

4/19/83 Sat 11/19/83 11/22/83 as soon as possible

04-341945

approved 11-22-83 CW

PERMIT

SEWAGE DISPOSAL SYSTEM
MARYLAND STATE DEPARTMENT OF HEALTH

P 33293
A 31182

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT 4th

INDEX

DATE Sept. 22, 1983

XXXXXXXXXXXX Carroll Water System IS PERMITTED TO INSTALL ALTER
2316 Bollinger Mill Road, Finksburg, MD 21048
ADDRESS ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ PHONE ~~XXXXXXXXXX~~ 795-5715
SUBDIVISION Beetz ROAD 831 Beetz Road LOT 1
PROPERTY OWNER Howard County Association for Retarded Citizens
ADDRESS Suite 110, A-Flier Building, Columbia, MD 21044 Phone: 730-0638

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

BLDG. PERMIT SIGNED AND RETURNED 4/18/84
Serial # 33526 - prod.

Minimum total square feet for 3 bedroom, 627 sq. ft.
Trenches - 209 sq. ft. per bedroom bottom area. Trench to be 3 ft. wide. Inlet
3½ ft. below original grade. Bottom maximum depth 5½ ft. below original grade.
Effective area begins at 4½ ft. below original grade. 2 ft. of stone below distribution
pipe. NOTE: 1. No trench to exceed 100 ft. in length; 2. If more than one trench used,
a distribution box is required.

LOCATION: Start the first trench 160 ft. from the front lot line and 80 ft. from left
side line as seen when facing the lot from Beetz Rd. Continue to dig the trench on level

ground running towards the rightside line. Place the second trench parallel to downslop of,
PLANS APPROVED BY Frank Skinner and 9 ft. away from the first trench. DATE 6/22/83

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 40 PVC OR ABS.

PERMIT VOID AFTER THREE YEARS.

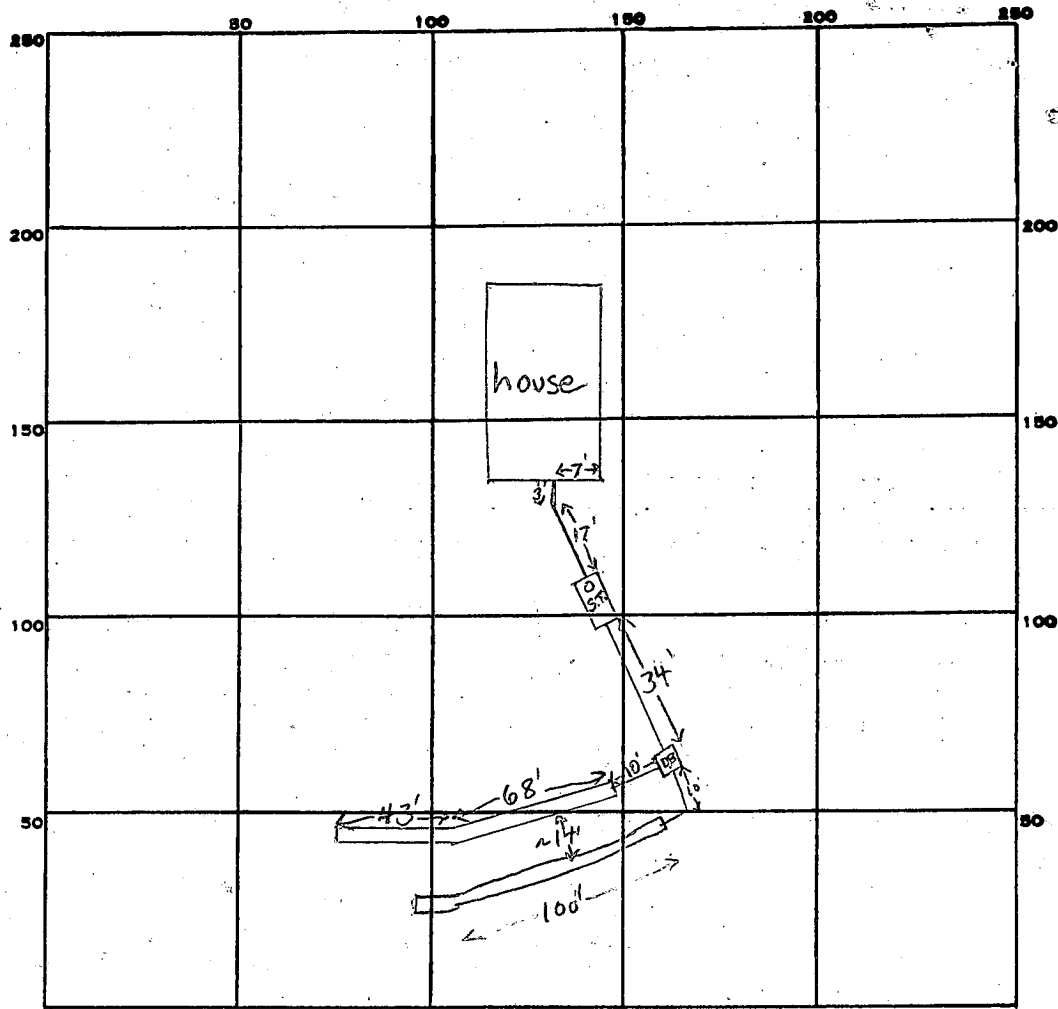
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR
PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED
Frank Skinner
Basement

BLDG. PERMIT SIGNED AND RETURNED 10/24/84
Serial # 61401

A 31182

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

***CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.**



68
43

111

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Beetz Road

PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS S.T.
O.K.

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH ~6 FT. TRENCH WIDTH 3 FT.

GRAVEL DEPTH 2 FT. TOTAL LENGTH 111 + 100 = 211 FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA 633

SEEPAGE PITS, INSIDE DIAMETER — FT. DEPTH BELOW INLET — FT.

ABSORBENT AREA 633 SQ. FT.

REMARKS 11/19/83 O.K. to put gravel & pipes in trenches - O.K. to cover from house to distribution box F.S.
House location has been turned 90° from approved plan of 7/8/83 F.S.

GRAVEL OK, COVER ALL WORK, 11-22-83 C. Willen

DATE SYSTEM APPROVED 11-22-83

INSPECTOR C. Willen

Permit

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 3/1/82

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 4th Election District

DATE February 19, 1981

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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

PROPERTY OWNER St. Michael's Roman Catholic Church, Poplar Springs, Maryland Inc.

ADDRESS 1200 St Michael's Road, Mt. Airy, Maryland 21771 PHONE _____

PROPERTY LOCATION _____

SUBDIVISION Beetz Division LOT NO #1

ROAD AND DESCRIPTION Beetz Road & Interstate Route 70

SIZE OF LOT 3.0 AC TYPE BLDG 3 to 4 bed rooms

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.

SIGNATURE OF APPLICANT Allen W. James

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 3/2/81 FOR CERTIFIED HOLES, WELL SITE,

HOUSE SITE.

C.B.D.

THIS IS NOT A PERMIT

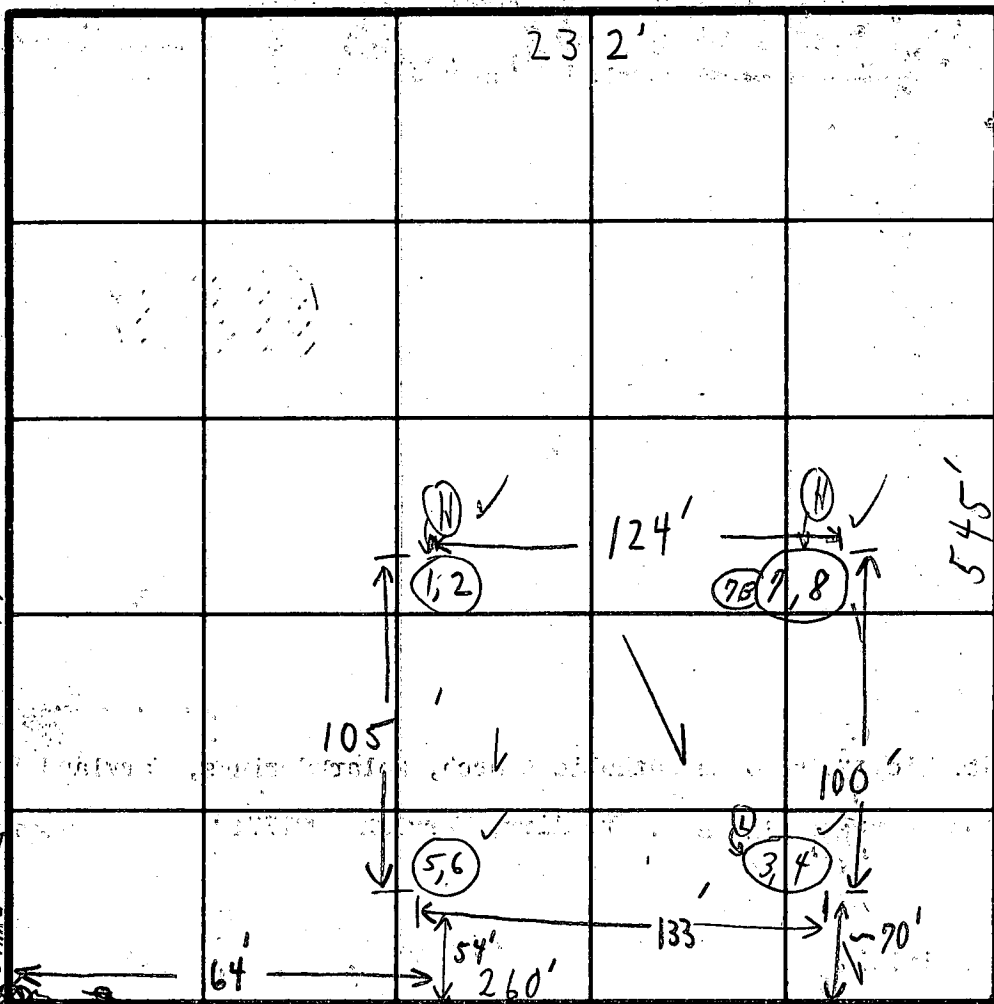
#/

SOIL PROFILE

SEE EACH HOLE BELOW



FIELD SHEET



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

BEEZE ROAD

SOIL PROFILE	DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
				START	STOP	START	STOP	
1' - 4 1/2' CLAY LOAMY & SOME WEATHERED SHALE	3/2/81	① A	3'	9:57	10:16	10:16	10:34"	10:49
1' - 5' CLAY LOAMY & SOME WEATHERED SHALE 14 1/2"	STAKE (1B)	②	8 1/2'	10:03	10:09	10:09	10:27	18m
		③	4'	9:39	9:49	9:49	10:23	3/4" X X
1' - 4' CLAY LOAMY & SOME WEATHERED SHALE	STAKE (1A)	④ 4 LOWEST	8'	9:41	9:58	9:58	10:26	28in
		⑤ A	3 A'	9:43	9:	10:13	No. - little perc.	XXX
1' - 5 1/2' CLAY LOAMY & SOME WEATHERED SHALE	STAKE (1C)	⑥	8 A'	9:44	9:50	9:50	9:56	6m
		⑦ A	3 1/2'	9:47	10:08	10:38	little perc.	XXX
⑧	STAKE (1D)	7 B	4'	10:46	10:49	10:49	11:04	15m
		8 A	9'	9:48	9:53	9:53	10:02	9m
		5 B	4'	10:30	10:47	10:47	11:15	28m
		3 B	5'	10:38	10:47	10:47	11:06	19m
1 B	4 1/2'		10:56	10:58	10:58	11:03	5m	

HOLES READY EXCEPT FOR RETEST!
 TESTS IN OPEN FIELD! PERC HOLES STAKED
 ALL HOLES SIMILAR SOIL

REMARKS

TYPE OF SOIL

TESTED BY

C.B.S.

ALSO PRESENT

{ BARNOLD
 + MAN }

⑧
 1-4' clay
 4-12" moly
 loam w/
 sand
 w/shale

4 1/2
 8 1/2
 5
 8
 17
 47

B 1 5222

SEQUENCE NO. (OEP USE ONLY)

6/28/83

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-81-0146

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

fill in this form completely

Date Received

06 01 83

OWNER INFORMATION

UNITED PLUMBING & HEAT

6547 MOBETHA WAY

SYKESVILLE MD 21784

DRILLER INFORMATION

Ronald L. Kykor 296

Westminster Rotary Well

Box 861, Westm. Md.

Ronald L. Kykor 5/27/83

B 3

LOCATION OF WELL

HOWARD

BEETZ DIVISION

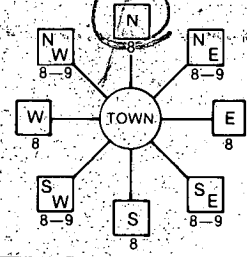
SECTION LOT 1

POPLAR SPRINGS

MILES FROM TOWN .10 MI

B 4

DIRECTION OF WELL FROM TOWN



BEETZ



325 DISTANCE FROM ROAD

ENTER FT or MI 77

B 2

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 550

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home (single or double household unit only), Farming, Industrial, Commercial, State and Federal Gov. Other, Public or private water company, Test, observation, monitoring.

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD

A 31182

COUNTY NAME, COUNTY NO., OEP SIGNATURE, DATE ISSUED, CO SIGNATURE, EXP. DATE, NORTH GRID, EAST GRID.

APPROXIMATE DEPTH OF WELL 175 FEET

APPROXIMATE DIAMETER OF WELL 6 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, 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 deepen an existing well.

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

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE FS INITIALS PERMIT NO. HO-81-0146

SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

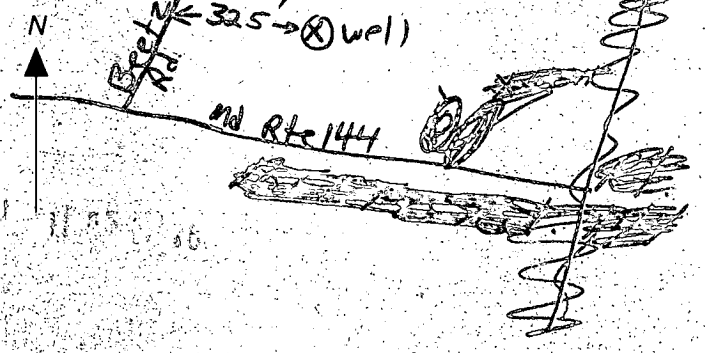
- 1. City, 2., 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

7609, 5501

Location OK, 60' casing, 2' above gr, 55' open, 25' bags cement, 6/28/83

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



C1 0745 SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER A 31182

DATE Received [] DATE WELL COMPLETED 062883
 Depth of Well 453 (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0146

OWNER United Plumbing and Heating
 STREET OR RFD last name Beetz Road first name TOWN Poplar Springs
 SUBDIVISION Beetz Division SECTION LOT

WELL LOG
 Not required for driven wells
 STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
Dirt	0	1	
Soft Brown Shale	1	43	
Hard, soft Brown Shale	43	56	X
Hard Brown Shale	56	66	X
Hard Blue Schist	66	71	
Brown Schist & Quartz	71	72	X
Blue Schist Laced w/ Blue Limestone	72	174	X
Blue Schist Laced w/ Graphite	174	280	
Blue schist Laced w/Blue & White Limestone	280	315	
Blue Limestone & Opening	315	318	X
Blue Schist Mixed Blue Limestone	318	390	X
	390	453	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N
 TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 25 NO. OF POUNDS 2,350
 GALLONS OF WATER 150
 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 59 ft.

CASING RECORD
 casing types insert appropriate code below
 STEEL ST CONCRETE CO
 PLASTIC PL OTHER OT

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)
 ST 6 61'8"

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD
 screen type or open hole insert appropriate code below
 STEEL ST BRASS BRONZE BR OPEN HOLE HO PLASTIC PL OTHER OT

DEPTH (nearest ft.)
 HO 61'8" 453
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) WQ
 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
 HOURS PUMPED (nearest hour) 6
 PUMPING RATE (gal. per min. to nearest gal.) 2.8
 METHOD USED TO MEASURE PUMPING RATE Submersible
 WATER LEVEL (distance from land surface) BEFORE PUMPING 33 WHEN PUMPING 387
 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES NO
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
 PUMP HORSE POWER 37 41
 PUMP COLUMN LENGTH (nearest ft.) 43 47
 CASING HEIGHT (circle appropriate box and enter casing height) + above - below
 LAND SURFACE 2 (nearest foot)

LOCATION OF WELL ON LOT
 SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
 BEETZ ROAD x WELL
 144

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 296
 Ronald L. Kyker
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0146
 Location of property (road) BEETZ ROAD
 Subdivision BEETZ DIVISION Lot 1 Block Plat Sec.
 Well Driller Ronald Kyker Owner United Plumbing & Heating

Depth of well 453'
 Distance of measuring point (M.P.) above ground 2 Ft.
 Static water level (S.W.L.) below M.P. 38

I. High rate pumping -- reservoir drawdown
 Time pump started 8:24 AM Pumping rate 15
 Total time 30 Mins. to reach pumping water level 264 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:24	38	4 Sec		15
8:39	145	4 Sec		15
8:54	264	5 Sec		12
9:09	346	6 Sec		10
9:24	392	22 Sec		2.7
9:39	387	22 Sec		2.7
9:54	387	21 Sec		2.8
10:09	386	21 Sec		2.8
10:24	384	20 Sec		3.0
10:39	387	20 Sec		3.0
10:54	388	21 Sec		2.8
11:09	387	21 Sec		2.8
11:24	387	21 Sec		2.8
11:39	386	21 Sec		2.8
11:54	386	21 Sec		2.8
12:09	386	21 Sec		2.8
12:24	386	21 Sec		2.8
12:39	386	21 Sec		2.8
12:54	386	21 Sec		2.8
1:09	386	21 Sec		2.8
1:24	387	21 Sec		2.8
1:39	387	21 Sec		2.8
1:54	385	21 Sec		2.8
2:09	385	21 Sec		2.8

S 22° 41' 27" W · 232.85'

LOT 1
3.000 AC±
PLAT # 5021

LOT 2

S 64° 27' 28" E · 517.90'

N 67° 18' 33" W · 545.00'

N 28° 48' 50" E · 269.10'

BEETZ

ROAD

SEPTIC SYSTEM
 INV. @ VIA · 95.00
 250 GALLON SEPTIC TANK W/ MANHOLE
 EX. GRADE - TOP OF TANK · 97.00
 IN. GRADE @ TOP OF TANK · 98.00
 INV. IN · 94.58 INV. OUT · 94.25

TRENCH ① · 70 L.F.
 EX. GR. 96.64
 INV. 93.14
 BOTTOM 91.64

TRENCH ② · 70 L.F.
 EX. GR. 96.00
 INV. 92.50
 BOTTOM 91.00

TRENCH ③ · 70 L.F.
 EX. GR. 95.00
 INV. 91.50
 BOTTOM 90.00

Scale 1" = 50'

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

BEETZ DIVISION
SECTION I LOT I

sliding glass
4'x6' deck
w/ ramp 8.3%

24'x4'
walkway

DE Filter w/
1 hp motor
on pad

5' stockade
fence

18' x 36'
in ground pool

3' concrete
deck

6/18/90
OK to sign
R.H.

