Integrated Stormwater Management (iSWM) Subcommittee Meeting

Staff Planner: Casey Cannon October 18, 2023



Agenda

- I. Welcome and Introductions
- II. Presentation and Action Items
 - 1. Approval of July 12, 2023, Meeting Summary.
 - 2. Presentation on Stormwater Regulation at the Single Lot Level
 - 3. Nominations of FY24 Leadership Team

III.Discussion Items

I. FY24 Work Program Update

IV.Information Items

1. Regional Public Works Program Update

V. Other Business and Roundtable Discussion

- 1. Upcoming Events and Conferences
- 2. Future Agenda Items and Roundtable Discussion
- 3. Schedule for the Next Meeting

Adjournment



Welcome & Introductions



Welcome and Introductions

- The meeting agenda, presentation and handouts are located on the <u>iSWM subcommittee webpage</u>
- Please use the chat function to add your name and organization for attendance





Approval of July 12, 2023, Meeting Summary

 The meeting summary is posted <u>online</u> for Subcommittee approval.

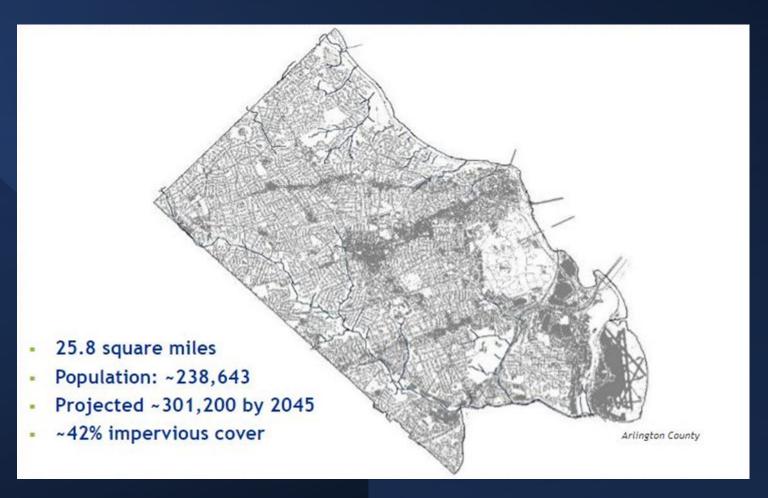


Regulating Single-Family Development in Arlington County Virginia

Janet Vick – Arlington County Department of Environmental Science – Office of Stainability and Environmental Management



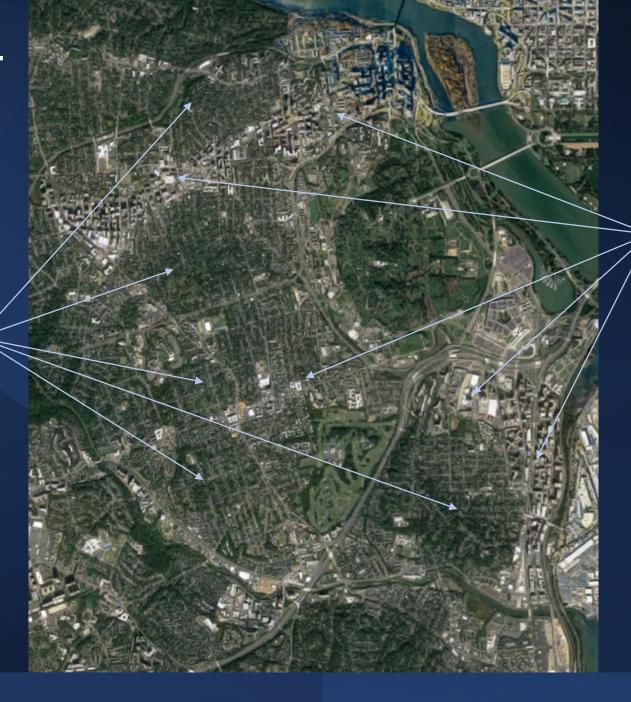
Arlington County





DEVELOPMENT DYNAMICS

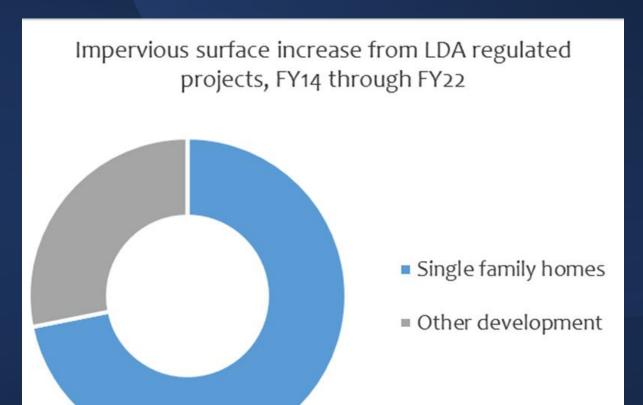
SINGLE FAMILY
NEIGHBORHOODS
IMPERVIOUS
SURFACE
INCREASES, TREE
CANOPY LOSS, AND
SOIL COMPACTION



SINGLE FAMILY
NEIGHBORHOODS
IMPERVIOUS SURFACE
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Why do we regulate single family homes?



 Majority source of stormwater impacts from urbanization.

Mitigate:

- Lot-to-lot runoff
- Cumulative runoff impacts to downhill properties
- Cumulative runoff and water quality impacts to stormwater system and streams.



Driving forces behind regulating single family

- Lot to Lot runoff
- Local water quality/stream

Chesapeake Bay TMDL

• Load reduction requirement for Nitrogen, Phosphorus and Total Suspended soils.

	TN(lbs/ac)	TP(lbs/ac)	TSS(lbs/ac)
Current TMDL 100% Load			
Reduction Requirement	11,568.5	1,529.4	1,312,514.2



History of the single-family regulations

Established in 2003

- Requires on-site stormwater quality management for vehicular pavement only above 2000 SF
- Remainder of stormwater pollution reduction obligations can be met by contribution to Watershed Management Fund

2012 Modification

- On-site stormwater quality management required to meet stormwater treatment requirements
- Watershed Management Fund contribution allowed only under specific circumstances
- Implementation of stormwater volume reduction measures as part of a project's stormwater compliance strategy



History of the single-family regulations

2014 Modification

• <u>On-site</u> stormwater quality management required to meet stormwater treatment requirements using Virginia Runoff Reduction Method (VRRM) spreadsheet, which included stormwater volume reduction measures as part of a project's stormwater compliance strategy.

2021 Modification

- Required to meet state stormwater quantity standards in addition to the stormwater quality previously required using the VRRM spreadsheet
- "Alternative compliance option" also established which is more feasible for SF home lot dynamics.



Current Requirements

LDA 2.0 – Three LDA/SWM Permit Options for Single Family Home Projects

Arlington is revising development requirements for single family home projects to require additional stormwater detention. Single family home project projects will now be required to meet state stormwater quantity standards in addition to the stormwater quality previously required. This change is important as infill development continues and rainfall intensity increases, causing more lot-to-lot runoff and adding cumulative runoff impacts to downhill neighbors, the storm drain system, and local streams. These new requirements became effective on September 13, 2021.

Also effective September 13, 2021, all single family home projects must:

- Implement soil de-compaction and amendment procedures to facilitate long term absorption and tree and other plant growth;
- · Ensure runoff is not concentrated or released closely to downhill properties;
- Account for existing forested areas within a two (2) year window prior to LDA application (not required for 'Streamlined Method' projects);
- · Address potential off-lot impacts from retaining walls and fill;
- Provide as-built documentation for site grading and trees (not required for 'Streamlined Method' projects); and,
- Meet the conditions for adding impervious surfaces after Certificate of Occupancy or project completion.

Refer to Refer to Section 2.91 of the Stormwater Manual.

If you have **Resource Protection Area (RPA)** on your lot, please refer to section 4 of the Stormwater Manual and view the RPA page for resources and templates.



1. Standard LDA Documents - LDA/SWM Permit

Standard LDA Documents, LDA/SWM Permit

Refer to Section 2.9 of the Stormwater Manual.

2. Alternative Compliance Option for LDA/SWM 2.0

Applicants may also choose an Alternative Compliance Option to these new standard requirements that will be more feasible and effective in most cases and less onerous for the homeowner responsible for maintaining stormwater management facilities. This option will also offer standardized plan templates to shorten the time for plan review and approval and avoid complicated engineering and detention system design.

Refer to Section 2.92 of the Stormwater Manual.

3. Streamlined LDA/SWM 2.0 Permit for Moderate-Scale Single-Family Projects

Streamlined LDA/SWM 2.0 Permit for Moderate Scale Single-Family Projects

The County continues to offer the Streamlined LDA/SWM Permit for Moderate-Scale Single-Family Projects. The Streamlined Method has been updated following evaluation after the one-year pilot period, also effective September 13, 2021.

Refer to Section 2.93 of the Stormwater Manual.



Home / Government / Building / Permits / Land Disturbing Activity / Stormwater Permit Overview / Alternative Compliance Option for LDA/SWM 2.0 Permit

Alternative Compliance Option for LDA/SWM 2.0 Permit

Arlington is revising development requirements for single family home projects to require additional stormwater detention, as represented by the "Land Disturbing Activity/Stormwater Permit 2.0." Single family home projects will now be required to meet State stormwater quantity standards in addition to the stormwater quality previously required. This change is important as infill development continues and rainfall intensity increases, causing more lot-to-lot runoff and adding cumulative runoff impacts to downhill neighbors, the storm drain system, and local streams.

Applicants may also choose an Alternative Compliance Option to these new standard requirements that will be more feasible and effective in most cases and less onerous for the homeowner responsible for maintaining stormwater management facilities. This option will also offer standardized plan templates to shorten the time for plan review and approval and avoid complicated engineering and detention system design.

See section 2.9.2 of the Stormwater Manual and the new documents below:

- AutoCAD Template Alternative Compliance LDA 2.0 Program (7/22)
- Design detail inserts for AutoCAD template Zip file (7/22)
- AutoCAD Template PDF format Alternative Compliance LDA 2.0 Program (7/22)
- AutoCAD Template Instructions Alternative Compliance LDA 2.0 Program (3/22)
- Calculations Spreadsheet Alternative Compliance LDA 2.0 Program (7/22)
- SWPPP Minimum Acceptance Checklist Alternative Compliance LDA 2.0 Program (7/21)

Tree Compliance

- Tree Replacement Guidelines
- Tree Conservation Guidelines (3/23)
- Appendix F. Tree Protection and Planting Standards (DPR Design Standards)
- Appendix E. Recommended Trees with Canopy Credits (revised 4/23)
- Tree Canopy Designer Checklist (PDF, 197KB) (revised 12/21)
- Tree Notification Letter Example
- · Soil Profile Rebuilding Specifications
 - Soil Profile rebuilding video
 - · Soil Profile Rebuilding Schematic Example
- Soil Profile Rebuilding Q & A
- · Compost and Topsoil Sources for Soil Profile Rebuilding (PDF, 130KB)



Project Name: LYON VILLAGE - SECT Date: 1/13/20

LYON VILLAGE - SECTION 3 - LOT 606

1/13/2022

Linear Development Project?

CLEAR ALL (Ctr1+Shift+R) data input cells constant values calculation cells final results

Site Information

Post-Development Project (Treatment Volume and Loads)

Enter Total Disturbed Area (acres) ->

The site's net increase in impervious cover (acres) is:

Post-Development TP Load Reduction for Site (lb/yr):

Maximum reduction required:

NO

0.1176

0.0392

0.0754

RAMP Design Specific

BMP Design Specifications List: 2013 Draft Stds & Specs

Linear project? No

Check:

Land cover areas entered correctly?

Total disturbed area entered?

Total disturbe

Pre-ReDevelopment Land Cover (acres)

	A Soils	B Soils	C Soits	D Soils	Totals
Forest/Open Space (acres) undisturbed forest/open space					0.0000
Managed Turf (acres) disturbed, graded for yards or other turf to be			0.1286		0.1286
Impervious Cover (acres)			0.0097		0.0097
					0.1989

Post-Development Land Cover (acres)

	A Soils	B Soils	C Soits	D Soils	Totals
Forest/Open Space (acres) undisturbed, protected forest/open space or reforested					0.0000
Managed Turf (acres) disturbed, graded for yards or other turf to be			0.0894		0.0894
Impervious Cover (acres)			0.0489		0.0489
Area Check	OK.	OK.	OK.	OK	0.1383

Constants

Annual Rainfall (Inches)	43
Target Rainfall Event (inches)	1.00
Total Phosphorus (TP) EMC (mg/L)	0.26
Total Nitrogen (TN) EMC (mg/L)	1.85
Target TP Load (b/acre/yr)	0.41
Pj (unitless correction factor)	0.90

Runoff Coefficients (Rv)

	A Soils	B Soils	C Soils	D Soils
Forest/Open Space	0.02	0.03	0.04	0.05
Managed Turf	0.15	0.20	0.22	0.25
Impervious Cover	0.95	0.95	0.95	0.95



Land Cover Summ	ory-Pre	
Pre-ReDevelopment	Listed	Adjusted
Forest/Open Space Cover (acres)	0.0000	0.0000
Weighted Ry(forest)	0.0000	0.0000
% Forest	0%	0%
Managed Turf Cover (acres)	0.1286	0.0894
Weighted Rv(turf)	0.2200	0.2200
% Managed Turf	93%	90%
Impervious Cover (acres)	0.0097	0.0097
Ry(impervious)	0.9500	0.9500
% Impervious	7%	10%
Total Site Area (acres)	0.1383	0.0991
Site Ry	0.2712	0.2915
Pre-ReDevelopment Treetment Volume (acre-ft)	0.0031	0.0024
he-ReDevelopment Treatment Volume (out is feet)	136.1504	104.8453
Pre-ReDevelopment TP Load (b)/yr)	0.0855	0.0659
Pre-ReDevelopment TP (plad per acre (fb/acre/yr)	6.4200	3.6600
	area excluding	0.0406

Adjusted total acreage is consistent with Post-ReDevelopment acreage (minus acreage of new impervious cover).

Column I shows load reduction requirement for new impervious cover (based on new development load lim/c, 0.42 lbs/acre/year).

LAND COVER SUMMARY -- POST DEVELOPMENT Land Cover Summary-Post (Final) Land Cover Summary-Post Lond Cover Summary-Post Post ReDev. & New Impervious Post-ReDevelopment Post-Development New Impervious Forest/Open Space 0.0000 Cover (acres) Cover (zores) Weighted Ry(forest) 0.0000 Weighted Ry(forest) 0.0000 % Forest 0% % Forest 0% Managed Turf Cove Managed Turf Cover 0.0894 0.0894 (acres) (acres) Weighted Rv (tuff) 0.2200 Weighted Ry (turf) 0.2200 % Managed Turf 65% % Managed Turf 90% Impervious Cover ReDev. Impervious New Impervious Cover 0.0489 0.0097 0.0392 (ecres) Cover (acres) (acres) Ry(impervious) 0.9500 Ry(mpervious) 0.9500 0.9500 % Impervious 35% % Impervious 10% Total ReDev. Site Area 0.1383 0.0991 Final Site Area (acres) (acres) 0.4781 0.2915 Final Port Dev Site It ReDev Site Rv Treatment Volume and Nutrient Load Final Posts 0.0055 Treatment Volume [acre-fit] Final Posts Development 240.0265

Post-ReDevelopment Treatment Volume (acre-ft)	0.0024
Post-ReDevelopment Treatment Volume (cubicfeet)	104.8453
Post-ReDevelopment load (TP) (Ib/yr)*	0.0659
Post-ReDevelopment TP sodd per scre (b/acre/je)	0.6600
Max. Reduction Required (Balow Pro- ReDevelopment Load)	10%

Post-Development	
Treatment Volume (outric feet)	135.1812
Post-Development TP Load (lb/yr)	0.0849

0.0066

1.0789

TP Load Reduction Required for New Impervious Area (Ib/yr)	0.0689
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Post-Development Requirement for Site Area

TP Load Reduction Required (lb/yr)

Treatment Volume (cubicfeet) Final Post-Development TP

Load Final Post-Development TP Load per scre (b/acre/yr)

0.1508

Nitrogen Loads (Informational Purposes Only)

Pre-ReDevelopment TN Load 0.6120 (In/yri

Final Post-Development TN Load (Post-ReDevelopment & New Impervious) (lb/yr)

0.0754



Tanks					Tank Sizin	g																
DDA		Impervious area (sf)		Detention credit (cf)	Tank Volume (CF)	Tank Height (ft)	Tank Geometry	Uniform Tank Average Surface Area (sf)	Tank Ave	age Heigh	t from orifice erflow (ft) - A	Tank inflow diameter (ft) - B	Volume provided (cf)	Indhei	Storage Validation		Maximi release rat			Overflow pipe diameter (in) - D		
1	D-Tank 1	397		80.6	84.0	4.2	Uniform	20.1			4.0	0.75	80.6	2.6	Pass	0.3750	0.00	7	Pass	3.0		
2	D-Tank 2	321		75.8	80.0	7.6	Uniform	10.5			7.2	0.75	75.8	3.0	Pass	0.3750	0.01	0	Pass	3.0		
	D-Tank 3	310		67.4	70.0	6.7	Uniform	10.5			6.4	0.75	67.4	2.7	Pass	0.3750	0.00	9	Pass	3.0		
	D-Tank 4	804		134.3	106.3	6.5	Nonuniform	N/A	23.4		5.8	0.75	134.3	2.1	Pass	0.3750	0.00	9	Pass	3.0		
	Subtotal	1832		358.1																		
				Pass		-																
VRRM	practices							Sizing														
DDA	2.i. To Stormwater Planter, Urban Bioretention (Spec 19), Appendix A)	Impervious area (sf)	Pervious area (sf)	Detention credit (cf)	Downstream from tank?	wqv (d	n	Length (ft)	width (ft)	nding depth (in)	Filter depth (in)	Gravel de (In)	pth Surface	Area (sf)	Ponding Volume (cf)		oil Storage olume (cf)	Gravel Storage Volume (d			sality tured wild	Same or
1	D-UPB-1	397		22.8	Yes	314		7.3	2.5	12.0	18.0	12.0	11	3.3	18.3		6.8	7.3	32.	4 103.19	6 Pass	
	D-UPB-2	321		18.1	Yes	25.4		5.8	2.5	12.0	18.0	12.0	14	1.5	14.5		5.4	5.8	25.	7 101.3	6 Pass	
	D-UPB-3	310		18.8	Yes	24.5		6.0	2.5	12.0	18.0	12.0	15	5.0	15.0		5.6	6.0	26.	6 108.59	6 Pass	

3.0

12.0

18.0

12.0

42.8

Release							Elevations							
Drywell ID	Length	Width	Area Validation	Depth	Volume	Drywell Validation	A - top of planter wall	8 - top of overflow pipe	C - top of filter media	D - finish grade	E - bottom of facility	F - top of drywell pop- up	6- bottom ofdry well	H - Invert in to drywell
DW-UPB-1	3.0	3.0	Pass	3	11	Pass	242.8	242.6	241.5	243.0	239.0	235.0	231.0	234.0
DW-UPB-2	3.0 🛨	3.0 *	Pass	3	11	Pass	241.0	240.8	239.7	241.0	237.2	235.0	231.0	234.0
DW-UPB-3	3.0 ★	3.0 ★	Pass	3	11	Pass	240.1	239.9	238.8	239.0	236.3	235.0	231.0	234.0
DW-UPB-4	4.0	4.0	Pass	3	19	Pass	238.9	238.8	237.6	237.3	235.1	235.0	231.0	234.0

42.8

16.0

17.1

75.9

119.2%

★ RUNOFF FROM PLANTER BOXES 2 AND 3 ARE COMBIMED INTO ONE DRY WELL (#2). THIS DRY WELL IS 4.50' X 4.50' X 3' AND ITS VOLUME IS 24.3 CF.



804

Subtotal 1832

53.4

113.1

Yes

63.7



D-UPB-4

Runoff Volume and Curve Number Calculations

Enter design storm rainfall depths (in):

PRE DEVELOPMENT

1-year storm 2-year storm 10-year storm 2.60 3.15 4.84

Drainage Area A		A Soils	B Soils	C Soils	D Soils
Forest/Open Space undisturbed, protected	Area (acres)	0.0000	0.0000	0.0000	0.0000
forest/open space or reforested land	CN	30	55	70	77
Managed Turf – disturbed, graded for yards or other	Area (acres)	0.0000	0.0000	0.1286	0.0000
turf to be mowed/managed	CN	39	61	74	80
Inner des Cours	Area (acres)	0.0000	0.0000	0.0097	0.0000
Impervious Cover	CN	98	98	98	98

Total Area (acres): 0.1383

Runoff Reduction

Volume (ft³): 0.0000

CN_(D.A.A)

	1-year storm	2-year storm	10-year storm
RV _{Developed} (watershed-inch) with no Runoff Reduction*	0.7558	1.1174	2.4043
RV _{Developed} (watershed-inch) with Runoff Reduction*	0.7558	1.1174	2.4043
Adjusted CN*	76	76	76



TOTAL SITE AREA	Areas (SF)	Detention (CF)	Rainfall volume (IN)	Reset Compliance Summary Worksheettab		
Site area	6024		3.0			b
Total impervious area	2130					
	35.4% 1832					
Roof Paving	297					
		Required	Achieved			
Impervious area increase	1708	406	501	124%	ОК	406
DOWNHILL DRAINAGE AREA		Required	Achieved			
Total impervious increase	1411	335	501	150%	ОК	
Roof area increase	1832	335	471	141%	ОК	
			Tanks	107%	ОК	
WATER QUALITY COMPLIANCE		75% requirement		NA		
		No net increase requirement		77%	FAIL	
		A	rea treated (SF)	0		



SITE INFORMATION

SITE AREA: 6,023 SF (0.1383 AC) WATERSHED: SPOUT RUN

PRE-DEVELOPMENT

GRAVEL REMOVED 2020 #15 SF (0.0095 AC) #20 SF (0.0002 AC) #23 SF (0.0097 AC) #23 SF (0.0097 AC) #24 SF (0.0097 AC) #24 SF (0.0097 AC) #25 SF (0.1286 AC) #25 SF (0.12

POST DEVELOPMENT

 DWELLING
 1832 SF (0.0421 AC)

 DRIVEWAY
 260 SF (0.0060 AC)

 WALK
 37 SF (0.0090 AC)

 TOTAL IMPERVIOUS
 2129 SF (0.0489 AC)

 LANDSCAPEDILAWN
 3994 SF (0.0994 AC)

NOTE ON DETENTION / STORAGE TANKS:

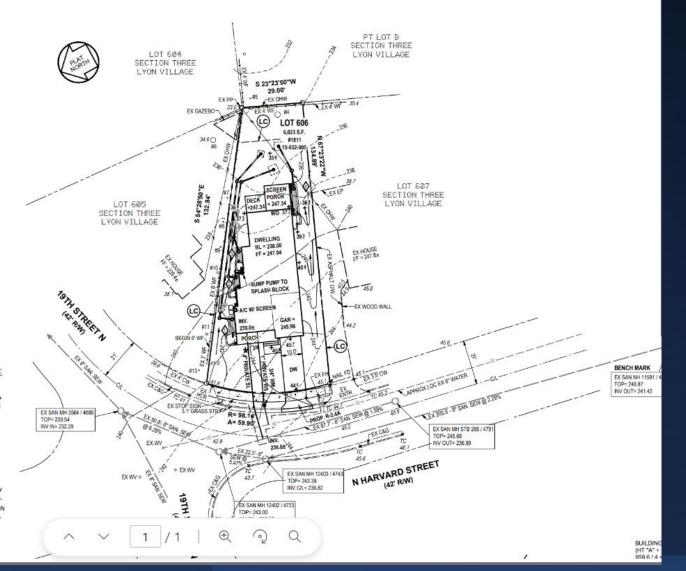
UPRIGHT DETENTION I STORAGE TANKS TO BE FIRMLY SECURED WITH 1-1/2" METAL STRAPPING PLACED I" BELOW THE TOP OF THE TANK AND ANCHORED WITH JW".W" LAG SCREWS TO THE HOUSE. A SECOND STRAP TO BE FIRMLY SECURED IN THE SAME MANNER AT THE MIDPOINT OF THE TANK.

NOTE:

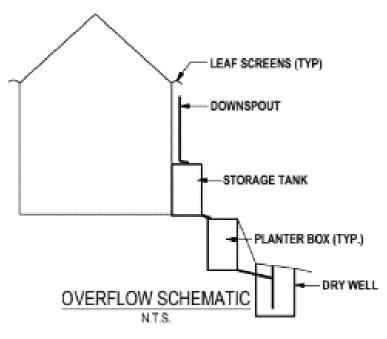
THE SEGMENT OF SERVICE (METER TO MAIN) TO BE INSTALLED BY ARLINGTON COUNTY DES UPON PAYMENT OF APPROPRIATE FEES.

WATER METER SHALL NOT BE LOCATED ON PRIVATE PROPERTY. IN THE ABSENCE OF A SIDEWALK OR SPACE OUTSIDE THE PROPERTY, AN EASEMENT OF 5 FEET BY 5 FEET SHALL BE GRANTED TO THE COUNTY FOR METER LOCATED ON PRIVATE PROPERTY.

A MINIMUM HORIZONTAL CLEARANCE OF 5 FEET IS REQUIRED AROUND THE WATER METER AND WATER SERVICE UP TO THE MAIN, FROM ALL UTILITIES AND DRIVEWAY APRONS.



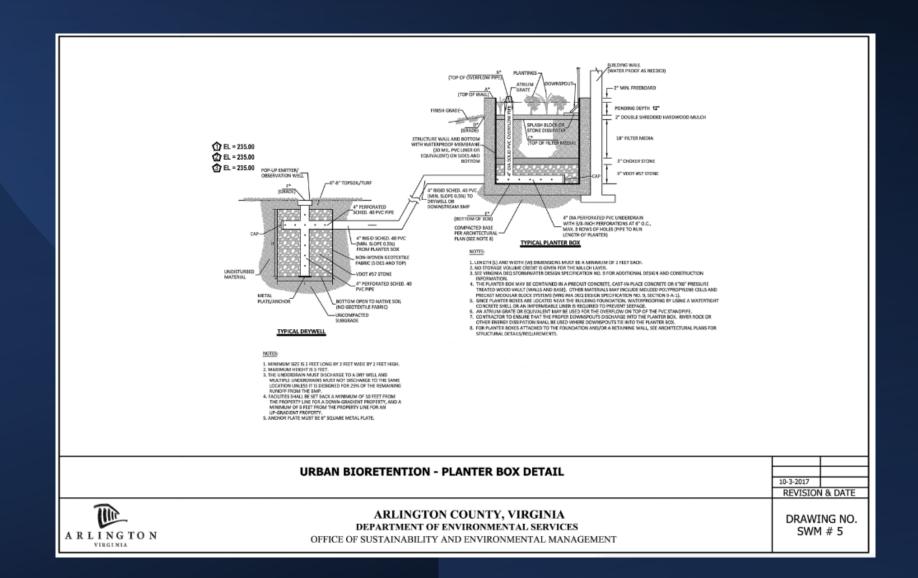




* ALL DOWNSPOUTS DRAINING TO A PLANTER BOX OR A DRY WELL MUST HAVE LEAF SCREENS INSTALLED.

CONTRACTOR TO INSTALL THE DOWNSPOUT AND THE OVERFLOW PIPE AT THE OPPOSITE SIDE OF THE PLANTER BOX IN ORDER TO AVOID SCOUR AND SHORT CIRCUITING THE FLOW.







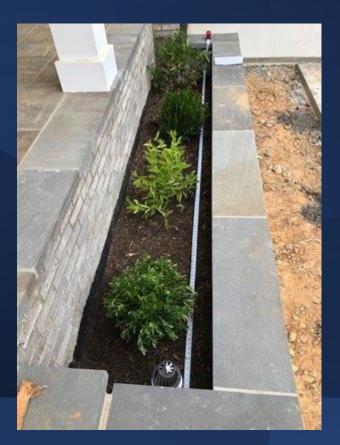














Challenges!

Political Support

Getting approval to hire additional review staff Training review staff and engineering community

Training contractors to use the correct soil media and follow the details

Getting completed as-built of the

More stormwater facilities per lot.



Things that worked for us!

Provide upfront training to engineering community

Requiring the use of standard design templates including details for faster review times.

Provide detailed Stormwater Manual that is regularly updated.

Detailed guidelines for different permit requirements.

Checklist for both submittals and as-builts.



Public Cost to provide same load reduction as regulating single family:

• Capital cost to provide the 52 lbs/year reduction:

~ \$10,400,000

• Annual maintenance cost:

~\$335,000

• Doesn't address lot-to-lot impacts





Results Through Fiscal Year 2022							
Private Development Type	Impervious AcresTreated	Gallons of Stormwater	Phosophorus Load Reduction (lbs/acre/year)				
SFD	66	1,630,000	52				
Non-Residental	44	945,000	57				







QUESTIONS









Janet Vick — <u>jvick@arlingtonva.us</u>

Permitting information:

https://www.arlingtonva.us/Government/Programs/Building/Permits/Land-Disturbing-Activity-Stormwater

Post Construction Inspection Program:

https://www.arlingtonva.us/Government/Programs/Sustainability-and-

Environment/Stormwater/Stormwater-

Watersheds/Stormwater-Management-Facility-

Inspections



Nominations for FY24 Leadership Team

 The Subcommittee will accept nominations for Chair & Vice-Chair Position

Discussion on Future Plans for the iSWM Program

Updates to iSWM Rosters



Discussion Items





FY24 Task List

-	Task	Category
1	Review and Compile iSWM Manual Changes - NCTCOG staff will review	
	and compile all recent revisions of the iSWM Criteria Manual (2013) and	Revised Technical
	iSWM Technical Manual (2015). This will be an official update of the	Content
	documents.	
2	iSWM BMP Training (1-2 Hour) - Training communities on engineering	
	design or maintenance of BMPs	Outreach
3	iSWM Implementation guidance for communities in the region - Continued	
	outreach and workshops for iSWM Implementation and/or technical	Outreach
	implementation guidance.	
4	iSWM Promotional Presentation for Partnering Organizations - Host	
	event/training promoting iSWM and BMPs through industry and interest	Outreach
	groups (i.e., ULI, TREC, AIA, APA, ASLA, USGBC, GDPC, CNU, DBA) and	Oddieddii
	additional developer training/outreach.	
5	Research "cumulative impacts" on small footprint developments With	
	developments of <1 acres, research the impervious cover threshold that	
	creates an impact on drainage systems so that the cumulative effects	
	should be considered.	
6	Engineering Best Practices for iSWM Submittals During City Development	
	Review	







NCTCOG iSWM Task Order Updates

October 18, 2023



TASKS

- Task 1 As-needed support services
 - No assistance required of Halff at this time
- Task 2 Development submittal and review process training
 - Coordination with IIS, received feedback on survey
 - Halff working with BHB to develop training materials
- Task 3 Panel discussion of iSWM communities
 - Received feedback from survey, additional input required
- Task 4 Present at up to 4 promotional events
 - Coordinate with identified organizations
- Tasks 5 and 6
 - Discuss with IIS and update SOW

Information Items





Public Works Program Update

- Virtual Public Works Council (PWC) meeting, November 16, 9:30am,
 visit www.nctcog.org/envir/committees/public-works-council
- Final feedback due by November 4 on the Public Works Construction Standards North Central Texas, Amended Fifth Edition, visit https://www.nctcog.org/envir/public-works/public-works-program
- Seeking a chair for the Sustainable Public Rights of Way Subcommittee, more information https://www.nctcog.org/envir/public-works/sustainable-public-rights-of-way

For more information on the Public Works program please contact Kate Zielke at kzielke@nctcog.org or (817) 695-9227



Upcoming Events, Conferences, and Opportunities

- TCEQ Water Quality and Stormwater Hybrid Seminar
 - Austin, TX or Virtual
 - October 19, 2023
 - More information available online.



Upcoming NCTCOG Meetings

- Next iSWM Meeting: January 17, 2024 at 1:30 PM
- Floodplain Seminar for Elected Officials and Municipal Staff, October 19, 2023, more information https://www.addevent.com/event/sv18081632
- Regional Stormwater Management Coordinating Council, November 15, 2024
- Public Works Council, November 16, 2023

Environment & Development Committees Information Available at nctcog.org/envir/committees



Upcoming iSWM Agenda Topics

• FY24 Work Program Updates



Roundtable Discussion





Contact & Connect

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