

LAYOUT 9/24/03 11:30 INSP 4 _____
 INSP 2 9/25/03 11AM INSP 5 _____
 INSP 3 9/29/03 4PM INSP 6 _____

ISSUE DATE: 9/23/2003 P 519586

APPROVAL DATE: 9/29/03 **PERMIT INDEXED # 320085^A** 50411-B

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

Farm & Home Excavating, Inc _____ IS PERMITTED TO INSTALL ALTER

ADDRESS: 901 Driver Rd, Marriottsville PHONE NUMBER: 410-442-2139

SUBDIVISION: Johnson Property (C R Naples) LOT NUMBER: 20-B

ADDRESS: 1781 Long Corner Road PROPERTY OWNER: Forty West Group, Inc

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 300

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at _____ feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place distribution box as shown on plan. Septic tank to be no deeper than 3 feet. Run 3 - 100' trench at highest elevation in Sewage Disposal Area.
NOTES:	Deeper trench systems for lower area septic repairs. No gravity basement service.

PLANS APPROVED: Kacie Noonan DATE: 7/21/2003

- 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
BUILDING PERMIT SIGNED 313-2640 FOR INSPECTION OF SEPTIC SYSTEM
AND RETURNED

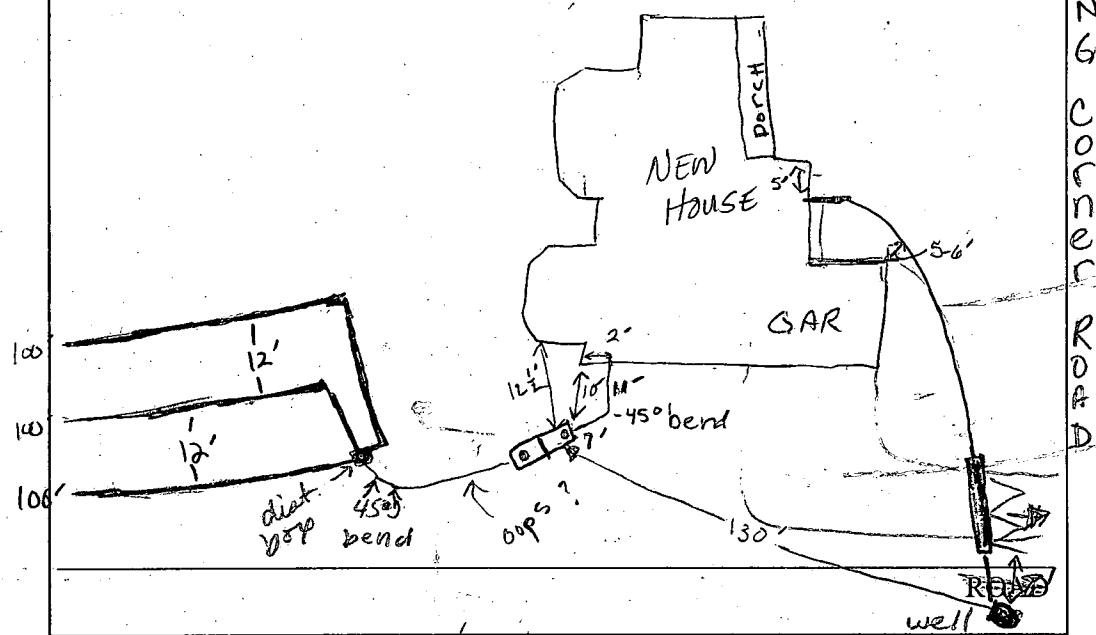
10-1-03 800144292-UG PROPANE TANK

A50411-B

NOT TO SCALE

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	6"
NUMBER OF TRENCHES		3
TOTAL LENGTH		200'
ABSORPTION AREA		90 ft ²
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input type="checkbox"/>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	yeo
CAPACITY	1250 GAL
SEAM LOC	top
TANK LID DEPTH	12-18'
BAFFLES	yes
BAFFLE FILTER	No
MANHOLE LOC	f+B
6" PORT LOC	None
WATERTIGHT TEST	NA
SEPTIC TANK 2 LEVEL	NA
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____



PRE-CONSTRUCTION 9/24/03 - SRA staked, contours accurate. Install
 Trenches per B.P. (SD) 9/25/03 Septic tank location & d. box
 INSTALLATION per plan. OK to cover all work. Well cap not
 ready - re-insp 8' distance gravel drive to well but location should
 be okay. (KN) 9/29/03 OK to cover all work (KB/so)

BUILDING PERMIT SIGNED
 AND RETURNED

FINAL INSPECTOR King Bell DATE OF APPROVAL 9/29/03

C1 14323 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER 13 A50411

ST/CO USE ONLY DATE RECEIVED 05 21 03

DATE WELL COMPLETED 5 22 03 DEPTH OF WELL 280 (TO NEAREST FOOT)

PERMIT NO. FROM PERMIT TO DRILL WELL 44-3653

OWNER Costello Patrick STREET OR RFD Johnson Prop TOWN Mt. Airy SECTION LOT 20B

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Shale, Brown Slate, Blue Slate, and Flint Rock.

GROUTING RECORD form with fields for WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD form with fields for casing types (STEEL, CONCRETE, PLASTIC, OTHER), MAIN CASING TYPE, Nominal diameter, Total depth.

OTHER CASING table with columns: E, A, C, H, C, A, S, I, N, G, diameter, depth.

SCREEN RECORD form with fields for screen type (STEEL, BRASS, BRONZE, PLASTIC, OPEN HOLE, OTHER), DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN.

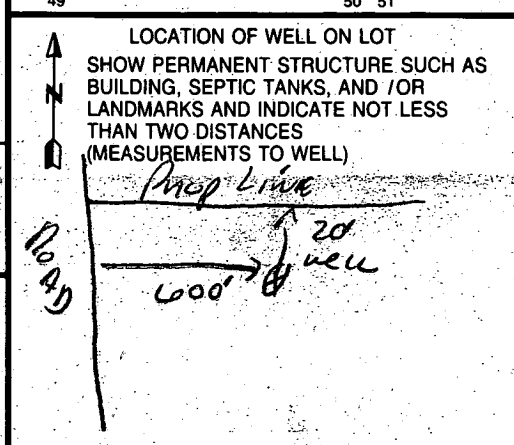
Table for well status: NUMBER OF UNSUCCESSFUL WELLS (0), WELL HYDROFRACTURED (Y/N), and a grid for well depth (1-76 ft).

GRAVEL PACK and MDE USE ONLY sections. Includes fields for GRAVEL PACK, MDE USE ONLY (T, W, Q), TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

DRILLERS LIC. NO. M SD 112, DRILLERS SIGNATURE, LIC. NO. D, SITE SUPERVISOR section.

PUMPING TEST form with fields for HOURS PUMPED (3), PUMPING RATE (8.5), METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL (BEFORE PUMPING 50, WHEN PUMPING 90), TYPE OF PUMP USED (S).

PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED PLACE (29), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (+), LAND SURFACE (2).



B 1 2464

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HD-94-3653

W518559 please type

fill in this form completely.

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

Constello Patrick

3230 Bethany LA Suite I

Ellicott City MD 21042

B 3

LOCATION OF WELL

Howard

Johnson Property

20B

MT Arny

DRILLER INFORMATION

Ralph E. Mayne MSD 117

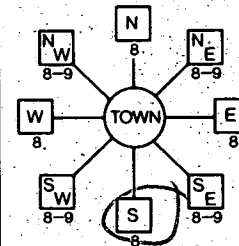
Ralph E. Mayne well Drilling

17024 Handy Rd Mt Arny MD 21271

Signature Date 2-24-03

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Long Corner Rd

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

600

DISTANCE FROM ROAD ENTER FT OR MI

TAX MAP: 6 BLK: PARCEL 224

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation (circled)
Farming (Livestock Watering & Agricultural Irrigation)
Industrial, Commercial, Dewatering
Public Water Supply Well
Test, Observation, Monitoring
Geo-Thermal

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

13 A 50411

COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S

DATE ISSUED 03/10/03 Kacie Noonan 3/10/04

43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID 5460000 EAST GRID 756000

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)

- Bored (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTARY Drive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL (circled)
THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER G

PERMIT No. HD-94-3653

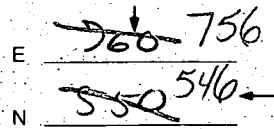
SPECIAL CONDITIONS 410-418-8900

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

50411A

COUNTY #

(2 SHEETS A & B!)

LOT 10A

Generally increasing channels with increasing depth

SOIL PROFILE F, E, I, A

0' - Yel Brn SiCL
- Yel Red SiCL
Red ch CL
Mix

5' - 6' - Mix yel silt
tan red tan
channeery
loams

8' - Tan pale
yel red
ch loams

13 1/2'

SOIL PROFILE K, D, I, B

15' - yel brn SiCL

4' - Mix Red
on tan
ch SiCL-hL

4' - grey streaks
of phyllite
spherulites
bonded in above
ch SiCL-L

channeery
ca-25%
sized
small (<1")
- Mix (<6")

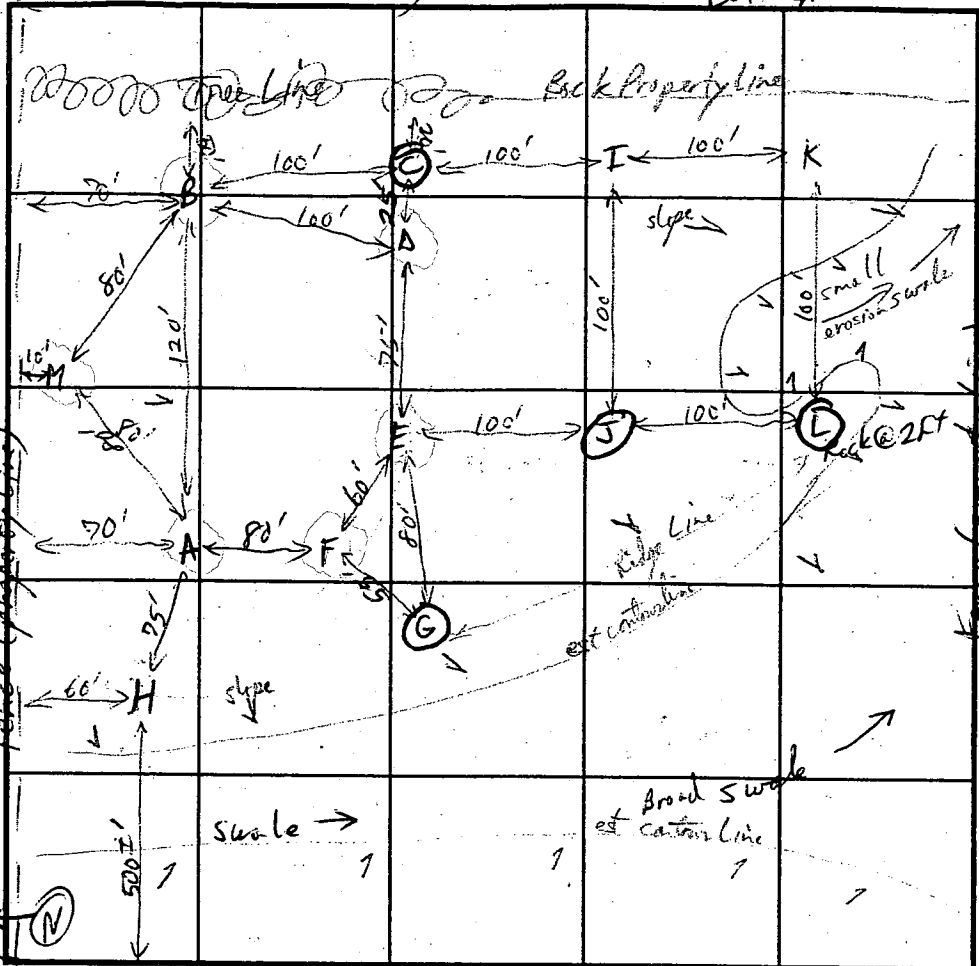
12 1/2'

SOIL PROFILE C

3 1/2' - 4' - Yel Brn +
yel red
SiCL

1/2" - channeery
phyllite schist
loams
Blue grey
+ rusty yellow
colors

Rock Frogs
50-75%
by Volume



SOIL PROFILE E

0' - Mix yel Brn
SiCL

3' - Mix red (grey)
yel SiCL

5' - Tan + light
Brn
ch loam
15-25%
small-med
channeers

Hole J

4' - Mix Brn - yel Brn
SiCL

14 1/2' - pale yel - Tan Brn
ch loam

Hole L

Rock @ 2ft
Refusal

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/9/94	A	4'	11:02	11:22	pulled - No Movement		Fail @ 4'
		OK below 5'					OK below 5'
		13 1/2'	11:24	11:26	11:26	11:30	4 min
	B	3'	11:10	11:32	11:32	11:55	23 min
		In layer with 35% phyllite channeery repair	5 1/2'	11:34	11:35	11:37	3 min
		12 1/2'	11:39	11:41:30		11:44:30	3 min
	C	10'	Too Rocky		10 second perc at Bottom		Fail
	D	15'	12:35	3:20	4 1/5 min last "		45 min 1st inch
		rest	5'	12:30	pulled - causing in porch hole		Too Slow
			252	3:54	3:54	3:58	4 min
	E	15'	12:52	Pulled @ 11:20 - No Movement		5 min @ 3'	OK @ 6'
		3 1/2'	2:39	7:54	2:54	3:15	2 min
	F	13'	2:42	2:47	2:47	2:52	5 min
	M	15'	Visual Only				OK

REMARKS: Best area within B, D, E, F, H, M boundary. Problems are shallow depth to rock and at some sites slow perc rates at shallow depths.

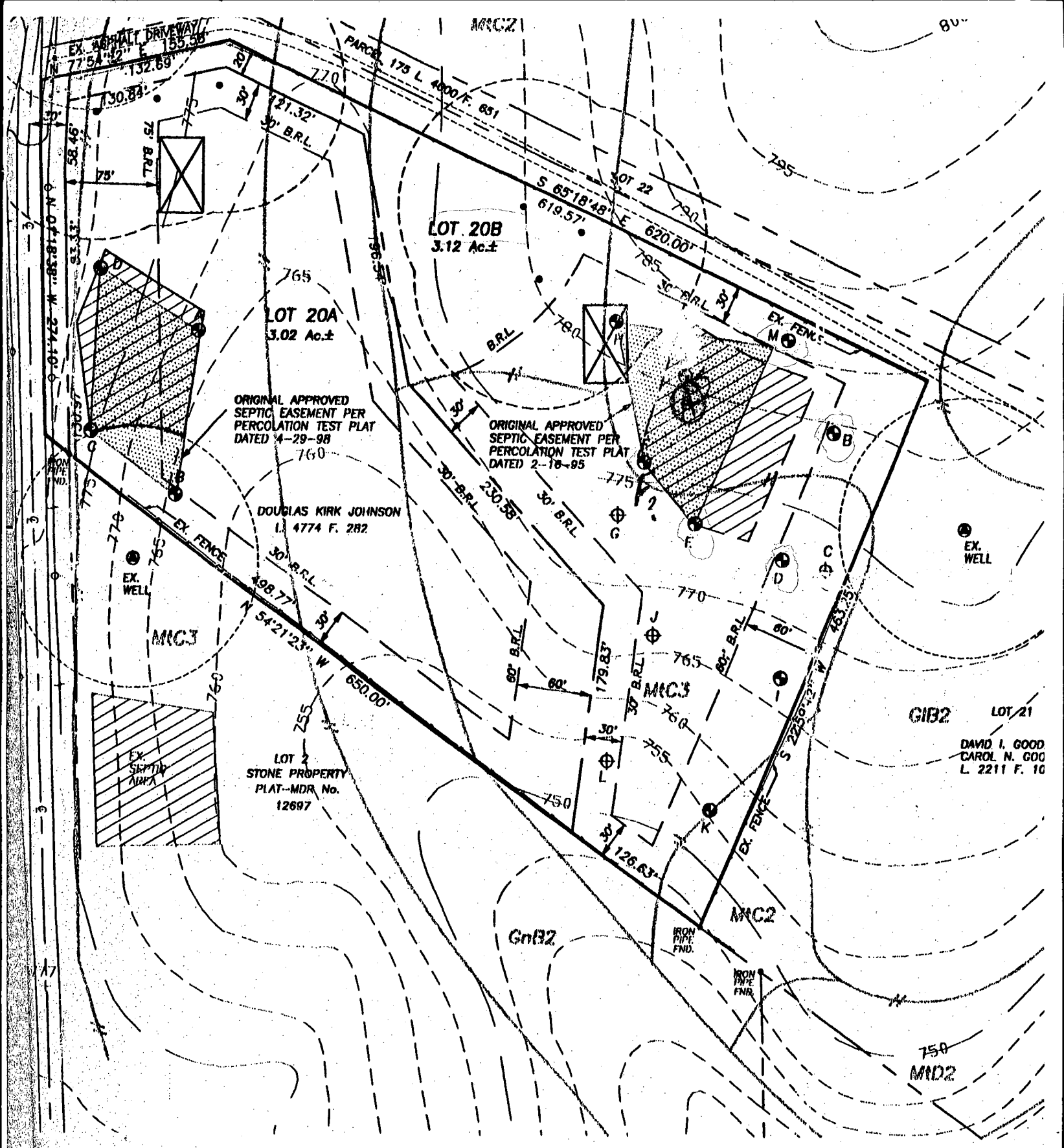
TYPE OF SOIL: _____

TESTED BY: R J Pinkley

ALSO PRESENT: Joe Howry, Jim Reize

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



Copy of signed PC
 by H.O. Co. Health Officer
 on 2/14/03

THE PURPOSE OF
 EASEMENT CONFIG
 CONDITIONS FROM
 APRIL 29, 1998

I HEREBY CERTIFY
 WITHIN 100 FEET
 OTHERWISE SHOW
 I FURTHER CERTIF
 BEEN FIELD LOCAL
 IF PROPOSED ANI

OWNER:
 DOUGLAS KIRK JOHNSON
 C/O FORTY WEST GROUP, INC.
 3230 BETHANY LANE
 SUITE 1
 ELLICOTT CITY MD. 21042
 410-418-8900

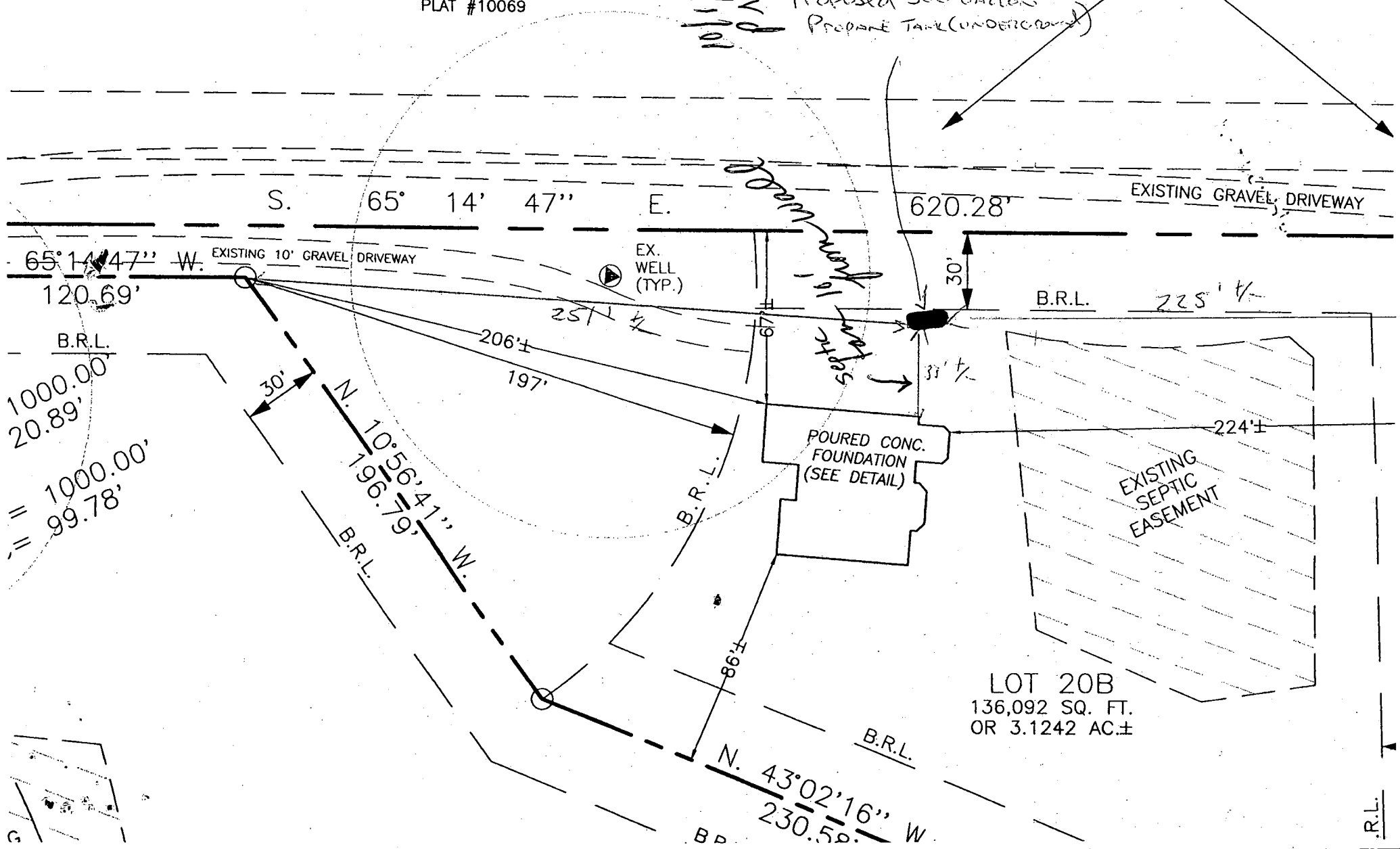
Sourabh G. Munshi
 SOURABH G. MUNSHI,

1/50 SCALE

CHRISTOPHER SCOTT PAYNE
L. 6306, F. 258
LOT 1 - PAYNE'S VIEW
PLAT #10069

ROBERT C. & DOROTHY B.
FITTERER, TRUSTEES
L. 4000, F. 651

*Proposed 500 gallon
Propane Tank (underground)*
*10/1/03 proposed up
tank*
ok
Water
Septic
for



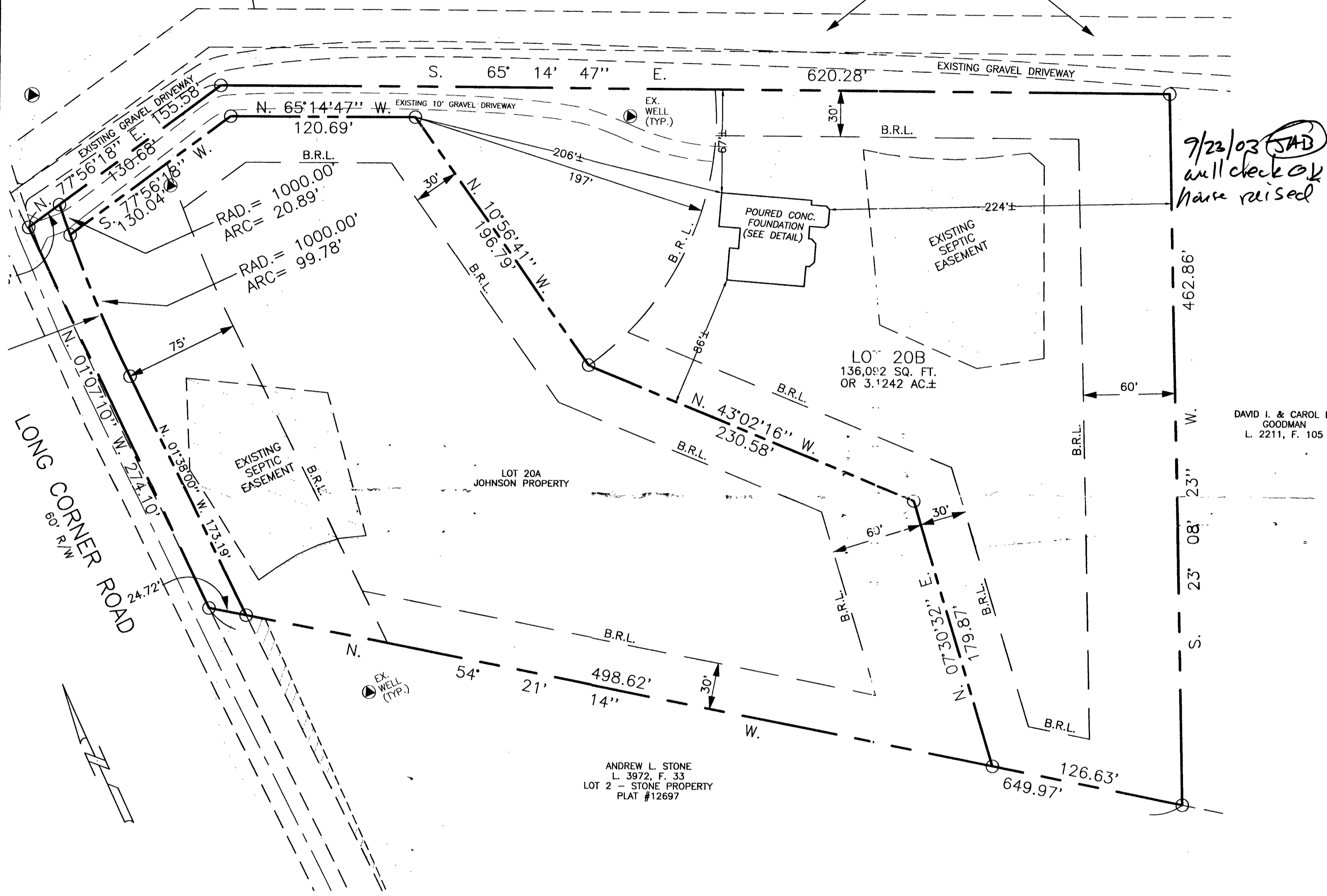
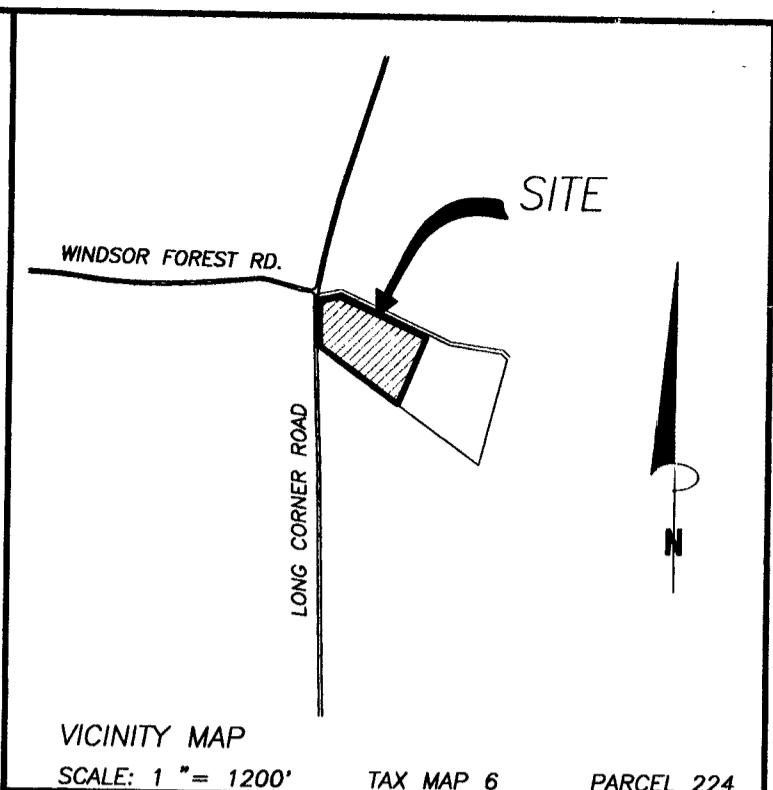
LOT 20B
136,092 SQ. FT.
OR 3.1242 AC.±



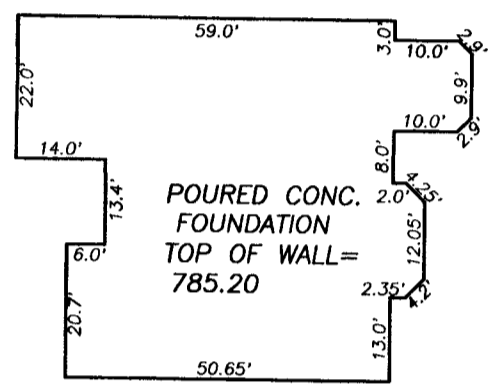
CHARLES R. WALTER &
ROBIN L. SHILLER
L. 1608, F. 579

CHRISTOPHER SCOTT PAYNE
L. 6306, F. 258
LOT 1 - PAYNE'S VIEW
PLAT #10069

ROBERT C. & DOROTHY B.
TITTERER, TRUSTEES
L. 4000, F. 651



7/23/03 JAD
will check OK
have raised



HOUSE DETAIL
1" = 30'

DAVID I. & CAROL N.
GOODMAN
L. 2211, F. 105

- NOTES:
1. FOOTINGS AND FOUNDATION ARE IN PLACE AS SHOWN HEREON.
 2. TOP OF WALL ELEVATION=785.20

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE
I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE

Sourabh Munshi 6/26/03
SOURABH G. MUNSHI, PROF. L. S., MD. REG. # 10770 DATE

DATE	REVISIONS

6/26/03

WALL CHECK DRAWING
LOT 20B
JOHNSON PROPERTY
(FORMERLY LOT 20 OF THE HOWARD BAIN PARCEL OF C.R. NAPLES FARM)

1781 LONG CORNER ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' JUNE, 2003

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