TAKOMA PARK RESILIENCY PLAN

Community Kick-off Meeting November 2022





transform your environment

Low Impact Development Center



WORK SESSION GOALS

- Inform Community on progress
- Develop common understanding of key resiliency issues for the City
- Present project approach
- Get input on project approach and process for feedback

KEY MILESTONES/DELIVERABLES

- Draft timeline for deliverables
- Selection and acquisition of datasets
- Draft runoff analysis calculator
- Initial desktop analysis
- Field verification
- Initial H and H studies and interim report
- Selection of focus areas
- Scenario development

KEY MILESTONES/DELIVERABLES

- Draft recommendations
- Toolbox development
- Dashboard
- Code recommendations
- Interim work sessions/meetings
- Draft report
- Final report and briefing

INTERIM DELIVERABLES

- Data sets
- Desktop analysis reports
- Field visit reports
- Review of 20 +- drainage subsheds
- Identification of two focus subsheds
- H and H studies (screening and final)
- Recommendations
- Meetings/progress reports

DASHBOARD

- Each property has a unique log-in
- GUI for design storm volume calculator (NRCS methods)
- Posting of examples of ways to reduce impacts of runoff
- Links to incentive programs
- Links to contractors and other resources
- Tracking and reporting of web visits

WHAT ARE THE KEY ISSUES?

- Life and Safety
- Not all flooding is in the floodplain
- How to prevent property damage
- Prioritization of capital improvements and resource needs
- What can private property owners do?

EVERYTHING YOU NEED TO KNOW ABOUT CLIMATE CHANGE AND STORMWATER IN FIVE MINUTES



Runoff Hydrographs Comparing the 2-Hour and 24-Hour Duration Storms



So where does all this water come from?







What do people spend their money on to deal with stormwater?

Courtesy Somerset

REQUIRED AND POTENTIAL DATA SOURCES

- Montgomery County GIS
- Tree survey
- Takoma Park DPW storm drain mapping
- Drainage Complaints
- Anecdotal (TSS, FOSC)
- Environmental Justice (MD, EPA, DNR)
- Field analysis
- Weather data
- Master plan

COMPOSITE GIS MAP

COMPOSITE OFFICE/FIELD/SURVEY SITE CONDITIONS

Z:\Grants\L_2419 Somerset\Tasks\Drawing\PLOT\Drainage Area Plan.dwg, 9/3/2021 12:32:30 PM, AutoCAD PDF (General Documentation).pc3

EXAMPLE OF A PRIORITY DRAINAGE CLUSTER PROJECT

FLOW DIRECTION

better.

Slight grade from East to West on this block.

Dorset & Essex as it collects from

the connected lots. Looking to

beautify and infiltrate water

Water tends to aggregate

IMPERVIOUSNESS Your property is roughly 26% impervious.

We based our estimated between the property lines along measurements on:

107.029ft2

Total Lot(s) ft2: 407,291 ft2 **Total Impervious Coverage ft²:**

HYDROLOGIC SOIL RATING:

Group B.

These consist of deep well drained soils with a moderately fine to moderately coarse texture and a moderate rate of infiltration and runoff.

Rainplan

LEGEND:

SIGNIFICANT FLOODING	•
FLOODING	
MINOR FLOODING	0
NO FLOODING	
DID NOT RESPOND	0
EXISTING PIPE	_
PROPOSED PIPE	_
DRAINAGE AREA	
PROPERTY LINES	-
EXISTING 2 ft CONTOURS	
IMPERVIOUS SURFACE	
EXISTING PRIVATE BMP	Θ
DRAINAGE DIVIDE ARROW	>
STORM DRAIN EASEMENT	=:
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General Recommendations For All Properties

Focus Area Scenarios

Current Condition 25% Selective Clogging

19

CONTACT THE TEAM

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