

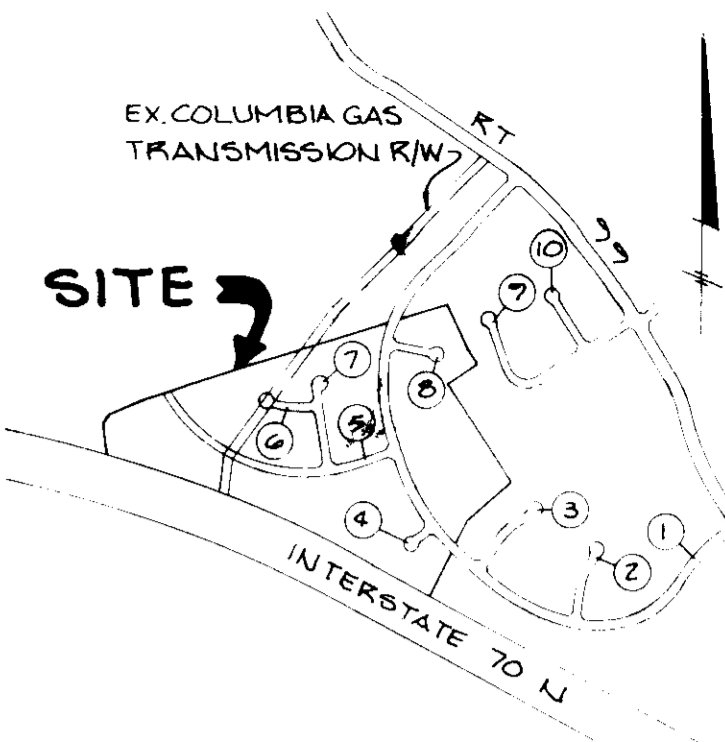
REVISIONS		
NO.	DATE	DESCRIPTION
1	11-10-93	REVISE MODEL LOT 55
2	1-19-94	REVISE MODEL LOT 149
3	1-19-94	REVISE MODEL LOT 151
4	8-12-94	REV. MODEL LOT 53
5	8-12-94	REV. MODEL LOT 54

F 90-126
EX. STONE OUTLET SEDIMENT TRAP#1

DRAINAGE AREA = 1.14 AC.
VOLUME REQUIRED = 77 CU.YDS.
VOLUME PROVIDED = 85 CU.YDS.
TOP DIMENSIONS = 20' X 45'
BOTTOM DIMENSIONS = 12' X 37'
WEIR CREST LENGTH = 101' X 37'
BOTTOM ELEVATION = 468.00
WEIR CREST ELEVATION = 472.0
CLEANOUT ELEVATION = 469.50
SIDE SLOPES = 1:1
DEPTH = 3'

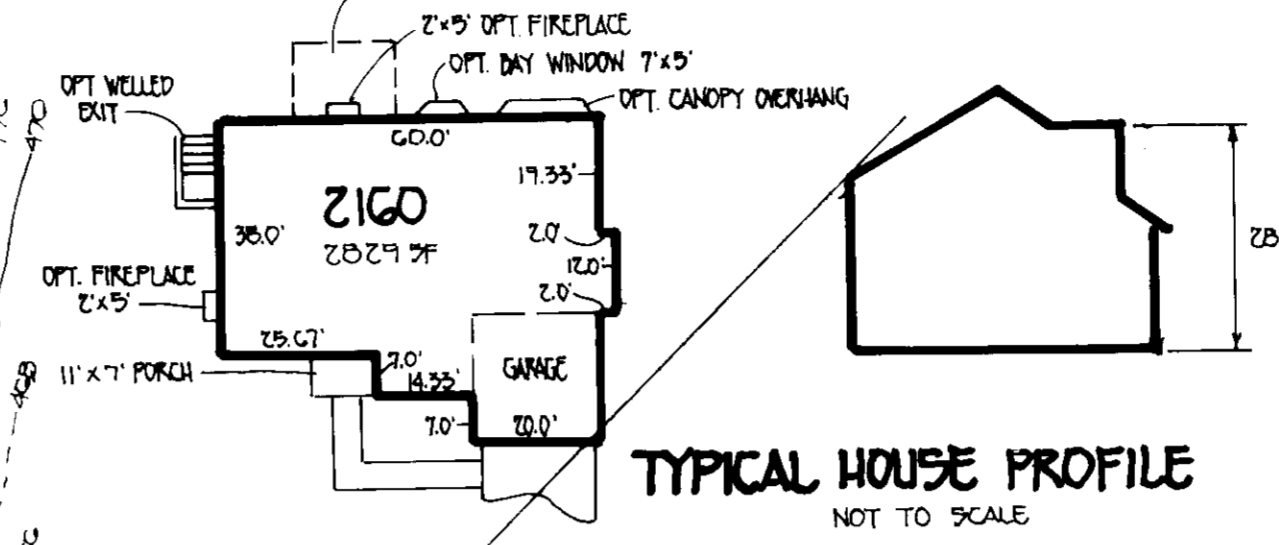
LOT #	TOTAL LOT AREA	FLAG/PIPE STEM LOT TABULATION AREA	STEEP SLOPE & FLOOD PLAIN AREA	RESULTING MINIMUM AREA
74	21,133 S.F.	3905 S.F.	-	17,228 S.F.
77	20,501 S.F.	5440 S.F.	-	15,061 S.F.
78	18,539 S.F.	3589 S.F.	-	14,950 S.F.
99	15,451 S.F.	1365 S.F.	-	14,086 S.F.
104	15,498 S.F.	1470 S.F.	-	14,028 S.F.
105	17,364 S.F.	3717 S.F.	-	14,147 S.F.
138	17,789 S.F.	3787 S.F.	-	14,002 S.F.
139	19,008 S.F.	3785 S.F.	-	15,223 S.F.
149	16,614 S.F.	733 S.F.	-	15,881 S.F.
150	17,445 S.F.	1597 S.F.	-	15,878 S.F.
151	22,545 S.F.	2439 S.F.	-	20,107 S.F.

- GENERAL NOTES:
- SUBJECT PROPERTY IS LOCATED ON TAX MAP NO. 16, PARCEL 22 AND P.O. 21.
 - PLAT REFERENCE: PLAT NO. 10409.
 - PRESENT ZONING IS R-20 (RESIDENTIAL-SINGLE).
 - MINIMUM SETBACKS:
FRONT: 30' (20,000 GREATER)
SIDE: 30' (FROM PUBLIC R/W)
REAR: 30'
 - TYPICAL HOUSE DIMENSIONS, SCHEMATIC PROFILES SEE THIS SHEET. DETAILS AND SEDIMENT CONTROL NOTES FOUND ON SHEET 6 OF 8 THRU 8 OF 8.
 - STREET TREES WILL BE PROVIDED UNDER F 90-126 BY THE DEVELOPER.
 - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK 301-792-2830.
 - THIS PLAN IS SUBJECT TO HP 90-29, DATED DECEMBER 26, 1989 (HP 90-29 - APPROVAL FROM SECTION 16.116.C.6 TO ALLOW DAM CONSTRUCTION WITHIN WETLAND AREA AND SECTION 16.116.C.6 TO ALLOW ROADWAY CONSTRUCTION ACROSS WETLAND AREA).
 - ALL FIREPLACE CHIMNEYS AND BAY WINDOWS NOT MORE THAN TEN FEET IN WIDTH MAY PROJECT NOT MORE THAN FOUR FEET INTO ANY REQUIRED YARD. (SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS.)
 - NOISE STUDY PREPARED BY WISDOM T. DALLARD COMPANY FOR F 90-126.



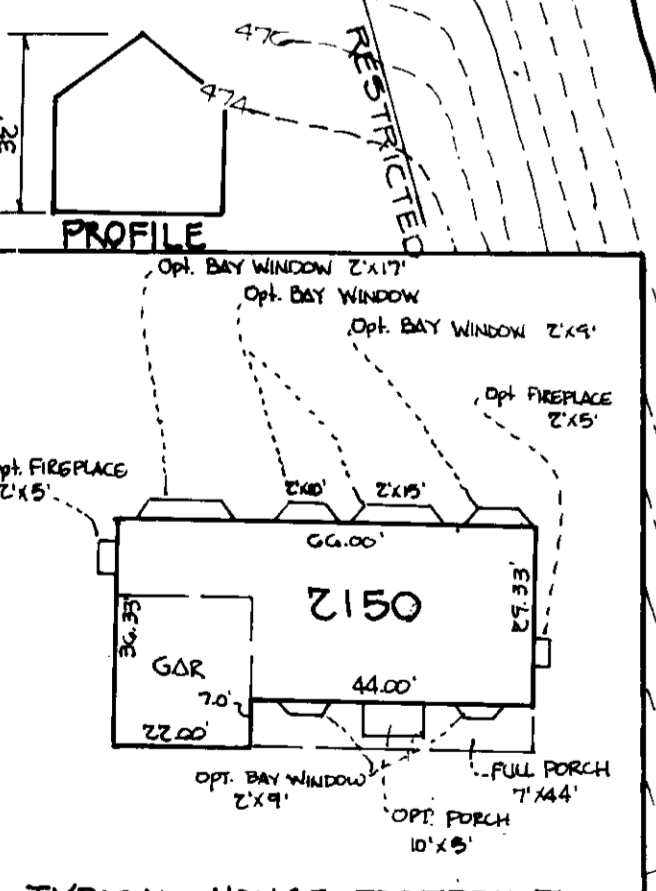
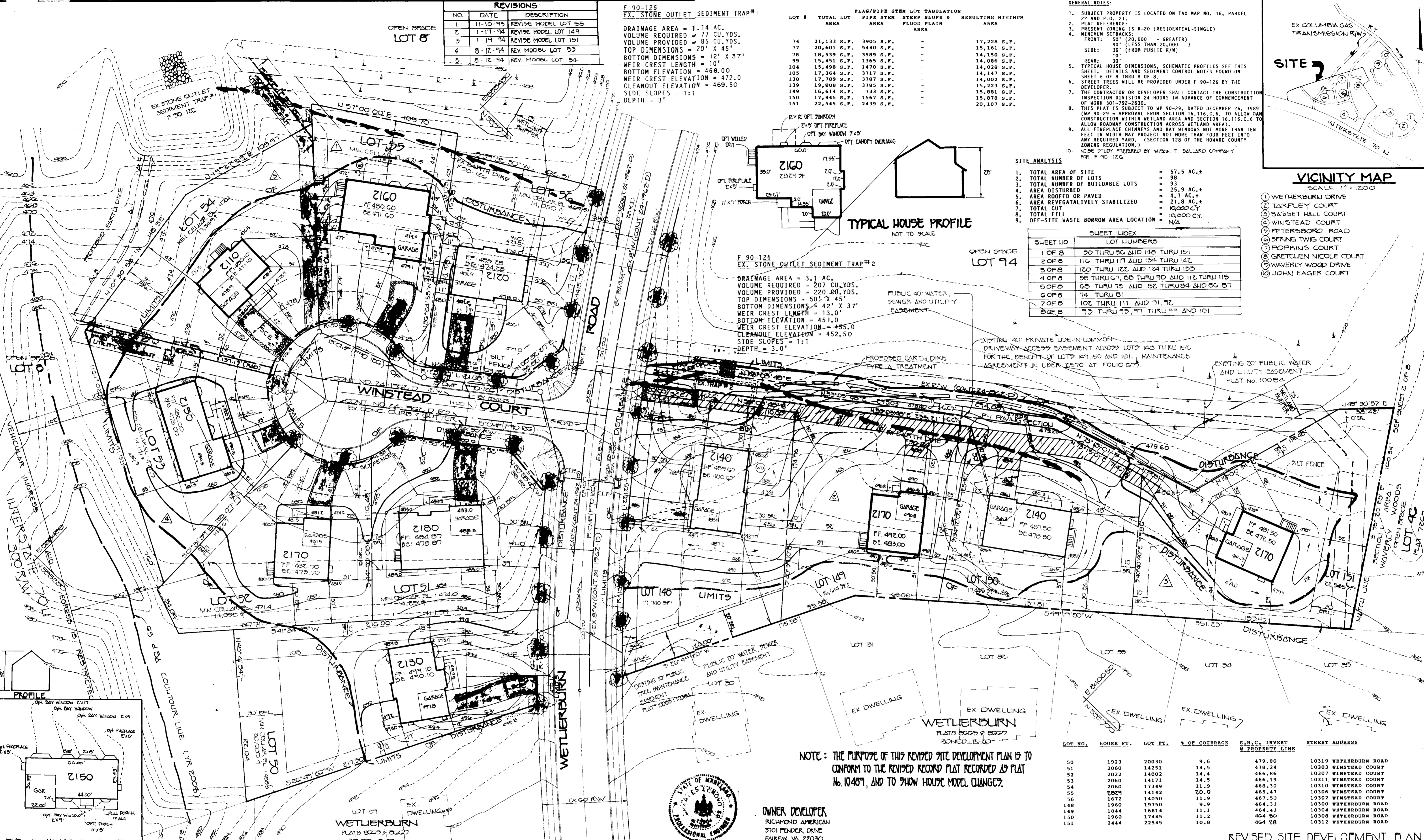
- SITE ANALYSIS
- TOTAL AREA OF SITE = 57.5 AC.±
 - TOTAL NUMBER OF LOTS = 98
 - TOTAL NUMBER OF BUILDABLE LOTS = 93
 - AREA DISTURBED = 25.9 AC.±
 - AREA ROOFED OR PAVED = 4.1 AC.±
 - AREA REVEGETATIVELY STABILIZED = 21.8 AC.±
 - TOTAL CUT = 10,000 CY
 - TOTAL FILL = 10,000 CY
 - OFF-SITE WASTE BORROW AREA LOCATION = N/A

SHEET NO.	LOT NUMBERS
1 OF 8	50 THRU 56 AND 140 THRU 151
2 OF 8	116 THRU 119 AND 154 THRU 142
3 OF 8	120 THRU 122 AND 124 THRU 133
4 OF 8	58 THRU 67, 68 THRU 90 AND 112 THRU 115
5 OF 8	65 THRU 75 AND 82 THRU 84 AND 86, 87
6 OF 8	74 THRU 81
7 OF 8	102 THRU 111 AND 91, 92
8 OF 8	93 THRU 95, 97 THRU 99 AND 101



F 90-126
EX. STONE OUTLET SEDIMENT TRAP#2

DRAINAGE AREA = 3.1 AC.
VOLUME REQUIRED = 207 CU.YDS.
VOLUME PROVIDED = 220 CU.YDS.
TOP DIMENSIONS = 50' X 45'
BOTTOM DIMENSIONS = 42' X 37'
WEIR CREST LENGTH = 13.0'
BOTTOM ELEVATION = 451.0
WEIR CREST ELEVATION = 455.0
CLEANOUT ELEVATION = 452.50
SIDE SLOPES = 1:1
DEPTH = 3.0'



NOTE: THE PURPOSE OF THIS REVISED SITE DEVELOPMENT PLAN IS TO CONFORM TO THE REVISED RECORD PLAT RECORDED AS PLAT NO. 10409, AND TO SHOW HOUSE MODEL CHANGES.

LOT NO.	HOUSE FT.	LOT FT.	% OF COVERAGE	S.H.C. INVERT @ PROPERTY LINE	STREET ADDRESS
50	1923	20030	9.6	479.80	10319 WETHERBURN ROAD
51	2060	14251	14.5	478.24	10303 WINSTEAD COURT
52	2022	14002	14.4	466.86	10307 WINSTEAD COURT
53	2060	14171	14.5	466.19	10311 WINSTEAD COURT
54	2060	17349	11.9	468.30	10310 WINSTEAD COURT
55	2027	14142	20.0	465.47	10306 WINSTEAD COURT
56	1672	14050	11.9	467.53	19302 WINSTEAD COURT
148	1960	19750	9.9	464.32	10300 WETHERBURN ROAD
149	1844	16614	11.1	464.43	10304 WETHERBURN ROAD
150	1960	17445	11.2	464.80	10308 WETHERBURN ROAD
151	2444	22545	10.8	464.28	10312 WETHERBURN ROAD

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLCOTT CITY, MD. 21043
(301) 461-2855

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.

8/14/93
DATE

DEVELOPER'S 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 DEPARTMENT OF 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.

8/23/93
DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

Janelle Keim 8/30/93
U.S. SOIL CONSERVATION SERVICE DATE

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

John R. Robertson 8/30/93
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPT. OF PLANNING AND ZONING

PLANNING DIRECTOR
Gina Summary 9/24/93
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

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

9-21-93
DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

9/15/93
DATE

CHIEF, BUREAU OF ENGINEERING M.K. 09/15/93
DATE

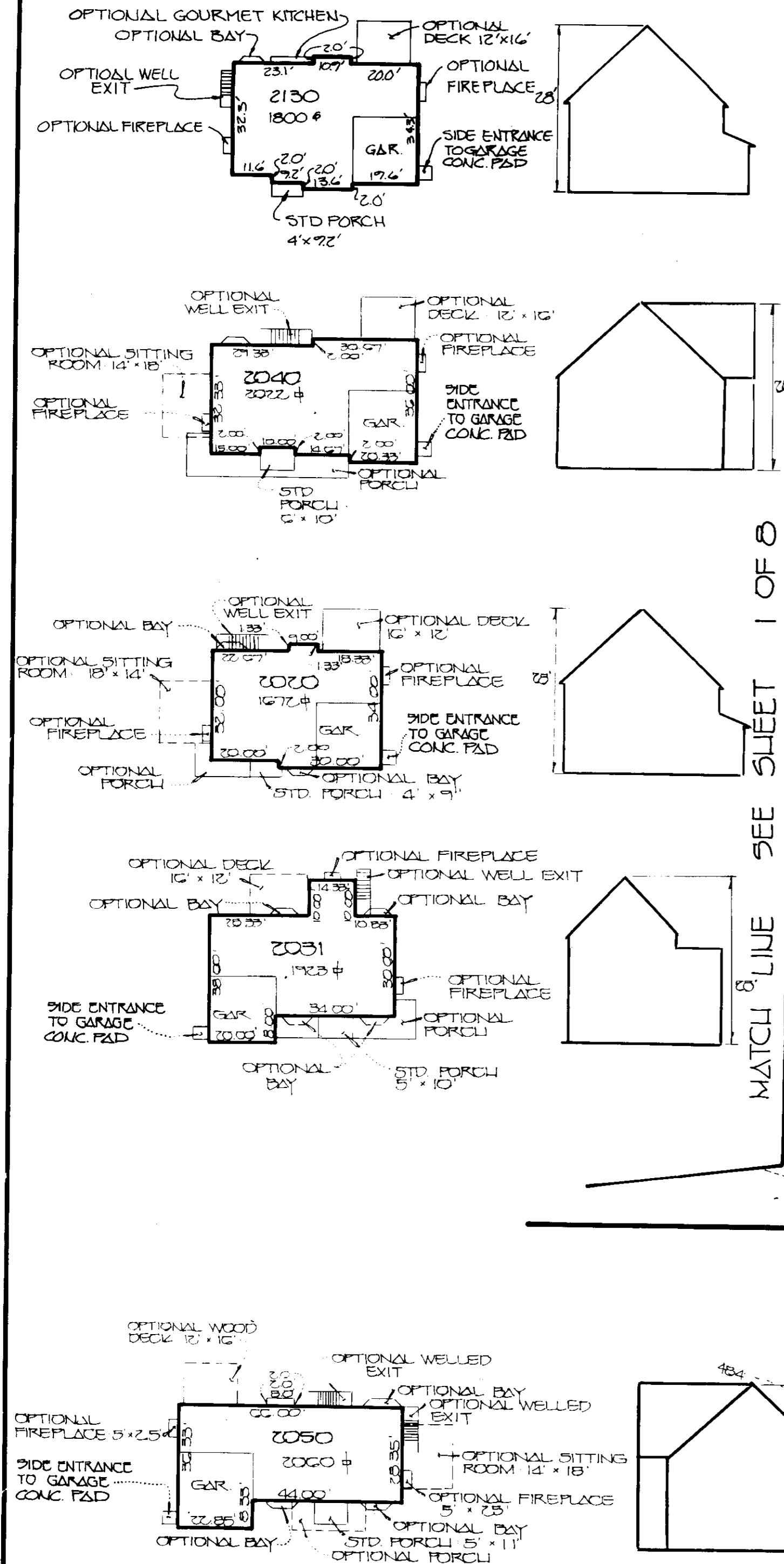
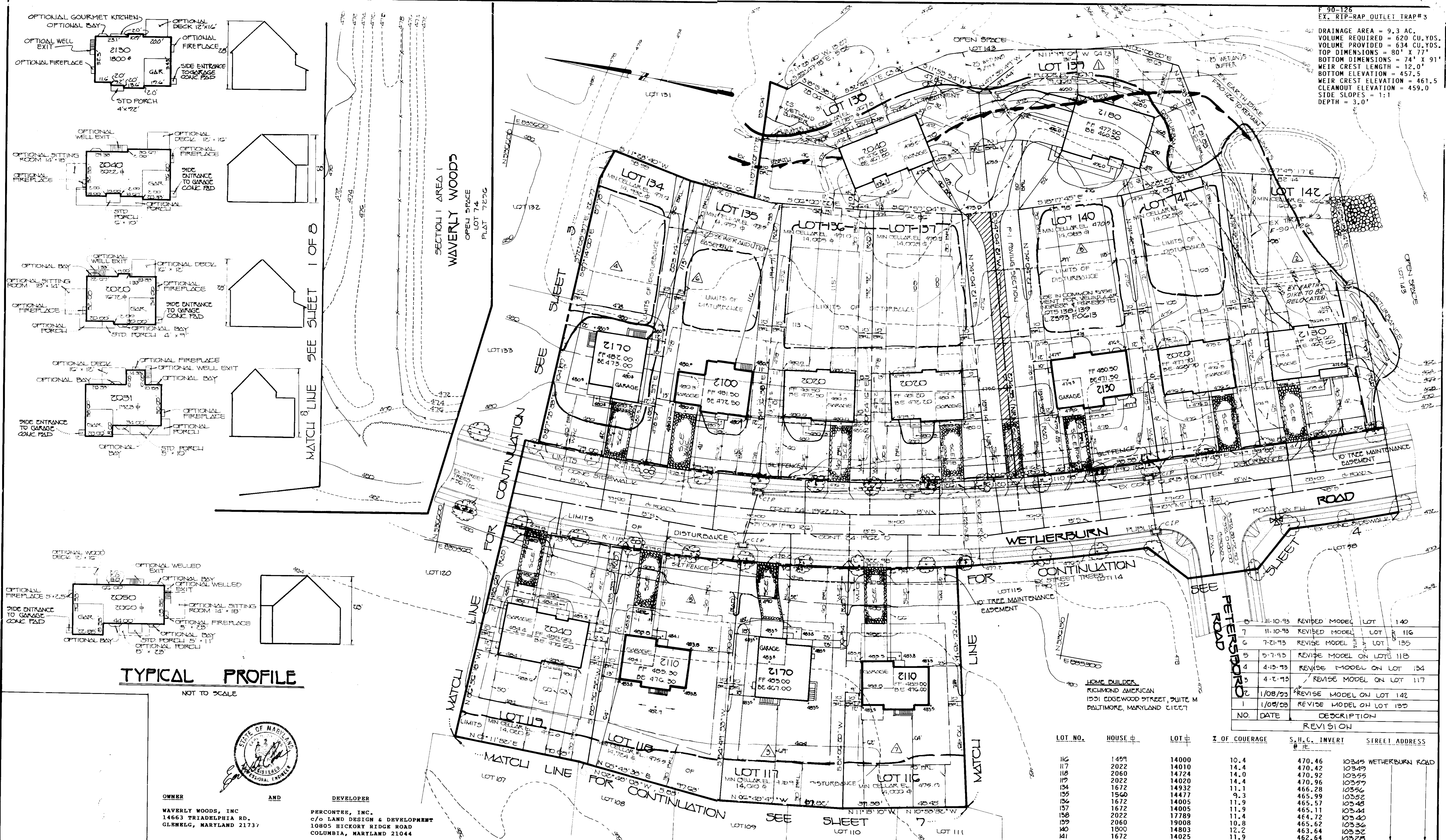
PROPERTY/SUBDIVISION
WAVERLY WOODS
SECTION/AREA
N/A

PLAT NO. BLOCK NO. ZONE TAX ZONE ELEC. DIST. CENSUS TR.
0002-10070 10409 12 R-20 16 2ND & 3RD 6090

WATER CODE H-05 SEWER CODE 5992500

REVISED SITE DEVELOPMENT PLAN
S 89-44 P 89-70 F 90-126
SITE DEVELOPMENT PLAN
WAVERLY WOODS
SECTION II
LOTS: 50 THRU 56, 58 THRU 64, 86 THRU 75
97 THRU 99, 101 THRU 122 & 124 THRU 142
TAX MAP 16 PARCELS 22 & P.O. 21
2 ND. & 3 RD. ELECTION DISTRICT
HOWARD COUNTY MARYLAND APRIL 9, 1990
SCALE: 1" = 30' SHEET 1 OF 8

F 90-126
EX. RIP-RAP OUTLET TRAP # 3
DRAINAGE AREA = 9.3 AC.
VOLUME REQUIRED = 620 CU. YDS.
VOLUME PROVIDED = 634 CU. YDS.
TOP DIMENSIONS = 80' X 77'
BOTTOM DIMENSIONS = 74' X 91'
WEIR CREST LENGTH = 72.0'
BOTTOM ELEVATION = 457.5
WEIR CREST ELEVATION = 461.5
CLEANOUT ELEVATION = 459.0
SIDE SLOPES = 1:1
DEPTH = 3.0'



TYPICAL PROFILE
NOT TO SCALE



OWNER AND DEVELOPER
WAVERLY WOODS, INC.
 14663 TRIADPHILIA RD.
 GLANBEG, MARYLAND 21737

PERCONTE, INC.
 c/o LAND DESIGN & DEVELOPMENT
 10805 HICKORY RIDGE ROAD
 COLUMBIA, MARYLAND 21044

NO.	DATE	DESCRIPTION
11	11-10-93	REVISED MODEL LOT 140
7	11-10-93	REVISED MODEL LOT 116
6	7-21-93	REVISE MODEL LOT 135
5	5-7-93	REVISE MODEL ON LOTS 118
4	4-15-93	REVISE MODEL ON LOT 134
3	4-7-93	REVISE MODEL ON LOT 117
2	1/08/93	REVISE MODEL ON LOT 142
1	1/05/93	REVISE MODEL ON LOT 133

LOT NO.	HOUSE #	LOT #	% OF COVERAGE	S.H.C. INVERT @ FT.	STREET ADDRESS
116	1491	14000	10.4	470.46	10345 WETHERBURN ROAD
117	2022	14010	14.4	470.42	10349
118	2060	14724	14.0	470.92	10353
119	2022	14020	14.4	470.96	10357
134	1672	14932	11.1	466.28	10356
155	1560	14477	9.3	465.99	10362
156	1672	14005	11.9	465.57	10348
157	1672	14005	11.9	465.11	10344
158	2022	17789	11.4	464.72	10340
159	2060	19008	10.8	465.62	10336
140	1800	14803	12.2	463.64	10332
141	1672	14025	11.9	462.64	10328
142	2022	16010	12.6	461.73	10324 WETHERBURN ROAD

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 9171 BALTIMORE NATIONAL PIKE, SUITE 100
 ELLICOTT CITY, MD. 21043
 (301) 461-2855

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.

DATE: 1/29/91
 SIGNATURE OF ENGINEER: [Signature]

DEVELOPER'S 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 DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

DATE: 30 May 1991
 SIGNATURE OF DEVELOPER: [Signature]

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT
 APPROVED: [Signature] 10/3/91
 DATE: 10/3/91

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

APPROVED: [Signature] 10/16/91
 DATE: 10/16/91

APPROVED: DEPT. OF PLANNING AND ZONING
 APPROVED: [Signature] 10/24/91
 DATE: 10/24/91

APPROVED: DEPT. OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED: [Signature] 10/23/91
 DATE: 10/23/91

APPROVED: DEPARTMENT OF PUBLIC WORKS, SYSTEMS AND ROADS
 APPROVED: [Signature] 10/11/91
 DATE: 10/11/91

PROPERTY/SUBDIVISION
 WAVERLY WOODS

SECTION/AREA
 N/A

PLAT NO./L.F. BLOCK NO./ZONE TAX/ZONE ELEC. DIST. 2ND. & 3RD. CENSUS TR.
 1082/1090 12 R-20 16

WATER CODE
 H-05

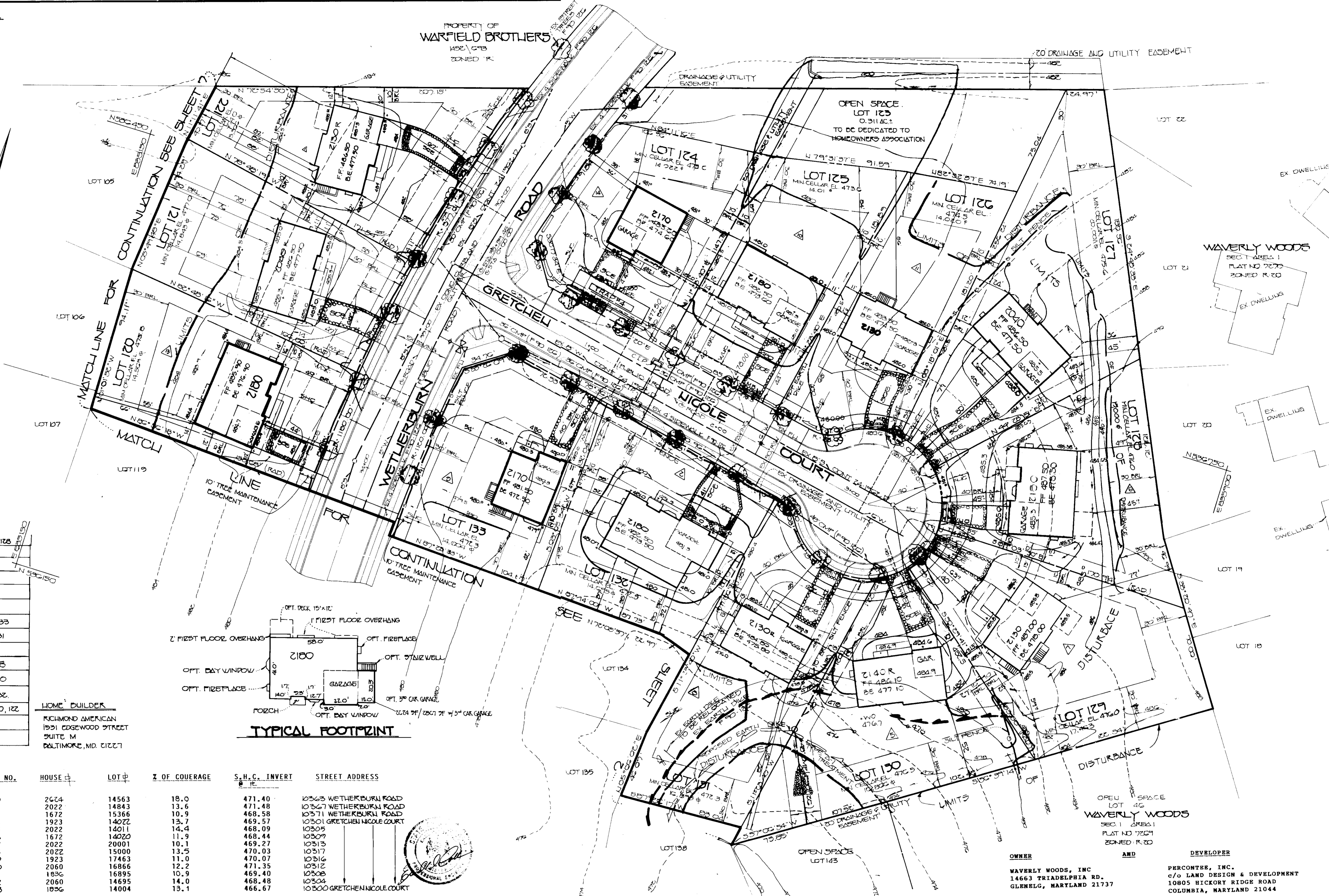
SEWER CODE
 5992500

S 89-44 P 89-70 F 90-126
SITE DEVELOPMENT PLAN
WAVERLY WOODS
SECTION II
 LOTS 90 THRU 98 THRU 84, 86 THRU 95
 97 THRU 99, 101 THRU 122 & 124 THRU 142
 144 THRU 147
 TAX MAP 16 PARCELS 22 & P.O. 21
 2 ND. & 3 RD. ELECTION DISTRICT
 HOWARD COUNTY MARYLAND APRIL 9, 1990
 SCALE: 1" = 30' SHEET 2 OF 8

STONE OUTLET SEDIMENT TRAP #4

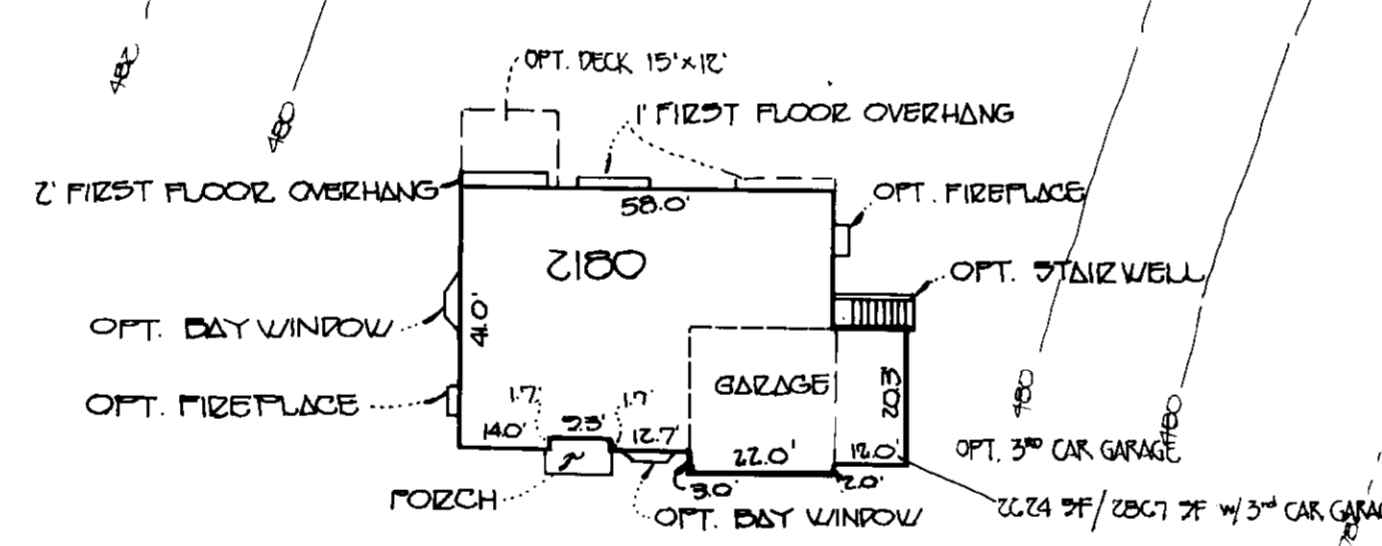
DRAINAGE AREA = 3 AC ±
 VOLUME REQUIRED = 200 cu yds.
 VOLUME PROVIDED = 382 cu yds.
 TOP DIMENSIONS = 53' x 12'
 WEIR CREST LENGTH = 12'
 BOTTOM DIMENSIONS = 32' x 4'
 WEIR CREST ELEVATION = 476.0
 CLEANOUT ELEVATION = 476.50
 SIDE SLOPE = 2:1
 DEPTH = 11'
 BOTTOM ELEV. = 476.00

PROPERTY OF
WARFIELD BROTHERS
 1492/1493
 ZONED R-20



DATE	REVISION	DESCRIPTION
11-10-93	14	REVISED GRADING ON LOTS 121 AND 125
11-10-93	15	REVISED MODEL ON LOT 124
11-10-93	16	REVISED MODEL ON LOT 120
7-21-93	17	REVISED MODEL ON LOT 120
4-19-93	18	REVISE MODEL ON LOT 126
4-14-93	19	REVISE MODEL ON LOT 125
01/06/93	20	REVISED MODEL ON LOT 133
01/08/93	21	REVISED MODEL ON LOT 131
10/7/92	22	REVISED MODEL ON LOT 129
10/5/92	23	REVISED MODEL ON LOT 128
8/1/92	24	REVISED MODEL ON LOT 130
4/07/92	25	REVISE MODEL ON LOT 128
11/8/91	26	REVISE MODELS ON LOTS 120, 122

HOME BUILDER
 RICHMOND AMERICAN
 1931 EDGEWOOD STREET
 SUITE M
 BALTIMORE, MD. 21227



LOT NO.	HOUSE #	LOT #	% OF COVERAGE	S.H.C. INVERT	STREET ADDRESS
120	2624	14563	18.0	471.40	10369 WETHERBURN ROAD
121	2022	14843	13.6	471.48	10367 WETHERBURN ROAD
122	1672	15366	10.9	468.58	10371 WETHERBURN ROAD
124	1923	14022	15.7	469.57	10301 GRETCHEN NICOLE COURT
125	2022	14011	14.4	468.09	10305
126	1672	14020	11.9	468.44	10309
127	2022	20001	10.1	469.27	10313
128	2022	15000	13.5	470.03	10317
129	1923	17463	11.0	470.07	10316
130	2060	16866	12.2	471.35	10312
131	1856	16895	10.9	469.40	10308
132	2060	14695	14.0	468.48	10304
133	1856	14004	13.1	466.67	10300 GRETCHEN NICOLE COURT

FISHER COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 9171 BALTIMORE NATIONAL PIKE, SUITE 100
 ELLICOTT CITY, MD. 21043
 (301) 461-2855

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: *Earl Collins*
 DATE: 10/19/91

DEVELOPER'S 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 DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.
 Signature: *Warfield Brothers*
 DATE: 10/19/91

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MET TECHNICAL REQUIREMENTS
 Signature: *James H. Hite*
 DATE: 10/12/91
 S. SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED:
 Signature: *John H. Hite*
 DATE: 10/19/91
 HOWARD SOIL CONSERVATION DISTRICT

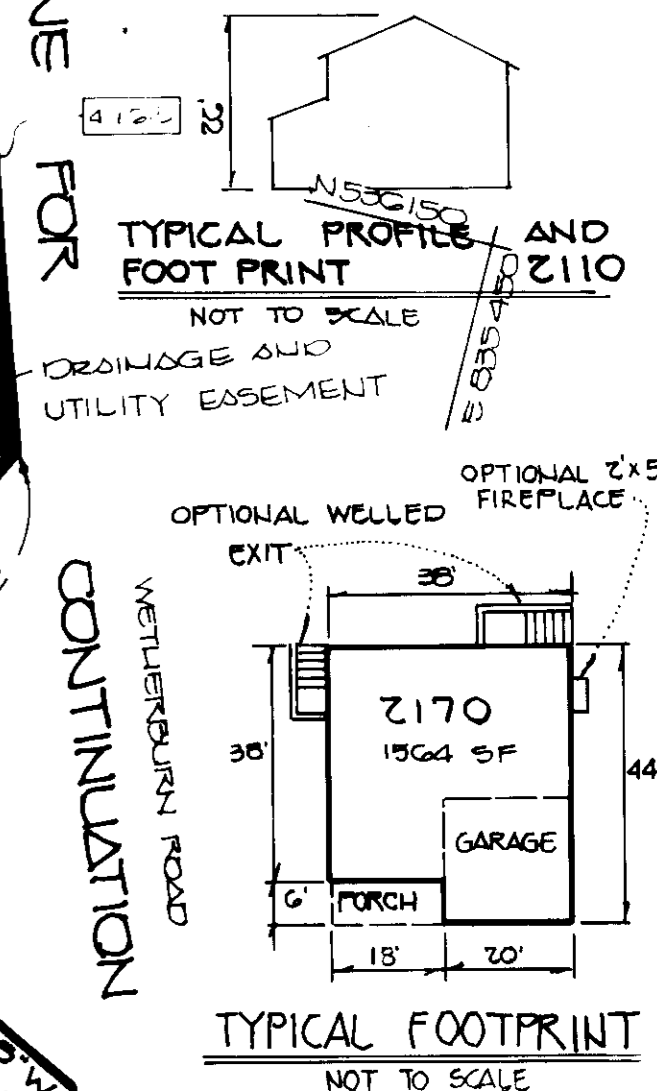
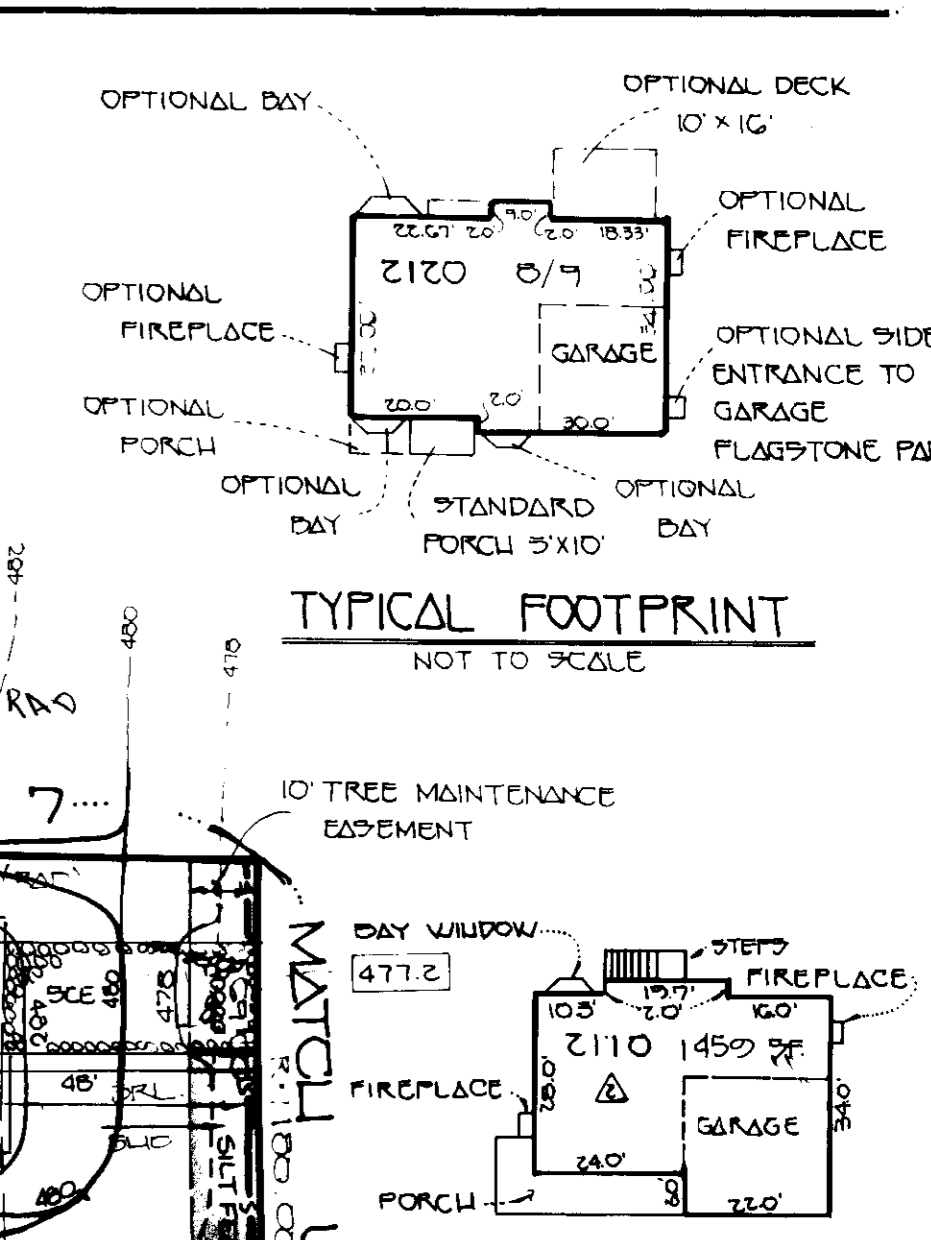
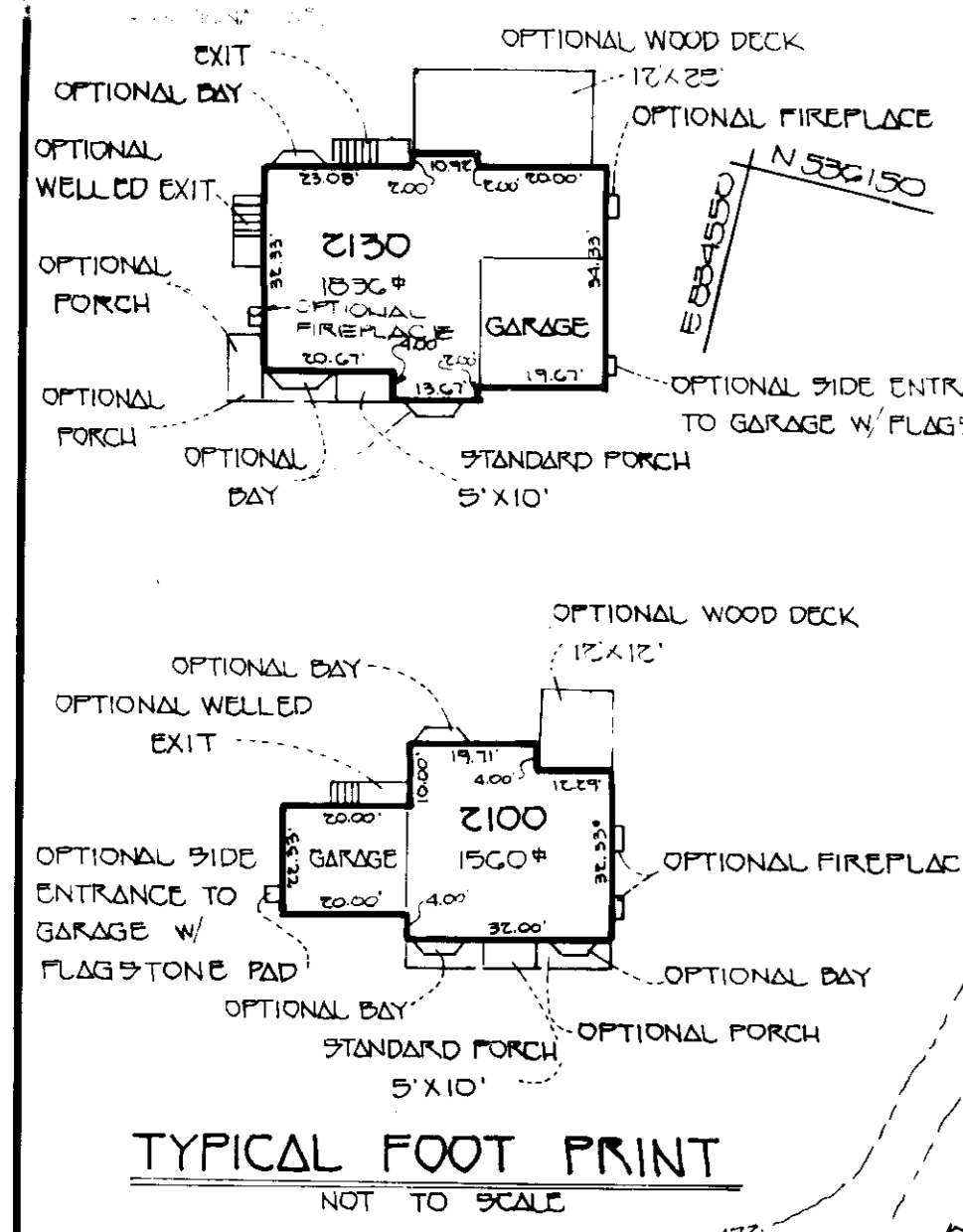
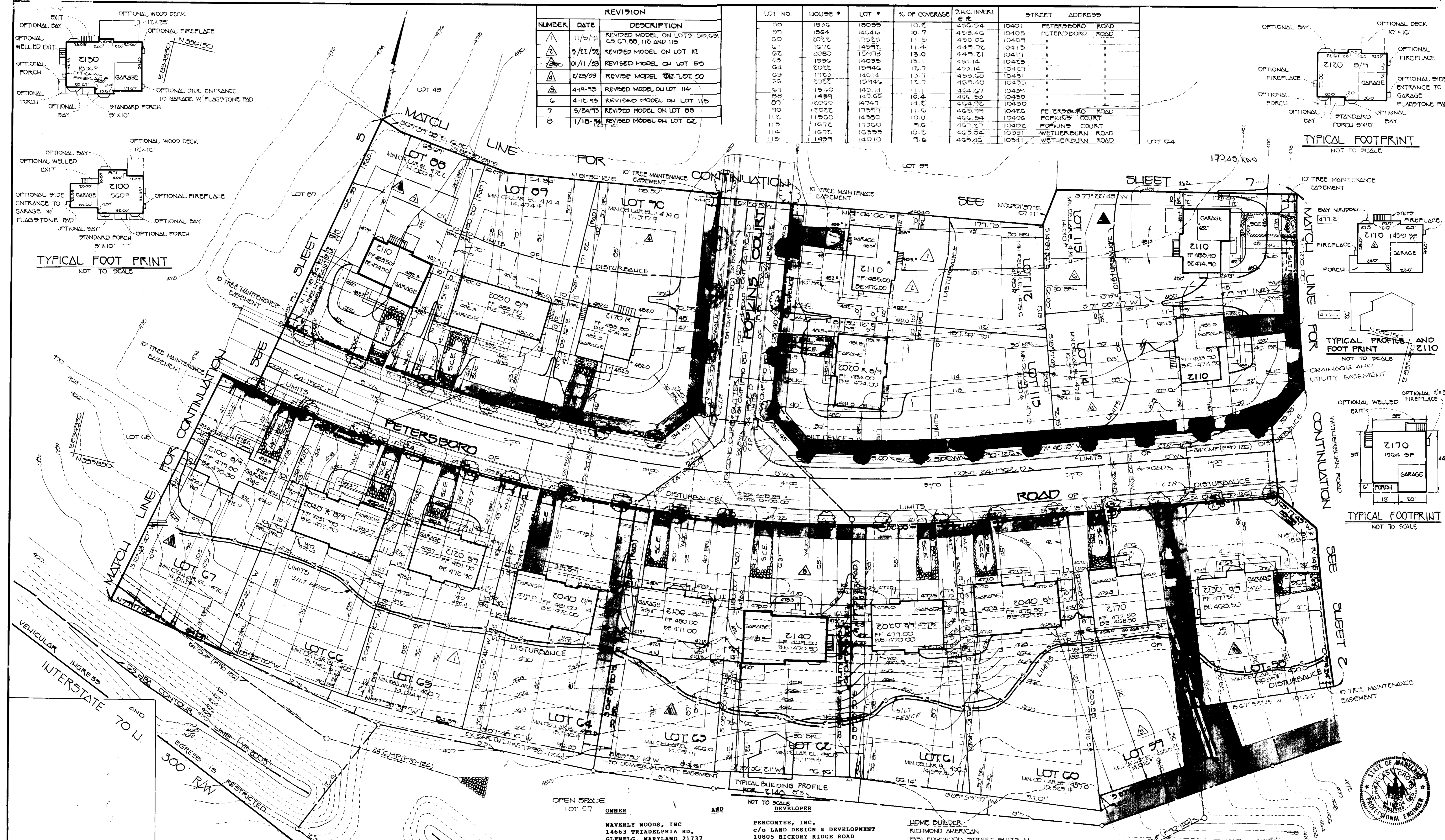
APPROVED: DEPT OF PLANNING AND ZONING
 Signature: *James Hite*
 DATE: 10/24/91
 PLANNING DIRECTOR
 Signature: *Patricia Hite*
 DATE: 10/24/91
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 Signature: *Paula P. Pugh*
 DATE: 10/19/91
 HEALTH OFFICER

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
 Signature: *James P. Pugh*
 DATE: 10/19/91
 DIRECTOR, PUBLIC WORKS
 Signature: *James P. Pugh*
 DATE: 10/19/91
 CHIEF, BUREAU OF ENGINEERING
 PROPERTY/SUBDIVISION: WAVELY WOODS
 SECTION/AREA: N/A
 PLAT NO./L.F.: 1082 TO 1090
 BLOCK NO.: 12
 TAX/ZONE: R-20
 ELEC. DIST.: 16
 2ND. B.3RD.
 WATER CODE: H-05
 SEWER CODE: 5992500

S 89-44 P 89-70 F 90-126
SITE DEVELOPMENT PLAN
WAVELY WOODS
 SECTION II
 LOTS 90 THRU 96, 98 THRU 104, 106 THRU 112, 114 THRU 120, 122 THRU 128 & 130 THRU 136
 TAX MAP 16 PARCELS 22 & P.O. 21
 2 ND. B.3 RD. ELECTION DISTRICT
 HOWARD COUNTY MARYLAND APRIL 9, 1990
 SCALE: 1" = 30'
 SHEET 3 OF 8

REVISION		
NUMBER	DATE	DESCRIPTION
1	11/5/91	REVISED MODEL ON LOTS 58, 59, 65, 67, 68, 112 AND 115
2	7/11/92	REVISED MODEL ON LOT 112
3	01/11/93	REVISED MODEL ON LOT 59
4	2/23/93	REVISE MODEL ON LOT 20
5	4-19-93	REVISED MODEL ON LOT 114
6	4-12-93	REVISED MODEL ON LOT 115
7	5/24/93	REVISED MODEL ON LOT 68
8	1/18-94	REVISED MODEL ON LOT 62

LOT NO.	HOUSE #	LOT #	% OF COVERAGE	S.H.C. INVERT @ R	STREET ADDRESS
58	1836	18095	10.7	456.54	10401 PETERSBORO ROAD
59	1864	14046	10.7	453.46	10405 PETERSBORO ROAD
60	2072	17858	11.6	450.06	10407 " "
61	1672	14972	11.4	449.72	10413 " "
62	2080	15975	13.0	449.21	10417 " "
63	1936	14035	13.1	451.14	10423 " "
64	2022	15946	12.7	453.14	10427 " "
65	1763	14014	13.7	455.60	10431 " "
66	2022	15946	12.7	453.40	10435 " "
67	1522	14212	11.1	454.67	10439 " "
68	1489	14899	10.4	454.53	10443 " "
69	2020	14741	14.2	454.92	10450 " "
70	2022	17397	11.6	453.99	10466 PETERSBORO ROAD
71	1560	14380	10.8	456.54	10406 POPKINS COURT
72	1672	17360	7.6	457.27	10402 POPKINS COURT
73	1672	17360	7.6	457.27	10402 WETHERBURN ROAD
74	1672	17360	7.6	457.27	10351 WETHERBURN ROAD
75	1499	14010	9.6	459.46	10341 WETHERBURN ROAD



OWNER: WAVERLY WOODS, INC. 14663 TRIADEPHIA RD. GLENELG, MARYLAND 21737

DEVELOPER: PERCENTRE, INC. c/o LAND DESIGN & DEVELOPMENT 10805 BICKORY RIDGE ROAD COLUMBIA, MARYLAND 21044

HOME BUILDER: RICHMOND AMERICAN 1531 EDGWOOD STREET, SUITE M BALTIMORE, MARYLAND 21227

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 9171 BALTIMORE NATIONAL PIKE, SUITE 100
 ELLICOTT CITY, MD. 21042
 (410) 461-2855

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.

11/18/91
 SIGNATURE OF ENGINEER

DEVELOPER'S 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 DEPARTMENT OF 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.

15 Nov. 1991
 SIGNATURE OF DEVELOPER

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MET TECHNICAL REQUIREMENTS
 DATE: 12/3/91
 DATE: 12/3/91

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: 12/3/91
 HOWARD SOIL CONSERVATION DISTRICT

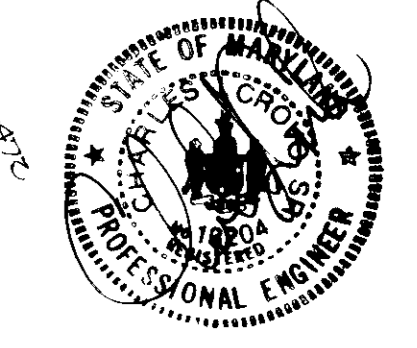
APPROVED: DEPT. OF PLANNING AND ZONING
 DATE: 1/15/92
 DATE: 1/10/92

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 DATE: 1-8-92

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS
 DATE: 1/2/92

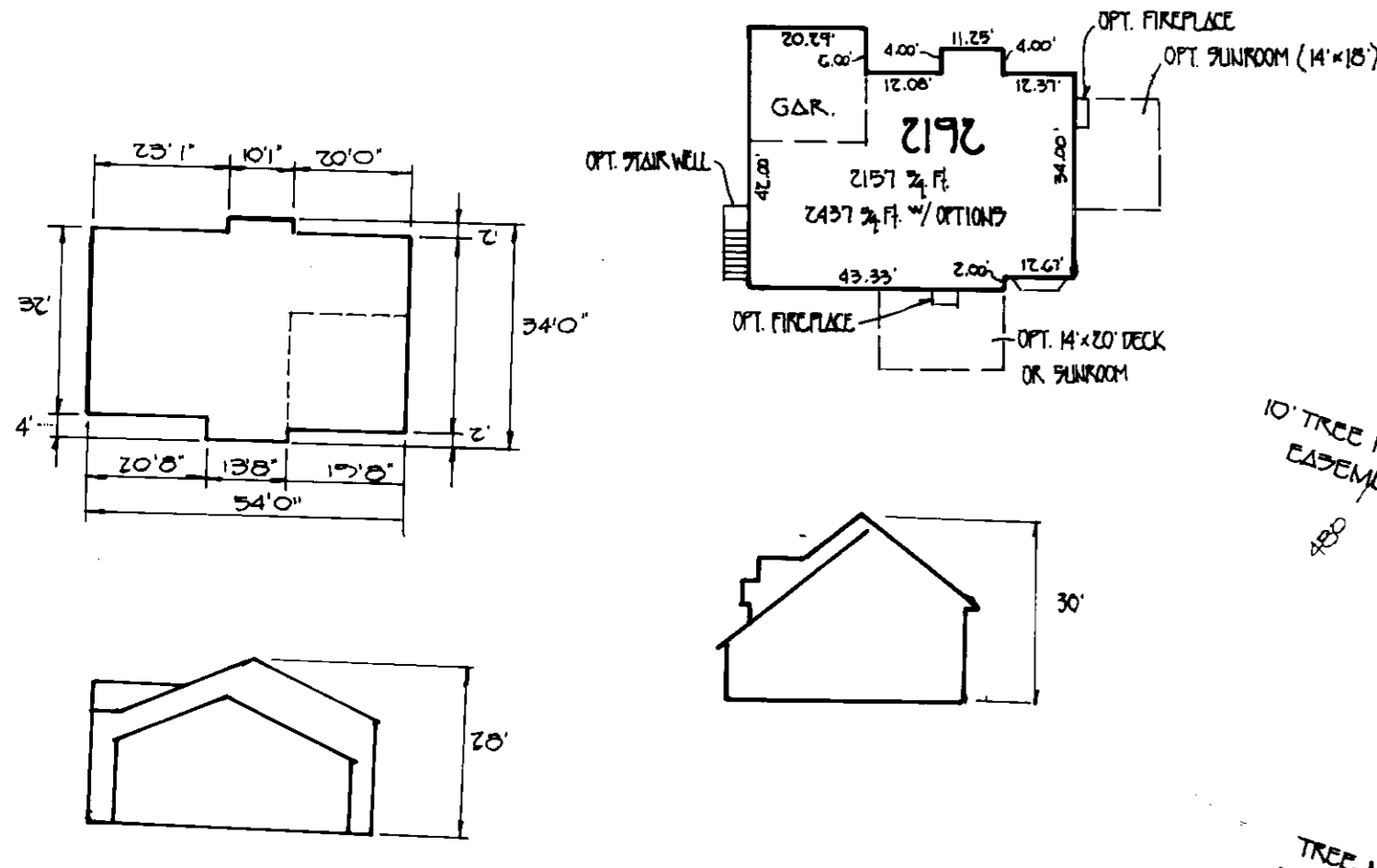
PROPERTY/SUBDIVISION: WAVERLY WOODS SECTION II
 LOT NO. 50-75, 80-85, 86-99, 100-107, 108-111, 112-115, 116-119, 120-123, 124-127, 128-131, 132-135, 136-139, 140-143, 144-147

S 89-44 P 89-70 F 90-12
 SITE DEVELOPMENT PLAN
WAVERLY WOODS
 SECTION II
 LOTS 50 THRU 56, 58 THRU 84, 86 THRU 95, 97 THRU 99, 101 THRU 122 & 124 THRU 142
 144 THRU 147
 TAX MAP 16 PARCELS 22 & P.O. 21
 2 ND. & 3 RD. ELECTION DISTRICT
 HOWARD COUNTY MARYLAND APRIL 9, 1990
 SCALE: 1" = 30' SHEET 4 OF 8

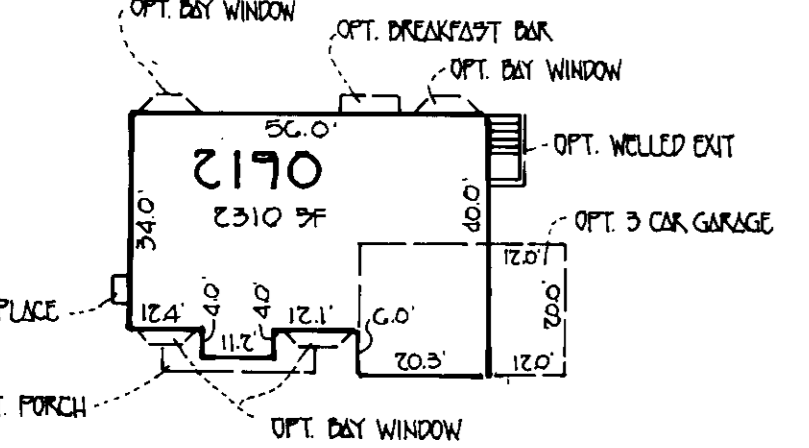


LOT #	Z OF COVERAGE	S.H.C. INVERT	STREET ADDRESS
66	2060	15326	10443 PETERSBORO ROAD
67	1672	14050	10447
70	1672	14025	10451
71	1800	14030	10455
72	1923	14005	10459
73	2497	14995	10463
82	2022	14931	10467
83	2310	14931	10471
84	2060	14043	10475
86	1459	14044	10479
87	2060	14510	10483

NOTE: CONSTRUCTION OF HOUSES ON LOTS 84, 86 AND 70 SHALL BE DELAYED UNTIL THE EXISTING SEDIMENT TRAPS ON THOSE LOTS CAN BE REMOVED OR REGRADED DUE TO THE STABILIZED UPSTREAM AREAS AND PERMISSION IS GRANTED BY EROSION AND SEDIMENT CONTROL INSPECTOR TO REMOVE TRAPS.



MODEL # 2130
TYPICAL HOUSE DETAIL
NOT TO SCALE



NO.	DATE	DESCRIPTION
4	10 JUN 94	MODEL REVISION ON LOT 86
3	18 JUN 94	MODEL REVISION ON LOT 71
2	21 JULY 93	MODEL REVISION ON LOT 83
1	03 JUNE 1992	MODEL REVISION ON LOT 68 TO 2130

REVISIONS



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 OF ENGINEER: *[Signature]* DATE: 8-19-91

DEVELOPER'S 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 DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER: *[Signature]* DATE: 30 May 1991

APPROVED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

[Signature] 10/3/91
DATE

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

APPROVED: *[Signature]* 10/17/91
DATE
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT. OF PLANNING AND ZONING

[Signature] 10/24/91
DATE
PLANNING DIRECTOR

[Signature] 10/23/91
DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
[Signature] 10/17/91
DATE
HEALTH OFFICER

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

[Signature] 10/16/91
DATE
DIRECTOR, PUBLIC WORKS

[Signature] 10-11-91
DATE
CHIEF, BUREAU OF ENGINEERING M.X.

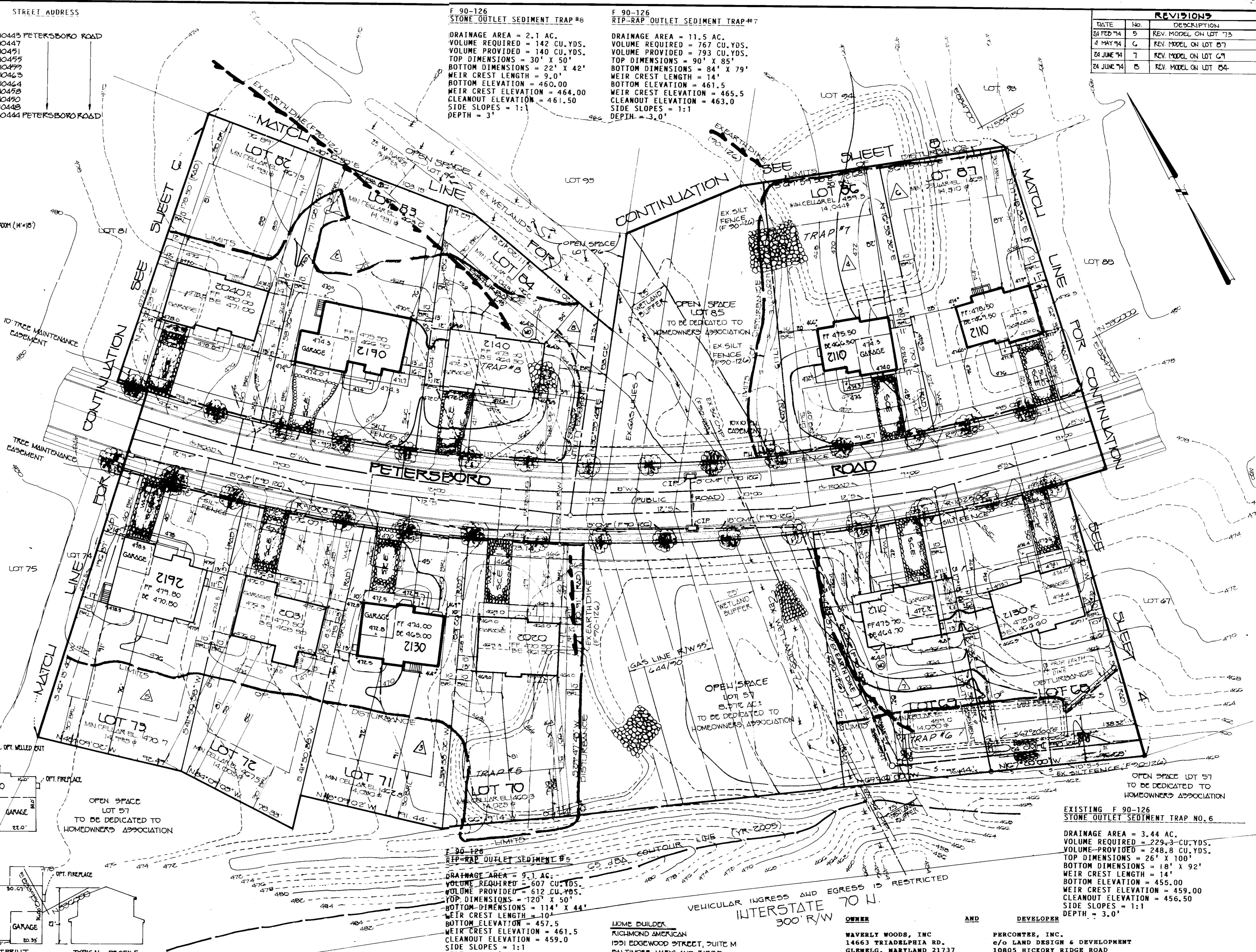
PROPERTY/SUBDIVISION	SECTION/AREA
WAVERLY WOODS	N/A
PLAT NO./L.F.	BLOCK NO. ZONE
1088 TO 1090	12 R-20 16
WATER CODE	SEWER CODE
H-05	5992500

S 89-44 P 89-70 F 90-126

SITE DEVELOPMENT PLAN
WAVERLY WOODS
SECTION II

LOTS 70 THRU 76, 78 THRU 84, 86 THRU 95
77 THRU 79, 101 THRU 122 & 124 THRU 142
144 THRU 147

TAX MAP 16 PARCELS 22 & P.O. 21
2 ND. & 3 RD. ELECTION DISTRICT
HOWARD COUNTY MARYLAND APRIL 9, 1990
SCALE: 1" = 30' SHEET 5 OF 8



F 90-126
STONE OUTLET SEDIMENT TRAP #6
DRAINAGE AREA = 2.1 AC.
VOLUME REQUIRED = 142 CU. YDS.
VOLUME PROVIDED = 140 CU. YDS.
TOP DIMENSIONS = 30' X 50'
BOTTOM DIMENSIONS = 22' X 42'
WEIR CREST LENGTH = 9.0'
BOTTOM ELEVATION = 460.00
WEIR CREST ELEVATION = 464.00
CLEANOUT ELEVATION = 461.50
SIDE SLOPES = 1:1
DEPTH = 3'

F 90-126
RIP-RAP OUTLET SEDIMENT TRAP #7
DRAINAGE AREA = 11.5 AC.
VOLUME REQUIRED = 763 CU. YDS.
VOLUME PROVIDED = 793 CU. YDS.
TOP DIMENSIONS = 90' X 85'
BOTTOM DIMENSIONS = 84' X 79'
WEIR CREST LENGTH = 14'
BOTTOM ELEVATION = 461.5
WEIR CREST ELEVATION = 465.5
CLEANOUT ELEVATION = 463.0
SIDE SLOPES = 1:1
DEPTH = 3.0'

EXISTING F 90-126
STONE OUTLET SEDIMENT TRAP NO. 6
DRAINAGE AREA = 3.44 AC.
VOLUME REQUIRED = 229-3 CU. YDS.
VOLUME PROVIDED = 248.8 CU. YDS.
TOP DIMENSIONS = 26' X 100'
BOTTOM DIMENSIONS = 18' X 92'
WEIR CREST LENGTH = 14'
BOTTOM ELEVATION = 455.00
WEIR CREST ELEVATION = 459.00
CLEANOUT ELEVATION = 456.50
SIDE SLOPES = 1:1
DEPTH = 3.0'

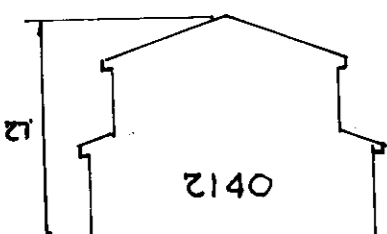
VEHICULAR INGRESS AND EGRESS IS RESTRICTED
INTERSTATE 70 N.
300' R/W

HOME BUILDER
RICHMOND AMERICAN
1501 EDGEWOOD STREET, SUITE M
DALLMIRE, MARYLAND 21227

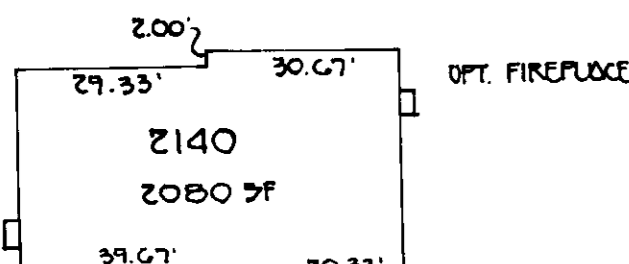
OWNER
WAVERLY WOODS, INC.
14663 TRIADAPLHA RD.
GREENBELT, MARYLAND 21737

AND DEVELOPER
PERCORTER, INC.
C/O LAND DESIGN & DEVELOPMENT
10805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

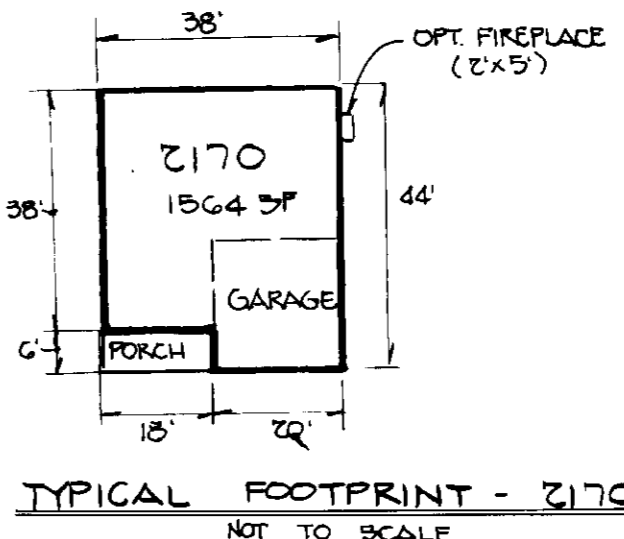
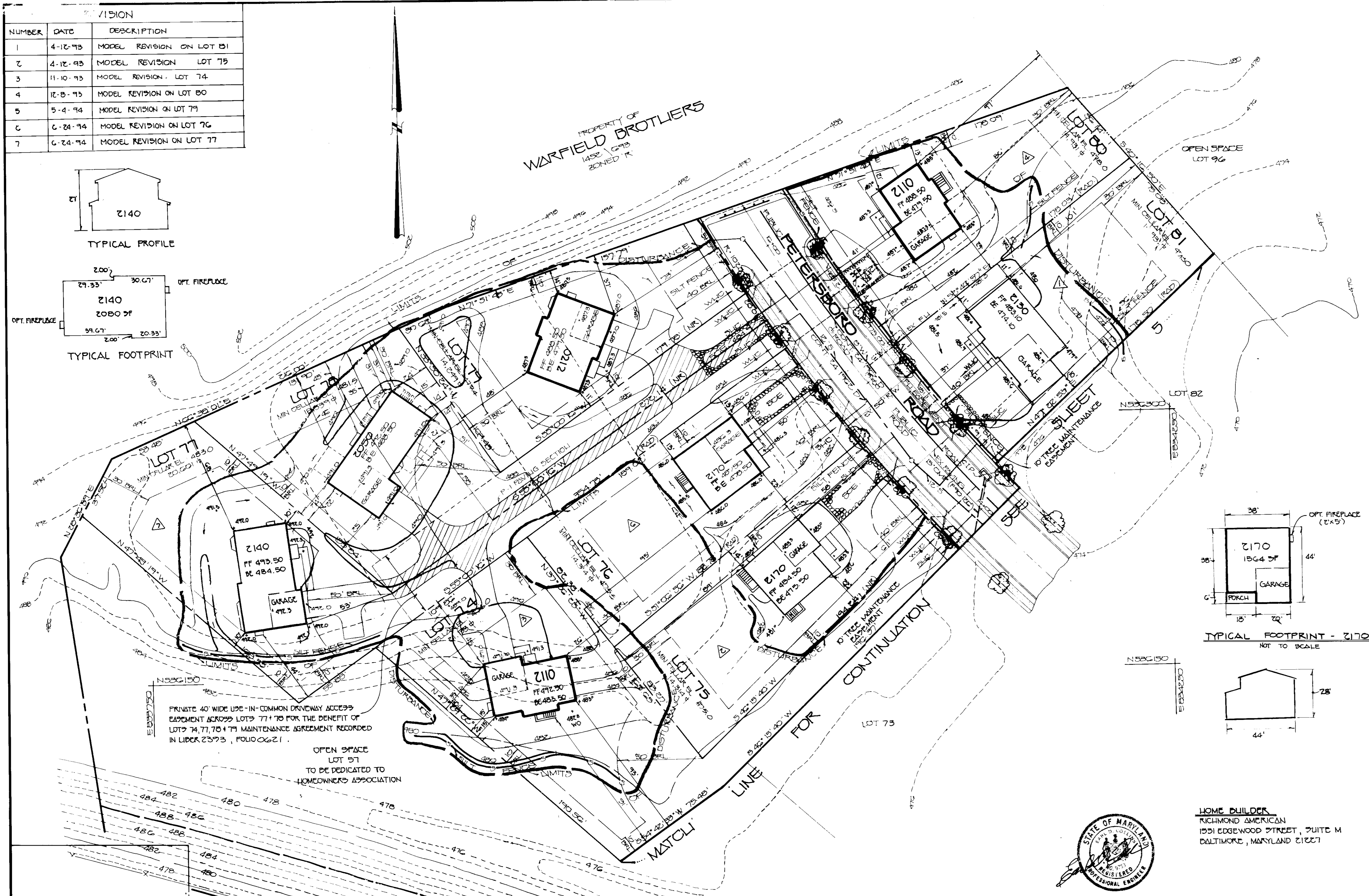
NUMBER	DATE	DESCRIPTION
1	4-12-93	MODEL REVISION ON LOT 81
2	4-12-93	MODEL REVISION LOT 75
3	11-10-93	MODEL REVISION LOT 74
4	12-8-93	MODEL REVISION ON LOT 80
5	5-4-94	MODEL REVISION ON LOT 79
6	6-24-94	MODEL REVISION ON LOT 76
7	6-24-94	MODEL REVISION ON LOT 77



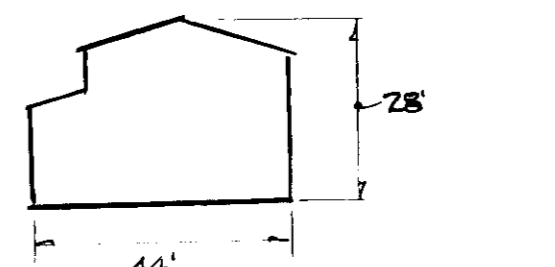
TYPICAL PROFILE



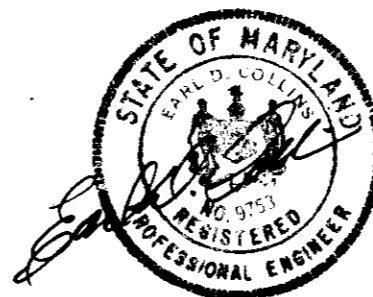
TYPICAL FOOTPRINT



TYPICAL FOOTPRINT - Z170
NOT TO SCALE



HOME BUILDER
RICHMOND AMERICAN
1951 EDGEWOOD STREET, SUITE M
BALTIMORE, MARYLAND 21227



PERMANENT SEEDING NOTES:
APPLY TO GRADED OR CLEARED AREA SUBJECT TO TEMPORARY 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 LOOSENEED.
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING.
HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL, AT TIME OF SEEDING.
APPLY 400 LBS. PER 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ.FT.) PER ACRE AND 2 LBS. PER ACRE (.05 LBS/1000 SQ.FT.) OF WEEPING LOVEGRASS, DURING THE PERIOD OF FEBRUARY 28, THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOIL OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WEL ANCHORED STRAW.
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (6.9 GAL/1000 SQ. FT.) FOR ANCHORING.
MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
TEMPORARY SEEDING NOTES:
APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENEED.
SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING.
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2 1/2 TONS 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 15 THRU FEBRUARY 28, PROTECT SITE BY OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOIL OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WEL ANCHORED STRAW.
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (6.9 GAL/1000 SQ. FT.) FOR ANCHORING.
MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

- SEDIMENT CONTROL NOTES:
1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (S89-44).
2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4) ALL SEDIMENT TRAPS/BAFFLES SHALL BE FENCED AND WARNING SIGNS POSSED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 52), TEMPORARY SEEDING (SEC. 52B) AND MULCHING (SEC. 52C). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSING.
6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIONAL CONDITION UNTIL PERMISSON FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7) SITE ANALYSIS:
TOTAL AREA OF SITE 57.5 ACRES
AREA DISTURBED 26.4 ACRES
AREA TO BE ROOFED OR PAVED 2.8 ACRES
AREA TO BE VEGETATIVELY STABILIZED 2.8 ACRES
TOTAL 100.0 CU. YDS.
TOTAL FILL 100.0 CU. YDS.
8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

- CONSTRUCTION SEQUENCE:
1. INSTALL SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM.
2. EXISTING EARTH DIKES (F 90-126) SHALL BE REGRADED AND STABILIZED AS NEEDED. RELOCATE EARTH DIKES AS SHOWN ON PLAN.
3. EXISTING SEDIMENT TRAPS SHALL BE UTILIZED DURING CONSTRUCTION. ALL EXISTING TRAPS ARE TO BE REGRADED AND STABILIZED PER ORIGINAL DESIGN SPECS. SEE 90-126.
4. INSTALL PROPOSED SEDIMENT TRAP @ REGENT COURT.
5. ALL SEDIMENT CONTROL DEVICES ARE TO BE STABILIZED WITH TEMPORARY SEEDING.
6. BEGIN BUILDING CONSTRUCTION.
7. INSTALL WATER AND SEWER HOUSE CONNECTIONS.
8. ROUGH GRADE SITE.
9. COMPLETE BUILDING CONSTRUCTION.
10. FINE GRADE SITE AND PAVE DRIVEWAYS, STABILIZED SITE WITH PERMANENT SEEDING.
11. REMOVAL OF SEDIMENT CONTROL DEVICES SHALL BE DONE WITH THE SUPERVISION AND PERMISSION OF SEDIMENT CONTROL INSPECTOR.
12. ALL QUALITY AND QUANTITY CONTROL DEVICES MUST BE RESTORED TO ORIGINAL DESIGN AND FUNCTIONS AFTER EVERY RAIN AND AFTER PERMANENT STABILIZATION OF ALL UPLAND AREAS.
13. HOUSES SHOWN WITHIN TWENTY FEET (20') OF TRAPS MAY NOT BE BUILT UNTIL ALL OTHER UPLAND AREAS ARE STABILIZED AND THE TRAP IS REMOVED.
14. THOSE LOTS WITH EARTH DIKES ON THE LOTS MAY NOT BE GRADED UNTIL ALL OTHER LOTS ARE PERMANENTLY STABILIZED I.E. LOTS 79 THRU 77, 81, 82, 87, 88 AND 89.

PRIVATE 40' WIDE USE-IN-COMMON DRIVEWAY ACCESS EASEMENT ACROSS LOTS 77 & 79 FOR THE BENEFIT OF LOTS 74, 77, 79 & 77 MAINTENANCE AGREEMENT RECORDED IN LIBER 23793, FOLIO 0621.
OPEN SPACE LOT 81 TO BE DEDICATED TO HOMEOWNERS ASSOCIATION

LOT NO.	HOUSE #	LOT #	% OF COVERAGE	S.H.C. INVERT @ FT.	STREET ADDRESS
74	1459	21133	6.9	465.67	10467 PETERSBORO ROAD
75	1564	14314	10.9	468.95	10471
76	1672	14314	11.7	469.59	10475
77	2060	20601	10.0	471.34	10479
78	2060	18539	11.1	471.60	10483
79	1923	14249	13.5	480.15	10487
80	2060	14931	13.8	471.89	10480
81	2574	14931	17.2	473.27	10470 PETERSBORO ROAD

OWNER AND DEVELOPER
WAVERLY WOODS, INC
14663 TRIADDELPHIA RD.
GLENELG, MARYLAND 21737
PERCONTER, INC.
C/O LAND DESIGN & DEVELOPMENT
1805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLCOTT CITY, MD. 21043
(301) 461-2855

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 OF ENGINEER
DATE 8-17-91

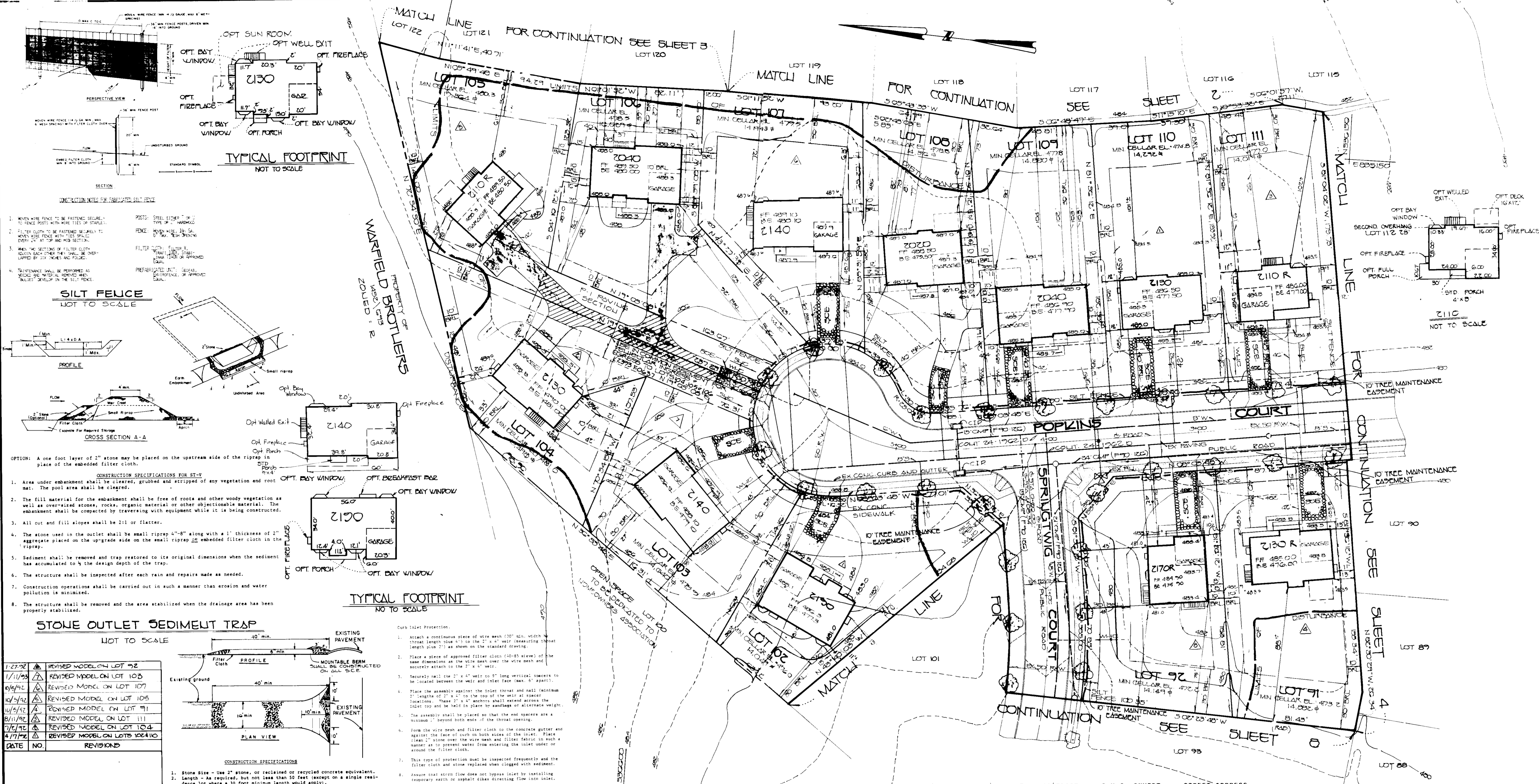
DEVELOPER'S CERTIFICATE
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.
SIGNATURE OF DEVELOPER
DATE 30 MAY 1991

APPROVED FOR HOWARD SOIL CONSERVATION DISTRICT AND MET TECHNICAL REQUIREMENTS
DATE 10/3/91
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
DATE 10/17/91
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT OF PLANNING AND ZONING
DATE 10/24/91
APPROVED: DEPT OF PLANNING AND ZONING
DATE 10/23/91
APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
DATE 10/17/91

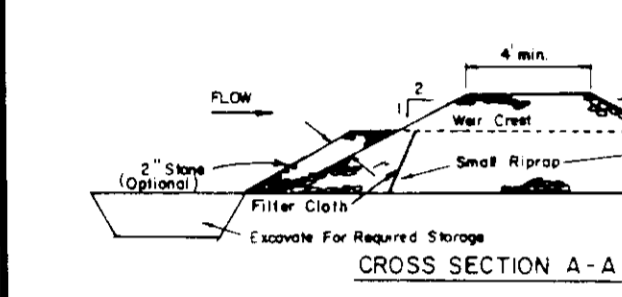
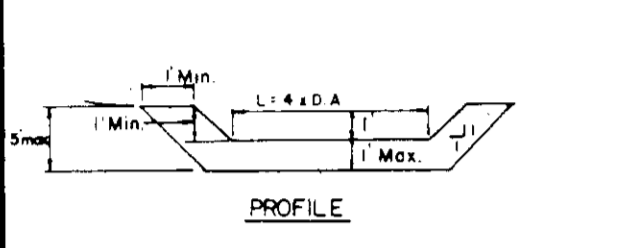
APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
DATE 10/11/91
DATE 10/11/91
DATE 10/11/91
PROPERTY/SUBDIVISION
WAVERLY WOODS
SECTION/AREA
N/A
PLAT NO./L.F. BLOCK NO. ZONE TAX/ZONE ELEC. DIST. CENSUS TR.
1082 TO 1090 12 R-20 16 2ND B. 3RD
WATER CODE H-05 SEWER CODE 5992500

S 89-44 P 89-70 F 90-126
SITE DEVELOPMENT PLAN
WAVERLY WOODS
SECTION II
LOTS 70 THRU 76, 78 THRU 84, 86 THRU 95
77 THRU 79, 101 THRU 122, 8, 124 THRU 142
144 THRU 147
TAX MAP 16 PARCELS 22 & P.O. 21
2 ND. & 3 RD. ELECTION DISTRICT
HOWARD COUNTY MARYLAND APRIL 9, 1990
SCALE: 1" = 30' SHEET 6 OF 8



- CONSTRUCTION NOTES FOR IMPROVED SILT FENCE
1. WHEN WIRE FENCE IS FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. TOP RAILS TO BE FASTENED SECURELY TO WOODEN WIRE FENCE WITH TIE STAPLES TO EVERY 20' TO 30' AND MID SECTION.
 3. WHEN NO SECTION OF FILTER CLOTH COUNTS EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND POLLED.
 4. MAINTENANCE SHALL BE PERFORMED AS NECESSARY WITHIN PERIODS AND "TYPICAL DEVELOPER" IN THE SILT FENCE.

SILT FENCE
NOT TO SCALE

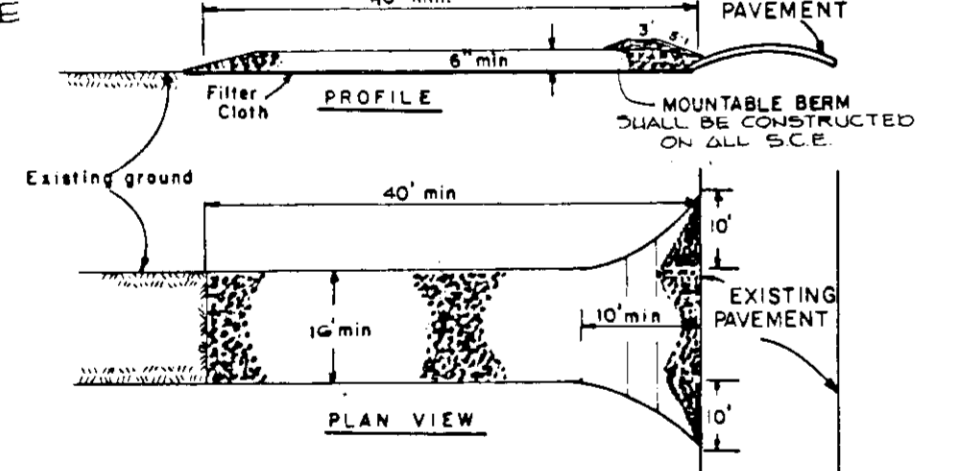


STONE OUTLET SEDIMENT TRAP
NOT TO SCALE

- OPTION: A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.
- CONSTRUCTION SPECIFICATIONS FOR ST-V
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 3. All cut and fill slopes shall be 2:1 or flatter.
 4. The stone used in the outlet shall be small riprap 1/2" to 2" along with a 1" thickness of 2" aggregate placed on the upstream side of the small riprap to embed filter cloth in the riprap.
 5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
 6. The structure shall be inspected after each rain and repairs made as needed.
 7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP
NOT TO SCALE

DATE	NO.	REVISIONS
1/27/92	1	REVISED MODEL ON LOT 92
1/11/92	2	REVISED MODEL ON LOT 103
6/16/92	3	REVISED MODEL ON LOT 107
10/1/92	4	REVISED MODEL ON LOT 105
10/1/92	5	REVISED MODEL ON LOT 91
10/1/92	6	REVISED MODEL ON LOT 111
11/1/92	7	REVISED MODEL ON LOT 104
4/17/92	8	REVISED MODEL ON LOTS 102&110

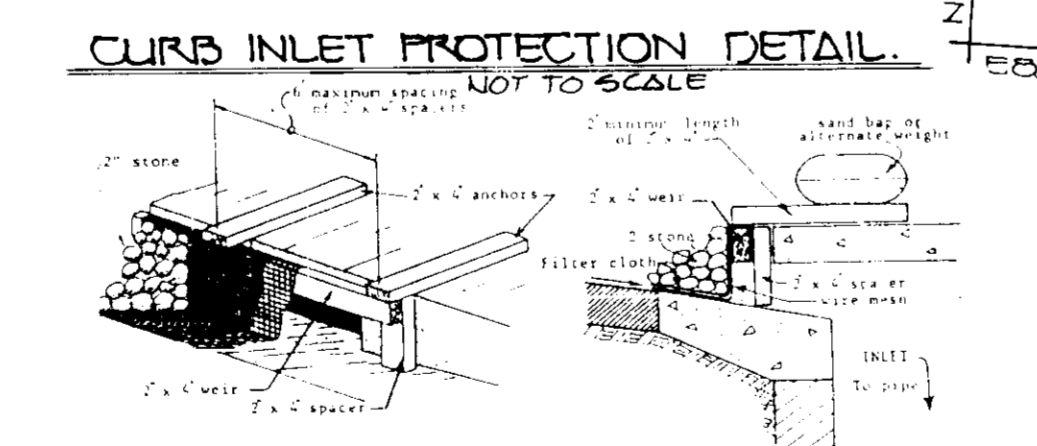


STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

- CONSTRUCTION SPECIFICATIONS
1. Stone Size - One 2" stone, or recycled or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

CURB INLET PROTECTION DETAIL
NOT TO SCALE

- Curb Inlet Protection.
1. Attach a continuous piece of wire mesh (30" min. width x throat length plus 6" to the 2" x 4" weir (excluding throat length plus 2") as shown on the standard drawing.
 2. Place a piece of approved filter cloth (20-85 gals) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
 3. Securely nail the 2" x 4" weir to 8" long vertical supports to be located between the weir and inlet face (max. 6" apart).
 4. Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations. These 2" x 4" sections shall extend across the inlet top and be held in place by washers or alternate weight.
 5. The assembly shall be placed so that the end spacers are a minimum 1" beyond both ends of the throat opening.
 6. Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
 7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 8. Assure that storm flow does not bypass inlet by installing temporary catch or bypass device directing flow into inlet.



LOT NO.	HOUSE #	LOT #	% OF COVERAGE	S.H.C. INVERT @ FT.	STREET ADDRESS	HOME BUILDER	DEVELOPER	OWNER
91	2022	14882	13.6	467.79	10409 POPKINS COURT	RICHMOND AMERICAN	PERCONTER, INC.	WAVELY WOODS, INC.
92	1672	14149	11.8	468.20	10413	1031 EDGEMOOD STREET, SUITE M		
92	1672	14149	11.8	468.20	10413	1031 EDGEMOOD STREET, SUITE M		
92	1672	14149	11.8	468.20	10413	1031 EDGEMOOD STREET, SUITE M		
102	14040	14040	100.0	469.79	10429	BALTIMORE, MARYLAND 21227		
103	2022	15498	13.0	474.20	10433			
104	2060	17364	11.9	471.43	10434			
106	2022	16029	12.6	470.93	10430			
107	2060	14943	13.8	473.14	10426			
108	1672	14316	11.7	472.54	10422			
109	2022	14880	13.6	472.54	10418			
110	1923	14292	13.5	471.04	10414			
111	1672	14015	11.9	471.54	10410 POPKINS COURT			

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLCOTT CITY, MD. 21043
(301) 461-2855

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 OF ENGINEER: *[Signature]* DATE: 3/19/91

DEVELOPER'S 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 DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER: *[Signature]* DATE: 3/19/91

HOWARD SOIL CONSERVATION DISTRICT
APPROVED: *[Signature]* DATE: 10/23/91

APPROVED: DEPT. OF PLANNING AND ZONING
[Signature] DATE: 10/24/91

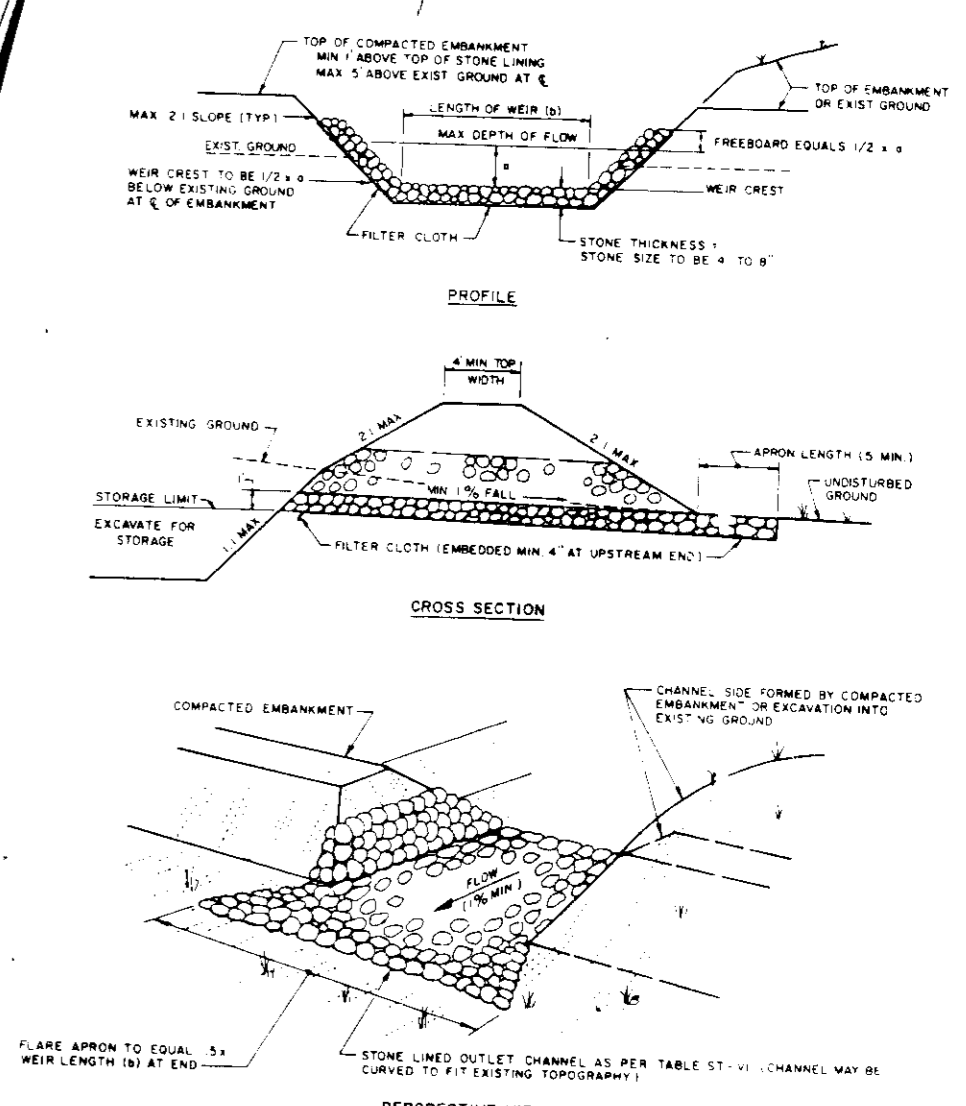
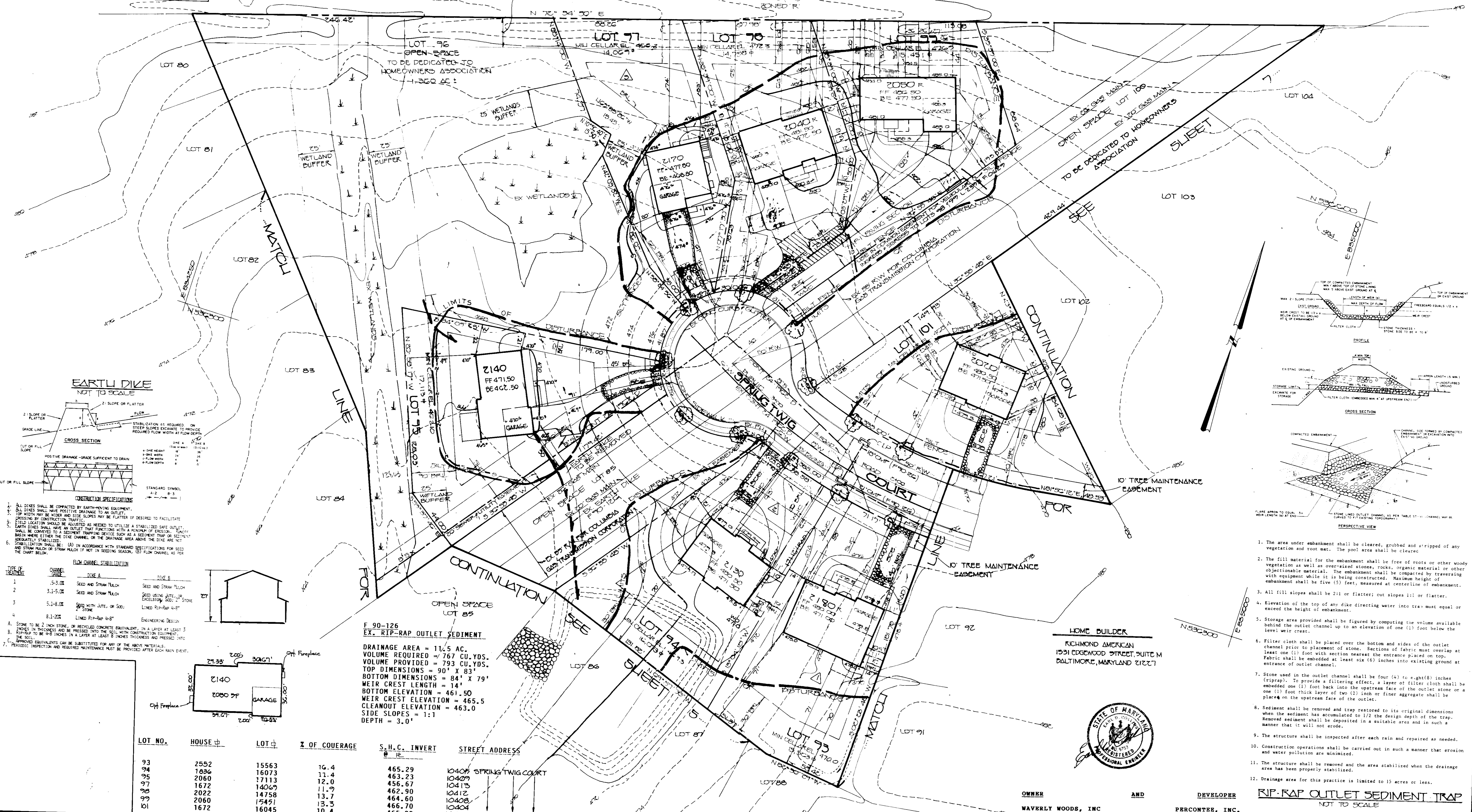
APPROVED: DEPARTMENT OF PUBLIC WORKS
FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS
[Signature] DATE: 10/19/91

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT
FOR PUBLIC WATER AND SEWERAGE SYSTEMS
[Signature] DATE: 10/17/91

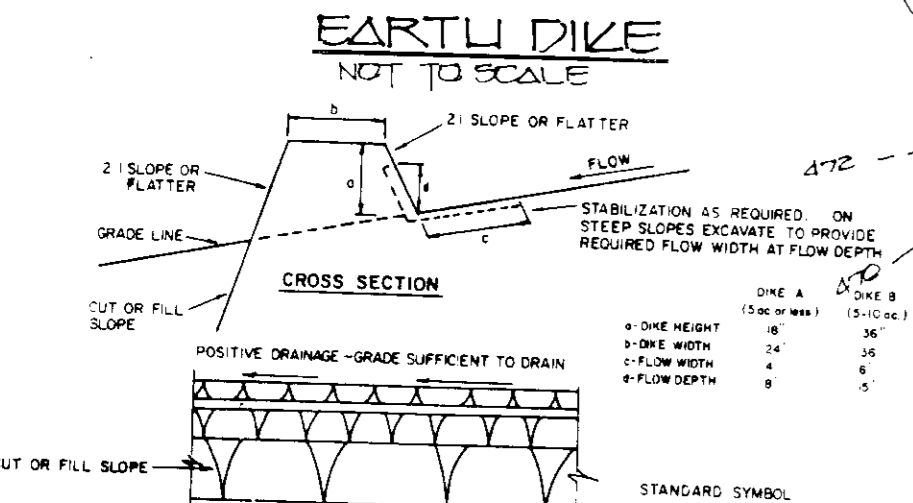
PROPERTY/SUBDIVISION: WAVELY WOODS
SECTION/AREA: N/A
PLAT NO./L.F. BLOCK NO. ZONE TAX/ZONE ELEC. DIST. CENSUS TR.: 1082 TO 1090 12 R-201 16 2 ND. & 3 RD. CENSUS TR.
WATER CODE: H-05 SEWER CODE: 5992500

S 89-44 P 89-70 F 90-126
SITE DEVELOPMENT PLAN
WAVELY WOODS SECTION II
LOTS 50 THRU 58 THRU 84, 86 THRU 95
97 THRU 99, 101 THRU 122 & 124 THRU 142
144 THRU 147
TAX MAP 16 PARCELS 22 & P.O. 21
2 ND. & 3 RD. ELECTION DISTRICT
HOWARD COUNTY MARYLAND APRIL 9, 1990
SCALE: 1" = 30' SHEET 7 OF 8

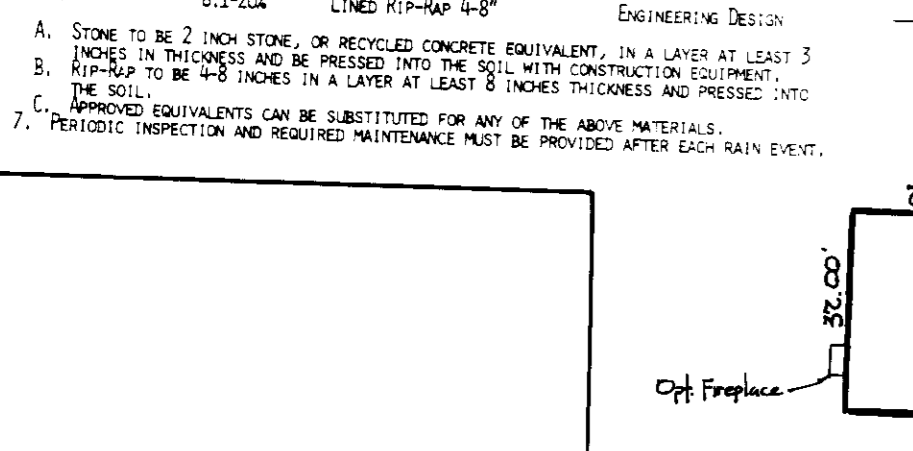
NO.	DATE	REVISION DESCRIPTION
1	01/11/93	REVISED MODEL ON LOT 93
2	01/11/93	REVISED MODEL ON LOT 94
3	05/07/93	REVISED MODEL ON LOT 97
4	0-4-93	REVISED MODEL ON LOT 95



- The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at crestline of embankment.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
- Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
- Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
- Stone used in the outlet channel shall be four (4) to eight (8) inches (trap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repaired as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- Drainage area for this practice is limited to 35 acres or less.



- CONSTRUCTION SPECIFICATIONS**
- All dikes shall be compacted by earthmoving equipment.
 - All dikes shall have positive drainage to an outlet.
 - Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
 - Earth dikes shall have an outlet that functions with a minimum of blockage. Sluiceway shall be converted to a sediment trapping device such as a sediment trap or retention basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
 - Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season; (B) flow channel as per the chart below.



F 90-126 EX. RIP-RAP OUTLET SEDIMENT TRAP

DRAINAGE AREA = 11.5 AC.
 VOLUME REQUIRED = 767 CU. YDS.
 VOLUME PROVIDED = 793 CU. YDS.
 TOP DIMENSIONS = 90' X 83'
 BOTTOM DIMENSIONS = 84' X 79'
 WEIR CREST LENGTH = 14'
 BOTTOM ELEVATION = 461.50
 WEIR CREST ELEVATION = 465.5
 CLEANOUT ELEVATION = 463.0
 SIDE SLOPES = 1:1
 DEPTH = 3.0'

LOT NO.	HOUSE #	LOT #	% OF COVERAGE	S.H.C. INVERT	STREET ADDRESS
93	2552	15563	16.4	465.29	10405 SPRING TWIG COURT
94	1896	16073	11.4	463.23	10409
95	2060	17113	12.0	456.67	10413
97	1672	14067	11.9	462.90	10412
98	2022	14758	13.7	464.60	10408
99	2060	15491	13.5	466.70	10404
101	1672	16045	10.4	465.29	10400 SPRING TWIG COURT

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DATE: 10/23/93
 SIGNATURE OF ENGINEER: [Signature]

DEVELOPER'S 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 DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

DATE: 10/23/93
 SIGNATURE OF DEVELOPER: [Signature]

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 DATE: 10/23/93
 SIGNATURE: [Signature]

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: [Signature] DATE: 10/23/93

APPROVED: DEPT. OF PLANNING AND ZONING
 DATE: 10/23/93
 SIGNATURE: [Signature]

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 DATE: 10/17/93
 SIGNATURE: [Signature]

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
 DATE: 10/23/93
 SIGNATURE: [Signature]

PROPERTY/SUBDIVISION: WAVERLY WOODS
 SECTION/AREA: 144 THRU 147
 PLAT NO./L.F.: 1052 TO 1050
 BLOCK NO.: 12
 ZONE: R-20
 TAX/ZONE: 10
 ELEC. DIST.: 22
 CENSUS TR.: 21
 WATER CODE: H-05
 SEWER CODE: 5992500

S 89-44 P 89-70 F 90-126
 SITE DEVELOPMENT PLAN
WAVERLY WOODS
 SECTION II
 LOTS 90 THRU 96, 98 THRU 84, 86 THRU 75
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