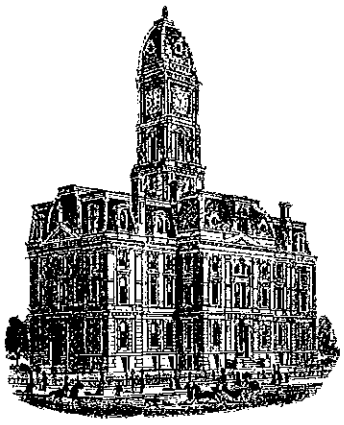

SURVEYOR'S OFFICE

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

February 25, 2015

To: Hamilton County Drainage Board

Re: Benton Hinesley Drain Extension, South Drive Arm

Attached is a petition, drainage shed maps, construction plans and schedule of assessments for the construction of the South Drive Arm of the Benton Hinesley Drain.

The Board of Commissioners of Hamilton County petitioned the Hamilton County Drainage Board for an extension of the Benton Hinesley Drain on September 12, 2012 (see Hamilton County Drainage Board Minutes Book 14, page 280). The petitioner is responsible for the maintenance of Hinesley Road, W. South Drive and N. Hudson Street in Adams Township.

Location

The Benton Hinesley Watershed covers 640 acres in the northwest portion of Hamilton County. The north-central portion of Sheridan is located in this watershed. West South Drive and North Hudson Street are in the Curry and Puzey Subdivision located north of Sheridan High School. Phase 1 of this subdivision was constructed in the mid 1950's. Phase 2 of the subdivision was constructed in the mid 1960's.

The land use west of the Curry and Puzey Subdivision is primarily agricultural. On the east side of the subdivision is a dry detention pond that serves Sheridan High School. This pond outlets to the Benton Hinesley Regulated Drain.

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History of the Benton Hinesley Drain

The Benton Hinesley Drain was originally Arm #4 of the George Symonds Drain and was constructed in 1892. On March 12, 1921 Benton Hinesley petitioned for a reconstruction of the George Symonds Drain. The petition was filed with the Hamilton County Circuit Court as Case Number 19361. In 1923 the Benton Hinesley Regulated Tile was installed. In 1977 an arm to the Benton Hinesley Drain was added to accommodate physical education fields and a small detention pond for the Marion-Adams School Corporation (See Hamilton County Drainage Board Minutes Book 1, page 239).

The Marion-Adams School Board petitioned the Drainage Board to expand the detention facility for the proposed Sheridan High School. The Marion-Adams Arm to the Benton Hinesley Drain was constructed in 1995 (See Hamilton County Drainage Board Minutes Book 3, pages 134-135).

In 1996 a portion of the Benton Hinesley Drain was relocated to remove a part of the drain that ran under Mr. Phil Burtons home that was collapsed and inoperable (see Hamilton County Drainage Board Minutes Book 4, page 267). Mr. Burton paid the cost of the drain relocation.

Lastly the Sheridan Elementary School Arm was constructed in 2008 to meet the drainage requirements for the new Sheridan Elementary School located north of 246th Street on the east side of Hinesley Road (see Hamilton County Drainage Board Minutes Book 11, pages 217-219).

Current Conditions

West South Drive runs east to west from Hinesley Road on the west to North Hudson Street on the east. This roadway accepts runoff from approximately 77 agricultural acres west of Hinesley Road. The drainage from the agricultural land and the lots within the subdivision drains east through the inverted crown of the roadway and front yards and then outlets between two home sites on the east side of North Hudson Drive. The runoff ultimately flows into the detention pond on the north end of the Marion-Adams High School property. The school's detention pond slowly releases water through a culvert under 246th Street and north along the Benton Hinesley Regulated Open Drain.

The following drainage complaints have been reported to the Surveyor's Office:

Property Owner	Date	Complaint
Richard Mosbaugh	03/08/1974	Blow Holes in Curry-Puzey Subdivision (repaired)
Earnest Barnes	04/21/1980	Repair holes in tile north of Curry-Puzey Subdivision (WO-80-51)
Hamilton County Highway Dept.	04/23/1990	Tile broken at Hudson Street – Tree roots (WO-90-083)
Steven & Jetta Hall	07-12-1993	6' hole in Hudson Street north edge of pavement (gas line cut drain) WO-93-193

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Bob Bowen (Marion-Adams School)	09/14/1993	2' hole in drain near Curry-Puzey Subdivision (WO-93-234)
Elizabeth Burton	05/06/1996	Large hole 6'x6' between family room & rest of house – drain was under house (WO96-092 & WO96-174)
Michael & Amy Shelbourne	05/07/1998	Existing tile is undersized but running full on South Drive & Hudson Street, water standing in street (no action/no place for water to drain)
Richard Riley	04/16/2001	Standing water (DC-2001-00041) Cannot Resolve, no outlet
Hamilton County Highway Dept.	09/24/2010	Hole in Hudson Street, replace tile (WO-2010-00220)
Linda McClay	02/28/2011	Home flooded (DC-2011-00023) Could not resolve, no outlet
Linda McClay	06/20/2011	Water came across street and flooded yard and got into family room (DC-2011-00255) Could not resolve, no outlet
Wanda Singleton	07/05/2011	Home flooded during last major rain event (DC-2011-00308) Could not resolve, no outlet
Joletta Heck	04/21/2014	Standing water in street (DC-2014-00158) (WO-2014-00131)

All work orders have been completed to date.

Reconstruction Project

The Drainage Board contracted with Banning Engineering to review the flooding along West South Drive and North Hudson Street in the Curry & Puzey Subdivision (see Hamilton County Drainage Board Minutes Book 15, page 371).

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Banning has prepared construction plans to collect the storm water on the west side of Hinesley Road and install a 30 inch RCP to run along the south side of West South Drive and will outlet to an existing manhole near the Sheridan High School dry detention pond. Manholes and inlets are added along W. South Drive to pick up storm water along the north and south side of W. South Drive within the subdivision.

The following storm drain infrastructure is based upon Banning construction plans dated June 13, 2014. The project begins on the west side of Hinesley Road with Structure #112, a 30"x30" reinforced concrete box (RCB). From Structure #112, an 18" reinforced concrete pipe (RCP) will go north 13LF at 0.54% slope to Manhole #111. From Structure #111 a 30" RCP will turn west under Hinesley Road along the south side of West South Drive for 94 LF at a 0.54% slope to Manhole #110. From Structure #110 a 30" RCP will continue east 75 LF at a slope of 0.54% to Manhole #109. From Manhole #109 a 12" RCP lateral will run north 38 LF at 1% slope to inlet #117. Also from Manhole #109 a 30" RCP will continue east for 117 LF at a slope of 0.54% to Manhole #108. From Manhole #108 a 12" RCP lateral will run north 38 LF at 1% slope to Inlet #116. Also from Manhole #108 a 30" RCP will run east 84LF at a slope of 0.54% to Manhole #107. From Manhole #107 a 12" RCP lateral will run north 38 LF at 1% slope to Inlet #115. Also from Manhole #107 a 30" RCP will run east 84 LF at a slope of 0.54% to Manhole #106. From Manhole #106 a 30" RCP will run east 300 LF at a slope of 0.54% to Manhole #105. From Manhole #105 a 12" RCP lateral runs north 38 LF at 1% slope to Inlet #114. Also from Manhole #105 a 30" RCP runs east 209 LF at a slope of 0.54% to Manhole #104. From Manhole #104 a 12" RCP lateral runs north 38 LF at 1% slope to Inlet #113. Also from Manhole #104 a 30" RCP runs east 91 LF at 0.54% slope to Manhole #103. From Manhole #103 a 30" RCP runs east at a slope of 0.54% to Manhole #102. From Manhole #102 a 30" RCP runs east 49 LF at a slope of 0.54% under N. Hudson Street to Manhole #101. From Manhole #101 a 30" RCP runs east 168 LF at a slope of 0.54% between Lots 44 and 45 to Manhole #100 on the school property. From Manhole #100 a 30" RCP runs north 104 LF at a slope of 0.54% to existing Manhole #507 at Station 22+50 of the Marion-Adams Arm of the Benton Hinesley Drain.

The proposed storm drain infrastructure for the South Drive Arm of the Benton Hinesley Drain is as follows:

Type	Total
30" RCP	1,487 LF
18" RCP	13 LF
12" RCP	190 LF
30"x30" RCB w/Casting	1 EA
24"x24" RCB w/Casting	5 EA
Standard Manhole W/Casting	12 EA

Included in this project is driveway repair along the south side of W. South Drive and tree removal.

The length of the proposed new drain is 1,690 LF.

All of the improvements will be installed within County right of way except when crossing private property. Drainage easements were obtained for the construction of the proposed drainage system. The additional easements are as follows:

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Charles R. Singleton & Wanda L. Singleton	01-01-32-01-05-004.000 2.5' south of the existing platted 7.5' drainage easement on the south property line, a length of 158.5 feet. Hamilton County Instrument No. 2015021924
Rollo P. Greer & Suzanne H. Greer	01-01-32-01-05-005.000 12.5' south of the existing platted 7.5' drainage easement on the north property line a length of 158.50 feet. Hamilton County Instrument No. 2015021942
Board of Trustees of Marion Adams School	01-01-32-00-00-004.001 Irregular easement on north side of tract in and adjacent to detention area. Hamilton County Instrument No. 2015025257

Landowner Participation

On August 21, 2014 an informational meeting was held at the Sheridan Town Library. There were 25 people in attendance. The participation of costs by the residents was unkown at that time, but they were in favor of the project.

Cost Estimate for new easements

Appraisals were obtained for the easements needed for the Greer and Singleton properties.

Greer	$2,700.00
Singleton	$1,400.00
Appraisals	$ 600.00
Total:	$4,700.00

Marion-Adams School Corporation has agreed to dedicate their easement at no charge.

The drainage area for the 30" RCP crossing Hinesley Road shall be limited to an allowable cfs per acre of 0.30 cfs per acre for future development in the South Drive Basin of the Benton Hinesley Shed.

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Cost Estimate for infrastructure not crossing a County Highway

Description	Unit	Quantity	Unit Price	Amount
30" RCP w/Backfill (within 5')	LFT	197	$96.00	$ 18,912.00
30" RCP w/Backfill (outside 5')	LFT	1,202	$84.00	$100,968.00
Manholes w/Castings	EA	10	$4,200.00	$ 42,000.00
6" SSD w/Backfill	LFT	20	$15.00	$ 300.00
Seeding & Mulching	LS	1	$12,000.00	$ 12,000.00
Remove 48" & Larger Tree	EA	1	$6,000.00	$ 6,000.00
Remove up to 24" Tree	EA	4	$900.00	$ 3,600.00
Shrub Removal	EA	2	$180.00	$ 360.00
12" CMP Removal & Install New	LFT	18	$50.00	$ 900.00
Mailbox Removed, Replaced	EA	1	$210.00	$ 210.00
Stone Driveway Repairs	EA	1	$1,500.00	$ 1,500.00
Asphalt Driveway Repairs	EA	2	$2,100.00	$ 4,200.00
Concrete Driveway Repairs	EA	4	$3,000.00	$ 12,000.00
Remove & Replace Tile Under Hinesley Road	LFT	24	$70.00	$ 1,680.00
Tie into Existing Manhole	EA	1	$2,400.00	$ 2,400.00
Inlet Debris Guard	EA	1	$420.00	$ 420.00
		Subtotal		$207,450.00
		15% Contingencies		$ 31,117.50
		Total		$238,567.50

Cost Estimate for roadway infrastructure

Description	Unit	Quantity	Unit Price	Amount
30" RCP w/Backfill (within 5')	LFT	88	$96.00	$ 8,448.00
18" RCP w/Backfill (outside 5')	LFT	13	$66.00	$ 858.00
12" RCP w/Backfill (within 5')	LFT	191	$54.00	$ 10,314.00
24"x24" Box w/Casting	EA	5	$3,000.00	$ 15,000.00
Roadway Repairs	EA	7	$6,000.00	$ 42,000.00
30"x30" Box w/Casting	EA	1	$4,500.00	$ 4,500.00
Manholes w/Casting	EA	2	$4,200.00	$ 8,400.00
		Subtotal		$ 89,520.00
		15% Contingencies		$ 13,428.00
		Total		$102,948.00

Overall Cost Totals	
Engineering	$ 32,500.00
Easements	$ 4,700.00
Infrastructure (not highway)	$238,567.50
Sub-Total:	$275,767.50
Infrastructure (highway)	$102,948.00
Total Project Cost	$378,715.50

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Reconstruction Assessment

On January 26, 2015 the Drainage Board voted to have the Hamilton County Highway Department pay a lump sum for the infrastructure under the county roads plus 50% of the overall drainage shed costs and also be assessed for the right of way acreage within the shed.

Hamilton County Highway Lump Sum	$240,831.75
Entire drainage shed to pay	$137,883.75
	$378,715.50

I have reviewed the drainage shed for the proposed construction of the South Drive Arm of the Benton Hinesley Drain and upon considering each parcel individually; I believe that each parcel within the drainage shed will have varying benefits for construction as provided by the drain per the outlined categories. Therefore, I recommend each tract be assessed on the same basis equally within category. I also believe that no damages will result to landowners by the construction of this drain except for purchase of the Greer and Singleton easements. I recommend construction assessments as follows:

1. Assessments for improvements for the RCP under Hinesley Road, South Drive and Hudson Street and the inlets on the north side of South Drive within County right of way will be paid for by the Hamilton County Highway Department per IC 36-9-27-71. The estimated cost of this work is $102,948.00. The County Highway Department will also pay 50% of the remaining $275,767.50 cost estimate and will be assessed $137,883.75. The total lump sum for the Hamilton County Highway Department will be $240,831.75.

2. Assessment for entire South Drive Arm drainage shed (including Co. Highway) will be $1,138.88 per acre with a $1,138.88 minimum.

I also believe that this proposed arm meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this arm shall be designated as an urban drain.

I recommend the Board set a hearing for the proposed reconstruction and maintenance project for June 22, 2015.

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/llm

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STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Benton Hinesley Drain, South Drive Arm

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the ***Benton Hinesley Drain, South Drive Arm*** came before the Hamilton County Drainage Board for hearing ***on June 22, 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 ***Benton Hinesley Drain, South Drive 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

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BENTON HINESLEY DRAIN, SOUTH DRIVE ARM

Property Owner	Parcel Number	Acres Benefited	Proposed Recons. Assmnt	% of Recons. Cost
Durr, James D. & Debra E.	01-01-29-00-00-017.000	4.92	$5,603.30	1.48
	01-01-32-00-00-001.000	14.61	$16,639.04	4.39
Pauley, Kent William	01-01-31-00-00-018.000	2.79	$3,177.48	0.84
Total		**22.32**	**$25,419.82**	**6.71**

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June 8th, 2015

Hamilton County Drainage Board
One Hamilton County Square, Ste. 188
Noblesville, IN 46060-2230

RE: Objections to Reconstruction and Assessments on the Benton Hinesley Drain Extension, South Arm Drive

Please find attached a list of objections to the above-mentioned reconstruction and schedule of assessments. I plan to attend the hearing on June 22nd.

Thank you for your consideration,

Jim Durr

Jim Durr

HAMILTON COUNTY DRAINAGE BOARD
FILED
JUN 08 2015
Lynette
SECRETARY

01-01-29-00-00-017.000
01-01-32-00-00-001.000

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STATE OF INDIANA)
) SS:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD

HAMILTON COUNTY DRAINAGE BOARD
FILED
JUN 08 2015
SECRETARY

IN THE MATTER OF THE PROPOSED RECONSTRUCTION OF THE BENTON HINESLEY DRAIN EXTENSION, SOUTH DRIVE ARM

OBJECTIONS TO PROPOSED RECONSTRUCTION

The undersigned, James D. Durr and Debra E. Durr (collectively the "Durrs"), hereby state that they are the owners of lands assessed to the Benton Hinesley Drain Extension, South Drive Arm, identified by the following parcel numbers: 01-01-32-00-00-001.000, S32 T20 R3 14.61 Acres; and 01-01-29-00-00-017.000, S29 T20 R3 10.65 Acres. All of the 19.54 acres of their land assessed to this project is unimproved rural farm land. The Durrs object to the assessments on their parcels for the reason that they receive no benefit from the proposed project. The proposed work involves infrastructure improvements designed to resolve road and residential flooding to the developments located to the east of the Durrs' property. In further support of such objection, the Durrs would state the following:

1. The surface water drainage problems are the result of the urban residential development and the inadequate design of the roads and subdivision drainage infrastructure. Absent the development, the surface water naturally flows west to east to the Benton Hinesley legal drain. The schedule of assessments fails to take into account the special benefits received by the eastern urban landowners as required by the Indiana Drainage Code.

2. The reconstruction report fails to take into consideration that the reconstruction is wholly necessitated by the changed and increased land use. The Indiana Drainage Code requires the drainage board to consider such fact in assessing benefits to pay for the cost of reconstruction. See IC 36-9-27-51.

3. If the Durrs' parcels are to be assessed to this project, the law requires that their land be assessed as farm land within the entire Benton Hinesley watershed. The Durrs' parcels assessed to this project comprise only 3% of the Benton Hinesley watershed. Their total assessment of $22,242.34 represents 16.2% of the cost of the project to the non-public landowners

4. An assessment of $22,242.34 to the Durr's on approximately 19 acres of unimproved

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farm land is an unfair, excessive amount that imposes a financial hardship upon the Durrs. The Durrs' parcels are adequately drained without the proposed reconstruction. In such cases the Indiana Drainage Code allows the board to reduce the assessment. See IC 36-9-27-69(6).

RESPECTFULLY SUBMITTED,

James D. Durr

James D. Durr

Debra E. Durr

Debra E. Durr

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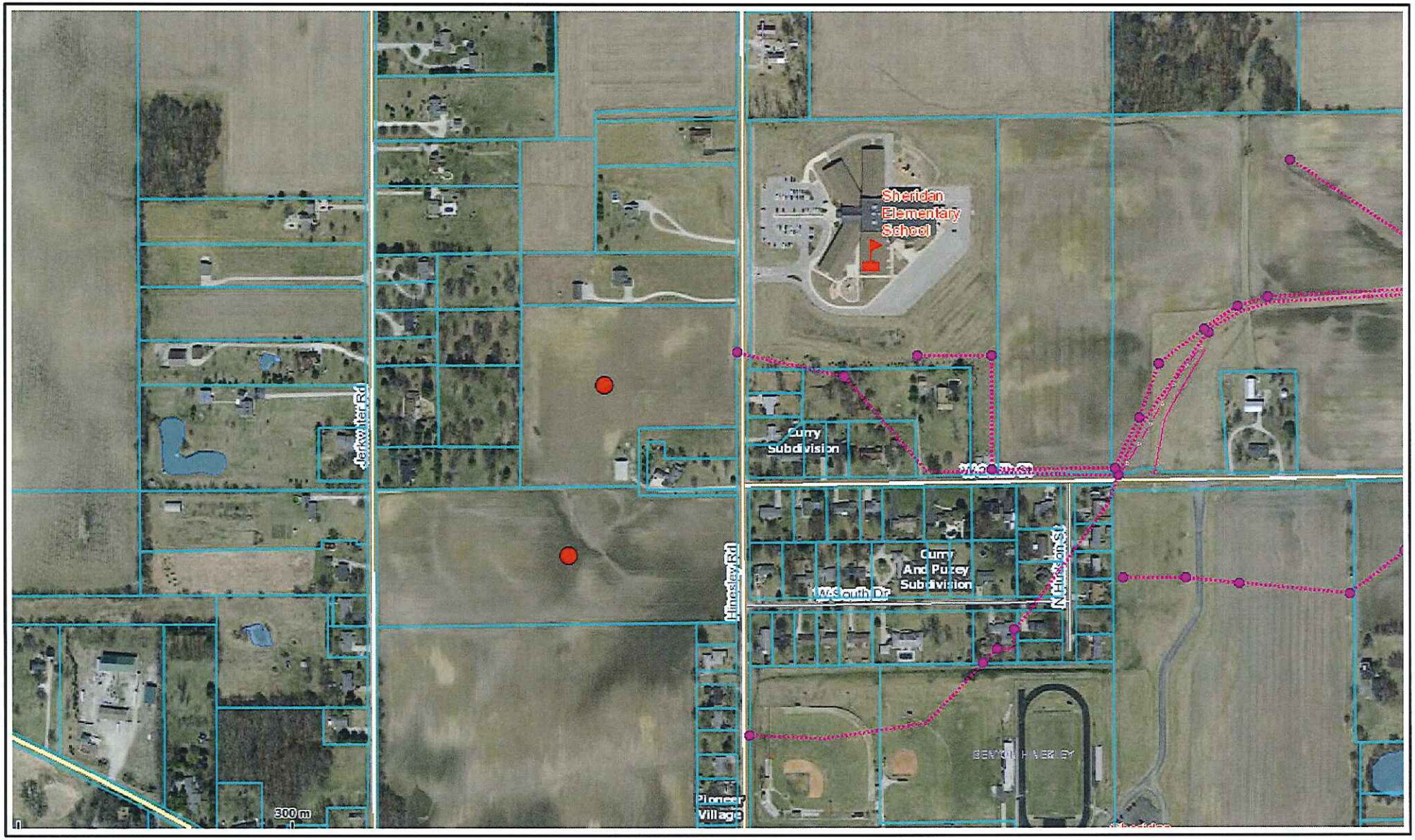

Hamilton County

Benton Hinesley Drain, South Drive Arm

Printed: Jun 08, 2015

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01-01-31-00-00-018.000

HAMILTON COUNTY DRAINAGE BOARD
FILED
JUN 17 2015
SECRETARY

6-17-2015.

TO: ~~Hamilton~~ County Drainage Board.

Re- Benton Hinkley Drain Extension, South Drive area.

My name is Kent Pauley and I own the property at 24434 JERRWATER ROAD. SHERIDAN, IN.

I am in objection not to the repair to the drainage problem along west South Drive and North Hudson Street, but to the cost to myself and the statement that 84% of my property will benefit from this drainage work.

I have owned my property since 2006 and have not had any problems in this time with flooding etc.

I also notice that there have been 13 complaints since 1974 about the area concerned and only 3 were to do with flooding of houses.

If the runoff from my property and others on the West side of Jerrwater Road is a problem, I would gladly let the Hamilton County put a retention pond in my back acreage, or why not put a pond in the 28 acres compiled to the east side of Jerrwater Road. Neither of these would cost anything near your proposed costs.

Yours Faithfully.

K. W. Pauley

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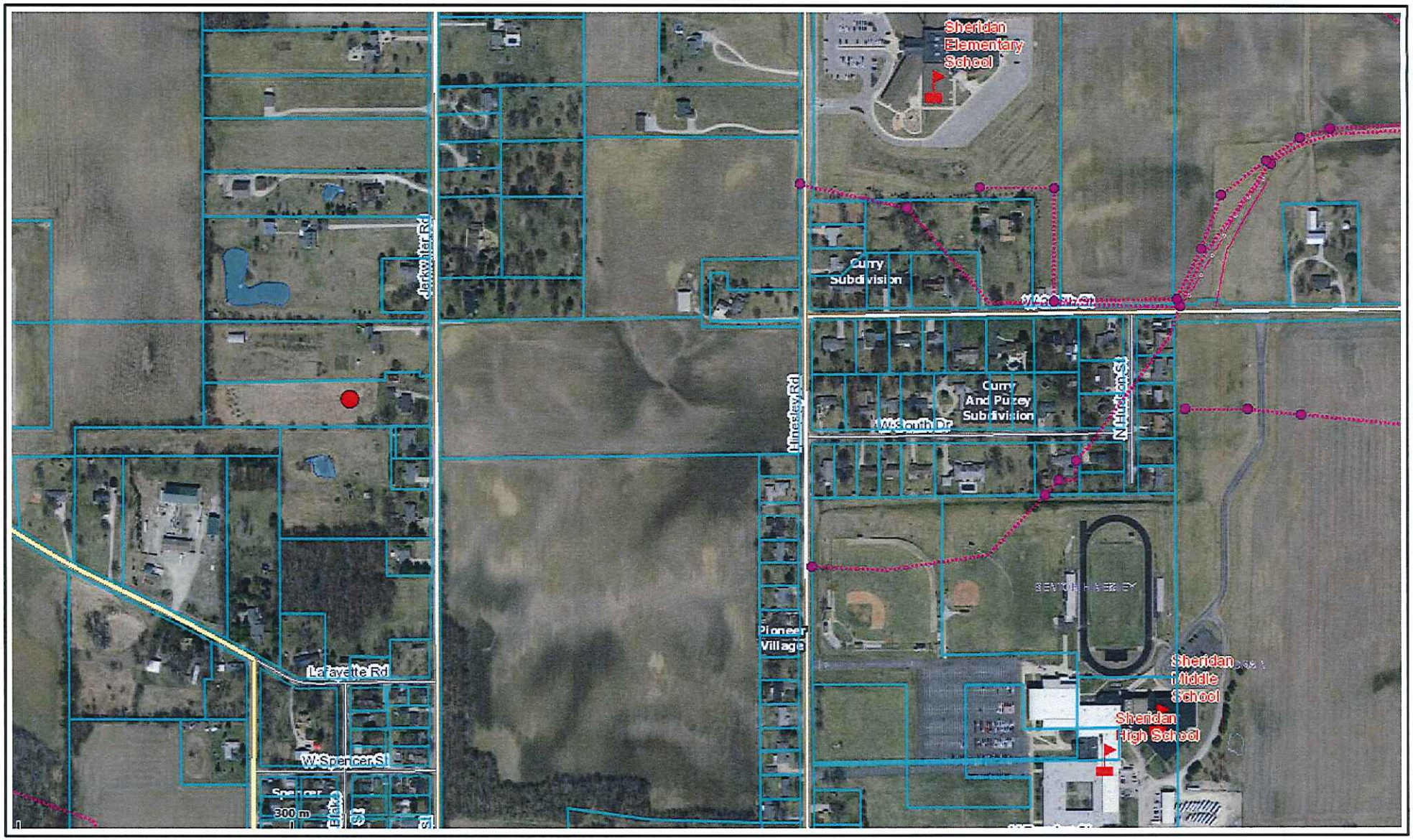

Hamilton County

Benton Hinesley Drain, South Drive Arm

Printed: Jun 17, 2015

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Andy D. Conover

From: Lynette L. Mosbaugh
Sent: Tuesday, March 03, 2015 3:29 PM
To: Andy D. Conover
Subject: FW: Benton Hinesley Drain, South Drive

From: Surveyor
Sent: Tuesday, March 03, 2015 2:08 PM
To: Kenton C. Ward
Cc: Lynette L. Mosbaugh
Subject: FW: Benton Hinesley Drain, South Drive

Pam Louks
Receptionist
Hamilton County Surveyor's Office
317-776-8495

From: atkinson1205@aol.com [mailto:atkinson1205@aol.com]
Sent: Tuesday, March 03, 2015 12:34 PM
To: Surveyor
Cc: atkinson1205@aol.com
Subject: Re: Benton Hinesley Drain, South Drive

March 3rd, 2015

Attn: Hamilton County Drainage Board
Kenton Ward, Hamilton County Surveyor

Re: Benton Hinesley Drain, South Drive – Presentation, Mr. Joe Miller

The cost, damages and expenses of the above referenced project, approved by the Board at the January 26th, 2015 Drainage Board Hearing, will exceed the benefits that will result to the owners of all land benefited. I would like to preserve my right to thereafter object in a court of law to any final action of the Hamilton County Drainage Board and would like to request a judicial review of any finding or order of the Board on the matter of the Benton Hinesley Drain, South Drive project. Sincerely, Karen Atkinson, Sheridan, IN.

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Benton Hinesley Drain #41 - Extention
South Drive Arm
Per 01/26/15 Drainage Board, Co. Hwy will pay $102,948 plus
50% of remaining cost estimate as a lump sum.
*No change in current maintenance assessment.
Adding 1690' of new drain.
Hearing: June 22, 2015

Reconstruction Assessment Rate
County Highway (Road Infrastructure) = $102,948.00
County Highway-50% of remaining cost=$137,883.75
Co. Hwy Lump Sum: $240,831.75

Entire South Drive Arm Shed (included road acreage)
Per Acre = $1,138.88
Minimum = $1,138.88

Engineering	$32,500.00
Easements	$4,700.00
Infrastructure (not road)	$238,567.50
Sub-Total:	$275,767.50
Infrastructure (road)	$102,948.00
Total Project Cost:	$378,715.50

Parcel	Owner	Desc	Rate	Ben	Asmt	% of Total
01-01-29-00-00-017.006	Alexander, Thomas R Trust	S29 T20 R3 2.02Ac	Residential/Ag	2.02	$2,300.54	0.61%
01-01-29-03-01-003.000	Alexander, Thomas R Trustee	S29 T20 R3 1.50Ac	Residential/Ag	1.50	$1,708.32	0.45%
01-01-31-00-00-024.000	Allscape Inc	S31 T20 R3 4.95Ac	Residential/Ag	0.84	$1,138.88	0.30%
01-01-32-01-04-005.000	Angermeier, Lisa K	S32 T20 R3 Curry & Puzey Lot 23,Pt 24	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-31-00-00-019.000	Barker, Floyd H & Patricia K	S31 T20 R3 0.40Ac	Residential/Ag	0.40	$1,138.88	0.30%
01-01-31-00-00-021.002	Barker, Floyd H & Patricia K	S31 T20 R3 0.04Ac	Residential/Ag	0.04	$1,138.88	0.30%
01-01-32-01-05-002.000	Barnes, Earnest E & Valeria A	S32 T20 R3 Curry & Puzey 2nd Lot 47	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-00-00-004.001	Board Of Trustees Of Marion-Adams Schools	S32 T20 R3 37.13Ac	Residential/Ag	0.11	$1,138.88	0.30%
01-01-30-00-00-016.005	Bray, Helen	S30 T20 R3 3.04Ac	Residential/Ag	2.00	$2,277.76	0.60%
01-01-32-01-04-012.000	Delph, Jeremy A	S32 T20 R3 Curry & Puzey Lot 33,34	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-03-009.000	Duchemin, Jan A & Cynthia D Trustees	S32 T20 R3 Curry & Puzey Lot Pt 8,7	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-29-00-00-017.000	Durr, James D & Debra E	S29 T20 R3 10.65Ac	Residential/Ag	4.92	$5,603.30	1.48%
01-01-32-00-00-001.000	Durr, James D & Debra E	S32 T20 R3 14.61Ac	Residential/Ag	14.61	$16,639.04	4.39%
01-01-32-01-03-021.000	Dutchess, Steven P & Karen E	S32 T20 R3 Curry & Puzey 2nd Lot 29	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-03-022.000	Dutchess, Steven P & Karen E	S32 T20 R3 Curry & Puzey Lot 10	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-03-024.000	Dutchess, Steven P & Karen E	S32 T20 R3 Curry & Puzey Lot 11,12,Pt 13	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-03-028.000	Fenwick, Jean & Craig Lochard jtrs	S32 T20 R3 Curry & Puzey Lot 16,Pt 17	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-03-007.000	Freeland, Robert J Jr & Jodie L	S32 T20 R3 Curry & Puzey Lot 6	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-04-008.000	Gerbig, Clifford G & Georgianne B	S32 T20 R3 Curry & Puzey Lot 25,26,Pt 24,27,28 1.60Ac	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-31-00-00-018.001	Gibson, Stacy J	S31 T20 R3 4.01Ac	Residential/Ag	3.21	$3,655.80	0.97%
01-01-32-01-03-017.000	Green, Carroll E & Ladonna M	S32 T20 R3 Curry & Puzey Lot 39,Pt 38	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-04-014.000	Greer, Rollo P & Suzanne H Trustees Greer Family Revoc	S32 T20 R3 Curry & Puzey 2nd Lot 41	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-04-015.000	Greer, Rollo P & Suzanne H Trustees Greer Family Revoc	S32 T20 R3 Curry & Puzey 2nd Lot 42	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-05-005.000	Greer, Rollo P & Suzanne H Trustees Greer Family Revoc	S32 T20 R3 Curry & Puzey Lot 44	Residential/Ag	One Lot	$1,138.88	0.30%
99-99-99-99-99-999.001	Hamilton County Highway Department	$102,948=road infrasructure; $137,883.75=50% remaining cost	Lump sum	n/a	$240,831.75	63.59%
99-99-99-99-99-999.001	Hamilton County Highway Department	246th,Hinesley,Jerkwater,Hudson&SouthDr	Road	9.42	$10,728.26	2.83%
01-01-32-01-05-003.000	Haney, Nathaniel P	S32 T20 R3 Curry & Puzey 2nd Lot 46	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-29-03-01-002.000	Hume, Larry K & Lynn P Trustees Larry K & Lynn P Hume	S29 T20 R3 0.50Ac	Residential/Ag	0.50	$1,138.88	0.30%
01-01-29-00-00-017.004	Hume, Larry K & Lynn P Trustees Of Rev Liv Trust W L/E	S29 T20 R3 1.35Ac	Residential/Ag	1.35	$1,537.50	0.41%
01-01-29-03-01-005.000	Hume, Larry K & Lynn P Trustees Of Rev Liv Trust W L/E	S29 T20 R3 0.50Ac	Residential/Ag	0.50	$1,138.88	0.30%
01-01-30-00-00-016.004	Kitchel, James P & Tina Y	S30 T20 R3 6.37Ac	Residential/Ag	4.35	$4,954.14	1.31%
01-01-32-01-04-002.000	Klingaman, Hoyt S	S32 T20 R3 Curry & Puzey Lot 20	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-29-00-00-017.008	Krohn, Robert E & Theresa D	S29 T20 R3 3.51Ac	Residential/Ag	0.22	$1,138.88	0.30%
01-01-31-00-00-023.000	Logan, Kevin M & Suzanne R	S31 T20 R3 2.98Ac	Residential/Ag	1.63	$1,856.38	0.49%
01-01-32-01-03-006.000	McCarty, Donald E & Phyllis I	S32 T20 R3 Curry & Puzey Lot 5,Pt 4	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-03-012.000	McClay, Robert L & Linda L	S32 T20 R3 Curry & Puzey 2nd Lot 31,36	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-31-00-00-020.000	McCreery, Charles E & Rebecca J	S31 T20 R3 0.40Ac	Residential/Ag	0.40	$1,138.88	0.30%
01-01-32-01-05-006.000	Millikan, Kenneth W & Julia Ann Jt	S32 T20 R3 Curry & Puzey 2nd Lot 43	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-01-001.000	Minkner, Stephen A	S32 T20 R3 Pioneer Village Lot 15	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-01-002.000	Minkner, Stephen A	S32 T20 R3 Pioneer Village Lot 14	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-04-004.000	Monroe, Coy W II & Cynthia L	S32 T20 R3 Curry & Puzey Lot 22	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-29-00-00-017.003	Mosbaugh, Richard L & Arvilla Marie CoTrustees Richard	S29 T20 R3 1.36Ac	Residential/Ag	1.35	$1,537.50	0.41%
01-01-29-03-01-001.000	Mosbaugh, Richard L & Arvilla Marie CoTrustees Richard	S29 T20 R3 0.50Ac	Residential/Ag	0.50	$1,138.88	0.30%
01-01-29-03-01-006.000	Mosbaugh, Richard L & Arvilla Marie CoTrustees Richard	S29 T20 R3 0.50Ac	Residential/Ag	0.50	$1,138.88	0.30%
01-01-29-03-01-007.000	Nicholsen, Sherri R	S29 T20 R3 1.80Ac	Residential/Ag	1.80	$2,049.98	0.54%

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Parcel	Owner	Desc	Rate	Ben	Asmt	% of Total
01-01-31-00-00-018.000	Pauley, Kent William	S31 T20 R3 2.99Ac	Residential/Ag	2.79	$3,177.48	0.84%
01-01-31-00-00-022.000	Pickett, Bryce L & Betty Jo	S31 T20 R3 3.71Ac	Residential/Ag	1.05	$1,195.82	0.32%
01-01-32-01-03-031.000	Pitts, Harold A & Marcia L Revocable Living Trust	S32 T20 R3 Curry & Puzey Lot 17,18	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-29-00-00-017.005	Quick, Michael Nolan & Margie Lou	S29 T20 R3 0.88Ac	Residential/Ag	0.67	$1,138.88	0.30%
01-01-29-00-00-017.007	Quick, Michael Nolan & Margie Lou	S29 T20 R3 1.18Ac	Residential/Ag	0.34	$1,138.88	0.30%
01-01-29-00-00-017.201	Remsen, Susan M	S29 T20 R3 3.00Ac	Residential/Ag	1.00	$1,138.88	0.30%
01-01-32-01-03-019.000	Riley, Richard D & Kimberly R	S32 T20 R3 Curry & Puzey 2nd Lot 35,32	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-03-011.000	Robinson, Donald L III & Shea	S32 T20 R3 Curry & Puzey Lot 30,9,Pt 8	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-03-026.000	Rockey, John F & Martha M	S32 T20 R3 Curry & Puzey Lot 14,Pt 13	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-30-00-00-016.000	Rodgers, Steven & Tamela	S30 T20 R3 3.65Ac	Residential/Ag	2.55	$2,904.14	0.77%
01-01-32-01-03-003.000	Rumeau, James E & Halia	S32 T20 R3 Curry & Puzey Lot 3,Pt 4	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-03-018.000	Schelling, Patricia J & John C	S32 T20 R3 Curry & Puzey 2nd Lot 40	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-04-003.000	Shepard, Stephen L & Jennifer M	S32 T20 R3 Curry & Puzey Lot 21	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-05-004.000	Singleton, Chas R & Wanda L	S32 T20 R3 Curry & Puzey Lot 45	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-01-003.000	Somerville, Lauretta A	S32 T20 R3 Pioneer Village Lot 13	Residential/Ag	One Lot	$1,138.88	0.30%
02-01-32-00-00-002.000	Stafford, James D & John D	S32 T20 R3 33.32Ac	Residential/Ag	8.51	$9,691.88	2.56%
01-01-32-01-03-001.000	Stover, Vernon J Jr	S32 T20 R3 Curry & Puzey Lot 2,1	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-31-00-00-021.000	Tackett, Timothy D & Deborah A	S31 T20 R3 6.20Ac	Residential/Ag	4.68	$5,329.96	1.41%
01-01-32-01-03-027.000	Teets, Todd D	S32 T20 R3 Curry & Puzey Lot 15	Residential/Ag	One Lot	$1,138.88	0.30%
99-99-99-99-99-999.009	Town Of Sheridan	Hinesley & Jerkwater Rd	Road	3.33	$3,792.48	1.00%
01-01-32-01-05-001.000	Triplett, Theresa & Ashford	S32 T20 R3 Curry & Puzey 2nd Lot 48	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-30-00-00-016.001	Wallace, Jeffery N & Elaine K	S30 T20 R3 0.79Ac	Residential/Ag	0.79	$1,138.88	0.30%
01-01-32-01-03-014.000	Wilson, James F & Ursula C	S32 T20 R3 Curry & Puzey 2nd Lot 37,Pt 38	Residential/Ag	One Lot	$1,138.88	0.30%
01-01-32-01-04-001.000	Young, Allen G Loretta M	S32 T20 R3 Curry & Puzey Lot 19	Residential/Ag	One Lot	$1,138.88	0.30%
Parcels: 69			36 lots &	77.88 Ac	$378,716.03	100.00%

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RETURNED

RETURNED

OFFICE OF

HAMILTON COUNTY DRAINAGE BOARD

May 22, 2015

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **Benton Hinesley Drain Extension, South Drive Arm.**

Minkner, Stephen A
24360 HINESLEY RD
Sheridan, IN 46069

Under the Indiana Drainage Code, all land which drains directly, or indirectly, may be assessed for either maintenance cost or reconstruction cost within the drain. In making the calculation for each parcel, the Drainage Board must calculate the percentage of the cost attributable to each parcel of land benefitted. The Drainage Board has received a reconstruction report and schedule of assessments which affects your land. The purpose of the reconstruction project is to perform work which will substantially improve the drainage for the entire watershed served by the drain.

You are hereby notified that the reconstruction report of the County 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 County Surveyor. The chart below contains your proposed assessment and your percentage of the total reconstruction assessment.

The reconstruction report of the Surveyor and schedule of damages and benefits as determined by the Drainage Board for the proposed improvement known as the **Benton Hinesley Drain Extension, South Drive Arm** have been filed and are available for inspection in the office of the County Surveyor. The schedule of assessments shows the following lands in your name are affected as follows. This assessment is not a charge for services associated with regulating the quality of storm water within your city or town.

Description of Land: Residential/Ag 01-01-32-01-01-001.000	Acres Benefited	Damages	Reconst. Assmt.	% of Total	Maint. Assmt.
S32 T20 R3 Pioneer Village Lot 15	One Lot	Zero	$1,138.88	0.30%	*
The County Highway will be assessed a lump sum for the road infrastructure & 50% of the remaining cost to help reduce the rate assessed on the reconstruction assessment roll.					
*No change in current maintenance assessment rates.					

The hearing on the Surveyor's reconstruction report and on the schedules of damages and assessments are set for hearing at **9:05 A.M. on June 22, 2015**, in the Commissioner's Court. The law provides that objections must be written and filed not less than 5 days before the date of the hearing. Objections may be for causes as specified by law and which are available at the Surveyor's Office. Written evidence in support of objections may be filed. The failure to file objections constitutes a waiver of your right to thereafter object, either before the Board or in court on such causes, to any final action of the Board. On or before the day of the hearing before the Board, the Surveyor shall and any owner of affected lands may cause written evidence to be filed in support of or in rebuttal to any filed objections.

HAMILTON COUNTY DRAINAGE BOARD
One Hamilton County Square, Ste. 188
Noblesville, IN 46060-2230

For a copy of the Surveyor's Report to the Drainage Board and a copy of the map, if applicable, please go to www.hamiltoncounty.in.gov/drainageboardnotices.

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Description of Land: Residential/Ag 01-01-32-01-01-002.000	Acres Benefited	Damages	Reconst. Assmt.	% of Total	Maint. Assmt.
S32 T20 R3 Pioneer Village Lot 14	One Lot	Zero	$1,138.88	0.30%	*
The County Highway will be assessed a lump sum for the road infrastructure & 50% of the remaining cost to help reduce the rate assessed on the reconstruction assessment roll.					
*No change in current maintenance assessment rates.					

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OFFICE OF

HAMILTON COUNTY DRAINAGE BOARD

May 22, 2015

RETURNED

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **Benton Hinesley Drain Extension, South Drive Arm.**

Fenwick, Jean & Craig Lochard jtrs
3290 South Dr W
Sheridan, IN 46069

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Description of Land: Residential/Ag	Acres Benefited	Damages	Reconst. Assmt.	% of Total	Maint. Assmt.
01-01-32-01-03-028.000					
S32 T20 R3 Curry & Puzey Lot 16,Pt 17	One Lot	Zero	$1,138.88	0.30%	*
The County Highway will be assessed a lump sum for the road infrastructure & 50% of the remaining cost to help reduce the rate assessed on the reconstruction assessment roll.					
*No change in current maintenance assessment rates.					

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HAMILTON COUNTY DRAINAGE BOARD
One Hamilton County Square, Ste. 188
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BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Benton Hinesley Drain Extension, South Drive Arm

NOTICE

To Whom It May Concern and: Fenwick, Jean & Craig Lochard
Minkner, Stephen A.

Notice is hereby given of the hearing of the Hamilton County Drainage Board concerning the reconstruction of the **Benton Hinesley Drain Extension, South Drive Arm** on **June 22, 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

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

IN THE MATTER OF **Benton Hinesley Drain, South Drive Arm**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **June 22, 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

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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 November 18, 2016

RE: Benton Hinesley Drain Extension, South Drive Arm - Final report

Please regard this letter as the inspector's final report on the Benton Hinesley Drain Extension, South Drive Arm, located in Adams Township in Hamilton County.

The Surveyor's Report for the Benton Hinesley Drain Extension, South Drive Arm dated February 25, 2015 was presented to the Drainage Board and approved on June 22, 2015 (Hamilton County Drainage Board Minutes Book (book) 16, Pages 228-235). Bid opening for the reconstruction was on October 26, 2015 (Book 16, Page 332). The bid was awarded to Morphey Construction on November 8, 2015 for the amount of $210,887.00 (Book 16, Page 345).

The Benton Hinesley Drain Extension, South Drive Arm as constructed consists of 1487 feet of 30 inch reinforced concrete pipe, 13 feet of 18 inch reinforced concrete pipe, 191 feet of 12" RCP, 13 manholes with castings, 6 - 24" x 24" concrete box inlets with casting and 1 – 30" x 30" concrete box inlet with casting. The as-built plans have been completed and are attached.

There were a total of two change orders for additional work or field revisions on the project as allowed by IC 36-9-27-80.5. Those change orders are as follows:

Change Order #1 was required because of private tiles encountered during construction of the open ditch and outlets were required to be provided. Cost of Change Order #1 was $5,000.00 approved on April 25, 2016 (Book 16, Pages 539-540).

Change Order #2 was to install a 24" x 24" concrete box inlet on the north side of South Drive on the original Benton Hinesley drain, the installation of an additional manhole on the east side of Hinesley Road to realign the new drain to avoid conflict with a water main and the deletion of a 12" driveway culvert called for on the plans. Net cost of Change Order #2 was $2,740.00 approved on May 23, 2016 (Book 16, Pages 539-540).

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The final costs for the reconstruction are as follows:

Contractor's Bid Morphey Construction	$210,887.00
Change Order #1 Total	$5,000.00
Change Order # 2 Total	$2,740.00
Morphey Construction Total Cost	$218,627.00
Banning Engineering	$37,791.50
Easements	$4,700.00
Total Reconstruction Cost	$261,118.50
Engineer's Estimate	$ 378,715.50
Total Reconstruction Cost	$261,118.50
Difference	$117,597.00

Partial Pay Requests for this project submitted and paid as allowed in IC 36-9-27-81 are as follows:

Pay Request #1 submitted 2-29-2016	Paid 3-29-2016	$8,653.00
Pay Request #2 submitted 4-1-2016	Paid 5-10-2016	$65,556.25
Pay Request #3 submitted 5-12-2016	Paid 6-14-2016	$83,828.70
Pay Request #4 submitted 6-23-2016	Paid 7-12-2016	$11,390.00
Pay Request #5 submitted 10-3-2016	Paid 10-25-2016	$16,405.00
Pay Request #6 Retainage submitted 10-24-2016	Paid 11-29-2016	$32,794.05
Construction Total – Morphey Construction		$218,627.00

Statement of All Incurred Expenses Paid signed by the contractor as required in IC 36-9-27-82(b) was received on 10-5-2016. The contractors claim for release of retainage was submitted on October 24, 2016.

The construction staking and as-built (record) drawings were prepared by Banning Engineering per contract approved by the Board on July 13, 2015 (Book 16, Page 244). The total billed by Banning Engineering for design, construction staking and as-built drawings was $37,791.50.

As of September 30, 2016 I hereby attest to and agree that the reconstruction was installed according to the specified plans and change orders and have approved such work under IC 36-9-27-82(a). All inspections have been completed. Final inspection was on August 1, 2016 for the majority of the work.

On January 26, 2016 (Book 16, Pages 92-96) the Board voted to assess the Hamilton County Highway the costs of the pipe installed under the road as part of the project, plus 50% of the construction cost of the project as well as the 9.42 acres assessed at the per acre rate for roads. The original estimated lump sum to the Hamilton County Highway Department was $240,831.75 and the final revised lump sum is $158,465.25.

The reconstruction balance after the Highway assessment of $102,635.25 will be assessed to the property owners within the watershed.

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The original rate per hearing was $1,138.88 per acre with a $1,138.88 minimum. The revised rate to the property owners within the watershed will be $866.35 per acre with an $866.34 minimum. On June, 22, 2016 (Book 16, Pages 228-235) the Board voted to allow the drain reconstruction assesments to the property owners to be paid over a 10 year period at 3% interest.

I recommend the Board approve the reconstruction as complete and acceptable.

Respectfully,

Andrew Conover
Inspector
Hamilton County Surveyor's Office

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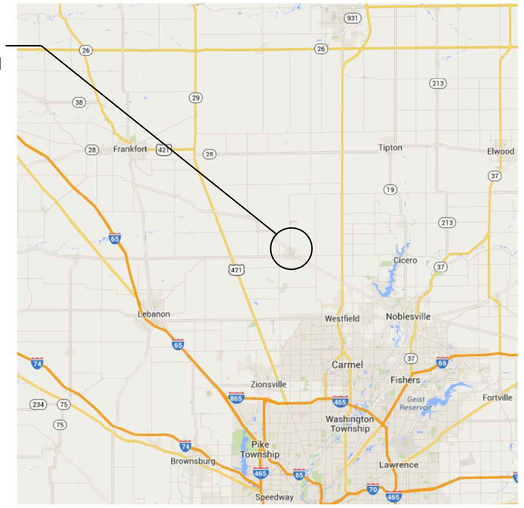
BENTON HINESLEY SOUTH DRIVE RECONSTRUCTION

NW¼, SEC. 32, T20N, R3E, ADAMS TOWNSHIP
HAMILTON COUNTY
ZONED: R-1

PLANS PREPARED FOR:
HAMILTON COUNTY DRAINAGE BOARD
1 HAMILTON COUNTY SQUARE, SUITE 188
NOBLESVILLE, IN 46060
PHONE: 317-776-9626
FAX: 317-776-9628
CONTACT: KENTON WARD

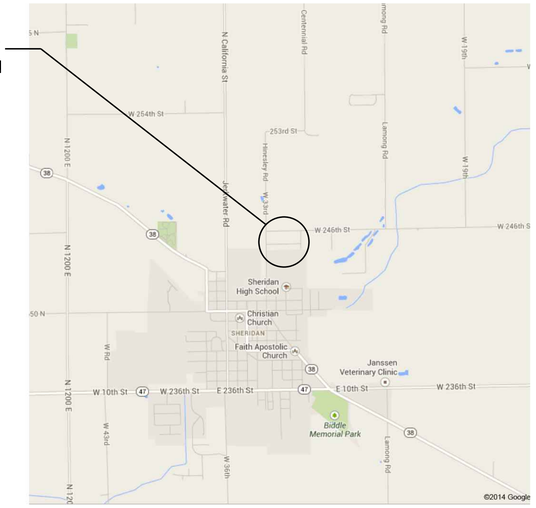
PROJECT LOCATION



VICINITY MAP
NO SCALE

SITE MAP
1"=200'

PROJECT LOCATION



LOCATION MAP
NO SCALE

PLANS PREPARED BY:
BANNING ENGINEERING
853 COLUMBIA ROAD, SUITE #101
PLAINFIELD, IN 46168
BUS: (317) 707-3700, FAX: (317) 707-3800
E-MAIL: Banning@BanningEngineering.com
WEB: www.BanningEngineering.com
CONTACT: JOSEPH L. MILLER

OPERATING AUTHORITIES

GAS
Vectren
16000 Allisonville Road
Noblesville, IN 46061
317-776-5534

STORM
1 Hamilton County Square
Suite 188
Noblesville, IN 46060
317-776-8495

WATER
Sheridan Waterworks
506 S Main Street
Sheridan, IN 46069
317-758-5326

ELECTRIC
Duke Energy
390 N Main Street
Martinsville, IN 46151
765-349-4012

STREET
Sheridan Street Department
507 S Ohio Street
Sheridan, IN 46069
317-758-1323

SANITARY
Sheridan Wastewater Treatment Plant
801 E 2nd Street
Sheridan, IN 46069
317-758-5293

TELEPHONE
AT&T - Distribution
5858 N College Avenue
Indianapolis, IN 46220
317-252-4007

SCHOOL DISTRICT
Sheridan Community Schools
24795 N Hinesley Road
Sheridan, IN 46069
317-758-4172

FIRE DEPARTMENT
506 S Main Street
Sheridan, IN 46069
Sheridan Fire Department
317-758-4561

HIGHWAY DEPARTMENT
Hamilton County Highway Department
1700 S 10th Street
Noblesville, IN 46060
317-773-7770

RECORD DRAWING

CONSTRUCTION DOCUMENTS

PROJECT MANAGER:_____ DATE:_____

THESE PLANS ARE NOT TO BE CONSIDERED FINAL OR TO BE UTILIZED FOR CONSTRUCTION UNLESS SIGNED AND DATED BY THE APPROPRIATE BANNING ENGINEERING PROJECT MANAGER.

THESE PLANS ARE NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY, OR A SURVEYOR LOCATION REPORT.

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

REVISIONS

NUMBER	DESCRIPTION	DATE
1	PIPE SIZE CHANGE	9-2-14

SHEET INDEX

SHEET NO	DESCRIPTION
C100	TITLE SHEET
C101	PLAN & PROFILE
C101A	PLAN & PROFILE NEW STRUCTURE DETAIL
C102	PLAN & PROFILE
~~C500~~	~~MISCELLANEOUS DETAILS~~

Certificate of Survey

I hereby state that the record information provided herein is true and correct to the best of my knowledge and belief and was collected under my supervision with the field data completed on June 3, 2016. The record information pertains to the location and elevation of the storm sewer structures, the size and type of the sewer pipes, and the slope of said pipes between structures. The elevations on top of casting of the structures and their accompanying pipe inverts are accurate to within 0.05 feet and were gathered using a total station applying standard radial surveying techniques. The record locations of the storm sewer were located as marked by those responsible for construction of said sewer and are subject to the accuracy of the markings provided.

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: 2016
Entered By: SLM

BRIAN L. HAGGARD
REGISTERED
No. LS29800001
STATE OF INDIANA
LAND SURVEYOR

CERTIFIED BY: _____

Date:	06-22-15
Project No:	11194BH
Sheet No:	C100

BENTON HINESLEY SOUTH DRIVE RECONSTRUCTION / PROJECT NO. 11194BH

06/15/2016
SCALE: 200.0000 ' / in.

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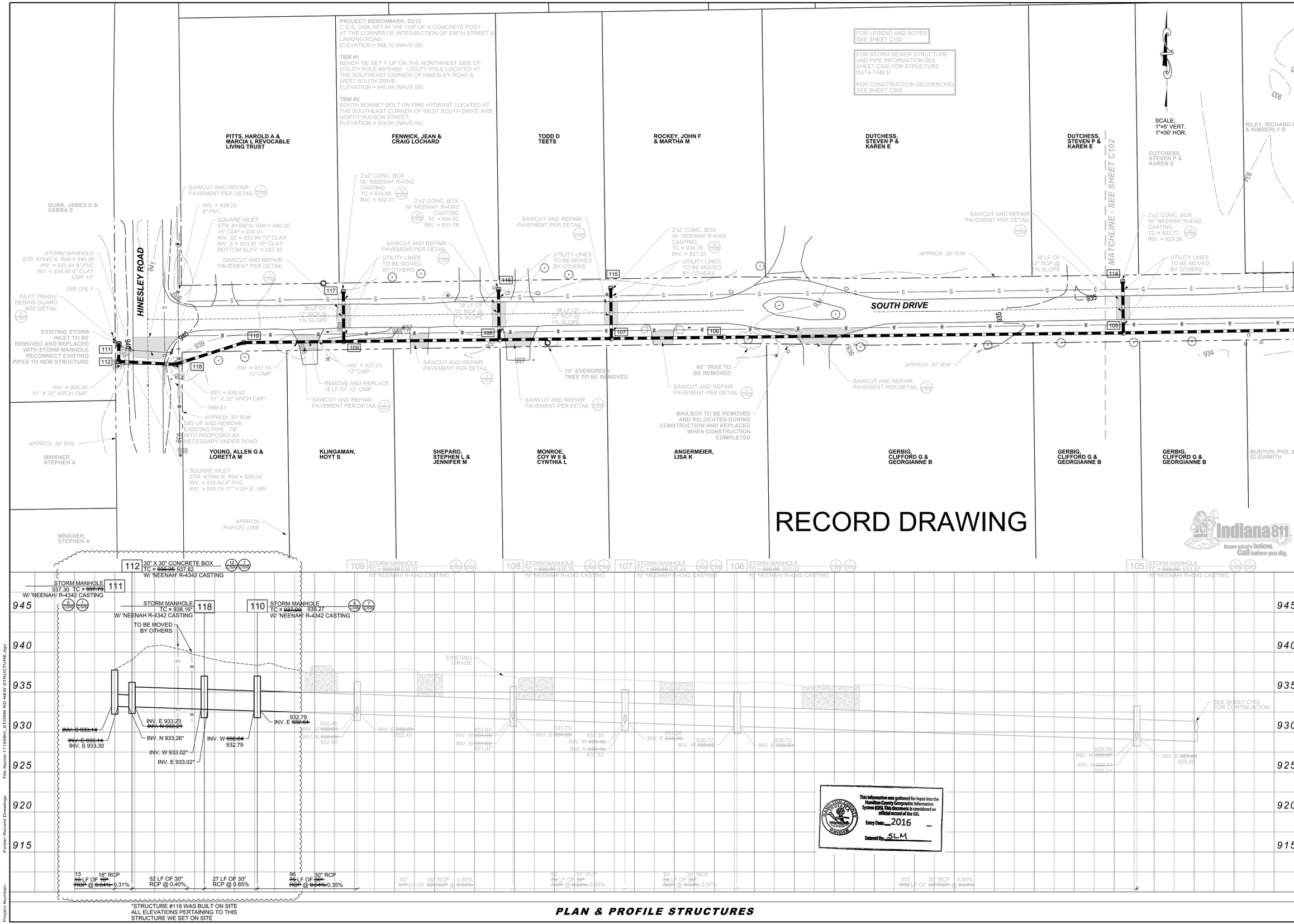

RECORD DRAWING

Sym.	Revisions	Date
1	PIPE SIZE CHANGE	9-2-14

Designed: JLM
Drawn: TMF
Checked:
Scale: As Shown
Date: 06-22-15

PLAN AND PROFILE
Benton Hinesley South Drive Reconstruction
ADAMS TOWNSHIP
SHERIDAN, INDIANA (HAMILTON CO.)

BRIAN L. HAGGARD REGISTERED No. LS29800001 STATE OF INDIANA LAND SURVEYOR

BANNING ENGINEERING
853 COLUMBIA ROAD, SUITE #101
PLAINFIELD, IN 46168
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WEB: www.BanningEngineering.com

Project No: 11194BH
Sheet No: C101A

File Name:11194BH_STORM RD NEW STRUCTURE.dgn
Folder:Record Drawings
06/18/2016
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Project Number:

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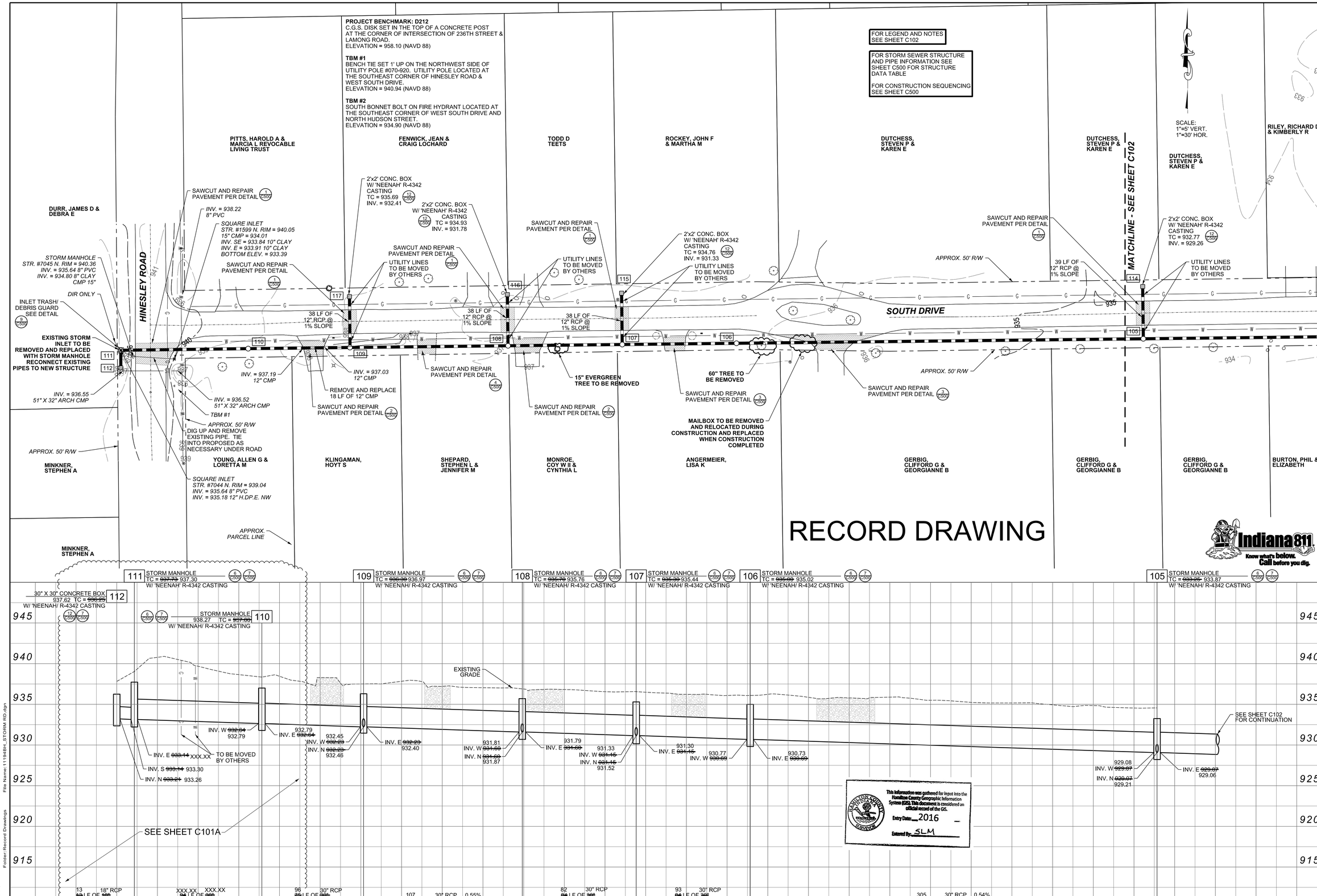

Sym.	Revisions	Date
1	PIPE SIZE CHANGE	9-2-14

Designed: JLM
Drawn: TMF
Checked:
Scale: As Shown
Date: 06-22-15

PLAN AND PROFILE
Benton Hinesley South Drive Reconstruction
ADAMS TOWNSHIP
SHERIDAN, INDIANA (HAMILTON CO.)

BRIAN L. HAGGARD REGISTERED No. LS29800001 STATE OF INDIANA LAND SURVEYOR

BANNING ENGINEERING
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E-MAIL: Banning@BanningEngineering.com
WEB: www.BanningEngineering.com

Project No: 11194BH
Sheet No: C101

File Name: 11194BH_STORM RD.dgn
Folder: Record Drawings
06/16/2016
SCALE: 1" = 20.0000' / in.
Project Number:

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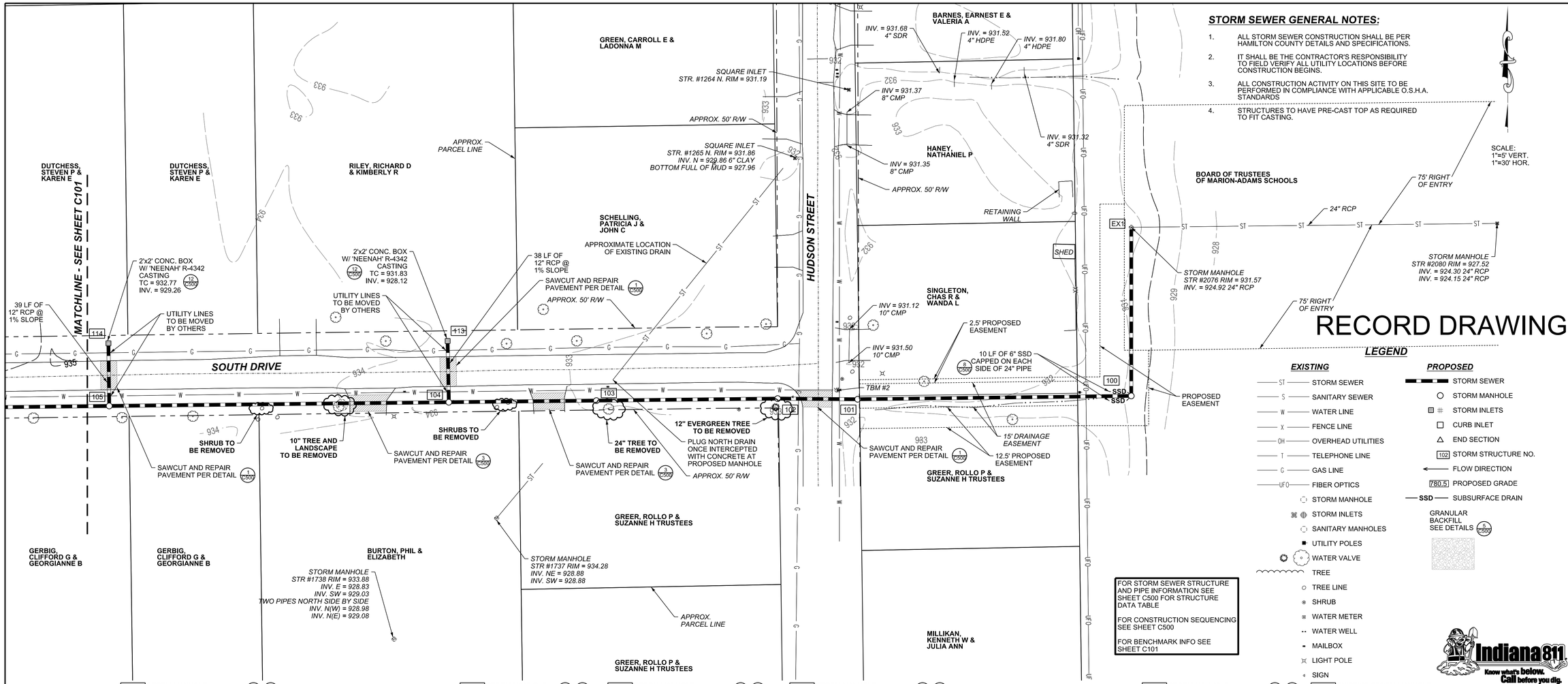


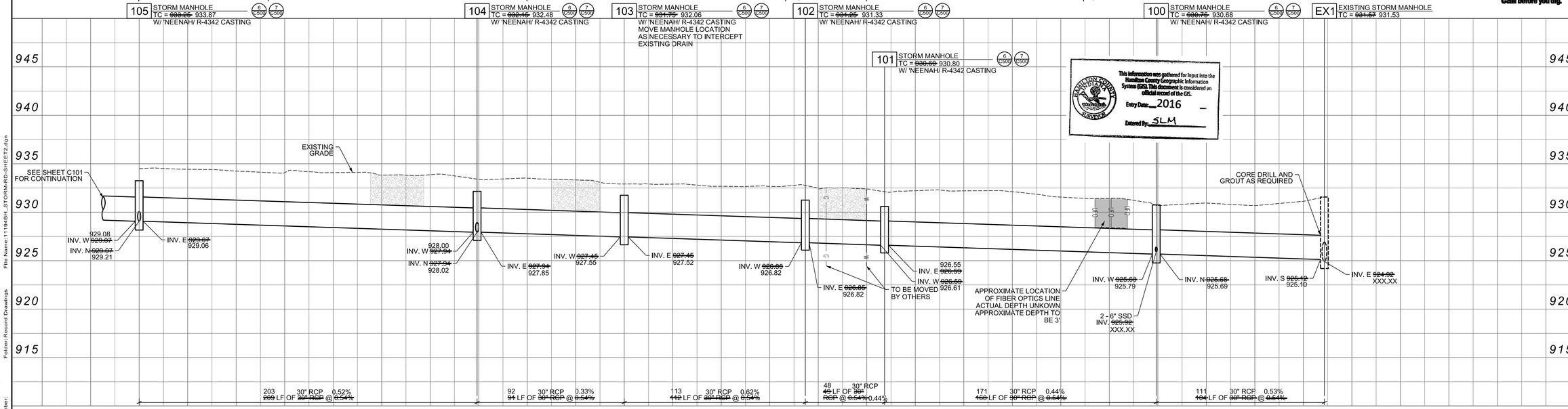
STORM SEWER GENERAL NOTES:

1. ALL STORM SEWER CONSTRUCTION SHALL BE PER HAMILTON COUNTY DETAILS AND SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
3. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS
4. STRUCTURES TO HAVE PRE-CAST TOP AS REQUIRED TO FIT CASTING.

RECORD DRAWING

LEGEND

EXISTING	PROPOSED
ST — STORM SEWER	STORM SEWER
S — SANITARY SEWER	STORM MANHOLE
W — WATER LINE	STORM INLETS
X — FENCE LINE	CURB INLET
OH — OVERHEAD UTILITIES	END SECTION
T — TELEPHONE LINE	102 STORM STRUCTURE NO.
G — GAS LINE	FLOW DIRECTION
UFO — FIBER OPTICS	780.5 PROPOSED GRADE
STORM MANHOLE	SSD — SUBSURFACE DRAIN
STORM INLETS	GRANULAR BACKFILL SEE DETAILS 5/C500
SANITARY MANHOLES	
UTILITY POLES	
WATER VALVE	
TREE	
TREE LINE	
SHRUB	
WATER METER	
WATER WELL	
MAILBOX	
LIGHT POLE	
SIGN	



PLAN & PROFILE STRUCTURES

Sym.	Revisions	Date
1	PIPE SIZE CHANGE	9-2-14

Designed: JLM
Drawn: TMF
Checked:
Scale: AsShown
Date: 06-22-15

PLAN AND PROFILE
Benton Hinesley South Drive Reconstruction
ADAMS TOWNSHIP
SHERIDAN, INDIANA (HAMILTON CO.)

BRIAN L. HAGGARD REGISTERED No. LS29800001 STATE OF INDIANA LAND SURVEYOR

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WEB: www.BanningEngineering.com

Project No: 11194BH
Sheet No: C102

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Folder:Record Drawings
06/15/2016 9:04:57 AM
Project Number:

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