

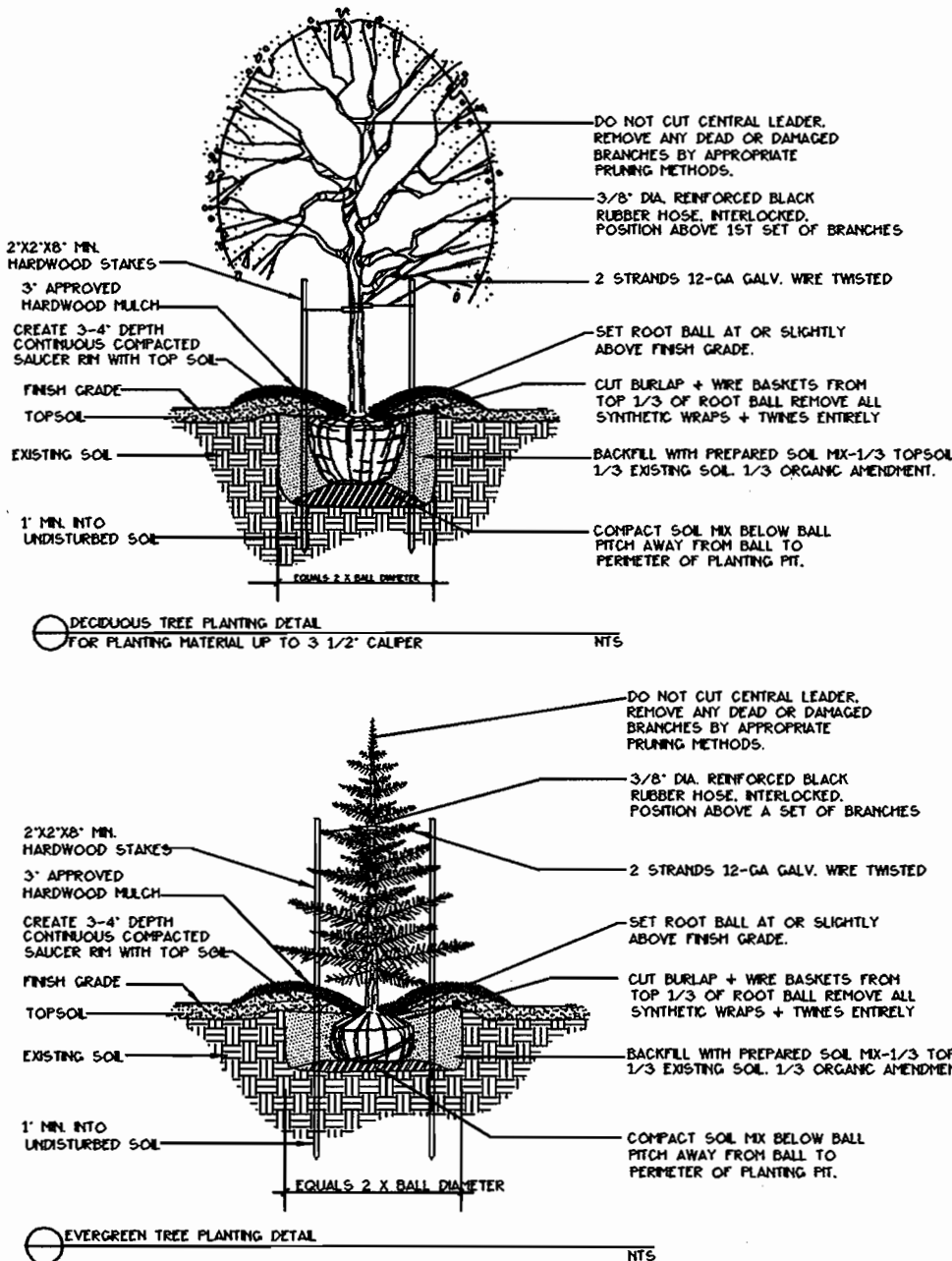
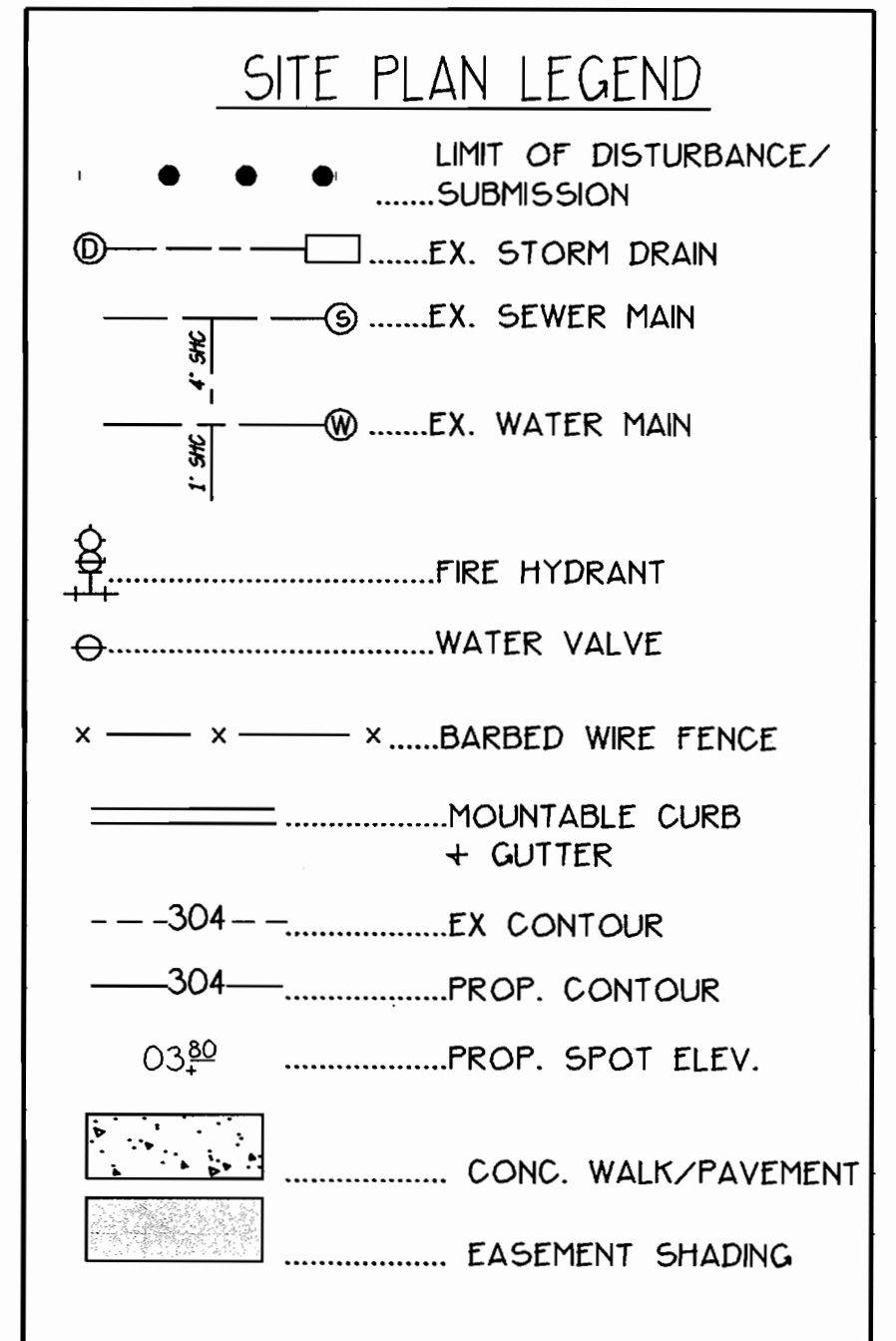
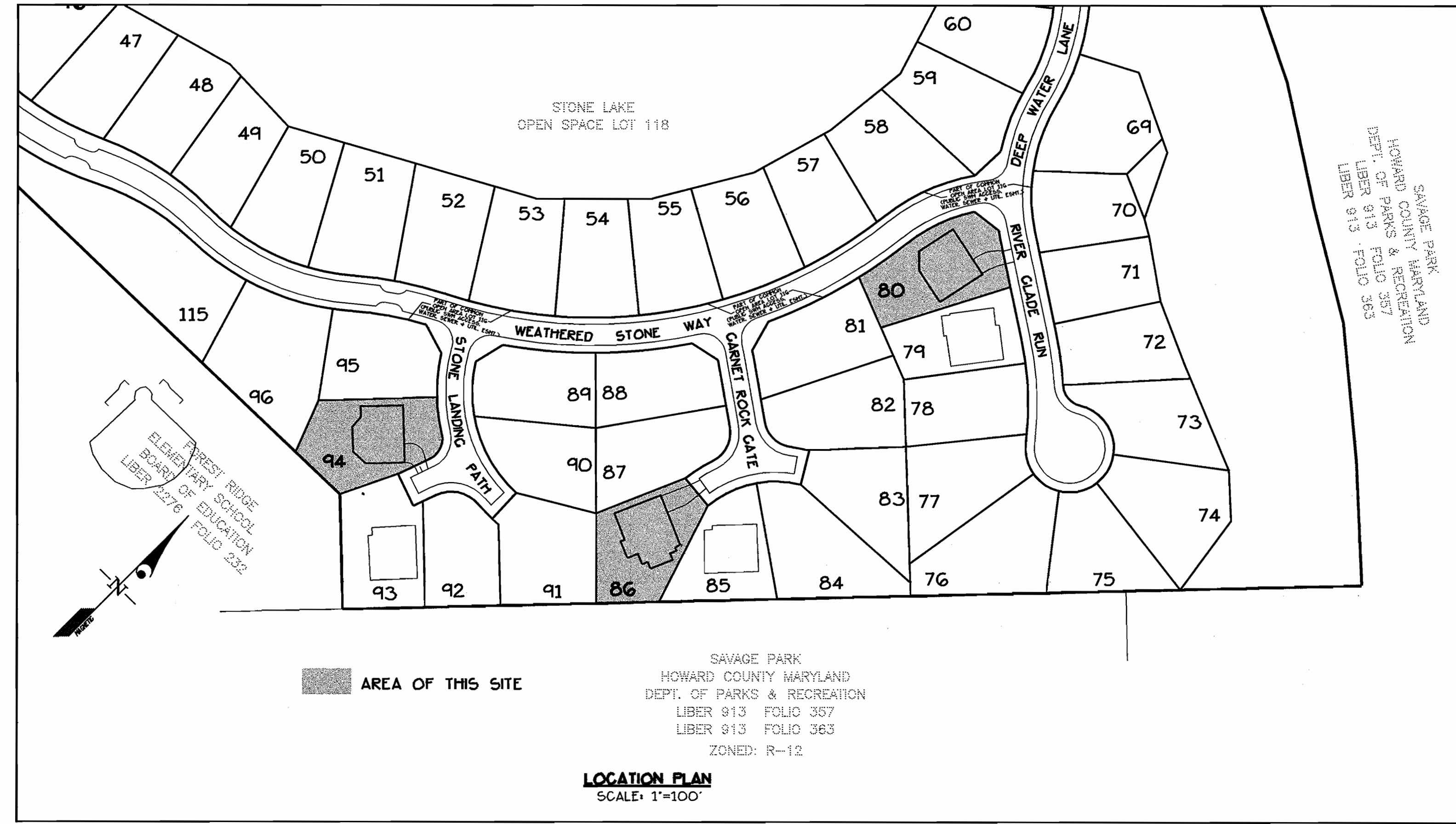
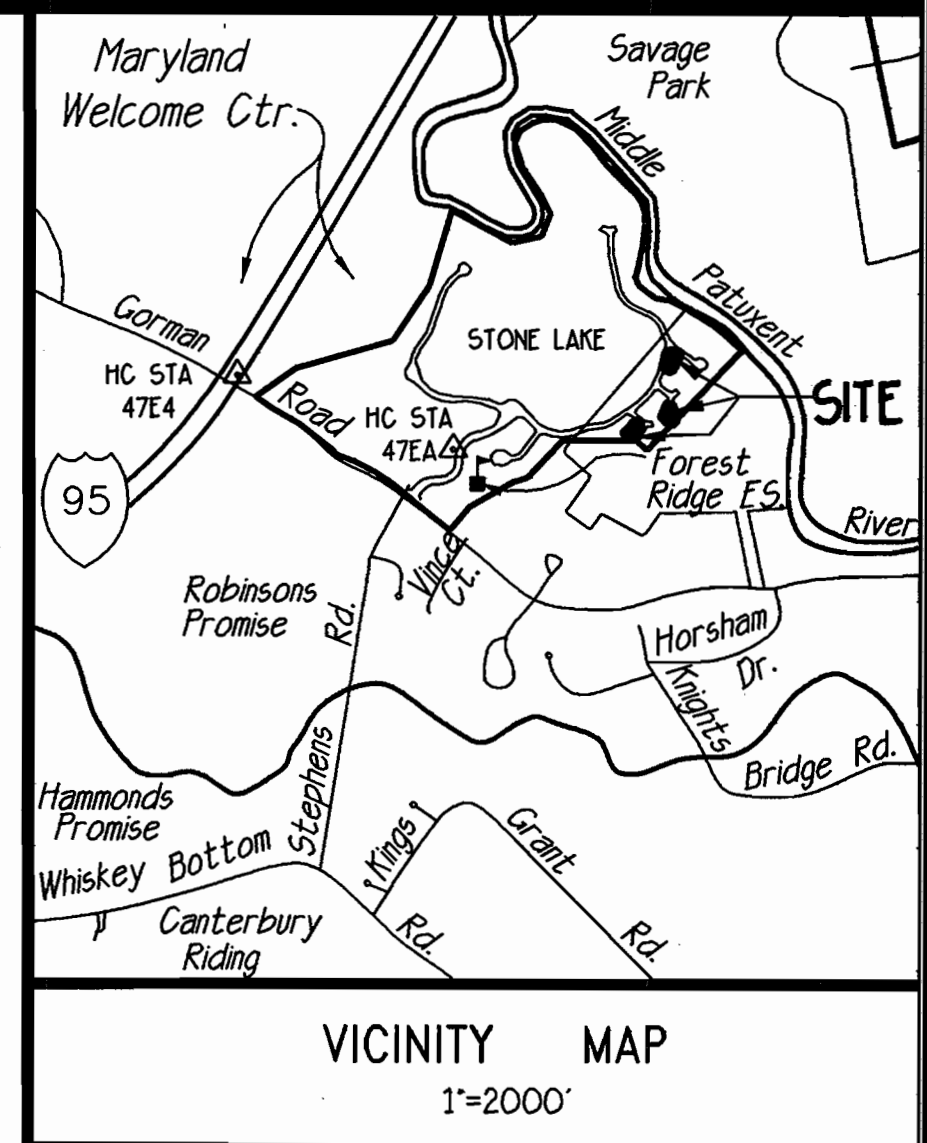
GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "555 UTILITY" AT 1-800-257-7777 AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION WORK.
- PROJECT BACKGROUND:  
LOCATION: TAX MAP #47, GRID 7  
ZONING: R-ED  
ELECTION DISTRICT: 6TH  
BUILDABLE LOT AREA: 38,752 SF OR .89 AC TOTAL FOR LOTS 80, 86 + 94  
OPEN SPACE AREA: 0 AC.  
TOTAL AREA: 38,752 SF OR .89 AC.  
REC. REF.: PLAT NO. 15538 + 15539
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED. DIMENSIONS ARE MEASURED PERPENDICULAR OR RADially BETWEEN ITEMS UNLESS OTHERWISE NOTED.
- EXISTING TOPOGRAPHY AND FEATURES WERE DERIVED FROM AERIAL PHOTOGRAPHY BY DAFT, MCGUINE + WALKER, SUMMER 1998 AND MASS GRADING INFORMATION FROM F-01-204.
- HORIZONTAL AND VERTICAL CONTROL BASED ON HOWARD COUNTY CONTROL STATIONS 47 EA + 47 E4.
- PUBLIC WATER AND SEWER IS TO BE UTILIZED (PATAPSCO DRAINAGE AREA). CONTRACT NO. 34-3948-D.
- STORMWATER MANAGEMENT IS PROVIDED BY A PRIVATE FACILITY UNDER F-01-204. THE PRIVATE STORMWATER MANAGEMENT, DRAINAGE AND UTILITY EASEMENT IS OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
- ALL STORM DRAINS SHOWN ARE PRIVATE AND ARE BUILT UNDER THE F-01-204 PLAN.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM F-01-204 AND CONTRACT NO. 34-3948-D BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF CONSTRUCTION.
- BOTH THE NOISE AND TRAFFIC STUDIES WERE APPROVED AS PART OF SKETCH PLAN 5-00-13 APPROVED ON 10-10-2000.
- ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAY TO BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- OTHER HOWARD COUNTY FILES RELATED TO THIS SITE: 5-00-13P-01-15PB-345WP-01-88WPO-88WP-00-12GWP-01-60WP-01-94, F-01-177, PB 345, F-01-85, F-01-204 AND WP-02-50 AND CONTRACT # 34-3948-D.
- FOREST CONSERVATION FOR THIS SITE IS PROVIDED UNDER F-01-177 + F-01-204.
- FOR DRIVEWAY APRON, SEE HOWARD COUNTY STANDARD DETAIL No R-6.03 AND R-6.05.
- LANDSCAPING AND REQUIRED STREET TREES SHALL BE IN ACCORDANCE WITH THE APPROVED ROAD CONSTRUCTION DRAWING, F-01-204. SURETY FOR THE LANDSCAPING ON LOT 80 IS \$1500 SHALL BE PAID AT TIME OF GRADING PERMIT APPLICATION.
- BENCH MARKS/CONTROL STATIONS: #47EA-N 535063.631 E 1357283.989 EL=315.28 AND #47E4 N 535063.631 E 1357283.989 EL=338.91
- IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- STONE LANDING PATH, WEATHERED STONE WAY, GARNET ROCK GATE AND RIVER GLADE RUN ARE PRIVATE ROADS AND SHALL BE MAINTAINED BY THE HOA.
- SEWER CLEANOUTS SHALL BE FLUSH WITH PROPOSED DRIVEWAY SURFACE. IF A CONCRETE DRIVEWAY IS TO BE UTILIZED, PROVIDE A 12-INCH BY 12-INCH REINFORCED CONCRETE PANEL AROUND THE CLEANOUT WITH EXPANSION JOINT MATERIAL AS APPROPRIATE. IF IN THE FUTURE, CLEANOUT IS PAVED OVER, DPW WILL NOT BE RESPONSIBLE FOR DAMAGE TO DRIVEWAY WHEN ACCESSING CLEANOUT.
- THIS PLAN IS SUBJECT TO COMPLIANCE WITH THE FOURTH EDITION OF THE HOWARD COUNTY SUBDIVISION REGULATIONS.
- DRIVEWAYS 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:  
A. WIDTH-12' (14' SERVING MORE THAN ONE RESIDENCE),  
B. SURFACE- 6" OF COMPACTED CRUSHER RUN BASE W/TAR AND CHIP COATING (1-1/2" MIN),  
C. GEOMETRY- MAX. 15% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS,  
D. STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (125 TONS LOADING),  
E. DRAINAGE ELEMENTS - CAPABLE OF SAFETY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE,  
F. MAINTENANCE - SUFFICIENT TO ALL WEATHER USE.
- ALL EASEMENTS (PUBLIC AND PRIVATE) SHOWN ON THESE PLANS ARE RECORDED PLAT No. 15538 + 15539, UNLESS OTHERWISE NOTED.
- STONELAKE COMMUNITY ASSOCIATION, INC. IS THE HOMEOWNERS ASSOCIATION RECORDED ON FEBRUARY 27, 2002 IN LIBER 6019 AT FOLIO 414. THE SDAT# IS D06486757.

# GENERIC SITE DEVELOPMENT PLAN

## STONE LAKE

### LOTS 80, 86 AND 94



SCHEDULE A - PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS
LANDSCAPE TYPE	B
LINEAR FEET OF ROADWAY/ PERIMETER FRONTAGE	LOT 80 151 LINEAR FEET
CREDIT FOR EX. VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	0
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	0
NUMBER OF PLANTS REQUIRED	
SHADE TREES (1:50 LF)	3
EVERGREEN TREES (1:40 LF)	4
SHRUBS	4
NUMBER OF PLANTS PROVIDED	
SHADE TREES	3
EVERGREEN TREES	4
OTHER TREES (2:1 SUBST.)	
SHRUBS (10:1 SUBST.)	
(DESCRIBE PLANT SUBST. CREDITS BELOW IF NEEDED)	
SCHEDULE 'A' NUMBER OF SHADE TREES FOR BONDING: 3 X \$300 = \$900	
SCHEDULE 'A' NUMBER OF EVERGREEN TREES FOR BONDING: 4 X \$150 = \$600	
TOTAL ESTIMATE FOR BONDING = \$1500	

SITE ANALYSIS

- GENERAL SITE DATA
  - A. PRESENT ZONING: R-ED
  - B. PROPOSED USED FOR SITE AND STRUCTURE: SINGLE FAMILY DETACHED
  - C. TOTAL NUMBER OF UNITS: 3
- AREA TABULATION
  - A. SITE AREA: 0.89+ AC. FOR 3 BUILDABLE LOTS
  - B. AREA OF PLAN SUBMISSION: 0.89+AC.
  - C. LIMIT OF DISTURBANCE: 0.92+AC.
- PARKING TABULATION:
  - A. PARKING REQUIRED: 6 (2 SPACES PER UNIT)
  - B. PARKING PROVIDED: 6 GARAGE SPACES (2 SPACES PER UNIT)  
6 DRIVEWAY SPACES (2 SPACES PER UNIT)  
12 TOTAL SPACES (4 SP/UNIT)

SHEET INDEX

SHEET NO.	TITLE
1	COVER SHEET
2	HOUSE MODEL DETAILS + GENERIC BOX CHART
3	SITE, LANDSCAPE AND SEDIMENT CONTROL PLAN

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING

*Angela J. DeAngelis* 1/28/02  
Director (Acting) Date

*Candy Hanrahan* 1/24/02  
Chief, Division of Land Development Date

*William J. ...* 1/22/02  
Chief, Development Engineering Division Date



ADDRESS CHART

LOT NUMBER	STREET ADDRESS
80	8600 RIVER GLADE RUN
86	8608 GARNET ROCK GATE
94	8606 STONE LANDING PATH

WATER CODE: E15 SEWER CODE: G100000

SUBDIVISION NAME: STONE LAKE - LOTS 80, 86 + 94

PLAT 15538 ZONE R-ED TAX MAP 47 BLOCK 7 ELEC. DIST. 6 CENSUS TRACT 6069.02

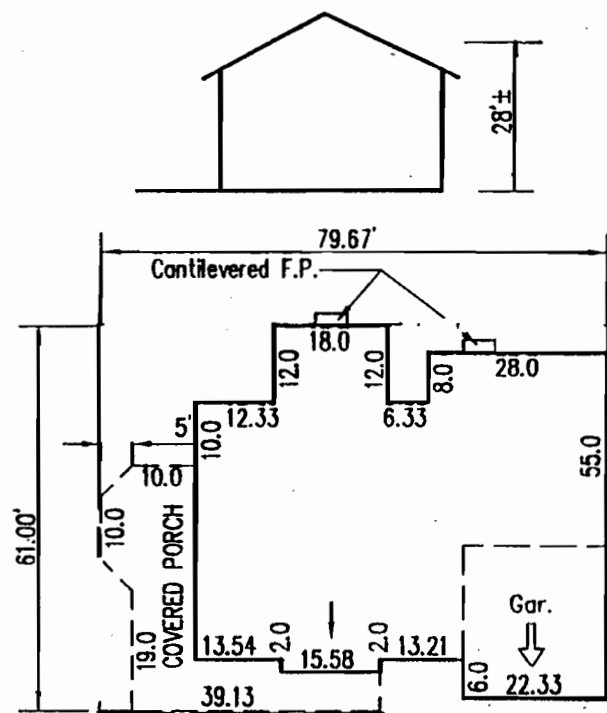
GLWGUTSCHICK LITTLE & WEBER, P.A.  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MARYLAND 20886  
TEL: 301-421-4024 BALT: 410-880-1820 DC/VX: 301-969-2524 FAX: 301-421-4186

PREPARED FOR:  
WILLIAMSBURG GROUP  
P.O. BOX 1018  
COLUMBIA, MD. 21044  
410-997-8800  
ATTN: MR. ROBERT CORBETT

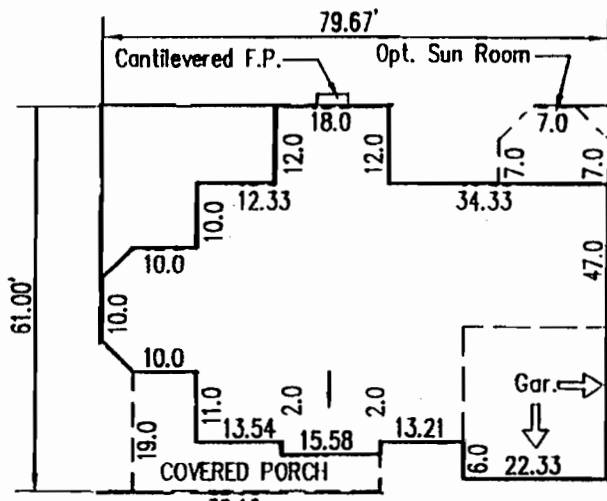
COVER SHEET  
STONE LAKE  
LOTS 80, 86 AND 94  
PLAT No. 15538 & 15539

SCALE	ZONING	G. L. W. FILE No.
1"=100'	R-ED	02-119
DATE	TAX MAP - GRID	SHEET
JANUARY 2003	47 - 7	1 OF 3

HOWARD COUNTY, MARYLAND

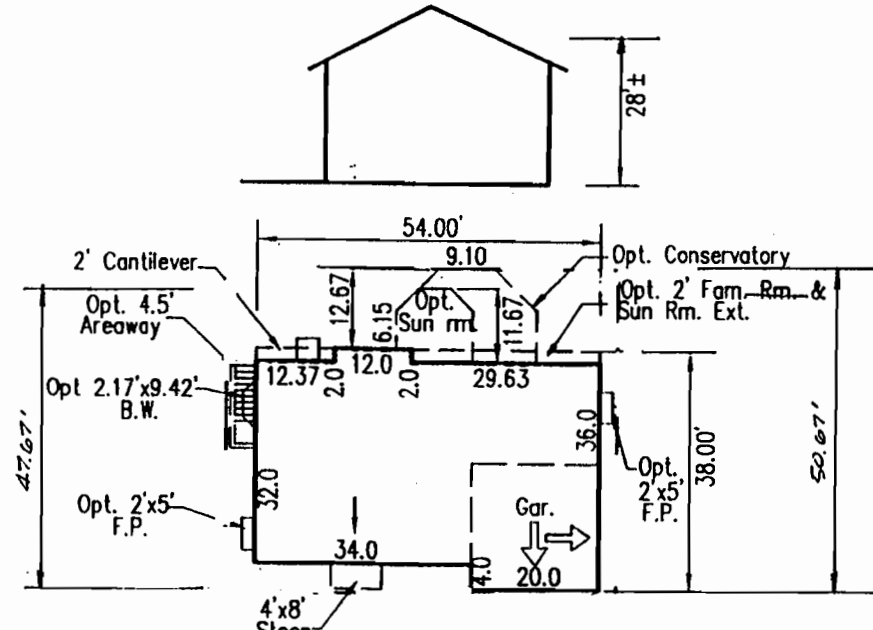


AREA = 3923 SQ. FT.  
OPT. AREA = 0 SQ. FT.  
ELEVATION #1

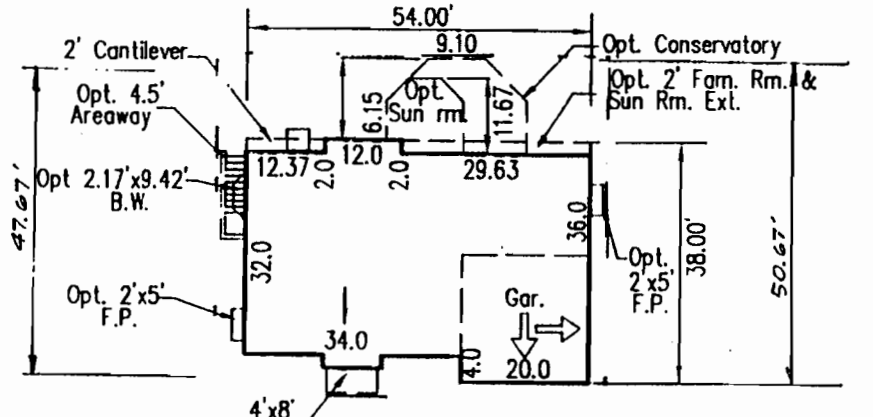


AREA = 3899 SQ. FT.  
OPT. AREA = 179 SQ. FT.  
ELEVATION #2

**THE RUTLEDGE**

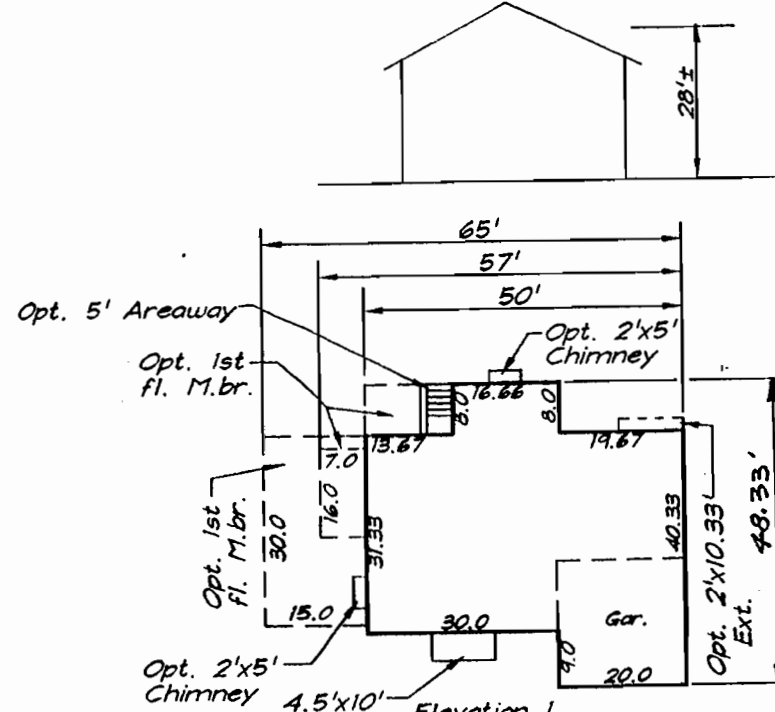


AREA = 1874 SQ. FT.  
OPT. AREA = 374 SQ. FT.  
ELEVATION #1

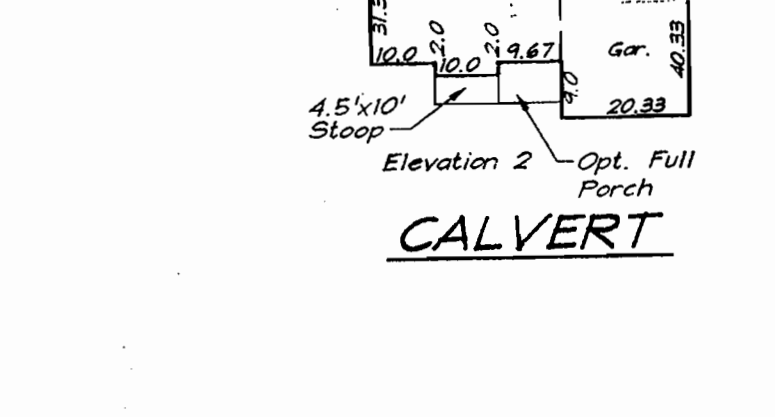


AREA = 1882 SQ. FT.  
OPT. AREA = 385 SQ. FT.  
ELEVATION #2

**WILLIAM DEAVEN**

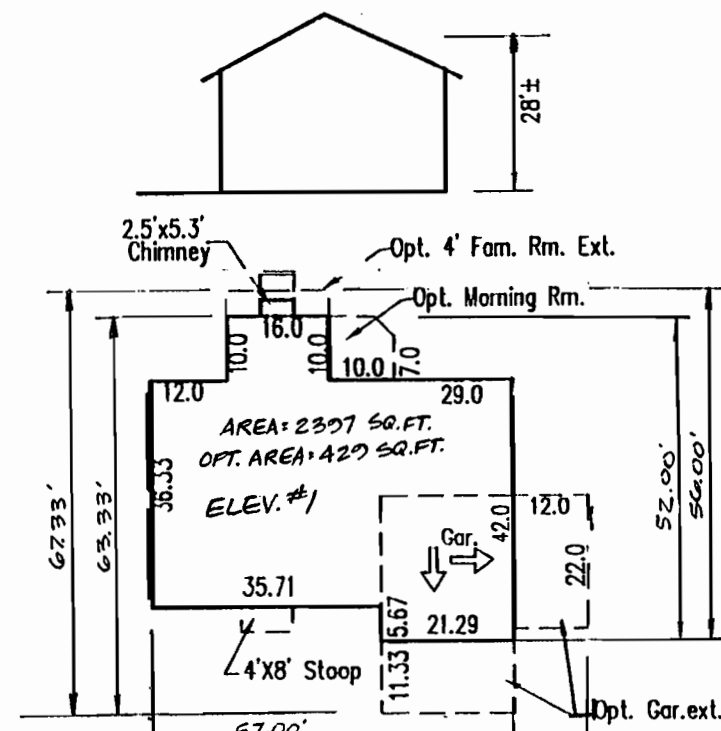


AREA = 2140 SQ. FT.  
OPT. AREA = 450 SQ. FT.  
ELEVATION #1

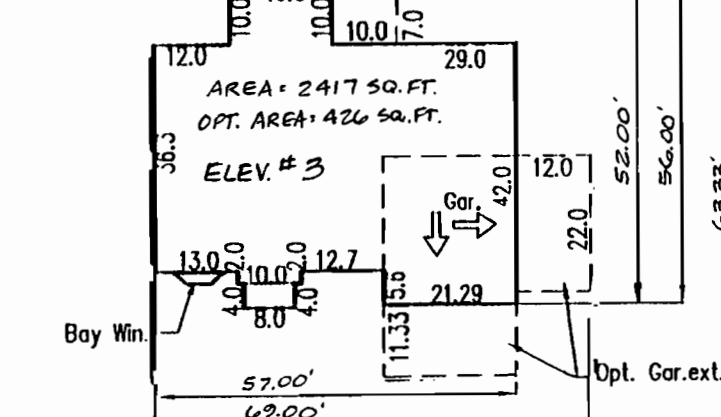


AREA = 2140 SQ. FT.  
OPT. AREA = 450 SQ. FT.  
ELEVATION #2

**CALVERT**

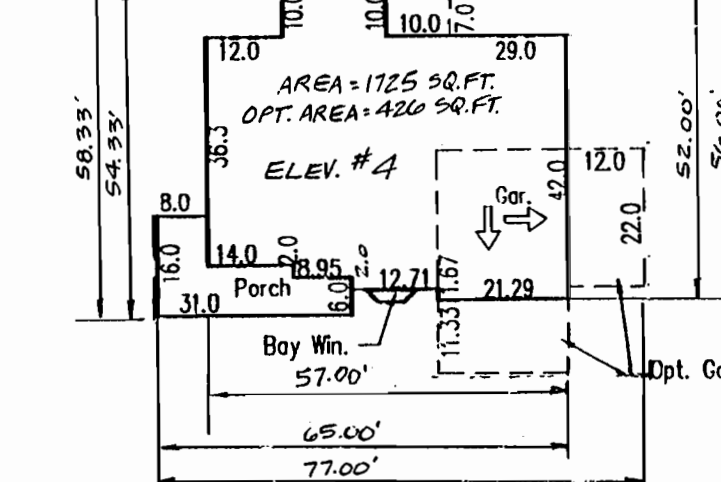


AREA = 2507 SQ. FT.  
OPT. AREA = 420 SQ. FT.  
ELEVATION #1



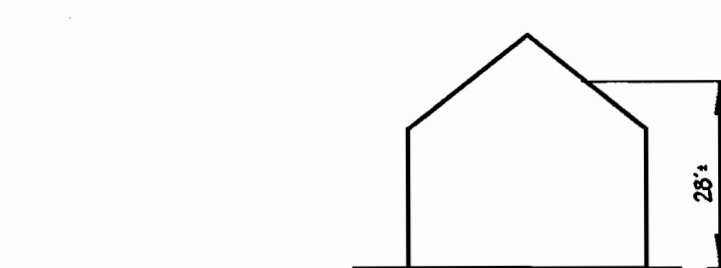
AREA = 2417 SQ. FT.  
OPT. AREA = 420 SQ. FT.  
ELEVATION #2

**DORCHESTER II**



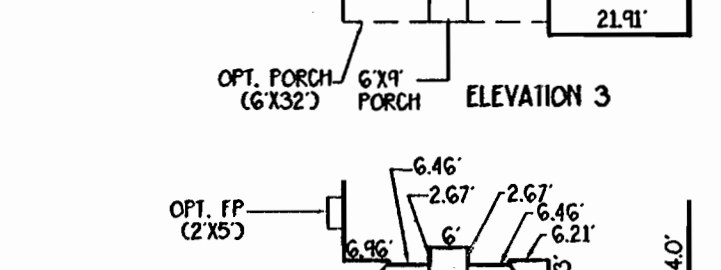
AREA = 1715 SQ. FT.  
OPT. AREA = 420 SQ. FT.  
ELEVATION #3

**DORCHESTER II**



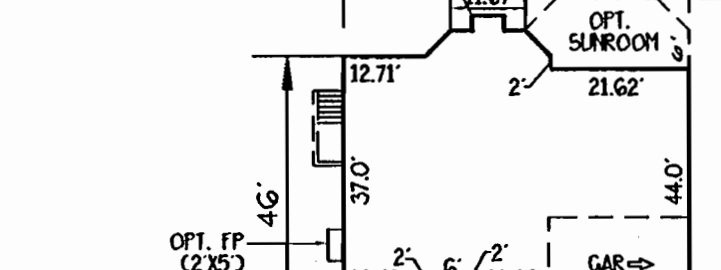
AREA = 1715 SQ. FT.  
OPT. AREA = 420 SQ. FT.  
ELEVATION #4

**DORCHESTER II**



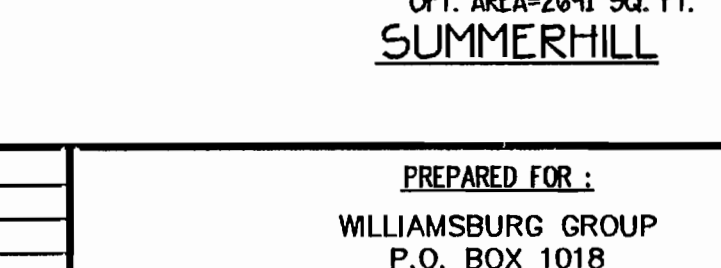
AREA = 1790 SQ. FT.  
OPT. AREA = 540 SQ. FT.  
ELEVATION #1

**SARAH DUNMORE**



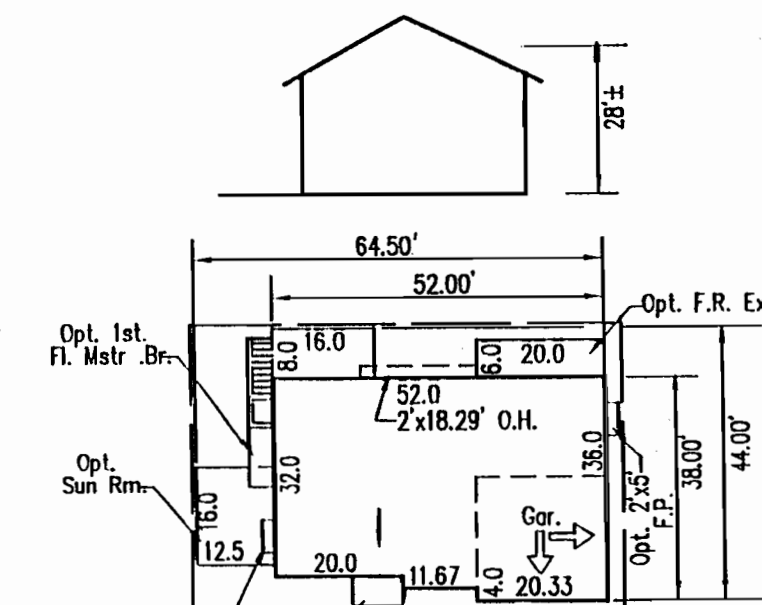
AREA = 1790 SQ. FT.  
OPT. AREA = 540 SQ. FT.  
ELEVATION #2

**SARAH DUNMORE**

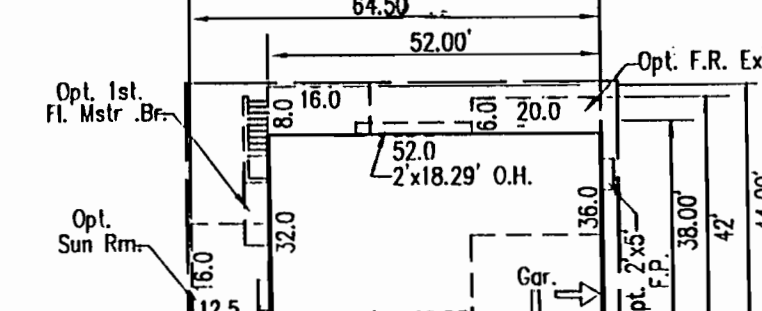


AREA = 1790 SQ. FT.  
OPT. AREA = 540 SQ. FT.  
ELEVATION #3

**SARAH DUNMORE**

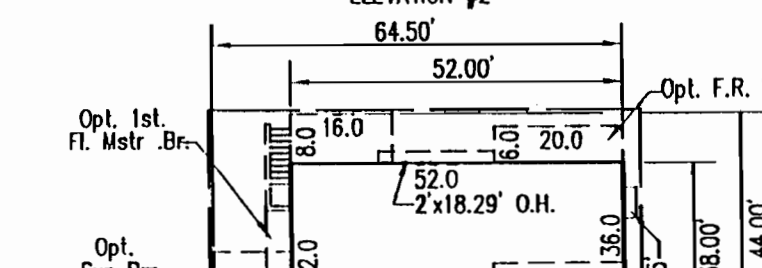


AREA = 2338 SQ. FT.  
OPT. AREA = 478 SQ. FT.  
ELEVATION #1



AREA = 2244 SQ. FT.  
OPT. AREA = 478 SQ. FT.  
ELEVATION #2

**PATRICK HARRISON**



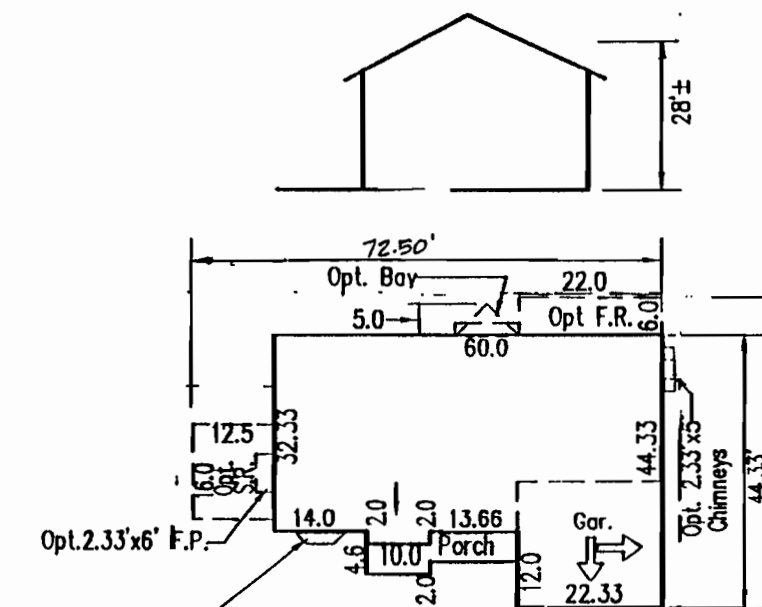
AREA = 2246 SQ. FT.  
OPT. AREA = 478 SQ. FT.  
ELEVATION #3

**PATRICK HARRISON**

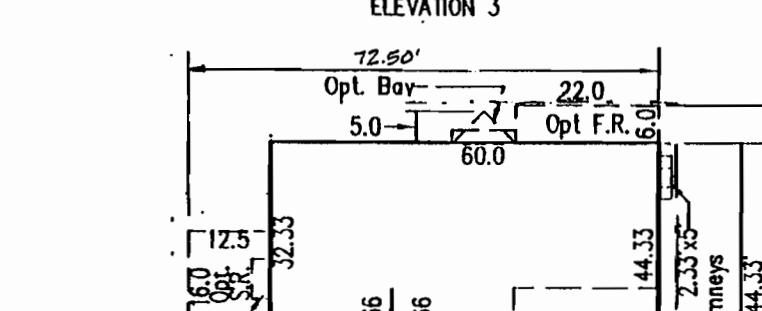


AREA = 2246 SQ. FT.  
OPT. AREA = 478 SQ. FT.  
ELEVATION #4

**PATRICK HARRISON**

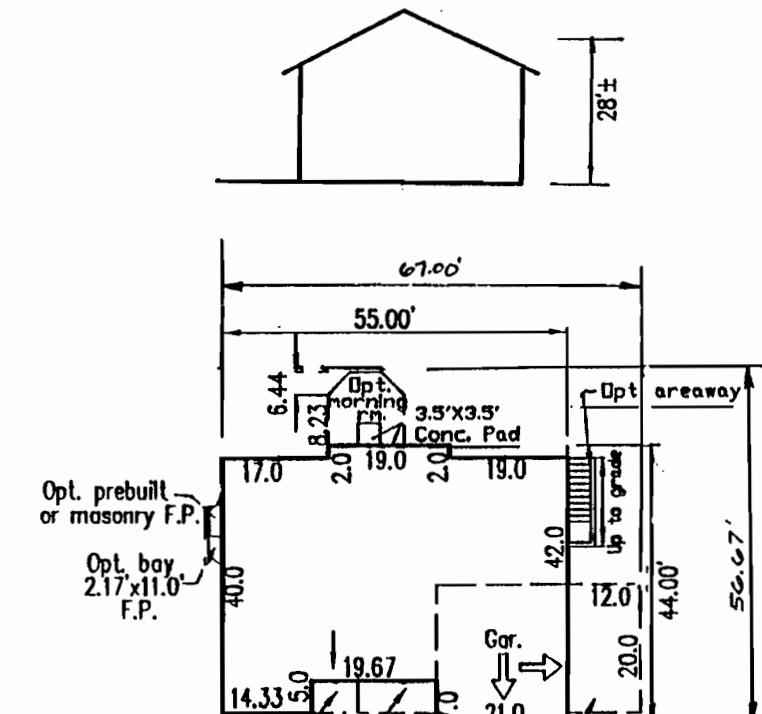


AREA = 2280 SQ. FT.  
OPT. AREA = 450 SQ. FT.  
ELEVATION #1



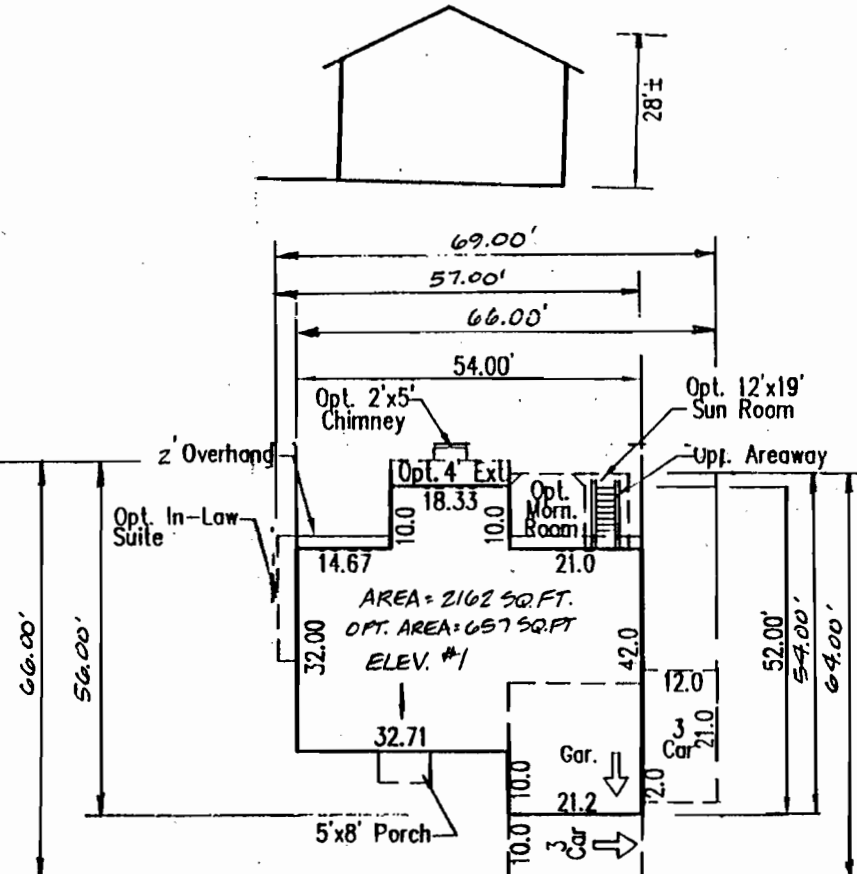
AREA = 2280 SQ. FT.  
OPT. AREA = 450 SQ. FT.  
ELEVATION #2

**JAMES RANDOLPH**

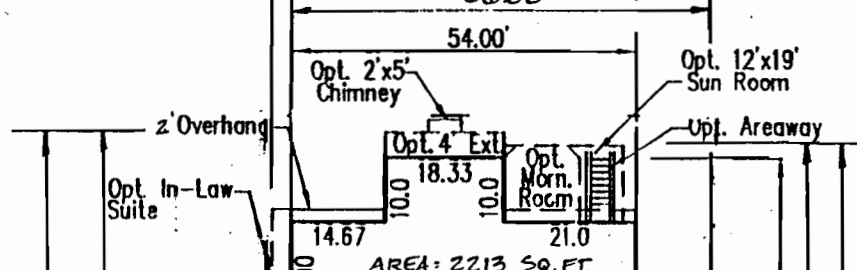


AREA = 2280 SQ. FT.  
OPT. AREA = 450 SQ. FT.  
ELEVATION #3

**JAMES RANDOLPH**

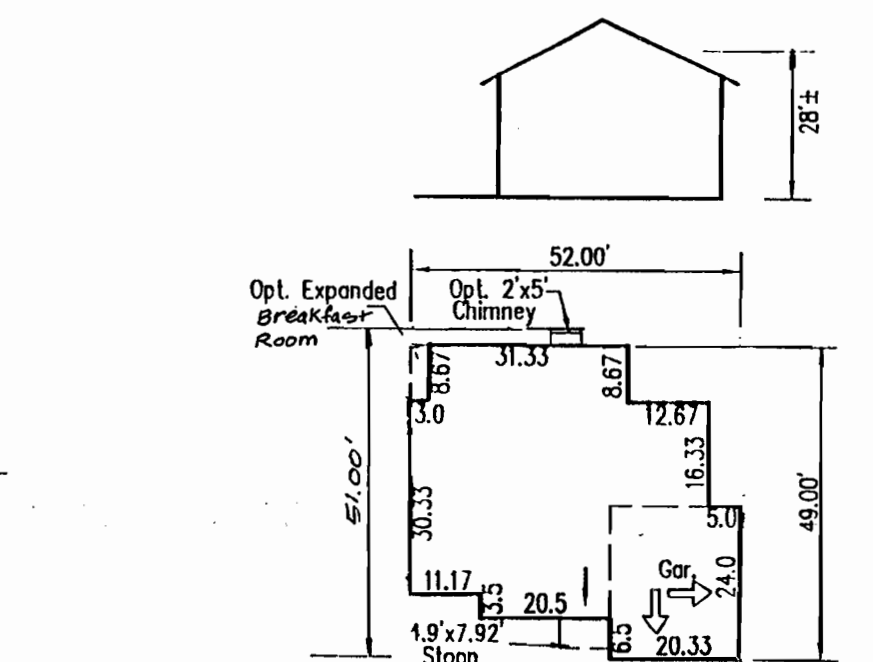


AREA = 2162 SQ. FT.  
OPT. AREA = 657 SQ. FT.  
ELEVATION #1

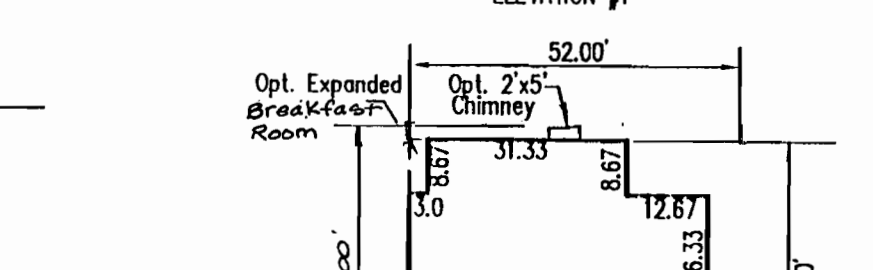


AREA = 2215 SQ. FT.  
OPT. AREA = 653 SQ. FT.  
ELEVATION #2

**THOMAS GOODWIN**

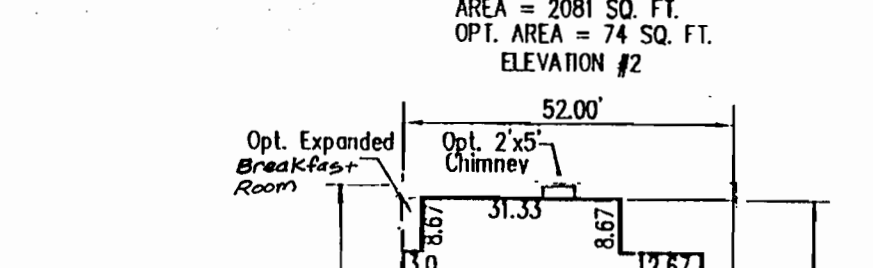


AREA = 2081 SQ. FT.  
OPT. AREA = 78 SQ. FT.  
ELEVATION #1



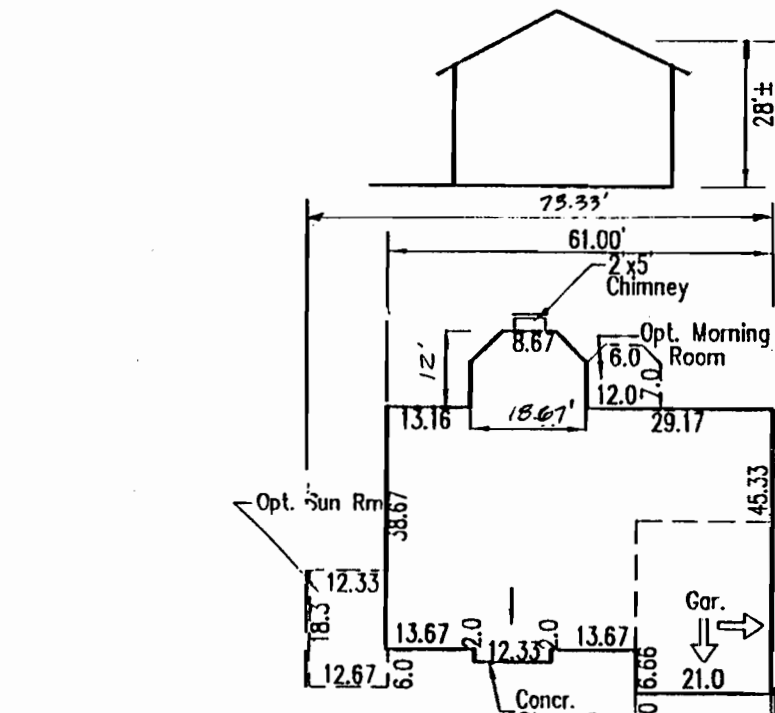
AREA = 2081 SQ. FT.  
OPT. AREA = 74 SQ. FT.  
ELEVATION #2

**GEORGE OLIVER**

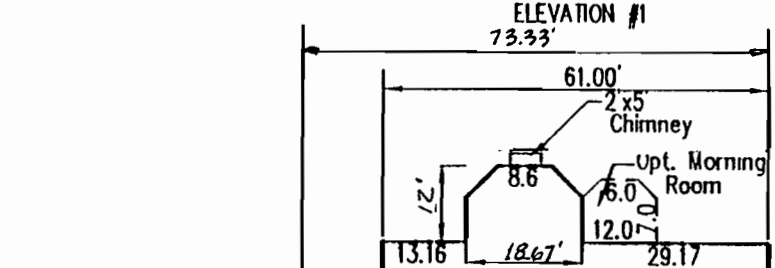


AREA = 2081 SQ. FT.  
OPT. AREA = 78 SQ. FT.  
ELEVATION #3

**GEORGE OLIVER**

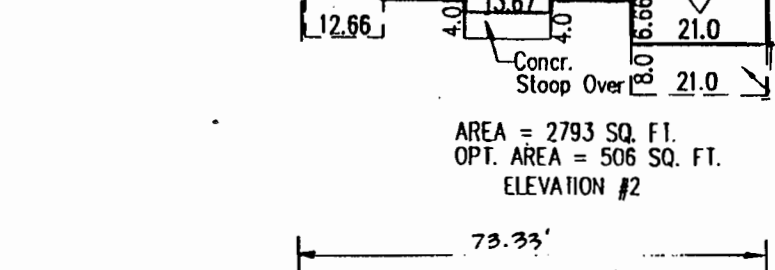


AREA = 2793 SQ. FT.  
OPT. AREA = 508 SQ. FT.  
ELEVATION #1



AREA = 2793 SQ. FT.  
OPT. AREA = 508 SQ. FT.  
ELEVATION #2

**HUNTINGTON**



AREA = 2793 SQ. FT.  
OPT. AREA = 508 SQ. FT.  
ELEVATION #3

**HUNTINGTON**

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING  
 Director: *W. J. ...* Date: 1/24/03  
 Chief, Division of Land Development: *Cindy Hanna* Date: 1/24/03  
 Chief, Development Engineering Division: *...* Date: 1/24/03

**GLW GUTSCHICK LITTLE & WEBER, P.A.**  
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3909 NATIONAL DRIVE - SUITE 250 - BURTONTOWN OFFICE PARK  
 BURTONTOWN, MARYLAND 20866  
 TEL: 301-421-4024 FAX: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

Drawings\Q2119\DESIGN\Q2119HSESP2.dwg DES. HKJ DRN. HKJ CHK. CKG

DATE	REVISION	BY	APP'R.

PREPARED FOR:  
 WILLIAMSBURG GROUP  
 P.O. BOX 1018  
 COLUMBIA, MD 21044  
 410-997-8800  
 MR. ROBERT CORBETT

HOUSE TYPE	80	86	94
WILLIAM DEAVEN	YES	YES	YES
SARAH DUNMORE	YES (NO OPT. SUNROOM)	YES	YES
CALVERT	YES (NO FF OPT.MBR)	YES	YES
THOMAS GOODWIN	YES (NO 3-CAR GAR)	YES (NO OPT IN-LAW SUITE AND NO SIDE 3-CAR GAR)	YES (NO SIDE 3-CAR GAR.. NO OPT SUNROOM OR IN-LAW SUITE W/ FRONT LOAD 3-CAR GAR.)
GEORGE OLIVER	YES	YES	YES
JAMES RANDOLPH	YES (NO 3-CAR GAR)	YES	YES (NO 3-CAR GAR)
SUMMERHILL	YES	YES	YES
DORCHESTER II	YES (NO 3-CAR GAR)	YES (NO 3-CAR GAR)	YES (NO 3-CAR GAR)
PATRICK HARRISON	YES (NO OPT. SUNROOM)	YES	YES (NO SUNROOM)
HUNTINGTON	YES (NO OPT. SUNROOM AND NO GAR. EXT.)	YES (NO SUNROOM AND NO GAR. EXT.)	YES (NO SUNROOM AND NO GAR. EXT.)
RUTLEDGE	NO	YES (NO COV. PORCH-EL#1)	NO

HOUSE TEMPLATES AND GENERIC BOX CHART  
**STONE LAKE**  
 LOTS 80, 86 AND 94  
 PLAT No. 15338 & 15339  
 ELECTION DISTRICT No. 6  
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=30'	R-ED	02-119
DATE	TAX MAP - GRID	SHEET
JANUARY 2003	47 - 7	2 OF 3



**SEDIMENT CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (410) 313-1855
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS 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 and 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/ditches shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, 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 seedings and mulching (Sec. G).  
Temporary stabilization with mulch alone, can only be done when recommended seeding dates 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 : .89± Acres  
Area Disturbed : .92± Acres  
Area to be roofed or paved : .28± Acres  
Area to be vegetatively stabilized : .64± Acres  
Total Cut : 1500 Cu. Yds.  
Total Fill : 1500 Cu. Yds.  
Off-site waste/borrow area location
- 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 is limited to 3 pipe lengths or that which shall be backfilled and stabilized within 1 working day, whichever is shorter.

**PERMANENT SEEDING NOTES**

Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless 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 square feet) 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. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 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 of 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 reseeds.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING

*Wesley S. D. Light* 1/25/03  
Director Date  
*Cindy Hamant* 1/24/03  
Chief, Department of Land Development Date  
*John Hamant* 1/24/03  
Chief, Development Engineering Division Date

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless 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 October 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 16 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 weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal 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.

**Dust Control**

**Definition**

Controlling dust blowing and movement on construction sites and roads.

To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.

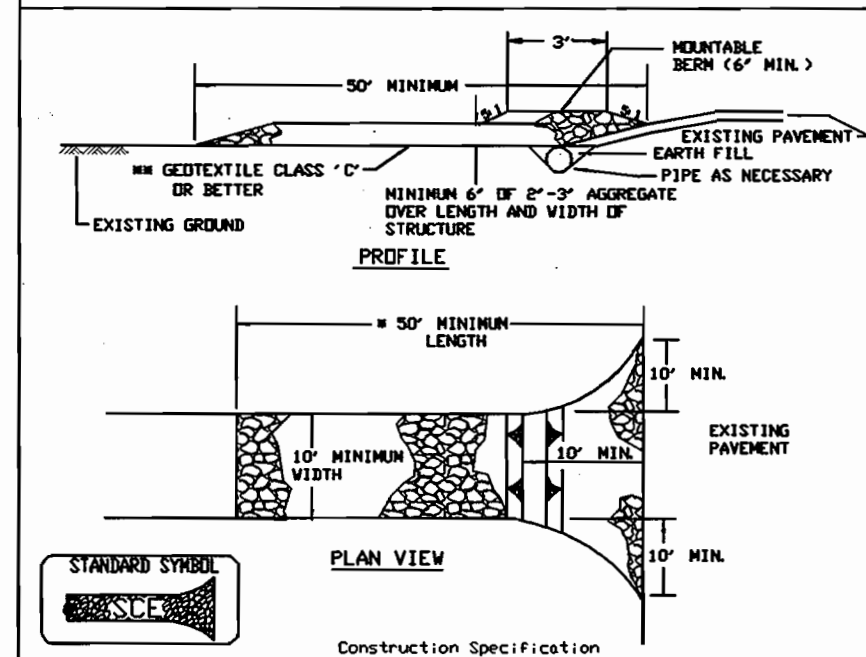
**Conditions Where Practice Applies**

This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.

**Specifications**

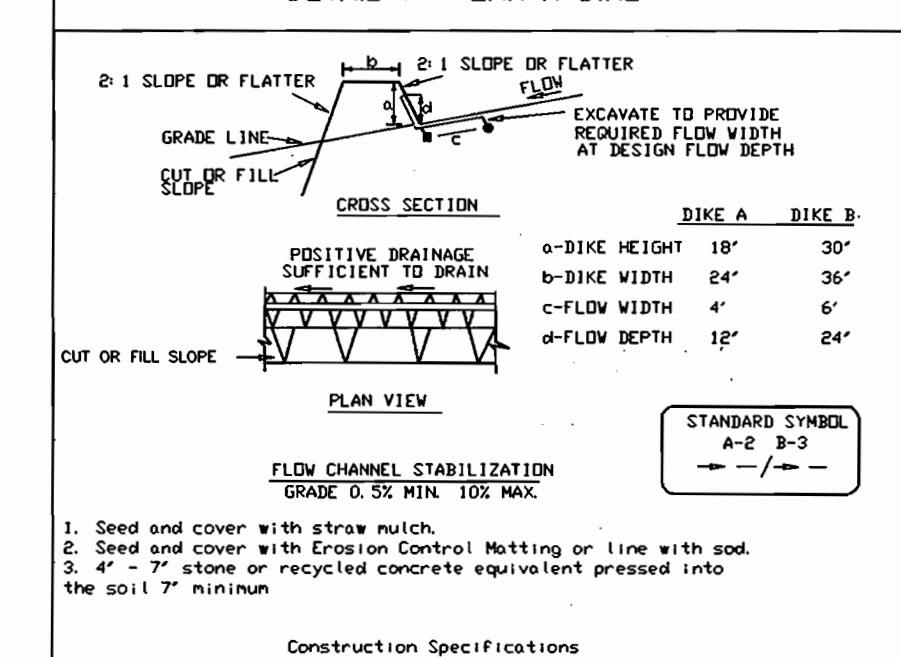
- Temporary Methods
- Mulches - See standards for vegetative stabilization with mulches only. Mulch should be crimped or tacked to prevent blowing.
  - Vegetative Cover - See standards for temporary vegetative cover.
  - Tillage - To roughen surface and bring clods to the surface. This is an emergency measure 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.
  - 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.
  - Barriers - Solid board fences, silt fences, snow fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angle to prevailing currents at intervals at about ten times their height, are effective in controlling soil blowing.
  - Calcium Chloride - Apply at rates that will keep surface moist. May need treatment.
- Permanent Methods
- 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.
  - Topsoiling - Covering with less erosive soil material. See standards for top soil.
  - Stone - Cover surface with crushed stone or gravel.
- References
- Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
  - Agriculture Information Bulletin 354. How to Control Wind Erosion. USDA-ARS.

**DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE**



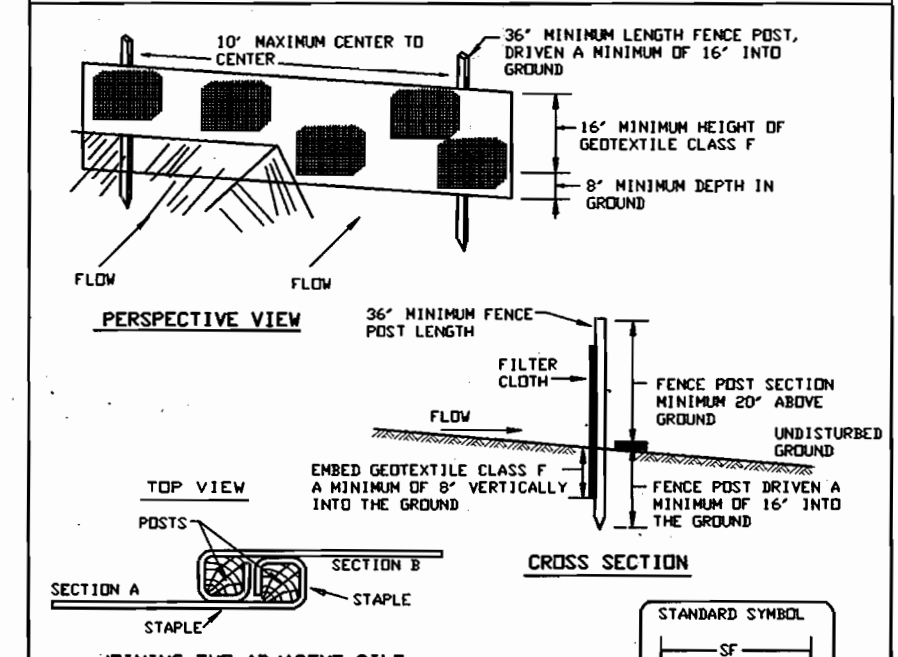
- Length - minimum of 50' (100' for single residence lots).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single 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 berm with 2:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SSE 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.

**DETAIL 1 - EARTH DIKE**



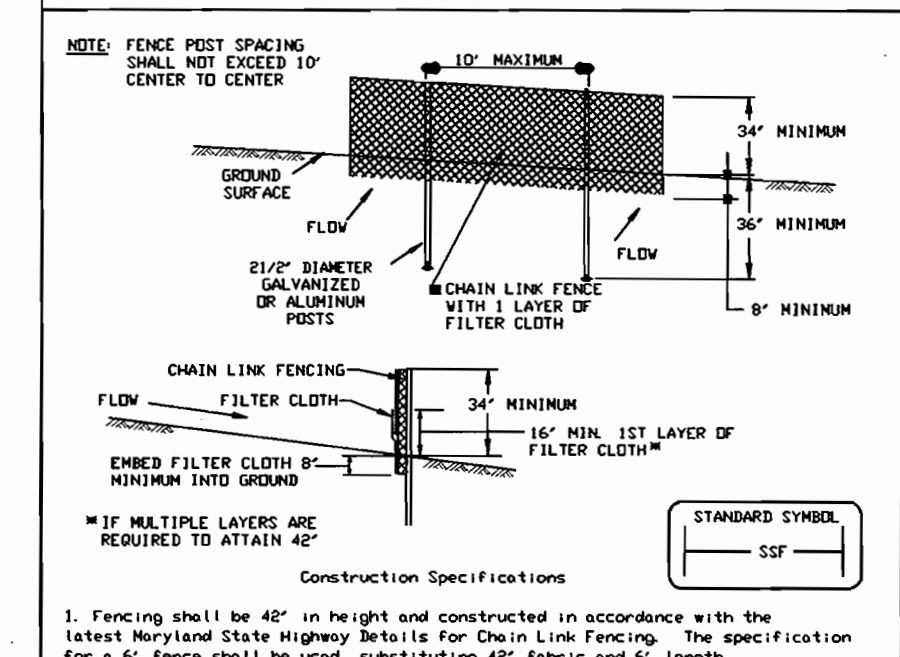
- All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1:1.
- Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
- Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.
- All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.
- The dike shall be excavated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
- Fill shall be compacted by earth moving equipment.
- All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.
- Inspection and maintenance must be provided periodically and after each rain event.

**DETAIL 22 - SILT FENCE**



- 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 good quality hardwood. Steel posts will be standard 1" or U section weighting 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:
- 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 reached 50% of the fabric height.

**DETAIL 33 - SUPER SILT FENCE**



- 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 6" 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 cross 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 bulges 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:
- 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 reached 50% of the fabric height.

**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT AND ARRANGE FOR AN ON SITE MEETING. (1 DAY)
- INSTALL STONE CONSTRUCTION ENTRANCE, EARTH DIKE, SILT FENCE AND SUPER SILT FENCE AS SHOWN ON THESE PLANS. (2 DAYS)
- BEGIN ROUGH GRADING. (1 WEEK)
- CONSTRUCT HOUSE. (3 MONTHS)
- FINE GRADE SITE AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES AND REMOVE SEDIMENT CONTROL DEVICES WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR. (1 WEEK)
- INSTALL SIDEWALK AND DRIVEWAY. (1 WEEK)

**PLANT LIST FOR LOT 80**

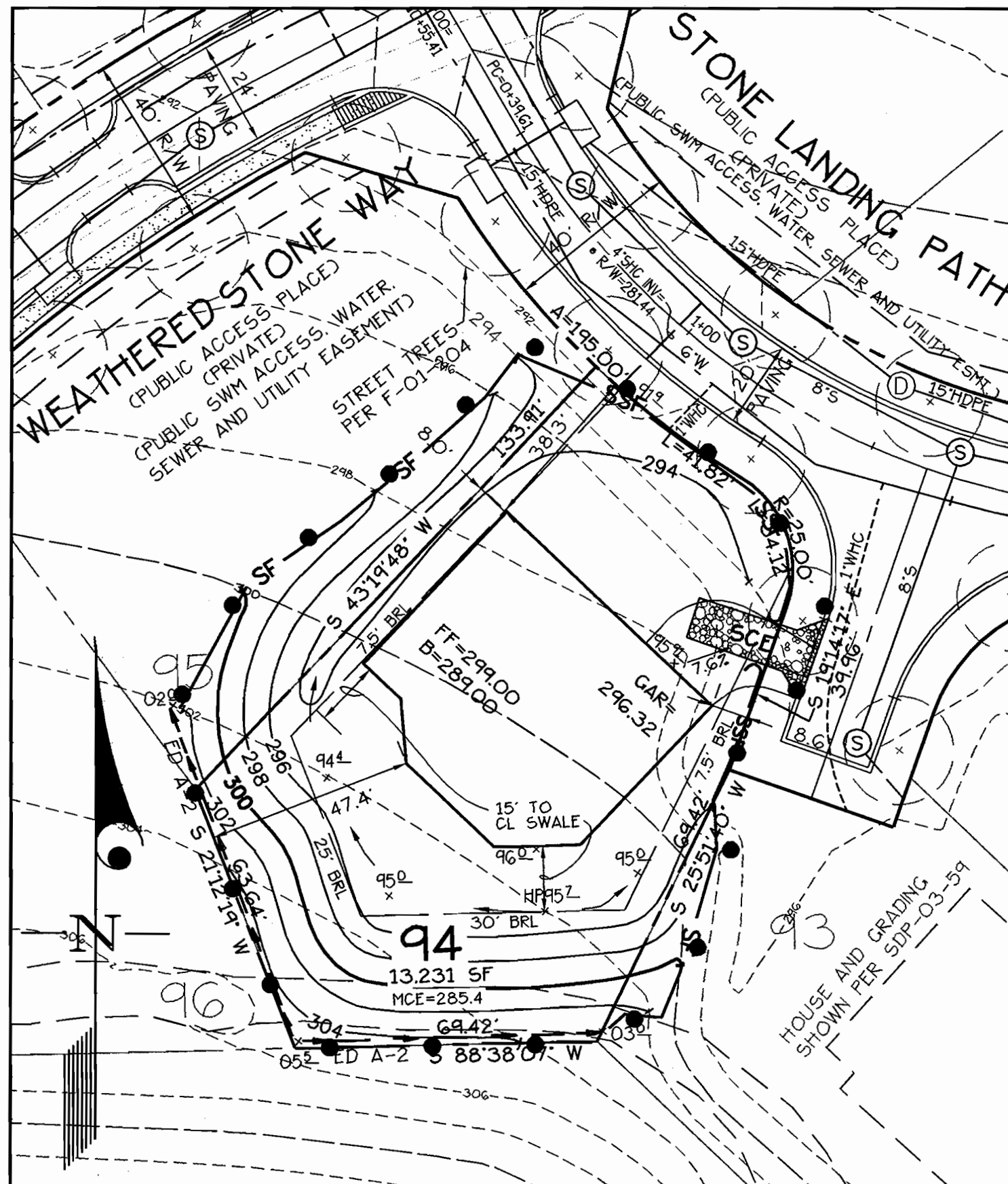
SYMBOL	NAME (BOTANICAL/COMMON)	QTY.	SIZE	COMMENTS
AR	ACER RUBRUM 'OCTOBER GLORY' / OCTOBER GLORY RED MAPLE	3	2 1/2-3' CAL	B + B
PS	PINUS STROBUS/EASTERN PINE	4	6-8' HT.	B + B

**ENGINEER'S CERTIFICATE**  
I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
*Carlton Buttschick* 1-6-03  
Date

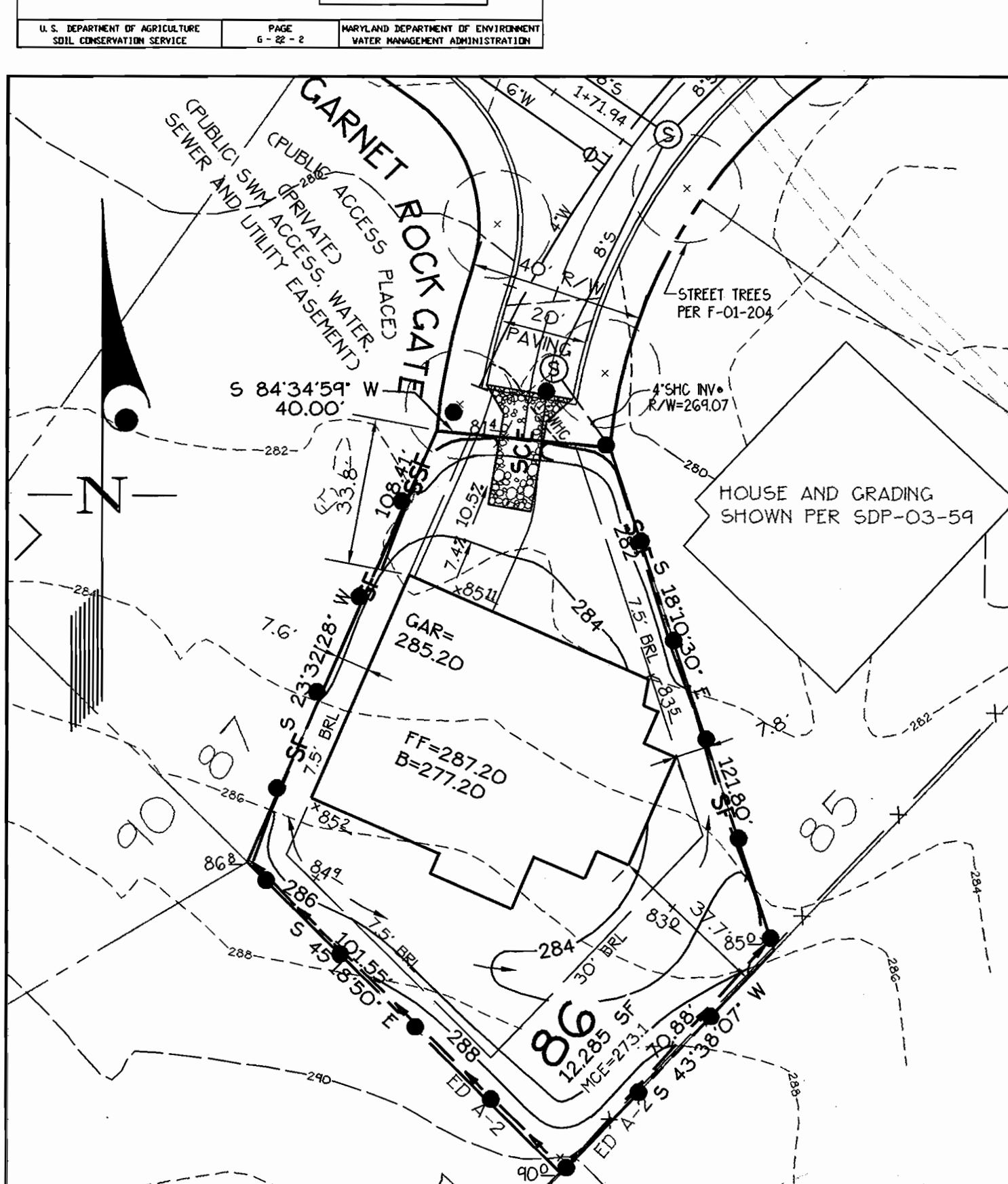
**DEVELOPER'S/BUILDER'S CERTIFICATE**  
I/We certify that all development and/or construction will be done in accordance with this plan, and that any personnel involved in the construction project will have a Certificate of Attendance at a Maryland Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the HSCD.  
*Robert Corbett* 1/8/03  
Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.  
*Jim Meyer* 1/17/03  
Natural Resources Conservation District Date

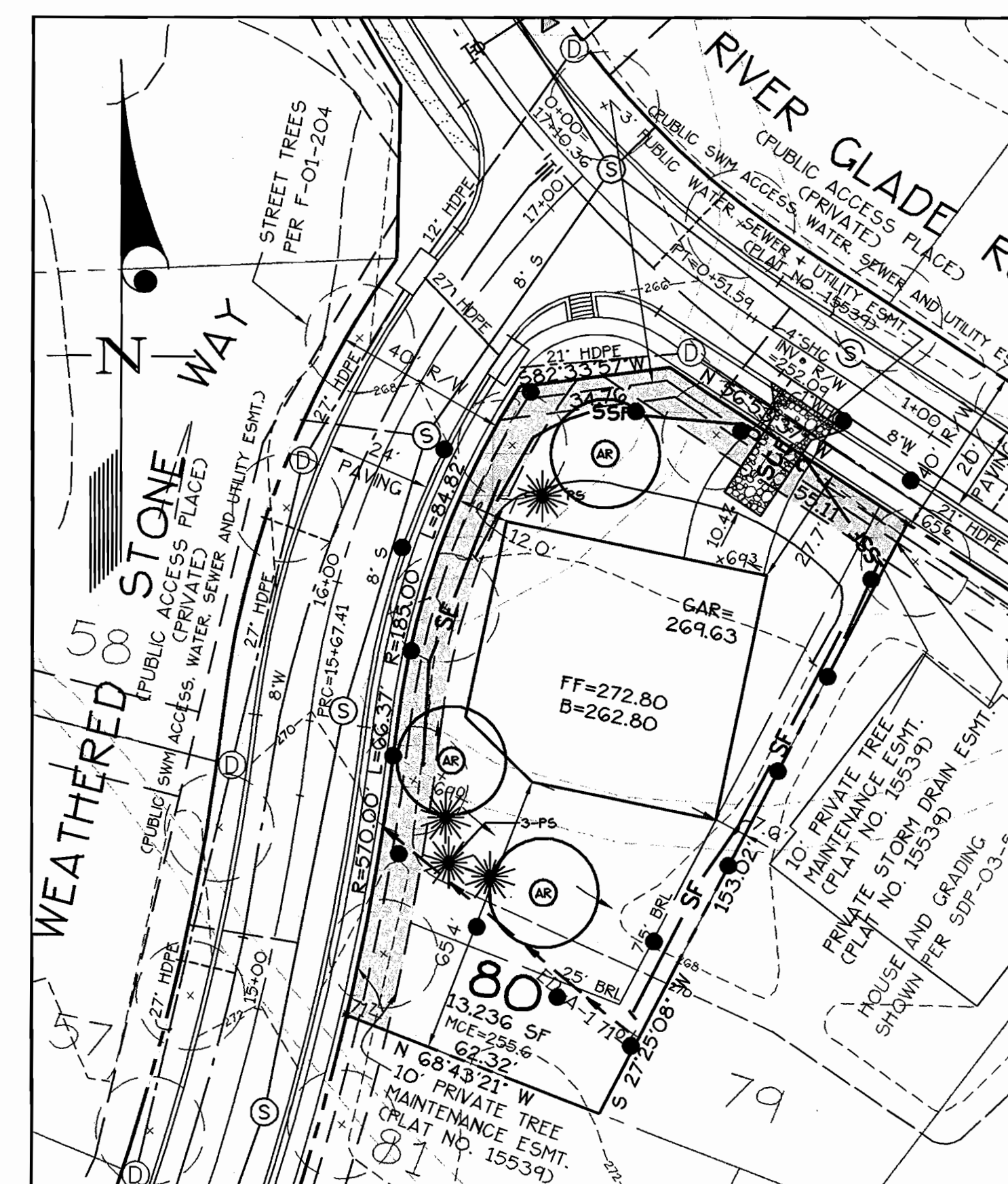
This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.  
*John Hamant* 1/17/03  
Howard S.C.D. Date



**LOT 94**



**LOT 86**



**LOT 80**

**GLWGUTSCHICK LITTLE & WEBER, P.A.**  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONTVILLE OFFICE PARK  
BURTONTVILLE, MARYLAND 20898  
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R

PREPARED FOR:  
WILLIAMSBURG GROUP  
P.O. BOX 1018  
COLUMBIA, MD 21044  
410-997-8800  
MR. ROBERT CORBETT

**SITE, LANDSCAPE AND SEDIMENT CONTROL PLAN**  
**STONE LAKE**  
LOTS 80, 86 AND 94  
PLAT No. 15538 & 15539  
ELECTION DISTRICT No. 6  
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=30'	R-ED	02-119
DATE	TAX MAP - GRID	SHEET
JANUARY 2003	47-7	3 OF 3

**SEDIMENT CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (410) 313-1855
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS 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 and perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, 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 seedings and mulching (Sec. G). Temporary stabilization, with mulch alone, can only be done when recommended seeding dates 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 : .89± Acres
  - Area Disturbed : .92± Acres
  - Area to be roofed or paved : .28± Acres
  - Area to be vegetatively stabilized : .64± Acres
  - Total Cut : 1500 Cu. Yds.
  - Total Fill : 1500 Cu. Yds.
  - Off-site waste/borrow area location :
- 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 is limited to 3 pipe lengths or that which shall be backfilled and stabilized within 1 working day, whichever is shorter.

**PERMANENT SEEDING NOTES**

Apply to graded or cleared area 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 (unless 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 square feet) 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. At time of seeding, apply 400 lbs per acre 30-0-0 urea-forma fertilizer (9 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square feet) and 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 of 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**

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless 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 October 15, seed with 2-1/2 bushel per acre of annual rye (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 16 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, weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal 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.

**Dust Control**

**Definition**

Controlling dust blowing and movement on construction sites and roads. To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.

**Purpose**

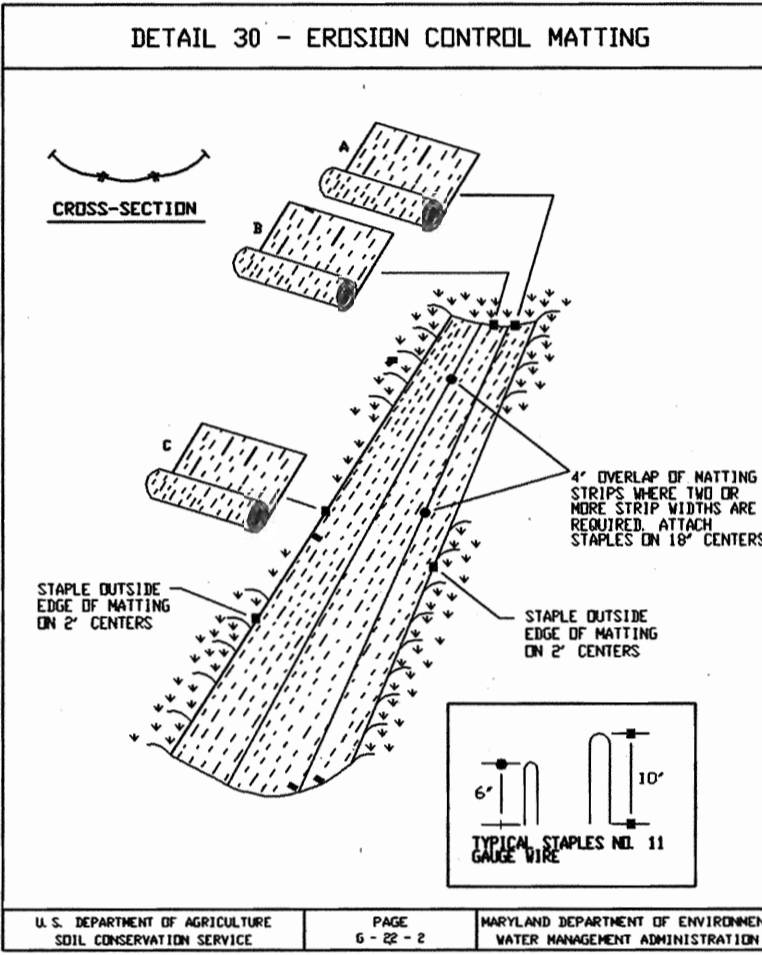
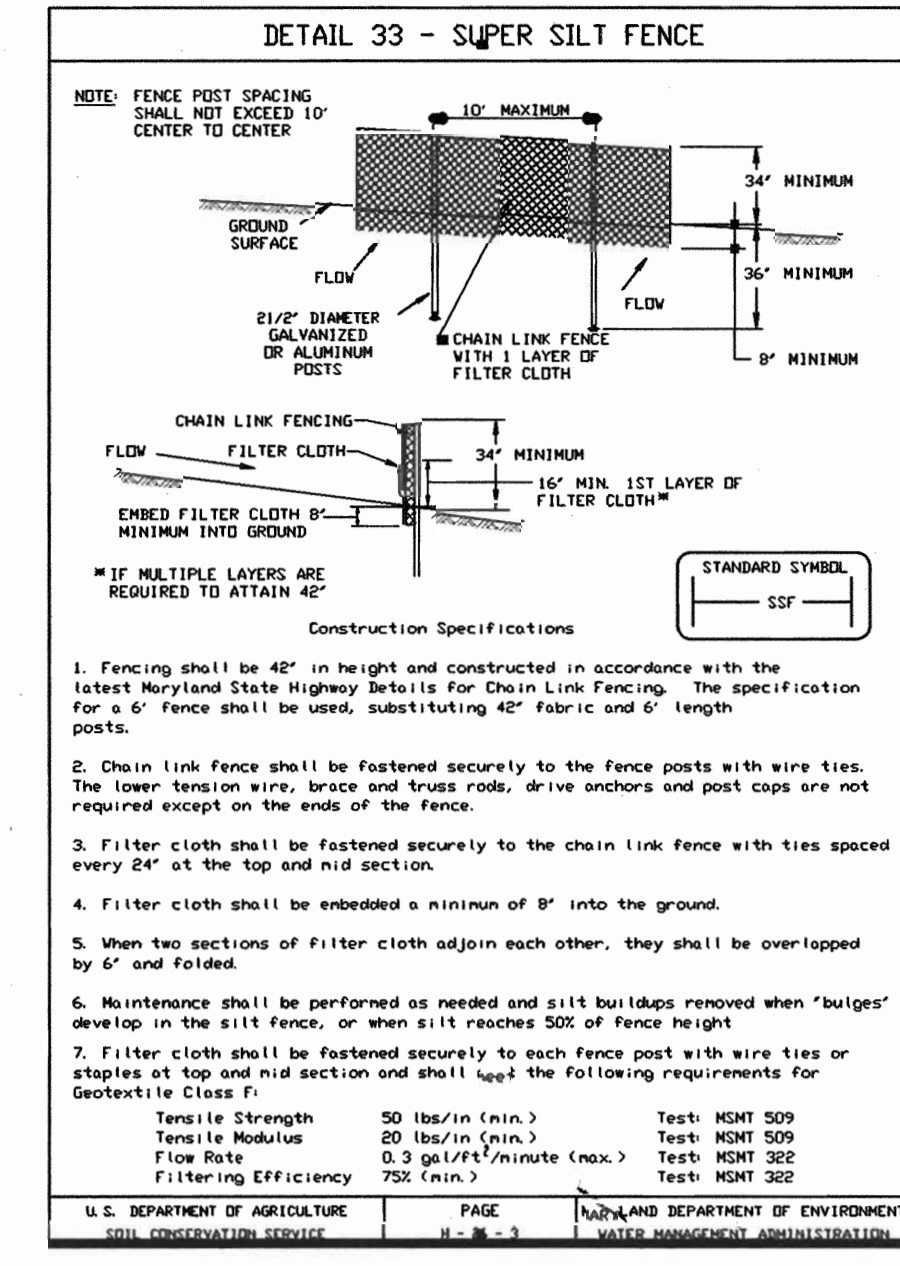
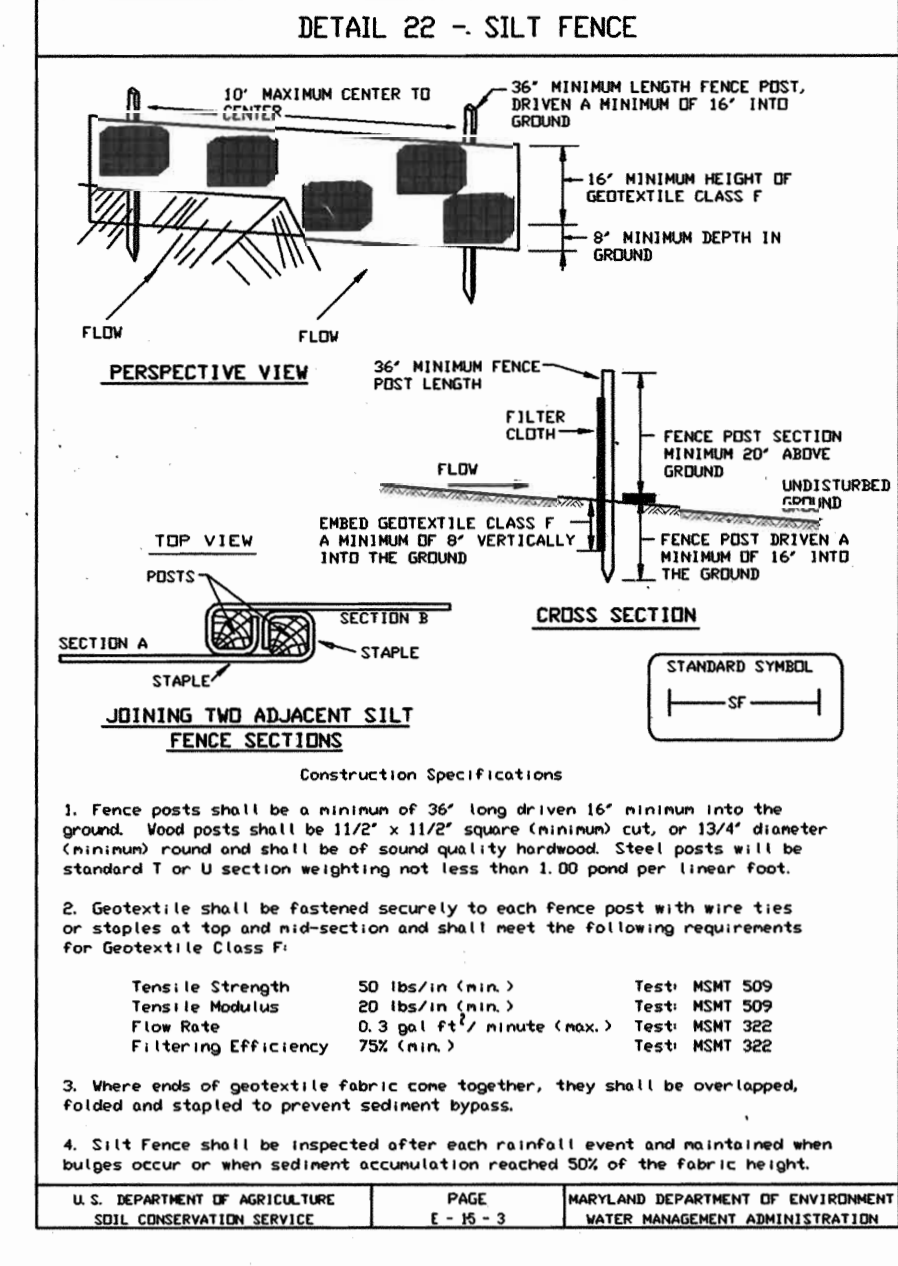
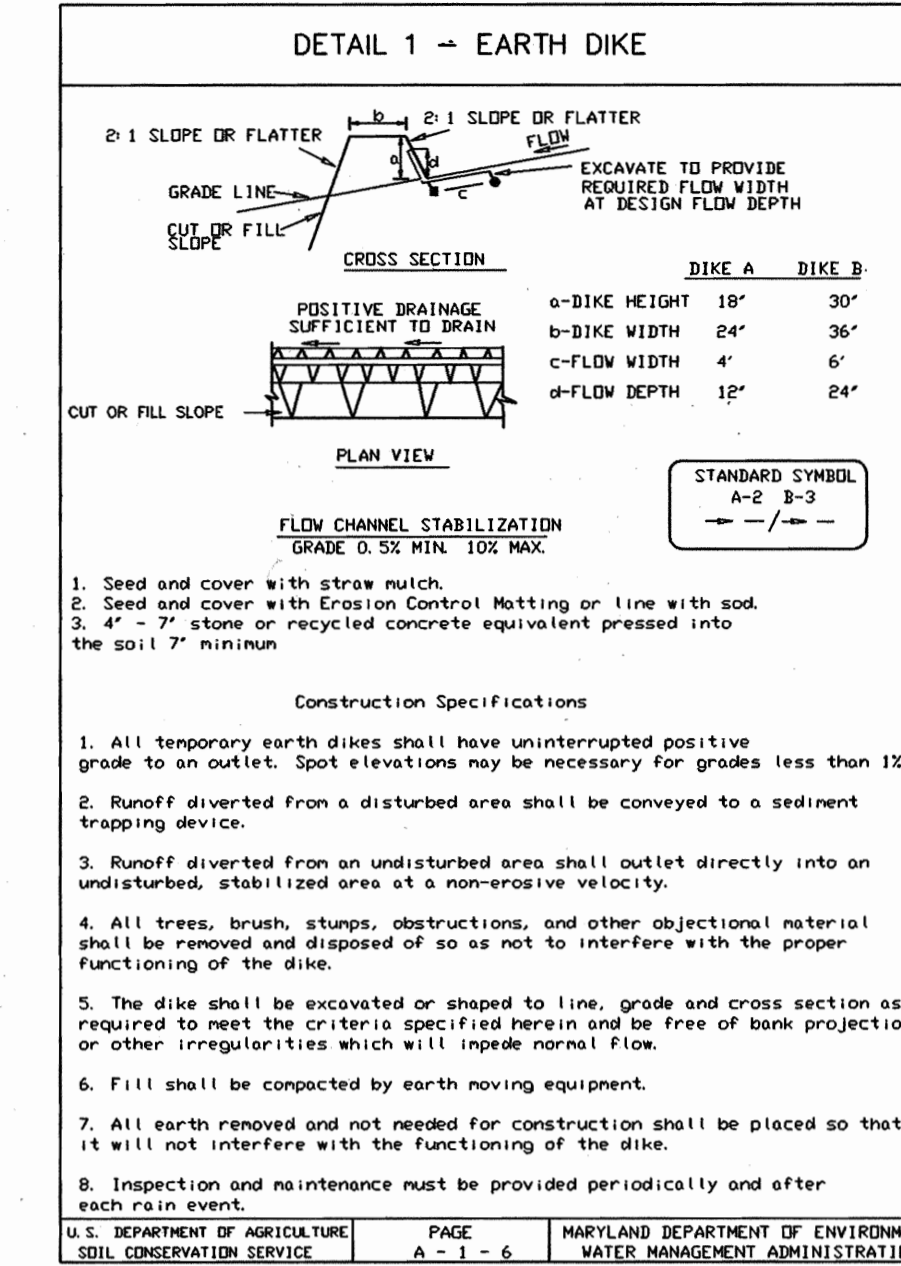
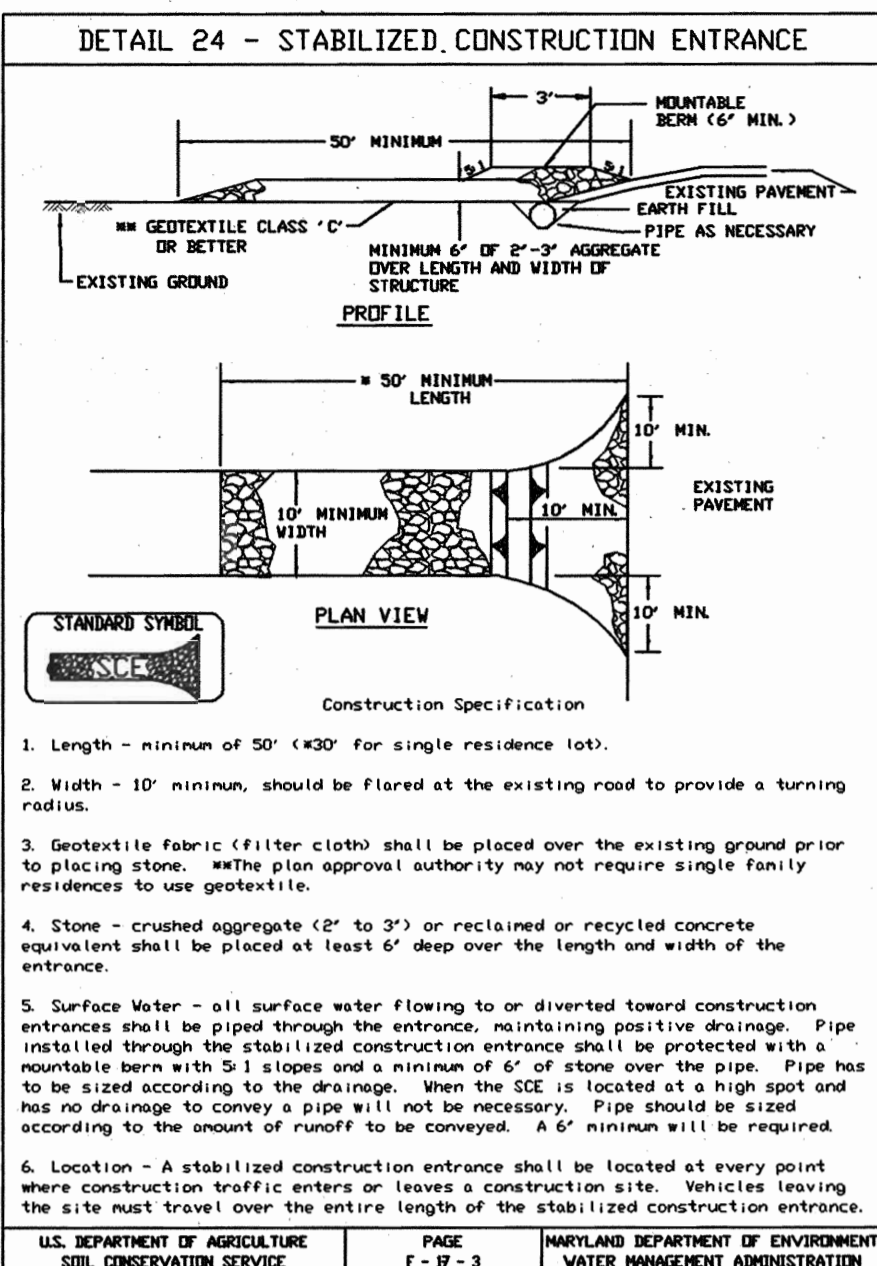
To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.

**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**

- Mulches - See standards for vegetative stabilization with mulches only, mulch should be crimped or tacked to prevent blowing.
  - Vegetative Cover - See standards for temporary vegetative cover.
  - Tillage - To roughen surface and bring clods to the surface. This is an emergency measure 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.
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  - Calcium Chloride - Apply at rates that will keep surface moist. May need treatment.
- Permanent Methods
- 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.
  - Topsoiling - Covering with less erosive soil material. See standards for top soil.
  - Stone - Cover surface with crushed stone or gravel.
- References
- Agriculture Handbook 346, Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
  - Agriculture Information Bulletin 354, How to Control Wind Erosion, USDA-ARS.



- SEQUENCE OF CONSTRUCTION**
- OBTAIN GRADING PERMIT AND ARRANGE FOR AN ON SITE MEETING. (1 DAY)
  - INSTALL STONE CONSTRUCTION ENTRANCE, EARTH DIKE, SILT FENCE AND SUPER SILT FENCE AS SHOWN ON THESE PLANS. (2 DAYS)
  - BEGIN ROUGH GRADING. (1 WEEK)
  - CONSTRUCT HOUSE. (3 MONTHS)
  - FINE GRADE SITE AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES AND REMOVE SEDIMENT CONTROL DEVICES WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR. (1 WEEK)
  - INSTALL SIDEWALK AND DRIVEWAY. (1 WEEK)

**PLANT LIST FOR LOT 80**

SYMBOL	NAME (BOTANICAL / COMMON)	QTY.	SIZE	COMMENTS
AR	ACER RUBRUM / OCTOBER GLORY / OCTOBER GLORY RED MAPLE	3	2 1/2-3" CAL	B + B
PS	PINUS STROBUS / EASTERN PINE	4	6-8' HT.	B + B

**ENGINEER'S CERTIFICATE**

I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*Carlton W. Wick* 1-6-03  
Date

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

I/We certify that all development and/or construction will be done in accordance to this plan and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Maryland 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 HSCD.

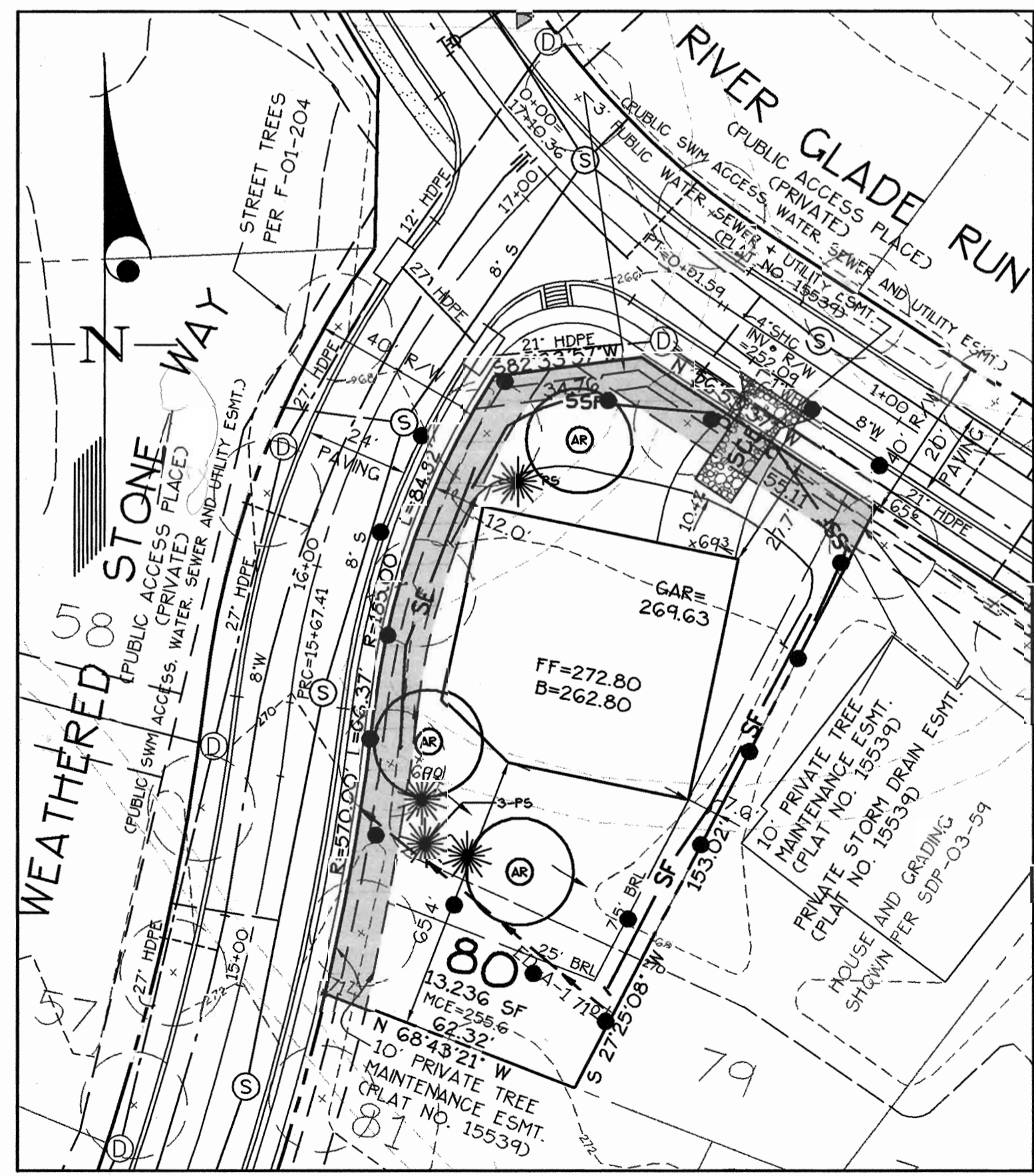
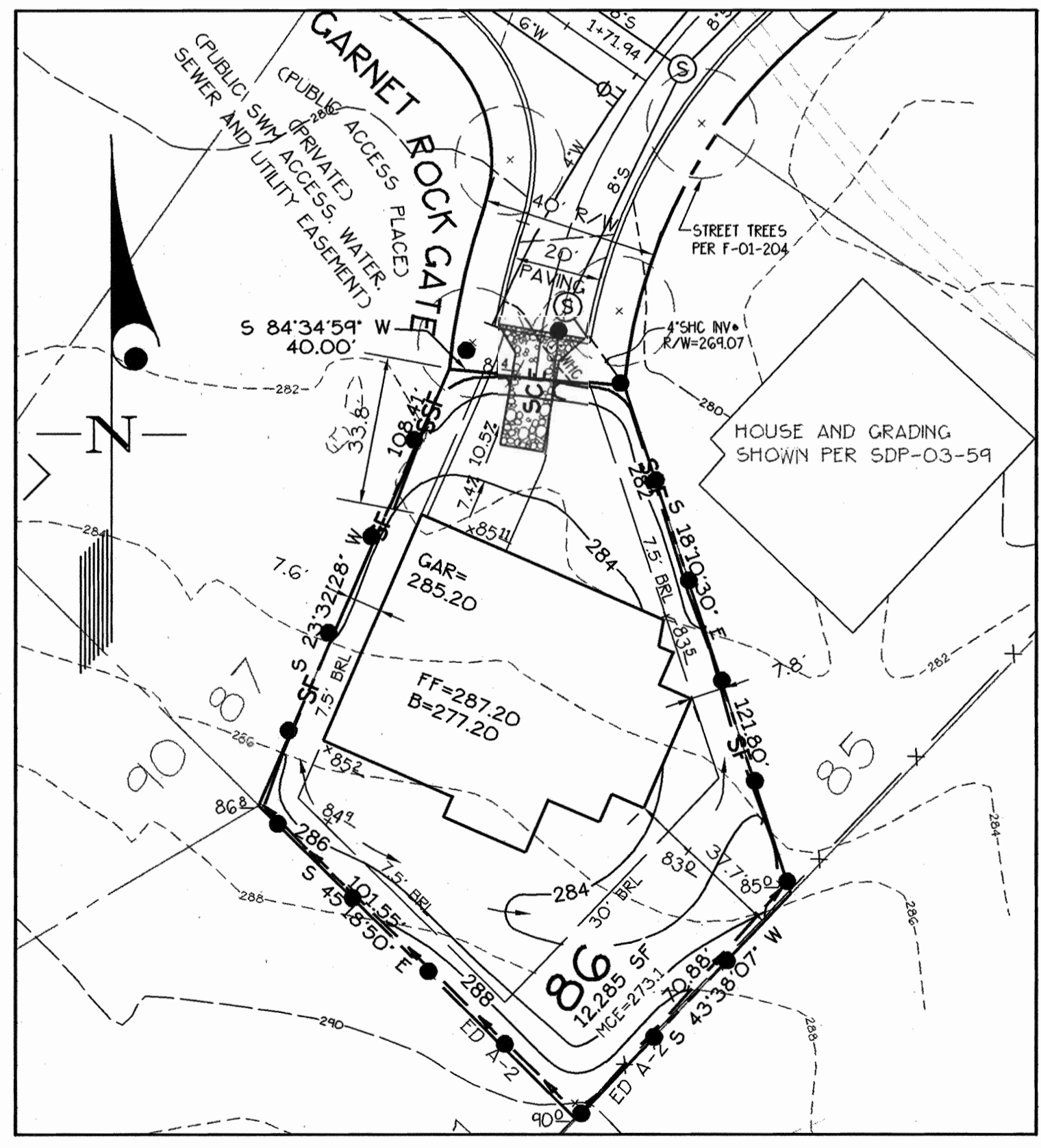
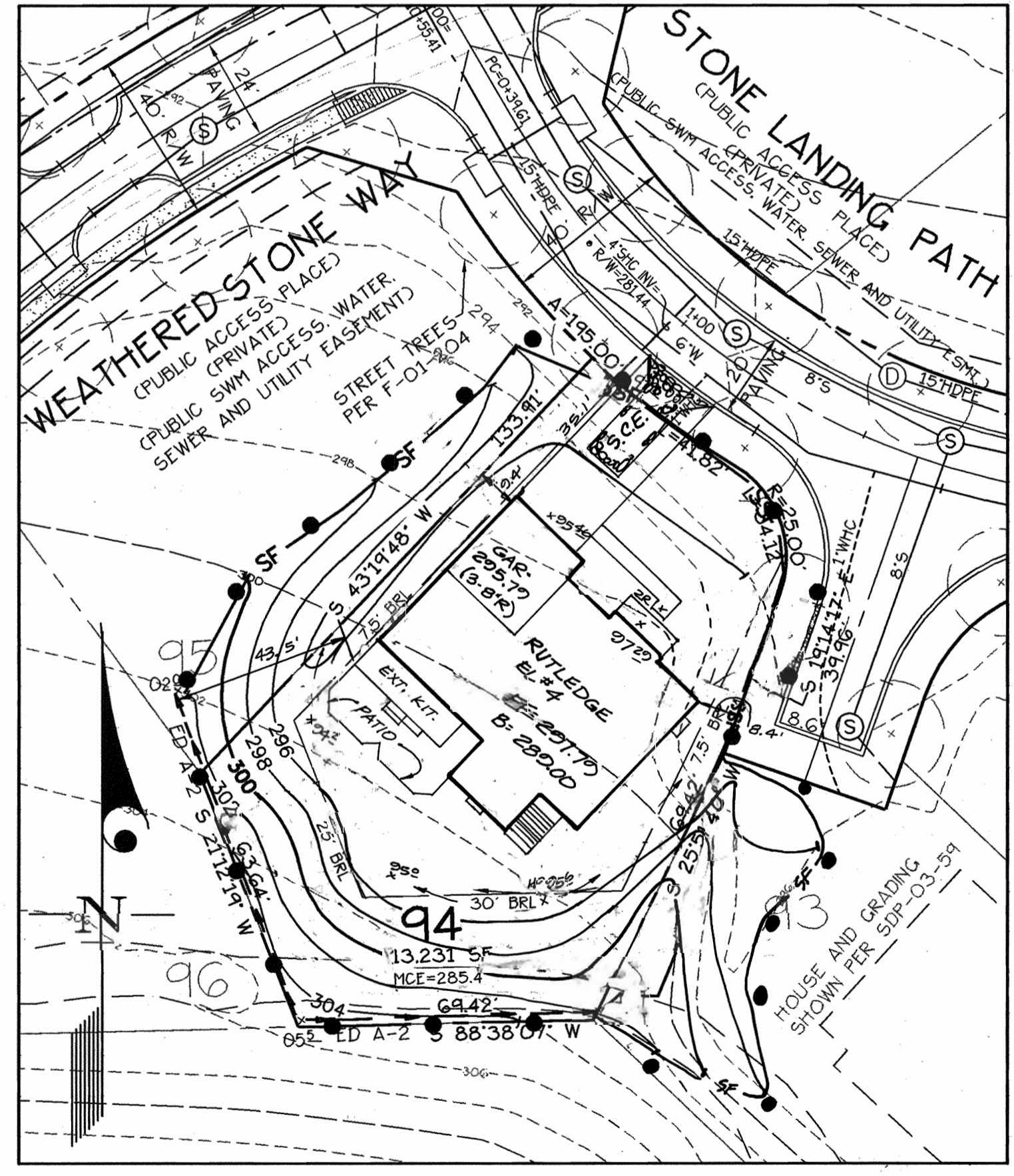
*Robert Corbett* 1/6/03  
Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

*Jim Mayes* 1/17/03  
Date

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

*John W. Miller* 1/17/03  
Date



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING

*David S. L. Taylor* 1/28/03  
Director Date

*Cindy Hamant* 1/21/03  
Chief, Division of Land Development Date

*William J. ...* 1/22/03  
Chief, Development Engineering Division Date

**GLWGUTSCHICK LITTLE & WEBER, P.A.**  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONTVILLE OFFICE PARK  
BURTONTVILLE, MARYLAND 20866  
TEL: 301-421-4024 FAX: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.
03-19-04	LOT 94 - REVISED TO SHOW AS-BUILT CONDITIONS FOR GRADE CERTIFICATION	HJK	

PREPARED FOR:  
WILLIAMSBURG GROUP  
P.O. BOX 1018  
COLUMBIA, MD 21044  
410-997-8800  
MR. ROBERT CORBETT

**SITE, LANDSCAPE AND SEDIMENT CONTROL PLAN**

**STONE LAKE**  
LOTS 80, 86 AND 94  
PLAT No. 15538 & 15539

ELECTION DISTRICT No. 6

SCALE	ZONING	G. L. W. FILE NO.
1"=30'	R-ED	02-119
DATE	TAX MAP - GRID	SHEET
JANUARY 2003	47 - 7	3 OF 3

**SEDIMENT CONTROL NOTES**

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- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS 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 and perimeter slopes and all slopes greater than 3:1.
  - 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, 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 seedings and mulching (Sec. G). Temporary stabilization with mulch alone can only be done when recommended seeding dates 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	: .89± Acres
Area Disturbed	: .92± Acres
Area to be roofed or paved	: .28± Acres
Area to be vegetatively stabilized	: .64± Acres
Total Fill	: 1500 Cu. Yds.
Off-site waste/borrow area location	: 1500 Cu. Yds.
- 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 is limited to 3 pipe lengths or that which shall be backfilled and stabilized within 1 working day, whichever is shorter.

**PERMANENT SEEDING NOTES**

Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless 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 square feet) 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. At time of seeding apply 400 lbs per acre 30-0-0 ureaformal fertilizer (9 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square feet) and 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 (0.5 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 of 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.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING

*Robert Corbett* 1/28/03  
Director Date

*John Hamant* 1/29/03  
Chief, Division of Land Development Date

*John Hamant* 1/29/03  
Chief, Development Engineering Division Date

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless 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 October 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 (0.7 lbs/1000 sq ft). For the period November 16 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 weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal 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.

**Dust Control**

**Definition**

Controlling dust blowing and movement on construction sites and roads.

**Purpose**

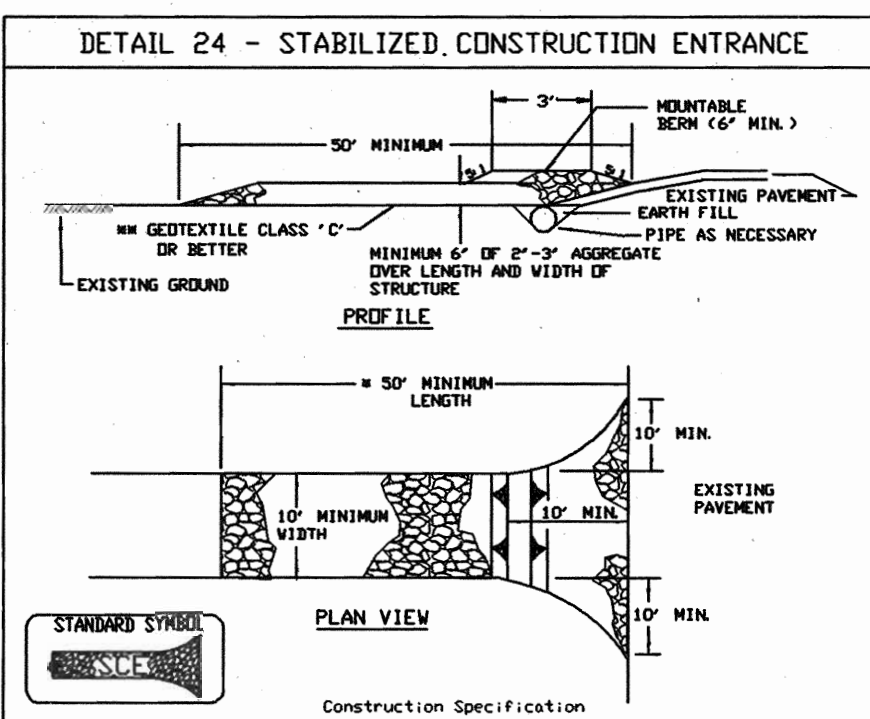
To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site development, health hazards, and improve traffic safety.

**Conditions Where Practice Applies**

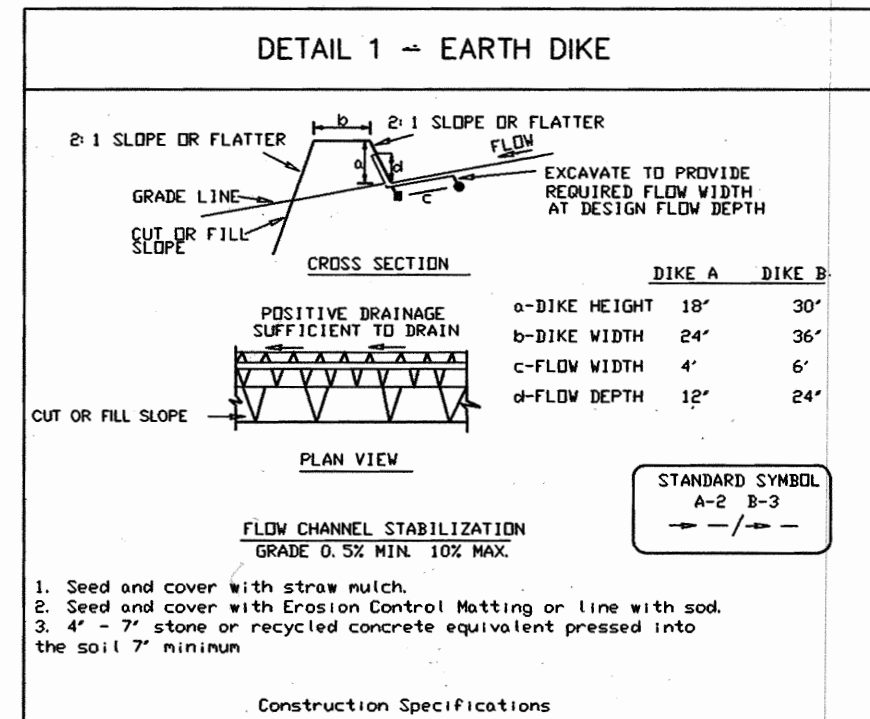
This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.

**Specifications**

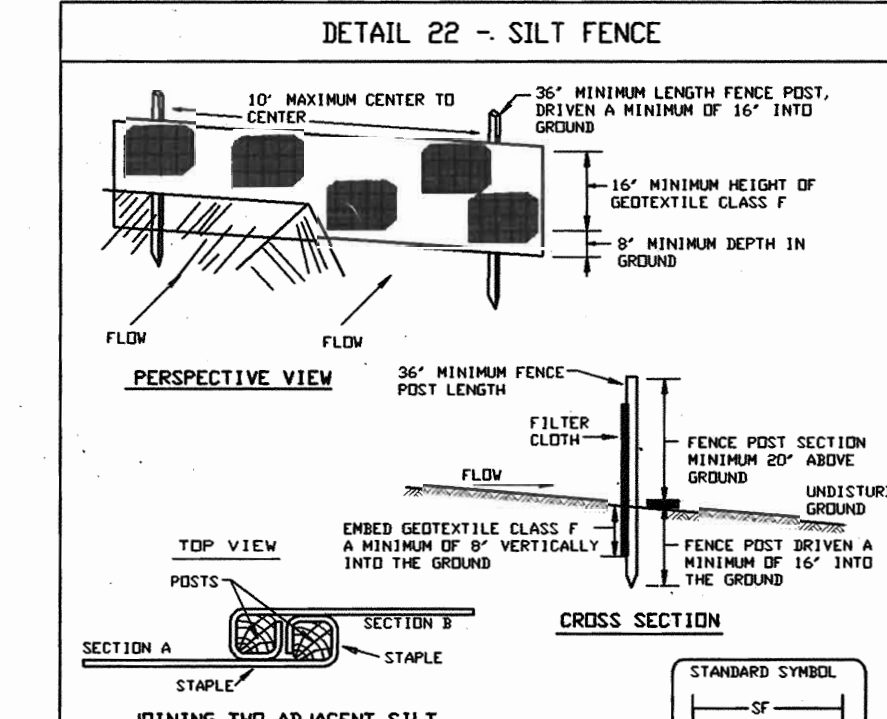
- Temporary Methods
- Mulches - See standards for vegetative stabilization with mulches only, mulch should be crimped or tacked to prevent blowing.
  - Vegetative Cover - See standards for temporary vegetative cover.
  - Tillage - To roughen surface and bring clods to the surface. This is an emergency measure 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.
  - 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.
  - Barriers - Solid board fences, silt fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angle to prevailing currents at intervals at about ten times their height are effective in controlling soil blowing.
  - Calcium Chloride - Apply at rates that will keep surface moist. May need treatment.
- Permanent Methods
- 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.
  - Topsoiling - Covering with less erosive soil material. See standards for top soil.
  - Stone - Cover surface with crushed stone or gravel.
- References
- Agriculture Handbook 346, Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss
  - Agriculture Information Bulletin 354, How to Control Wind Erosion, USDA-ARS.



- Construction Specifications
- Length - minimum of 30' (400' for single residence lots).
  - Width - 10' minimum, should be flared 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 portable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the 5:1 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 1-10-2 MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

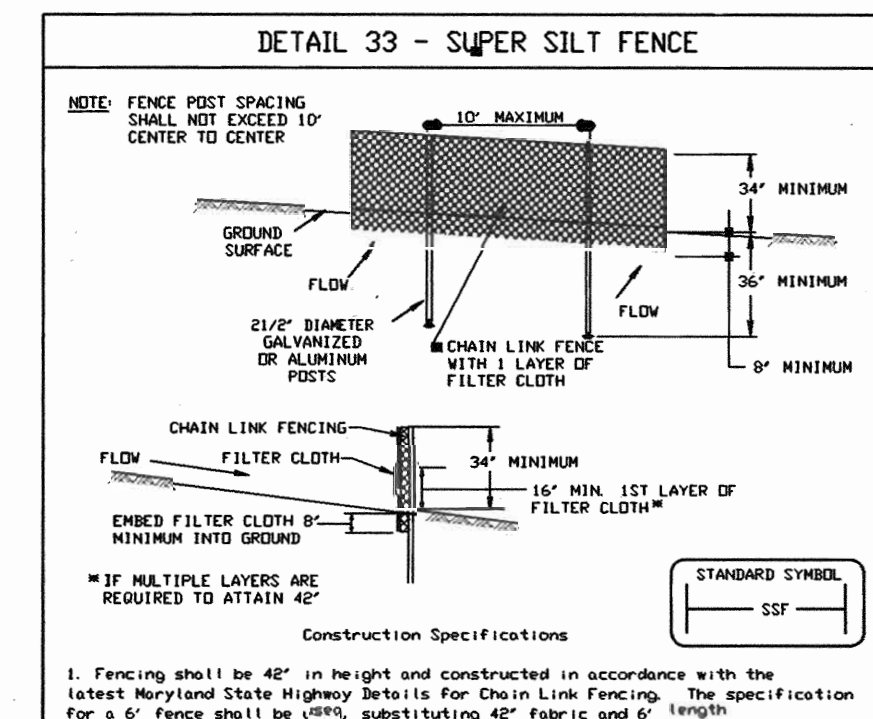


- Construction Specifications
- All temporary earth dikes shall have uninterrupted positive grade from an outlet. Spot elevations may be necessary for grades less than 1:2.
  - Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
  - Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.
  - All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.
  - The dike shall be excavated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
  - Fill shall be compacted by earth moving equipment.
  - All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.
  - Inspection and maintenance must be provided periodically and after each rain event.
- U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 1-1-6 MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION



- 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: MMT 509
Tensile Modulus	30 lbs/in (min.)	Test: MMT 509
Flow Rate	0.3 gal/ft <sup>2</sup> /minute (max.)	Test: MMT 322
Filtering Efficiency	75% (min.)	Test: MMT 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 50% of the fabric height.
  - Inspection and maintenance must be provided periodically and after each rain event.
- U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 1-10-3 MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION



- Construction Specifications
- Fencing shall be 48" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 4" fence shall be 48", substituting 4" fabric and 6" length posts.
  - Chain link fence shall be fastened securely to the fence posts with wire ties. The lower section wire, brace and cross 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 24" and folded.
  - Maintenance shall be performed as needed and silt basins removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
  - Filter cloth shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.
  - Inspection and maintenance must be provided periodically and after each rain event.
- U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 1-10-3 MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT AND ARRANGE FOR AN ON SITE MEETING. (1 DAY)
- INSTALL STONE CONSTRUCTION ENTRANCE, EARTH DIKE, SILT FENCE AND SUPER SILT FENCE AS SHOWN ON THESE PLANS. (2 DAYS)
- BEGIN ROUGH GRADING. (1 WEEK)
- CONSTRUCT HOUSE. (3 MONTHS)
- FINE GRADE SITE AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES AND REMOVE SEDIMENT CONTROL DEVICES WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR. (1 WEEK)
- INSTALL SIDEWALK AND DRIVEWAY. (1 WEEK)

**PLANT LIST FOR LOT 80**

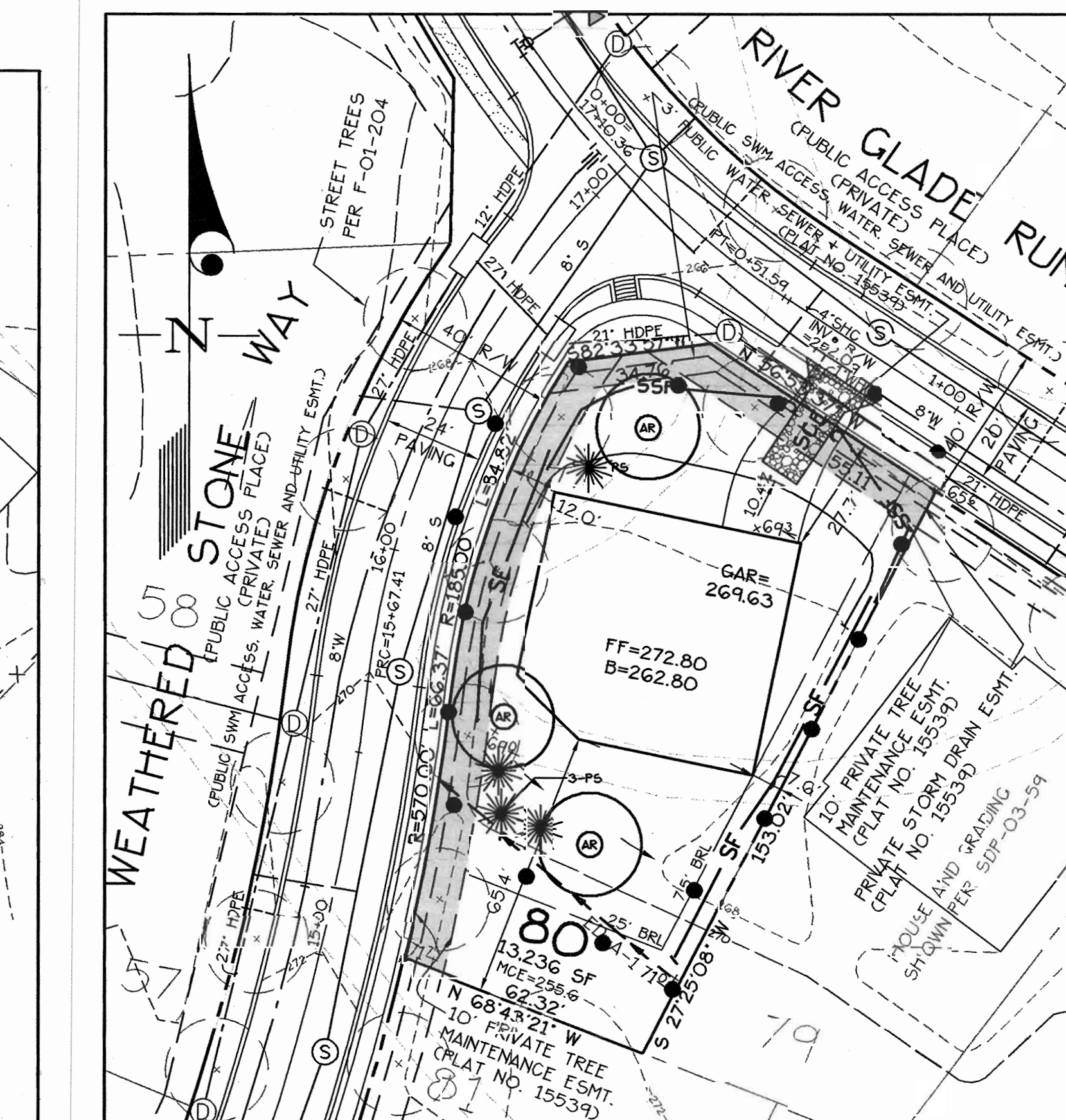
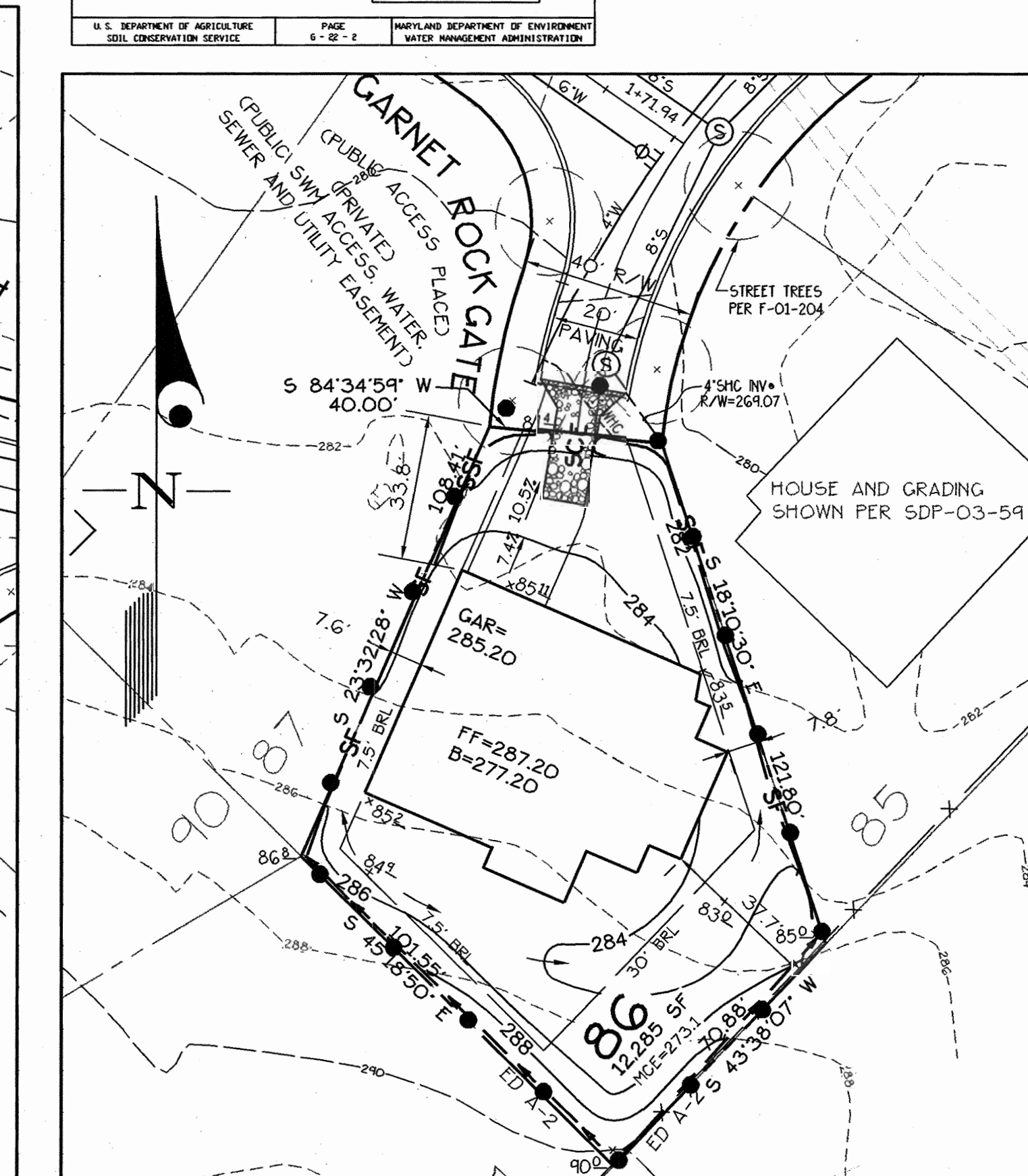
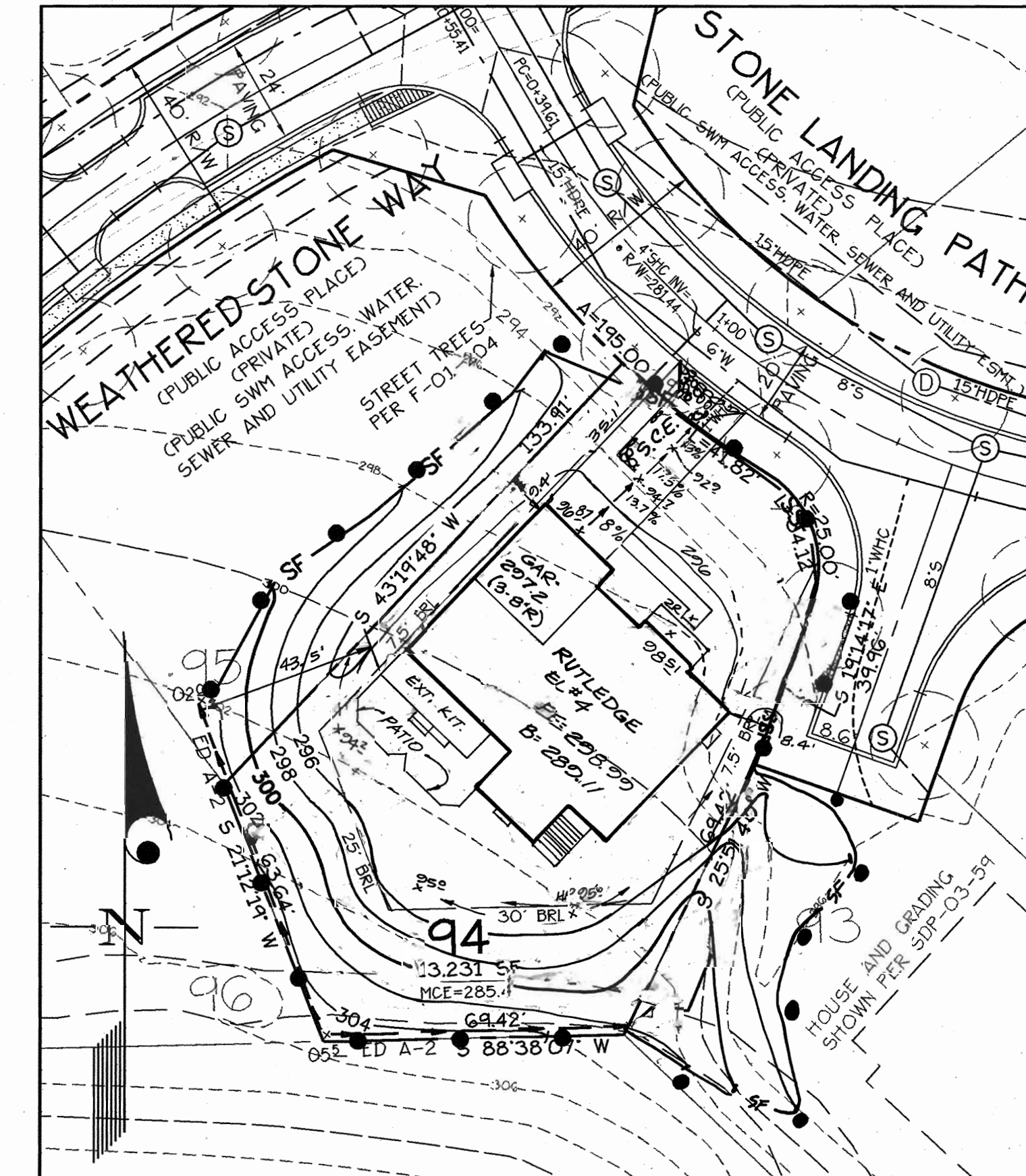
SYMBOL	NAME (BOTANICAL/COMMON)	QTY.	SIZE	COMMENTS
AR	ACER RUBRUM 'OCTOBER GLORY' / OCTOBER GLORY RED MAPLE	3	2 1/2-3" CAL	B + B
PS	PINUS STROBUS/EASTERN PINE	4	6-8' HT.	B + B



**ENGINEER'S CERTIFICATE**

I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*Carlton Outcick* 1-6-03  
Carlton Outcick, PE. Date



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

I/We certify that all development and/or construction will be done in accordance to this plan, and that any responsible person involved in the construction project will have a Certificate of Attendance at a Maryland 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 HSCD.

*Robert Corbett* 1/28/03  
Robert Corbett Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

*Jim Meyer* 1/17/03  
Natural Resources Conservation Service Date

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

*John Hamant* 1/17/03  
Howard S.C.D. Date

**GLWGUTSCHICK LITTLE & WEBER, P.A.**  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3809 NATIONAL DRIVE, SUITE 250 - BURTNSVILLE OFFICE PARK  
BURTNSVILLE, MARYLAND 20886  
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

NO.	DATE	DESCRIPTION	BY	APP'D.
08-29-04		LOT 94 - REV. FF & GAR ELEV. & DRAIN SLOPE FOR FINAL GRADE CERTIFICATION	HKJ	
03-19-04		LOT 94 - REVISE TO SHOW AS-BUILT CONDITIONS FOR GRADE CERTIFICATION	HKJ	

PREPARED FOR:  
WILLIAMSBURG GROUP  
P.O. BOX 1018  
COLUMBIA, MD 21044  
410-997-8800  
MR. ROBERT CORBETT

**SITE, LANDSCAPE AND SEDIMENT CONTROL PLAN**

**STONE LAKE**  
LOTS 80, 86 AND 94  
PLAT NO. 15338 & 15339

ELECTION DISTRICT No. 6

SCALE	ZONING	G. L. W. FILE NO.
1"=30'	R-ED	02-119
DATE	TAX MAP - GRID	SHEET
JANUARY 2003	47-7	3 OF 3

**SEDIMENT CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (410) 313-1855
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS 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 and perimeter slopes and all slopes greater than 3:1.
  - 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, 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 seedings and mulching (Sec. G). Temporary stabilization, with mulch, can only be done when recommended seeding dates 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	: .89± Acres
Area Disturbed	: .92± Acres
Area to be roofed or paved	: .28± Acres
Area to be vegetatively stabilized	: .64± Acres
Total Cut	: 1500 Cu. Yds.
Total Fill	: 1500 Cu. Yds.
Off-site waste/borrow area location	
- 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 is limited to 3 pipe lengths or that which shall be backfilled and stabilized within 1 working day, whichever is shorter.

**PERMANENT SEEDING NOTES**

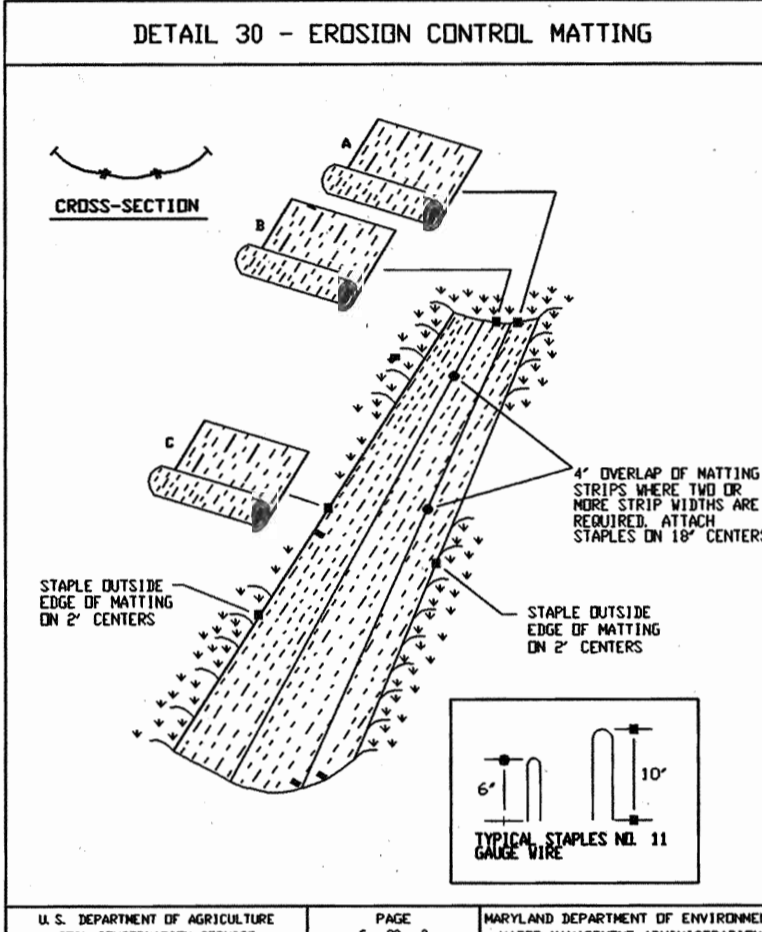
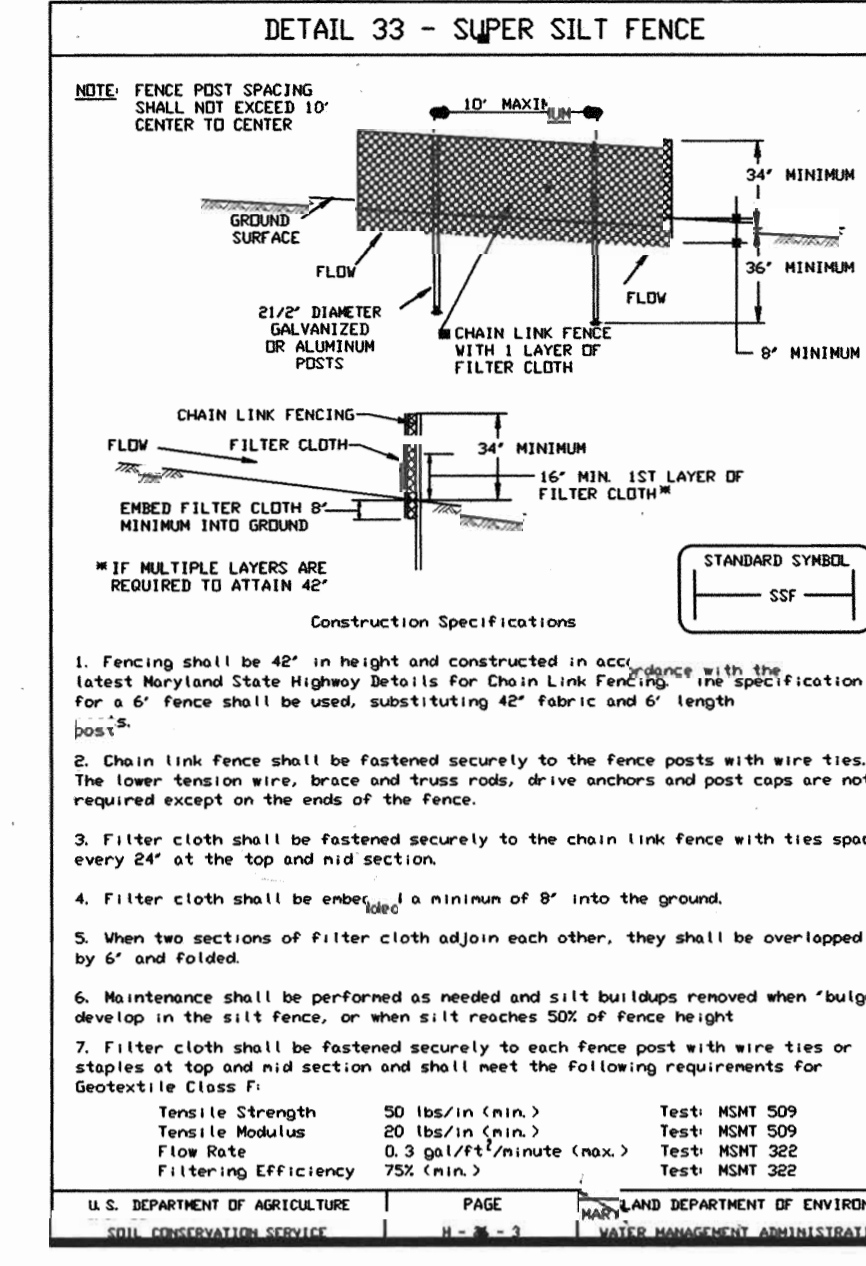
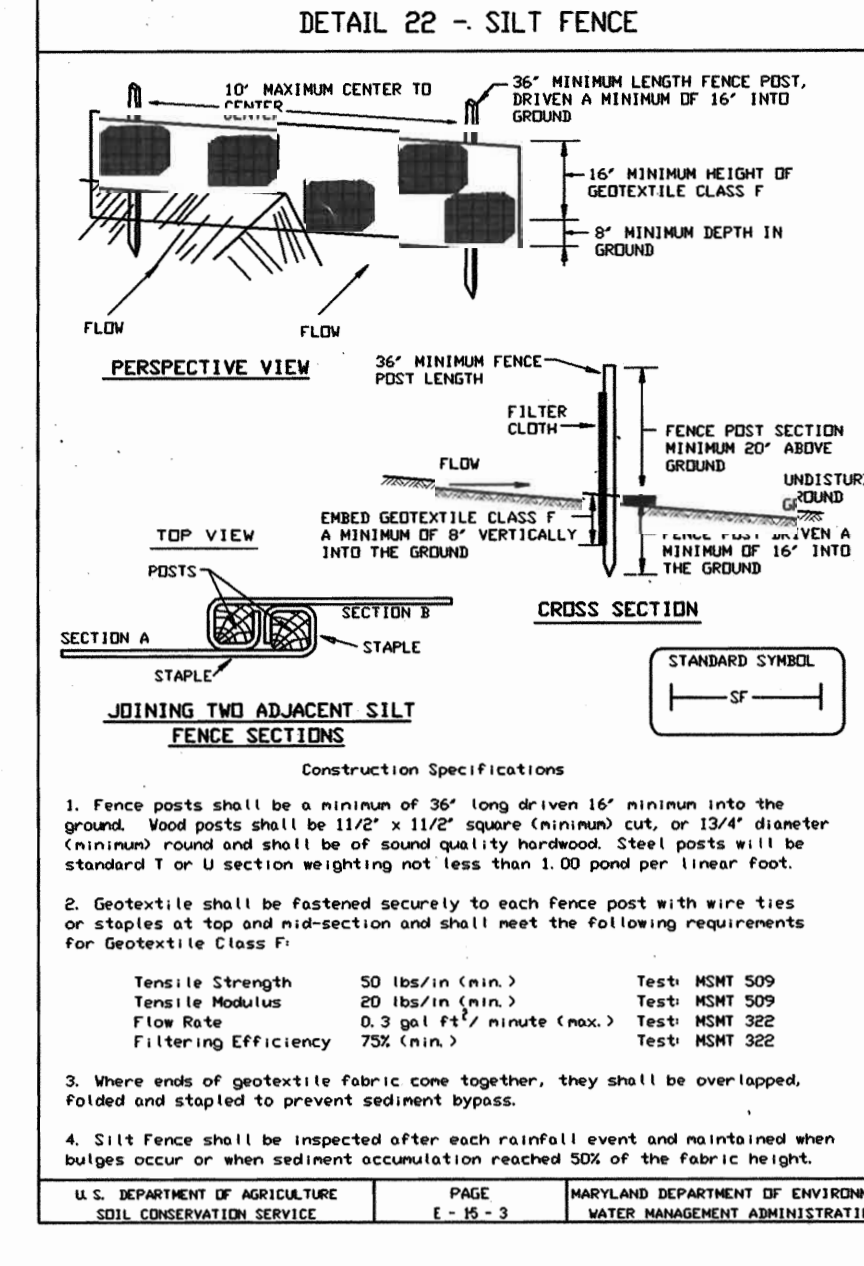
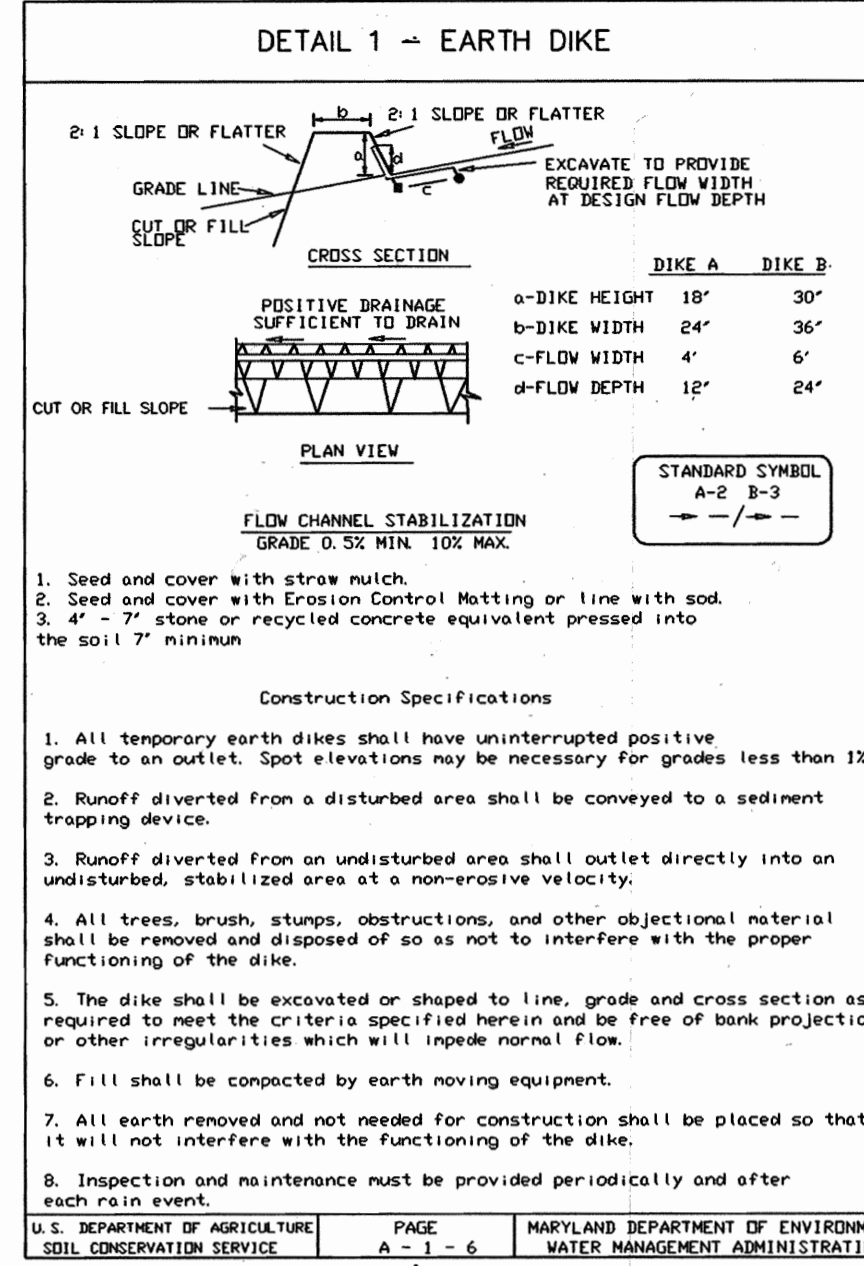
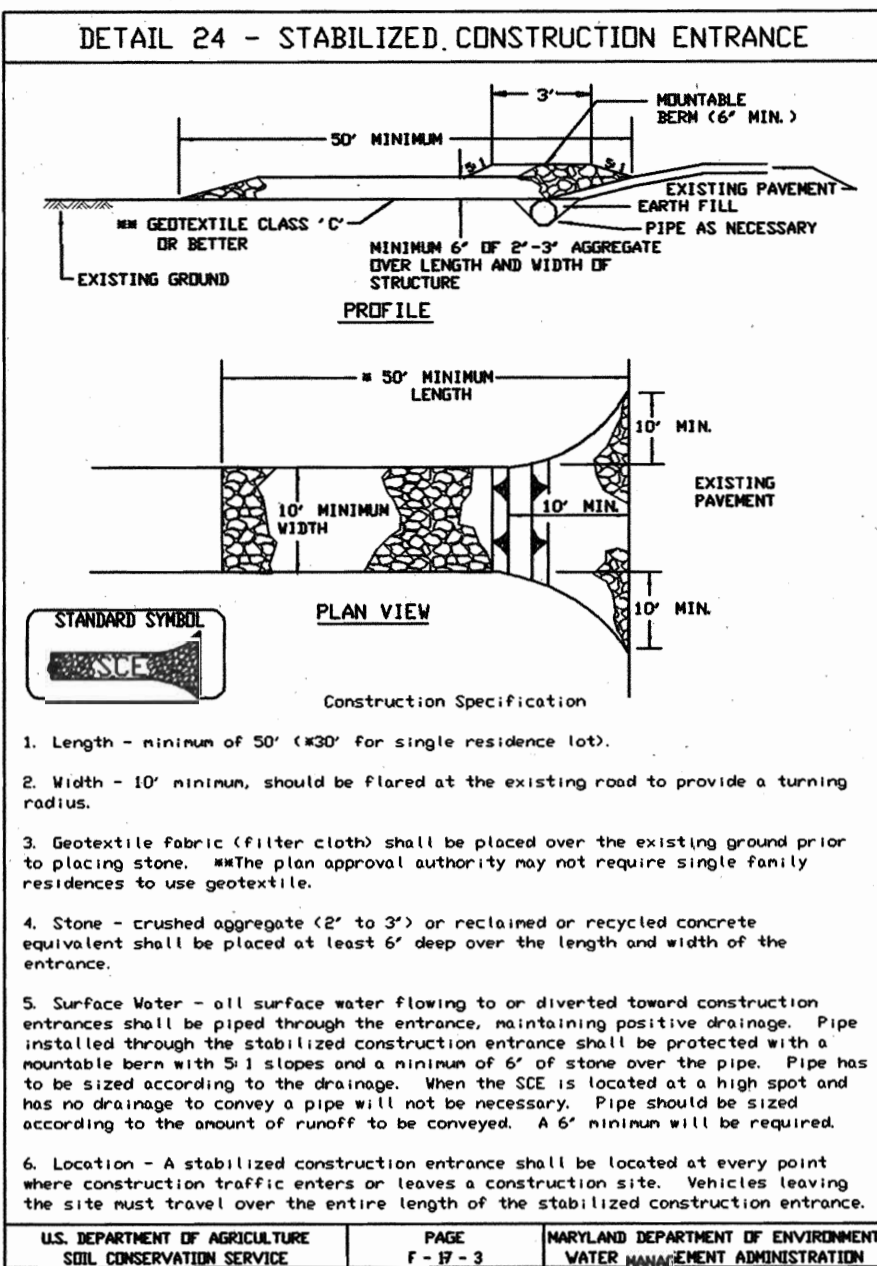
- Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless previously loosened).
- Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:
- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square feet) 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. At time of seeding, apply 400 lbs per acre 30-0-0 ureiform fertilizer (9 lbs/1000 sq ft).
  - Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square feet) and 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 (14 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 of 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, weed-free, 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 3 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**

- Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
- Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless 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 October 15, seed with 2-1/2 bushel per acre of annual rye (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 16 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, weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 3 ft or higher, use 348 gal 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.

**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:**
- Mulches - See standards for vegetative stabilization with mulches only, mulch should be crimped or tacked to prevent blowing.
  - Vegetative Cover - See standards for temporary vegetative cover.
  - Tillage - To roughen surface and bring clods to the surface. This is an emergency measure 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.
  - 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.
  - Barriers - Solid board fences, silt fences, snow fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angle to prevailing currents at intervals at about ten times their height are effective in controlling soil blowing.
  - Calcium Chloride - Apply at rates that will keep surface moist. May need treatment.
- Permanent Methods:**
- 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.
  - Topsoiling - Covering with less erosive soil material. See standards for top soil.
  - Stone - Cover surface with crushed stone or gravel.
- References:**
- Agriculture Handbook 346, Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
  - Agriculture Information Bulletin 354, How to Control Wind Erosion, USDA-ARS.



**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT AND ARRANGE FOR AN ON SITE MEETING. (1 DAY)
- INSTALL STONE CONSTRUCTION ENTRANCE, EARTH DIKE, SILT FENCE AND SUPER SILT FENCE AS SHOWN ON THESE PLANS. (2 DAYS)
- BEGIN ROUGH GRADING. (1 WEEK)
- CONSTRUCT HOUSE. (3 MONTHS)
- FINE GRADE SITE AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES AND REMOVE SEDIMENT CONTROL DEVICES WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR. (1 WEEK)
- INSTALL SIDEWALK AND DRIVEWAY. (1 WEEK)

**PLANT LIST FOR LOT 80**

SYMBOL	NAME (BOTANICAL/COMMON)	QTY	SIZE	COMMENTS
AR	ACER RUBRUM / OCTOBER GLORY / OCTOBER GLORY RED MAPLE	3	2 1/2-3' CAL	B + B
PS	PINUS STROBUS / EASTERN PINE	4	6-8' HT.	B + B

**ENGINEER'S CERTIFICATE**

I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*Carlton Gutschick, PE.* 1-6-03  
Date

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

I/We certify that all development and/or construction will be done in accordance to this plan and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Maryland 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 HSCD.

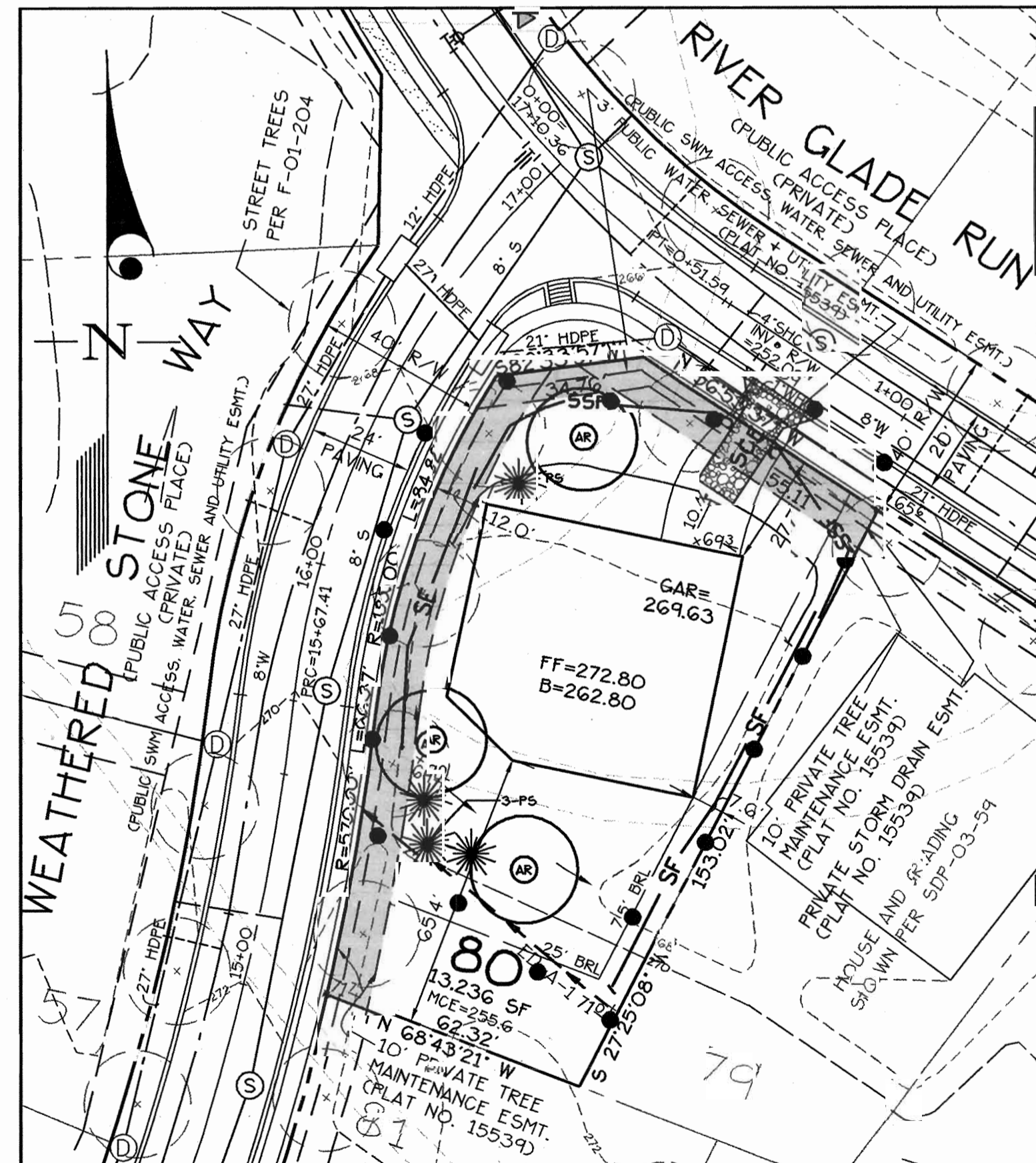
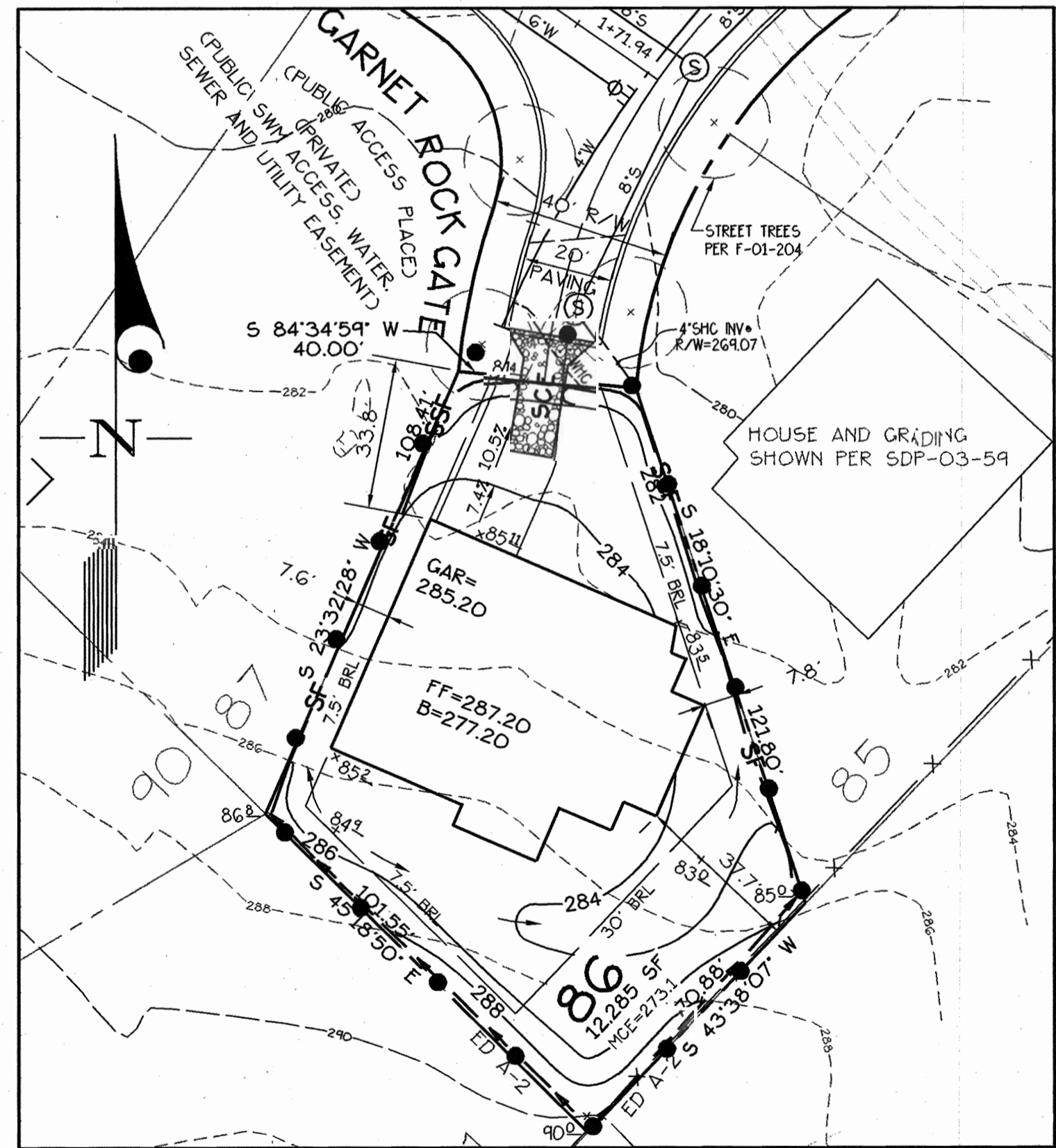
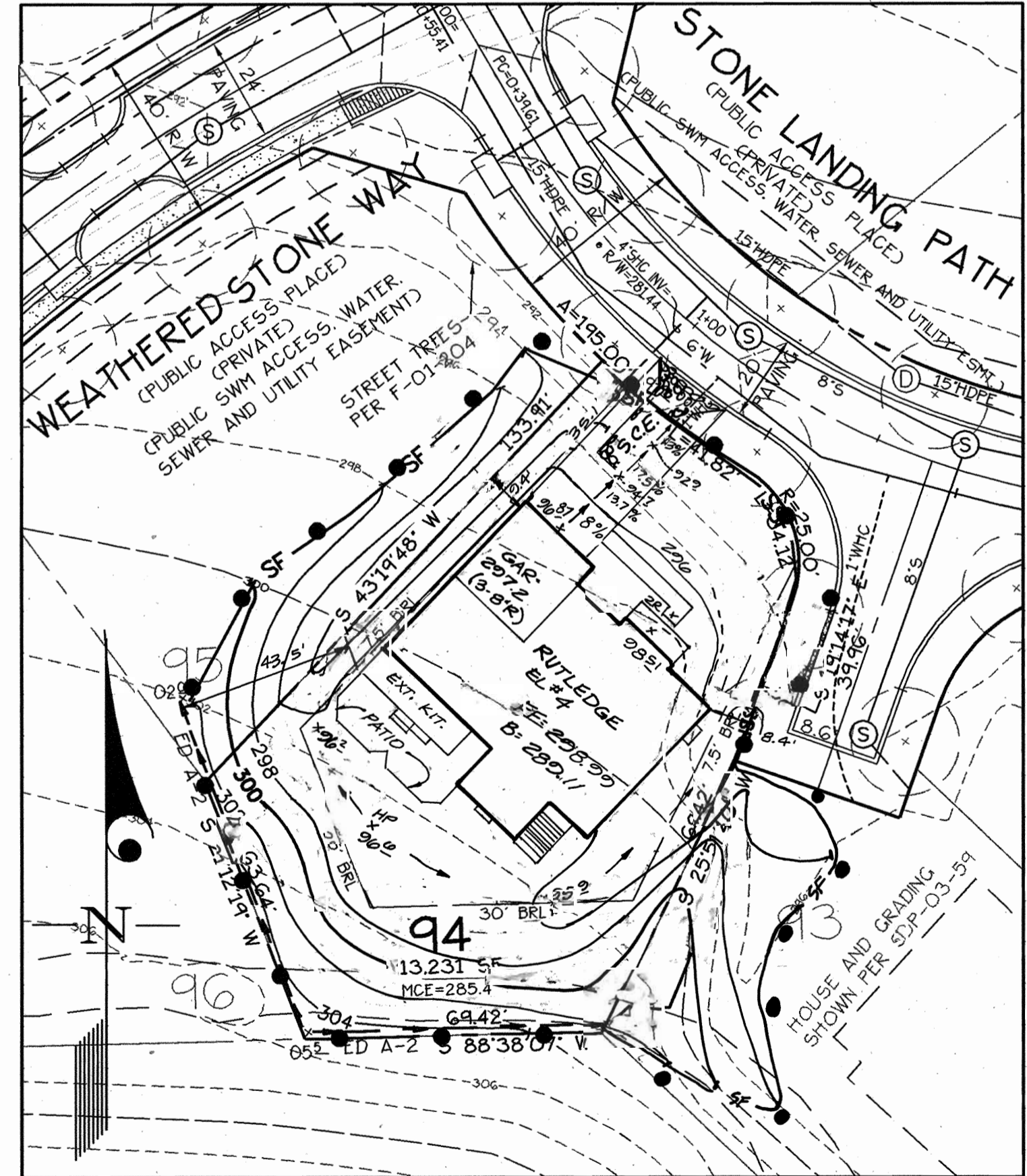
*Robert Corbett* 1/8/03  
Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

*Jim Mayes* 1/17/03  
Date

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

*John Minton* 1/17/03  
Date



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING

*Director* 1/28/03  
Date

*Chief, Division of Land Development* 1/28/03  
Date

*Chief, Development Engineering Division* 1/28/03  
Date

**GLWGUTSCHICK LITTLE & WEBER, P.A.**

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS

3909 NATIONAL DRIVE - SUITE 250 - BURTNSVILLE OFFICE PARK  
881 TRINITY, MARYLAND 20886

TEL: 301-421-4024 FAX: 301-989-2524

Drawings: 02119\DESIGN\02119SP3.dwg | DES: HKJ | DRN: HKJ | CHK: CKG

DATE	REVISION	BY	APPR.
05-28-04	LOT 84 - MINOR GRADING REVISION FOR FINAL GRADE CERTIFICATION	HKJ	
05-28-04	LOT 84 - REV. FF & GAR. ELEV. & SW. SLOPE FOR FINAL GRADE CERTIFICATION	HKJ	
03-19-04	LOT 84 - REVISE TO SHOW AS-BUILT CONDITIONS FOR GRADE CERTIFICATION	HKJ	

PREPARED FOR: WILLIAMSBURG GROUP, P.O. BOX 1018, COLUMBIA, MD 21044, 410-997-8800, MR. ROBERT CORBETT

**SITE, LANDSCAPE AND SEDIMENT CONTROL PLAN**

**STONE LAKE**  
LOTS 80, 86 AND 94  
PLAT NO. 15538 & 15539

ELECTION DISTRICT No. 6

SCALE: 1"=30'

ZONING: R-ED

G. L. W. FILE NO.: 02-119

DATE: JANUARY 2003

TAX MAP - GRID: 47 - 7

SHEET: 3 OF 3

HOWARD COUNTY, MARYLAND