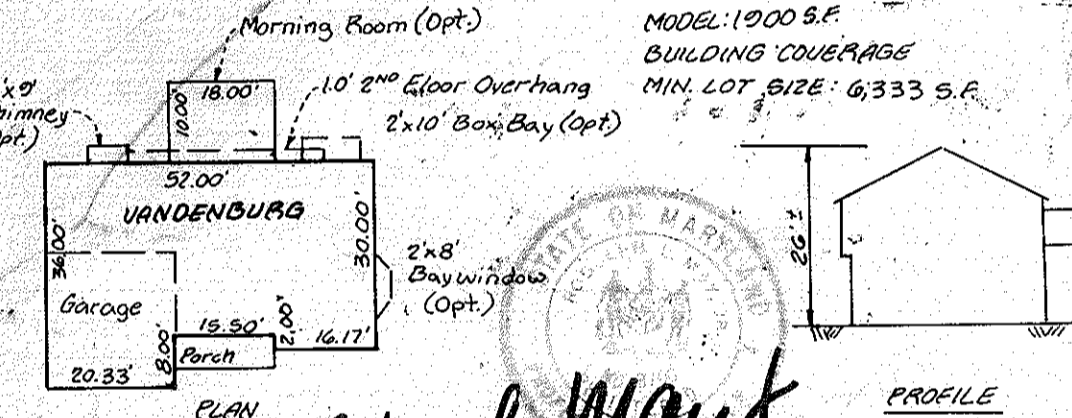


NOTE: For General Notes see sheet 3 of 4.

SEDIMENT TRAP #1 DATA:

1. Drainage Area: 1.22 Ac. ±
2. Type of Trap: Stone Outlet
3. Volume Required: 82 Cubic Yards
4. Volume Provided: 83 Cubic Yards
5. Weir Width: 50' Weir Depth: 1.0' Min.
6. Weir Crest Elev. 429.00
7. Top of Embankment Elev. 430.00
8. Cleanout Elev. 426.75
9. Bottom Elev. 425.5
10. Trap Dimensions: 30' x 20' (Bottom)
11. Trap Depth: 2.5'
12. Side Slopes: 2:1



ADDRESS CHART

Lot #	Street Address	Lot #	Street Address
1	5101 Ilchester Woods Way	18	5108 Ilchester Woods Way
2	5105	19	5104
3	5109	20	5100
4	5113	21	5150
5	5117	22	5148
6	5125	23	5144
7	5129	24	5140
8	5133	25	5136
9	5137	26	5132
10	5141	27	5128
11	5145	28	5124
12	5149	29	5120
13	5153	30	5116
14	5157	31	5112
15	5161	32	5108
16	5165	33	5104
17	5169	34	5100

- LEGEND**
- EXISTING GROUND
 - PROPOSED GRADE
 - WETLAND LIMITS
 - EX. TREES
 - EX. TREES TO REMAIN
 - SILT FENCE
 - LIMIT OF DISTURBANCE
 - EX. STREET TREES (F90-83)
 - EX. TREE PROTECTION FENCE TO REMAIN AND TO BE RELOCATED WHERE SHOWN
 - EX. SILT FENCE TO REMAIN AND TO BE RELOCATED WHERE SHOWN
 - EX. SLOPES 25% AND GREATER (F90-83) CREATED SLOPES 25% AND GREATER

REVISIONS

DATE	BY	REVISION
1-12-93	WAL	Lot 3 House Type (Bradford)
1-12-93	WAL	Lot 27 House Type (Rosemont)
9-2-92	KBW	Lot 7 House type (Stratford) Minor Grading within Lot 6 and 8
9-2-92	KBW	Lot 30 House type (Stratford)
9-2-92	KBW	Lot 31 House type (Birchwood)
9-29-92	KBW	Lot 1 Revised Grading to allow for Walkout Basement

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.

Rodolph Mayt 7/26/90 6/1/92
 SIGNATURE OF ENGINEER DATE

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

James P. Shaw 6/12/92
 DIRECTOR, PUBLIC WORKS DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

James P. Shaw 6/22/92
 PLANNING DIRECTOR DATE

Anna Helmuth 6/20/92
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

Joseph M. Boyle 6/17/92
 HEALTH OFFICER DATE

REVISIONS

DATE	BY	REVISIONS
8/2/93	LOE	Lot 4 House type (Wandenburg)
8/2/93	KCS	Lot 33 House type (Wandenburg)
8-12-93	WAL	Lot 27 House type (Birchwood)
1-20-93	WAL	Lot 32 House type (NYTHE)
1-28-93	WAL	Lot 2 House type (SARTON)
12-3-92	WAL	Lot 19 House type (Stratford)
12-3-92	WAL	Lot 20 House type (Birchwood)

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 NATURAL RESOURCES 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."

Rodolph Mayt 6/1/92
 SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

John R. Plutson 6/10/92
 U.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED: *John R. Plutson* 6/10/92
 DISTRICT HOWARD SOIL CONSERVATION DISTRICT DATE

LAND DESIGN ENGINEERING, INC.
 10620 Guilford Road • Suite 110 • Jessup • Maryland 20794 • (301)804-6264 • (410) 890-0034

SITE DEVELOPMENT PLAN
 LOTS 1-34
 (SFD UNITS)

ILCHESTER WOODS

TAX MAP 31 PARCEL 521
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

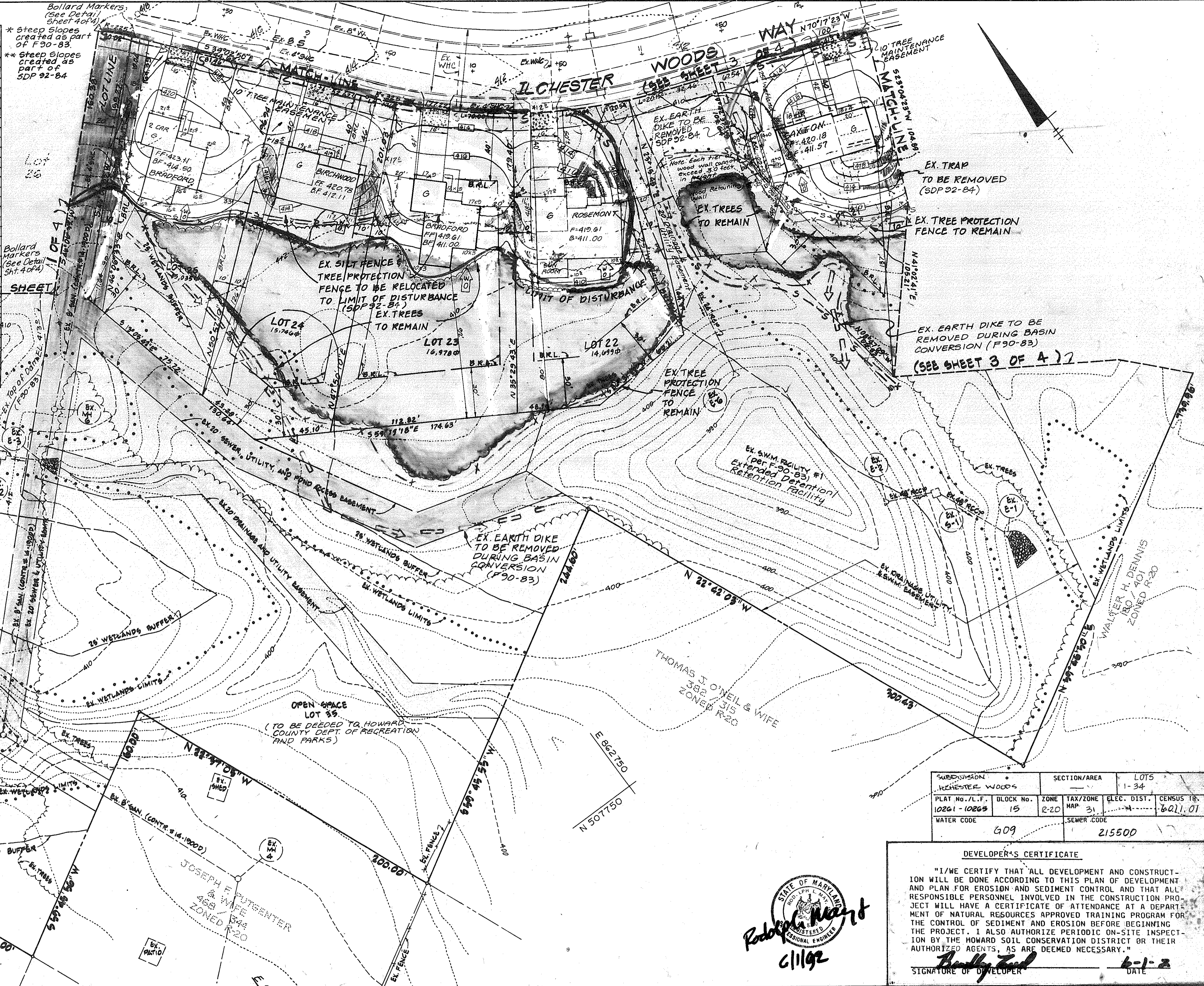
Previous Submittals: 588-25, F90-11, F90-83, W9-151, W92-86

SCALE: 1"=30'
 SHEET 1 OF 4
 JOB NO. 88-400
 JOB NO. 91-401

MINIMUM LOT SIZE CHART

LOT NO.	GROSS AREA	MINUS FFI/25% SLOPE AREA*	MINUS PIPE-STEM AREA	SUBTOTAL AREA	MINUS CREATED** STEEP SLOPE AREA	PLUS UP TO 10% CREATED 3/8 AREA	MINIMUM LOT SIZE
1	14,000	0	0	14,000	156	156	14,000
2	15,000	0	0	15,000	600	600	15,000
3	16,221	0	0	16,221	650	650	16,221
4	17,362	0	0	17,362	1,230	1,230	17,362
5	18,417	0	0	18,417	0	0	18,417
6	16,557	0	0	16,557	0	0	16,557
7	14,924	0	0	14,924	0	0	14,924
8	14,597	0	0	14,597	500	500	14,597
9	15,225	0	0	15,225	500	500	15,225
10	15,200	0	0	15,200	0	0	15,200
11	14,932	0	2,324	14,932	0	0	14,932
12	14,932	0	0	14,932	120	120	14,932
13	15,707	0	0	15,707	0	0	15,707
14	17,091	350	1,957	14,784	150	150	14,784
15	20,115	2,600	0	17,515	0	0	17,515
16	20,686	3,100	0	17,586	0	0	17,586
17	25,641	3,475	0	22,166	0	0	22,166
18	14,639	200	0	14,439	1,386	1,386	14,439
19	15,123	0	0	15,123	1,123	1,123	15,123
20	16,383	0	0	16,383	1,170	1,170	16,383
21	14,216	0	0	14,216	1,100	1,100	14,216
22	14,699	0	0	14,699	990	990	14,699
23	16,978	0	0	16,978	405	405	16,978
24	15,746	0	0	15,746	550	550	15,746
25	15,035	0	0	15,035	995	995	15,035
26	14,298	0	0	14,298	456	456	14,298
27	14,098	0	0	14,098	0	0	14,098
28	14,547	0	0	14,547	0	0	14,547
29	16,100	0	0	16,100	315	315	16,100
30	15,050	0	0	15,050	810	810	15,050
31	23,600	650	2,166	20,784	325	325	20,784
32	20,000	0	0	20,000	345	345	20,000
33	20,125	0	0	20,125	1,845	1,400	19,680
34	20,000	0	0	20,000	440	440	20,000

(AREAS MEASURED IN SQUARE FEET)
THERE ARE NO LOTS LOCATED WITHIN THE 100 YEAR FLOODPLAIN.



DATE	BY	REVISION
1-12-93	WAS	LOT 22 HOUSE TYPE (ROSEMONT)
1-12-93	WAS	LOT 25 HOUSE TYPE (BRADFORD)
2-11-93	WAS	LOT 23 HOUSE TYPE (BRADFORD)
8-12-93	WAS	LOT 21 HOUSE TYPE (SAXTON)

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

James A. ... 6/12/92
DIRECTOR, PUBLIC WORKS

... 6-12-92
CHIEF, BUREAU OF ENGINEERING

APPROVED: DEPARTMENT OF PLANNING AND ZONING

James ... 6/22/92
PLANNING DIRECTOR

... 6/22/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

... 6-17-92
HEALTH OFFICER

OWNER: Ilchester Limited Partnership
10620 Guilford Road Suite 100
Jessup, Maryland 20794

Builder:
RYAN HOMES
1829 Reisterstown Rd.
Baltimore, MD 21208
Phone (410) 653-6070

EDWARD HENDERSON CORDDRY
1139 / 125
ZONED R-20

JOSEPH F. PUTZENTER & WIFE
458 / 348
ZONED R-20

JOSEPH B. PUTZENTER
508 / 410
ZONED R-20

ROBERT WARTHEN
517 / 346
ZONED R-20

JOSEPH B. PUTZENTER
508 / 410
ZONED R-20

ROBERT WARTHEN
517 / 346
ZONED R-20

GENE B. SANSING
1579 / 15
ZONED R-20

WALTER H. DENNIS
280 / 401
ZONED R-20

THOMAS J. O'NEIL & WIFE
382 / 315
ZONED R-20

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.

Robert M. ...
SIGNATURE OF ENGINEER

6/1/92
7/26/92
DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

... 6/1/92
DATE

U.S. SOIL CONSERVATION SERVICE

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

APPROVED:

John R. Robertson 6/1/92
DISTRICT ENGINEER
HOWARD SOIL CONSERVATION DISTRICT

LAND DESIGN ENGINEERING, INC.
10620 Guilford Road Suite 110 • Jessup • Maryland 20794 • (301)804-8284 • (410) 897-0034

DES: LM
DRW: LM/KW
CHK: TD
DATE: 1/92

SITE DEVELOPMENT PLAN
LOTS 1-34
(SFD UNITS)
ILCHESTER WOODS
TAX MAP 31 PARCEL 521
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
Previous Submittals: 588-23, P89-11, F30-83, WP91-151, WP92-86

SCALE: 1" = 30'
SHEET: 2 OF 4
JOB NO. 88-400
JOB NO. 91-401

SDP 92-84

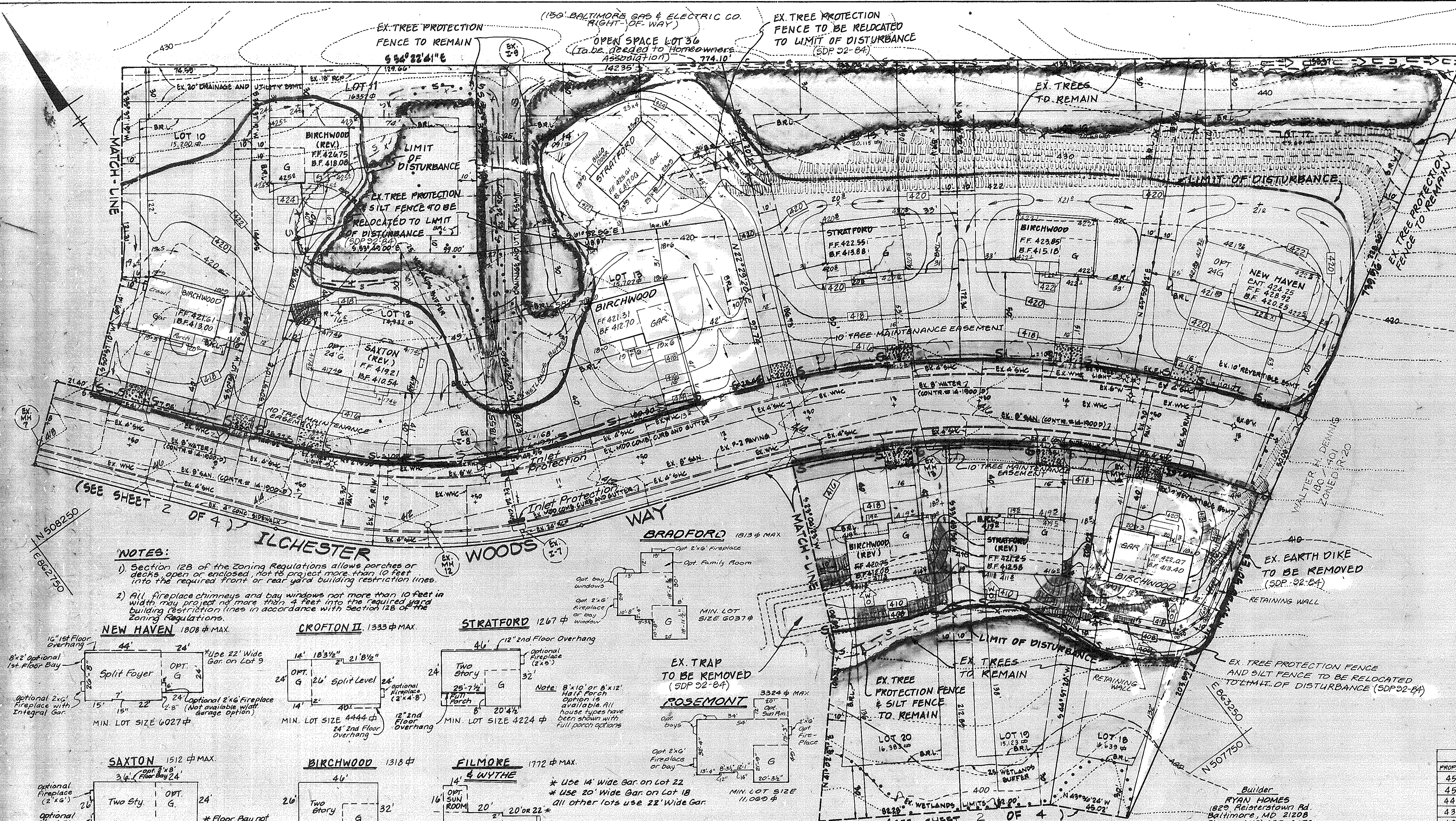
SUBDIVISION	SECTION/AREA	LOTS
ILCHESTER WOODS		1-34
PLAT NO./L.F.	BLOCK NO.	ZONE
10261-10263	15	R-20
TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
31	4	621.01
WATER CODE	SEWER CODE	
609	215500	

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 NATURAL RESOURCES 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."

...
SIGNATURE OF DEVELOPER

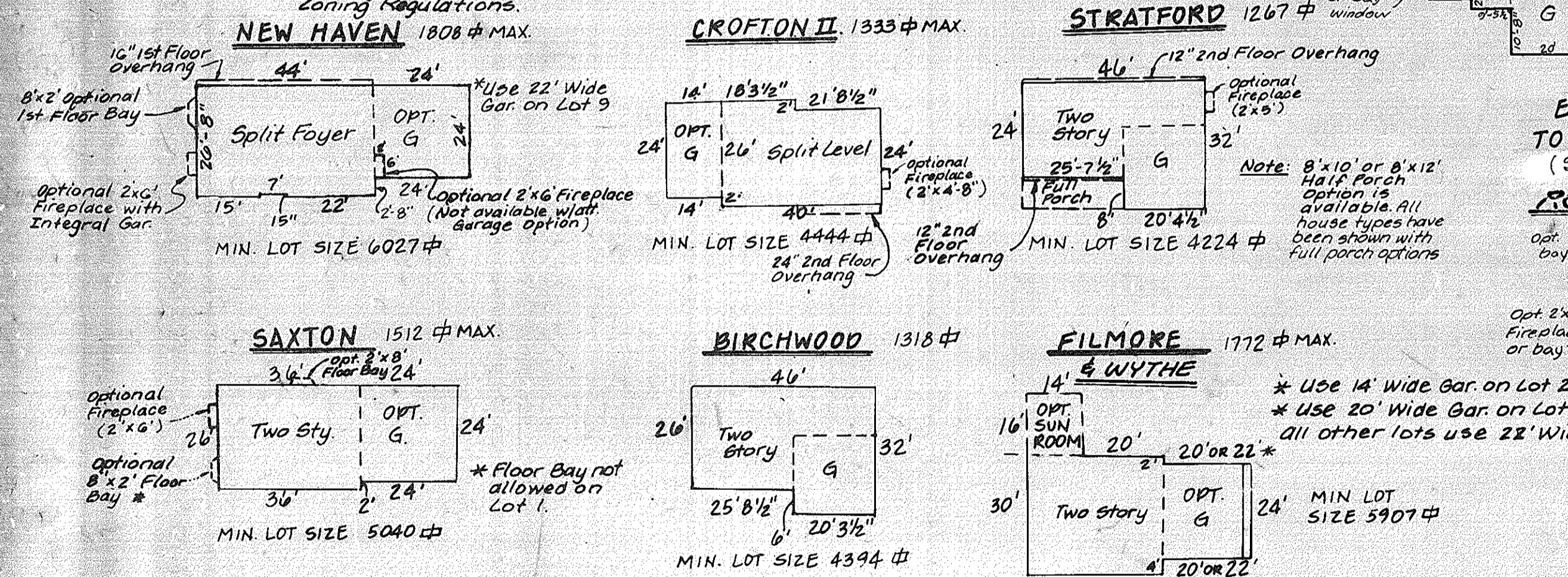
6-1-92
DATE



- GENERAL NOTES**
- SITE ANALYSIS:
 - TOTAL AREA OF BUILDABLE LOTS: 13.06 AC.
 - LIMIT OF SUBMISSION: 12.20 AC.
 - TOTAL NUMBER OF BUILDABLE LOTS: 34
 - PRESENT ZONING: R-20 (RESIDENTIAL/SINGLE)
 - TAX MAP: 31 PARCEL: 521
 - PLAT REFERENCE: 10261-10264
 - PREVIOUS SUBMITTALS: 588-25, P89-11, P90-83, WP91-151, WP92-86
 - TYPICAL MINIMUM BUILDING SETBACKS:
 - FRONT:
 - LOTS 20,000 S.F. AND GREATER: 50 FEET
 - LOTS LESS THAN 20,000 S.F.: 40 FEET
 - REAR: 30 FEET
 - SIDE: 10 FEET
 - CORNER LOTS: 30 FEET
 - LOT COVERAGE: 30% MAXIMUM
 - FOR TYPICAL HOUSE DIMENSIONS, TYPICAL HOUSE PROFILES AND TYPICAL HOUSE OPTIONS, SEE SHEET 3 OF 4.
 - FOR CONSTRUCTION DETAILS, SEDIMENT CONTROL NOTES AND SPECIFICATIONS, SEE SHEET 3 OF 4.
 - ALL WORK SHOWN ON THESE PLANS SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, VOLUME IV.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS, BUREAU OF CONSTRUCTION INSPECTION AT 410-792-7272 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START WORK.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION WORK.
 - ANY DAMAGE TO EXISTING PUBLIC RIGHT-OF-WAYS, EXISTING PAVING, EXISTING CURB AND CUTTER, EXISTING UTILITIES, ETC. SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
 - THE EXISTING UTILITIES SHOWN HEREON ARE LOCATED FROM CONSTRUCTION DRAWINGS OF RECORD (P90-89 AND WAS CONTRACT #14-1900D). THE APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION AND CONVENIENCE. THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES TO HIS OWN SATISFACTION AND WELL IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES. ADDITIONALLY, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE.
 - TOPOGRAPHY TAKEN FROM P90-83, A FIELD RUN SURVEY DATED NOVEMBER 1987 BY RYAN HOMES & ASSOCIATES, INC. TWO FOOT CONTOUR INTERVALS ARE SHOWN.
 - HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS #2844005 AND #2844007.
 - STORM WATER MANAGEMENT FOR THIS SITE IS PROVIDED UNDER P90-83. THE DETENTION/RETENTION FACILITIES WILL BE PUBLICLY MAINTAINED.
 - THE STREET TREES SHOWN ON THESE PLANS ARE PROVIDED UNDER P90-83.
 - THE WETLAND BUFFER INDICATION ON THIS SDP DOES NOT AFFECT INITIAL CONSTRUCTION OF A RESIDENTIAL UNIT ON ANY LOT. IT DOES PROHIBIT SUBSEQUENT CLEARING, GRADING OR CONSTRUCTION IN THE BUFFER AREA. MAINTENANCE OF RESIDENCES, LANDSCAPING AND UTILITIES IS PERMITTED. WETLANDS GRADUATED WITH RESPECT TO BILL #66.
 - THE FOLLOWING CERTIFICATIONS HAVE BEEN ACQUIRED:
 - 401 AND 404 WETLAND PERMIT #90-0201-5
 - WATER QUALITY 390-WQ-0004

NOTES:

- Section 12B of the Zoning Regulations allows porches or decks, open or enclosed, not to project more than 10 feet into the required front or rear yard building restriction lines.
- All fireplace chimneys and bay windows not more than 10 feet in width may project no more than 4 feet into the required yard building restriction lines in accordance with Section 12B of the Zoning Regulations.



TYPICAL HOUSE PLANS AND PROFILES
NOT TO SCALE

DATE	BY	REVISION
1-12-93	WAJ	ADDED ROSEMONT AND BRADFORD HOUSE TYPES TO PLAN AND PROFILE VIEWS
1-12-93	WAJ	REVISE SEWER HOUSE CONNECTION CHART
1-12-93	WAJ	ADDED WYTHE HOUSE TYPE TO PLAN AND PROFILE VIEWS
2-23-93	WAJ	LOT 18 HOUSE TYPE (BIRCHWOOD)
5-2-93	LDE	LOT 10 HOUSE TYPE (BIRCHWOOD)
5-2-93	LDE	LOT 14 HOUSE TYPE (STRATFORD)
10-14-93	LDE	LOT 13 HOUSE TYPE (BIRCHWOOD)

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 NATURAL RESOURCES 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."

Robert May
6/11/92
SIGNATURE OF DEVELOPER

Burdett
6-1-92
DATE

PROP. BSMT. CL.	LOT #	INV. @ R/W	MIN. BSMT. ELEV.	LOT #	INV. @ R/W	MIN. BSMT. ELEV.	PROP. BSMT. CL.
456.70	1	448.51	453.41	18	409.87	413.37	413.40
450.00	2	442.01	447.11	19	409.06	412.36	412.58
442.00	3	436.19	440.69	20	408.43	411.93	411.37
434.00	4	421.75	426.25	21	407.97	411.57	411.57
431.01	5	418.16	422.66	22	407.31	410.91	411.00
422.76	6	413.52	418.02	23	406.49	410.59	411.00
420.68	7	411.18	415.68	24	406.63	410.23	412.48
419.08	8	408.87	413.47	26	405.39	409.89	418.58
416.83	9	406.32	411.01	27	412.20	416.70	421.32
413.00	10	406.59	411.09	28	415.39	419.89	422.78
418.08	11	406.91	412.91	29*	417.46	421.96	425.98
410.54	12	407.04	410.54	30	420.63	425.13	430.08
412.70	13	408.09	412.69	31	422.91	427.41	428.08
417.00	14	408.76	415.56	32	434.81	439.71	440.00
413.88	15	409.14	413.84	33	441.34	446.24	448.70
415.18	16	409.43	414.33	34	448.39	452.89	454.08
420.25	17	410.29	413.89	25	405.45	409.55	414.80

OWNER: Ilchester Limited Partnership
10620 Guilford Road Suite 100
Jesup, Maryland 20794

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

James M. White
6/10/92
DATE

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

James P. White
6/10/92
DATE

CHIEF, BUREAU OF ENGINEERING

SUBDIVISION	SECTION/AREA	LOTS
ILCHESTER WOODS	1-34	
PLAT No./L.F.	BLOCK No.	ZONE
10261-10265	15	R-20
TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
	1	6011.01
WATER CODE	SEWER CODE	
909	215500	

APPROVED: DEPARTMENT OF PLANNING AND ZONING

James P. White
6/26/92
DATE

Anna Holman
6/26/92
DATE

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

Debra Lynn
6-17-92
DATE

HEALTH OFFICER

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.

Robert May
6/11/92
7/26/90
DATE

SIGNATURE OF ENGINEER

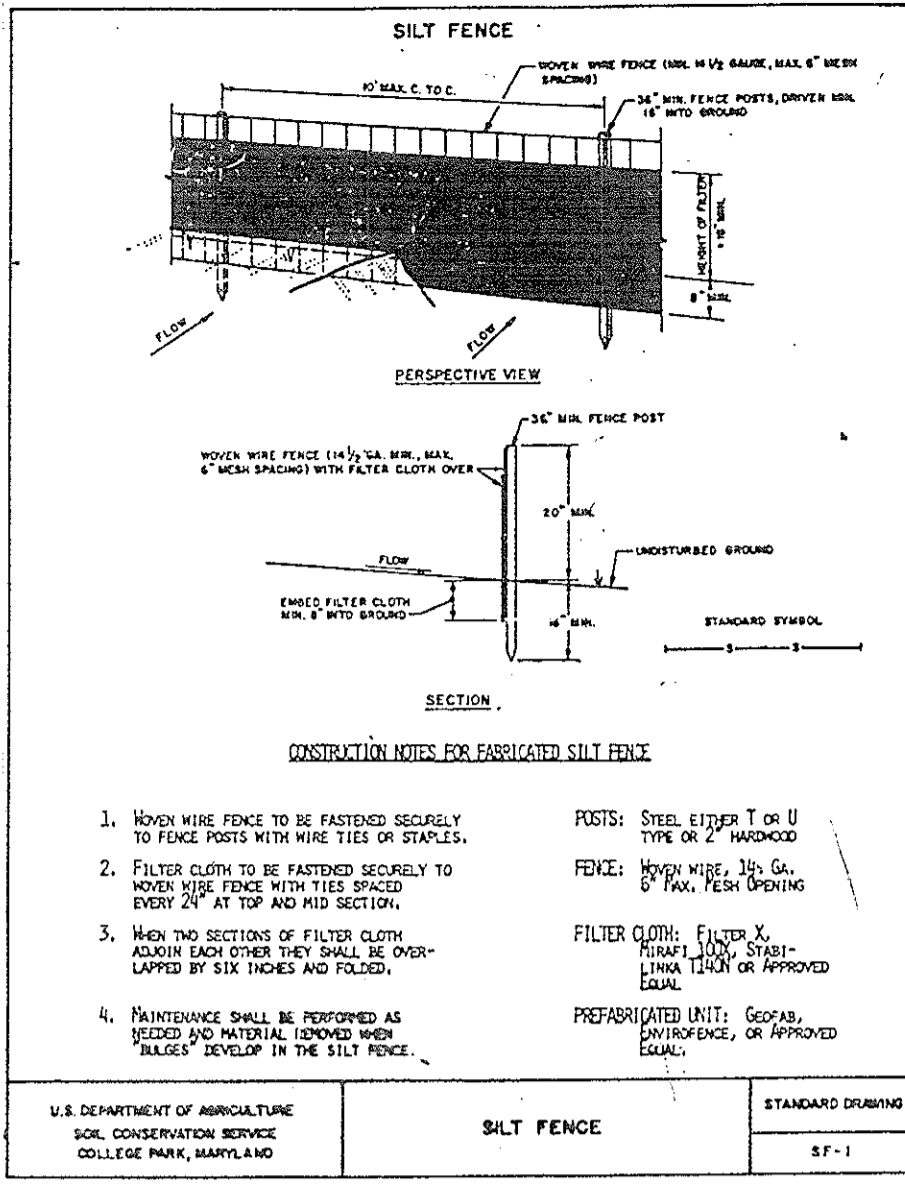
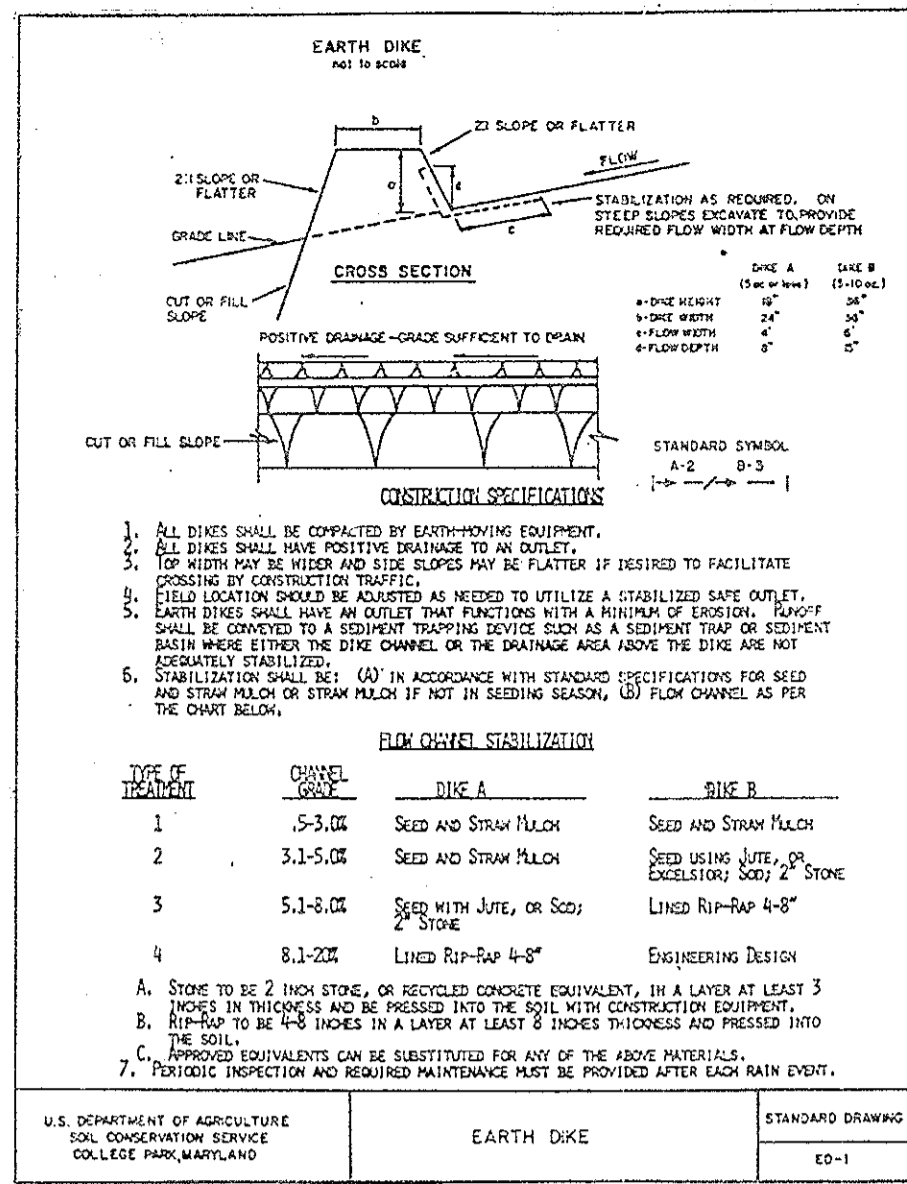
LAND DESIGN ENGINEERING, INC.

10620 Guilford Road Suite 110 • Jesup • Maryland 20794 • (301)804-6264 • (410)880-0000

DESIGN: LM
DRAWING: LM/KW
CHECKED: TD
DATE: 1/92

SITE DEVELOPMENT PLAN
LOTS 1-34
(SFD UNITS)
ILCHESTER WOODS
TAX MAP 31 PARCEL 521
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
Previous Submittals: 588-25, P89-11, P90-83, WP91-151, WP92-86

SCALE: 1"=30'
SHEET: 3 OF 4
JOB NO.: 88-400
JOB NO.: 91-401



PERMANENT SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

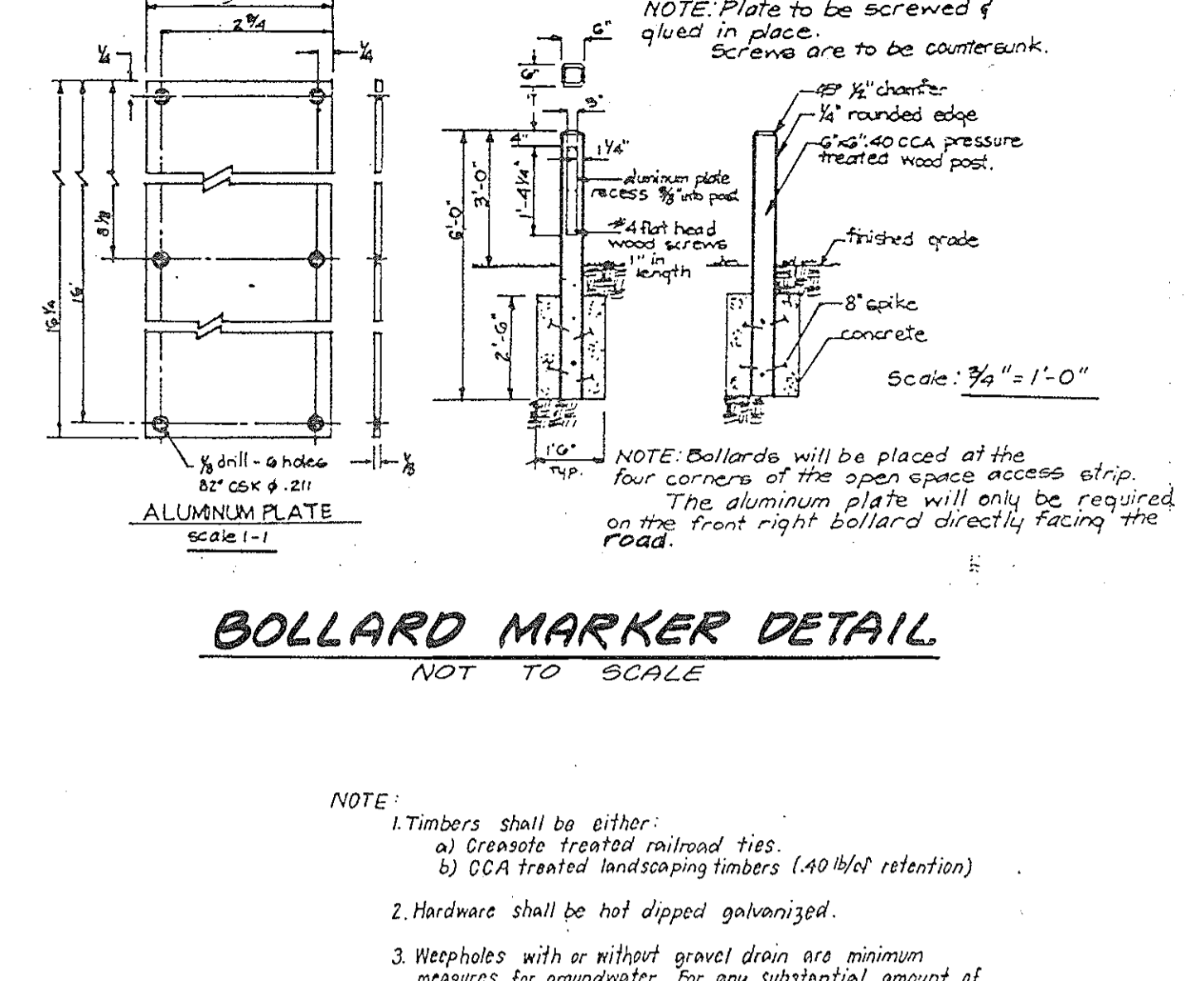
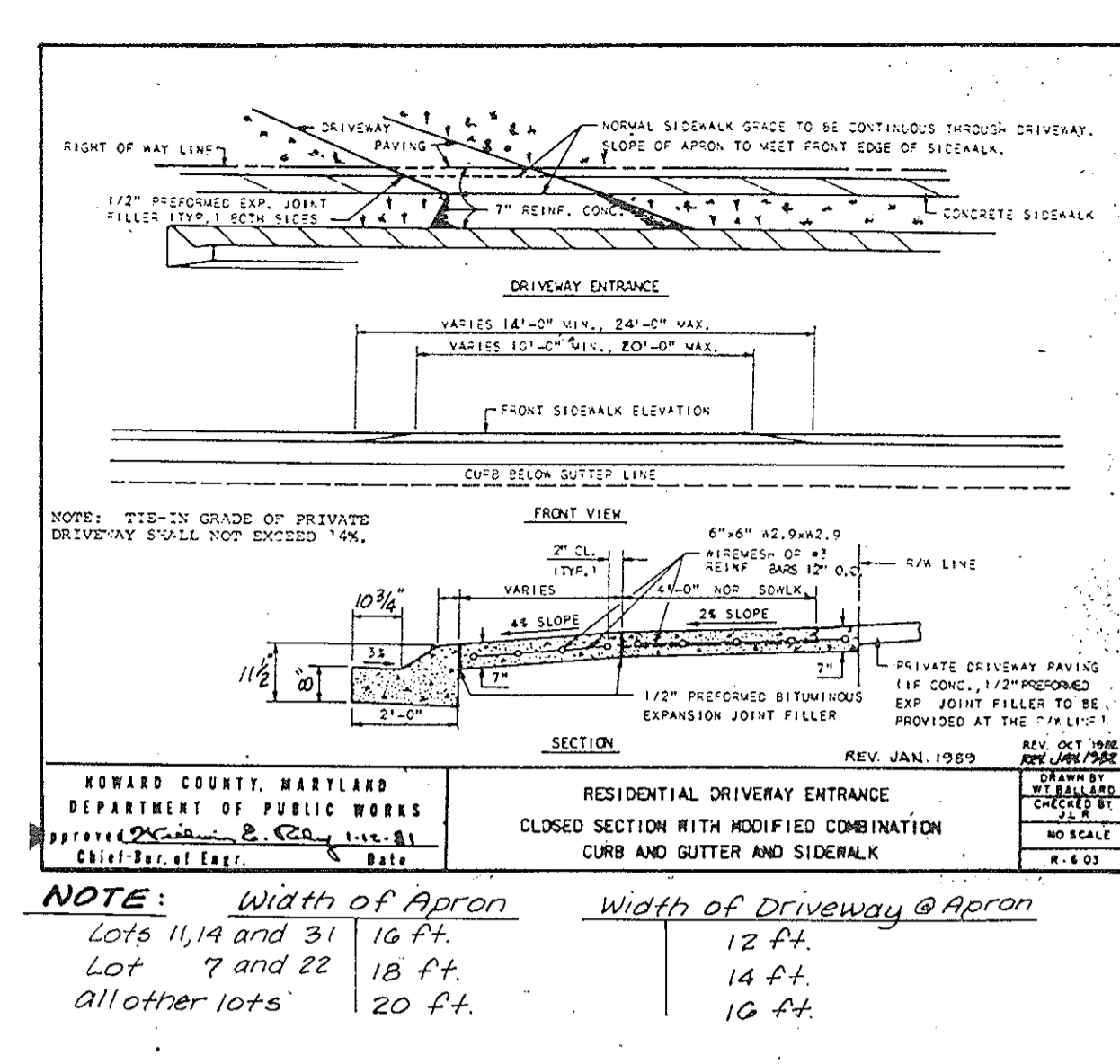
Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

1. Preferred - apply 2 tons per acre dolomitic limestone (92 lbs./1000 square feet) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 square feet) 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 (9 lbs./1000 sq. ft.)
2. Acceptable - apply 2 tons per acre dolomitic limestone (92 lbs./1000 square feet) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.05 lbs./1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) use seed, Option (3) seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 340 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

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



- Construction Sequence**
1. Obtain grading permit. Inspect the existing sediment basin, traps and other sediment controls constructed under F-90-83 and make any necessary repairs or maintenance to obtain original design capacity prior to beginning any work shown hereon.
 2. Construct stabilized construction entrances for lots.
 3. Excavate sediment traps proposed under Ilchester Woods Site Plan (SDP-92-04) to required dimensions. Use excavated material to construct earth dikes. Compact dikes and stabilize with temporary seeding mixture and straw mulch.
 4. Install and relocate silt fence and tree protection fence to limits of disturbance shown on SDP-92-84. Install inlet protection.
 5. After approval by sediment control inspector, remove downstream sediment controls as indicated on the site plan (SDP-92-84). Convert existing sediment basins to permanent stormwater management facilities under F-90-83 (see Note 12 of approved F-90-83 construction sequence). Bring house sites to subgrade.
 6. Begin excavation for house foundations and begin house construction.
 7. Sediment shall be removed from the sediment traps when the cleanout elevation has been reached.
 8. The contractor shall inspect and provide necessary maintenance on the sediment and erosion control structures shown hereon after each rainfall and on a daily basis. The sediment traps shall be dewatered by pumping. The accumulated sediment from the traps shall be placed up-grade from the traps in such a manner as not to interfere with construction operations or cause erosion down-grade from the traps.
 9. Remove sediment from roadways and dress stabilized construction entrances as required.
 10. Fine grade lots and stabilize with permanent seeding mixture and straw mulch. Install driveways and sidewalks.
 11. Remove silt fence and stabilize disturbed areas with permanent seeding mixture and straw mulch.
 12. After permission has been given by the sediment control inspector, backfill the sediment traps.
 13. Remove silt fence and tree protection fence. Stabilize disturbed areas with permanent seeding mixture and straw mulch.

- SEDIMENT CONTROL NOTES**
1. A minimum of 48 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction. (880-9488)
 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 and revisions thereto.
 3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within a 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1 or 14 days as to all other disturbed or graded areas on the project site.
 4. All sediment traps/basins shown must be fenced and warning signs posted around their 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 Control for permanent seedings (Sec. 51), sod (Sec. 54) temporary seeding (Sec. 50) and mulching (Sec. 52) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 7. Site Analysis:
 - a) Total Area of Site 19.35 Acres
 - b) Area Disturbed 8.03 Acres
 - c) Area to be roofed or paved 2.17 Acres
 - d) Area to be vegetatively stabilized 5.86 Acres
 - e) Total Cut 25770 cu.yds. (includes 10% compaction)
 - f) Total Fill 24770 cu.yds.
 - g) Offsite waste/dump area location N/A
 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 9. Additional sediment control must be provided if deemed necessary by the Howard County DPM Sediment Control Inspector.
 10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
 11. Trenches made for the construction of utilities is limited to three pipe lengths, or that which can be backfilled and stabilized within one working day, whichever is greater.

TEMPORARY SEEDING NOTES

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

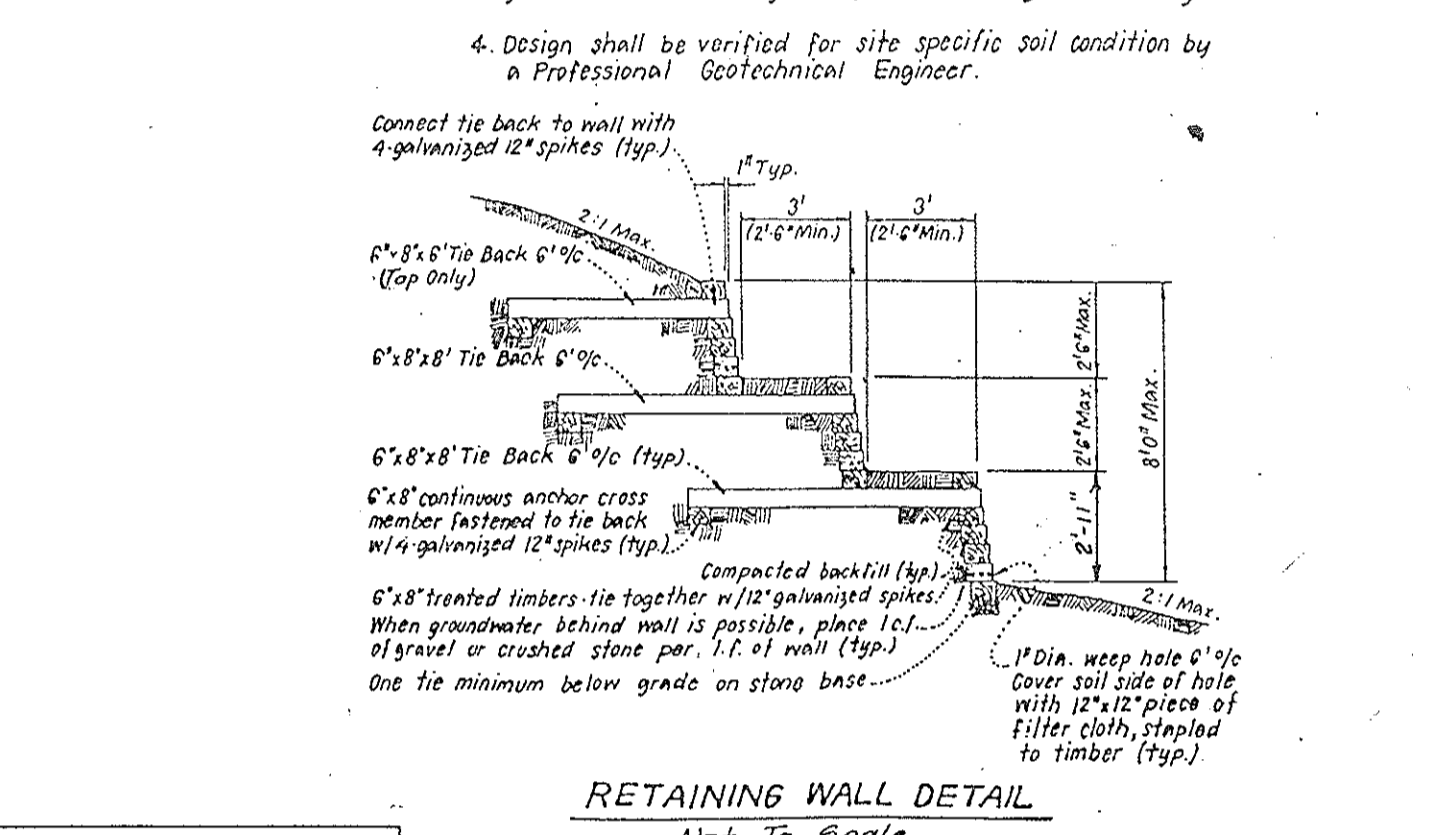
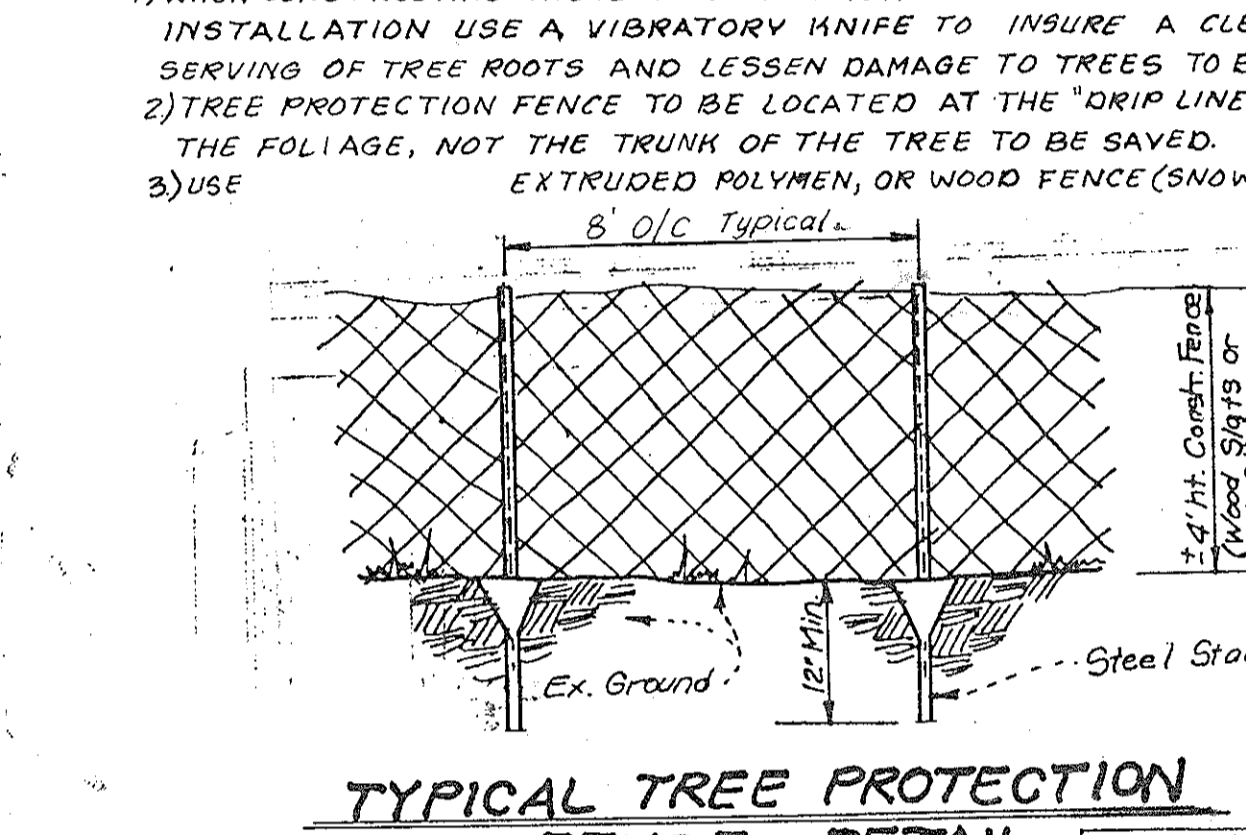
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 60 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushels per acre of annual rye (3.2 lbs./1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs./1000 sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 340 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR rates and methods not covered.



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

James M. Shaw 6/12/92
DIRECTOR, PUBLIC WORKS DATE

6/12/92
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Joseph R. Hester 6/23/92
PLANNING DIRECTOR DATE

6/23/92
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

6/17/92
HEALTH OFFICER 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 NATURAL RESOURCES 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."

Signature of Developer: *Robert May* 6/1-92
DATE

OWNER: Ilchester Limited Partnership
10620 Guilford Road, Suite 109
Jessup, Maryland 20794

6/1/92

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Signature of Engineer: *Robert May* 6/1/92
DATE

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

Signature of Inspector: *Joseph R. Hester* 6/1/92
DATE

LAND DESIGN ENGINEERING, INC.
10620 Guilford Road • Suite 110 • Jessup • Maryland 20794 • (301)864-8264 • (410) 880-0034

DES: LM
DRAWN: LM/KW
CHKD: TD
DATE: 1/92

SITE DEVELOPMENT PLAN
LOTS 1-34
(SFD UNITS)
ILCHESTER WOODS
TAX MAP 31 PARCEL 521
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
Previous Submittals: 58-88-29, 783-11, 720-83, 11/31/81, 11/92-86

SCALE: 1" = 30'
SHEET 4 of 4
JOB NO. 88-400
JOB NO. 91-401

DATE	BY	REVISION

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: *Robert May* 6/1/92
DATE

SUBDIVISION	SECTION/AREA	LOTS
ILCHESTER WOODS		1-34
PLAT No./L.F.	ZONE	TAX/ZONE
10261-10265	15	R20
WATER CODE	SEWER CODE	ELEC. DIST.
609	215500	CENSUS TR.
		6011.01