



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

August 26, 2016

To: Hamilton County Drainage Board

Re: Williams Creek Drain, Wilshire Section 1 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 1 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 | 843 ft. | 27" RCP | 1,234 ft. |
| 15" RCP | 456 ft. | 30" RCP | 494 ft. |
| 18" RCP | 592 ft. | 33" RCP | 354 ft. |
| 21" RCP | 597 ft. | 6' SSD | 6,329 ft. |
| 24" RCP | 237 ft. | | |

The total length of the drain will be 11,136 feet.

With the development of Wilshire Section 1, Arm 2 of the Charles Osborn Drain from Sta. 0+00 to Sta. 14+00 shall be vacated. The new drainage system will accommodate the drainage area of the original tile. Also to be vacated in the Charles Osborn main open ditch from Sta. 0+00 to 12+00 per the original 1882 legal description. This open ditch is along the edge of pavement of 156th Street and will be filled in. The drainage to this open ditch is being picked up by storm sewer installed with Common Area #1 and #2 of Wilshire, along with some new pipe within the right of way of 156th Street.

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:

Wilshire Boulevard
Maybell Lane
Cedar Grove Landing

Rear Yard SSDs:

Rear yard lots 1 from Str. 405 running east to riser
Rear yard lots 2 & 3 from Str. 405 running west to riser
Rear yard lots 4 to 6 from Str. 415 running south east to riser
Rear yard lots 8 to 11 from Str. 437 to Str. 438
Rear yard lots 13 to 16 from Str. 438 running north to riser
Rear yard lots 17 to 21 from Str. 441 to Str. 435
Rear yard lots 22 to 24 from Str. 435 to Str. 435A
Rear yard lots 25 to 27 from Str. 432 running east to riser
Rear yard lots 28 & 29 from Str. 432 running north to riser
Rear yard lot 32 & 33 from Str. 428 running south to riser
Rear yard lots 34 & 35 from Str. 418 running north west to riser
Rear yard lot 36 to 38 from Str. 418 running south east to riser
Common Area #1 from Str. 408 to Str. 409
Common Area #1 from Str. 408 running west to riser
Common Area #1 from Str. 409 running east to riser

The retention ponds (Lake #1 and Lake #2) located in Common Areas #2 and #4 are not to be considered part of the regulated drain. Pond maintenance assumed by the Drainage Board shall only include the inlets and outlet as part of the regulated drain. The maintenance of the retention ponds (lakes) such as sediment removal and erosion control along the banks, mowing and aquatic vegetation maintenance and control will be the responsibility of the Homeowners Association. The Board will retain jurisdiction for ensuring the storage volume for which the pond was designed will be retained. Thereby, allowing no fill or easement encroachments.

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 \$2,850.30.

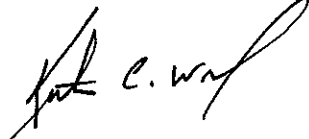
In accordance with IC 36-7-4-709, the petitioner did not submit surety for the proposed drain prior to construction commencing. If the petitioner/developer wants to submit final secondary plat for recording prior to the final inspection and approved as-built drawings, a bond will be required at that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

The off-site easement for Str. 410 shall be the platted existing regulated drain easement for Crosswind Commons Section 2 Arm of the Williams Creek Drain. This easement is on parcel 08-09-10-00-02-024.000, owned by Linda L. White, which is lot 58 of Crosswind Commons. The easement is shown on the secondary plat for Crosswind Commons Section 2 at recorded in the office of the Hamilton County Recorder as instrument number 9809802448.

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 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for October 24, 2016.

A handwritten signature in black ink, appearing to read "Kenton C. Ward". The signature is written in a cursive style with a large, looping initial "K".

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

JUL 22 2016

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

OFFICE OF HAMILTON COUNTY SURVEYOR

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

In the matter of Wilshire Subdivision, Section
1 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 1, 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.

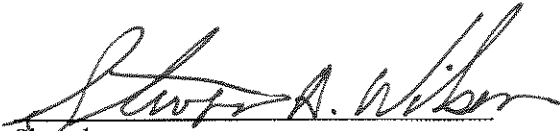
The Petitioner also agrees to the following:

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

July 15, 2016
DATE

SIGNED

PRINTED NAME

DATE

SIGNED

PRINTED NAME

DATE

SIGNED

PRINTED NAME

DATE

FINDINGS AND ORDER

CONCERNING THE PARTIAL VACATION OF THE

Williams Creek Drain, Osborn & Collins No. 2 Arm

Charles Osborn Arm 2 Drain from Station 0+00 to Station 14+00

Charles Osborn Open Ditch from Station 0+00 to Station 12+00

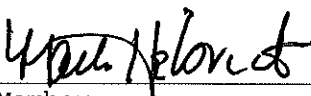
On this 24th day of October, 2016, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the Williams Creek Drain, Osborn & Collins No. 2 Arm, Charles Osborn Arm 2 Drain from Station 0+00 to Station 14+00 and Charles Osborn Open Ditch from Station 0+00 to Station 12+00.

Evidence has been heard. Objections were presented and considered. The Board then adopted an order of action. The Board now finds that the costs of continued maintenance to the portion of the above drain exceed the benefits to the real estate benefited by the portion of the drain to be abandoned and issues this order vacating the above section of the Williams Creek Drain, Osborn & Collins No. 2 Arm, Charles Osborn Arm 2 Drain from Station 0+00 to Station 14+00 and Charles Osborn Open Ditch from Station 0+00 to Station 12+00.

HAMILTON COUNTY DRAINAGE BOARD



President




Member



Member

Attest.



FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Williams Creek Drain, Wilshire Section 1 Arm

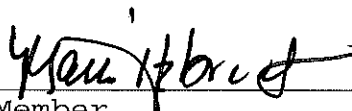
On this 24th day of October, 2016, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Williams Creek Drain, Wilshire Section 1 Arm*.

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.

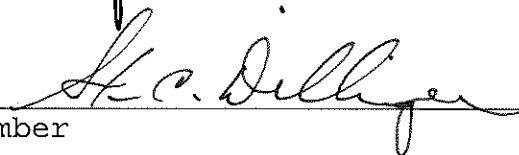
HAMILTON COUNTY DRAINAGE BOARD



President

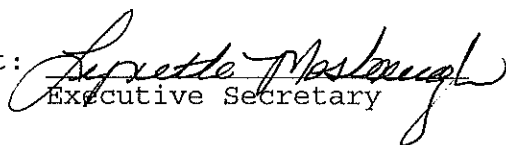


Member



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

August 22, 2016

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

Attention: Mr. John Rankin

Re: Wilshire, Section 1

FILED

AUG 29 2016

OFFICE OF HAMILTON COUNTY SURVEYOR

Dear Mr. Rankin:

On behalf of the developer Steven A. Wilson, Inc., please accept this Engineer's Estimate for Wilshire, Section 1. The estimate is as follows:

| Description | Quantity | Unit | Unit Price | Contract Amount |
|------------------------------|----------|------|------------|---------------------|
| Sanitary Sewer | | | | |
| 8" SDR-35 Main | 1,937 | LF | | \$57,762.46 |
| 6" SDR-35 | 1,946 | LF | | \$36,746.64 |
| 8" x 6" SDR-26 Tee Wye | 38 | EA | | \$6,715.75 |
| Standard Manholes | 11 | EA | | \$31,524.56 |
| Core Existing | 1 | EA | | \$2,184.45 |
| Concrete Cradle | 1 | EA | | \$672.32 |
| Main Backfill, Fill Sand | 716 | TN | | \$13,754.40 |
| Lateral Backfill, Fill Sand | 669 | TN | | \$12,839.41 |
| Sanitary Sewer Totals | | | | \$162,199.99 |
| Storm Sewer | | | | |
| 12" RCP | 843 | LF | | \$28,567.69 |
| 15" RCP | 473 | LF | | \$17,533.26 |
| 18" RCP | 600 | LF | | \$26,203.03 |
| 21" RCP | 597 | LF | | \$31,239.57 |
| 24" RCP | 245 | LF | | \$14,059.58 |
| 27" RCP | 1,243 | LF | | \$77,324.36 |
| 30" RCP | 494 | LF | | \$31,669.67 |
| 36" RCP | 354 | LF | | \$30,269.06 |
| 12" Flared End Section | 2 | EA | | \$2,272.50 |
| 15" Flared End Section | 2 | EA | | \$2,312.42 |
| 18" Flared End Section | 2 | EA | | \$2,445.48 |
| 21" Flared End Section | 2 | EA | | \$2,658.38 |
| 27" Flared End Section | 3 | EA | | \$5,125.26 |

LAND DEVELOPMENT SUPPORT SOLUTIONS

ENGINEERING | SURVEYING

| | | | |
|--------------------------|-----|----|-------------|
| 30" Flared End Section | 1 | EA | \$2,022.86 |
| 36" Flared End Section | 1 | EA | \$2,169.23 |
| Rip-Rap | 183 | TN | \$7,054.23 |
| Curb Inlets | 4 | EA | \$6,944.55 |
| Curb Inlet in Manhole | 4 | EA | \$9,439.76 |
| Manhole | 5 | EA | \$10,737.42 |
| Ditch Inlet | 6 | EA | \$9,975.52 |
| Ditch Inlet in Manhole | 9 | EA | \$27,092.11 |
| Double Curb Inlet | 7 | EA | \$22,073.68 |
| Fill Sand Backfill - RCP | 85 | TN | \$1,519.06 |
| Debris Guard, 12" | 1 | EA | \$873.30 |
| Debris Guard, 21" | 2 | EA | \$2,018.05 |

Storm Sewer Total \$373,600.03

Subsurface Drains

| | | | |
|--------------------------|-------|----|-------------|
| Street SSD, 6" Dual Wall | 4,140 | LF | \$29,950.00 |
| Swale SSD, 6" Dual Wall | 3,580 | LF | \$27,950.00 |
| 4 Inch Lot Services | 42 | EA | \$3,000.00 |
| Cleanouts | 21 | EA | \$4,000.00 |

Sub Surface Drains Total \$64,900.00

Water Mains

| | | | |
|--|-------|----|-------------|
| 12" HDPE | 110 | LF | \$14,209.03 |
| 8" C-900 | 410 | LF | \$8,010.56 |
| 12" C-900 | 1,930 | LF | \$77,639.89 |
| 12" Ductile Iron | 120 | LF | \$5,205.92 |
| 8" Gate Valve Assembly | 2 | EA | \$2,818.97 |
| 12" Gate Valve Assembly | 5 | EA | \$10,681.03 |
| Fire Hydrant Assembly on 8" | 2 | EA | \$9,011.10 |
| Fire Hydrant Assembly on 12" | 8 | EA | \$34,908.10 |
| Main Backfill, Fill Sand | 316 | TN | \$5,684.50 |
| Main Bedding, Fill Sand | 981 | TN | \$15,993.03 |
| Connect to 2 Existing 12" Mains | 1 | LS | \$2,721.40 |
| Restoration of South Side 156th Street | 2,200 | SY | \$4,692.77 |
| Repare Pavement at Water Tie In | 1 | LS | \$3,595.76 |

Service Lines

| | | | |
|----------------------------------|-------|----|-------------|
| 1" Water Service Lines | 1,250 | LF | \$35,150.63 |
| 24" Meter Pit and Casting | 38 | EA | \$25,883.78 |
| Service Line Backfill, Fill Sand | 204 | TN | \$3,893.53 |

Water Mains Total \$260,100.00

Site Concrete



Westfield Public Works
 August 22, 2016
 Page 3 of 3

| | | | |
|----------------------------|-------|----|-------------|
| 2' Roll Curb, Machine Pour | 4,680 | LF | \$39,600.00 |
| 5' Wide Sidewalk, 4" Thick | 497 | SY | \$31,500.00 |

Curb Total \$71,100.00

Pavement

| | | | |
|--------------------------|-------|----|--------------|
| Onsite Pavement | 1 | LS | \$162,307.46 |
| Lime Stabilized Subgrade | 8,780 | SY | \$32,921.11 |
| Right-of-Way Paving | 1 | LS | \$61,592.54 |
| Lime Stabilized Subgrade | 1,546 | SY | \$5,778.89 |
| 8 Foot Wide Path | 1 | LS | \$26,488.34 |
| Lime Stabilized Subgrade | 1,360 | SY | \$5,083.63 |
| 6 Foot Wide Path | 1 | LS | \$13,811.66 |
| Lime Stabilized Subgrade | 690 | SY | \$2,516.38 |

Paving Total \$310,500.01

Erosion Control

| | | | |
|------------------------------|--------|----|-------------|
| Perimeter Silt Fence | 4,790 | LF | \$6,398.44 |
| Swale Silt Fence | 8,900 | LF | \$11,888.54 |
| Curb Inlet Protection | 18 | EA | \$3,854.42 |
| Area Inlet Protection | 13 | EA | \$1,183.09 |
| Temporary Seeding with Mulch | 24 | AC | \$30,835.35 |
| Permanent Seeding with Mulch | 41,237 | SY | \$19,762.96 |
| Erosion Blanket (S150) | 16,315 | SY | \$20,377.20 |

Erosion Control Total \$94,300.00

Grand Total \$963,100.00

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

Very truly yours,

STOEPPELWERTH & ASSOCIATES, INC.



David J. Stoepfelwerth

Cc: Steve Wilson

BKR/meb

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BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Williams Creek Drain, Wilshire Section 1 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 1 Arm** on **October 24, 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

Williams Creek Drain, Wilshire Section 1 Arm

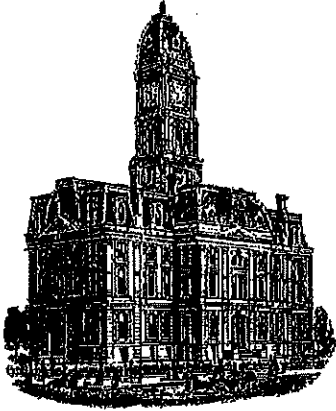
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on October 24, 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

April 11, 2017

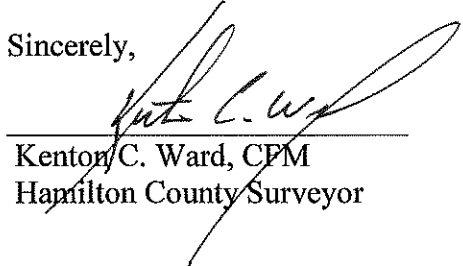
Re: Williams Creek Drain: Wilshire Sec. 1 Arm

Attached are as-built, certificate of completion & compliance, and other information for Wilshire Section 1. 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 August 26, 2016. The report was approved by the Board at the hearing held October 24, 2016. (See Drainage Board Minutes Book 17, Pages 159-162) The changes are as follows: the 12" RCP was shortened from 843 feet to 841 feet. The 15" RCP was lengthened from 456 feet to 457 feet. The 18" RCP was shortened from 592 feet to 590 feet. The 21" RCP was lengthened from 597 feet to 600 feet. The 24" RCP was lengthened from 237 feet to 239 feet. The 27" RCP was shortened from 1,234 feet to 1,232 feet. The 30" RCP was lengthened from 494 feet to 744 feet. The 33" RCP was shortened from 354 feet to 106 feet. The 6" SSD was lengthened from 6,329 feet to 7,672 feet. The length of the drain due to the changes described above is now **12,481 feet**. The Charles Osborn main open ditch from Sta. 0 to Sta. 12+00 and Arm 2 from Sta. 0 to Sta. 14+00 were removed. Therefore, 9,881 feet of drain was added to the overall watershed length.

The non-enforcement was approved by the Board at its meeting on October 24, 2016 and recorded under instrument #2017013932. In accordance with IC 36-7-4-709, the petitioner did not submit surety for the drain prior to construction. 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: Wilshire, Section 1

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: March 1, 2017

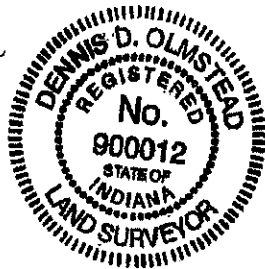
Type or Print Name: Dennis D. Olmstead - Stoeppelwerth & Associates, Inc.

Business Address: 7965 East 106th Street

Fishers, Indiana 46038

Telephone Number: (317) 570-4700

SEAL



INDIANA REGISTRATION NUMBER

900012

WILSHIRE SECTION 1

WILSHIRE, SECTION 1

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:

Beginning at the Southwest corner of said Quarter-Quarter Section; thence North 00 degrees 00 minutes 15 seconds East along the West line of said Quarter-Quarter Section 1,308.83 feet; thence North 89 degrees 33 minutes 09 seconds East 552.41 feet; thence South 00 degrees 26 minutes 51 seconds East 150.00 feet; thence North 89 degrees 33 minutes 09 seconds East 2.46 feet; thence South 00 degrees 26 minutes 51 seconds East 199.00 feet; thence North 89 degrees 33 minutes 09 seconds East 180.89 feet; thence South 00 degrees 26 minutes 51 seconds East 114.57 feet; thence South 50 degrees 59 minutes 27 seconds West 41.90 feet; thence South 25 degrees 35 minutes 52 seconds West 87.41 feet; thence South 00 degrees 12 minutes 17 seconds East 87.41 feet; thence South 50 degrees 34 minutes 52 seconds East 67.95 feet; thence South 00 degrees 20 minutes 18 seconds East 291.66 feet; thence South 89 degrees 39 minutes 42 seconds West 9.36 feet; thence South 00 degrees 20 minutes 18 seconds East 140.00 feet; thence North 89 degrees 39 minutes 42 seconds East 249.88 feet; thence North 77 degrees 12 minutes 31 seconds East 85.63 feet; thence North 59 degrees 08 minutes 54 seconds East 101.55 feet; thence North 41 degrees 05 minutes 17 seconds East 166.82 feet; thence South 68 degrees 52 minutes 25 seconds East 12.84 feet; thence South 00 degrees 12 minutes 17 seconds West 290.43 feet to South line of said Quarter-Quarter Section; thence South 89 degrees 39 minutes 42 seconds West along said South line 1,292.86 feet to the place of beginning, containing 22.339 acres, more or less, subject to all legal highways, rights-of-ways, easements, and restrictions of record.

Developed by:
SAW DEVELOPMENT

**739 Keystone Way,
Carmel, Indiana 46032**

Phone: (317) 846-2555

Contact Person: Christopher Wilson

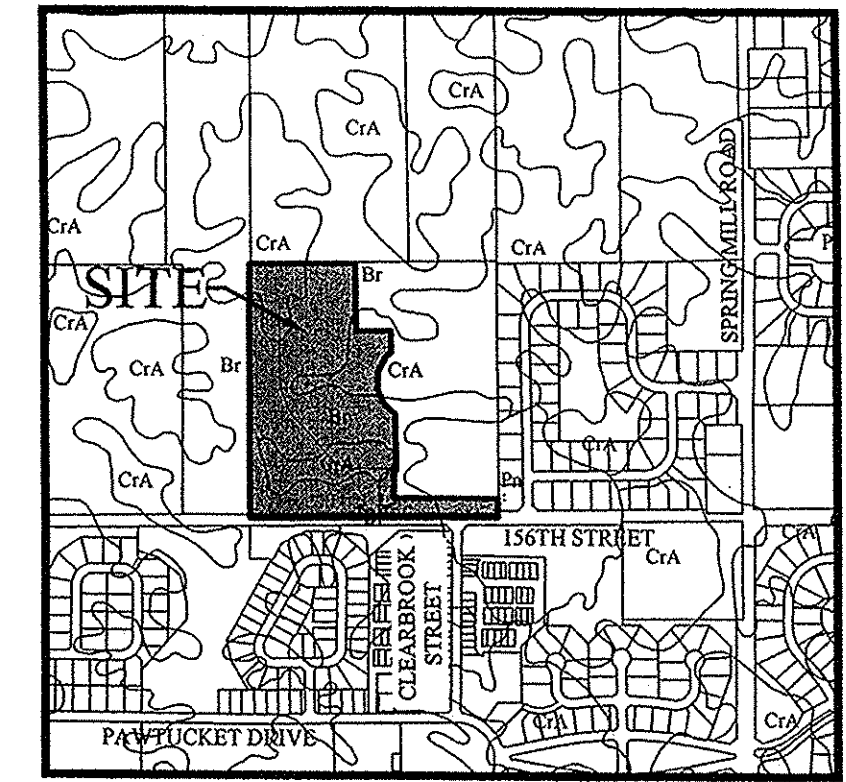
Cell Phone: (317) 590-6601

Email: sawbuilder@aol.com

RECORD DRAWING

COMMON AREAS INDEX

| SECTION | Area |
|---------------------------|------------------------|
| C.A. 1 | 59,561 sq. ft. |
| C.A. 2 | 172,480 sq. ft. |
| C.A. 3 | 2,827 sq. ft. |
| C.A. 4 | 198,246 sq. ft. |
| COMMON AREAS TOTAL | 433,114 sq. ft. |
| | 9.94 acres |



SOILS MAP
SCALE: 1"=1000'

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: Pn - Patton silty clay loam

Pn--Patton silty clay loam
This nearly level, deep, poorly drained soil is in broad depressions and drainageways 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 drainageways 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 substratum, 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 BECOME NECESSARY IN ORDER TO COMPLY WITH THE DETAILED CITY OF WESTFIELD SPECIFICATIONS.

SPEED LIMIT = 20 M.P.H.

DESIGN DATA

38 LOTS
ACERAGE = 22.339 AC±
DENSITY = 1.70 LOTS/ACRE

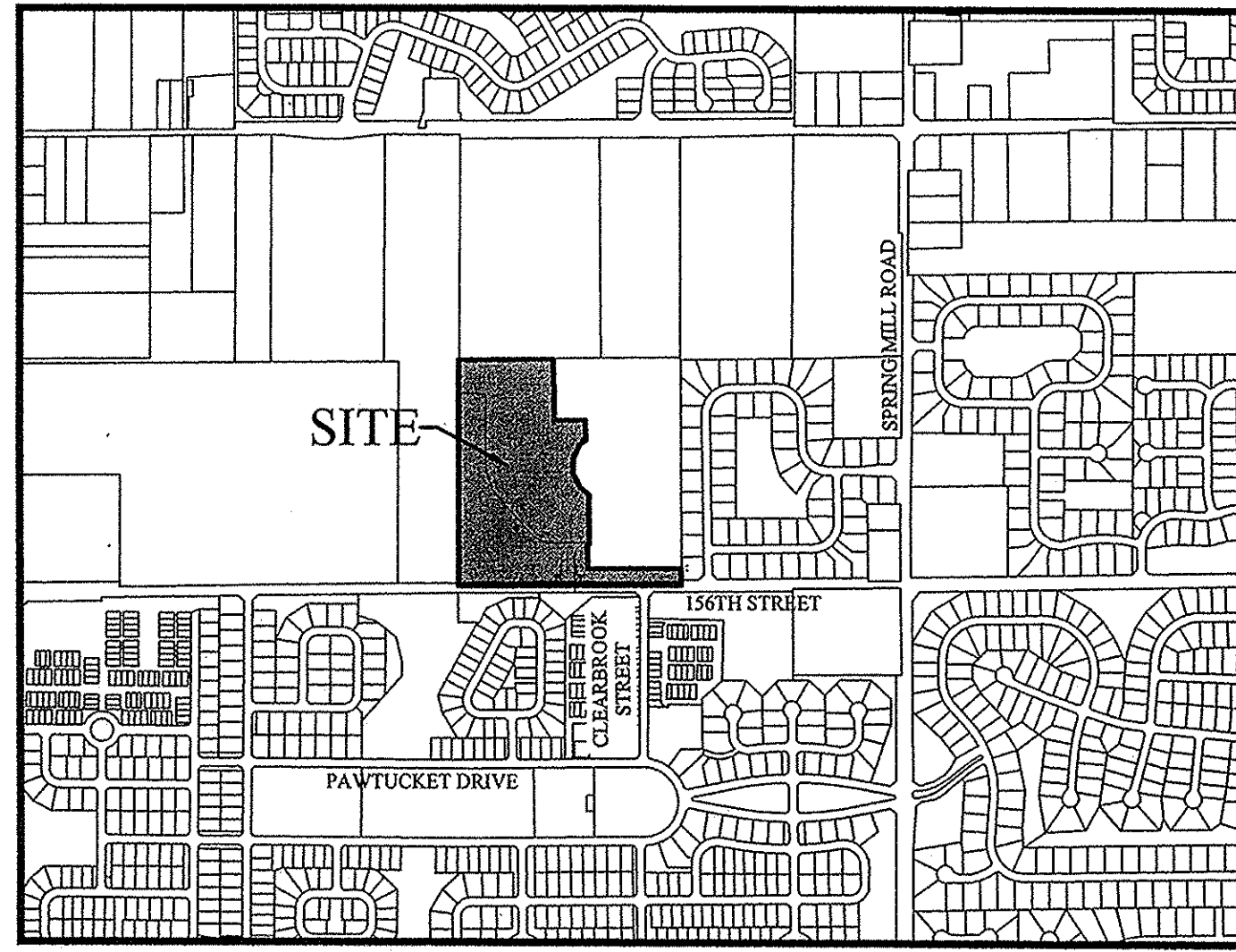
TOTAL C.A. = 9.94 AC±
LAKE AREA = 0.90 AC±
USABLE OPEN SPACE = 6.98 AC± (31.2%)

WILSHIRE BOULEVARD = 269.59 L.F.
MAYBELL LANE = 1237.71 L.F.
CEDAR GROVE LANDING = 659.05 L.F.

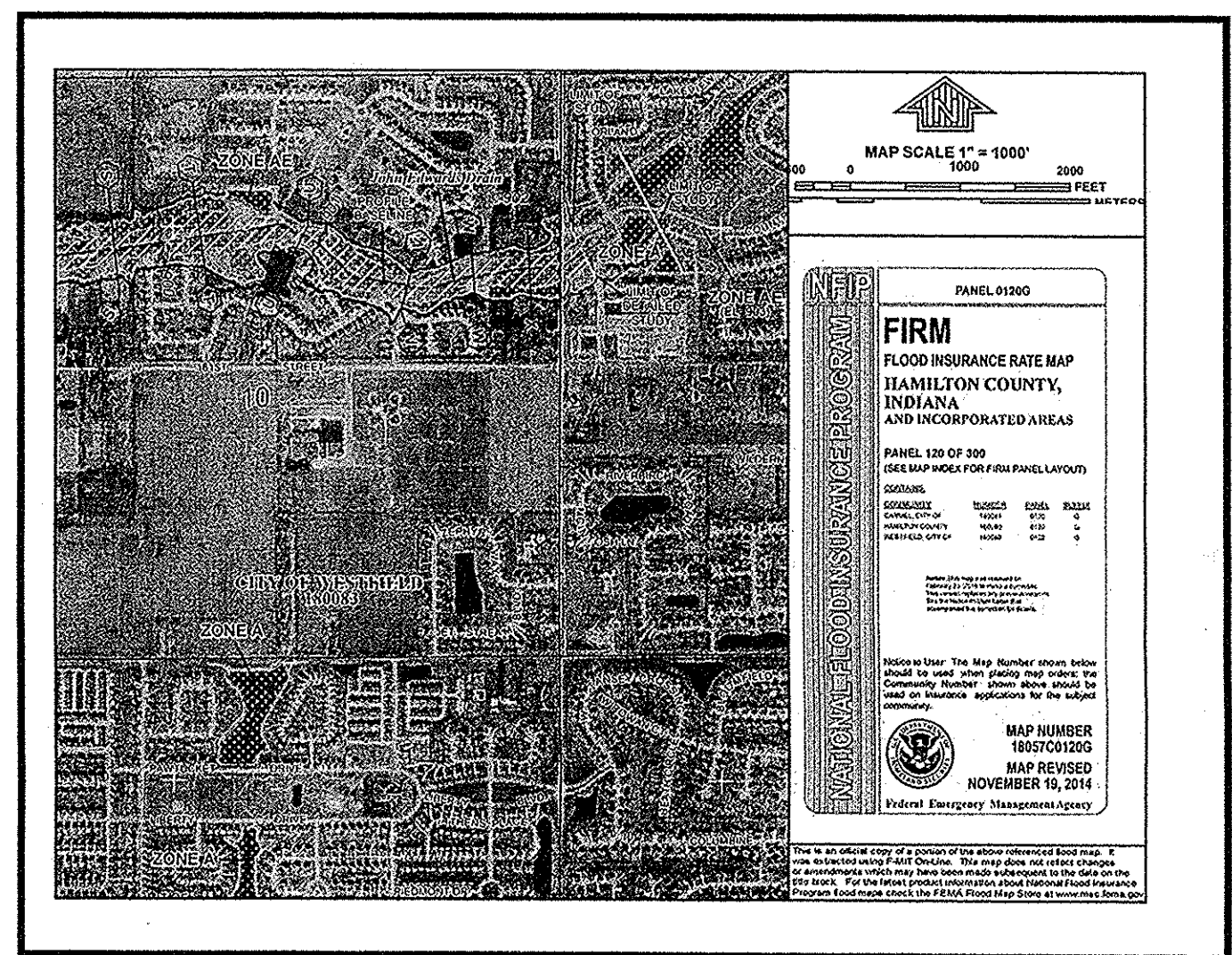
TOTAL STREET LENGTH = 2,166.26 L.F.

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

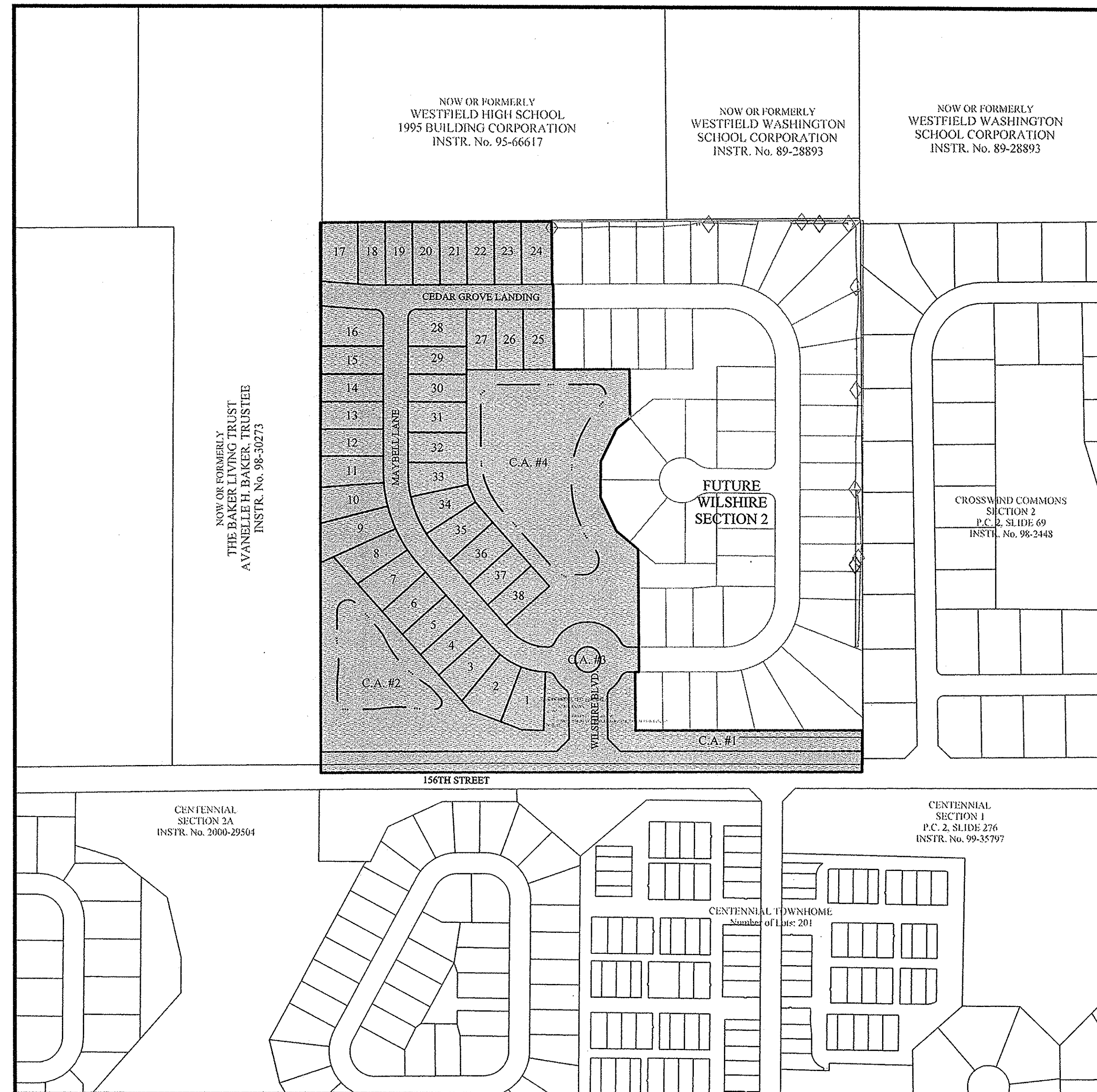
PLANS CERTIFIED BY:
David J. Stoepfelwerth 4/29/16
DAVID J. STOEPPELWERTH
PROFESSIONAL LAND SURVEYOR
NO. 19358



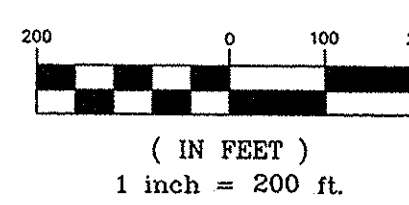
LOCATION MAP
SCALE: 1"=1000'



FLOOD MAP
N.T.S.



GRAPHIC SCALE



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

Citizens Water and Wastewater of Westfield, LLC
2150 Dr. Martin Luther King Drive
Indianapolis, Indiana 46202
Contact: Brandon Carter
Ph: (317) 850-9055

INDEX
DESCRIPTION

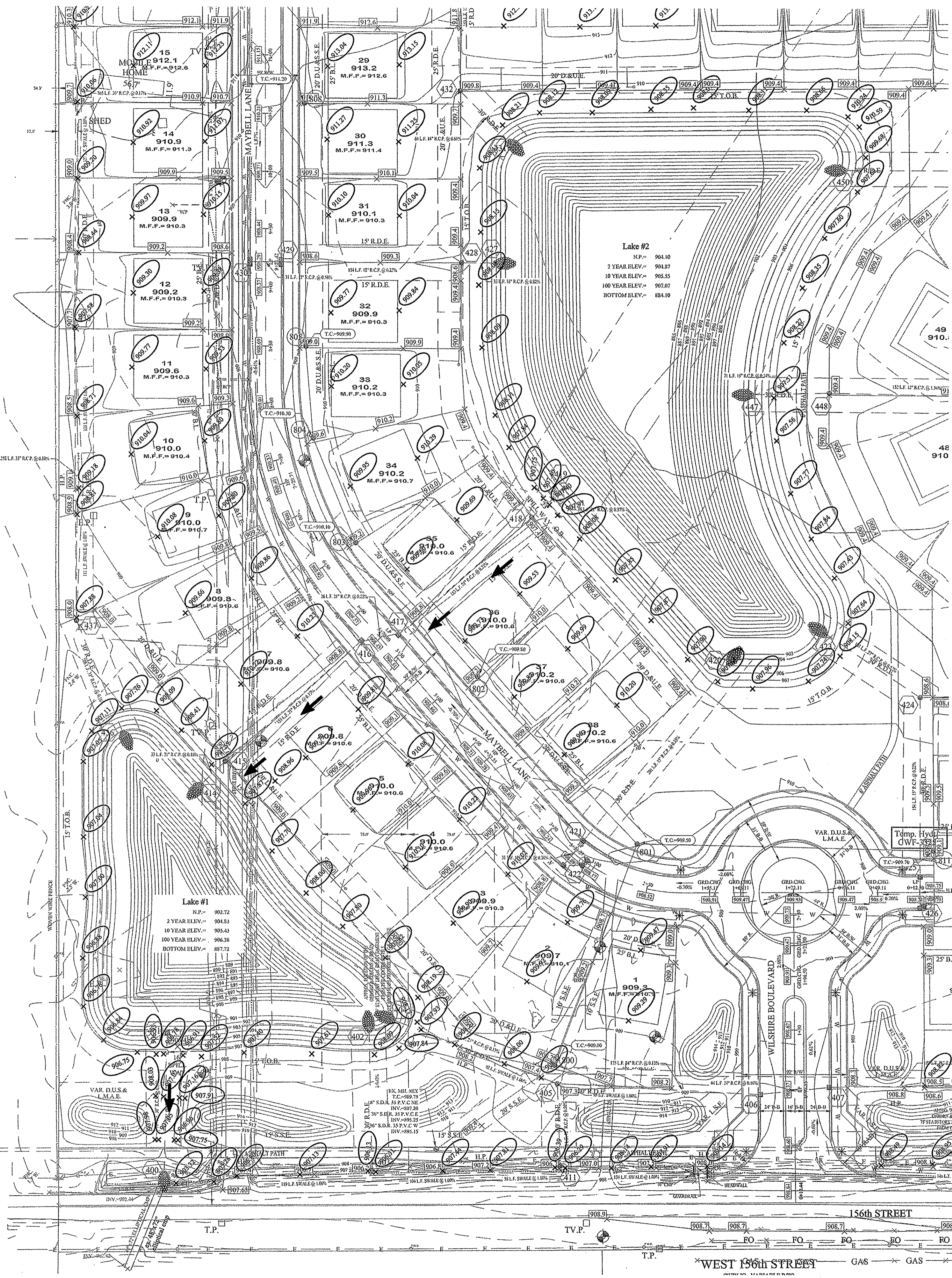
| SHT. | DESCRIPTION |
|-----------|--|
| C001 | COVER SHEET |
| C100 | TOPOGRAPHICAL SURVEY/DEMO PLAN |
| C200-C202 | SITE DEVELOPMENT PLAN |
| C300-C305 | STORMWATER POLLUTION & PREVENTION PLANS & SPECIFICATIONS STREET PLAN & PROFILES/TRAFFIC CONTROL PLAN ENTRANCE PLAN/INTERSECTION DETAIL/STRIPING PLAN/TRAFFIC MAINTENANCE PLAN |
| C400-C407 | SANITARY SEWER PLAN & PROFILES |
| C500-C501 | STORM SEWER PLAN & PROFILES / SUMP PUMP PLAN |
| C700-C702 | WATER PLANS/DETAILS |
| C800-C806 | SPECIFICATIONS |
| L1-L2 | LANDSCAPE PLANS |

REVISIONS
DESCRIPTION

| SHT. | DESCRIPTION |
|---|---|
| ALL | REVISED PER TAC COMMENTS 06/13/16 GEM |
| C200, C300-C301, C400, C403-C404, C600, C603, C700-C701 | REVISED PER COMMENTS 06/22/16 GEM |
| C200-C302, C400-C701 | REVISED PER HAMILTON COUNTY SURVEYORS COMMENTS 07/18/16 GEM |
| C200-C201, C400-C403, C500-C501, C600-C602, C700-C701 | AS BUILTS 02/13/17 CCE |

File Name: S:\46149-S\DWG\C200-Site Development Plan.dwg - C200
 February 16, 2017 2:13:28 PM / cesposito
 Modified / By:
 Plotted / By: February 16, 2017 2:24:36 PM / Christian Esposito

AVANILLE H. BAKER, LICUS LIE
 INSTR. NO. 98-30275

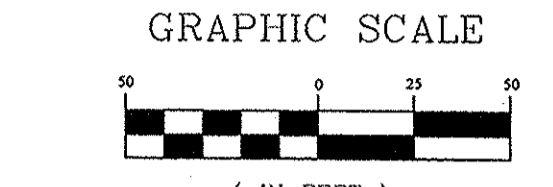


GENERAL NOTES:

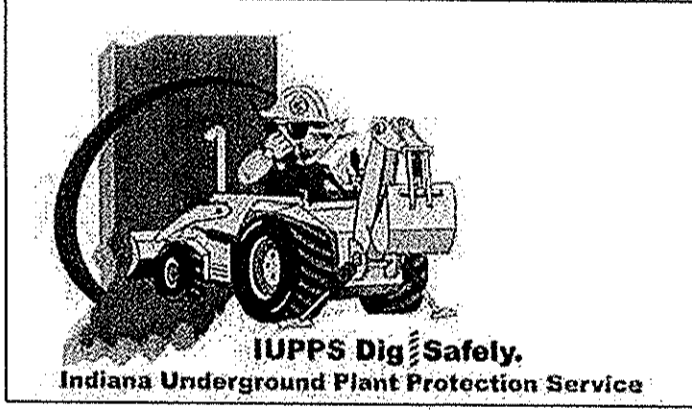
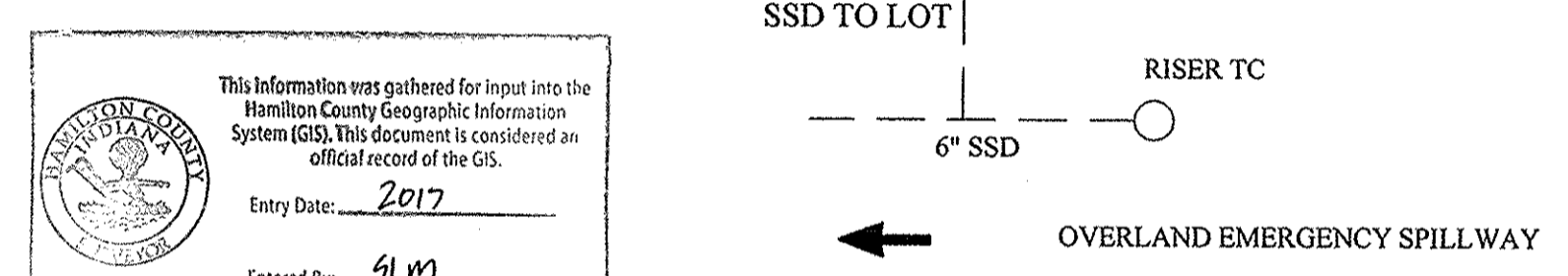
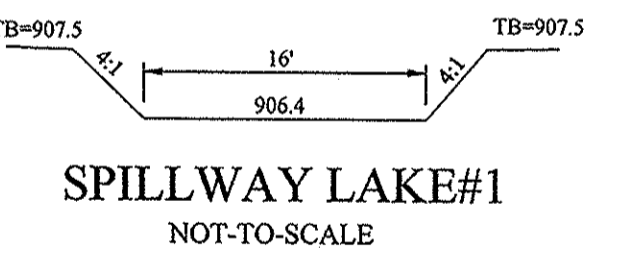
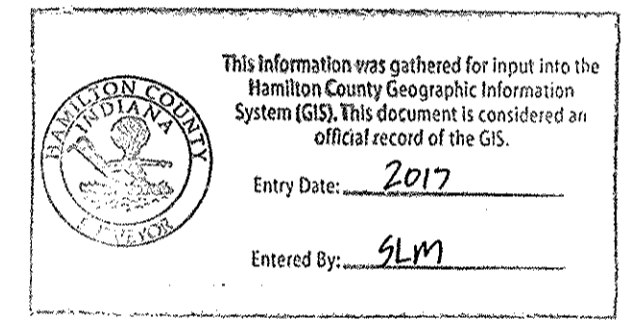
- ALL SSD (SUBSURFACE DRAINS) WILL NEED TO BE 6" DOUBLE WALL SMOOTH BORE PERFORATED (HDPE) PIPE.
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- ALL PADS SHALL BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.
- CONTRACTOR 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.
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- 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.
- UTILITY CROSSINGS UNDER PAVEMENT (BORE/JACK & BORE). AVOID OPEN CUTS.

EARTHWORK:

- EXCAVATION
 - 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.
 - 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.
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 - 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.
 - 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.
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 - 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
 - Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - 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
 - Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - The tolerance for graded 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.
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Know what's below.
 Call before you dig.

RECORD DRAWING

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 2/16/2017



LEGEND

| | |
|-------------|---|
| B.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 |
| R.D.E. | Regulated Drain Easement |
| L.O.S.E. | Line of Sight Easement |
| L.M.A.E. | Landscape Maintenance Access Easement |
| * | 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) |
| - - - - - | LOT NUMBER |
| - - - - - | PAD GRADE |
| - - - - - | MINIMUM FINISH FLOOR |
| - - - - - | PROPOSED 6" UNDERDRAINS |
| - - - - - | 1. MIN. FINISH FLOOR ELEV. FLOOR MUST BE (1) FOOT ABOVE THE NEAREST UPSTREAM OR DOWNSTREAM SANITARY MANHOLE WHICH EVER IS LOWEST. |
| - - - - - | 2. 15" (1.25') ABOVE THE ROAD ELEV. |

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

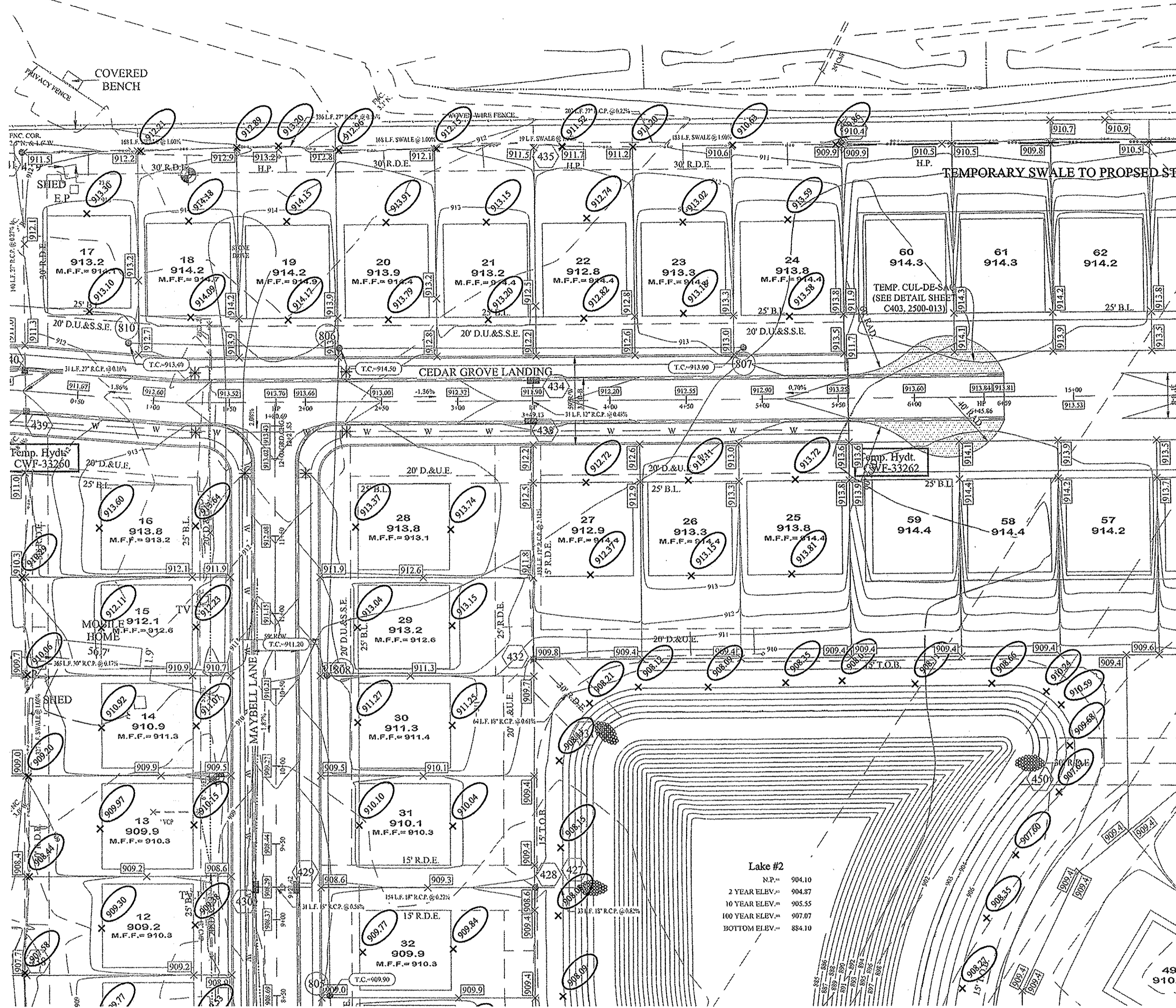
DAVID J. STOEPPELWERTH
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 CERTIFIED: 04/29/16
 David J. Stoepfelwerth

STOEPPELWERTH
 ALWAYS ON
 7465 East 10th Street, Fishers, IN 46038-2805
 Phone: 317.845.5955 Fax: 317.847.5942

SITE DEVELOPMENT PLAN
 WILSHIRE SECTION 1
 WESTFIELD, WASHINGTON TWP. HAMILTON COUNTY, INDIANA

DRAWN BY: KRK
 CHECKED BY: BKR
 SHEET NO. C200
 S & A JOB NO. 46149-S1

NOW OR FORMERLY
WESTFIELD HIGH SCHOOL
1995 BUILDING CORPORATION
INSTR. No. 95-66617



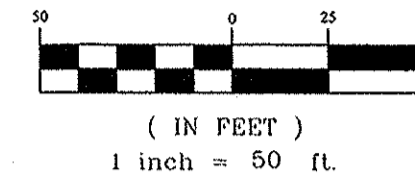
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GRAPHIC SCALE

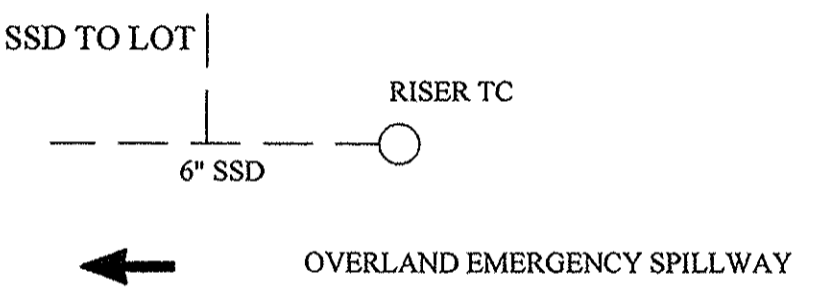


UTILITY CROSSINGS
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- LEGEND
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 - D.U.E. Drainage & Utility Easement
 - D.U.&S.S.E. Drainage, Utility & Sanitary Sewer Easement
 - H.P. High Point
 - L.P. Low Point
 - GRD. CHG. Grade Change
 - M.E. Match Existing
 - R.D.E. Regulated Drain Easement
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- EXISTING CONTOUR
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- EXISTING STORM SEWER
- PROPOSED GRADE
- PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER LINE
- PROPOSED SWALE
- 14 921.5 M.F.F.=921.47
--- PROPOSED 5' SIDEWALK (BY HOME BUILDER) (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)
- PROPOSED 6" UNDERDRAINS

GAR=918.8
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2. 15" (1.25') ABOVE THE ROAD ELEV.



| NO. | DATE | REVISIONS |
|-----|------|-----------|
| | | |

REGISTERED PROFESSIONAL ENGINEER
No. 19358
STATE OF INDIANA
David J. Stappeler
CERTIFIED: 04/29/16

STOEPPELWERTH
ALWAYS ON
7945 East 10th Street, Fishers, IN 46038-2855
phone: 317.295.5955 fax: 317.295.5942

STRUCTURE TABLE

| STR.# | TYPE | T.C. | CASTING TYPE | DIAMETER IN | DIRECTION IN | INV. IN | DIAMETER OUT | DIRECTION OUT | INV. OUT | SLOPE |
|-------|---------------------|--------|--------------|-------------|--------------|---------|--------------|---------------|----------|-------|
| 400 | END SECTION | | | 30 | N | 902.58 | | | | |
| 401 | OUTLET CONTROL STR. | 906.56 | SPECIAL | | | | 30 | S | 902.76 | 0.15% |
| 402 | END SECTION | | | 12 | S | 902.66 | | | | |
| 403 | YARD INLET | 908.86 | R-4342 | | | | 12 | N | 903.19 | 0.43% |
| 404 | END SECTION | | | 27 | E | 902.81 | | | | |
| 405 | YARD INLET | 907.58 | R-4342 | 12 | S | 903.01 | 24 | E | 903.01 | 0.13% |
| 406 | CURB INLET | 908.02 | R-3501-L2 | 24 | E | 903.23 | 24 | W | 903.23 | 0.13% |
| 407 | CURB INLET | 907.98 | R-3501-L2 | 21 | E | 903.35 | 24 | W | 903.35 | 0.16% |
| 408 | YARD INLET | 907.51 | R-4342 | 18 | E | 903.68 | 12 | W | 903.62 | 0.14% |
| 409 | YARD INLET | 908.19 | R-4342 | 12 | E | 904.43 | 12 | W | 904.33 | 0.19% |
| 410 | END SECTION | | | 12 | W | 904.95 | | | | |
| 411 | YARD INLET | 906.37 | R-4342 | 12 | N | 903.41 | | | 903.94 | 0.56% |
| 412 | YARD INLET | 907.02 | R-4342 | 12 | N | 903.94 | | | 904.68 | 0.37% |
| 413 | YARD INLET | 907.10 | R-4342 | 12 | N | 904.68 | | | | |
| 414 | END SECTION | | | 21 | NE | 902.88 | | | | |
| 415 | MANHOLE | 907.50 | R-1772 | 21 | NE | 902.96 | 21 | SW | 902.94 | 0.18% |
| 416 | CURB INLET | 908.02 | R-3501-L2 | 21 | E | 903.28 | 21 | SW | 903.23 | 0.17% |
| 417 | CURB INLET | 908.02 | R-3501-L2 | 21 | NE | 903.42 | 21 | W | 903.36 | 0.22% |
| 418 | MANHOLE | 907.62 | R-1772 | 21 | NE | 903.84 | 21 | W | 903.74 | 0.21% |
| 419 | END SECTION | | | 21 | SW | 903.98 | | | | |
| 420 | END SECTION | | | 15 | SW | 904.06 | | | | |
| 421 | CURB INLET | 908.10 | R-3501-L2 | 12 | SW | 904.80 | 15 | NE | 904.86 | 0.35% |
| 422 | CURB INLET | 908.14 | R-3501-L2 | 12 | NE | 904.89 | | | | |
| 423 | END SECTION | | | 27 | SE | 904.02 | | | | |

STRUCTURE TABLE

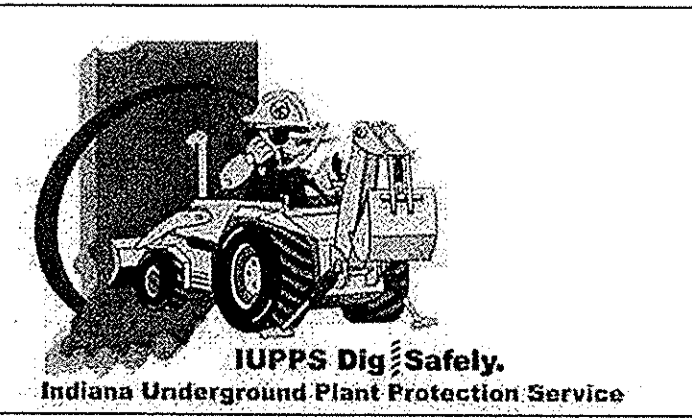
| STR.# | TYPE | T.C. | CASTING TYPE | DIAMETER IN | DIRECTION IN | INV. IN | DIAMETER OUT | DIRECTION OUT | INV. OUT | SLOPE |
|-------|-------------------|--------|--------------|-------------|--------------|---------|--------------|---------------|----------|-------|
| 424 | YARD INLET | 908.86 | R-4342 | 15 | S | 904.63 | 24 | E | 904.68 | 0.57% |
| 425 | CURB INLET | 908.70 | R-3501-L2 | 12 | S | 905.02 | 15 | N | 904.97 | 0.22% |
| 426 | CURB INLET | 908.86 | R-3501-L2 | | | | 12 | N | 905.14 | 0.39% |
| 427 | END SECTION | | | 18 | W | 904.07 | | | | |
| 428 | MANHOLE | 908.83 | R-1772 | 18 | W | 904.44 | | | 904.34 | 0.82% |
| 429 | DOUBLE CURB INLET | 908.36 | R-3501-TR | 15 | W | 903.88 | | | 904.78 | 0.22% |
| 430 | DOUBLE CURB INLET | 908.47 | R-3501-TR-TL | | | | 15 | E | 905.06 | 0.58% |
| 431 | END SECTION | | | | | | | | | |
| 432 | MANHOLE | 910.22 | R-1772 | 12 | N | 904.39 | 18 | SE | 904.29 | 0.61% |
| 433 | DOUBLE CURB INLET | 911.93 | R-3501-TR-TL | 12 | N | 907.73 | 12 | S | 907.63 | 2.11% |
| 434 | DOUBLE CURB INLET | 911.91 | R-3501-TR-TL | | | | 12 | S | 907.88 | 0.48% |
| 435 | YARD INLET | 911.44 | R-4342 | | | | 27 | W | 905.13 | 0.16% |
| 435A | YARD INLET | 910.09 | R-4342 | | | | 27 | W | 905.66 | 0.22% |
| 436 | END SECTION | | | | | | | | | |
| 437 | YARD INLET | 907.92 | R-4342 | 33 | N | 902.98 | 33 | SE | 902.97 | 0.10% |
| 438 | YARD INLET | 907.52 | R-4342 | 30 | N | 903.24 | | | 903.23 | 0.10% |
| 439 | CURB INLET | 911.09 | R-3501-TR | 27 | N | 903.96 | 30 | S | 903.86 | 0.17% |
| 440 | CURB INLET | 911.09 | R-3501-TL | 27 | N | 904.11 | 27 | S | 904.01 | 0.16% |
| 441 | YARD INLET | 911.51 | R-4342 | 27 | E | 904.59 | 27 | S | 904.49 | 0.27% |
| 442 | END SECTION | | | 15 | E | 904.10 | | | | |
| 448 | MANHOLE | 909.21 | R-1772 | 12 | E | 904.44 | 15 | W | 904.34 | 0.34% |
| 449 | DOUBLE CURB INLET | 910.11 | R-3501-TL-TR | | | | 12 | W | 905.48 | 1.34% |
| 450 | END SECTION | | | 27 | E | 904.18 | | | | |
| 451 | YARD INLET | 911.35 | R-4342 | 15 | N | 904.89 | 18 | E | 904.79 | 0.58% |

Hamilton County GIS
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: 2/17
Entered By: SLM

RECORD DRAWING

D.D.O.
Dennis D. Olmstead
Registered Land Surveyor
No. 900012
2/16/2017

REGISTERED LAND SURVEYOR
No. 900012
STATE OF INDIANA



Know what's below.
Call before you dig.

SITE DEVELOPMENT PLAN
WILSHIRE SECTION 1
DRAWN BY: KRK
CHECKED BY: BKR
SHEET NO. C201
S & A JOB NO. 46149-S1

File Name: S:\46149-S1\DWG\C201-Site Development Plan.dwg - C201
Modified: February 16, 2017 2:13:28 PM / vesposito
Plotted: February 16, 2017 2:24:53 PM / Christian Esposito

RECORD DRAWING

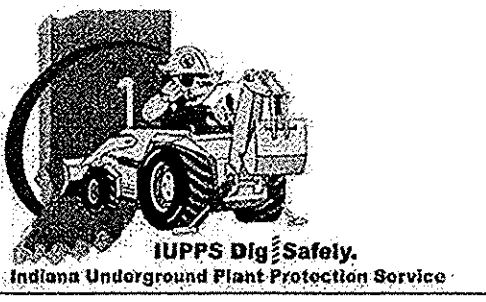
Dennis D. Olmstead
Registered Land Surveyor
No. 900012



| DATE | REVISIONS |
|----------|---------------------------------------|
| 02/13/17 | AS BUILTS |
| 07/18/16 | REVISED PER COUNTY SURVEYORS COMMENTS |
| 06/22/16 | REVISED PER COMMENTS |
| 06/13/16 | REVISED PER TAC COMMENTS |

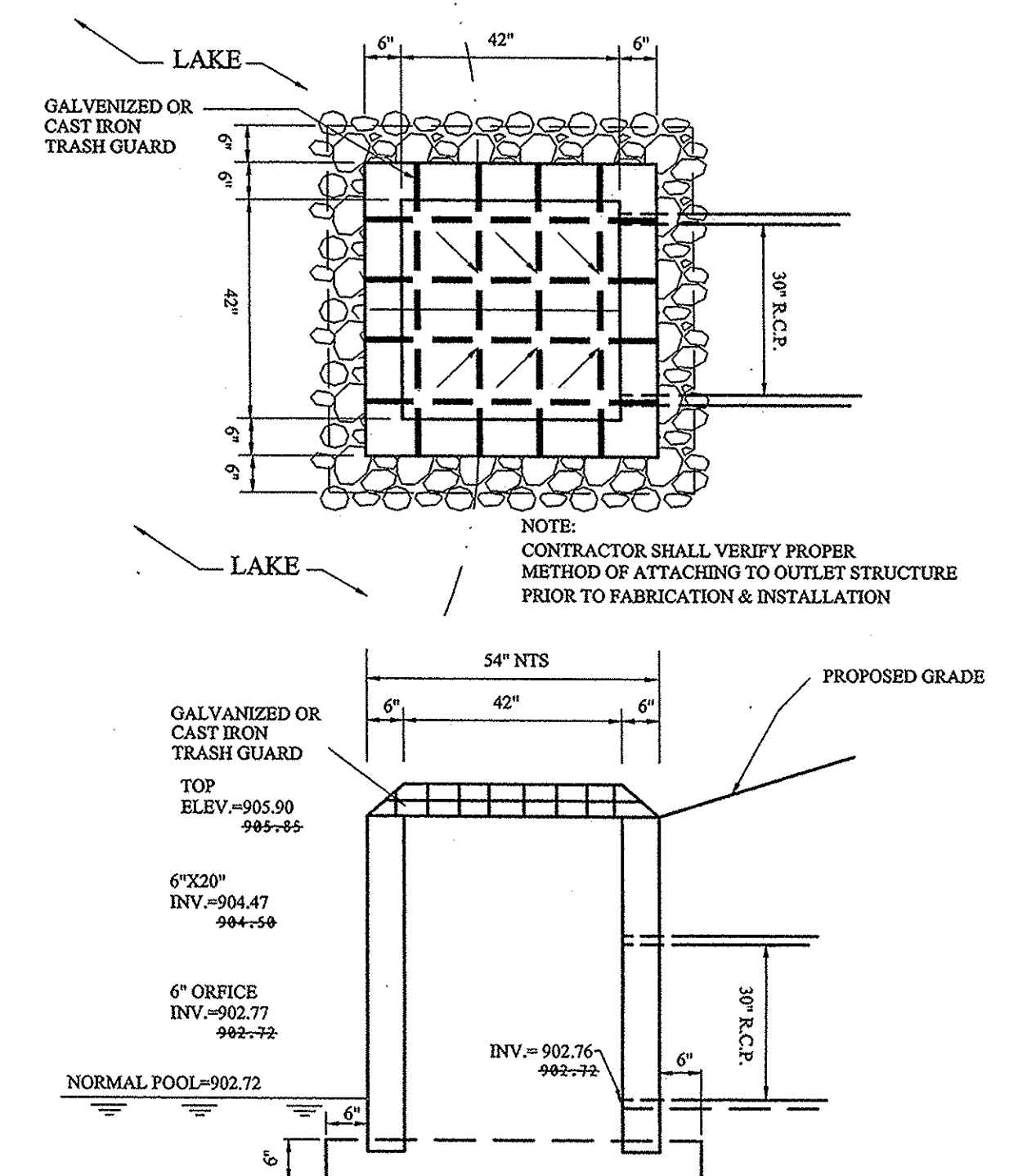
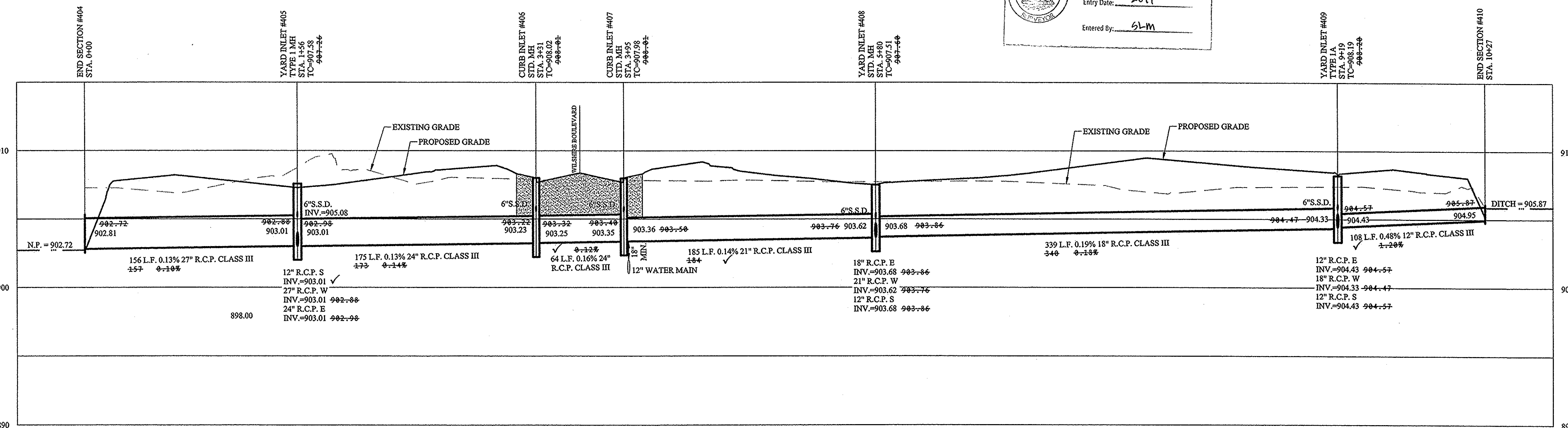
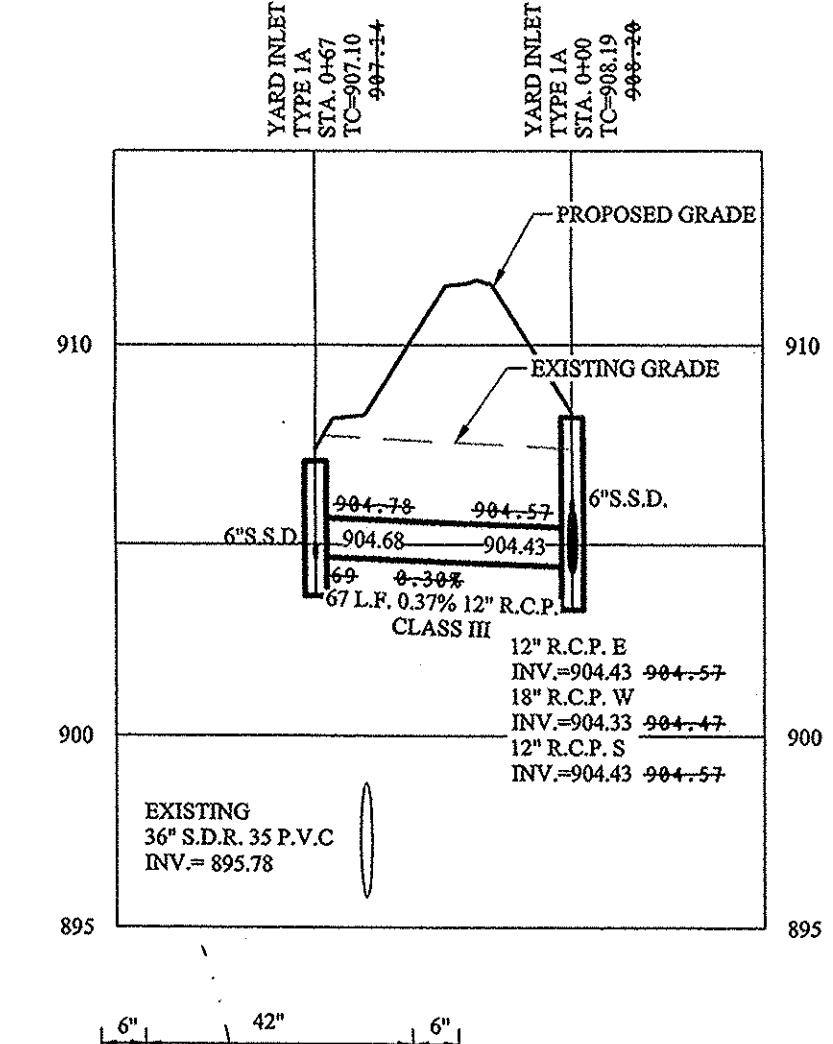
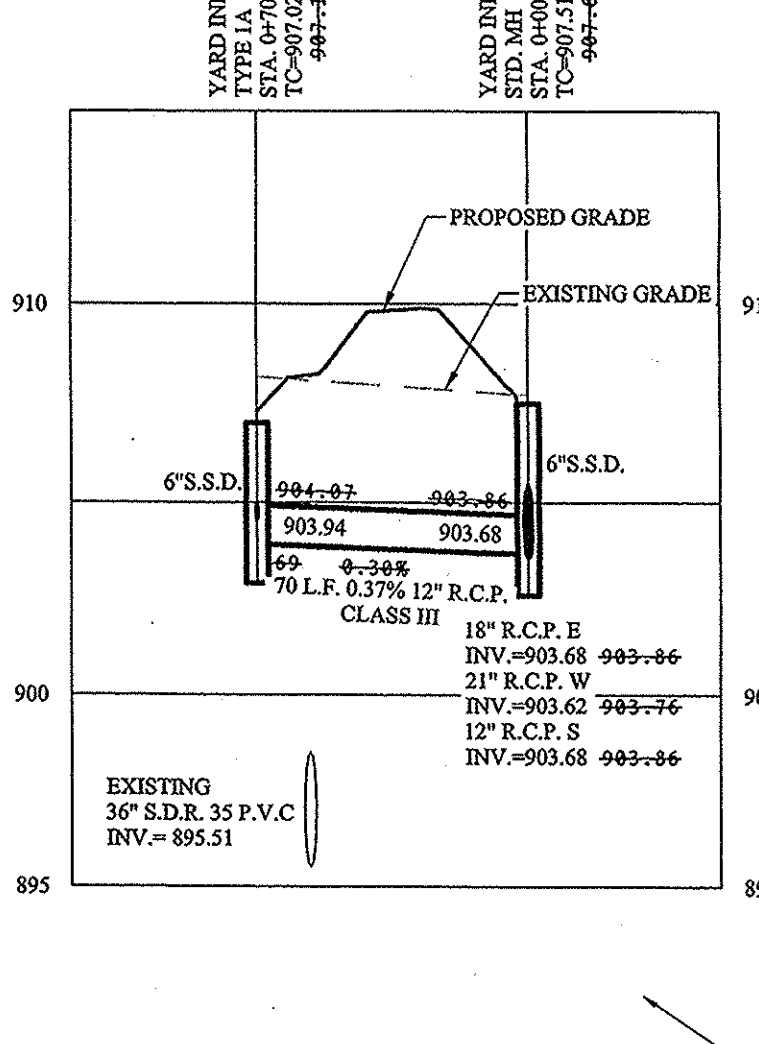
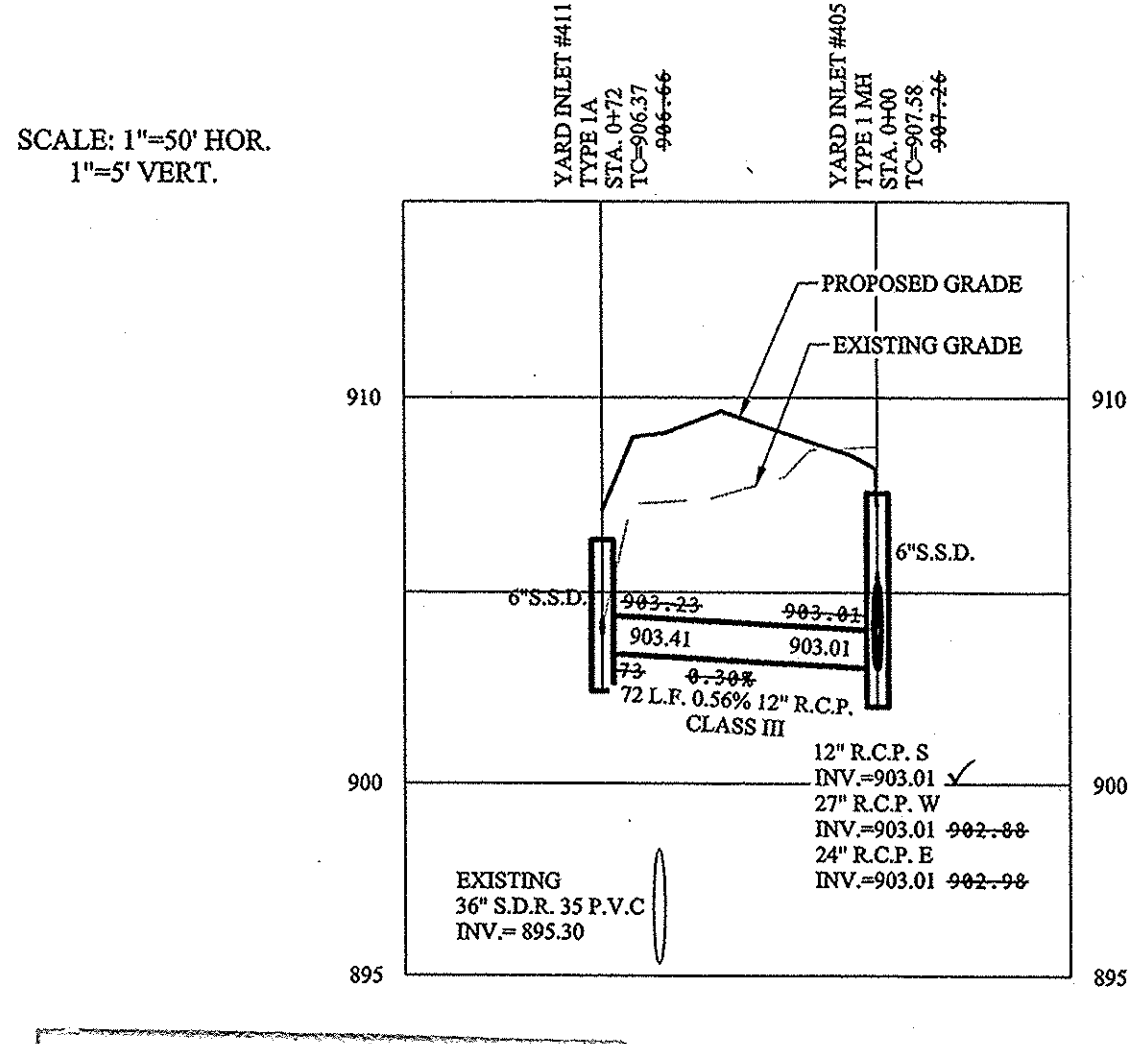
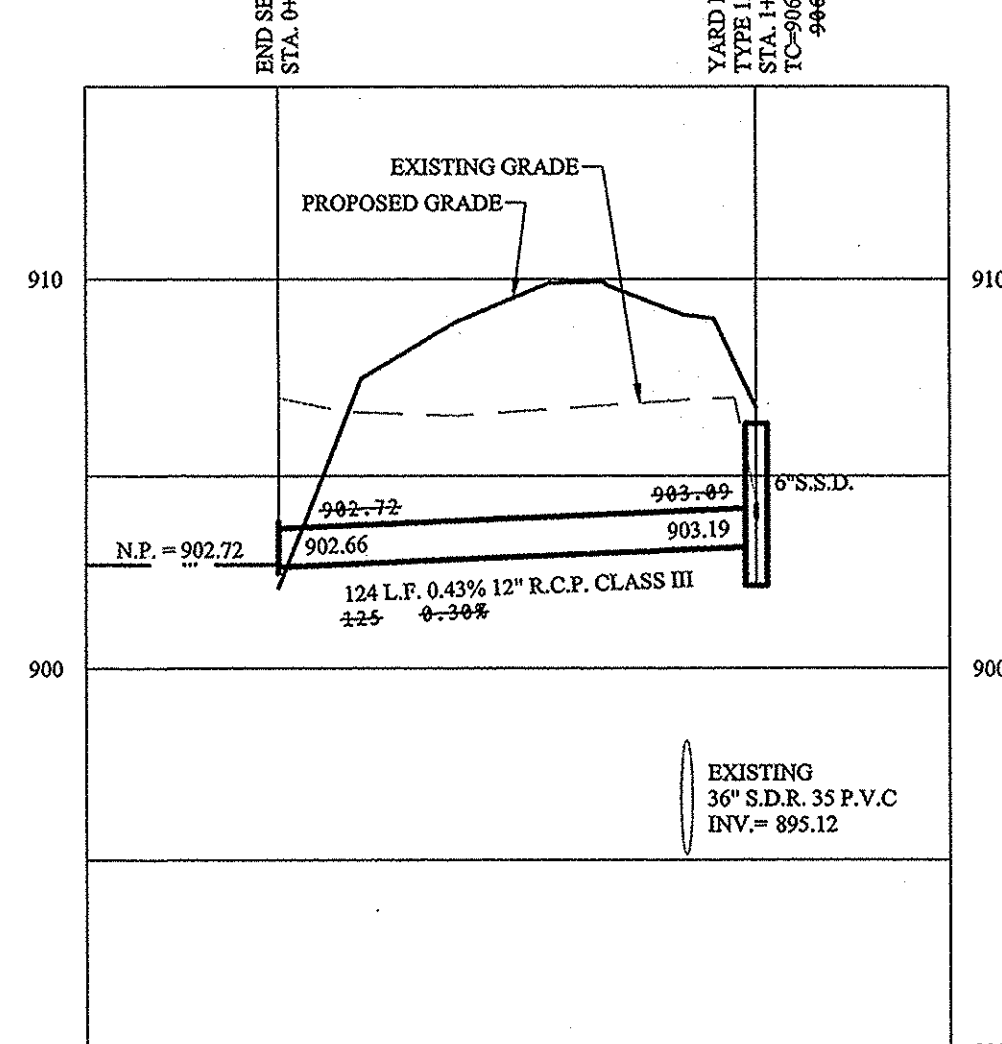
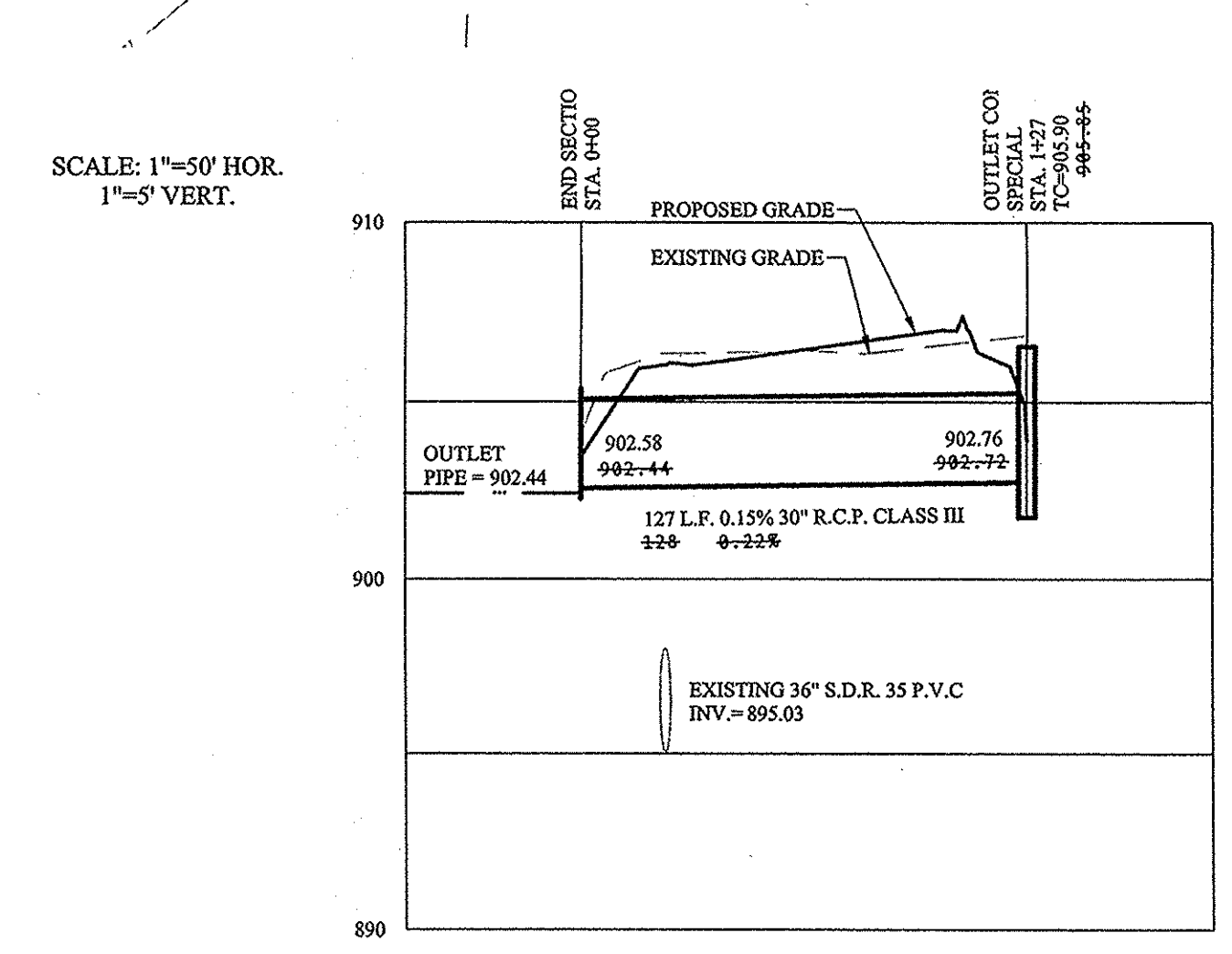
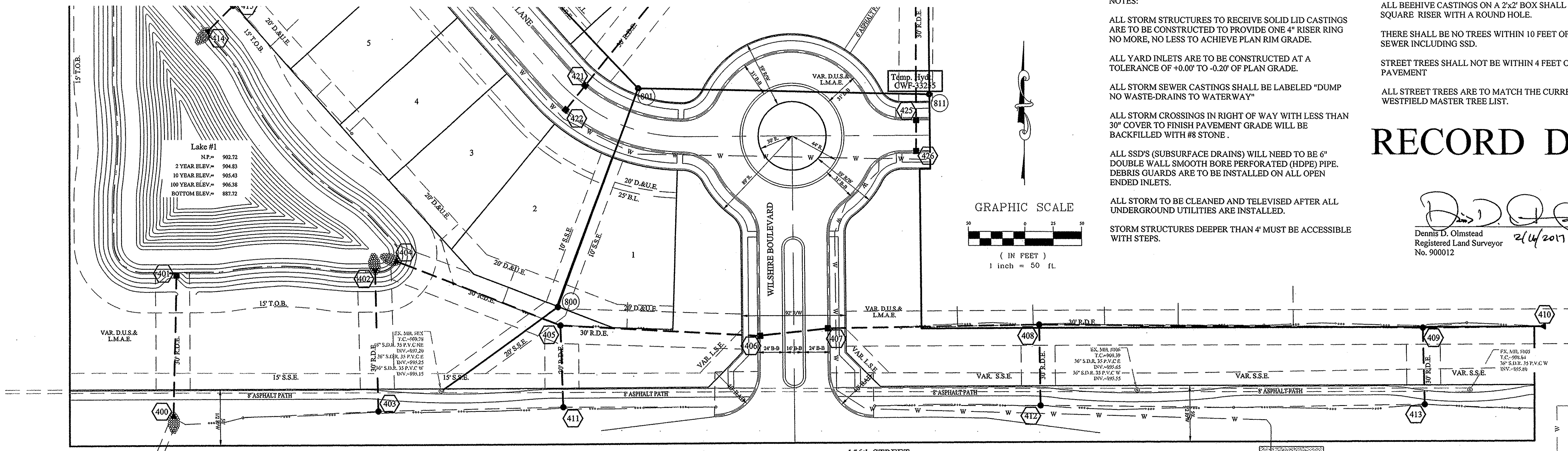
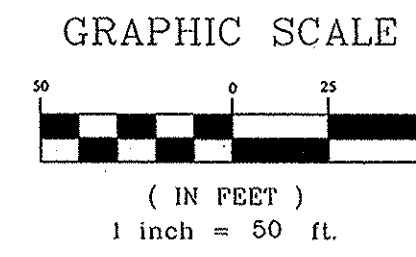
THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE REPORT OR A SURVEY LOCATION REPORT.

CERTIFIED: 04/29/16
David J. Stoppelwerth



- NOTES:
- ALL STORM STRUCTURES TO RECEIVE SOLID LID CASTINGS ARE TO BE CONSTRUCTED TO PROVIDE ONE 4" RISER RING NO MORE, NO LESS TO ACHIEVE PLAN RIM GRADE.
 - ALL YARD INLETS ARE TO BE CONSTRUCTED AT A TOLERANCE OF +0.00' TO -0.20' OF PLAN GRADE.
 - ALL STORM SEWER CASTINGS SHALL BE LABELED "DUMP NO WASTE-DRAINS TO WATERWAY"
 - ALL STORM CROSSINGS IN RIGHT OF WAY WITH LESS THAN 30" COVER TO FINISH PAVEMENT GRADE WILL BE BACKFILLED WITH #8 STONE.
 - ALL SSD'S (SUBSURFACE DRAINS) WILL NEED TO BE 6" DOUBLE WALL SMOOTH BORE PERFORATED (HDPE) PIPE. DEBRIS GUARDS ARE TO BE INSTALLED ON ALL OPEN ENDED INLETS.
 - ALL STORM TO BE CLEANED AND TELEVISED AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED.
 - STORM STRUCTURES DEEPER THAN 4' MUST BE ACCESSIBLE WITH STEPS.

- ALL BEEHIVE CASTINGS ON A 2'x2' 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.



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: 2017
Entered By: SLM

STOEPPELWERTH
ALWAYS ON
7905 East 10th Street, Fishers, IN 46038-2505
phone: 317.895.3935 fax: 317.895.9342

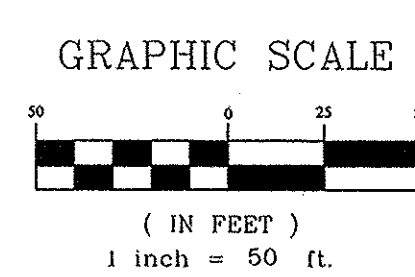
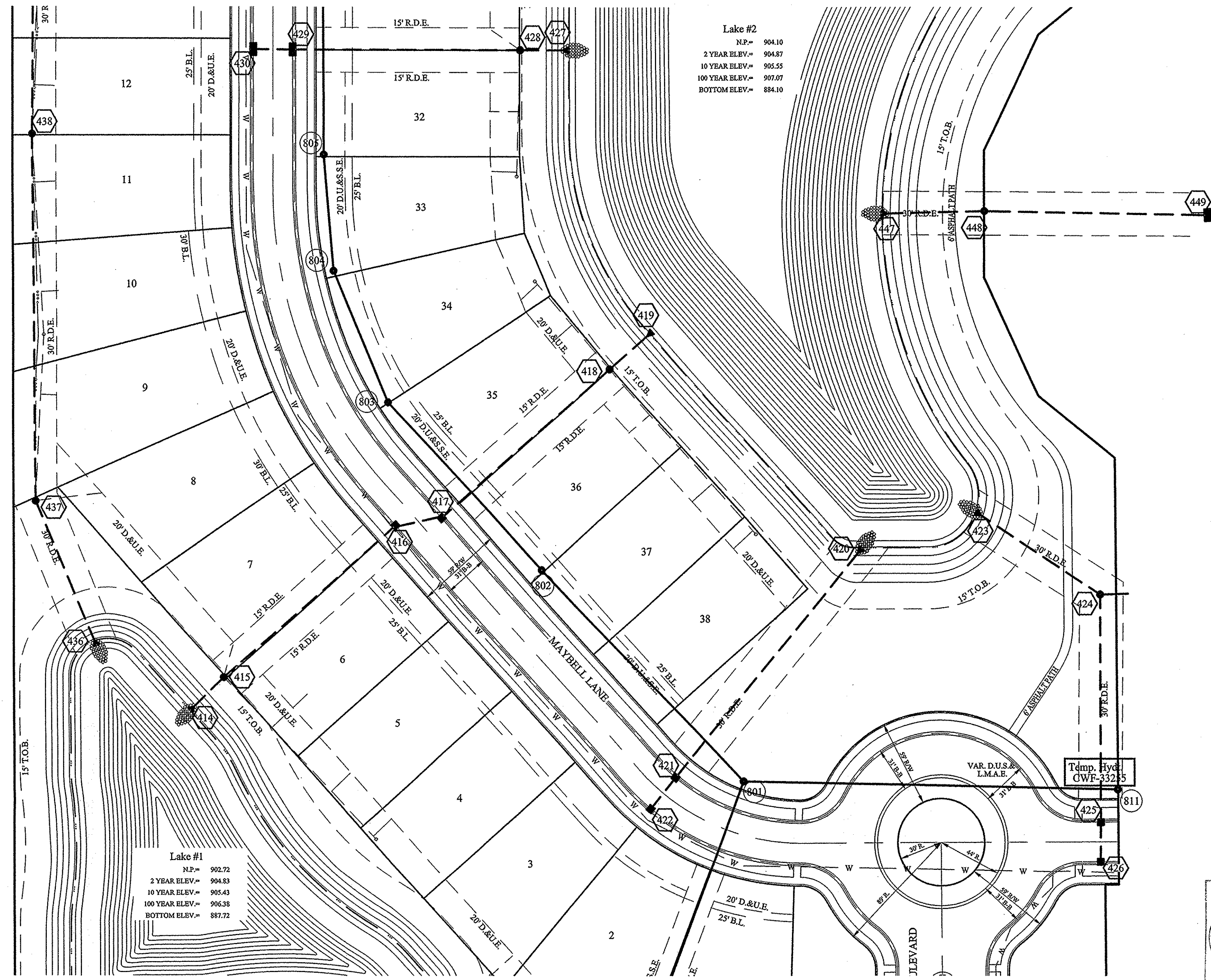
STORM PLAN & PROFILE
WILSHIRE SECTION 1
HAMILTON COUNTY, INDIANA
WESTFIELD, WASHINGTON TWP.

DRAWN BY: KRG
CHECKED BY: BKR

SHEET NO.
C600
S & A JOB NO.
46149-S1

File Name: S:\46149-S1\DWG\C600-Storm Plan & Profile.dwg - C600
Modified: February 16, 2017 11:44:43 AM / cesosio
Plotted: February 16, 2017 2:27:18 PM / Christian Esposito

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 Plotted By: February 16, 2017 2:27:42 PM / Christian Esposito



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.

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

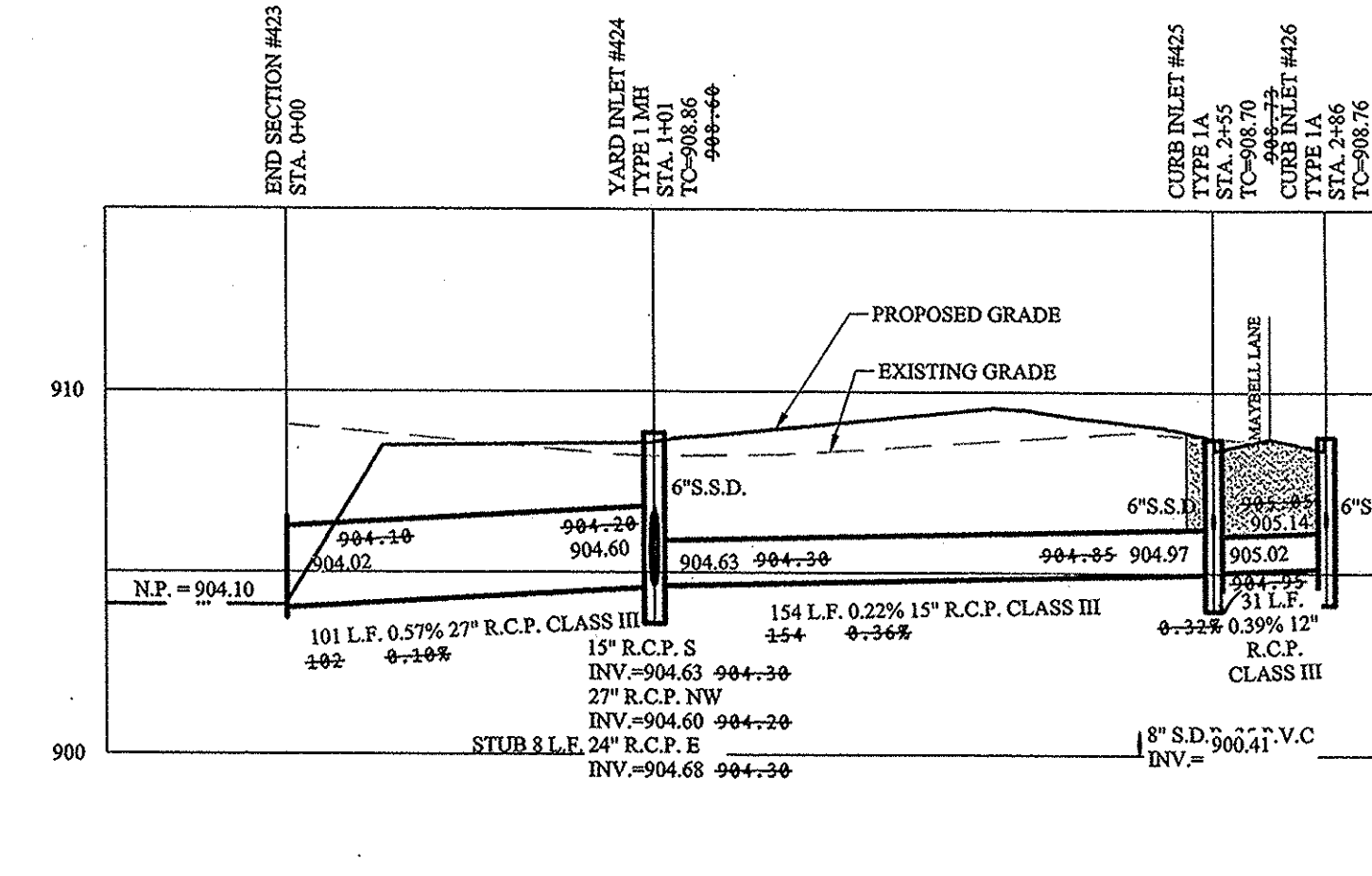
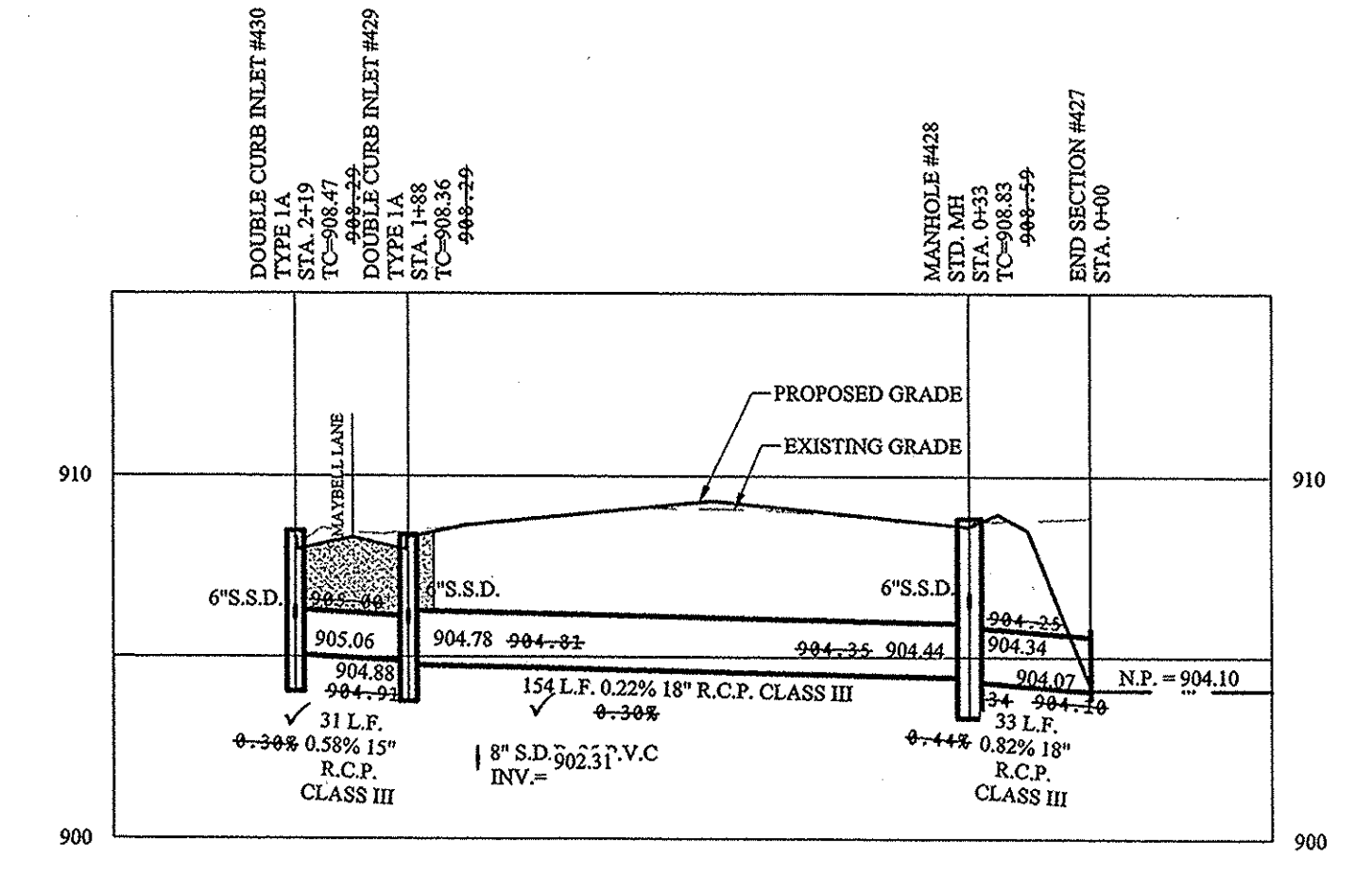
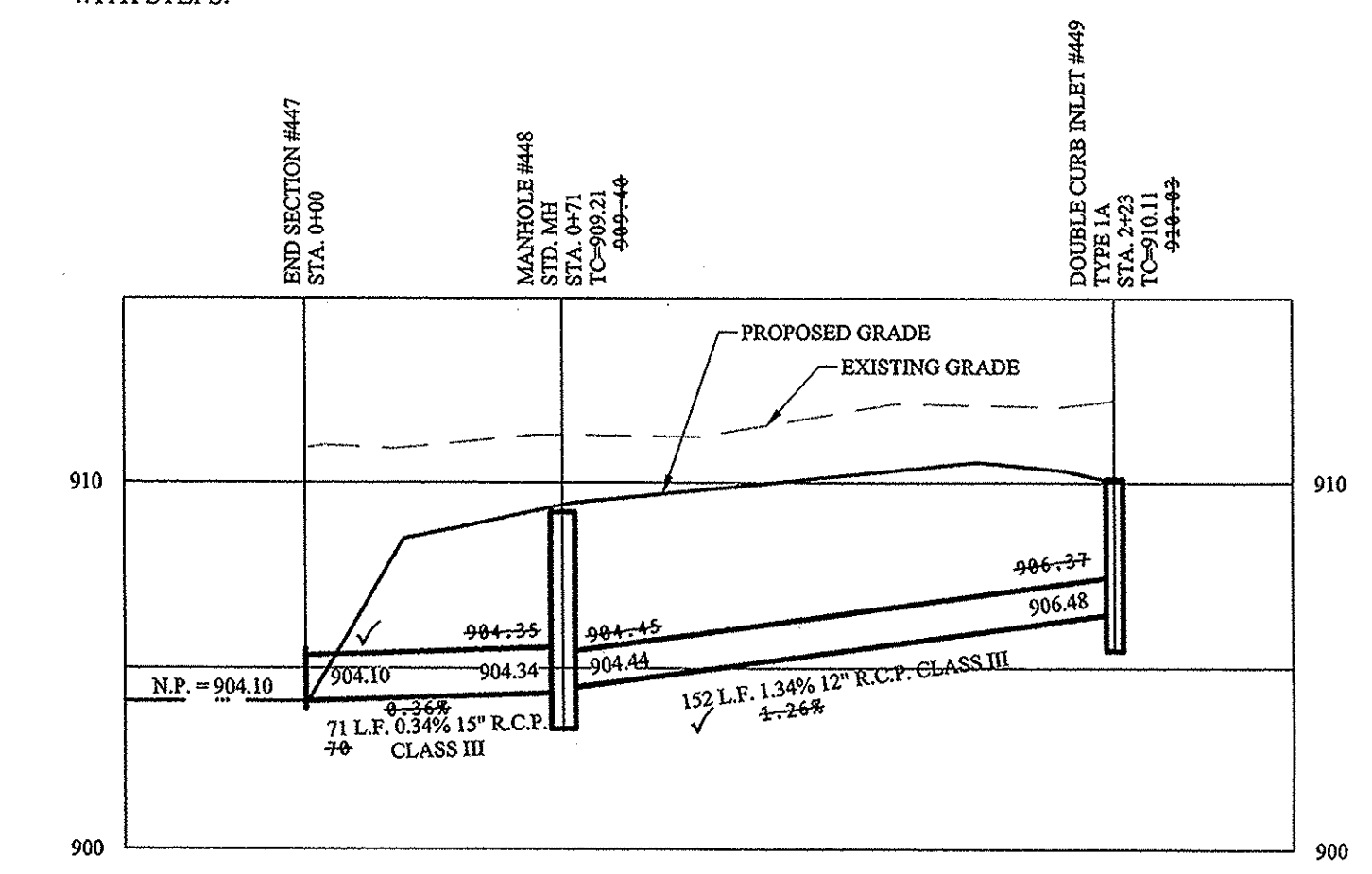
STORM STRUCTURES DEEPER THAN 4' MUST BE ACCESSIBLE WITH STEPS.

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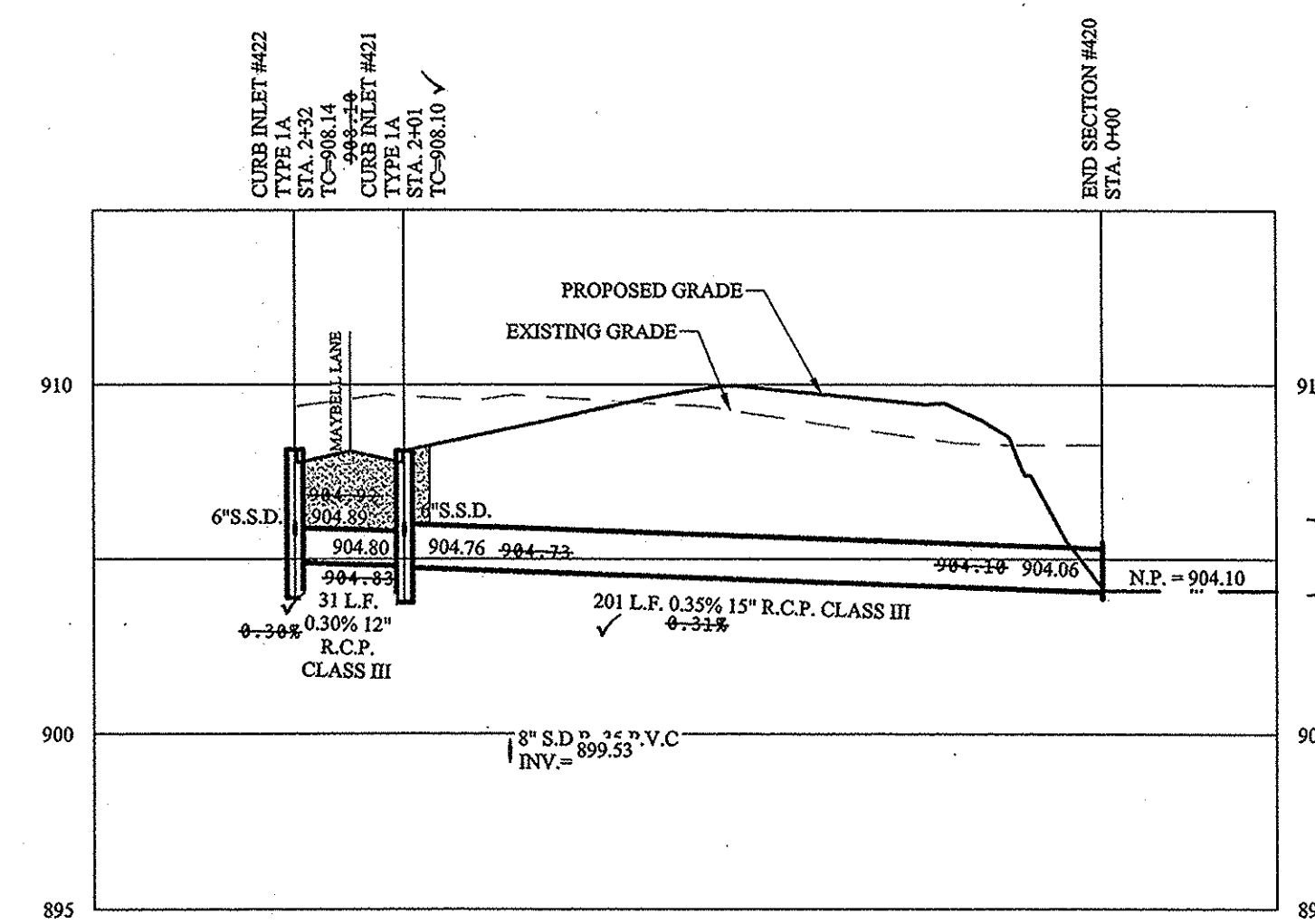
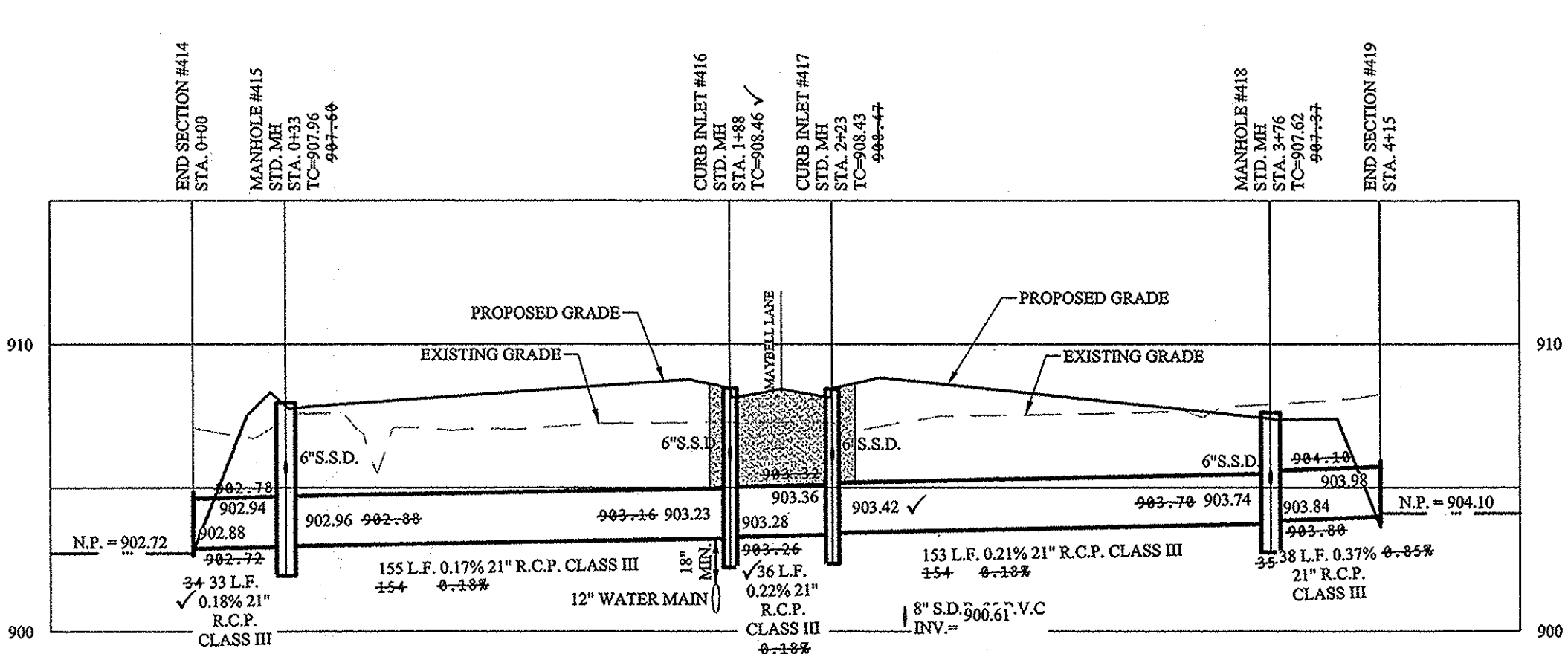
THERE SHALL BE NO TREES WITHIN 10 FEET OF ANY STORM SEWER INCLUDING SSD.

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.



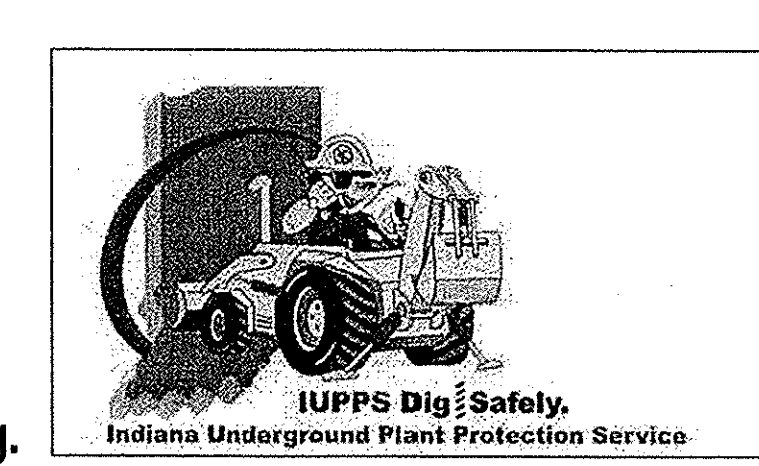
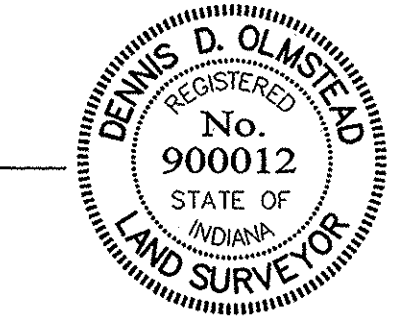
DENOTES FULL DEPTH GRANULAR BACKFILL



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: 2/17
 Entered By: GLM

RECORD DRAWING

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



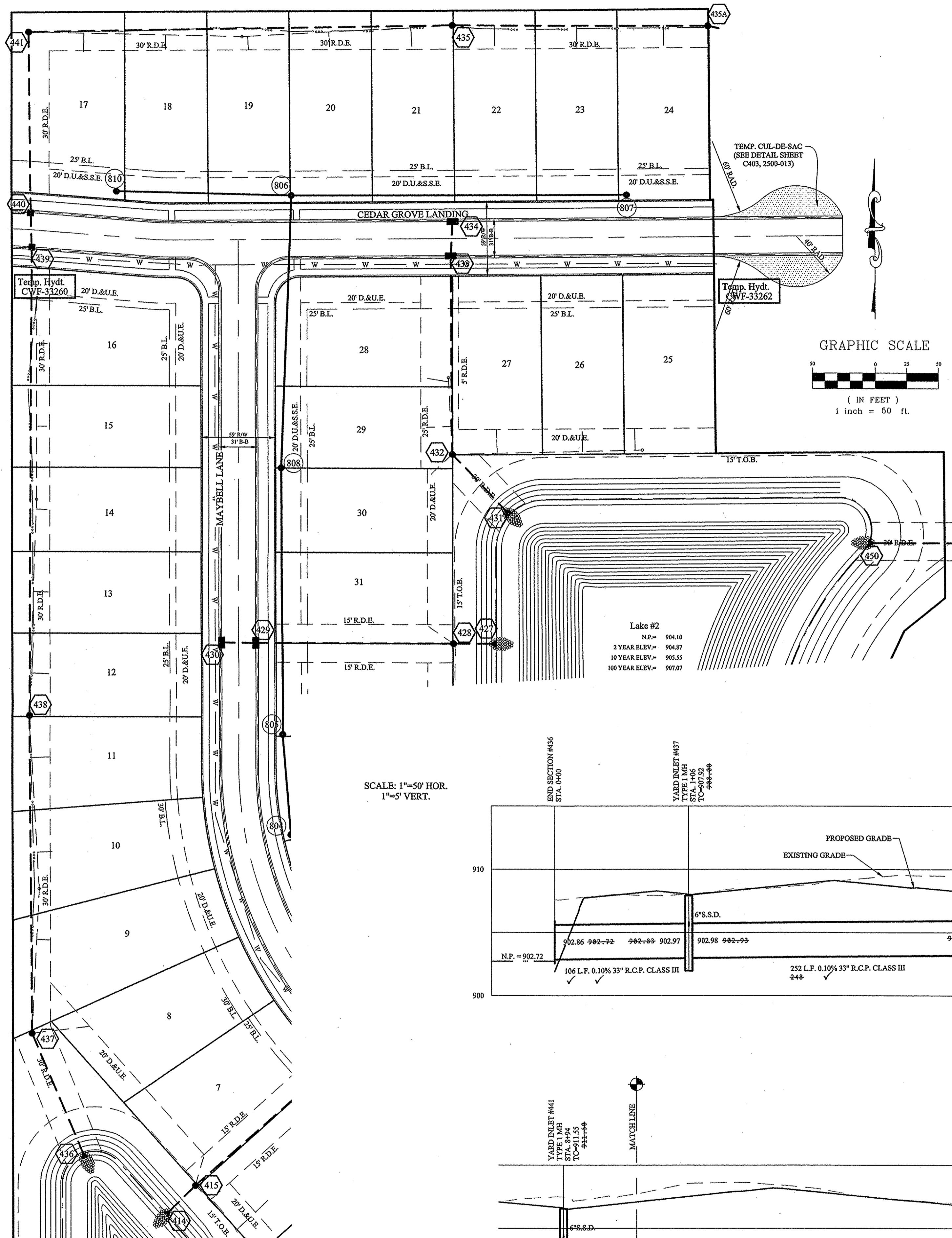
STOEPPELWERTH
 ALWAYS ON
 7945 East 106th Street, Fishers, IN 46038-2505
 phone: 317.849.5935 fax: 317.849.5942

WILSHIRE
 SECTION 1
 STORM PLAN & PROFILE

REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 CERTIFIED: 04/29/16
David J. Stappeworth

DRAWN BY: KRG
 CHECKED BY: BKR
 SHEET NO. **C601**
 S.E.A. JOB NO. 46149-S1

S:\46149-S1\DWG\C600-Storm Plan & Profile.dwg - C602
 February 16, 2017 11:44:43 AM / cesposito
 Modified / By:
 February 16, 2017 2:28:03 PM / Christian Esposito
 Plotted / By:



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.

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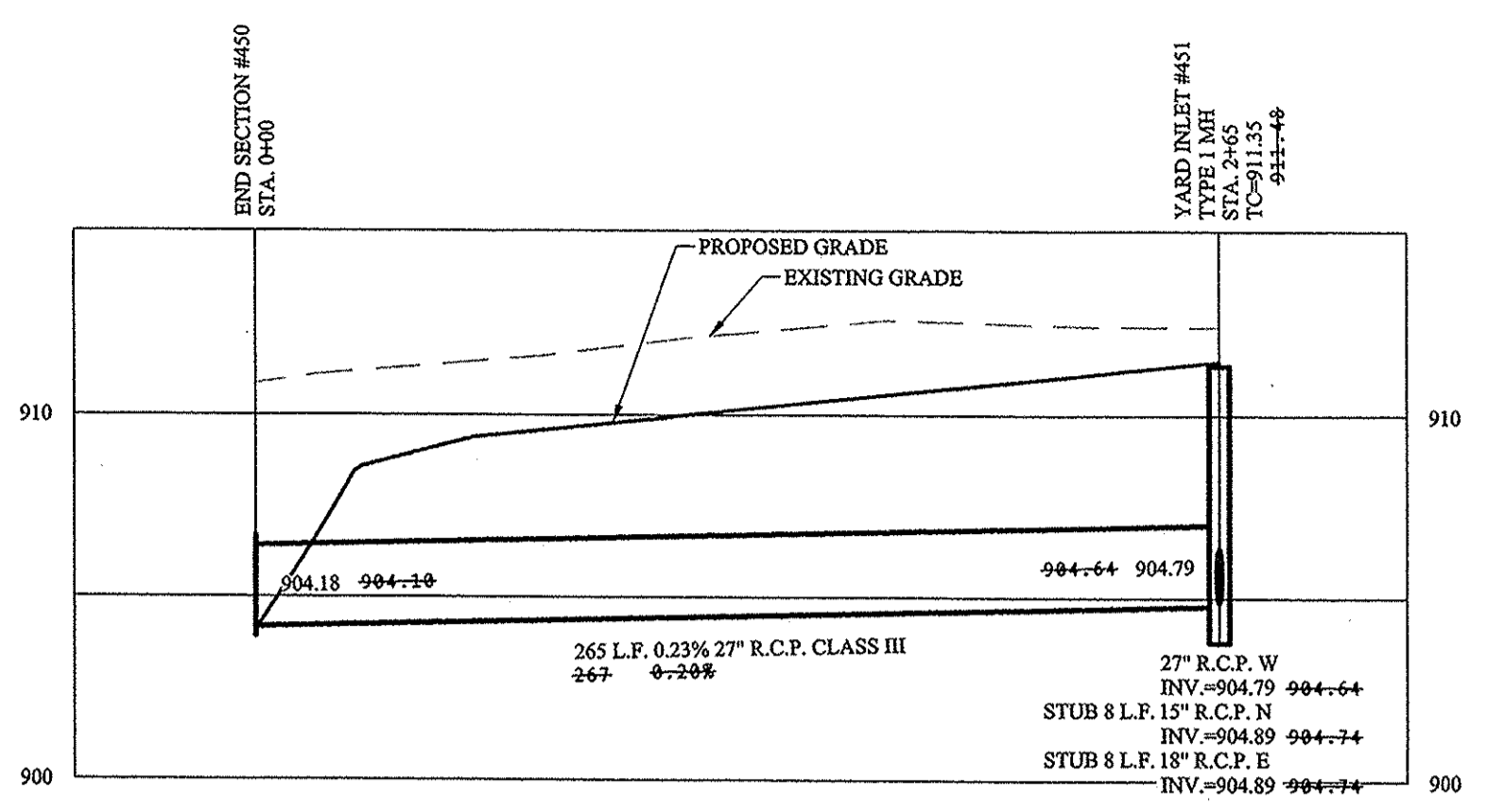
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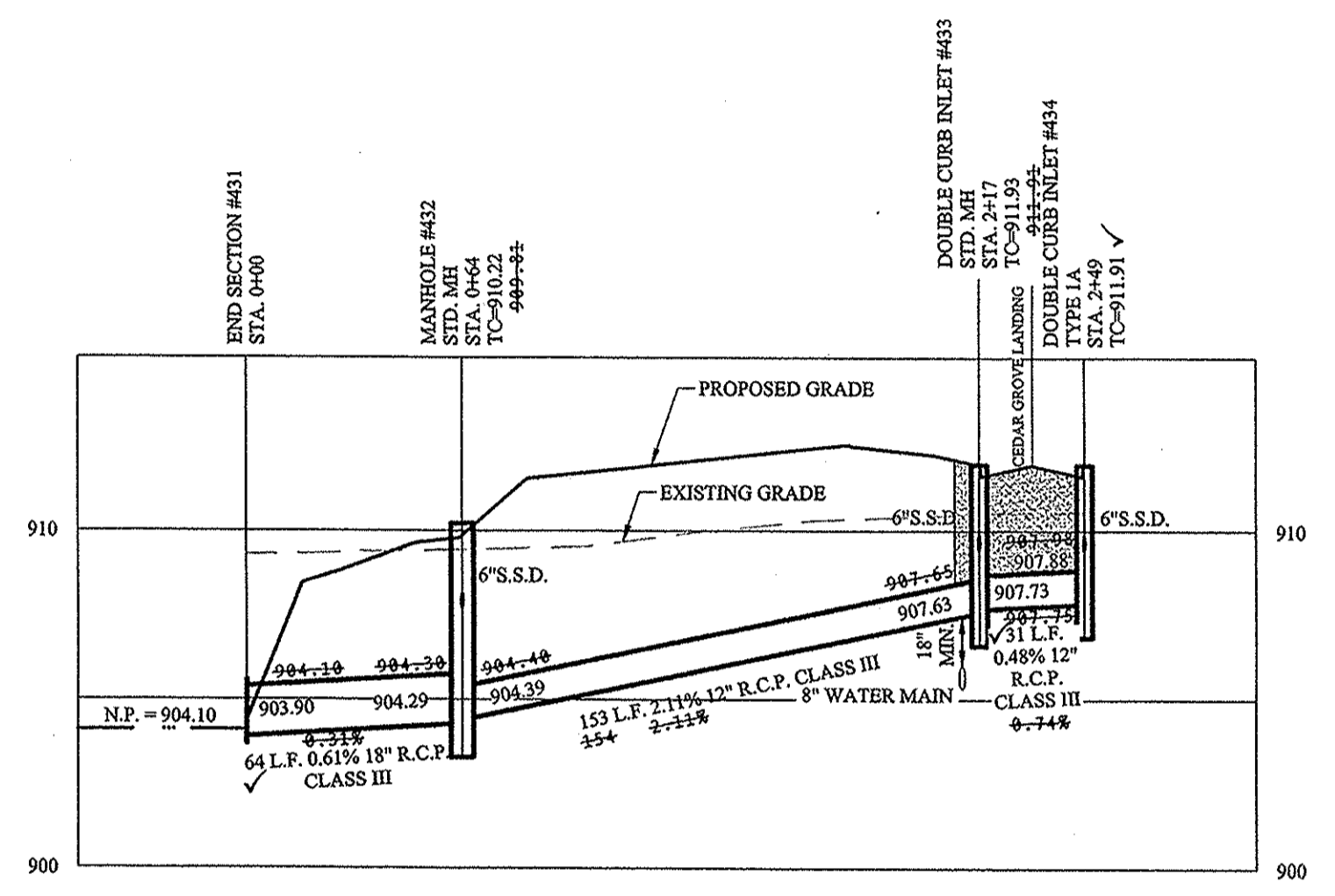
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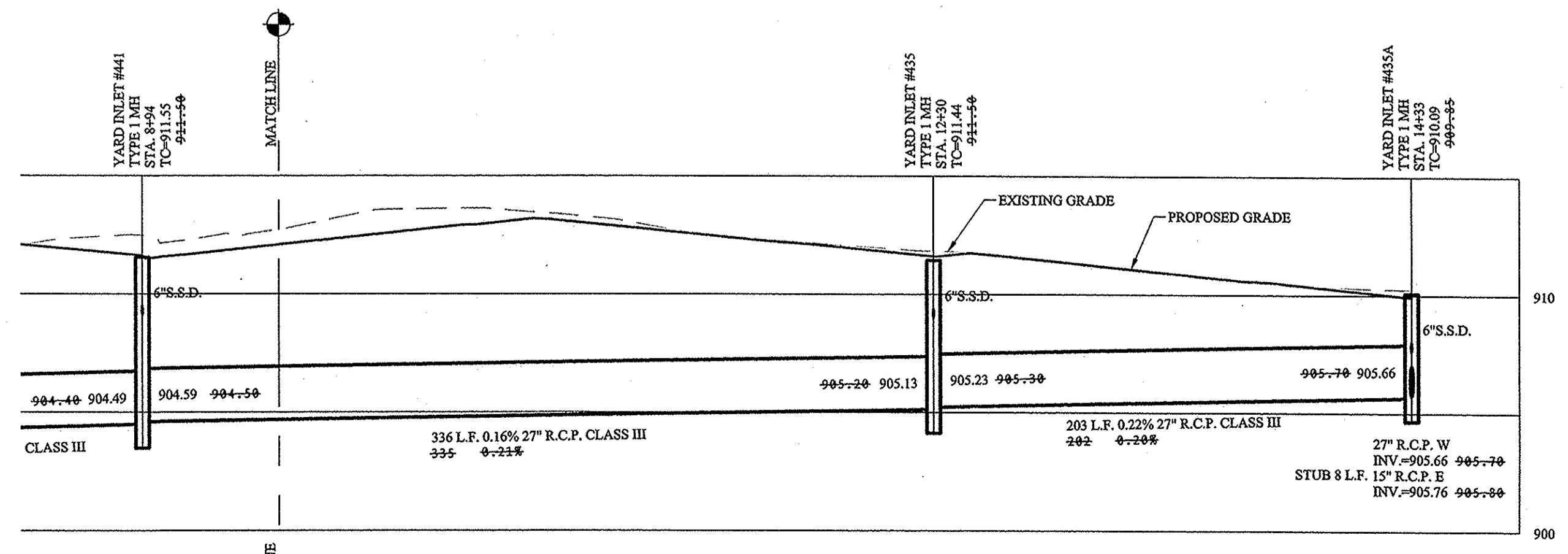
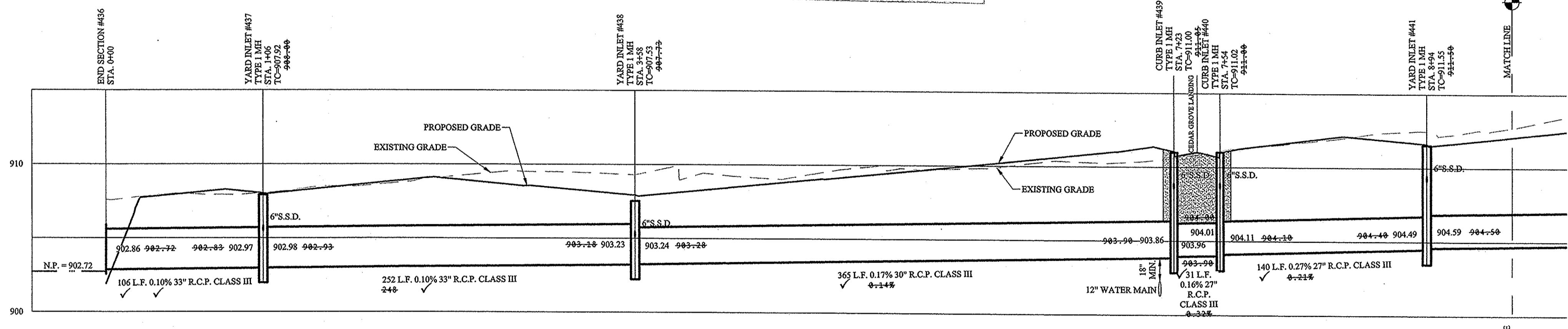
SCALE: 1"=50' HOR.
 1"=5' VERT.



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



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

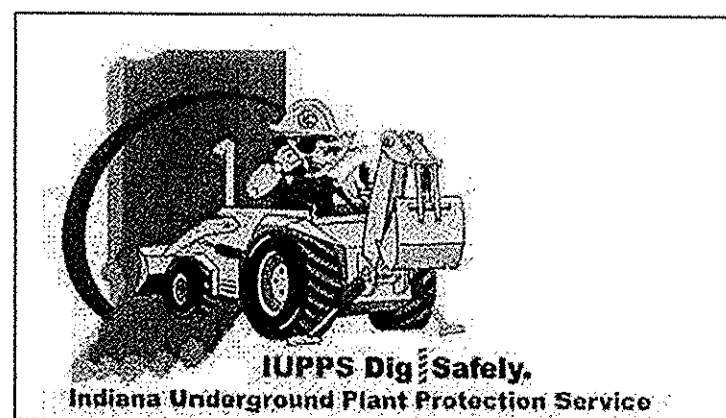
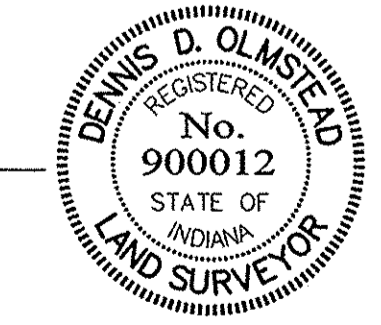


DENOTES FULL DEPTH GRANULAR BACKFILL

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RECORD DRAWING

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 2/16/2017



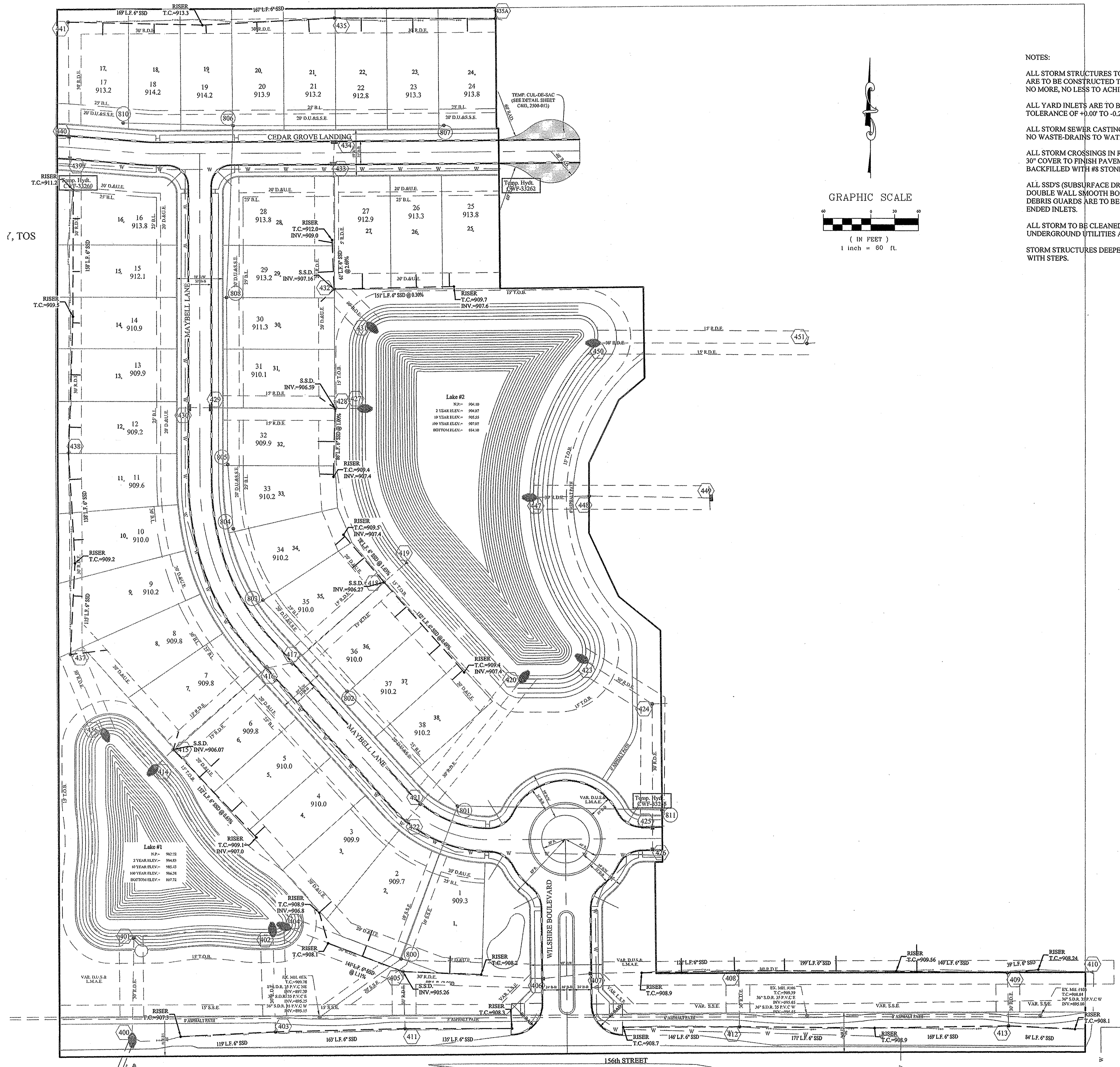
STORM PLAN & PROFILE
 WILSHIRE SECTION 1
 HAMILTON COUNTY, INDIANA
 WESTFIELD, WASHINGTON TWP.

STOEPPELWERTH
 AL WAYS ON
 7945 Pen 1048 Street, Fishers, IN 46038-2505
 phone: 317.846.5935 fax: 317.846.5942

REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 David J. Stoppelwerth
 CERTIFIED: 04/29/16

AS BUILTS 02/13/17
 REVISED PER COUNTY SURVEYORS COMMENTS 07/18/16
 REVISED PER COUNTY SURVEYORS COMMENTS 06/13/16
 REVISED PER TAC COMMENTS 06/13/16

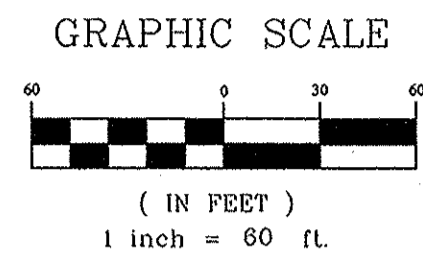
DRAWN BY: KRG
 CHECKED BY: BKR
 SHEET NO. C602
 S.E.A. JOB NO. 46149-S1



NOTES:

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| BY | DATE | REVISIONS |
|-----|----------|---------------------------------------|
| CE | 02/13/17 | REVISED PER COUNTY SURVEYORS COMMENTS |
| GBM | 07/18/16 | REVISED PER COMMENTS |
| GBM | 06/22/16 | REVISED PER TAC COMMENTS |
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CERTIFIED: 04/29/16

David J. Stappeler

REGISTERED PROFESSIONAL ENGINEER No. 19358 STATE OF INDIANA

STOEPPELWERTH

ALWAYS ON

7945 East 106th Street, Fishers, IN 46038-2585
phone: 317.895.5955 fax: 317.895.5942

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Entered By: SLM

RECORD DRAWING

D.D.O.

Dennis D. Olmstead
Registered Land Surveyor
No. 900012

2/16/2017

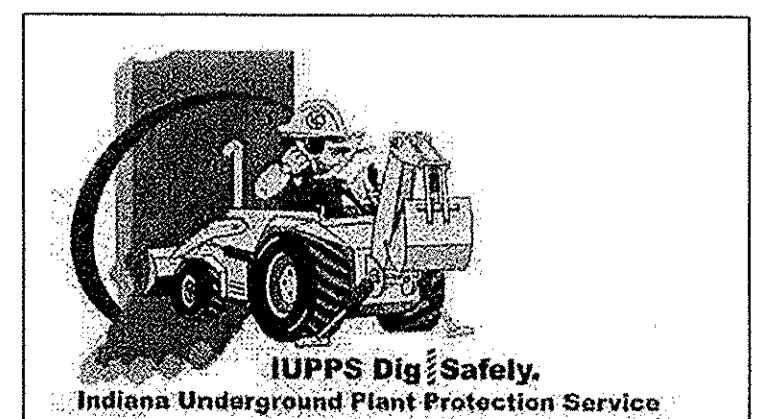
REGISTERED No. 900012 STATE OF INDIANA LAND SURVEYOR

SUB-SURFACE DRAIN/SUMP CONNECTION PLAN

WILSHIRE SECTION 1

HAMILTON COUNTY, INDIANA

WESTFIELD, WASHINGTON TWP.



DRAWN BY: KRG

CHECKED BY: BKR

SHEET NO. C603

S.A. 4308 NO. 46149-S1

File Name: S:\46149-S1\DWG\C600-Storm Plan & Profile.dwg - C603

Modified: February 16, 2017 11:44:43 AM / cspolito

Plotted: February 16, 2017 2:28:10 PM / Christian Esposito