



Howard County
Health Department

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: 9/13/18

ONSITE SEWAGE DISPOSAL SYSTEM

P 564004

INSTALLATION

APPROVAL DATE: 10/05/2018 

PERMIT

A _____

TANK REPLACEMENT

PROPERTY ADDRESS: 13721 Springdale Drive

SUBDIVISION: _____

LOT: ●

TAX ID: 05-422175

CONTRACTOR: Oak Hill Construction

EMAIL: _____

CONTRACTOR ADDRESS: 16910 Oak Hill Road, Silver Spring, MD 20905

PHONE: 301-421-4155

PROPERTY OWNER: Young and Myung Youn

EMAIL: _____

301-440-6422 (Terry Ward)

OWNER ADDRESS: 13721 Springdale Drive, Clarksville, MD 21029

PHONE: _____

NUMBER OF BEDROOMS: _____

SEPTIC TANK SIZE: 1500

DRAINFIELD SIZE/TYPE: _____

LOCATION:	
NOTES:	

ISSUED BY: 

ISSUE DATE: 9/13/18

EXPIRATION DATE: 9/13/19

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

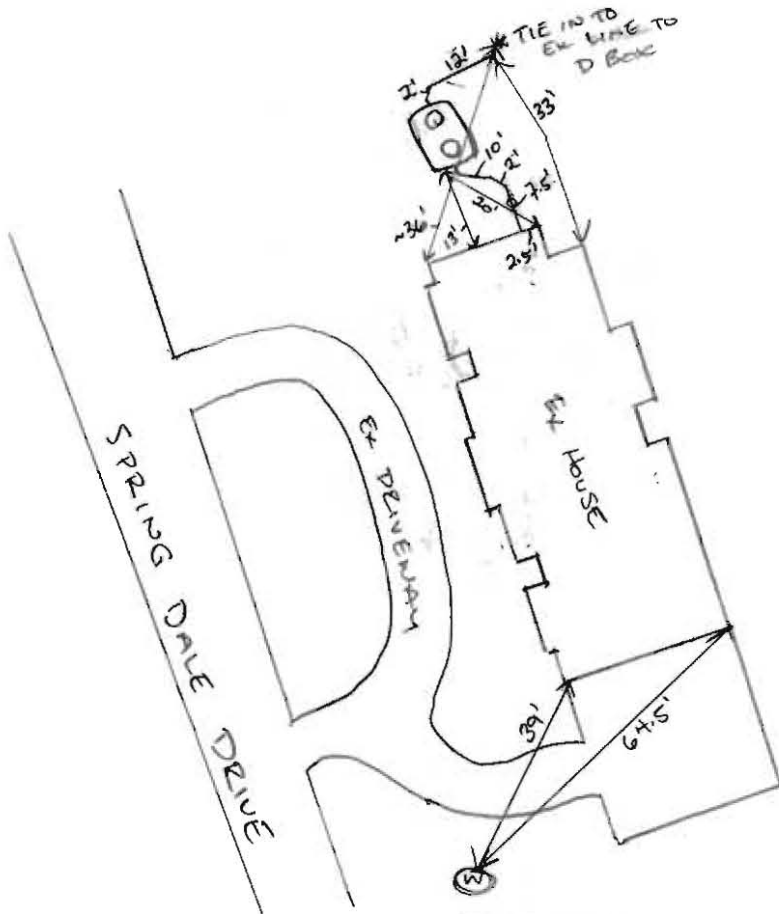
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**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 FOR INSPECTION OF SEPTIC SYSTEM.

NOT TO SCALE



ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

EXISTING (1998)

NUMBER OF TRENCHES

TOTAL LENGTH

ABSORPTION AREA

DISTRIBUTION BOX LEVEL

DISTRIBUTION BOX BAFFLE

DISTRIBUTION BOX PORT

SEPTIC TANK DATA

SEPTIC TANK I LEVEL YES

MANUFACTURER AK INDUSTRIES

CAPACITY 1500 GAL

SEAM LOC. ~~W/D~~ NO SEAM

TANK LID DEPTH 1'

BAFFLES YES

BAFFLE FILTER NO

MANHOLE LOC FRONT/BACK

6" PORT LOC INLET

WATERTIGHT TEST N/A

SLOTTED YES

DATE ON LID 09/27/2018

PUMP/SEPTIC TANK LEVEL

MANUFACTURER

CAPACITY GAL

SEAM LOC

TANK LID DEPTH

BAFFLES

BAFFLE FILTER

MANHOLE LOC

6" PORT LOC

WATERTIGHT TEST

SLOTTED

DATE ON LID

PRE-CONSTRUCTION:

INSTALLATION: 10/05/2018 (AM) TANK PIT DUG. REVIEWED MANUFACTURER INSTALL SQR. W/ CONTRACTOR. (AM 2) Aggregate BED SET IN TANK PIT. TANK SET AND BEDDED. FILLED W/ WATER AND BACKFILLED W/ STONE AGGREGATE. (PM) INSTALLED INFLUENT LINE FROM EXISTING SHC. TO TANK AND CONNECTED TANK TO EX EFFLUENT LINE TO D BOX. EX SEPTIC TANK WAS COLLAPSED AND FILLED. (K)

FINAL INSPECTOR

DATE OF APPROVAL

10/05/2018

Pump TANKS



- Maximum bury depth is 24" to top of tank
- Suitable for light lawn traffic, no vehicles
- Recommended minimum fluid level for pump tanks
 - 300 gallon is 6" of fluid
 - 750 & 1000 is 20" of fluid
- Green safety lids available

Pump Tanks

Gallons	300	750	1,000
Diameter (in.)	55.75	80	88
Height (in.)	51.5	66	70
Cubic Yards	2.5	4.5	5.5

Standard TANKS



- Maximum bury depth is 24" to top of tank
- Suitable for light lawn traffic (*small tractors, mowers, but no vehicles*)
- Not to be used as holding or pump tank, gravity only
- Green safety lids available

Septic Tanks

Gallons	500	750	1,000	1,050	1,300	1,500
Length (in.)	90	92	102	126	113	127
Height (in.)	43	54	63	53	71	58
Width (in.)	63	67	67	66	69	66

AIO (All In One) TANKS



- Maximum bury depth is 48" to top of tank
- IAPMO Z1000-2007 approved
- No water or gravel backfill necessary
- Install with native, free-flowing soil
- All tanks are fitted for a pump vault
- Green safety lids available

AIO Tanks

Gallons	1,000	1,050	1,300	1,500
Length (in.)	102	126	113	127
Height (in.)	63	53	69	58
Width (in.)	67	66	69	66

AK PART #: AKS

Description:

MARYLAND SEPTIC / 1500 GALLON / 2-COMPARTMENT / 20-20 LIDS

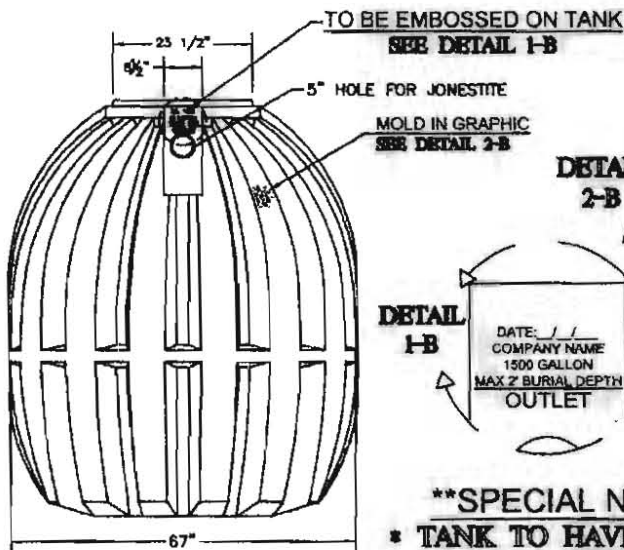
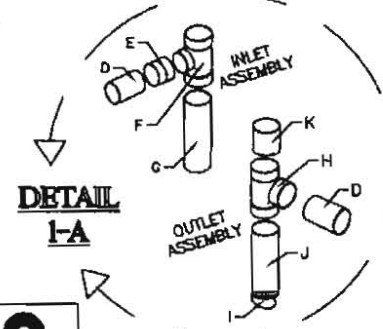
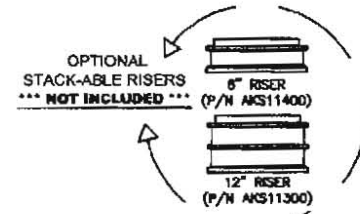
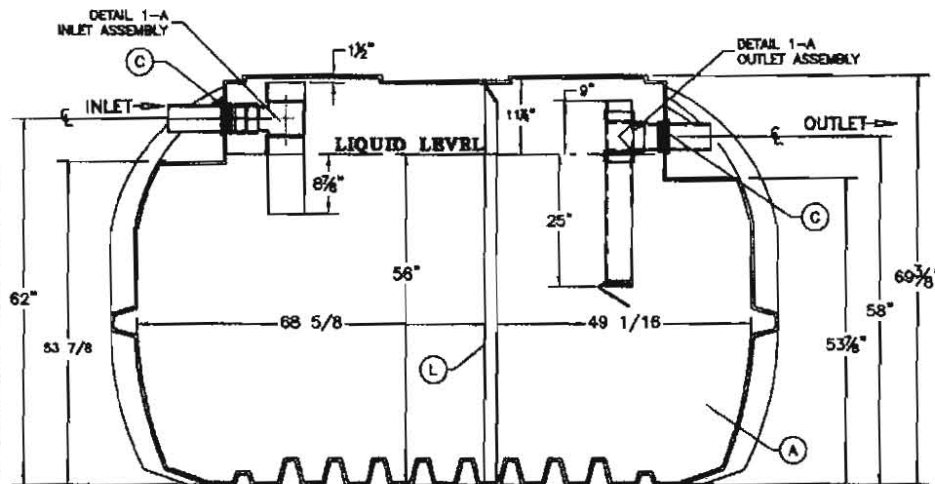
Revision #:

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Date:

09/19/18

THIS DRAWING IS THE SOLE PROPERTY OF AK INDUSTRIES INC.



DETAIL 2-B

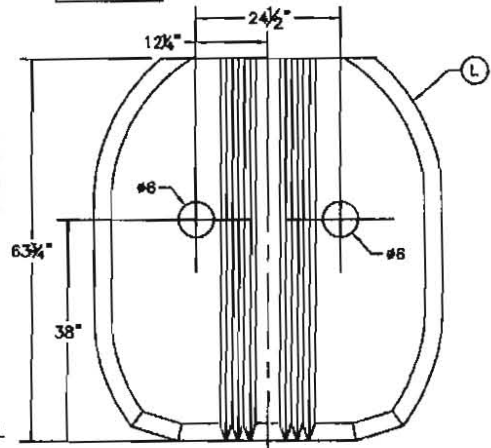
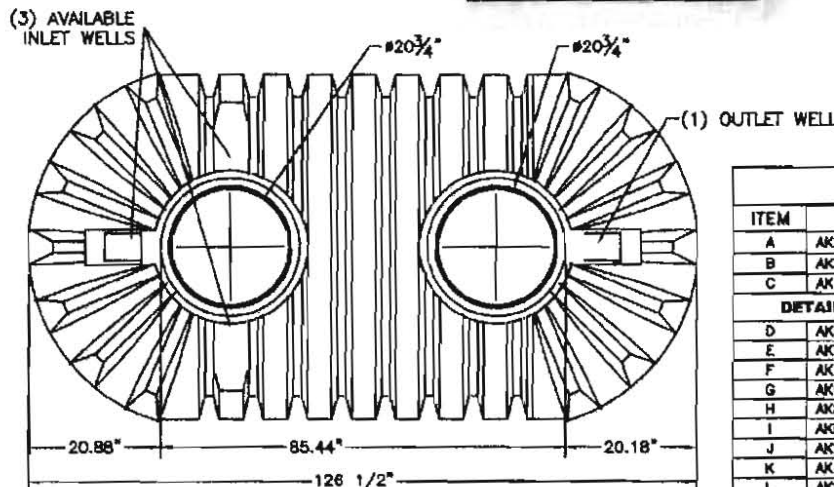
AK IND.
MODEL 1500
CAP. 1720
MANUF. DATE:
LOAD LIMIT
500 LBS SQ. FT.
W. VOLUME
1506 GAL.

DETAIL 1-B

DATE: / /
COMPANY NAME
1500 GALLON
MAX 2' BURIAL DEPTH
OUTLET

****SPECIAL NOTES****

- * TANK TO HAVE BEDDING
- * FILL W/ CLEAN WATER
- * CRITICAL - 2 FT.
MAX BURIAL DEPTH

**B.O.M.**

ITEM	P/N	DESCRIPTION	QTY:
A	AKS95000	1500 GALLON SEPTIC PLAIN	1
B	AKS11200	COVER, 20" T	2
C	AKR50760	FITTING, 4" AAF-C1644 APPROVED	2
DETAIL 1-A INLET/OUTLET ASSEMBLYS			
D	AKR43180	PIPE PVC 4" SCH40	(2) 13" LONG
E	AKR30300	FITTING PVC 4" SCH40 S/W COUPLING	1
F	AKR30385	FITTING PVC 4X6X6 SCH35 TEE	1
G	AKR30400	PIPE PVC 6" SCH35	(1) 86" LONG
H	AKR30330	FITTING PVC 4" SCH40 TEE	1
I	AKR30510	FITTING, GAS DEFLECTOR	1
J	AKR43180	PIPE PVC 4" SCH40	(1) 25" LONG
K	AKR43180	PIPE PVC 4" SCH40	(1) 3 3/8" LONG
L	AKS10300	1300/1500 BAFFLE	1

Notes: IAPMO Z1000 CERTIFIED

Approved by: _____
Signature: _____

Material: Polyethylene

Scale: NTS

Tolerances are +/- 0.250
Unless Specified Otherwise

DRAWN BY: A.DAVIS

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-422175

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

P511057

A 49861-A

DISTRICT

DATE 10/20/98

DATE SYSTEM APPROVED 4/8/98

INSPECTOR S.R.K.

INDEXED

Fogle's Septic Clean, Inc.

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 558 Obrecht Road Sykesville, Maryland 21784 PHONE (410) 795-5674

SUBDIVISION Springdale Estates LOT 10 ROAD 13721 Springdale Drive

PROPERTY OWNER Dale Thompson Builder

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 5 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Begin trenches 110 feet up the left (175.00') lot line and 95 feet off that same lot line. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

OK KM 10.20.98

PLANS APPROVED BY Amy McMillen/Mark E. Rifkin

DATE 10-15-98

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 8 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 481-8933 FOR INSPECTION OF SEPTIC SYSTEM.

A 49861-H

Approved Septic System Plan

Howard County Health Department

0001/4437

Mark E. K... 10/15/88

Signature

Date

Septic Grades & Elevations		
	Inv.	Grade
INVERT @ DISTRIBUTION BOX	432.40	435
INVERT @ EXIST. TANK	432.25	
INVERT @ ENTRANCE TO TANK	432.50	
INVERT @ HOUSE	432.75	439

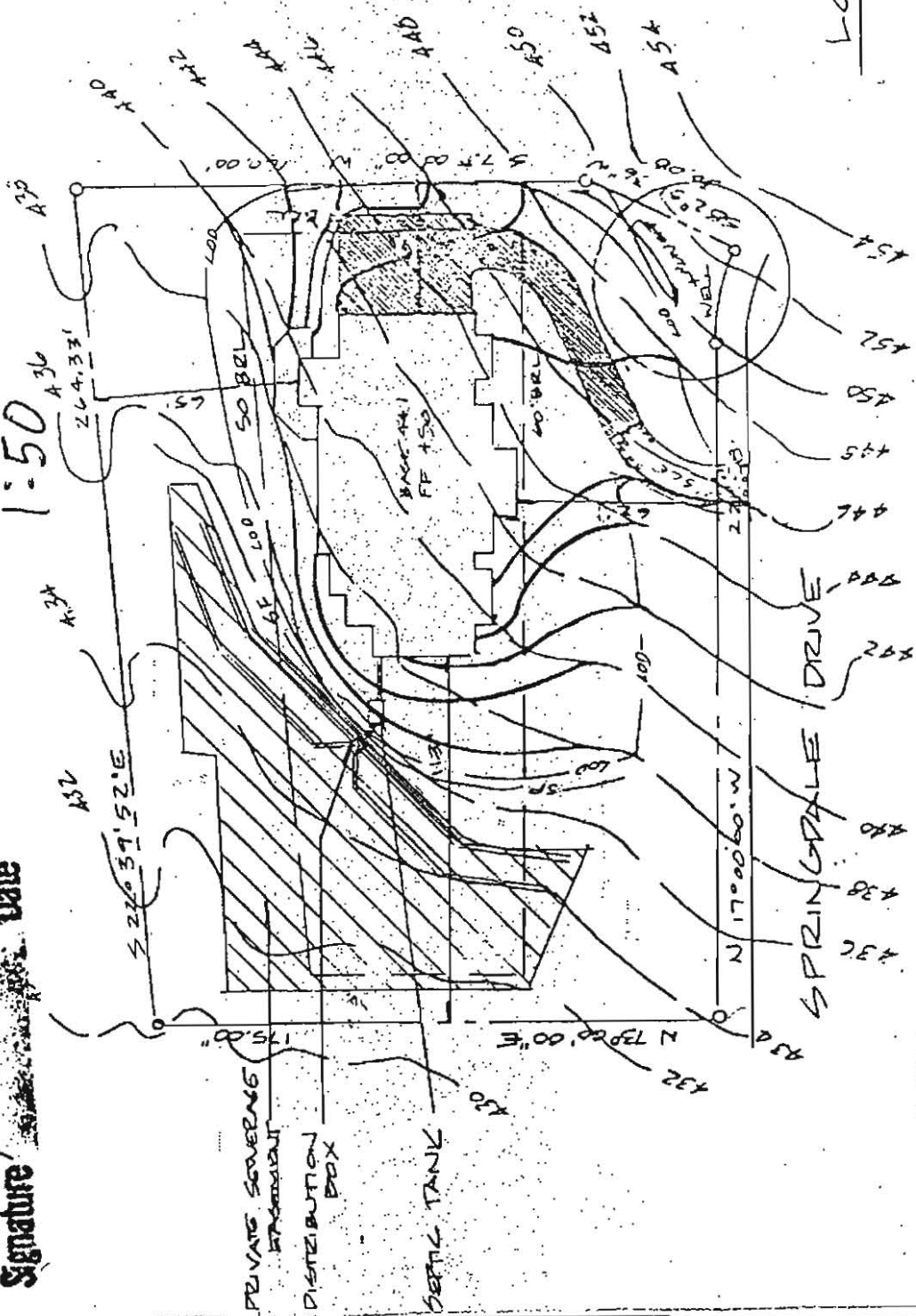
Total linear feet of trench required 280 feet

Width of trench(es) 3 feet

Depth of trench(es) 5 1/2 feet

Depth of stone required below distribution pipe 2 feet

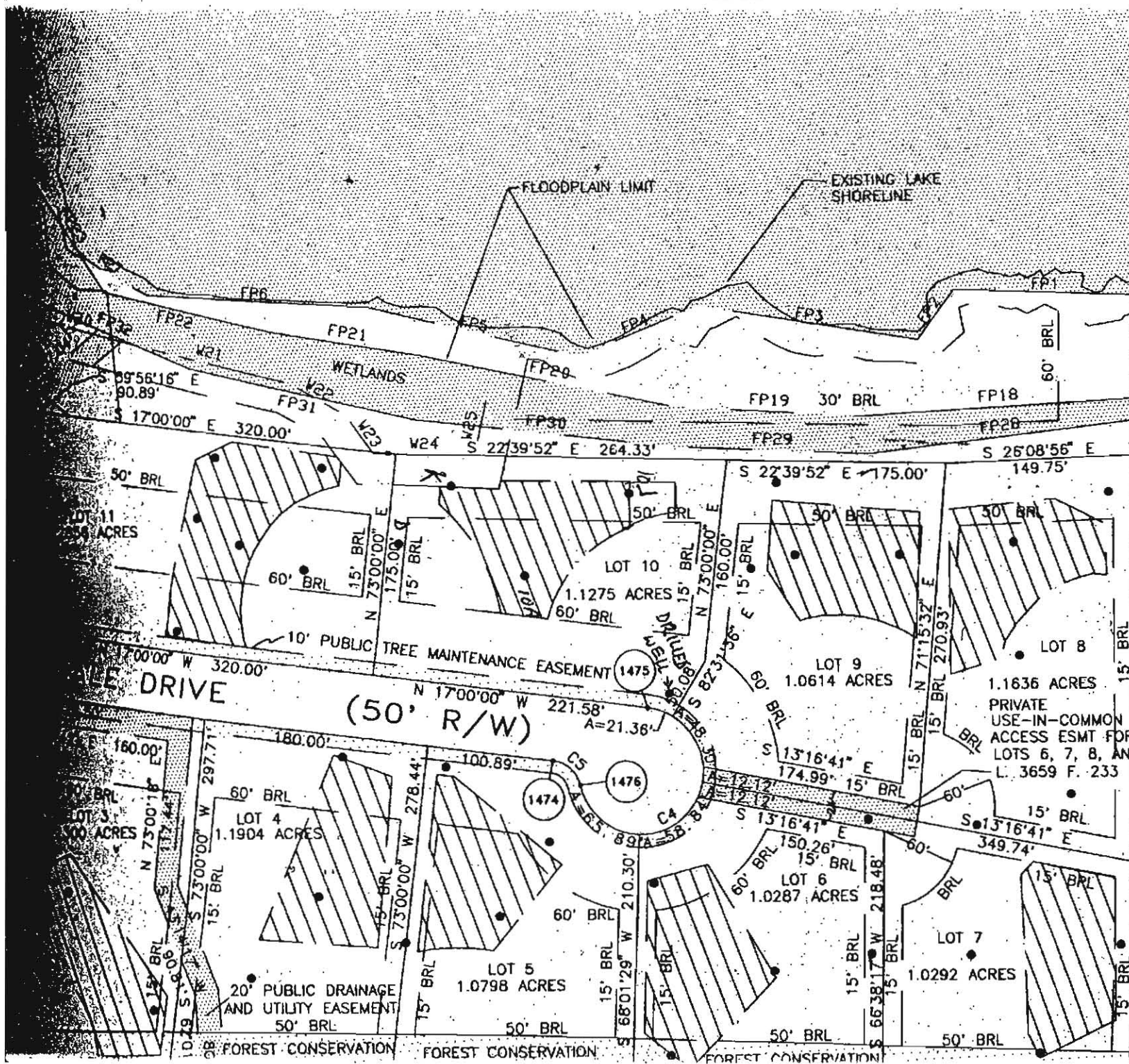
LOT 10
1.1 AC.



FILE INQUIRY NOTES

Springdale

DATE	RESULTS OF REVIEW FOR FILE
9/18/18	Contractor came in to discuss finish basement floor plans. Existing floor plans show 4 existing BR w/ 1 additional BR in basement <u>Total BR = 5</u>. $5BR = 750 \text{ sq ft} / 0.8 \text{ x } 1 \text{ / ft}^2$ $= 938 \div 3 = 312 (.21)$ <u><u>= 222 LF</u></u> } Spec's for 5 BR design. No additional finish needed. Will however need to upgrade spot's tank to a <u>1500 g</u> (KWD)
9/20/18	Contractor called explained that a concrete tank is not possible to access to the site. Plastic tank will be proposed. I told him to submit to me the details of the tank and we can approve of its use (KWD)
9/24/18	Reviewed proposed plastic tank w/ Mike Dore. No objections noted. 'OK' for use. Will need site visit for layout instructions and information to be explained w/ homeowner. (KWD)



S 66°38'17" W 1181'
LOT 12
JOCELYN A
PLAT 55

S 66°38'17" W 320.00'
LOT 6
JOCELYN ACRES
PLAT 521

N 556.250'
E 1,316.250'

Signed Plat of Correction



CLEANOUTS 2 (1 house, 1 tank 6")

DRAIN FIELD/TITLE DEPTH 5 1/2 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH $3\frac{1}{2}$ - 4 FT.

TOTAL LENGTH $\overline{80} \mid \overline{100} \mid \overline{100}$ FT. (280)

NUMBER OF TRENCHES 3

ONE SIDEWALL BOTTOM AREA 840 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT.

EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 11/28/98 S.T. + D.B. APPEAR TO BE 20-25' TOO LOW; 2 TRENCHES
INSTALLED, BUT MAY BE DEEP. DIG 3rd. S.T. + D.B. MAY BE PULLED
UPHILL AFTER MTG. IN FIELD (MR)

10/29/98 D.B. LOC. ALONG HIGH EDGE, SLID TOWARD ROAD 30' - OK TO
COVER TANK & TRENCHES. HOLD FOR HOUSE CONN (MR)

4/8/78 - House, Connection Made 4/8/79 - WPI ON SRK

DATE SYSTEM APPROVED 4/8/98

INSPECTOR Steven R. Krueger

ok/aw