



Angela D. Alsobrooks
County Executive



Michael D. Johnson, P.E.
Director

Department of Public Works and Transportation

April 4, 2024





Angela D. Alsobrooks
County Executive



Michael D. Johnson, P.E.
Director

Office of the Director

Prince George's County, DPW&T

Presented by Rodney Streeter
Special Assistant to the Director



Angela D. Alsobrooks
County Executive

Growing Green With Pride



Michael D. Johnson, P.E.
Director

RAIN
— or —
SHINE



Angela D. Alsobrooks
County Executive

Help beautify our County by joining neighbors in your community for a day of spring cleaning, weed removal, and litter pick-up!

SATURDAY
APRIL 27
8AM-12PM

Registration is required for participation. Please click the link below to register:
<http://MyPGC.us/GrowingGreen>
by April 19, 2024



Students may earn service learning hours!

Contact Tonya Hairston at
GrowingGreenWithPride@co.pg.md.us
or 301-499-8641 for more information.



Reference in this flyer to any specific firm, entity, business or corporation by name is for the limited purpose of providing information and convenience of the public, and does not constitute endorsement, recommendation, or favoring by Prince George's County, Maryland.
The contents are those of the author(s) and do not necessarily represent the official views of, nor an endorsement, by Prince George's County, Maryland.

RAIN
— or —
SHINE



Angela D. Alsobrooks
County Executive

Ayude a embellecer nuestro condado uniéndose a los vecinos de su comunidad para un día de limpieza, eliminación de malezas y recolección de basura.

SÁBADO
27 de ABRIL
8AM-12PM

Es necesario registrarse para participar. Por favor haga clic en el siguiente enlace para registrarse:
<http://MyPGC.us/GrowingGreen>
antes del 19 de Abril, 2024



¡Los estudiantes pueden ganar horas de aprendizaje-servicio!

Póngase en contacto con Tonya Hairston en
GrowingGreenWithPride@co.pg.md.us
o 301-499-8641 para obtener más información.



La referencia en este folleto a cualquier firma, entidad, negocio o corporación específica por su nombre tiene el propósito limitado de proporcionar información y conveniencia al público y no constituye respaldo, recomendación o favor por parte del condado de Prince George, Maryland.
Los contenidos son propiedad de los autores y no representan necesariamente las opiniones oficiales ni el respaldo del condado de Prince George, Maryland.



Angela D. Alsobrooks
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Welcome Deputy Director!



Michael D. Johnson, P.E.
Director



Welcome DPW&T's newest addition to our leadership team!

Deputy Director Stacey Smalls



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County Executive



Michael D. Johnson, P.E.
Director

Office of Highway Maintenance

Prince George's County, DPW&T

Presented by Mike Brown
Office of Highway Maintenance



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Snow Events



Michael D. Johnson, P.E.
Director



- OHM ran a successful snow season with 7 snow events that ran from December 15th through March 15th.
- OHM staff worked extremely hard operating between 12-hour shifts.
- The County Executive Ms. Angela Alsobrooks visited our command center, met with drivers, District Managers, Foreman, clerks, and members of the command staff. The County Executive provided hot chocolate and donuts and thanked everyone for their hard work. She also thanked crews over the Dispatch system.
- OHM team is currently crafting a detailed after-action report that will also include budget information.



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Contracted Tree Trimming



Michael D. Johnson, P.E.
Director

The Tree Team is doing amazing work reducing 311 numbers and addressing storm events!

- Tree trimming is accomplished by service request and/or inspections and issued to contracted vendors for scheduling and completion. Tree and stump removals are provided when the tree is found to be dead or when dead tree limbs fall to the ground because of inclement weather and stormy conditions.
- **OHM has successfully completed all tree Motorola requests!**
- OHM is continuing to develop strategic processes and exploring new contracts to address tree 311 requests.





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Precision Concrete Horizontal Cutting

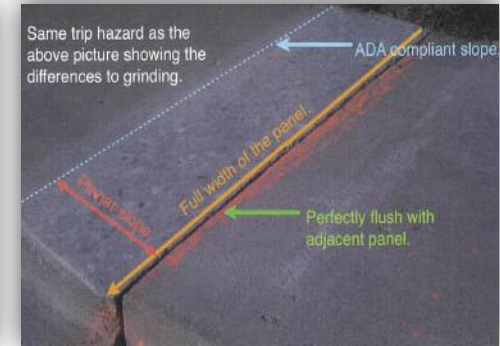


Michael D. Johnson, P.E.
Director

Innovative Solutions to address Sidewalk Requests!

OHM has contracted with Precision Concrete Cutting to evaluate the condition of sidewalks in 19 communities throughout the county to remove the tripping hazards. So far PCC has evaluated over 65 miles of sidewalks throughout 11 communities and have noted over 10,000 tripping hazards and 633 areas where panels need to be replaced. Over 4,500 repairs have been made in a timely manner. PCC is continuing to evaluate sidewalks in additional communities:

- Maplewood Subdivision Woodlawn Subdivision, Councilmanic District
- Montpelier Woods, Councilmanic District 1
- Cool Springs, Councilmanic District 2
- Hillmeade Estates, Councilmanic District 4
- Willow Hills, Councilmanic District 5
- Fairwood Community, Councilmanic District 6
- Fort Washington Estates, Councilmanic District 7
- Montpelier Ridge, Councilmanic District 1
- Hampshire Knolls, Councilmanic District 2
- Rutledge Subdivision, Councilmanic District 3
- Wood Pointe, Councilmanic District 3
- Highbridge Estates, Councilmanic District 4
- Yorkshire Knolls, Councilmanic District 5
- Valleybrooke Townes, Councilmanic District 6
- Piscataway Hills, Councilmanic District 7
- Tantallon South, Councilmanic District 8
- Broad Creek Estates, Councilmanic District 8



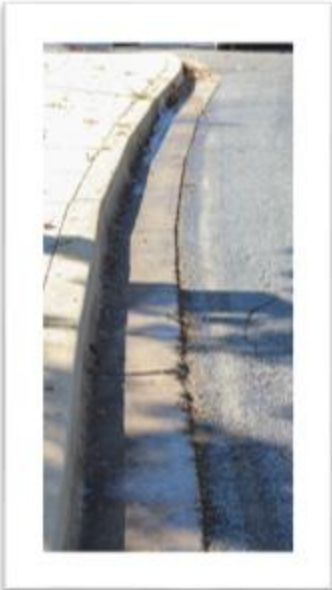


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Residential Street Sweeping Program



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Director



- DPW&T will implement a countywide residential sweeping program (RSSP) in two phases:
 - Phase I will utilize three (3) sweepers and service approximately 716 curb-miles of roadway per month
 - Phase II will utilize six (5) sweepers and service approximately 1,571 curb-miles of roadway per month.
- The frequency will be monthly (every 5 weeks) for Phase I beginning in March 2024 and Phase II tentatively in Fall 2024.
- New positions have been created for this new initiative and interviews are scheduled for RSSP Operators and Supervisor.
- The GIS Team has designed sweeping areas throughout each District. These areas will make up sweeping zones.
- RSSP Team collaborated with the Communications Team and the GIS Team to develop a distribution plan for public consumption.



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Director

Office of Storm Drain Maintenance

Prince George's County, DPW&T

Presented by Joanna Smith
Associate Director, Office of Storm Drain Maintenance



Angela D. Alsobrooks
County Executive

OSDM: What We Do?



Michael D. Johnson, P.E.
Director

Joanna Smith
Associate Director

Stormwater Infrastructure Restoration and Improvement

- Stormwater Infrastructure Improvement and Repairs
- Minor CIP Projects
- Small Scale Drainage Improvement Projects
- Outfall Restoration and Rehabilitation
- Contract Management

Jet-Vac Storm Drain Maintenance

- Storm Drain Pipe and Inlet cleaning
- Service Request Response (PGC311)
- Watershed Community Cleanup Program with DoE
- Contract Management

SWM Ponds Maintenance and MS4 Permit and Consent Decree

- NPDES Compliance
- SWMFs Maintenance
- Triennial Inspections
- SWMF Rehabilitation
- Structural Repairs
- Vegetation Management
- Animal Control
- Contract Management

Channel Maintenance & Reconstruction

- 27 Miles of Stormwater Channels Maintenance
- 1200 Open Conveyance swales Maintenance
- Structural Repairs
- Vegetation Management
- Sediment and Debris Removal
- Animal Control

Right Tree Right Place & Median Beautification

- Urban tree canopy
- Air Quality Improvement
- Replacement of hazardous trees
- Median Beautification
- Community Outreach
- Grant Management
- Contract Management

Pumping Stations - Storm Monitoring and Flood Protection

- Monitors and Operates 5 Pumping Stations
- Monitor forecasted Storm Events
- Implements Rain Action Plan and Coordination with DoE and OEM
- Updates Operation and Maintenance Manuals
- Functional Maintenance and Upgrades of mechanical assets

Levees Operations and Maintenance

- Maintenance of 8 Levee Systems
- Vegetation Management
- Animal Control
- Stabilization & Repairs
- Maintenance of internal drainage systems
- Sediment and Debris Removal



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Drainage Concerns and Improvements



Michael D. Johnson, P.E.
Director

18,000

drainage complaints
annually



Resolve customer
service requests (311)

800+

stormwater drainage
facilities



1200+ by 2025

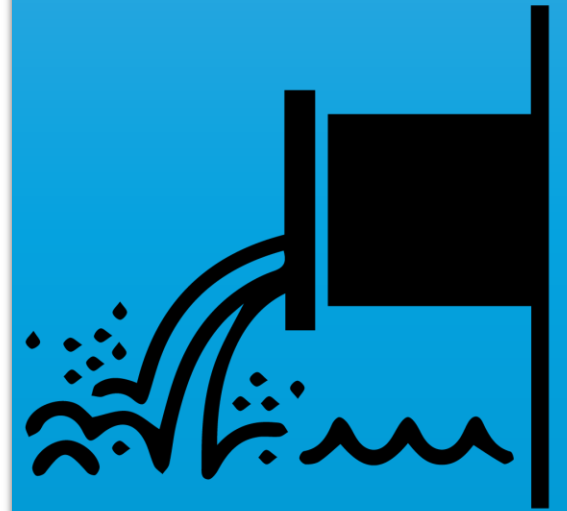
100 - 200

small drainage
projects per year



800+

miles of storm drain





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Flooding Awareness



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Director

April is Maryland Flood Awareness Month Event!!

The State of Maryland is hosting two events for Flood Awareness Month: **18, April 2024: How communities are preparing for flooding (12-1pm ET and 6-7pm ET)**

<https://md-resiliency-partnership-maryland.hub.arcgis.com/pages/events>

Flooding is the number one natural hazard in Maryland and are four times more likely to occur than a fire.

The County has experienced extreme and intense summer storm events the last several years. Generally, the timeline for the more intense storms in Maryland has historically occurred from **June 1st through October 1st**.

Severe storms are defined as those forecasted to produce more than 1 inch of precipitation during the summer months, characterized by their unpredictable nature and short durations (less than 30 minutes).

Be FloodSmart

Floods are the nation's most common and costly natural disaster and they can happen anytime...anywhere. Floods occur in all 50 states and you can be a victim of flooding, even if you live miles away from water. During Flood Awareness Month in Prince George's County, learn more on what causes flooding and how to protect your home.

What causes flooding? In just a few hours, hurricanes and summer thunderstorms can bring heavy rain, which can lead to severe flooding.

How do you protect your home?

- 1 Alert Prince George's**
Whether you live in a high, moderate or low risk area, everyone is at risk for flooding. The County offers a notification service that sends you a text or email in the event of a major flood. To sign up, visit alert.mypg.us
- 2 Purchase flood insurance**
Remember, most homeowners insurance does not cover floods. Flood insurance can be purchased through the National Flood Insurance Program, which offers Prince George's County residents up to a **25% discount**.
From 2007 to 2016, total paid flood losses nationwide averaged more than **\$2.3 billion per year**.
Buy insurance before the water starts to rise!
It takes 30 days after purchasing flood insurance for the policy to go into effect.
- 3 Make a flood plan**
Know evacuation routes and keep important papers in a safe, waterproof place.
- 4 Help prevent local flooding**
Keep trash and debris away from storm grates and inlets.

Know if you live behind a LEVEE
It's important to understand the risk to life and property associated with flooding behind levees located in the Annapolis Watershed. Residents who live behind levees are encouraged to understand their risks and prepare accordingly. To learn more, visit the Federal Emergency Management Agency (FEMA) Web site at www.fema.gov.



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Prepare for the Storm



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When a Severe/Intense storm is predicted (rainfall rates at 1 inch per hour or more for an hour), the County will:

- ❖ DPW&T activates Rain Plan, triggering pump station operations, jet-vac, and inspectors to prepare the County's infrastructure for the incoming storm when the forecast calls for rainfall rates at 1 inch per hour or more for an hour,
- ❖ DPW&T will inspect chronic flooding locations and clear debris from inlets and storm drains before predicted storms.
- ❖ To assist residents in mitigating potential flooding incidents, DPW&T will provide sandbag pick-up locations at three designated sites 48-72 hours before the onset of severe storms between June 1st and October 31st.
- ❖ During this timeframe, residents are encouraged to consult social media platforms and the agency's website for further details.



But we all have a role to play.....



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We all have a role to play:



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Abutters Ordinance: Homeowner is responsible for cleaning small debris, leaves and small trash.

County Code Sec. 23-151

It shall be the duty of the owner or lessor of any real property, improved or unimproved, unless such duty has been delegated to a lessee in actual possession, as the case may be, **to prevent the deposit of dirt, sediment, debris, gravel, oil, litter, or any other matter, including portable storage containers in a road right-of-way, or in any drain or ditch designed to carry surface water from a road right-of-way, whether improved or not.** For the purpose of this Section, the deposit of oil shall include the drainage or leakage of oil, transmission fluid, antifreeze, and similar substances from a vehicle or machine in addition to the discharge or dumping of such substances by any other means. The prevention of the deposit of silt in the road right-of-way shall not apply where a temporary approved sediment trapping device has been constructed in the right-of-way as part of an ongoing development construction project. It shall also be the person's responsibility to prevent the formation of algae on sidewalks located within the right-of-way.

Keeping your storm drain or inlets from clogging is easy and always preventable.

You can start by always

- **Remove debris and trash from the grates when you see them.**
- **Clear debris from the curb line and on top of catch basins so stormwater can flow freely down the street and into the storm drain system.**
- **Not dumping trimmings, grass, or leaves over the inlet, ditches, or curb line can assist in preventing clogging.**
- **Report concerns to assist OSDM operation by Submit a PGC311 Request**



Why are we talking about flooding?



PDS-based precipitation frequency estimates with 90% confidence intervals (in inches)¹

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.358 (0.325-0.394)	0.430 (0.390-0.473)	0.511 (0.463-0.563)	0.570 (0.515-0.628)	0.646 (0.580-0.712)	0.702 (0.627-0.775)	0.758 (0.672-0.838)	0.812 (0.716-0.902)	0.882 (0.768-0.985)	0.937 (0.809-1.05)
10-min	0.572 (0.519-0.629)	0.688 (0.624-0.756)	0.818 (0.741-0.901)	0.912 (0.824-1.00)	1.03 (0.924-1.14)	1.12 (0.998-1.23)	1.21 (1.07-1.33)	1.29 (1.13-1.43)	1.40 (1.22-1.56)	1.48 (1.27-1.66)
15-min	0.715 (0.649-0.787)	0.864 (0.784-0.950)	1.03 (0.938-1.14)	1.15 (1.04-1.27)	1.31 (1.17-1.44)	1.42 (1.26-1.56)	1.52 (1.35-1.68)	1.63 (1.43-1.80)	1.76 (1.53-1.96)	1.85 (1.60-2.08)
30-min	0.981 (0.889-1.08)	1.19 (1.08-1.31)	1.47 (1.33-1.62)	1.67 (1.51-1.84)	1.93 (1.73-2.13)	2.13 (1.90-2.35)	2.33 (2.07-2.58)	2.53 (2.23-2.81)	2.79 (2.43-3.12)	3.00 (2.59-3.37)
60-min	1.22 (1.11-1.35)	1.50 (1.36-1.65)	1.89 (1.71-2.08)	2.18 (1.97-2.40)	2.57 (2.31-2.84)	2.89 (2.58-3.19)	3.21 (2.85-3.55)	3.55 (3.13-3.94)	4.01 (3.49-4.48)	4.38 (3.78-4.92)
2-hr	1.42 (1.29-1.57)	1.73 (1.57-1.91)	2.19 (1.99-2.42)	2.55 (2.30-2.81)	3.06 (2.74-3.37)	3.47 (3.09-3.83)	3.91 (3.46-4.31)	4.36 (3.83-4.83)	5.01 (4.34-5.58)	5.53 (4.75-6.21)
3-hr	1.52 (1.38-1.69)	1.85 (1.68-2.06)	2.35 (2.12-2.60)	2.75 (2.47-3.04)	3.34 (2.95-3.66)	3.78 (3.35-4.18)	4.27 (3.75-4.73)	4.80 (4.18-5.33)	5.55 (4.77-6.19)	6.17 (5.23-6.93)
6-hr	1.86 (1.69-2.07)	2.26 (2.05-2.51)	2.85 (2.58-3.17)	3.34 (3.00-3.70)	4.06 (3.62-4.50)	4.69 (4.18-5.19)	5.34 (4.67-5.93)	6.06 (5.24-6.76)	7.12 (6.06-8.00)	8.01 (6.71-9.05)
12-hr	2.25 (2.02-2.52)	2.71 (2.44-3.05)	3.45 (3.09-3.87)	4.08 (3.64-4.57)	5.04 (4.44-5.63)	5.87 (5.13-6.57)	6.80 (5.87-7.63)	7.84 (6.67-8.82)	9.42 (7.84-10.7)	10.8 (8.82-12.3)
24-hr	2.60 (2.37-2.90)	3.15 (2.87-3.52)	4.07 (3.69-4.53)	4.87 (4.40-5.41)	6.09 (5.47-6.73)	7.17 (6.39-7.89)	8.40 (7.41-9.20)	9.78 (8.54-10.7)	11.9 (10.2-13.0)	13.8 (11.7-15.0)

June 5, 2020: 50-100-year event

July 3, 2022: 100-200-year event

August 3, 2020: 100-500-year event

Sept. 10, 2020: 500-1000-year event

August 8, 2022: 500-year event



Angela D. Alsobrooks
County Executive

NPDES SWM Pond Maintenance What to Expect?



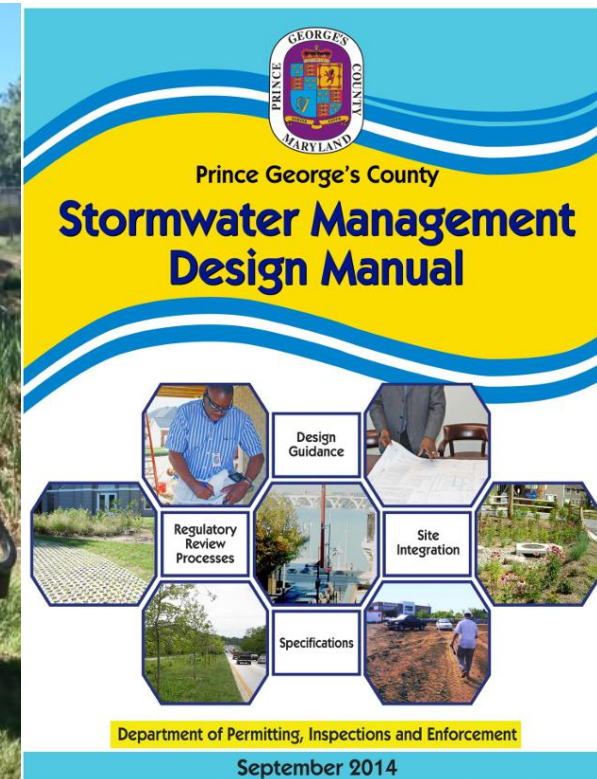
Michael D. Johnson, P.E.
Director

Regular Maintenance:

OSDM is responsible for the Functional Maintenance of 900 SWM Facilities.

- ❖ Functional maintenance of county public storm drain and stormwater management facilities shall be performed by Prince George's County.
- ❖ The property owner, homeowners association, condominium association, or business park association shall perform aesthetic maintenance of public stormwater management facilities.
- ❖ Functional maintenance shall include mowing of grass once a year

- Mowing of SWM Facilities twice a year – Spring and Summer.
- Removal of debris or sediment build-up that results in clogging or loss of function- 52,000 CY of sediment removed in FY24.
- Perform Triennial Inspections as required by MDE.
 - ❖ 228 Facilities require inspections in FY24.
 - ❖ 167 Completed to date.
- Life cycle maintenance, including replacing pipes, structures, damaged or inoperable valves, stairs, trash racks, and repair to the structural integrity of embankments, outfalls, and access roads.



Section 5.2.5 of SWM Design Manual defines standards for public versus private storm drain and SWM systems.



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County Executive

NPDES SWM Pond Maintenance & MDE Consent Decree



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Director

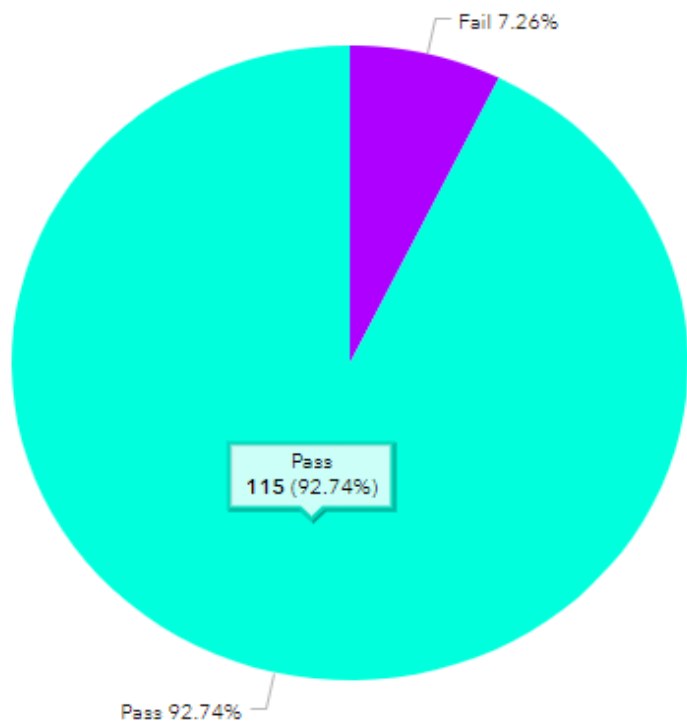
Consent Decree – 122 Failing SWM facilities and 16 Restoration BMPs were identified in the Consent Decree as failing

Regular Maintenance:

- 46 Facilities restored and reinspected in FY24.
- 10 Additional Ponds scheduled for FY24

Triennial Inspections:

- 228 Facilities require inspections in FY24.
- 167 Completed to date



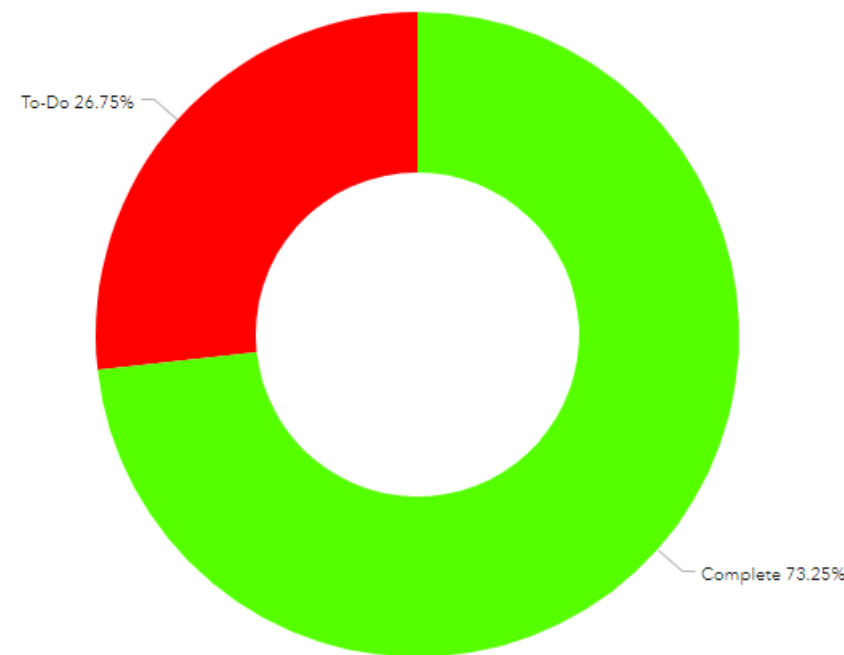
How are we doing?

SWM Facilities – Consent Decree

- 92.74% completed - 120 SWM Facilities are now Passing, and 7 are completed but pending post-construction re-inspection.
- OSDM is on track to complete the Consent Decree by April 2024.

Consent Decree Restoration BMPs

- 100 % completed





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County Executive

Right Tree Right Place



Michael D. Johnson, P.E.
Director

DPW&T was awarded the CBT Urban Tree Grant Fund for \$1.0 Million towards RTRP.



RIGHT TREE RIGHT PLACE

Prince George's County Tree Removal & Planting Program

Prepared By:
the
Neighborhood
DesignCenter
04.11.23

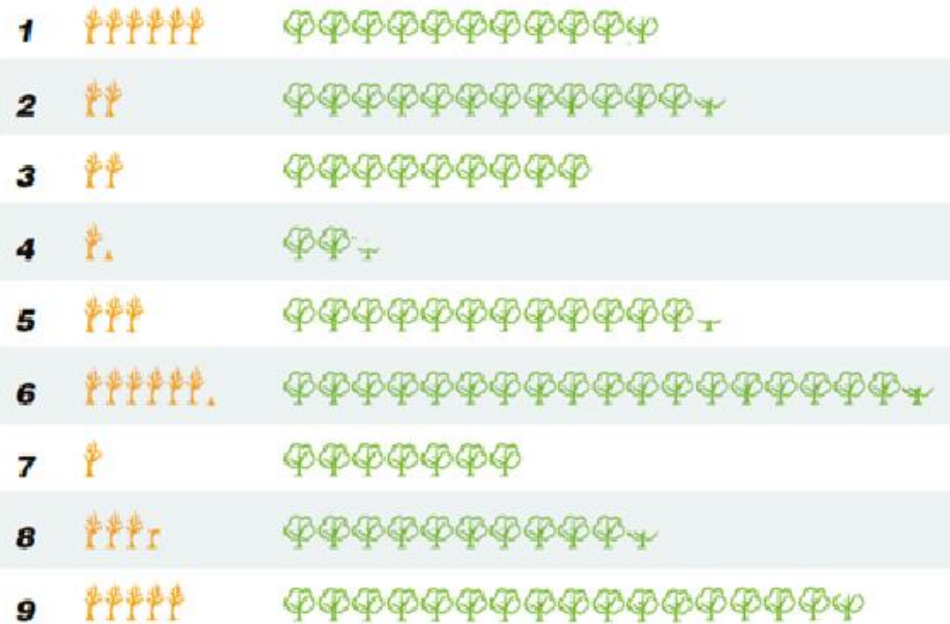
FY 24 RTRP PERFORMANCE

■ FY Goals ■ Completed to Date

	FY Goals	Completed to Date
NO. OF NATIVE TREES	4000	3696
NO. OF TREES PLANTED	8000	7000
PLANTING LOCATIONS	57	46



Trees Removed & Planted Per Council District FY11-FY24



74,724
total trees planted

Key

- 500 trees planted
- 500 dead or damaged trees removed

300+
participating communities

90+
species of trees have been planted between FY 2011-2022

500+
miles of county roadway have received tree plantings



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Median Beautification Pilot



Michael D. Johnson, P.E.
Director

OSDM kicked off the Median Beautifications for the Fall Season – September 25, 2023.

OSDM Goal for FY 24 – Installation of Twenty (20) sites throughout the County.

16 Sites have been completed – 80%



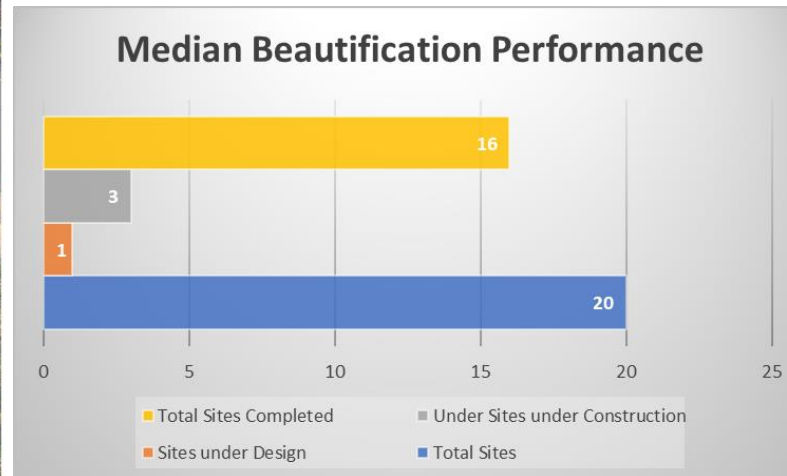
SAMPLE LOCATION:
Campus Way S @ Prince Pl, Largo



BEFORE

LOCATION:
Bowie - Mount Oak Rd @ Church Rd (D 4/6)

Total Sites	20
Sites under Design	1
Sites under Construction	3
Total Sites Completed	16



Sep. 23, 2023



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Director

Office of Transportation

Prince George's County, DPW&T

Presented by Semia Hackett
Associate Director, Office of Transportation



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County Executive

Transit Vision Plan



Michael D. Johnson, P.E.
Director

We're out in the community sharing our Transit Vision Plan

The Office of Transportation has been involved in many Transit Vision Plan events in County! Continuously, sharing knowledge on the Transit Vision Plan and additional transit services; Call-A-Bus, and Call-A-Cab. Participated in over 15 events reaching over 400 stakeholders: young adults, seniors, government agencies, public libraries, and community members.





Transit Forward OTP Improvements



NEW ROUTES!!



Greenbelt-Laurel



Largo - Landover

Route Adjustments



11

28

30

35

36

37

Microtransit



Three additional zones in the County



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Transit Demand Management (TDM)



Michael D. Johnson, P.E.
Director



RideSmart COMMUTER SOLUTIONS

The mission of the RideSmart Solutions program is to achieve quantifiable mode shift to non-single occupancy vehicle (SOV) options for commuters and travelers in Prince George's County.



Upcoming Events:

PGCPD Community Event – March 30

USPTO Green Fair – May 1

Bike-to-Work Day – May 17

WABA Youth Summit – April 13

Maryland Highway Safety Summit – May 13

M-NCPPC Senior Health & Fitness Day – May 22

Get on Board Community Day – April 25

Senior Information Fair – May 14



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Office of Engineering & Project Management

Prince George's County, DPW&T

Presented by Kate Mazzara
Associate Director, Office of Engineering and Project Management

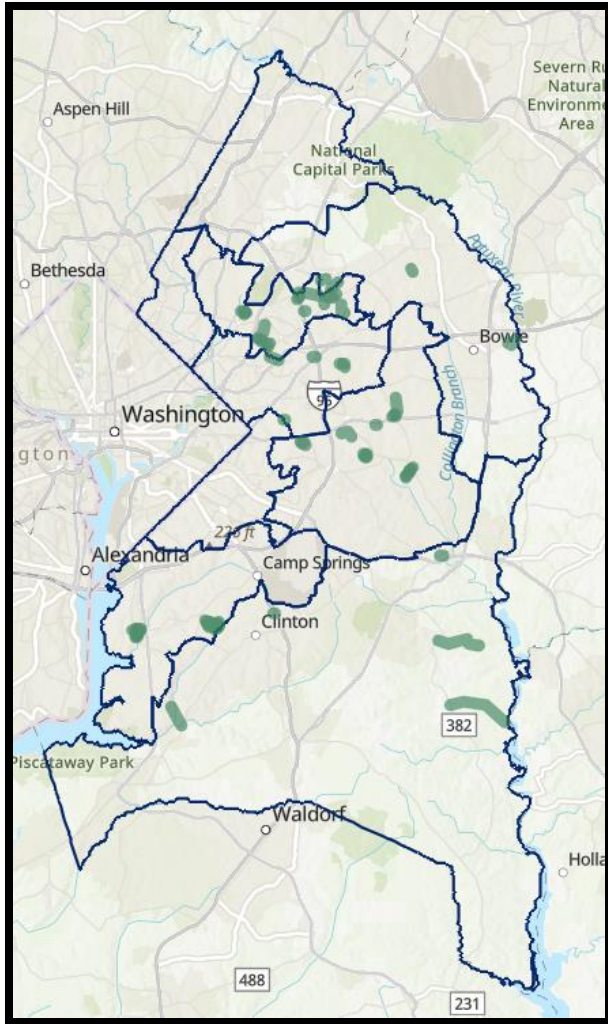


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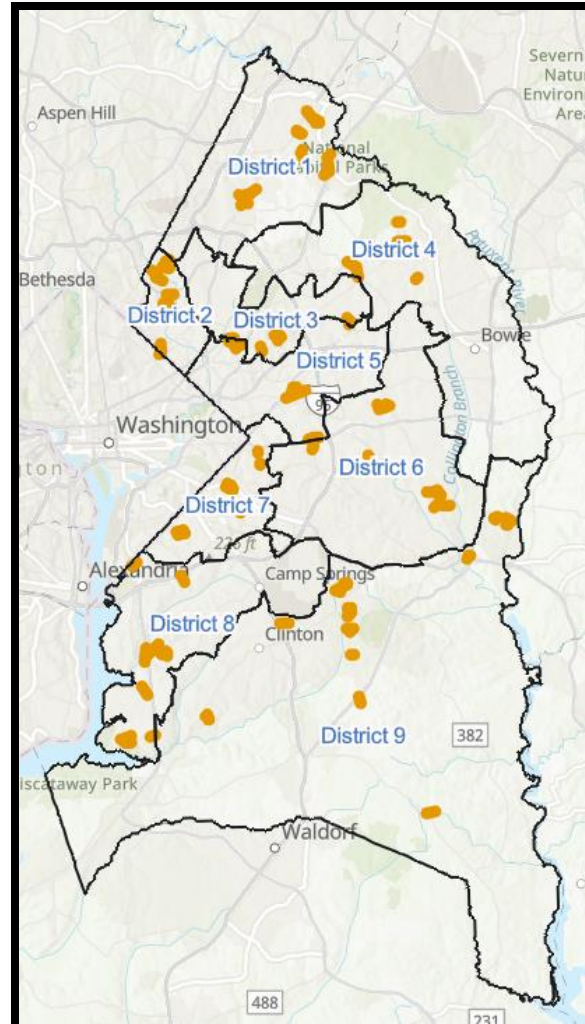
Office of Engineering and Project Management



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Completed



Proposed



Mitchellville Rd.

Prince George's County's Roadway Preservation Program

2023 Construction Season as of October 2023

Please note: this program may change due to weather and/or operational reasons.



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Stay connected with us!

See our website at dpwt.mypgc.us



Follow us on social media @PGCountyDPWT