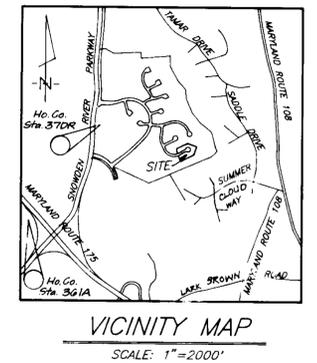


ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
170	G349 BURNT MOUNTAIN PATH
171	G353 BURNT MOUNTAIN PATH
172	G357 BURNT MOUNTAIN PATH
173	G361 BURNT MOUNTAIN PATH
174	G365 BURNT MOUNTAIN PATH
175	G369 BURNT MOUNTAIN PATH
176	G373 BURNT MOUNTAIN PATH
177	G377 BURNT MOUNTAIN PATH
178	G381 BURNT MOUNTAIN PATH
179	G385 BURNT MOUNTAIN PATH
180	G389 BURNT MOUNTAIN PATH
181	G393 BURNT MOUNTAIN PATH
182	G397 BURNT MOUNTAIN PATH
183	G401 BURNT MOUNTAIN PATH



GENERAL NOTES:

- Subject property is zoned: NT-SFMD per 10-18-93 Comprehensive Zoning Plan.
- The total area included in this submission is: 3.56 Acres
- The total number of lots included in this submission is: 14
- Improvement to property: Single Family Detached
- The maximum lot coverage permitted is: 30%
- Department of Planning and Zoning reference file numbers S-03-16, F-00-53, F-04-16, F-05-25, FDP Phase 216
- Utilities shown as existing are taken from approved Water and Sewer plans Contract # 24-3355-D, approved Road Construction plans F-05-25, and actual field survey.
- 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-05-25 prepared by Clark, Fiertrak & Sackett, Inc.
- 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: 37CR and 361A.
- 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-603 and R-605.
- In accordance with FDP Phase 216 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 3 feet into the front or rear setbacks.
- Stormwater Management is provided per: F-05-25
- Contractor must verify SHC elevation at property line prior to construction on Lots 174-178.

SPECIAL NOTES:

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road Construction Plans F-05-25 and/or approved Water and Sewer Plans Contract # 24-3355-D.

BENCHMARKS

Howard County Control Stations:
 -37CR - E1.380.40 - N557351.8541
 E136685.410
 Stamped Concrete Monument
 -361A - E1.400.80 - N558136.4681
 E136855.195
 Stamped Concrete Monument

SHEET INDEX

Site Development Plan Sheet 1
 Sediment & Erosion Control Plan Sheet 2 of 3

OWNER

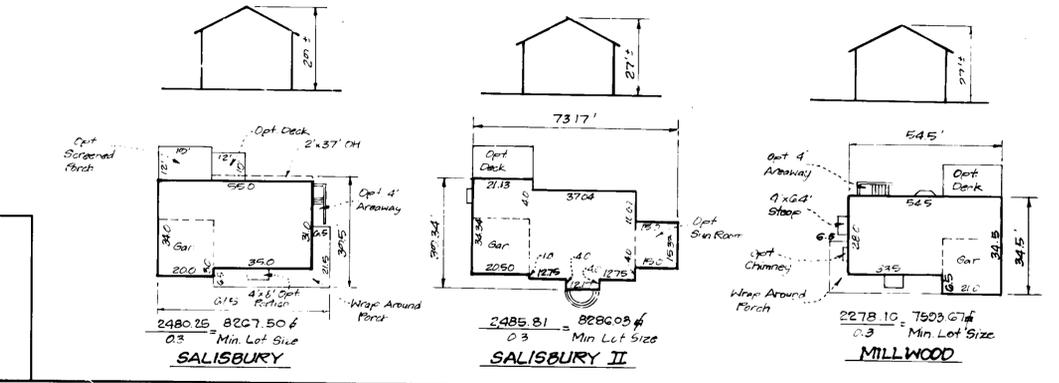
THE HOWARD RESEARCH AND DEVELOPMENT COMPANY
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief Development Engineering Division M.K. *2/1/96* Date

Division of Land Development and Research J.P. *2/15/96* Date

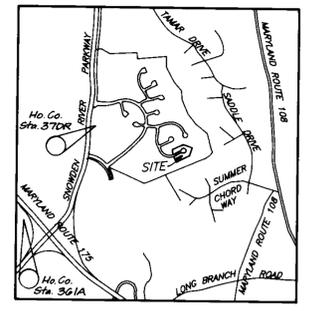
Director *2/15/96* Date



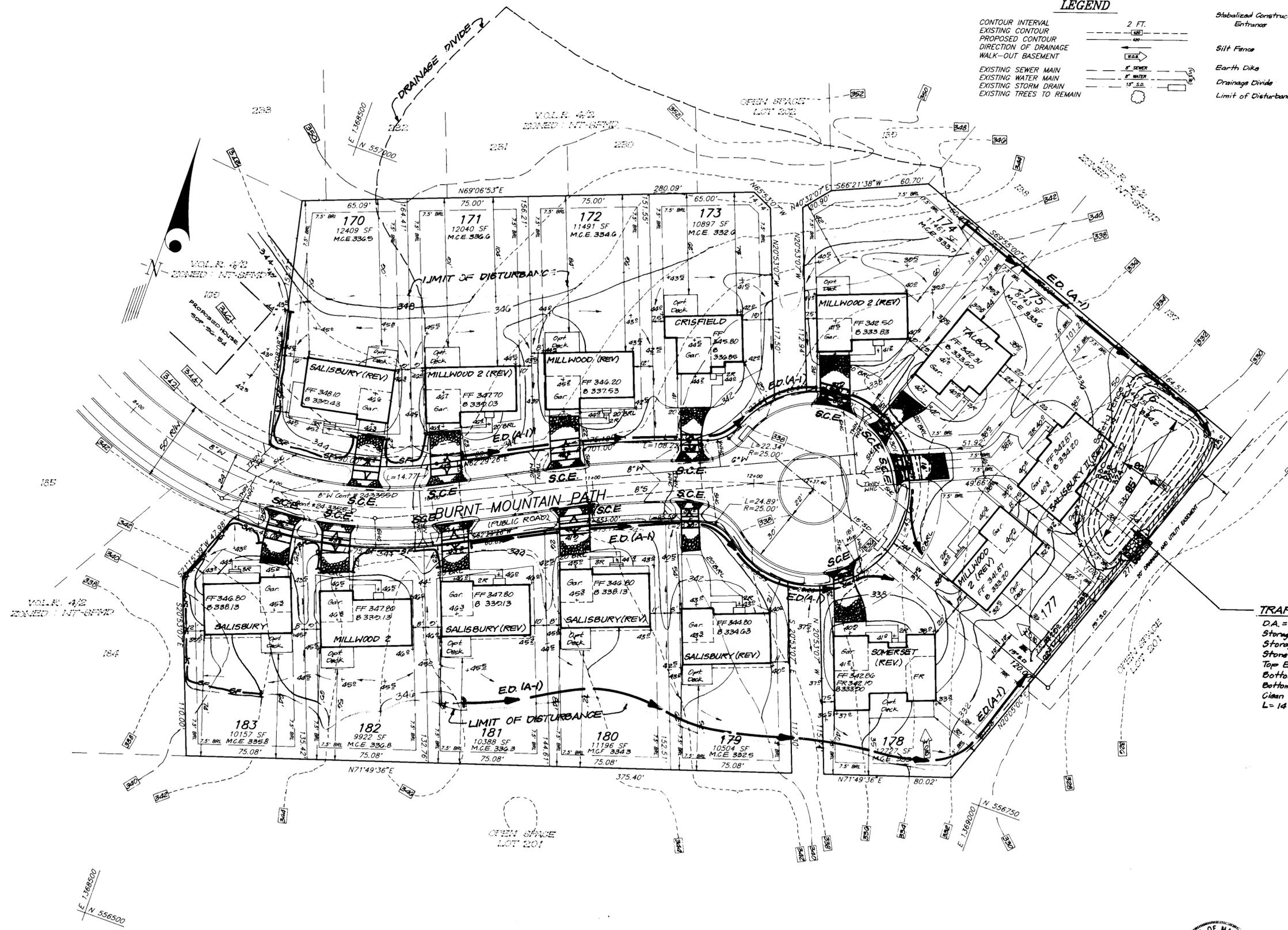
2	Rev. grad. (lower base) lot 77	11/19/96
1	Rev. hse. & grad. lot 170	10/8/96
1	NO	DATE

LEGEND

- CONTOUR INTERVAL 2 FT.
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF DRAINAGE
- WALK-OUT BASEMENT
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING STORM DRAIN
- EXISTING TREES TO REMAIN
- Stabilized Construction Entrance
- Silt Fence
- Earth Dike
- Drainage Divide
- Limit of Disturbance



VICINITY MAP
SCALE: 1"=2000'



TRAP No. 1 S.O.S.T. ST II
 D.A. = 3.30 Ac.
 Storage Required = 3.3 x 3600 = 11,880 cf
 Storage Provided = 12,040 cf
 Stone Crest El. = 328.0
 Top El. = 320.0
 Bottom El. = 324.0
 Bottom Dimensions = 85' x 20' x 4' Deep
 Clean Out El. = 324.0
 L = 14'

OWNER
 THE HOWARD RESEARCH AND DEVELOPMENT COMPANY
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044

NO.	REVISION	DATE
1	EXISTING TO REVISED LOT TO PARIAL FIELD PLAN	12-18-95

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 2/2/96
 Chief, Development Engineering Division M.K.
 Date

[Signature] 2/5/96
 Chief, Division of Land Development and Research JA
 Date

[Signature] 2/5/96
 Director
 Date

Reviewed for HOWARD S.C.D.
 and meets Technical Requirements
[Signature] 1/31/96
 Signature
 U.S. Natural Resources Conservation Service

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

[Signature]
 HARRY A. BOWIE
 DATE 11-27-95

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

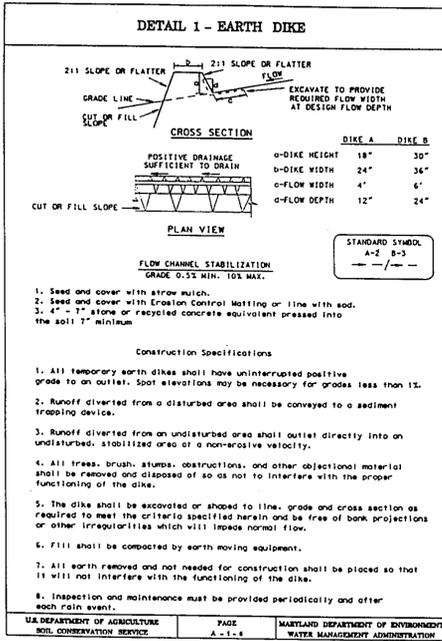
[Signature]
 G. NELSON CLARK
 DATE 11-28-95



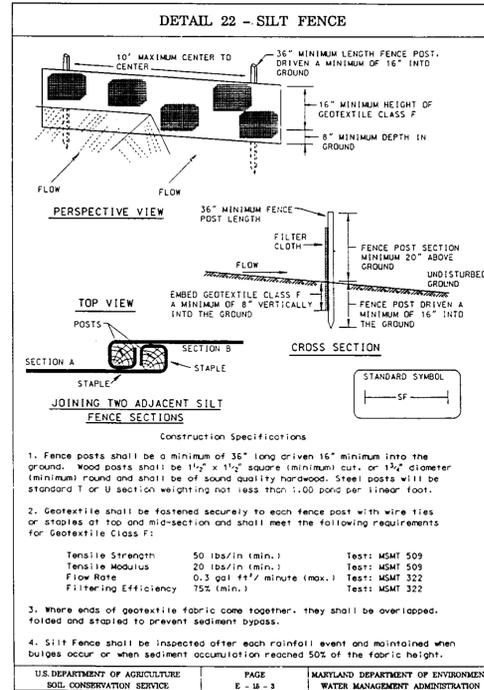
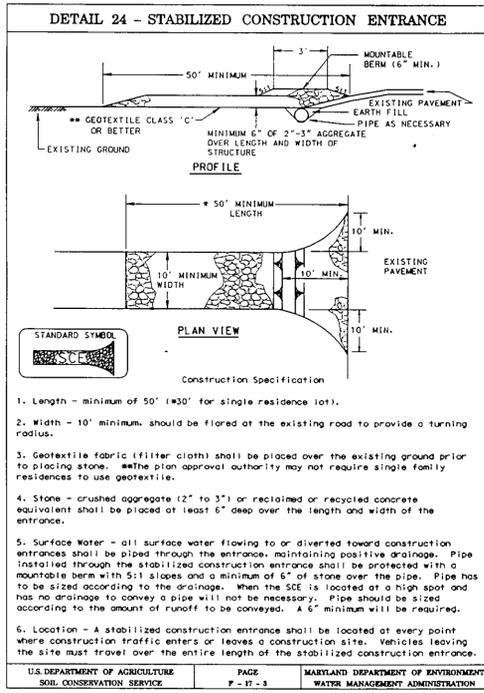
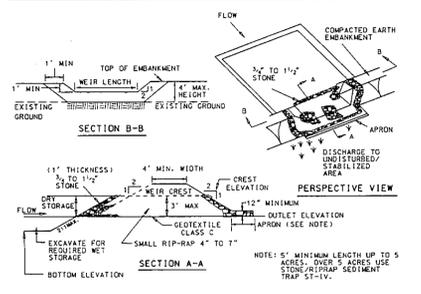
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MISTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED DAB	SEDIMENT AND EROSION CONTROL PLAN LOTS 170-183 COLUMBIA VILLAGE OF LONGREACH SECTION 4 AREA 2 SIXTH (6th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN FS		DRAWING 2 of 3
CHECKED KAB		JOB NO. 05-108
DATE 1-28-95		FILE NO. 05-108-6E

FOR: NEW HOMES
 8991 BROKEN LAND PARKWAY, SUITE 401
 COLUMBIA, MARYLAND 21046



DETAIL 9 - STONE OUTLET SEDIMENT TRAP - ST II



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./100 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform 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.

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

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

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

TEMPORARY SEEDING NOTES

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

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

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual 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 1 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

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

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEDIMENT AND EROSION CONTROL NOTES

1. 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. (313-1855).
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
3. 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.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above, in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6. 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.
7. **SITE ANALYSIS:**

Total Area of Site:	3.56 AC
Area Disturbed:	3.15 AC
Area to be roofed or paved:	0.95 AC
Area to be vegetatively stabilized:	2.20 AC
Total Cut:	3900 CY
Total Fill:	6200 CY
Offsite Waste/Borrow Area Location:	2
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. The total amount of silt fence = **480 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 it's grading permit number at the time of construction.

CONSTRUCTION SEQUENCE:

	NO. OF DAYS
1. Obtain grading permit.	7
2. Install tree protection fence.	N/A
3. Install sediment and erosion control devices and stabilize.	14
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 Stds. and Specs.	14
7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	5

NOTE: Delay Construction of house on Lot 176 until permission is received from Sediment Control Inspector allowing trap to be filled in.

OWNER
THE HOWARD RESEARCH AND DEVELOPMENT COMPANY
10275 Little Patuxent Parkway
Columbia, Maryland 21044



Reviewed for HOWARD S.C.D. and meets Technical Requirements
Signature: [Signature] Date: 11/31/96
Natural Resources Conservation Service

DEVELOPER'S/BUILDER'S CERTIFICATE
I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

Signature: Harry A. Boyvie Date: 11-27-95

ENGINEER'S CERTIFICATE
I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Signature: G. Nelson Clark Date: 11-28-95

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Signature: [Signature] Date: 2/16/96
Chief, Development Engineering Division M.R.
Signature: [Signature] Date: 2/15/96
Chief, Division of Land Development and Research
Signature: [Signature] Date: 2/15/96
Director

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Signature: [Signature] Date: 1/31/96
Approved

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

DESIGNED D.A.B.	SEDIMENT AND EROSION CONTROL DETAILS LOTS 170-183 COLUMBIA VILLAGE OF LONGREACH SECTION 4 AREA 2 SIXTH (6th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN F.S.		DRAWING 3 of 3
CHECKED R.A.B.		JOB NO. 05-108
DATE 1-28-95		FILE NO. 05-108-5E

FOR: NU HOMES
5891 BROKEN LAND PARKWAY, SUITE 401
COLUMBIA, MARYLAND 21046

Stamp: 910-69