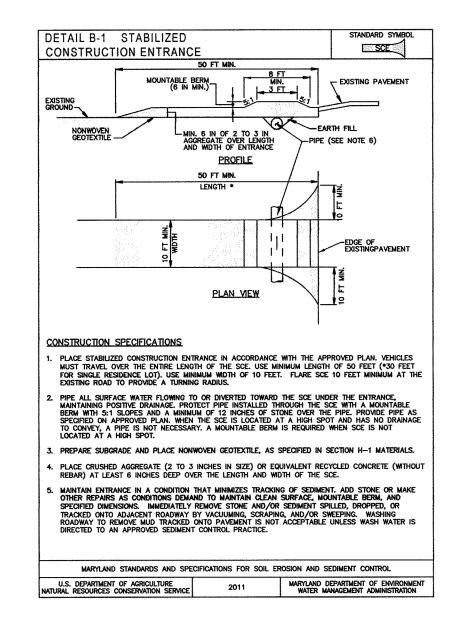
DETAIL E-3 SUPER SILT FENCE	STANDARD SYMBOL
DETAIL E-3 SUPER SILT FENCE	I——SSF——I
10 FT MAX.	
	-34 IN MIN.
GROUND II SURFACE— II MIN.	
11 / 11	-36 IN MIN.
2% IN DIAMETER — GALVANIZED CHAIN LINK FENCE GALVANIZED WOVEN SLIT FILM GEOTEXTILE ALLIMINUM POSTS	WTH
ELEVATION	
CHAIN LINK FENCING WOVEN SLIT FILM GEOTEXTILE FLOW	
EMBED GEOTEXTILE AND CHAIN LINK FENCE 8 IN MIN. INTO GROUND	
CROSS_SECTION	
CONSTRUCTION SPECIFICATIONS	
Install 2% inch diameter galvanized steel posts of 0.095 inch wall length spaced no further than 10 feet apart. Drive the posts a minto the ground.	THICKNESS AND SIX FOOT INIMUM OF 36 INCHES



SWM NARRATIVE:

THE PROPOSED SWM FACILITIES FOR THIS PROJECT WILL

INCORPORATES A SECOND CELL #2 TO PROVIDE FOR SWM

USE OF DRYWELLS. THE PROJECT IS STILL TOO STEEP TO

MANAGEMENT. THE HYDROLOGIC SOIL GROUPS PRECLUDE THE

UTILIZE ANY DISCONNECTIONS. UTILIZING. THIS FACILITY WILL

AND RUNOFF AMOUNTS TO MEET THE ENVIRONMENTAL SITE

ALLOW US TO PROVIDE THE REQUIRED Pe AND ESDV VOLUMES

DESIGN TO THE MAXIMUM EXTENT POSSIBLE (ESD TO THE MEP)

THE REQUIRED GROUND WATER RECHARGE AMOUNT. THE SWM

REPORT FOR THIS PROJECT CONTAINS A SUMMARY TABLE TO

INDICATE THE VOLUMES PROVIDED TO THIS FACILITY.

O REFLECT A WOODED CONDITION FOR THIS SITE AS WELL AS

LOT SIZE

21,077 5q.Ft. 3,359 5q.Ft. 17,718 5q.Ft

LOT SIZE

18,253 5q.F

CONSIST OF AN ENHANCED MICRO-BIORETENTION FACILITY THAT

LEGEND 5YMBOL EXISTING CONTOUR 2' INTERVAL -492---490- EXISTING CONTOUR 10' INTERVAL -492 PROPOSED CONTOUR 2' INTERVAL -490- PROPOSED CONTOUR 10' INTERVAL +499.50 SPOT ELEVATION -SF- SF- SILT FENCE -55F SSF SUPER SILT FENCE - DRAINAGE LIMITS 50IL5 LIMIT LIMIT OF DISTURBANCE L.O.D. PROPOSED STREET TREE RECREATIONAL OPEN SPACE SLOPES (24.9% AND GREATER) 5LOPES (15% TO 24.9%) EXISTING TREELINE PROPOSED TREELINE - E - EX. ELECTRIC LINES

FISHER, COLLINS & CARTER, INC.

ENVIRONMENTAL CONCEPT PLAN

SHIRAZ PROPERTY

BUILDABLE LOTS 1 & 2

ZONING: R-SC

TAX MAP No. 37

GRID No. 8

PARCEL No. 401

REFER TO HOWARD CO. ADC MAP 34 C-2

VICINITY MAP 5CALE: 1" = 1200"

FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DESIGN NARRATIVE:

THERE ARE NOT ANY NATURAL AREAS OF THIS PROJECT LOCATED ONSITE. THE SITE EXISTS AS A SINGLE FAMILY DWELLING AND ASSOCIATED DRIVEWAY LOCATED ONSITE PLANNED IS AN ADDITIONAL LOT AND HOUSE AT THE REAR OF THE PROPERTY. THERE ARE NOT ANY AREAS OF FLOODPLAIN EASEMENTS LOCATED ONSITE. IN ADDITION, THERE ARE NOT ANY AREAS OF WETLANDS LOCATED ONSITE. THERE ARE NO AREAS OF STEEP SLOPES LOCATED ON THIS SITE. THE SITE IS RELATIVELY FLAT. THE ERODIBLE SOILS HAVE BEEN IDENTIFIED IN THE SOILS CHART AND IN THE SITE ANALYSIS. THE TOTAL AREA OF THE PROJECT IS 1.00 AC. THE LIMITS OF DISTURBANCE AREA IS 0.25 AC. THE MAJORITY OF THIS SITE WILL BE DEVELOPED AND PROVIDE 0.25 ACRES OF GREEN SPACE. THE PROPOSED IMPERVIOUS AREAS INCLUDE THE DRIVEWAY EXTENSION AND PROPOSED HOUSE. THERE ARE NO FORESTED AREAS LOCATED ON THIS PROPERTY. THERE IS NOT A FEE-IN-LIEU SURETY FOR THE REQUIRED FORESTATION FOR THIS PROJECT. THE PRESERVATION OF GREEN SPACE PROVIDES THE NATURAL RESOURCE PROTECTION FOR THIS 1.00 AC PARCEL OF LAND. THE PROPERTY DRAINS TOWARDS DEEP RUN FROM THE REAR OF THE SITE AND INTO THE LOWER NORTH BRANCH OF THE PATAP5CO RIVER (2130906). THE NATURAL FLOW PATTERNS HAVE BEEN MAINTAINED. WE ARE MIMICKING THE REQUIREMENT TO PROVIDE WOODS IN GOOD CONDITION IN ACCORDANCE WITH THE CHAPTER 5 SWM REGULATIONS BY THE USE OF RAIN WATER HARVESTING. IN ADDITION, WE HAVE SHOWN SUPER SILT FENCE FOR THE CONSTRUCTION OF THIS HOME. THE ESD PLANNING TECHNIQUES AND PRACTICES IMPLEMENTED WERE THE USE OF A SINGLE RAIN WATER HARVESTING FACILITY.

SITE ANALYSIS DATA CHART

A. TOTAL AREA OF THIS SUBMISSION = 1.00 ac. ±. 5. LIMIT OF DEVELOPABLE AREA = 1.00 AC. ± (LOTS ONLY) LIMIT OF DISTURBED AREA = 10,890 Sq. Ft. or 0.25 Act. PRESENT ZONING DESIGNATION = R-5C (PER 10/06/13 COMPREHENSIVE ZONING PLAN). PROPOSED USE: RESIDENTIAL SUBDIVISION (SINGLE FAMILY DETACHED) OPEN SPACE REQUIRED ON SITE: 0.25 AC. (FEE-IN-LIEU IS PROPOSED.) RECREATIONAL AREA REQUIRED: THERE IS NONE REQUIRED SINCE < 10 LOTS. BUILDING COVERAGE OF SITE: 3,006 5Q.FT. OR 0.07 Ac. ±

PREVIOUS HOWARD COUNTY FILES: N/A TOTAL AREA OF FLOODPLAIN: 0.00 Ac. K. TOTAL AREA OF SLOPES: 25% or GREATER = 0.00 Ac. 15%-24.99% = 0.00 Ac.

L. NET TRACT AREA = 1.00 Ac+ (TOTAL SITE AREA - FLOODPLAIN - STEEP SLOPES AREA) TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.00 Ac± N. TOTAL AREA OF STREAMS (INCLUDING BUFFER) = 0.00 Ac+

O. TOTAL AREA OF FOREST = 0.00 Ac. ± P. TOTAL GREEN OPEN AREA = 0.00 Ac. ±

R. AREA OF ERODIBLE SOILS = 0.91 Ac. # (WITHIN AREA OF DEVELOPMENT)

Aldo M. Vitucci, P.E. Professional Certification: I hereby certify that these documents Professional Engineer under the laws of the State of Maryland, License No. 20740, Expiration Date 2-22-19."

- 1. THIS SUBDIVISION PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE 5UBDIVISION AND LAND DEVELOPMENT REGULATIONS AS AMENDED ON OCTOBER, 2003
- 2. SUBJECT PROPERTY ZONED R-5C PER 10/06/13 COMPREHENSIVE ZONING PLAN.
- 3. a. GROSS AREA OF TRACT = 1.00 AC. \pm
- b. AREA OF FLOODPLAIN = 0.00 AC. ± c. AREA OF 25% OR GREATER SLOPES = 0.00 AC. ±

4. AREA OF PROPOSED ROAD R/W = 0.00 AC.±

- 5. a. AREA OF PROPOSED BUILDABLE LOTS = 0.47 AC. ± b. AREA OF PROPOSED OPEN SPACE LOTS = 0.00 AC.±
- c. AREA OF OPEN SPACE REQUIRED = 0.25 AC. ± d. AREA OF NON-CREDITED OPEN SPACE = 0.00 AC.±
- e. AREA OF CREDITED/TOTAL OPEN SPACE PROVIDED = 0.25 AC.± (FEE-IN-LIEU) SEE NOTE 23
- 6. NUMBER OF LOTS PROPOSED: 2 LOTS a. BUILDABLE = 2 b. OPEN SPACE LOTS = 0
- 7. HOWARD COUNTY PROJECT NUMBERS FOR THIS SITE:
- 8. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.
- 9. NO NOISE STUDY IS REQUIRED FOR THIS PROJECT
- 10. SOILS INFORMATION TAKEN FROM SOIL SURVEY, HOWARD COUNTY, MARYLAND.
- 11. BOUNDARY OUTLINE BASED ON A FIELD SURVEY THAT WAS PERFORMED BY FISHER, COLLINS AND CARTER, INC. DATED 02/16/2018.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

- THE AREA OF THE FIELD RUN BOUNDARY PRIOR WAS 1.00 ACRES. 12. ALL EXISTING STRUCTURES LOCATED ON SITE ARE TO BE REMAIN UNLESS OTHERWISE NOTED.
- 13. TOPOGRAPHIC CONTOURS BASED ON FIELD RUN TOPOGRAPHY BY FISHER, COLLINS AND CARTER DATED 02/16/2018.
- 14. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL NAD 83 WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 0048

AND 37A4 WERE USED FOR THIS PROJECT. HOWARD COUNTY STATION 0048 HOWARD COUNTY STATION 37-A4 N 557 526 3430 FFFT N 563.835.9101 FEET

E 1,370,661.989 FEET F 1.367971.6468 FEET ELEVATION: 437.304

- 15. THERE ARE NO AREAS OF STEEP SLOPES LOCATED ON THIS PROPERTY AS DEFINED BY THE HOWARD COUNTY SUBDIMISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.116.b
- 16. STORMWATER MANAGEMENT WILL BE PROVIDED IN ACCORDANCE WITH HOWARD COUNTY AND MARYLAND 378 SPECIFICATIONS. SINCE THE PROPERTY IS RELATIVELY FLAT, WE ARE UTILIZING A MICRO-BIORETENTION Facility FOR THIS PROJECT. THE DESIGN IS IN COMPLIANCE WITH MDE CHAPTER 5. OVERBANK FLOOD PROTECTION VOLUME AND EXTREME FLOOD VOLUMES ARE REQUIRED FOR THIS SITE. THE PROPOSED MICRO-BIORETENTION FACILITY WILL BE PRIVATELY OWNED BY H.O.A. AND PRIVATELY MAINTAINED BY LOT 2'S OWNER. THE USE OF DRY WELLS IS UNACCEPTABLE DUE TO THE SOIL LIMITATIONS. ESD HAS BEEN USED TO THE MEP TO CONTROL STORM WATER ONSITE: 10 YEAR AND 100 YEAR SWM FOR THE SITE WILL BE PROVIDED BY HOWARD COUNTY AND MDE-378 SPECIFICATIONS
- AS THE SITE IS LOCATED IN A TRIBUTARY DRAINAGE AREA TO THE DEEP RUN STREAM LOCATED ABOVE THE RAILROAD CROSSING. 17. THERE IS NO FLOODPLAIN WITHIN THIS SITE.
- 16. THE FOREST STAND DELINEATION AND WETLAND DELINEATION FOR THIS PROJECT WAS PREPARED BY ECO-SCIENCE
- PROFESSIONALS, INC., DATED MAY 10, 2018. THE FORESTATION REQUIREMENT FOR THIS PROJECT WILL BE 0.40 AC. A FEE-IN-LIEU IS PROPOSED TO COMPLY WITH THE FOREST REGULATIONS AND DOES NOT HAVE A SURETY ASSOCIATED WITH IT. 19. THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
- 20. FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD R/W LINE AND NOT THE PIPESTEM LOT DRIVEWAY.
- 21. NO CEMETERIES OR HISTORIC STRUCTURES EXIST WITHIN THIS SUBDIVISION.
- 22. RECREATIONAL OPEN SPACE IS NOT REQUIRED FOR THIS SUBDIVISION BECAUSE THERE ARE LESS THAN 10 LOTS.
- 23. THIS PLAN WILL PROVIDE A FEE-IN-LIEU FOR THE REQUIRED OPEN SPACE. THE AMOUNT OF THE FEE-IN-LIEU IS \$1,500.00 PER ACRE.
- 24. APPROVAL OF THIS ECP DOES NOT CONSTITUTE APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN, SITE DEVELOPMENT PLAN OR GRADING OR BUILDING PERMIT PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION, SITE DEVELOPMENT PLAN, OR GRADING AND BUILDING PERMIT STAGES. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.
- 25. THERE ARE NO SPECIMEN TREES LOCATED ON THE PROPERTY.
- 26. APPROVAL OF THIS ECP BY HOWARD COUNTY SOIL CONSERVATION DISTRICT DOES NOT PROVIDE APPROVAL OF THE SHOWN SEDIMENT

OWNER & DEVELOPER

MR. AHMED M. SHIRAZ

6135 WATERLOO ROAD

ELLICOTT CITY, MARYLAND 21043

443-538-8229

were prepared or approved by me, and that I am a duly Licensed

1st. ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DATE: JUNE 5, 2019

SHEET 1 OF 3

