

Overland Flow Checks (OFC): Through-Site Drainage

Applicants for development permits should be aware of the following requirements before seeking permits:

1. Beginning April 1, 2023, any proposed developments that include the construction of new drainage features will be required to ensure that water from contributing watershed can be conveyed adequately.
 - New drainage ways must be constructed to meet current drainage needs.
 - New drainage ways must also have adequate servitudes to account for the future needs of contributing watersheds.
2. To ensure that new drainage features do not cause an increase in peak water surface elevations at all inflow locations, the City of St. George may require an overland flow check performed.
3. Proposed drainage ways must meet the requirements for the drainage sections as described in *Chapter 15 Floodways, Floodplains, Drainage, and Water Quality* document.
4. If an OFC is required, the applicant will be notified through GovMotus.org.

Offsite Drainage Assessment (ODA): Conveyance Zones

Applicants for development permits should be aware of the following requirements before seeking permits:

1. Beginning April 1, 2023, any proposed developments that include the construction of new drainage features will be required to ensure that water can be conveyed adequately through existing streams and channels, and storage of flood discharges is maintained.
 - The ODA will assess flooding impacts upstream and downstream of the proposed development, which should not cause an increase in existing peak water surface elevations for the 2-, 10-, 25-, and 100-year storm events.
2. Conveyance zones are defined as areas that are critical to conveyance and storage of flood discharges for the 100-year event.
 - Conveyance zones established by the City of St. George have been made available on the EBRGIS open data website (<https://ebrgis.maps.arcgis.com/home/index.html>) beginning on April 1, 2023.
3. Proposed drainage ways must meet the requirements for the drainage sections as described in *Chapter 15 Floodways, Floodplains, Drainage, and Water Quality* document.
4. If an ODA is required, the applicant will be notified through GovMotus.org.

For the City of St. George to complete the modeling required, the applicant must submit the following to Engineering@stgeorgela.gov:

1. Complete plan set in PDF format. Please ensure the plan set includes the following items:
 - A detailed description of proposed development.
 - Proposed location of the subject development and adjacent developments and infrastructure.
 - Proposed drainage feature dimensions:
 - i. For detention, ensure all dimensions (area, depth, and slopes) are provided.
 - ii. For subsurface systems and culverts, ensure entire pipe network layout is provided, including all pipe lengths and dimensions.
2. Shapefile and/or CADD file of proposed drainage features,
 - If subsurface system or culverts are proposed, please ensure that entire drainage network within the development area is included.
 - If detention is proposed, please ensure that surface and contour files are provided.

If additional information is required, the City of St. George will contact the applicant through the email that has been provided. Upon approval, the applicant will be notified through GovMotus.org.