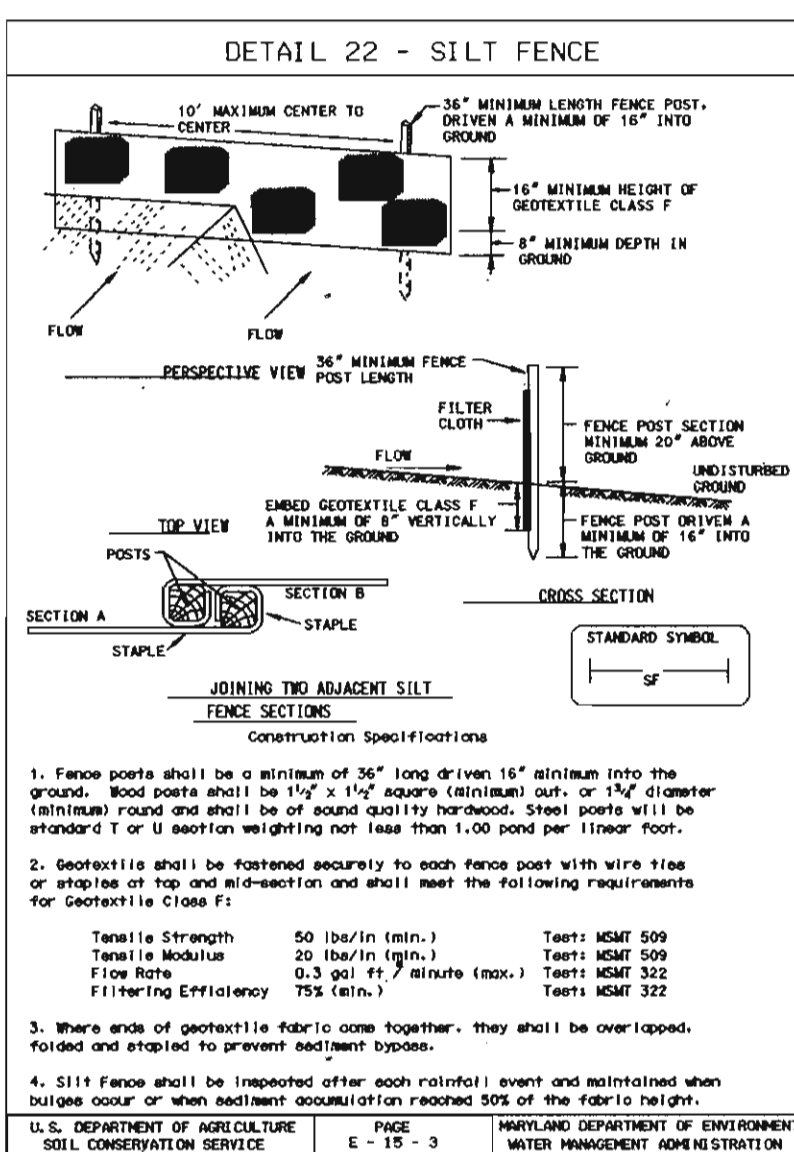
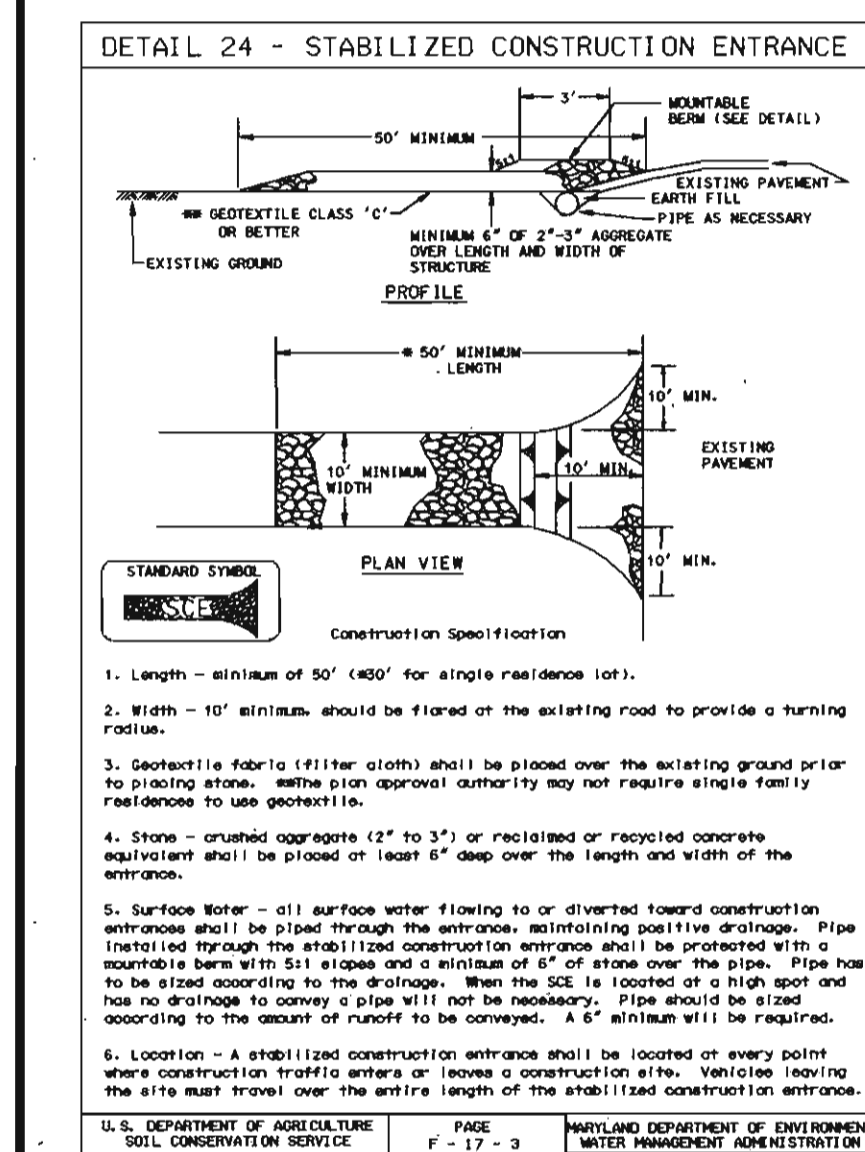


SANITARY CONNECTION PROFILE

HORIZ. 1" = 20'
VERT. 1" = 2'



BY THE DEVELOPER
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN 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.

William J. Shuman 5-4-04
DEVELOPER DATE

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

John R. Robertson 5/4/04
ENGINEER DATE

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS
John R. Robertson 5/6/04
DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
John R. Robertson 5/6/04
DATE

CHEF, DEVELOPMENT ENGINEERING DIVISION 5/7/04
Chris Hammit DATE

CHEF, DIVISION OF LAND DEVELOPMENT 5/1/04
Mark J. Joyce DATE

DIRECTOR 5/11/04
Mark J. Joyce DATE

SITE ANALYSIS NOTES :

- Total Area of Lot : 10,146 SF or 0.234 AC +/-
- Purpose of this SDP: Single-Family Detached House
- Owner/Developer : Horizons Unlimited Home Improvements, Inc. 7387 Washington Boulevard, Suite 104 Elkhart, MD 21075
- Required Setbacks : Front: 50' Side: 10' Rear: 30'
- Open Space : N/A
- Trash Collection is Public.
- Disturbed Area : 4,969 SF or 0.11 AC +/-
- Previous Files: None on file
- Site is exempt from Forest Conservation in accordance with Section 16.202(b)(10) of the Howard County Code.
- Landscaping for Parcel is shown hereon to complement existing vegetation by planting 1 deciduous trees and 6 privacy fences.
- The subject property is zoned R-20 per the Feb. 2, 2004 of the Amended Zoning Regulations, per Council Bill 75-2003
- In accordance with Section 128 of the Howard County Zoning Regulations, bay windows, chimneys or exterior stalks not more than 16 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 setback.
- Driveways shall be provided prior to issuance of a use and occupancy permit for any new dwelling to insure safe access for fire and emergency vehicles per the following minimum requirements: a. Width 12' minimum single driveway b. Surface: 6" of compacted crusher run base w/ tar and chip coating (1 1/2" min.) c. Geometry: Max. 15% grade, max. 10% grade change and min. 45' turning radius d. Structures: 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. Maintenance: sufficient to insure all weather use
- 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 The Start Of Work.
- The Contractor Shall Notify The Utility At 1-800-257-7777 At Least 48 Hours Prior To Any Excavation Work Being Done.
- A Boundary Survey Was Performed By Brian Dietz May, 2003 Existing Topography is Taken From Field Run Survey With One Foot Contour Intervals Prepared By Brian Dietz, Dated 11/20/03.
- The Coordinates Shown Hereon Are Based Upon The Howard County Geodetic Control Which Is Based Upon The Maryland State Plan Coordinate System. Howard County Monuments Nos. 3804 & 3763 Were Used For The Project.
- In Accordance With The Howard County Design Manual, Volume I, Section 5.1.2.B.2, This Project Is Exempt From Providing Stormwater Management since the SDP Disturbs Less Than 5,000 Square Feet.
- Any Damage To The County's Right-Of-Way Shall Be Corrected At The Developer's Expense.
- SHC Elevations Shown Are Located At The Property Line.
- For Driveway Entrance Details Refer To The Howard County Design Manual, Volume IV, Standard Detail R-6.06.
- Subject parcel was determined to be a buildable lot as determined by the Division of Public Service and Zoning Administration letter dated April 30, 2003.

DEVELOPER'S/BUILDERS 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 CODE AND THE HOWARD COUNTY LANDSCAPE INSTALLATION ACCOMPANIED BY AND EXCLUDED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

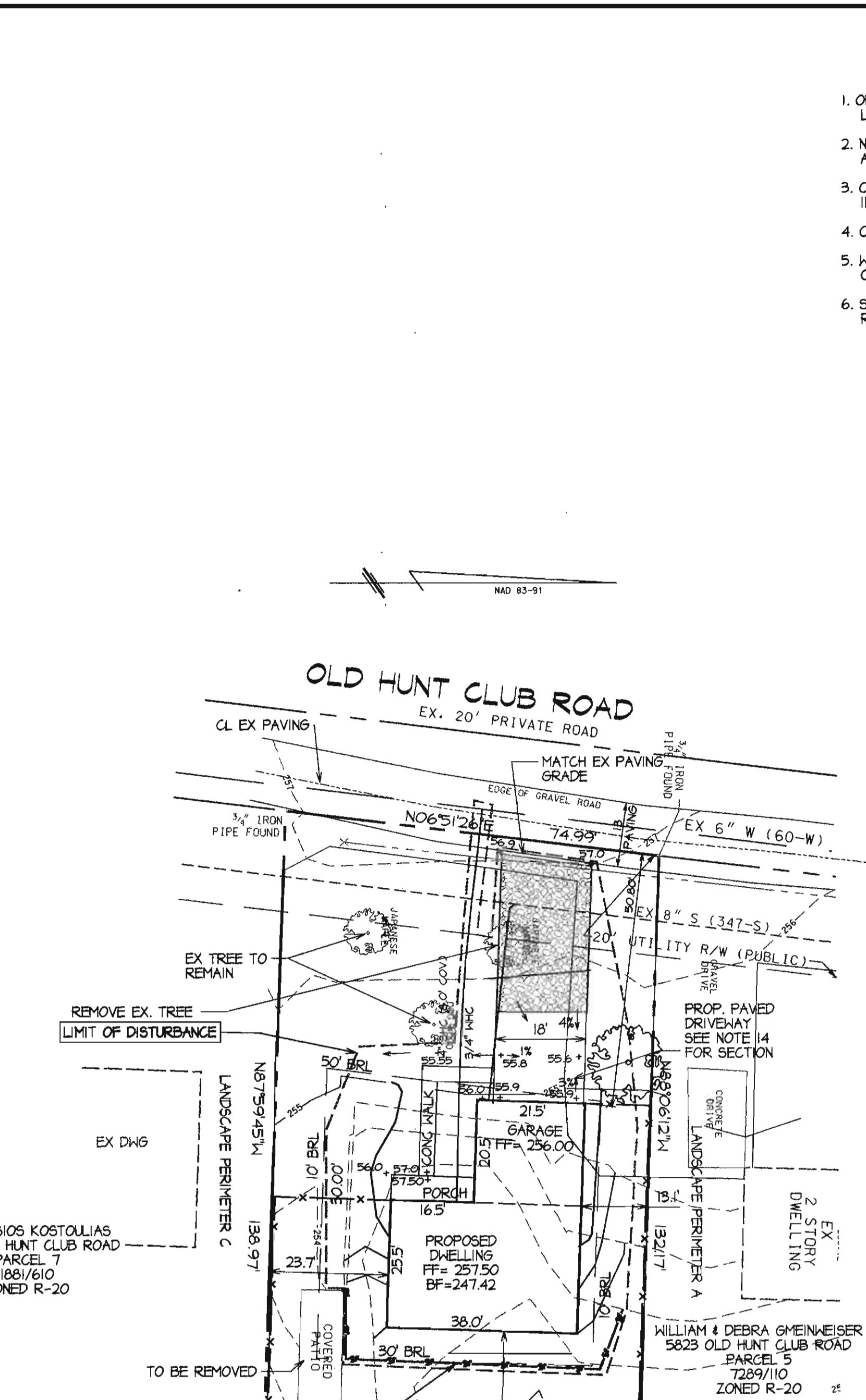
William J. Shuman 5-4-04
NAME DATE

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.

THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERRMS, 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.

25. Financial surety for the required landscaping will be posted as part of the grading permit in the amount of \$2,490.00. This surety is based on 1 shade tree at \$500.00 each and 29 (29) of privacy fence @ \$10.00 per foot.

26. A 6' high privacy fence to be installed on both sides and along the rear of the site. The 6' high privacy fence cannot be located within the front 50' BRL area unless it is reduced to a height of 3' per Section 128.A.8 of the Zoning Regulations.



LEGEND :

- EX. PROPERTY LINE
- EX. 2' CONTOUR
- EX. 10' CONTOUR
- EX. GAS
- EX. SANITARY
- EX. WATER
- EX. WATER METER
- EX. TELEPHONE
- EX. CURB
- EX. TREE
- EX. FENCE LINE
- PROP. 6' PRIVACY FENCE LINE
- EX. BUILDING

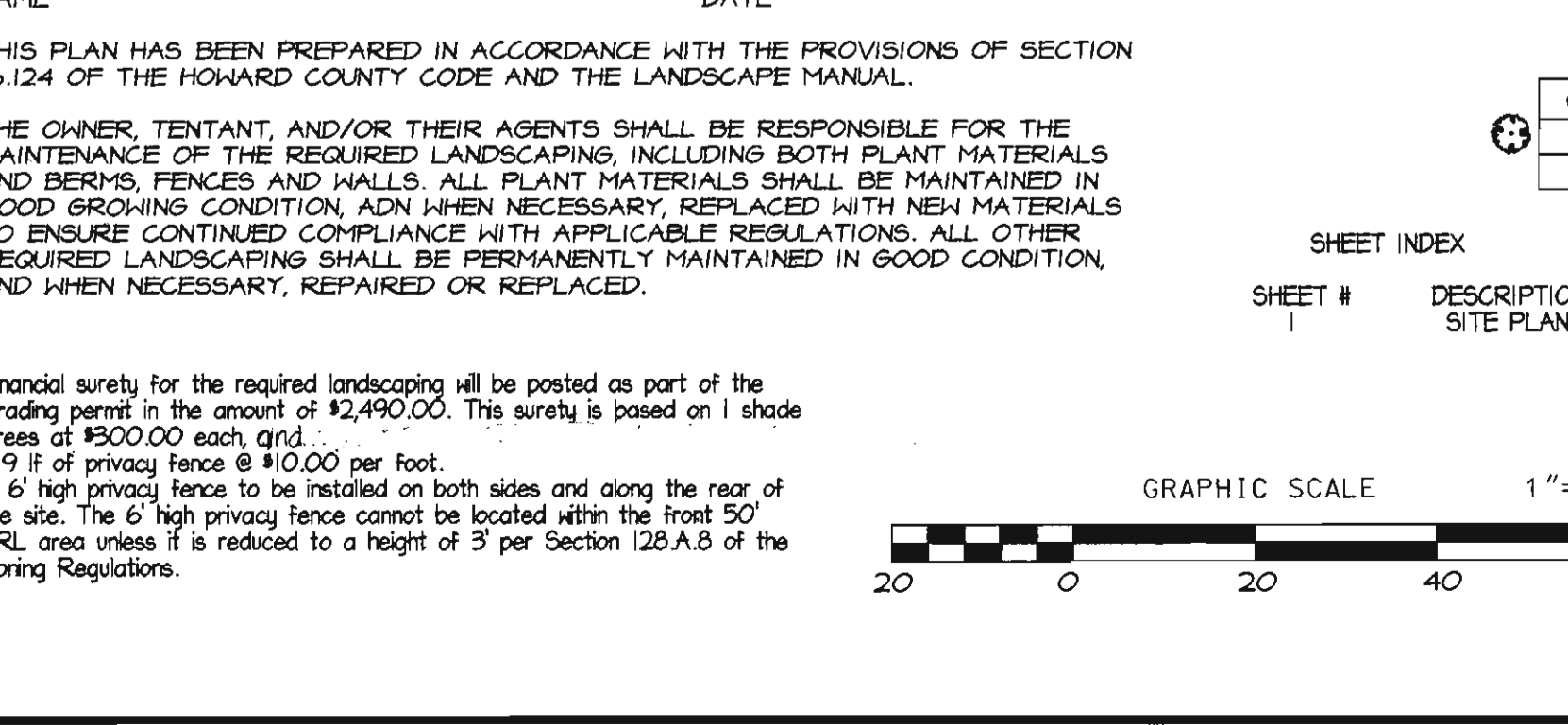
SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS	SFD TO SFD (A)	SFD TO SFD (B)	SFD TO SFD (C)
LANDSCAPE TYPE	N/A	A	A	A
LINEAR FEET OF ROADWAY/ FRONTAGE/PERIMETER	75	132	75	132
CREDIT FOR EXISTING VEGETATION (YES NO, LINEAR FEET)	0	0	0	0
CREDIT FOR WALL FENCE OR BERM (YES NO, LINEAR FEET)	0	82	75	62
NUMBER OF PLANTS REQUIRED		50@	0@	62@
SHADE TREES		1/60=1	1/60=0	1/60=1
EVERGREEN TREES		0	0	0
SHRUBS		0	0	0
NUMBER OF PLANTS PROVIDED		1	0	0
SHADE TREES		0	0	0
EVERGREEN TREES		0	0	0
OTHER TREES (2:1 SUBSTITUTION)		0	0	0
SHRUBS (10:1 SUBSTITUTION)		0	0	0

* CREDIT FOR TWO EXIST. SHADE TREE

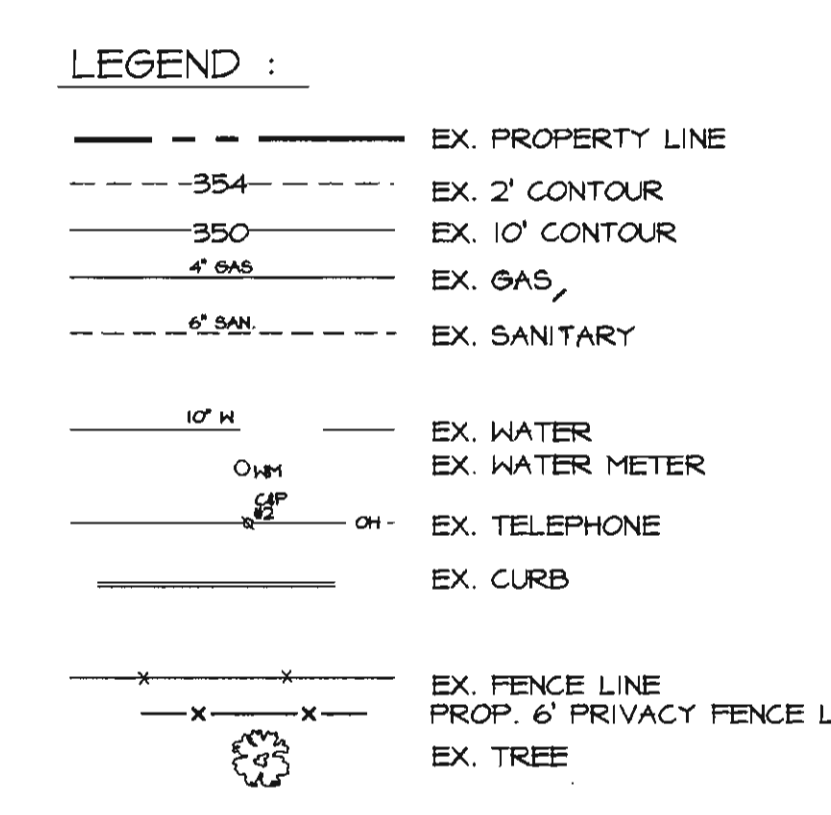
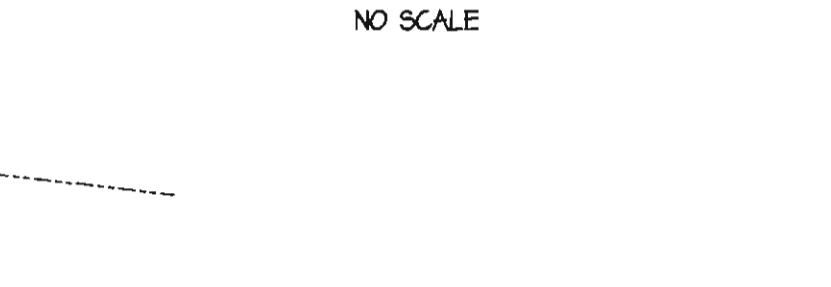
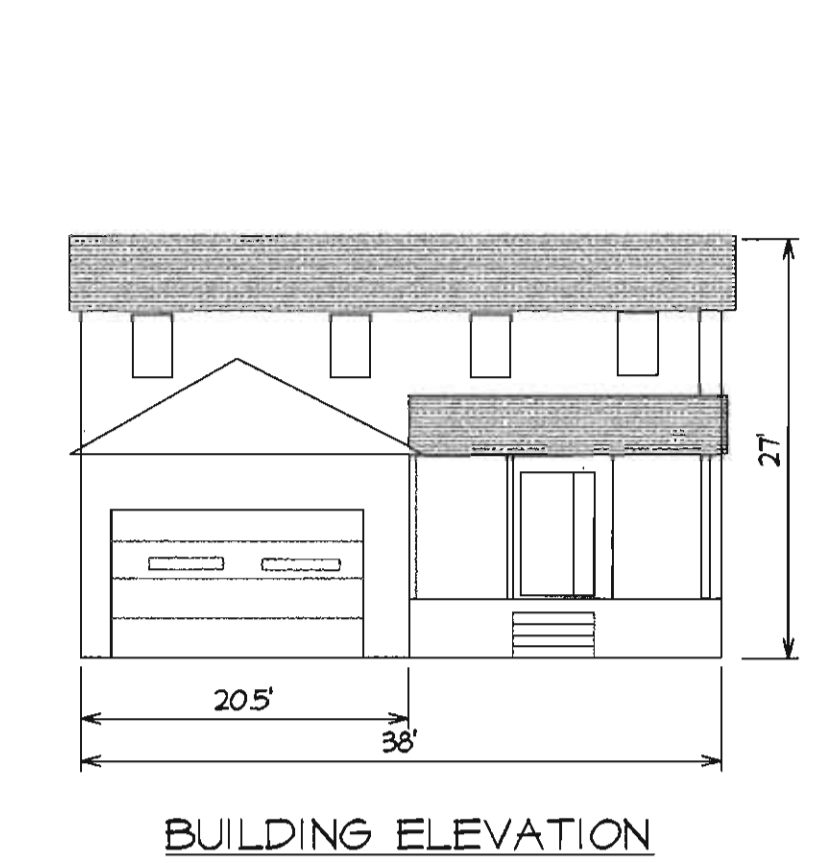
PLANT LIST

QTY.	SYM.	BOTANICAL NAME	COMMON NAME	REMARKS
1	AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2"-3" CAL.



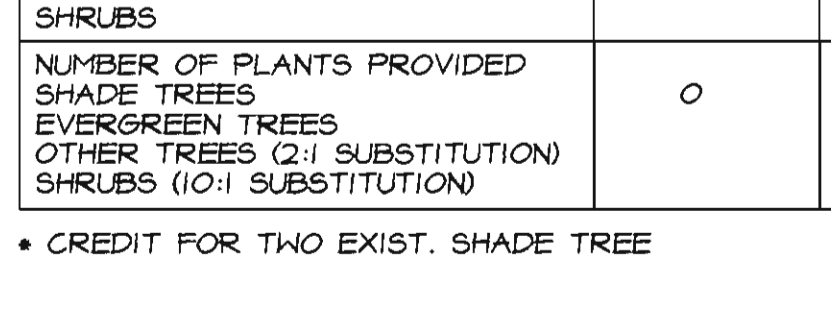
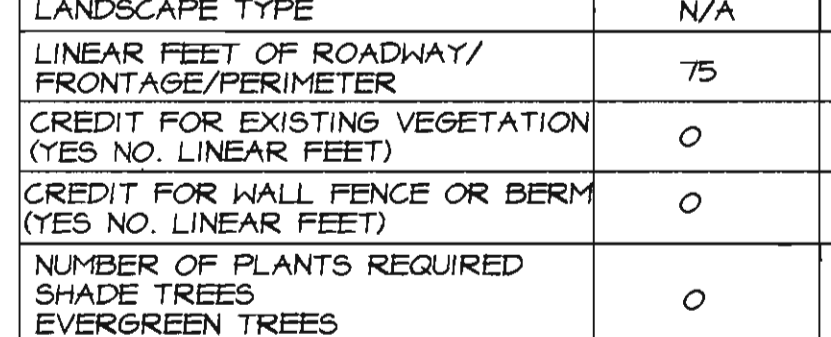
SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT THROUGH THE DEPARTMENT OF INSPECTIONS, LICENSE & PERMITS.
- NOTIFY HOWARD COUNTY SEDIMENT CONTROL DIVISION (410-313-1885) AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CLEAR AND GRUB AS NECESSARY FOR SEDIMENT CONTROL INSTALLATION. INSTALL CONSTRUCTION ENTRANCE, SILT FENCE. (2 DAYS)
- CONSTRUCT DWELLING ON SITE. (90 DAYS)
- WITH APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES. (2 DAYS)
- STABILIZE ALL AREAS DISTURBED AS A RESULT OF SEDIMENT CONTROL REMOVAL. (2 DAYS)



PLANT LIST

QTY.	SYM.	BOTANICAL NAME	COMMON NAME	REMARKS
1	AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2"-3" CAL.



HOWARD COUNTY CONTROL POINTS

NO.	NORTHING	EASTING	ELEV.
37C3	562,916.003	1,384,856.68	257.769
38A4	562,977.612	1,386,288.08	223.452

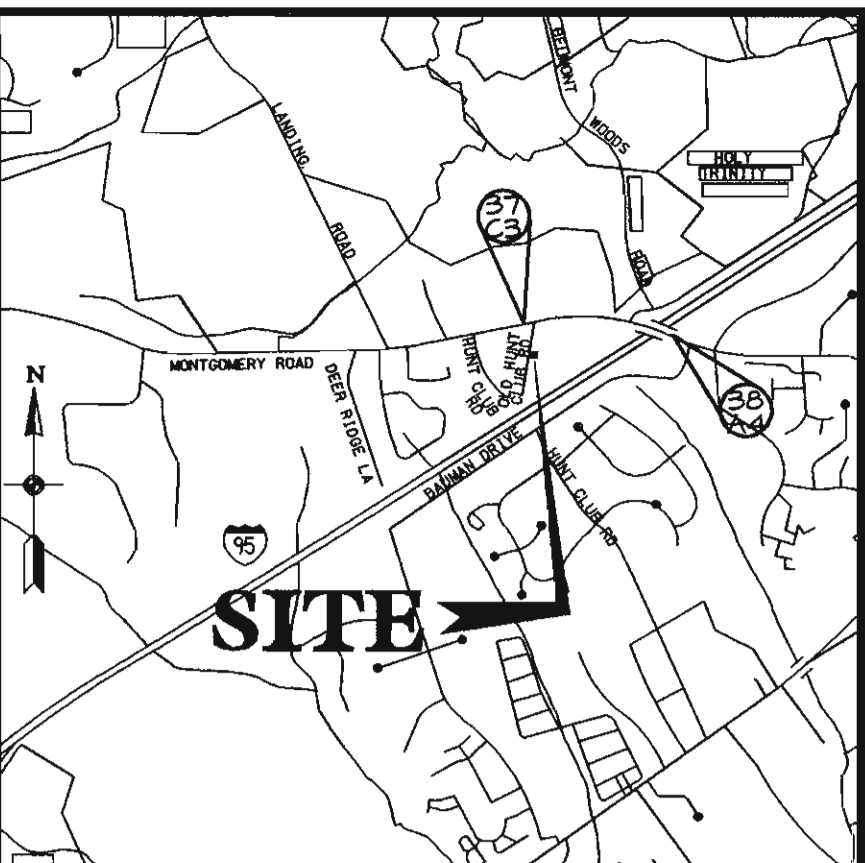
TEMPORARY SEEDING NOTES
Apply to graded or cleared areas likely to be redistributed where November 15, seed with 1-1/2 bushel per acre (1.2 lbs/1,000 sq-ft.) of seed. Anchor mulch immediately after seeding. If not previously loosened, loosen upper three inches of soil by raking, discing or other appropriate means before seeding.
SEED PREPARATION:
Loosen upper three inches of soil by raking, discing or other appropriate means before seeding.
SOIL AMENDMENTS:
Apply 500 lbs. per acre 10-10-10 fertilizer (14 lbs/1,000 sq-ft.)
SEEDING:
For the periods March 1 through April 30, and August 1 through November 15, seed with 1-1/2 bushel per acre (1.2 lbs/1,000 sq-ft.) of seed. Anchor mulch immediately after seeding. If not previously loosened, loosen upper three inches of soil by raking, discing or other appropriate means before seeding. For the period May thru August 14, seed with 3 lbs/acre of weeping lovegrass (.07 lbs/1,000 sq-ft.). For the period November 15 thru February 28, protect site by applying 2 tons per acre of well-anchored straw mulch and seed as soon as possible. In the spring, or use sod.
MULCHING:
Apply 1-1/2 to 2 tons per acre (10 to 30 lbs/1,000 sq-ft.) of unruffed small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 215 gallons per acre (5 gal/1,000 sq-ft.) of mulchified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (18 gal/1,000 sq-ft.) for anchoring.

Refer to the 1988 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not covered herein.
PERMANENT SEEDING NOTES:
All disturbed areas shall be stabilized as follows:
SEED PREPARATION:
Loosen upper three inches of soil by raking, discing or other appropriate means before seeding.
SOIL AMENDMENTS:
Apply two tons per acre dolomitic lime stone (92 lbs/1,000 sq-ft.) and 500 lbs per acre 0-20-20 fertilizer (14 lbs/1,000 sq-ft.) before seeding harrow or discing, into upper three inches of soil. At time of seeding apply 400 lbs per acre 38-0-0 urea form fertilizer (3 lbs/1,000 sq-ft.) and 500 lbs per acre (11.5 lbs/1,000 sq-ft.) of 10-20-20 fertilizers.
SEEDING:
For the periods March 1 through April 30, and August 1 through October 15, seed with 100 lbs per acre (2.3 lbs/1,000 sq-ft.) of Kentucky 31 Tall Fescue for the period May 1 through July 31, seed with 60 lbs./acre (1.4 lbs/1,000 sq-ft.) Kentucky 31 Tall Fescue and 2 lbs. per acre (0.05 lbs/1,000 sq-ft.) of weeping lovegrass. During the period of October 15 through February 28, Project site by Option (1) - two tons per acre of well anchored straw mulch and seed as soon as possible. In the spring apply (2) - use 500:50:1 (3) - seed with 100 lbs/acre Kentucky 31 Tall Fescue and mulch with two tons/acre well anchored straw. All slopes must be hydroseeded.
MULCHING:
Apply 1-1/2 to 2 tons per acre (10 to 30 lbs/1,000 sq-ft.) of unruffed small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gal/1,000 sq-ft.) of mulchified asphalt on flat areas. On slopes 8 feet or higher use 348 gal/acre (18 gal/1,000 sq-ft.) for anchoring.

MAINTENANCE:
Inspect all seeded areas and make necessary repairs, replacements and reseeded.
If for public ponds substitute Charming Creepers at 40 lbs/acre as the seeding requirement. Optimum seeding date for this mixture is March 1 to April 15.
TOPSOIL SPECIFICATIONS:
Soil to be used as topsoil must meet the following: Topsoil shall be a loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting texture subsoil and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots trash, or other materials larger than 1-1/2" in diameter. Topsoil must be free of plants or plant parts such as Bermuda Grass, Quackgrass, Johnson grass, Buttsedge, Poison Ivy, Thistle, or others as specified, where the topsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds/1,000 sq-ft.) prior to the placement of topsoil. LIME shall be distributed uniformly over designated areas and worked into the soil in conjunction with fill operations as described in the following procedures. For sites having disturbed areas under 5 acres:
Place topsoil (if required) and apply soil amendments as specified in 20.0 vegetative stabilization-Section 1-Vegetative Stabilization Methods and Materials.
ALTERNATIVE FOR PERMANENT SEEDING - Instead of applying the full amount of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:
Composted sludge material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to assure the amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
a. Composted sludge shall be applied by, or originate by a person or persons that are permitted for the time of application of the compost by the Maryland Department of the Environment under Conar 25.04.06.
b. Composted sludge shall contain at least 1 percent Nitrogen 1.5 percent Phosphorus, and 0.2 percent Potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
c. Composted sludge shall be applied at a rate of 1 ton/1,000 sq-ft. Composted sludge shall be amended with a Potassium fertilizer applied at the rate of 1 lb/1,000 sq-ft. and 1/3 the normal lime application rate.

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 410-313-1885.
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) A CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 9, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND 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 10146 SF / 0.234 ACRES
AREA TO BE RODED OR PAVED 4369 SF / 0.11 ACRES
AREA TO BE VEGETATIVELY STABILIZED 2,256 SF / 0.05 ACRES
TOTAL CUT 288 CU. YDS
TOTAL FILL 80 CU. YDS
OFF-SITE WASTE/BARRAGE AREA LOCATION: A SITE WITH A CURRENTLY ACTIVE SEDIMENT PERMIT.
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF THE DISTURBANCE. 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.
9. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 5 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION CONTROL STRUCTURES. THIS APPROVAL SHALL BE REQUESTED 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.
11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.



VICINITY MAP
SCALE: 1"=200'

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 410-313-1885.
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) A CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 9, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND 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 10146 SF / 0.234 ACRES
AREA TO BE RODED OR PAVED 4369 SF / 0.11 ACRES
AREA TO BE VEGETATIVELY STABILIZED 2,256 SF / 0.05 ACRES
TOTAL CUT 288 CU. YDS
TOTAL FILL 80 CU. YDS
OFF-SITE WASTE/BARRAGE AREA LOCATION: A SITE WITH A CURRENTLY ACTIVE SEDIMENT PERMIT.
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF THE DISTURBANCE. 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.
9. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 5 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION CONTROL STRUCTURES. THIS APPROVAL SHALL BE REQUESTED 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.
11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

MAINTENANCE:
Inspect all seeded areas and make necessary repairs, replacements and reseeded.
If for public ponds substitute Charming Creepers at 40 lbs/acre as the seeding requirement. Optimum seeding date for this mixture is March 1 to April 15.
TOPSOIL SPECIFICATIONS:
Soil to be used as topsoil must meet the following: Topsoil shall be a loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting texture subsoil and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots trash, or other materials larger than 1-1/2" in diameter. Topsoil must be free of plants or plant parts such as Bermuda Grass, Quackgrass, Johnson grass, Buttsedge, Poison Ivy, Thistle, or others as specified, where the topsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds/1,000 sq-ft.) prior to the placement of topsoil. LIME shall be distributed uniformly over designated areas and worked into the soil in conjunction with fill operations as described in the following procedures. For sites having disturbed areas under 5 acres:
Place topsoil (if required) and apply soil amendments as specified in 20.0 vegetative stabilization-Section 1-Vegetative Stabilization Methods and Materials.
ALTERNATIVE FOR PERMANENT SEEDING - Instead of applying the full amount of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:
Composted sludge material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to assure the amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
a. Composted sludge shall be applied by, or originate by a person or persons that are permitted for the time of application of the compost by the Maryland Department of the Environment under Conar 25.04.06.
b. Composted sludge shall contain at least 1 percent Nitrogen 1.5 percent Phosphorus, and 0.2 percent Potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
c. Composted sludge shall be applied at a rate of 1 ton/1,000 sq-ft. Composted sludge shall be amended with a Potassium fertilizer applied at the rate of 1 lb/1,000 sq-ft. and 1/3 the normal lime application rate.

DATE	NO.	REVISION

OWNER/DEVELOPER
HORIZONS UNLIMITED HOME IMPROVEMENT, INC.
7387 WASHINGTON BLVD., SUITE 104
ELK RIDGE, MD 21075
Attn: WILLIAM GMEINWEISER, 410-796-1333

PROJECT: **5835 OLD HUNT CLUB ROAD**

TITLE: **SITE DEVELOPMENT PLAN SINGLE FAMILY DETACHED HOUSE**

Richardson Engineering, LLC

730 W. Padonia Road
Cockeysville, Maryland 21030
Phone: 410-560-1502 Fax: 410-560-0827

CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: PCR
PROJECT NO.: 03011
DATE: 4/30/2004
SCALE: 1" = 20'
DRAWING NO. 1 OF 1

FILE NO. SDP- 04-011
SDP-04-011