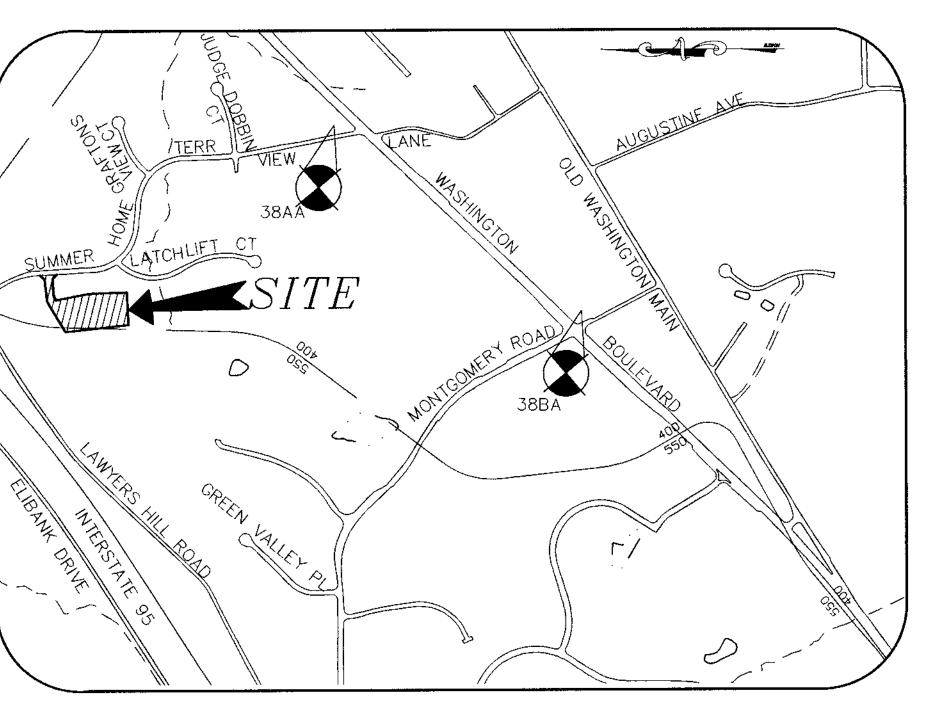
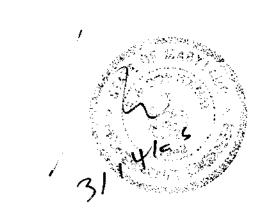
GENERAL NOTES:

- 1. ALL ASPECTS OF THE PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS.
- PROJECT BACKGROUND:
- TAX MAP: 38 PARCEL: 22 GRID: 2 ELECTION DISTRICT: FIRST
- DEED REFERENCE DPZ FILES: F-91-30 (THE GABLES AT LAWYERS HILL), F-03-166
- 3. <u>AREA TABULATION</u>
 A. TOTAL TRACT AREA: 2.29 AC.± NUMBER OF PROPOSED BUILDABLE LOTS: NUMBER OF PROPOSED NON-BUILDABLE PARCELS: 1
 - NUMBER OF OPEN SPACE LOTS: 1
 AREA OF BUILDABLE LOTS: 0.42 AC.±
 - MINIMUM LOT AREA: 14,000 SQ.FT.
 OPEN SPACE REQUIRED: 30% of 2.09AC. = 0.63 AC.
 - OPEN SPACE PROVIDED: 0.72 AC.± H. OPEN SPACE CREDITED: 0.63 AC.±
- NOTE: OPEN SPACE PROVIDED FOR TAX MAP 38, PARCEL 22, ONLY. OPEN SPACE WAS PREVIOUSLY PROVIDED FOR "GABLES AT LAWERS HILL," PARCEL A,
- 4. MINIMUM LOT SIZE AND OPEN SPACE REQUIREMENTS SHOWN ABOVE ARE IN ACCORDANCE WITH SECTION 16.121(a)(2) OF THE HOWARD COUNTY SUBDIVISION REGULATIONS, 5th ED.
- 5. BOUNDARY AND TOPOGRAPHY SHOWN HEREON IS BASED ON FIELD RUN & MONUMENTED SURVEY BY MILDENBERG, BOENDER & ASSOCS. ON OR ABOUT MARCH 2003.
- 6. HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND NAD 83 (HORZ) AND NGVD29 (VERT) AS PROJECTED FROM HOWARD
- COUNTY CONTROL STATIONS NO. 38AA & 38BA.
- N 561,158.784 ELEV. 220.778 STA. No. 38AA E 1,389,726.391
- N 562,553.278 ELEV. 166.944 STA. No. 388A E 1,390,967.927
- 7. NO FLOODPLAIN OR WETLAND EXIST ON SITE AS CERTIFIED BY MILDENBERG, BOENDER & ASSOCIATES IN WETLAND CERTIFICATION LETTER DATED APRIL 14, 2003.
- 8. PUBLIC WATER AND SEWAGE ALLOCATION WILL BE GRANTED AT THE TIME
- OF THE BUILDING PERMIT IF CAPACITY IS AVAILABLE AT THAT TIME. 9. THIS PROPOSED SUBDIVISION WILL CONSIST OF SINGLE FAMILY DETACHED DWELLINGS.
- 10. THERE ARE NO EXISTING STRUCTURES ON THE SUBJECT PROPERTY.
- 11. NO STEEP SLOPES 25% OR GREATER EXISTS ON SITE. 12. THIS SUBDIVISION IS IN COMPLIANCE WITH SECTION 16.124 OF HOWARD COUNTY
- CODE AND THE LANDSCAPE MANUAL. 13. LANDSCAPING HAS BEEN PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING ON OPEN SPACE LOT 2 (6 SHADE TREES, 9 EVERGREENS) IN THE AMOUNT OF \$3,150.00, LOT 1 (11 SHADE TREES) IN THE AMOUNT OF \$3,300.00, AND LOT A (20 SHRUBS) IN THE AMOUNT OF \$600.00 FOR A TOTAL OF
- \$7,050.00 WILL BE POSTED AS PART OF THE GRADING PERMIT. 14. SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED JULY 1968, SHEET 20.
- 15. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - A) WIDTH 12 FEET (14 FEET SERVING MORE THAN ONE RESIDENCE). B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE
 - WITH TAR AND CHIP COATING. C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE
 - 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 DRIVEWAY SURFACE.
 - F) STRUCTURE CLEARANCES MINIMUM 12 FEET G) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
- 16. STORMWATER MANAGEMENT FOR PARCEL A OF THE GABLES AT LAWERS HILL WAS PROVIDED UNDER F-91-030.
- 17. FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT FOR THIS SUBDIVISION HAS BEEN FULFILLED BY RETENTION OF 0.30 ACRES (13,068 SQ. FT.) OF FOREST AND A FEE-IN-LIEU OF 0.72 ACRES (31,363.2 SQ. FT.) IN THE AMOUNT OF \$15,681.60. FINANCIAL SURETY FOR THE 0.30 ACRES
- HAS BEEN POSTED IN THE AMOUNT OF \$2,613.60 AS PART OF THE DPW DEVELOPERS AGREEMENT. 18. FOREST CONSERVATION EASEMENT(S) HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF HOWARD COUNTY CODE AND FOREST CONSERVATION ACT. NO CLEARING GRADING. OF CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, EXCEPT AS SHOWN ON AN APPROVED ROAD CONSTRUCTION DRAWING OR SITE DEVELOPMENT PLAN. HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION
- 19. THIS SUBDIVISION CONFORMS TO THE 5TH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS AS AMENDED UNDER COUNCIL BILL # 50-2001.
- 20. SWM PROVIDED VIA SURFACE SAND FILTER TO BE PRIVATELY OWNED AND MAINTAINED. SWM HAS BEEN PROVIDED FOR FUTURE DEVELOPMENT.
- 21. FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM AND THE ROAD RIGHT-OF WAY LINE ONLY AND NOT ONTO THE FLAG OR PIPE STEM LOT DRIVEWAY.
- 22. NON BUILDABLE BULK PARCEL A WILL BE CONVERTED TO BUILDABLE UNDER F-.3-166, WHEN ALLOCATIONS ARE GRANTED AND THAT PLAT IS RECORDED.

SUPPLMENTAL PLAN COVER SHEET SUPPLEMENTAL PLAN WIERKOWSKI PROPERTY STORMWATER MANAGEMENT DETAILS NON-BUILDABLE BULK PARCEL A, SPACE LOT 2 ELECTION DISTRICT HOWARD COUNTY, MARYLAND



VICINITY MAP SCALE: 1"=1000'



SHEET INDEX

OWNER

REUWER LONG TERM HOLDINGS 8000 MAIN STREET ELLICOTT CITY, MD 21043 (410) 480-9105

DEVELOPER

LAND DESIGN AND DEVELOPMENT, LLC 8000 MAIN STREET ELLICOTT CITY, MD 21043 (410) 480-9105

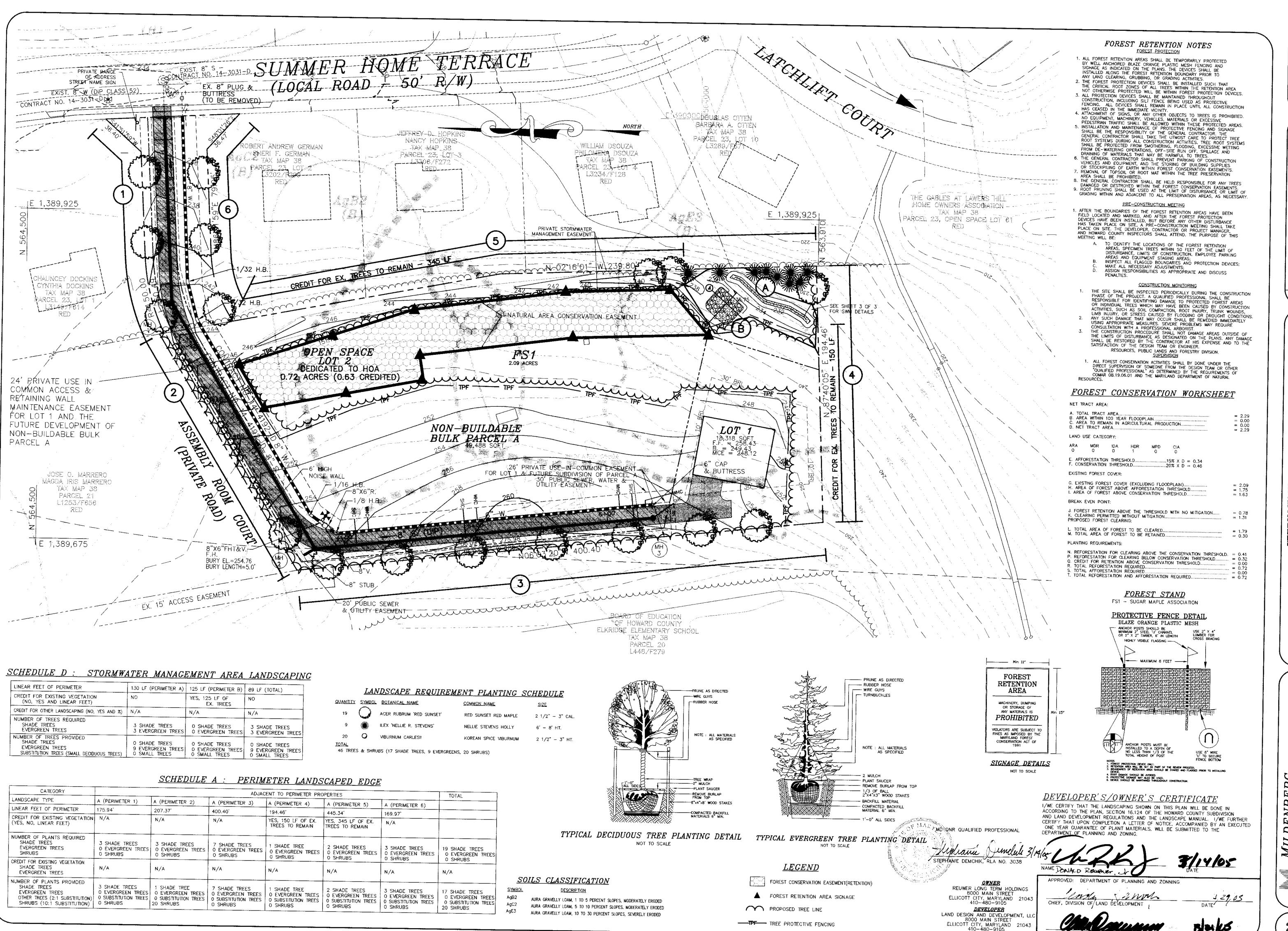
APPROVED: DEPARTMENT OF PUBLIC WORKS			
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HIEE BUREAU OF HIGHWAYS		DATE	
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description date revisions

AP 38, PARCEL A, & OPEN SPACE LOT 2
AP 38, PARCEL 22, GRID 2
HOWARD COUNTY, MARYLAND

LOT 1, NON-BUILDABLE BULK PARCEL A, & TAX MAP 38, PARCEL 22, GRIJ FIRST ELECTION DISTRICT

DENBERG,

INDER & ASSOC., INC.

ineers Planners Surveyors

2 of 3

SCHEDULE					
Н	s	D	đ	POST SIZE	
6	8'	4'	16"	8"×8"	

A. HEIGHT OF BARRIER SHALL BE BASED ON ACOUSTIC REQUIREMENTS. B. BARRIER WALLS HAVING A HEIGHT (H) NOT INDICATED IN THE TABLES SHALL BE CONSTRUCTED AS SHOWN IN THE HIGHER HEIGHT CATEGORY. 2. SIDING.

A. 2 INCH WOOD DECKING MATERIAL SHALL BE UTILIZED TO SPAN HORIZONTALLY BETWEEN POSTS, DESIGN CRITERIA IS BASED ON AN INCREASE IN STRESS FOR WIND LOADS AS CONSIDERED APPROPRIATE. DECKING SHALL BE MC15.

B. SIDING IN CONTACT WITH THE GROUND AND FOR A DISTANCE OF 6" ABOVE GRADE SHALL BE TREATED WITH WOOD PRESERVATIVE.

3. POST: ALLOWABLE BENDING STRESS OF 1400 LBS. PER SQ.IN. AND A 33 1/3% A. WOOD POST SHALL BE UTILIZED AT THE SPACING INDICATED ON THE SCHEDULE. DESIGN CRITERIA IS BASED ON AN ALLOWABLE BENDING STRESS OF 1400 LBS. PER SQ. IN. AND A 33 1/3% INCREASE FOR

B. POST EMBEDDED IN CONCRETE SHALL BE TREATED WITH A WOOD PRESERVATIVE IN THE AREA OF EMBEDMENT AND 12" ABOVE GRADE.

4. CONCRETE: A. CONCRETE IN THE PIERS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 2500 LBS. PER SQ. IN.

B. CONCRETE SHALL BE PLACED IN DRILLED PIERS UTILIZING THE EARTH AS THE FORMS.

A. THE DRILLED PIERS HAVE BEEN DESIGNED UTILIZING AN ALLOWABLE

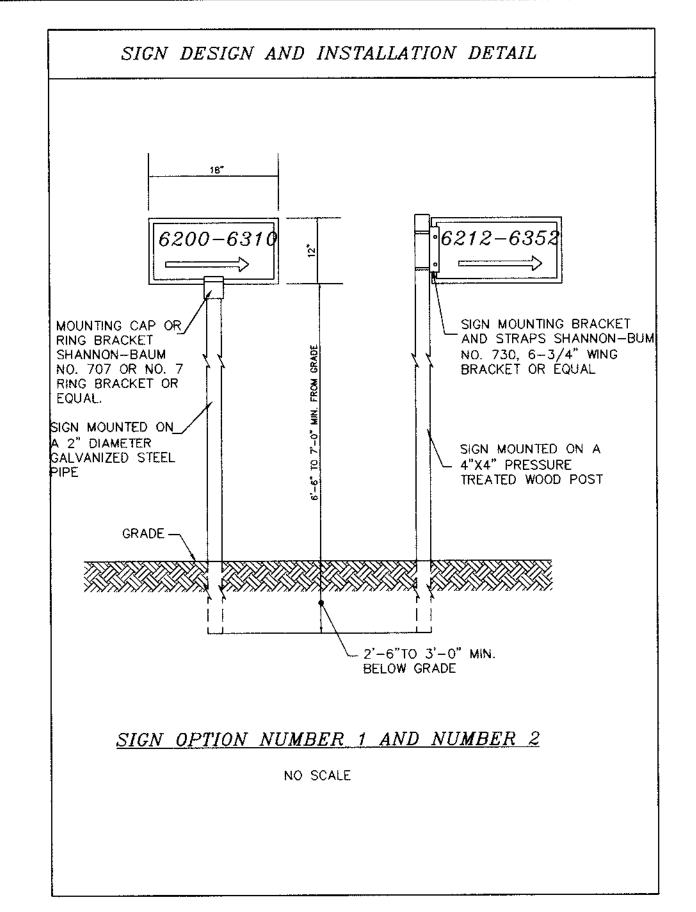
PASSIVE PRESSURE OF 300 LBS. PER SQ. FT. AND THE FOLLOWING FORMULA: $D = \left(\frac{14.52M}{Pd}\right)^{1/3}$

M= MOMENT AT TOP OF DRILLED PIER (FT/LBS) P= ALLOWABLE PASSIVE PRESSURE (300 LBS PER SQ.FT.) d= DIAMETER OF PIER (FT.)

D= DEPTH OF PIER (FT.) 6. ALTERNATIVE #1 (PRESERVATIVE TREATMENT) ALTERNATIVE #1 REPRESENTS THE ADDITIONAL COST FACTOR FOR TREATING THE BASIC WOOD STRUCTURE INDICATED ON THIS REFERENCE PLAN. THE NECESSITY FOR TREATMENT AND THE TYPE OF PRESERVATIVE WILL BE SUBJECT TO LOCAL CONDITIONS, ALL TREATMENTS SHALL CONFORM TO AWPA STD C-14.

7. ALTERNATIVE #2 (PAINTING) ALTERNATIVE #2 REPRESENTS THE ADDITIONAL COST FACTOR REQUIRED TO PAINT ONE SIDE OF THE BASIC WOOD STRUCTURE SHOWN ON THIS REFERENCE PLAN. PAINTING SHALL CONSIST OF 3 APPLICATIONS OF PAINT, 2 COATS OF LATEX BASE PAINT CONFORMING TO FEDERAL SPECIFICATION TT-P-009966 SHALL BE APPLIED OVER PRIMER COAT CONFORMING TO FEDERAL SPECIFICATION TT-P-00250.

8. ALTERNATIVE #3 (STAINING) ALTERNATIVE #3 REPRESENTS THE ADDITIONAL COST FACTOR REQUIRED TO STAIN ONE SIDE OF BASIC WOOD STRUCTURE. STAIN SHALL CONSIST OF 2 COATS OF SEMI-TRANSPARENT SEALER STAIN APPLIED IN ACCORDANCE WITH MANUFACTURES WRITTEN INSTRUCTIONS.



THE FOLLOWING STANDARD SIGN DESIGN SPECIFICATIONS SHALL APPLY:

- 1. THE SIGN SIZE SHALL BE 12"X18".
- 2. THE SIGN MATERIAL SHALL BE 0.080 GAUGE THICKNESS ANODIZED ALUMINUM.
- THE SIGN SHALL HAVE A GREEN BACKGROUND WITH 3" HIGH WHITE REFLECTIVE NUMBERS AND ARROW WITH A WHITE REFLECTIVE BORDER.
- WHERE A PRIVATE ROAD NAME IS IN USE OR PART OF A PRIVATE HOMEOWNER'S ARTICLES OF INCORPORATION AGREEMENT THE SIGN SIZE WILL BE ENLARGED TO ACCOMMODATE THE NECESSARY LETTERING BUT REMAIN PROPORTIONAL TO THE ABOVE DESIGN LIMITS.
- 5. THE SIGN WILL BE INSTALLED WITHIN THE COMMON DRIVEWAY EASEMENT AREA AS NOTED ON THE FINAL PLAT.
- ADDRESS NUMBER IDENTIFICATION SIGNS ARE TO BE PROVIDED UNDER THE TENETS OF THE HOMEOWNER'S ASSOCIATION INCORPORATION OR A PROPERTY MANAGEMENT COMPANY FOR INSTALLATION AND MAINTENANCE IN ACCORDANCE WITH THE DEPARTMENT OF PLANNING AND ZONING ADDRESS NUMBERING SYSTEM AND PER SECTION 3.503(a) OF THE HOWARD COUNTY CODE-PUBLIC SIGNS. MAINTENANCE/ REPAIR AND REPLACEMENT OF THE ADDRESS NUMBER DIRECTIONAL SIGNS WILL BE THE RESPONSIBILITY OF THE HOMEOWNER'S ASSOCIATION OR A PROPERTY MANAGEMENT COMPANY.
- COMPLIANCE REGARDING THE INSTALLATION OF THE NEW ADDRESS NUMBER DIRECTIONAL SIGNS WILL BEEN ENFORCED BY THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AT THE TIME OF FINAL APPROVAL FOR ISSUANCE OF THE USE AND OCCUPANCY PERMITS.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT. (1 DAY)
- 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AT LOCATION SHOWN. (1 DAY)
- 3. CONSTRUCT SUPER SILT FENCES. (2 DAYS)
- 4. COMPLETE CONSTRUCTION AS SHOWN INCLUDING SWALE AND SURFACE SAND FILTER. (60 DAYS)
- SEED AND MULCH DISTURBED AREAS. (2 DAYS)

AND STABILIZE REMAINING DISTURBED AREAS.

UPON STABILIZATION OF THE SITE AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES

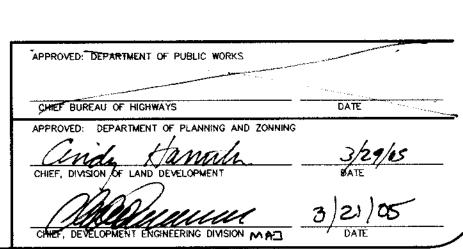
NOTE: THE ABOVE SEQUENCE OF CONSTRUCTION WAS TAKEN FROM GP-04-62. PLEASE REFER TO GP-04-62 FOR FURTHER DETAIL.

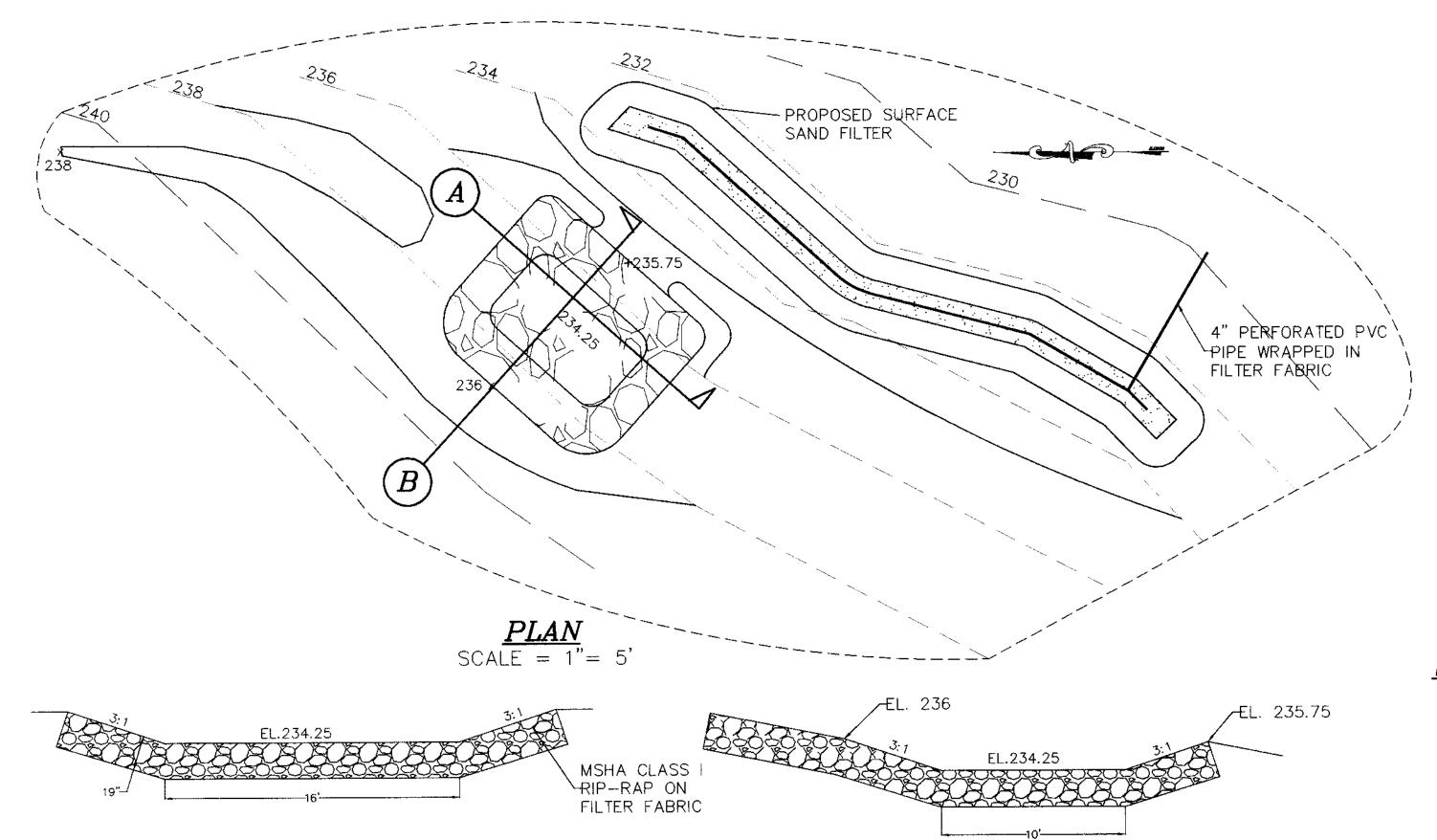
OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED UNDERGROUND STORMWATER FILTRATION SYSTEMS (F-2 AND F-3)

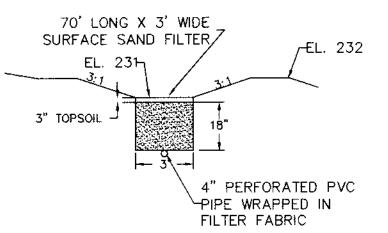
- 1. THE SEDIMENT CHAMBER OUTLET DEVICES SHALL BE CLEANED AND/OR REPAIRED WHEN DRAW-DOWN
- TIMES WITHIN THE CHAMBER EXCEED 36 HOURS. 2. DEBRIS AND LITTER SHALL BE REMOVED AS NECESSARY TO INSURE PROPER OPERATION OF THE SYSTEM. 3. SEDIMENT SHALL BE CLEANED OUT OF THE SEDIMENTATION CHAMBER WHEN IT ACCUMULATES TO A DEPTH OF 6 INCHES. VEGETATION WITHIN THE SEDIMENT CHAMBER SHALL BE LIMITED TO A HEIGHT OF 18
- 4. WHEN WATER PONDS ON THE SURFACE OF THE FILTER BED FOR MORE THAN 72 HOURS, THE TOP FEW INCHES OF DISCOLORED MATERIAL SHALL BE REPLACED WITH FRESH MATERIAL, PROPER CLEANING AND DISPOSAL OF THE REMOVED MATERIALS AND LIQUID MUST BE FOLLOWED BY THE OWNER.
- 5. A LOG BOOK SHALL BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS. 6. THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE
- COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA. 7. ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION SYSTEM HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.



OWNER AND DEVELOPER
LAND DESIGN AND DEVELOPMENT, LLC
8000 MAIN STREET ELLICOTT CITY, MARYLAND 21043 410-480-9105







SECTION VIEW - SAND FILTER SCALE: 1"=5"



3 OF 3

MAR engin HSP

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SPACE

LOT

SSOC.

MILDENBERG, BOENDER & A

SECTION

STORMWATER MANAGEMENT FACILITY

F-05-21