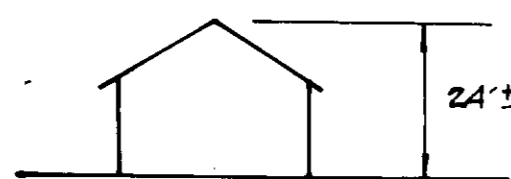


GENERAL NOTES:

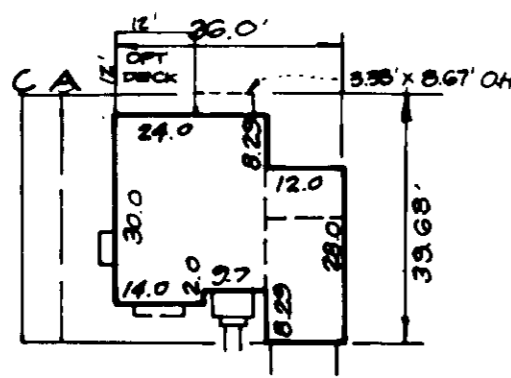
- Subject property is zoned: NT-SFMD per 10-18-93 Comprehensive Zoning Plan, FDP Phase 100 Part II.
- The total area included in this submission is: 3.80 Ac.
- The total number of lots included in this submission are: 23
- Improvement to property: Single family detached
- The maximum lot coverage permitted is: 30%
- Department of Planning and Zoning reference file numbers are: 201-03, P22-15, F-22-80
- Utilities shown as existing are taken from approved water and sewer plan Contract #34-2009-D, approved road construction plans F-22-80, and actual field survey.
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- Storm water management or detention facilities, created by the developer, shall be approved by the Department of Public Works.
- All roadways are public and existing.
- The existing topography shown was taken from road construction plans F-22-80 prepared by Fisher, Collins & Carter, Inc.
- The coordinates shown herein are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos.: 247003 & 237001
- The contractor shall notify the Department of Public Works/Bureau of Construction Inspection a (10) 315-1870 at least five (5) working days 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.
- Cornices and Eaves may project into the setback areas not more than three (3) feet. Bay Windows, Oriel Verandahs, Balconies or Chimneys, which are not more than ten (10) feet in width, may project not more than four (4) feet into setback areas. Porches, Decks, open or enclosed, may not project more than three (3) feet into the front or rear setback area.
- For Driveway Entrance details refer to Howard County Design Manual Volume IX Std. Details; R-G.01 R-G.03 and R-G.05.

SPECIAL NOTES:

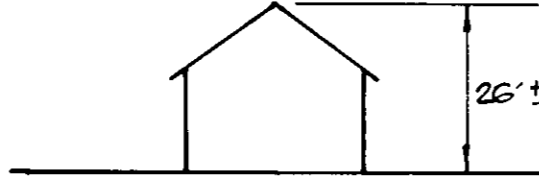
This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road Construction Plans F-22-80 and/or approved Water and Sewer Plans Contract #34-2009-D. Sewer House Connection invert elevations are taken to the property line.



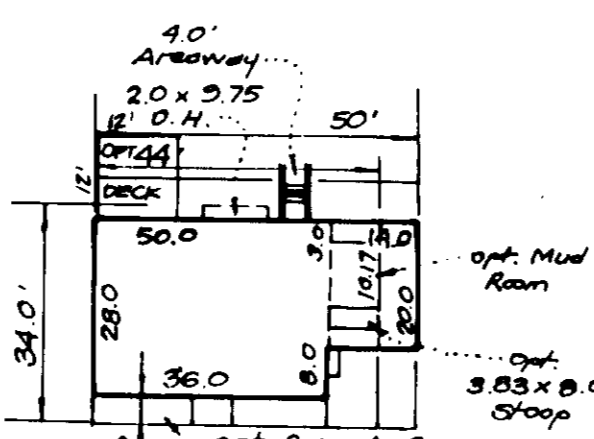
BELMONT



1099
0.3 = 3463.55 # Min. Lot Size

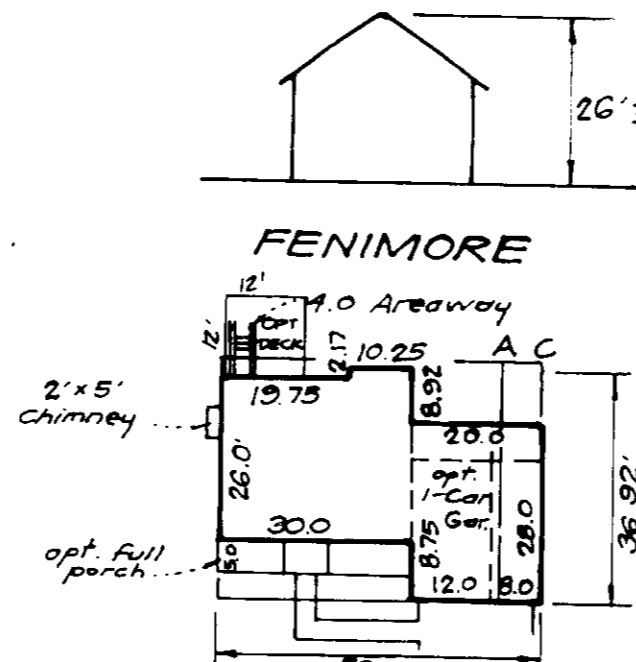


ELLCOTT

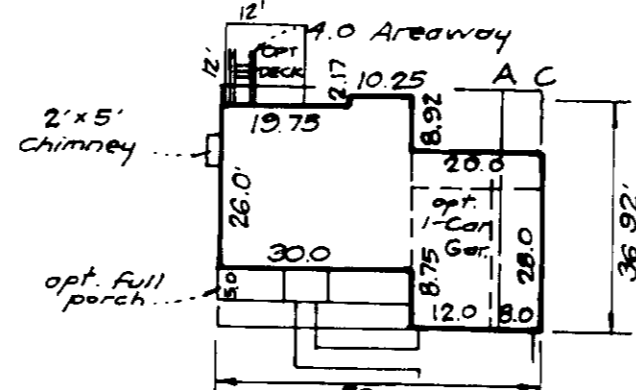


1576
0.3 = 5553 # Min. Lot Size w/ Car and Full porch

1305.36
0.3 = 4351.2 # Min. Lot Size w/ opt. Mud Room and Full porch

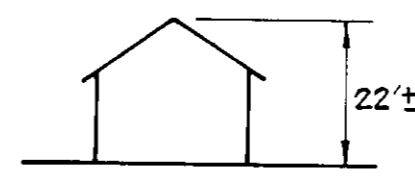


FENIMORE

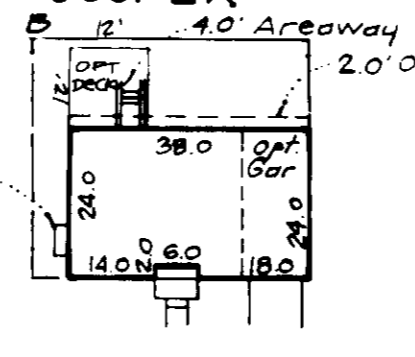


1612.24
0.3 = 5574.15 # Min. Lot Size w/ 1/2 Car Gar. & Porch

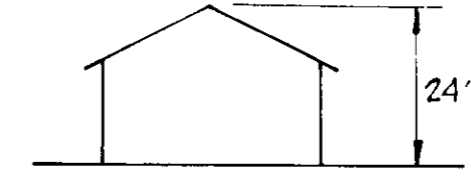
1372.24
0.3 = 4574.15 # Min. Lot Size w/ 1 Car Gar. & Porch



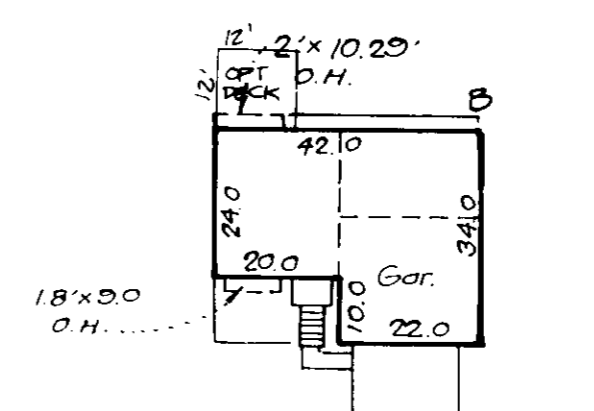
COOPER



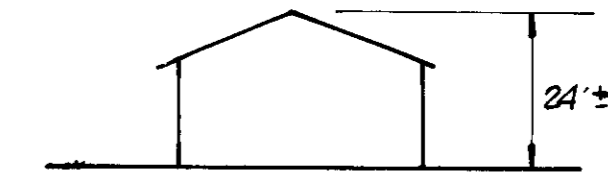
1064
0.3 = 3544.4 # Min. Lot Size



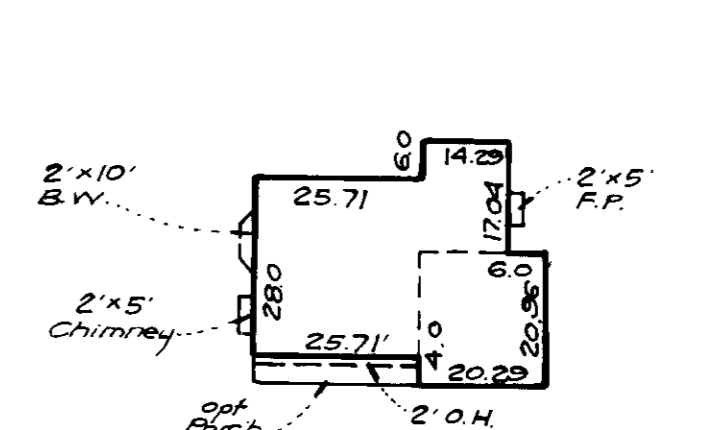
WHITMAN



1348.78
0.5 = 4495.9 # Min. Lot Size



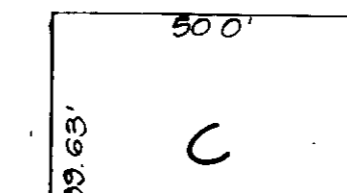
ENTERPRISE



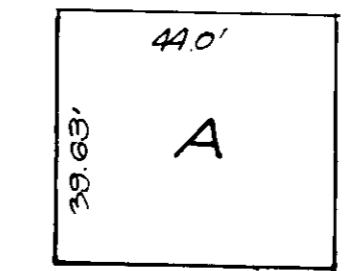
1491.5
0.3 = 4971.67 # Min. Lot Size

TYPICAL HOUSES

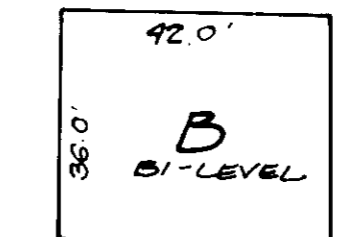
Scale: 1" = 30'
All units have 1' roof eaves front and rear.



FENIMORE w/ 1/2 Car Garage
ELLCOTT w/ Garage
BELMONT



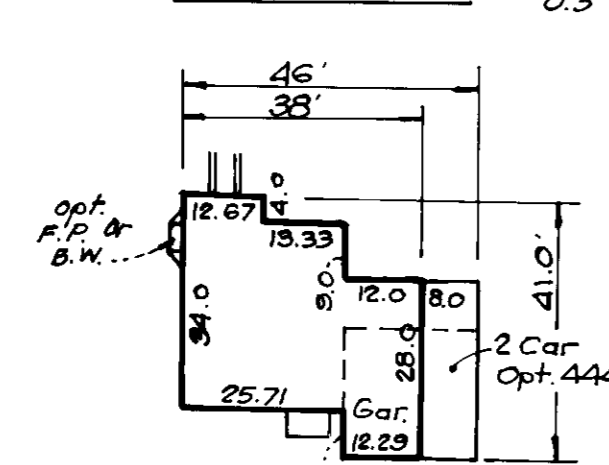
ELLCOTT w/ Mud Room
FENIMORE w/ 1 Car Gar.
BELMONT



WHITMAN
COOPER

LOT NUMBER	STREET ADDRESS
207	6420 Gratefull Heart Gate
208	6433
209	6437
210	6441
211	6440
212	6436
213	6430
214	6428
215	6424

MANSFIELD

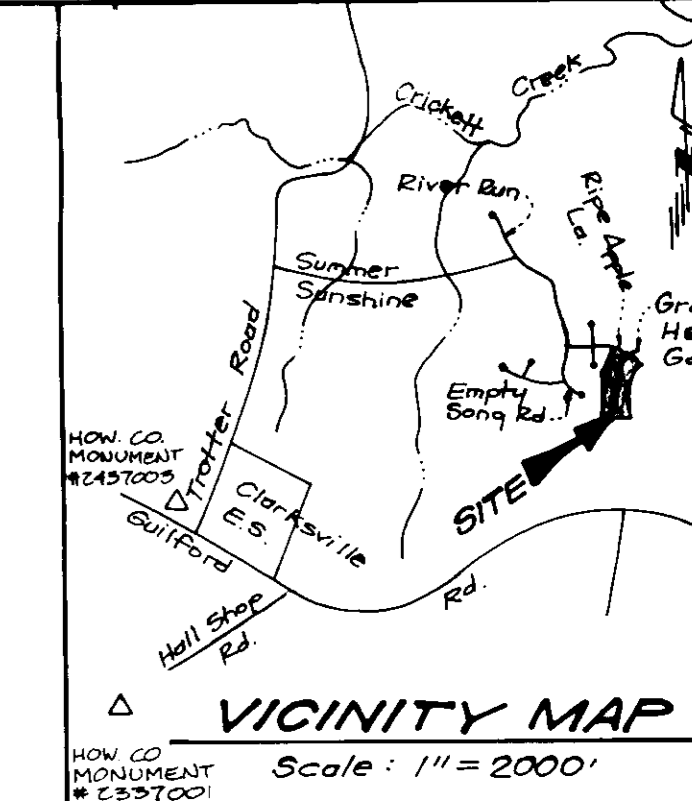


1392
0.3 = 4640 # Min. Lot Size

ADDISON

1463
0.3 = 4876.67 # Min. Lot Size

LOT #	GRASS AREA	PIPED AREA	REMAINING AREA	100 YEAR WOODPLAN	SEE SLOPED	MINIMUM LOT SIZE
212	10,800 #	1,287 #	9,513 #	N/A	N/A	9,534 #
213	8,760 #	652 #	8,108 #	N/A	N/A	8,107 #



LEGEND

- Contour Interval: 2 Ft
- Existing Contour: --- (40) ---
- Proposed Contour: --- (10) ---
- Spot Elevation: 110.5
- Direction of Drainage: --->---
- Existing Trees to be saved: (Tree symbol)
- Tree Protection Fence: (Fence symbol)
- Walk-out Basement: (WOB symbol)

NO.	REVISIONS	DATE
5	Rev. hse. & grad. lot 211 from Mansfield to Enterprise	6-6-95
4	Rev. hse. & grad. lot 207	10-20-94
3	Rev. hse. & grad. lot 207	8-16-94
2	Rev. hse. & grad. lot 214, Add. hse. typicals	8-8-94
1	Rev. hse. & grad. lots 210-212 & 214, Add. hse. typicals	6-20-94
N/S	REVISIONS	DATE

SHEET INDEX			
Sheets 1 & 2	SITE DEVELOPMENT PLAN		
Sheets 3, 4, 15	SEDIMENT & EROSION CONTROL PLAN		

OWNER / DEVELOPER
THE HOWARD RESEARCH AND DEVELOPMENT CORP
10275 Little Patuxent Pkwy
Columbia, Md. 21044

SUBMISSION NAME	COLUMBIA	SECTION/AREA	2/2	LOTS/PARCELS	200-222
PLAT NO.	10942	BLOCK NO.	21	ZONE	NT SF, LD
TAX MAP NO.	35	ELECTION DIST.	574	CENSUS TRACT	6055
WATER CODE	I-12	SEWER CODE	6452500		

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

 DATE: 1/26/94

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

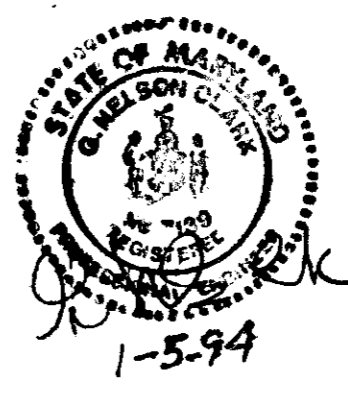
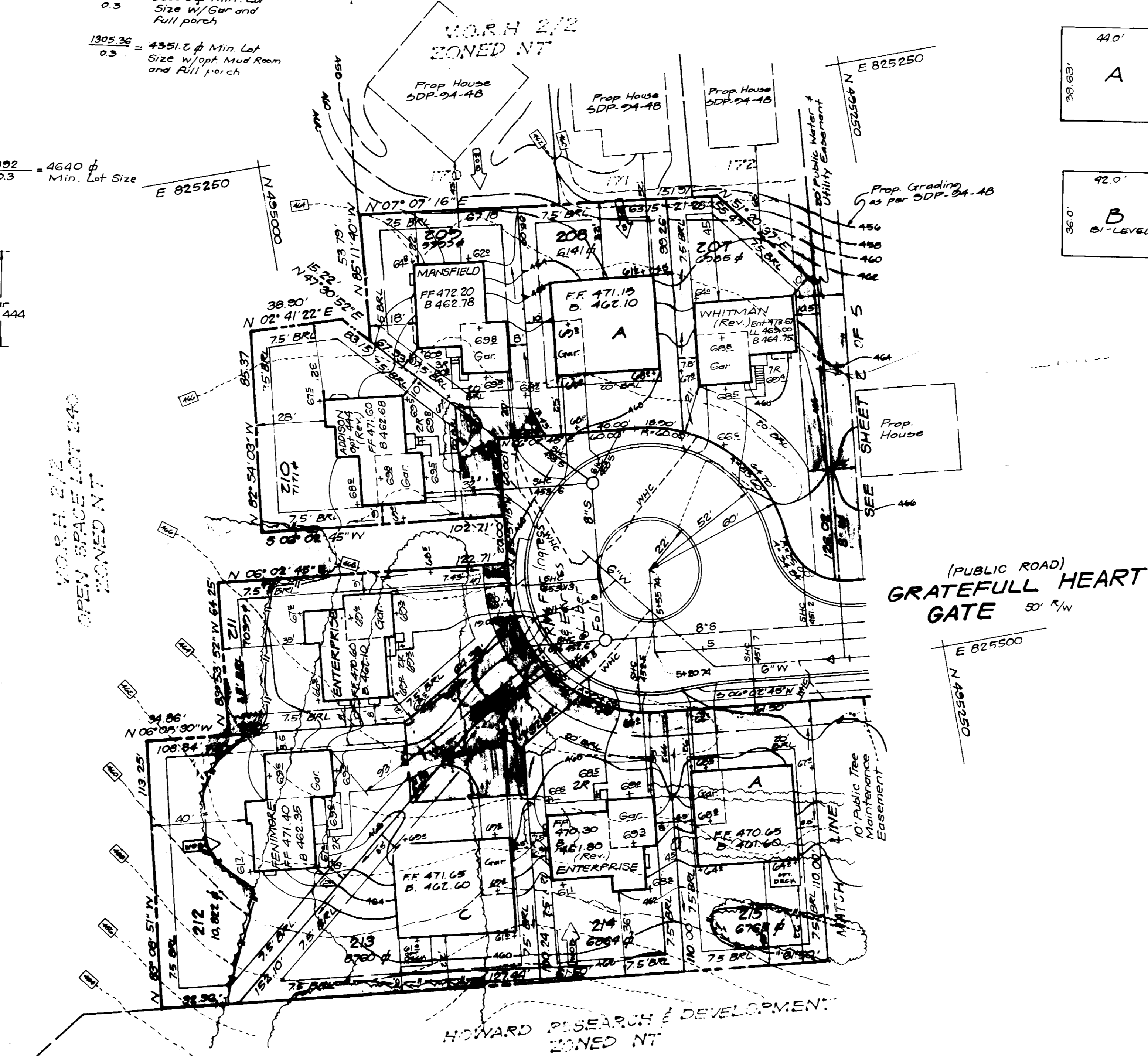
 DATE: 2/1/94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

 DATE: 1/19/94

APPROVED:

 DATE: 1/18/94

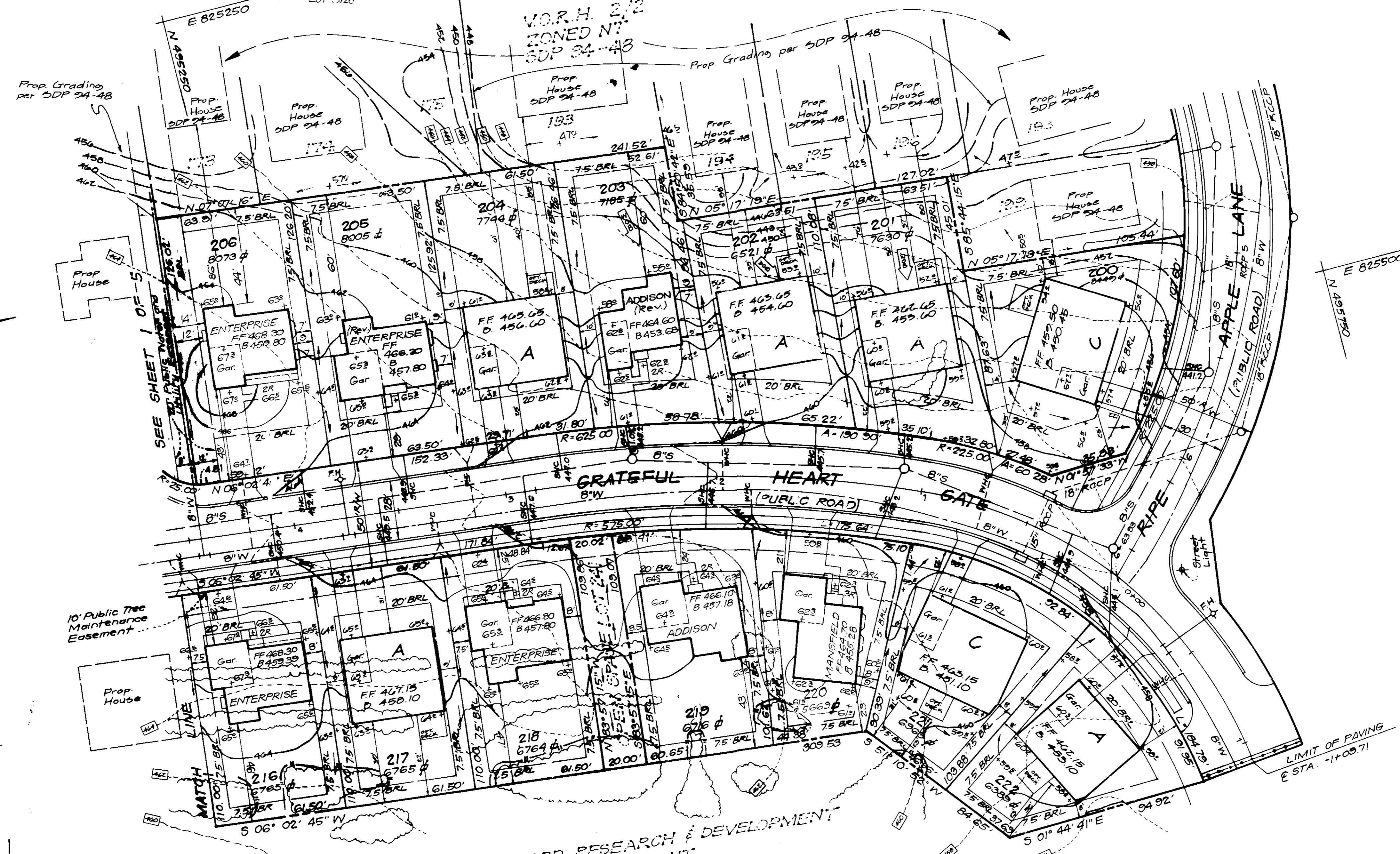
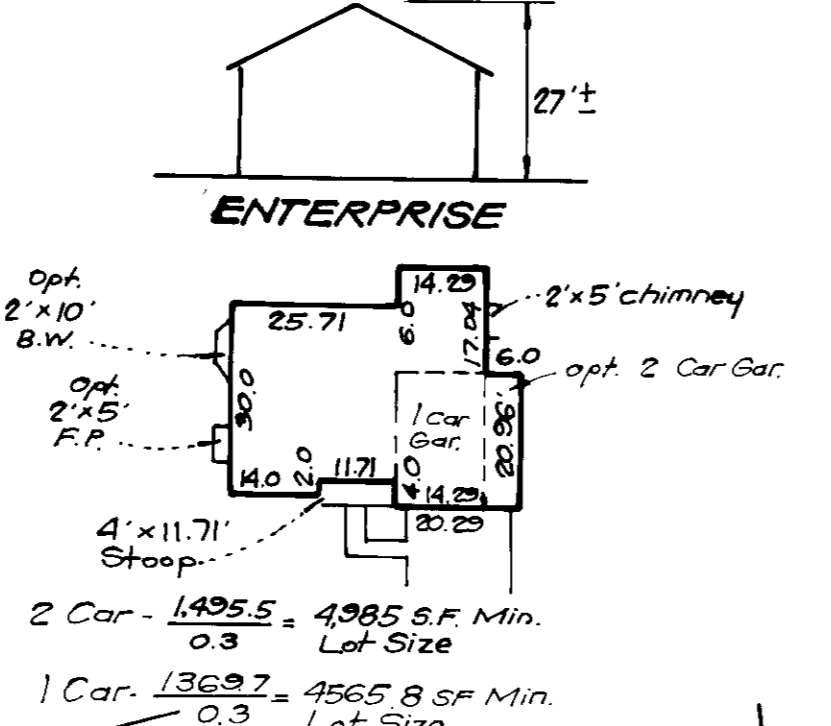
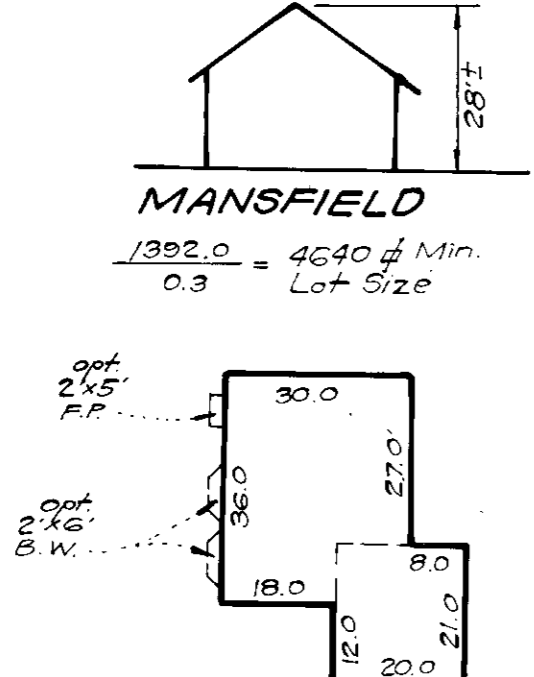
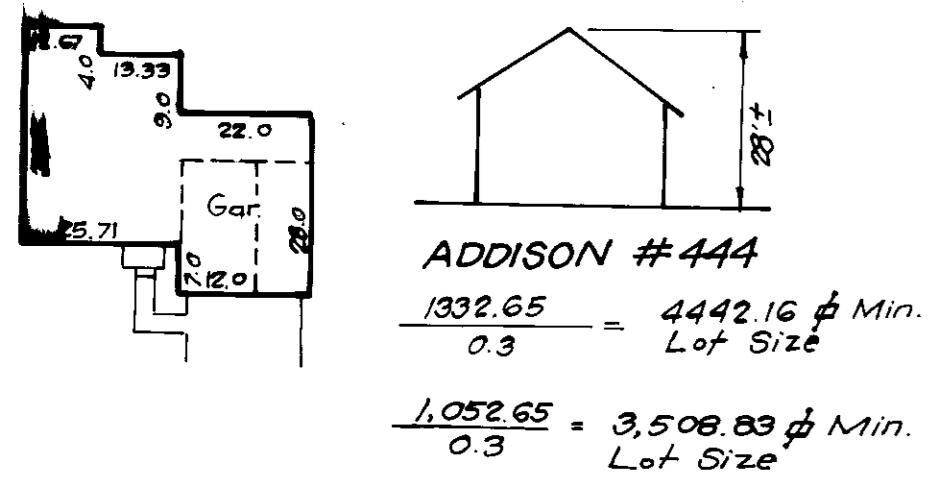


CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21044 • (410) 891-7500 • BALTO • (301) 421-0000 • WASH

DESIGNED	U.M.E.	SCALE	1" = 30'
DRAWN	M.C.R.	DRAWING	1 OF 5
CHECKED	B.A.L.	JOB NO.	93-003
DATE	11-10-93	FILE NO.	93-003X

SITE DEVELOPMENT PLAN
 LOTS 200-222
COLUMBIA
 VILLAGE OF RIVER HILL
 SECTION 2 AREA 2 PHASE 1
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR THE RYLAND GROUP, INC.
 7130 Minstrel Way
 Columbia, Md. 21045

SDP 94-50



LOT No.	STREET ADDRESS
200	G401 Grateful Heart Gate / G412 Ripe Apple Lane
201	G402 GRATEFUL HEART GATE
202	G403
203	G415
204	G417
205	G411
206	G425
216	G410
217	G410
218	G410
219	G408
220	G404
221	G400
222	G300

No.	REVISIONS	Date
6	Rev. hse & grd. lot 206, Rev. hse typical	9-27-94
5	Rev. hse & grd. lots 219 & 220, Add hse typical	9-7-94
4	Rev. hse & grd. lot 216 and 218	8-24-94
3	Rev. hse & grd. lot 205, Add hse typical	7-19-94
2	Rev. hse and grade lot 203, Add hse typical	6-29-94
1	Rev. hse and grade lot 205, Add hse typical	6-2-94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
James M. [Signature] 1/26/94
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Joseph [Signature] 2/1/94
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James [Signature] 1/19/94
DATE

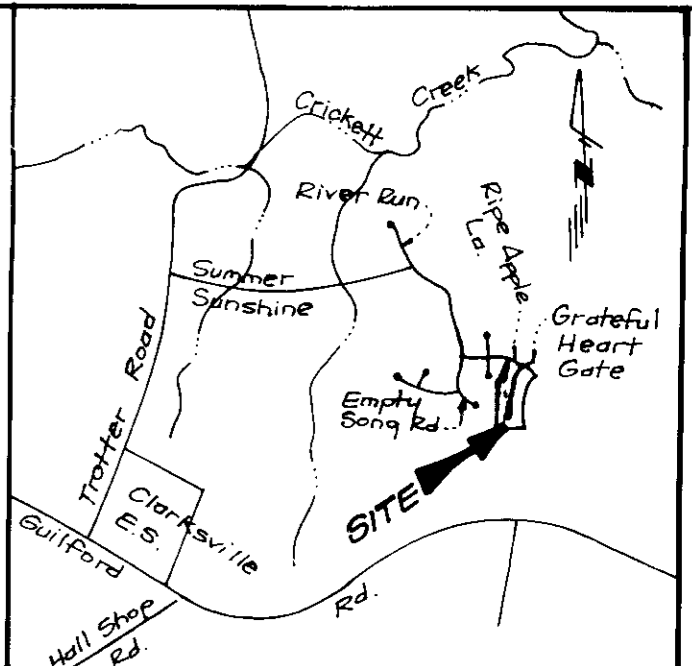
APPROVED: CHIEF BUREAU OF ENGINEERING
[Signature] 1/18/94
DATE

HOWARD RESEARCH & DEVELOPMENT
ZONED NT

OWNER/DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP
10275 Little Patuxent Pkwy
Columbia, Maryland 21044

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

DESIGNED	SITE DEVELOPMENT PLAN LOTS 200-222 COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 2 PHASE 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE	1"=30'
DRAWN		DRAWING	2 OF 5
MCR		JOB NO.	93-003
CHECKED		FILE NO.	93-003X
DATE		FOR THE RYLAND GROUP, INC 7130 Minstrel Way Columbia, Md. 21045	11-10-93



VICINITY MAP
Scale: 1" = 2000'

LEGEND

- Contour Interval 5'
- Existing Contour 464'
- Proposed Contour 462'
- Spot Elevation 462'
- Direction of Flow
- Existing Tree
- Tree Protection Fence
- Silt Fence
- Earth Dike
- Stabilized Construction Entrance

Reviewed for	HOWARD S.C.D.
Name	
and meets Technical Requirements	
Signature	
Date	
US Soil Conservation Service	

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

[Signature]
Approved

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."

Maurice M. Simpkins 11-10-93
Maurice M. Simpkins Date

OWNER / DEVELOPER

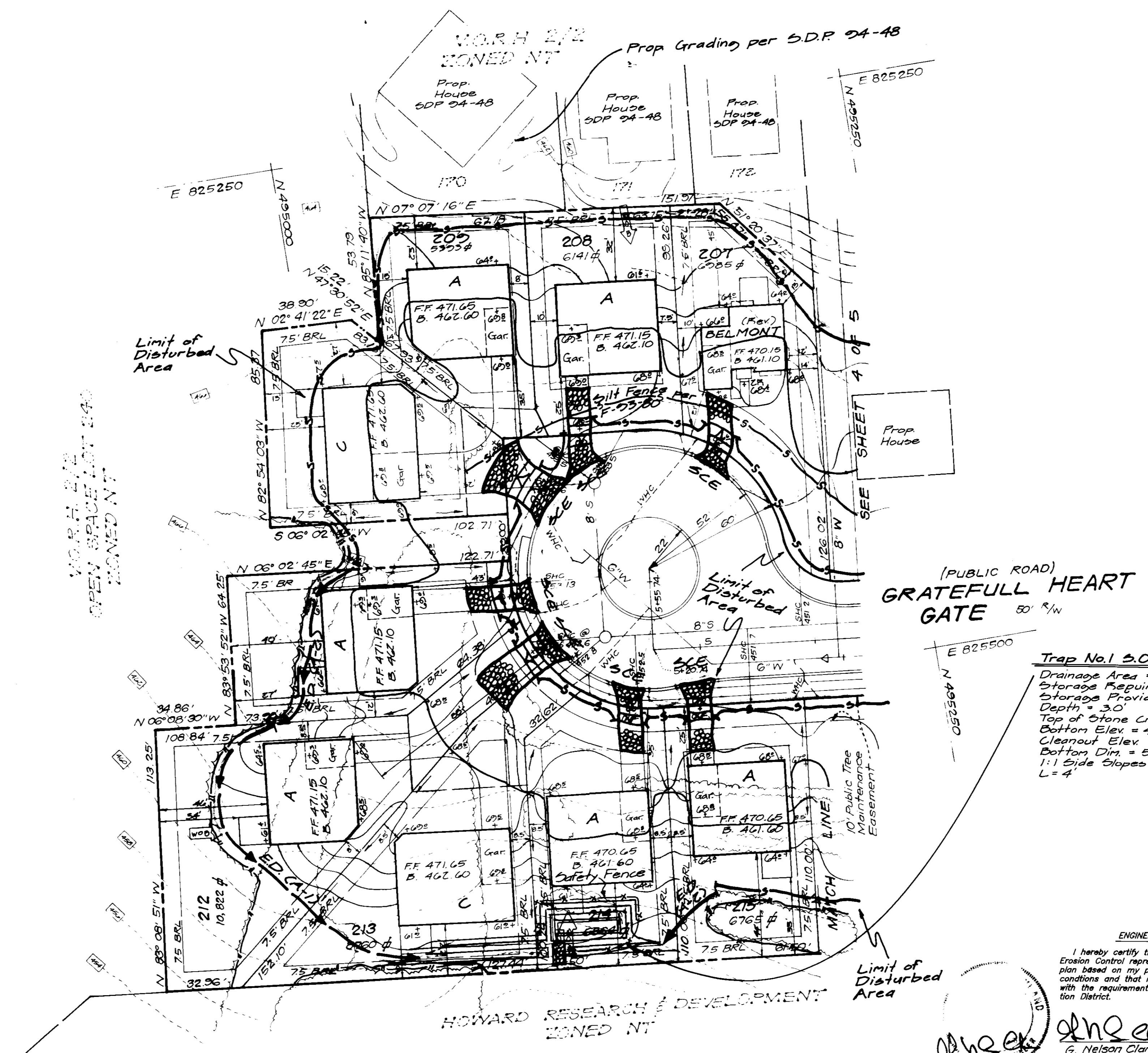
HOWARD RESEARCH AND DEVELOPMENT CORP.
10275 Little Patuxent Pkwy.
Columbia, Maryland 21044

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.

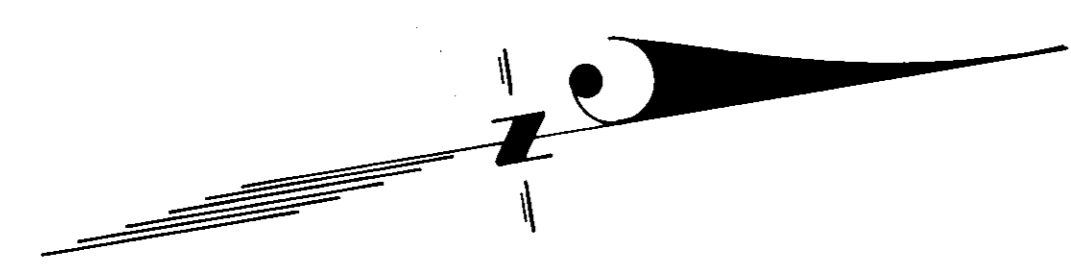
[Signature] 11-10-93
G. Nelson Clark Date

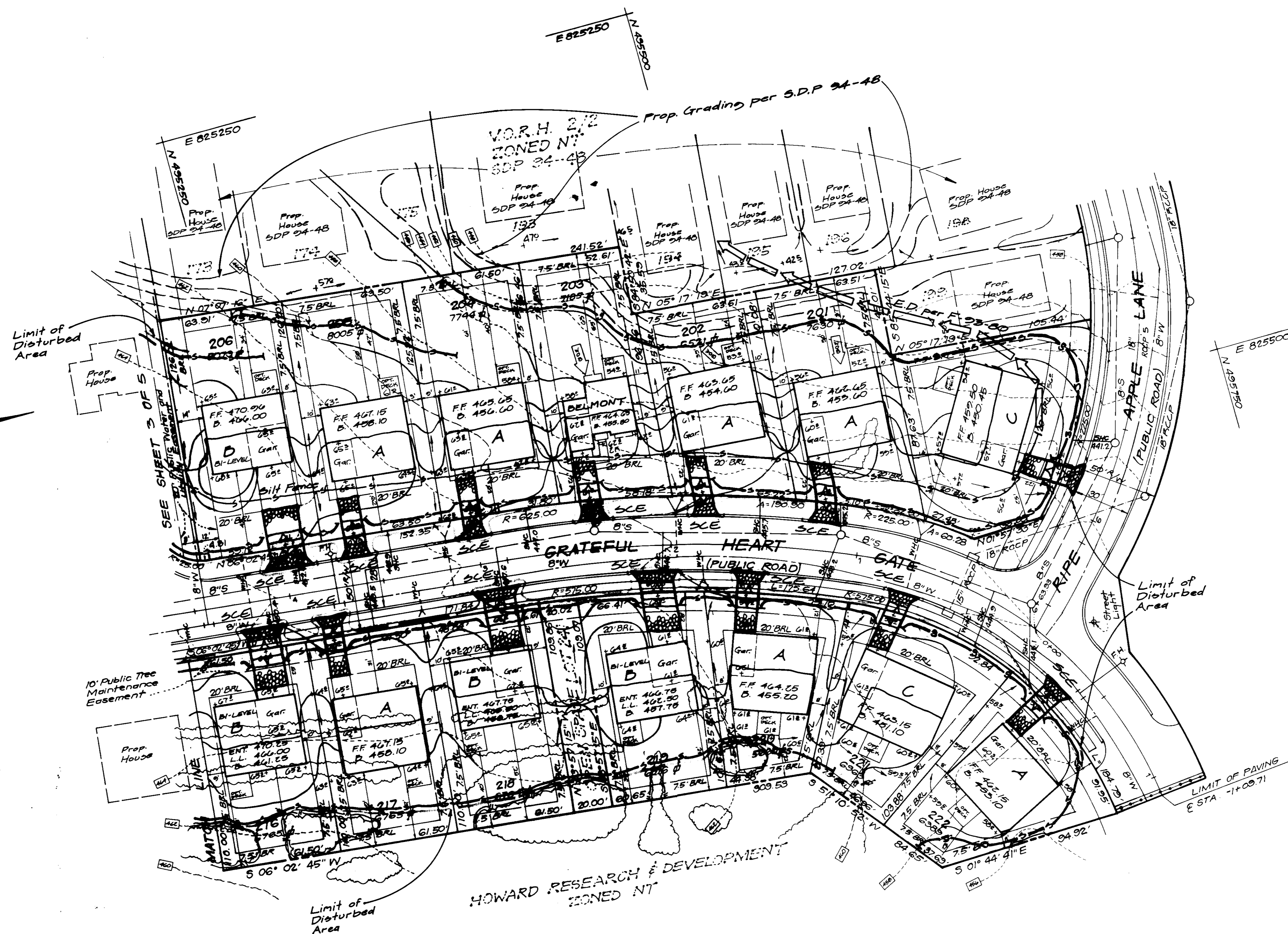
		CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7130 Minstrel Way • Columbia, Md. 21045 • 410-739-1100	
DESIGNED	KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 200-222 COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 2 PHASE 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP, INC. 7130 Minstrel Way Columbia, Md. 21045	SCALE
DRAWN	MCK BAL		1" = 30'
CHECKED	KIWM		DRAWING
DATE	11-10-93		30F 5
			JOB NO.
		23-003	
		FILE NO.	
		23-0034	



Trap No. 1 S.O.S.T. STY
 Drainage Area = 0.44a
 Storage Required = 0.4 x 180 = 720 c.f.
 Storage Provided = 720 c.f.
 Depth = 3.0
 Top of Stone Crest = 457.0
 Bottom Elev. = 453.0
 Cleanout Elev. = 454.5
 Bottom Dim. = 5' x 27"
 1:1 Side Slopes in Cut
 L = 4'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT	<i>[Signature]</i> 1/26/94 DATE
APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING	<i>[Signature]</i> 2/1/94 DATE
CHIEF DIVISION OF LAND DEVELOPMENT H.R.D. RESEARCH	<i>[Signature]</i> 1/31/94 DATE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>[Signature]</i> 1/2/94 DATE
CHIEF BUREAU OF ENGINEERING	<i>[Signature]</i> 1/16/94 DATE





APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
James M. Boyd 11/26/94
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
James M. Boyd 11/21/94
 DIRECTOR DATE

Gene J. Harman 11/19/94
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James M. Boyd 11/19/94
 COUNTY ENGINEER DATE

William J. Ryan 11/18/94
 COUNTY ENGINEER DATE

Reviewed for HOWARD S.C.D.
 Name: _____
 and Agents Technical Requirements
 Signature: _____ Date: 11/22/94
 US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT.
John R. ... 11/19/94
 Approved

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."
Maurice M. Simpkins 11-10-93
 Maurice M. Simpkins Date

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 Conserva-
 tion District.
G. Nelson Clark 11-10-93
 G. Nelson Clark Date 11-10-93



OWNER/DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT CORP.
 10275 Little Patuxent Pkwy
 Columbia, Maryland 21044

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH		DESIGNED KIWM	SCALE 1"=30'
DRAWN MCK BAL	CHECKED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 200-222 COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 2 PHASE 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING 4 OF 5
DATE 11-10-93	DATE 11-10-93	FOR: THE RYLAND GROUP, INC. 7130 Minstrel Way Columbia, Md. 21045	JOB NO. 23-003
		FILE NO. 23-003	

SDP 94-50

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:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 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 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 600 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 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 unrattled 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 reseeding.

TEMPORARY SEEDING NOTES

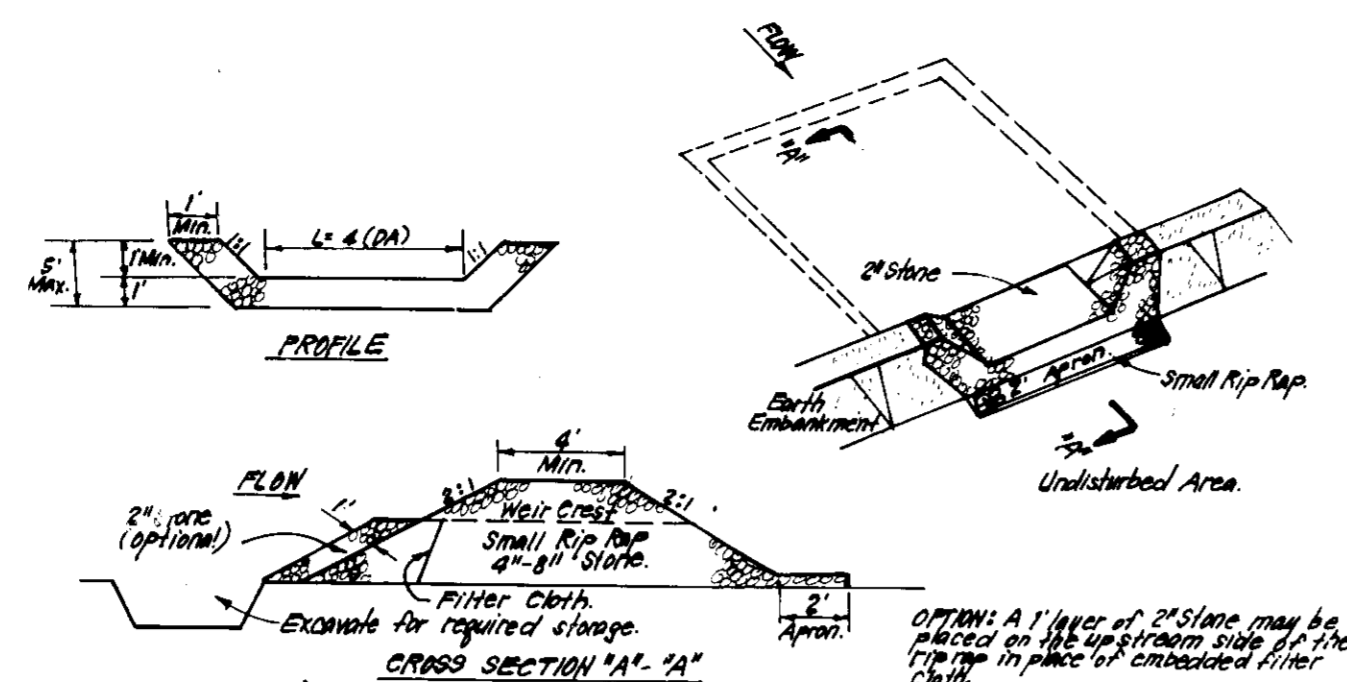
SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./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 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.

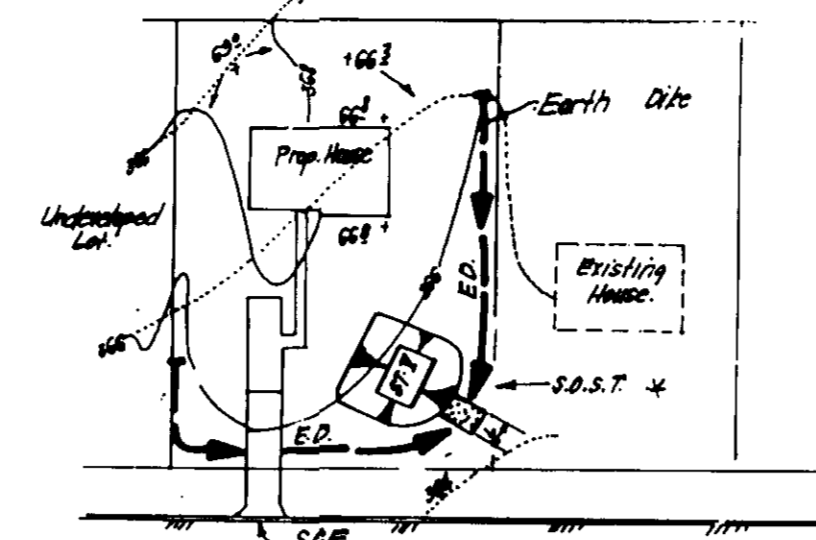
MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq ft.) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher,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



- CONSTRUCTION SPECIFICATIONS:**
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The area shall then be graded.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as evergreen needles, rocks, organic material or other objectionable material. The embankment shall be compacted by tamping with equipment while it is being constructed.
 3. All cut and fill slopes shall be 2:1 or flatter.
 4. The stone used in the outlet shall be small rip rap 4\"/>

STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STY.

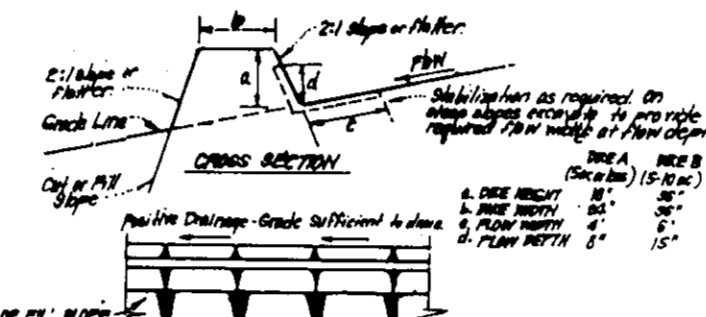


* NOTE: Single lot detail can not be utilized if any two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.

CONSTRUCTION SPECIFICATIONS:

1. Stone size - Use 2\"/>

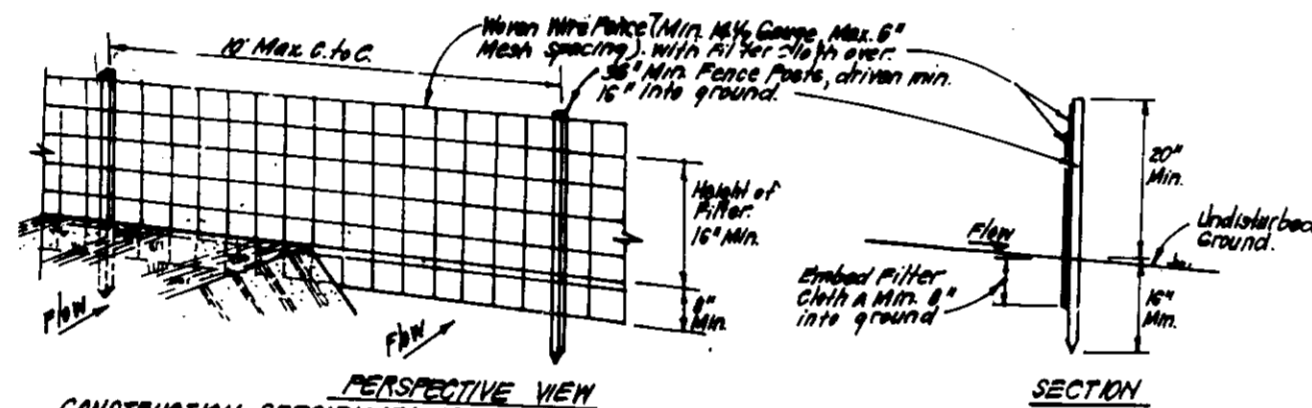
SINGLE LOT SEDIMENT CONTROL PLAN



CONSTRUCTION SPECIFICATIONS:

1. All dikes shall be constructed by earth moving equipment.
2. All dikes shall have a minimum clearance to an existing structure.
3. The width may be up to 10 feet and slope may be flatter if desired to facilitate clearing by construction practice.
4. Final location should be adjusted as needed to utilize a stabilized area with.
5. Earth dikes shall have an outlet that discharges into a minimum 4\"/>

EARTH DIKE DETAIL (E.D.)



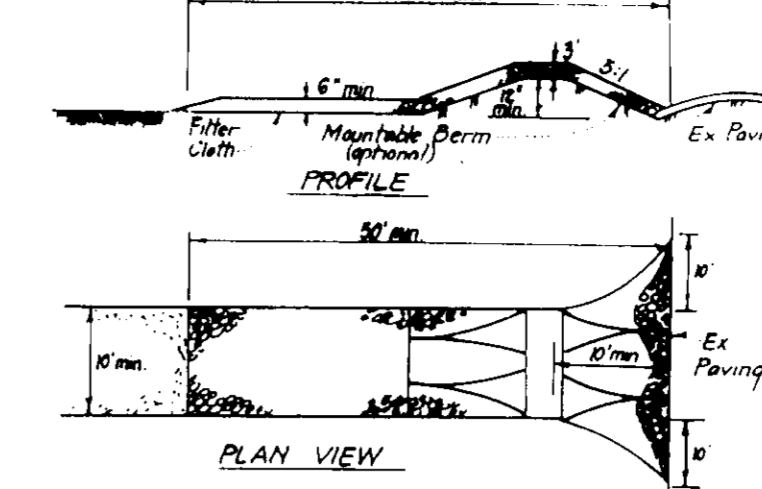
- CONSTRUCTION SPECIFICATIONS:**
1. Heavy wire fence to be fastened securely to fence posts with wire ties or staples.
 2. Filter cloth to be fastened securely to heavy wire fence with ties spaced every 6\"/>
- POSTS:** Steel, either T or U Type or 2\"/>

FENCE: Heavy Wire, 1/4\"/>

FILTER CLOTH: Filter Cloth, 100\"/>

PREFABRICATED UNIT: See Note. Dimensions, as shown.

SILT FENCE DETAIL (S)



- CONSTRUCTION SPECIFICATIONS:**
1. Stone size - Use 2\"/>

STABILIZED CONSTRUCTION ENTRANCE (SCE)

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. (S19-1855).
 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. I, 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 seeding (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: 3.92 AC
Area Disturbed: 3.92 AC
Area to be vegetatively stabilized: 1.62 AC
Total Cut: 410 CY
Total Fill: 1004 CY
Off-site Waste/Borrow Area Location: _____
 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector. 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. All pipes to be blocked at the end of each day (see detail this sheet).
 12. The total amount of silt fence = 2425 LF.
- * It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.

CONSTRUCTION SEQUENCE:

	NO. OF DAYS
1. Obtain grading permit	7
2. Install tree protection fence	2
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	7

* NOTE: Builder is responsible for cleaning the stormwater management structures of all sediment attributed to his site.

OWNER / DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP
10275 Little Patuxent Pkwy
Columbia, Maryland 21044

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

DESIGNED	MIWM	SEDIMENT & EROSION CONTROL DETAILS	SCALE AS NOTED
DRAWN	MCR	LOTS 200-222	DRAWING
CHECKED	MIWM	COLUMBIA	5 OF 5
DATE	11-10-93	VILLAGE OF RIVER HILL	JOB NO
		SECTION 2 AREA 2 PHASE 1	93-003
		5th ELECTION DISTRICT	FILE NO
		HOWARD COUNTY, MARYLAND	93-003
		FOR: THE RYLAND GROUP, INC.	
		7135 D Minstrel Way	
		Columbia, Md 21045	
		SDP 24-50	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
James M. Boyd 1/26/94
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
John J. Kelly 2/1/94
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John J. Kelly 1/19/94
DIRECTOR DATE

CHIEF DIVISION OF LAND & DEVELOPMENT AND RESEARCH
John J. Kelly 1/18/94
DATE

Reviewed for HOWARD S.C.D.
Name: *[Signature]*
Signature: *[Signature]* 1/26/94
US Soil Conservation Service Date

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
[Signature] Approved

DEVELOPER'S/BUILDER'S CERTIFICATE
"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 reasonable 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."
Maurice M. Simpkins 1-4-94
Date

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.
G. Nelson Clark 1-4-94
Date

