

LAYOUT 6/26/07 (K) INSP 4 _____
INSP 2 6/26/07 (K) INSP 5 _____
INSP 3 6/27/07 (K) INSP 6 _____

ISSUE DATE: 06/20/07

P 527225

APPROVAL DATE: 7/30/07

PERMIT

TAX ID #04-370716

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

Farm & Home Excavating IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: _____ PHONE NUMBER: 410-442-2139

SUBDIVISION: Farmington LOT NUMBER: 4

ADDRESS: 860 Bennett Road PROPERTY OWNER: Carlee Manor 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: 375 250'

TRENCHES:	Trench to be <u>3.0</u> feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at <u>4.5</u> feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Install distribution box at highest elevation (near lot corner at Penn Shop Road). Install 4 trenches equal in length. Locate septic tank & pump tank per plot plan.
NOTES:	Call for layout inspection

PLANS APPROVED: Robert Bricker DATE: 06/20/2007

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**

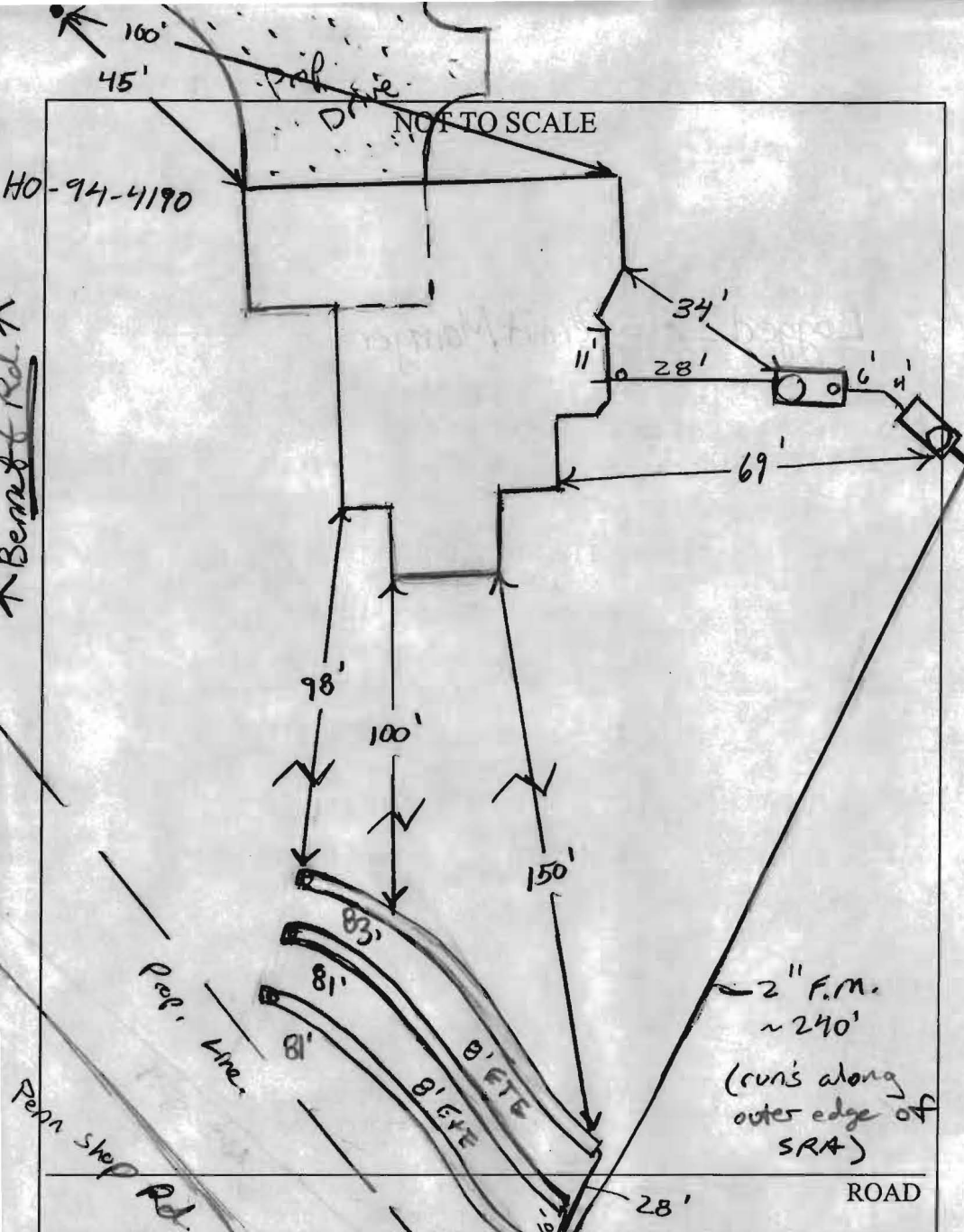
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM

BUILDING PERMIT SIGNED

AND RETURNED

6/20/07 130700 2298 1000 gal. 4 & LP tank



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2.5'	5'
NUMBER OF TRENCHES 3		
TOTAL LENGTH 245'		
ABSORPTION AREA 735'± SW		
DISTRIBUTION BOX LEVEL Yes		
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	2-3'
BAFFLES	1/R
BAFFLE FILTER	—
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	—
SEPTIC TANK 2 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	Front
BAFFLE FILTER	—
MANHOLE LOC	Rear
6" PORT LOC	None
WATERTIGHT TEST	—

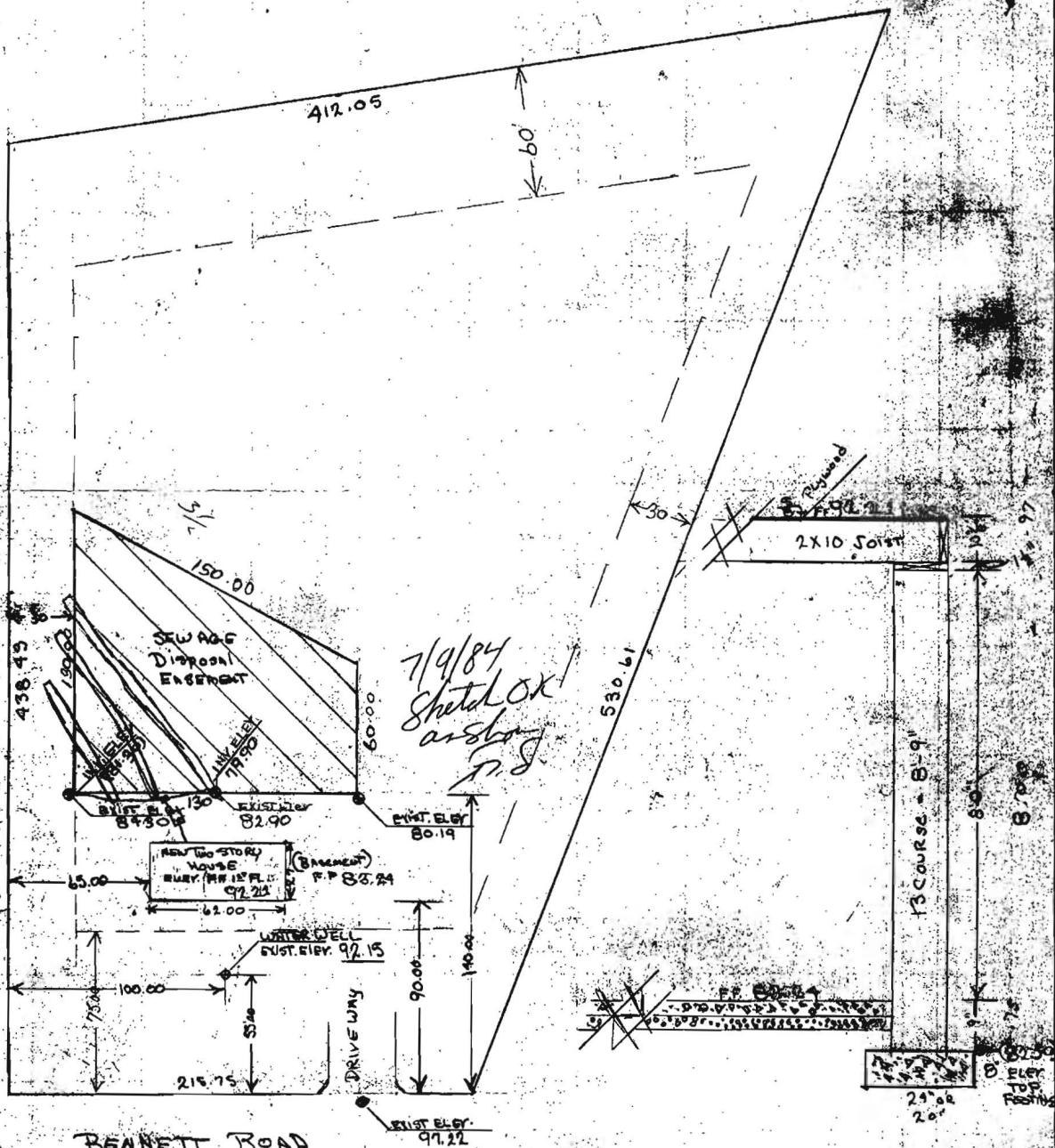
PRE-CONSTRUCTION 6/26/07 Contractor already has tanks set per plan along w/ the F.M. up to the D box. Shot contour for INSTALLATION three trenches. Place D box ~20' back from bottom corner of SRA. Changed trench spec to 3' wide. Install 3 x 82' trenches close to contour. Keep 8' edge-to-edge (Kw) 6/27/07. Trenches installed per installation. Approx 240' of f.m. req. Need P/A test. OK to back f.m. (120) 7/30/07 Pump and alarm working. (BB)

FINAL INSPECTOR

B. Baper

DATE OF APPROVAL

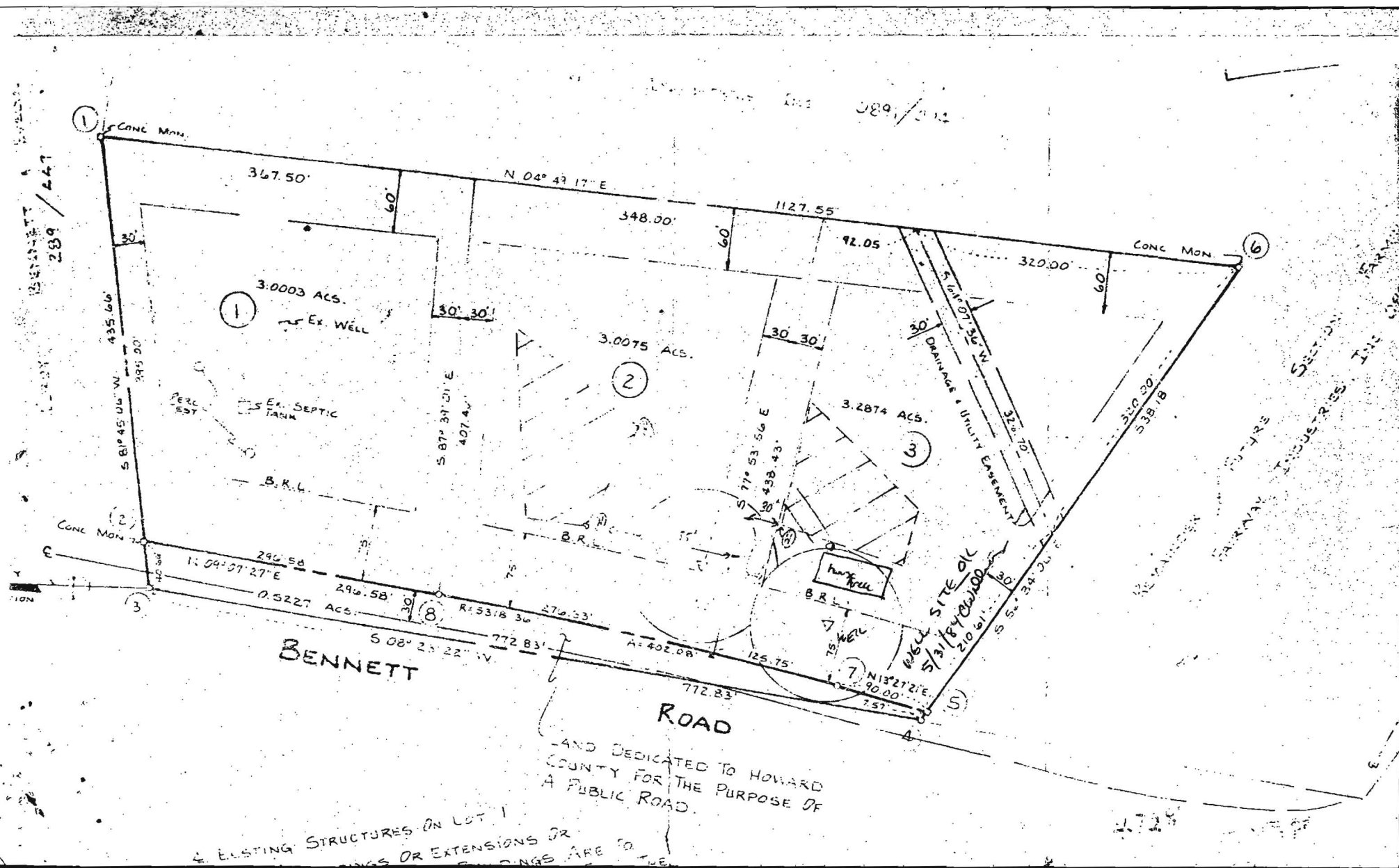
7/30/07



$5 \frac{1}{2} \times 4 \frac{1}{2} = 24 \frac{1}{4}$
 $5 \frac{1}{2} \times 3 \frac{1}{2} = 18 \frac{3}{4}$
 $5 \frac{1}{2} \times 2 \frac{1}{2} = 13 \frac{3}{4}$
 $5 \frac{1}{2} \times 1 \frac{1}{2} = 8 \frac{1}{4}$
 $5 \frac{1}{2} \times \frac{1}{2} = 2 \frac{3}{4}$

BENNETT ROAD
 FARMINGTON ESTATES LOT #3
 Scale 1" = 50'
 844 Bennett Rd
 MT Airy, Md 21771

Scale 1/2" = 1 foot



NAD 83

BENNETT ROAD
60' R/W

N 16°12'09" E
61.46'
N 26°02'08" E
117.36'

PENN SHOP ROAD
60' R/W

LOT 4
43,560 Sq. Ft. OR
1.000 Ac.±

EX. WELL
#HO-94-4190

POURED CONG.
FOUNDATION
TOP WALL=799.39

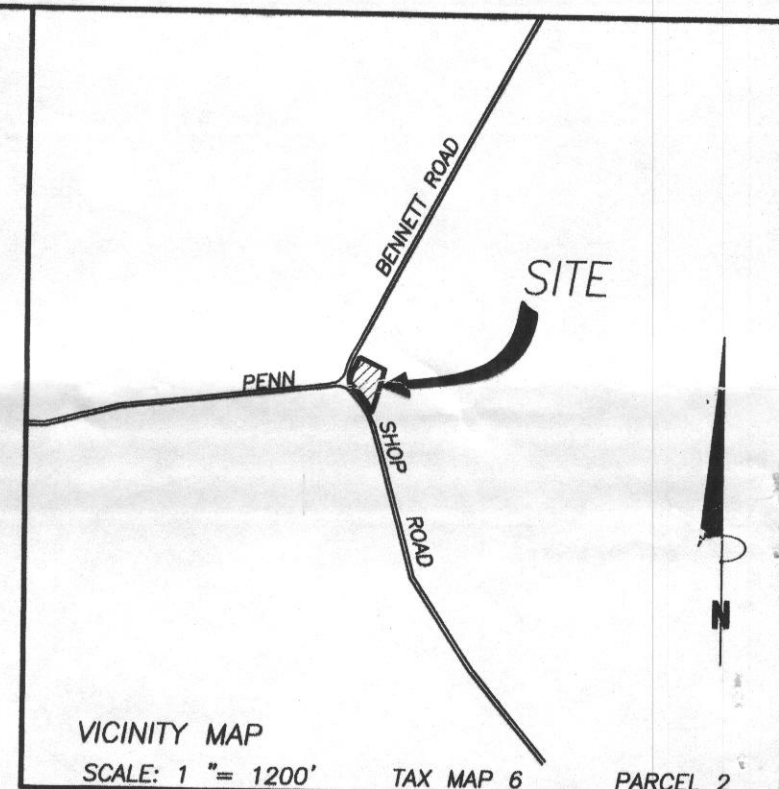
MODIFIED
SEPTIC AREA

1000 Gal.
Liquid Propane
Tank

WILLIAM T. SPICKNALL
L. 10242, F. 465

Approved Septic System Plan
Howard County Health Department

R. Bucher 6/20/2007
Signature Date



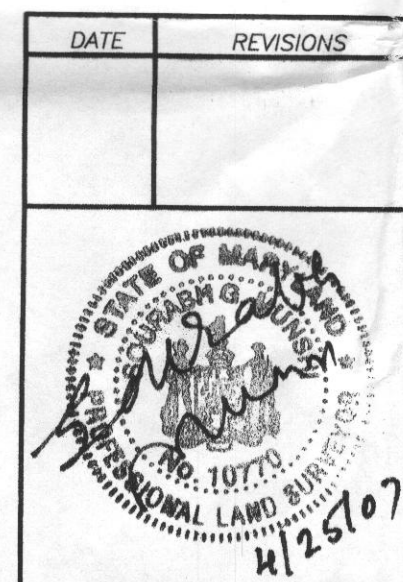
NOTES:

1. FOOTINGS AND FOUNDATION ARE IN PLACE AS SHOWN HEREON.
2. THE EXISTING WELL SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY VANMAR ASSOCIATES, INC. #HO-94-4190. PROFESSIONAL LAND SURVEYORS AND ACCURATELY SHOWN.
3. TOP OF WALL = 799.39

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

Sourabh G. Munshi 4/25/07
SOURABH G. MUNSHI, PROFESSIONAL LAND SURVEYOR
MARYLAND REGISTRATION NO. #10770 DATE

OWNER:
CARLEE MANOR LLC
C/O FORTY WEST BUILDERS INC.
3230 BETHANY LANE
SUITE 1
ELLCOTT CITY, MD. 21042



WALL CHECK DRAWING
LOT 4
FARMINGTON
MDR PLAT No. 18248

860 BENNETT ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' APRIL, 2007



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. Box 328 Mount Airy, Maryland 21771
(301) 829 2890 (301) 831 5015 (410) 549 2751

DRY WELL DATA

DOWN SPOUT (ROOF DRAIN)	DRYWELL No.	DRY WELL SIZE (4' DEPTH)	TOP OF OBSERVATION WELL	INVERT II DRY WELL
1	1	4.5' X 5.5'	ELEV.= 794.5'	ELEV.= 7927'
2	2	4.5' X 5.0'	ELEV.= 798.1'	ELEV.= 7963'
3	3	4.0' X 5.5'	ELEV.= 798.2'	ELEV.= 7964'
4	4	4.0' X 5.0'	ELEV.= 797.0'	ELEV.= 7952'
5	5	4.0' X 5.0'	ELEV.= 789.7'	ELEV.= 7379'
6	6	5.0' X 5.5'	ELEV.= 789.7'	ELEV.= 7879'
7	7	5.0' X 5.5'	ELEV.= 791.0'	ELEV.= 7892'
8	8	4.0' X 5.5'	ELEV.= 795.4'	ELEV.= 7936'

FOR CONSTRUCTION OF DRYWELLS REFER TO COUNTY DETAILS

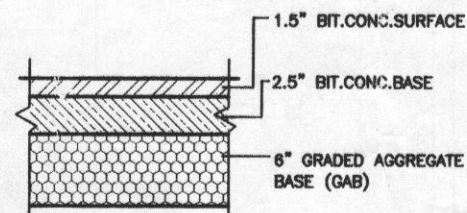
SEPTIC ELEVATIONS

PROPOSED HOUSE:
F.F. ELEV. = 800.0
BSMT. ELEV. = 790.0
GAR. ELEV. = 796.2
INV. OUT = 789.0

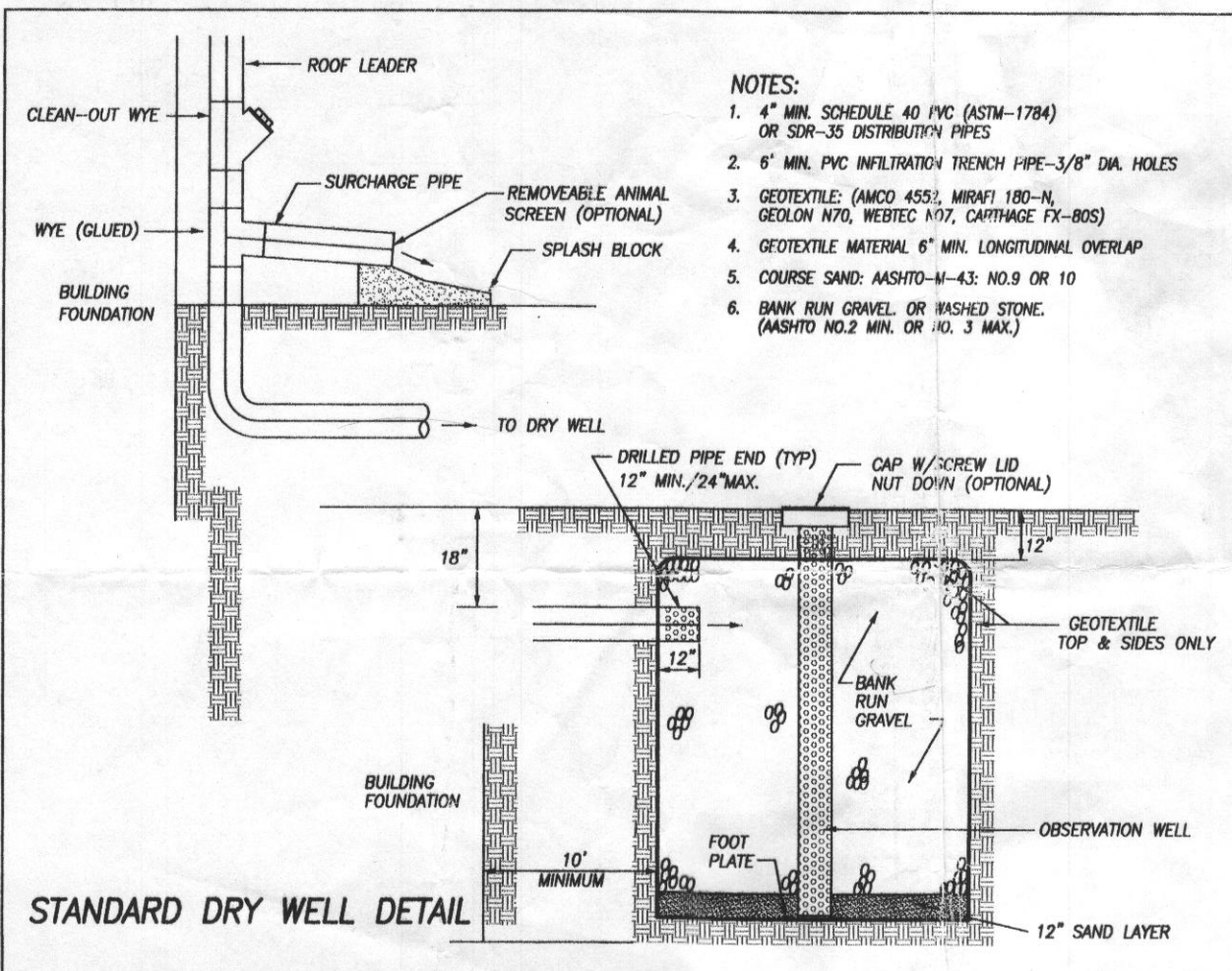
PROPOSED SEPTIC TANK:
EX GRD. ELEV. = 790.0
PROP. GRD. ELEV. = 790.0
INV. IN = 787.5
INV. OUT = 787.2

PROPOSED SEPTIC TANK W/PUMP:
EX GRD. ELEV. = 791.0
PROP. GRD. ELEV. = 791.0
INV. IN = 787.0

PROPOSED DISTRIBUTION BOX:
EX GRD. ELEV. = 804.5
INV. IN = 802.0
INV. OUT = 801.7



PAVING SECTION
(N.T.S.)



NOTES:

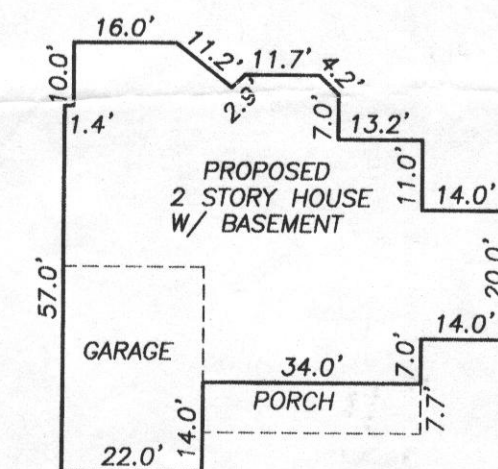
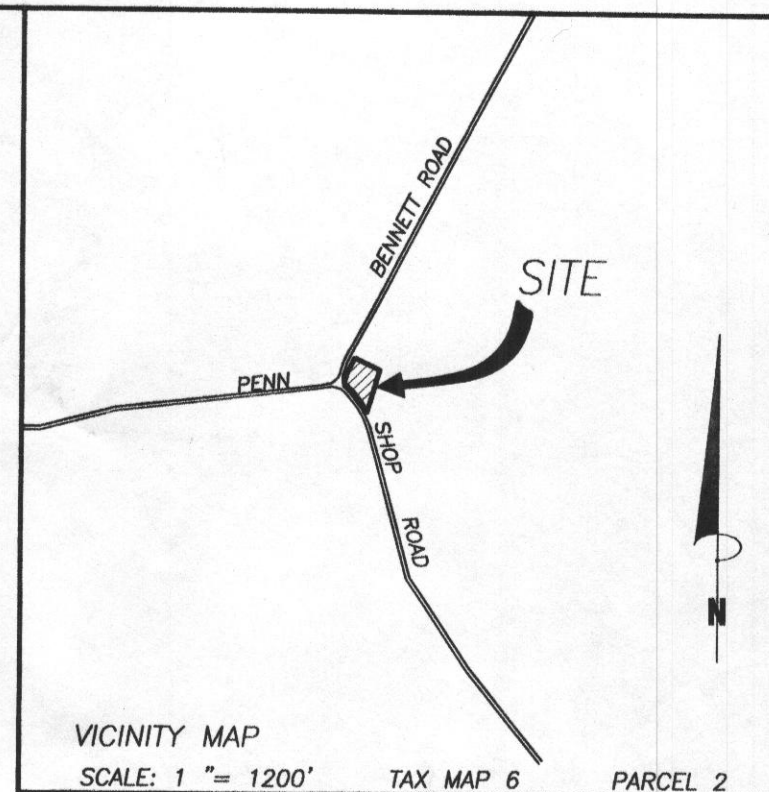
- 4" MIN. SCHEDULE 40 (ASTM-1784) OR SDR-35 DISTRIBUTION PIPES
- 6" MIN. PVC INFILTRATION TRENCH PIPE-3/8" DIA. HOLES
- GEOTEXTILE: (AMCO 455, MIRAF 180-N, GEOLON N70, WEBTEC N77, CARTRIDGE FX-BOS)
- GEOTEXTILE MATERIAL 6" MIN. LONGITUDINAL OVERLAP
- COURSE SAND: AASHTO-M-43, NO.9 OR 10
- BANK RUN GRAVEL OR WASHED STONE (AASHTO NO.2 MIN. OR NO. 3 MAX.)

APPROVED:
FOR PRIVATE WATER AND PRIVATE
SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

Robert J. Weber
HOWARD COUNTY HEALTH OFFICER

4/23/07
DATE

- (PASSED) PERCOLATION TEST SITE:
- (FAILED) PERCOLATION TEST SITE:
- EXISTING WELL:
- PROPOSED WELL SITE:



HOUSE DETAIL
1"=30'

NOTES:

- TOPOGRAPHY IS FIELD RUN BY VANMAR ASSOC., INC.
- ACTUAL LENGTH AND NUMBER OF TRENCHES FOR SEWERAGE ARE TO BE DETERMINED AT THE TIME OF SEPTIC SYSTEM PERMIT ISSUANCE.
- PROPOSED HOUSE IS 4 BEDROOM.
- LIMIT OF DISTURBANCE: (LOD) 16,571 Sq. Ft.
- THE EXISTING WELL SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY VANMAR ASSOCIATES, INC. HO-94-4190 PROFESSIONAL LAND SURVEYORS AND ACCURATELY SHOWN.
- STORMWATER MANAGEMENT HAS BEEN PROVIDED UNDER SECTION 52 & 5.3 OF THE 2000 MARYLAND DESIGN MANUAL.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THESE EASEMENTS 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 SEWAGE EASEMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

DATE	REVISIONS
4/18/07	County signature block



OWNER:
CARLEE MANOR LLC
C/O FORTY WEST BUILDERS INC.
3230 BETHANY LANE
SUITE 1
ELLCOTT CITY, MD. 21042

PLOT PLAN & REVISED PERCOLATION CERTIFICATION PLAN LOT 4

FARMINGTON

MDR PLAT No. 18248
SITUATED ON BENNETT ROAD & PENN SHOP ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' APRIL, 2007



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. Box 328 Mount Airy, Maryland 21771
(301) 828 2890 (301) 831 5015 (410) 549 2751

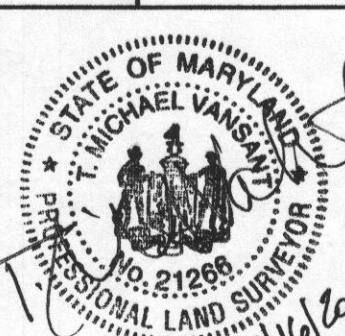
NAD 83

STORM WATER MANAGEMENT NOTES:
EXISTING CONDITION: GRASS = 43,560 SQ. FT.
PROPOSED CONDITIONS: GRASS = 38,620 SQ. FT.
IMPERVIOUS = 4,940 SQ. FT.

NET IMPERVIOUS DISTURBANCE IS LESS THAN 5,000 SQ. FT.
THEREFORE, NO STORM WATER MANAGEMENT IS REQUIRED.

OWNER:
CARLEE MANOR LLC
C/O FORTY WEST BUILDERS INC.
3230 BETHANY LANE
SUITE 1
ELLCOTT CITY, MD. 21042

DATE	REVISIONS

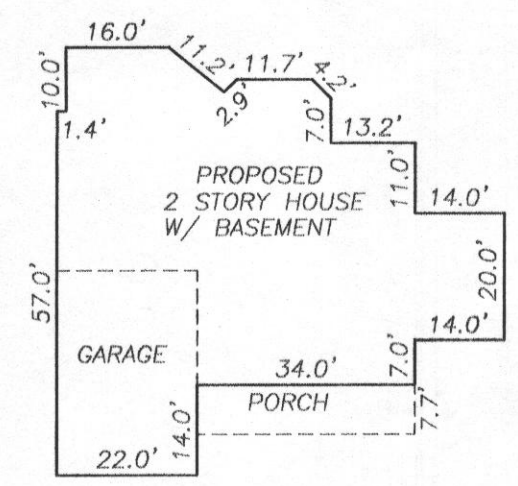
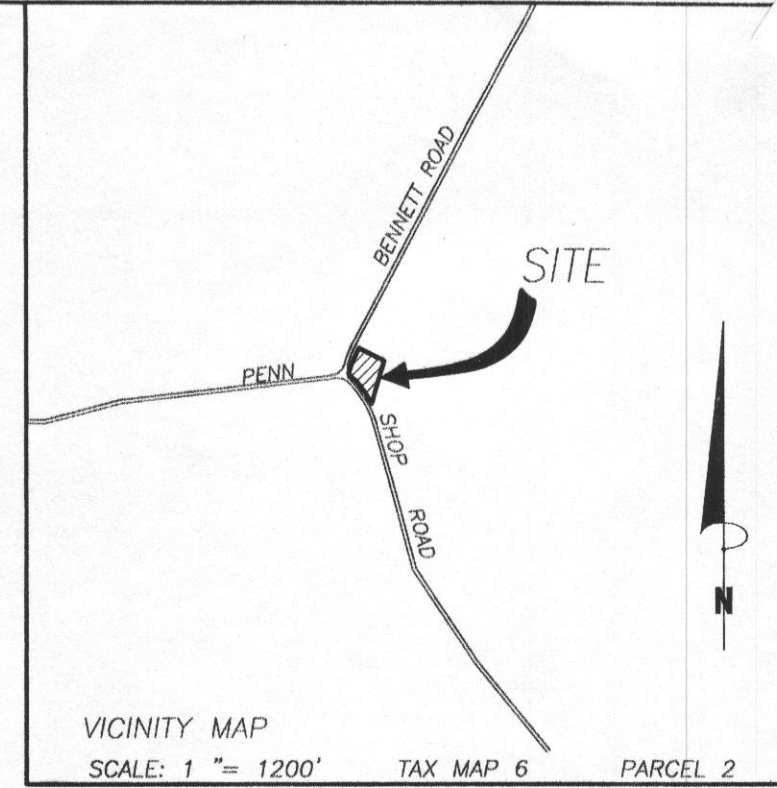


7/16/2007

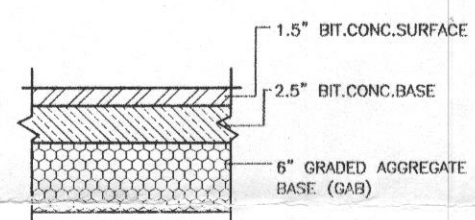
REVISED PLOT PLAN
LOT 4
FARMINGTON
MDR PLAT No. 18248
SITUATED ON BENNETT ROAD & PENN SHOP ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' MARCH, 2007



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. Box 328 Mount Airy, Maryland 21771
(301) 829 2890 (301) 831 5015 (410) 548 2751



HOUSE DETAIL
1" = 30'



PAVING SECTION
(N.T.S.)

SEPTIC ELEVATIONS

PROPOSED HOUSE:
F.F. ELEV. = 800.0
BSMT. ELEV. = 790.0
GAR. ELEV. = 796.2
INV. OUT = 789.0

PROPOSED SEPTIC TANK:
EX GRD. ELEV. = 790.0
PROP. GRD. ELEV. = 790.0
INV. IN = 787.5
INV. OUT = 787.2

PROPOSED SEPTIC TANK W/PUMP:
EX GRD. ELEV. = 791.0
PROP. GRD. ELEV. = 791.0
INV. IN = 787.0

PROPOSED DISTRIBUTION BOX:
EX GRD. ELEV. = 804.5
INV. IN = 802.0
INV. OUT = 801.7

NOTES:

- TOPOGRAPHY IS FIELD RUN BY VANMAR ASSOC., INC.
- ACTUAL LENGTH AND NUMBER OF TRENCHES FOR SEWERAGE ARE TO BE DETERMINED AT THE TIME OF SEPTIC SYSTEM PERMIT ISSUANCE.
- PROPOSED HOUSE IS 4 BEDROOM.
- LIMIT OF DISTURBANCE: (LOD) 16,571 Sq. Ft.
- THE EXISTING WELL SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY VANMAR ASSOCIATES, INC. HO-94-4190 PROFESSIONAL LAND SURVEYORS AND ACCURATELY SHOWN.

Approved Septic System Plan
Howard County Health Department

R. Bush
Signature

7/25/2007
Date

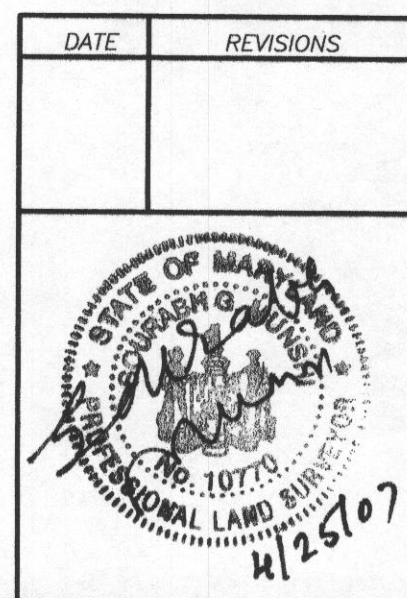
PT#9



I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

Sourabh G. Munshi 4/25/07
SOURABH G. MUNSHI, PROFESSIONAL LAND SURVEYOR
MARYLAND REGISTRATION NO. #10770

OWNER:
CARLEE MANOR LLC
C/O FORTY WEST BUILDERS INC.
3230 BETHANY LANE
SUITE 1
ELLICOTT CITY, MD. 21042

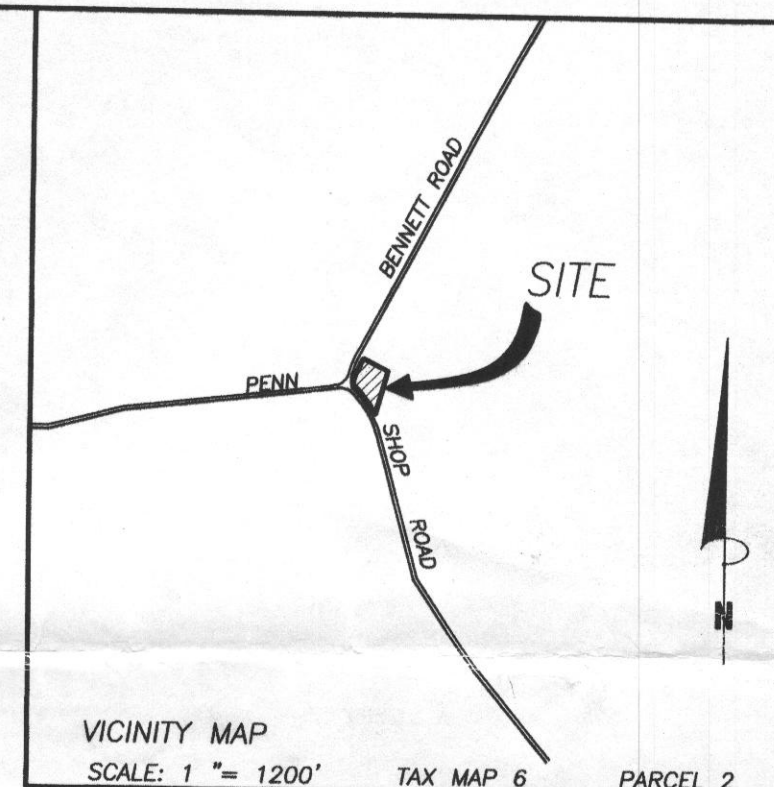


WALL CHECK DRAWING
LOT 4
FARMINGTON
MDR PLAT No. 18248

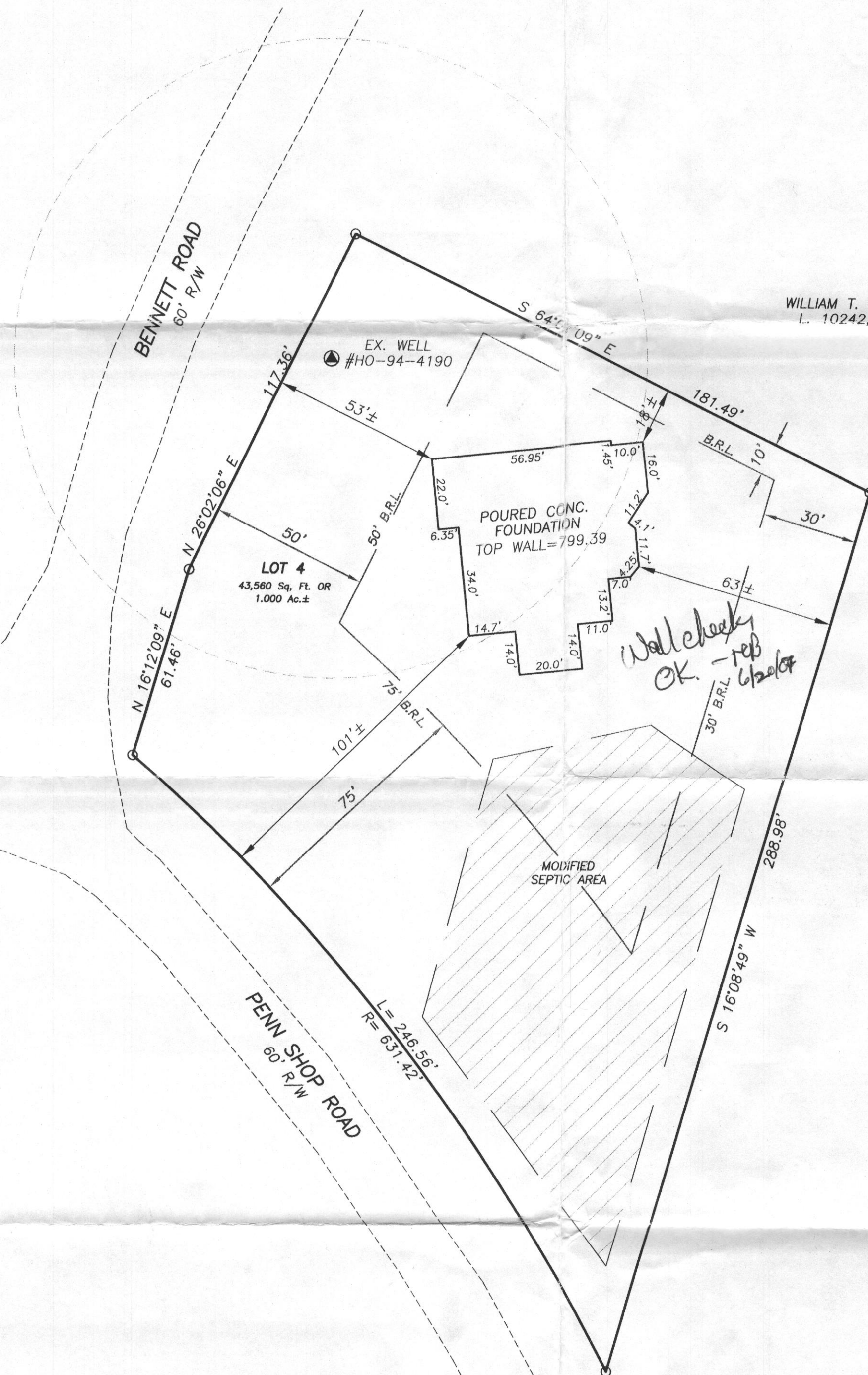
860 BENNETT ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' APRIL, 2007



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. Box 328 Mount Airy, Maryland 21771
(301) 829 2880 (301) 831 5015 (410) 549 2751



- NOTES:
1. FOOTINGS AND FOUNDATION ARE IN PLACE AS SHOWN HERERON.
 2. THE EXISTING WELL SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY VANMAR ASSOCIATES, INC. #HO-94-4190. PROFESSIONAL LAND SURVEYORS AND ACCURATELY SHOWN.
 3. TOP OF WALL = 799.39



DRY WELL DATA				
DOWN SPOUT (ROOF DRAIN)	DRYWELL No.	DRY WELL SIZE (4' DEPTH)	TOP OF OBSERVATION WELL	INVERT IN DRY WELL
1	1	4.5' X 5.5'	ELEV.= 794.5'	ELEV.= 792.7'
2	2	4.5' X 5.0'	ELEV.= 798.1'	ELEV.= 796.3'
3	3	4.0' X 5.5'	ELEV.= 798.2'	ELEV.= 796.4'
4	4	4.0' X 5.0'	ELEV.= 797.0'	ELEV.= 795.2'
5	5	4.0' X 5.0'	ELEV.= 789.7'	ELEV.= 787.9'
6	6	5.0' X 5.5'	ELEV.= 789.7'	ELEV.= 787.9'
7	7	5.0' X 5.5'	ELEV.= 791.0'	ELEV.= 789.2'
8	8	4.0' X 5.5'	ELEV.= 795.4'	ELEV.= 793.6'

FOR CONSTRUCTION OF DRYWELLS REFER TO COUNTY DETAILS

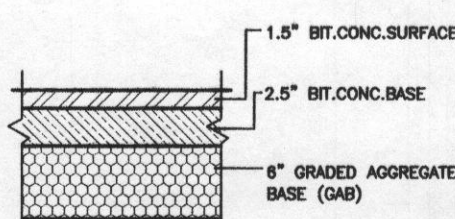
SEPTIC ELEVATIONS

PROPOSED HOUSE:
F.F. ELEV. = 800.0
BSMT. ELEV. = 790.0
GAR. ELEV. = 796.2
INV. OUT = 789.0

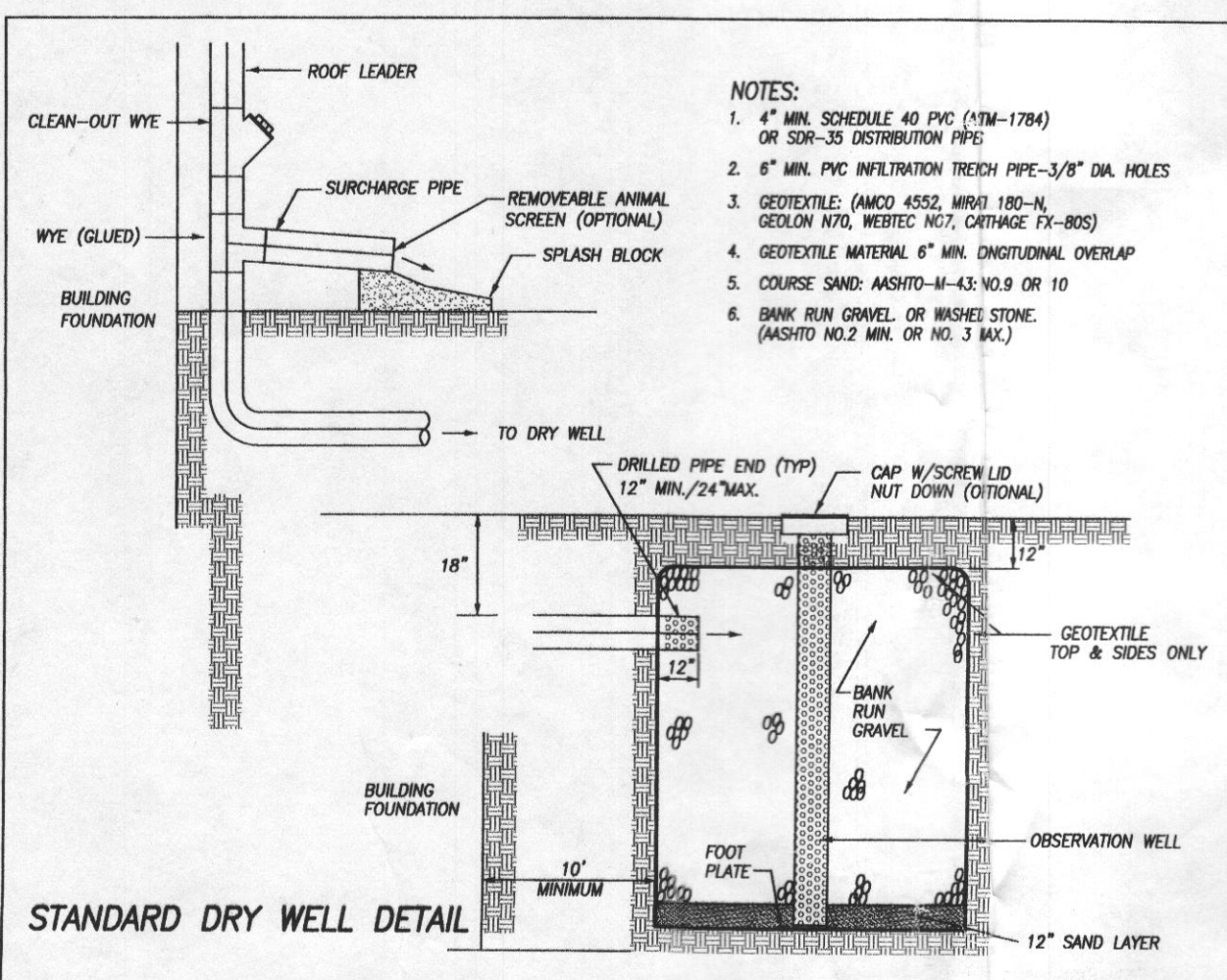
PROPOSED SEPTIC TANK:
EX GRD. ELEV. = 790.0
PROP. GRD. ELEV. = 790.0
INV. IN = 787.5
INV. OUT = 787.2

PROPOSED SEPTIC TANK W/PUMP:
EX GRD. ELEV. = 791.0
PROP. GRD. ELEV. = 791.0
INV. IN = 787.0

PROPOSED DISTRIBUTION BOX:
EX GRD. ELEV. = 804.5
INV. IN = 802.0
INV. OUT = 801.7



PAVING SECTION
(N.T.S.)



NOTES:

- 4" MIN. SCHEDULE 40 PVC (STM-1784) OR SDR-35 DISTRIBUTION PIPE
- 6" MIN. PVC INFILTRATION TRENCH PIPE-3/8" DIA. HOLES
- GEOTEXTILE: (MCO 4552, WPA 180-N, GEOLON N70, WEBTEC N07, CARTHAGE FX-80S)
- GEOTEXTILE MATERIAL 6" MIN. LONGITUDINAL OVERLAP
- COURSE SAND: AASHTO-M-43-10.9 OR 10
- BANK RUN GRAVEL OR WASHED STONE (AASHTO NO.2 MIN. OR NO. 3 MAX.)

APPROVED:
FOR PRIVATE WATER AND PRIVATE
SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

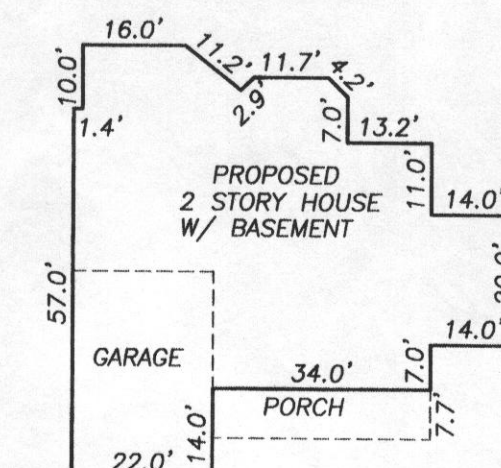
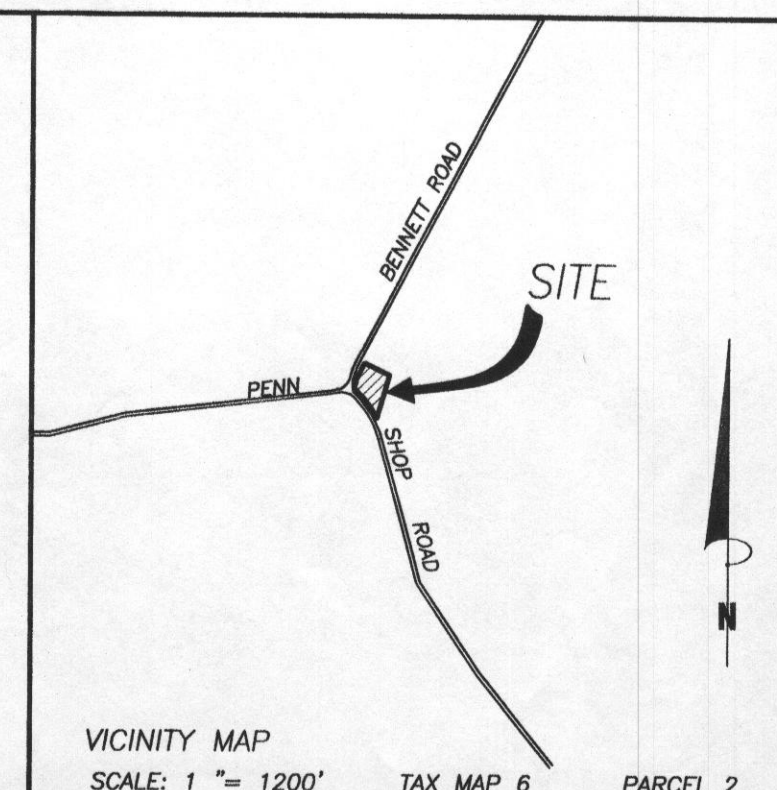
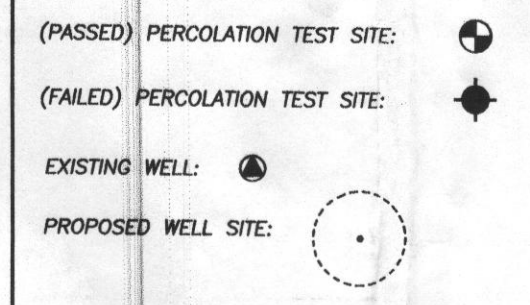
Robert W. Nelson
HOWARD COUNTY HEALTH OFFICER

DATE

4/23/07

rob

ngoe



HOUSE DETAIL
1"=30'

NOTES:

- TOPOGRAPHY IS FIELD RUN BY VANMAR ASSOC., INC.
- ACTUAL LENGTH AND NUMBER OF TRENCHES FOR SEWERAGE ARE TO BE DETERMINED AT THE TIME OF SEPTIC SYSTEM PERMIT ISSUANCE.
- PROPOSED HOUSE IS 4 BEDROOM.
- LIMIT OF DISTURBANCE: (LOD) 16,571 Sq. Ft.
- THE EXISTING WELL SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY VANMAR ASSOCIATES, INC. HO-94-4190 PROFESSIONAL LAND SURVEYORS AND ACCURATELY SHOWN.
- STORMWATER MANAGEMENT HAS BEEN PROVIDED UNDER SECTION 5.2 & 5.3 OF THE 2000 MARYLAND DESIGN MANUAL.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THESE EASEMENTS 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 SEWAGE EASEMENTS. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

DATE	REVISIONS
4/18/07	County signature block



OWNER:
CARLEE MANOR LLC
C/O FORTY WEST BUILDERS INC.
3230 BETHANY LANE
SUITE 1
ELLICOTT CITY, MD. 21042

PLOT PLAN & REVISED PERCOLATION CERTIFICATION PLAN

LOT 4

FARMINGTON

MDR PLAT No. 18248
SITUATED ON BENNETT ROAD & PENN SHOP ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' APRIL, 2007



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. Box 328 Mount Airy, Maryland 21771
(301) 829 2890 (301) 831 5015 (410) 549 2751