

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

XX361893X 313-2640

INDEXED

DATE SYSTEM APPROVED 12/23/93

INSPECTOR AM

P 49758

A 39570

DISTRICT 3rd

DATE 11/22/93

South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Crystal Clear LOT 12 ROAD 13901 Ryon Drive

PROPERTY OWNER Tom and Annette McNamara TOM & DARLENE LYONS

ADDRESS 2429 Seibel Drive
Silver Spring, Maryland 20905

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 158

TRENCHES - Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 180 feet from the lot line which borders Ryon Drive and 220 feet from the lot line which borders Kennard Drive. Run trenches along contour away from Ryon Drive.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK MR 11/16/93

PLANS APPROVED BY Craig Williams/Mark Rifkin

REVISED DATE July 30, 1993/
11/15/93

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 6 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.

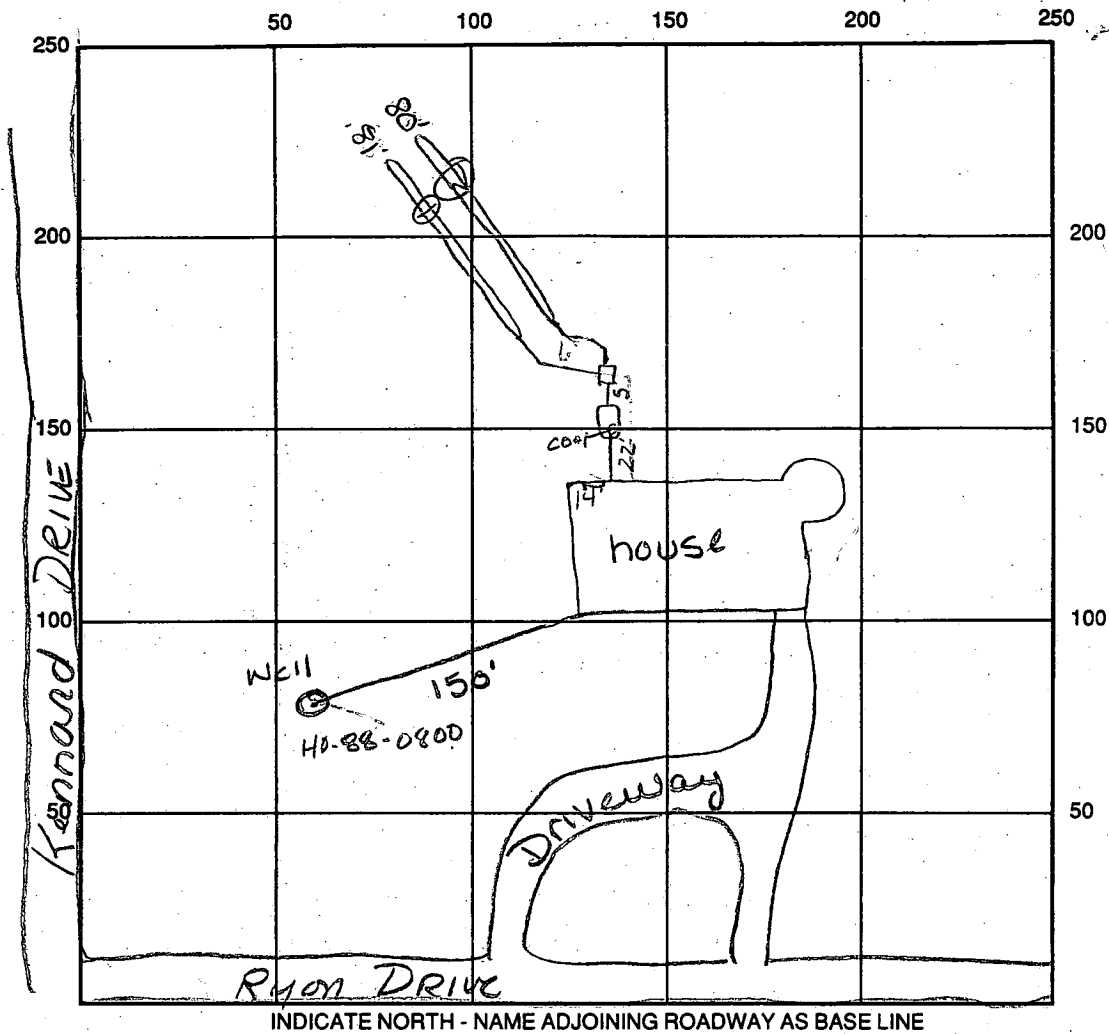
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

03-31448

SEWER PERMIT SIGNED
AND RETURNED 3/31/01
Prepaul Tank
00028848
SEWER PERMIT SIGNED
AND RETURNED 8/30/2000
800126201 DECK W/STEPS
SEWER PERMIT SIGNED
AND RETURNED 8/31/2000
800126209 INGROUND POOL W/FENCE

A
39570



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK 1250 gal

CLEANOUTS #1 OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 7.5 FT.

TRENCH WIDTH 2' FT.

INLET DEPTH 3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 4 FT.

TOTAL LENGTH 881' @ 80' = 161 ft total

NUMBER OF TRENCHES 2

ONE SIDEWALL/BOTTOM AREA 644 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

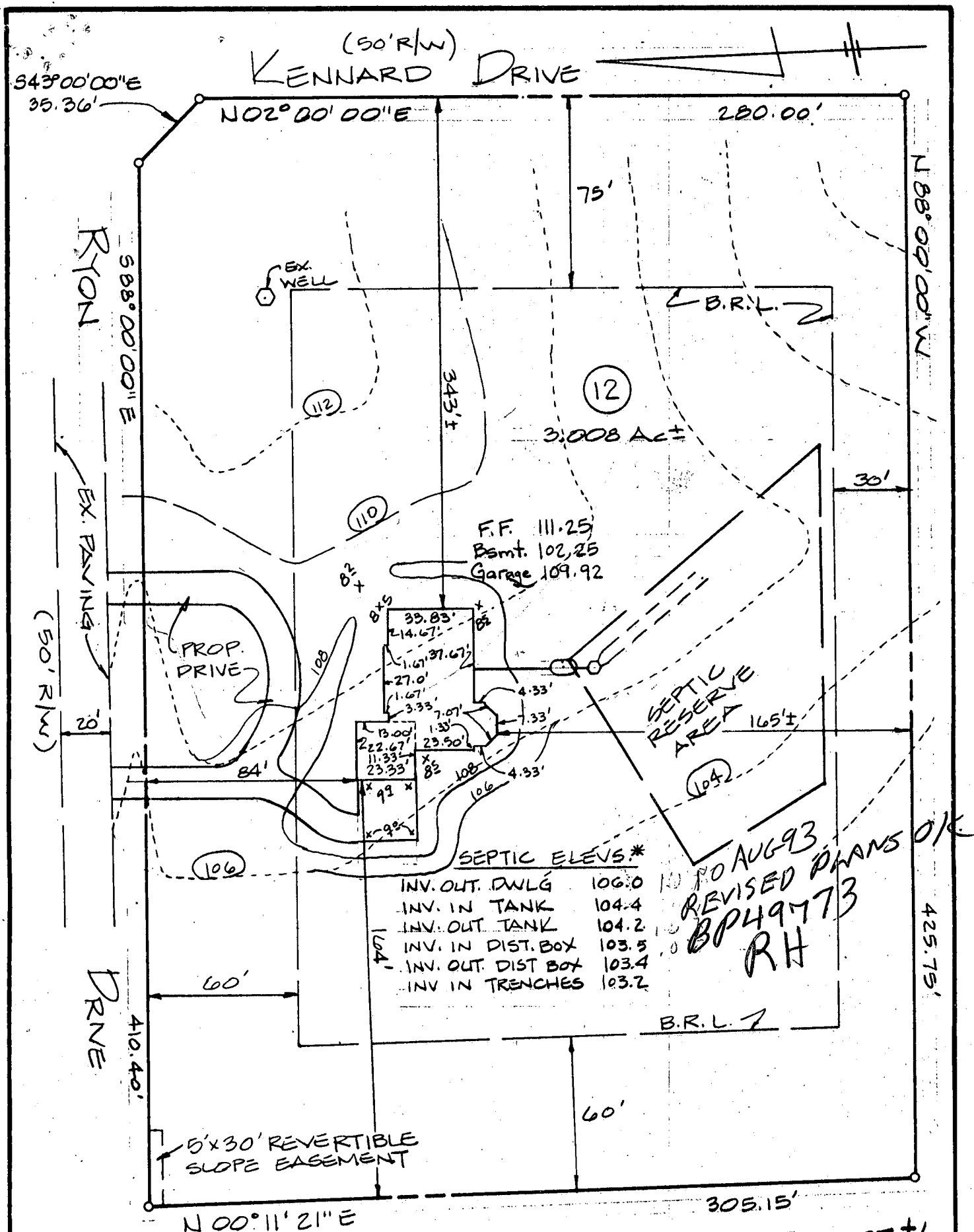
ABSORBENT AREA — SQ. FT.

REMARKS: 12/23/93 OK to cover trench #1. Need baffle, riser and trench #2 Arm
12/23/93 08 part of trench left to fill w/ stone - complete
and cover all work final (materials on site) Arm

12/23/93 No WPI Arm

DATE SYSTEM APPROVED 12/23/93

INSPECTOR A. McMiller



DISTURBED AREA = 17,200 SF +/-

LOT 12
CRYSTAL CLEAR
Δ 8445

3rd ELECT. DIST. HOWARD CO., MD.

James W. McKee, MD Reg. 9012

7/20/93
Date



drawn:
HMB

designed:
HMB

SITE PLAN RYON DRIVE

McKEE & ASSOCIATES, INC.

CIVIL ENGINEERS - LAND SURVEYORS
SHAWAN PLACE
5 SHAWAN ROAD HUNT VALLEY, MD 21030
301-527-1555

scale:

1" = 50'

date:

7/19/93

job no.:

CB-8

* REVISED SEPTIC ELEV. 8/3/93

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

7-23-87 Perc hole
pending plat approval
JEN.

A 39570

P _____

DISTRICT 5TH

DATE 6-12-87

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

Tom + ANNETTE McNAMARA

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Kennard Warfield Jr. Crystal Clear General Partnership

ADDRESS 14663 Tridelphia Rd Glenely 21737 PHONE 442-2337
384-3572

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Crystal Clear LOT NO. 17

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd
(13901 Ryon Drive)

TAX MAP 22 PARCEL # 533 BLDG. PERMIT SIGNED AND RETURNED 8/10/93
Serial # 49773 SFD - 3 Bed 5 Bedrooms + Garb Room
SIZE OF LOT 3 1/2 acres TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY
WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Mal S. Kei
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7-23-87
for perc hole location and subdivision
plat approval. Check that well on lot 18 is 100' + from
septic lot 17 uphill from 18. JEN.

BLDG. PERMIT SIGNED AND RETURNED 9/11/93
Serial # 28930 - SFD

THIS IS NOT A PERMIT

2 High
1 ↓
3-4 Low

①

SOIL PROFILE

0-5.0 Rd-br
sl cl lm,
some lg
grl < 10%
5.0-12.0 Yellow br
cl sl lm,
trc broken
rx frags
< 15%
12.0 Bottom

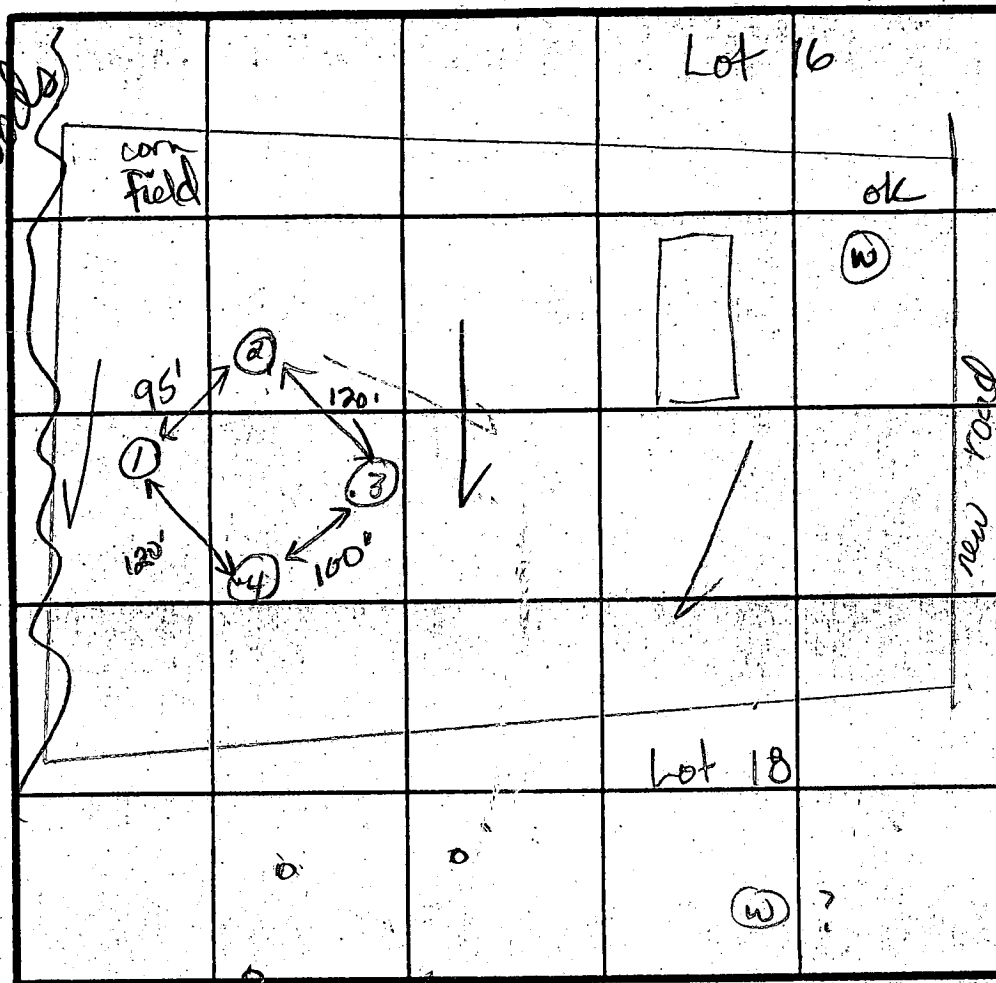
②

0-2.0 Rd-br sl
cl lm
2.0-5.5 Rd cl
sl lm
5.5-12.5 Tan sa
sl lm
12.5 Bottom

③

0-4.0 Ok br
sl cl lm
4.0-7.0 Rd-br sl
lm
7.0-13.0 Red sa sl
lm
13.0 Bottom

EH 12-1079



④

0-2.0 Ok br sl
cl lm
2.0-13.0 Red sa
sl lm,
trc of
decomposed
rx frags
< 5%
13.0 Bottom

X PERC
6 min

speeds 4.0
Invert @ 5.5'
5.5' - 10' stone
4.0 8.0

13' bottoms

DATE	TEST NO.	DEPTH	PRE-WET		TEST 11" DROP		TIME
			START	STOP	START	STOP	
7-23-87	1	5.0 S	3:00	3:05	3:05	3:12	7
		12.0 D	Bottom (see profile)				
	2	3.0 S	3:13	3:15	3:15	3:17	2
		7.0 M	3:13	3:15	3:15	3:20	5
		12.5 D	Bottom (see profile)				
	3	13.0 V	(see profile)				ok
	4	4.0 S	3:20	3:28	3:28	3:36	8
		13.0 D	Bottom (see profile)				

Make sure septic is 100' from well on Lot 18.

REMARKS All holes as located per plat.

TYPE OF SOIL 0-4.5' Rd-br sl cl lm, 4.5'-13.0' Tan-rd sa sl lm, <15% rx frags

TESTED BY J.E. Nadeau

ALSO PRESENT Glen H. E. Sr. Mark

COUNTY

B 1 9168	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-88-0800 fill in this form completely
Date Received (APA) 052589		B 3 LOCATION OF WELL 244397	
OWNER INFORMATION 15 Last Name: GOSHEM Owner First Name: LAND CO 36 Street or RFD: 21006 BRINK CT 57 Town: GAITHERSBURG 70 State 72: MD Zip 76: 20879		8 COUNTY: HOWARD 23 SUBDIVISION: CRYSTAL CLEAR SECTION: 12 LOT: 12 52 NEAREST TOWN: GLENELG MILES FROM TOWN (enter 0 if in town) 1 MI	
DRILLER INFORMATION Driller's Name: L. Franklin Easterday, Inc. Firm Name: 9265 Brown Church Rd., MT. Airy, Md. 21771 Address: George F. Easterday Signature: 5-24-89 Date:		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500		11 NEAR WHAT ROAD: 13901 RYON DR ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 DISTANCE FROM ROAD 50 37 ENTER FT OR MI FT	
USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME: Howard COUNTY NO.: A 39570 STATE SIGNATURE: _____ INSERT S DATE ISSUED: 063089 CO SIGNATURE: Craig Williams EXP. DATE: 12/30/89 NORTH GRID: 522000 EAST GRID: 08000000	
APPROXIMATE DEPTH OF WELL 500 FEET APPROXIMATE DIAMETER OF WELL 6 INCH		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 	
METHOD OF DRILLING (circle one) BORED (or Augered) ☒ JETTED ☐ Jetted & DRIVEN ☐ 30 AIR-ROTARY ☐ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) ☐ 37 CABLE ☐ REVerse-ROTary ☐ Drive-POINT ☐ other _____		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ 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 ☐ THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP FORCE CW WRITE INITIALS IN BOX PERMIT No. 40-88-0800	
SPECIAL CONDITIONS			

1-14-94
Aluminum
to call with
Pitless adaptor
depth.

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ☒ Replacement ☐
Name of Installer Fred Dickson
Name of Installer DICKSON PCB + HTG + A/C
License Number 1680
Certified Well Pump Installer ☐ Well Driller ☐ Registered Plumber ☒
Name of Property Owner Tom McNAMARA
Subdivision Crystal Clear Lot # 12 Telephone 461-9908
Site Address 13901 RYON DRIVE Well Tag # HO-82-0800

Pump	Motor	Pitless Adapter
1. Type	1. Horsepower <u>1</u>	1. Make <u>B</u>
a. Deep well jet	2. RPM	2. Model # <u>RP 10X</u>
b. Shallow well jet	3. Voltage <u>3 wire 230v</u>	3. Depth <u>4'</u>
c. Submersible ☒	a. 110	
2. Make <u>Goulds</u>	b. 220 ☒	
3. Model # <u>SES10412</u>		
4. Capacity <u>5</u> GPM		
5. Pump exceeds well capacity Yes ☐ No ☒		
6. If Yes, is low pressure cutoff switch installed? Yes ☐ No ☐		
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors ☒ Cable guards ☒ Other ☐		
Tank	Piping	Well data
1. Capacity <u>80 gal</u>	1. Type <u>NT-160</u>	1. Depth <u>400</u> ft.
2. Pressure relief valve? <u>RV-15</u>	2. Size <u>1"</u>	2. Yield <u>7</u> GPM
	3. NSF and/or BOCA Code approved ☐	3. Static water level <u>120</u> ft.
	4. Depth of supply line <u>4'</u>	4. Will water supply be disinfected by installer? <u>yes</u>

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

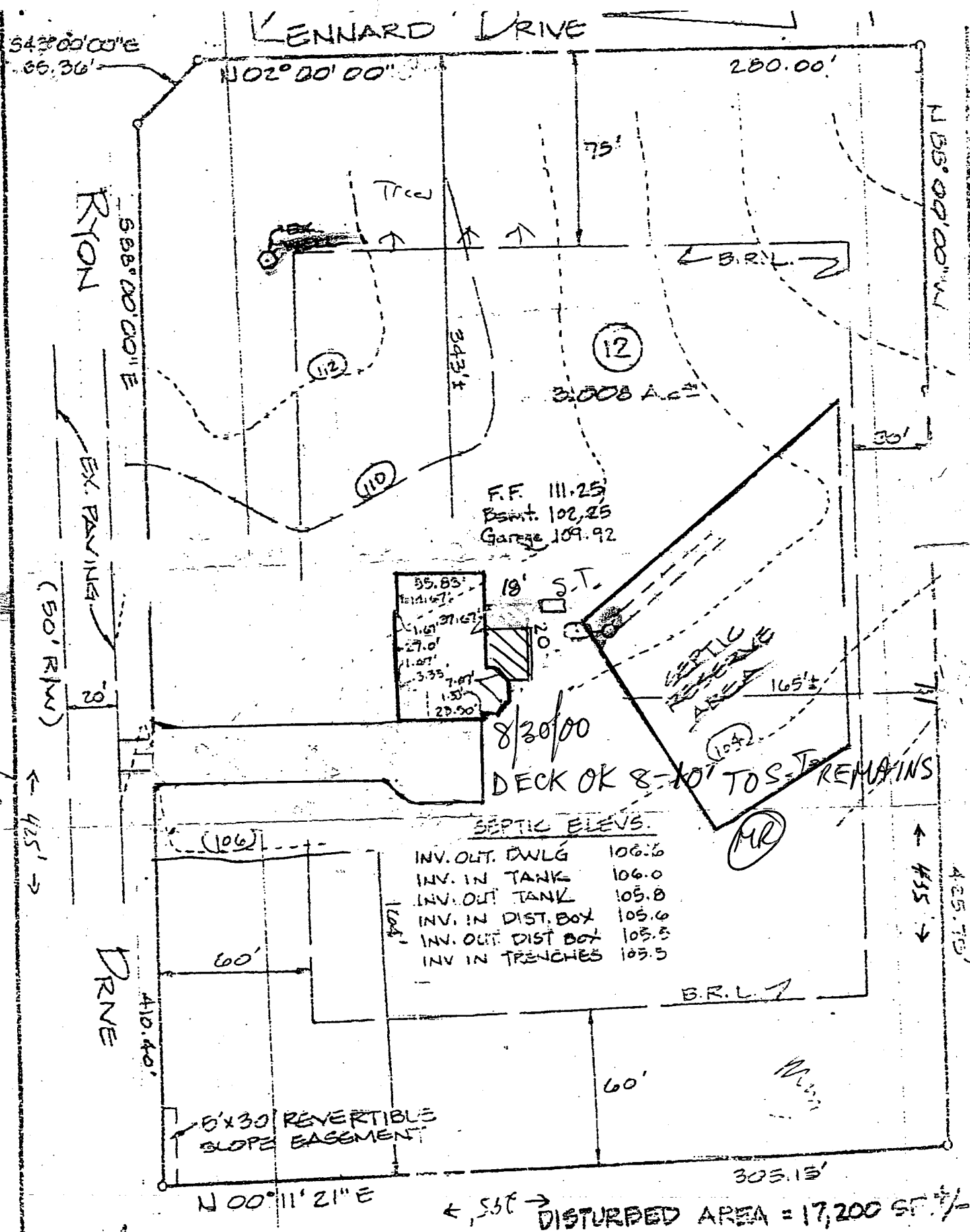
All information given above is true to the best of my knowledge.

Signature of Applicant: Fred Dickson
Date: 1-13-94

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

Subdivision Crystal Clear / Lot 12

Newton Lyons 410-4895014



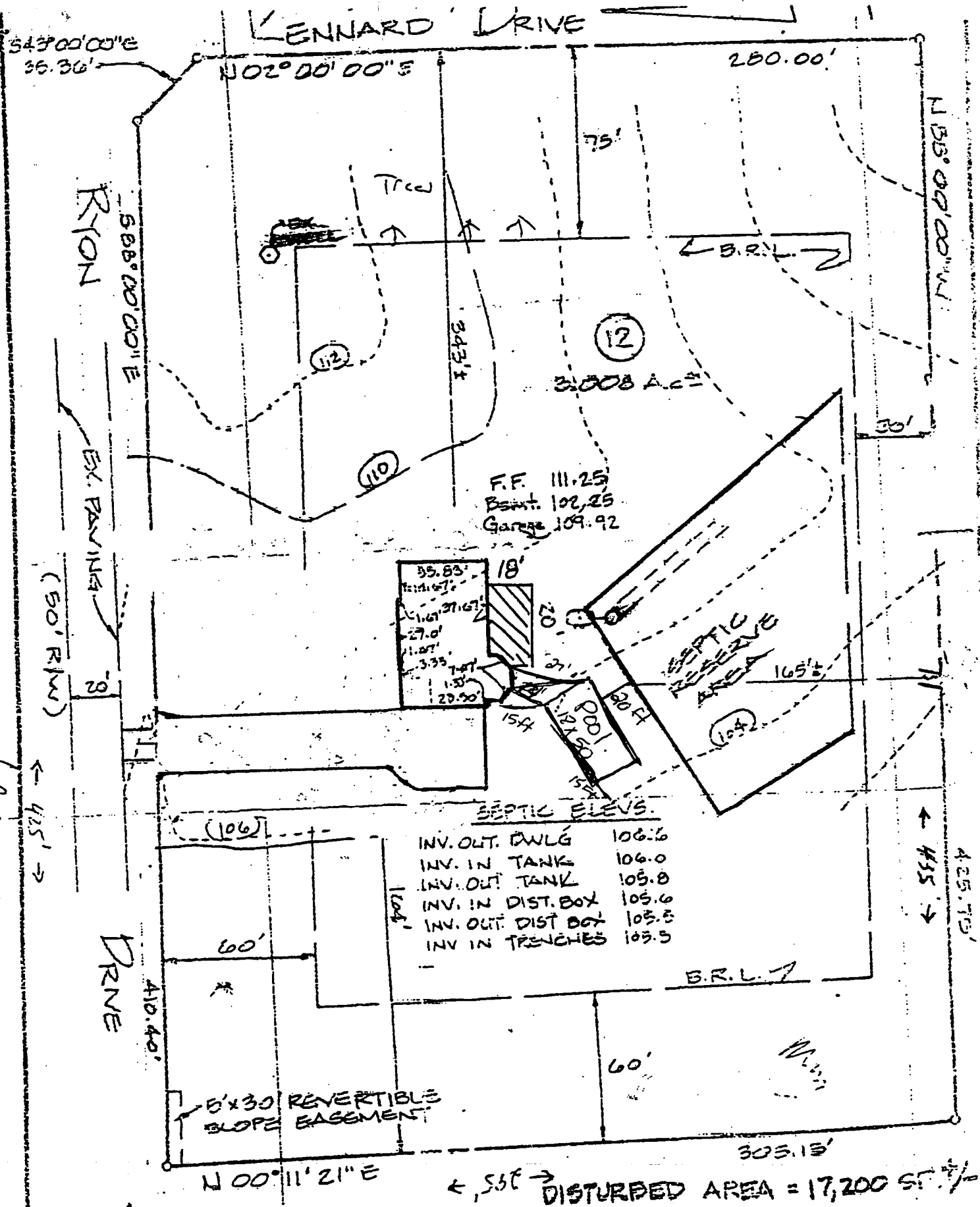
HO#

0103 - 314448

LOT 12
2000 F.V.

Subdivision Crystal Clear / Lot 12

4/10-4/8/2014

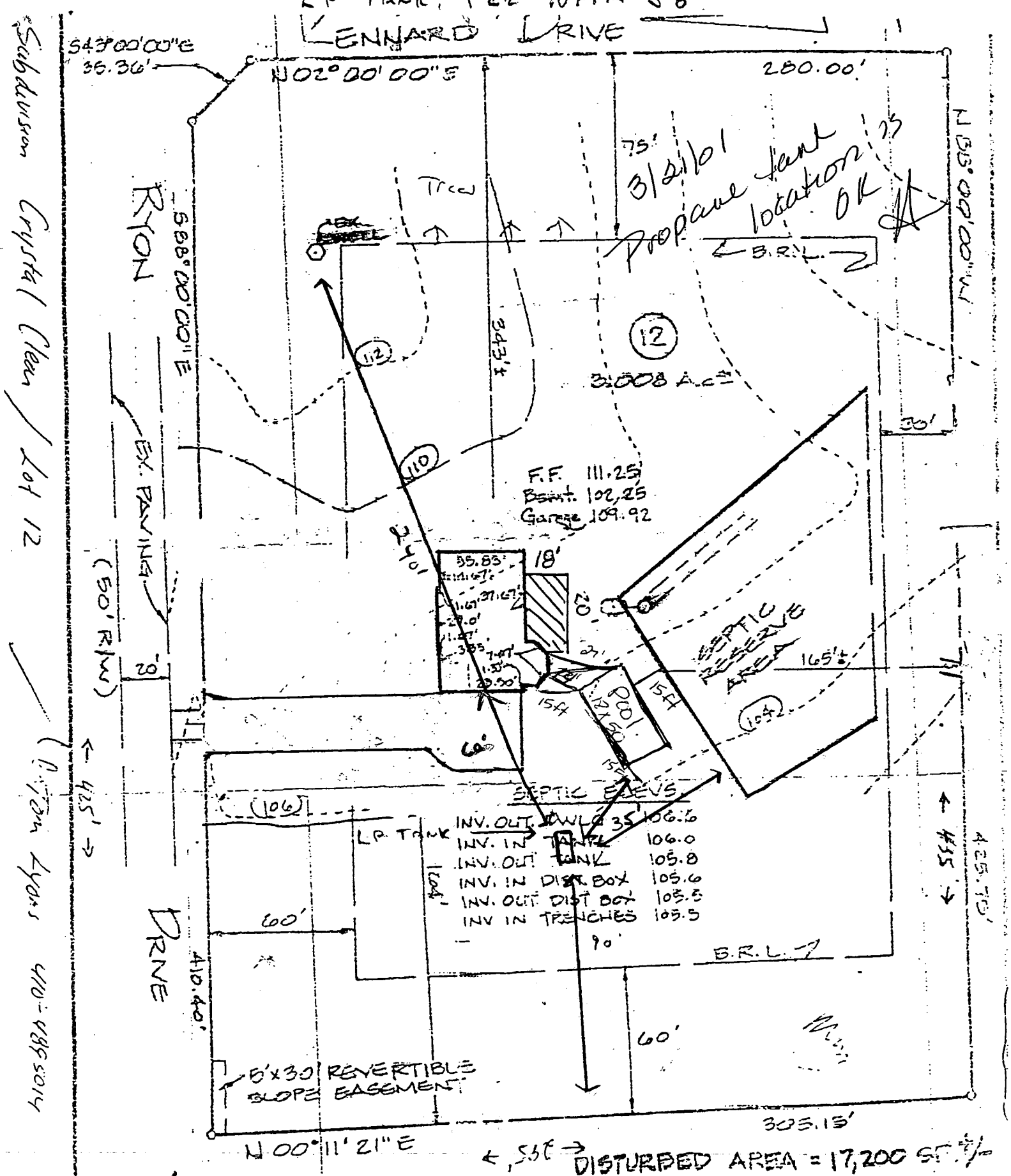


IO*

0103 - 314448 LOT 12 2000 F.V.

INSTALL (1) 500 GALLON ASMA UNDER GROUND
LP TANK, PER NFPA 58

LENNARD DRIVE



DISTURBED AREA = 17,200 SF

LOT 12

0103 - 314448

2000 F.V.

IO#