GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- 2. THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE

STARTING WORK ON THESE DRAWINGS: VERIZON TELEPHONE COMPANY: HOWARD COUNTY BUREAU OF UTILITIES: AT&T CABLE LOCATION DIVISION: B.G.&E. CO. UNDERGROUND DAMAGE CONTROL:

STATE HIGHWAY ADMINISTRATION: 3. PROPERTY BOUNDARY PREPARED BY DEED AND TOPOGRAPHY FROM HOWARD COUNTY GIS

- 4. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY
- EXCAVATION WORK. 5. 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 START OF WORK. 6. ANY DAMAGE TO PUBLIC RIGHT-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT
- 7. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO CEMETERIES OR GRAVE SITES LOCATED ON THE SUBJECT PROPERTY.
- 8. STORM WATER MANAGEMENT TO BE PROVIDED FOR THIS DEVELOPMENT BY ENVIRONMENTAL SITE DESIGN UTILIZING DRYWELLS & NON-ROOFTOP DISCONNECTION.
- 9. THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
 DEVELOPMENT OR CONSTRUCTION OF THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT

AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION, OR BUILDING AND GRADING PERMITS.

- 10. THE SUBJECT PROPERTY IS ZONED "R-20" IN ACCORDANCE WITH THE 2/2/04 COMPREHENSIVE ZONING PLAN AND THE COMP. LITE ZONING REGULATIONS EFFECTIVE ON 7/28/06.
- 11. THIS SITE IS NOT LOCATED IN A HISTORIC DISTRICT, NOR ARE THERE ANY HISTORIC STRUCTURES ON SITE
- 12. THE PROPOSED FACILITY AND RELATED CONSTRUCTION WILL NOT AFFECT ENVIRONMENTAL FEATURES OR BUFFERS. 13. EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS, FIELD SURVEYS, PUBLIC WATER AND AND SEWER EXTENSION PLANS AND AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTORS INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S EXPENSE
- CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE 14. WATER AND SEWER FOR THIS PROJECT WILL BE PUBLIC. WATER WILL BE PROVED THROUGH CONTRACT #44-3727-D. SEWER WILL BE PROVIDED THROUGH CONTRACT #10-3697-D.
- 15. 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. 31EB AND 31I6
- WERE USED FOR THIS PROJECT. 16. NO RARE, THREATENED OR ENDANGERED SPECIES WERE NOT OBSERVED ON THE PROPERTY.
- 17. THERE IS 100-YR FLOODPLAIN WITHIN THE LIMITS OF THIS SITE.
- 18. SEDIMENT AND EROSION CONTROL WILL BE PROVIDED FOR THIS SITE.
- 19. A NOISE STUDY IS NOT REQUIRED FOR THIS SUBDIVISION. 20. THERE ARE EXISTING STRUCTURES LOCATED ON SITE. ALL EXISTING STRUCTURES LOCATED ON-SITE SHALL
- BE REMOVED. 21. TALBOTS LANDING IS NOT A SCENIC ROAD.
- 22. APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED APPROVAL OF THIS 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 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

23. FOREST CONSERVATION IS NOT REQUIRED FOR THIS SITE, THE FOREST CLEARING IS LESS THAN 20,000 SF. 24. NO ENVIRONMENTAL FEATURES (WETLANDS, STREAMS, STEEP SLOPES AND BUFFERS) EXIST ON SITE. 25. STOCKPILING DURING CONSTRUCTION WILL BE PERMITTED ON SITE

ENVIRONMENTAL SITE DESIGN NARRATIVE:

TALBOT'S LANDING PROPERTY ENVIRONMENTAL CONCEPT PLAN

The subject site is located at the terminus of Talbots Landing in Ellicott City, Maryland. The site is zoned R-20 and is identified as Tax Map 31, Parcel 668, lot 2B. The site area is 1.48 acres and access will be provided via a private common access easement to Talbots Landing.

The site is currently undeveloped. It is proposed to develop one single family detached house on the lot. The new houses will consist of a driveway and both public water and sewer. Forest conservation will not be applicable on this site due to clearing of less than 20,000 sf. There is a stream located just east of the property which has a floodplain designation indicated on the plan, this area will not be disturbed during construction.

Environmental Site Design for the proposed lot is based on the proposed limit of disturbance is considered new development. The ESDv is based on the reduction of runoff to mimic "woods in good condition".

II. METHODOLOGY

Stormwater management for the project has been provided in accordance with the 2000 Maryland Stormwater Design Manual, 2007 Stormwater Management Act, MDE Design Computations and Howard County requirements. The proposed improvements consist of one single family detached house.

The site slopes from west to east. The Maryland Department of the Environment, Environmental Site Design criteria has been implemented. The Environmental Concept Plan addresses the overall requirements for the site. There is one drainage areas which has been delineated by ESD treatment. The attached spreadsheet tabulates the ESDv by drainage area (minimum, maximum and target). The Environmental Concept Plan utilizes non-rooftop disconnection (N-2) and dry wells (M-5) to accommodate the total ESD volume required for the project.

The offsite drainage flowing to the site will remain undisturbed and flow through the existing stream area this area will not be managed or treated.

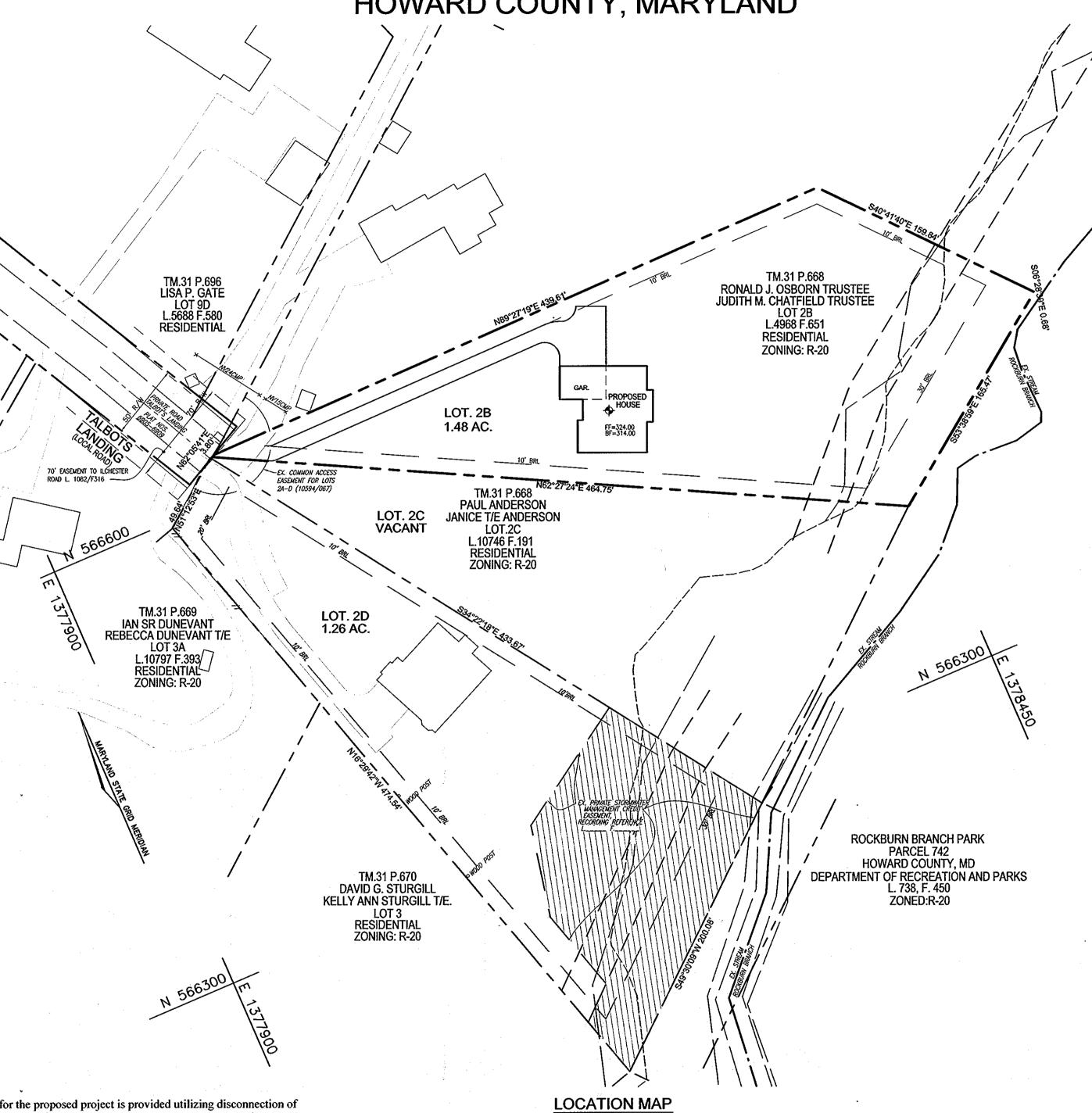
The site consists of Hydrologic Soil Group type 'B' & 'D' soils. The weighted P_E to mimic "woods in good condition" is 1.0 based on an overall development impervious percentage of 25.8. The resulting recharge factor (R_V) is 0.28. Applying an overall limit of disturbance of 0.54 acres, the total ESDv required for this project is 552 cf. The Rev required is 112 cf.

Disconnection of Non-Rooftop (N-2) runoff and dry wells (M-5) will be utilized to fulfill the ESDv requirement. Each drainage area provides ESDv which exceeds the minimum ($P_E = 1.0$ °) and does not exceed the maximum (P_E=2.6"). Additionally, Rev is provided via these practices.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

ENVIRONMENTAL CONCEPT PLAN TALBOT'S LAST SHIFT

HOWARD COUNTY, MARYLAND



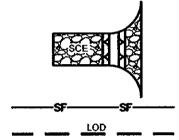
III. CONCLUSION

The ESDv requirement of 552 cf for the proposed project is provided utilizing disconnection of non-rooftop practices (N-2) and dry wells (M-5). The required Rev of 112 cf will be provided by the same practice. Considering the size and configuration of the development we anticipate sediment control will be accommodated by perimeter reinforced silt fence.

The Environmental Site Design for this project successfully incorporates the methodology present in the MDE stormwater Design Manual, Chapter 5. This report and the associated Plan successfully address the following:

- Map if all site resources
- Field verification of the natural resource map
- Proposed limits of clearing and grading Location of proposed impervious areas
- Location of existing and proposed utilities Estimates of stormwater requirements
- Location of ESD practices
- Stable conveyance of stormwater at potential outfall locations
- Narrative addresses:
- Natural resource protection and enhancement
- Maintenance of natural flow patterns
- Reduction of impervious areas through better site design, alternative surfaces, and
- non-structural practices
- Integration of erosion and sediment control into the stormwater strategy
- Implementation of ESD planning techniques and practices to the MEP

LEGEND:	
	PROPERTY LINE RIGHT-OF-WAY LINE ADJACENT PROPERTY LINE EXISTING CURB AND GUTTER
à	EXISTING UTILITY POLE
*	EXISTING LIGHT POLE
\sum	EXISTING MAILBOX
0	EXISTING SIGN
SMF 2	EXISTING SANITARY MANHOL
	EXISTING SANITARY LINE
000	EXISTING CLEANOUT
 FH	EXISTING FIRE HYDRANT
	EXISTING WATER LINE
	EXISTING TREELINE
//	EXISTING FENCE
······································	PROPOSED TREELINE



PROPOSED STABILIZED CONSTRUCTION ENTRANCE

PROPOSED SILT FENCE

1.48 AC.

1.48 AC.

0.00 AC

0.19 AC.

1.04 AC.

0.62 AC.

0.38 AC.

0.00 AC 0.53 AC.

0.14 AC.

0.00 AC.

R-20

0.42 AC. (18,252 SF)

SITE ANALYSIS DATA

AREA OF WETLANDS AND BUFFERS:

AREA OF FOREST TO BE REMOVED:

H. AREA OF STEEP SLOPES (15% & GREATER):

O. TOTAL NUMBER OF UNITS PROPOSED:
P. DPZ REFERENCES: CONT. #10-3697 (SEWER)
& 44-3727-D (WATER)

D. AREA OF FLOODPLAIN & BUFFERS:

G. AREA OF FOREST TO BE REMAIN:

. PRESENT ZONING DESIGNATION:

. TOTAL NUMBER OF UNITS ALLOWED

B. AREA OF PLAN SUBMISSION:

J. LIMIT OF DISTURBED AREA: K. PROPOSED IMPERVIOUS AREA:

M. OPEN SPACE REQUIRED:

A. TOTAL PROJECT AREA:

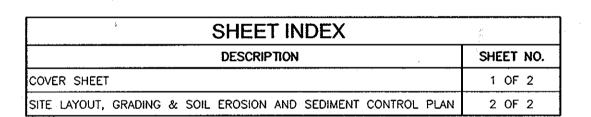
. AREA OF FOREST:

I. ERODIBLE SOILS:

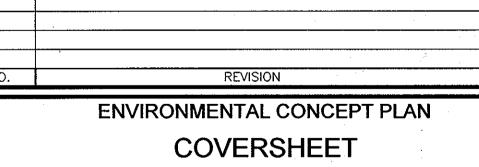
VICINITY MAP SCALE: 1"=2,000' ADC MAP COORDINATE: 4936/H5

BENCHMARKS

HOWARD COUNTY BENCHMARK 31EB (CONC. MON.) N 568730.9925 E 1376273.5708 ELEV. 452.700 HOWARD COUNTY BENCHMARK 3116 (CONC. MON.) N 565933.3904 E 1380153.4594 ELEV. 344.125



OWNER RONALD J. OSBORN & JUDITH M. CHATFIELD, TRUSTEE 2306 LAKE CIRCLE DRIVE **CONTRACT PURCHASER**



TALBOT'S LAST SHIFT LOT 2B

TAX MAP 31 BLOCK 22 IST ELECTION DISTRICT

PARCEL 668, LOT 2B HOWARD COUNTY, MARYLAND ROBERT H. VOGEL



ENGINEERS • SURVEYORS • PLANNERS 8407 Main Street Tel: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



