7/28/99 1/29/99/12 pm DEI

HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

XXXXXXXXX

410-313-2640

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-325229

-	<u> </u>			_	<u> </u>
A	50	560	-QQ		

5/2032-A

.....

DISTRICT____

DATE 7/27/99

DATE SYSTEM APPROVED

PPROVED 7/79

INDEXED

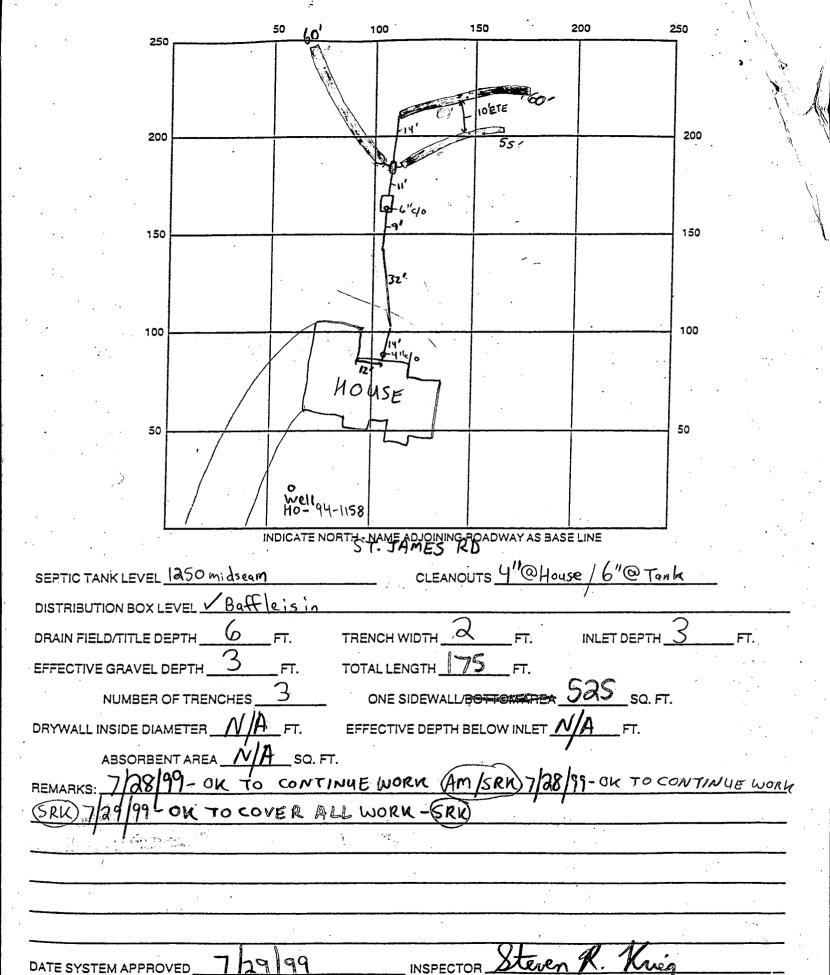
y	****			
Ben Lewis. Inc.	· · · · · · · · · · · · · · · · · · ·	IS PERMITTED TO	INSTALL X ALTER	
ADDRESS P.O. Box 93, Germantown, MI	20874	PHONE	301-428-3900	
SUBDIVISION Lyndonbrook!	LOT18	ROAD 2079 St	James Road	
PROPERTY OWNER	Greg & Diane 2	Zwitch	· ·	
ADDRESS				
SEPTIC TANK CAPACITY 1000 GALLONS				
NUMBER OF BEDROOMS 3 180 SOLIARE EEET PER BEDROOM	en e			
SQUARE FEET PER BEDROOM LINEAR FEET OF TRENCH REQUIRED180				
TRENCHES - Trench to be 2.0 feet wide	e. Inlet 3.0 fee	et below original gra	ide. Bottom maximum	
TRENCHES - Trench to be 2.0 feet wide depth 6.0 feet below original grade. 3.0 feet	inal grade. Effe	ective area begins at	3.5 feet below	
LOCATION - Place the distribution box	x 70 feet off the	right lot line and	120 feet off the rea	r
NOTES - No trench to exceed 100 for	eet in length. I	rovide 6" - 8" diame	tour in both direction eter cleanout and cap	ns.
to grade or above on sept	ic tank. ok 3	99 DILS	· · · · · · · · · · · · · · · · · · ·	
		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		<u>. </u>
PLANS APROVED BY Donna K. Soe/Amy McM	illen		DATE 3-01-1999	
COVER NO WORK UNTIL INSPECTED AND APPROVED		,		
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALT!	H DEPARTMENT IS RESPON	SIBLE FOR THE SUCCESSFUL OF	PERATION OF ANY SYSTEM	
NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWEI ACCEPTABLE.	R LINE AND/OR AT 90° SV	YEEPS IN LINES FROM HOUSE	TO DRAIN FIELDS, 90° ELBOWS	NOT
NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DIST AUTHORIZED)	RIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL	•	ALLY
NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTI	ION BEFORE AND AFTER PL	ACING GRAVEL IN TRENCH(ES)	BLUG BERMEI DOCK	,
NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER	R NO ABSORPTION TRENCH	TO EXCEED 100 FEET IN LENGTH	B001305/09	51
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CA	AST IRON OR SCHEDULE 25	40 PVC OR ABS	deck icceptor and	12/
PERMIT VOID AFTER TWO YEARS			steps to grade	

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT *CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 5 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



APPLICATION

PERCOLATION TESTING HOWARD COUNTY HEALTH DEPARTMENT DISTRICT BUREAU OF ENVIRONMENTAL HEALTH 3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043-TELEPHONE: 313-2640 TO: THE COUNTY HEALTH OFFICER ELLICOTT CITY, MARYLAND THEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM. 2151 Route 32 ADDRESS Sykesville, Maryland 21784 AGENT OR PROSPECTIVE BUYER SDC Group, Inc. P. O. Box 4.17 ADDRESS Ellicott City, Maryland 21041 PHONE (410) 465-4244 PROPERTY LOCATION: and Maryland Route 32 ELDG. PERMIT SIGNED 15 _____PARCEL#____40 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. ... APPROVED BY

THIS IS NOT A PERMIT

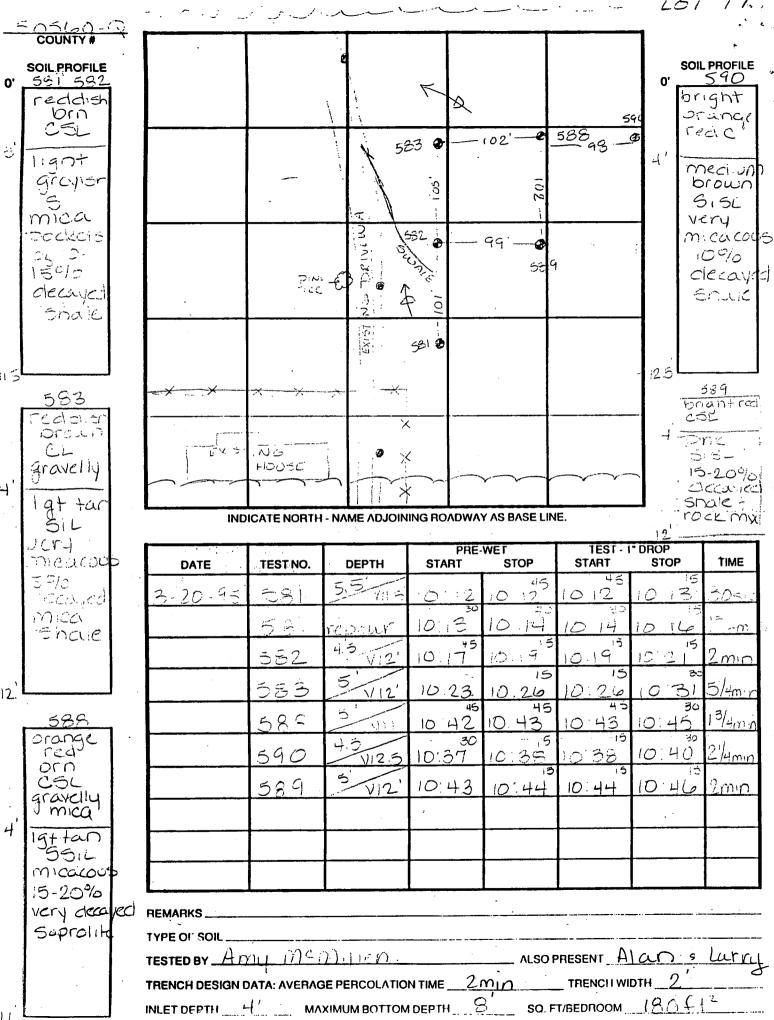
HD-216 (3/92)

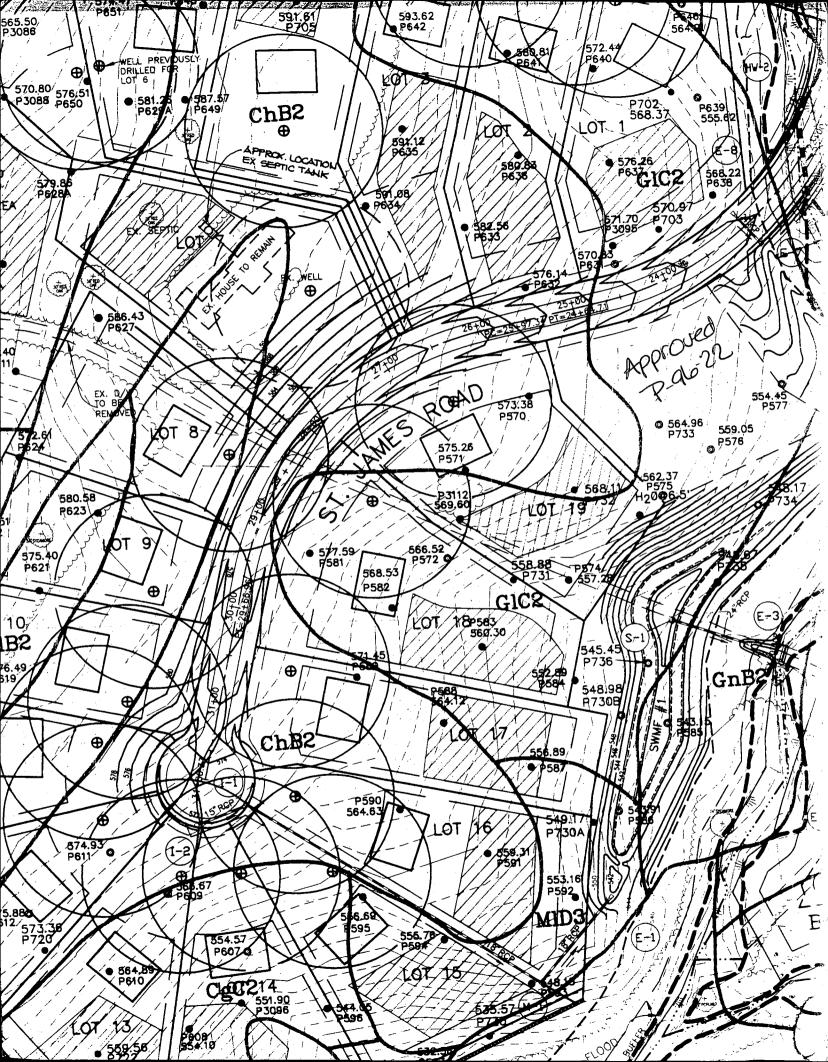
HOLD PENDING FURTHER TESTS.

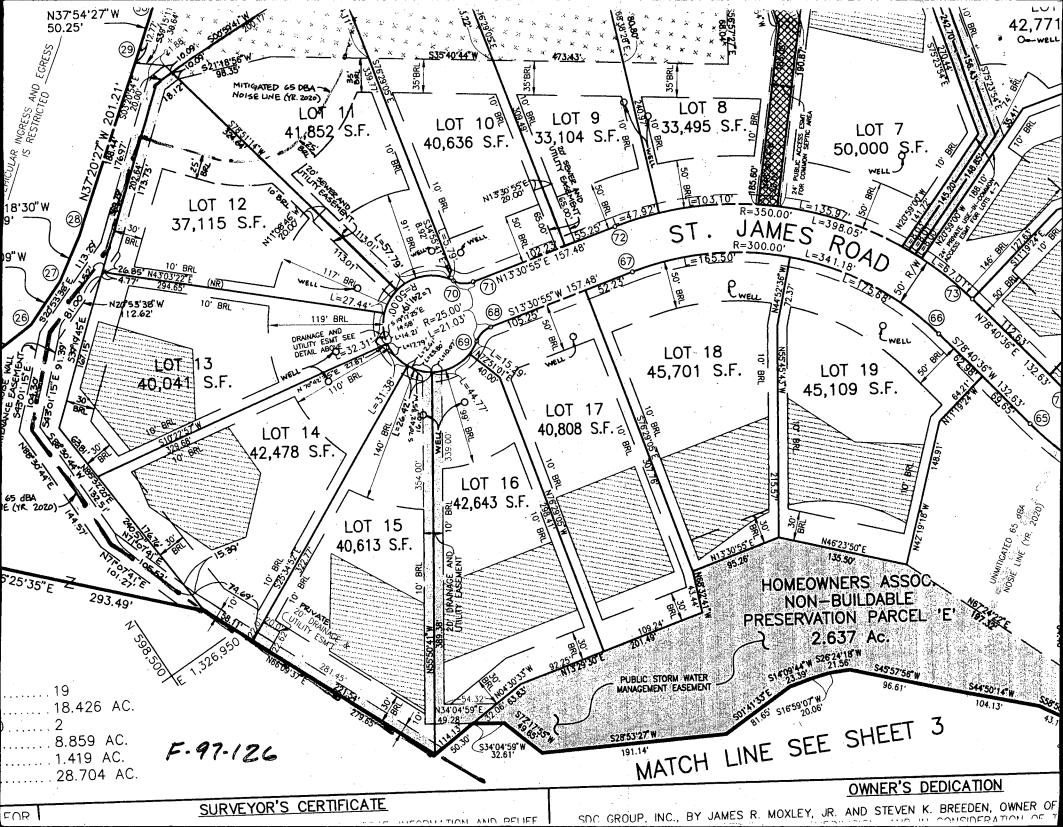
REASONS FOR REJECTION OR HOLDING.

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. #









Facsimile Transmission

9409 ELIZABETH CT.

	FULTON MD., 20759
From Rent Lazobsen	Phone (301) 953-2083 Fax (301) 953-1719
Date: 3/2/6/99	
Sumber of Pages:	
The Edu alon looks like about	
Where the well is.	
The will remain 15' from well	
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en lot 15 by westers to rack	
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J.H.

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

2.2.99

DEVELOPER'S CERTIFICATE

DATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT 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."

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS

TECHNICAL REQUIREMENTS. U.S.D.A. NATURAL RESOURCES CONSERVATION

THIS DEVELOPMENT IS APPROVED FOR SOIL ER TON AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. APPROVER

SEDIMENT CONTROL NOTES

- 1) A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LISCENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- 2) 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.

 3) FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT
- OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7
 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES,
 DIKES, 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
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, 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), SOD (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.
- 6) 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.
 7) SITE ANALYSIS:

TOTAL AREA OF SITE AREA DISTURBED AREA TO BE ROOFED OR PAVED AREA TO BE VEGETATIVELY STABILIZED

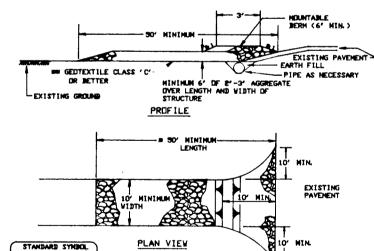
0.20 ACRES 0.10 ACRES 0.18 ACRES TOTAL FILL
OFFSITE WASTE/BORROW AREA LOCATION

B) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

10) 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

11) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGHTS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER



1. Length - minimum of 50' (M30' for single residence (ot).

NO E

2. Width - 10' minimum, should be flored at the existing road to provide a turning

Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family

4. Stone - crushed aggregate (2' to 3') or reclained or recycled concrete equivalent shall be placed at least 6' deep over the length and width of the

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 instacted through the stabilized construction entrance shall be protected with a nountable bern with 5:1 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.

6. 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 ENTENNIAL SQUARE OFFICE PARK - 10272 BAL IMORE NATIONAL PIKE

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT
- 2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 day)
- 3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2 days)
- 4. CONSTRUCT DWELLING ON SITE. (90 days)
- 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.

SEEDBED 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 (14 LBS./1000 5Q. FT.)

SEEDING:

FOR THE PRERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST
15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL
RYE (3.2 LBS./1,000 SQ.FT.)FOR THE PERIOD MAY 1 THRU AUGUST 14. SEED WITH 3 LBS/ACRE OF WEEPING LOVEGRASS (07 LBS/10005Q.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 SOD.

MULCHING:
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LB5./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING.
ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH
ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL./1,000 5Q.FT.)
OF EMULSIFIED ASPHALT ON FLAT ACRES. ON SLOPES 8 FEET OR HIGHER,
USE 348 GALLONS PER ACRE (8 GAL./1,000 5Q.FT.) FOR ANCHORING.

REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

Cepartment

County

ward

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDBED 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 LB5/1,000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LB5./1,000 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./1,000 SQ.FT.) AND 500 LBS. PER ACRE (11.5 LBS./ 1,000 5Q.FT.) OF 10-20-20 FERTILIZER.

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LB5. PER ACRE (2.3 LB5./1,000 50.FT.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LB5/ACRE 1.4 LBS./1,000 SQLFT.) KENTUCKY 31 TALL FESCUE AND
2 LBS. PER ACRE (0.05 LBS./1,000 SQLFT.) OF WEEPING
LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH
FEBRUARY 28. PROJECT 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

MULCHING:

APPLY 1 1/2 TO 2 TONS PER ACRE (10 TO 90 LBS./1,000 SQ.FT.)

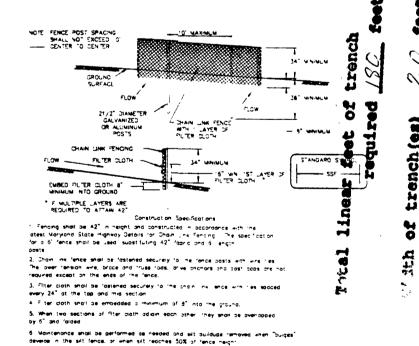
OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING.
ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200

GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED

COUNTY ON ELAT ACRES ON SLOPES & FEET OR HIGHER USE ASPHALT ON FLAT ACRES. ON SLOPES & FEET OR HIGHER USE 348 GALLONS PER ACRE (& GAL./1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS,

* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNVETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE 15 MARCH 1 TO APRIL 30.



SUPER SILT FENCE

 Yenside Strength
 50 bs/in imm
 Test VSW* 509

 Tenside Nodulus
 20 bs/in imm*
 Fest VSW* 509

 Tow Rate
 0.3 gai/*** immufe max*
 Test VSW* 529

 Fitzing Efficiency
 /5% imm
 Test VSW* 322

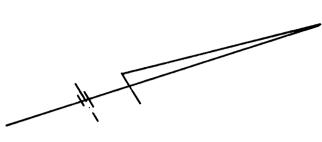
NOT TO SCALE

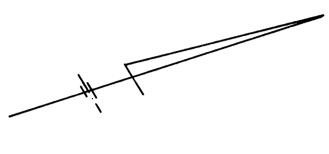
TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSIOL MUST MEET THE FOLLOWING TOPSIOL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND.

OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5 % BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.

TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES





GT.

572____

Senature

epth of st.

t

of

513° 30'55" W

52.23

R= 300.00

SEPTIC TANK

DISTRIBUTION

18

TRENCH

N 13° 30'53" E

HOMEOWNERS

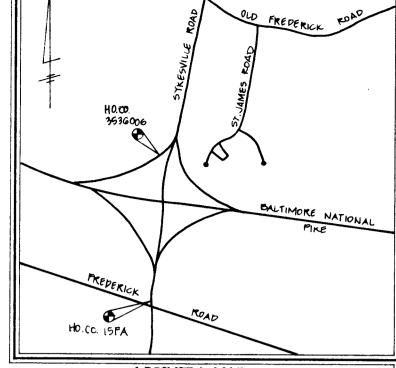
ASSOCIATION NON-BUILDABLE PRESERVATION

PARCEL 'E'

PLAN

SCALE: 1450'

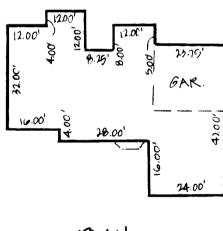
F.F. 577.50



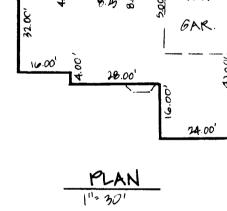
<u>VICINITY MAP</u>

GENERAL NOTES

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
- PROPOSED 1500 GALLON SEPTIC TANK.
 A. FIRST FLOOR ELEVATION: 577.50
- B. BASEMENT ELEVATION: 568 50 C. INVERT OF SEPTIC SYSTEM AT HOUSE: 566.00 D. INVERT IN AT SEPTIC TANK: 564.50
- NVERT OUT AT SEPTIC TANK: 564.20 PROPOSED GRADE OVER SEPTIC TANK: 566.00
- G. INVERT AT DISTRIBUTION BOX: 99.00
 H. EXISTING GROUND OVER DISTRIBUTION BOX: 562.00
 4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT
- ISSUANCE.
 5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING



PLAN



GP 99-134

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT

LYNDONBROOK

LOT 18

LOTS I THRU 30

PRESERVATION PARCELS A THRUF LONED: RK-DEO

TAX MAP 15 BLOCK 576 PARLE : 40 3rd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

JANUARY, 1999

LOT 19

ELLICOTT CITY, MARYLAND 21042

c 1 6053 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 ,2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	COUNTY A5056000
STICO USE ONLY DATE WELL COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
My-30-977 6 24 9	22 220 26	140-94-1158
8 13 15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
STREET OR RFD last name St. Jan	nes load first name TOWN //	est Friendship
SUBDIVISION Street for perty	SECTION	LOT
WELL LOG Not required for driven wells	GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST
DESCRIPTION (Use FEET check if water	CEMENT (CM) BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
additional sheets if needed) FROM TO bearing	NO. OF BAGS 45 19 NO. OF POUNDS 45 1986	PUMPING RATE (gal. per min.)
Sand 0 55	GALLONS OF WATER 1/4	METHOD USED TO
Jana 0	DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 5 6 ft.	MEASURE PUMPING RATE
لَمَوْلُ فِي اللَّهِ عَلَيْهِ عَلَيْهِ عَلَيْهِ مِنْ مِنْ اللَّهِ عَلَيْهِ عَلَيْهِ عَلَيْهِ وَلِمُعَالِمُ وَلَمُونِ	48 TOP 52 54 BOTTOM 558 (enter 0 if from surface)	WATER LEVEL (distance from land surface)
Gran Mis 55 220 v	casing CASING RECORD	BEFORE PUMPING $\frac{5.0}{17}$ ft.
Gray Mica 55 220 v	types insert appropriate STEEL CONCRETE	WHEN PUMPING
Rock	\ code \ DII OIT	22 25
	below PLASTIC OTHER	TYPE OF PUMP USED (for test) A air P piston T turbine
	MÅIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 other
	TYPE (nearest inch)! (nearest foot) SH 6 60	centrifugal R rotary (describe below)
	60 61 63 64 66 70	J jet S submersible
	E OTHER CASING (if used)	27 3001116131016
	A diameter depth (feet) C inch from to	PUMP INSTALLED
	C	DRILLER WILL INSTALL PUMP YES (NO)
1 1 1		(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP. THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS.
	screen type or open hole ST BR HO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
	Insert STEEL BRASS OPEN	IN BOX 29. CAPACITY:
	(appropriate code below) BRONZE HOLE P L O T	GALLONS PER MINUTE (to nearest gallon) 31 35
	PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNDUGGEGGGU INC.	C. 2 DEPTH (nearest st.)	PUMP COLUMN LENGTH , 41
NUMBER OF UNSUCCESSFUL WELLS:	12 HO 58 22019) (nearest ft.) 43 47
WELL HYDROFRACTURED Y	A 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	C H 2 3 24 26 30 32 36	above LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	23 24 26 30 32 36. S C 3	below (nearest) foot)
E ELECTRIC LOG OBTAINED TEST WELL CONVERTED TO PRODUCTION	R 38 39 41 45 47 51	49 50 51
WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN	E SLOT SIZE 1 2 3	LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS
ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE	DIAMETER (NEAREST OF SCREEN INCH)	BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	56 60 from to	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS LIC. NO. 1 M S D Q 2 H 1		(MEXICOTEMETERS TO WELL)
On the second se	GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL	4 /5. 72
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	INSERT F IN BOX 68 68 MDE USE ONLY	4
(\ LIC. NO.1 M \(\sigma\) D \(\O \O \	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	I Am es
) and annual	(2000)	
SITE SUPERVISOR Sign of driller on journeyman	70 72 74 75 76	6
responsible for sitework if different from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA	
,	COUNTY	

Page	, of,
Date	6/24/97

FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

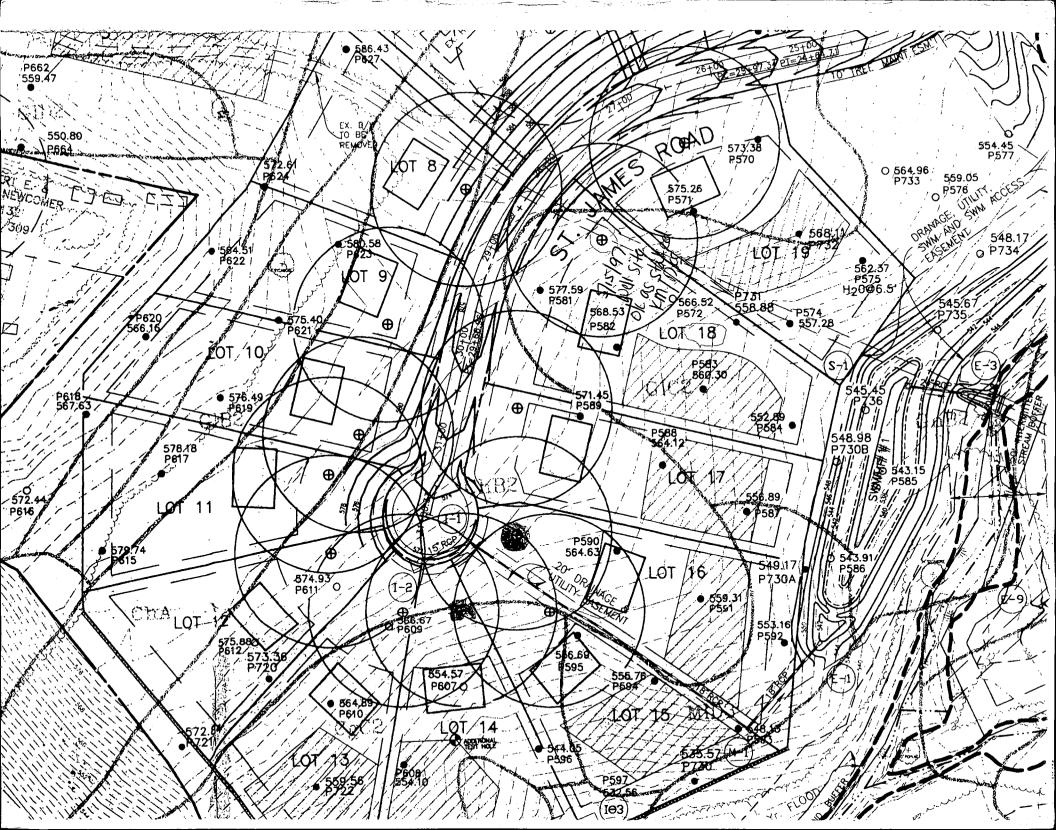
Locat Subdi	Permit No. HO - 94-1158 ion of property (road) St. James Load ivision Stieder Property Lot 18 Block Plat Sec Driller Seph Mayre Owner Si
	Depth of well 20° Distance of measuring point (M.P.) above ground $1/2$ Static water level (S.W.L.) below M.P. 55°
I.	High rate pumping reservoir drawdown
	Time pump started 10:55 Pumping rate 2000 Pumping rate Total time 1500 to reach pumping water level 136 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute in- tervals	WATER LEVEL below M.P.	PUMPING RATE time to fill § / gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW
10:40	136	3 sec.		minute)
10:55	/3/	7		8.50
11:10	131	7		8.5°
11:25	131	7		8.5
11:40	131	7		8.5
11:55	131	7		· · · · · · · · · · · · · · · · · · ·
12:10	131	7		2.5
12:25	131	7		
12:40	131	7		8.5
12:55	131	7		8.5
1:10	131	7		8.5
1:25	131	7		8.5
1:40	131	7		8.5
	1 20	8		8.5
				_
				· · · · · · · · · · · · · · · · · · ·

	EMERGENCY	TEMP NO. IF ANY
В	SEQUENCE NO. STATE OF	F MARYLAND STATE PERMIT NUMBER
<i>B</i>	(MIDE USE CINET) PERMIT TO	O DRILL WELL IN- OU- 115Q
1	2 3 6	orint or type 70 fill in this form completely 79
	Date Received (APA)	B 3 / LOCATION OF WELL
	WINE INFORMATION	HOWARD
	8 MM DD/ YY 13	8 COUNTY 21
	SUC	STICOLER PROPERTY
	15 Last Name Owner First Name 34	23 SUBDIVISION 42
	1.0. Box 419	SECTION L LOT L 18
	Street or RFD 55	44 46 48 50
	ELLICOTTCITY MD 21041	West FRIENDShip
H	57 Town / 70 State 72 Zip 76	52 NEAREST TOWN 71
	DRILLER INFORMATION Λ	MILES FROM TOWN (enter 0 if in town)
	brush & Mayre M SD 024	73 76 77 78
	Driller's Name 76 License No. 81	$\begin{bmatrix} B & 4 \\ 1 & 2 \end{bmatrix}$
	Joseph L. Moune Well Drelling	DIRECTION OF WELL FROM
1	Firm/Name	TOWN (CIRCLE BOX) 11 NEAR WHAT ROAD 30
1	13312 Kidge Rd. Mt. ChyMD21771	ON WHICH SIDE OF ROAD NORTH
1	Address	(CIRCLE APPROPRIATE BOX)
1	Lyongh & Thank 4/21/98	WEST (SEAST)
<u> </u>	Signature Daté Daté	(TOWN)E
$\frac{E}{1}$		8 DISTANCE FROM ROAD
l '	(GAL. PER MIN.) 8 12	ENTER FT OR MI 38 39
	AVERAGE DAILY QUANTITY NEEDED	8-9 S 8-9 TAX MAP: BLK: PARCEL
-	(GAL PER DAY) 14 20	NOT TO BE FILLED IN DV DDILLED
	USE FOR WATER (CIRCLE APPROPRIATE BOX) D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)	NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
	TOME (SINGLE ON BOODLE HOUSENGED ONLY ONE)	1/2 d DEMANN
ŀ	F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION	COUNTY NAME COUNTY NO.
ŀ		STATE
22	INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)	SIGNATURE INSERT S
	PUBLIC OR PRIVATE WATER COMPANY (REQUIRES	DATE ISSUED 1:10 Min to 5/20/00
	APPROPRIATION PERMIT AND STATE APPROVAL	43 MM DD YY 48/7 CO'SIGNATURE EXP. DATE
	T TEST, OBSERVATION, MONITORING (MAY REQUIRE	NORTH 53 D 000 EAST DILL 000
	APPROPRIATION PERMIT)	GRID 53 50 0 0 0 GRID 57 0 0 0 63
		SHOW MAJOR FEATURES OF 6/14/97
٧.	APPROXIMATE DEPTH OF WELL / 300 FEET	BOX & LOCATE WELL —————————————————————————————————
	24 28	WITH AN X
	APPROXIMATE DIAMETER OF WELL & NEARES	SOURCES OF DRILLING WATER 1. 4)e AL
	APPHOXIMATE DIAMETER OF WELL INCH	2.
	METHOD OF DRILLING (circle one)	3.
£ 5	BORED (or Augered) JETTED Jetted & DRIVEN	
3	AIR-PERcussion ROTARY (Hydraulic Rotary)	WRITE THE BOX NUMBER
3	CABLE REVerse-ROTary DRive-POINT	FROM THE MAP HERE
	other	
t	REPLACEMENT OR DEEPENED WELLS	E 8104
	(CIRCLE APPROPRIATE BOX)	000 000
ı	THIS WELL WILL NOT REPLACE AN EXISTING WELL	N 540 38
ŀ	THIS WELL WILL REPLACE A WELL THAT WILL BE	DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN
	ABANDONED AND SEALED	RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
3	THIS WELL WILL REPLACE A WELL THAT WILL BE USED S AS A STANDBY CONTACT LOCAL APPROVING AUTHORITY	M D 4 G
	FOR POLICY ON STANDBY WELLS	
	THIS WELL WILL DEEPEN AN EXISTING WELL	Wells .
	PERMIT NUMBER OF WELL TO BE REPLACED OR DEPENED (IF AVAILABLE) 41 52	N X
L	52	
	Not to be filled in by driller (MDE OR COUNTY USE ONLY)	1 T. Short E
	APPROP PERMIT NUMBER G A P	WX LE
\	APPROP. PERMIT NUMBER 54 63	
	$L_{D} = KN$ INITIALS $L_{D} = QL = 1/KR$	
L	FORCE 67 68 IN BOX PERMIT No. 70 71 72 73 74 75 76 77 78 79	West Friendship
1	SPECIAL CONDITIONS	A

COUNTY

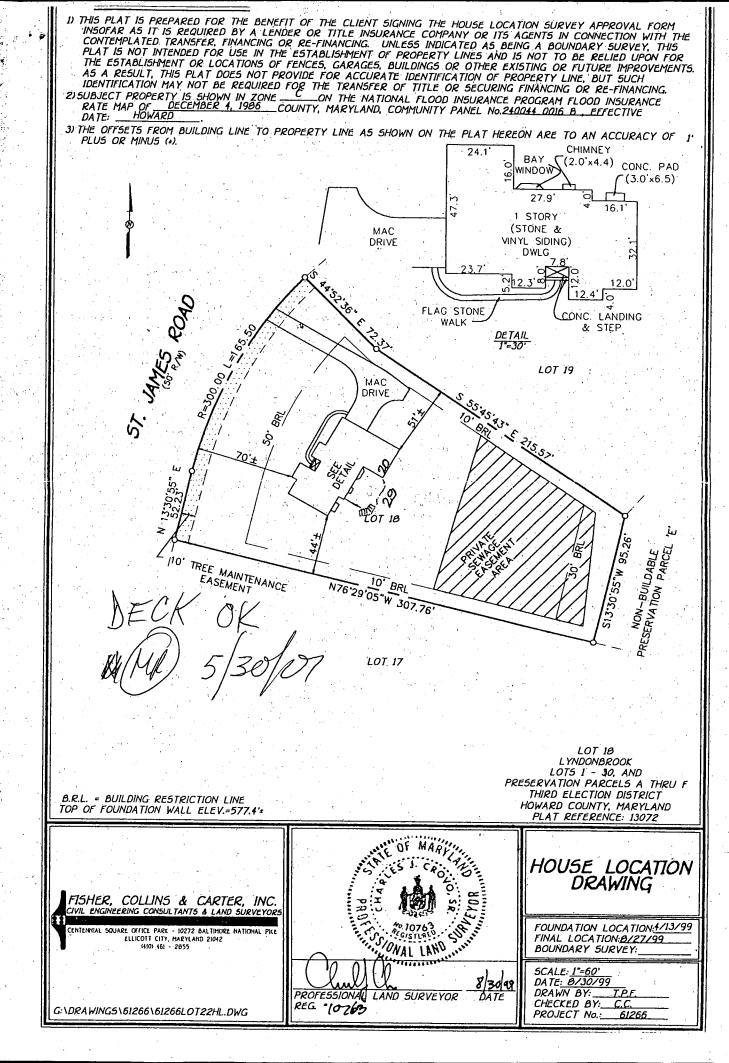


1103132648

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

410 3/3 26 40
APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement		Receipt #
Name of Installer Ber	Lewis ho	Telephone 30142835
License Number 1/202 Certified Well Pump Inst		Registered Plumber
Name of Property Owner Subdivision Undan 19 So	james Way 18 W	
Pump 1. Type a. Deep well jet	Motor 1. Horsepower 1/3 2. RPM	Pitless Adapter 1. Make
b. Shallow well jet c. Submersible	3. Voltage	2. Model # 3. Depth 42.4
2. Make South		
 Pump exceeds well caps If Yes, is low pressur What methods are used 	re cutoff switch installed? to protect the pump and electors Cable guards	trical wiring from
5. Pump exceeds well caps 6. If Yes, is low pressur 7. What methods are used vibrations? Torque a Tank 1. Capacity	re cutoff switch installed? to protect the pump and electors Cable guards	trical wiring from Other Well data
5. Pump exceeds well caps 6. If Yes, is low pressur 7. What methods are used vibrations? Torque a Tank 1. Capacity	Piping Blf 100 = 1. Type 2. Size 3. NSF and/or BOCA.	Well data 1. Depth 2. Yield 3. Static water
5. Pump exceeds well caps 6. If Yes, is low pressur 7. What methods are used vibrations? Torque a Tank 1. Capacity Value 2. Pressure relief	Piping Blt 100 = 1. Type 2. Size	Well data 1. Depth 2. Yield Grown 1. Topic ft.
5. Pump exceeds well caps 6. If Yes, is low pressur 7. What methods are used vibrations? Torque a Tank 1. Capacity Val 2. Pressure relief valve?	Piping Blt 100 = 1. Type 2. Size 3. NSF and/or BOCA Code approved 4. Depth of supply	Well data 1. Depth 2. Yield GPM 3. Static water level 3-3 ft. 4. Will water supply be disinfected by installer?
5. Pump exceeds well caps 6. If Yes, is low pressur 7. What methods are used vibrations? Torque a Tank 1. Capacity Val 2. Pressure relief valve? Valve? I understand that it is Department when the instalis null and void). All information given about	Piping Bl loo 1. Type 2. Size 3. NSF and/or BOCA Code approved 4. Depth of supply 1. Type 4. Depth of supply 1. Type 2. Size 3. NSF and/or BOCA Code approved 4. Depth of supply 1 Type By responsibility to notify	Well data 1. Depth 2. Yield GPM 3. Static water level 3.3 ft. 4. Will water supply be disinfected by installer? the Howard County Health on (otherwise this permit
Tank 1. Capacity Val 2. Pressure relief valve?	Piping Blt 100 = 1. Type 2. Size 10. Code approved 4. Depth of supply line 1. Type 1. Type 2. Size 10. Code approved 4. Depth of supply 1. Type 1. Type 2. Size 10. Code approved 4. Depth of supply 1. Size 10. Supply 1. Sup	Well data 1. Depth 2. Yield GPM 3. Static water level 3.3 ft. 4. Will water supply be disinfected by installer? the Howard County Health on (otherwise this permit



DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS

3430 COURT HOUSE DRIVE

ELLICOTT CITY, MD 21043

PERMIT A DRI LOA TION

1

PERMITS (410)313-2455 INSPECTIONS (410)313-1810 AUTOMATED INFORMATION (410) 313-3800	ERMIT APPLICATION	10,00730367	
Building Address 2074 51 DWES	(2) Property Owner's Na	ame GREG ZWITCHIMM	
XIMPERIOTISVILLE - MD. 2	1104 Address 2070	ST DAYES RO.	
/\ 		VILLE State MDzip Code 2110-	
Suite/Apt. #: SDP/WP/Petition #:	Sind iii .		
Census Tract 6030 Subdivision Lynd	Annicant's Name &	Mailing Address, (if other than stated hereon):	
Section Area Lot /	S Applicant a Marile G	Maining Address, the Other than states hereon.	
Tax Map 15 Parcel 45 Grid	5		
		. East	
Zoning A2 Map Coordinates 5 P 17 Lot size		Fax	
Proposed Use 500		TIME CHARELITY!	
Estimated Construction Cost \$ 9200		Contact Person (20N CCLISON) Address VBA O GUILLOGO (40)	
Description of Work AN DECK MACK	Address Address		
		State (MI) Zip Code 2070	
29×19 /57:05	License No. With a	19692	
GNAD	Phone	Fax	
Occupant or Tenant	Engineer or Architec	t Company	
Contact Name	Contact Person		
Address	Address		
		State 7in Code	
City State Zip Code		State Zip Code	
Phone Fax	Phone	Fax	
BUILDING DESCRIPTION - COMMERCIAL	BUILDING 1	DESCRIPTION - <u>RESIDENTIAL</u>	
Building Characteristics Utili	ities Building Cha	racteristics <u>Utilities</u>	
Height: Water Supply:	SF Dwelling SF T	ownhouse Water Supply:	
No. of stories: Private	1st floor:	Private	
Sewage Disposal		Sewage Disposal: Public	
Gross area, sq. ft. per floor: Public Private	Basement Finished Basement Unit	-Private	
Electric Yes □	Crawl space Slab on	Grade □ Electric Yes □ No □	
Use group: Gas Yes □ 1		Gas Yes□ No □	
Heating System:	No. of efficiency units:	including Dystonia.	
Construction type: Electric Oil	No. of 2 BR units:		
Reinforced Concrete Natural Gas Structural Steel Propane Gas			
Masonry Wood Frame Sprinkler system:	Other Structure: Dimensions:		
Full	Footings:Roof:	NFPA #13R Other:	
State Certified Modular Partial Other Suppr	ression State Certified Me		
# of Heads THE UNDERSTONED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZE	Manufactured Ho		
THE INDEXIONED HERBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HESSIE IS AUTHORIZE CRUMTY WHICH ARE APPLICABLE THERETO; (4) THAT HESSIE WILL PERFORM NO WORK ON THE A ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF PRIFECTING THE WORK PERMITTED AND POSTU	ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED (N THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGH	
121.6	(2.1)	COLISON	
Applicant's Signature	Print Name 3	7/20	
- THE CAMPONITY		701	
	Date DIRECTOR OF FINANCE OF HOWARD	COUNTY	
	ASE WRITE NEATLY AND LEGIBLY. **		
AGENGY DATE SCHATURARY	OVAL DPZSETBAGRAINEORMA	WION PROPERSON DAY	
and Developments Division States Communication Communicati			
SIAICHIGHWAYS			
paylenging on class	Walter Transfer		
	STORY OF THE STORY	CONTRACTOR OF THE PROPERTY OF	
CHEATH SEE STATE STATE OF THE SECOND	All and the distributions of the Confession of States	horathess (2245-1212)	
Hannes Super		SULGOINGE STATE	
o Maine de la		Side Spinstation Signature Find the supplies of the supplies	
Haines - Pulled - Pul		Store (1995) Substitution (1995) Figure (1995) Substitution (1995) Substitution (1995) Substitution (1995)	
Transfer of the state of the st	Algalificity privide and Algalific Specific Spec	Storatoffers S. A. M. Sundopfing and S. Sundopfi	
o Heiner School Providence Sch	Algalificity privide and Algalific Specific Spec	Storatopass Sandarda	
[2] [2] [2] [2] [2] [2] [2] [2] [2] [2]	Algalificity privide and Algalific Specific Spec	Substitution Subst	
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