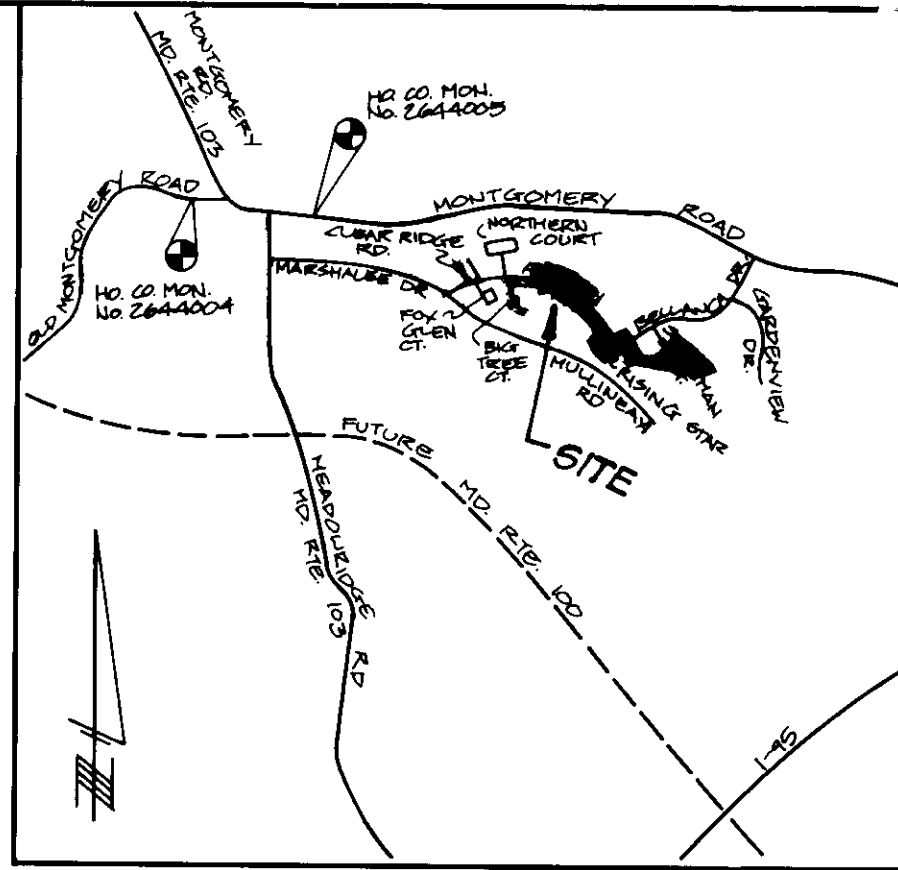
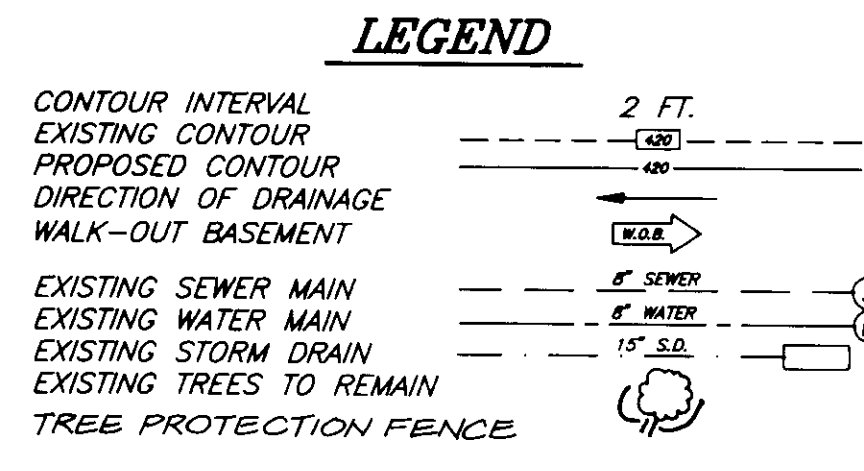
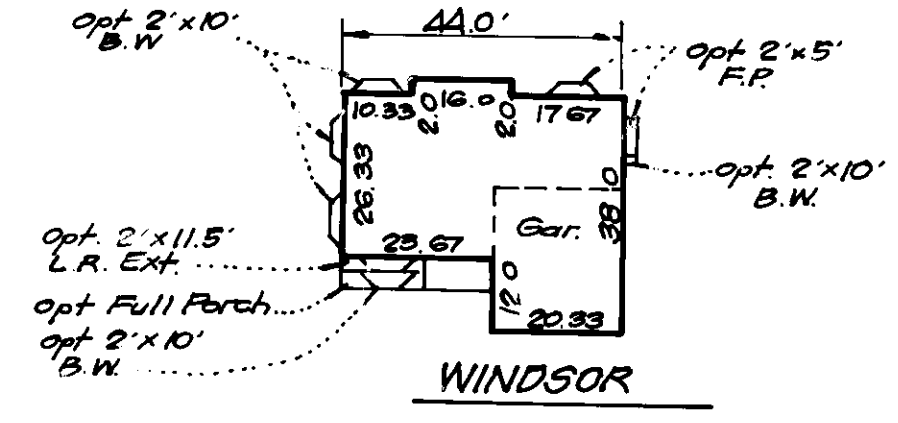


ADDRESS CHART		
LOT NUMBER	STREET ADDRESS	
64	5932	CLEAR RIDGE ROAD
273	5907	CLEAR RIDGE ROAD
274	5911	CLEAR RIDGE ROAD
275	5915	CLEAR RIDGE ROAD
276	5919	CLEAR RIDGE ROAD
277	5923	CLEAR RIDGE ROAD
278	5920	CLEAR RIDGE ROAD
279	5916	CLEAR RIDGE ROAD
280	5912	CLEAR RIDGE ROAD
281	5908	CLEAR RIDGE ROAD
282	5904	CLEAR RIDGE ROAD
283	5900	CLEAR RIDGE ROAD



- BENCHMARKS:**
- Howard County Monument No. 2644004, E.L. 402.135, Conc. Mon. O.L. below surface 20' corner of intersection Rte. 103 and Old Montgomery Rd.
 - Howard County Monument No. 2644005, E.L. 416.281, Conc. Mon. O.L. below surface South side Montgomery Rd. East of Meadouridge Rd.



- GENERAL NOTES:**
- Subject property is zoned: R-SC per 10-18-93 Comprehensive Zoning Plan.
 - The total area included in this submission is: 6.94 Ac.
 - The total number of lots included in this submission is: 54.
 - Improvement to Property: Single Family Detached.
 - Department of Planning reference file numbers: ZB 877 R/M W/P 01-33, F-91-23, F-91-125, Res 106, S-93-05, P-B 284 P-93-11, F-94-23, F-94-25, F-94-27.
 - No clearing, grading or construction is permitted within the wetlands and stream buffers.
 - Utilities shown as existing are taken from approved Water and Sewer plans Contract #14-3334-D and approved Road Construction Plans F-94-23 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-94-23 prepared by Land Design Engineering, 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 Monument Nos.: 2644004 & 2644005.
 - 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 Std. Details R-6.01, R-6.03 and R-6.05.
 - In accordance with Sections 128.A.1.b and .c of the 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; fireplaces may project not more than 18 inches into the rear setback.
 - Stormwater Management is provided per The Comprehensive Stormwater Management report by F-94-23 and F-94-25.

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-94-23 and/or approved Water and Sewer Plans Contract #14-3334-D.

SHEET INDEX

Sheets 1-4 Site Development Plan
Sheets 5-9 Sediment and Erosion Control Plan

OWNER / DEVELOPER

100 INVESTMENT LIMITED PARTNERSHIP
8635 P. Columbia 100 Parkway
Columbia, Maryland 21045

SUBDIVISION NAME	SECTION/AREA	LOTS 64, 105-114, 121, 123, 141-143, 273-283, 302-306 AND 315-336
LYNDWOOD MANOR	ONE/ONE	
PLAT NO.	BLOCK NO.	ZONE
11502, 11504-11506	9 & 10	R-SC
TAX MAP NO.	ELECTION DIST.	CENSUS TRACT
37	1ST	6011-02
WATER CODE	SEWER CODE	
D-04	2153800	



CLARK · FINEFROCK & SACKETT, INC.
ENGINEERS · PLANNERS · SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.

DESIGNED	JME	SITE DEVELOPMENT PLAN LOTS 64, 105-114, 121-123, 141-143, 273-283, 302-306 AND 315-336 LYNDWOOD MANOR SECTION ONE AREA ONE TAX MAP 37 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE	1" = 30'
DRAWN	LAI		DRAWING	1 OF 9
CHECKED	frw		JOB NO.	95-168
DATE			FILE NO.	95-168-X

FOR: PATRIOT HOMES
5485 HARPERS FARM ROAD
COLUMBIA, MARYLAND 21044

MINIMUM LOT SIZE CHART

LOT	ORIG. AREA	PISTEM REMAINING	100 YEAR FLOODPLAIN	55% SLOPES	MINIMUM LOT SIZE
108	22,810#	3,500#	19,310#	N/A	19,310#
109	20,170#	4,480#	15,690#	N/A	20,550#
110	19,890#	2,875#	17,015#	N/A	19,218#
112	24,200#	3,400#	20,800#	N/A	16,100#
113	31,020#	3,400#	27,620#	N/A	30,100#
114	16,070#	1,150#	14,920#	N/A	14,810#
115	16,510#	1,150#	15,360#	N/A	15,360#
116	8,425#	324#	8,101#	N/A	8,171#

APPROVED: DEPARTMENT OF PLANNING AND ZONING

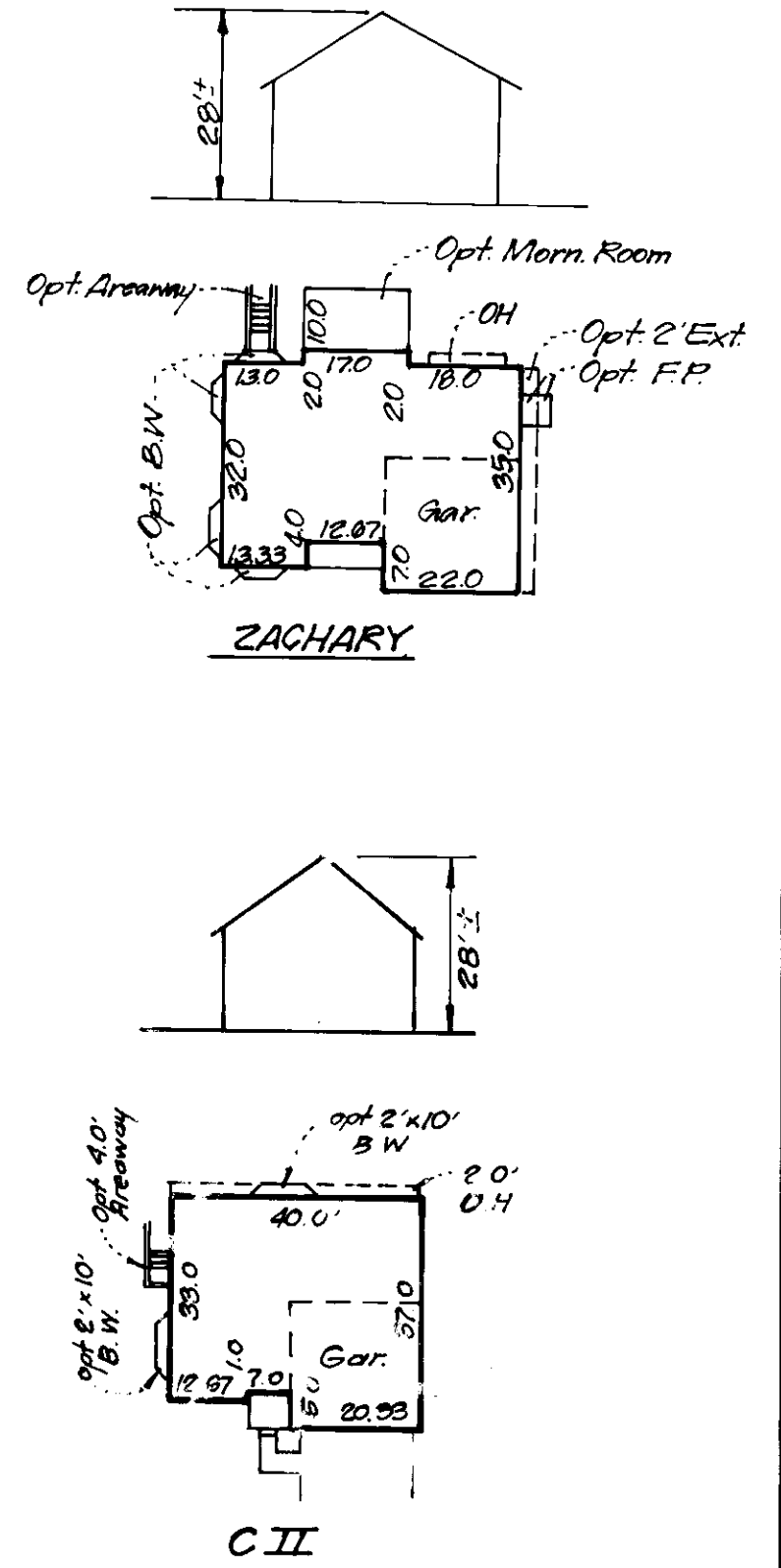
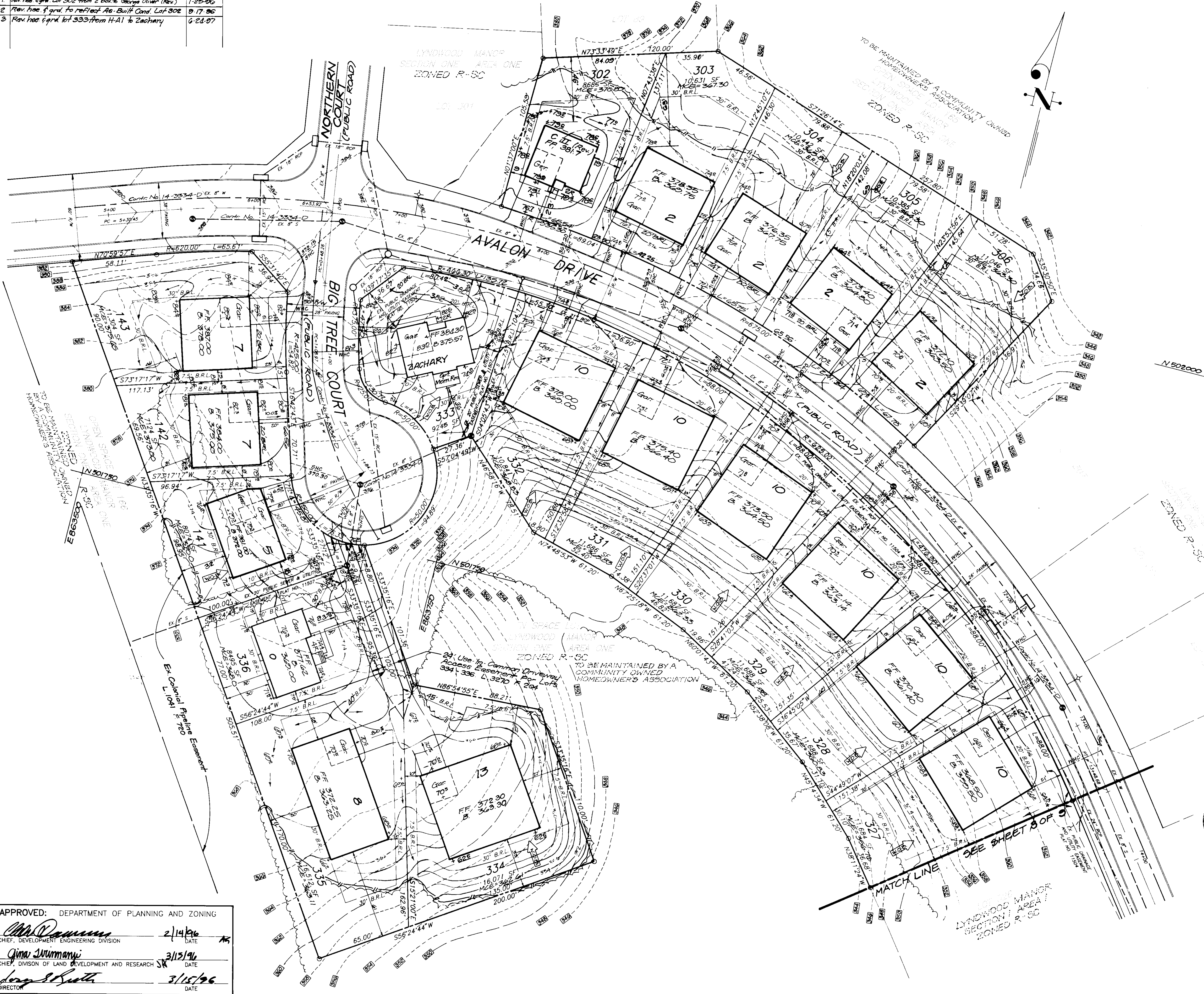
DATE: 2/14/96

DATE: 3/15/96

DATE: 3/15/96

No.	REVISIONS	DATE
1	Rev. base & grad. Lot 302 from 2 back to Georgia Oliver (Rev.)	1-25-06
2	Rev. base & grad. to reflect Ag-Built Cond. Lot 302	9-17-06
3	Rev. base & grad. lot 333 from H-A1 to Zachary	6-21-07

ADDRESS CHART		
LOT NUMBER	STREET ADDRESS	STREET ADDRESS
141	5908	BIG TREE COURT
142	5904	BIG TREE COURT
143	5900	BIG TREE COURT
302	5935	AVALON DRIVE
303	5939	AVALON DRIVE
304	5943	AVALON DRIVE
305	5947	AVALON DRIVE
306	5953	AVALON DRIVE
327	5968	AVALON DRIVE
328	5984	AVALON DRIVE
329	5980	AVALON DRIVE
330	5956	AVALON DRIVE
331	5946	AVALON DRIVE
332	5936	AVALON DRIVE
333	5901	BIG TREE COURT
334	5970	BIG TREE COURT
335	5916	BIG TREE COURT
336	5912	BIG TREE COURT

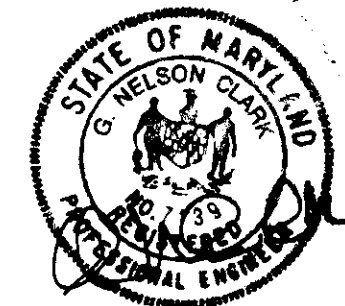


APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad R. ... 2/14/06 DATE AS
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

Quin ... 3/15/06 DATE SR
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

... 3/15/06 DATE
 DIRECTOR

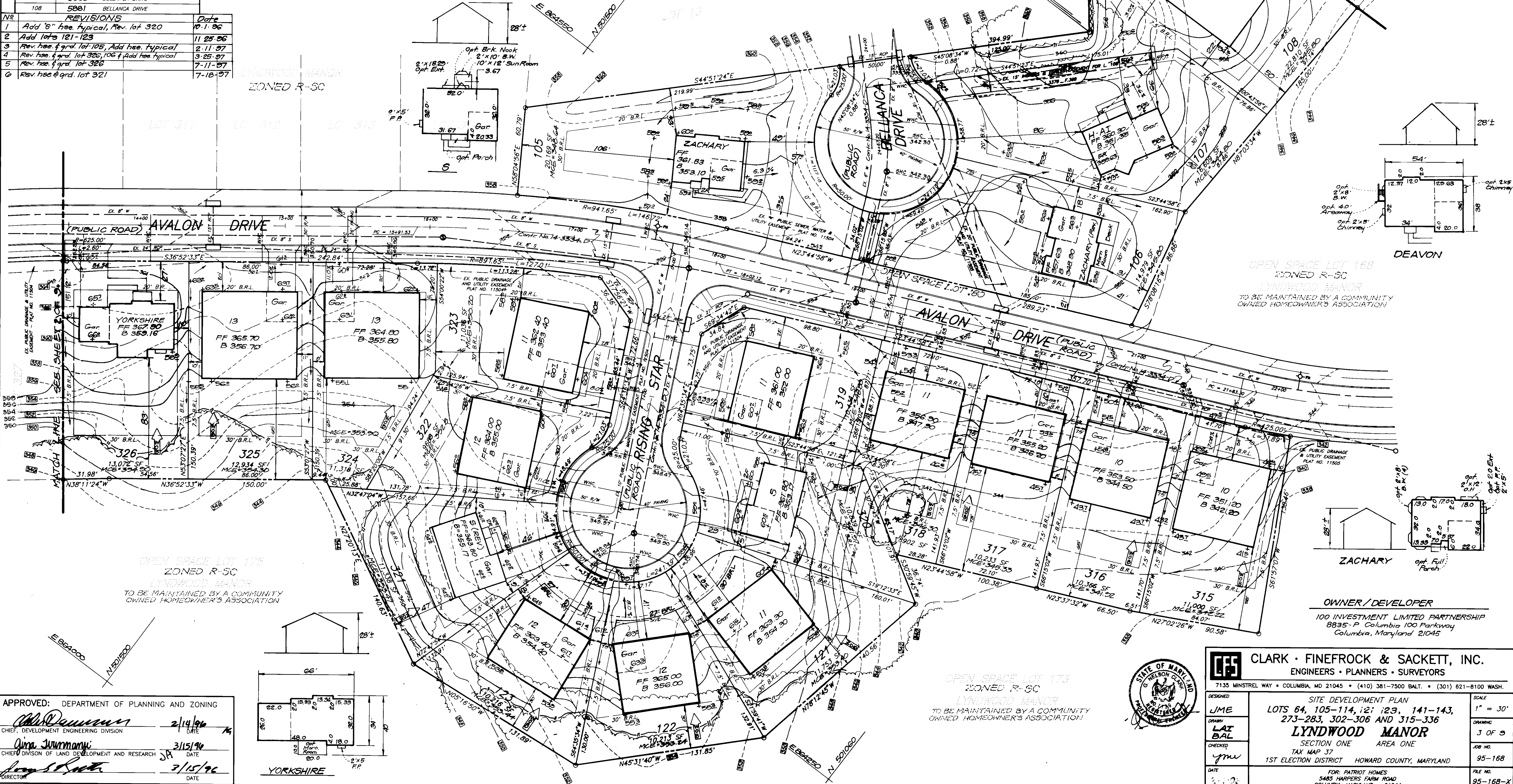
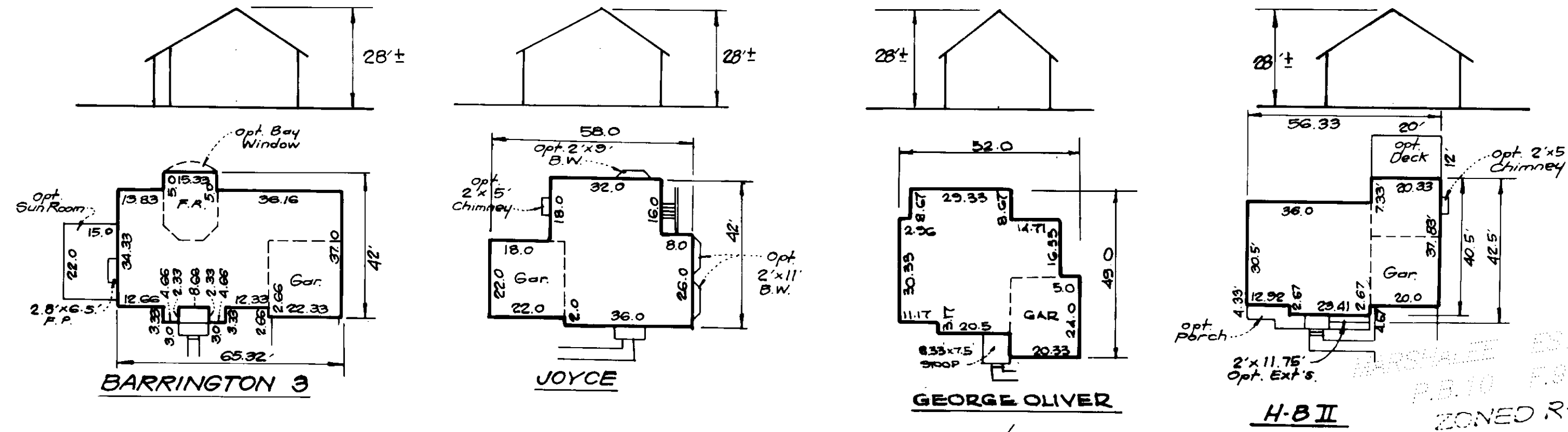


OWNER / DEVELOPER
 100 INVESTMENT LIMITED PARTNERSHIP
 8835-P Columbia 100 Parkway
 Columbia, Maryland 21045

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.		SCALE 1" = 30' DRAWING 2 OF 9 JOB NO. 95-168 FILE NO. 95-168-X
DESIGNED JME DRAWN LAZ BAL CHECKED jmu DATE 2-7-06	SITE DEVELOPMENT PLAN LOTS 64, 105-114, 141-143, 273-283, 302-306 AND 315-336 LYNDWOOD MANOR SECTION ONE AREA ONE TAX MAP 37 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: PATRIOT HOMES 5485 HARRERS FARM ROAD COLUMBIA, MARYLAND 21044	

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
326	5972 AVALON DRIVE
325	5976 AVALON DRIVE
324	5980 AVALON DRIVE
323	5900 RISING STAR
322	5904 RISING STAR
321	5908 RISING STAR
123	5912 RISING STAR
122	5913 RISING STAR
121	5909 RISING STAR
320	5905 RISING STAR
319	5901 RISING STAR
318	6004 AVALON DRIVE
317	6008 AVALON DRIVE
316	6012 AVALON DRIVE
315	6016 AVALON DRIVE
105	5893 AVALON DRIVE
106	5889 BELLANCA DRIVE
107	5885 BELLANCA DRIVE
108	5881 BELLANCA DRIVE

NO	REVISIONS	Date
1	Add 6" hse. typical, Rev. lot 320	10-1-96
2	Add lots 121-123	11-25-96
3	Rev. hse. f. grad. lot 105, Add hse. typical	2-11-97
4	Rev. hse. f. grad. lot 326, 106 f. Add hse. typical	3-25-97
5	Rev. hse. f. grad. lot 328	7-11-97
6	Rev. hse. f. grad. lot 321	7-18-97

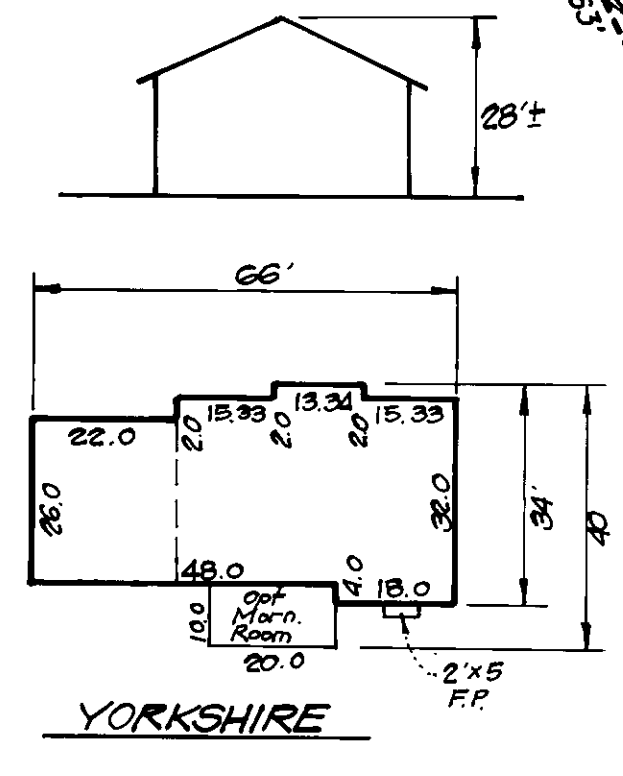


APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad Dammann 2/14/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Aina Summari 3/15/96
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

Scott S. Satt 3/15/96
 DIRECTOR DATE



CLARK · FINEFROCK & SACKETT, INC.
 ENGINEERS · PLANNERS · SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.

DESIGNED: JME
 DRAWN: LAI, BAL
 CHECKED: ymu
 DATE: 2-1-96

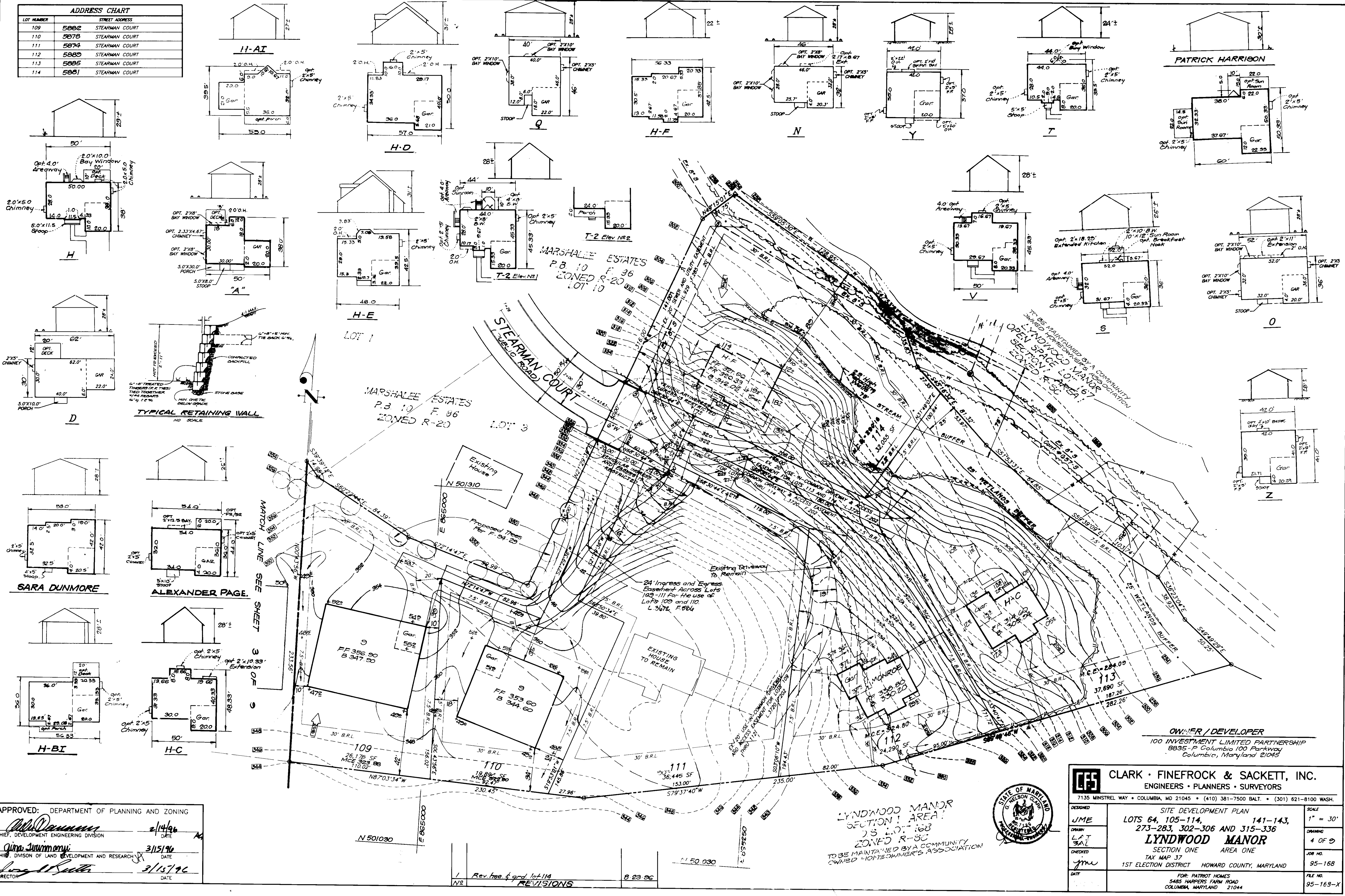
SITE DEVELOPMENT PLAN
 LOTS 64, 105-114, 121, 123, 141-143,
 273-283, 302-306 AND 315-336
LYNDWOOD MANOR
 SECTION ONE AREA ONE
 TAX MAP 37
 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 30'
 DRAWING: 3 OF 9
 JOB NO.: 95-168
 FILE NO.: 95-168-X

FOR: PATRIOT HOMES
 5485 HARRIS FARM ROAD
 COLUMBIA, MARYLAND 21044

OWNER/DEVELOPER
 100 INVESTMENT LIMITED PARTNERSHIP
 8835-P Columbia 100 Parkway
 Columbia, Maryland 21045

ADDRESS CHART		
LOT NUMBER	STREET ADDRESS	STREET ADDRESS
109	5882	STEARMAN COURT
110	5878	STEARMAN COURT
111	5874	STEARMAN COURT
112	5880	STEARMAN COURT
113	5885	STEARMAN COURT
114	5881	STEARMAN COURT



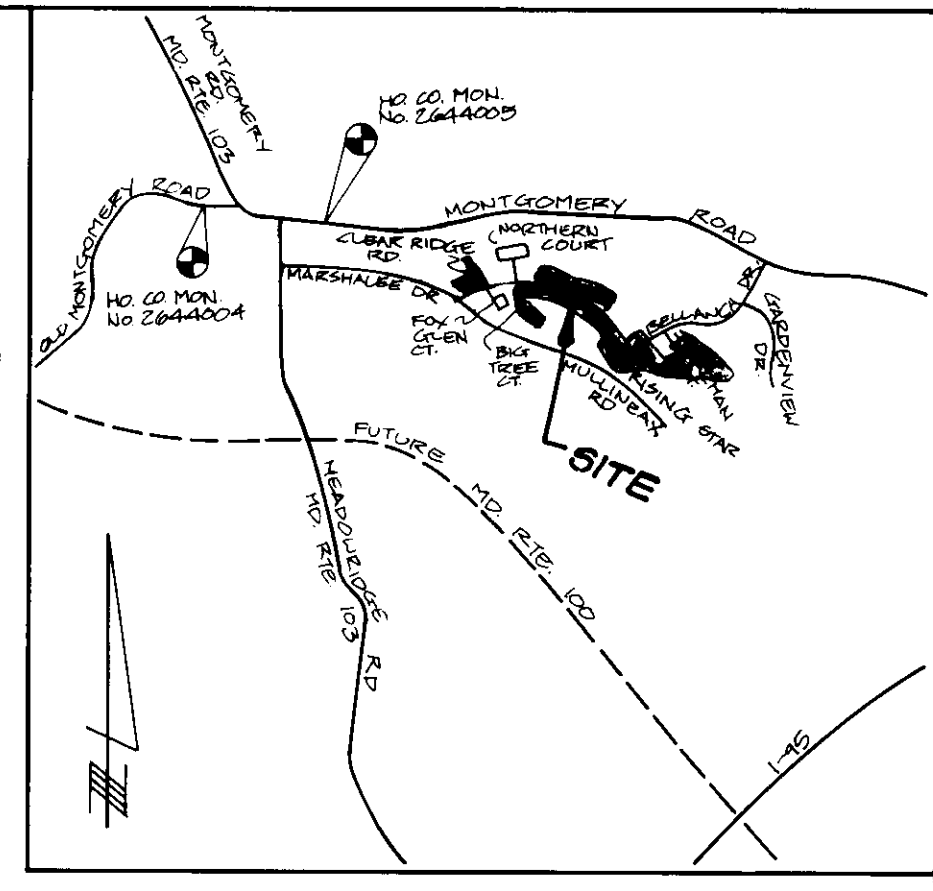
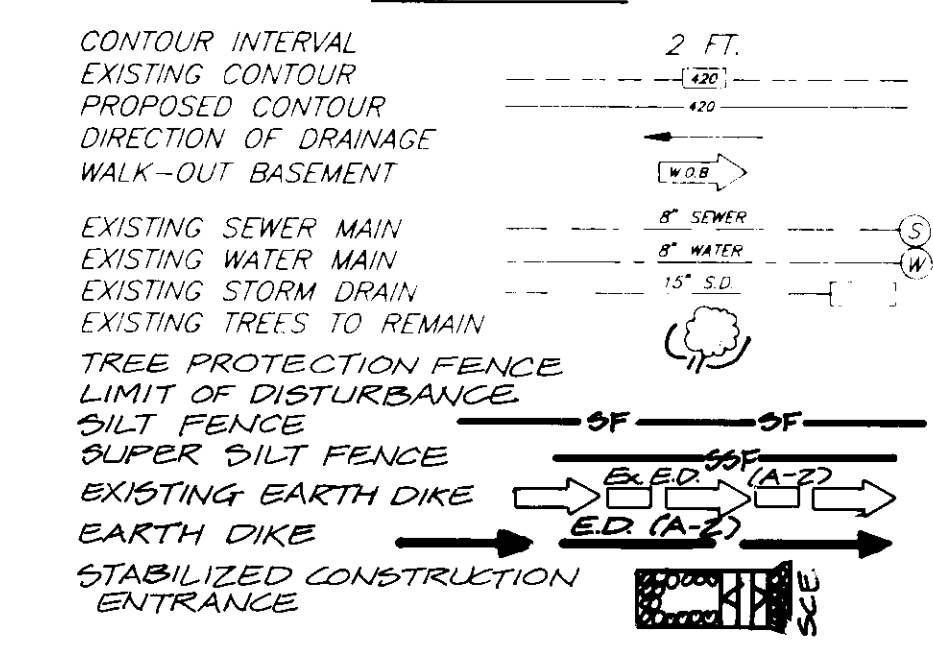
APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Date: 2/14/96
 Chief, Division of Land Development and Research
 Date: 3/15/96
 Director
 Date: 3/15/96

1 Rev. has 6 and lot 114
 2 REVISIONS
 8 23 96

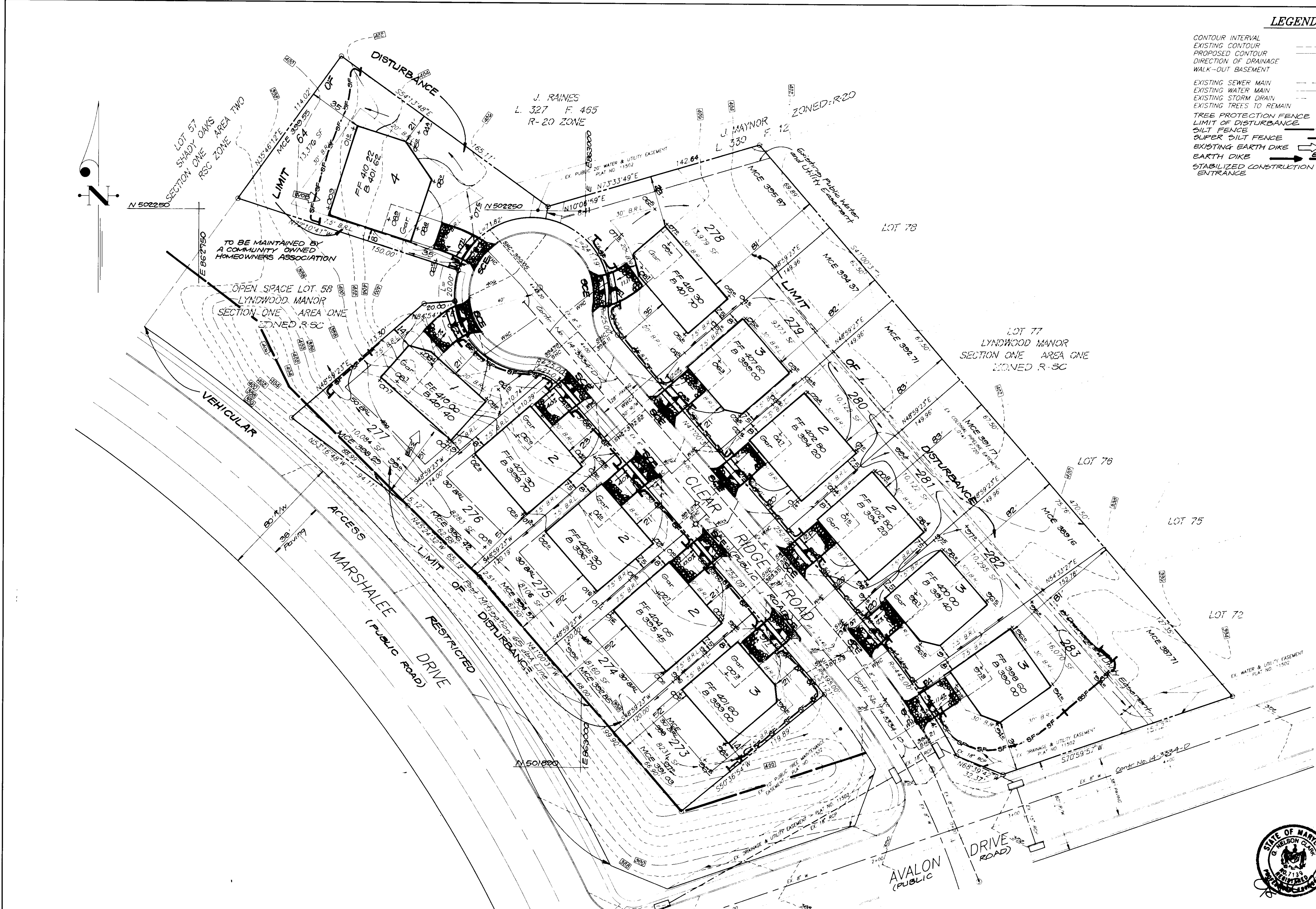


CLARK · FINEROCK & SACKETT, INC. ENGINEERS · PLANNERS · SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.		SCALE 1" = 30' DRAWING 4 OF 9 JOB NO. 95-168 FILE NO. 95-168-X
DESIGNED JME DRAWN LAL CHECKED jmc DATE 8/23/96	SITE DEVELOPMENT PLAN LOTS 64, 105-114, 141-143, 273-283, 302-306 AND 315-336 LYNDWOOD MANOR SECTION ONE AREA ONE TAX MAP 37 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: PATRIOT HOMES 5485 HARRIS FARM ROAD COLUMBIA, MARYLAND 21044	OWNER / DEVELOPER 100 INVESTMENT LIMITED PARTNERSHIP 8835-P Columbia 100 Parkway Columbia, Maryland 21045

LEGEND



VICINITY MAP
SCALE: 1"=2000'



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 2/14/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 3/15/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
 [Signature] 3/15/96
 DIRECTOR

Reviewed for HOWARD S.C.D. and meets Technical Requirements.
 [Signature] 2/15/96
 Signature Date
 U.S. Natural Resources Conservation Service

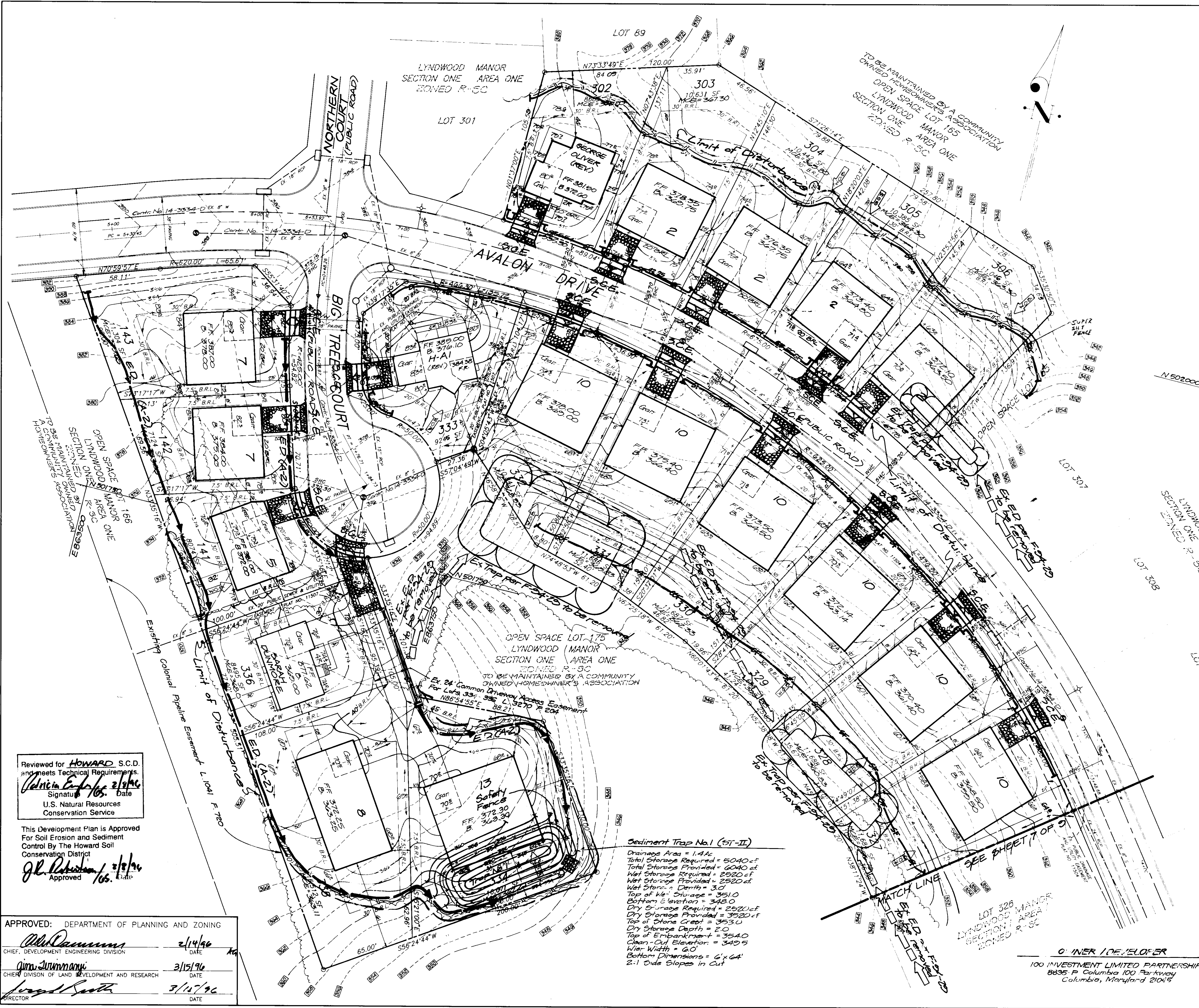
This Development Plan is Approved For Soil Erosion and Sediment Control By The Howard Soil Conservation District
 [Signature] 2/15/96
 Approved Date

DEVELOPER'S/BUILDER'S CERTIFICATE
 I hereby certify that I have given and will continue to give adequate provision for this plan of development and plan to provide and maintain control over the construction of the project and to ensure that the project is constructed in accordance with the approved plan and that the project is constructed in accordance with the approved plan and that the project is constructed in accordance with the approved plan.
 [Signature] 11-27-95
 RW Kunkle



ENGINEERS' CERTIFICATE
 I hereby 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.
 [Signature] 11-27-95
 Nelson Clark Date

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.		
DESIGNED	ZAL	SCALE: 1" = 30'
DRAWN	BAL	DRAWING: 5 OF 9
CHECKED	[Signature]	JOB NO.: 95-168
DATE	11-27-95	FILE NO.: 95-168-6E
PROJECT: SEDIMENT & EROSION CONTROL PLAN LOTS 64, 105-114, 141-143, 273-283, 302-306 AND 315-336 LYNDWOOD MANOR SECTION ONE AREA ONE TAX MAP 37 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: PATRIOT HOMES 5485 HARPER'S FARM ROAD COLUMBIA, MARYLAND 21044		



DEVELOPER'S/BUILDERS CERTIFICATE

"We certify that all development and construction will be done according to the plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. 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 Howard Soil Conservation District or their authorized agencies, as are deemed necessary."

[Signature] 11-27-95
 Signature of Developer/Builder Date



ENGINEER'S CERTIFICATE

I hereby 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.

[Signature] 11-27-95
 G. NELSON CLARK Date

Reviewed for HOWARD S.C.D. and meets Technical Requirements.
[Signature] 11/27/95 Date
 U.S. Natural Resources Conservation Service

This Development Plan is Approved For Soil Erosion and Sediment Control By The Howard Soil Conservation District
[Signature] 11/27/95 Date
 Approved

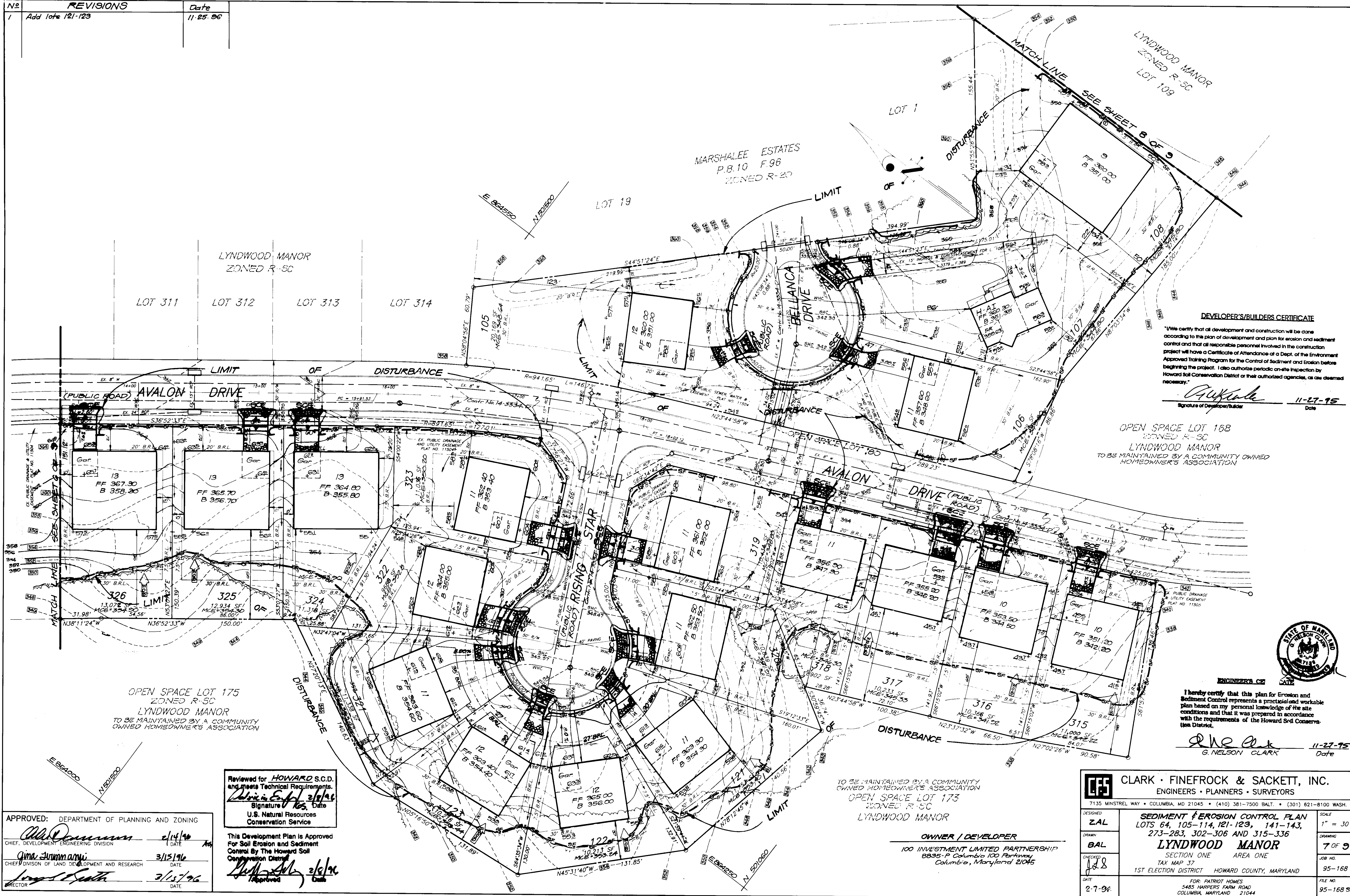
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>[Signature]</i>	2/14/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	3/15/96
CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH	DATE
<i>[Signature]</i>	3/15/96
DIRECTOR	DATE

Sediment Trap No. 1 (51-II)
 Drainage Area = 1.44c
 Total Storage Required = 5040 cf
 Total Storage Provided = 6040 cf
 Wet Storage Required = 2520 cf
 Wet Storage Provided = 2520 cf
 Wet Storage Depth = 3.0'
 Top of Wet Storage = 351.0
 Bottom Elevation = 348.0
 Dry Storage Required = 2520 cf
 Dry Storage Provided = 3520 cf
 Top of Storm Crest = 353.0
 Dry Storage Depth = 2.0'
 Top of Embankment = 354.0
 Clean-Out Elevation = 349.5
 Water Width = 6.0'
 Bottom Dimensions = 6' x 64'
 2:1 Side Slopes in Cut

OWNER/DEVELOPER
 100 INVESTMENT LIMITED PARTNERSHIP
 8835 P. Columbia 100 Parkway
 Columbia, Maryland 21045

CLARK · FINEFROCK & SACKETT, INC. ENGINEERS · PLANNERS · SURVEYORS			
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.			
DESIGNED	ZAL	SEDIMENT and EROSION CONTROL PLAN	SCALE 1" = 30'
DRAWN	MCR	LOTS 64, 105-114, 141-143, 273-283, 302-306 AND 315-336	DRAWING 6 OF 9
CHECKED	AdS	LYNDWOOD MANOR	JOB NO. 95-168
DATE	11-27-95	SECTION ONE AREA ONE TAX MAP 37	FILE NO. 95-168B
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND			
FOR: PATRIOT HOMES 5485 HARPERS FARM ROAD COLUMBIA, MARYLAND 21044			

Nº	REVISIONS	Date
1	Add lots 121-123	11-25-96



DEVELOPER'S/BUILDERS CERTIFICATE

"We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. 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 Howard Soil Conservation District or their authorized agencies, as deemed necessary."

[Signature] 11-27-95
Signature of Developer/Builder Date

OPEN SPACE LOT 168
ZONED R-5C
LYNDWOOD MANOR
TO BE MAINTAINED BY A COMMUNITY OWNED HOMEOWNERS ASSOCIATION

OPEN SPACE LOT 175
ZONED R-5C
LYNDWOOD MANOR
TO BE MAINTAINED BY A COMMUNITY OWNED HOMEOWNERS ASSOCIATION

TO BE MAINTAINED BY A COMMUNITY OWNED HOMEOWNERS ASSOCIATION
OPEN SPACE LOT 173
ZONED R-5C
LYNDWOOD MANOR

ENGINEER'S CERTIFICATE

I hereby 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.

[Signature] 11-27-95
G. NELSON CLARK Date



Reviewed for HOWARD S.C.D. and meets Technical Requirements.
[Signature] 3/15/96
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
[Signature] 3/15/96
Approved Date

APPROVED: DEPARTMENT OF PLANNING AND ZONING

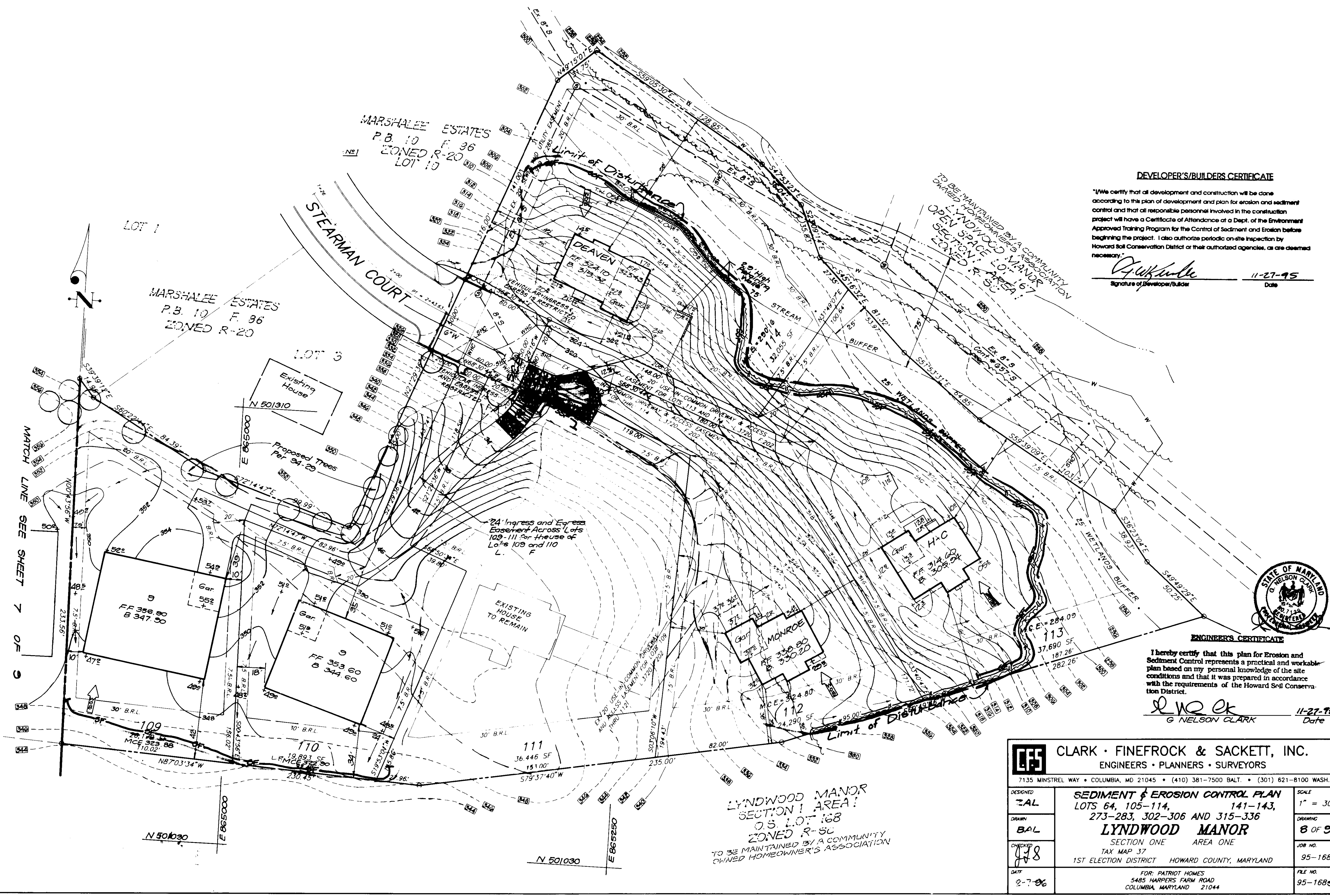
[Signature] 2/14/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 3/15/96
CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

[Signature] 3/15/96
DIRECTOR DATE

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS		7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.
DESIGNED ZAL	SEDIMENT EROSION CONTROL PLAN LOTS 64, 105-114, 121-123, 141-143, 273-283, 302-306 AND 315-336 LYNDWOOD MANOR SECTION ONE AREA ONE TAX MAP 37 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN BAL		DRAWING 7 OF 9
CHECKED <i>[Signature]</i>	DATE 2-7-96	JOB NO. 95-168 FILE NO. 95-168 SE

OWNER / DEVELOPER
100 INVESTMENT LIMITED PARTNERSHIP
8835 - P. Columbia 100 Parkway
Columbia, Maryland 21045



DEVELOPER'S/BUILDERS CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. 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 Howard Soil Conservation District or their authorized agencies, as are deemed necessary."

[Signature]
 Signature of Developer/Builder
 11-27-95
 Date



ENGINEER'S CERTIFICATE

"I hereby 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."

[Signature]
 G NELSON CLARK
 11-27-95
 Date

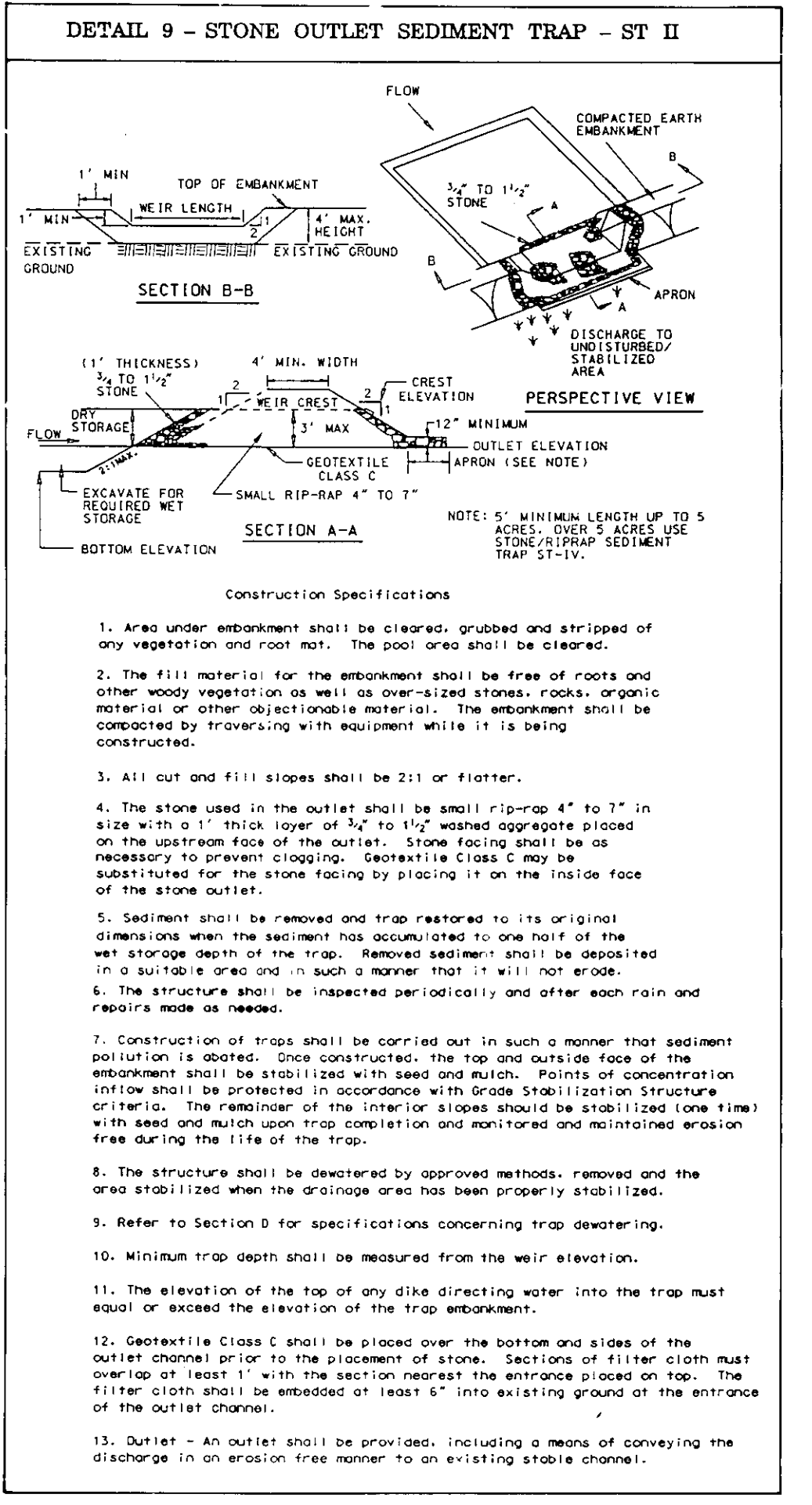
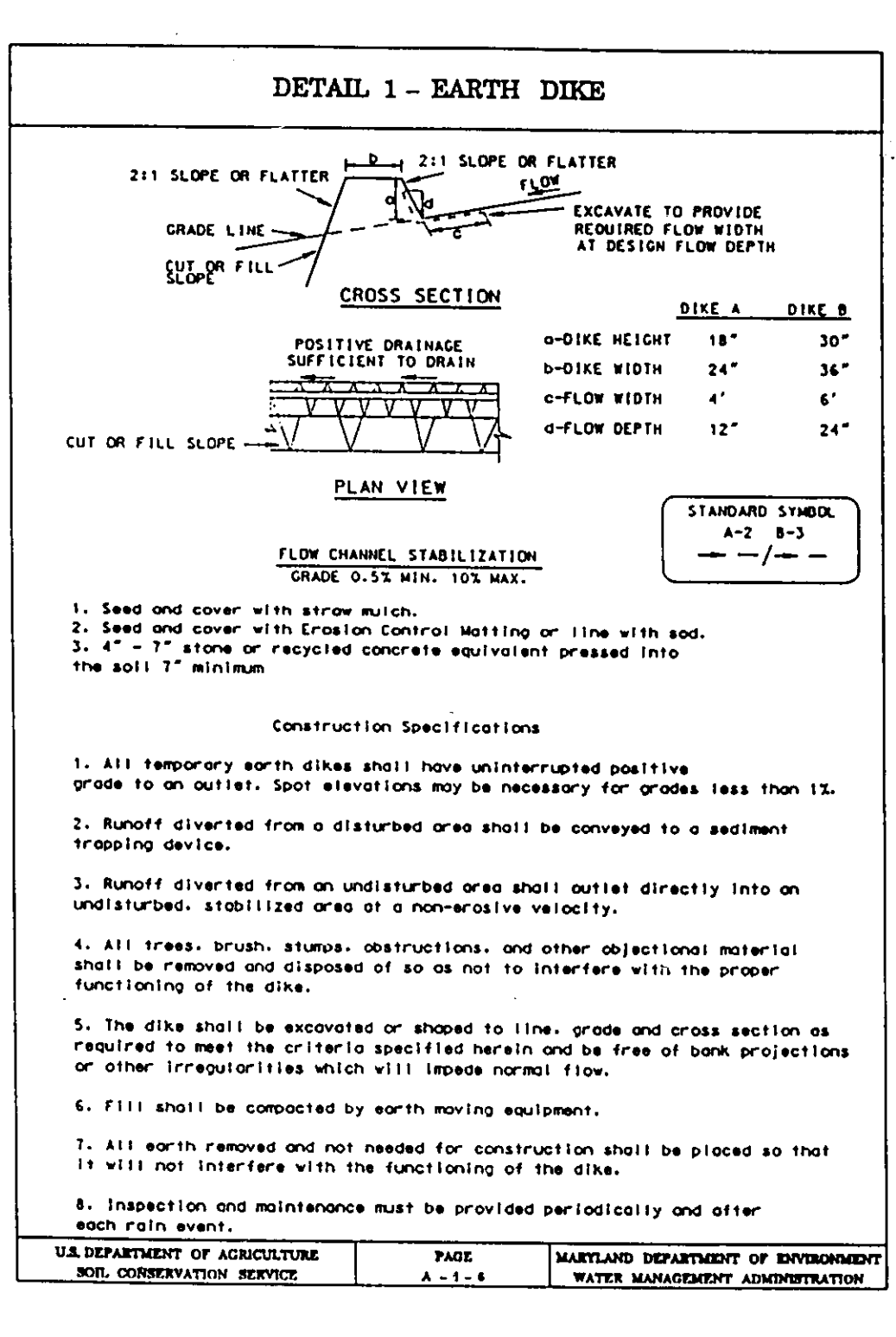
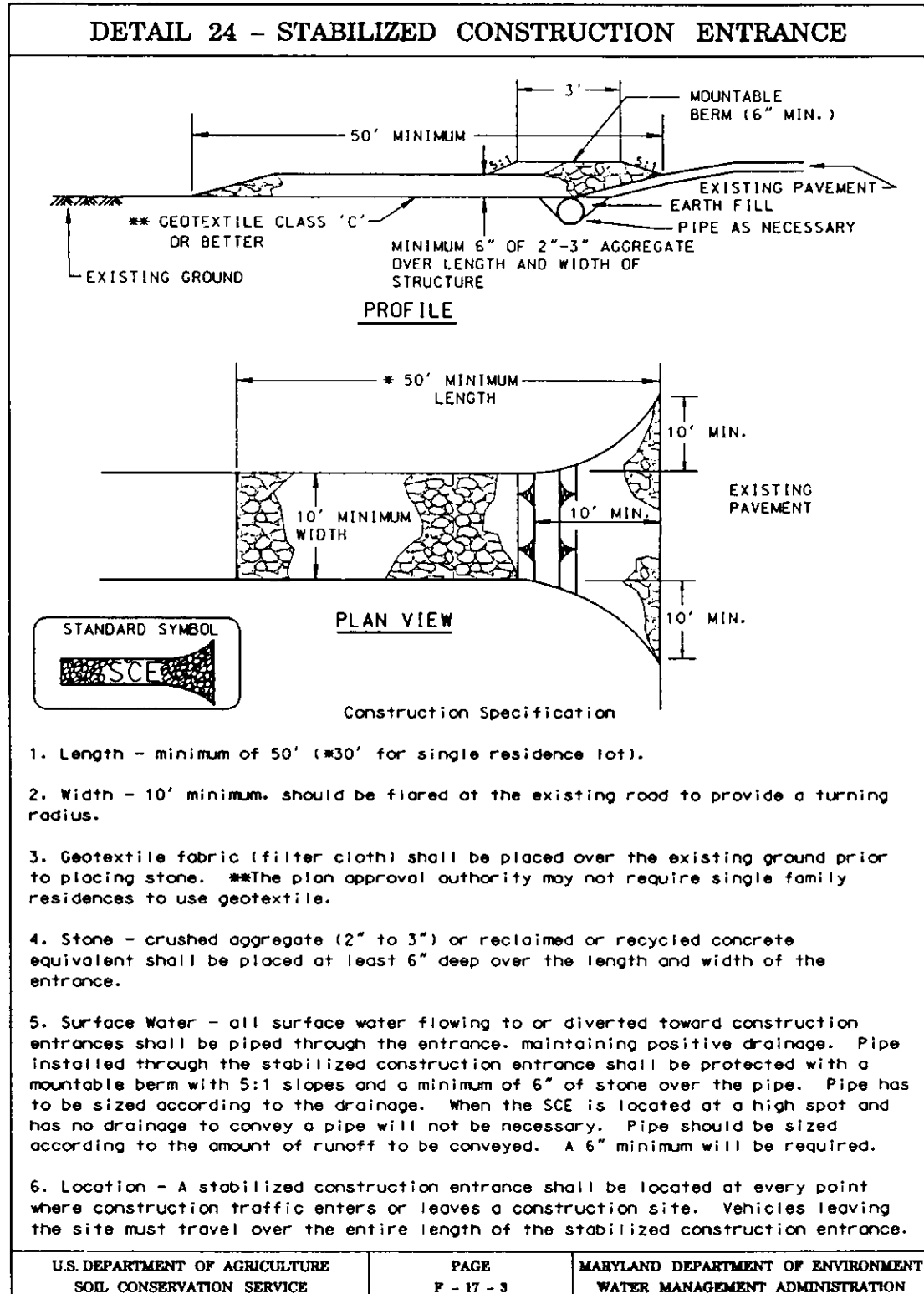
Reviewed for Howard S.C.D. and meets Technical Requirements.
[Signature]
 Signature Date
 U.S. Natural Resources Conservation Service

This Development Plan is Approved For Soil Erosion and Sediment Control By The Howard Soil Conservation District.
[Signature]
 Approved 11/15/95
 Date

APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>[Signature]</i>	2/14/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	3/15/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	DATE
<i>[Signature]</i>	3/15/96
DIRECTOR	DATE

CF	CLARK · FINEFROCK & SACKETT, INC.		SCALE 1" = 30'
	ENGINEERS · PLANNERS · SURVEYORS		
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.			
DESIGNED ZAL	SEDIMENT & EROSION CONTROL PLAN		DRAWING B OF 9
DRAWN BAL	LOTS 64, 105-114, 141-143, 273-283, 302-306 AND 315-336		
CHECKED JJS	LYNDWOOD MANOR		JOB NO. 95-168
DATE 2-7-96	SECTION ONE AREA ONE		
TAX MAP 37			
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND			
FOR: PATRIOT HOMES 5485 HARPERS FARM ROAD COLUMBIA, MARYLAND 21044			
FILE NO. 95-1680E			

LYNDWOOD MANOR
 SECTION 1 AREA 1
 O.S. LOT 168
 ZONED R-5C
 TO BE MAINTAINED BY A COMMUNITY OWNED HOMEOWNER'S ASSOCIATION



SEDIMENT AND EROSION 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. (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 1983 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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
 - 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 perimeters 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 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 rates 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:	16.94 AC
Area Disturbed:	13.30 AC
Area to be roofed or paved:	3.98 AC
Area to be vegetatively stabilized:	2.92 AC
Total Cut:	7894 CY
Total Fill:	35,253 CY
Offsite Waste/Borrow Area Location:	* SITE WITH
- 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.
- The total amount of silt fence = 6280 LF
The total amount of super silt fence = 7780 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.

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.

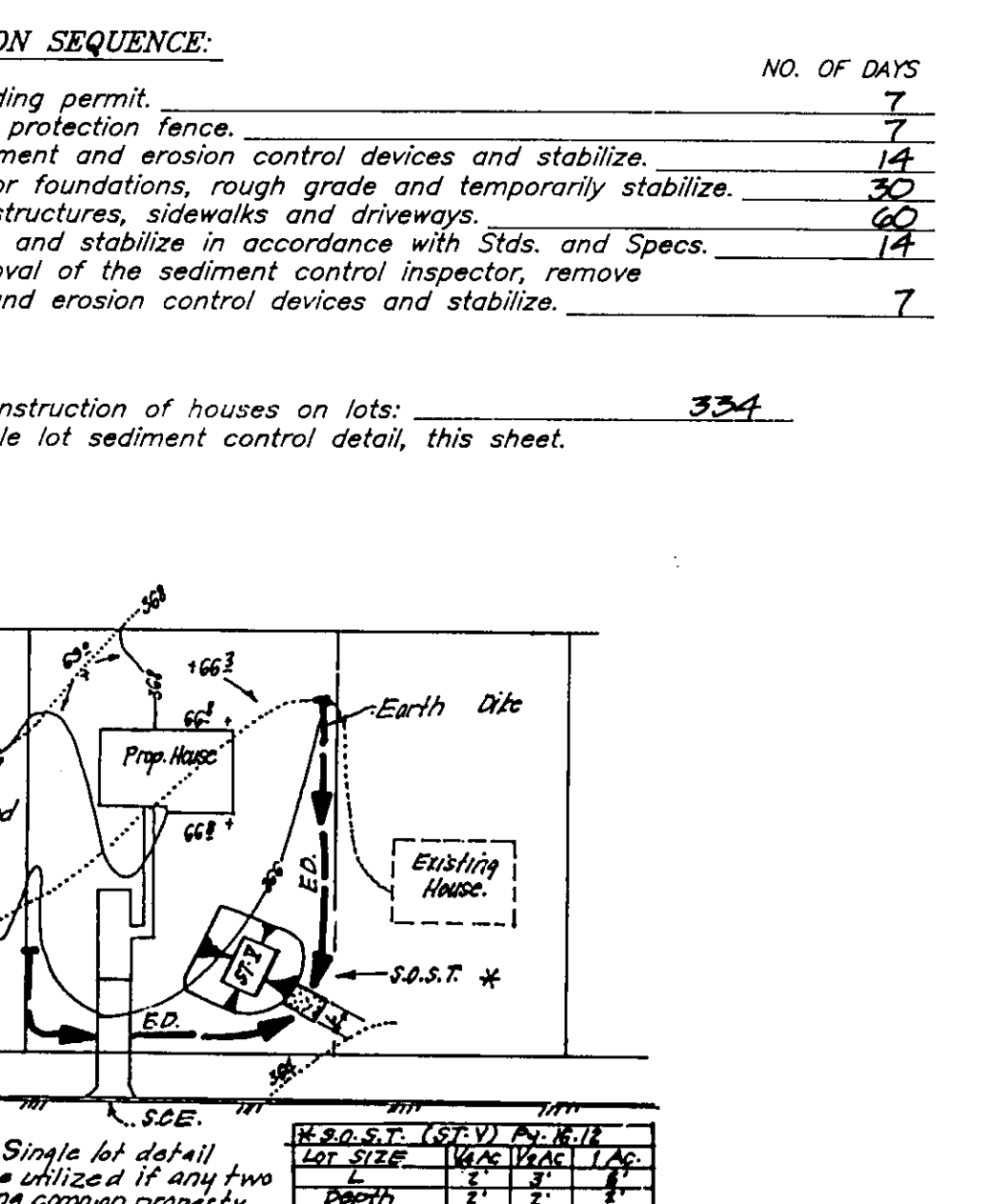
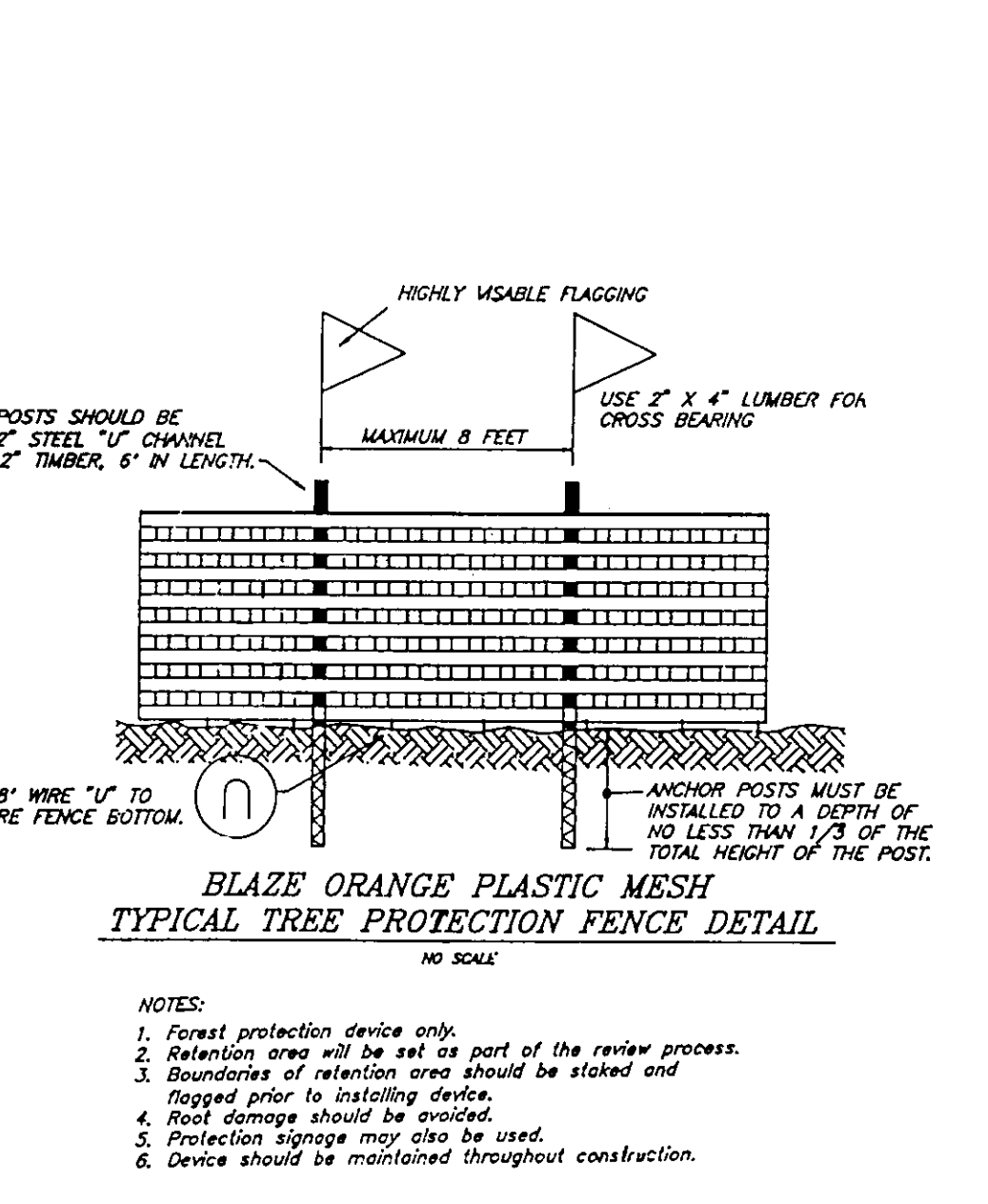
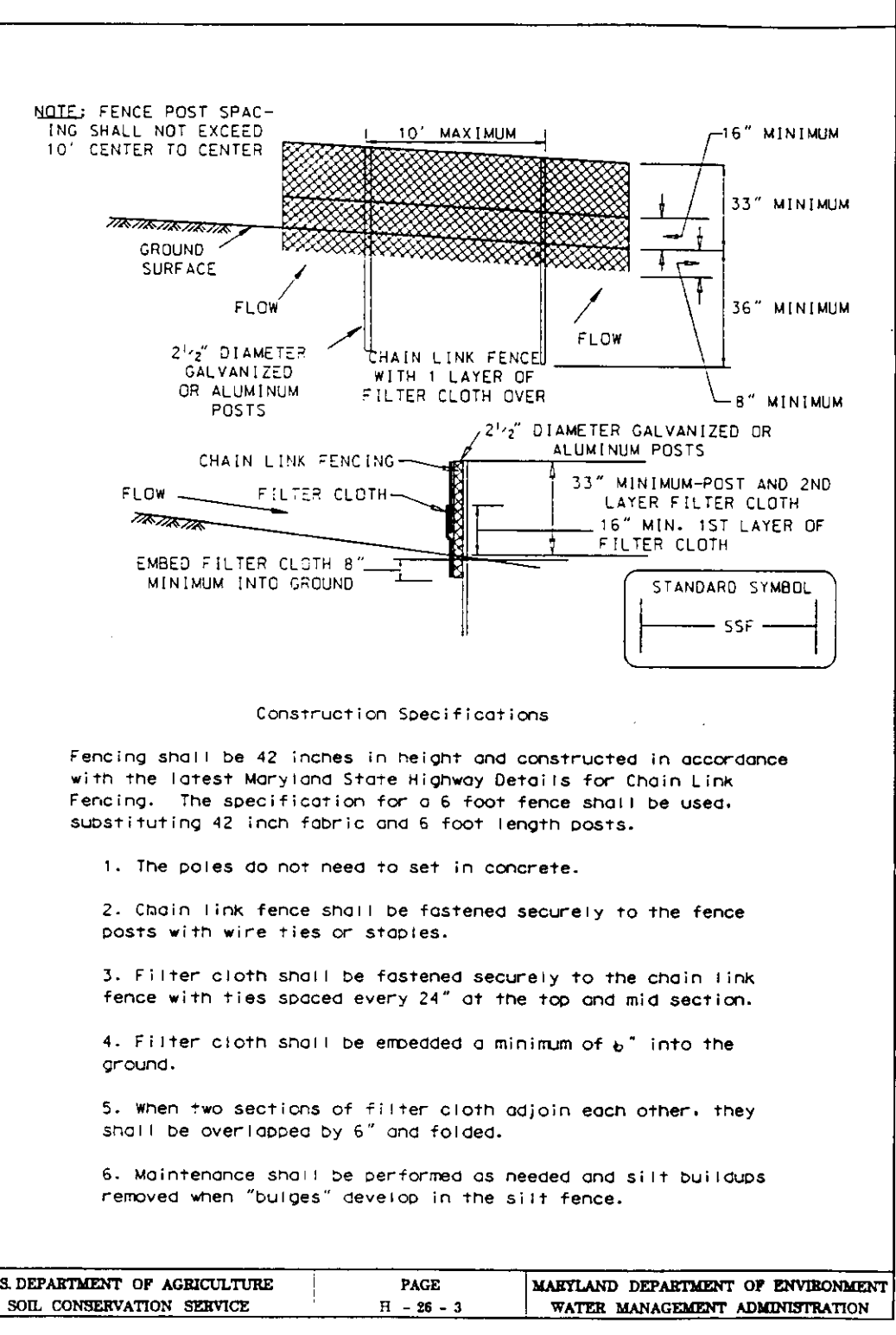
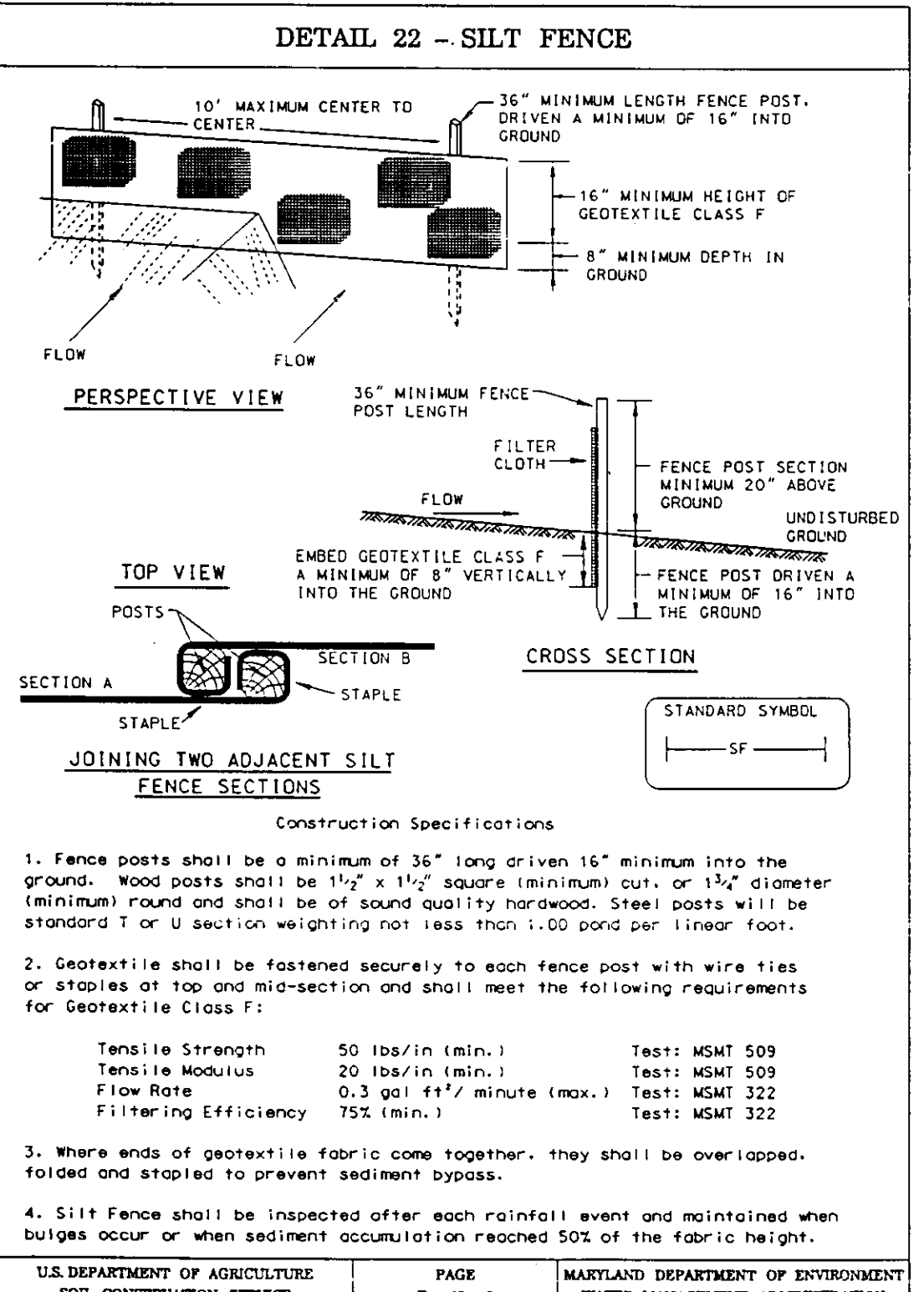
SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- 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 (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 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, 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 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

CONSTRUCTION SEQUENCE

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

* Delay construction of houses on lots: 334
See single lot sediment control detail, this sheet.

REVISIONS

No	REVISIONS	Date
1	Rev. of E Notes to include lots 121-123	11-25-96

OWNER / DEVELOPER
100 INVESTMENT LIMITED PARTNERSHIP
8835-F Columbia 100 Parkway
Columbia, Maryland 21045

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chief, Development Engineering Division
Date: 2/14/96
AG

Chief, Division of Land Development and Research
Date: 3/15/96

Director
Date: 3/15/96

Reviewed for: HOWARD S.C.D.
and meets Technical Requirements
Signature: [Signature]
Date: 2/14/96
Natural Resources Conservation Service

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

J.R. Rendon/66. 2/10/96
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."

R.W. Kunkin
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.

G. NELSON CLARK
Date: 11-27-95



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

DESIGNED: ZAL
DRAWN: MCR
CHECKED: JAS
DATE: 2-7-96

SCALE: AS NOTED
DRAWING: 9 OF 9
JOB NO.: 95-168
FILE NO.: 95-168

FOR: PATRIOT HOMES
5485 HARPERS FARM ROAD
COLUMBIA, MARYLAND 21044