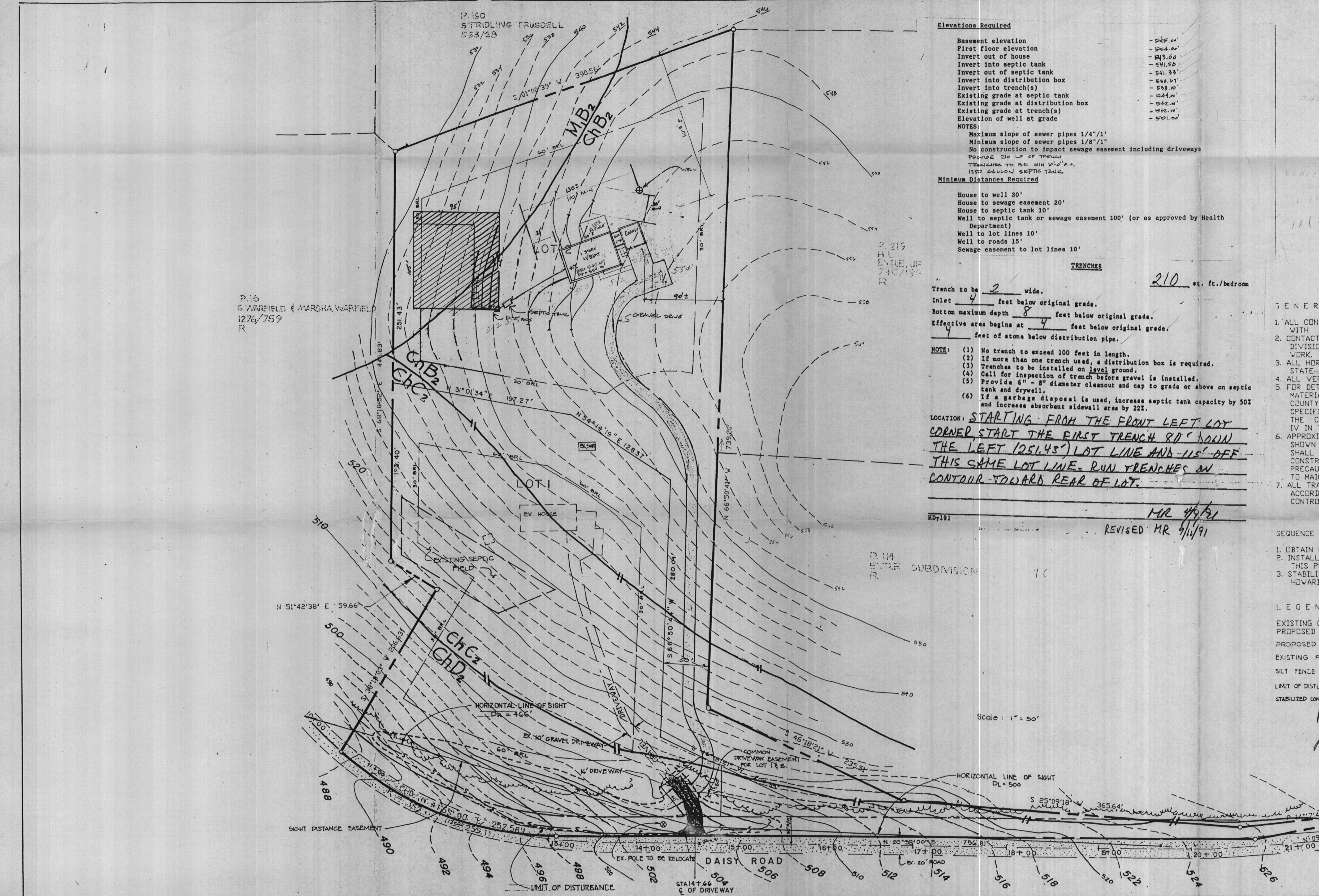


- STORAGE - 120 sq ft
- BEDROOM - 173.5 sq ft
- BATHROOM - 65 sq ft
- FAMILY ROOM - 357 sq ft

**APPROVED**  
 WALK-THRU BUILDING PERMIT  
 BP# B00150006 ~~P#~~ 520834-A  
 APP. SAN KJB DATE: 8/25/04  
 DESC. OF WORK: upgrade-completed  
finish basement + added 1 bedroom



P.16  
 G. WARFIELD & MARSHA WARFIELD  
 1276/759  
 R

P.180  
 STRIDLING FRUSSELL  
 563/23

**Elevations Required**

Basement elevation	-515.00'
First floor elevation	-504.00'
Invert out of house	-543.00'
Invert into septic tank	-541.50'
Invert out of septic tank	-541.33'
Invert into distribution box	-538.67'
Invert into trench(s)	-538.00'
Existing grade at septic tank	-544.00'
Existing grade at distribution box	-542.00'
Existing grade at trench(s)	-542.00'
Elevation of well at grade	-501.00'

NOTES:  
 Maximum slope of sewer pipes 1/4"/1'  
 Minimum slope of sewer pipes 1/8"/1'  
 No construction to impact sewage easement including driveways  
 PROVIDE 20' LF OF TRENCH  
 TRENCHES TO BE MIN 12" DIA.  
 12" BELOW SEPTIC TANK

**Minimum Distances Required**

- House to well 30'
- House to sewage easement 20'
- House to septic tank 10'
- Well to septic tank or sewage easement 100' (or as approved by Health Department)
- Well to lot lines 10'
- Well to roads 15'
- Sewage easement to lot lines 10'

**TRENCHES**

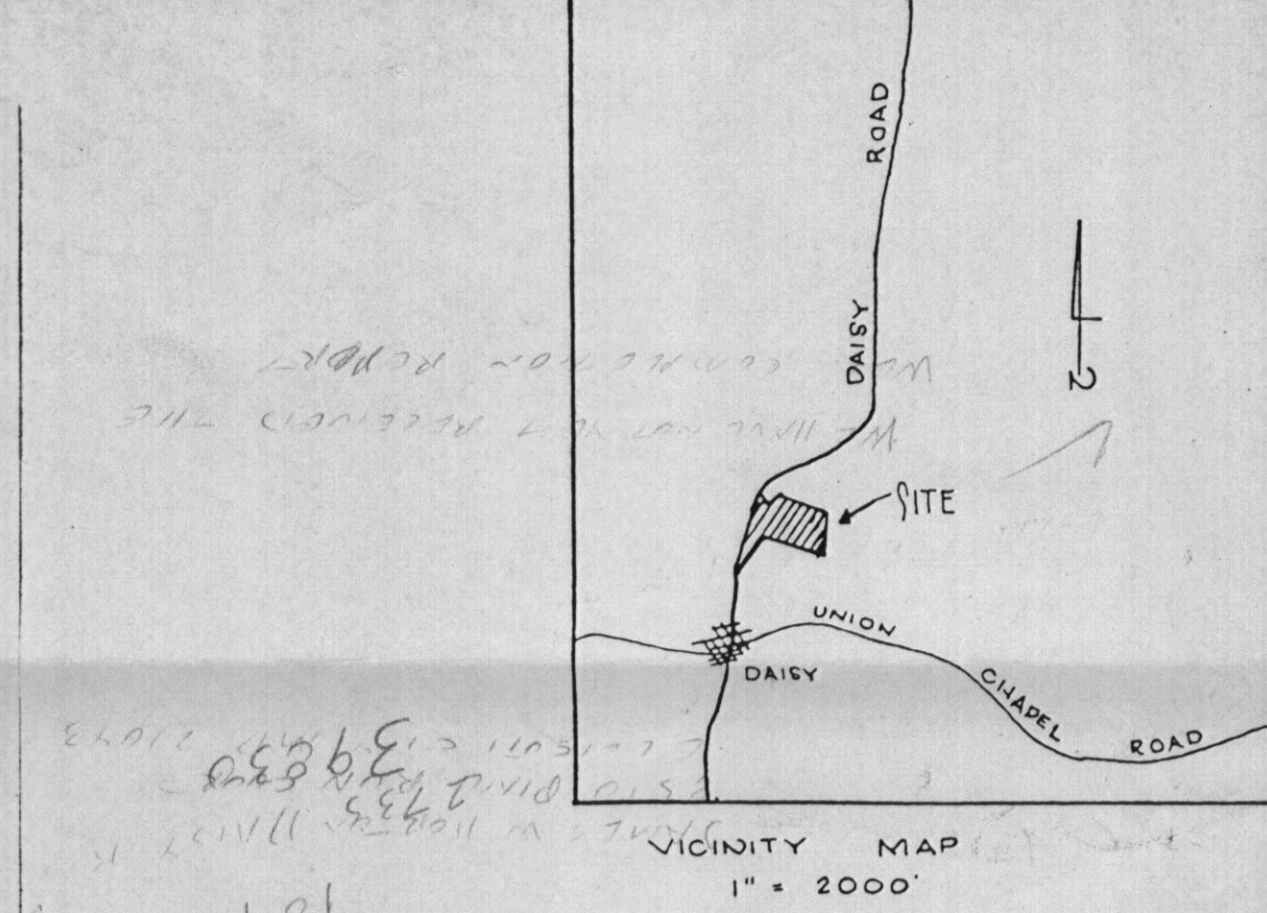
Trench to be 2 wide. 210 sq. ft./bedroom  
 Inlet 4 feet below original grade.  
 Bottom maximum depth 8 feet below original grade.  
 Effective area begins at 4 feet below original grade.  
4 feet of stone below distribution pipe.

- NOTE:
- No trench to exceed 100 feet in length.
  - If more than one trench used, a distribution box is required.
  - Trenches to be installed on level ground.
  - Call for inspection of trench before gravel is installed.
  - Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: STARTING FROM THE FRONT LEFT LOT CORNER, START THE FIRST TRENCH 80' DOWN THE LEFT (251.45') LOT LINE AND 115' OFF THIS SAME LOT LINE. RUN TRENCHES ON CONTOUR TOWARD REAR OF LOT.

HD7191

REVISED MR 4/9/91  
 MR 9/1/91



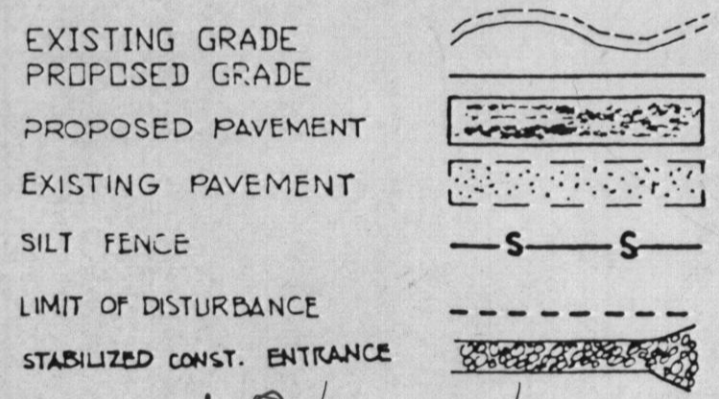
**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.
- CONTACT HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION AT (301) 792-7272 24HRS BEFORE STARTING WORK.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATE.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL VOLUME IV. STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE THE COPY OF VOLUME IV IN THE JOB.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE.
- ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1984 EDITION.

**SEQUENCE OF CONSTRUCTION:**

- OBTAIN GRADING PERMIT.
- INSTALL ALL SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN.
- STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH HOWARD COUNTY SOIL CONSERVATION REQUIREMENT.

**LEGEND:**



10/22/91  
 PLANS OK  
 RH

Scale: 1" = 50'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
CHIEF, LAND DEVELOPMENT DIVISION	DATE
CHIEF, BUREAU OF HIGHWAYS	DATE
CHIEF, BUREAU OF ENGINEERING	DATE

**oria engineering inc.**  
 CONSULTING ENGINEERS • LAND PLANNERS • SURVEYORS  
 3230 BETHANY LANE, SUITE 4  
 ELLICOTT CITY, MARYLAND 21043  
 TEL (301) 465-0400

These plans have been reviewed for the Howard Soil Conservation district and meet the technical requirements for soil and sediment control

U.S. Soil Conservation Service \_\_\_\_\_ date  
 These plans for soil and sediment control meet the requirements of the Howard Soil Conservation District.  
 Howard Soil Conservation District \_\_\_\_\_ date

**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 and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District.

*Michael A. Davis*  
 SIGNATURE OF ENGINEER  
 10-26-90  
 DATE

**DEVELOPER'S/BUILDER'S CERTIFICATE**

I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of Natural Resources Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.

*Leonard M. Palmer*  
 BUILDER/DEVELOPER  
 DATE

**PALMER PROPERTY**

TAXM 13 PARCEL 178 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**DRIVEWAY PLAN, GRADING PLAN AND SEDIMENT CONTROL PLAN, SOIL MAP**

owner: MR. LEONARD M. PALMER  
 2725 DAISY ROAD  
 WOODBINE, MD. 21797

SCALE: 1"=50'	DATE:	SHEET NO. 1 of 3
DESIGNED:	DRAWN:	CHECKED: