

**DEVELOPER'S/BUILDER'S CERTIFICATE**

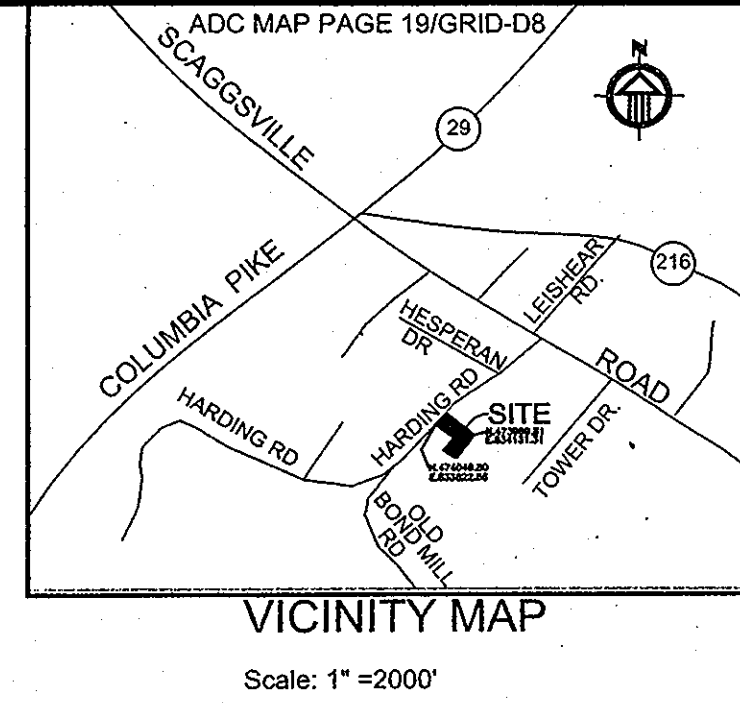
I/We certify that the landscaping shown on this plan will be done according to the plan. Section 16.124 of the Howard County Subdivision and Land Development Regulations and the Landscape Manual. I/We further certify that upon completion, a letter of notice, accompanied by an executed one year guarantee of plant materials, will be submitted to the Department of Planning and Zoning.

*Raul Delgado*  
Developer/Builder

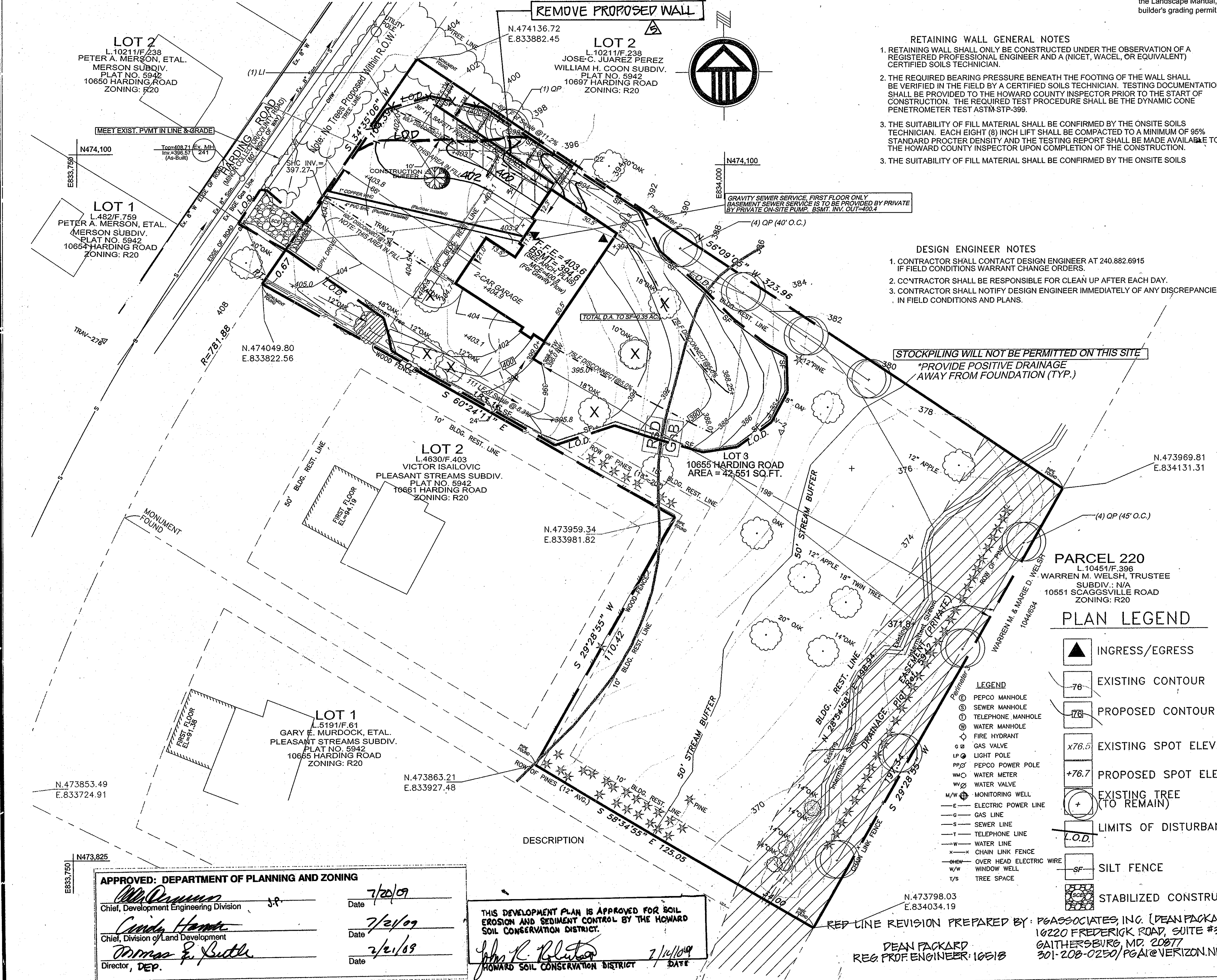
7/8/09  
Date

**LANDSCAPE NOTES**

- The owner, tenant and/or their agents shall be responsible for maintenance of the required landscaping, plant materials, berms and 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, repaired or replaced.
- No clearing of existing vegetation is permitted within the landscape edge for which credit is being taken; however, landscape maintenance is authorized.
- At the time of installation, all trees and shrubs herewith listed 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.
- This plan was prepared in accordance with Section 16.124 of the Howard County Code and the Landscape Manual, requiring 5 shade trees in the amount of \$1,000 to be provided with the builder's grading permit application or the DPW Developer's Agreement.

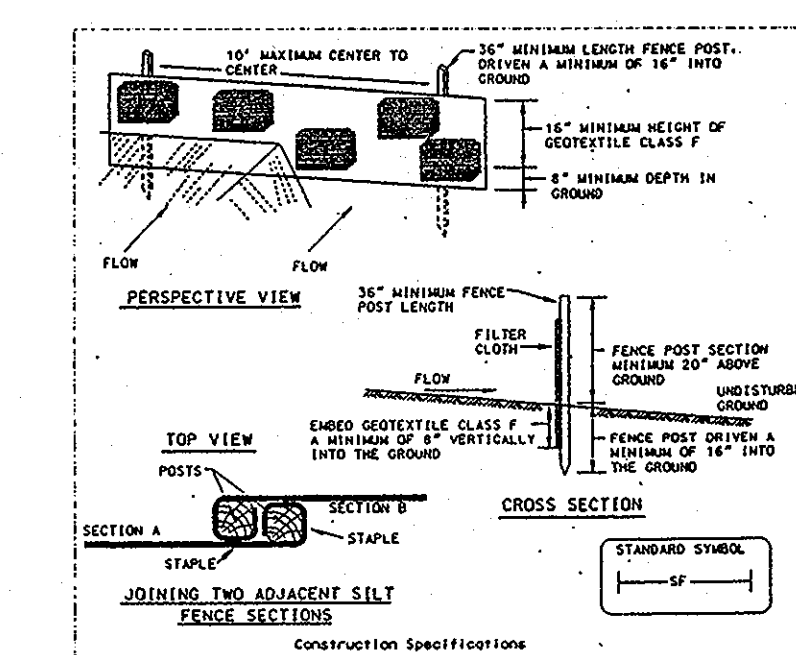


NO.	REVISION	DATE
1	REMOVE WALL, REVISE GRADING	6/17/09
2	REVISED PLAN PER HOWARD CO. DPZ 7/6/09	7/6/09
3	REVISED PLAN PER HOWARD CO. DPZ 12/18/08	12/18/08
4	REVISED PLAN PER HOWARD CO. DPZ 10/16/08	10/16/08



- RETAINING WALL GENERAL NOTES**
- RETAINING WALL SHALL ONLY BE CONSTRUCTED UNDER THE OBSERVATION OF A REGISTERED PROFESSIONAL ENGINEER AND A (NICET, WACEL, OR EQUIVALENT) CERTIFIED SOILS TECHNICIAN.
  - THE REQUIRED BEARING PRESSURE BENEATH THE FOOTING OF THE WALL SHALL BE VERIFIED IN THE FIELD BY A CERTIFIED SOILS TECHNICIAN. TESTING DOCUMENTATION SHALL BE PROVIDED TO THE HOWARD COUNTY INSPECTOR PRIOR TO THE START OF CONSTRUCTION. THE REQUIRED TEST PROCEDURE SHALL BE THE DYNAMIC CONE PENETROMETER TEST ASTM D1586.
  - THE SUITABILITY OF FILL MATERIAL SHALL BE CONFIRMED BY THE ONSITE SOILS TECHNICIAN. EACH EIGHT (8) INCH LIFT SHALL BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY AND THE TESTING REPORT SHALL BE MADE AVAILABLE TO THE HOWARD COUNTY INSPECTOR UPON COMPLETION OF THE CONSTRUCTION.
  - THE SUITABILITY OF FILL MATERIAL SHALL BE CONFIRMED BY THE ONSITE SOILS

- DESIGN ENGINEER NOTES**
- CONTRACTOR SHALL CONTACT DESIGN ENGINEER AT 240.882.6915 IF FIELD CONDITIONS WARRANT CHANGE ORDERS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP AFTER EACH DAY.
  - CONTRACTOR SHALL NOTIFY DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES IN FIELD CONDITIONS AND PLANS.



- SEQUENCE OF CONSTRUCTION**
- CONTRACTOR SHALL OBTAIN AND HAVE ON-SITE COPIES OF ALL APPLICABLE FEDERAL, STATE, AND LOCAL PERMITS. (Day 1)
  - FLAG LIMITS OF DISTURBANCE (L.O.D.) FOR ENTIRE SITE. (Day 2)
  - SCHEDULE PRE-CONSTRUCTION MTG. BY CALLING HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION, A MINIMUM OF 48HRS IN ADVANCE AT 410.313.1855 PRIOR TO BEGINNING WORK. (Day 2-3)
  - CLEAR AND GRUB AS NECESSARY TO INSTALL PERIMETER SEDIMENT CONTROLS. (Day 3-5)
  - INSTALL STABILIZED CONSTRUCTION ENTRANCE (Day 6)
  - INSTALL SILT FENCE AS INDICATED PER PLAN. (Day 6-9)
  - INSTALL WATER AND SEWER HOUSE CONNECTIONS (Day 8-11)
  - CONSTRUCT HOUSE AND DRIVEWAY (Day 12-21)
  - PROVIDE PERMANENT STABILIZATION OF ALL DISTURBED AREAS PER SEEDING SCHEDULE. (Day 21-213)
  - PROVIDE PERMANENT SEEDING PER SEEDING SCHEDULE. (Day 213-215)
  - UPON APPROVAL FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROLS. (Day 215-218)

**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 construction (213-215).
- All retention and structural practices are to be installed according to the provisions of this plan and are to be constructed with the most current MARYLAND STANDARD SPECIFICATIONS FOR SOIL, SEDIMENT AND EROSION CONTROL, and related sections.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within 17 business days for all permanent structural practices, silt fences, perimeter ditches and all slopes greater than 3:1. If 14 days or less to 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 1994 MARYLAND STANDARD SPECIFICATIONS FOR SOIL, SEDIMENT AND EROSION CONTROL, and related sections. Temporary stabilization with mulch shall only be used when recommended seeding data is not available for proper germination and seed retention.
- All sediment control structures are to remain in place and use to be maintained in operating condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.

**PERMANENT SEEDING NOTES**

Apply to graded or cleared areas not subject to immediate further disturbance where long-term vegetative cover is desired.

Soil Preparation: Loosen upper three inches of soil by tilling, disking or other acceptable means before seeding if not previously loosened.

Soil Amendment: In lieu of soil test recommendations, use one of the following:

- Perennial - Apply 2 tons/acre dolomitic limestone (20 lbs/1000 sq. ft.) plus 600 lbs/acre 10-10-10 fertilizer (15 lbs/1000 sq. ft.) before seeding. Harvest or disk three inches of soil after seeding; apply 400 lbs/acre 30-0-0 urea-formaldehyde (9 lbs/1000 sq. ft.).
- Annuals - Apply 1 ton/acre dolomitic limestone (20 lbs/1000 sq. ft.) plus 1000 lbs/acre 10-10-10 fertilizer (20 lbs/1000 sq. ft.) before seeding. Harvest or disk three inches of soil after seeding; apply 400 lbs/acre 30-0-0 urea-formaldehyde (9 lbs/1000 sq. ft.).

Seeding - For perennials March 1 - April 30 and August 1 - October 15, seed with 50 lbs/acre (14 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue for the period May 1 - July 31, seed with 50 lbs/acre Kentucky 31 Tall Fescue per acre and 2 lbs/acre (0.5 lbs/1000 sq. ft.) of creeping legume. During the period of October 16 - February 28, seed with 50 lbs/acre Kentucky 31 Tall Fescue per acre and 2 lbs/acre (0.5 lbs/1000 sq. ft.) of creeping legume. During the period of October 16 - February 28, seed with 50 lbs/acre Kentucky 31 Tall Fescue per acre and 2 lbs/acre (0.5 lbs/1000 sq. ft.) of creeping legume.

Mulching - Apply 1-2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of mulch wood-chip mulch immediately after seeding. Another mulch immediately after application using mulch matting tool or 216 gal/acre per acre (2 gal/1000 sq. ft.) of mulch matting tool on flat areas. On slope 1:1 or higher, use 3 gal/acre per acre (3 gal/1000 sq. ft.) for anchoring.

Maintenance - Inspect all seeding areas and make needed repairs, replacements and reseedings.

**ENGINEER'S 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. 11973, Expiration Date: 5-10-2010.

*Raul Delgado*  
Professional Engineer

**DEVELOPER'S CERTIFICATE**

"We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certified 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 inspection by the Howard County Sediment Control Inspector."

*Raul Delgado*  
Signature of Developer (print name below signature)

**CLIENT**  
RAUL AND JANET DELGADO  
15720 COLUMBIA PIKE  
BURTONSVILLE, MARYLAND 20866

**PROJECT TITLE**  
DELGADO PROPERTY (PLEASANT STREAMS, LOT 3)  
PLAT NO. 5942  
TAX MAP 46.6P1 - 16, PARCEL 161  
SINGLE FAMILY DETACHED DWELLING

**FILE**  
C:\28-0225\DWG

**DATE**  
July 6, 2009

**SCALE**  
1"=20'

**PLAN NUMBER**  
2 of 3

**APPROVED: DEPARTMENT OF PLANNING AND ZONING**

*W. DeWitt*  
Chief, Development Engineering Division  
Date: 7/20/09

*Cinda Hanna*  
Chief, Division of Land Development  
Date: 7/21/09

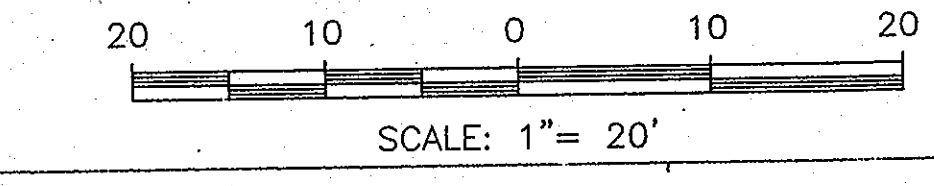
*Thomas E. Buttle*  
Director, DEP.  
Date: 7/21/09

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

*John R. Blanton*  
HOWARD COUNTY SOIL CONSERVATION DISTRICT  
DATE: 7/14/09

REP LINE REVISION PREPARED BY: P&A ASSOCIATES, INC. (DEAN PACKARD PE)  
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GAITHERSBURG, MD, 20877  
301-208-0250 P&A@VERIZON.NET

DEAN PACKARD  
REG. PROF. ENGINEER: 10518



SDP-09-015



