

SILT FENCE

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

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

Reviewed for HOWARD SCD and meets Technical Requirements

Jim M... 3/7/05

USEPA - Natural Resources Conservation Service Date

This development plan is approved for sediment and erosion control by the HOWARD SOIL CONSERVATION DISTRICT

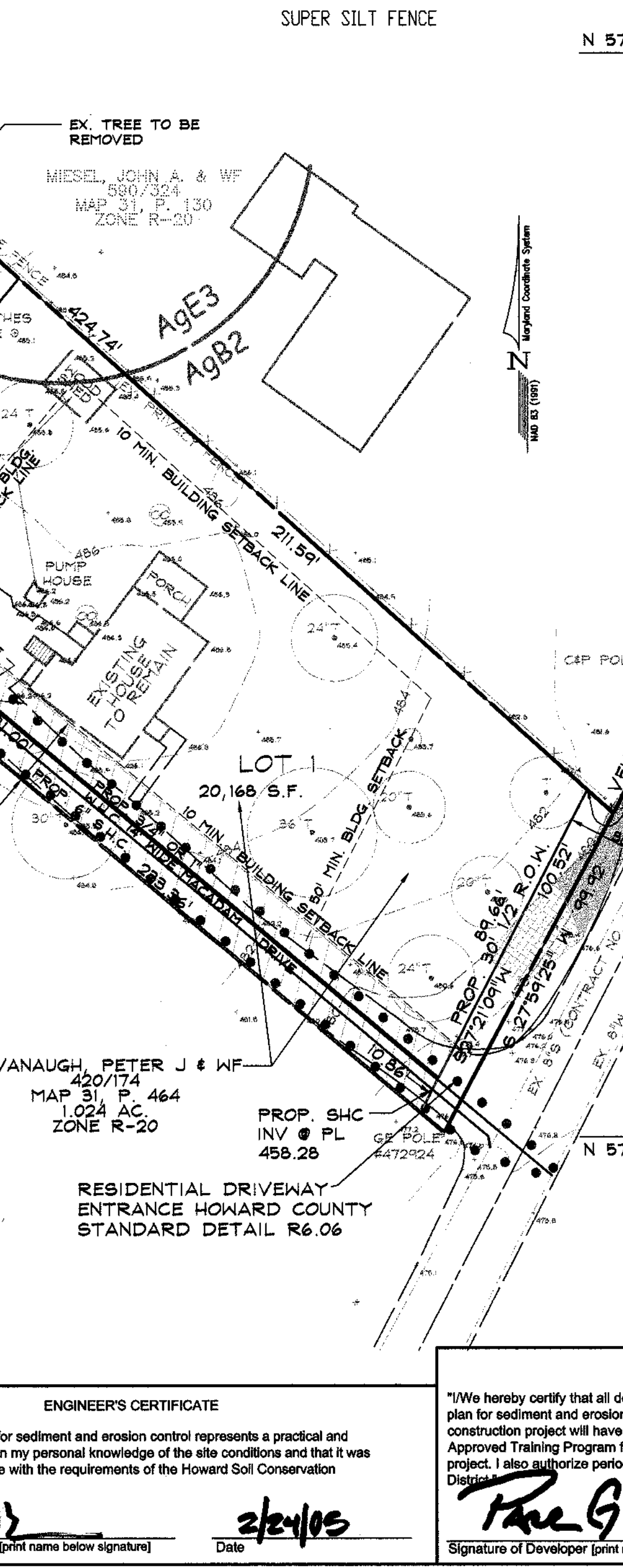
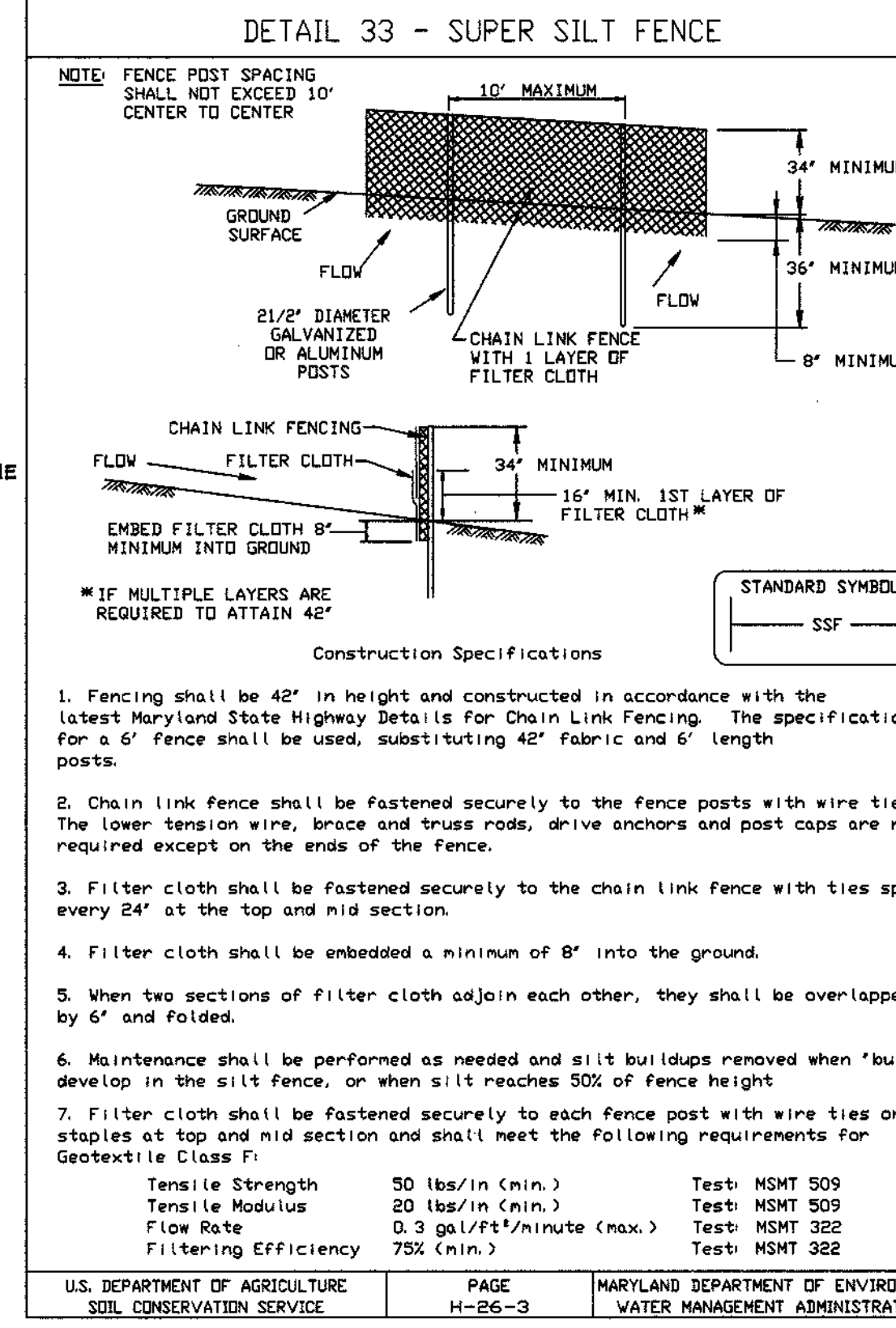
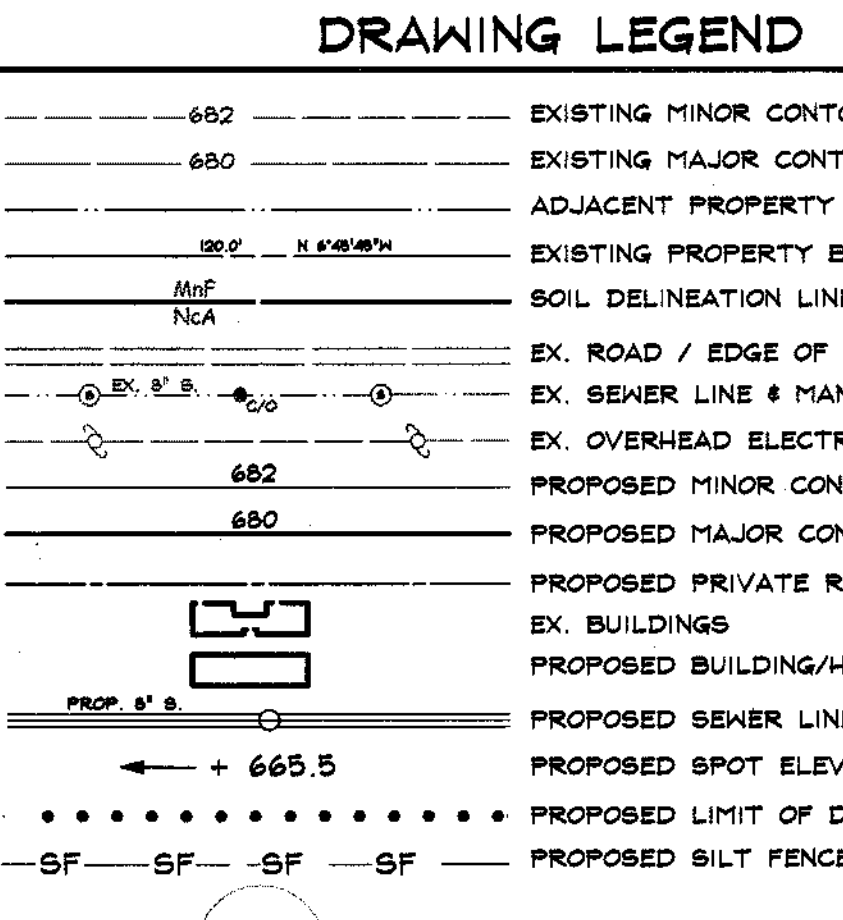
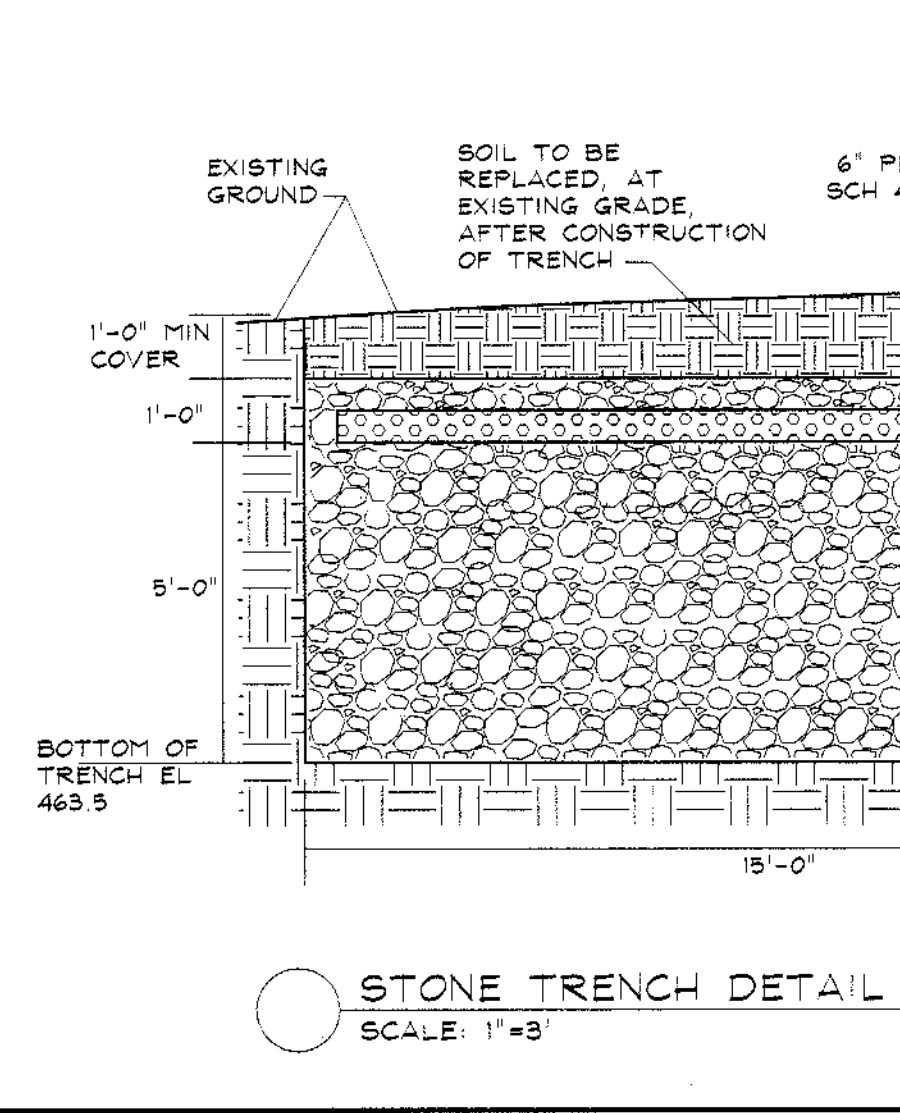
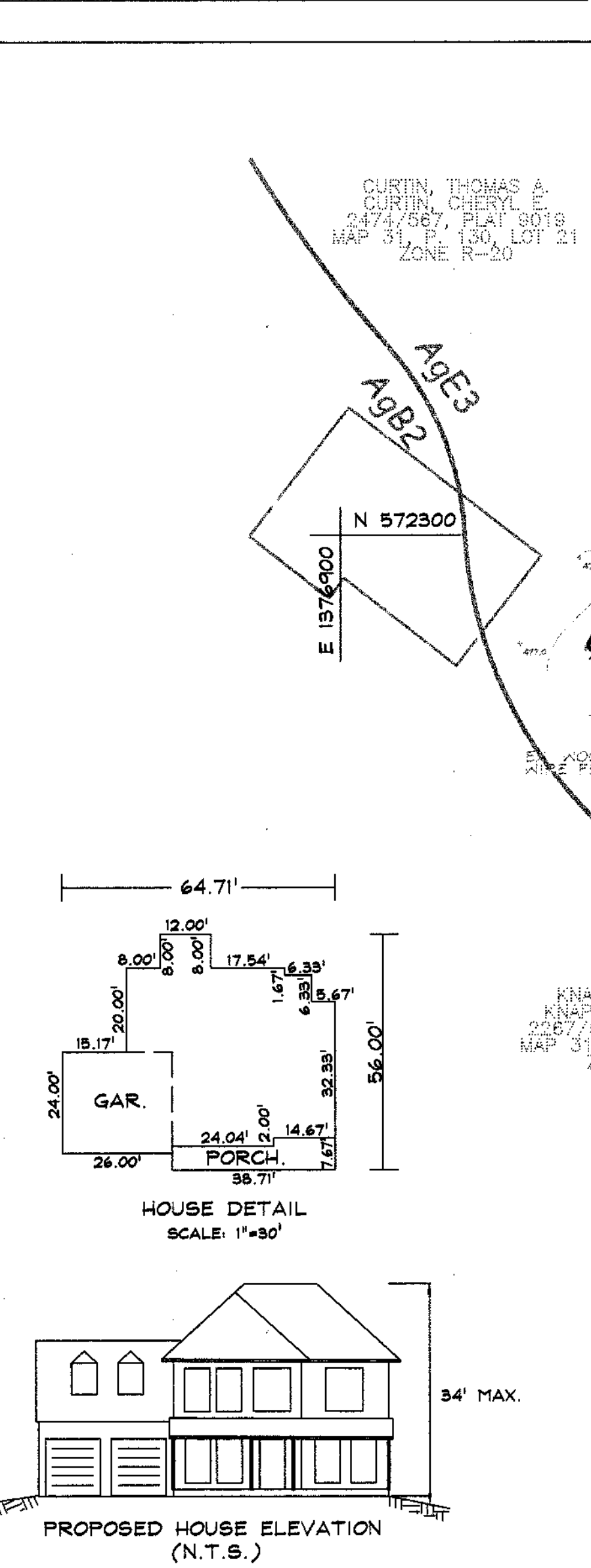
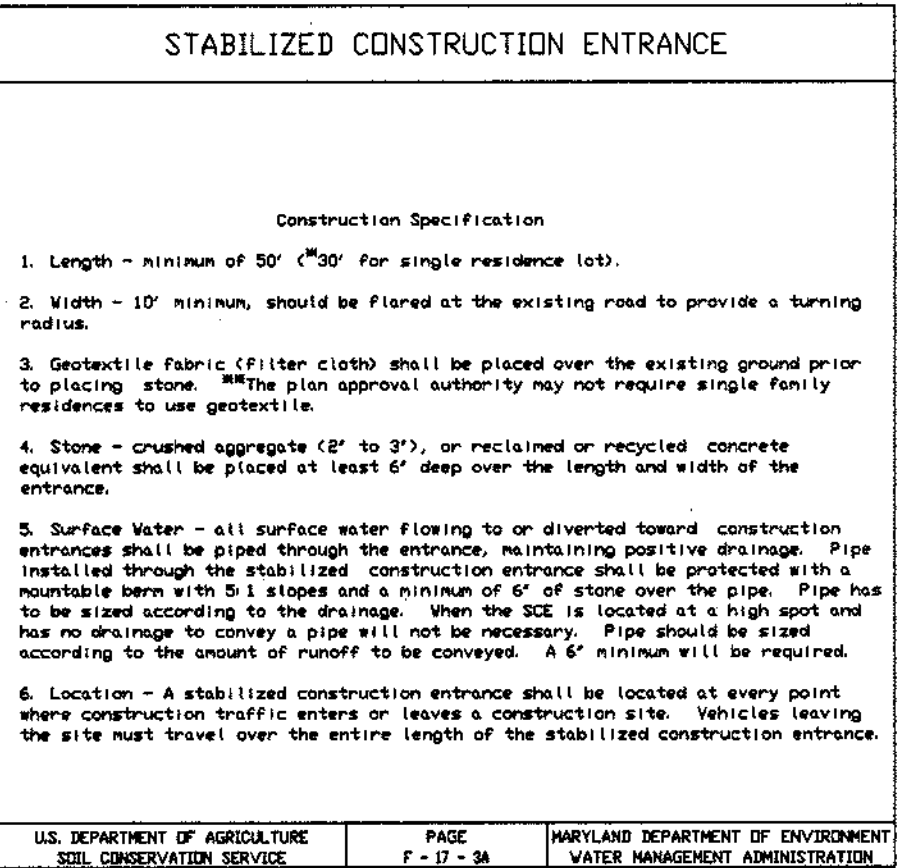
3/17/05

APPROVED: DEPARTMENT OF PLANNING AND ZONING

3/9/05 DATE

3/11/05 DATE

3/11/05 DATE

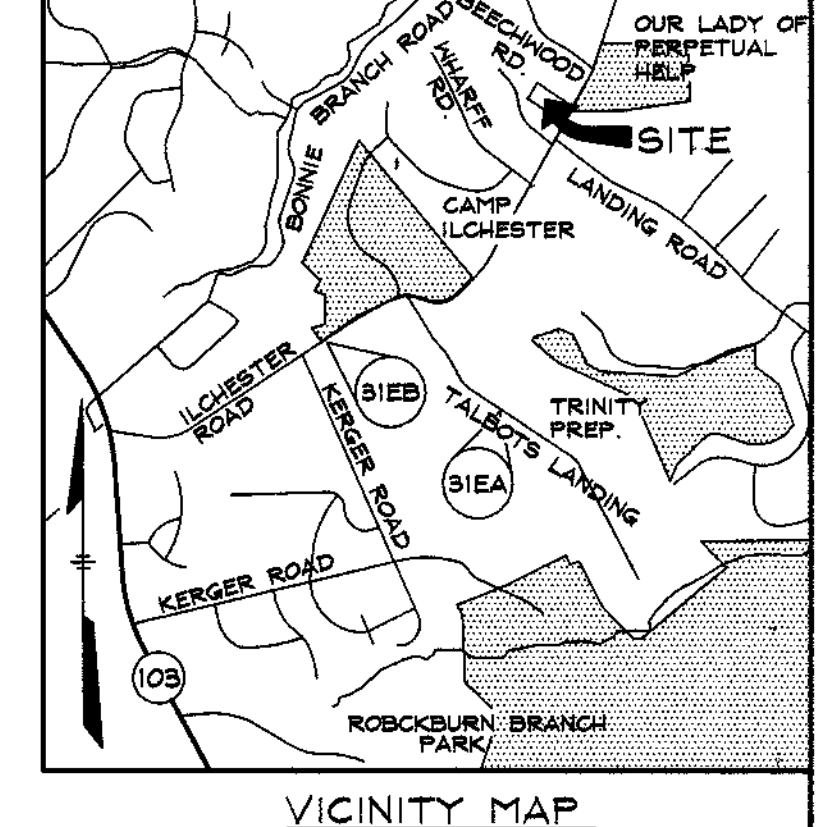


General Notes:

- The subject property is zoned R-20 per the 02/02/04 comprehensive zoning plan.
- In accordance with Section 12B of the Howard County Zoning Regulations, any windows, chimneys or exterior stairways not more than 16 feet in width may project not more than 4 feet into any setback, porch or deck. Porch or enclosed may project not more than 10 feet into the front or rear yard setback (applies for residential SDPs).
- No clearing, grading or construction is permitted within the required wetlands, stream(s) or their buffers and forest conservation easement areas.
- Driveway shall be provided prior to issuance of a use and occupancy permit for any new dwellings to insure safe access for fire and emergency vehicles per the following minimum requirements:
 - Width - 12' (14' serving more than one residence).
 - Surface - 6\"/>
 - Structures (culverts/bridges) - capable of supporting 25,000 lbs. (125 tons).
 - Drainage elements - capable of safely passing 100-year flood with no more than 1 foot depth over the driveway surface.
 - Maintenance sufficient to insure all weather use.
- This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and the Landscape Manual.
- Financial surety for the required landscaping will be posted with the builder's/developer's grading permit application in the amount of \$5,000 for 5 shade trees, 3 evergreen trees and 1 ornamental tree.
- This project is exempt from the requirements of Section 16.1200 of the Howard County Code for Forest Conservation because it is a minor subdivision that creates one (1) additional lot, and has no further subdivision potential based on zoning, forest conservation regulation addressed under WP-04-156.
- Previous County File Numbers: F-04-156, WP-04-129.
- This plot is subject to WP-04-129, which on October 7, 2004, was granted for the following sections:
 - Section 16.120(c)(2)(i) - to permit the required minimum distance of 25 feet between driveway for a pipestem lot to be reduced to 10.86 feet.
 - Section 16.120(b)(6)(iv) - to permit the required minimum distance of 10 feet between driveway for a pipestem lot and the project boundary to be reduced to zero feet.
 - Subject to the following conditions:
 - A shared driveway access and maintenance easement shall be indicated on lot 1, F-04-156 for the existing and proposed portions of the shared driveway.
- There are no wetlands, streams or 100-year floodplains on this site.
- Stormwater management (SWM) is being treated mainly by a stone trench that will meet the water quality, recharge and overbank protection (10-year storm management) volumes. This project is exempt from the channel protection storm requirement because the 1-year proposed discharge is less than 2 cfs. The proposed grading is being treated for SWM by the Disconnection of Non-rooftop Impervious Credit. These SWM measures shall be constructed in accordance with the approved Final Plan, F-04-156.
- For properties that front on a scenic roadway minimize tree and vegetation removal. In addition to requirements for protection of forests, steep slopes, streams and wetlands, emphasize the protection of vegetation adjacent to the scenic road, as well as mature trees and hedgerows visible from the road. Minimize grading; retain existing slopes along the scenic road frontage. Orient lots so that houses do not back up to a scenic road. If this cannot be avoided, houses should be sited as far as possible from the road and well screened.

SITE ANALYSIS DATA CHART

A. TOTAL PROJECT AREA: 1.0235 ACRES OR 29,521 S.F.
 B. LIMIT OF DISTURBED AREA: 18,700 S.F.
 C. PRESENTATION: R-20
 D. PROPOSED USES FOR LOTS AND STRUCTURES: RESIDENTIAL
 E. TOTAL NUMBER OF UNITS ALLOWED FOR PROJECT AS SHOWN ON FINAL PLAT: 1
 F. NUMBER OF PARKING SPACES REQUIRED BY HOWARD COUNTY ZONING REGULATIONS: 2.0
 G. NUMBER OF PARKING SPACES PROVIDED ON SITE: 3.0 (2 IN GARAGE, 1 IN DRIVEWAY)
 H. L-1
 I. L-2
 J. APPLICABLE DPZ FILE REFERENCES: F-04-156, WP-04-129



DRAWING LIST

SHEET NO.	DRAWING TITLE
1	SITE, GRADING, & SEDIMENT & EROSION CONTROL PLAN
2	LANDSCAPE PLAN
3	SEDIMENT CONTROL NOTES AND DETAILS

Address Chart

LOT/PARCEL	STREET ADDRESS
1	4872 ILCHESTER ROAD
2	4874 ILCHESTER ROAD

PERMIT INFORMATION CHART

SUBDIVISION NAME:	SECTION/AREA:	LOT/PARCEL NO.
CAVAUGHAN PROPERTY	N/A	2
PLAT # OR UF:	GRID:	TAX MAP NO.
423714 (724)	10	R-20
WATER CODE:	SEWER CODE:	ELECT. DISTRICT:
NO. 208-W	NO. 10-1214	FIRST
		CENSUS TRACT:
		8011.01

DATA SOURCES:

EX. BOUNDARY AND TOPOGRAPHY SHOWN HEREON ARE FROM A FIELD RUN SURVEY PERFORMED BY SHANBERGER & LANE, DATED 12/11/2003.

DeMario Design Consultants, Inc.

Winchester Exchange Building Phone: (410) 840-4499
 15 East Main Street, Suite 226 Fax: (410) 840-8866
 Westminster, MD 21157 eMail: DeMarioDesign@adelphia.net

OWNER / DEVELOPER:

EVELYN R. Cavanaugh
 4872 ILCHESTER ROAD
 ELLICOTT CITY, MD 21043

Cavanaugh Property Lot 2 Single Family Detached Dwelling

SITE DEVELOPMENT PLAN

FIRST ELECTION DISTRICT HOWARD COUNTY, MD

REVISIONS			
NO.	DESCRIPTION OF CHANGES	DRN. REV.	DATE
2	ADDRESS ADDITIONAL COMMENTS	JAI WRD	02/22/05
1	ADDRESS COMMENTS, REVISE HOUSE FOOTPRINT	JAI WRD	11/22/04

CO. FILE #: F-04-156 DES. BY: AJS

TAX ACC. #: 01-161415 DRN. BY: AJS/JAI

TAX MAP: 31 CHK. BY: WRD

BLOCK / GRID: 10 DATE: 8/23/04

PARCEL #: 464 DDC JOB#: 03011.1

ZONE / USE: R-20 SHEET NUMBER: 1 of 3

DWG. SCALE: 1\"/>

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

Section I - Vegetative Stabilization Methods and Materials

- A. Site Preparation
i. Install erosion and sediment control structures (either temporary or permanent) such as diversions, grade stabilization structures, berms, waterways, or sediment control basins.
ii. Perform all grading operations at right angles to the slope. Final grading and shaping is not usually necessary for temporary seeding.
iii. Schedule required soil test to determine soil amendment composition and application rates for sites having disturbed area over 5 acres.

- B. Soil Amendments (Fertilizer and Lime Specifications)
i. Soil test must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed area over 5 acres. Soil analysis may be performed by the University of Maryland or a recognized commercial laboratory.
ii. Fertilizers shall be uniform in composition, free flowing and suitable for accurate application by approved equipment.
iii. Lime materials shall be ground limestone (hydrated or burnt lime may be substituted) which contains at least 80% total oxides (calcium oxide plus magnesium oxide).
C. Seeded Preparation
i. Temporary Seeding
a. Seeded preparation shall consist of loosening soil to a depth of 3" to 5" by means of suitable agricultural or construction equipment.

- D. Seed Specifications
i. All seed must meet the requirements of the Maryland State Seed Law. All seed shall be subject to re-testing by a recognized seed laboratory.
ii. Inoculant - The inoculant for treating legume seed in the seed mixtures shall be a pure culture of the appropriate bacteria prepared specifically for the species.
E. Methods of Seeding
i. Hydroseeding: Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer), broadcast or drop seeder, or a cultipacker seeder.

- ii. Dry Seeding: This includes use of conventional drop or broadcast spreaders.
a. Seed spread dry shall be incorporated into the subsoil at the rates prescribed on the Temporary or Permanent Seeding Summaries of Tables 25 or 26.
b. Where practical, seed should be applied in two directions perpendicular to each other.
iii. Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil.
a. Cultipacking seeders are required to bury the seed in such a fashion as to provide at least 1/4 inch soil covering.
F. Mulch Specifications (in order of preference)
i. Straw shall consist of thoroughly threshed wheat, rye or oat straw, reasonably bright in color, and shall not be finely, medium, or coarsely cut, or excessively dust and shall be free of noxious weed seeds as specified in the Maryland Seed Law.

- G. Mulching Seeded Areas - Mulch shall be applied to all seeded areas immediately after seeding.
i. If grading is completed outside of the seeding season, mulch alone shall be applied as prescribed in this section and maintained until the seeding season returns and seeding can be performed in accordance with these specifications.
ii. When straw mulch is used, it shall be spread over all seeded areas at the rate of 2 tons/acre.
iii. Wood cellulose fiber used as a mulch shall be applied at a net dry weight of 1,500 lbs. per acre.
H. Securing Straw Mulch (Mulch Anchoring): Mulch anchoring shall be performed immediately following mulch application to minimize loss by wind or water.
I. Incremental Stabilization - Cut Slopes - See G-20-2
J. Incremental Stabilization - Fill Slopes - See G-20-7

- Notes:
A/ USED BY SHA ON SLOPED AREAS. ADD A LEGUME FOR SLOPES > THAN 3:1
B/ USED IN MEDIAN AREAS BY SHA. SHADE TOLERANT
C/ POPULAR MIX - PRODUCES PERMANENT GROUNDCOVER QUICKLY. BLUEGRASS QUICKENS STAND.
D/ BEST USE ON SHADY SLOPES NOT ON POORLY DRAINED CLAYS.
E/ USE ON LOW MAINTENANCE, STEEP SLOPES. USE TALL FESCUE IN DRAUGHTY CONDITIONS. CROWN VETCH BEST FOR 5b, 6a, 6b.
F/ SUITABLE FOR SEEDING IN MIDSUMMER.
G/ WEAVING LOVEGRASS MAY BE SEEDING WITH TALL FESCUE IN MID-SUMMER. SERECIA LESPEDEIZA IS BEST SUITED FOR ZONES 7a & 7b.
H/ USE ON POORLY DRAINED SOILS - DITCHES OR WATERWAYS. BIRDSFOOT TREFFOIL IS BEST FOR ZONES 5a, 6a ABOVE 2,000 FT.
I/ USE IN AREAS OF MOIST SHADE. POA TRIVIALIS THRIVES IN WET SHADY AREAS.
J/ TALL FESCUE MAY BE SEEDING ALONE. THE HARD FESCUE PROVIDES BETTER SHADE TOLERANCE AND PRODUCES A BETTER STAND.
K/ LOW FERTILITY GRASS. REQUIRES INFREQUENT MOWING. GOOD COMPANION FOR WILDFLOWERS.

TABLE 25: PERMANENT SEEDING FOR LOW MAINTENANCE AREAS

Table with columns for SEED MIX USE CERTIFIED MATERIAL IF AVAILABLE, PLANTING (LBS/AC, SQ. FT), SITE CONDITIONS, and a grid for species selection across different zones (5b, 6a, 6b, 7a, 7b) and moisture levels (MOIST TO DRY, MODERATELY DRY, DRY TO VERY DRY, WET TO MODERATELY DRY).

TABLE 26 TEMPORARY SEEDING RATES, DEPTHS, AND DATES

Table with columns for SPECIES, MINIMUM SEEDING RATES (PER ACRE, LBS/1000 SQ. FT., INCHES), PLANTING DEPTH, and SEEDING DATES for various zones (7a and 7b, 8a, 8b, 6a and 6b).

Note: Select one or more of the species or mixtures listed on Table 25 and enter in the Permanent Seeding Summary Below, along with application rates and dates. For special low maintenance areas, see Sections 2 and V. Turfgrass.

Table for SEED MIXTURE (HARDINESS ZONE) FROM TABLE 26, including columns for NO., SPECIES, APPLICATION RATE (LB/AC), SEEDING DATES, SEEDING DEPTHS, FERTILIZER RATE (10-10-10), and LIME RATE.

Section III - Permanent Seeding
Seeding grass and legumes to establish ground cover for a minimum period of one year on disturbed areas generally receiving low maintenance.

Table for Seed Mixture No. 3 (Hardiness Zone 7A), including columns for % Species, Application Rate (lb./ac.), Seeding Dates, Seeding Depths, Fertilizer Rate (N, P205, K2O), and Lime Rate.

SECTION IV - SOD

- To provide quick cover on disturbed areas (2:1 grade or flatter).
A. General Specifications
i. Class of Turfgrass sod shall be Maryland or Virginia State Certified or Approved. Sod labels shall be made available to the job foreman and inspector.
ii. Sod shall be machine cut of a uniform soil thickness of 3/4" plus or minus 1/4", at the time of cutting. Measurements for thickness shall exclude top growth and thatch. Individual pieces of sod shall be cut to the suppliers width and length. Maximum allowable deviation from standard widths and lengths shall be 5 percent. Broken pots and torn or uneven ends will not be acceptable.
iii. Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
iv. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.
v. Sod shall be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period shall be approved by an agronomist or soil scientist prior to its installation.
B. Sod Installation
i. During periods of excessively high temperature or in areas having dry subsoil, the subsoil shall be lightly irrigated immediately prior to laying the sod.
ii. The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Lateral joints shall be staggered to promote more uniform growth and strength. Ensure that sod is not stretched or overlapped and that all joints are butted tight in order to prevent weeds from coming up between the sods.
iii. Wherever possible, sod shall be laid with the long edges parallel to the contour and with staggering joints. Sod shall be rolled and tamped, pegged and otherwise secured to prevent slippage on slopes and to ensure solid contact between sod roots and the underlying soil surface.
iv. Sod shall be watered immediately following rolling or tamping until the underside of the new sod and an soil surface below the sod are thoroughly wet. The operations laying, tamping and irrigating for any piece of sod shall be completed within eight hours.

SECTION V - TURFGRASS ESTABLISHMENT

- Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will require a medium high level of maintenance. Areas to receive seed shall be tilled by disking or other approved methods to a depth of 2 to 4 inches, leveled and raked to prepare a proper seedbed. Stones and debris over 1/2 inches in diameter shall be removed. The resulting seedbed should be in such condition that future mowing of grasses will pose no difficulty.
Note: Choose certified material. Certified material is the best guarantee of cultivar purity. The certification program of the Maryland Department of Agriculture, Turf and Seed Section, provides a reliable means of consumer protection and assures a pure genetic line.
A. Turfgrass Mixtures
i. Kentucky Bluegrass - Full sun mixture - For use in areas that receive intensive management.
ii. Kentucky Bluegrass/Perennial Rye - Full sun mixture - For use in full sun areas where rapid establishment is necessary and when turf will receive medium to intensive management.
iii. Tall Fescue/Kentucky Bluegrass - Full sun mixture - For use in drought-prone areas and/or for areas receiving low to medium management in full sun to medium shade.
iv. Kentucky Bluegrass/Fine Fescue - Shade Mixture - For use in areas with shade in Bluegrass lawns.
Note: Turfgrass varieties should be selected from those listed in the most current University of Maryland Publication, Agronomy Manual #77, Turfgrass Cultivar Recommendations for Maryland.

- B. Ideal times of seeding:
Western MD: March 15 - June 1, August 1 - October 1 (Hardiness Zones - 5b, 6a)
Central MD: March 1 - May 15, August 15 - October 15 (Hardiness Zone - 6b)
Southern MD, Eastern Shore: March 15 - May 15, August 15 - October 15 (Hardiness Zones - 7a, 7b)
C. Irrigation
If soil moisture is deficient, supply new seedlings with adequate water for plant growth (1/2" - 1" every 3 to 4 days depending on soil texture) until they are firmly established. This is especially true when seedlings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites.
D. Repairs and Maintenance
Inspect all seeded areas for failures and make necessary repairs, replacements, and reseeding within the planting season.

- i. Once the vegetation is established, the site shall have 95% groundcover to be considered adequately stabilized.
ii. If the stand provides less than 40% ground cover, reestablish following original lime, fertilizer, seeded preparation and seeding recommendations.
iii. If the stand provides between 40% and 94% ground coverage, overseeding and fertilizing using half of the rates originally applied may be necessary.
iv. Maintenance fertilizer rates for permanent seedings are shown in Table 24. For lawns and other medium high maintenance turfgrass areas, refer to the University of Maryland publication 'Lawn Care in Maryland' Bulletin No. 171.

- DUST CONTROL
Definition: Controlling dust blowing and movement on construction sites and roads. Purpose to prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.
Conditions Where Practice Applies This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.
Specifications
1. Mulches-See standards for vegetative stabilization with mulches only. Mulch should be crimped or tacked to prevent blowing.
2. Vegetative Cover-See standards for temporary vegetative cover.
3. Tillage-To roughen surface and bring clods to the surface. This is an emergency method which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12' apart, spring-toothed harrows and similar plows are examples of equipment which may produce the desired effect.
4. Irrigation-This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Repeat as needed. At no time should the site be irrigated to the point that runoff begins to flow.
5. Barriers-Solid board fences, silt fences, snow fences, burlap fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 10 times their height are effective in controlling soil blowing.
6. Calcium Chloride-Apply at rates that will keep soil moist. May need retreatment.

- Permanent Methods
1. Permanent Vegetation-See standards for permanent vegetative cover, and permanent stabilization with sod. Existing trees or large shrubs may afford valuable protection if left in place.
2. Topsoiling-Covering with less erosive materials. See standards for topsoiling.
3. Stone-Cover surface with crushed stone or coarse gravel.
References
1. Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
2. Agriculture Information Bulletin 354. How to Control Wind Erosion. USDA-ARS.

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 vegetative 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
I. This practice is limited to areas having 2:1 or flatter slopes where:
a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
b. 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.
c. The original soil to be vegetated contains material toxic to plant growth.
d. The soil is so acidic that treatment with limestone is not feasible.

- II. 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

- I. 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-SCS in cooperation with Maryland Agricultural Experiment Station.
II. Topsoil Specifications - Soil to be used as topsoil must meet the following:
i. 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 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.

- ii. Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
iii. 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. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
III. For sites having disturbed areas over 5 acres:
i. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
a. pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
b. Organic content of topsoil shall be not less than 1.5 percent by weight.
c. Topsoil having soluble salt content greater than 500 parts per million shall not be used.
d. No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phytotoxic materials.
Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

- ii. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

V. Topsoil Application

- i. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4"-8" higher in elevation.
iii. Topsoil shall be uniformly distributed in a 4" - 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that loading or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
iv. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition. Topsoiling on a muddy or frozen subsoil may result in a condition that may otherwise be detrimental to proper grading and seeded preparation.

- VI. Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:
i. Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be selected to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
a. Composted sludge: shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition) to compost by the Maryland Department of the Environment under COMAR 26.04.06.
b. Composted sludge shall contain at least percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 6.0 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 square feet.
ii. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.

- References: Guideline Specifications, Soil Preparation and Sodding, MD-V A, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes, Revised 1975.

OWNER / DEVELOPER:

EVELYN R. CAVANAUGH
4872 ILLCHESTER ROAD
ELLCOTT CITY, MD 21043

SITE ADDRESS:

4872 ILLCHESTER ROAD
ELLCOTT CITY, MD 21043

SEDIMENT CONTROL NOTES & DETAILS

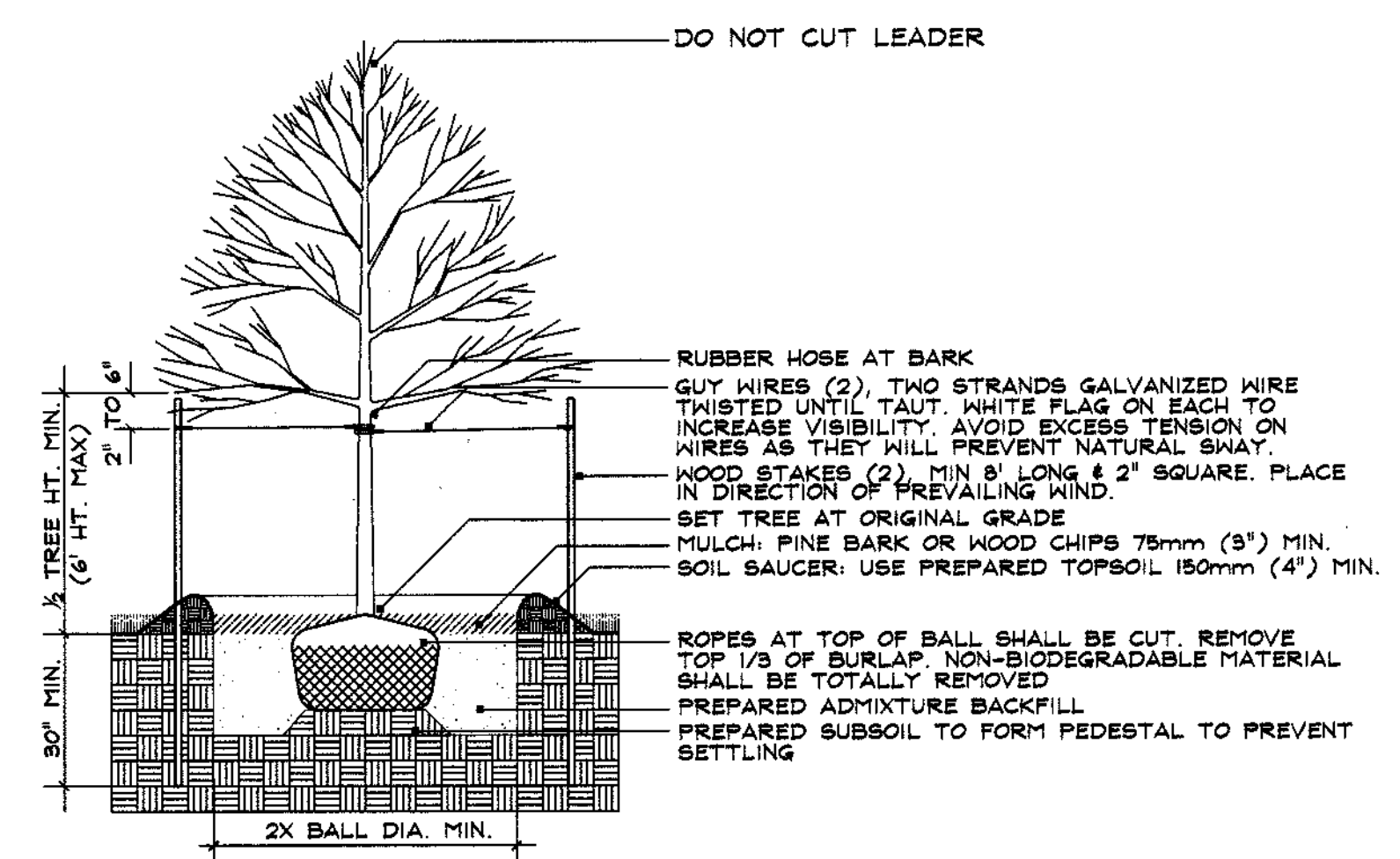
FIRST ELECTION DISTRICT HOWARD COUNTY, MD

Table with columns for REVISIONS, NO., DESCRIPTION OF CHANGES, DRN., REV., DATE.

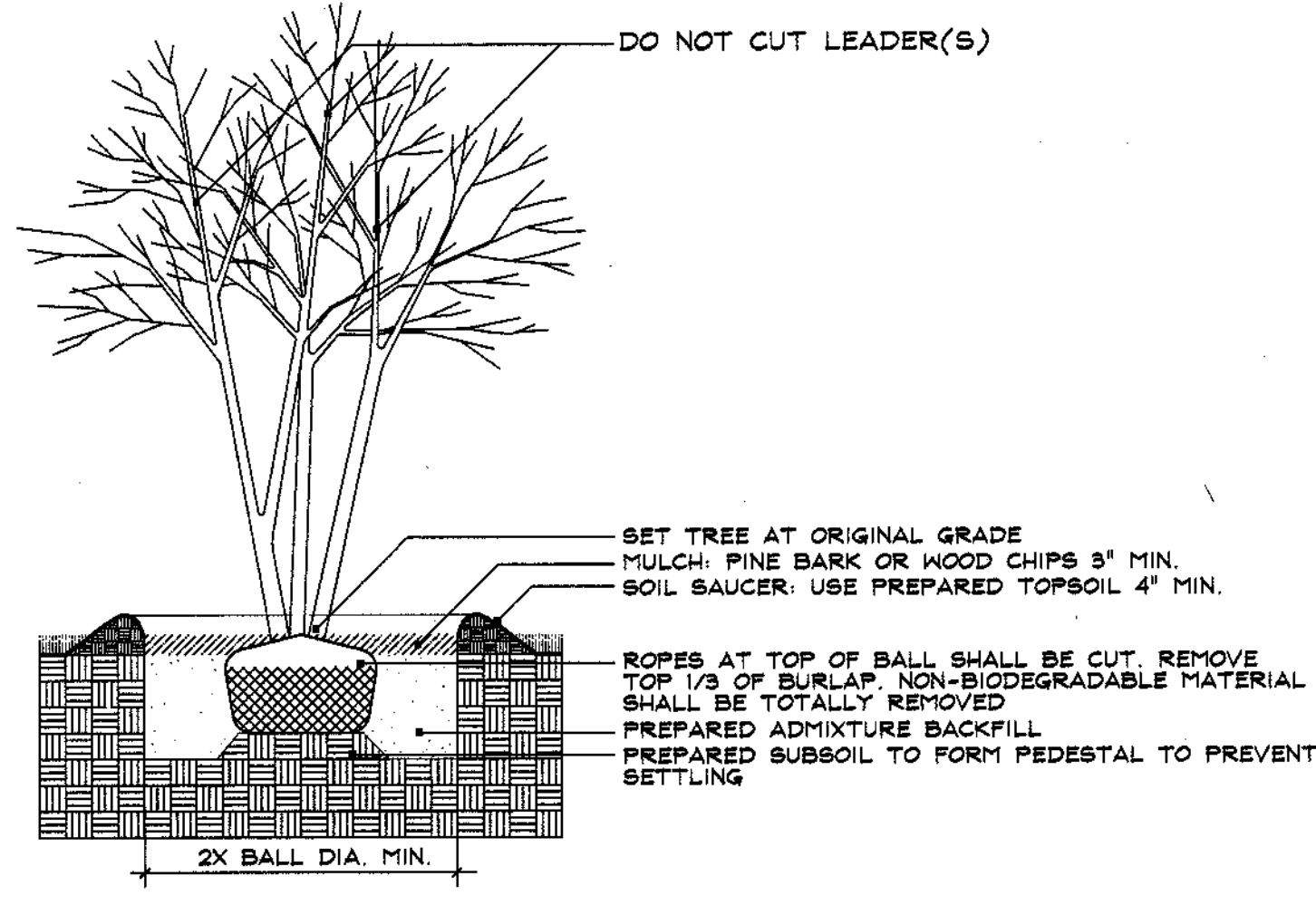
Table with columns for CO. FILE #, F-04-156, DES. BY: AJS, TAX ACC. #, 01-161415, DRN. BY: AJS/AJ, TAX MAP #, 31, CHK. BY: AJS, BLOCK / GRID, 10, DATE: 8/24/04, PARCEL #, 484, DDC JOB#: 03011.1, ZONE / USE, R-20, SHEET NUMBER, DWG. SCALE: 1"=30', 3 of 3.

ENGINEER'S CERTIFICATE and DEVELOPER'S CERTIFICATE sections with signatures and dates. Includes DeMario Design Consultants, Inc. logo and contact information.

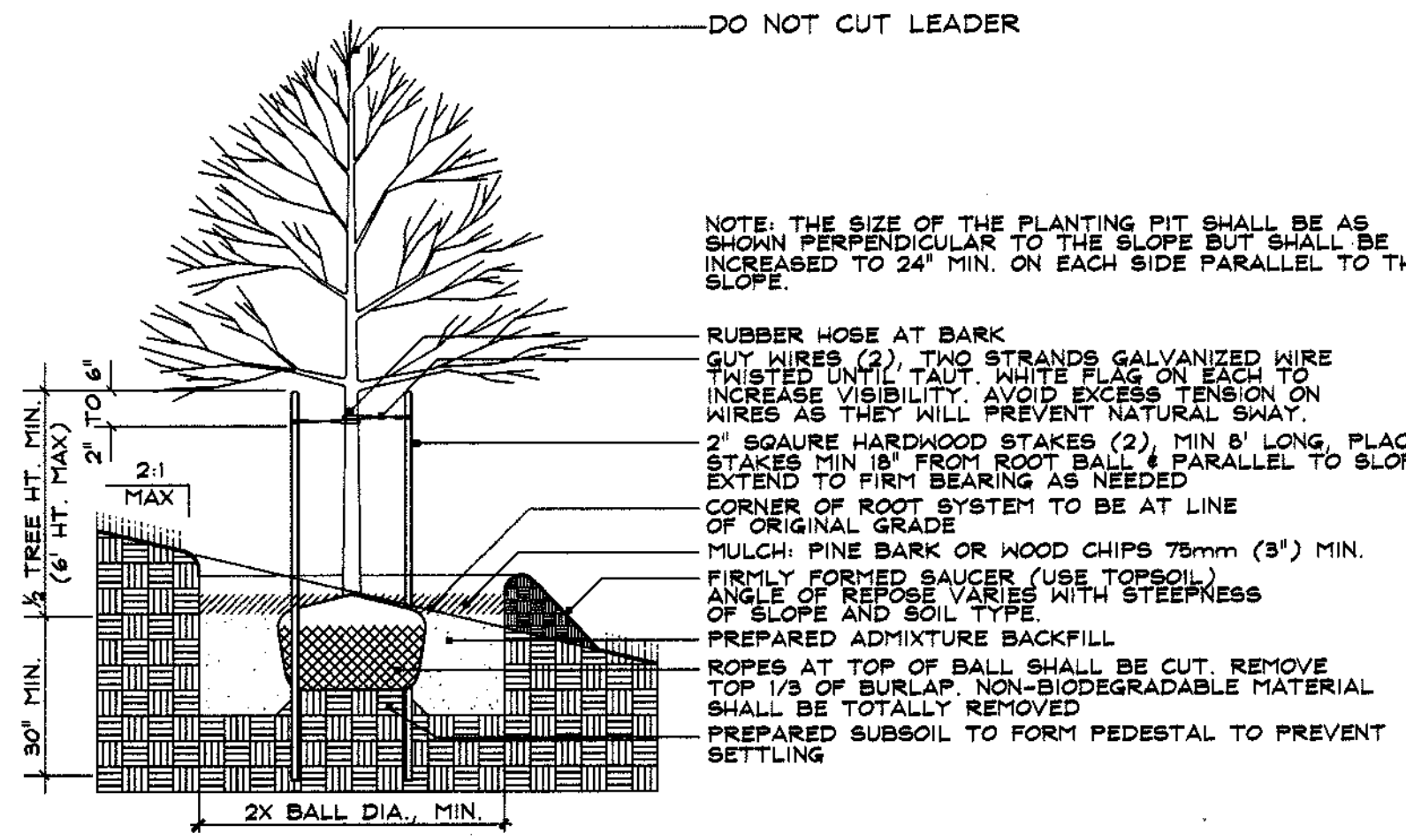
Reviewed for HOWARD SCD and meets Technical Requirements. Includes signatures of Howard SCD representatives and dates.



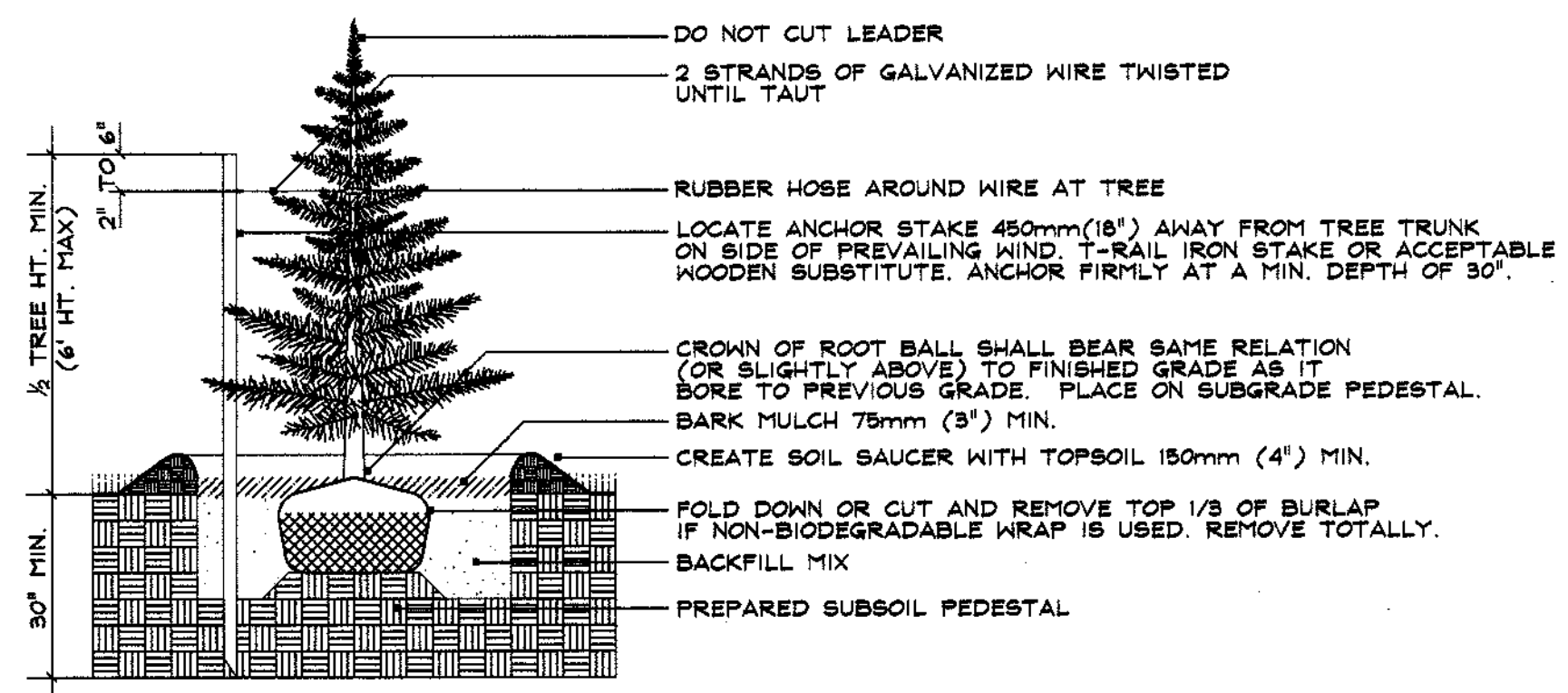
DECIDUOUS TREE PLANTING (LESS THAN 3° CAL.)
N.T.S.



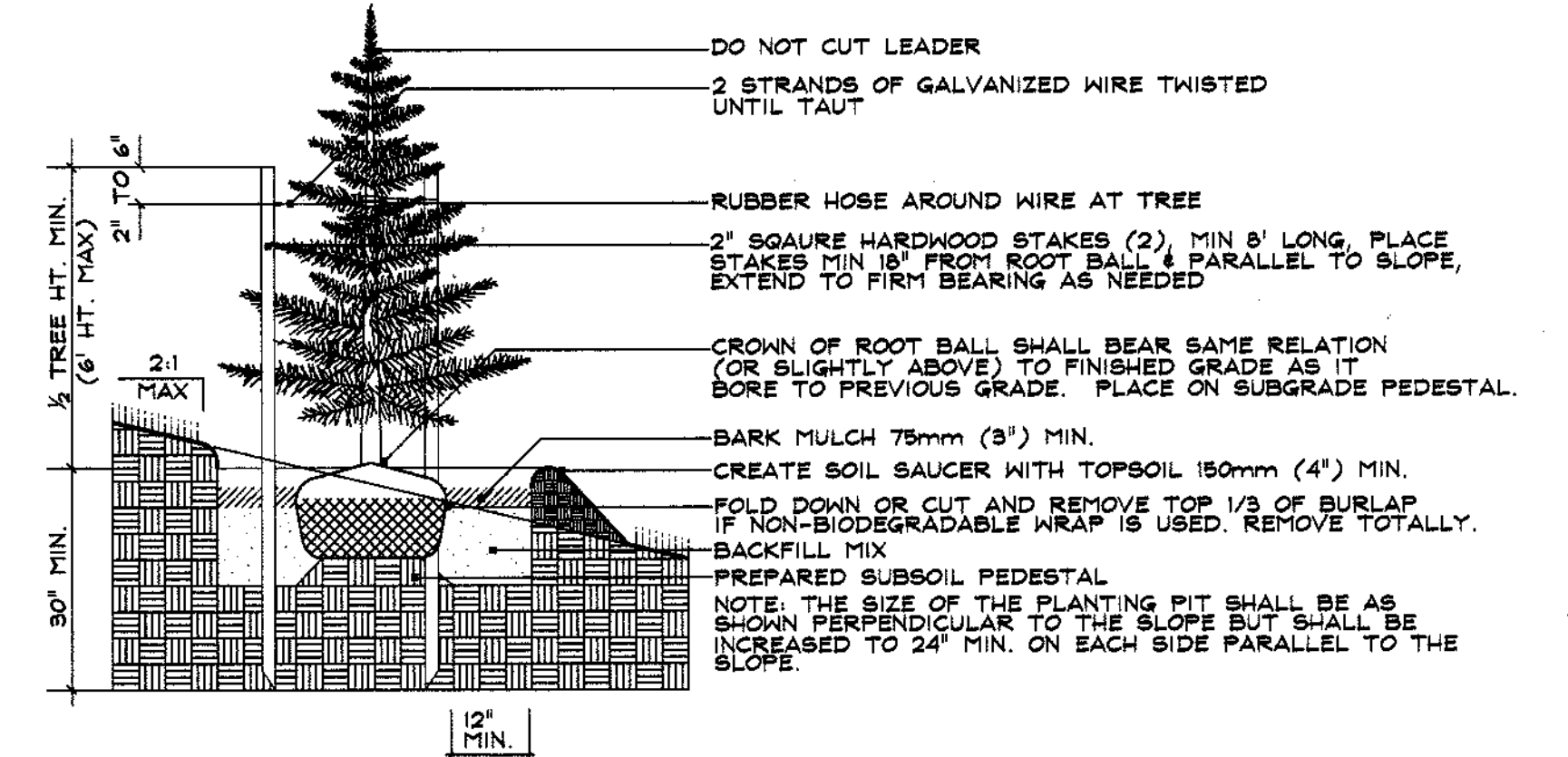
DECIDUOUS MULTI-STEM TREE PLANTING
N.T.S.



DECIDUOUS TREE PLANTING ON SLOPE (LESS THAN 3° CAL.)
N.T.S.



EVERGREEN TREE PLANTING
N.T.S.



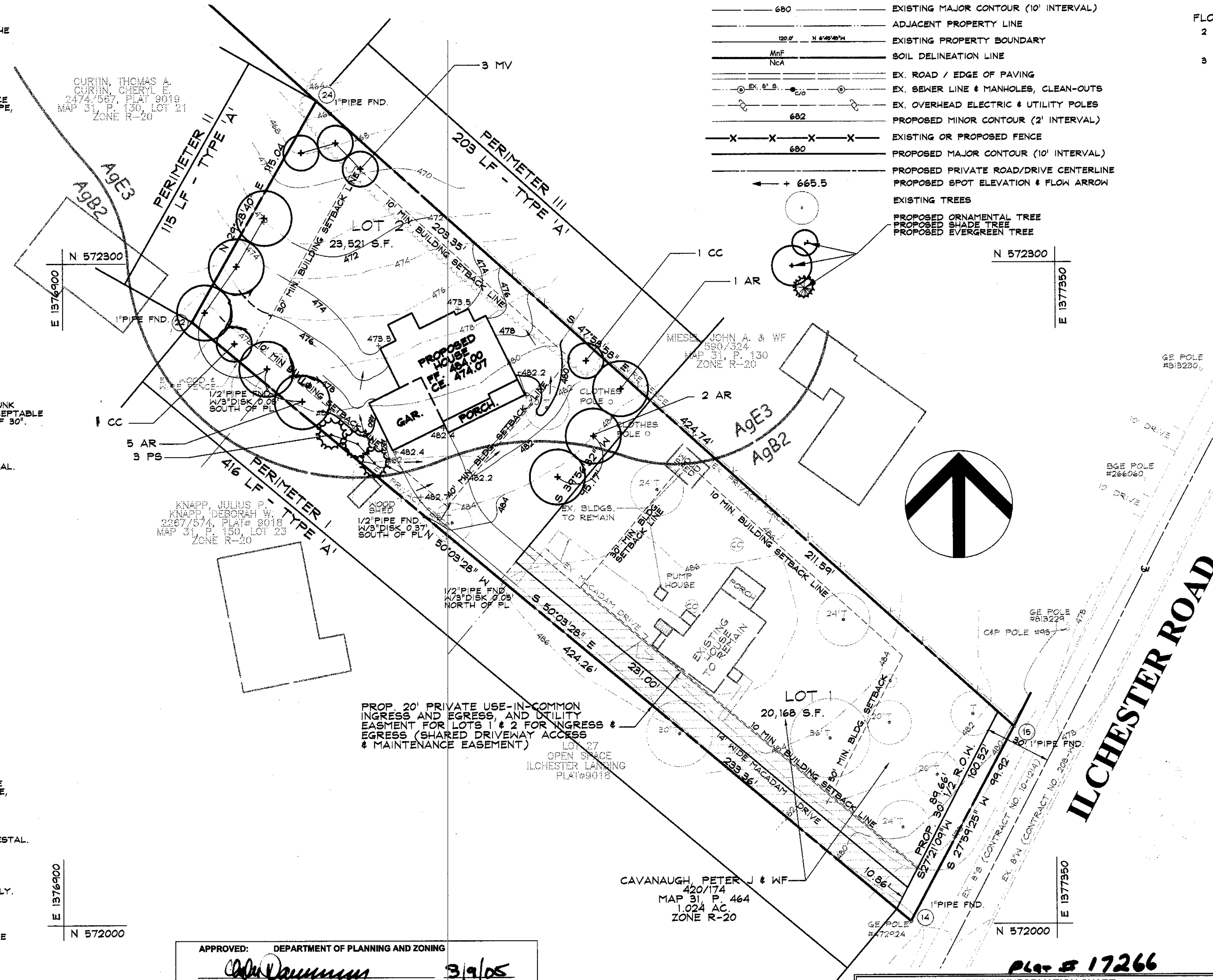
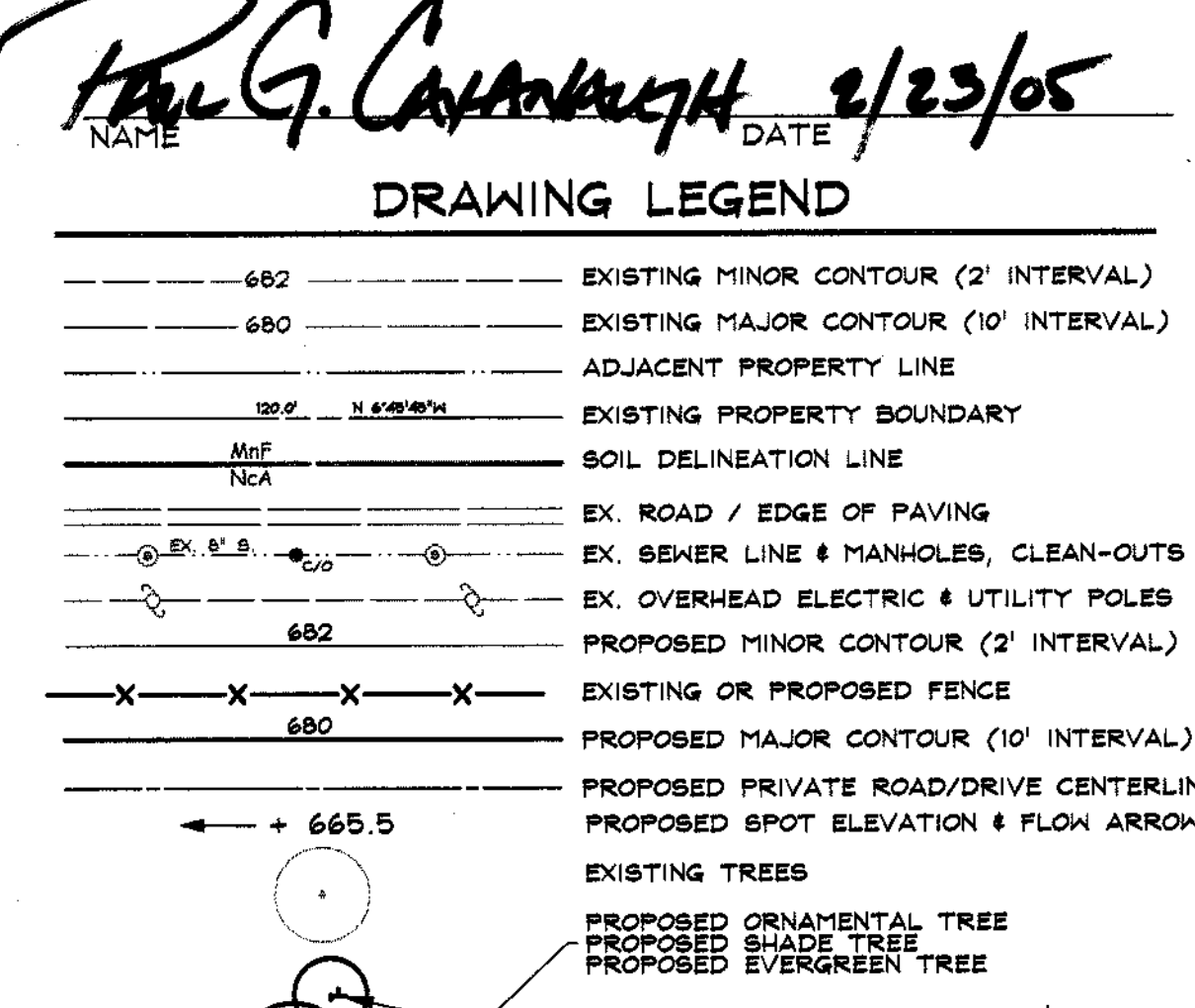
EVERGREEN TREE PLANTING ON SLOPE
N.T.S.

General Planting Notes

- All plant materials to meet A.N.L.A. Standards.
- The Contractor is to follow specification guidelines for Baltimore & Washington Metropolitan Area as approved by the L.C.A. of Maryland, Washington D.C., & Virginia and described in the latest edition of "Landscape Specification Guidelines."
- No substitutions are to be made without the consent of the Landscape Architect and/or the Owner.
- All beds are to be topped with three (3) inches of hardwood mulch.
- Contractor shall notify Miss Utility at: 1 (800) 287-7777, at least 72 hours prior to construction and verify the location of all utilities with the Owner before planting.
- Landscape Architect/Owner shall select, verify, and/or approve all plant material. At the Owner's discretion, specimen and other plant material may be selected.
- The Landscape Contractor shall coordinate with the general, lighting, & irrigation contractors regarding timing and installation of plant material. At the time of final inspection with acceptance, all electric, water & drainage utilities, as well as plant material, shall remain undamaged. Likewise, the Landscape Contractor and utility contractors shall coordinate efforts to ensure that surface utilities are at the proper elevation relative to final grades.
- 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 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.
- This plan has been prepared in accordance with the provisions of Section 16.124 of the Ho. Co. Code. Financial surty for the required landscaping in the amount of \$3600.00 must be posted as part of the Developer's Agreement (8 shade trees, 3 evergreen trees and 3 ornamental trees).
- Developer/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 Code and the Howard County Landscape Manual. I/We further certify that, upon completion, a certification of landscape installation, accompanied by an executed one-year guarantee of the plant materials, will be submitted to the Department of Planning and Zoning.

Paul G. Cavanaugh 2/23/05
NAME DATE



Category	Adjacent to Roadways	Adjacent to Perimeter Properties		
		A	A	A
Landscape Type	N/A	A	A	A
Linear Feet of Roadway Frontage Perimeter	N/A	PI - 416 L.F.	P II - 115 L.F.	P III - 203 L.F.
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe Below if needed)	N/A	N/A	N/A	N/A
Credit for Wall, Fence or Berm (Describe Below if needed)	N/A	N/A	N/A	N/A
Number of Plants Required Shade Trees Evergreen Trees Shrubs	N/A	7 0 0	2 0 0	3 0 0
Number of Plants Provided Shade Trees Evergreen Trees Other Trees (2:1 substitution) Shrubs (10:1 substitution) (Describe plant substitution credits below if needed)	N/A	5 0 0	2 0 0	1 0 4

NOTE: B) THREE EVERGREEN TREES AND ONE FLOWERING TREE HAVE BEEN SUBSTITUTED FOR TWO SHADE TREES
C) NO SUBSTITUTIONS HAVE BEEN MADE
D) FOUR FLOWERING TREES HAVE BEEN SUBSTITUTED FOR TWO SHADE TREES

PLANT LIST

QTY	SYM	BOTANICAL NAME/ COMMON NAME	SIZE	REMARKS
5	AR	ACER RUBRUM 'RED SUNSET'	2 1/2' - 3' CAL.	B & B
		RED SUNSET RED MAPLE	12' - 14' HT.	
EVERGREEN TREES				
3	PS	PINUS STROBUS	6' - 8' HT.	B & B
		EASTERN WHITE PINE		
FLOWERING TREES				
2	CC	CERCIS CANADENSIS	8' - 10' HT.	
		EASTERN REDBUD		
3	MV	MAGNOLIA VERGINIANA	8' - 10' HT.	
		SHEETBAY MAGNOLIA		

DATA SOURCES:
EX. BOUNDARY AND TOPOGRAPHY SHOWN HEREON ARE FROM A FIELD RUN SURVEY PERFORMED BY SHANBERGER & LANE, DATED 12/11/2003.

DeMario Design Consultants, Inc.
Winchester Exchange Building
15 East Main Street, Suite 228
Westminster, MD 21157
Phone: (410) 840-4499
Fax: (410) 840-8866
eMail: DeMarioDesign@adelphia.net

OWNER / DEVELOPER:
EVELYN R. CAVANAUGH
4872 ILCHESTER ROAD
ELLCOTT CITY, MD 21043

SITE ADDRESS:
4872 ILCHESTER ROAD
ELLCOTT CITY, MD 21043

CAVANAUGH PROPERTY LOT 2
SINGLE FAMILY DETACHED DWELLING

LANDSCAPE PLAN

FIRST ELECTION DISTRICT HOWARD COUNTY, MD

NO.	DESCRIPTION OF CHANGES	DRN.	REV.	DATE
1	ADD ENTIRE SOUTHWEST PROPERTY LINE TO PERIMETER	JAI	AJS	11/22/04

CO. FILE #: F-04-156
DES. BY: AJS
TAX ACC. #: 01-161415
DRN. BY: AJS/JAI
TAX MAP: 31
CHK. BY: AJS
BLOCK / GRID: 10
DATE: 8/24/04
PARCEL #: 464
DDC JOB#: 03011.1
ZONE / USE: R-20
SHEET NUMBER:
DWG. SCALE: 1"=30'
2 of 3

APPROVED: DEPARTMENT OF PLANNING AND ZONING

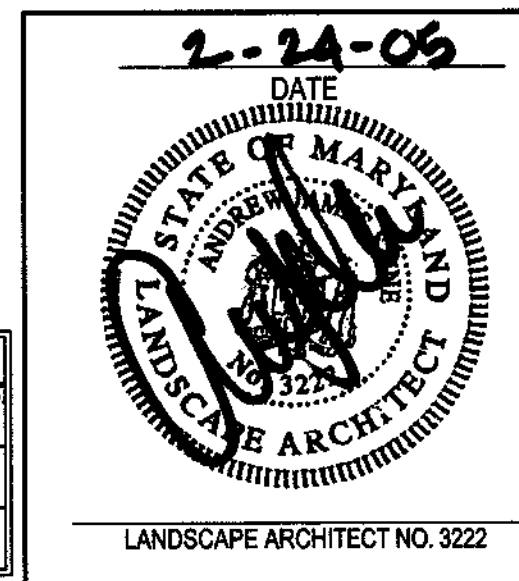
John M. ... 3/9/05
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE

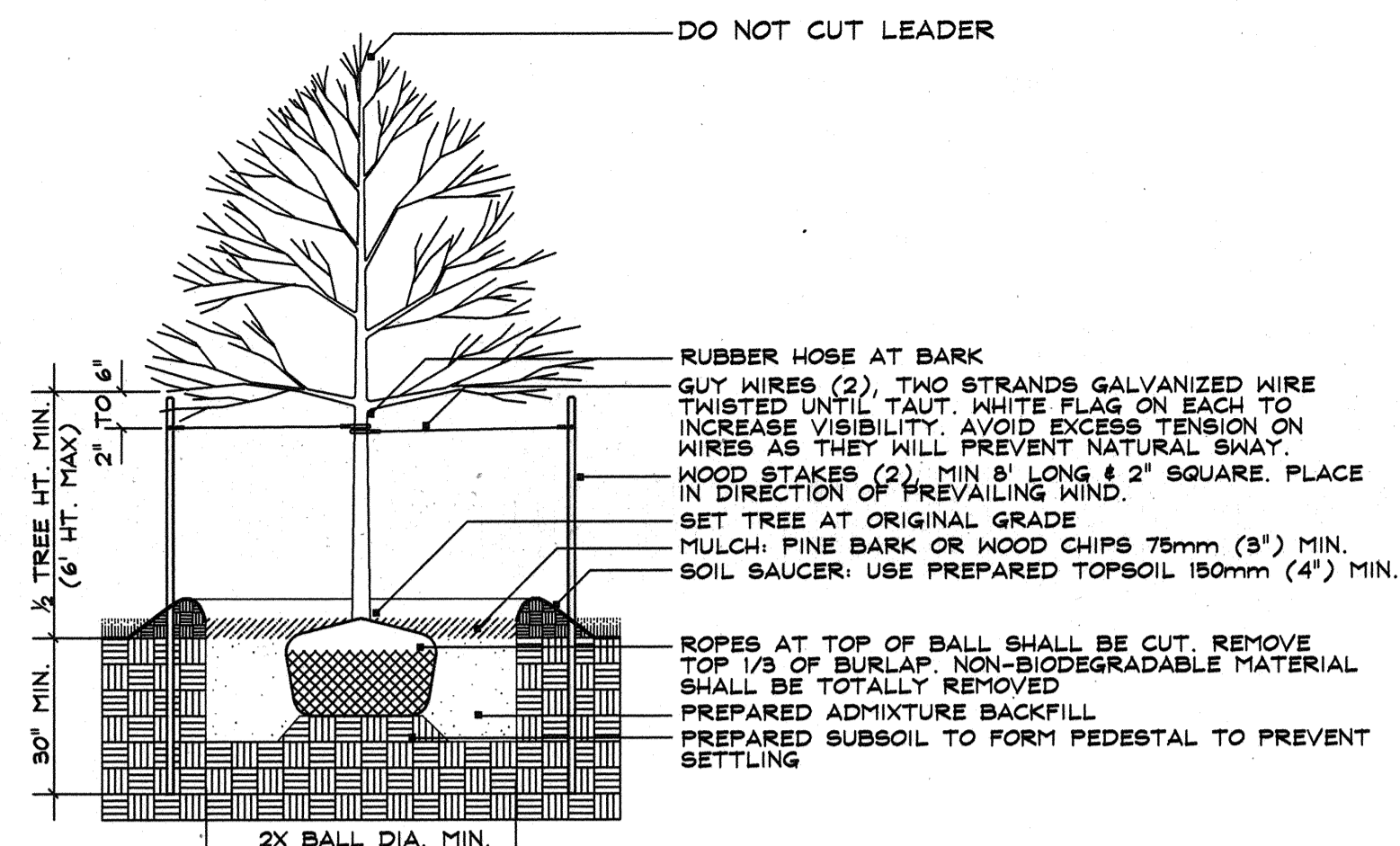
John M. ... 3/11/05
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE

John M. ... 3/11/05
DIRECTOR
DATE

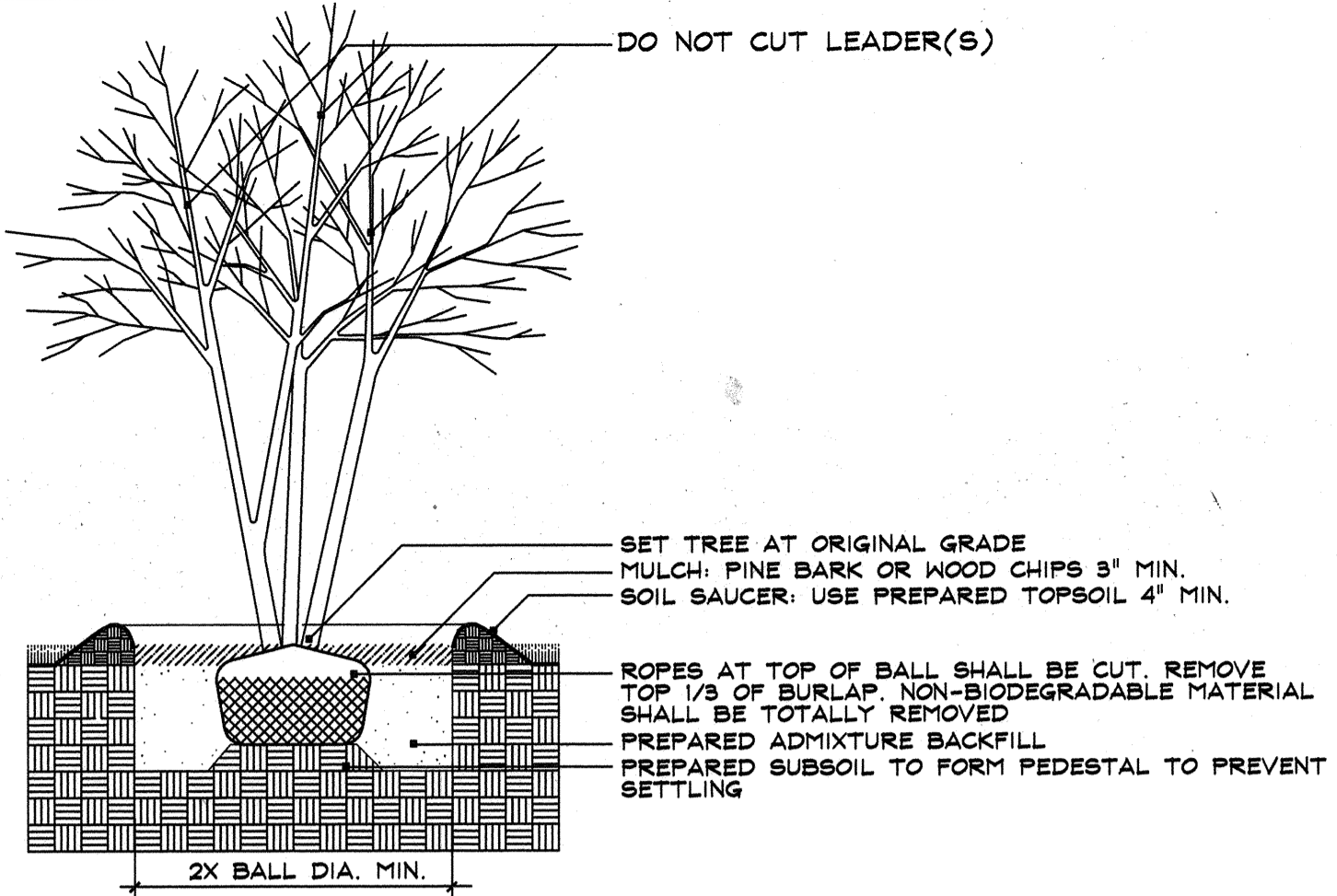
PERMIT INFORMATION CHART

SUBDIVISION NAME:	SECTION/AREA:	LOT/PARCEL NO.:
CAVANAUGH PROPERTY	N/A	2
PI AT # R/LF	GRID#	ZONING
420/14	1744	R-20
WATER CODE	SEWER CODE	CENSUS TRACT
NO. 208-W	NO. 10-1214	6011.01

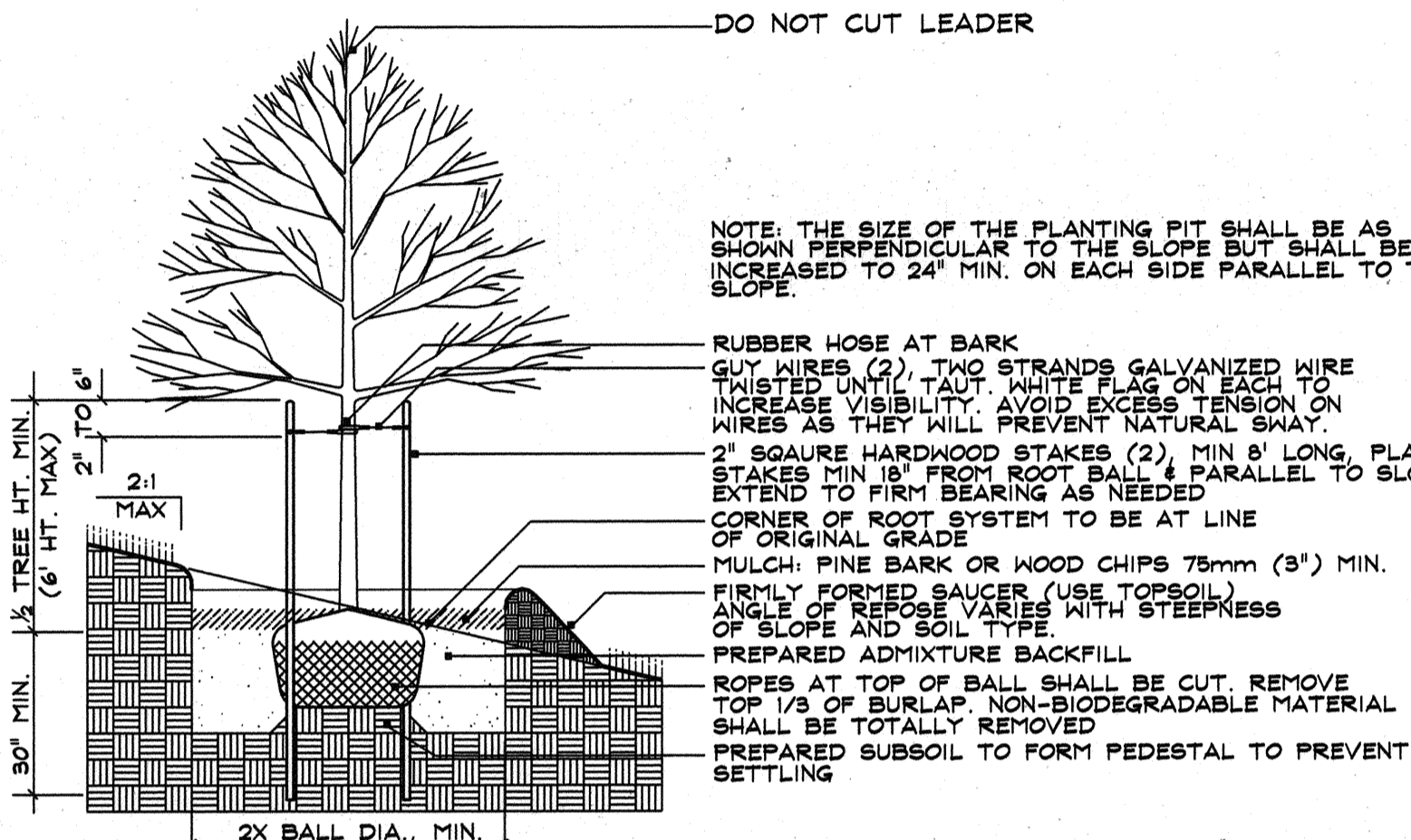




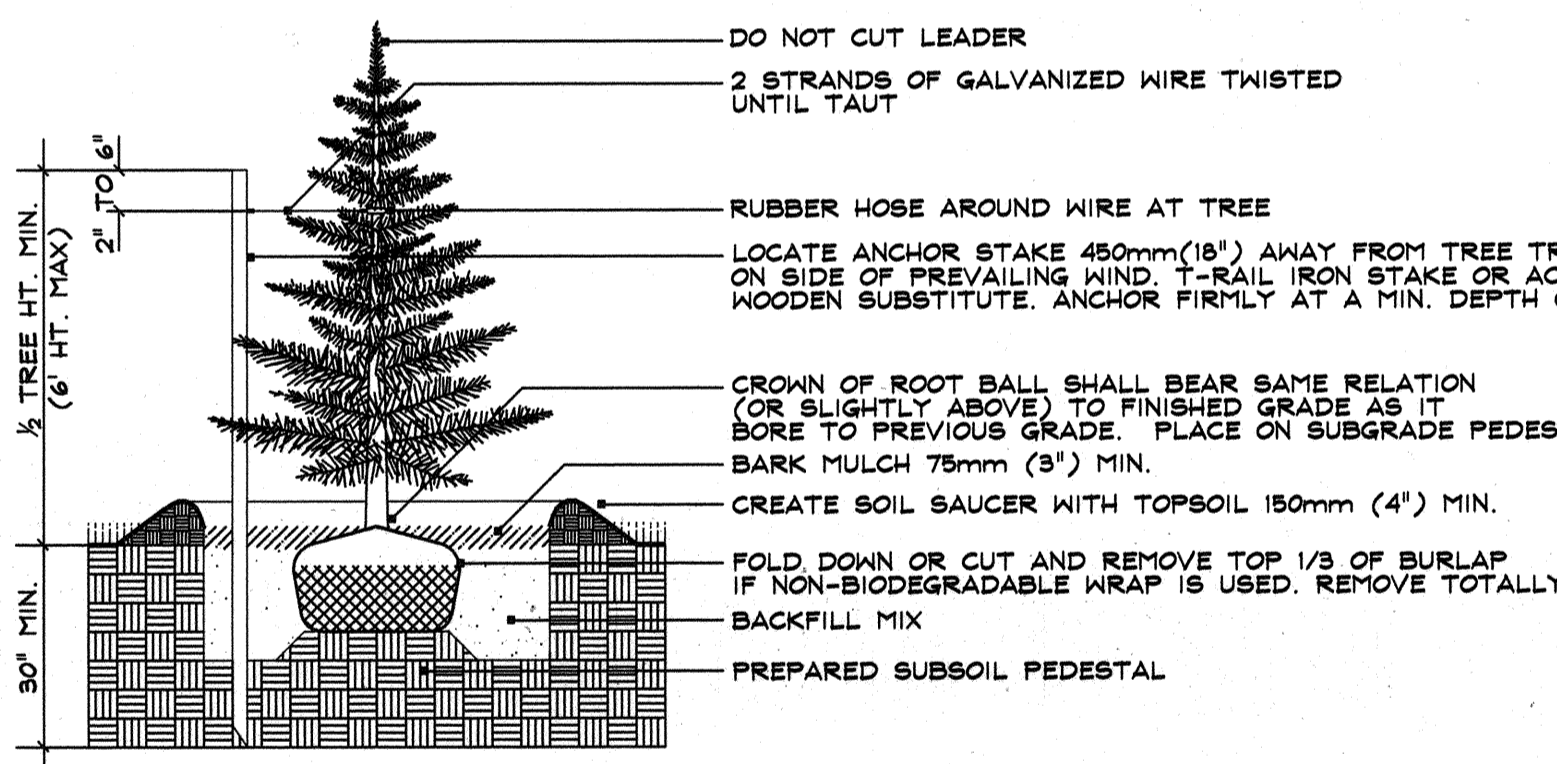
DECIDUOUS TREE PLANTING (LESS THAN 3" CAL.)
N.T.S.



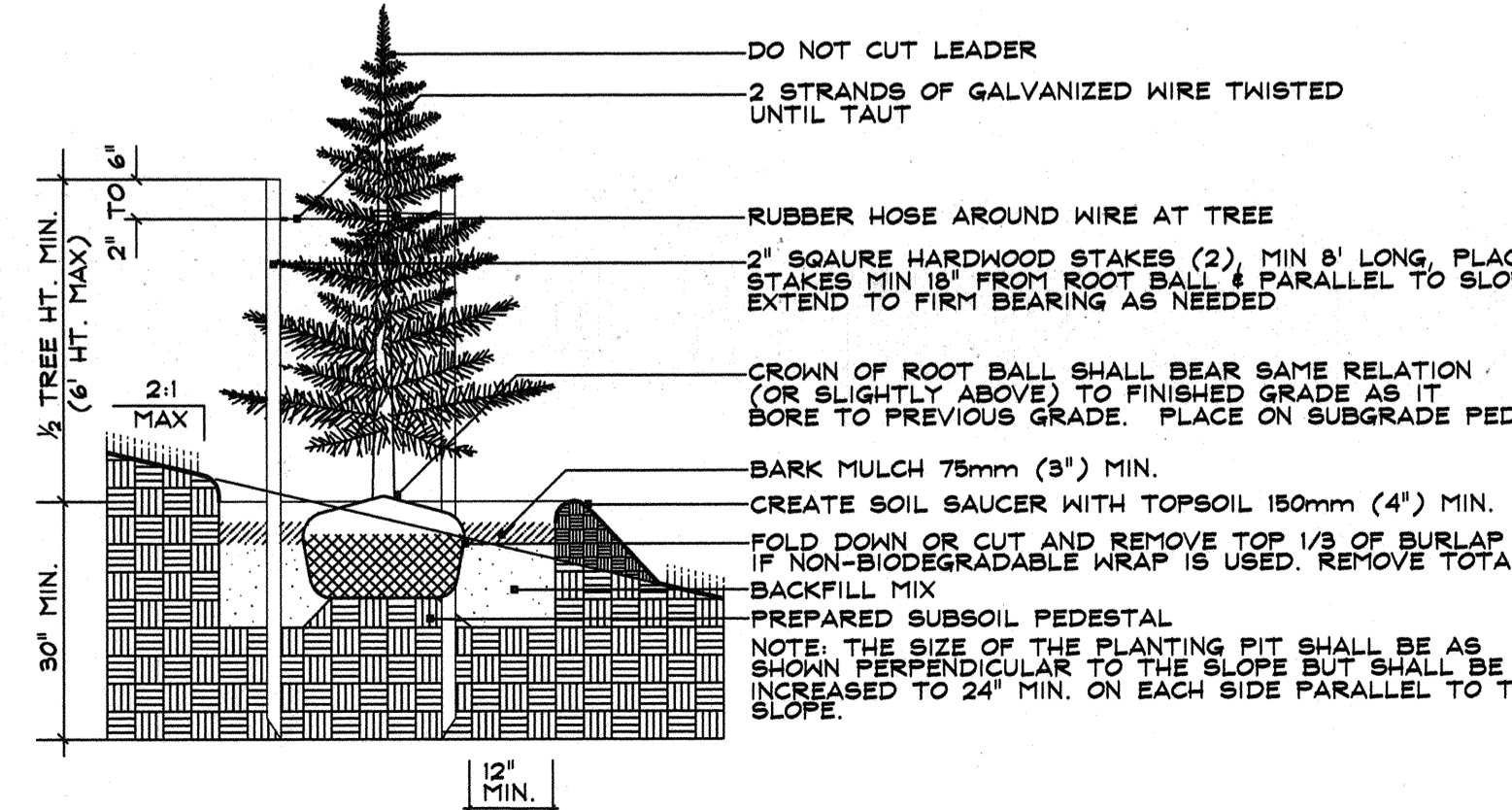
DECIDUOUS MULTI-STEM TREE PLANTING
N.T.S.



DECIDUOUS TREE PLANTING ON SLOPE (LESS THAN 3" CAL.)
N.T.S.



EVERGREEN TREE PLANTING
N.T.S.



EVERGREEN TREE PLANTING ON SLOPE
N.T.S.

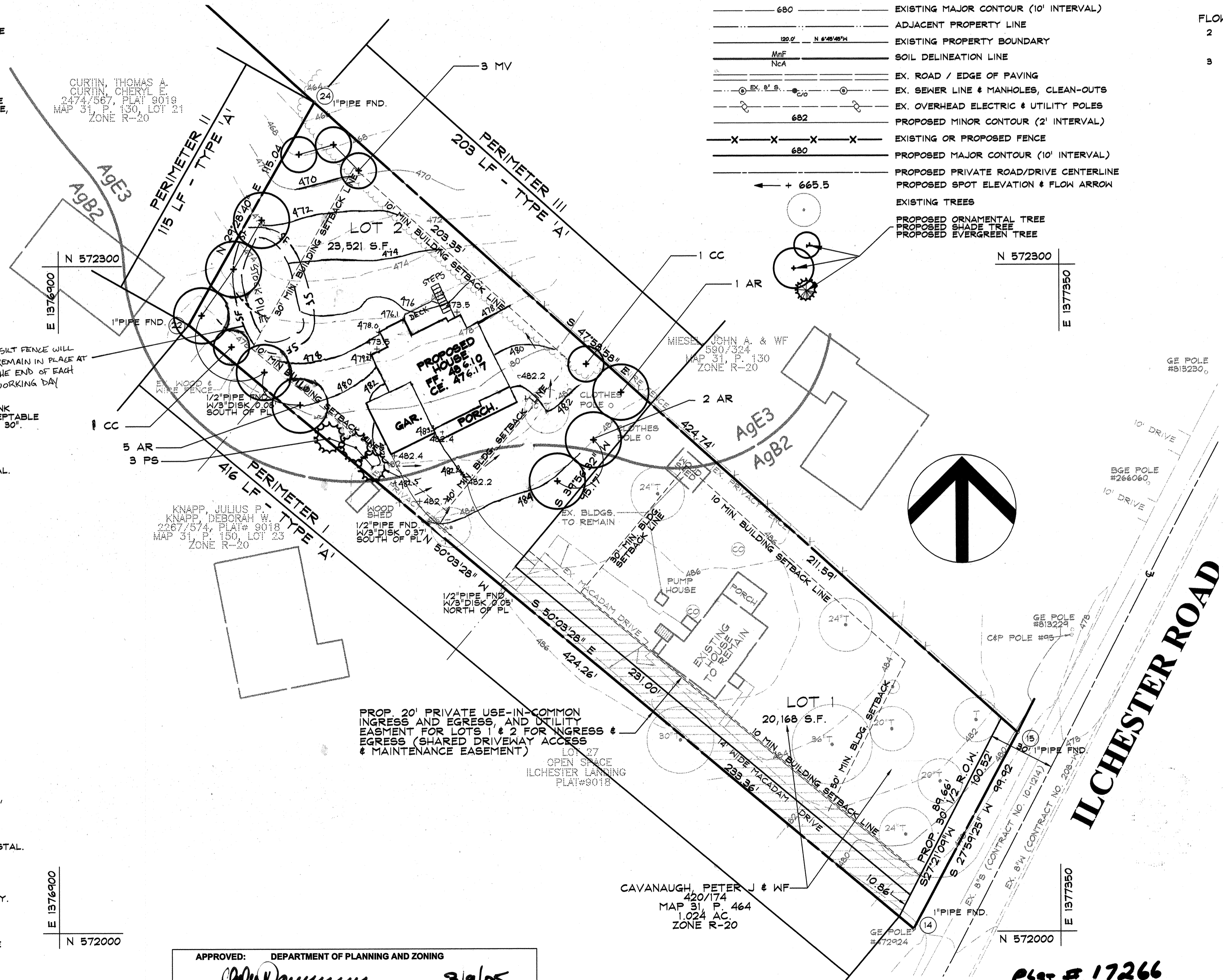
- General Planting Notes**
- All plant materials to meet A.N.L.A. Standards.
 - The Contractor is to follow specification guidelines for Baltimore & Washington Metropolitan Area as approved by the L.C.A. of Maryland, Washington D.C., & Virginia and described in the latest edition of "Landscape Specification Guidelines."
 - No substitutions are to be made without the consent of the Landscape Architect and/or the Owner.
 - All beds are to be topped with three (3) inches of hardwood mulch.
 - Contractor shall notify Miss Utility at (1-800) 287-7777, at least 72 hours prior to construction and verify the location of all utilities with the Owner before planting.
 - Landscape Architect/Owner shall select, verify, and/or approve all plant material. At the Owner's discretion, specimen and other plant material may be selected.
 - The Landscape Contractor shall coordinate with the general, lighting, & irrigation contractors regarding timing and installation of plant material. At the time of final inspection with acceptance, all electric, water, & drainage utilities, as well as plant material, shall remain undamaged. Likewise, the Landscape Contractor and utilities contractors shall coordinate efforts to ensure that surface utilities are at the proper elevation relative to final grades.
 - 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 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.
 - This plan has been prepared in accordance with the provisions of Section 16.124 of the Ho. Co. Code. Financial surety for the required landscaping in the amount of \$3600.00 must be posted as part of the Developer's Agreement (8 shade trees, 5 evergreen trees and 5 ornamental trees).
 - Developer/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 Code and the Howard County Landscape Manual. I/We further certify that, upon completion, a certification of landscape installation, accompanied by an executed one-year guarantee of the plant materials, will be submitted to the Department of Planning and Zoning.

Paul G. Cavanaugh 2/23/05
NAME DATE

DRAWING LEGEND

- 682 --- EXISTING MINOR CONTOUR (2' INTERVAL)
- 680 --- EXISTING MAJOR CONTOUR (10' INTERVAL)
- --- ADJACENT PROPERTY LINE
- --- EXISTING PROPERTY BOUNDARY
- M/F NCA SOIL DELINEATION LINE
- EX. ROAD / EDGE OF PAVING
- EX. SEWER LINE & MANHOLES, CLEAN-OUTS
- EX. OVERHEAD ELECTRIC & UTILITY POLES
- 682 --- PROPOSED MINOR CONTOUR (2' INTERVAL)
- X X X X EXISTING OR PROPOSED FENCE
- 680 --- PROPOSED MAJOR CONTOUR (10' INTERVAL)
- + 665.5 --- PROPOSED PRIVATE ROAD/DRIVE CENTERLINE
- --- PROPOSED SPOT ELEVATION & FLOW ARROW
- EXISTING TREES
- PROPOSED ORNAMENTAL TREE
- PROPOSED SHADE TREE
- PROPOSED EVERGREEN TREE



Category	Adjacent to Roadways	Adjacent to Perimeter Properties		
Landscape Type	N/A	A	A	A
Linear Feet of Roadway Frontage Perimeter	N/A	PI - 416 L.F.	PII - 115 L.F.	PIII - 203 L.F.
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe Below if needed)	N/A	N/A	N/A	N/A
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe Below if needed)	N/A	N/A	N/A	N/A
Number of Plants Required	N/A	7	2	3
Shade Trees		0	0	0
Evergreen Trees		0	0	0
Shrubs		0	0	0
Number of Plants Provided	N/A	5	2	1
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
(Describe plant substitution credits below if needed)				

NOTE: [I] THREE EVERGREEN TREES AND ONE FLOWERING TREE HAVE BEEN SUBSTITUTED FOR TWO SHADE TREES
[II] NO SUBSTITUTIONS HAVE BEEN MADE
[III] FOUR FLOWERING TREES HAVE BEEN SUBSTITUTED FOR TWO SHADE TREES

PLANT LIST

QTY	SYM	BOTANICAL NAME/ COMMON NAME	SIZE	REMARKS
8	AR	ACER RUBRUM 'RED SUNSET'	2 1/2' - 3' CAL.	B & B
		RED SUNSET RED MAPLE	12' - 14' HT.	
EVERGREEN TREES				
3	PS	PINUS STROBUS	6' - 8' HT.	B & B
		EASTERN WHITE PINE		
FLOWERING TREES				
2	CC	CERCIS CANADENSIS	8' - 10' HT.	
		EASTERN REDBUD		
3	MV	MAGNOLIA VIRGINIANA	8' - 10' HT.	
		SWEETBAY MAGNOLIA		

DATA SOURCES:
EX BOUNDARY AND TOPOGRAPHY SHOWN HEREON ARE FROM A FIELD RUN SURVEY PERFORMED BY SHANABERGER & LANE, DATED 12/11/2003.

DeMario Design Consultants, Inc.
Winchester Exchange Building
15 East Main Street, Suite 226
Westminster, MD 21157
Phone: (410) 840-4499
Fax: (410) 840-8886
eMail: DeMarioDesign@adelphia.net

OWNER / DEVELOPER:
EVELYN R. CAVANAUGH
4872 ILCHESTER ROAD
ELLCOTT CITY, MD 21043

SITE ADDRESS:
4872 ILCHESTER ROAD
ELLCOTT CITY, MD 21043

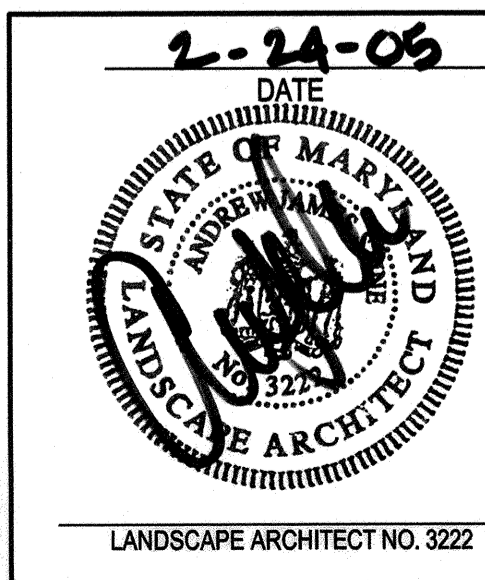
CAVANAUGH PROPERTY LOT 2
SINGLE FAMILY DETACHED DWELLING

LANDSCAPE PLAN

FIRST ELECTION DISTRICT HOWARD COUNTY, MD

NO.	DESCRIPTION OF CHANGES	DRN.	REV.	DATE
1	REVISE HOUSE & GARADIN, ADD DECK	JAI	JAI	09/24/05
2	ADD ENTIRE SOUTHWEST PROPERTY LINE TO PERIMETER	JAI	AJS	11/22/04

CO. FILE #:	F-04-156	DES. BY:	AJS
TAX ACC. #:	01-161415	DRN. BY:	AJS/JAI
TAX MAP:	31	CHK. BY:	AJS
BLOCK / GRID:	10	DATE:	8/24/04
PARCEL #:	464	DDC JOB#:	03011.1
ZONE / USE:	R-20	SHEET NUMBER:	
DWG. SCALE:	1"=30'		2 of 3



APPROVED: DEPARTMENT OF PLANNING AND ZONING

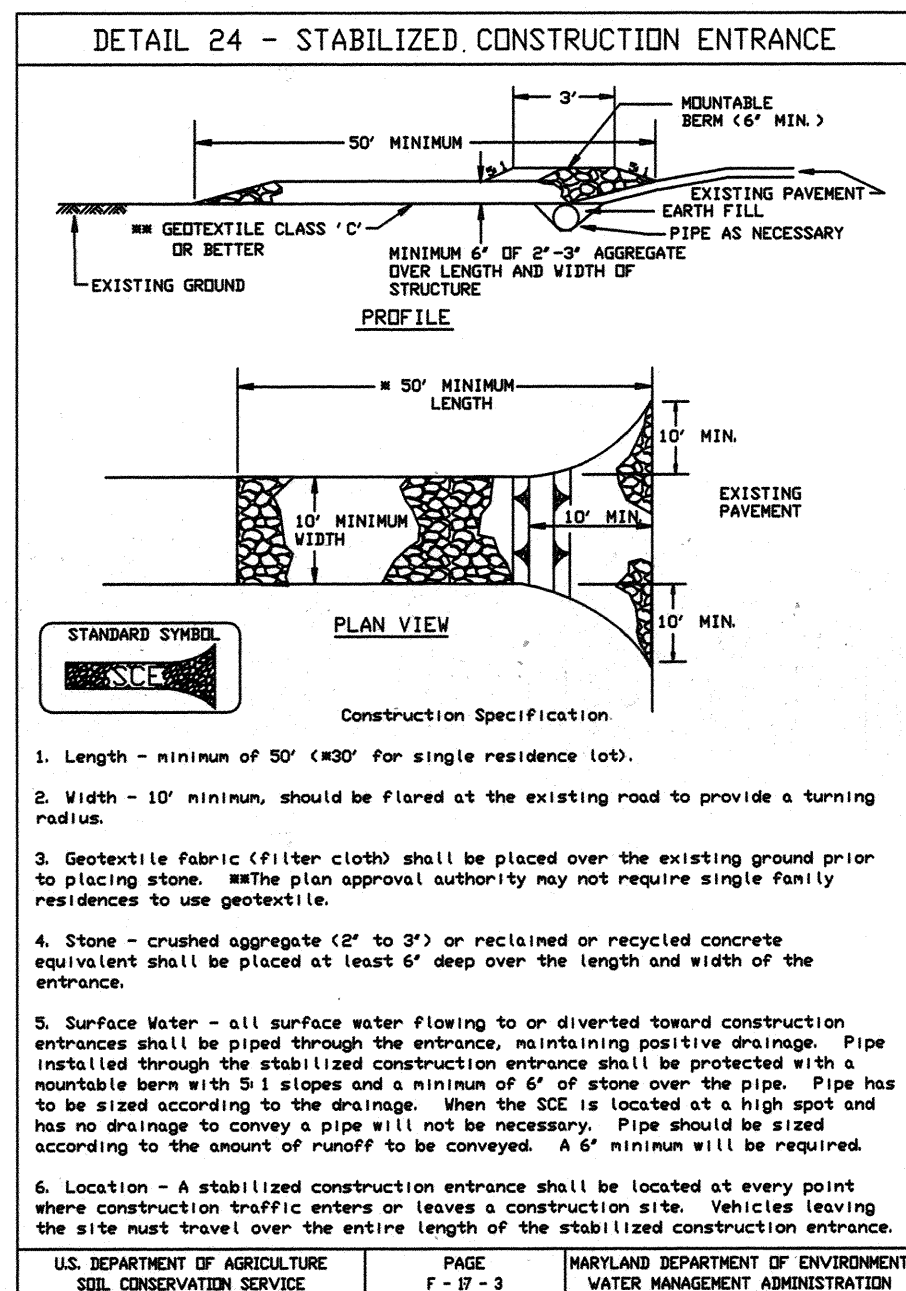
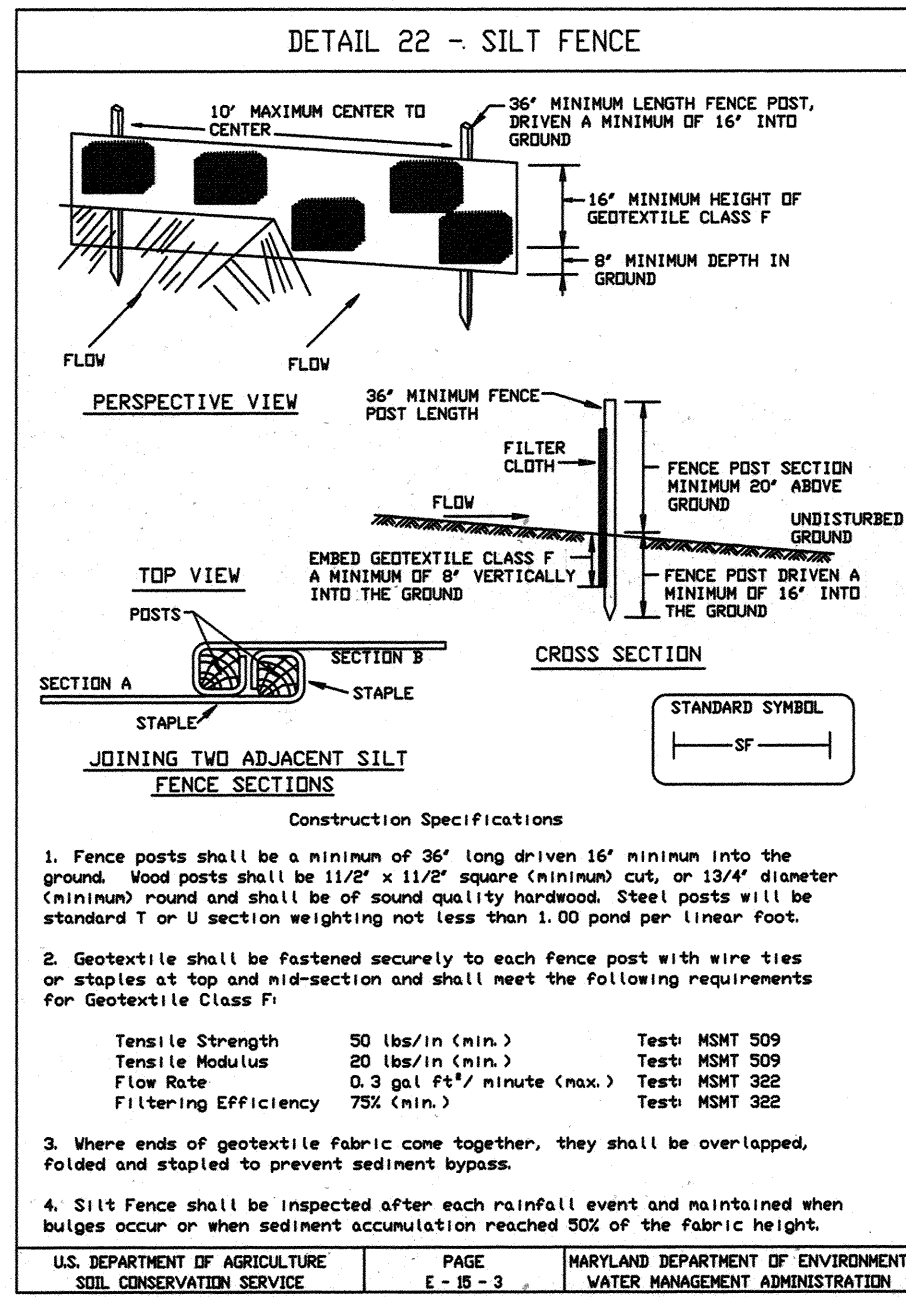
Paul G. Cavanaugh 3/9/05
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Paul G. Cavanaugh 3/11/05
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Paul G. Cavanaugh 3/14/05
DIRECTOR DATE

PERMIT INFORMATION CHART

SUBDIVISION NAME:	CAVANAUGH PROPERTY	SECTION/AREA:	N/A	LOT/PARCEL NO:	2
PLAT # OR L.F.:	420714 17266	TAX MAP NO.:	31	ELECT. DISTRICT:	FIRST
GRID#:	10	ZONING:	R-20	CENSUS TRACT:	8011.01
WATER CODE NO. 208-W:		SEWER CODE NO. 10-1214:			



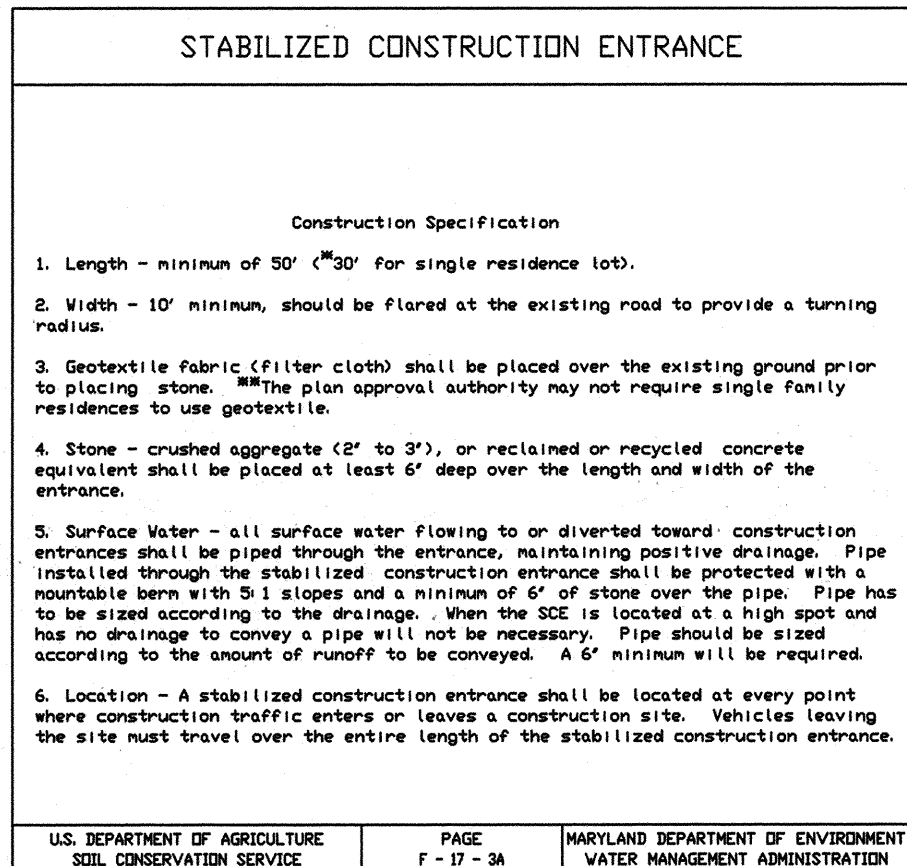
SILT FENCE

Silt Fence Design Criteria

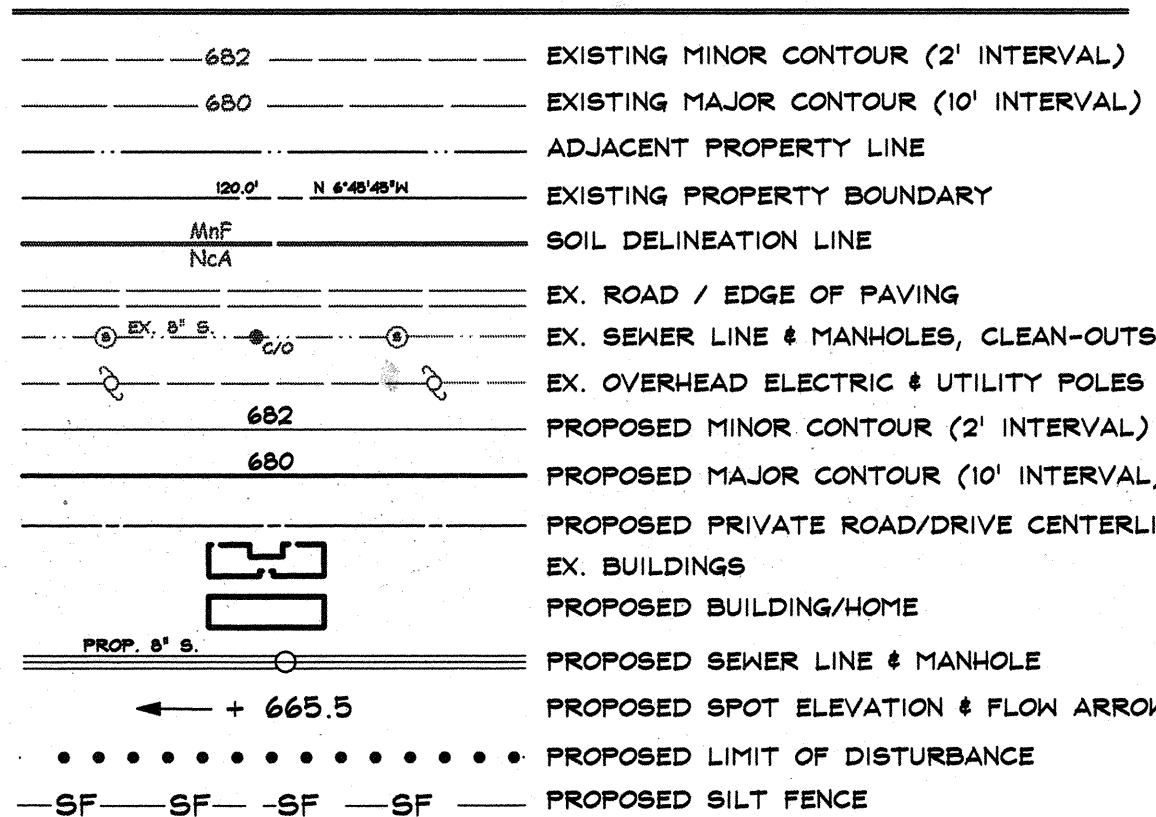
Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

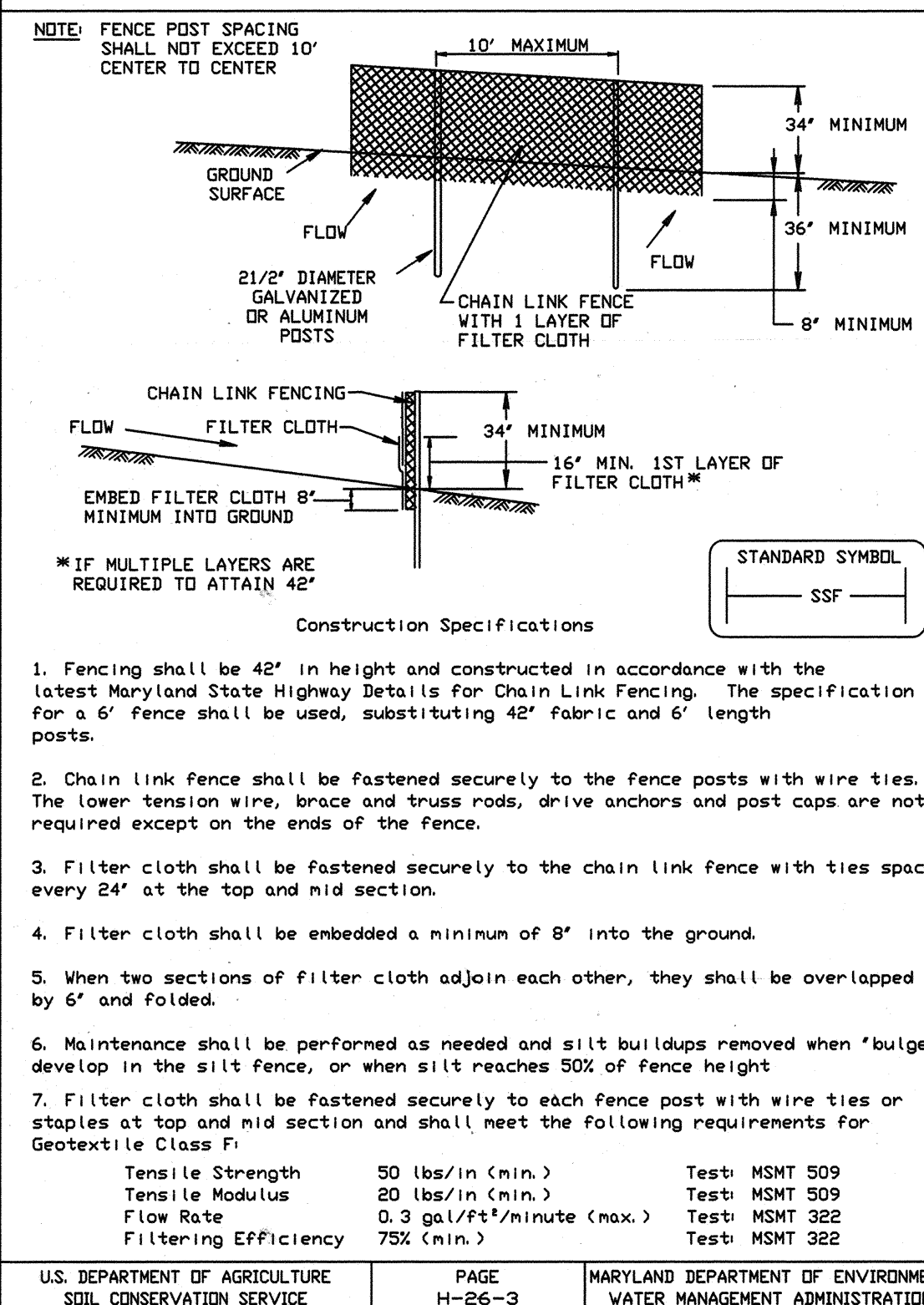
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-18-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



DRAWING LEGEND

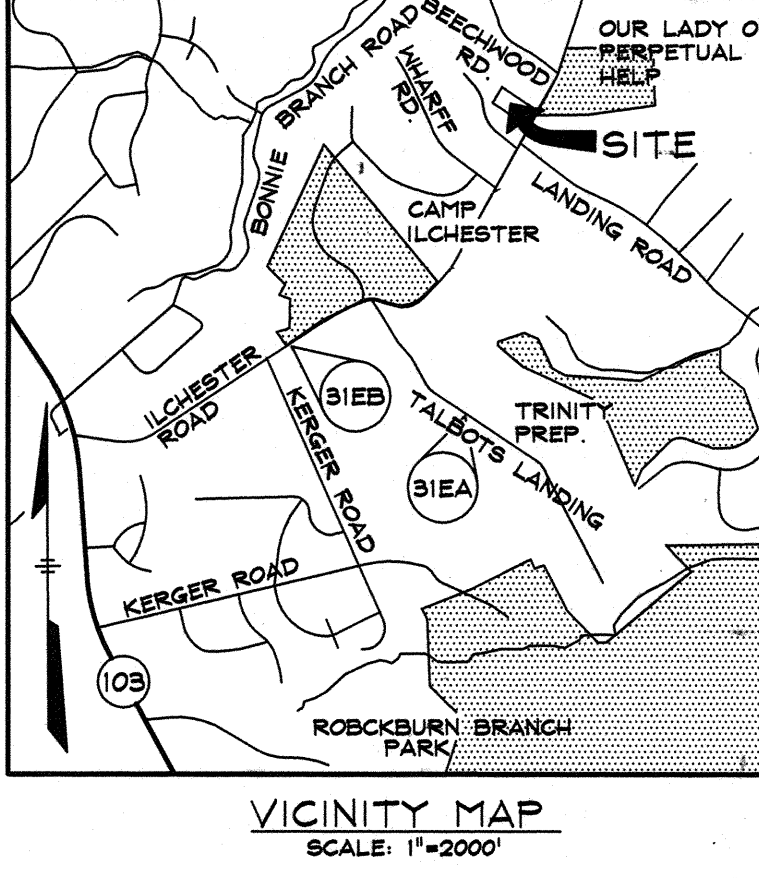


DETAIL 33 - SUPER SILT FENCE



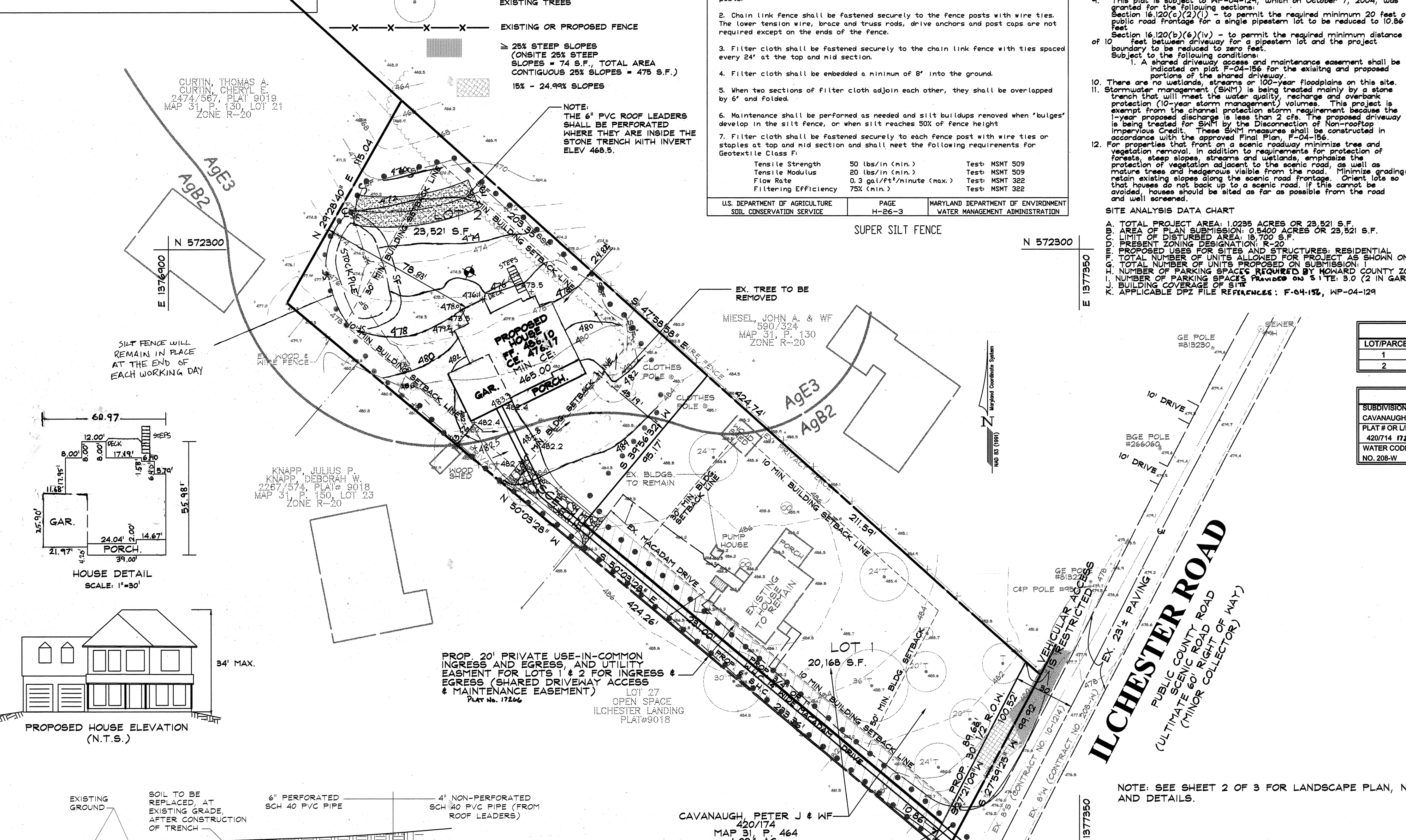
General Notes

- The subject property is zoned R-20 per the 02/02/04 comprehensive zoning plan.
- In accordance with section 12B of the Howard County Zoning Regulations, any window, chimney or exterior stairway that more than 16 feet in width may project not more than 4 feet into any setback, porch or deck, open or enclosed may project not more than 10 feet into the front or rear yard setback (applies for residential SDPs).
- No clearing, grading or construction is permitted within the required wetlands, stream(s) or their buffers or forest conservation easement areas.
- Driveways shall be provided prior to issuance of a use and occupancy permit for any new dwellings to insure safe access for fire emergency vehicles. The following minimum requirements:
 - Surface - 12" (14" serving more than one residence);
 - Geometry - max. 15% grade, max. 10% grade change and min. 45' turning radius;
 - Structures (culverts/bridges) - capable of supporting 25 gross tons (25) loading;
 - Drainage elements - capable of safely passing 100-year flood with no more than 1 foot of water above the driveway surface;
 - Depth over the driveway surface;
 - Maintenance - sufficient to insure all weather use.
- This plan is exempt from the provisions of the provisions of Section 16.124 of the Howard County Code and the Landscape Ordinance.
- Financial surety for the required landscaping will be posted with the builder/developer's grading permit application in the amount of \$30,000 for 8 shade trees, 3 evergreen trees and 3 ornamental trees.
- This project is exempt from the requirements of Section 16.1200 of the Howard County Code for Forest Conservation because it is a minor subdivision that creates one (1) additional lot and has no further subdivision potential based on existing zoning, forest conservation requirement addressed under F-04-156.
- Previous County File Numbers: F-04-156, WP-04-129.
- This plan is subject to WP-04-129, which on October 7, 2004, was granted for the following sections:
 - Section 16.1200(c)(2)(i) - to permit the required minimum 20 feet of public road frontage for a single pipelot lot to be reduced to 10.86 feet.
 - Section 16.1200(b)(6)(iv) - to permit the required minimum distance of 10 feet between driveway for a pipelot lot and the project boundary to be reduced to zero feet.
 Subject to the following conditions:
 - A shared driveway access and maintenance easement shall be indicated on the F-04-156 for the existing and proposed portions of the shared driveway.
 - There are no wetlands, streams or 100-year floodplains on this site.
 - Stormwater management (SWM) is being treated mainly by a stone trench that will meet the water quality, recharge and overbank protection (10-year storm management) volumes. This project is exempt from the channel protection storm requirement because the 1-year proposed discharge is less than 2 cfs. The proposed driveway is being treated for SWM by the Disconnection of Non-roof Impervious Credit. These SWM measures shall be constructed in accordance with the approved Final Plan.
 - For properties that front on a scenic roadway minimize tree and vegetation removal. In addition to requirements for protection of forests, steep slopes, streams and wetlands, emphasize the protection of vegetation adjacent to the scenic road, as well as mature trees and hedgerow visible from the road. Minimize grading; retain existing slopes along the scenic road frontage. Orient lots so that houses do not back up to a scenic road. If this cannot be avoided, houses should be sited as far as possible from the road and well screened.



DRAWING LIST

SHEET NO.	DRAWING TITLE
1	SITE, GRADING, & SEDIMENT & EROSION CONTROL PLAN
2	LANDSCAPE PLAN
3	SEDIMENT CONTROL NOTES AND DETAILS



Address Chart

LOT/PARCEL	STREET ADDRESS
1	4872 ILCHESTER ROAD
2	4874 ILCHESTER ROAD

PERMIT INFORMATION CHART

SUBDIVISION NAME:	SECTION/AREA:	LOT/PARCEL NO.
CAVAUGHAN PROPERTY	N/A	2
PLAT # OR L.F.	TAX MAP NO.	CENSUS TRACT
420714 17266	31	6011.01
GRID#	ZONING	ELECT. DISTRICT
10	R-20	FIRST
WATER CODE	SEWER CODE	
NO. 208-W	NO. 10-1214	

DATA SOURCES:
EX. BOUNDARY AND TOPOGRAPHY SHOWN HEREON ARE FROM A FIELD RUN SURVEY PERFORMED BY SHANBERGER & LANE, DATED 12/11/2003.

DeMario Design Consultants, Inc.

Winchester Exchange Building
15 East Main Street, Suite 226
Westminster, MD 21157
Phone: (410) 840-4499
Fax: (410) 840-8866
eMail: DeMarioDesign@adelphia.net

OWNER / DEVELOPER:
EVELYN R. CAVANAUGH
4872 ILCHESTER ROAD
ELLCOTT CITY, MD 21043

SITE ADDRESS:
4872 ILCHESTER ROAD
ELLCOTT CITY, MD 21043

CAVAUGHAN PROPERTY LOT 2 SINGLE FAMILY DETACHED DWELLING SITE DEVELOPMENT PLAN

FIRST ELECTION DISTRICT HOWARD COUNTY, MD

NO.	REVISIONS	DATE	DRN.	REV.	DATE
3	REVISE HOUSE & GARAGE, ADD DECK	JAN 11	JAI		01/11/05
2	ADDRESS ADDITIONAL COMMENTS	JAN	WRD		02/22/05
1	ADDRESS COMMENTS, REVISE HOUSE FOOTPRINT	JAN	WRD		11/22/04

CO. FILE #: F-04-156
DES. BY: AJS
TAX ACC. #: 01-161415
DRN. BY: AJS/JAI
TAX MAP: 31
CHK. BY: WRD
BLOCK / GRID: 10
DATE: 8/23/04
PARCEL #: 464
DDC JOB#: 03011.1
ZONE / USE: R-20
SHEET NUMBER:
DWG. SCALE: 1"=30'
1 of 3

Reviewed for HOWARD SCD and meets Technical Requirements

Jim M... 3/7/05
Date

U.S. - Natural Resources Conservation Service
This development plan is approved for sediment and erosion control by the HOWARD SOIL CONSERVATION DISTRICT.

John K... 3/7/05
Date

APPROVED: DEPARTMENT OF PLANNING AND ZONING

W... 3/9/05
DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION
Candy... 3/11/05
DATE

CHIEF, DIVISION OF LAND DEVELOPMENT
Narode... 3/11/05
DATE

DIRECTOR

ENGINEER'S CERTIFICATE

"I 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."

Nad... 2/24/05
Signature of Engineer (print name below signature) Date

DEVELOPER'S CERTIFICATE

"I hereby 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 Certificate of Attendance at a Department of 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."

Peter G. Cavanaugh 2/29/05
Signature of Developer (print name below signature) Date

