LAYOUT 9/17/07 (RW) INSP 4 _____

INSP 2 10/1/07 (RW) INSP 5 _____

INSP 3 10/4/07 (RW) INSP 6 _____

ISSUE DATE: 9/15/07

APPROVAL DATE: 10/4/07

PERMIT

P 527340

A 540507

TAX ID # 05-411661

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

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 580 Obrecht Rd. PHONE NUMBER: 410-795-5670

SUBDIVISION: Hedgerow LOT NUMBER: 7

ADDRESS: 13606 Sheephead Court PROPERTY OWNER: Shahin John Korangy

SEPTIC TANK CAPACITY (GALLONS): 2000 OUTLET BAFFLE FILTER REQUIRED ☐

PUMP CHAMBER CAPACITY (GALLONS): _____ COMPARTMENTED TANK REQUIRED ☒

NUMBER OF BEDROOMS: 6

SQUARE FEET PER BEDROOM: 187.5

LINEAR FEET OF TRENCH REQUIRED: 230

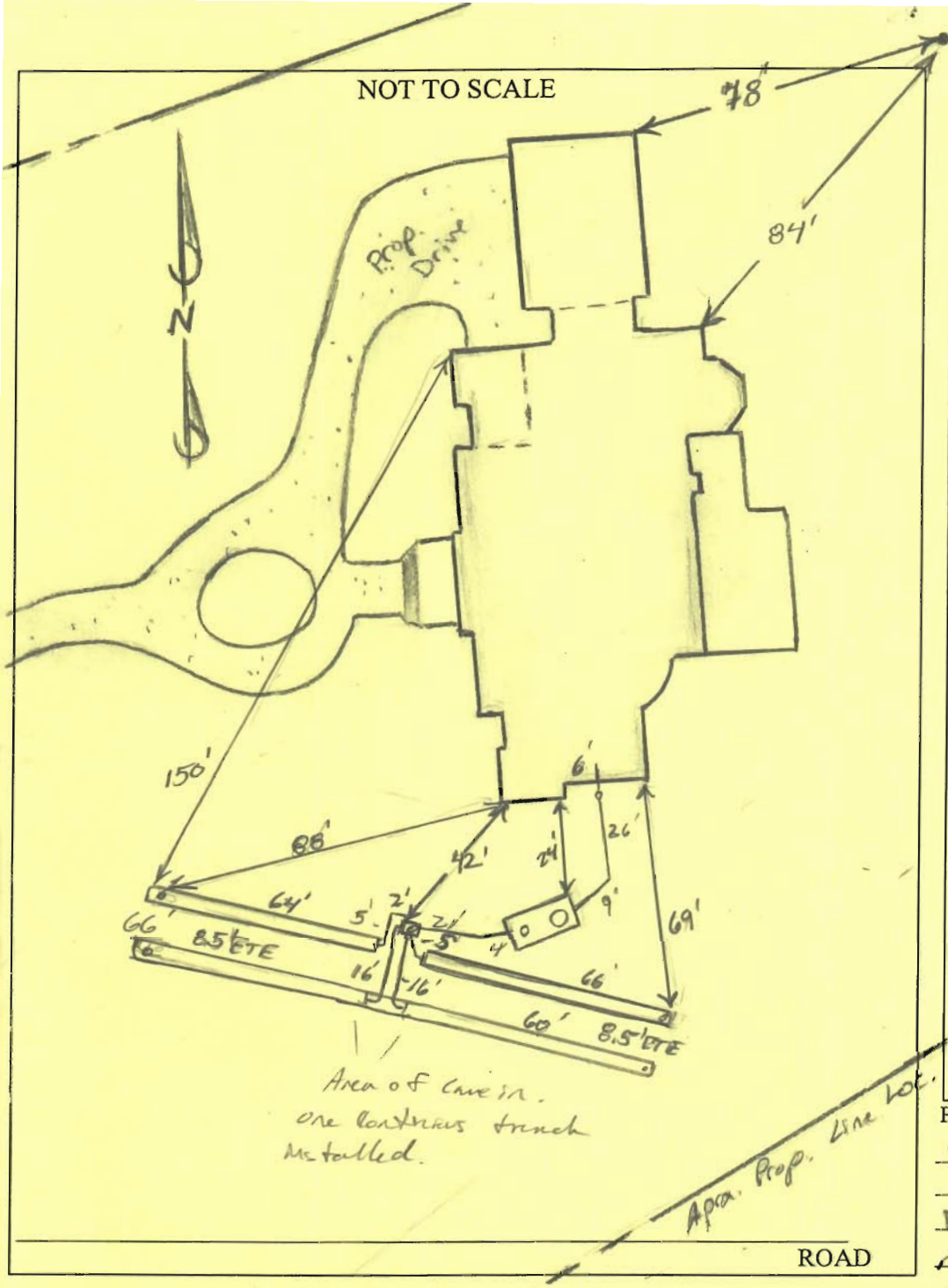
TRENCHES:	Trench to be 3.0 feet wide. Inlet 5.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 6.0 feet below original grade. 3.0 feet of stone below distribution pipe.
LOCATION:	
NOTES:	2nd & 3rd systems only have 1.5' sidewall making total linear feet 230. Basement service by gravity

PLANS APPROVED: Robert Bricker DATE: 9/10/07

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 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM

HO-94-0324



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	5'	8'

NUMBER OF TRENCHES 4

TOTAL LENGTH 256'

ABSORPTION AREA 768' + SW

DISTRIBUTION BOX LEVEL Level

DISTRIBUTION BOX BAFFLE Yes

DISTRIBUTION BOX PORT Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes

CAPACITY 2000 GAL

SEAM LOC Top

TANK LID DEPTH 1 - 2.5'

BAFFLES Yes

BAFFLE FILTER —

MANHOLE LOC Front

6" PORT LOC Rear

WATERTIGHT TEST —

Babylon 2-comp. Slotted

SEPTIC TANK 2 LEVEL _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

PRE-CONSTRUCTION

9/17/07 Set tank 20' from house. Keep D box Top center SOH run 4 x 60' trenches on contour. Runs opposite sides of D box. OK to keep inlet @ 3' 9' edge to edge separation on trenches. (KW)

INSTALLATION: 10/1/07 Tank set per installation. Plumbing installed from house to tank, up to Dbox position. No one working (KW) 10/4/07 D box set. Right two trenches complete. Top left complete digging bottom left trench raw. half-way stoned. Trench caved in @ start of bottom 2 trenches. Contractor just made one continuous trench. OK to backfill when finished pipping last trench

FINAL INSPECTOR K. Wolf DATE OF APPROVAL 10/4/07

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION, AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER — 6/15/06 DATE

DEVELOPERS CERTIFICATE

I 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 SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NESSARY.

SIGNATURE OF DEVELOPER — DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

USDA - NATURAL RESOURCE CONSERVATION SERVICE — DATE

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

HOWARD SOIL CONSERVATION DISTRICT — DATE

Standard Sediment Control Notes

1. 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 (313-1855).

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 most current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.

3. Following initial soil disturbance or re-disturbance, 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/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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (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:

Total Area of Site	3.075	Acres	
Area Disturbed	1.00	Acres	43,600 S.F.
Area to be roofed or paved	0.24	Acres	
Area to be vegetatively stabilized	0.76	Acres	
Total Cut	850	Cu Yds.	
Total Fill	850	Cu Yds.	
Offsite waste/borrow area location			

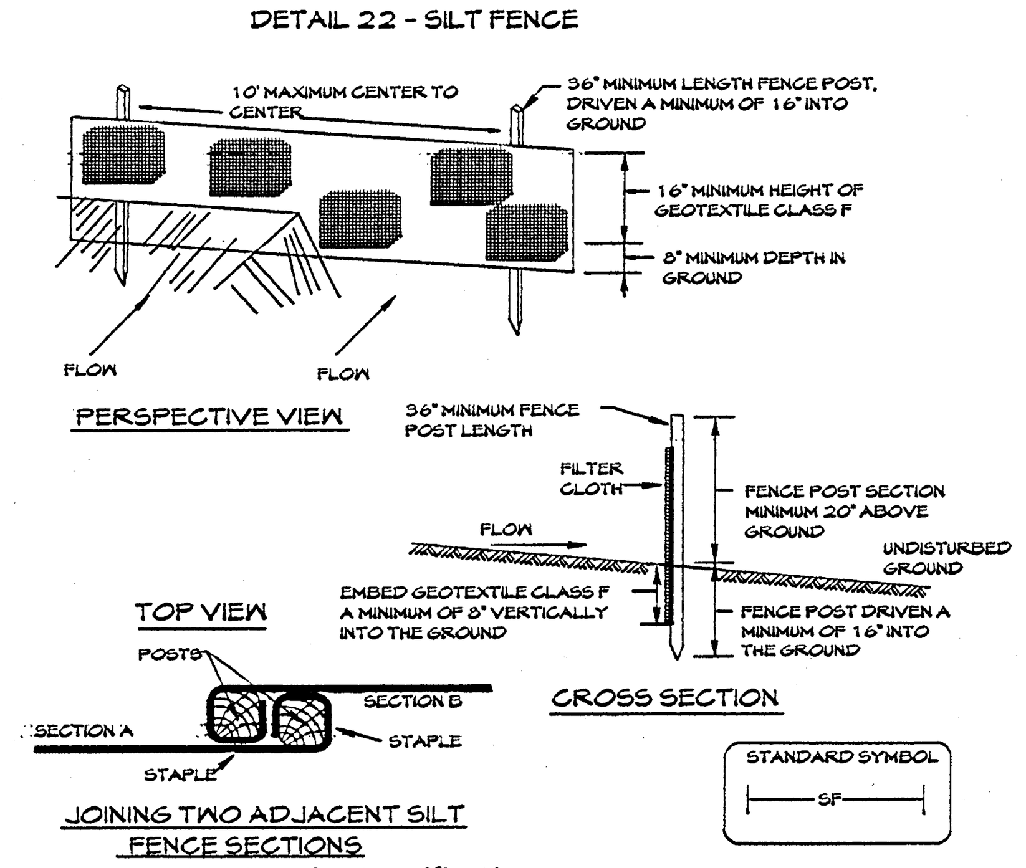
8. Any sediment control practice, which is disturbed by grading activity for placement of utilities, must be repaired on the same day of disturbance.

9. Additional sediment control must be provided, if deemed necessary by the Howard County 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 for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized by the end of each workday, whichever is shorter.

DETAIL 22 - SILT FENCE



JOINING TWO ADJACENT SILT FENCE SECTIONS

Construction Specifications

1. FENCE POSTS SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. WOOD POSTS SHALL BE 1½" X 1½" SQUARE (MINIMUM) CUT, OR 1¾" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD T OR U SECTION WEIGHTING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.

2. GEOTEXTILE 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 F:

TENSILE STRENGTH	50 LBS/IN (MIN.)	TEST: MSMT 509
TENSILE MODULUS	20 LBS/IN (MIN.)	TEST: MSMT 509
FLOW RATE	0.3 GAL FT²/ MINUTE (MAX.)	TEST: MSMT 322
FILTERING EFFICIENCY	75% (MIN.)	TEST: MSMT 322

3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.

4. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

NOTE: IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM, SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.

CAD Drawing File Name:

STANDARDS AND SPECIFICATIONS FOR TOPSOIL CONSTRUCTION AND MATERIAL SPECIFICATIONS

I. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

i. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils 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 contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger that 1 ½" in diameter.

ii. Topsoil must be free of plants or plant parts such as bermuda grass, quack grass, Johnson grass, nutsedge, poison ivy, thistle, or others as specified.

iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

III. For sites having disturbed areas under 5 acres:

i. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

IV. For sites having disturbed areas over 5 acres:

i. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:

a) pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.

b) Organic content of topsoil shall be not less than 1.5 percent by weight.

c) Topsoil having soluble salt content greater than 500 parts per million shall not be used.

d) No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials.

Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

ii. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

V. Topsoil Application

i. When topsoiling, maintain needed erosion and sediment control practices such as diversions, grade stabilization structures, earth dikes, slope silt fence and sediment traps and basins.

ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4"-8" higher in elevation.

iii. Topsoil shall be uniformly distributed in a 4"-8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil.

iv. preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.

v. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

VI. Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

i. Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:

a) Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.

b) Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.

c) Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.

ii. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.

HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONGLIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING 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 ACRES 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 DISK 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 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING- FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31" TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS. KENTUCKY 31" TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (0.5 LBS/1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28. PROTECT SITE BY: OPTION (1) Φ 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2)- USE SOD. OPTION (3)- SEED WITH 60 LBS/ACRE KENTUCKY 31" TALL FESCUE AND MULCH WITH 2 TON/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 A MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPES OF 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 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, DISKING, OR OTHER ACCEPTABLE MEANS BEFORE SEEDING IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.)

SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 15 THROUGH OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.) FOR THE PERIOD OF MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (0.7 LBS/1000 SQ.FT.) FOR THE PERIOD OF NOVEMBER 16 THROUGH NOVEMBER 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 WEED FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL. PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 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 ADDITIONAL RATES AND METHODS NOT COVERED.

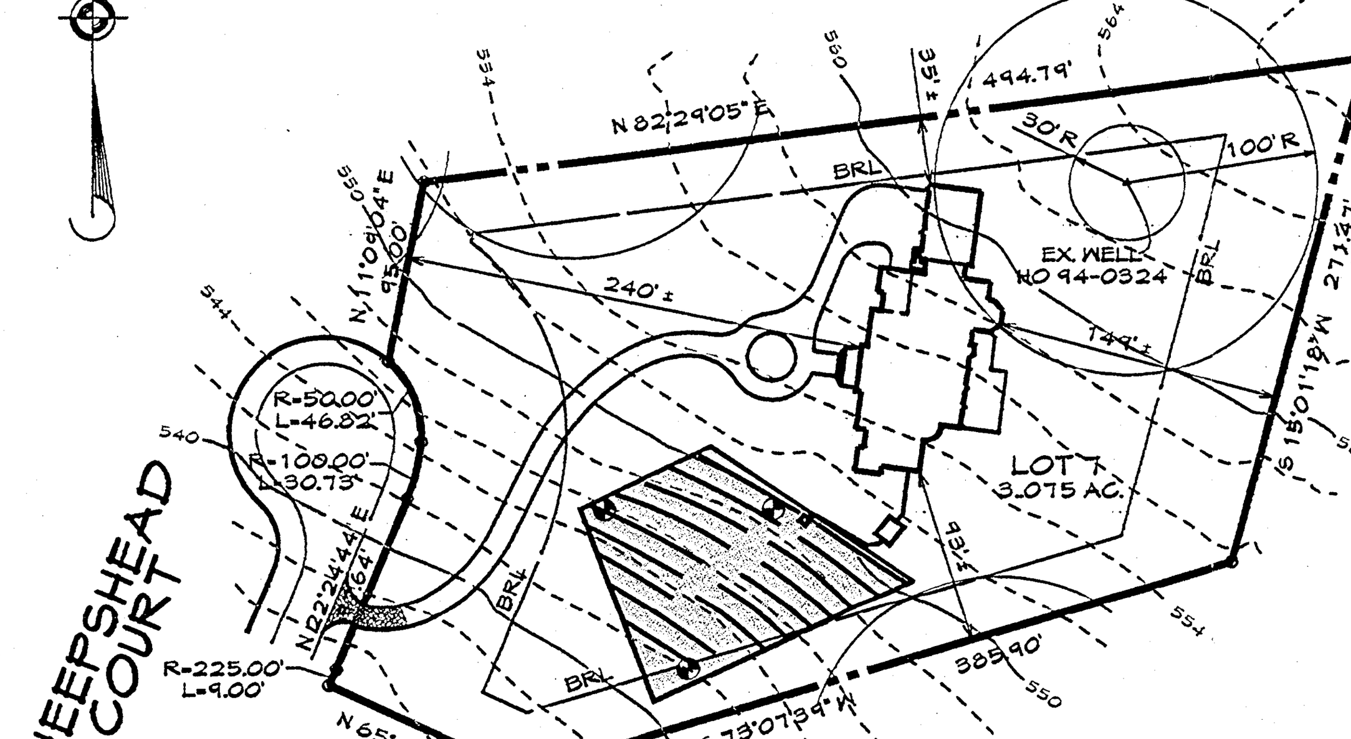
SEPTIC SYSTEM NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO.:
2. PROPOSED 1750 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 564.50
   B. BASEMENT ELEVATION: 553.00
   C. INVERT OF SEPTIC SYSTEM AT HOUSE: 551.5
   D. INVERT AT SEPTIC TANK: 549.5
   E. INVERT OUT AT SEPTIC TANK: 549.2
   F. PROPOSED GRADE OVER SEPTIC TANK: 551.5
   G. INVERT AT DISTRIBUTION BOX: 548.2
   H. EXISTING GROUND OVER DISTRIBUTION BOX: 550.2
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

BUILDER TO VERIFY AVAILABILTY OF BASEMENT SEWER SERVICE PRIOR TO DWELLING STAKEOUT.

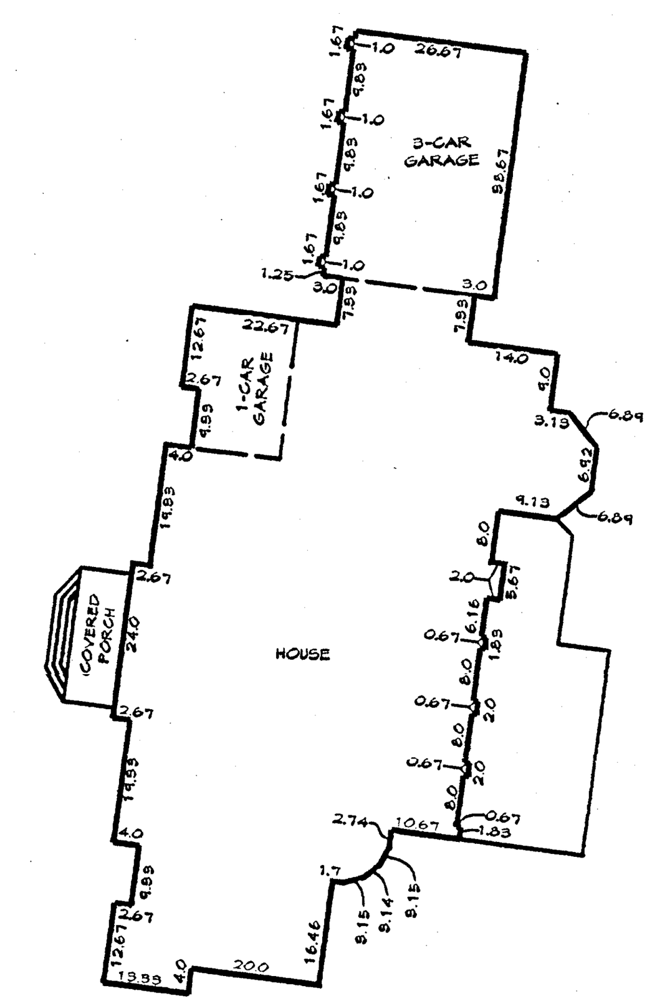
SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 DAY)
3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE. BUILD HOUSE (6 MOS.)
4. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS. (2 DAYS)



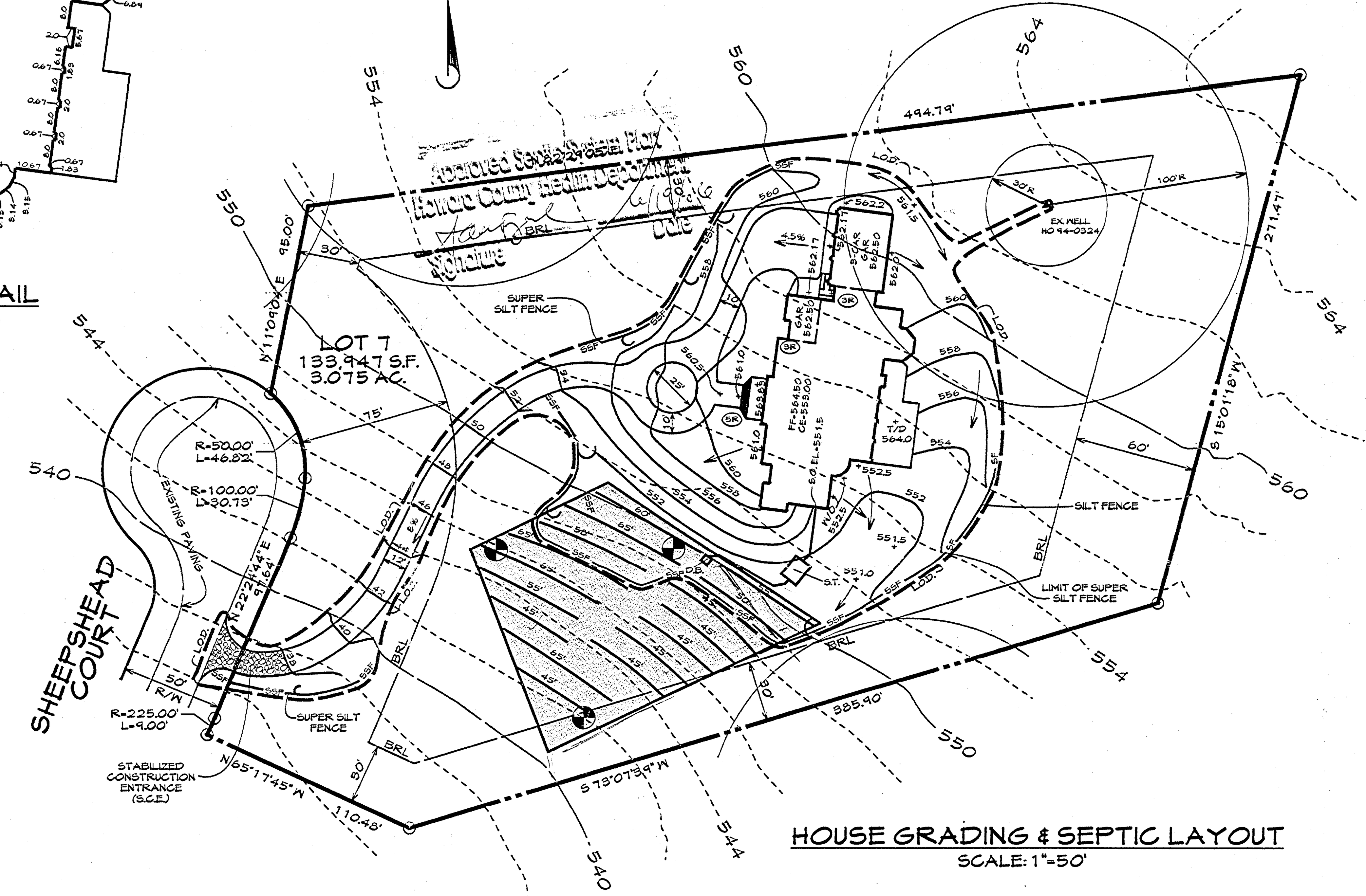
LOCATION PLAN

SCALE: 1"=100'



HOUSE DETAIL

SCALE: 1"=30'



HOUSE GRADING & SEPTIC LAYOUT

SCALE: 1"=50'

LEGEND

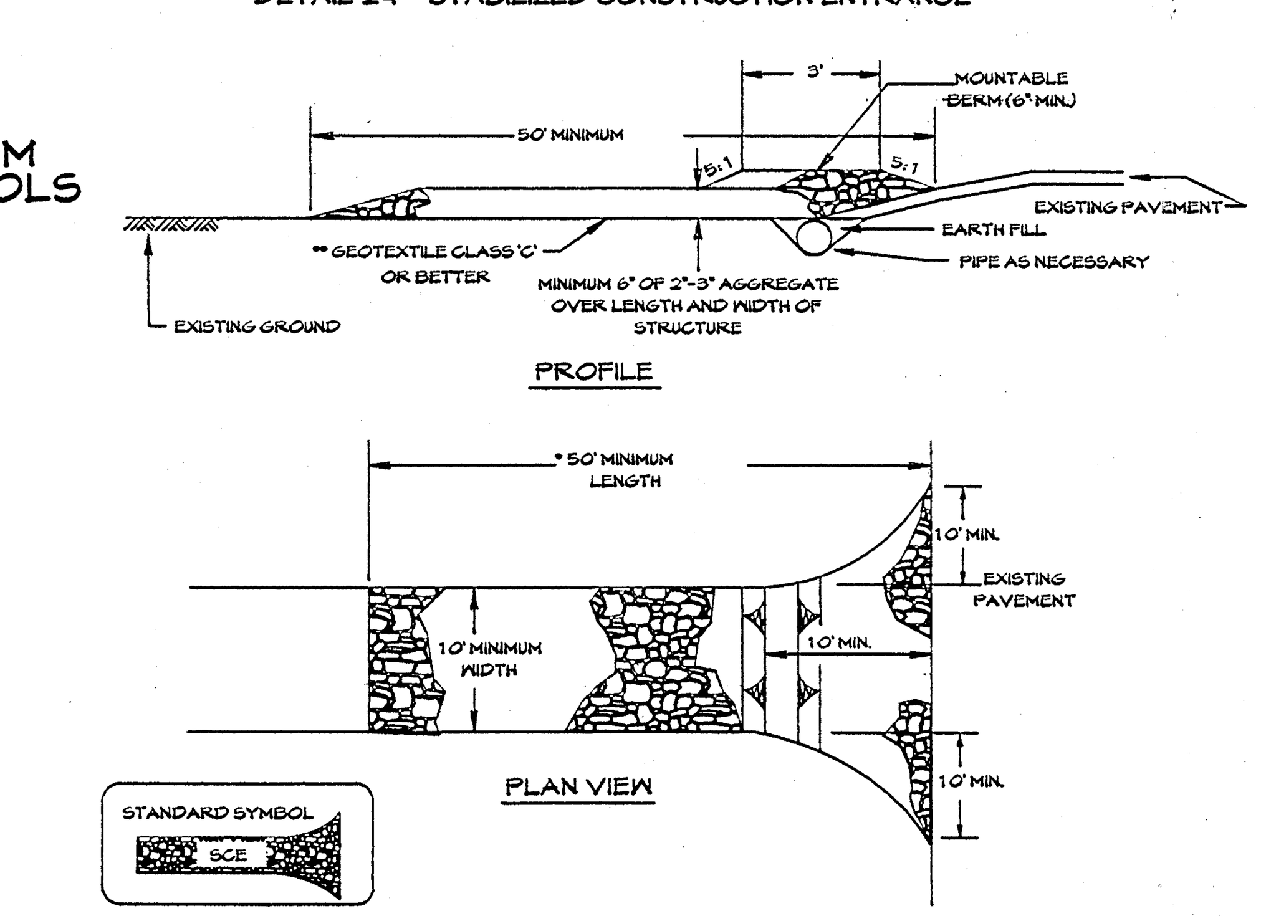
- ▲ -DENOTES EXISTING WELL
- SF — SF -DENOTES SILT FENCE
- SSF — SSF -DENOTES SUPER SILT FENCE
- -DENOTES STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)
- -DENOTES SEPTIC AREA
- L.O.D. -DENOTES L.O.D. LIMIT OF DISTURBANCE
- S.O. -DENOTES SEWER OUT

L.O.D.-DENOTES LIMIT OF DISTURBANCE TOTAL AREA=43,600 S.F.

NOTE: ENTIRE HOUSE CAN BE GRAVITY SEWERED TO SEPTIC TANK

NOTE: "The existing well(s) shown on this plan (identified with the attached well tag number ex. HO-94-0324) has been field located by John Koranby professional land surveyor(s) and its accurately shown."

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



1. LENGTH - MINIMUM OF 50' (*30' FOR SINGLE RESIDENCE 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.

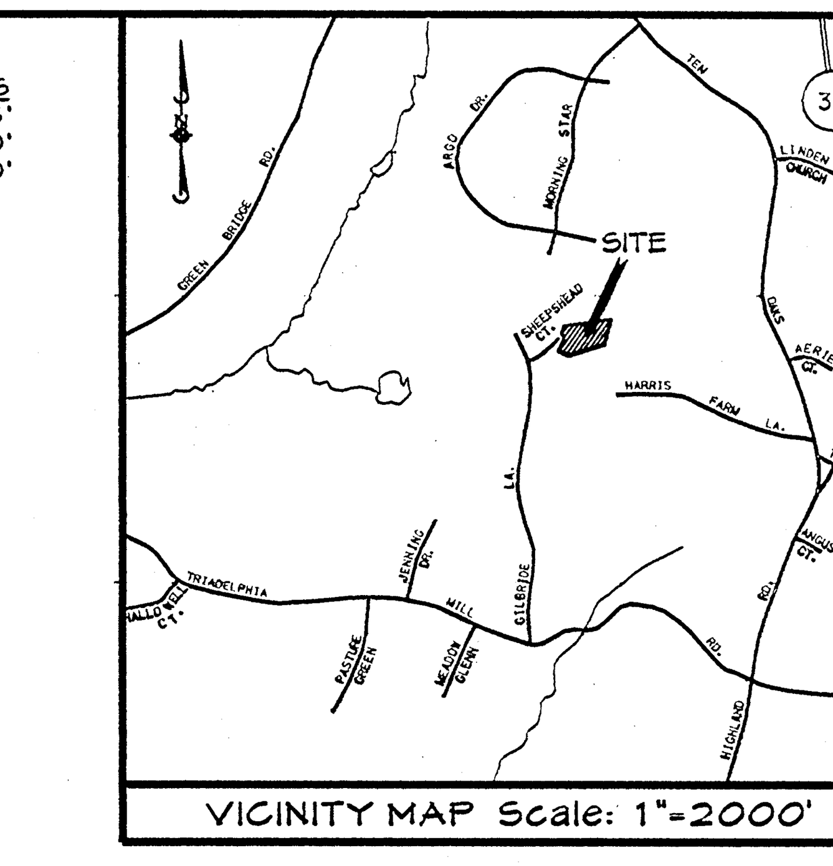
4. STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.

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 MOUNTABLE 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 A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCION ENTRANCE.

BUILDING SETBACKS

FRONT	75'
SIDE	30'
REAR	60'



VICINITY MAP Scale: 1"=2000'

GENERAL NOTES

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

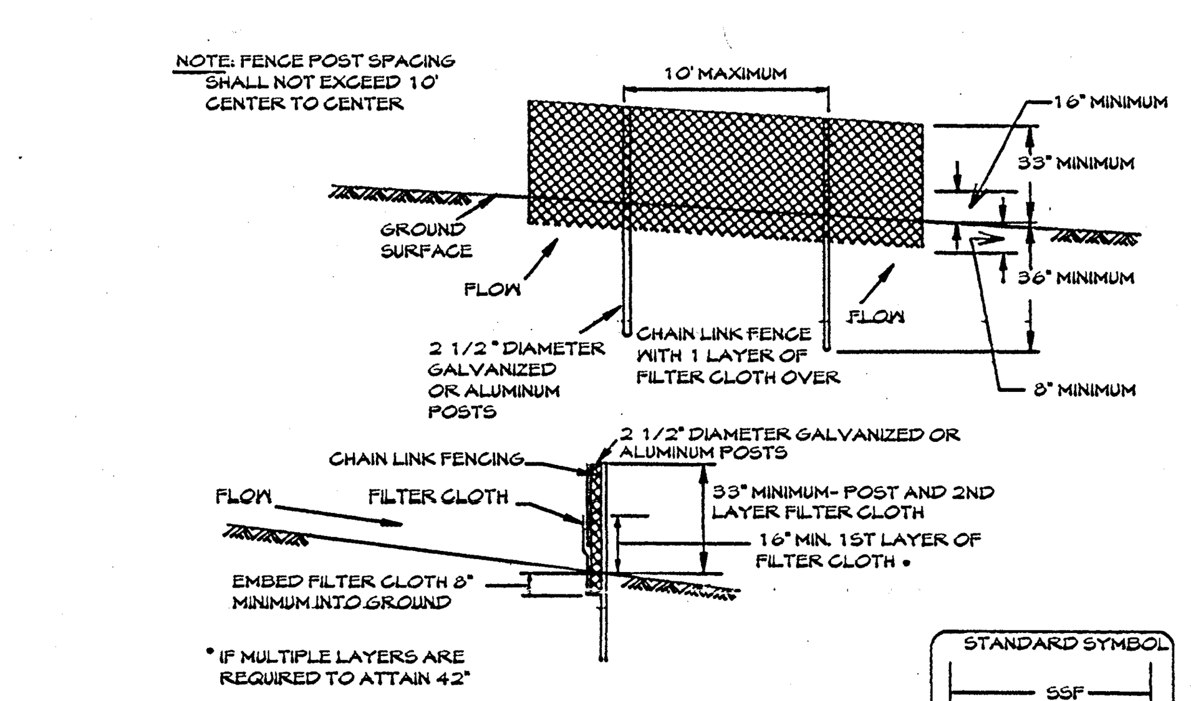
2. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.

3. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.

4. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.

5. ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED GOVERNMENT DELAY IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.

DETAIL 33 - SUPER SILT FENCE



CONSTRUCTION SPECIFICATIONS

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.

1. THE POLES DO NOT NEED TO SET IN CONCRETE.

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 8" 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 F:

TENSILE STRENGTH	50 LBS/IN (MIN.)	TEST: MSMT 509
TENSILE MODULUS	20 LBS/IN (MIN.)	TEST: MSMT 509
FLOW RATE	0.3 GAL/FT²/MINUTE (MAX.)	TEST: MSMT 322
FILTERING EFFICIENCY	75% (MIN.)	TEST: MSMT 322

DESIGN CRITERIA

SLOPE	SLOPE STEEPNESS	SLOPE LENGTH (MAXIMUM)	SILT FENCE LENGTH (MAXIMUM)
0 - 10%	0 - 10:1	UNLIMITED	UNLIMITED
10 - 20%	10:1 - 5:1	200 FEET	1,500 FEET
20 - 33%	5:1 - 3:1	100 FEET	1,000 FEET
33 - 50%	3:1 - 2:1	100 FEET	500 FEET
50% +	2:1 +	50 FEET	250 FEET

REVISIONS

DATE	REVISIONS	
3/28/06	REVISE HOUSE DIMENSION AS PER CLIENT	JEF
4/26/06	REVISED SILT FENCE TO SUPER SILT FENCE & S.C.E. AS PER COUNTY COMMENTS	JEF
6/15/06	REVISED SEPTIC AREA BY SHOWING ALL TRENCHES TO PLAN FOR A (6) BEDROOM HOUSE & L.O.D. PER COUNTY COMMENTS	JEF

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT

PLOT PLAN

LOT 7

SHEEPSHEAD COURT

HEDGEROW

TAX MAP: 28 PARCEL: 30

5TH ELECTION DISTRICT HOWARD COUNTY, MD.

PLAT No. 8435

CLSI — Engineers • Surveyors • Landscape Architects • Land Development & Environmental Consultants
www.clsi-civileng.com

FREDERICK OFFICE: 5111 Pegasus Court, Suite B, Frederick, MD 21704-8318, (301) 662-1799, FAX (301) 662-8004

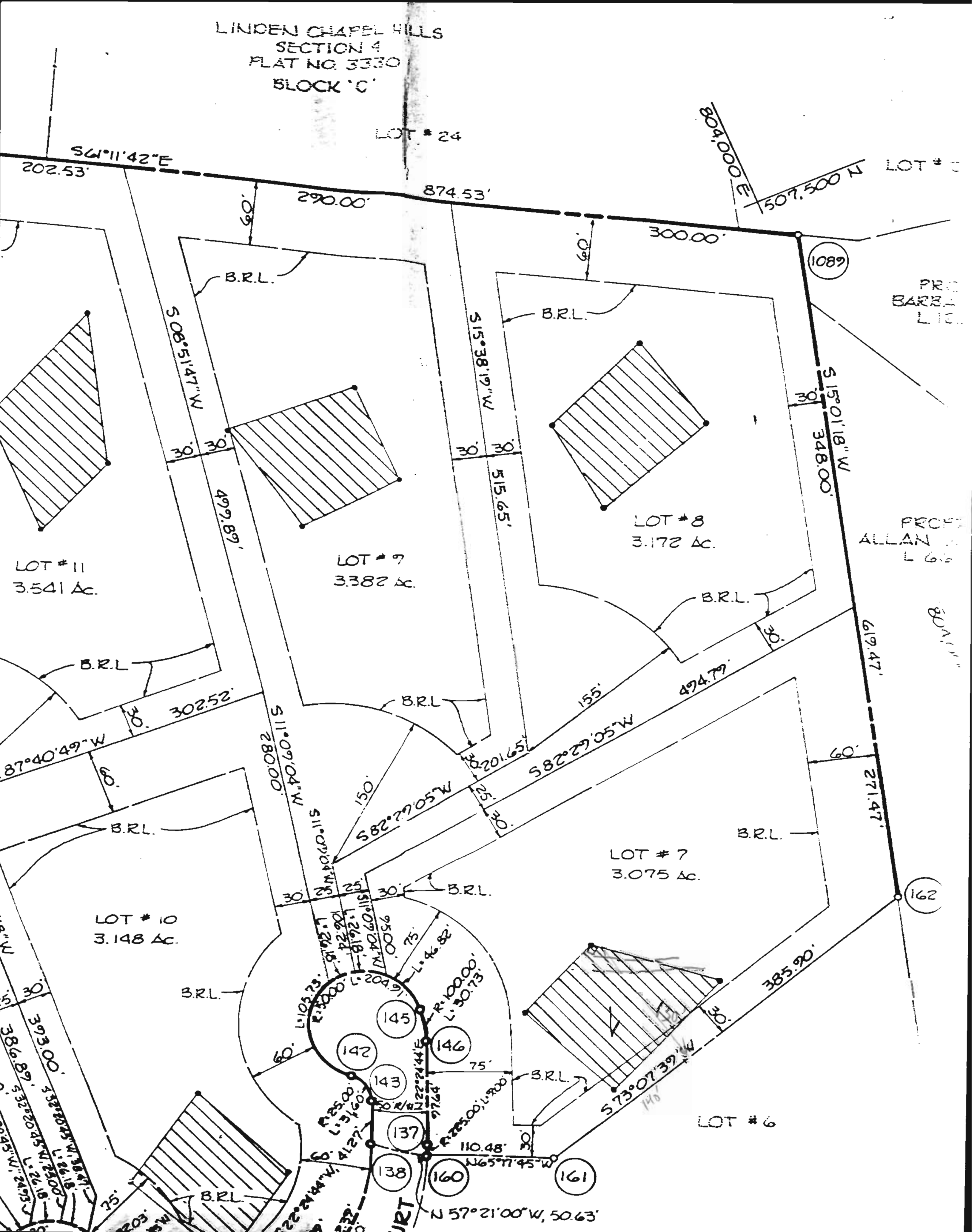
WESTMINSTER OFFICE: 439 East Main Street, Westminster, MD 21157-5539, (410) 848-1790, FAX (410) 848-1791

STATE OF MARYLAND — PROFESSIONAL ENGINEER

Alfred L. Hansard, Professional Engineer Registration No. 23446

Date: 3/21/2006	
Surveyed By:	Drawn By: HSG
Computed By:	Checked By: JEF
Drawing No.: 48144A	
County File No.:	

County File No. F- -



LINDEN CHAPEL HILLS
SECTION 4
PLAT NO. 3330
BLOCK 'C'
LOT # 24
S61°11'42"E
202.53'
290.00'
874.53'
300.00'
804,000 E
507,500 N
1089
B.R.L.
S 08°51'47"W
S 15°38'19"W
S 15°01'18"W
348.00'
30'
60'
499.89'
515.65'
LOT # 11
3.541 Ac.
LOT # 9
3.382 Ac.
LOT # 8
3.172 Ac.
619.47'
302.52'
87°40'49"W
155'
494.79'
S 82°29'05"W
201.65'
S 11°09'04"W
280.00'
150'
25'
60'
271.47'
LOT # 7
3.075 Ac.
162
LOT # 10
3.148 Ac.
75'
L:46.82'
R:100.00'
L:30.73'
L:204.91'
R:50.00'
L:103.73'
145
146
142
143
137
138
160
161
385.90'
S 73°07'39"W
LOT # 6
110.48'
N65°17'45"W
N 57°21'00"W, 50.63'
R:25.00
L:31.60'
41.27'
393.00'
386.89'

LOCATION OF PROPERTY KNOWN AS 13606 SHEEPSHEAD COURT, ALSO KNOWN AS LOT 7 AS SHOWN ON PLAT OF HEDGEROW, SECTION 1 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, IN PLAT # 8935.

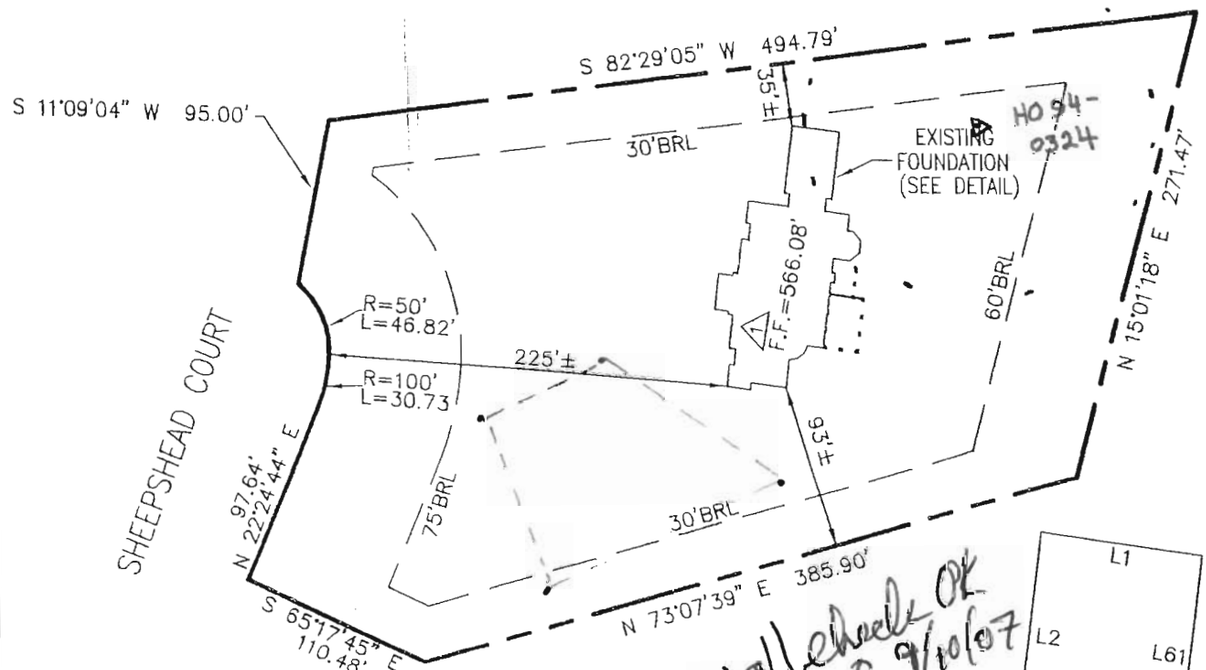
THIS DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT THIS IDENTIFICATION MAY BE REQUIRED, BUT NEED NOT BE REQUIRED, FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.

THIS DRAWING IS OF BENEFIT TO A CONSUMER ONLY INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING

THIS DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

THE DISTANCES SHOWN HEREON ARE ±1 FOOT.

A LICENSED SURVEYOR WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS PLAT AND THE SURVEYING WORK REFLECTED IN IT, ALL IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN REGULATION 09.13.06.12. BEARINGS AND DISTANCES SHOWN HEREON ARE BASED ON THE PLAT OF HEDGEROW, SECTION 1, RECORDED IN PLAT # 8935.

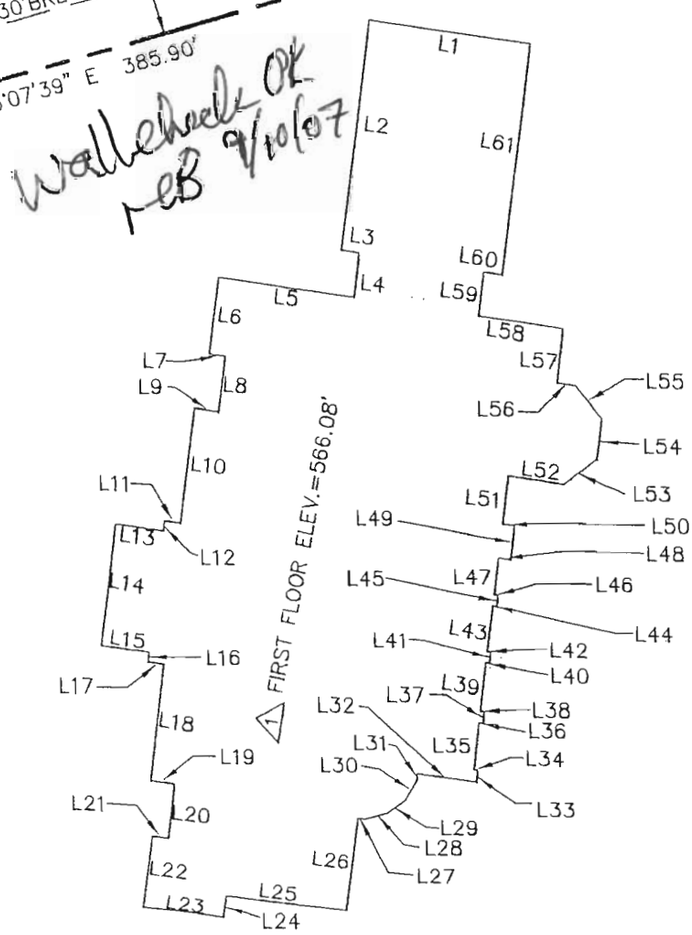


Wallcheck OK
MB 9/10/07

LINE	DIST.
L1	26.7'
L2	38.7'
L3	3.0'
L4	7.3'
L5	22.7'
L6	12.7'
L7	2.7'
L8	9.3'
L9	4.0'
L10	19.3'
L11	2.7'
L12	1.7'
L13	8.0'
L14	20.7'
L15	8.0'
L16	1.7'
L17	2.7'
L18	19.3'
L19	4.0'
L20	9.3'

LINE	DIST.
L21	2.7'
L22	12.7'
L23	13.3'
L24	4.0'
L25	20.0'
L26	16.5'
L27	1.1'
L28	3.9'
L29	3.9'
L30	3.9'
L31	1.1'
L32	9.7'
L33	2.0'
L34	0.7'
L35	7.9'
L36	0.7'
L37	2.0'
L38	0.7'
L39	7.9'
L40	0.7'

LINE	DIST.
L41	2.0'
L42	0.7'
L43	7.9'
L44	0.7'
L45	2.0'
L46	0.7'
L47	6.2'
L48	2.0'
L49	5.7'
L50	2.0'
L51	8.0'
L52	9.1'
L53	6.9'
L54	6.9'
L55	6.9'
L56	3.1'
L57	9.0'
L58	14.0'
L59	7.3'
L60	3.0'
L61	38.7'



DETAIL
NTS

STATE OF MARYLAND
BRYAN JASON HAYNIE
No. 21438
PROFESSIONAL LAND SURVEYOR

1 REVISION 07/19/2007 ADDED FIRST FLOOR ELEVATION

SCALE	DATE
1"= 100'	DEC. 2006
DR. BY	CHK. BY
BCH	BJH
PLAT NO.	JOB No.
8935	26198.00

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - SURVEYORS
10710 GILROY ROAD
HUNT VALLEY, MARYLAND
(410) 823-8070

FOUNDATION CERTIFICATION

HEDGEROW
SECTION 1
LOT 7

13606 SHEEPSHEAD COURT
CLARKSVILLE, MD. 21029