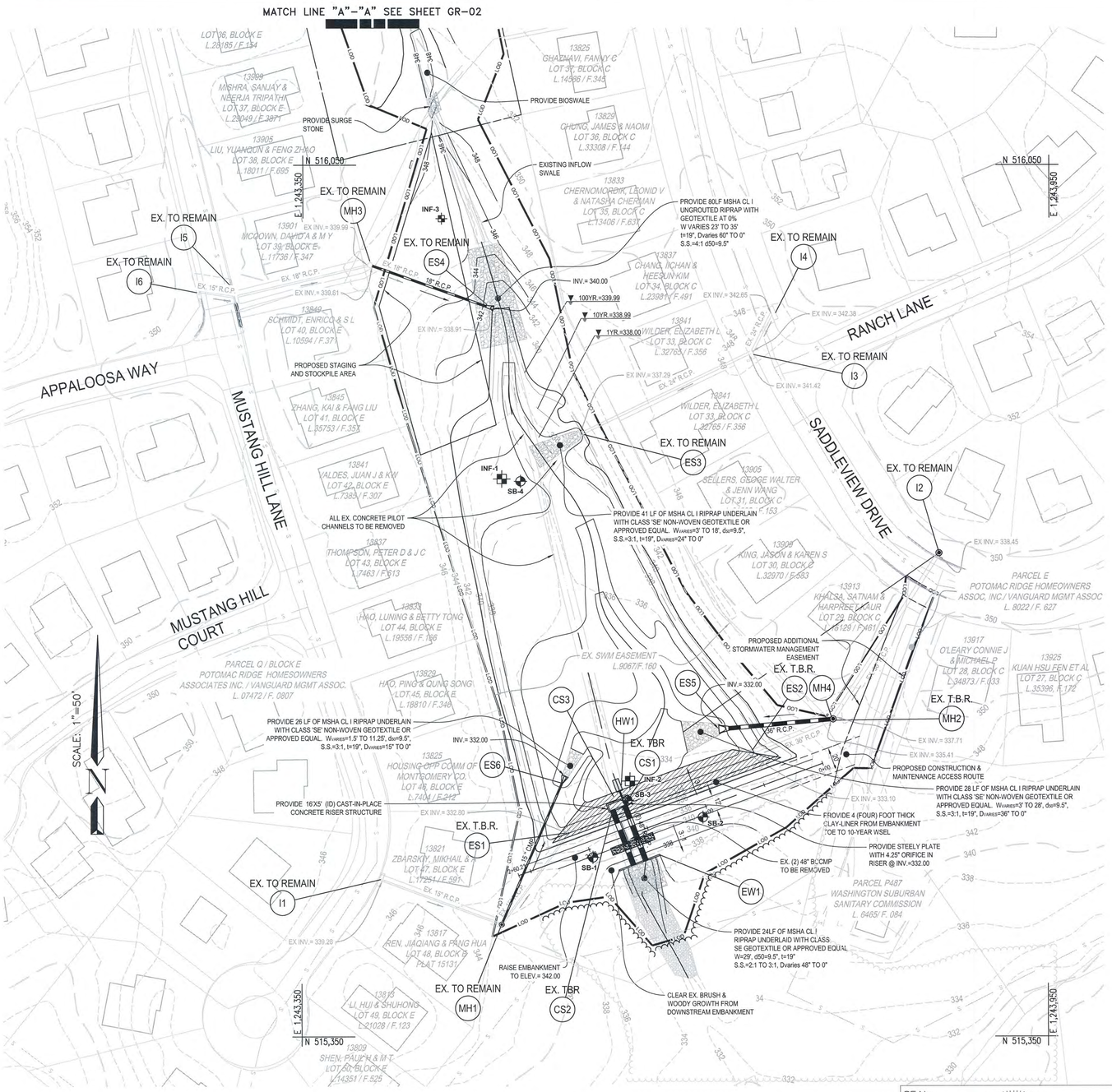


GRAPHIC SCALE

50 0 25 50 100

SCALE: 1" = 50'

PROPOSED POND ROUTING ASSET # 10847			
FREQUENCY	PEAK DISCHARGE (cfs)		POND WSEL (ft)
	INFLOW	OUTFLOW	
1-YEAR	42.33	1.07	338.00
2-YEAR	69.40	9.26	338.07
10-YEAR	170.24	124.82	338.99
100-YEAR	293.80	250.38	339.99

SWM REQUIREMENT VS. PROVIDED CAPACITY			
DESCRIPTION	UNIT	REQUIRED	PROVIDED
WATER QUALITY STORAGE VOLUME	Ac-ft	1.36	0.10
CHANNEL PROTECTION VOLUME	Ac-ft	2.15	2.45
CHANNEL PROTECTION RELEASE RATE	cfs	1.15	1.07

PROPOSED POND DATA FOR ASSET # 10847	
DESCRIPTION	ELEVATION
POND BOTTOM	332.00
PERMANENT POOL	N/A
TOP OF DAM	342.00

Department of Environmental Protection
Montgomery County Maryland

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

MR. CRAIG CARSON 240-777-7713
MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION
255 ROCKVILLE PIKE
ROCKVILLE, MD 20850

CPJ Associates

DESIGNED BY: BMF
DWN BY: ADG
CKD BY: JBB
SUBMITTED BY: JBB
PLOT SCALE: 1" = 50'
PLOT DATE: 1/21/2014
SIZE: ANSI D
FILE NAME: 01-EC-03.DWG
DATE: JAN., 2014
TASK ORDER NO.: 12-01
CONTRACT NO.:
FILE NUMBER:

TASK ORDER 12-01
POTOMAC RIDGE SWM POND RETROFIT
(ASSET #10847) - NOT FOR CONSTRUCTION
DARNESTOWN (6TH) ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND

GRADING AND LAYOUT PLAN

SHEET NO.
7 OF 13

GR-01

Attached XrefS:

MISS UTILITY

Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work. The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.

SEAL:

STATE OF MARYLAND
JEFFREY BRIAN BLEND
No. 32457
PROFESSIONAL ENGINEER

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 #: 32457

EXPIRATION DATE: 06/20/2014

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:

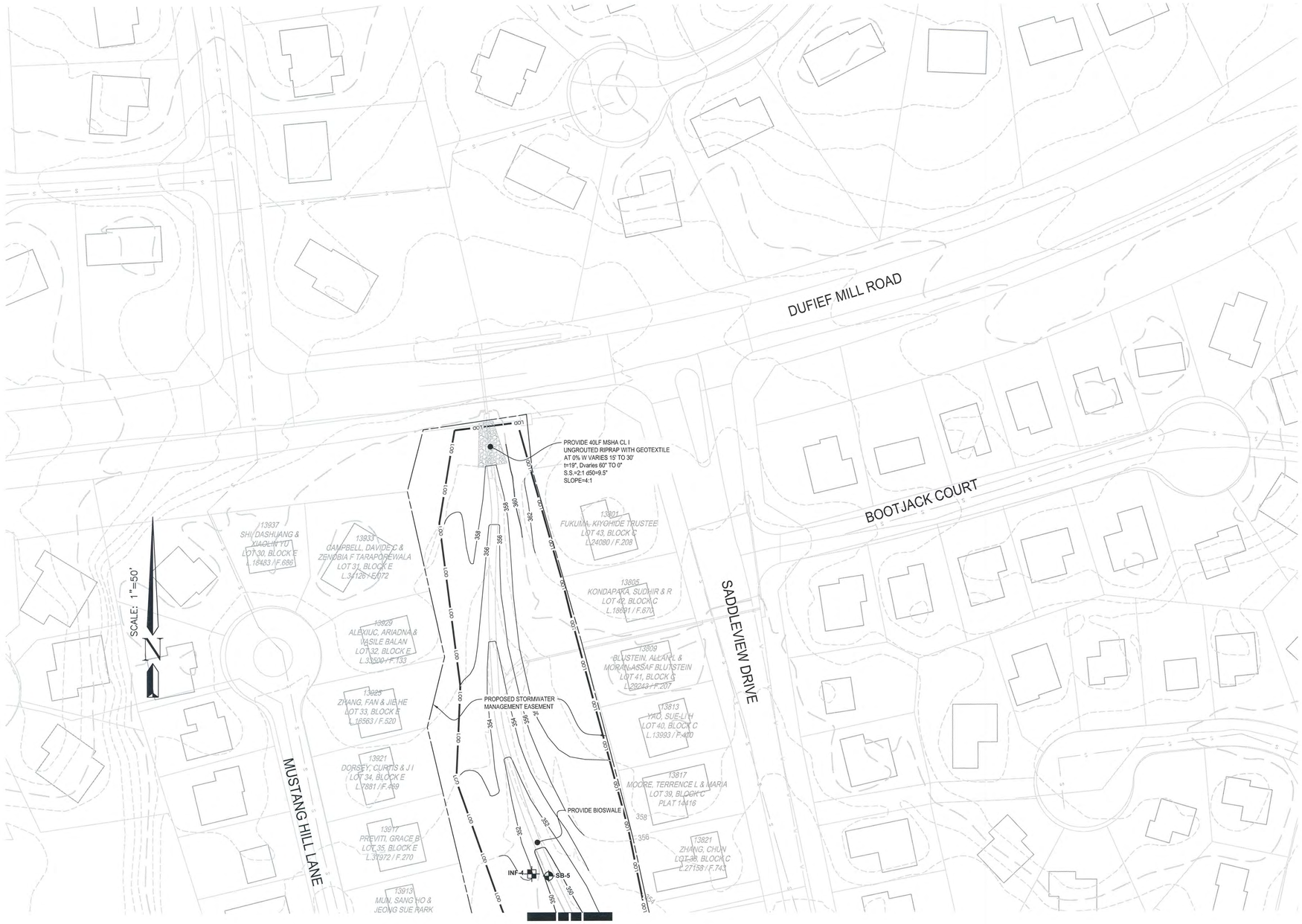
STORMWATER MANAGEMENT
REVIEWED DATE
APPROVED DATE
S.M.FILE NO.

SEDIMENT CONTROL TECHNICAL REQUIREMENTS:
REVIEWED DATE
APPROVED DATE

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT

ADMINISTRATIVE REQUIREMENTS:
REVIEWED DATE
SEDIMENT CONTROL PERMIT NO.

MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL, IF THE PROJECT HAS NOT STARTED, UNLESS THE PERMIT HAS BEEN EXTENDED.



MATCH LINE "A"-"A" SEE SHEET GR-01

GRAPHIC SCALE

50 0 25 50 100

SCALE: 1" = 50'

SWM REQUIREMENT VS. PROVIDED CAPACITY			
DESCRIPTION	UNIT	REQUIRED	PROVIDED
WATER QUALITY STORAGE VOLUME	Ac-ft	0.45	0.10
CHANNEL PROTECTION VOLUME	Ac-ft	0.58	0.00
CHANNEL PROTECTION RELEASE RATE	cfs	0.26	0.00

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SEAL:

STATE OF MARYLAND
JEFFREY BRIAN BLAST
PROFESSIONAL ENGINEER
21/01/2014

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.

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STORMWATER MANAGEMENT

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Department of Environmental Protection
Montgomery County Maryland

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MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION
255 ROCKVILLE PIKE
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DARNESTOWN (6TH) ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND

GRADING AND LAYOUT PLAN

SHEET NO.
8 OF 13

GR-02

Attached Xrefs:

Last Saved 1/21/2014 Last Plotted 1/21/2014 3:47 PM Sheet N:\43030\DWG\01-EC-03