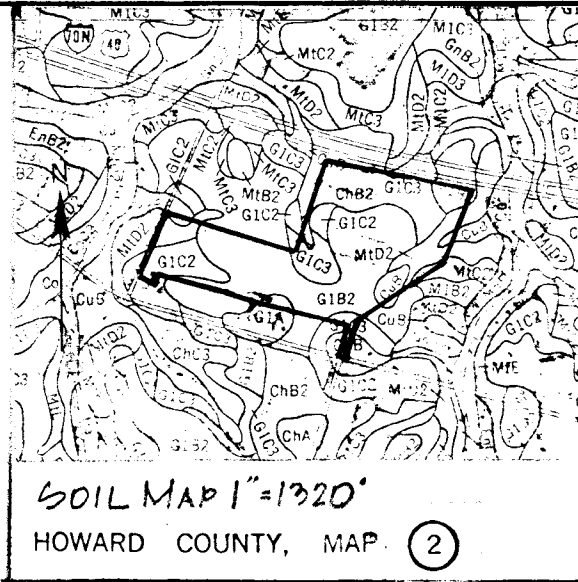
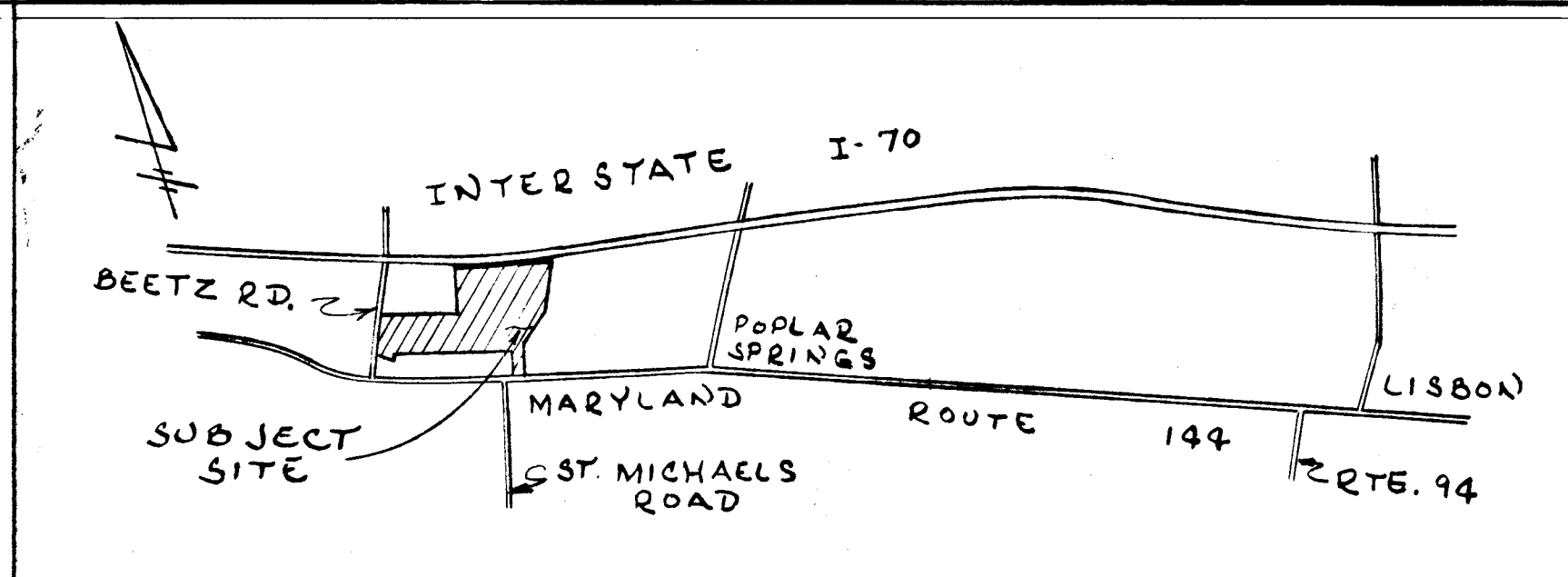


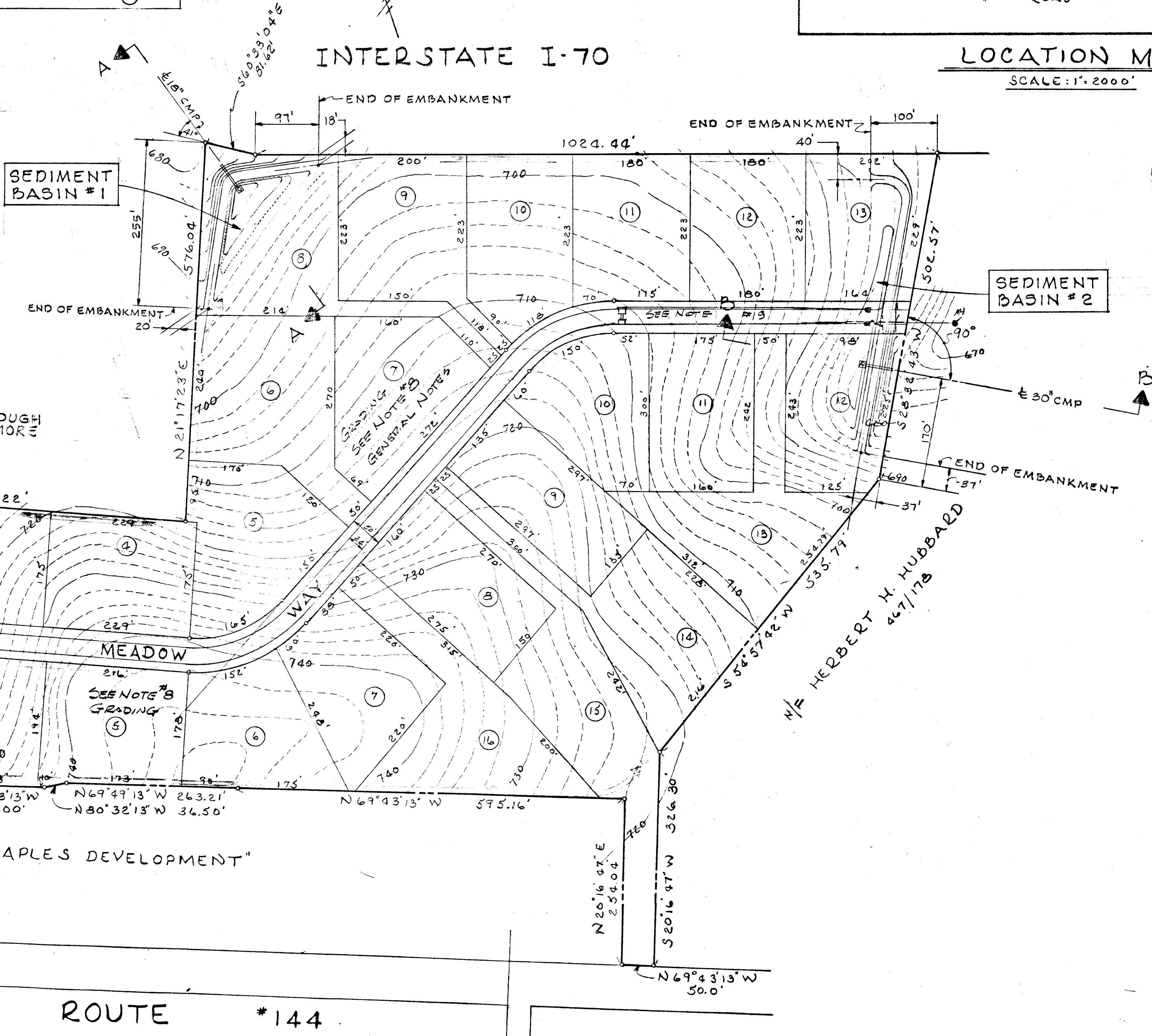
DRAINAGE AREA MAP  
SCALE: 1" = 200'



SOIL MAP 1" = 1920'  
HOWARD COUNTY, MAP 2



LOCATION MAP  
SCALE: 1" = 2000'



BEDIMENT TRAP #1

BEDIMENT TRAP #2

BEDIMENT BASIN #2

THE REV. FRANCIS B. KEOUGH  
ARCHBISHOP OF BALTIMORE  
316/98

"TWIN MAPLES DEVELOPMENT"

MARYLAND ROUTE #144

ST. MICHAELS ROAD

**ENGINEER'S CERTIFICATION**  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL & WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*[Signature]* R55431 4/2/79  
(SIGNATURE) EDWIN J. KIRBY, JR. (DATE)

**EDWIN J. KIRBY AND ASSOCIATES**  
PROFESSIONAL LAND SURVEYORS  
22 NORTH COURT STREET  
WESTMINSTER, MARYLAND 21157  
(301) 848-2821  
Note: Based on Plans Prepared by  
Spellman, Larson and Associates, Inc.

**DEVELOPERS CERTIFICATION**  
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT & PLAN FOR EROSION & SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.  
H. CARNIE FEY FOGLE, INC.  
*[Signature]* 4/2/79  
(SIGNATURE) (DATE)

Dept Public Works  
Bur. Engineering  
WCA Albert 5-24-79  
REVIEWED FOR HOWARD S.C.D.  
AND MEETS TECHNICAL REQUIREMENTS  
*[Signature]* 5/24/79  
U.S. SOIL CONSERVATION SERVICE (DATE)

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
APPROVED: *[Signature]* DATE: 5-24-79  
HOWARD S.C.D.

**GRADING & SEDIMENT CONTROL PLAN**  
"RITZ ESTATES"  
4TH ELECTION DISTRICT HOWARD CO., MARYLAND  
SCALE: 1" = 100' MARCH 23, 1979  
TAX MAP NO. 7, PARCEL NO. 147  
SHEET 5 OF 6

**CERTIFICATION**

THIS PLAN FOR EROSION AND SEDIMENT CONTROL MEASURES IS A PRACTICAL WORKABLE PLAN BASED ON THE ENGINEER'S PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

EDWIN J. KIRBY JR. R.S. 5481

4-2-79  
Date

Dept. Public Works  
Div. of Engineering  
W.O.P. 166 5-24-79

**DEVELOPER'S CERTIFICATION**

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT & PLAN FOR EROSION & SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

H. CARL FRY, P.E., Inc.  
By: *H. Carl Fry*  
H. CARL FRY, P.E.  
4/2/79  
Date

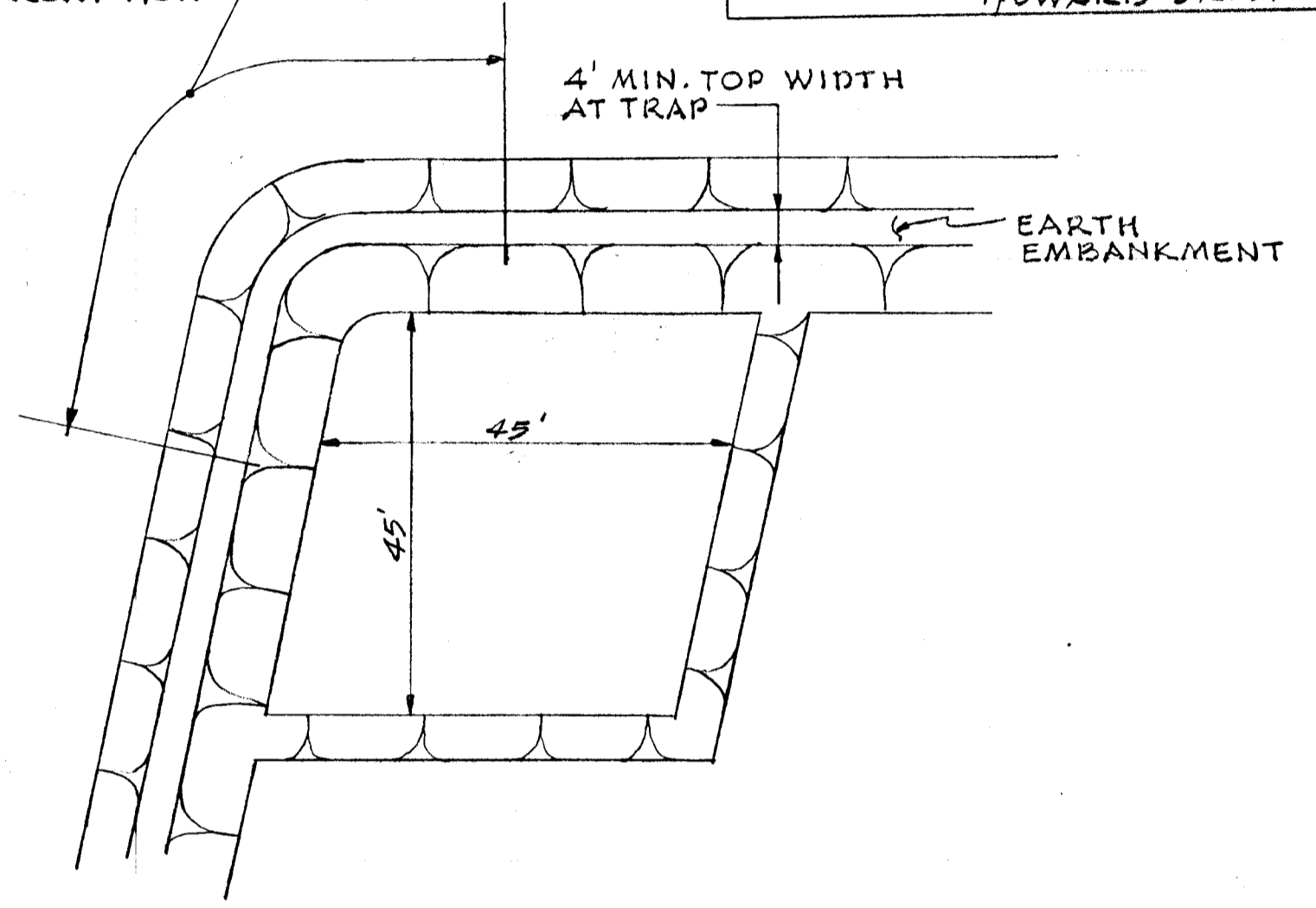
**REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS**

C. Wayne Ray  
5/24/79  
DATE

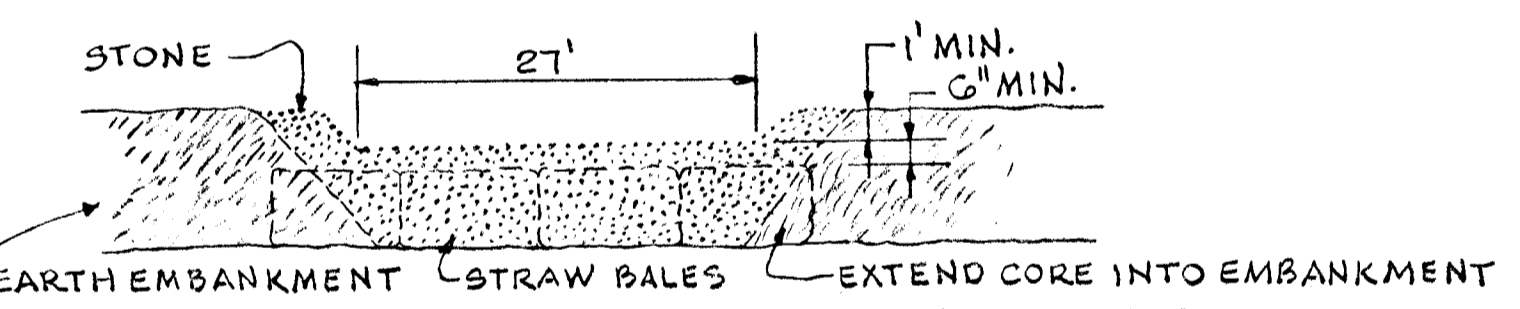
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED: *Wes Earl*  
HOWARD S.C.D.  
Date: 5-24-79

27" STONE OUTLET - SEE FRONT VIEW



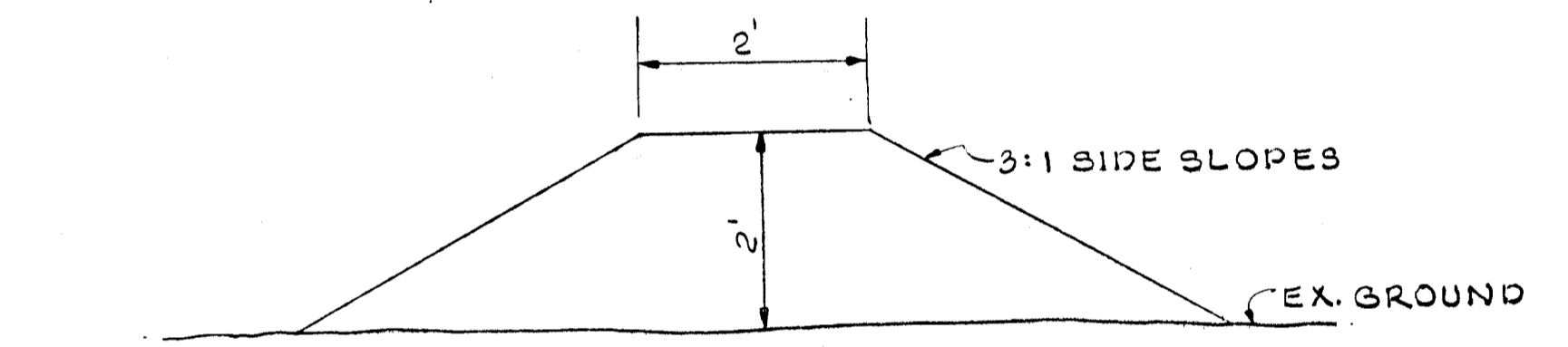
**STONE OUTLET SEDIMENT TRAP  
PLAN VIEW**  
NO SCALE



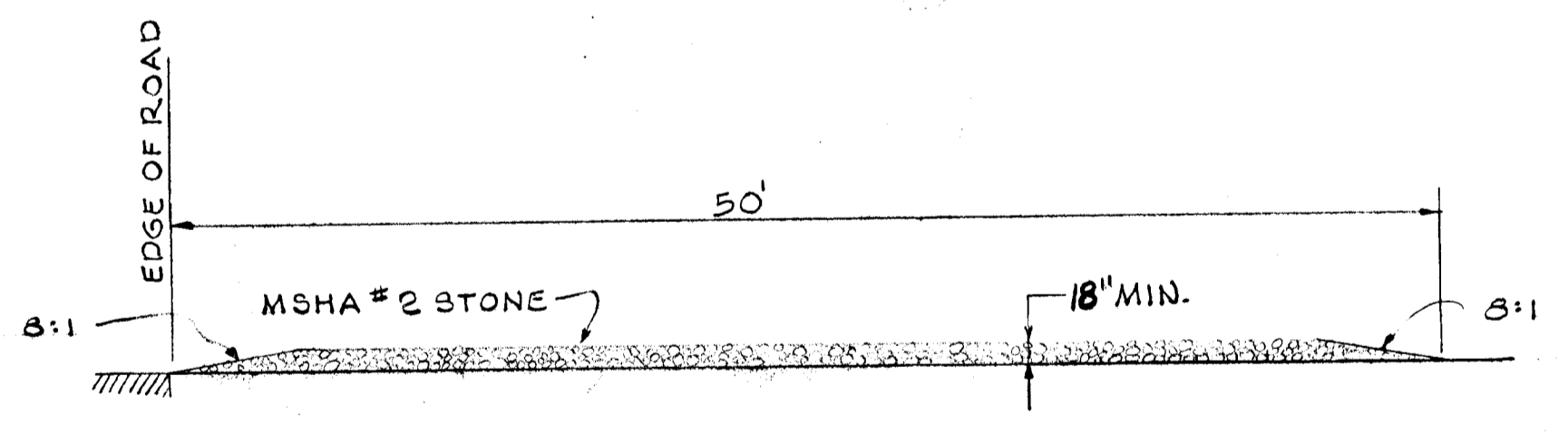
**STONE OUTLET SEDIMENT TRAP  
FRONT VIEW**  
NO SCALE

**DESIGN COMPUTATIONS**

TRAP NO. 1	TRAP NO. 2
AREA = 4.1 ACRES	AREA = 4.5 ACRES
VOLUME REQ'D. = 1800 x 4.1 = 7380 FT. <sup>3</sup>	VOLUME REQ'D. = 1800 x 4.5 = 8100 FT. <sup>3</sup>
VOLUME PROVIDED = 45 x 45 x 4' = 8100 FT. <sup>3</sup>	VOLUME PROVIDED = 45 x 45 x 4' = 8100 FT. <sup>3</sup>
BOTTOM OF TRAP ELEV. = 670.0	BOTTOM OF TRAP ELEV. = 630.0
CLEANOUT ELEV. = 672.0	CLEANOUT ELEV. = 632.0



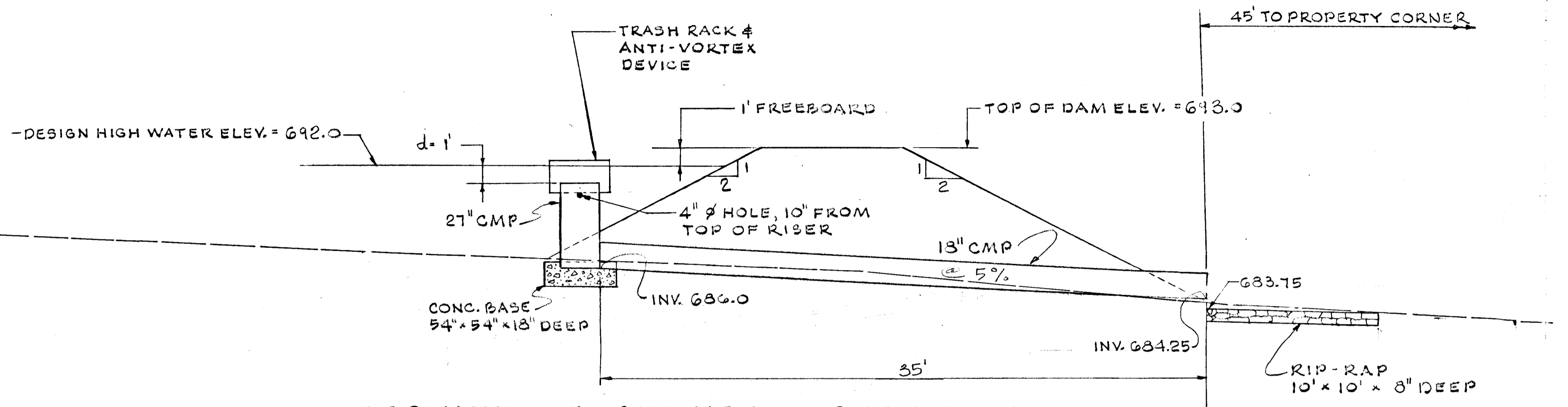
**PERIMETER DIKE**  
NO SCALE



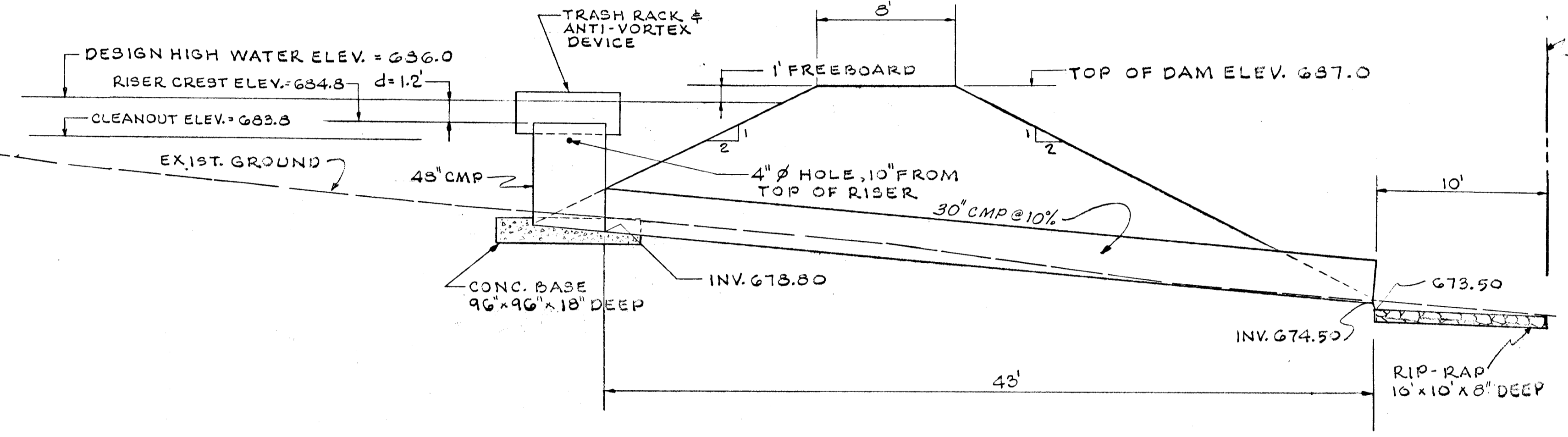
**STABILIZED CONSTRUCTION ENTRANCE**  
NO SCALE

**GENERAL NOTES**

- REFER TO USDA - SOIL CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
- ALL SEDIMENT CONTROL WORK IS TO BE COMPLETED AS THE FIRST PHASE OF CONSTRUCTION.
- AT THE END OF EACH WORKING DAY ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
- ALL SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT, AND SHALL ONLY BE REMOVED WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR.
- ALL DENUDED AREAS ARE TO BE SOODED AND/OR SEEDED IMMEDIATELY AFTER THE GRADING OPERATION IS COMPLETED.
- REFER TO THE SITE PLAN FOR THIS PROJECT FOR GENERAL DEVELOPMENT INFORMATION PERTINENT TO THIS PROJECT.
- DURING THE LAYOUT OF SEDIMENT CONTROL PRACTICES REQUIRED ON THIS PLAN, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE ARREST AND CONTROL OF ANY SEDIMENT BEFORE IT LEAVES THE CONSTRUCTION SITE. CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL BY THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
- ALL ROAD FRONTAGE LOTS TO BE GRADED FROM ROADWAY TO MINIMUM BUILDING LINE AT A SLOPE OF 3:1 OR FLATTER, AT DIRECTION OF ENGINEER IN FIELD.
- ALL STORM DRAIN INLETS TO BE BLOCKED UNTIL CONTRIBUTING AREAS ARE STABILIZED.



**SEDIMENT BASIN NO. 1 - SECTION A-A**  
SCALE: 1" = 5'



**SEDIMENT BASIN NO. 2 - SECTION B-B**  
SCALE: 1" = 5'

**GROUND COVER SPECIFICATIONS**

THE ENTIRE FILL AREA & ANY AREAS DENUDED DURING THE GRADING OPERATION WILL BE STABILIZED USING THE FOLLOWING SPECIFICATIONS

- SEEDING MIXTURE TO BE 100% KENTUCKY 31 FESCUE GRASS. SEED AT THE RATE OF 2 LB./1000 #.
- FERTILIZER IS TO BE 10-10-10 FERTILIZER, WHICH IS TO BE APPLIED AT THE RATE OF 25 LB./1000 #.
- LIME IS TO BE APPLIED AT THE RATE OF 50 LB./1000 #.
- THE SEEDING AREA IS TO BE LOOSENEED TO A DEPTH OF 2'-3' BEFORE APPLYING THE LIME AND FERTILIZER TO ALLOW FOR PENETRATION OF THESE MATERIALS.
- THE SEEDED AREA IS TO BE COVERED BY MULCHING AT THE RATE OF 90 LB./1000 # TO PROPERLY PROTECT THE SEEDED AREA.

**SEQUENCE OF OPERATIONS**

- NOTIFY HOWARD COUNTY DEPARTMENT OF PERMITS AND LICENSES, SEDIMENT CONTROL INSPECTOR, AT LEAST 48 HOURS BEFORE ANY WORK BEGINS.
- INSTALL AND STABILIZE ALL SEDIMENT CONTROL MEASURES. 7 DAYS
- CLEAR AND GRUB SITE AND STOCKPILE TOPSOIL. 3 DAYS
- ROUGH-GRADE SITE. 10 DAYS
- FINE-GRADE AND PLACE SUB-BASE ON ALL STREETS AND PARKING LOTS. 5 DAYS
- STABILIZE ALL DISTURBED AREAS OUTSIDE OF THE PAVED AREAS. 3 DAYS
- REMOVE TEMPORARY SEDIMENT CONTROL MEASURES AND STABILIZE AREA AFTER OBTAINING PERMISSION FROM SEDIMENT CONTROL INSPECTOR.

**GRADING AND SEDIMENT CONTROL PLAN**

**RITZ ESTATES**

4TH ELECTION DISTRICT  
SCALE: 1" = 100'

HOWARD CO., MD.  
MARCH 22, 1979

TAX MAP NO. 7, PARCEL NO. 147  
SHEET 6 OF 6

