

IN ACCORDANCE WITH 9VAC25-870-47(C), THIS APPLICATION IS SUBJECT TO PART II B TECHNICAL CRITERIA OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM REGULATIONS. HOWEVER, PER 9VAC25-870-10, THIS PROJECT IS CATEGORIZED AS A LINEAR DEVELOPMENT, AND THEREFORE IS EXEMPT FROM FLOOD PROTECTION REGULATIONS PER 9VAC25-870-98(D).

WATER QUALITY

IN ACCORDANCE WITH 9VAC25-870-43(A)(2), THIS APPLICATION IS REQUIRED TO REDUCE TOTAL PHOSPHORUS LOAD FROM THE PREDEVELOPMENT CONDITION BY 20% (SEE VRRM COMPUTATIONS ON SHEET C9.1 FOR PHOSPHORUS LOAD REDUCTION REQUIREMENT). PER 9VAC25-870-45(F), THIS APPLICATION ELECTS TO MEET WATER QUALITY REQUIREMENTS BY UTILIZING OFFSITE COMPLIANCE OPTIONS, SPECIFICALLY THE PURCHASING OF WATER QUALITY CREDITS IN THE AMOUNT OF 2.70 LBS PHOSPHORUS PER YEAR. THE VENDOR SHALL BE SELECTED AT THE DISCRETION OF THE CITY, PROVIDED THE VENDOR IS AN APPROVED PROVIDER OF NUTRIENT CREDITS PURSUANT TO 9VAC25-870-69. PURCHASE WILL BE FINALIZED UPON PLAN APPROVAL.

STORMWATER MANAGEMENT NARRATIVE

SCALE: N/A

WATER QUANTITY

FLOOD PROTECTION

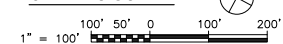
AS PREVIOUSLY STATED, THIS APPLICATION IS EXEMPT FROM CONTROLLING POSTDEVELOPMENT STORMWATER RUNOFF FOR FLOODING IN ACCORDANCE WITH 9VAC25-870-66(C).

CHANNEL PROTECTION

IN ACCORDANCE WITH 9VAC25-870-66(B) 1.A, THIS APPLICATION ELECTS TO MEET CHANNEL PROTECTION CRITERIA BY CONVEYING THE POSTDEVELOPMENT PEAK FLOW RATE FROM THE 2-YEAR 24-HOUR STORM WITHOUT CAUSING EROSION TO AN ADEQUATE OUTFALL. SEE SHEET C9.4 FOR OUTFALL MAP AND NARRATIVE.

City of Roanoke
 Planning, Building, & Development
 COMPREHENSIVE DEVELOPMENT PLAN
APPROVED
 by Adrian Gilbert 11/07/2017

GRAPHIC SCALE:



LINE+GRADE
 CIVIL ENGINEERING

COLONIAL AVENUE REDEVELOPMENT PROJECT
 CITY OF ROANOKE, VIRGINIA
 STORMWATER MANAGEMENT PLAN



DESIGNED: L+G
 CHECKED: L+G
 APPROVED: DCH
 DATE: 15 SEPT 2017
 L+G PROJ. NO: 1510100

SHEET NUMBER:

C9.0
 SHEET 81 OF 113