

5/29/98
W.P. & S. J. Co.
Construction Inspector
W. AM
6-2-98
Final Installation
ASX

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 510133

A 42605

DISTRICT 4th

DATE 5/7/98

DATE SYSTEM APPROVED 6/2/98

INSPECTOR AW

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXXXX~~ 410-313-2640

RPS# 3
352246

New Dimensions Plumbing & Excavating IS PERMITTED TO INSTALL X ALTER

ADDRESS 3018 Bachman Road Manchester, MD 21102 PHONE (410) 239 - 4359

SUBDIVISION Warfield's Grant LOT 1 ROAD 16000 Pheasant Ridge Court

PROPERTY OWNER Colin Gillespie

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS *****MANHOLE CLEANOUT REQUIRED*****

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

SITE INSPECTION TO BE REQUESTED
PRIOR TO BEGINNING INSTALLATION
TANK TO BE RELOCATED OUT-OF-SWALE;
SOME TRENCH RECONFIG. MAY BE ADVISABLE. (CW)

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3.5 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 70 feet off the front lot line and 170 feet off the right (114.82') lot line as seen when facing the lot from Pheasant Ridge Court. Run trenches on contour in both directions.

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

PLANS APPROVED BY Mark Rifkin/Donna K. Soe REVISED _____ DATE 12/20/93

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 (AND IS THERE ANY 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. dech

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

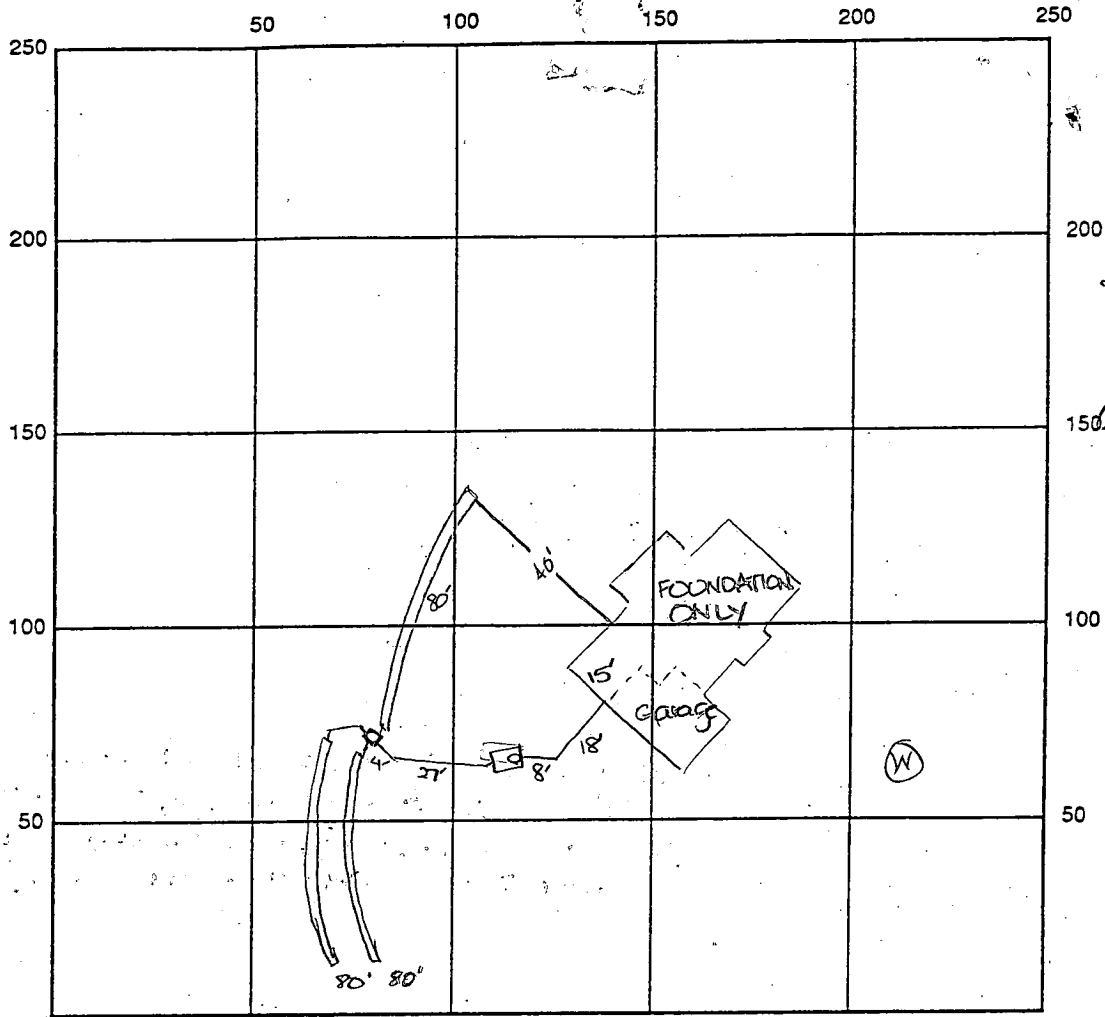
BUILDING PERMIT SIGNED AND RETURNED

11901 800151389-26 P002

BUILDING PERMIT SIGNED AND RETURNED

Serial # B10119033

A 42605



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Pheasant Ridge Court

SEPTIC TANK LEVEL OK 1250 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL covered at time of insp. ALM

DRAIN FIELD/TITLE DEPTH 5.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 240 FT.

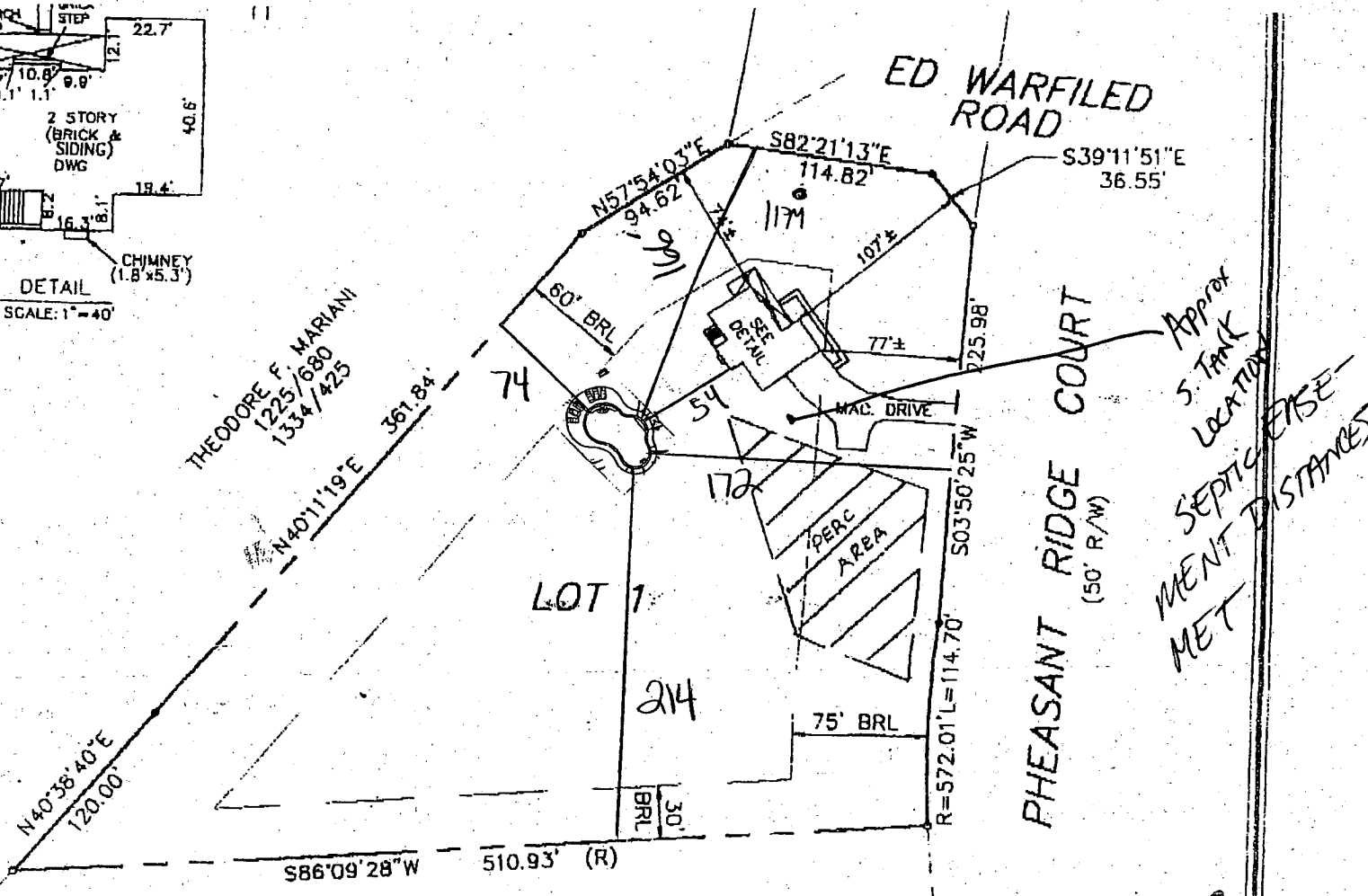
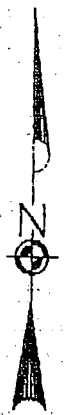
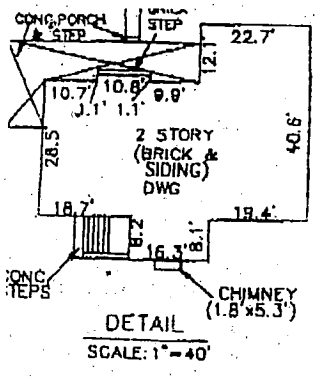
NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT. $\frac{240}{3} = 720$

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET 1.5 FT.

ABSORBENT AREA SQ. FT.

REMARKS: 5/29/98 LAYOUT OK AS PROPOSED - OK TO START WORK. DCS
5/29/98 P.M. OK TO CONTINUE WORK. (24"-30" fill over septic
area) DCS 6/2/98 OK TO COVER ALL WORK final ALM

DATE SYSTEM APPROVED 6/2/98 INSPECTOR A McMillen



11-19-04
PLAN
TO
SCALE

LOT 2

APPROVED

WALK-THRU BUILDING PERMIT
 BP# BCW 151389 A# 4 2605
 APP. SAN RNT DATE: 11-19-04
 DESC. OF WORK: WARFIELD'S GRANT

FOUNDATION ELEV. = 551.7' ±
 = BUILDING RESTRICTION LINE
 PHEASANT RIDGE COURT

Backyard Creations, Inc.
 Deena & Colin Gillespie
 1600 Pheasant Ridge Ct.
 Woodbine, Md. 21797
 Hm: 301-854-6355
 Wrk: 301-370 4412

SECTION 1 AREA 1
 LOTS 1-16 AND PARCEL 'A'
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 PLAT # 9801

HER, COLLINS & CARTER, INC.
 ENGINEERING CONSULTANTS & LAND SURVEYORS

10000 SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PKE
 ELLENCOTT CITY, MARYLAND 21042
 (410) 461-2855



Mark L. Robel 9/30/98
 PROFESSIONAL LAND SURVEYOR DATE
 REG. # 339

HOUSE LOCATION
 DRAWING

FOUNDATION LOCATION: 6-30-98
 FINAL LOCATION: 9/29/98
 BOUNDARY SURVEY:

SCALE: 1" = 100'
 DATE: 9/30/98
 DRAWN BY: T.P.F.
 CHECKED BY: M.L.R.
 PROJECT No.: 61205

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER _____ DATE _____

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER _____ DATE _____

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION DISTRICT _____ DATE _____

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

DISTRICT HOWARD SOIL CONSERVATION DIST. _____ DATE _____

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DRES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, (b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), 500 (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS
 - TOTAL AREA OF SITE 3.006 ACRES
 - AREA DISTURBED 0.480 ACRES
 - AREA TO BE ROOFED OR PAVED 0.079 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED 0.000 ACRES
 - TOTAL CUT 140 CU.YDS.
 - TOTAL FILL 140 CU.YDS.
- ANY WASTE/BORROW AREA LOCATION _____ CU.YDS.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN.
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE.
- AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION

LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS

APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE 500.

MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (9 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (6 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1986 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION

LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS

APPLY TWO TONS PER ACRE DOLOMITE LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE 0.5 LBS./1000 SQ.FT.) OF 10-20-20 FERTILIZER.

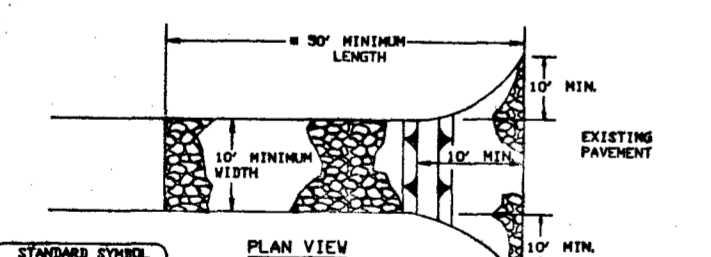
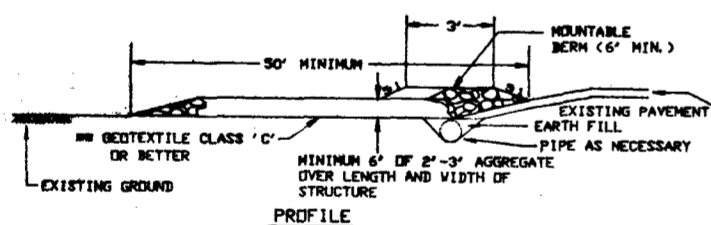
SEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROJECT SITE (b) OPTION (1) - TWO TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE 500; OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELLS ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEED.

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (9 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (6 GAL./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE

INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
 * FOR PUBLIC PONDS SUBSTITUTE CHEMICAL CROWWEATCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



Construction Specifications

- Length - minimum of 50' (80' for single residence lot).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. If the plan approval authority may not require single family residences to use geotextile.
- Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 3:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

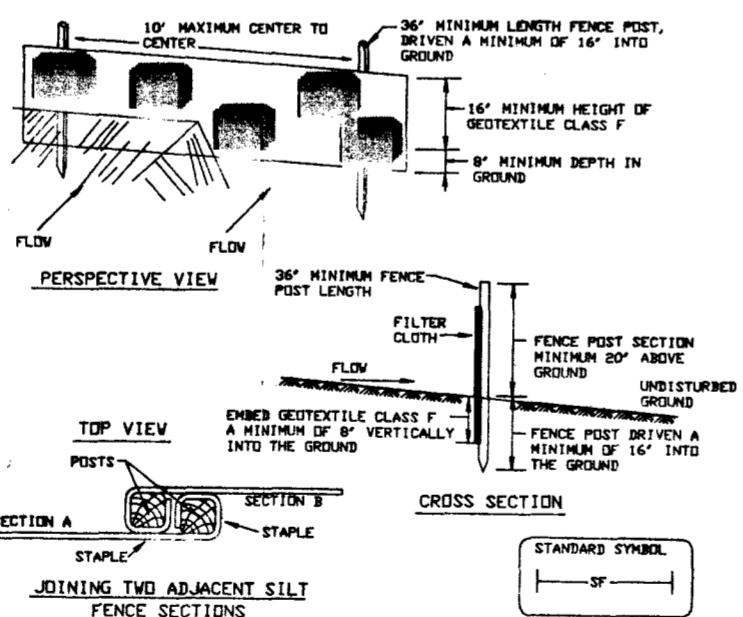
STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2955

F.C.C. 61

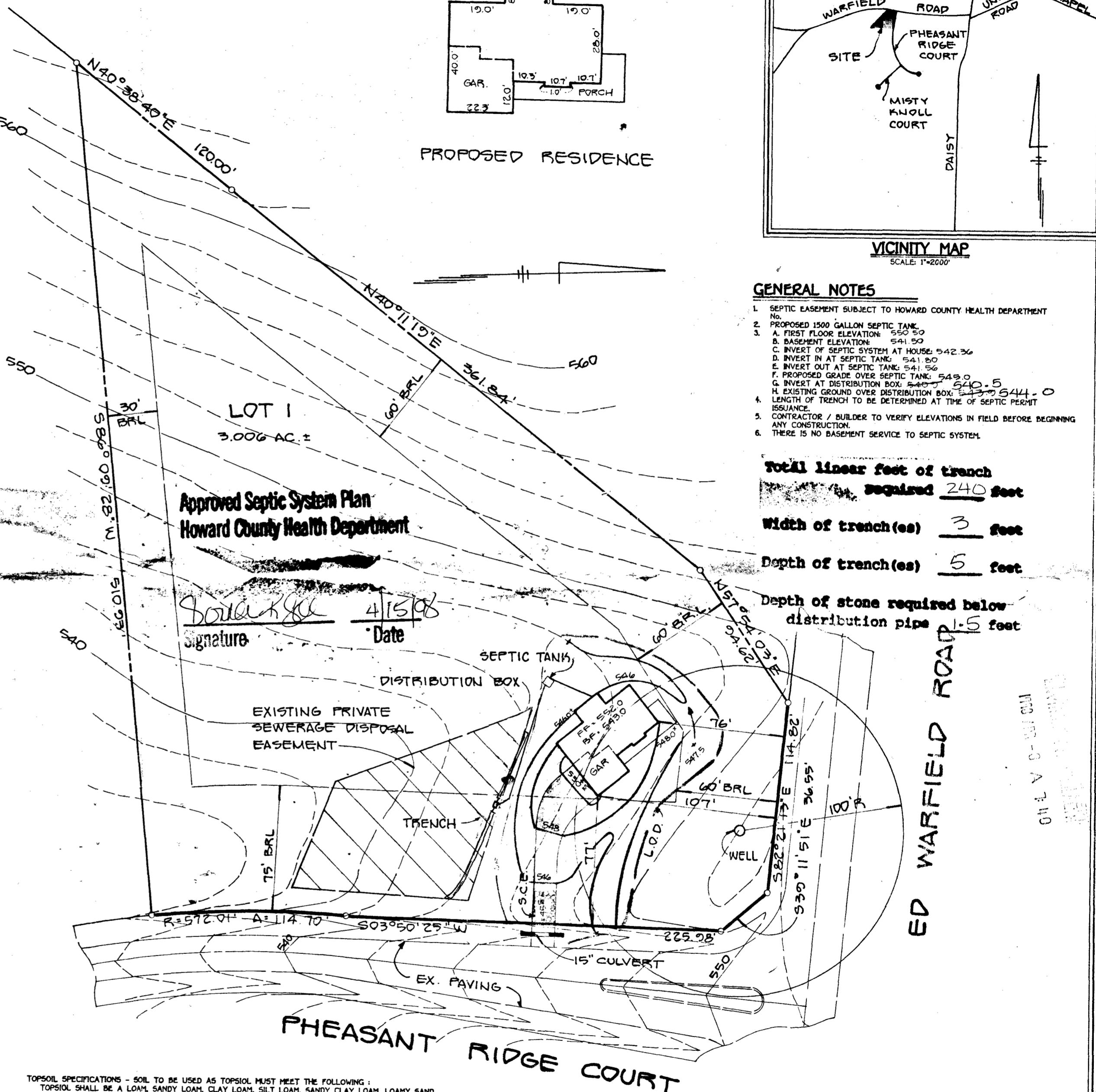


Construction Specifications

- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum cut, or 1 3/4" diameter (minimum round and shall be of sound quality hardwood). Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot.
 - Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
- | | | |
|-----------------------|--|---------------|
| Tensile Strength | 30 lbs/in (min.) | Test: NHT 509 |
| Tensile Modulus | 20 lbs/in (min.) | Test: NHT 509 |
| Flow Rate | 0.2 gal ft ² /minute (max.) | Test: NHT 322 |
| Filtration Efficiency | 95% (min.) | Test: NHT 322 |
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
 - Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

SILT FENCE

NOT TO SCALE



Approved Septic System Plan
 Howard County Health Department

Signature: _____ Date: 4/15/98

GENERAL NOTES

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
- PROPOSED 1500 GALLON SEPTIC TANK
- A. FIRST FLOOR ELEVATION: 550.50
- B. BASEMENT ELEVATION: 541.50
- C. INVERT OF SEPTIC SYSTEM AT HOUSE: 542.36
- D. INVERT IN AT SEPTIC TANK: 541.90
- E. INVERT OUT AT SEPTIC TANK: 541.56
- F. PROPOSED GRADE OVER SEPTIC TANK: 543.0
- G. INVERT AT DISTRIBUTION BOX: 544.5
- H. EXISTING GROUND OVER DISTRIBUTION BOX: 544.5
- I. DEPTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

Total linear feet of trench required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 5 feet

Depth of stone required below distribution pipe 1.5 feet

PLAN TO ACCOMPANY APPLICATION

FOR BUILDING PERMIT

WARFIELD'S GRANT

LOT 1
 SECTION 1, AREA 1

TAX MAP 13 PART OF PARCEL 12B

FOURTH ELECTION DIST. HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: MARCH 3, 1998

C1 **1488** SEQUENCE NO. (DENV 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 **A42605**

ST/CO USE ONLY DATE Received: [] [] [] [] [] [] [] []
 DATE WELL COMPLETED: **111892**
 Depth of Well: **400** (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL": **H0-92-0299**

OWNER: **DVL INC.**
 STREET OR RFD: last name **PHICASALI RIDGE** first name **DAISY** TOWN **DAISY**
 SUBDIVISION: **WARFIELD GRANT** SECTION **1** LOT **1**

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	
Overburden	0	95	
Gray	95	150	
White	150	151	✓
Gray	151	375	
White	375	376	✓
Gray	376	400	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **17** NO. OF POUNDS **1578**
 GALLONS OF WATER **102**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **50** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO** **PL** **OT**
 STEEL CONCRETE PLASTIC OTHER
 MAIN CASING TYPE **PL** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **100**

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

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

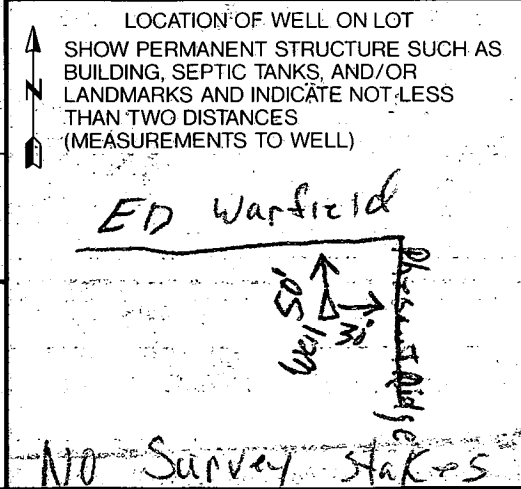
C2
 DEPTH (nearest ft.)
 1 **40** **98** **400**
 2
 3
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) from to

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.) W Q
 70 72 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **6**
 PUMPING RATE (gal. per min. to nearest gal.) **1**
 METHOD USED TO MEASURE PUMPING RATE **19AL**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **39** WHEN PUMPING **328**
 TYPE OF PUMP USED (for test)
A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
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 (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.)
 CASING HEIGHT (circle appropriate box and enter casing height): **+** above } LAND SURFACE **02** (nearest foot)
- below }



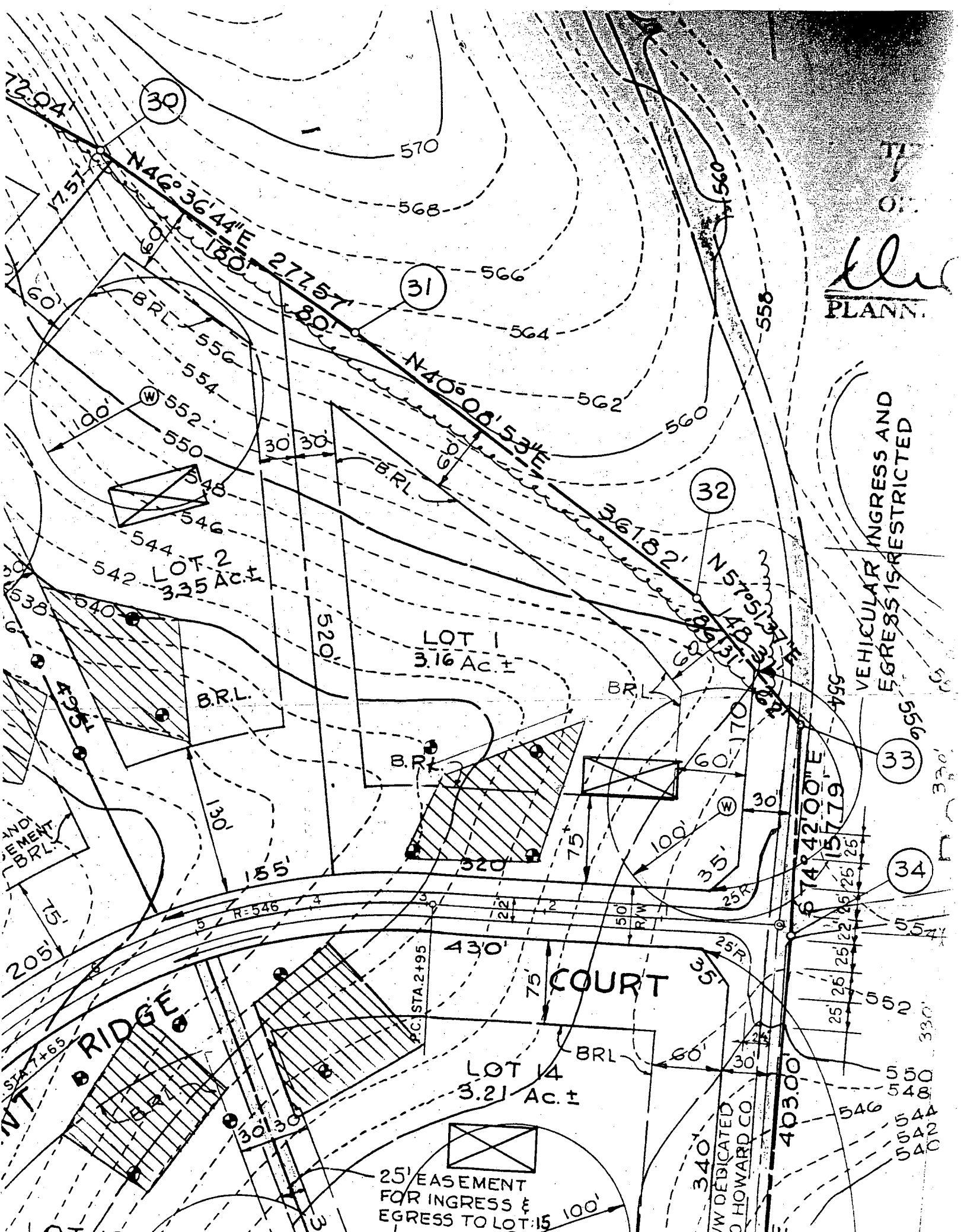
CIRCLE APPROPRIATE LETTER
 A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
 E ELECTRIC LOG OBTAINED
 P TEST WELL CONVERTED TO PRODUCTION WELL

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. **07009**
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

blue
PLANN.

VEHICULAR INGRESS AND EGRESS IS RESTRICTED



B 1 **5018** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 APPLICATION FOR PERMIT TO DRILL WELL
 please print, or type

STATE PERMIT NUMBER
HO-92-0241
 fill in this form completely

Date Received (APA) **10 29 92**
 OWNER INFORMATION
DVL Inc
 15 Last Name Owner First Name 34
307 Brunsvick St
 39 Street or RFD 55
Brunsvick MD 21116
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard
 8 COUNTY 21
Warfields Grant
 23 SUBDIVISION 42
 SECTION **1** LOT **1**
 44 46 48 50
Daisy
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **0** M I
 73 76 77 78

DRILLER INFORMATION
Allen Compton
 Driller's Name 77 License No. **80**
A J Compton
 Firm Name
6700 Keysville Rd Keymer 21757
 Address
Allen Compton 10-22-92
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 NEAR WHAT ROAD **Pheasant Ridge Ct.**
 11 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH
 WEST EAST
 SOUTH
 34 **50** 37
 DISTANCE FROM ROAD
 ENTER FT or MI **FT**
 38 39

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**
 14 20

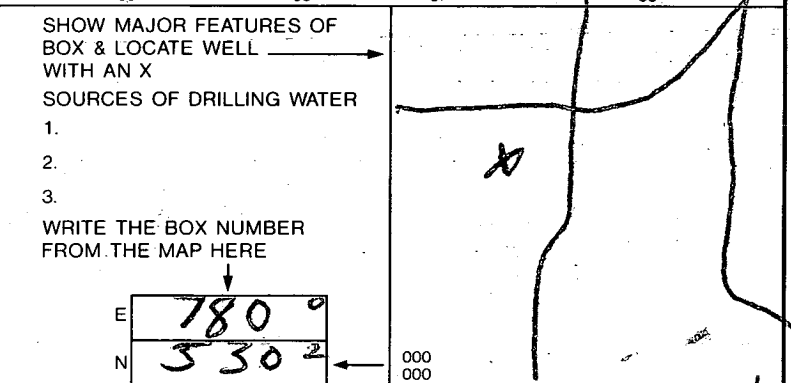
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard **A42605**
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE _____ INSERT S _____
 DATE ISSUED **110992** **Chris Will** **5/9/93**
 43 48 CO SIGNATURE 41 EXP. DATE
 NORTH GRID **532000** EAST GRID **0780000**
 50 55 57 63

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

APPROXIMATE DIAMETER OF WELL **6** 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
 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 _____
 54 63
 FORCE **CW** WRITE INITIALS IN BOX PERMIT No. **HO-92-0241**
 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
DVL 834-7186

C1 **1391** SEQUENCE NO. (DENV USE ONLY)
 1 2 3 4 5 6
 (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 **A42605**

ST/CO USE ONLY
 DATE RECEIVED

DATE WELL COMPLETED
04/14/91

Depth of Well
400
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
HO-88-1252

OWNER **Carman Assoc**
 STREET OR RFD **Phasant Ridge CT** first name
 TOWN **Clonwood**
 SUBDIVISION **WAREFIELDS GRANT** SECTION **1** LOT **1**

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	
<i>Well 400 ft. deep filled in with Cement & drilling materials</i>			

GROUTING RECORD
 WELL HAS BEEN GROUTED YES NO
 (Circle Appropriate Box)
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS _____ NO. OF POUNDS _____
 GALLONS OF WATER _____
 DEPTH OF GROUT SEAL (to nearest foot)
 from _____ ft. to _____ ft.
 (enter 0 if from surface)

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

MAIN CASING TYPE _____ Nominal diameter top (main) casing (nearest inch) _____ Total depth of main casing (nearest foot) _____
 60 61 63 64 66 67 68 69 70

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

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

C 2
 DEPTH (nearest ft.)
 E A C H S C R E E N
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
 SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)
 from _____ to _____

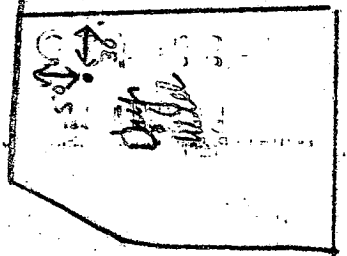
GRAVEL PACK _____
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) _____ W Q _____
 70 _____ 72 _____ 74 75 76 _____
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3
PUMPING TEST
 HOURS PUMPED (nearest hour) _____
 PUMPING RATE (gal per min to nearest gal.) _____
 METHOD USED TO MEASURE PUMPING RATE _____
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING _____
 WHEN PUMPING _____
 TYPE OF PUMP USED (for test)
A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
J jet **S** submersible

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES NO
 (CIRCLE) (YES or 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 (to nearest-gallon) _____
 PUMP HORSE POWER _____
 PUMP COLUMN LENGTH (nearest ft.) _____
 CASING HEIGHT (circle appropriate box and enter casing height)
 + above } LAND SURFACE (nearest foot)
 - below }

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)



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

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. **738**
 DRILLERS SIGNATURE *James M. [unclear]*
 (MUST MATCH SIGNATURE ON APPLICATION)

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

B 1 **5738** 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
40-88-1252
fill in this form completely

Date Received (APA) **020790**
OWNER INFORMATION
CARMAN ASSOCIATES
Last Name Owner First Name
PO BOX 122
Street or RFD
ELKICOTT CITY MD 21043
Town State Zip

DRILLER INFORMATION
Joseph L. Mayne
Driller's Name License No. **238**
Joseph L. Mayne Well Drilling
Firm Name
112 Ridge Rd. H.H. Park 21771
Address
Joseph L. Mayne 7/1/90
Signature Date

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 **200** 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
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
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 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)
APPROX. PERMIT NUMBER **GAP**
FORCE **MR** WRITE INITIALS IN BOX PERMIT No. **40-88-1252**

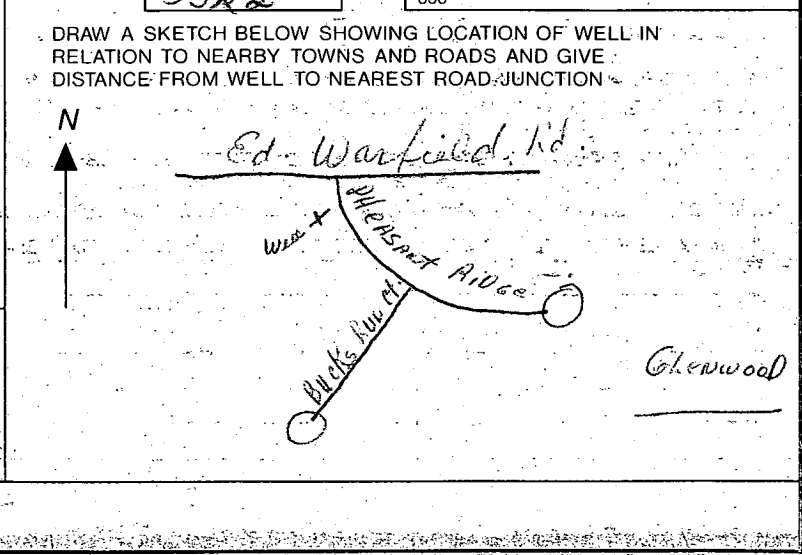
SPECIAL CONDITIONS

LOCATION OF WELL
HOWARD
COUNTY
WARFIELD'S GRANT
SUBDIVISION
SECTION **1** LOT
GLENWOOD
NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) **4** MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
NEAR WHAT ROAD **PHEASANT RIDGE CT.**
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD **30** FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME
A 42605 COUNTY NO.
STATE SIGNATURE **Mark E. Rifkin** DATE ISSUED **3/12/90**
031290 CO SIGNATURE EXP. DATE
NORTH GRID **532000** EAST GRID **0780000**

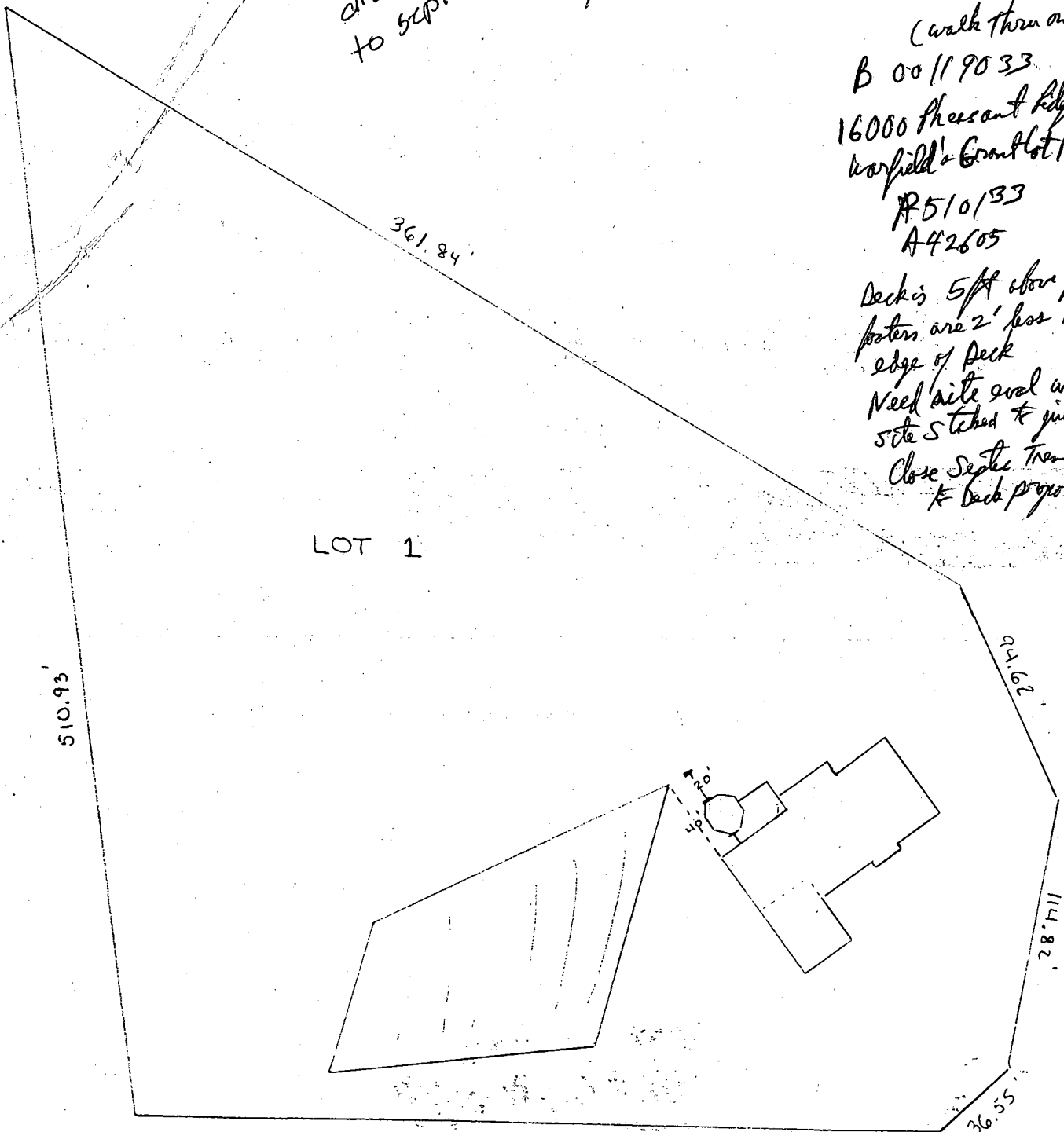
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. WELL
WRITE THE BOX NUMBER FROM THE MAP HERE
E 180
N 5322



7/2/99
Shown deck will
be 18' off the existing
drainfield - No impact
to septic OK to proceed
A McMill

(walk thru on 6/30/99)
B 00119033
16000 Pheasant Ridge
Warfield & Grantlot 1
R510133
A42605

Deck is 5ft above ground
footers are 2' less than
edge of deck
Need site eval when
site staked & judge how
close septic trench are
to deck proposal. 7/7/99



PHEASANT RIDGE CT.

ED WARFIELD RD

APPLICATION

PERCOLATION TESTING

A 42605

P _____

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

DISTRICT 4TH

8-05-88 DATE _____

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 Mr. Robert M. Warfield DVR, FAC Colin Gillespie

ADDRESS 2425 Daisy Road, Woodbine, Md. 21797 PHONE _____

PROSPECTIVE BUYER Carman Associates

ADDRESS P.O. Box 122, Ellicott City, Md. PHONE 854-6797

PROPERTY LOCATION:

SUBDIVISION Warfields Grant LOT NO. 1

ROAD AND DESCRIPTION West Side Daisy Road (16000 PHEASANT RIDGE COURT)

TAX MAP 13 PARCEL # 128

SIZE OF LOT 3 acres TYPE SFD (SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED
AND RETURNED 12/20/95
Serial # 51765-SFD
SFD 4Bom

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.

Philip A. Mangitz
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10-26-88 Due SATISFACTORY - Hold for PERM. Saw

BLDG. PERMIT SIGNED
AND RETURNED 4-15-98
Serial # 1110898
SFD - 4Bom

BLDG. PERMIT SIGNED
AND RETURNED 10/4/95
Serial # 46275
4 Bedrooms

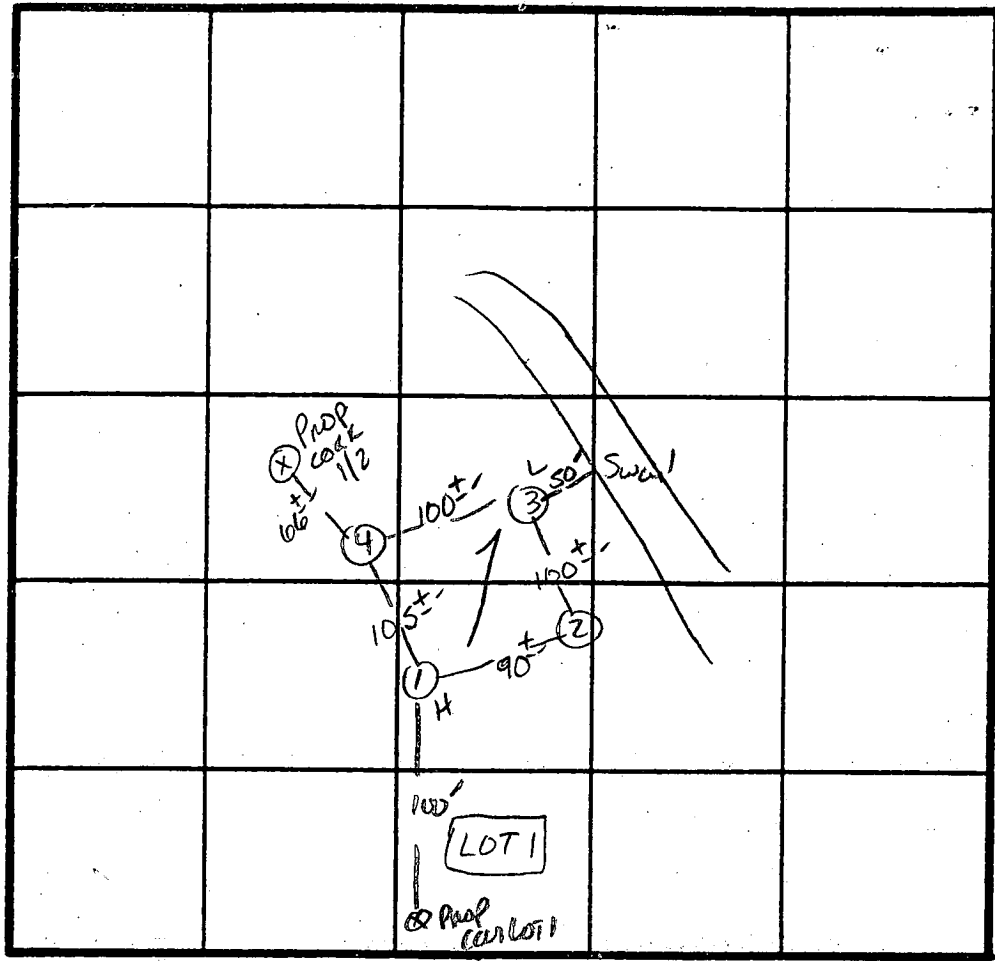
HD-216

THIS IS NOT A PERMIT

A-42605

SOIL PROFILE

0"	AD
6"	Red Br Silty clay loam 10-15% Frap
3-3.5'	Yellow Br Silty loam 15-20% Frap
12'	



X Penc
4 min
180 Ø 1BR
Inlet 3-
Bottom 5.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Ed Warfield Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/20/88	1 S	3.5	12:50	12:54	12:54	12:59	5 min
		8.0	12:51	12:54	12:54	1:00	6 min
	1 V	12- As profiled					
	2 S	3.5-	12:54	12:56	12:56	12:59	3 min
		12.5-	SAME AS Profile				
	3 S	3.0-	11:00	11:01	11:01	11:03	2 min
		11.5-	SAME AS Profile				
	4 S	4	12:56	12:58	12:58	1:01	3 min
		13-	SAME AS Profile				

REMARKS Holes Diff Than PCAT - Shallow Syst - LAND SCAPE POSITION

TYPE OF SOIL Chester.

TESTED BY S. Abel ALSO PRESENT Ph. M. Ruby
Andrews C. Cassel