

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

March 2, 2016

To: Hamilton County Drainage Board

Re: Little Eagle Creek Drain, Maple Knoll Section 9 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 Knoll Section 9 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 549 ft. 6" SSD 4,450 ft.

The total length of the drain will be 4,999 feet.

The 560 feet of offsite open ditch from Maple Knoll Section 6 Arm, (See Surveyor's Report dated September 26, 2014 and approved by the Board at hearing on November 24, 2014, as shown in Hamilton County Drainage Board Minutes Book 16, Pages 30 to 32) becomes part of the Lake #10 with this section and shall be removed from the footage of Little Eagle Creek Drain, Maple Knoll Section 6 Arm.

The retention pond (Lake #10) located in Common Area #30 is to be considered part of the regulated drain, as other prior retention ponds in Maple Knoll 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 #10) 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:

Curblin SSD in Streets:

Peacehaven Place
Plunkett Avenue
Connolly Drive

Rear Yard SSDs:

Rear yard lots 309 to 312 from ex. Str. 359 to ex. Str. 359
Rear yard lots 475 to 477 from Str. 327B running north to riser
Rear yard lots 478 and 479 from Str. 327C running east to riser
Rear yard lots 481 and 482 from Str. 341A running east to riser
Rear yard lots 483 and 484 from Str. 345A running west to riser
Rear yard lots 485 to 494 from Str. 345A running east and north to riser

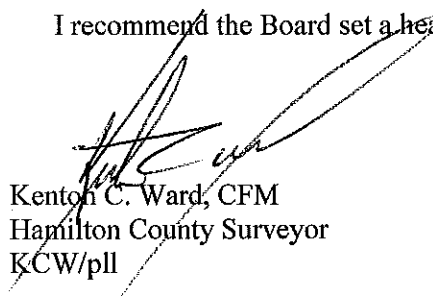
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$65.00 per platted lot, \$10.00 per 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 \$2,558.30.

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 Knoll Section 9 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for April 25, 2016.



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

(Revised 06/08/04)

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

FILED

OCT 26 2015

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

OFFICE OF HAMILTON COUNTY SURVEYOR

In the matter of Maple Knoll Subdivision, Section
Section 9 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 Knoll, Section 9, 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


Signed

Timothy J. Walter
Printed Name

October 20, 2015
Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

FINDINGS AND ORDER

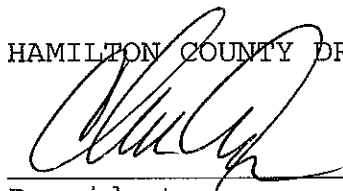
CONCERNING THE MAINTENANCE OF THE

Little Eagle Creek Drain, Maple Knoll Section 9 Arm

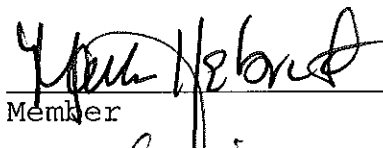
On this 25th day of April, 2016, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Little Eagle Creek Drain, Maple Knoll Section 9 Arm*.

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.

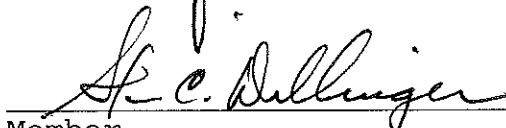
HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest:


Executive Secretary

JAN 29 2016

Maple Knoll Section 9
Engineers Estimate - Storm Sewers & Monumentation
 Prepared on: 1.22.2016

OFFICE OF HAMILTON COUNTY SURVEYOR

Item	Unit	Unit Cost	Quantities	Cost
Storm Drainage				
12" Pipe	LF	\$ 24.50	550	\$ 13,475
12" End Section	EA	\$ 820.00	2	\$ 2,730
12" Trash Guard	EA	\$ 400.00	2	\$ 1,200
Standard Storm Manholes	EA	\$ 2,470.00	2	\$ 4,940
Storm Inlets	EA	\$ 2,720.00	5	\$ 13,600
Sand Backfill and Bedding	TON	\$ 14.50	130.00	\$ 1,885
Subtotal 1				\$ 37,830
Sub-surface Drains - under curb	LF	\$ 8.60	2,692	\$ 23,151
Sub-surface Drains - swales	LF	\$ 8.60	1,713	\$ 14,732
Sub-surface Drains - sump laterals	EA	\$ 182.00	27	\$ 4,914
Subtotal 2				\$ 42,797
Total				\$ 80,627
Monuments & Markers				
Lot Corner Monuments	LOT	\$ 100.00	35.00	\$ 3,500
Street Centerline Monumentation	EA	\$ 170.00	4.00	\$ 680
Total				\$ 4,180
Erosion Control				
--> Not Applicable - Property annexed by City of Westfield and governed by Westfield MS4 permit.				
Total				\$ -
Grand Total				\$ 84,807
Per Hamilton County Ordinance - Bond Amount				120% \$ 101,768

BY: 

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

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Little Eagle Creek Drain, Maple Knoll Section 9 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 Knoll Section 9 Arm** on **April 25, 2016** 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 Knoll Section 9 Arm

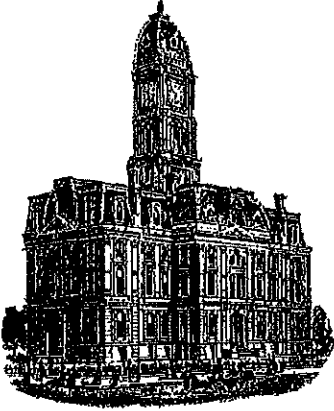
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **April 25, 2016** 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

May 24, 2017

Re: Little Eagle Creek Drain: Maple Knoll Section 9

Attached are as-built, certificate of completion & compliance, and other information for Maple Knoll Section 9. 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 March 2, 2016. The report was approved by the Board at the hearing held April 25, 2016. (See Drainage Board Minutes Book 16, Pages 520-521) The changes are as follows: the 12" RCP was shortened from 549 feet to 522 feet. The 6" SSD was shortened from 4,450 feet to 4,420 feet. The length of the drain due to the changes described above is now **4,942 feet**.

The non-enforcement was approved by the Board at its meeting on April 25, 2016 and recorded under instrument #2017000902. A surety was not provided by the developer in accordance with IC 36-9-27-67 to 69.

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 Knoll, Section 9

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 J. Stoeppelwerth Date: December 15, 2016

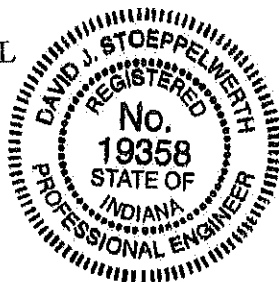
Type or Print Name: David J. Stoeppelwerth

Business Address: Stoeppelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

Telephone Number: (317) 849-5935

SEAL



INDIANA REGISTRATION NUMBER

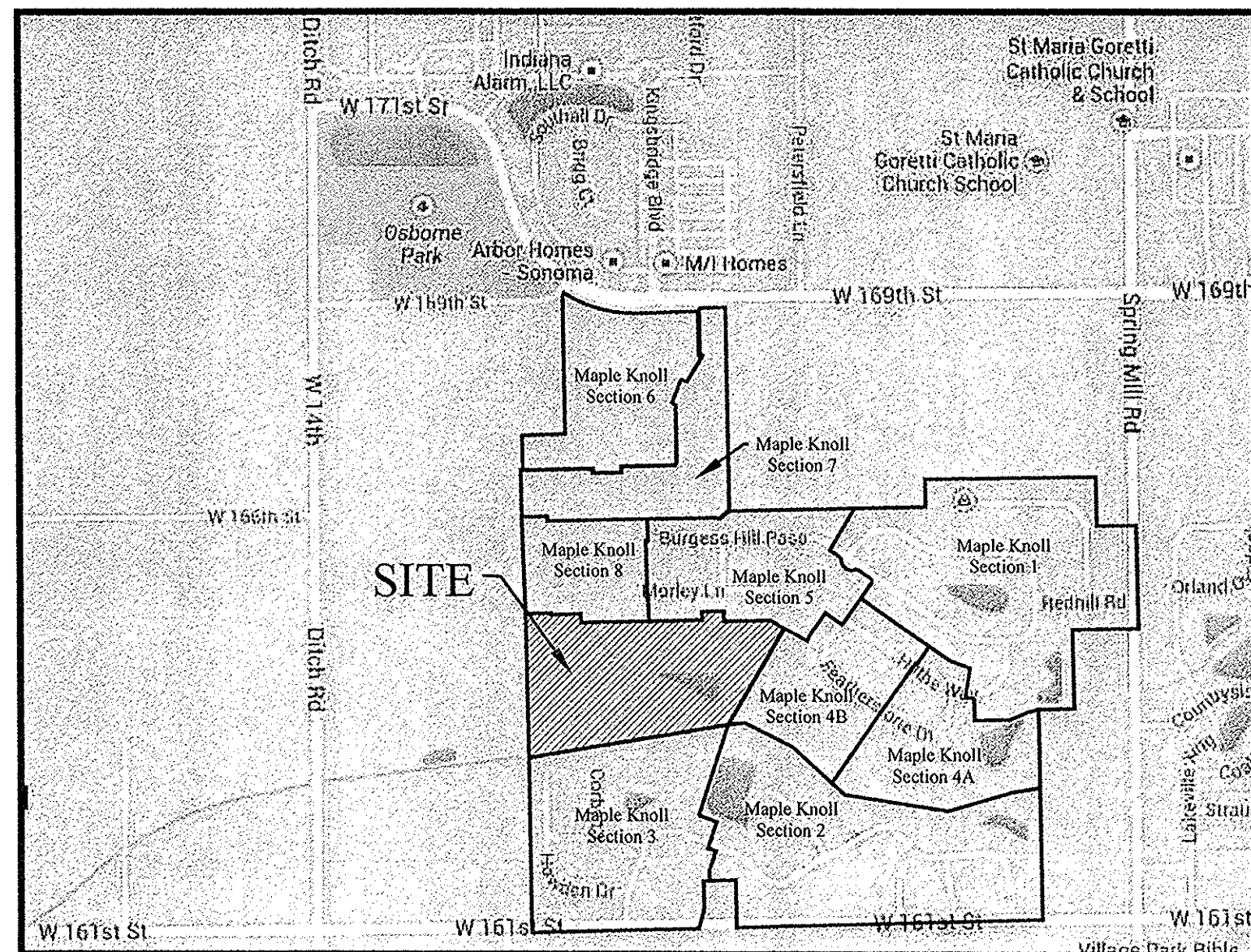
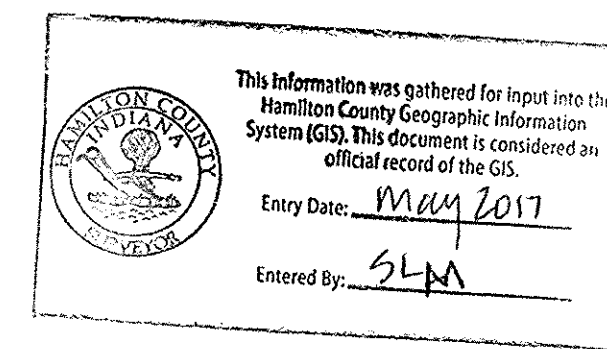
19358

MAPLE KNOLL

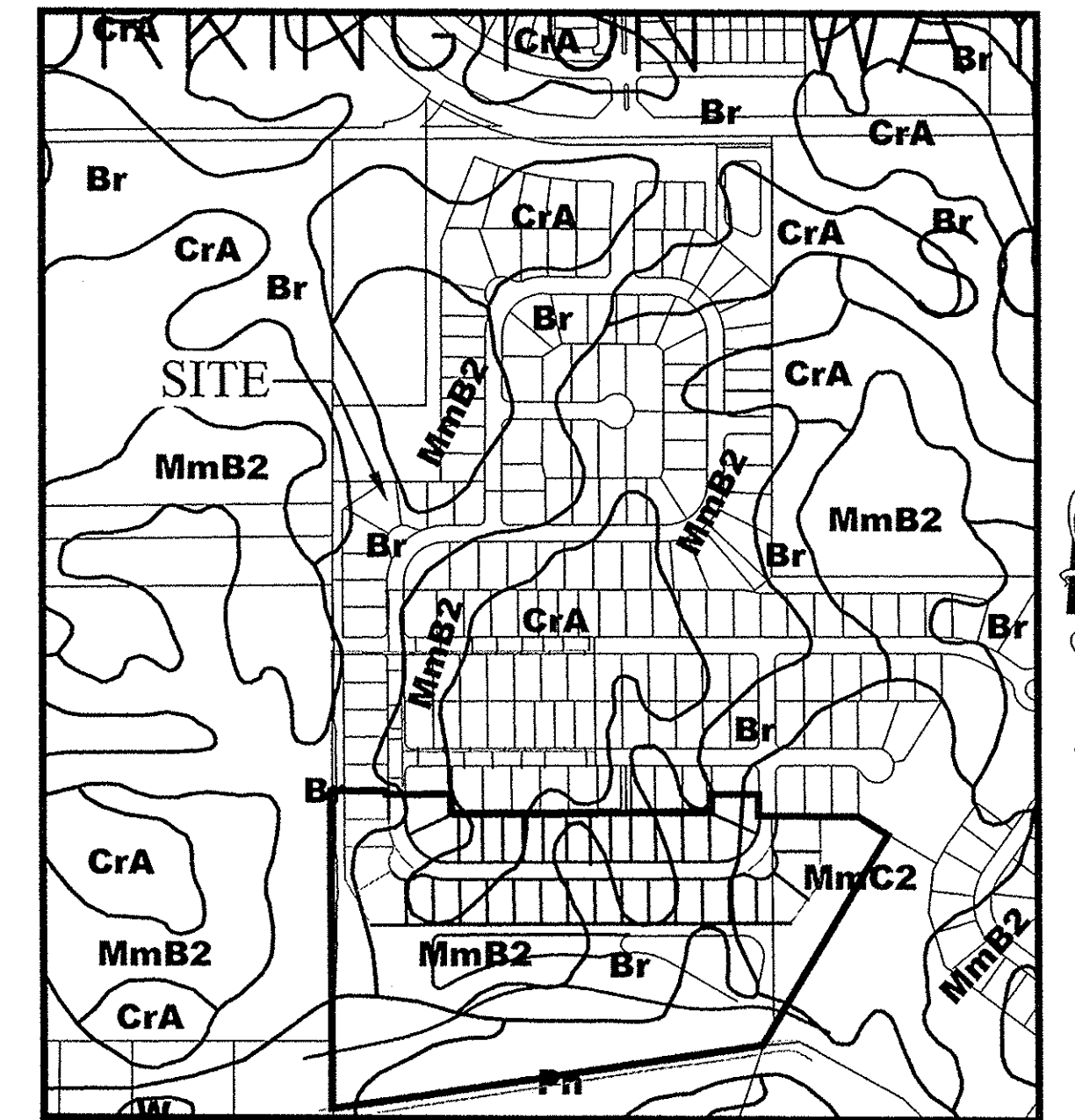
SECTION 9 RECORD DRAWING

Developed by:
MAPLE KNOLL DEVELOPER, LLC by
Platinum Properties Management Company, LLC
9757 Westpoint Drive Suite 600
Indianapolis, Indiana 46256
Phone: (317) 863-2057
Contact Person: Tim Walter

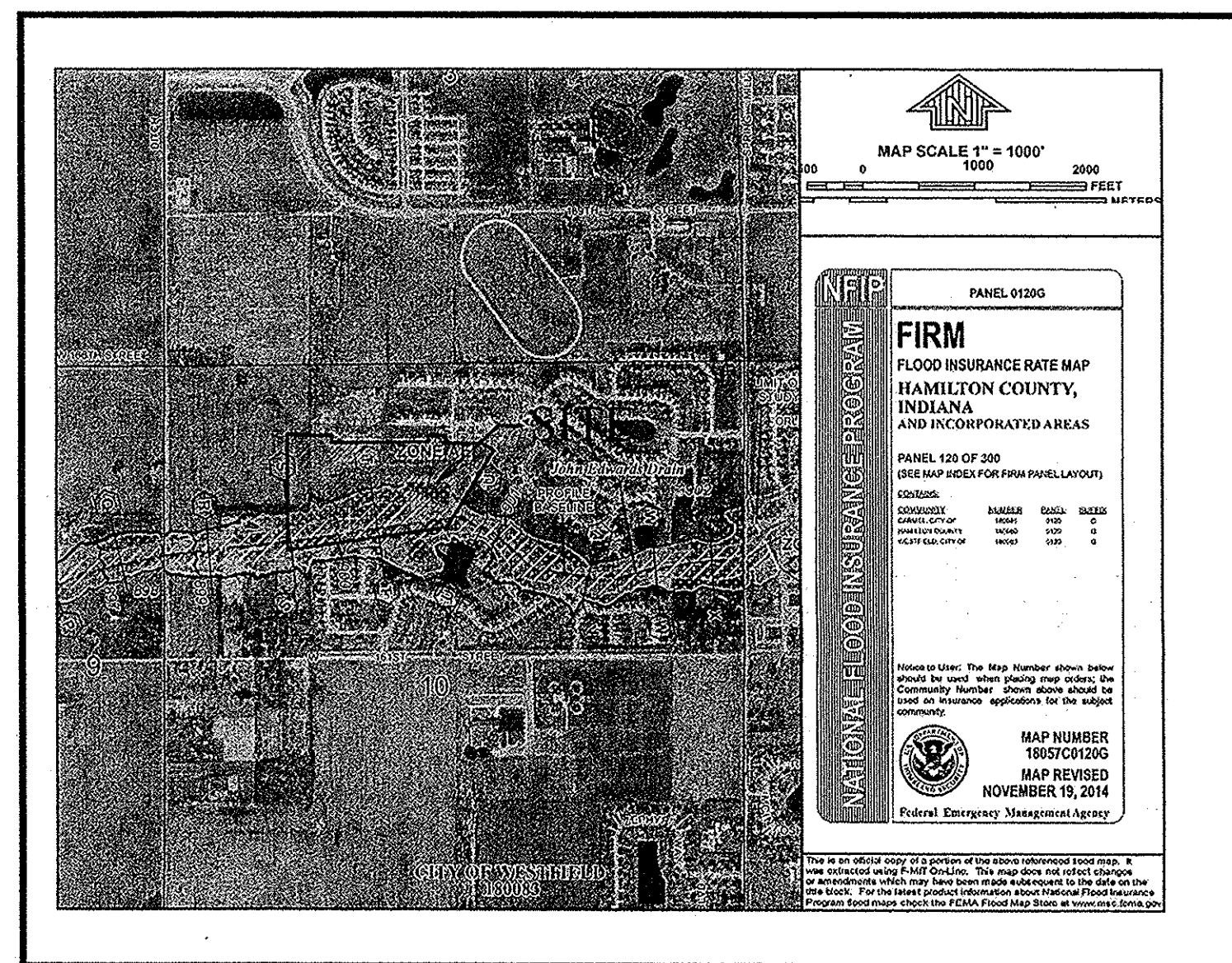
Dennis D. Olmstead
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 12/6/2016



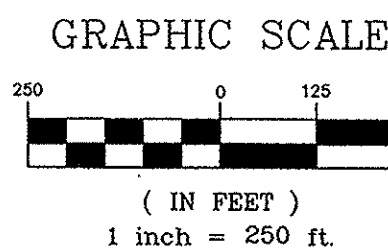
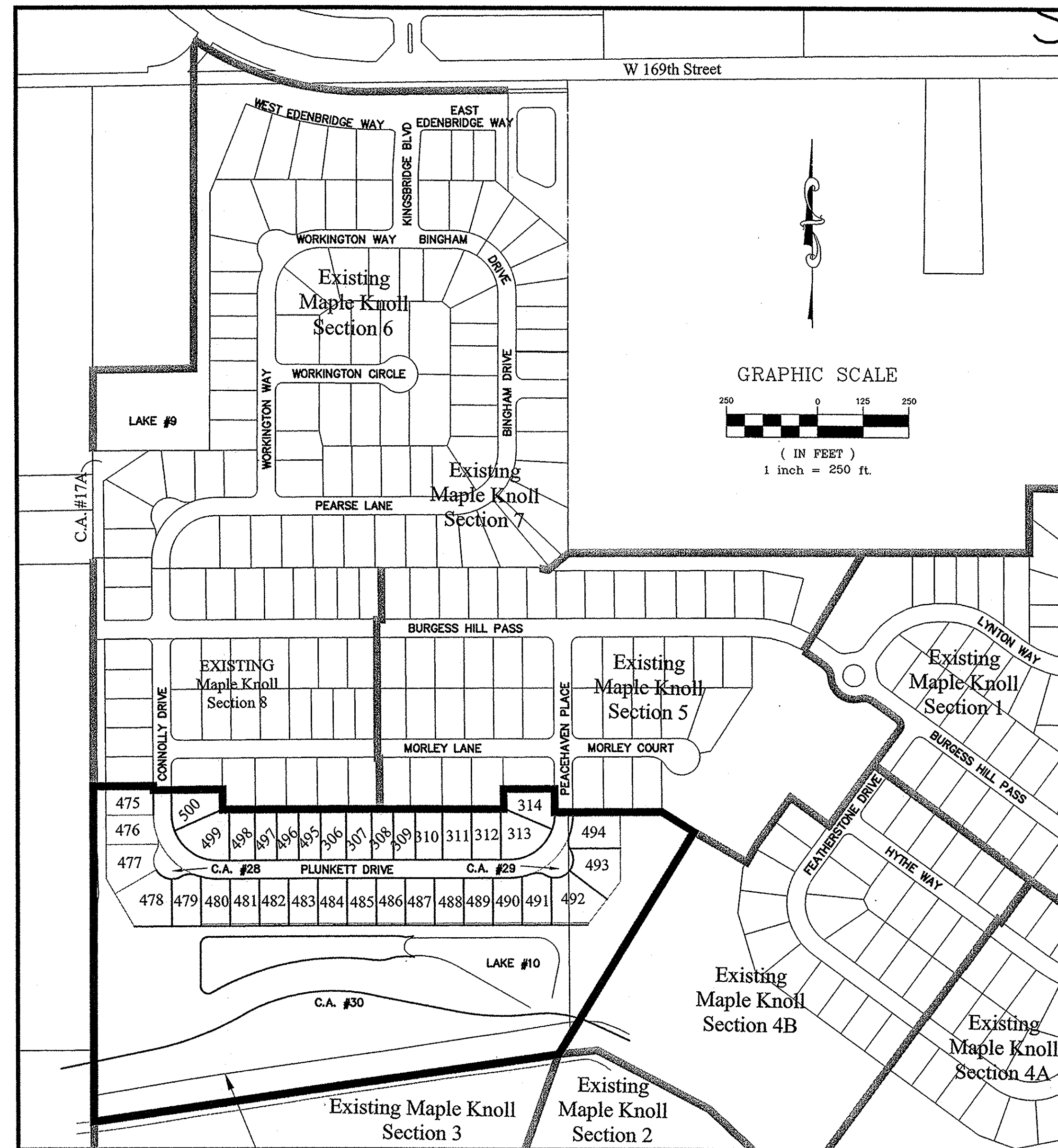
LOCATION MAP
 SCALE: 1"=1000'



SOILS MAP
 SCALE: 1"=500'



FLOOD MAP
 N.T.S.



APPROXIMATE LOCATION OF THE
 JOHN EDWARDS REGULATED DRAIN
 75' FROM THE TOP OF BANK
 PER HAMILTON COUNTY SURVEYOR'S RECORDS

UTILITY CONTACTS

- AT & T**
 5858 North College Ave.
 Indianapolis, Indiana 46220
 Contact: Michael Hayes
 Ph: (317) 252-4007
- Frontier Communications**
 20905 Hague Road (Rear Building)
 Noblesville, Indiana 46060
 Contact: Steve Costlow
 Ph: (317) 984-9010
- Comcast Cable**
 5330 East 65th Street
 Indianapolis, Indiana 46220
 Contact: Matt Stringer
 Ph: (317) 774-3384
- Vectren Energy**
 16999 Allisonville Road
 Noblesville, Indiana 46060
 Contact: Charlotte May
 Ph: (317) 776-5592
- Duke Energy**
 16475 Southpark Drive
 Westfield, Indiana 46074
 Contact: Shirley Hunter
 Ph: (317) 896-6711
- Brighthouse Networks**
 3030 Roosevelt Ave.
 Indianapolis, Indiana 46218
 Contact: Gary Richardson
 Ph: (317) 632-9077
- Citizens Wastewater of Westfield, LLC**
 2150 Dr. Martin Luther King Jr. St.
 Indianapolis, Indiana 46202
 Contact: Ryan Taylor
 Ph: (317) 917-6053
- Citizens Water of Westfield, LLC**
 2150 Dr. Martin Luther King Jr. St.
 Indianapolis, Indiana 46202
 Contact: Ryan Taylor
 Ph: (317) 917-6053
- Westfield Public Works Department**
 2706 East 171st Street
 Westfield, Indiana 46074
 Contact: Jeremy Lollar
 Ph: (317) 917-6053

Map Unit: Br - Brookston silty clay loam

Br-Brookston silty clay loam
 This poorly drained soil has a seasonal high water table above the surface or within 1.0 ft. and is in depressions. Slopes are 0 to 2 percent. The native vegetation is water tolerant grasses and hardwoods. The surface layer is silty clay loam and has moderate or high organic matter content (2.0 to 5.0 percent). Permeability is moderately slow (0.2 to 0.6 in/hr) in the most restrictive layer above 60 inches. Available water capacity is high (10.0 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 6.1 to 7.3. This soil is hydric. Wetness is a management concern for crop production. This soil responds well to tile drainage.

Map Unit: CrA - Crosby silt loam, 0 to 2 percent slopes

CrA-Crosby silt loam, 0 to 2 percent slopes
 This is a somewhat poorly drained soil and has a seasonal high water table at 0.5 to 2.0 ft. and is on rises on uplands. Slopes are 0 to 2 percent. The native vegetation is hardwoods. The surface layer is silt loam and has moderately low or moderate organic matter content (1.0 to 3.0 percent). Permeability is very slow (< 0.06 in/hr) in the most restrictive layer above 60 inches. Available water capacity is moderate (6.2 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 5.1 to 6.0. Droughtiness and wetness are management concerns for crop production. This soil responds well to tile drainage.

Map Unit: MmB2 - Miami silt loam, 2 to 6 percent slopes, eroded

MmB2-Miami silt loam, 2 to 6 percent slopes, eroded
 This moderately well drained soil has a seasonal high water table at 2.0 to 3.5 ft. and is on sidelopes and rises on uplands. Slopes are 2 to 6 percent. The native vegetation is hardwoods. The surface layer is silt loam and has moderately low organic matter content (1.0 to 2.0 percent). Permeability is very slow (< 0.06 in/hr) in the most restrictive layer above 60 inches. Available water capacity is low (5.9 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 5.1 to 6.0. Droughtiness and water erosion are management concerns for crop production.

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.

ALL CONTRACTORS SHALL REVIEW CITY OF WESTFIELD STANDARDS AND SPECIFICATIONS PRIOR TO BIDDING ON THIS PROJECT. ADDITIONAL SPECIFICATIONS, NOT INCLUDED IN THIS SET OF PLANS, MAY BE REQUIRED. <http://www.westfield.in.gov/egov/apps/document/center.egov?view=item;id=50>

THE PRESENCE OF A CITY OF WESTFIELD REVIEW AND ACCEPTANCE STAMP ON PLANS DOES NOT RELIEVE THE CONTRACTOR OR DEVELOPER FROM COMPLIANCE OF THE "CITY OF WESTFIELD CONSTRUCTION STANDARDS, LATEST EDITION". THIS REVIEW ONLY DESIGNATES THAT THE GENERAL CONFORMANCE WITH DESIGN AND SPECIFICATIONS HAVE BEEN MET. FIELD CHANGES MAY BECOME NECESSARY IN ORDER TO COMPLY WITH THE DETAILED CITY OF WESTFIELD SPECIFICATIONS.

PLANS PREPARED BY:
STOEPPELWERTH & ASSOCIATES, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 7965 E. 106TH STREET, FISHERS, INDIANA 46038
 PHONE: (317)-849-5935
 FAX: (317)-849-5942
 CONTACT PERSON: BRIAN K. ROBINSON
 EMAIL: brobinson@Stoepfelwerth.com

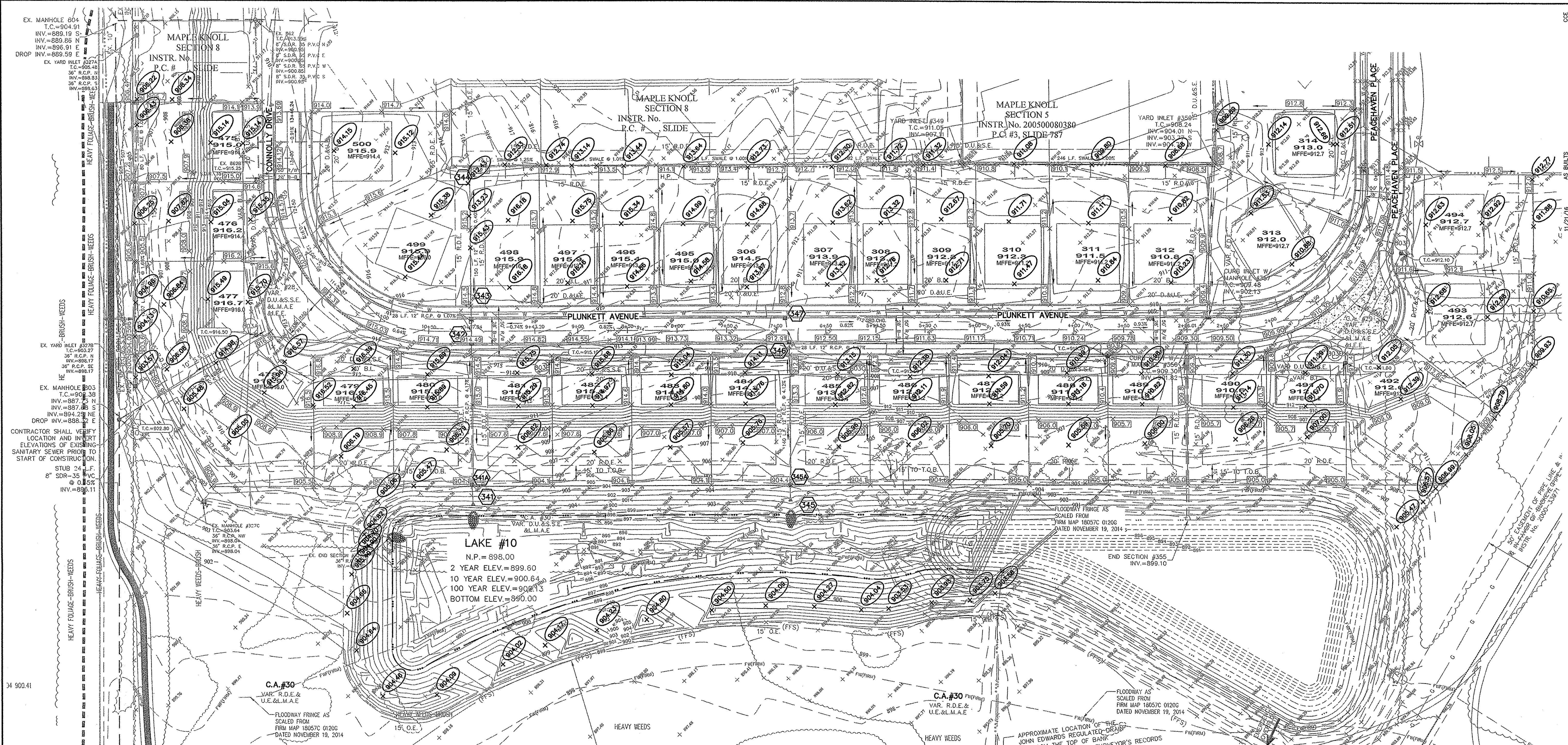
PLANS CERTIFIED BY:

David J. Stoepfelwerth 3/01/13
 DAVID J. STOEPPELWERTH
 PROFESSIONAL LAND SURVEYOR
 NO. 19358



INDEX	
SHT.	DESCRIPTION
C001	COVER SHEET
C100-C101	TOPOGRAPHICAL SURVEY
C200-C202	SITE DEVELOPMENT PLAN/SITE PLAN
C300-C305	STORMWATER POLLUTION & PREVENTION PLANS & SPECIFICATIONS
C400-C402	STREET PLAN & PROFILES/ENTRANCE & INTERSECTION PLAN
C500-C501	SANITARY SEWER PLAN & PROFILES
C600-C601	STORM SEWER PLAN & PROFILES / SUMP PUMP PLAN
C700-C701	WATER PLANS/DETAILS
C800-C806	SPECIFICATIONS
C901-C903	LANDSCAPE PLANS

REVISIONS	
SHT.	DESCRIPTIONS
ALL	REVISED PER TAC COMMENTS 10/29/14 KRG
ALL	REVISED PER COMMENTS 10/20/15 DCM
ALL	REVISED PER TAC COMMENTS 12/02/15 GEM
ALL	ADDED 6" ASPHALT PATH 12/10/15 DCM
ALL	REVISED PER CITIZENS WESTFIELD COMMENTS 12/28/15 DCM
ALL	REVISED PER CITY OF WESTFIELD COMMENTS 01/05/16 DCM
ALL	ADJUSTED FOR NEW TOPOGRAPHICAL SURVEY 01/05/16 DCM
C700	REVISED PER CITIZENS COMMENTS 02/02/16 KJIM
C700	REVISED PER OWNERS COMMENTS 09/16/16 DCM
C200-C201, C500-C501, C600-C600, C700	AS BUILTS 11/21/16 CCE



LEGEND

B.S.L. Building Setback Line
 D&U.E. Drainage & Utility Easement
 D.U.&S.S.E. Drainage, Utility & Sanitary Sewer Easement

H.P. High Point
 L.P. Low Point
 GRD. CHG. Grade Change
 M.E. Match Existing

* ADA RAMP (SEE DETAIL SHT. C803)

--- EXISTING CONTOUR
 --- EXISTING SANITARY SEWER
 --- EXISTING STORM SEWER

--- PROPOSED GRADE
 --- PROPOSED CONTOUR
 --- PROPOSED SANITARY SEWER
 --- PROPOSED STORM SEWER
 --- PROPOSED WATER LINE
 --- PROPOSED SWALE

--- PROPOSED 5' SIDEWALK (BY HOME BUILDER) (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)

13
761.0

LOT NUMBER
PAD ELEVATION

GENERAL NOTES:

- ALL SSD (SUBSURFACE DRAINS) WILL NEED TO BE 6" DOUBLE WALL SMOOTH BORE PERFORATED (HDPE) PIPE.
- ALL EXISTING OFF-SITE DRAIN TILES THAT ARE ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW. ANY TILE THAT IS ENCOUNTERED THAT IS COMPLETELY ON-SITE MUST BE CRUSHED AND ABANDONED.
- ALL PADS SHALL BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.
- 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.
- ALL SSD UNDER CURB AND REAR YARD SWALE SSD SHALL BE CLEANED AND TELEVIEWED AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND SUBMITTED TO CITY OF WESTFIELD INSPECTOR.

- EARTHWORK:**
- EXCAVATION**
 - A. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
 - B. Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
 - REMOVAL OF TREES**
 - A. All trees and stumps shall be removed from areas to be occupied by a road surface or structure area. Trees and stumps shall not be buried on site.
 - PROTECTION OF TREES**
 - A. The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
 - B. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect to protective measure to be taken, if any, to preserve such trees.
 - REMOVAL OF TOPSOIL**
 - A. All topsoil shall be removed from all areas beneath future pavements or building. Topsoil removal shall be to a minimum depth of 6 inches or to the depth indicated in the geotechnical report provided by the Developer to be excavated or filled. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
 - UTILITIES**
 - A. Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - B. It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
 - SITE GRADING**
 - A. Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - B. The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.05 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 - C. The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

RECORD DRAWING

STRUCTURE TABLE

STR.#	TYPE	T.C.	CASTING TYPE	DIAMETER IN	DIRECTION IN	INV. IN	DIAMETER OUT	DIRECTION OUT	INV. OUT	SLOPE
341	END SECTION			12	N	898.00				
341A	MANHOLE	904.70	R-1772	12	N	899.20	12	S	899.20	5.74%
342	CURB INLET W/MANHOLE	914.60	R-3501-L2	12	N	907.00	12	S	905.00	4.17%
343	CURB INLET W/MANHOLE	914.70	R-3501-L2	12	N	907.40	12	S	907.30	1.07%
344	YARD INLET	912.20	R-4342	12	N	908.00	12	S	908.00	0.40%
345	END SECTION			12	N	898.00				
345A	MANHOLE	904.00	R-1772	12	N	899.34	12	S	899.24	7.47%
346	CURB INLET	913.00	R-3501-TL	12	N	906.85	12	S	905.13	4.12%
347	CURB INLET	912.90	R-3501-TR	12	N	908.15	12	S	908.15	4.57%

BENCHMARK ELEVATION = 924.24 (NGVD 88)

B 112 - A STANDARD DISK, STAMPED "B 112 1946" AND SET IN THE TOP OF A CONCRETE POST PROJECT 5" ABOVE GROUND, LOCATED ALONG S.R. 32 AND 0.25 MILES EAST OF CASEY ROAD, 24 FEET NORTH OF THE CENTERLINE OF SAID HIGHWAY, 167 FEET EAST OF THE CENTERLINE OF THE DRIVEWAY LEADING TO H.J. MATTHEWS FARM HOUSE, 75 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF A BARN, 4 FEET EAST OF A FENCE CORNER POST.

SEE SHEET C100 FOR TBM. NO.1 - TBM. NO.8.

STOEPPELWERTH
ALWAYS ON

7945 East 10th Street, Fishers, IN 46038-9255
phone: 317.849.5935 fax: 317.849.5942

REGISTERED PROFESSIONAL ENGINEER
No. 19358
STATE OF INDIANA

REGISTERED LAND SURVEYOR
No. 900012
STATE OF INDIANA

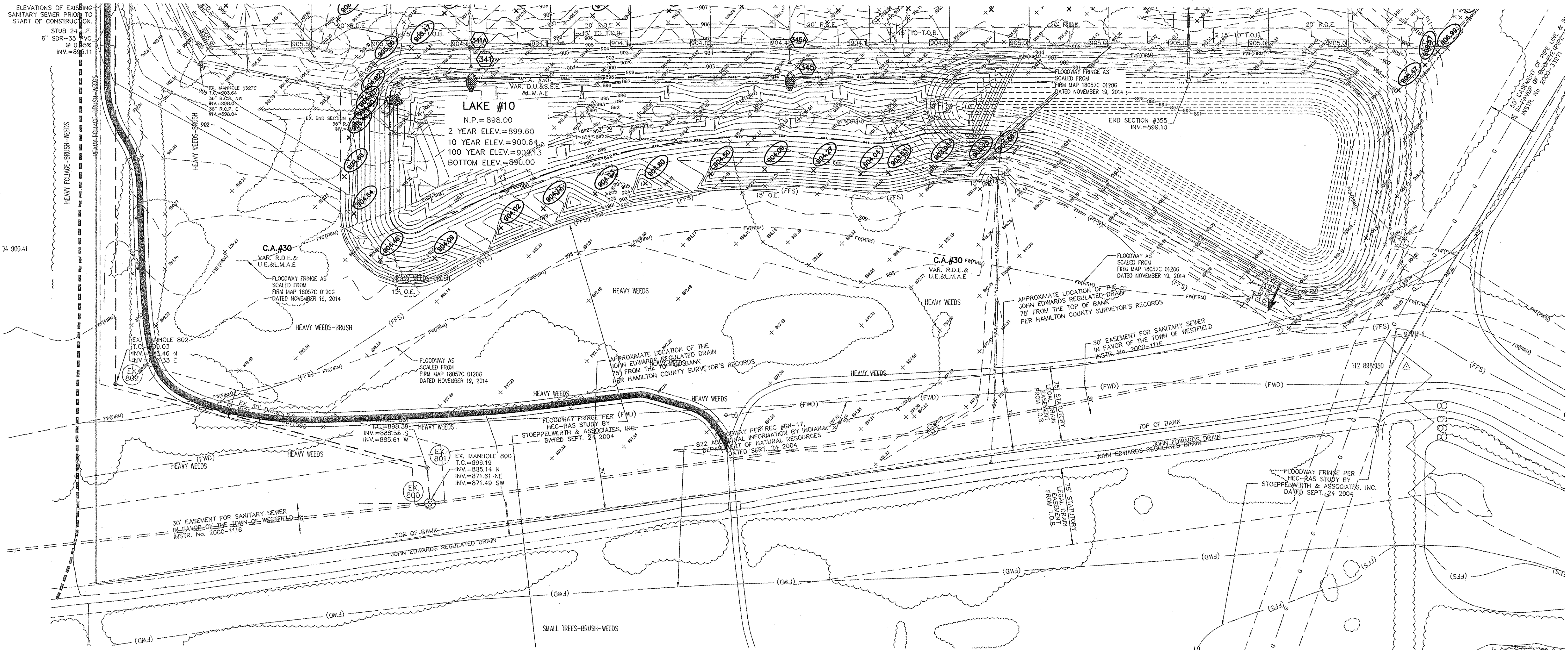
13
761.0

LOT NUMBER
PAD ELEVATION

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

C200
S & A JOB NO.
34676PLA-S9

DRAWN BY: KRG CHECKED BY: BKR
SHEET NO.
DATE: 11/21/16



ELEVATIONS OF EXISTING SANITARY SEWER PRIOR TO START OF CONSTRUCTION:
 STUB 24' F.W.C.
 8" SDR-35 PVC
 @ 0.3%
 INV.=899.11

LAKE #10
 N.P. = 898.00
 2 YEAR ELEV.=899.60
 10 YEAR ELEV.=900.64
 100 YEAR ELEV.=903.13
 BOTTOM ELEV.=890.00

C.A.#30
 VAR. R.D.E. & U.E. & L.M.A.E.
 FLOODWAY FRINGE AS SCALED FROM FIRM MAP 18057C 0120G DATED NOVEMBER 19, 2014

C.A.#30
 VAR. R.D.E. & U.E. & L.M.A.E.
 FLOODWAY AS SCALED FROM FIRM MAP 18057C 0120G DATED NOVEMBER 19, 2014

END SECTION #355
 INV.=899.10

30' EASEMENT FOR SANITARY SEWER IN FAVOR OF THE TOWN OF WESTFIELD INSTR. No. 2000-1116

APPROXIMATE LOCATION OF THE JOHN EDWARDS REGULATED DRAIN (75') FROM THE TOP OF BANK PER HAMILTON COUNTY SURVEYOR'S RECORDS

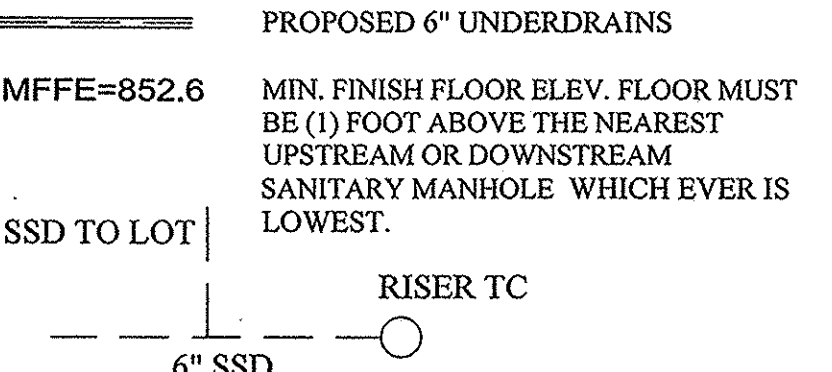
APPROXIMATE LOCATION OF THE JOHN EDWARDS REGULATED DRAIN (75') FROM THE TOP OF BANK PER HAMILTON COUNTY SURVEYOR'S RECORDS

30' EASEMENT FOR SANITARY SEWER IN FAVOR OF THE TOWN OF WESTFIELD INSTR. No. 2000-1116

FLOODWAY FRINGE PER HEC-RAS STUDY BY STOEPPELWERTH & ASSOCIATES, INC. DATED SEPT. 24 2004

LEGEND

- B.S.L. Building Setback Line
- D&U.E. Drainage & Utility Easement
- D.U.&S.S.E. Drainage, Utility & Sanitary Sewer Easement
- H.P. High Point
- L.P. Low Point
- GRD. CHG. Grade Change
- M.E. Match Existing
- ADA RAMP (SEE DETAIL SHT. C803)
- EXISTING CONTOUR
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE
- PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER LINE
- PROPOSED SWALE
- PROPOSED 5' SIDEWALK (BY HOME BUILDER) (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)



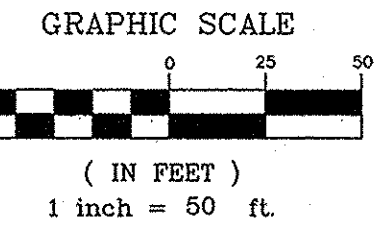
GENERAL NOTES:

1. ALL SSD (SUBSURFACE DRAINS) WILL NEED TO BE 6" DOUBLE WALL SMOOTH BORE PERFORATED (HDPE) PIPE.
2. ALL EXISTING OFF-SITE DRAIN TILES THAT ARE ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW. ANY TILE THAT IS ENCOUNTERED THAT IS COMPLETELY ON-SITE MUST BE CRUSHED AND ABANDONED.
3. ALL PADS SHALL BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.
4. 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.
5. ALL SSD UNDER CURB AND REAR YARD SWALE SSD SHALL BE CLEANED AND TELEVISIONED AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND SUBMITTED TO CITY OF WESTFIELD INSPECTOR.

EARTHWORK:

1. EXCAVATION
 - A. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
 - B. Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
2. REMOVAL OF TREES
 - A. All trees and stumps shall be removed from areas to be occupied by a road surface or structure area. Trees and stumps shall not be buried on site.
3. PROTECTION OF TREES
 - A. The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
 - B. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect to protective measure to be taken, if any, to preserve such trees.
4. REMOVAL OF TOPSOIL
 - A. All topsoil shall be removed from all areas beneath future pavements or building. Topsoil removal shall be to a minimum depth of 6 inches or to the depth indicated in the geotechnical report provided by the Developer to be excavated or filled. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
5. UTILITIES
 - A. Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - B. It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
6. SITE GRADING
 - A. Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - B. The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.05 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 - C. The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

STRUCTURE TABLE										
STR.#	TYPE	T.C.	CASTING TYPE	DIAMETER IN	DIRECTION IN	INV._IN	DIAMETER OUT	DIRECTION OUT	INV._OUT	SLOPE
341	END SECTION			12	N	898.00				
341A	MANHOLE	904.70	R-1772	12	N	899.20	12	S	899.20	5.74%
342	CURB INLET W/MANHOLE	914.60	R-3501-L2	12	N	907.00	12	S	905.00	4.17%
343	CURB INLET W/MANHOLE	914.70	R-3501-L2	12	N	907.40	12	S	907.30	1.07%
344	YARD INLET	912.20	R-4342				12	S	908.00	0.40%
345	END SECTION			12	N	898.00				
345A	MANHOLE	904.00	R-1772	12	N	899.34	12	S	899.24	7.47%
346	CURB INLET	913.00	R-3501-TL	12	N	906.85	12	S	905.13	4.12%
347	CURB INLET	912.90	R-3501-TR				12	S	908.15	4.57%



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.

13
761.0

DATE	MARK	BY
12/08/16		DCM
10/18/16		DCM
10/05/16		DCM
12/28/15		DCM
12/10/15		DCM
12/09/15		DCM
10/29/15		DCM
10/29/14		DCM
		KRG
		BY

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

CERTIFIED: 10/01/14
 David J. Stoepelwerth

REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA

STOEPPELWERTH
 ALWAYS ON

7905 East 10th Street, Fishers, IN 46038-2205
 phone: 317.849.5985 fax: 317.849.5342



SITE DEVELOPMENT PLAN
MAPLE KNOLL SECTION 9
 HAMILTON COUNTY, INDIANA
 WESTFIELD, WASHINGTON TWP.

DRAWN BY: KRG
 CHECKED BY: BKR

SHEET NO. C201
 S & A JOB NO. 34676PLA-S9

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: May 2017
 Entered By: SKM

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 12/6/2016

REGISTERED LAND SURVEYOR
 No. 900012
 STATE OF INDIANA

BENCHMARK ELEVATION = 924.24 (NGVD 88)

B 112 - A STANDARD DISK, STAMPED "B 112 1946" AND SET IN THE TOP OF A CONCRETE POST PROJECT 9" ABOVE GROUND, LOCATED ALONG S.E. 32 AND 0.25 MILES EAST OF CASEY ROAD, 24 FEET NORTH OF THE CENTERLINE OF SAID HIGHWAY, 167 FEET EAST OF THE CENTERLINE OF THE DRIVEWAY LEADING TO H.J. MATTHEWS FARM HOUSE, 75 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF A BARN, 4 FEET EAST OF A FENCE CORNER POST.

SEE SHEET C100 FOR TBM, NO. 1 - TBM, NO. 8.

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

IUPPS Dig Safety
 Indiana Underground Plant Protection Service

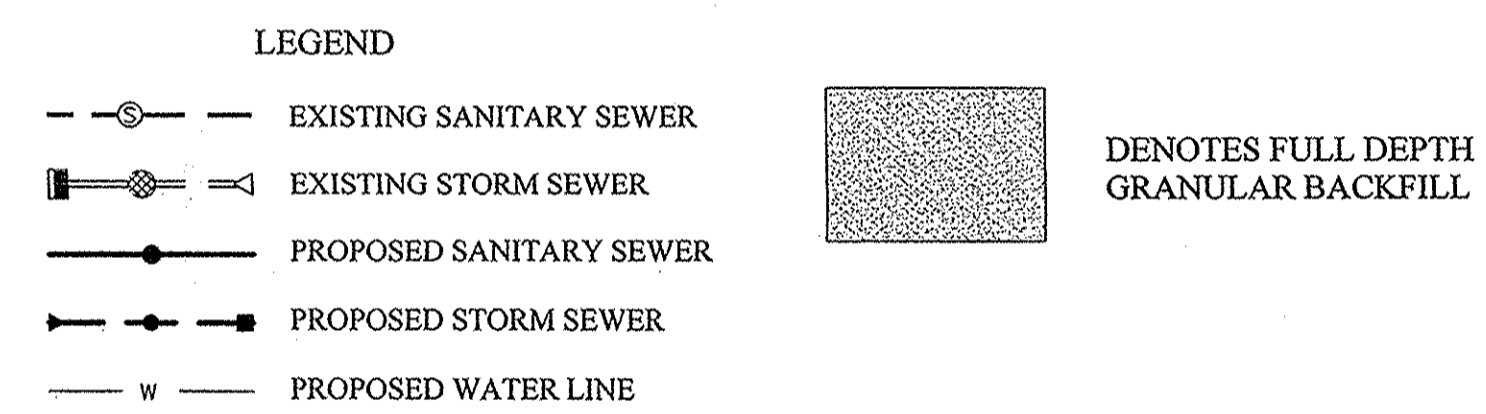
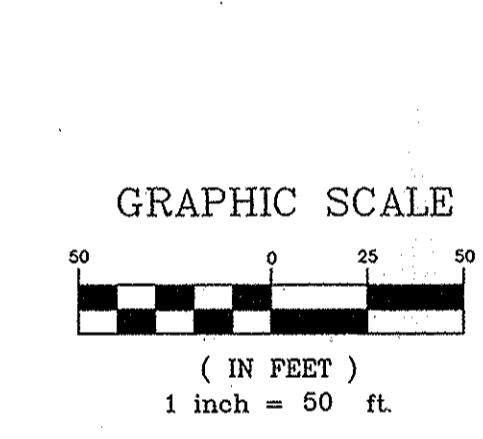
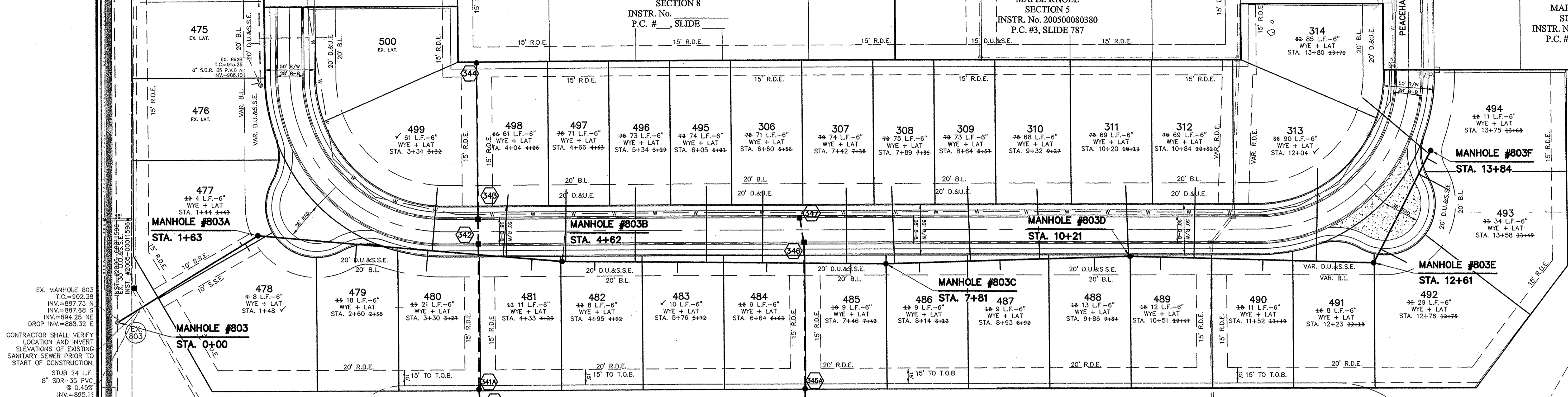
EX. MANHOLE 804
T.C.=904.91
INV.=889.19 S
INV.=889.88 N
INV.=886.91 E
DROP INV.=889.59 E

MAPLE KNOLL
SECTION 8
INSTR. No.
P.C. #, SLIDE

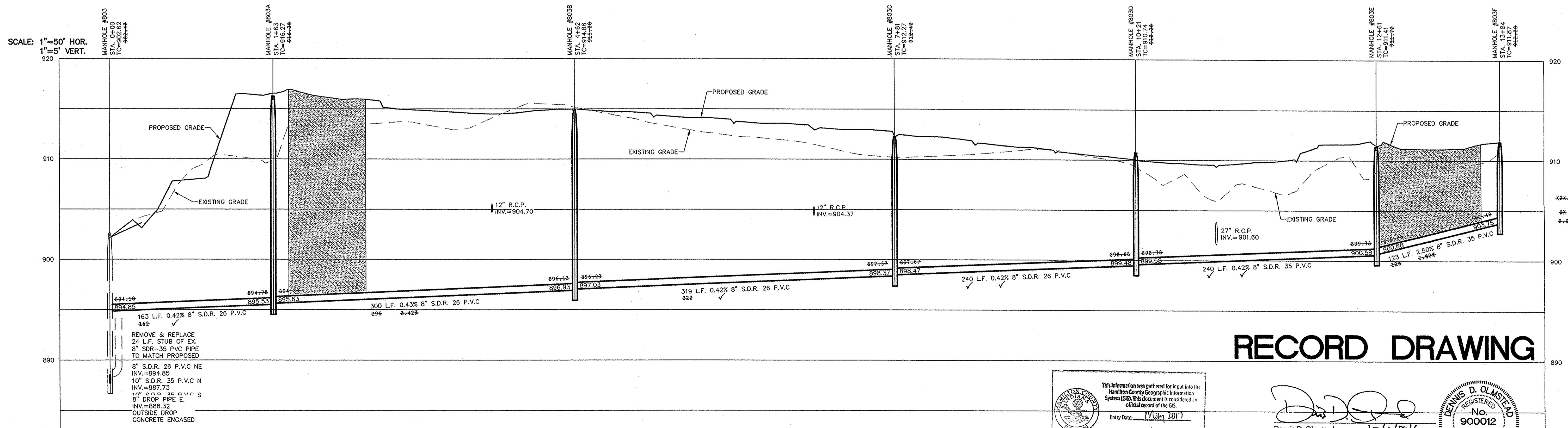
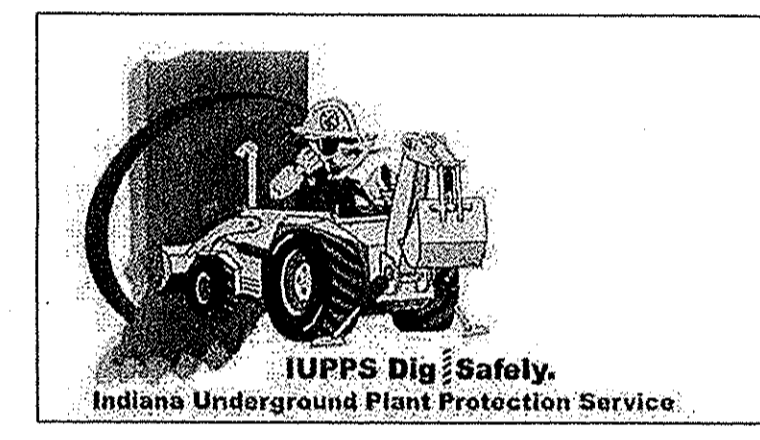
MAPLE KNOLL
SECTION 8
INSTR. No.
P.C. #, SLIDE

MAPLE KNOLL
SECTION 5
INSTR. No. 200500080380
P.C. #3, SLIDE 787

MAPLE
SEC
INSTR. No.
P.C. #3,



- NOTES**
- MIN. SLOPES PER THE TEN STATE STANDARDS SHALL PREVAIL IN ALL CASES.
 - SEWER LATERALS SHALL EXTEND TO A POINT NO LESS THAN 5' AND NO GREATER THAN 7' FROM BUILDING LINE, AS SHOWN. ALL SANITARY SEWER LATERALS SHALL HAVE LOCATE WIRE RUN WHEN INSTALLING.
 - CONTRACTOR SHALL INSTALL LATERAL NO GREATER THAN 6' BELOW PAD GRADE AT LATERAL END.
 - MANHOLE STRUCTURES TO BE CONSTRUCTED TO REQUIRE ONE-4" RISER RING NO MORE, NO LESS TO MEET PLAN T.C. GRADE.
 - ALL MAIN AND LATERAL ROAD CROSSINGS SHALL BE FULL DEPTH GRANULAR BACKFILL.
 - SANITARY SEWERS ARE NOT WITHIN 100' OF WATER WELLS.
 - NO VALVES OR BOXES ARE ALLOWED IN PAVEMENT, ROADWAYS, SIDEWALKS TRAILS OR ADA RAMP.
 - WPWD INSPECTOR NEEDS TO BE ON SITE TO SEE INSTALLATION OF PIPES UNDER ROADWAYS.



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: May 2017
Entered By: SLM

Dennis D. Olmstead
Registered Land Surveyor
No. 900012



DATE	MARK	REVISIONS
11/21/16		AS BUILTS
10/18/16		ADJUSTED FOR NEW TOPOGRAPHICAL SURVEY
10/15/16		REVISED PER CITY OF WESTFIELD COMMENTS
12/28/15		REVISED PER CITIZENS WESTFIELD COMMENTS
12/10/15		ADDED 6\"/>

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY. A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.
CERTIFIED: 10/01/14
David J. Stoppelwerth

STOEPPELWERTH
ALWAYS ON
7945 East 100th Street, Fishers, IN 46038-2505
phone: 317.845.5935 fax: 317.845.5942

SANITARY PLAN & PROFILE
MAPLE KNOLL
SECTION 9
HAMILTON COUNTY, INDIANA
WESTFIELD, WASHINGTON TWP.

DRAWN BY: KRG
CHECKED BY: BKR
SHEET NO.
C500
S & A JOB NO.
34676PLA-59

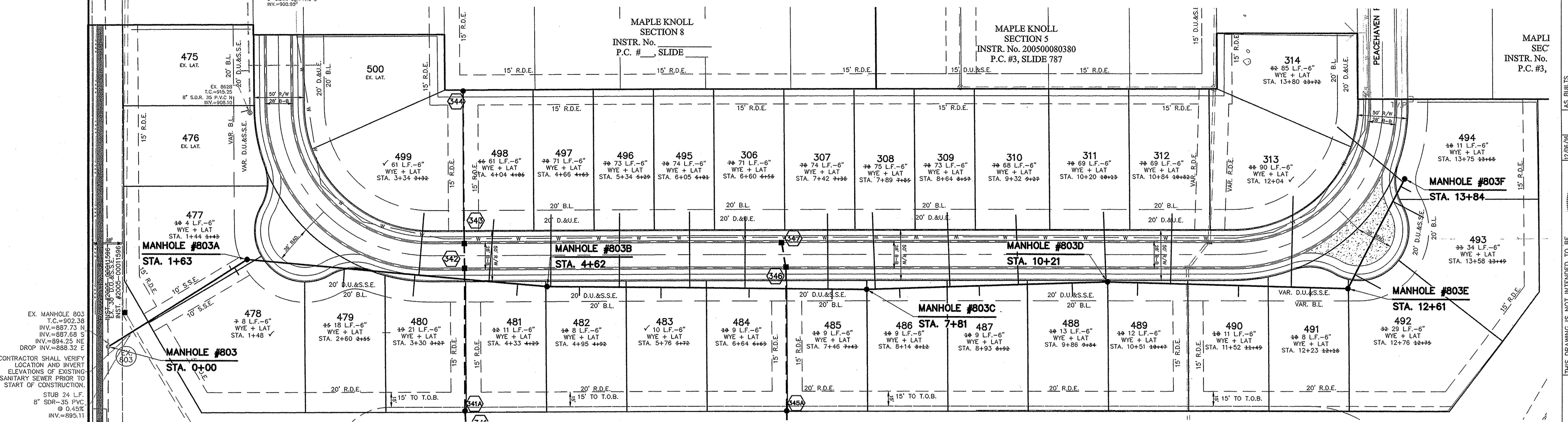
EX. MANHOLE 804
T.C.=904.91
INV.=899.19 S
INV.=899.86 N
INV.=896.91 E
DROP INV.=889.59 E

MAPLE KNOLL
SECTION 8
INSTR. No. _____
P.C. #, SLIDE _____

MAPLE KNOLL
SECTION 8
INSTR. No. _____
P.C. #, SLIDE _____

MAPLE KNOLL
SECTION 5
INSTR. No. 200500080380
P.C. #3, SLIDE 787

MAPLE
SEC
INSTR. No.
P.C. #3,



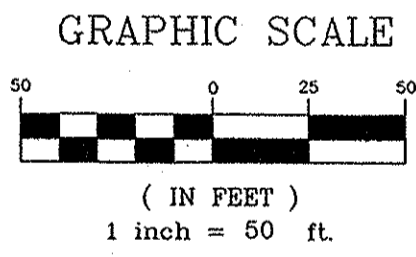
EX. MANHOLE 803
T.C.=902.38
INV.=887.73 N
INV.=887.68 S
INV.=894.25 NE
DROP INV.=886.32 E

CONTRACTOR SHALL VERIFY
LOCATION AND INVERT
ELEVATIONS OF EXISTING
SANITARY SEWER PRIOR TO
START OF CONSTRUCTION.

STUB 24 L.F.
8" SDR-35 PVC
@ 0.45%
INV.=895.11

STR.#	TYPE	T.C.	CASTING TYPE	DIAMETER IN	DIRECTION IN	INV._IN	DIAMETER OUT	DIRECTION OUT	INV._OUT	SLOPE
803	EX.	902.80	EXISTING	8	NE	894.85	10	S	887.68	0.30%
803A	4' MH	916.50	R-1772	8	E	895.63	8	SW	895.53	0.42%
803B	4' MH	915.10	R-1772	8	E	897.03	8	W	896.93	0.43%
803C	4' MH	912.50	R-1772	8	E	898.47	8	W	898.37	0.42%
803D	4' MH	910.90	R-1772	8	E	899.58	8	W	899.48	0.42%
803E	4' MH	911.60	R-1772	8	NE	900.68	8	W	900.58	0.42%
803F	4' MH	912.10	R-1772	8			8	SW	903.75	2.50%

PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
803A-803B	8"	299.60'	0.43%	S.D.R. 26 P.V.C.
EX.803-803A	8"	162.70'	0.42%	S.D.R. 26 P.V.C.
803D-803E	8"	239.68'	0.42%	S.D.R. 35 P.V.C.
803C-803D	8"	240.24'	0.42%	S.D.R. 26 P.V.C.
803B-803C	8"	318.53'	0.42%	S.D.R. 26 P.V.C.
803E-803F	8"	123.07'	2.50%	S.D.R. 35 P.V.C.



DENOTES FULL DEPTH GRANULAR BACKFILL

NOTES

- MIN. SLOPES PER THE TEN STATE STANDARDS SHALL PREVAIL IN ALL CASES.
- SEWER LATERALS SHALL EXTEND TO A POINT NO LESS THAN 5' AND NO GREATER THAN 7' FROM BUILDING LINE, AS SHOWN. ALL SANITARY SEWER LATERALS SHALL HAVE LOCATE WIRE RUN WHEN INSTALLING.
- CONTRACTOR SHALL INSTALL LATERAL NO GREATER THAN 6' BELOW PAD GRADE AT LATERAL END.
- MANHOLE STRUCTURES TO BE CONSTRUCTED TO REQUIRE ONE-4" RISER RING NO MORE, NO LESS TO MEET PLAN T.C. GRADE.
- ALL MAIN AND LATERAL ROAD CROSSINGS SHALL BE FULL DEPTH GRANULAR BACKFILL.
- SANITARY SEWERS ARE NOT WITHIN 100' OF WATER WELLS.
- NO VALVES OR BOXES ARE ALLOWED IN PAVEMENT, ROADWAYS, SIDEWALKS TRAILS OR ADA RAMP.
- WPWD INSPECTOR NEEDS TO BE ON SITE TO SEE INSTALLATION OF PIPES UNDER ROADWAYS.

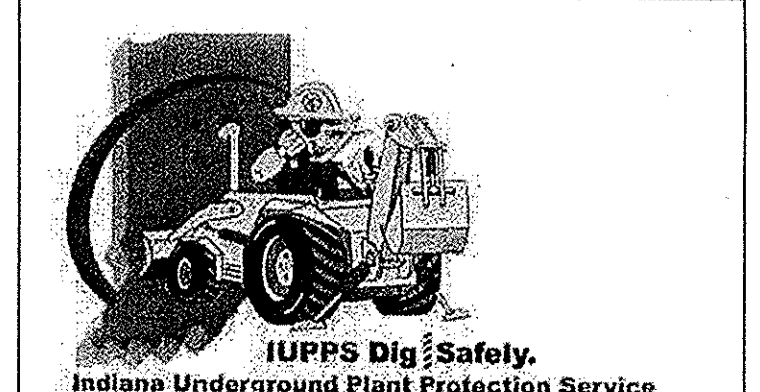
LEGEND

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

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 2017
Entered by: *SLM*

RECORD DRAWING

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



STOEPPELWERTH
ALWAYS ON

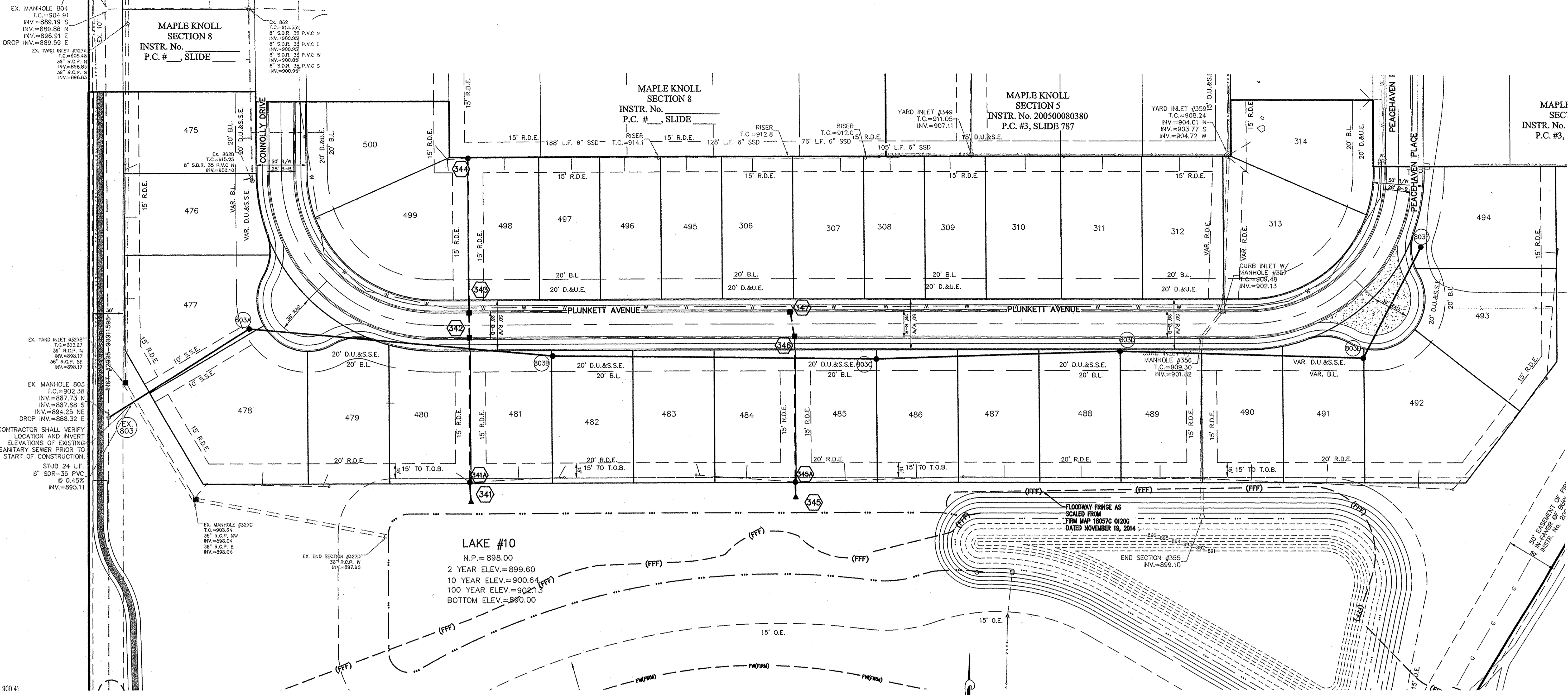


SANITARY PLAN & PROFILE
MAPLE KNOLL
SECTION 9

DRAWN BY: KRG
CHECKED BY: BKR
SHEET NO. C501
S & A JOB NO. 34676PLA-S9

CCE	DDM	DDM	DDM	DDM	DDM	DDM	DDM	DDM	DDM
12/05/16	10/18/16	10/18/16	12/28/15	12/28/15	12/28/15	12/28/15	12/28/15	12/28/15	12/28/15
AS BUILTS	ADJUSTED FOR NEW TOPOGRAPHICAL SURVEY	REVISED PER CITY OF WESTFIELD COMMENTS	REVISED PER CITY OF WESTFIELD COMMENTS	REVISED PER CITY OF WESTFIELD COMMENTS	REVISED PER CITY OF WESTFIELD COMMENTS	REVISED PER CITY OF WESTFIELD COMMENTS	REVISED PER CITY OF WESTFIELD COMMENTS	REVISED PER CITY OF WESTFIELD COMMENTS	REVISED PER CITY OF WESTFIELD COMMENTS

DENNIS J. STOEPPELWERTH
REGISTERED
No. 19358
STATE OF INDIANA
PROFESSIONAL ENGINEER
CERTIFIED: 10/01/14
Dennis J. Stoepfelwerth



DATE	MARK	REVISIONS
11/21/16		AS BUILT
11/21/16		ADJUSTED FOR NEW TOPOGRAPHICAL SURVEY
11/21/16		REVISED PER CITY OF WESTFIELD COMMENTS
11/21/16		ADDED 6" ASPHALT PATH
12/02/16		REVISED PER TAC COMMENTS
10/29/16		REVISED PER TAC COMMENTS
10/29/16		REVISED PER TAC COMMENTS
10/29/16		REVISED PER TAC COMMENTS

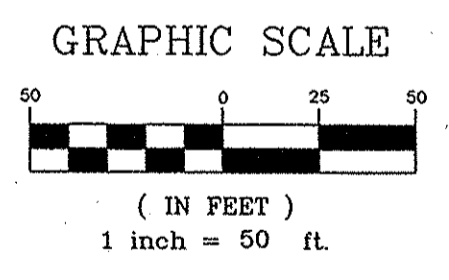
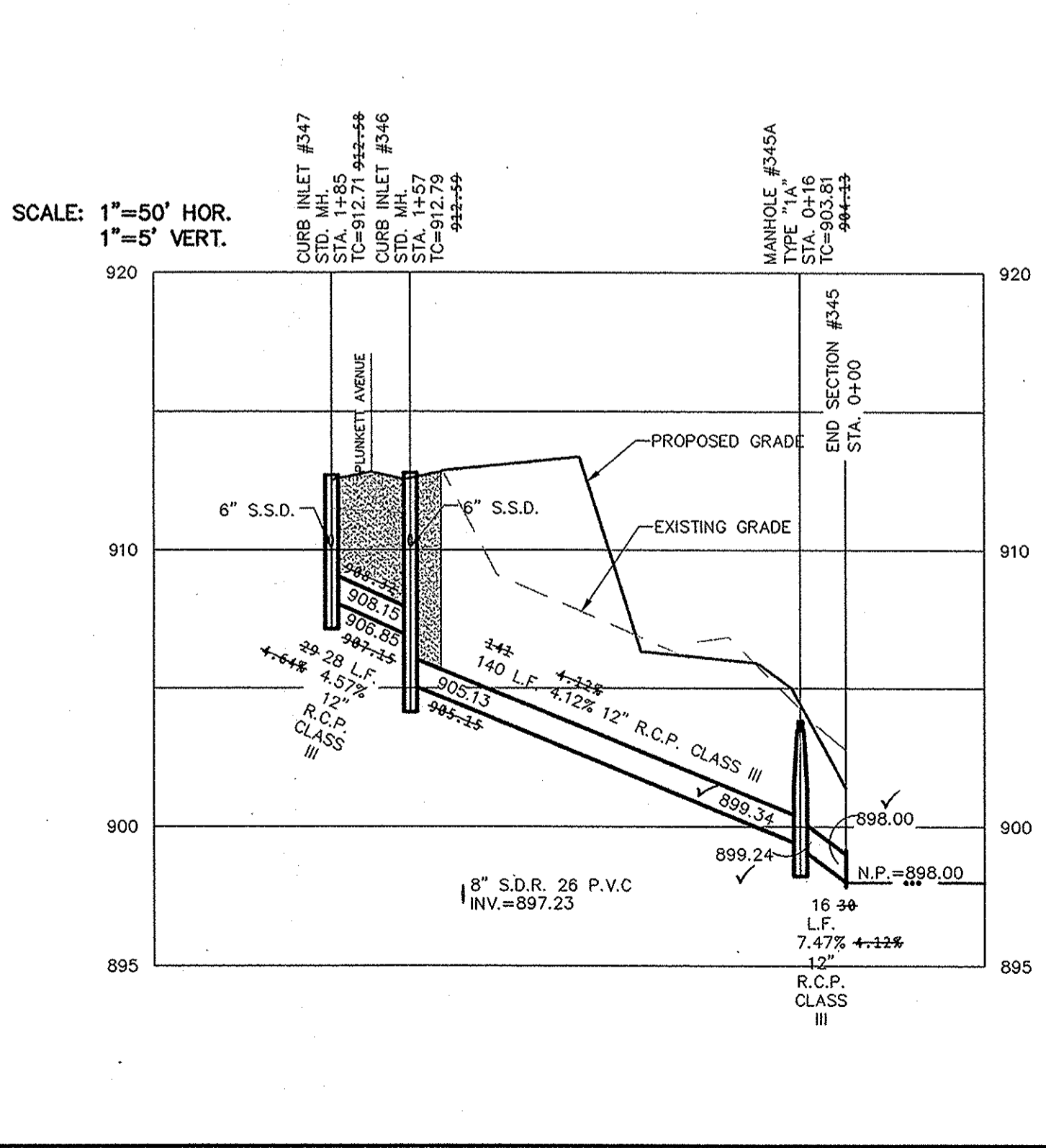
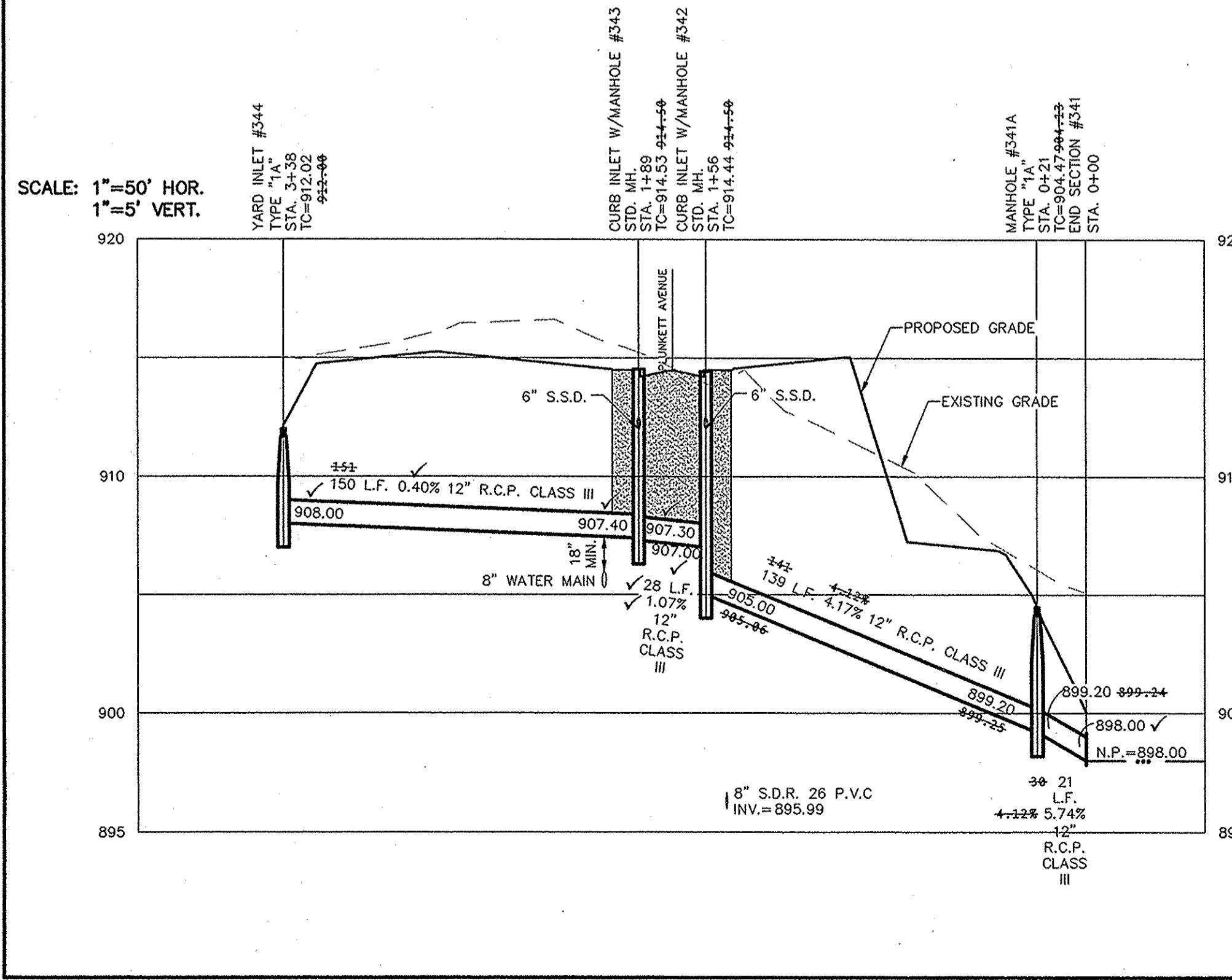
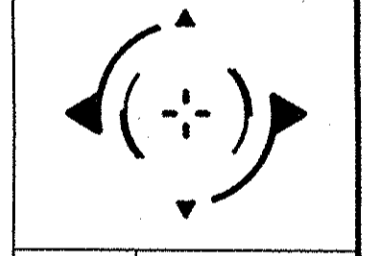
THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.

CERTIFIED: 10/01/14

David J. Stoepelwirth

STOEPPELWERTH
ALWAYS ON

795 East 10th Street, Fishers, IN 46038-2505
phone: 317.849.5955 fax: 317.849.5942



DENOTES FULL DEPTH GRANULAR BACKFILL

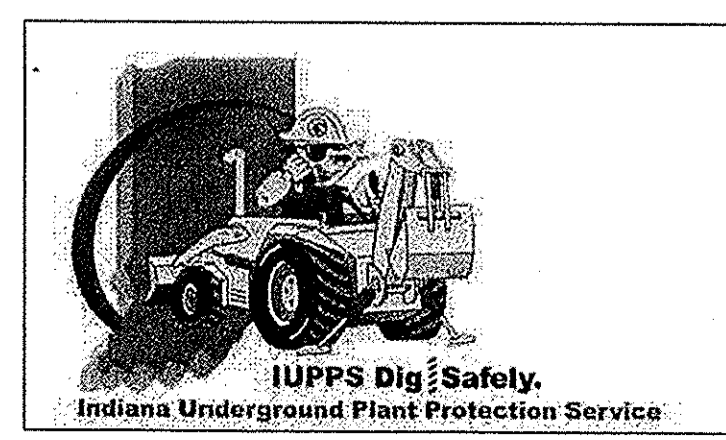
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.

Entry Date: May 2017
Entered By: SLM

- 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 SSDS (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.

RECORD DRAWING

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

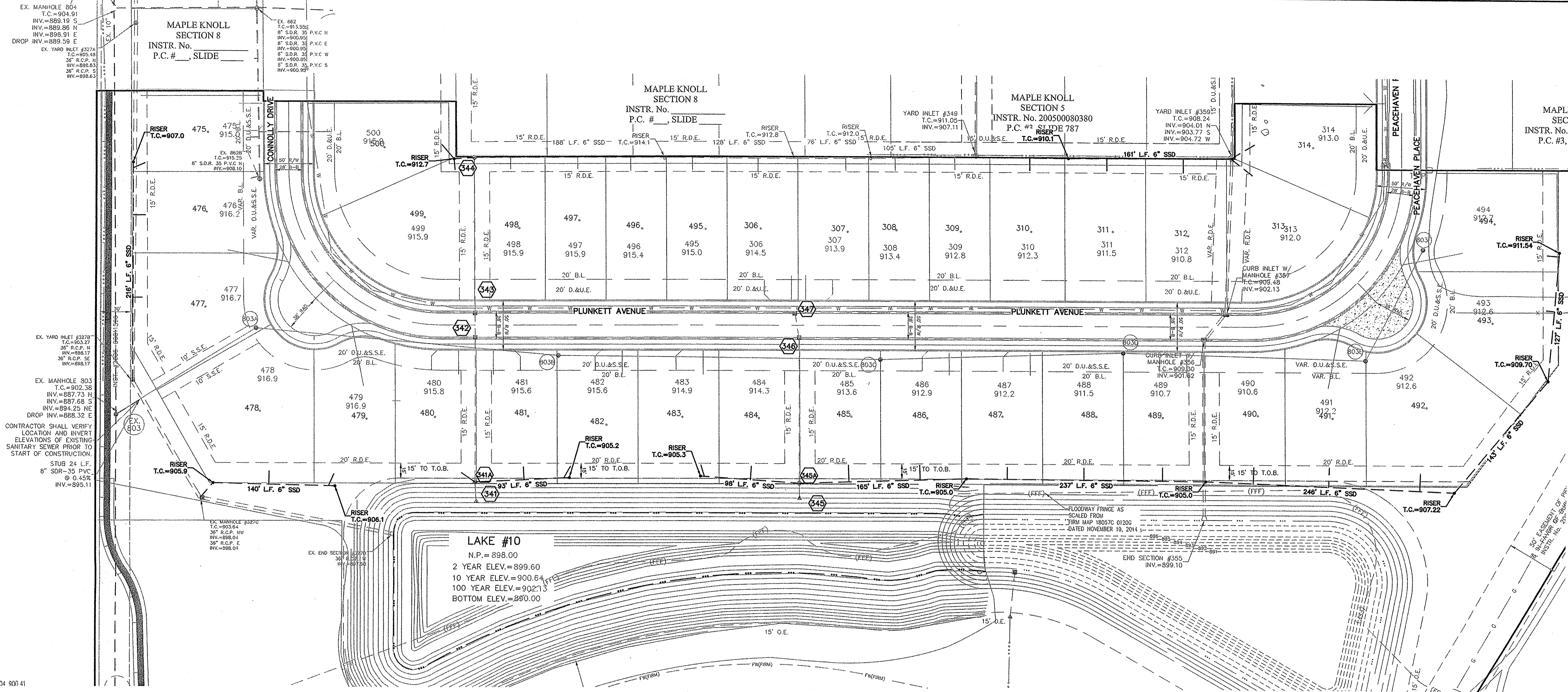


811
Know what's below.
Call before you dig.

STORM PLAN & PROFILE
MAPLE KNOLL SECTION 9
WESTFIELD, WASHINGTON TWP., HAMILTON COUNTY, INDIANA

DRAWN BY: KRG
CHECKED BY: BKR

SHEET NO. **C600**
S & A JOB NO. 34676PLA-S9



104 900 41

LAKE #10
 N.P. = 898.00
 2 YEAR ELEV. = 899.60
 100 YEAR ELEV. = 900.64
 100 YEAR ELEV. = 902.13
 BOTTOM ELEV. = 880.00

DATE	MARK	REVISIONS
10/29/14		REVISED PER TAC COMMENTS
10/29/14		REVISED PER TAC COMMENTS
10/29/14		REVISED PER TAC COMMENTS
10/29/14		REVISED PER TAC COMMENTS
10/29/14		REVISED PER TAC COMMENTS
10/29/14		REVISED PER TAC COMMENTS
10/29/14		REVISED PER TAC COMMENTS
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10/29/14		REVISED PER TAC COMMENTS

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CERTIFIED: 10/01/14

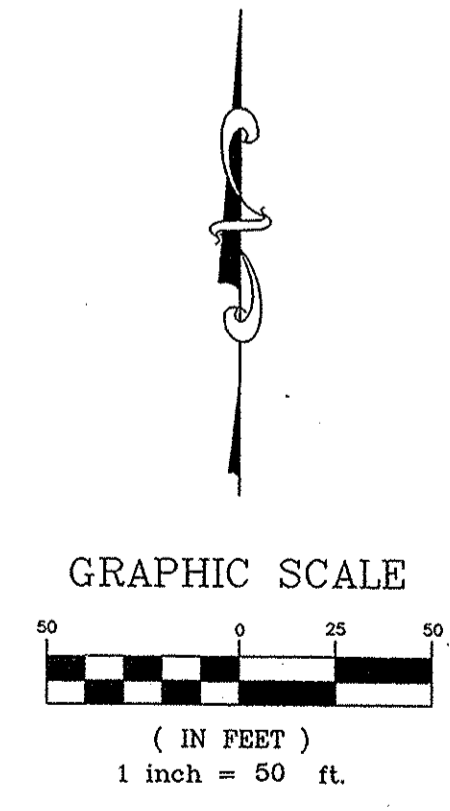
David J. Stoepelwerth

REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA

STOEPPELWERTH
 ALWAYS ON
 7965 East 10th Street, Fishers, IN 46038-2205
 phone: 317.849.5958 fax: 317.849.2942

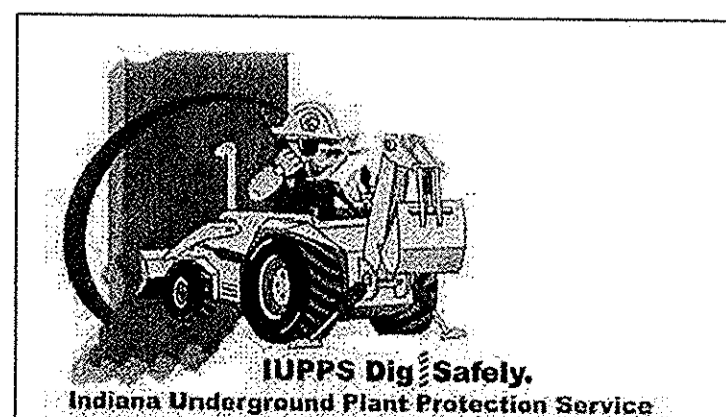
HAMILTON COUNTY, INDIANA
 WESTFIELD, WASHINGTON TWP.

REGISTERED LAND SURVEYOR
 No. 900012
 STATE OF INDIANA



RECORD DRAWING

DDO
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 12/6/2016



SUB-SURFACE DRAIN/SUMP CONNECTION PLAN
MAPLE KNOLL SECTION 9

DRAWN BY: KRC
 CHECKED BY: BKR
 SHEET NO. **C601**
 S & A JOB NO. 34676PLA-S9

CONTRACTOR SHALL VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING SANITARY SEWER PRIOR TO START OF CONSTRUCTION.

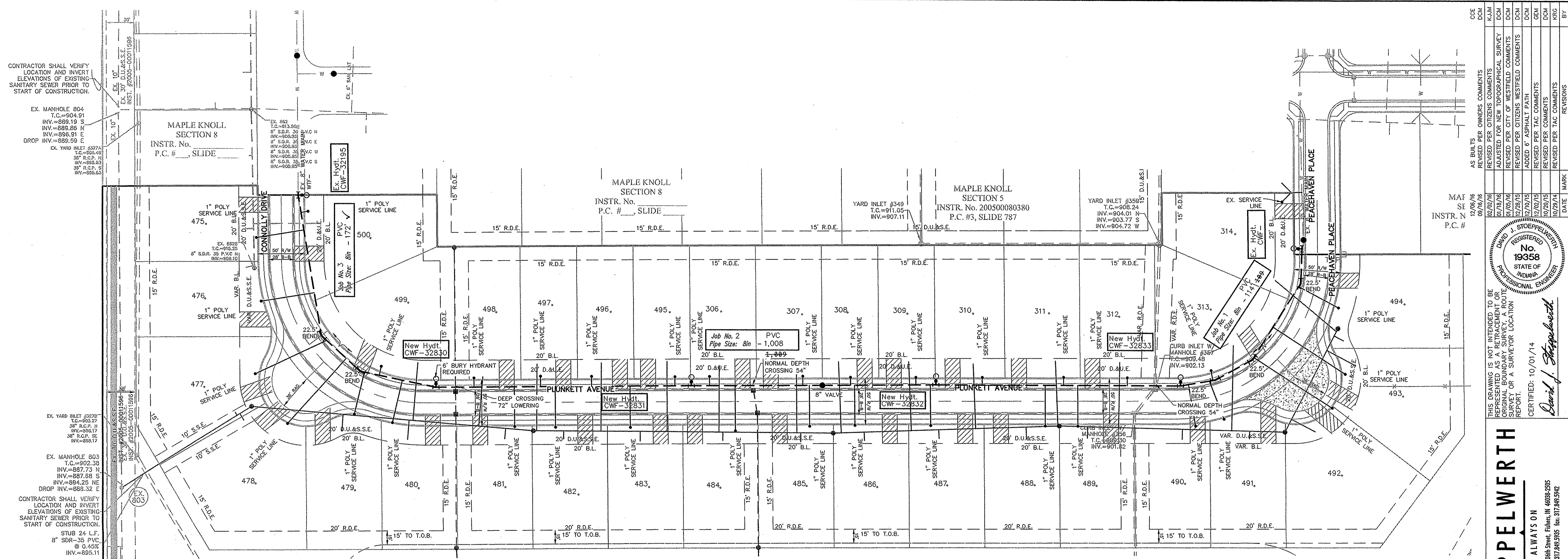
EX. MANHOLE 804
T.C.=904.91
INV.=899.19 S
INV.=899.86 M
INV.=899.91 E
DROP INV.=899.59 E
EX. YARD INLET #327A
T.C.=902.48
INV.=902.48
36" R.C.P. H
INV.=902.83
36" R.C.P. S
INV.=902.83
36" R.C.P. E
INV.=902.83

MAPLE KNOLL SECTION 8
INSTR. No. _____
P.C. # _____ SLIDE

MAPLE KNOLL SECTION 8
INSTR. No. _____
P.C. # _____ SLIDE

MAPLE KNOLL SECTION 5
INSTR. No. 200500080380
P.C. #3, SLIDE 787

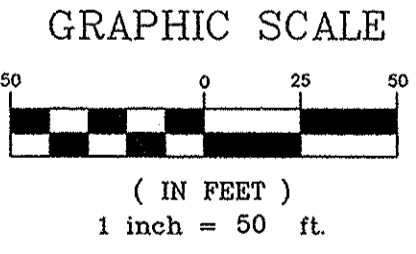
MAP SE INSTR. N P.C. #



CONTRACTOR SHALL VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING SANITARY SEWER PRIOR TO START OF CONSTRUCTION.
STUB 24 L.F.
8" SDR-35 PVC
@ 0.45%
INV.=899.11

LEGEND

	Existing Water Main		Hydrant
	Proposed Water Main		Hydrant with Hydrant Valve
	Telephone Pole		Butterfly Valve
	Gas Pole		Valve
	Inlet		Blowoff Assembly
	Tree		Air Relief Valve
	Gas Valve		Plug
	Parcel Id		Reducer
	Adapter		T.J. Tee
	Bend		M.J. Steeve
	Kicker Block		Cross
	Casing Pipe		
	GAS Gas Lines		
	T Telephone Lines		
	E Electric Lines		
	METER PIT		
	WATER SERVICE LATERAL		

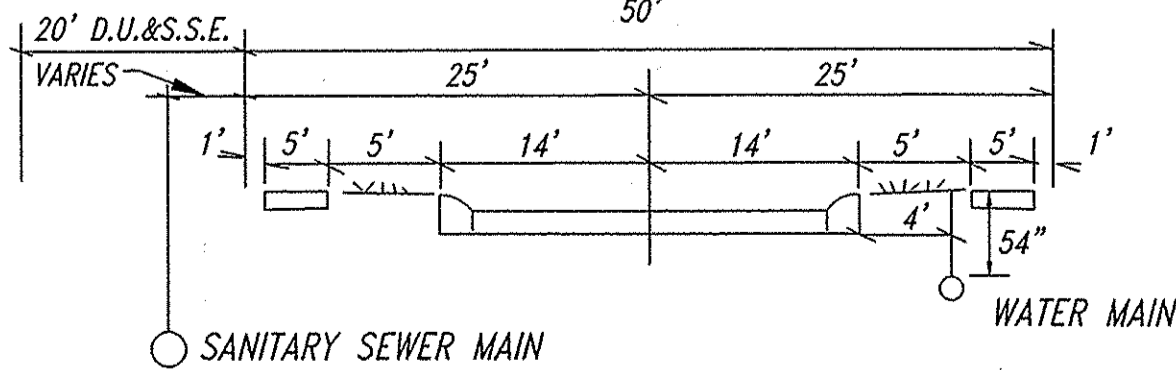
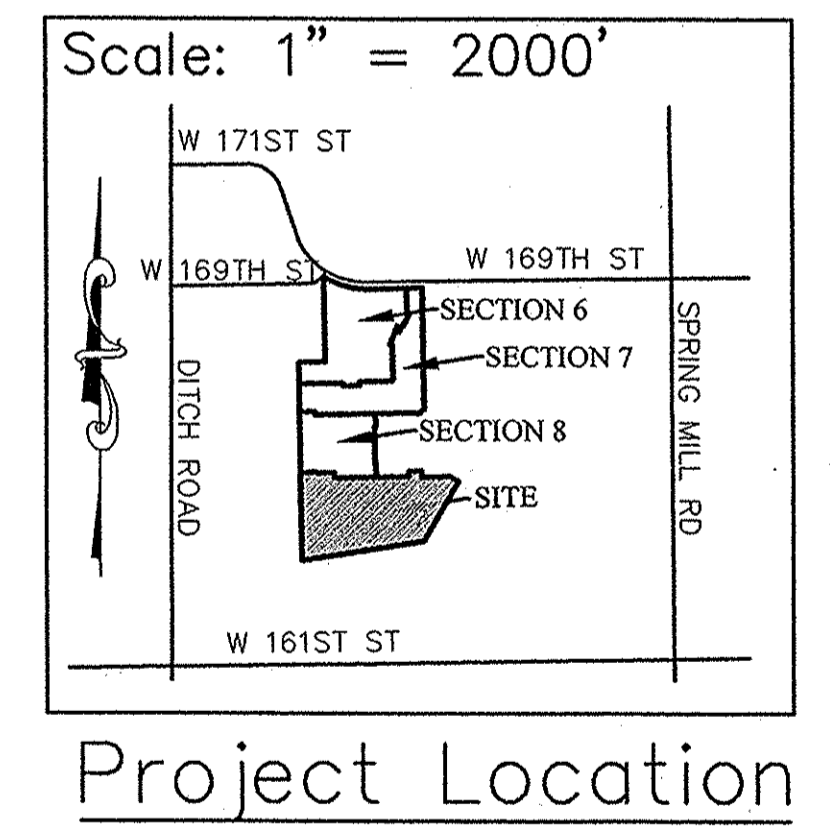


CITIZENS WESTFIELD WATER PROJECT LEGEND

Project Name: MAPLE KNOLL, SECTION 9
Project Number: WFJ-16-003

JOB #	Street Name	Pipe Size	Pipe Type	Total Pipe
3	CONNOLLY DRIVE	8"	PVC	172' ✓
2	PLUNKETT AVENUE	8"	PVC	1,008' ±740±
1	PEACEHAVEN PLACE	8"	PVC	114' ±6±
TOTAL				1,294' ±746±
35	SERVICE LINE PIPE	1"	HDPE	1,253' ±738±

- NOTES:**
- CONTRACTOR MUST HAVE AND FOLLOW CITIZENS WESTFIELD AND CITIZENS WATER STANDARDS AND SPECIFICATIONS (LATEST VERSION)
 - ALL FIRE HYDRANTS TO BE MUELLER. HYDRANTS SHOULD BE PAINTED, BEFORE DELIVERY AND AFTER INSTALLATION, WITH TWO COATS OF FIRE PROTECTION RED (MUELLER F63RL15)
 - FIRE HYDRANTS SHALL HAVE A 5-INCH STORZ'S CONNECTION INSTALLED.
 - VALVES MUST HAVE POSI-CAP (W-6) (W-7) HYDRANT.
 - THE WATER MAIN MUST MAINTAIN A MINIMUM OF 10 FEET OF SEPARATION WITH THE SEWER MAIN AT ALL TIMES.
 - #10 TRACER WIRE SHALL BE INSTALLED ON THE TOP OF ALL MAINS AND PULLED THROUGH VALVE BOXES.
 - ALL SERVICE LINES TO BE STUBBED A MINIMUM OF 2 FEET BEHIND THE SIDEWALK.
 - ALL SERVICE AND MAIN ROAD CROSSINGS WITHIN 5 FEET OF PAVEMENT SHALL HAVE GRANULAR BACKFILL.
 - THERE ARE TO BE NO BOXES OR VALVES UNDER OR WITHIN THE SIDEWALKS, TRAILS AND ADA RAMP.
 - VALVES TO BE PLACED IN GRASS AREAS.
 - MINIMUM COVER OVER TOP OF ALL WATER MAINS TO BE 54 INCHES FROM FINISHED GRADE.
 - SEE CITIZENS WATER STANDARDS FOR THE INSTALLATION OF WATER MAINS, SERVICE LINES, METERS, AND APPURTENANCES LATEST VERSION.



PLUNKETT AVENUE/PEACHAVEN PLACE
No Scale

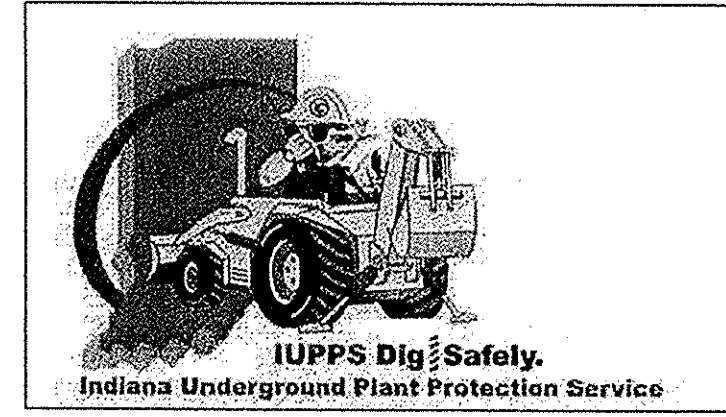
RECORD DRAWING

Dennis D. Olmstead
Registered Land Surveyor
No. 900012
12/6/2016



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 2017
Entered by: SLM

Project Name: MAPLE KNOLL, SECTION 9
Project Number: WFJ-16-003
Dist. Map No.: 2225/2235
Meter Map No.: 8353
Lots: 35
Tax Code: WESTFIELD
Pressure Dist: STOEPPELWERTH/KRG
Drafter: 10/01/2014



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

AS BUILT'S
REVISED PER OWNERS COMMENTS
REVISED PER CITIZENS COMMENTS
ADJUSTED FOR NEW TOPOGRAPHICAL SURVEY
REVISED PER CITY OF WESTFIELD COMMENTS
REVISED PER CITIZENS WESTFIELD COMMENTS
ADDED 6" ASPHALT PATH
REVISED PER TAG COMMENTS
REVISED PER TAG COMMENTS
REVISED PER TAG COMMENTS

12/06/16
09/16/16
07/18/16
07/18/16
12/28/15
12/28/15
10/20/15
10/28/14

MAF SE INSTR. N P.C. #

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CERTIFIED: 10/01/14
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phone: 317.893.9335 fax: 317.893.5942

REGISTERED PROFESSIONAL ENGINEER
No. 19358
STATE OF INDIANA

WATER PLAN
MAPLE KNOLL SECTION 9
HAMILTON COUNTY, INDIANA
WESTFIELD, WASHINGTON TWP.

DRAWN BY: KRG
CHECKED BY: BKR
SHEET NO. C700
S & A JOB NO. 34676PLA-S9