GENERAL NOTES THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED. THE EXISTING ON—SITE TOPOGRAPHY IS BASED ON A TOPOGRAPHIC SURVEY BY MCKENZIE—SNYDER DATED APRIL, 2011. OFF SITE AREAS HAVE BEEN SUPPLEMENTED WITH HO CO GIS TOPOGRAPHICAL INFORMATION. EXISTING CONTOURS ONSITE ASSUME PROPOSED GRADES FROM F—19—038 AND SDP—21—039 HAVE BEEN ESTABLISHED. BOUNDARY INFORMATION IS FROM BOUNDARY SURVEYS BY GUTSCHICK, LITTLE, AND WEBER, P.A., DATED MAY 2013. 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. 171C AND 171B WERE USED FOR THIS PROJECT. THE SUBJECT PROPERTY IS ZONED "R-20" IN ACCORDANCE WITH THE 10/6/2013 COMPREHENSIVE ZONING PLAN AND IS SUBJECT TO THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS EFFECTIVE NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT AREAS. -WATER SERVICE CONNECTIONS (WHC) FOR THIS PROJECT ARE FROM PUBLIC CONTRACT NO. 14-4879-D. -SEWER SERVICE CONNECTIONS (SHC) FOR THIS PROJECT ARE FROM PUBLIC CONTRACT NO. 14-4879-D. 9. THERE ARE NO STEEP SLOPES OVER 20,000 CONTIGUOUS SQUARE FEET ON THE PROPERTY 11. THERE ARE NO WETLANDS, STREAMS OR BUFFERS PRESENT ON THE SITE.

14. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL GROUNDS OR CEMETERIES ON THIS PROPERTY. THERE IS HISTORIC STRUCTURE ON THIS LOT THAT DATES BACK TO 1900. THE STRUCTURE HAS DETERIORATED BEYOND SALVAGING AND WILL BE DEMOLISHED. THE COUNTY'S ARCHITECTURAL HISTORIAN HAS REVIEWED THE STRUCTURE FOR DEMO.

MICRO-SCALE PRACTICES USED ARE 3 DRYWELLS (M-5), AND NON STRUCTURAL METHOD, DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2) AND DISCONNECTION OF ROOFTOP RUNOFF (N-1). THESE FACILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED.

APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION 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 PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN 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.

APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) BY THE HOWARD SOIL CONSERVATION DISTRICT DOES NOT GRANT APPROVAL OF THE PROPOSED SEDIMENT CONTROL SCHEME. THE FINAL PLAN SHALL INCLUDE A SEQUENCE OF CONSTRUCTION WHICH SHALL DETAIL SEDIMENT & EROSION CONTROLS AND PHASING AND ADDRESS THE PROJECT TEMPORARY STORMWATER MANAGEMENT

18. NO WAIVER PETITIONS FOR ENVIRONMENTAL DISTURBANCE OR ENCROACHMENTS ARE REQUIRED. A WAIVER FOR REMOVAL OF SPECIMEN TREE SHALL BE SUBMITTED WITH THE FUTURE SITE DEVELOPMENT PLAN.

ENVIRONMENTAL SITE DESIGN NARRATIVE:

SITE. THERE IS APPROXIMATELY 0.13 AC. OF FOREST ON SITE.

AND NON-ROOFTOP DISCONNECTS (N-2).

DEVELOPMENT PLAN PHASE OF THE PROJECT.

DEVELOPMENT PLAN PHASE OF THE PROJECT.

SITE ANALYSIS DATA CHART

AREA OF WETLANDS AND WETLAND BUFFERS:

AREA OF MODERATE SLOPES (15% TO 24.99%):

AREA OF STEEP SLOPES (25% OR GREATER):

PROPOSED USES FOR SITE AND STRUCTURES:

NET AREA OF PROJECT:

AREA OF FLOODPLAIN:

AREA OF FOREST:

FRODIRLE SOLLS:

GREEN OPEN AREA:

DPZ FILE REFERENCES:

LIMIT OF DISTURBED AREA:

PROPOSED IMPERVIOUS AREA:

PRESENT ZONING DESIGNATION:

1. THE PROPERTY IS A GENERALLY LEVEL LOT. THERE IS NO WETLAND, STREAM, AND THEIR BUFFERS ON THE

2. THE SITE NATURALLY SLOPES FROM NORTH TO SOUTH. THE SITE HAS BEEN DESIGNED TO MAINTAIN THE

3. THE CONCEPTUAL REDUCTION IN IMPERVIOUS AREA THROUGH BETTER SITE DESIGN IS ACHIEVED THROUGH

THE ENVIRONMENTAL SITE DESIGN (ESD) FOR THE PROJECT TO THE MAXIMUM EXTENT PRACTICABLE (MEP).

THE RESULTS OF THE ENVIRONMENTAL SITE DESIGN FOR THIS PROJECT WILL REFLECT "WOODS IN GOOD

CONDITION". THE ESD CONCEPT INCLUDES THE USE OF DRYWELLS (M-5), ROOFTOP DISCONNECTION (N-1

4. SEDIMENT CONTROL FOR THIS SPECIFIC SITE PLAN WILL BE PROVIDED THROUGH THE USE OF SUPER SILT

5. STORMWATER MANAGEMENT FOR THE PROJECT SHALL BE MET THROUGH THE MICRO-SCALE PRACTICE OF

DRYWELLS (M-5), AND NON STRUCTURAL METHOD, DISCONNECTION OF ROOFTOP (N-1) AND NON-ROOFTOP

THE PROPOSED PRÁCTICES HAVE BEEN MAXIMIZED TO THE EXTENT PRACTICAL. THE CALCULATED RAINFALL TARGET (PE) FOR THIS PROJECT IS 1.8", AND THE TOTAL RUNOFF VOLUME (ESDV) REQUIRED IS 697 CF.

6. THERE ARE 3 SPECIMEN TREES ON LOT 34 WHICH HAVE BEEN DELINEATED BY THE ENVIRONMENTALIST

(ECO-SCIENCE PROFESSIONALS). 1 SPECIMEN TREE WILL BE REQUIRED TO BE REMOVED. AN ALTERNATIVE

COMPLIANCE WILL BE PROCESSED FOR THE REMOVAL OF SPECIMEN TREE NO. 28 DURING THE FUTURE SITE

0.60 AC. 0.00 AC

0.00 AC.

0.00 AC.

0.00 AC. 0.00 AC.

0.30 AC.

0.10 AC.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, 'DEVELOPMENT ENGINEERING DIVISION

CHIEF, DIVISION OF LAND DEVELOPMENT,

RESIDENTIAL

0.20 AC. (OPEN AND ENVIRONMENTAL)

ECP-14-059, SP-15-022, F-19-038,

2.9.22

*BAILE COMPONENT OF GnB, ERODIBILITY FACTOR IS 0.32 AND IS CONSIDERED HYDRIC

SDP-21-022, SDP-21-039

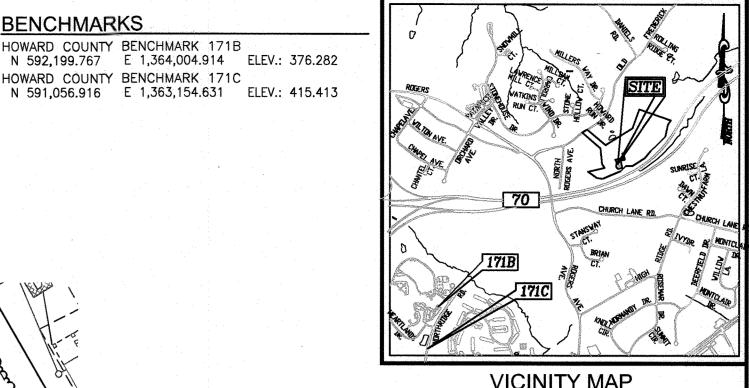
0.13 AC.

AND SHALL BE APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT DURING THE FUTURE SITE

STORMWATER MANAGEMENT FOR THE PROJECT IS PROVIDED BY THE USE OF MICRO-SCALE PRACTICES IN ACCORDANCE WITH ENVIRONMENTAL SITE DESIGN CRITERIA SYSTEM. THE

13. SUNELL LANE IS PUBLIC ACCESS STREET.

ENVIRONMENTAL CONCEPT PLAN PATAPSCO CROSSING



VICINITY MAP

SCALE: 1" = 2000' ADC MAP COORDINATE: 21 - B4

EXISTING WETLAND

EXISTING PUBLIC SEWER AND UTILITY EASEMENT PLAT# 25237

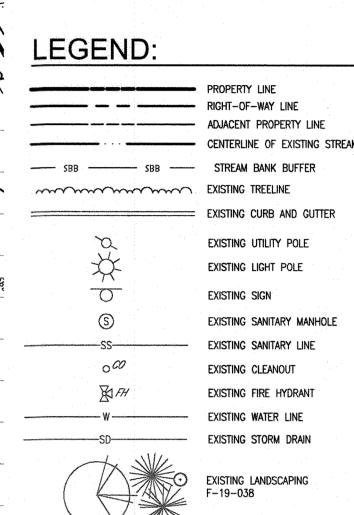
STORMWATER MANAGEMENT ACCESS EASEMENT PLAT#2523

EXISTING SPECIMEN TREE

EXISTING PRIVATE NOISE

FENCE EASEMENT PLAT# 25232

F-19-038



BENCHMARKS

HOWARD COUNTY BENCHMARK 171B

HOWARD COUNTY BENCHMARK 171C

SHEET INDEX SHEET NO. COVER SHEET AND ESDV CONCEPT PLAN 1 OF 2 STORMWATER MANAGEMENT DRAINAGE AREA MAP & DETAILS 2 OF 2

EXISTING STREET TREES

BUILDER MILLER AND SMITH ATTN: STEVE B. AYLOR 1960 GALLOWS ROAD, SUITE 200 VIENNA, VA 22182 703-821-2500

NO.

OWNER PATAPSCO CROSSING, LLC 24012 FREDERICK ROAD CLARKSBURG, MD 20871 301-428-0800 **DEVELOPER** PLEASANTS DEVELOPMENT, LLC. 24012 FREDERICK ROAD CLARKSBURG, MD 20871 301-428-0800

REVISION ENVIRONMENTAL CONCEPT PLAN **COVER SHEET**

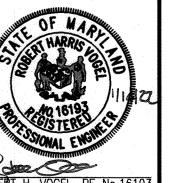
PATAPSCO CROSSING

LOT 34 8524 SUNELL LANE

VOGEL ENGINEERING

TIMMONS GROUP

3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043 P: 410.461.7666 F: 410.461.8961 www.timmons.com



CHECKED BY:

W.O. NO.:

SHEET __ OF _

