

<u>ENGINEER'S CERTIFICATE</u>	
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 BY ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.	
SIGNATURE OF ENGINEER _____	DATE _____
<u>DEVELOPER'S CERTIFICATE</u>	
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 AUTHORIZED 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.	
APPROVED:	
DISTRICT HOWARD SOIL CONSERVATION DIST. _____	DATE _____

SIGNATURE OF ENGINEER _____ DATE _____

"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 ONE OF THE PRESENTED NATURAL RESOURCES AGENCY TRAINING PROGRAMS 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 _____

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

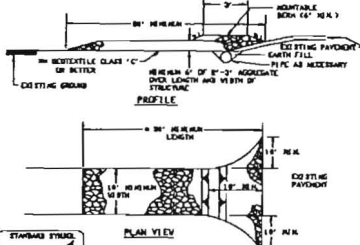
U.S. SOIL CONSERVATION DISTRICT _____ DATE _____

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

DISTRICT HOWARD SOIL CONSERVATION DIST. _____ DATE _____

[illegible]

- 6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED TO PREVENT EROSION. THE PERFORMANCE OF THESE REMEDIAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7) SITE ANALYSIS
- | | | |
|---------------------------------------|------|---------|
| TOTAL AREA OF DISTURBED | 0.46 | ACRES |
| AREA TO BE GRADED OR PAVED | 0.05 | ACRES |
| AREA TO BE VEGETATIVELY STABILIZED | 0.05 | ACRES |
| TOTAL CUT | 200 | CU YDS. |
| TOTAL FILL | 200 | CU YDS. |
| OFFSITE WASTE/ROBBERMATERIAL LOCATION | 0.10 | ACRES |
- 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR THE EXPOSED UTILITY CONSTRUCTION SHALL BE REPAIRED DATE OF DISTURBANCE.
- 9) ADDITIONAL SEDIMENT CONTROL MEASURES 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 DISTURBANCE AGENCY SHALL BE OBTAINED UPON COMPLETION OF INSTALLATION OF PERMANENT EROSION AND SEDIMENT CONTROLS, BUT BEFORE ANY OTHER BUILDING OR GRADING DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING SIGNIFICANT UNDESIRABLE MAY NOT BE CONSIDERED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS IN PLACE.
- 11) THEREFOR FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PERCENT OF THE TOTAL AREA OF THE DISTURBED AREAS AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

[illegible]

FISHER, COLLINS & CARTER, INC.

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

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

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

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

FOR THE PRERIOS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RTE 0.2 LBS./ACRE SOFTWOM FOR THE PERIOD MAY 1 THROUGH AUGUST 15, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS 1.07 LBS./1000SQ.FT. FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STEAM MACHIN AND SEED AS SOON AS POSSIBLE IN THE SPRING OR USE 500.

APPLY 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNWEIGHTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 200 GALLONS PER ACRE IS GAL/1,000 SQ.FT.) OF GRANULATED ASPHALT OR FLAT ASPHALT ON SLOPES 4 FEET OR HIGHER. USE 340 GALLONS PER ACRE OR GAL/1,000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1980 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

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

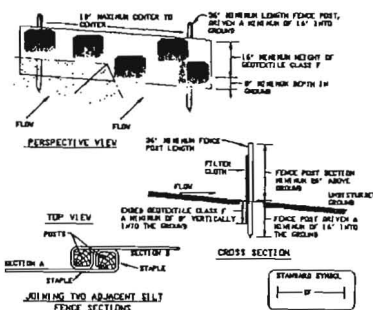
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 GAL.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (1 LBS./1,000 GAL.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 600 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (1 LBS./1,000 GAL.) AND 900 LBS. PER ACRE 11-5 LBS./1,000 GAL.) OF 10-20-20 FERTILIZER.

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 80 LBS./ACRE (1.4 LBS./1,000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND

LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 THROUGH
FEBRUARY 28, PROJECT SITE B71 OPTION C1 - TWO TONS PER
ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS
POSSIBLE IN THE SPRING; OPTION C2 - USE 500, OPTION C3 -
SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH
WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD
BE HYDROSEEDED.

APPLY 1/2 TO 2 TONS PER ACRE OR TO 90 LBS./1000 SQ.FT. OF UNBROADCAST SMALL GRAIN STRAW IMMEDIATELY AFTER BREEDING. ANOTHER HARROW IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES OR SLOPES 6 FEET OR HIGHER USE 340 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) FOR ANCHORING.

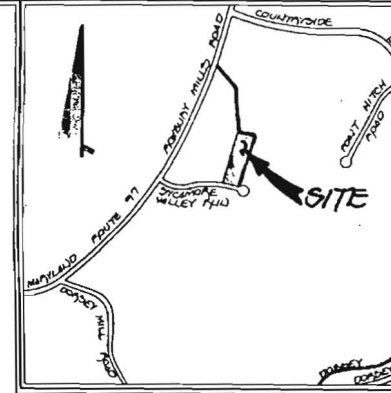
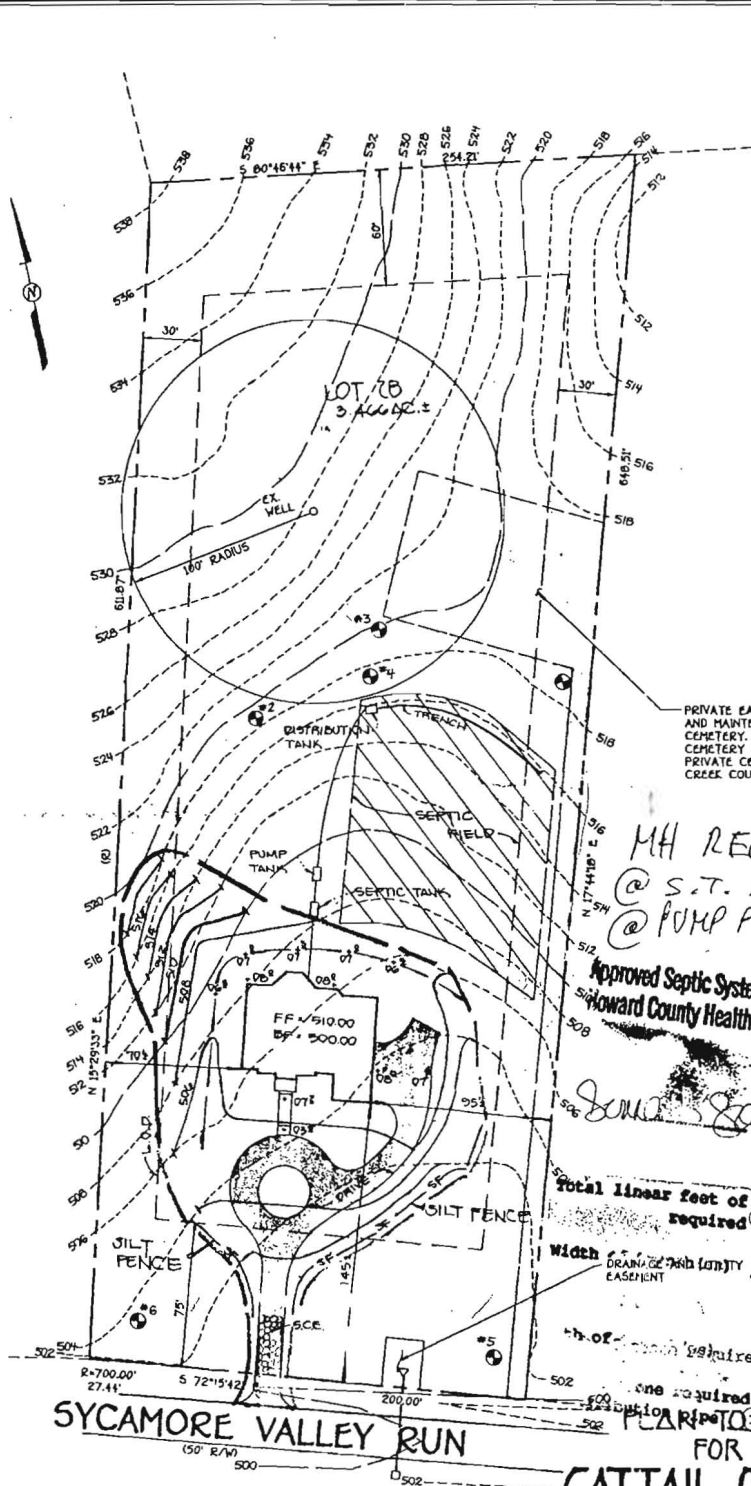
* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWWEATCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



1. Force plates shall be a minimum of 31" long and 18" wide and 1 1/2" thick. The ground plate shall be 31" x 31" x 31/8" and the top plate be 12 1/2" x 31" x 31/8". The front plate shall be of sound quality. Force plates shall be 1/2" thick and 18" wide and 1 1/2" high. The top plate shall be 12 1/2" x 31" x 31/8".

2. Generators shall be furnished according to each force plate of 30 or 40 or 50 or 60 or 70 or 80 or 90 or 100 or 110 or 120 or 130 or 140 or 150 or 160 or 170 or 180 or 190 or 200 or 210 or 220 or 230 or 240 or 250 or 260 or 270 or 280 or 290 or 300 or 310 or 320 or 330 or 340 or 350 or 360 or 370 or 380 or 390 or 400 or 410 or 420 or 430 or 440 or 450 or 460 or 470 or 480 or 490 or 500 or 510 or 520 or 530 or 540 or 550 or 560 or 570 or 580 or 590 or 600 or 610 or 620 or 630 or 640 or 650 or 660 or 670 or 680 or 690 or 700 or 710 or 720 or 730 or 740 or 750 or 760 or 770 or 780 or 790 or 800 or 810 or 820 or 830 or 840 or 850 or 860 or 870 or 880 or 890 or 900 or 910 or 920 or 930 or 940 or 950 or 960 or 970 or 980 or 990 or 1000 or 1010 or 1020 or 1030 or 1040 or 1050 or 1060 or 1070 or 1080 or 1090 or 1100 or 1110 or 1120 or 1130 or 1140 or 1150 or 1160 or 1170 or 1180 or 1190 or 1200 or 1210 or 1220 or 1230 or 1240 or 1250 or 1260 or 1270 or 1280 or 1290 or 1300 or 1310 or 1320 or 1330 or 1340 or 1350 or 1360 or 1370 or 1380 or 1390 or 1400 or 1410 or 1420 or 1430 or 1440 or 1450 or 1460 or 1470 or 1480 or 1490 or 1500 or 1510 or 1520 or 1530 or 1540 or 1550 or 1560 or 1570 or 1580 or 1590 or 1600 or 1610 or 1620 or 1630 or 1640 or 1650 or 1660 or 1670 or 1680 or 1690 or 1700 or 1710 or 1720 or 1730 or 1740 or 1750 or 1760 or 1770 or 1780 or 1790 or 1800 or 1810 or 1820 or 1830 or 1840 or 1850 or 1860 or 1870 or 1880 or 1890 or 1900 or 1910 or 1920 or 1930 or 1940 or 1950 or 1960 or 1970 or 1980 or 1990 or 2000 or 2010 or 2020 or 2030 or 2040 or 2050 or 2060 or 2070 or 2080 or 2090 or 2100 or 2110 or 2120 or 2130 or 2140 or 2150 or 2160 or 2170 or 2180 or 2190 or 2200 or 2210 or 2220 or 2230 or 2240 or 2250 or 2260 or 2270 or 2280 or 2290 or 2300 or 2310 or 2320 or 2330 or 2340 or 2350 or 2360 or 2370 or 2380 or 2390 or 2400 or 2410 or 2420 or 2430 or 2440 or 2450 or 2460 or 2470 or 2480 or 2490 or 2500 or 2510 or 2520 or 2530 or 2540 or 2550 or 2560 or 2570 or 2580 or 2590 or 2600 or 2610 or 2620 or 2630 or 2640 or 2650 or 2660 or 2670 or 2680 or 2690 or 2700 or 2710 or 2720 or 2730 or 2740 or 2750 or 2760 or 2770 or 2780 or 2790 or 2800 or 2810 or 2820 or 2830 or 2840 or 2850 or 2860 or 2870 or 2880 or 2890 or 2900 or 2910 or 2920 or 2930 or 2940 or 2950 or 2960 or 2970 or 2980 or 2990 or 3000 or 3010 or 3020 or 3030 or 3040 or 3050 or 3060 or 3070 or 3080 or 3090 or 3100 or 3110 or 3120 or 3130 or 3140 or 3150 or 3160 or 3170 or 3180 or 3190 or 3200 or 3210 or 3220 or 3230 or 3240 or 3250 or 3260 or 3270 or 3280 or 3290 or 3300 or 3310 or 3320 or 3330 or 3340 or 3350 or 3360 or 3370 or 3380 or 3390 or 3400 or 3410 or 3420 or 3430 or 3440 or 3450 or 3460 or 3470 or 3480 or 3490 or 3500 or 3510 or 3520 or 3530 or 3540 or 3550 or 3560 or 3570 or 3580 or 3590 or 3600 or 3610 or 3620 or 3630 or 3640 or 3650 or 3660 or 3670 or 3680 or 3690 or 3700 or 3710 or 3720 or 3730 or 3740 or 3750 or 3760 or 3770 or 3780 or 3790 or 3800 or 3810 or 3820 or 3830 or 3840 or 3850 or 3860 or 3870 or 3880 or 3890 or 3900 or 3910 or 3920 or 3930 or 3940 or 3950 or 3960 or 3970 or 3980 or 3990 or 4000 or 4010 or 4020 or 4030 or 4040 or 4050 or 4060 or 4070 or 4080 or 4090 or 4100 or 4110 or 4120 or 4130 or 4140 or 4150 or 4160 or 4170 or 4180 or 4190 or 4200 or 4210 or 4220 or 4230 or 4240 or 4250 or 4260 or 4270 or 4280 or 4290 or 4300 or 4310 or 4320 or 4330 or 4340 or 4350 or 4360 or 4370 or 4380 or 4390 or 4400 or 4410 or 4420 or 4430 or 4440 or 4450 or 4460 or 4470 or 4480 or 4490 or 4500 or 4510 or 4520 or 4530 or 4540 or 4550 or 4560 or 4570 or 4580 or 4590 or 4600 or 4610 or 4620 or 4630 or 4640 or 4650 or 4660 or 4670 or 4680 or 4690 or 4700 or 4710 or 4720 or 4730 or 4740 or 4750 or 4760 or 4770 or 4780 or 4790 or 4800 or 4810 or 4820 or 4830 or 4840 or 4850 or 4860 or 4870 or 4880 or 4890 or 4900 or 4910 or 4920 or 4930 or 4940 or 4950 or 4960 or 4970 or 4980 or 4990 or 5000 or 5010 or 5020 or 5030 or 5040 or 5050 or 5060 or 5070 or 5080 or 5090 or 5100 or 5110 or 5120 or 5130 or 5140 or 5150 or 5160 or 5170 or 5180 or 5190 or 5200 or 5210 or 5220 or 5230 or 5240 or 5250 or 5260 or 5270 or 5280 or 5290 or 5300 or 5310 or 5320 or 5330 or 5340 or 5350 or 5360 or 5370 or 5380 or 5390 or 5400 or 5410 or 5420 or 5430 or 5440 or 5450 or 5460 or 5470 or 5480 or 5490 or 5500 or 5510 or 5520 or 5530 or 5540 or 5550 or 5560 or 5570 or 5580 or 5590 or 5600 or 5610 or 5620 or 5630 or 5640 or 5650 or 5660 or 5670 or 5680 or 5690 or 5700 or 5710 or 5720 or 5730 or 5740 or 5750 or 5760 or 5770 or 5780 or 5790 or 5800 or 5810 or 5820 or 5830 or 5840 or 5850 or 5860 or 5870 or 5880 or 5890 or 5900 or 5910 or 5920 or 5930 or 5940 or 5950 or 5960 or 5970 or 5980 or 5990 or 6000 or 6010 or 6020 or 6030 or 6040 or 6050 or 6060 or 6070 or 6080 or 6090 or 6100 or 6110 or 6120 or 6130 or 6140 or 6150 or 6160 or 6170 or 6180 or 6190 or 6200 or 6210 or 6220 or 6230 or 6240 or 6250 or 6260 or 6270 or 6280 or 6290 or 6300 or 6310 or 6320 or 6330 or 6340 or 6350 or 6360 or 6370 or 6380 or 6390 or 6400 or 6410 or 6420 or 6430 or 6440 or 6450 or 6460 or 6470 or 6480 or 6490 or 6500 or 6510 or 6520 or 6530 or 6540 or 6550 or 6560 or 6570 or 6580 or 6590 or 6600 or 6610 or 6620 or 6630 or 6640 or 6650 or 6660 or 6670 or 6680 or 6690 or 6700 or 6710 or 6720 or 6730 or 6740 or 6750 or 6760 or

NOT TO SCALE



1. SEPTIC BASIN/POUND SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO. 1000.
2. PROPOSED 1000 GALLON SEPTIC TANK
3. INVERT AT SEPTIC TANK 500.0
4. INVERT AT DISTRIBUTION 500.0
5. INVERT OF SEPTIC TANK GRADE 504.0
6. INVERT IN AT SEPTIC TANK 503.5
7. INVERT AT SEPTIC TANK 502.0
8. PROPOSED GRADE OVER SEPTIC TANK 510.0
9. INVERT AT DISTRIBUTION BOX 512.0
10. EXISTING GROUND OVER DISTRIBUTION BOX 516.0
11. LENGTH OF TRENCH TO BE DETERMINED AT THE OF SEPTIC PUMP
12. CONTRACTOR TO BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE CONSTRUCTION
13. THERE IS NO BASINMENT SYSTEM TO SEPTIC SYSTEM
7. PUMPED SEPTIC SYSTEM REQUIRED
- 1000 GALLON PUMP CHAMBER
- INW. IN. AT PUMP PIT 602.8
- INW. GWT AT 602.5

PRIVATE EASEMENT FOR INGRESS, EGRESS AND MAINTENANCE OF AN EXISTING CEMETERY. MAINTENANCE OF PRIVATE CEMETERY AND DRIVEWAY ACCESS TO PRIVATE CEMETERY WILL BE BY CATTAL CREEK COUNTRY CLUB INC.

MH REQ'D
@ S.T. AND
@ PUMP PIT

Approved Septic System Plan
Howard County Health Department

1506 Summit 800 4/24/88
Date

total linear feet of trench
required (150) feet

width 2 feet
DRAINAGE EASEMENT 3 feet
length 10 feet

one required below

502 ~~FEAR TO ACCOM~~
FOR BUILDING
CATTAIL CREEK

TAX MAP 21

PROPOSED RESIDENCE

Date 2-1-8

Total linear feet of trench _____

Required 150 feet
width 3 feet
DRAINAGE AND UTILITY EASEMENT

feet
No. of men required per foot

~~502~~ One required below
~~500~~ Distribution Dept.
~~502~~ PLANT TO AG COMPANY APPLICATION
FOR BUILDING PERMIT

CATTAIL CREEK COUNTRY CL
LOT 28

TAX MAP 21 ZONED - R PARCEL 1