

LAYOUT 2/26/08 INSP 4 2/29/08  
INSP 2 2/27/08 INSP 5 5/28/08  
INSP 3 2/28/08 INSP 6 5/29/08

ISSUE DATE: 2/8/08

P 528493

APPROVAL DATE: 5/30/08

**PERMIT**  
*Logged Into Permit Manager*  
TAX ID # **02-424363**

A 526672

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

Fogles Septic Clean IS PERMITTED TO INSTALL  ALTER

ADDRESS: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_

SUBDIVISION: Scrivener Property LOT NUMBER: 4

ADDRESS: 4515 Manor Lane PROPERTY OWNER: Manor Lane Farm LLC

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

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: \_\_\_\_\_

LINEAR FEET OF TRENCH REQUIRED: 214

TRENCHES:	Trench to be 2.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 6.0 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Start trenches on west side of easement
NOTES:	Install per plan unless directed by HCHD. Layout inspection required prior to system installation.

PLANS APPROVED: Sara Sappington DATE: 12/17/07

- 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**

NOT TO SCALE

See As-Built Drawing  
On Separate Sheet

ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	4'	8'
NUMBER OF TRENCHES		4
TOTAL LENGTH		223'
ABSORPTION AREA		446 x 2
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Elk
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	0'-1"
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front + Rear
6" PORT LOC	None
WATERTIGHT TEST	N/A
SEPTIC TANK 2 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5'
BAFFLES	Front
BAFFLE FILTER	No
MANHOLE LOC	Rear
6" PORT LOC	Front
WATERTIGHT TEST	No

PRE-CONSTRUCTION 2/26/08 Set Tanks out of suite. Install pump line 42" below grade as layout by surveyed stakes.

INSTALLATION Place D box top middle of SRA, Install 4 trenches totaling 214' on contour. Contour shot in field. Call for flu inspection (KW) 2/27/08 Pump line on rear house up to D box nothing else completed. Had contractor install 2 check valves in Force main. (KW) 2/28/08 Trenches finished. (BB) 2/29/08 Tanks set and all plumbing completed. (BB)

5/28/08 P/A test not good. Electrical not hooked up. (KW)

5/29/08 Water not getting to dist. box. Alarm working. (BB)

FINAL INSPECTOR B. Baker DATE OF APPROVAL 5/30/08

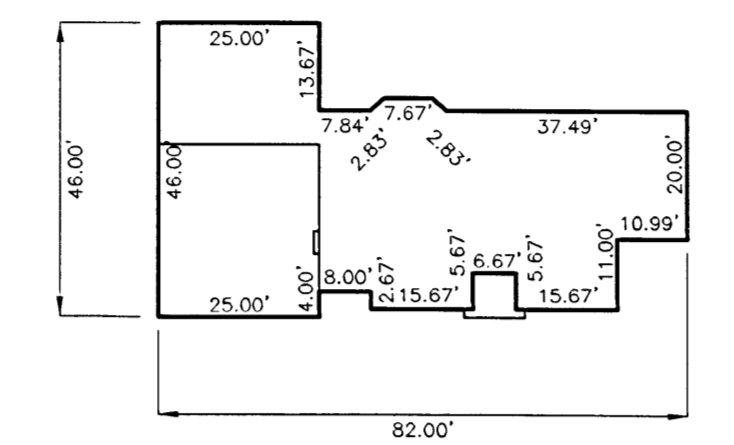
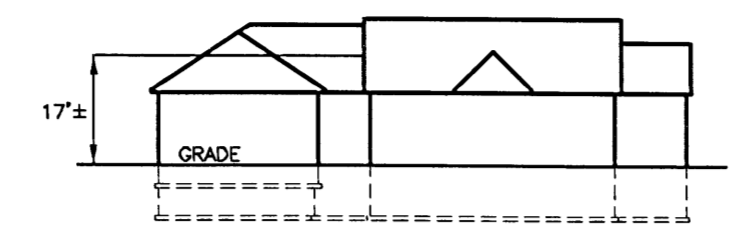
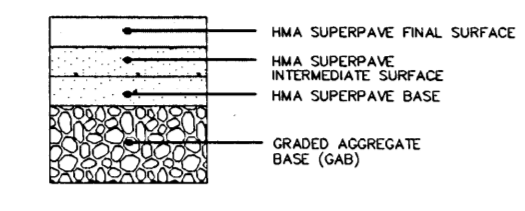
5/30/08 Pump and alarm working. (BB)



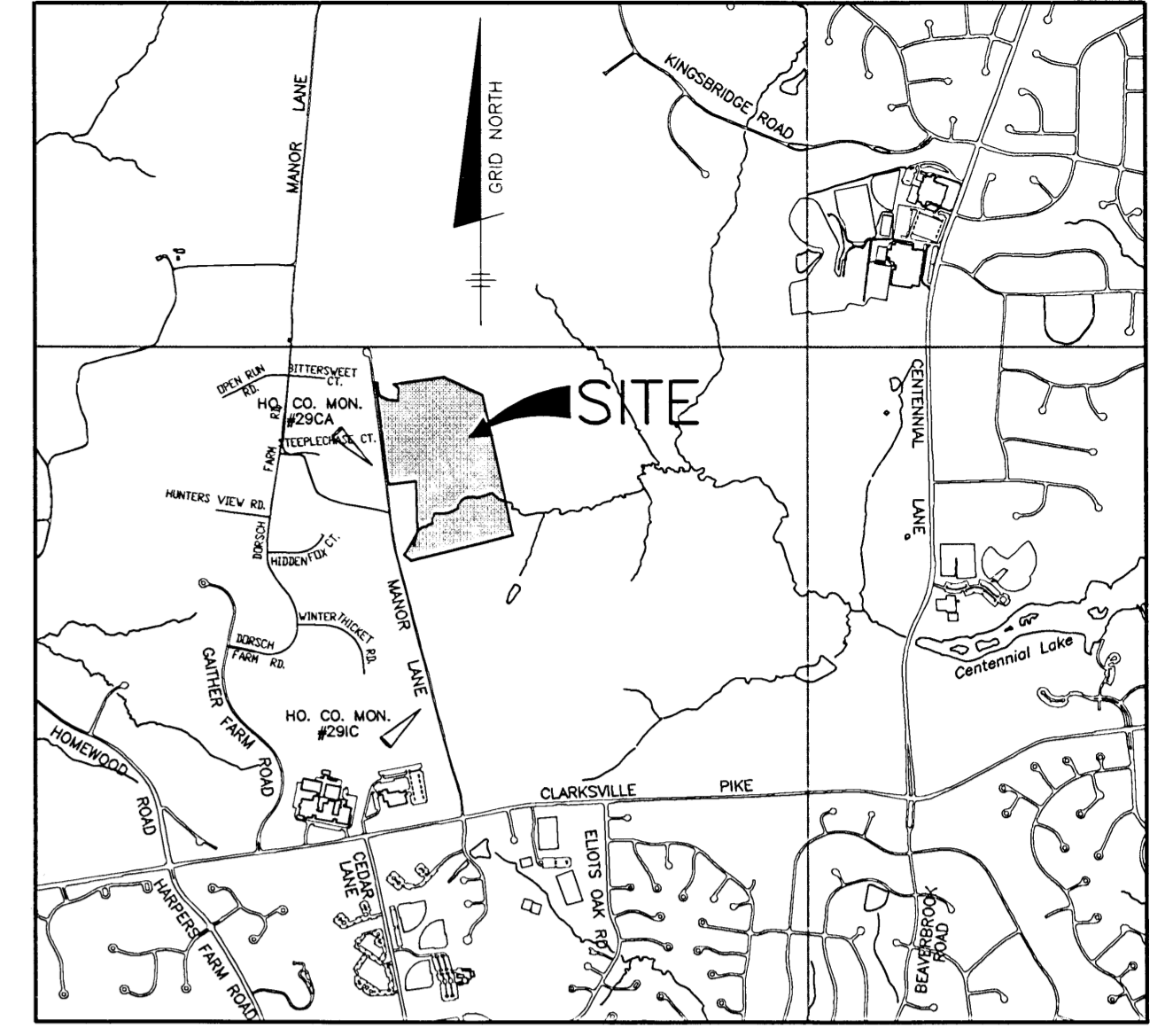
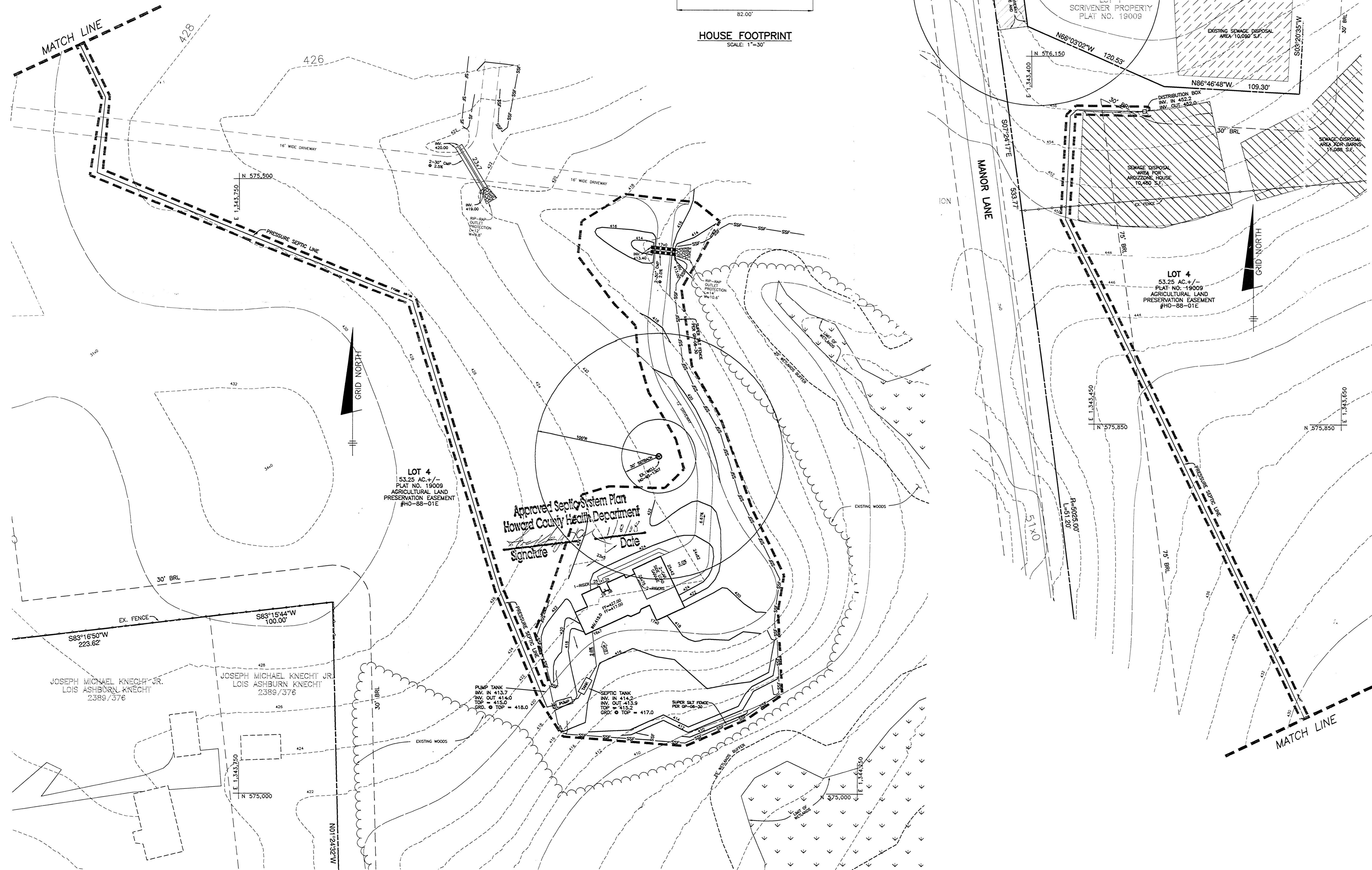
4515 12/24/07

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	CALIFORNIA BEARING RATIO (CBR)				
		3 TO <5 TO <7	5 TO 7	7 TO 9	9 TO 12	
P-1	PARKING BAYS, RESIDENTIAL AND NON-RESIDENTIAL PARKING DRIVE ASLES, RESIDENTIAL AND NON-RESIDENTIAL WITH NO MORE THAN 2 HEAVY TRUCKS PER DAY	PAVEMENT MATERIAL (INCHES)				
		HMA SUPERPAVE FINAL SURFACE	1.5	1.5	1.5	1.5
		9.5 MM PG 64-22, LEVEL 1 (ESAL)	NA	NA	NA	NA
		HMA SUPERPAVE INTERMEDIATE SURFACE (NA)	2.0	2.0	2.0	2.0
		HMA SUPERPAVE BASE				
		19.0 MM PG 64-22, LEVEL 1 (ESAL)				
		GRADED AGGREGATE BASE				
		8.5	7.0	5.0	4.0	

P-1 PAVING DETAIL



HOUSE FOOTPRINT  
SCALE: 1"=30'



VICINITY MAP  
SCALE: 1" = 2000'

NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON APRIL 24, 2007 AS PLAT NUMBER 19009. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT 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 PLAT SHALL NOT BE NECESSARY.
3. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PRECONSTRUCTION INSPECTION.
4. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
5. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-08-30 AND SHALL COMPLY WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
6. THE EXISTING WELL (TAG N. 140-86-1307) SHOWN ON THIS PLAN WAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON NOVEMBER 11, 2007 AND IS ACCURATELY SHOWN.
7. DRIVEWAY CULVERT COMPUTATIONS HAVE BEEN PROVIDED WITH THIS BUILDING PERMIT PLOT PLAN. THE CULVERTS SHALL BE 2-30" CMP OR EQUIVALENT.
8. STORMWATER MANAGEMENT SHALL BE ADDRESSED VIA ROOFTOP AND NON ROOFTOP DISCONNECTION CREDITS PER REPORT SUBMITTED WITH THIS PERMIT PLAN.

LEGEND

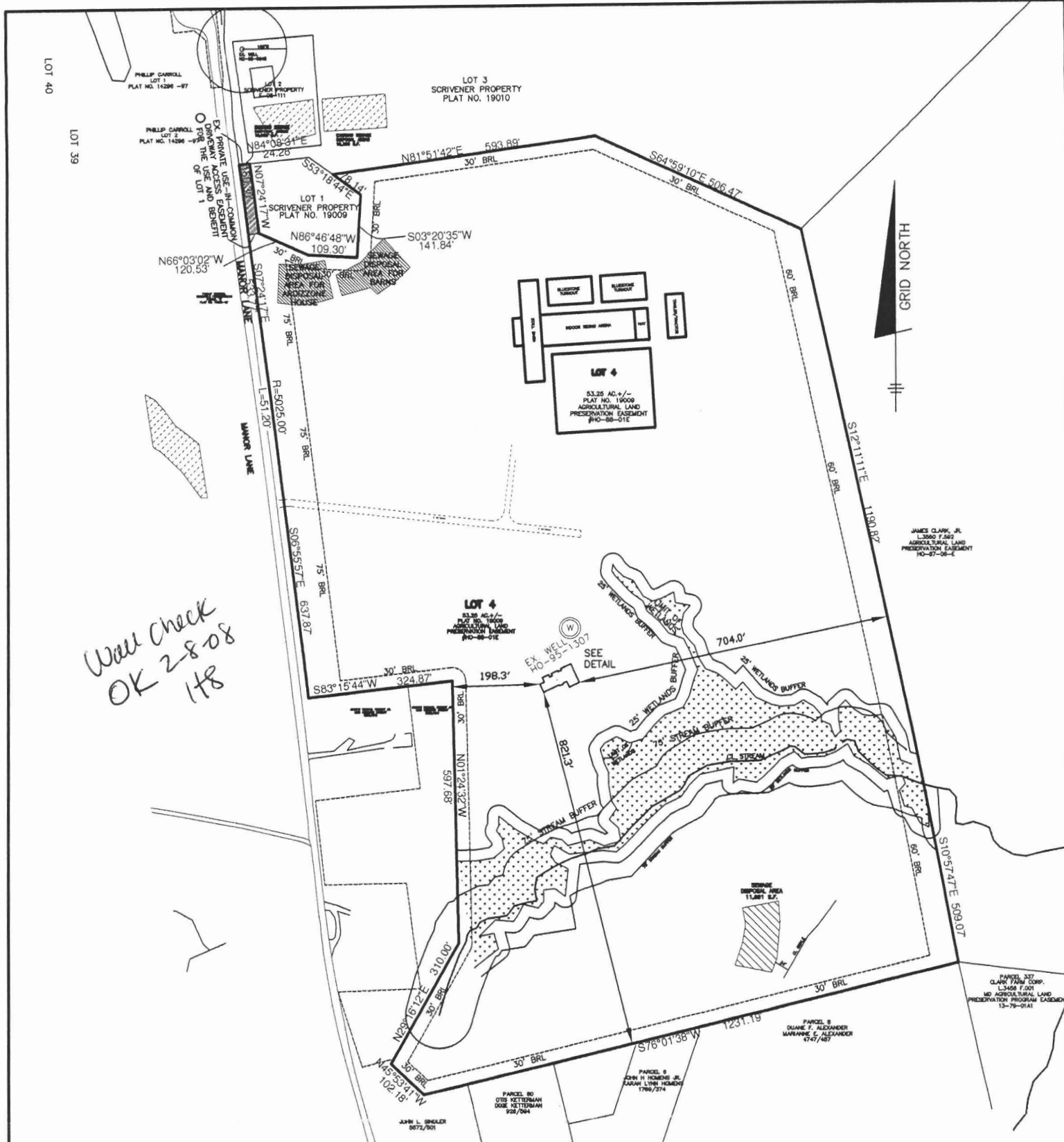
- EXISTING CONTOURS
- EXISTING TREELINE
- SEWERAGE DISPOSAL AREA
- EXISTING WETLANDS
- LIMIT OF DISTURBANCE UNDER THIS PERMIT PLAN
- SUPER SILT FENCE UNDER GP-08-30

Approved Septic System Plan  
Howard County Health Department  
Signature: \_\_\_\_\_ Date: 12/24/07

<b>BENCHMARK</b> ENGINEERS & LAND SURVEYORS & PLANNERS <b>ENGINEERING, INC.</b> 8400 BALTIMORE NATIONAL PIKE & SUITE 418 ELLICOTT CITY, MARYLAND 21043 PHONE: 410-465-0100 FAX: 410-465-6644 www.benchmarkengineering.com	<b>SCRIVENER PROPERTY</b> LOT 4 <b>PLOT PLAN FOR PERMIT</b>
	MANOR LANE TAX MAP 29, GRID 5 - PARCEL 19 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND <b>ARIZZONE RESIDENCE</b>
OWNER: <b>TM EVANKOVICH</b> 7230 LEE DEFOREST DRIVE SUITE 300 COLUMBIA, MARYLAND 21046	DATE: DECEMBER 24, 2007 PROJECT NO. 2040 SCALE: 1" = 40' DRAWING 1 OF 2



<p align="center"><b>BENCHMARK</b> ENGINEERS &amp; LAND SURVEYORS &amp; PLANNERS <b>ENGINEERING, INC.</b></p> <p align="center">840 BALTIMORE NATIONAL PIKE &amp; SUITE 418 ELLSWORTH CITY, MARYLAND 21043 PHONE: 410-465-6100 FAX: 410-465-6544 www.benchmarkeng.com</p> <p>OWNER: TIM DVANKOVICH 7230 LEE DEFOREST DRIVE SUITE 200 COLUMBIA, MARYLAND 21046</p>	<p><b>SCRIVENER PROPERTY</b> <b>LOT 4</b> <b>PLOT PLAN FOR PERMIT</b></p> <p>MANOR LANE TAX MAP 29, GRID 5 - PARCEL 19 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p>	
	<p><b>ARDIZZONE RESIDENCE</b></p>	
	<p>DATE: DECEMBER 24, 2007</p> <p>SCALE: 1" = 100'</p>	<p>PROJECT NO. 2040</p> <p>DRAWING 2 OF 2</p>



Wall Check  
OK 2-8-08  
H8

TOP OF FOUNDATION WALL ELEVATION = 426.0'  
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.2'

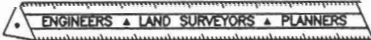
**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 01/29/08.

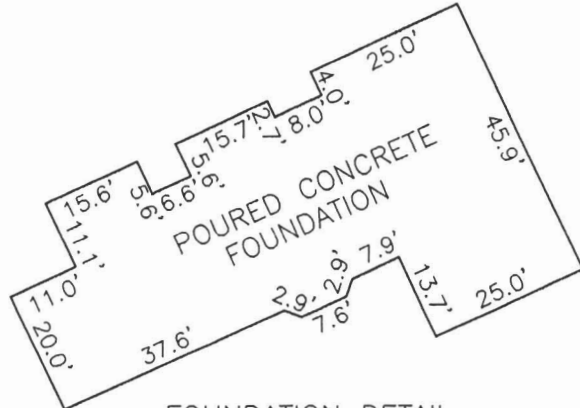
*Stephan Jalon 1/30/08*

STEPHAN JALON  
PROFESSIONAL LAND SURVEYOR  
MD REG. No. 10726  
FOR BENCHMARK ENGINEERING, INC.  
MD REG. No. 351  
FEMA FIRM No. 240044 0027 B  
ZONE: C  
DATED: 12/04/86

BENCHMARK



ENGINEERING, INC.  
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
phone: 410-465-6105 ▲ fax: 410-465-6644  
www.bei-civilengineering.com



FOUNDATION DETAIL  
SCALE: 1" = 30'  
WALL CHECK

**SCRIVENER PROPERTY  
LOTS 1 THRU 4  
PLAT No. 19009  
LOT No. 4**

4515 MANOR LANE

2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FIELD OBS. BY KLD  
COMP. BY EWF  
DRAWN BY EWF

SCALE: 1" = 300' DATE: 01/29/08