

LAYOUT 10/1/03 2:30pm INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 9/22/03
APPROVAL DATE: 10/6/03

PERMIT

P 579585
A 45096

ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

J Joseph Gartland, Inc IS PERMITTED TO INSTALL ALTER
ADDRESS: 1835 West Old Liberty Rd, 21157 PHONE NUMBER: 410-875-2400
SUBDIVISION: Kefauver Property LOT NUMBER: 3
ADDRESS: 8517 Old Frederick Road PROPERTY OWNER: Carrigan Homes
SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED
PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED
NUMBER OF BEDROOMS: 4
SQUARE FEET PER BEDROOM: 180
LINEAR FEET OF TRENCH REQUIRED: 240

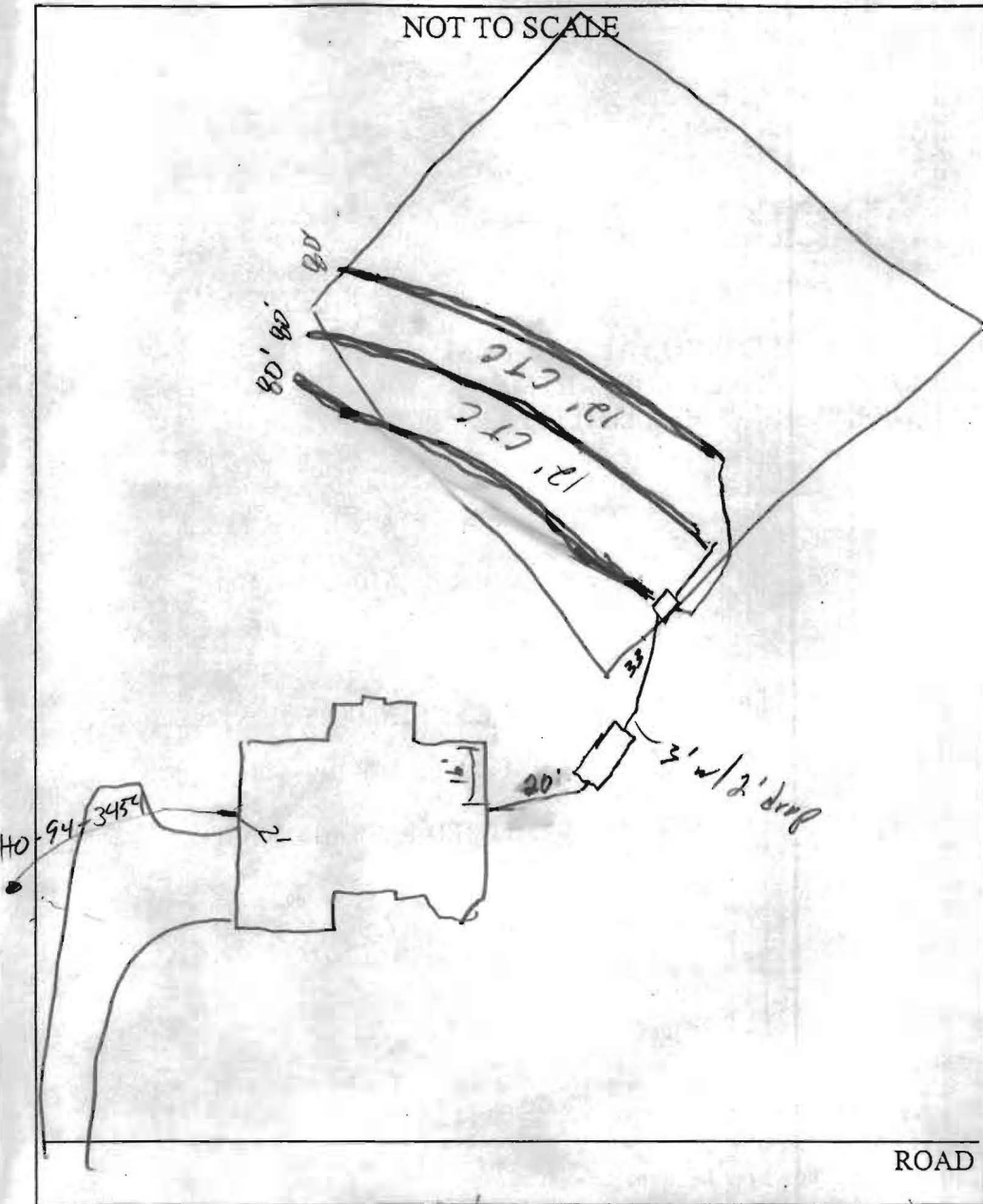
TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place distribution box as shown on the plan.
NOTES:	Install 3 trenches, 80' long with 9' edge-to-edge separation.

PLANS APPROVED: John Boris  DATE: 4/3/2003

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720 sq
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input type="checkbox"/>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	6"
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input type="checkbox"/>
MANHOLE LOC	<input type="checkbox"/>
6" PORT LOC	<input type="checkbox"/>
WATERTIGHT TEST	<input checked="" type="checkbox"/>
SEPTIC TANK 2 LEVEL	<input type="checkbox"/>
CAPACITY	<input type="checkbox"/> GAL
SEAM LOC	<input type="checkbox"/>
TANK LID DEPTH	<input type="checkbox"/>
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input type="checkbox"/>
MANHOLE LOC	<input type="checkbox"/>
6" PORT LOC	<input type="checkbox"/>
WATERTIGHT TEST	<input type="checkbox"/>

PRE-CONSTRUCTION 10/1/03 - SRA stated, contours accurate.

Install per B.P. (SO)

INSTALLATION 10/2/03 - 2.5 trenches installed (SO)

10/6/03 OK to cover all work (RB/SO)

FINAL INSPECTOR Ken J Bell

DATE OF APPROVAL 10/6/03

KEFAUVER PROPERTY
OLD FREDERICK R.D.

A 45096

SUBDIVISION:

LOT NUMBER: 3

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

180 sq. ft./bedroom

Trench to be 3 wide.

Inlet 3 feet below original grade.

Bottom maximum depth 5 feet below original grade.

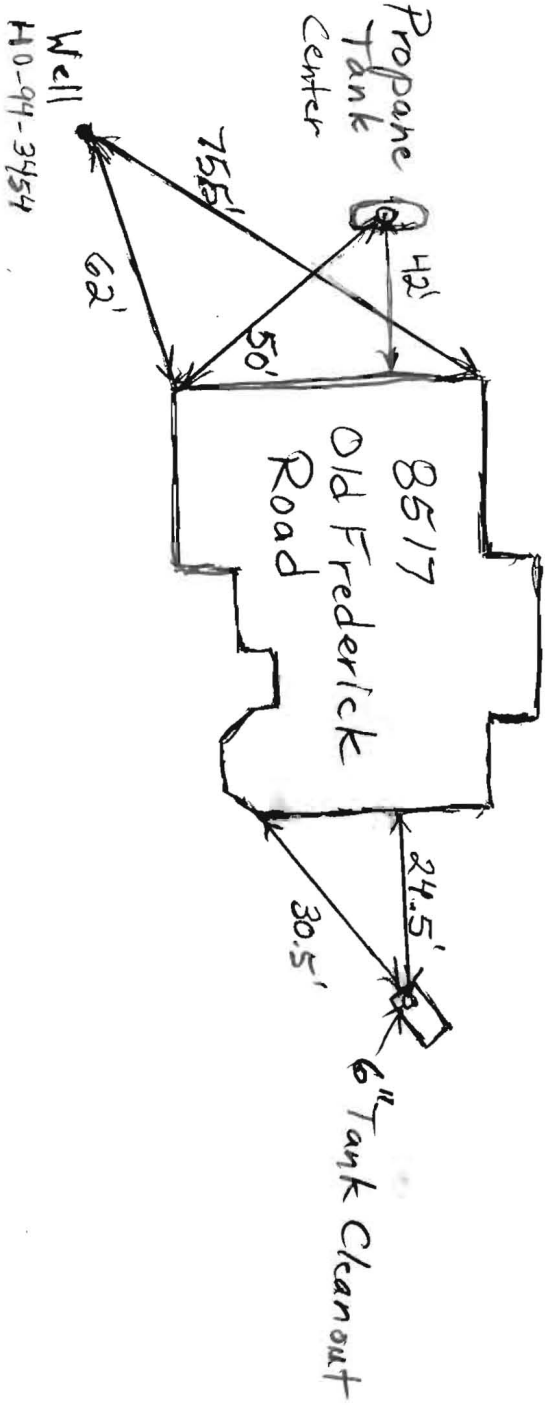
Effective area begins at 3 feet below original grade.

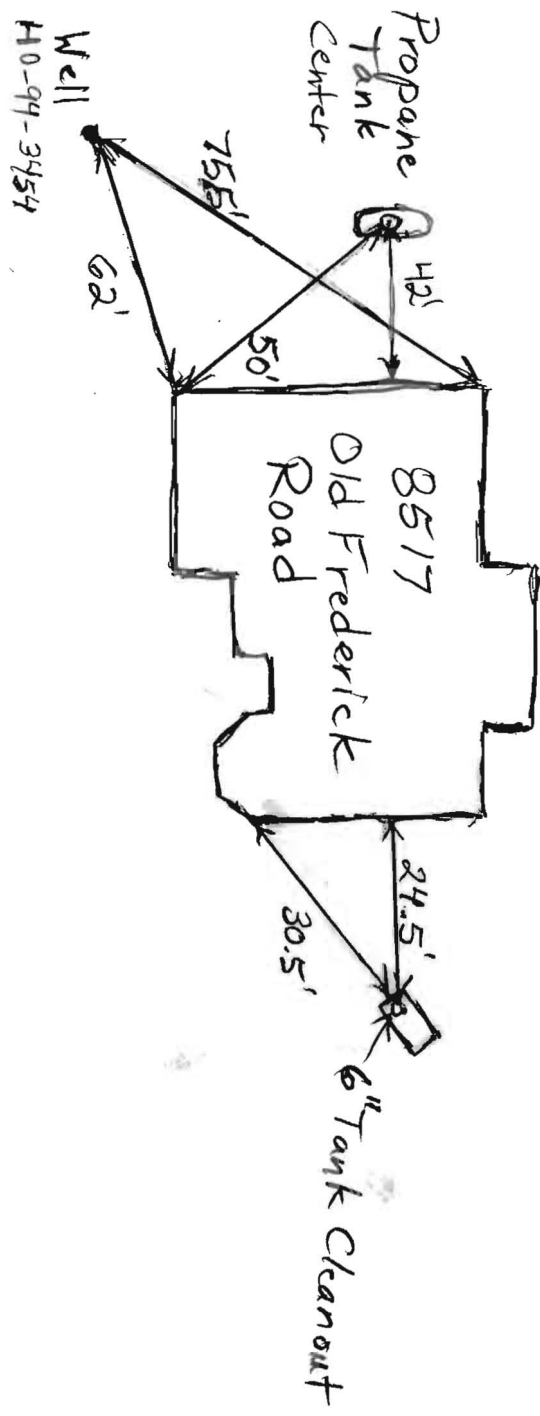
2 feet of stone below distribution pipe.

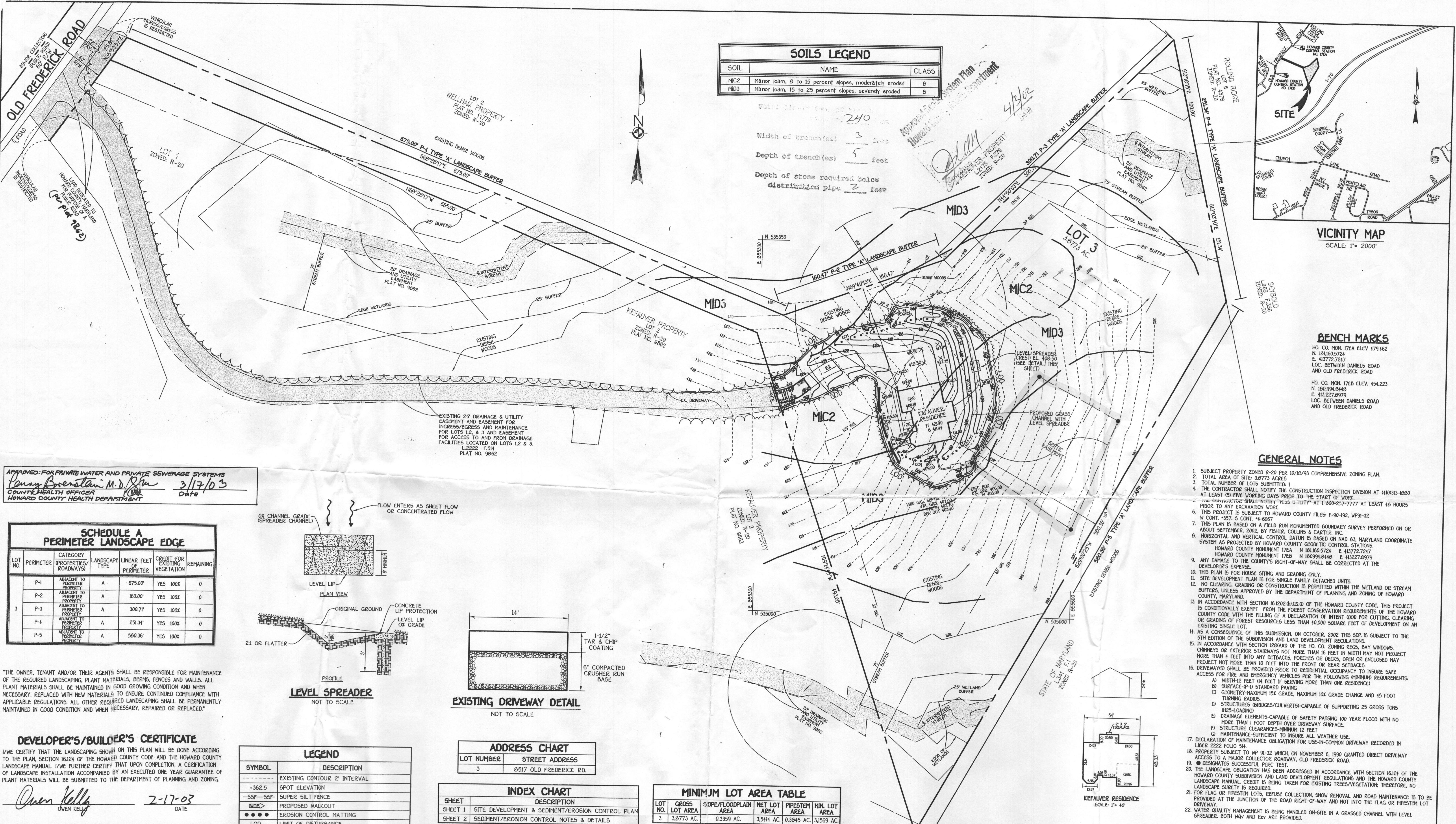
- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: PLACE THE DISTRIBUTION BOX AT THE
MID-POINT OF THE HIGHEST EDGES OF THE PLATTED
SEWAGE DISPOSAL EASEMENT. THIS POINT IS APPROXIMATELY
125' FROM THE REAR LOT LINE AND 200' FROM THE
CLOSEST POINT OF THE RIGHT LOT LINE. RUN TRENCHES
ALONG CONTOUR IN BOTH DIRECTIONS.

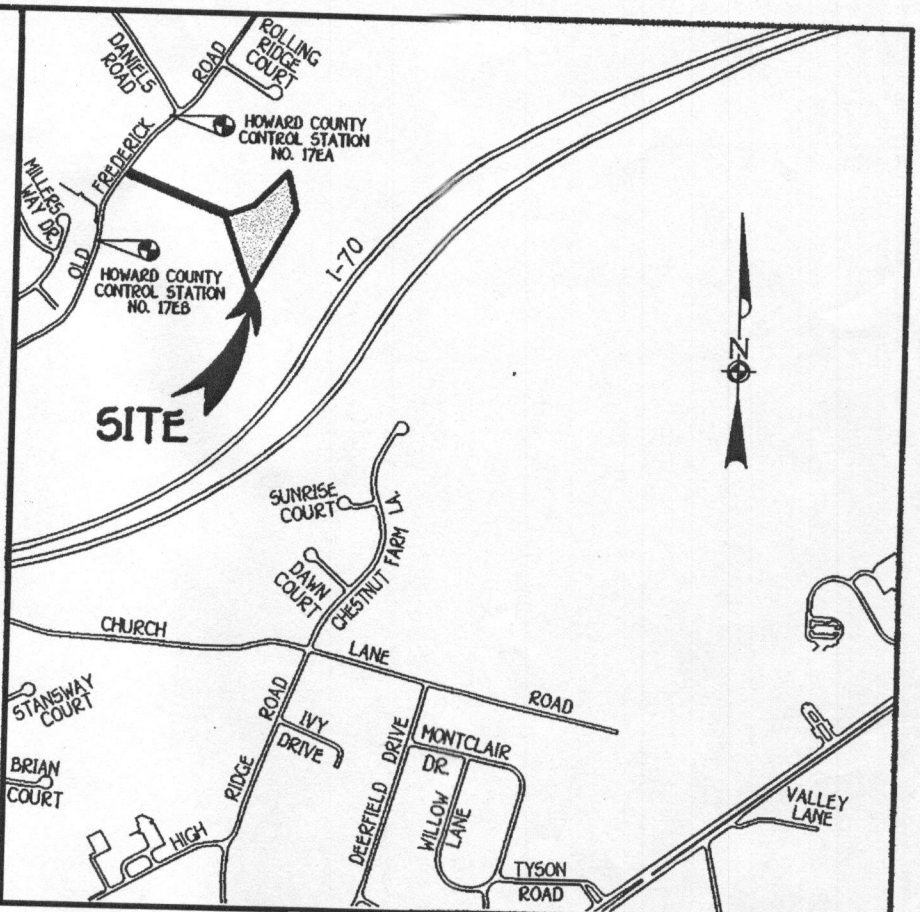
10/16/92 CWL/ha







SOIL	NAME	CLASS
MIC2	Major loam, 8 to 15 percent slopes, moderately eroded	B
MID3	Major loam, 15 to 25 percent slopes, severely eroded	B



VICINITY MAP
SCALE: 1" = 2000'

BENCH MARKS
 HO. CO. MON. 17EA ELEV. 479.462
 N. 181360.5724
 E. 413772.7247
 LOC. BETWEEN DANIELS ROAD
 AND OLD FREDERICK ROAD
 HO. CO. MON. 17EB ELEV. 454.223
 N. 180994.9448
 E. 413227.8979
 LOC. BETWEEN DANIELS ROAD
 AND OLD FREDERICK ROAD

GENERAL NOTES

- SUBJECT PROPERTY ZONED R-20 PER 10/18/93 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF SITE: 3.8773 ACRES.
- TOTAL NUMBER OF LOTS SUBMITTED: 1
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410)313-1860 AT LEAST 48 HOURS PRIOR TO THE START OF WORK.
- THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: F-90-192, WP91-32
- THIS PLAN IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT SEPTEMBER, 2002, BY FISHER, COLLINS & CARTER, INC.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON NAD 83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS.
- HOWARD COUNTY MONUMENT 17EA - N 181360.5724 E 413772.7247
- HOWARD COUNTY MONUMENT 17EB - N 180994.9448 E 413227.8979
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THIS PLAN IS FOR HOUSE SITING AND GRADING ONLY.
- SITE DEVELOPMENT PLAN IS FOR SINGLE FAMILY DETACHED UNITS.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE WETLAND OR STREAM BUFFERS, UNLESS APPROVED BY THE DEPARTMENT OF PLANNING AND ZONING OF HOWARD COUNTY, MARYLAND.
- IN ACCORDANCE WITH SECTION 16.1202.61(2)(i) OF THE HOWARD COUNTY CODE, THIS PROJECT IS CONDITIONALLY EXEMPT FROM THE FOREST CONSERVATION REQUIREMENTS OF THE HOWARD COUNTY CODE WITH THE FILING OF A DECLARATION OF INTENT GOOD FOR CUTTING, CLEARING OR GRADING OF FOREST RESOURCES LESS THAN 40,000 SQUARE FEET OF DEVELOPMENT ON AN EXISTING SINGLE LOT.
- AS A CONSEQUENCE OF THIS SUBMISSION, ON OCTOBER, 2002 THIS SDP IS SUBJECT TO THE 5TH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- IN ACCORDANCE WITH SECTION 122404 OF THE HO. CO. ZONING REGS., BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY NOT PROJECT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR SETBACKS.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO THE FRONTAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH-12 FEET (4 FEET IF SERVING MORE THAN ONE RESIDENCE)
 - SURFACE-4" MINIMUM STANDARD PAVING
 - GEOMETRY-MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND 45 FOOT TURNING RADIUS
 - STRUCTURES-UNBIDGES/CULVERTS-CAPABLE OF SUPPORTING 25 GROSS TONS (425-LOADING)
 - DRAINAGE-ELEMENTS-CAPABLE OF SAFETY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE
 - STRUCTURE CLEARANCES-MINIMUM 12 FEET
 - MAINTENANCE-SUFFICIENT TO INSURE ALL WEATHER USE
- DECLARATION OF MAINTENANCE OBLIGATION FOR USE-IN-COMMON DRIVEWAY RECORDED IN LIBER 2222 FOLIO 514.
- PROPERTY SUBJECT TO WP 91-32 WHICH, ON NOVEMBER 6, 1990 GRANTED DIRECT DRIVEWAY ACCESS TO A MAJOR COLLECTOR ROADWAY, OLD FREDERICK ROAD.
- DESIGNATES SUCCESSFUL PERC TEST.
- THE LANDSCAPE OBLIGATION HAS BEEN ADDRESSED IN ACCORDANCE WITH SECTION 16.024 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY LANDSCAPE MANUAL. CREDIT IS BEING TAKEN FOR EXISTING TREES/VEGETATION; THEREFORE, NO LANDSCAPE SURVEY IS REQUIRED.
- FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE IS TO BE PROVIDED AT THE JUNCTION OF THE ROAD RIGHT-OF-WAY AND NOT INTO THE FLAG OR PIPESTEM LOT DRIVEWAY.
- WATER QUALITY MANAGEMENT IS BEING HANDLED ON-SITE IN A GRASSY CHANNEL WITH LEVEL SPREADER. BOTH WAY AND REV ARE PROVIDED.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 Penny Brenstein, M.D., RPH
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT
 3/17/03
 Date

SCHEDULE A PERIMETER LANDSCAPE EDGE						
LOT NO.	PERIMETER	CATEGORY (PROPERTIES/ROADWAYS)	LANDSCAPE TYPE	LINEAR FEET OF PERIMETER	CREDIT FOR EXISTING VEGETATION	REMAINING
3	P-1	ADJACENT TO PERIMETER PROPERTY	A	675.00'	YES 100%	0
	P-2	ADJACENT TO PERIMETER PROPERTY	A	160.00'	YES 100%	0
	P-3	ADJACENT TO PERIMETER PROPERTY	A	300.71'	YES 100%	0
	P-4	ADJACENT TO PERIMETER PROPERTY	A	251.34'	YES 100%	0
	P-5	ADJACENT TO PERIMETER PROPERTY	A	580.36'	YES 100%	0

THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, PLANT MATERIALS, BURNS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION AND WHEN NECESSARY, REPAIRED OR REPLACED.

DEVELOPER'S/BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.024 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A CERTIFICATION OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Owen Kelly
 OWEN KELLY
 2-17-03
 DATE

LEGEND	
---	EXISTING CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
-55'--55'	SUPER SILT FENCE
---	PROPOSED WALKOUT
●●●●	EROSION CONTROL MATTING
LOD	LIMIT OF DISTURBANCE

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
3	8517 OLD FREDERICK RD.

INDEX CHART	
SHEET	DESCRIPTION
SHEET 1	SITE DEVELOPMENT & SEDIMENT/EROSION CONTROL PLAN
SHEET 2	SEDIMENT/EROSION CONTROL NOTES & DETAILS

MINIMUM LOT AREA TABLE				
LOT NO.	GROSS LOT AREA	9% SLOPE/FLOODPLAIN AREA	NET LOT AREA	MIN. LOT AREA
3	3,877.3 AC.	0.3359 AC.	3,541 AC.	0.3845 AC. 3,156.9 AC.

ENGINEER'S CERTIFICATE

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer: EARL D. COLLINS
 Date: 2-17-03

BUILDER/DEVELOPER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan, for sediment and erosion control and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer: OWEN KELLY
 Date: 2-17-03

APPROVED FOR HOWARD SCD and meets Technical Requirements.
 Jim Myers 2/20/03
 John Aldredge 2/26/03

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chief, Department of Planning and Zoning
 Director - Department of Planning and Zoning

PROJECT	SECTION	LOT NO.
KEFAUVER PROPERTY	N/A	3
PLAT	BLOCK NO.	ZONE
9862	7	R-20
TAX/ZONE	ELEC. DIST.	CENSUS TR.
1B	SECOND	6021.00
PRIVATE WATER	PRIVATE SEWER	
N/A	N/A	

SITE DEVELOPMENT SEDIMENT/EROSION CONTROL PLAN

SINGLE FAMILY DETACHED KEFAUVER PROPERTY LOT 3

TAX MAP No: 1B PARCEL: 371
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40' DATE: OCTOBER, 2002
 SHEET 1 OF 2

DESIGN	DRAFT	CHECK	NO.	REVISION	DATE
BL	BP	JME			

