

Tax ID - 05 - 413206

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 56419B

A 42449

DISTRICT 5th

DATE 4/26/96

DATE SYSTEM APPROVED 1/29/96

INSPECTOR [Signature]

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

INDEXED

Jack Fyock Septic Service

IS PERMITTED TO INSTALL ALTER

ADDRESS 13775 Triadelphia Road, Glenelg, MD 21737 PHONE 988-9270

SUBDIVISION The Warfields LOT 4 ROAD 14827 Michele Drive

PROPERTY OWNER Jeff and Karen Church

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - From the left-front lot corner, place the distribution box 363' down the left lot line and 190' off that lot line. Run trenches along 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 12/11/95. WKS.

PLANS APPROVED BY Craig Williams/Glen Savage Revised _____ DATE 9/7/90, 12/11/95

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 (UNLESS OTHERWISE 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

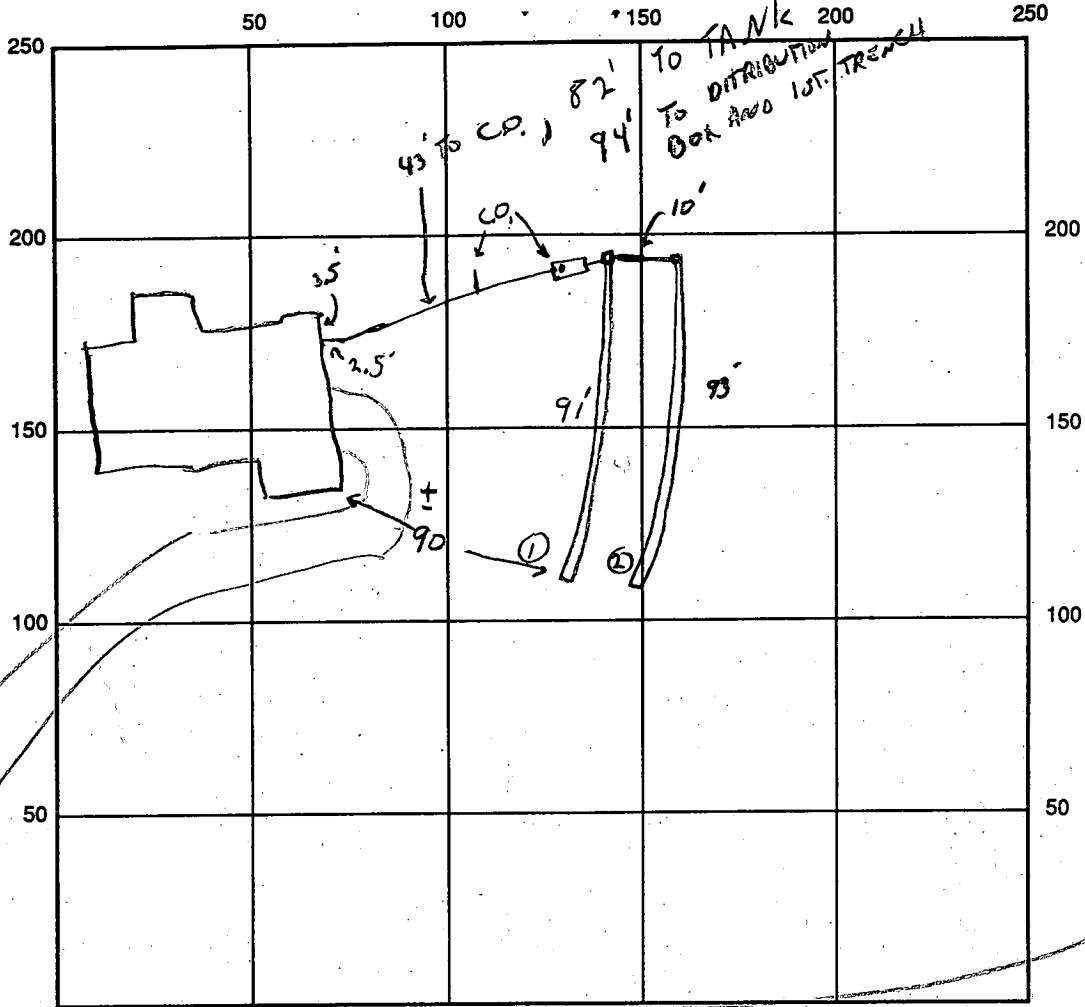
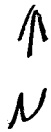
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

Addition - Propane Tank
BLDG. PERMIT SIGNATURE
END RETURNED 3-27-96
Serial # 63953

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

A
42449



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

MICHELLE DRIVE

SEPTIC TANK LEVEL OK CLEANOUTS LOW TANK 1 BETWEEN TANK + HOUSE

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TITLE DEPTH 7.5-8' FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 91 FT. } 184

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 736 SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET 7 FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS: 1/26/95 ALL WORK EXCEPT FINAL TRENCH IS COMPLETE AND
OK TO COVER. 1/29/96 SECOND TRENCH COMPLETE, OK
TO COVER.

DATE SYSTEM APPROVED 1/29/96 INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 42449
P _____

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

DARE given to MARK R.
CFC. 11/10/89

DISTRICT 5th
DATE 11-9-88

11-25-88
9:30 AM
Per spec / Per (10/88)

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 Kennard Warfield, Jr.

ADDRESS 14663 Triadelphia Road PHONE 442-2337

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION: THE WARFIELDS
SUBDIVISION Sapling Range LOT NO. LOT 4 Preliminary 3 (reperc)

ROAD AND DESCRIPTION 14600 Triadelphia Road, just west of Howard Road

TAX MAP 27 PARCEL # 56

SIZE OF LOT 3 Acres TYPE BLDG _____

BLDG. PERMIT SIGNED
AND RETURNED 12-11-95
Serial # 62857
SFD 4 Bems
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

Mark Reich
Mark Reich (SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

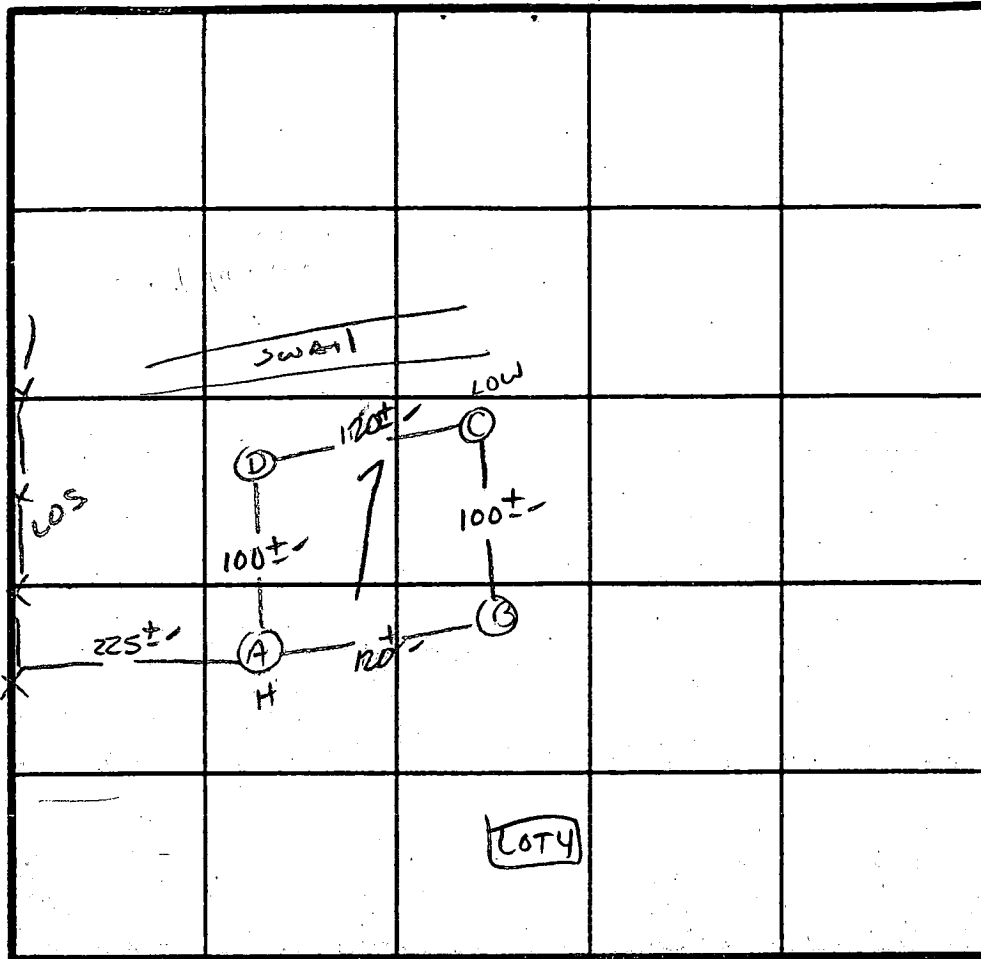
REASONS FOR REJECTION OR HOLDING 11/25/88 Perc Satisfactory - Hold for SUBD. PLAT. SAW

HD-216

THIS IS NOT A PERMIT

SOIL PROFILE

0	AP
6"	Yellow Br Silty loam (clayey) 10-15% Frags
3"	Yellow Br SAND loam 10-15% Frags micaceous
13"	



X Perc SMIN
180 φ / BR
INLET 3.0'
BOTTOM 9.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Triadelphia Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/2/88	AS	3.0	10:55	10:56	10:56	10:58	2min
	AM	8.0	10:54	10:55	10:55	10:57	2min
	AV	13"	As profiled				
	BV	13"	Similar to profile				
	CV	3.5"	11:01	11:07	11:07	11:18	11 min
	DV	12.5"	Similar to profile - more red		BR clay profile		
	DS	4"	10:58	10:59	10:59	11:01	2min
	DV	13"	SAMP AS C (clay to 2.5"				

REMARKS Holes As staked DIFF Man PLAT

TYPE OF SOIL Glenely

TESTED BY S. Abel ALSO PRESENT DAVE

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 SEDIMENT AND EROSION 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 11/29/95

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

U.S. SOIL CONSERVATION DISTRICT _____ DATE _____

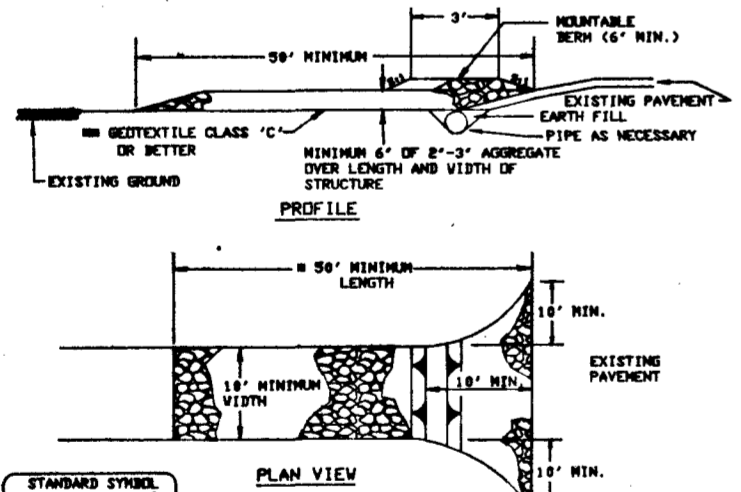
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

DISTRICT HOWARD SOIL CONSERVATION DIST. _____ DATE _____

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF NATURAL RESOURCES 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 THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, BY 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), SOIL (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	4.874	ACRES
AREA DISTURBED	0.54	ACRES
AREA TO BE ROOFED OR PAVED	0.2	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.34	ACRES
TOTAL CUT		CU.YDS.
TOTAL FILL		CU.YDS.
OFFSITE 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, 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 WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOO.

MULCHING
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAM STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 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:

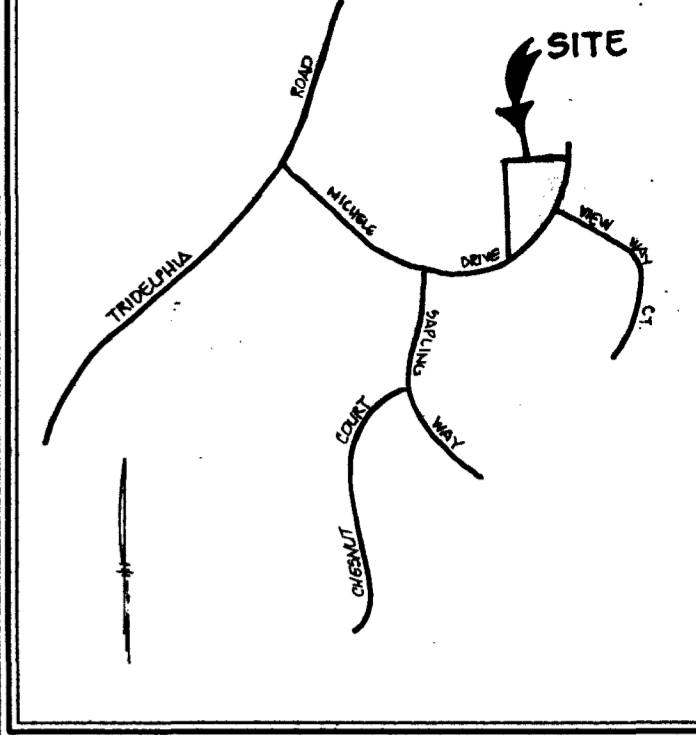
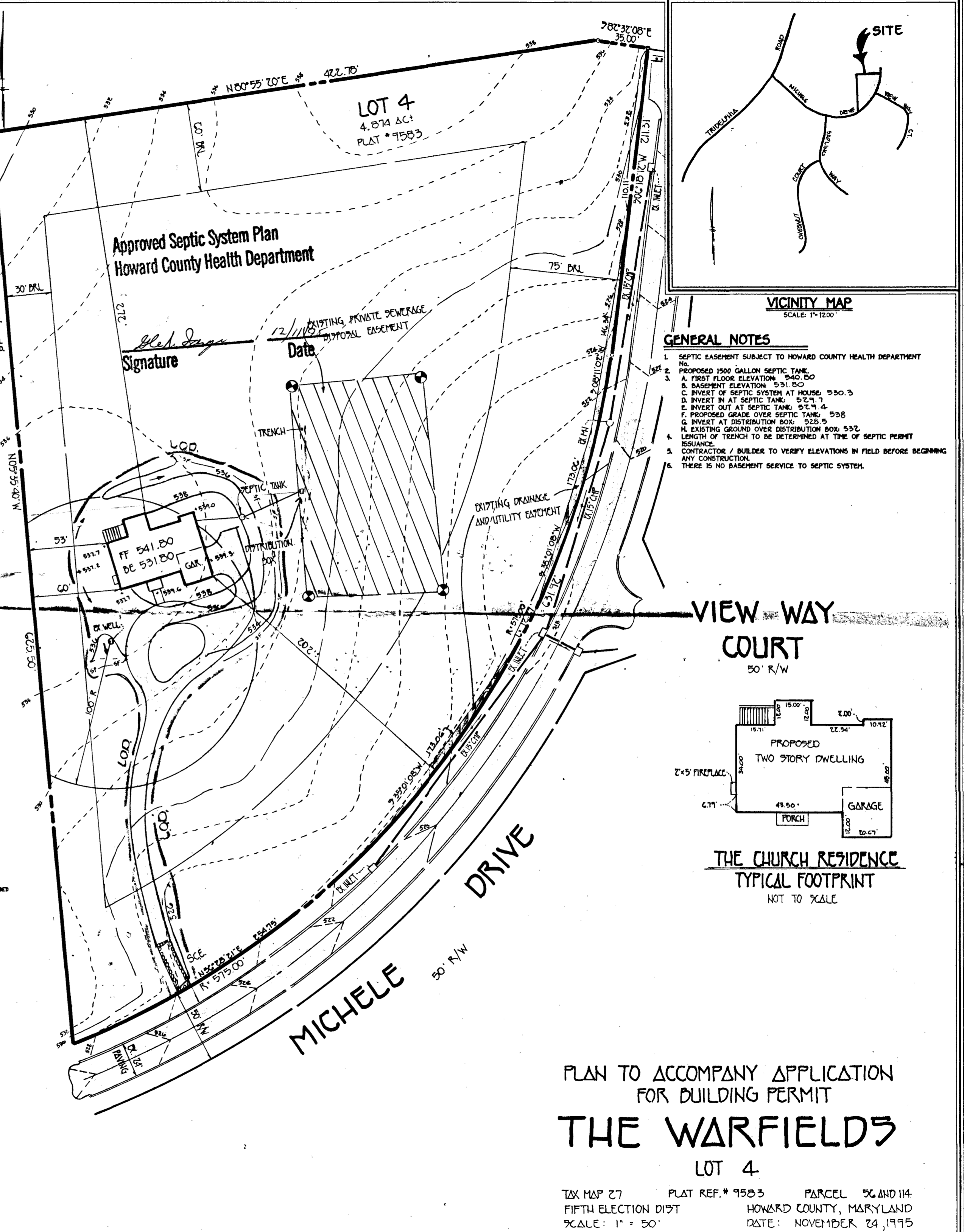
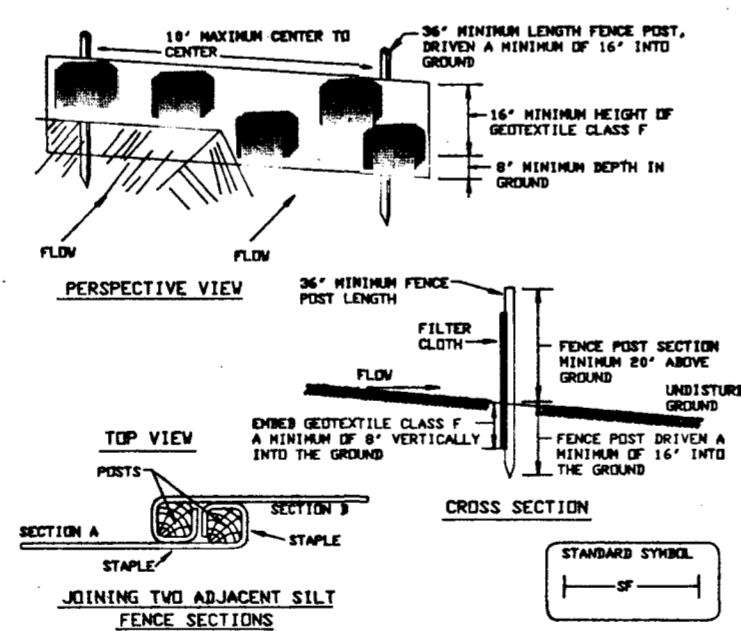
SEEDING PREPARATION
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS
APPLY TWO TONS PER ACRE DOLOMITIC 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 UREAFOR FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE 0.15 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, PROTECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING OPTION (2) - USE SOO; OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEED.

MULCHING
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAM STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE
INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNVETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 6 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



- GENERAL NOTES**
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
 - PROPOSED 1500 GALLON SEPTIC TANK
 - A. FIRST FLOOR ELEVATION: 540.50
B. BASEMENT ELEVATION: 531.00
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 530.3
D. INVERT IN AT SEPTIC TANK: 529.7
E. INVERT OUT AT SEPTIC TANK: 529.4
F. PROPOSED GRADE OVER SEPTIC TANK: 538
G. INVERT AT DISTRIBUTION BOX: 528.5
H. EXISTING GROUND OVER DISTRIBUTION BOX: 532
I. LENGTH 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.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461-2955

NOTED FROM CONTROLS

BE REDISTURBED CD.

DISCING

LBS./1000 SQ. FT.)

ND AUGUST
L PER ANNUAL
THRU AUGUST 14,
07 LBS/1000SQ.FT.).
3. PROTECT SITE BY
STRAW MULCH AND
USE SOD.

3./1,000 SQ.FT.)
AFTER SEEDING
USING MULCH
GAL./1000 SQ.FT.)
PES 8 FEET OR HIGHER,
) FOR ANCHORING.

SPECIFICATION FOR SOIL
METHODS NOT COVERED.

OWS:

G. DISCING

NE (92 LBS/
ERTILIZER
OR DISC
F SEEDING
ERTILIZER
1.5 LBS/

AND AUGUST
RE ACRE (2.3
E, FOR THE
LBS/ACRE
E AND
EEPING
16 THROUGH
TWO TONS PER
SEED AS SOON AS
O; OPTION (3) -
FESCUE AND MULCH
ALL SLOPES SHOULD

LBS./1,000 SQ.FT.)
LY AFTER SEEDING
ON USING 200
MULSIFIED
OR HIGHER USE
FOR ANCHORING.

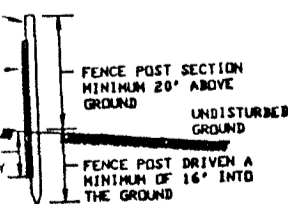
D REPAIRS,

ROWN VETCH AT 15
AT 40 LBS/ACRE AS
ING DATE FOR THIS

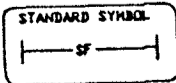
MUM LENGTH FENCE POST,
MINIMUM OF 16" INTO

16" MINIMUM HEIGHT OF
GEOTEXTILE CLASS F

8" MINIMUM DEPTH IN
GROUND



SS SECTION



en 16" minimum into the
nimum) cut, or 1 3/4" diameter
wood. Steel posts will be
00 pond per linear foot.

ence post with wire ties
he following requirements

Text: MSMT 509

782.32.08'E
35.00'

LOT 4
4.874 AC±
PLAT # 9583

*CONCREAN ABOUT PROXIMITY
TO ANVIL - CONTACT APPLICATION
3/26/91*

*CONTRACTOR AG 1660
TO 1668 TANK OF WELC
TO LOW SIDE OF
AT (EAST 20')
MONOCIKELY 45'
AWAY,
ACCEPTED 3/27/96
Cawthell*

EXISTING PRIVATE SEWERAGE
DISPOSAL EASEMENT

EXISTING DRAINAGE
AND UTILITY EASEMENT

*SUBCONTRACTOR (UNITED PROPANE)
MIGHT PREFER TO LOCATE TANK
IN THIS AREA IN ORDER TO SERVICE
AND FILL FROM MICHELE DRIVE
UNDER ICE AND SNOW CONDITIONS*

GENE

- 1. SEPTI
- 2. No.
- 3. PROP
- 4. A. FI
- 5. B. B
- 6. C. B
- 7. D. B
- 8. E. P
- 9. F. P
- 10. G. H
- 11. H. E
- 12. I. L
- 13. J. E
- 14. K. N
- 15. L. S
- 16. M. S
- 17. N. S
- 18. O. S
- 19. P. S
- 20. Q. S
- 21. R. S
- 22. S. S
- 23. T. S
- 24. U. S
- 25. V. S
- 26. W. S
- 27. X. S
- 28. Y. S
- 29. Z. S

MICHELE DRIVE
50' R/W

PLAN TO AC



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

September 25, 1996

Mr. and Mrs. Jeff Church
14827 Michele Drive
Glenelg, Maryland 21737

RE: The Warfields, Lot #4
14827 Michele Drive
Well Permit #HO-92-0298

Dear Mr. and Mrs. Church:

This is to advise you that the septic system for the above referenced property was installed, inspected, and approved on January 29, 1996.

The water sample recently submitted for testing was free of coliform and fecal coliform bacteria at the time of sampling and is bacteriologically safe for drinking.

A nitrate device has been installed to treat the previously documented excessive nitrate contamination. The nitrate removal system appears to be operating properly as evidenced by the recent water sample taken on **September 17, 1996**.

COMAR 26.04.04.09 prohibits approval of any water supply with a nitrate-nitrogen contaminant level in excess of 10 parts per million. This department will grant a Permanent Deviation to that section of the regulation on condition that the nitrate removal system effectively maintains the nitrate-nitrogen contaminant level below the 10 parts per million requirement.

FINAL CERTIFICATE OF POTABILITY

This certifies that all sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under permit(s) #HO-92-0298. It will be necessary for you to continue to comply with the following conditions:

Bureau of Environmental Health
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544
Water and Sewerage, Permits (410) 313-2640 Community Environmental Health (410) 313-2644
Food Protection Program (410) 313-2642 TDD (410) 313-2323

Mr. and Mrs. Church


The Warfields, Lot #4

1. The system should be properly operated and maintained continuously, in accordance with the service contract for the life of the residence.
2. A yearly nitrate analysis should be performed by a private laboratory certified for water testing.
3. If you decide to sell or rent your home in the future, you should make any potential buyer/tenant aware of the above condition.

Dates of Water Samples: August 21, 1996 (Bacteriological)
August 20, 1996 (Nitrates)
September 17, 1996

Date of Well Completion: February 4, 1993

Approving Authority



Donna K. Soe, R.S.

Water and Sewerage Program

DKS
Enclosures
cc: file

C1 7657

SEQUENCE NO. (DENV USE ONLY)

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 A42449

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

ST/CO USE ONLY DATE RECEIVED 02/29/93

DATE WELL COMPLETED 020493

Depth of Well 200 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-92-0298

OWNER Church last name Jeffrey first name Michele Dr TOWN Glenelg SUBDIVISION THE WARFIELDS SECTION LOT 4

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes entries for Top Soil, Brown Shale, Blue Slate, and Flint Rock.

GROUTING RECORD section including: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CEMENT CM, BENTONITE CLAY BC), NO. OF BAGS, NO. OF POUNDS, DEPTH OF GROUT SEAL.

CASING RECORD section including: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (PL), Nominal diameter top (main) casing (6), Total depth of main casing (46).

SCREEN RECORD section including: screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT), DEPTH (nearest ft.) 49, 200.

OTHER CASING (if used) section including: diameter inch, depth (feet) from to.

SCREEN RECORD section including: screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT), DEPTH (nearest ft.) 49, 200.

SCREEN RECORD section including: screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT), DEPTH (nearest ft.) 49, 200.

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. 273
DRILLERS SIGNATURE (Michele Jeffrey)

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
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
COUNTY

PUMPING TEST section including: HOURS PUMPED (2), PUMPING RATE (10), METHOD USED TO MEASURE PUMPING RATE (Rocket), WATER LEVEL (distance from land surface) BEFORE PUMPING (35), WHEN PUMPING (37), TYPE OF PUMP USED (for test) (S) submersible.

PUMP INSTALLED section including: 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, (-) below, LAND SURFACE (nearest foot).

