

K.C.W.

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

March 12, 2016

Re: Vestal-Kirkendall Drainage Area, A. J. Brock Arm, Essex of Noblesville, Sec. 4 Relocation

Attached are plans for the relocation of a portion of the Vestal-Kirkendall Drain, A. J. Brock Arm by Arbor Investments, LLC. The petition is for the relocation of the original regulated drain tile within Essex of Noblesville, Sec. 4. The relocation will occur on the following parcels: 10-10-03-00-05-035.000 (Block 1) currently owned by Box 326 LLC, 10-10-03-00-05-033.000 (Common Area "J") currently owned by Essex Homeowners Assoc., Inc., 10-10-03-00-05-010.000 (Lot 96) currently owned by Silverthorne Homes LLC, 10-10-03-00-05-011.000 (Lot 97) currently owned by BEVO LLC, 10-10-03-00-05-003.000 (Lot 89) currently owned by BEVO LLC, 10-10-03-00-05-002.000 (Lot 88) currently owned by BEVO LLC, 10-10-03-00-02-001.000 (Common Area "C") currently owned by Essex Homeowners Assoc., Inc., and the right-of-way for Birdbrook Road owned by the City of Noblesville. The drain tile will be removed from parcel 10-10-03-00-05-004.000 (Lot 90) currently owned by BEVO LLC.

This relocation is per the 'Essex of Noblesville, Sec. 4' project plans by Schneider Corp, project number 5575.400, Sheets C101, C102, C601 & C603, revised 7/3/2014, submitted 2/2/2015. The upstream end of this relocation begins at an existing manhole structure near the north property line of Block 1 and the south right-of-way line of 169<sup>th</sup> Street. The downstream end of this relocation ends at existing pond #2 in Common Area "C" of Essex of Noblesville Section 1B.

This relocation consists of the following:

468' of 12" RCP

444' of open drain

391' of 24" RCP

The newly installed drain will have a length of 1303'. The original 1148' of tile drain between existing stations 12+64 and 24+12 will be abandoned. This proposal will add 155 of footage to the drain's total length.

The new drain involves the following structures: 800 (EX), 798, 799, 704, 703, 701, 701, and 700. The existing structure #800 was installed in 2007 with the AJ Brock Arm, Hazel Dell Road Reconstruction project.

The 444' of open drain, noted above, drains through detention pond #3. The pond is not to be considered part of the regulated drain for maintenance. Drain maintenance at the pond shall include the inlet and outlet as part of the regulated drain. The maintenance of the pond such as sediment removal, erosion control along the banks, mowing and aquatic vegetation control will be the responsibility of the property owner. 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.

The AJ Brock Drain was established in 1920 (See Viewers Report, June 20, 1920). The AJ Brock Drain was later made an arm to the Vestal-Kirkendall Drainage Area, as per my report to the Board dated December 18, 2008 and approved at hearing on March 23, 2009. See Hamilton County Drainage Board minutes book 11, pages 544-546.

The cost of the project is to be paid by the developer. The petitioner submitted surety for the drain relocation. The surety which is in the form of a Bond from the developer is as follows:

Agent: Bond Safeguard Insurance Company

Date: February 2, 2015

Number: 5042199

For: Essex of Noblesville Section 4; Storm Sewer (Legal Drain) for the regulated drain required by the Hamilton County Surveyors Office

Amount: \$57,708.48

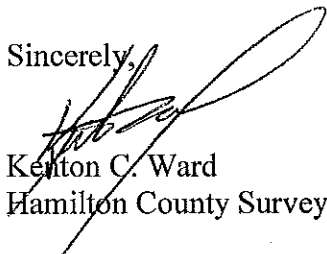
Hamilton County Bond No: HCDB-2015-00014

I recommend that upon approval of the above relocation that the Board also approve the attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plats for Essex of Noblesville, Sec. 4 as recorded in the office of the Hamilton County Recorder.

I recommend that this drain be classified as an urban drain.

I recommend the Board set a hearing for this relocation on May 23, 2016..

Sincerely,



Kenton C. Ward  
Hamilton County Surveyor

KCW/stc

HAMILTON COUNTY DRAINAGE BOARD  
NOBLESVILLE, INDIANA

FILED

IN RE: \_\_\_\_\_ )  
Hamilton County, Indiana )

JUN 03 2014

OFFICE OF HAMILTON COUNTY SURVEYOR


PETITION FOR RELOCATION AND RECONSTRUCTION

Arbor Investments, LLC (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the A.J. Brock Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the A.J. Brock Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the A.J. Brock Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the A.J. Brock Drain, without cost to other property owners on the watershed of the A.J. Brock Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the A.J. Brock Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

  
Signed \_\_\_\_\_  
Paul C. Glaire  
Printed \_\_\_\_\_

FINDINGS AND ORDER

CONCERNING THE PARTIAL VACATION OF THE

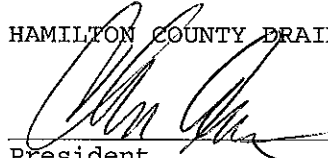
Vestal/Kirkendall Drainage Area, A. J. Brock Arm  
Essex of Noblesville Section 4 Relocation

Station 12+64 to Station 24+12

On this 23<sup>rd</sup> day of May, 2016, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the Vestal/Kirkendall Drainage Area, A. J. Brock Arm, Essex of Noblesville Section 4 Relocation, Station 12+64 to Station 24+12.

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 Vestal/Kirkendall Drainage Area, A. J. Brock Arm, Essex of Noblesville Section 4 Relocation, Station 12+64 to Station 24+12.

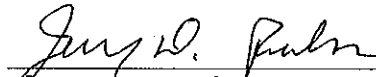
HAMILTON COUNTY DRAINAGE BOARD



\_\_\_\_\_  
President



\_\_\_\_\_  
Alternate Member



\_\_\_\_\_  
Alternate Member

Attest:



STATE OF INDIANA     )  
                          ) ss:  
COUNTY OF HAMILTON )

BEFORE THE HAMILTON COUNTY  
DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN THE MATTER OF THE  
RECONSTRUCTION OF THE  
*Vestal/Kirkendall Drainage Area, A. J. Brock Arm, Essex of Noblesville  
Section 4 Relocation*

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the *Vestal/Kirkendall Drainage Area, A. J. Brock Arm, Essex of Noblesville Section 4 Relocation* came before the Hamilton County Drainage Board for hearing on *May 23, 2016*, 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.

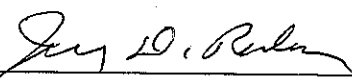
Wherefore, it is ORDERED, that the proposed Reconstruction of the *Vestal/Kirkendall Drainage Area, A. J. Brock Arm, Essex of Noblesville Section 4 Relocation* be and is hereby declared established.

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:

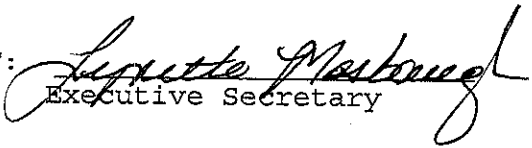
HAMILTON COUNTY DRAINAGE BOARD

  
\_\_\_\_\_  
PRESIDENT

  
\_\_\_\_\_  
Alternate Member

  
\_\_\_\_\_  
Alternate Member

ATTEST:

  
Executive Secretary

JAN 23 2015

ENGINEERS ESTIMATE OF PROBABLE COST OFFICE OF HAMILTON COUNTY SURVEYOR

Project: Essex of Noblesville Section 4

Date: 1/9/2015

1. SANITARY SEWERS

Pipe	Quantity	Unit	Size	Material	Cut Depth	Unit Price	Gross Price
	550	LF	8"	SDR-35 PVC	6-8 feet	\$ 15.00	\$ 8,250.00
	162	LF	8"	SDR-35 PVC	8-10 feet	\$ 21.00	\$ 3,402.00
	717	LF	8"	SDR-35 PVC	10-12 feet	\$ 21.00	\$ 15,057.00
	277	LF	8"	SDR-26 PVC	12-14 feet	\$ 21.00	\$ 5,817.00
	0	LF	8"	SDR-26 PVC	14-16 feet	\$ 23.00	\$ -
Laterals	495	LF	6"	SDR-26 PVC	6-8 feet	\$ 18.75	\$ 9,281.25
	95	LF	6"	SDR-26 PVC	8-10 feet	\$ 18.75	\$ 1,781.25
	658	LF	6"	SDR-26 PVC	10-12 feet	\$ 18.75	\$ 12,337.50
	277	LF	6"	SDR-26 PVC	12-14 feet	\$ 18.75	\$ 5,193.75
Manholes					Quantity	Unit Price	Gross Price
				Manholes, 6-8 feet (each)	3	\$ 1,800.00	\$ 5,400.00
				Manholes, 8-10 feet (each)	2	\$ 2,544.20	\$ 5,088.40
				Manholes, 10-12 feet (each)	2	\$ 2,544.20	\$ 5,088.40
Backfill				Granular bedding (#8) (tons)	1,090	\$ 17.41	\$ 18,802.80
				Granular backfill (tons)	6,110	\$ 11.39	\$ 69,592.90
Other				8"x6" wyes (each)	32	\$ 45.55	\$ 1,457.60
				Connect to existing manhole (core) (each)	2	\$ 100.00	\$ 200.00
				Testing and televising (lf - main)	1,706	\$ 2.00	\$ 3,412.00
						<b>SANITARY SEWERS TOTAL:</b>	<b>\$ 170,161.85</b>

2. STORM SEWERS (non-legal drain)

Structures	Quantity	Unit Price	Gross Price				
Inlet Type A (each)	4	\$ 1,150.00	\$ 4,600.00				
Double Curb Inlet Type A (each)	3	\$ 1,900.00	\$ 5,700.00				
Storm Manhole Type C (each)	2	\$ 1,313.00	\$ 2,626.00				
Storm Inlet Manhole Type C (each)	4	\$ 1,330.00	\$ 5,320.00				
Double Curb Inlet Manhole Type C (each)	1	\$ 2,000.00	\$ 2,000.00				
Swale Inlet Type E (each)	2	\$ 964.00	\$ 1,928.00				
Swale Inlet Type F (each)	4	\$ 964.00	\$ 3,856.00				
Diversion Manhole Type C (each)	2	\$ 1,500.00	\$ 3,000.00				
Diversion Manhole Type J (each)	1	\$ 2,000.00	\$ 2,000.00				
Aquaswirl Unit AS-2 (each)	1	\$ 20,000.00	\$ 20,000.00				
Aquaswirl Unit AS-3 (each)	1	\$ 25,000.00	\$ 25,000.00				
Aquaswirl Unit AS-4 (each)	1	\$ 30,000.00	\$ 30,000.00				
End Section - 12" (each)	2	\$ 1,000.00	\$ 2,000.00				
End Section - 12" / with trash guard (each)	2	\$ 1,000.00	\$ 2,000.00				
End Section - 18" / with trash guard (each)	1	\$ 1,200.00	\$ 1,200.00				
Backfill							
Granular bedding (#8) (tons)	220	\$ 17.41	\$ 3,830.20				
Granular backfill (#53) (tons)	950	\$ 11.40	\$ 10,830.00				
Pipe	Quantity	Unit	Size	Material	Unit Price	Gross Price	
	925	LF	12"	RCP	\$ 23.00	\$ 21,275.00	
	335	LF	15"	RCP	\$ 23.00	\$ 7,705.00	
	306	LF	18"	RCP	\$ 30.85	\$ 9,440.10	
	320	LF	6" (Street)	Underdrain	\$ 6.76	\$ 2,163.20	
	3376	LF	6" (Swales)	Underdrain	\$ 6.76	\$ 22,821.76	
	32	Each	6" (Lot Lead)	Underdrain	\$ 92.28	\$ 2,952.96	
						\$ -	
Other							
				Rip Rap (tons)	110	\$ 40.00	\$ 4,400.00
				Rock Lined Chute (each)	2	\$ 2,200.00	\$ 4,400.00
				Connect to existing manhole (core) (each)	3	\$ 100.00	\$ 300.00
				Testing and televising (lf - main)	1,566	\$ 2.50	\$ 3,915.00
						<b>STORM SEWERS TOTAL:</b>	<b>\$ 205,263.22</b>

### 3. STORM SEWERS (legal drain)

		Quantity	Unit Price	Gross Price		
Structures	Inlet Type A (each)	0	\$ 1,150.00	\$ -		
	Storm Manhole Type C (each)	1	\$ 1,313.00	\$ 1,313.00		
	Storm Inlet Manhole Type C (each)	3	\$ 1,330.00	\$ 3,990.00		
	End Section - 12" / with animal guard w/ swing action (each)	1	\$ 1,000.00	\$ 1,000.00		
	End Section - 24" / with animal guard w/ swing action (each)	1	\$ 1,400.00	\$ 1,400.00		
	End Section - 24" / with trash guard (each)	1	\$ 1,400.00	\$ 1,400.00		
Backfill	Granular bedding (#8) (tons)	120	\$ 17.41	\$ 2,089.20		
	Granular backfill (#53) (tons)	520	\$ 11.40	\$ 5,928.00		
Pipe	Quantity	Unit	Size	Material	Unit Price	Gross Price
	468	LF	12"	RCP	\$ 23.00	\$ 10,764.00
	0	LF	15"	RCP	\$ 23.00	\$ -
	0	LF	18"	RCP	\$ 30.85	\$ -
	0	LF	21"	RCP	\$ 33.00	\$ -
	391	LF	24"	RCP	\$ 35.70	\$ 13,958.70
	0	LF	30"	RCP	\$ 44.00	\$ -
	0	LF	6" (Street)	Underdrain	\$ 6.76	\$ -
	0	LF	6" (Swales)	Underdrain	\$ 6.76	\$ -
	0	Each	6" (Lot Lead)	Underdrain	\$ 92.28	\$ -
Other	Rip Rap (tons)	100	\$ 40.00	\$ 4,000.00		
	Rock Lined Chute (each)	0	\$ 2,200.00	\$ -		
	Connect to existing manhole (core) (each)	1	\$ 100.00	\$ 100.00		
	Testing and televising (lf - main)	859	\$ 2.50	\$ 2,147.50		
	<b>STORM SEWERS TOTAL:</b>				<b>\$ 48,090.40</b>	

### 4. CURBS

Curb and gutter - Roll curb (lf)	4,105	\$ 6.85	\$ 27,298.25
<b>CURBS TOTAL:</b>			<b>\$ 27,298.25</b>

### 5. PAVING

Onsite paving	Quantity	Unit Price	Gross Price
6" base stone compacted, #53, including 6" stone under curb (sy)	8,000	\$ 4.56	\$ 36,480.00
INDOT HMA 25mm base (2.5") (sy)	7,100	\$ 6.55	\$ 46,505.00
INDOT HMA 19mm intermediate (2.5") (sy)	7,100	\$ 6.85	\$ 48,635.00
INDOT HMA 9.5mm surface (1.5") (sy)	7,100	\$ 5.41	\$ 38,411.00
<b>PAVING (ONSITE) TOTAL:</b>			<b>\$ 170,031.00</b>

#### 169th Street

Entrance with decel lane, taper, accel lane (south side) (Collector section):

6" base stone compacted, #53, including 6" stone under curb (sy)	880	\$ 13.67	\$ 12,029.60
INDOT HMA 19mm intermediate (2") (sy)	850	\$ 5.24	\$ 4,454.00
INDOT HMA 25mm base (4") (sy)	850	\$ 8.94	\$ 7,599.00
INDOT HMA 19mm intermediate (2.5") (sy)	850	\$ 9.08	\$ 7,718.00
INDOT HMA 9.5mm surface (1.5") (sy)	850	\$ 5.99	\$ 5,091.50
<b>PAVING SUB-TOTAL:</b>			<b>\$ 36,892.10</b>

Widening (south side only) (Thoroughfare road):

6" base stone compacted, #53 (sy)	335	\$ 8.32	\$ 2,787.20
INDOT HMA 25mm base (2.5") (sy)	335	\$ 9.17	\$ 3,071.95
INDOT HMA 19mm intermediate (2.5") (sy)	335	\$ 9.30	\$ 3,115.50
INDOT HMA 9.5mm surface (1.5") (sy)	335	\$ 7.69	\$ 2,576.15
<b>PAVING SUB-TOTAL:</b>			<b>\$ 11,550.80</b>

Overlay (all of existing street along frontage):

Milling of existing asphalt at transition ends (sy)	40	\$ 14.76	\$ 590.40
INDOT HMA 9.5mm surface - wedge and level (ton)	8	\$ 95.11	\$ 760.88
INDOT HMA 9.5mm surface (1.5") (sy)	1,500	\$ 6.05	\$ 9,075.00
Thermo plastic striping: 2 white edges, 1 double yellow center (ls)	1	\$ 3,639.00	\$ 3,639.00
<b>PAVING SUB-TOTAL:</b>			<b>\$ 14,065.28</b>

**PAVING TOTAL: \$ 232,539.18**

**6. EROSION CONTROL**

	Quantity	Unit Price	Gross Price
<i>Seeding</i>	Temporary seed & straw mulch (sy)	37,000	\$ 0.405 \$ 14,985.00
	Rotary seeding & straw mulch - pads (acres)	7.1	\$ 100.00 \$ 710.00
	Permanent seed with blanket (lake) (sy)	5,125	\$ 0.405 \$ 2,075.63
	Permanent seed with blanket (swales) (sy)	1,750	\$ 1.17 \$ 2,047.50
	Permanent seed with straw (sy)	37,000	\$ 0.405 \$ 14,985.00
			\$ -
<i>Other</i>	Silt fencing (perimeter) (lf)	4,750	\$ 1.00 \$ 4,750.00
			\$ -
	Concrete washout (each)	1	\$ 500.00 \$ 500.00
	Construction Entrance (each)	1	\$ 3,700.00 \$ 3,700.00
	Inlet Protection (curbs) (each)	18	\$ 30.00 \$ 540.00
	Inlet Protection (beehives) (each)	12	\$ 30.00 \$ 360.00
<b>EROSION CONTROL TOTAL</b>			<b>\$ 44,653.13</b>

**7. SIDEWALKS**

	Quantity	Unit Price	Gross Price
Four-foot (4') wide concrete sidewalks - builder lots only (lf)	3,622	\$ 12.00	\$ 43,464.00
Four-foot (4') wide concrete sidewalks - common areas only (lf)	520	\$ 12.00	\$ 6,240.00
Eight-foot (8') wide asphalt multi-use path (sy)	450	\$ 30.21	\$ 13,594.50
<b>SIDEWALKS TOTAL:</b>			<b>\$ 63,298.50</b>

**8. STREET TREES**

	Quantity	Unit Price	Gross Price
Street Trees (each)	80	\$ 220.00	\$ 17,600.00
<b>STREET TREES TOTAL:</b>			<b>\$ 17,600.00</b>

**9. STREET SIGNS**

	Quantity	Unit Price	Gross Price
Standard street name sign (each)	3	\$ 325.00	\$ 975.00
Traffic control sign (each)	10	\$ 225.00	\$ 2,250.00
Barricade (Type III) (each)	0	\$ 1,200.00	\$ -
<b>STREET SIGNS TOTAL:</b>			<b>\$ 3,225.00</b>

**10. MONUMENTS**

	Quantity	Unit Price	Gross Price
Standard centerline monument (each)	13	\$ 100.00	\$ 1,300.00
Standard perimeter monument (each)	11	\$ 140.00	\$ 1,540.00
Standard lot monument (each)	115	\$ 25.00	\$ 2,875.00
<b>MONUMENTS TOTAL:</b>			<b>\$ 5,715.00</b>

**GUARANTEE SUMMARY**

	Performance	Maintenance
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X.20

For Group CASH @ 120%  
57708.48

		Total A	Guarantee B = A X 110%	Guarantee C = B X 20%
Guarantee 1	Sanitary Sewers ✓	\$ 170,161.85	\$ 187,178.04	\$ 37,435.61
Guarantee 2	Storm Sewers (non-legal drain) ✓	\$ 205,263.22	\$ 225,789.54	\$ 45,157.91
Guarantee 3	Storm Sewers (legal drain) ✓	\$ 48,090.40	\$ 52,899.44	\$ 10,579.89
Guarantee 4	Curbs ✓	\$ 27,298.25	\$ 30,028.08	\$ 6,005.62
Guarantee 5	Paving ✓	\$ 232,539.18	\$ 255,793.10	\$ 51,158.62
Guarantee 6	Erosion Control ✓	\$ 44,653.13	\$ 49,118.44	\$ 9,823.69
Guarantee 7	Sidewalks ✓	\$ 63,298.50	\$ 69,628.35	\$ 13,925.67
Guarantee 8	Street Trees ✓	\$ 17,600.00	\$ 19,360.00	\$ 3,872.00
Guarantee 9	Street Signs	\$ 3,225.00	\$ 3,547.50	\$ 709.50
Guarantee 10	Monuments	\$ 5,715.00	\$ 6,286.50	\$ 1,257.30

COMMENTS: 9834

*Lantz McElroy*

Bond Estimate Prepared by:

Signature \_\_\_\_\_  
 Lantz McElroy, P.E.  
 Printed Name \_\_\_\_\_  
 Sr. Project Manager  
 Title \_\_\_\_\_

1/9/2015  
 Date

## Todd Schaefer

---

**From:** Paul Claire  
**Sent:** Thursday, January 15, 2015 2:05 PM  
**To:** Todd Schaefer  
**Subject:** FW: Essex of Noblesville Section 4 - revisions

Paul Claire  
Arbor Homes, LLC  
Arbor Investments, LLC  
Silverthorne Homes, LLC  
6626 East 75<sup>th</sup> Street, Suite 400  
Indianapolis, IN 46250  
317-842-1875 x 204 office  
317-714-3346 mobile

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**From:** Steve T. Cash [mailto:Steve.Cash@hamiltoncounty.in.gov]  
**Sent:** Tuesday, August 12, 2014 5:01 PM  
**To:** Lantz McElroy  
**Cc:** Joyceann Yelton; Andy Wert; Paul Claire; Jerry L. Liston  
**Subject:** RE: Essex of Noblesville Section 4 - revisions

Lantz,

Based on the latest revisions, it appears our previous plan review comments for Essex of Noblesville, Sec. 4 have been satisfactorily addressed. Please forward the surety for the regulated drain relocation (120%), as well as, the engineers estimate or copy of the contract for the cost of the drain relocation. I will then, prepare the Surveyor's Report pursuant to the Drainage Board's approval.

Have a great day,

Steve Cash

*Steven T. Cash*  
Plan Reviewer  
Hamilton County Surveyors Office  
[steve.cash@hamiltoncounty.in.gov](mailto:steve.cash@hamiltoncounty.in.gov)

*Hamilton  
County  
Commissioners*  
*cost*  
*\$48,090.40*  
*x 1.20*  
*57,708.48*

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**From:** Lantz McElroy [mailto:LMcElroy@schneidercorp.com]  
**Sent:** Tuesday, August 12, 2014 3:57 PM  
**To:** Steve T. Cash  
**Cc:** Joyceann Yelton; Andy Wert; 'Paul Claire, PE'  
**Subject:** RE: Essex of Noblesville Section 4 - revisions

Steve – please find the revised Sheet T101 per your comment about the 2 trees on the phone just a few minutes ago. I will put a hard copy of this plan in the UPS ground to you also. You should have it by Thursday. Thank you.

# ARBOR HOMES, LLC

## Transmittal Letter

To: Steve Cash		From: Todd Schaefer	
Company:		Date: June 27, 2014	
Hamilton County Surveyors Office County Government Building Noblesville, In. 46060		Arbor Homes 6626 E. 75 <sup>th</sup> Street Suite 400 Indianapolis, IN 46250	
Phone Number: 776-8495		Re: Essex of Noblesville Section 4	
Fax Number:			
<b>Transmitted herewith via:</b>			
<input type="checkbox"/> Mail	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier / Pick-up	<input type="checkbox"/>
<input type="checkbox"/> For Your Use	<input type="checkbox"/> For Review	<input type="checkbox"/> Please Comment	<input type="checkbox"/> Please Reply

**Notes/Comments:**

Rod,

Attached please find the following:

1. You're Approval Email.
2. An Engineers Estimate
3. The original Performance Bond # 5042199

Thanks as always for your assistance.

Todd Schaefer  
Arbor Investments, LLC  
317 842-1875 ext. 139  
(317) 379-4917 mob.

Cc: file

COPY

PERFORMANCE BOND NO. 5042199

FILED

JAN 23 2015

# Bond Safeguard INSURANCE COMPANY

12890 Lebanon Road  
Mt. Juliet, TN 31722

OFFICE OF HAMILTON COUNTY SURVEYOR

KNOW ALL MEN BY THESE PRESENTS:

HCDB-2015-00014

That Arbor Investments, LLC, 6626 E. 75th Street, #400, Indianapolis, IN 46250

(hereinafter called Principal), as Principal, and the BOND SAFEGUARD INSURANCE COMPANY, a corporation of the State of Illinois, with its Executive Office in Lombard, Illinois, (hereinafter called Surety), are held and firmly bound unto Hamilton County Commissioners, 1 North 8th Street, Noblesville, IN 46060 (hereinafter called Oblgee), in the full and just sum

of Fifty Seven Thousand Seven Hundred Eight and 48/100 Dollars (\$ 57,708.48 ).

To the payment of which sum, well and truly to be made, the Principal and Surety bind themselves, their and each of their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Signed, sealed and dated this 2nd day of February, 20 15  
WHEREAS, the Principal has entered into a certain written contract, dated the 2nd day of February, A.D. 20 15, with the Oblgee for

Essex of Noblesville Section 4; Storm Sewer (Legal Drain) for the regulated drain required by The Hamilton County Surveyors Office

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, That, if the Principal shall indemnify the Oblgee against any and all loss or damage directly arising by reason of the failure of the Principal to faithfully perform said contract, then this obligation shall be void; otherwise to remain in full force and effect.

This bond is executed and accepted upon the following express conditions precedent:

1. That the Oblgee shall faithfully and punctually perform all the terms and conditions of said contract to be performed by the Oblgee.
2. That if the Principal shall abandon said contract or be lawfully compelled by reason of a default to cease operations thereunder, the Surety shall have the right at its option to complete said contract or to sublet the completion thereof.
3. That the Oblgee shall notify the Surety by registered letter, addressed and mailed to it at its Executive Office, of any breach of said contract within a reasonable time after such breach shall have come to the knowledge of the Oblgee, or the Architect, or Engineer.
4. That the Surety shall not be liable for any provisions of the contract or specifications respecting guarantees of efficiency or wearing qualities, or for maintenance or repairs, not is the Surety obligated to furnish any other bond covering such provisions of the contract or specifications.
5. All suits at law or proceedings in equity to recover on this bond must be instituted within twelve months after the completion of said contract, and in any event within twelve months from the date fixed in said contract for its completion.

Arbor Investments, LLC  
\_\_\_\_\_  
PRINCIPAL

By \_\_\_\_\_ (Seal)  
Title

WITNESS Tade S. [Signature]

BOND SAFEGUARD INSURANCE COMPANY

WITNESS [Signature]

By [Signature]  
Liana M. Shelton, Attorney-in-fact

# Bond Safeguard INSURANCE COMPANY

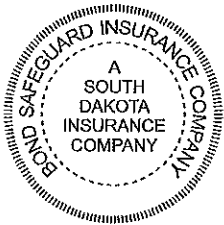
KNOW ALL MEN BY THESE PRESENTS, that **BOND SAFEGUARD INSURANCE COMPANY**, a South Dakota Corporation with its principal office in Sioux Falls, South Dakota, does hereby constitute and appoint: Daniel T. Touw, Liana M. Shelton, Jason D. McEldowney its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surety, any and all bonds, undertakings or other writings obligatory in nature.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **BOND SAFEGUARD INSURANCE COMPANY** on the 7<sup>th</sup> day of November, 2001 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond, \$ 1,000,000.00, One Million dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed to by facsimile on any power of attorney granted, and the signature of the Assistant Secretary, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **BOND SAFEGUARD INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate seal to be affixed this 7<sup>th</sup> day of November, 2001.



**BOND SAFEGUARD INSURANCE COMPANY**

BY   
David E. Campbell  
President

### ACKNOWLEDGEMENT

On this 7<sup>th</sup> day of November, 2001, before me, personally came David E. Campbell to me known, who being duly sworn, did depose and say that he is the President of **BOND SAFEGUARD INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.



AMY L. TAYLOR  
Notary Public- State of Tennessee  
Davidson County  
My Commission Expires 01-09-16

BY   
Amy L. Taylor  
Notary Public

### CERTIFICATE

I, the undersigned, Assistant Secretary of **BOND SAFEGUARD INSURANCE COMPANY**, A South Dakota Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Sealed at Mount Juliet, Tennessee this 2nd Day of February, 2015



BY   
Andrew Smith  
Assistant Secretary

**WARNING: Any person who knowingly and with intent to defraud any insurance company or other person, files an application for insurance or statement of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact material hereto, commits a fraudulent insurance act, which is a crime and subjects such person to criminal and civil penalties.**

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF

*Vestal/Kirkendall Drainage Area, A. J. Brock Arm  
Essex of Noblesville Section 4 Relocation*

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 **Vestal/Kirkendall Drainage Area, A. J. Brock Arm, Essex of Noblesville Section 4 Relocation** on **May 23, 2016 at 9:00 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 Vestal/Kirkendall Drainage Area, A. J.  
Brock Arm, Essex of Noblesville Section 4 Relocation.

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **May 23, 2016** 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.

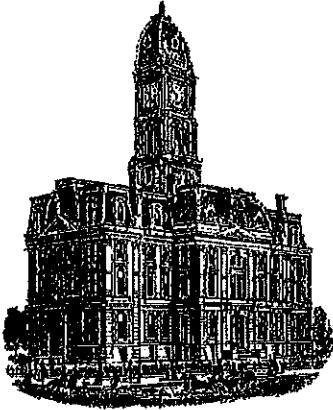
If judicial review of the findings and order of the Board is not requested pursuant to Article VIII of the 1965 Indiana Drainage Code as amended within twenty (20) days from the date of publication of this notice, the findings and order shall become conclusive.

HAMILTON COUNTY DRAINAGE BOARD

BY: Christine Altman  
PRESIDENT

ATTEST: Lynette Mosbaugh  
SECRETARY

66W



*Kenton C. Ward, CFM*  
*Surveyor of Hamilton County*  
*Phone (317) 776-8495*  
*Fax (317) 776-9628*

*Suite 188*  
*One Hamilton County Square*  
*Noblesville, Indiana 46060-2230*

**To: Hamilton County Drainage Board**

**February 15, 2018**

**Re: Vestal-Kirkendall: AJ Brock Drain – Essex of Noblesville Sec. 4 Relocation**

Attached are as-built, certificate of completion & compliance, and other information for Essex Section 4 Relocation. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated March 12, 2016. The report was approved by the Board at the hearing held May 23, 2016. (See Drainage Board Minutes Book 16, Pages 546-548) The changes are as follows: the 12" RCP was shortened from 468 feet to 459 feet. The open ditch was lengthened from 444 feet to 474 feet. The 24" RCP was shortened from 391 feet to 376 feet. The length of the drain due to the changes described above is now **1,309 feet**. The original AJ Brock tile was abandoned from Sta. 12+64 to Sta. 24+12. Therefore, this project added 161 feet to the drain's overall length.

The non-enforcement was approved by the Board at its meeting on May 23, 2016 and recorded under instrument #2016023282.


The following sureties were guaranteed by Bond Safeguard Insurance Company and released by the Board on its February 12, 2018 meeting.

Bond-LC No: 5042199  
Amount: \$57,708.48  
For: Storm Sewers  
Issue Date: February 2, 2015



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

FILED

FEB 06 2018

Re: Essex of Noblesville Section 4

OFFICE OF HAMILTON COUNTY SURVEYOR

I hereby certify that:

1. I am a Registered Land Surveyor or Engineer in the State of Indiana.
2. I am familiar with the plans and specifications for the above referenced subdivision.
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision.
4. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been installed and completed in conformity with all plans and specifications.
5. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been correctly represented on the Record Drawings, Digital Record Drawings and the Structure Data Spreadsheet.

Signature: BDF Date: 2/06/18

Type or Print Name: Brian D. Fisher

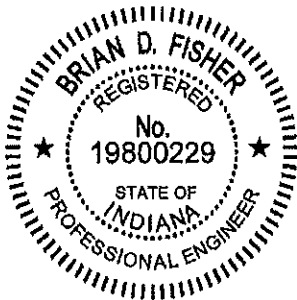
Business Address: 8901 Otis Avenue, Indianapolis, IN 46216

Telephone Number: 317-826-7145

SEAL

INDIANA REGISTRATION NUMBER

19800229



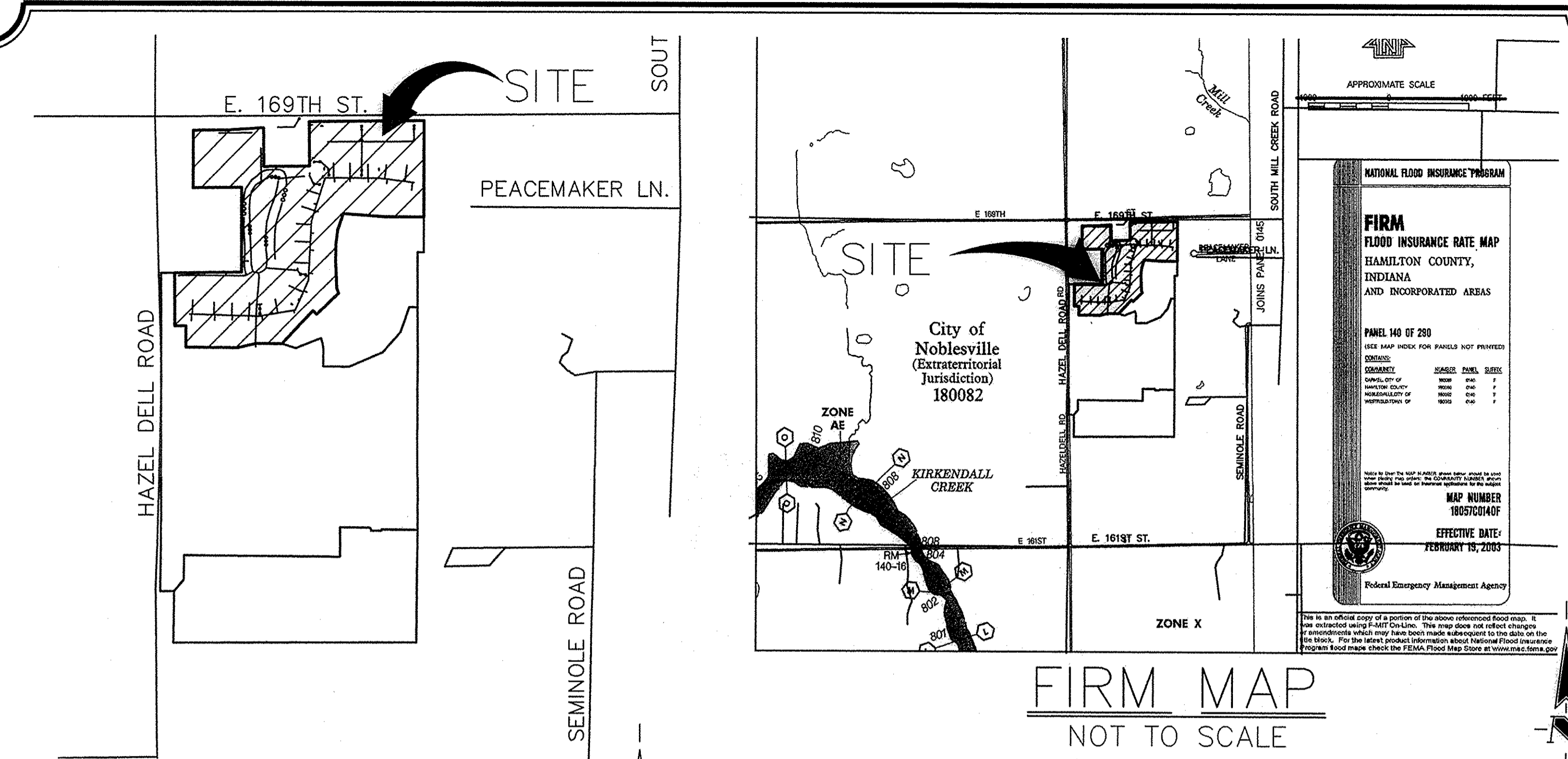
Note: There is not a licensed engineer currently on staff at The Schneider Corporation that worked on this project. This certification is based on a review of the construction drawings and record drawing information in the project files. A site visit was not personally made by me to confirm the the content shown on the record drawings.

# AS-BUILTS - SEC.3-T18N-R4E - ESSEX OF NOBLESVILLE SECTION 4

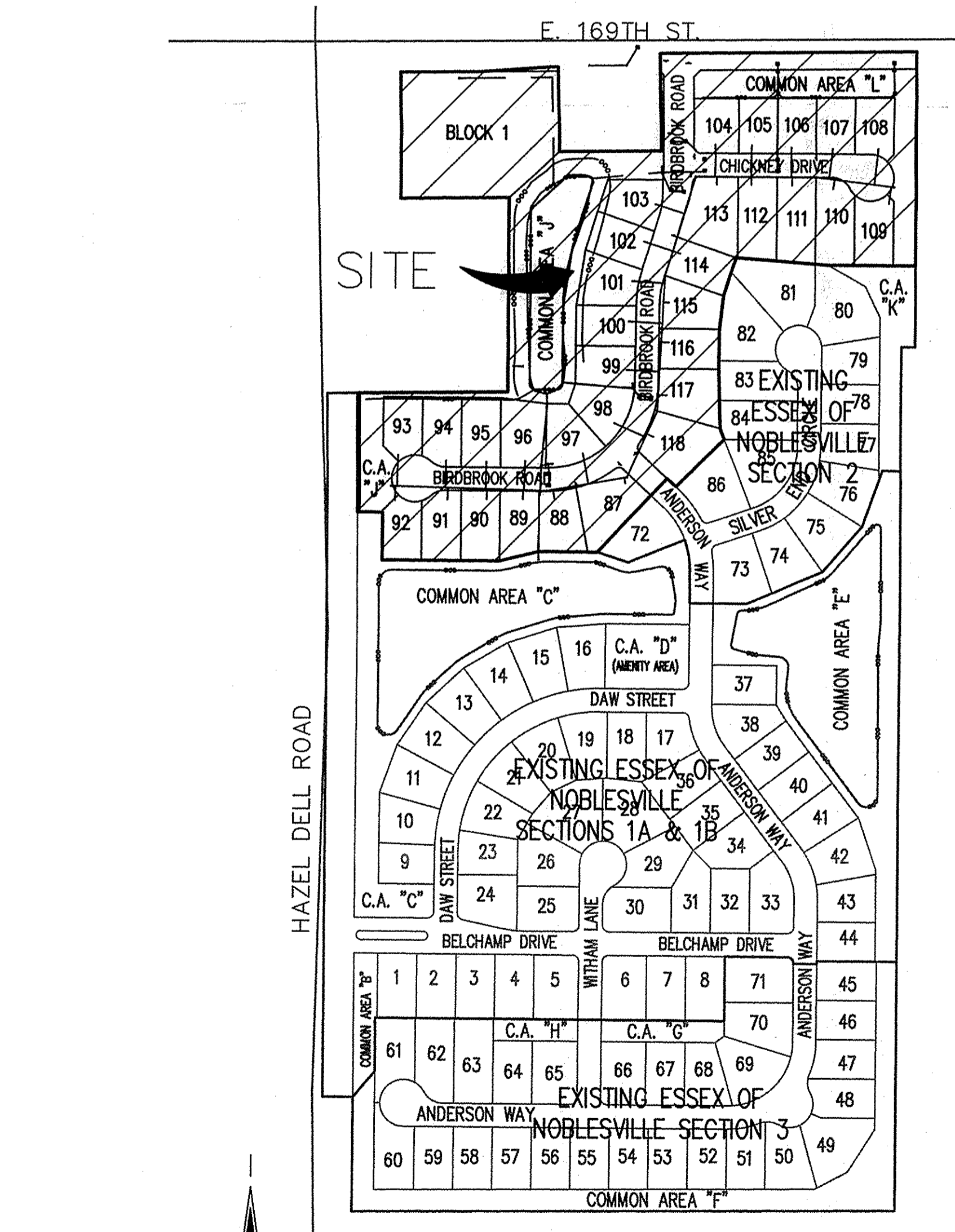
(RESIDENTIAL SUBDIVISION  
FINAL CONSTRUCTION PLANS)  
HAMILTON COUNTY  
NOBLESVILLE, INDIANA

DEVELOPER:  
ARBOR INVESTMENTS, LLC

6626 E. 75TH STREET, SUITE 400  
INDIANAPOLIS, INDIANA 46250  
OFFICE: (317) 842-1875 ext. 204  
CONTACT PERSON: Paul Claire  
E-MAIL ADDRESS: paul@arborhomesllc.com



AREA MAP  
SCALE 1" = 500'



SITE MAP  
SCALE: 1" = 250'

LATITUDE	LONGITUDE
40° 01' 53" N	86° 04' 06" W

PIPE	DEPTH	LENGTH
12" RCP Class 3	24" - 4'	258'
12" RCP Class 3	44" - 6'	356'
12" RCP Class 3	64" - 8'	265'
12" RCP Class 3	84" - 10'	514'
15" RCP Class 3	44" - 6'	167'
15" RCP Class 3	64" - 8'	168'
18" RCP Class 3	64" - 8'	48'
18" RCP Class 3	84" - 10'	258'
24" RCP Class 3	24" - 4'	31'
24" RCP Class 3	44" - 6'	36'
24" RCP Class 4	104" - 12'	324'
<b>TOTAL</b>		<b>2,425'</b>

Structure#	Structure Type	Neenah Coating Type	East Jordan Coating Type
700	End Section	N/A	N/A
701	Swale Inlet Manhole	R-4342	6489N
702	Storm Manhole	R-1772	1022
703	Swale Inlet Manhole	R-4342	6489N
704	End Section	N/A	N/A
705	Diversion Manhole Type C	R-1772	1022
706	Double Curb Inlet Type A	R-3501-TR	7495M1
707	Double Curb Inlet Type A	R-3501-TR	7495M2
708	Water Quality Structure	N/A	N/A
730	End Section	N/A	N/A
731	Diversion Manhole Type C	R-1772	1022
732	Water Quality Structure	N/A	N/A
733	Double Curb Inlet Manhole Type C	R-3501-TR	7495M2
734	Double Curb Inlet Type A	R-3501-TR	7495M1
735	End Section	N/A	N/A
737	Water Quality Structure	R-1772	1022
738	Diversion Manhole Type J	R-4215-C	6610
742	Swale Inlet Type F	R-4215-C	6610
743	Swale Inlet Type F	R-4215-C	6610
744	Swale Inlet Type F	R-4215-C	6610
745	Swale Inlet Type E	R-4215-C	6610
746	Swale Inlet Type F	R-4215-C	6610
747	Swale Inlet Type E	R-4215-C	6610
748	Curb Inlet Type A	R-3501-TR	7495M2
749	Curb Inlet Type A	R-3501-TR	7495M1
750	Curb Inlet Manhole Type C	R-3501-TR	7495M1
751	Curb Inlet Type A	R-3501-TR	7495M2
753	Curb Inlet Manhole Type C	R-3501-TR	7495M1
754	Curb Inlet Type A	R-3501-TR	7495M2
790	End Section	N/A	N/A
798	Swale Inlet Manhole	R-4342	6489N
799	End Section	N/A	N/A
898	End Section	N/A	N/A
992	End Section	N/A	N/A

PIPE	DEPTH	LENGTH
8" PVC SDR-35	64" - 8'	550'
8" PVC SDR-35	84" - 10'	162'
8" PVC SDR-35	104" - 12'	717'
8" PVC SDR-26	124" - 14'	277'
<b>TOTAL</b>		<b>1,706'</b>

Structure#	Structure Type	Neenah Coating Type	East Jordan Coating Type
490	Sanitary Manhole Type A	R-1772	1022N1
491	Sanitary Manhole Type A	R-1772	1022N1
492	Sanitary Manhole Type A	R-1772	1022N1
493	Sanitary Manhole Type A	R-1772	1022N1
494	Sanitary Manhole Type A	R-1772	1022N1
495	Sanitary Manhole Type A	R-1772	1022N1
496	Sanitary Manhole Type A	R-1772	1022N1

STREET	N/E LIMITS	S/W LIMITS	CL LENGTH (FT)	CL LENGTH (MILES)
BRIDGROOK ROAD	-	E. 169TH ST - END	1417.02	0.2684
CHICKNEY DRIVE	BRIDGROOK RD - END	-	449.50	0.0851
ANDERSON WAY	SEC 2 - BRIDGROOK RD	-	125.42	0.0238
<b>TOTAL</b>			<b>1991.94</b>	<b>0.3773</b>

TYPE	NUMBER
STOP, R1-1, 30"	3
STREET NAME	3
SPEED LIMIT (25 MPH)	7

TYPE	NUMBER
City Std. Decorative	5

TYPE	LENGTH
COMMON	490'
FULLY DEVELOPED	
(proposed including common)	4,029'
MULTI-USE ASPHALT PATH	525'

**Errors and Omissions Statement**  
Design professional certifying plans for the project acknowledges their professional responsibility for ensuring that all work is correct, accurate and complies with all appropriate laws, standards, regulations and ordinances. If such an error or omission is found, the design professional accepts full responsibility and shall determine a solution that complies with all appropriate laws, standards, regulations and ordinances. If such an error or omission is found, the developer is not relieved of complying with all appropriate laws, standards, regulations and ordinances.

SHEET No.	INDEX	DESCRIPTION
C100	COVER SHEET	
C101-C102	DEVELOPMENT PLANS	
C103-C104	PRE-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLANS	
C105-C106	CONSTRUCTION & POST CONSTRUCTION STORMWATER POLLUTION PREVENTION PLANS	
C107	SIGNAGE AND LIGHTING PLAN	
C201-C202	STREET PLAN AND PROFILES	
C301	ENTRANCE PLAN AND E. 169TH STREET CROSS SECTIONS	
C302	INTERSECTIONS AND CUL-DE-SACS PLAN	
C401-C402	SANITARY SEWER PLAN AND PROFILE	
C600	SUBSURFACE DRAIN PLAN	
C601-C603	STORM SEWER PLAN AND PROFILES	
C701	WATER DISTRIBUTION PLAN	
C702	WATER DETAILS	
C801	STORMWATER POLLUTION PREVENTION SPECIFICATIONS	
C802	STORMWATER POLLUTION PREVENTION DETAILS	
C803	GENERAL DETAILS AND SPECIFICATIONS	
C804	WATER QUALITY STRUCTURES DETAILS AND SPECIFICATIONS	
C805	HAMILTON COUNTY SURVEYOR'S OFFICE STANDARD DETAIL DRAWINGS	
T101-T102	STREET TREE AND LANDSCAPE PLAN	
T801	LANDSCAPE DETAILS	
SHT. 1-13	CITY OF NOBLESVILLE STANDARDS	

**NOTES:**  
1. The Noblesville Standards shall be incorporated by reference into these plans. No alternate specifications or materials or new materials may be used without the express written approval from the City of Noblesville prior to the completion of work. (SHEETS 1-13)  
2. No wetlands are impacted by this development.

DATE	BY	DESCRIPTION
07/03/14	LM	CITY OF NOBLESVILLE TAG REVISIONS.
07/03/14	LM	CITIZENS WESTFIELD WATER REVISIONS.
07/07/14	LM	IDEM SANITARY SEWER REVISIONS.
07/16/14	LM	CITIZENS WESTFIELD WATER REVISIONS.



Historic Fort Harrison  
8901 Otis Avenue  
Indianapolis, Indiana  
46216-1037  
317-826-7100  
317-826-7200 Fax  
www.schneidercorp.com

Architecture  
Civil Engineering  
GIS \* LIS  
Home Builder Services  
Interior Design  
Land Surveying  
Landscape Architecture  
Transportation Engineering

*Scott McElroy*  
CERTIFIED BY: LANTZ MCELROY, P.E.  
E-MAIL ADDRESS: lmcclroy@schneidercorp.com

PROJECT ENGINEER: KKC  
CHECKED BY: LM DATE CHECKED: 05/30/2014

**UTILITIES - NOBLESVILLE**

Water: Citizens Water of Westfield, LLC  
2150 Dr. Martin Luther King Jr. Street  
Indianapolis, IN 46202  
317-927-4338  
Attn: Harry Hildes

Gas: Vectren Energy Delivery  
16000 Allisonville Road  
PO Box 1700  
Noblesville, IN 46060  
317-776-5537  
Attn: Cathy Missen

Electric: Duke Energy  
100 South Mill Creek Road  
Noblesville, IN 46062  
317-776-5527  
Attn: Tim Hardin

Sanitary Sewer: City of Noblesville  
197 West Washington Street  
Noblesville, IN 46060  
317-776-6330

Cable: Comcast Cable  
5330 East 65th Street  
Indianapolis, IN 46220  
317-275-6493  
Attn: Matthew Stringer

Telephone: AT&T Indiana  
3658 North College Ave.  
Indianapolis, IN 46220  
317-252-4267  
Attn: Brian Peters

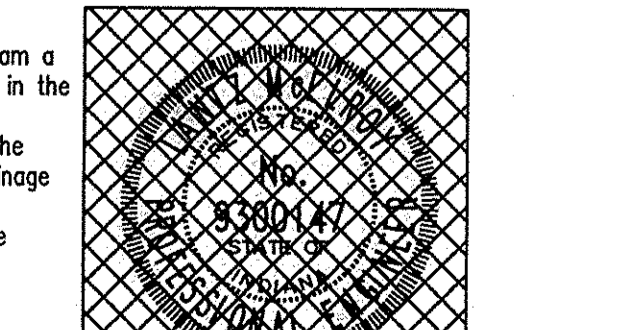
Storm Sewer: City of Noblesville  
16 South 10th Street,  
Suite 155  
Noblesville, IN 46060  
317-776-6330

Utility Hotline: 811

NOTE: The size and location of utilities are per plans and locations provided by the respective utility companies. All utility companies shall be notified prior to any excavation for field location of services.

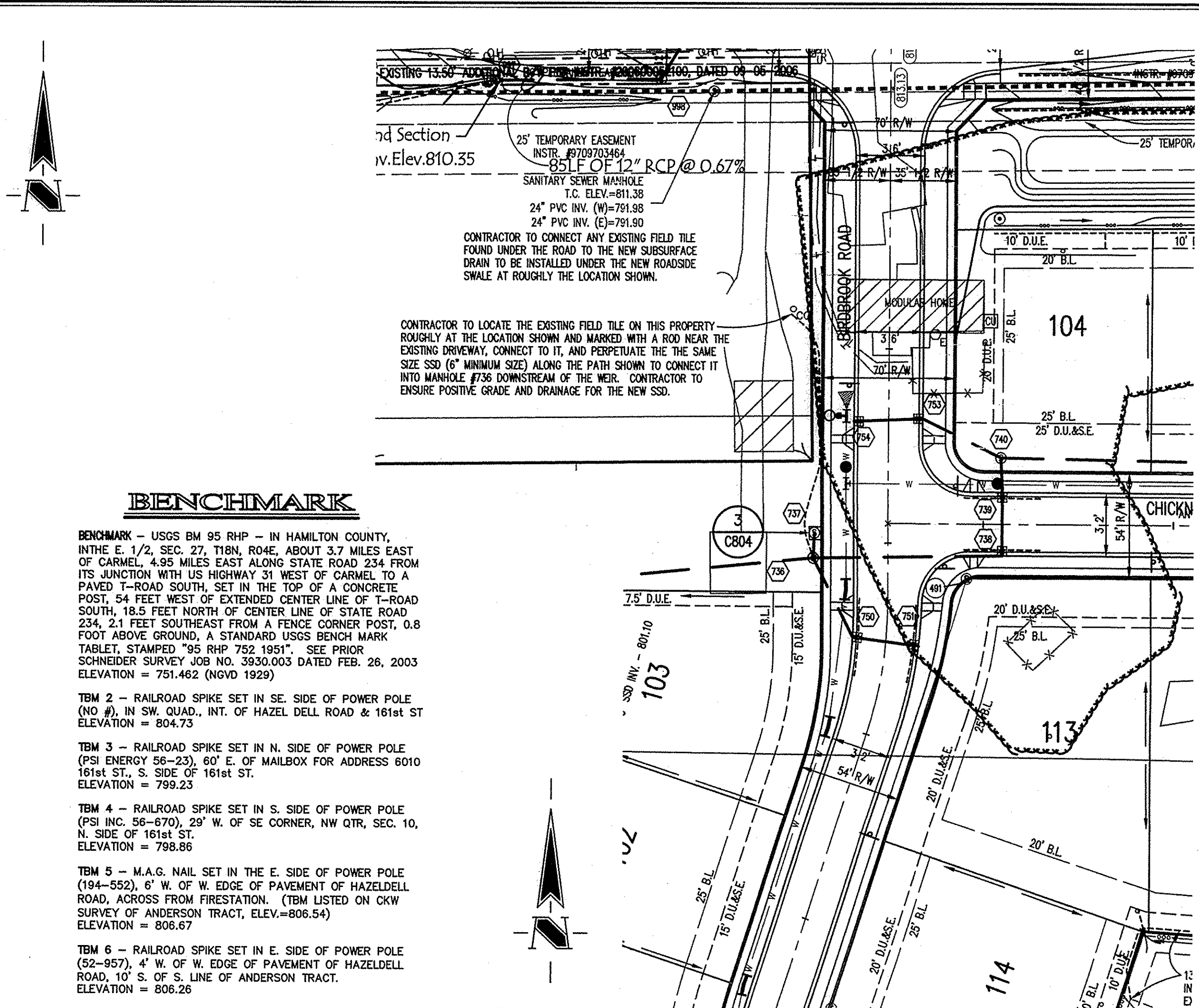
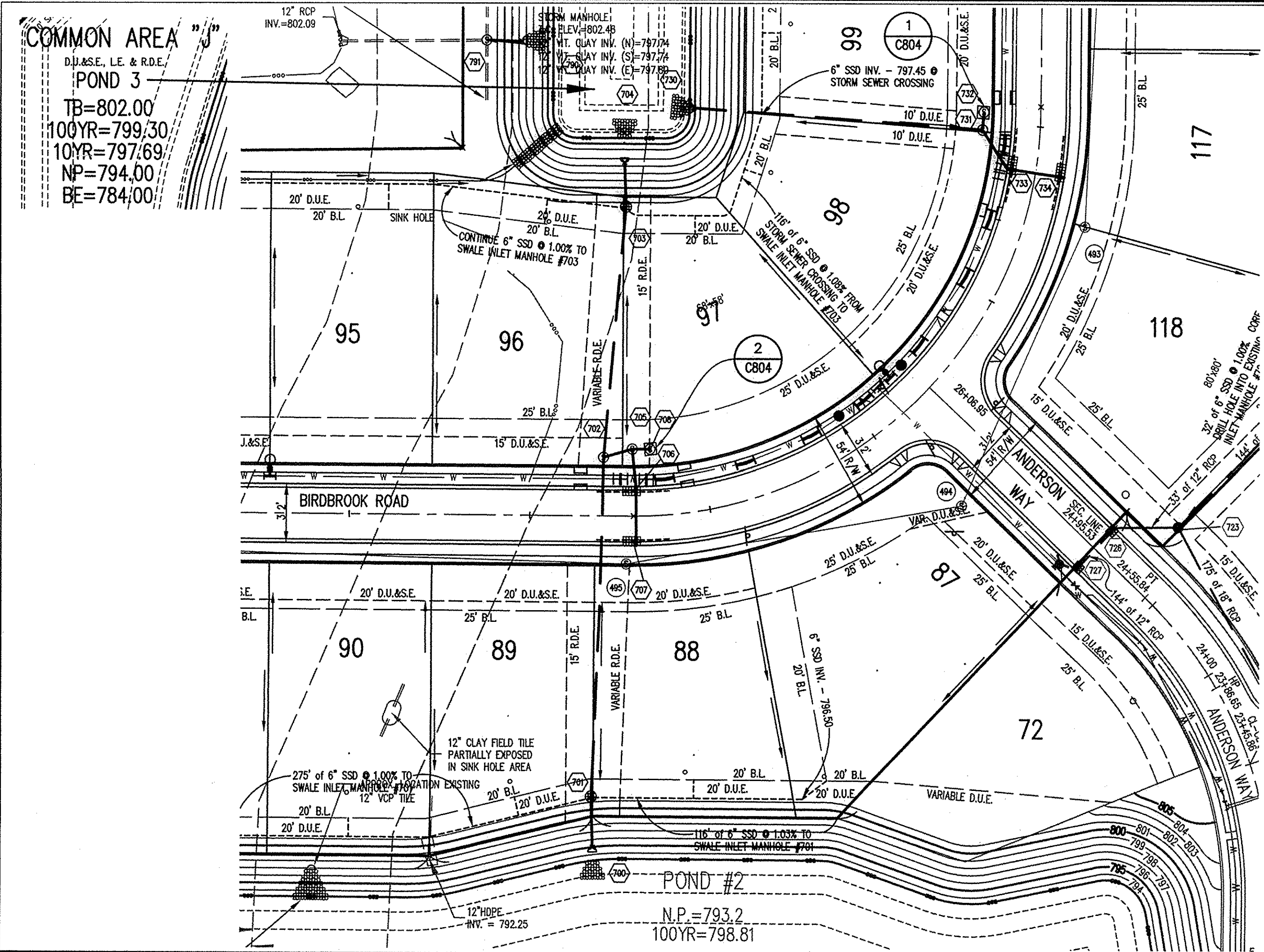
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.  
Entry Date: 2/18  
Entered by: SLM

THESE DOCUMENTS ARE SUBJECT TO PERIODIC REVISIONS BY THE SCHNEIDER CORPORATION. THE HOLDER IS RESPONSIBLE FOR VERIFYING THAT THESE DOCUMENTS ARE THE MOST CURRENT PRIOR TO USE.



I, Lantz McElroy, certify that I am a registered Professional Engineer in the State of Indiana, and to the best of my knowledge, the site development plans and drainage calculations for this site are in complete compliance with the Noblesville Technical Stormwater Standards Manual.  
DATE: 06/02/2014  
SHEET C100 OF 41

Plot Date: Feb 05, 2016 Plot Time: 1:40pm File Name: T:\5K\5575\400\DWGS\CT00.dwg, Layout: C100 By: mg



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

**GENERAL NOTES**

- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
- ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
- CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.
- REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE CROSSES PROPOSED HOUSE PADS OR RIGHT-OF-WAYS. ALL FIELD TILES INTERCEPTED TO BE PERPETUATED INTO THE STORM SEWER SYSTEM OR LAKE. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.
- ALL STORM PIPE FOR THE RECONSTRUCTION OF THE A.J. BROCK DRAIN TO FOLLOW HAMILTON COUNTY SURVEYOR'S OFFICE STANDARD DETAIL DRAWINGS, LATEST EDITION.

**REVISIONS:**  
1. 07/04/14, CAK

**DATE:** 07/01/15

THIS DRAWING AND THE IDEAS, DESIGNS AND CONCEPTS CONTAINED HEREIN ARE THE EXCLUSIVE INTELLECTUAL PROPERTY OF THE SCHNEIDER CORPORATION, AND ARE NOT TO BE USED OR REPRODUCED, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF THE SCHNEIDER CORPORATION.

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Architecture  
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Home Builder Services  
Interior Design  
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Landscape Architecture  
Transportation Engineering

ESSEX OF NOBLESVILLE  
SECTION 4  
HAMILTON COUNTY, NOBLESVILLE, INDIANA  
ARBOR INVESTMENTS, LLC  
6626 E. 75th STREET, SUITE 400, INDIANAPOLIS, INDIANA 46250

**BENCHMARK**

**BENCHMARK** - USGS BM 95 RHP - IN HAMILTON COUNTY, IN THE E. 1/2, SEC. 27, T18N, R04E, ABOUT 3.7 MILES EAST OF CARMEL, 4.95 MILES EAST ALONG STATE ROAD 234 FROM ITS JUNCTION WITH US HIGHWAY 31 WEST OF CAMEL TO A PAVED T-ROAD SOUTH, SET IN THE TOP OF A CONCRETE POST, 54 FEET WEST OF EXTENDED CENTER LINE OF T-ROAD SOUTH, 18.5 FEET NORTH OF CENTER LINE OF STATE ROAD 234, 2.1 FEET SOUTHWEST FROM A FENCE CORNER POST, 0.8 FOOT ABOVE GROUND, A STANDARD USGS BENCH MARK TABLET STAMPED "95 RHP 752 1951". SEE PRIOR SCHNEIDER SURVEY JOB NO. 3930.003 DATED FEB. 26, 2003 ELEVATION = 751.462 (NGVD 1929)

**TBM 2** - RAILROAD SPIKE SET IN SE. SIDE OF POWER POLE (P&S ENERGY 56-20), 60' E. OF MAILBOX FOR ADDRESS 6010 161st ST., S. SIDE OF 161st ST.  
ELEVATION = 804.73

**TBM 3** - RAILROAD SPIKE SET IN N. SIDE OF POWER POLE (P&S ENERGY 56-20), 29' W. OF SE CORNER, NW QTR, SEC. 10, N. SIDE OF 161st ST.  
ELEVATION = 799.23

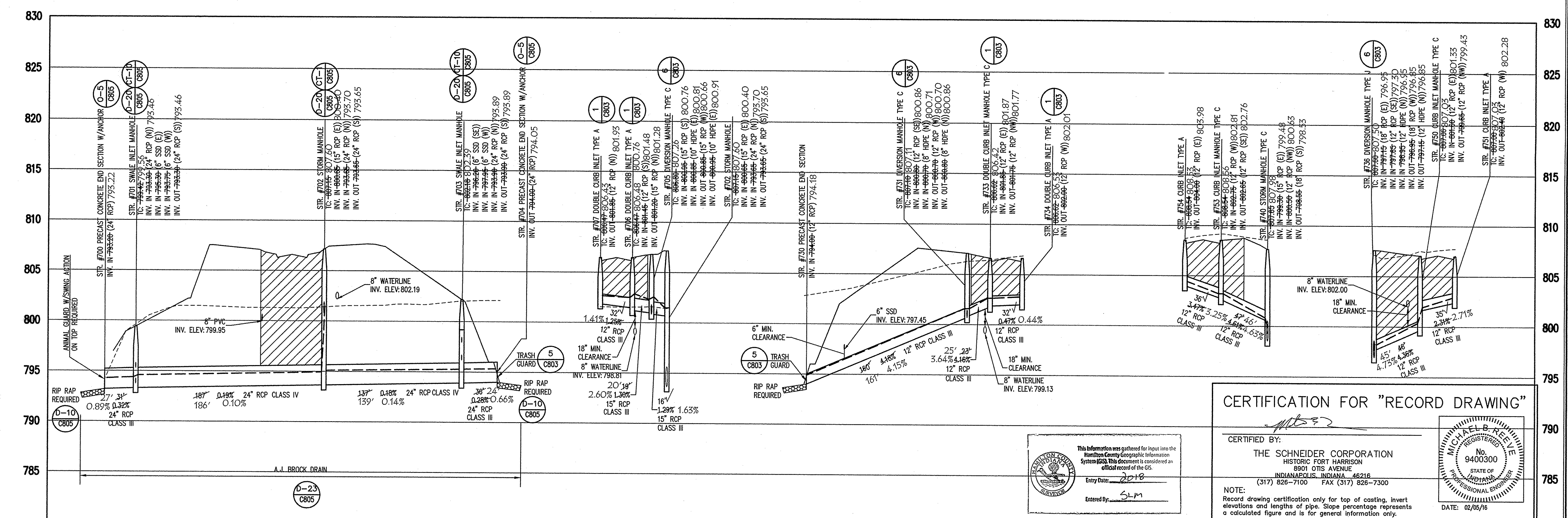
**TBM 4** - RAILROAD SPIKE SET IN S. SIDE OF POWER POLE (P&S INC. 56-670), 29' W. OF SE CORNER, NW QTR, SEC. 10, N. SIDE OF 161st ST.  
ELEVATION = 799.86

**TBM 5** - M.A.S. NAIL SET IN THE E. SIDE OF POWER POLE (194-552), 6' W. OF W. EDGE OF PAVEMENT OF HAZELDELL ROAD, ACROSS FROM FIRESTATION. (TBM LISTED ON CKW SURVEY OF ANDERSON TRACT, ELEV.=806.54)  
ELEVATION = 806.67

**TBM 6** - RAILROAD SPIKE SET IN E. SIDE OF POWER POLE (52-957), 4' W. OF W. EDGE OF PAVEMENT OF HAZELDELL ROAD, 10' S. OF S. LINE OF ANDERSON TRACT.  
ELEVATION = 806.26

**STORM SEWER PLAN**

SCALE: 1"=50'



**STORM SEWER PROFILE**

**LEGEND**

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

**C601**

Plot Date: Mar 04, 2016  
Plot Time: 11:15am  
File Name: T:\04\5575\400\Record drawings\C601-C603.dwg, Layout: C601  
By: mgg

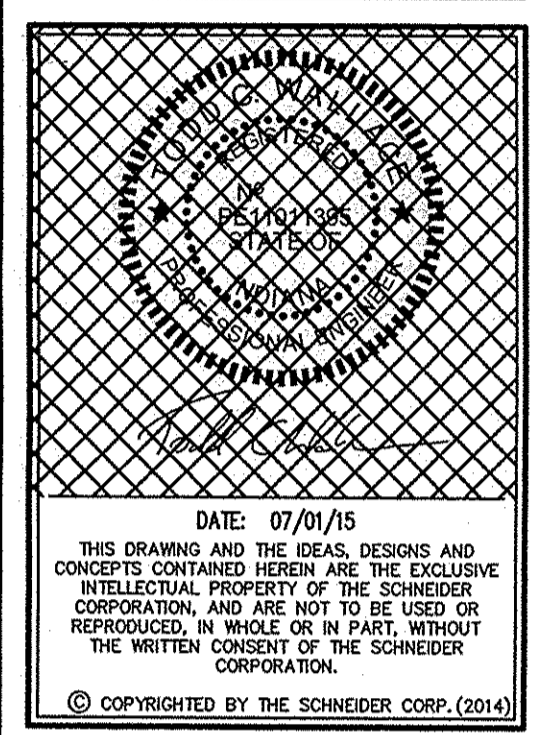


### GENERAL NOTES

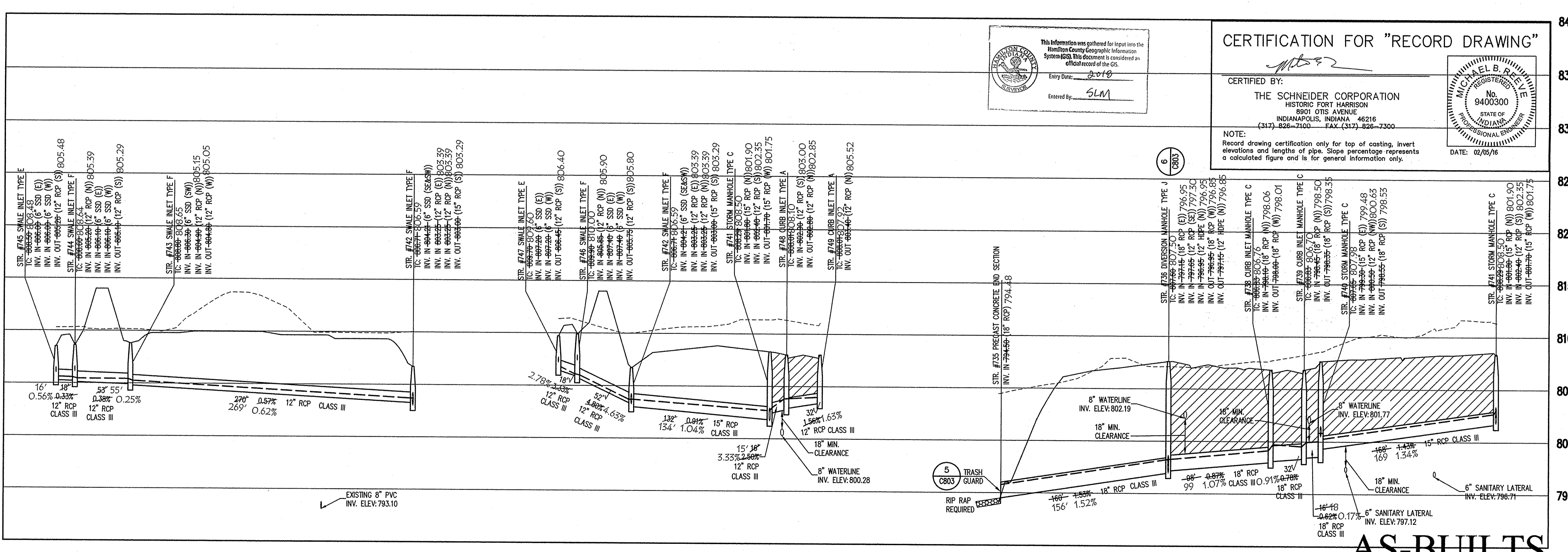
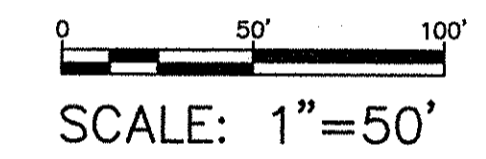
1. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
2. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
4. CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.
5. REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE CROSSES PROPOSED HOUSE PADS OR RIGHT-OF-WAYS. ALL FIELD TILES INTERCEPTED TO BE PERPETUATED INTO THE STORM SEWER SYSTEM OR LAKE. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.

Sheet No.	Description
4	Bedding Detail - Reinforced Concrete Pipe (RCP)
5	Roll Curb Inlet Detail
5	Beehive Inlet Manhole Detail
5	Swale Underdrain Detail
5	Storm Manhole Detail
C803 2	Swale Inlet Detail
C803 3	Precast Concrete End Section Detail
C803 5	Trash Guards for End Section Detail
C803 4	Riprap at End Section Detail

NOTE: SEE NOTE 22 ON SHEET 5 OF 13 FOR UNDERDRAIN PIPES AT SWALE INLETS.



## STORM SEWER PLAN



**CERTIFICATION FOR "RECORD DRAWING"**

ENTERED BY: SLM

ENTERED DATE: 2-01-10

THE SCHNEIDER CORPORATION  
 HISTORIC FORT HARRISON  
 8901 OTIS AVENUE  
 INDIANAPOLIS, INDIANA 46216  
 (317) 826-7100 FAX: (317) 826-7300

NOTE: Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentages represents a calculated figure and is for general information only.

DATE: 02/05/16

## AS-BUILTS

**LEGEND**

- Existing Grade
- New Grade
- Granular Backfill

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

Architecture  
 Civil Engineering  
 GIS  
 Home Builder Services  
 Interior Design  
 Land Surveying  
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 Transportation Engineering

**ESSEX OF NOBLESVILLE**  
 SECTION 4  
 HAMILTON COUNTY, NOBLESVILLE, INDIANA  
**ARBOR INVESTMENTS, LLC**  
 6626 E. 75th STREET, SUITE 400, INDIANAPOLIS, INDIANA 46250

DATE: 06/02/2014 PROJECT NO.: 5575.400  
 DRAWN BY: CHECKED BY:  
 SHEET TITLE: STORM SEWER PLAN AND PROFILES  
 SHEET NO.: C602

Plot Date: Mar 04, 2016 Plot Time: 11:14am File Name: T:\S\A\5575\600\Drawings\Record Drawings\C601-C603.dwg, Layout: C602 By: mag



**GENERAL NOTES**

1. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
2. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
4. CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.
5. REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE CROSSES PROPOSED HOUSE PADS OR RIGHT-OF-WAYS. ALL FIELD TILES INTERCEPTED TO BE PERPETUATED INTO THE STORM SEWER SYSTEM OR LAKE. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.
6. ALL STORM PIPE FOR THE RECONSTRUCTION OF THE A.J. BROCK DRAIN TO FOLLOW HAMILTON COUNTY SURVEYOR'S OFFICE STANDARD DETAIL DRAWINGS, LATEST EDITION.

REVISIONS:  
1. 07/05/14, CHA: ADDED GENERAL NOTE #6 AND LABELED A.J. BROCK DRAIN AND DETAILS ON DRAWING TO AN ANNUAL GUARD ON END SECTION PIPE PER IASD 117.

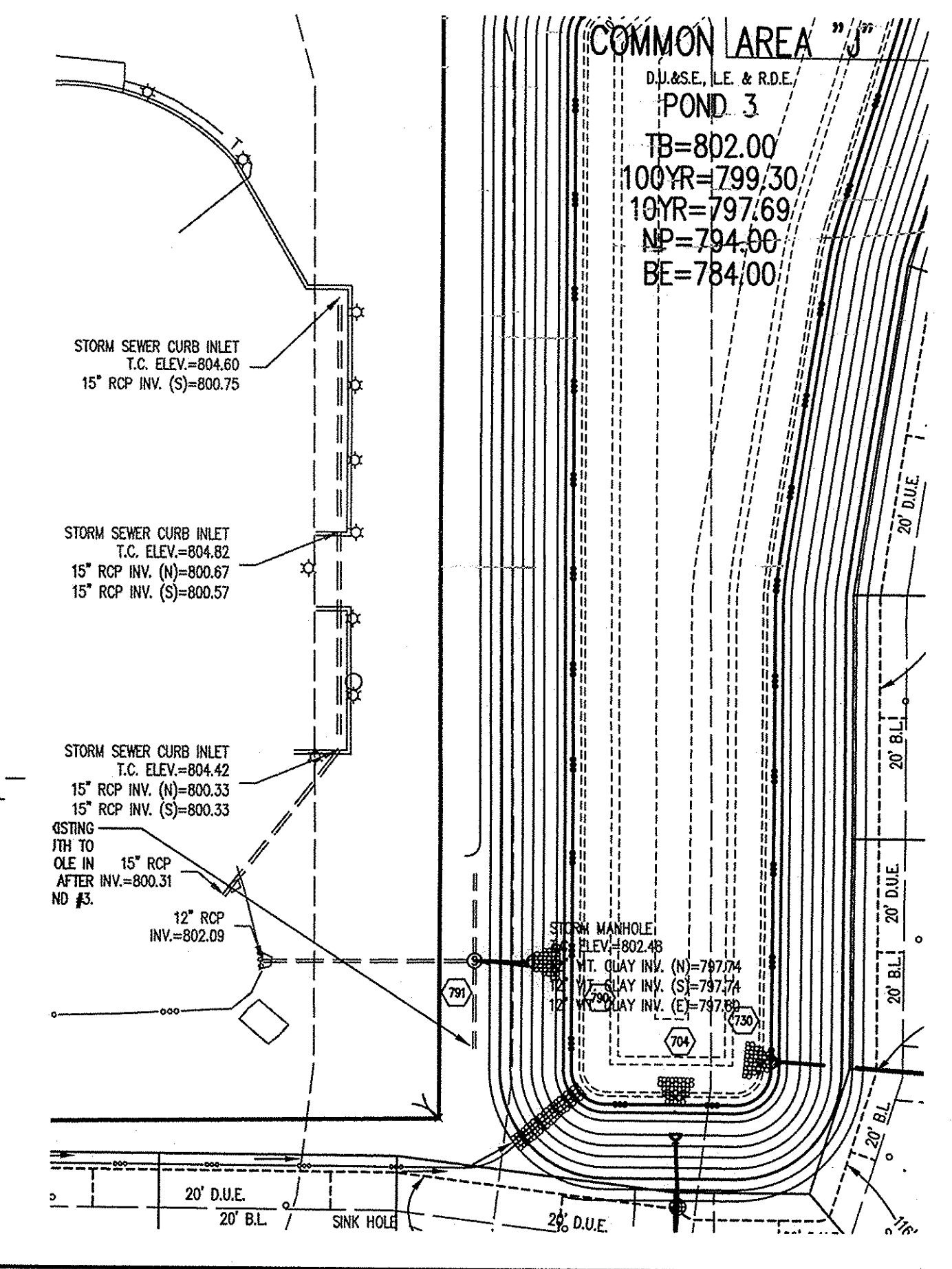
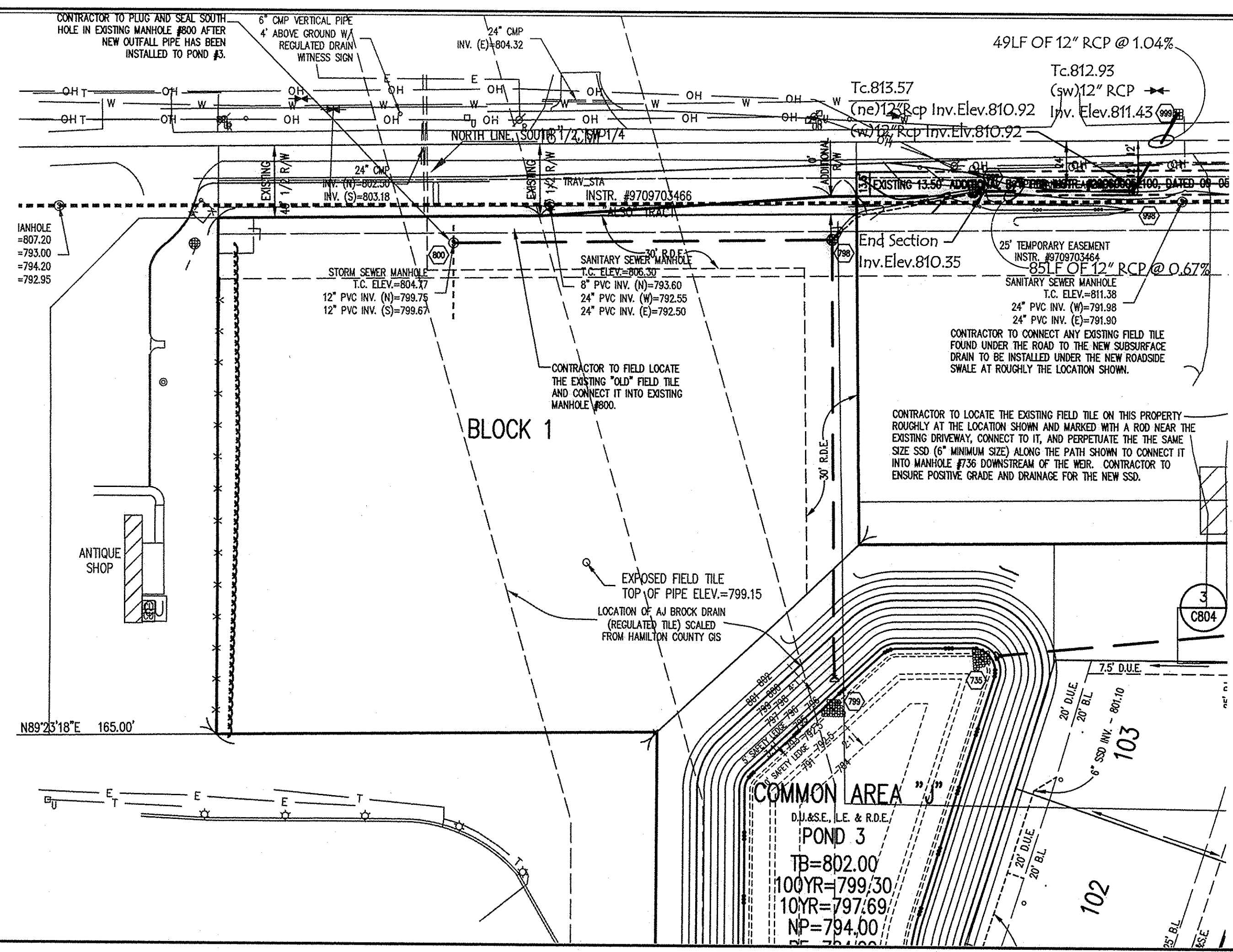
DATE: 07/01/15  
THIS DRAWING AND THE IDEAS, DESIGNS AND CONCEPTS CONTAINED HEREIN ARE THE EXCLUSIVE INTELLECTUAL PROPERTY OF THE SCHNEIDER CORPORATION, AND ARE NOT TO BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF THE SCHNEIDER CORPORATION.  
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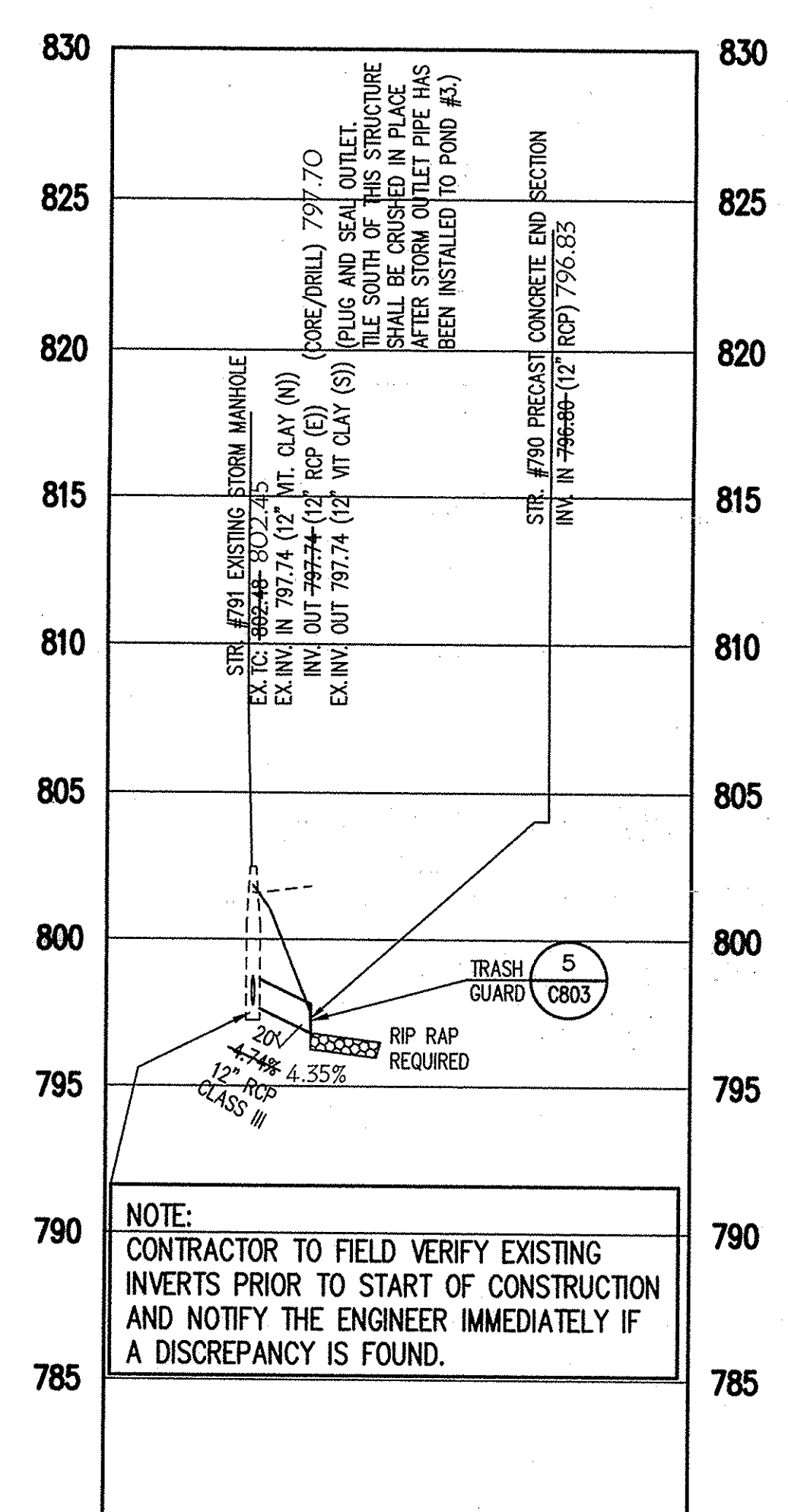
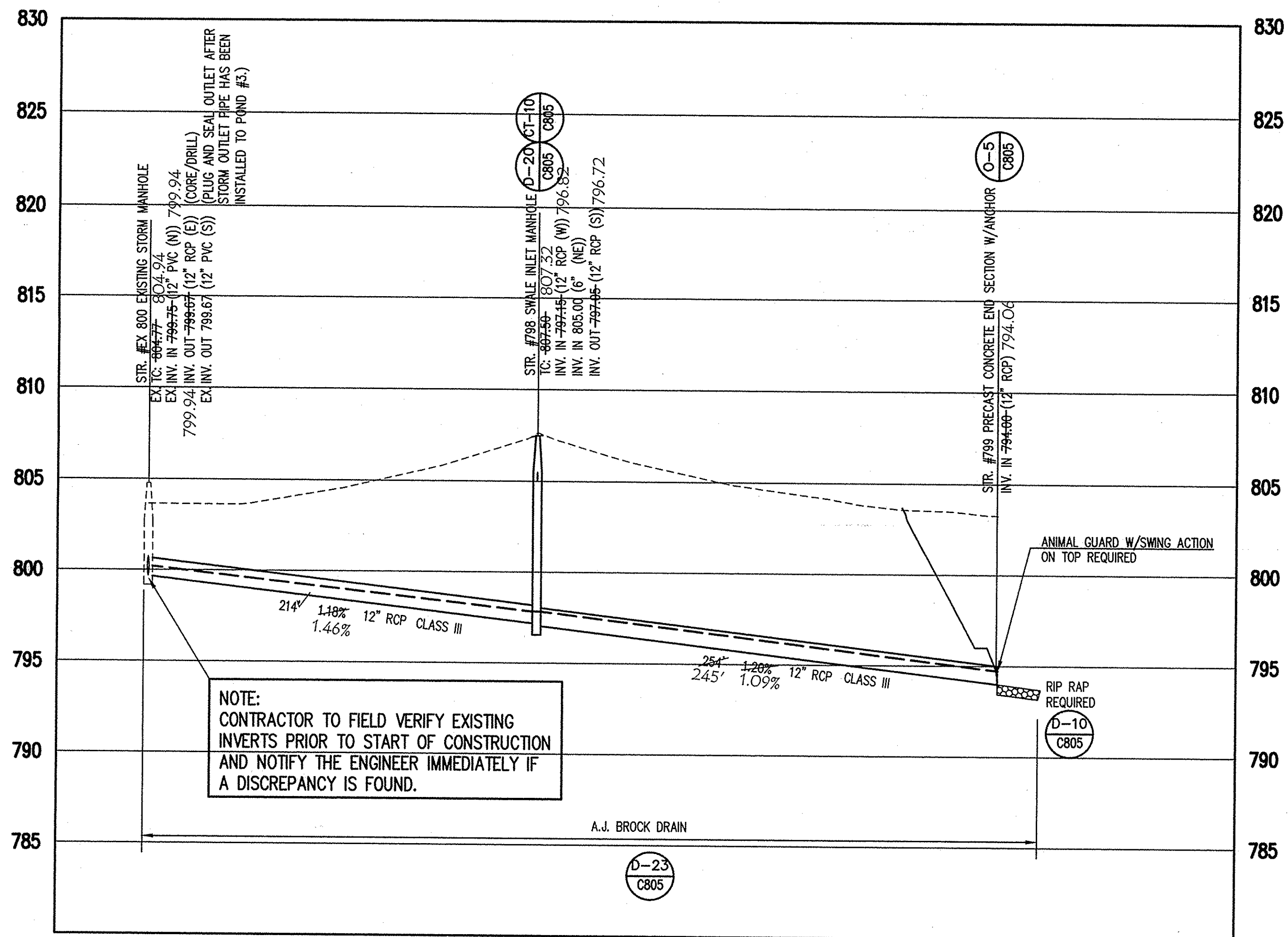
**ESSEX OF NOBLESVILLE**  
SECTION 4  
HAMILTON COUNTY, NOBLESVILLE, INDIANA  
ARBOR INVESTMENTS, LLC  
6626 E. 76th STREET, SUITE 400, INDIANAPOLIS, INDIANA 46250

DATE: 06/02/2014 PROJECT NO.: 5575.400  
DRAWN BY: CHECKED BY:  
SHEET TITLE: STORM SEWER PLAN AND PROFILES  
DRAWING FILES:  
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SHEET NO.:  
**C603**

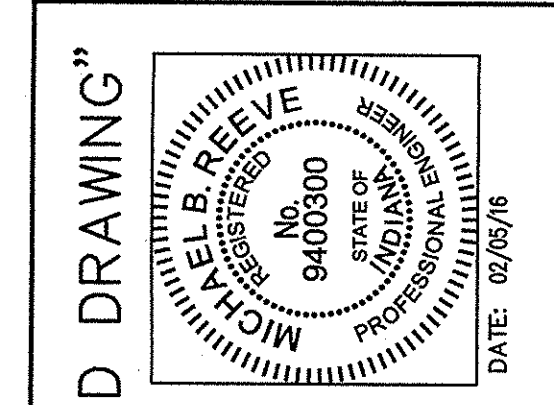


**STORM SEWER PLAN**

SCALE: 1"=50'



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: 2018  
Entered By: SLM



**CERTIFICATION FOR "RECORD DRAWING"**  
CERTIFIED BY: [Signature]  
THE SCHNEIDER CORPORATION  
8901 OTIS AVENUE  
INDIANAPOLIS, INDIANA 46216  
(317) 826-7100 FAX (317) 826-7300  
NOTE: Remaining certification only for top of existing invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.  
DATE: 02/05/16

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

**AS-BUILTS**

Plot Date: Mar 04, 2016 Plot Time: 11:09am File Name: T:\5K\5575\400\Drawings\Record drawings\C601-C603.dwg Layout: C603 By: mag