

5CALE : 1" = 1200"

STABILIZED CONSTRUCTION

TPF TREE PROTECTION FENCE

BENCH MARKS

TRAV PK NAIL N. 569,208.379 E. 1,372,936.210

ADC MAP 28 VICINITY MAP PAGE C-6

## GENERAL NOTES

- 1. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- 2. THE CONTRACTOR SHALL NOTIFY (MISS UTILITY) AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE 3. BOUNDARY SHOWN HEREON IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED BY FREDERICK WARD ASSOCIATES DATED OCTOBER 25, 2013. TOPOGRAPHY SHOWN HEREON IS BASED ON A
- TOPOGRAPHIC SUVERY PERFORMED BY FREDERICK WARD ASSOCIATES ON OCTOBER 25, 2013 AND SUPPLEMENTED WITH HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.

  THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 31GC, AND 31GD WERE USED FOR THIS PROJECT. PREVIOUS DPZ FILE NUMBERS: N/A.
- 6. STORM WATER MANAGEMENT IS IN ACCORDANCE WITH THE M.D.E. STORM WATER DESIGN MANUAL, VOLUMES I & II, REVISED 2009. NON-STRUCTURAL PRACTICES IN ACCORDANCE WITH CHAPTER 5 ARE BEING UTILIZED.
- 8. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
  9. THE SUBJECT PROPERTY IS ZONED R-20 (PER DATE 10/06/2013 COMPREHENSIVE ZONING PLAN.
  10. NO 100 YEAR FLOODPLAIN, STEEP SLOPES, FOREST, WETLANDS, STREAM(5) AND/OR THEIR BUFFERS EXIST
- 11. FOREST CONSERVATION OBLIGATIONS WILL BE MET AT THE SITE DEVELOPMENT PLAN STAGE OF THIS PROJECT.

  LOT IS EXEMPT FROM FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202(b)(1)(i), SINCE THIS IS A
  DEVELOPMENT OF LAND THAT IS LESS THAN 40,000 SQUARE FEET.

  12. A SOIL BORING WILL BE REQUIRED FOR THIS PROJECT.

  13. APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED
- SUBDIMISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIMISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REQUIATIONS SHALL OCCUR AT THE SUBDIMISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN STAGES AND/OR RED-LINE REVISION PROCESS. 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.
- 14. AN ADMINISTRATIVE ADJUSTMENT HAS BEEN APPROVED FOR THE REDUCTION IN ZONING SETBACKS FROM 50' FRONT TO 40' FRONT. DECISION & ORDER DATED OCTOBER 17, 2013.

NTRODUCTION:
THIS REPORT PRESENTS HOW THE REDEVELOPMENT CRITERIA CAN BE MET ONSITE TO SATISFY THE SWM REQUIREMENTS PUT FORTH IN CHAPTER 5 OF THE MARYLAND DEPARTMENT OF THE ENVIRONMENT'S SWM DESIGN

GENERAL SITE CONDITIONS:

BONNIE ACRES, LOT 8 IS NEW DEVELOPMENT ON A SINGLE LOT THAT IS ZONED R-20. IT IS LOCATED ON TAX MAP 31, GRID 15, PARCEL NO. 413 OF THE HOWARD COUNTY, MARYLAND TAX MAP DATABASE SYSTEM. THE PROPERTY IS PART OF A LARGER SUBDIVISION RECORDED IN 1959 WHICH WAS ONE OF SEVERAL PLATS RECORDED FOR LOTS IN THE SUBDIVISION "BONNIE ACRES". THIS PLAT CONSISTED OF ELEVEN (11) BUILDABLE LOTS. THE EXISTING HOUSE ON LOT 8 IS TO BE REMOVED AND REPLACED WITH A NEW HOUSE. EXISTING PUBLIC WATER AND SEWER HOUSE CONNECTIONS WILL BE UTILIZED. THE PROPERTY IS LOCATED IN THE ELLICOTT CITY AREA OF HOWARD COUNTY IN THE WATERSHED OF BONNIE BRANCH OF THE LOWER NORTH BRANCH OF THE PATAPSCO RIVER (02130906). THIS PROPERTY IS RECTANGULAR IN SHAPE AND RUNOFF ON-SITE IS FROM NORTHWEST TO SOUTHEAST WHERE RUNOFF DRAINS TO AN EXISTING INLET IN BONNIE ACRES DRIVE WHERE TRAVELS THRU THE STORM DRAIN SYSTEM AND EVENTUALLY OUTFALLS TO GROUND THEN TO AN UNNAMED TRIBUTARY OF BONNIE BRANCH. ONE (1) SPECIMEN TREE EXISTS ON—SITE, AND ALTHOUGH NOT PROPOSED TO BE REMOVED, IS IN POOR CONDITION. ALSO, ACCORDING TO A FIELD INSPECTION CONDUCTED BY ECO—SCIENCE PROFESSIONALS (ESP) DATED OCTOBER 31, 2013, NO WETLANDS ARE PRESENT ON-SITE. THE WEB SOIL SURVEY SHOWS SOILS ON THE SITE CONSIST OF URBAN LAND-CHILLUM- BELTSVILLE COMPLEX (UCB), TYPE "D SOILS THE RUNOFF FROM THE ROOF OF THE PROPOSED HOUSE IS TO BE DIRECTED THROUGH ROOF LEADERS TO A MICRO-BIORETENTION WHICH WILL OUTFALL INTO THE EXISTING INLET IN BONNIE ACRES DRIVE. RUNOFF FROM THE PROPOSED DRIVEWAY WILL FLOW OVERLAND AND BE TREATED BY NON-ROOFTOP DISCONNECTION.

- NATURAL RESOURCE PROTECTION: ENVIRONMENTALLY SENSITIVE AREAS DO NOT EXIST ON—SITE, THEREFORE NO EFFORTS TO PROTECT NATURAL RESOURCES ON-SITE WILL BE REQUIRED.
- MAINTENANCE OF NATURAL FLOW PATTERNS: IT IS THE INTENT OF THE PROPOSED DESIGN TO DISCHARGE RUNOFF SIMILAR TO THE CHARACTERISTICS AND DIRECTION OF THIS SITE PRIOR TO ANY OF THE PROPOSED IMPROVEMENTS.
- REDUCTION OF IMPERVIOUS AREAS THROUGH BETTER SITE DESIGN. ALTERNATIVE SURFACES AND NONSTRUCTURAL PRACTICES
  THE DESIGN OF THIS PROJECT UTILIZES A SINGLE DRIVEWAY IN CLOST PROXIMITY TO THE EXISTING DRIVEWAY. NON-STRUCTURAL PRACTICES AS PERMITTED IN CHAPTER 5, ONE (1) MICRO-BIORETENTION AREAS (M-6) AND NON-ROOFTOP DISCONNECTION (N-2) WILL BE USED TO ADDRESS ESD TO THE MEP REQUIREMENTS.
- INTEGRATION OF EROSION AND SEDIMENT CONTROLS INTO STORMWATER STRATEGY:
  SINCE THIS IS A SMALL DRAINAGE AREA (SITE IS 0.5 ACRE), SILT FENCE, SUPER SILT FENCE, AND EROSION
  CONTROL MATTING WILL BE UTILIZED FOR EROSION & SEDIMENT CONTROL. THERE IS NO DIRECT DISCHARGE OF RUNOFF TO A STREAM. ALL SITE RUNOFF WILL DISCHARGE TO THE THE EXISTING GROUND OR DIRECTLY TO THE EXISTING INLET PRIOR TO ENTERING THE EXISTING OFF-SITE STREAM CHANNEL AND EVENTUALLY TO THE PATAPSCO RIVER. NO DRAINAGE EASEMENTS WILL BE REQUIRED. IT IS ANTICIPATED THAT ALL CUT WILL BE UTILIZED ON-SITE FOR CONSTRUCTION AT TIME OF GRADING PLAN.
- IMPLEMENTATION OF ESD PLANNING TECHNIQUES AND PRACTICES TO THE MAXIMUM EXTENT PRACTICABLE (MEP) THE FULL REQUIRED ESD VOLUME IS BEING PROVIDED.
- VI. REQUEST FOR A WAIVER TO FOREST CONSERVATION:
  NO WAIVERS RELATED TO STORMWATER MANAGEMENT ARE BEING REQUESTED IN THIS PROJECT

	50IL5 LEGEND	
50IL	NAME	CLA55
UcB	Urban land-Chillum- Beltsville complex, 0 to 5 percent slopes	<b>D</b>

- \* Hydric soils and/or contains hydric inclusions \*\* May contain hydric inclusions
- Generally only within 100-year floodplain areas

ENVIRONMENTAL CONCEPT PLAN

LOT 8 BONNIE ACRES 5148 BONNIE ACRES DRIVE

Zoned: R-20 Tax Map No. 31; Grid No. 15; Parcel No. 413 Second Election District - Howard County, Maryland Date: December 23, 2013 Scale: As Shown Sheet 1 of 1

ECP-14-043