

LD-269
Rev. 3-83

Source: VDOT

Plan Sheet No. _____ Designer _____ Sheet _____ of _____
Rev. Date _____ Date _____

STATION: _____

HYDROLOGICAL DATA:
D.A. = _____ AC.

100 yr. Flood plain elev. _____
Design AHW depth elev. _____
Structures elev. _____ Inq. T/Elev. _____

Shoulder elev. _____
CL elev. _____
Skew _____ Cover ft. _____

Inv. El. _____
Orig. Gr. Elev. _____

DISCHARGES USED: _____
RISK ASSESSMENT: _____
ADT _____ Length _____
Detours Available _____
Overlapping Stages _____
Flood Plain Management _____
Criteria and Significant Impact _____

CULVERT TYPE & SIZE	Q	Q/E	HEADWATER COMPUTATIONS								CONT. HW. ELEV.	OUTLET VELOCITY C.M. Smooth	End Treat.	COMMENTS	
			INLET CONT. HWID	INLET CONT. RW	K _c	d _c	(K _c d _c) ²	L ₁₀	H	L _s					HW
18" RCP	6.9	6.9	1.5	1.0	0.5	0.8	1.2	1.2	0.6	0.6	1.2				
15" RCP	1.4	1.4	0.5	0.4	0.5	0.5	0.88	0.88	0.4	0.2	1.06				

SUMMARY & RECOMMENDATIONS: _____

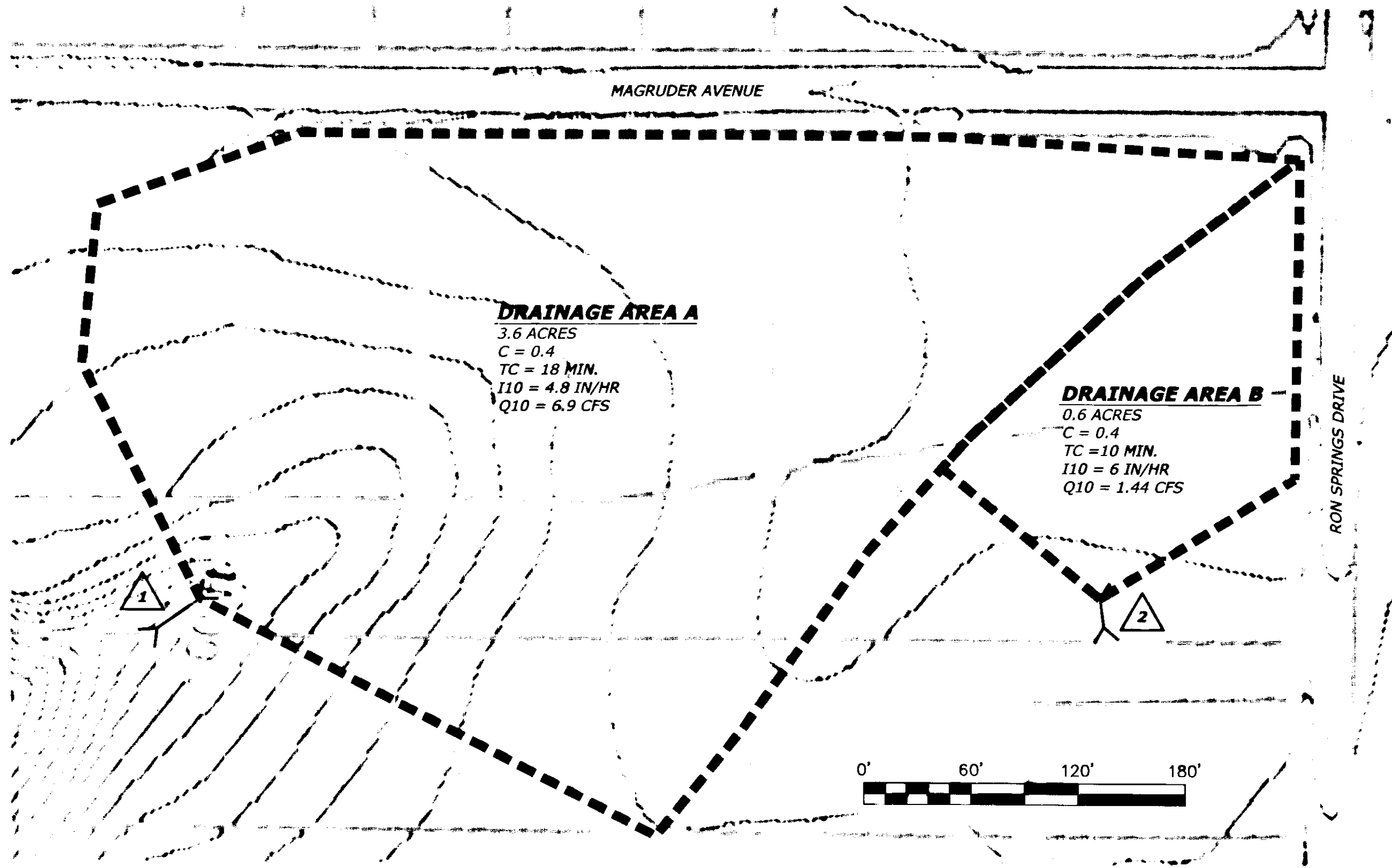
Design Flood Exceed. Prob. Elev. _____
Overtop Flood Exceed. Prob. Elev. _____
Base Flood 1% Exceed. Prob. Elev. _____

Appendix 8B-1
Culvert Design Form LD-269

Environmental Inventory Table

Lot	Environmental Component	Acres	Sq. Ft.	Site Impact Yes/No
1	100 / Yr. Floodplain	0.00 Acres	0 Sq. Feet	No
1	Wetlands	0.00 Acres	0 Sq. Feet	No
1	100' RPA Buffer	0.00 Acres	0 Sq. Feet	No
2	Wetlands	0.00 Acres	0 Sq. Feet	No
2	100' RPA Buffer	0.00 Acres	0 Sq. Feet	No
3	Wetlands	0.00 Acres	0 Sq. Feet	No
3	100' RPA Buffer	0.1097 Acres	4,778 Sq. Feet	Yes
3	100 / Yr. Floodplain	0.00 Acres	0 Sq. Feet	No
3	25% Grade	0.0796 Acres	3,468 Sq. Feet	Yes

1 ±30 L.F. OF 18" RCP @ 2.0% w/ END SECTIONS ON EACH END
2 ±20 L.F. OF 15" RCP @ 1.0% w/ END SECTIONS ON EACH END



3 Large/Small Plat(s) Recorded herewith as # 120018062

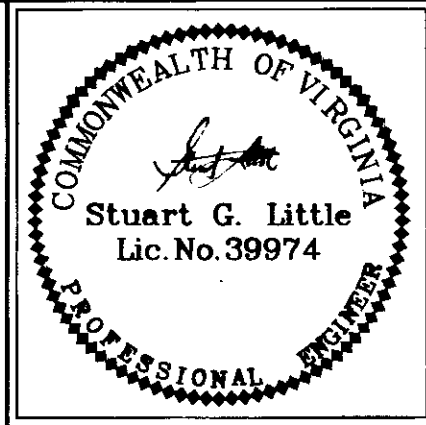
Gardy & Associates PC
Surveying and Mapping Services

City of Williamsburg & County of James City
Circuit Court: This PLAT was recorded on
30 August 2012
at 4:05 AM/PM, PB PG
Document # 120018062
BETSY B. WOOLRIDGE, CLERK
Wanda H. Hensley, Dep. Clerk

(804) 370-2391 ■ (804) 966-2820
www.gardysurveying.com
P.O. Box 15 ■ New Kent, VA 23124



Utility/Drainage Plan
Subdivision Plat - Lots 1-3
A Resubdivision of Parcel 1
Sadie Lee Taylor Property
122 Ron Springs Drive
GPIN No.: 591-020-0018



MAG. DISTRICT: Jamestown	COUNTY: James City
DATE: June 18, 2012	SCALE: 1"=40'
SHEET: 3 OF 3	J.N.: 11-0091
DRAWN BY: RJL	CHECKED BY: DRG
REV.	DATE
Per County Comments	July 10, 2012
Per County Comments	August 2, 2012