

STORM SEWER STRUCTURE DATA TABLE						
Structure Number	Size	Description	Length	Invert In	Invert Out	Rim = AD/MH FG = CI IE = FES
CI #500	24" x 36" Box					
P-501	12"	R.C.P. Cl. III	26	461.17	460.86	1.19
CI #502	24" x 36" Box					463.55
P-503	15"	R.C.P. Cl. III	288	460.86	450.64	3.55
AD #504	30" x 30" Box					453.15
P-505	15"	R.C.P. Cl. III	270	450.64	434.55	5.96
CI #506	24" x 36" Box					437.28
CI #508	12"	R.C.P. Cl. III	26	435.03	434.38	2.50
P-509	18"	R.C.P. Cl. III	152	431.84	423.65	5.39
CI #510	24" x 36" Box					426.42
P-511	18"	R.C.P. Cl. III	32	423.65	421.92	5.40
CI #512	24" x 36" Box					424.90
P-513	18"	R.C.P. Cl. III	70	421.92	418.13	5.41
MH #514	30" x 30" Box					423.22

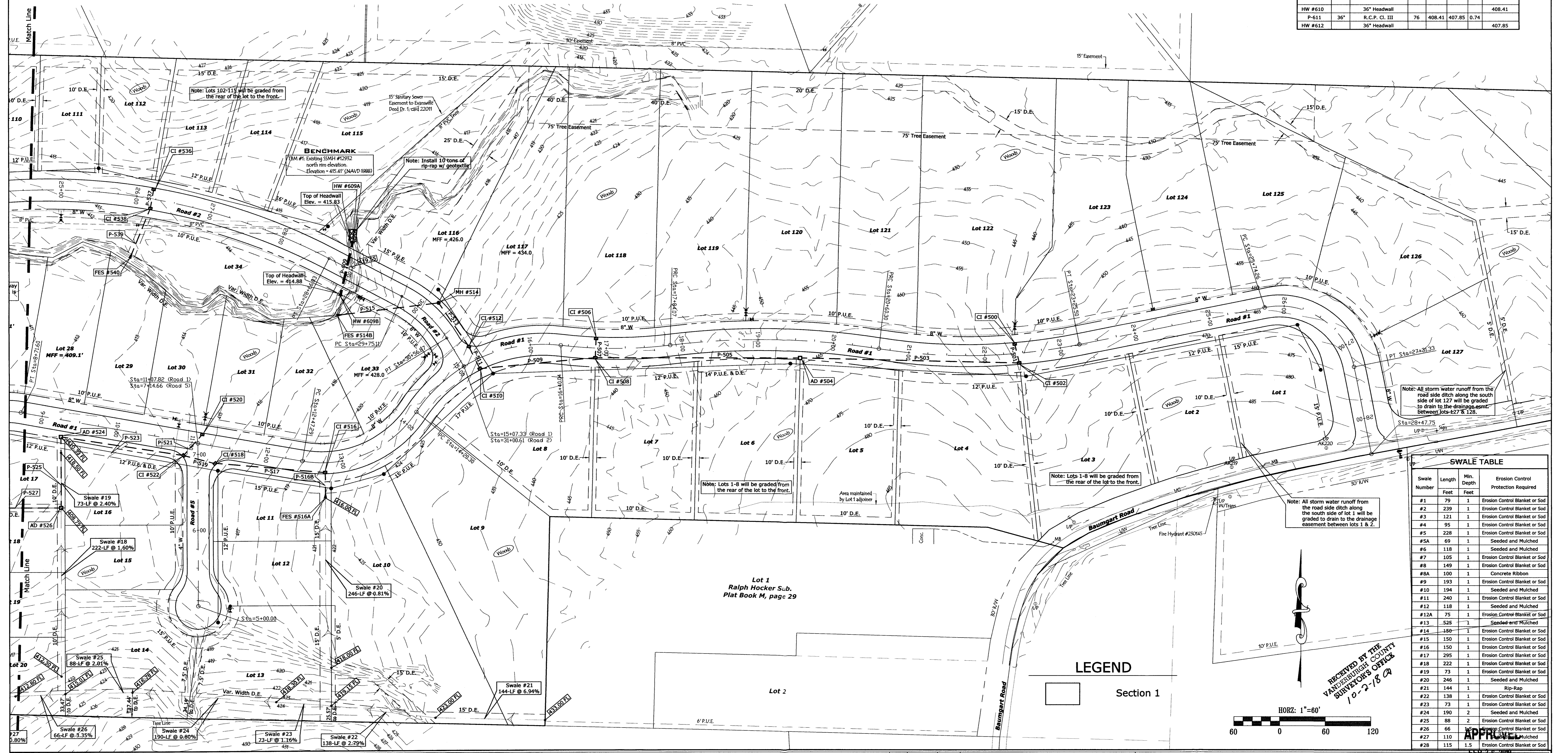
P-515	18"	R.C.P. Cl. III	129	418.13	411.13	5.43
FES #514B	18"	End Section				410.80
FES #516A	15"	End Section				416.17
P-516B	15"	R.C.P. Cl. III	28	416.09	415.71	1.35
CI #516	24" x 36" Box					419.14
P-517	15"	R.C.P. Cl. III	148	415.71	411.79	2.70
CI #518	24" x 36" Box					414.54
P-519	15"	R.C.P. Cl. III	43	411.79	410.33	3.40
CI #520	24" x 36" Box					414.77
P-521	12"	R.C.P. Cl. III	37	412.52	411.78	2.00
CI #522	24" x 36" Box					414.17
P-523	18"	R.C.P. Cl. III	161	410.33	407.08	2.02
AD #524	30" x 30" Box					410.50
P-525	18"	R.C.P. Cl. III	73	407.08	404.92	2.96
AD #526	30" x 30" Box					408.75
P-527	24"	R.C.P. Cl. III	133	404.92	404.04	0.66
MH #528	36" x 36" Box					407.85
P-529	24"	R.C.P. Cl. III	29	404.04	403.82	0.76
Double CI #530	24" x 74" Box					407.14

P-531	24"	R.C.P. Cl. III	26	403.82	403.29	2.04
Double CI #532	24" x 74" Box					407.14
P-533	30"	R.C.P. Cl. III	186	403.29	402.60	0.37
HW #534	30"	Headwall				402.60
CI #536	24" x 36" Box					415.54
P-537	12"	R.C.P. Cl. III	26	413.29	412.66	2.42
CI #538	24" x 36" Box					415.54
P-539	12"	R.C.P. Cl. III	65	412.66	408.39	6.56
FES #540	12"	End Section				408.00
CI #542	24" x 36" Box					411.54
P-543	15"	R.C.P. Cl. III	26	409.04	408.18	3.31
CI #544	24" x 36" Box					411.54
P-545	15"	R.C.P. Cl. III	24	408.18	407.22	4.00
FES #546	15"	End Section				406.98
CI #548	24" x 36" Box					408.21
P-549	12"	R.C.P. Cl. III	26	405.96	405.40	2.15
CI #550	24" x 36" Box					408.21
P-551	18"	R.C.P. Cl. III	157	405.40	403.30	1.34

AD #552A	30" x 30" Box					406.00
P-552B	12"	R.C.P. Cl. III	75	403.75	403.30	0.60
AD #552	30" x 30" Box					407.20
P-553	18"	R.C.P. Cl. III	147	403.30	401.02	1.55
CI #554	24" x 36" Box					405.74
P-555	24"	R.C.P. Cl. III	26	401.02	400.82	0.77
CI #556	24" x 36" Box					405.74
P-557	24"	R.C.P. Cl. III	157	400.82	397.58	2.06
AD #558	30" x 30" Box					401.00
P-559	24"	R.C.P. Cl. III	147	397.58	395.70	1.28
CI #560	24" x 36" Box					399.54
P-561	24"	R.C.P. Cl. III	26	395.70	395.32	1.46
CI #562	30" x 46" Box					399.54
P-563	24"	R.C.P. Cl. III	75	395.32	394.06	1.68
MH #564	48" x 48" Box					401.10
P-565	30"	R.C.P. Cl. III	164	394.06	393.19	0.53
AD #566	48" x 48" Box					397.82
P-567	30"	R.C.P. Cl. III	152	393.19	392.36	0.55
HW #568	30"	Headwall				392.36

CI #572	24" x 36" Box					404.88
P-573	12"	R.C.P. Cl. III	217	402.63	398.91	1.71
CI #574	24" x 36" Box					402.11
P-575	15"	R.C.P. Cl. III	27	399.61	398.91	2.61
CI #576	24" x 36" Box					402.19
P-577	18"	R.C.P. Cl. III	172	398.91	396.84	1.20
AD #578	30" x 30" Box					400.80
P-579	18"	R.C.P. Cl. III	296	396.84	392.40	1.50
AD #580	30" x 30" Box					395.41
P-581	18"	R.C.P. Cl. III	15	392.40	391.97	2.86
FES #582	18"	End Section				391.80
CI #584	24" x 36" Box					401.15
P-585	12"	R.C.P. Cl. III	31	398.90	398.18	2.32
CI #586	24" x 36" Box					400.41
P-587	12"	R.C.P. Cl. III	237	398.18	393.25	2.08
CI #588	24" x 36" Box					395.90
P-589	15"	R.C.P. Cl. III	169	393.25	391.85	0.83
FES #590	15"	End Section				391.80

CI #592	24" x 36" Box					405.35
P-593	12"	R.C.P. Cl. III	26	403.10	402.84	1.00
CI #594	24" x 36" Box					405.35
P-595	15"	R.C.P. Cl. III	185	402.84	400.07	1.50
FES #596	15"	End Section				399.98
CI #598	24" x 36" Box					399.04
P-599	12"	R.C.P. Cl. III	96	396.54	392.84	3.85
FES #600	12"	End Section				392.61
FES #602	15"	End Section				391.80
P-603	15"	R.C.P. Cl. III	37	391.58	390.22	3.67
FES #604	15"	End Section				390.00
FES #606	18"	End Section				402.60
P-607	18"	R.C.P. Cl. III	33	402.52	402.08	1.33
FES #608	18"	End Section				402.00
HW #609A	60"	Headwall				409.70
P-609	60"	R.C.P. Cl. III	74	409.70	408.75	1.28
HW #609B	60"	Headwall				408.75
HW #610	36"	Headwall				408.41
P-611	36"	R.C.P. Cl. III	76	408.41	407.85	0.74
HW #612	36"	Headwall				407.85



Swale Number	Length	Min. Depth	Erosion Control Protection Required
#1	79	1	Erosion Control Blanket or Sod
#2	239	1	Erosion Control Blanket or Sod
#3	121	1	Erosion Control Blanket or Sod
#4	95	1	Erosion Control Blanket or Sod
#5	228	1	Erosion Control Blanket or Sod
#5A	69	1	Seeded and Mulched
#6	118	1	Seeded and Mulched
#7	105	1	Erosion Control Blanket or Sod
#8	149	1	Erosion Control Blanket or Sod
#8A	100	1	Concrete Ribbon
#9	193	1	Erosion Control Blanket or Sod
#10	194	1	Seeded and Mulched
#11	240	1	Erosion Control Blanket or Sod
#12	118	1	Seeded and Mulched
#12A	75	1	Erosion Control Blanket or Sod
#13	525	1	Seeded and Mulched
#14	150	1	Erosion Control Blanket or Sod
#15	150	1	Erosion Control Blanket or Sod
#16	150	1	Erosion Control Blanket or Sod
#17	295	1	Erosion Control Blanket or Sod
#18	222	1	Erosion Control Blanket or Sod
#19	73	1	Erosion Control Blanket or Sod
#20	246	1	Seeded and Mulched
#21	144	1	Rip-Rap
#22	138	1	Erosion Control Blanket or Sod
#23	73	1	Erosion Control Blanket or Sod
#24	190	2	Seeded and Mulched
#25	88	2	Erosion Control Blanket or Sod
#26	66	2	Erosion Control Blanket or Sod
#27	110	1.5	Seeded and Mulched
#28	115	1.5	Erosion Control Blanket or Sod

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Written dimensions shown hereon shall take precedence over scaled dimensions. Contractors shall calculate and measure required dimensions. Notify Cash Waggoner & Associates, PC with any variations in dimensions or conditions from those indicated on these drawings. This drawing was based on available information. Commencement of work constitutes verification and acceptance of existing conditions.

Application of a material or equipment to work installed by others constitutes acceptance of that work and assumption of responsibility for satisfactory installation.

CASH WAGGONER & ASSOCIATES, PC
 REGISTERED PROFESSIONAL ENGINEER
 No. PE10403870
 STATE OF INDIANA
 SIGNATURE: *[Signature]* DATE: 2 Oct 18

CASH WAGGONER & ASSOCIATES, PC
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NO.	DATE	BY	DESCRIPTION
1	12.21.17	G.A.M.	Revised storm sewer layout and elevations; revised swale elevations
2	12.28.17	G.A.M.	Changed P-609 & P-611 pipe size; added headwalls 609A, 609B, 610 & 612
3	08.15.18	G.A.M.	Revised storm sewer invert elevations
4	09.12.18	G.A.M.	Added tree easement on Lots 121-125; revised P-609 alignment & added rip-rap at HW #609A; added surface overflow spillway between lots 24 & 25
5	10.02.18	G.A.M.	Added notes for road side ditch grading on lots 1 and 127

PROJECT NO.: 15-2184
 DESIGNED BY: G.A.M.
 DRAWN BY: A.W.W.
 FILENAME: 2184 BASE
 LAYOUT TAB: Drainage
 SCALE: As Shown

PROJECT: SADDLE CREEK ESTATES - Sect. 1 & 2
 ADDRESS: BAUMGART ROAD
 EVANSVILLE, INDIANA
DRAINAGE PLAN SHEET 2

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