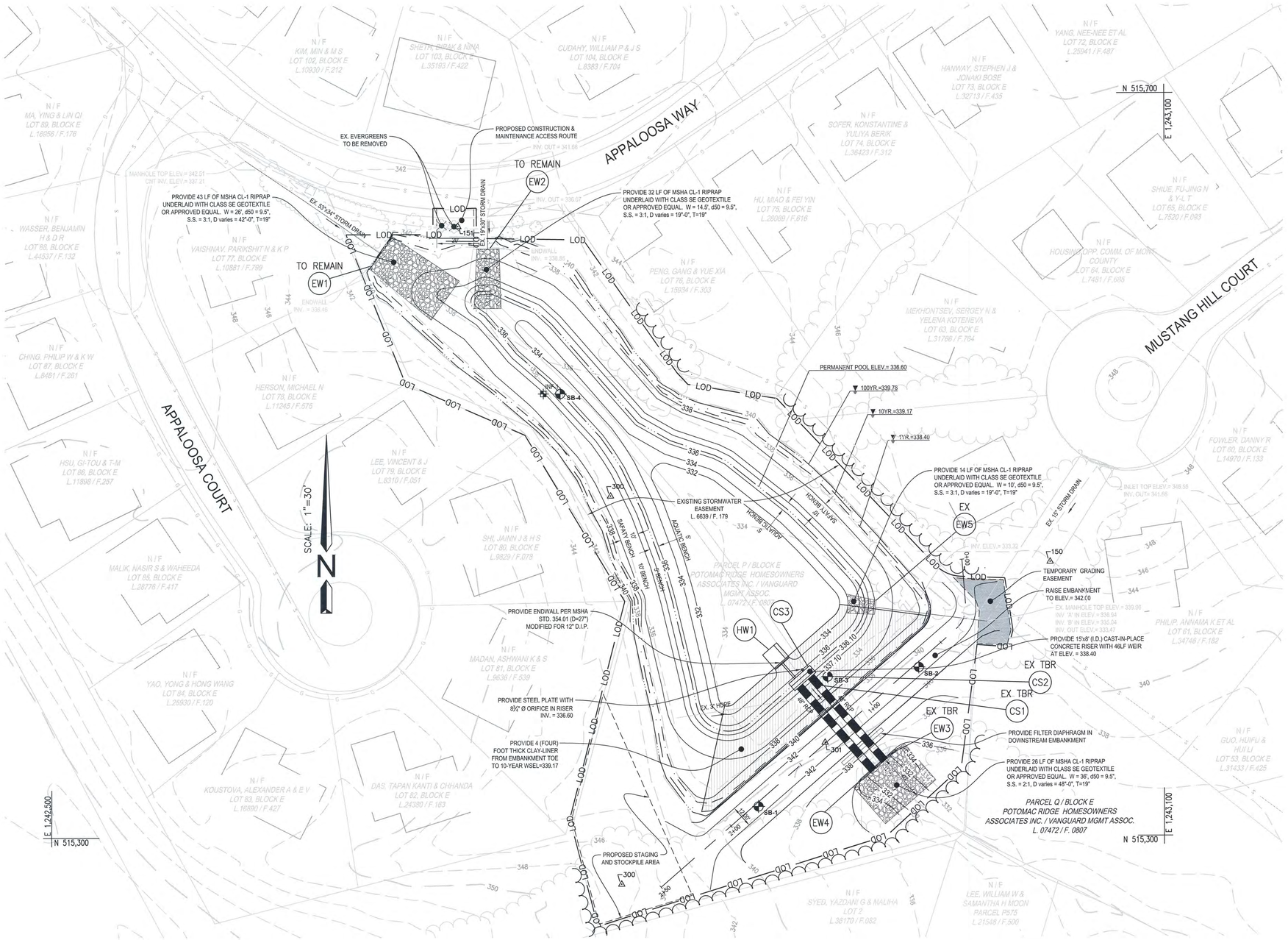

GRAPHIC SCALE

30 0 15 30 60

SCALE: 1" = 30'

CONCEPT POND ROUTING ASSET # 10891			
FREQUENCY	PEAK DISCHARGE (cfs)		POND WSEL (ft)
	INFLOW	OUTFLOW	
1-YEAR	35.72	3.09	338.40
2-YEAR	59.18	30.72	338.56
10-YEAR	147.03	135.48	339.17
100-YEAR	255.61	239.83	339.76

SWM REQUIREMENT VS. PROVIDED CAPACITY			
DESCRIPTION	UNIT	REQUIRED	PROVIDED
WATER QUALITY STORAGE VOLUME	Ac--ft	0.90	0.97
CHANNEL PROTECTION VOLUME	Ac--ft	1.59	1.06
CHANNEL PROTECTION RELEASE RATE	cfs	0.84	3.09

CONCEPT POND DATA FOR ASSET # 10891	
DESCRIPTION	ELEVATION
POND BOTTOM	332.50
PERMANENT POOL	336.60
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, SUITE 120
ROCKVILLE, MD 20850

CPJ Associates

DESIGNED BY: SEB	DATE: JAN. 2014
DWN BY: SEB	CKD BY: JBB
SUBMITTED BY: JBB	CONTRACT NO.: 12-01
PLOT SCALE: 1"=30'	PLOT DATE: 4/5/2013
SIZE: ANSI D	FILE NAME: 01-EC-04.DWG
	ORDER NO.:
	FILE NUMBER:

TASK ORDER 12-01
POTOMAC RIDGE SWM POND RETROFIT
(ASSET #10891) - NOT FOR CONSTRUCTION
DARNESTOWN 16TH ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND

GRADING AND LAYOUT PLAN

SHEET NO.
7 OF 12

GR-01

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.

STATE OF MARYLAND
JEFFREY BRIAN BAKER
No. 32457
PROFESSIONAL ENGINEER

01/21/14

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 #: 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:

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.

N:\43030\DWG\01-EC-04.dwg, 1/21/2014 1:57:49 PM, 1:1
Attached Xrefs: