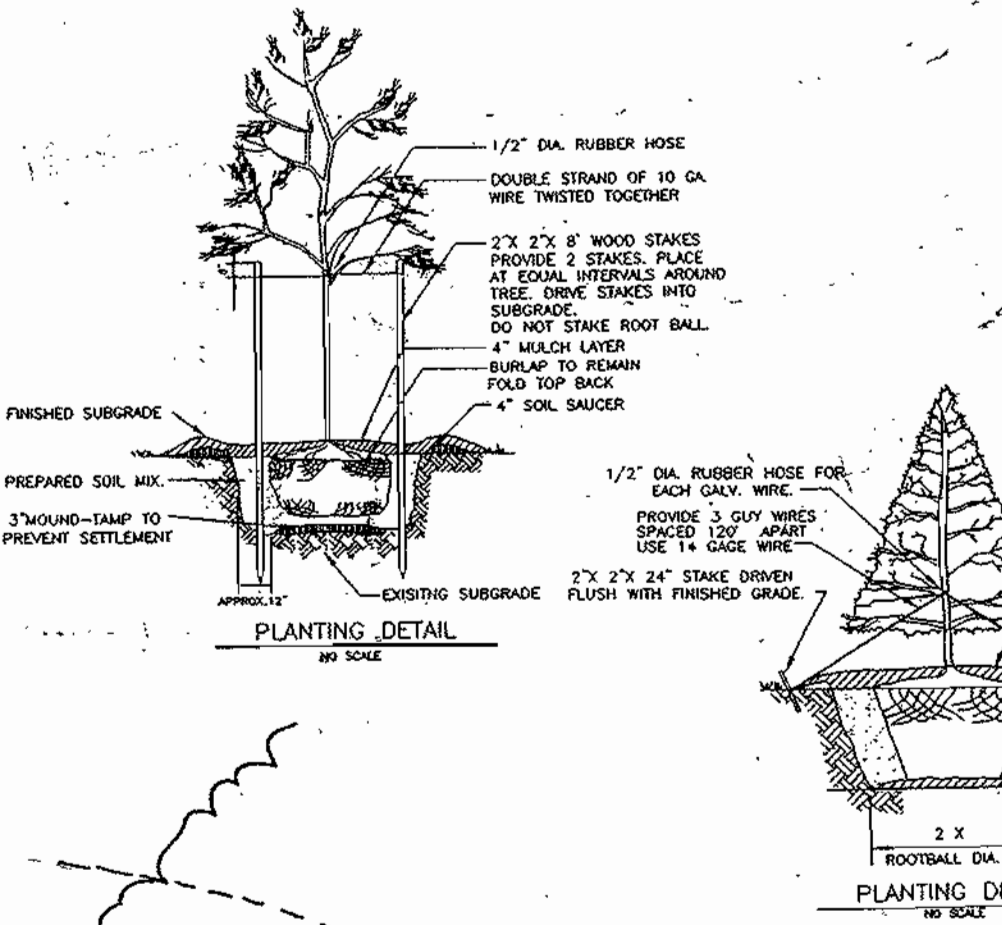


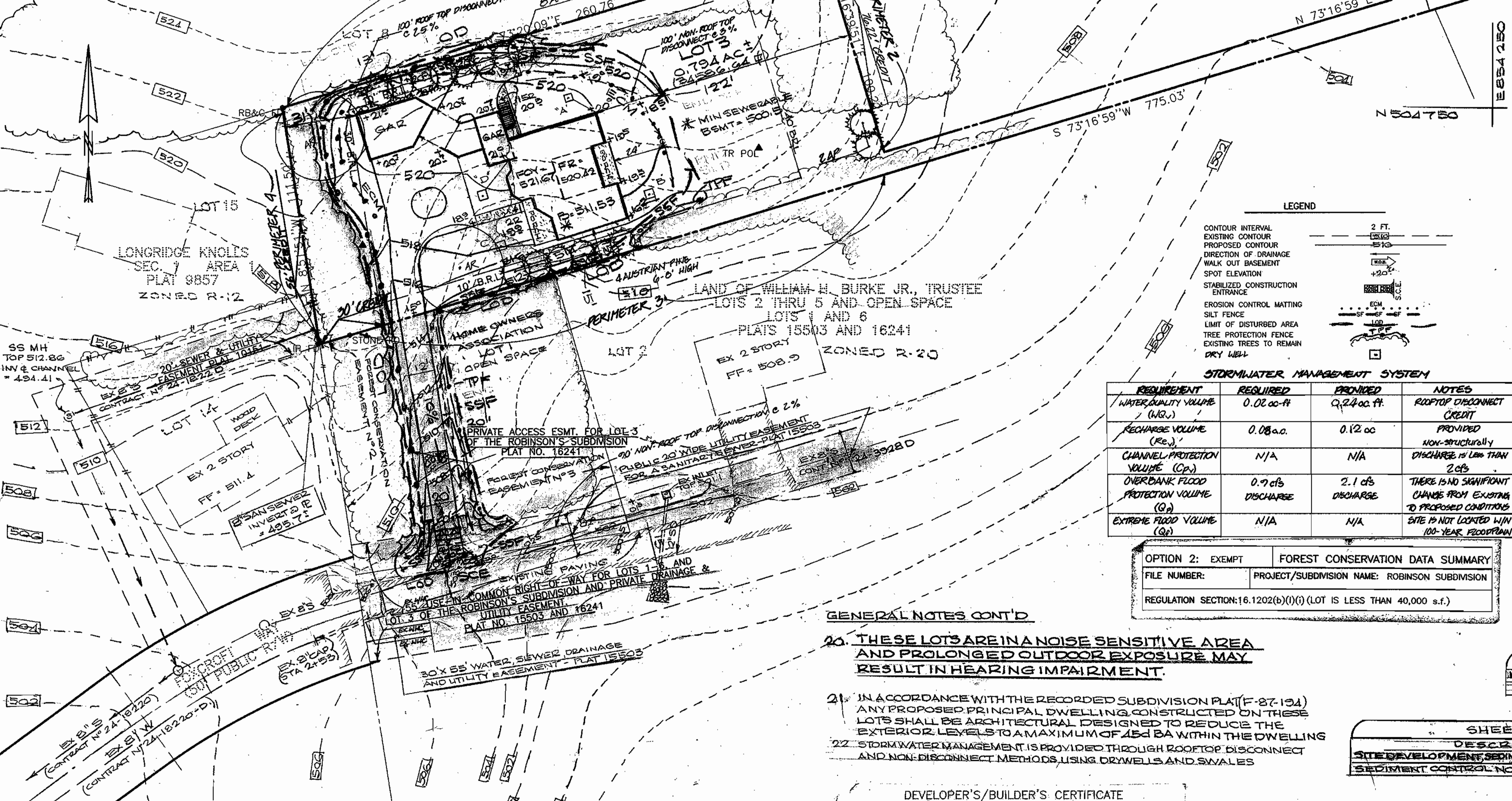
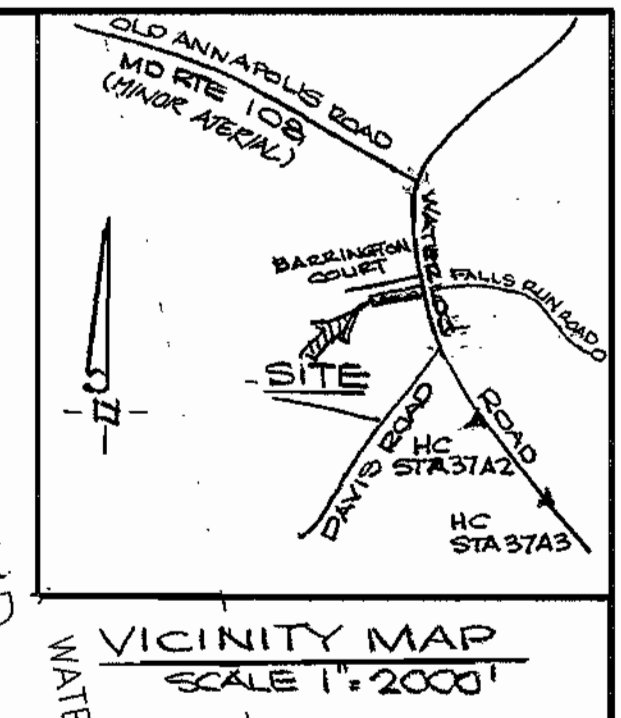
| SCHEDULE | PERIMETER 1 | PERIMETER 2 | PERIMETER 3 | PERIMETER 4 |
|---------------------------|-------------|-------------|-------------|-------------|
| LANDSCAPE TYPE | A | A | A | A |
| PERIMETER 1 PERIMETER | 110.76' | 10.25' | 175.00' | 111.50' |
| PERIMETER 2 PERIMETER | 30' | 16.62' | 30' | 36' |
| NUMBER OF PLANTS REQUIRED | | | | |
| SHADE TREES (1/2") | 4 | 0 | 4 | 0 |
| EVERGREEN TREES | 0 | 0 | 0 | 0 |
| NUMBER OF TREES PLANTED | 4 | 0 | 4 | 0 |
| SURETY AMOUNTS | \$100.00 | \$300.00 | \$100.00 | \$300.00 |
| TOTAL SURETY | \$800.00 | | | |

NOTE: 0 EVERGREEN TREES ARE TO BE SUBSTITUTED FOR 4 SHADE TREES FOR PERIMETER 1. 0 EVERGREEN TREES ARE TO BE SUBSTITUTED FOR 0 SHADE TREES FOR PERIMETER 2. 4 SHADE TREES ARE TO BE SUBSTITUTED FOR 0 EVERGREEN TREES FOR PERIMETER 3.

| KEY | PLANT NAME | SIZE | QUANTITY | REMARK |
|-----|----------------------------|-----------|----------|--------|
| (A) | 1/2" DIA. RUBBER ROSE | 12" X 12" | 2 | 010 |
| (B) | 2 1/2" X 2 1/2" WOOD STAKE | 6" X 6" | 16 | 010 |



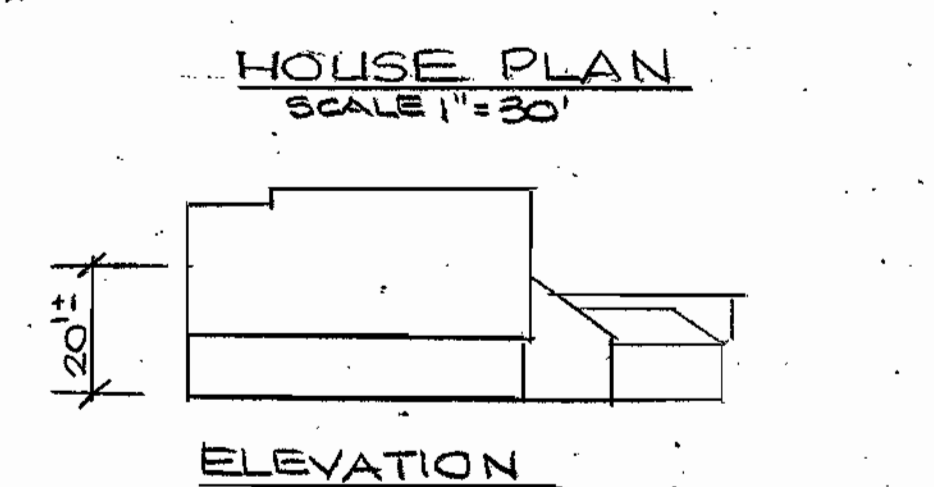
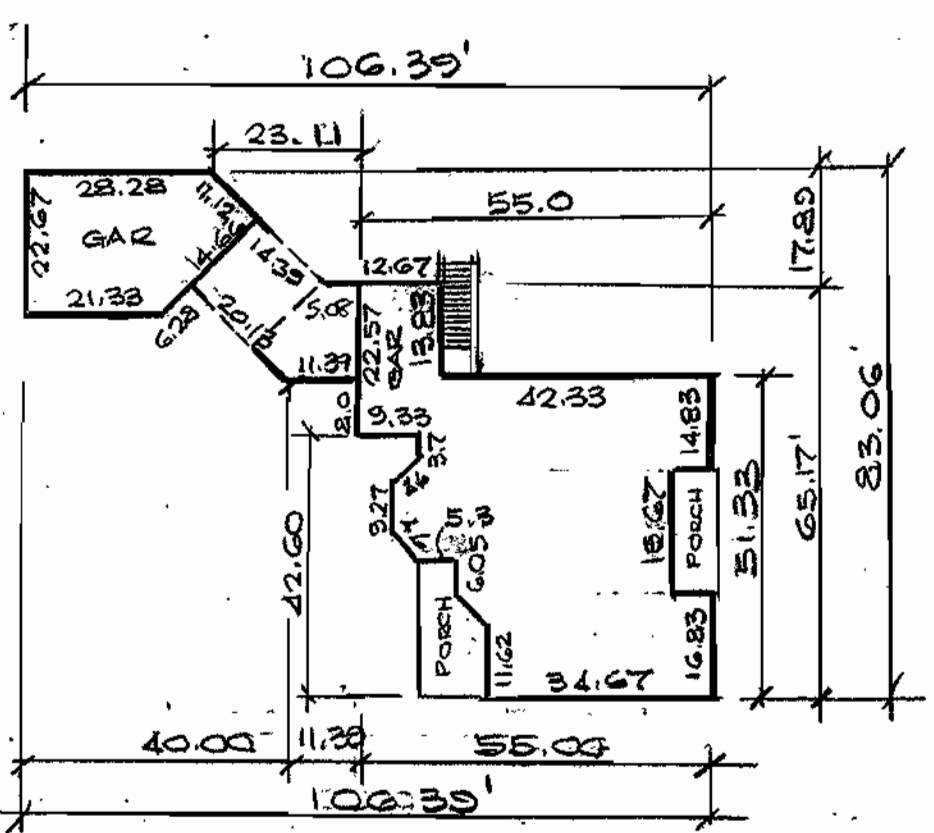
| BENCHMARKS | |
|--------------------------------|-------------|
| HOWARD COUNTY CONTROL STA 37A2 | ELEV 405.66 |
| HOWARD COUNTY CONTROL STA 37A3 | ELEV 385.62 |



USE-IN-COMMON EASEMENT FOR INGRESS AND EGRESS FOR LOTS 1, 2 AND 3. MAINTENANCE AGREEMENT RECORDING REF. L 2549 F. 385

Notes Continued
 23. PRELIMINARY PLANS FOR THE PROPOSED DEVELOPMENT OF LOT 3 ON THIS LOT MUST BE SUBMITTED WITH SETBACK AND BUFFER TO THE OWNER OF THE ADJACENT LAND OF THE ADJACENT LOT 3. THE BUFFER OF ROBINSON SUBDIVISION LOT 3.

- GENERAL NOTES:**
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY PERMITS AND EASEMENTS FOR THE PROPOSED DEVELOPMENT.
 - THE DEVELOPER SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY PERMITS AND EASEMENTS FOR THE PROPOSED DEVELOPMENT.
 - THE DEVELOPER SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY PERMITS AND EASEMENTS FOR THE PROPOSED DEVELOPMENT.
 - UTILITIES SHOWN ON EXISTING ARE TAKEN FROM APPROVED WATER AND SEWER PLANS CONTRACT NO. 24-1822-D.
 - ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
 - THE EXISTING TOPOGRAPHY WAS FIELD RUN BY CLARK, FINEFROCK AND SACKETT ON 12/2/03.
 - THE COORDINATES SHOWN HEREON ARE BASED ON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED ON MARYLAND STATE PLANE COORDINATE SYSTEM - HOWARD COUNTY MONUMENT NUMBER: #2743004 AND 2743006.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/DIVISION OF CONSTRUCTION INSPECTION AT (410) 313-1880 AT LEAST 24 HOURS PRIOR TO THE START OF WORK.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
 - ALL ROADWAY FRONTING OR PROVIDING ACCESS TO THIS SITE ARE PUBLIC.
 - FOR DRIVEWAY ENTRANCE DETAILS, REFER TO HO. CO. DESIGN MANUAL VOLUME IV DETAILS R.6.3 & R.6.6.
 - THE MINIMUM SETBACKS FOR STRUCTURES SHALL BE AS FOLLOWS:
 Front 4'
 Side 5'
 Rear 30'
 - DRIVEWAYS SHALL BE CONSTRUCTED PRIOR TO ISSUANCE OF A BUILDING PERMIT TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 A) Width - 12 feet
 B) Surface - 6 inches of compacted crusher run base with top and side curbing
 C) Geometry - Maximum 15% grade, maximum 10% grade change and minimum of 45 foot turning radius.
 D) Structures (culverts/bridges) - Capable of supporting 25 gross tons (NDS 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.
 - IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATION BY WINDOWS OR CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACK, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR SETBACK.
 - THERE ARE NO 100 YEAR FLOODPLAINS OR WETLANDS ON THIS SITE.
 - LANDSCAPING HAS BEEN PROVIDED IN ACCORDANCE WITH THE HOWARD COUNTY FOREST CONSERVATION BY-LAW. A LANDSCAPE SURETY OF \$5,000.00 WILL BE POSTED WITH THE BUILDER'S GRADING PERMIT APPLICATION.
 - THIS LOT IS exempt from the requirements of the 16,1200 of the Howard County Code for the Forest Conservation because the subject lot is less than 40,000 square feet.
 - THIS PLAN IS SUBJECT TO THE AMENDED 5TH EDITION OF THE SUB-DIVISION AND LAND DEVELOPMENT REGULATIONS.
 - LOTS WILL BE ACCESSIBLE VIA A PRIVATE ACCESS EASEMENT THROUGH THE OPEN SPACE LOT 1 OF THE ADJACENT LAND OF WILLIAM H. BURKE JR. SUBDIVISION, PLAT NO. 16241.



LEGEND

| | |
|----------------------------------|-------|
| CONTOUR INTERVAL | 2 FT. |
| EXISTING CONTOUR | --- |
| PROPOSED CONTOUR | --- |
| DIRECTION OF DRAINAGE | → |
| WALK OUT BASEMENT | --- |
| SPOT ELEVATION | • |
| STABILIZED CONSTRUCTION ENTRANCE | --- |
| EROSION CONTROL MATING | --- |
| SILT FENCE | --- |
| LIMIT OF DISTURBED AREA | --- |
| TREE PROTECTION FENCE | --- |
| EXISTING TREES TO REMAIN | ○ |
| DRY WELL | □ |

STORMWATER MANAGEMENT SYSTEM

| REQUIREMENT | REQUIRED | PROVIDED | NOTES |
|---------------------------------------|------------|------------|---|
| WATER QUALITY VOLUME (WQV) | 0.02 ac-ft | 0.24 ac-ft | ROOFTOP DISCONNECT CREDIT |
| RECHARGE VOLUME (R _{CH}) | 0.08 ac | 0.12 ac | PROVIDED |
| CHANNEL PROTECTION VOLUME (CP) | N/A | N/A | DISCHARGE IS LESS THAN 2 cfs |
| OVERBANK FLOOD PROTECTION VOLUME (OF) | 0.7 cfs | 2.1 cfs | THERE IS NO SIGNIFICANT CHANGE FROM EXISTING TO PROPOSED CONDITIONS |
| EXTREME FLOOD VOLUME (EF) | N/A | N/A | SITE IS NOT LOCATED WITH IN 100-YEAR FLOODPLAIN |

OPTION 2: EXEMPT FOREST CONSERVATION DATA SUMMARY

| | |
|---|--|
| FILE NUMBER: | PROJECT/SUBDIVISION NAME: ROBINSON SUBDIVISION |
| REGULATION SECTION: 16.1202(b)(1)(i) (LOT IS LESS THAN 40,000 s.f.) | |

DEVELOPER
 J.B.I. HOMES INC.
 3675 PARK AVENUE SUITE 301
 ELICOTT CITY, MD. 21116
 (410) 389-0023

OWNER
 MARVIN D. JR & CATHERINE A.S. CARR
 5502 WATERLOO ROAD
 COLUMBIA, MD 21045-2624
 PHONE (410) 778-7675

ADDRESS CHART

| LOTS | STREET ADDRESS |
|------|-------------------|
| 1 | 5621 FOXCROFT WAY |

| | | | | | |
|------------------|----------------------|----------------|---------|--------------|---------|
| SUBDIVISION NAME | ROBINSON SUBDIVISION | SECTION/AREA | N/A | LOT/PARCEL | 3/249 |
| PLAT NO. | 10414 | BLOCK NO. | 3215 | ZONE | R-20 |
| TAX MAP NO. | 31 | ELECTION DIST. | 6TH | CENSUS TRACT | 6023.02 |
| WATER CODE | G-07 | SEWER CODE | 5935700 | | |

SHEET INDEX

| DESCRIPTION | SHEET NO. |
|--|-----------|
| SITE DEVELOPMENT SUBMITTAL REGIONAL CONTROL PLAN | 1 of 2 |
| SEDIMENT CONTROL NOTES AND DETAILS | 2 of 2 |

- GENERAL NOTES CONT'D**
- THESE LOTS ARE IN A NOISE SENSITIVE AREA AND PROLONGED OUTDOOR EXPOSURE MAY RESULT IN HEARING IMPAIRMENT.
 - IN ACCORDANCE WITH THE RECORDED SUBDIVISION PLAT (F-87-154) ANY PROPOSED PRINCIPAL DWELLING CONSTRUCTED ON THESE LOTS SHALL BE ARCHITECTURAL DESIGNED TO REDUCE THE EXTERIOR LEVELS TO A MAXIMUM OF 45' BA WITHIN THE DWELLING
 - STORMWATER MANAGEMENT IS PROVIDED THROUGH ROOFTOP DISCONNECT AND NON-DISCONNECT METHODS USING DRYWELLS AND SWALES

DEVELOPER'S/BUILDER'S CERTIFICATE

I, We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all 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 inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

NAME: LYNN COVLEY
 DATE: 1-5-04
 PROJECT MANAGER

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion 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.

G. NELSON CLARK
 DATE: 1-5-04



APPROVED: DEPARTMENT OF PLANNING & ZONING

DATE: 7/15/04

CHIEF DEVELOPMENT ENGINEERING DIVISION

CHIEF DIVISION OF LAND DEVELOPMENT

DIRECTOR

SOILS LEGEND

| SYMBOL | NAME / DESCRIPTION | PERCENTAGE | TYPE |
|--------|--------------------------------------|------------|------|
| AqC2 | ARLINGTON CLAY, 1 to 5% SLOPE, 20000 | | D |

CLARK · FINEFROCK & SACKETT, INC.
 ENGINEERS · PLANNERS · SURVEYORS

7135 MINSTREL WAY · COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH.

DESIGNED BY: R.M.T.
 DRAWN BY: R.M.T.
 CHECKED BY: DAR
 DATE: 12/18/03

ROBINSON SUBDIVISION
 SINGLE FAMILY DETACHED PLAN
 SEDIMENT AND EROSION CONTROL PLAN
 LANDSCAPE PLAN
 LOT 3

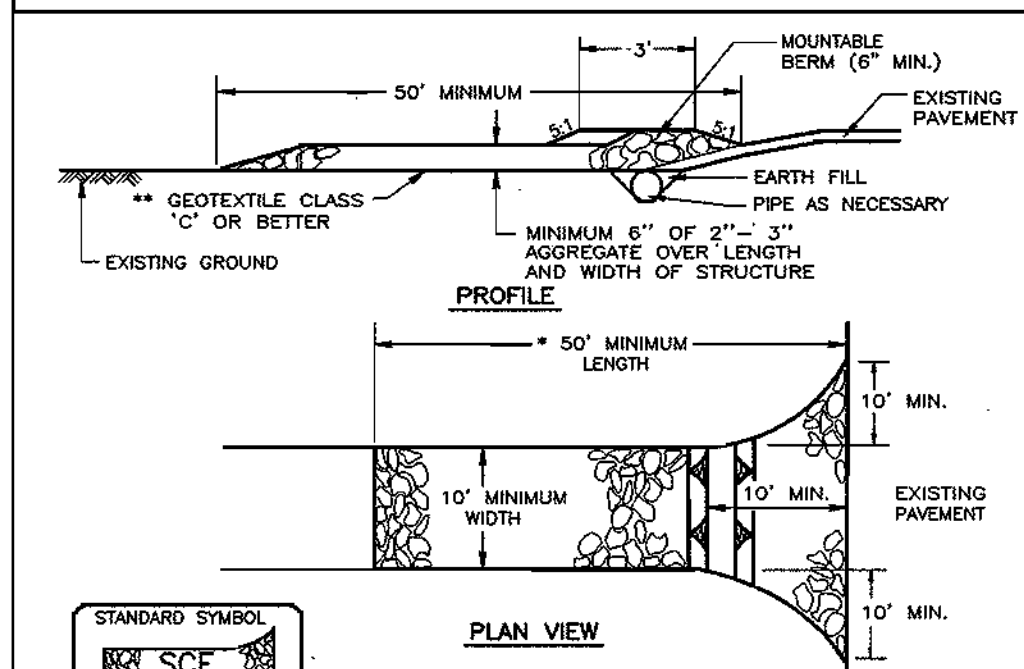
TAX MAP NO. 31 SIXTH (6TH) ELECTION DISTRICT PARCEL 249
 HOWARD COUNTY, MARYLAND

FOR: J.B.I. HOMES INC.
 3675 PARK AVENUE SUITE 301
 ELICOTT CITY MD 21116

SCALE: 1"=30'
 DRAWING: 1 of 2
 JOB NO.: 03-081
 FILE NO.: 03-081-X

SDP-04-094

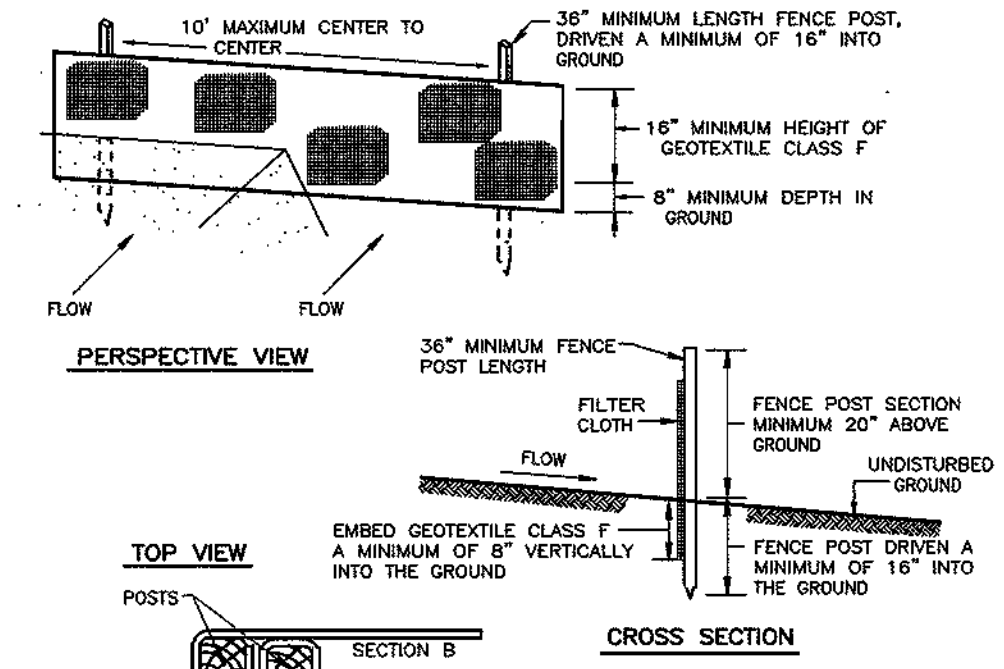
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



- Construction Specifications**
- Length - minimum of 50' (* 30' for a single residence lot).
 - Width - 10' minimum, should be floored at the existing road to provide a turning radius.
 - Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. * The plan approval authority may not require single family residences to use geotextile.
 - Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
 - Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable beam with 5:1 slopes and a minimum of 8" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
 - Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 7-11-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 22 - SILT FENCE

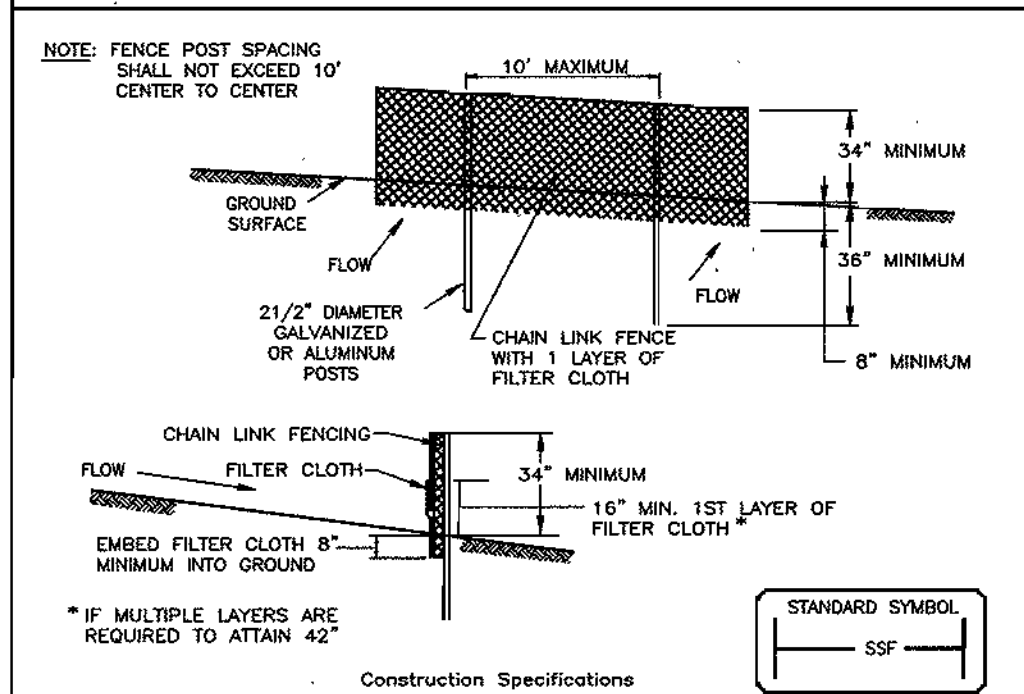


- Construction Specifications**
- Fence posts shall be a minimum of 36" long, driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1.00 pound per linear foot.
 - Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

| | | |
|----------------------|--|----------------|
| Tensile Strength | 50 lbs/in. (min.) | Test: MSMT 509 |
| Tensile Modulus | 20 lbs/in. (min.) | Test: MSMT 509 |
| Flow Rate | 0.3 gal/ft ² /minute (max.) | Test: MSMT 322 |
| Filtering Efficiency | 75% (min.) | Test: MSMT 322 |
 - Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
 - Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches the top of the height.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 8-15-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 33 - SUPER SILT FENCE

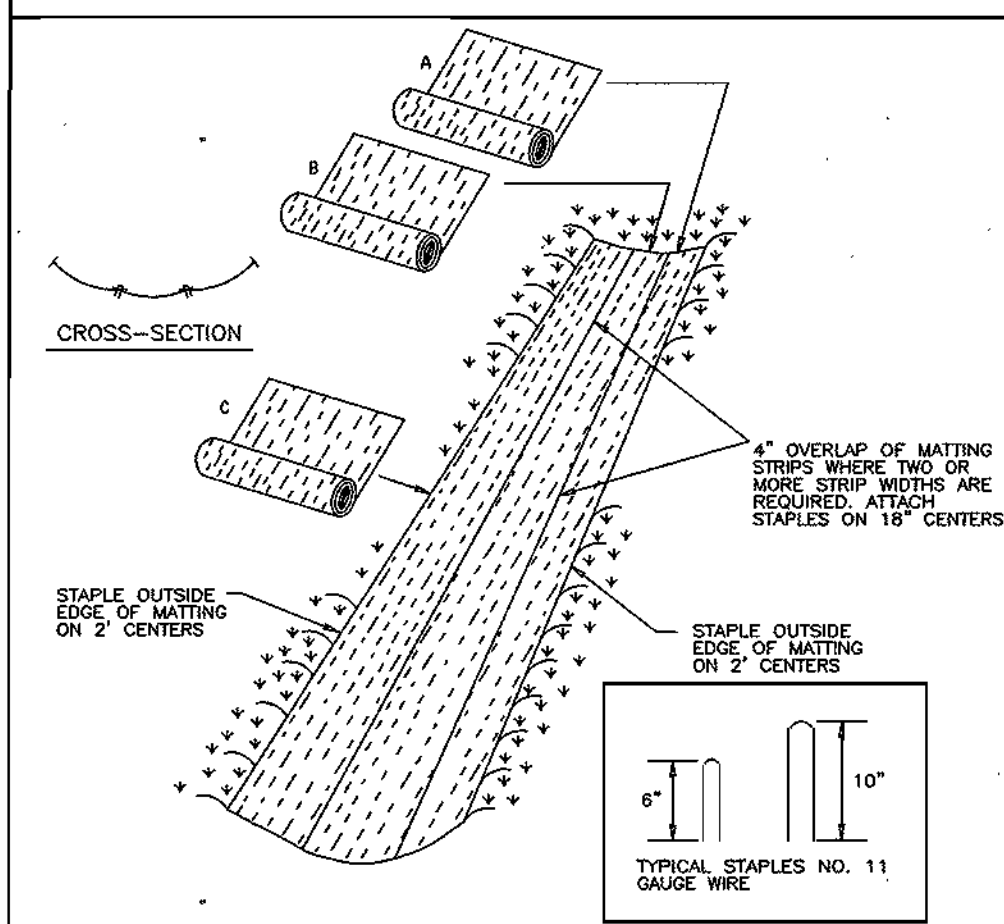


- Construction Specifications**
- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 5' fence shall be used, substituting 42" fabric and 6' length posts.
 - Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
 - Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
 - Filter cloth shall be embedded a minimum of 8" into the ground.
 - When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
 - Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
 - Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

| | | |
|----------------------|--|----------------|
| Tensile Strength | 50 lbs/in. (min.) | Test: MSMT 509 |
| Tensile Modulus | 20 lbs/in. (min.) | Test: MSMT 509 |
| Flow Rate | 0.3 gal/ft ² /minute (max.) | Test: MSMT 322 |
| Filtering Efficiency | 75% (min.) | Test: MSMT 322 |

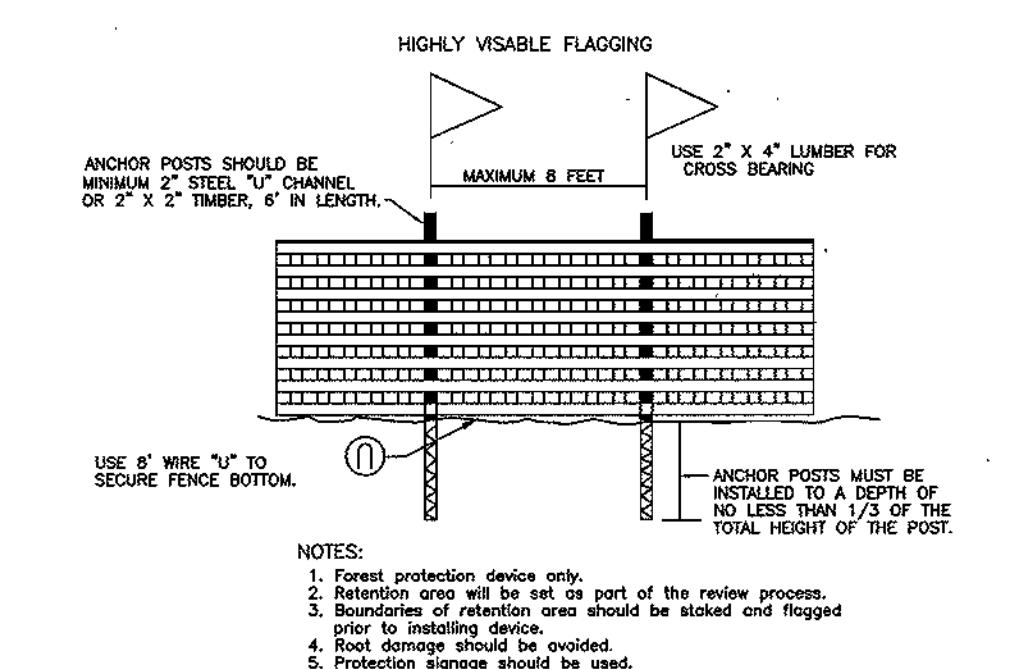
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 8-28-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 30 - EROSION CONTROL MATTING



- Construction Specifications**
- Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".
 - Staple the 4" overlap in the channel center using an 18" spacing between staples.
 - Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
 - Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
 - Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shingle fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
 - The discharge end of the matting liner should be similarly secured with 2 double rows of staples.
- Note: If flow will enter from the edge of the matting then the area affected by the flow must be keyed-in.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 6-2-2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



- BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL**
- APPROVED: DEPARTMENT OF PLANNING & ZONING
- 7/9/04 DATE
- 7/15/04 DATE
- 7/15/04 DATE

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Definition
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose
To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

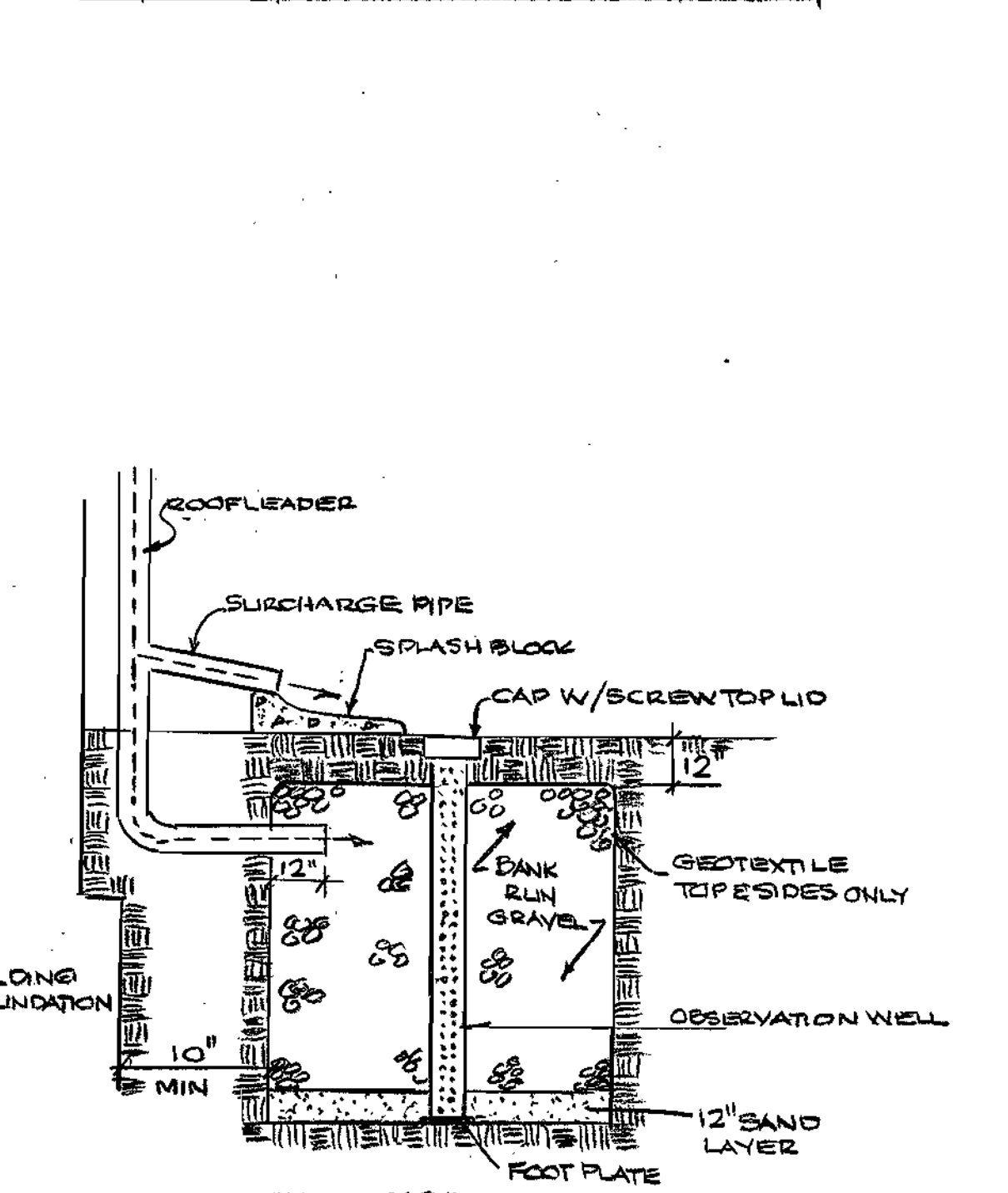
- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

- Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SSC in cooperation with Maryland Agricultural Experimental Station.
- Topsoil specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils 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, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
 - Where the subsoil 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 per 1,000 square feet) prior to the placement of topsoil. Limestone shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

DRY WELL TABLE

| NO | AREA SQ FT | VOL. REQ OF | LENGTH | WIDTH | DEPTH | BOTTOM ELEV |
|----|------------|-------------|--------|-------|-------|-------------|
| A | 500 | 100 | 5' | 5' | 4' | 516.0 |
| B | 500 | 100 | 5.5' | 5.5' | 3.5' | 513.5 |
| C | 500 | 100 | 5' | 5' | 4' | 514.0 |
| D | 500 | 100 | 5' | 5' | 4' | 515.8 |



DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all 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 inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

NAME: LYNNE COVEY DATE: 1-5-04
PROJECT MANAGER

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.).

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (3.2 lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq.ft.). For the period November 1 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 (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEDIMENT AND EROSION 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 (313-1855).
 - 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 SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within:
 - 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1;
 - 14 days for all other disturbed or graded areas on the project site.
 - All sediment traps/basins shown must be designed and warning signs posted around their perimeters in accordance with Vol. 1, Chapter 7, 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 for permanent seedings, sod, temporary seeding and establishment of grasses. Temporary stabilization with mulch alone can only be done when recommended seedings 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: | 31,586 SF |
| Area Disturbed: | 12,051 SF |
| Area to be roofed or paved: | 6,872 SF |
| Area to be vegetatively stabilized: | 1,272 SF |
| Total Disturb: | 14,724 SF |
 - Any sediment control practice which is 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 DPW 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 shall be backfilled and stabilized within one working day, or is limited to three pipe lengths.
 - The total amount of earth dike = 110 LF
 - The total amount of super silt fence = 410 LF
 - The total amount of super diversion fence =
- * It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

CONSTRUCTION SEQUENCE:

| | NO. OF DAYS |
|--|-------------|
| 1. Obtain grading permit. | 7 |
| 2. Install tree protection fence. | 1 |
| 3. Install sediment and erosion control devices and stabilize. | 1 |
| 4. Excavate for foundations, rough grade and temporarily stabilize. | 30 |
| 5. Construct structures, sidewalks and driveways. | 50 |
| 6. Final grade, install Erosion Control Matting and stabilize in accordance with standards and specifications. | 12 |
| 7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize. | 7 |

* Delay construction of houses on lots: N/A

CLARK · FINEFROCK & SACKETT, INC.
ENGINEERS · PLANNERS · SURVEYORS
7135 MINSTREL WAY · COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH.

DESIGNED SEDIMENT CONTROL NOTES & DETAILS SCALE

DRAWN LOT 3 DRAWING 2 of 2

CHECKED ROBINSON SUBDIVISION JOB NO. 03-081

DATE 7/12/03 FOR T.B. HOMES INC. FILE NO. 03-081X
3675 PARK AVENUE SUITE 301
ELLICOTT CITY, MD 20776



ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion 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.

G. NELSON CLARK DATE: 1-5-04

Reviewed for HOWARD S.C.D. and meets Technical Requirement

Signature: John L. Blanton Date: 7/15/04

Signature: John L. Blanton Date: 7/15/04

Signature: John L. Blanton Date: 7/15/04

NAME: LYNNE COVEY DATE: 1-5-04
PROJECT MANAGER