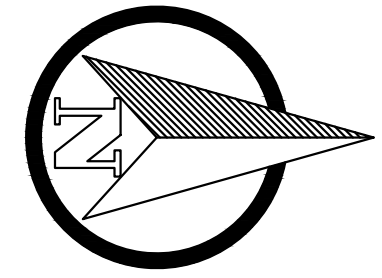


Sub-basin	Area (S.F.)	Structures (S.F.)	Pavement (S.F.)	Lawn (2-7%) (S.F.)	Sheet Flow L (ft)	Sheet Flow H (ft)	Open Channel Flow L	Open Channel Flow H	Sub-basin	Area (ac.)	Weighted C	Weighted N	Sheet Flow S (%)	Open Channel S (%)	Sheet Flow tc (minutes)	Open Channel tc (minutes)	Sum tc (minutes) (min 5.0)	I(25) (in/hr)	Q(25) (CFS)
1	65,400	26,160		39,240	60.0	1.00	640.0	5.20	1	1.50	0.54	0.37	1.67%	0.81%	9.16	5.73	14.89	5.05	4.11
2	56,900	22,760		34,140	75.0	1.25	380.0	3.10	2	1.31	0.54	0.37	1.67%	0.82%	10.17	3.39	13.56	5.29	3.75
3	30,300	12,120		18,180	65.0	1.10	280.0	2.20	3	0.70	0.54	0.37	1.69%	0.79%	9.48	2.55	12.02	5.56	2.10
4	101,300	30,390	10,130	60,780	65.0	1.10	530.0	4.30	4	2.33	0.54	0.37	1.69%	0.81%	9.48	4.75	14.22	5.17	6.47
5	95,900	28,770	9,590	57,540	65.0	1.20	540.0	4.30	5	2.20	0.54	0.37	1.85%	0.80%	9.29	4.88	14.17	5.18	6.14
6	87,900	35,160		52,740	60.0	1.00	1200.0	9.60	6	2.02	0.54	0.37	1.67%	0.80%	9.16	10.82	19.98	4.57	5.00

Swale no.	Subbasin no.	Q(25) cfs	Channel Capacity (cfs)	Full Depth Velocity (ft/s)	% of Capacity	Slope (ft/ft)	Slope (%)	Length (ft)	Channel Depth (ft)	Bottom Width (ft)	Wetted Perimeter (ft)	Area (ft ²)	Hydraulic Radius (ft)	Hydraulic Depth (ft)
1	4.11	8.73	2.44	0.47	0.008	0.80	-	0.67	2.00	8.83	3.58	0.41	0.41	
2	3.75	8.73	2.44	0.43	0.008	0.80	-	0.67	2.00	8.83	3.58	0.41	0.41	
3	2.10	8.73	2.44	0.24	0.008	0.80	-	0.67	2.00	8.83	3.58	0.41	0.41	
4	6.47	8.73	2.44	0.74	0.008	0.80	-	0.67	2.00	8.83	3.58	0.41	0.41	
5	6.14	8.73	2.44	0.70	0.008	0.80	-	0.67	2.00	8.83	3.58	0.41	0.41	
6	5.00	8.73	2.44	0.57	0.008	0.80	-	0.67	2.00	8.83	3.58	0.41	0.41	



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4800 Rosebud Lane
Naperville, IL 60563
(630) 464-9885
www.morleyandassociates.com

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No.	By	Date	Description

Project Owner: Blue Heron Development, LLC
Blue Heron Estates

Sheet Title: **Subbasins for Swale Capacity Check**

Scale: 1" = 100'

Designed By: JEM	Job Number: 5911.4.001B
Drawn By: JAE	Date: 10-4-2016
Filename: 5911 2015 Swales As-Builts	
Sheet Number:	