

LAYOUT 9/21/06 INSP 4 \_\_\_\_\_  
INSP 2 9/25/06 INSP 5 \_\_\_\_\_  
INSP 3 9/25/06 INSP 6 \_\_\_\_\_

ISSUE DATE: 7/26/2006

P 525183

APPROVAL DATE: 9/25/06

A 522919

# PERMIT

TAX ID #04-323386

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

Bruce Kendall IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 210 Mason Dr., Rockville 20850 PHONE NUMBER: 301-674-3687

SUBDIVISION: \_\_\_\_\_ LOT NUMBER: \_\_\_\_\_

ADDRESS: 3673 Sharp Road PROPERTY OWNER: Bruce Kendall

SEPTIC TANK CAPACITY (GALLONS): 1000 OUTLET BAFFLE FILTER REQUIRED ☐

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ COMPARTMENTED TANK REQUIRED ☒

NUMBER OF BEDROOMS: 3 1500 2 comp

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 130 HOUSE SERVED BY PUBLIC WATER ☐

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest elevation in the approved SDA. <i>Revised Plan - hence invert raised</i>
NOTES:	<i>Call for Layout Inspection - Critical</i> Septic easement must be staked prior to layout.

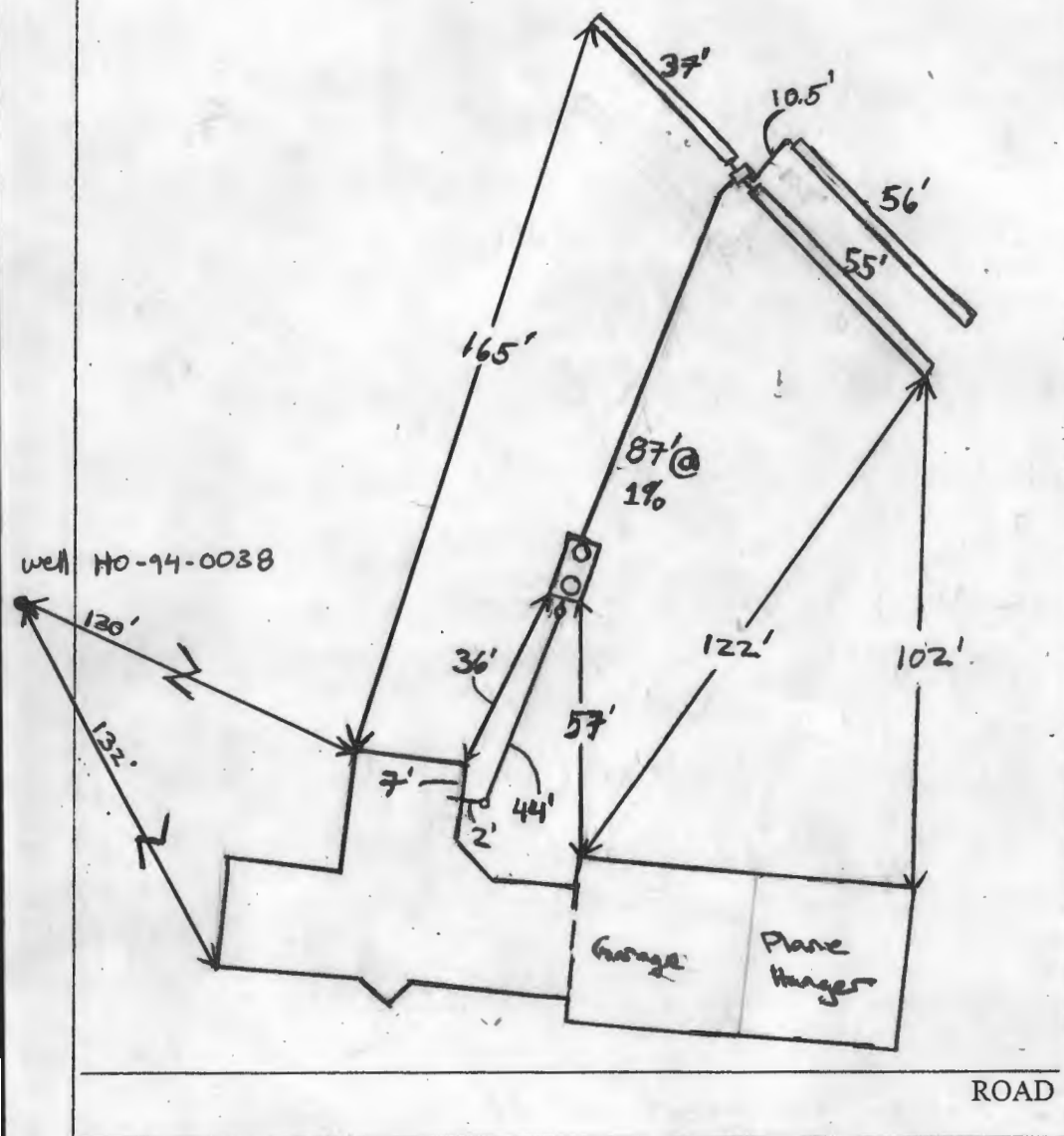
PLANS APPROVED: Peter Yencsik/sf Reviewed by: \_\_\_\_\_ DATE: 9/6/05

NOTES: PERMIT VOID AFTER 2 YEARS

CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**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  
ALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	6'
NUMBER OF TRENCHES		
3		
TOTAL LENGTH		
148.5		
ABSORPTION AREA		
44.5 + 562		
DISTRIBUTION BOX LEVEL		
Yes		
DISTRIBUTION BOX BAFFLE		
Yes		
DISTRIBUTION BOX PORT		
No		

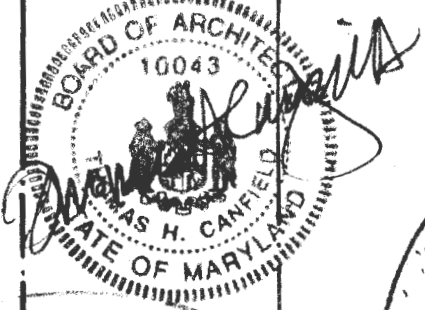
SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL		
Level		
CAPACITY		
1500 GAL		
SEAM/LOC		
Top		
TANK LID DEPTH		
.5'-1'		
BAFFLES		
Yes		
BAFFLE FILTER		
NA		
MANHOLE LOC		
Rear / Front		
6" PORT LOC		
None		
WATERTIGHT TEST		
NA		
SEPTIC TANK 2 LEVEL		
CAPACITY		
GAL		
SEAM LOC		
TANK LID DEPTH		
BAFFLES		
BAFFLE FILTER		
MANHOLE LOC		
6" PORT LOC		
WATERTIGHT TEST		

PRE-CONSTRUCTION 9/21/06 Contractor that appropriate elevations for  
 inserts on house and septic tank. Will have enough fall for  
 INSTALLATION gravity system. Set tank closer to house. D box at  
 top middle of SPA Run two 50' trenches on contour towards  
 house. One 30' trench on contour away from house (KW)  
 9/25/06 System installed O.K. Has 1% fall to D box.  
 Three trenches installed on contour w/ 6' bottom. Water  
 line runs approx. 1 ft under septic line. Water line  
 is sleeved 20 ft before septic line and all the way  
 to house. OK to back fill (KW)  
 FINAL INSPECTOR J. W. Nally DATE OF APPROVAL 9/20/06

(TO SHARP ROAD)

ACCESS DRIVE TO SHARP ROAD

50'-0" EASEMENT



R.O.W. LINE

Intersecting Septic Tank

AREA DESIGNATED FOR SEPTIC SYSTEM

⊕ EL + 650' A.S.L.

DRIVEWAY SLOPE = 0.0%

18' WIDE DRIVEWAY (FLAT) BY OWNERS

- 3" COMP. CRUSHED ROCK BASE
- 2" STONE DUST COMP TOPPING
- FUTURE ASPHALT

68' DIA. TURNAROUND

LIMITS OF DISTURBED AREA

FLAT

591.74'

332.74' TO R.O.W.  
(362.74' TO R.O.W.)

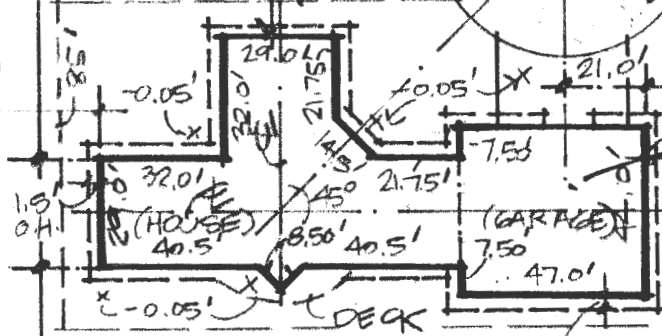
OPTIONAL POND (BY OWNER)

330.74' TO N. R.O.W. (NORTH)

WELL (VERIFY LOCATION)

531.74'

80.0' (WEST)



15' ROOF OVERHANG

179.85'

FIN. SLAB EL. + 650.5' (HOUSE + GARAGE)

SEE DNG A-3 FOR GRADING AROUND HOUSE

2.5' ROOF OVERHANG

(SLOPE)

36.0' SLOPE

LOT 5 (NEW SFD HOUSE + GARAGE)  
(5.7719 AC.±)



BRUCE AND VALERIE KENDALL  
#3073 SHARP ROAD  
GLENELG, MD. 21737  
SCALE: 1" = 50'-0" 6/05/2005  
BUILDER: B&L CONSTRUCTION, INC.

FLAT

⊕ EL + 640' A.S.L.

1500' RUNWAY EASEMENT

R N10°20'14" E

R N79°39'46" W

399.85'





## SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (03-05-05).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT HANDBOOK STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN 10 CALENDAR DAYS FOR ALL PERMANENT SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 IN 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRANSDUCERS SHOWN MUST BE FORCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 HANDBOOK STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING DEC. 50, 500 DEC. 50, TEMPORARY SEEDING DEC. 50, AND REVISIONS DEC. 50. TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL DIVISION.
- SITE ANALYSIS:
 

TOTAL AREA OF SITE	5.779 ACRES
AREA DISTURBED	0.984 ACRES
AREA TO BE REVEGETATED	0.995 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.634 ACRES
TOTAL CUT	CUTS
TOTAL FILL	FILLS
OFFSITE WASTE/BOBROW AREA LOCATION	N/A
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING, ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEPLY NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL DIVISION.
- APPROVAL OF THE INSPECTION AGENCY SHALL BE OBTAINED 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 OF THE INSPECTION AGENCY IS MADE.
- TECHNIQUES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN (1 DAY).
3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE (2 DAY).
4. CONSTRUCT DWELLING ON SITE (10 DAY).
5. AFTER THE SITE IS STABILIZED AND PERMITS ARE GRANTED FROM THE SEDIMENT CONTROL DIVISION, REPAIR SEDIMENT CONTROL STRUCTURES, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL OF THE INSPECTION AGENCY IS MADE.

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TEMPORARY SEEDING NOTES  
APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RE-DISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION  
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS  
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (04 LBS./1,000 SQ. FT.)

SEEDING  
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 1/2 BUSHEL PER ACRE (2.3 LBS./1,000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (0.4 LBS./1,000 SQ. FT.) OF WEeping LOVEGRASS (07 LBS./1,000 SQ. FT.) OF WEeping LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 28, PROJECT SITE BY OPTION (2) - USE 500 OPTION (2) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOO.

MULCHING  
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES ON SLOPES 6 FEET OR HIGHER. USE 340 GALLONS PER ACRE (5 GAL./1,000 SQ. FT.) FOR ANCHORING. REFER TO THE 1994 HANDBOOK STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES  
ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION  
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS  
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ. FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (04 LBS./1,000 SQ. FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 600 LBS. PER ACRE 30-0-0 UREA/AMMONIUM FERTILIZER (09 LBS./1,000 SQ. FT.) AND 500 LBS. PER ACRE (0.3 LBS./1,000 SQ. FT.) OF 10-20-20 FERTILIZER.

SEEDING  
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MAINTENANCE  
INSPECT ALL SEEDER AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.  
\* FOR PUBLIC WORKS SUBSTITUTE CHEMUNG CROWNWEITCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 10 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:  
TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY SILT LOAM, OR SILT LOAM. IT SHALL BE FREE OF ROCKS, STONES, LIMESTONE, AND OTHER MATERIALS LARGER THAN 1 1/2 IN. DIAMETER.  
OTHER SAYS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A Mixture OF COMBING TEXTURE SUBSIES AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF ROCKS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2 IN. DIAMETER.

TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTCRACK, PISONIY, IRIBELL, OR OTHERS AS SPECIFIED.

WHERE THE TOPSOIL IS EITHER HEAVY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 44 TONS/ACRE (200 LBS./1,000 SQ. FT.) AND GROUND PESTICIDE SHALL BE SPREAD TO THE PLACEMENT OF TOPSOIL. THE SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH PLAGG OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
---	SUPER SILT FENCE
LOD	LIMITS OF DISTURBANCE

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 1072 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MARYLAND 21042  
410.661.1295

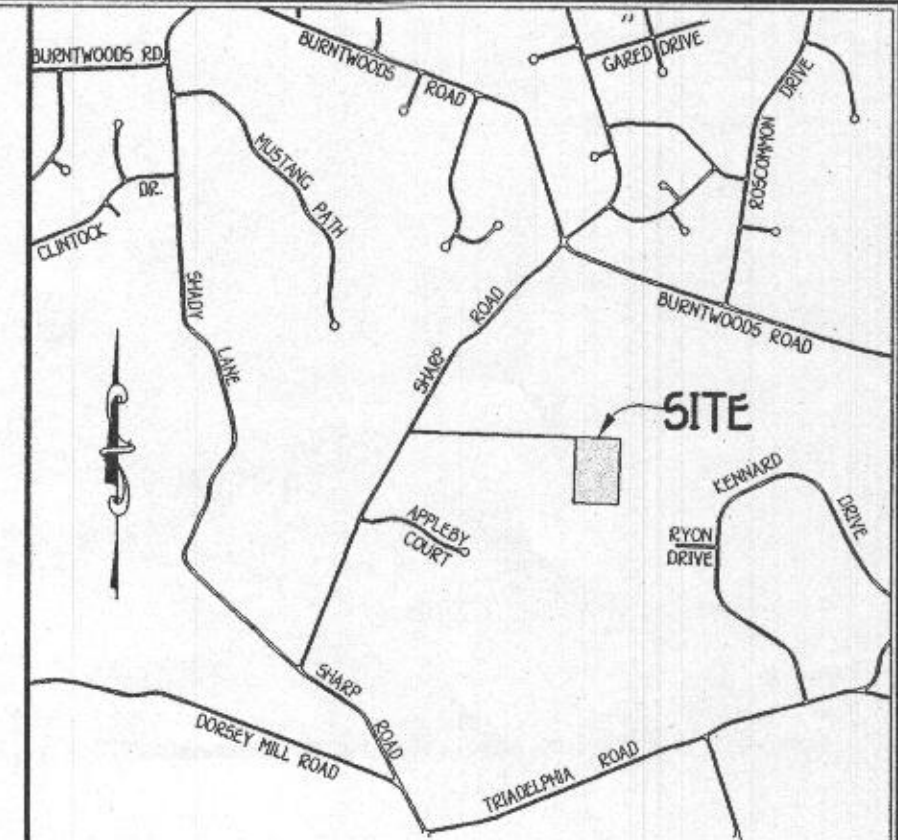
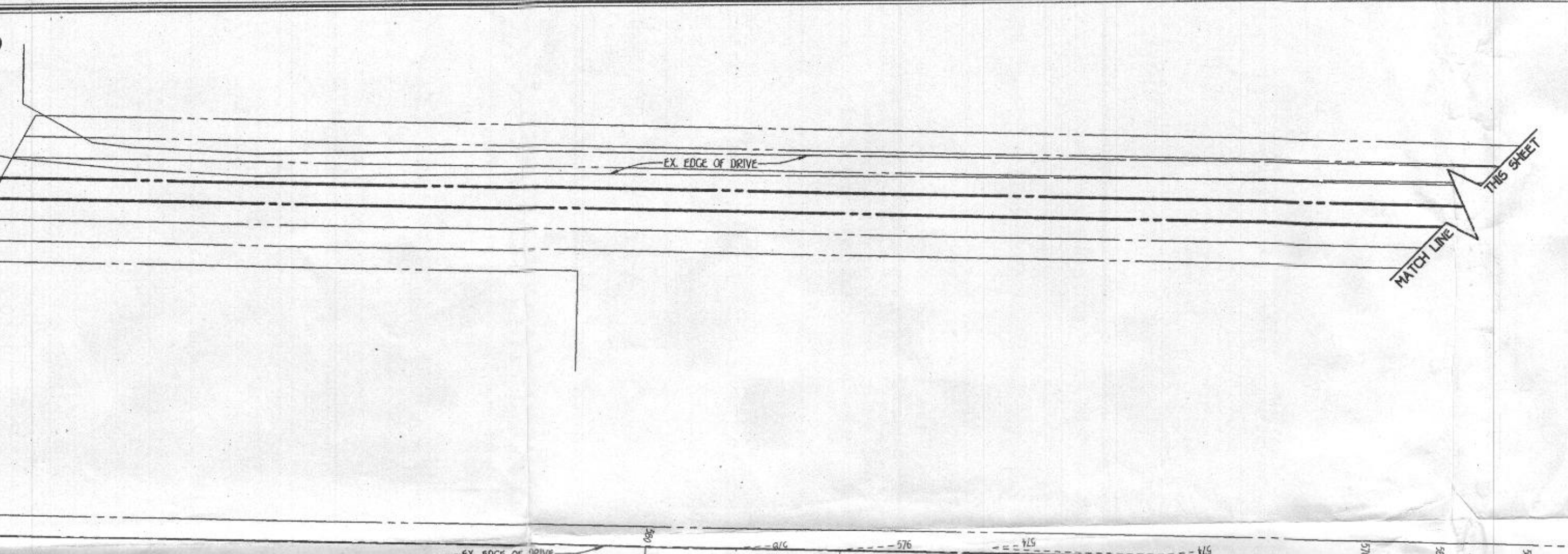
## SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN.
3. CLEAR AND GRUB TO LIMITS OF DISTURBANCE AND MASS GRADE TO FINISH.
4. INSTALL TEMPORARY SEEDING.
5. CONSTRUCT BUILDINGS.
6. FINE GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE.
7. REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMITS ARE GRANTED BY E/S CONTROL INSPECTOR.

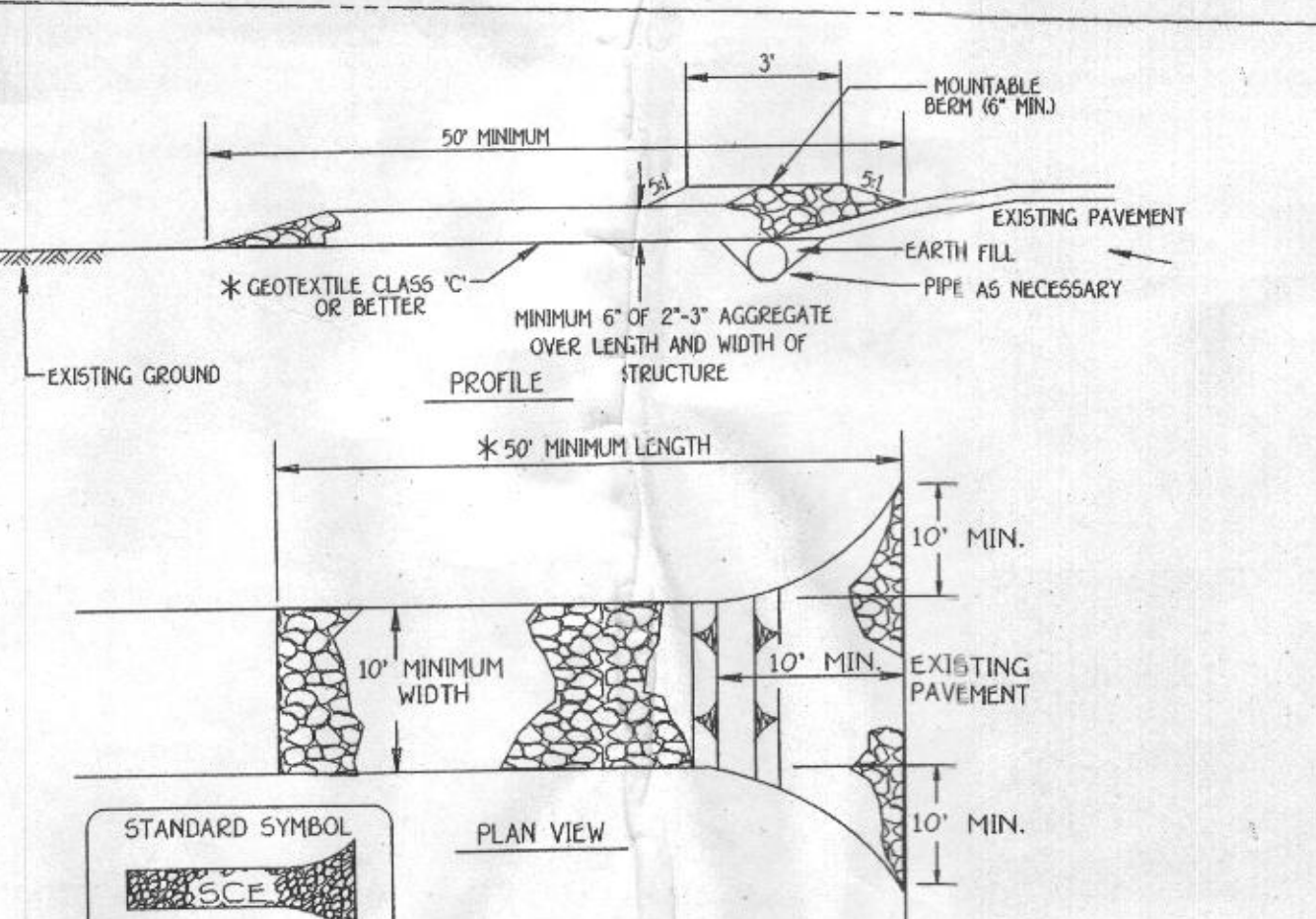
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.  
APPROVED  
*Jim K. Robertson* 9-1-05  
HOWARD COUNTY CONSERVATION DISTRICT

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*Jim Mague* 9-1-05  
U.S.D.A. NATURAL RESOURCE CONSERVATION SERVICE

SHARP ROAD

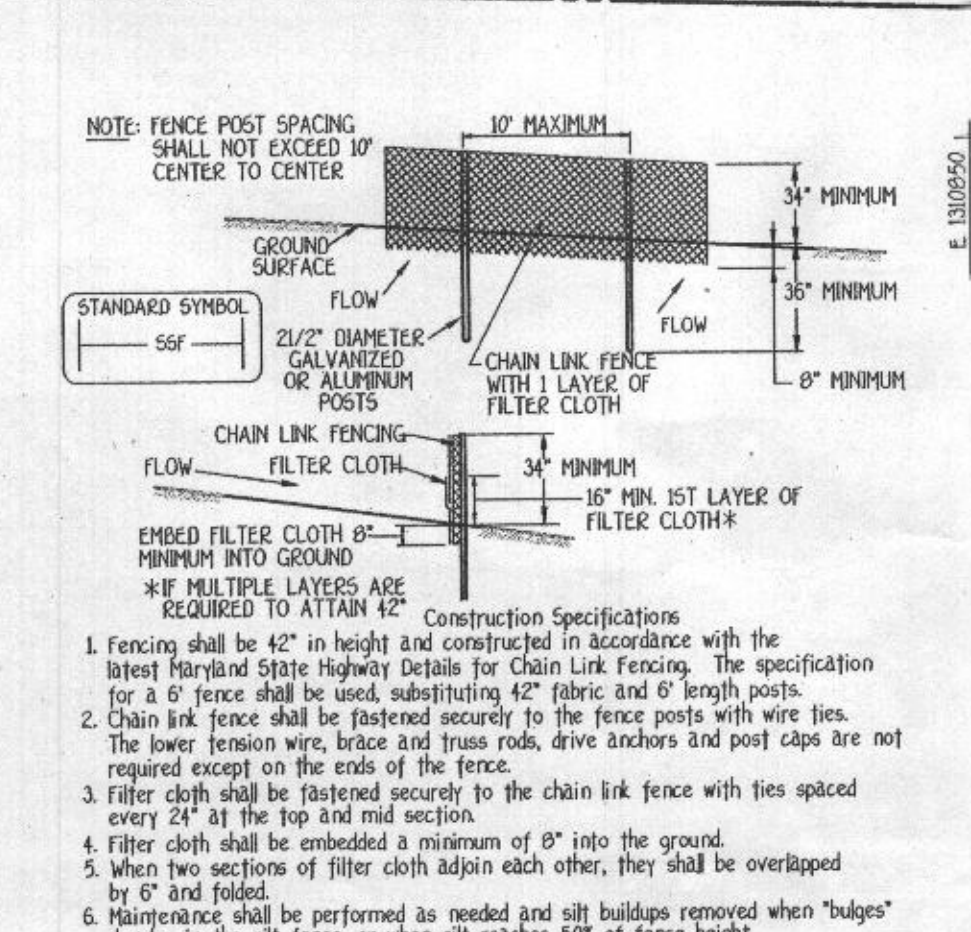


VICINITY MAP  
SCALE: 1" = 1,200'



Construction Specification  
1. Length - minimum of 50' (30' for single residential lot).  
2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.  
3. Geotextile fabric filter cloth shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.  
4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.  
5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mounded berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.  
6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves construction site. Vehicles leaving the site must travel over the entire knifpoint the stabilized construction entrance.

STABILIZED CONSTRUCTION ENTRANCE - 2  
NOT TO SCALE



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STABILIZED CONSTRUCTION ENTRANCE - 2  
NOT TO SCALE

SUPER SILT FENCE	
NOT TO SCALE	
NOTE: FENCE POST SPACING SHALL NOT EXCEED 10' CENTER TO CENTER	
STANDARD SYMBOL	SEE
GROUND SURFACE	2 1/2" DIAMETER GALVANIZED OR ALUMINUM POSTS
CHAIN LINK FENCING	CHAIN LINK FENCE WITH 1 LAYER OF FILTER CLOTH
EMBED FILTER CLOTH 6" MINIMUM INTO GROUND	IF MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 42"
CONSTRUCTION SPECIFICATIONS	
1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.	
2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.	
3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.	
4. Filter cloth shall be embedded a minimum of 6" into the ground.	
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.	
6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.	
7. Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class I:	

DESIGN CRITERIA	
Slope	Silt fence Length (Maximum)
0 - 10%	Unlimited
10 - 20%	1500 feet
20 - 33%	1000 feet
33 - 50%	500 feet
50% +	250 feet

NOT TO SCALE

## PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION  
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS  
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ. FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (04 LBS./1,000 SQ. FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 600 LBS. PER ACRE 30-0-0 UREA/AMMONIUM FERTILIZER (09 LBS./1,000 SQ. FT.) AND 500 LBS. PER ACRE (0.3 LBS./1,000 SQ. FT.) OF 10-20-20 FERTILIZER.

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NOTE  
THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. 10-94-00038 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

## OWNER/DEVELOPER

MR. & MRS. BRUCE KENDALL  
210 MASON DRIVE  
ROCKVILLE, MARYLAND 20850-1453  
410-730-3940

## DEVELOPER'S CERTIFICATE

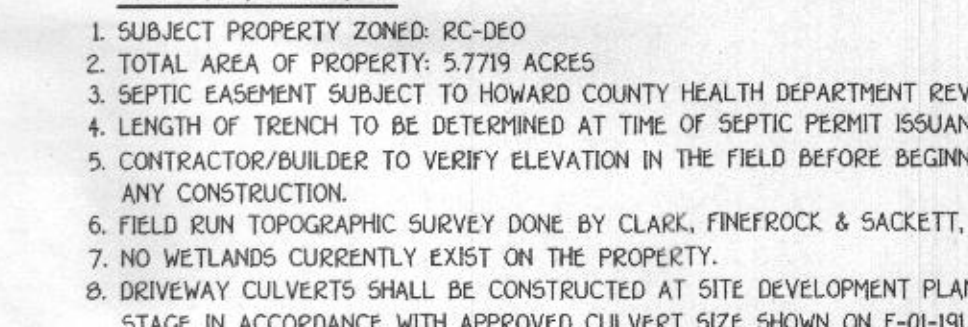
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY CONSERVATION DISTRICT."  
*Bruce Kendall* 9-1-05  
SIGNATURE OF DEVELOPER

## 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 CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT."  
*Earl D. Collins* 8-31-05  
DATE

## KENDALL RESIDENCE

SCALE: 1" = 50'



## GENERAL NOTES

1. SUBJECT PROPERTY ZONED: RC-DEO
2. TOTAL AREA OF PROPERTY: 5.779 ACRES
3. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
6. FIELD RUN TOPOGRAPHIC SURVEY DONE BY CLARK, FINEPROCK & SACKETT, INC.
7. NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
8. DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH APPROVED CULVERT SIZE SHOWN ON F-01-191.
9. STORMWATER MANAGEMENT IS PROVIDED UNDER F-01-191.

SITE DEVELOPMENT, SEDIMENT/EROSION CONTROL PLAN, NOTES & DETAILS

3673 SHARP ROAD

LOT 5

TAX MAP NO. 21 ZONED: RR-DEO PARCEL NO. 153  
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: AUGUST, 2005

GP 06-21







[illegible]

OFFSITE WASTE/SEDIMENT AREA  
(8) ANY SEDIMENT CONTROL FENCE 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 HOVARD COUNTY GEOTECHNICAL CONTROL INSPECTOR,  
ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES.  
(10) APPROVAL BY 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. ANY CHANGING OR GRADING INSPECTION  
APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL  
BY THE INSPECTION AGENCY IS MADE.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 day)
3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2 days)
4. CONSTRUCT DWELLING ON SITE. (90 days)
5. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

SEEDBED PREPARATION:  
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING  
OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.  
IF NOT PREVIOUSLY LOOSENED.

SEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RATE (3.2 LBS./1,000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (07 LBS./1000SQ.FT.). FOR THE PERIOD NOVEMBER 15 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND REFILL AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1,000 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./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER USE 340 GALLONS PER ACRE (8 GAL./1,000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1980 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED

PERMANENT SEEDING NOTES  
ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDBED PREPARATION:  
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING  
OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS:  
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (94 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC. INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (9 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE 0-15 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING:  
SEE THE RECORDS MARCH 1 THROUGH APRIL 30 AND AUGUST

FOR THE PERIOD FROM 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE. 0.4 LBS./PER ACRE (0.9 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE AND 0.2 LBS./PER ACRE (0.5 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS, DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROJECT SITE BY OPTION D - TWO TONS PER ACRE OF WELL ANCHORED STREAM MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING OF OPTION D - TWO TONS PER ACRE WITH 100 LBS./ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEDED.

MULCHING:  
APPLY 1 1/2 TO 2 TONS PER ACRE (0 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES ON SLOPES 8 FEET OR HIGHER USE 300 GALLONS PER ACRE (7.5 GAL./1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE:

INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

- FOR PUBLIC PONDS SUBSTITUTE CHUMPER CROWN VETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST FOLLOW THE FOLLOWING:  
 TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM.  
 OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST  
 APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A HEAVY  
 TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5 % BY VOLUME OF CINDERS, STONE  
 FRAGMENTS, GRAVEL, STICKS, ROOTS TRASH, OR OTHER MATERIALS LARGER THAN 1 IN.  
 TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACK  
 GRASS, DOGWOOD, THISTLE, OR OTHERS AS SPECIFIED.

WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURE:

BY CONSTRUCTION WITH THE PROPOSED DEVELOPMENT OF THE PROJECT

1. OBTAIN GRADING PERMIT.	1 DAY
2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN.	1 DAY
3. CLEAR AND GRUB TO LIMITS OF DISTURBANCE AND MASS GRADE TO SUB-BASE.	1 DAY
4. INSTALL TEMPORARY SEEDING.	1 DAY
5. CONSTRUCT BUILDINGS.	2 MONTHS
6. FINE GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE.	1 DAY
7. REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR.	2 DAYS

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND  
SOIL CONSERVATION DISTRICT

SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
APPROVED: John N. Roberts 9-1-05  
HOWARD SOIL CONSERVATION DISTRICT DATE

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

U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE

MR. & MRS. BRUCE KENDALL  
210 MASON DRIVE  
ROCKVILLE, MARYLAND 20850-1453  
410-730-3940

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

Bruce K. Hill 9-1-08  
SIGNATURE OF DEVELOPER DATE

**DEVELOPER'S CERTIFICATE**

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIPLAN 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 EROSION AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE EROSION ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Bruce K. Kell 9-1-05  
SIGNATURE OF DEVELOPER DATE

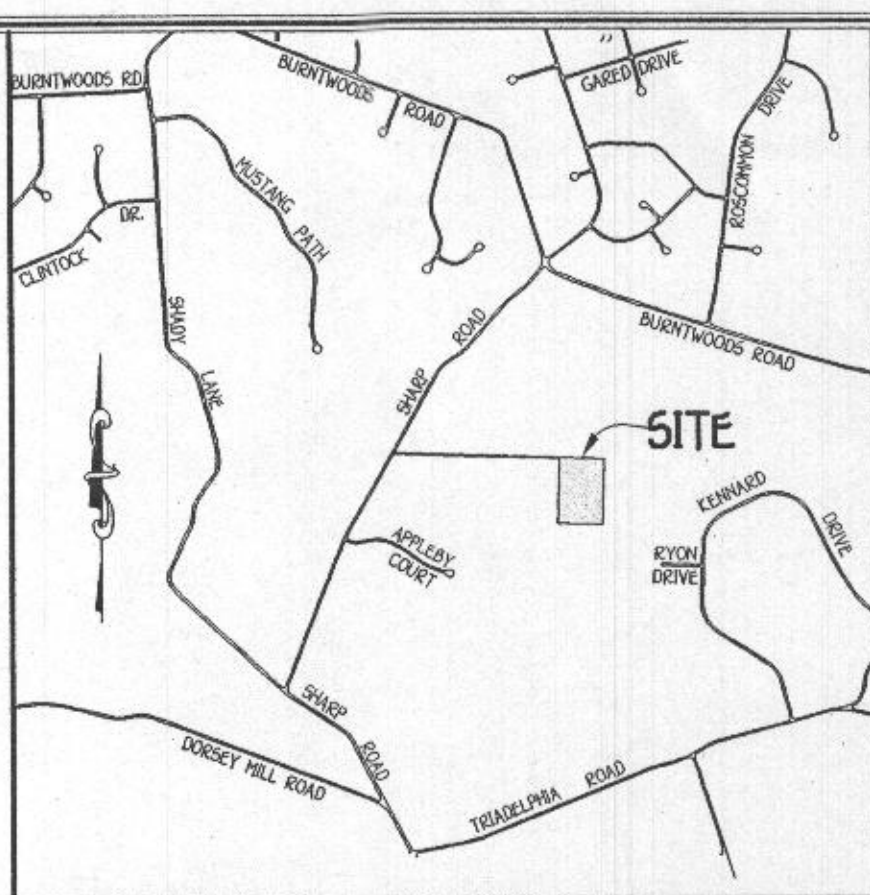
E. D. Collins 8-31-05  
EARL D. COLLINGS DATE

1. SUBJECT PROPERTY ZONED: RC-DEO
2. TOTAL AREA OF PROPERTY: 27.75 ACRES
3. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
6. FIELD OF TOPOGRAPHIC SURVEY DONE BY CLARE, FINEFORK & SACKETT, INC.
7. WETLANDS CURRENTLY EXIST ON THE PROPERTY.
8. DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH APPROVED CULVERT SIZE SHOWN ON F-01-191.
9. STORMWATER MANAGEMENT IS PROVIDED UNDER F-01-191.

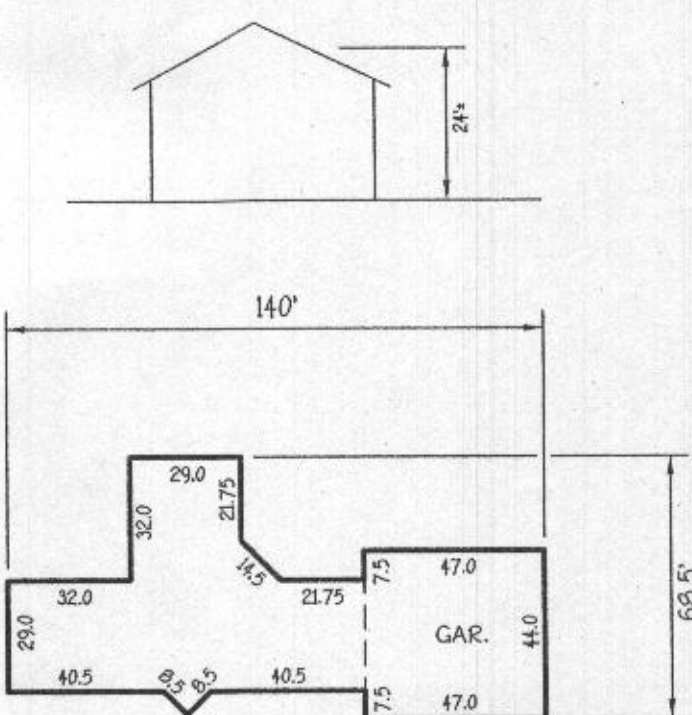
SITE DEVELOPMENT,  
SEDIMENT/EROSION CONTROL PLAN, NOTES & DETAILS  
3673 SHARP ROAD

TAX MAP NO.: 21 ZONED: RR-DEO PARCEL NO.: 153  
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: AUGUST, 2005

GP 06-21



**VICINITY MAP**  
SCALE: 1" = 1,200'

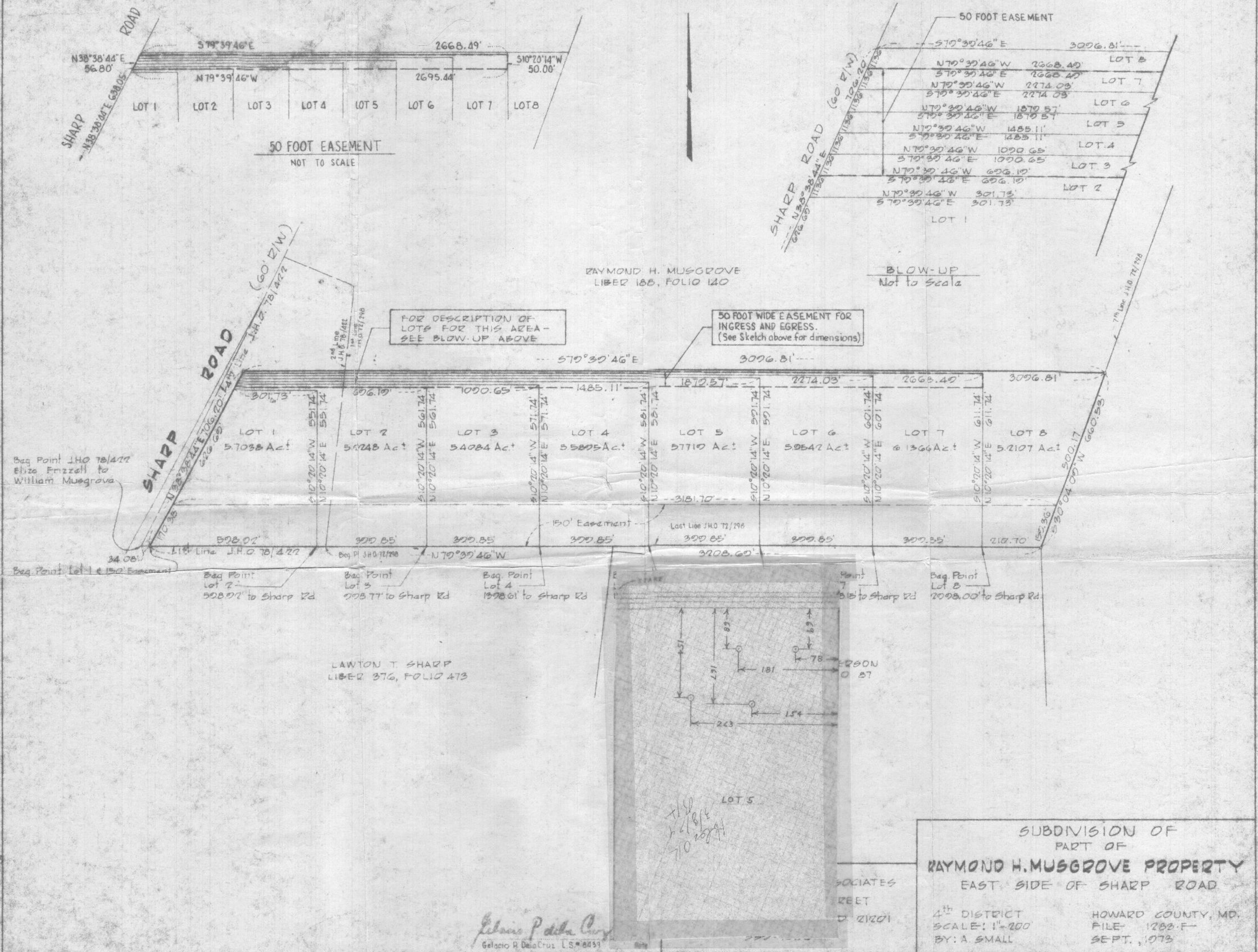


KENDALL RESIDENCE  
SCALE: 1" = 50'

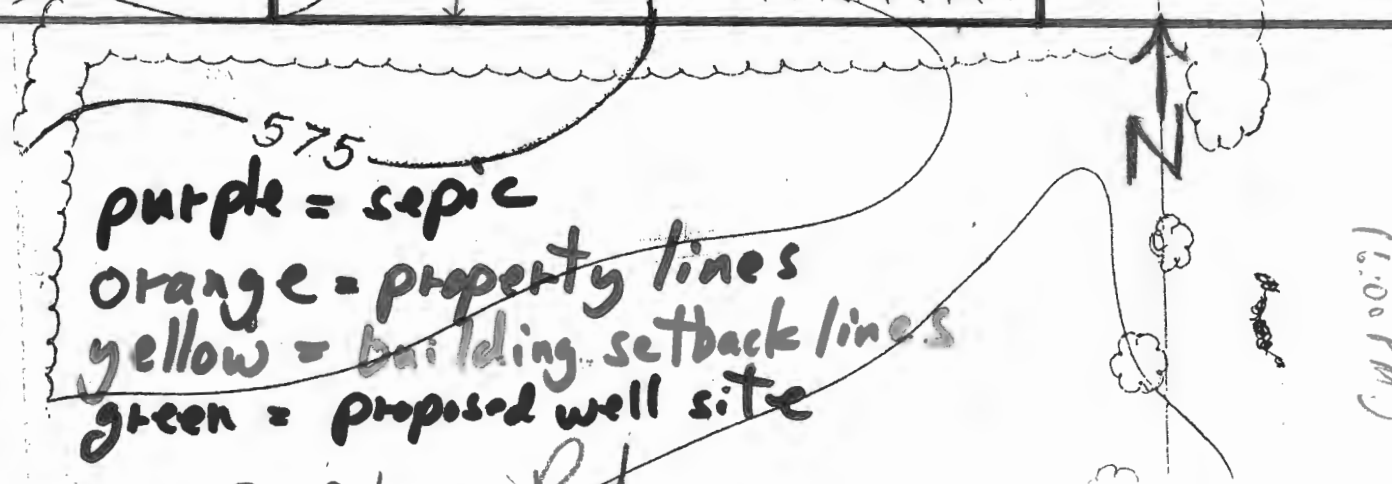












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301-428-4813

301-279-5833

Mr. Kendall  
3/15/94 OT

Mr. Kendall 301-279-5835  
3/15/94 OK call Bruno Reich, 301-596-9182 (owner-seller)  
14189 Howard Rd., Daton Md.