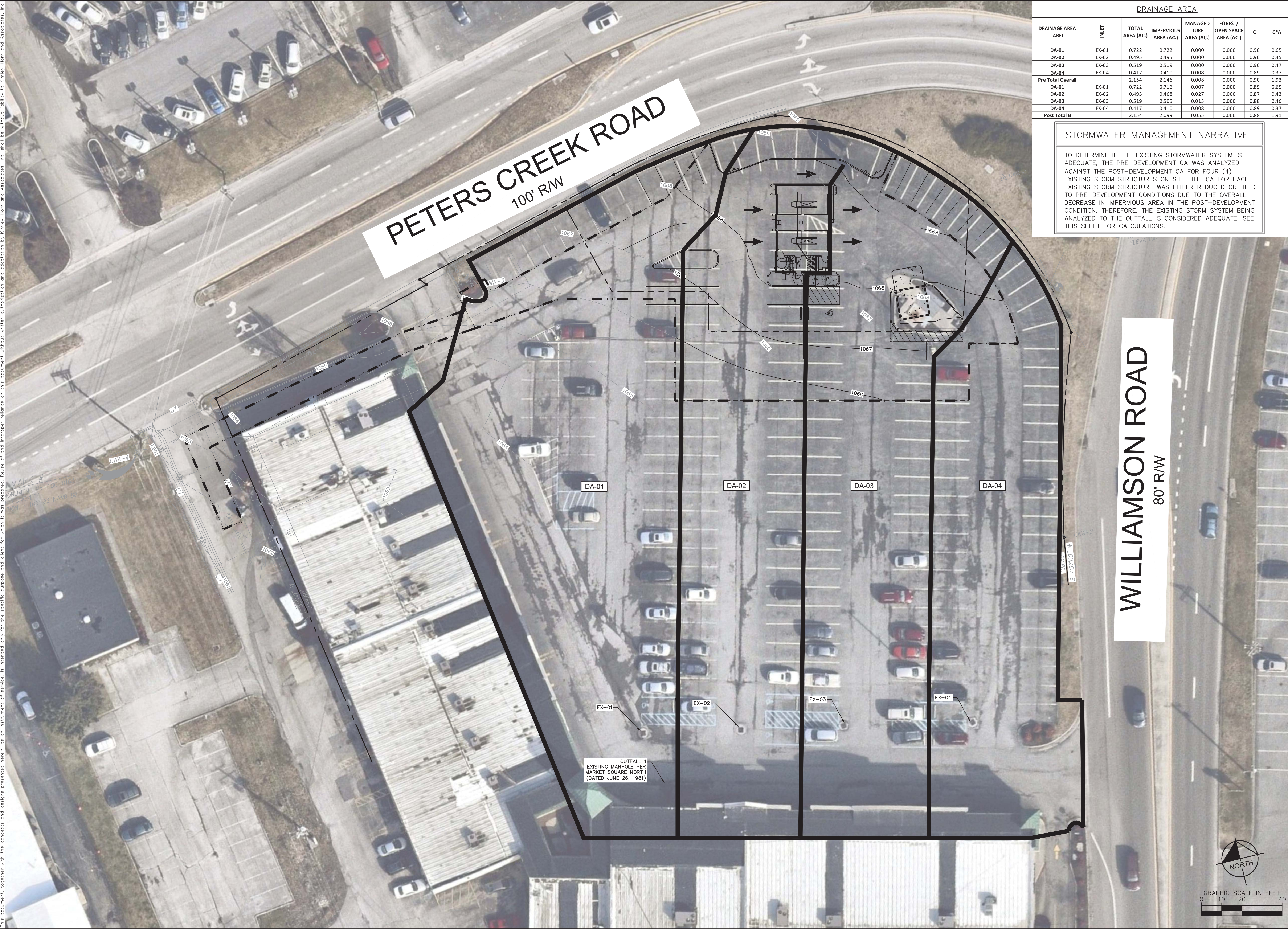


Plotted By: Anderson, Laura Sheet Set: KHA Layout: CG-202 Overall Stormwater Management Plan February 23, 2022 01:09:35pm K:\RIG-CVA\113418 Take 5\005 Williamson Rd Roanoke\CAD\PlanSheets\CG-202 Overall Stormwater Management Plan.dwg
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DRAINAGE AREA							
DRAINAGE AREA LABEL	INLET	TOTAL AREA (AC.)	IMPERVIOUS AREA (AC.)	MANAGED TURF AREA (AC.)	FOREST/ OPEN SPACE AREA (AC.)	C	C*A
DA-01	EX-01	0.722	0.722	0.000	0.000	0.90	0.65
DA-02	EX-02	0.495	0.495	0.000	0.000	0.90	0.45
DA-03	EX-03	0.519	0.519	0.000	0.000	0.90	0.47
DA-04	EX-04	0.417	0.410	0.008	0.000	0.89	0.37
Pre Total Overall		2.154	2.146	0.008	0.000	0.90	1.93
DA-01	EX-01	0.722	0.716	0.007	0.000	0.89	0.65
DA-02	EX-02	0.495	0.468	0.027	0.000	0.87	0.43
DA-03	EX-03	0.519	0.505	0.013	0.000	0.88	0.46
DA-04	EX-04	0.417	0.410	0.008	0.000	0.89	0.37
Post Total B		2.154	2.099	0.055	0.000	0.88	1.91

STORMWATER MANAGEMENT NARRATIVE

TO DETERMINE IF THE EXISTING STORMWATER SYSTEM IS ADEQUATE, THE PRE-DEVELOPMENT CA WAS ANALYZED AGAINST THE POST-DEVELOPMENT CA FOR FOUR (4) EXISTING STORM STRUCTURES ON SITE. THE CA FOR EACH EXISTING STORM STRUCTURE WAS EITHER REDUCED OR HELD TO PRE-DEVELOPMENT CONDITIONS DUE TO THE OVERALL DECREASE IN IMPERVIOUS AREA IN THE POST-DEVELOPMENT CONDITION. THEREFORE, THE EXISTING STORM SYSTEM BEING ANALYZED TO THE OUTFALL IS CONSIDERED ADEQUATE. SEE THIS SHEET FOR CALCULATIONS.

TAKE 5
WILLIAMSON ROAD
PREPARED FOR
EB PARTNERS LLC

OVERALL
STORMWATER
MANAGMENT PLAN

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LAURA P. ANDERSON
Lic. No. 069865
01/23/2023
PROFESSIONAL ENGINEER

REVISIONS

DATE

BY

SHEET NUMBER
CG-202

ROANOKE COUNTY

VA