

PERMIT

Approved: 6/22/81
[Signature]

P 31446

A REPAIR

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

05-3718 21

ELLICOTT CITY

DISTRICT 5th.

Indexed

DATE 6/22/81

Zepp Plumbing and Heating

IS PERMITTED TO INSTALL ALTER X

ADDRESS 6344 Ten Oaks Road, Clarksville, Md.. 21029 PHONE 531-6712

SUBDIVISION _____ ROAD 12447 Route 108 LOT _____

PROPERTY OWNER Edgar Zepp

ADDRESS 12447 Route 108

SPECIFICATIONS

SEPTIC TANK CAPACITY _____ GALLONS

DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

DEEP TRENCH _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

INLET PIPE _____ FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH _____ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA _____ FT. FROM _____ LOT LINE AND _____ FT. FROM _____ LOT LINE AS SEEN WHEN FACING LOT FROM

REPAIR - Replacement of septic tank.

PLANS APPROVED BY Palmer F. Wine DATE 6/22/81

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

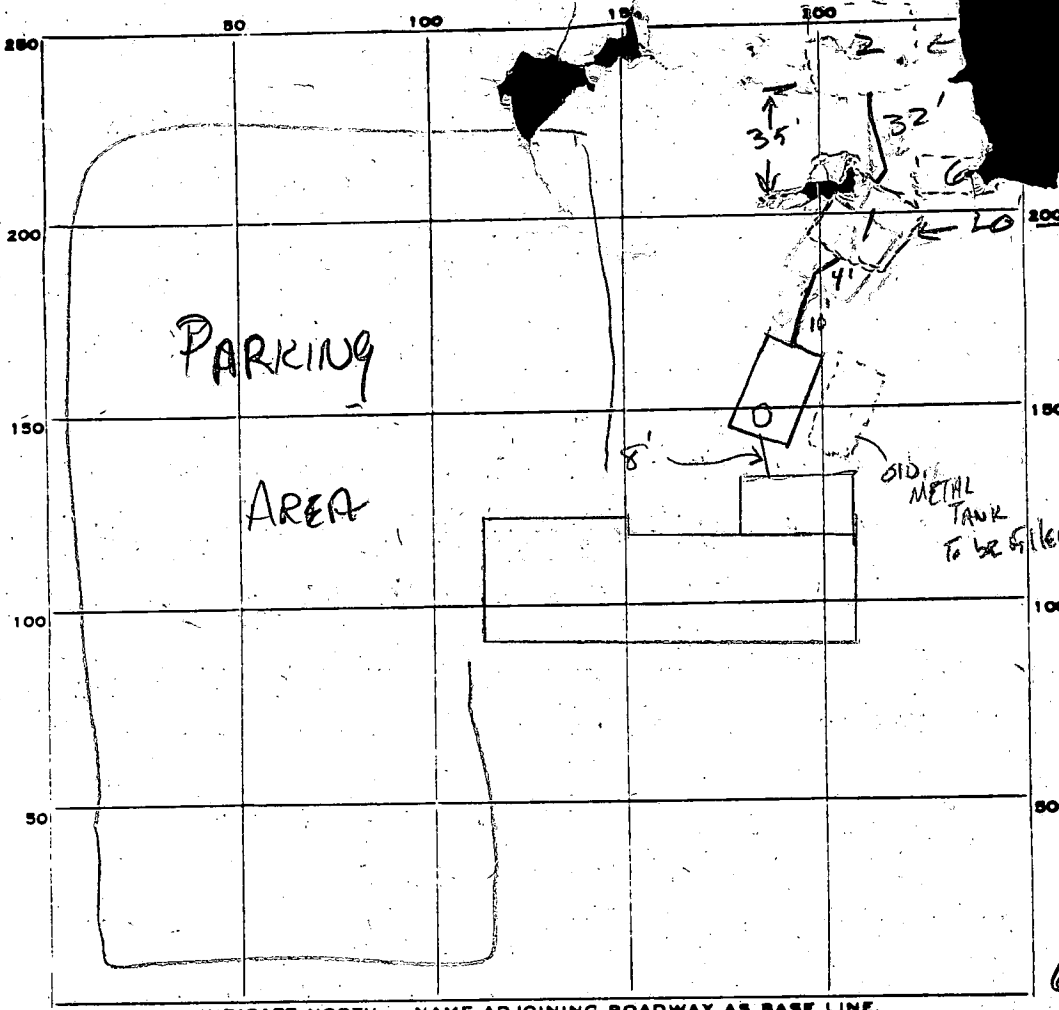
PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

BLDG. PERMIT SIGNED
AND RETURNED 10/29/81
Serial # 48174

A 31446

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



PERMIT CARD _____

SEPTIC TANK, LEVEL _____ CLEANOUTS _____

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH _____ FT. TRENCH WIDTH _____ FT.

GRAVEL DEPTH _____ IN. TOTAL LENGTH _____ FT.

NUMBER OF TRENCHES _____ TOTAL BOTTOM AREA _____

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 6-23-81 DW. # ① has inlet + outlet SK- / 6-23-81
 Dug down to 5' between DW # 2 + DW # ③ no pipe between.

DATE SYSTEM APPROVED 6-23-81 INSPECTOR Stephen G. Keil

OK SRK
 4/30/03

 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4-25-03 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) None

* PERMIT NUMBER OF REPLACEMENT WELL _____

* PERSON ABANDONING WELL: Joseph R. Mayne

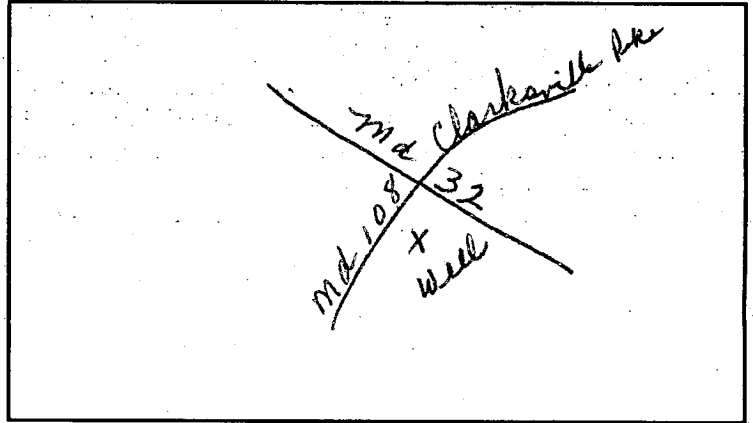
WELL DRILLERS LICENSE NUMBER: 024

* OWNER'S NAME: Zapp Plumbing & Heating

CIRCLE: MWD/MSD/MGD

* WELL LOCATION:
 COUNTY: Howard
 NEAREST TOWN: Clarksville
 TAX MAP _____ BLOCK _____ PARCEL _____
 SUBDIVISION: _____
 SECTION: _____ LOT: _____
 NEAREST ROAD: 12447 Rt 108

SITE LOCATION MAP



* TYPE OF WELL BEING ABANDONED:

- DRILLED JETTED
- BORED/AUGERED HAND DUG
- OTHER (specify) _____

* USE CODE:

- DOMESTIC MUNICIPAL/PUBLIC
- IRRIGATION INDUSTRIAL
- TEST/OBSERVATION GEOTHERMAL

* TYPE OF CASING:

- STEEL PLASTIC
- CONCRETE OTHER (specify) _____

* SIZE OF CASING: 5.58 INCHES IN DIAMETER

* DEPTH OF WELL: 82 FEET DEEP

* WAS ANY CASING REMOVED? YES NO
 if yes, length removed, in feet: _____

* WAS CASING RIPPED OR PERFORATED? YES NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Cement	0	82
VOLUME OF MATERIAL USED		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN: Joseph R. Mayne LICENSE # 024 MWD/MSD/MGD CIRCLE ONE DATE 4-28-03
 DENV 828 JULY 1997 2) COUNTY ENVIRONMENTAL AGENCY

WSME
08/30/04

WATER - SEWER BILLING SYSTEM
METER INFORMATION

PAGE 1 OF 2
11:48 AM

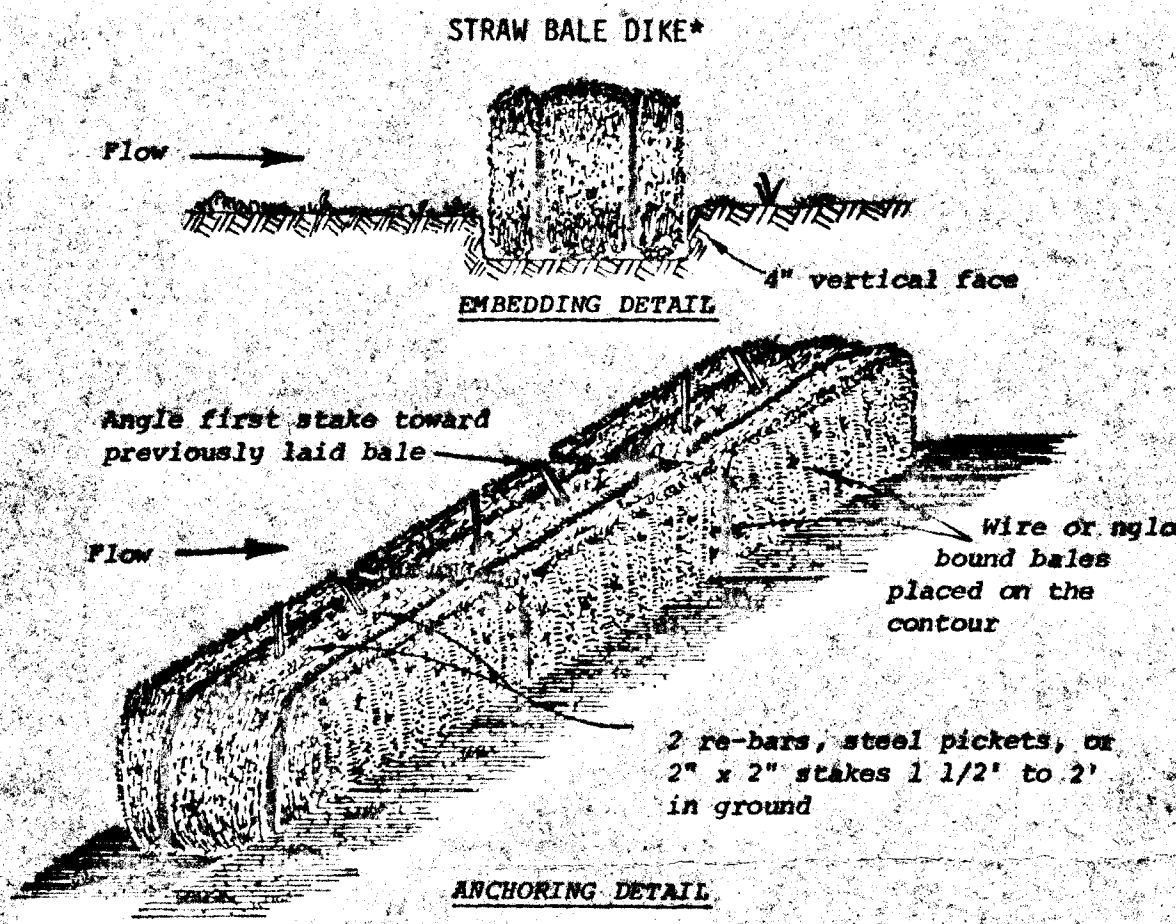
ACCOUNT# 64679640 BILL STATUS B BILL
PROPERTY LOC 012451 - CLARKSVILLE PK BLDG#
SUBDIVISION

** NEW: ADC MAP NUMBER 14-E8

ORIGINAL INSTALL DATE	02/12/1998	TYPE SERVICE	2	WATER
CURRENT INSTALL DATE	00/00/0000	NUMBER OF DIALS	1	
METER # (OR ERT ID)	20111999	TYPE METER		M=MASTER S=SUBMETER
METER SIZE	A = 5/8"	PERMANENT CODE	I *	RADIO *
METER MANUFACTURER	B = BADGER	TAP SIZE	=	
CYCLE #	2	METER SIZE APPLIED FOR	=	

WATER APPLICATION #	1-98-1257	SEWER APPLICATION #	
WATER APPLICATION DATE	02/09/1998	SEWER APPLICATION DATE	00/00/0000
APPLICATION FEE PAID \$	01550	APPLICATION FEE PAID \$	NONE
WATER CONNECT DATE	03/01/1998	SEWER CONNECT DATE	03/01/1998
ADO #	WHC	WALKING PATTERN #	9640
			SHC

F3=MENU F4=CONSUMPTION HISTORY F5=FINANCIAL INQ F6=BILL INQ
F7=MOVE BETWEEN FIRST AND SECOND PAGE F9=METER INFO F10=EXIT F11=NOTES



- Construction Specifications**
- Bales shall be placed in a row with ends tightly abutting the adjacent bales.
 - Each bale shall be embedded in the soil a minimum of 4".
 - Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in each bale shall be angled toward previously laid bale to force bales together.
 - Inspection shall be frequent and repair or replacement shall be made promptly as needed.
 - Bales shall be removed when they have served their usefulness or as not to block or impede storm flow or drainage.
- Standard Symbol**
- * Drainage area less than 1/2 acre.

I. SEEDBED PREPARATION
Flat areas and slopes up to 3 to 1 grade shall be loose and friable to a depth of at least 3 inches. The top layer of soil shall be loosened by raking, discing or other acceptable means before seeding.

Slopes steeper than 3 to 1 shall have the top 1-3 inches of soil loose and friable before seeding.

II. SEEDBED PREPARATION
A. Apply 2,000 pounds per acre or 46 pounds per 1,000 sq.ft. of pulverized dolomitic limestone, 500 to 1,000 pounds per acre of 11.5 to 23 pounds per 1,000 sq.ft. of 0-20-0, superphosphate, or its equivalent (a higher rate of phosphate is normally needed with soils having a low silt-plus-clay content) and 1,000 pounds per acre or 23 pounds per 1,000 sq.ft. of 10-10-10 fertilizer or its equivalent. If soils are reasonably uniform, lime and fertilize according to soil test.

Harrow or disc lime and fertilizer into the soil to a depth of 2 - 3 inches. Continue tillage until a reasonably uniform fine, firm seedbed has been prepared. On sloping land, the final harrowing or discing operation should be on the contour wherever feasible.

III. SEEDING
A. Select a mixture from Table 1. (below)

B. Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder or hydro-seeder (slurry includes seed and fertilizer) on a firm, moist seedbed.

C. Where feasible, except when a cultipacker type seeder is used, the seedbed should be firmed following seeding operations, with a cultipacker, roller or light drag; or following mulch application with the mulch anchoring tool or pick chain. On sloping land, seeding operations should be on the contour where feasible. Normal coverage is from 1 to 1 inch.

IV. MULCHING ANCHORING METHODS
1. Mulch anchoring tool - a series of flat, notched discs which punch and anchor the mulch material into the soil. Soil must be moist and free of stones and loose enough to permit disc penetration to a depth of 2 - 3 inches. Note: Operate anchoring tool on the contour to secure maximum erosion control.

2. ASPHALT MULCH TIE-DOWN
a. Liquid asphalt - rapid curing (RC-70, RC-250 or RC-800) or medium curing (MC-250 or MC-800) Apply 1 gal/sq.yd.

b. Emulsified asphalt - (SS-1, SS-K, MS-2, RS-1, RS-2, RS-2K, or RS-3K) Apply .04 gal/sq.yd.

Apply so area has uniform appearance.

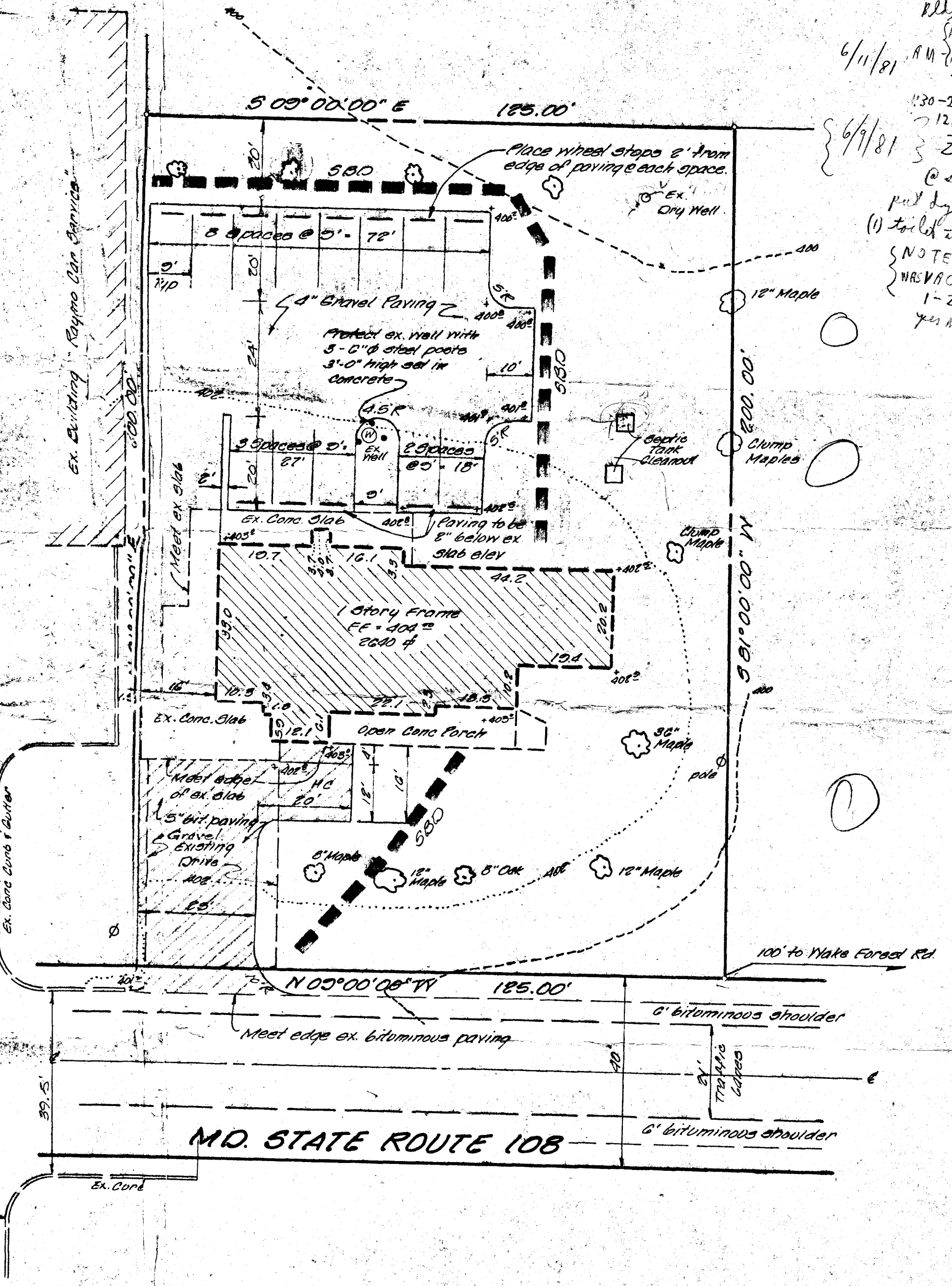
MULCHING
Mulch - Immediately after seeding, uniformly mulch these areas with unweathered small grain straw (preferably wheat) at the rate of 12 to 2 tons per acre or 69 to 92 pounds per 1,000 sq.ft.

TABLE 1-1
Permanent Seedings and Seeding Rates

SEEDING MIXTURE	SEEDING RATE (lbs/1000)	COVER PLANS	
		PERCENT	PERCENT
1. Lawn & High Maintenance Areas	40	80	80
2. Marion Kentucky Bluegrass	40	80	80
3. Common Kentucky Bluegrass (4)	40	80	80
4. Red Fescue, "Parliament" or "Shamrock"	30	60	60

- Total area of parcel = 25,000 sq ft or 0.574 ac.
- Property taxed = B-2
- Dead Reference = MHS 250/200
- Covering loss proposed = 0.110 ac or 2,400 sq ft
- Planting required = 12 (includes handicapped @ 10.00)
- No additions or reductions to existing building
- Existing coverage = building = 10.6%
- Proposed coverage = parking & drives = 6.85% or 27.9%
- Green area = 13,905 sq ft or 31.6%
- Impervious area = 10,095 sq ft or 44.4%
- Boundary from plat prepared by J.S. Clark Co., Laurel, Md.
- Topography as shown datum is from field survey by D.C.C.
- Private water & sewerage disposal systems - existing. No changes proposed.

WERNER KLOETZEL JR., P.E.
SITE PLANNER AND CIVIL ENGINEER
301-480-9912
4000 CHATHAM ROAD
BELLEVILLE CITY, MD 21048

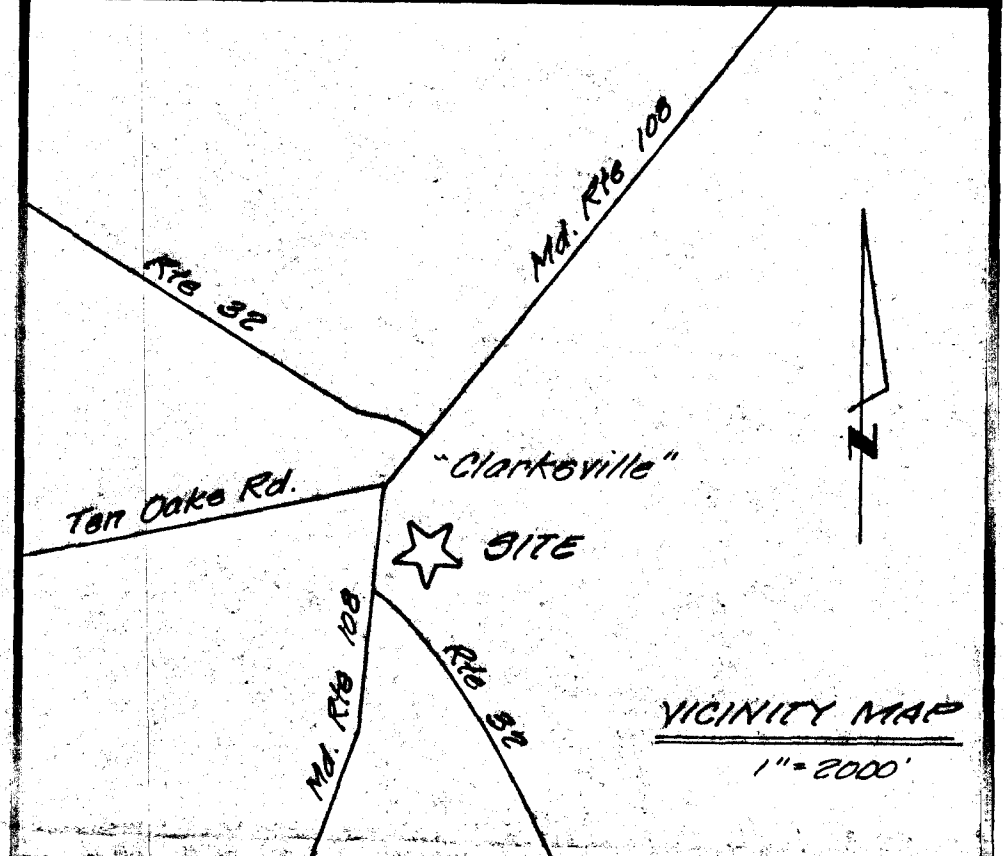


SEDIMENT CONTROL NOTES

- SBD - STRAW BALE DIKE (DETAIL - SEE THIS SHEET)
- ALL SEDIMENT CONTROL MEASURES TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.
- PERIODIC INSPECTION & MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED.
- PERMANENT & TEMPORARY SEEDING SHALL CONFORM TO "STANDARDS & SPECIFICATIONS FOR CRITICAL AREA STABILIZATION", PAGES 51.01 THRU 51.08 (INCLUSIVE), AS FOUND IN THE ABOVE REFERENCED STANDARDS & SPECIFICATIONS.

CONSTRUCTION SCHEDULE

	BEGIN	COMPLETE
1.) INSTALL SEDIMENT CONTROL	6-1-81	6-2-81
2.) GRADE PARKING & DRIVES	6-2-81	6-3-81
3.) INSTALL PAVING	6-8-81	6-10-81
4.) STABILIZE DISTURBED AREA	6-11-81	6-12-81
5.) REMOVE SEDIMENT CONTROL - WHEN APPROVED BY HOWARD COUNTY		



SURVEYOR'S CERTIFICATE
I certify that this plan of development & plan for erosion & sediment control represents a practical & workable plan based on my personal knowledge of the site conditions & that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
Date: 5-28-81
William D. Hammond
Jefferson O. Lawrence
Md. Reg. C.E. 515210

OWNER'S CERTIFICATE
I certify that all development and/or construction will be done according to this plan of development & that any 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 & erosion before beginning the project.
Edgar W. Zapp
Owner
Date: 5/28/81

Approved for water, sewer & public storm drainage systems & roads
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Date: _____
Director

Approved for water & sewage systems
HOWARD COUNTY HEALTH DEPARTMENT
Date: _____
County Health Officer

Approved:
HOWARD COUNTY OFFICE OF PLANNING & ZONING
Date: _____
Planning Director

Chief, Division of Land Development & Zoning Admin.
Reviewed for Howard Soil Conservation District and meets technical requirements.
Date: _____
Signature

U.S. SOIL CONSERVATION SERVICE
This plan is approved for soil erosion & sediment control by the Howard Soil Conservation District
Date: _____
HOWARD SOIL CONSERVATION DISTRICT

OWNER:
Edgar W. Zapp
6844 Ten Oaks Rd.
Clarksville, Md. 21029
301-531-6712

NO.	REVISIONS	DATE



DEVELOPMENT CONSULTANTS GROUP, INC.

12408 RO'E 108
CLARKSVILLE, MD. 21029
301-596-80 301-988-9830

SITE GRADING & SEDIMENT CONTROL PLAN
ZEPP PROPERTY
TAX MAP 34 PARCEL 155
5th Election District
Howard County, Maryland

DATE	SHEET
May 1981	1
DRAWN Jgm	
CHECKED MCS	
SCALE 1" = 20'	PROJECT NO. 81-01