

9-13-96
OK P WPT
2:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-417910

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

313-2640

P 57267A

A 49337B

DISTRICT 5th

DATE 9/11/96

DATE SYSTEM APPROVED 10/25/96

INSPECTOR [Signature]

INDEXED

Olen Ketterman IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144, Woodbine, Maryland 21797 PHONE 442-1336

SUBDIVISION Fulton Manor LOT 4 ROAD 12312 Pleasant View Drive

PROPERTY OWNER Selfridge Builders, Inc.

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS TOP SEAMED TANK *** PUMP SYSTEM ONLY***

NUMBER OF BEDROOMS 4 **1000 gal. pump chamber required**

180 SQUARE FEET PER BEDROOM *Install trenches as shown on building permit drawing.*

LINEAR FEET OF TRENCH REQUIRED 240 SEPTIC PUMP DETAIL TO BE PROVIDED BY SEPTIC CONTRACTOR PRIOR TO SEPTIC PERMIT ISSUANCE.

TRENCHES - Trench to be 3 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 4 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 45 feet up the right lot line (271.27') and 105 feet off that same lot line when facing the lot from Pleasant View Way. 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. MAINTAIN 100 FEET MINIMUM DISTANCE BETWEEN WELL AND ANY PART OF SEPTIC SYSTEM. OK 7/1/96 DKS

PLANS APPROVED BY Amy McMillen DATE 6/13/96

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

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

HD-260(6-90)

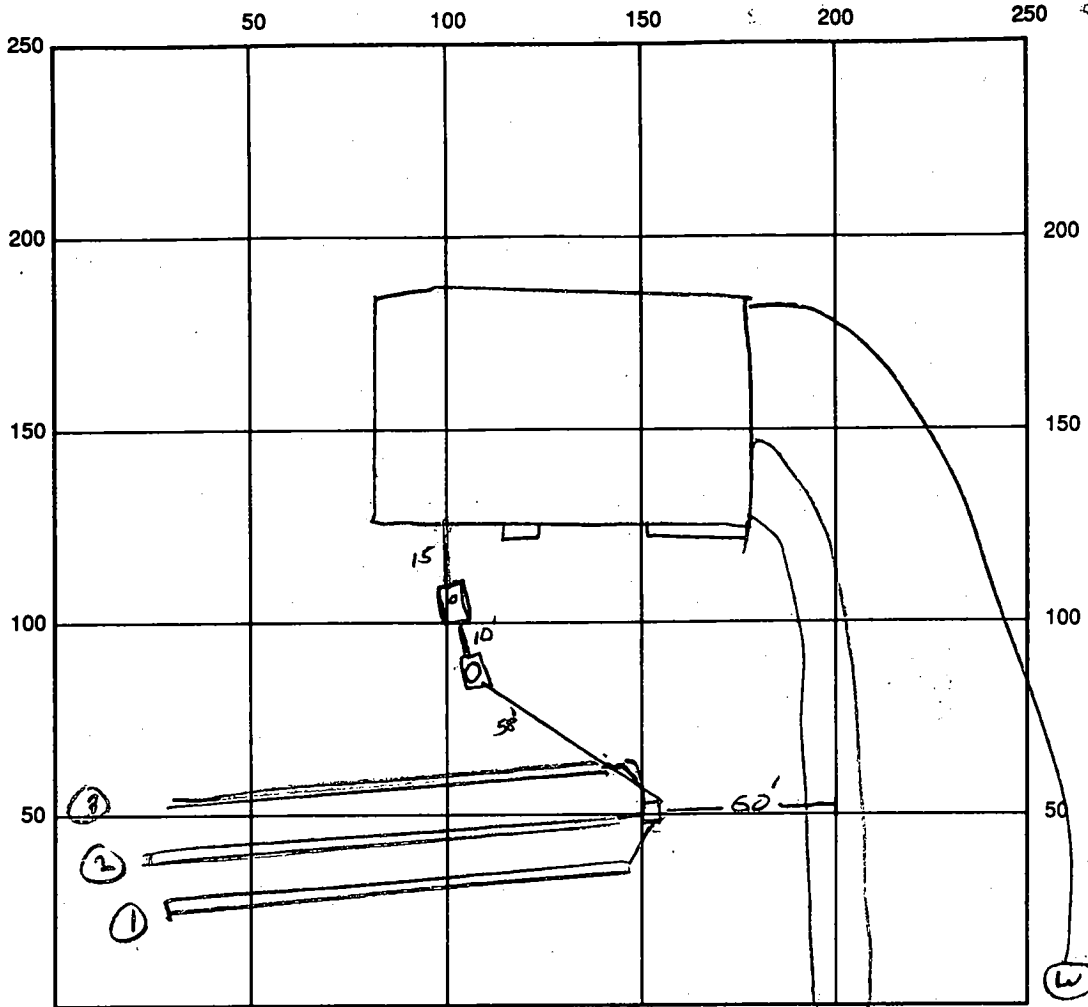
*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

BUILDING PERMIT SIGNED

AND RETURNED

4705 800/53004-DECK

P 57267A
A 49337B



9/13/96
 WPI OK
 HD. 94-0077
 [Signature]

SEPTIC TANK LEVEL OK 1250 CLEANOUTS 1 on Tank 6' MANHOLE RISER ON PUMP CHAMBER

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TITLE DEPTH 4 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 11210 FT. ~~83184179~~

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 9/13/96 OK TO COVER WORK - PUMP OPERATION

REQUIRED FOR FINAL [Signature]

NOTE: DIST. BOX IS IN LINE WITH FRONT DOOR, VELL LINE WAS COVERED AT HOUSE - pump OK - R/P 10/25/96

DATE SYSTEM APPROVED 10/25/96 INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 49337B
~~777777~~

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT Fifth
DATE JUNE 8, 1993

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER OTHA D. UPCHURCH Selfridge Builders, Inc.

ADDRESS 457 Old Orchard Circle PHONE _____

AGENT OR PROSPECTIVE BUYER SAME AS OWNER

ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION UPCHURCH PROPERTY Fullon Road Lot 4 (4) LOT NO. 6 open space

ROAD AND DESCRIPTION 12276 Hall Shop Road 12312 Pleasant View Drive
HIGHLAND MARYLAND

TAX MAP 40 PARCEL # 1646205

SIZE OF LOT 45,000^{sq} TYPE BLDG. SINGLE FAMILY DWELLING - 4 Brms
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED
AND RETURNED 6-13-96
Serial # B00100545

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. [Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

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

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

THIS IS NOT A PERMIT

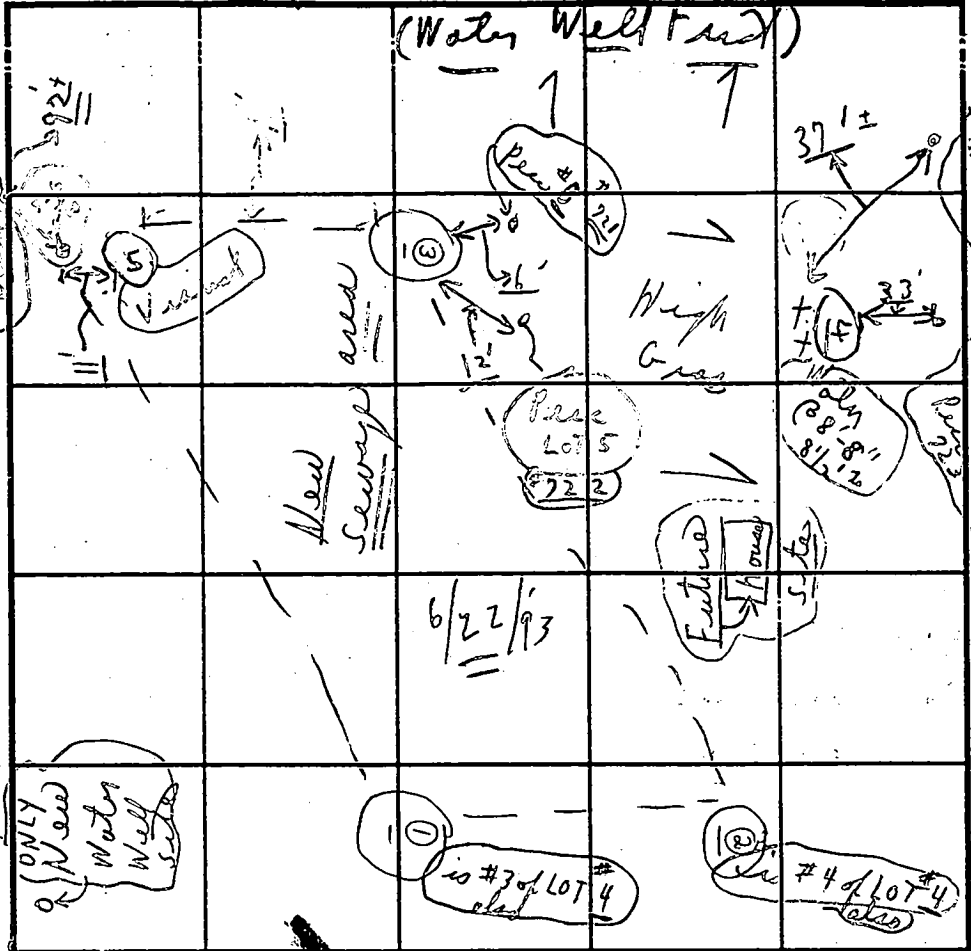
(Hold FOR WET SEASON 12/30) - wet season OK 3/8/94

COUNTY #
LOT #5
SOIL PROFILE
Holes ①

0' to 3' Clay
3' to Loam
Dry 12'

Hole ②
0' to 3' clay
3' to LOAM
Dry 12'-9"

Hole ③
0' to 4' clay
4' to LOAM
Wet 12'
12 1/2'



SOIL PROFILE
Holes ④
0' - 5' ± Clay
Loam 5' to 8 1/2'
Water @ 8 1/2'
Reject unless wet season check

⑤ (Visual near) loam
0' to 4' clay
4' to 13'-10" LOAM

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET START | PRE-WET STOP | TEST - 1" DROP START | TEST - 1" DROP STOP | TIME |
|-----------------|--------------|---------------------------|------------------|--------------------|----------------------|---------------------|----------------------------------|
| 6/22/93 | ① ✓ | | | | | | ok |
| Tuesday | #725 | Hole 1 (5 # ③) of LOT # 4 | 0' - | | | | See LOT 4 |
| | ② ✓ | | | | | | ok |
| | #724 | Hole 1 (Sec ④) of LOT # 4 | 0' - | | | | |
| | ③ ✓ | 4" | 10:42 | 10:44 | 10:44 | 10:46 | ok 2 min |
| | Peric #5 722 | 12 1/2' | 0' - 4' clay | 4' to 12 1/2' Loam | Water @ 12 1/2' | | 11:20 P.M. |
| Reject | ④ | | | | | | Hold for wet season or Distiller |
| Till Wet season | #723 | Water | 0' - 5' clay one | 5' - 8" Loam | 8 1/2" to 8" Water | | XX |
| | ⑤ ✓ | Visual | 0' to 4' clay | | | | ok |
| | (near loam) | 13' - 10" | 0' to 4' Loam | | below clay | | Clay |

REMARKS: Tests in open 0; tests per stakes
TYPE OF SOIL: Loam below clay
TESTED BY: C.R.D. ALSO PRESENT: { O Ketterman, Helges + C. Gans }
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: 2 min TRENCH WIDTH: 3'
INLET DEPTH: 3' MAXIMUM BOTTOM DEPTH: 5' SQ. FT./BEDROOM: 180

(Pump system only) (1 Location for water well)

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

*Retest
not season only*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Upchurch Property LOT NO. ~~old #5~~ New lot #4

ROAD AND DESCRIPTION _____

TAX MAP 40 PARCEL # 164 + 205

SIZE OF LOT _____ TYPE BLDG. _____
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

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

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

THIS IS NOT A PERMIT

New Lot #4

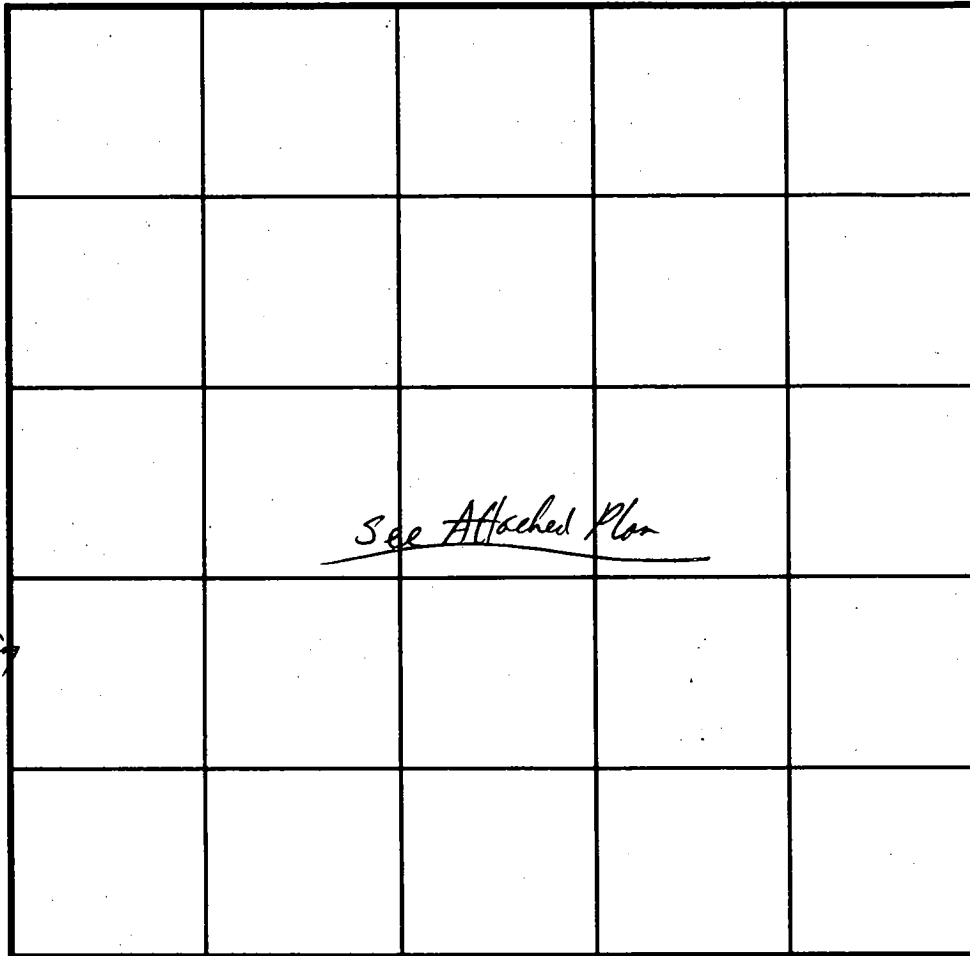
COUNTY #

SOIL PROFILE

0' Red hl-cl. Micaceous Moist
 3/8" Mid Brn moist
 Mic. Coar. v. Moist
 wet
 9' Brn Mic. Loam
 9 1/2' Fine grey silt
 10' Lt grey/white
 13' mic. SL
 10' 13' *Coar.*

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|--------|-----------------|-------|-----------------------|---------------------------|----------------|------|---------------------------------|
| | | | START | STOP | START | STOP | |
| 5/9/94 | old #3 reopened | V13' | water seeps @ 10 1/2' | no filter wet soil to 9ft | | | OK for Lower most Bound of PSDA |
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REMARKS Shallow System only - Seasonally high water Table

TYPE OF SOIL _____

TESTED BY RJ Puhly ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 min TRENCH WIDTH 3

INLET DEPTH 2 1/2 MAXIMUM BOTTOM DEPTH 4 1/2 SQ. FT./BEDROOM 180

C 1 **5156** 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 **A 49337 A**

ST/CO USE ONLY. DATE RECEIVED

DATE WELL COMPLETED **05/29/94**

Depth of Well **295** (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" **MA-99-0079**

OWNER **Richard J. Miller - Contractor** last name **Miller** first name **Richard** TOWN **Highland**
 STREET OR RFD **Mill Shoar Rd** SUBDIVISION **Wachowick Parkway** SECTION _____ LOT **4**

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 | |
| Top Soil | 0 | 2 | |
| Sandy | 2 | 35 | ✓ |
| Sand Stone | 35 | 40 | |
| MICKA | 40 | 60 | |
| Sand Stone | 60 | 65 | ✓ |
| MICKA | 65 | 245 | |

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **10** NO. OF POUNDS **1000**
 GALLONS OF WATER **60**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **304** 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 **PL** Nominal diameter top (main) casing (nearest inch) **4** Total depth of main casing (nearest foot) **48**
PL **4** **48**

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.)
 EACH SCREEN **HO** **46** **295**
 SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)
 from _____ to _____

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. **116**
Richard Miller

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

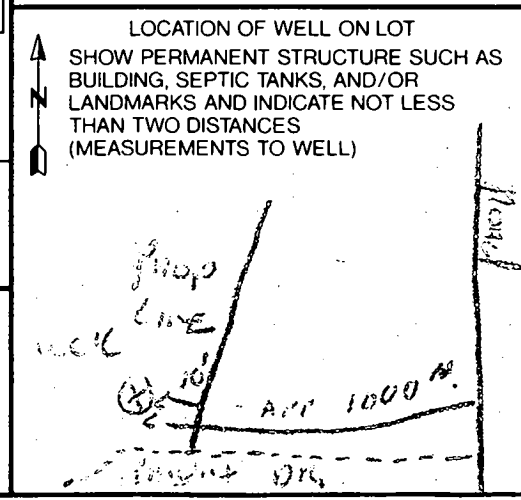
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

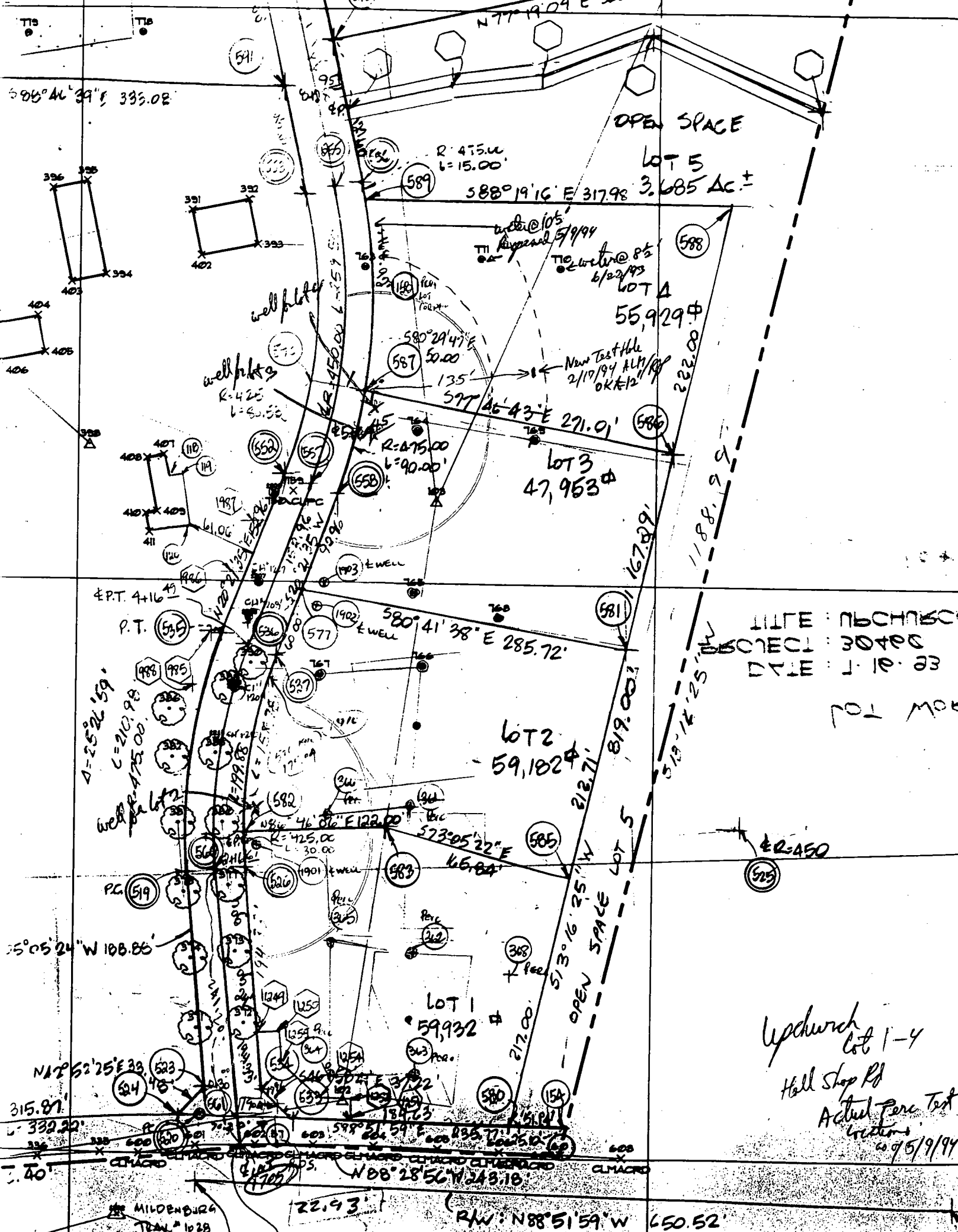
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

C 3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **6**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **21**
 WHEN PUMPING **55**
 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
 below } **2** (nearest foot)





506°41'39"E 335.02'

N77°19'09"E 362.52'

OPEN SPACE

LOT 5
3,685 Ac.±

R=475.00
L=15.00'

588°19'16"E 317.98'

LOT 4
55,929 sq ft

New Test Hble
2/19/94 ALM/PP
OK#12

LOT 3
47,953 sq ft

TITLE: PLANCHET
PROJECT: 30490
DATE: 1-18-83

LOT 2
59,182 sq ft

LOT 1
59,932 sq ft

Upchurch
Lot 1-4
Hall Shop Rd
Actual Perc Test
Locations
6/9/94

55°05'24"W 108.86'

N12°52'25"E 335.81'

332.22'

3.40'

MILDENBURG
TRAV. # 1028

22.93'

RW: N88°51'59"W 650.52'

N88°28'56"W 243.18'

573°05'22"E 46.84'

580°41'38"E 285.72'

167.89'

118.99'

819.00'

513°16'25"W 212.71'

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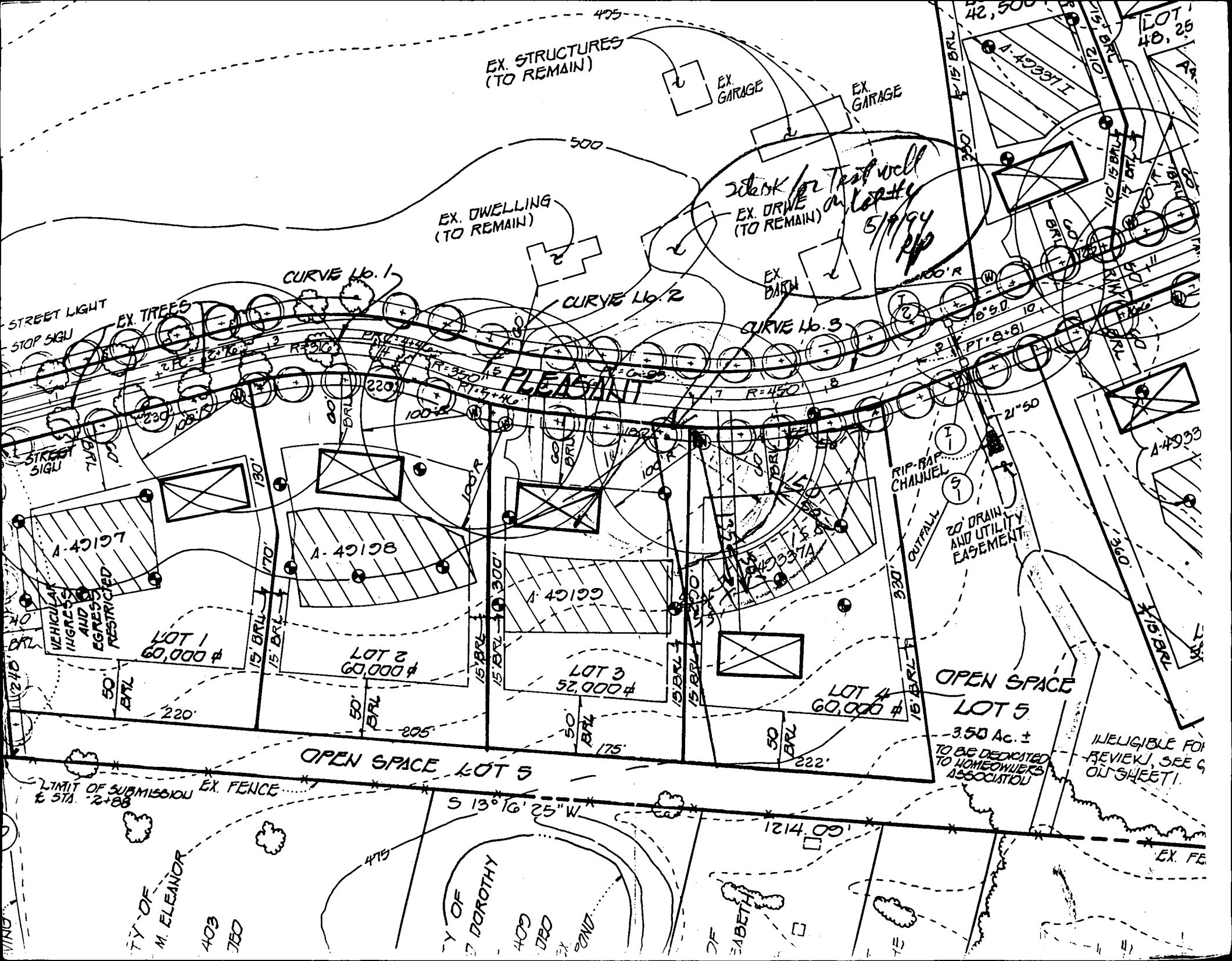
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EX. STRUCTURES (TO REMAIN)

EX. GARAGE

EX. GARAGE

EX. DWELLING (TO REMAIN)

Check for Test well on Lot 4
EX. DRIVE (TO REMAIN)
5/1/94
RP

CURVE No. 1

CURVE No. 2

CURVE No. 3

PLEASANT

STREET LIGHT STOP SIGN

STREET SIGN

VEHICULAR INGRESS AND EGRESS RESTRICTED

RIP-RAP CHANNEL

20' DRAIN AND UTILITY EASEMENT

OPEN SPACE

LOT 5

3.50 Ac. ±
TO BE DEDICATED TO HOMEOWNERS ASSOCIATION

INELIGIBLE FOR REVIEW, SEE G. ON SHEET 1

LIMIT OF SUBMISSION E 57A 2+88

EX. FENCE

S 13° 16' 25" W

1214.09'

TOWN OF M. ELEANOR

TOWN OF DOROTHY

TOWN OF EABETH

EX. FE

A-49197

A-49198

A-49199

A-49337A

A-4933

LOT 25
40,25

42,500

500

475

LOT 1
60,000 #

LOT 2
60,000 #

LOT 3
52,000 #

LOT 4
60,000 #

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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: *[Signature]* DATE: 6/10/96

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: *[Signature]* DATE: 6/10/96

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

Signature of District: *[Signature]* DATE: 6/11/96

Signature of District: *[Signature]* DATE: 6/11/96

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 (03-10-95).
- 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 THERE TO.
- 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 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), 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.
- 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 | 1.94 ACRES |
| AREA DISTURBED | 0.33 ACRES |
| AREA TO BE ROOFED OR PAVED | 0.11 ACRES |
| AREA TO BE VEGETATIVELY STABILIZED | 0.22 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 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.

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 15 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 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 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 (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 DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-0 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 0.15 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 15 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 SOD; OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

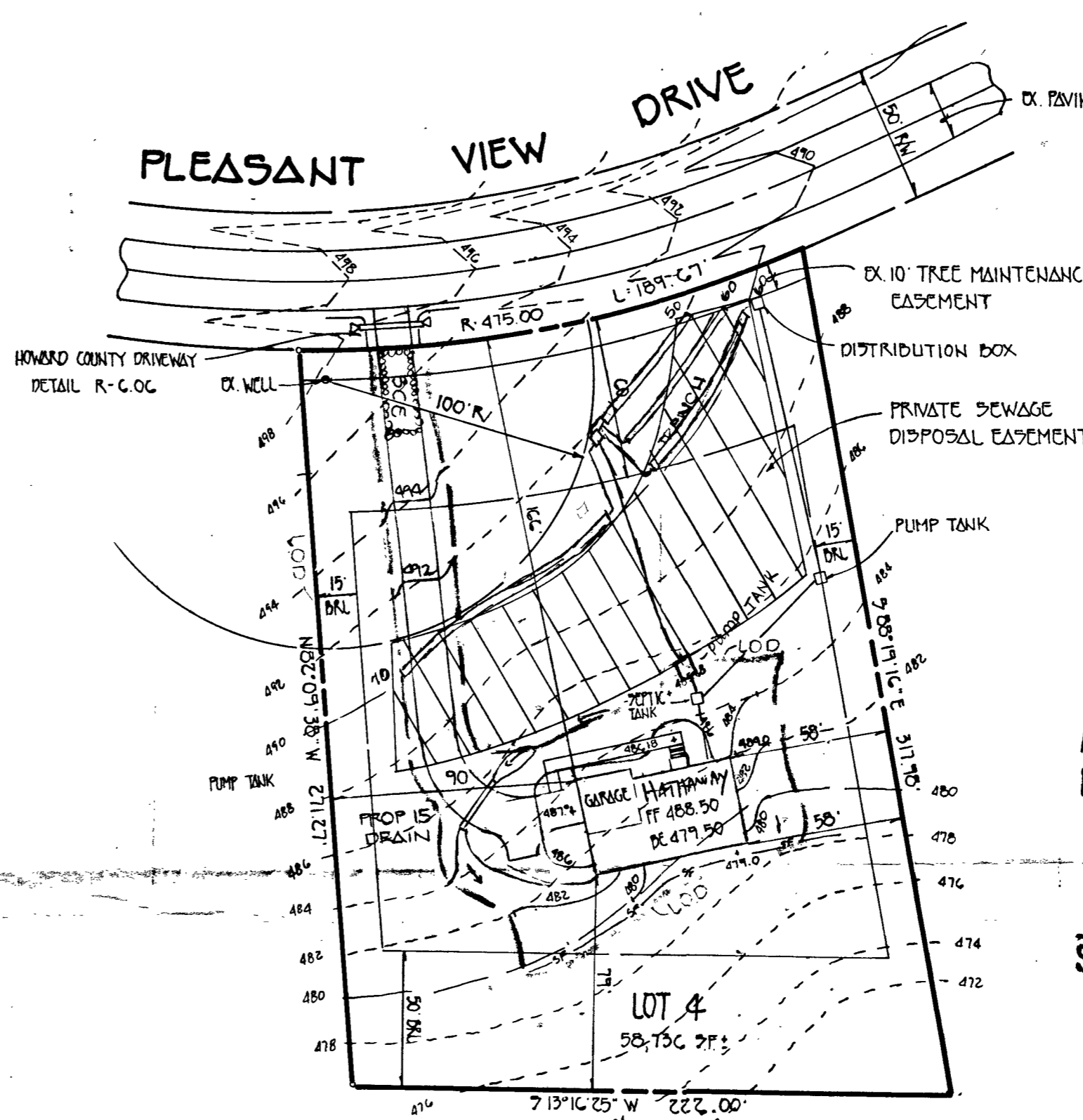
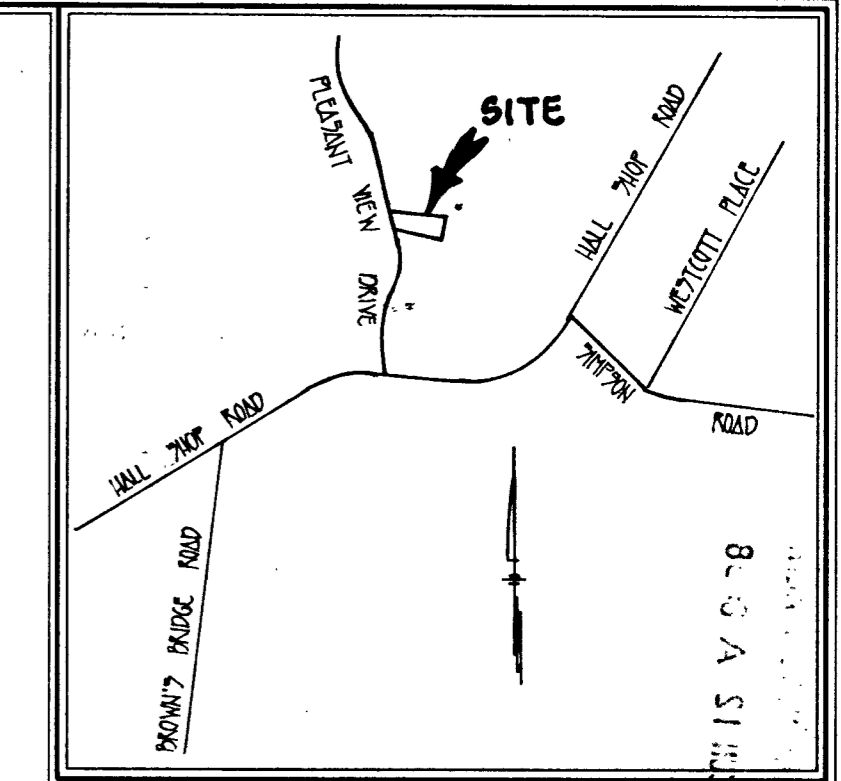
MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (90 TO 180 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN 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 (6 GAL./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE

INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

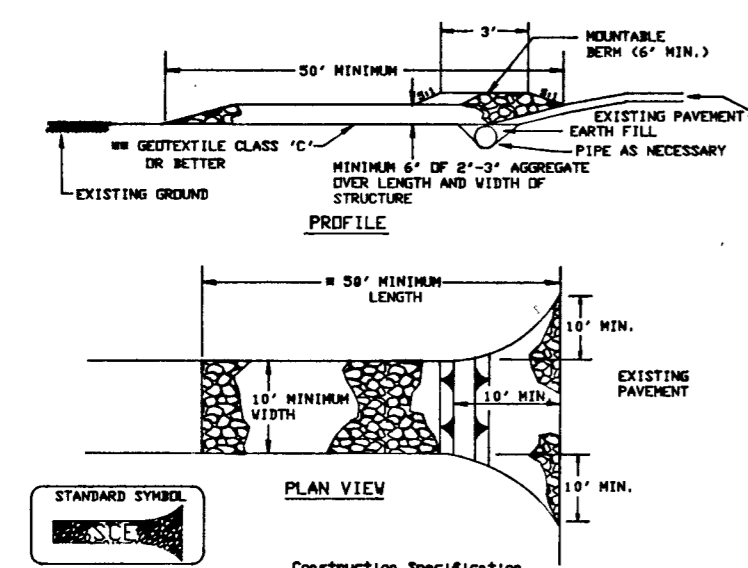
* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWN VETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



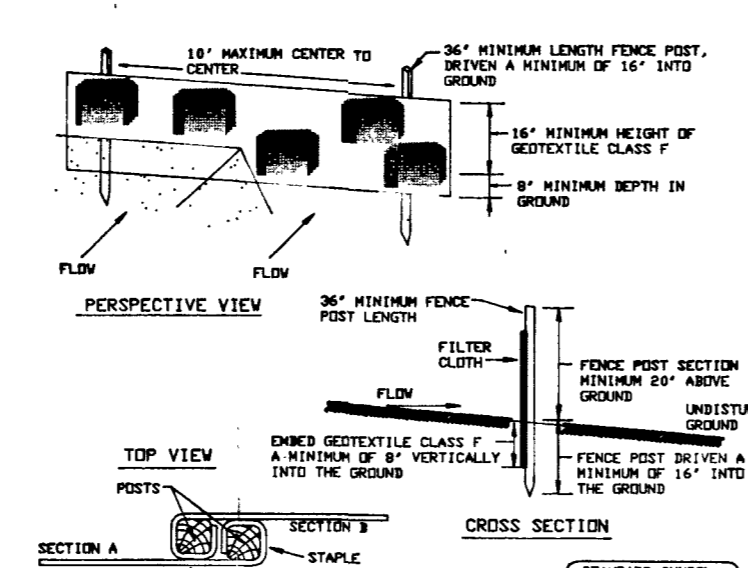
- GENERAL NOTES**
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
 - PROPOSED 1500 GALLON SEPTIC TANK.
 - A. FIRST FLOOR ELEVATION: 488.50
B. BASEMENT ELEVATION: 479.50
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 483.0
D. INVERT IN AT SEPTIC TANK: 482.66
E. INVERT OUT AT SEPTIC TANK: 485.56
F. PROPOSED GRADE OVER SEPTIC TANK: 485.48
G. INVERT AT DISTRIBUTION BOX: 486.56
H. EXISTING GROUND OVER DISTRIBUTION BOX: 490.0
 - 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.

Approved Septic System Plan
Howard County Health Department

Signature: *[Signature]* DATE: 6/13/96

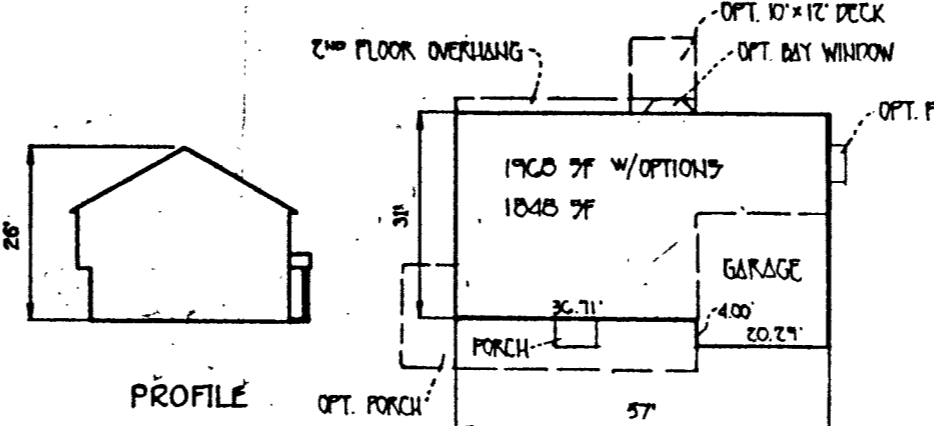


- STABILIZED CONSTRUCTION ENTRANCE - 2**
NOT TO SCALE
- Length - minimum of 50' (400' for single residence lot).
 - Width - 10' minimum, should be flared at the existing road to provide a turning radius.
 - Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. Written plan approval authority may not require single family residences to use geotextile.
 - Stone - crushed aggregate (2" to 3") on 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 non-abrasive berm 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.
 - 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.



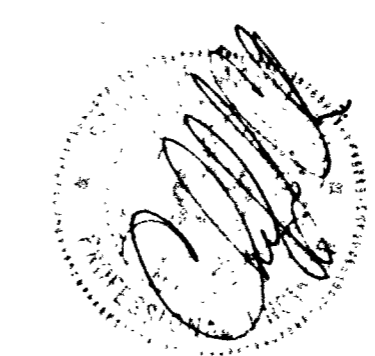
- SILT FENCE**
NOT TO SCALE
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less 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 | 50 lbs/in (min.) | Test: HMT 509 |
| Tensile Modulus | 20 lbs/in (min.) | Test: HMT 509 |
| Flow Rate | 0.3 gal ft ² /minute (max.) | Test: HMT 322 |
| Filtering Efficiency | 75% (min.) | Test: HMT 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.



HATHAWAY III

GP-96-186
PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT
FULTON MANOR
LOT 4
TAX MAP 40 FIFTH ELECTION DIST. SCALE: 1" = 50'
P/O PARCEL 104 AND 205 HOWARD COUNTY, MARYLAND
DATE: MAY 30, 1996



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461-2855

APPROVED
WALK-THRU PERMIT
BP# B00153044 #
APP. SAN AY DATE: 4/7/05
DESC. OF WC Deck

