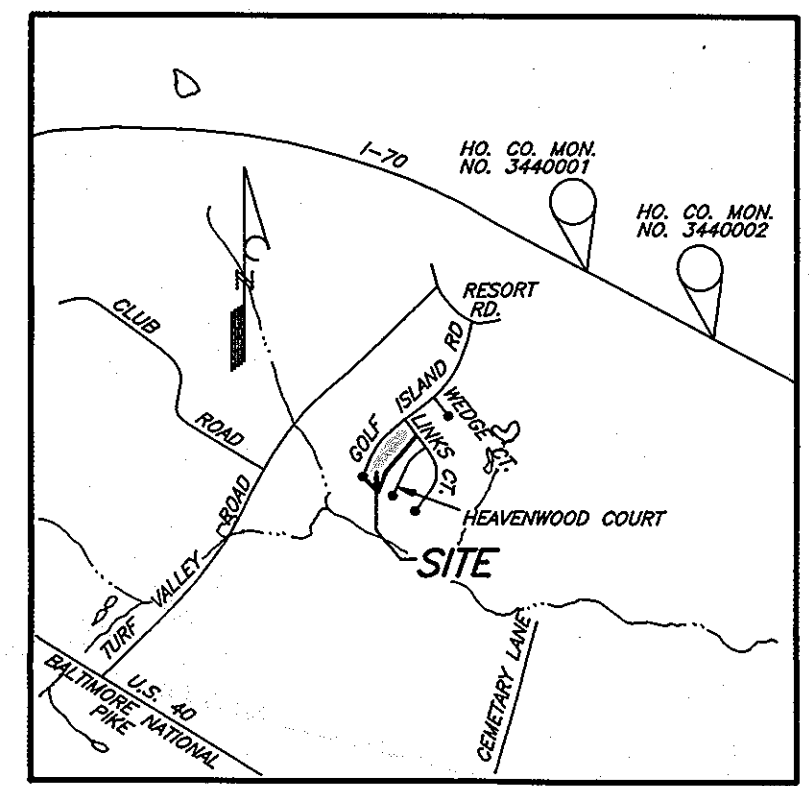
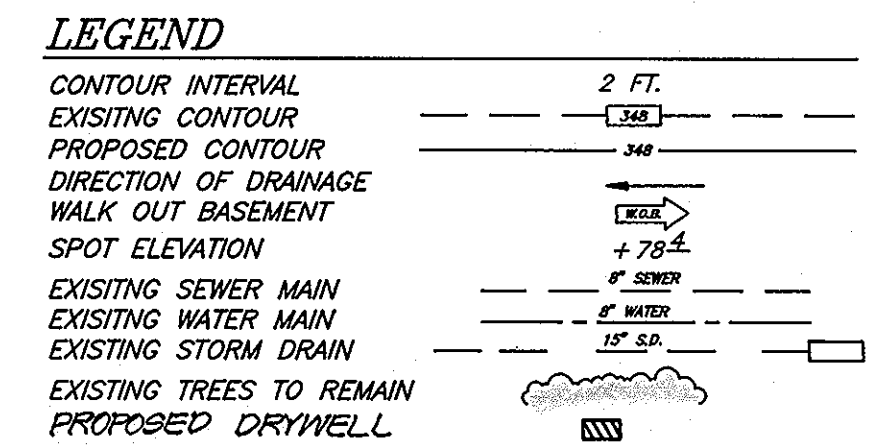


LOT NUMBER	STREET ADDRESS
140	GOLF ISLAND ROAD
141	GOLF ISLAND ROAD
143	GOLF ISLAND ROAD
144	GOLF ISLAND ROAD



BENCHMARKS
 Howard County Monument #3440001
 N 534735.478
 E 836286.297
 Elevation : 486.341
 Howard County Monument #3440002
 N 533593.800
 E 837983.249
 Elevation : 462.306

ADDRESS CHART

GENERAL NOTES:

- Subject property is zoned : PGCC-RES. SUBDISTRICT PER 10-18-93 Comprehensive Zoning Plan.
- The total area included in this submission is : 1.63 Acres
- The total number of lots included in this submission is : 4
- Improvement to property : Single Family Detached
- SHC Elevations shown are at the Property Line.
- Department of Planning and Zoning reference file numbers are : S-86-13, FDP-3054-A-1434, S-92-15, WP-93-15, P-93-10, F-94-06, F-95-49, SP-95-10, HCP-95-03, Res. Subdistrict, P-96-19.
- Utilities shown as existing are taken from approved Water and Sewer plans Contract #24-3511-D, approved Road Construction plans F-96-107.
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- All roadways are public and existing.
- The existing topography was taken from Road Construction plans F-96-107 prepared by R.M. Mochi Group, P.C. in March 1996.
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Control stations : 3440001 and 3440002
- The contractor shall notify the Department of Public Works/Division of Construction Inspection at (410) 313-1880 at least twenty-four (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.
- For driveway entrance details, refer to Ho. Co. Design Manual Volume IV details R.3.01.
- In accordance with Section 128A.1.b & c of the Zoning Regulations bay windows or chimneys not more than 10 feet in width may project not more than 4 feet into any setbacks; porches and decks may project not more than 10 feet into the front or rear setbacks.
- Stormwater Management FOR THE DEVELOPMENT IS APPROVED UNDER SDP 95-121 AS A REGIONAL WET POND.
- Final location of Drywells to be determined at time of Final Grading Plan for specific houses.

SPECIAL NOTES:

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this SDP are not to be used for construction. For construction, see approved Road Construction Plans F-96-107 and/or approved Water and Sewer Plans Contract #24-3511-D.

SHEET INDEX	
DESCRIPTION	SHEET No.
SITE DEVELOPMENT PLAN	1 of 2
SEDIMENT AND EROSION CONTROL PLAN	2 of 2

OWNER / DEVELOPER
 MANGIONE ENTERPRISES OF TURF VALLEY
 1205 YORK ROAD, PENTHOUSE
 LUTHERVILLE, MARYLAND 21093
 PHONE: (410)825-8400

SUBDIVISION NAME	SECTION/AREA	LOTS/PARCELS
TURF VALLEY VISTAS		140, 141, 143 & 144
PLAT NO.	BLOCK NO.	TAX MAP NO.
12530-12532	18	16
WATER CODE	SEWER CODE	ELECTION DIST.
H07	5992000	2nd
		CENSUS TRACT
		6022

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

DESIGNED PS
 DRAWN PS
 CHECKED jme
 DATE May 13, 97

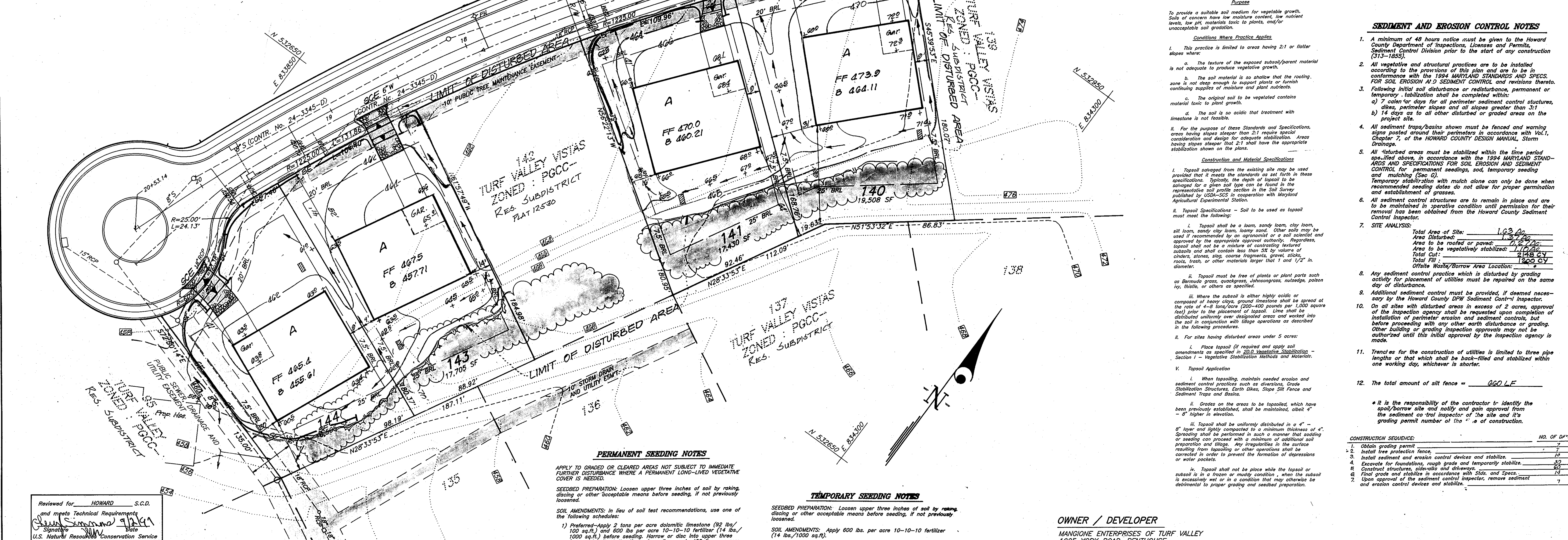
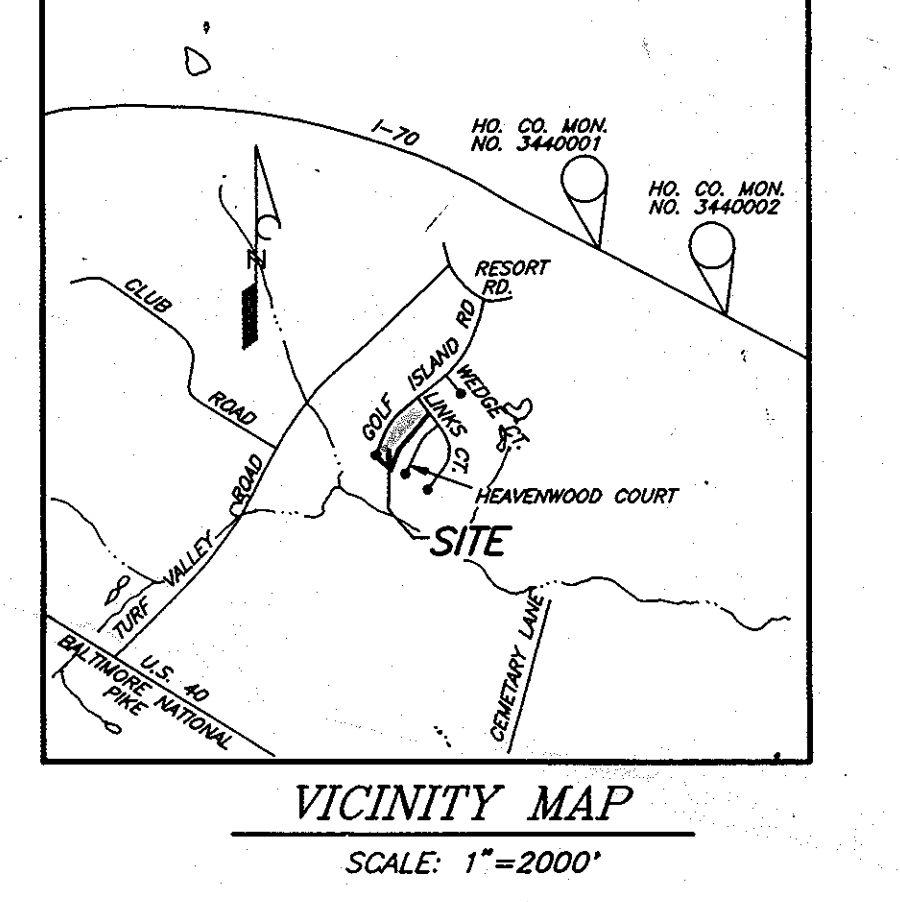
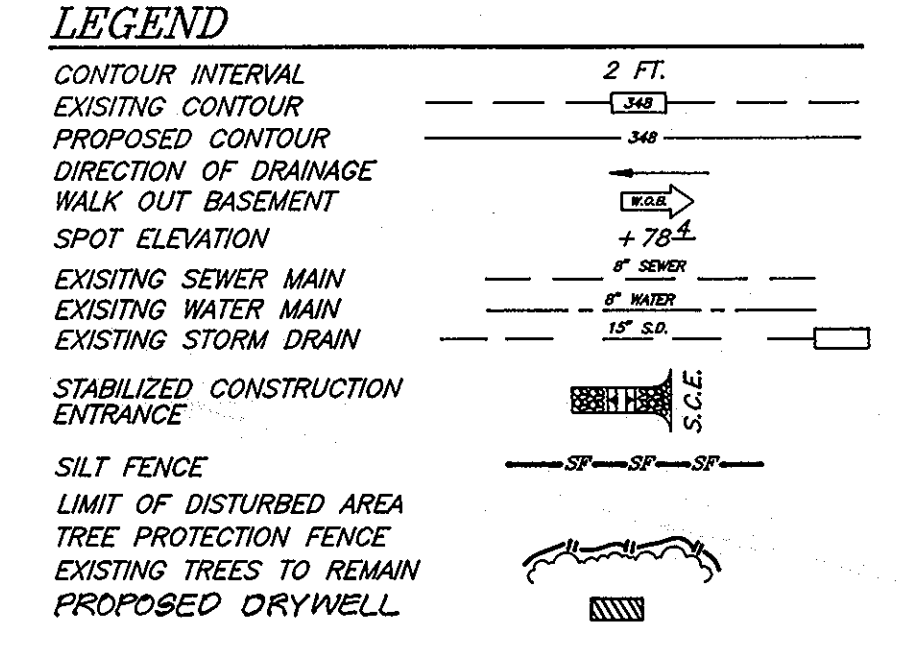
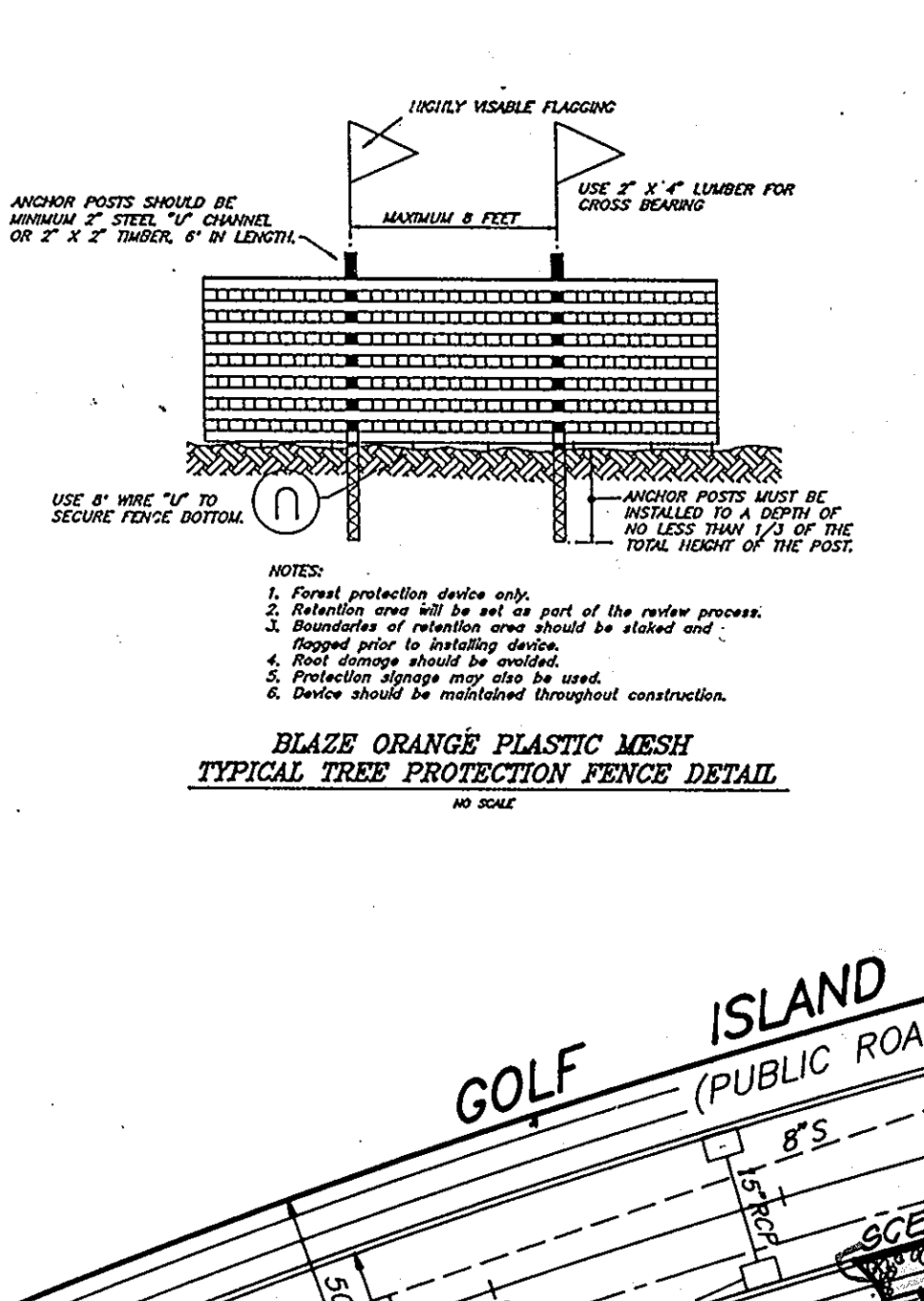
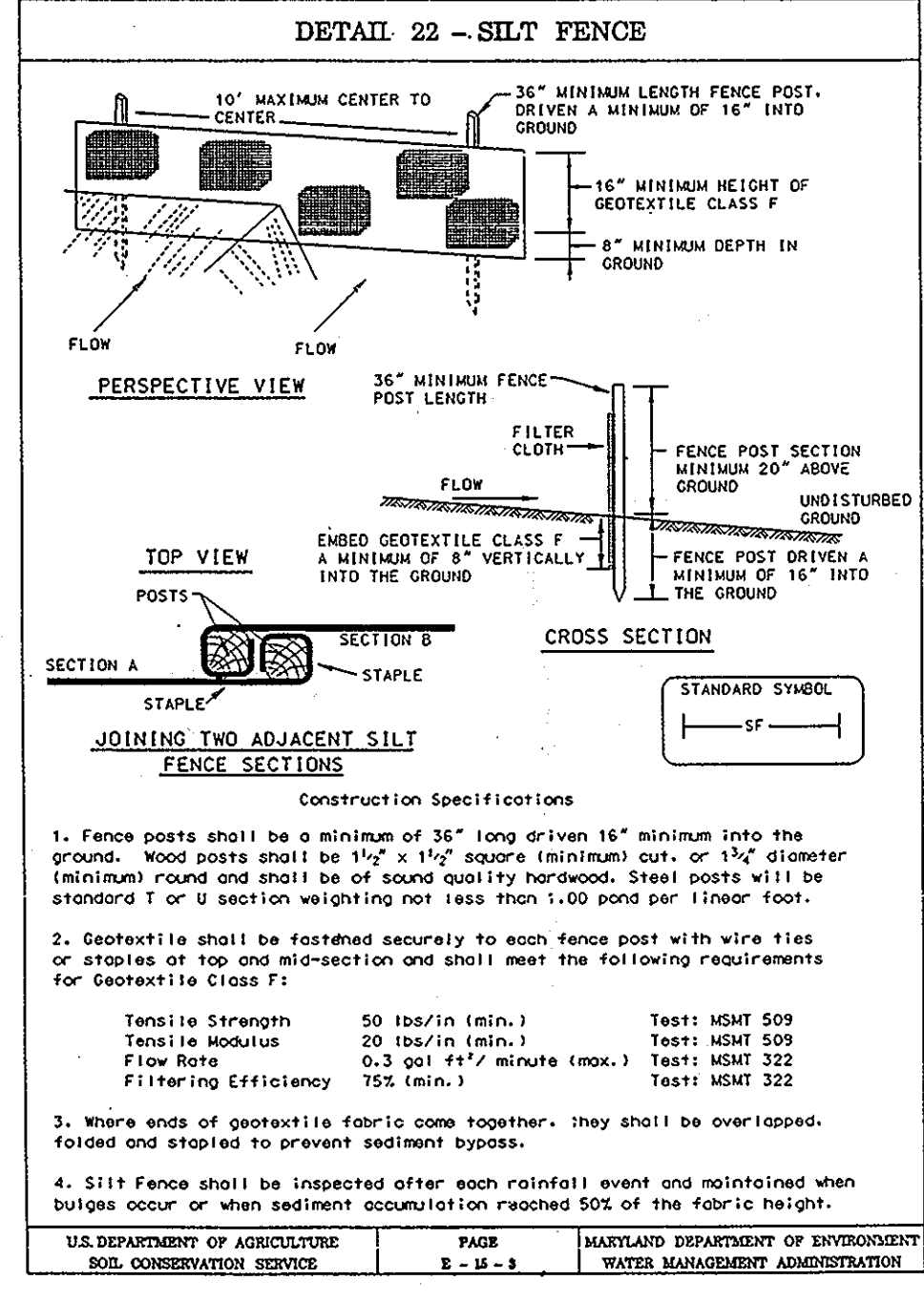
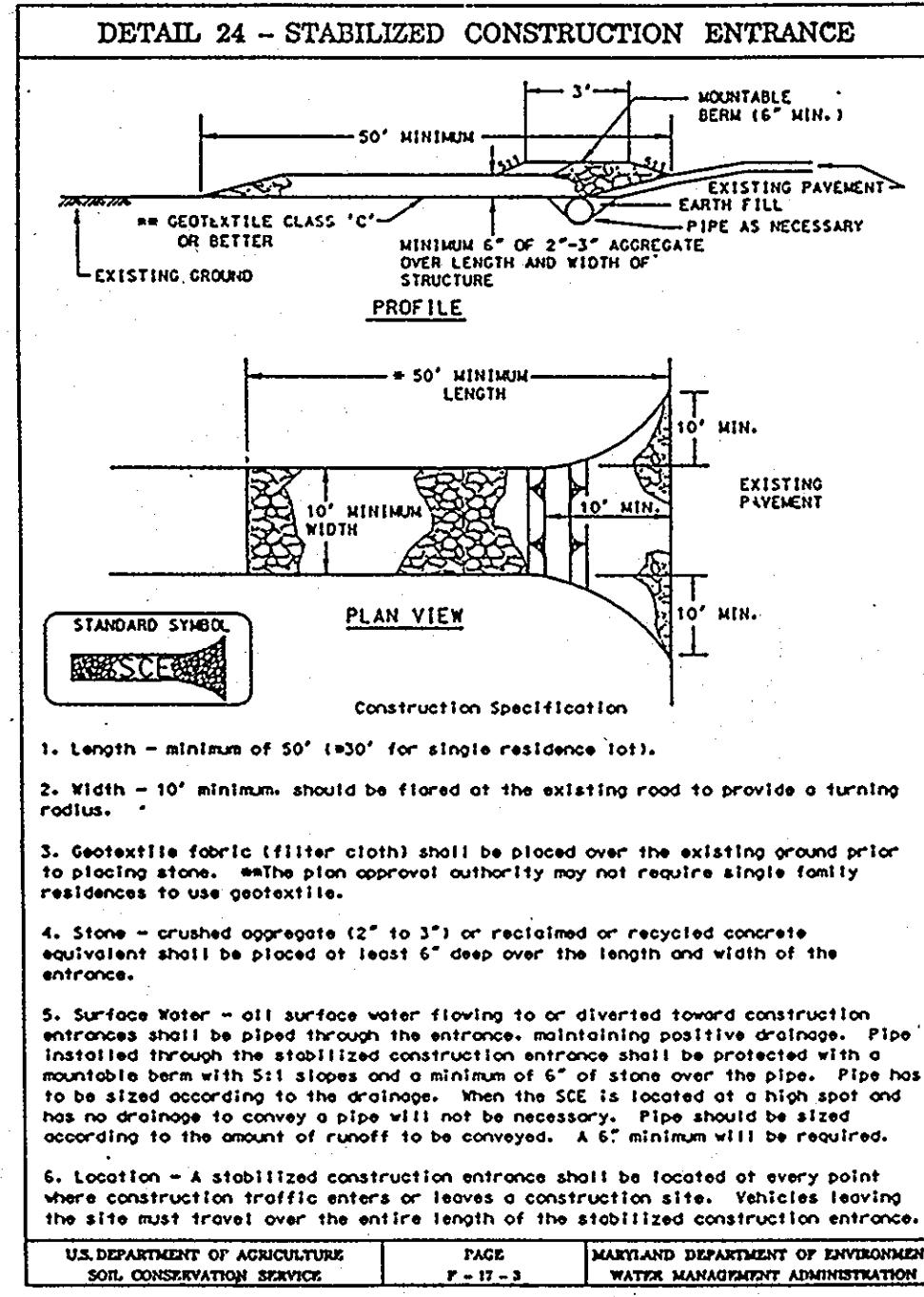
SITE DEVELOPMENT PLAN
LOTS 140, 141, 143 AND 144
TURF VALLEY VISTAS
 THIRD (3RD) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE 1" = 30'
 DRAWING 1 of 2
 JOB NO. 96-120
 FILE NO. 96-120-X

FOR : TYLER HOMES OF TOWSON C/O COMMERCIAL CONTRACTORS
 1205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division 7/6/97
 Chief, Division of Land Development 7/10/97
 Director 7/10/97





U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 17-3 MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 17-3 MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

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:
 1. 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.

2. 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:
 1. 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.
 2. 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 a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textures, subsoils and shall contain less than 3% by volume of cinders, stones, slag, coarse fragments, gravel, silt, roots, twigs, or other materials larger than 1 and 1/2" in diameter.
 ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, johnsongrass, nutsedge, 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.
 iv. For sites having disturbed areas under 5 acres:
 1. 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
 1. 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" ± 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 seeding 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, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seeded preparation.

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 1984 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:
 a) 7 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 perimeters in accordance with Vol. I, 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 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings, sod, temporary seeding and mulching (Sec. C).
 Temporary stabilization with mulch alone can only be done when reclamation with seeding dikes do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- SITE ANALYSIS:**

Total Area of Site:	1.03 Ac
Area Disturbed:	1.03 Ac
Area to be roofed or paved:	1.03 Ac
Area to be vegetatively stabilized:	1.03 Ac
Total Cut:	2182 CY
Total Fill:	1820 CY

 Offsite Waste/Borrow Area Location:
 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
 10. 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.
 11. Trenches for the construction of utilities are limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.
 12. The total amount of silt fence = 660 LF

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 its grading permit number at the time of construction.

CONSTRUCTION SEQUENCE	NO. OF DAYS
1. Obtain grading permit	1
2. Install tree protection fence	1
3. Install sediment and erosion control devices and stabilize	10
4. Excavate for foundations, rough grade and temporarily stabilize	30
5. Construct structures, sidewalks and driveways	60
6. Final grade and stabilize in accordance with Specs. and Specs.	120
7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize	7

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:
 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and 800 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 urea-form fertilizer (9 lbs./1000 sq.ft.)
 2) 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.

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 800 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.

OWNER / DEVELOPER
 MANGIONE ENTERPRISES OF TURF VALLEY
 1205 YORK ROAD, PENTHOUSE
 LUTHERVILLE, MARYLAND 21093
 PHONE: (410)825-8400

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 County Sediment Control District.
 G. NELSON CLARK
 DATE



Reviewed for HOWARD S.C.D. and meets Technical Requirements and Impacts Technical Requirements
 Signature: [Signature]
 U.S. Natural Resources Conservation Service

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

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Date: 7/6/97
 Chief, Division of Land Development
 Date: 7/10/97
 Director
 Date: 7/19/97

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/We also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.
 [Signature]
 DATE: 5-19-97

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of ungrated 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.