Sligo Park Hills Phase 2 LID Site Summary (Preliminary)

LID #	DA (ac)	% Impervious	Impervious Area (ac)	Treatment Required by ESD			Proposed Treatment		Type of Facility Proposed
				WQ_v (cf)	P_E (in)	ESD_v (cf)	Volume Treated (cf)	PE (in)	
40	0.19	23.2%	0.044	178	1.60	285	317	1.8	Parking Pad
41	0.95	29.5%	0.28	1,087	1.60	1,739	307	0.3	Parking Pad
42	0.23	29.1%	0.067	261	1.60	417	261	1.0	6' x 4' Filterra
43	0.21	29.5%	0.062	241	1.60	385	241	1.0	6' x 4' Filterra
44	0.28	48.9%	0.137	498.40	1.80	897	360	0.7	Shallow Parking Pad
45	0.48	41.7%	0.200	740.52	1.80	1333	980	1.3	Parking Pad
46	0.47	35.3%	0.166	627.63	1.80	1130	1407	2.2	Bioswale
47	0.55	44.7%	0.246	903.51	1.80	1626	1404	1.6	Bioswale
48	0.27	35.2%	0.095	359.37	1.80	647	300	0.8	Bioswale
49	0.27	40.4%	0.109	405.11	1.80	729	334	0.8	Bioswale
50	0.23	34.3%	0.079	299.84	1.80	540	269	0.9	Parking Pad
51	0.27	47.8%	0.129	470.45	1.80	847	372	0.8	RAINSTORE
52	0.39	42.8%	0.167	616.37	1.80	1109	637	1.0	RAINSTORE
53	0.44	41.8%	0.184	680.99	1.80	1226	743	1.1	RAINSTORE
54	0.11	45.5%	0.050	183.32	1.80	330	183	1.0	6' x 4' Filterra
55	0.35	38.3%	0.134	501.30	1.80	902	260	0.5	Shallow Bioswale
56	0.093	54.8%	0.051	183.50	1.80	330	149	0.8	Shallow Bioswale
57	0.080	45.0%	0.036	132.13	1.80	238	122	0.9	Shallow Bioswale
58	0.34	40.0%	0.14	506.02	1.80	911	1093	2.2	Bioswale
59	0.96	25.9%	0.249	987.72	1.60	1580	1211	1.2	Bioswale
Total	7.16	36.6%	2.62	9863	1.74	17202	10949	1.1	

Sequence of Construction

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.

1. 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.
2. This project is a moving project involving multiple facilities. No more than 5,000 SF shall be disturbed at any on time. Construction of each LID facility will follow a basic sequence outlined below:
   a. The limits of disturbance must be field-marked prior to clearing of trees, installation of sediment control measures, construction, or other land disturbing activities.
   b. Review accommodations to keep a new SWM offline to the greatest extent practical until it is ready to receive storm flows.
   c. Install maintenance of traffic measures.
   d. Demolish and remove existing infrastructure as noted on the plan.
   e. If facility requires new storm drain inlet structure to be installed or replaced:
      i. Excavate and remove existing inlet structure. Take care not to damage existing storm drain pipe.
      ii. Install new storm drain inlet structure and all appurtenances.
   f. 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.
   g. Complete excavation of the facilities and haul off excess material.
   h. Install under drains (if required by plan) and facility media (if required by plan). Complete soil amendments (if required by plan).
   i. Final grade facility.
   j. Install plantings and other landscaping.
   k. Permanently stabilize entire disturbed area.

100' 0 100' 200'
SCALE: 1" = 100'

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.

Gannett Fleming
GPI GREENMAN-PEDERSEN, INC.

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
ROCKVILLE, MARYLAND

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Capital Development — Date

Designed by: ZK/MMR Drawn by: ZK/MMR Checked by: WRP

ROW LID RETROFIT PROJECT
SLIGO PARK HILLS
KEY MAP SHEET

SCALE : AS SHOWN

TI01

Project No.: 2008037.00 Task III — 1 of 8

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