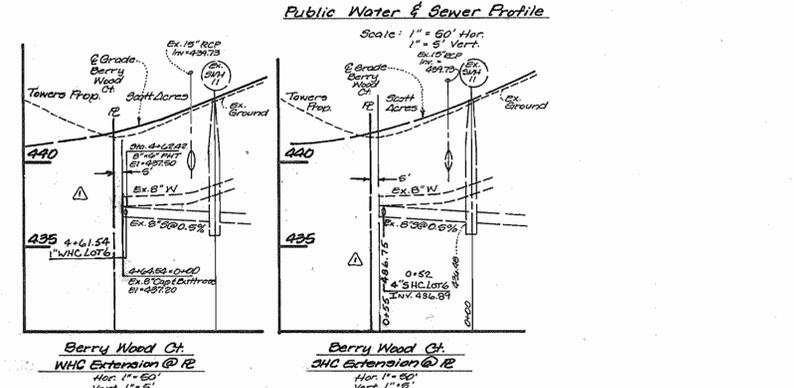
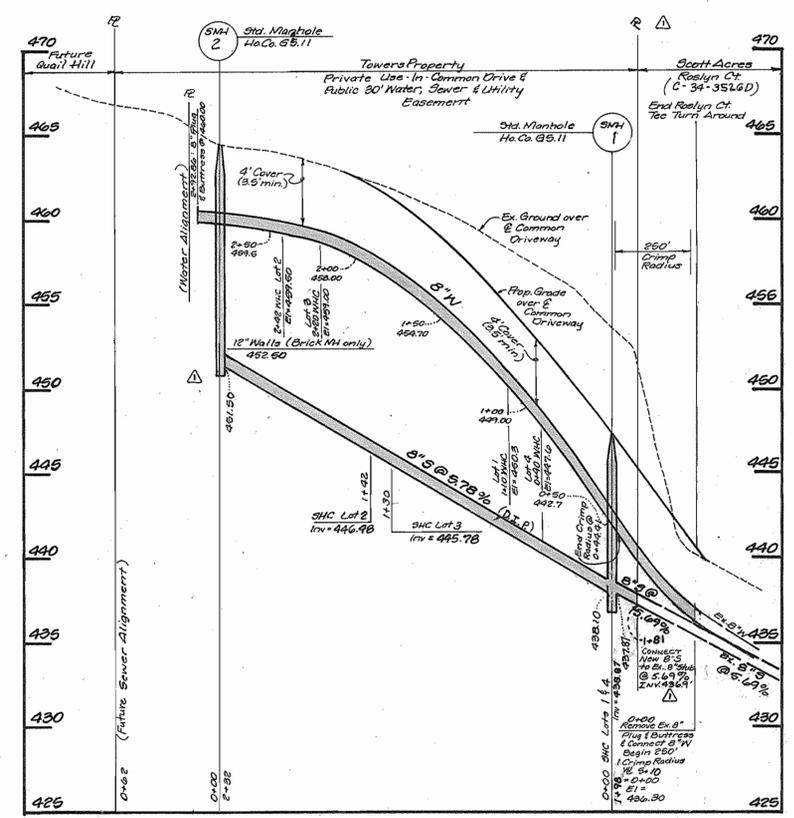
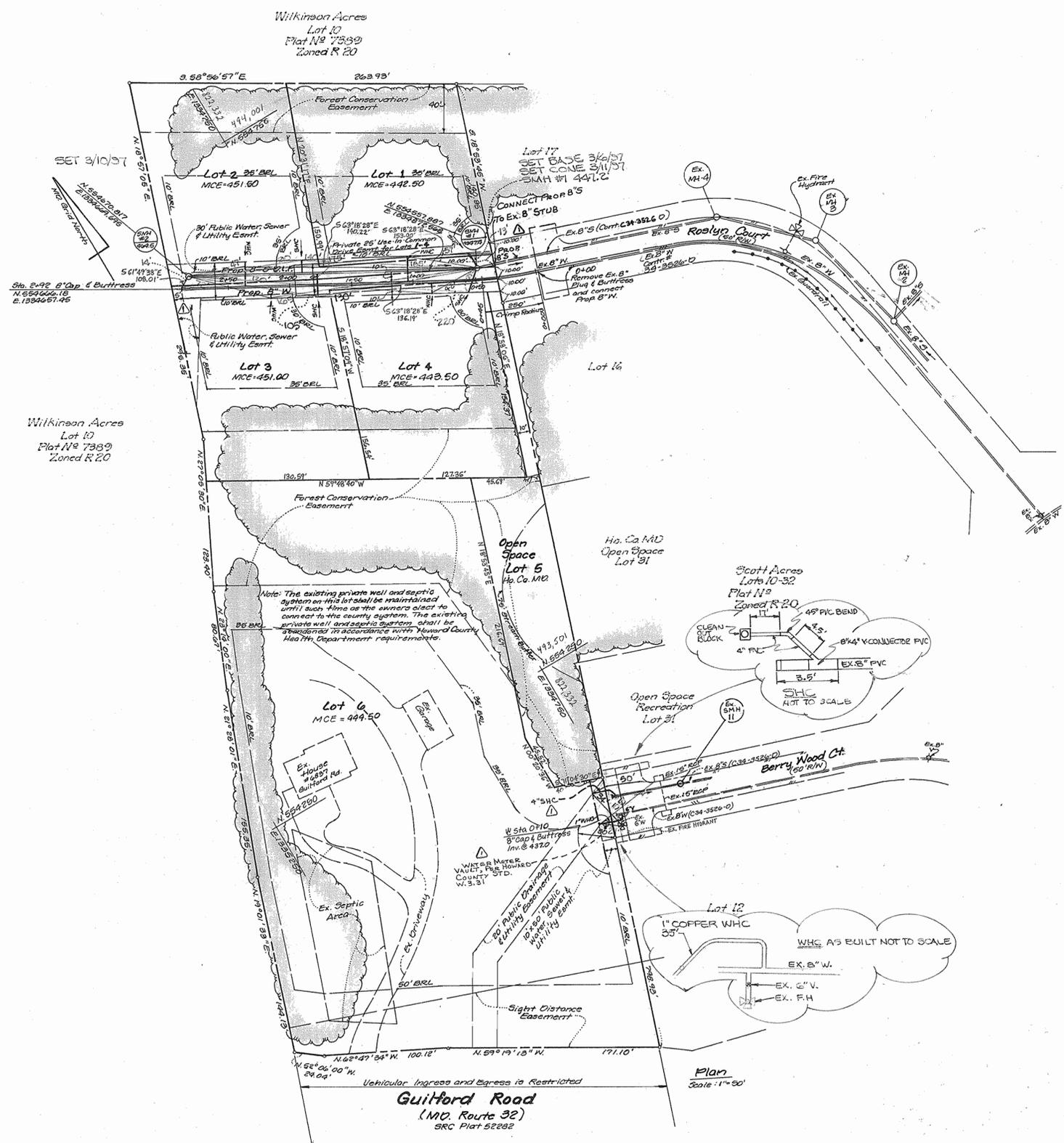
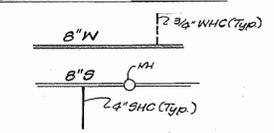


Sewer House Connection Table			
Lot #	Inv. @ Main	Inv. @ Entry	Min. C. E.
3	445.78	446.18	451.00
2	446.08	446.68	451.60
1	448.30	448.54	448.80
4	448.20	448.74	449.50
6	449.98	449.15	444.50

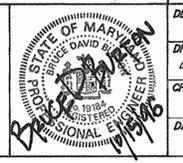
Water & Sewer House Connection Legend



DEPARTMENT OF PUBLIC WORKS
 Michael A. ...
 CHIEF - BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
 ...
 CHIEF - DEVELOPMENT ENGINEERING DIVISION

LDE, INC.
 9250 RUMSEY ROAD, SUITE 106
 COLUMBIA, MARYLAND 21045
 (410) 715-1070 (301) 596-3424



DESIGNED	LDE	DATE	BY	NO.	REVISION	DATE
S.H.		4-97				
DRAWN						
CHECKED						
DATE		7/96				

600 SCALE MAP NO. 35
 BLOCK 14

PROFILE & PLAN
 TOWERS PROPERTY
 A Resubdivision of "Wilkinson Acres" Lot 9
 Lots 1-6
 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 Contract No 34-3573-8
 SCALE As Shown
 SHEET 2 OF 3

HOWARD SOIL CONSERVATION DISTRICT
STANDARD SEDIMENT CONTROL NOTES

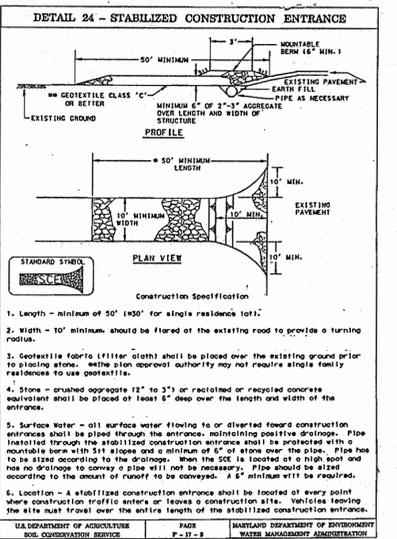
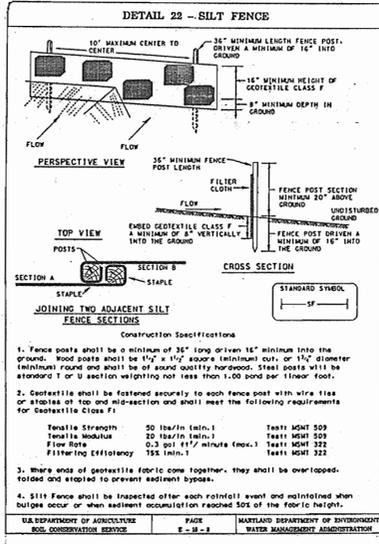
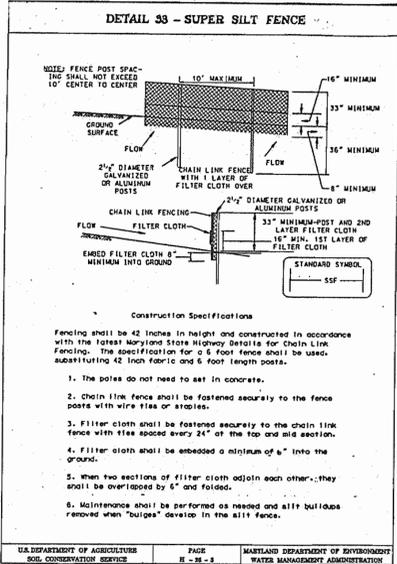
- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (11-13-1985).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current 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, 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 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 (Section D) for permanent seeding, FOR SOIL EROSION AND SEDIMENT CONTROL (Section D) for permanent seeding, sod, temporary seeding, and mulching. 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: 5.013 Acres
Area Disturbed: 0.424 Acres
Area to be roofed or paved: 0.77 Acres
Area to be vegetatively stabilized: 0.554 Acres
Total Cut: 0 Cu. Yds.
Offsite waste area location - 500 ft. Acres (GP-26-124, F-26-105)
- 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 Sediment Control Inspector.
- On all sites with an excavated area 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 three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

HOWARD SOIL CONSERVATION DISTRICT
PERMANENT SEEDING NOTES

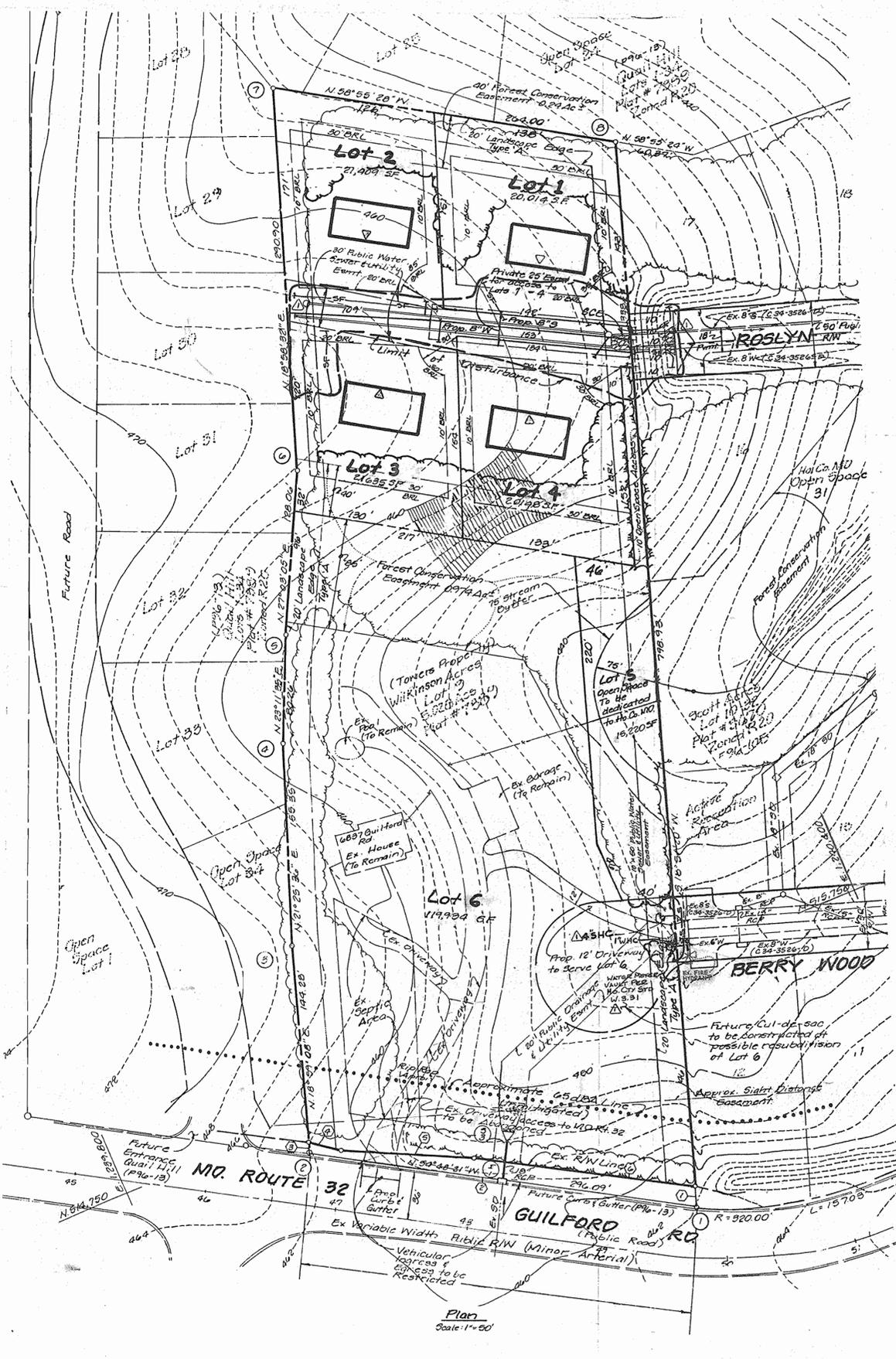
- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- SEEDBED PREPARATION:** Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS:** In lieu of soil test recommendations, use one of the following schedules:
- PREFERRED** --- Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq. ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (8 lbs/1000sq. ft.).
 - ACCEPTABLE** --- Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq. ft.) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000sq. ft.) before seeding. Harrow or disk 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/1000sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs per acre (1.4 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue and 2 lbs. per acre (.05 lbs/1000sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) - 2 tons per acre of well mulch and seed as soon as possible in the spring. Option (2) - Use sod. Option (3) - Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch 2 tons / acre well anchored straw.
- MULCHING** --- Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000sq. ft.) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq. ft.) for anchoring.
- MAINTENANCE** --- Inspect all seeding areas and make needed repairs, replacements and reseeding.

HOWARD SOIL CONSERVATION DISTRICT
TEMPORARY SEEDING NOTES

- Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.
- SEEDBED PREPARATION:** --- Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS:** --- Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000sq. ft.).
- SEEDING** --- For periods March 1 thru April 30, and from August 15 thru October 15 seed with 2-12 bushels per acre of annual ryegrass (3.2 lbs/1000sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs/1000sq. 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/1000sq. ft.) of unrattled weed free small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq. ft.) for anchoring.
- Refer to the 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.



- SEQUENCE OF CONSTRUCTION**
- Obtain grading permit. 1 DAY
 - Notify the Howard County Department of Inspections, Licenses, and Permits at least 48 hours prior to starting construction. 1 DAY
 - Install Forest Protection Measures around Forest Conservation Easements. 1 DAY
 - Clear and grub for sediment control devices. 1 DAY
 - Install sediment control devices. 1 DAY
 - Clear and grub remainder of work area. 1 DAY
 - Grade site as per approved grading plan. 1 DAY
 - Stabilize all areas not to be roofed or paved in accordance with the temporary seeding notes. 1 DAY
 - Install water and sewer mains. 2 DAYS
 - File grade for and construct private use-in-common driveway. 2 DAYS
 - Stabilize all areas in accordance with the permanent seeding notes. 1 DAY
 - With the permission of the sediment control inspector remove the sediment control devices and stabilize any remaining disturbed areas. 1 DAY



ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THE SOIL EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITES AND CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
BRUCE D. BOSTON 10/15/96
SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC VISITS INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.
John P. ... 10/15/96
SIGNATURE OF DEVELOPER DATE

Reviewed For Howard Soil Conservation District and Meet Technical Requirements.
John P. ... 10/30/96
Signature Date
Natural Resources Conservation Services

This Development Plan is Approved for Soil Erosion and Sediment Control by the Howard County Soil Conservation District.
John P. ... 10/30/96
Signature Date
Howard Soil Conservation District

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATION PLAN.

DESIGNED SDH	LDE	ELIMINATE 10' PUBLIC USE EXTENSION AT END OF BERRYWOOD CT; ELIMINATE 30'x30'x2' 8" STP FROM S.M.H.#2	4-97	Sediment Control Plan TOWERS PROPERTY A Resubdivision of "Wilkinson Acres" Lot 9 LOTS 1 - 6 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND Contract No. 34-3573-D	SCALE AS SHOWN
DRAWN BEI					SHEET
CHECKED GDB					3 of 3
DATE 5-9-96	BY NO.	REVISION	DATE		600 SCALE MAP NO. 35 BLOCK 14
DEPARTMENT OF PUBLIC WORKS	DEPARTMENT OF PLANNING & ZONING	LDE, INC. 9250 RUMSEY ROAD, SUITE 106 COLUMBIA, MARYLAND 21045 (410) 715-1070 (301) 596-3424			