



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

May 25, 2016

To: Hamilton County Drainage Board

Re: Little Eagle Creek Drain, Maple Village/Sonoma Section 10 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 Village 10 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 989 ft. 15" RCP 189 ft. 18" RCP 227 ft. 6" SSD 5,038 ft.

The total length of the drain will be 6,443 feet.

Included in the footage above is 32 feet of 12" RCP that will replace 20 feet of 12" RCP that is part of the Maple Village Section 5 Arm from Str. 736 to Str. 735 per the as-built plans for Maple Village Section 5. The 20 feet will be removed from the Section 5 Arm total length.

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:

<u>Curbline SSD in Streets:</u> Farnham Drive

Rear Yard SSDs:

Rear yard lots 545 to 549 from Str. ex. 501 to Str. 506 Rear yard lots 550 to 555 from Str. 506 to Str. 512 Rear yard lots 556 to 559 from Str. 512 running west to riser Rear yard lots 537 to 542 from Str. ex. 510 running east to riser Rear yard lots 531 to 536 from Str. ex. 510 running west to riser Rear yard lots 529 to 531 from riser running north to riser Rear yard lots 518 to 524 from Str. ex. 524 to Str. ex. 523 Rear yard lots 525 to 527 from Str. ex. 523 running west to riser Rear yard lots 560 to 564 from Str. 519 running south to riser Rear yard lots 565 and 566 from Str. 519 to Str. 520 Rear yard lots 567 and 568 from Str. 520 running 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 \$3,819.20.

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 Village (Sonoma) Section 10 as recorded in the office of the Hamilton County Recorder.

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

Kenton C. Ward, CFM Hamilton County Surveyor

KCW/pll

STATE OF INDIANA
)
COUNTY OF HAMILTON)

MAR 2 3 2016

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

In the matter of Sonoma Subdivision, Section

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Sonoma, Section 10, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public

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

roads as shown in the plans on file in the Surveyor's Office.

- (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:

- 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.
- 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 Fillable 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 Rusy		
Signed	Signed	
Paul Rioux		
Printed Name	Printed Name	
March 17, 2016		
Date	Date	
Signed	Signed	
Printed Name	Printed Name	
Date	Date	• • • • • • • • • • • • • • • • • • • •

Adobe PDF Fillable Form

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Little Eagle Creek Drain, Maple Village/Sonoma Section 10 Arm

On this 25th day of July, 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 Village/Sonoma Section 10 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:



Sonoma Section 10

Engineers Estimate - Storm Sewers & Monumentation

Prepared on: 4/26/16

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DV.

Timothy J. Walter, P.E.

Indiana Registration No. 19900152

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD IN THE MATTER OF

Little Eagle Creek Drain, Maple Village/Sonoma Section 10 Arm

NOTICE

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the Little Eagle Creek Drain, Maple Village/Sonoma Section 10 Arm on July 25, 2016 at 9:15 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
Drainage Board on the Little Eagle Creek Drain, Maple Village/Sonoma Section 10 Arm on July 25, 2016 at 9:15 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: <u>Lynette Mosbaugh</u>

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD IN THE MATTER OF THE

Little Eagle Creek Drain, Maple Village/Sonoma Section 10 Arm

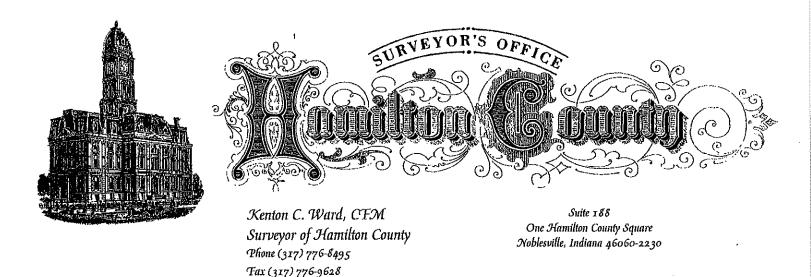
NOTICE

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



To: Hamilton County Drainage Board

June 8, 2017

Re: Little Eagle Creek Drain, Maple Village Section 10

Attached are as-built, certificate of completion & compliance, and other information for Maple Village Section 10. 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 May 25, 2016. The report was approved by the Board at the hearing held July 25, 2016. (See Drainage Board Minutes Book 17, Pages 46-48) The changes are as follows: the 6" SSD was shortened from 5,038 to 4,910. The 12" RCP was shortened from 989 feet to 986 feet. The 15" RCP was shortened from 189 feet to 186 feet. The 18" RCP was shortened from 229 feet to 227 feet. The length of the drain due to the changes described above is now **6,311 feet**. There was 20 feet of existing 12" RCP removed with this project. Therefore 6,291 feet was added to the drain's overall length.

The non-enforcement was approved by the Board at its meeting on July 25, 2016 and recorded under instrument #2017020159.

In accordance with IC 36-7-4-709 the petitioner did not submit any sureties for this project. I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

Kentor C. Ward, CFM
Hamilton County Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor Re: Sonoma, Section 10 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. Date: November 16, 2016 Signature: Dennis D. Olmstead - Stoeppelwerth & Associates, Inc. Type or Print Name: 7965 East 106th Street Business Address: Fishers, Indiana 46038 Telephone Number: _(317) 570-4700 INDIANA REGISTRATION NUMBER **SEAL** 900012

169th STREET

SONOMA SECTION 10

RECORD DRAWING

No. 900012 STATE OF

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

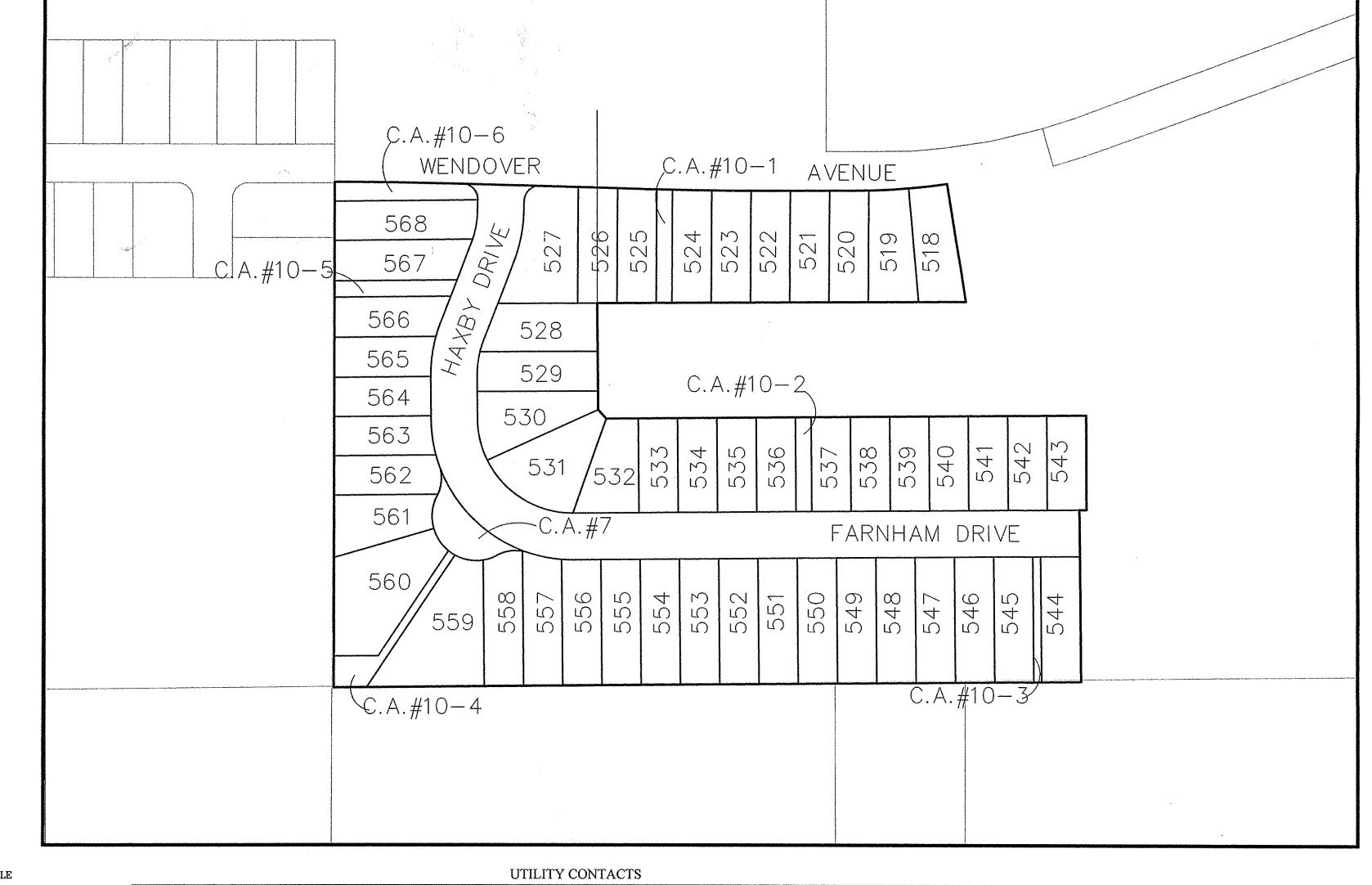
Contact Person: Tim Walsh

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-C201	201 SITE DEVELOPMENT PLAN SITE PLAN			
C300-C305	INITIAL STORM WATER POLLUTION & PREVENTION PLAN TEMPORARY STORM WATER POLLUTION & PREVENTION PLAN PERMANENT SEDIMENT & EROSION CONTROL PLAN STORM WATER POLLUTION & PREVENTION SPECIFICATIONS STORM WATER POLLUTION & PREVENTION DETAILS			
C400-C402	STREET PLAN & PROFILES TRAFFIC CONTROL PLAN ENTRANCE DETAIL & TRAFFIC MAINTENANCE			
C500	SANITARY SEWER PLAN & PROFILES			
C600-C602	STORM SEWER PLAN & PROFILES SUMP PLAN			
C700-C701	WATER PLAN WATER DETAILS			
C800-C806	CONSTRUCTION DETAILS SANITARY STORM STREET BUCKEYE SPECIFICATIONS			
C900-C901 & C903	LANDSCAPE PLANS			

	REVISIONS
SHT.	DESCRIPTION
ALL	REVISED PER TAC COMMENTS - JSM&ADG 3/16/16
C302 & C602	REVISED PER STORM REVIEW COMMENTS - ADG 04/13/16
C200, C400, C500, C600-C602, C700	AS BUILTS 11/15/16 CCE



AT & T - Engineering 240 North Meridian St., Room 280 Indianapolis, Indiana 46204 Contact: Steve Krebs

Ph: (317) 252-4275

Frontier Communications

Noblesville, Indiana 46060

Contact: Steve Costlow

Ph: (317) 984-9010

20905 Hague Road (Rear Building)

(IN FEET)

1'' = 100 FT

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

Vectren Energy

16999 Allisonville Road

Contact: Charlotte May

Ph: (317) 776-5592

Noblesville, Indiana 46060

Comcast Cable

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

Brighthouse Networks

Contact: J.D. Trueblood

3030 Roosevelt Ave.

Ph: (317) 713-3899

Ph: (317) 804-3100 Indianapolis, Indiana 46218 Indianapolis, Indiana 46202

Ph: (317) 429-3972

Citizens Wastewater of Westfield, LLC 2150 Dr. Martin Luther King Jr. Street Contact: Jeff Miller

Westfield Public Works Department

2706 East 171st Street

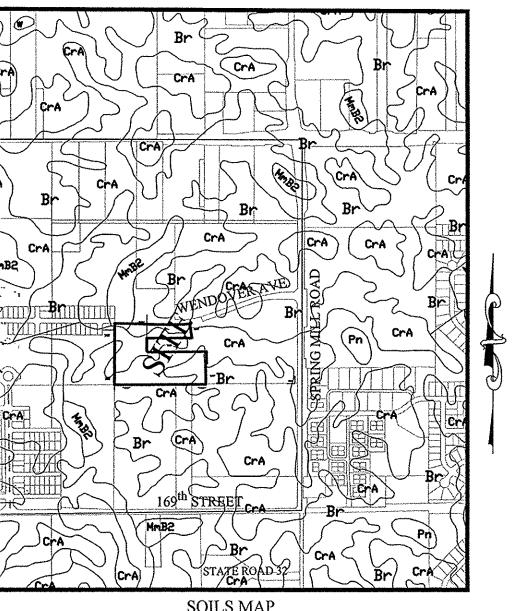
Contact: John Rankin

Westfield, Indiana 46074

940 Buckeye Road 3701 Communications Way Lima, Ohio 45804 Evansville, Indiana 47715 Contact: Kyle Smith Contact: Chris Bluto Ph: (419) 993-8008 Ph: (317) 465-1046

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

Buckeye Pipeline



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

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

SPECIFICATIONS ARE SHOWN WITHIN

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

DESIGN DATA HAXBY DRIVE 433.41 L.F. 1,196.38 L.F. TOTAL **DESIGN SPEED LIMIT:** 25 M.P.H

POSTED SPEED LIMIT:

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.gove/egov/apps/documents/center.egov?view-item;id-50

20 M.P.H

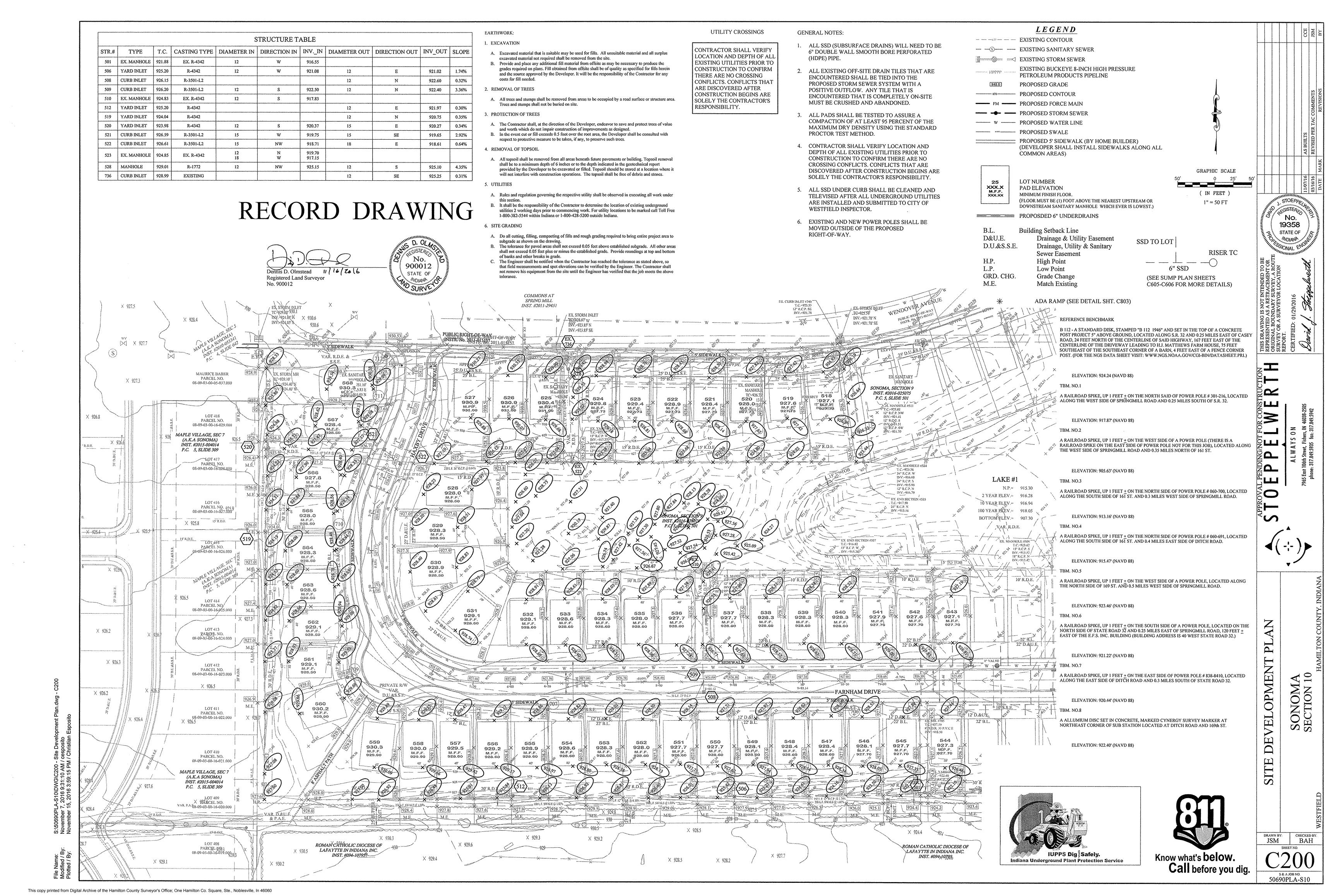
THE PRESENCE OF A CITY OF WESTFIELD REVIEW AND ACCEPTANCE STAMP ON PLANS DOES NOT RELIEVE THE CONTRACTOR OR DEVELOPER FROM COMPLIANCE OF THE "CITY OF WESTFIELD CONSTRUCTION STANDARDS, LATEST EDITION". THIS REVIEW ONLY DESIGNATES THAT THE GENERAL CONFORMANCE WITH DESIGN AND SPECIFICATIONS HAVE BEEN MET. 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: BRETT A. HUFF EMAIL: bhuff@Stoeppelwerth.com

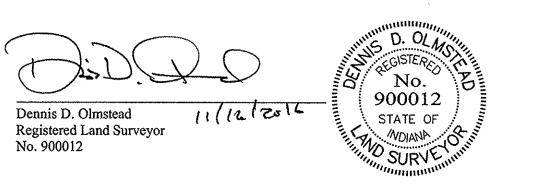
PLANS CERTIFIED BY:

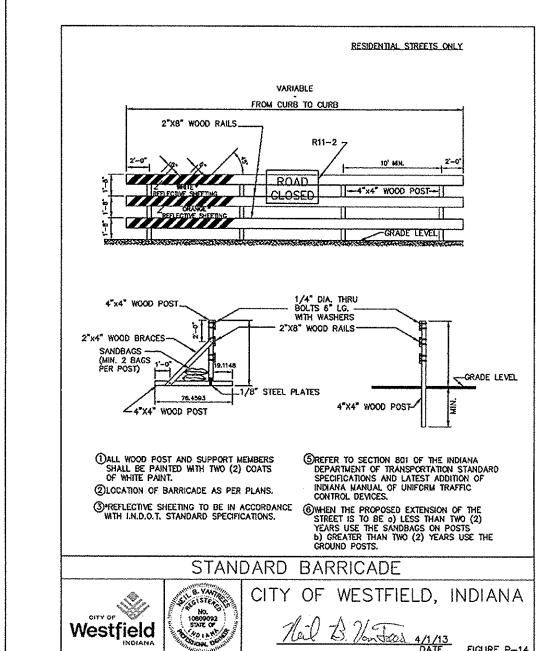
David 1. Stoepelwerth 01/29/2016 DAVID J. STOEPPELWERTH PROFESSIONAL LAND SURVEYOR NO. 19358

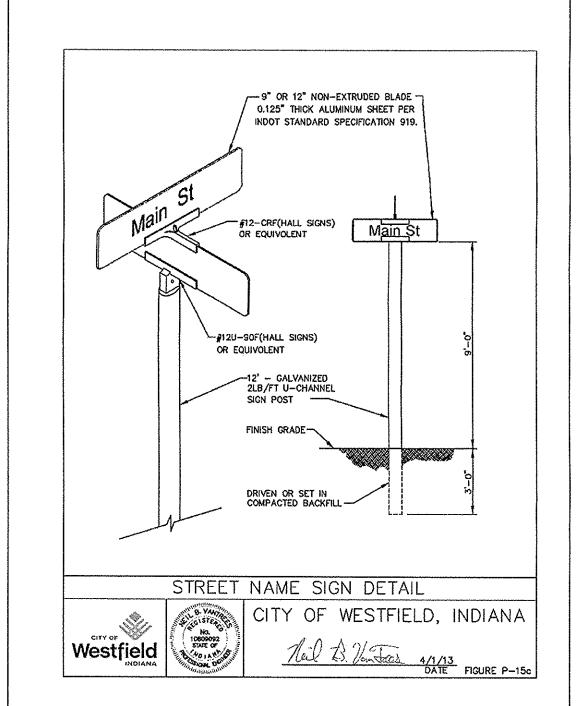


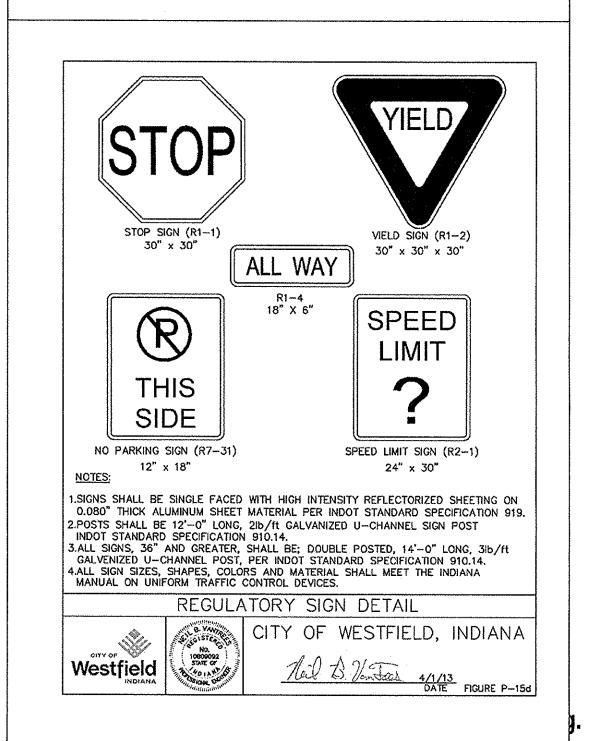


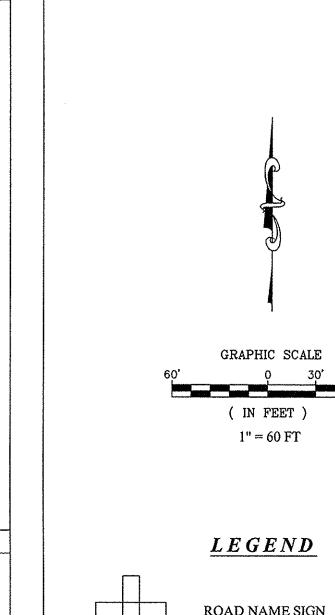
RECORD DRAWING

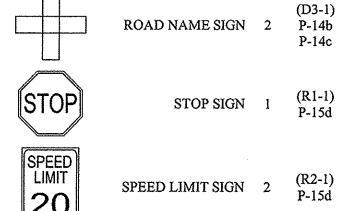












NO PARKING 1 STANDARD BARRICADE

ALL TRAFIC CONTROL SIGNS SHALL MEET CHAPTER 2D: GUIDE SIGNS-CONVENTIONAL ROADS OF THE MUTCD MANUAL 2009 EDITION.

STOEPPE

No.

19358

STATE WOLANA

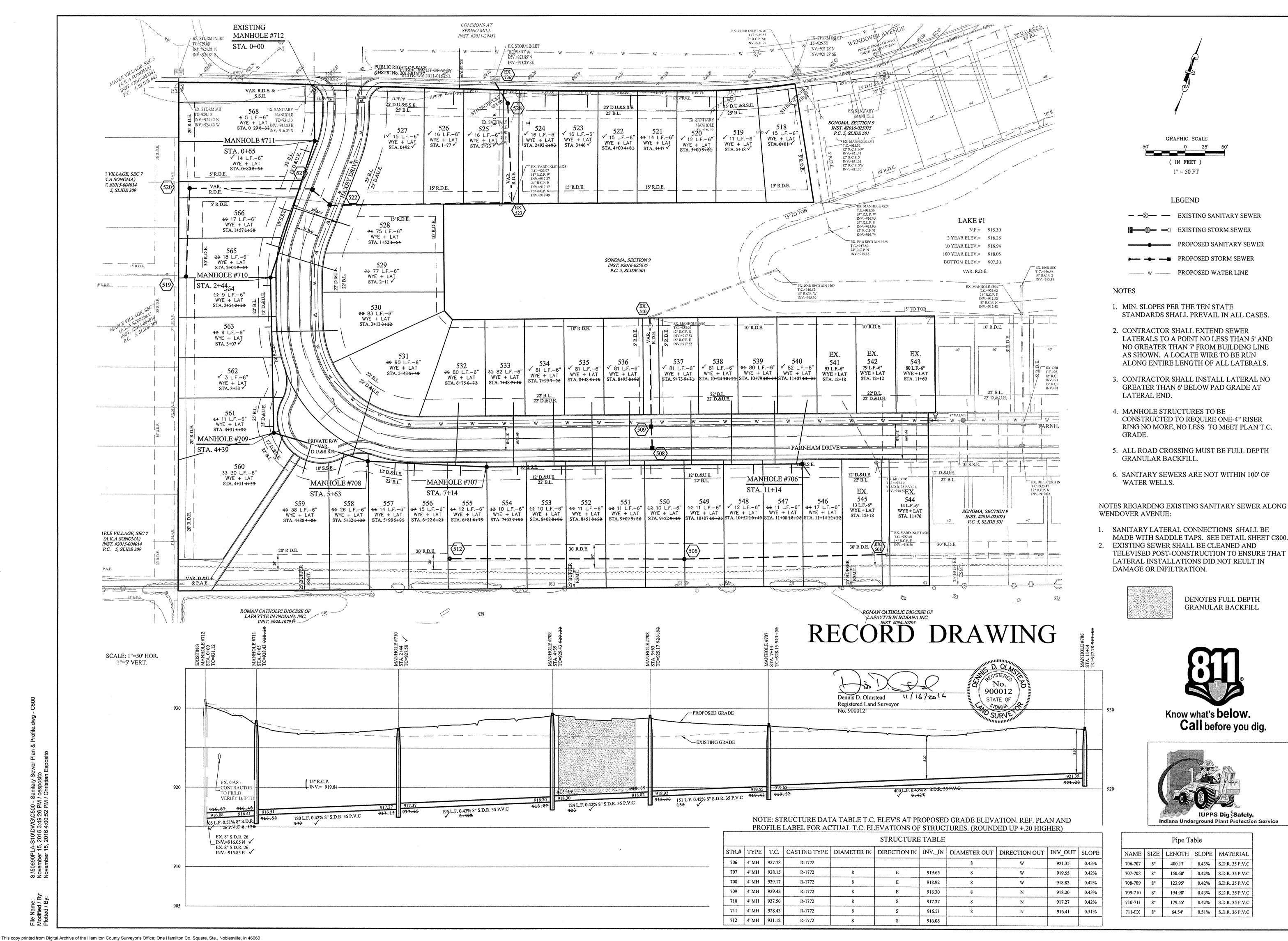
SONOMA SECTION 10

TRAFFIC CONTROL

снескед ву: ВАН SHEET NO.

JSM S & A JOB NO. 50690PLA-S10

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(IN FEET) 1" = 50 FT

— — EXISTING SANITARY SEWER

STOEPPE

No.

19358

WONAL E

B STAIL WOLANA

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

CERTIFIED: 01/29/2016

چم

SONOMA SECTION 10

CHECKED BY:

JSM

S & A JOB NO. 50690PLA-S10

PROPOSED SANITARY SEWER

w —— PROPOSED WATER LINE

- 1. MIN. SLOPES PER THE TEN STATE STANDARDS SHALL PREVAIL IN ALL CASES
- 2. CONTRACTOR SHALL EXTEND SEWER LATERALS TO A POINT NO LESS THAN 5' AND NO GREATER THAN 7' FROM BUILDING LINE AS SHOWN. A LOCATE WIRE TO BE RUN ALONG ENTIRE LENGTH OF ALL LATERALS.
- 3. CONTRACTOR SHALL INSTALL LATERAL NO GREATER THAN 6' BELOW PAD GRADE AT
- 4. MANHOLE STRUCTURES TO BE CONSTRUCTED TO REQUIRE ONE-4" RISER RING NO MORE, NO LESS TO MEET PLAN T.C.
- 5. ALL ROAD CROSSING MUST BE FULL DEPTH GRANULAR BACKFILL.
- 6. SANITARY SEWERS ARE NOT WITHIN 100' OF

NOTES REGARDING EXISTING SANITARY SEWER ALONG

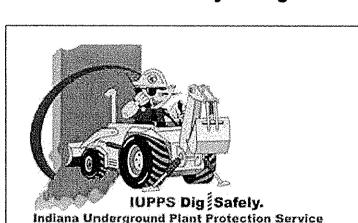
- SANITARY LATERAL CONNECTIONS SHALL BE
 - EXISTING SEWER SHALL BE CLEANED AND TELEVISED POST-CONSTRUCTION TO ENSURE THAT LATERAL INSTALLATIONS DID NOT REULT IN

DENOTES FULL DEPTH **GRANULAR BACKFILL**



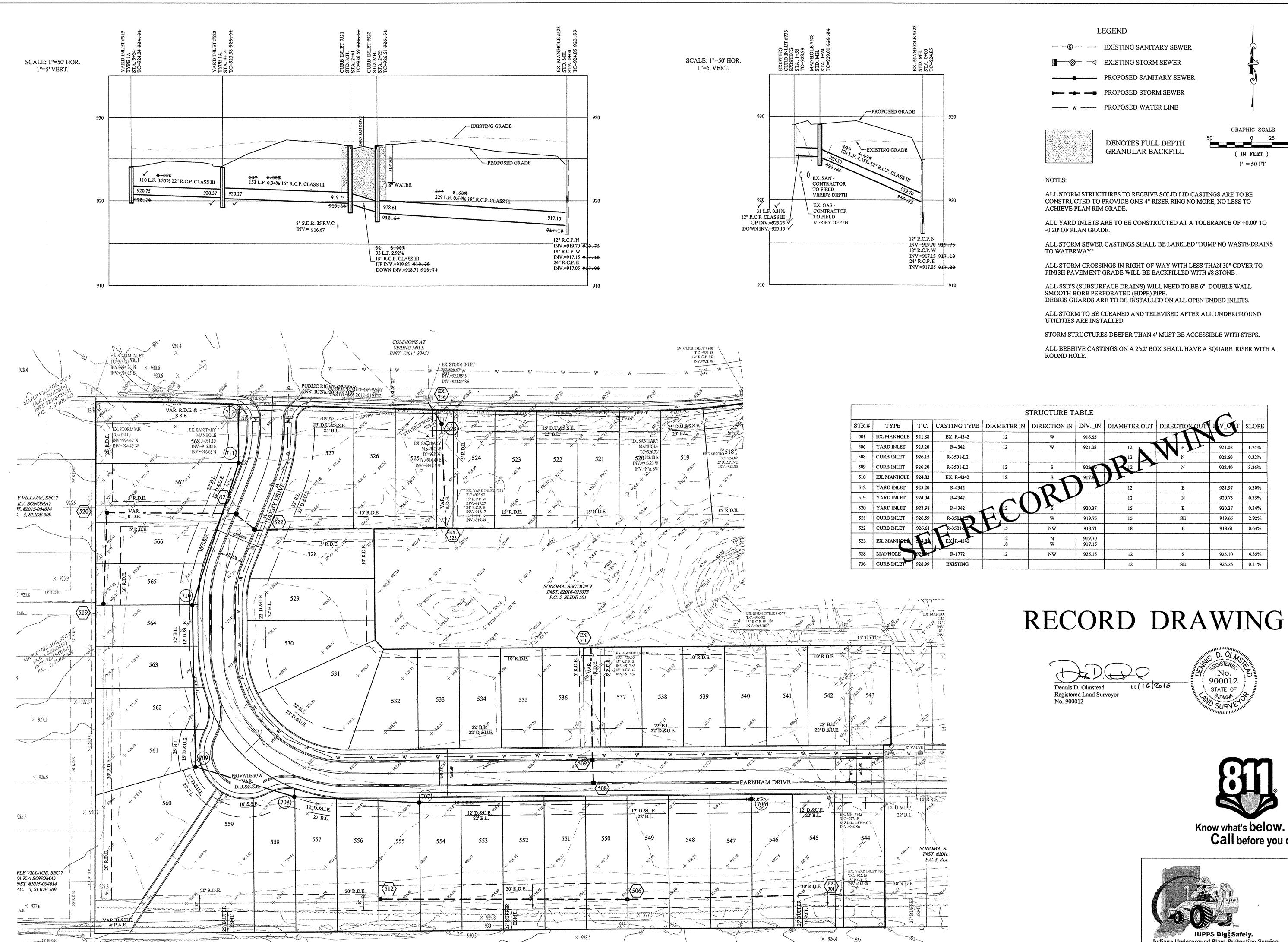
Know what's **below**.

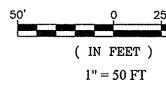
Call before you dig.



Pipe Table							
AME	SIZE	LENGTH	SLOPE	MATERIAL			
06-707	8"	400.17'	0.43%	S.D.R. 35 P.V.C			
7-708	8"	150.60'	0.42%	S.D.R. 35 P.V.C			
8-709	8"	123.95'	0.42%	S.D.R. 35 P.V.C			
9-710	8"	194.98'	0.43%	S.D.R. 35 P.V.C			
10-711	8"	179.55'	0.42%	S.D.R. 35 P.V.C			
H-EX	8"	64.54'	0.51%	S.D.R. 26 P.V.C			

3:49:26 PM / ce 3:40:52 PM / Ce 3:4:00:52 PM / Ch





No.

19358

STATE OF

WDIANA.

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STORM PLAN & PROFILE

SONOMA SECTION 10

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

ALL STORM CROSSINGS IN RIGHT OF WAY WITH LESS THAN 30" COVER TO

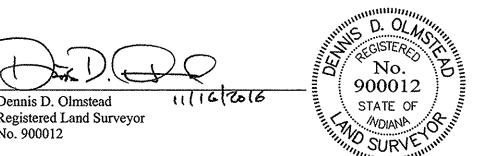
ALL SSD'S (SUBSURFACE DRAINS) WILL NEED TO BE 6" DOUBLE WALL

ALL STORM TO BE CLEANED AND TELEVISED AFTER ALL UNDERGROUND

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

0.32% 3.36% 0.30% 0.34% 2.92% 4.35% 0.31%

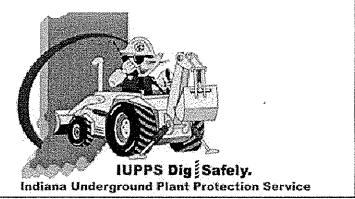
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Know what's below.

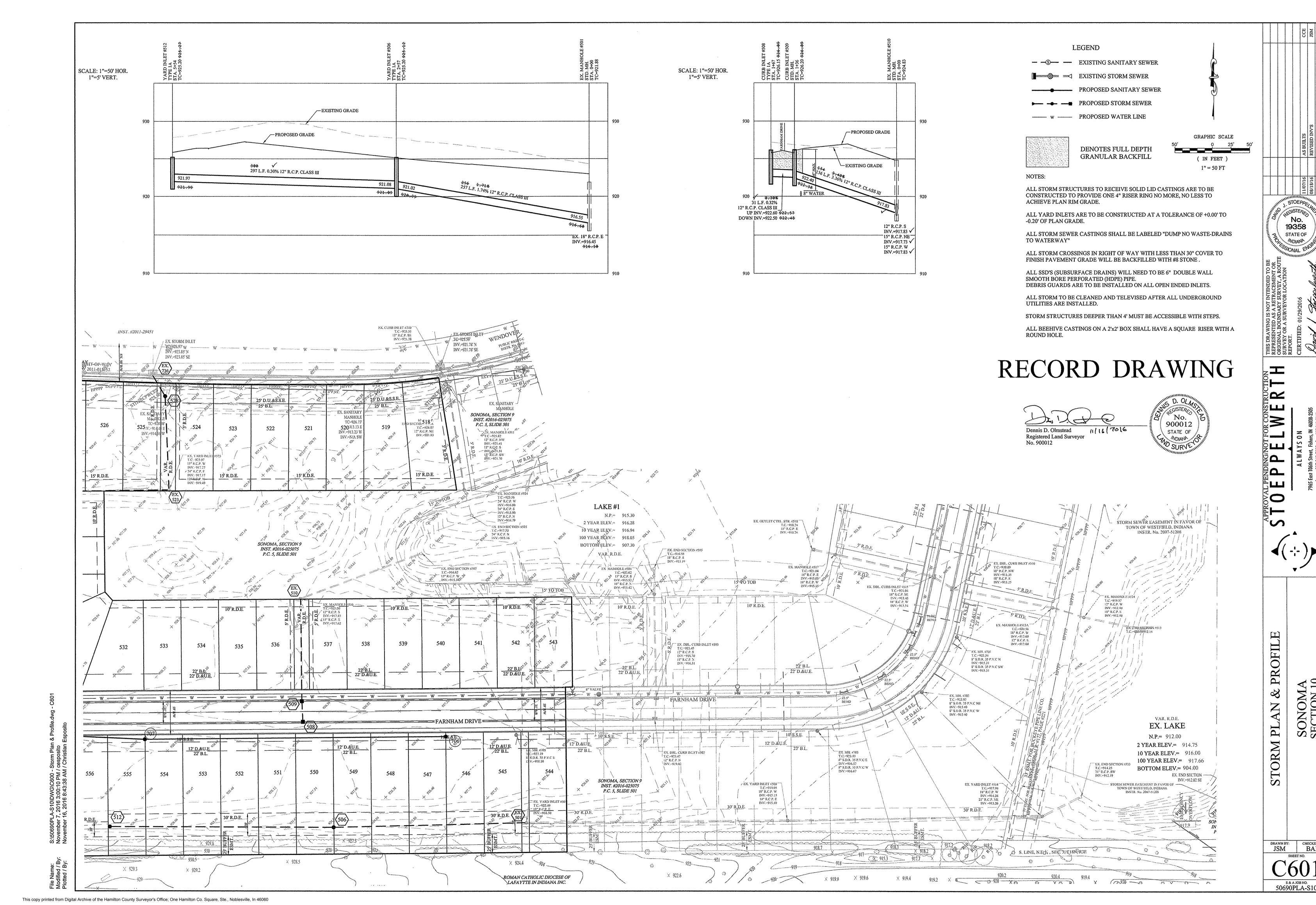
Call before you dig.

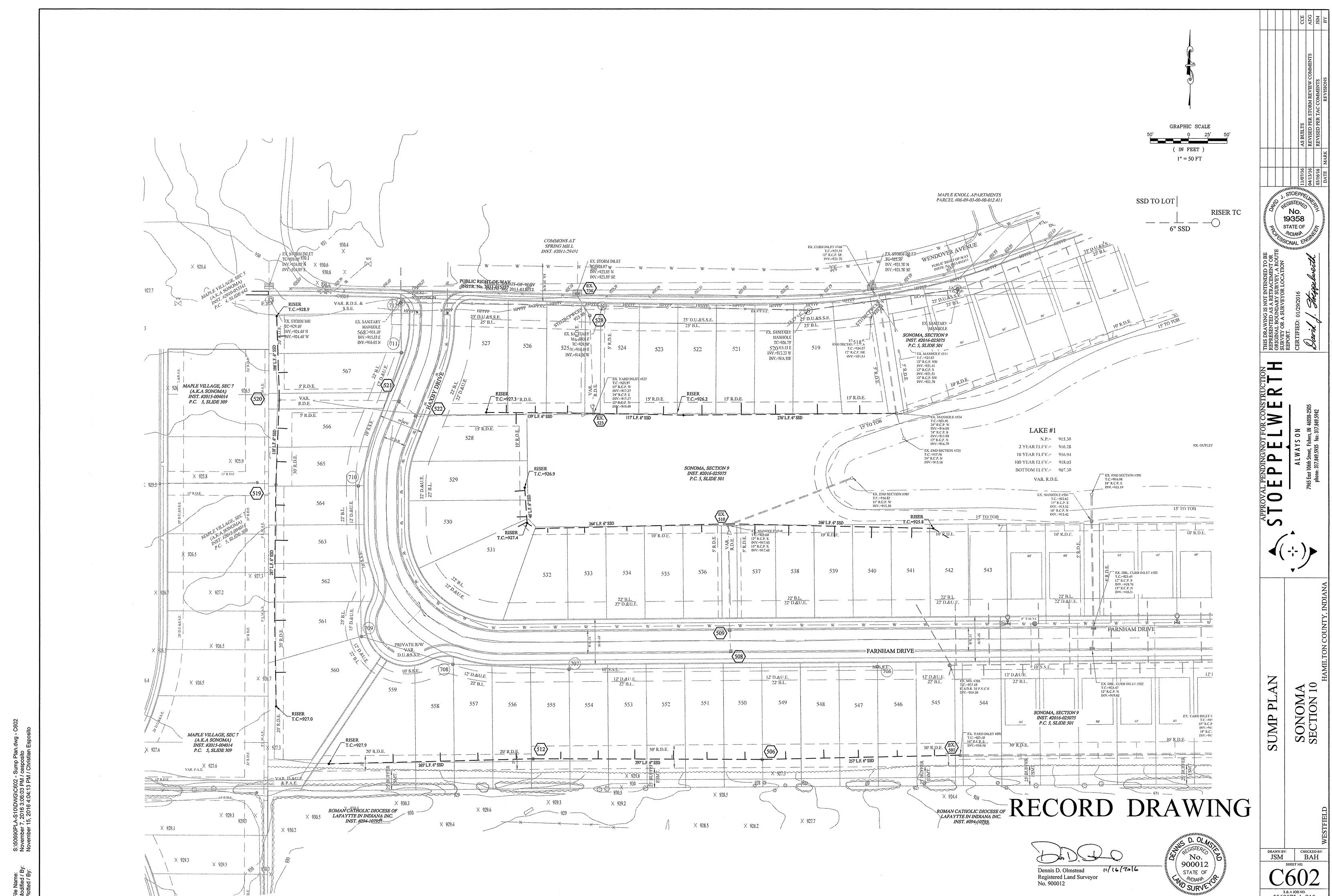


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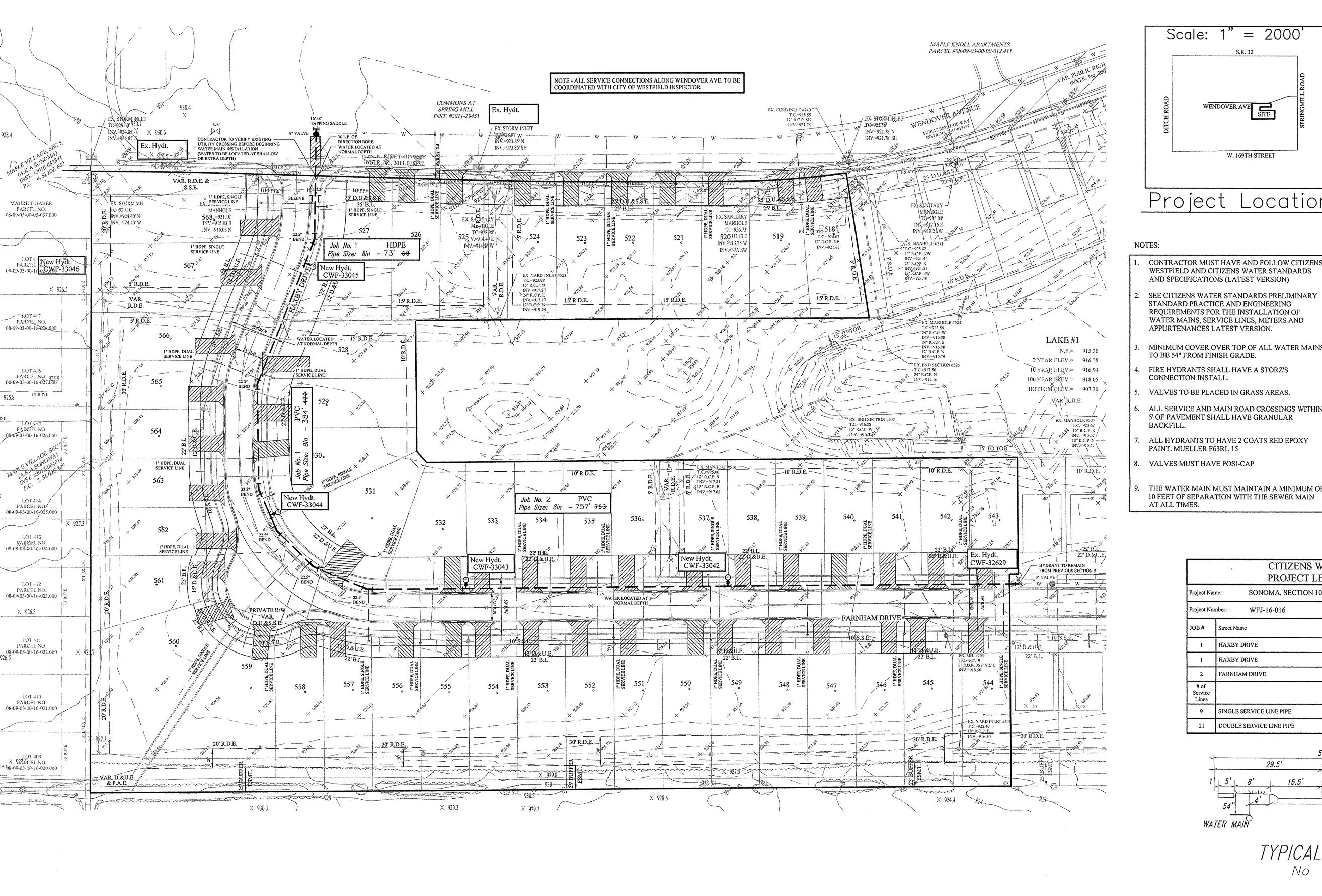
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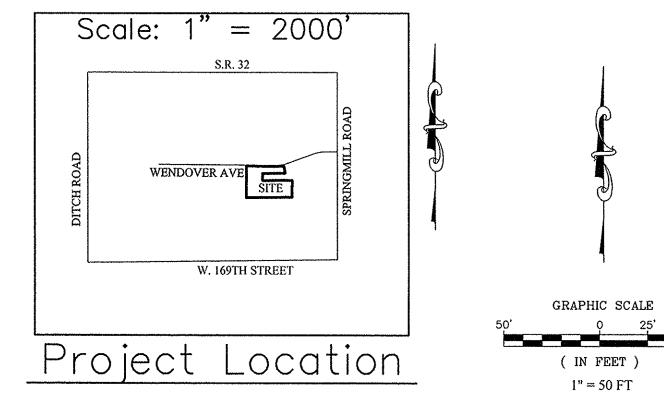




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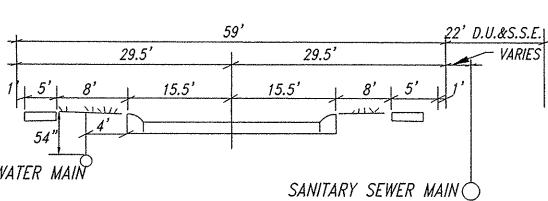
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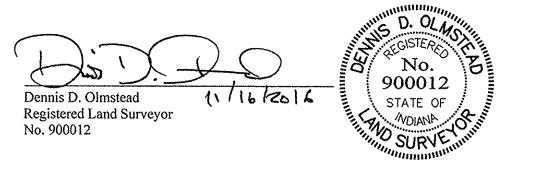
<u>LEGEND</u> Existing Water Main CONTRACTOR MUST HAVE AND FOLLOW CITIZENS WESTFIELD AND CITIZENS WATER STANDARDS AND SPECIFICATIONS (LATEST VERSION) SEE CITIZENS WATER STANDARDS PRELIMINARY STANDARD PRACTICE AND ENGINEERING Butterfly Valve REQUIREMENTS FOR THE INSTALLATION OF WATER MAINS, SERVICE LINES, METERS AND 8.0. Blowoff Assembly APPURTENANCES LATEST VERSION. MINIMUM COVER OVER TOP OF ALL WATER MAINS TO BE 54" FROM FINISH GRADE. T.J. Tee FIRE HYDRANTS SHALL HAVE A STORZ'S CONNECTION INSTALL. VALVES TO BE PLACED IN GRASS AREAS. ALL SERVICE AND MAIN ROAD CROSSINGS WITHIN 5' OF PAVEMENT SHALL HAVE GRANULAR BACKFILL. Electric Lines ALL HYDRANTS TO HAVE 2 COATS RED EPOXY 9 METER PIT PAINT. MUELLER F63RL 15 | WATER SERVICE LATERAL 8. VALVES MUST HAVE POSI-CAP

		CITIZENS WA PROJECT LEG					
Project Na	ıme:	SONOMA, SECTION 10					
Project Nu	ımber:	WFJ-16-016					
JOB#	Street Na	me		Pipe Size	Pipe Type	Tota	al Pipe
1	HAXBY	DRIVE		8"	HDPE	73'	60
1	HAXBY	HAXBY DRIVE		8"	PVC	384'	404
2	FARNH	FARNHAM DRIVE		8"	PVC	757'	75
# of Service Lines				TOTAL		1,214'	1,2
9	SINGLE	SERVICE LINE PIPE		1"	HDPE	404'	38.
21	DOUBL	E SERVICE LINE PIPE		I"	HDPE	872'	824

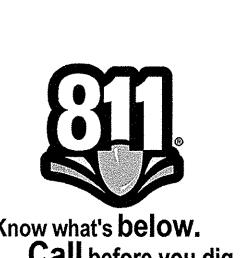


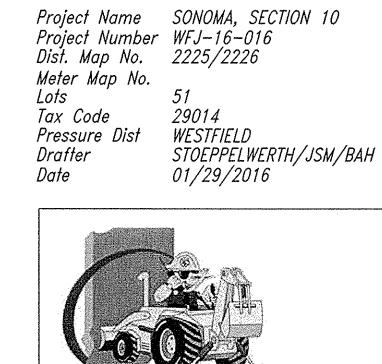
TYPICAL STREET No Scale

RECORD DRAWING









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WATER PLAN

SONOMA SECTION 10