The Windsor Woods Drainage Project
Thalia Creek Tide Gate
CIP 7-028

November 2018
Objectives

▪ To Inform Residents
▪ Provide Project Brochure
▪ Seek Input/Comment Sheet
▪ Provide Opportunity for One-On-One Dialog
Windsor Woods Thalia Creek Tide Gate

Tide Gate => Blocks Incoming Tide=>
Stormwater Storage
Lake Windsor Drainage Improvement
Thalia Gate Project

Interim Pumping Facilities
Permanent Gate at Thalia Creek
Thalia Creek Tide Gate

Permit application being prepared for filing with the USACE and the VA DEQ.
Lake Windsor is influenced by the incoming tide and stormwater runoff.
Lake Windsor Thalia Creek Tide Gate

Storage Capacity at Low Tide

Water Level at Low Tide
Lake Windsor Thalia Creek Tide Gate

Water Level at High Tide

Water Level at Low Tide
RAINFALL EVENT - FLOODING OCCURS

Available Remaining Storage is Exceeded

Water Level at High Tide

Water Level at Low Tide

Lake Windsor Thalia Creek Tide Gate
Lake Windsor Thalia Creek Tide Gate

Storage Capacity for Stormwater Becomes Available

Water Level at Low Tide

Incoming Tide Influence Eliminated
Example of Interim Pumping Facilities

Courtesy of Baker Corporation
Public Works Service Requests

(757) 385-1470

https://www.vbgov.com/government/departments/public-works/Pages/service-requests.aspx
Public Works and Michael Baker staff are available to a further discuss the tide gate

Table 1 – Preliminary Concept Plan for the Combined Drainage Project

Table 2 – Tide Gate Location, Rendering and Benefits

Table 3 – Detailed Project Area Maps