

SOIL TABLE								
SOIL LABEL	SOIL SERIES	SLOPES	ERODIBLE	HYDRIC	PRIME AG SOILS	SEPTIC LIMITATIONS	HOMES W/ BASEMENTS	LOCAL ROADS & STREETS
CeC	CHILLUM LOAM	5-10%	YES	NO	NO	VERY LIMITED	SOMEWHAT LIMITED	VERY LIMITED
CrD	CROOM AND EVESBORO SOILS	10-15%	NO	NO	NO	VERY LIMITED	SOMEWHAT LIMITED	SOMEWHAT LIMITED
EbC	EVESBORO LOAMY SAND	2-10%	NO	NO	NO	VERY LIMITED	NOT LIMITED	NOT LIMITED
FaaA	*FALLSINGTON SANDY LOAMS	0-2%	NO	YES	NO	VERY LIMITED	VERY LIMITED	VERY LIMITED
RuB	RUSSETT AND BELTSVILLE SOILS	2-5%	NO	NO	YES	VERY LIMITED	VERY LIMITED	VERY LIMITED
RuC	RUSSETT AND BELTSVILLE SOILS	5-10%	YES	NO	NO	VERY LIMITED	VERY LIMITED	VERY LIMITED
SfB	SASSAFRAS GRAVELLY SANDY LOAM	2-5%	NO	NO	YES	VERY LIMITED	NOT LIMITED	SOMEWHAT LIMITED
SrC	SASSAFRAS AND CROOM SOILS	5-10%	YES	NO	NO	VERY LIMITED	SOMEWHAT LIMITED	SOMEWHAT LIMITED
UcB	URBAN LAND-CHILLUM-BELTSVILLE COMPLEX	0-5%	NOT RATED	NO	NO	NOT RATED	NOT RATED	NOT RATED
WoB	WOODSTOWN SANDY LOAM	2-5%	NO	YES	YES	VERY LIMITED	VERY LIMITED	VERY LIMITED

* FadA (FALLSINGTON SANDY LOAMS, 0-2%, N. COASTAL PLAIN) IS A STATE LISTED HYDRIC SOIL.

ENVIRONMENTAL SITE DESIGN NARRATIVE

- 1. NO DISTURBANCE TO THE ON-SITE 100-YEAR FLOODPLAIN, STREAMS, OR STREAM BUFFERS IS PROPOSED AS PART OF THIS PROJECT. DISTURBANCE TO ISOLATED WETLANDS AND ASSOCIATED WETLAND BUFFERS IS APPROVED BY MDE LETTER OF AUTHORIZATION 16-NT-0371/201661650. EXISTING FOREST IS BEING PROTECTED WHERE PRACTICAL. THERE IS CURRENTLY A GRAVEL ACCESS ROAD THROUGH THE PROPERTY THAT DOES NOT HAVE ANY STORMWATER MANAGEMENT TREATMENT.
- 2. THE PROPOSED SEDIMENT CONTROLS FOR CONSTRUCTION INCLUDE EARTH DIKES, SEDIMENT BASINS, A SEDIMENT TRAP, AND SILT AND SUPER SILT FENCES. EARTH DIKES ARE USED TO DIRECT SEDIMENT-LADEN RUNOFF INTO THE SEDIMENT BASINS AND TRAP. THE SUPER SILT FENCES ARE PERIMETER DEVICES USED TO FILTER RUNOFF. THESE DEVICES WILL ENSURE THAT THE SURROUNDING ENVIRONMENT AND LANDSCAPE IS NOT DISTURBED BY THE CONSTRUCTION EFFORTS ON-SITE AND PROVIDE STORMWATER QUALITY TREATMENT FOR THE QUARRY, WHICH WILL BE AN IMPROVEMENT OVER EXISTING CONDITIONS.
- 3. THE PROPOSED SITE WILL MAINTAIN THE EXISTING DRAINAGE PATTERNS AS CLOSELY AS POSSIBLE. NO IMPACT IS PROPOSED THAT WOULD ALTER ANY NATURAL FLOW PATTERNS.
- 4. THE REQUIRED EROSION AND SEDIMENT CONTROL MEASURES WILL BE IN ACCORDANCE WITH THE LATEST MDE STANDARDS AND SPECIFICATIONS UTILIZING SILT FENCES AND SUPER SILT FENCES.

SITE DATA

1. OWNER/DEVELOPER:

8420 WASHINGTON BLVD. JESSUP, MD 20194 ATTN: COLLIN SUMPTER PHONE: 410-792-7234

SITE LOCATION: 8601 RT. 1 & 8717 MISSION RD. JESSUP, MD 20194

SAVAGE STONE, LLC

±10,474,875 SF/±240.47 AC.

EXISTING: 3.23 AC. PROPOSED: 2.67 AC,

EXISTING: 5.14 AC. PROPOSED: 4.04 AC.

EXISTING: 87.64 AC. PROPOSED: 15.07 AC.

CURVE

*C*2

ARC LENGTH

514.01

45.31

3,355,427 SF/±91.38 AC.

LITTLE PATUXENT RIVER

655 L.F.; 0.21 AC.

15%-24.99%: 1.61 AC.

>25%: 0.84 AC.

1.26 AC.

0.33 AC.

43.09 AC.

66.86 AC.

2. TAX MAP:

PARCELS: 102, 235, & 349 4. ZONING DISTRICT: R-SC AND R-12

5. TOTAL PARCEL AREA:

6. TOTAL PROJECT AREA:

7. WATERSHED: WETLANDS

9. WETLAND BUFFERS

10. INTERMITTENT STREAMS

11. INTERMITTENT STREAM BUFFERS

12. FLOODPLAIN AREA 13. FORESTED AREA

14. STEEP SLOPES

15. ERODIBLE SOILS

16. LIMIT OF DISTRURBANCE

17. PROPOSED SITE USE

TRANSFERRED TO HOWARD COUNTY: 81.88 AC. FUTURE SCHOOL PROPERTY:

> WATER TOWER: LAND TO REMAIN WITH CHASE PROPERTIES: ±9.5 AC.

18. GREEN OPEN AREA ±86.95 AC. 19. PROPOSED IMPERVIOUS O AC.

NOTES

- 1. EXISTING UTILITIES (SEWER, WATER, ELECTRIC AND STORM DRAINS) ARE LOCATED IN THE AREA OF ALL EXISTING BUILDINGS. NO NEW UTILITY CONSTRUCTION IS PROPOSED FOR THIS SITE. CONTRACTOR SHALL CONTACT MISS UTILITY BEFORE ANY WORK TO ENSURE THAT THAT ANY EXISTING UTILITIES WILL NOT BE DAMAGED.
- 2. WETLAND APPROVAL FROM US ARMY CORP OF ENGINEERS JURISDICTIONAL DETERMINATION: CENAB-OPR-M 2016-61650 HAS BEEN ISSUED FOR THIS SITE.
- 3. MDE LETTER OF AUTHORIZATION 16-NT-0371/201661650 EFFECTIVE APRIL 24, 2017.
- 4. HOWARD COUNTY ALTERNATIVE COMPLIANCE APPROVAL: WP-17-109, MAY 17, 2017.
- 4.1. SECTION 16.116(a)(1) PROTECTION OF WETLANDS, STREAMS, AND STEEP SLOPES: ALLOWS FILLING TWO SMALL WETLAND AREAS. 4.2. SECTION 16.1202(a) - FOREST CONSERVATION PLAN REQUIRED FOR GRADING PERMIT AND SITE DEVELOPMENT PLAN: ALLOWS TEMPORARY DEFERRAL UNTIL SUBMISSION OF THE SDP FOR THE NEW PUBLIC
- SCHOOLS. 4.3. SECTION 16.1205(a)(10) - PRESET RETENTION PRIORITIES FOR SPECIMEN TREES: ALLOWS REMOVAL OF 31 SPECIMEN TREES SHOWN

CHORD BEARING

5 33°16'24" E

N 72°20'47" W

CHORD LENGTH

504.00

40.17'

INE TABLE LINE BEARING DISTANCE 47.00' 5 37°01'13" W L2 S 56°33'49" W 37.45' N 31°52'55" W 26.08 L4 S 18°44'17" W 32,93' L5 N 30°33'47" W 11.94 L6 N 60°15'12" E 80.01' L7 5 29°35'08" E 27.78 N 29°35'08" W 30.82 5 28°38'40" E 47.23' La

CURVE TABLE

DELTA ANGLE

39°168'44"

96°08'31"

RADIUS

749.78

27.00'

MISSION ROAD FOREST CONSERVATION WORKSHEET

VERSION 1.0 (Enter in Yellow Cells)

NET TRACT AREA: LAND TO BE CONVEYED TO HOWARD COUNTY A. Total area to be conveyed to County..... 81.88 (Total Site Area = 93.10 ac.) B. Area within 100 year floodplain C. Area to remain in agricultural production.....=

LAND USE CATEGORY: (from table 3.2.1, page 40, Manual) Input the number "1" under the appropriate land use

zoning, and limit to only one entry. ARA MDR IDA HDR MPD CIA

> E. Afforestation Threshold..... F. Conservation Threshold... EXISTING FOREST COVER:

G. Existing forest cover (excluding floodplain)......
H. Area of forest above afforestation threshold I. Area of forest above conservation threshold ...

BREAK EVEN POINT: J. Forest retention above threshold with no mitigation......=

K. Clearing permitted without mitigation....

PROPOSED FOREST CLEARING: L. Total area of forest to be cleared......

PLANTING REQUIREMENTS:

N. Referestation for cleaning above conservation threshold...= P. Reforestation for clearing below conservation threshold ...= Q. Credit for retention above conservation threshold......= R. Total reforestation regulred.... Total afforestation required..... Total referestation and afforestation required.....=



8250 AND 8270 OLD MONTGOMERY ROAD

COLUMBIA, MD 21045

410-313-4900

APPROVED: DEPARTMENT OF PLANNING AND ZONING

6.30.17 6-27-17 DATE



1.0 0.0

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. 28378,

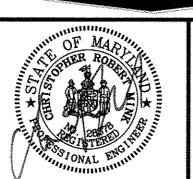
STH ELECTION DISTRICT

OWNER/DEVELOPER CHASE LAND, LLC P.O. BOX 850 LAUREL, MD 20725-0850 410-792-7234 ATTN: COLLIN SUMPTER



SCALE: 1"=200'

Civil Engineers • Land Surveyors • Landscape Architects lanners • Geotechnical Engineers • Environmental Engineers 215 Bynum Road Forest Hill, Maryland 21050 Phone (410) 879-7200 • Fax (410) 838-1811 E-mail: cnamail@cna-engineers.com



Expiration Date: 1/1/19.

ENVIRONMENTAL CONCEPT PLAN CHASE PROPERTY

LOCATION MAP

SCALE: 1" = 2000'

PROPOSED LIMIT OF CLEARING

25' WETLAND BUFFER

ERODIBLE SOILS

15%-25% SLOPE

>25% SLOPE

SPECIMEN TREES

FOREST RETENTION AREA

HOWARD COUNTY FLOODPLAIN

EXISTING SEWER

EXISTING 5' CONTOURS

EXISTING 1' CONTOURS

AT MISSION ROAD TAX MAP 43 PARCELS 235, 349, & 102 8601 ROUTE 1 & 8717 MISSION ROAD, JESSUP, MD 20794

Date Revisions Date: Scale: 1"=200' 5/25/2017 rawn By: Job No: 13066 Design By:

ECP-17-093

Sheet: Review By:

HOWARD COUNTY, MARYLAND

