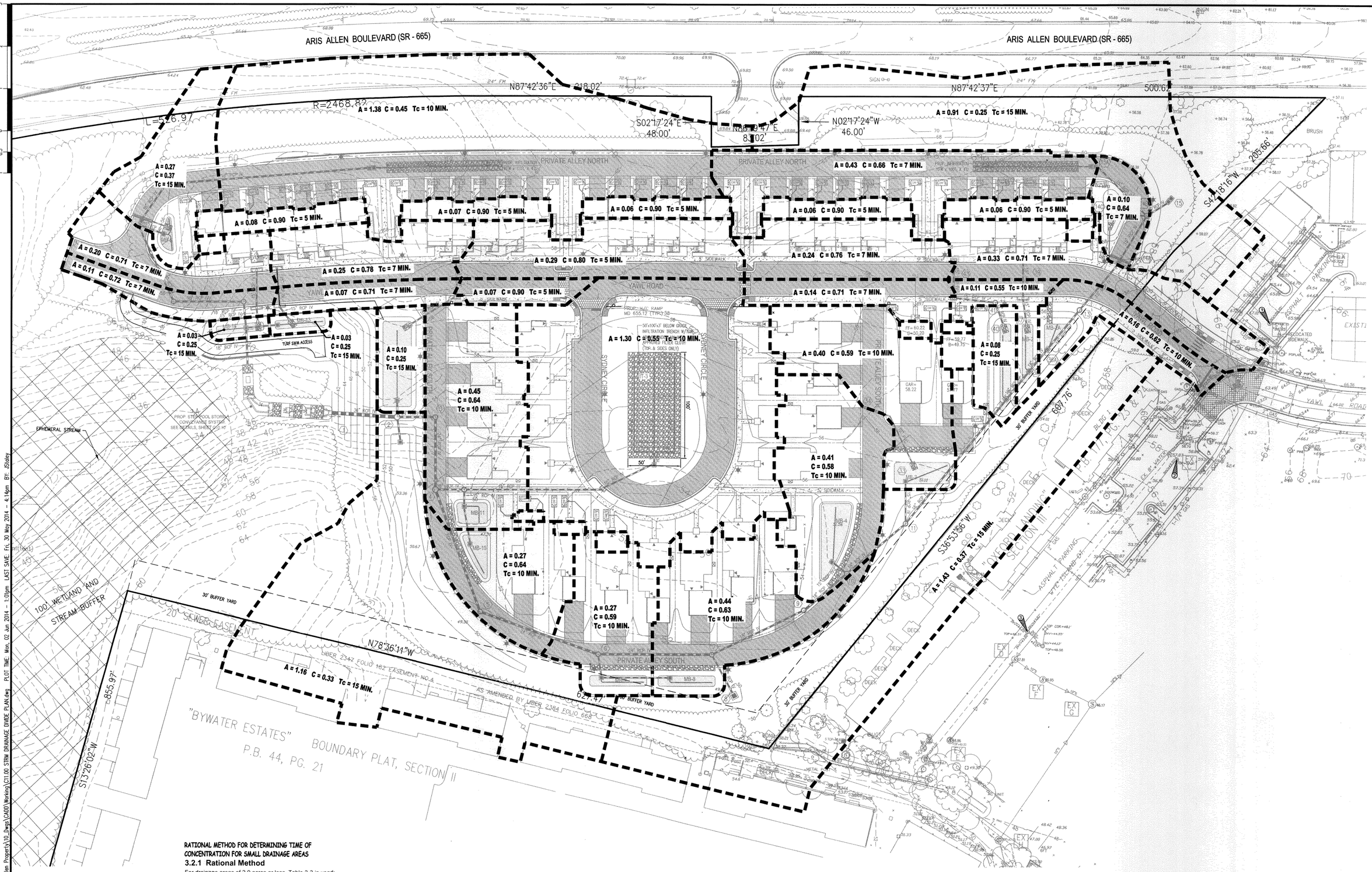

RATIONAL METHOD FOR DETERMINING TIME OF CONCENTRATION FOR SMALL DRAINAGE AREAS

3.2.1 Rational Method

For drainage areas of 2.0 acres or less, Table 3-3 is used:

Table 3-3 – Small Drainage Area Time of Concentration

'C' Factor	TC (minutes)
≥ 0.8	5
0.65-0.79	7
0.40-0.64	10
≤ 0.39	15

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

THESE PLANS ARE BASED UPON PLANS TITLED 'ARIS ALLEN BOULEVARD, LLC MIXED RESIDENTIAL' CREATED BY BOWMAN CONSULTING, PORTIONS OF WHICH ARE USED HEREIN.

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NO.	DATE	REVISION	BY

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PROJECT

ARIS T. ALLEN BOULEVARD
RESIDENTIAL PLANNED DEVELOPMENT
PART 1 - LOTS 26 - 31, 47 & 48

6TH ELECTION DISTRICT
CITY OF ANNAPOLIS, MARYLAND

TAX MAP/GRID: 51/E/8

STATE OF MARYLAND
PIERO VAN MELLITS
No. 21875
REGISTERED PROFESSIONAL ENGINEER
5-30-14

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

License No.: 21875 Expiration Date: 2/12/16

SHEET TITLE

GRADING PERMIT NO. GRD 14 - 0006

PROPOSED STORM SEWER DRAINAGE DIVIDE PLAN

PROJECT NO.	130003.01
SCALE	AS SHOWN
DATE	5/30/2014
DRAWN BY	JDS/CLW
CHECKED BY	PVM/TJC
DRAWING NO.	C11.00

29 OF 66 SHTS

FILE NAME: P:\Proj130\130003.01 Aris T. Allen Property\10_Dwgs\CADD\Working\C11.00 STRM DRAINAGE DIVIDE PLAN.dwg PLOT TIME: Mon, 02 Jun 2014 - 1:01pm LAST SAVE: Fri, 30 May 2014 - 4:14pm BY: rSloley