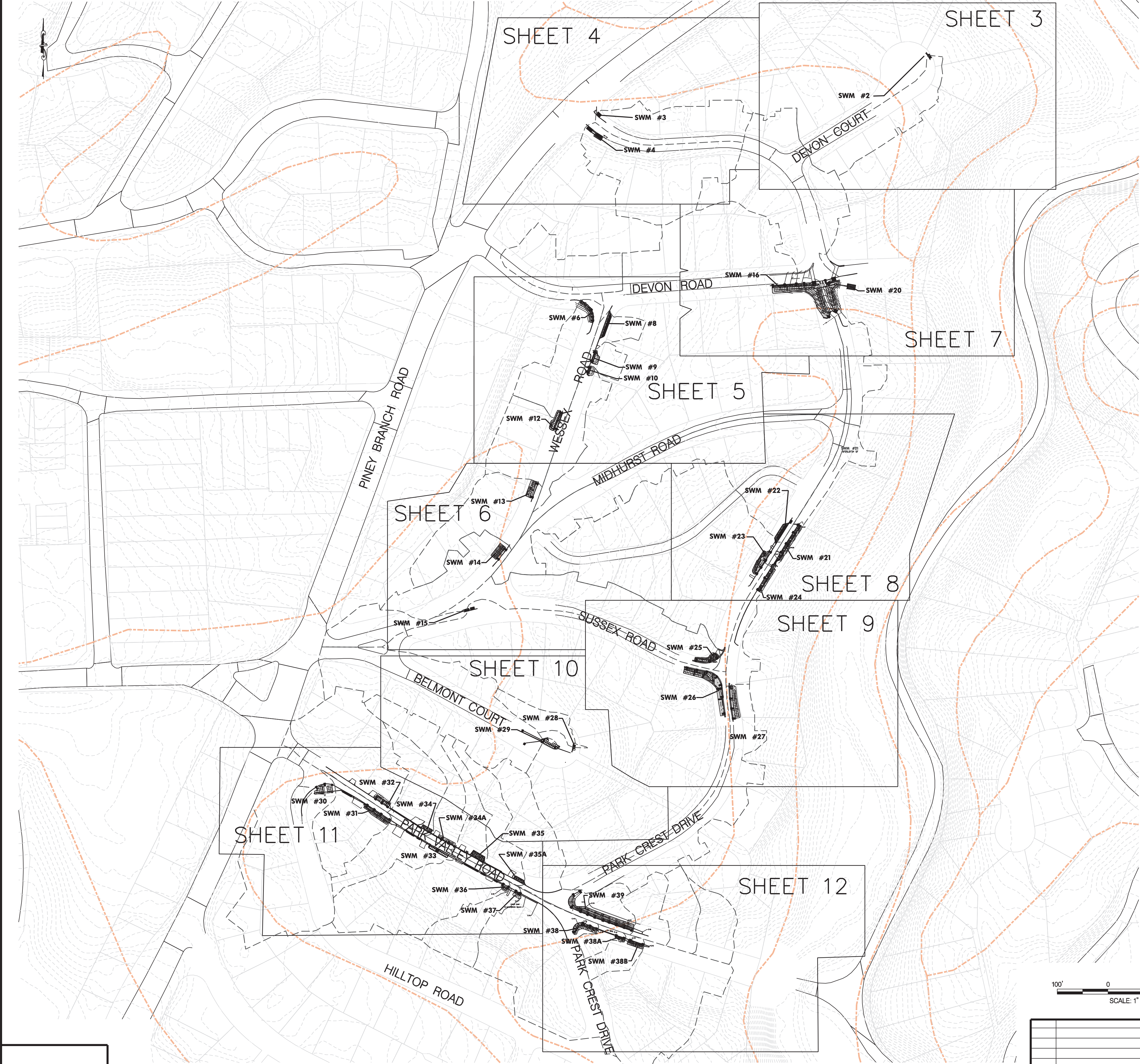


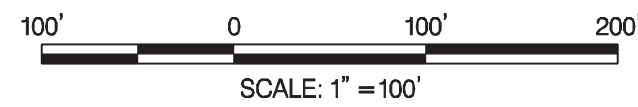


Sligo Park Hills LID Site Summary										Treatment Required by ESD		Proposed Treatment	
LID #	DA (ac)	% Impervious	Impervious Area (ac)	WQ ₂ (cf)	P ₁ (in)	ESD ₂ (cf)	Volume Treated (cf)	PE (in)	Type of Facility Proposed				
2	0.47	39.0%	0.19	690.58	1.80	1243	460	0.7	8' x 4' Filterra				
3	0.47	37.3%	0.17	654.26	1.80	1178	1178	1.8	8'x6' Filterra with connection to Ex. SHA Inlet				
4	0.83	30.8%	0.25	980.00	1.80	1764	1764	1.8	12'x6' Filterra with 12' X 6' STONE TRENCH				
6	0.42	38.8%	0.16	612.61	1.80	1103	762	1.2	2' WIDE SWALE, 4.0' STONE AND MEDIA, 48 UNIT RAINSTORE				
8	0.10	36.8%	0.04	143.21	1.80	258	293	2.0	56'x7' Parking Pad				
9	0.09	48.3%	0.04	150.99	1.80	272	321	2.1	Bioretention, 4.0' media and stone				
10	0.26	38.5%	0.10	373.89	1.80	673	335	0.9	Bioretention, 4.0' media and stone				
12	0.40	30.4%	0.12	469.12	1.60	751	734	1.6	Bioswale, 4.0' media and stone with 52 unit rainstore				
13	0.54	27.6%	0.15	583.64	1.60	934	690	1.2	Bioswale, 4.0' media and stone with 48 unit rainstore				
14	0.41	37.6%	0.15	579.40	1.80	1043	672	1.2	Bioswale, 4.0' media and stone with 64 unit rainstore				
15	0.27	54.1%	0.15	526.94	1.80	948	527	1.0	8'x4' Filterra with 8'x4' Stone Trench				
16	4.12	33.4%	1.38	5244.39	1.80	9440	4441	0.85	Bioswale with 304 unit rainstore				
20	1.37	43.4%	0.60	2194.52	1.80	3950	1764	0.80	Bioswale with 104 unit rainstore				
21	0.20	51.2%	0.10	371.71	1.80	669	894	2.4	Bioswale, 2.4' media and stone				
22	1.57	39.1%	0.61	2293.10	1.80	4128	288	0.1	48' x 8' Parking Pad				
23	2.16	36.3%	0.78	2948.71	1.80	5308	708	0.2	Bioretention, 3.5' media and stone, 6" underdrain				
24	0.17	41.8%	0.07	268.83	1.80	484	509	1.9	Bioswale, 1.5-4.0' media and stone				
25	0.79	41.3%	0.33	1207.39	1.80	2173	512	0.4	Bioswale to Bioretention W/ 20 units rainstore				
26	4.11	29.5%	1.21	4706.41	1.60	7530	1773	0.4	Bioswale WITH 108 UNITS RAINSTORE; 91 sf Pavement removal				
27	0.69	43.2%	0.30	1093.91	1.80	1969	1736	1.6	BIOSWALE with 128 units rainstore				
28	0.13	38.7%	0.05	192.16	1.80	346	192	1.0	4'x6' Filterra with connection to Ex. Inlet				
29	1.16	42.5%	0.49	1822.80	1.80	3281	328	0.2	Stone Trench with 40 units Rainstore				
30	1.23	33.2%	0.41	1551.52	1.80	2793	968	0.6	Step Bioretention, 4.0' media & stone w/ 81 units rainstore				
31	0.38	36.2%	0.14	512.68	1.80	923	1110	2.2	Bioswale, 4.0' media & stone w/ 120 units rainstore				
32	0.75	35.4%	0.26	996.98	1.80	1795	377	0.4	Bioswale, 2.5' media & stone w/ 38 units rainstore				
33	0.33	37.4%	0.12	462.20	1.80	832	1215	2.6	Parking Pad with 88 unit rainstore				
34	0.31	27.9%	0.09	343.79	1.60	550	174	0.5	Shallow Parking Pad				
34A	0.36	26.2%	0.10	378.26	1.60	605	222	0.6	Shallow Bioswale				
35	0.21	32.7%	0.07	257.04	1.80	463	92	0.4	Shallow Parking Pad				
35A	0.29	28.6%	0.08	327.71	1.60	524	38	0.1	Shallow Parking Pad				
36	0.79	28.5%	0.23	879.81	1.60	1408	368	0.4	Bioretention, 4.0' media and stone with 24 units rainstore				
37	0.28	21.1%	0.06	239.33	1.60	383	249	1.0	Bioswale, 4.0' media and stone with 12 units rainstore				
38	1.10	34.3%	0.38	1430.82	1.80	2575	907	0.6	2-4' swale, 4.0' media and stone with 56 units rainstore				
38A	0.07	50.0%	0.04	133.92	1.80	241	150	1.1	2' swale, 4.0' media and stone with 12 units rainstore				
38B	0.13	32.4%	0.04	164.59	1.80	296	426	2.6	4' swale, 4.0' media and stone with 28 units rainstore				
39	0.66	26.6%	0.18	695.36	1.60	1113	1905	2.7	Swale, 3.25' media & Stone				
Total	27.62	36.4%	9.63	36483	1.75	63944	29083	0.8					

TRAFFIC CONTROL TABLE			
SWM #	STANDARD TCP #	SWM #	STANDARD TCP #
2	102.02	26	105.05
3	105.05	27	105.07
4	105.06	28	102.02
6	105.06	29	102.02
8	105.05	30	105.03
9	102.02	31	102.02
10	102.02	32	102.02
12	102.02	33	102.02
13	102.02	34	102.02
14	102.02	34A	102.02
15	105.04	35	102.02
16	105.07	35A	102.02
20	105.07	36	102.02
21	102.02	37	102.02
22	102.02	38	105.02
23	102.02	38A	102.02
24	102.02	38B	102.02

Note:
Contractor to provide temporary staging areas near individual facility sites, stabilized with mulch. These staging areas are not to be considered part of the limits of disturbance and not counted against the maximum 5,000 SF disturbed area requirement of the permit. Staging areas are to be removed and restored to original condition upon completion of work at a facility unless they will be used as a staging area for another facility.

- Sequence of Construction
- Prior to clearing of trees, installing sediment control measures, or grading, a pre-construction meeting must be conducted on-site with the owner's representative, the contractor, and the site engineer.
 - This project is a moving project involving multiple facilities. No more than 5,000 SF shall be disturbed at any one time. Construction of each LID facility will follow a basic sequence outlined below:
 - The limits of disturbance must be field-marked prior to clearing of trees, installation of sediment control measures, construction, or other land disturbing activities.
 - Review accommodations to keep a new SWM offline to the greatest extent practical until it is ready to receive storm flows.
 - Install maintenance of traffic measures.
 - Demolish and remove existing infrastructure as noted on the plan.
 - If facility requires new storm drain inlet structure to be installed or replaced:
 - Excavate and remove existing inlet structure. Take care not to damage existing storm drain pipe.
 - Install new storm drain inlet structure and all appurtenances.
 - If facility requires that new curb and gutter be installed, install new curb and gutter. Provide sand bag diversions in any curb openings to facility to prevent gutter flows from entering the work area.
 - Complete excavation of the facilities and haul off excess material.
 - Install under drains (if required by plan) and facility media (if required by plan). Complete soil amendments (if required by plan).
 - Final grade facility.
 - Install plantings and other landscaping.
 - Permanently stabilize entire disturbed area.



PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 11007, EXPIRATION DATE: 07/09/2012.



MONTGOMERY COUNTY
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
ROCKVILLE, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section

Date

Chief, Division of Capital Development

Date

Designed by: ZK/MNR

Drawn by: ZK/MNR

Checked by: WRP

ROW LID RETROFIT PROJECT
SLIGO PARK HILLS
KEY MAP SHEET

SCALE : AS SHOWN

TIOI

Project No.: 2008037.00_Task III

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