

C1 07595

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. ON JRU 8/13/00

COUNTY NUMBER A59276R

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well 22 185 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2549

OWNER Tibi Homes last name first name STREET OR RFD Cattail Oaks TOWN Greenwood SUBDIVISION Placettfields@Cattail SECTION LOT 13

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include Top Soil, Sandy, Sand Stone, MICKA, Sand Stone, MICKA.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 15 NO. OF POUNDS 1500 GALLONS OF WATER 90 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 30+ ft.

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 50

OTHER CASING (if used)

Table for OTHER CASING with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD

screen type or open hole insert appropriate code below HO OPEN HOLE

DEPTH (nearest ft.) 1: 2 HO 48 185

Table for SCREEN RECORD with columns: E A C H S R E E N, 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 from 60 to

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

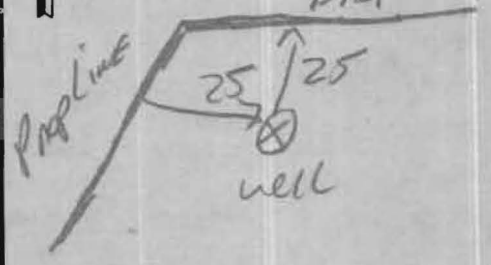
HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 33 ft. WHEN PUMPING 47 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. 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 LAND SURFACE - below 2 (nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES Y NO N

CIRCLE APPROPRIATE LETTER 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 26.04.04 "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 LIC. NO. MS D 116 DRILLERS SIGNATURE

LIC. NO. MS D 117

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

B 1 1903

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2549 fill in this form completely

Date Received (APA)

01 02 00

OWNER INFORMATION

TBI HOMES INC
Last Name Owner First Name
7320 GRACE DR.
Street or RFD
Columbia MD 21044
Town State Zip

B 3

LOCATION OF WELL

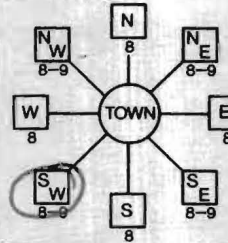
Howard
COUNTY
Peace Fields CATTAIL Creek
SUBDIVISION
SECTION - LOT 13
Glenwood
NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) I M I

DRILLER INFORMATION

Ralph MAYNE M SD 17
Driller's Name License No.
Ralph MAYNE well drilling
Firm Name
9120 Brown Church Rd W.H. Arig
Address
Ralph MAYNE 12-22-99
Signature Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Cattail Oaks
NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH
WEST SOUTH EAST
34 1200 37
DISTANCE FROM ROAD ENTER FT OR MI 38 39
TAX MAP: BLK: PARCEL

WELL INFORMATION

APPROX. PUMPING RATE 5
(GAL. PER MIN.)
AVERAGE DAILY QUANTITY NEEDED 500
(GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION
INDUSTRIAL, COMMERCIAL, DEWATERING
PUBLIC WATER SUPPLY WELL
TEST, OBSERVATION, MONITORING
GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard CO A59276R
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 011100 A M J M L L O 011101
CO SIGNATURE EXP. DATE
NORTH GRID 522 000 EAST GRID 790 000

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary DRive-POINT
other

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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

E 290
N 500 522

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



Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER HO 99 GAP 6015
PERMIT No. HO-94-2549

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2548
 Location of property (road) Cattail Oaks
 Subdivision Peacefields @ Cattail Lot 13 Block _____ Plat _____ Sec. _____
 Well Driller Ralph Mayne Owner TBI Homes

Depth of well 185'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 33'

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 15 GPM
 Total time 15 min to reach pumping water level 47' 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 <u>5</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)	
8:15	47 #	4 Sec		15 GPM	
8:30	47 #	4 Sec		15 GPM	
8:45	47 #	4 Sec		15 GPM	
9:00	47 "	4 "		15 "	
9:15	47 "	4 "		15 "	
9:30	47 "	4 "		15 "	
9:45	47 #	4 Sec		15 GPM	
10:00	47 #	4 Sec		15 GPM	
10:15	47 #	4 Sec		15 GPM	
10:30	47 "	4 "		15 "	
10:45	47 "	4 "		15 "	
11:00	47 #	4 Sec		15 GPM	
11:15	47 #	4 Sec		15 GPM	

SK PLUMBING HTG INC (410) 775-0522

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (2000 Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: SK Plumbing & Heating Inc. Telephone #: 410-775-0522
Address: 1220 F.S. Kellam
Kempes MD 21157

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Vincent Kaur License: 12285
*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: FRANK HERRS Telephone #: 410-313-8722
Subdivision: Rockfields Lot #: 19 Well Tag #: HO-94-2549
Site Address: 15513 Cathol Crabs

Submersible Pump Data **Pitless Adapter** **Well Cap and Electric Conduit**
Make: Sutco Make: Unbranded Two piece watertight cap: yes
Model #: 3/4 h.p. Model: Advised Screened, vented well cap: yes
Pump Capacity: 10 GPM Depth: 42" (36" min) Cap secured to casing: yes
Well Yield: 15 GPM NSF approved: yes Conduit min 18" B.G.: yes
Depth of well encountered at time of pump installation: 105 (feet) Conduit secured to well cap: yes
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque wrenches or Cable guards are required - Must circle one: Sleeve
Safety rope, if used, attached to inside of well casing with eye bolt: yes

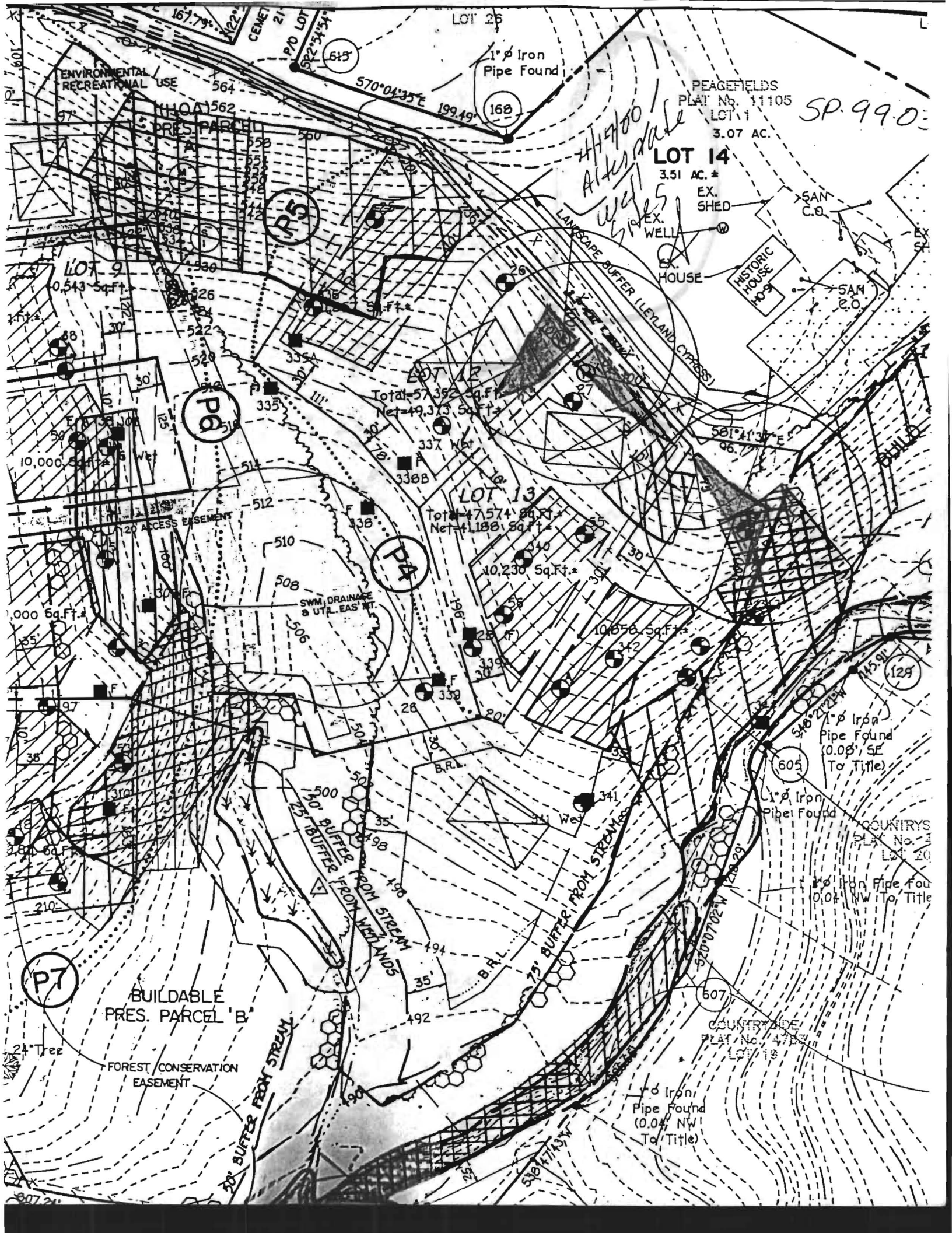
Piping to house **House Connection**
Type: P.P. PVC sleeved to undisturbed soil at well penetration: yes
PSI: 160 (160 psi min) Approximate length of sleeve: 5' to 7'
Depth of supply line: 36" (36" min) Sleeve caulked and sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: [Signature] date: 10-15-01

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 8/6/01 Date Insp. Approved: 8/6/01 (BB) SRU
Inspection Data: Pitless adapter and water supply line at least 36" below grade ✓
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓
Safety rope installed inside of well casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓
Water supply line sleeved adequately at house connection ✓
Adequate ground observed below pitless adapter ✓



PEAGEFIELDS
PLAT No. 11105
LOT 11
3.07 AC.

SP. 99.0

LOT 14
3.51 AC. #

EX. SHED
EX. WELL
EX. HOUSE

HISTORIC HOUSE

LOT 26

1" ϕ Iron Pipe Found

570°04'35"E 199.49'

645'

168'

ENVIRONMENTAL RECREATIONAL USE

THOAT 1562

PRES. PARCEL

LOT 9
0.543 Sq.Ft.

Total 57,352 Sq.Ft.
Net 49,373 Sq.Ft.

LOT 13
Total 47,574 Sq.Ft.
Net 41,188 Sq.Ft.

10,230 Sq.Ft.

10,050 Sq.Ft.

BUILDABLE PRES. PARCEL 'B'

FOREST CONSERVATION EASEMENT

COUNTRY PLAT No. 4785
LOT 20

1" ϕ Iron Pipe Found (0.08' SE To Title)

1" ϕ Iron Pipe Found (0.04' NW To Title)

COUNTRY PLAT No. 4785
LOT 18

1" ϕ Iron Pipe Found (0.04' NW To Title)

P7

P6

P4

P5

605

607

129

B.R.L.

B.R.L.

B.R.L.

Tree

Tree

20' BUFFER FROM STREAM

25' BUFFER FROM WETLANDS

35' BUFFER FROM STREAM

LANDSCAPE BUFFER (LEYLAND CYPRESS)

44400 Alderdale
wells

