

Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
 Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 1/7/16 **ONSITE SEWAGE DISPOSAL SYSTEM** P 557959

APPROVAL DATE: _____ **PERMIT:** **REPAIR** A _____

PROPERTY ADDRESS: 4007 Jumpers Hill Lane

SUBDIVISION: Fox Den Farms LOT: 4 TAX ID: 03-295192

CONTRACTOR: J.M. Contracting LLC EMAIL: _____

CONTRACTOR ADDRESS: 480 Obrecht Road, Sykesville, MD 21784 PHONE: 443-277-7526

PROPERTY OWNER: William and Elaine Parsons EMAIL: _____

OWNER ADDRESS: 4007 Jumpers Hill Lane PHONE: 443-878-4352

SEPTIC TANK SIZE (GALLONS): Existing PUMP CHAMBER CAPACITY (GALLONS): N/A PUMP SIZE: N/A

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. N/A APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED **Based off of Perc hole (A)*

TRENCHES:	LINEAR FEET REQUIRED: <u>165'</u>	INLET DEPTH: <u>4'</u>
	TRENCH WIDTH: <u>2'</u>	MAXIMUM BOTTOM DEPTH: <u>10'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>7'</u>

LOCATION: **TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.**

NOTES: *Install new Dbox just off of ex. S.T. Run 2x83' trenches on contour as shown in field. Pump/collapse ex. D.W. Call for insp. Must see top trench as it is being installed. Loading rate sized for Perc hole (A).*

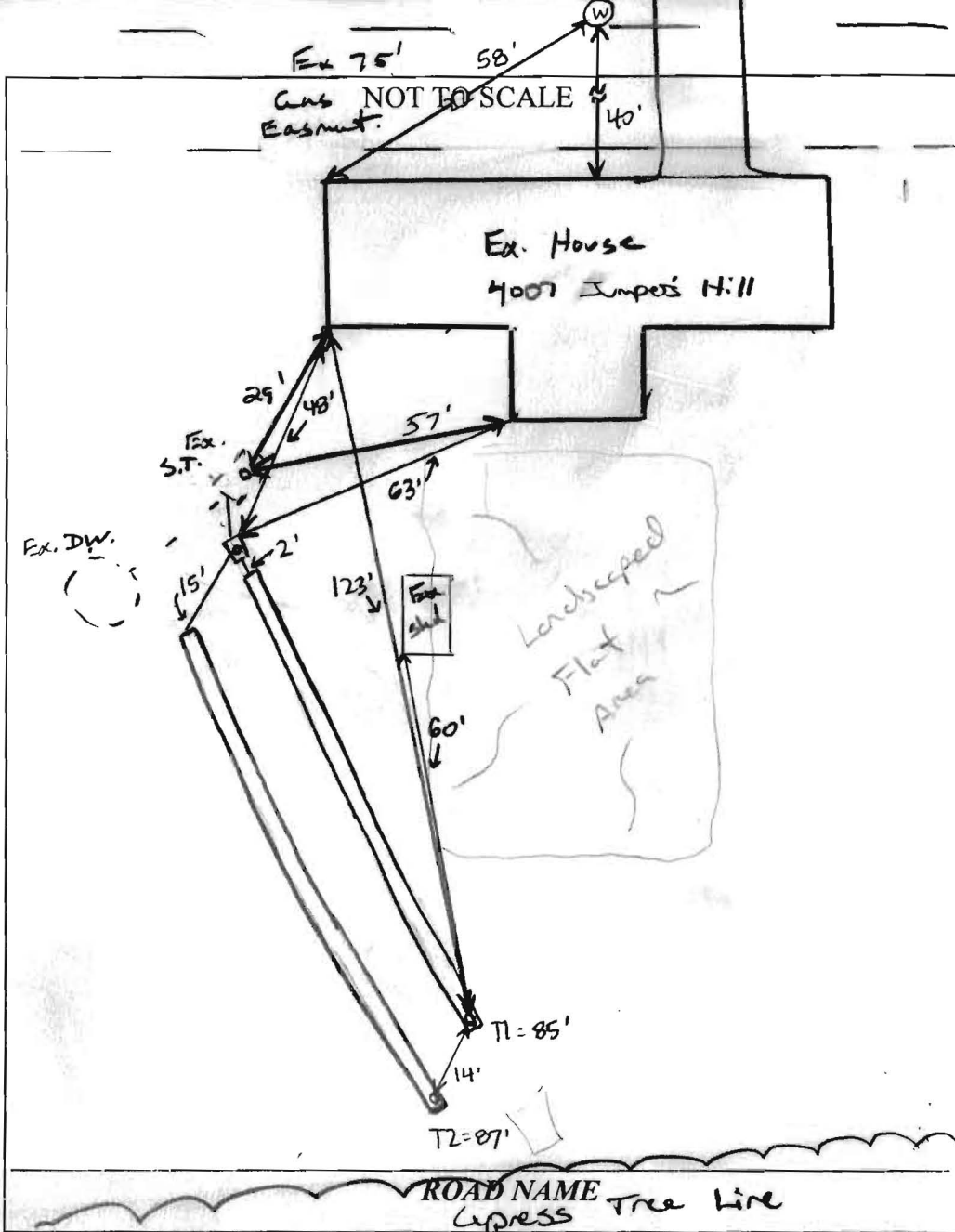
ISSUED BY: K. Wolf ISSUE DATE: 1/14/16 EXPIRATION DATE: 1/14/17

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E N/A
- NOTE: THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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 TO SCHEDULE INSPECTIONS.



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	4'	10'
NUMBER OF TRENCHES		2
TOTAL LENGTH		172'
ABSORPTION AREA		354' • SIDEWALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	Yes
MANUFACTURER	?
CAPACITY	1250 GAL
SEAM LOC	mid
TANK LID DEPTH	3'
BAFFLES	YES
BAFFLE FILTER	N/A
MANHOLE LOC	REAR
6" PORT LOC	Front
WATERTIGHT TEST	OK
SLOTTED	NO
DATE ON LID	N/A

PUMP/SEPTIC TANK LEVEL	
N/A	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

1/14/16 Laid out 2x 83' trenches 10' bottom. Perc Data used was based off of Perc hole (A). Ex Drywell to be pumped/collapsed. New Manhole near old outlet baffle on ex. S.T. Must see trenches 1 or 2 being dug to verify ex. soil conditions w/ perc Data (RM)

INSTALLATION:

1/15/16 Trench 1 dug, left open to bottom ~25' from end. 10.5' depth. ~25' from end is a break in the soil @ B'. Looks like yellow saprolite 9-10' depth 15-7' from end. D-box installed and connected to T1. 3.5' to stone above pipe using #57 stone. (SC)
 1/15/16 T2 dug, filling with stone + pipe. D-box leveled with speed levelers. (SC)
 Drywell pumped + collapsed. (SC)



HOWARD COUNTY HEALTH DEPARTMENT

57959

DATE 11 7 16

A5

Received From

William Parsons

PHONE #

For

Repair/Perc - 4007 Jumpers Hill Rd.

CASH

CHECK

NO.

5492

Three hundred thirty

Dollars

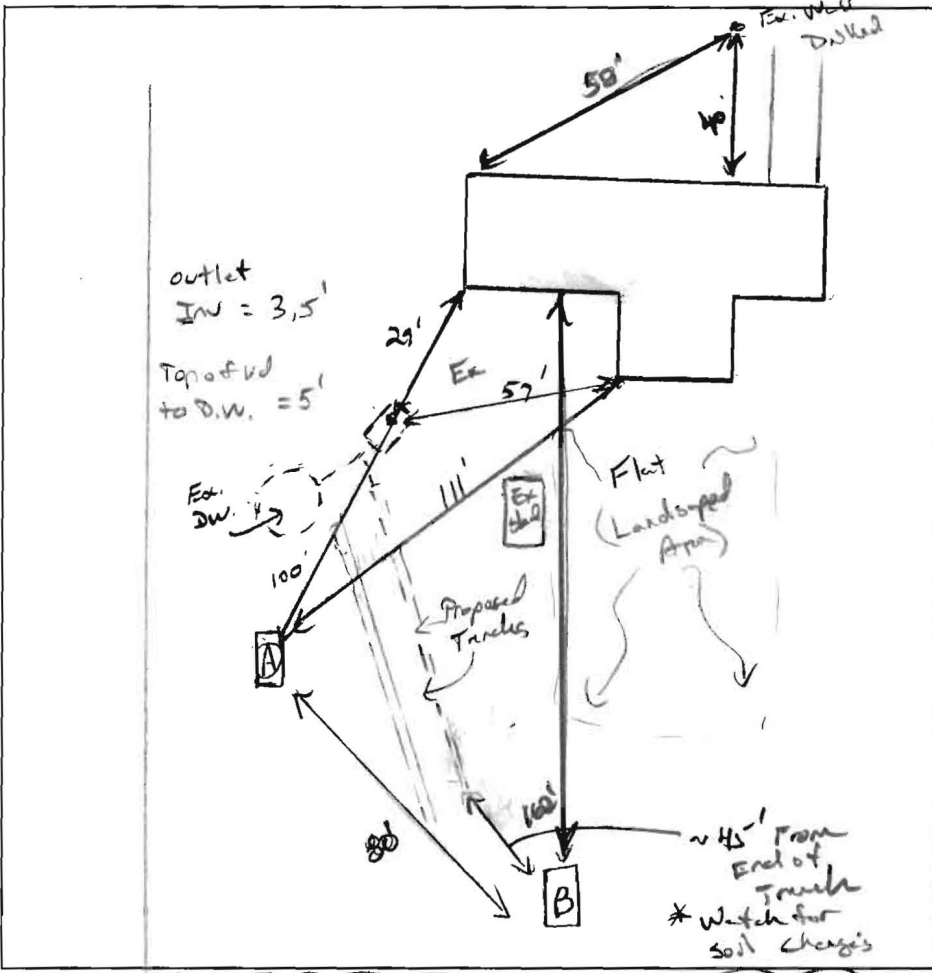
\$

330.00

Received By

King

A/P



(A)
 10" msk, Br/CL roots, CW
 3" Br/CL, Friable CW, 5% grs.
 4" Dry, roots
 10% DC, Quartz
 5" Br/Y SL, micaceous, Friable, Dry, CW m-WK PL
 6" li Br/Y FSL, wk platy, Dry consistent, Highly micaceous

(B)
 12" Br/or CL, stony, roots
 3" Br/or L, WK SRK, Friable, 20% chert
 5" Br/Y L, CW, msk, Few mica
 7" li Br/Y SL, micaceous, Hard CS, m pl, Tislet, strong photo
 9" wk pl Br/Y SL, platy, Tislet, FSL, Dry, many mica
 15" spotty 15-20% silty chert

Tree Line (Cypress Trees)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
1-14-16	(A)	6' / 14'	00:09	00:12	00:19	7	(P)	
			H ₂ O poured @ bottom			~ 7mp		
	(B)	6' / 15'	00:44	1:02	Pulled - 1/2"		H	
		7'					H	
			* Hole (B) restricts layers @ 5'-8'					
			H ₂ O poured @ 15' - ~			6mp	P	

REMARKS 2 Major Gas Lines in Front Yrd. May have issue w/ construction Repair system to be based off Perc Hole (A)

SANITARIAN K. Wolf BACKHOE Ronnie Hays OTHERS Helper Dennis

TEST HOLES USED IN SDA 1 + 1 = 2 AVG. PERC TIME 7 SQ. FT/BR 0.8

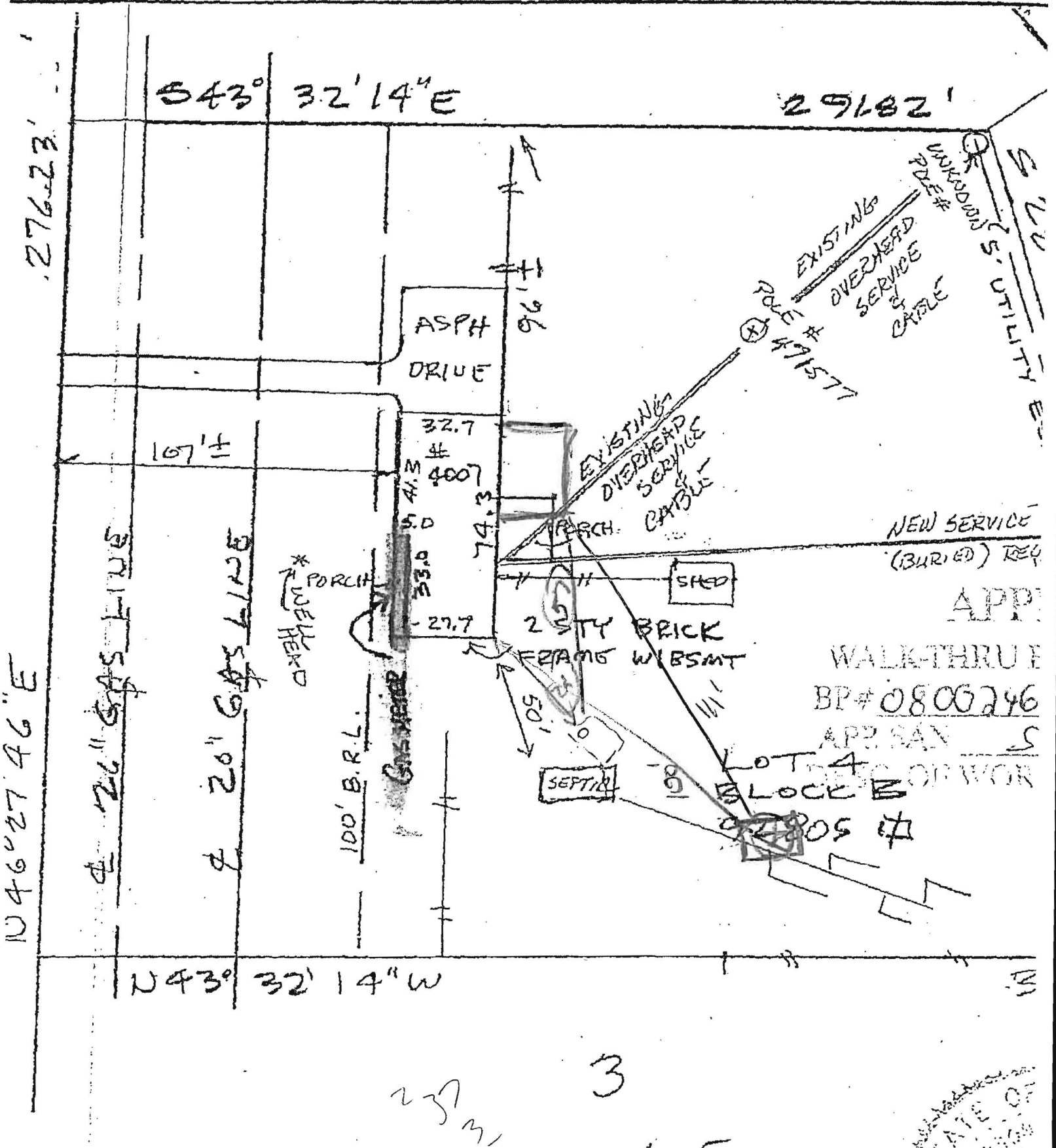
TRENCH WIDTH 2' INLET DEPTH 4.0' MAX. BOT DEPTH 10' EFFECTIVE SW 7' (.44)

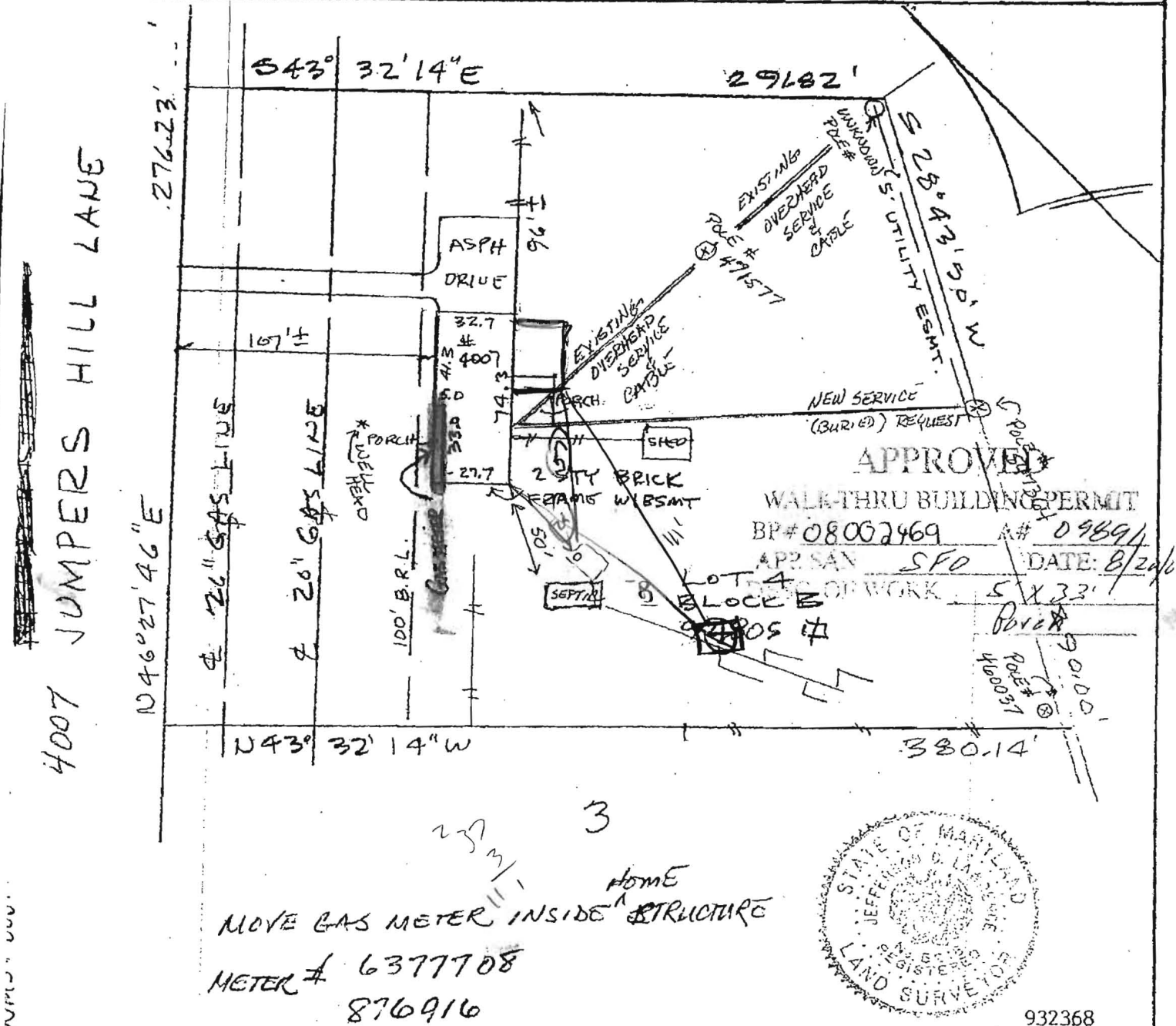
$4BR = \frac{600 \text{ gal}}{0.8} = 750 \div 2 = 375 (.44) = 165 \text{ LF}$



TDL, LIMITED

16220 FREDERICK AVE
GAITHERSBURG, MARY
(301) 840-9747





Property shown hereon is not in a flood plain per existing records unless otherwise noted.

SCALE: 1" = 60'
RECORDED IN:
PLAT BOOK: 10
PLAT: 60

NOTE: This drawing is not intended to establish property lines nor are the existence of corner markers guaranteed. All information shown hereon taken from the land records of the county in which the property is located. Do not attempt to erect fences from information contained on this drawing.

HOUSE LOCATION
LOT 4 BLOCK B
PART ONE
FOX DEN FARMS
HOWARD COUNTY, MD

I hereby certify that to the best of my knowledge and belief, the position of all the existing improvements on the above described property has been established by accepted field practices.

Date: September 10, 1993

Jefferson D. Lawrence
JEFFERSON D. LAWRENCE,
PROFESSIONAL LAND SURVEYOR #5216