

9/19/84
am. trench

05-364070

approved 9/19/84
Stayer

PERMIT

P 34342

A 29009

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

ELLICOTT CITY

BUREAU OF ENVIRONMENTAL HEALTH

DISTRICT 5th

~~992-2330~~ 461-9933

INDEXED

DATE 9/11/84

Van Sant Plumbing and Heating, Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS 5 North Main Street, Mt. Airy, MD 21771

PHONE 829-0444

SUBDIVISION Broadwater Estates

ROAD 5689 Chamblis Drive

LOT 4

PROPERTY OWNER Steven Haas

8494 Imperial Drive

ADDRESS Laurel, Maryland 20708

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

GARBAGE GRINDER? YES _____ NO X

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

Dry well - 120 sq. foot sidewall area per bedroom. Dry well inlet maximum to be 4 feet below original grade and dry well bottom to be 10 feet below original grade. Place the dry well 110 feet from the left lot line and 160 feet up from the left front corner point (along left lot) line as seen when facing the lot from Chamblis Drive per platt. Or if dry well and trench used need: (1) 2 inspections of trench before and after stone installed. (2) Run trenches on contour. (3) 5' earth buffer between dry well and trench. (4) If trench only to be used, then 158 sq. ft. sidewall absorption area per bedroom (one side of trench only) is required.

PLANS APPROVED BY C. B. Streaker

DATE 12/31/79

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.

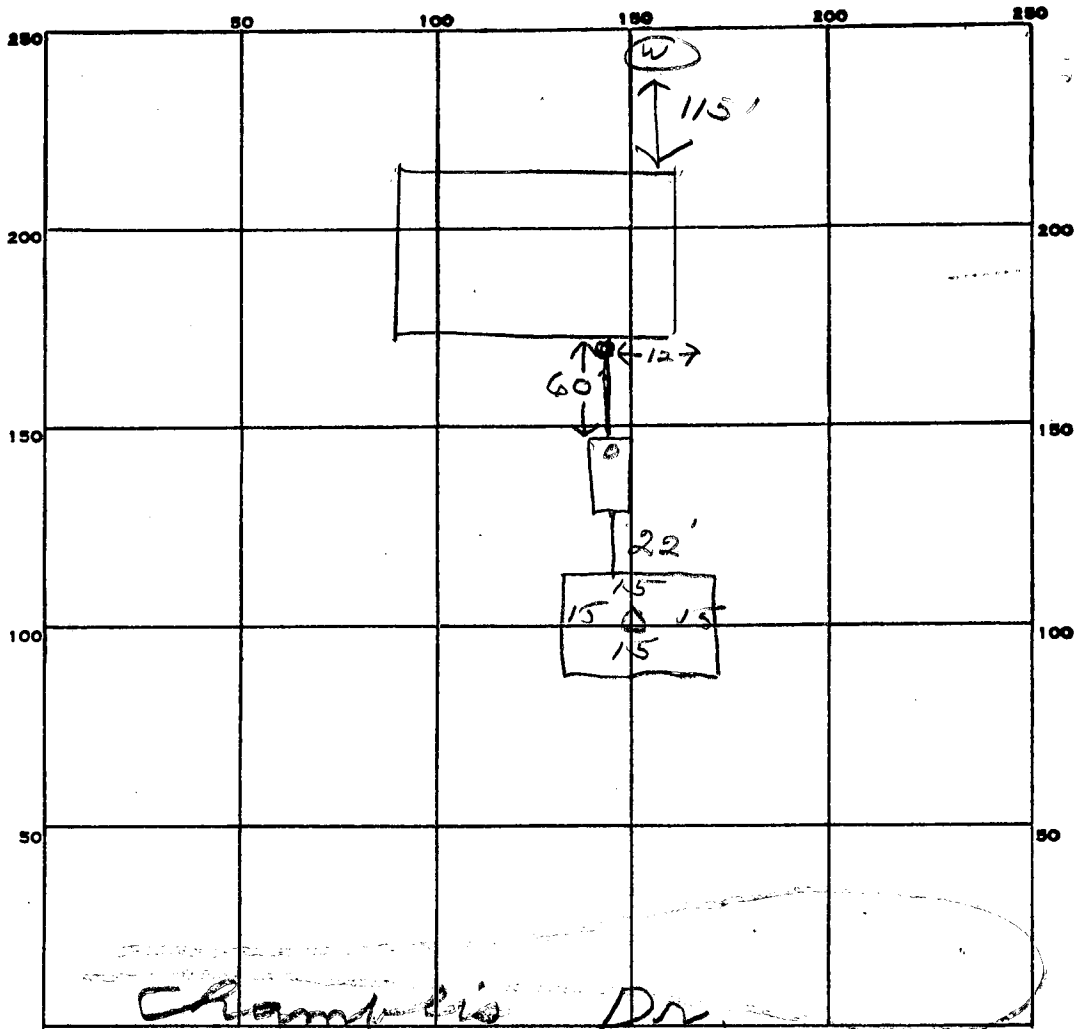
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 29009



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD

SEPTIC TANK, LEVEL 1250

CLEANOUTS ST/DW

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH 10 FT. TRENCH WIDTH 2 FT.

120
260

GRAVEL DEPTH 6 IN. TOTAL LENGTH 20 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 120

SEEPAGE PITS, INSIDE DIAMETER 60 FT. DEPTH BELOW INLET 6 FT.

ABSORBENT AREA 480 SQ. FT.

REMARKS 9/19/84 OK to add stone in trench of
9/19/84 OK to cover all work of

DATE SYSTEM APPROVED 9/19/84

INSPECTOR Stager

#4 BROADWATER ESTATES

3 BEDROOMS - 1000 GALLON TANK
4 BEDROOMS - 1250 GALLON TANK

DRY WELL - 120 square foot sidewall area per bedroom. Dry well ~~EFFECTIVE~~
~~(TRENCH TO BE 4 1/2' AND DRY WELL)~~
inlet maximum to be 4 feet below original grade and dry

well bottom to be 10 feet below original grade. Place the dry well 110
feet from the LEFT lot line and 160' feet from the ^{UP} LEFT FRONT CORNER POINT
LEFT LOT
(ALONG line as seen when facing the lot from CHAMBLIS DR. ~~PER~~ PLATT.)

⊕ OR IF DRYWELL + TRENCH USED - NEED:

- (1) 2 inspections of trench before and after stone installed.
- (2) Run trenches on contour.
- (3) 5' earth buffer between dry well and trench.
- (4) If trench only is to be used then 158 SQ. FT. sidewall absorption area per bedroom (ONE SIDE OF TRENCH ONLY) is required.

Permit

APPLICATION

A 29009

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

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

DISTRICT 5th

⊗ *See attached sheet for specs*

DATE 10/11/78

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 Archie W. Broadwater

ADDRESS 5435 Broadwater Lane, Clarksville, Md, 21029 PHONE _____

PROPERTY LOCATION:

SUBDIVISION Broadwater Estates LOT NO. 4

ROAD AND DESCRIPTION off Broadwater Lane 5689 Chamblis Drive

SIZE OF LOT 3.2 acres m/1 TYPE BLDG. 3 or 4 bedrooms

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 /s/ Jack T. Gibson

APPROVED BY C. B. Shrecker FOR ⊗ Dry Well & low " + trench DATE 12/31/79

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

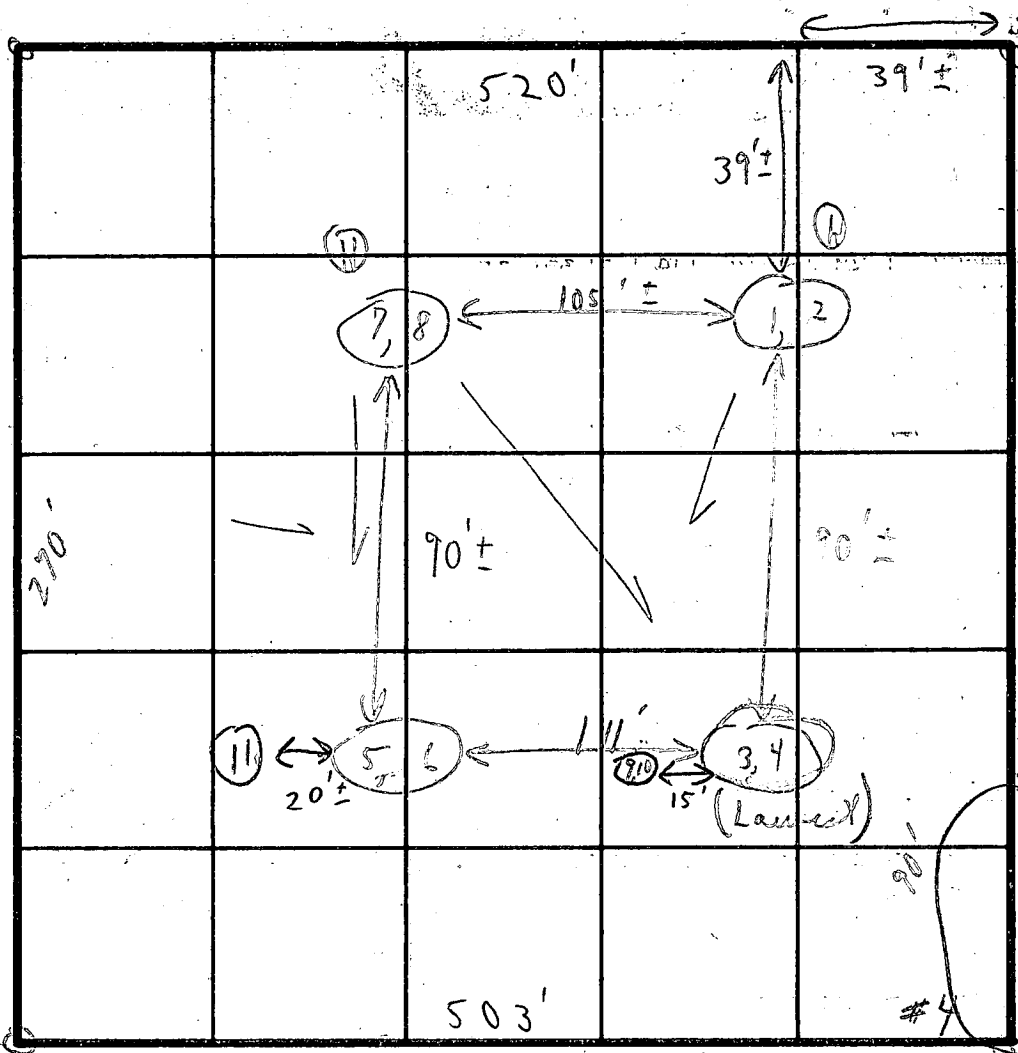
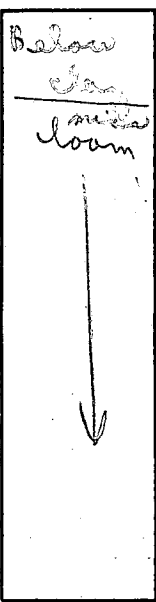
REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 11/18/84
Health 59350

THIS IS NOT A PERMIT

#4
4

SOIL PROFILE



Field sheet
Tests per notes

Cal. De. doc

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/21/78	1	4'	9:47	9:49	9:49	9:52	3m
	2 (H)	9'	9:46	9:48	9:48	9:50	2m
	3A	6 1/2'	9:41	10:07	10:07	10:37 1/4	OK
	4	9'	9:42	9:47	9:47	9:55	11m
	5	4'	9:54	9:55	9:55	9:59	2m
	6	8 1/2'	9:56	9:58	9:58	10:00	2m
	7	5'	10:02	10:05	10:05	10:10	5m
	8	8 1/2'	10:08	10:11	10:11	10:16	5m
	3B	7'	10:56	11:04	11:04	11:19	15m
11/24/78	9	4'	3:25	3:26	3:26	3:28	2m
	10	9'	3:23	3:28	3:28	3:33	5m
	11	4 1/2' - 12' down					

int 4 off 4 1/2
map 10

M. M. B.
C. B. C.

13' deep day
M.M.B.
(13' deep day)
(12' deep day)
(13' deep)
(12' deep)

REMARKS (Tests in open field)

TYPE OF SOIL

TESTED BY C. B. C. M. M. B. ALSO PRESENT T. Wilson & other 2 men of yesterday

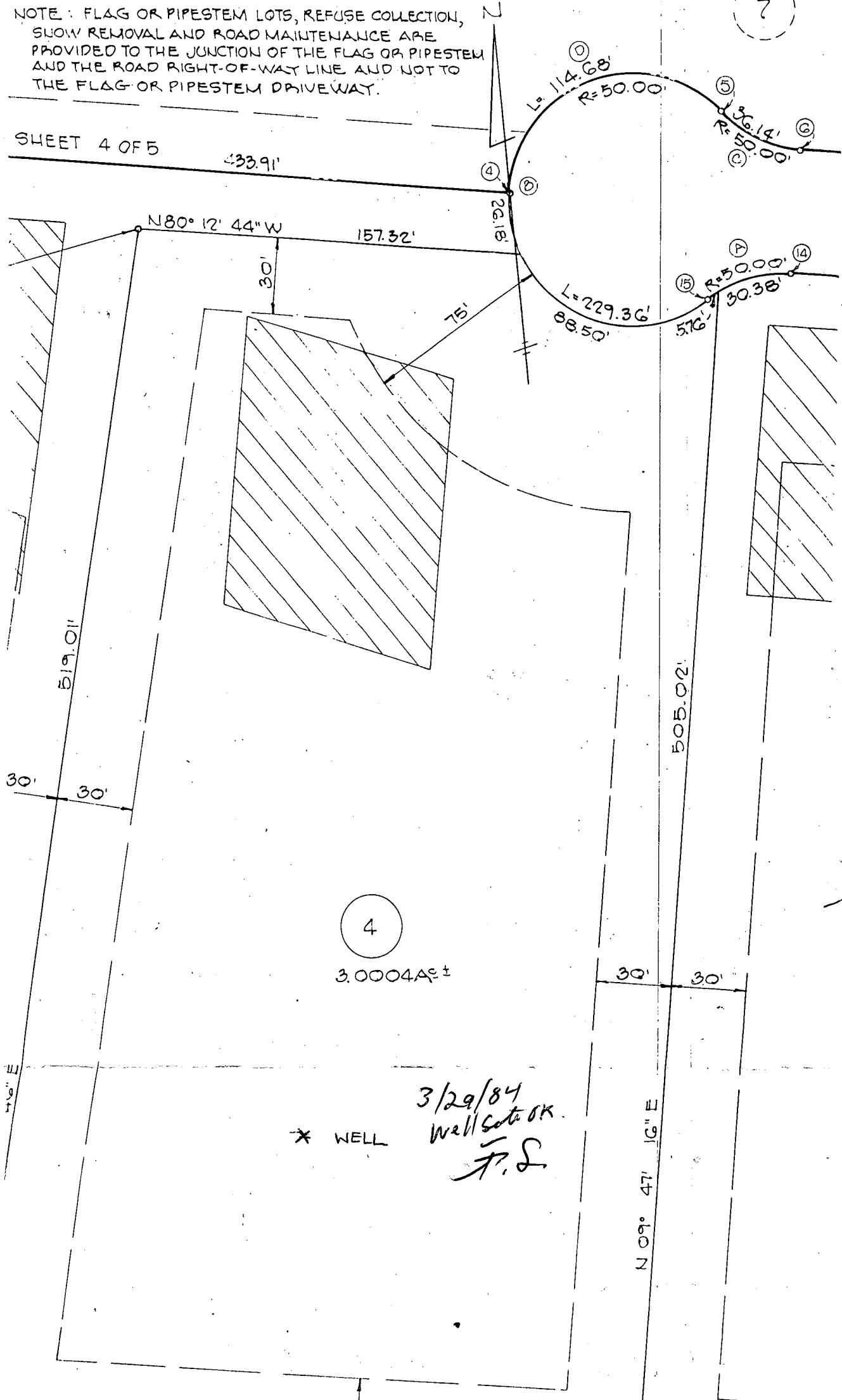
COORDINATES

No.	NORTH	EAST	B	31,435.87	29,948.05
1	30,813.16	30,134.90	9	31,427.37	29,997.32
2	30,967.24	29,162.05	10	31,398.48	30,017.71
3	31,513.49	29,203.96	11	31,359.90	30,241.39
4	31,439.73	29,631.56	12	31,310.63	30,232.89
5	31,462.56	29,719.79	13	31,312.67	30,221.07
6	31,444.62	29,750.26	14	31,395.35	29,741.76
7	31,415.48	29,919.16	15	31,388.65	29,707.04

BROADWATER ESTATES
 LOT 4
 STEVEN HAAS
 WORK ~~730-6415~~
 494-5980

NOTE: FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SLOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD RIGHT-OF-WAY LINE AND NOT TO THE FLAG OR PIPESTEM DRIVEWAY.

SHEET 4 OF 5



7

B 1 7918

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-81-0473

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

please print or type

fill in this form completely

Date Received

02/21/84

OWNER INFORMATION

H A A S S T E V E N

8494 IMPERIAL DR.

LAUREL MD 2020208

DRILLER INFORMATION

Ralph MAYNE License No. 80 223

Ralph Mayne (well Drilling)

9120 Brown Church Rd. Mt. Airy MD

Ralph Mayne 2122/84

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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)

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered)
AIR-ROtary
CABLE
JETTED
ROTARY (Hydraulic Rotary)
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 DEEPEM 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 AS PERMIT No. 40-81-0473

SPECIAL CONDITIONS

LOCATION OF WELL

HOWARD COUNTY

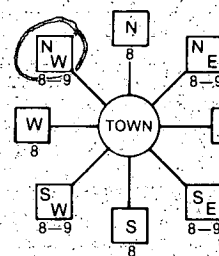
BROADWATER EST

SECTION 1-1 LOT 4

CLARKSVILLE

MILES FROM TOWN (enter 0 if in town) 1 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



CHAMBLIS DR. NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) WEST

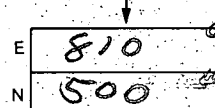
DISTANCE FROM ROAD 250 ENTER FT or MI

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD A 29009 COUNTY NO.
OEP SIGNATURE Frank Shum 9/29/84 STATE HEALTH INSERT S
DATE ISSUED 032984 CO SIGNATURE EXP. DATE
NORTH GRID 504000 EAST GRID 0810000

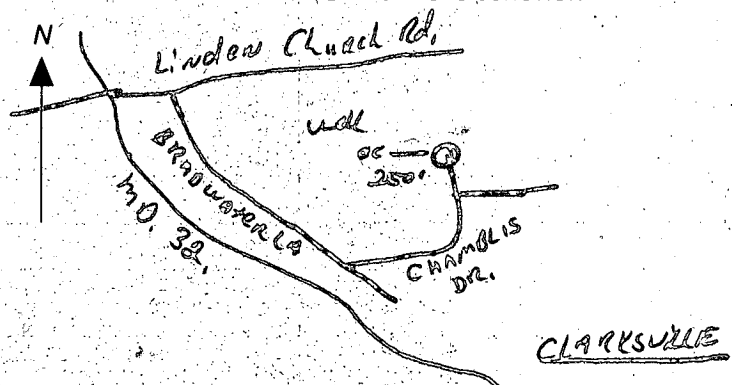
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

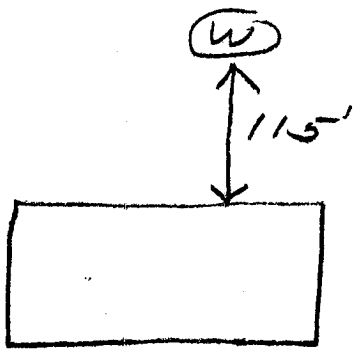
SOURCES OF DRILLING WATER 1. well
WRITE THE BOX NUMBER FROM THE MAP HERE



Location OK
34' casing
32' open
8 bags cement
AWELL 4/24/84

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





Chamblio Drive

9/19/84 Pitless + lines installed at 4 ft below grade. No work completed inside house. JS

C1 3353 SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER A 29009

DATE Received 022784 DATE WELL COMPLETED 4 2784

Depth of Well 205 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0473

OWNER: HAA S STEVEN last name first name STREET OR RFD CHAMBLIS DR TOWN CLARKSVILLE SUBDIVISION BROADWATER EST SECTION LOT 4

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: Top Soil, shale, mica, sandstone, mica.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 8, NO. OF POUNDS 752, GALLONS OF WATER 48, DEPTH OF GROUT SEAL 32 ft.

CASING RECORD: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE PL, Nominal diameter 6 inch, Total depth of main casing 34 feet.

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

SCREEN RECORD: screen type or open hole (ST, BR, HO, PL, OT), SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN 56-60 INCH

GRAVEL PACK: IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68, OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

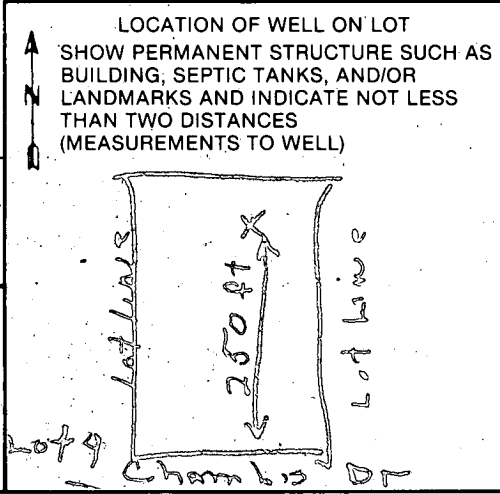
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

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...

DRILLERS IDENT. NO. 273 DRILLERS SIGNATURE (Must match signature on application) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

PUMPING TEST: C 3, HOURS PUMPED 3, PUMPING RATE 47 gal. per min. to nearest gal., METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 27, WHEN PUMPING 50, TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES NO, IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE, TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE, PUMP HORSE-POWER, PUMP COLUMN LENGTH, CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

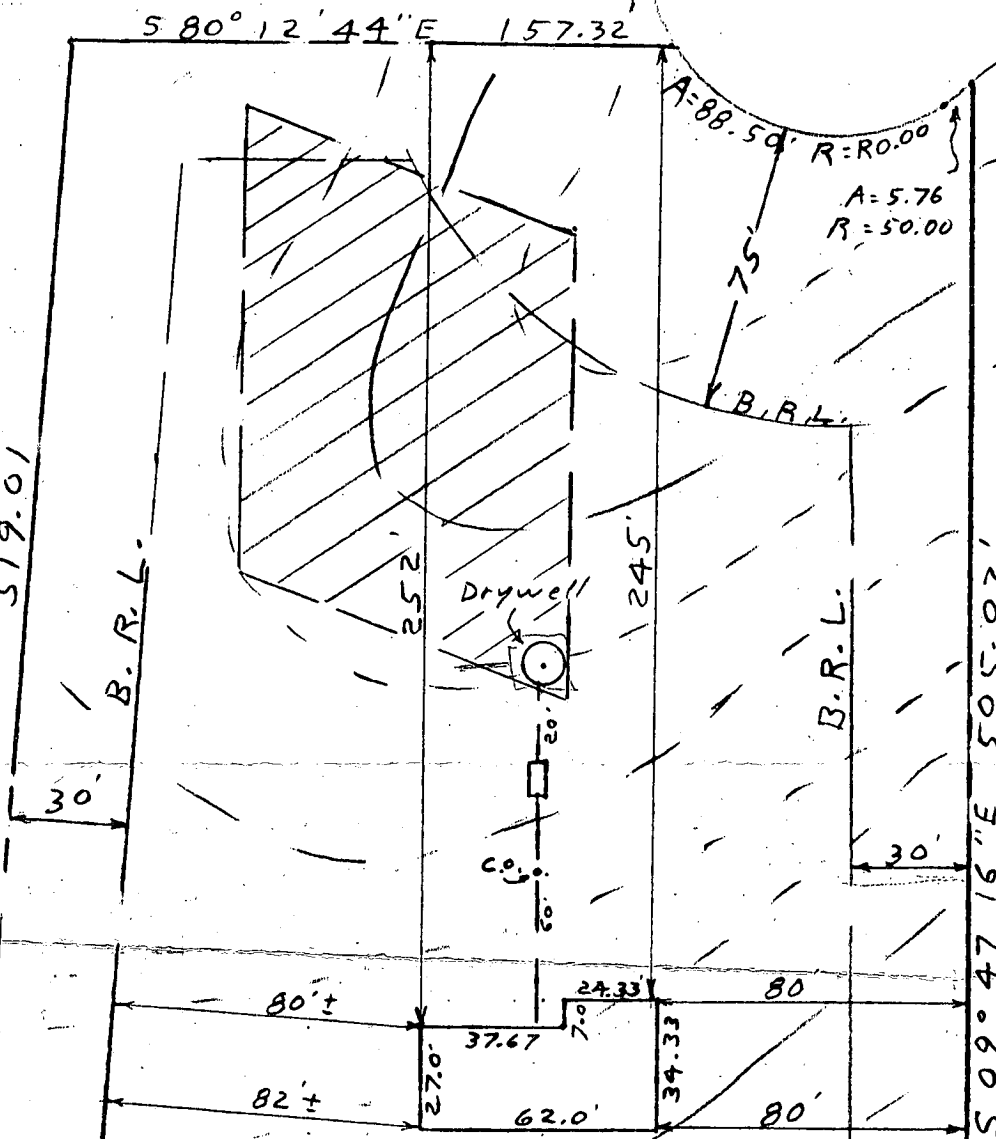


William E. Doyle

LAND SURVEYOR 8440

5312 EMERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE (301) 795-2210

CHAMBLIS DRIVE



540
 542
 544
 546
 548
 550

9/11/84
 Sketch of F.S.

PLOT PLAN
 LOT 4, CHAMBLIS DRIVE
 BROADWATER ESTATES
 ELECTION DISTRICT 5
 HOWARD COUNTY MD.
 SCALE: 1" = 50'
 DRAWN: MAY 14, 1984

EXIST. GRN. at DRYWELL 542.00
 INV. in --- DRYWELL 538.00
 INV. out SEPTIC TANK 538.40
 INV. in SEPTIC TANK 538.80
 INV. out of DWELLING 540.00
 FIRST FLOOR ELEV. 552.00
 CELLAR ELEV. 543.00
 WELL ELEV. 554.00
 No. of BEDROOMS 3
 ACREAGE 3.0004 AC

Existing Well

LOT 4

B.R.L.

I CERTIFY THE ABOVE MEASUREMENTS
 AND ELEVATIONS ARE ACTUAL AND
 CORRECT FOR THIS PROPERTY.
 signed William E. Doyle



N 81° 00' 00" W 274.55
 356

FILE No. 156-31