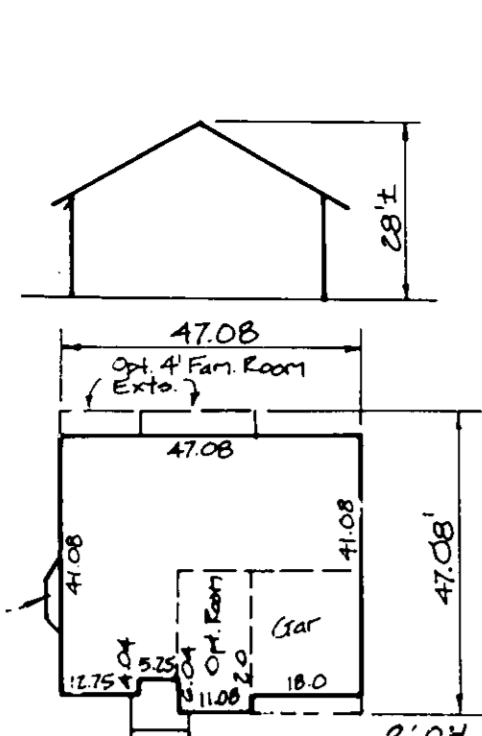
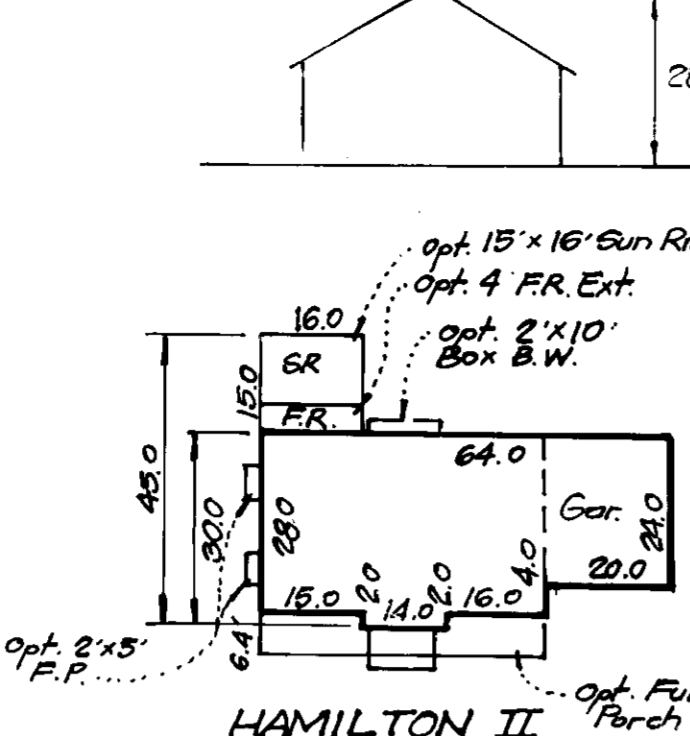


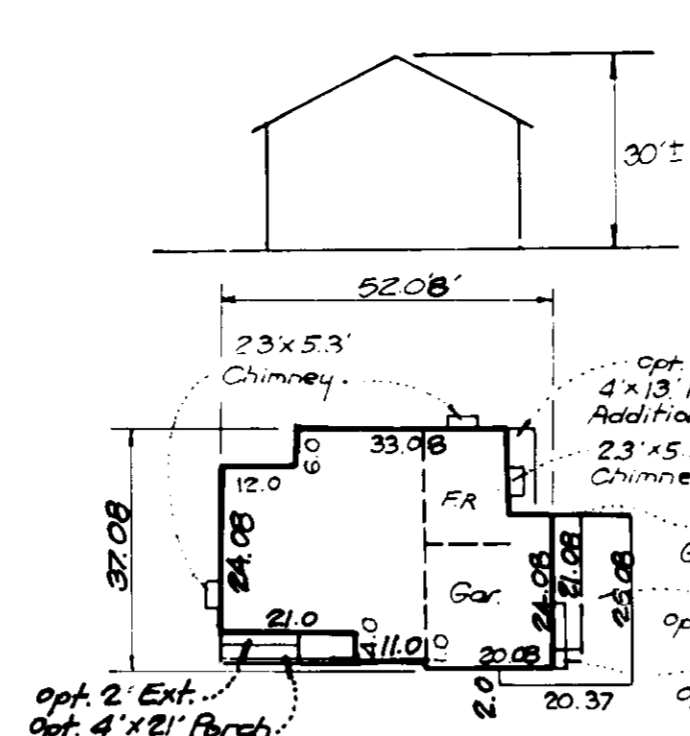
HAMPTON
 2042.01 = 6806.70 \$
 0.3 Min. Lot Size
 2477.28 = 8257.60 \$ Min. Lot Size
 0.3 w/all options



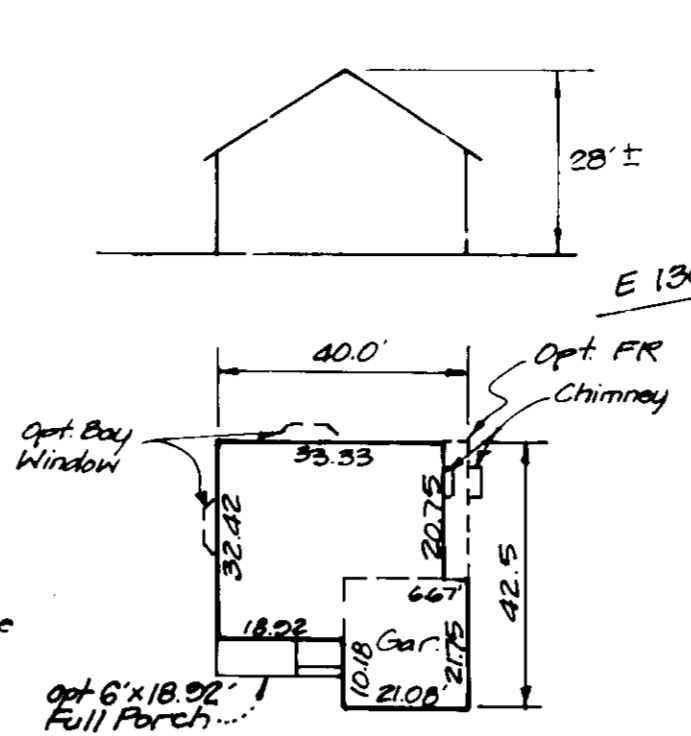
CARLISLE
 2087.82 = 6925.53 \$
 0.3 Min. Lot Size
 2211.82 = 7372.97 \$ Min. Lot Size
 0.3 w/all options



HAMILTON II
 1958 = 6226.7 \$ Min. Lot Size
 0.3 w/o Options
 2564 = 8546.7 \$ Min. Lot Size
 0.3 w/all Options

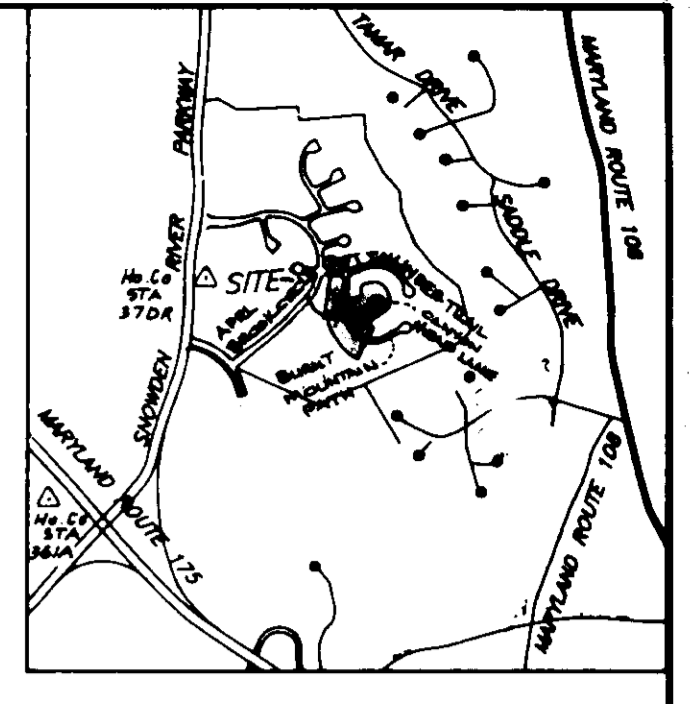
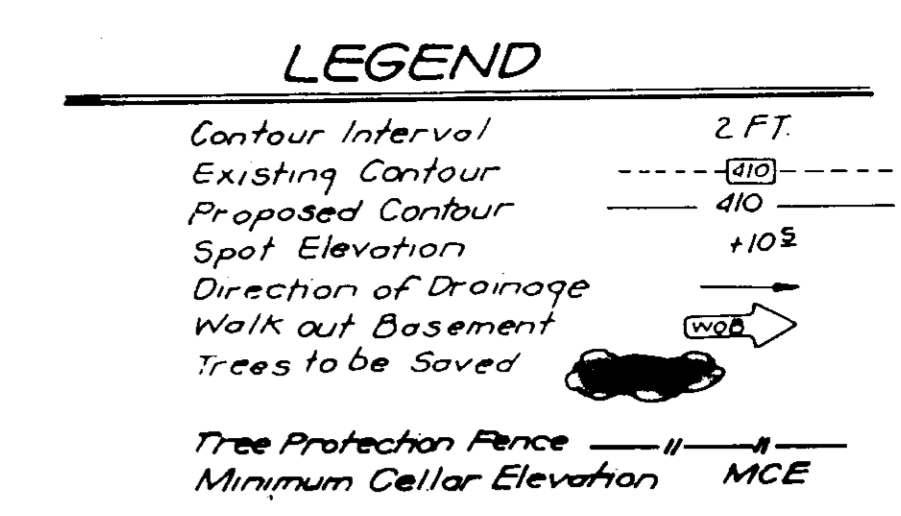


BRADLEY
 1837.86 = 6126.2 \$ Min. Lot Size
 0.3 w/all options
 2307.03 = 7620.1 \$ Min. Lot Size
 0.3 w/all options



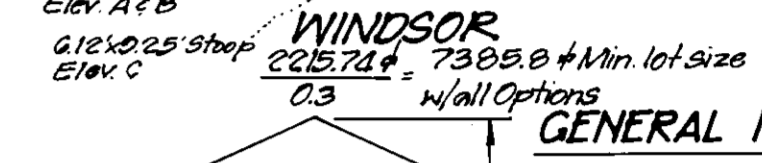
NEWPORT
 1489.9 = 4962.9 \$ Min. Lot Size
 0.3 w/o Options
 1779.5 = 5891.7 \$ Min. Lot Size
 0.3 w/all Options

LOT	ADDRESS
147	618 Silt Thruer Trail
148	618 Burnt Mountain Path
149	618
150	618
151	618
152	618
153	618
154	618
155	618
156	618
157	618
158	618
159	618
160	618
161	618
162	618
163	618
164	618
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189	618
190	618
191	618
192	618
193	618
194	618
195	618
196	618
197	618
198	618
199	618
200	618



VICINITY MAP
 SCALE: 1" = 2000'

HOWARD COUNTY MONUMENTS
 Howard County Control Stations: 361A Elev. 400.81
 37 DR Elev. 380.34



WINDSOR
 6120.25 sheet
 2257.24 = 7308.8 \$ Min. lot size
 0.3 w/all options

GENERAL NOTES:

1. Subject property is zoned NT-SFMD per 10-18-93 Comprehensive Zoning Plan.
2. The total area included in this submission is 258 Ac. or 417,384 sq. ft.
3. The total number of lots included in this submission are: 31
4. Improvement to property: Single Family Detached
5. The Maximum Lot Coverage permitted is 30%.
6. Spot elevations shown are located at the property line. Department of Planning and Zoning reference file numbers are: F-05-25, F-35-124 & FDP Phase 210
7. Utilities shown as existing are taken from approved Water and Sewer plan Contract # 24-3355-D approved Road Construction Plans F-05-25 and actual field survey.
8. Any damage to county owned rights-of-way shall be corrected at the developer's expense.
9. Stormwater Management is provided per F-05-25
10. All roadways are public and existing.
11. The existing topography shown was taken from Road Construction Plans F-05-25 prepared by Clark, Fierrock & Sackett. The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos. 361A & 37DR
12. The contractor shall notify the Department of Public Works/Division of Construction Inspection # (410) 313-1880 at least five (5) working days prior to the start of work.
13. The contractor shall notify, Miss Utility, at 1-800-257-7777, at least 48 hours prior to any excavation work.
14. For driveway entrance details, refer to Ho.Co. Design manual Volume IV details R-2-G.03 & R-2-G.05
15. In accordance with section 128 of the Howard County Zoning Regulations, bay windows or chimneys not more than 10 feet in width may project not more than 4 feet into any setbacks, porches and decks may project not more than 10 feet into the front or rear setbacks.
16. No clearing, grading or construction is permitted within the Wetlands and Stream Buffers.

SPECIAL NOTES:

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way 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

SHEET INDEX

DESCRIPTION	SHEET NO.
SITE DEVELOPMENT PLANS	147-234
SEDIMENT & EROSION CONTROL & DETAILS	4016-6016

OWNER/DEVELOPER

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

SUBMISSION NAME	COLUMBIA VILLAGE OF LONGREACH	SECTION/AREA	4/2	LOTS/PARCELS	147-190, 108, 109, 118, 119, 120, 121, 122, 123, 124
FLAT NO.	11524-11622	BLOCK NO.	13	ZONE	NTSFMD
TAX MAP NO.	37	ELECTION DIST.	GTH	CANINE TRACT	6067.03
WATER CODE	E-07	SEWER CODE	3460000		

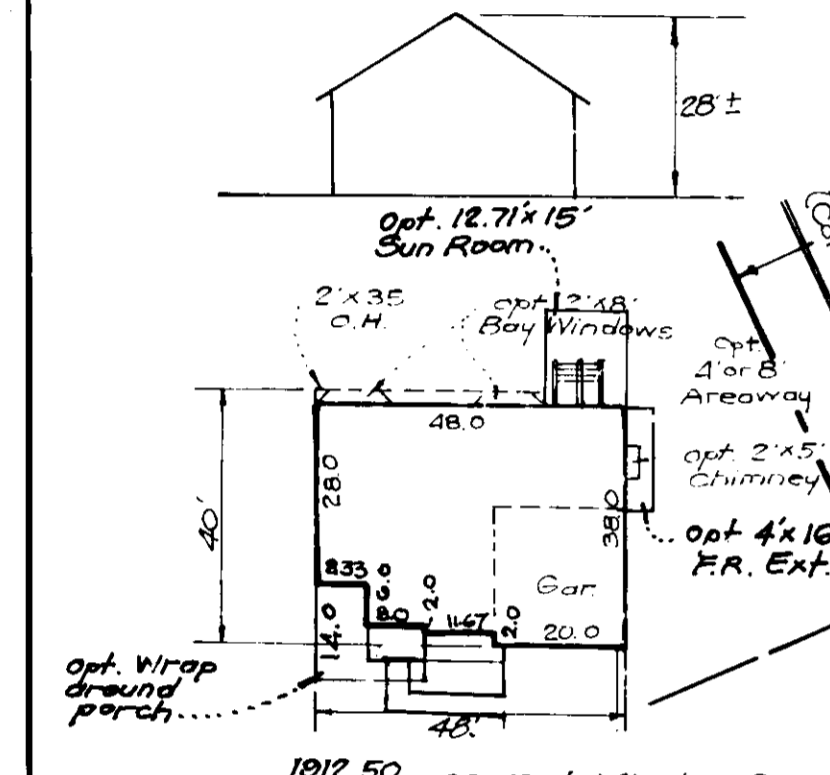
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 821-8100 - WASH.

DESIGNED MJP
DRAWN PS
CHECKED JML
DATE 12-21-95

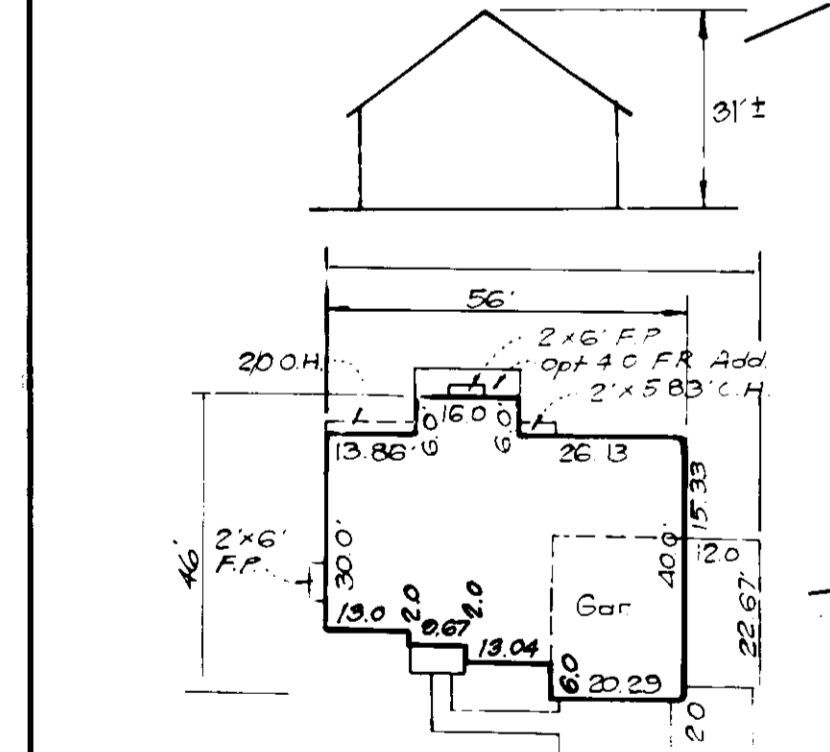
91 SITE DEVELOPMENT PLAN
 LOTS 147-150, 108, 109, 124-125, 222 - 234
COLUMBIA VILLAGE OF LONGREACH
 SECTION 4 AREA 2
 SIXTH (6th) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP, INC.
 7130 Minstrel Way
 Columbia, Md. 21043

SCALE: 1" = 30'
 DRAWING: 1 OF 6
 JOB NO.: 05-060
 FILE NO.: 05-060X



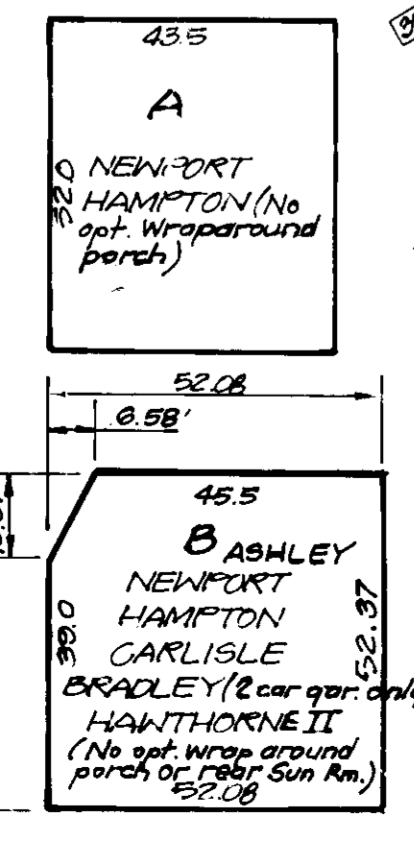
HAWTHORNE II
 2301.07 = 7670.23 \$ Min. Lot Size
 0.3 w/all options



SOUTHILL
 2194.28 = 7314.27 \$ Min. Lot Size
 0.3
 2602.78 = 8675.93 \$ Min. Lot Size
 0.3 w/all options

NO	REVISIONS	DATE
4	Rev. hse. for grad. lot 191	2-13-98
3	Rev. Generic boxes, grading and ex. topography to reflect GP 97-18A, Add new hse. types and rev. ex. hse. types.	3-18-97
2	Rev. hse. grad. lot 150	3-6-97
1	Rev. hse. and grad. lot 147	8-20-96

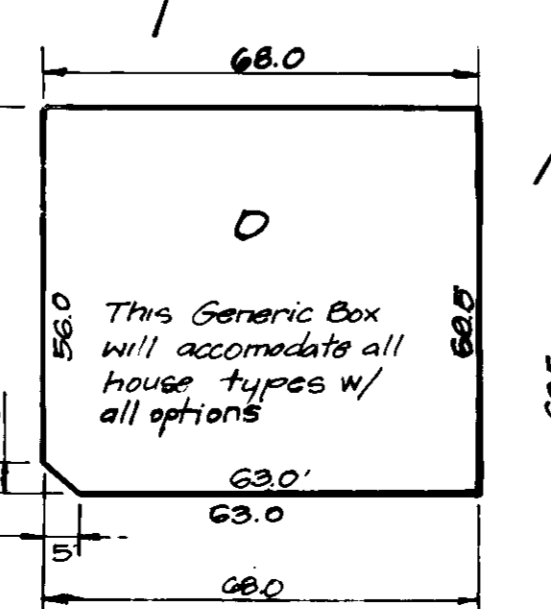
APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division: 1/17/96
 Chief, Division of Land Development and Research: 1/19/96
 Director: 1/19/96



A NEWPORT HAMPTON (No opt. Wraparound porch)

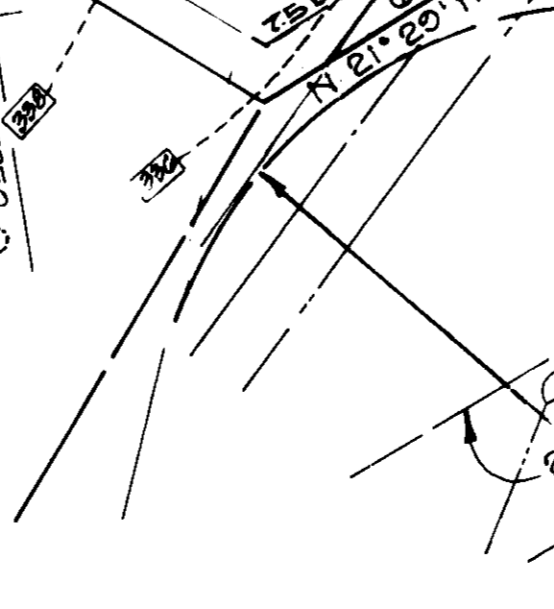
B ASHLEY NEWPORT HAMPTON CARLISLE BRADLEY (2 car garage only) HAWTHORNE II (No opt. wrap around porch or rear Sun Rm.)

* (either opt. rear sun rm. or wrap porch but not both)



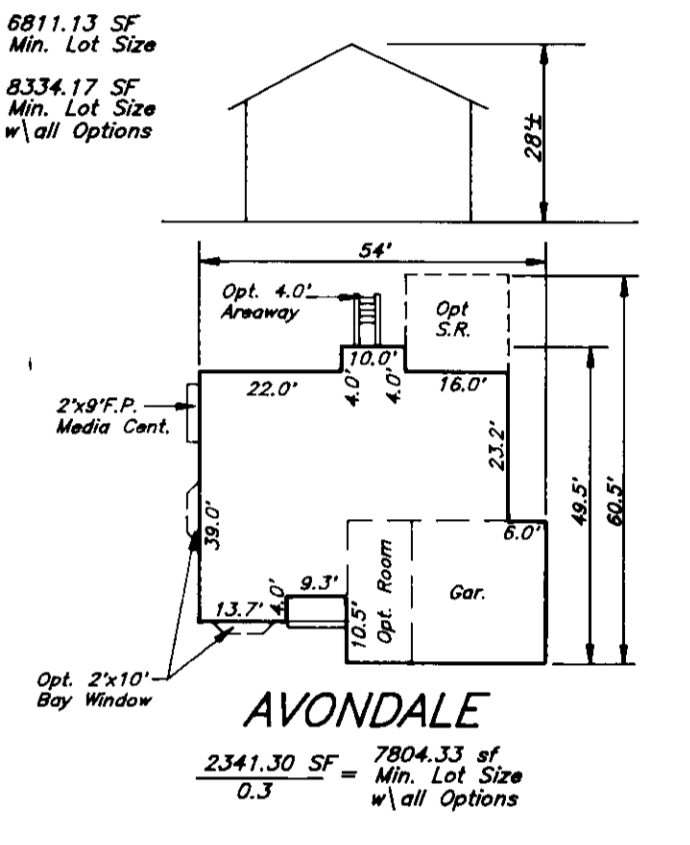
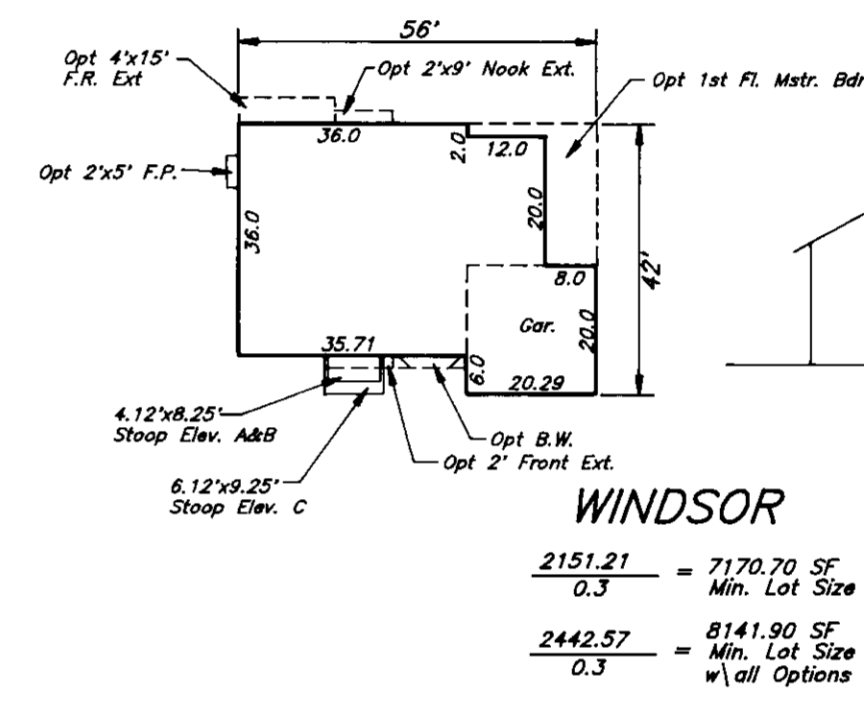
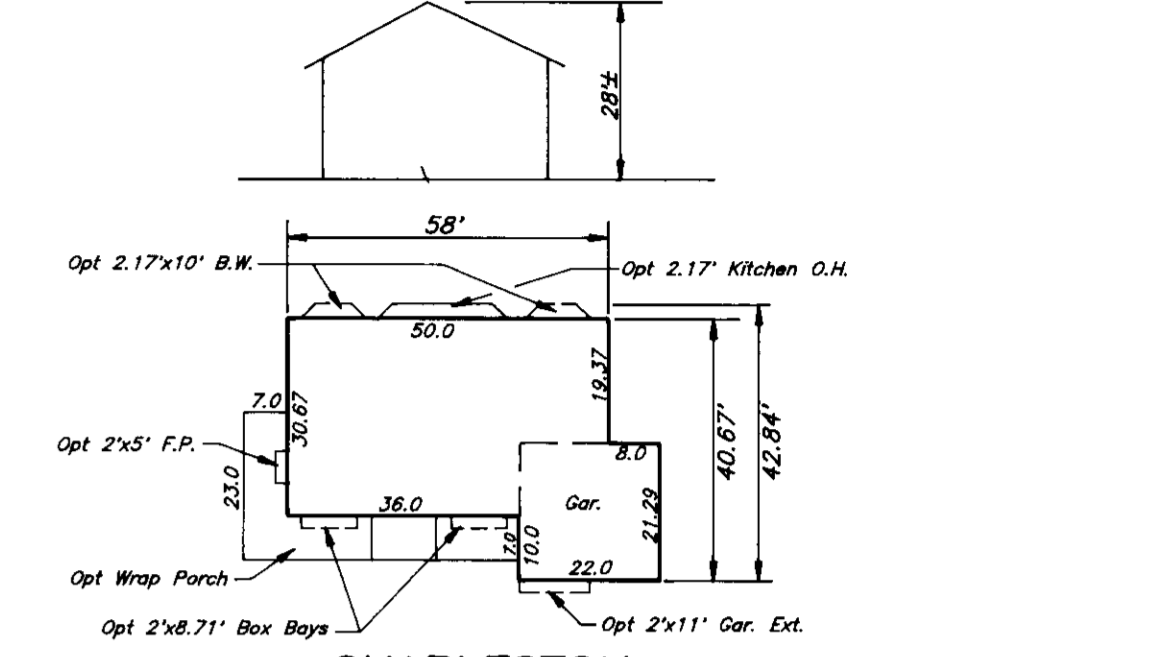
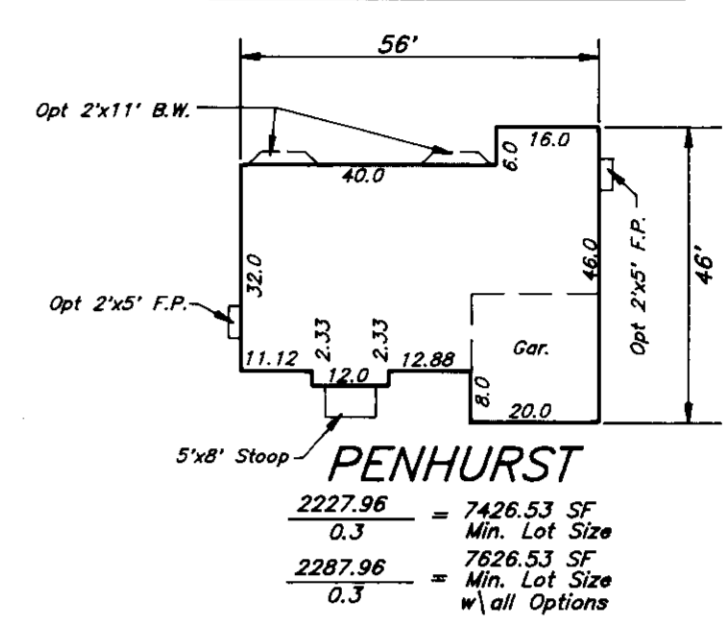
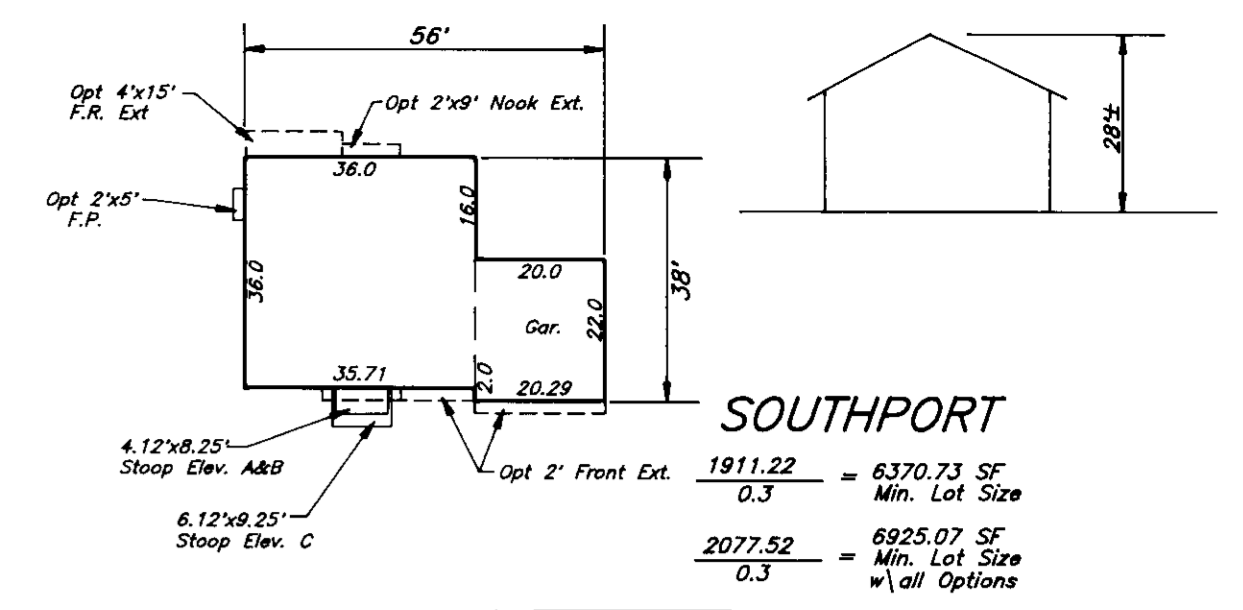
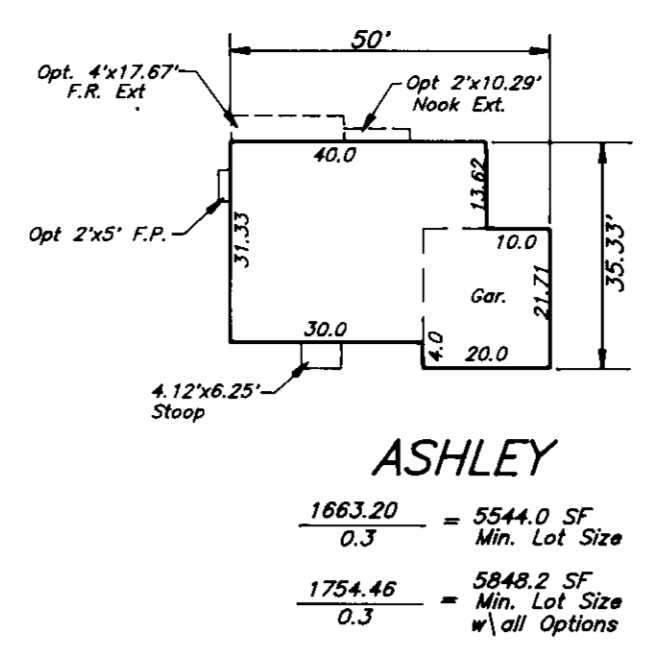
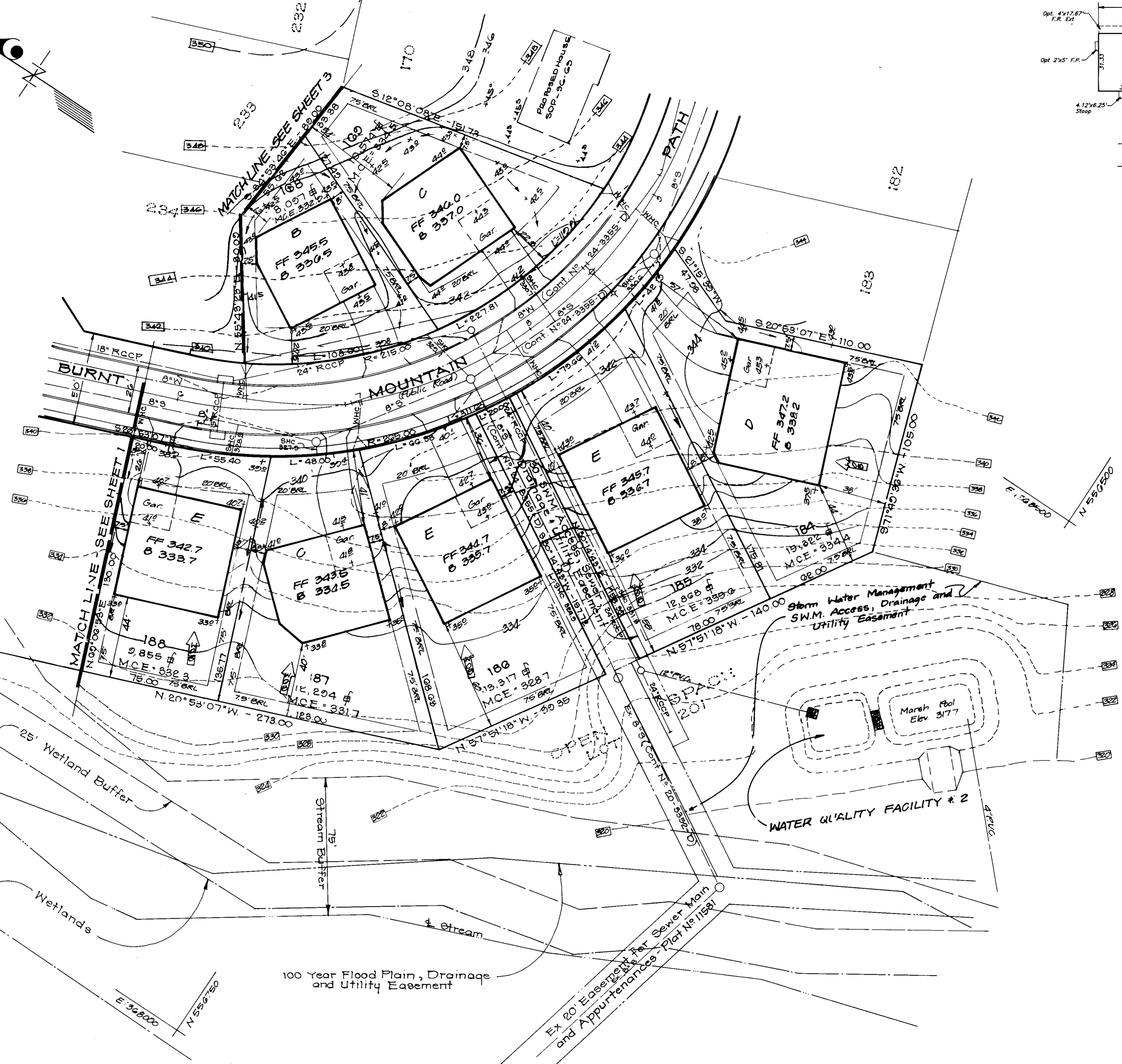
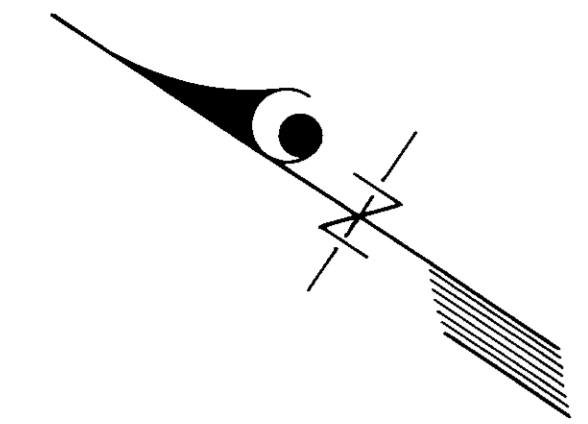
C ASHLEY, WINDDALE CARLISLE, HAMILTON NEWPORT, FENHURST WINDSOR (No opt. 4 FR. Ext. Avoidable No opt. Sun Rm. or 4 FR. Ext., Southill no opt. 3 Car Gar., Hawthorne II, Charleston No gar. ext. or wrap porch, Southport no opt. 4 FR. ext., Bradley no opt. 3 Car Gar.)

D This Generic Box will accommodate all house types w/ all options



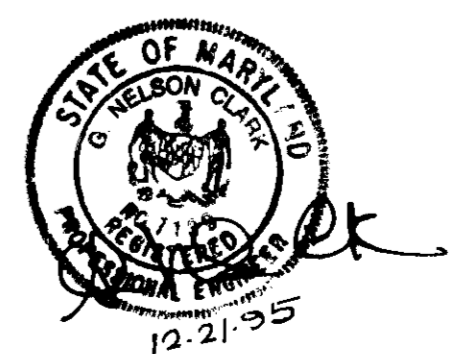
E ASHLEY, WINDDALE CARLISLE, HAMILTON NEWPORT, FENHURST WINDSOR, HAWTHORNE II SOUTHPORT, BRADLEY (No opt. 3 car Gar., Charleston No opt. wraparound porch, Southill No 3 Car Garage)

VOL. 478
ZONED: N.T.S.F.M.D



APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 1/17/96
 Chief, Development Engineering Division
[Signature] 1/17/96
 Chief, Division of Land Development and Research
[Signature] 1/17/96
 Date

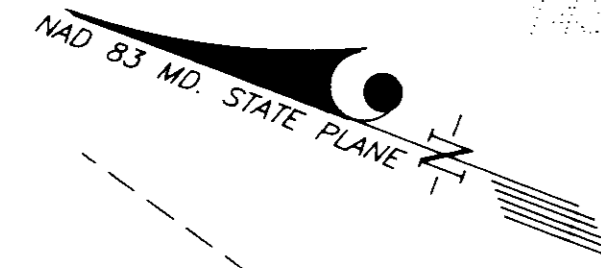
No.	REVISIONS	DATE
1.	Revise Ex. Topo. to reflect GP-07-18A; Add new Hse. Types; Revise Gen. Boxes & Grns.	3-18-97



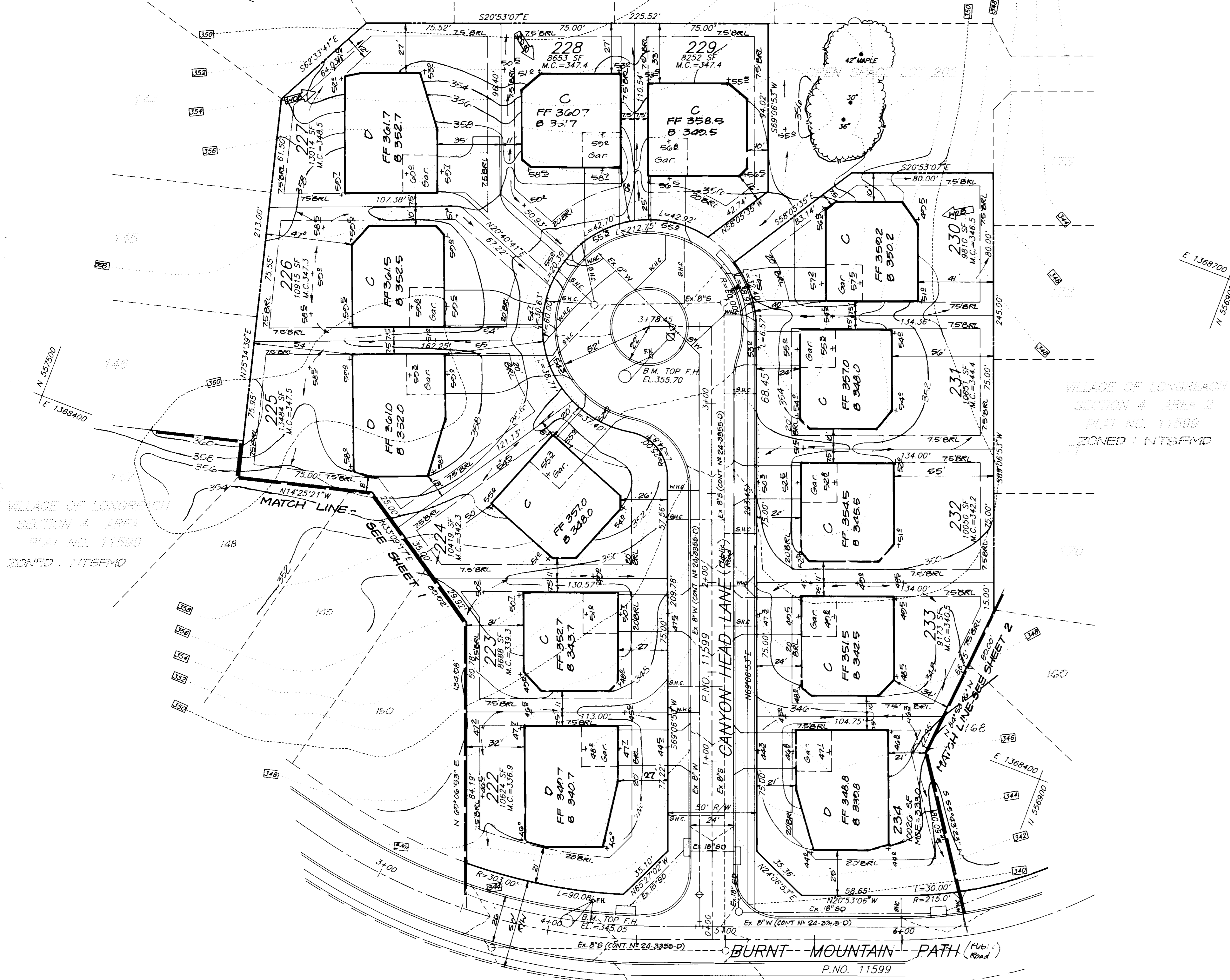
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED MJP	SITE DEVELOPMENT PLAN LOTS 147 - 150, 160, 168, 184 - 185, 222 - 234 COLUMBIA VILLAGE OF LONGREACH SECTION 4 AREA 2 SIXTH (6TH) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN RS		DRAWING 2 OF 6
CHECKED Jm		JOB NO. 95-060
DATE 12-21-95		FILE NO. 95-060X
FOR: THE RYLAND GROUP, INC. 7130 Minstrel Way Columbia, Md. 21043		

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



VILLAGE OF LONGREACH
SECTION 4 AREA 2
PLAT NO. 11599
ZONED: INTS-FMC



VILLAGE OF LONGREACH
SECTION 4 AREA 2
PLAT NO. 11599
ZONED: INTS-FMC

VILLAGE OF LONGREACH
SECTION 4 AREA 2
PLAT NO. 11599
ZONED: INTS-FMC

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

CLARK • FINEROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 • BALTO. • (301) 621-8100 • WASH.		
DESIGNED MJP	SITE DEVELOPMENT PLAN LOTS 147-150, 160, 162, 164-170, 222-234	SCALE 1"=30'
DRAWN ZM AS	COLUMBIA VILLAGE OF LONGREACH SECTION 4 AREA 2 SIXTH (6th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING 3 of 6
CHECKED jmc		JOB NO. 95-000
DATE 12-21-95	FOR: THE RYLAND GROUP, INC. COLUMBIA BALTIMORE DIVISION 1442 YORK ROAD, SUITE 705 LUTHERVILLE, MARYLAND 21093	FILE NO. 95-000



APPROVED: DEPARTMENT OF PLANNING AND ZONING

 Chief, Development Engineering Division 1/17/96 Date

 Director, Division of Land Development and Research 1/19/96 Date

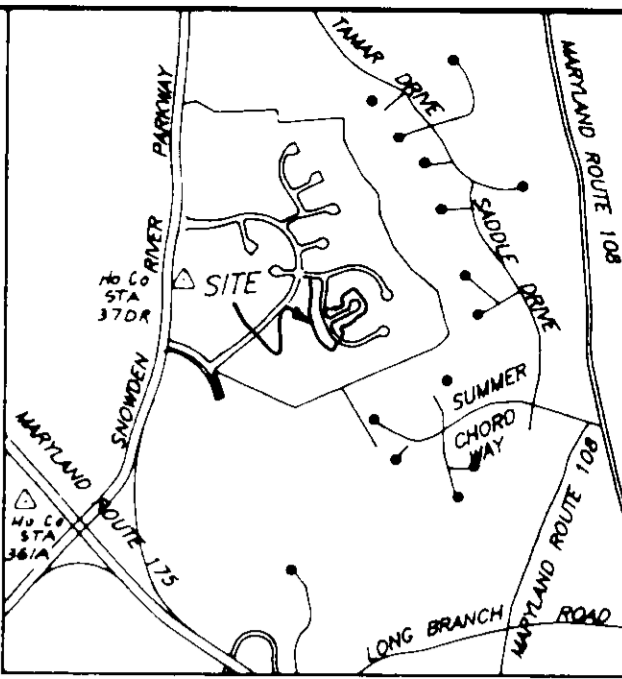
 Director 1/19/96 Date

N 55° 55' 55" E
E 1368500

N 55° 55' 55" E
E 1368500

LEGEND

- Contour Interval 2 FT
- Existing Contour ---
- Proposed Contour - - - -
- Spot Elevation +10'
- Direction of Drainage →
- Walk out Basement
- Trees to be Saved
- Tree Protection Fence
- Minimum Cellar Elevation MCE
- Limit of Disturbance
- Silt Fence
- Ex. Earth Dike
- Stabilized Construction
- Entrance



VICINITY MAP
SCALE: 1"=2000'

HOWARD COUNTY MONUMENTS
Howard County Control Stations 36 1A Elev. 400.61
37 CR Elev. 380.34

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 SPECS. 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:	7.72 AC ±
Area to be graded or paved:	7.20 AC ±
Area to be vegetatively stabilized:	1.57 AC ±
Total Fill:	27,200 CY
Total Cut:	31,450 CY
 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 = 4615 LF
- * It is the responsibility of the contractor to identify the spill/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.	DESCRIPTION	NO. OF DAYS
1	Obtain grading permit	7
2	Install live protection fence	7
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 driveway	60
6	Final grade and stabilize in accordance with Plans and Specs.	14
7	Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize	7

OWNER/DEVELOPER

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

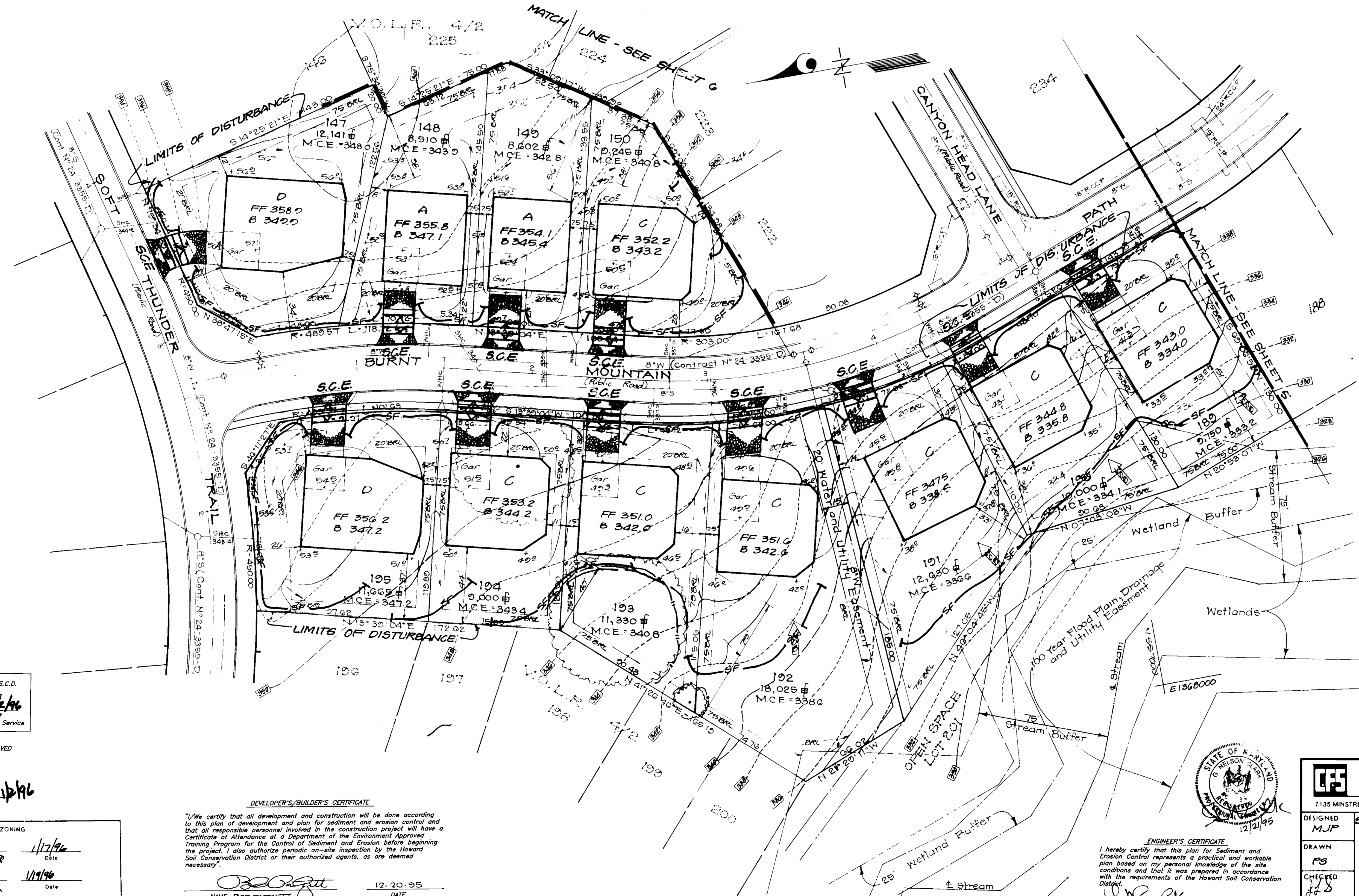
SUBMISSION NAME: COLUMBIA VILLAGE OF LONGREACH		SECTION/AREA: 4/2	LOTS/PARCELS: 147-150, 108, 109, 184-195, 222-234
PLAT NO.: 11500	BLOCK NO.:	TAX MAP NO.: 37	ELECTION DIST.: GTH
WATER CODE:		SEWER CODE:	

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

DESIGNED: MJP
DRAWN: PS
CHECKED: JTS
DATE: 12.21.95

SEDIMENT AND EROSION CONTROL AND DETAILS
SCALE: 1"=30'
LOTS 147-150, 108, 109, 184-195, 222-234
COLUMBIA VILLAGE OF LONGREACH
SECTION 4, AREA 2
SIXTH (6th) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: THE RYLAND GROUP, INC.
7130 Minstrel Way
Columbia, Md. 21043

FILE NO.: 95-060
DATE: 05-08C
SE



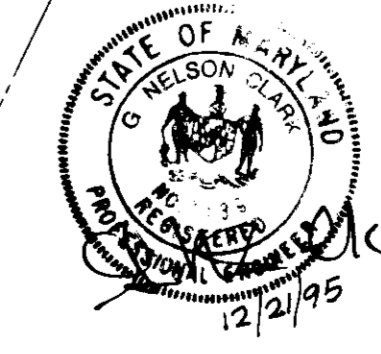
Reviewed for HOWARD S.C.D. and meets Technical Requirements
Robert Zichner 12/16/95
U.S. Natural Resources Conservation Service

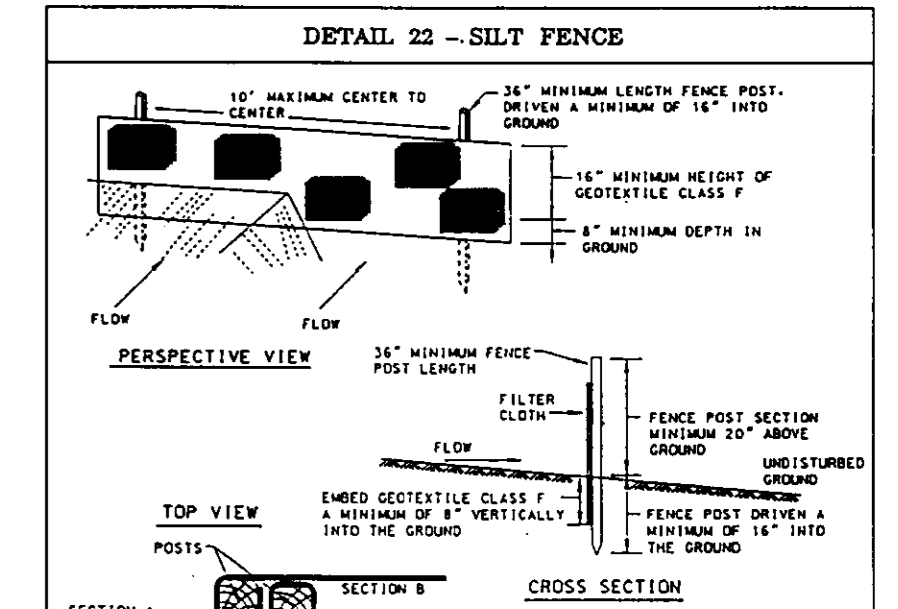
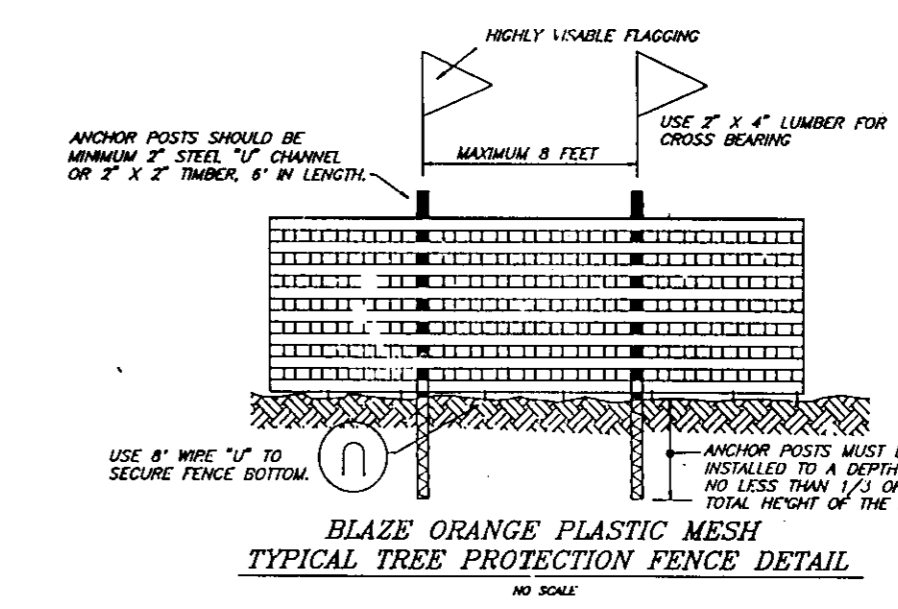
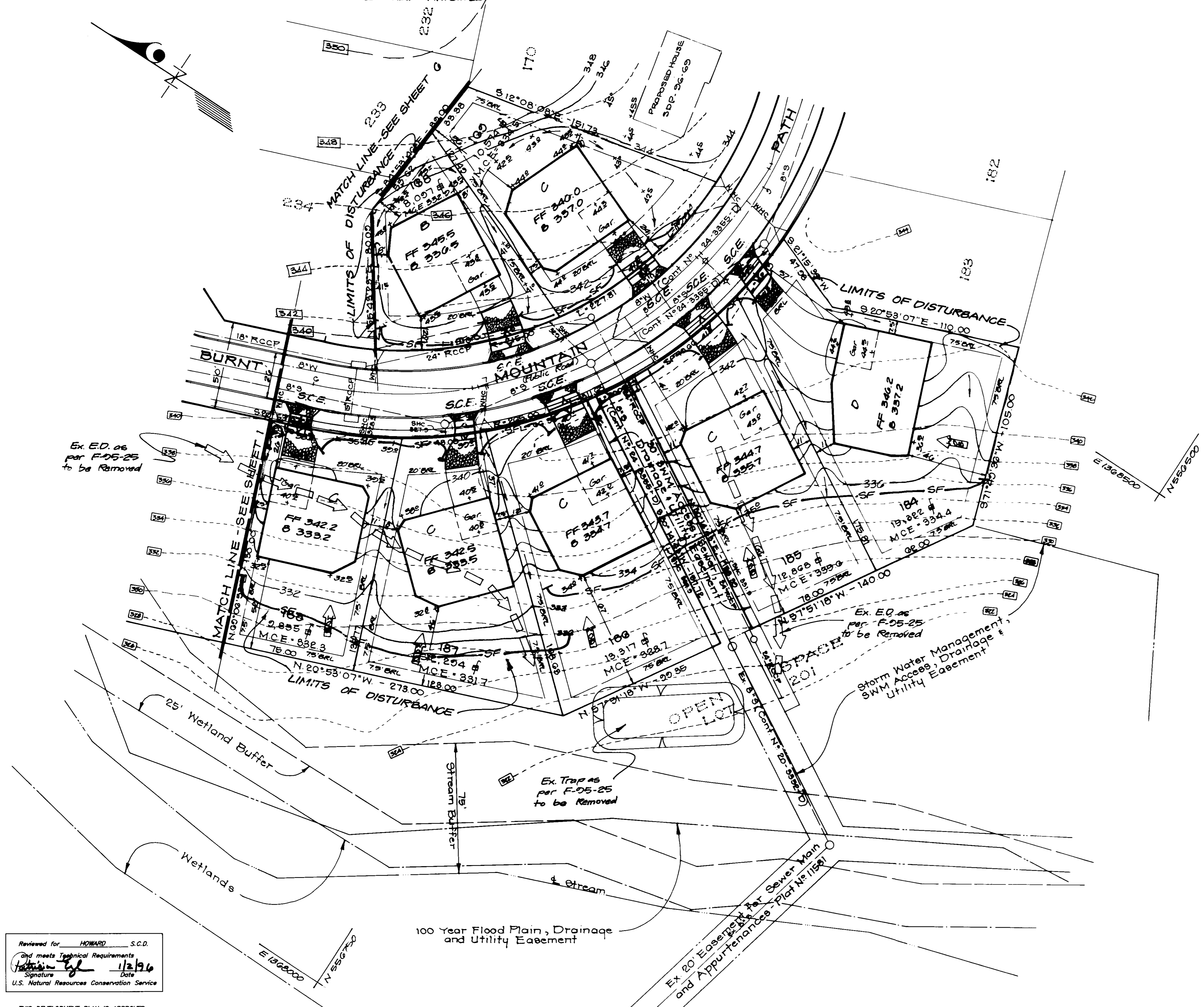
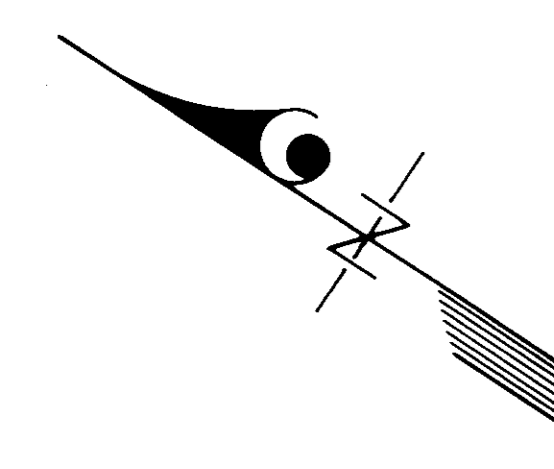
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Robert Zichner 12/16/95

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Jim Swannery 1/17/96
Chief, Development Engineering Division
Jim Swannery 1/19/96
Chief, Division of Land Development and Research
James Sackett 1/19/96
Director

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."
Bob Sackett 12.20.95
NAME: BOB SACKETT DATE: 12.20.95

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.
G. Nelson Clark 2.21.95
G. NELSON CLARK DATE: 2.21.95





NOTES:
1. Forest protection device only.
2. Retention area will be set as part of the reforestation process.
3. Boundaries of retention area should be staked and flagged prior to installing device.
4. Root damage should be avoided.
5. Protection signage may also be used.
6. Care should be maintained throughout construction.

Construction Specifications:
1. Fence posts shall be a minimum of 36" long driven 18" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum cut) or 1 1/2" diameter (minimum round one shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot.
2. Geotextile shall be fastened securely to each fence post with wire ties or staples at 100" on center and shall meet the following requirements for Geotextile Class F:
Tensile Strength 50 lbs/in (min.) Test: MMT 509
Tensile modulus 20 lbs/in (min.) Test: MMT 509
Flow Rate 0.2 gpm @ 15" water head Test: MMT 522
Filtering Efficiency 75% (min.) Test: MMT 522
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.

Reviewed for HOWARD S.C.D.
and meets Technical Requirements
Signature: *[Signature]* Date: 12/19/96
U.S. Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved: *[Signature]* 12/19/96

100 Year Flood Plain, Drainage and Utility Easement

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."
NAME: BOB PADGETT DATE: 12 20 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: 12 21 95

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

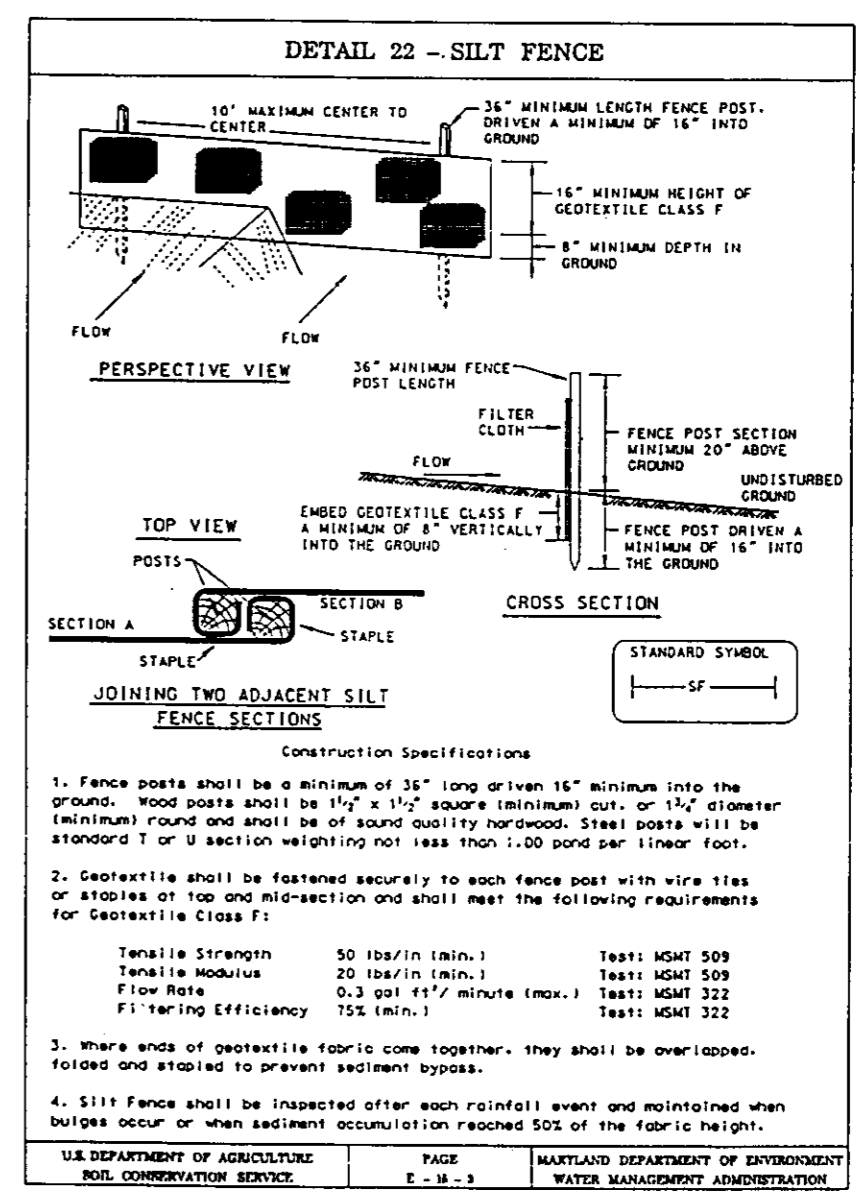
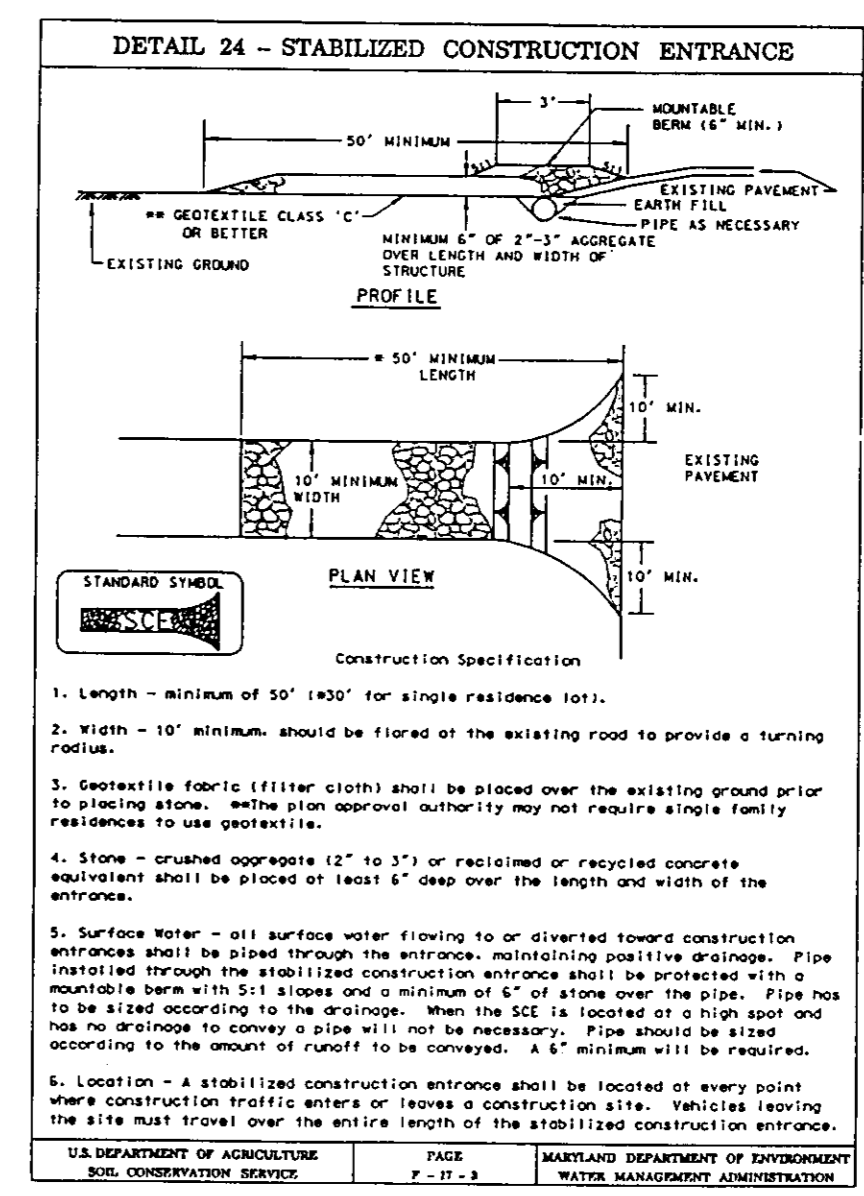


APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 1/17/96
Chief, Development Engineering Division
[Signature] 1/19/96
Chief, Division of Land Development and Research
[Signature] 1/19/96

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

DESIGNED MJP	SEDIMENT AND EROSION CONTROL AND DETAILS COLUMBIA VILLAGE OF LONGREACH SECTION 4 AREA 2 SIXTH (6TH) ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP, INC. 7130 Minstrel Way Columbia, Md. 21043	SCALE 1"=30'
DRAWN PS		DRAWING 5 OF 6
CHECKED JJS		JOB NO. 05-060
DATE 12-21-95		FILE NO. 05-060

SDP-06-54



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./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.)
- 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 15 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 soil. 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 the periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushels per acre of annual ryegrass (3.2 lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq.ft.). For the period November 1 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

Reviewed for HOWARD S.C.D. and meets Technical Requirements
Robert Zichner 12/19/96
 Signature Date
 U.S. Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Robert Zichner 12/19/96
 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."

Bob Padgett
 NAME BOB PADGETT DATE 12-20-95

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Jim Summerville 1/19/96
 Chief, Development Engineering Division Date

Jim Summerville 1/19/96
 Chief, Division of Land Development and Research Date

Robert Zichner 1/19/96
 Director 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 12-21-95
 G. NELSON CLARK DATE



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DESIGNED BY MJP
 DRAWN BY PS
 CHECKED BY JTS
 DATE 12-21-95

SEDIMENT AND EROSION CONTROL AND DETAILS
 LOTS 147-150, 168, 169, 184-195, 222-234

COLUMBIA VILLAGE OF LONGREACH
 SECTION 4 AREA 2
 SIXTH (6th) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE 1"=30'
 DRAWING G of G
 JOB NO. 95-000
 FILE NO. 95-000

FOR: THE RYLAND GROUP, INC.
 ONE LIBA BALTIMORE DIVISION
 144 YORK ROAD, SUITE 705
 LUTHERVILLE, MARYLAND 21093

SOP-96-54