

LAYOUT _____ INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE:

7/25/06

PERMIT

P

525178

APPROVAL DATE:

A

523553

TAX ID #05-385202

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

ZEPPE

IS PERMITTED TO INSTALL ALTER

ADDRESS:

6344 TEN OAKS RD

PHONE NUMBER:

410-531-6712

SUBDIVISION:

LOT NUMBER:

ADDRESS:

6680 Guilford Road (Art Studio)

PROPERTY OWNER:

Paul Strain

SEPTIC TANK CAPACITY (GALLONS):

1000

OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS):

n/a

COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS:

SQUARE FEET PER BEDROOM:

210

LINEAR FEET OF TRENCH REQUIRED:

120

HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet <u>3.0</u> feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 7.0 feet below original grade. 5.0 feet of stone below distribution pipe.
LOCATION:	<u>55 W 120 N 15 E</u> <u>875 577 U</u>
NOTES:	Reinforce the pipe coming out of the house and into the tank due to gravel driveway over top.

PLANS APPROVED:

Sara Fegel

Reviewed by:

DATE:

3/13/06

NOTES: PERMIT VOID AFTER 2 YEARS

CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

WATERTIGHT SEPTIC TANKS REQUIRED

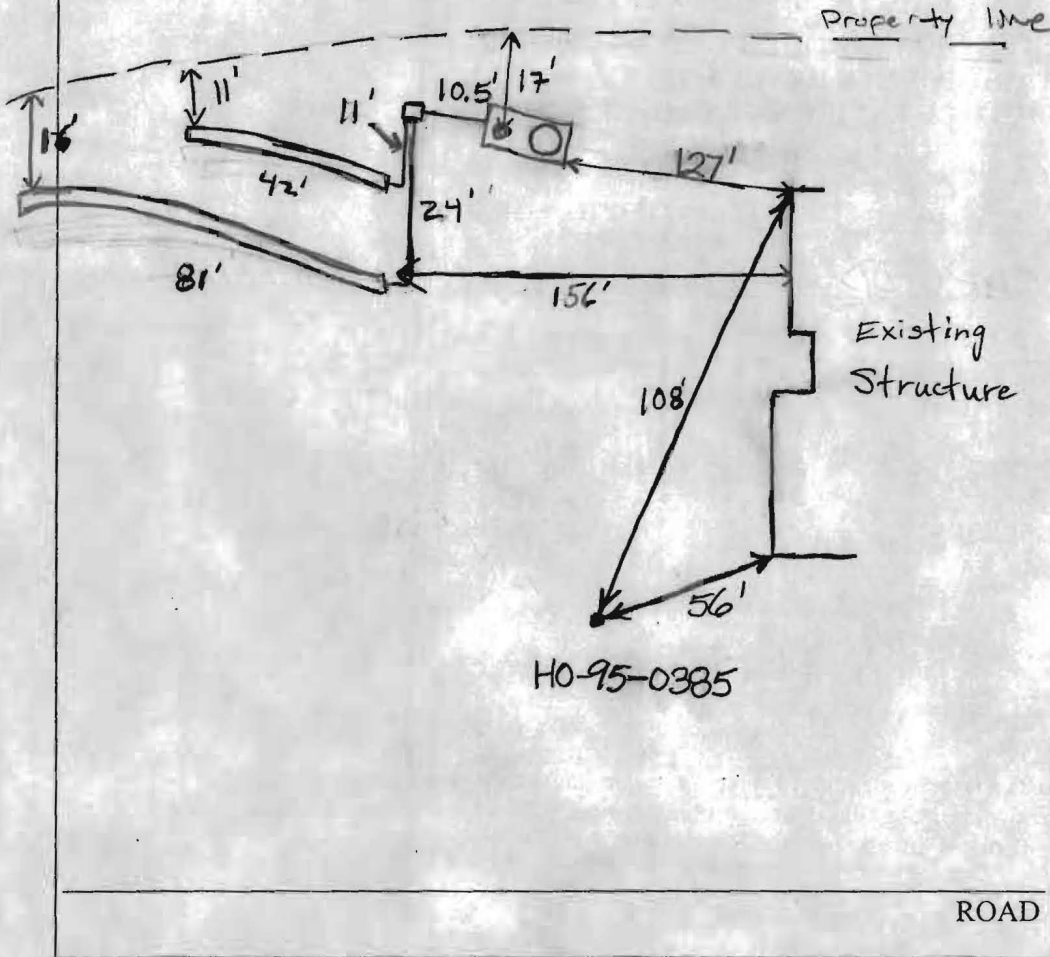
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED

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

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'-3.5'	4'	9'
NUMBER OF TRENCHES		2
TOTAL LENGTH		123'
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL <u>Covered</u>		
DISTRIBUTION BOX BAFFLE <u>Yes</u>		
DISTRIBUTION BOX PORT <u>No</u>		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>Yes</u>
CAPACITY	<u>1000</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>4'</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>No</u>
MANHOLE LOC	<u>Front</u>
6" PORT LOC	<u>Rear</u>
WATERTIGHT TEST	<u>No</u>
SEPTIC TANK 2 LEVEL	<u>N/A</u>
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION _____

INSTALLATION _____

8/16/2006 Contractor said that he used 3 loads of stone for system (66 tons). I calculated ~4.5 loads of stone (minimum required). Told contractor that he has to demonstrate that he used a sufficient amount of stone for trenches. (BB) 8/24/06 Contractor changed story and said that there had also been gravel that was hauled in from his shop that was in addition to the 3 loads he

FINAL INSPECTOR _____

DATE OF APPROVAL _____

had previously mentioned. Still need building connection. (BB)

SEPTIC SPEC SHEET
6680 Guilford Rd

Sq ft per bedroom = 210

Trench width = 3 feet

Depth = 8 feet

Tank capacity = 1250 gallons and a pump tank

NOTES: The first system is being designed with two trenches, one 40 foot and one 80 foot on contour starting at the highest point in the SDA. Tanks will be situated outside of the well radius near the side/bottom of SDA closest to Art Studio in order to achieve gravity to the tank.

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INSP 3 _____ INSP 6 _____

ISSUE DATE:

7/25/06

PERMIT

P 525178

APPROVAL DATE: _____

A Tank \$165.00
Replacement

TAX ID #05-385202

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

ZEPP

IS PERMITTED TO INSTALL ALTER

ADDRESS: _____

PHONE NUMBER: 410-531-6712

SUBDIVISION: _____

LOT NUMBER: _____

ADDRESS: 6680 Guilford Road

PROPERTY OWNER: Paul Strain

SEPTIC TANK CAPACITY (GALLONS): 1500

OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): n/a

COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: existing

HOUSE SERVED BY PUBLIC WATER

TRENCHES:	
LOCATION:	Existing house needs a new 1500 gallon septic tank or a 500 gallon piggy back tank to add to existing septic tank.
NOTES:	If new 1500 gallon septic tank is installed, old septic tank must be pumped and collapsed.

PLANS APPROVED: Sara Fegel

Reviewed by: _____

DATE: 3/13/06

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
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NOT TO SCALE

TRENCH/DRAINFIELD DATA

WIDTH _____ INLET _____ BOTTOM _____

NUMBER OF TRENCHES _____

TOTAL LENGTH _____

ABSORPTION AREA _____

DISTRIBUTION BOX LEVEL _____

DISTRIBUTION BOX BAFFLE _____

DISTRIBUTION BOX PORT _____

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes

CAPACITY Existing GAL

SEAM LOC Midseam

TANK LID DEPTH 5'-6'

BAFFLES _____

BAFFLE FILTER No

MANHOLE LOC None

6" PORT LOC Front+Rear

WATERTIGHT TEST No

SEPTIC TANK 2 LEVEL Yes

CAPACITY 500 GAL

SEAM LOC Top

TANK LID DEPTH 4'-4.5'

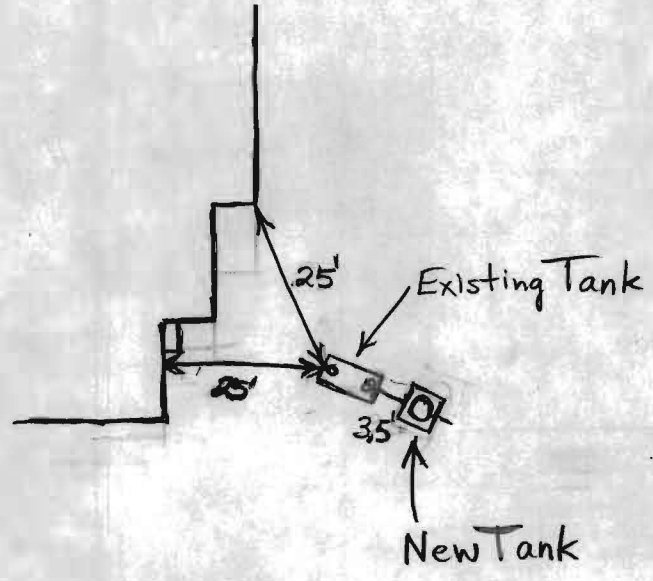
BAFFLES Yes

BAFFLE FILTER No

MANHOLE LOC Middle

6" PORT LOC None

WATERTIGHT TEST No



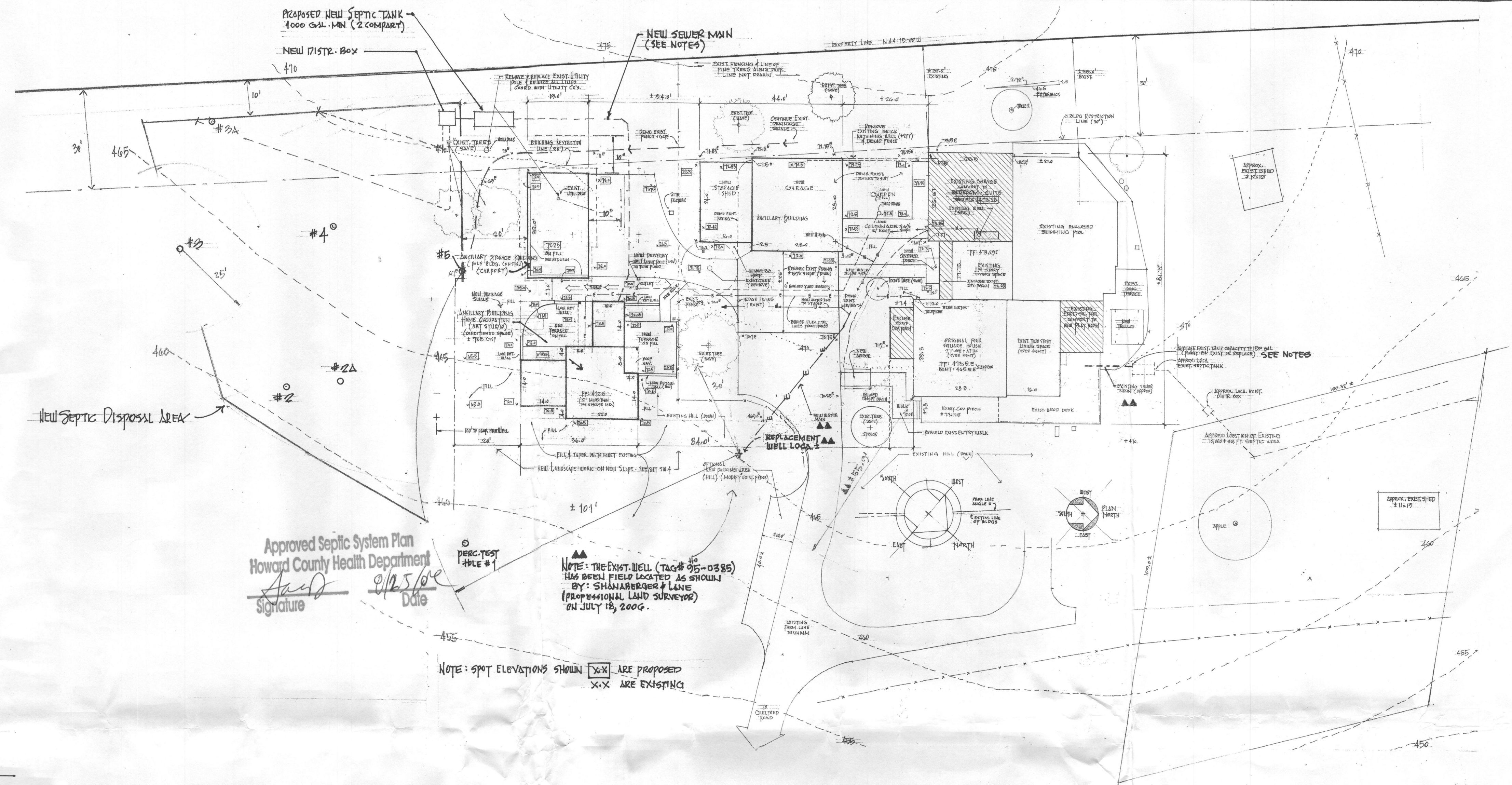
PRE-CONSTRUCTION _____

INSTALLATION 8/16/06 Additional 500 gallon tank connected to existing tank. O.K. to backfill. (BB)

FINAL INSPECTOR B. Baker DATE OF APPROVAL 8/16/06

SEPTIC SYSTEM DATA

Art Studio Floor Level	472.50
Sewer Invert at Bldg	468.50
Exist. Grade at Invert	468.50
New Grade at Invert	470.50
Cover (feet)	2
Sewer Main Fall (ft) (%)	1.5' in 90' 1.67%
Invert into Septic Tank	467.00
Outlet	466.60
Exist. Grade at Tank	471.00
Cover above Inlet (ft)	4
Dist. Box Inlet	466.30
Outlet	466.00
Exist. Grade at Box	470.50
Cover (feet)	4
Trench (high) INLET	466.0
GRADE / COVER	476.5 4.5'
Trench (low) INLET	465.0
GRADE / COVER	475.0 5'
Grade at Well	466.00±



Approved Septic System Plan
 Howard County Health Department
 Signature: [Signature]
 Date: 9/25/06

NOTE: THE EXIST. WELL (TAG# 95-0385)
 HAS BEEN FIELD LOCATED AS SHOWN
 BY: SHANBERGER & LANE
 (PROFESSIONAL LAND SURVEYOR)
 ON JULY 13, 2006.

NOTE: SPOT ELEVATIONS SHOWN
 X-X ARE PROPOSED
 X-X ARE EXISTING

GENERAL HEALTH DEPT. NOTES

1. The area labeled "New Septic Disposal Area" designates a 7141.3 square foot proposed private sewage disposal area. The sewage area does not meet the minimum requirements of a 10,000 square foot area set by the Maryland Department of the Environment, therefore use restrictions will be applied to the structure know as the "Ancillary Building for Home Occupation" or "Art Studio". Improvements of any nature in sewage area are restricted. This disposal area shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewer disposal area.
2. The Art Studio is not approved by the Howard County Health Department for use as occupancy: ie. apartment, studio apartment, in-law suite, or other similar description. Use is restricted to art related activities and/or those related to home occupation.
3. Existing well to be properly abandoned and new well drilled prior to building permit approval.
4. The property shown hereon complies with the minimum Ownership width and lot area as required by the Maryland State Department of the Environment.
5. Septic to be upgraded for existing house and installed for Art Studio prior to building permit approval.
6. Art Studio to include a new 1000-1250 gallon two-compartment septic tank.
7. The existing house septic system is to include a new 1500 gallon, two-compartment septic tank or a 500 gallon, additional/extension tank.
8. Sewer main located beneath driveway to be reinforced with additional gravel fill above pipe to full depth of trench.

PARTIAL
 SITE PLAN 1" = 20' HEALTH DEPT.
 #6680 GUILFORD ROAD CLARKSVILLE HOWARD COUNTY MD 21029
 LOT # 10 (MAP 35 - GRID 17 - PARCEL 300) GROUP B1
 ZONING: RR200 PLAT # 6665 AREA = 24+ ACRES
 ELEC. DIST. B
 NOTE: EXISTING SITE INFORMATION FROM LOCATION SURVEY BY KIPPE CONSULTANTS (1980)
 IS PROVIDED BY THE OWNER.
 (TOPOGRAPHICAL DATA: APPROXIMATED FROM COUNTY COMPOSITE MAP #180)
 SEE OVERALL SITE PLAN ON SEPARATE SHEET
 SEE SEPARATE SHEETS FOR SITE SPECIFICATIONS & DETAILS
 SEE COVER SHEET FOR GEN. NOTES & PROJECT OVERVIEW
 SEE "PERC CERTIFICATION PLAT" PREPARED BY
 SHANBERGER & LANE · ELLICOTT CITY MD

PROPOSED ADDITION TO THE
 STRAIN HOUSE

6680 GUILFORD ROAD CLARKSVILLE MD 21029

ISSUE	DATES
08 FEB 2006	
11 JUL 2006	

SHEET NO.
 SW.5
 OF 7

K M A

KEVIN MCKENNA ARCHITECTS

PO BOX 752 COLUMBIA MD 21045 TEL: 410.581.5817
 WWW.KEVINMCKENNA-ARCHITECT FAX: 410.581.0929