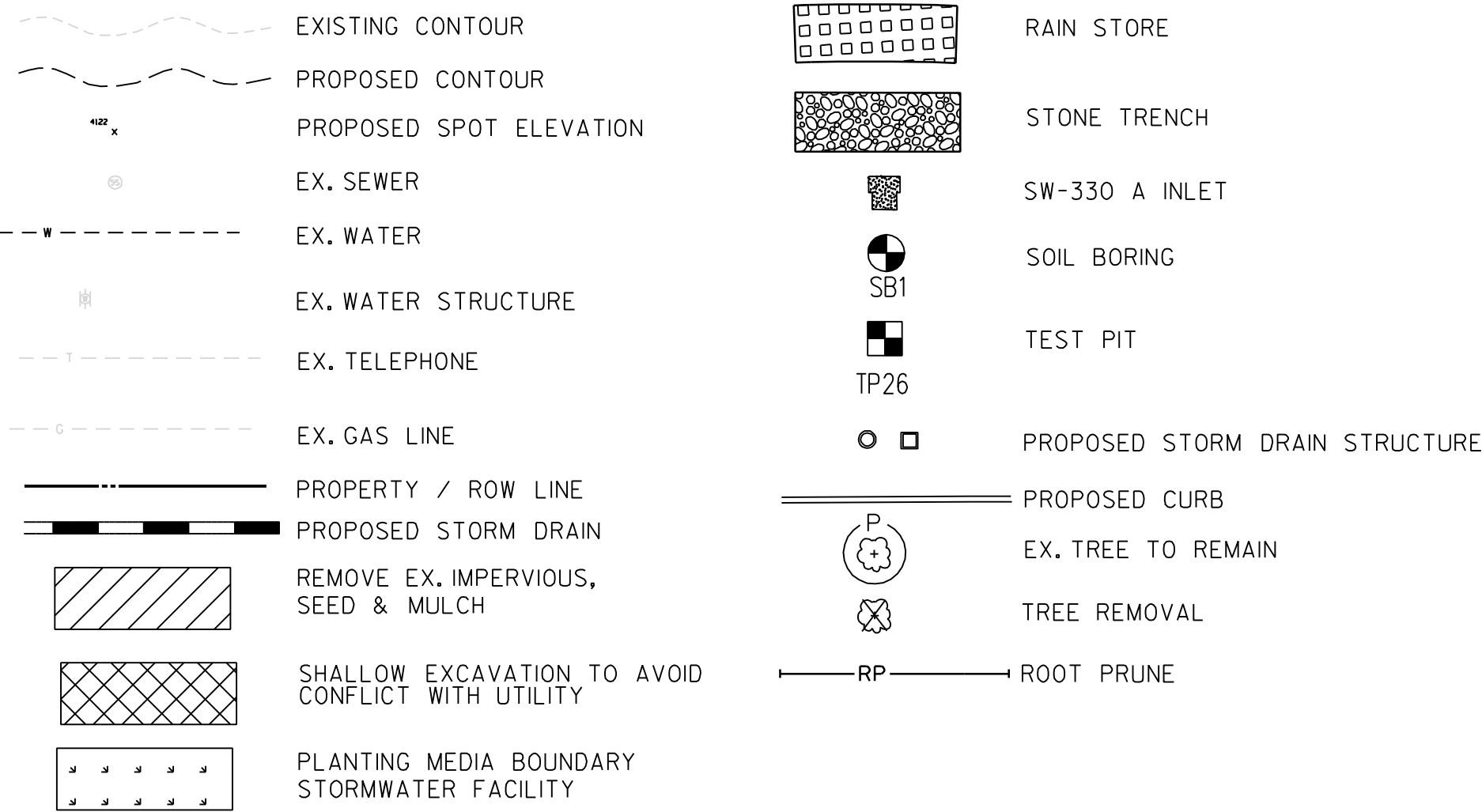
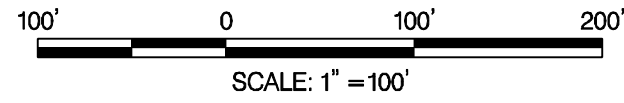
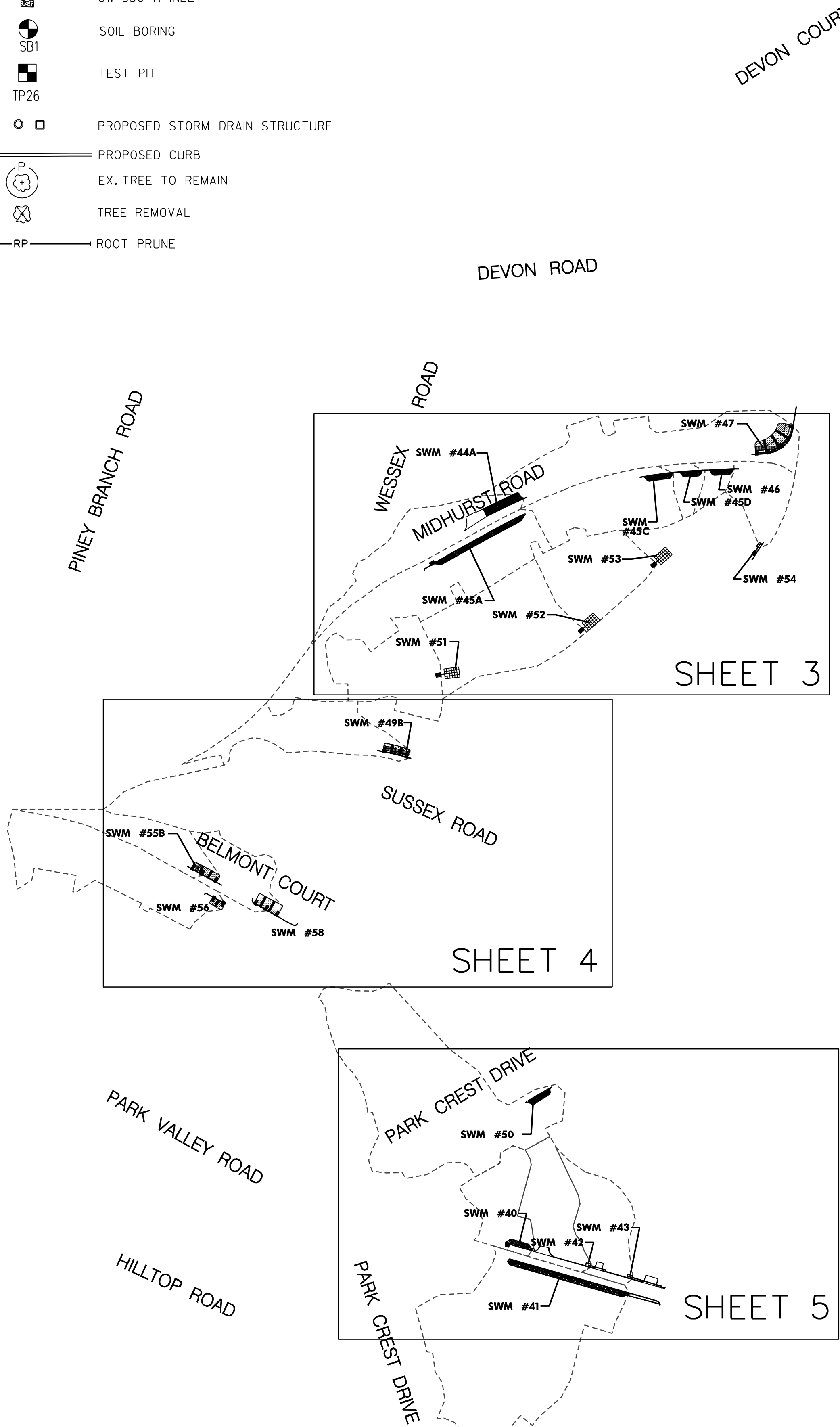


LEGEND



TRAFFIC CONTROL TABLE	
SWM #	STANDARD TCP#
40	102.02
41	102.02
42	102.02
43	102.02
44A	102.02
45A	105.05
45C	102.02
45D	102.02
46	105.05
47	105.06
49B	102.02
50	102.02
51	102.02
52	102.02
53	102.02
54	105.03
55B	105.03
56	102.02
58	102.02



Sligo Park Hills Phase 2 LID Site Summary -Final									
LID #	DA (ac)	% Impervious	Impervious Area (ac)	Treatment Required by ESD			Proposed Treatment		Type of Facility Proposed
				WQ ₂ (cf)	P ₂ (in)	ESD ₂ (cf)	Volume Treated (cf)	PE (in)	
40	0.19	23.0%	0.04	179	1.60	286	317	1.8	Parking Pad w/ 28 units Rainstore
41	0.96	24.5%	0.23	939	1.60	1,502	1165	1.2	Parking Pad
42	0.23	29.2%	0.07	257	1.60	411	411	1.6	6' x 4' Filterra
43	0.21	29.4%	0.06	245	1.60	391	391	1.6	6' x 4' Filterra
44A	0.29	45.4%	0.13	476.40	1.80	858	310	0.7	Shallow Parking Pad
45A	0.55	40.1%	0.22	817.54	1.80	1471.58	802	1.0	Parking Pad
45C	0.30	40.8%	0.12	454.68	1.80	818.43	165	0.4	Parking Pad
45D	0.05	19.2%	0.01	42.75	1.20	51.30	89	2.1	Shallow Parking Pad
46	0.05	37.4%	0.02	64.25	1.80	115.65	98	1.5	Bioswale
47	0.53	41.9%	0.22	820.38	1.80	1477	1341	1.6	Bioswale
49B	0.27	38.4%	0.11	393.70	1.80	709	208	0.5	Shallow Bioswale
50	0.96	12.5%	0.12	694.80	1.00	563	258	0.5	Parking Pad
51	0.30	43.5%	0.13	487.98	1.80	878	876	1.8	Rainstore - 264 units
52	0.47	45.4%	0.21	783.58	1.80	1410	1115	1.4	Rainstore - 336 units
53	0.30	39.0%	0.12	436.63	1.80	786	1115	2.6	Rainstore - 324 units
54	0.15	38.1%	0.06	207.79	1.80	374	208	1.0	6' x 4' Filterra
55B	0.18	41.2%	0.07	269.63	1.80	485	575	2.1	Bioswale
56	0.44	42.5%	0.19	697.09	1.80	1254.76	223	0.3	Shallow Bioswale
58	0.16	30.2%	0.05	182.19	1.60	292	724	4.0	Bioswale
Total	6.58	33.1%	2.18	8449	1.67	14134	10391	1.2	

- SEQUENCE OF CONSTRUCTION:
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.
- 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.
 - THE 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.

CONSTRUCTION NOTES.
1. THE UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM A/I DATA. THE TEST PITS LOCATIONS WERE BASED ON INITIAL DESIGN LAYOUT WHICH MIGHT NOT MATCH WHERE THE UTILITY CROSSINGS ARE AT THE FINAL DESIGN. SOME ASSUMPTIONS WERE MADE AT THE DESIGN. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND FIELD LOCATE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AT UTILITY CROSSINGS. THE CONTRACTOR SHALL HAND DIG AROUND UTILITIES LOCATED IN THE VICINITY OF THE PROPOSED EXCAVATION.

2. CONTRACTOR SHALL PROVIDE ONE FOOT MIN. VERTICAL CLEARANCE BETWEEN THE TOP OF UTILITY AND BOTTOM OF SWM FACILITY. SEE MSHA-UD3 FOR TYPICAL UTILITY CROSSING DETAIL. ADJUST DEPTH OF SWM FACILITY TO MAINTAIN 12" MIN. VERTICAL CLEARANCE IF NECESSARY AT CONSTRUCTION.

3. UNLESS SPECIFIED ON THE PLAN WITH SWALE INVERT AND BOTTOM ELEVATION, THE LONGITUDINAL SLOPE OF SWALE SHOULD MATCH ROAD SLOPE.

4. CONTRACTOR SHALL PROVIDE MINIMUM COVER FOR EXISTING UTILITIES.

5. CONTRACTOR TO PROVIDE 12" MIN. VERTICAL CLEARANCE BETWEEN STORM DRAIN AND UTILITIES. SPECIAL CROSSING TREATMENT METHODS LIKE ENCASEMENT AND/OR SPECIAL BEDDING SHALL BE FOLLOWED.

6. SPOT SHOWN AT INLET AND OUTLET MEAN INVERTS OF INLET OR OUTLET. SPOTS SHOWN IN EACH FACILITY CELL ARE SWALE INVERTS (FACILITY TOPS).

7. PROPERTY LINE INFORMATION IS FROM MONTGOMERY COUNTY GIS, WHICH MAY OR MAY NOT BE ACCURATE. ROW DIMENSIONS SHOWN ON THE PLANS ARE FROM THE PLATS WHICH MAY NOT BE DIMENSIONED ACCURATELY AS DICTICED ON THE PLANS SHOWING GIS PROPERTY LINES.

8. FIELD LOCATE PROPERTY CORNERS ADJACENT TO PROPOSED FACILITIES BY USING PLATS.

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. 11001, EXPIRATION DATE: 07/09/2012.



MONTGOMERY COUNTY
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
ROCKVILLE, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section
APPROVED

Chief, Division of Capital Development

Designed by: JSA Drawn by: JSA/AMW Checked by: WRP

ROW LID RETROFIT PROJECT
SLIGO PARK HILLS PHASE 6
KEY MAP SHEET

SCALE : AS SHOWN

T101

Project No. 2008037_00_Task 118

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