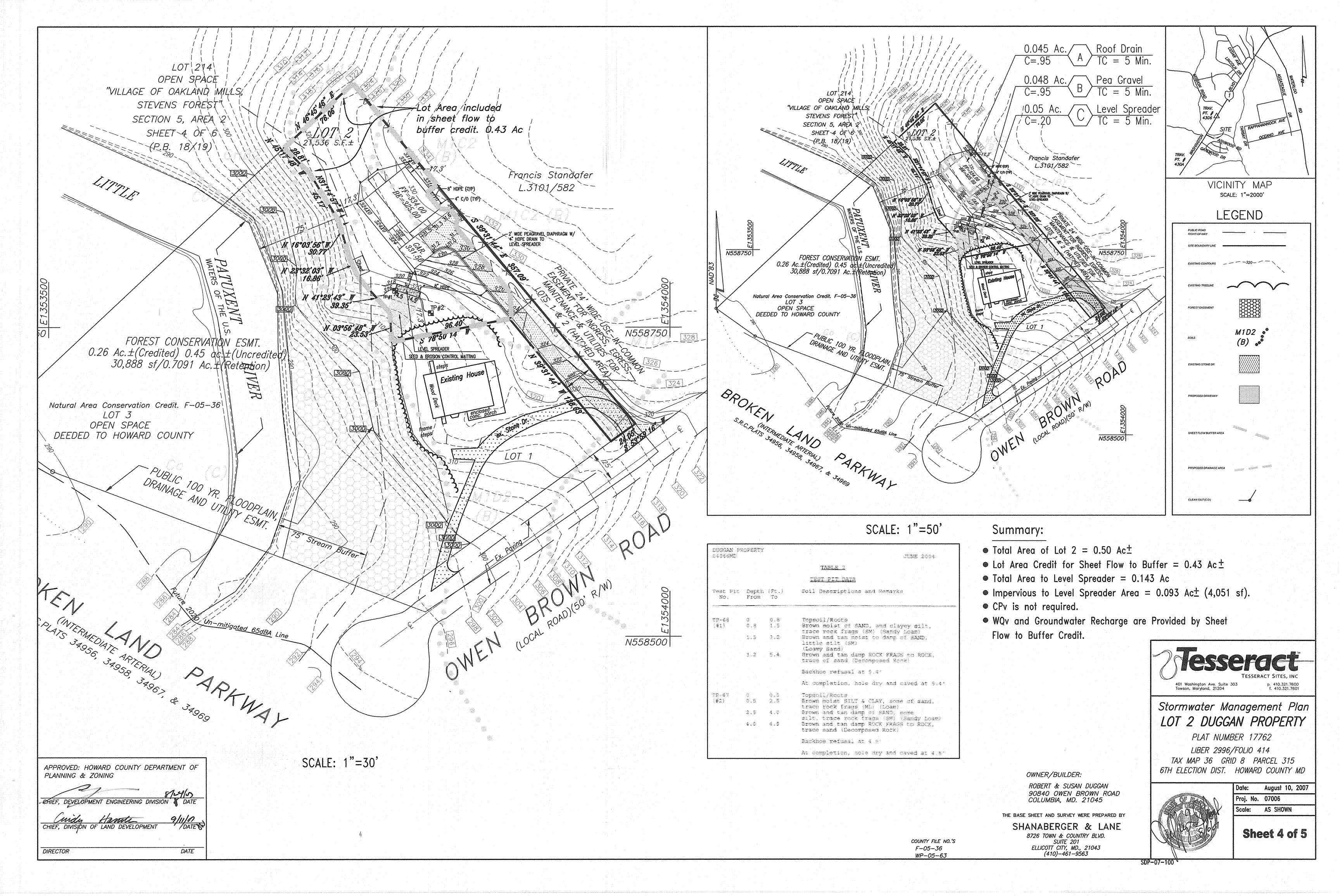
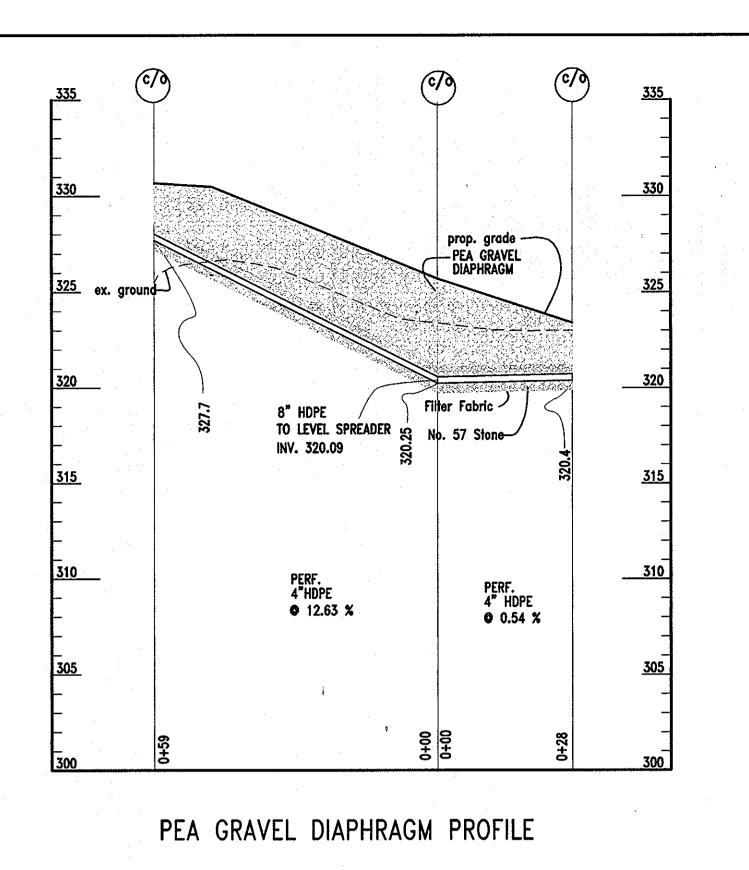
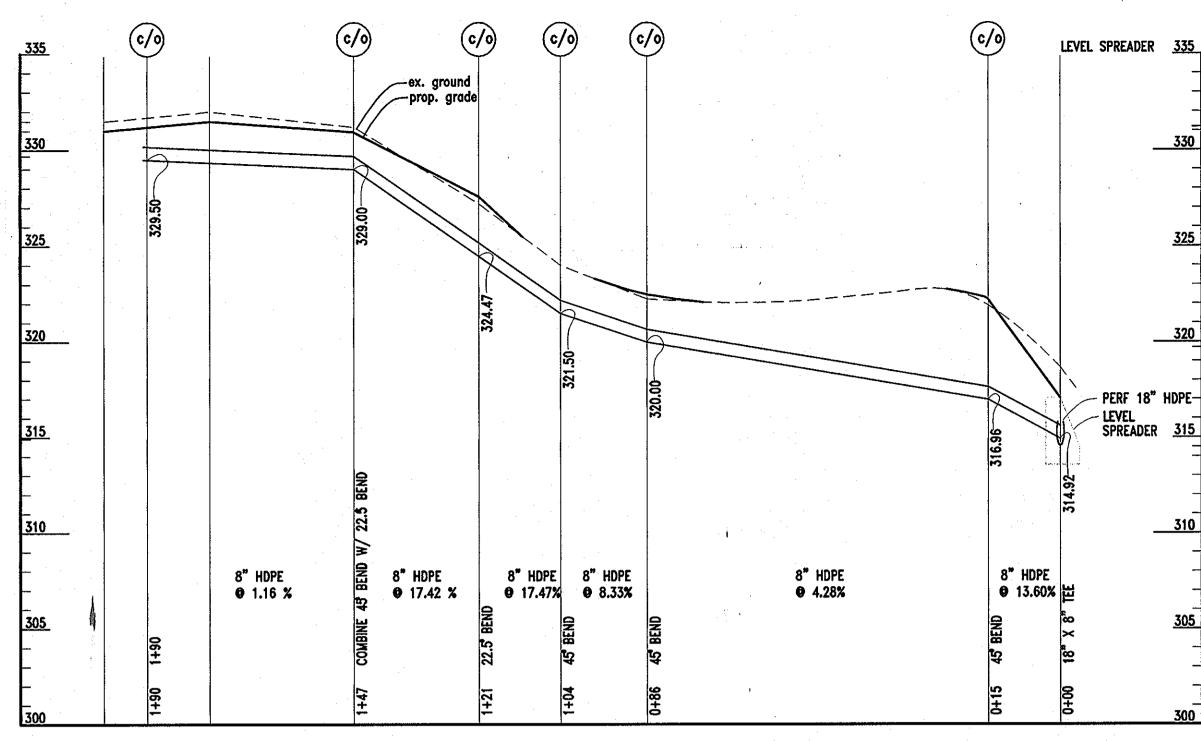


GENERAL NOTES ROOT PRUNING 1. THE SUBJECT PROPERTY IS ZONED R-20 PER THE 2/2/2004 COMPREHENSIVE ZONING PLAN, AND THE COMP. LITE ZONING AMENDMENTS EFFECTIVE 7/28/06. 2. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL . Retention areas shall be set prior to construction 2. Boundaries of retention areas shall be flagged, and location of trench shall be specified by ERI Qualified Professional. 3. NO LANDSCAPE SURETY FEE IS REQUIRED. 4. THE USE-IN-COMMON DRIVEWAY MAINTENANCE AGREEMENT FOR LOT 1 & 2 3. Roots shall be cut cleanly with root pruning equipment. Where roots >1" are found, trenching shall be done by air spade or hand tools. Roots >1" shall be cut with a hand saw. WAS RECORDED IN THE HOWARD COUNTY LAND RECORDS ALONG WITH THE RECORDING OF F-05-36. 5. THE EXISTING BOUNDARY AND TOPOGRAPHY SHOWN IS BASED ON A FIELD—RUN SURVEY BY SHANABERGER & LANE IN DECEMBER 2003 TIED TO HOWARD COUNTY CONTROL STATIONS: 4. Trench shall be immediately backfilled with soil removed or high LOT:214 HORIZONTAL: NAD83, VERTICAL: NGVD29 5. Any other techniques shall be approved by the ERI Qualified HOWARD COUNTY MONUMENT NO. 36EA Professional before implementation OPEN SPACE HOWARD COUNTY MONUMENT NO. 36HA EL:292.286 - Tree Protection Fence "VILLAGE OF OAKLAND MILLS, BENCHMARK: NAIL SET TRAVERSE NO. 1 EL. 324.25 r6"-12" from trench to fence BENCHMARK: NAIL SET TRAVERSE NO. 2 EL. 294.05 _12"± from LOD 6. FOREST CONSERVATION REQUIREMENTS FOR THIS LOT HAVE BEEN SATISFIED WITH F-05-36 BY A FEE IN LIEU PAYMENT OF \$2178.00 FOR 0.10 AC.± REFORESTATION OBLIGATION, AND RETENTION OF 0.26 AC.± ON SITE IN A FOREST CONSERVATION EASEMENT ON OPEN SPACE LOT 3. VICINITY MAP 7. EXISTING PAVED DRIVEWAY ENTRANCE TO REMAIN. SCALE: 1"=2000' 18/19 8. THIS LOT IS SUBJECT TO THE CONDITIONS OF WP-05-063 WHICH ON 3/24/05 APPROVED WAIVERS OF SECTION 16.116(a)(3) (to permit part of the required 75' stream buffer on Lot 2) AND OF SECTION 16.120.(b)(4)(iii)(c) (to permit a 17-foot setback from the stream buffer for house construction on Lot 2 rather than the required 35-foot setback to the building envelope). 9. STORMWATER MANAGEMENT FOR THIS LOT IS BEING PROVIDED BY USING STORMWATER MANAGEMENT CREDITS: - NATURAL AREA CONSERVATION CREDIT. 2' minimum depth - SHEET FLOW TO BUFFER CREDIT IN CONJUNCTION WITH A 6" maximum width TRACY & FRANK STANDAFER PROPOSED LEVEL SPREADER. CRITICAL ROOT ZONE 10. PERIMETER LANDSCAPING FOR LOT 2 SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 16.124 L.9860/F.35 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL AS SHOWN ON A REQUEST FOR ALTERNATIVE COMPLIANCE ON FILE WITH F-05-36. THE LANDSCAPING PROPOSED IN THIS SUBMISSION IS THE SAME AS THAT PROPOSED WITH F-05-36. ZONED R-20 11. THERE ARE NO WETLANDS OR STREAMS OR FOREST CONSERVATION AREAS TAX MAP 37, PARCEL 175 ON THIS LOT. THERE IS A STREAM BUFFER THROUGH PART OF THIS LOT. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, OR PLACEMENT OF NEW STRUCTURES IS PERMITTED WITHIN THE STREAM BUFFER. 12. B.R.L. DESIGNATES BUILDING RESTRICTION LINE PATUXEN'S OF THE Soil Protection Zone Notes EX. PRIVATE 24' USE-IN-COMMON EASEMENT FOR INGRESS, EGRESS, 1. The Soil Protection Zone shall include all areas contained inside the Limit of MAINTENANCE & UTILITIES FOR Disturbance. LOTS 1 & 2 (PLAT#17762) MAINT AGREEMENT L.9570, F.639 2. Where possible, the Soil Protection Zone shall extend to the drip line of specimen trees. For other groups of trees, the zone shall be the drip line or 40% of the height FOREST CONSERVATION ESMT. 0.26 Ac.±(Credited) 0.45 ac.±(Uncredited) 30,888 sf/0.7091 Ac.±(Retention) of the tree, whichever is greater. N 03°56'48" 3. No construction activity is permitted within the Soil Protection Zone. 4. If soil has been compacted or grading has taken place in the vicinity of the Soil Protection Zone, root pruning shall be implemented per Root Pruning detail, shown on this plan. \ Existing House \ 5. Root pruning shall occur prior to the THE STATE OF THE S beginning of construction. 6. Where the Soil Protection Zone must encroach inside the Critical Root Zone of a tree, soil disturbance shall be mitigated with vertical mulching, radial trenching, or another method approved by the ERI Forest Sewer LOT . Conservation Professional. . Prior to construction, the Limits of OPEN SPACE Disturbance shall be marked and the ERI PRIVATE EASEMENT FOR GRADING, DEEDED TO HOWARD COUNTY Professional shall determine which trees will INGRESS, EGRESS, MAINTENANCE, need preventative treatment or removal. ZONED R-20 & SIGHT DISTANCE 8. Tree maintenance and removal shall be LIBER 10831, FOLIO 615 undertaken by a qualified MD Tree Expert to ensure damage to surrounding trees is DRAINAGE AND UTILITY ESMT. minimized. 9. Brush and limbs removed for construction shall be chipped and spread at the edge of the Soil Protection Zone to a depth of 6 inches. This shall occur outside the Soil Protection Zone where compaction could impact otherwise unprotected Critical Root Zone. NTERMEDIATE ARTERIAL RUN WARKS SCHEDULE A PERIMETER LANDSCAPE EDGE P-1 P-2 P-3 CATEGORY LANDSCAPE TYPE INEAR FEET OF ROADWAY 357' 76' FRONTAGE/PERIMETER CREDIT FOR EXISTING VEGETATION (YES,NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED) WOODS WOODS* SITE ANALYSIS DATA CHART CREDIT FOR WALL, FENCE OR BERM (YES,NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED) NO NO A. TOTAL PROJECT AREA: 21,536 S.F.± LEGEND: B. AREA OF PLAN SUBMISSION: 21,536 S.F.± NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS C. LIMIT OF DISTURBED AREA: 12,968 S.F.± DESIGNATES LIMITS OF DISTURBANCE D. PRESENT ZONING DESIGNATION: R-20 DESIGNATES SOIL TYPE BOUNDARY E. EXISTING AND PROPOSED USE: VACANT/SINGLE FAMILY RESIDENTIAL NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES(2:1 SUBSTITUTION) DESIGNATES SILT FENCE G. TOTAL NUMBER OF UNITS ALLOWED: 1 H. TOTAL NUMBER OF UNITS PROPOSED ON SUBMISSION: 1 (DESCRIBE PLANT SUBSTITUTION CREDITS I. NUMBER OF EMPLOYEES: N/A DESIGNATES EX. FOREST CONSERVATION ESMT ♂ Sewer * Existing forested area and individual trees satisfy the perimeter obligation. 2 Existing shade trees and J. NUMBER OF PARKING SPACE REQUIRED: 2 DESIGNATES EX. DRIVEWAY 4 existing evergreen trees have been retained; see plan for locations K. NUMBER OF PARKING SPACE PROVIDED: 2 L. OPEN SPACE: NONE DESIGNATES PROPOSED DRIVEWAY OVED: FOR PUBLIC WATER AND PL M. AREA OF RECREATIONAL OPEN SPACE: NONE YSTEMS. HOWARD COUNT DESIGNATES SLOPES >15% OR USE-IN-COMMON ACCESS ESMT. N. BUILDING COVERAGE: 2,338 SQ.FT.± OR 10.86% OF GROSS AREA DEPARTMEN O. APPLICABLE DPZ FILE REFERENCES: F-05-36, WP-05-63 OWNER/BUILDER: DESIGNATES EXISTING CONTOUR ROBERT & SUSAN DUGGAN DESIGNED DESIGNATES PROPOSED CONTOUR 9840 OWEN BROWN ROAD LANDSCAPE PLAN TY HEALTH OFFICER 1"=30' SHEET COLUMBIA, MD. 21045 APPROVED: HOWARD COUNTY DEPARTMENT OF (410) 997-4793 DUGGAN PROPERTY PLANNING & ZONING DRAWING SINGLE FAMILY DWELLING 0314sdp3 .3 タノレソノの GSS CHIÉF, DEVELOPMENT ENGINEERING DIVISION & DATE PLAT NUMBER 17762 LIBER 2996/FOLIO 414 EXPLORATION RESEARCH, INC. JOB NO. CHECKED TAX MAP 36 GRID 8 PARCEL 315 03-14 ENVIRONMENTAL CONSULTANTS LANDSCAPE ARCHITECTS 6TH ELECTION DIST. HOWARD COUNTY MARYLAND COUNTY FILE #'S 6339 HOWARD LANE ELKRIDGE, MARYLAND 21075 TEL: (410) 567-5210 FAX: (410) 796-1562 SCALE: 1"=30' F-05-36 JUNE 6, 2007 3/13/2007 WP-05-63 BY NO. REVISION DATE SDP-07-100







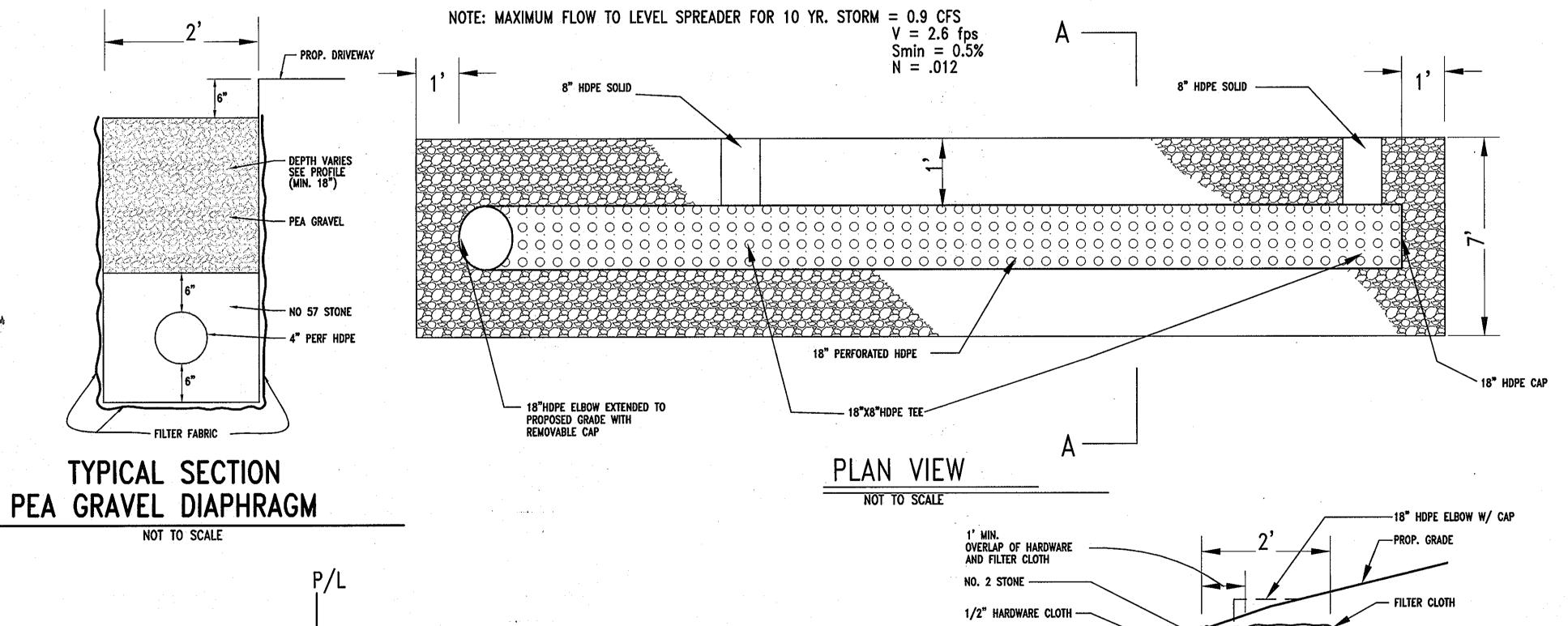
(c/o)(c/o) LEVEL SPREADER (C/O) PEA GRAVEL
DIAPHRAGM LEVEL SPREADER 8" HDPE • 8.33 %

ROOF DRAIN PROFILE

PROFILE FROM PEA GRAVEL DIAPHRAGM TO LEVEL SPREADER

STORM DRAIN PROFILES

PIPE SCHEDULE		
SIZE	TYPE	LENGTH
4"	HDPE (PERF)	87LF
8"	HDPE (SOLID)	252LF
18"	HDPE	20 LF

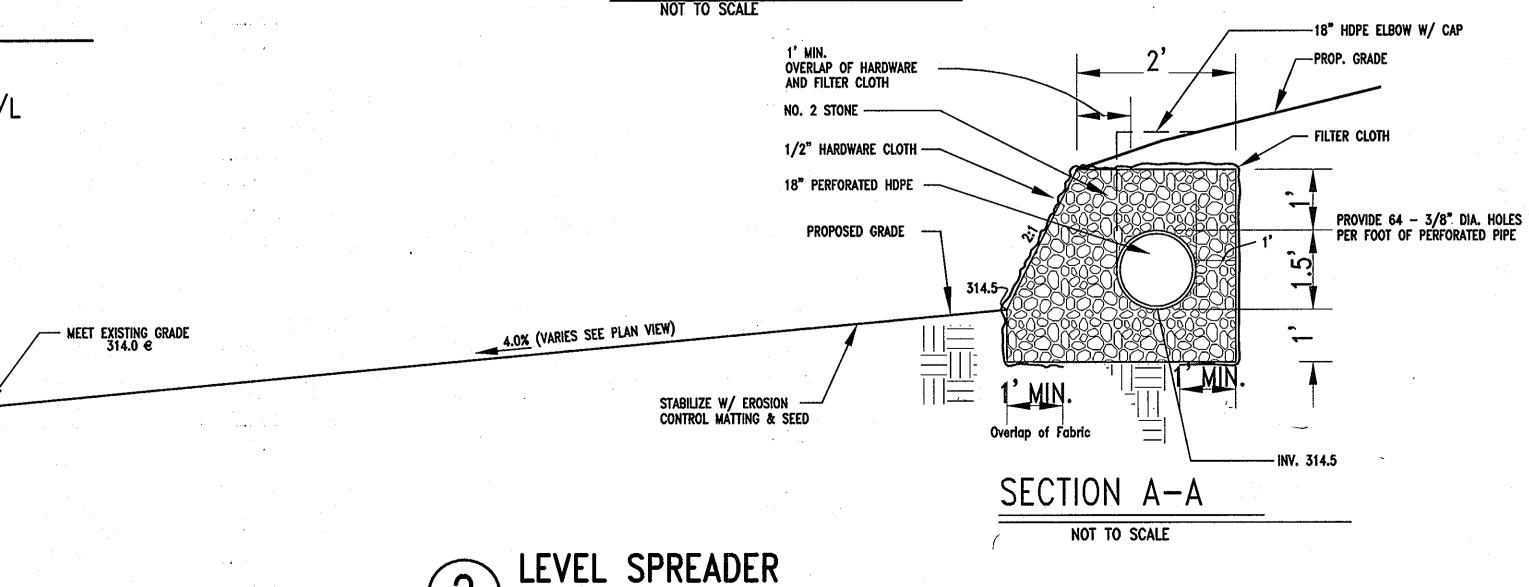


MAINTENANCE SCHEDULE FOR LEVEL SPREADER

- 1.) INSPECT LEVEL SPREADER AFTER EACH MAJOR STORM EVENT.
- 2.) CORRECTIVE MAINTENANCE IS REQUIRED IF STONE DOES NOT DRAIN DOWN WITHIN 96 HOURS.
- 3.) REMOVE DEBRIS AND TRASH FROM FACE OF STONE AS NEEDED.
- 4.) INSPECT AND MAKE REPAIRS TO STRUCTURE ANNUALLY.

NOTES

- 1.) ALL HDPE FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
- 2.) CONTRACTOR SHALL CONNECT ALL ROOF DRAINS TO 8" HDPE (EXCEPT THOSE DISCHARGING ON THE DRIVEWAY).



Stormwater Management Details LOT 2 DUGGAN PROPERTY PLAT NUMBER 17762

LIBER 2996/FOLIO 414 TAX MAP 36 GRID 8 PARCEL 315 6TH ELECTION DIST. HOWARD COUNTY MD

Scale: AS SHOWN Sheet 5 of 5

Date: June 6, 2007

Proj. No. 07006

APPROVED: HOWARD COUNTY DEPARTMENT OF 8/4/5 CHIEF, DEVELOPMENT ENGINEERING DIVISION A DATE

NOT TO SCALE

SDP-07-100