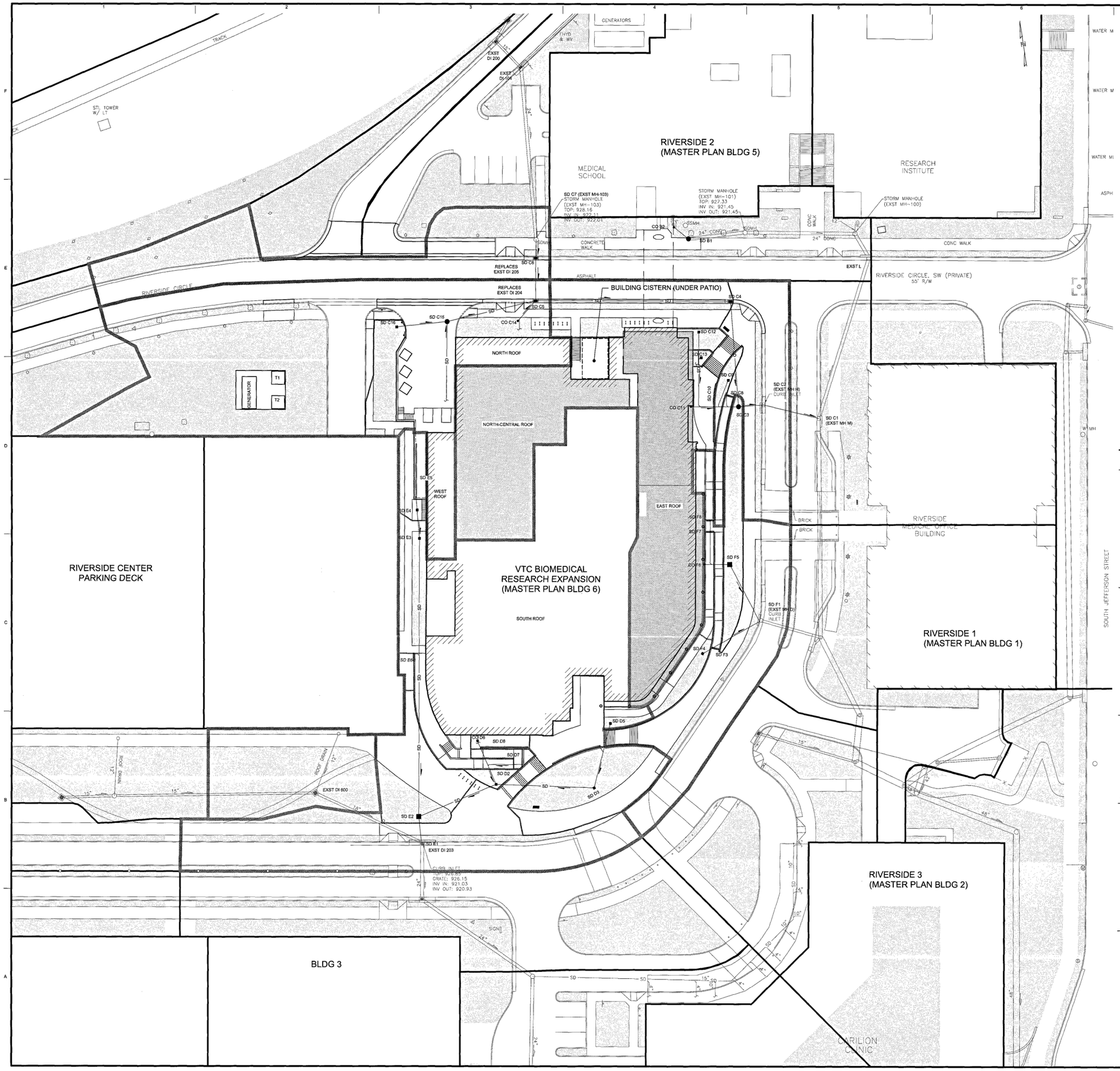

GENERAL NOTES THIS SHEET:

A. SEE SHEET G-003 FOR ABBREVIATIONS AND C-001 FOR CIVIL NOTES AND LEGEND.

B. ALL DRAINAGE AREAS WHICH ARE NOT AFFECTED BY DEVELOPMENT ARE ACCORDING TO THE RIVERSIDE CENTER MASTER PLAN AS DEPICTED ON THE FOLLOWING DRAWINGS:

"POST DEVELOPMENT PLAN" (DATED JULY 23, 2009)
"DRAINAGE MAP AREAS" (DATED SEPTEMBER 2, 2009)

C. 900-SERIES SHEETS ARE FOR INFORMATION ONLY. NEW WORK SHOWN ON THIS SHEET IS FOR REFERENCE ONLY.

D. VEGETATED/GREEN ROOF: THE EXTENSIVE TRAY SYSTEM MUST MEET OR EXCEED LEVEL 1 DESIGN REQUIREMENTS GIVEN IN THE VIRGINIA BMP CLEARINGHOUSE, DEQ STORMWATER DESIGN SPECIFICATION NO. 5 (VEGETATED ROOF). AT THE 95% BUILDING DESIGN LEVEL, THE VEGETATED ROOF IS DESIGNED USING THE LiveRoof SYSTEM "STANDARD" TRAY (4.25") PROPRIETARY SYSTEM OR ACCEPTABLE EQUIVALENT.

E. BUILDING CISTERN: THE BUILDING CISTERN MUST MEET OR EXCEED DESIGN REQUIREMENTS GIVEN IN THE VIRGINIA BMP CLEARINGHOUSE, DEQ STORMWATER DESIGN SPECIFICATION NO. 6 (RAINWATER HARVESTING). AT THE 95% BUILDING DESIGN LEVEL, THE CISTERN IS DESIGNED WITH NOMINAL DIMENSIONS OF 26'-4" (L) x 16'-0" (W) x 9'-4" (D) AND A MINIMUM STORAGE CAPACITY OF 25,000 GALLONS.

F. WEIGHTED RUNOFF COEFFICIENTS (Cw) WERE CALCULATED USING "C" FACTORS OF 0.3 FOR OPEN SPACE AREAS, AND 0.9 FOR IMPERVIOUS AREAS. THESE "C" FACTOR VALUES MATCH THE CALCULATION METHODOLOGY PREVIOUSLY USED AND APPROVED FOR THE RIVERSIDE CENTER COMMON PLAN OF DEVELOPMENT.

LEGEND

KEY	DESCRIPTION	AREA (AC)
	MASTER PLAN DRAINAGE AREA BOUNDARY (NOT AFFECTED BY DEVELOPMENT)	
	MASTER PLAN DRAINAGE AREA BOUNDARY (AFFECTED BY DEVELOPMENT)	
	BRE PROJECT DRAINAGE AREA BOUNDARY	
	TOTAL IMPERVIOUS AREAS (POST-DEV)	18.96
	OPEN SPACE (GRASSED)	5.82
	CDA TO GREEN ROOF (SEE NOTE)	0.22
	CDA TO BUILDING CISTERN (SEE NOTE)	0.17
	TOTAL OPEN SPACE, INCLUDING AREA TREATED WITH BMP/LID MEASURES	6.21
	TOTAL AREA (POST-DEV)	25.17

CDA = CONTRIBUTING DRAINAGE AREA

BRE AREA ID	Cw	A (AC)
NORTH		
SD C5 (REPLACES "EXST DI 204")	0.63	0.531
SD C16	0.42	0.034
WEST ROOF	0.90	0.035
NORTH ROOF	0.90	0.032
SUBTOTAL TO "EXST DI 204"	**0.64**	**0.632**
SD C6 (REPLACES "EXST DI 205")	0.63	0.218
EXST DI 200	0.64	0.236
EXST DI 104	0.79	0.503
EXST L	0.69	0.223
NORTHEAST		
SD C2 (EXST MH H)	0.82	0.131
SD C4	0.77	0.093
SD C8	0.90	0.013
SD C9	0.38	0.008
SD C10	0.90	0.018
SD C12	0.30	0.006
SD C13	0.56	0.002
PATIO	0.90	0.016
EAST ROOF	0.90	0.231
NORTH-CENTRAL ROOF	0.90	0.177
SUBTOTAL TO "EXST MH H"	**0.85**	**0.696**
SOUTHEAST		
SD F1 (EXST MH D)	0.84	0.169
SD F3	0.90	0.013
SD F4	0.58	0.020
SD F5	0.30	0.042
SD F7	0.88	0.011
SD F8	0.90	0.012
SUBTOTAL TO "EXST MH D"	**0.74**	**0.267**
SOUTH		
SD E1 (EXST DI 203)	0.78	0.247
SD E2	0.69	0.069
SD E3	0.68	0.067
SD E6	0.90	0.005
SD E4	0.64	0.016
SD E5	0.90	0.008
SD D2	0.30	0.006
SD D3	0.55	0.089
SD D4	0.90	0.037
SD D5	0.60	0.009
SD D7	0.81	0.007
SD D8	0.90	0.008
SOUTH ROOF	0.90	0.477
SUBTOTAL TO "EXST DI 203"	**0.80**	**1.045**
EXST DI 600	0.39	0.141

AECOM

PROJECT

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ISSUE/REVISION

3	03/08/2018	CITY CP SUBMISSION
2	01/19/2018	CITY CP SUBMISSION
1	12/04/2017	FOR PRE/SUBMISSION MEETING
0	12/01/2017	FOUNDATION SUBMISSION
SR	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60544603

SHEET TITLE

POST-DEVELOPMENT DRAINAGE MAP

SHEET NUMBER

C-901

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