



Kenton C. Ward, Surveyor Phone (317) 776-8495 Fax (317) 776-9628 Suite 188 One Hamilton County Square Noblesville, Indiana 46060-2230

August 12, 2005

To: Hamilton County Drainage Board

Re: U.G. Mitchner Drain - Orville Keys Arm

Attached is a petition and plans for the proposed relocation and reconstruction of the U.G. Mitchner Drain – Orville Keys Arm. The relocation is being proposed by Throgmartin – Henke LLP. The proposal is to reconstruct the U.G. Mitchner Drain – Orville Keys Arm from the detention pond in Common Area "B" of Bridgewater Club Section K-1 to Sta. 37+40 of the Orville Keys Arm to the U.G. Mitchner Drain.

The new drain shall consist of those lengths of pipes between the following structures as shown on the plans for Bridgewater Club Section K, by Paul I. Cripe, dated May 6, 2005, and having project number 0980516-20540, as shown on sheets C502 and C701:

7907 to 7906, 7905, 7904, 7903, 7902, and 7901. Structure 7901 intercepts the original tile at approximate Sta. 37+40 of the Orville Keys Arm to the U.G. Mitchner Drain.

Also, the drain shall consist of those lengths of pipes between the following structures as shown on the plans for Bridgewater Section G3-5, by Paul I. Cripe, dated October 16, 2002, and having project number 980516-20400, as shown on sheets C508 and 706:

7058 to 7057, then connecting to structure 7901 mentioned above. Structure 7058 is the outlet to the detention pond in Block C of Bridgewater Club Section G3-5.

This line will consist of the following lengths:

12" RCP – 46 ft.

15" RCP – 421 ft.

24" RCP – 162 ft.

The total length of new tile shall be 629 feet. The 1,340 feet of original drain between Sta. 24+00 and Sta. 37+40 of the Orville Keys Arm to the U.G. Mitchner Drain shall be vacated. This proposal will remove 711 feet from the drains total length.

The Orville Keys Arm from Sta. 0+00 to Sta. 24+00 was vacated per my report for the U.G. Mitchner Drain – Orville Keys Arm Bridgewater Section J, dated May 24, 2004 and approved by the Board on June 28, 2004, DB Minute Book 7 pages 481 to 483.

The cost of the relocation is to be paid by Throgmartin – Henke LLP. Because the project is to be paid by the petitioner and is within the boundaries of the petitioner's property, the project falls under the requirement as set out in IC 36-9-27-52.5. Therefore, a hearing is not required for the petition.

The petitioner has provided the Performance Bond as follows:

Name of Bonding Company: INSCO Insurance Services, Inc.

Bond Number: 716766S Bond Date: June 27, 2005 Bond Amount: \$23,740.80

I recommend that upon approval of the above proposed drain 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 plat for Bridgewater Club Section K-1 as recorded in the office of the Hamilton County Recorder.

I recommend approval by the Board at this time.

Sincerely,

Kenton C. Ward

Hamilton County Surveyor

KCW/grh

HAMILTON COUNTY DRAINAGE BOARD NOBLESVILLE, INDIANA

IN RE:	
	Hamilton County, Indiana)
	PETITION FOR RELOCATION AND RECONSTRUCTION
	Throgmartin - Henke LLP (hereinafter Petitioner"),
hereby	petitions the Hamilton County Drainage Board for authority to relocate and improve a
section	of the Drain, and in support of
said pe	tition advises the Board that:
1.	Petitioner owns real estate through which a portion of the U.G.Mitchner - Orville Key Arm
	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 theU.G. Mitchner - Orville Key Arm 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
	theU.G. Mitchner - Orville Key Arm Drain, without cost to other property owners
	on the watershed of the U.G. Mitchner - Orville Key Arm 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.
v	VHEREFORE, Petitioner requests that an Order issued from the Hamilton County
Draina	ge Board authorizing relocation and reconstruction of the U.G. Mitchner - Orville Key Arm
Drain,	in conformance with applicable law and plans and specifications on file with the Hamilton
County	Surveyor. Signed
	Steve Henke, Owner
	Printed





Kenton C. Ward, CFM Surveyor of Hamilton County Phone (317) 776-8495 Fax (317) 776-9628 Suite 188 One Hamilton County Square Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

November 4, 2011

Re: UG Mitchner: Orville Keys 2005 Reconstruction

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

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated August 12, 2005. The report was approved by the Board at the hearing held December 12, 2005. (See Drainage Board Minutes Book 8, Pages 545-546) The changes are as follows:

The City of Westfield widened and installed a roundabout along 151^{st} St. This removed drain previously reported. The drain removed was between structures 7903-7902, 7902-7901, and 7901-7507. The length of the drain due to the changes described above is now **319 feet**. It should also be noted that the original Orville Keys tile was removed from Sta. 24-31+65. Also removed was a portion of the Orville Keys drain as it was reconstructed in 1984. This occurred between Sta. 0 - 5+75. Therefore, 1021 feet of drain was removed from the overall watershed length.

The non-enforcement was approved by the Board at its meeting on December 12, 2005 and recorded under instrument #200500080578. The following sureties were guaranteed by Developers Surety and Indemnity Company and expired on July 27, 2007.

Bond-LC No: 716733S **Insured For:** Storm Sewers

Amount: \$23,740.80 **Issue Date:** June 27, 2005

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

Sincerely,

Kenton C. Ward, CFM

Hamilton County Surveyor

KCW/slm





Kenton C. Ward, Surveyor Phone (317) 776-8495 Fax (317) 776-9628

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

August 12, 2005

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I recommend approval by the Board at this time.

MA

Sincerely

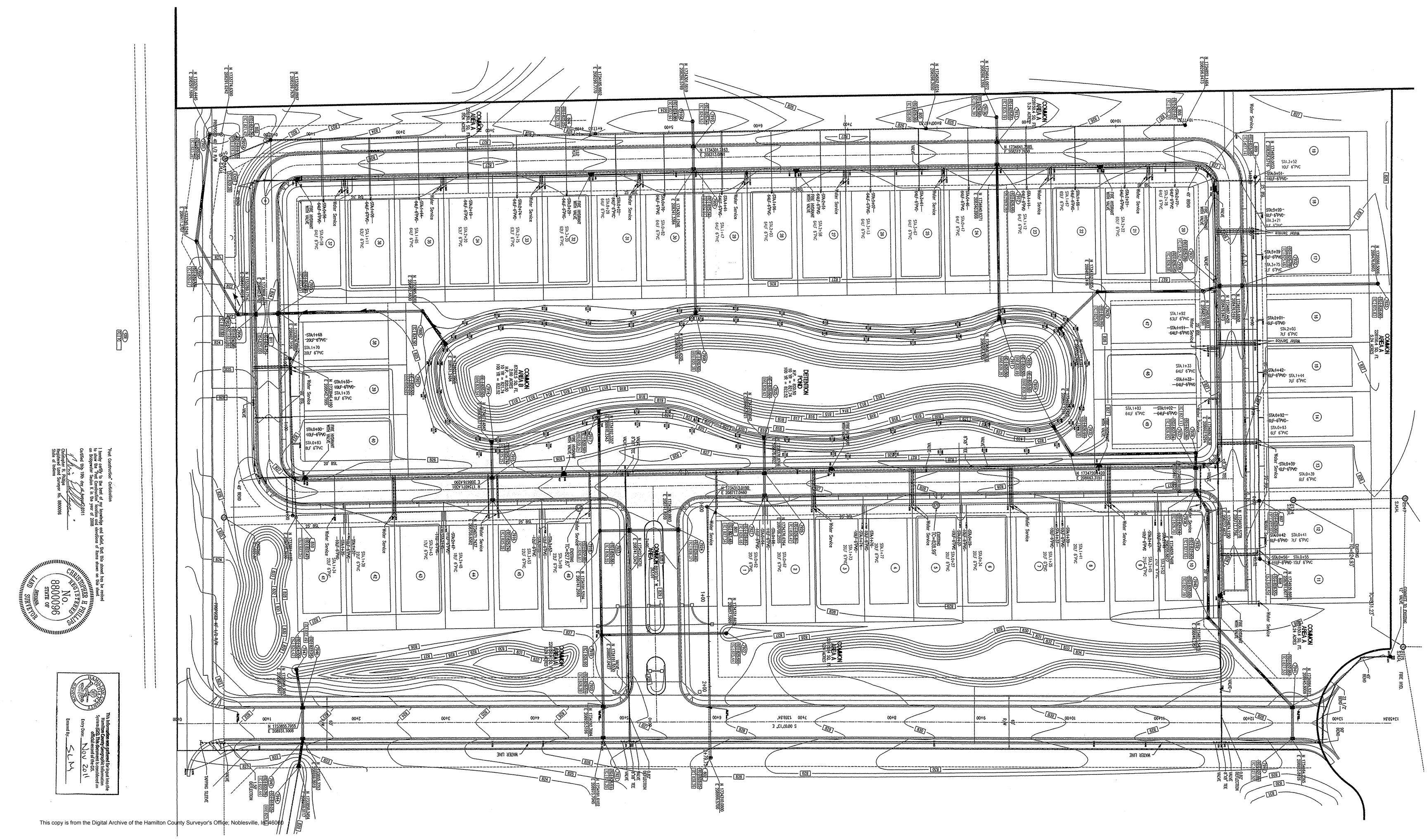
Kenton C. Ward

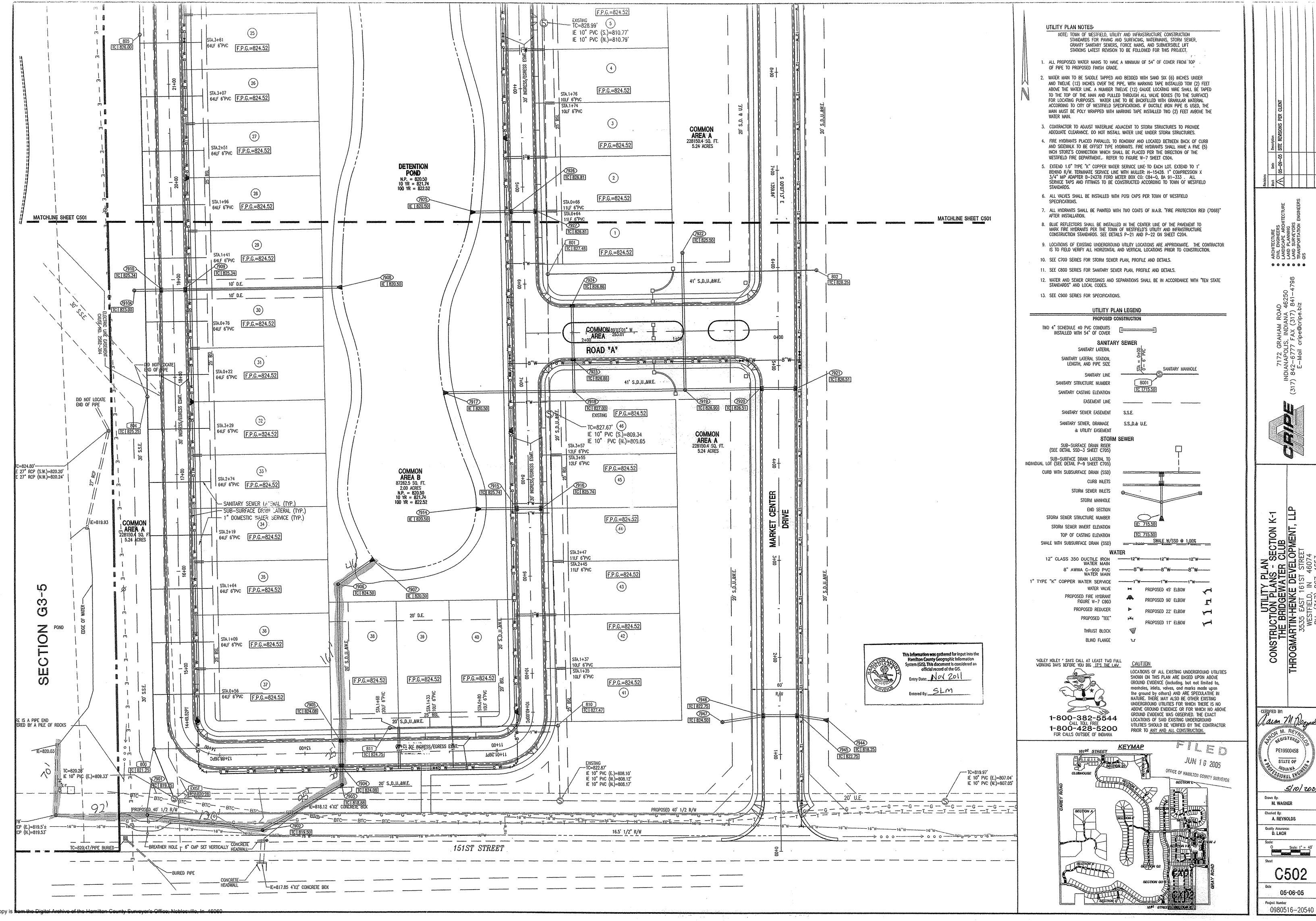
Hamilton County Surveyor

KCW/grh

STO_STR_NU	STO_STR_TY	STO_BMP _TY	TOP_OF _CAST	CAST_TYPE	SUMP_ INV	NUM_OF _INV	I1_INV_ ELE	I1_DIR N	I1_DIA	I1_MAT	I2_INV_ ELE	I2_DIR NE	I2_DIA	I2_MAT	I3_INV_ ELE	I3_DIR E		I3_MAT	I4_INV_ ELE	I4_DIR SE		I4_MAT
7901	manhole (solid lid)		823.26	R-1772		4	817.06	N	12	RCP	817.78	Е	15	RCP	814.44	S	EX	RCP	818.83	W	EX	RCP
7901A	Ditch Inlet		819.58	R-4342		1	817.37	S	12	RCP												
7902	Ditch Inlet		820.47	R-4342		2	818.09	NE	15	RCP	818.26	NW	15	RCP								
7903	manhole (solid lid)		822.93	R-1772		2	818.76	N	15	RCP	818.8	SW	15	RCP								
7904	Curb inlet		823.66	R-3501TR,TL		2	818.92	N	15	RCP	818.92	S	15	RCP								
7905	Curb inlet		823.63	R-3501TR,TL		2	819.13	N	15	RCP	819.16	S	15	RCP								
7906	manhole (solid lid)		824.50	R-1772		2	819.65	NE	12	RCP	819.6	S	15	RCP								
7907	End Section					1	820.62	SW	12	CONC												
7908	End Section					1	820.38	W	18	CONC								1				
7909	Curb inlet		824.91	R-3501TR,TL	818.54	2	820.61	Е	18	RCP	820.70	W	15	RCP								
7910	Curb inlet		824.93	R-3501TR,TL		2	820.88	Е	15	RCP	820.88	W	12	RCP								
7910A	Ditch Inlet		822.94	R-4342		1	821.28	Е	12	RCP												
7911	End Section					1	820.35	W	18	CONC												
7912	Curb inlet		825.18	R-3501TR,TL	818.91	2	820.80	Е	18	RCP	820.83	W	15	RCP								
7913	Curb inlet		825.19	R-3501TR,TL		2	821.12	Е	15	RCP	821.27	W	15	RCP								
7913A	Ditch Inlet		824.39	R-4342		1	821.24	Е	15	RCP												
7914	End Section					1	820.54	Е	12	CONC												
7915	Curb inlet		825.25	R-3501TR,TL	818.89	2	820.99	Е	12	RCP	820.94	W	12	RCP								
7916	Curb inlet		825.26	R-3501TR,TL		1	821.60	W	12	RCP												
7917	End Section					1	820.24	Е	24	CONC												
7918	manhole (solid lid)		826.61	R-1772	818.69	3	822.08	N	12	RCP	820.73	Е	18	RCP	820.78	W	24	RCP				
7919	manhole (solid lid)		826.90	R-1772		3	821.33	N	15	RCP	821.32	Е	15	RCP	821.25	W	18	RCP				
7920	Curb inlet					2	822.36	Е	12	RCP	822.14	W	15	RCP								
7921	Curb inlet					1	822.60	W	12	RCP												
7922	Beehive		825.44	R-4342		1	822.11	S	15	RCP												
7923	Curb inlet					2	822.60	N	12	RCP	822.6	S	12	RCP								
7924	Curb inlet			R-3501TR,TL		1	822.96	S	12	RCP								a dinter a second				
7925	End Section					1	820.62	E	12	RCP												
7926	Curb inlet					2	822.13	E	12	RCP	822.25	W	12	RCP								
7927	Curb inlet		826.46	R-3501TR,TL		1	822.81	W	12	RCP												
7928	End Section					1	820.49	NW	24	RCP												
7929	Ditch Inlet		825.82	R-4342	818.92	2	820.92	N	18	RCP	820.51	SE	24	RCP				-				
7930	manhole (solid lid		826.08	R-1772		2	821.61	S	18	RCP	821.65	NW	18	RCP								
7931	Curb inlet			R-3501TR,TL		2	821.72	N	18	RCP	821.67	SE	18	RCP								
7931	Curb inlet			R-3501TR,TL		2	821.99		15	RCP	821.79	S	15	RCP								
7932	Ditch Inlet		825.83	R-4342		1	822.48		15	RCP	32117	1778	10	1101								
7934	End Section		023.03	K-4342		1	820.37	NE	24	RCP					No. of the last of							Part Second
7934	manhole (solid lid	1	826.90	R-1772	818.66	2	820.44	N	24	RCP	820.5	SW	24	RCP								
7936	manhole (solid lid	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	820.90	R-1772		2	820.86	_	24	RCP	820.81	S	24	RCP								
7936	Curb inlet	7		R-3501TR,TL		2	821.55		18	RCP	821.40	W	24	CONC								
7937	Curb inlet			R-3501TR,TL		2	822.00	_	18	RCP	822.00	W	18	CONC								
	manhole (solid lid	\	827.65			2	822.36	E	18	RCP	822.33	SW	18	CONC				The state of the s				
7939)	827.19	_		2	823.09		18	RCP	823.09	W	18	CONC								
7940	Ditch Inlet					2	823.76		15	RCP	823.71	SW	18	CONC								
7941	Curb inlet		_	R-3501TR,TL	_	1	823.76		15	RCP	023./1	S W	10	CONC								
7942	Curb inlet			R-3501TR,TL		1				CONC			E CONTRACTOR									
7944	End Section		922.44	D 2501TD TI		1	818.23	_	18	RCP	010 66	W	15	RCP								
7945	Curb inlet		822.44			2	818.62	_	18		818.66	W		RCP	I REL THE LESS							
7946	Curb inlet		822.49		OF RESIDENCE STREET	2	819.01	E	15	RCP	819.23	W	12	RCF								To the second
7947	Ditch Inlet		824.42	R-4342		1	819.45	E	12	RCP							er er er er et					

PS_STR_ID I	DOW_STR_ID	SLOPE	DIAM	PIPE_LEN	MATER	PIPE_CLASS	LEN_GRA _FI	AVG_DEPTH	UPST_INVER	DOWN_INVER	SLO
7901A	7901	2.38%	12	13	CONC	RCP		4.21	817.37	817.06	2.3
7002	7004	0.400/	15	121	CONC	RCP		3.85	818.26	817.78	0.4
7902	7901	0.40%	15	91	CONC	RCP		3.26	818.80	818.09	0.7
7903 7904	7902 7903	0.78%	15	19	CONC	RCP	7	4.45	818.92	818.76	0.8
	7903	1.00%	15	24	CONC	RCP	24	4.61	819.16	818.92	1.0
7905		0.30%	15	159	CONC	RCP	17	4.70	819.60	819.13	0.3
7906 7907	7905 7906		12	47	CONC	RCP		4.85	820.62	819.65	2.0
7907	7906	2.06%	12	41	CONC	KOP		4.03	020.02	019.03	2.0
7909	7908	0.15%	18	158	CONC	RCP	16	4.30	820.61	820.38	0.
7910	7909	0.75%	15	24	CONC	RCP	24	4.13	820.88	820.70	0.7
7910A	7910	1.56%	12	27	CONC	RCP	7	2.87	821.28	820.86	1.
7912	7911	0.27%	18	169	CONC	RCP	16	4.38	820.80	820.35	0.2
7913	7912	1.21%	15	24	CONC	RCP	24	4.21	821.12	820.83	1.3
7913A	7913	-0.12%		26	CONC	RCP	7	3.54	821.24	821.27	-0.
7045	7014	1.03%	12	39	CONC	RCP	17	4.31	820.94	820.54	1.0
7915	7914			24		RCP	24	3.96	821.60	820.99	2.
7916	7915	2.54%	12	24	CONC	RCP	24	3.96	021.00	620.99	2.
7918	7917	0.41%	24	131	CONC	RCP	63	5.83	820.78	820.24	0.4
7919	7918	0.45%	18	116	CONC	RCP		5.76	821.25	820.73	0.
7922	7919	0.56%	15	140	CONC	RCP	86	4.45	822.11	821.33	0.
7923	7918	1.62%	12	32	CONC	RCP	16	4.24	822.60	822.08	1.0
7924	7923	0.68%	12	53	CONC	RCP	53	3.68	822.96	822.60	0.
1024	1020	0.0070	12		CONO	INOT		0.00	022.00	322.00	
7920	7919	1.05%	15	78	CONC	RCP	16	4.86	822.14	821.32	1.
7921	7920	0.71%	12	34	CONC	RCP	34	3.76	822.60	822.36	0.
7026	7925	4.29%	12	38	CONC	RCP	16	4.17	822.25	820.62	4.
7926 7927	7925	2.83%	12	24	CONC	RCP	24	3.97	822.81	822.13	2.
1921	1920	2.03%	12	24	CONC	KOF	24	3.31	022.01	022.13	2.
7929	7928	0.04%		56	CONC	RCP		5.15	820.51	820.49	0.
7930	7929	0.58%		119	CONC	RCP		4.47	821.61	820.92	0.
7931	7930	0.12%		17	CONC	RCP	17	4.09	821.67	821.65	0.
7932	7931	0.29%		24	CONC	RCP	24	3.69	821.79	821.72	0.
7933	7932	0.32%	15	151	CONC	RCP	16	3.41	822.48	821.99	0.
7935	7934	0.31%	24	42	CONC	RCP		6.40	820.50	820.37	0.
7936	7935	0.26%		140	CONC	RCP		6.38	820.81	820.44	0.
7937	7936	3.60%		15	CONC	RCP	15	5.75	821.40	820.86	3.
7938	7937	1.88%		24	CONC	RCP	24	4.90	822.00	821.55	1.
7939	7938	1.27%		26	CONC	RCP	26	5.01	822.33	822.00	1.
7940	7939	0.59%		119	CONC	RCP	119	4.68	823.09	822.39	0.
7941	7940	0.46%		136	CONC	RCP	34	3.96	823.71	823.09	0.
7942	7941	0.26%		34	CONC	RCP	34	3.71	823.85	823.76	0
7045	7044	1 200/	10	20	CONC	RCP	17	3.82	818.62	818.23	1.
7945	7944	1.30%		30				3.63	819.01	818.66	1.
7946	7945	1.03%		34	CONC	RCP	34				0.
7947	7946	0.52%	12	42	CONC	RCP	17	4.11	819.45	819.23	1





Jaisn MDo. PE19900458 STATE OF 5/10/2005 M. WAGNER

A. REYNOLDS Quality Assurance: D. LACH

C502

05-06-05 Project Number 0980516-20540