	Description
1	Cover Sheet
2	Preliminary Plan
3	Schematic Grading, Landscape & Sediment Control Plan
1	Forest Conservation Plan
5	Forest Conservation Plan

ROAD CLASSIFICATION					
Road Name	Classification	R/W			
Jeans Way	Closed Section Public Access Street 0+00 - 7+35.22	*			

^{*} The R/W width changes from 40', to variable,

	_		51	573,52
			56	573,83
			57	574,17
ON			58	574,35
	R/W			
0 - 7+35.22	*			<u></u>
to 45' see	plan.	Г	MIN	MUMIN
		_	1 111	
		- 11		GRO

	CENTERLIN	E ROAD	CURVE	DATA
Curve #	Stations	Delta	Radius	Arc Length
C-1	1+71.99 - 3+58.38	47° 48' 32"	215,321	186.391
C-2	6+51.12 - 7+36.12	25° 15' 07"	200¹	85.001

CO	ORDINATE	TABLE
POINT NO.	NORTH	EAST
55	574,409.170	1,378,388.033
29	574,417.998	1,378,828.977
3	573,820.374	1,378,806.234
51	573,522.498	1,377,935.686
56	573,837.606	1,378,109.774
57	574,174.370	1,378,295.827
58	574,354.255	1,378,375.673

MINIMUM LOT SIZE CHART					
LOT NO.	GROSS AREA	PIPESTEM AREA	MINIMUM LOT SIZE		
3 .	8,487 sq.ft.	414 sq.ft.	8,073 sq.ft.		
4	18,408 sq.ft.	900 sq.ft.	17,508 sq.ft.		
5	11,483 sq.ft.	1,939 sq,ft.	9,544 sq.ft.		

LEGEND



Proposed House Site



Denotes Non-Tidal Wetlands



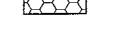
Denotes 15% - 24.9% Slopes



Denotes 25% Slopes or Greater



Denotes Forest Conservation Areas



- GnB2 - Denotes Soil Line



Denotes Proposed Shade Tree

Denotes Proposed Evergreen Tree



Denotes Existing Specimon Tree

SCHEDULE A PERIMETER LANDSCAPE EDGE

		PERIFIE	ER LANE	JSCAPE I		<u></u>		
CATEGORY	ADJACENT TO ROADWAY			ADJACENT TO PERIMETER PROPERTY				
PERIMETER LANDSCAPE	1	2	3	4	5	6	7	
LANDSCAPE TYPE	В	В	A	A	Α	A	A	
LINEAR FEET	316¹	1841	1301	247¹	407'	598¹	873 ¹	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	NO	NO	NO	NO	YES 1971	NO	
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET)	NO	NO	NO	NO	NO	NO	NO	
NO. OF PLANTS REQ'D.* SHADE TREES EVERGREEN TREES SHRUBS	1:50 - 6 1:40 - 8 0	1:50 - 4 1:40 - 5 0	1:60 - 2 0 0	1:60 - 4 0 0	1:60 - 7 0 0	1:60 - 10 0 0	1:60 - 15 0 0	

* 1. THE SPECIFIC TYPE OF LANDSCAPING SHALL BE LISTED AT THE FINAL DESIGN STAGE. 2. WHEN EQUAL SUBSTITUTIONS ARE MADE, NO PRIOR APPROVAL IS NEEDED FROM THE DEPARTMENT

OF PLANNING AND ZONING; HOWEVER, A REVISED PLANT LIST MUST BE SUBMITTED WITH THE CERTIFICATION OF INSTALLATION. 3. IF CHANGES IN THE GENERAL TYPE OF PLANT MATERIAL ARE TO BE MADE OR IF A CHANGE IN AN OPTIONAL TREATMENT IS PROPOSED, WRITTEN AUTHORIZATION MUST BE REQUESTED FROM THE DEPARTMENT OF PLANNING AND ZONING. IN SUCH A CASE, THE DEPARTMENT MAY REQUIRE THE LANDSCAPE PLAN BE REVISED UTILIZING THE "RED LINE REVISION PROCESS".

4. STREET TREES ALONG BOTH SIDES OF JEANS WAY WILL BE SHOWN AT THE FINAL PLAN STAGE. 5. ONE SHADE TREE IS REQUIRED PER SFA UNIT (12 SHADE TREES) AND WILL BE SHOWN AT THE SDP STAGE.

WILL BE DONE AT THE FINAL PLAN STAGE AND FENCE WILL BE BONDED WITH DEVELOPERS AGREEMENT LANDSCAPING IS REQUIRED ALONG THE REAR OF TOWNHOUSE LOTS (TO BE SHOWN AND BONDED AT THE

SDP STAGE) AND THE WATER SURFACE AREA WITHIN THE POND HAS BEEN MAXIMIZED. 7. FOR THE SWM PERIMETER LANDSCAPING SMALL DECIDUOUS OR EVERGREEN TREES MAY BE SUBSTITUTED FOR SHADE TREES AT A 2:1 RATIO FOR A MAXIMUM OF 50% OF THE REQUIRED SHADE TREES. SHRUBS MAY BE SUBSTITUTED FOR SHADE TREES AT A RATIO OF 10:1 FOR A MAXIMUM OF 25% OF THE REQUIRED SHADE

SCHEDULE D SWM PERIMETER LANDSCAPING

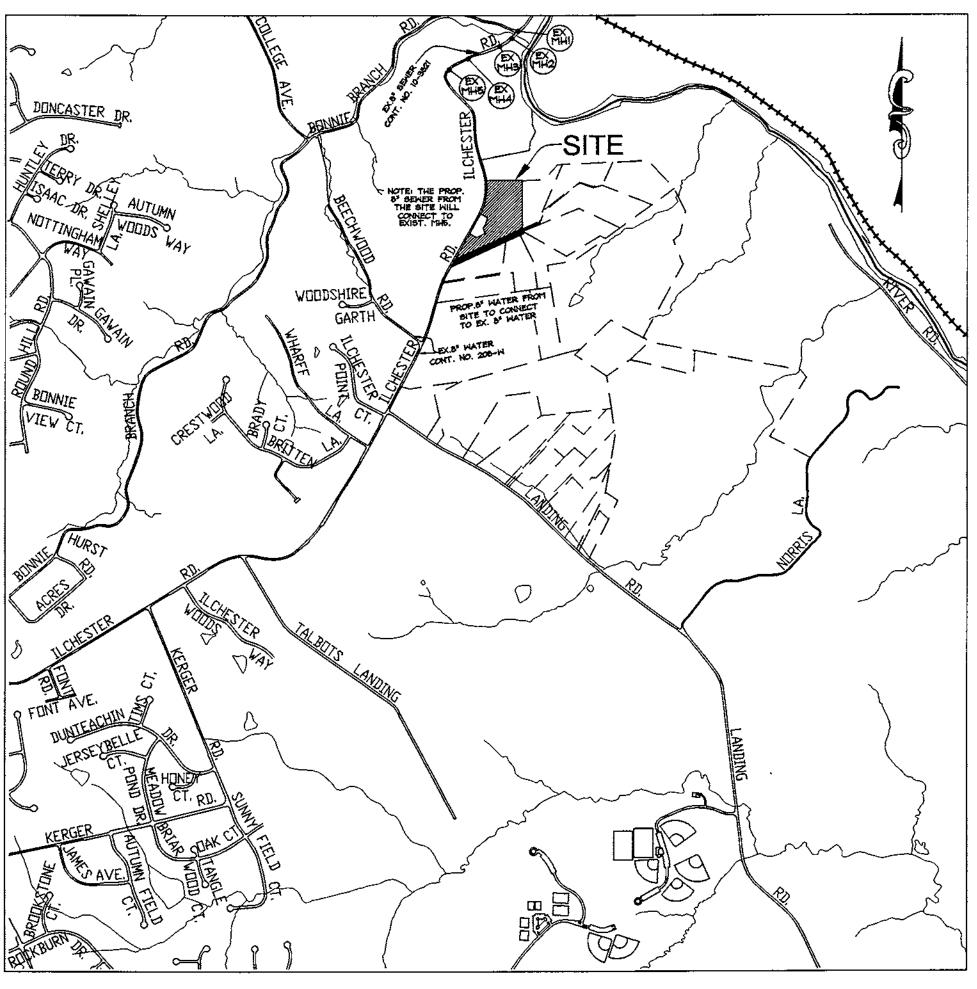
CATEGORY	ADJACENT TO SWM FACILITY
PERIMETER LANDSCAPE	8
LANDSCAPE TYPE	В
LINEAR FEET	12361
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET)	NO
NO. OF PLANTS REQ'D. SHADE TREES	1:50 - 25
EVERGREEN TREES	1:40 - 31
SHRUBS	0

PRELIMINARY PLAN FOR

ILCHESTER HILLS

ZONING "R-ED"

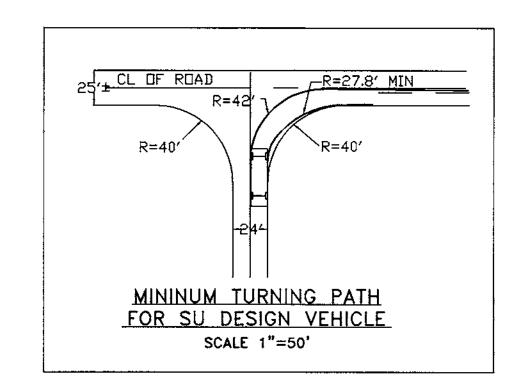
TAX MAP No. 31 PARCEL: 419 GRID: 5 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND



VICINITY MAP SCALE: [1 = 12001

GENERAL NOTES

- I. SUBJECT PROPERTY ZONED "R-ED" PER
- 9/18/92 COMPREHENSIVE ZONING PLAN. 2. THE PROPERTY IS LOCATED WITHIN THE METROPOLITAN WATER AND SEWER DISTRICT, PUBLIC WATER AND SEWER ARE TO BE UTILIZED. SEWER CONTRACT NO. 10-3821 AND WATER CONTRACT NO. 208-W (WATERSHED NO. 814-003-7150), BOTH IN THE PATAPSCO DRAINAGE AREA, ARE TO BE UTILIZED.
- 3. SOILS MAP No. 20 € 21. 4. GROSS AREA OF SITE: 9.33 ac.±(0.76 ac. STEEP SLOPES AND 8.57 ac. NET)
- 5. NET AREA OF SITE: 8.57 ac. ± 6. DENSITY CALCULATIONS:
 - a) NUMBER OF UNITS ALLOWED:
 - $8.57 \ ac. \ x \ 2 = 17 \ UNITS$ b) NUMBER OF UNITS PROPOSED: IT UNITS
- 7. OPEN SPACE REQUIREMENTS: a) OPEN SPACE REQUIRED (25%):
 - $9.33 \text{ ac. } \times 0.25 = 2.33 \text{ ac.}$
 - b) OPEN SPACE PROVIDED: 5.26 ac. ±
- 8. AREA OF PROPOSED BUILDABLE LOTS: 2.68 ac.± 9. AREA OF PROPOSED PUBLIC RIGHT OF WAY: 1.39 ac. ±
- 10. TOPOGRAPHY IS BASED ON A FIELD RUN SURVEY PREPARED BY
- JOHN C. MELLEMA SR. INC. IN OCTOBER, 2000.
- II. WETLANDS DELINEATION AND FOREST STAND DELINEATION PREPARED BY EXPLORATION RESEARCH INC.
- 12. PREVIOUS HOWARD COUNTY FILE NUMBER S-01-13 APPROVED ON 3-5-02
- 13. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED. THE FOLLOWING WAIVERS HAVE BEEN APPROVED: A DESIGN MANUAL WAIVER APPROVED ON 8-20-01 TO ALLOW LESS THAN THE MINIMUM REQUIRED INTERSECTION SIGHT DISTANCE, AND WAIVER WP-02-12 APPROVED ON 11-20-01 TO ALLOW GRADING AND REMOVAL OF VEGETATION WITHIN WETLANDS AND BUFFER FOR THE PURPOSE OF UPGRADING THE EXISTING POND TO MEET MD-378 FOR A SWM FACILITY. WAIVER WP-02-12 IS SUBJECT TO THE FOLLOWING CONDITIONS:
 - a.) COMPLIANCE WITH DED REQUIREMENTS WHICH ARE, APPROVAL OF A FEDERAL AND STATE PERMIT, APPROVAL OF AN ACCEPTABLE SWM DESIGN AND APPROVAL OF AN ADEQUATE WETLAND MITIGATION
 - b.) A SWM DESIGN WHICH MINIMIZES BUFFER INTRUSION WHICH IS
 - ACCEPTABLE TO DED. c.) OBTAIN ALL FEDERAL AND STATE PERMITS.
 - d.) COMPLIANCE WITH HOWARD SOIL CONSERVATION DISTRICT COMMENT
 - TO MITIGATE THE LOST/DISTURBED WETLANDS AT A 1:1 RATIO WITHIN THE POND.
- 14. THE NONTIDAL WETLANDS AND WATERWAYS DIVISION OF THE WATER MGM'T ADMIN. (WMA) INTENDS TO ISSUE A NONTIDAL WETLANDS AND WATERWAYS
 LETTER OF AUTHORIZATION (LOA) AFTER IT RECEIVES TWO SETS OF THE FINAL
 CONSTRUCTION PLANS WHICH HAVE THE LIMITS OF ANY NONTIDAL WETLANDS,
 NONTIDAL WETLAND BUFFERS, WATERS OF THE STATE (INCLUDING 100 YR. F.P.),
 LIMITS OF DISTURBANCE, "BEST MANAGEMENT PRACTICES FOR WORKING IN
 NONTIDAL WETLANDS", A SEQUENCE OF CONSTRUCTION AND APPROVED EROSION
 AND S.C. PLANS. MDE PERMIT TRACKING No. 01-NT-0418/200166295.
- 15. SWM WILL BE ACHIEVED THROUGH THE USE OF THE PROPOSED MICRO-POOL EXTENDED DETENTION FACILITY, THE POND WILL BE PUBLICLY OWNED WITH JOINT MAINTENANCE BY H.O.A. AND HOWARD COUNTY.
- 16. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM, HOWARD CO. MONUMENT NOS, 31E6 AND BIE7 WERE USED FOR THIS PROJECT.
- 17. THERE ARE NO FLOODPLAINS, HISTORIC STRUCTURES OR CEMETERIES ON-SITE. 18. THIS PLAN IS SUBJECT TO COMPLIANCE WITH THE FOURTH EDITION OF THE HOWARD COUNTY SUBDIVISION REGULATIONS AND THE RECENTLY AMENDED
- ZONING REGULATIONS, COUNCIL BILL 50-2001. 19. FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND
- ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY LINE AND NOT TO THE PIPESTEM LOT DRIVEWAY.
- 20. THE GEOTECHNICAL REPORT FOR THIS PROJECT WAS PREPARED BY HERBST BENSON AND ASSOCIATES DATED JUNE, 2002.
- 21. STREET TREES TO BE PROVIDED ALONG BOTH SIDES OF JEANS WAY WILL BE SHOWN AT THE FINAL PLAN STAGE.
- 22. LANDSCAPING WILL BE THE RESPONSIBILITY OF THE DEVELOPER AT THE FINAL PLAN STAGE.
- 23. ON JANUARY 23, 2002 THE SUJECT PROPERTY WAS APPROVED BY HOWARD COUNTY PLANNING BOARD, CASE No. 357, SUBJECT TO THE FOLLOWING:
 - a.) PROVIDING FENCING ALONG THE ENTRY ROAD'S PRIMERY 7. b.) PROVIDING ADDITIONAL LANDSCAPING ALONG THE REAR OF THE
 - TOWNHOUSE LOTS.
 - c.) MAXIMIZE THE WATER SURFACE ON THE FUTURE STORMWATER MANAGEMENT POND.
- 24. TENATIVE ALLOCATIONS FOR 16 HOUSING UNITS WERE GRANTED ON 7-2-02.
- 25. IN ACCORDANCE WITH THE GEOTECNICAL SUBSURFACE INVESTIGATION, THE EXISTING EMBANKMENT IS CONSTRUCTED OF MATERIAL NOT SUITABLE TO MEET CURRENT MD 378 STANDARDS, THEREFORE THE EXISTING EMBANKMENT SHALL BE REMOVED AND RECONSTRUCTED.



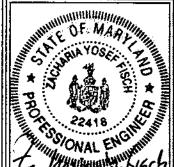
TENTATIVELY APPROVED DEPT. OF PLANNING AND ZONING OF **HOWARD COUNTY**

PLANNING DIRECTOR

COVER SHEET

ILCHESTER HILLS

(Previous File Nos.: Sketch S-01-13 and Waiver WP-02-12) BA 357 TAX MAP 31 GRID 5 PARCEL 419 ist ELECTION DISTRICT HOWARD COUNTY, MARYLAND



Engineers Planners Surveyors

8318 Forrest Street Ellicott City, MD 21043 Tel:410-750-2251 Fax: 410-750-7350 E-mail: FSHAssociates@cs.com

CHECKED BY: ZYF SCALE: As Shown DATE: Dec. 18, 2002 W.O. No.: 3015 SHEET No. 1 OF 5

DESIGN BY: MLT DRAWN BY: MLT

OWNER/DEVELOPER

HODGE PROPERTY, LLC DENNIS A. & JUNG D. HODGE 4625 ILCHESTER ROAD ELLICOTT CITY, MD 21043-6819

FSH Associates

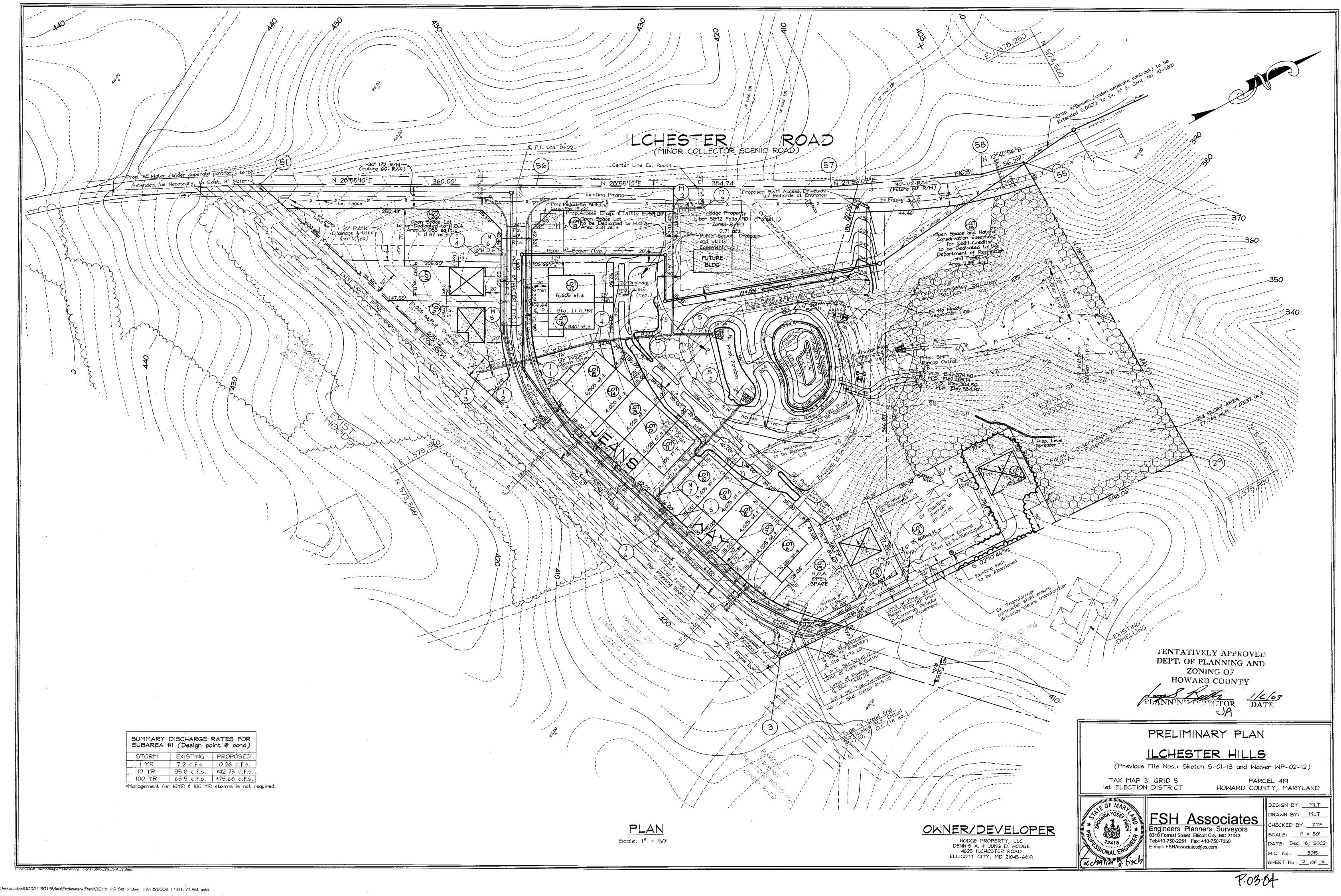
M:\HODGE 30!5\dwg\Preliminary Plans\30!5_2F_5ht_I.dwg

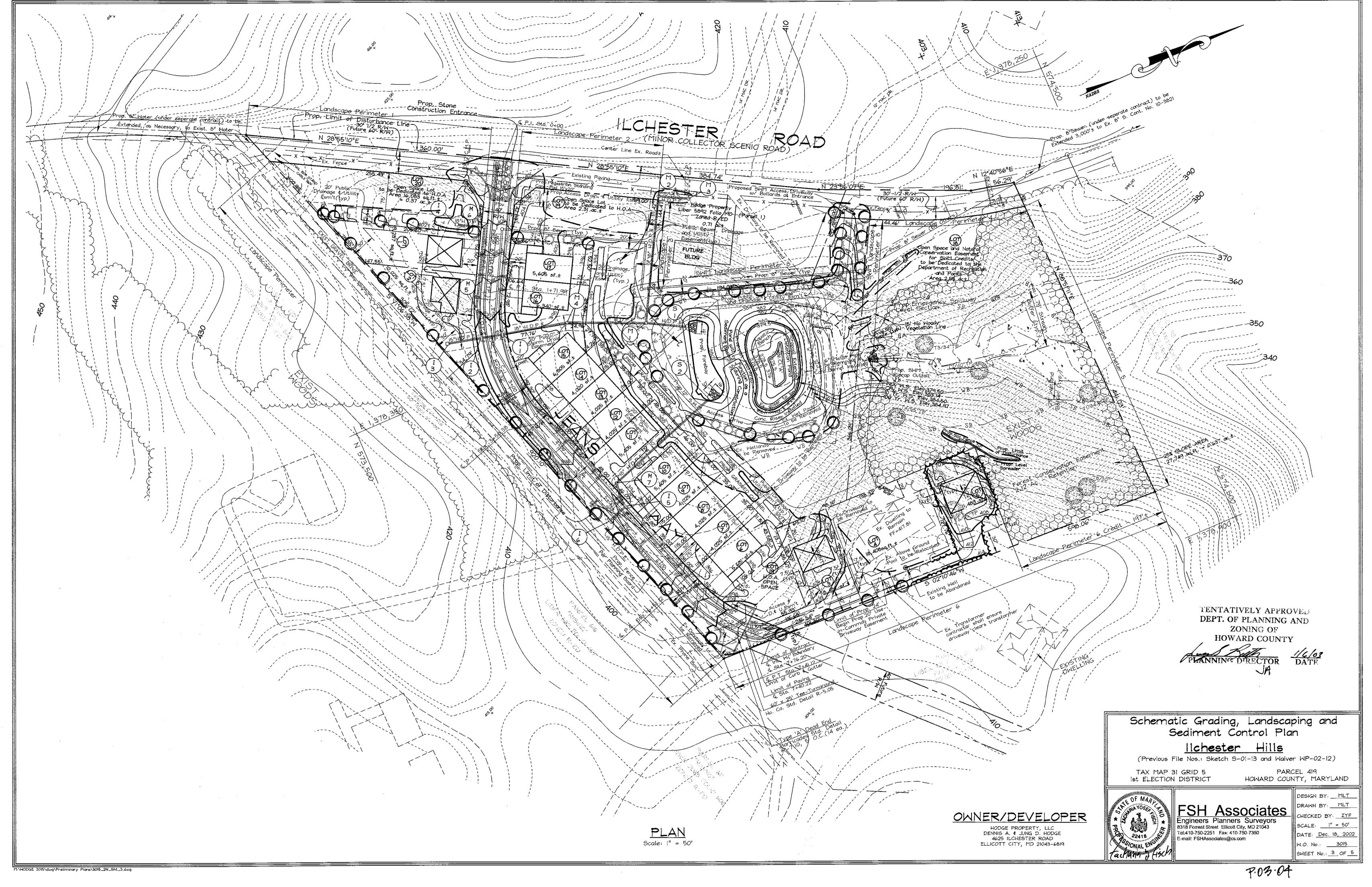
Engineers Planners Surveyors

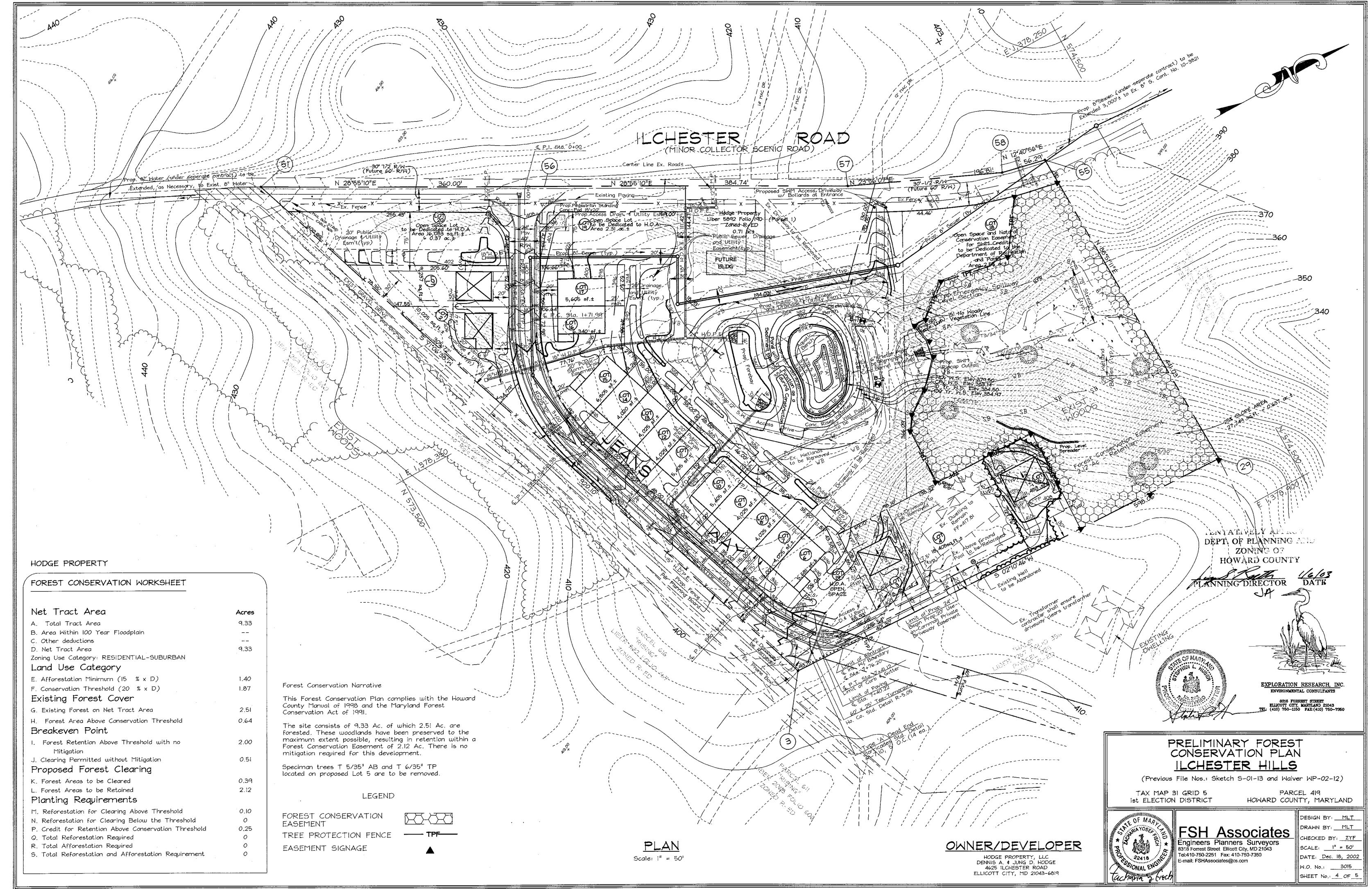
8318 Forrest Street Ellicott City, MD 21043

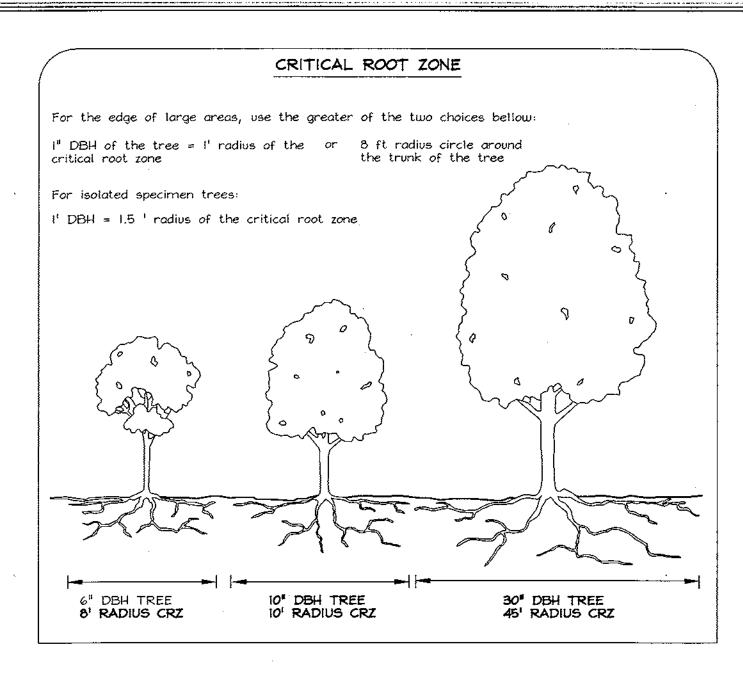
Tel:410-750-2251 Fax: 410-750-7350

E-mail: FSHAssociates@cs.com





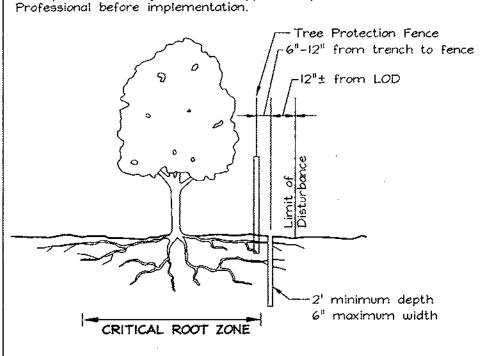




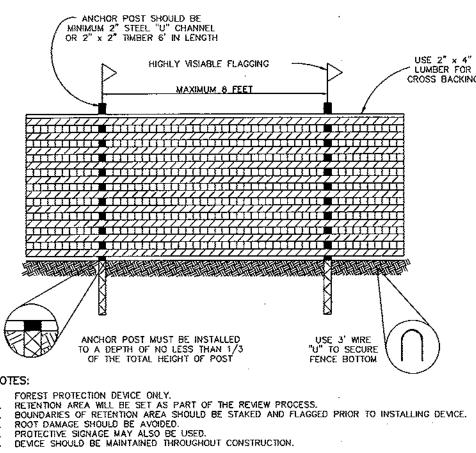
ROOT PRUNING

. Retention areas shall be set prior to construction 2. Boundaries of retention areas shall be flagged, and location of trench shall be specified by ERI Qualified Professional. 3. Roots shall be cut cleanly with root pruning equipment. Where roots >1" are found, trenching shall be done by air spade or hand tools. Roots >1" shall be cut with a hand saw. 4. Trench shall be immediately backfilled with soil removed or high

organic content soil. 5. Any other techniques shall be approved by the ERI Qualified



BLAZE ORANGE PLASTIC MESH



Soil Protection Zone Notes

1. The Soil Protection Zone shall include all areas contained inside the Limit of Disturbance.

2. Where possible, the Soil Protection Zone shall extend to the drip line of specimen trees. For other groups of trees, the zone shall be the drip line or 40% of the height of the tree, whichever is greater. 3. No construction activity is permitted within the Soil Protection Zone.

4. If soil has been compacted or grading has taken place in the vicinity of the Soil Protection Zone, root pruning shall be implemented per Root Pruning detail, shown on this plan. 5. Root pruning shall occur prior to the

beginning of construction. 6. Where the Soil Protection Zone must encroach inside the Critical Root Zone of a tree, soil disturbance shall be mitigated with vertical mulching, radial trenching, or another method approved by the ERI Forest Conservation Professional.

7. Prior to contruction, the Limits of Disturbance shall be marked and the ERI Professional shall determine which trees will need preventative treatment or removal.

8. Tree maintenance and removal shall be undertaken by a qualified MD Tree Expert to ensure damage to surrounding trees is minimized.

19. Brush and limbs removed for construction shall be chipped and spread at the edge of the Soil Protection Zone to a depth of 6 inches. This shall occur outside the Soil Protection Zone where compaction could impact otherwise unprotected Critical Root Zone.

MANAGEMENT NOTES FOR FOREST RETENTION AREAS

1. All proposed activities shall adhere to the conditions, schedules and terms of an approved sediment control and erosion plan.

2. After the boundaries of the retention area have been staked and flagged and before any disturbance has taken place on-site, a preconstruction meeting at the construction site shall take place. The developer, contractor or project manager, and appropriate County inspectors shall attend.

3. Tree protection for all retained areas:

a. All retention areas within 50 feet of proposed construction activities shall be protected by highly visible, well anchored temporary protection devices (silt fence or blaze orange plastic mesh).

b. All protection devices shall be in place prior to any grading or land clearing.

c. All protection devices shall be properly maintained and shall remain in place until construction has ceased.

d. Attachment of signs, fencing or other objects to trees is prohibited.

e. No equipment, machinery, vehicles, materials or excessive pedestrian traffic shall be allowed within protected areas.

4. If the critical root zone (see detail) is affected by construction activities such as grade change, digging for foundations and roads or utility installation:

a. Prune roots with a clean cut using proper pruning equipment (see root pruning detail)

b. Water and fertilize as needed.

5. During construction phase, monitor and correct condition of retained trees for: soil compaction, root injury, flood conditions, drought conditions and other stress signs.

6. Post-Construction Phase

a. Inspect existing trees around the perimeter of disturbed limits for evidence of soil compaction, root injury, limb injury, or other stress signs and correct with proper management techniques limb pruning, soil aeration, fertilization, such as root or crown reduction or watering. Inspection and evaluation shall be performed by a licensed arborist.

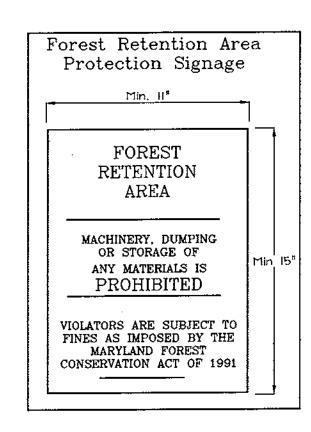
b. Inspect for dead or dying trees or limbs which may pose safety hazard and remove.

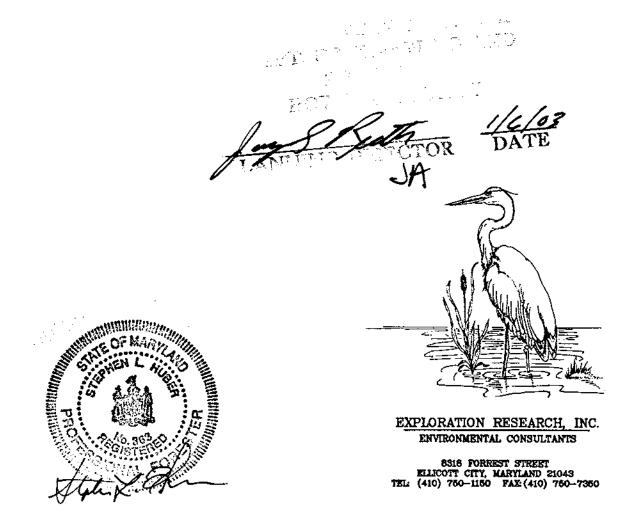
c. No burial of discarded materials will occur onsite within the conservation areas.

d. No burning within 100 feet of wooded area.

e. All temporary forest protection structures will be removed after construction.

f. Following completion of construction, prior to use, the County inspector shall inspect the entire area.





PRELIMINARY FOREST CONSERVATION PLAN ILCHESTER HILLS

(Previous File Nos.: Sketch S-01-13 and Waiver WP-02-12)

TAX MAP 31 GRID 5

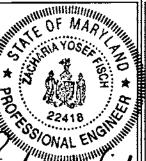
1st ELECTION DISTRICT

PARCEL 419

HOWARD COUNTY, MARYLAND

DRAWN BY: ___MLT_

SHEET No.: 5 OF 5



DESIGN BY: MLT ★ I Engineers Planners Surveyors SCALE: 1" = 50' 8318 Forrest Street Ellicott City, MD 21043 Tel:410-750-2251 Fax: 410-750-7350 DATE: Dec. 18, 2002 E-mail: FSHAssociates@cs.com W.O. No.: 3015

OWNER/DEVELOPER

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