WHISKEY BOTTOM ESTATES BOUNDLE 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND ENVIRONMENTAL CONCEPT PLAN SOILS LEGEND MAP SYMBOL GROUP SOILS CLASSIFICATION UcB C URBAN LAND-CHILLUM-BELTSVILLE COMPLEX, 5 TO 15 PERCENT SLOPES SOILS DELINEATION THERE ARE NO HYDRIC SOILDS ON-SITE. TAKEN FROM NRCS WEBSITE, JANUARY 2022. _____ PROPOSED CONTOURS EXISTING STRUCTURE PROPOSED STRUCTURE LOT 13 EXISTING TREELINE ANALYSIS OF PRE- AND DRYWELL DRAINAGE ARE POST-DEVELOPMENT BYPASS DRAINAGE AREA LIMIT OF DISTURBANCE Volume treated | Pe | Rev SILT FENCE DIVERSION STABILIZED CONSTRUCTION SCE! Pe Converted to ESDv STOCKPILE Stormwater Management Information Lot/Parcel Number Facility Name & Numbe QUALITY AND QUANTITY QUALITY AND QUANTITY -1--D-1 **QUALITY** × DW2A QUALITY AND QUANTITY DW2B QUALITY AND QUANTITY X NO DW3A **QUALITY AND QUANTITY** Х NO DW3B **QUALITY AND QUANTITY** X NO DW4A QUALITY AND QUANTITY NO DW4B QUALITY AND QUANTITY NO QUALITY AND QUANTITY The site was analyzed as woods in good condition and a target RCN was determined. A target rainfall depth treatment (Pe) was determined based on the measured impervious areas and HSG soil types. The target Pe for this site is 1.4 inches. The target Pe was treated using Environmental Site Design practices WALLINGTON OVERLOOK AT EMERSON PLAT NO. 19414 ZONED R-SC as outlined in Chapter 5 of the 2000 Maryland Stormwater Design Manual, as amended by Maryland's Stormwater Management Act of 2007. The selected methods include Micro-bioretention (M-6), Dry Wells (M-5), and Non-rooftop Disconnection (N-2). This site is a parcel that was previously developed with a single family home which has been demolished. To protect the natural resources and existing development in the area, it is important to delay release of stormwater runoff from new impervious areas to avoid increasing peak runoffs, and to adequately treat the stormwater to avoid damage to sensitive species. The design incorporates dry wells, disconnection and micro-bioretention facilities to treat stormwater runoff, delay stormwater release and provide recharge. outfalls for the facilities will discharge to stabilized, undisturbed areas. The stormwater outfalls are directed toward existing release points to help to mimic the natural flow of drainage. HAMMONDS PROMISE ZÓNED R-SO-/ Forest resources will be protected by providing offsite banking or fee-in-lieu payment. There are no steep slopes, streams or wetlands or their buffers on the property. Sediment and erosion controls have been designed based on the 2011 Maryland Specifications for Soil DA: 0.21 AC CN 77 TC 10 MIN SITE ANALYSIS DATA/TABULATION Erosion and Sediment Control. Erosion control matting and super silt fence will be used to prevent runoff containing unacceptable levels of TSS from leaving the site and entering the adjacent stream and wetlands A) TOTAL PROJECT AREA 1.15 ±AC. during the construction. It will be the obligation of the contractor to install, inspect and maintain these B) AREA OF WETLANDS AND BUFFER 0.00 ±AC. C) AREA OF 100-YR. FLOODPLAIN AND BUFFER...... 0.00 ±AC. The target Pe for this site is 1.4 inches. By using Environmental Site Design practices as outlined in 7,983 SI D) AREA OF FOREST 0.00 ±AC. Chapter 5 of the 2000 Maryland Stormwater Design Manual as amended by Maryland Stormwater Management Act of 2007, full treatment of the target Pe of 1.4 was achieved, fully addressing the E) AREA OF STEEP SLOPES 15% OR GREATER...... 0.00 ±AC. stormwater management requirements. F) ERODIBLE SOILS LOT 4 1.15 ±AC. G) AREA OF PLAN SUBMISSION ... No alternative compliance or waivers are currently anticipated. H) LIMIT OF DISTURBED AREA 0.91± AC. GENERAL NOTES I) GREEN OPEN AREA... 0.89± AC. J) IMPERVIOUS COVER... 22.8% 1. SUBJECT PROPERTY ZONED R-SC PER THE COMPREHENSIVE ZONING PLAN EFFECTIVE 10-6-2013. K) PRESENT ZONING DESIGNATION...... R-SC 2. THIS PROJECT IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND L) PROPOSED USES FOR THE SITE: SINGLE FAMILY DETACHED DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS EFFECTIVE APRIL 13, 2004. 3. PROJECT BOUNDARY AND TOPOGRAPHY WITHIN THE SUBDIVISION AREA ARE BASED ON FIELD RUN BOUNDARY SURVEY AND TOPO PERFORMED BY BENCHMARK ENGINEERING, INC., JUNE, 2021. 4. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO CEMETERIES LOCATED ON THIS SITE. 5. THE FOREST CONSERVATION ACT OBLIGATION FOR THIS PROJECT WILL BE ADDRESSED USING FOREST BANKING OR A FEE-IN-LIEU PROPOSAL. THE FOREST CONSERVATION WILL BE FURTHER REVIEWED WITH THE SUBMISSION OF THE SUBDIVISION PLAN FOR THIS PROJECT. 6. THERE ARE NO STEEP SLOPES (25% OR GREATER) ON THE SITE. R/C DULEY 7. A SIMPLIFIED FOREST STAND DELINEATION AND NATURAL RESOURCES REVIEW HAS BEEN PERFORMED BY ECO-SCIENCE PROFESSIONALS, INC.. A PLAN, AND A LETTER REPORT DATED JANUARY 24, 2022 HAS BEEN SUBMITTED WITH THIS ENVIRONMENTAL CONCEPT PLAN. REBAR FLAGGED-8. DPZ FILE HISTORY: SDP-22-004 REVISION DATE 9. APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN 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 BENCHMARK 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 ● ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS LULTIMATE 50' RIGHT OF WAY ENGINEERING, INC. 10. SOIL EXPLORATION BORINGS OR TEST PITS WILL BE NEEDED AT THE NEXT PLAN STAGE, TO CONFIRM SUFFICIENT INFILTRATION FOR PLACEMENT OF DRYWELLS IN THE SITE SOILS, WHICH FALL IN 3300 NORTH RIDGE ROAD A SUITE 140 A ELLICOTT CITY, MARYLAND 21043 HYDROLOGIC SOILS GROUP 'C.' REVITZ PROPERTY (P) 410-465-6105 (F) 410-465-6644 11. THE FOREST CONSERVATION PLAN AND ASSOCIATED FOREST STAND DELINEATION WILL BE REVIEWED FOR WWW.BEI-CIVILENGINEERING.COM COMPLIANCE WITH THE FOREST CONSERVATION ACT AT THE SUBDIVISION PLAN, SITE DEVELOPMENT PLAN OR GRADING PERMIT STAGES. UNDER COUNTY LAW, ONLY A MD LICENSED FORESTER, MD LICENSED LANDSCAPE ARCHITECT OR AN ISA CERTIFIED ARBORIST WHO IS ALSO A STATE QUALIFIED PROFESSIONAL MAY PREPARE FOREST STAND DELINEATIONS, FOREST CONSERVATION PLANS OR OTHER REQUIRED COUNTY FOREST CONSERVATION PROGRAM DOCUMENTS. 12. AT CONSTRUCTION, PRE- AND POST-DEVELOPMENT 10 YEAR CONVEYANCE FLOW RATES AND SPREADS WILL BE ANALYZED ON DOWNSTREAM PROPERTIES, FOR DELETERIOUS IMPACTS. WHISKEY BOTTOM ESTATES CORNERSTONE HOMES LLC 9693 GERWIG LANE, SUITE L 13. FULL DESIGN AND EXTENT OF THE FRONTAGE IMPROVEMENTS WILL BE DETERMINED AT THE MINOR SUBDIVISION STAGE OF DEVELOPMENT REVIEW. LACK OF FULL RIGHT OF WAY DEDICATION PRECLUDES COLUMBIA, MD 21046 9722 WHISKEY BOTTOM ROAD 443-676-2417 EXTENSION OF IMPROVEMENTS TO THE WEST. 14. DETAILED SWALE DESIGN, INCLUDING SHEAR STRESS AND SWALE SECTIONS WILL BE PROVIDED AT FINAL TAX MAP: 47 GRID: 15 PARCEL: 135 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND APPROVED: DEPARTMENT OF PLANNING AND ZONING ENVIRONMENTAL CONCEPT PLAN 1 inch = 30 ft.**PLAN VIEW** CHIEF, DEVELOPMENT ENGINEERING DIVISION 1" = 30'DATE: MAY, 2022 DESIGN: AAM | DRAFT: AAM SCALE: AS SHOWN CHIEF, DIVISION OF LAND DEVELOPMENT

BEI PROJECT NO. 3062

ws of the State of Maryland, License No. 28376, Expiration Date: 1-1-2023.

ZONED: RSC

SCALE: 1" = 2000'

N 531895.744'

BENCHMARKS NAD'83

HO. CO. #47HF ELEVATION: 281,683

N 531817.270' E 1355258.835'