GENERAL NOTES THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS ALTERNATIVE COMPLIANCE HAVE BEEN WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY CONTROL STATION 37CA WILL BE PAID WITH THE BUILDER'S GRADING PERMIT. LOCATED WITHIN THE DEVELOPMENT AREA.

2. THIS ENVIROMENTAL CONCEPT PLAN IS SUBJECT TO THE FOLLOWING DPZ FILES:

CONTRACT NO. F-96-177, CONTRACT 5-W, 44-3116, 44-1024, 10-1043, 347-S, WP-97-87.

3. THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY GIS.

4. THE PROJECT BOUNDARY IS BASED ON A FIELD RUN BOUNDARY PERFORMED BY MARKS & VOGEL ASSOCIATES, INC., DATED THE COORDINATES AND ELEVATIONS SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL

AND 37CB WERE USED FOR THIS PROJECT. THE SUBJECT PROPERTY IS ZONED R-20 IN ACCORDANCE WITH THE ZONING REGULATIONS EFFECTIVE ON OCT. 06, 2013, AND IS SUBJECT TO SUBDIVISION AND LAND DEVELOPMENT REGULATIONS EFFECTIVE OCT. 07, 2007 PER COUNCIL BILL 47-2007 & 48-2007. DEVELOPMENT OR CONSTRUCTION ON THIS PROPERTY MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, ALTERNATIVE COMPLIANCE PETITION APPLICATION OR BUILDING/GRADING PERMIT APPLICATIONS. THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT.

WATER FOR THIS PROJECT SHALL BE FROM AN EXTENSION OF CONTRACT NO. #44-1024. - SEWER FOR THIS PROJECT SHALL BE FROM THE PROPOSED EXTENSION OF CONTRACT NO. #10-1043.

- SEWER FOR THIS PROJECT SHALL BE FROM THE PROPOSED EXTENSION OF CONTRACT NO. #10-1043.

- WATER AND SEWER SERVICE WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 18.122.B OF THE HOWARD COUNTY CODE. ALLOCATIONS WILL BE GRANTED AT TIME OF ISSUANCE OF BUILDING PERMIT IF CAPACITY IS AVAILABLE AT THAT TIME.

8. THIS SITE IS NOT LOCATED IN A HISTORIC DISTRICT. NO RARE, THREATENED OR ENDANGERED SPECIES OR THEIR HABITATS WERE OBSERVED ON THE PROPERTY. 10. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAM(S) OR THEIR REQUIRED BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT AREAS. 11. WETLANDS AND THEIR BUFFERS WILL NOT BE IMPACTED BY THE CONSTRUCTION OF THE SITE

12. THERE ARE NO "FLOODPLAIN" AREAS LOCATED WITHIN THE DEVELOPMENT AREA. FLOODPLAIN SHOWN NORTH OF LOT 3 IS FROM ROCKBURN BRANCH FLOOD STUDY, MAP # 26-46B. 13. THERE ARE 211 S.F. STEEP SLOPES, 25% OR GREATER. 14. THE PROJECT SITE WAS EVALUATED FOR THE PRESENCE OF ENVIRONMENTAL FEATURES AND A LETTER HAS BEEN PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. C/O MR. JOHN CANOLES, MARCH 20, 2018. MR. CANOLES NOTED AREAS OF FOREST AND LAWN BUT NO SPECIMEN TREES OR ANY OTHER REGULATED ENVIRONMENTAL FEATURES WERE FOUND WITHIN THE LIMITS

THE DEVELOPMENT AREA FOR THIS PROJECT. WETLAND DELINEATION FOR AREA NORTH OF LOT 3 PROVIDED BY MARKS & VOGEL ASSOCIATES, INC., DATED APRIL 1996. 15. THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FORES' CONSERVATION. A FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE, FOREST CONSERVATION ACT, (FOREST RETENTION). NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITCHIN THE FOREST CONSERVATION EASEMENT, HOWEVER FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF CONSERVATION EASEMENT ARE ALLOWED. THE BALANCE OF THE FOREST CONSERVATION

OBLIGATION INCURRED BY THIS SUBDIVISION (0.23 AC. OF REFORESTATION) HAVE BEEN MET BY PAYMENT OF \$3005.00 TO THE HOWARD COUNTY FOREST CONSERVATION FUND. THE FOREST CONSERVATION REQUIREMENTS WERE ADDRESSED UNDER 16. A LANDSCAPE PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY IN THE AMOUNT OF \$3,000.00 FOR THE REQUIRED 10 SHADE TREES.

17. THERE ARE 0 S.F. (0.00 AC.) AREA OF WETLANDS PRESENT WITHIN THE DEVELOPMENT AREA PER DELINEATION BY MARKS & VOGEL ASSOCIATÈS, INC., DATED APRIL 1996. 18. THERE ARE O S.F. (0.00 AC.) AREA OF OPEN SPACE PRESENT. OPEN SPACE IS NOT REQUIRED FOR A MINOR SUBDIVISION.
19. GEOTECHNICAL INVESTIGATIONS SHALL BE COMPLETED AS PART OF THE SITE DEVELOPMENT PLAN SUBMISSION.

20. REFERENCE WP-97-87 APPROVED APRIL 16, 1997 TO WAIVE SECTION 16.120(b)(5)(i) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS TO NOT REQUIRE NOISE MÌTIGATIÒN BY MEANS OF A BERM FOR THE 65d BA NOISE LINE CROSSING LOT 1. CONDITION OF APPROVAL: CONSTRUCTION OF A MINIMUM 5-FOOT HIGH SOLID BOARD FENCE TO SUPPLEMENT THE TYPE 'B' VEGETATIVE BUFFER REQUIRED ON MONTGOMERY ROAD. PLANT TREES ON THE STREET SIDE (IE. OUTSIDE) OF THE FENCE. A TALLER FENCE IS PERMITTED FOR USE AS A NOISE MITIGATION DEVICE. 21. LANDING ROAD IS CLASSIFIED ÁS A MINOR COLLECTOR AND A SCENIC ROAD. MONTGOMERY ROAD IS CLASSIFIED AS A MINOR ARTERIAL. SITE ACCESS SHALL BE VIA PRIVATE DRIVEWAYS FROM LANDING ROAD.

22. A TRAFFIC STUDY IS NOT REQUIRED FOR THIS PROJECT. THIS PROJECT IS EXEMPT FROM AN ADEQUATE ROADS FACILITIES TEST STUDY, AS IT IS A MINOR SUBDIVISION. 24. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL GROUNDS, CEMETERIES, OR HISTORIC STRUCTURES

25. THERE ARE NO EXISTING DWELLINGS OR STRUCTURES WITHIN THE DEVELOPMENT AREA.
26. A FEE-IN-LIEU OF STORMWATER MANAGEMENT FOR THE PROJECT WAS APPROVED BY THE DIRECTOR OF PUBLIC WORKS ON 6/28/96. WATER QUALITY TRENCHES AND DRYWELLS SHALL BE PROVIDED WITH INDIVIDUAL HOUSE CONSTRUCTION. SEDIMENT AND EROSION CONTROLS WILL BE PROVIDED FOR THIS SITE BY ON LOT PERIMETER CONTROLS.

THERE ARE 1.26 AC. OF HIGHLY ERODIBLE SOILS ON THIS SITE 29. DRIVEWAY ACCESS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:

A) WIDTH- 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE). B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING. (1-1 1/2" MIN.) C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% CHANGE AND MINIMUM OF 45-FOOT TURNING RADIUS. D) STRUCTURES (CULVERT/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).

E) DRAINAGE ELEMENTS-CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER F) STRUCTURE CLEARANCES-MINIMUM 12 FEET. G) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.

30. A PRE-SUBMISSION COMMUNITY MEETING IS NOT REQUIRED FOR CONSTRUCTION OF A HOME ON AN EXISTING LOT.

MIHU'S ARE REQUIRED FOR THIS PROJECT. THE DEVELOPER WILL PAY A FEE-IN-LIEU TO ADDRESS THIS REQUIREMENT. DECLARATION OF COVENANTS FOR LOTS 1 AND 2 SHALL BE RECORDED WITH THE DEVELOPER AGREEMENT AND SIMULANEOUSLY WITH THE PRIVATE STORMWATER DEVICES LOCATED ON THESE LOTS. ALL STORMWATER DEVICES SHALL BE PRIVATE. ALL STORMWATER DEVICES SHALL BE LOCATED WITHIN THE PRIVATE LOTS, AND OWNED AND MAINTAINED BY THE

33. SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE. 34. 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 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.

ENVIRONMENTAL SITE DESIGN NARRATIVE:

IN ACCORDANCE WITH THE DEVELOPMENT ENGINEERING DIVISION ECP CHECKLIST ITEM III.K. 1. THE NATURAL AREAS ON THE SNODGRASS PROJECT SITE ARE LOCATED TOWARD THE PROJECT BOUNDARIES. NO DISTURBANCE TO THE STREAM AND STREAM BUFFER, WETLAND AND WETLAND BUFFER OR THEIR WOODED RESOURCES IS PROPOSED UNLESS SHOWN HEREON.

2. NO DRAMATIC DISTURBANCE TO THE NATURAL DRAINAGE PATTERNS ARE PROPOSED.

3. THE CONCEPTUAL REDUCTION IN IMPERVIOUS AREA THROUGH BETTER SITE DESIGN IS ACHIEVED THROUGH THE ENVIRONMENTAL SITE DESIGN (ESD) FOR THE PROJECT. THE ESD CONCEPT INCLUDES THE USE OF MICRO-SCALE PRACTICES TO INCLUDE RAIN GARDEN FACILITIES AND DRY WELLS.

4. SEDIMENT CONTROL FOR THIS SPECIFIC SITE PLAN WILL BE PROVIDED THROUGH THE USE A PROPOSED EARTH DIKES, AND SILT FENCE PERIMETER CONTROLS AND STONE OUTLET STRUCURES. SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH CURRENT REQUIREMENTS AND SHALL BE APPROVED BY THE HOWARD SOIL

5. STORMWATER MANAGEMENT FOR THE PROJECT HAS BEEN CONCEPTUALLY MET THROUGH THE USE OF 4-RAIN GARDEN FACILITIES, 1-DRY WELL FACILITY. THE RESULTS OF THE ENVIRONMENTAL SITE DESIGN FOR THIS PROJECT WILL REFLECT "WOODS IN GOOD CONDITION".

TARGET PE = 1.00" TARGET ESDv = 715 CUFT PROVIDED PE = 1.0" PROVIDED = 924+/- CUFT

6. AT THIS CONCEPT STAGE OF DEVELOPMENT, NO WAIVER PETITIONS FOR THE STORMWATER MANAGEMENT DESIGN ARE REQUIRED.

STORMWATER MANAGEMENT INFORMATION CHART							
LOT/PARCEL #	STREET ADRESS	FACILITY NAME & NUMBER	PRACTICE TYPE (QUANTITY)	PUBLIC	PRIVATE	MAINTENANCE RESPONSIBILITY	
LOT 1	5780 LANDING ROAD	MBR #1A	M-7 RAIN GARDEN		Х	Owner	
LOT 1	5780 LANDING ROAD	MBR-1B	M-7 RAIN GARDEN		Χ	Owner	
LOT 1	5780 LANDING ROAD	MBR-1C	M-5 DRY WELL		Χ	Owner	
LOT 2	5774 LANDING ROAD	MBR-2A	M-7 RAIN GARDEN		Χ	Owner	
LOT 2	5774 LANDING ROAD	MBR-2B	M-7 RAIN GARDEN		Χ	Owner	

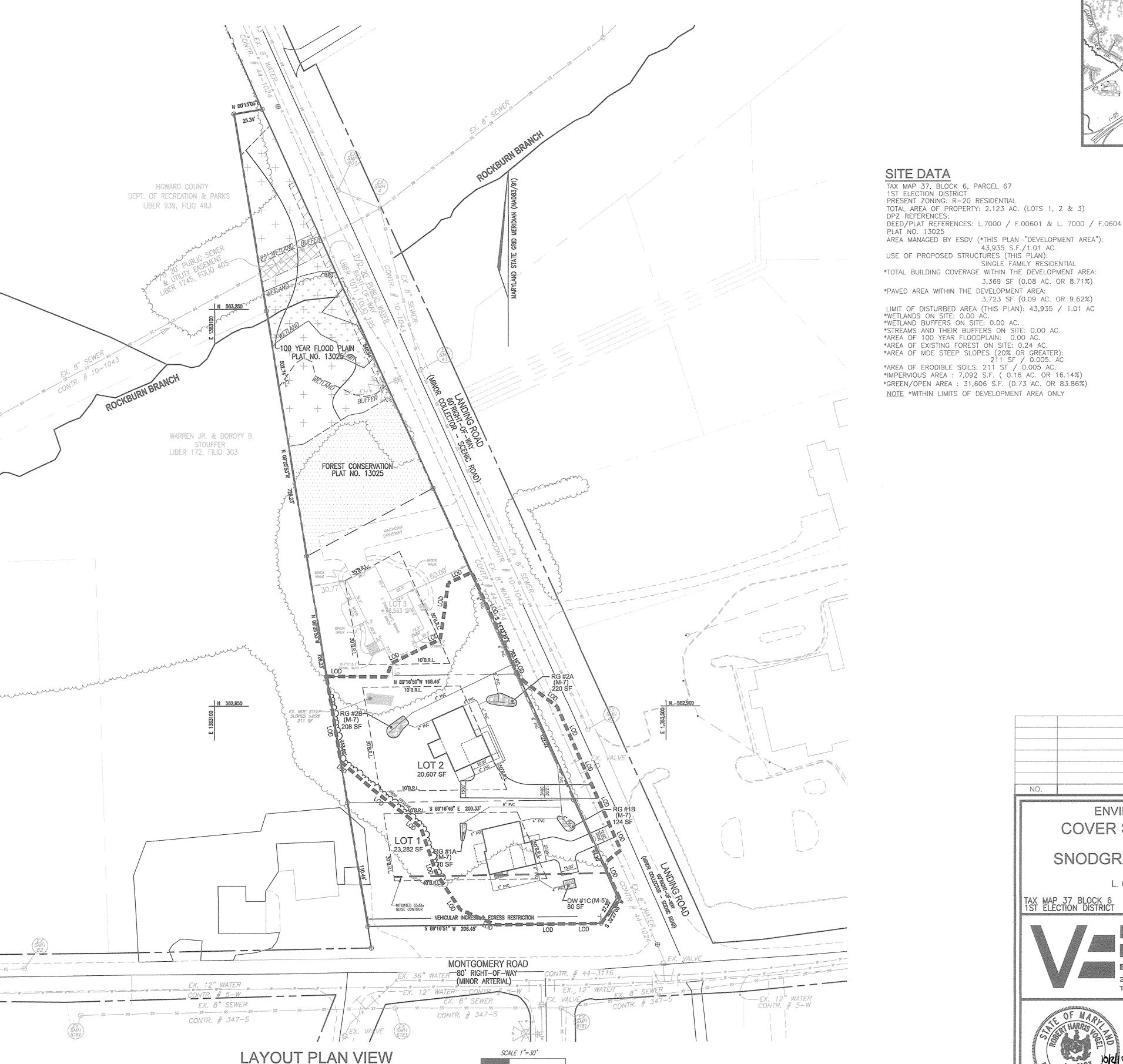
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

10 = 17.18 DEVELOPMENT ENGINEERING DIVISION NY

DIVISION OF LAND DEVELOPMENTYS

ENVIRONMENTAL CONCEPT PLAN SNODGRASS PROPERTY LOTS 1 AND 2

L.0700 / F.00601 AND L.0700 / F.00604



BENCHMARKS

HOWARD COUNTY BENCHMARK 37CA N 564,321.637 E 1,382,742.900 ELEV.: 256.893 HOWARD COUNTY BENCHMARK 37CB

N 562,930.787 E 1,384,957.348 ELEV.: 257.145'

SHEET INDEX DESCRIPTION SHEET NO. OVER SHEET AND LAYOUT PLAN RADING, EROSION AND SEDIMENT CONTROL PLAN. 2 OF 2

TAX MAP 37, BLOCK 6, PARCEL 67

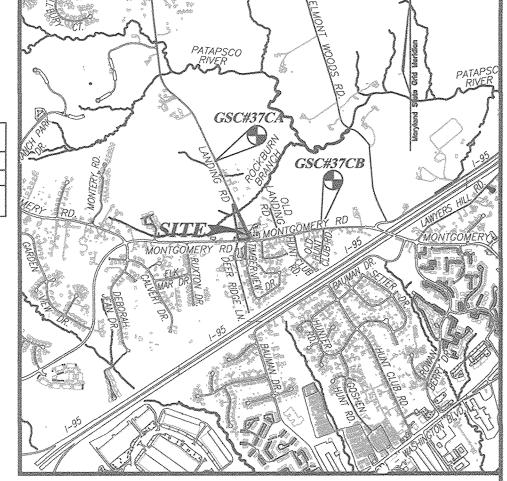
43,935 S.F./1.01 AC.

SINGLE FAMILY RESIDENTIAL

3,369 SF (0.08 AC. OR 8.71%)

3,723 SF (0.09 AC. OR 9.62%)

SDV DRAINAGE AREA MAP AND DETAILS



SCALE: 1"=2000' ADC MAP COORDINATES: MAP 35, GRID B-1

LEGEND

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406	PROPOSED CONTOUR
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<u>Q</u>	PROPOSED CURB AND GUTTER EXISTING UTILITY POLE
**	EXISTING LIGHT POLE
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	EXISTING SIGN
(\$)	EXISTING SANITARY MANHOLE
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0.00	EXISTING CLEANOUT
No.	EXISTING FIRE HYDRANT
	EXISTING WATER LINE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	EXISTING TREELINE
. And the contraction of the con	PROPOSED TREELINE
LOD LOD	LIMIT OF DISTURBANCE
	EX. WETLAND

--- WETLAND BUFFER

OWNER/DEVELOPER MAIN STREET BUILDERS

C/O JOSEPH SNODGRASS 705 LANDING ROAD ELKRIDGE, MARYLAND 21075 (410) 796-2003

REVISION **ENVIRONMENTAL CONCEPT PLAN**

COVER SHEET AND LAYOUT PLAN

SNODGRASS PROPERTY LOTS 1 & 2 5774 & 5780 LANDING ROAD L. 07000/F. 00601 & L. 07000/F.00604

AX MAP 37 BLOCK 6 ST ELECTION DISTRIC

ENGINEERING, INC. ENGINEERS · SURVEYORS · PLANNERS

3300 N. RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043 TEL: 410.461.7666 FAX: 410.461.8961



CHECKED BY:

HOWARD COUNTY, MARYLAND

