

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 16, 2018

To: Hamilton County Drainage Board

Re: Williams Creek Drain, Wilshire Section 2 Arm

Attached is a petition filed by Steve A. Wilson, Inc., along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Wilshire Section 2 Arm, Williams 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	664 ft.	21" RCP	206 ft.
15" RCP	561 ft.	24" RCP	197 ft.
18" RCP	354 ft.	6' SSD	6,980 ft.

The total length of the drain will be 8,962 feet.

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:

- Hush Hickory Bend
- Hidden Willow Court
- Cedar Grove Landing

Rear Yard SSDs:

- Rear yard lots 39 to 41 from Str. 442 running west to riser
- Rear yard lots 43 to 45 from Str. 442 running north to riser
- Rear yard lots 46 to 48 from Str. 448 running south east to riser
- Rear yard lots 49 to 51 from Str. 448 running north east to riser
- Rear yard lots 52 & 53 from Str. 451 running south to riser

Rear yard lots 54 to 59 from Str. 451 running north west to riser
Rear yard lots 60 & 61 from Str. 435A to Str. 459
Rear yard lots 62 to 64 from Str. 459 to Str. 460
Rear yard lots 65 & 66 from Str. 460 running east to riser
Rear yard lots 67 & 68 from Str. 456 running north west to riser
Rear yard lots 69 to 71 from Str. 456 to Str. 454
Rear yard lots 72 to 74 from Str. 454 to Str. 455
Rear yard lots 75 to 79 from Str. 455 to Str. 446
Rear yard lots 80 & 81 from Str. 446 running south to riser

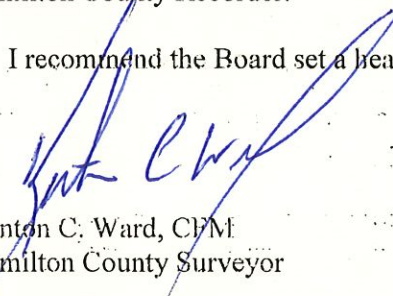
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$65.00 per platted lot, \$10.00 per 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 \$3,396.00.

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 Wilshire Section 2 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for May 29, 2018.



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

FILED

SEP 29 2017

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 Wilshire Subdivision, Section
2 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 Wilshire, Section 2, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefited thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility


Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond or Non-Revocable Letter of Credit for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 120% of the Engineer's estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.
3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain file.
4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" Mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioners cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain as per IC 36-9-27-69(d).

RECORDED OWNER(S) OF LAND INVOLVED


Signed

Steven A. Wilson
Printed Name

September 29 2017
Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

FINDINGS AND ORDER


CONCERNING THE MAINTENANCE OF THE

Williams Creek Drain, Wilshire Section 2 Arm

On this 29th day of May, 2018, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Williams Creek Drain, Wilshire Section 2 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

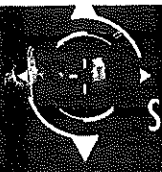


Member



Member

Attest: 
Executive Secretary



STOEPPELWERTH

ALWAYS ON

ofc: 317.849.5935
fax: 317.849.5942

7965 East 106th Street
Fishers, IN 46038-2505
www.stoepfelwerth.com

December 6, 2017

Westfield Public Works
2706 East 171st Street
Westfield, Indiana 46074

Attention: Mr. John Rankin

Re: Wilshire, Section 2

Dear Mr. Rankin:

On behalf of the developer SAW Development, please accept this Engineer's Estimate for Wilshire, Section 2. The estimate is as follows:

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL
EROSION CONTROL				
<i>Front Yard Silt Fence</i>	3,840	LF	\$1.60	\$6,144.00
<i>Swale Silt Fence</i>	1,850	LF	\$1.60	\$2,960.00
<i>Area Inlet Protection</i>	12	EA	\$80.00	\$960.00
<i>Curb Inlet Protection</i>	17	EA	\$190.00	\$3,230.00
<i>Temporary Seeding with Mulch</i>	11	AC	\$1,459.10	\$16,050.00
<i>Permanent Seeding with Mulch</i>	20,650	SY	\$0.60	\$12,390.00
<i>Erosion Blanket with Seed</i>	2,350	SY	\$1.50	\$3,525.00
<i>Temporary Drive</i>	1	LS	\$6,830.00	\$6,830.00
EARTHWORK				
<i>Mass Excavation</i>	3,200	CY	\$5.05	\$16,160.00
<i>Finish Grading</i>	10,250	SY	\$2.20	\$22,550.00
SANITARY SEWER				
<i>8" SDR-35 Main</i>	1,704	LF	\$29.25	\$49,842.00
<i>8" x 6" Tee Wye</i>	43	EA	\$175.00	\$7,525.00

LAND DEVELOPMENT SUPPORT SOLUTIONS

ENGINEERING | SURVEYING

<i>Standard Manholes</i>	8	EA	\$3,031.00	\$24,248.00
<i>6" Cleanout</i>	30	EA	\$425.00	\$12,750.00
<i>6" SDR-35 Lateral</i>	3,160	LF	\$14.25	\$45,030.00
<i>Main Backfill</i>	170	TN	\$20.30	\$3,451.00
<i>Lateral Backfill</i>	1,260	TN	\$20.30	\$25,578.00

STORM SEWERS

<i>12" RCP</i>	660	LF	\$27.20	\$17,952.00
<i>15" RCP</i>	380	LF	\$30.80	\$11,704.00
<i>18" RCP</i>	325	LF	\$35.40	\$11,505.00
<i>Curb Inlet in Manhole</i>	1	EA	\$2,110.00	\$2,110.00
<i>Ditch Inlet</i>	2	EA	\$1,530.00	\$3,060.00
<i>Ditch Inlet in Manhole</i>	3	EA	\$2,050.00	\$6,150.00
<i>Double Curb Inlet</i>	3	EA	\$2,850.00	\$8,550.00
<i>Fill Sand Backfill</i>	50	TN	\$20.50	\$1,025.00
<i>Concrete Cradle</i>	2	CY	\$225.00	\$450.00

SUB-SURFACE DRAINS

<i>Street SSD, 6"</i>	3,680	LF	\$9.25	\$34,040.00
<i>Swale SSD, 6"</i>	3,230	LF	\$9.50	\$30,685.00
<i>4 Inch Lot Services</i>	40	EA	\$75.00	\$3,000.00
<i>Cleanouts</i>	16	EA	\$195.00	\$3,120.00
<i>Core Existing Structure</i>	14	EA	\$250.00	\$3,500.00

WATER LINES

<i>3" HDPE</i>	230	LF	\$14.40	\$3,312.00
<i>8" C-900</i>	1,900	LF	\$29.30	\$55,670.00
<i>8" Gate Valve</i>	2	EA	\$1,405.00	\$2,810.00
<i>Fire Hydrants</i>	7	EA	\$4,390.00	\$30,730.00
<i>Main Backfill</i>	62	TN	\$23.00	\$1,426.00
<i>Hidden Flush Hydrant on 3"</i>	1	EA	\$682.00	\$682.00
<i>1" Water Service Lines</i>	1,600	LF	\$8.55	\$13,680.00
<i>Meter Pits</i>	48	EA	\$795.00	\$38,160.00
<i>Service Line Backfill</i>	160	TN	\$21.00	\$3,360.00



STREETS

<i>Common Walk</i>	160	SY	\$63.25	\$10,120.00
<i>Lime Stabilized Subgrade</i>	7,750	SY	\$5.10	\$39,525.00
<i>2' Roll Curb</i>	3,660	LF	\$9.35	\$34,221.00
<i>On-site Street Pavement</i>	1	LS	\$154,118.00	\$154,118.00
<i>6" Asphalt Path</i>	1	LS	\$21,450.00	\$21,450.00
GRAND TOTAL				\$805,338.00

If you have any questions, please give Brian K. Robinson a call at (317) 570-4763.

Very truly yours,

STOEPPELWERTH & ASSOCIATES, INC.



David J. Stoeppelwerth

Cc: Steve Wilson

BKR/meb

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BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Williams Creek Drain, Wilshire Section 2 Arm

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Williams Creek Drain, Wilshire Section 2 Arm** on **May 29, 2018** 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

Williams Creek Drain, Wilshire Section 2 Arm

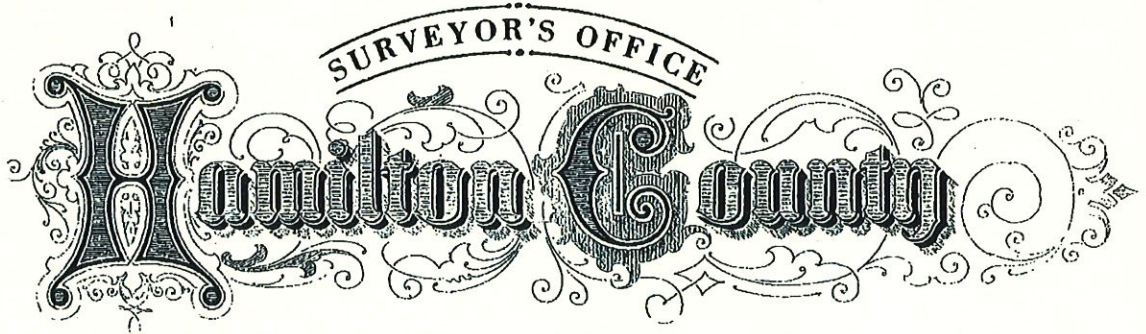
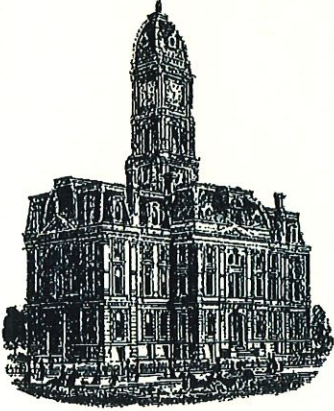
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **May 29, 2018** 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

February 15, 2019

Re: Williams Creek Drain: Wilshire Section 2 Arm

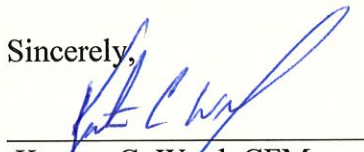
Attached are as-built, certificate of completion & compliance, and other information for Wilshire Section 2. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated March 16, 2018. The report was approved by the Board at the hearing held May 29, 2018. (See Drainage Board Minutes Book 18, Pages 142-143) The changes are as follows: the 12" RCP was shortened from 664 to 663 feet. The 15" RCP was shortened from 561 to 560 feet. The 18" RCP was lengthened from 354 to 366 feet. The 6" SSD was shortened from 6,980 to 6,703 feet. The length of the drain due to the changes described above is now **8878 feet**.

The non-enforcement was approved by the Board at its meeting on May 29, 2018 and recorded under instrument #2018051590. Sureties were not submitted by the developer 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: Whilshire, Section 2

FILED
OCT 05 2018
OFFICE OF HAMILTON COUNTY SURVEYOR

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: October 5, 2018

Type or Print Name: David J. Stoepelwerth

Business Address: Stoepelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

Telephone Number: (317) 849-5935

SEAL



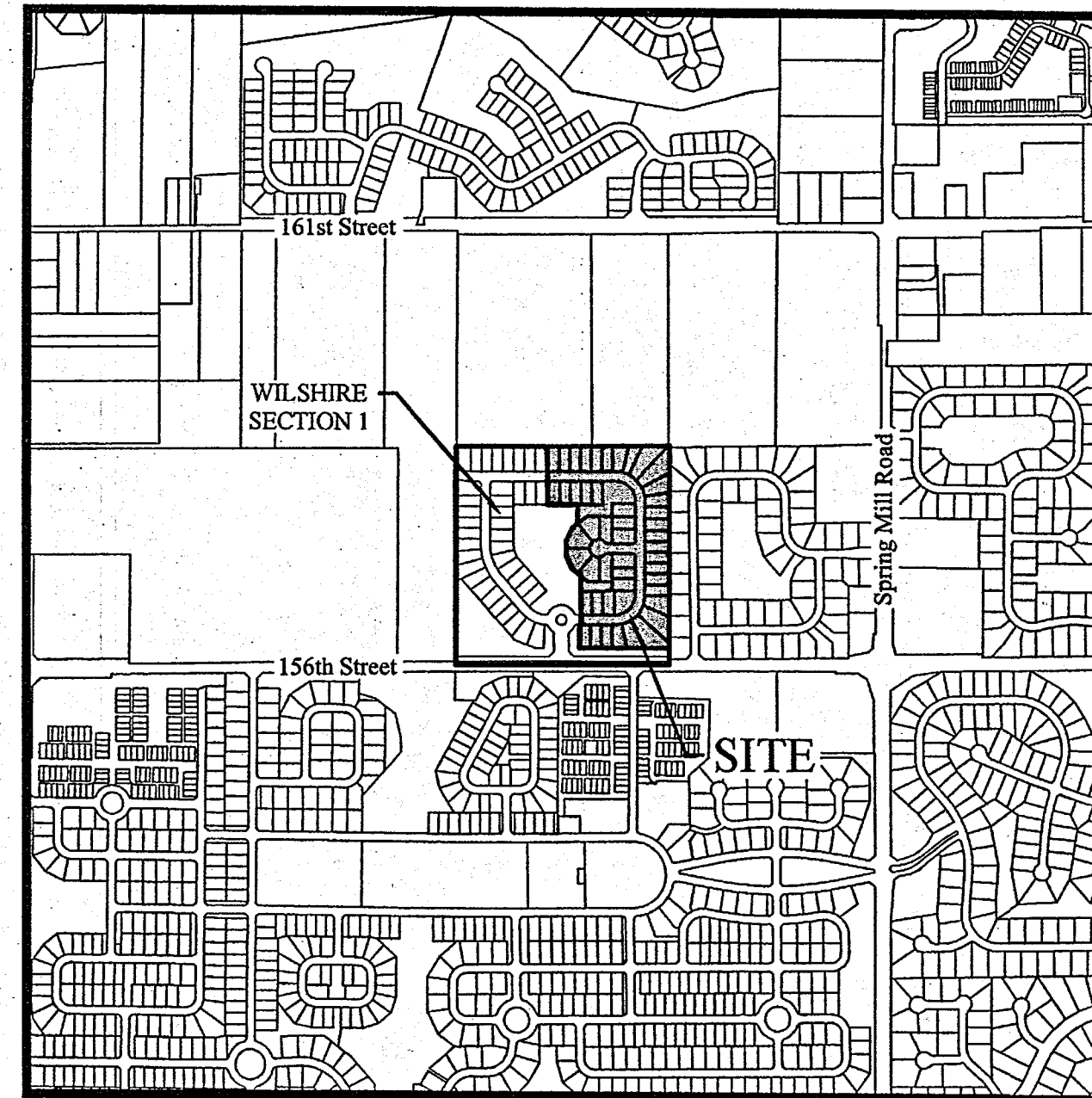
INDIANA REGISTRATION NUMBER

19358

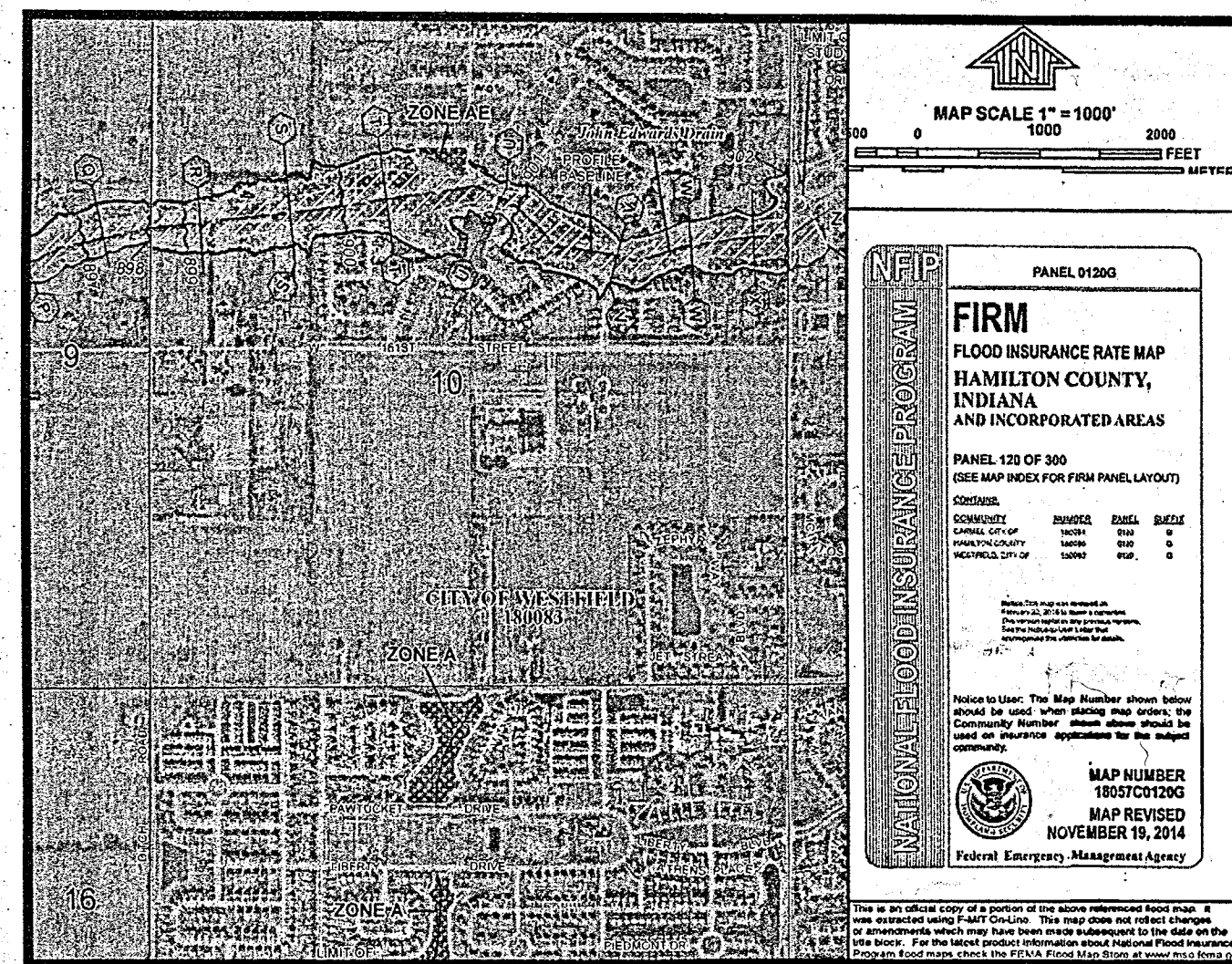
WILSHIRE SECTION 2

Developed by:
SAW Development
 739 Keystone Way
 Carmel, Indiana 46032
Contact: Christopher Wilson
Phone: (317) 846-2555
Cell: (317) 590-6601
Email: sawbuilder@aol.com

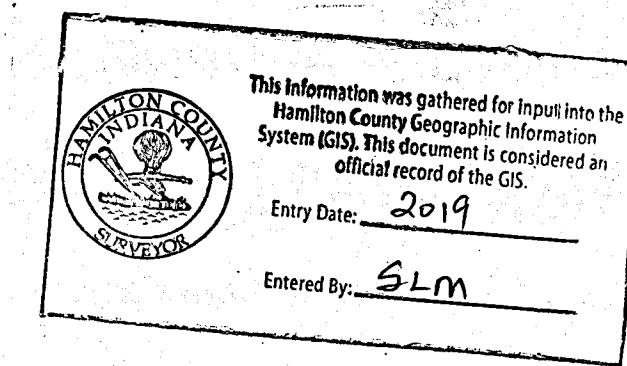
RECORD DRAWING



LOCATION MAP
SCALE: 1" = 1,000'



FLOOD MAP
NOT-TO-SCALE



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



INDEX	
SHT.	DESCRIPTION
C001	COVER SHEET
C100	TOPOGRAPHICAL SURVEY
C200 - C201	SITE DEVELOPMENT PLAN OFFSITE GRADING 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 - C403	STREET PLAN & PROFILES INTERSECTION DETAILS SIGNAGE PLAN
C500 - C501	SANITARY SEWER PLAN & PROFILE
C600 - C602	STORM SEWER PLAN & PROFILES SUB-SURFACE DRAINAGE CONNECTION PLAN
C700 - C701	WATER PLAN & DETAILS
C800 - C806	SPECIFICATIONS & DETAILS
C900 - C907	LANDSCAPE PLANS

REVISIONS			
SHT.	DESCRIPTION	DATE	BY
ALL	REVISED PER TAC COMMENTS	11/07/17	PDR
C700 C800	REVISED PER CITIZENS WESTFIELD COMMENTS	12/05/17	PDR
C500-C501 C600-C601	AS-BUILTS	08/03/18	PCW

UTILITY CONTACTS

AT & T Engineering
 240 North Meridian Street
 2nd Floor, Room 280
 Indianapolis, Indiana 46204
 Contact: Steve Krebs
 Ph: (317) 252-4275

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

Comcast Cable
 533 East 65th Street
 Indianapolis, Indiana 46220
 Contact: Matt Stringer
 Ph: (317) 275-6493

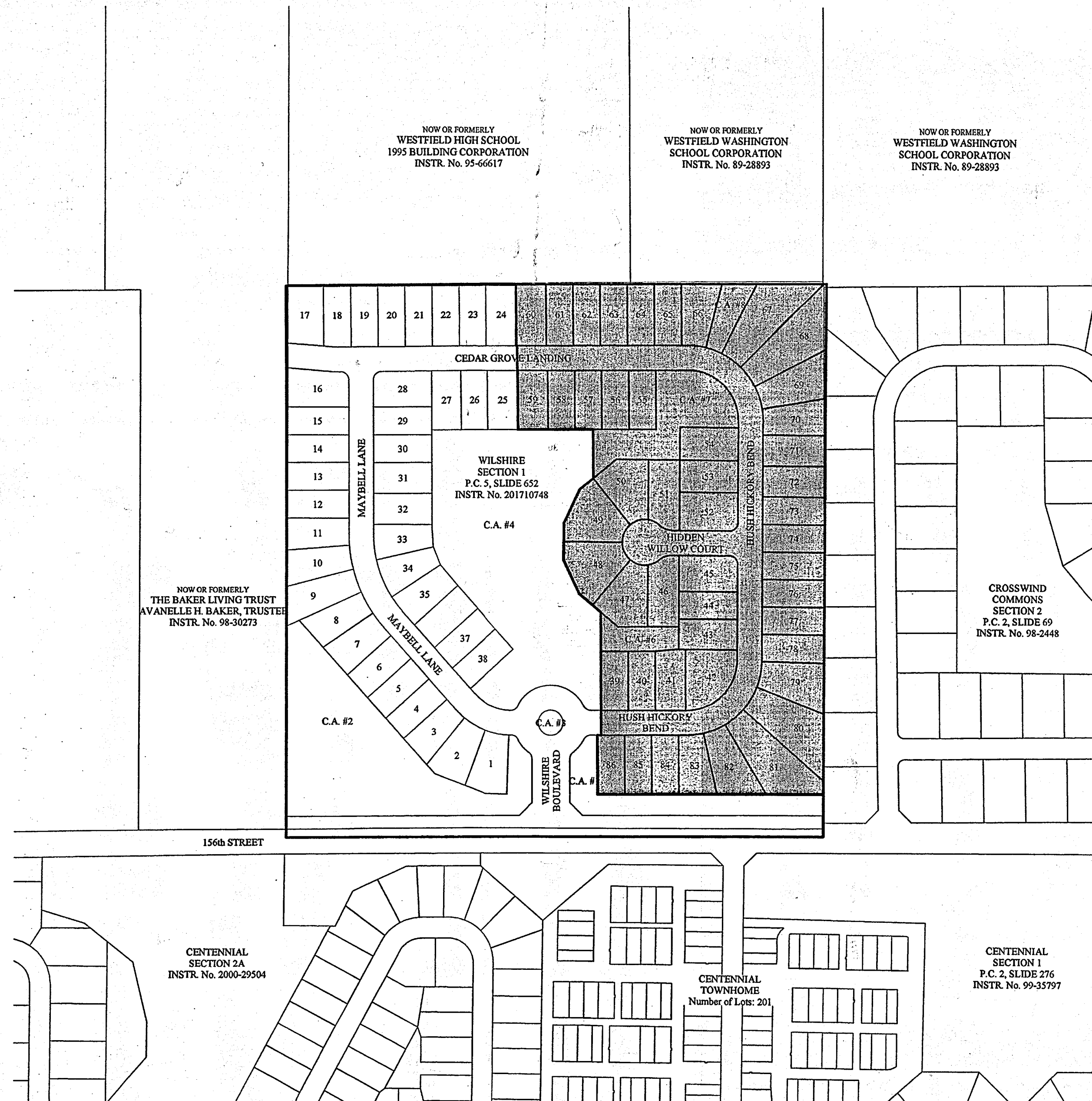
Indiana Gas / Vectren
 16000 Allisonville Road
 Noblesville, Indiana 46061
 Contact: Resa Glover / Chad Miller
 Ph: (317) 776-5550

Duke Energy
 100 South Mill Creek Road
 Noblesville, Indiana 46062
 Contact: Jessica Herrington
 Ph: (317) 776-5331

Bright House Networks
 3030 Roosevelt Ave.
 Indianapolis, Indiana 46218
 Contact: J. D. Trueblood
 Ph: (317) 713-3899

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

Citizens Water and Wastewater of Westfield, LLC
 2150 Dr. Martin Luther King Jr. Street
 Indianapolis, Indiana 46202
 Contact: Brandon Carter
 Ph: (317) 263-6456



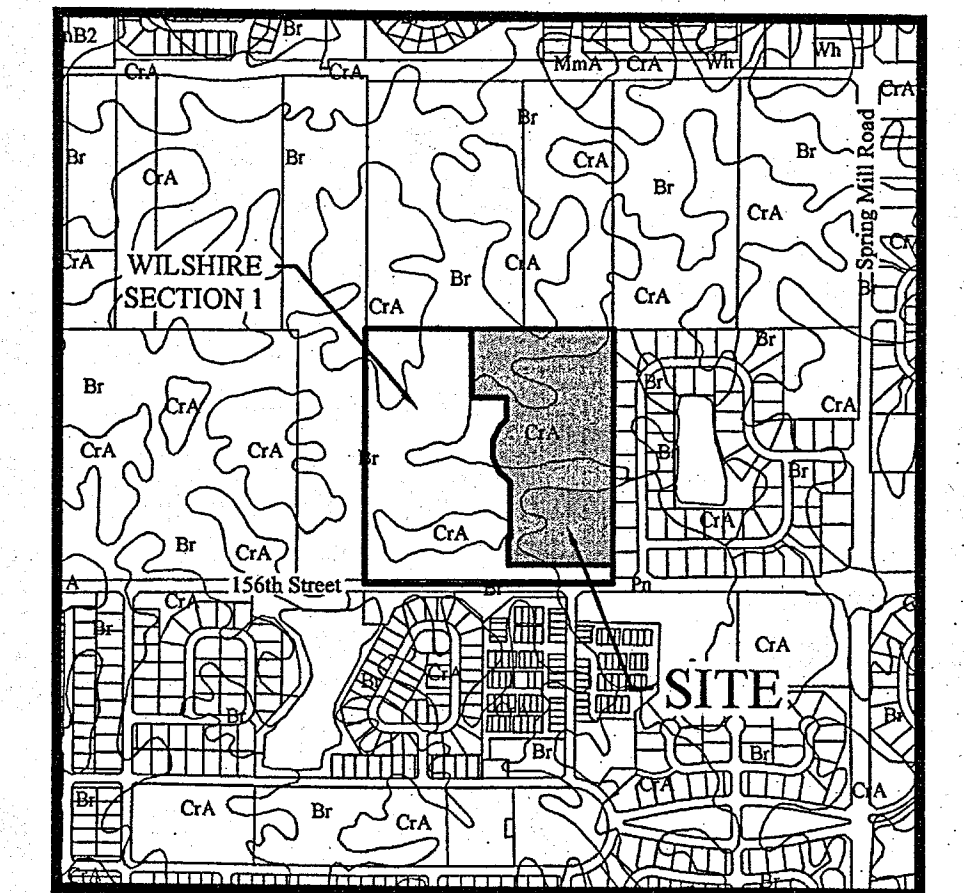
COMMON AREA INDEX

SECTION 1	
C.A. #1	59,561 sq. ft.
C.A. #2	127,480 sq. ft.
C.A. #3	2,827 sq. ft.
C.A. #4	198,246 sq. ft.
SECTION 2	
C.A. #6	11,462 sq. ft.
C.A. #7	39,813 sq. ft.
C.A. #8	10,257 sq. ft.
COMMON AREA	449,646 sq. ft.
TOTALS	10,322 Ac.

SPEED LIMIT = 20 M.P.H.

DESIGN DATA

48 LOTS	
ACERAGE =	17.103 AC. ±
DENSITY =	2.81 LOTS/ACRE
CEDAR GROVE LANDING =	380.92 L.F.
HUSH HICKORY BEND =	1,164.82 L.F.
HIDDEN WILLOW COURT =	252.85 L.F.
TOTAL =	1,798.59 L.F.



SOILS MAP
SCALE: 1" = 1,000'

Map Unit Br - Brookston silt clay loam
 Br - Brookston silt 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 to 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 moderate to low 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 Pn - Patton silt clay loam
 Pn - Patton silt clay loam
 This nearly level, deep, poorly drained soil is in broad depressions and drainage ways on lake plains and terraces. Runoff from adjacent soils is ponded on this soil. The mapped areas are mostly oval in shape but some areas in drainage ways are elongated. The areas range from 3 to 200 acres in size. In a typical profile the surface layer is very dark gray and black silty clay loam about 12 inches thick. The subsoil is dark gray, olive gray and light olive gray, mottled, firm silty clay loam about 26 inches thick. The subsoil, to a depth of 60 inches, is calcareous and is olive gray and gray silt loam and light silty clay loam. In some areas, the surface layer is less than 12 inches thick or the substratum is stratified loamy material. In some areas, calcareous loam till is at a depth of less than 60 inches and part of the subsoil below a depth of 40 inches formed in glacial till. Many areas that are surrounded by eroded soils have an overwash of light colored soil material on the original surface layer.

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 BE NECESSARY IN ORDER TO COMPLY WITH THE DETAILED CITY OF WESTFIELD SPECIFICATIONS.

WILSHIRE, SECTION 2

I, the undersigned Registered Land Surveyor hereby certify that the included plat correctly represents a subdivision of part of the Southwest Quarter of the Southeast Quarter of Section 10, Township 18 North, Range 3 East, Washington Township, Hamilton County Indiana, more particularly described as follows:

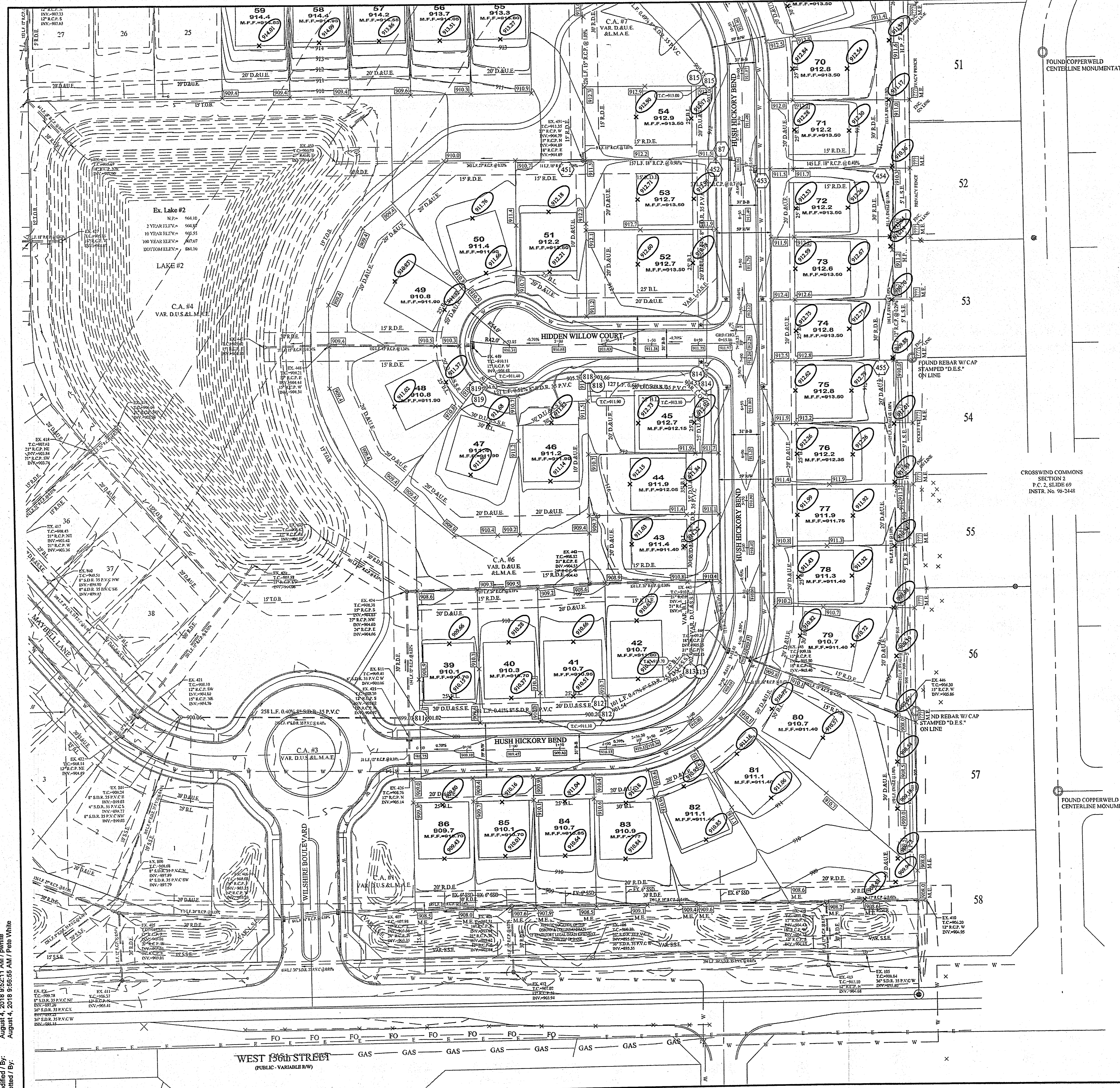
Commencing at the Southeast corner of said Quarter-Quarter Section; thence North 00 degrees 12 minutes 17 seconds West along the East line of said Quarter-Quarter Section 100.00 feet to the POINT OF BEGINNING of this description, said point also being a corner on a southeastern boundary of Wilshire, Section 1, recorded as Instrument No. 2017010748, Plat Cabinet #5, Slide #652 in the Office of the Recorder for Hamilton County, Indiana; the following fourteen (14) courses being along the East boundary of said Wilshire, Section 1; (1) South 89 degrees 39 minutes 42 seconds West 541.51 feet; (2) North 00 degrees 20 minutes 18 seconds West 140.00 feet; (3) North 89 degrees 39 minutes 42 seconds East 9.36 feet; (4) North 00 degrees 20 minutes 18 seconds West 291.66 feet; (5) North 50 degrees 34 minutes 52 seconds West 67.95 feet; (6) North 25 degrees 11 minutes 17 seconds West 87.41 feet; (7) North 00 degrees 12 minutes 17 seconds East 87.41 feet; (8) North 25 degrees 35 minutes 52 seconds East 87.41 feet; (9) North 50 degrees 39 minutes 27 seconds East 41.90 feet; (10) North 00 degrees 26 minutes 51 seconds West 114.57 feet; (11) South 89 degrees 33 minutes 09 seconds West 180.89 feet; (12) North 00 degrees 26 minutes 51 seconds West 150.00 feet to the northeast corner of said Wilshire, Section 1, said point also being along the North line of said Quarter-Quarter Section; thence North 89 degrees 33 minutes 09 seconds East along said North line 745.06 feet to the Northeast corner of said Quarter-Quarter Section; thence South 00 degrees 12 minutes 17 seconds West along the East line of said Quarter-Quarter Section 1, 211.34 feet to the place of beginning, containing 17,103 acres, more or less, subject to all legal highways, rights-of-ways, easements, and restrictions of record.

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: BRIAN K. ROBINSON
 EMAIL: brobinson@stoepfelwerth.com

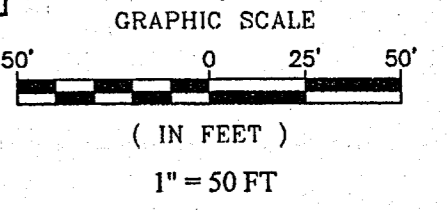
PLANS CERTIFIED BY:
 David J. Stoepfelwerth 09/29/17
 DAVID J. STOEPPEL WERTH
 PROFESSIONAL ENGINEER
 NO. 19358



S & A JOB No. 46149-S2



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
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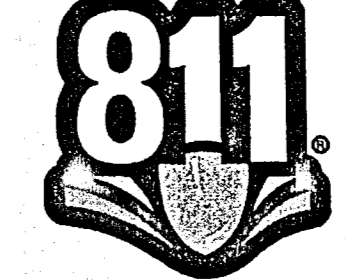
- LEGEND**
- EXISTING CONTOUR
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - PROPOSED GRADE
 - PROPOSED CONTOUR
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - PROPOSED WATER LINE
 - PROPOSED SWALE
 - * ADA RAMP TO BE INSTALLED
- 14
 921.6
 M.F.F.=921.47
- PROPOSED 5' SIDEWALK (BY HOME BUILDER)
 (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)
- PROPOSED 6" UNDERDRAINS
 MIN. FINISH FLOOR ELEVATION IS BASED OFF OF THE BELOW:
 1. 12" (1.0') ABOVE THE NEAREST UPSTREAM OR DOWNSTREAM SANITARY MANHOLE, WHICHEVER IS LOWEST.
 2. 15" (1.25') ABOVE THE ROAD ELEVATION
- B.L. BUILDING SETBACK LINE
 - M.E. MATCH EXISTING
 - H.P. HIGH POINT
 - L.P. LOW POINT
 - GRD. CHG. GRADE CHANGE
 - D.&U.E. DRAINAGE & UTILITY EASEMENT
 - D.U.&S.S.E. DRAINAGE, UTILITY, & SANITARY SEWER EASEMENT

- 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 SHALL BE CLEANED AND TELEVIEWED AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND SUBMITTED TO CITY OF WESTFIELD INSPECTOR.
 6. UTILITY CROSSINGS UNDER PAVEMENT (BORE/JACK & BORE), AVOID OPEN CUTS.

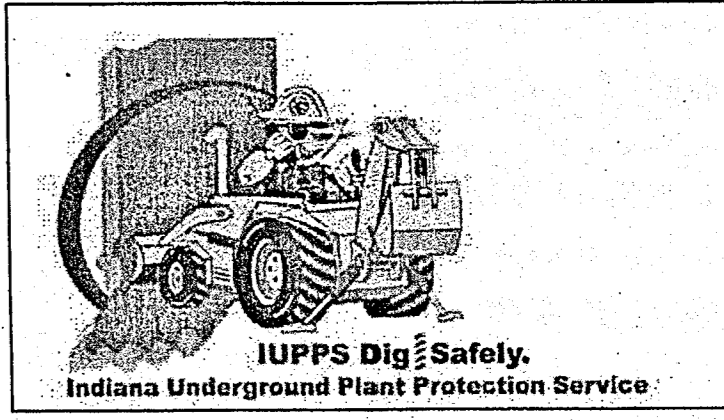
UTILITY CROSSINGS
 CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

RECORD DRAWING

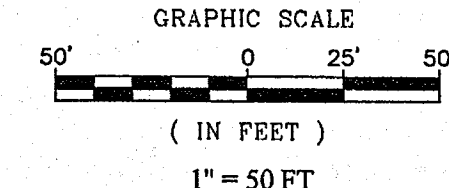
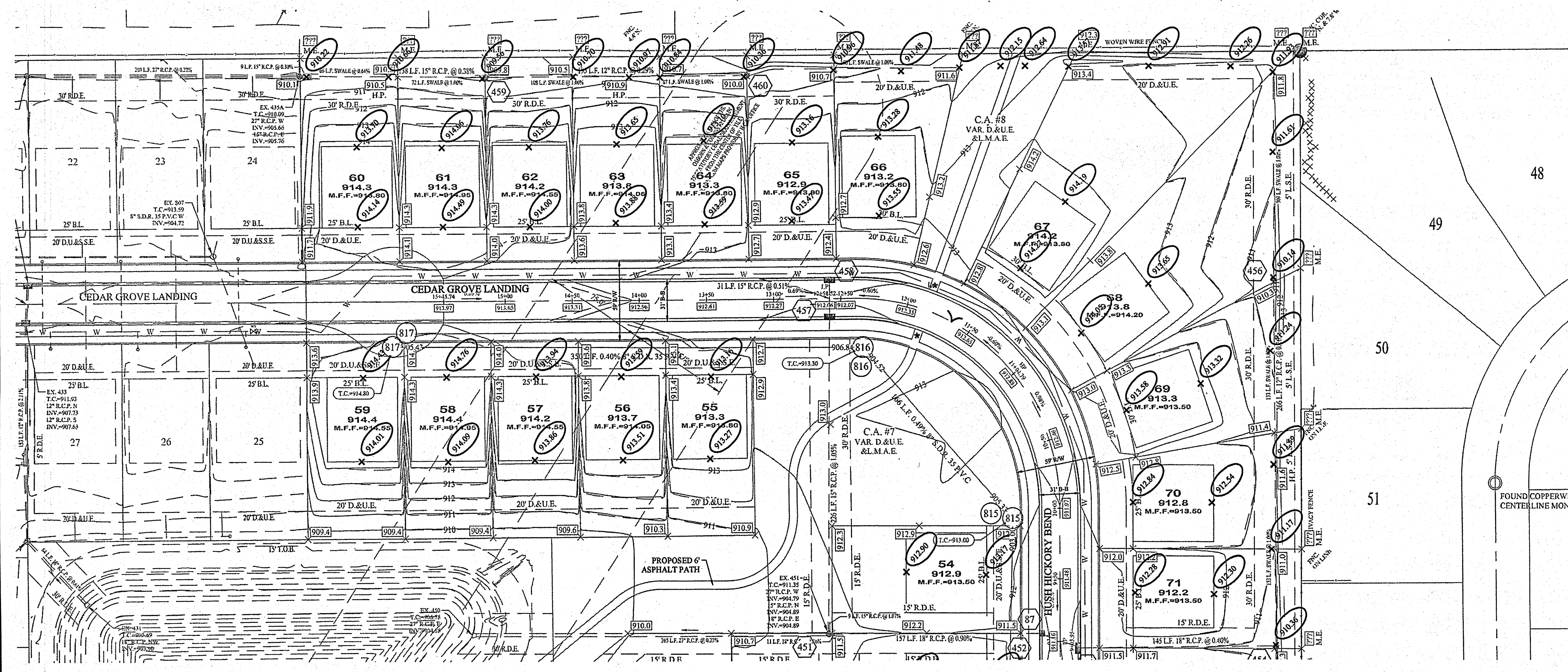
D.D.O.
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 90012



Know what's below.
 Call before you dig.



File Name: S:\46145-S2\DWG\200-Site Development Plan.dwg - C200
 Modified By: August 4, 2018 9:52:11 AM / pwhite
 Plotted By: August 4, 2019 9:56:55 AM / Pete White



- LEGEND**
- EXISTING CONTOUR
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - PROPOSED GRADE
 - PROPOSED CONTOUR
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - PROPOSED WATER LINE
 - PROPOSED SWALE
 - * ADA RAMP TO BE INSTALLED
- 14
921.5
M.F.F.=921.47
- LOT NUMBER
PAD GRADE
MINIMUM FINISH FLOOR
- PROPOSED 5' SIDEWALK (BY HOME BUILDER)
(DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)
- PROPOSED 6" UNDERDRAINS
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- B.L. BUILDING SETBACK LINE
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 - L.P. LOW POINT
 - GRD. CHG. GRADE CHANGE
 - D.&U.E. DRAINAGE & UTILITY EASEMENT
 - D.U.&S.S.E. DRAINAGE, UTILITY, & SANITARY SEWER EASEMENT

STORM SEWER STRUCTURE & PIPE TABLE

STR.#	TYPE	T.C.	CASTING TYPE	DIA. IN	DIR. IN	INV. IN	DIA. OUT	DIR. OUT	INV. OUT	PIPE LENGTH	SLOPE
452	CURB INLET	911.01	R-3501-TR/TL	18	E	906.76	18	W	906.66	33'	0.73%
453	DBL. CURB INLET	911.13	(3) R-3501-TR/TL	18	E	907.44	18	W	907.34	145'	0.40%
454	YARD INLET	910.44	R-4342	12	S	907.44	18	W	907.34	145'	0.40%
455	YARD INLET	909.92	R-4342								
456	YARD INLET	910.31	R-4342				12	S	908.14	26'	0.26%
457	DBL. CURB INLET	911.59	(2) R-3501-TR/TL	15	N	907.39	15	S	907.29	23'	1.05%
458	DBL. CURB INLET	911.94	(2) R-3501-TR/TL	15	N	907.39	15	S	907.55	31'	0.51%
459	YARD INLET	909.63	R-4342	12	E	906.33	15	W	906.23	138'	0.38%
460	YARD INLET	910.46	R-4342	12	W	906.39	12	W	906.39	195'	0.29%

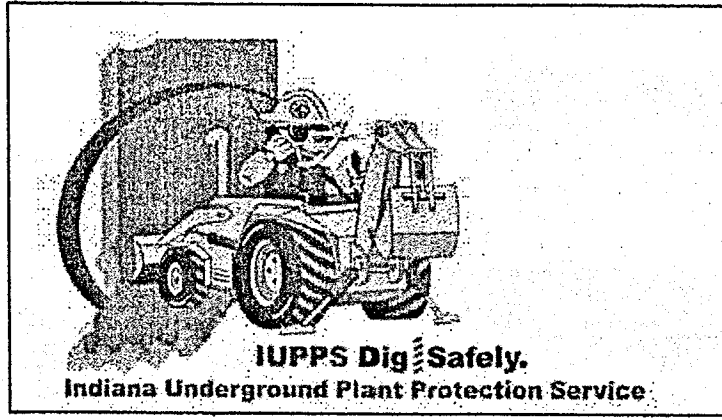
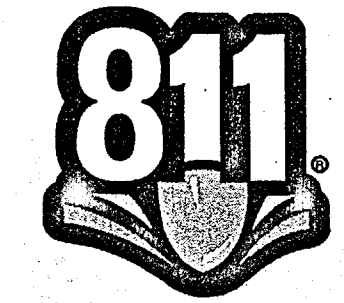
This information was gathered for In/Out into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: 2019
Entered By: SLM

- GENERAL NOTES:**
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UTILITY CROSSINGS
CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

RECORD DRAWING

Dennis D. Olmstead
Registered Land Surveyor
No. 900012
8/6/2018



SITE DEVELOPMENT PLAN
 WILSHIRE SECTION 2
 HAMILTON COUNTY, INDIANA
 WESTFIELD, WASHINGTON TWP.

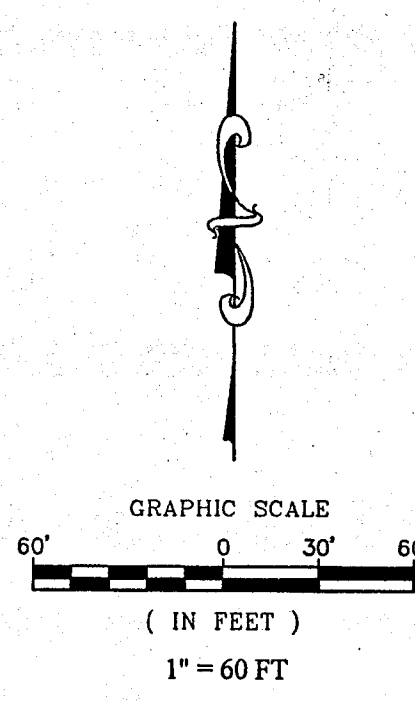
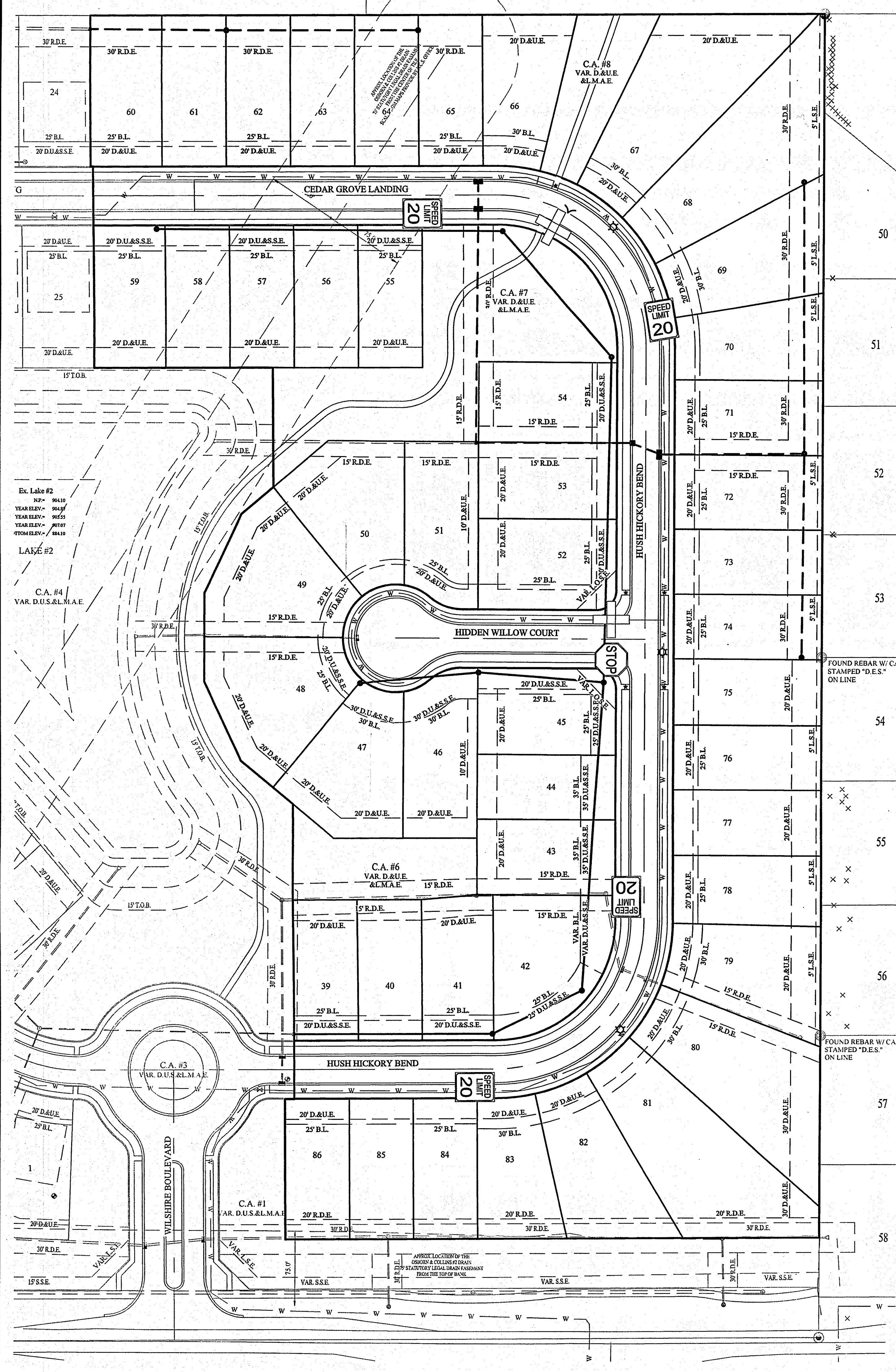
DRAWN BY: PDR
 CHECKED BY: BKR
 SHEET NO: C201
 DATE: 8/6/2018

STOEPELWERTH
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 CERTIFIED: 09/30/17
 David J. Stoeppelwerth

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACTION OR CORRECTION OF A PREVIOUS SURVEY OR A SURVEYOR LOCATION REPORT.

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 Plotted / By: August 4, 2018 9:57:15 AM / Pete White

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 Modified / By: October 1, 2018 5:44:55 PM / dlmargraf
 Plotted / By: October 1, 2018 6:00:00 PM / David Margraf



High Intensity, Prismatic Reflective Sheeting

INDOT Standard Specifications (2014)
 Section 913 Miscellaneous, 919.01 (3a) Traffic signs reflective sheeting, Encapsulated Lens.
 MATERIAL: Traffic Signs fabricated from 3-M (or other INDOT approved) reflective sheeting, High Intensity, Prismatic ASTM Type IV on aluminum backing.

3930 - White (INDOT approval #W088800)
 3932 - Red (INDOT approval #W088802)
 3933 - Blue (INDOT approval #W088804)
 3939 - Brown (INDOT approval #W128801)

3931 - Yellow (INDOT approval #W088802)
 3934 - Orange (INDOT approval #W088802)
 3937 - Green (INDOT approval #W088802)

Diamond Grade Reflective Sheeting

INDOT Standard Specifications (2014)
 Section 919 - Traffic Signs, 919.01 (3a) Traffic signs reflective sheeting, Encapsulated Lens.
 MATERIAL: Traffic Signs fabricated from 3-M (or other INDOT approved) reflective sheeting, Diamond grade ASTM Type IX on aluminum backing.

4084 - Fluorescent Orange (INDOT Approval # W088893)
 4091 - Yellow (INDOT Approval # W088891)
 4095 - Blue (INDOT Approval # W088893)
 4097 - Green (INDOT Approval # W088893)

4090 - White (INDOT Approval # W088893)
 4092 - Red (INDOT Approval # W088892)
 4096 - Worby Green (INDOT Approval # W088894)
 4097 - Green (INDOT Approval # W088893)

MATERIAL: Traffic Signs fabricated from 3-M reflective sheeting, Diamond grade ASTM Type XI on aluminum backing.

4081 - Fluorescent Yellow (INDOT Approval # W088896)
 4083 - Fluorescent Yellow/Green (INDOT Approval # W088897)

Aluminum Backing Material

INDOT Standard Specifications (2014)
 Section 919 - Street Signs, 919.01 (a) Traffic Signs Sheet Signs

GENERAL STREET NAME SIGN NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE FINAL STREET SIGN LEGEND AND BACKGROUND COLOR WITH THE CITY BEFORE ORDERING AND INSTALLING STREET NAME SIGNS.
- STREET NAME SIGNS WILL MEET THE MINIMUM STANDARDS SPECIFIED IN THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES UNLESS OTHERWISE STATED.
- ALUMINUM BACKING MATERIAL WILL COMPLY WITH INDOT STANDARD SPECIFICATIONS (2014) SECTION 919 - STREET SIGNS, 919.01 (a) TRAFFIC SIGNS SHEET SIGNS.
- INSTALL GROUND-MOUNTED SIGNS PER STANDARD DWG RD-35 AND OVERHEAD SIGNS PER INDOT STANDARD DWGS.
- LONGER SIGN LENGTHS WILL REQUIRE SPECIAL SIGN SUPPORTS AND APPROVAL BY THE CITY ENGINEER.

STREET SIGNS - MATERIAL DETAILS
 CITY OF WESTFIELD, INDIANA
 DATE: 2/26/16
 FIGURE 2500-015a

High Intensity, Prismatic Reflective Sheeting

INDOT Standard Specifications (2014)
 Section 919 - Traffic Signs, 919.01 (3a) Traffic signs reflective sheeting, Encapsulated Lens.
 MATERIAL: Traffic Signs fabricated from 3-M (or other INDOT approved) reflective sheeting, High Intensity, Prismatic ASTM Type IV on aluminum backing.

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 3932 - Red (INDOT approval #W088802)
 3933 - Blue (INDOT approval #W088804)
 3939 - Brown (INDOT approval #W128801)

3931 - Yellow (INDOT approval #W088802)
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 3937 - Green (INDOT approval #W088802)

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INDOT Standard Specifications (2014)
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 MATERIAL: Traffic Signs fabricated from 3-M (or other INDOT approved) reflective sheeting, Diamond grade ASTM Type IX on aluminum backing.

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 4091 - Yellow (INDOT Approval # W088891)
 4095 - Blue (INDOT Approval # W088893)
 4097 - Green (INDOT Approval # W088893)

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 4092 - Red (INDOT Approval # W088892)
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 4097 - Green (INDOT Approval # W088893)

MATERIAL: Traffic Signs fabricated from 3-M reflective sheeting, Diamond grade ASTM Type XI on aluminum backing.

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Aluminum Backing Material

INDOT Standard Specifications (2014)
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STREET SIGNS - NAME DETAILS
 CITY OF WESTFIELD, INDIANA
 DATE: 2/26/16
 FIGURE 2500-015b

STREET SIGNS - SIGN DETAILS
 CITY OF WESTFIELD, INDIANA
 DATE: 2/26/16
 FIGURE 2500-015c

STREET SIGNS - SIGN DETAILS
 CITY OF WESTFIELD, INDIANA
 DATE: 2/26/16
 FIGURE 2500-015d

LEGEND

- ROAD NAME SIGN - 2 (D3-1)
- STOP SIGN - 1 (R1-1)
- SPEED LIMIT SIGN - 4 (R2-1)
- STREET LIGHT - 3

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

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

RECORD DRAWING

Deems D. Olmstead
 Registered Land Surveyor
 No. 900012
 10/20/18

BENNIS D. OLMSTEAD
 REGISTERED
 No. 900012
 STATE OF INDIANA
 LAND SURVEYOR

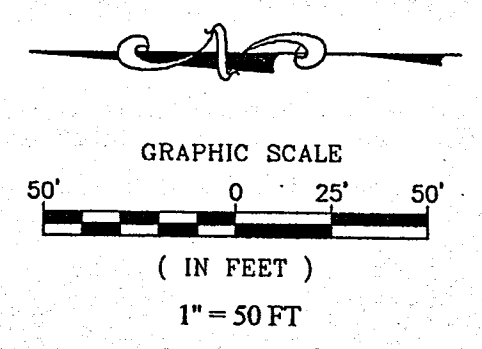
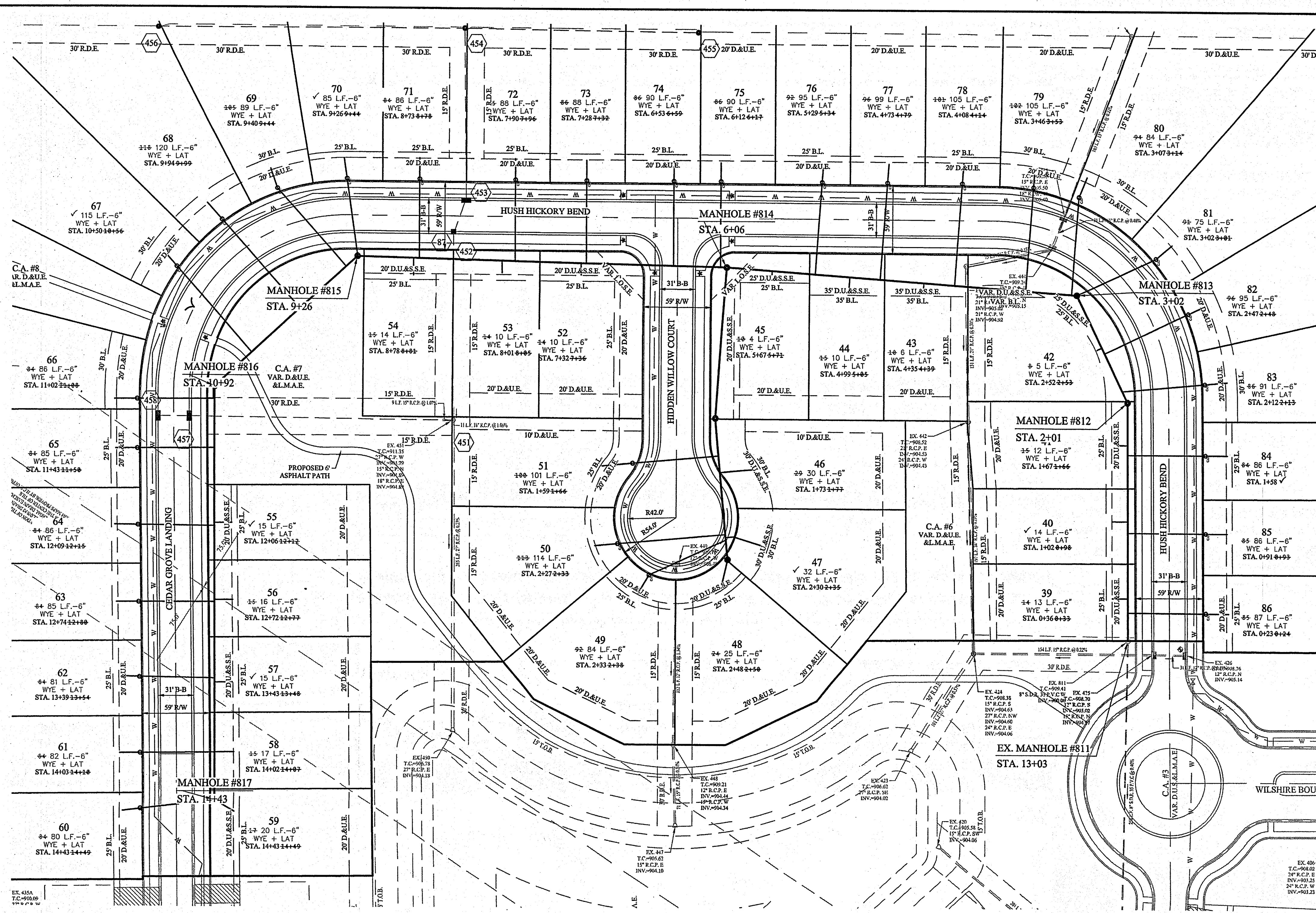
811
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IUPPS Dig Safely.
 Indiana Underground Plant Protection Service

TRAFFIC CONTROL PLAN
 WILSHIRE SECTION 2
 WESTFIELD, WASHINGTON TWP., HAMILTON COUNTY, INDIANA

STOEPELWERTH
 ALWAYS ON
 7965 East 106th Street, Fishers, IN 46038-2505
 phone: 317.849.5265 fax: 317.849.5292

DRAWN BY: PDR
 CHECKED BY: BKR
 SHEET NO: C402
 S.A.A. JOB NO. 46149-S2



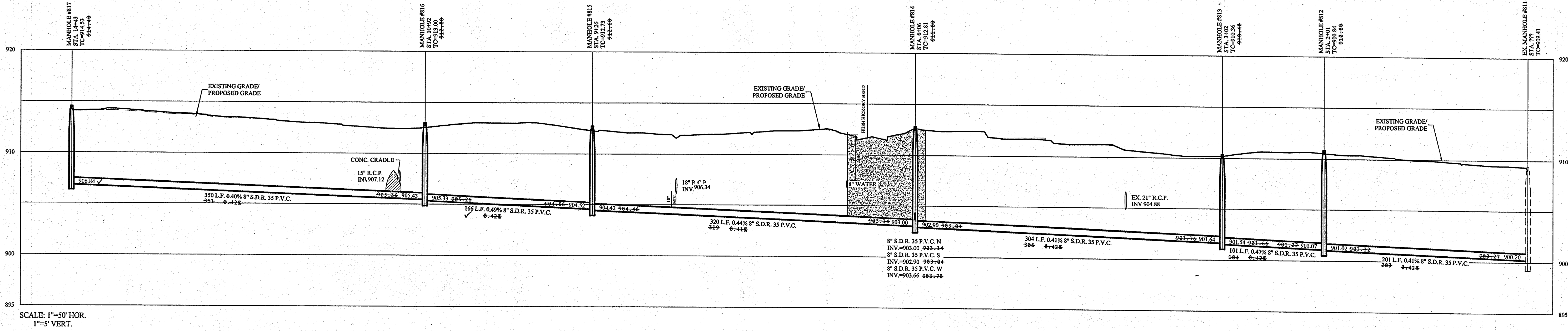
- LEGEND**
- EXISTING SANITARY SEWER (w/LATERALS)
 - EXISTING STORM SEWER
 - EXISTING WATER LINE
 - PROPOSED SANITARY SEWER (w/LATERALS)
 - PROPOSED STORM SEWER
 - PROPOSED WATER LINE
 - DENOTES FULL DEPTH GRANULAR BACKFILL

- NOTES:**
1. MINIMUM SLOPES PER TEN STATE STANDARDS SHALL PREVAIL IN ALL CASES.
 2. SEWER LATERALS SHALL EXTEND TO A POINT NO LESS THAN 5' AND NO GREATER THAN 7' FROM BUILDING LINE, AS SHOWN.
 3. LATERALS SHALL BE INSTALLED NO GREATER THAN 6' BELOW PAD GRADE AT LATERAL END.
 4. MANHOLE STRUCTURES TO BE CONSTRUCTED TO REQUIRE ONE (1) 4" RISER RING, NO MORE, NO LESS TO MEET PLAN TOP OF CASTING.
 5. ALL MAIN AND LATERAL ROAD CROSSINGS SHALL BE FULL DEPTH GRANULAR BACKFILL.
 6. SANITARY SEWERS ARE NOT WITHIN 100' OF WATER WELLS.
 7. ALL SANITARY SEWER LATERALS SHALL HAVE LOCATE WIRE RUN WHEN INSTALLING.

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: 2019
 Entered By: SLM

RECORD DRAWING

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



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

File Name: S:\46145-S2\DWG\C500-Sanitary Plan & Profile.dwg - C500
 Modified / By: August 4, 2018 9:28:00 AM / pwhite
 Plotted / By: August 4, 2018 9:32:34 AM / Fels White

AS-BUILTS	REVISED PER TAC COMMENTS	DATE	MARK
11/07/17			

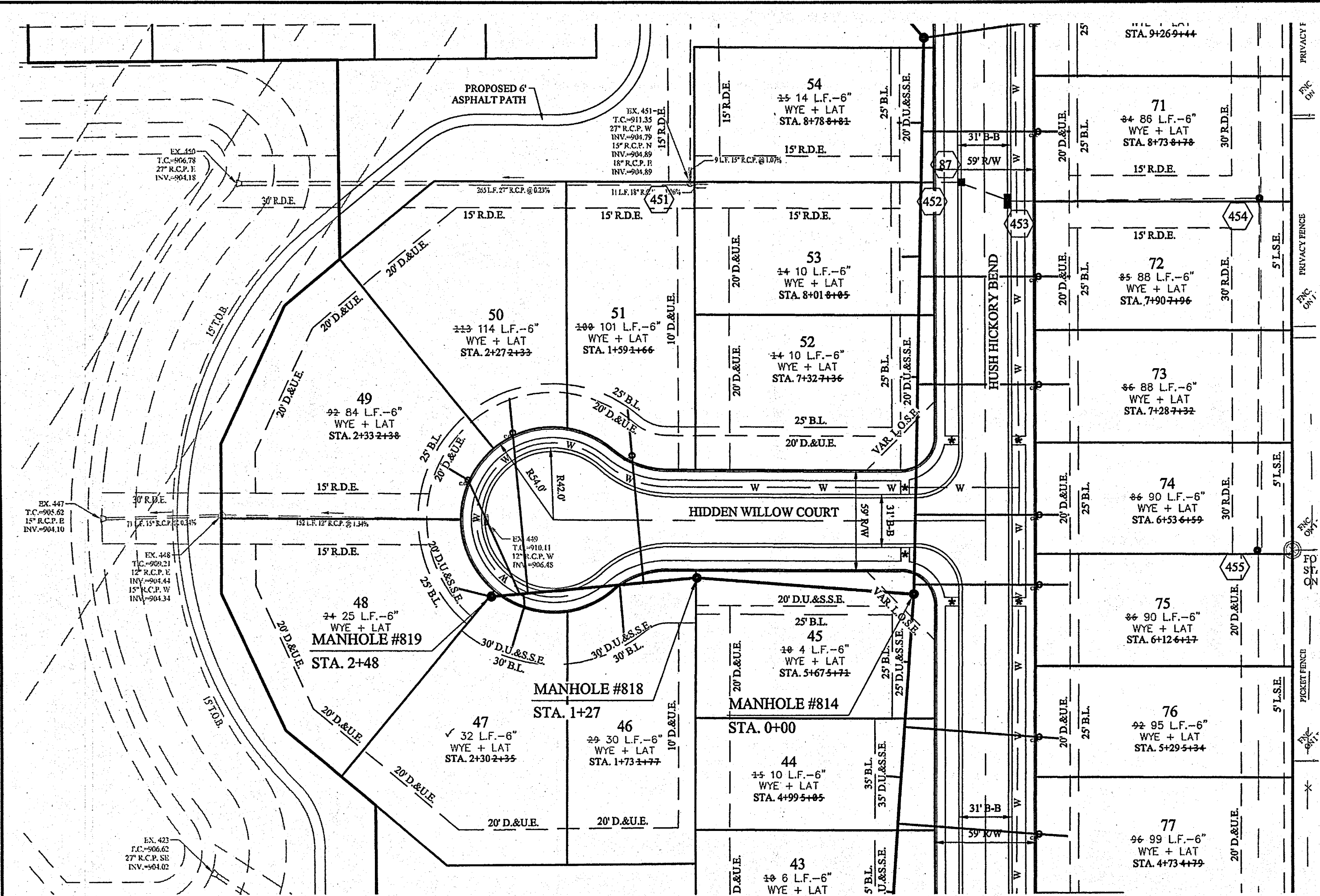
REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
Daniel J. Stappeworth
 CERTIFIED: 09/30/17

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

STOEPPELWERTH
 ALWAYS ON
 7965 East 16th Street, Fishers, IN 46038-2505
 Phone: 317.892.5595 Fax: 317.892.5542

SANITARY PLAN & PROFILE
WILSHIRE SECTION 2
 HAMILTON COUNTY, INDIANA
 WESTFIELD, WASHINGTON TWP.

DRAWN BY: PDR
 CHECKED BY: BKR
 SHEET NO. **C500**
 S.A.P. NO. 46149-S2



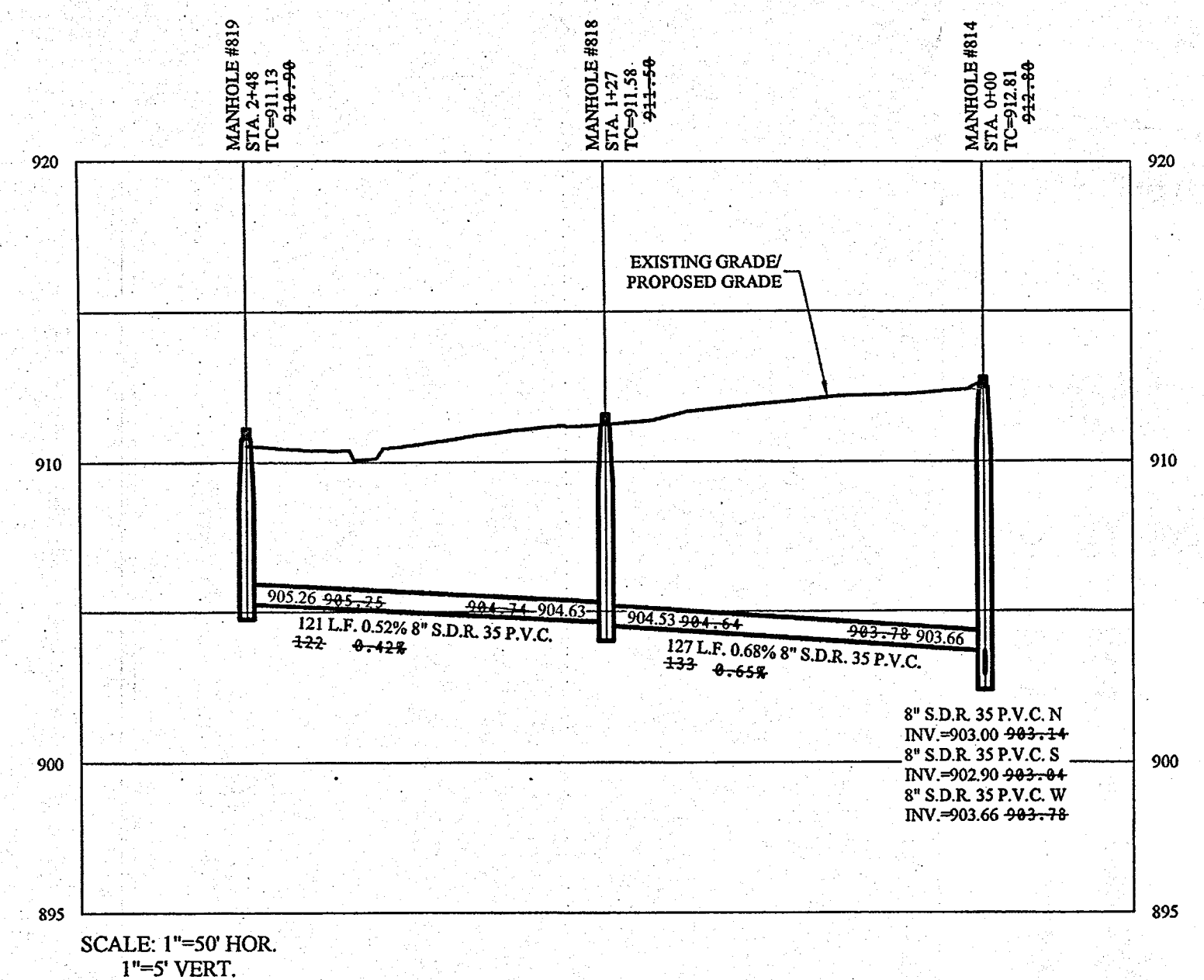
GRAPHIC SCALE
50' 0 25' 50'
(IN FEET)
1" = 50 FT

LEGEND

- EXISTING SANITARY SEWER (w/ LATERALS)
- EXISTING STORM SEWER
- EXISTING WATER LINE
- PROPOSED SANITARY SEWER (w/ LATERALS)
- PROPOSED STORM SEWER
- PROPOSED WATER LINE
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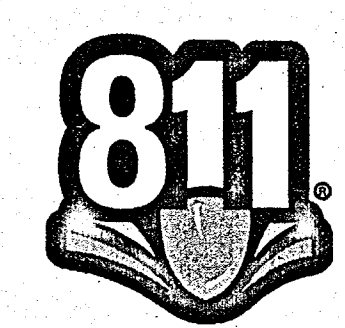
**SANITARY SEWER
STRUCTURE & PIPE TABLE**

STR.#	TYPE	T.C.	CASTING TYPE	DIA. IN	DIR. IN	INV. IN	DIA. OUT	DIR. OUT	INV. OUT	SLOPE	PIPE	LENGTH	MATERIAL
812	4" MH	911.10	R-1772	8"	NE	901.07	8"	W	901.02	0.41%	813-812 811-812	101' 201'	S.D.R. 35 P.V.C. S.D.R. 35 P.V.C.
813	4" MH	910.70	R-1772	8"	N	901.64	8"	SW	901.54	0.47%	814-813 813-812	304' 101'	S.D.R. 35 P.V.C. S.D.R. 35 P.V.C.
814	4" MH	913.10	R-1772	8"	N	903.00 903.66	8"	S	902.90	0.41%	815-814 814-813 818-814	320' 304' 127'	S.D.R. 35 P.V.C. S.D.R. 35 P.V.C. S.D.R. 35 P.V.C.
815	4" MH	913.00	R-1772	8"	NW	904.52	8"	S	904.42	0.44%	816-815 815-814	166' 320'	S.D.R. 35 P.V.C. S.D.R. 35 P.V.C.
816	4" MH	913.30	R-1772	8"	W	905.43	8"	SE	905.33	0.49%	817-816 816-815	350' 166'	S.D.R. 35 P.V.C. S.D.R. 35 P.V.C.
817	4" MH	914.80	R-1772	8"			8"	E	906.84	0.40%	817-816	350'	S.D.R. 35 P.V.C.
818	4" MH	911.90	R-1772	8"	W	904.63	8"	E	904.53	0.68%	819-818 818-814	121' 127'	S.D.R. 35 P.V.C. S.D.R. 35 P.V.C.
819	4" MH	911.40	R-1772	8"			8"	E	905.26	0.52%	819-818	121'	S.D.R. 35 P.V.C.

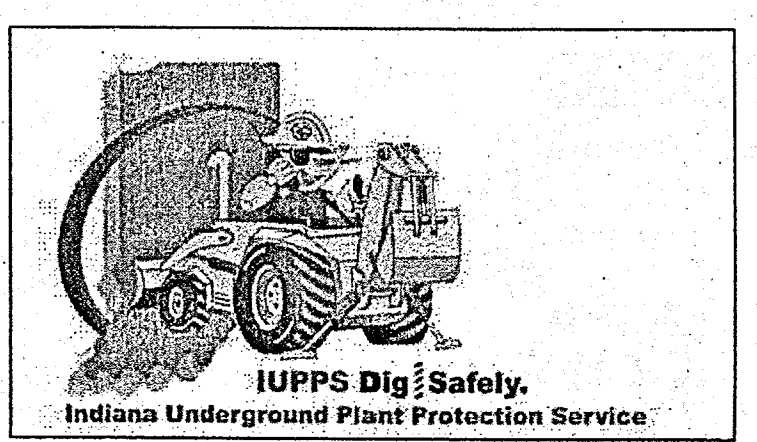
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: 2019
Entered By: SLM

RECORD DRAWING

D.D.O.C.
DENNIS D. OLMSTEAD
REGISTERED LAND SURVEYOR
No. 900012
8/16/18



Know what's below.
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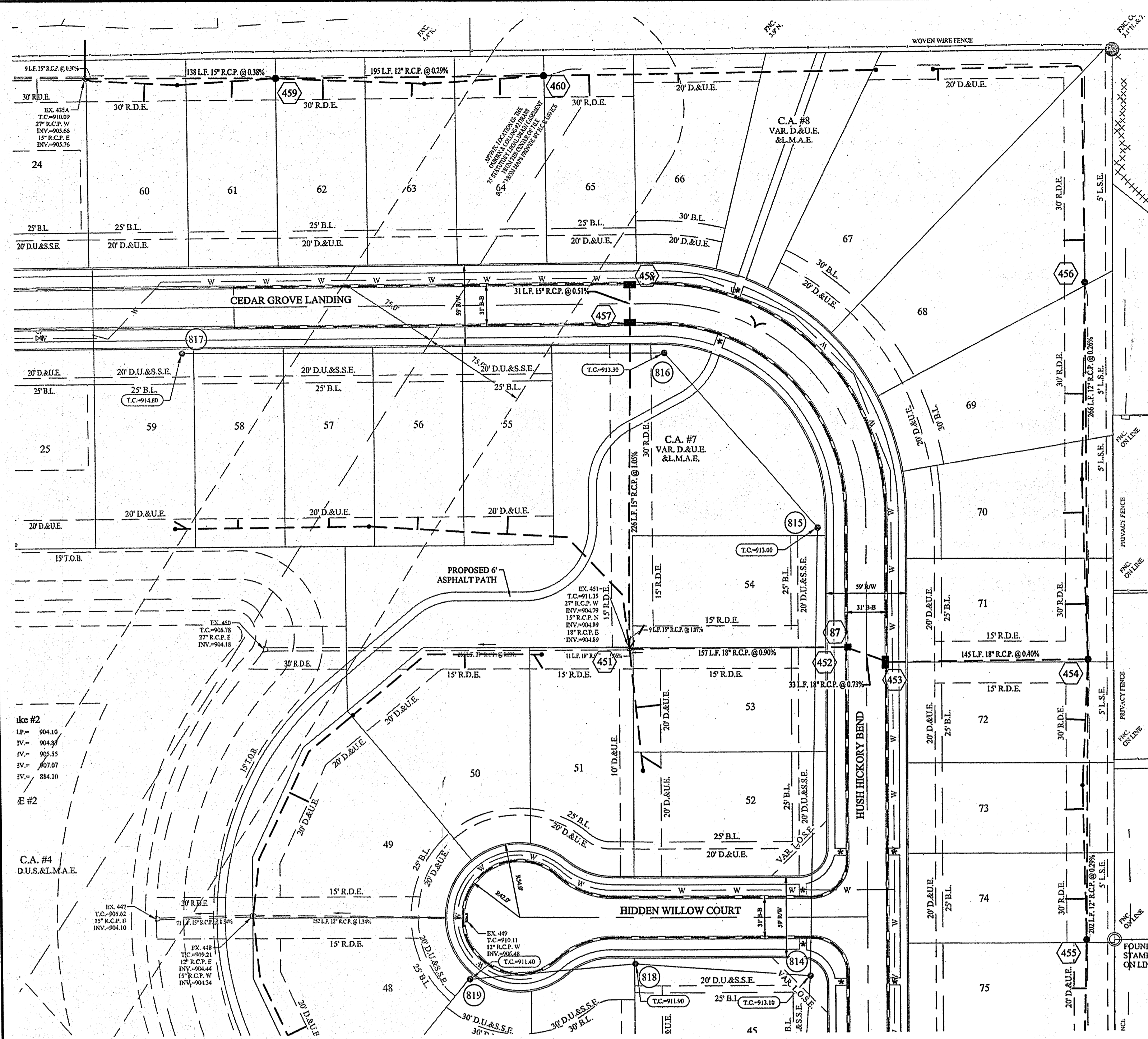
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August 4, 2018 8:26:00 AM / pwhite
August 4, 2018 8:32:58 AM / Pete White

STOEPPELWERTH
ALWAYS ON
7905 East 104th Street, Fishers, IN 46038-2505
Phone: 317.845.5955 Fax: 317.845.5942

REGISTERED PROFESSIONAL ENGINEER
No. 19358
STATE OF INDIANA
David J. Stoepfelwirth
CERTIFIED: 09/30/17

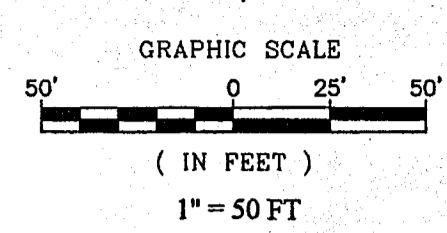
SANITARY PLAN & PROFILE
WILSHIRE SECTION 2
HAMILTON COUNTY, INDIANA
WESTFIELD, WASHINGTON TWP.

DRAWN BY: PDR
CHECKED BY: BKR
SHEET NO. C501
S.A. 1.00000
46149-S2



LEGEND

- - - - - EXISTING SANITARY SEWER (w/ LATERALS)
- - - - - EXISTING STORM SEWER
- - - - - EXISTING WATER LINE
- - - - - PROPOSED SANITARY SEWER (w/ LATERALS)
- - - - - PROPOSED STORM SEWER
- - - - - PROPOSED WATER LINE
- █ DENOTES FULL DEPTH GRANULAR BACKFILL



- 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 (GYP) 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.
 - THERE SHALL BE NO TREES WITHIN 10 FEET OF ANY STORM SEWER INCLUDING SSD.
 - STREET TREES SHALL NOT BE WITHIN 4 FEET OF ANY PAVEMENT.
 - ALL STREET TREES ARE TO MATCH THE CURRENT CITY OF WESTFIELD MASTER TREE LIST.
 - CONTRACTOR TO CORE DRILL EXISTING STRUCTURES, AS NOTED, TO INSTALL PROPOSED 6" SSD.

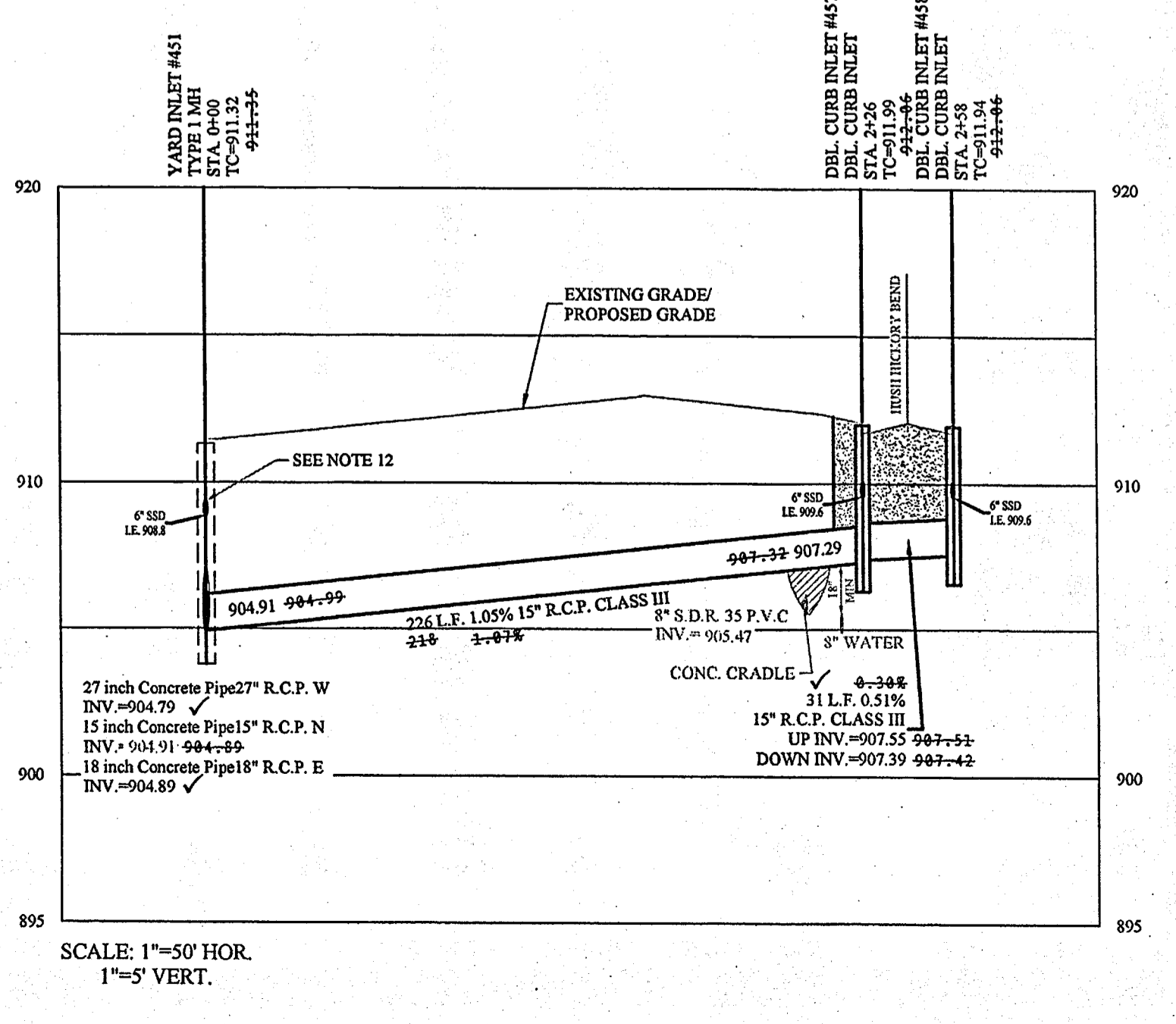
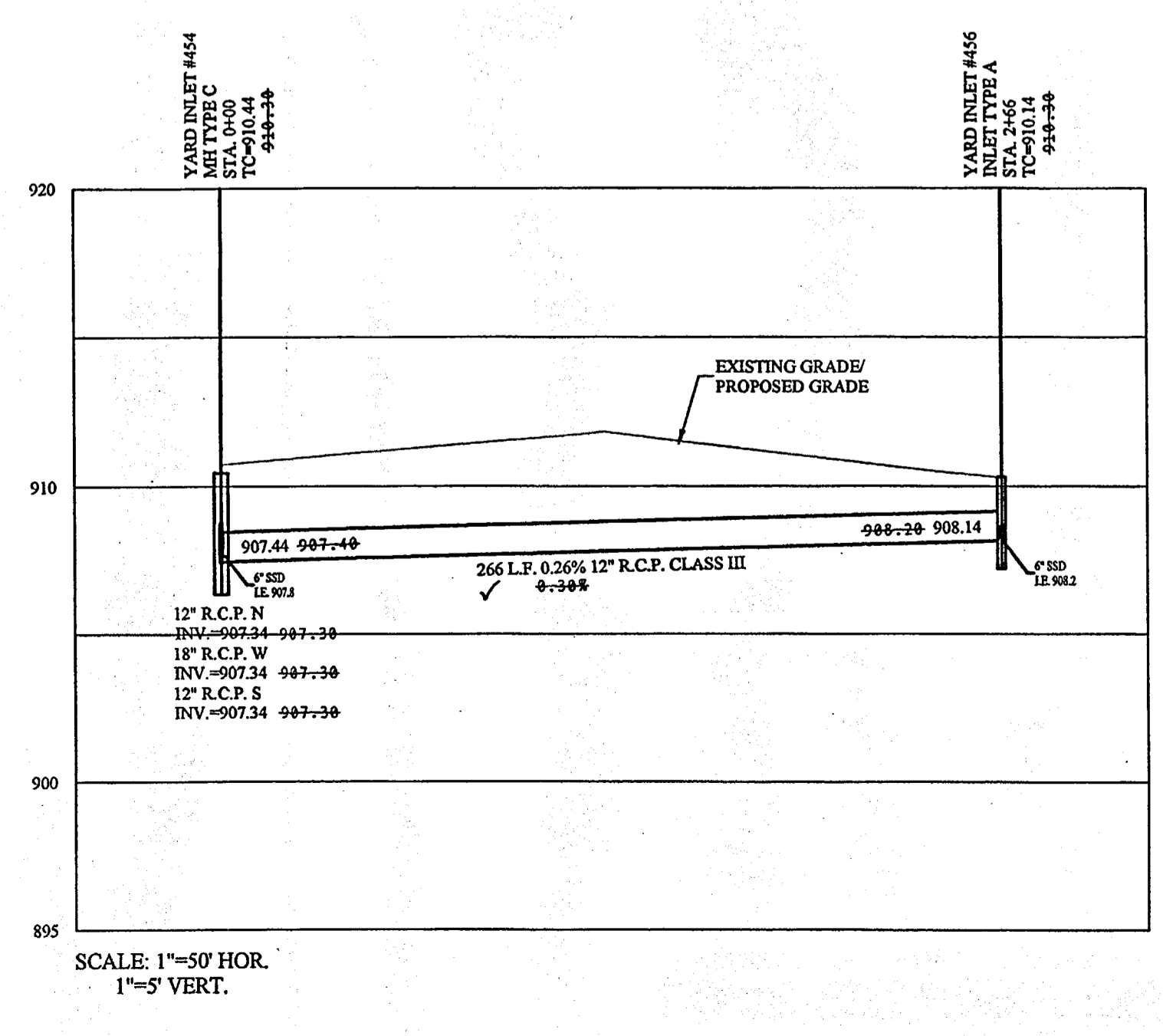
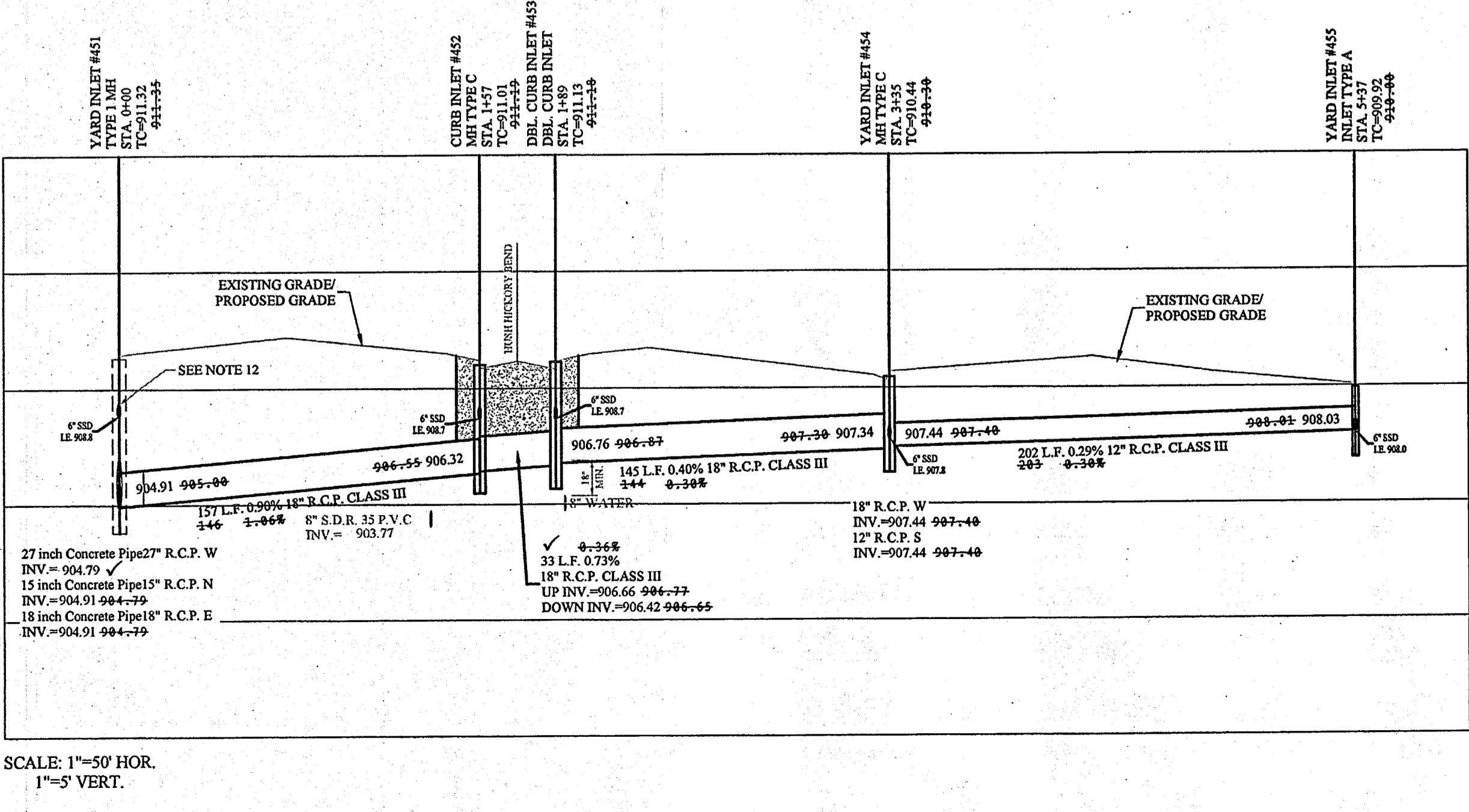
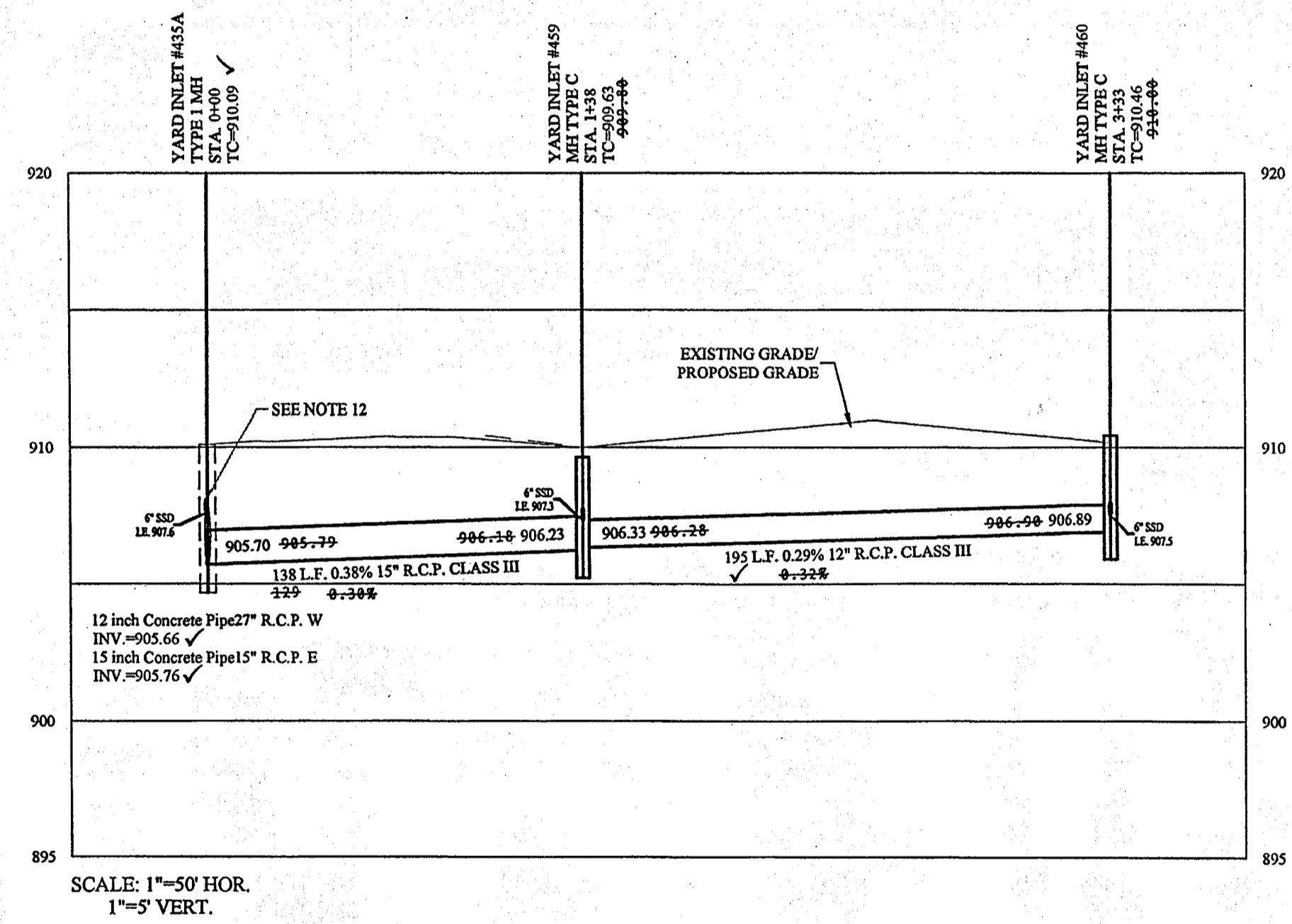
RECORD DRAWING

D.O.
 Dennis D. Olmsted
 Registered Land Surveyor
 No. 900012

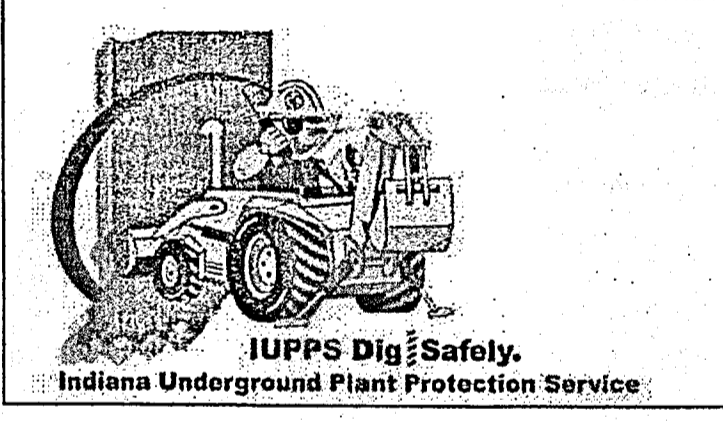


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 Entry Date: 2019
 Entered By: SLM

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR SURVEY OR A SURVEYOR LOCATION REPORT.
 CERTIFIED: 09/30/17
David J. Stappeler



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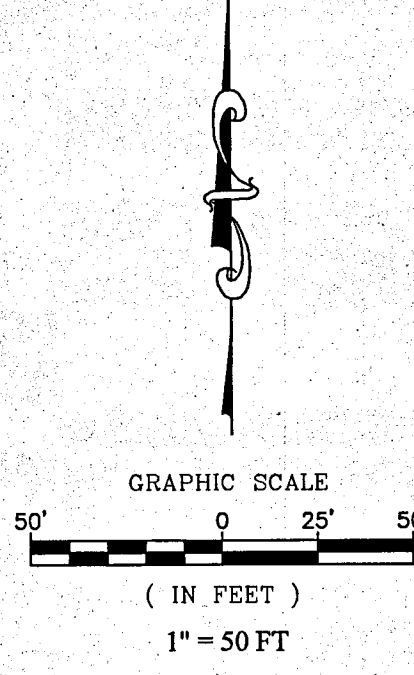
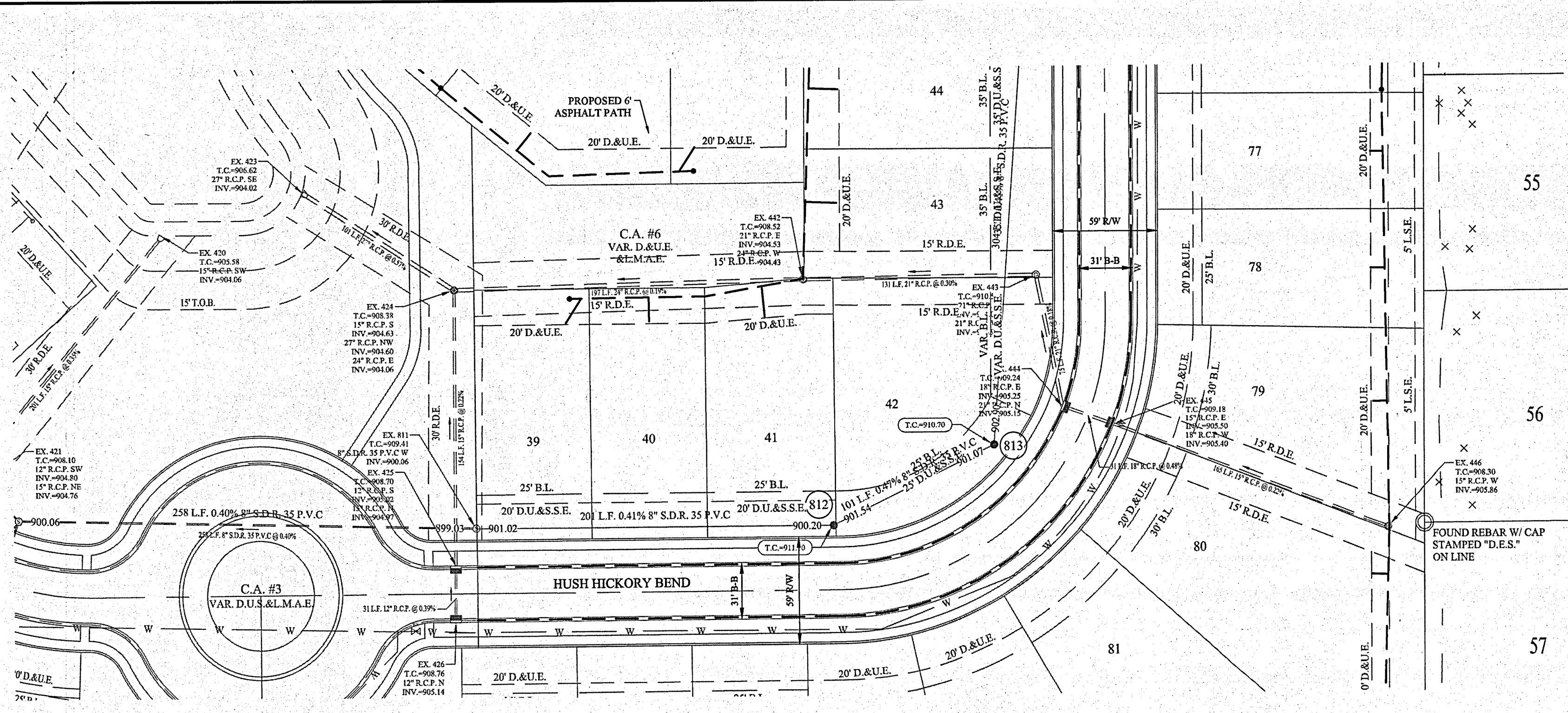
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 Modified / By: July 19, 2018 5:36:19 PM / pwhite
 Plotted / By: August 3, 2019 4:57:03 PM / Pete White

STOEPPELWERTH
 ALL WAYS ON
 705 East 100th Street, Ellettsville, IN 46032-5205
 Phone: 317.849.5255 Fax: 317.849.5242

STORM PLAN & PROFILE
WILSHIRE SECTION 2
 HAMILTON COUNTY, INDIANA
 WESTFIELD, WASHINGTON TWP.

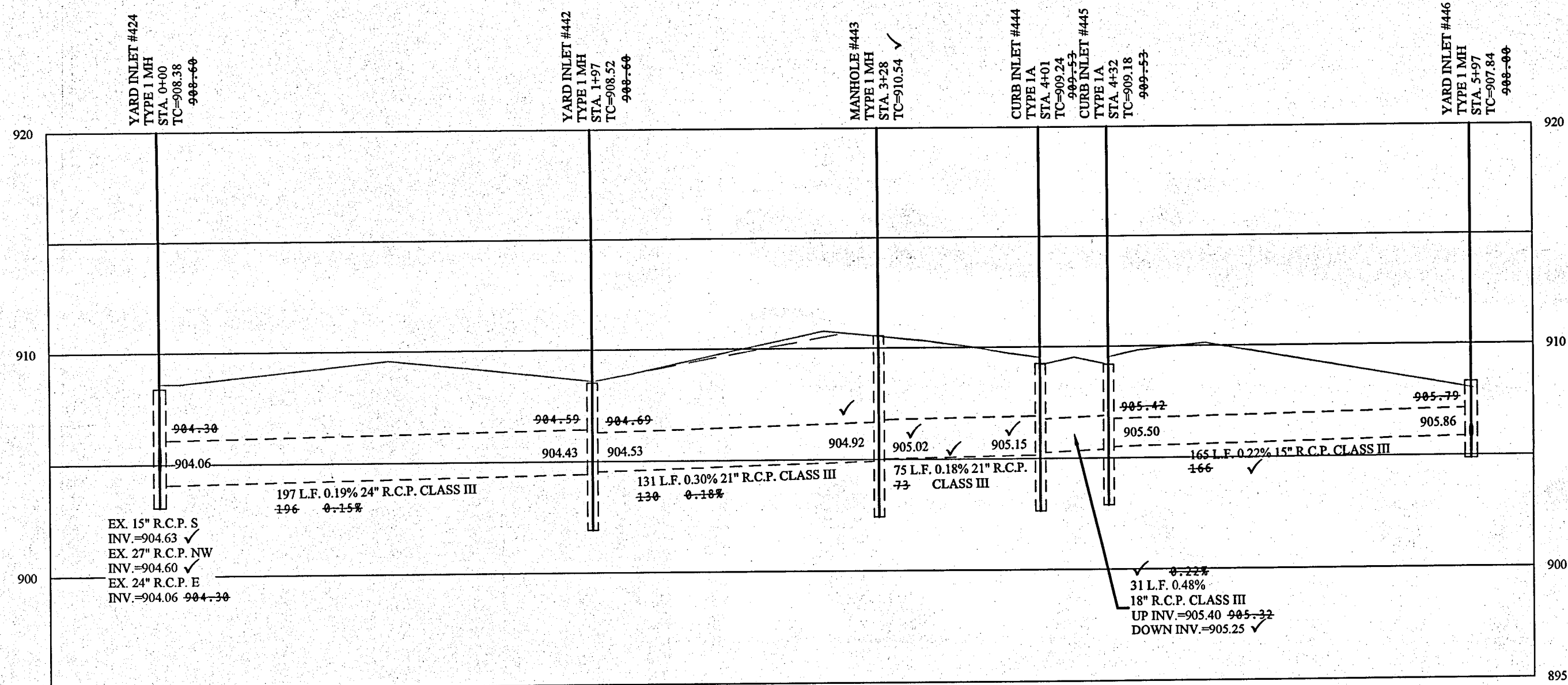
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 CHECKED BY: BKR
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 S.A.A. JOB NO: 46149-S2

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 Modified / By: October 16, 2018 8:11:57 AM / Peter White
 Plotted / By: October 16, 2018 11:38:27 AM / Peter White



- LEGEND**
- EXISTING SANITARY SEWER (w LATERALS)
 - EXISTING STORM SEWER
 - EXISTING WATER LINE
 - PROPOSED SANITARY SEWER (w LATERALS)
 - PROPOSED STORM SEWER
 - PROPOSED WATER LINE
 - DENOTES FULL DEPTH GRANULAR BACKFILL

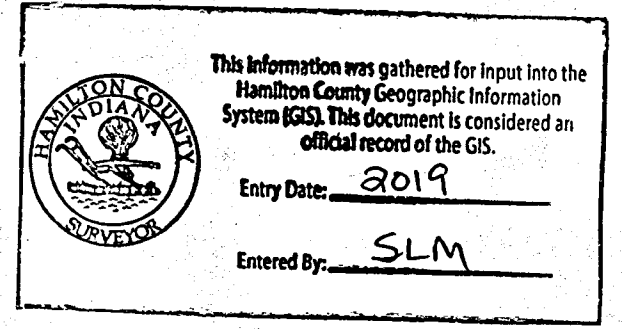
- NOTES:**
1. ALL STORM STRUCTURES TO RECEIVE SOLID LID CASTINGS ARE TO BE CONSTRUCTED TO PROVIDE ONE 4" RISER RING NO MORE, NO LESS TO ACHIEVE PLAN RIM GRADE.
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 11. ALL STREET TREES ARE TO MATCH THE CURRENT CITY OF WESTFIELD MASTER TREE LIST.
 12. CONTRACTOR TO CORE DRILL EXISTING STRUCTURES, AS NOTED, TO INSTALL PROPOSED 6" SSD.



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

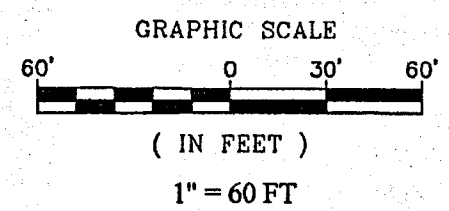
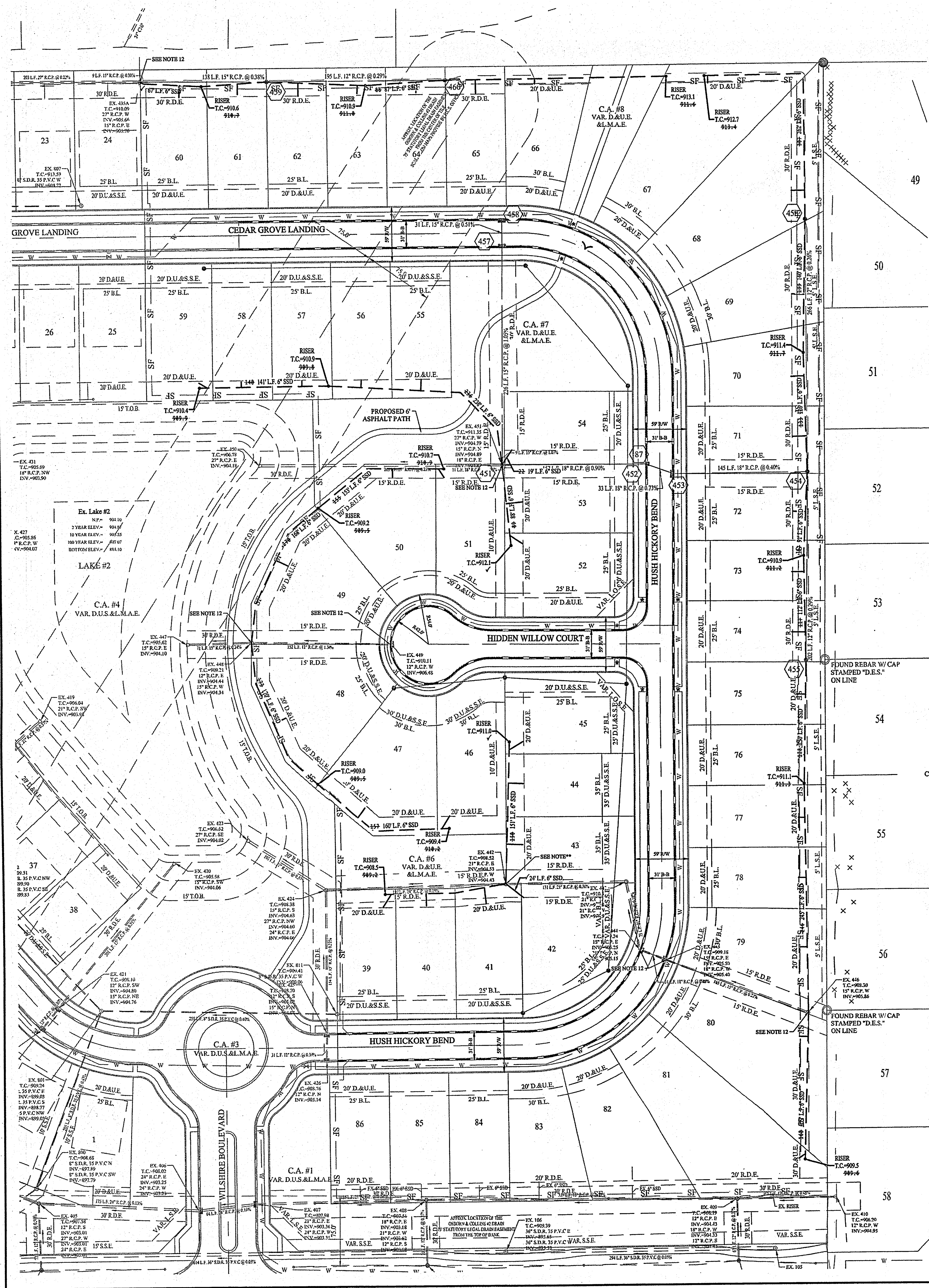
RECORD DRAWING

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

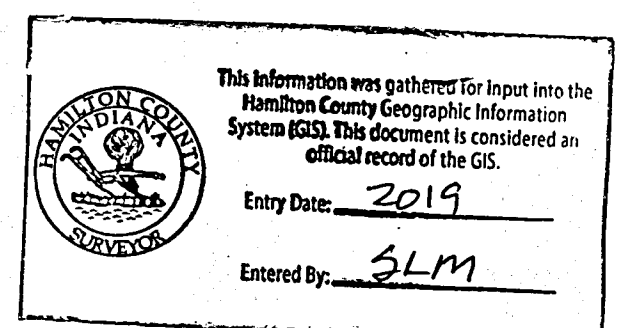


	<p>THIS DRAWING IS NOT INTENDED TO BE A REGIONAL PROFESSIONAL SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.</p> <p>CERTIFIED: 09/30/17</p> <p><i>David J. Stoepelwerth</i></p>
<p>STOEPPELWERTH</p> <p>ALWAYS ON</p> <p>7965 East 106th Street, Fishers, IN 46038-2505 Phone: 317.848.2505 Fax: 317.848.2542</p>	<p>HAMILTON COUNTY, INDIANA</p>
<p>STORM PLAN & PROFILE</p> <p>WILSHIRE SECTION 2</p>	<p>WESTFIELD, WASHINGTON TWP.</p>
<p>DRAWN BY: PDR CHECKED BY: BKR</p> <p>SHEET NO. C600A</p> <p>S & A JOB NO. 46149-S2</p>	<p>AS-BUILTS - SIGNS 11/01/18 REVISIONS PER TAC COMMENTS</p> <p>DATE MARK</p>

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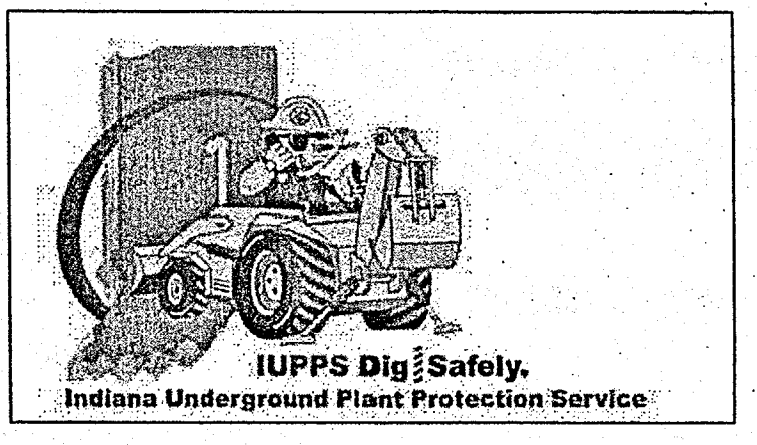
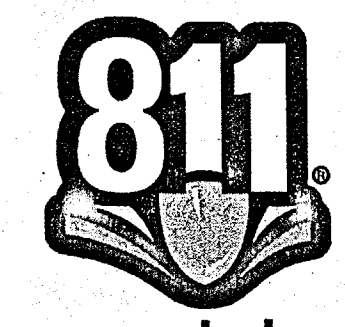
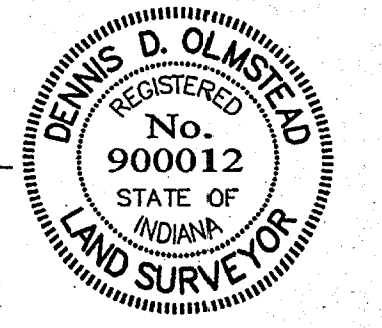


- NOTES:
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 11. ALL STREET TREES ARE TO MATCH THE CURRENT CITY OF WESTFIELD MASTER TREE LIST.
 12. CONTRACTOR TO CORE DRILL EXISTING STRUCTURES, AS NOTED, TO INSTALL PROPOSED 6" SSD.



RECORD DRAWING

D.O.
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 8/16/18



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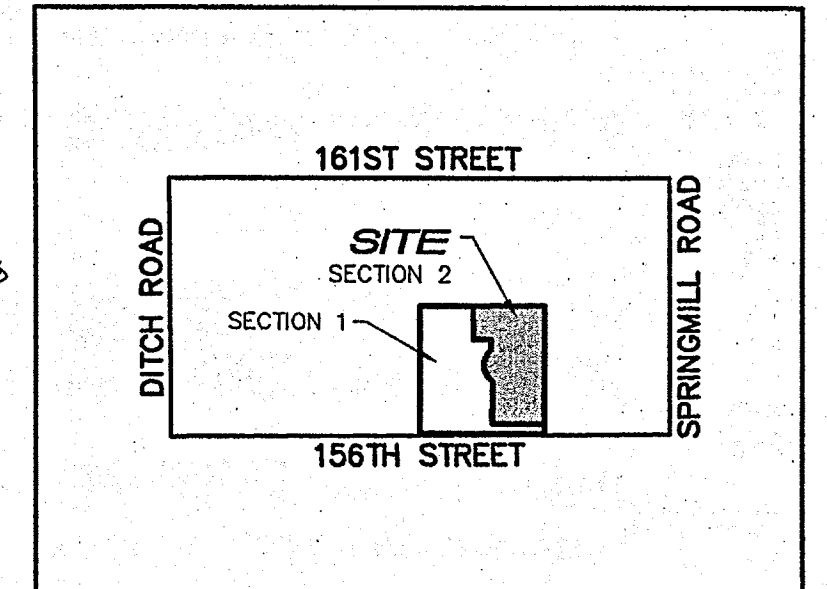
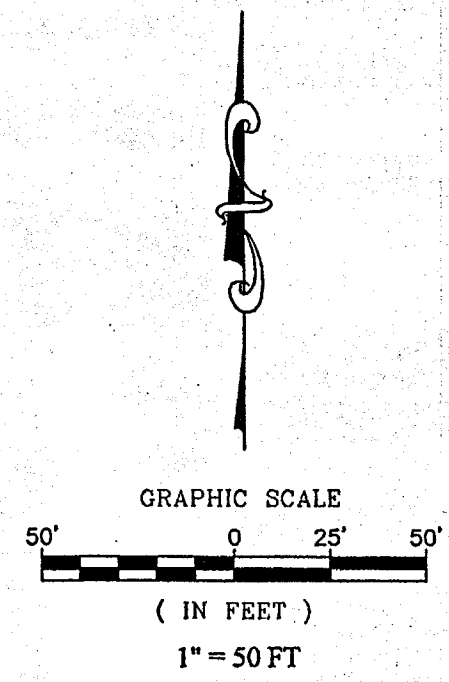
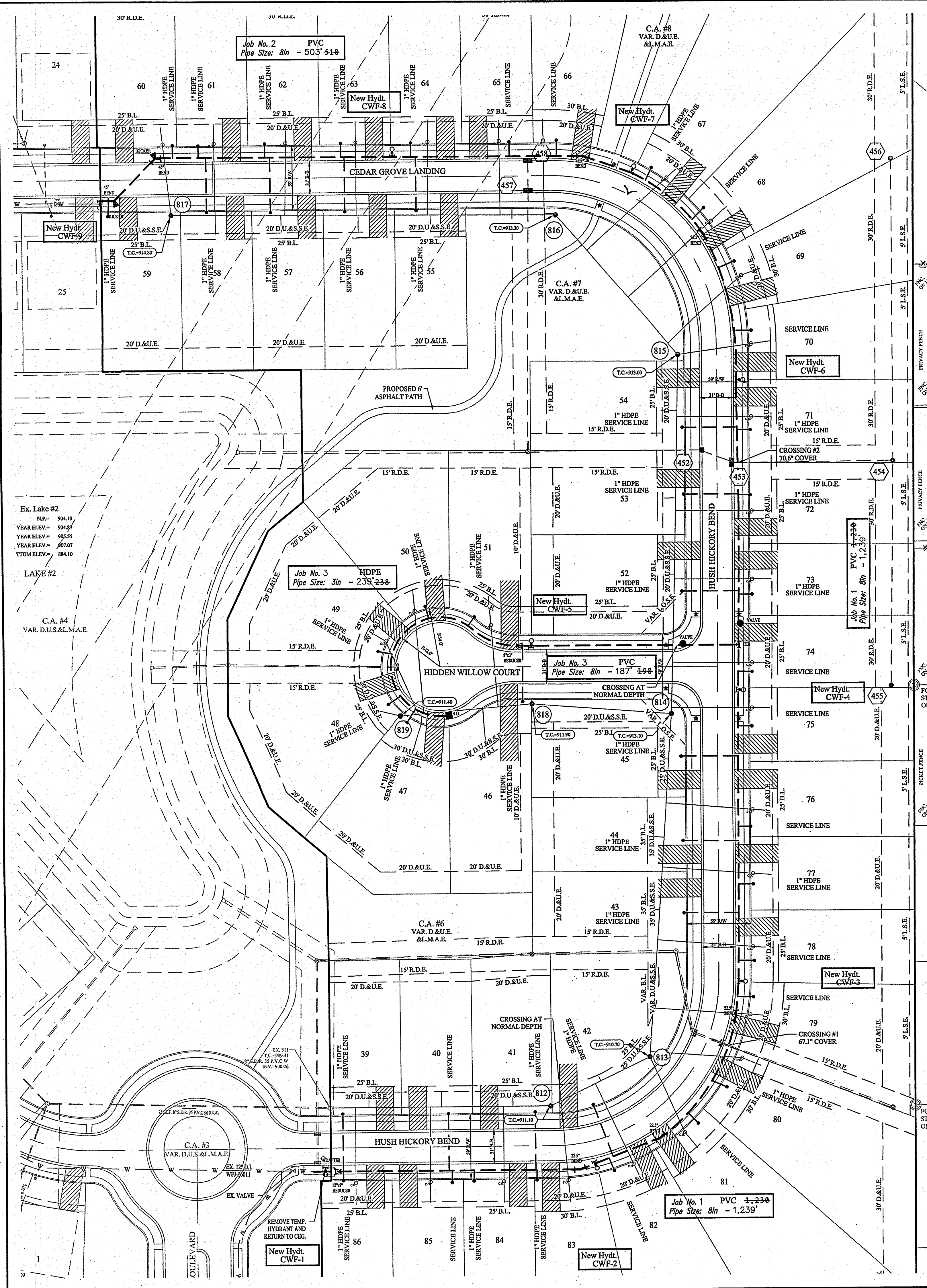
CERTIFIED: 09/30/17
 David J. Stoepelwerth
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA

STOEPPELWERTH
 ALWAYS ON
 7945 East 104th Street, Fishers, IN 46038-2505
 phone: 317.846.5935 fax: 317.846.5942

SUB-SURFACE DRAIN/SUMP CONNECTION PLAN
 WILSHIRE SECTION 2
 HAMILTON COUNTY, INDIANA
 WESTFIELD, WASHINGTON TWP.

AS-BUILTS	DATE	MARK	BY
REVISED PER TAC COMMENTS			
PDR			
FCV			

DRAWN BY: PDR
 CHECKED BY: BKR
 SHEET NO: C601
 84-A-000-NO: 46149-S2



Project Location
Scale: 1" = 200'

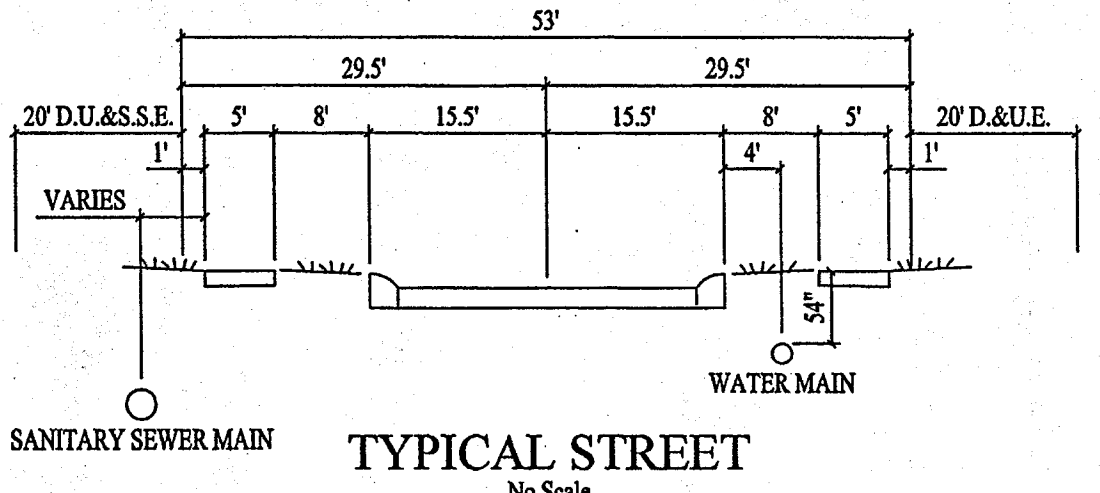
- LEGEND**
- EXISTING WATER LINE
 - EXISTING SANITARY SEWER
 - X— EXISTING STORM SEWER
 - EXISTING HYDRANT
 - X— EXISTING VALVE
 - PROPOSED SANITARY SEWER
 - X— PROPOSED STORM SEWER
 - PROPOSED WATER LINE
 - HYDRANT
 - HYDRANT w/ VALVE
 - VALVE
 - T.J. SLEEVE
 - M.J. SLEEVE
 - ADAPTER
 - BEND
 - BLOWOFF ASSEMBLY
 - REDUCER
 - KICKER BLOCK
 - PLUG
 - METER PIT & WATER SERVICE LATERAL

- NOTES:**
- SEE CITIZENS WATER STANDARDS, STANDARD PRACTICE, AND ENGINEERING REQUIREMENTS FOR THE INSTALLATION OF WATER MAINS, SERVICE LINES, METERS AND APPURTENANCES LATEST VERSION.
 - MINIMUM COVER OVER TOP OF ALL WATER MAINS TO BE 54" FROM FINISH GRADE.
 - FIRE HYDRANTS SHALL HAVE A STORZ'S CONNECTION INSTALL.
 - VALVES ARE TO BE PLACED IN GRASS.
 - POST CAPS WILL BE INSTALLED ON ALL VALVES.
 - ALL WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 8 FEET OF SEPARATION BETWEEN THE MAIN AND SEWER STRUCTURES AND A MINIMUM OF 10 FEET OF SEPARATION BETWEEN STORM AND SANITARY PIPES.
 - #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 TWO (2) FEET BEHIND THE SIDEWALK.
 - ALL MAIN AND LATERAL ROAD CROSSINGS TO BE FULL-DEPTH GRANULAR BACKFILL.

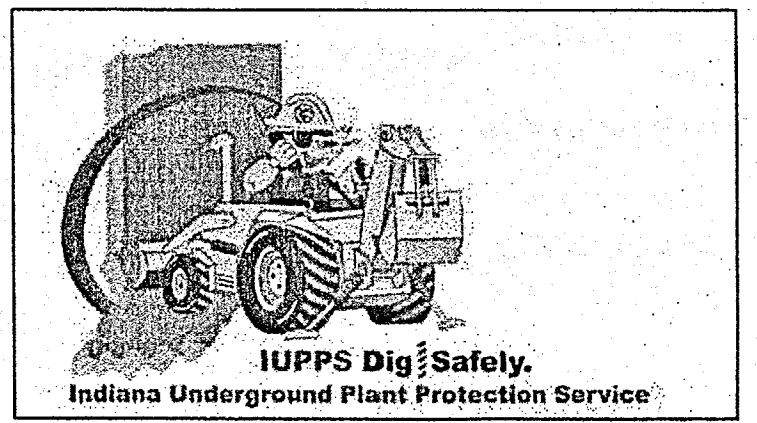
RECORD DRAWING

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Entry Date: 2019
Entered By: SLM

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



Project Name: WILSHIRE, SECTION 2
Project Number: WFJ-18001
Dist. Map No. 2245
Meter Map No. 48
Tax Code 29014
Pressure Dist WESTFIELD
Drafter STOEPPELWERTH/PDR
Date 09/29/17



CITIZENS WESTFIELD WATER PROJECT LEGEND				
Project Name:		WILSHIRE, SECTION 2		
Project Number:		WFJ-18001		
JOB #	Street Name	Pipe Size	Pipe Type	Total Pipe
1	HUSH HICKORY BEND	8"	PVC	1,239'-234"
2	CEDAR GROVE LANDING	8"	PVC	510'-545"
3	HIDDEN WILLOW COURT	8"	PVC	187'-396"
3	HIDDEN WILLOW COURT	3"	HDPE	239'-236"
TOTAL				2,175'-265"
48	SERVICE LINE PIPE	1"	HDPE	1,148'-264"

DRAWN BY: PDR
 CHECKED BY: BKR
 SHEET NO. C700
 S & A JOB NO. 46149-S2
 WESTFIELD, WASHINGTON TWP., HAMILTON COUNTY, INDIANA
 A ALWAYS ON
 7945 East 104th Street, Fishers, IN 46038-2505
 Phone: 317.849.2935 Fax: 317.849.2942
STOEPPELWERTH
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 CERTIFIED: 09/30/17
 David J. Stoepfelwirth

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 Modified / By: August 8, 2018 1:59:43 PM / pwhite
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