

C1 - 1397

SEQUENCE NO. (DENV 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-43461

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER: T. H. J. CON... STREET OR RFD: ... TOWN: ELK GROVE SUBDIVISION: ... SECTION: ... LOT: ...

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes handwritten entries like Topsoil, Sand, Gravel, Clayey sand, etc.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 32, NO. OF POUNDS: 115

CASING RECORD: casing types insert appropriate code below. Codes: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER)

MAIN CASING TYPE: Nominal diameter top (main) casing (nearest inch), Total depth of main casing (nearest foot)

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

SCREEN RECORD: screen type or open hole, insert appropriate code below. Codes: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER)

SCREENING: SLOT SIZE, DIAMETER OF SCREEN (NEAREST INCH), GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

PUMPING TEST: HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min. to nearest gal.) 89, METHOD USED TO MEASURE PUMPING RATE: Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 17, WHEN PUMPING 154, TYPE OF PUMP USED (for test): A (air), P (piston), T (turbine), C (centrifugal), R (rotary), O (other), J (jet), 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 (nearest ft.), CASING HEIGHT (circle appropriate box and enter casing height) above/below LAND SURFACE (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) line

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 IDENT. NO. 46

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (E.R.O.S.), W Q (74, 75, 76), TELESCOPE CASING, LOG INDICATOR, OTHER DATA

COUNTY

B 1 **2210** SEQUENCE NO. (DP USE ONLY)

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

STATE OF MARYLAND
PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
40-88-1258
 fill in this form completely

Date Received (APA) _____

OWNER INFORMATION

8 **John** 13 **son** Owner
 15 **John** 34 **son** First Name

36 **112 Baltimore** 55 **Avenue** Street or RFD

57 **Ferndale** 76 **MD 21061** Town State Zip

B 3 **LOCATION OF WELL**

1 **Howard** 21 **County**

23 **DAVID DAVIS** 42 **Prop** SUBDIVISION

SECTION **44** 46 LOT **1** 48 50

52 **Elkridge** 71 NEAREST TOWN

52 **2** 73 **MI** 76 77 78 MILES FROM TOWN (enter 0 if in town)

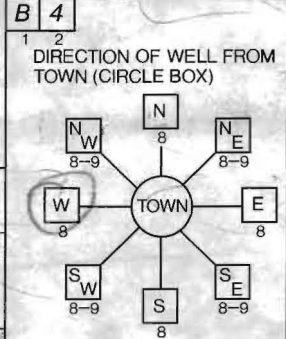
DRILLER INFORMATION

Driller's Name **Frank Delp** 77 License No. **4153**

Firm Name **Frank's Well Drilling, Inc.**

Address **18234 Shop Rd Mt Airy Md**

Signature **Frank Delp** Date **11/7/89**



LANDING RD 11 30 NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 **100** 37 **47** DISTANCE FROM ROAD ENTER FT or MI

B 2 **WELL INFORMATION**

APPROX. PUMPING RATE (GAL. PER MIN.) **5** 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500** 14 20

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

HOWARD COUNTY NAME COUNTY NO. **43461**

STATE SIGNATURE _____ DATE ISSUED **03/15/90** INSERT S _____

43 **Charles B...** 48 CO SIGNATURE EXP. DATE **9/15/90**

NORTH GRID **504000** 50 55 EAST GRID **0869000** 57 63

APPROXIMATE DEPTH OF WELL **200** 24 28 FEET

APPROXIMATE DIAMETER OF WELL _____ NEAREST INCH

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 _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- well**
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

869 **55909**

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

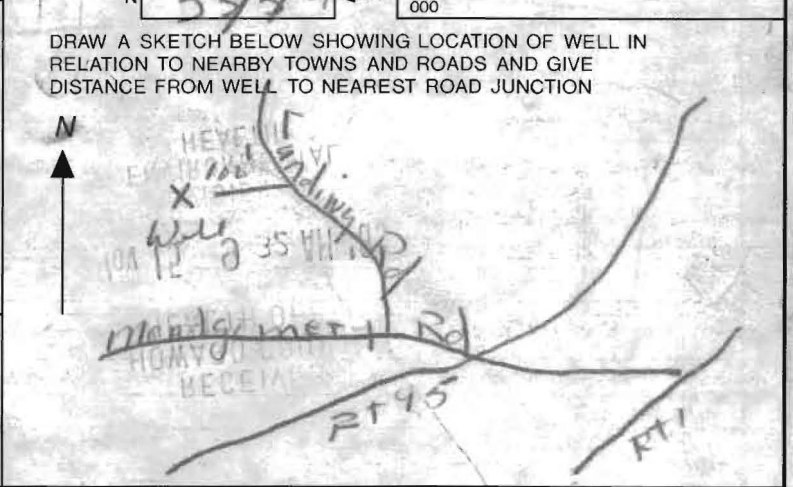
THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 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) 41 _____ 52



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

APPROX. PERMIT NUMBER _____ 54 63

FORCE **94** 67 68 WRITE INITIALS IN BOX PERMIT No. **40-88-1258** 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS **760-11651 #/799-2126 W**

COUNTY

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

8/3/90 OK to issue
Final
C.R.D.

APPLICATION FOR PITLESS ADAPTER WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # 46324
Date 8/3/90

Name of Installer L. David Easterday

Telephone 301-831-5170

License Number _____
Certified Well Pump Installer Well Driller _____ Registered Plumber _____

Name of Property Owner Fred Johnson Telephone 799-2126
Subdivision David Prop Lot # 1 Well Tag # HO-88-1258
Site Address Landing Rd

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible
- Make Boyle
- Model # 36805422
- Capacity _____ GPM
- Pump exceeds well capacity Yes _____ No
- If Yes, is low pressure cutoff switch installed? Yes _____ No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards _____ Other _____

Motor

- Horsepower 1/2
- RPM 36
- Voltage _____
 - 110 _____
 - 220

Pitless Adapter

- Make Martinson
- Model # B-10X
- Depth 40" +

Tank

- Capacity 82
- Pressure relief valve? YES

Piping

- Type Plastic
- Size 1"
- NSF and/or BOCA Code approved
- Depth of supply line 40" +

Well data

- Depth 260 ft.
- Yield 8 GPM
- Static water level 54 ft.
- Will water supply be disinfected by installer?

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: [Signature]

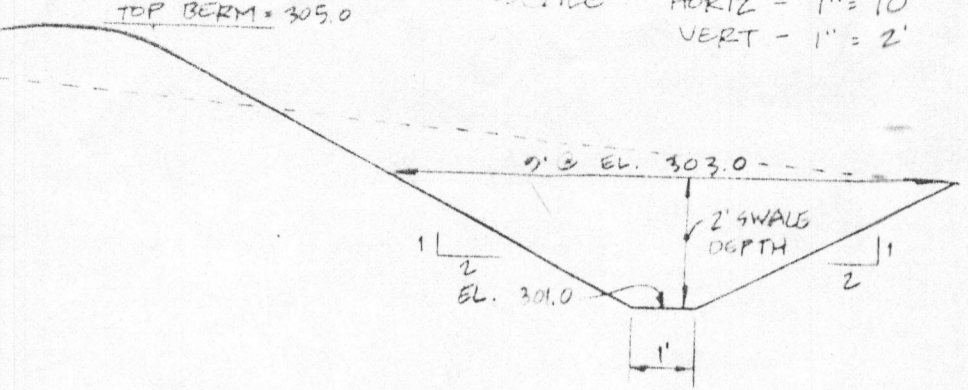
Date: 8/3/90

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

TRAPEZOIDAL CHANNEL
 @ 0%
 VOL. RUNOFF TO BE CONTROLLED = 333 FT³
 VOL. PROVIDED = 372 FT³

VEGETATED SWALE SECTION A-A

SCALE: HORIZ - 1" = 10'
 VERT - 1" = 2'



VEGETATED SWALE SECTION B-B

SCALE: HORIZ - 1" = 3'
 VERT - 1" = 3'

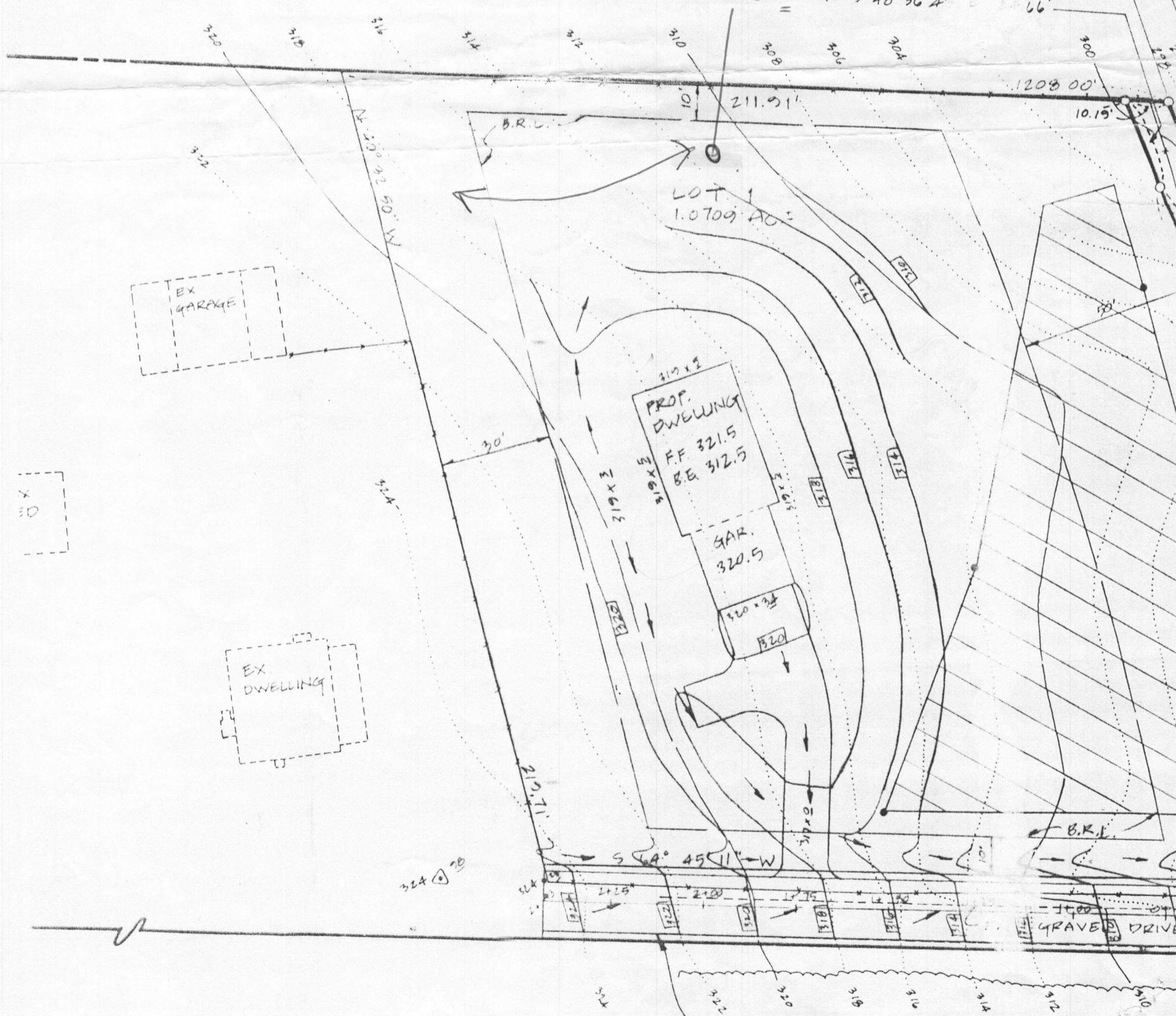
- 2 STABILIZATION SHALL BE DONE ACCORDING TO SPECIFICATIONS FOR VEGETATIVE PROTECTION
- A. FOR DESIGN VELOCITIES OF LESS THAN 1.0 FPS, MAY BE USED FOR THE ESTABLISHMENT OF VEGETATION. WHEN CONDITIONS PERMIT, BE USED TO PREVENT WATER FROM WASHING AWAY THE ESTABLISHMENT OF THE VEGETATION.
- B. FOR DESIGN VELOCITIES OF MORE THAN 1.0 FPS, SHALL BE STABILIZED WITH SOIL MATTING OR WITH SEEDING AND WATER UNTIL THE VEGETATION IS ESTABLISHED.
- C. STRUCTURAL - VEGETATION PROTECTION SHALL BE USED FOR BASE COURSE. THE STANDARD DRAWING AND SPECIFICATIONS FOR SUBSURFACE DRAINAGE SHALL BE USED.

FRED JOHNSON

PROPERTY ADDRESS:
 5558 Randing Rd
 Elkridge, Md 21227

NO. 1458

Not approved. Per plat of B.R.L. = Well, needs to be defined B.R.L. 12/14/89 C.B.D.



PLAN VIEW

PROPOSED DRIVEWAY ELEVATION TO MATCH EX. GR. ON SOUTHEAST SIDE OF DRIVE