GENERAL NOTES ALL ASPECTS OF THE PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN 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. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK. THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING 1-800-252-1133 BGE (CONSTRUCTION SERVICES) 410-637-8713 BGE (EMERGENCY) BUREAU OF UTILITIES 410-795-1390 COLONIAL PIPELINE CO 1-800-257-7777 MISS UTILITY STATE HIGHWAY ADMINISTRATION 410-531-5533 1-800-743-0033 PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE EXISTING WELLS AND SEPTIC SYSTEMS WILL BE PROPERLY ABANDONED IN ACCORDANCE WITH HEALTH DEPARTMENT REGULATIONS. THE TOPOGRAPHY SHOWN HEREON IS BASED ON AN AERIAL TOPOGRAPHIC SURVEY PREPARED BY POTOMAC AERIAL SURVEYS, DATEI 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. 3111 AND 37CA WERE USED FOR THIS PROJECT. N 565,004,699 E 1,381,586,920 37CA N 564,321.638 E 1.382.742.840 THIS PLAN IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC. NOVEMBER 2008. THE SUBJECT PROPERTY IS ZONED R-ED PER THE 02/02/2004 COMPREHENSIVE ZONING PLAN, AND THE COMPREHENSIVE LITE ZONING IN ACCORDANCE WITH THE APPROVED SIMPLIFIED ECP FOR THIS RESUBDIVISION, THE STORMWATER PROPOSAL FOR LOTS 45 - 49 INCLUDES THE USE OF ALTERNATIVE SURFACE - PERMEABLE SURFACE DRIVEWAYS AND A MICROSCALE PRACTICE - DRYWELLS IN ACCORDANCE WITH THE 2007 STORMWATER DESIGN MANUAL. - AS APPROVED UNDER F 09-122 STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH THE 2000 STORMWATER DESIGN MANUAL. THIS PROJECT MEETS THE CRITERIA OUTLINED IN THE MDE GUIDELINES TO GRANT AN ADMINISTRATIVE WAIVER. F09-122 RECEIVED PRELIMINARY APPROVAL SP06-15 ON 10/6/2006. A GRADING PERMIT SHALL BE APPROVED PRIOR TO MAY 4, 2013. THIS PLAN IS SUBJECT TO THE EXPIRATION OF THIS WAIVER UNLESS ALL STORMWATER PRACTICES ARE CONSTRUCTED BY MAY 14, 2017 STORMWATER MANAGEMENT IS PROVIDED BY TWO MICROPOOL PONDS (P-5), BIO-RETENTION, RAINGARDENS AND DRYWELLS. THE PONDS ARE OWNED BY THE HOA AND JOINTLY MAINTAINED WITH THE COUNTY THE BIO-RETENTION FACILITY (F-6) IS OWNED AND MAINTAINED BY THE HOA. THE RAINGARDENS AND DRYWELLS ARE PRIVATELY OWNED AND MAINTAINED. THE REQUIRED GEOTECHNICAL REPORT WAS APPROVED UNDER SP06-15 AND F09-122 3. EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION 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 14. ANY **DA**MAGE TO THE COUNTY'S RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. SHC ELEVATIONS ARE LOCATED AT THE PROPERTY LINE. DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD DETAIL R-6.01 OR R-6.03. THERE IS AN EXISTING DWELLING LOCATED ON LOT 2 TO BE REMOVED AND PREVIOUSLY ON LOT 39 WHICH WAS REMOVED UNDER 18. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS: A) WIDTH - 12 FEET (16 FEET IF SERVING MORE THAN ONE RESIDENCE) B) SURFACE - 6" OF COMPACTED CRUSHER RUN BASE W/TAR AND CHIP COATING (1-1/2" MIN.) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE, AND MINIMUM 45 FOOT STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING) E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD EVENTS WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY LINE AND NOT TO THE PIPESTEM LOT DRIVEWAY. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100 YEAR FLOODPLAIN. THERE ARE NO WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS OR 100 YEAR FLOODPLAIN THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. WATER AND SEWER SERVICE TO THESE LOTS WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 18.122.B OF THE HOWARD COUNTY SEWER WILL BE PROVIDED THROUGH CONTRACT NO. 14-4412-D. UNDER F09-122 AND F13-055, FOREST CONSERVATION EASEMENTS HAVE BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF HOWARD COUNTY FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE THE FOREST CONSERVATION OBLIGATIONS FOR THIS PROJECT WERE PROVIDED UNDER F-09-122 AND F13-055. THE FOREST CONSERVATION OBLIGATIONS FOR THIS PROJECT HAS BEEN FULFILLED IN ACCORDANCE WITH SECTION 16.1202 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL BY THE RETENTION OF 1.00 ACRE OF EXISTING FOREST AND BY THE PLANTING OF 1.80 ACRES OF REFORESTATION AND 0.78 ACRES OF AFFORESTATION WHICH WAS SUFFICIENT TO MEET REQUIRED OBLIGATIONS. REFER TO PLATS 21469-21472. SURETY HAS BEEN POSTED WITH THE DEVELOPERS AGREEMENT FOR F-09-122. - THE FOREST CONSERVATION OBLIGATIONS FOR THIS PROJECT HAS BEEN FULFILLED IN ACCORDANCE WITH SECTION 16.1202 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL BY - 1.00 ACRE OF EXISTING FOREST RETENTION [PLAT 21470, 0.45{SHEET 2} + PLAT 21472, 0.27{SHEET 4} + PLAT 21472, 0.28{SHEET 4}] - 1.99 ACRES OF REFORESTATION (+ 0.19 AC., F13-055) - 0.66 ACRES OF AFFORESTATION (- 0.12 AC., F13-055) - 3.65 ACRES TOTAL FOREST CONSERVATION EASEMENT PROVIDED (NET INCREASE 0.07 AC) LOT 2 - L. 7947 - F. 237 28. DEED REFERENCE: LOT 39 - L. 13156 - F. 1 29. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL/CEMETERY LOCATIONS ON THIS SITE. THERE IS A 100-YEAR FLOODPLAIN LOCATED ON THIS SITE, SHOWN ON SP 06-15 AND F 09-122. AS COMPLETED UNDER SP06-15, F09-122 THE REQUIRED FOREST STAND DELINEATION PLAN PREPARED BY JOHN CANOLES, ECO-SCIENCE PROFESSIONALS, DATED DECEMBER 2005.

AS COMPLETED UNDER SP06-15, F09-122 THE STREAMS AND/OR WETLANDS SHOWN HEREON WERE DELINEATED BY JOHN CANOLES, ECO-SCIENCE PROFESSIONALS, INC., DATED DECEMBER 2005. AS APPROVED UNDER SP 06-15; HOWARD COUNTY POLICY DID NOT REQUIRE A TRAFFIC STUDY. NO APFO INTERSECTION WAS WITHIN THE REQUIREMENTS THAT WOULD WARRANT A STUDY.

STORMWATER MANAGEMENT AND PERIMETER LANDSCAPING HAS BEEN PROVIDED IN ACCORDANCE WITH F09-122. SURETY WAS POSTED WITH THE DEVELOPER'S AGREEMENT FOR THE F09-122. PUBLIC STREET TREES ARE PROVIDED FOR THIS PROJECT IN ACCORDANCE WITH F09-122. FINANCIAL SURETY HAS BEEN POSTED AS PART

FO9-122 AND F13-55 OPEN SPACE LOTS 4, 43, AND 44 TO BE OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION. AS APPROVED UNDER SP 06-15, A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT. THE HOMEOWNERS ASSOCIATION DOCUMENTS HAVE BEEN RECORDED WITH THE MARYLAND STATE DEPARTMENT OF ASSESSMENTS AND TAXATION AS RECORDING REFERENCE NUMBER D13445358 ON FEBRUARY 26, 2010. HOMEOWNERS ASSOCIATION COVENANTS AND RESTRICTIONS WERE RECORDED SIMULTANEOUSLY WITH F 09-122 AS LIBER 13065 FOLIO 9 ON DECEMBER 9. 2010.

REFERENCE WAIVER WP-07-100, APPROVED 3/26/07, GRANTING AN EXTENSION TO SUBMIT THE PRELIMINARY EQUIVALENT SKETCH PLANS FOR SIGNATURE. 40. IN ACCORDANCE WITH APPROVED SP-06-15, A DESIGN MANUAL WAIVER APPROVED OCTOBER 29, 2009, TO ALLOW A 40' PUBLIC ROAD

THE PLANNING BOARD ON FEBRUARY 16, 2012 REVIEWED AND APPROVED SDP-12-034 FOR LOT 1. IT WAS DETERMINED THAT NO FURTHER PLANNING BOARD MEETINGS WERE REQUIRED FOR FUTURE SITE DEVELOPMENT PLANS.

USE IN COMMON MAINTENANCE AGREEMENTS FOR LOTS 24-29 HAVE BEEN RECORDED IN THE LAND RECORDS OF HOWARD COUNTY. MD AS LIBER 14123 FOLIO 419 ON JULY 6, 2012. 43. STREET SIDE LANDSCAPING FOR LOTS 45 SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE LANDSCAPE MANUAL, As Shown On SOP-12-024. SURETY SHALL BE PROVIDED WITH THE GRADING PERMIT FOR THE SITE DEVELOPMENT PLAN FOR LOT 45.

44. STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURES AND POLES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME III (2006), SECTION 5.5.A. PLEASE REFER TO APPROVED PLAN F-09-122. 45. PLEASE REFER TO F-09-122, ALL SIGNS ARE INSTALLED UNDER F-09-122.

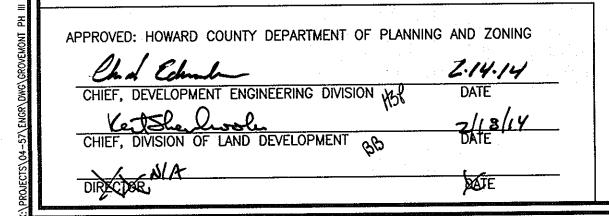
46. A PRE-SUBMISSION MEETING WAS HELD WITH DEPARTMENT OF PLANNING AND ZONING ON JANUARY 9, 2013 AND THE ATTENDEES WERE MARSHA MCLAUGHLIN DPZ-DIRECTOR, KENT SHEUBROOKS DLD DIVISION CHIEF, CHARLES DAMMERS DED DIVISION CHIEF, CHAD EDMONDSON DED. THE DEVELOPER AND THE ENGINEER.

47. IN ACCORDANCE WITH THE R-ED ZONE, THE MINIMUM LOT SIZE ALLOWED FOR THIS SUBDIVISION IS 6,000 SQ.FT.

- THE MINIMUM LOT SIZE CREATED IS 6,549 SQ.FT. (LOT 34) 48. THIS PROJECT IS SUBJECT TO PB CASE 400; THE PLANNING BOARD SIGNED THE DECISION AND ORDER ON OCTOBER 17, 2013 APPROVING THE PRELIMINARY EQUIVALENT SKETCH PLAN (SP13-011) FOR THE RESUBDIVISION OF EXISTING LOT 2 AND 39 INTO FIVE BUILDING LOTS ON 1.06 ACRES OF LAND ZONED R-ED.

THE DEVELOPERS PROPOSAL FOR LOTS 45-49 IS BEING DEVELOPED AS A RECEIVING PARCEL UNDER THE NEIGHBORHOOD PRESERVATION DENSITY EXCHANGE OPTION AT A 10% BONUS DENSITY IN ACCORDANCE WITH SECTION 107.O.H.2 OF THE ZONING REGULATIONS AND RECEIVING DENSITY UNITS PER SECTION 128.0.K OF THE ZONING REGULATIONS.

USING THE NEIGHBORHOOD PRESERVATION DENSITY EXCHANGE OPTION DESCRIBED IN SECTION 128.L. OF THE ZONING REGULATIONS, THE DEVELOPMENT RIGHTS FOR 3 OF THE RESIDENTIAL LOTS SHOWN HEREON HAVE BEEN TRANSFERRED FROM STONE MANOR - SECTION ONE LOT 27; TAX MAP 31, PARCEL NO. 3. SEE TABULATION / EXCHANGE.



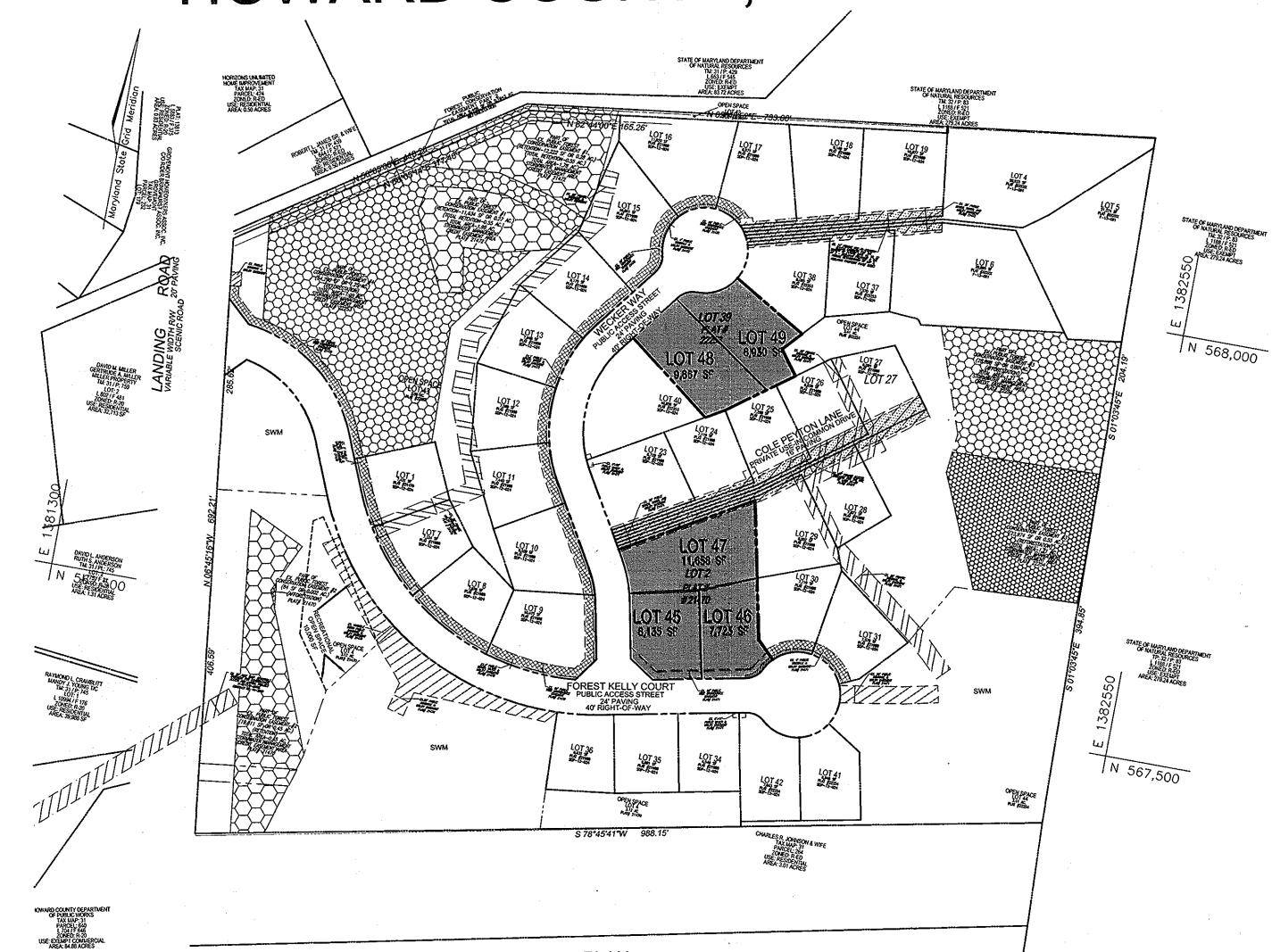
OF THE DEVELOPER'S AGREEMENT FOR F09-122.

1. ALL WATER CONNECTIONS SHALL BE 1-1/2" WITH 1" OUTSIDE METER SETTINGS, UNLESS OTHERWISE NOTED. REFER TO HOWARD COUNTY DETAILS W-3.28 OUTSIDE METER SETTINGS.

SUPPLEMENTAL INFORMATION PLAN GROVEMONT OVERLOOK

PHASE 2 - LOTS 45 - 49

HOWARD COUNTY, MARYLAND



DENSITY EXCHANGE TABULATION

TOTAL PARCEL ACREAGE

NET ACREAGE OF SUBDIVISION MAXIMUM DENSITY

PROPOSED DENSITY UNITS

NUMBER OF BONUS
UNITS REQUIRED
ALLOWED BY
JEIGHBORHOOD PRESERVATION

DENSITY EXCHANGE OPTION

SECTION 107.0.H.2 OF THE ZONING REGULATIONS AND SECTION 128.0.K OF THE ZONING REGULATIONS

17.9588 AC (- 100 YR FLOODPLAIN = 0.12 AC - STEEP SLOPES = 0.98 AC) = 16.86 ACRES

16.86 ACRES \times 2 = 33 UNITS

 $33 \times 10\% = 3.3$

3 UNITS REQUIRED

3 DEO UNITS FROM STONE MANOR - SECTION ONE - LOT 27

PROJECT

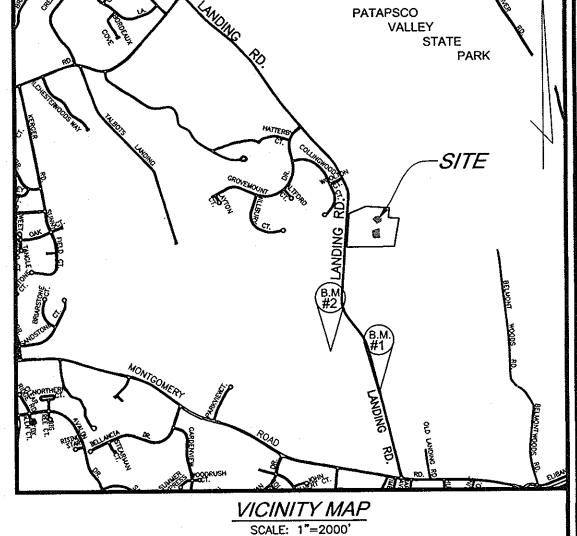
PHASE 1

PHASE 2

PHASE 2

PHASE 3

BENCHMARKS ELEVATION NORTHING EASTING 1,382,742.840 257.684 564.321.638 1,381,586.92 565,004.699



	SHEET INDEX	
SHEET NO.	DESCRIPTION	
1	COVER SHEET	
2	LAYOUT PLAN	╛
3	GRADING & SOIL EROSION AND SEDIMENT CONTROL PLAN	
4	STORMWATER MANAGEMENT AND LANDSCAPE PLAN NOTES AND DETAILS	

SITE DATA

LOCATION: TAX MAP 31, GRID 24 & 23, PARCELS 619 & 749 1ST ELECTION DISTRICT

GROSS AREA OF PROJECT: 1.0632 AC (PART OF ORIGINAL 17.9588 AC) AREA OF 100-YEAR FLOODPLAIN DRAINAGE & UTILITY EASEMENT: 0.0000 AC

AREA OF STEEP SLOPES: 0.0000 AC AREA OF WETLANDS AND BUFFERS: 0.0000 AC AREA OF FOREST: 0.0000 AC NET AREA OF PROJECT: 1.0632 AC

AREA OF OPEN SPACE REQUIRED: $50\% \times 17.9588 \text{ AC} = 8.9794 \text{ AC} (F13-055)$

AREA OF OPEN SPACE PROVIDED: 9.0862 AC (F13-055)

AREA OF RECREATIONAL OPEN SPACE REQUIRED: 300 SF X 36 LOTS = 10,800 SF RECREATIONAL AMENITIES ARE TWO (2) PICINIC TABLES WITH BENCHES OR EQUAL FOR A 1,000 SF CREDIT TO BE LOCATED

ON OPEN SPACE LOT 4, WHICH WILL ACCOUNT FOR THE REQUIRED 800 SF SHORTAGE OF THE DUE TO THE ADDITIONAL AREA OF RIGHT-OF-WAY: 1.6520 AC (F 09-122) NUMBER OF LOTS/PARCELS ALLOWED (2 PER NET ACRE): 33 BUILDABLE LOTS (16.8588 AC. X 2 = 33.7)

NUMBER OF LOTS/PARCELS PROPOSED: 33 BUILDABLE LOTS (F09-122, F12-064, F13-055)
NUMBER OF LOTS/PARCELS PROPOSED THIS PLAN: 5 BUILDABLE LOTS (5 - 2 EXISTING= 3 PROPOSED) TOTAL NUMBER OF LOTS/PARCELS PROPOSED: 36 BUILDABLE LOTS TOTAL APPROXIMATE LIMIT OF DISTURBANCE: 1.5 AC+/-*
* ONLOT (1.1 AC+/-) AND RIGHT-OF-WAY WORK FOR SERVICE CONNECTIONS

PROPOSED WATER SYSTEM: PUBLIC PROPOSED SEWER SYSTEM: PUBLIC

PROPOSED USES FOR SITE AND STRUCTURES: RESIDENTIAL SINGLE FAMILY DETACHED (SFD)

JERICHO LLC 5331 LANDING ROAD ELKRIDGE, MD 21075 ATTN: MR. GARY CALTON 443-367-0422

OWNER - LOT 39 JERICHO LLC ELLICOTT CITY LAND HOLDING, INC. 5300 DORSEY HALL DRIVE, SUITE 102 ELLICOTT CITY, MD 21042-7819 ATTN: MR. DON REUWER

443-367-0422

OWNER - LOT 2

DEVELOPER LAND DESIGN & DEVELOPMENT, INC 5300 DORSEY HALL DRIVE SUITE 102 ELLICOTT CITY, MD 21042 ATTN: MR. DON REUWER (443) 367-0422

SUPPLEMENTAL INFORMATION PLAN

GROVEMONT OVERLOOK

PHASE 2 - LOTS 45 - 49

A RESUBDIVISION OF PHASE 1 - LOT 2 AND PHASE 2 - LOT 39

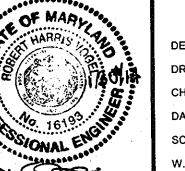
AX MAP 31 BLOCK 24

HOWARD COUNTY, MARYLAND ST ELECTION DISTRICT



ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS . SURVEYORS . PLANNERS

8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



OBERT H. VOGEL, PE No.1619

ESIGN BY:	EDS
RAWN BY:	EDS
HECKED BY:	RHV
ATE:	JANUARY 2014
CALE:	1" = 50'
.O. NO.:	04-57

PROFESSIONAL CERTIFICATE I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193 EXPIRATION DATE: 09-27-2014

THE OPEN SPACE REQUIREMENTS FOR THIS R-ED PROJECT IS 50% OF GROSS AREA

PHASE 1 F09-122 (17.8523 AC. GROSS AREA \times 50% = 8.9262 AC.). CREDITED OPEN SPACE (F 09-122) = 9.0361 AC.

 $(17.8523 \text{ AC. GROSS AREA} \times 50\% = 8.9262 \text{ AC.}).$ PHASE 2 F12-064 CREDITED OPEN SPACE PROVIDED UNDER F 09-122 = 9.0361 AC. (17.9588 AC. GROSS AREA \times 50% = 8.9794 AC.). OPEN SPACE PROVIDED IS 9.0862 ACRES. PHASE 2 F13-055

GROSS OPEN SPACE F 13-055 = 9.0862 AC. NON-CREDITED OPEN SPACE F 13-055 = 0.0825 AC. CREDITED OPEN SPACE F 13-055 = 9.0010 AC.

OPEN SPACE TABULATION:

IN ACCORDANCE WITH SECTION 16.121(A)(2) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS

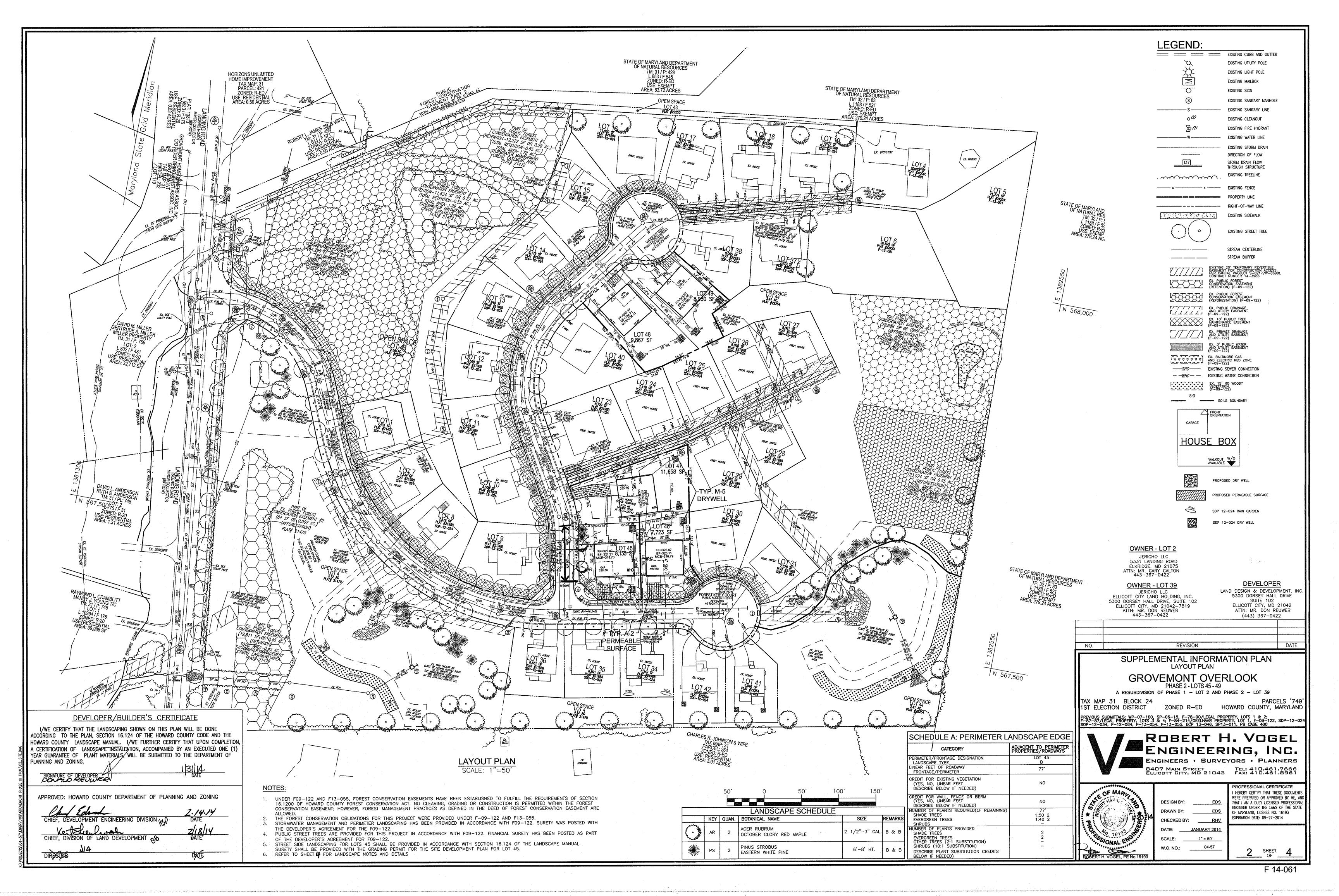
PHASE 2

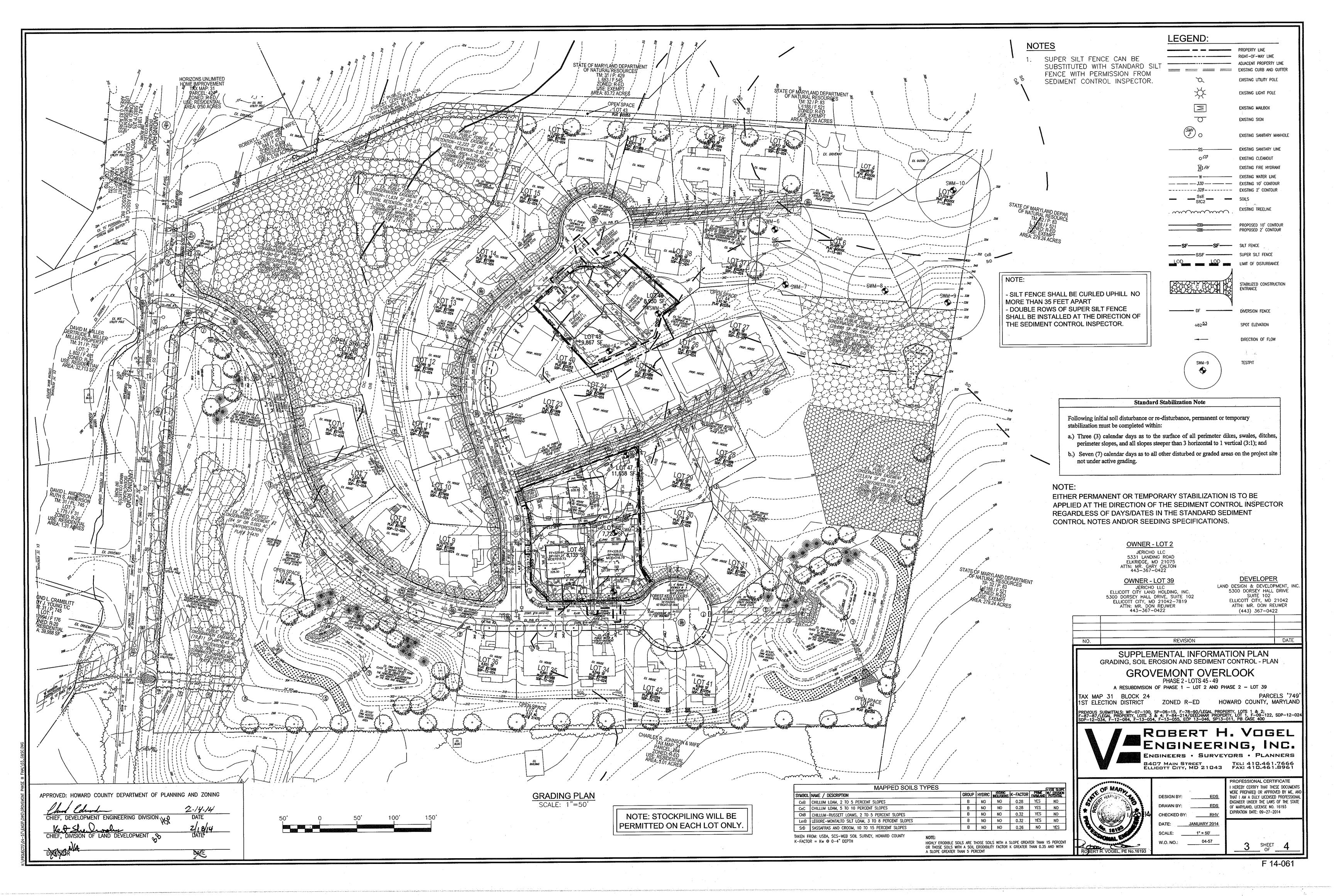
(17.9588 AC. GROSS AREA x 50% = 8.9794 AC.).

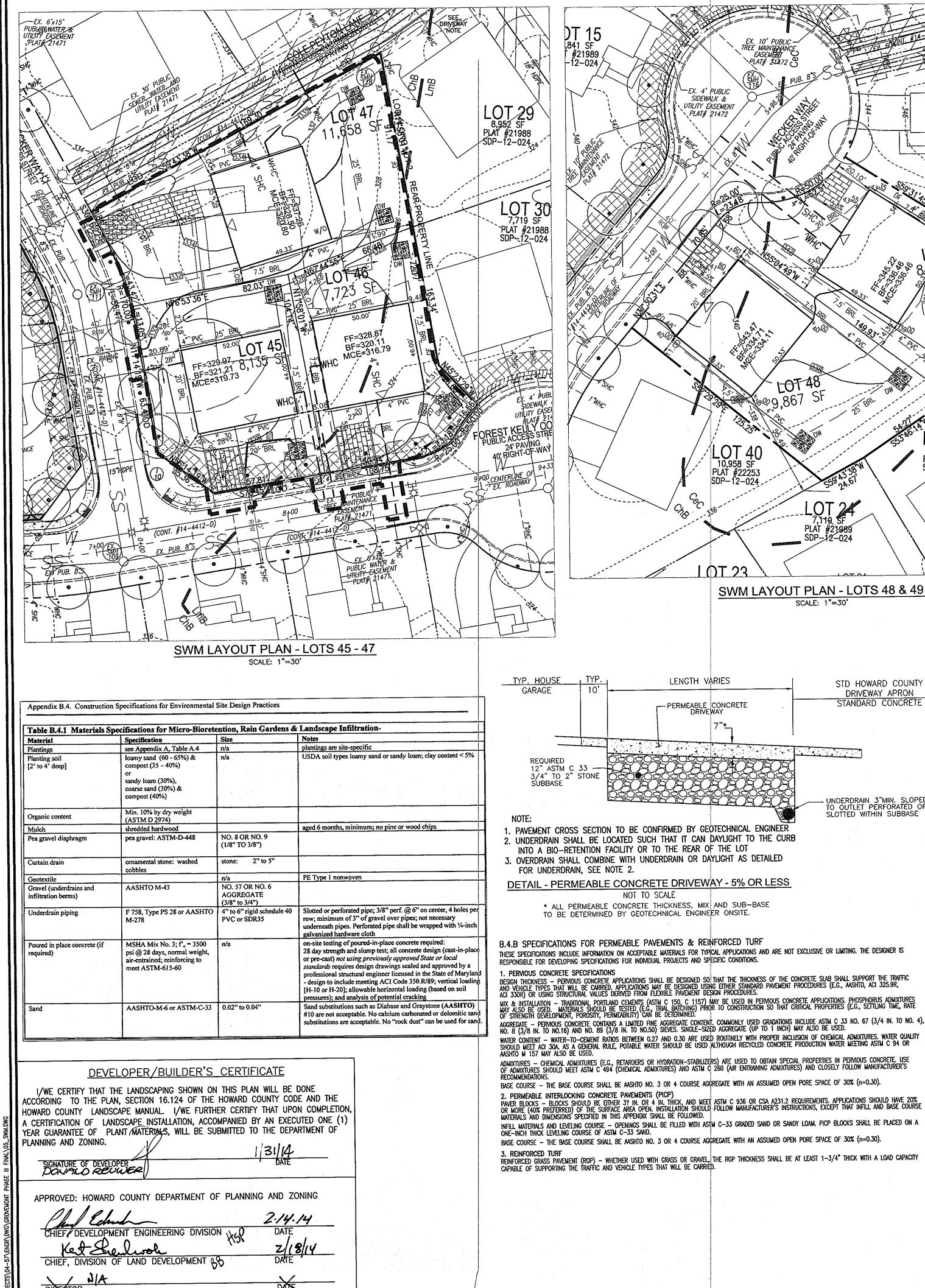
OPEN SPACE PROVIDED UNDER F 13-055 = 9.0862 AC.

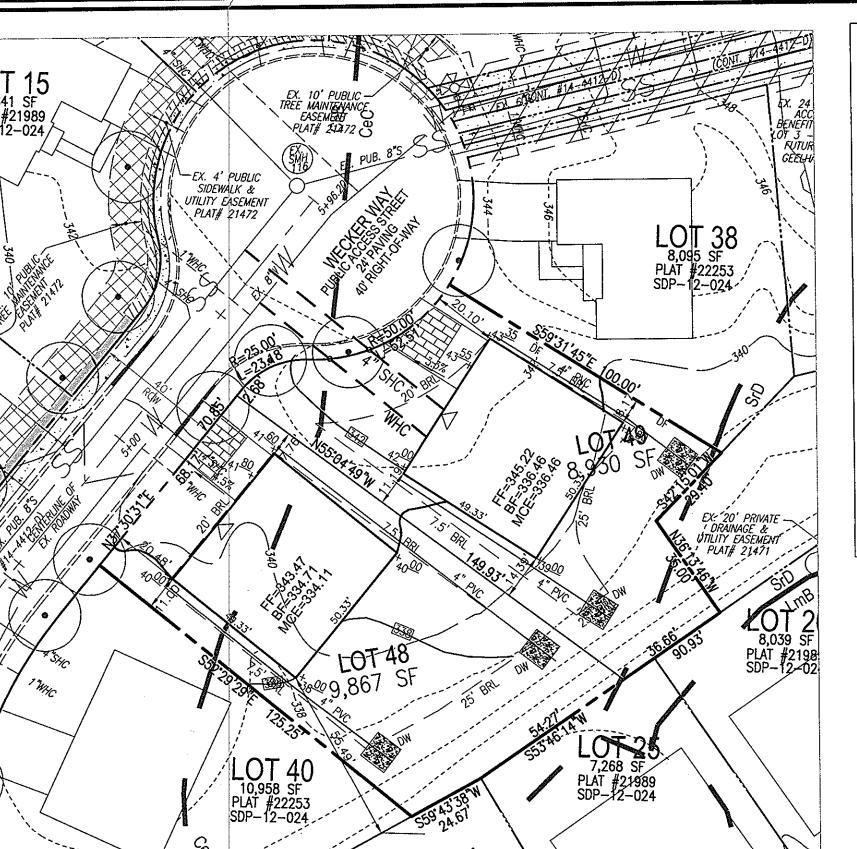
*	!		OPEN SPACE	- PROVIDED	1			
	F-09-122 PHA	SE 1 (PLAT 214		CREDI	TED 9.0362	AC NON-CREDITED 0	.0000 AC TOTA	L 9.0362 AC
		SE 2 (PLAT 219		CREDI		AC NON-CREDITED O		L 0.0000 AC
			PLAT 22252 - 22	254) CREDI	TED 9.0010	AC NON-CREDITED O	.0852 AC TOTA	L 9.0862 AC
		UB PHASE 2 -		CREDI		AC NON-CREDITED O		L 9.0862 AC
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				O.T. (T.	D. II A T	101	i	
	GROVEMONT	OVERLO	OOK - DEN	ISHY IA	ROLAI	ION	·	
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	TOTAL SUBDIVISION	,		1	UNITS	UNITS	TOTAL UNITS	
-	AREA (GROSS AREA)	FLOODPLAIN	STEEP SLOPES	NET AREA	PERMITTED BY NET	PROPOSED	REMAINING	
' [ANDA (GNOSS ANDA)				(NETx2)		i	
			ļ <u></u>					
- F09-122	17.8523 ACRES	0.11 ACRES	0.98 ACRES	16.76 AC.	33	3 (1 PROP, 2 EX)	30	
- F12-064	17.8523 ACRES	0.11 ACRES	0.98 ACRES	16.76 AC.	33	3 F09-122 + 30	0	
- F12-004	17.0020 ACKES							
- F13-055	17.9588 ACRES	0.12 ACRES	0.98 ACRES	16.86 AC.	33	3 F09-122 30 F12-064	0	
- F14-061	17.9588 ACRES	0.12 ACRES	0.98 ACRES	16.86 AC.	33	3 *	0	
			· · · · · · · · · · · · · · · · · · ·		†		i i	
		1	1	i	l .	1	1	

* LOTS 45 - 49 = 5 UNITS [2 EXISTING UNITS (F09-122) RAZED = 3 PROPOSED UNITS] DENSITY FOR THE 3 PROPOSED UNITS SHALL BE TRANSFERED FROM STONE MANOR - SECTION ONE - LOT 27 COUNCIL BILL NUMBER 33-2012 (ZRA141)









SWM LAYOUT PLAN - LOTS 48 & 49

A CONTRACTOR OF THE PARTY OF TH

STD HOWARD COUNTY

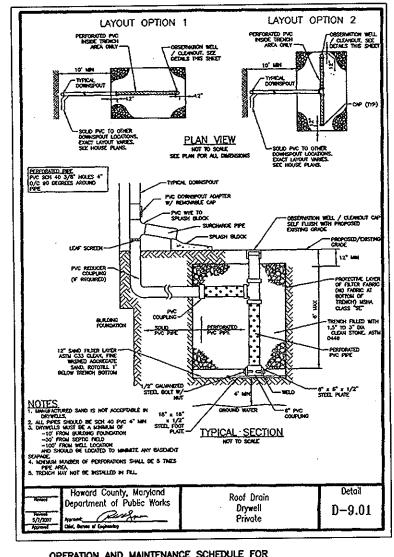
DRIVEWAY APRON

STANDARD CONCRETE

LENGTH VARIES

— PERMEABLE CONCRETE DRIVEWAY

NOT TO SCALE



OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRYWELL (M-5)

THE OWNER SHALL INSPECT & CLEAN ANNUALLY, INCLUDING PIPES GUTTERS DOWNSPOUTS AND FILTERS. B. PONDING STANDING WATER OR ALGAL GROWTH ON THE TOP OF A DRYWELL MAY INDICATE FAILURE DUE TO SEDIMENTATION IN THE GRAVEL MEDIA. IF WATER PONDS FOR MORE THAN 48 HOURS AFTER

A MAJOR STORM OR MORE THAN SIX INCHES OF SEDIMENT HAS

ACCUMULATED, THE GRAVEL MEDIA SHOULD BE EXCAVATED AND

REPLACED.

GENERAL NOTES:

THIS 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 \$ 050 FOR THE REQUIRED & SHADE & SEVERGREEN TREES ON LOT 45
SHALL BE DEFERRED UNTIL SITE DEVELOPMENT PLAN Surely To Be Posted With the Grading
PUBLIC STREET TREES WERE PROVIDED FOR THIS PROJECT IN ACCORDANCE WITH SECTION 16.124(e)(1) OF THE SUBDIVISION REGULATIONS AND THE LANDSCAPE

MANUAL UNDER F-09-122 . THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, PLANT MATERIALS, BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, BEPAIRED OF PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY,

AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS LISTED HEREWITH AND APPROVED FOR THIS SITE SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.

LANDSCAPE NOTES

. THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.

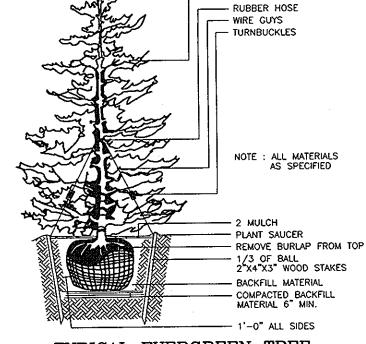
SHOULD ANY TREE DESIGNATED FOR PRESERVATION FOR WHICH LANDSCAPING CREDIT IS GIVEN, DIE PRIOR TO RELEASE OF BONDS, THE OWNER WILL BE REQUIRED TO REPLACE THE TREE WITH THE EQUIVALENT SPECIES OR WITH A TREE WHICH WILL OBTAIN THE SAME HEIGHT, SPREAD, AND GROWTH CHARACTERISTICS. THE REPLACEMENT TREE MUST BE A MINIMUM OF 3 INCHES IN CALIPER AND INSTALLED AS REQUIRED IN THE HOWARD COUNTY LANDSCAPE MANUAL.

PLANTINGS SHOWN HEREON ARE THE RESPONSIBILITY OF THE BUILDER TO INSTALL DURING THE CONSTRICTION OF THE HOME ON LOT 45

LANDSCAPE SCHEDULE NOTE:

1. ALL PLANT MATERIALS SHALL BE FULL AND HEAVY, BE WELL FORMED AND SYMMETRICAL, CONFORM TO THE MOST CURRENT AAN SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE WITH HRD PLANTING SPECIFICATIONS. 2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING. 3. FINAL LOCATION OF PLANT MATERIAL MAY NEED TO VARY TO MEET FINAL FIELD CONDITIONS. TREES SHALL NOT BE PLANTED IN THE BOTTOM OF DRAINAGE SWALES. 4. CONTRACTOR SHALL VERIFY PLANT QUANTITIES PRIOR TO BIDDING. IF PLAN DIFFERS FROM LANDSCAPE SCHEDULE, THE PLAN SHALL GOVERN.

SEE "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE—WASHINGTON METROPOUTAN AREAS" FOR ALL MATERIAL, PRODUCT, AND PROCEDURE SPECIFICATIONS. 2 STRANDS OF GALVANIZED WIRE TWISTED FOR SUPPORT PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS. ----RUBBER HOSE CUT BURLAP & ROPE FROM TOP OF BALL 4. KEEP MULCH 1" FROM TRUNK ___3" DEPTH MULCH SEE ARCHITECTURAL PLANS
FOR ADDITIONAL PLANTINGS
WHICH EXCEED HOWARD COUNTY
MINIMUM REQUIREMENTS. __2" EARTH SAUCER FINISH GRADE -1/8 DEPTH OF BALL TREE PLANTING AND STAKING - PRUNE AS DIRECTED



TYPICAL EVERGREEN TREE PLANTING DETAIL

CONSTRUCTION CRITERIA:

THE FOLLOWING ITEMS SHOULD BE ADDRESSED DURING CONSTRUCTION OF PROJECTS WITH PERMEABLE PAVEMENT: EROSION AND SEDIMENT CONTROL: FINAL GRADING FOR INSTALLATION SHOULD NOT TAKE PLACE UNTIL THE SURROUNDING SITE IS STABILIZED. IF THIS CANNOT BE ACCOMPLISHED, RUNOFF FROM DISTURBED AREAS SHALL BE DIVERTED AROUND PROPOSED PAVEMENT LOCATIONS. SOIL COMPACTION:

SUB SOILS SHALL NOT BE COMPACTED. CONSTRUCTION SHOULD BE PERFORMED WITH LIGHTWEIGHT, WIDE TRACKED EQUIPMENT TO MINIMIZE COMPACTION. EXCAVATED MATERIALS SHOULD BE

DISTRIBUTION SYSTEMS: OVERDRAIN, UNDERDRAIN, AND DISTRIBUTION PIPES SHALL BE CHECKED TO ENSURE THAT BOTH THE MATERIAL AND PERFORATIONS MEET SPECIFICATIONS (SEE APPENDIX B. 4). THE UPSTREAM ENDS OF PIPES SHOULD BE CAPPED PRIOR TO INSTALLATION. ALL UNDERDRAIN OR DISTRIBUTION PIPES USED SHOULD BE INSTALLED FLAT ALONG THE BED BOTTOM. SUBBASE INSTALLATION: SUBBASE AGGREGATE SHALL BE CLEAN AND FREE OF FINES. THE SUBBASE SHALL BE PLACED IN LIFTS AND LIGHTLY ROLLED ACCORDING TO THE SPECIFICATIONS (SEE APPENDIX 8.4).

REGULAR INSPECTIONS SHALL BE MADE DURING THE FOLLOWING STAGES OF CONSTRUCTION:

DURING EXCAVATION TO SUB GRADE. DURING EXCAVATION TO SUB GRADE.

DURING PLACEMENT AND BACKFILL OF ANY DRAINAGE OR DISTRIBUTION SYSTEM(S).

DURING PLACEMENT OF THE CRUSHED STONE SUBBASE MATERIAL.

DURING PLACEMENT OF THE SURFACE MATERIAL.

UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION.

THE FOLLOWING PROCEDURES SHOULD BE CONSIDERED ESSENTIAL FOR MAINTAINING PERMEABLE PAVEMENT SYSTEMS: PAVEMENTS SHOULD BE USED ONLY WHERE REGULAR MAINTENANCE CAN BE PERFORMED. MAINTENANCE AGREEMENTS SHOULD CLEARLY SPECIFY HOW TO CONDUCT ROUTINE TASKS TO ENSURE LONG-TERM

PAVEMENT SURFACES SHOULD BE SWEPT AND VACUUMED TO REDUCE SEDIMENT ACCUMULATION AND ENSURE CONTINUED SURFACE POROSITY. SWEEPING SHOULD BE PERFORMED AT LEAST TWICE ANNUALLY WITH A COMMERCIAL CLEANING UNIT. WASHING SYSTEMS AND COMPRESSED AIR UNITS SHOULD NOT BE DRAINAGE PIPES, INLETS, STONE EDGE DRAINS, AND OTHER STRUCTURES WITHIN OR DRAINING TO THE SUBBASE SHOULD BE CLEANED OUT AT REGULAR INTERVALS. TRUCKS AND OTHER HEAVY VEHICLES CAN GRIND DIRT AND GRIT INTO THE POROUS SURFACES, LEADING TO CLOGGING AND PREMATURE FAILURE. THESE VEHICLES SHOULD BE PREVENTED FROM TRACKING AND DEICERS SHOULD BE USED IN MODERATION. WHEN USED, DEICERS SHOULD BE NON-TOXIC AND ORGANIC AND CAN BE APPLIED ETHER AS CALCIUM MAGNESIUM ACETATE OR AS PRETREATED SALT. SNOW PLOWING SHOULD BE DONE CAREFULLY WITH BLADES SET ONE-INCH HIGHER THAN NORMAL. PLOWED SNOW PILES AND SNOW MELT SHOULD NOT BE DIRECTED TO PERMEABLE PAVEMENT.

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED PERMEABLE PAVEMENT (A-2)

- THE OWNER SHALL PERIODICALLY SWEEP (OR VACUUM POROUS CONCRETE PAVEMENT) THE THE OWNER SHALL PERIODICALLI SWEEP (UN VACUUM POROUS CONCRETE PAVEMENT) THE PAVEMENT SURFACES TO REDUCE SEDIMENT ACCUMULATION AND ENSURE CONTINUED SURFACE POROSITY. SWEEPING SHOULD BE PERFORMED AT LEAST TWICE ANNUALLY WITH A COMMERCIAL CLEANING UNIT. WASHING OR COMPRESSED AIR UNITS SHOULD NOT BE USED TO PERFORM SURFACE CLEANING.
- THE OWNER SHALL PERIODICALLY CLEAN DRAINAGE PIPES, INLETS, STONE EDGE DRAINS AND OTHER STRUCTURES WITHIN OR DRAINING TO THE SUBBASE
- THE OWNER SHALL USE DEICERS IN MODERATION. DEICERS SHOULD BE NON-TOXIC AND BE APPLIED EITHER AS CALCIUM MAGNESIUM ACETATE OR AS PRETREATED SALT.
- THE OWNER SHALL ENSURE SNOW PLOWING IS PERFORMED CAREFULLY WITH BLADES SET ONE-INCH ABOVE THE SURFACE. PLOWED SNOW PILES AND SNOW MELT SHOULD NOT BE DIRECTED TO PERMEABLE PAVEMENT.

		PROJECT:		GROVEMO	ONT PHASE	2 LOTS 45-49	3 - SITE D	ATA		-
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		Anna Carlotta	.	ALCOHOL OF TAXABLE AND		* * * * * * * * * * * * * * * * * * * *				
	* *	AT 147 SHOOT			CF	866 C	F for 1"			
		3.12.6337.			· · · · · · · ·					
		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -								
MPERVIOUS AREA *	GRASS AREA	TOTAL AREA	PERCENT IMPERVIOUS	RV	ESDv MIN(1")	ESDv MAX (2.6")	ESOv 1.80	PERCENT OF SITE	ESDv	:
3210	4924	8134	0.39	0.41	275	714	494	0.30		
						: 				
			PERMEABU	E SURFACE			F		1	CF
			DRYWELL	2	9.2	9.2	4	0.3	203	CF
			i De la companya						070	CE DDOV
			·	·					2/8	CF PROV.
3210	4513	7723	0.42	0.42	273	710	491	0.28	 -	
						402.0		0.106	70	CF
			7 7 7		and the second second		•F .4	1		CF
		g	DRYWELL	Z	9.0	5.0		0.3	1	
					1				273	CF PROV
sittaina filik	0050	41CEO	0.21	0.22	310	828	.573	0.42		
3500	8058	11020	0.51	0.33	323	: 020	373			:
10 mm - 10 mm			PERMEARI	E SURFACE	DRIVEWAY	810 5	F	0.196	159	CF
		·		and the second of the second		21 10 10 10 10 10 10 10 10 10 10 10 10 10	4	0.3	161	CF
		* -		- · · · · - · · · · ·	· · · · · · · · · · · · · · · · · · ·	: : :: -				
									320	CF PROV
	<u>-</u>			:	MIN(1")	MAX (2.6")	1.80"			
10020 TO	TAI ARFA	27515	SF		866	2252	1559	1	872	CF PROV
		and the second second			CUFT	CUFT	CUFT			:
:		PROJECT:		GROVEM	ONT PHASE	2 LOTS 45-4	9 - SITE C	ATA		200
		TOTAL ARE	EA (LOD):	0.43	AC NEW D	EVELOPMEN	IT			
		TARGET PE	: :	1.80	IN				1	1
	3210 3210 3210	AREA AREA 3210 4924 3210 4513 3210 8058	TARGET PE IMPERVIO SITE RV: SITE ESDV: MPERVIOUS GRASS TOTAL AREA AREA AREA 3210 4924 8134 3210 4513 7723 3600 8058 11658 PROJECT: TOTAL AREA TOTAL AREA 27515 0.63	TOTAL AREA (LOD): TARGET Pe: IMPERVIOUS: SITE RV: SITE ESDV: MPERVIOUS GRASS TOTAL PERCENT AREA AREA IMPERVIOUS 3210 4924 8134 0.39 PERMEABLE DRYWELL 3210 4513 7723 0.42 PERMEABLE DRYWELL 3600 8058 11658 0.31 PERMEABLE DRYWELL 10020 TOTAL AREA 27515 SF 0.63 AC PROJECT: TOTAL AREA (LOD):	TOTAL AREA (LOD): 0.63 TARGET Pe: 1.80 IMPERVIOUS: 36.51 SITE RV: 0.3786 SITE ESDV: 1558 MPERVIOUS GRASS TOTAL PERCENT RV AREA AREA IMPERVIOUS 3210 4924 8134 0.39 0.41 PERMEABLE SURFACE DRYWELL 2 PROJECT: GROVEMM TOTAL AREA (LOD): 0.43	TOTAL AREA (LOD): 0.63 AC NEW DI TARGET Pe: 1.80 IN IMPERVIOUS: 36.51 PERCENT SITE RV: 0.3786 SITE ESDV: 1558 CF MPERVIOUS GRASS TOTAL PERCENT RV ESDV MIN(1*) 3210 4924 8134 0.39 0.41 275 PERMEABLE SURFACE DRIVEWAY DRYWELL 2 9.2 3210 4513 7723 0.42 0.42 273 PERMEABLE SURFACE DRIVEWAY DRYWELL 2 9.0 3600 8058 11658 0.31 0.33 319 PERMEABLE SURFACE DRIVEWAY DRYWELL 2 8.2 10020 TOTAL AREA 27515 SF 866 0.63 AC CUFT PROJECT: GROVEMONT PHASE TOTAL AREA (LOD): 0.43 AC NEW DI	TOTAL AREA (LOD): 0.63 AC NEW DEVELOPMEN TARGET Pe: 1.80 IN IMPERVIOUS: 36.51 PERCENT SITE RV: 0.3786 SITE ESDV: 1558 CF 866 C MPERVIOUS GRASS TOTAL PERCENT RV ESDV ESDV AREA* AREA AREA IMPERVIOUS MINI(1*) MAX(2.6*) 3210 4924 8134 0.39 0.41 275 714 PERMEABLE SURFACE DRIVEWAY 384 S DRYWELL 2 9.2 9.2 3210 4513 7723 0.42 0.42 273 710 PERMEABLE SURFACE DRIVEWAY 403 S DRYWELL 2 9.0 9.0 3600 8058 11658 0.31 0.33 319 828 PERMEABLE SURFACE DRIVEWAY 810 S DRYWELL 2 8.2 8.2 10020 TOTAL AREA 27515 SF 866 2252 CUFT CUFT PROJECT: GROVEMONT PHASE 2 LOTS 45-4 TOTAL AREA (LOD): 0.43 AC NEW DEVELOPMEN	TOTAL AREA (LOD): 0.63 AC NEW DEVELOPMENT TARGET Pe: 1.80 IN IMPERVIOUS: 36.51 PERCENT SITE RV: 0.3786 SITE ESDV: 1558 CF 866 CF for 1" MPERVIOUS GRASS AREA AREA IMPERVIOUS MIN(1") MAX(2.6") 1.80 PERMEABLE SURFACE DRIVEWAY 384 SF DRYWELL 2 9.2 9.2 4 PERMEABLE SURFACE DRIVEWAY 403 SF DRYWELL 2 9.0 9.0 4 PERMEABLE SURFACE DRIVEWAY 403 SF DRYWELL 2 9.0 9.0 4 PERMEABLE SURFACE DRIVEWAY 403 SF DRYWELL 2 9.0 9.0 4 PERMEABLE SURFACE DRIVEWAY 403 SF DRYWELL 2 9.0 9.0 4 PERMEABLE SURFACE DRIVEWAY 403 SF DRYWELL 2 9.0 9.0 4 PROJECT: GROVEMONT PHASE 2 LOTS 45-49 - SITE C TOTAL AREA (LOD): 0.43 AC NEW DEVELOPMENT	TOTAL AREA (LOD): 0.63	TOTAL AREA (LOD): 0.63 AC NEW DEVELOPMENT TARGET Pe: 1.80 IN IMPERVIOUS: 36.51 PERCENT SITE RV: 0.3786 SITE ESDV: 1558 CF 866 CF for 1" MPERVIOUS GRASS TOTAL PERCENT RV ESOV ESOV SITE ESDV SITE ESDV 3210 4924 8134 0.39 0.41 275 714 494 0.30 PERMEABLE SURFACE DRIVEWAY 384 SF 0.196 75 DRYWELL 2 9.2 9.2 4 0.3 203 PERMEABLE SURFACE DRIVEWAY 403 SF 0.196 75 DRYWELL 2 9.0 9.0 4 0.3 194 PERMEABLE SURFACE DRIVEWAY 403 SF 0.196 79 DRYWELL 2 9.0 9.0 4 0.3 194 PERMEABLE SURFACE DRIVEWAY 810 SF 0.196 79 DRYWELL 2 9.0 9.0 9.0 4 0.3 194 PERMEABLE SURFACE DRIVEWAY 810 SF 0.196 159 DRYWELL 2 8.2 8.2 4 0.3 161 PERMEABLE SURFACE DRIVEWAY 810 SF 0.196 159 DRYWELL 2 8.2 8.2 4 0.3 161 PROJECT: GROVEMONT PHASE 2 LOTS 45-49 - SITE DATA TOTAL AREA (LOD): 0.43 AC NEW DEVELOPMENT

			TARGET PE IMPERVIO SITE RV:		1.80 31.18 0.3306	IN PERCENT		· ·			
			SITE ESDv:		929	CF	516 (F for 1"			1
			. 73/27 . 72								
LOT AREA	IMPERVIOUS AREA *	GRASS AREA	TOTAL AREA	PERCENT IMPERVIOUS	RV	ESDv MIN(1")	ESDv MAX (2.6")	ESDv 1.80	PERCENT OF SITE	ESDv	
48	2920	6947	9867	0.30	0.32	260	676	468	0.52	<u> </u>	:
				PERMEABL	E SURFACE	DRIVEWAY	188	SF	0.196	37	CF
				DRYWELL	2	9.7	9.7	4	0.3	226	CF
			- ;						· 	263	CF PROV.
49	2920	6010	8930	0.33	0.34	256	666	461	0.48		
				PERMEABL	E SURFACE	DRIVEWAY		SF	0.196	46	CF
				DRYWELL	. 2 "	9.4	9.4	4	0.3	212	CF
										258	CF PROV.
	17.552 (3.54)		联系和扩展	!	:		;			ļ	
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			g								
	1					MIN (1")	MAX (2.6")	1.80]	:	
	5840	TOTAL AREA	1.5	SF	. J	516 CUFT	1342 CUFT	929 CUFT		521	CF PROV

1. These lots drain toward an existing Stormwater Management Facility designed for the Grovemont Overlook F 09-122 project. Stormwater Management for this lot is provided for 1" as quanity management has been provided

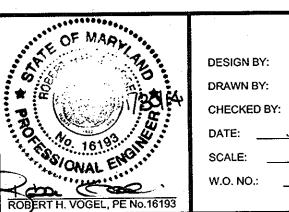
OWNER - LOT 2 JERICHO LLC 5331 LANDING ROAD ELKRIDGE, MD 21075 ATTN: MR. GARY CALTON 443-367-0422 **DEVELOPER** OWNER - LOT 39 LAND DESIGN & DEVELOPMENT, INC JERICHO LLC 5300 DORSEY HALL DRIVE ELLICOTT CITY LAND HOLDING, INC. 5300 DORSEY HALL DRIVE, SUITE 102 ELLICOTT CITY, MD 21042-7819 ATTN: MR. DON REUWER 443-367-0422 ELLICOTT CITY, MD 21042 ATTN: MR. DON REUWER (443) 367-0422 DATE REVISION SUPPLEMENTAL INFORMATION PLAN

STORMWATER MANAGEMENT AND LANDSCAPING NOTES AND DETAILS **GROVEMONT OVERLOOK**

PHASE 2 - LOTS 45 - 49 A RESUBDIVISION OF PHASE 1 - LOT 2 AND PHASE 2 - LOT 39

PARCELS '749 AX MAP 31 BLOCK 24 HOWARD COUNTY, MARYLAND ZONED R-ED 1ST ELECTION DISTRICT PREVIOUS SUBMITTALS: WP-07-100, SP-06-15, F-78-90/LEGAL PROPERTY, LOTS 1 & 2; F-87-87/LEGAL PROPERTY, LOTS 3 & 4; F-84-214/GEELHAAR PROPERTY, LOT 1, F-09-122, SDP-12-024 SDP-12-034, F-12-064, F-13-054, F-13-055, ECP 13-046, SP13-011, PB CASE 400

ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS . SURVEYORS . PLANNERS 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



PROFESSIONAL CERTIFICATE I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193 EXPIRATION DATE: 09-27-2014 JANUARY 2014

04-57

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