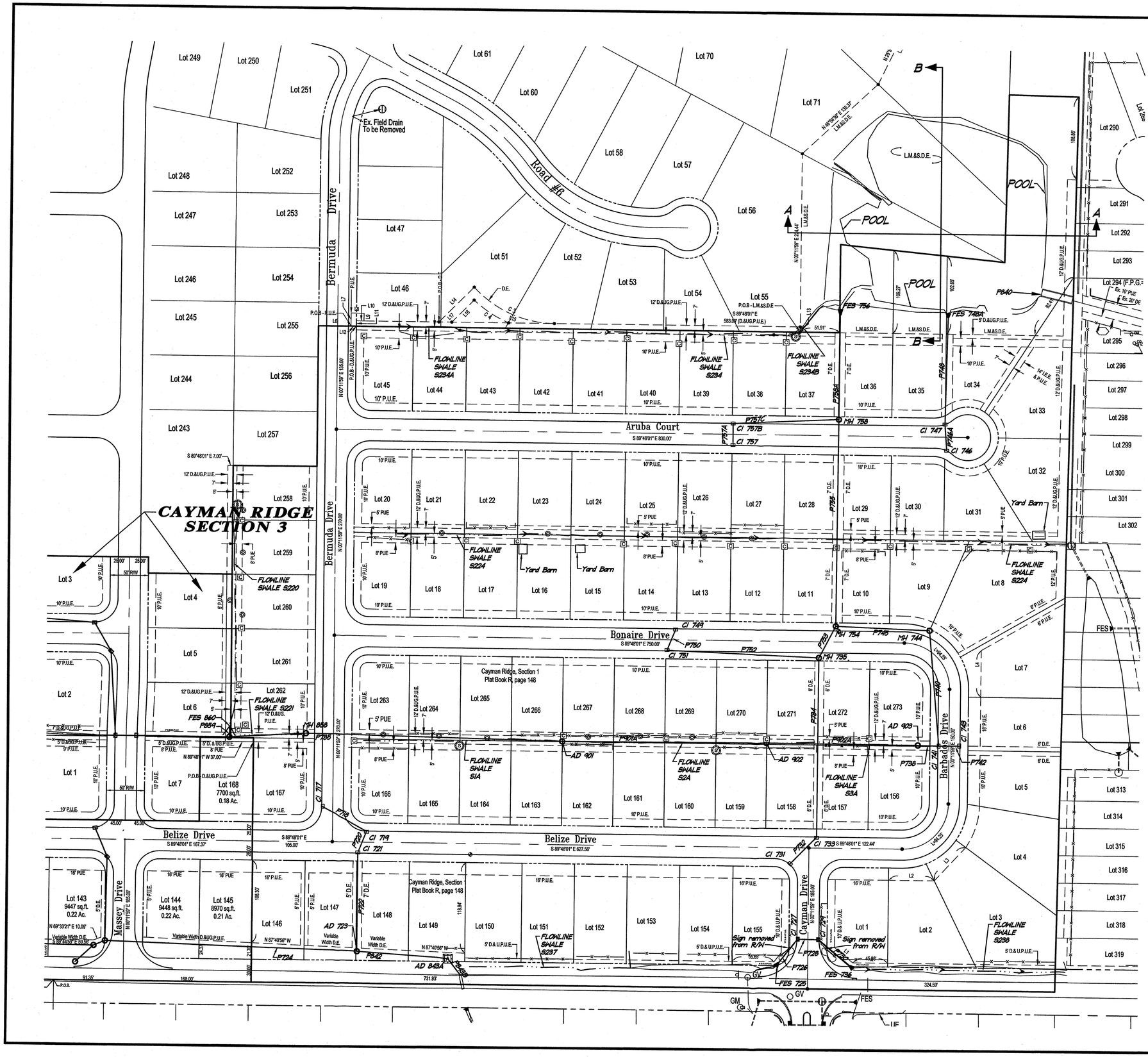

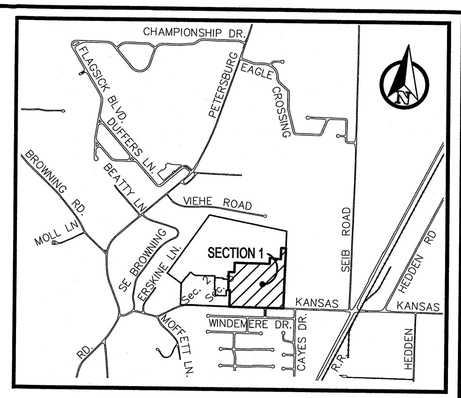

Location Map
No Scale

SCALE 1" = 60'

60 0 60 120

Legend

(R) – Record
(M) – Measured
(C) – Calculated
L.M.&S.D. Easement – Lake Maintenance & Storm Drainage Easement
R/W – Right-of-Way
B.S.L. – Building Setback Line
TOB – Swale Top of Bank
TOS – Swale Toe of Slope
Curb Inlet
Storm Pipe w/ FES
Storm Manhole / Area Drain
Swale Flowline

I, Bethany S. Hopf, certify and affirm that the completed storm water drainage system for this project is in general compliance with the Final Drainage Plan as approved by the Vanderburgh County Drainage Board, except as listed below:

1. P 842 was extended, FES 843 was not installed, AD 843A was installed and P 843B was connected to an existing culvert under Kansas Road.
2. The drainage basin was not installed to the designed cross sections

Bethany S Hopf 8-21-14
Signature

PE 11100056
Indiana Registration Number

NOTE:
The fences that are located within the drainage easements will be removed and relocated by the developer or encroachment agreements will be provided by the lot owners for any fences that are not moved. There is also a yard barn in the drainage easement on Lot 32. This yard barn will be moved out of the easement or an encroachment agreement will be provided. This work is yet to be completed. A re-inspection will be requested upon completion of the work.

Engineering
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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors and suppliers shall verify all dimensions and conditions on the job and Morley and Associates, Inc. shall be notified of any variations from the dimensions and conditions shown by these drawings.

Electronic files are provided for convenience only. Only the signed and sealed hard copy drawings, the hard copy shall govern.

Revisions

No.	By	Date	Description

BETHANY SUZANNE HOPF
REGISTERED
No. 11100056
STATE OF INDIANA
PROFESSIONAL ENGINEER

Bethany S Hopf 8-21-14

Project / Client:
Cayman Ridge
Baywood Development, LLC

Sheet Title:
Record - Section 1 Drainage Plan

Scale: 1" = 60'

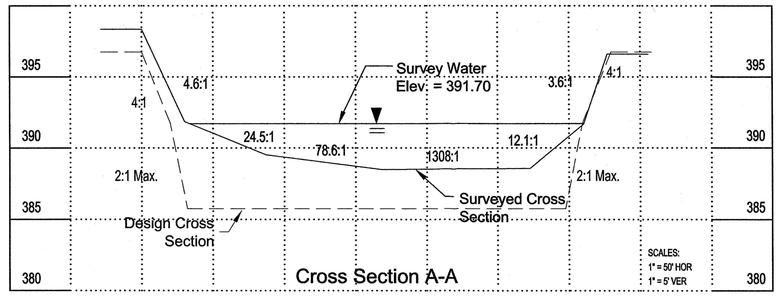
Designed By: BSH	Job Number: 5811-4(B)
Drawn By: BSH	Date: 08-21-2014

Filename: J:\5811\Surveying\5811 Survey Base-2013.dwg

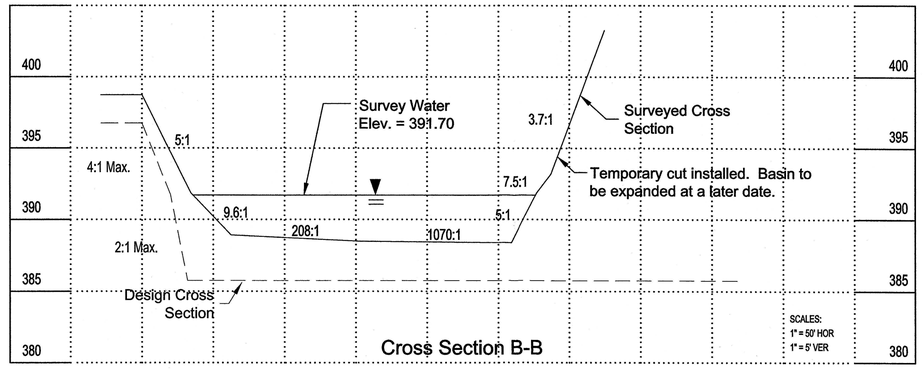
Sheet Number:
C-3 Rec-Storm Sec. 1
Sheet : 1 of 2

STORM–STRUCTURE DATA TABLE

STRUCTURE NUMBER	SIZE	DESCRIPTION	LENGTH	FLOW LINE		SLOPE	Rim = AD Rim = MH FG = CI IE = FES
				UP STREAM	DOWN STREAM		
	in.		ft.	Elev.	Elev.	%	Elev.
CI 717	–	Curb Inlet	–	408.70	408.70	–	411.01
P 718	12	R.C.P. CL. III	68.13	408.70	407.63	1.57	–
CI 719	–	Curb Inlet	–	407.63	407.63	–	410.68
P 720	15	R.C.P. CL. III	30.33	407.63	407.53	0.33	–
CI 721	–	Curb Inlet	–	407.53	407.50	–	411.00
P 722	15	R.C.P. CL. III	128.86	407.50	404.59	2.34	–
AD 723	–	Area Drain	–	404.59 (N) 404.48 (W)	404.34	–	409.19
P 724	24	R.C.P. CL. III	332.03	410.32	404.48	1.76	–
FES 725	12	Flared End Section	6.07	398.36	398.27	1.53	398.36
P 726	12	R.C.P. CL. III	39.65	398.27	397.66	1.53	–
CI 727	–	Curb Inlet	–	397.66	397.66	–	399.70
P 728	12	R.C.P. CL. III	27.57	397.66	397.25	1.49	–
CI 729	–	Curb Inlet	–	397.25	397.09	–	399.43
P 730	15	R.C.P. CL. III	53.19	397.09	396.86	.044	–
CI 731	–	Curb Inlet	–	398.30	398.30	–	400.53
P 732	12	R.C.P. CL. III	49.72	398.30	398.02	0.56	–
CI 733	–	Curb Inlet	–	398.02	398.01	–	400.46
P 734	15	R.C.P. CL. III	234.82	398.01	394.56	1.46	–
MH 735	–	Manhole	–	394.56	394.46	–	400.75
FES 736	15	Flared End Section	6.08	396.86	396.83	0.44	396.83
P 738	24	R.C.P. CL. III	32.54	395.17	394.26	2.80	–
P 740	30	R.C.P. CL. III	151.49	394.26	393.74	0.34	–
CI 741	–	Curb Inlet	–	394.26	394.26	–	398.22
P 742	12	R.C.P. CL. III	27.47	395.66	394.26	5.10	–
CI 743	–	Curb Inlet	–	395.66	395.66	–	398.03
MH 744	–	Manhole	–	393.74	393.74	–	399.52
P 745	30	R.C.P. CL. III	123.25	393.74	393.21	0.43	–
CI 746	–	Curb Inlet	–	393.74	393.74	–	396.34
P 746A	12	R.C.P. CL. III	34.31	393.74	393.60	0.41	–
CI 747	–	Curb Inlet	–	393.60	393.60	–	396.25
P 748	15	R.C.P. CL. III	140.16	393.60	391.82	1.27	–
FES 748A	15	Flared End Section	6.08	391.82	391.74	1.27	391.74
CI 749	–	Curb Inlet	–	402.33	402.33	–	404.94
P 750	12	R.C.P. CL. III	29.92	402.33	401.60	2.44	–
CI 751	–	Curb Inlet	–	401.60	401.55	–	405.25
P 752	15	R.C.P. CL. III	200.39	401.55	394.46	3.54	–
P 753	18	R.C.P. CL. III	46.96	394.46	393.21	2.66	–
MH 754	–	Manhole	–	393.13	393.03	–	399.83
P 755	36	R.C.P. CL. III	270.82	393.21	392.33	0.32	–
FES 756	36	Flared End Section	8.15	391.79	391.76	0.35	391.76
CI 757	–	Curb Inlet	–	400.02	400.02	–	404.75
P 757A	12	R.C.P. CL. III	28.06	400.02	399.81	0.75	–
CI 757B	–	Curb Inlet	–	399.81	399.68	–	404.56
P 757C	15	R.C.P. CL. III	139.49	399.68	392.46	5.18	–
MH 758	–	Manhole	–	392.46 (W) 392.33 (S)	392.27	–	399.76
P 758A	36	R.C.P. CL. III	136.61	392.27	391.79	0.35	–
P 785	24	R.C.P. CL. III	337.82	410.49	404.27	1.84	–
P 842	36	HDPE	120.11	404.34	404.21	0.11	–
AD 843A	–	Area Drain	–	404.21	404.08	–	409.46
P 843B	48	R.C.P. CL III	27.98	404.08	401.48	9.29	–
P 857	24	R.C.P. CL. III	100.65	411.20	410.52	0.77	–
MH 858	–	Manhole	–	410.52	410.49	–	414.63
AD 856	–	Area Drain	–	411.26	411.20	–	414.68
P 859	12	R.C.P. CL. III	7.74	411.81	411.26	7.10	–
FES 860	12	Flared End Section	6.07	412.24	411.81	7.10	412.24
AD 901	–	Area Drain	–	404.27	404.22	–	407.22
P 901A	24	R.C.P. CL. III	268.89	404.22	399.07	1.92	–
AD 902	–	Area Drain	–	399.07	399.07	–	402.01
P 902A	24	R.C.P. CL. III	198.84	399.07	395.22	1.94	–
AD 903	–	Area Drain	–	395.22	395.17	–	398.37
P 840	4'x8'	BOX CULVERT	41.00	391.86	391.67	0.46	–



Cross Section A-A



Cross Section B-B

DRAINAGE–SWALE DATA TABLE

SWALE NUMBER	UP STREAM STRUC.	DOWN STREAM STRUC.	LENGTH	DEPTH	FLOW LINE		SLOPE	CONCRETE RIBBON
					UP STREAM	DOWN STREAM		
			Ft.	Ft.	Elev.	Elev.	%	
S1A	–	AD901	260.73	1.00	413.17	407.22	2.28	No
S2A	AD901	AD902	268.98	1.00	407.22	402.01	1.94	No
S3A	AD902	AD903	197.83	1.00	402.01	398.37	1.84	No
S219	–	FES860	102.21	1.00	417.27	412.74	4.43	No
S220	–	FES860	294.07	1.00	423.28	412.24	3.75	No
S221	–	FES860	102.08	1.00	414.63	412.24	2.34	No
S224	–	EX. A.D.	879.55	1.00	420.99	395.20	2.93	No
S234A	–	–	79.46	1.00	413.94	412.16	2.24	No
S234	–	–	413.39	1.00	412.16	399.23	3.13	No
S234B	–	Basin	106.53	1.00	399.23	391.86	6.92	No
S237	–	FES725	404.07	1.00	408.68	398.36	2.55	No
S238	FES736	–	269.47	1.00	396.83	394.17	0.99	No

I, Bethany S. Hopf, certify and affirm that the completed storm water drainage system for this project is in general compliance with the Final Drainage Plan as approved by the Vanderburgh County Drainage Board, except as listed below:

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2. The drainage basin was not installed to the designed cross sections

Bethany Hopf 8-21-14

Signature

PE 11100056

Indiana Registration Number

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Revisions

No.	By	Date	Description

BETHANY SUZANNE HOPF
REGISTERED
No. 11100056
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Bethany Hopf 8-21-14

Project / Client: Cayman Ridge
Baywood Development. LLC

Sheet Title: **Record - Section 1 Cross Sections And Structure Data Tables**

Scale: 1" = 60'

Designed By: BSH	Job Number: 5811-4(B)
Drawn By: BSH	Date: 08-21-2014

Filename: J:\5811\Surveying\5811 Survey Base-2013.dwg

Sheet Number: **C-3** Rec-Storm Sec. 1

Sheet : 2 of 2