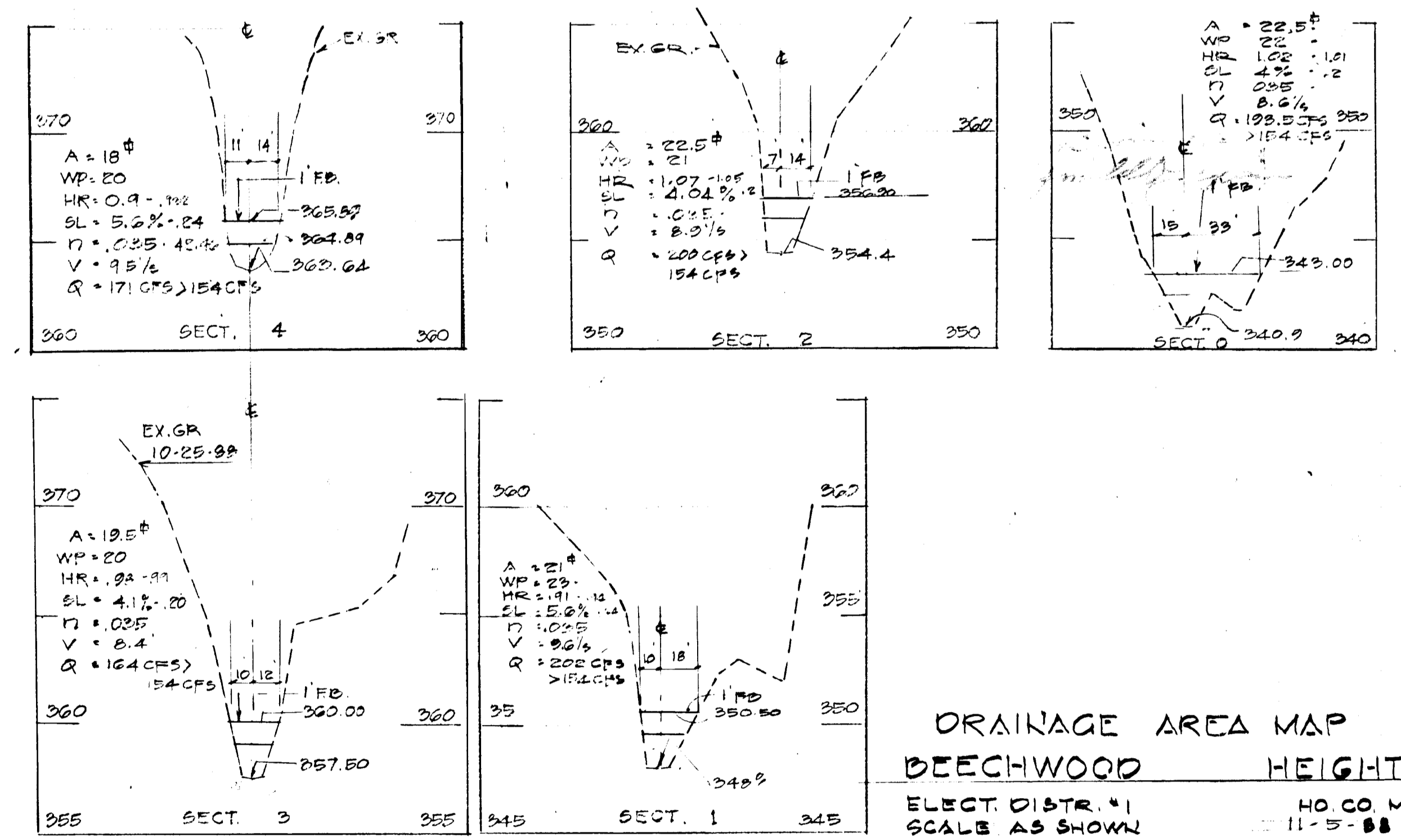


DESIGN PT. A  
 D.A. = 41.49 AC.S  
 C (100) = .39  
 T<sub>100</sub> = 1.84  
 S<sub>100</sub> = 9.5  
 Q<sub>100</sub> = 154 CFS

DRAINAGE AREA MAP  
 SCALE: 1" = 200'

SECTIONS 100YR FLOOD PLAN

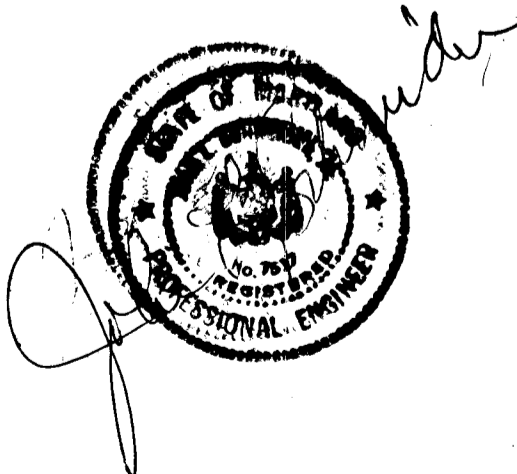
SCALE: HOR. 1" = 50'  
 VERT. 1" = 5'



DRAINAGE AREA MAP  
 BEECHWOOD HEIGHTS  
 ELECT. DISTR. #1 HO. CO. MD.  
 SCALE AS SHOWN 11-5-88

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 Approved: *[Signature]*  
 HOWARD S.C.D.  
 MD.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 5/29/89  
 Chief, Land Development Division  
*[Signature]* 6/1/89  
 Chief, Bureau of Highways  
*[Signature]* 6-6-89  
 Chief, Bureau of Engineering  
 APPROVED: OFFICE OF PLANNING AND ZONING  
*[Signature]* 6-1-89  
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT



9746



These specifications are applicable to ponds within the scope of the State for practice 218.

**1. SITE PREPARATION**

Areas designated for borrow areas, subsoil, and structural work shall be cleared, grubbed and scraped of stumps. All trees, saplings, and other objectionable material shall be removed. Channel banks and other banks shall be cleared to a minimum of 10' from the channel.

Areas to be covered by the pond or reservoir will be cleared of all trees, logs, fence, stumps and other objectionable material unless otherwise designated on the plan. Trees, brush and stumps shall be removed to a level with the ground surface.

All cleared and grubbed material shall be stored on-site and kept in piles of 10' high and 10' wide. The material shall be covered with a tarp or other suitable material to prevent erosion. The material shall be used as directed by the owner or his representative. The material shall be used in a suitable location for use on the subsoil and other designated areas.

**2. FILL**

The fill material shall be taken from approved designated borrow areas or pits. The fill material shall be placed in 8-inch maximum thickness layers and compacted to 95% relative compaction. The fill material shall be placed in a suitable location for use on the subsoil and other designated areas. The fill height shall be as shown on the plan.

**3. SUBSOIL**

Based on field tests as the owner shall be provided with a plan of fill. The fill material shall be placed in 8-inch maximum thickness layers and compacted to 95% relative compaction. The fill material shall be placed in a suitable location for use on the subsoil and other designated areas. The fill height shall be as shown on the plan.

**4. DEMARCATION**

The amount of the building and appurtenant equipment over the fill shall be limited to that which the owner shall be provided with a plan of fill. The fill material shall be placed in 8-inch maximum thickness layers and compacted to 95% relative compaction. The fill material shall be placed in a suitable location for use on the subsoil and other designated areas. The fill height shall be as shown on the plan.

**5. SUBSOIL**

Based on field tests as the owner shall be provided with a plan of fill. The fill material shall be placed in 8-inch maximum thickness layers and compacted to 95% relative compaction. The fill material shall be placed in a suitable location for use on the subsoil and other designated areas. The fill height shall be as shown on the plan.

**6. SUBSOIL**

Based on field tests as the owner shall be provided with a plan of fill. The fill material shall be placed in 8-inch maximum thickness layers and compacted to 95% relative compaction. The fill material shall be placed in a suitable location for use on the subsoil and other designated areas. The fill height shall be as shown on the plan.

SEE SHEET 7 OF 7 FOR OLD POND CONFIGURATION AND TOPOGRAPHY

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

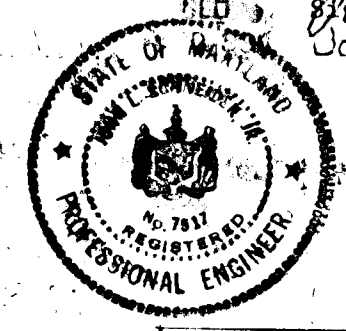
*Robert W. Zwick* 5/16/89  
U.S. Soil Conservation Office Date

*John L. Schneider* 5/16/89  
Howard Soil Conservation District Date

( ) By the Developer:

"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

*John Powers* 5/10/89  
Signature of Developer Date  
JOHN POWERS



NO	TYPE	INVT. IN	INVT. OUT	TOP EL.	STAT.	REMARKS
I-1	TYPE A-10 INLET	374.50	393.23	399.23	EST. 0.455	HO. CO. STD. S.D. 4.0E
I-2	TYPE A-10 INLET	374.00	393.78	399.49	EST. 0.460	HO. CO. STD. S.D. 4.0E
I-3	TYPE A-10 INLET	-	401.28	406.98	EST. 2.000	HO. CO. STD. S.D. 4.0E
M-1	48 STD. MH	370.00	369.29	369.29	NA	STD. MH HO. CO. C. 5.03
S-1	CONC. END SECT	365.00	365.00	365.00	NA	HO. CO. STD. S.D. 5.5E
M-2	48 STD. MH	369.29	369.29	369.29	NA	STD. MH HO. CO. C. 5.03
M-1	48 STD. MH	369.29	369.29	369.29	NA	STD. MH HO. CO. C. 5.03

NOTE: ALL WORK AND MATERIALS SHALL BE DONE ACCORDING TO HO. CO. STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION

By the Engineer:

"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."

*John L. Schneider* 5/3/89  
Signature of Engineer Date  
JOHN L. SCHNEIDER



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James W. Woodard* 5/15/89  
Chief, Land Development Division Date

*William W. Woodard* 6/15/89  
Chief, Bureau of Highways Date

*William W. Woodard* 6/15/89  
Chief, Bureau of Engineering Date

APPROVED: OFFICE OF PLANNING AND ZONING

*Rashle S. Taylor* 6/15/89  
CHIEF DIVISION OF COMMUNITY, PLANNING AND LAND DEVELOPMENT.

STORM DRAIN PLAN AND PROFILES  
BEECHWOOD HEIGHTS  
LOTS 1 THROUGH 6

1ST DIST. HO. CO. MO  
SCALE AS SHOWN 8-1-88

OWNER: HERITAGE HOMES  
8950 RT. 108  
COLUMBIA MD 21045  
301-997-4439

ENGINEERS:  
LAND DEVELOPMENT CONSULTANTS  
10 BRAKLEAF CT.  
BALTO. MD. 21228  
788-1733

ASBUILT  
NOV. 8, 1995

RECORD OF SUBSURFACE EXPLORATION

Project: Beechwood Heights  
Client: Heritage Homes, Inc.  
Location: Howard County, Maryland  
Inspector: Arny Albrecht

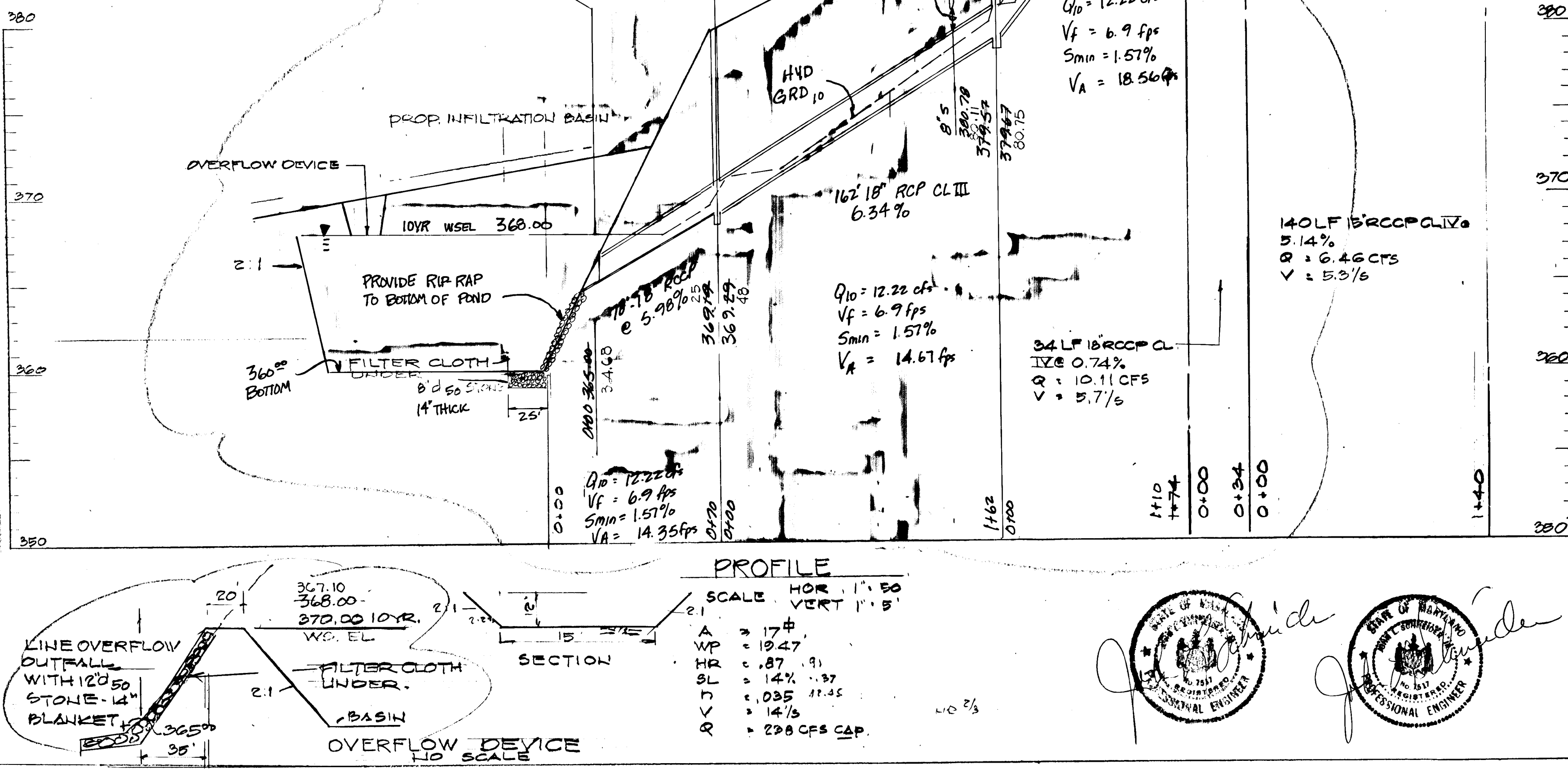
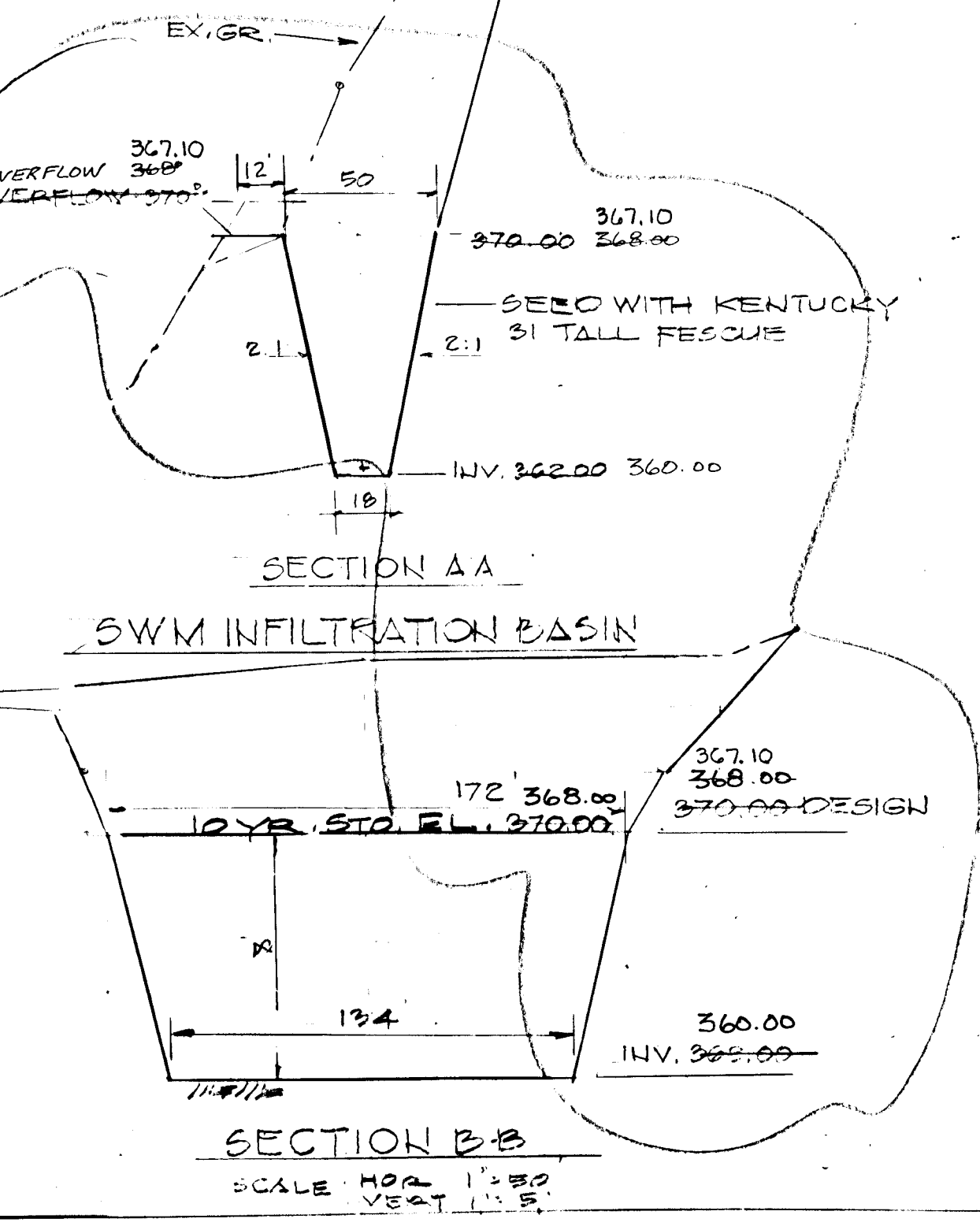
Depth (feet)	Sample No.	Depth (feet)	Description of Materials	Remarks
1	1	2.0	Brown, dry to moist, fine to coarse sandy silt (SM-SL), trace to little clay, trace green, - hard extended to a depth of 25 ft below site grade: Shallow boulders very common.	
2	2	7.0	Gray and brown, moist, fine to coarse sandy silt (SM-SL) (trace to little clay, trace green).	
3	3	13.0	Loam/sandy loam	
4	4	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
5	5	13.0	Loam/sandy loam	
6	6	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
7	7	13.0	Loam/sandy loam	
8	8	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
9	9	13.0	Loam/sandy loam	
10	10	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
11	11	13.0	Loam/sandy loam	
12	12	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
13	13	13.0	Loam/sandy loam	
14	14	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
15	15	13.0	Loam/sandy loam	
16	16	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
17	17	13.0	Loam/sandy loam	
18	18	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
19	19	13.0	Loam/sandy loam	
20	20	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
21	21	13.0	Loam/sandy loam	
22	22	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
23	23	13.0	Loam/sandy loam	
24	24	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
25	25	13.0	Loam/sandy loam	

RECORD OF SUBSURFACE EXPLORATION

Project: Beechwood Heights  
Client: Heritage Homes, Inc.  
Location: Howard County, Maryland  
Inspector: Arny Albrecht

Depth (feet)	Sample No.	Depth (feet)	Description of Materials	Remarks
1	1	3.0	Brown, moist, silty fine to coarse sand (SM), trace silt, clay and gravel. Sand extended to a depth of 25 ft below site grade.	
2	2	3.0	Loamy sand	
3	3	9.5	Gray and black, moist, fine to coarse sandy silt (SM-SL) (trace green) and clay	
4	4	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
5	5	13.0	Loam/sandy loam	
6	6	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
7	7	13.0	Loam/sandy loam	
8	8	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
9	9	13.0	Loam/sandy loam	
10	10	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
11	11	13.0	Loam/sandy loam	
12	12	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
13	13	13.0	Loam/sandy loam	
14	14	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
15	15	13.0	Loam/sandy loam	
16	16	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
17	17	13.0	Loam/sandy loam	
18	18	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
19	19	13.0	Loam/sandy loam	
20	20	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
21	21	13.0	Loam/sandy loam	
22	22	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
23	23	13.0	Loam/sandy loam	
24	24	13.0	Brown and black, moist, medium to fine silty clay to coarse silt (SM-SL) (trace green), trace boulders.	
25	25	13.0	Loam/sandy loam	

NOTE: THE VOLUME OF THE SWM POND HAS NOT BEEN REVISED FROM THE INITIAL DESIGN, THEREFORE THERE SHALL BE NO IMPACT ON THE OPERATION OF THE POND.

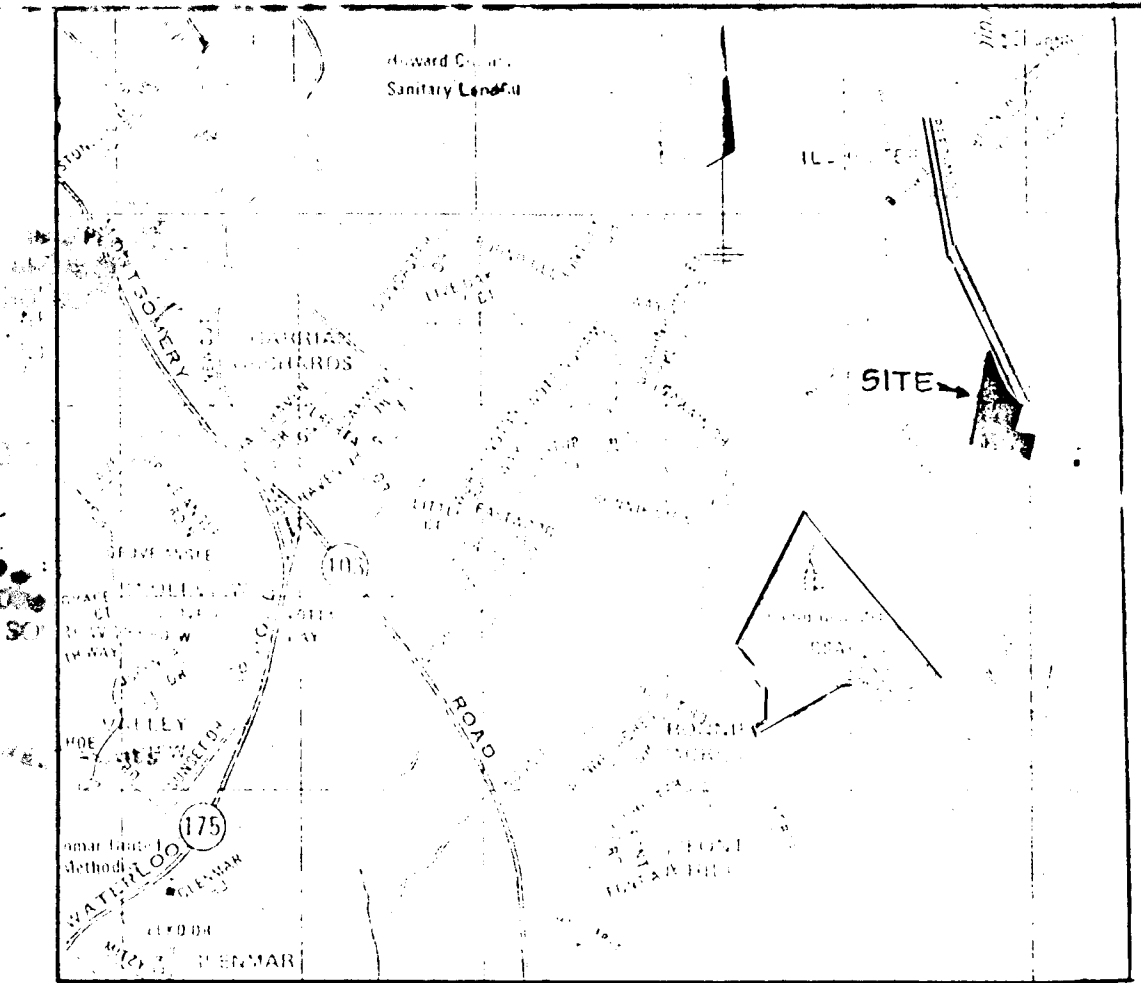




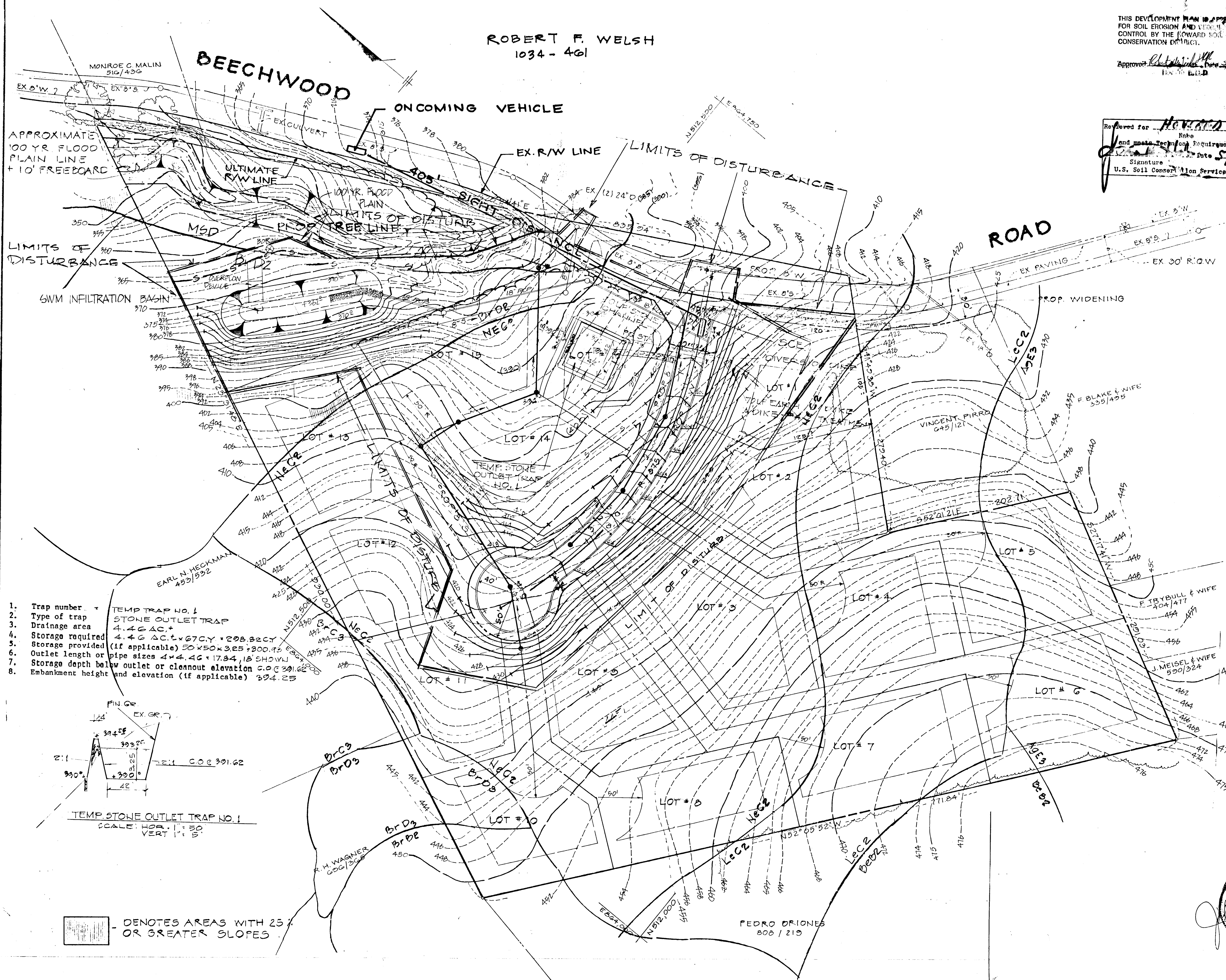
ROBERT F. WELSH  
1034 - 461

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

Approved: *[Signature]*  
Date: 5/14/89  
U.S. Soil Conservation Service



VICINITY MAP  
SCALE: 1" = 2000'



- GENERAL NOTES**
- PROPERTY ZONED "R-20" AS PER 8/2/85 COMPREHENSIVE ZONING PLAN.
  - GROSS AREA OF SUBJECT PROPERTY : 11 8151 AC.
  - AREA OF LOTS : 343,408 SF. OR 7.8836 AC. ±
  - AREA OF ROAD RIGHT-OF-WAY : 29,854 SF. OR 0.67 AC. ±
  - AREA OF OPEN SPACE : 62,717 S.F. 1.439 AC. ±
  - AREA OF FLOOD PLAIN : 7,600 SF.
  - AREA OF BUILDING LOTS : 343,408 SF OR 7.8836 AC. ±
  - TOTAL NUMBER OF BUILDING LOTS : 16
  - PUBLIC WATER AND SEWER IS PROPOSED FOR THIS SUBDIVISION FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL, AND ROAD MAINTENANCE TO BE PROVIDED AT THE JUNCTION OF FLAG OR PIPESTEM AND THE ROAD RIGHT-OF-WAY AND NOT ONTO THE FLAG OR PIPESTEM DRIVEWAY.
  - DEED REFERENCE : LIBER 368 / FOLIO 18.
  - ALL COORDINATES SHOWN ARE BASED ON THE MARYLAND STATE G. D SYSTEM AND HOWARD COUNTY POINT # 294500.
  - FOR PREVIOUS SKETCH PLAN SUBMITTED, SEE 5-07-77 & 5-98-45.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*[Signature]* 5/15/89  
Chief, Land Development Division Date

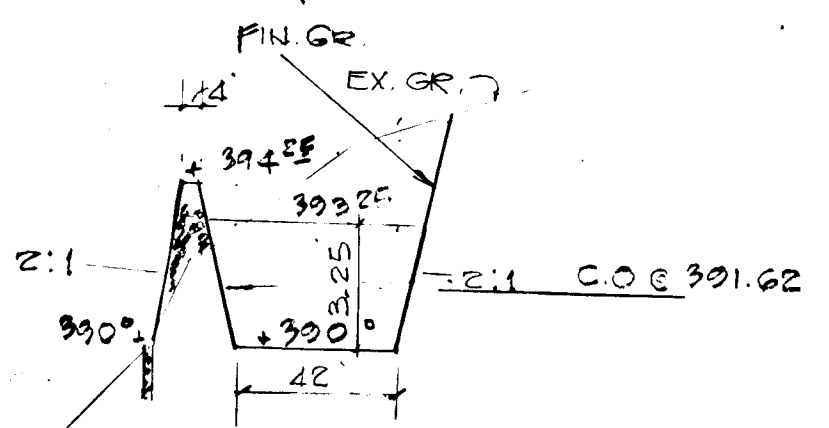
*[Signature]* 6/5/89  
Chief, Bureau of Highways Date

*[Signature]* 6-6-89  
Chief, Bureau of Engineering Date

APPROVED: OFFICE OF PLANNING AND ZONING

*[Signature]* 6/15/89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

- Trap number
- Type of trap
- Drainage area
- Storage required
- Storage provided (if applicable)
- Outlet length or pipe sizes
- Storage depth below outlet or cleanout elevation
- Embankment height and elevation (if applicable)



TEMP. STONE OUTLET TRAP NO. 1  
SCALE: HOR. 1" = 50'  
VERT. 1" = 5'

□ DENOTES AREAS WITH 25% OR GREATER SLOPES

SEDIMENT CONTROL PLAN  
AND

SOILS MAP  
BEECHWOOD HEIGHTS  
1ST ELECT. DISTR. HO. CO. MD  
SCALE: 1" = 80'  
TAX MAP 31 PARCEL 129

CONTRACT BUYER / DEVELOPER: HERITAGE HOMES INC. 8950 RT. 108 COLUMBIA MD. 21045 997-4439

ENGINEERS: LAND DEVELOPMENT CONSULTANTS 10 PRIARLEAF COURT BALTO. MD 21228 301-788-1793



REDUCE REVISIONS TO STORM DRAIN ALIGNMENT 1/29/91

F-89-81

SHEET 5 OF 7

F-89-81



**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, discing or other acceptable means before seeding. IF NOT PREVIOUSLY DONE.

**Soil Amendments:** In lieu of soil test recommendations, use one of the following schedule

- 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 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 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 of 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 8 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 reseedings.

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

**Seedbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. IF NOT PREVIOUSLY DONE.

**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 7 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 16 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 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

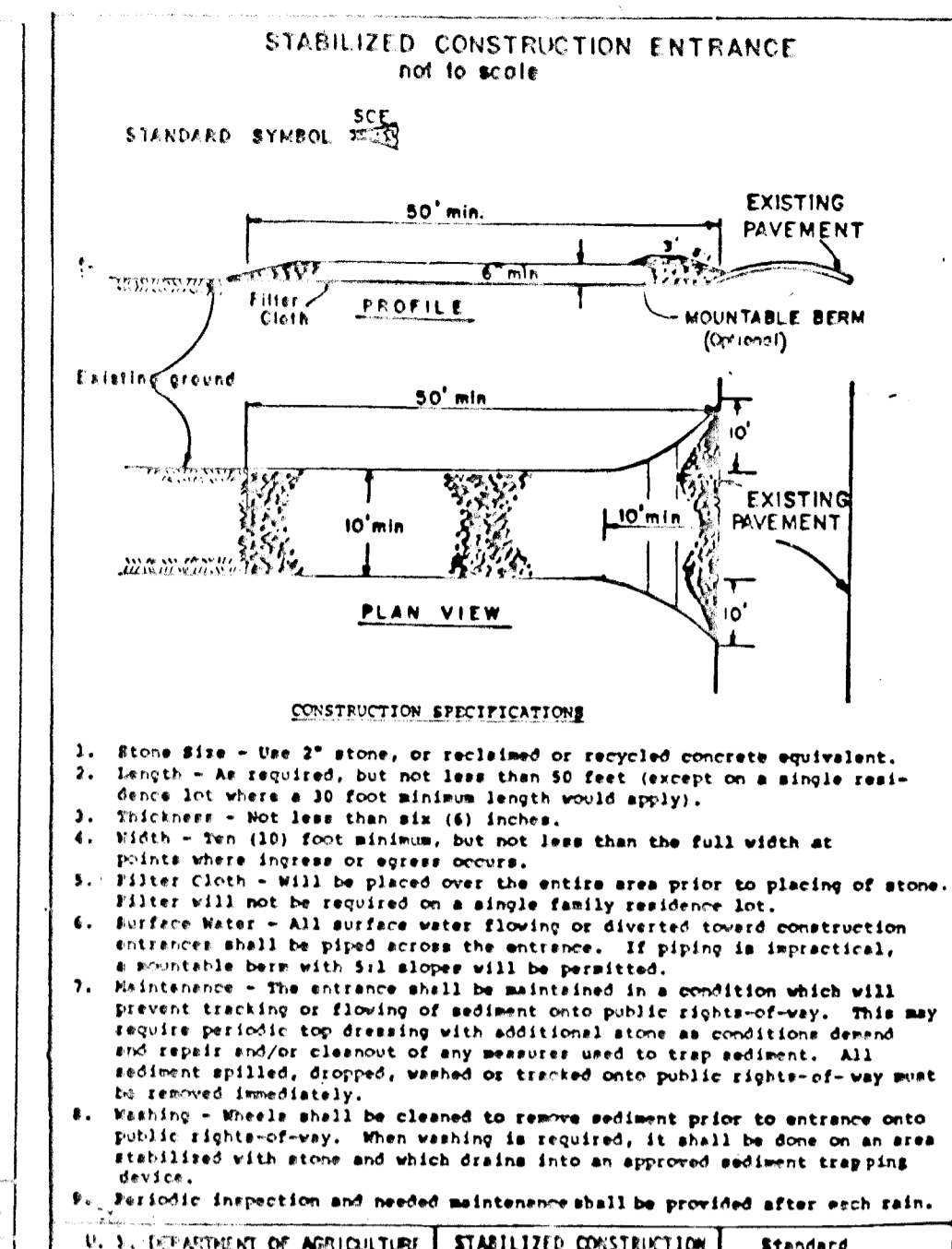
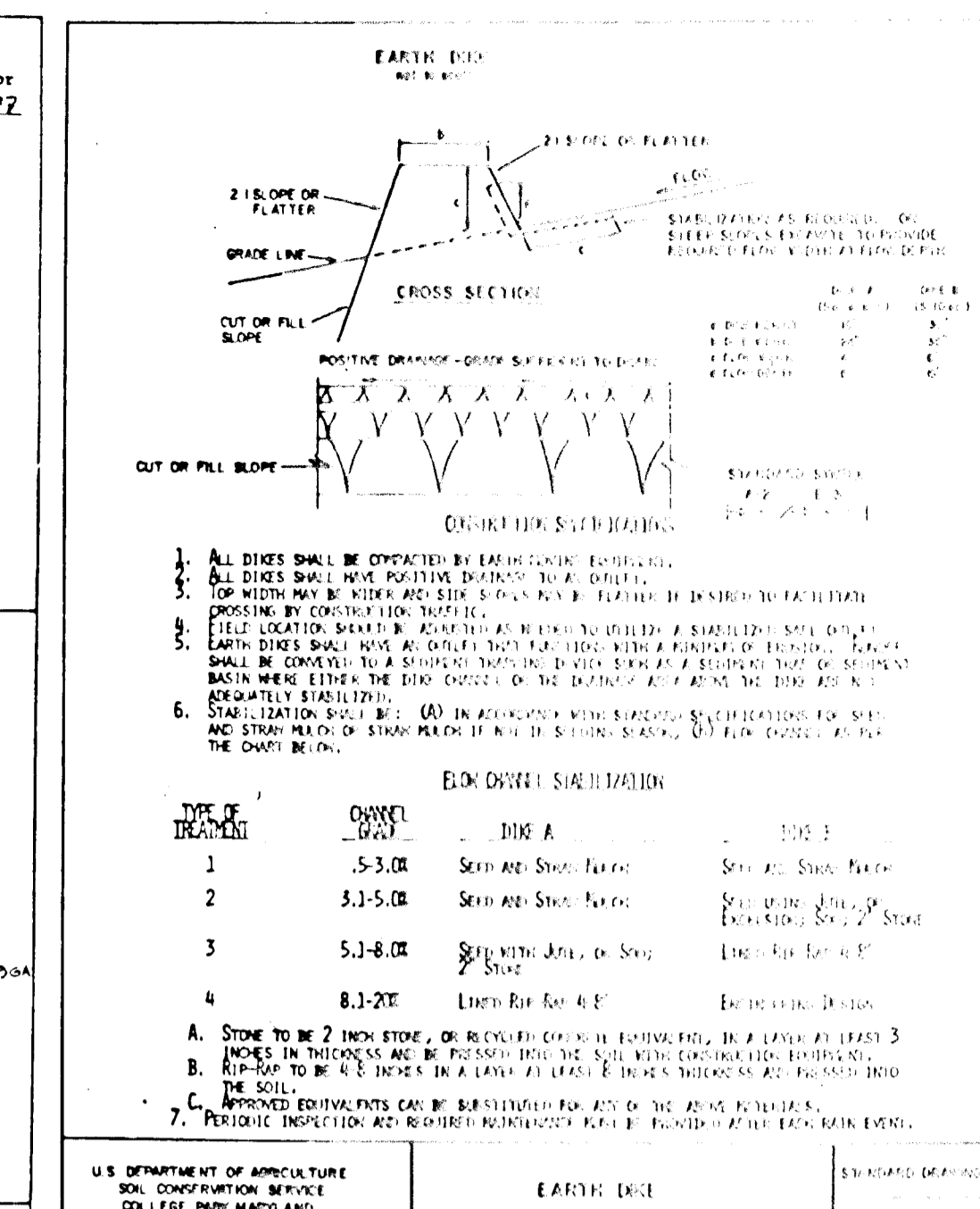
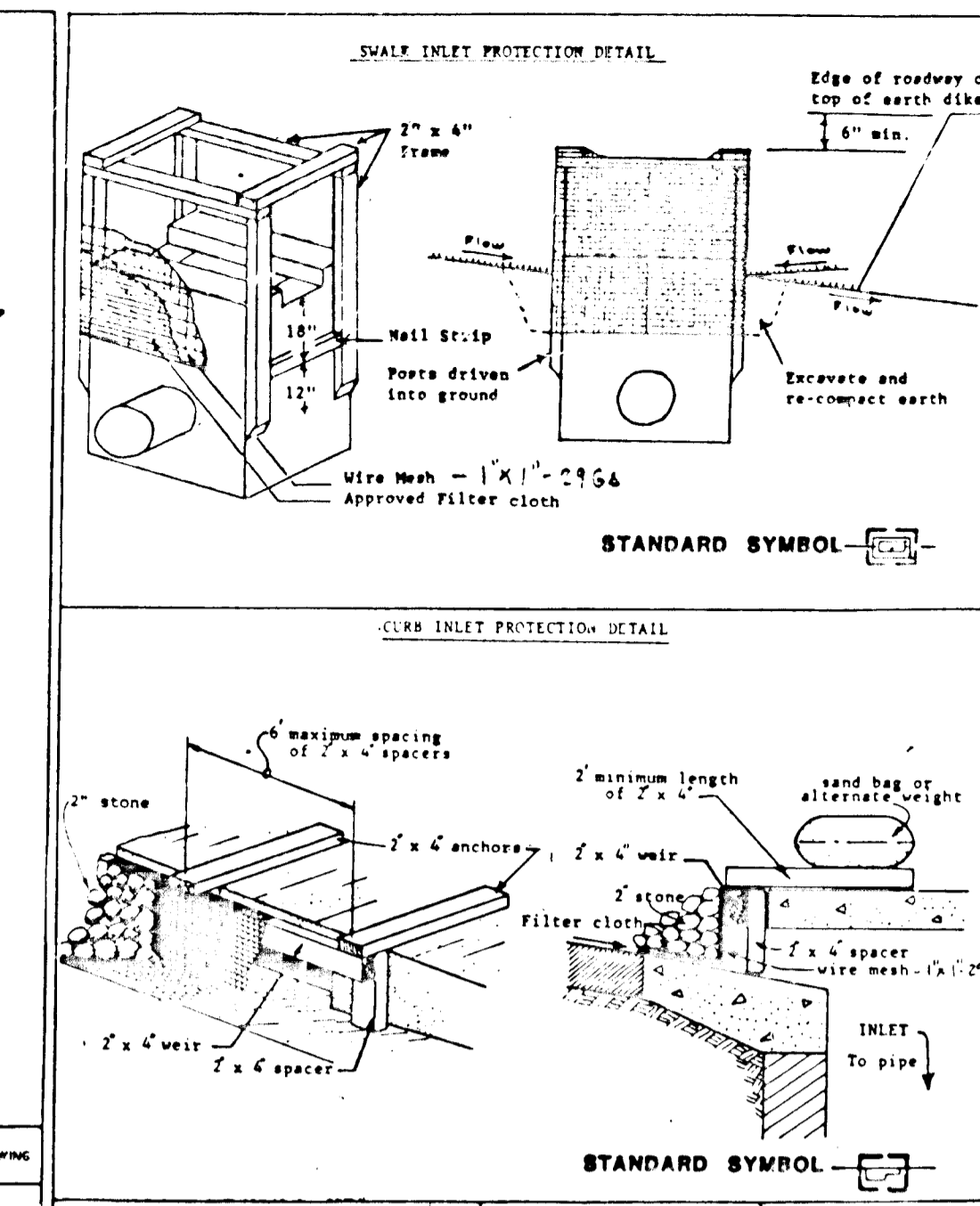
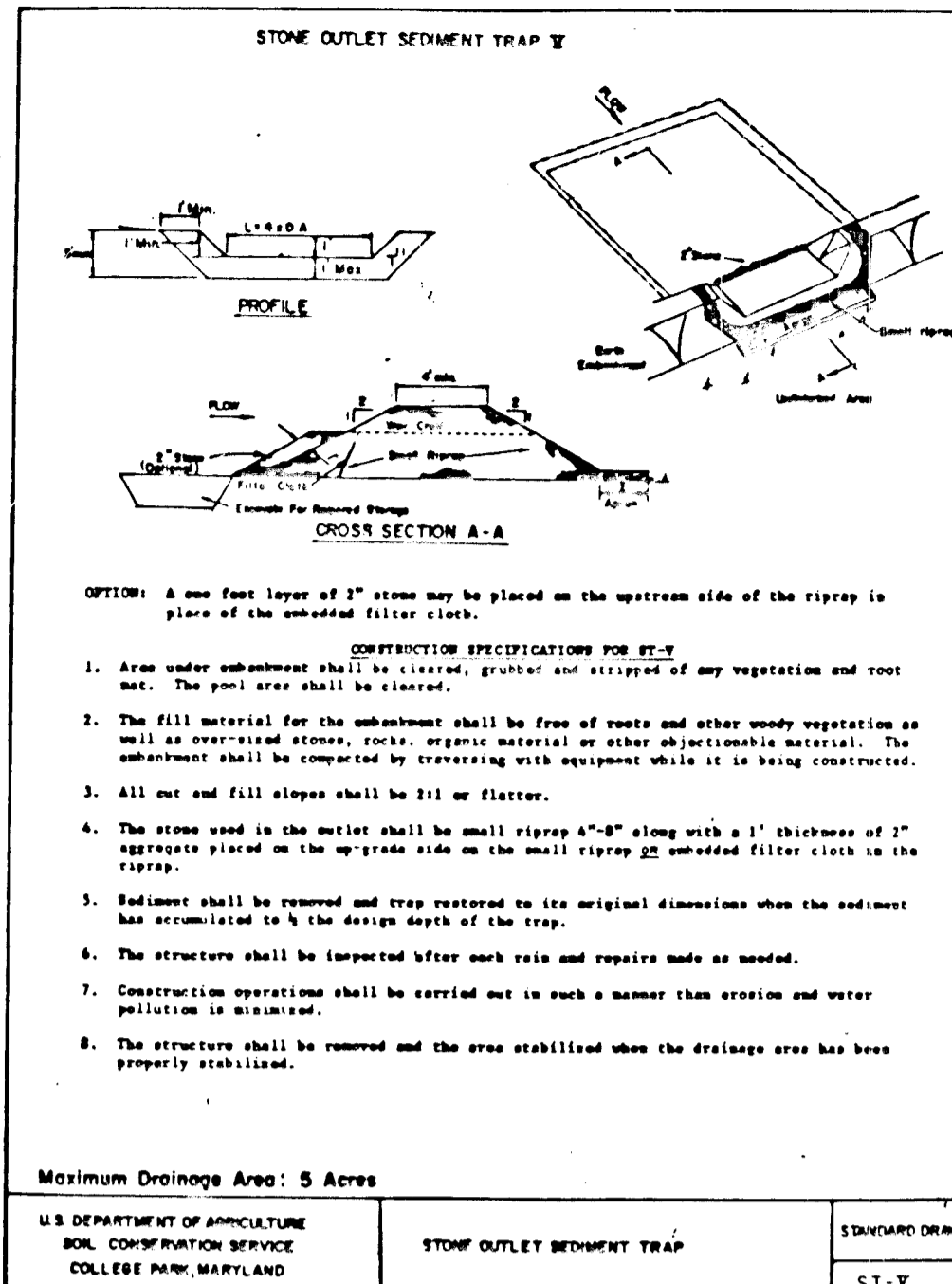
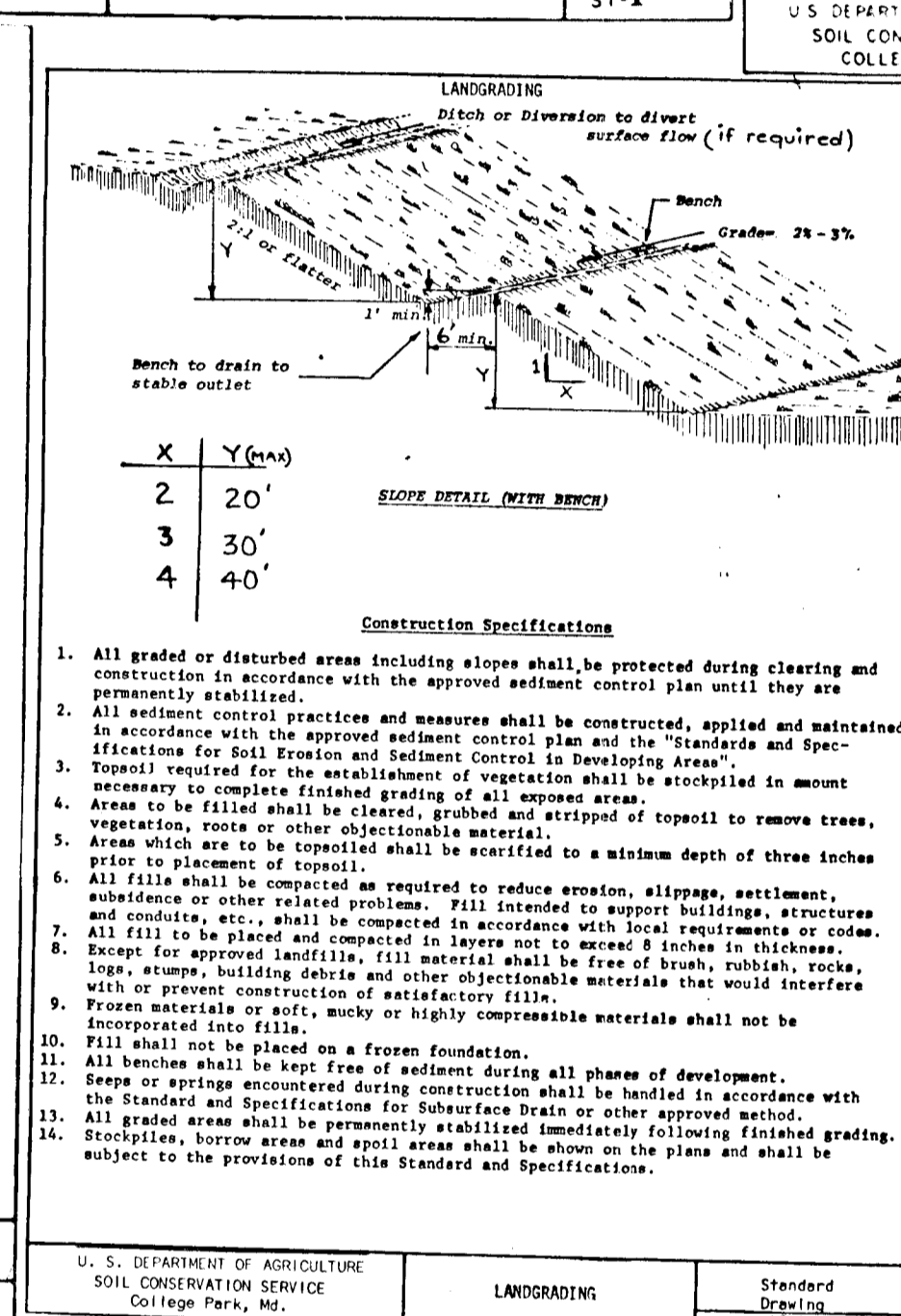
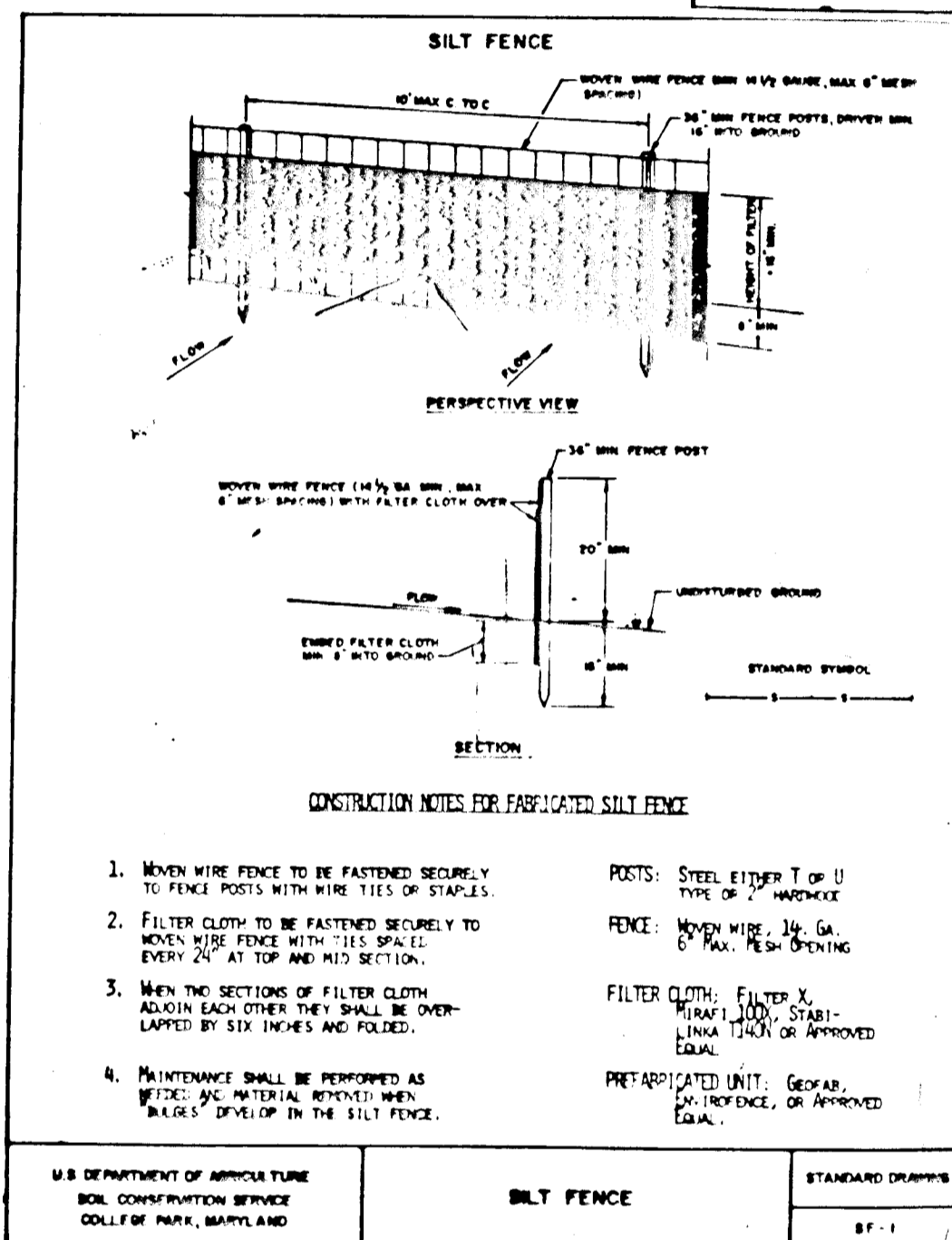
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

**SEDIMENT CONTROL NOTES**

- 1) A minimum of 74 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- 4) 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.
- 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), 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.
- 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector
- 7) Site Analysis:
 

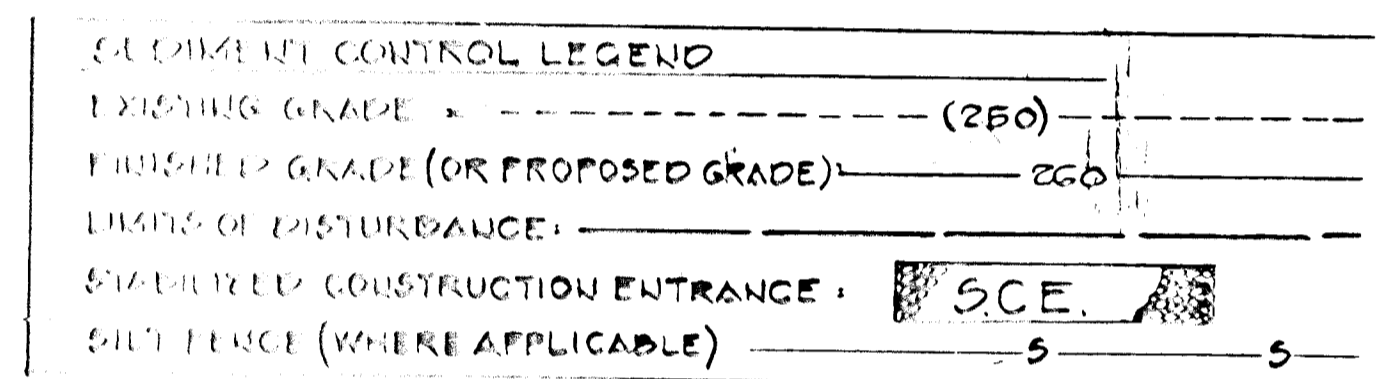
Total Area of Site	1.81 Acres
Area Disturbed	1.78 Acres
Area to be roofed or paved	0.44 Acres
Area to be vegetatively stabilized	1.34 Acres
Total Cut	7000 Cu. yds
Total Fill	0 Cu. yds
Offsite waste/borrow area location	

- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- 10) 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.



**SEQUENCE OF CONSTRUCTION - FOR ROADS & UTILITIES ONLY.**

1. OBTAIN GRADING PERMIT. 2 WEEKS.
2. CLEAR AND GRUB FOR THE INSTALLATION OF PERIMETER CONTROLS.
3. INSTALL SEDIMENT CONTROL MEASURES.
4. CLEAR AND GRUB REMAINDER OF AREA FOR ROAD AND UTILITIES.
5. ROUGH GRADE ROAD, STABILIZE AS REQUIRED.
6. INSTALL UTILITIES. COORDINATE/FULL OF STORM DRAIN WITH CONSTRUCTION OF SWM FACILITY. CONSTRUCT PERIMETER DETENTION BASIN.
7. INSTALL SUB-BASE PAVEMENT.
8. INSTALL PAVEMENT SURFACE COURSE AND CURB.
9. FINE GRADE & LAND STABILIZE AS REQUIRED.
10. AFTER FINAL INSPECTION, STABILIZE SITE AS REQUIRED. REMOVE SEDIMENT CONTROL MEASURES AFTER PERMISSION FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Chief, Land Development Division  
*Shirley W. Wainwright* 6/1/89  
Chief, Bureau of Highways

Chief, Bureau of Engineering  
*John E. C. C. C.* 6/2/89  
Chief, Bureau of Engineering

APPROVED: OFFICE OF PLANNING AND ZONING  
*Jack S. Ziegler* 6/2/89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

**SEDIMENT CONTROL DETAILS & SPECIFICATIONS**

**ELI CHWOOD HEIGHTS**  
PROJECT NO. 88-01  
SCE # 100-01  
PAR. 120

DEVELOPER/OWNER:  
ELI CHWOOD HEIGHTS, INC.  
1100 N. WASHINGTON, COLUMBIA, MD 21046  
410-343-3333

ENGINEER:  
LAND DEVELOPMENT CONSULTANTS  
100 E. BALTIMORE COURT  
BETHESDA, MD 20814  
750-1750

( ) Provide the following certification blocks on sediment control plans:

( ) By the Developer:

"I/We certify that all development and construction will be done according to this plan, and 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 and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

*John Brown* 5/10/89  
Signature of Developer  
Date

( ) By the Engineer:

"I certify that this plan for erosion and sediment control represents a practical and 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."

*John L. Connor* 5/16/89  
Signature of Engineer  
Date

Reviewed for HOWARD S.C.D. and meet Technical Requirements  
U.S. Soil Conservation Service  
Date

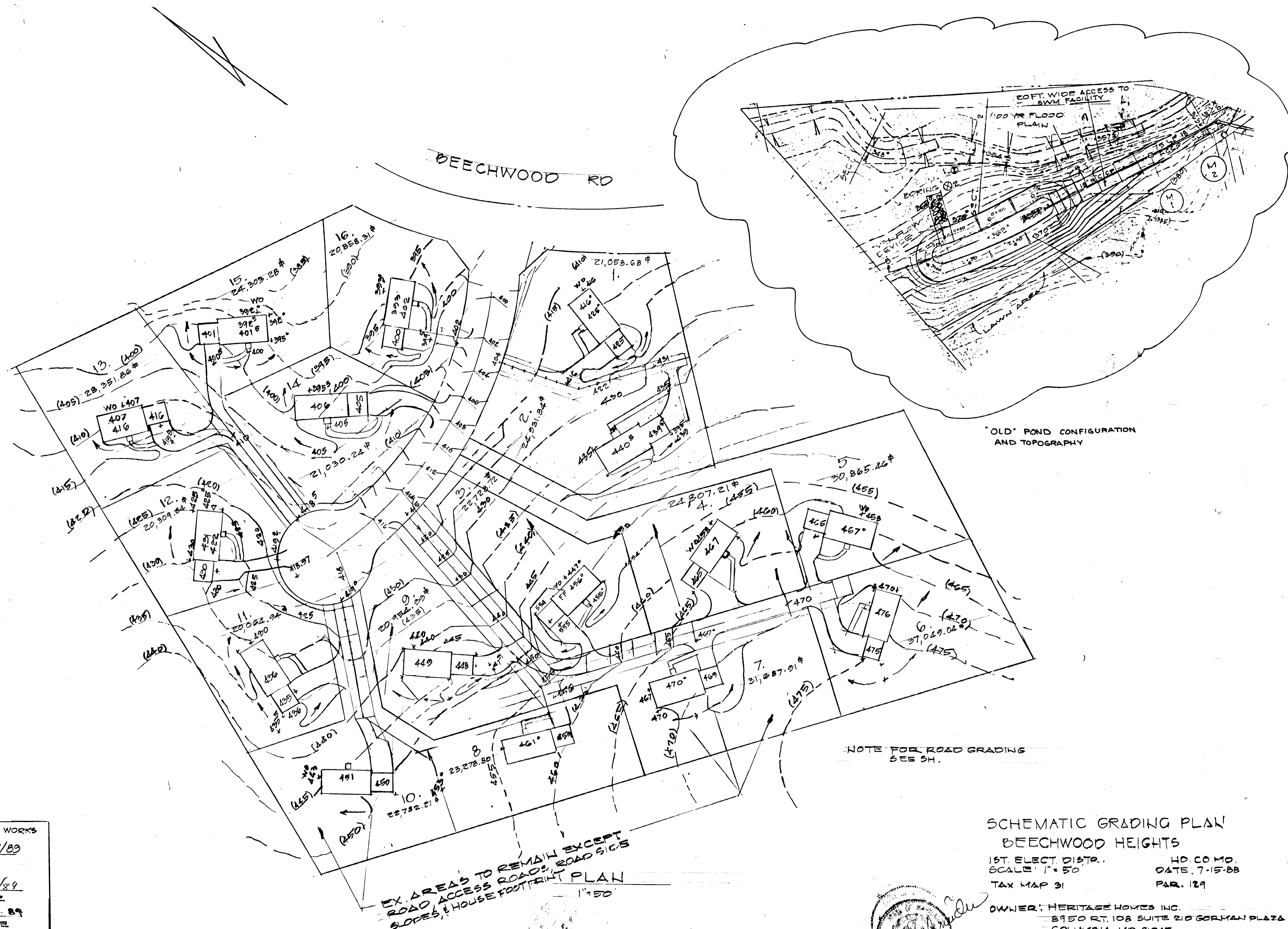
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

*Robert W. Ziegler* 5/16/89  
Howard S.C.D. Date



REVISION - ADDD LANDGRADING  
DATE 1/25/91 P.D.D.





APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*[Signature]* 5/25/89  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

*[Signature]* 6/5/89  
 CHIEF, BUREAU OF HIGHWAYS DATE

*[Signature]* 6-6-89  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: OFFICE OF PLANNING AND ZONING

*[Signature]* 6-12-89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

SCHEMATIC GRADING PLAN  
 BEECHWOOD HEIGHTS

1ST. ELECT. DISTR. HO. CO. MO.  
 SCALE: 1"=50' DATE: 7-15-88

TAX MAP 31 PAR. 129

OWNER: HERITAGE HOMES INC.  
 8950 RT. 108 SUITE 210 GORMAN PLAZA  
 COLUMBIA, MD. 21045  
 997-4433

ENGINEERS: LAND DEVELOPMENT CONSULTANTS  
 10 BRIARLEAF CT.  
 BALTO. MD. 21228.  
 788-1733



REDLINE REVISION - ADDED 'OLD' POND CONFIGURATION 1/29/91 D.D.D.