

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

P 58539

A _____

DISTRICT _____

DATE 6/26/97

DATE SYSTEM APPROVED 8/27/97

INSPECTOR DKS

INDEXED
NO RPS#
found

Olen Ketterman

IS PERMITTED TO INSTALL X ALTER _____

ADDRESS 14960 Route 144 Woodbine, MD 21797 PHONE (410) 442-1336

SUBDIVISION W. Friendship Estates LOT 22 ROAD 3176 River Valley Chase

PROPERTY OWNER Selfridge Builders

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS **TOP SEAMED TANK REQUIRED WITH MANHOLE CLEANOUT****

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 140 feet off the front lot line, and 45 feet off the right (347.67') lot line. Run trenches along contour towards the right lot line.

NOTES - as seen when facing the lot from River Valley Chase.
- No trench to exceed 100 feet in length. Provide 6"-8" diameter cleanout and cap to grade or above on septic tank. OK 6/25/97 DKS

PLANS APPROVED BY Glen Savage DATE 05/19/97

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

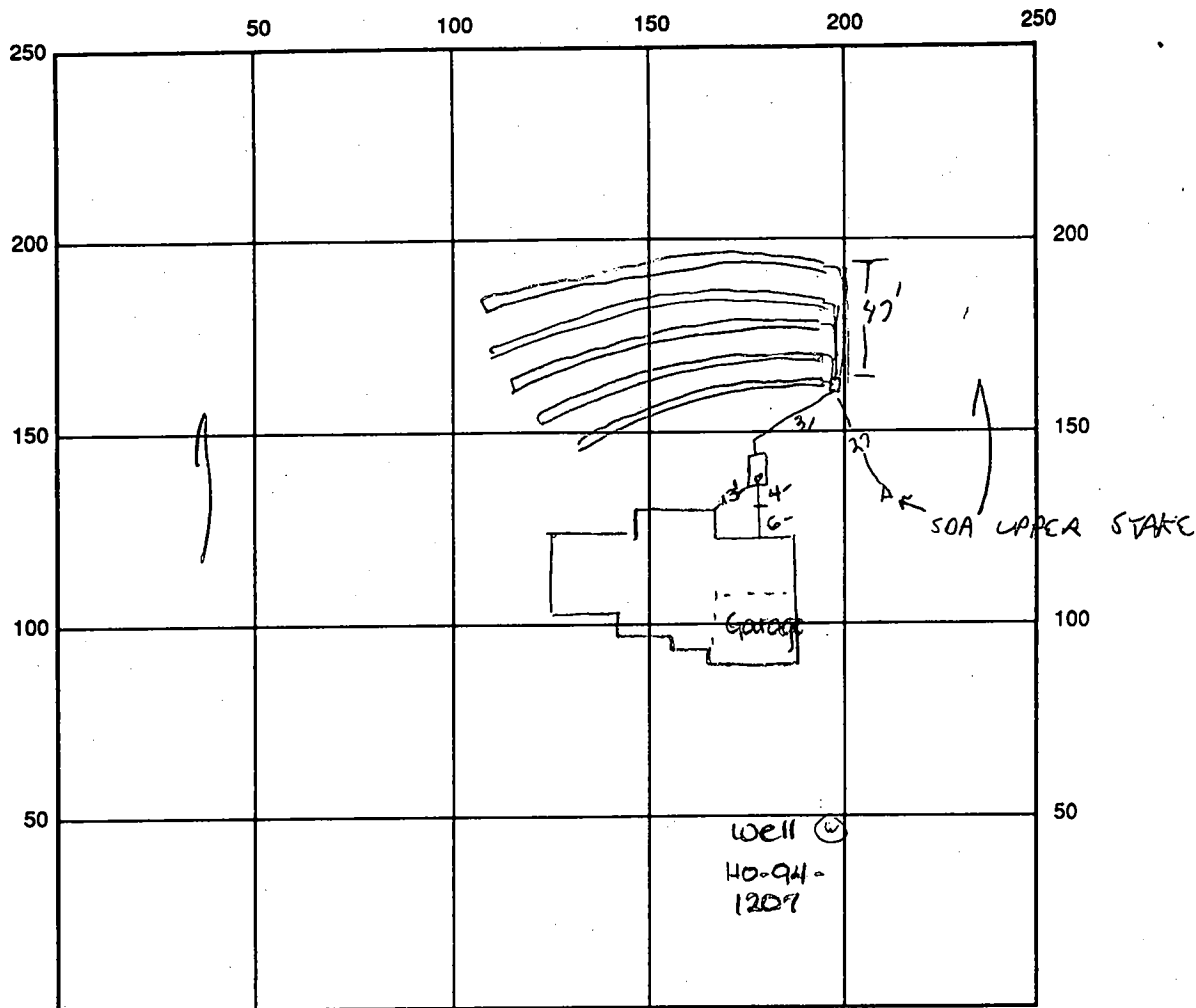
PERMIT VOID AFTER TWO YEARS

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**

P58539



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
RIVER VALLEY CHASE

2
76
68
66
60
55
325

SEPTIC TANK LEVEL OK CLEANOUTS 1 ON TANK

DISTRIBUTION BOX LEVEL OK - BAFLE OK, PIPES CEMENTED

DRAIN FIELD/TITLE DEPTH 5 EST. FT. TRENCH WIDTH 3 FT. INLET DEPTH 3-3.5 FT.

EFFECTIVE GRAVEL DEPTH ±2 FT. TOTAL LENGTH 76/68/66 FT. 60/55 = 325

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 975 SQ. FT.

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

ABSORBENT AREA ✓ SQ. FT.

REMARKS: 7/3/97 S.T. IS 10' OFF PROPOSED HOUSE OFFSET. PORTION
OF SDA THAT IS UNUSABLE IS EQUIVALENT TO THAT SHOWN
ON PLAN. HOUSE CONNECTION REQUIRED FOR FINAL. 8/27/97
HOUSE CONNECTION MADE. FINAL-OK TO COVER. DKS
8/27/97 well line, P.A. not installed. DKS 8/28/97 WRI OK
TO COVER, ASSAS 2PIECE SEALED CAP, IN GROUND WIRE. H

DATE SYSTEM APPROVED 8/27/97 INSPECTOR DOMICK JR

APPLICATION

PERCOLATION TESTING

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

DISTRICT _____

DATE 6/13/91

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

PERCONTEE, INC., Selfridge Builders

ADDRESS

11900 TECH RD, SILVER SPRING
MD. 20904

PHONE

JOHN REUWER
740-2100 X291

PROSPECTIVE BUYER

N/A

ADDRESS _____

PHONE _____

PROPERTY LOCATION:

SUBDIVISION

WEST FRIENDSHIP ESTATES

LOT NO

Section III

Now 22

OLD

NEW

34?

1/4

ROAD AND DESCRIPTION

WEST IVORY RD. & RT 32, SOUTH OF RT. 70

(3176 River Valley Chase)

BLDG. PERMIT SIGN: 2

2-3-92

Serial # B71053-76

TAX MAP

15

PARCEL #

42

SIZE OF LOT

3.00 AC. +/-

TYPE BLDG

SFD - 4Bm

(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)

FOR PERCONTEE, INC.

APPROVED BY

John C. Reuer

FOR

DATE

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

DATE

REASONS FOR REJECTION OR HOLDING

THIS IS NOT A PERMIT

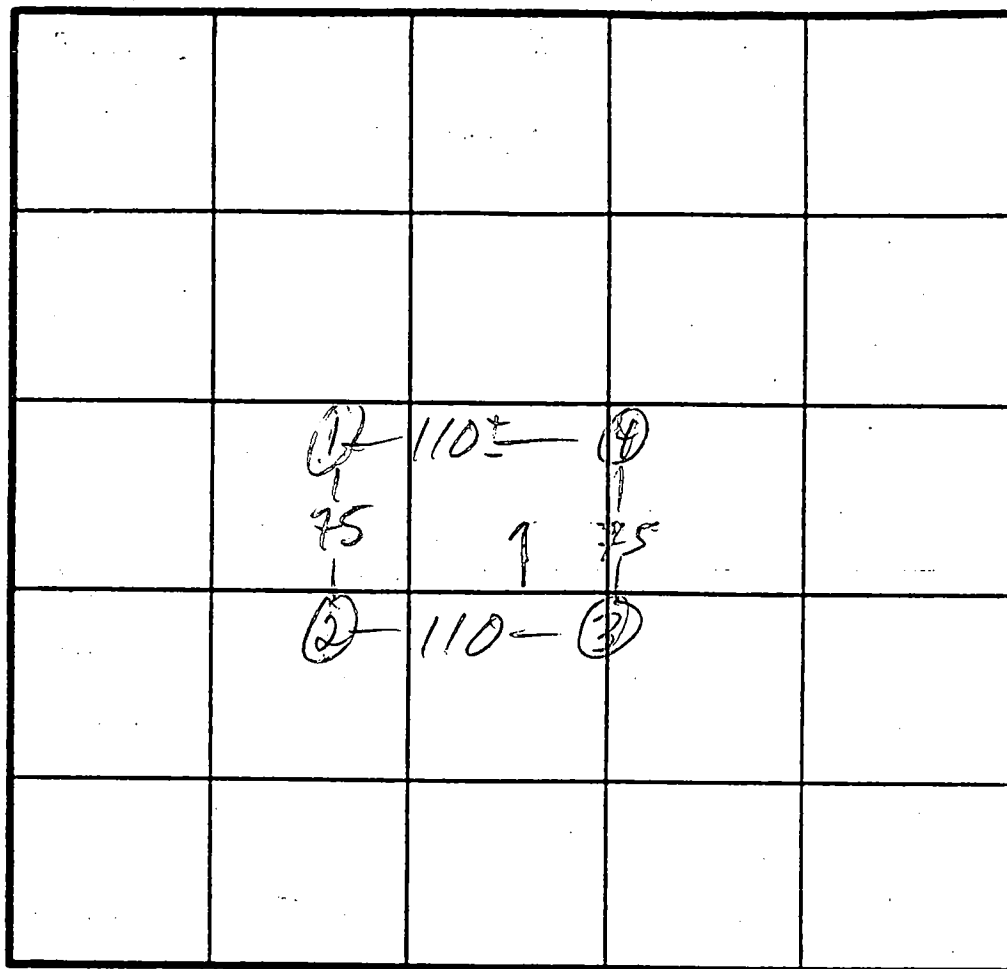
Lot 114 OLD 347

① ②
SOIL PROFILE

3-4
org red
clay 1m
10% frags
scattered

org red
sa 1m
scattered
10% blocky
RT platy
shale
frags

9 1/2-12



$\bar{X} = 15$
240 $\frac{1}{2}$ BR
Inlet $3\frac{1}{2}$
Bottom 5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
	1 S	4	2:58:30	3:00:30	3:00:30	3:15	14 1/2
	1 V	11	see profile				
	2 V	12	sim to ①		10% frags		
	3 S	4 1/2	3:25	3:36	3:36	3:58	24
	3 M	8 1/2	3:21:30	3:31:30	3:31:30	3:48	16 1/2
	3 V	10 1/2	sim to ①		15% frags		
	4 S	4	3:27	3:37	3:37	3:47	10
	4 V	9 1/2	sim to ①		frags ↑ depth to		48%

REMARKS SHALLOW SYSTEM ONLY

TYPE OF SOIL

TESTED BY

M. Rifkin

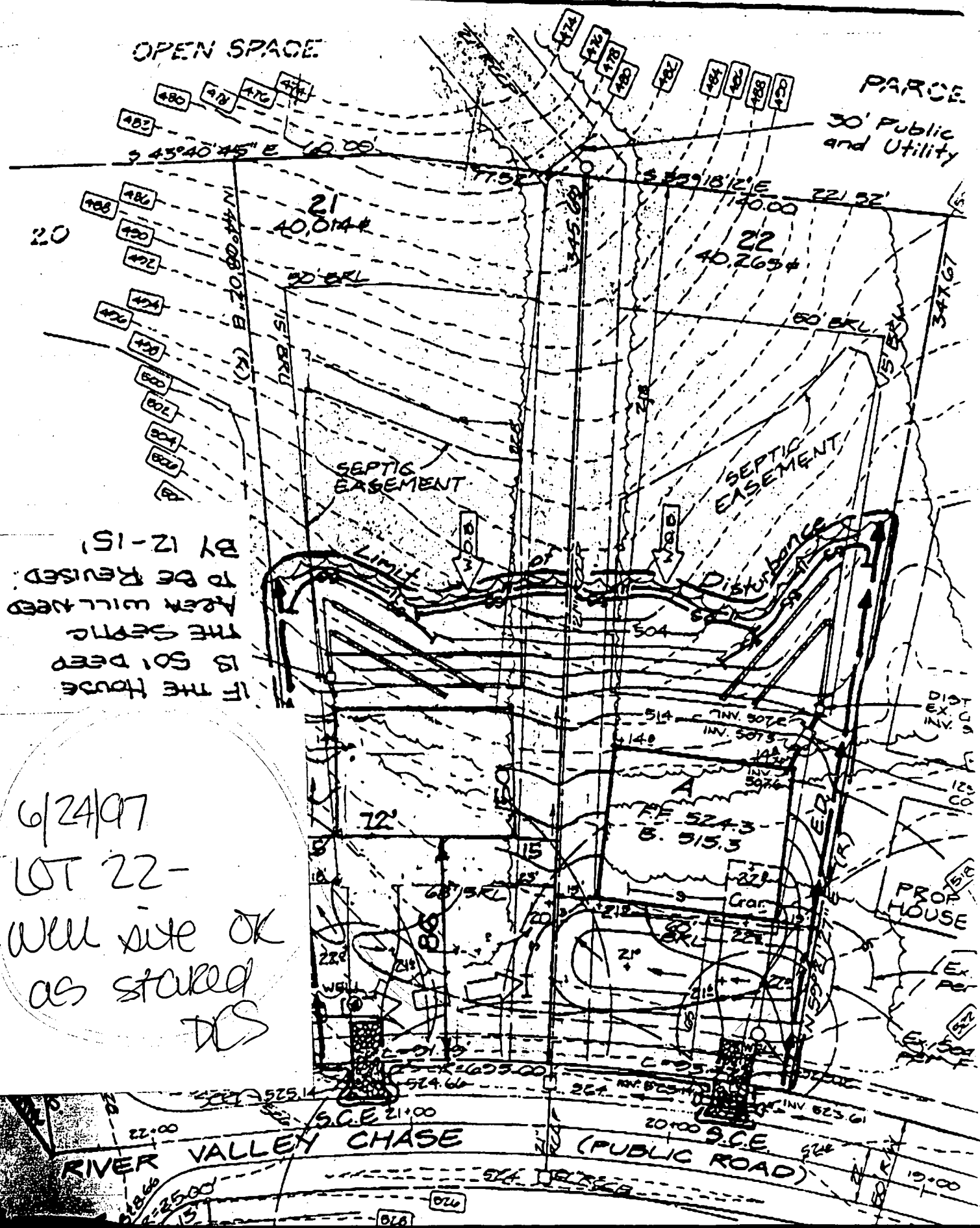
ALSO PRESENT

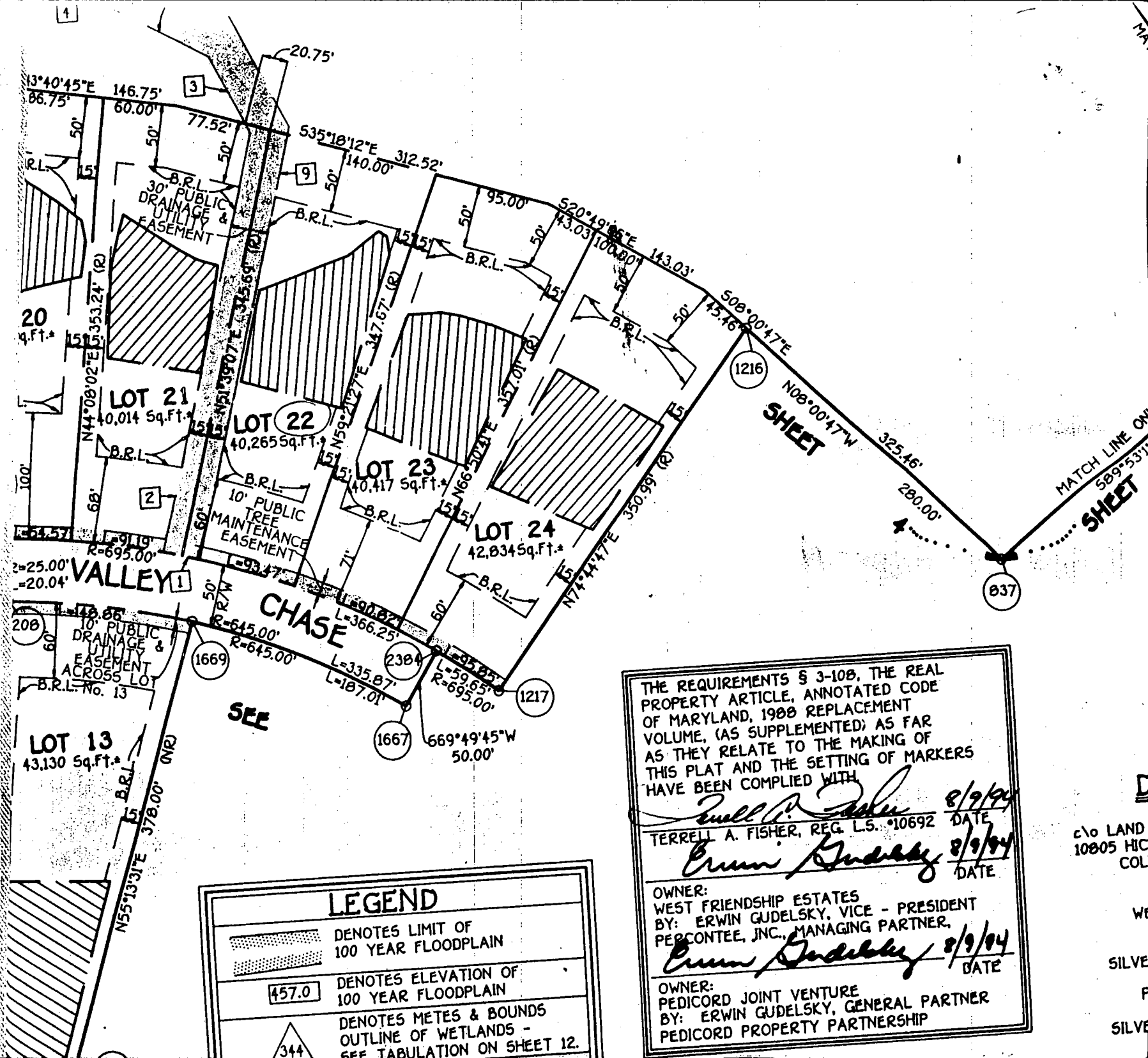
OK

W58500

B 1	8273	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">HO-94-1207</div> <small>fill in this form completely</small>
<small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>				
OWNER INFORMATION Date Received (APA) <div style="border: 1px solid black; padding: 2px;">060597</div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;">SECKERIDGE</div> <div style="border: 1px solid black; padding: 2px;">BUILDEERS</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;">14045</div> <div style="border: 1px solid black; padding: 2px;">GAREO</div> <div style="border: 1px solid black; padding: 2px;">DR</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;">GLENWOOD</div> <div style="border: 1px solid black; padding: 2px;">MD21238</div> </div>			LOCATION OF WELL <div style="border: 1px solid black; padding: 2px; display: inline-block;">HOWARD</div> <small>8 COUNTY</small> <div style="border: 1px solid black; padding: 2px; display: inline-block;">WESTFRIENDSHIP EST.</div> <small>23 SUBDIVISION</small> SECTION <div style="border: 1px solid black; padding: 2px;">1</div> LOT <div style="border: 1px solid black; padding: 2px;">22</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">WESTFRIENDSHIP</div> <small>52 NEAREST TOWN</small> MILES FROM TOWN (enter 0 if in town) <div style="border: 1px solid black; padding: 2px;">1</div> MI <small>73 76 77 78</small>	
DRILLER INFORMATION Driller's Name <u>Ralph MAYNE</u> Firm Name <u>Ralph Mayne (well drilling)</u> Address <u>9120 Brown Church Rd Mt Airy</u> <u>Hall Mayne 6/5/97</u> <small>Signature Date</small>			NEAR WHAT ROAD <div style="border: 1px solid black; padding: 2px; display: inline-block;">River Valley Chase</div> <small>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)</small> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin: 2px;">N</div> <div style="border: 1px solid black; padding: 2px; margin: 2px;">W</div> <div style="border: 1px solid black; padding: 2px; margin: 2px;">E</div> <div style="border: 1px solid black; padding: 2px; margin: 2px;">S</div> </div> DISTANCE FROM ROAD <div style="border: 1px solid black; padding: 2px;">25</div> <small>ENTER FT OR MI</small> <div style="border: 1px solid black; padding: 2px;">FT</div>	
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <div style="border: 1px solid black; padding: 2px;">5</div> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <div style="border: 1px solid black; padding: 2px;">500</div>			NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <u>Howard</u> <small>COUNTY NAME</small> DATE ISSUED <div style="border: 1px solid black; padding: 2px;">062497</div> <u>6/23/98</u> <small>DATE</small> NORTH GRID <div style="border: 1px solid black; padding: 2px;">529000</div> EAST GRID <div style="border: 1px solid black; padding: 2px;">0805000</div>	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)			SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">8005</div> <div style="border: 1px solid black; padding: 2px;">5209</div> </div>	
APPROXIMATE DEPTH OF WELL <div style="border: 1px solid black; padding: 2px;">150</div> FEET APPROXIMATE DIAMETER OF WELL <u>6"</u> INCH			6/26/97 9:30 GROUT moved grout 42' casing 30' open hole 10 bags info per driller	
METHOD OF DRILLING (circle one) BORED (or Augered) <input checked="" type="checkbox"/> <u>AIR-ROTARY</u> <input type="checkbox"/> JETTED <input type="checkbox"/> JETTED & DRIVEN AIR-PERCussion <input type="checkbox"/> ROTARY (Hydraulic Rotary) <input type="checkbox"/> DRIVE-POINT CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> other			DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION <div style="text-align: center;"> </div>	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) <div style="border: 1px solid black; padding: 2px;">41</div>			Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER <div style="border: 1px solid black; padding: 2px;">GAP</div> FORCE <div style="border: 1px solid black; padding: 2px;">DIS</div> PERMIT No. <div style="border: 1px solid black; padding: 2px;">HO-94-1207</div>	
SPECIAL CONDITIONS <small>NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</small>				

C 1 6071		SEQUENCE NO. (MDE 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.	
1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3, 6 ON ALL CARDS)						COUNTY NUMBER 13	
ST/00 USE ONLY DATE Received MM DD YY 8 13		DATE WELL COMPLETED MM DD YY 06 26 97		Depth of Well 22 205 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1207 28 29 30 31 32 33 34 35 36 37	
OWNER <u>Selfridge Builders</u> STREET OR RFD <u>River Valley Chase</u> TOWN <u>W. Friendship</u> SUBDIVISION <u>W. Friendship Est</u> SECTION <u>3</u> LOT <u>22</u>							
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)			GROUTING RECORD WELL HAS BEEN GROUTED (Circle appropriate box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS <u>45</u> NO. OF POUNDS <u>1500</u> GALLONS OF WATER <u>60</u> DEPTH OF GROUT SEAL (to nearest foot) from <u>8</u> ft. to <u>30</u> ft. (enter 0 if from surface)			C 3 1 2 PUMPING TEST HOURS PUMPED (nearest hour) <u>3</u> PUMPING RATE (gal. per min.) <u>12</u> METHOD USED TO MEASURE PUMPING RATE <u>Bucket</u> WATER LEVEL (distance from land surface) BEFORE PUMPING <u>34</u> ft. WHEN PUMPING <u>49</u> ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible	
FEET FROM TO Top Soil 0 2 Sandy 2 30 Sand Stone 30 35 ✓ MICKA 35 75 Sand Stone 75 80 ✓ MICKA 80 205			CASING RECORD casing types insert appropriate code below (ST) STEEL (CO) CONCRETE (PL) PLASTIC (OT) OTHER MAIN CASING TYPE <u>St</u> Nominal diameter top (main) casing (nearest inch) <u>6</u> Total depth of main casing (nearest foot) <u>42</u> OTHER CASING (if used) diameter depth (feet) inch from to			PUMP INSTALLED DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above (-) below LAND SURFACE <u>1</u> (nearest foot)	
NUMBER OF UNSUCCESSFUL WELLS: <u>0</u>			C 21 DEPTH (nearest ft.) <u>HO</u> <u>41</u> <u>205</u> E 8 9 11 15 17 21 A 23 24 26 30 32 36 S 38 39 41 45 47 51 C 3 R E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to			SCREEN RECORD screen type or open hole (ST) STEEL (BR) BRASS (HO) OPEN HOLE (PL) PLASTIC (OT) OTHER 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.	
WELL HYDROFRACTURED (Y) (N) 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 LIC. NO. <u>MSD 116</u> <u>Hal E. Mayes</u> DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. <u>MSD 112</u> <u>Hal E. Mayes</u> 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 MDE 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							





F-94-55

LEGEND	
	DENOTES LIMIT OF 100 YEAR FLOODPLAIN
	DENOTES ELEVATION OF 100 YEAR FLOODPLAIN
	DENOTES METES & BOUNDS OUTLINE OF WETLANDS - SEE TABULATION ON SHEET 12.

THE REQUIREMENTS § 3-10B, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME, (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH

Terrell A. Fisher 8/9/94
 TERRELL A. FISHER, REG. L.S. #10692 DATE

Erwin Gudelsky 8/9/94
 OWNER:
 WEST FRIENDSHIP ESTATES
 BY: ERWIN GUDELSKY, VICE - PRESIDENT
 PERCONTEE, INC., MANAGING PARTNER, DATE

Erwin Gudelsky 8/9/94
 OWNER:
 PEDICORD JOINT VENTURE
 BY: ERWIN GUDELSKY, GENERAL PARTNER
 PEDICORD PROPERTY PARTNERSHIP DATE

c/o LAND
 10805 HICKORY
 COL

SILVER

SILVER

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 COUNTY SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER

4/25/97
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 COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

SIGNATURE OF DEVELOPER

4/30/97
DATE

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

Clay Simms
DISTRICT HOWARD COUNTY SOIL CONSERVATION DISTRICT

5/1/97
DATE

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

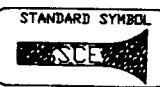
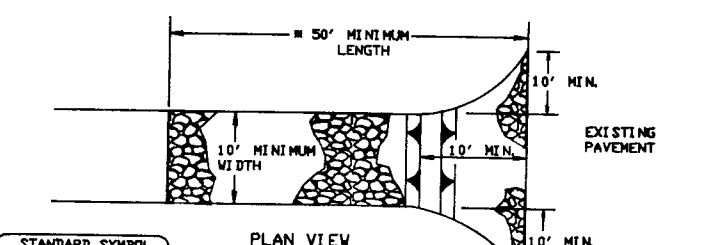
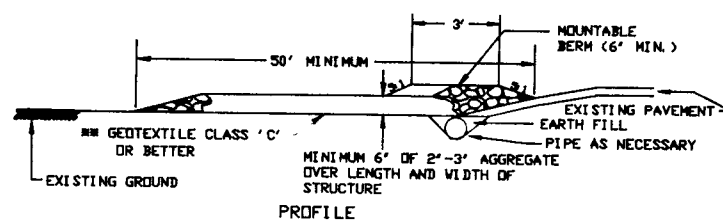
John K. Butcher
DISTRICT HOWARD COUNTY SOIL CONSERVATION DISTRICT

5/1/97
DATE

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, Dikes, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1.
 - 14 DAYS AS TO ALL OTHER DISTURBED 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. 50), 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 PERMITS FOR THEIR REMOVAL HAVE BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE	0.92	ACRES
AREA TO BE ROOFED OR PAVED	0.31	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.61	ACRES
TOTAL CUT	1000	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.



- Length - Minimum of 50' (30' for single residential lots).
- 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. The plan approval authority may not require single-family residences to use geotextile.
- Stone - Crushed aggregate (2" to 3") 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 placed through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable 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 SDE 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. Vertical curves 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

CENTENAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
F.C.C. 61081 (410) 461-2855

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 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 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1988 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. DISC OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE (11.5 LBS./1000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 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 SOD. SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEED.

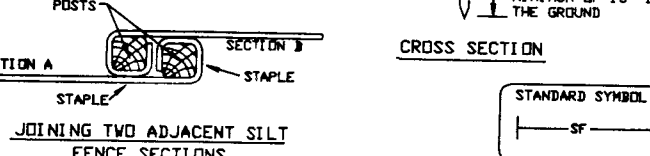
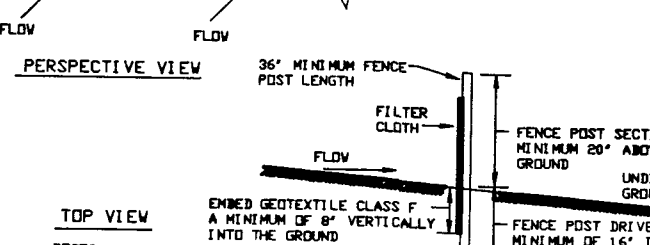
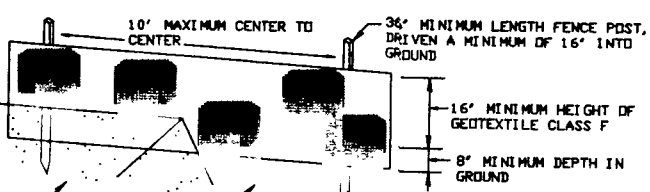
MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL 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 340 GALLONS PER ACRE (8 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.



JOINING TWO ADJACENT SILT FENCE SECTIONS

Construction on Speed Plications

- 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 round quality hardwood. Steel posts will be standard T or U section on weight 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 bottom and shall meet the following requirements for Geotextile Class F:

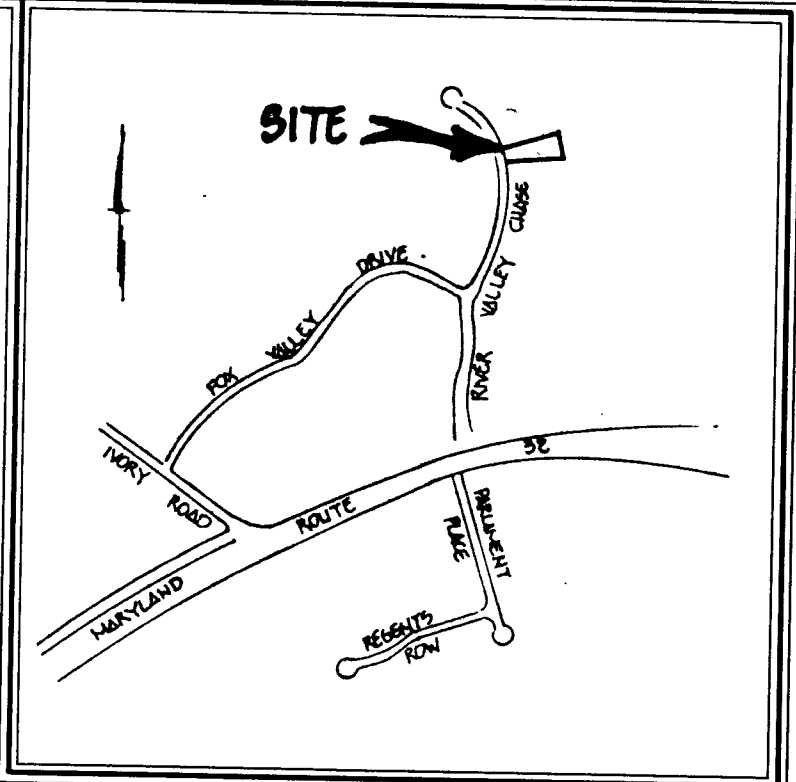
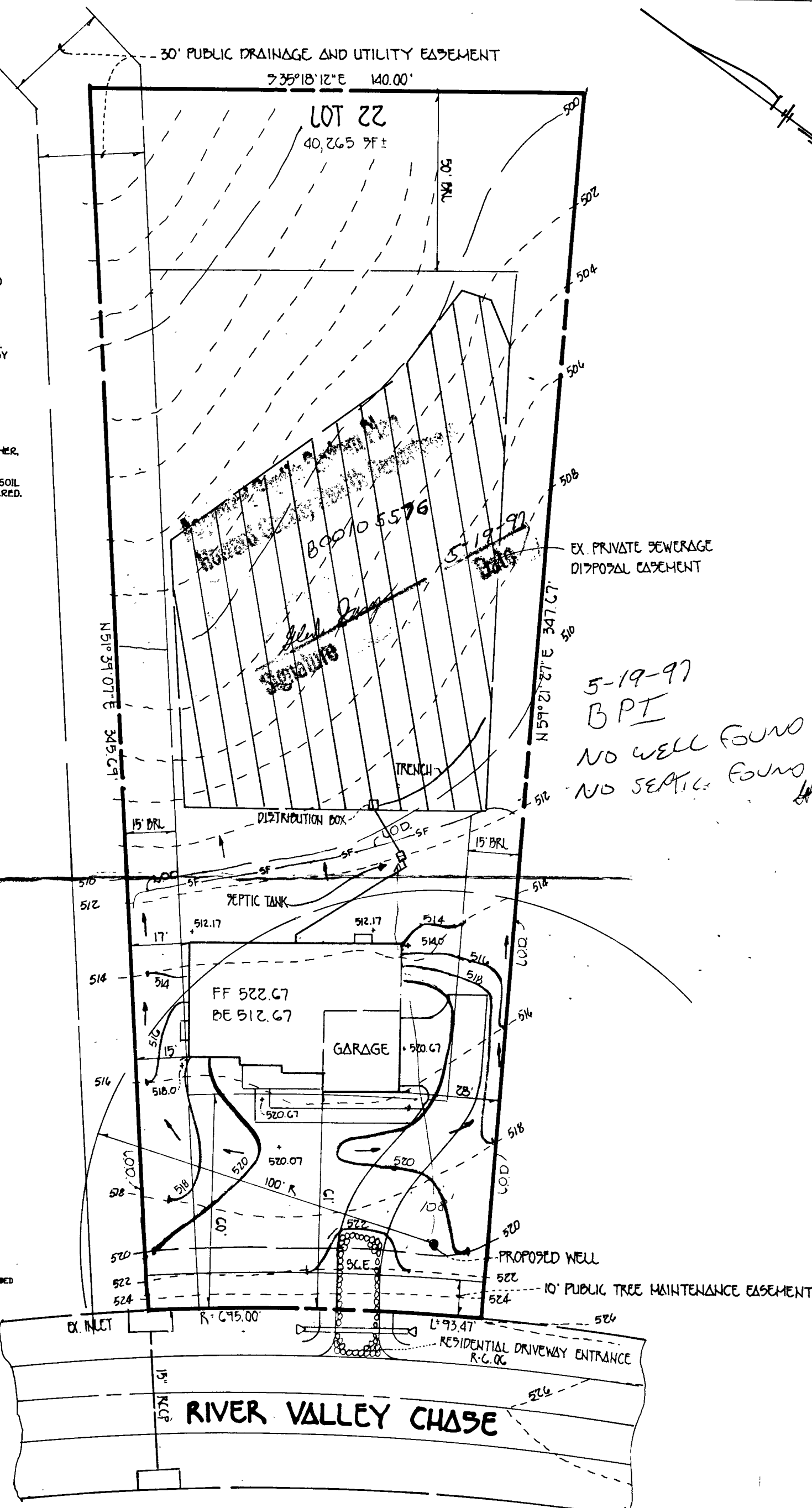
Tensile Strength	50 lbs./in. (min.)	Test: MSMT 309
Tensile Modulus	20 lbs./in. (min.)	Test: MSMT 309
Flow Rate	0.3 gal. ft ² /min. (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 30% of the fabric height.

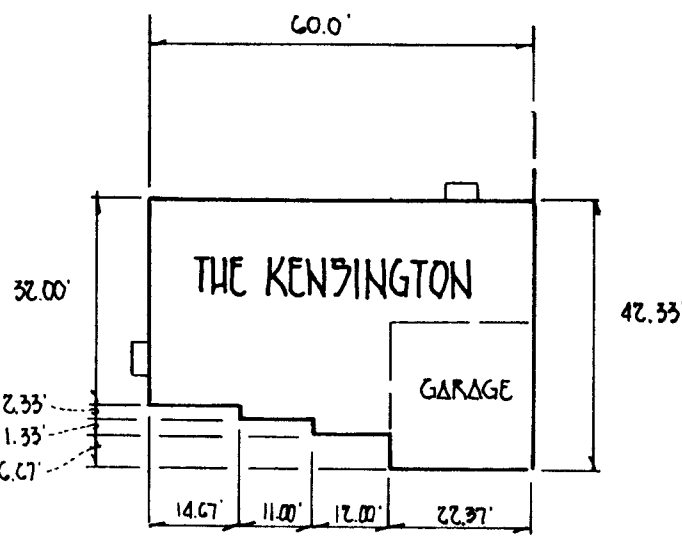
SILT FENCE

NOT TO SCALE



GENERAL NOTES

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO.
- PROPOSED 1500 GALLON SEPTIC TANK.
- A. FIRST FLOOR ELEVATION: 522.67
B. BASEMENT ELEVATION: 512.67
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 508.0
D. INVERT IN AT SEPTIC TANK: 507.4
E. INVERT OUT AT SEPTIC TANK: 507.4
F. PROPOSED GRADE OVER SEPTIC TANK: 512.0
G. INVERT AT DISTRIBUTION BOX: 506.5
H. EXISTING GROUND OVER DISTRIBUTION BOX: 509.5
I. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.



THE WICKWIRE RESIDENCE

G.P.-97-160
PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT
WEST FRIENDSHIP ESTATES
LOT 22
TAX MAP 15
THIRD ELECTION DIST.
SCALE: 1" = 30'
PARCELS 32 and 42
HOWARD COUNTY, MARYLAND
DATE: APRIL 17, 1997

