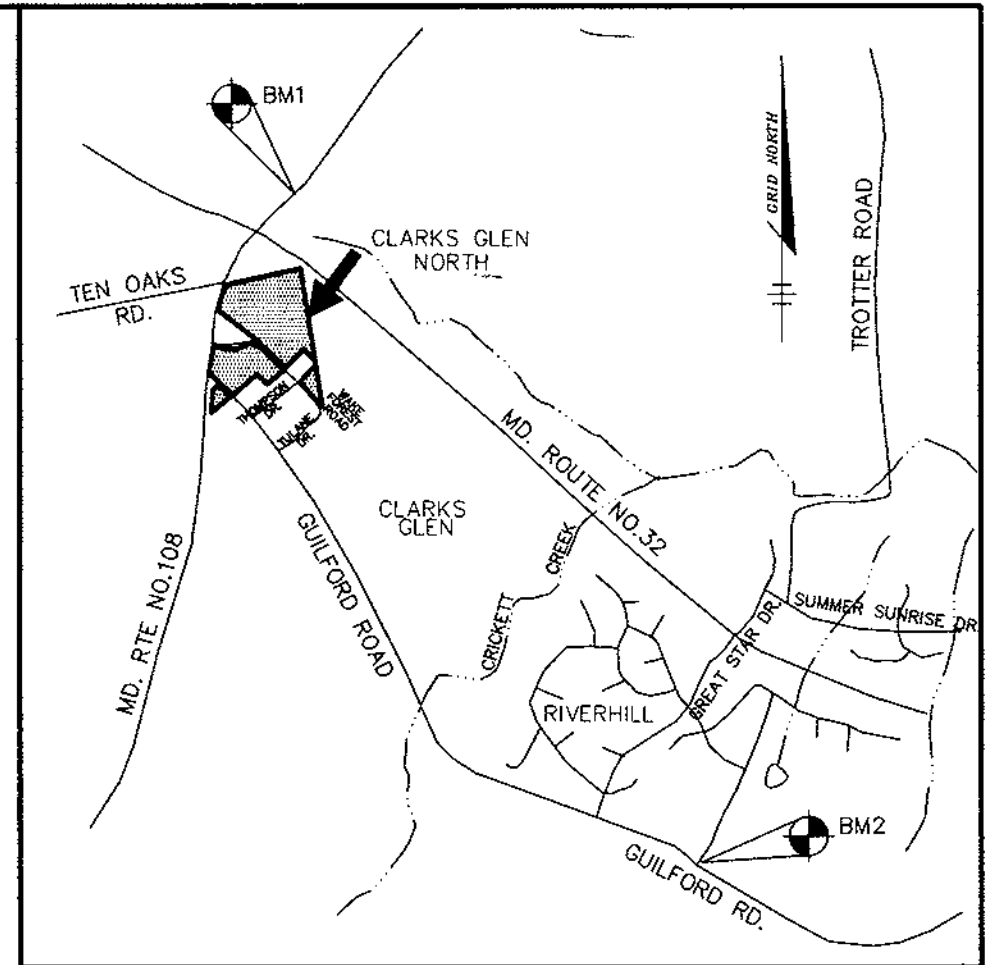


SHEET INDEX	
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN LOTS 1-17
3	SITE DEVELOPMENT PLAN LOTS 18-26
4	SITE DEVELOPMENT PLAN LOTS 27-38
5	GRADINGS & SEDIMENT CONTROL PLAN
6	GRADINGS & SEDIMENT CONTROL PLAN
7	GRADINGS & SEDIMENT CONTROL PLAN
8	NOTES AND DETAILS
9	HOUSE DETAILS

# CLARKS GLEN NORTH SITE DEVELOPMENT PLAN

LOTS 1 - 38  
5th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND



VICINITY MAP  
SCALE: 1" = 2000'

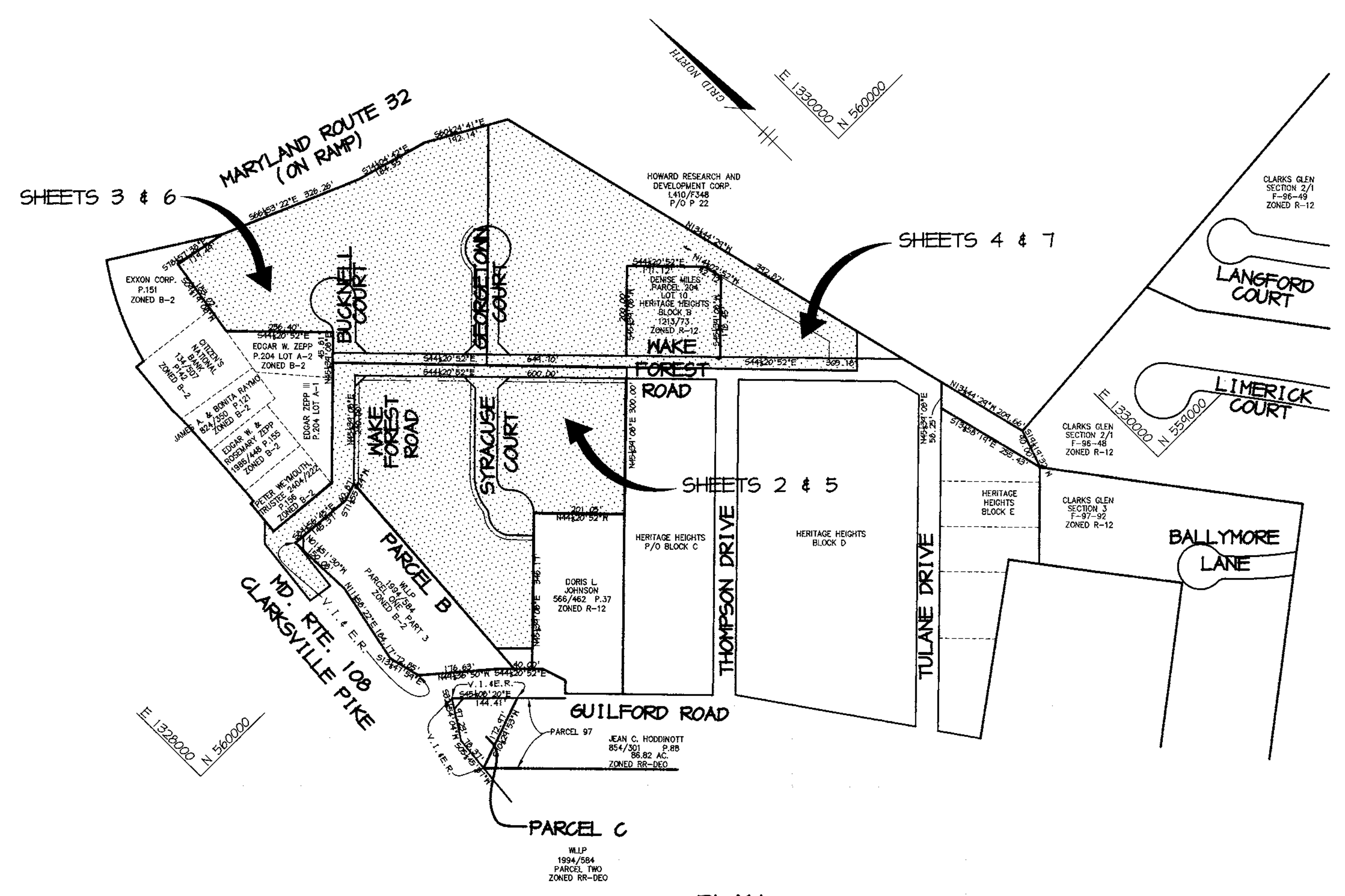
**BENCHMARKS**

BHM1  
HOWARD COUNTY SURVEY CONTROL STATION: 4160  
N 549,240.649 E 1,351,647.835  
BHM2  
HOWARD COUNTY SURVEY CONTROL STATION: 416A  
N 541,344.056 E 1,333,808.252

**GENERAL NOTES**

- THIS SITE IS COMPRISED OF 38 BUILDABLE LOTS AND 4 OPEN SPACE LOTS.
- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 48" COVER BELOW FINISHED GRADE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
 

BELL ATLANTIC TELEPHONE COMPANY	725-4476
HOWARD COUNTY BUREAU OF UTILITIES	313-4400
AT&T CABLE LOCATION DIVISION	343-3553
BALTIMORE GAS & ELECTRIC COMPANY	685-0125
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY BUREAU OF CONSTRUCTION INSPECTION DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)	313-1800
- THE CONTRACTOR TO NOTIFY "MISS UTILITY" AT 1-800-251-7111 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- EX. TOPO IS PROPOSED GRADINGS TAKEN FROM F-91-52 PREPARED BY RIEMER MUEGGE & ASSOCIATES, INC. AND IS AT 2 FOOT INTERVALS.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- SEE DEPARTMENT OF PLANNING AND ZONING FILE NO. 'S 5-47-15, P-90-20 & F-99-52.
- STORMWATER MANAGEMENT IS PROVIDED FOR THIS DEVELOPMENT VIA SHA OWNED & MAINTAINED EXTENDED RETENTION FACILITY VIA AGREEMENT DATED MARCH 26, 1999.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- PUBLIC WATER AND SEWER FOR THESE LOTS IS PROVIDED UNDER CONTRACT DRAWINGS NO. 34-3669-D & 30-3118-D RESPECTIVELY.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- ALL DRIVEWAY ENTRANCES TO BE PER HOWARD COUNTY STANDARD DETAIL R-6.01, R-6.03 & R-6.05. SEE SHEET 8 OF 9 FOR BREAKDOWN.
- EXISTING SEDIMENT CONTROL DEVICES MAY NEED TO BE ADJUSTED DURING HOUSE CONSTRUCTION.
- NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE WETLAND/STREAM BUFFERS AND FOREST CONSERVATION EASEMENTS.
- PER SECTION 128 A. OF THE ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS AND AREAWAYS NOT MORE THAN 16" IN WIDTH MAY PROJECT NOT MORE THAN 4' INTO ANY REQUIRED SETBACK AREA AND PORCHES AND DECKS, OPEN OR ENCLOSED, MAY PROJECT NOT MORE THAN 10' INTO THE FRONT OR REAR YARD SETBACK.
- ALL LANDSCAPE REQUIREMENTS FOR THE RESIDENTIAL LOTS HAVE BEEN MET UNDER F-91-52. SHEETS 5-7 REFLECT THE LANDSCAPING FOR INFORMATIONAL PURPOSES ONLY.



ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
LOT 1	12338 MAKE FOREST ROAD
LOT 2	12335 MAKE FOREST ROAD
LOT 3	12331 MAKE FOREST ROAD
LOT 4	6100 SYRACUSE COURT
LOT 5	6104 SYRACUSE COURT
LOT 6	6108 SYRACUSE COURT
LOT 7	6112 SYRACUSE COURT
LOT 8	6116 SYRACUSE COURT
LOT 9	6120 SYRACUSE COURT
LOT 10	6124 SYRACUSE COURT
LOT 11	6117 SYRACUSE COURT
LOT 12	6113 SYRACUSE COURT
LOT 13	6109 SYRACUSE COURT
LOT 14	6105 SYRACUSE COURT
LOT 15	6101 SYRACUSE COURT
LOT 16	12319 MAKE FOREST ROAD
LOT 17	12315 MAKE FOREST ROAD
LOT 18	12290 MAKE FOREST ROAD
LOT 19	12284 MAKE FOREST ROAD
LOT 20	12288 MAKE FOREST ROAD
LOT 21	12320 MAKE FOREST ROAD

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
LOT 22	12324 MAKE FOREST ROAD
LOT 23	6000 GEORGETOWN COURT
LOT 24	6004 GEORGETOWN COURT
LOT 25	6008 GEORGETOWN COURT
LOT 26	6012 GEORGETOWN COURT
LOT 27	6016 GEORGETOWN COURT
LOT 28	6020 GEORGETOWN COURT
LOT 29	6018 GEORGETOWN COURT
LOT 30	6009 GEORGETOWN COURT
LOT 31	6005 GEORGETOWN COURT
LOT 32	6001 GEORGETOWN COURT
LOT 33	6000 BUCKNELL COURT
LOT 34	6004 BUCKNELL COURT
LOT 35	6008 BUCKNELL COURT
LOT 36	6012 BUCKNELL COURT
LOT 37	6009 BUCKNELL COURT
LOT 38	6008 BUCKNELL COURT
LOT 39	OPEN SPACE
LOT 40	OPEN SPACE
LOT 41	OPEN SPACE
LOT 42	OPEN SPACE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*[Signature]* 8/1/99  
DIRECTOR DATE

*[Signature]* 8/1/99  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 8/16/99  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

SITE TABULATION	
ITEMS	
1. AREA OF SUBMISSION	9.943 Ac.
2. STEEP SLOPES	0.000 Ac.
3. FLOODPLAIN	0.000 Ac.
4. NET AREA	9.943 Ac.
5. TOTAL UNITS PROPOSED	38
6. OPEN SPACE REQ. (20% X GROSS AREA) UNDER F-91-52	3.183 Ac.
7. OPEN SPACE PROVIDED	
A. GROSS AREA UNDER F-91-52	4.752 Ac.
B. AREA OF OPEN SPACE LESS THAN 35 FEET IN WIDTH UNDER F-91-52	0.072
C. NET AREA OF OPEN SPACE UNDER F-91-52	4.680 Ac.
8. REG. AREA REQ. UNDER F-91-52	7,600 sq. ft.
9. REG. AREA PROVIDED UNDER F-91-52	8,015.04 sq. ft.
10. DISTURBED AREA	9.6304 Ac.
11. ZONING	R-12

MINIMUM LOT SIZE TABULATION				
LOT NO.	GROSS AREA	LESS PIPESTEM	REMAINING AREA	MIN. LOT AREA
11	15,467	1,827	13,640	13,640
12	13,140	700	12,440	12,440
26	11,721	955	10,766	10,766
27	12,594	1,588	10,946	10,946
28	14,241	2,221	12,020	12,020
35	10,131	100	10,031	10,031
36	13,514	885	12,624	12,624

\* ALL AREAS SHOWN ARE IN SQUARE FEET

S.H.C. CHART				
LOT NO.	M.C.E.	BASEMENT EL.	INV. #	PL
LOT 1	479.87	474.5	464.55	
LOT 2	470.94	473.5	466.56	
LOT 3	468.57	464.5	464.37	
LOT 4	459.84	461.6	455.64	
LOT 5	461.94	463.8	457.64	
LOT 6	463.98	466.4	459.64	
LOT 7	465.53	468.8	460.70	
LOT 8	467.78	470.8	462.78	
LOT 9	467.46	464.5	462.82	
LOT 10	466.16	468.4	461.86	
LOT 11	458.06	454.0	451.10	
LOT 12	462.38	462.5	451.14	
LOT 13	464.16	464.5	454.36	
LOT 14	461.64	462.5	457.36	
LOT 15	460.54	462.1	456.36	
LOT 16	452.27	454.5	447.93	
LOT 17	451.64	453.0	447.16	
LOT 18	434.54	438.9	424.54	
LOT 19	436.00	441.1	436.68	
LOT 20	440.90	444.1	436.58	
LOT 21	451.24	452.6	446.90	

S.H.C. CHART				
LOT NO.	M.C.E.	BASEMENT EL.	INV. #	PL
LOT 22	451.42	453.4	447.58	
LOT 23	454.66	456.0	450.36	
LOT 24	453.48	455.0	448.50	
LOT 25	451.84	452.5	447.40	
LOT 26	449.06	450.0	444.90	
LOT 27	446.92	447.7	442.94	
LOT 28	447.78	448.7	443.54	
LOT 29	452.16	454.0	448.04	
LOT 30	454.30	455.0	450.14	
LOT 31	455.06	455.5	450.64	
LOT 32	455.94	457.6	451.64	
LOT 33	463.32	466.0	461.50	
LOT 34	461.58	464.0	454.78	
LOT 35	459.76	462.5	457.68	
LOT 36	458.44	461.5	454.54	
LOT 37	461.26	465.6	459.58	
LOT 38	462.80	466.4	461.10	

OWNER / DEVELOPER

HILBEN LLLP  
c/o PULTE HOME CORPORATION  
1501 S. EDGEMOOD STREET, SUITE K  
BALTIMORE, MARYLAND 21227  
410-644-5603

PROJECT: CLARKS GLEN NORTH  
LOTS 1 - 38

AREA: PARCEL 205 & P/O 204  
TAX MAP 34 ZONED R-12  
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: TITLE SHEET

**RIEMER MUEGGE & ASSOCIATES, INC.**  
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
8818 Centre Park Drive, Columbia, Maryland 21045  
tel 410.997.8900 fax 410.997.9282

DATE: JULY 23, 1999

DESIGNED BY: C.J.R.

DRAWN BY: K.E.V.

PROJECT NO: 97016/FINALS/SDP1.DWG

SCALE: AS SHOWN

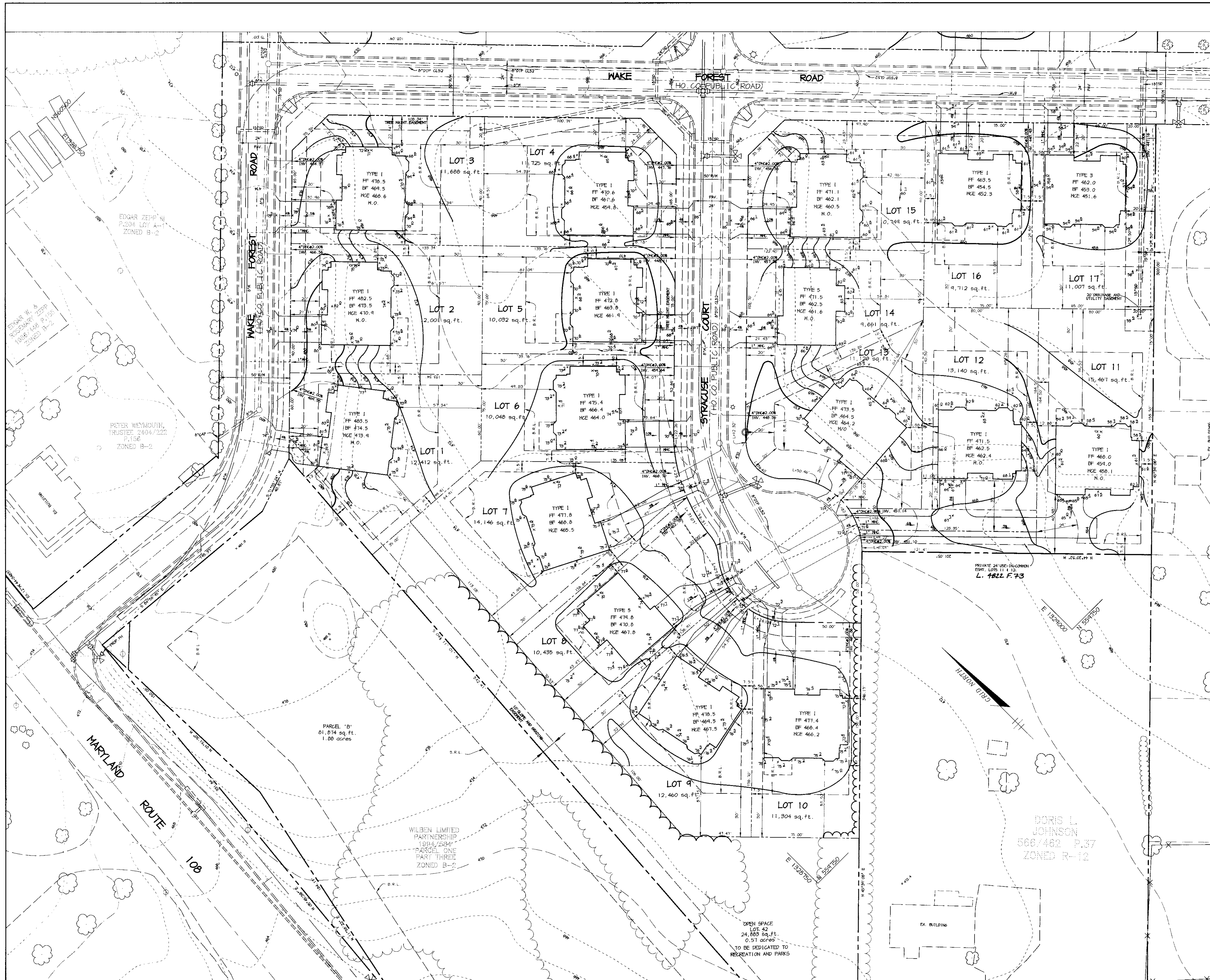
DRAWING NO. 1 OF 9

SDP-99-111

SUBDIVISION NAME: CLARKS GLEN NORTH  
FLAT #: 13826 - 13831  
BLOCK #: 12  
ZONE: R-12  
WATER CODE: 1-11

SECT./AREA: 205 & P/O 204  
TAX MAP NO.: 34  
ELECT. DIST.: 5 TH  
GENER. CODE: 6650000

PARCEL: 205 & P/O 204  
GENUS TRACT: 6055



APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James S. Smith</i> DIRECTOR	8/6/99 DATE
<i>Wanda Brantley</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	8/3/99 DATE
<i>Wanda Brantley</i> CHIEF, DIVISION OF LAND DEVELOPMENT	8/6/99 DATE
DATE NO.	REVISION
OWNER / DEVELOPER	
WILBEN L.L.P. c/o PULTE HOME CORPORATION 1501 S. EDGEWOOD STREET, SUITE K BALTIMORE, MARYLAND 21227 410-644-5603	
PROJECT	CLARKS GLEN NORTH LOTS 1 - 30
AREA	PARCEL 205 & P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
TITLE	SITE DEVELOPMENT PLAN LOTS 1-17
RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282	
	DESIGNED BY : C.J.R.
	DRAWN BY: K.E.V.
	PROJECT NO 97016/FINALS SDP2.DWG
	DATE : JULY 23, 1999
	SCALE : 1" = 30'
ARTHUR E. MUEGGE #8707	DRAWING NO. 2 OF 9



OPEN SPACE  
LOT 34  
161,412 sq. ft.  
3.84 acres  
TO BE DEDICATED TO  
THE DEPT. OF RECREATION  
& PARKS, HO. CO.

WILBEN LIMITED  
PARTNERSHIP  
1994/004  
PARCEL 015  
PART 2  
ZONED R-12

FOREST CONSERVATION  
EASEMENT AREA A-2  
57,540 sq. ft. 1.316 AC.  
(RETENTION)

RECREATION  
OPEN SPACE  
9,688 sq. ft.  
0.22 acres

FOREST CONSERVATION  
EASEMENT AREA A-1  
55,553 sq. ft. 1.271 AC.  
(RETENTION)

OPEN SPACE  
TO BE DEDICATED  
TO RECREATION  
AND PARKS

LIMIT OF CLEARING  
PER F-99-52

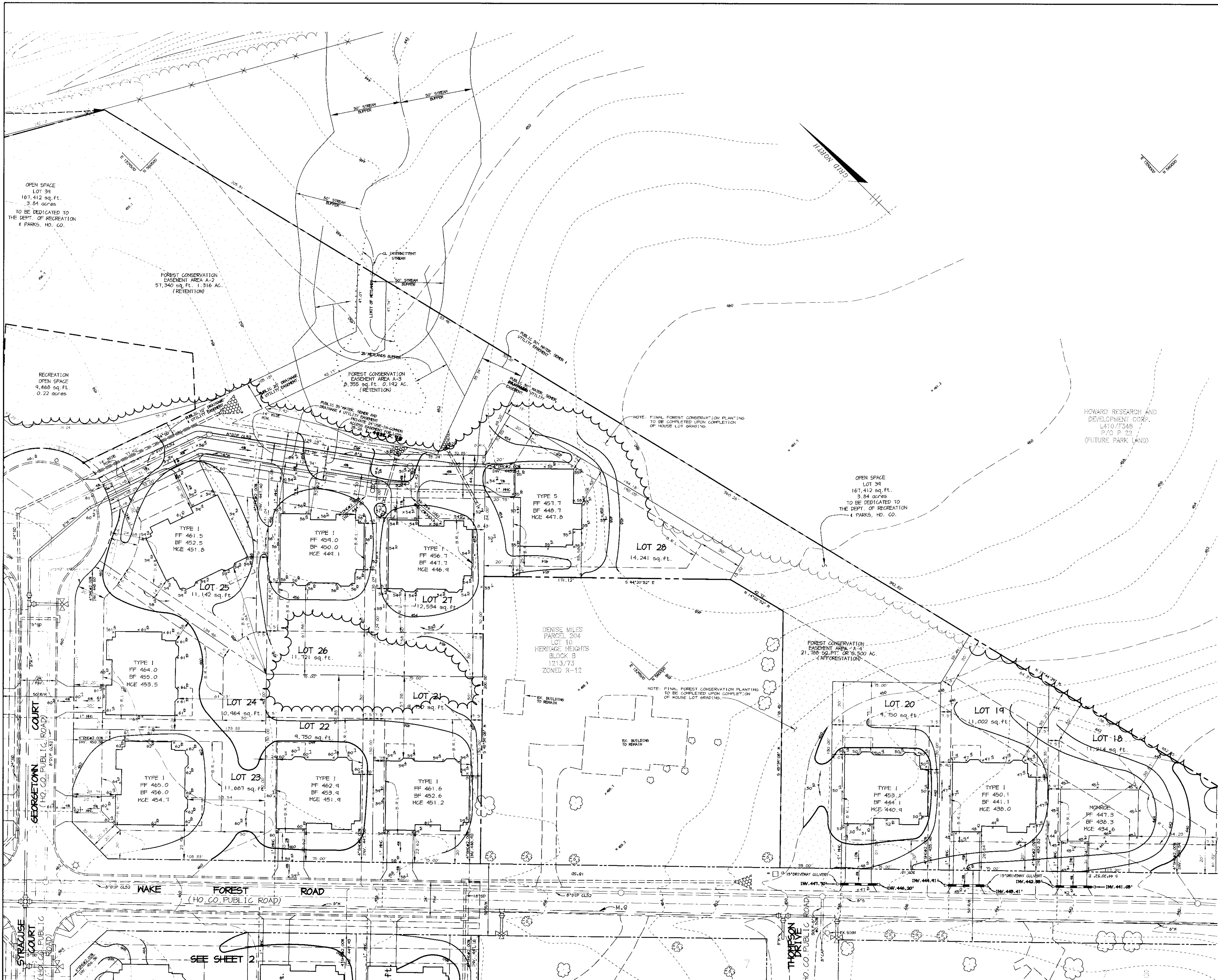
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>Paul Hutter</i> DIRECTOR	8/6/99 DATE
<i>Paul Hutter</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	7/3/99 DATE
<i>Paul Hutter</i> CHIEF, DIVISION OF LAND DEVELOPMENT	8/6/99 DATE

DATE NO.	REVISION
OWNER / DEVELOPER	
WILBEN L.L.P. c/o PULTE HOME CORPORATION 1501 S. EDGEWOOD STREET, SUITE K BALTIMORE, MARYLAND 21227 410-644-5603	
PROJECT CLARKS GLEN NORTH LOTS 1 - 38	
AREA PARCEL 205 4 P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE SITE DEVELOPMENT PLAN LOTS 29-38	

**RIEMER MUEGGE & ASSOCIATES, INC.**  
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
8818 Centre Park Drive, Columbia, Maryland 21045  
tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY : C.J.R.
	DRAWN BY: K.E.V.
	PROJECT NO. 97016/FINALS SDP3.DWG
	DATE : JULY 23, 1999
	SCALE : 1" = 30'
ARTHUR E. MUEGGE #8701	DRAWING NO. 3 OF 9

R:\PROJECTS\CLARKS GLEN\CLARKS GLEN.DWG Thu Jul 22 14:07:40 1999



APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*[Signature]* 8/6/99  
 DIRECTOR DATE

*[Signature]* 8/3/99  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 8/6/99  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION

OWNER / DEVELOPER  
 WILBEN LLLP  
 c/o PULTE HOME CORPORATION  
 1501 S. EDGEWOOD STREET, SUITE K  
 BALTIMORE, MARYLAND 21221  
 410-644-5603

PROJECT  
**CLARKS GLEN NORTH**  
 LOTS 1 - 30

AREA  
 PARCEL 205 & P/O 204  
 TAX MAP 34 ZONED R-12  
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE  
**SITE DEVELOPMENT PLAN**  
 LOTS 18-28

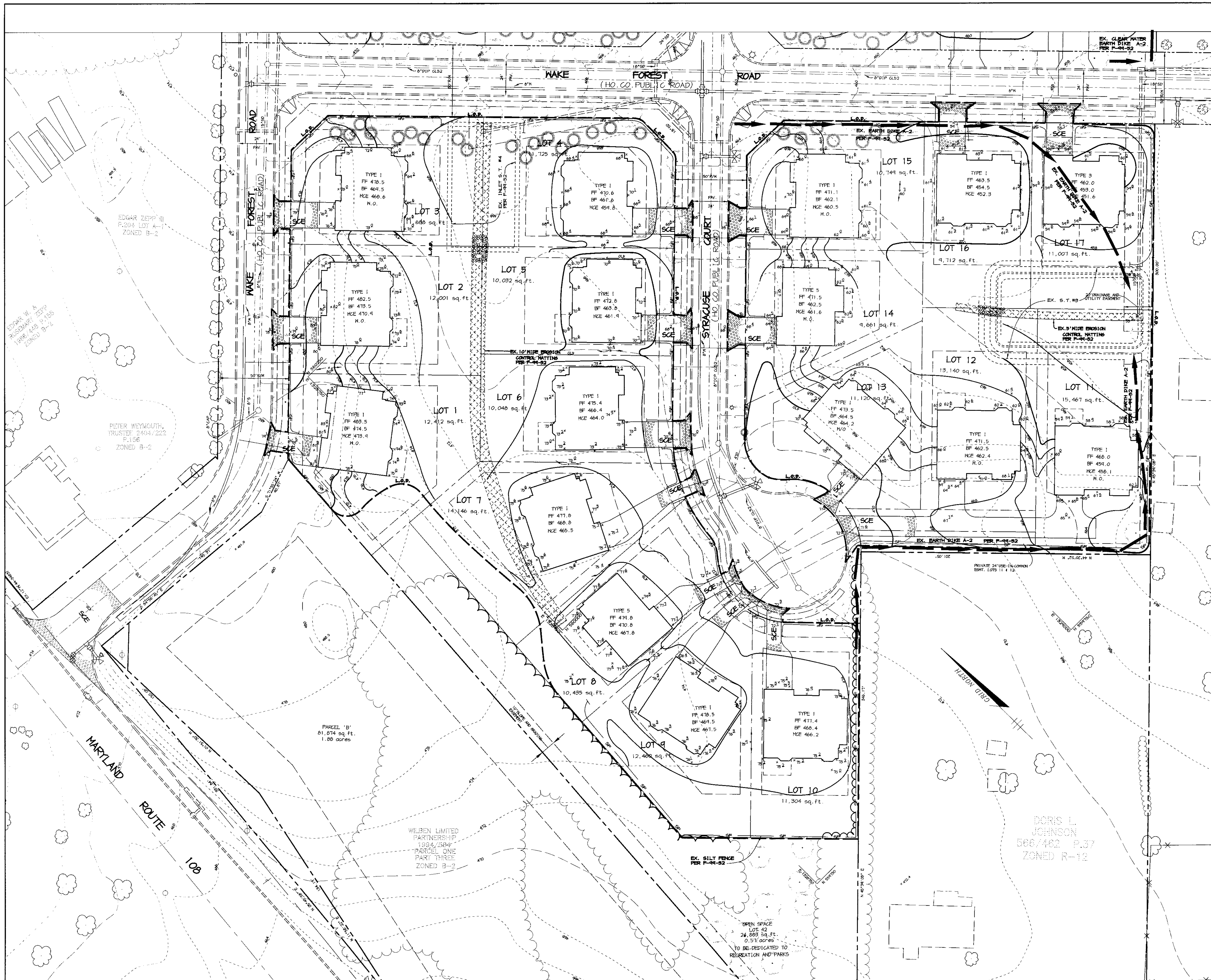
**RIEMER MUEGGE & ASSOCIATES, INC.**  
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
 8818 Centre Park Drive, Columbia, Maryland 21045  
 tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY :
	C.J.R.
	DRAWN BY :
	K.E.V.
	PROJECT NO :
	97016/FINALS SDP4.DWG
	DATE :
	JULY 23, 1999
	SCALE :
	1" = 30'
	DRAWING NO. :
	4 OF 9

DATE  
 DESIGNED BY : C.J.R.  
 DRAWN BY : K.E.V.  
 PROJECT NO : 97016/FINALS  
 SDP4.DWG  
 DATE : JULY 23, 1999  
 SCALE : 1" = 30'  
 DRAWING NO. 4 OF 9



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**LEGEND**

- SCE STABILIZED CONSTRUCTION ENTRANCE
- EARTH DIKE
- LIMIT OF DISTURBANCE
- SILT FENCE
- EXISTING EROSION CONTROL MATTING
- LANDSCAPING AS PROVIDED PER F-49-52

**NOTE**  
 ANY HOUSES AFFECTED BY CONTINUED USE OF EX. SEDIMENT CONTROLS ARE TO HAVE CONSTRUCTION DELAYED UNTIL PERMIGGION IS GIVEN BY DILP SEDIMENT CONTROL INSPECTOR.

BY THE DEVELOPER :  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A PROGRAM OF THE ENVIRONMENT APPROVED TRAINING DEPARTMENT FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Mahabadi Zogala* 7-23-99  
 DEVELOPER DATE

BY THE ENGINEER :  
 I 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.  
*Arthur E. Muegge* 7-23-99  
 ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.  
*Keefe Simmons* 8/3/99  
 NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. Robertson* 8/3/99  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
*David S. Satter* 8/6/99  
 DIRECTOR DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION 8/3/99 DATE  
*David Hamilton* 8/6/99  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION

OWNER / DEVELOPER  
 WILBEN LLLP  
 c/o FULTE HOME CORPORATION  
 1501 S. EDGEWOOD STREET, SUITE K  
 BALTIMORE, MARYLAND 21227  
 410-644-5603

PROJECT **CLARKS GLEN NORTH**  
 LOTS 1 - 30

AREA PARCEL 205 & P/O 204  
 TAX MAP 34 ZONED R-12  
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE **GRADING AND SEDIMENT CONTROL PLAN**

**RIEMER MUEGGE & ASSOCIATES, INC.**  
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
 8818 Centre Park Drive, Columbia, Maryland 21045  
 tel 410.997.8900 fax 410.997.9282

	DATE	DESIGNED BY :	C.J.R.
		DRAWN BY:	K.E.V.
		PROJECT NO	97016/FINALS
		DATE :	JULY 23, 1999
		SCALE :	1" = 30'
	DRAWING NO.	5 OF 9	

SDP-99-111



**LEGEND**

	STABILIZED CONSTRUCTION ENTRANCE
	EARTH DIKE
	LIMIT OF DISTURBANCE
	SUPER SILT FENCE
	SILT FENCE
	EROSION CONTROL MATTING
	LANDSCAPING AS PROVIDED PER F-99-52

**NOTE**  
 ANY HOUSES AFFECTED BY CONTINUED USE OF EX. SEDIMENT CONTROLS ARE TO HAVE CONSTRUCTION DELAYED UNTIL PERMISSION IS GIVEN BY DILP SEDIMENT CONTROL INSPECTOR.

**BY THE DEVELOPER :**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 DEVELOPER: *Milben L.L.P.* DATE: 7-23-99

**BY THE ENGINEER :**  
 I 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.  
 ENGINEER: *Arthur E. Muegge* DATE: 7-23-99

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.  
 REVIEWER: *Cheryl Simmons* DATE: 8/3/99  
 NATURAL RESOURCES CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: *John P. Robertson* DATE: 8/3/99  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
 DIRECTOR: *James B. Shaw, Jr.* DATE: 8/6/99  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 CHIEF, DIVISION OF LAND DEVELOPMENT: *Candy Hamilton* DATE: 8/6/99

DATE	NO.	REVISION

OWNER / DEVELOPER  
 MILBEN L.L.P.  
 c/o PULTE HOME CORPORATION  
 1501 S. EDGEWOOD STREET, SUITE K  
 BALTIMORE, MARYLAND 21227  
 410-644-5603

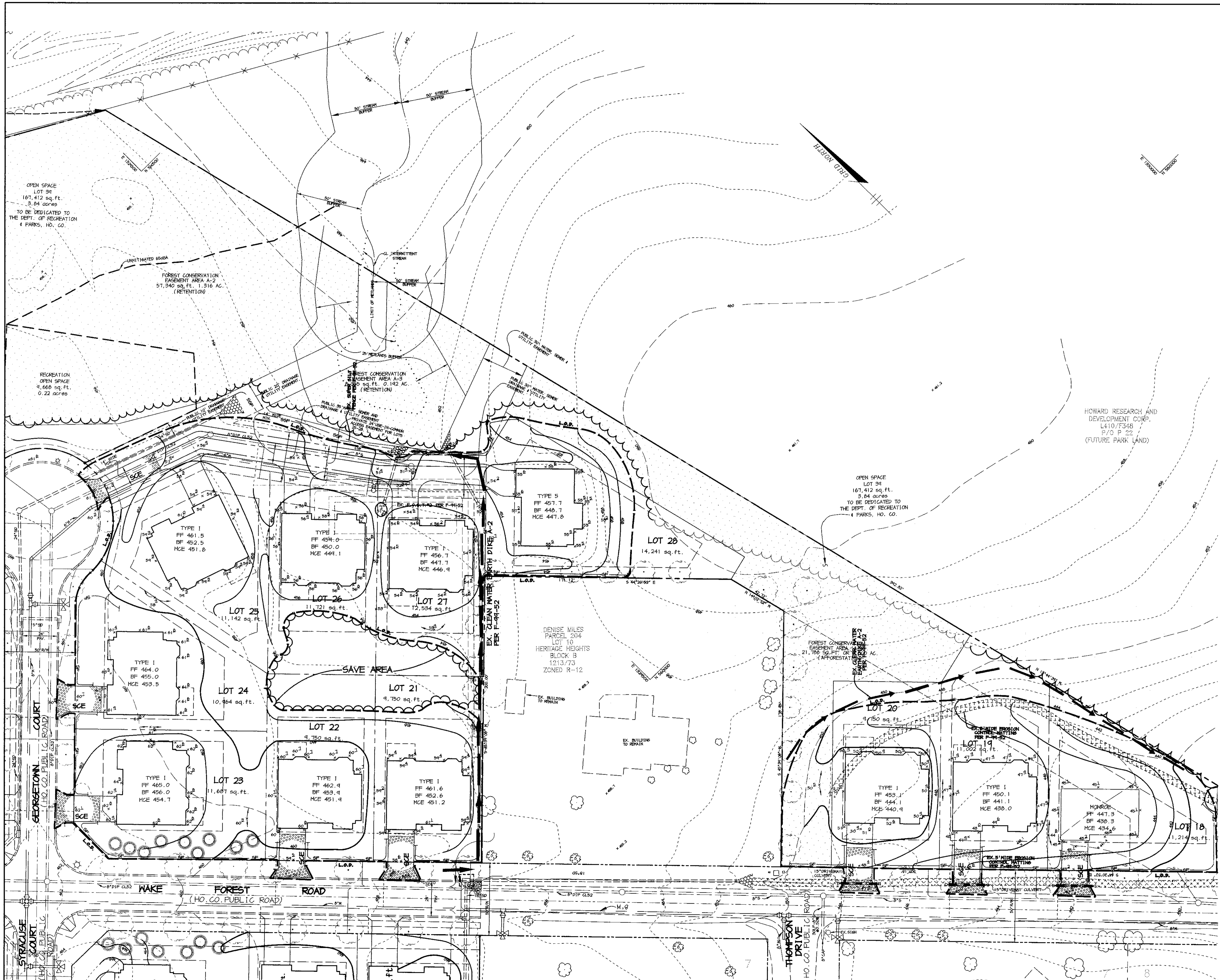
PROJECT: CLARKS GLEN NORTH  
 LOTS 1 - 38

AREA: PARCEL 205 & P/O 204  
 TAX MAP 34 ZONED R-12  
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: GRADING AND SEDIMENT CONTROL PLAN

RIEMER MUEGGE & ASSOCIATES, INC.  
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
 8818 Centre Park Drive, Columbia, Maryland 21045  
 tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY : C.J.R.
	DRAWN BY: K.E.V.
	PROJECT NO: 87016/FINALS SDP8.DWG
DATE : JULY 23, 1999	SCALE : 1" = 30'
ARTHUR E. MUEGGE #8707	DRAWING NO. 6 OF 9



**LEGEND**

	STABILIZED CONSTRUCTION ENTRANCE
	EX. EARTH DIKE TO REMAIN LIMIT OF DISTURBANCE
	SUPER SILT FENCE
	SILT FENCE
	EROSION CONTROL MATTINGS
	LANDSCAPING AS PROVIDED PER F-49-52

**NOTE**  
 ANY HOUSES AFFECTED BY CONTINUED USE OF EX. SEDIMENT CONTROLS ARE TO HAVE CONSTRUCTION DELAYED UNTIL PERMISSION IS GIVEN BY DILP SEDIMENT CONTROL INSPECTOR.

BY THE DEVELOPER :  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Michael B. Sigurd* 7.23.99  
 DEVELOPER DATE

BY THE ENGINEER :  
 I 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.  
*Arthur E. Muegge* 7.23.99  
 ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

*Cheryl Simmon* 8/3/99  
 NATURAL RESOURCES CONSERVATION SERVICE DATE

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

*John R. Rutherford* 8/3/99  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
*Paul J. Rutter* 8/6/99  
 DIRECTOR DATE

*John J. [Signature]* 8/3/99  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Cindy Hamilton* 8/6/99  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE NO.	REVISION

OWNER / DEVELOPER  
 WILLBEN LLLP  
 c/o PULTE HOME CORPORATION  
 1501 S. EDENWOOD STREET, SUITE K  
 BALTIMORE, MARYLAND 21227  
 410-644-5603

PROJECT  
**CLARKS GLEN NORTH**  
 LOTS 1 - 30

AREA  
 PARCEL 205 & P/O 204  
 TAX MAP 34 ZONED R-12  
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE  
**GRADING AND SEDIMENT CONTROL PLAN**

**RIEMER MUEGGE & ASSOCIATES, INC.**  
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
 8818 Centre Park Drive, Columbia, Maryland 21045  
 tel 410.997.8900 fax 410.997.9282

	DATE	DESIGNED BY : C.J.R.
		DRAWN BY: K.E.V.
		PROJECT NO : 97016/FINALS SDP7.DWG
		DATE : JULY 23, 1999
		SCALE : 1" = 30'
	DRAWING NO. 7 OF 9	

**STANDARD SEDIMENT CONTROL NOTES**

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3:1, BY 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND MARKING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. 6.). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHED 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	16.8800 ACRES
AREA DISTURBED	4.63 ACRES
AREA TO BE ROOFED OR PAVED	3.05 ACRES
AREA TO BE VEGETATIVELY STABILIZED	6.58 ACRES
TOTAL CUT	7,500 CU. YARDS
TOTAL FILL	7,500 CU. YARDS

 OFFSITE WASTE/BORROW AREA LOCATION
- 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 CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY 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.

- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH IS BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNSUBMITTING OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY AFFECT THE WORK.

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

**Seeded 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. per 1000 sq. ft.).

**Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs. per 1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of creeping lovegrass (0.07 lbs. per 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. per 1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gal. per acre (5 gal. per 1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 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.

**PERMANENT SEEDING NOTES**

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

**Seeded 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 (42 lbs. per 1000 sq. ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (4 lbs. per 1000 sq. ft.).
- Acceptable:** Apply 2 tons per acre dolomitic limestone (42 lbs. per 1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (28 lbs. per 1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil.

**Seeding:** For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 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 (0.05 lbs. per 1000 sq. ft.) of creeping lovegrass. During the period October 16 thru February 28, protect site by one of the following options:

- 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- Use sod.
- Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

**Mulching:** Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gal. per acre (5 gal. per 1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq. ft.) for anchoring.

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

**21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL**

**Definition:** Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

**Purpose:** To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

**Conditions Where Practice Applies:**

- The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
- The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
- The original soil to be vegetated contains material toxic to plant growth.
- The soil is so acidic that treatment with limestone is not feasible.

For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

**Construction and Material Specifications:**

- Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SOS in cooperation with Maryland Agricultural Experimentation Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
  - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of competing textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2" in diameter.
  - Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
  - Where subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

For sites having disturbed areas under 5 acres:

I. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

II. For sites having disturbed areas over 5 acres:

I. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 

- pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
- Organic content of topsoil shall be not less than 1.5 percent by weight.
- Topsoil having soil boron content greater than 500 parts per million shall not be used.
- No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phytotoxic materials.

II. Topsoil substitutes to amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority may be used in lieu of natural topsoil.

III. Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

I. Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for site having disturbed areas under 5 acres shall conform to the following requirements:
 

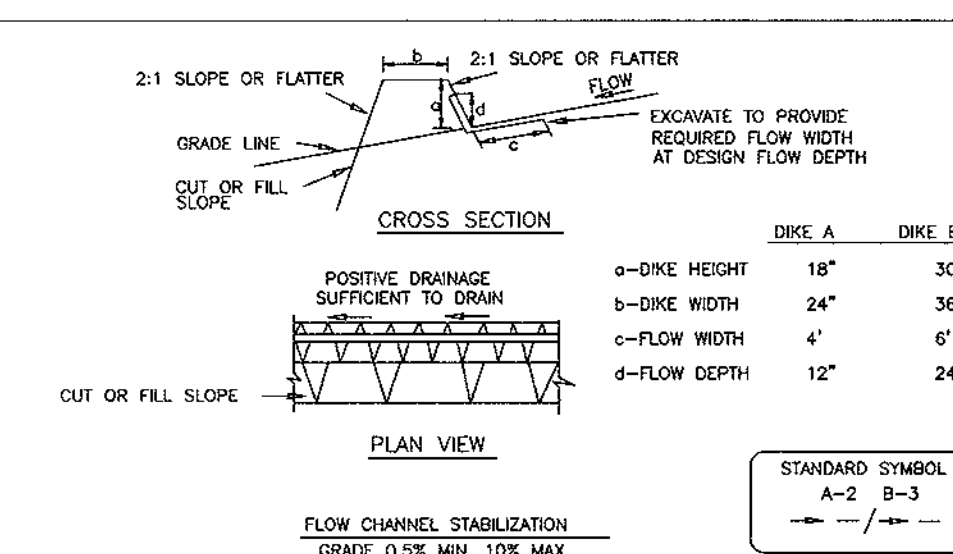
- Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.
- Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
- Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
- Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.

References: Guideline Specifications, Soil Preparation and Sodding, MD-VA, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institute, Revised 1975.

**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMITS FOR SINGLE FAMILY HOME CONSTRUCTION.
- INSTALL/REFURBISH SEDIMENT CONTROL DEVICES AS SHOWN ON THESE PLANS AND F-99-52 (3 DAYS).
- CONSTRUCT SINGLE FAMILY HOMES (3 MONTHS PER HOME).
- ALL TRAPS AND ASSOCIATED EARTH DIKES ARE TO REMAIN IN PLACE UNTIL ALL CONTRIBUTING AREAS ARE STABILIZED. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, TRAPS CAN BE REMOVED AND CONSTRUCTION
- REPLACE AND OR REPAIR ANY SEDIMENT CONTROL DEVICES (AS NEEDED).
- SPREAD TOPSOIL IN ACCORDANCE WITH TOPSOIL SPECIFICATIONS, AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES AS CONSTRUCTION PROGRESSES (1 DAY PER LOT).
- WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES (AS APPROVED).

**DETAIL 1 - EARTH DIKE**



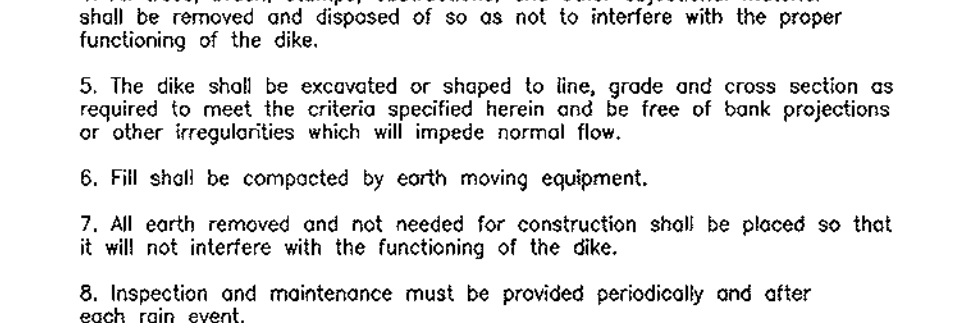
- Seed and cover with straw mulch.
- Seed and cover with Erosion Control Matting or line with sod.
- 4" - 2" stone or recycled concrete equivalent pressed into the soil 7" minimum.

**Construction Specifications:**

- All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.
- Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
- Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.
- All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.
- The dike shall be excavated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
- Fill shall be compacted by earth moving equipment.
- All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.
- Inspection and maintenance must be provided periodically and after each rain event.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE A-1 - 6	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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**DETAIL 22 - SILT FENCE**



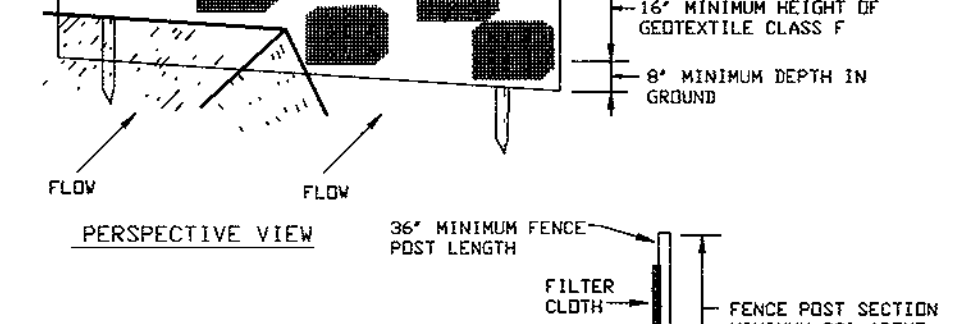
**Construction Specifications:**

- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum cut), or 1 3/4" diameter (minimum round) and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
 

Tensile Strength	50 lbs/in (min.)	Test MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test MSMT 509
Flow Rate	0.3 gal. ft <sup>2</sup> /minute (max.)	Test MSMT 322
Filtering Efficiency	75% (min.)	Test MSMT 322
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent seepage by-pass.
- Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE E-15 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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**DETAIL 30 - EROSION CONTROL MATTING**

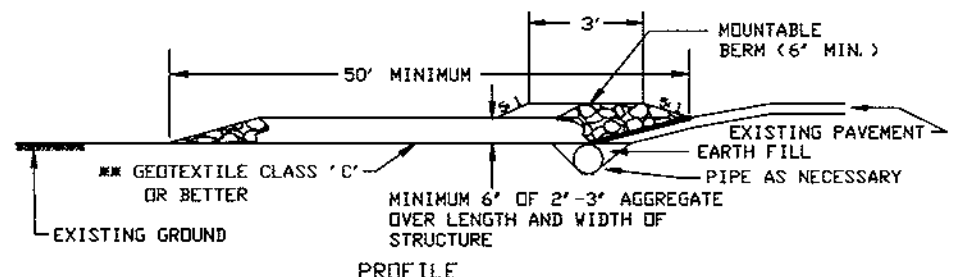


**Construction Specifications:**

- Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the channel cross-section. Secure with a row of staples every 6" down slope from the trench. Spacing between staples is 6".
- Staple the 4" overlap in the channel center using an 18" spacing between staples.
- Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
- Staples shall be placed 2" apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
- Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shiplap fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
- The discharge end of the matting liner should be similarly secured with a double row of staples.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE G-22 - 2	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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**DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE**

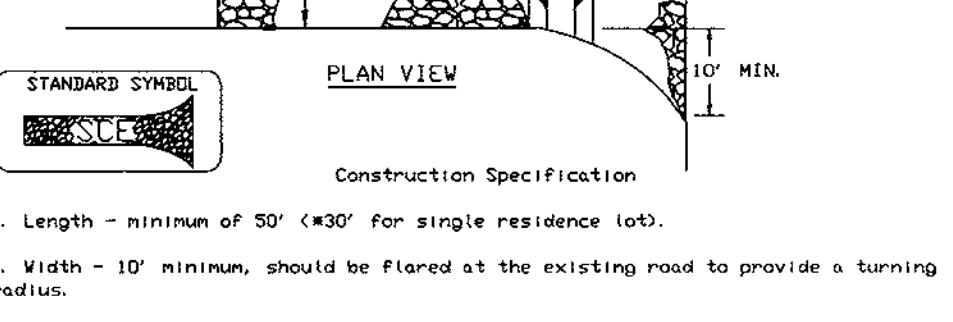


**Construction Specifications:**

- Length - minimum of 50' (x30' for single residence lots).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.
- Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable beam with 5-1/2" diameter and a minimum of 3" of stone over the pipe. Pipe has to be sized according to the drainage. When the SDE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE F-17 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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**DETAIL 33 - SUPER SILT FENCE**



**Construction Specifications:**

- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except at the ends of the fence.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 8" into the ground.
- When two sections of Filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt bulges removed when 'bulges' develop in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:
 

Tensile Strength	50 lbs/in (min.)	Test MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test MSMT 509
Flow Rate	0.3 gal. ft <sup>2</sup> /minute (max.)	Test MSMT 322
Filtering Efficiency	75% (min.)	Test MSMT 322

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE G-26 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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**APRON DETAIL CHART**

HOWARD COUNTY STANDARD DETAIL	APPLICABLE LOTS
R 6.03	1 - 10, 16 - 17, 24 - 32
R 6.05	11 - 15, 21 - 28, 33 - 38
R 6.06	18 - 20

BY THE DEVELOPER:

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

*M. E. Muegge* 7-23-99  
DEVELOPER DATE

BY THE ENGINEER:

I 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.

*M. E. Muegge* 7-23-99  
ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

*Cheyl Simmons* 8/3/99  
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

*John Plotkin* 8/3/99  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*James A. Hester* 8/6/99  
DIRECTOR DATE

*Conde Hester* 8/6/99  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Conde Hester* 8/6/99  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE NO.	REVISION

OWNER / DEVELOPER  
WILBEN LLLP  
c/o PULTE HOME CORPORATION  
1501 S. EDGEMOOD STREET, SUITE K  
BALTIMORE, MARYLAND 21227  
410-644-5603

PROJECT  
**CLARKS GLEN NORTH**  
Lots 1 - 38

AREA  
PARCEL 205 & P/O 204  
TAX MAP 34 ZONED R-12

5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE  
**NOTES AND DETAILS**

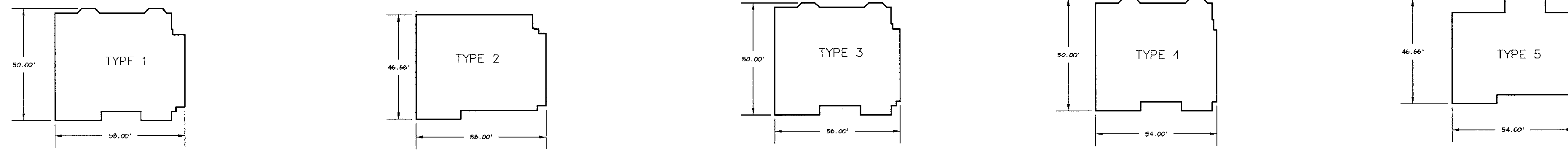
**RIEMER MUEGGE & ASSOCIATES, INC.**  
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
8818 Centre Park Drive, Columbia, Maryland 21045  
tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY:	C.J.R.
	DRAWN BY:	K.E.V.
	PROJECT NO:	97016/FINALS SDP8.DWG
	DATE:	JULY 23, 1999
	SCALE:	AS SHOWN
	DRAWING NO.	8 OF 9





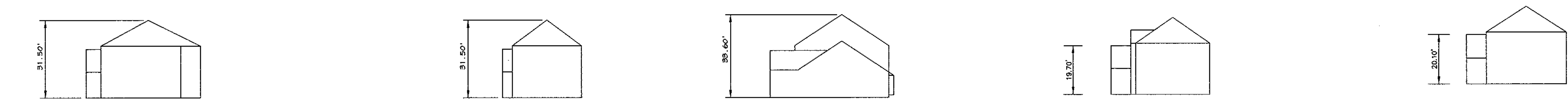
HOUSE TYPE SUMMARY CHART	
GENERIC BLOCK 1	ALL HOUSE TYPES WITH ANY OPTIONS
GENERIC BLOCK 2	ALL HOUSE TYPES EXCEPT BARCLAY
GENERIC BLOCK 3	ALL HOUSE TYPES EXCEPT BRIARWOOD
GENERIC BLOCK 4	BARCLAY, ASHVILLE, MONROE
GENERIC BLOCK 5	ASHVILLE, MONROE



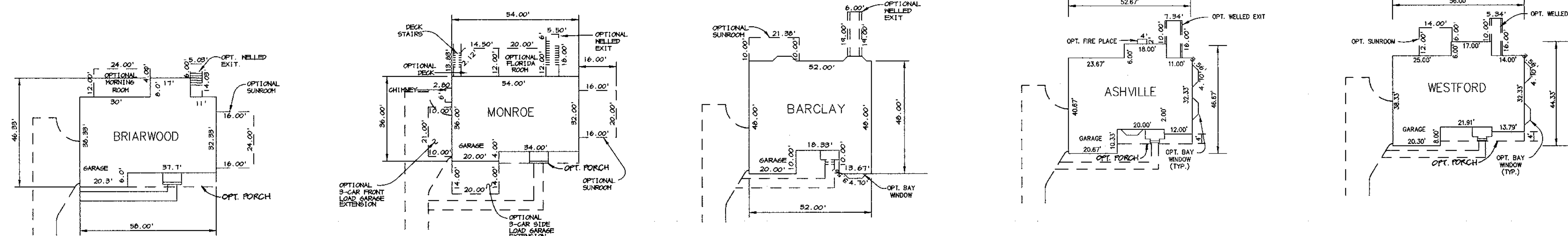
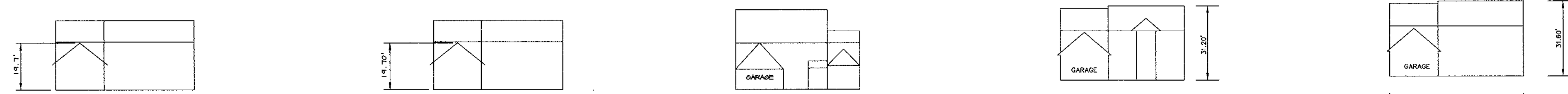
**GENERIC BLOCKS**

SCALE: 1"=30'

**SIDE VIEW**

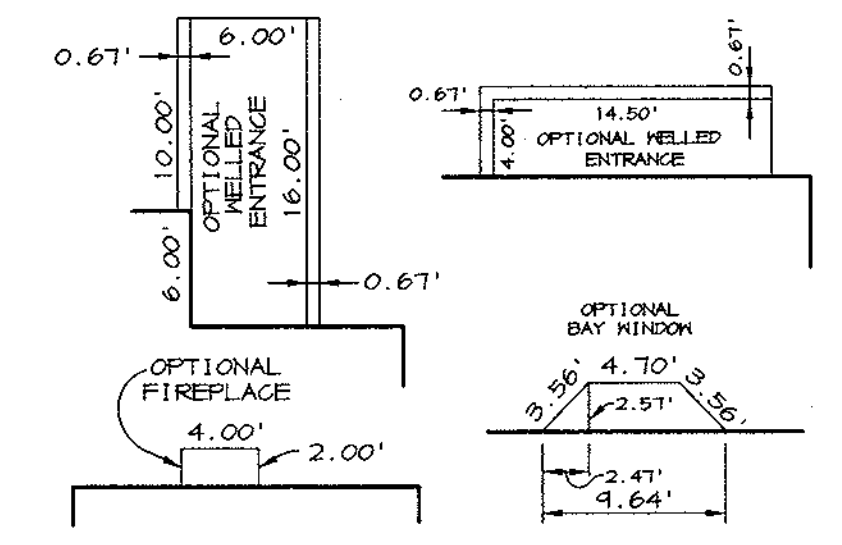


**FRONT VIEW**



**HOUSE TYPES**

SCALE: 1"=30'



**OPTIONS**

SCALE: 1"=10'

**OPTIONS CHART**

LOT #	BOX TYPE	BRIARWOOD	MONROE	BARCLAY	ASHVILLE	WESTFORD	LOT #	BOX TYPE	BRIARWOOD	MONROE	BARCLAY	ASHVILLE	WESTFORD
1	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	20	1	1,2,5	2,5,6,11	7,12	2,5,6,13	2,5,7,12
2	1	1,2,5	2,4,5,6,11	2,7,12	2,5,6,13	2,5,7,12	21	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
3	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	22	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
4	1	1,2	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	23	1	1,2	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
5	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	24	1	1,2,5,3	2,3,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12
6	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	25	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12
7	1	1,2	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	26	1	1,2	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
8	5		2,5,6,11		2,5,6,13		27	1	1,2	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
9	1	1,2	2,5,6,8,11	12	2,5,6,13	2,5,7,12	28	5		2,5,6,8,11		2,5,6,13	
10	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	29	1	1,2,5	2,5,6,11	2,12	2,5,6,13	2,5,7,12
11	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	30	2	1,2	2,6,11		2,5,6,13	2,5,7,12
12	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	31	3		2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
13	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	32	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12
14	5		2,5,6,8,11		2,5,6,13		33	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
15	1	1,2,5	2,5,6,8,11	7,12	2,5,6,13	2,5,7,12	34	4		2,5,6,11	2,7,12	2,5,6,13	
16	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	35	4		2,5,6,11	2,7,12	2,5,6,13	
17	3		2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	36	5				5,13	
18	MONROE		5,11				37	1	1,5	2,5,6,8,11	7,12	2,5,6,13	5,7,12
19	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	38	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12

**LEGEND**

- 1 = OPTIONAL MORNING ROOM
- 2 = OPTIONAL HIPPIED EXIT
- 3 = OPTIONAL SIDE SUNROOM
- 4 = OPTIONAL 3-CAR FRONT GARAGE
- 5 = OPTIONAL FRONT PORCH
- 6 = OPTIONAL CHIMNEY
- 7 = OPTIONAL REAR SUNROOM
- 8 = OPTIONAL FLORIDA ROOM
- 9 = OPTIONAL 3-CAR SIDE GARAGE
- 10 = OPTIONAL BAY WINDOW CHIMNEY
- 11 = OPTIONAL DECK
- 12 = OPTIONAL BAY WINDOW
- 13 = OPTIONAL FIREPLACE

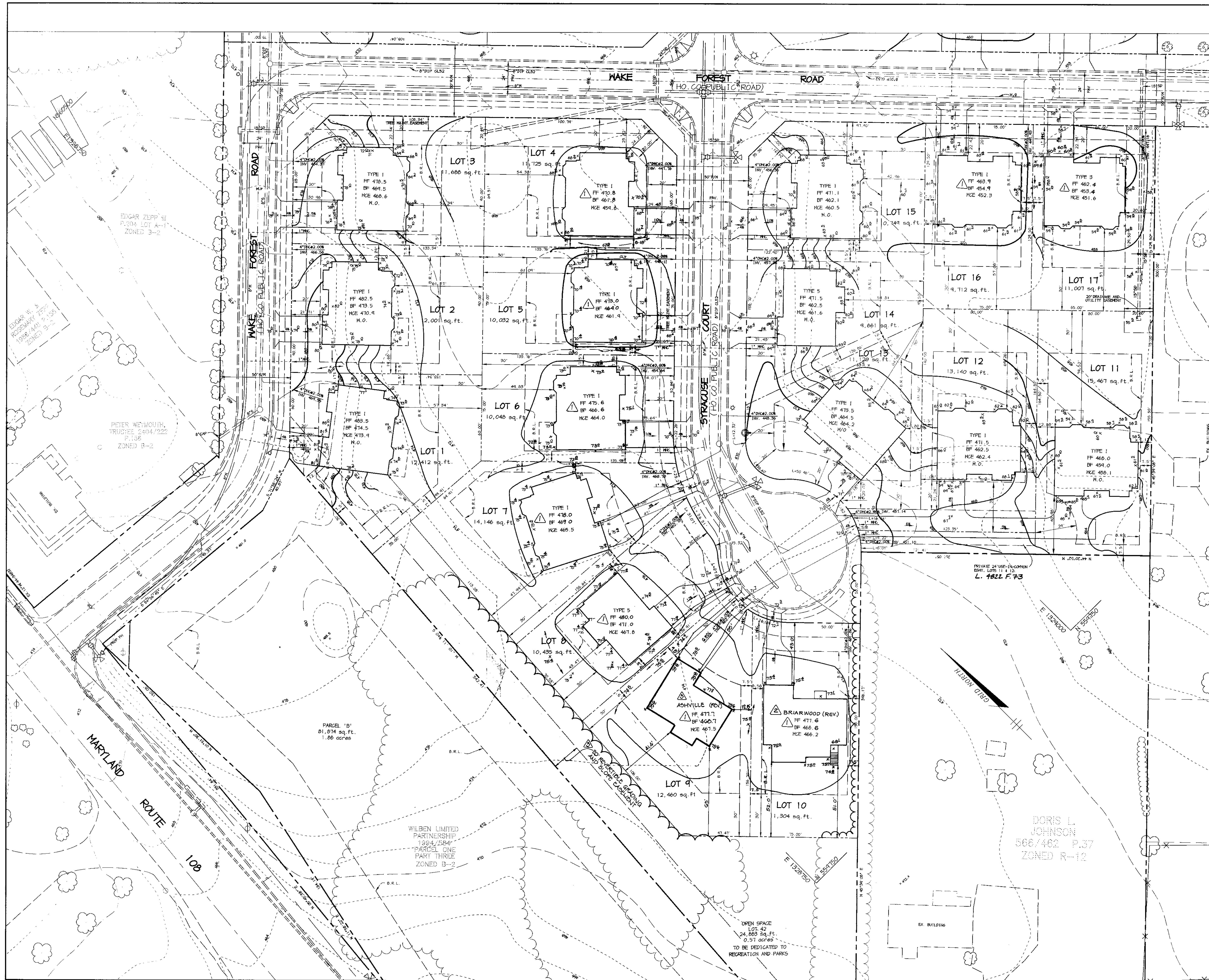
INDICATES THAT A MODEL IS NOT AVAILABLE FOR THE BOX TYPE.

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>[Signature]</i> DIRECTOR	8/6/99 DATE
<i>[Signature]</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	8/3/99 DATE
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT	8/6/99 DATE

DATE NO.	REVISION
OWNER / DEVELOPER	
WILBEN LLLP c/o PULTE HOME CORPORATION 1501 S. EDGEWOOD STREET, SUITE K BALTIMORE, MARYLAND 21227 410-644-5603	
PROJECT <b>CLARKS GLEN NORTH</b> LOTS 1 - 38	
AREA PARCEL 205 & P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE <b>HOUSE DETAILS</b>	

**RIEMER MUEGGE & ASSOCIATES, INC.**  
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
8818 Centre Park Drive, Columbia, Maryland 21045  
tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY : C.J.R.
	DRAWN BY: R.J.C.
	PROJECT NO : 97016/FINALS/SDP9.DWG
	DATE : JULY 23, 1999
	SCALE : AS SHOWN
	DRAWING NO. 9 OF 9



0-8-00 REV. HOUSE TYPE 1 REF. ELEV. LOT 9 APPROX. REFINISH FLOOR	
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James S. Smith</i> DIRECTOR	8/6/99 DATE
<i>John T. Hamilton</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	8/3/99 DATE
<i>John T. Hamilton</i> CHIEF, DIVISION OF LAND DEVELOPMENT	8/6/99 DATE
04-18-00/2 REV. HOUSE TYPE LOT 10.	
01-27-00/1 ADJUSTED FF & BF ELEVATIONS TO LOT 4-10 AND LOT 16 & 17 AND TO CHANGE GRADING.	
DATE NO.	REVISION
OWNER / DEVELOPER	
WILBEN LLLP c/o PULTE HOME CORPORATION 1501 S. EDGEWOOD STREET, SUITE K BALTIMORE, MARYLAND 21227 410-644-5603	
PROJECT	CLARKS GLEN NORTH LOTS 1 - 30
AREA	PARCEL 205 & P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
TITLE	SITE DEVELOPMENT PLAN LOTS 1-17
RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282	
	DESIGNED BY: C.J.R.
	DRAWN BY: K.E.V.
	PROJECT NO. 97016/FINALS SDP2.DWG
	DATE: JULY 23, 1999
	SCALE: 1" = 30'
ARTHUR E. MUEGGE #8707	DRAWING NO. 2 OF 9



OPEN SPACE  
LOT 34  
167,412 sq. ft.  
3.84 acres  
TO BE DEDICATED TO  
THE DEPT. OF RECREATION  
& PARKS, HD., CO.

WILBEN LIMITED  
PARTNERSHIP  
1995, 7544  
PARCEL ONE,  
PART 2  
ZONED R-12

FOREST CONSERVATION  
EASEMENT AREA A-2  
57,340 sq. ft. 1.316 AC.  
(RETENTION)

RECREATION  
OPEN SPACE  
9,660 sq. ft.  
0.22 acres

FOREST CONSERVATION  
EASEMENT AREA "A1"  
55,353 sq. ft. OR 1.271 AC.  
(RETENTION)

OPEN SPACE  
LOT 34  
TO BE DEDICATED  
TO RECREATION  
AND PARKS

LIMIT OF CLEARING  
PER F-99-52

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*Paul R. Hutter* 8/6/99  
DIRECTOR DATE

*Paul R. Hutter* 8/3/99  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Paul R. Hutter* 8/6/99  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

01:27:00 ADJUSTED FF & BF ELEVATIONS TO LOT 29-32 AND LOT 37 & 38 AND TO CHANGE GRADING.  
DATE NO. REVISION

OWNER / DEVELOPER

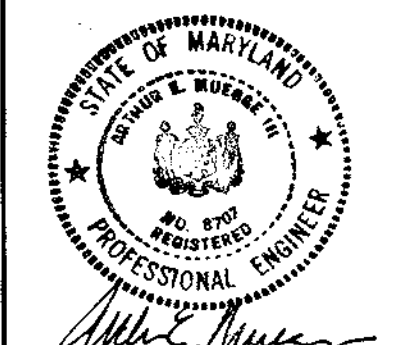
WILBEN LLLP  
c/o PULTE HOME CORPORATION  
1501 S. EDGEMOOD STREET, SUITE K  
BALTIMORE, MARYLAND 21227  
410-644-5603

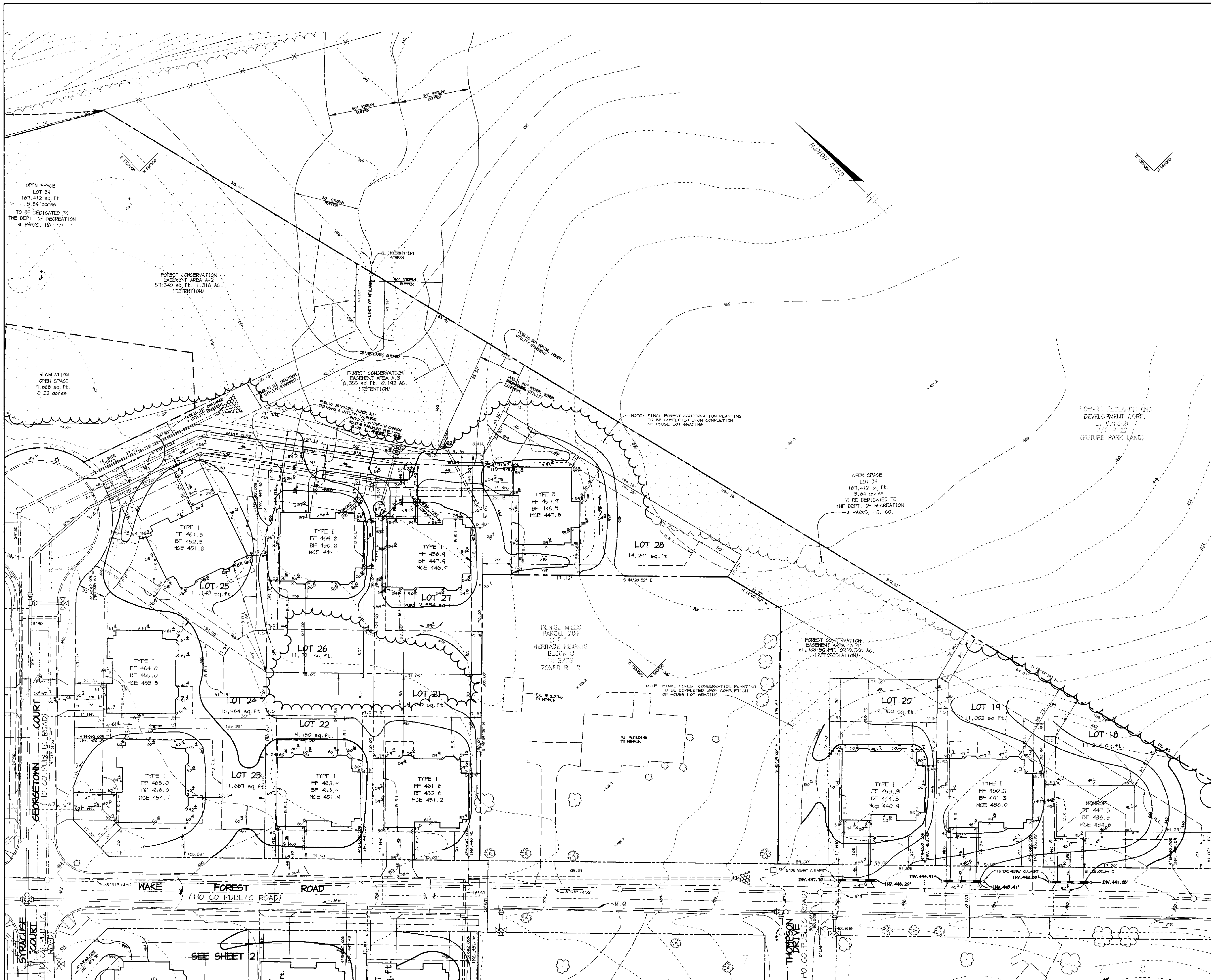
PROJECT CLARKS GLEN NORTH  
LOTS 1 - 38

AREA PARCEL 205 & P/O 204  
TAX MAP 34 ZONED R-12  
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE SITE DEVELOPMENT PLAN  
LOTS 29-38

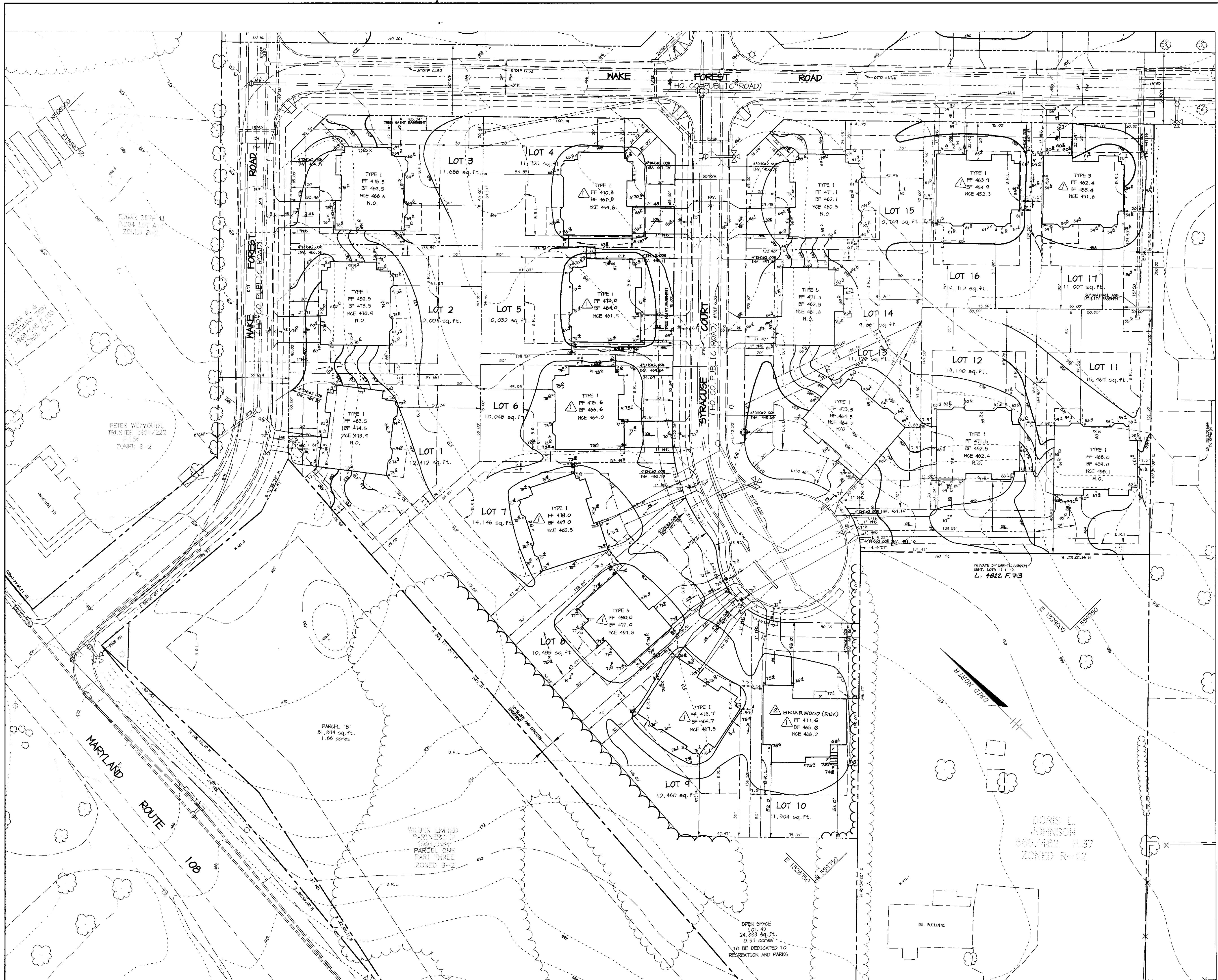
RIEMER MUEGGE & ASSOCIATES, INC.  
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
8818 Centre Park Drive, Columbia, Maryland 21045  
tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY: C.J.R.
	DRAWN BY: K.E.V.
	PROJECT NO: 97016/FINALS SDP3.DWG
	DATE: JULY 23, 1999
	SCALE: 1" = 30'
	DRAWING NO. 3 OF 9



APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>[Signature]</i> DIRECTOR	8/6/99 DATE
<i>[Signature]</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	6/3/99 DATE
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT	8/6/99 DATE
01-27-00	REVISED SPOT ELEVATIONS TO LOT 19-28 AND TO CHANGE GRADING.
DATE NO.	REVISION
OWNER / DEVELOPER	
WILBEN LLLP c/o PULTE HOME CORPORATION 1501 S. EDENWOOD STREET, SUITE K BALTIMORE, MARYLAND 21227 410-644-5603	
PROJECT CLARKS GLEN NORTH LOTS 1 - 36	
AREA PARCEL 205 & P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE SITE DEVELOPMENT PLAN LOTS 18-26	
RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282	
DATE	DESIGNED BY : C.J.R.
	DRAWN BY : K.E.V.
	PROJECT NO : 97016/FINALS SDP4.DWG
	DATE : JULY 23, 1999
	SCALE : 1" = 30'
ARTHUR E. MUEGGE #8707	DRAWING NO. 4 OF 9

K:\PROJECTS\97016\FINALS\SDP4.DWG Thu Jul 22 14:10:21 1999



APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James S. Smith</i> DIRECTOR	8/6/99 DATE
<i>John J. Smith</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	8/3/99 DATE
<i>Charles Hamilton</i> CHIEF, DIVISION OF LAND DEVELOPMENT	8/6/99 DATE
04-18-00/2 REV. HOUSE TYPE LOT 10	
01-27-00/1 ADJUSTED FF & BF ELEVATIONS TO LOT 4-10 AND LOT 16 & 17 AND TO CHANGE GRADING.	
DATE NO.	REVISION
OWNER / DEVELOPER	
WILBEN L.L.P. c/o FULTE HOME CORPORATION 1501 S. EDGEWOOD STREET, SUITE K BALTIMORE, MARYLAND 21227 410-644-5603	
PROJECT	CLARKS GLEN NORTH LOTS 1 - 30
AREA	PARCEL 205 & P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
TITLE	SITE DEVELOPMENT PLAN LOTS 1-17
<b>RIEMER MUEGGE &amp; ASSOCIATES, INC.</b> ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282	
	DESIGNED BY : C.J.R.
	DRAWN BY: K.E.V.
	PROJECT NO 97016/FINALS SDP2.DWG
	DATE : JULY 23, 1999
	SCALE : 1" = 30'
ARTHUR E. MUEGGE #8707	DRAWING NO. 2 OF 9

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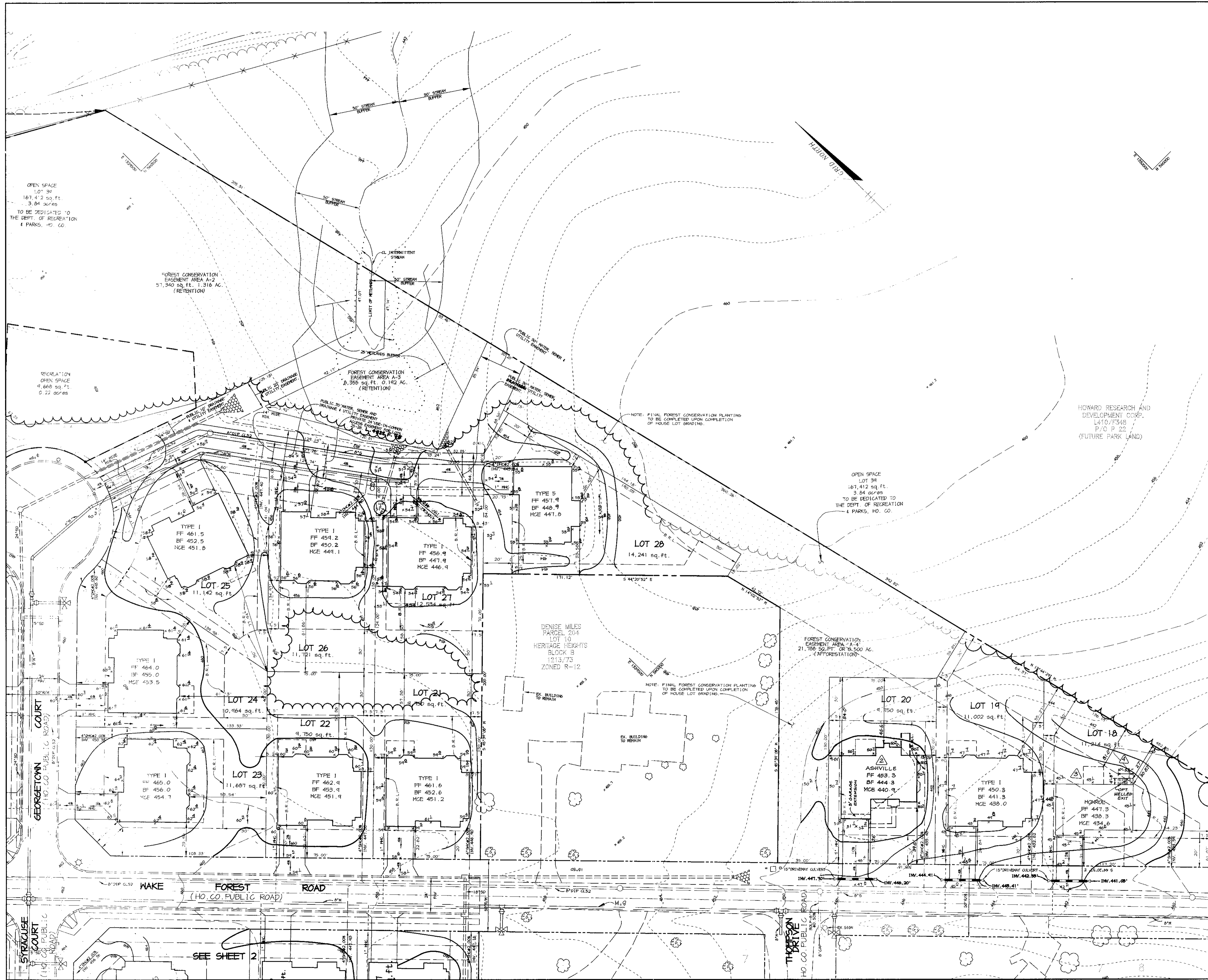


LIMIT OF CLEARING  
PER F-99-52

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>Leslie G. Hatcher</i> DIRECTOR	8/6/99 DATE
<i>David Hamilton</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	8/3/99 DATE
<i>David Hamilton</i> CHIEF, DIVISION OF LAND DEVELOPMENT	8/6/99 DATE
G-20-00	REV. HOUSE TYPE LOT 30
01-27-00	ADJUSTED FF & BF ELEVATIONS TO LOT 29-32 AND LOT 37 & 38 AND TO CHANGE GRADING.
DATE NO.	REVISION
OWNER / DEVELOPER	
WILBEN LLLP c/o PULTE HOME CORPORATION 1501 S. EDGEMOOD STREET, SUITE K BALTIMORE, MARYLAND 21227 410-644-5603	
PROJECT	
CLARKS GLEN NORTH LOTS 1 - 38	
AREA	
PARCEL 205 & P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE	
SITE DEVELOPMENT PLAN LOTS 29-38	
RIEMER MUEGGE & ASSOCIATES, INC.	
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282	
DATE	DESIGNED BY : C.J.R.
	DRAWN BY : K.E.V.
	PROJECT NO : 97016/FINALS SDP-3.DWG
	DATE : JULY 23, 1999
	SCALE : 1" = 30'
ARTHUR E. MUEGGE #8707	DRAWING NO. 3 OF 9

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SDP-99-111



OPEN SPACE  
LOT 39  
167,412 sq. ft.  
3.84 acres  
TO BE DEDICATED TO  
THE DEPT. OF RECREATION  
& PARKS, HO. CO.

FOREST CONSERVATION  
EASEMENT AREA A-2  
57,340 sq. ft. 1.316 AC.  
(RETENTION)

RECREATION  
OPEN SPACE  
9,668 sq. ft.  
0.22 acres

FOREST CONSERVATION  
EASEMENT AREA A-3  
2,358 sq. ft. 0.142 AC.  
(RETENTION)

DENSE MILES  
PARCEL 304  
LOT 10  
HERITAGE HEIGHTS  
BLOCK B  
1213.73  
ZONED R-12

FOREST CONSERVATION  
EASEMENT AREA A-4  
21,788 sq. ft. OR 0.500 AC.  
(AFFORESTATION)

HOWARD RESEARCH AND  
DEVELOPMENT CORP.  
L410/7348  
P/O P 22  
(FUTURE PARK LAND)

OPEN SPACE  
LOT 38  
167,412 sq. ft.  
3.84 acres  
TO BE DEDICATED TO  
THE DEPT. OF RECREATION  
& PARKS, HO. CO.

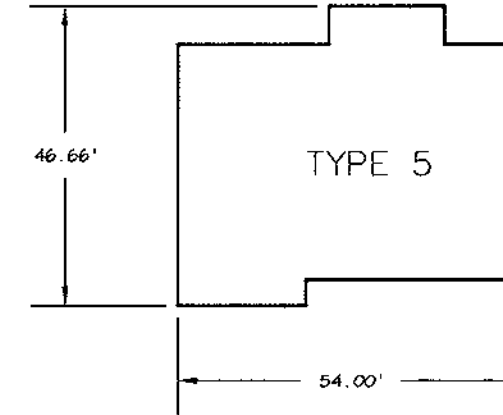
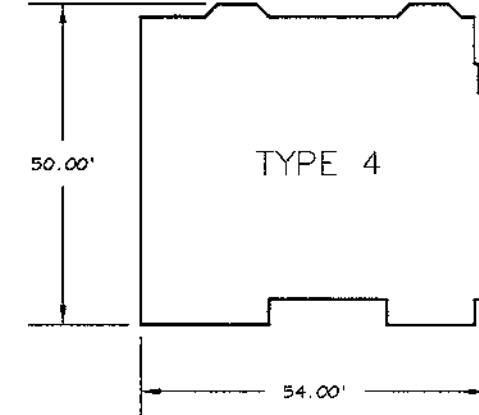
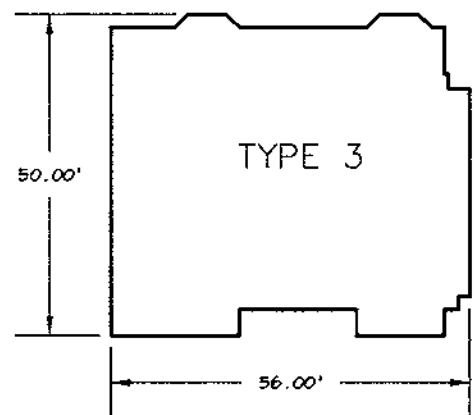
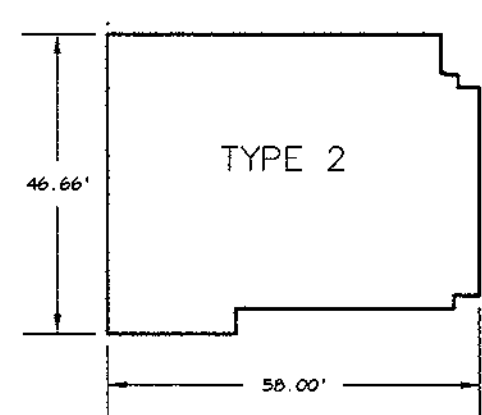
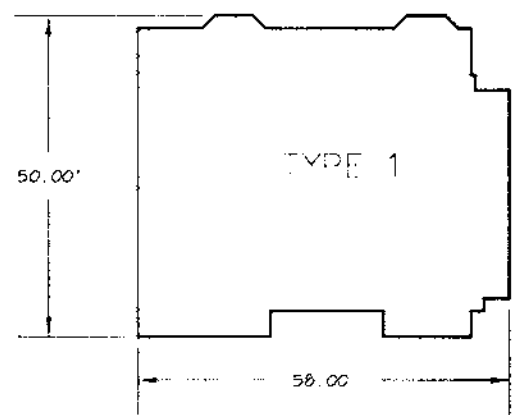
4-25-01	ADD OPTIONAL WELLED EXIT TO MORDE HOUSE TYPE ON LOT 18	
3-30-01	ADD OPTIONAL MORN. ROOM TO HSE TYPE ON LOT 18	
DATE	NO.	REVISION
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.		
<i>[Signature]</i>		8/6/99 DATE
DIRECTOR		8/3/99 DATE
<i>[Signature]</i>		8/6/99 DATE
CHIEF, DEVELOPMENT-ENGINEERING DIVISION		8/6/99 DATE
<i>[Signature]</i>		8/6/99 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT		8/6/99 DATE
12-18-00	REVISSE HOUSE TYPE ON LOT 20.	
01-27-00	REVISED SPOT ELEVATIONS TO LOT 19-28 AND TO CHANGE GRADING.	
DATE	NO.	REVISION
OWNER / DEVELOPER		
WILBEN LLLP c/o PULTE HOME CORPORATION 1501 S. EDENWOOD STREET, SUITE K BALTIMORE, MARYLAND 21221 410-644-5603		
PROJECT CLARKS GLEN NORTH LOTS 1 - 38		
AREA PARCEL 205 & P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		
TITLE SITE DEVELOPMENT PLAN LOTS 18-28		
RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282		
DATE		DESIGNED BY: C.J.R.
DRAWN BY: K.E.V.		PROJECT NO: 97016/FINALS SDP4.DWG
DATE: JULY 23, 1999		SCALE: 1" = 30'
DRAWING NO. 4 OF 9		

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**HOUSE TYPE SUMMARY CHART**

GENERIC BLOCK 1	⚠ ALL HOUSE TYPES WITH ANY OPTIONS EXCEPT OPTIONAL SUNROOM OF ROCKINGHAM AND OPTIONAL MORNING ROOM OF ASHVILLE
GENERIC BLOCK 2	⚠ ALL HOUSE TYPES EXCEPT BARCLAY, THE OPTIONAL SUNROOM OF ROCKINGHAM AND THE OPTIONAL MORNING ROOM OF ASHVILLE
GENERIC BLOCK 3	⚠ ALL HOUSE TYPES EXCEPT BRIARWOOD, OPTIONAL SUNROOM OF ROCKINGHAM AND OPTIONAL MORNING ROOM OF ASHVILLE
GENERIC BLOCK 4	⚠ BARCLAY, MONROE, ASHVILLE W/O OPT. MORNING ROOM, ASHTON II, ROCKINGHAM W/O OPT. SUNROOM.
GENERIC BLOCK 5	⚠ ASHVILLE, MONROE, ROCKINGHAM WITHOUT OPTIONAL SUNROOM AND ASHTON WITHOUT OPTIONAL MORNING ROOM!

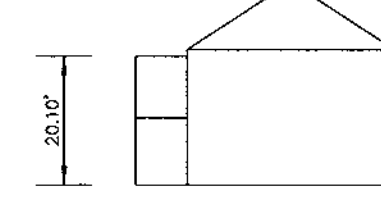
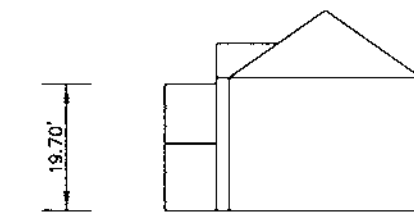
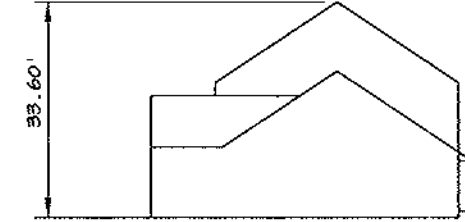
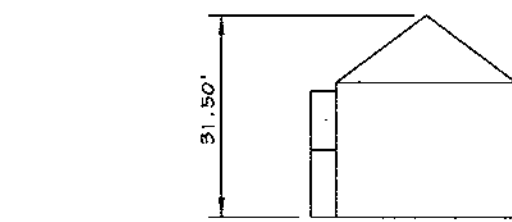
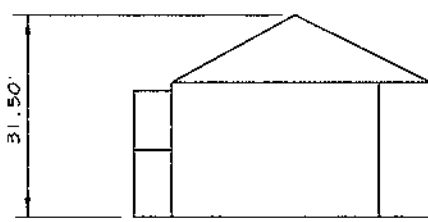
**NOTE**  
 ⚠ THE OPTIONAL MORNING ROOM FOR THE ASHVILLE AND THE OPTIONAL SUNROOM FOR THE ROCKINGHAM DO NOT FIT IN ANY OF THE HOUSE TYPE GENERIC BLOCKS. HOWEVER, THOSE OPTIONS MAY BE ALLOWED BASED ON A LOT BY LOT REVIEW TO ENSURE THAT THE OPTION DOES NOT ENCRUCH INTO ANY REQUIRED SETBACK. REFER TO THE OPTIONS CHART FOR A SUMMARY OF APPROVED OPTIONS FOR EACH LOT.



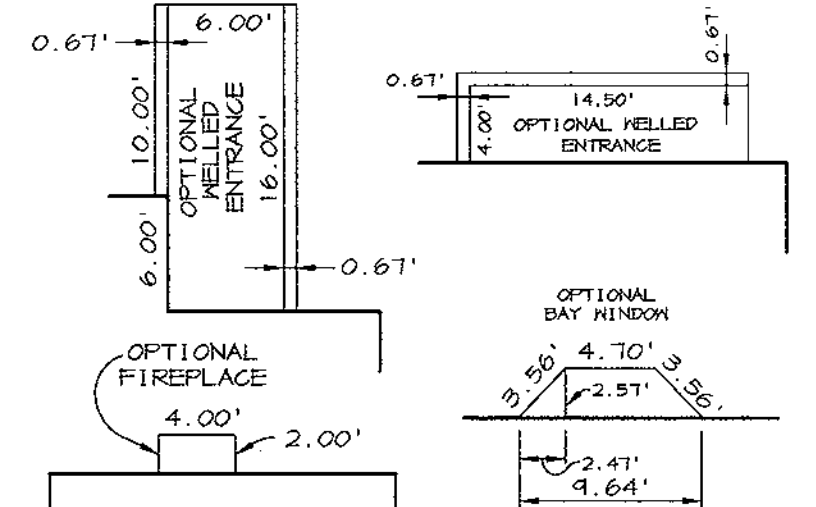
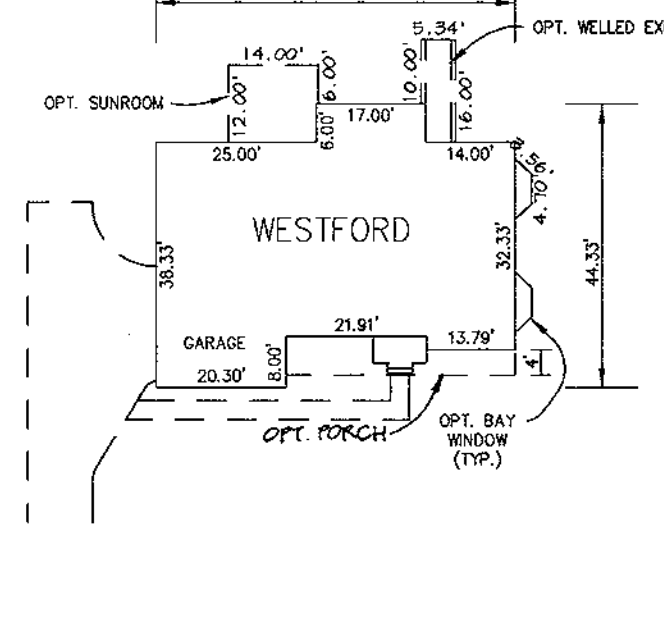
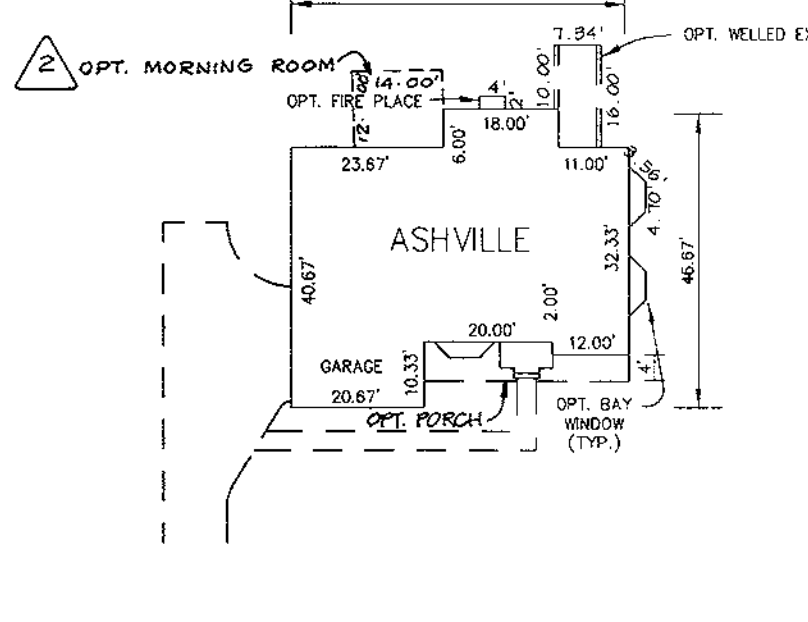
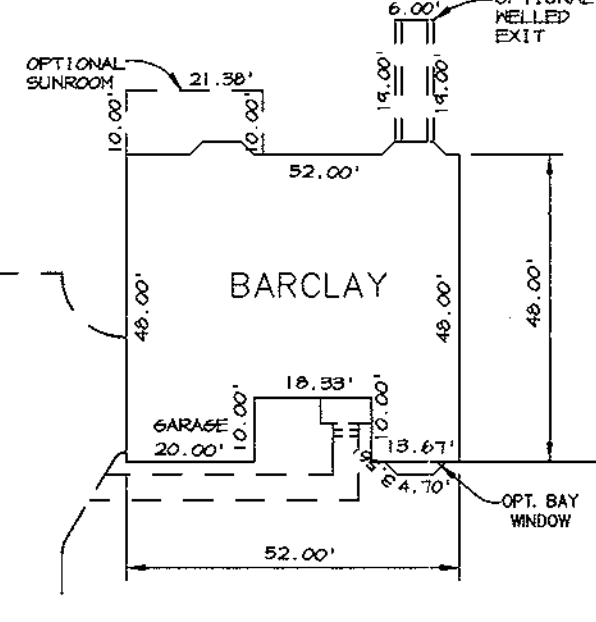
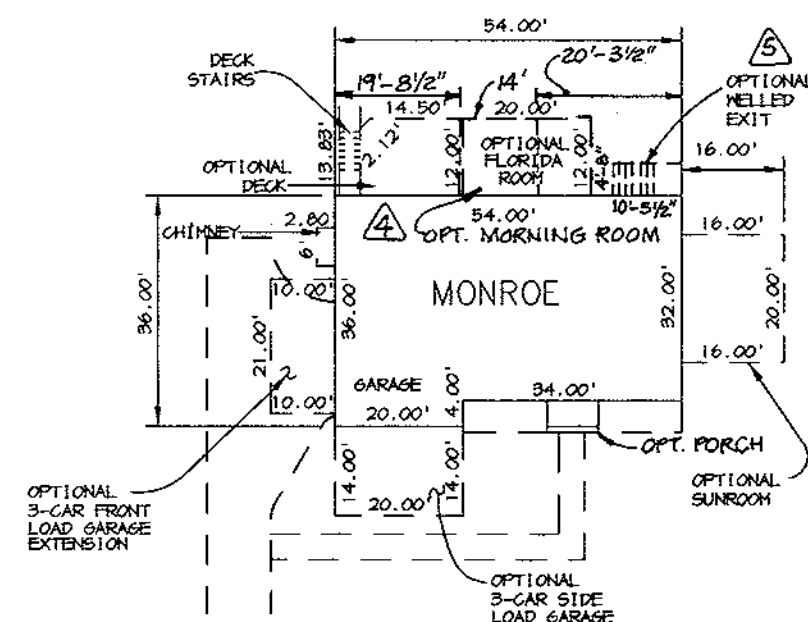
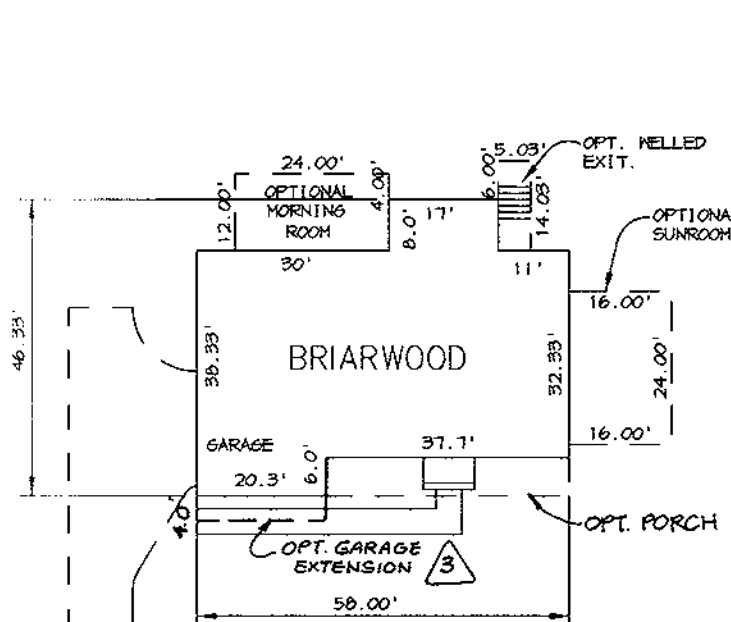
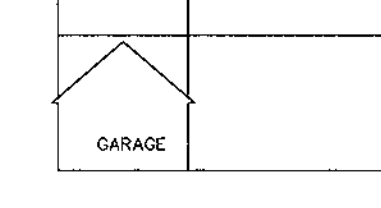
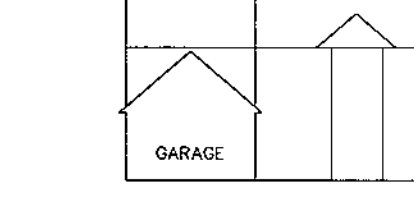
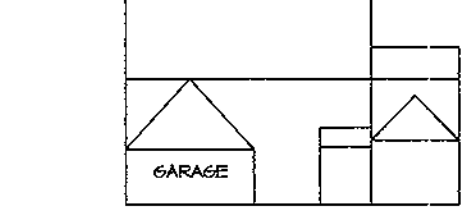
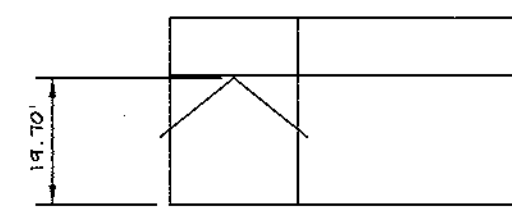
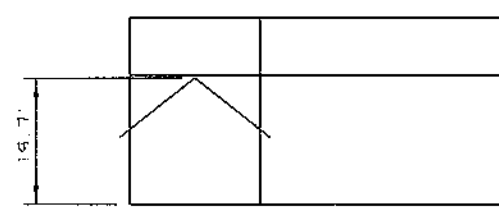
**GENERIC BLOCKS**

SCALE: 1"=30'

**SIDE VIEW**



**FRONT VIEW**



**OPTIONS**

SCALE: 1"=10'

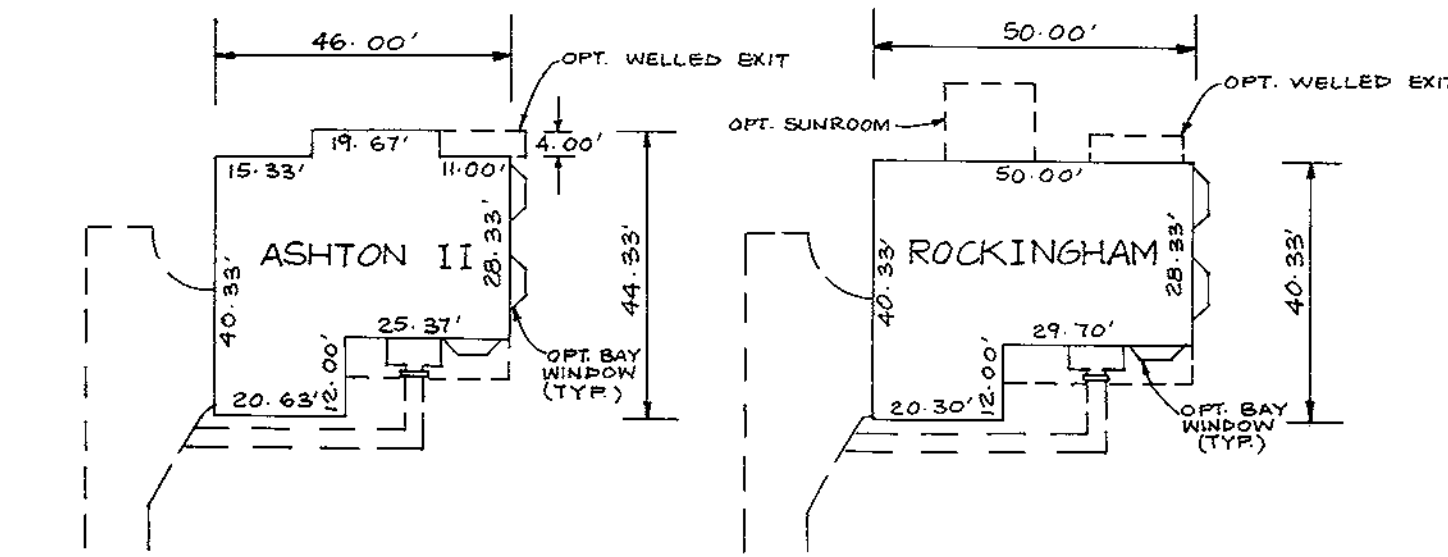
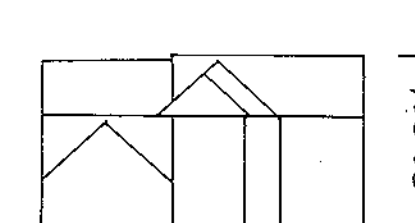
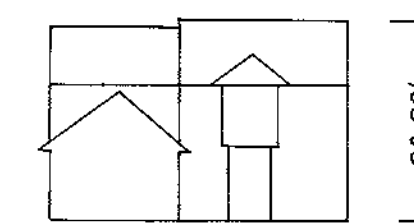
**OPTIONS CHART**

LOT #	BOX TYPE	ASHTON II	ROCKINGHAM
1	1	2, 5, 12	2, 5, 7, 12
2	1	2, 5, 12	2, 5, 7, 12
3	1	2, 5, 12	2, 5, 7, 12
4	1	2, 5, 12	2, 5, 7, 12
5	1	2, 5, 12	2, 5, 7, 12
6	1	2, 5, 12	2, 5, 7, 12
7	1	2, 5, 12	2, 5, 7, 12
8	5		2, 5, 7, 12
9	1	2, 5, 12	2, 5, 7, 12
10	1	2, 5, 12	2, 5, 7, 12
11	1	2, 5, 12	2, 5, 7, 12
12	1	2, 5, 12	2, 5, 7, 12
13	1	2, 5, 12	2, 5, 7, 12
14	5		2, 5, 7, 12
15	1	2, 5, 12	2, 5, 7, 12
16	1	2, 5, 12	2, 5, 7, 12
17	3	2, 5, 12	2, 5, 7, 12
18	MONROE		
19	1	2, 5, 12	2, 5, 7, 12
20	1	2, 5, 12	2, 5, 7, 12
21	1	2, 5, 12	2, 5, 7, 12
22	1	2, 5, 12	2, 5, 7, 12
23	1	2, 5, 12	2, 5, 7, 12
24	1	2, 5, 12	2, 5, 7, 12
25	1	2, 5, 12	2, 5, 7, 12
26	1	2, 5, 12	2, 5, 7, 12
27	1	2, 5, 12	2, 5, 7, 12
28	5		2, 5, 7, 12
29	1	2, 5, 12	2, 5, 7, 12
30	2	2, 5, 12	2, 5, 7, 12
31	3	2, 5, 12	2, 5, 7, 12
32	1	2, 5, 12	2, 5, 7, 12
33	1	2, 5, 12	2, 5, 7, 12
34	4	2, 5, 12	2, 5, 7, 12
35	4	2, 5, 12	2, 5, 7, 12
36	5		2, 5, 12
37	1	2, 5, 12	2, 5, 7, 12
38	1	2, 5, 12	2, 5, 7, 12

**HOUSE TYPES**

SCALE: 1"=30'

**FRONT VIEW**



**HOUSE TYPES**

SCALE: 1"=30'

**OPTIONS CHART**

LOT #	BOX TYPE	BRIARWOOD	MONROE	BARCLAY	ASHVILLE	WESTFORD	LOT #	BOX TYPE	BRIARWOOD	MONROE	BARCLAY	ASHVILLE	WESTFORD
1	1	1, 2, 5	2, 5, 6, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	20	1	1, 2, 5	2, 5, 6, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
2	1	1, 2, 5	2, 5, 6, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	21	1	1, 2, 5	2, 5, 6, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
3	1	1, 2, 5	2, 5, 6, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	22	1	1, 2, 5	2, 5, 6, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
4	1	1, 2	2, 5, 6, 8, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	23	1	1, 2	2, 5, 6, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
5	1	1, 2, 5	2, 5, 6, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	24	1	1, 2, 5, 3	2, 5, 6, 8, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
6	1	1, 2, 5	2, 5, 6, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	25	1	1, 2, 5	2, 5, 6, 8, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
7	1	1, 2	2, 5, 6, 8, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	26	1	1, 2	2, 5, 6, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
8	5		2, 5, 6, 11		2, 5, 6, 13		27	1	1, 2	2, 5, 6, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
9	1	1, 2	2, 5, 6, 8, 11	12	2, 5, 6, 13	2, 5, 7, 12	28	5		2, 5, 6, 8, 11		2, 5, 6, 13	
10	1	1, 2, 5	2, 5, 6, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	29	1	1, 2, 5	2, 8, 11	2, 12	2, 5, 6, 13	2, 5, 7, 12
11	1	1, 2, 5	2, 5, 6, 8, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	30	2	1, 2			2, 5, 6, 13	2, 5, 7, 12
12	1	1, 2, 5	2, 5, 6, 8, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	31	3		2, 5, 6, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
13	1	1, 2, 5	2, 5, 6, 8, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	32	1	1, 2, 5	2, 5, 6, 8, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
14	5		2, 5, 6, 8, 11		2, 5, 6, 13		33	1	1, 2, 5	2, 5, 6, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12
15	1	1, 2, 5	2, 5, 6, 8, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12	34	4		2, 5, 6, 11	7, 12	2, 5, 6, 13	
16	1	1, 2, 5	2, 5, 6, 8, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	35	4		2, 5, 6, 11	7, 12	2, 5, 6, 13	
17	3		2, 5, 6, 8, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12	36	5				5, 13	
18	MONROE		5, 11, 12				37	1	1, 5	2, 5, 6, 8, 11	7, 12	2, 5, 6, 13	5, 7, 12
19	1	1, 2, 5	2, 5, 6, 11	2, 7, 12	2, 5, 6, 13	2, 5, 7, 12	38	1	1, 2, 5	2, 5, 6, 8, 11	7, 12	2, 5, 6, 13	2, 5, 7, 12

**LEGEND**

- 1 = OPTIONAL MORNING ROOM
  - 2 = OPTIONAL WELLED EXIT
  - 3 = OPTIONAL SIDE SUNROOM
  - 4 = OPTIONAL 3-CAR FRONT GARAGE
  - 5 = OPTIONAL FRONT PORCH
  - 6 = OPTIONAL CHIMNEY
  - 7 = OPTIONAL REAR SUNROOM
  - 8 = OPTIONAL FLORIDA ROOM
  - 9 = OPTIONAL 3-CAR SIDE GARAGE
  - 10 = OPTIONAL BAY WINDOW CHIMNEY
  - 11 = OPTIONAL DECK
  - 12 = OPTIONAL BAY WINDOW
  - 13 = OPTIONAL FIREPLACE
- ⊠ INDICATES THAT A MODEL IS NOT AVAILABLE FOR THE BOX TYPE.

DATE	NO.	REVISION
4-25-01	1	MODIFY OPTIONAL WELLED EXIT & OPTIONS CHART TO MONROE HOUSE TYPE.
3-30-01	4	ADD OPTIONAL MORN. ROOM TO MONROE HOUSE TYPE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*James S. Gutter* 8/6/99 DATE  
 DIRECTOR

*Chad Hamlett* 8/6/99 DATE  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

*Chad Hamlett* 8/6/99 DATE  
 CHIEF, DIVISION OF LAND DEVELOPMENT

4-18-00/3 ADDED GARAGE EXTENSION TO BRIARWOOD

3-14-00/2 ADDED ASHTON II AND ROCKINGHAM TO HOUSE TYPES & OPT. MORNING RM. TO ASHVILLE & CONT. OPTIONS CHART

OWNER / DEVELOPER  
 MILBEN LLLP  
 C/O PULTE HOME CORPORATION  
 1501 S. EDGEWOOD STREET, SUITE K  
 BALTIMORE, MARYLAND 21227  
 410-644-5603

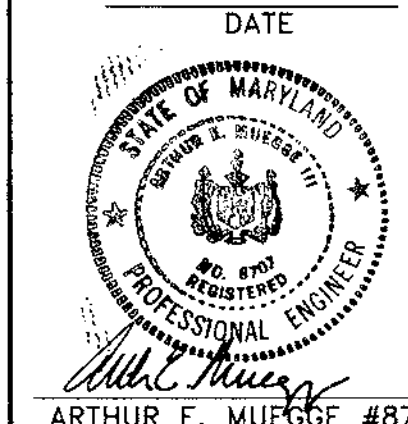
PROJECT **CLARKS GLEN NORTH**  
 LOTS 1 - 38

AREA PARCEL 205 & P/O 204  
 TAX MAP 34 ZONED R-12  
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

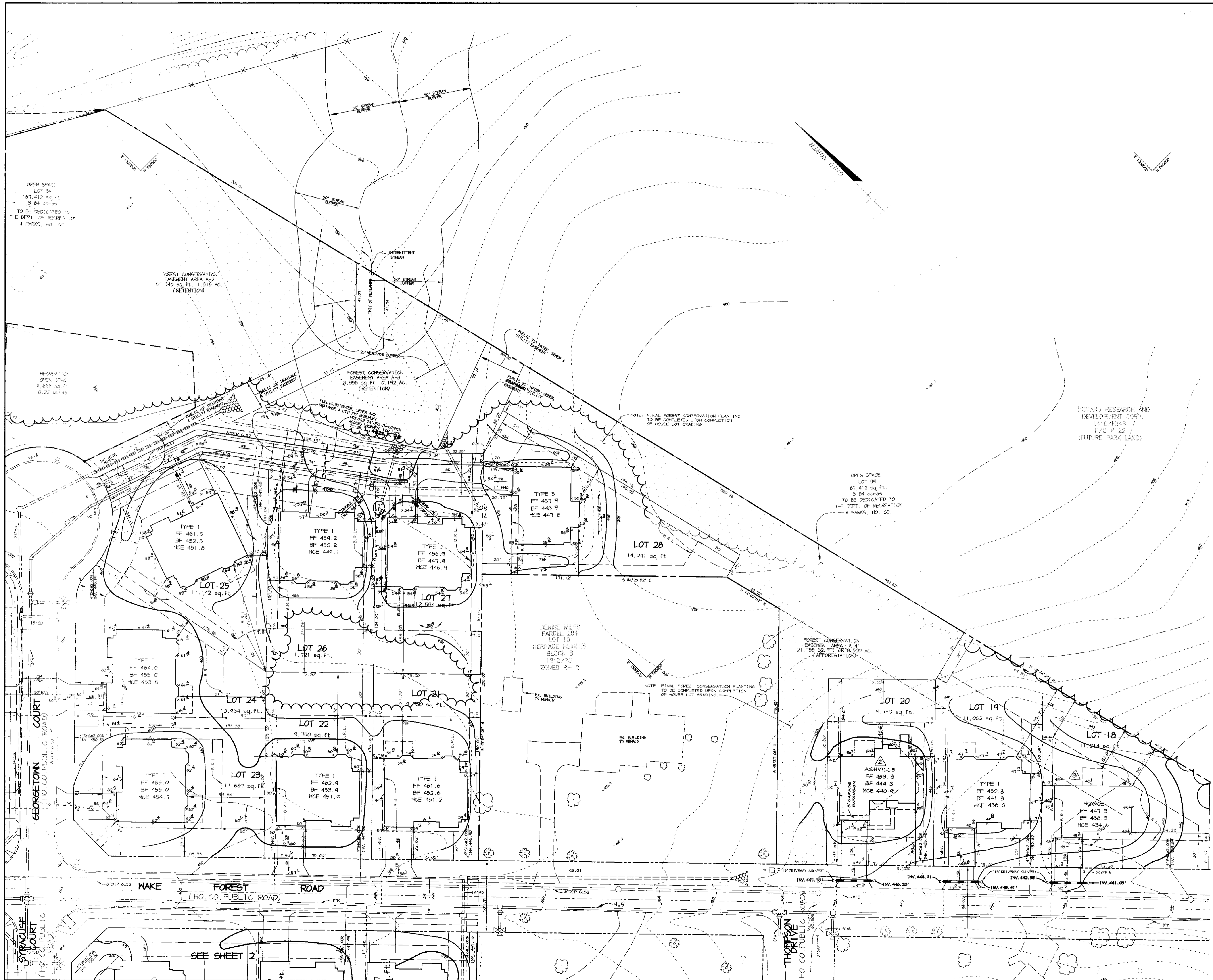
TITLE **HOUSE DETAILS**

**RIEMER MUEGGE & ASSOCIATES, INC.**  
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
 8818 Centre Park Drive, Columbia, Maryland 21045  
 tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY :	C.J.R.
	DRAWN BY :	R.J.C.
	PROJECT NO :	97016/FINALS SDP4.DWG
	DATE :	JULY 23, 1999
	SCALE :	AS SHOWN
	DRAWING NO. :	9 OF 9







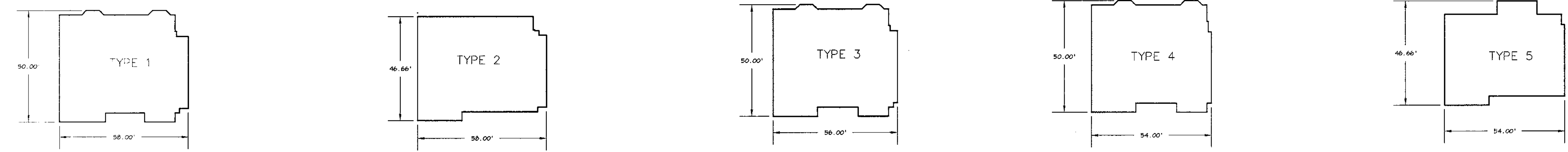
3-30-01	ADD OPTIONAL MORN. ROOM TO HSE TYPE ON LOT 18
DATE NO.	REVISION
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>[Signature]</i>	8/6/99 DATE
DIRECTOR	8/3/99 DATE
<i>[Signature]</i>	8/6/99 DATE
CHIEF, DEVELOPMENT-ENGINEERING DIVISION	CHIEF, DIVISION OF LAND DEVELOPMENT
12-18-00	REVISED HOUSE TYPE ON LOT 20
01-27-00	REVISED SPOT ELEVATIONS TO LOT 19-28 AND TO CHANGE GRADING.
DATE NO.	REVISION
OWNER / DEVELOPER	
MILBEN LLLP c/o FULTE HOME CORPORATION 1501 S. EDESMOOD STREET, SUITE K BALTIMORE, MARYLAND 21227 410-644-5603	
PROJECT <b>CLARKS GLEN NORTH</b> LOTS 1 - 30	
AREA PARCEL 205 & P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE <b>SITE DEVELOPMENT PLAN</b> LOTS 18-28	
<b>RIEMER MUEGGE &amp; ASSOCIATES, INC.</b> ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282	
DATE	DESIGNED BY : C.J.R.
	DRAWN BY: K.E.V.
	PROJECT NO : 97016/FINALS SDP4.DWG
	DATE : JULY 23, 1999
	SCALE : 1" = 30'
ARTHUR E. MUEGGE #8707	DRAWING NO. 4 OF 9

M:\PUBLIC\1997\FINAL SYSTEMS\4.106 - Thu Jul 29 14:10:21 1999

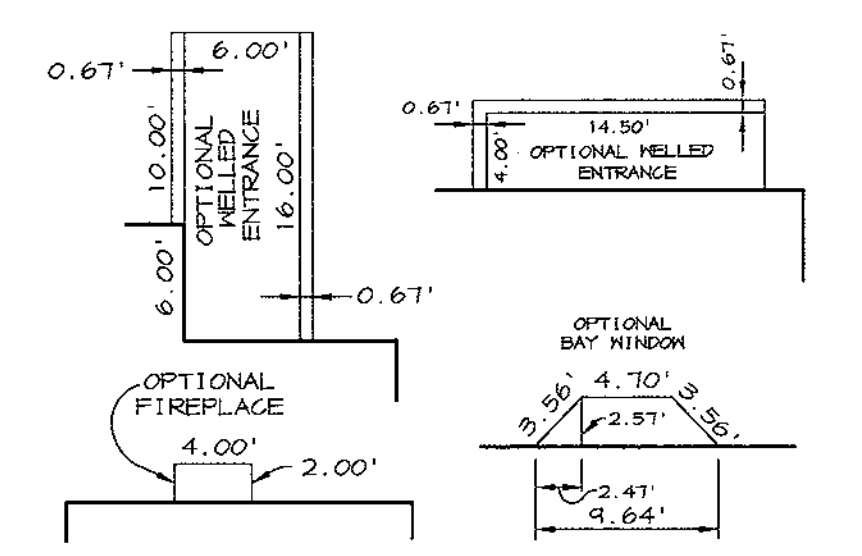
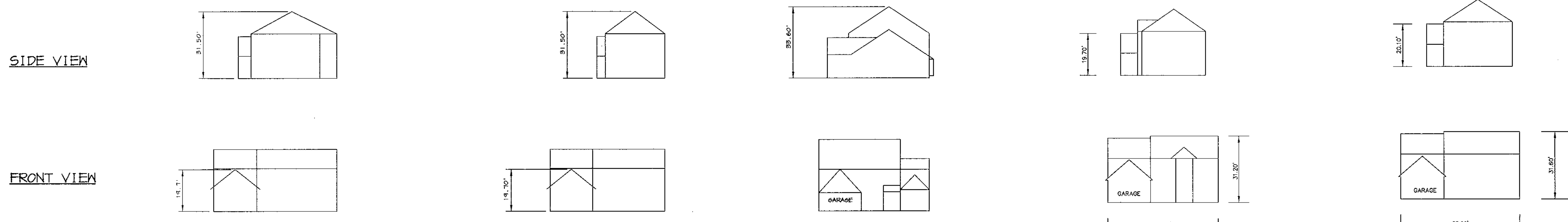
HOUSE TYPE SUMMARY CHART

GENERIC BLOCK 1	⚠ ALL HOUSE TYPES WITH ANY OPTIONS EXCEPT OPTIONAL SUNROOM OF ROCKINGHAM AND OPTIONAL MORNING ROOM OF ASHVILLE
GENERIC BLOCK 2	⚠ ALL HOUSE TYPES EXCEPT BARCLAY, THE OPTIONAL SUNROOM OF ROCKINGHAM AND THE OPTIONAL MORNING ROOM OF ASHVILLE
GENERIC BLOCK 3	⚠ ALL HOUSE TYPES EXCEPT BRIARWOOD, OPTIONAL SUNROOM OF ROCKINGHAM AND OPTIONAL MORNING ROOM OF ASHVILLE
GENERIC BLOCK 4	⚠ BARCLAY, MONROE, ASHVILLE W/O OPT. MORNING ROOM, ASHTON II, ROCKINGHAM W/O OPT. SUNROOM.
GENERIC BLOCK 5	⚠ ASHVILLE, MONROE, ROCKINGHAM WITHOUT OPTIONAL SUNROOM AND ASHTON WITHOUT OPTIONAL MORNING ROOM.

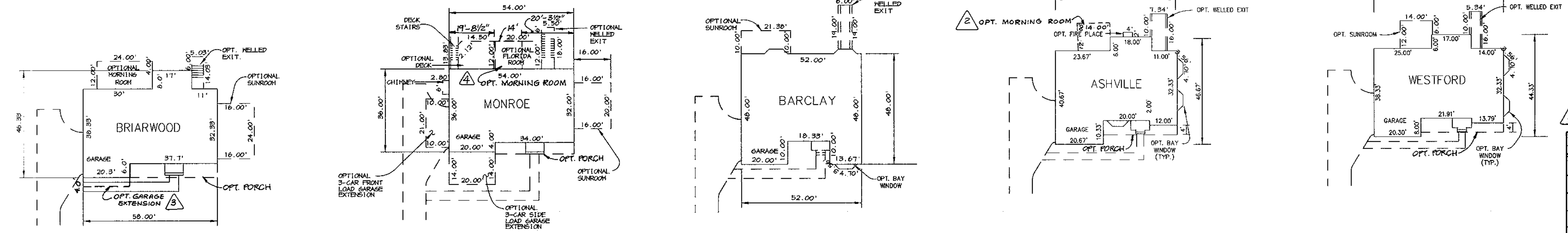
**NOTE**  
 ⚠ THE OPTIONAL MORNING ROOM FOR THE ASHVILLE AND THE OPTIONAL SUNROOM FOR THE ROCKINGHAM DO NOT FIT IN ANY OF THE HOUSE TYPE GENERIC BLOCKS. HOWEVER, THOSE OPTIONS MAY BE ALLOWED BASED ON A LOT BY LOT REVIEW TO ENSURE THAT THE OPTION DOES NOT ENCRoACH INTO ANY REQUIRED SETBACK. REFER TO THE OPTIONS CHART FOR A SUMMARY OF APPROVED OPTIONS FOR EACH LOT.



GENERIC BLOCKS  
 SCALE: 1"=30'

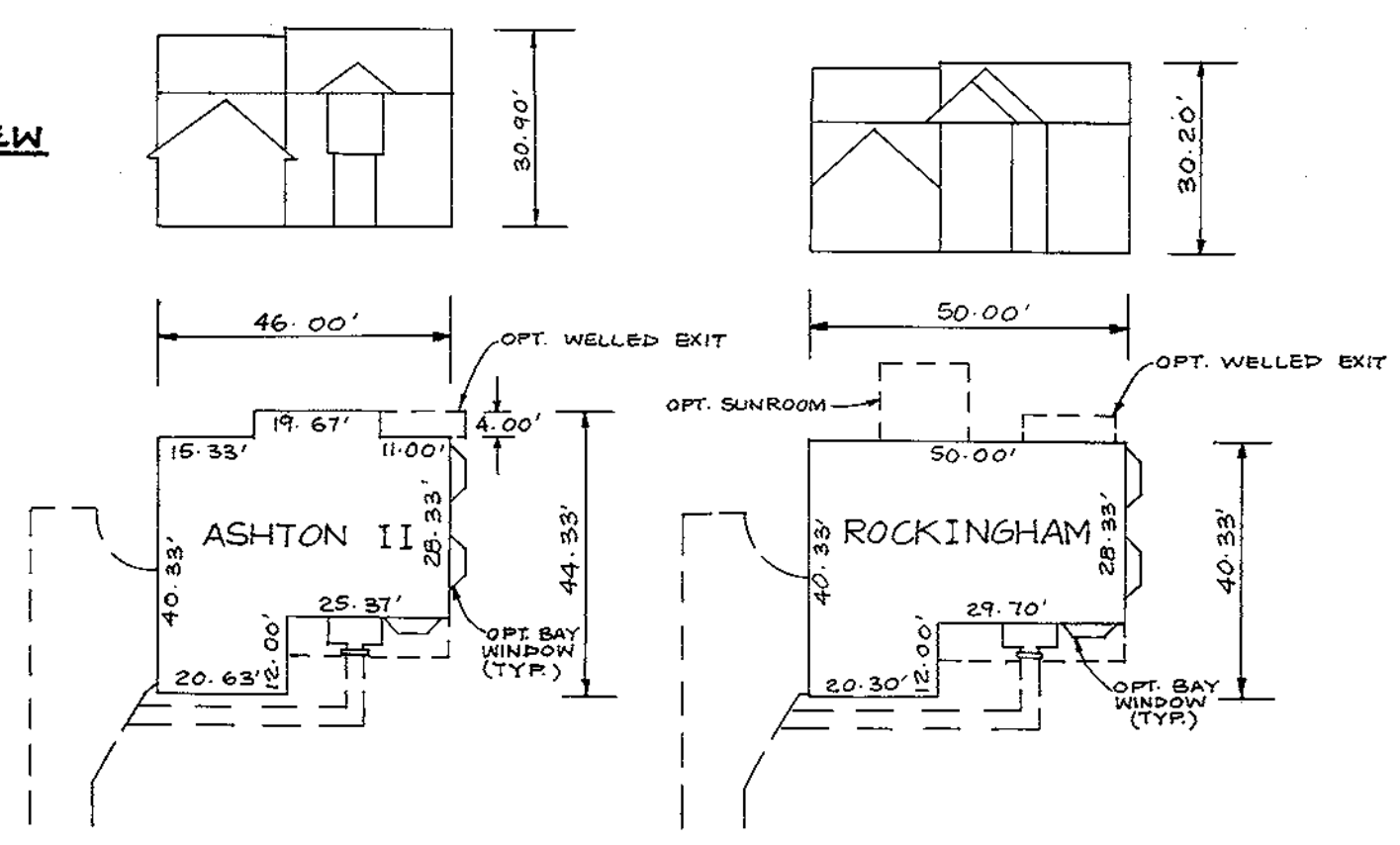


OPTIONS  
 SCALE: 1"=10'



HOUSE TYPES  
 SCALE: 1"=30'

FRONT VIEW



HOUSE TYPES  
 SCALE: 1"=30'

OPTIONS CHART

LOT #	BOX TYPE	BRIARWOOD	MONROE	BARCLAY	ASHVILLE	WESTFORD	LOT #	BOX TYPE	BRIARWOOD	MONROE	BARCLAY	ASHVILLE	WESTFORD
1	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	20	1	1,2,5	2,5,6,11	7,12	2,5,6,13	2,5,7,12
2	1	1,2,5	2,4,5,6,11	2,7,12	2,5,6,13	2,5,7,12	21	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
3	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	22	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
4	1	1,2	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	23	1	1,2	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
5	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	24	1	1,2,5,8	2,3,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12
6	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	25	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12
7	1	1,2	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	26	1	1,2	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
8	5	1,2	2,5,6,11	12	2,5,6,13	2,5,7,12	27	1	1,2	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
9	1	1,2	2,5,6,8,11	12	2,5,6,13	2,5,7,12	28	5	1,2	2,5,6,8,11	12	2,5,6,13	2,5,7,12
10	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	29	1	1,2,5	2,5,6,11	2,12	2,5,6,13	2,5,7,12
11	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	30	2	1,2	2,8,11	12	2,5,6,13	2,5,7,12
12	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	31	8	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
13	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	32	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12
14	5	1,2,5	2,5,6,8,11	12	2,5,6,13	2,5,7,12	33	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
15	1	1,2,5	2,5,6,8,11	7,12	2,5,6,13	2,5,7,12	34	4	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
16	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	35	4	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12
17	3	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12	36	5	1,2,5	2,5,6,8,11	7,12	2,5,6,13	2,5,7,12
18	MONROE	5,11,1	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	37	1	1,5	2,5,6,8,11	7,12	2,5,6,13	2,5,7,12
19	1	1,2,5	2,5,6,11	2,7,12	2,5,6,13	2,5,7,12	38	1	1,2,5	2,5,6,8,11	2,7,12	2,5,6,13	2,5,7,12

**LEGEND**  
 1 = OPTIONAL MORNING ROOM  
 2 = OPTIONAL HELLED EXIT  
 3 = OPTIONAL SIDE SUNROOM  
 4 = OPTIONAL 3-CAR FRONT GARAGE  
 5 = OPTIONAL FRONT PORCH  
 6 = OPTIONAL CHIMNEY  
 7 = OPTIONAL REAR SUNROOM  
 8 = OPTIONAL FLORIDA ROOM  
 9 = OPTIONAL 3-CAR SIDE GARAGE  
 10 = OPTIONAL BAY WINDOW CHIMNEY  
 11 = OPTIONAL DECK  
 12 = OPTIONAL BAY WINDOW  
 13 = OPTIONAL FIREPLACE  
 X INDICATES THAT A MODEL IS NOT AVAILABLE FOR THE BOX TYPE.

OPTIONS CHART

LOT #	BOX TYPE	ASHTON II	ROCKINGHAM
1	1	2,5,12	2,5,7,12
2	1	2,5,12	2,5,7,12
3	1	2,5,12	2,5,7,12
4	1	2,5,12	2,5,7,12
5	1	2,5,12	2,5,7,12
6	1	2,5,12	2,5,7,12
7	1	2,5,12	2,5,7,12
8	5	2,5,12	2,5,7,12
9	1	2,5,12	2,5,7,12
10	1	2,5,12	2,5,7,12
11	1	2,5,12	2,5,7,12
12	1	2,5,12	2,5,7,12
13	1	2,5,12	2,5,7,12
14	5	2,5,12	2,5,7,12
15	1	2,5,12	2,5,7,12
16	1	2,5,12	2,5,7,12
17	3	2,5,12	2,5,7,12
18	MONROE	2,5,12	2,5,7,12
19	1	2,5,12	2,5,7,12
20	1	2,5,12	2,5,7,12
21	1	2,5,12	2,5,7,12
22	1	2,5,12	2,5,7,12
23	1	2,5,12	2,5,7,12
24	1	2,5,12	2,5,7,12
25	1	2,5,12	2,5,7,12
26	1	2,5,12	2,5,7,12
27	1	2,5,12	2,5,7,12
28	5	2,5,12	2,5,7,12
29	1	2,5,12	2,5,7,12
30	2	2,5,12	2,5,7,12
31	3	2,5,12	2,5,7,12
32	1	2,5,12	2,5,7,12
33	1	2,5,12	2,5,7,12
34	4	2,5,12	2,5,7,12
35	4	2,5,12	2,5,7,12
36	5	2,5,12	2,5,7,12
37	1	2,5,12	2,5,7,12
38	1	2,5,12	2,5,7,12

3-30-01	ADD OPTIONAL MORNING ROOM TO MONROE HOUSE TYPE	
DATE	NO.	REVISION
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.		
<i>James S. Butler</i>	8/6/99	DATE
DIRECTOR		
<i>Clayton Hamilton</i>	8/3/99	DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION		
<i>Clayton Hamilton</i>	8/6/99	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT		
4-18-00	ADDED GARAGE EXTENSION TO BRIARWOOD	
3-14-00	ADDED ASHTON II AND ROCKINGHAM TO HOUSE TYPES & OPT. MORNING RM. TO ASHVILLE & CONT. OPTIONS CHART	
DATE	NO.	REVISION

OWNER / DEVELOPER  
 NTLBEN L.L.P.  
 c/o PULTE HOME CORPORATION  
 1501 S. EDGEWOOD STREET, SUITE K  
 BALTIMORE, MARYLAND 21227  
 410-644-5603

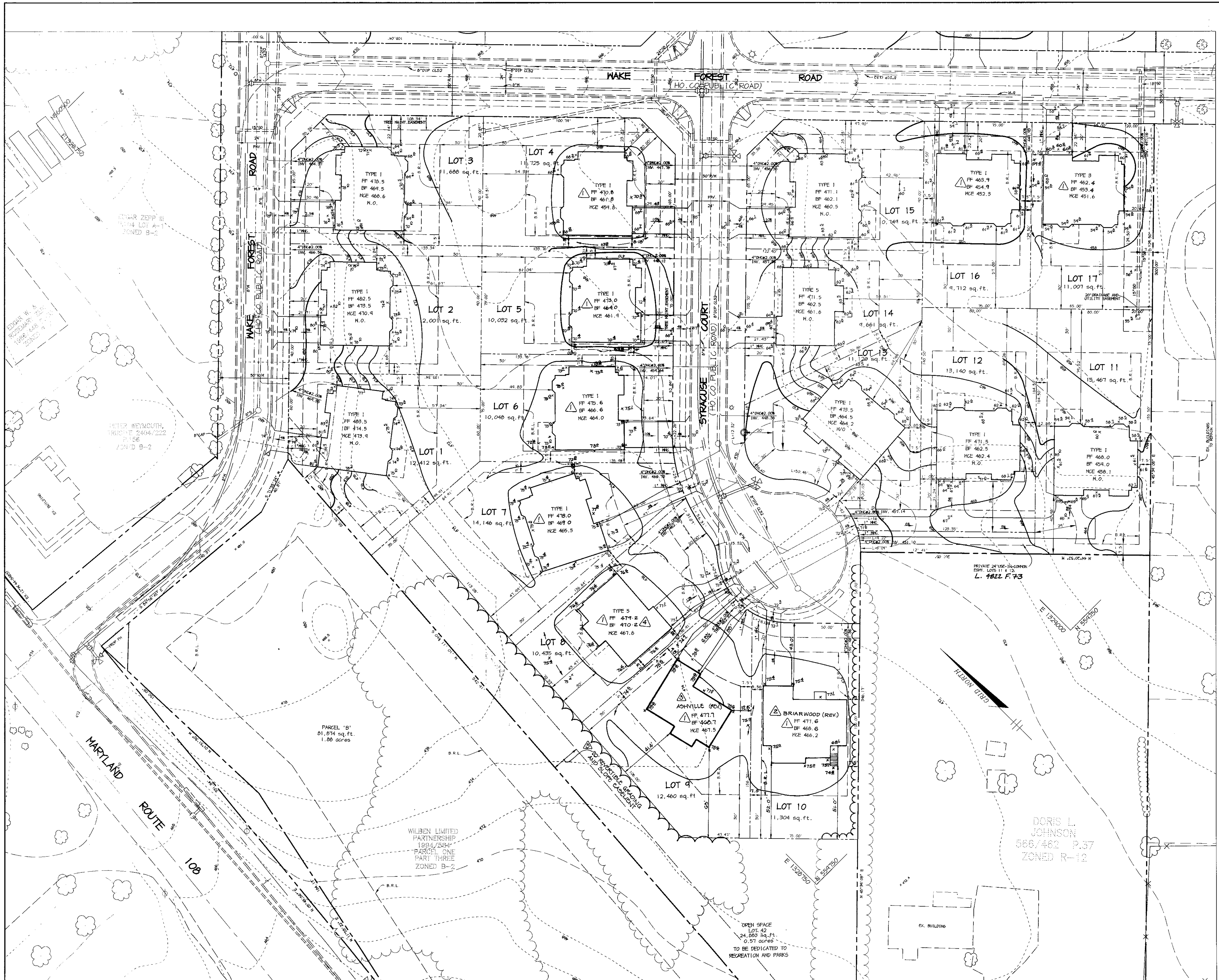
PROJECT **CLARKS GLEN NORTH**  
 LOTS 1 - 38

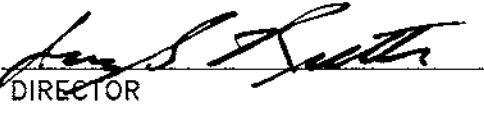


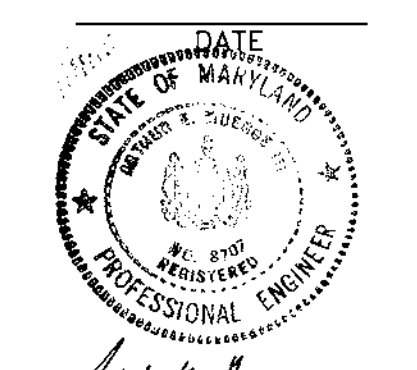
AREA PARCEL 205 & P/O 204  
 TAX MAP 34 ZONED R-12  
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE **HOUSE DETAILS**

**RIEMER MUEGGE & ASSOCIATES, INC.**  
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
 8818 Centre Park Drive, Columbia, Maryland 21045  
 tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY: C.J.R.
	DRAWN BY: R.J.C.
	PROJECT NO: 97016/FINALS SDP9.DWG
DATE: JULY 23, 1999	SCALE: AS SHOWN
ARTHUR E. MUEGGE #8707	DRAWING NO. 9 OF 9



11-14-00	△	MODIFIED FF ELEV. & ASSOCIATED GRADING LOTS 8.
0-8-00	△	REV. HOUSE TYPE 1 FOR LOT 1 ADDED REVERSIBLE DRIVE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.		
 DIRECTOR		8/6/99 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION		8/3/99 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT		8/6/99 DATE
04-18-00/2	△	REV. HOUSE TYPE LOT 10.
01-27-00	△	ADJUSTED FF & BF ELEVATIONS TO LOT 4-10 AND LOT 16 & 17 AND TO CHANGE GRADING.
DATE NO.		REVISION
OWNER / DEVELOPER		
MILBEN LLLP c/o FULTE HOME CORPORATION 1501 S. EDENWOOD STREET, SUITE K BALTIMORE, MARYLAND 21227 410-644-5603		
PROJECT		
<b>CLARKS GLEN NORTH</b> LOTS 1 - 38		
AREA		
PARCEL 205 & P/O 204 TAX MAP 34 ZONED R-12 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		
TITLE		
<b>SITE DEVELOPMENT PLAN</b> LOTS 1-17		
<b>RIEMER MUEGGE &amp; ASSOCIATES, INC.</b> ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282		
 ARTHUR E. MUEGGE #8707		DESIGNED BY : C.J.R. DRAWN BY: K.E.V. PROJECT NO : 97016/FINALS SDP2.DWG DATE : JULY 23, 1999 SCALE : 1" = 30' DRAWING NO. 2 OF 9

M:\PROJECT\17016\17016\SDP2.DWG Thu Jul 22 14:04:14 1999