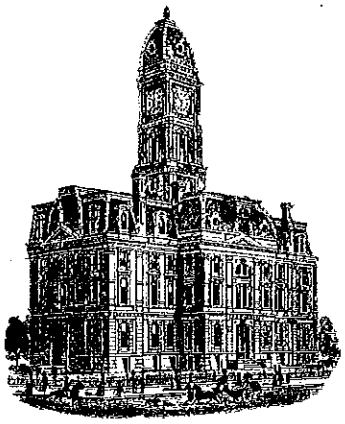


SURVEYOR'S OFFICE

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

December 28, 2012

To: Hamilton County Drainage Board

Re: Williams Creek Drain, Towne Road 131st to 146th Reconstruction

Attached are petition, plans, and other information for the proposed reconstruction of the Williams Creek Drain, for the Towne Road from 131st to 146th Reconstruction. The reconstruction was petitioned by the City of Carmel. During the road reconstruction, the Williams Creek Drain – Saddle Creek – Section 10 & 11 Arm was affected. Those changes are as follows:

Williams Creek Drain

Williams Creek Drain – Saddle Creek Section 10 & 11 Arm: The project will replace the existing 23 feet of twin 24" RCP pipes, Structures 847 to 848 per the plans for Saddle Creek Section 10 & 11 prepared by Stoeppelwerth & Associates, having Job Number 42611, and date of 3-29-02. This will be replaced with 146 feet of twin 18" RCP, shown as Structures 403 and 404 on the road project plans. The project also removed 76 feet of 12" pipe from Str. 852A to Str. 853 and replaced it with 80 feet of 18" RCP from Str. 414 to 310 on the road plans. This will add 123 feet of twin pipe and 4 feet of single pipe to the length of this arm. This is shown on Sheets 26 and 27 of the plans prepared by American Structurepoint, Inc., having City of Carmel Project Number 11-02, and dated February 10, 2011.

Williams Creek Drain – Saddle Creek Towne Road Extension: The project added a pipe under Towne Road for future drainage of the watershed West of Towne Road, north of Lincolnshire Subdivision to the watershed break near 151st Street. This pipe is only 2 manhole and 104 feet of 36" pipe under the roadway at this time, but will be extended as development on the southeast, southwest, and northwest corners of 146th Street and Towne Road happens. This will add 104 feet to the Williams Creek Drain. This is shown on Sheet 28 of the plans prepared by American Structurepoint, Inc., having City of Carmel Project Number 11-02, and dated February 10, 2011.

The road project will add 231 feet to the total length of the Williams Creek Drain.

The cost of the reconstruction is to be paid by the City of Carmel. Because the project is to be paid by the petitioner and is being completed within the right of way owned by the City of Carmel, the project falls under the requirements as set out in IC 36-9-27-52.5. Therefore, a hearing with 30 day notice is not required for the petition.

I recommend the Board approve the project at this time.

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

Gasb 34 Asset Price & Drain Length Log

Drain-Improvement: 131st St to 146th St : Town Rd Reconstr.

					If Applicable	
Drain Type:	**Size:**	**Length**	**Length (DB Query)**	**Length Reconcile**	**Price:**	**Cost:**
RCP	18"	292*	292	∅	$10.50 LF	$3066.00
RCP	18"	80'	80'	∅	$10.50 LF	$840.00
RCP	36"	104'	104'	∅	$32.25 LF	$3354.00
Sum:		330'	330'	∅		$7,260.00

Final Report: N/A

Comments:

* 146' of twin pipe

Revised June 1997

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN RE: _____)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

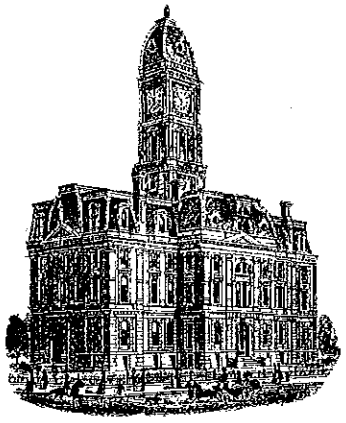
The City of Carmel (hereinafter Petitioner"), hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the Elliott Creek-Lakeside Park Arm Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Elliott Creek-Lakeside Pk 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 the Elliott Creek-Lakeside Park 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 the Elliott Creek-Lakeside Park Arm Drain, without cost to other property owners on the watershed of the Elliott Creek-Lakeside Park 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.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Elliott Creek-Lakeside Park Arm Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

M. J. McBride
Signed

Mike McBride
Printed



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 **August 27, 2013**

Re: Williams Creek Drain – Towne Rd 131st to 146th St Reconstruction

Attached are as-builts, certificate of completion & compliance, and other information for Towne Rd 131st to 146th Street 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 there were no significant changes made to the drainage plans submitted with my report for this drain dated December 28, 2012. The report was approved by the Board at the hearing held July 8, 2013. Therefore, the length of the drain remains at **330 feet**. It should be noted that the project removed 99 feet of existing drain. Therefore, there was 231 feet of drain added to the overall length of the watershed.

All the work was done within right of way or existing drainage easement. Therefore, no additional drainage easements were required. The project was paid for by the City of Carmel. Subsequently, no sureties were required.

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

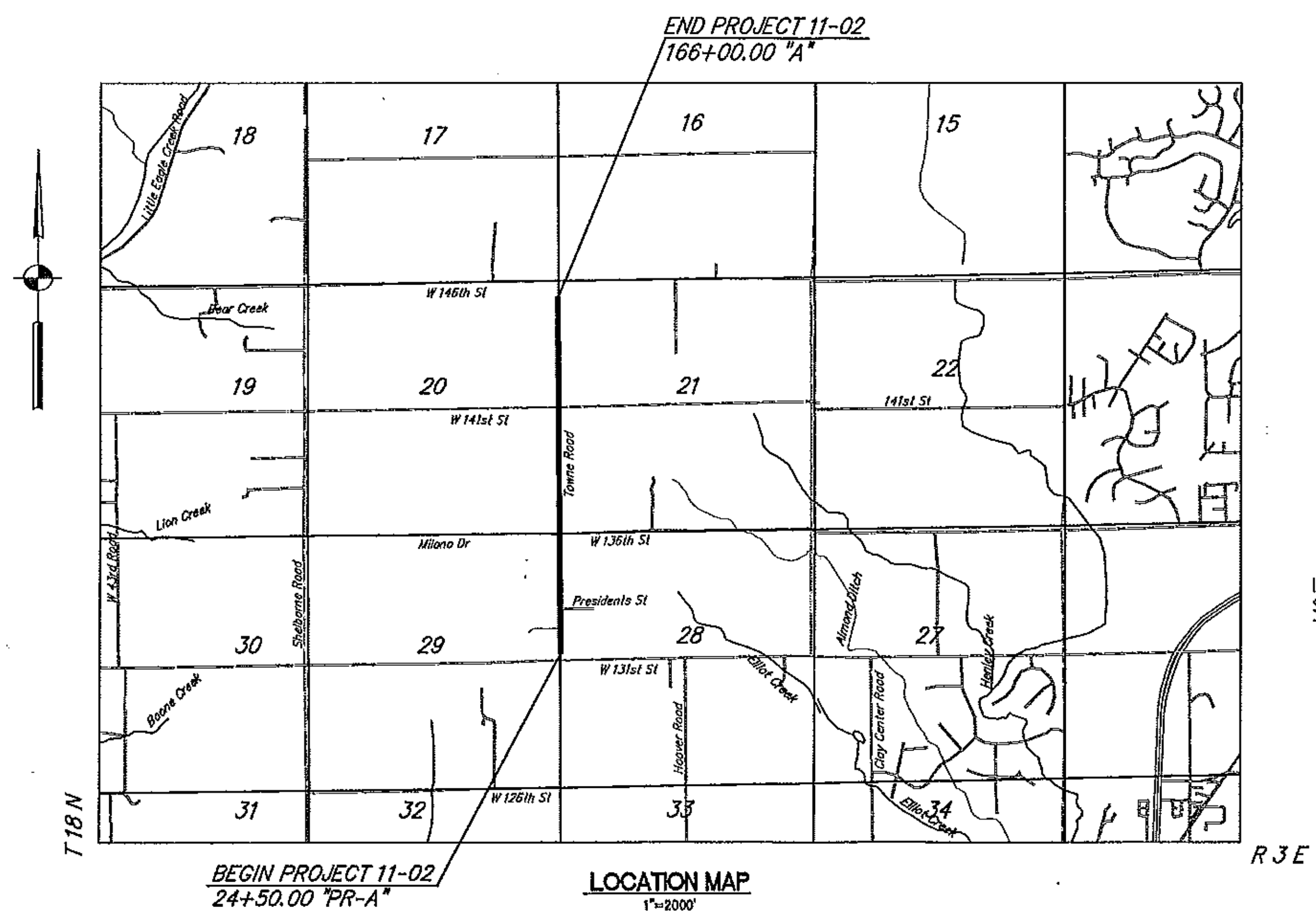
Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

CITY OF CARMEL
PROJECT NO. 11-02

TOWNE ROAD
131st Street to 146th Street



LOCATION MAP
1"=2000'

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2010 TO BE USED WITH THESE PLANS

PROJECT LETTING DATE: 03-02-2011

APPROVED BY:
BOARD OF PUBLIC WORKS AND SAFETY

JAMES BRAINARD, MAYOR - CHAIRMAN
MARY ANNE BURKE - MEMBER
LORI WATSON - MEMBER

HAMILTON COUNTY SURVEYOR

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: August 2013

Entered By: SLM

CITY OF CARMEL A PARTNERSHIP INDIANA

OWNER
CITY OF CARMEL
ONE CIVIC SQUARE
CARMEL, INDIANA 46032
(317) 571-2400

TOPOGRAPHIC SURVEY BY:
FIRM NAME: AMERICAN STRUCTUREPOINT
ADDRESS: 7260 SHADELAND STATION
CITY/STATE: INDIANAPOLIS, IN
PHONE: 317-547-5580
CONTACT: SAM BALOG

HOLEY MOLEY SAYS
"DON'T DIG BLIND"

"IT'S THE LAW"
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
PER INDIANA STATE LAW IC-8-1-26, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

PLANS PREPARED BY:

AMERICAN STRUCTUREPOINT INC.
7260 SHADELAND STATION
INDIANAPOLIS, IN 46256-3957
TEL 317.547.5580 FAX 317.543.0270
www.structurepoint.com

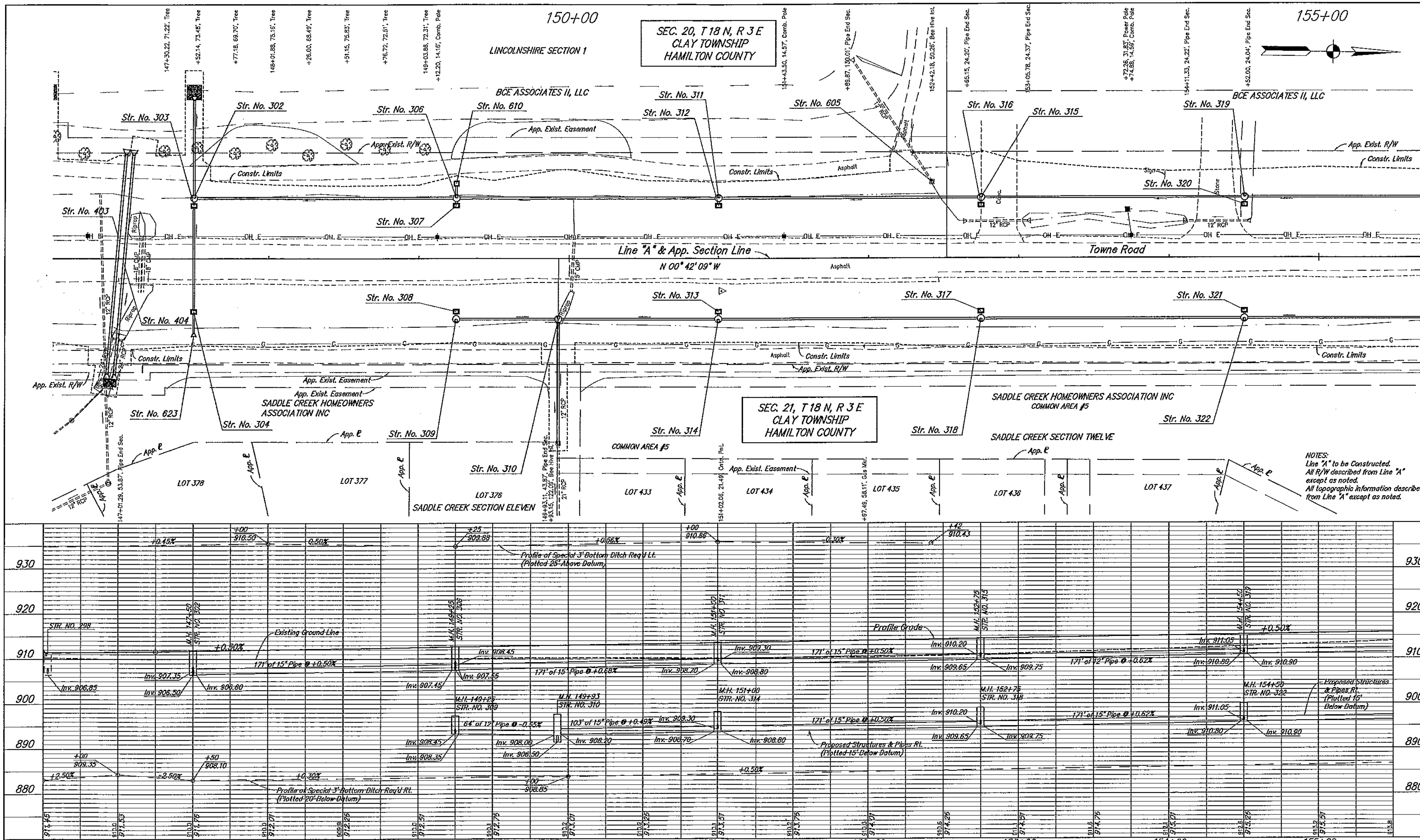
J. SAMUEL BALOG REGISTERED No. 10505104 STATE OF INDIANA PROFESSIONAL ENGINEER

J. Samuel Balog 02-10-2011
CERTIFIED BY: DATE

DESIGNED: JSB	CHECKED: MJM
DRAWN: MJM	CHECKED: JSB

FINAL CONSTRUCTION DOCUMENTS

PROJECT NO. 11-02 - TOWNE ROAD


150+00
155+00
LINCOLNSHIRE SECTION 1
SEC. 20, T 18 N, R 3 E
CLAY TOWNSHIP
HAMILTON COUNTY
BCE ASSOCIATES II, LLC
Str. No. 303
Str. No. 302
Str. No. 306
Str. No. 610
Str. No. 311
Str. No. 312
Str. No. 605
Str. No. 316
Str. No. 315
Str. No. 319
Str. No. 320
Str. No. 403
Str. No. 307
Str. No. 404
Str. No. 308
Str. No. 313
Str. No. 317
Str. No. 321
Str. No. 623
Str. No. 304
Str. No. 309
Str. No. 310
Str. No. 314
Str. No. 318
Str. No. 322
App. Exist. Easement
App. Exist. R/W
Constr. Limits
Asphalt
Line "A" & App. Section Line
N 00° 42' 09" W
Towne Road
12" RCP
SADDLE CREEK HOMEOWNERS ASSOCIATION INC
SADDLE CREEK HOMEOWNERS ASSOCIATION INC
COMMON AREA #5
SEC. 21, T 18 N, R 3 E
CLAY TOWNSHIP
HAMILTON COUNTY
SADDLE CREEK SECTION ELEVEN
SADDLE CREEK SECTION TWELVE
LOT 378
LOT 377
LOT 376
LOT 433
LOT 434
LOT 435
LOT 436
LOT 437
App. ℄
NOTES:
Line "A" to be Constructed.
All R/W described from Line "A" except as noted.
All topographic information described from Line "A" except as noted.
930
920
910
900
890
880
Existing Ground Line
Profile Grade
Profile of Special 3' Bottom Ditch Req'd Lt. (Plotted 25' Above Datum)
Profile of Special 3' Bottom Ditch Req'd Rt. (Plotted 20' Below Datum)
Proposed Structures & Pipes Rt. (Plotted 15' Below Datum)
Proposed Structures & Pipes Rt. (Plotted 16' Below Datum)
171' of 15" Pipe @ +0.50%
171' of 15" Pipe @ +0.68%
171' of 12" Pipe @ +0.62%
171' of 15" Pipe @ +0.62%
64' of 12" Pipe @ -0.55%
103' of 15" Pipe @ +0.49%
STR. NO. 298
M.H. 149+25 STR. NO. 309
M.H. 149+93 STR. NO. 310
M.H. 151+00 STR. NO. 314
M.H. 152+75 STR. NO. 318
M.H. 154+50 STR. NO. 322
147+00
148+00
149+00
150+00
151+00
152+00
153+00
154+00
155+00

RECOMMENDED FOR APPROVAL	I. Samuel Balog, DESIGN ENGINEER, 02-10-2011 (DATE)
DESIGNED: MJM	DRAWN: MJM
CHECKED: JSB	CHECKED: JSB

I. SAMUEL BALOG, REGISTERED No. 10505104, STATE OF INDIANA, PROFESSIONAL ENGINEER

CITY OF CARMEL

PLAN AND PROFILE
LINE "A"

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION NO.
SURVEY BOOK	SHEETS 16 of 116
CONTRACT	PROJECT NO. 11-02

sbalog 2/11/2011 8:42:58 AM P:\IN2004\0222\0. Drawings\IN2004.0222.RD.PH2.PP08.dgn

156+00

160+00

SEC. 20, T 18 N, R 3 E
CLAY TOWNSHIP
HAMILTON COUNTY

BCE ASSOCIATES II, LLC

THOMAS P. MURPHY, TRUSTEE

Str. No. 323
Manhole Type C-4 &
196' of 12" Pipe Req'd.

Str. No. 324
Catch Basin Type K-10 &
2' of 12" Pipe Req'd.

Str. No. 328
Inlet, Type M-10 &
67' of 12" Pipe Req'd.

Str. No. 331
Inlet, Type M-10 &
1' of 12" Pipe Req'd.

Str. No. 333
Inlet, Type M-10 &
67' of 12" Pipe Req'd.

Str. No. 606
Manhole Type J-4 &
104' of 36" Pipe Req'd.

Str. No. 336
Inlet, Type M-10 &
67' of 12" Pipe Req'd.

App. Exist. R/W

Constr. Limits

60' R/W

Line "A" & App. Section Line
N 00° 42' 09" W

Existing Pipe to be Removed

Towne Road
Asphalt

Str. No. 329
Catch Basin Type K-10 &
2' of 12" Pipe Req'd.

Str. No. 332
Inlet, Type M-10 &
1' of 12" Pipe Req'd.

Str. No. 339
Rt Manhole Type C-4 &
126' of 12" Pipe Req'd.

Str. No. 325
Catch Basin Type K-10 &
2' of 12" Pipe Req'd.

Str. No. 326
Manhole Type C-4 &
196' of 12" Pipe Req'd.

Str. No. 607
Manhole Type J-4 Req'd.

Str. No. 334
Catch Basin Type K-10 &
2' of 12" Pipe Req'd.

Str. No. 337
Catch Basin Type K-10 &
2' of 12" Pipe Req'd.

Str. No. 338
Manhole Type C-4 &
116' of 15" Pipe Req'd.

Str. No. 701
Manhole Type C-4 &
431' of 15" Pipe Req'd.

Landscape Berm

SADDLE CREEK HOMEOWNERS ASSOC. INC.
COMMON AREA #6

CLIFFORD D. & STACEY L. WASHINGTON

THOMAS A. & TWYLA L. DOANE

SADDLE CREEK HOMEOWNERS ASSOCIATION INC
COMMON AREA #5

SADDLE CREEK SECTION TWELVE

Chariots Whisper Dr.

Street Approach
W = 27' L = 40'

CB CHILDREN PARTNERSHIP

SEC. 21, T 18 N, R 3 E
CLAY TOWNSHIP
HAMILTON COUNTY

NOTES:
Line "A" to be Constructed.
All R/W described from Line "A"
except as noted.

- (C) 6" PCCP for Approaches on 6" Compacted Aggregate, No. 53
- (D) 165 #/Syd. HMA Surface, Type "A" on 275#/Syd. HMA Intermediate, Type "A" on 8" Compacted Aggregate Base, No. 53
- (E) Concrete Sidewalk 4"
- (G) Multi-Use Path (See Typical Sections)
- (K) Full Depth HMA Pavement (See Typical Sections)
- (O) Compacted Aggregate Base, No. 53
- (R) 165#/Syd HMA Surface Type "C" on 1.5" Asphalt Milling
- (17) Curb and Gutter Type II
- (19) Curb and Gutter Type III
- (26) Sodding
- (X) Concrete Curb Ramp (Type is Indicated by Letter Inside Hexagon)
- Mailbox Assembly
- (R) 165#/Syd HMA Surface Type "C" on Variable Depth, HMA Intermediate Type "C"
- (02) 12" Compacted Aggregate Base, No. 73

J. SAMUEL BALOG
REGISTERED
No. 10505104
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 02-10-2011 DATE

DESIGNED: MJM | DRAWN: MJM
CHECKED: JSB | CHECKED: JSB

CITY OF CARMEL

CONSTRUCTION DETAILS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION NO.
SURVEY BOOK	SHEETS
	28 of 116
CONTRACT	PROJECT NO.
	11-02

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LEFT	RIGHT	CROSS	OFFSET	SIZE	PIPE TYPE	DESCRIPTION: MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE: UP STREAM	FLOW LINE: DOWN STREAM	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	TYPE	FLOWABLE BACKFILL	TYPE	GEOTEXTILES	RIPRAP	TYPE	CONCRETE, CLASS A, FOR STRUCTURES	VIDEO INSPECTION	PIPE END SECTION	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EACH	SAFETY METAL END SECTION: TYPE	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EACH	CONNECT TO STR. NO.	REMARKS
					FT	in.			ft.		ft.	ELEV.	ELEV.	YR.				CYS.		CYS.		SYS.	TON		CYS.	LFT.	EACH	TYPE	SLOPE	EACH	TYPE	SLOPE	EACH		
Line "PR-A"																																				
260	57+50	x			40	12	RCP	Manhole C-4	146		4.0	906.15	905.40	75	N	7.0	1	79	1							146									257	
261	57+50	x				12	RCP	Catch Basin K-10	2		3.3	906.30	906.25	75	N	7.0	1	1	1							2									260	
262	57+50		x			12	RCP	Inlet J-10	67		3.1	906.55	906.35	75	N	7.0	1	29	1							67									261	
263	61+78	x				12	RCP	Inlet M-10	1		2.1	907.15	907.10	75	N	7.0	1	1	1							1									266	
264	61+78		x			12	RCP	Inlet M-10	1		2.1	907.15	907.10	75	N	7.0	1	1	1							1									267	
602	61+83	x			57			Relocate Existing Inlet																												
265	61+83	x			40	18	RCP	Manhole C-4	63		2.1	906.85	906.77	75	N	7.0	1	27	1							63									268	
266	61+83	x				15	RCP	Catch Basin K-10	2		2.1	906.90	906.85	75	N	7.0	1	1	1							2									265	
267	61+83		x			15	RCP	Inlet M-10	67		1.9	907.10	906.90	75	N	7.0	1	23	1							67									266	
268	62+50	x			40	24	RCP	Manhole C-4	171		2.0	906.76	906.42	75	N	7.0	1	103	1							171									271	
269	62+50	x				12	RCP	Catch Basin K-10	2		2.4	907.10	907.05	75	N	7.0	1	1	1							2									268	
270	62+50		x			12	RCP	Inlet M-10	67		2.1	907.35	907.15	75	N	7.0	1	21	1							67									269	
271	64+25	x			40	24	RCP	Manhole C-4	371		3.7	906.42	905.86	75	N	7.0	1	309	1							371									274	
272	64+25	x				12	RCP	Catch Basin K-10	2		2.9	908.05	908.00	75	N	7.0	1	1	1							2									271	
273	64+25		x			12	RCP	Inlet J-10	67		2.6	908.30	908.10	75	N	7.0	1	25	1							67									272	
274	68+00	x			40	24	RCP	Manhole C-4	96		4.7	905.86	905.71	75	N	7.0	1	89	1							96									277	
275	68+00	x				12	RCP	Catch Basin K-10	2		2.9	908.45	908.40	75	N	7.0	1	1	1							2									274	
276	68+00		x			12	RCP	Inlet J-10	67		2.6	908.75	908.55	75	N	7.0	1	25	1							67									275	
413	68+33	x			61			Relocate Existing Inlet																												
277	69+00	x			40			Existing Manhole																												Core Drill Existing Structure
Line "A"																																				
292	145+50	x			40			Existing Manhole																												Core Drill Existing Structure
293	145+50	x				12	RCP	Catch Basin K-10	2		2.9	907.30	907.25	75	N	7.0	1	1	1							2									292	
294	145+50		x			12	RCP	Inlet J-10	67		2.6	907.60	907.40	75	N	7.0	1	25	1							67									293	
296	146+48	x				12	RCP	Inlet M-10	1		2.7	907.20	907.15	75	N	7.0	1	1	1							1									299	
297	146+48		x			12	RCP	Inlet M-10	1		2.6	907.30	907.25	75	N	7.0	1	1	1							1									300	
298	146+53	x			40	18	RCP	Existing Manhole	63		3.4	906.50	906.14	75	N	7.0	1	37	1							63	1								Core Drill Existing Structure
299	146+53	x				12	RCP	Catch Basin K-10	2		3.0	906.90	906.85	75	N	7.0	1	1	1							2									298	
300	146+53		x			12	RCP	Inlet M-10	67		2.7	907.20	907.00	75	N	7.0	1	26	1							67									299	
622	146+53		x			12	RCP	Pipe End Section	13		2.1	908.10	907.80	75	N	7.0	1	4	1							13	1								300	
403	147+04			x		18	RCP	Pipe Culvert	146		1.0	907.58	906.97	75	N	7.0	1	37	1							146	2									

J. SAMUEL BALOG REGISTERED No. 10505104 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL J. Samuel Balog 02-10-2011
DESIGN ENGINEER DATE

DESIGNED: MJM DRAWN: MJM
CHECKED: JSB CHECKED: JSB

CITY OF CARMEL

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION NO.
SURVEY BOOK	SHEETS 53 of 116
CONTRACT	PROJECT NO. 11-02

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LEFT	RIGHT	CROSS	OFFSET (FT)	SIZE (in.)	PIPE TYPE	DESCRIPTION: MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH (ft.)	SKEW	COVER (ft.)	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	SERVICE LIFE (YR.)	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL (CYS.)	TYPE	FLOWABLE BACKFILL (CYS.)	TYPE	GEOTEXTILES (SYS.)	RIPRAP (TON)	TYPE	CONCRETE CLASS A FOR STRUCTURES (CYS.)	VIDEO INSPECTION (LFT.)	PIPE END SECTION (EACH)	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EACH	SAFETY METAL END SECTION: TYPE	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EACH	CONNECT TO STR. NO.	REMARKS
Line "A"																																			
404	147+08			x		18	RCP	Pipe Culvert	146		1.0	907.58	906.97	75	N	7.0	1	37	1							146	2								
302	147+50	x			40	15	RCP	Manhole C-4	63		4.1	906.50	906.30	75	N	7.0	1	39	1							63	1								
303	147+50	x				12	RCP	Catch Basin K-10	2		2.8	907.40	907.35	75	N	7.0	1	1	1							2								302	
304	147+50		x			12	RCP	Inlet M-10	67		2.6	907.60	907.40	75	N	7.0	1	25	1							67								303	
623	147+50		x			12	RCP	Pipe End Section	13		2.5	908.10	907.70	75	N	7.0	1	5	1							13	1							304	
610	149+25	x			50	12	RCP	Catch Basin E-7	6		1.2	907.65	907.55	75	N	7.0	1	3	1							6								306	
306	149+25	x			40	15	RCP	Manhole C-4	171		4.0	907.45	906.60	75	N	7.0	1	102	1							171								302	
307	149+25	x				12	RCP	Catch Basin K-10	2		2.6	908.50	908.45	75	N	7.0	1	1	1							2								306	
308	149+25		x			12	RCP	Catch Basin K-10	2		2.6	908.50	908.45	75	N	7.0	1	1	1							2								309	
309	149+25		x		40	12	RCP	Manhole C-4	64		3.0	908.35	908.00	75	N	7.0	1	29	1							64								310	
310	149+93		x		40	18	RCP	Manhole C-4	80		4.7	906.50	905.77	75	N	7.0	1	65	1							80								414	
414	149+93		x					Existing Inlet																											Core Drill Existing Structure
311	151+00	x			40	15	RCP	Manhole C-4	171		3.7	908.70	907.55	75	N	7.0	1	97	1							171								306	
312	151+00	x				12	RCP	Catch Basin K-10	2		2.6	909.35	909.30	75	N	7.0	1	1	1							2								311	
313	151+00		x			12	RCP	Catch Basin K-10	2		2.6	909.35	909.30	75	N	7.0	1	1	1							2								314	
314	151+00		x		40	15	RCP	Manhole C-4	103		3.2	908.70	908.20	75	N	7.0	1	51	1							103								310	
605	152+36	x						Existing Inlet																											Adjust Casting to Grade
315	152+75	x			40	15	RCP	Manhole C-4	171		3.6	909.65	908.80	75	N	7.0	1	92	1							171								311	
316	152+75	x				12	RCP	Catch Basin K-10	2		2.6	910.25	910.20	75	N	7.0	1	1	1							2								315	
317	152+75		x			12	RCP	Catch Basin K-10	2		2.6	910.25	910.20	75	N	7.0	1	1	1							2								318	
318	152+75		x		40	15	RCP	Manhole C-4	171		3.2	909.65	908.80	75	N	7.0	1	86	1							171								314	
319	154+50	x			40	12	RCP	Manhole C-4	171		3.2	910.80	909.75	75	N	7.0	1	79	1							171								315	
320	154+50	x				12	RCP	Catch Basin K-10	2		2.6	911.10	911.05	75	N	7.0	1	1	1							2								319	
321	154+50		x			12	RCP	Catch Basin K-10	2		2.6	911.10	911.05	75	N	7.0	1	1	1							2								322	
322	154+50		x		40	15	RCP	Manhole C-4	171		2.9	910.80	909.75	75	N	7.0	1	82	1							171								318	
323	156+50	x			40	12	RCP	Manhole C-4	196		3.1	911.90	910.90	75	N	7.0	1	81	1							196								319	
324	156+50	x				12	RCP	Catch Basin K-10	2		2.6	912.10	912.05	75	N	7.0	1	1	1							2								323	
325	156+50		x			12	RCP	Catch Basin K-10	2		2.6	912.10	912.05	75	N	7.0	1	1	1							2								326	
326	156+50		x		40	12	RCP	Manhole C-4	196		3.1	911.90	910.90	75	N	7.0	1	81	1							196								322	
328	160+00	x				12	RCP	Inlet M-10	67		2.0	912.70	912.50	75	N	7.0	1	21	1							67								329	
329	160+00		x			12	RCP	Catch Basin K-10	2		2.3	912.50	912.45	75	N	7.0	1	1	1							2								330	

I. SAMUEL BALOG
REGISTERED
No. 10505104
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL I. Samuel Balog 02-10-2011
DESIGN ENGINEER DATE

DESIGNED: MJM DRAWN: MJM
CHECKED: JSB CHECKED: JSB

CITY OF CARMEL

STRUCTURE DATA TABLE

HORIZONTAL SCALE | BRIDGE FILE
VERTICAL SCALE | DESIGNATION NO.
SURVEY BOOK | SHEETS: 54 of 116
CONTRACT | PROJECT NO.: 11-02

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LEFT	RIGHT	CROSS	OFFSET (FT)	SIZE (in.)	PIPE TYPE	DESCRIPTION: MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH (ft.)	SKEW	COVER (ft.)	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	SERVICE LIFE (YR.)	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL (CYS.)	TYPE	FLOWABLE BACKFILL (CYS.)	TYPE	GEOTEXTILES (SYS.)	RIPRAP (TON)	TYPE	CONCRETE, CLASS A, FOR STRUCTURES (CYS.)	VIDEO INSPECTION (LFT.)	PIPE END SECTION (EACH)	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EACH	SAFETY METAL END SECTION: TYPE	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EACH	CONNECT TO STR. NO.	REMARKS
Line "A"																																			
330	160+00		x		40	12	RCB	Manhole C-4	126		2.9	912.45	911.80	75	N	7.0	1	49	1							126								701	
331	161+25	x				12	RCP	Inlet M-10	1		2.0	912.35	912.30	75	N	7.0	1	1	1							1								333	
332	161+25		x			12	RCP	Inlet M-10	1		2.0	912.35	912.30	75	N	7.0	1	1	1							1								334	
333	161+30	x				12	RCP	Inlet M-10	67		2.1	912.30	912.10	75	N	7.0	1	21	1							67								334	
334	161+30		x			12	RCP	Catch Basin K-10	2		2.4	912.05	912.00	75	N	7.0	1	1	1							2								701	
701	161+30		x		40	15	RCP	Manhole C-4	431		4.8	909.65	907.50	75	N	7.0	2	431	1							431								702	
702	161+30		x		475	15	RCP	Manhole C-4	44		7.2	907.40	907.00	75	N	7.0	1	53	1							44	1								
606	161+70	x			55	36	RCB	Manhole J-4	104		4.1	908.64	908.33	75	N	7.0	1	128	1							104								607	
607	161+70		x		55			Manhole J-4																											
336	162+50	x				12	RCP	Inlet M-10	67		2.1	912.70	912.50	75	N	7.0	1	21	1							67								337	
337	162+50		x			12	RCP	Catch Basin K-10	2		2.4	912.50	912.45	75	N	7.0	1	1	1							2								338	
338	162+50		x		40	15	RCP	Manhole C-4	116		2.3	912.45	912.10	75	N	7.0	1	46	1							116								701	
339	164+20	x				12	RCP	Inlet M-10	67		2.4	913.45	913.25	75	N	7.0	1	24	1							67								340	
340	164+20		x			12	RCP	Catch Basin K-10	2		2.6	913.25	913.20	75	N	7.0	1	1	1							2								341	
341	164+20		x		40	12	RCP	Manhole C-4	166		2.7	913.20	912.70	75	N	7.0	1	64	1							166								338	
405	164+30			x		5'x2'	RCB	Box Culvert	117		1.0	913.37	912.39	75	N	7.0	1	71	2							117									
621	141+95		x			12	RCP	Pipe Culvert	20		1.0	909.90	909.80	75	N	7.0	1										2									

N. SAMUEL BALOG REGISTERED No. 10505104 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: N. Samuel Balog — DESIGN ENGINEER — 02-10-2011 DATE

DESIGNED: MJM | DRAWN: MJM | CHECKED: JSB | CHECKED: JSB

CITY OF CARMEL

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION NO.
SURVEY BOOK	SHEETS: 55 of 116
CONTRACT	PROJECT NO.: 11-02