

WE HAVE A FLOODING CHALLENGE ... WHAT DO WE DO?

Solving flooding issues is a complex process. With serious community concerns along Commonwealth Ave, Ashby St, and Glebe Rd, the City identified the source of the problem, investigated potential solutions, designed a solution and engaged the public throughout all phases of project development.

01 IDENTIFY



“THERE IS TOO MUCH FLOODING!”
Water levels rising in streets and homes cause distress, economic hardship, and property damage. Frequent flooding at Commonwealth Ave and E Glebe Rd, and Ashby St and E Glebe Rd, were identified through reported and observed flooding and through the City of Alexandria Storm Sewer Capacity Analysis (CASSCA).

02 INVESTIGATE

COLLECT AND ANALYZE DATA

We discovered flooding is caused by:
Undersized storm sewer pipes;
Insufficient curb inlets; and
Increases in storm intensity and frequency.



FIELD SURVEY AND MODELING

We collected detailed survey of the area's existing conditions and created a stormwater model of pipes and topography. The model helps us quickly evaluate potential solutions and their benefits to alleviate flooding.

REVIEW ALTERNATIVES

We examined several potential solutions (through an alternatives analysis) and developed a concept level design - the basis for the infrastructure solution going forward.



03 DESIGN AND BUILD

IRON OUT THE DETAILS

We gather field data and create more detailed designs of the stormwater project, called 30% and 60% designs.



FINALIZE DESIGN

We call this 100% design. We update the design based on any new information received. After we get final approvals, we then develop a phased construction approach to deliver the greatest benefits at the earliest time.

CONSTRUCTION

We request bids from contractors. The selected contractor obtains permits and begins construction.



ANTICIPATED PROJECT SCHEDULE

Project Planning:
Feb 2022 - Nov 2022



Engineering Design and
Community Meetings:
Dec 2022 - July 2025
(Estimated)

Construction: Spring 2026
to early 2028



FOR PROJECT
UPDATES

**COMMONWEALTH, ASHBY, GLEBE
FLOOD MITIGATION PROJECT**

WWW.B.LINK/CAGFMP