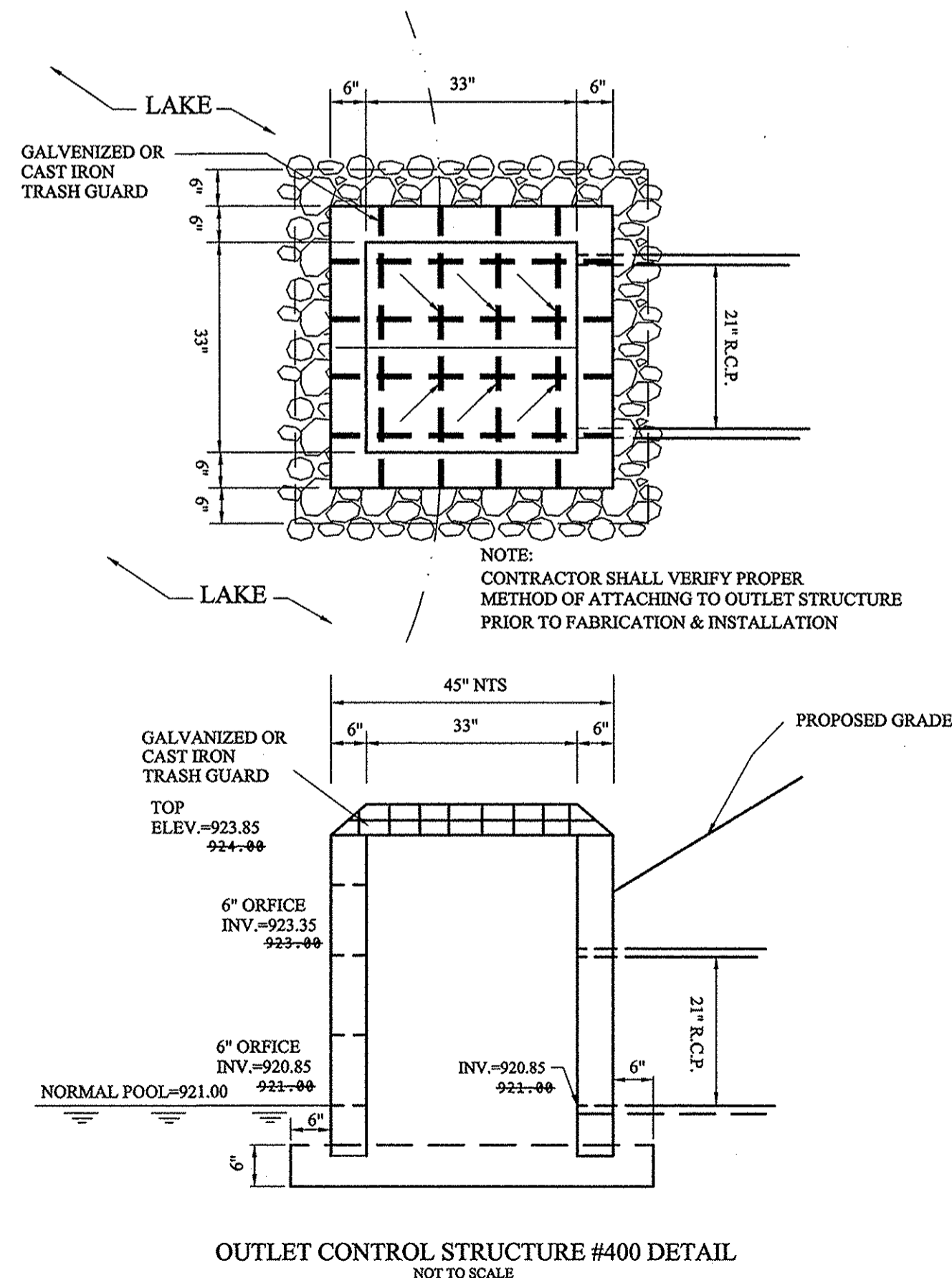
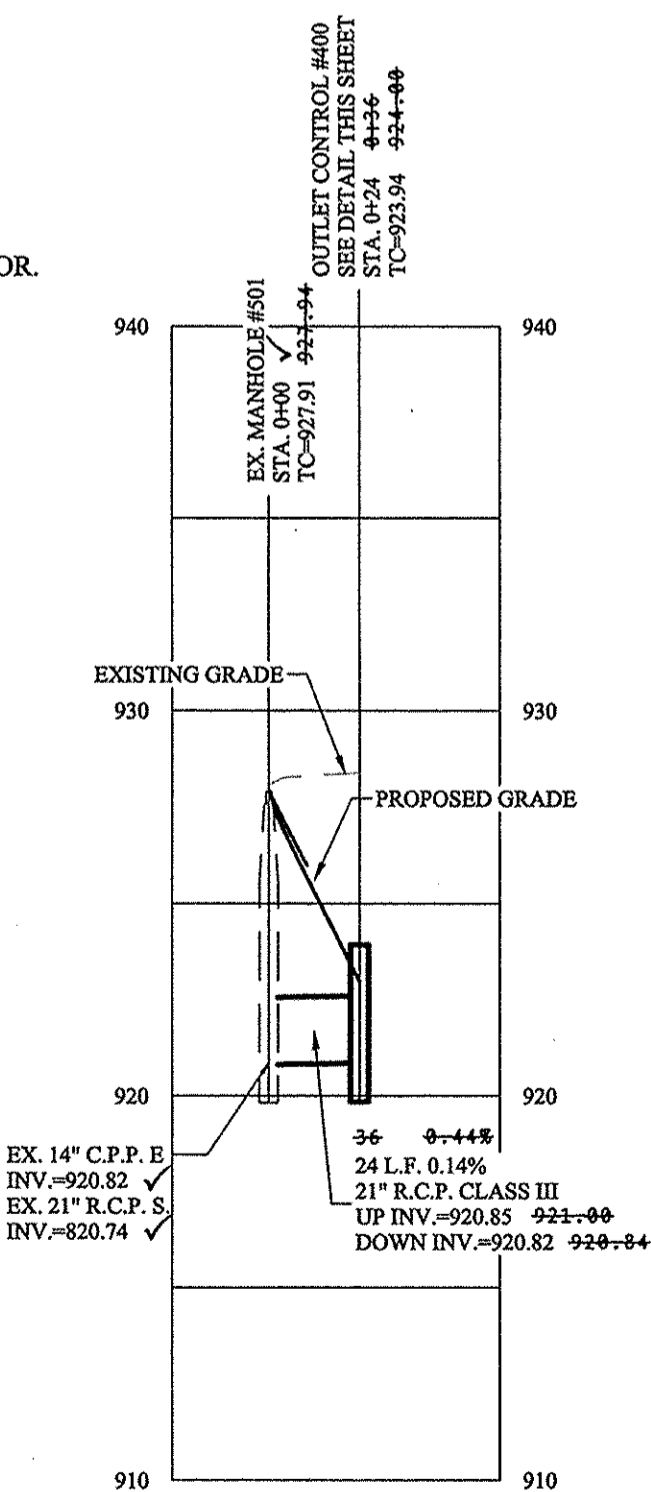
CERTIFIED: 05/28/15  
*David J. Stoepelwerth*  
David J. Stoepelwerth  
REGISTERED PROFESSIONAL ENGINEER  
No. 19358  
STATE OF INDIANA

**STOEPPELWERTH**  
ALWAYS ON  
7965 East 10th Street, Fishers, IN 46038-2505  
phone: 317.849.5965 fax: 317.849.5942

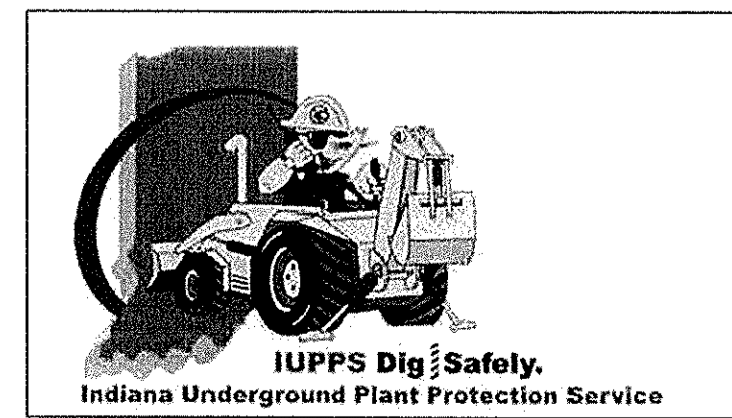
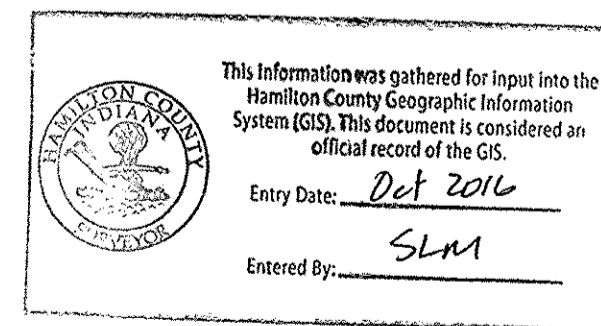
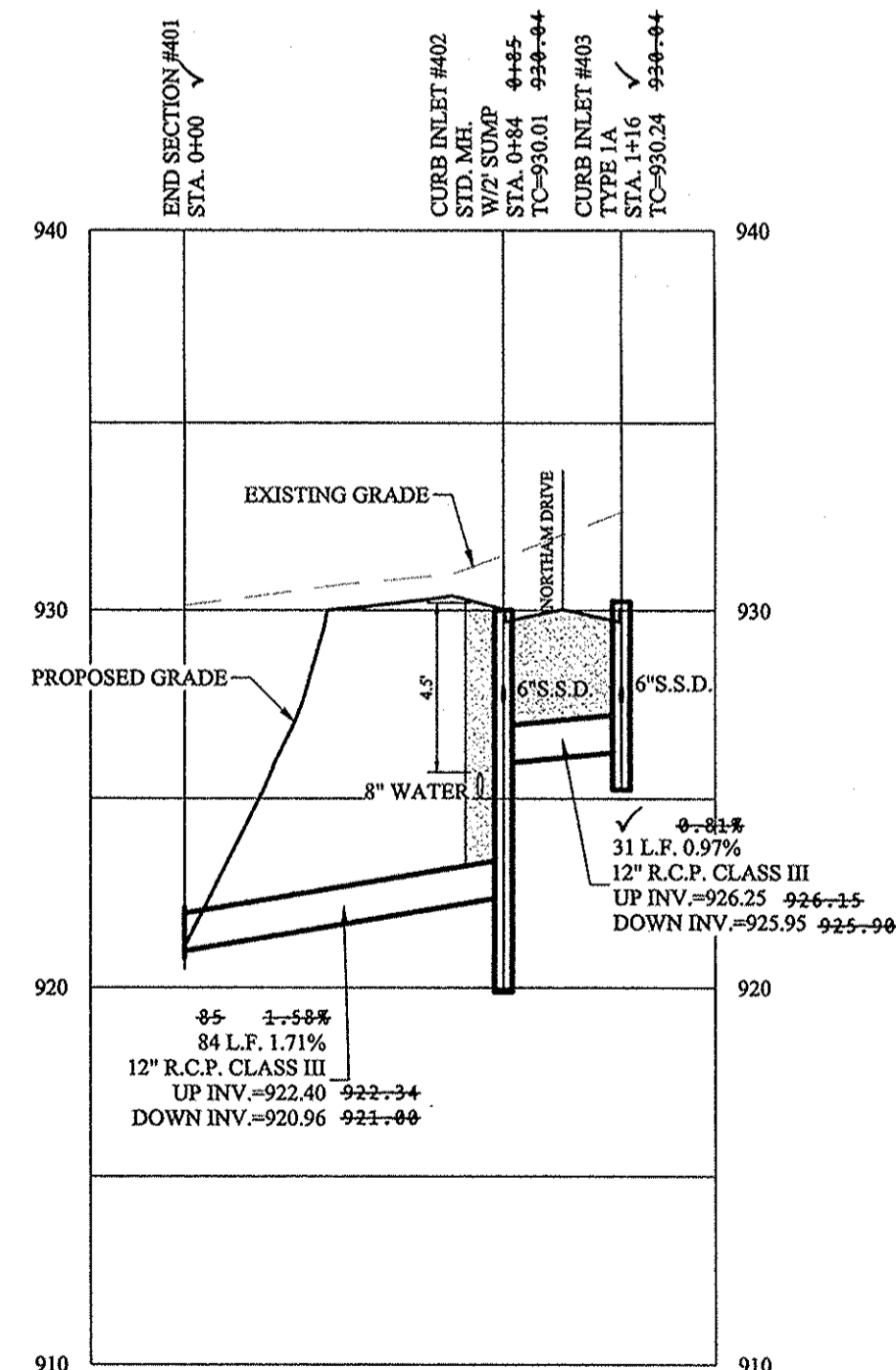
**STORM SEWER PLAN & PROFILE**  
**MAPLE VILLAS**  
HAMILTON COUNTY, INDIANA  
WESTFIELD

DRAWN BY: ADG  
CHECKED BY: BAH  
SHEET NO.: C600  
S.A. JOB NO.: 50690PLA-R1

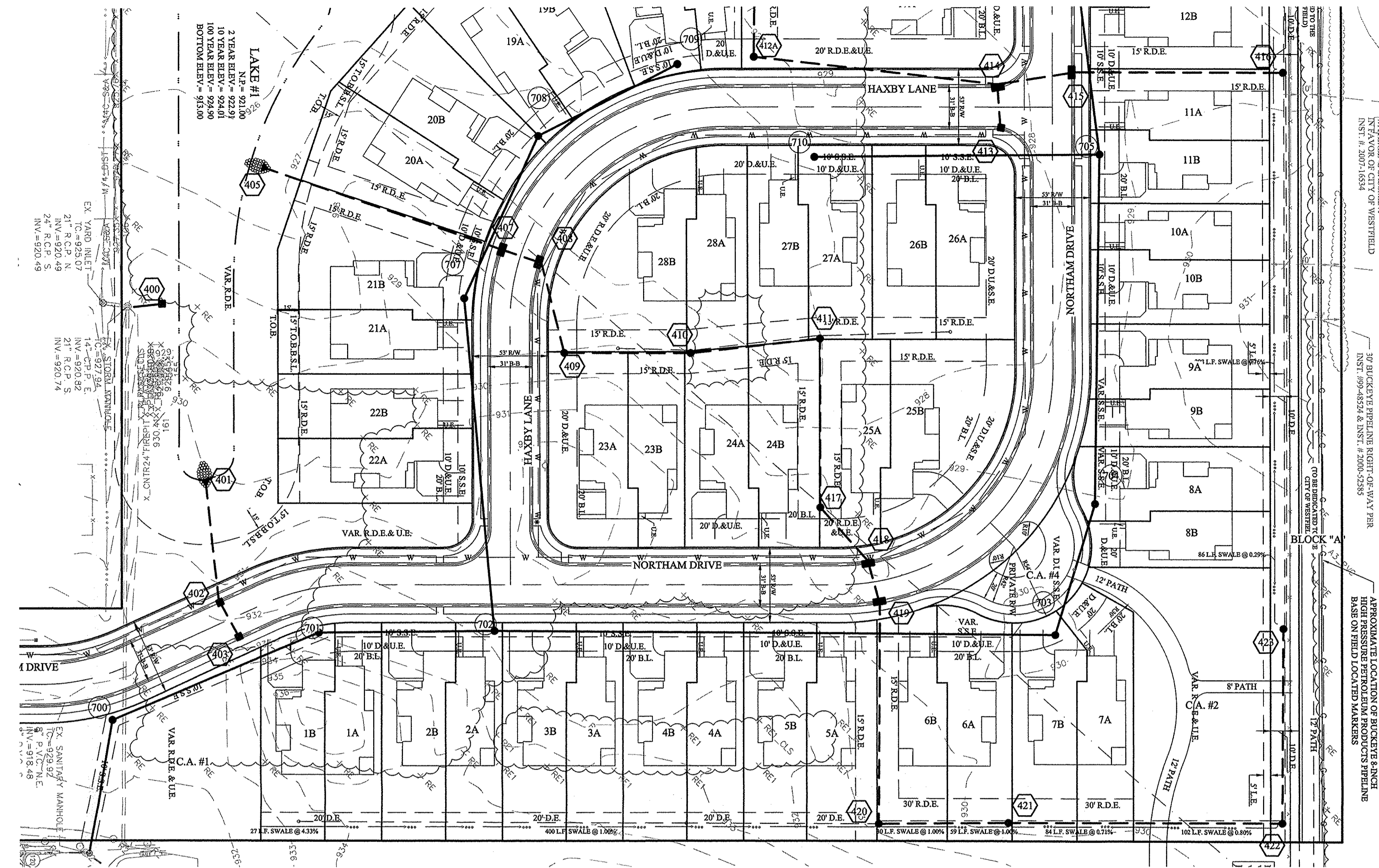
SCALE: 1"=50' HOR.  
1"=5' VERT.



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



Know what's below.  
Call before you dig.



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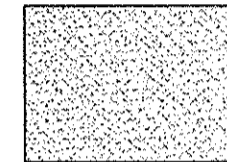
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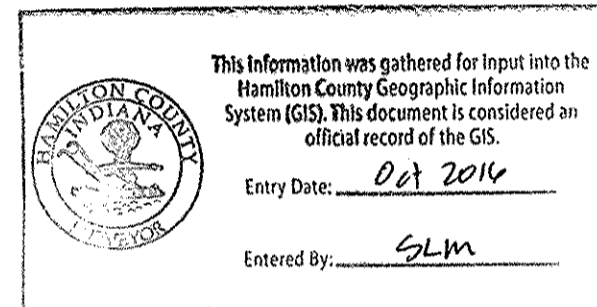


DENOTES FULL DEPTH GRANULAR BACKFILL



GRAPHIC SCALE  
50' 0' 25' 50'  
(IN FEET)  
1" = 50 FT

- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER LINE



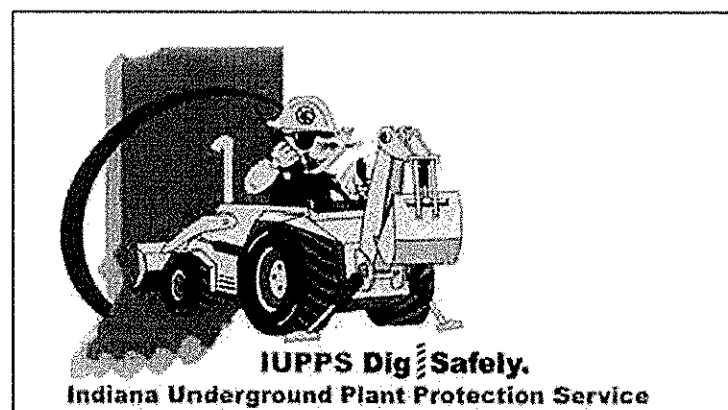
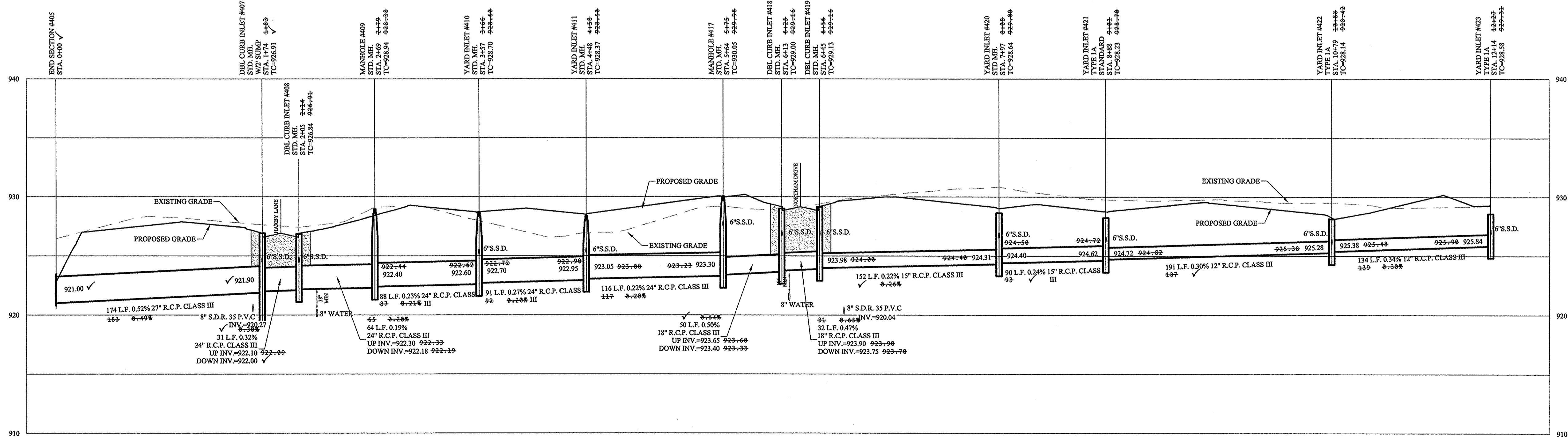
Dennis D. Olmstead  
Registered Land Surveyor  
No. 900012

06/02/2016



# RECORD DRAWING

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



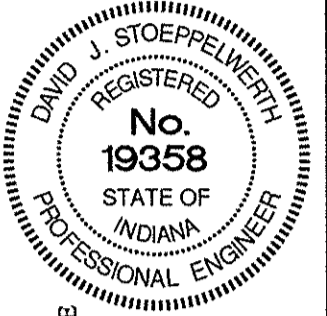
## STORM SEWER PLAN & PROFILE

MAPLE VILLAS

HAMILTON COUNTY, INDIANA

STOEPPELWERTH

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY. A ROUTE REPORT OR A SURVEYOR LOCATION REPORT.

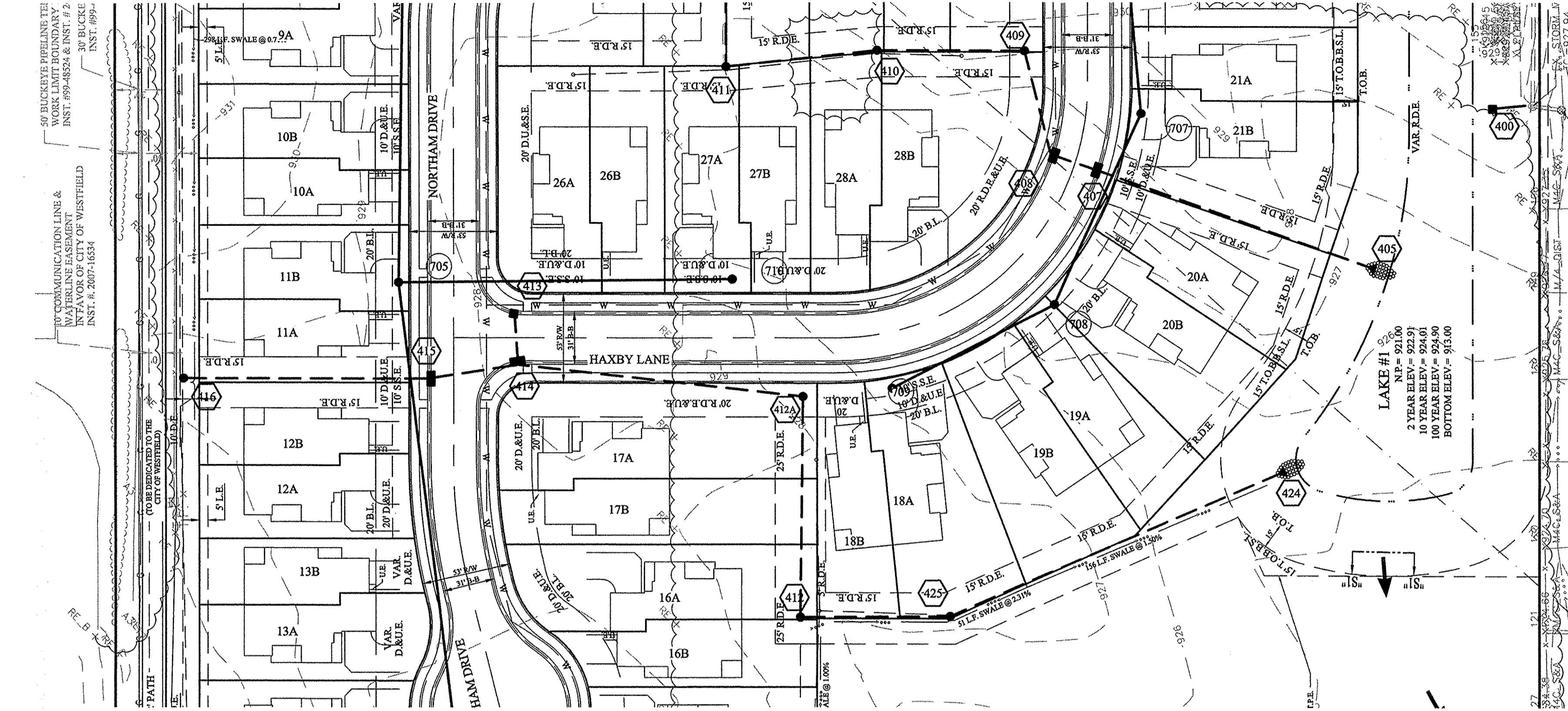


ASBUILT  
REVISED PER CLIENT CHANGES  
ADG  
REMOVED STR. BETWEEN 406 & 407  
ADG  
ADDED 0.10 INVERT DROPS AT STRUCTURES  
ADG  
REVISIONS

DATE  
MARK

BY

FILE NAME  
MODIFIED / BY  
PLOTTED / BY



NOTES:

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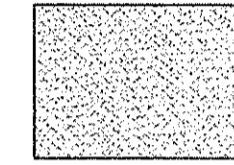
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DENOTES FULL DEPTH GRANULAR BACKFILL



GRAPHIC SCALE  
(IN FEET)  
1" = 50 FT

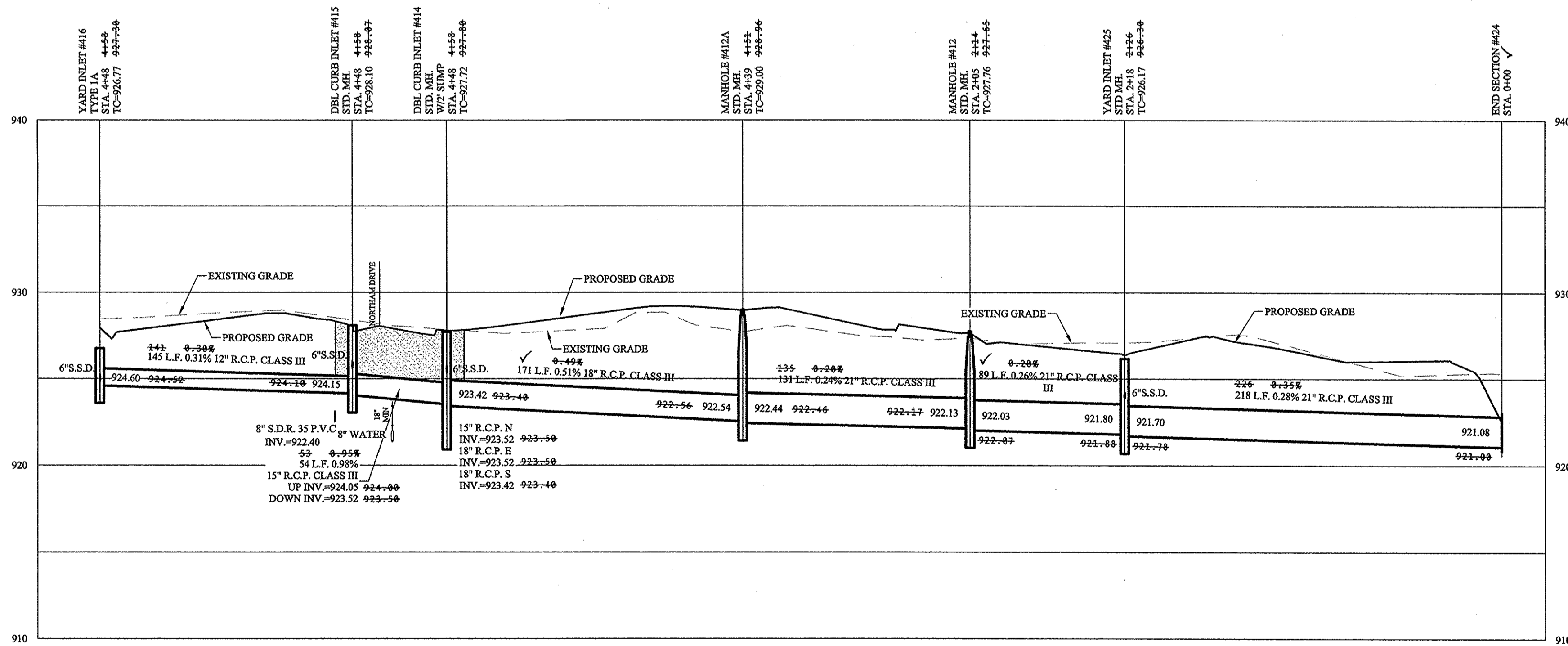
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- EXISTING STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER LINE

# RECORD DRAWING

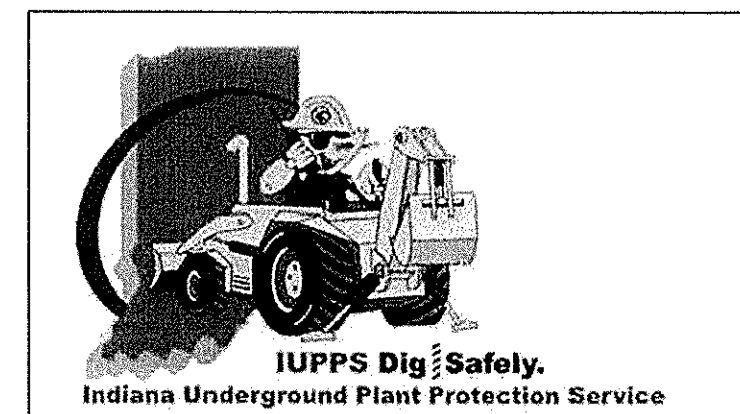
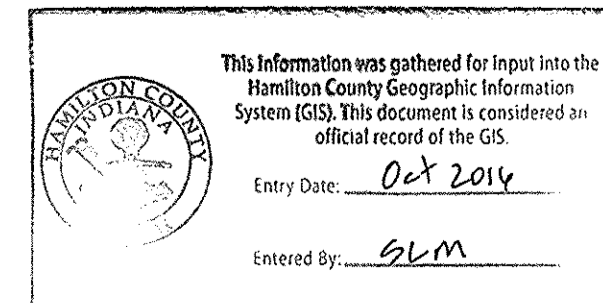
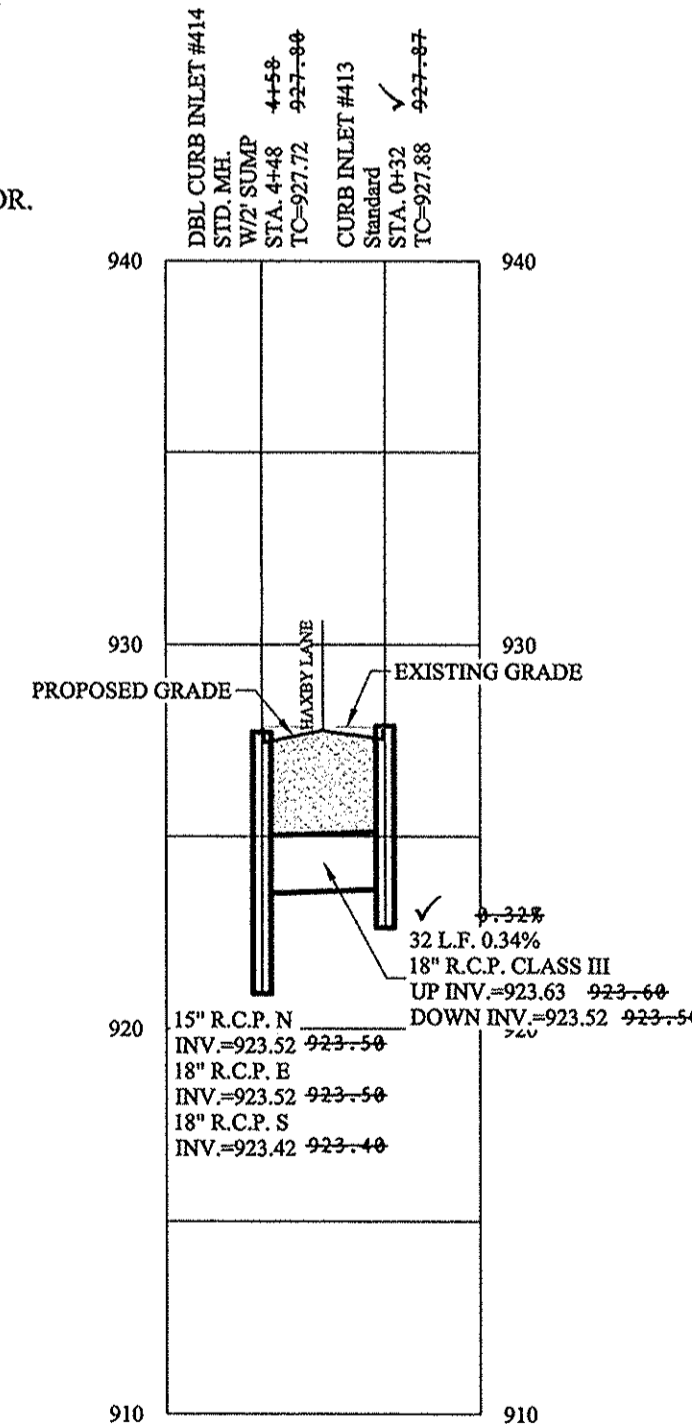
Dennis D. Olmstead  
Registered Land Surveyor  
No. 900012



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



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



## STORM SEWER PLAN & PROFILE

MAPLE VILLAS

HAMILTON COUNTY, INDIANA

## STOEPPELWERTH

ALWAYS ON  
7965 East 110th Street, Fishers, IN 46038-2005  
phone: 317.849.5595 fax: 317.849.5942

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACTION OR ORIGINAL BOUNDARY SURVEY, A ROUTE REPORT OR A SURVEYOR LOCATION REPORT.

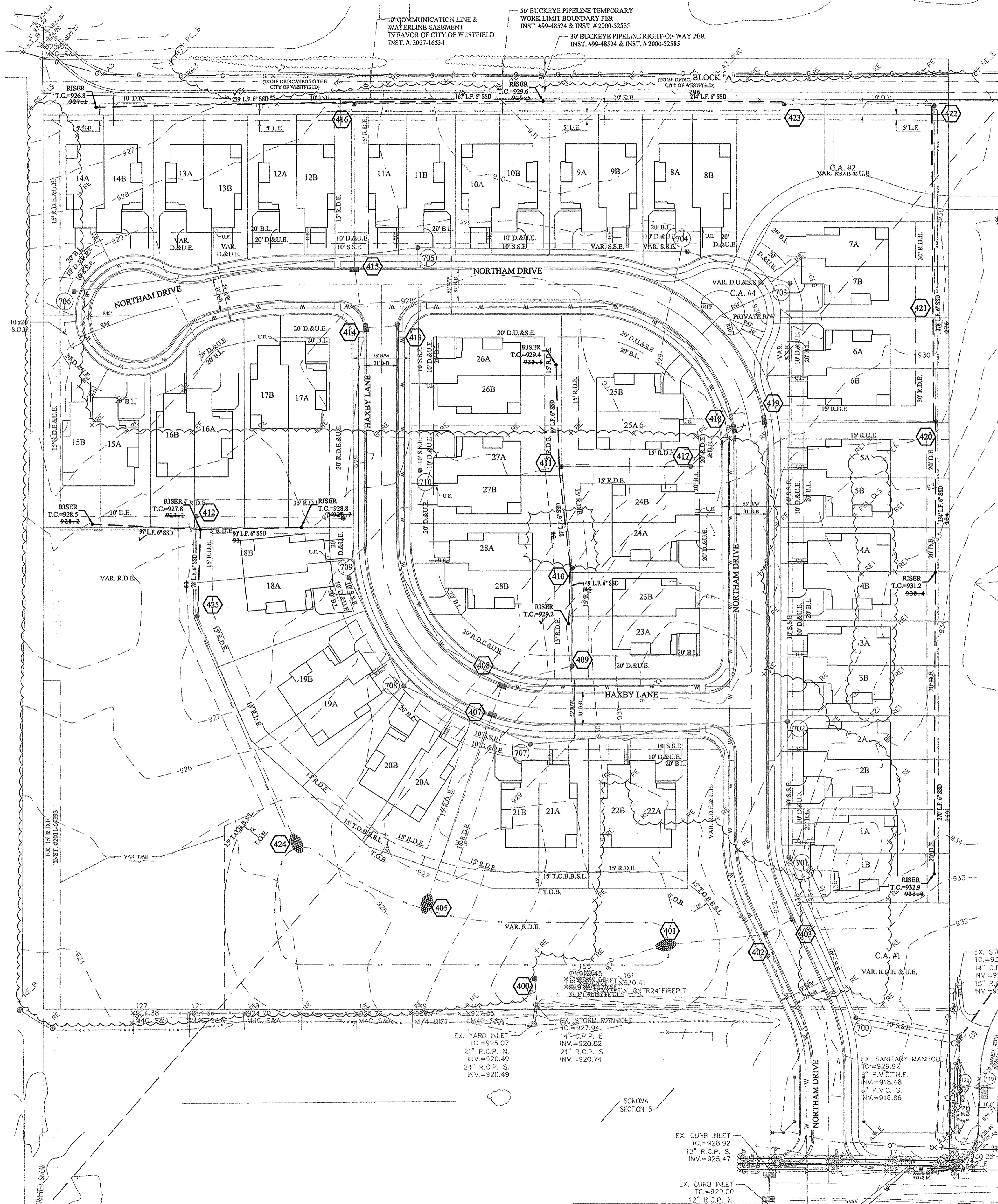


| DATE     | MARK    | REVISIONS                             | BY  |
|----------|---------|---------------------------------------|-----|
| 06/27/16 | ASBUILT | REVISED PER CLIENT CHANGES            | GEM |
| 08/27/15 | ADG     | ADDED 0.10 INVERT DROPS AT STRUCTURES | ADG |

S:\0690PLA\R1DWG\C600 - Storm Sewer Plan & Profile.dwg - C603  
May 27, 2016 9:11:38 AM / gmyers  
June 2, 2016 12:12:28 PM / Greg Myers

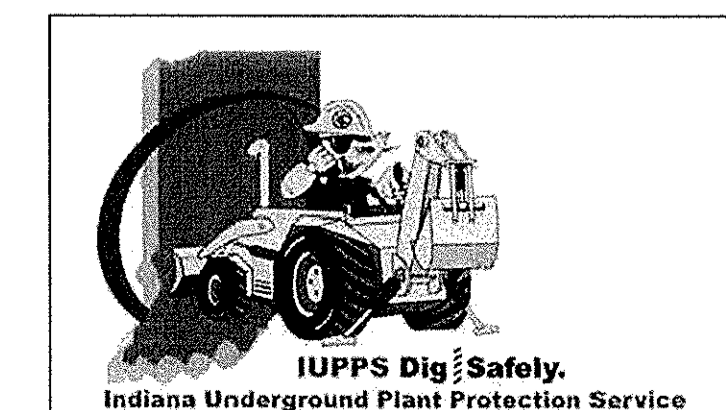
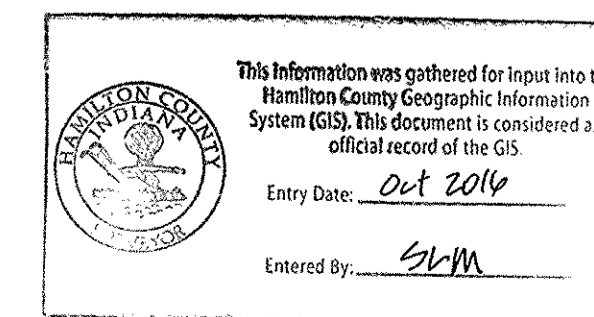
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Modified / By:  
Plotted / By:

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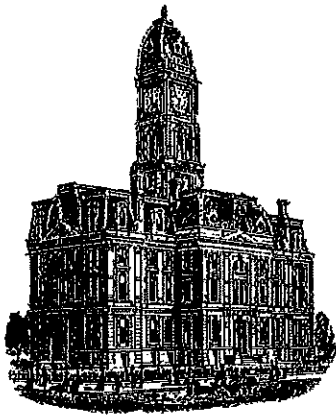
# RECORD DRAWING

*D. D. Olmstead*  
Dennis D. Olmstead  
Registered Land Surveyor  
No. 900012



**811**  
Know what's below.  
Call before you dig.

|   |  |                                     |  |                          |  |
|---|--|-------------------------------------|--|--------------------------|--|
| SUB-SURFACE DRAIN PLAN  |  | MAPLE VILLAS                        |  | HAMILTON COUNTY, INDIANA |  |
| DRAWN BY: ADG   |  | CHECKED BY: BAH                     |  | SHEET NO. C603           |  |
| ASBUILT   |  | REMOVED LOT SSDS AND NON SWALE SSDS |  | REVISIONS                |  |
| DATE  |  | MARK                                |  | BY                       |  |
| 05/27/16  |  | 08/28/15                            |  |                          |  |
| <b>STOEPPELWERTH</b><br>REGISTERED No. 19358<br>STATE OF INDIANA<br>PROFESSIONAL ENGINEER<br>THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE REPORT OR A SURVEYOR LOCATION REPORT<br>CERTIFIED: 05/28/15<br><i>David J. Stoepelwerth</i> |  |                                     |  |                          |  |
| ALWAYS ON<br>7945 East 106th Street, Fishers, IN 46038-2505<br>phone: 317.845.5935 fax: 317.845.5942  |  |                                     |  |                          |  |



*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*

### ***Map Correction-Field Verification***

**Drain Number:** 350

**Drain Length:** 7883

**Drain Name:** Maple Villas

**Change + / - :** 18

**Date:** 2-17-2017

**New Length:** 7901

**Verified By:** SLM

---

**Notes & Sketch:**

The 21" RCP was incorrectly reported on the final report. The correct total of 21" RCP is 480 feet.

  
**Suzanne L. Mills**  
**GIS Specialist**