

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

July 1, 2015

Re: Thor Run Drain, Reserve at Steeplechase, Sec. 1 Arm

Attached are plans for the proposed extension of the Thor Run Drain, Reserve at Steeplechase, Sec. 1 Arm. The proposal is to regulate the existing open drain currently on parcel 13-16-07-00-00-006.002 owned by MI Homes of Indiana LP and pipes under the Stretch Run Drive right-of-way, owned by the City of Fishers per the 'Reserve at Steeplechase, Sec. 1' project plans by Stoeppelwerth and Associates, Job No. 50060MI-S1, dated 7/10/2014. The upstream end of this extension will begin near the east property line at the downstream end of the existing pipe draining the Boulders Subdivision pond. The downstream end of this extension will end that the east right-of-way of Georgia Road.

This extension will consist of the following:

1255' of open drain 100' of 60" RCP

This proposal will add 1355 feet to the drain's total length.

The 100' of 60" RCP noted above consists of the culvert pipe under Stretch Run Drive.

It should be noted that the City of Fishers required the installation of a new temporary culvert pipe to be installed under Georgia Road parallel to an existing culvert. These culvert pipes are intended to be replaced by a single box culvert as part of the proposed roundabout project for 104th & Georgia Road. These temporary pipes are not part of this petition at this time. It is anticipated that the drain may be extended through the proposed box culvert in the future.

The Thor Run drain was previously referenced in my report dated May 20, 1998 For Thor Run Drain, Brooks Landing Sec. 1 Arm that was approved at hearing by the Board on June 29th, 1998 as recorded in Drainage Board Minutes Book 4 page 555-556. My other

previous reports for Thor Run drain also include the Brooks Landing, Sec. 2 Arm dated Oct. 24, 2002; Brooks Manor Arm dated July 16, 2001; Canal Place, Sec. 4 Arm dated Sept. 18, 2001; Valleys at Geist, Sec. 2 Arm dated May 18, 1999; and Valleys at Geist, Sec. 4 Arm dated Aug. 14, 2000. These reports were approved by the Board on Jan. 27, 2003, Aug. 27, 2001, Oct. 22, 2001, June 28, 1999, and Sept. 25, 2000 respectively.

The cost of the project is to be paid by the developer. Because this extension is a petition to regulate the existing open ditch, surety was not required. Surety was provided to the City of Fishers for the storm sewers installed with this subdivision, which includes the culvert pipe under Stretch Run Drive. This culvert pipe has been installed and inspected. The other storm sewers in the Reserve at Steeplechase, Sec. 1 are not part of this petition.

The easement for the new extension shall be 30' measured from each top of bank of the open drain as shown on the secondary plat for The Reserve at Steeplechase, Sec. 1. At this time, this plat is pending recording.

I recommend the Board set a hearing date for August 24, 2015.

Sincerely,



Kenton C. Ward
Hamilton County Surveyor

KCW/stc

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Thor Run Drain, Reserve at Steeplechase Section 1 Arm

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the *Thor Run Drain, Reserve at Steeplechase Section 1 Arm* came before the Hamilton County Drainage Board for hearing *on August 24, 2015*, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

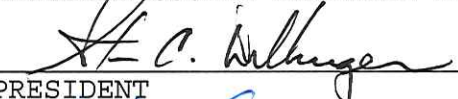
The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the *Thor Run Drain, Reserve at Steeplechase Section 1 Arm* be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD



PRESIDENT



Member



Member

ATTEST: 
Executive Secretary

FILED

JUN 17 2014

Date: June 17, 2014

To: Hamilton County Drainage Board

Re: Thor Run Legal Drain OFFICE OF HAMILTON COUNTY SURVEYOR

M/I Homes (Here-in-after "Petitioner"),

hereby petitions the Hamilton County Drainage Board under IC 36-9-27-66 for an arm to be

installed to the Thor Run Legal Drain in order to serve the property of the

petitioner. The petitioner, in support of said petition, advises the Board that:

1. The Thor Run Legal Drain is presently on a maintenance program and that land of the petitioner is assessed as benefited by the maintenance of the regulated drain
2. There is no known adequate open or tiled drain connecting the land of the petitioner with the regulated drain;
3. The waters from the petitioners land flow over or through land owned by others to reach the regulated drain;
4. The legal description of lands through which the new regulated drain will run along with the parcel numbers, name and address of each owner of that land is shown on Exhibit "A" which is attached;
5. The general route of the proposed new regulated drain and method of construction is shown on Exhibit "B" which is attached.
6. Petitioner agrees to pay all legal and construction costs involved with the construction of the proposed new regulated drain.

Signed

Printed



Mark Connor - M/I Homes

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Thor Run Drain, Reserve at Steeplechase Section 1 Arm

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board concerning the reconstruction of the **Thor Run Drain, Reserve at Steeplechase Section 1 Arm** on **August 24, 2015** at **9:05 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana. Construction and maintenance reports of the Surveyor and the Schedule of Assessments proposed 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

STATE OF INDIANA)
) SS BEFORE THE HAMILTON
)
COUNTY OF HAMILTON) DRAINAGE BOARD

IN THE MATTER OF **Thor Run Drain, Reserve at Steeplechase
Section 1 Arm**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **August 24, 2015** adopted the reconstruction report of the Surveyor and the Amended Schedule of damages and assessments including annual assessment for periodic maintenance, finding that the costs, damages and expense of the proposed improvement would be less than the benefits which will result to the owner of lands benefited thereby.

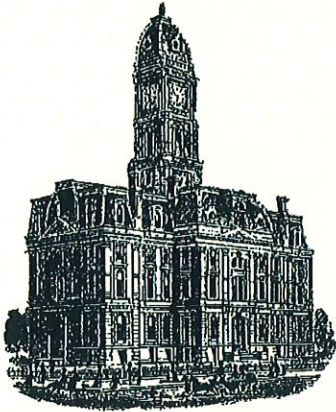
The Board issued an order declaring the proposed improvement established. Such findings and order were marked filed and are available for inspection in the Office of the Hamilton County Surveyor.

If judicial review of the findings and order of the Board is not requested pursuant to Article VIII of the 1965 Indiana Drainage Code as amended within twenty (20) days from the date of publication of this notice, the findings and order shall become conclusive.

HAMILTON COUNTY DRAINAGE BOARD

BY: Steven C. Dillinger
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY



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

To: Hamilton County Drainage Board

September 5, 2018

Re: Thor Run Drain: Reserve at Steeplechase Sec. 1

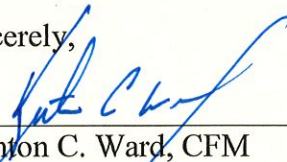
Attached are as-built, certificate of completion & compliance, and other information for Reserve at Steeplechase Sec. 1. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated July 1, 2015. The report was approved by the Board at the hearing held August 24, 2015. (See Drainage Board Minutes Book 16, Pages 273-275) The changes are as follows: the open ditch was shortened from 1255 feet to 1247 feet. The 100 feet of 60" RCP was replaced with 100 feet of 84" x 60" Box Culvert. The length of the drain due to the changes described above is now **1347 feet**.

The drainage easement was outlined in my report to the board dated July 1, 2015 as 30 feet from the top of bank. The nonenforcement the plat is recorded under instrument #2018040919. The project was paid for by the developer and sureties were provided to the City of Fishers for this project.

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: The Reserve at Steeplechase, Section 1

FILED

AUG 08 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.

Signature:

Date: August 6, 2018

Type or Print Name: Dennis D. Olmstead

Business Address: Stoepelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

Telephone Number: (317) 849-5935

SEAL

INDIANA REGISTRATION NUMBER

900012



The Reserve at Steeplechase

Section 1

Section 1 & Section 2 Mass Grading P.U.D.-R Zoning

Developed by:

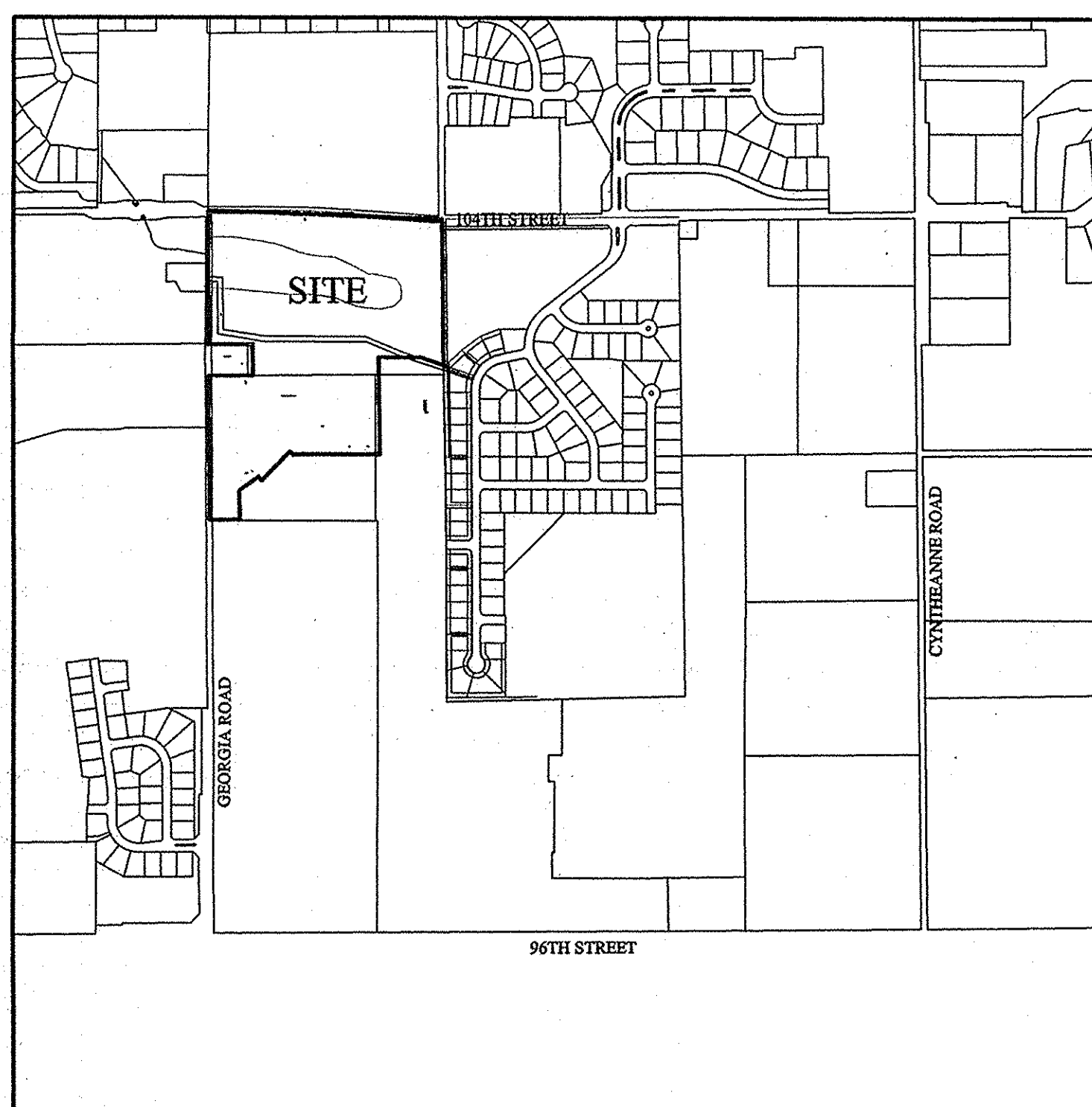
MI Homes

8500 Keystone Crossing, Suite 590

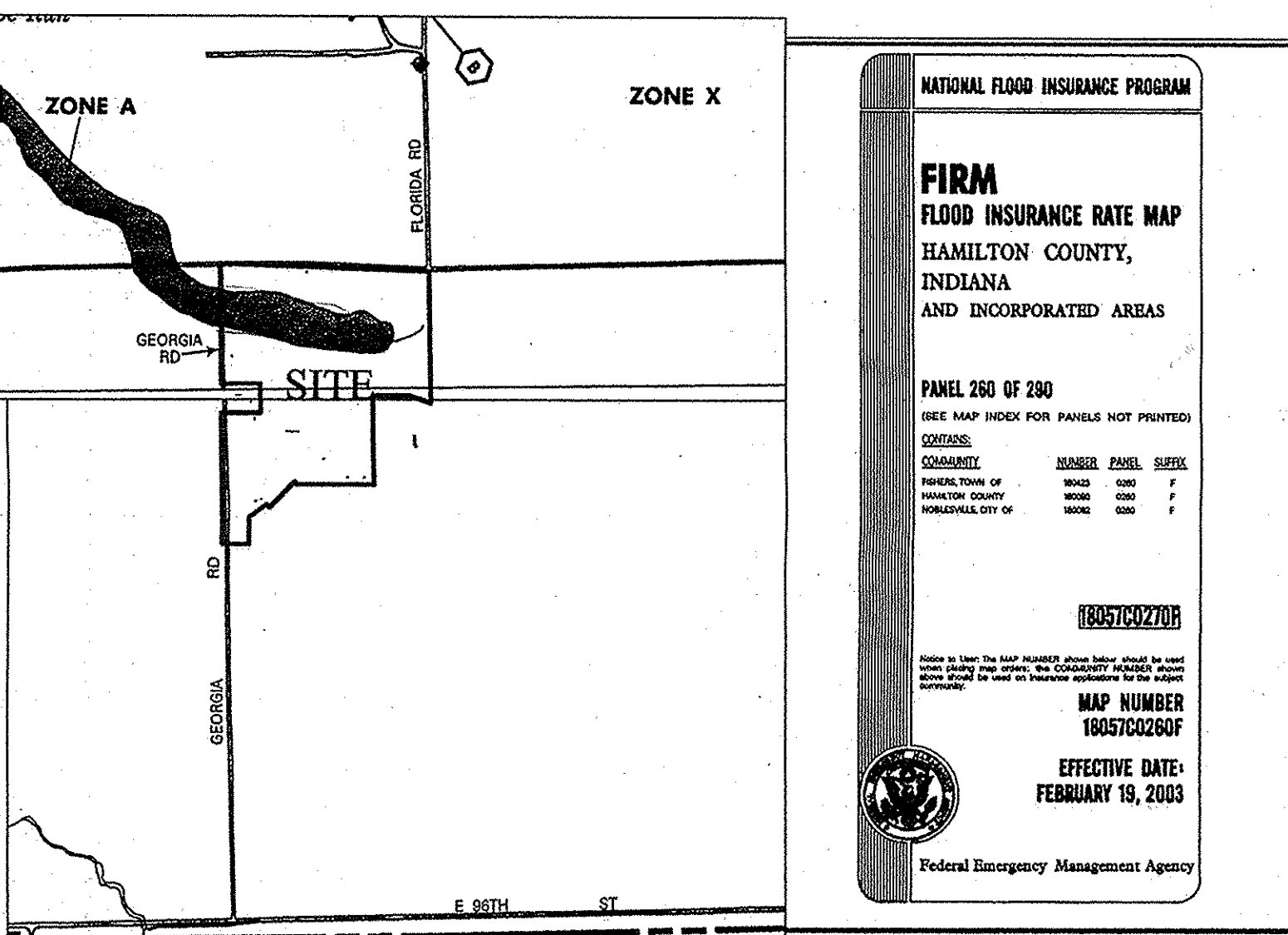
Indianapolis, Indiana 46240

Phone: (317)-255-9900

Contact Person: Mark Connor



LOCATION MAP
SCALE: 1"=800'



FLOOD MAP
SCALE: 1"=1000'
INDEX

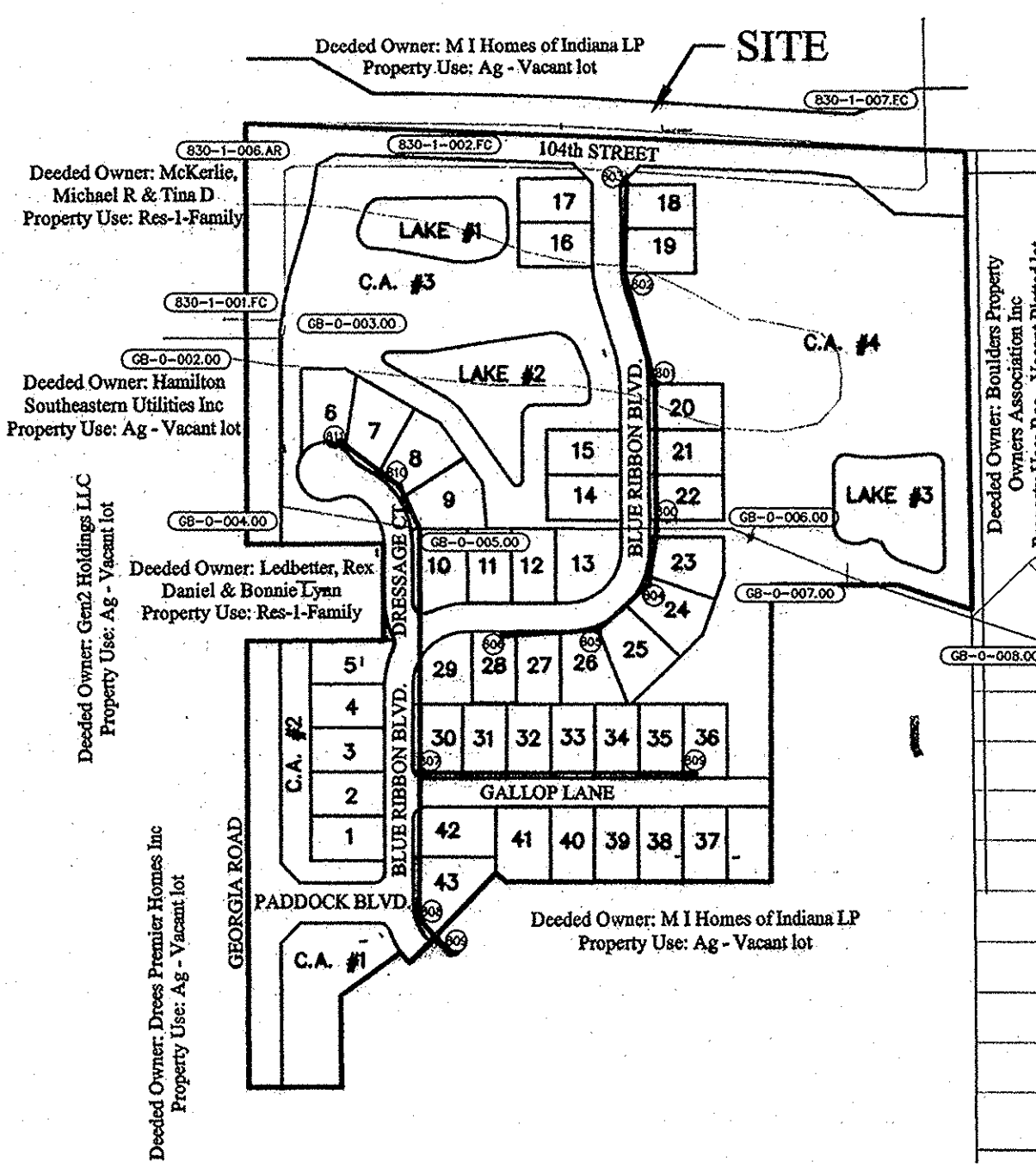
SHT.	DESCRIPTION
C001	COVER SHEET
C100-C101	TOPOGRAPHICAL SURVEY
C200-C202	SITE DEVELOPMENT PLAN
C203	STORM TABLE
C204-C205	EMERGENCY FLOOD ROUTE
C300-C312	EROSION CONTROL PLAN & SPECIFICATIONS
C400-C405	STREET PLAN & PROFILES/TRAFFIC CONTROL PLAN/MAINTENANCE OF TRAFFIC
C406-C407	ENTRANCE PLAN & INTERSECTION DETAIL
C500-C504	SANITARY SEWER PLAN & PROFILES / GRAVITY SANITARY SEWER DETAILS
C600-C604	STORM PLAN & PROFILES
C700-C701	WATER PLAN
C800-C802	CONSTRUCTION DETAILS
C900	STREET TREE PLAN
L1-L2	LANDSCAPE PLAN

SHT.	DESCRIPTION
ALL	REVISED PER TAC COMMENTS 01/14/2014 DCM
ALL	REVISED PER FISHERS COMMENTS 04/01/2014 KJMJ
C200, C600, C802	REVISED PER STREAM STUDY 05/22/2014 DCM
C200, C500, C801	REVISED PER FISHERS COMMENTS 07/10/2014 CWW
ALL	REVISED PER SAMCO COMMENTS 08/26/2014 DCM
C500, L1, L2	REVISED PER SAMCO COMMENTS 10/31/2014 DCM
ALL	REVISED PER FISHERS COMMENTS 11/04/2014 DCM
ALL	REVISED STREET NAMES 11/14/2014 DCM
C700-C701	REVISED PER CITIZENS COMMENTS 02/17/2015 KJMJ
C700-C701	REVISED PER CITIZENS COMMENTS 02/25/2015 KJMJ
C701	REVISED PER CITIZENS COMMENTS 02/26/2015 KJMJ
C403-C404	REVISED STREET LIGHT LOCATIONS 06/09/2015 DCM
ALL	ASBUILT 08/04/15 ARW

NOTES:

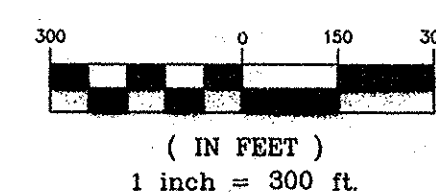
- THIS SITE IS WITHIN A FLOODPLAIN PER FIRM MAP NO. 18057C0260 F & 18057C0270 F DATED FEB. 19, 2003.
- THE DESIGN AND CONSTRUCTION SHALL COMPLY WITH THE CURRENT TOWN OF FISHERS CONSTRUCTION SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THIS SUBDIVISION MEETS THE REQUIREMENTS OF THE TOWN OF FISHERS UDO & TOWN STANDARDS CONSTRUCTION SPECIFICATIONS & ADA REQUIREMENTS.
- LOCAL SANITARY SEWER UTILITY: HAMILTON SOUTHEASTERN UTILITIES 11901 LAKESIDE DRIVE FISHERS, IN 46038 TELEPHONE: (317)-577-2300
- MINIMUM DISTANCE BETWEEN A DRIVEWAY AND A PARALLELING ADJACENT STREET 25 FEET. MEASURED FROM EDGE OF RIGHT-TO-WAY TO THE NEAREST EDGE OF DRIVEWAY AT THE RIGHT-OF-WAY LINE.
- UTILITY CONFLICTS (INCLUDING UTILITY POLES) MUST BE COMPLETELY RESOLVED PRIOR TO THE CONSTRUCTION OF ACCELERATION/DECELERATION, PASSING BLISTER LANES AND/OR LEFT TURN LANES. CONSTRUCTION OF THESE LANES INCLUDES BUT IS NOT LIMITED TO EXCAVATION, EMBANKMENT, PAVING, AND SUB-GRADE PREPARATION, ETC.
- THE CONTRACTOR SHALL SCHEDULE A STORMWATER INFRASTRUCTURE PRE-CONSTRUCTION MEETING WITH THE TOWN OF FISHERS DEPARTMENT OF ENGINEERING PRIOR TO ANY CONSTRUCTION ON THE SITE BEING STARTED.
- THE FINAL STORMWATER INFRASTRUCTURE INSPECTION WILL NOT BE PERFORMED BY THE TOWN OF FISHERS DEPARTMENT OF ENGINEERING INSPECTOR UNTIL ALL UTILITIES ARE COMPLETED AND FINAL SITE STABILIZATION IS COMPLETED.

SHT.	DESCRIPTION
1	DIRECTIONS FOR USE, & GENERAL NOTES
2	SANITARY SEWER PIPE BEDDING & CROSSING DETAILS & NOTES
3	SANITARY SEWER STRUCTURE DETAILS & NOTES
4	SANITARY LATERAL CONNECTION, CLEAN OUT, & MISC. NOTES
5	SANITARY SEWER FORCEMAIN DETAILS & NOTES
6	SANITARY SEWER DUPLEX PUMP STATION DETAILS & NOTES
7	PAVEMENT, PATH, CURB & SIDEWALK DETAILS AND NOTES
8	COMMERCIAL, INDUSTRIAL, & ALTERNATIVE RESIDENTIAL STREET SECTIONS
9	CURB, UNIT PAVER AND JOINT DETAILS AND NOTES
10	MISC. TRANSPORTATION DETAILS, SIGNS, PAVEMENT MARKERS, CUL-DE-SAC
11	STORM SEWER BEDDING, UNDERDRAIN & EXCAVATION DETAILS & NOTES
12	STORM SEWER STRUCTURE & DETAIL NOTES
13	DETENTION BASIN, END SECTION, MISCH DETAILS & NOTES



SITE MAP
PROPERTY ADDRESS:
GEORGIA ROAD

GRAPHIC SCALE



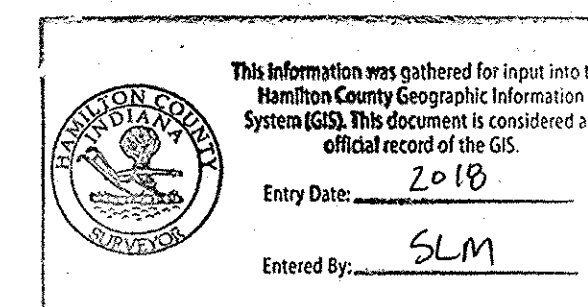
DESIGN DATA 3

36.89 AC.
43 LOTS = 0.86 LOTS/ACRE

PADDOCK BOULEVARD 275.006 L.F.
BLUE RIBBON BOULEVARD 1814.010 L.F.
GALLOP LANE 675.131 L.F.
DRESSAGE COURT 396.801 L.F.

TOTAL L.F. 3160.948 L.F.

DESIGN SPEED LIMIT: 25 MPH



IMPERVIOUS DATA	
SIDEWALK	15,804.74 sq. ft.
STREET	101,150.336 sq. ft.
DWELLINGS	153,240.00 sq. ft.

DEVELOPMENT STANDARDS STEEPLCHASE PUD-R DISTRICT 3 (ORDINANCE NO. 0715133, AS AMENDED)	
LOT WIDTH AT BUILDING LINE - MINIMUM	50'
FRONT YARD SETBACK - MINIMUM	20'
SIDE YARD SETBACK - MINIMUM	0'/20' AGG.
REAR YARD SETBACK - MINIMUM	20'
LIVING SPACE - MINIMUM (1-STORY/2-STORY)	1,850/2,600 sq.ft.
BUILDING HEIGHT - MAXIMUM	35'

COMMON AREAS INDEX

SECTION 1	
C.A. #1	40,245 sq. ft.
C.A. #2	28,714 sq. ft.
C.A. #3	274,117 sq. ft.
C.A. #4	407,990 sq. ft.
C.A. #5	10,704 sq. ft.
COMMON AREAS TOTAL	761,770 sq. ft.

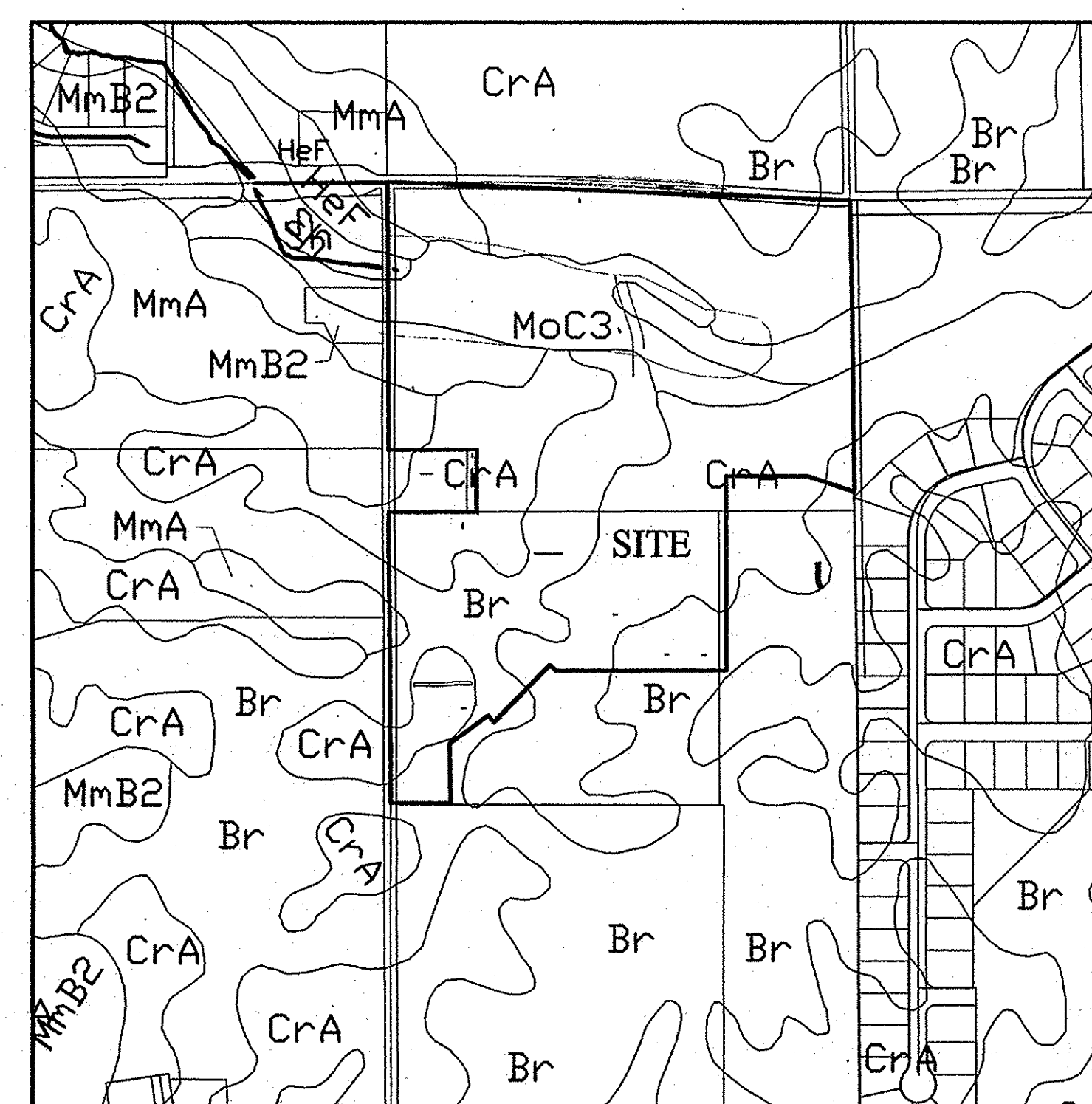
SEC. 1

STORM SEWER PIPE	
PIPE	LENGTH
12" RCP	2193 L.F.
15" RCP	717 L.F.
18" RCP	380 L.F.
21" RCP	126 L.F.
24" RCP	1254 L.F.
27" RCP	882 L.F.
30" RCP	406 L.F.
60" RCP	55 L.F.
60"x84" STL	22 L.F.
TOTAL	5937 L.F.

THE RESERVE AT STEEPLCHASE SECTION 1

A part of Southeast Quarter of the Northwest Quarter and part of East Half of the Southwest Quarter of Section 7, Township 17 North, Range 6 East, in Fall Creek Township, Hamilton County, Indiana, more particularly described as follows:

Beginning at the Northwest corner of the Southeast Quarter of the Northwest Quarter of said Section 7, said point being marked by railroad spike found in place; thence South 87 degrees 55 minutes 26 seconds East along the North Line of said quarter quarter section a distance of 1,306.64 feet to a MAG Nail found at the Northeast corner of said section; thence South 00 degrees 50 minutes 43 seconds East along East line of said section a distance of 816.58 feet; thence North 71 degrees 27 minutes 16 seconds West 139.75 feet; thence South 89 degrees 55 minutes 27 seconds West 230.96 feet; thence South 00 degrees 04 minutes 33 seconds East 339.35 feet; thence South 89 degrees 46 minutes 25 seconds West 479.71 feet; thence North 50 degrees 07 minutes 32 seconds West 24.54 feet; thence South 44 degrees 46 minutes 25 seconds West 171.12 feet; thence continuing South 44 degrees 46 minutes 25 seconds West along said line, a distance of 52.00 feet to a point on a curve concave northeasterly, the radius point of said curve being North 44 degrees 46 minutes 25 seconds East 151.00 feet from said point; thence northwesterly along said curve 24.97 feet to a point on said curve, said point being South 54 degrees 14 minutes 52 seconds West 151.00 feet from the radius point of said curve; thence South 54 degrees 14 minutes 52 seconds West 134.00 feet; thence South 00 degrees 28 minutes 33 seconds East 164.06 feet; thence South 89 degrees 31 minutes 27 seconds West 168.47 feet; thence North 00 degrees 16 minutes 36 seconds West along Georgia Road and the West line of the East Half of the Southwest Quarter of said Section 7 a distance of 340.20 feet to a MAG Nail found at the Southwest corner of the Southeast Quarter of the Northwest Quarter; thence North 00 degrees 13 minutes 35 seconds West along West line of said quarter quarter section of said Section 7 a distance of 462.89 feet; thence North 89 degrees 36 minutes 06 seconds East 247.50 feet; thence North 00 degrees 13 minutes 35 seconds West parallel with said West Line 176.00 feet; thence South 89 degrees 36 minutes 06 seconds West 247.50 feet to the place of beginning, containing 36.923 acres, more or less, subject to all legal highways, rights-of-way, easements, and restrictions of record.



SOILS MAP
SCALE: 1"=400'

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 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 with 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 to 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: HeF - Hennepin loam, 25 to 50 percent slopes

HeF - Hennepin loam, 25 to 50 percent slopes
This well drained soil has a water table at a depth greater than 40 inches and is on side slopes on uplands. Slopes are 25 to 50 percent. The native vegetation is hardwoods. The surface layer is loam and has moderate organic matter content (1.0 to 4.0 percent). Permeability is slow (0.6 to 0.2 in/hr) in the most restrictive layer above 60 inches. Available water capacity is low (3.5 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 6.1 to 8.4. Droughtiness and water erosion are management concerns for crop.

Map Unit: MmA - Miami silt loam, 0 to 2 percent slopes, gravelly substratum

MmA - Miami silt loam, 0 to 2 percent slopes, gravelly substratum
This well drained soil has a water table at a depth greater than 40 inches and is on uplands. Slopes are 0 to 2 percent. The native vegetation is hardwoods. The surface layer is silt loam and has moderately low organic matter content (1.0 to 3.0 percent). Permeability is moderately slow (0.2 to 0.6 in/hr) in the most restrictive layer above 60 inches. Available water capacity is moderate (7.7 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 5.1 to 6.0. Droughtiness is a management concern for crop production.

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

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

Map Unit: MoC3 - Miami clay loam, 6 to 18 percent slopes, severely eroded

MoC3 - Miami clay loam, 6 to 18 percent slopes, severely eroded
This moderately well drained soil has a seasonal high water table at 2.0 to 3.5 ft. and is on side slopes and rises on uplands. Slopes are 6 to 18 percent. The native vegetation is hardwoods. The surface layer is silt loam and has moderate potential frost action, moderate shrink-swell potential and moderate permeability. In addition, erosion is a hazard during construction. This soil has moderate limitations for building sites. This soil has severe limitations for local roads and streets because of low strength. The base material for roads and streets should be replaced or strengthened with suitable material.

Map Unit: Sh - Shoals silt loam

Sh - Shoals silt loam
This nearly level, deep, and somewhat poorly drained soil is on floodplains. It is subject to frequent flooding. Permeability is moderate. Available water capacity is high. Content of organic matter in the surface layer is moderate. The water table is commonly at a depth of 1 to 3 feet in winter and spring. Surface runoff is slow. The surface layer of this soil is friable and is easy to till within a wide range of moisture content. In many areas this soil is drained with subsurface tile and used for hay and pasture.

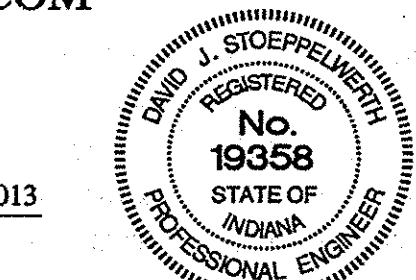
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AUG 08 2018
OFFICE OF HAMILTON COUNTY SURVEYOR

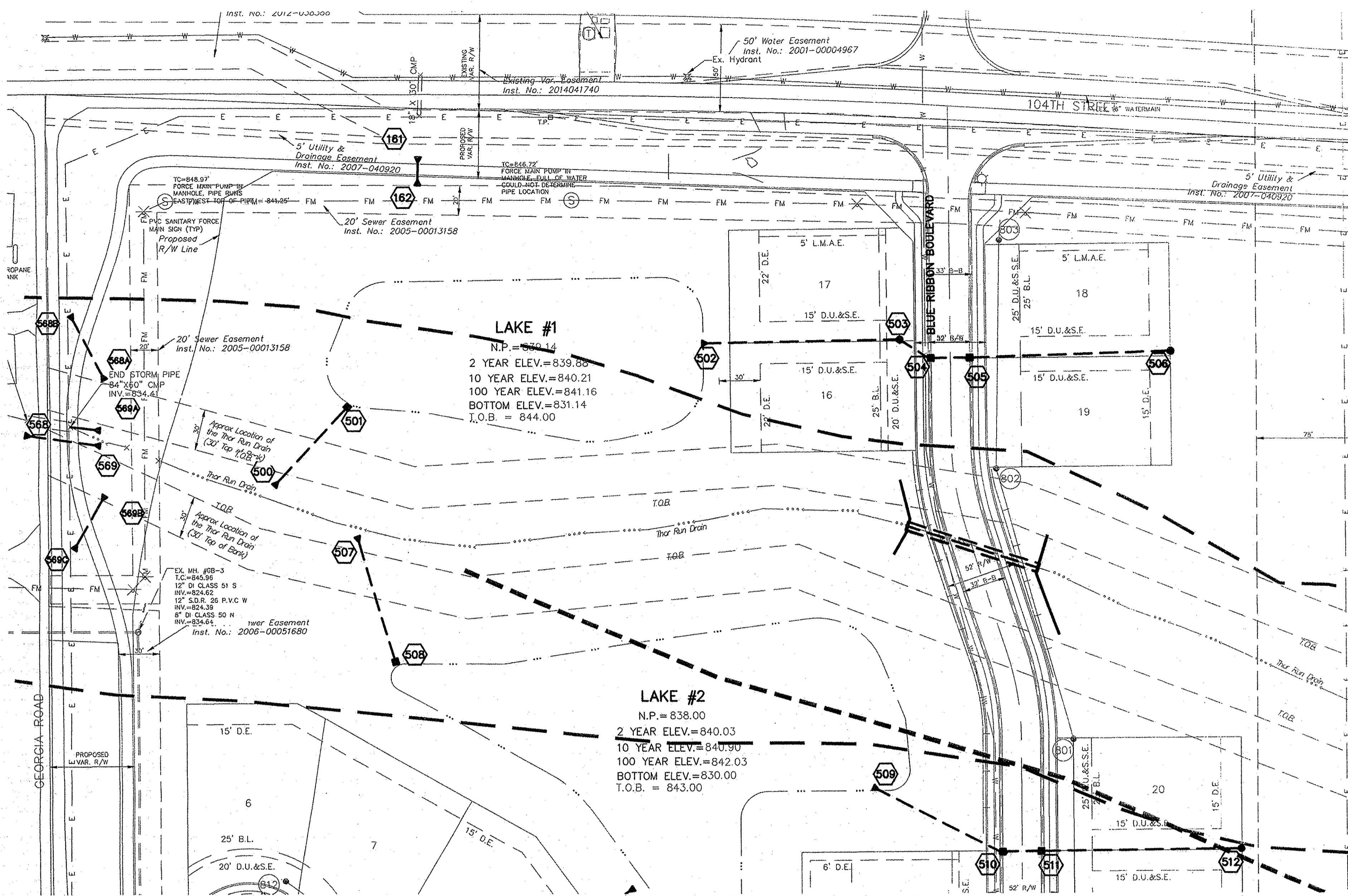
RECORD DRAWING

Dennis D. Olmsted
Registered Land Surveyor
No. 900012
STATE OF INDIANA

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
BROBINSON@STOEPPELWERTH.COM

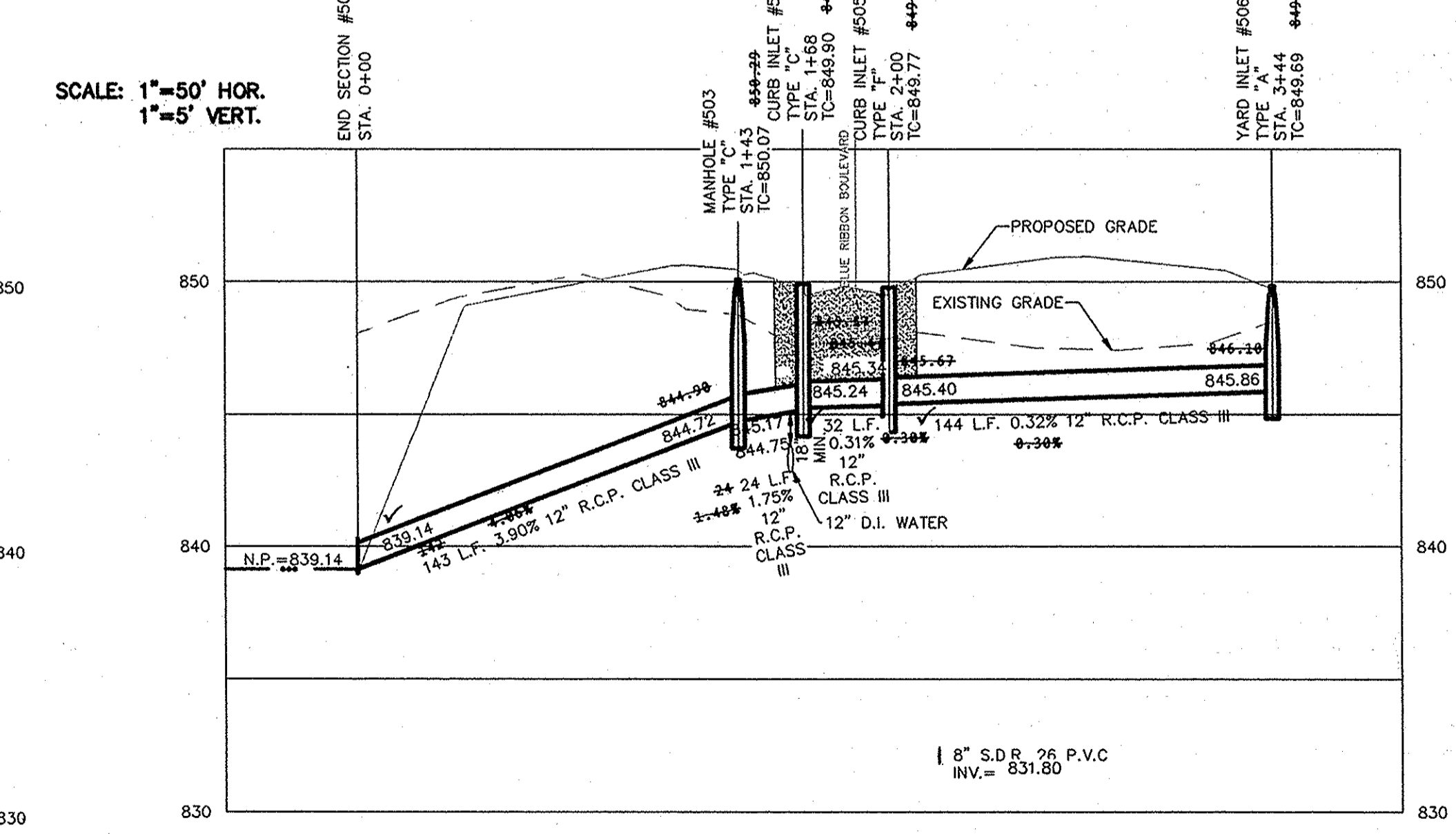
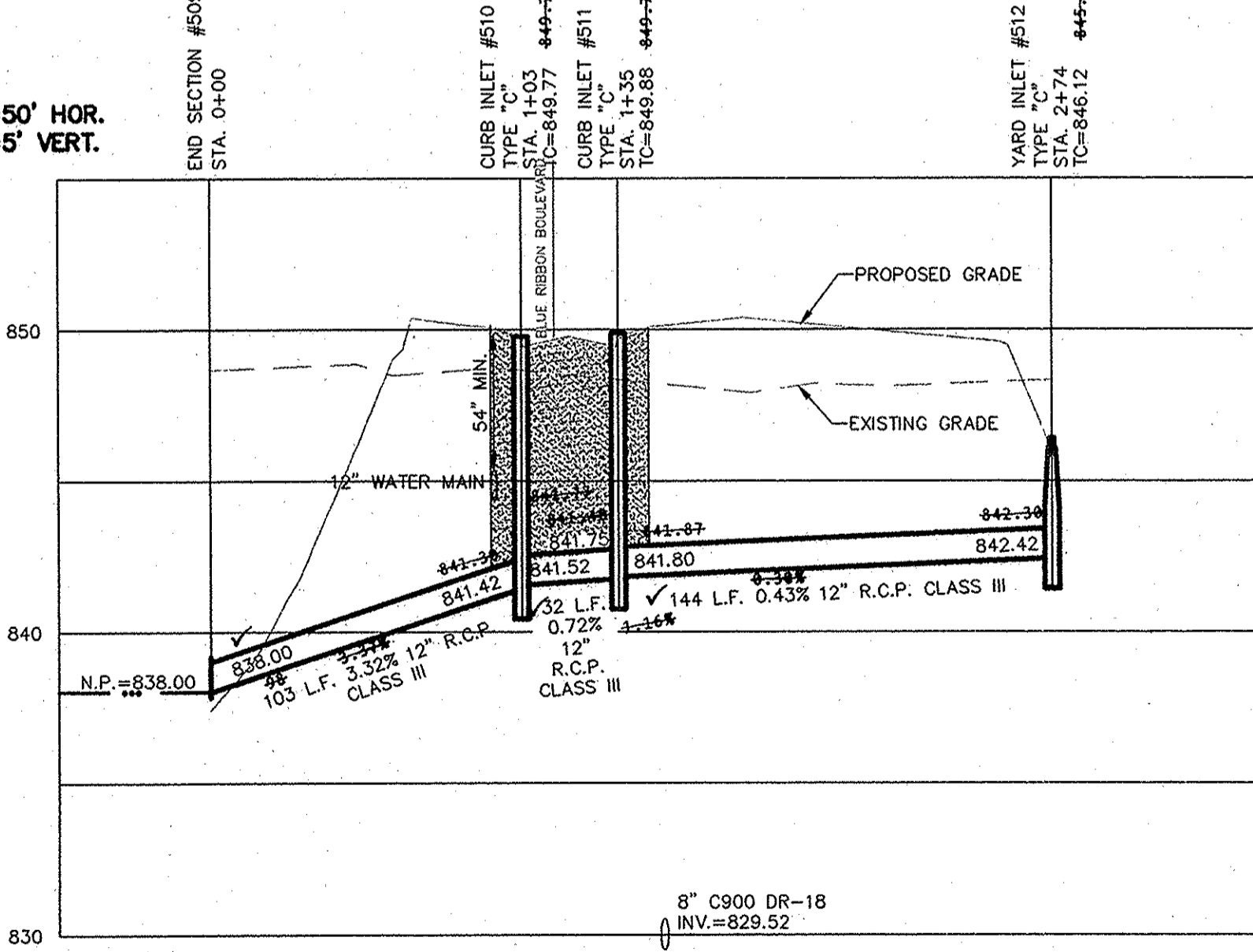
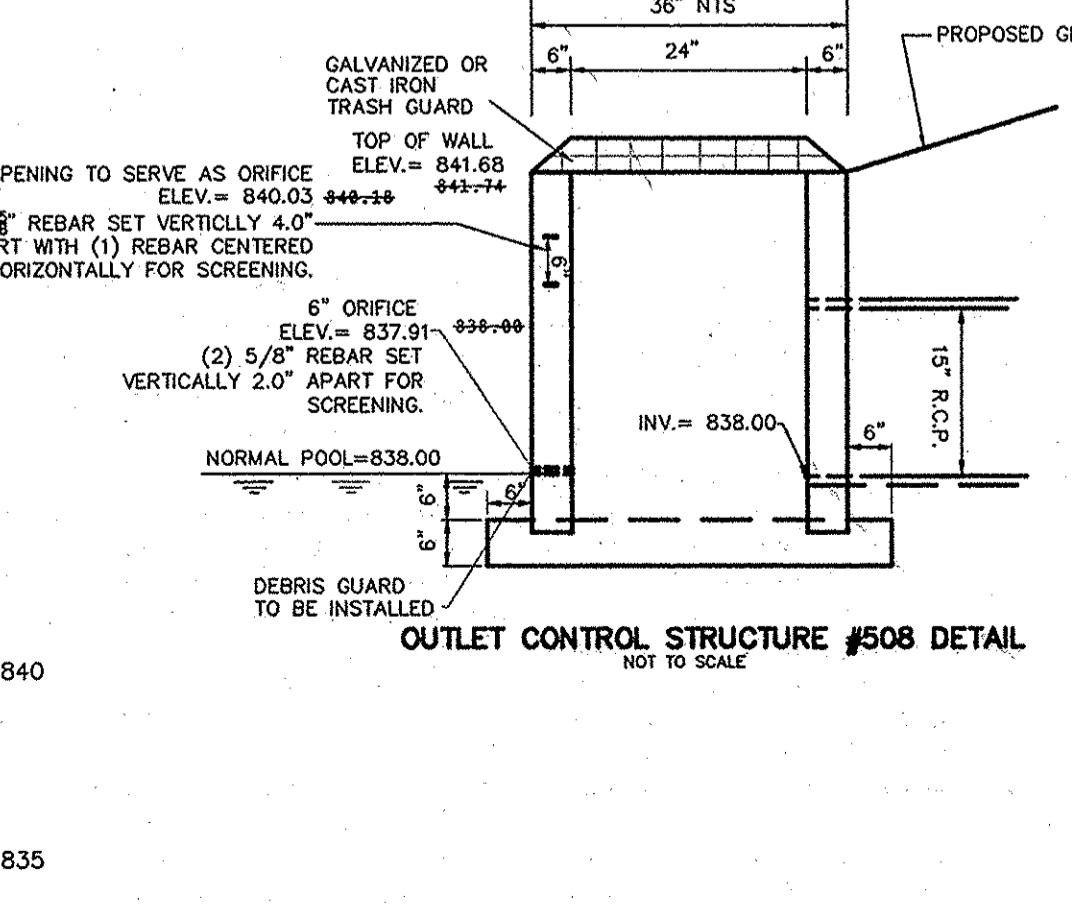
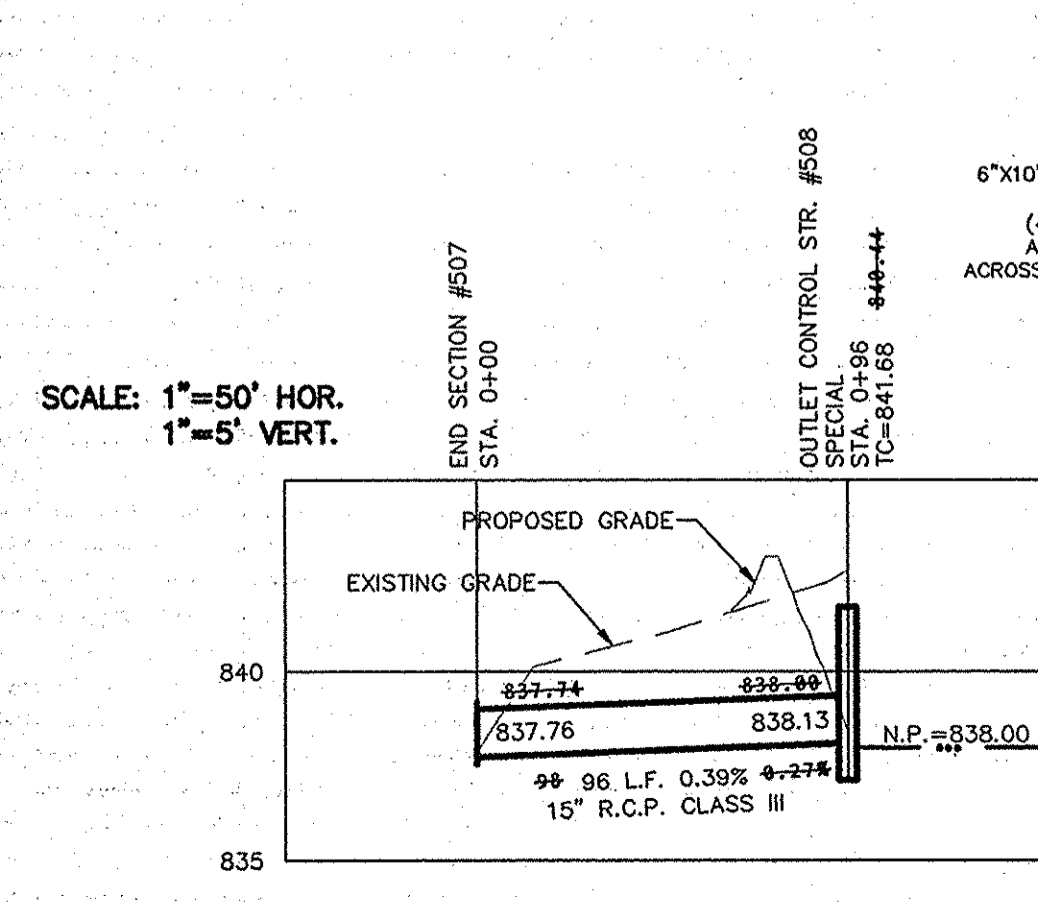
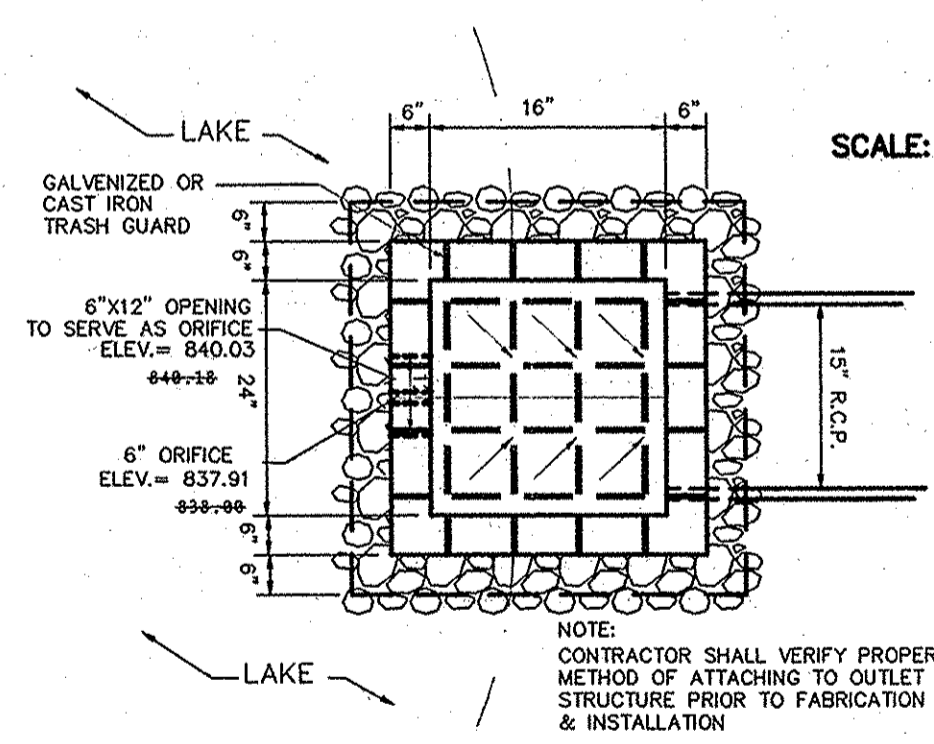
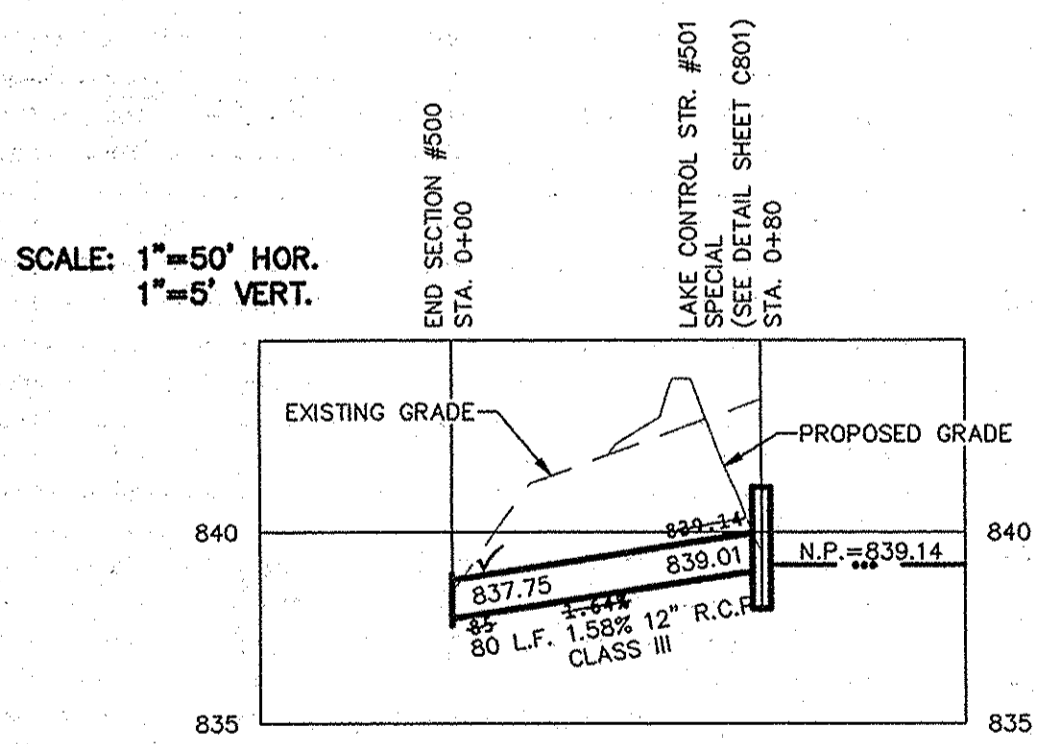
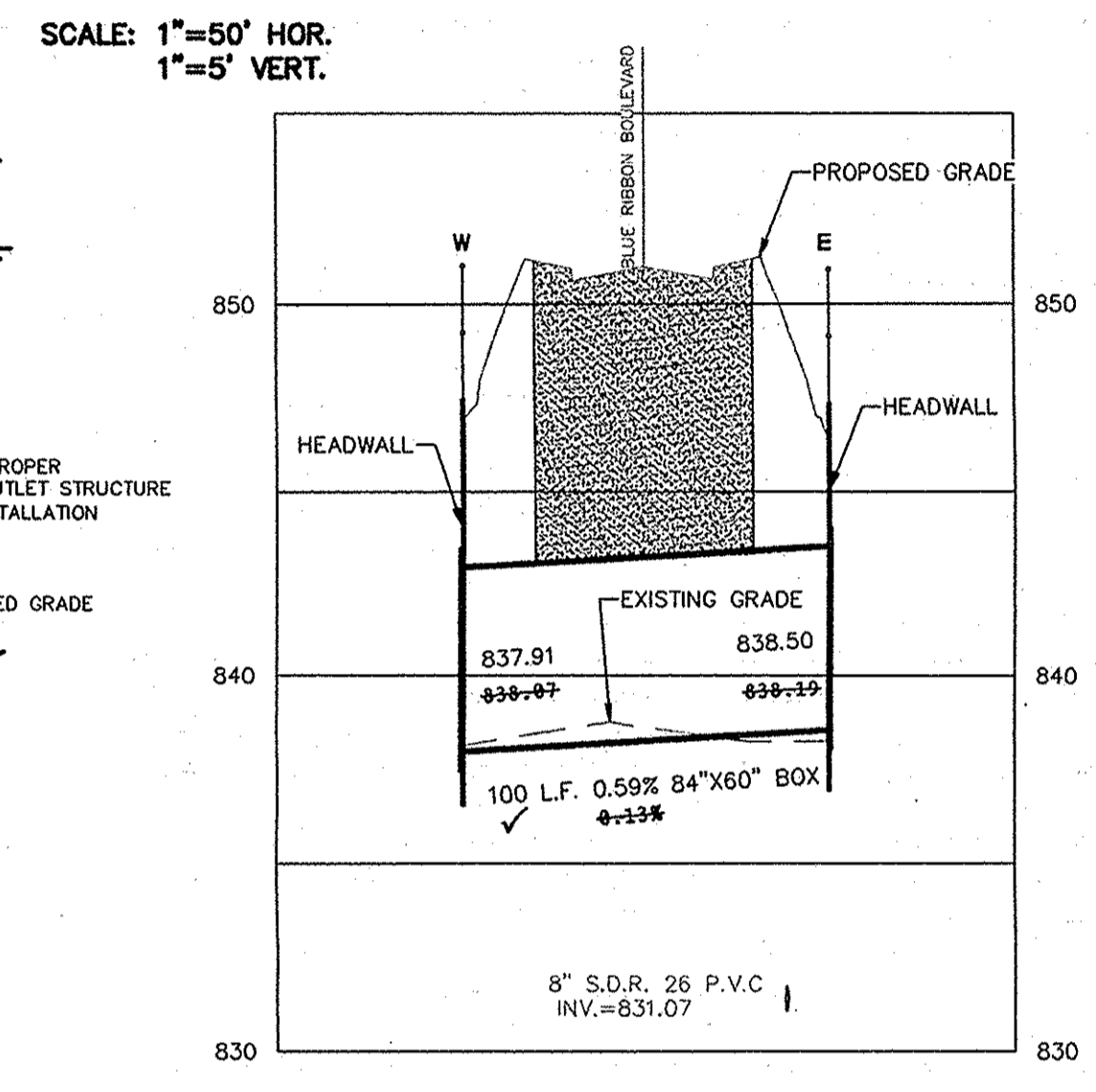
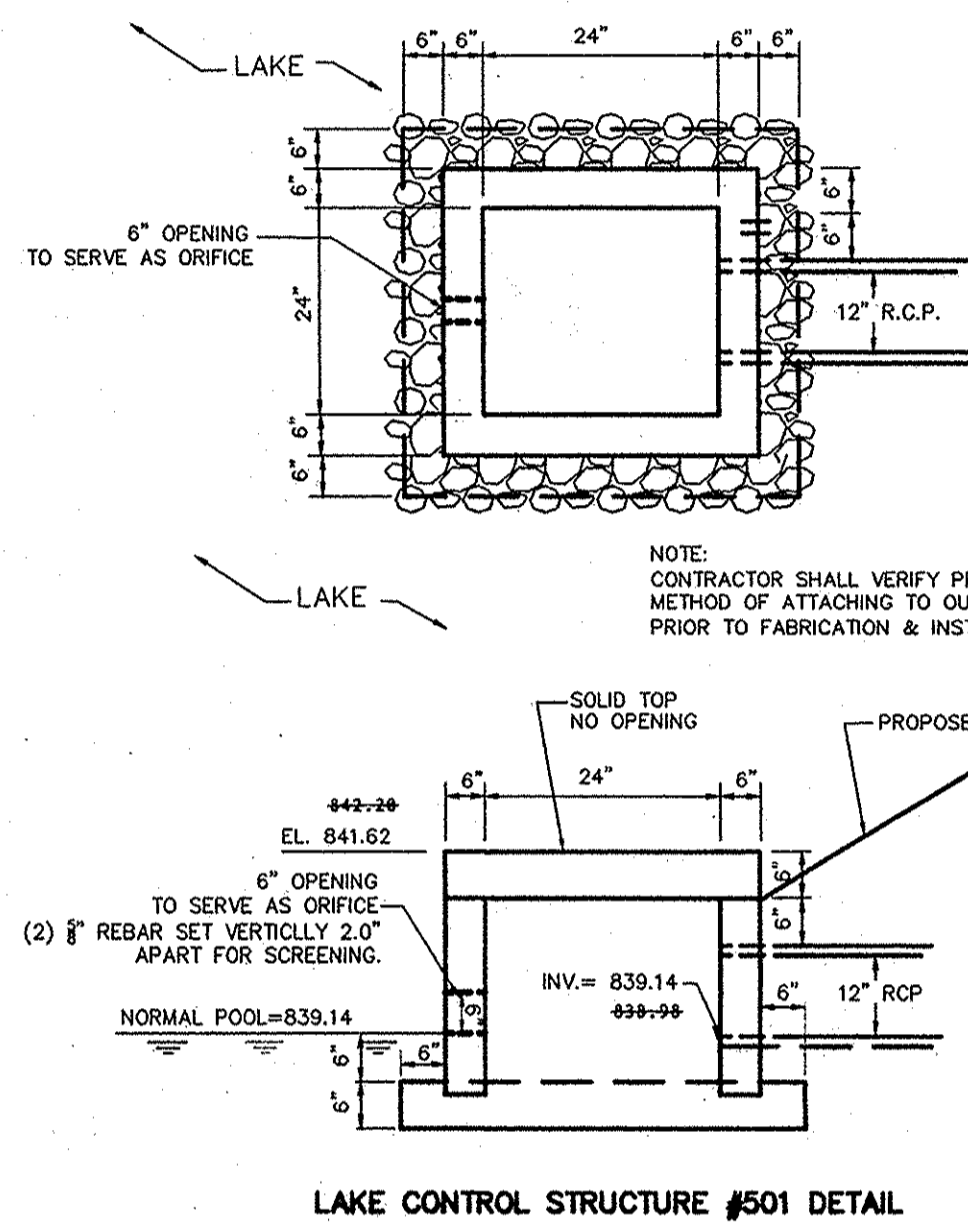
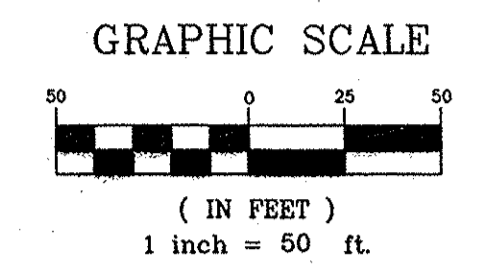
PLANS CERTIFIED BY:
David J. Stoepelwerth
12/2/2013





■ DENOTES FULL DEPTH GRANULAR BACKFILL

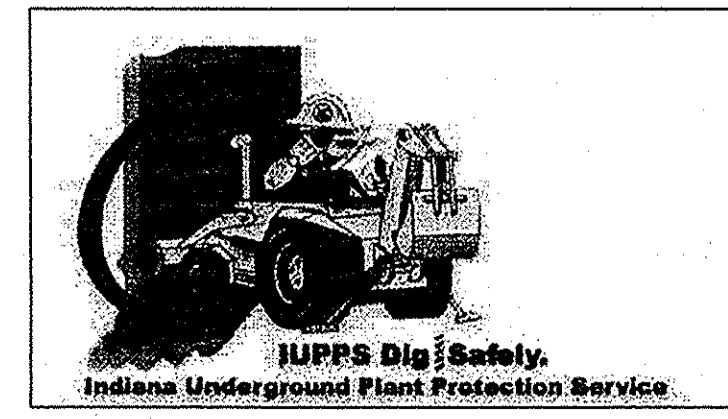
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RECORD DRAWING

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 Entry Date: 2/11/15
 Entered By: SLM

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012



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 7865 East 104th Street, Fishers, IN 46038-2505
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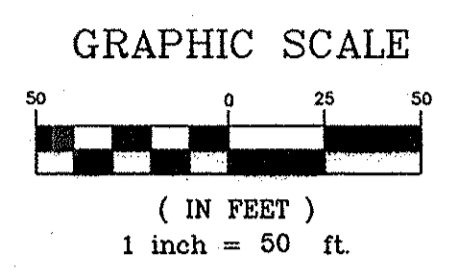
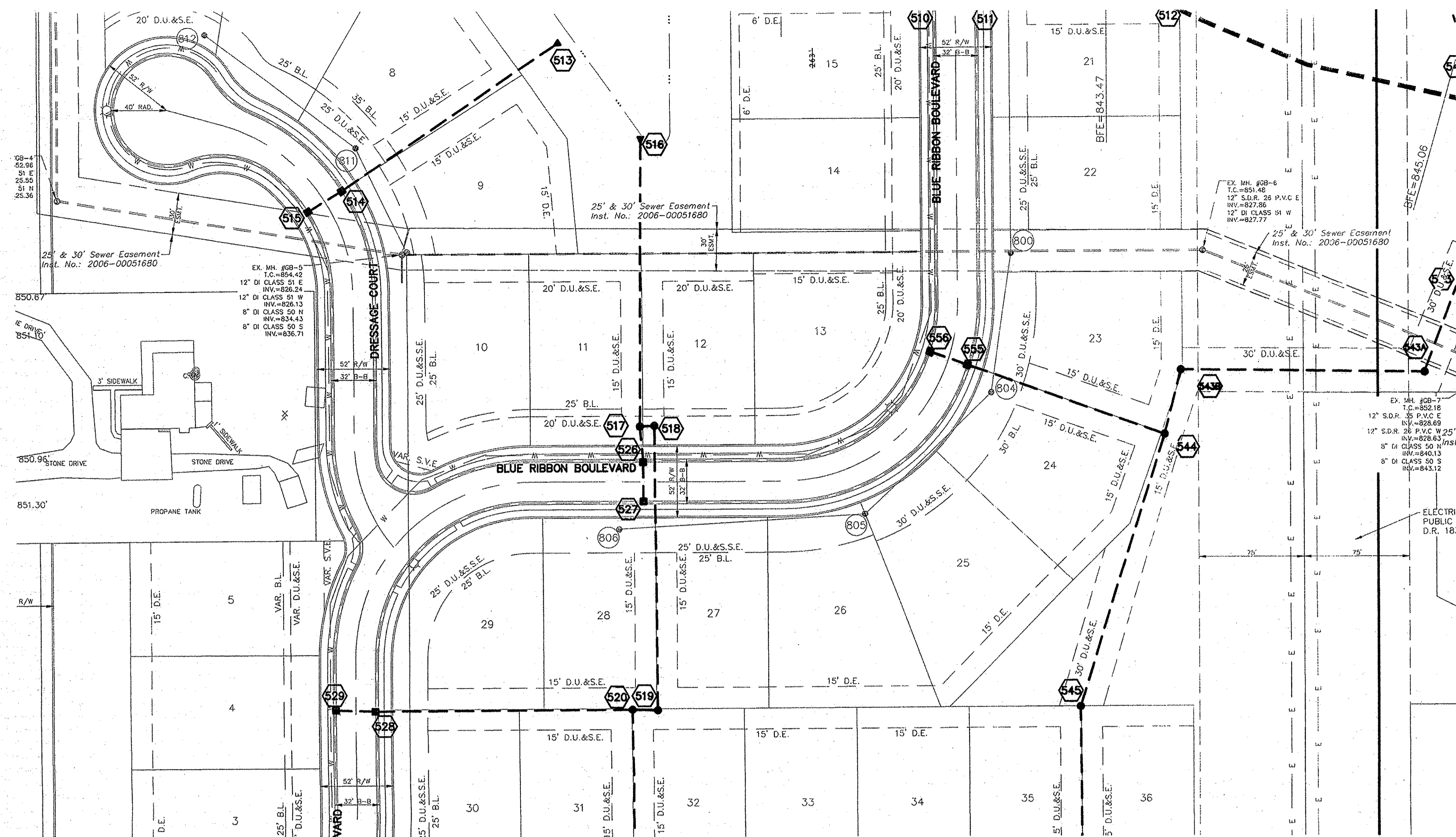
REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 CERTIFIED: 12/02/13
 David J. Steppelwerth

ASBUILT REVISED PER FISHERS COMMENTS 09/04/15
 DCM 11/04/14
 DCM REVISED PER SAMCO COMMENTS 02/26/14
 CWM REVISED PER FISHERS COMMENTS 02/26/14
 DCM REVISED PER FISHERS STUDY 02/22/14
 KJAM REVISED PER FISHERS COMMENTS 02/07/14
 DCM REVISED PER TAC COMMENTS 02/07/14
 BY:

STORM PLAN & PROFILES
 THE RESERVE AT STEEPLECHASE
 SECTION 1
 HAMILTON COUNTY, INDIANA
 FISHERS

DRAWN BY: KRG CHECKED BY: BKR
 SHEET NO. C600
 S & A JOB NO. 50060MI-S1

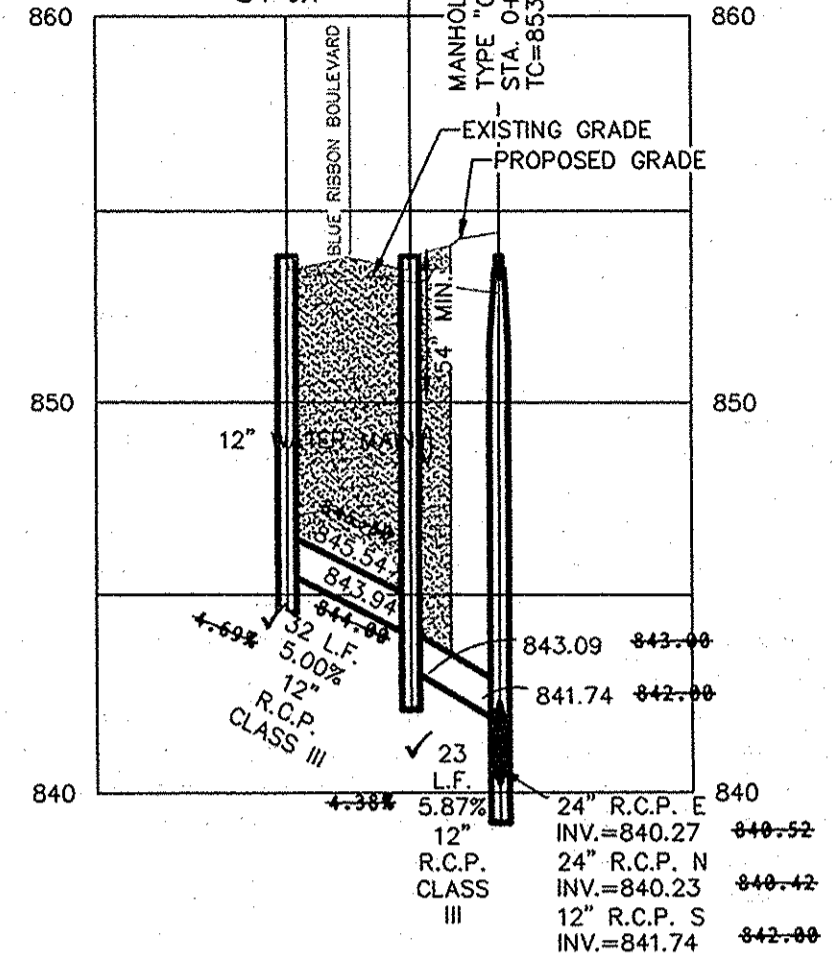
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 Plotted / By: August 11, 2015 2:00:14 PM / Kenny Mitchell



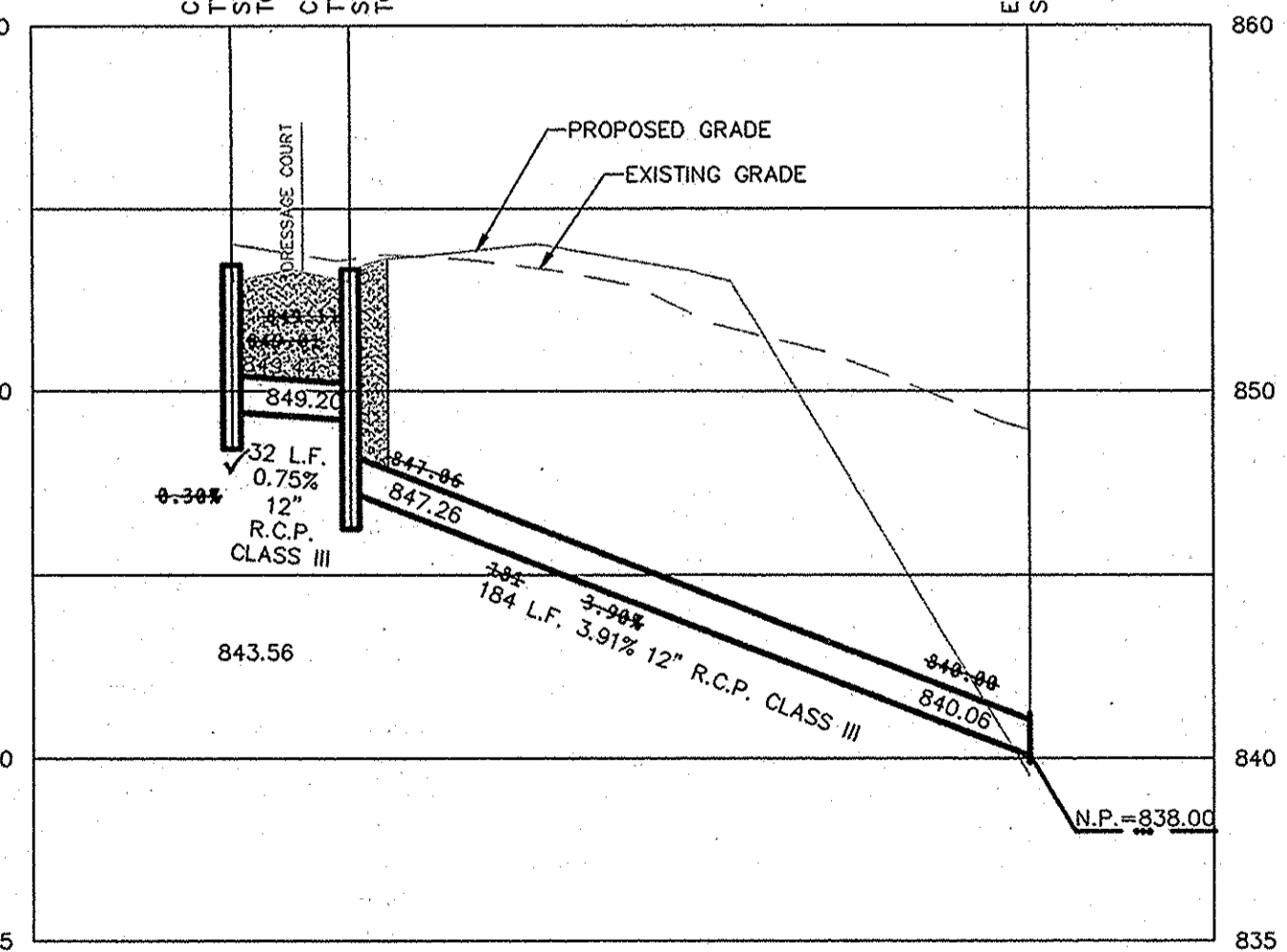
DENOTES FULL DEPTH GRANULAR BACKFILL

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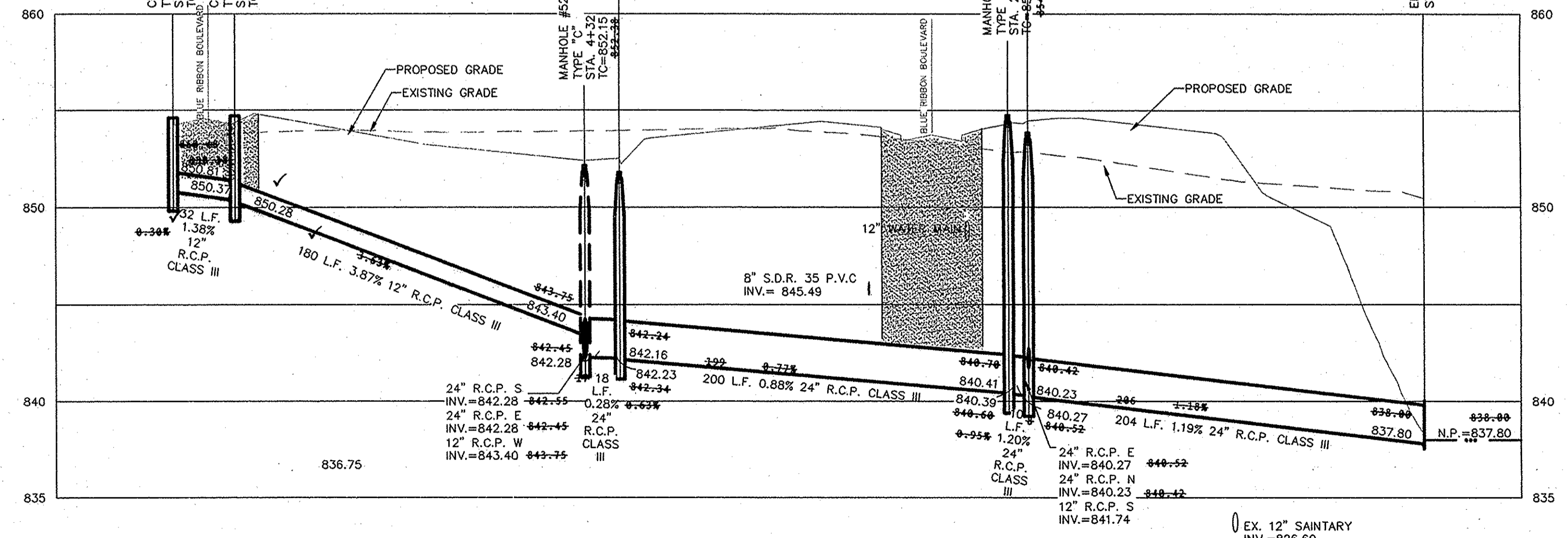
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1"=5' VERT.



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



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



RECORD DRAWING

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

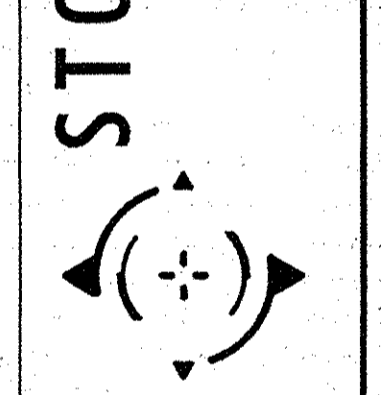


DATE	MARK	REVISIONS
08/04/15		ASBUILT
07/07/14		REVISED PER FISHERS COMMENTS
08/26/14		REVISED PER SANICO COMMENTS
09/07/14		REVISED PER FISHERS COMMENTS
07/04/14		REVISED PER TAC COMMENTS
		DCM
		DCM
		DCM
		BT

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

CERTIFIED: 12/02/13
David J. Stoppelwerth
REGISTERED PROFESSIONAL ENGINEER
No. 19358
STATE OF INDIANA

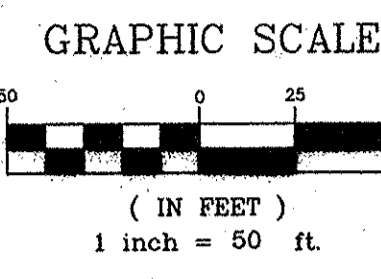
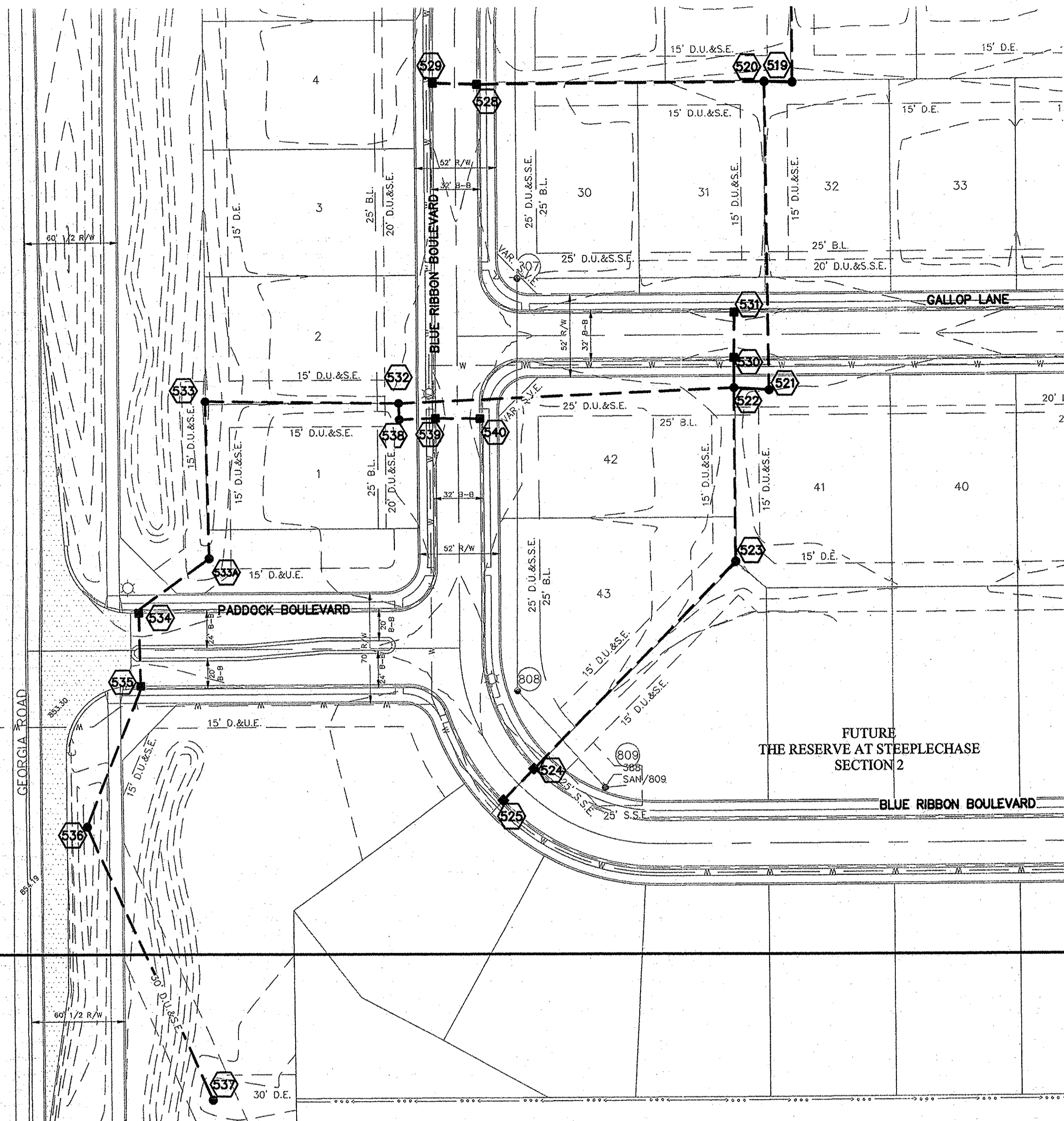
STOEPPELWERTH
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795 East 10th Street, Fishers, IN 46038-2505
phone: 317.949.5195 fax: 317.949.5942



STORM PLAN & PROFILES
THE RESERVE AT STEEPLECHASE
SECTION 1
HAMILTON COUNTY, INDIANA
FISHERS

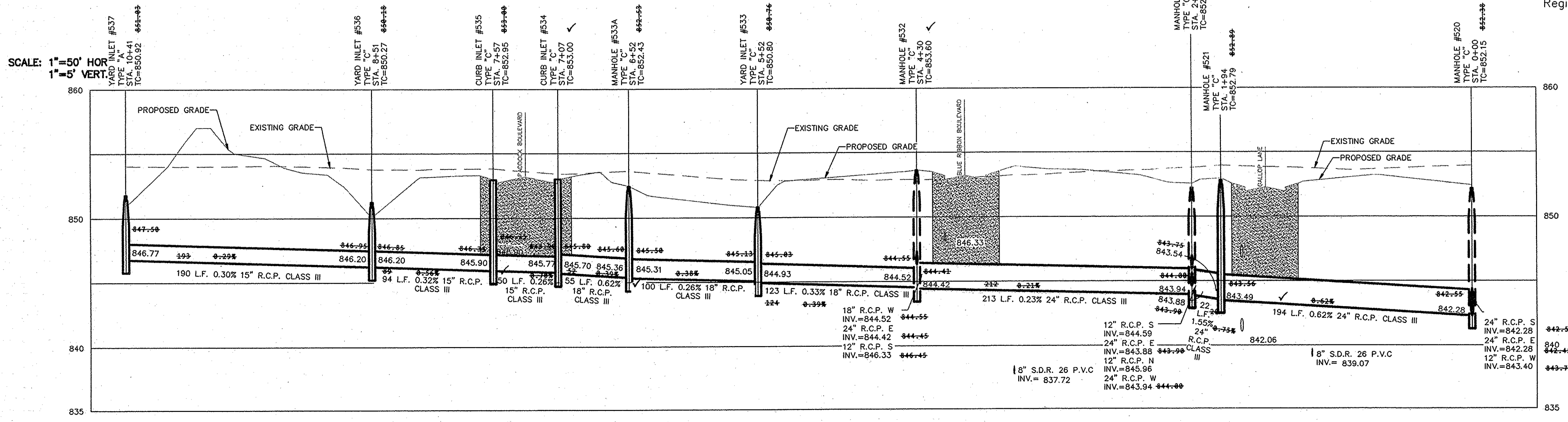
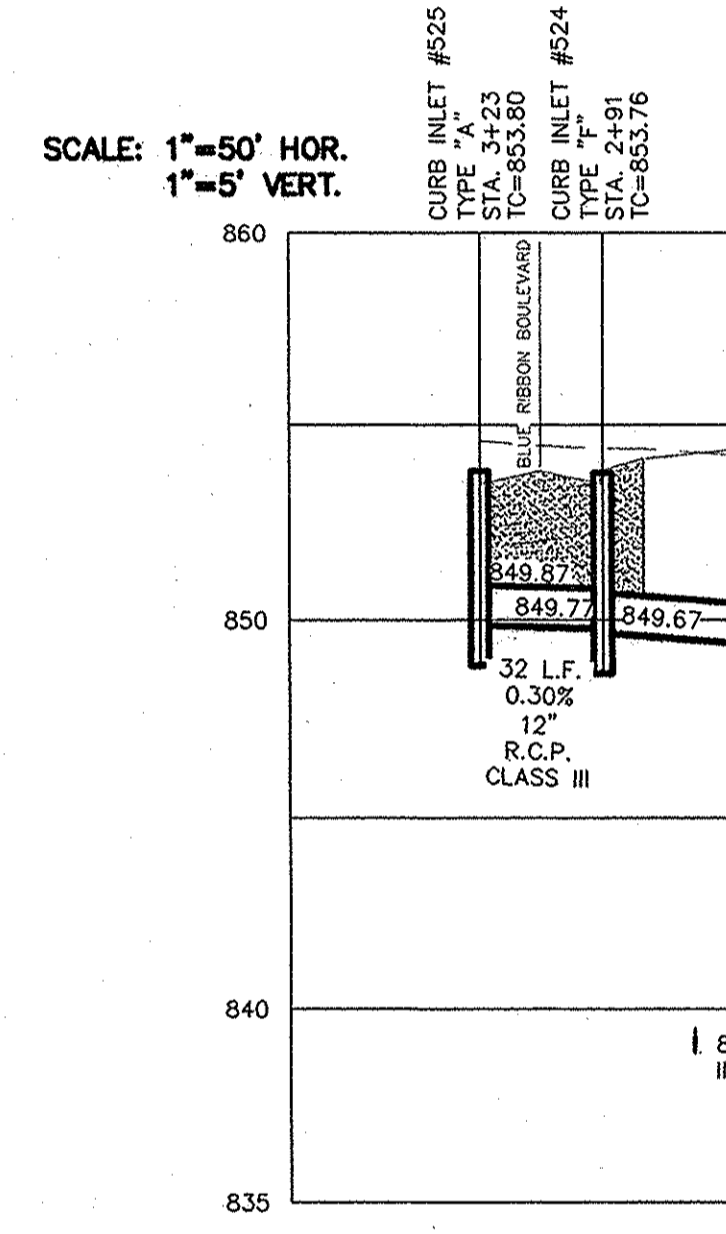
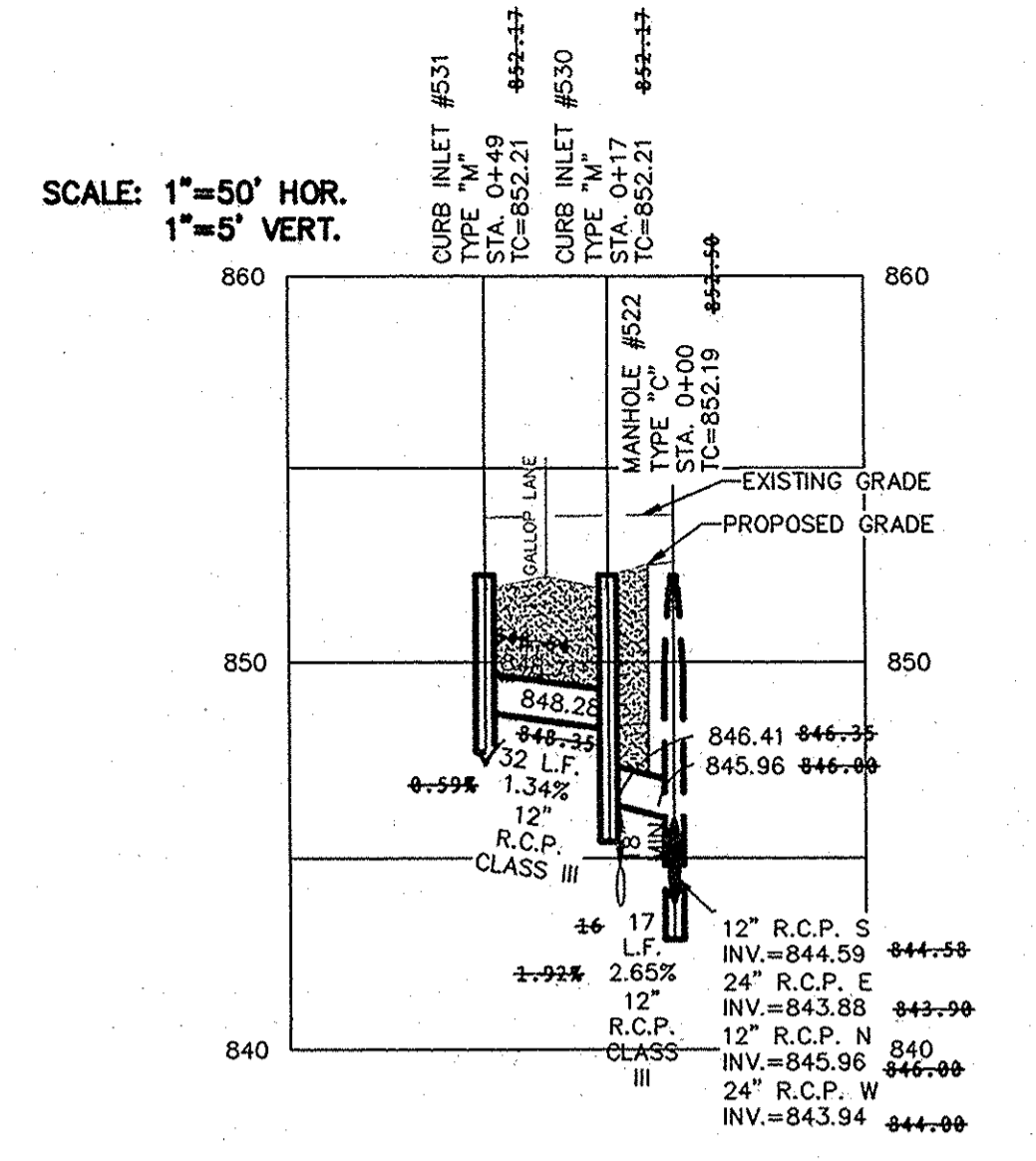
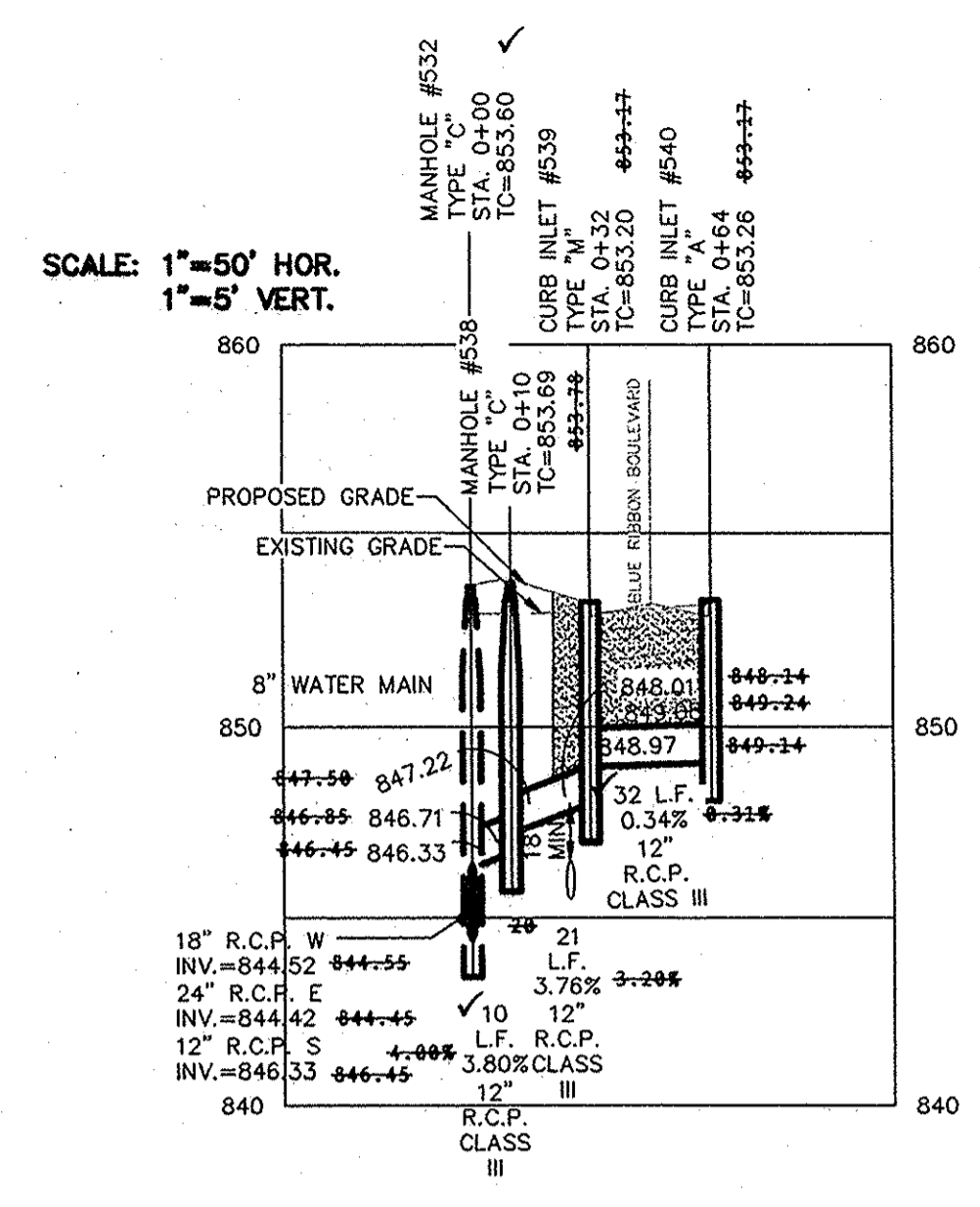
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CHECKED BY: BKR
SHEET NO. C601
S & A JOB NO. 50060MI-S1

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 August 11, 2015 11:58:38 AM / awilson
 Plotted / By: August 11, 2015 2:00:44 PM / Kenny Mitchell



DENOTES FULL DEPTH GRANULAR BACKFILL

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 Entry Date: 2018
 Entered By: SLM

RECORD DRAWING

DENNIS D. OLMSTEAD
 Registered Land Surveyor
 No. 900012
 DATE: 8/11/2015



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 CHECKED BY: BKR
 SHEET NO. C602
 3 x A 302.10
 50060MI-S1

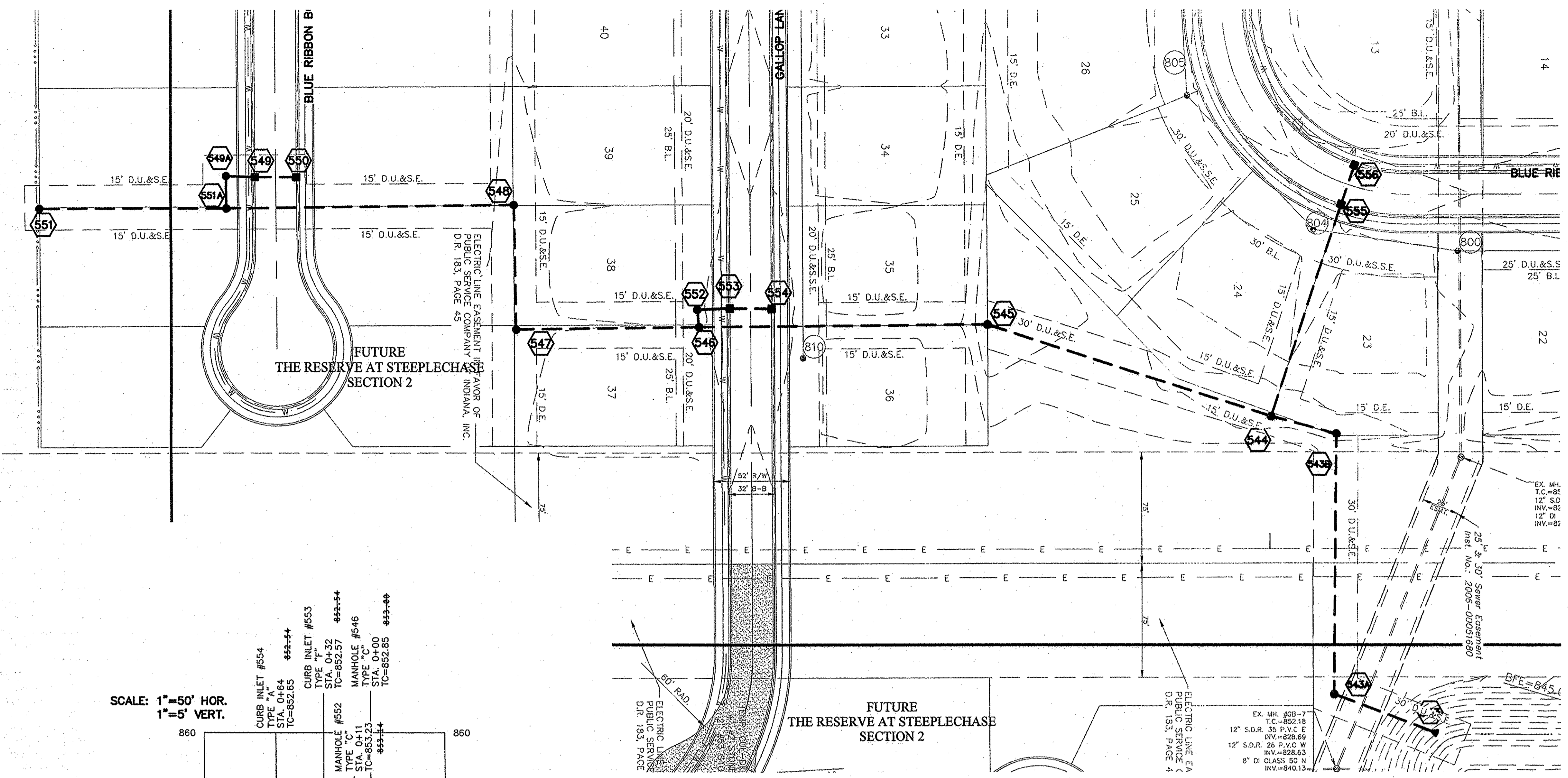
STORM PLAN & PROFILES
 THE RESERVE AT STEEPLECHASE SECTION 1
 FISHERS
 HAMILTON COUNTY, INDIANA

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR SURVEY OR A SURVEYOR LOCATION REPORT.
 CERTIFIED: 12/02/13
 David J. Stoeppelwerth
 REGISTERED PROFESSIONAL ENGINEER
 No. 13358
 STATE OF INDIANA

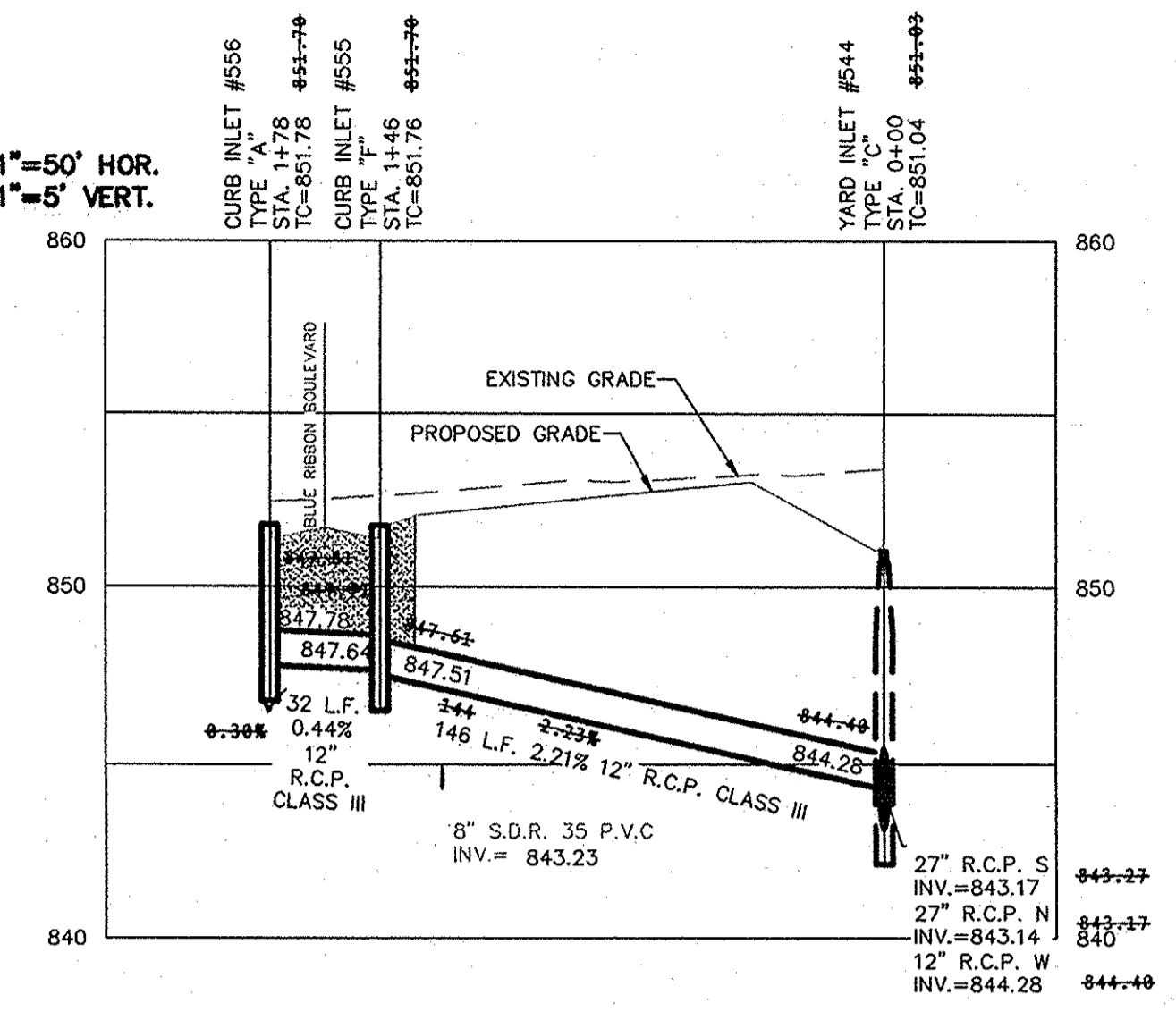
REV	DATE	MARK	REVISIONS
ARW			AS BUILT
DOA			REVISED PER FISHERS COMMENTS
DOA			REVISED PER FISHERS COMMENTS
KJM			REVISED PER FISHERS COMMENTS
DOA			REVISED PER TAC COMMENTS
BY			

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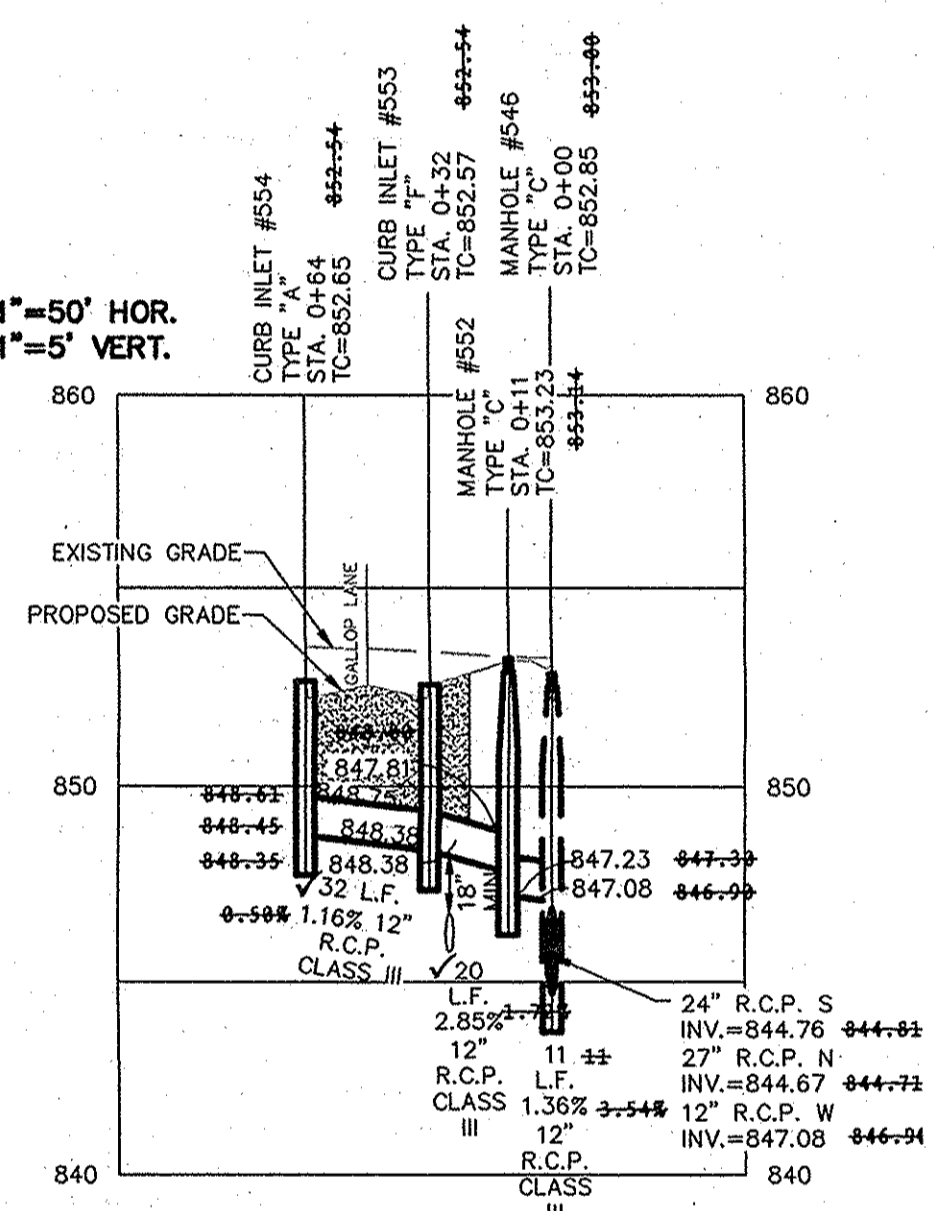
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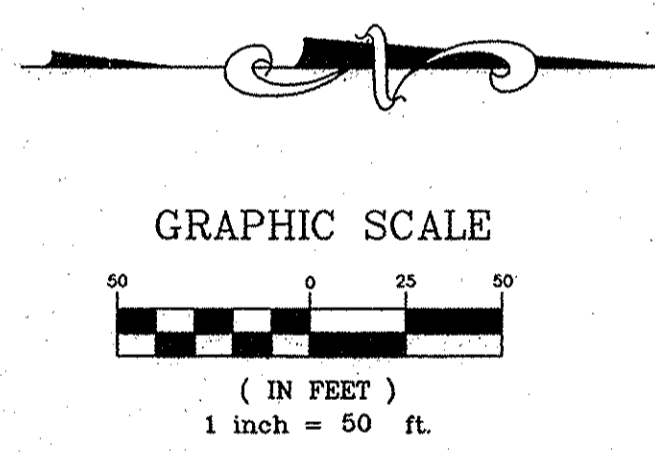
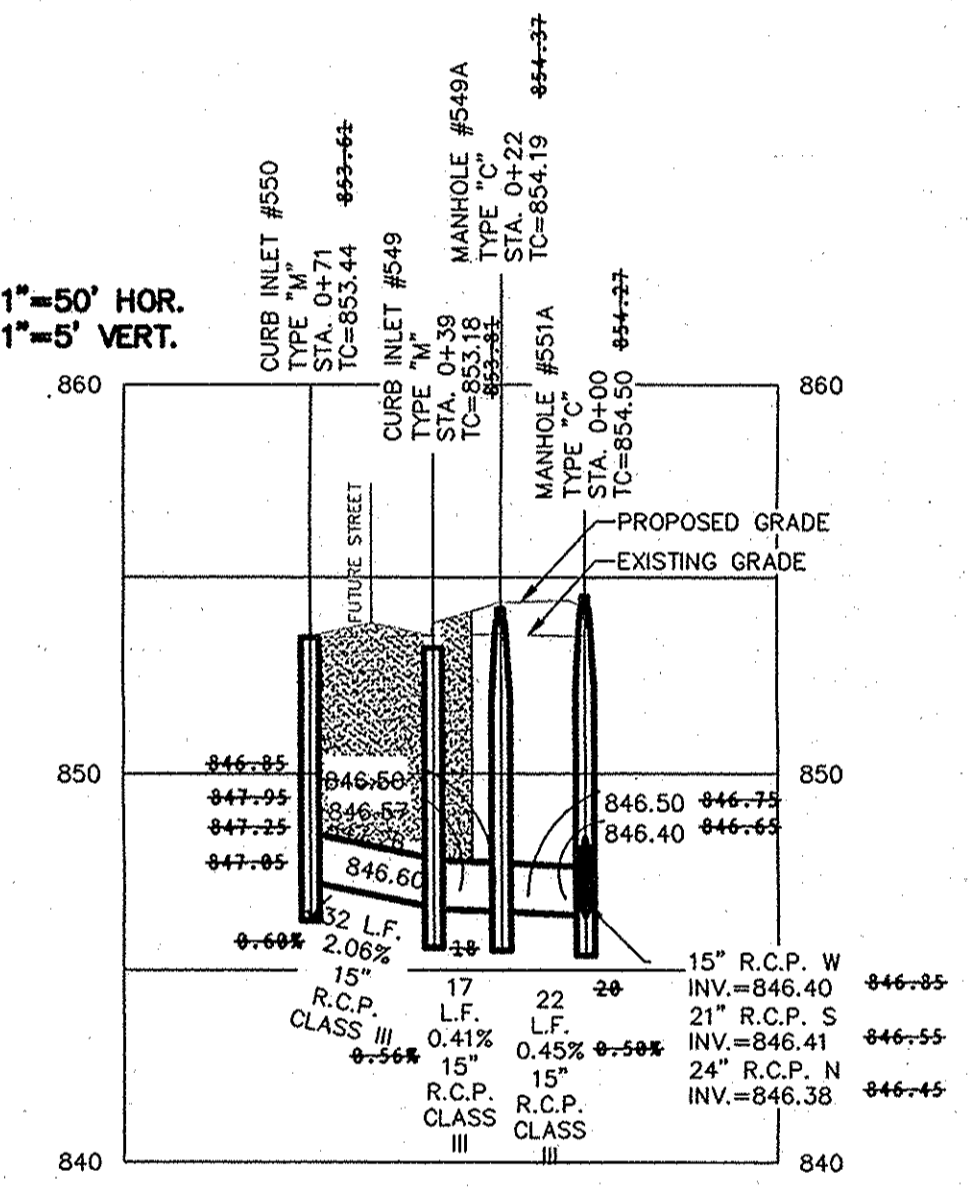
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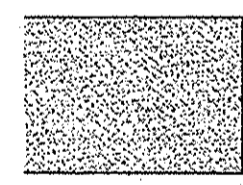


SCALE: 1"=50' HOR.
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SCALE: 1"=50' HOR.
 1"=5' VERT.



 DENOTES FULL DEPTH GRANULAR BACKFILL

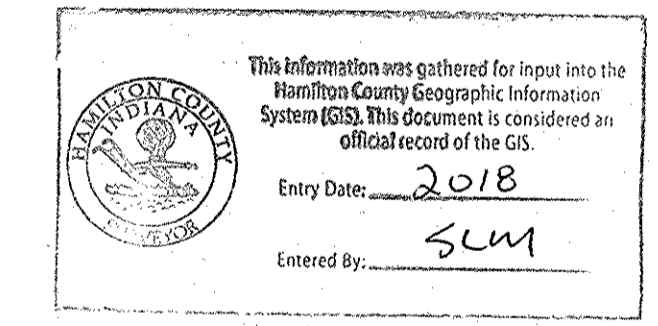
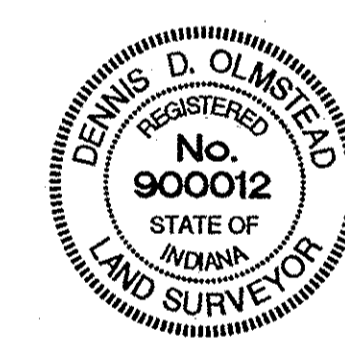
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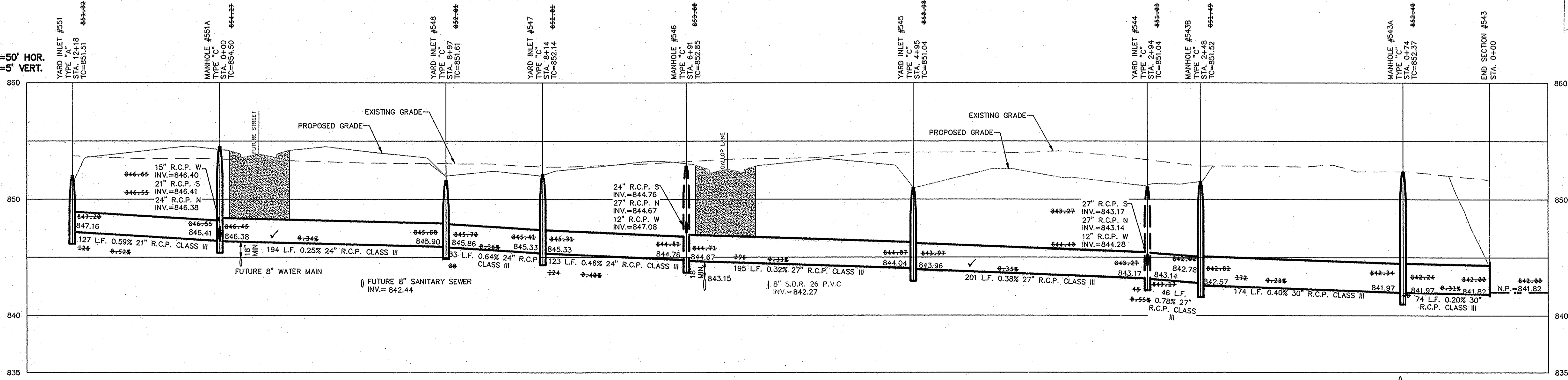
RECORD DRAWING

D.D.O.
 DENNIS D. OLMSTEAD
 Registered Land Surveyor
 No. 900012

8/11/2015
 DATE



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



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 ALWAYS ON
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 phone: 317.899.2905 fax: 317.896.5942

STORM PLAN & PROFILES
 THE RESERVE AT STEEPLCHASE
 SECTION 1

DRAWN BY: KRG CHECKED BY: BKR
 SHEET NO. C603
 S & A JOB NO. 50060MI-S1

REV	DATE	BY	REVISIONS
ASBUILT	08/04/15	ASBUILT	REVISED PER FISHERS COMMENTS
DCM	08/04/15	DCM	REVISED PER SAMCO COMMENTS
KLM	08/07/14	KLM	REVISED PER FISHERS COMMENTS
DCM	08/07/14	DCM	REVISED PER TAC COMMENTS
DCM	08/07/14	DCM	REVISED PER TAC COMMENTS

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CERTIFIED: 12/02/13
David J. Steppelwerth
 David J. Steppelwerth
 Registered Professional Engineer

RECORD DRAWING

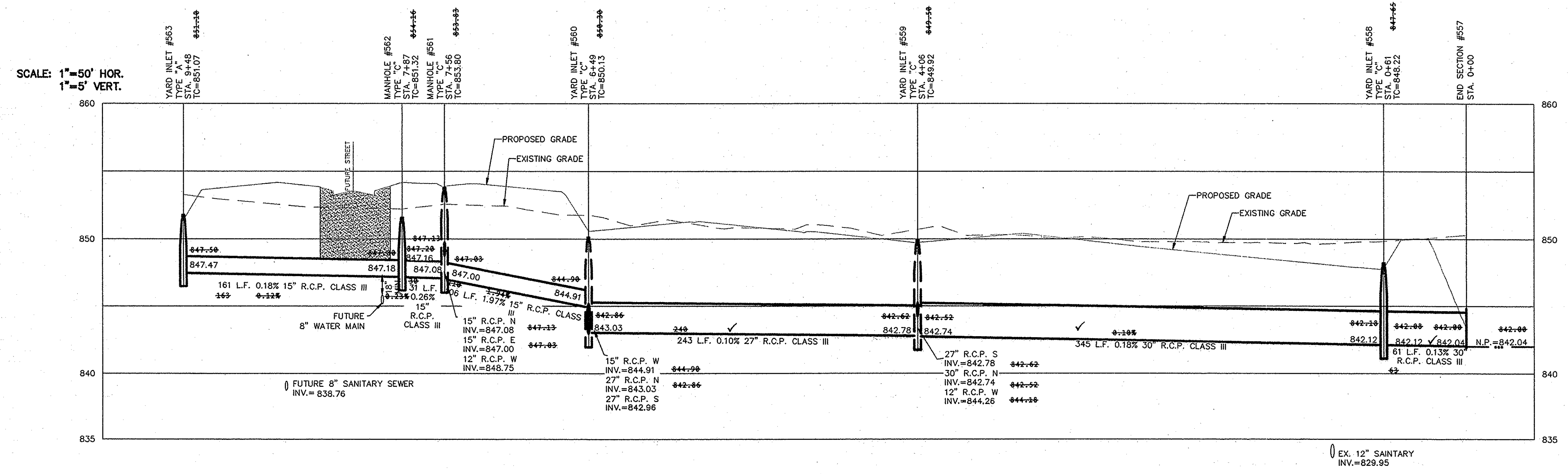
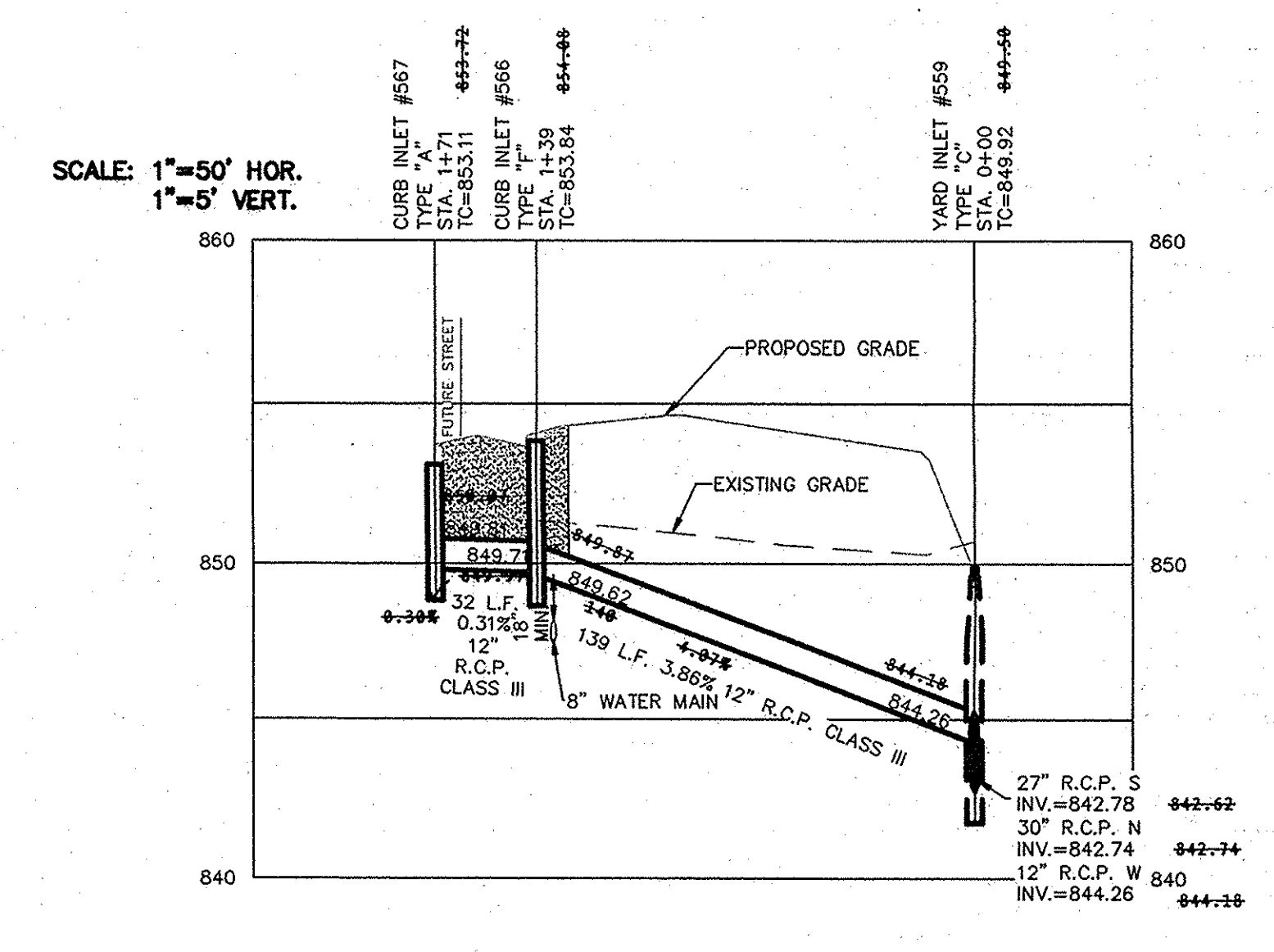
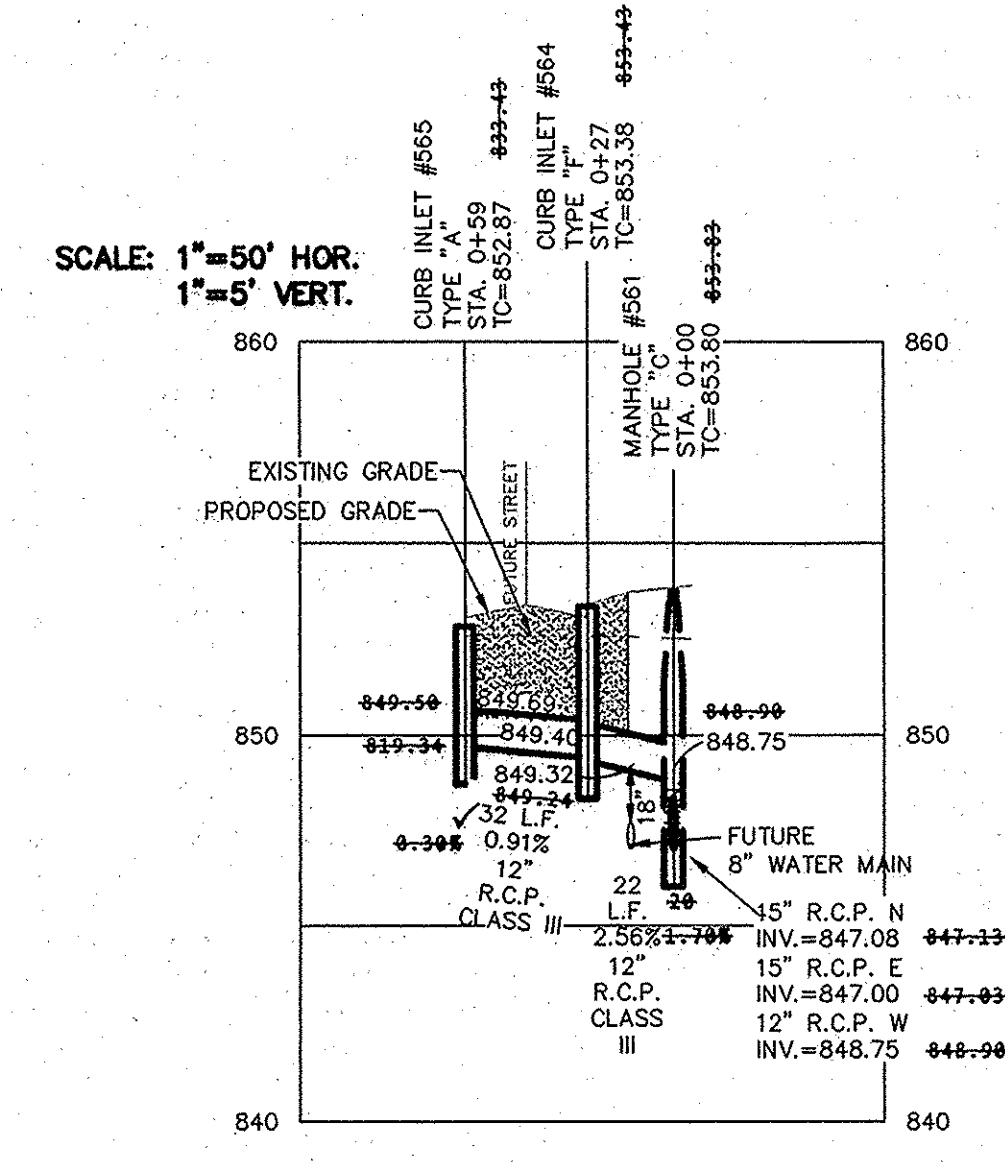
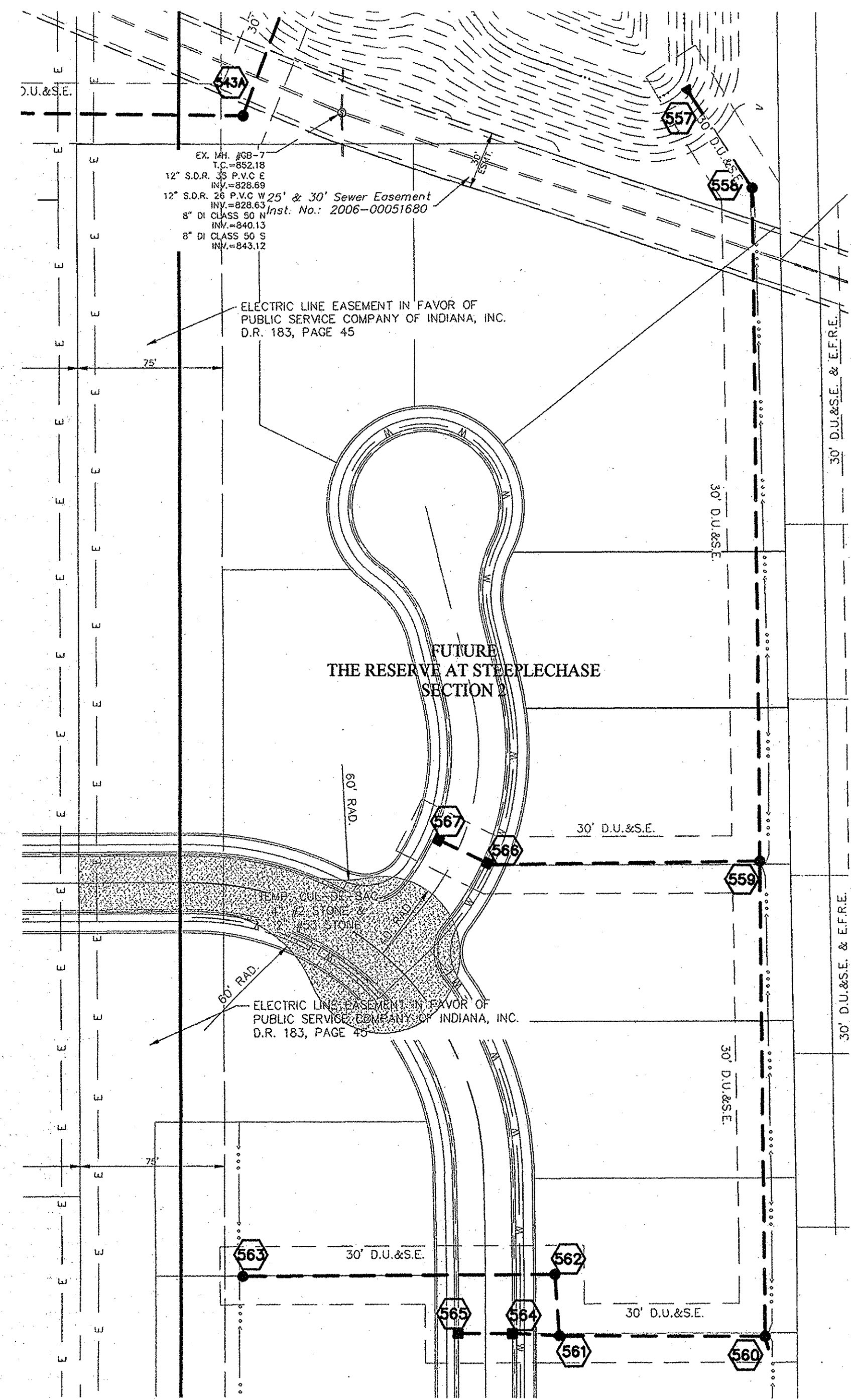
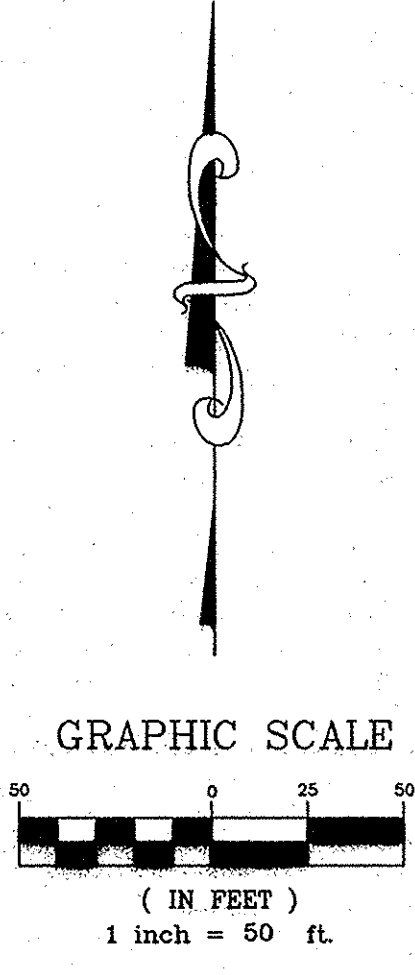
D.D.O. 8/11/2015
 DENNIS D. OLMSTEAD
 Registered Land Surveyor
 No. 900012



DENOTES FULL DEPTH GRANULAR BACKFILL

NOTES:

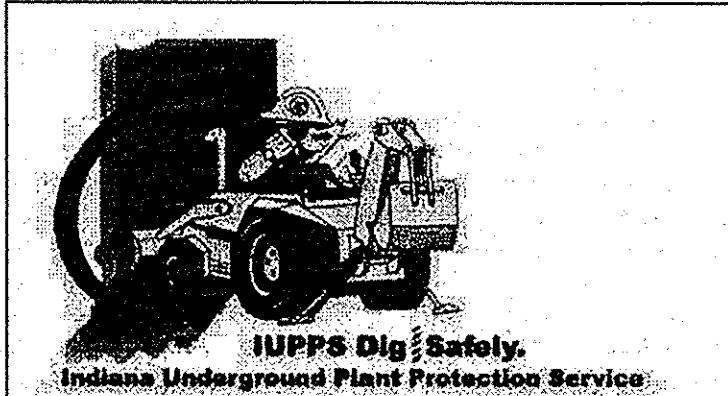
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 Entered By: SLM



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ASBUILT	REVISIONS
REVISED PER FISHERS COMMENTS	DATE
REVISED PER SAMCO COMMENTS	MARK
REVISED PER FISHERS COMMENTS	DATE
REVISED PER TAC COMMENTS	DATE

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 CERTIFIED: 12/02/13
David J. Stoeppelwerth

STOEPPELWERTH
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 705 East 108th Street, Fishers, IN 46038-2505
 phone: 317.849.5935 fax: 317.849.5942

STORM PLAN & PROFILES
THE RESERVE AT STEEPLECHASE SECTION 1
 FISHERS HAMILTON COUNTY, INDIANA

DRAWN BY: KRG
 CHECKED BY: BKR
 SHEET NO. **C604**
 S & A JOB NO. 50060M1-S1

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