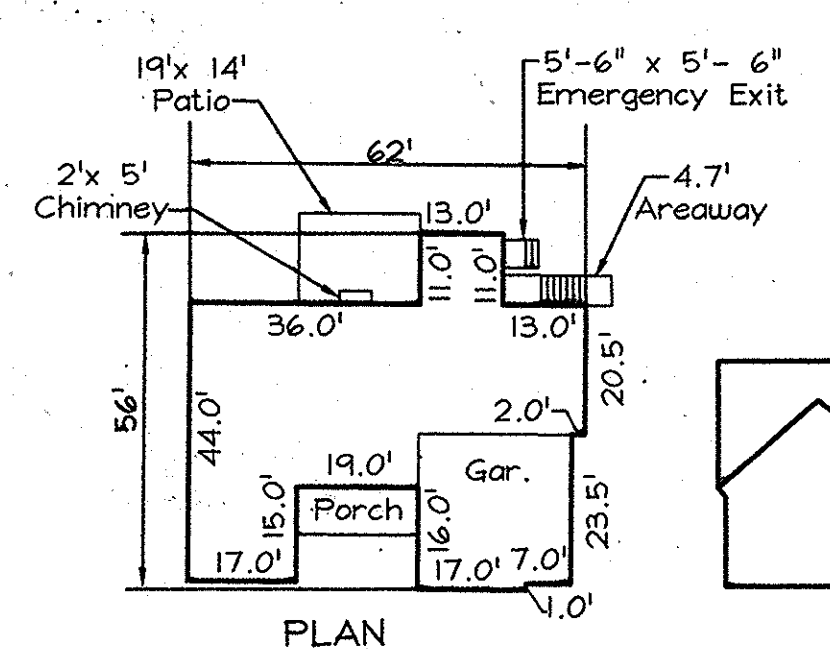
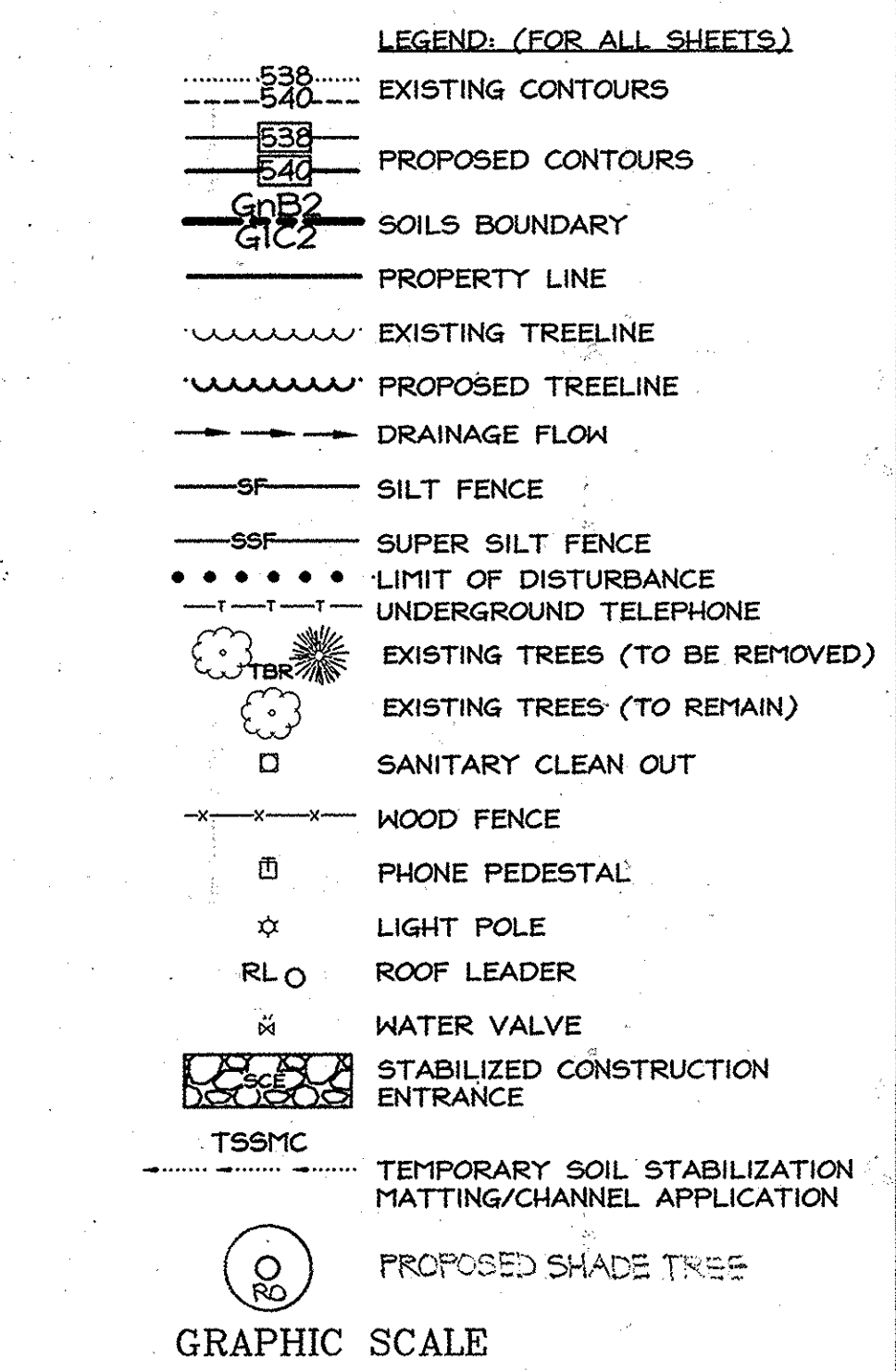
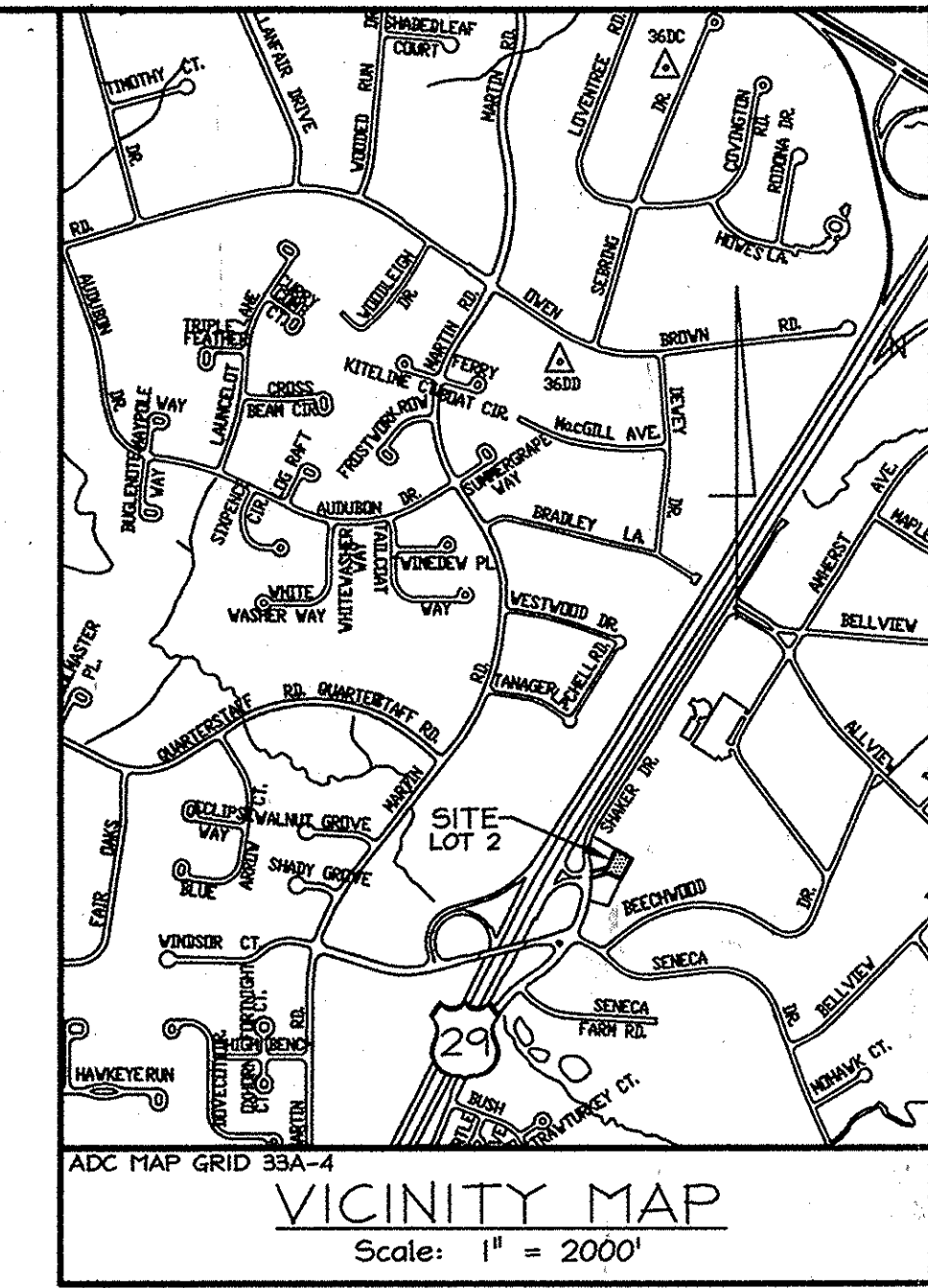


- EASEMENT LEGEND**
- EXISTING 24' PRIVATE ACCESS
 - EXISTING 30' PRIVATE UTILITY
- PAVEMENT LEGEND**
- PERMEABLE PAVING (A-2)
 - BITUMINOUS PAVING (P-1 SECTION)

- GENERAL NOTES**
- The subject property is zoned R-20 per the 2/2/04 Comprehensive Zoning Plan and the Comp Site Zoning Regulations effective 7/28/06.
 - All construction shall be in accordance with latest Standards and Specifications of Howard County Design Manual Vol. IV and current MSHA Standards & Specifications.
 - Project Background:
 - Subdivision: David N. Elliott II Property
 - Location: 10548 Shaker Drive
 - Columbia, Maryland 21046
 - Tax Map: Map 36, Grid 19, Parcel 56
 - Election District: 6th
 - Current Deed Reference: L. 9926, F. 136
 - Plot Reference: 22556
 - Tax ID Nos. 06-881501
 - The Boundary shown hereon is based on a field run monumented boundary survey by J. E. Clark Company dated August 2001 & June 2002 (Plot 17848).
 - The existing topography is taken from a field run survey with two foot contour intervals prepared by LDE, Inc. in April 2013 and supplemented with Howard County Aerial Photography, Horizontal and Vertical Datum are related to the Maryland State Plane Coordinate System (NAD 83) as projected from Howard County Control Stations Nos. 36DC & 36DD.
 - Any damage caused by the contractor to existing public right-of-way, existing paving, existing curb and gutter, existing utilities, etc. shall be corrected at the contractor's expense.
 - The existing utilities shown hereon are located from field surveys and construction drawings of record. The contractor shall locate existing utilities to his own satisfaction and well in advance of any construction activities. Additionally, the contractor shall take all necessary precautions to protect all existing utilities and maintain uninterrupted service. Any damage incurred to utilities or existing features due to contractor's operation shall be repaired immediately at the contractor's expense.
 - There may be additional utilities not shown on these plans. The engineer assumes no responsibility for utility locations not shown and it shall be the responsibility of the contractor to verify the locations of all existing utilities within the limits of construction and notify the engineer of any discrepancies, prior to the start of construction.
 - Site Analysis Data:
 - a. Total Project Area: Lot 2 0.49 Acres ± or 21,453 Square Feet
 - b. Area of Plan Submission: 0.49 Acres ± or 21,453 Square Feet
 - c. Limit of Disturbed Area: 0.42 Acres ± or 18,300 Square Feet
 - d. Present Zoning Designation: R-20
 - e. Proposed Site and Structure Use: One (1) SDF house on Lot 2
 - This property was investigated for wetlands by Eco-Science, Inc. in January 2003 as part of F04-138. No wetlands were identified on-site.
 - No construction, grading or removal of existing vegetation shall occur within the forest conservation easements, wetlands or stream bank buffers. However, forest management practices, as defined in the deed of forest conservation are allowed.
 - This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and the Landscape Manual. The previous Landscape Plan approved under F04-138 has been voided due to the removal of the existing trees to be used for credit. The Landscape Surety of \$900.00 for the required 3 shade trees will be posted with the Builders Grading Permit for this lot.
 - Soils shown hereon are based on the Howard County, MD Soil Survey, sheet MD 0027.
 - In accordance with Section 128 of the Howard County Zoning Regulations, bay window, chimneys or exterior stairways not more than 18 feet in width may project not more than 4 feet into any setbacks, porches or decks, open or enclosed may project not more than 10 feet into the front or rear yard setbacks.
 - See Architectural Plans for building dimensions and design details.
 - The contractor shall notify the Department of Public Works / Construction Inspection Division at (410) 315-1890 at least 24 hours prior to the start of work.
 - The contractor shall notify "Miss Utility" at 1-800-257-7777 at least forty-eight (48) hours prior to any excavation work.
 - Driveways shall be provided prior to issuance of a use and occupancy permit for any new dwellings to ensure safe access for fire and emergency vehicles per the following minimum requirements:
 - a. Width - 12' (16' serving more than one residence);
 - b. Surface - 6" of compacted crusher run base with tar and chip coating (1 1/2" minimum);
 - c. Geometry - Max. 15% grade change, minimum 45 ft. turning radius;
 - d. Structures (culverts/bridges) - capable of supporting 65 gross tons (R25 loading);
 - e. Drainage Elements - capable of safely passing 100 year flood with no more than 1 ft. depth over driveway surface;
 - f. Maintenance - sufficient to ensure all weather use.
 - This site is located within the Howard County Metropolitan District. Public water and sewer connections are available for Lot 2 via Water and Sewer Contract No. 24-3103.
 - Stormwater Management for the proposed improvements on Lot 2 is provided by privately owned and maintained Rain Gardens (M-7), Permeable Paving (A-2) and Rooftop Disconnection (N-1).
 - Any damage to Public Right-of-Way or paved public roads shall be repaired immediately at the contractor's expense in accordance with the Howard County Standards and Buffer Regulations in effect at the time of submission of this Site Development Plan.
 - All fill shall be rolled to a minimum degree of compaction of 95% of the dry unit weight as determined by ASTM D 1557-02.
 - Earthwork quantities shown on this plan are estimated and should not be used for bid purposes. Contractors should perform independent earthwork analysis for bid purposes.
 - Deviations from these plans and specifications without prior written consent of the civil engineer, may cause the work to be unacceptable.
 - The dimensioned distances shall govern if scaled and dimensioned distances of this plan are found to be in disagreement.
 - This project complies with the requirements of Section 16.1200 of the Howard County Code for Forest Conservation by the payment of a fee-in-lieu of \$4,573.80 to the Forest Conservation Fund for the afforestation obligation of 0.21 acres addressed under F04-138.
 - This subdivision plan is subject to the amended Fifth Edition of the Subdivision and Land Development Regulations per Council Bill No. 45-2003 and the Zoning Regulations as amended in August, 2006. Development or construction on Lot 2 must comply with setbacks and buffer regulations in effect at the time of submission of this Site Development Plan.
 - For flag or pipeline lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipeline and road right-of-way line and not onto the pipeline lot driveway.
 - At the time of installation, all shrubs and shade trees listed herewith and approved for this site shall be of the proper height and size requirements in accordance with the Howard County Landscape Manual. In addition no substitutions or relocations of required plantings may be made without prior review and approval from the Department of Planning and Zoning. Any deviation from the approved Landscape Plan accompanying this plan may result in denial or delay in the release of the landscape surety unit such time as all required materials are planted and / or revisions are made to the applicable plans and specifications.
 - Water and sewer house connections for this lot must be installed under the Water and Sewer House connection program administered by the Bureau of Utilities at 410-313-4900.
 - The owner certifies, to the best of their knowledge, there are no historic structures or cemeteries located on Lot 2.
 - There are no wetlands, streams, their buffers, 100 year floodplain, or steep slopes (25% or greater with a contiguous on-site and off-site area greater than 20,000 square feet) located on Lot 2 (per F04-138).
 - The maintenance agreement for the shared driveway for Lot 2 and Lot 3 is recorded in Liber 9666 Folio 599.
 - Environmental Concept Plan for this lot was approved under ECP16-004.
 - The maintenance agreement for the shared driveway for Lot 2 and Lot 3 is recorded in Liber 9666 Folio 599.
 - This plan is subject to WPO-073. On June 30, 2005, the Planning Director approved the Water Request to Section 16.120.5.1 Lot Layout. Excessive Noise Levels for Residential Subdivision, which states that a Noise Study may be required in accordance with the Design Manual and where residential lots are impacted by excessive noise levels from the highway, noise mitigation shall be provided subject to the following conditions:
 - a. The Site Development Plan for Lot 2 and Lot 3 shall propose specific measures which will provide for a useable rear yard which may include but not limited to those discussed in the Noise Assessment Report (F04-138)
 - b. Building construction materials shall be used to reduce interior sound to 45dBA.



SHEET INDEX

NO.	TITLE
1	Site Development And Landscape Plan
2	Grading and Sediment Control Plan and Soils Map
3	Construction, Landscape, Sediment Control Notes & Details
4	Stormwater Management, Details And Specifications Plan

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. 19184, EXPIRATION DATE: 6/30/15.

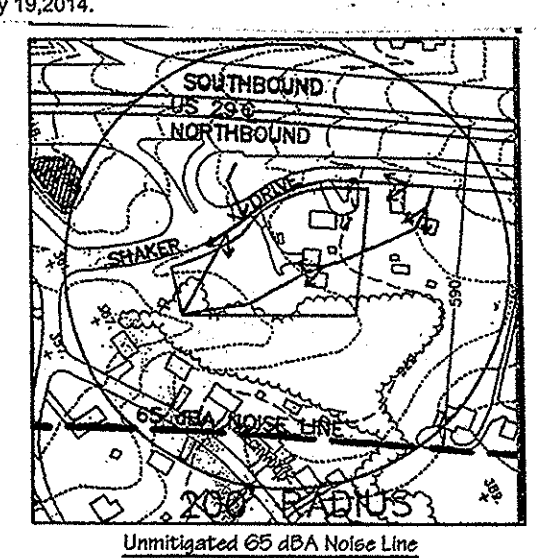
SIGNED: *Bruce D. Burton* DATE: 1/20/15
BRUCE D. BURTON

REVISIONS

No.	Date	Description
1	4/6/15	RELOCATE HOUSE, REMOVE RETAINING WALL AND FENCE



- GENERAL NOTES (CONT.)**
- Lot 2 is located within a 65dBA noise contour line drawn on this plan is advisory as required by the Howard County Design Manual, Chapter 5, revised February 1982 and cannot be considered to exactly locate the 65dBA noise exposure. The 65dBA noise line was established by Howard County to alert developers, builders and future residents that areas beyond this threshold may exceed generally accepted noise levels established by the Department of Housing and Urban Development. The Noise assessment Study and Noise Line Detail for this project was approved as part of F04-138 (Plot#17848).
 - For Driveway entrance details, refer to the Howard County Design Manual Volume IV, Standard Detail R-6.02.
 - Sewer House Connections (SHC) elevations shown are located at the property line.
 - The Open Space Fee in Lieu of \$1500 was paid under F04-138.
 - Trash and recycling collection will be provided at Shaker Drive within 5' of the county roadway.
 - This plan is subject to WP14-125. On June 4, 2014, the Planning Director approved the request to generally accepted noise levels established by the Department of Housing and Urban Development, which states that if the Department of Planning & Zoning or the reviewer indicates that additional information is needed in order to decide whether to approve the plan, the developer shall provide the information within 45 days of receiving such indication.



STORMWATER MANAGEMENT PRACTICES:

ADDRESS	PRACTICES
10548 Shaker Drive	Permeable Paving (A-2) (2) Rooftop Disconnection (N-1) (3) Rain Garden (M-7)

STORMWATER MANAGEMENT SUMMARY TABLE

PRACTICE	LOCATION	AREA TREATED	VOLUME (ESDV)
Permeable Paving (A-2)	Front Driveway	1475 sf	289 cf
Rooftop Disconnection (N-1)	Rear Rooftop	756 sf	60 cf
Rooftop Disconnection (N-1)	Front Rooftop	255 sf	20 cf
Rain Garden #1 (M-7)	Left Front House	650 sf	106 cf
Rain Garden #2 (M-7)	Right Front House	345 sf	95 cf
Rain Garden #3 (M-7)	South Lot Corner	1711 sf	213 cf
Total:		5200 sf	289 cf > 287 cf req.

DEVELOPER'S / BUILDER'S CERTIFICATION
I/We certify that the landscaping shown on this plan will be done according to the plan, Section 16.124 of the Howard County Subdivision and Land Development Regulations and the Landscape Manual. I/We further certify that upon completion, a letter notice, of accompanied by an executed One Year Guarantee of Plant Materials will be submitted to the Department of Planning and Zoning.

Thomas E. Smith 1/29/15
DEVELOPER / BUILDER DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 2-13-15
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 2-18-15
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 2/16/15
PLANNING DIRECTOR DATE

ADDRESS CHART

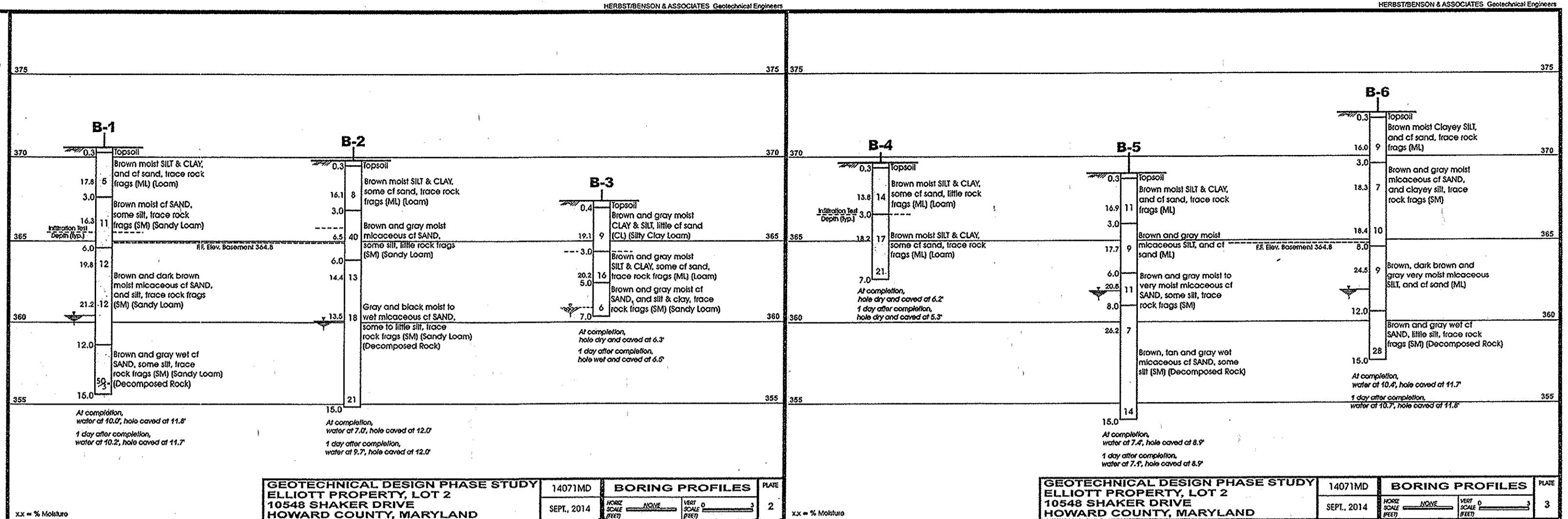
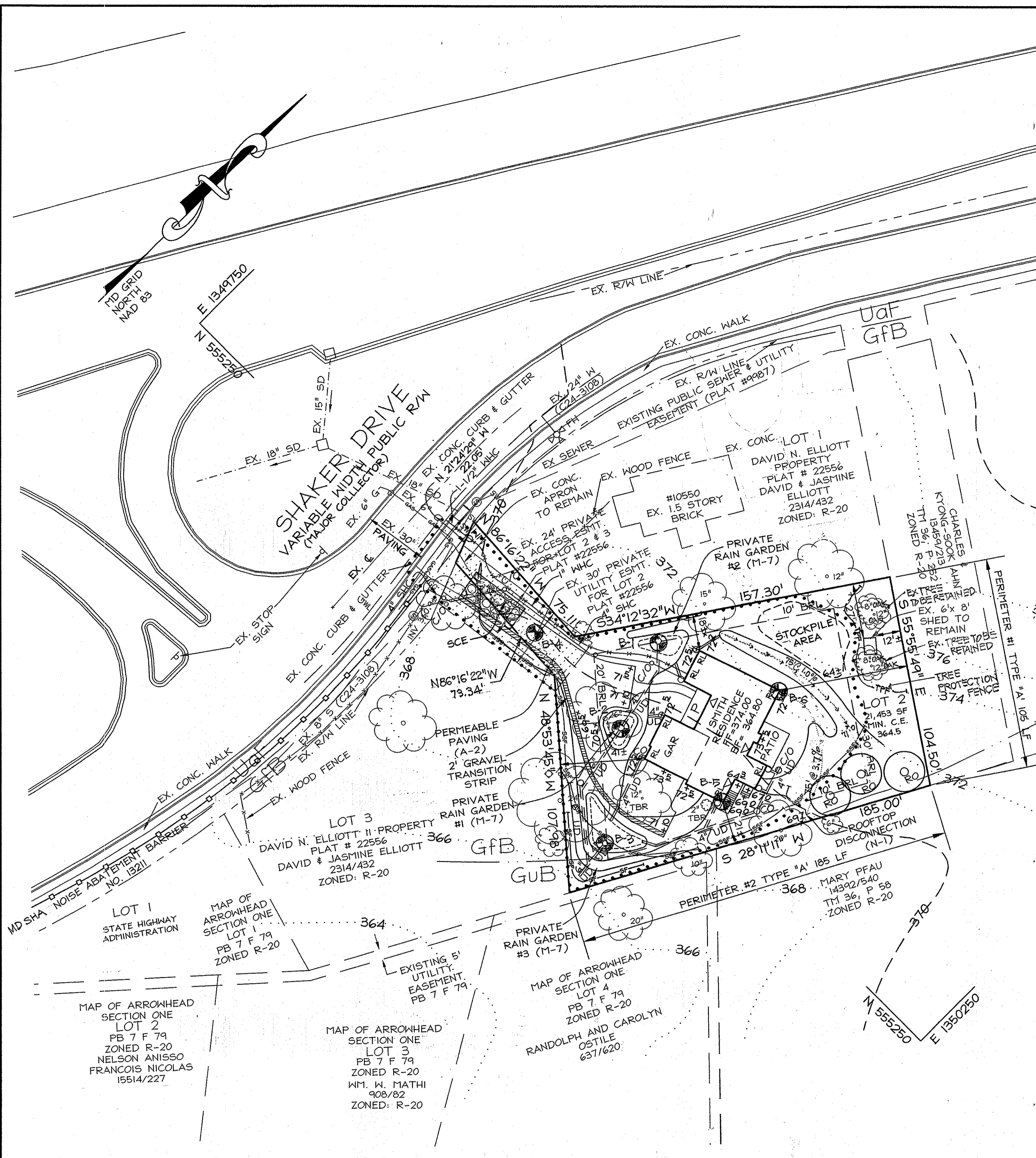
Lot No.	Street Address
2	10548 Shaker Drive

Subdivision Name: David N. Elliott II Property Section: -- Lot No. 2
Plat Ref. PLAT #22556 Grid No. 19 Zoning R-20 Tax Map No. 36 Election District 6th Census Tract 6067.01

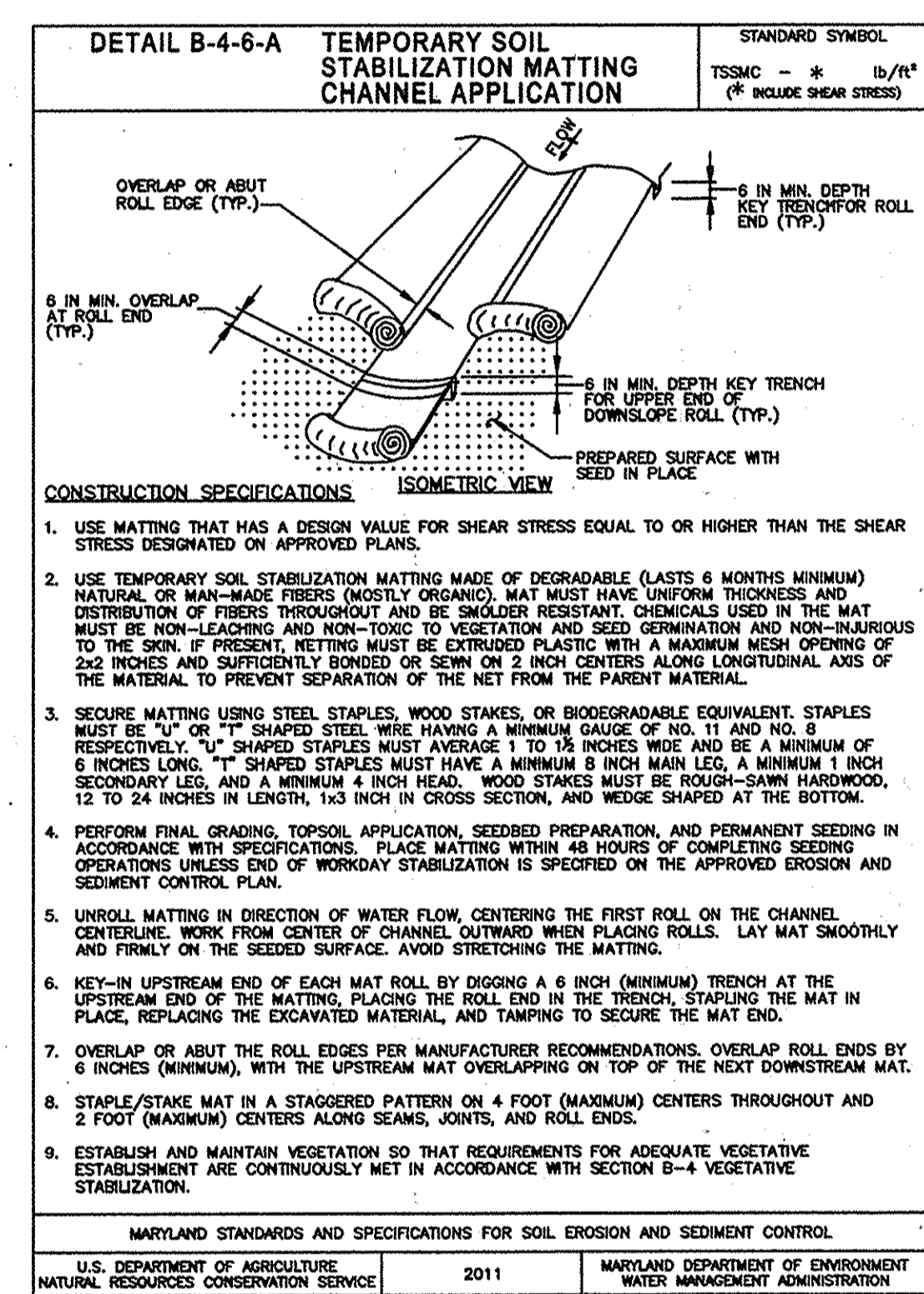
LDE Inc.
Engineers • Surveyors • Planners
Historic Carriage House • 7520 Main Street • Suite 203 • Spysville, Maryland • 21784
(410) 795-6391 • (410) 795-6392 • FAX (410) 795-9540 • www.Landsurveyormd.com

DESIGNED: B.D.B. Site Development And Landscape Plan
DRAWN: L.D.E. Residential Single Family Detached
CHECKED: B.D.B. David N. Elliott II Property
DATE: 12/2014 Lot 2
OWNER/DEVELOPER: Thomas E. & Eva May B. Smith
8221 Lexington Drive
Severn, Maryland 21144-2714
443-213-0927

SCALE: 1" = 30'
DRAWING: 1 of 4
JOB NO.: 13-002
FILE NO.: SDP 14-023

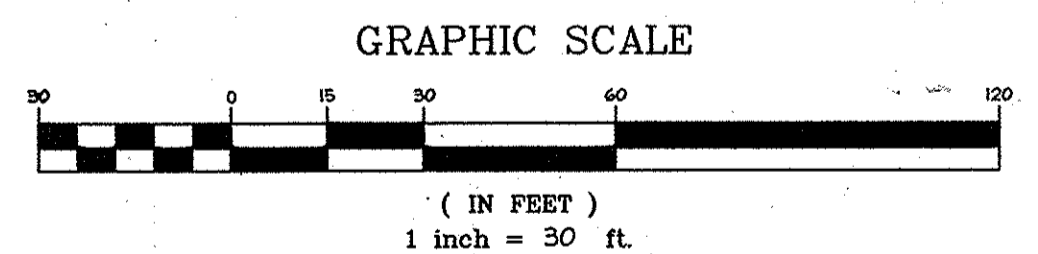


GEOLOGICAL DESIGN PHASE STUDY		BORING PROFILES	
14071MD	14071MD	14071MD	14071MD
10548 SHAKER DRIVE	10548 SHAKER DRIVE	10548 SHAKER DRIVE	10548 SHAKER DRIVE
HOWARD COUNTY, MARYLAND	HOWARD COUNTY, MARYLAND	HOWARD COUNTY, MARYLAND	HOWARD COUNTY, MARYLAND



NOTE TO CONTRACTOR:
 THIS PLAN TO BE USED FOR SEDIMENT & EROSION CONTROL INSTALLATION ONLY!!
 SEE SHEET 1 FOR HOUSE LOCATION, DRIVEWAY LOCATION, LOT GRADING ETC.!!

SOILS LEGEND		
MAP SYMBOL	SOIL GROUP NAME & DESCRIPTION	HYDROLOGIC TYPE
GfB	Gladstone-Urban Land Complex, 0% - 8% slopes	B
GuB	Glenville-Urban Land Udothents Complex, 0% - 8% slopes	C
Uaf	Udothents, Highway 0% - 65% slopes	C



APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 2-17-15
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

[Signature] 2-18-15
 CHIEF, DIVISION OF LAND DEVELOPMENT

[Signature] 2/18/15
 PLANNING DIRECTOR

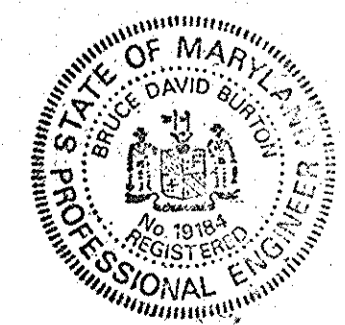
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 1/20/15
 SIGNATURE OF ENGINEER

DEVELOPER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

[Signature] 2/3/15
 SIGNATURE OF DEVELOPER



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. 19184, EXPIRATION DATE: 6/30/15.

SIGNED *[Signature]* DATE 1/20/15
 BRUCE D. BURTON

REVISIONS	
No.	Date
1	4/16/15
NOTE TO CONTRACTOR/HOUSE LOCATION ETC.	

Subdivision Name: David N. Elliott II Property		Section: --	Lot No. 2
Plat Ref. PLAT #22556	Grid No. 19	Zoning R-20	Tax Map No. 36
Election District 6th		Census Tract 6067.01	
LDE Inc.			
Engineers • Surveyors • Planners			
Historic Carriage House • 7520 Main Street • Suite 203 • Sykesville, Maryland • 21784			
(410)795-6391 • (410)795-6392 • FAX(410)795-9340 • www.Landsurveyormd.com			
DESIGNED	B.D.B.	GRADING AND SEDIMENT CONTROL PLAN AND SOILS MAP	SCALE 1" = 30'
DRAWN	L.D.E.	RESIDENTIAL SINGLE FAMILY DETACHED	DRAWING 2 of 4
CHECKED	B.D.B.	David N. Elliott II Property	JOB NO. 13-002
DATE 12/2014		Plat No. 22556	FILE NO. SDP 14-023
OWNER/DEVELOPER Thomas E. & Eva May B. Smith		Tax Map 36 Grid 19 Parcel 56	
8221 Lexington Drive		6th Election District - Howard County, Maryland	
Severn, Maryland 21144-2714		Previous Submittals: F04-138, W05-073, F14-027, W14-125	
443-215-0927			

SOIL PREPARATION, TOPSOILING AND SOIL AMENDMENTS

Definition: The process of preparing the soil to sustain adequate vegetative establishment.

Purpose: To provide a suitable soil medium for vegetative growth.

Conditions When Practices Apply: When vegetative stabilization is to be established.

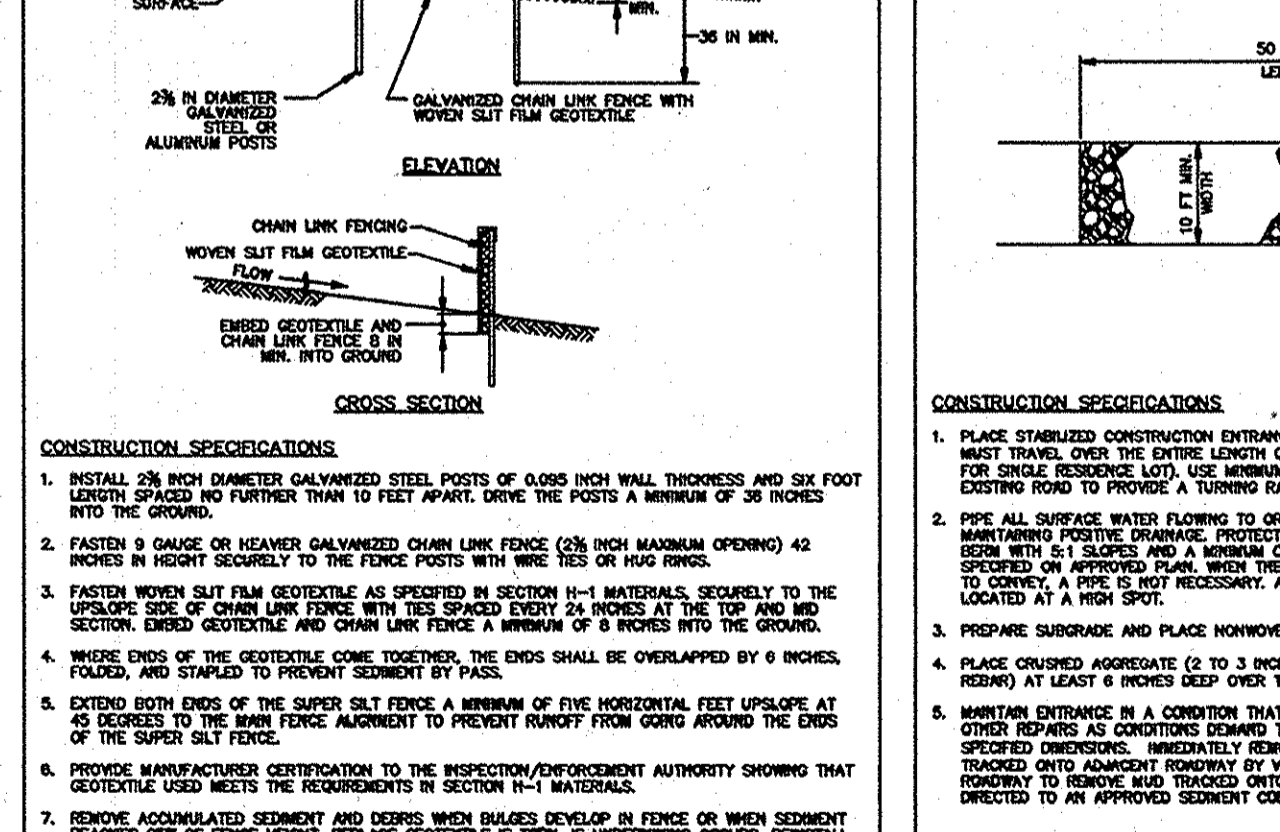
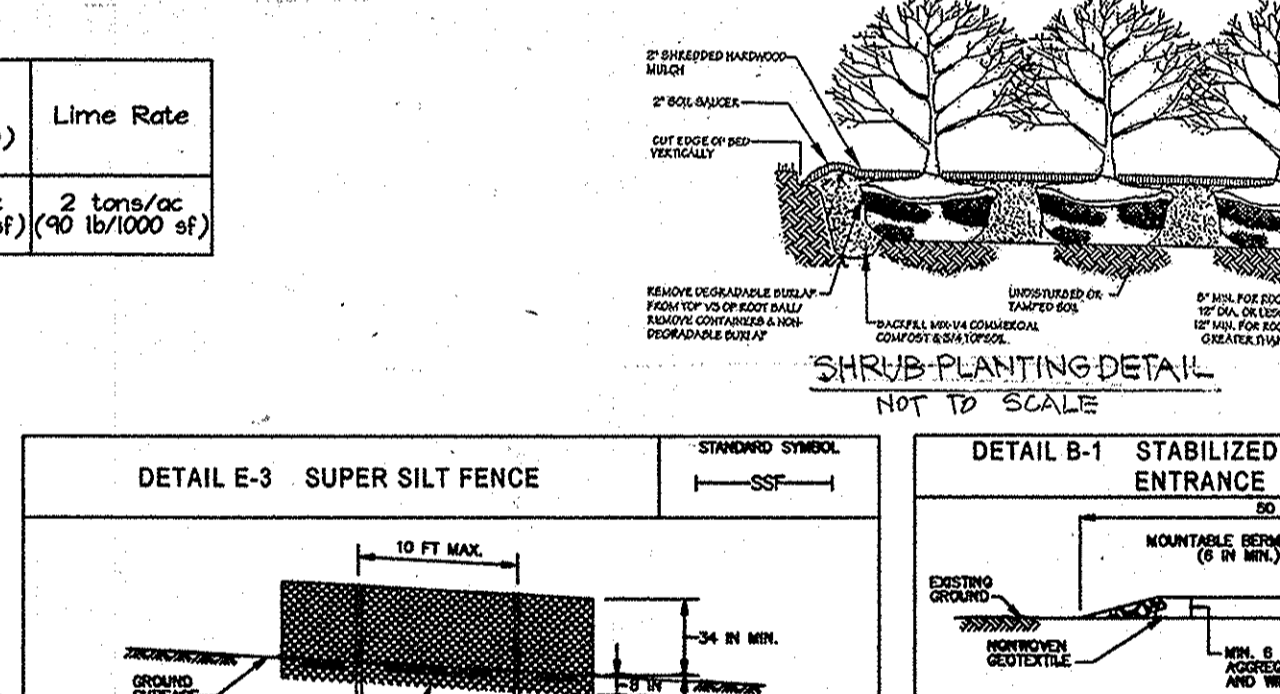
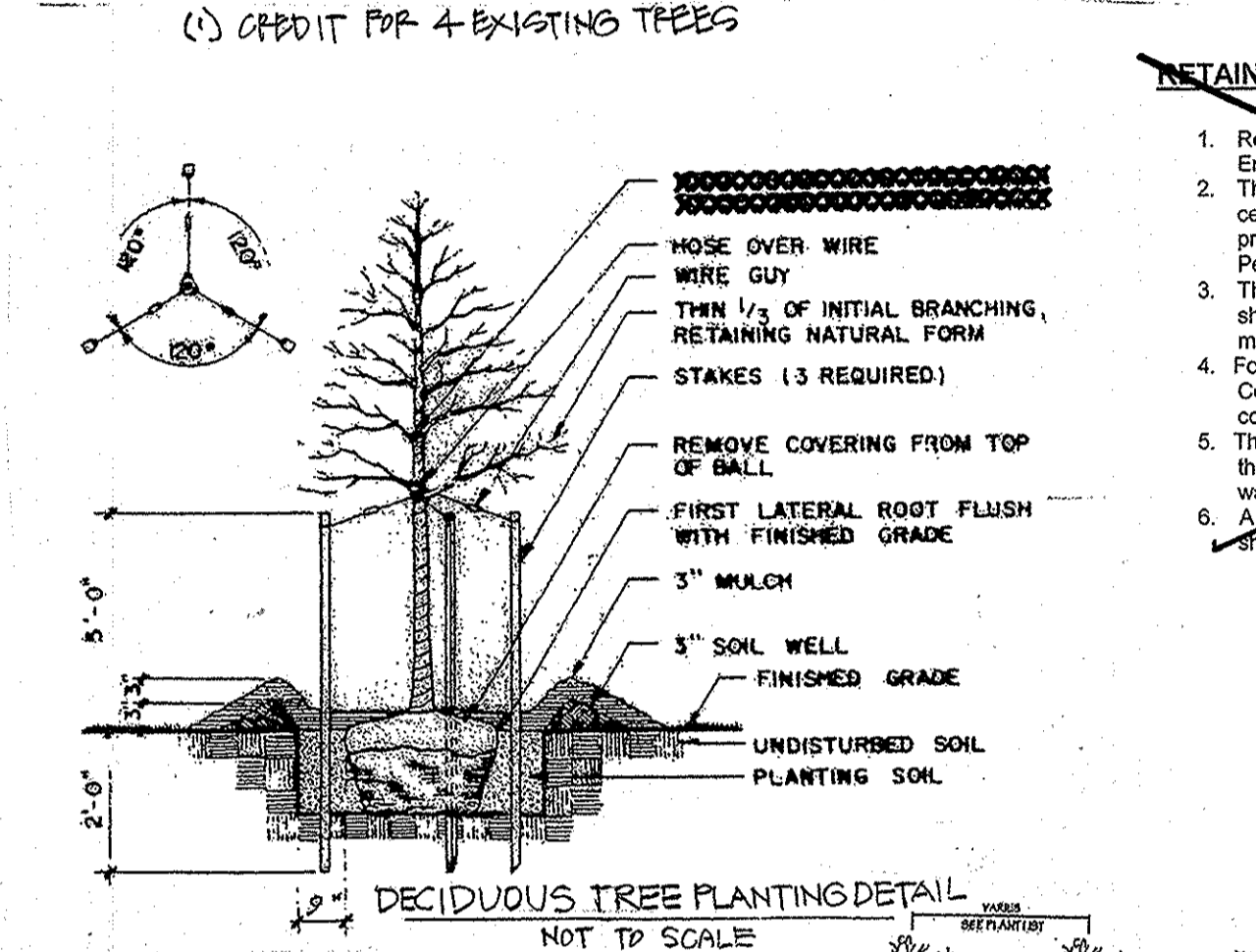
Criteria:

- Temporary Stabilization**
 - Soil preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment to provide the capacity to hold a moderate amount of moisture. After the soil is loosened, it should be smoothed with a heavy roller or similar equipment to break up clumps and to provide a firm surface for seedling establishment. Slopes 3% or flatter are to be tracked with rollers running parallel to the contour of the slope.
 - Apply fertilizer and lime as specified on the plan.
 - Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable means.
- Permanent Stabilization**
 - A soil test is required for each disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are:
 - Soil pH between 6.0 and 7.0.
 - Soluble salts less than 500 parts per million (ppm).
 - Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent #100 sieve) to provide the capacity to hold a moderate amount of moisture. An exception: If topsoil will be placed, then a study soil test (greater than 30 percent #100 sieve) will be acceptable.
 - Soil contains 1.5 percent minimum organic matter by weight.
 - Soil contains sufficient pore spaces to permit adequate root penetration.
 - Application of amendments or topsoil is required if on-site soils do not meet the above conditions.
 - Graded areas must be maintained in a true and even grade as specified on the approved plan, one month or otherwise located to a depth of 3 to 5 inches.
 - Apply soil amendments as specified on the approved plan or indicated by the results of a soil test.
 - Mix soil amendments into the top 3 to 5 inches of soil by disking or other suitable means. Roller tires used to smooth the surface, remove large clumps that restrict root penetration, and only the one for seed application. Loose surface soil by dragging with a heavy roller or similar equipment to break up clumps and to provide a firm surface for seedling establishment. This operation is to be tracked with rollers running parallel to the contour of the slope. Leave the top 1 to 2 inches of soil loose and ridge. Seeding loosening may be necessary on any disturbed area.

**HOWARD SOIL CONSERVATION DISTRICT
STANDARD SEDIMENT CONTROL NOTES**

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (DPS-105).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within:
 - 3 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3%.
 - 7 days as to all other disturbed or graded areas on the project site.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, permanent seeding (Section B-4-3), temporary seeding (Section B-4-4), and mulching (Section B-4-5). Temporary stabilization shall only be done when recommended compliance seeding dikes do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:**
 - Total Area of Site: 0.49 Acres
 - Area Disturbed: 0.12 Acres
 - Area to be vegetatively stabilized: 0.30 Acres
 - Total Cut: 500 Cu. Yds.
 - Total Fill: 500 Cu. Yds.
 - Off-site waste area location N/A
- Any sediment control practices which are disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities to be limited to three pipe lengths or that which can be back-filled and stabilized by the end of each workday, whichever is shorter.
- Any changes or relocations of construction must be reviewed and approved by the plan approval authority prior to proceeding with construction.
- A project is to be considered as that grading activities begin on one grading unit (maximum acreage of 20 ac. per grading unit) at a time. Work may proceed on a subsequent grading unit when at least 50 percent of the disturbed area in the preceding grading unit has been stabilized and approved by the enforcement authority. Unless otherwise specified and approved by the approval authority, no more than 30 acres cumulatively may be disturbed at a given time.

Category	Perimeter #1	Perimeter #2
Landscape Type	A	A
Linear Feet of Roadway Frontage/Perimeter	105 LF	185 LF
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	125 LF	NO
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	NO	NO
Number of Plants Required (1:100 LF)		
Shade Trees	1:1	1:1
Evergreen Trees	1:1	1:1
Shrubs	1:1	1:1
Number of Plants Provided		
Shade Trees	1:1	1:1
Evergreen Trees	1:1	1:1
Other Trees (2:1 substitution)	1:1	1:1
Shrubs (10:1 substitution)	1:1	1:1
(Describe plant substitution credits below if needed)		



CONSTRUCTION SPECIFICATIONS

- USE WOOD POSTS 1 1/2 x 1 1/2 x 8 ft HIGH (MINIMUM) SQUARE CUT SOUND QUALITY HARDWOOD, AS SPECIFIED IN THE PERMITS. INSTALL "T" OR "U" SECTION STEEL POSTS WITH NO LESS THAN 1 POUND PER LINEAR FOOT.
- USE 36 INCH MINIMUM POSTS DRIVEN 18 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
- USE WOVEN SILT FENCE GEOTEXTILES AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILES TO THE WOOD POSTS WITH WIRE TIES OR STAPLES AT TOP AND BOTTOM.
- DRIVE GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF GEOTEXTILE.
- EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPLOPE AT 45 DEGREES TO THE WASH FENCE ALIGNMENT TO PREVENT RUNOFF FROM COMING AROUND THE ENDS OF THE SILT FENCE.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT ACCUMULATED BEHIND FENCE. REPLACE GEOTEXTILE IF TORN, IF UNDERMINING OCCURS, OR IF FENCE IS DAMAGED.

ENGINEER'S CERTIFICATE

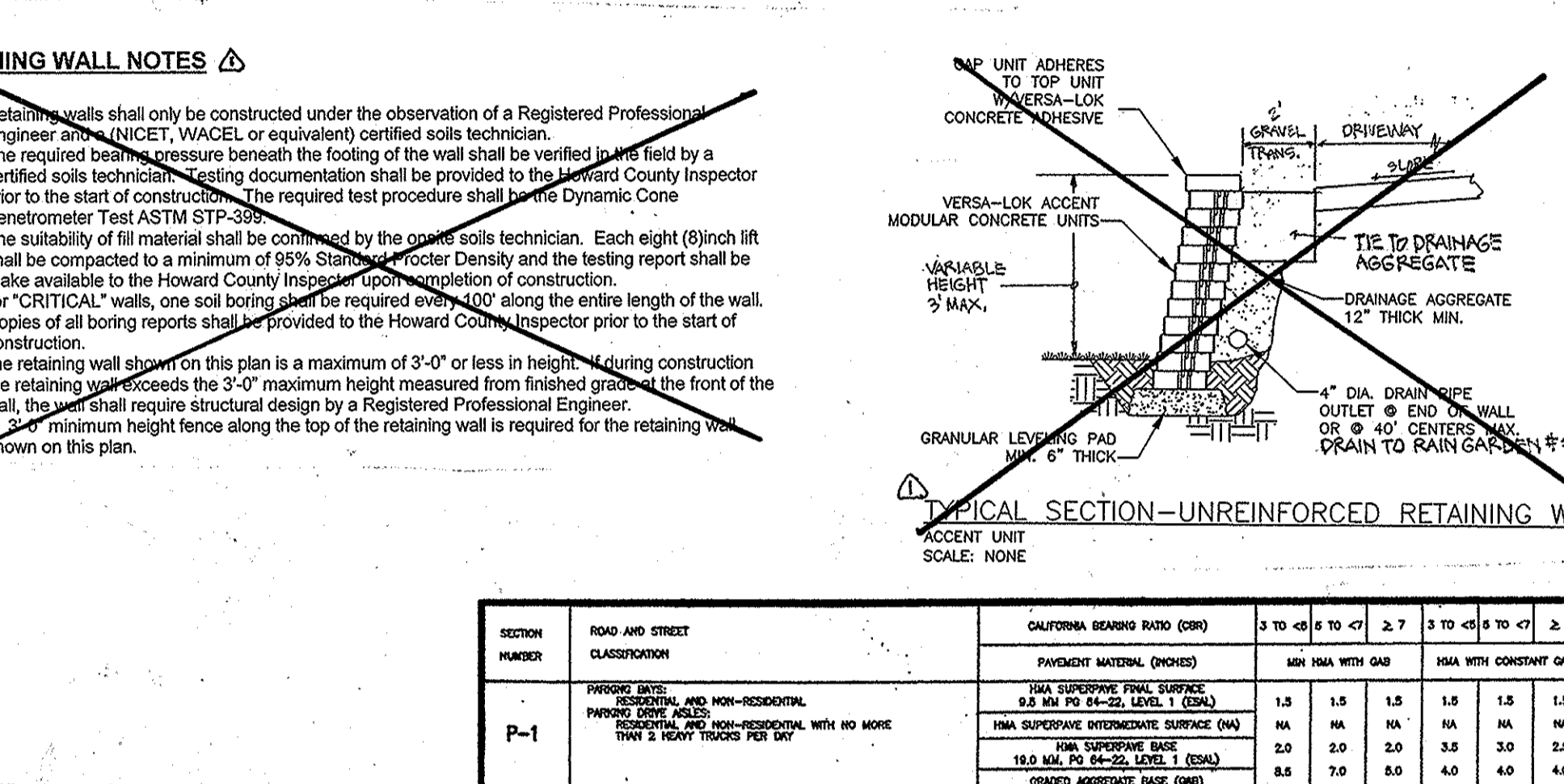
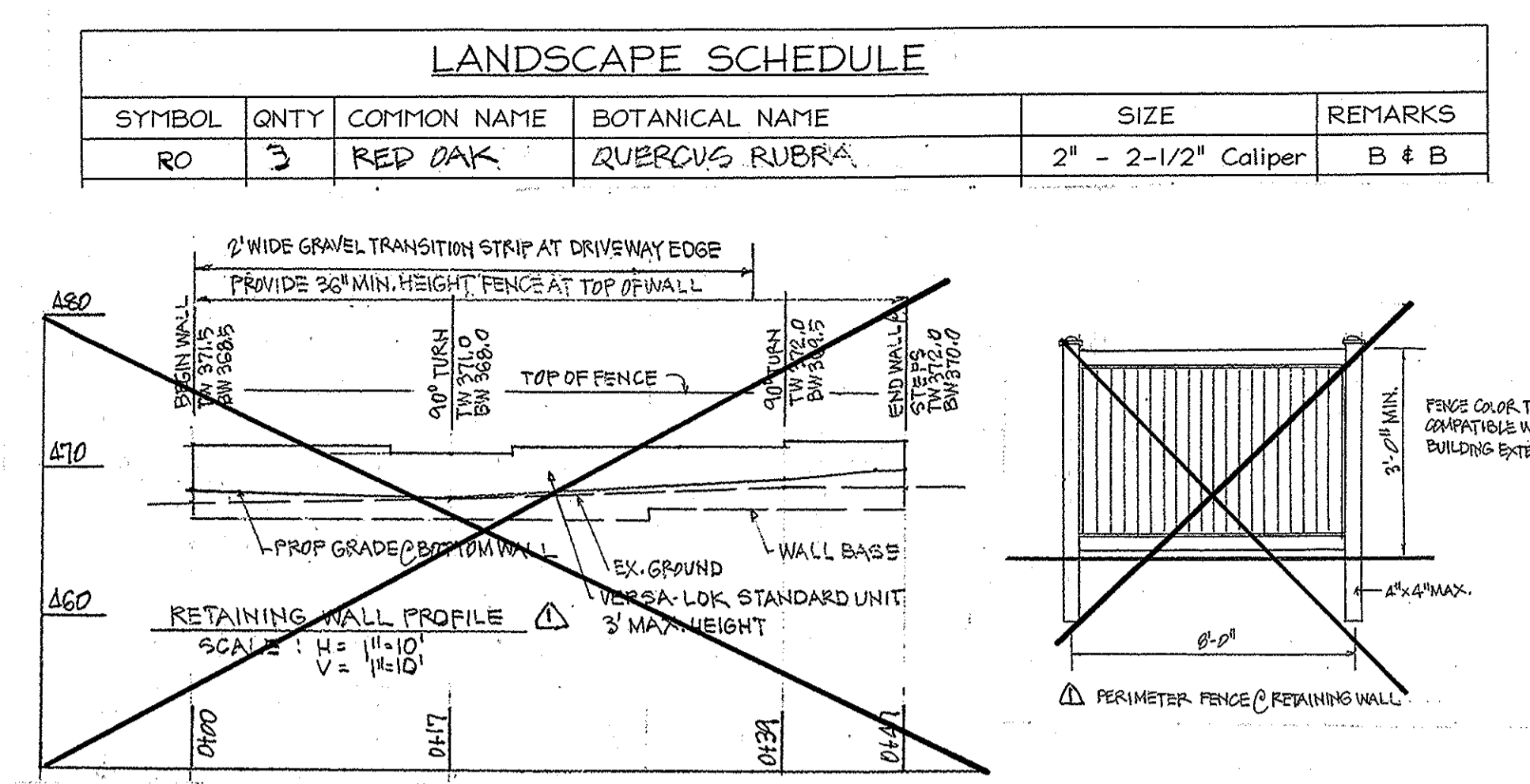
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SEDIMENT CONTROL DISTRICT.

BRUCE D. BURTON 1/20/15
SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEGINS THE PROJECT. I ALSO AUTHORIZE REVISIONS ONLY BY THOSE INDICATED BY THE HOWARD COUNTY SEDIMENT CONTROL DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

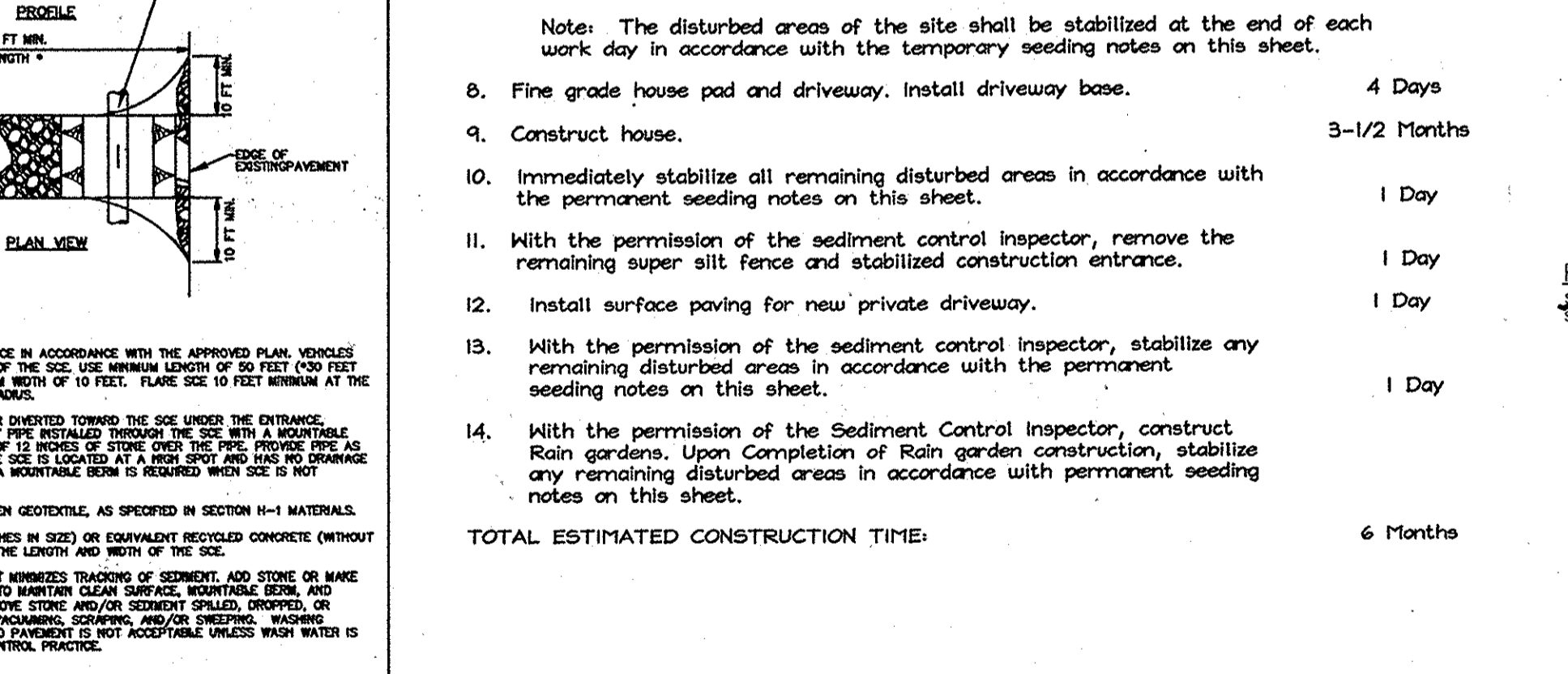
John R. Robertson 2/3/15
SIGNATURE OF DEVELOPER DATE



SEQUENCE OF CONSTRUCTION

- Obtain grading permit. 1 Day
- Notify the Howard County Department of Public Works/ Construction Inspection Division at 410-313-1880 at least 24 hours prior to the start of work. 1 Day
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work being done. 1 Day
- Install stabilized construction entrance and super silt fence in accordance with the approved grading and sediment control plan. 1 Day
- Obtain permission from the sediment control inspector to proceed. 1 Day
- Clear and grub the individual trees shown to be removed on the approved grading plan. Rough grade for proposed driveway and house. 3 Days
- Install private water and sewer house connections. 3 Days
- Note: The disturbed areas of the site shall be stabilized at the end of each work day in accordance with the temporary seeding notes on this sheet.
- Fine grade house pad and driveway. Install driveway base. 4 Days
- Construct house. 3-1/2 Months
- Immediately stabilize all remaining disturbed areas in accordance with the permanent seeding notes on this sheet. 1 Day
- With the permission of the sediment control inspector, remove the remaining super silt fence and stabilized construction entrance. 1 Day
- Install surface paving for new private driveway. 1 Day
- With the permission of the sediment control inspector, stabilize any remaining disturbed areas in accordance with the permanent seeding notes on this sheet. 1 Day

TOTAL ESTIMATED CONSTRUCTION TIME: 6 Months



REVISIONS

No.	Date	Description
1	4/16/15	REMOVE RETAINING WALL, FENCE NOTES AND DETAILS

APPROVED: DEPARTMENT OF PLANNING AND ZONING

John R. Robertson 2/3/15
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

John R. Robertson 2/3/15
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

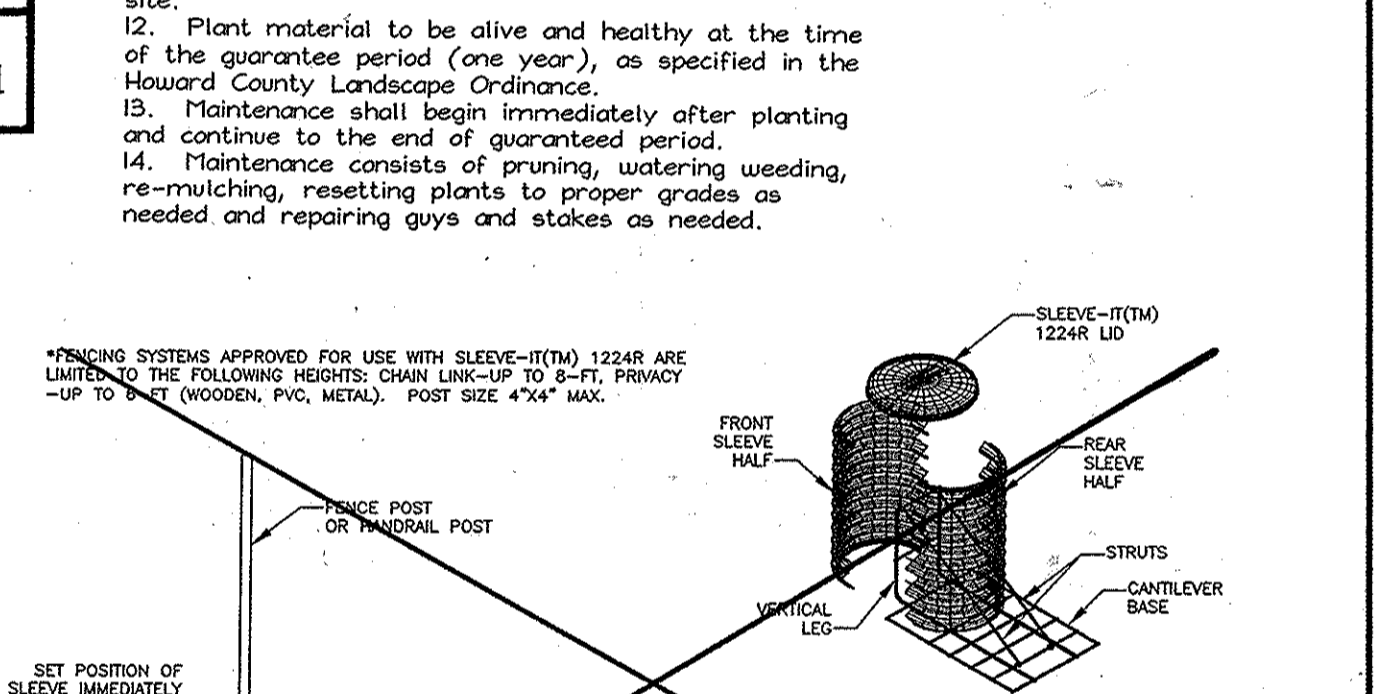
Thomas E. A. Eya 2/3/15
PLANNING DIRECTOR DATE

NOTES

- This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and Landscape Manual.
- The Owner/Developer is responsible for the planting of all plant material required to meet the standards established by the Howard County Landscape Manual.
- The Landscape surety of \$ 900,000 will be posted with the Grading Permit for this lot.
- 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.
- 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 material shall be maintained in good growing condition, and when necessary, replace 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 and replaced.
- At the time of installation, all shrubs and other plantings hereafter listed and approved for this site, shall be of the proper height requirements in accordance with the Howard County Landscaping 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 revision made to applicable plans and certificates.

TREE PLANTING NOTES

- Notify "Miss Utility" 72 hours prior to installation of all plant material.
- Plant installation must conform to the minimum standards cited in the latest edition of Landscape Specification Guidelines, published by the Landscape Contractors Association.
- Plants to be located in the field by the owner or owner's representative. Notify owner 72 hours in advance of planting.
- A certification of Landscape Installation is required for the Howard County Landscape Ordinance.
- The number, size, location of plants shall not be changed without the approval of the Landscape Architect. Substitutions must be included in the recommended plant list in the Howard County Landscape Ordinance.
- Trees may not be planted within 5 feet of drain inlets, 5 feet of the edge of the proper height requirements in accordance with the Howard County Landscaping Manual.
- Balled and burlapped plant material shall not be accepted if ball is cracked or broken before or during planting. Protect all plants from drying by either sun or wind.
- Tree pits shall be backfilled with 50% topsoil, 25% peat moss and one pound of 10-10-10 fertilizer per pit.
- Top soil shall be sandy loam soil free from noxious weeds or grasses, roots, clay clumps, staves, sticks, etc. Peat moss shall be commercial with pH 4.5 to 5.5, free of woody material or harmful minerals.
- All plants shall be watered at planting with weekly watering thereafter for the first 80 days. Watering shall continue bi-monthly or as necessary to maintain plants in a healthy condition during the guarantee period.
- Maintain the site in an orderly manner. Streets and sidewalks shall be swept clean. All rejected or dead materials shall be immediately removed from the site.
- Plant material to be alive and healthy at the time of the guarantee period (one year), as specified in the Howard County Landscape Ordinance.
- Maintenance shall begin immediately after planting and continue to the end of guarantee period.
- Maintenance consists of pruning, watering, weeding, re-mulching, resetting plants to proper grade, as needed and repairing guys and stakes as needed.



DEVELOPER'S / BUILDER'S CERTIFICATION

I CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE LANDSCAPE MANUAL. I FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF NOTICE, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, AND A COPY OF THIS PLAN WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

David N. Elliott II 1/29/15
SIGNATURE OF DEVELOPER/BUILDER DATE

Subdivision Name: David N. Elliott II Property

Section: -- **Lot No.:** 2

Plat Ref.	Grid No.	Zoning	Tax Map No.	Election District	Census Tract
PLAT #22556	19	R-20	36	6th	6067.01

LDE Inc.
Engineers • Surveyors • Planners
Historic Carriage House • 7520 Main Street • Suite 203 • Sykesville, Maryland • 21784
(410)795-6391 • (410)795-6392 • FAX(410)795-9340 • www.LandSurveyorMD.com

DESIGNED	SCALE
B.D.B.	AS NOTED

DRAWN	DRAWING
L.D.E.	3 of 4

CHECKED	JOB NO.
B.D.B.	13-002

DATE	FILE NO.
12/2014	SDP 14-023

OWNER/DEVELOPER: Thomas E. A. Eya, Eva May B. Smith
8221 Lexington Drive
Severn, Maryland 21144-2714
443-213-0927

