

LAYOUT 10/15/02 Ham INSP 4 _____
 INSP 2 10/18/02 H-12 INSP 5 _____
 INSP 3 _____ INSP 6 _____

04-344960

ISSUE DATE: 10/7/2002
 APPROVAL DATE: 10/10/02

**PERMIT
INDEXED**

P 517950
 A 36610

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER
 ADDRESS: 580 Obrecht Road PHONE NUMBER: 410-795-5670
 SUBDIVISION: _____ LOT NUMBER: _____
 ADDRESS: 3210 Daisy Road PROPERTY OWNER: Kennth Kardos
 SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED
 PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED
 NUMBER OF BEDROOMS: 5
 SQUARE FEET PER BEDROOM: 210
 LINEAR FEET OF TRENCH REQUIRED: 270 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 2.0 feet wide. Inlet 5.0 feet below original grade. Bottom maximum depth 9.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as shown on the approved site plan. Run 3 - 90' trenches on contour.
NOTES:	

PLANS APPROVED: Steven R. Krieg 9/26/02 OK (RD) DATE: 9/10/2002

NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

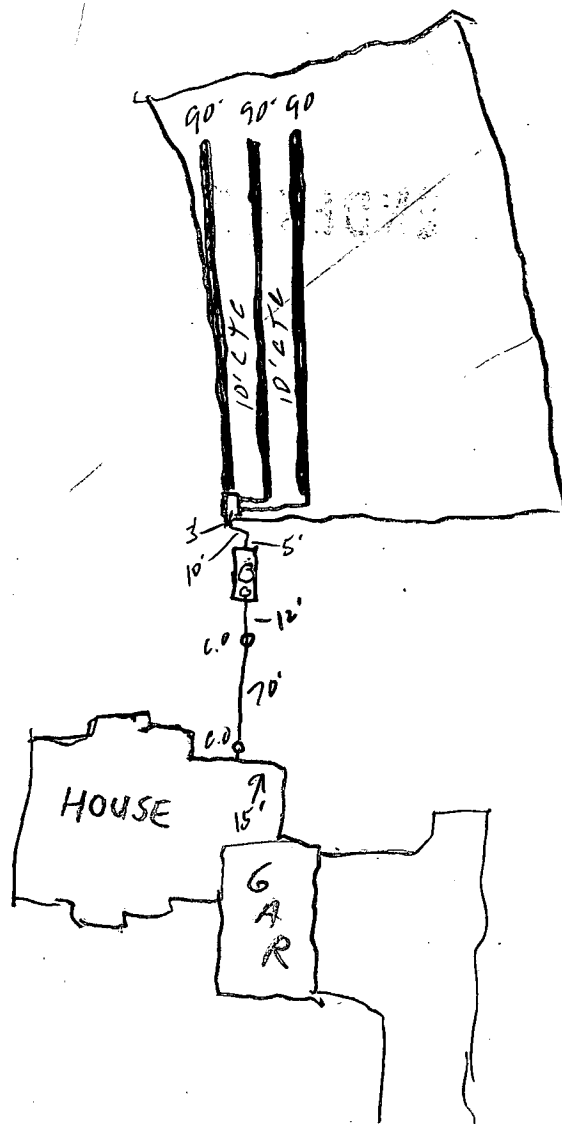
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

**BUILDING PERMIT SIGNED 0-313-2640 FOR INSPECTION OF SEPTIC SYSTEM
 AND RETURNED**

25-03 BOD 139940-06 PROPANE TANK
 0-15-05 BOD 154436-DEUK

A36610

NOT TO SCALE



Well

Daisy Rd 500' ←

ROAD

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	5'	9'
NUMBER OF TRENCHES		3'
TOTAL LENGTH		270'
ABSORPTION AREA		710 sq
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		—

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	✓
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	—
SEPTIC TANK 2 LEVEL	—
CAPACITY	— GAL
SEAM LOC	—
TANK LID DEPTH	—
BAFFLES	—
BAFFLE FILTER	—
MANHOLE LOC	—
6" PORT LOC	—
WATERTIGHT TEST	—

PRE-CONSTRUCTION 10/15/02 lot staked, layout per B.P. (50)

INSTALLATION 10/18/02 OK to cover all work (50)

BUILDING PERMIT SIGNED AND RETURNED

FINAL INSPECTOR

[Signature]

DATE OF APPROVAL

10/18/02

0 PROVIDE
ON WIDTH
FLOW DEPTH

DIKE A	DIKE B
18"	30"
24"	36"
4'	6'
12'	24'

STANDARD SYMBOL
A-2 B-3

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MENT OF ENVIRONMENT
NT ADMINISTRATION

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- 1) Preferred-Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq.ft.)
- 2) Acceptable-Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) use sod. Option (3) seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

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 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 5 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.)

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq.ft.). For the period November 1 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.

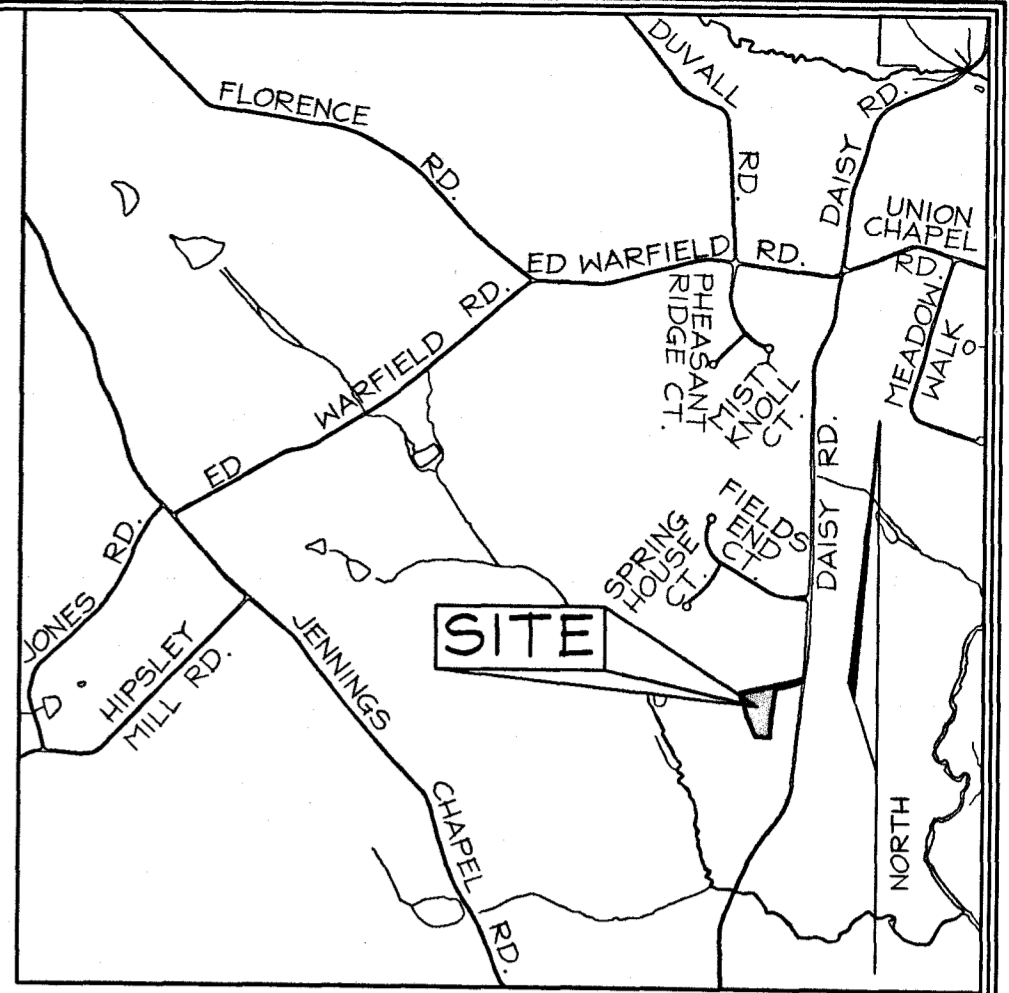
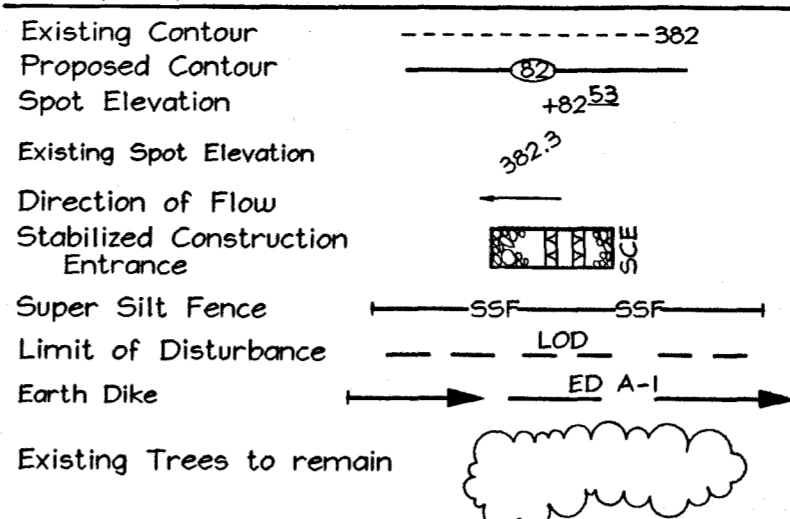
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REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

GENERAL NOTES

1. Reference: Plat #6886
2. Topography is flown by PAS in July 2002, survey in two (2) foot increments.
3. Contractor to confirm all dimension, utilities and topography in the field. If any conflicts arise, contact Engineer before beginning any work.
4. Total area of property = 3.171 Ac.

LEGEND

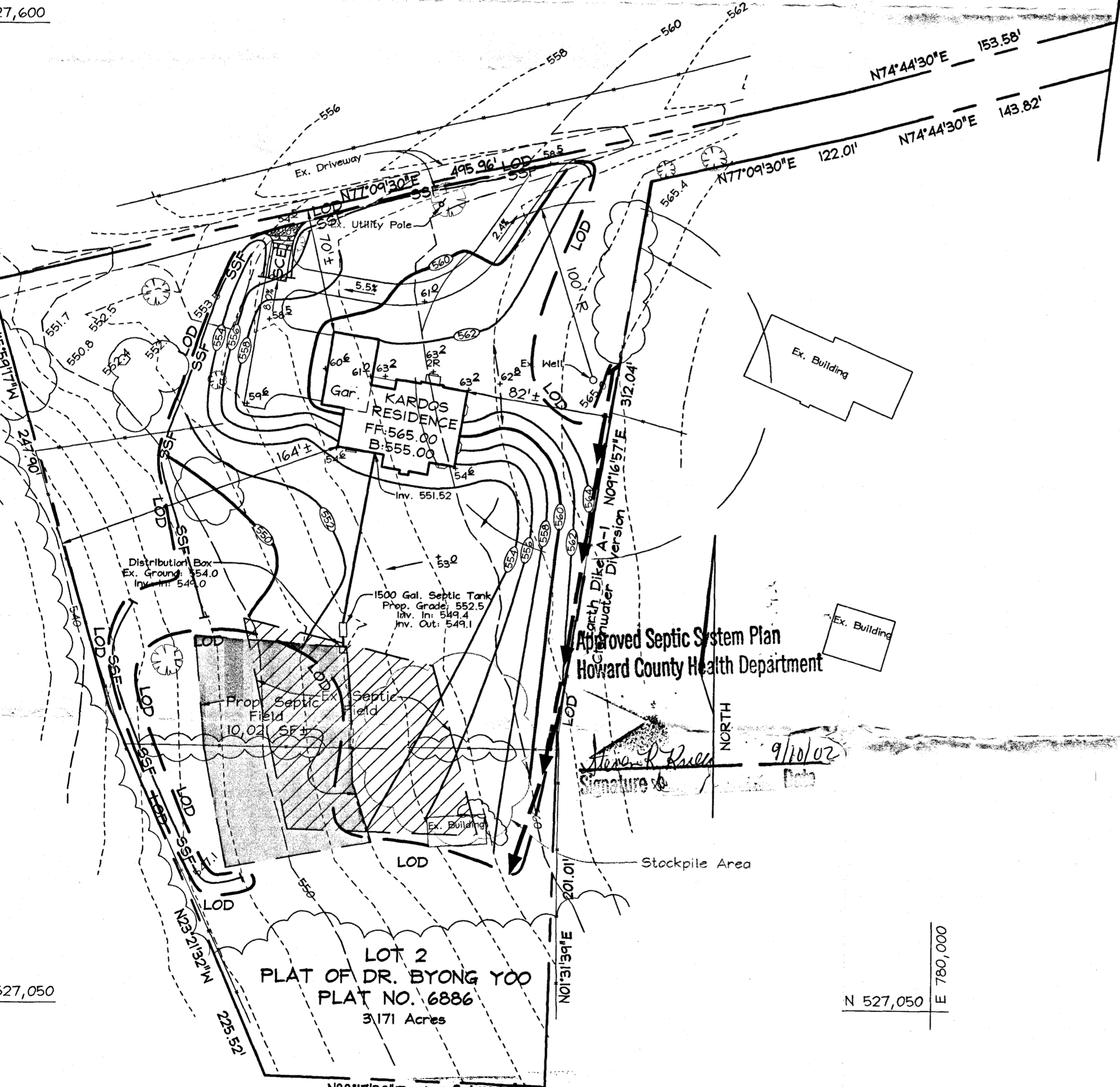


VICINITY MAP
SCALE: 1"=2000'

N 527,600

E 779,450

E 779,450



LOT 2
PLAT OF DR. BYONG YOO
PLAT NO. 6886
3.171 Acres

Total trench required 270 feet

Width of trench(es) 2 feet
Depth of trench(es) 9 feet
Depth of stone required below distribution pipe 4 feet

DAISY ROAD
(Public Road)

OWNER/DEVELOPER

Toll Brothers, Inc.
c/o Kenneth W. Kardos
14210 Bear Creek Drive
Boyd, Maryland 20841
301.540.7974

**GRADING PLAN
KARDOS PROPERTY**

TAX MAP 20 GRID 6
4TH ELECTION DISTRICT

PARCEL 61
HOWARD COUNTY, MARYLAND

OPER'S CERTIFICATE

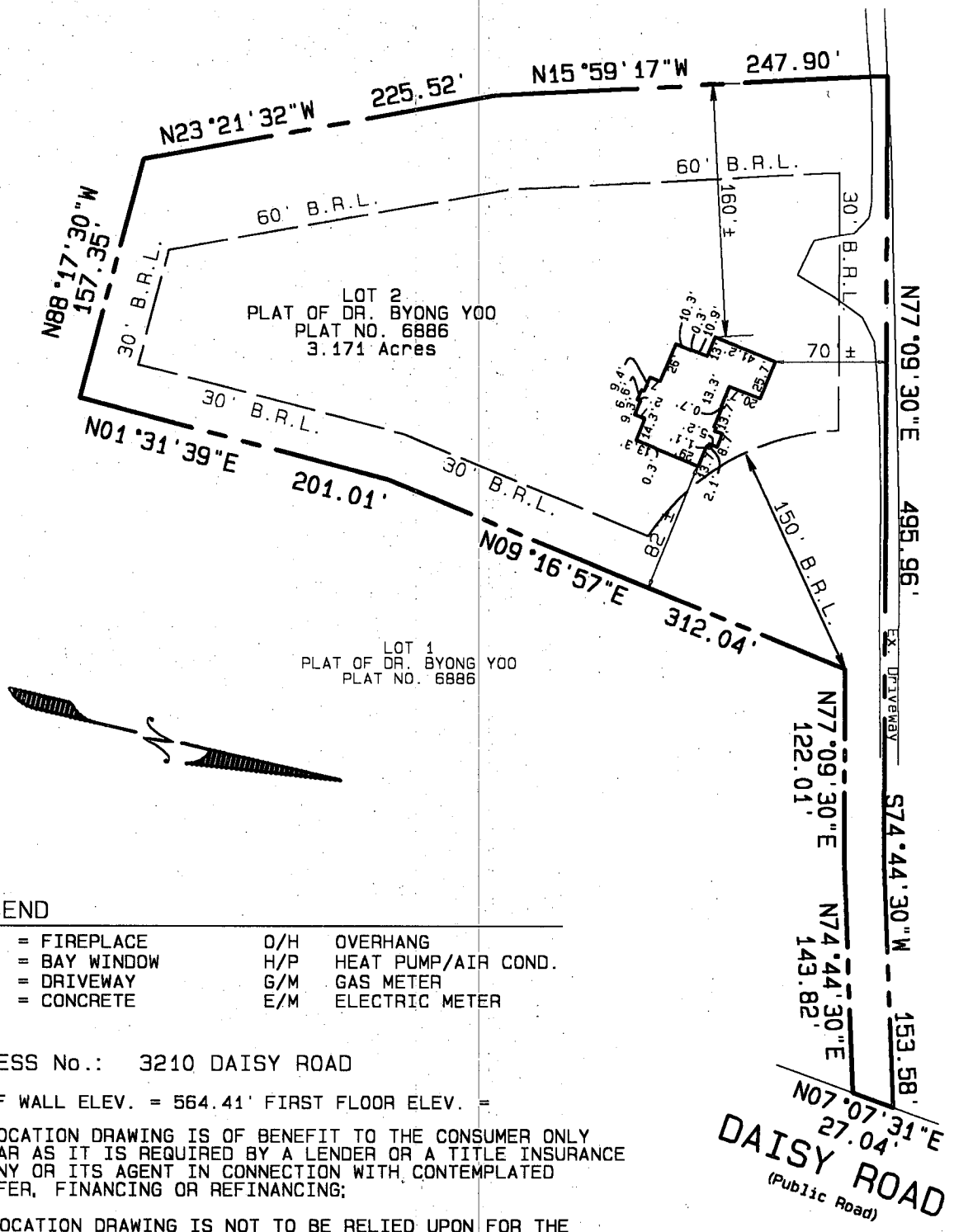
ALL DEVELOPMENT AND CONSTRUCTION WILL BE IN ACCORDANCE WITH THE PLAN FOR SEDIMENT AND EROSION CONTROL. THE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THIS PROJECT WILL BE TRAINED AND CERTIFIED PERSONNEL. THE OPERATOR SHALL BE PRESENT AT THE DEPARTMENT OF ENVIRONMENT AND PLANNING TRAINING PROGRAM FOR THE CONTROL OF SEDIMENTATION BEFORE BEGINNING THE PROJECT. THE OPERATOR SHALL BE PRESENT AT THE DEPARTMENT OF ENVIRONMENT AND PLANNING INSPECTION BY THE HOWARD SOIL CONSERVATION SERVICE.

OPER DATE

FSH Associates

Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: M2
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Sept. 09, 2002
N.O. No.: 3146
SHEET No.: 1 OF 1



LEGEND

- | | | | |
|------|--------------|-----|---------------------|
| F/P | = FIREPLACE | O/H | OVERHANG |
| B/W | = BAY WINDOW | H/P | HEAT PUMP/AIR COND. |
| D/W | = DRIVEWAY | G/M | GAS METER |
| CONC | = CONCRETE | E/M | ELECTRIC METER |

ADDRESS No.: 3210 DAISY ROAD

TOP OF WALL ELEV. = 564.41' FIRST FLOOR ELEV. =

THE LOCATION DRAWING IS OF BENEFIT TO THE CONSUMER ONLY INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING;

THE LOCATION DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS; AND THE LOCATION DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.

FLOOD INSURANCE RATE MAP (FIRM) FLOOD ZONE "C"
PER COMMUNITY PANEL NUMBER 240044 0019 B
FOR TITLE PURPOSES ONLY - NO TITLE REPORT FURNISHED
SUBJECT TO ALL EASEMENTS AND RIGHTS OF WAY OF RECORD

*WALL CHECK OK
HOUSE RAISED 0.5'±
MR 10/1/02*

FSH Associates

Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

LOCATION DRAWING	
FOUNDATION	Date: 9-27-02
FINAL	Date:
DRAWN BY:	BD
SCALE:	1"=100'
W.O. No.:	1841



FOUNDATION CERTIFICATION
LOT 2
DR. BYONG YOO
PLAT NUMBER 6886
4th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

10/21/03

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Eagles Well Drilling Telephone #: 410-795-5670
Address: 530 Obrecht Rd
Sykesville, Md 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Allen Compton License# 3MSD009
*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Ken Kardos Telephone #: _____
Subdivision: _____ Lot #: _____ Well Tag #: HO-94-343D
Site Address: 3210 Darius Rd
Woodbine Md 21797

Submersible Pump Data **Pitless Adapter** **Well Cap and Electric Conduit**
Make: Goulds Make: Campbell Two piece watertight cap: yes
Model #: 76515 Model#: N/A Screened, vented well cap: yes
Pump Capacity 7 GPM Depth: 4 1/2 (36" min) Cap secured to casing: yes
Well Yield: 1.5 GPM NSF approved: yes Conduit min 18" B.G.: yes
Depth of well encountered at time of pump installation: 700 (feet) Conduit secured to well cap: yes
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt N/A

Piping to house **House Connection**
Type: 1" Black Plastic PVC sleeved to undisturbed soil at wall penetration: yes
PSI: 160 (160 psi min) Approximate length of sleeve: 5'
Depth of supply line: 4 1/2 (36" min) Sleeve caulked and sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Allen Compton date: 8-21-03

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 10/25/02 Date Insp. Approved: _____
Inspection Data: Pitless adapter and water supply line at least 36" below grade _____
Two piece cap installed and attached to casing securely _____
Elec. conduit extends at least 18" below grade/attached to cap properly _____
Safety rope installed inside of well casing _____
Correct well tag attached properly and casing 8" above finished grade _____
Water supply line sleeved adequately at house connection _____
Adequate grout observed below pitless adapter _____

No insp due to limited resources employees day Installer reputable.
SRK

C1 14559 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER 13 A31910

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

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY 7-15-02

Depth of Well 22 700 26 OKSRK 9/10/02 PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3430

OWNER Kardos Ken STREET OR RFD 3210 DAISY ROAD TOWN LISBON SUBDIVISION SECTION LOT 2

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Brown shale, Gray Limestone, White, Gray Limestone.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N). TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC). NO. OF BAGS 28 NO. OF POUNDS 2032. GALLONS OF WATER 168. DEPTH OF GROUT SEAL (to nearest foot) from 0 to 80 ft.

CASING RECORD

MAIN CASING TYPE (circle appropriate code below) ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER). Nominal diameter top (main) casing (nearest inch) 60 61 63 64 66 70. Total depth of main casing (nearest foot) 84.

OTHER CASING (if used)

SCREEN RECORD

Table with columns: E A C H S C 3 R E E N. DEPTH (nearest ft.) 84, 700. Includes slot size and diameter of screen information.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (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...

DRILLERS LIC. NO. MS D 009 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. D

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.F.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3 PUMPING TEST

HOURS PUMPED (nearest hour) 06. PUMPING RATE (gal. per min.) 1.4. METHOD USED TO MEASURE PUMPING RATE 19 gal. WATER LEVEL (distance from land surface) BEFORE PUMPING 74 ft. WHEN PUMPING 158 ft. TYPE OF PUMP USED (for test) S submersible.

PUMP INSTALLED

DRILLER INSTALLED 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 49 below 01 (nearest foot). LAND SURFACE.

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

see Plat

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3430
 Location of property (road) 3210 DAISSY
 Subdivision _____ Lot 2 Block _____ Plat _____ Sec. _____
 Well Driller A. Compton Owner KARLOS
 Depth of well 700'
 Distance of measuring point (M.P.) above ground 1'
 Static water level (S.W.L.) below M.P. 74'

I. High rate pumping -- reservoir drawdown
 Time pump started 7:00 Pumping rate 20
 Total time 15 min to reach pumping water level 156 ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:00	74	3		20
7:15	158	40		1.4
7:30	158	40		1.4
7:45	158	40		1.4
8:00	158	40		1.4
8:15	158	40		1.4
8:30	158	40		1.4
8:45	158	40		1.4
9:00	158	40		1.4
9:15	158	40		1.4
9:30	158	40		1.4
9:45	158	40		1.4
10:00	158	40		1.4
10:15	158	40		1.4
10:30	158	40		1.4
10:45	158	40		1.4
11:00	158	40		1.4
11:15	158	40		1.4
11:30	158	40		1.4
11:45	158	40		1.4
12:00	158	40		1.4
12:15	158	40		1.4
12:30	158	40		1.4
12:45	158	40		1.4

HD-224 1:00 158 40 1.4
 1:15 158 40 1.4

B 1	9340	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL Base print or type W517328	STATE PERMIT NUMBER HO-94-3430 fill in this form completely
-----	------	--------------------------------	--	---

OWNER INFORMATION

Date Received (APA) 06 25 02

8 MM DD YY 13

15 Last Name Kardos, Ken Owner First Name 34

36 5798 Rockspray Ct Street or RFD 55

57 Frederick Md. 21703 Town 70 State 72 Zip 76

LOCATION OF WELL

B 3

8 COUNTY Howard 21

23 SUBDIVISION Byong Yoo 42

SECTION 44 LOT 2 46 48 50

52 Lisbon NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 4 M I 73 76 77 78

DRILLER INFORMATION

76 Driller's Name Allen Compton MS DOOF License No. 81

Firm Name Fogles Well Drilling

Address 580 Obrecht Rd

Signature Allen Compton Date 6-19-02

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

1 2

NEAR WHAT ROAD Daisy Rd. 11 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 300 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 20 BLK: _____ PARCEL 61

WELL INFORMATION

1 2

APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME COUNTY NO. _____

STATE SIGNATURE _____ INSERT S → 41

DATE ISSUED 6/28/02 Kacie Roman 6/28/02 41

43 MM DD YY 48 CO. SIGNATURE EXP. DATE

NORTH GRID 528 000 EAST GRID 970 000 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH.

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X → 7122102 Tam Chars

SOURCES OF DRILLING WATER

-
-
-

WRITE THE BOX NUMBER FROM THE MAP: HERE

E 770 700 000

N 5208 500 000

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVerse-ROTary DRive-POINT

other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____

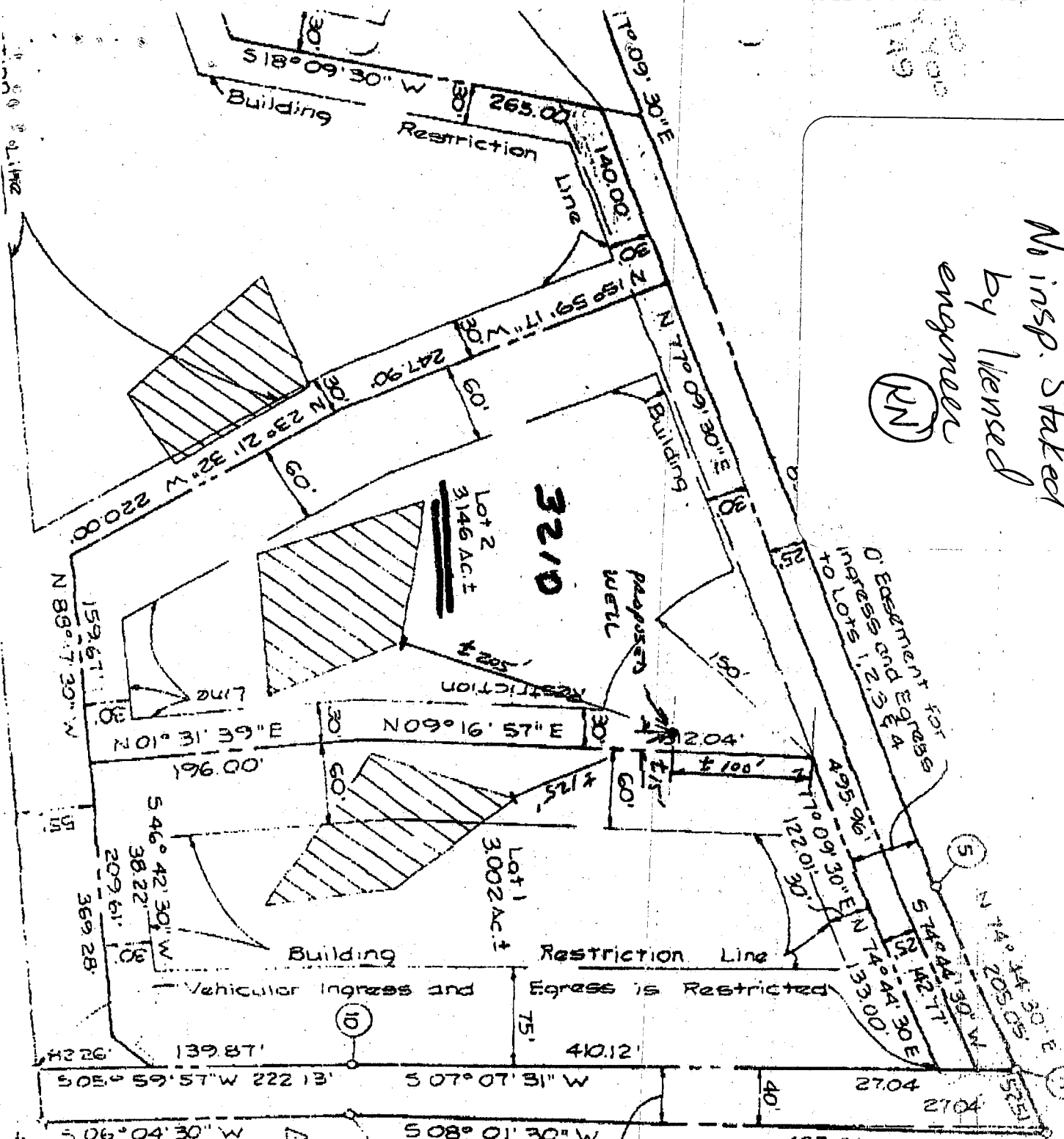
PERMIT No. HO-94-3430

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

6/28/02

No insp. Stated
by licensed
engineer



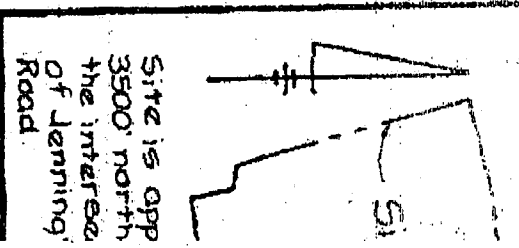
DAISY ROAD

Howard County
Control Station
3231002

CONTRACT PURCHASER
KEN KARDOS
5798 ROCKSPRAY CT
FREDERICK, MD 21703
(211) 221-4180

Land Dedicated
Howard County
for the purpose
public road, 0.6

Vicinity
Scale



1" = 100'

APPLICATION

PERCOLATION TESTING

A 36610

P _____

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

DISTRICT _____

DATE 3/4/1986

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 Byong W. Yoo
ADDRESS 3200 Daisy Rd Woodbine Md 21799 PHONE (301) 622-6890
(202) 546-2208

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION BYONG W YOO property LOT NO. Lot 2
ROAD AND DESCRIPTION 3200 Daisy Rd

TAX MAP _____ PARCEL # _____

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.

Byong W Yoo
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

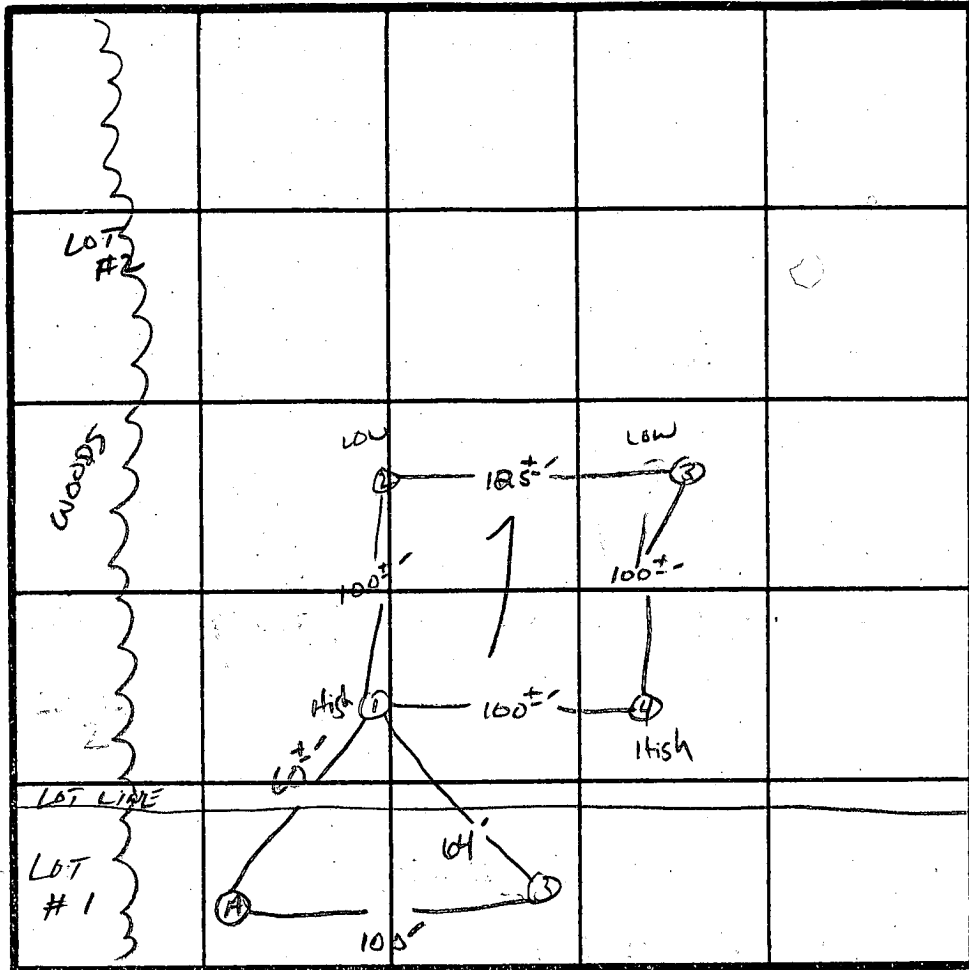
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4-1-86 Perc SATISFACTORY; Hold For Certified hole location;
house + well site. S. All

THIS IS NOT A PERMIT

④
①③
SOIL PROFILE

0'
1'
4.5'
AP
ORANGE BR.
Silty CLAY
LOAM <10%
FRAGMENTS
YELLOW BR
SANDY SILT
LOAM 10-20%
FRAGMENT
TIGHT/
COMPACTED
SOILS.
AT 5'-



$\bar{X} = 13$
INLET 4.5'
BOTTOM 9'
95% BR
210

②
AP
ORANGE BR w/
RED CASTS
Silty CLAY
LOAM <10%
FRAGMENTS
4.5'
BROWN YELLOW
SAND LOAM
20-30%
FRAGMENTS
11'
FRAGMENTS
(SHALE)
30-40%
12'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
DAISY Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME	
			START	STOP	START	STOP		
4/1/86	1 S	4'	11:44	12:05	12:05	12:33	28 MIN	
	1 M	9'	11:44	11:52	11:52	12:05	13 MIN	
	1 V	13'	UNIFORM COIL STRUCTURE - Below 4.5'					
	2 S	4.5'	11:59	12:03	12:03	12:09	6 MIN	
	2 M	9'	11:59	12:09	12:09	12:25	16 MIN	
	2 V	12'	VARYING SOIL STRUCTURE Below 4.5'					
	3 S	4.5'	12:08	12:16	12:16	12:30	14 MIN	
	3 V	12.5'	SAME AS HOLE #1					
	4 S	4.5'	1:19	1:25	1:25	1:34	9 MIN	
	4 M	9'	1:19	1:23	1:23	1:30	7 MIN	
	4 V	13'	SAME AS HOLE #1		#3			

Shallow repairs

REMARKS Tight/COMPACTED Soil 5'-

TYPE OF SOIL MAJOR SAND LOAM

TESTED BY S. Abel ALSO PRESENT HERMAN SIKK, MR. 400

EH-12-1079

top line of

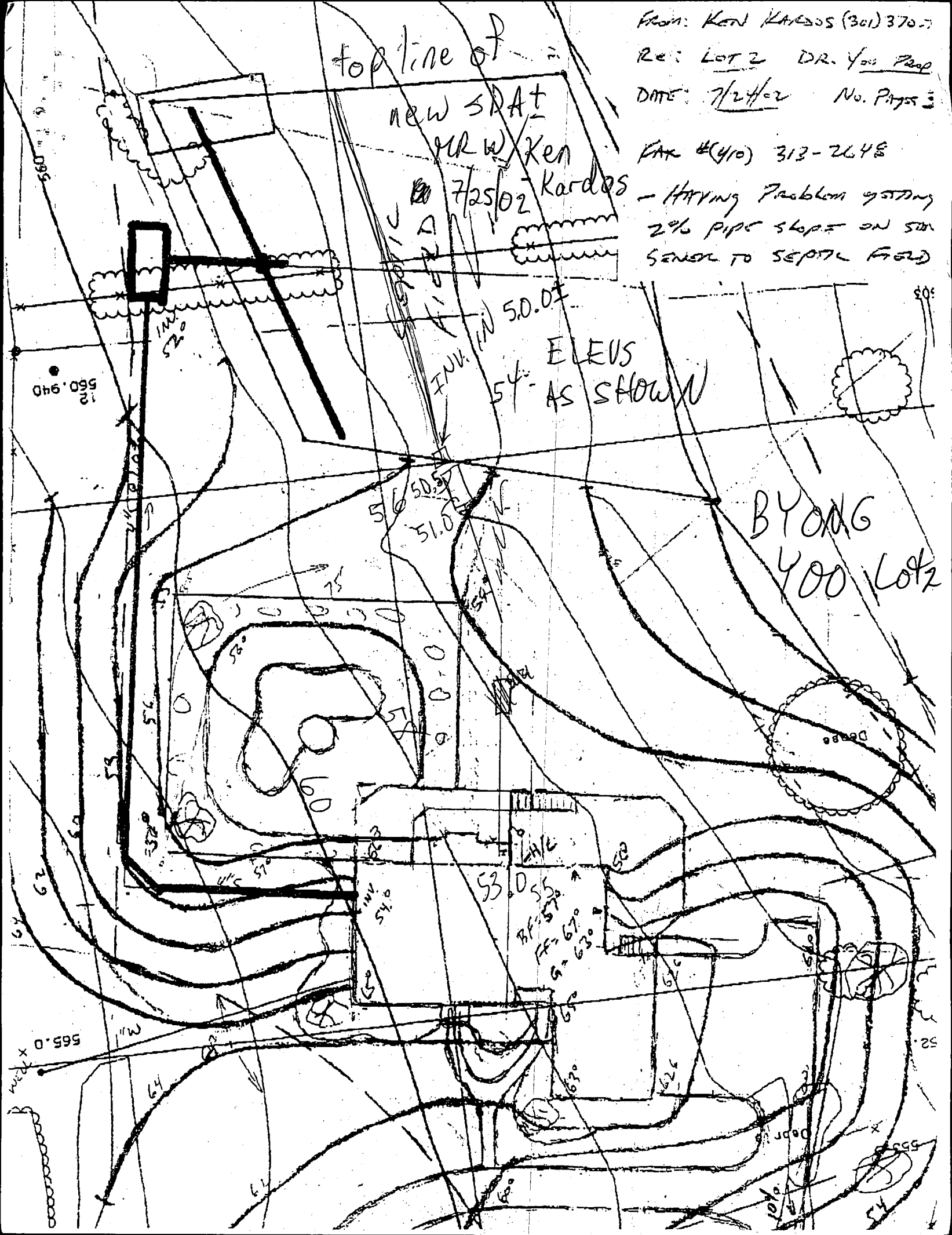
new SDAT
PR W/ Ken

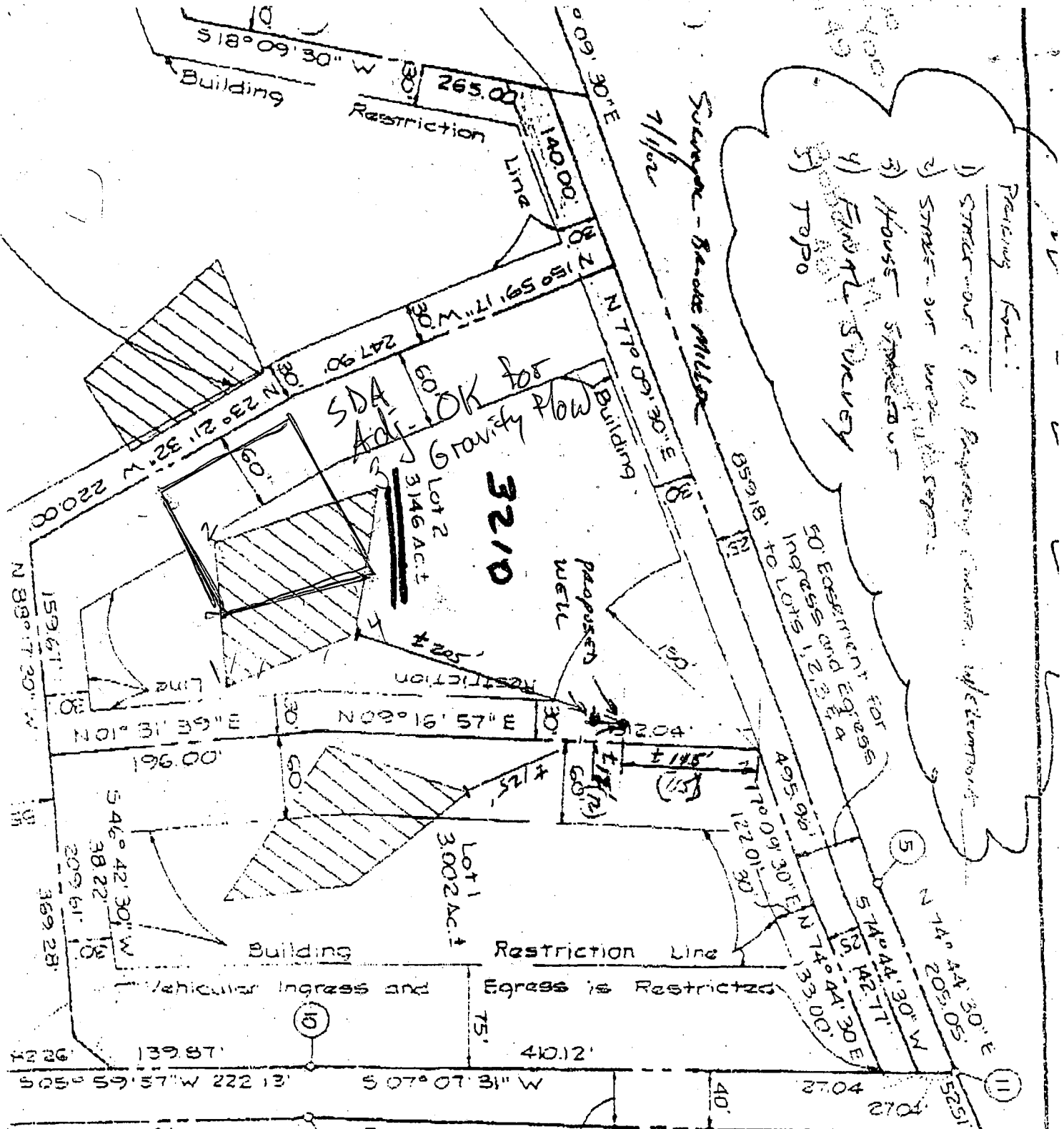
7/25/02 Kardos

From: Ken Kardos (301) 370-7
Re: Lot 2 DR. You Peap
DATE: 7/24/02 No. Pages 3
Fax # (410) 313-2648
- Having Problem getting
2% pipe slope on SDAT
Sensor to septic field

ELEVS
AS SHOWN

BYONG
400 Lot 2





- Proposed Easement:
- 1) Street out to PAJ Engineering Center, adjacent road
 - 2) Street out west of property
 - 3) House structure
 - 4) Front driveway
 - 5) Topo

SDA
Adj. OK for Gravity Flow

3210

Proposed well

Restriction

Lot 1
3002 Ac. ±

Lot 2
3146 Ac. ±

Restriction Line

Vehicular Ingress and Egress is Restricted

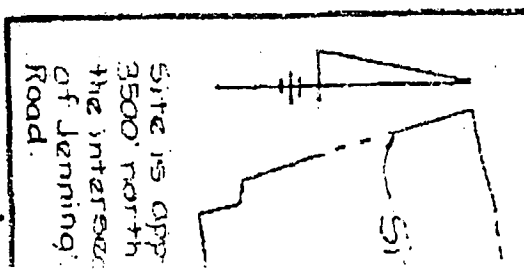
D'AISSY ROAD

Howard County
Control Station
3231002

CONTRACT PURCHASER
KEN KARDOS
 5798 ROCKSPRING CT
 FREDERICK, MD 21703
 (301) 831-4180

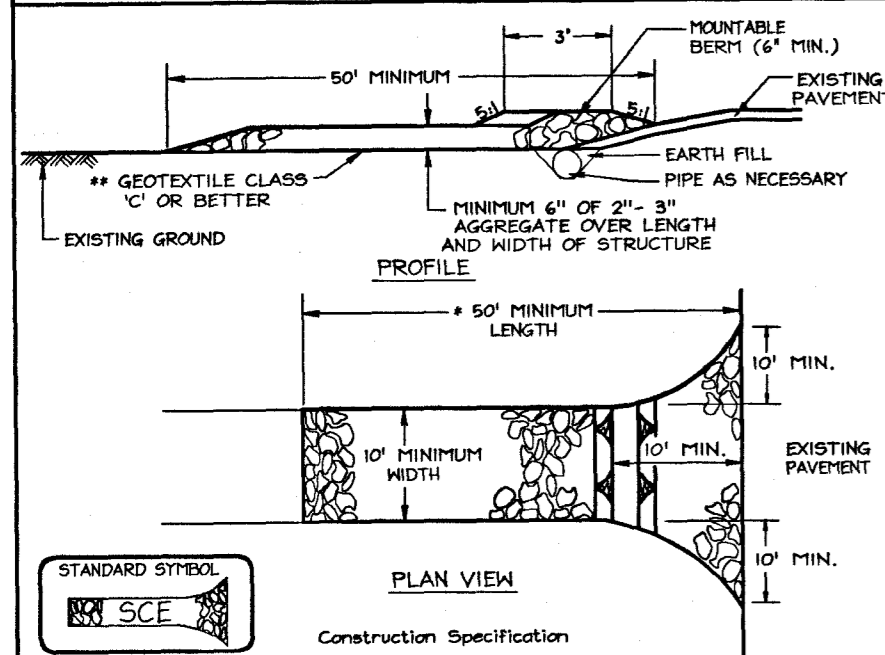
Land Dedicated
 Howard County
 for the purpose
 of public road, 0.6

Vicinity
 Scale



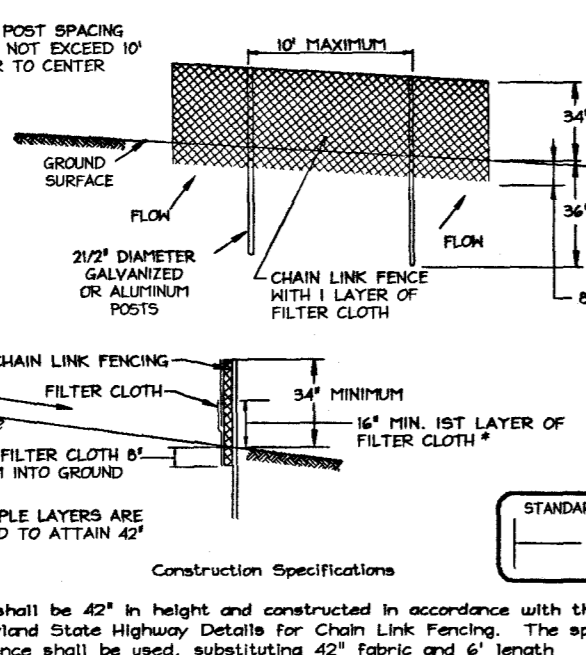
1" = 500'

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



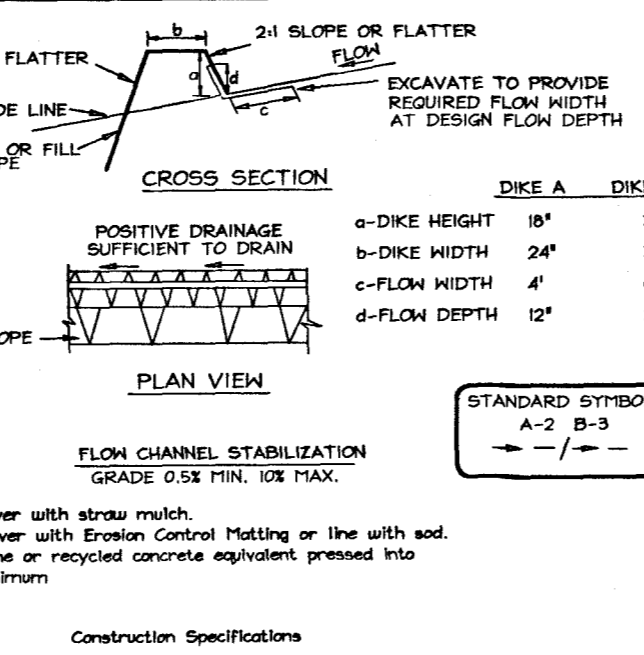
- Construction Specifications for Detail 24, including length, width, geotextile fabric, and stone requirements.

DETAIL 33 - SUPER SILT FENCE



- Construction Specifications for Detail 33, including fence height, chain link fence, and filter cloth details.

DETAIL 1 - EARTH DIKE



- Construction Specifications for Detail 1, including dike height, width, and material requirements.

PERMANENT SEEDING NOTES

- Notes for permanent seeding, including application rates for lime and fertilizer, and soil amendment instructions.

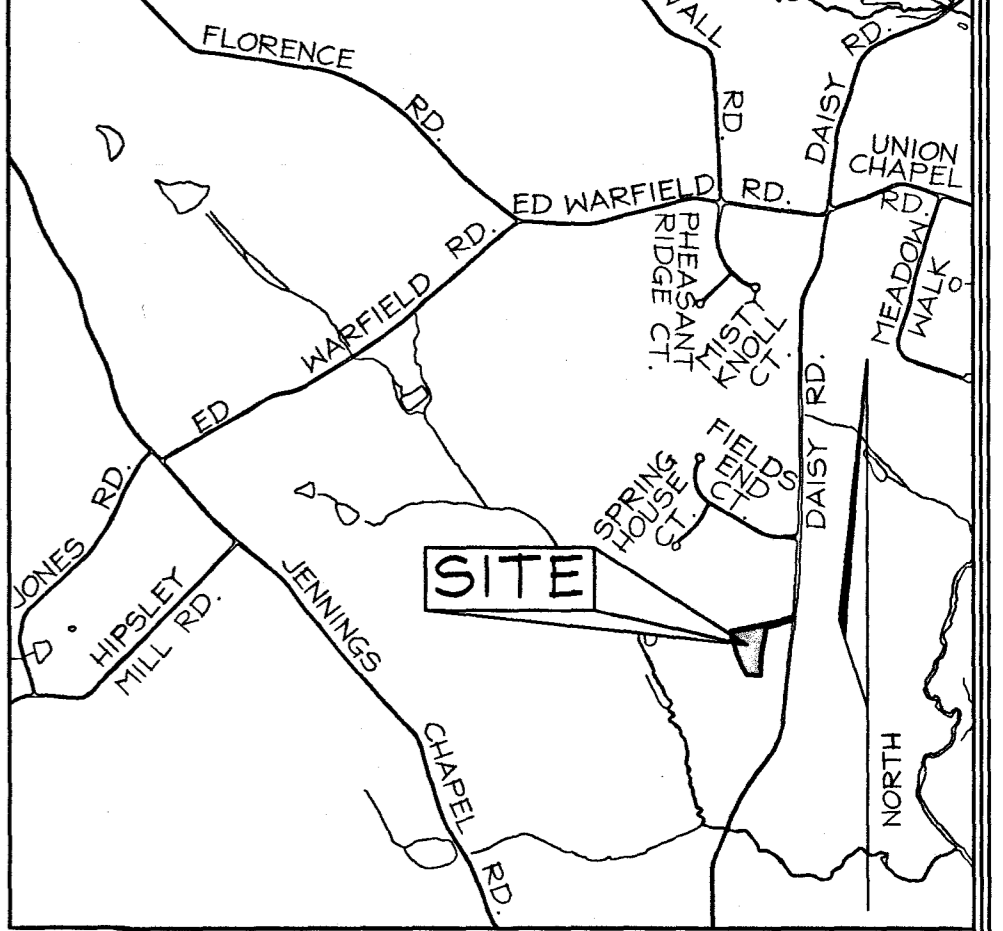
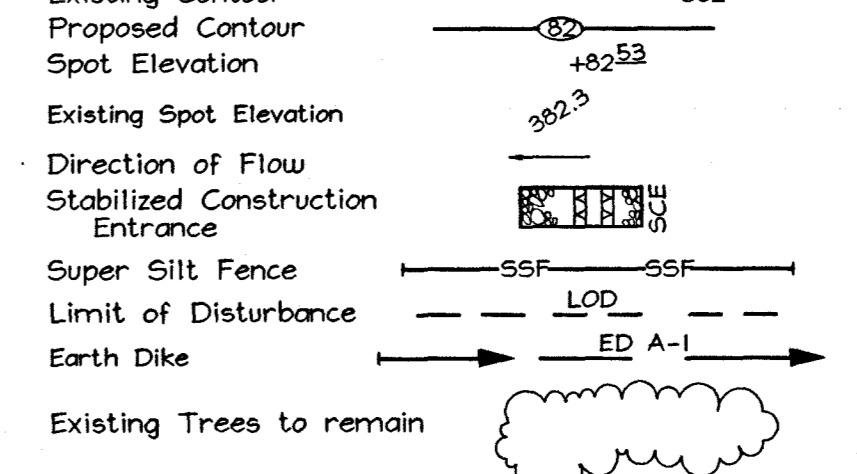
TEMPORARY SEEDING NOTES

- Notes for temporary seeding, including application rates and maintenance instructions.

GENERAL NOTES

- General notes regarding topography, contractor confirmation, and area calculations.

LEGEND



VICINITY MAP SCALE: 1"=200'

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

- Standards and specifications for topsoil, including definitions, purposes, conditions where practice applies, and construction and material specifications.

SEDIMENT CONTROL NOTES

- Sediment control notes detailing requirements for topsoil application, site analysis, and construction practices.

SEQUENCE OF CONSTRUCTION

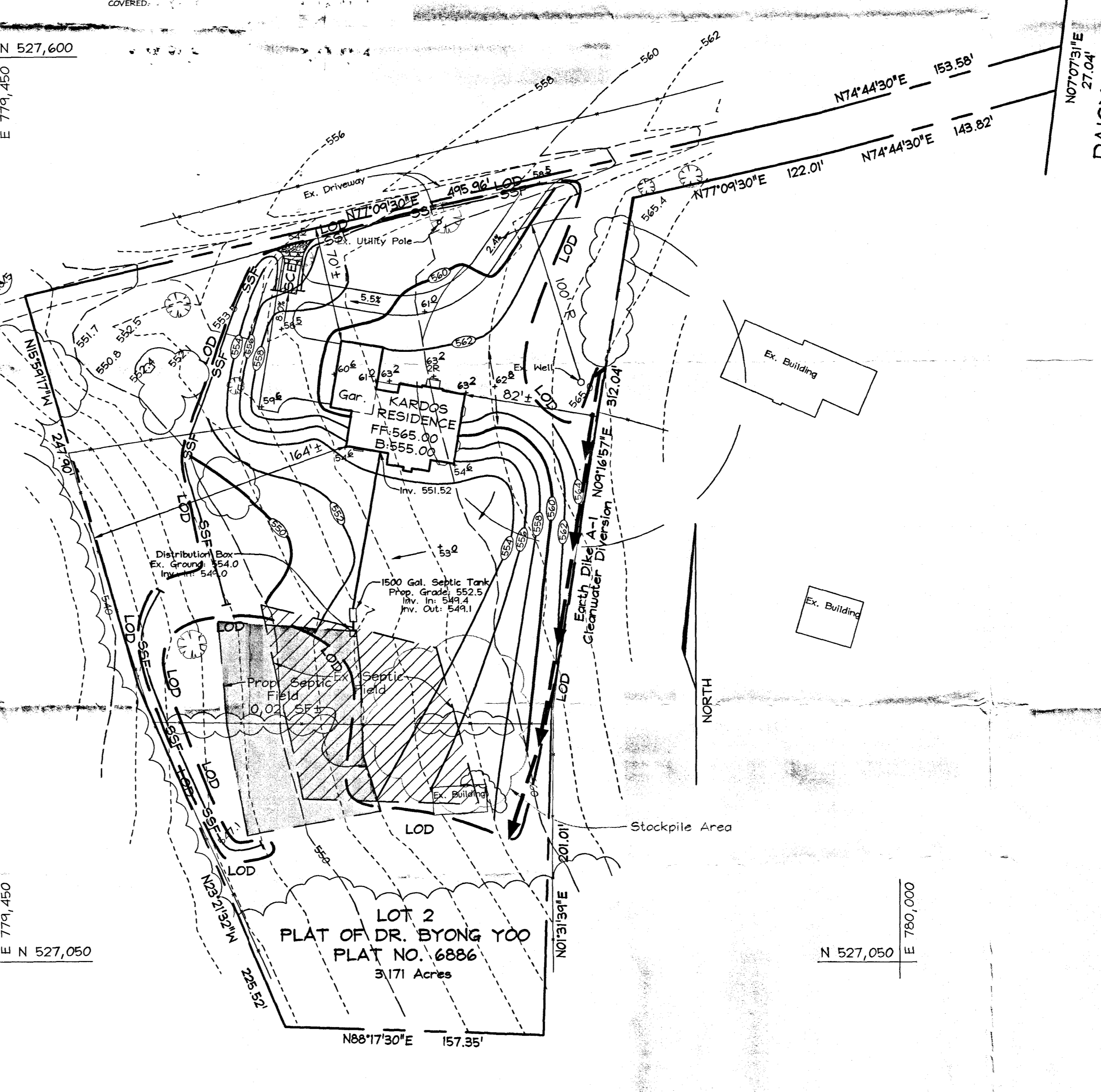
- Sequence of construction steps from grading to final stabilization of disturbed areas.

ENGINEERS CERTIFICATE

Engineer's certificate text certifying the plan for sediment and erosion control.

DEVELOPER'S CERTIFICATE

Developer's certificate text certifying that all development and construction will be done according to the plan.



Project information block including owner/developer name (Kardos Property), grading plan title, tax map details, and FSH Associates contact information.

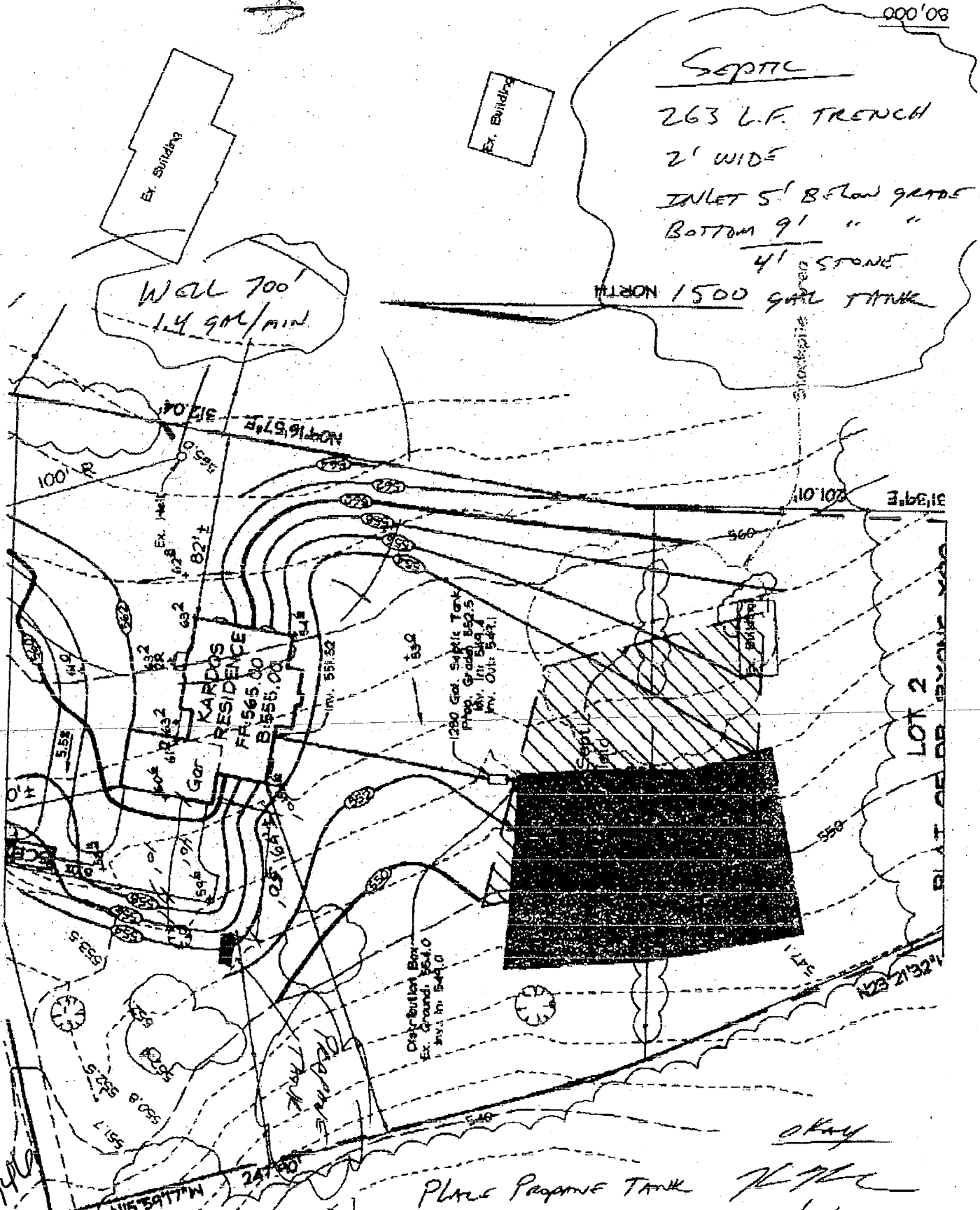
Table with columns for 'REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS' and 'USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE'.

Table for 'ENGINEERS CERTIFICATE' with columns for 'SIGNATURE OF ENGINEER' and 'DATE'.

Table for 'DEVELOPER'S CERTIFICATE' with columns for 'SIGNATURE OF DEVELOPER' and 'DATE'.

Table for 'USDA-NATURAL RESOURCES CONSERVATION SERVICE' with columns for 'DATE' and 'DATE'.

000'08



SEPTIC
 263 L.F. TRENCH
 2' WIDE
 INLET 5' BELOW GRADE
 BOTTOM 9' " "
 41 STONE
 1500 GALL TANK

WELL 700'
 1.4 gpm/min

KARDOS RESIDENCE
 FH: 565.00
 B: 555.00

1200 Gall Septic Tank
 Prop. Ground: 829.5
 Inlet Elev: 827.7
 Inlet Elev: 827.1

LOT 2

Distribution Box
 Ex. Ground: 824.0
 Inlet Elev: 824.0

800 139946

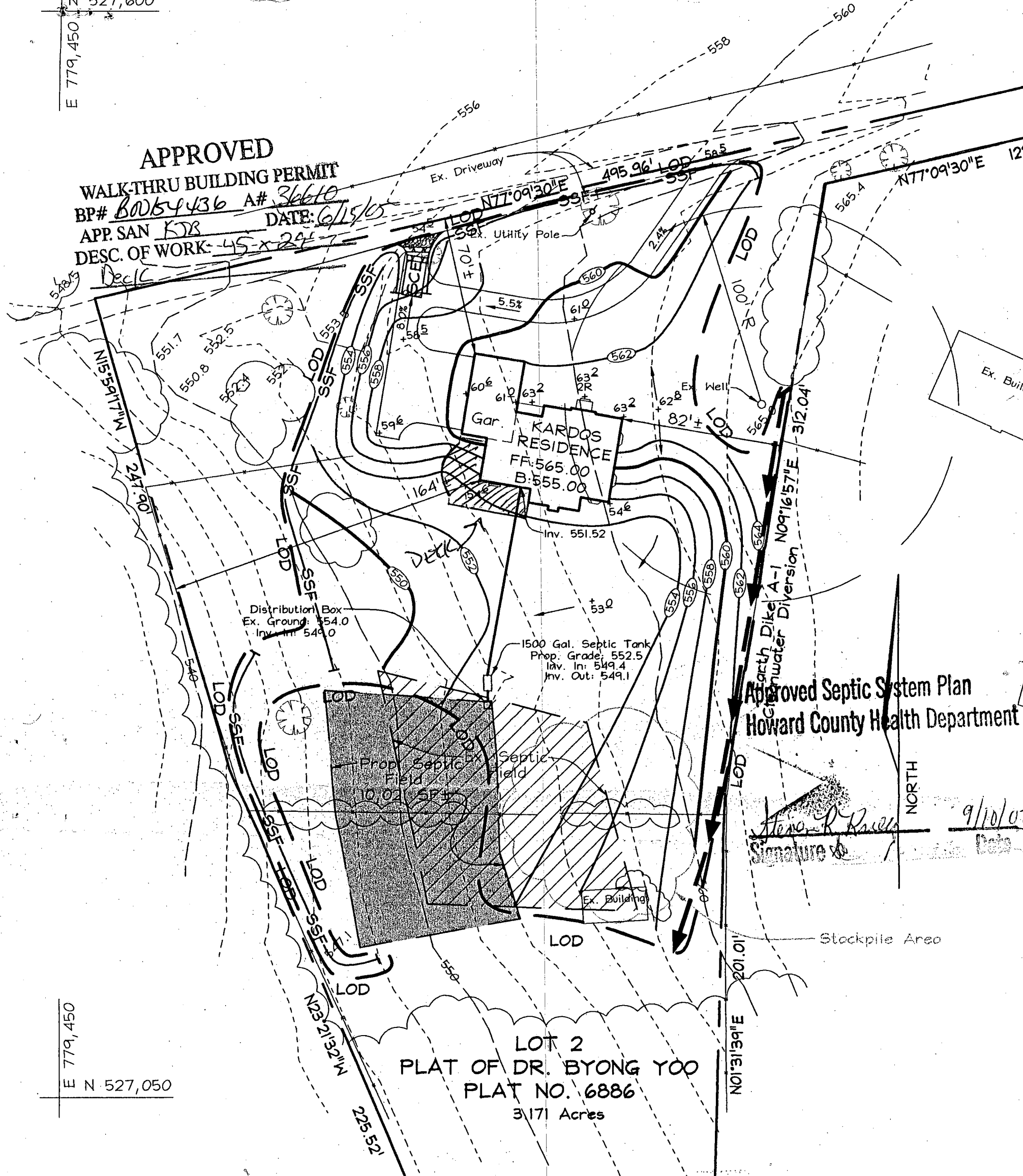
2-5-03
 No issues
 w/prop.
 tank
 location
 (KN)

Place Propane Tank
 10' OFF CORNER OF
 DRIVEWAY BUMP OUT
 (RIGHT CORNER)

okay
 JH
 1/7/03

N 527,600
E 779,450

APPROVED
WALK-THRU BUILDING PERMIT
 BP# B0054436 A# 36610
 APP. SAN KJR DATE: 6/15/05
 DESC. OF WORK: 45-x-24'



Approved Septic System Plan
 Howard County Health Department

Steve R. Powell
 Signature
 9/10/05

LOT 2
 PLAT OF DR. BYONG YOO
 PLAT NO. 6886
 3.171 Acres

Total 11230 Feet 57.35 trench
 required 270 feet

Width of trench(es) 2 feet
 Depth of trench(es) 9 feet
 Depth of stone required below
 distribution pipe 4 feet

OPER'S CERTIFICATE
 I DEVELOPMENT AND CONSTRUCTION WILL BE
 PLAN FOR SEDIMENT AND EROSION CONTROL
 PERSONNEL INVOLVED IN THE CONSTRUCTION
 IFICATE OF ATTENDANCE AT A DEPARTMENT
 OVED TRAINING PROGRAM FOR THE CONTROL
 BEFORE BEGINNING THE PROJECT. I ALSO
 E INSPECTION BY THE HOWARD SOIL

OPER _____ DATE _____