

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 188

One Hamilton County Square

Noblesville, Indiana 46060-2230

February 4, 2005

To: Hamilton County Drainage Board

Re: Stultz and Almond Drain – Heather Knoll Section 1 Arm

Attached is a petition filed by Platinum Properties, LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Heather Knoll Section 1 Arm, Stultz and Almond Drain to be located in Clay Township. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable, will improve the public health, benefit a public highway and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

6" SSD	6,535 ft	18" RCP	33 ft	36" RCP	210 ft
12" RCP	1,551 ft	21" RCP	138 ft		
15" RCP	553 ft	33" RCP	245 ft		

The total length of the drain will be 9,265 feet.

The retention pond (lake) located in Common Area #2 is to be considered part of the regulated drain. The maintenance of the pond (lake), such as mowing and aquatic growth control, shall be the responsibility of the Homeowners Association. The Board will maintain the inlet and outlet of the pond and retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to e part of the regulated drain are those located under the curbs and those main lines between lots or in rear yards. Only the main SSD lines which are located within the easement (right of way) are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$10.00 per acre for common areas and platted lots, \$10.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$1,712.30.

The petitioner has submitted surety for the proposed drain at this time. Surety shall be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties, which are in the form of a Performance Bond/Letter of Credit, are as follows:

Agent: Lexon Insurance Company
Date: May 18, 2004
Number: 1007722
For: Storm Sewer, SSD, Erosion Control and Monumentation
Amount: \$190,800.00

Parcels assess for this drain may be assessed for the Osborne and Collins or Williams Creek Drains at sometime in the future.

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

This section of Heather Knoll will also involve the reconstruction of the existing Stultz and Almond Drain both on-site and off-site. Hearing for this work will be separate of this hearing.

I recommend that upon approval of the above proposed drain 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 plat for Heather Knoll Section 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for March 28, 2005.

Sincerely,



Kenton C. Ward
Hamilton County Surveyor

KCW/llm

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

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

In the matter of HEATHER KNOWL Subdivision,
Section ONE Drain Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in HEATHER KNOWL, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

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

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

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


The Petitioner also agrees to the following:


1. To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineer's estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.
3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All

changes shall be documented and given to the Surveyor to be placed in the Drain file.

4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioners cost as per IC 36-9-27-46.

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


Signed _____


Printed Name _____

Signed

Printed Name
RECORDED OWNER(S) OF LAND INVOLVED

Date _____



CONSULTING ENGINEERS • LAND SURVEYORS

David J. Stoepfelwerth, P.E., P.L.S.
President, C.E.O.

Curtis C. Huff, P.L.S.
Vice-President, C.O.O.

R.M. Stoepfelwerth, P.E., P.L.S.
President Emeritus

May 17, 2004

Hamilton County Surveyor
One Hamilton County Square
Suite 188
Noblesville, Indiana 46060

Attention: Kent Ward

Re: Heather Knoll, Section 1

Dear Mr. Ward:

On behalf of the developer, Platinum Properties, L.L.C., I wish to submit the following Engineer's Estimates for Heather Knoll, Sections 1. The estimate is as follows:

Heather Knoll - Section 1
Based on: Stoepfelwerth & Associates plans

Section 1	
80' Lots =	43
Total Acres =	22.456
Density =	1.91
LF of St. =	3,549
LF of Curb =	7,045
Quantities	Cost

revisions

Cost Estimate - Engineering & hard costs
Revised:
By:
Proforma

Codes	Item	Unit	Unit Cost	Quantities	Cost
4	Construction Staking and Testing				
b	Soil Testing	LOT	\$ 50.00	43.00	\$ 2,200
c	Construction Staking	LOT	\$ 430.00	43.00	\$ 18,500
d	As Builts	LOT	\$ 150.00	43.00	\$ 6,500
e	Monumentation	LOT	\$ 50.00	43.00	\$ 2,200
	Total				\$ 29,400
14	Sanitary Sewer				
e	Plan Review & Inspection Fees	LOT Dev.	\$ 265.00	43	\$ 11,400
6	a Availability Fees	Acres	\$ 3,400.00	22.456	\$ 76,400

Sanitary Sewers - On-site					
b₁	On-site Mains, MH's & Backfill by average	LOT	\$ 2,050.00	43.00	\$ 88,200
	Mains 0' - 8' Deep	LF	\$ 18.00	515	\$ 9,300
	Mains 8' - 10' Deep	LF	\$ 20.00	180	\$ 3,600
	Mains 10' - 12' Deep	LF	\$ 22.00	685	\$ 15,100
	Mains 12' - 14' Deep	LF	\$ 26.00	500	\$ 13,000
	Mains 14' - 16' Deep	LF	\$ 29.00	955	\$ 27,700
	Mains 16' - 18' Deep	LF	\$ 31.00	0	\$ -
	Mains 18' - 20' Deep	LF	\$ 33.50	370	\$ 12,400
	Mains 20' - 25' Deep	LF	\$ 44.00	0	\$ -
	Mains 25' - 30' Deep	LF	\$ 55.00	0	\$ -
b₂	On-site mains by depth total				\$ 81,100
b₃	On-site Manholes by average	EA	\$ 2,400.00	13	\$ 31,200
	MH's 0' - 8' Deep	EA	\$ 2,000.00	3	\$ 6,000
	MH's 8' - 10' Deep	EA	\$ 2,200.00	1	\$ 2,200
	MH's 10' - 12' Deep	EA	\$ 2,200.00	2	\$ 4,400
	MH's 12' - 14' Deep	EA	\$ 2,400.00	4	\$ 9,600
	MH's 14' - 16' Deep	EA	\$ 2,400.00	2	\$ 4,800
	MH's 16' - 18' Deep	EA	\$ 2,600.00	0	\$ -
	MH's 18' - 20' Deep	EA	\$ 2,600.00	1	\$ 2,600
	MH's 20' - 25' Deep	EA	\$ 4,250.00	0	\$ -
	MH's 25' - 30' Deep	EA	\$ 4,350.00	0	\$ -
b₄	On-site manholes by depth total				\$ 29,600
b₅	On-site special drop manholes	EA	\$ 1,000.00	1	\$ 1,000
b₆	On-site san. sewer granular backfill	TON	\$ 7.00	1431.94	\$ 10,000
6	b Total Sanitary Sewers - On-site (Choose b1 or best combo of b2 - b6)				\$ 121,700
6	c Sanitary Sewer Laterals	LOT	\$ 950.00	43.00	\$ 40,900
	Sanitary Sewers - Off-site (delete rows if not needed for estimate)				
d₁	Off-site Mains, MH's & Backfill by average	LF	\$ 40.00	440.00	\$ 17,600

	Mains 0' - 8' Deep	LF	\$ 18.00	0	\$ -
	Mains 8' - 10' Deep	LF	\$ 20.00	0	\$ -
	Mains 10' - 12' Deep	LF	\$ 22.00	0	\$ -
	Mains 12' - 14' Deep	LF	\$ 26.00	0	\$ -
	Mains 14' - 16' Deep	LF	\$ 29.00	0	\$ -
	Mains 16' - 18' Deep	LF	\$ 31.00	0	\$ -
	Mains 18' - 20' Deep	LF	\$ 33.50	0	\$ -
	Mains 20' - 25' Deep	LF	\$ 44.00	440	\$ 19,400
	Mains 25' - 30' Deep	LF	\$ 55.00	0	\$ -
d₂	Off-site mains by depth total				\$ 19,400
d₃	Off-site Manholes by average	EA	\$ 2,400.00	1	\$ 2,400
	MH's 0' - 8' Deep	EA	\$ 2,000.00	0	\$ -
	MH's 8' - 10' Deep	EA	\$ 2,200.00	0	\$ -
	MH's 10' - 12' Deep	EA	\$ 2,200.00	0	\$ -
	MH's 12' - 14' Deep	EA	\$ 2,400.00	0	\$ -
	MH's 14' - 16' Deep	EA	\$ 2,400.00	0	\$ -
	MH's 16' - 18' Deep	EA	\$ 2,600.00	0	\$ -
	MH's 18' - 20' Deep	EA	\$ 2,600.00	0	\$ -
	MH's 20' - 25' Deep	EA	\$ 4,250.00	1	\$ 4,300
	MH's 25' - 30' Deep	EA	\$ 4,350.00	0	\$ -
d₄	Off-site manholes by depth total				\$ 4,300
d₅	Off-site Addition for drop manholes	EA	\$ -		\$ -
d₆	Off-site san. sewer granular backfill	TON	\$ 7.00	330.45	\$ 2,300
6	d Total Sanitary Sewers - Off-site (Choose d1 or best combo of d2 - d6)				\$ 26,000
6	e Lift Station and Force main	??	\$ -		\$ -
	Total				\$ 276,400
7	Storm Sewers				
	Storm Sewers - On-site				
a₁	On-site Mains, Structures & Backfill by average	LOT	\$ 2,200.00	43.00	\$ 94,600
	12" Pipe	LF	\$ 16.50	306	\$ 5,000

	12" End Section	EA	\$ 750.00	0	\$ -
	12" Trash Guard	EA	\$ 125.00	0	\$ -
	15" Pipe	LF	\$ 18.50	1185	\$ 21,900
	15" End Section	EA	\$ 800.00	3	\$ 2,400
	15" Trash Guard	EA	\$ 170.00	1	\$ 200
	18" Pipe	LF	\$ 21.00	480	\$ 10,100
	18" End Section	EA	\$ 850.00	0	\$ -
	18" Trash Guard	EA	\$ 175.00	0	\$ -
	21" Pipe	LF	\$ 23.00	181	\$ 4,200
	21" End Section	EA	\$ 900.00	0	\$ -
	21" Trash Guard	EA	\$ 200.00	0	\$ -
	24" Pipe	LF	\$ 27.00	300	\$ 8,100
	24" End Section	EA	\$ 950.00	0	\$ -
	24" Trash Guard	EA	\$ 250.00	0	\$ -
	27" Pipe	LF	\$ 31.50	80	\$ 2,500
	27" End Section	EA	\$ 1,050.00	0	\$ -
	27" Trash Guard	EA	\$ 300.00	0	\$ -
	30" Pipe	LF	\$ 36.00	335	\$ 12,100
	30" End Section	EA	\$ 1,150.00	0	\$ -
	30" Trash Guard	EA	\$ 350.00	0	\$ -
	33" Pipe	LF	\$ 40.00	50	\$ 2,000
	33" End Section	EA	\$ 1,350.00	0	\$ -
	33" Trash Guard	EA	\$ 350.00	0	\$ -
	36" Pipe	LF	\$ 43.50	180	\$ 7,800
	36" End Section	EA	\$ 1,500.00	0	\$ -
	36" Trash Guard	EA	\$ 350.00	0	\$ -
	42" Pipe	LF	\$ 51.50	95	\$ 4,900
	42" End Section	EA	\$ 1,800.00	1	\$ 1,800
	42" Trash Guard	EA	\$ 350.00	0	\$ -
	48" Pipe	LF	\$ 60.00	0	\$ -
	48" End Section	EA	\$ 2,100.00	0	\$ -
	48" Trash Guard	EA	\$ 350.00	0	\$ -
	Standard Storm Manholes	EA	\$ 1,450.00	11	\$ 16,000
	Large Storm Manholes	EA	\$ 2,250.00	1	\$ 2,300
	Storm Inlets	EA	\$ 1,275.00	18	\$ 23,000
	Granular Backfill	TON	\$ 7.00	430.00	\$ 3,000
	On-site Mains, Structures & Backfill by				
a₂	item total				\$ 127,300
7	a Total Storm Sewers - On-site (Choose best of a1 or a2)				\$ 127,300

Subsurface Drains					
b₁	Subsurface Drains by average	LOT	\$ 450.00	43.00	\$ 19,400
	SSD - under curb	LF	\$ 4.00	7,045	\$ 28,200
	SSD - in swales	LF	\$ 6.00		\$ -
	SSD - sump laterals	EA	\$ 50.00	43	\$ 2,200
b₂	Subsurface Drains by item total				\$ 30,400
7	b Total Subsurface Drains (choose best of b1 or b2)				\$ 30,400
	Storm Sewers - Offsite (To complete lake system to control offsite water)				
c₁	Off-site Mains, Structures & Backfill by average	LF	\$ 40.50	3,180.00	\$ 128,800
	12" Pipe	LF	\$ 16.50	0	\$ -
	12" End Section	EA	\$ 750.00	0	\$ -
	12" Trash Guard	EA	\$ 125.00	0	\$ -
	15" Pipe	LF	\$ 18.50	2000	\$ 37,000
	15" End Section	EA	\$ 800.00	0	\$ -
	15" Trash Guard	EA	\$ 170.00	0	\$ -
	18" Pipe	LF	\$ 21.00	0	\$ -
	18" End Section	EA	\$ 850.00	0	\$ -
	18" Trash Guard	EA	\$ 175.00	0	\$ -
	21" Pipe	LF	\$ 23.00	0	\$ -
	21" End Section	EA	\$ 900.00	0	\$ -
	21" Trash Guard	EA	\$ 200.00	0	\$ -
	24" Pipe	LF	\$ 27.00	0	\$ -
	24" End Section	EA	\$ 950.00	0	\$ -
	24" Trash Guard	EA	\$ 250.00	0	\$ -
	27" Pipe	LF	\$ 31.50	1180	\$ 37,200
	27" End Section	EA	\$ 1,050.00	0	\$ -
	27" Trash Guard	EA	\$ 300.00	0	\$ -
	30" Pipe	LF	\$ 36.00	0	\$ -
	30" End Section	EA	\$ 1,150.00	0	\$ -
	30" Trash Guard	EA	\$ 350.00	0	\$ -
	33" Pipe	LF	\$ 40.00	0	\$ -
	33" End Section	EA	\$ 1,350.00	0	\$ -
	33" Trash Guard	EA	\$ 350.00	0	\$ -
	36" Pipe	LF	\$ 43.50	0	\$ -

	36" End Section	EA	\$ 1,500.00	0	\$ -
	36" Trash Guard	EA	\$ 350.00	0	\$ -
	42" Pipe	LF	\$ 51.50	0	\$ -
	42" End Section	EA	\$ 1,800.00	0	\$ -
	42" Trash Guard	EA	\$ 350.00	0	\$ -
	48" Pipe	LF	\$ 60.00	0	\$ -
	48" End Section	EA	\$ 2,100.00	0	\$ -
	48" Trash Guard	EA	\$ 350.00	0	\$ -
	Standard Storm Manholes	EA	\$ 1,450.00	8	\$ 11,600
	Large Storm Manholes	EA	\$ 2,250.00	0	\$ -
	Storm Inlets	EA	\$ 1,275.00	0	\$ -
	Granular Backfill	TON	\$ 7.00	155.56	\$ 1,100
	Off-site Mains, Structures & Backfill by				
	c ₂ item total				\$ 86,900
7	c Total Storm Sewers - Off-site (Choose best of c1 or c2)				\$ 86,900
	Total				\$ 244,600
8	Water Mains				
	a Availability Fees	LF	\$ 5.50	3,480	\$ 19,100
	a Inspection Fees	N/A	\$ -		\$ -
	Water Mains - On-site				
	On-site Mains, & Appurtenances by				
	b ₁ average	LOT	\$ 1,625.00	43.00	\$ 69,900
	3" Main	LF	\$ 11.75		\$ -
	3" Gate Valve	EA	\$ 800.00		\$ -
	3" Blow Off Valve	EA	\$ 700.00		\$ -
	6" Main	LF	\$ 15.00	3,480	\$ 52,200
	6" Gate Valve	EA	\$ 850.00	9	\$ 7,700
	6" Blow Off Valve	EA	\$ 750.00	3	\$ 2,300
	8" Main	LF	\$ 17.50		\$ -
	8" Gate Valve	EA	\$ 1,000.00		\$ -
	8" Blow Off Valve	EA	\$ 800.00		\$ -
	12" Main	LF	\$ 22.00		\$ -
	12" Gate Valve	EA	\$ 1,500.00		\$ -
	12" Blow Off Valve	EA	\$ 1,200.00		\$ -
	Fire Hydrants	EA	\$ 2,600.00	6	\$ 15,600
	Sand Backfill	TON	\$ 7.00	157	\$ 1,100
	On-site Mains, & Appurtenances by item				
	b ₂ total				\$ 78,900

	b₃	Water Service Lines	LOT	\$ 360.00	43	\$	15,500
8	b	Total Water Mains - On-site (Choose b1 or b2 plus b3)				\$	94,400
		Total				\$	113,500
9		Site Concrete					
	a₁	Curbs Rollcurb, Chairback and Ramps by average	LOT	\$ 685.00	43.00	\$	29,500
	a₂	Rollcurb and Gutter	LF	\$ 6.00	6,045	\$	36,300
	a₃	Chairback Curb	LF	\$ 7.85	1000	\$	7,900
	a₄	Wheel Chair Ramps	EA	\$ 25.00	18	\$	500
9	a	Total Curbs (Choose a1 or a2 + a3 + a4)				\$	44,700
9	b	C.A. Sidewalk	SF	\$ 2.75	9,450.00	\$	26,000
		Total				\$	70,700
10		Roadway Paving (1"-3"-9" section - 30' b-b)					
		Road and Street Paving					
	a₁	Road and Street Paving - Binder & Stone	sys	\$ 5.00	10,129.33	\$	50,600
	a₂	Lime Credit (Where available)	TON	\$ 9.00		\$	-
	a₃	Stone Base (9" if unit is SYS or LOT)	TON	\$ 9.50	5,892.70	\$	56,000
10	a	Total Road and Street Paving (Sum of a1 and a2)				\$	106,600
	b	Tac, Clean and Surface Coat	sys	\$ 2.50	10,129.33	\$	25,300
	c	DOT Entries - Accel/Decel Lanes	sys	\$ 23.00	506.67	\$	11,700
	d	Special Paving - Offsite Improvements	LF			\$	-
12	s	Walking Trails (Path in CA)	sys	\$ 9.50	461.00	\$	4,400
12	s	Walking Trails (Path in RW)	sys	\$ 11.50	522.00	\$	6,000
		Total				\$	154,000
11		Erosion Control					
	b	Seeding and Grading	LOT	\$ 310.000	43.00	\$	13,300

11	d ₁	Temp. seeding and Grading	LOT	\$ 110.000	43.00	\$ 4,700	
	d ₂	Pad seeding and grading	LOT	\$ 60.000	43.00	\$ 2,600	
	d	Total Temp. Seeding & Grading (Sum of d1 &d2)				\$ 7,300	
	e	Erosion control blankets	LOT	\$ 200.000	43.00	\$ 8,600	
	f	Silt Fence	LOT	\$ 25.000	43.00	\$ 1,100	
	g	Yard Inlet Protection	LOT	\$ 5.000	43.00	\$ 200	
	h	Curb Inlet Protection	LOT	\$ 10.000	43.00	\$ 400	
	Total					\$ 30,900	
	Grand Total						\$ 919,500
	Lots						43
	Cost per Lot						\$ 21,384

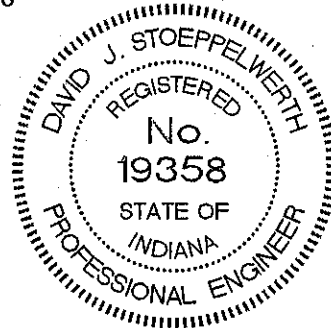
If you have any questions regarding these estimates, please contact Edward E. Fleming at (317) 849-5935.

Very truly yours,

STOEPPELWERTH & ASSOCIATES, INC.



David J. Stoepfelwerth, P.E., P.L.S.
 No. 19358



S/47175S1/Agency



HCDB-2004-00046

SUBDIVISION BOND

Bond No.: 1007722

Principal Amount: \$190,800.00

KNOW ALL MEN BY THESE PRESENTS, that we
Platinum Properties, L.L.C.

9551 Delegates Row, Indianapolis, IN 46240

as Principal, and
Lexon Insurance Company

1919 S. Highland Avenue, Bldg. A, Ste. 300, Lombard, IL 60148 a TX

Corporation, as Surety, are held and firmly bound unto

Hamilton County Board of Commissioners,

One Hamilton Square, Noblesville, IN 46060

as Obligee, in the penal sum of

One Hundred Ninety Thousand Eight Hundred Dollars and 00/100

(Dollars) (\$ 190,800.00), lawful money of the
United States of America, for the payment of which well and truly to be made, we bind ourselves,
our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these
presents.

WHEREAS, Platinum Properties, L.L.C. has agreed to construct in
Heather Knoll, Sec. 1 Subdivision, in Hamilton County, IN the following
improvements:

Storm Sewer, Monuments & Markers, SSD & Erosion Control at Heather Knoll, Sec. 1

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said
Principal shall construct, or have constructed, the improvements herein described, and shall save the
Obligee harmless from any loss, cost or damage by reason of its failure to complete said work, then
this obligation shall be null and void, otherwise to remain in full force and effect, and the Surety,
upon receipt of a resolution of the Obligee indicating that the improvements have not been installed
or completed, will complete the improvements or pay to the Obligee such amount up to the
Principal amount of this bond which will allow the Obligee to complete the improvements.

Upon approval by the Obligee, this instrument may be proportionately reduced as the public
improvements are completed.

Signed, sealed and dated, this 18th day of May, 2004

Platinum Properties, L.L.C.

Principal

By: *[Signature]*

Lexon Insurance Company

Surety

By: *[Signature]*
Dawn L. Morgan Attorney-in-Fact



State of Illinois }
 } ss.
County of Cook }

On May 18, 2004, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Dawn L. Morgan known to me to be Attorney-in-Fact of Lexon Insurance Company the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires 6/10/2006

Christine Woods, Notary Public



POWER OF ATTORNEY

LX - 010328



Lexon Insurance Company

KNOW ALL MEN BY THESE PRESENTS, that LEXON INSURANCE COMPANY, a Texas Corporation, with its principal office in Louisville, Kentucky, does hereby constitute and appoint:

Michael J. Scheer, James I. Moore, Christine Woods, Irene Diaz,

Bonnie Kruse, Stephen T. Kazmer, Dawn L. Morgan, Peggy Faust, Kelly A. Jacobs, Elaine Marcus, Jennifer J. McComb, Melissa Kotovsky

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 of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of LEXON INSURANCE COMPANY on the 1st day of July, 2003 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 not to exceed \$2,000,000.00, Two 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 by facsimile on any power of attorney granted, and the signature of the Vice President, 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 of undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, LEXON INSURANCE COMPANY has caused this instrument to be signed by its President, and its Corporate Seal to be affixed this 2nd day of July, 2003.



LEXON INSURANCE COMPANY

BY [Signature] David E. Campbell President

ACKNOWLEDGEMENT

On this 2nd day of July, 2003, before me, personally came David E. Campbell to me known, who being duly sworn, did depose and say that he is the President of LEXON 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.



[Signature] Lydia J. DeJong Notary Public

CERTIFICATE

I, the undersigned, Secretary of LEXON INSURANCE COMPANY, A Texas 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 Lombard, Illinois this 18th Day of May, 20 04



[Signature] Donald D. Buchanan Secretary

**Heather Knoll Sec. 1
GASB 34 Calculation**

Stultz & Almond Drain – Heather Knoll Arm: 9265 ft
Stultz & Almond Drain – Heather Knoll Relocation: 4493 ft

Total Footage = 13,758 ft
Bond Amount = \$188,600.00

Stultz & Almond Drain – Heather Knoll Arm: $.67(\$188,600.00) = \$126,362.00$
Stultz & Almond Drain – Heather Knoll Relocation: $.33(\$188,600.00) = \$62,238$

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF
Stultz and Almond Drain, Heather Knoll Section 1 Arm

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Stultz and Almond Drain, Heather Knoll Section 1 Arm** on **March 28, 2005** at **9:15 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF THE

Stultz and Almond Drain, Heather Knoll Section 1 Arm

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **July 11, 2005** has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

FINDINGS AND ORDER

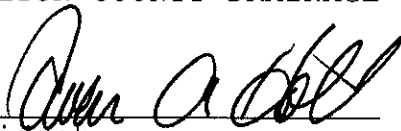
CONCERNING THE MAINTENANCE OF THE

Stultz and Almond Drain, Heather Knoll Section 1 Arm


On this **11th day of July 2005**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Stultz and Almond Drain, Heather Knoll Section 1 Arm**.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

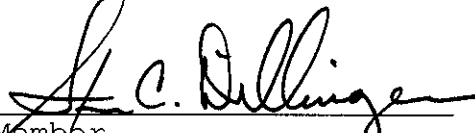
HAMILTON COUNTY DRAINAGE BOARD



President



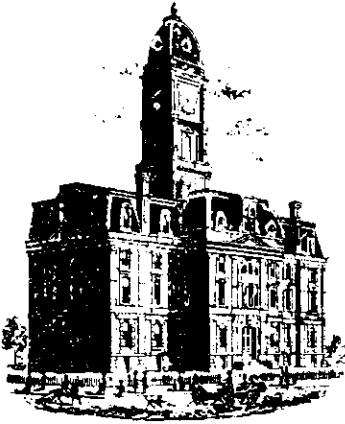
Member



Member

Attest: 

Secretary



SURVEYOR'S OFFICE

Hamilton County

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

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

To: Hamilton County Drainage Board

March 27, 2009

Re: Stultz and Almond Drain – Heather Knoll Section 1

Attached are as-builts, certificate of completion & compliance, and other information for Heather Knoll Section 1. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated February 4, 2005. The report was approved by the Board at the hearing held July 11, 2005. (See Drainage Board Minutes Book 8, Page 355)

The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
115-116	30	12	RCP	909.98	909.54	1.47	
116-117	40	12	RCP	909.54	909.03	1.28	
143-142	29	12	RCP	913.15	912.98	0.59	-33
142-141	152	12	RCP	912.98	912.59	0.26	10
141-140	56	12	RCP	912.59	912.47	0.21	-3
140-129	381	15	RCP	912.47	911.2	0.33	
129-129a	244	33	RCP	911.2	910.45	0.31	-1
129A-122	211	36	RCP	910.45	909.82	0.3	1
137-138	108	12	RCP	914.56	914.01	0.51	
138-139	30	15	RCP	914.01	913.85	0.53	
139-140	140	15	RCP	913.85	912.47	0.99	-2
125-126	30	12	RCP	915.5	915.16	1.13	
126-127	52	12	RCP	915.16	914.66	0.96	-1
127-128	30	12	RCP	914.66	914.29	1.23	
128-129	136	12	RCP	914.29	911.2	2.27	-2
135-136	36	12	RCP	916.09	915.48	1.69	
136-132	369	12	RCP	915.48	912.69	0.76	
132-131	130	12	RCP	912.69	911.76	0.72	
131-130	33	18	RCP	911.76	911.61	0.45	
130-129	139	21	RCP	911.61	911.2	0.29	
112-113	153	12	RCP	913.85	911.15	1	1
113-114	64	12	RCP	909.62	908.98	1	1

SSD - STREETS

Heather Knoll Pkwy	1364
Camden Ln	2970
Framingham Ln	256
St Clair Ln	1679
Total:	6269

RCP Pipe Totals:

12	1415
15	551
18	33
21	139
33	244
36	211
Total:	2593

The length of the drain due to the changes described above is now **8,862 feet**.

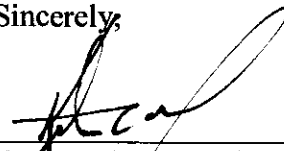
The non-enforcement was approved by the Board at its meeting on July 11, 2005 and recorded under instrument #200500044100.

The following sureties were guaranteed by Lexon Insurance Company and released by the Board on its May 18, 2004 meeting.

Bond-LC No: 1007722
Insured For: Storm Sewers
Amount: \$190,800.00
Issue Date: May 18, 2004

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

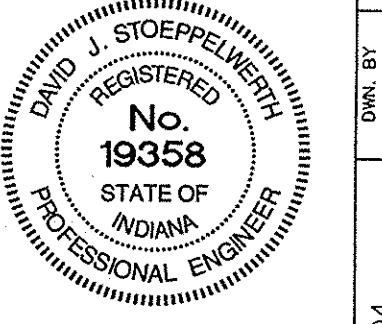
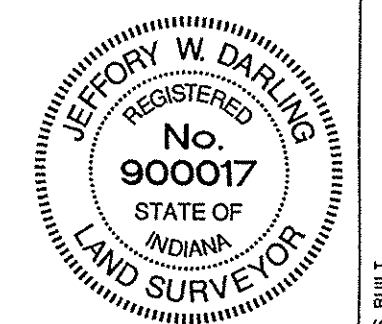


Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

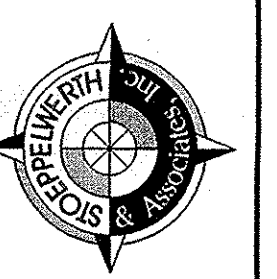
RECORD DRAWING

Jeffrey W. Darling
 Registered Land Surveyor
 No. 900017
 DATE 1/20/05



REV.	DATE	BY	REVISIONS
AS BUILT			
1	1/20/05	DMK	REUSE PER SURVEYOR COMMENTS
2	6/24/04	DMK	REUSE PER SURVEYOR COMMENTS
3	5/2/04	DMK	REUSE PER SURVEYOR COMMENTS
4	9/19/04	DMK	REUSE PER SURVEYOR COMMENTS
5	4/19/04	DMK	REUSE PER SURVEYOR COMMENTS
6	4/19/04	DMK	REUSE PER SURVEYOR COMMENTS

CERTIFIED: 3/5/04
 David J. Stappert
 CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
 FISHERS INDIANA



INDIANA
 SHEET NO.
C200
 JOB NO. 4717551

CONTACT: CARMEL UTILITIES
 (317) 571-2648
 FOR WATER LOCATES

- ### LEGEND
- EXISTING EDGE OF WOODS
 - EXISTING CONTOUR
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - PROPOSED GRADE
 - MATCH EXISTING
 - PROPOSED CONTOUR
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - PROPOSED SWALE
 - PROPOSED 5' SIDEWALK (BY HOME BUILDER)
(DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)
 - LOT NUMBER
 - PAD ELEVATION
PAD SIZE: 60'x60'
(UNLESS OTHERWISE NOTED)
 -

ALL PADS SHALL BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.

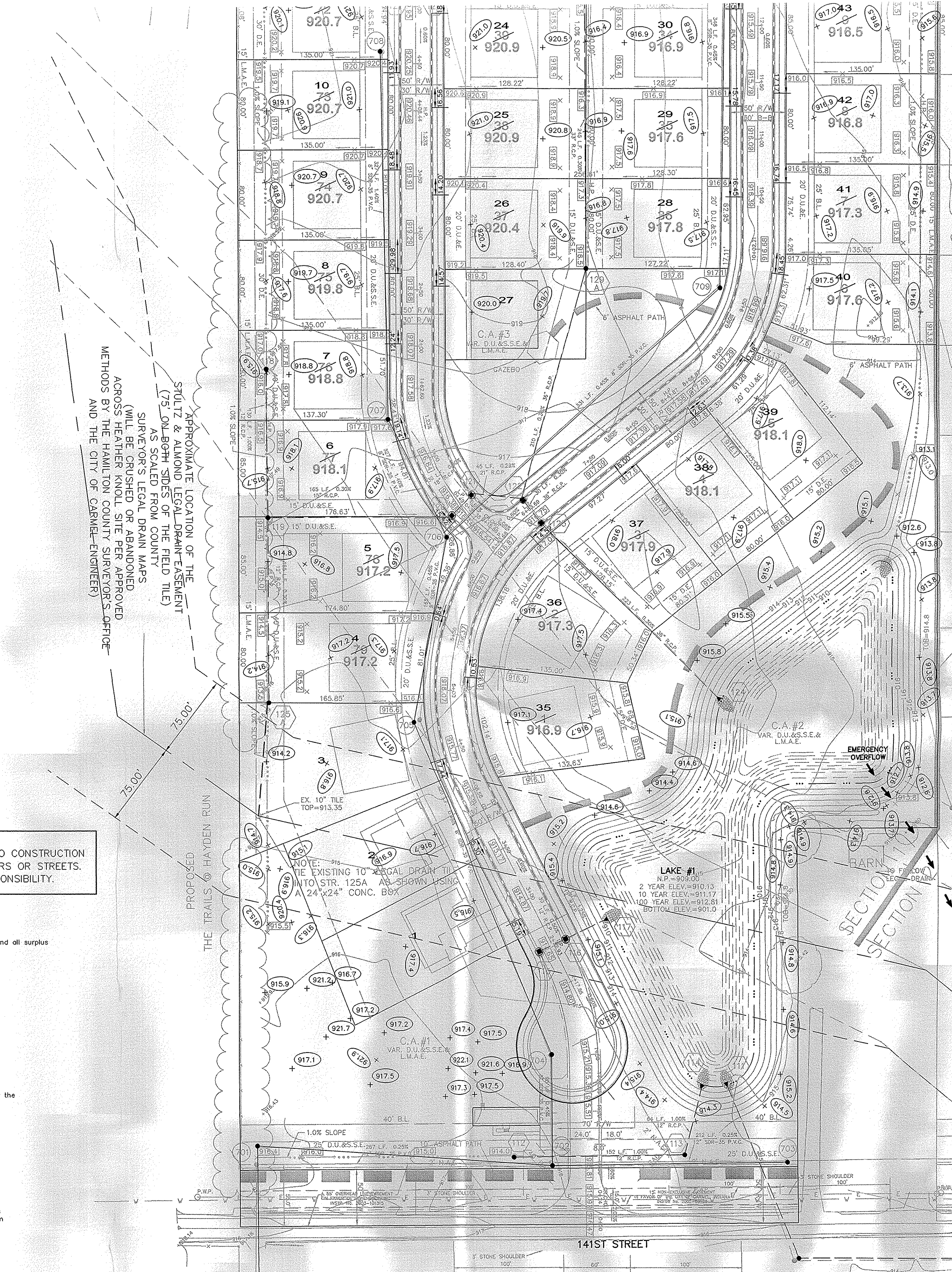
ALL EXISTING OFF-SITE DRAIN TILES THAT ARE ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW

- ### BENCHMARKS
- S&A TBM #1
 1.0'± UP FROM GROUND ON EAST SIDE ELECTRIC POLE. PWP #74-693
 10TH POLE FROM TOWNE ROAD ON S. SIDE OF 146TH STREET.
 ELEV.=919.28

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

- ### EARTHWORK:
- EXCAVATION
 - Excavated material that is suitable (topsoil and/or clay) may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
 - Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
 - REMOVAL OF TREES
 - All trees and stumps shall be removed from areas to be occupied by a road surface or structure area. Trees and stumps shall not be buried on site.
 - PROTECTION OF TREES
 - The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
 - In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect to protective measure to be taken, if any, to preserve such trees.
 - REMOVAL OF TOPSOIL
 - All topsoil shall be removed from all areas beneath future pavements or building. Topsoil removal shall be to a minimum depth of 6 inches or to the depth indicated in the geotechnical report provided by the Developer to be excavated or filled. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
 - UTILITIES
 - Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
 - Contact Carmel Utilities at 571-2648 for location of all water mains.
 - SITE GRADING
 - Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.05 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 - The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

FORM EARTHWRK



AS BUILT

STORM CHART

STR. NO.	TYPE	T.C. / RIM	INVERT	DIRECTION
100	CONCRETE END SECTION		899.61	NW
101	MANHOLE	907.05	899.85	W&SE
102	MANHOLE	910.49	900.68	W&E
103	MANHOLE	910.63	900.91	W&E
104	MANHOLE	911.08	901.93	W&E
105	YARD INLET	908.09	902.47	W&E
105A	YARD INLET	909.29	903.00	W&E
106	MANHOLE	913.48	904.16	W&E
107	MANHOLE	914.74	905.25	W&E
108	MANHOLE	914.97	906.30	W&E
109	YARD INLET	913.15	909.29	W&E
110	MANHOLE	915.16	908.54	NW&E
111	CONCRETE END SECTION		908.95	SE
112	YARD INLET	913.85	911.15	E
113	MANHOLE	914.27	909.62	W&NE
114	CONCRETE END SECTION		908.98	SW
115	CURB INLET w/MH	914.45	909.98	NE
116	CURB INLET w/MH	914.44	909.54	SW&NE
117	CONCRETE END SECTION		909.03	SW
118	YARD INLET	915.88	912.19	S
119	YARD INLET	914.60	910.63	N,S&E
120	CURB INLET w/MH	916.32	910.10	NE&W
121	CURB INLET w/MH	916.28	910.00	SW&E
122	CURB INLET w/MH	916.70	909.82	SE&W
123	CURB INLET w/MH	916.68	909.71	SE&NW
124	CONCRETE END SECTION		908.94	NW
125	CURB INLET	919.08	915.50	S
125A	YARD INLET	913.37	911.07	N
126	CURB INLET	919.10	915.16	N&SE
127	CURB INLET w/MH	919.89	914.66	NW&E
128	CURB INLET w/MH	919.79	914.29	W&E
129	YARD INLET	915.90	911.20	N,S,E&W
130	DOUBLE CURB INLET	915.21	911.61	W&NE
131	DOUBLE CURB INLET	915.21	911.76	N&NE
132	YARD INLET	914.79	912.69	N&W
135	CURB INLET	919.21	916.09	S
136	CURB INLET	919.16	915.48	N&S
137	YARD INLET	917.17	914.56	W
138	CURB INLET	917.85	914.01	W&E
139	CURB INLET	917.82	913.95	W&NE
140	CURB INLET w/MH	919.26	912.47	N,S&W
141	CURB INLET w/MH	919.06	912.59	N&S
142	MANHOLE	918.83	912.98	S
143	CONCRETE END SECTION		913.15	SE

"HOLEY MOLEY" SAYS:
 CAUTION
 LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, & MARKS MADE UPON THE GROUND BY OTHERS.) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

1-800-382-5544
 CALL TOLL FREE
 1-800-428-5200
 FOR CALLS OUTSIDE OF INDIANA

RECORD DRAWING

Jeffery W. Darling
 JEFFERY W. DARLING
 Registered Land Surveyor
 No. 900017
 DATE 1/20/05



LEGEND

- EXISTING EDGE OF WOODS
- EXISTING CONTOUR
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE
- MATCH EXISTING
- PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED SWALE
- PROPOSED 5' SIDEWALK (BY HOME BUILDER)
 (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)
- LOT NUMBER
- PAD ELEVATION
- PAD SIZE: 60'X60'
-

-
-
- ROLL CURB

ALL PADS SHALL BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.

ALL EXISTING OFF-SITE DRAIN TILES THAT ARE ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW

- D.U.&S.E. DRAINAGE, UTILITY & SANITARY SEWER EASEMENT
- D.U.&S.E. DRAINAGE UTILITY & SEWER EASEMENT
- D.&U.E. DRAINAGE & UTILITY EASEMENT
- L.M.A.E. LANDSCAPE, MAINTENANCE ACCESS EASEMENT
- S.L.E. SIGN LANDSCAPE EASEMENT
- D.E. DRAINAGE EASEMENT
- B.S.L. BUILDING SETBACK LINE
- N.R. NON RADIAL
- N.A.E. NON ACCESS EASEMENT
- P.A.E. PUBLIC ACCESS EASEMENT
- T.P.E. TREE PRESERVATION EASEMENT
- R/W RIGHT OF WAY
- C.A. COMMON AREA

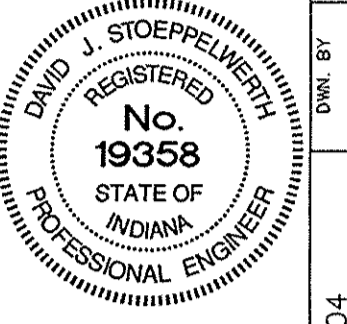
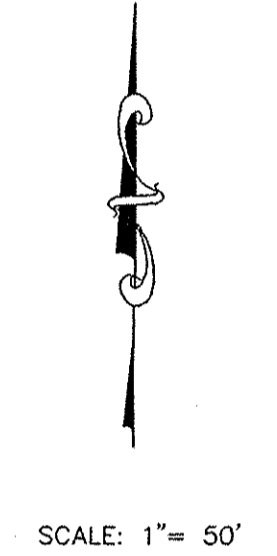
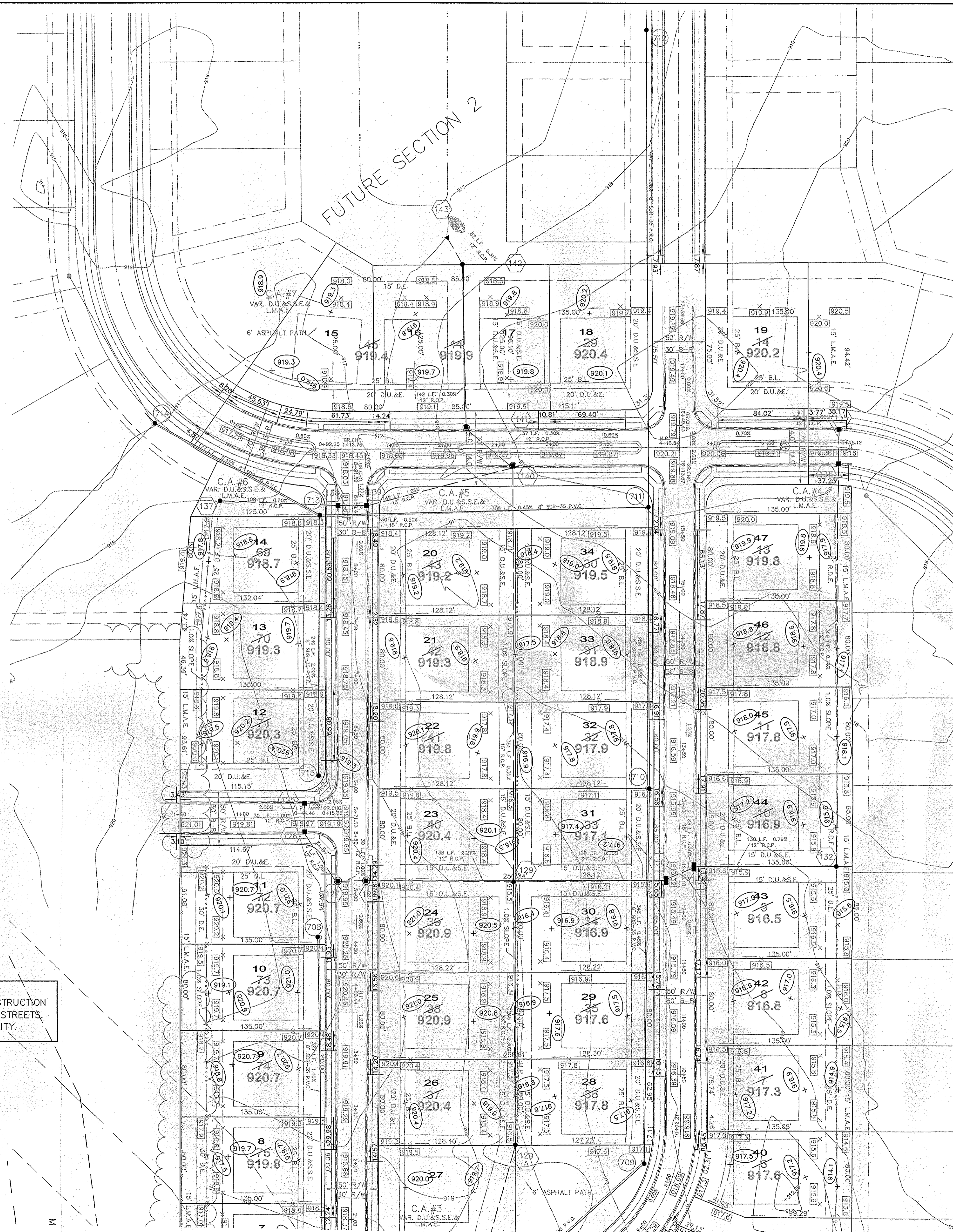
BENCHMARKS

S&A TBM #1

1.0'± UP FROM GROUND ON EAST SIDE ELECTRIC POLE. PWP #74-693
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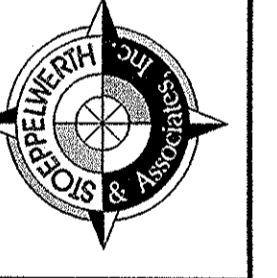
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NOTE TO CONTRACTOR:
 CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.



DATE	BY	MARK	REVISIONS
3/5/04	David J. Stapp		

CERTIFIED: 3/5/04
 CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
 FISHERS INDIANA



SITE DEVELOPMENT PLAN
 HEATHER KNOLL
 SECTION 1
 INDIANA
 CARMEL

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: March 2009
 Entered by: SLM

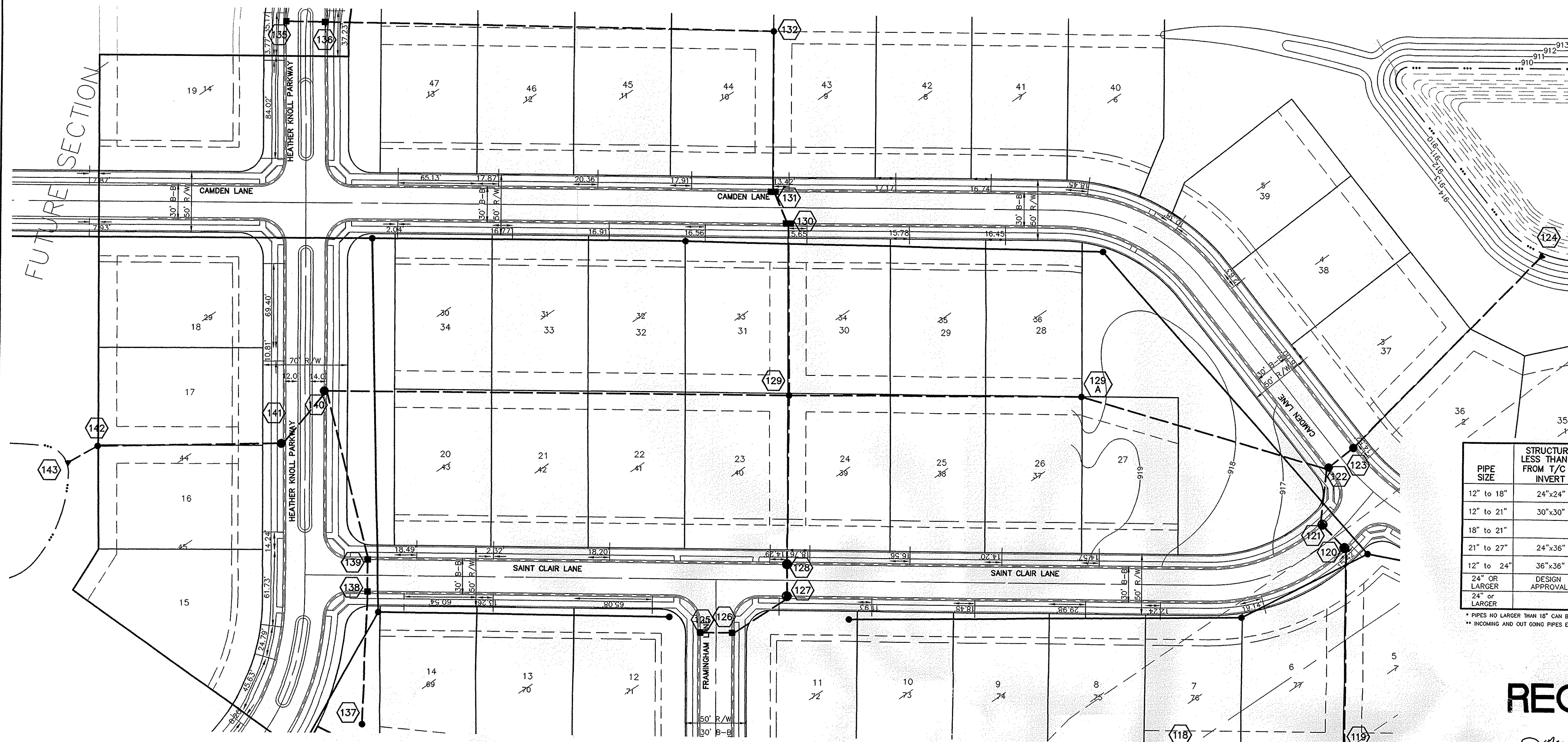
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 CALL TOLL FREE
 1-800-428-5200
 FOR CALLS OUTSIDE OF INDIANA

CAUTION
 LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, & marks made upon the ground by others.) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

CONTACT: CARMEL UTILITIES
 (317) 571-2648
 FOR WATER LOCATES

SHEET NO.
C201
 JOB NO. 4717551

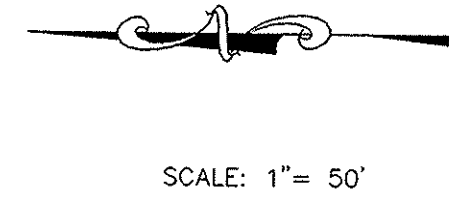


NOTE:
CONSTRUCTION TOLERANCE FOR YARD INLETS
WILL BE +0.0' TO -0.02'

NOTE:
"EXCEPT FOR FORCE MAINS, CONTRACTOR TO
INSTALL CONCRETE CRADLES WHEN THE VERTICAL
SEPARATION (AS MEASURED FROM THE EXTERIOR
OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES
AND STORM SEWERS IS 18" OR LESS."

ALL MANHOLES TO BE CONSTRUCTED WITH ONE
4" RISER HING TO ESTABLISH PLAN CASTING GRADE.
ALL CURB INLET CASTINGS TO BE NEENAH R-3501-N

ALL EXISTING OFF-SITE DRAIN TILES THAT ARE
ENCOUNTERED SHALL BE TIED INTO THE PROPOSED
STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW



CURB INLET TABLE

PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING #R-3501 N	CASTING #3501 TL & TR
12" to 18"	24"x24"		DESIGN APPROVAL	No	Yes	Yes
12" to 21"	30"x30"		DESIGN APPROVAL	No	Yes	Yes
18" to 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" to 27"	24"x36"		DESIGN APPROVAL	No	No	Yes
12" to 24"	36"x36"		DESIGN APPROVAL	No	Yes	Yes
24" OR LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

* PIPES NO LARGER THAN 18" CAN BE USED IN THE 2' SIDE OF THIS BOX
** INCOMING AND OUT GOING PIPES EFFECT STEPS IN THIS STRUCTURE

SPECIAL NOTE:
STRUCTURES DEEPER THAN 48" FROM T/C TO INVERT WILL BE A
MH OF A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.
SPECIAL NOTE:
STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES
SPECIAL NOTE:
COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER
STRUCTURE IS SET, TO IMPROVE ACCESS.

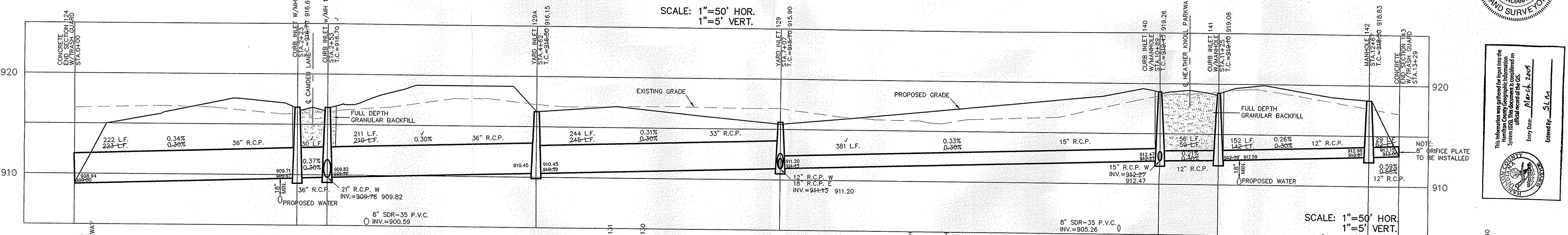
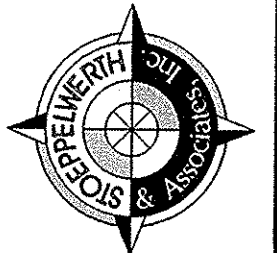
RECORD DRAWING

Jeffery W. Darling
JEFFERY W. DARLING
Registered Land Surveyor
No. 900017

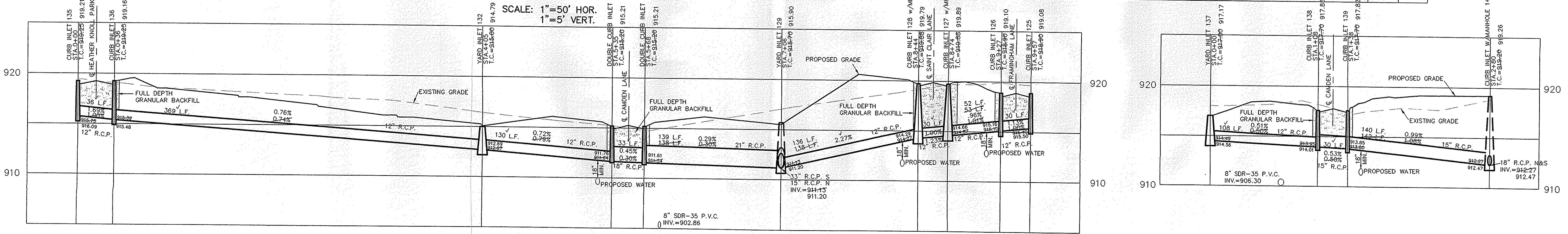
11/30/04
DATE



CERTIFIED: 3/5/04
CONSULTING ENGINEERS - LAND SURVEYORS
(317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
INDIANA
FISHERS



This information was prepared for input into the
System (GIS). This document is considered an
official record of the GIS.
Entry Date: Mar-04-2007
Entered By: SLA
NOTE:
8" BRIFICE PLATE TO
BE INSTALLED



INDIANA
CARMEL
STORM SEWER PLAN & PROFILE
HEATHER KNOLL
SECTION 1

SHEET NO.
C600
JOB NO. 47175S1

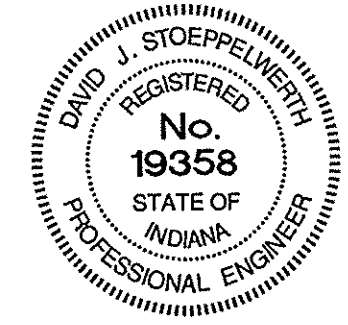
RECORD DRAWING

Jeffery W. Darling
 JEFFERY W. DARLING
 Registered Land Surveyor
 No. 900017

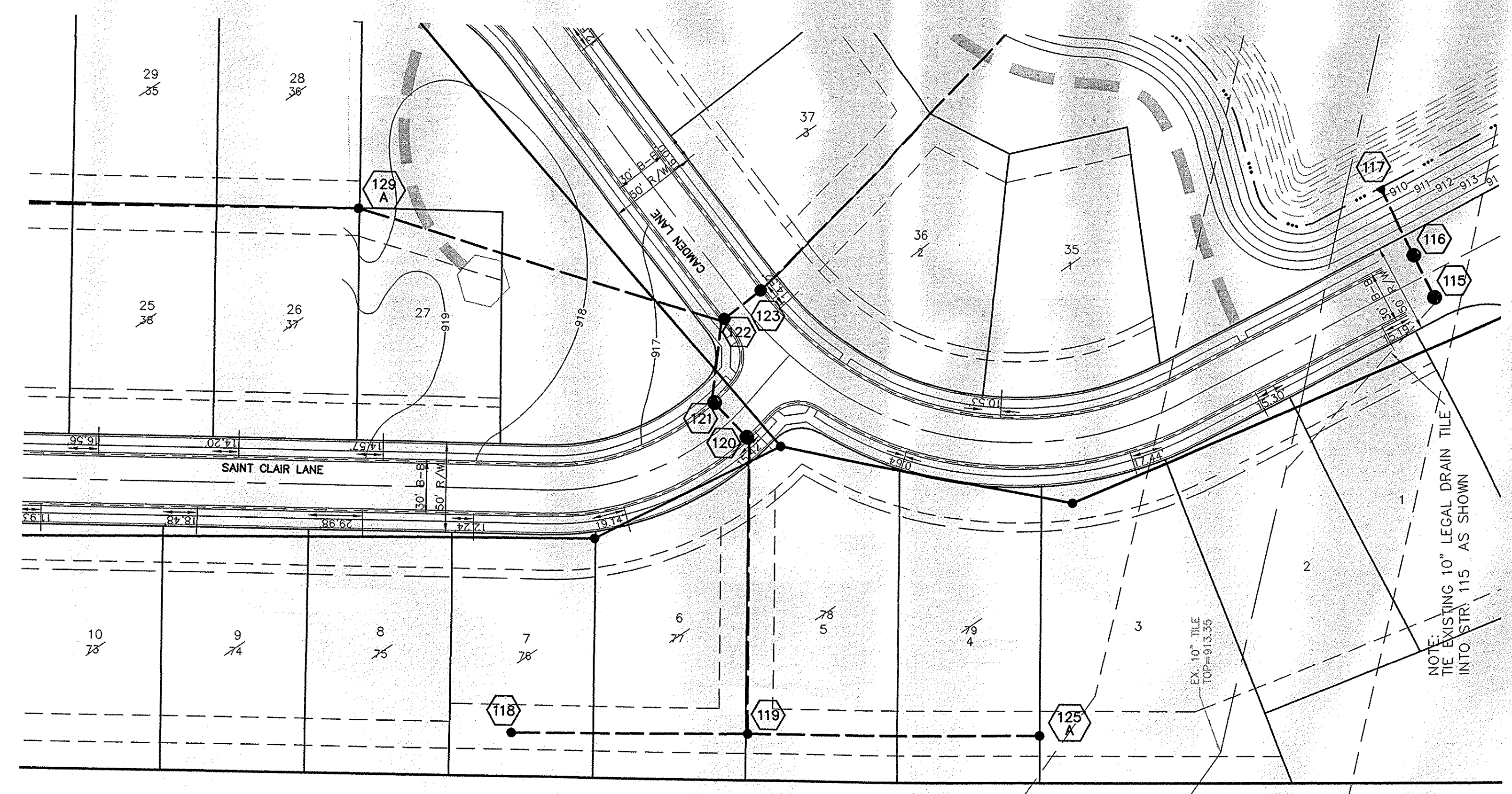


11/30/04
 DATE

SCALE: 1" = 50'



REV	DATE	MARK	REVISIONS
1	3/15/04		
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ALL EXISTING OFF-SITE DRAIN TILES THAT ARE ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW

NOTE: CONSTRUCTION TOLERANCE FOR YARD INLETS WILL BE +0.0' TO -0.20'

NOTE: "EXCEPT FOR FORCE MAINS, CONTRACTOR TO INSTALL CONCRETE CRADLES WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES AND STORM SEWERS IS 18" OR LESS."

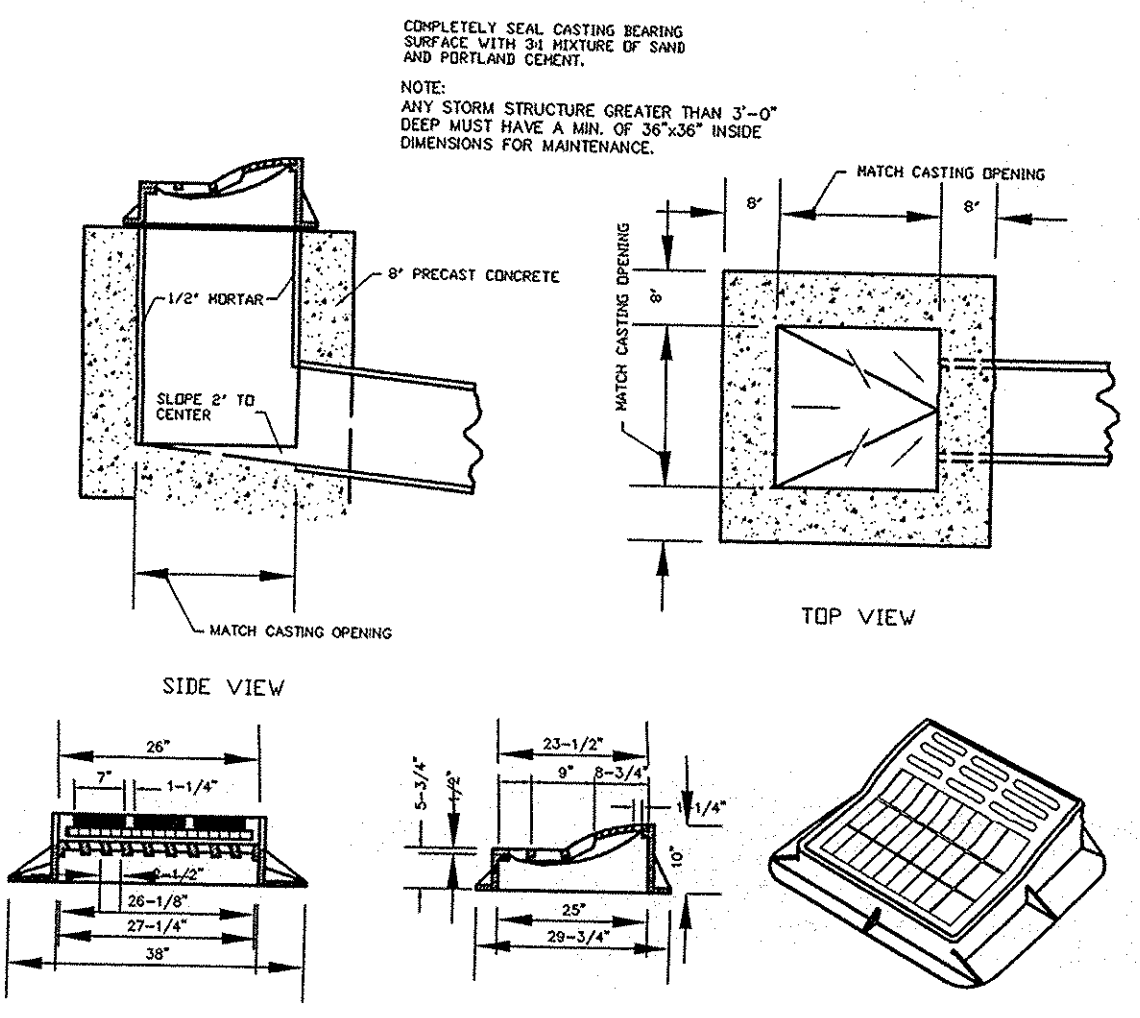
ALL MANHOLES TO BE CONSTRUCTED WITH ONE 4" RISER RING TO ESTABLISH PLAN CASTING GRADE.

ALL CURB INLET CASTINGS TO BE NEENAH R-3501-N

APPROXIMATE LOCATION OF THE STULTZ & ALMOND LEGAL DRAIN EASEMENT (75' ON BOTH SIDES OF THE FIELD TILE) AS SCALED FROM COUNTY SURVEYOR'S LEGAL DRAIN MAPS (WILL BE CRUSHED OR ABANDONED ACROSS HEATHER KNOLL SITE PER APPROVED METHODS BY THE HAMILTON COUNTY SURVEYOR'S OFFICE AND THE CITY OF CARMEL-ENGINEER)

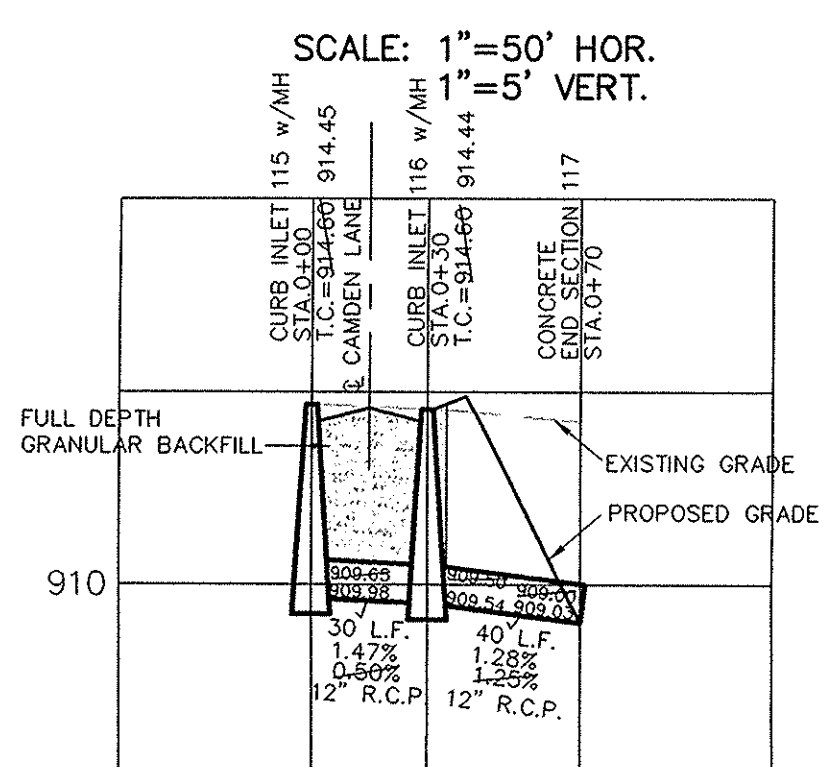
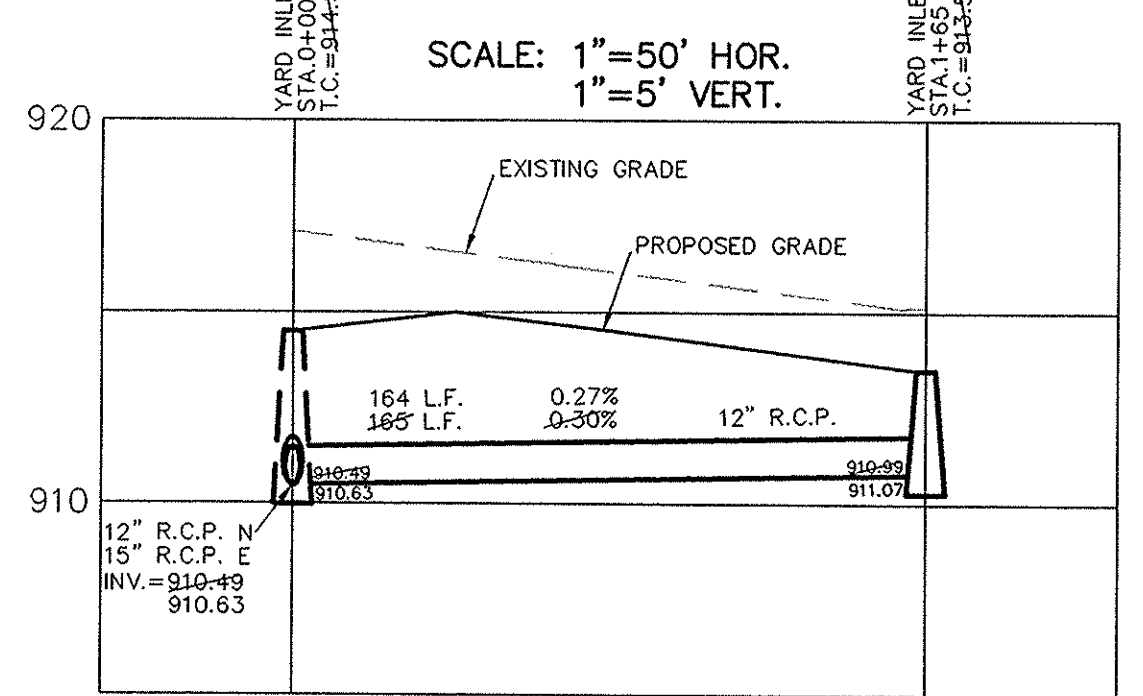
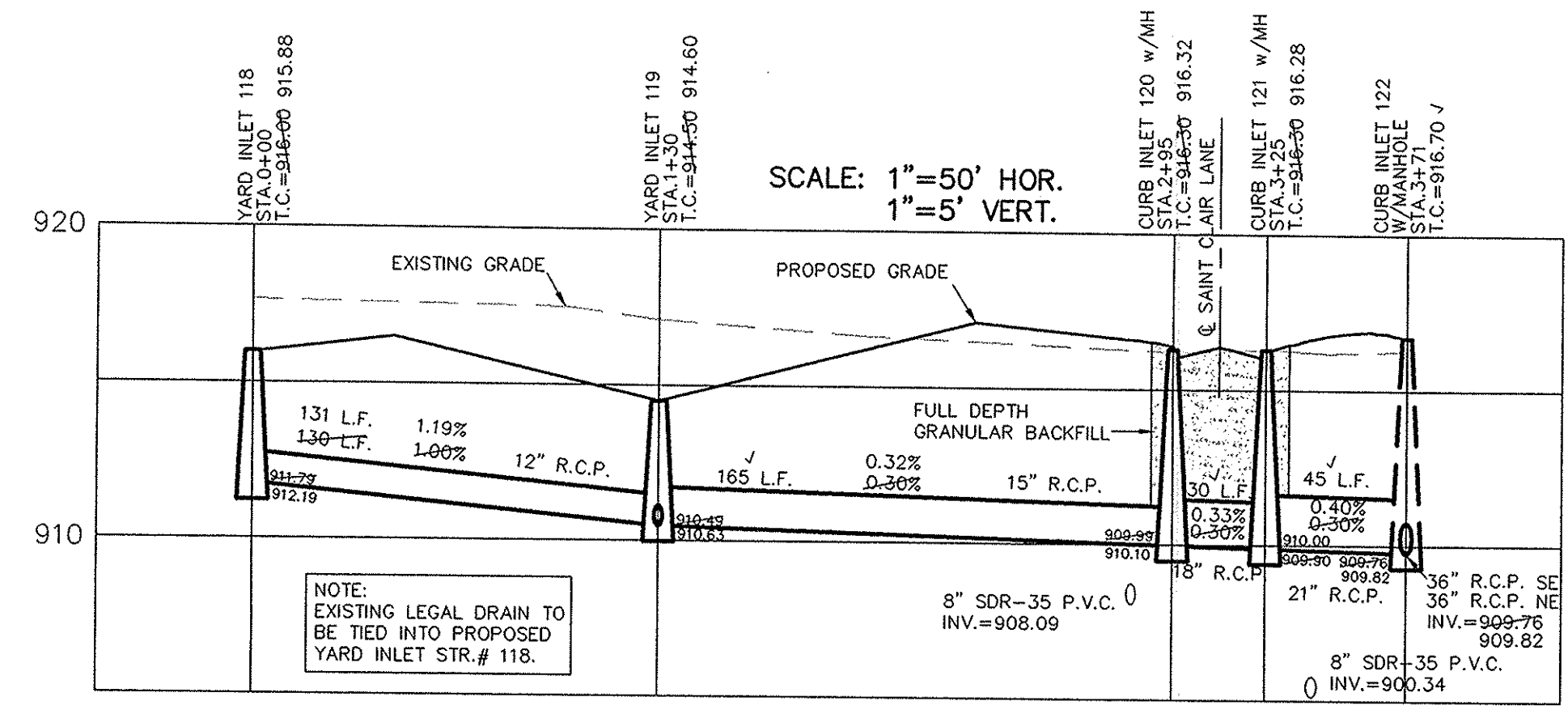
PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	24"x24"		DESIGN APPROVAL	No	Yes	Yes
12" to 21"	30"x30"		DESIGN APPROVAL	No	Yes	Yes
18" to 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" to 27"	24"x36"		DESIGN APPROVAL	No	No	Yes
12" to 24"	36"x36"		DESIGN APPROVAL	No	Yes	Yes
24" OR LARGER			DESIGN APPROVAL	No	No	Yes
24" or LARGER		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

* PIPES NO LARGER THAN 18" CAN BE USED IN THE 2' SIDE OF THIS BOX
 ** INCOMING AND OUT GOING PIPES EFFECT STEPS IN THIS STRUCTURE
 SPECIAL NOTE: STRUCTURES DEEPER THAN 48" FROM T/C TO INVERT WILL BE A M.H. OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.
 SPECIAL NOTE: STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES
 SPECIAL NOTE: COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.



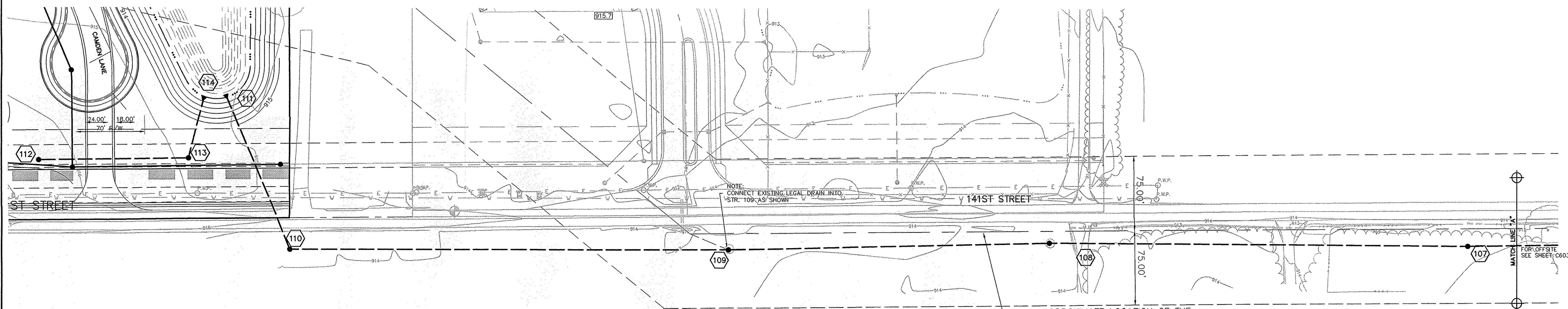
R-3501-(L)R) NEENAH CURB INLET FRAME, GRATE & CURB BOX DETAIL
 NOT TO SCALE

NOTE: THIS STORM INLET CASTING TO BE USED FOR STR.'S 127,128,135,136,140,141 AND ONE EACH FOR DBL. STR.'S 130 AND 131.



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: March 2009
 Entered By: SLM

CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
 INDIANA
 FISHERS
 STORM SEWER PLAN & PROFILE
 HEATHER KNOLL
 SECTION 1
 INDIANA
 CARMEL
 SHEET NO.
C601
 JOB NO. 47175S1

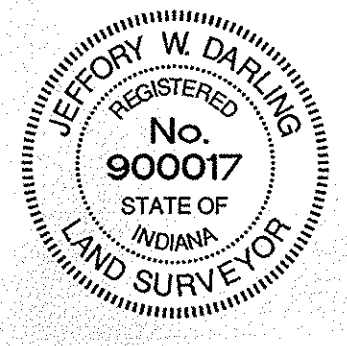


RECORD DRAWING

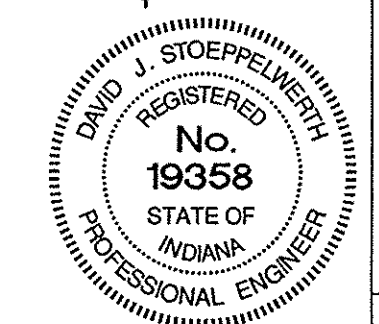
Y
ERSHIP, L.P.
34

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

Jeffery W. Darling
JEFFERY W. DARLING
Registered Land Surveyor
No. 900017
DATE 11/30/04



APPROXIMATE LOCATION OF THE STULZ & ALMOND LEGAL DRAIN EASEMENT (75' ON BOTH SIDES OF THE FIELD TILE) AS SCALED FROM COUNTY SURVEYOR'S LEGAL DRAIN MAPS (WILL BE CRUSHED OR ABANDONED ALONG ENTIRE OFF-SITE ROUTE PER APPROVED METHODS BY THE HAMILTON COUNTY SURVEYOR'S OFFICE AND THE CITY OF CARMEL ENGINEER)

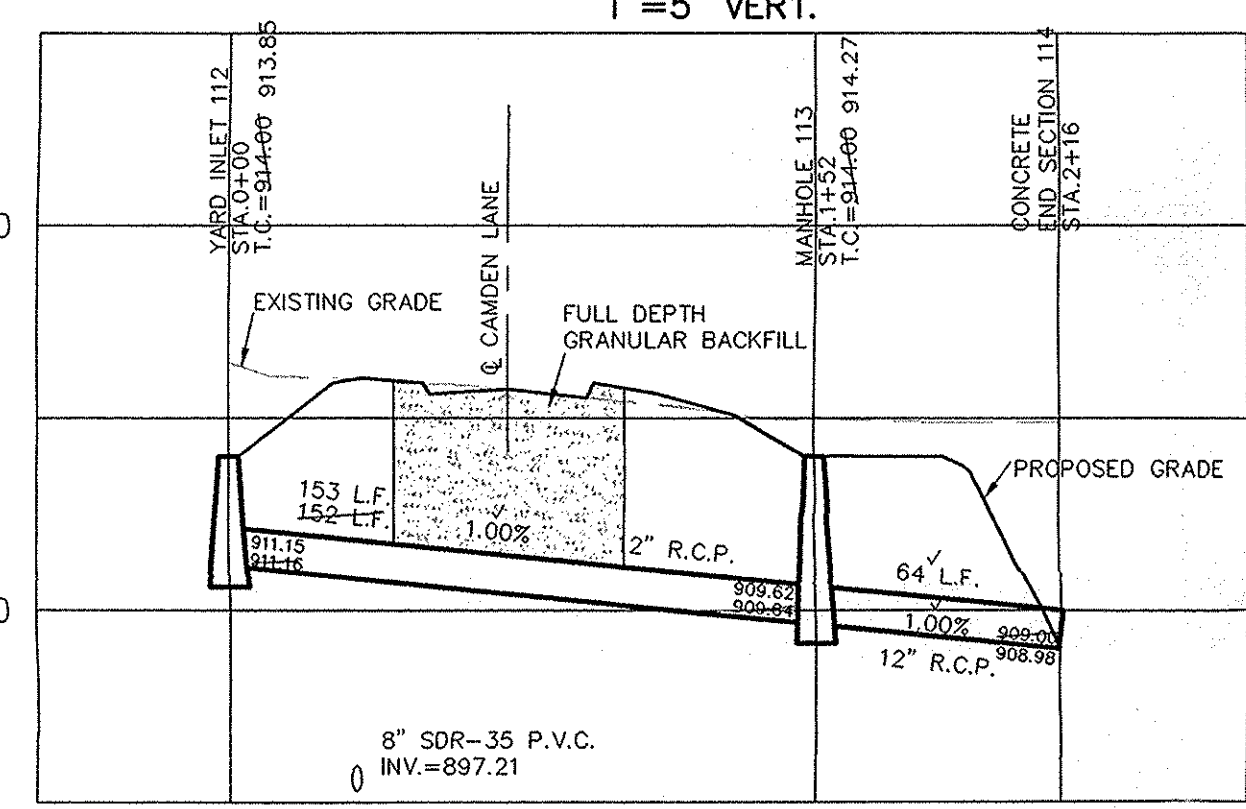


CER. TITLED: 3/5/04
David J. Stoppelmeier

CONSULTING ENGINEERS - LAND SURVEYORS
(317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
INDIANA
FISHERS



OFFSITE STORM SEWER PLAN & PROFILE
HEATHER KNOLL
SECTION 1
INDIANA
CARMEL



ALL EXISTING OFF-SITE DRAIN TILES THAT ARE ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW

NOTE: CONSTRUCTION TOLERANCE FOR YARD INLETS WILL BE +0.0' TO -0.02'

NOTE: "EXCEPT FOR FORCE MAINS, CONTRACTOR TO INSTALL CONCRETE CRADLES WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES AND STORM SEWERS IS 18" OR LESS."

ALL MANHOLES TO BE CONSTRUCTED WITH ONE 4" RISER RING TO ESTABLISH PLAN CASTING GRADE.

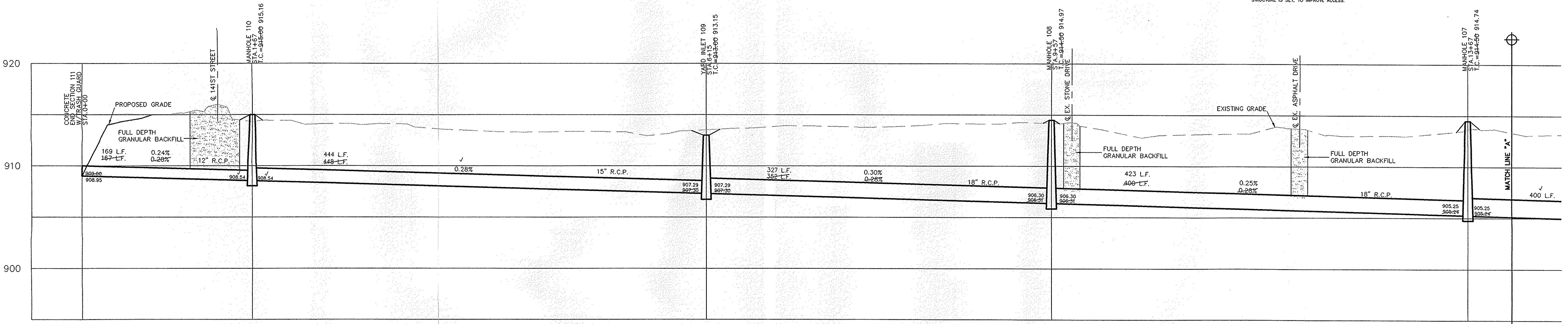
CURB INLET TABLE

PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	24"x24"		DESIGN APPROVAL	No	Yes	Yes
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18" to 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" to 27"	24"x36"		DESIGN APPROVAL	No	No	Yes
12" to 24"	36"x36"		DESIGN APPROVAL	No	Yes	Yes
24" OR LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" OR LARGER		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

* PIPES NO LARGER THAN 18" CAN BE USED IN THE 2' SIDE OF THIS BOX
** INCOMING AND OUT GOING PIPES EFFECT STEPS IN THIS STRUCTURE

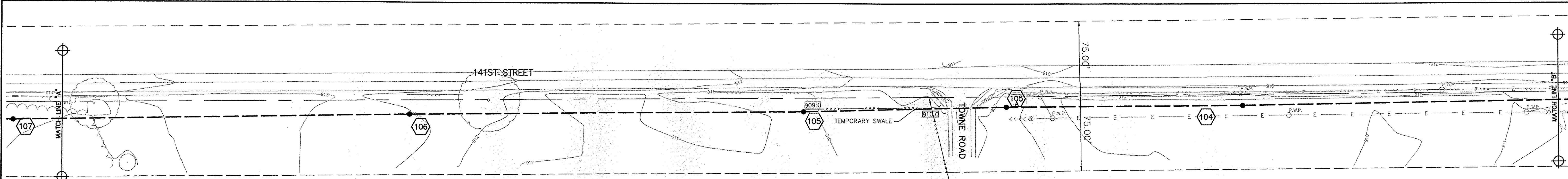
SPECIAL NOTE: STRUCTURES DEEPER THAN 48" FROM T/C TO INVERT WILL BE A MAX. OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.
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SPECIAL NOTE: COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.

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: March 2, 2009
Entered By: SLM

SHEET NO.
C602
JOB NO. 4717551



RECORD DRAWING

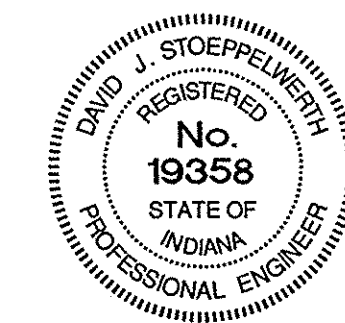
Jeffrey W. Darling
JEFFORY W. DARLING
 Registered Land Surveyor
 No. 900017

11/30/04
 DATE

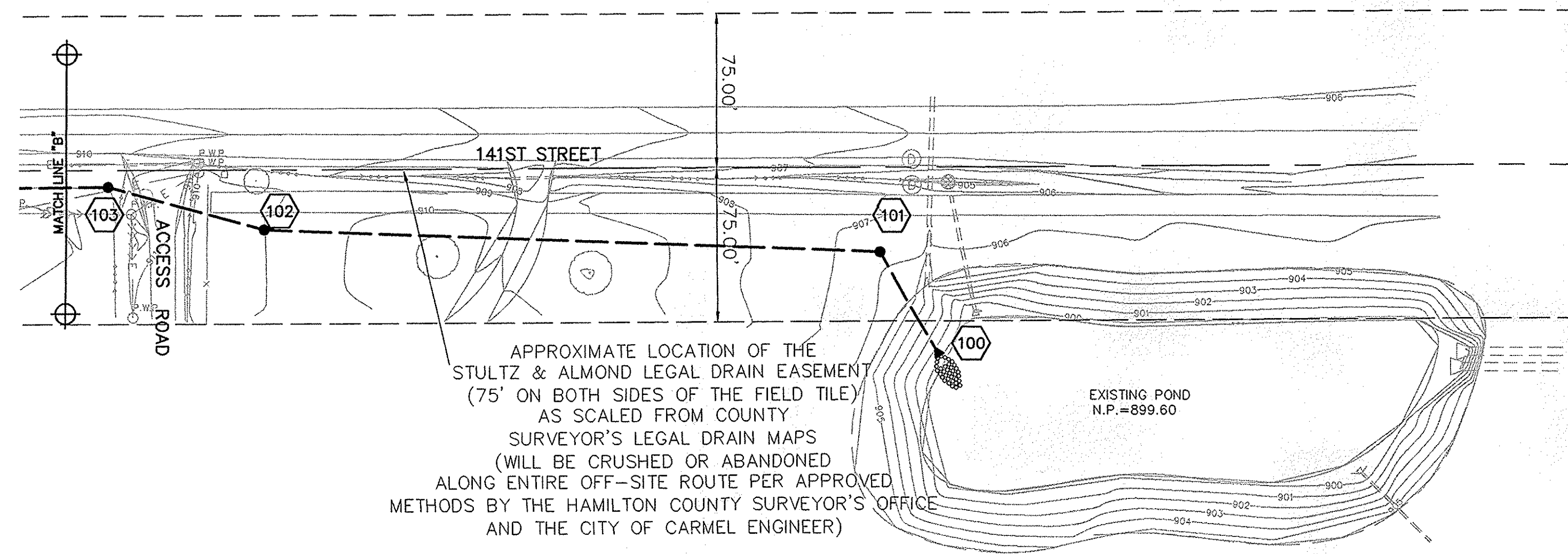


APPROXIMATE LOCATION OF THE
 STULTZ & ALMOND LEGAL DRAIN EASEMENT
 (75' ON BOTH SIDES OF THE FIELD TILE)
 AS SCALED FROM COUNTY
 SURVEYOR'S LEGAL DRAIN MAPS
 (WILL BE CRUSHED OR ABANDONED
 ALONG ENTIRE OFF-SITE ROUTE PER APPROVED
 METHODS BY THE HAMILTON COUNTY SURVEYOR'S OFFICE
 AND THE CITY OF CARMEL ENGINEER)

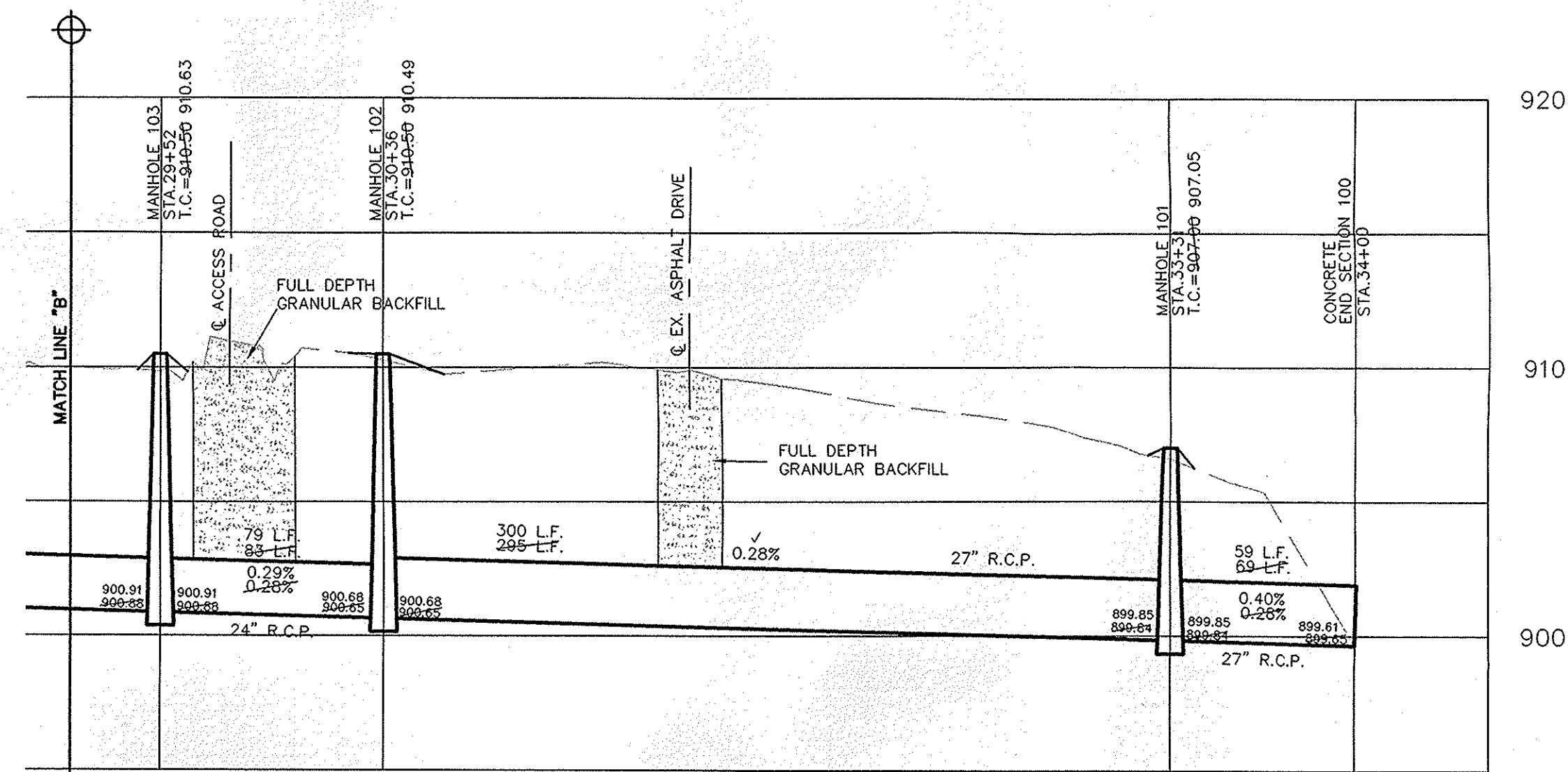
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: March 2009
 Entered By: SLR



OWN BY	DATE	MARK	REVISIONS
BY	DATE	MARK	REVISIONS
AS BUILT	11/20/04		
REV. PER SURVEYOR COMMENTS	1/29/04		
REV. PER SEES FROM STREET TO DATED 18"	4/7/04		
SCALE	1"=50'		
DATE	3/5/04		



APPROXIMATE LOCATION OF THE
 STULTZ & ALMOND LEGAL DRAIN EASEMENT
 (75' ON BOTH SIDES OF THE FIELD TILE)
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CURB INLET TABLE

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24" OR LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" or LARGER		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

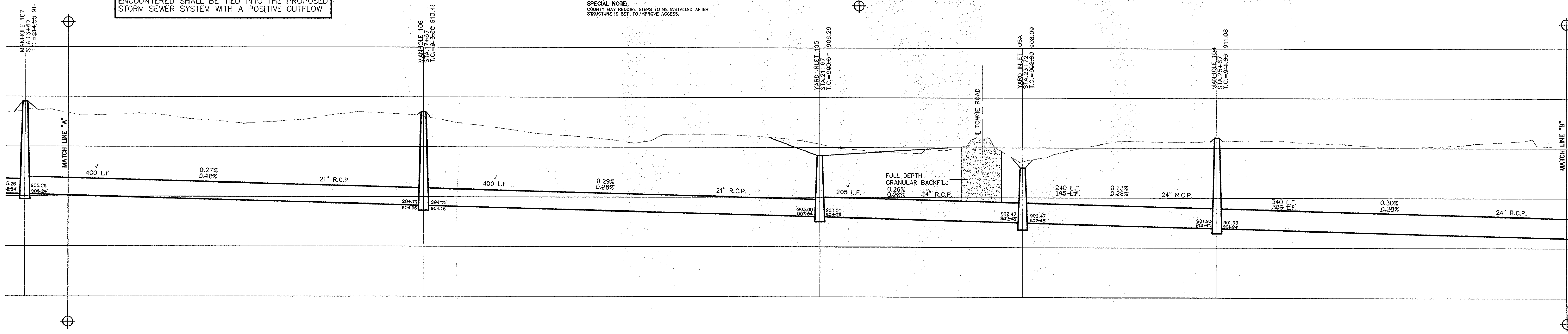
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CERTIFIED: 3/5/04
David J. Stoppa
 CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
 FISHERS INDIANA



INDIANA
OFFSITE STORM SEWER PLAN & PROFILE
HEATHER KNOLL
SECTION 1
 CARMEL

SHEET NO.
C603
 JOB NO. 47175S1