

POND SPECIFICATIONS

I. SITE PREPARATION

Areas under the borrow areas, embankment, and structural works shall be cleared, grubbed and the topsoil stripped to remove all trees, vegetation, roots or other objectionable material. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.

Areas covered by the pond or reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface.

All cleared and grubbed material shall be disposed of outside the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

II. EARTH FILL

Material

The fill material shall be taken from approved designated borrow areas or areas. It shall be free of roots, stumps, wood, rubbish, over-size stones, frozen or other objectionable materials. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height all along the length of the embankment shall be increased above the design elevation (including freeboard) as shown on the plans.

Placement

Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in 8-inch maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment.

Compaction

The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction can be obtained with the equipment used.

Cutoff Trench

Where specified, a cutoff trench shall be excavated along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be governed by the equipment used for excavation, with the minimum width being four feet. The depth shall be at least four feet or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill material for the cutoff trench shall be the most impervious material available and shall be compacted with equipment or rollers to assure maximum density and minimum permeability.

III. STRUCTURAL BACKFILL

Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall the contractor drive equipment over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe.

IV. PIPE CONDUITS

A. Corrugated Metal Pipe

- Materials - (Steel Pipe) - This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of AASHTO Specification M-190 Type A with watertight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound.

Materials - (Aluminum Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-196 or M-211 with watertight coupling bands. Coupling bands, anti-seep collars, end sections, etc. must be composed of the same material as the pipe. Metals must be insulated from dissimilar materials with use of rubber or plastic insulating materials at least 24 mils in thickness. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be less than 9 and greater than 4.

Helically corrugated pipe in addition to the requirements above shall have either continuously welded seams or have lock seams which are caulked, during fabrication, with a neoprene bead.

- Connections - All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be welded all around when the pipe and riser are metal. Watertight coupling bands shall be used at all joints. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight.
- Bedding - The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
- Laying pipe - The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the sides.
- Backfilling shall conform to structural backfill as shown above.
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

B. Reinforced Concrete Pipe

- Materials - Reinforced concrete pipe shall have a rubber gasket joint and shall meet ASTM Specification C-301. Approved equivalents are AWA Specification C-300, 301, and 302.
- Bedding - All reinforced concrete pipe conduits shall be laid in a concrete bedding for their entire length. This bedding shall consist of high slump concrete placed under the pipe and up the sides of the pipe at least 10% of its diameter with a minimum thickness of 3", or as shown on the drawings.
- Laying pipe - Bell and spigot pipe shall be placed with the bell end upstream. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are sealed for the entire line, the bedding shall be placed so that all spaces under the pipe are filled. Care shall be exercised to prevent any deviation from the original line and grade of the pipe.
- Backfilling shall conform to structural backfill as shown above.
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

V. CONCRETE

1. Materials

- Cement - Normal Portland cement shall conform to the latest ASTM Specification C-150.
- Water - The water used in concrete shall be clean, free from oil, acid, alkali, scales, organic matter or other objectionable substances.
- Sand - The sand used in concrete shall be clean, hard, strong and durable, and shall be well graded with 100 percent passing a one-quarter inch sieve. Limestone sand shall not be used.
- Coarse Aggregate - The coarse aggregate shall be clean, hard, strong and durable, and free from clay or dirt. It shall be well graded with a maximum size of one and one-half (1-1/2) inches.
- Reinforcing Steel - The reinforcing steel shall be deformed bars of intermediate grade billet steel or rail steel conforming to ASTM Specification A-615.

2. Design Mix - The concrete shall be mixed in the following proportions, measured by weight. The water-cement ratio shall be 5-1/2 to 6 U. S. gallons of water per 94 pound bag of cement. The proportion of materials for the trial mix shall be 1:2:3-1/2. The combination of aggregates may be adjusted to produce a plastic and workable mix that will not produce harshness in placing or honeycombing in the structure.

3. Mixing - The concrete ingredients shall be mixed in batch mixers until the mixture is homogeneous and of uniform consistency. The mixing of each batch shall continue for not less than one and one-half minutes after all the ingredients, except the full amount of water, are in the mixer. The minimum mixing time is predicated on proper control of the speed of rotation of the mixer and of the introduction of the materials, including water, into the mixer. Water shall be added prior to, during, and following the mixer-charging operations. Excessive overmixing requiring the addition of water to preserve the required concrete consistency shall not be permitted. Truck mixing will be allowed provided that the use of this method shall cause no violation of any applicable provisions of the specifications given here.

4. Forms - The forms shall have sufficient strength and rigidity to hold the concrete and to withstand the necessary pressure, ramming, and vibration without deflection from the prescribed lines. They shall be mortar-tight and constructed so that they can be removed without hammering or prying against the concrete.

The inside of forms shall be oiled with a non-staining mineral oil or thoroughly wetted before concrete is placed. Forms may be removed 24 hours after the placement of concrete. All wire ties and other devices used shall be recessed from the surface of the concrete.

5. Reinforcing Steel - All reinforcing material shall be free of dirt, rust, scale, oil, paint or any other coatings. The steel shall be accurately placed and securely tied and blocked into position so that no movement of the steel will occur during placement of concrete.

6. Consolidating - Concrete shall be consolidated with internal type mechanical vibrators. Vibration shall be supplemented by tamping and hand tamping as necessary to insure smooth and dense concrete along form surfaces, in corners, and around embedded items.

7. Finishing - Defective concrete, honeycombed areas, voids left by the removal of tie rods, ridges on all concrete surfaces permanently exposed to view or exposed to water on the finished structure, shall be repaired immediately after the removal of forms. All voids shall be reamed and completely filled with dry-patching mortar.

8. Protection and Curing - Exposed surfaces of concrete shall be protected from the direct rays of the sun for at least the first three (3) days. All concrete shall be kept continuously moist for at least ten (10) days after being placed. Moisture may be applied by spraying or sprinkling as necessary to prevent the concrete from drying. Concrete shall not be exposed to freezing during the curing period. Curing compounds may also be used.

9. Placing Temperature - Concrete may not be placed at temperatures below 32° F with the temperature falling, or 34° with the temperature rising.

VI. STABILIZATION

All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway, spoil and borrow areas, and berms shall be stabilized by seeding, fertilizing and mulching (if required) in accordance with the vegetative treatment specifications shown on or accompanying the drawings.

CONVERSION PROCEDURES

- COMPLETE STABILIZATION OF REMAINDER OF SITE
- FLUSH STORM DRAIN SYSTEM
- REMOVE SEDIMENT FROM POND
- RESTORE POND TO DESIGN DIMENSIONS
- STABILIZE POND
- REMOVE LOW FLOW PROTECTION
- PREPARE AS-BUILT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 4-20-87
COUNTY HEALTH OFFICER DATE

APPROVED FOR LAND DEVELOPMENT AND ZONING
HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 4-29-88
DIRECTOR DATE

APPROVED FOR LAND DEVELOPMENT AND ZONING ADMINISTRATION
HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 4/29/88
DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPT. OF PUBLIC WORKS
[Signature] 4/20/88
DEPT. CHIEF DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 4-20-88
COUNTY HEALTH OFFICER DATE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY HEALTH DEPARTMENT
DATE 9-11-87

OWNER
JOHN & RUBY JONES
PO BOX 400
SAYAGE, MD 20765

DEVELOPER
R.J. MUELLER COMPANY
5518 OLD ANNAPOLIS RD
ELLICOTT CITY, MARYLAND
21045
DEVELOPER'S CERTIFICATE

PREPARED BY
HARFORD DRAFTING AND DESIGN, INC.
601 CHARNWOOD COURT
EDGEWOOD MARYLAND 21040
ARTHUR LEONARD
25 W. COURTLAND ST.
BELAIR, MD. 21014

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.
[Signature] 4-15-88
Soil Conservation Service Date

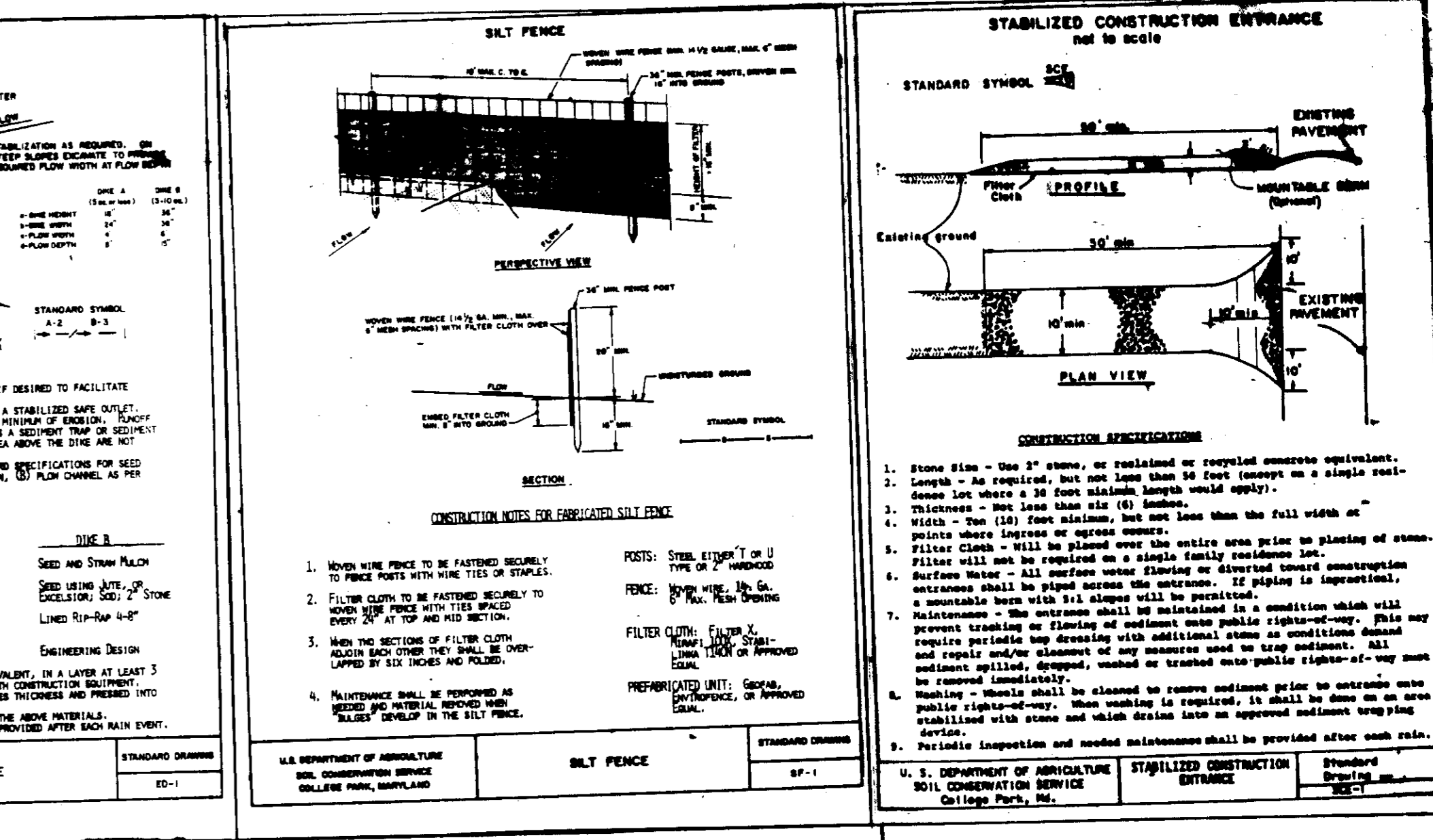
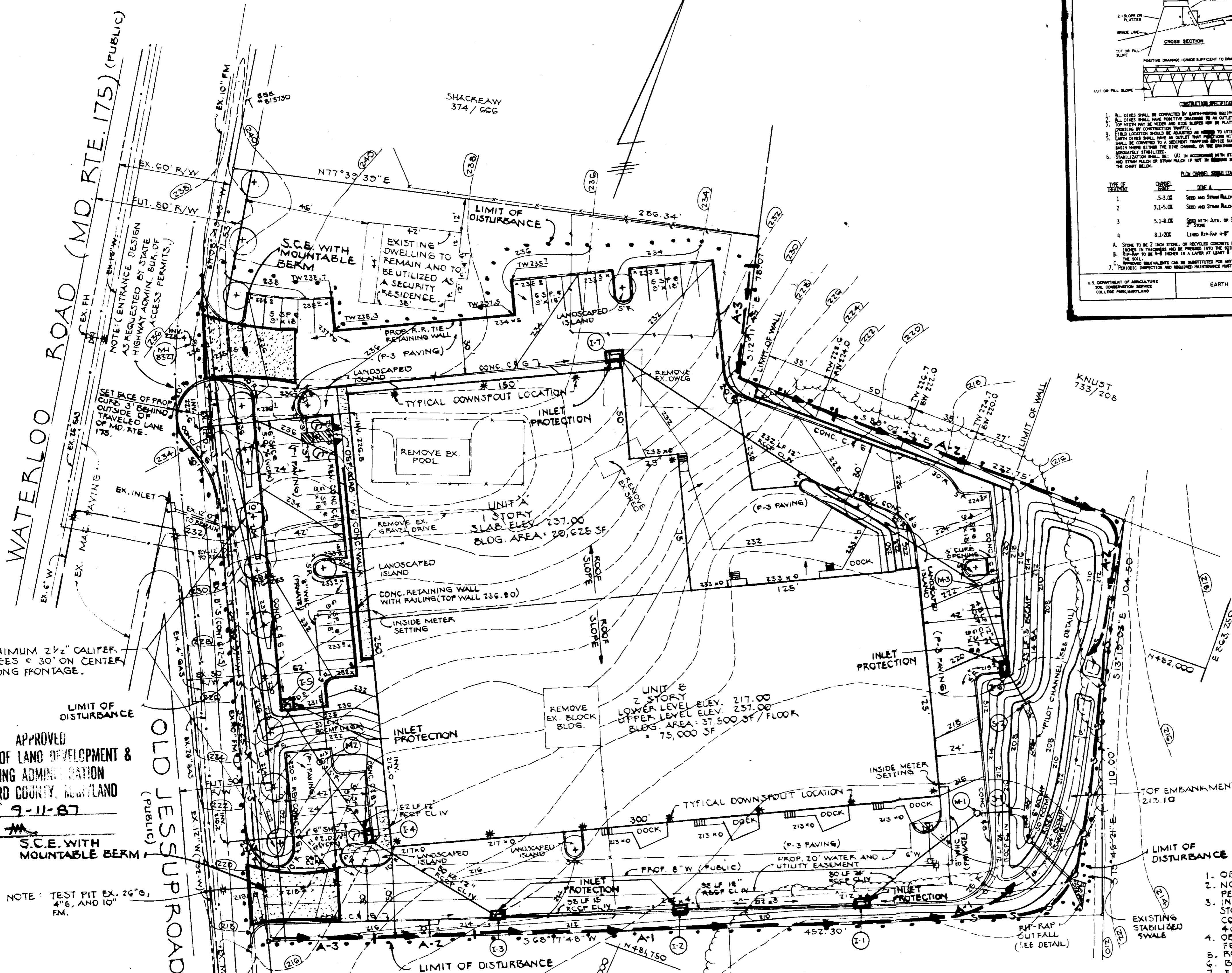
These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
[Signature] 4-15-88
Howard Soil Conservation District Date

"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 Department of Natural Resources Approved Training 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."
[Signature] 4/11/87
DATE

ENGINEER'S CERTIFICATE
"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."
[Signature] 4-11-88
ARTHUR LEONARD DATE



SITE DEVELOPMENT PLAN
7773 WATERLOO ROAD
1ST ELECTION DISTRICT
HOWARD COUNTY, MO.
TAX MAP 43 PARCEL 103
APRIL 27, 1987
SHEET 3 OF 6
REV. 6-15-87
7-24-87



PERMANENT SEEDING NOTES:

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Soil Amendment: In lieu of soil test recommendations, use one of the following schedules:

- Preferred:** Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) before seeding. Barrow or 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Barrow or 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Barrow or 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding.
- Acceptable:** Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Barrow or 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchors or 2 1/2 gal per acre (8 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 3 1/2 gal per acre (8 gal/1000 sq ft) for anchoring.

Temporary Seeding Notes:

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

Soil Amendment: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendment: Apply 40 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 25 bushels per acre of annual ryegrass (11 lbs/1000 sq ft). For the period May 1 thru July 31, seed with 2 lbs per acre of vernal fescue (0.7 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. Option (2) use seed.

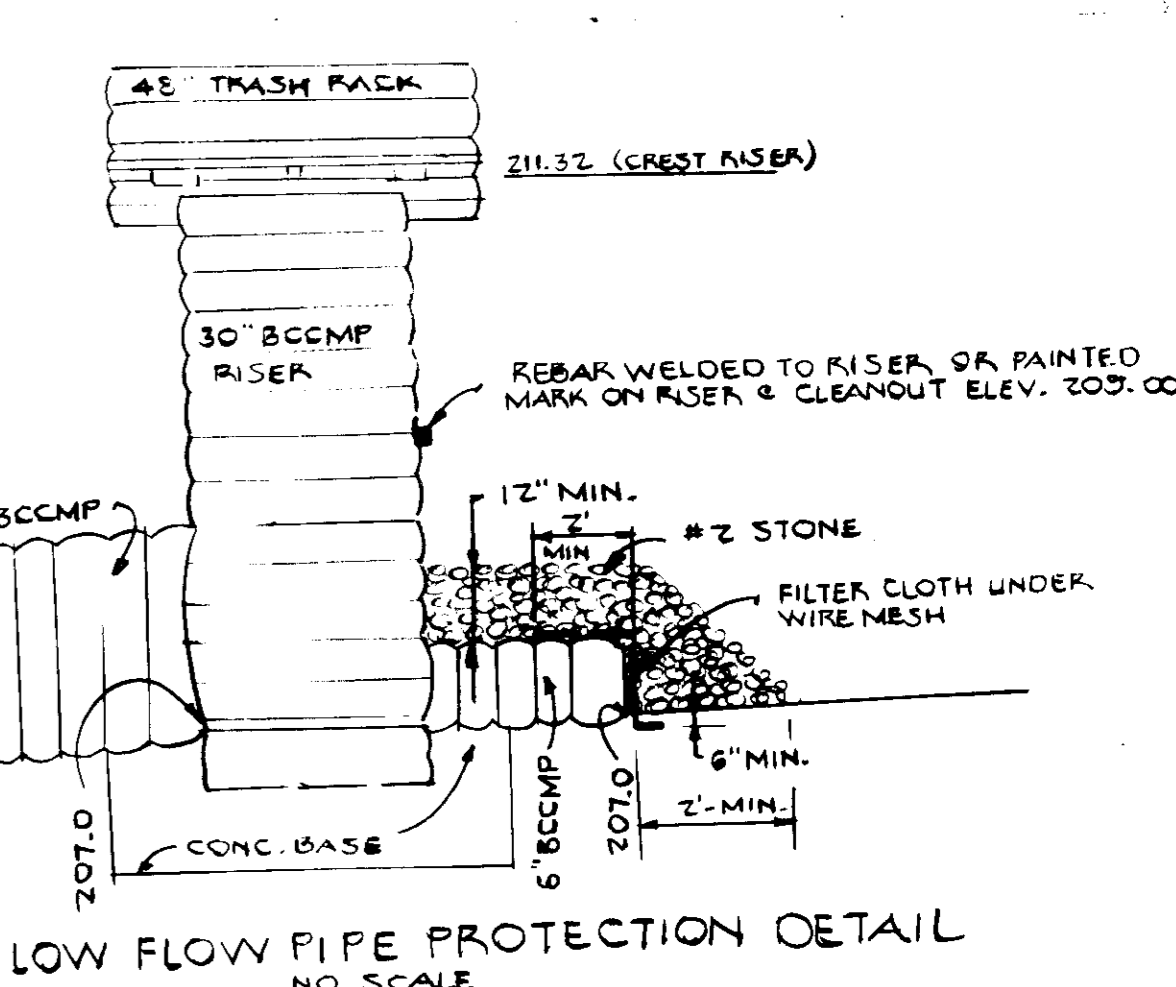
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Refer to the 1983 HARTLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR rate and methods not covered.

STORM WATER MANAGEMENT BASIN AND TEMPORARY SEDIMENT CONTROL POND
 DRAIN AREA: 3,704 AC.
 VOL. REQ: 3,704 MGD, 6660 CF
 VOL. PROVIDED: RISER CREST 211.52, 15,400 CF
 SET CLEANOUT ELEV. 8 209.00 (VOL. 4,280 CF)
 SEE SHEETS 1, 2 AND 3 FOR CONSTRUCTION DETAILS.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS 24 HRS PRIOR TO STARTING CONSTRUCTION.
- INSTALL ALL SEDIMENT CONTROL FEATURES, INCLUDING STORM WATER MANAGEMENT FACILITY, WHICH SHALL BE CONSTRUCTED IN ACCORDANCE WITH SHEETS 1, 2, 3 AND 4 OF THESE PLANS. PROVIDE LOW FLOW PIPE PROTECTION.
- OBTAIN APPROVAL OF INSTALLATION OF SEDIMENT CONTROL FEATURES FROM OFFICE OF INSPECTION & PERMITS.
- ROUGH GRADE SITE.
- BEGIN BUILDING AND UTILITY CONSTRUCTION. IN AREAS TO BE FAYED.
- RAVE PARKING AND DRIVEWAY AREAS. STABILIZE OTHER AREAS PER PERMANENT SEEDING NOTES.
- CONVERT POND PER PROCEDURES ON SHEET 3.



SEDIMENT CONTROL PLAN
 7779 WATERLOO ROAD
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MD.
 TAX MAP 43 PARCEL 103
 SCALE 1" = 30'
 APRIL 27, 1987
 SHEET 4 OF 6
 REV. C-15 87
 7-24-87
 S.D.P. 87-222
 J.O. NO. 8704
 S.D.P. 87-222

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-11-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE 4-26-88
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 DIRECTOR: [Signature] DATE 4-29-88
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE 4/20/88
 CHIEF, BUR. OF ENGINEERING: [Signature] DATE 4-25-88

OWNER:
 JOHN & RUBY JONES
 P.O. BOX 400
 LAUREL, MD. 20703

DEVELOPER:
 R.J. MUELLER COMPANY
 5918 OLD ANNAPOIS RD.
 ELLICOTT CITY, MARYLAND 21043

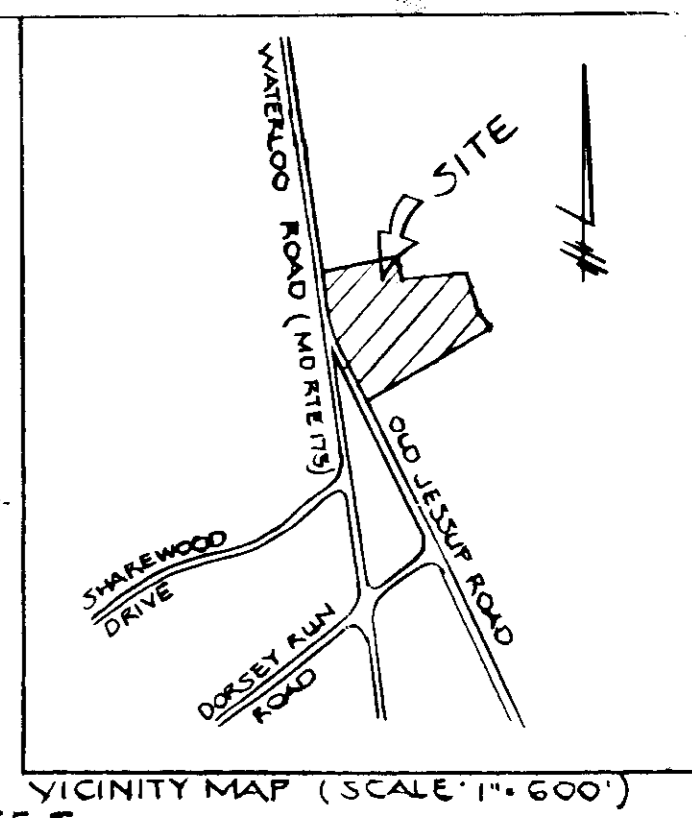
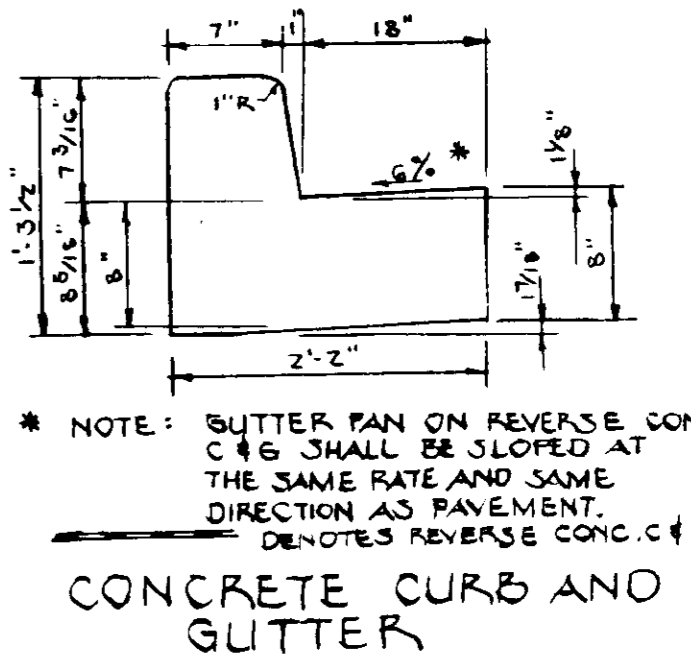
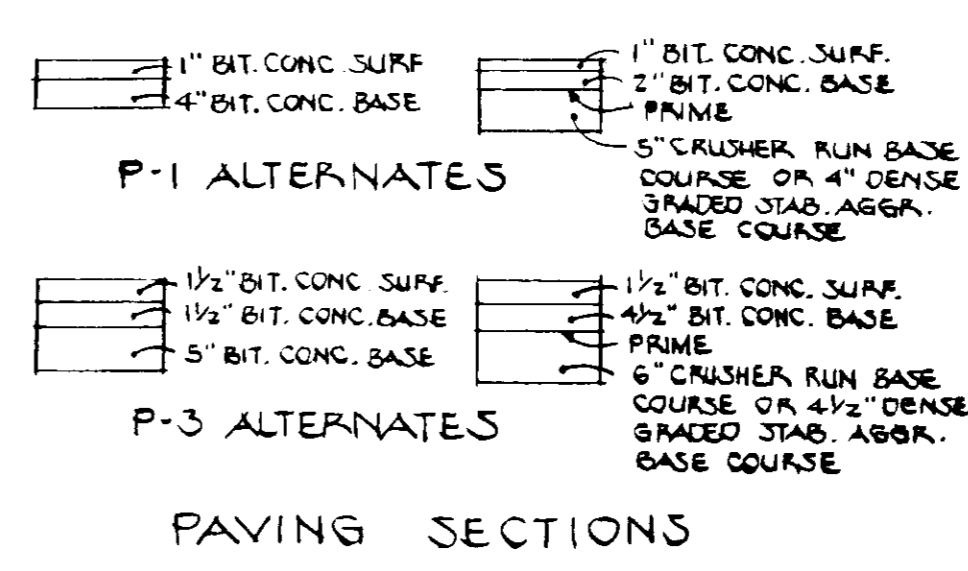
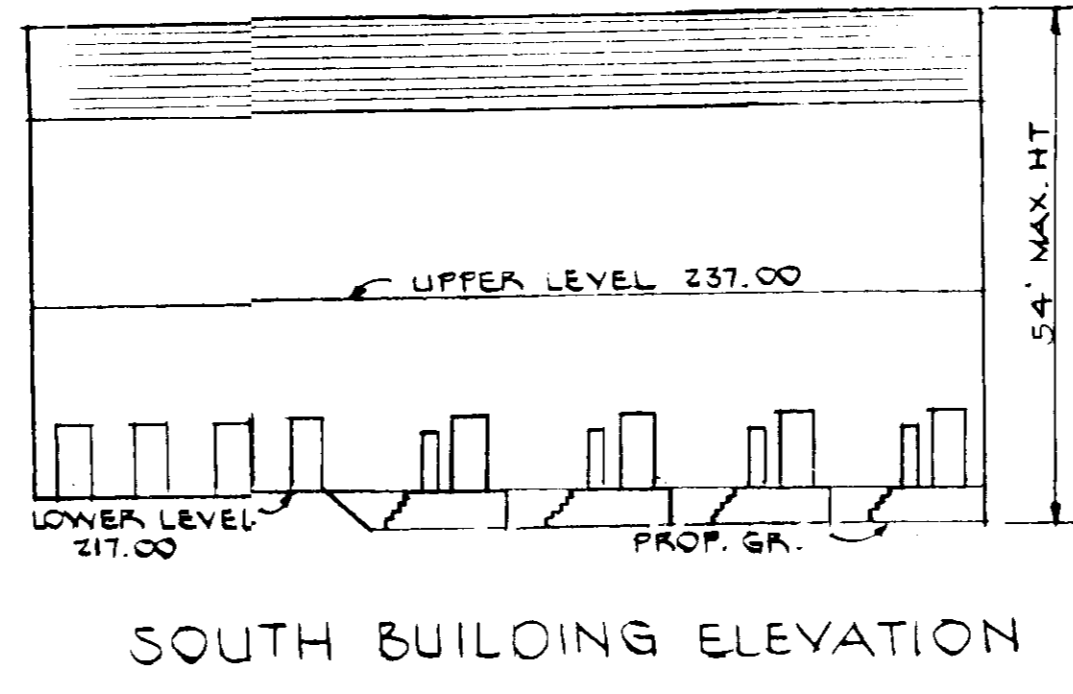
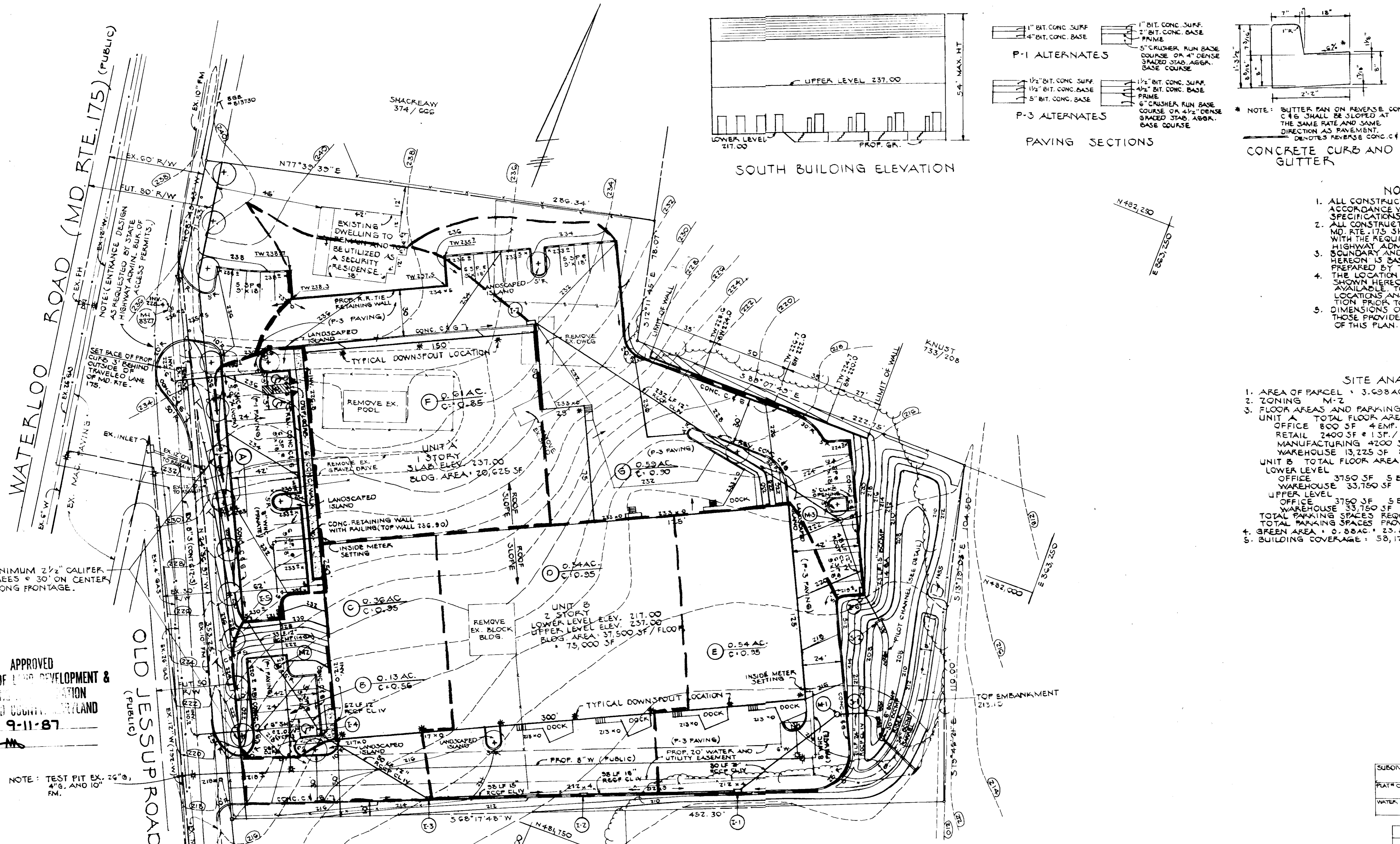
DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT & EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD S.C.O. WITH AN AS BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD S.C.O.

US SOIL CONSERVATION SERVICE:
 [Signature] DATE 4/15/88
 [Signature] DATE 4-15-88

PREPARED BY:
 HARFORD DRAFTING AND DESIGN, INC.
 501 CHARWOOD COURT
 EDGEWOOD, MARYLAND 21040
 ARTHUR LEONARD
 25 W. COURTLAND ST.
 BELAIR, MD. 21014

ENGINEER'S CERTIFICATE
 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, S.C.O. 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.

ARTHUR LEONARD
 DATE 4-11-88



- NOTES**
1. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE HOWARD COUNTY STANDARD SPECIFICATIONS & DETAILS FOR CONSTRUCTION.
 2. ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF MD. RTE. 175 SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MD. STATE HIGHWAY ADMINISTRATION.
 3. BOUNDARY AND TOPOGRAPHY INFORMATION SHOWN HEREON IS BASED ON A SURVEY DATED MARCH, 1987, PREPARED BY THE R.B.A. GROUP.
 4. THE LOCATION AND ELEVATION OF EXISTING UTILITIES SHOWN HEREON IS BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS TO HIS OWN SATISFACTION PRIOR TO STARTING WORK.
 5. DIMENSIONS OF PROPOSED BUILDINGS ARE BASED ON THOSE PROVIDED AT THE TIME OF THE PREPARATION OF THIS PLAN.

- SITE ANALYSIS**
1. AREA OF PARCEL: 3.688 AC ±
 2. ZONING: M-2
 3. FLOOR AREAS AND PARKING DATA:
 UNIT A TOTAL FLOOR AREA: 20,625 SF.
 OFFICE 800 SF 4 EMP. 7 SP/10 EMP. = 3 SP.
 RETAIL 2400 SF 1 SP./200 SF = 12 SP.
 MANUFACTURING 4200 SF 18 EMP. 1 SP./2 EMP. = 9 SP.
 WAREHOUSE 13,225 SF 8 EMP. 1 SP./2 EMP. = 4 SP.
 UNIT B TOTAL FLOOR AREA: 75,000 SF
 LOWER LEVEL
 OFFICE 3750 SF 5 EMP. 7 SP/10 EMP. = 4 SP.
 WAREHOUSE 33,750 SF 8 EMP. 1 SP./2 EMP. = 4 SP.
 UPPER LEVEL
 OFFICE 3750 SF 5 EMP. 7 SP/10 EMP. = 4 SP.
 WAREHOUSE 33,750 SF 8 EMP. 1 SP./2 EMP. = 4 SP.
 TOTAL PARKING SPACES REQUIRED: 44 SPACES
 TOTAL PARKING SPACES PROVIDED: 44 SPACES
 GREEN AREA: 0.88 AC. = 23.8 %
 BUILDING COVERAGE: 58,125 SF = 36.1%

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-11-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 4-26-88

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 DIRECTOR: [Signature] DATE: 4-29-88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 4-20-88

OWNER:
 JOHN & RUBY JONES
 P.O. BOX 400
 SAVAGE, MD 20783

DEVELOPER:
 R.J. MUELLER COMPANY
 3913 OLD ANNAFOLIS RD.
 ELLICOTT CITY, MARYLAND
 21043

PREPARED BY:
 HARFORD DRAFTING AND DESIGN, INC.
 901 CHARWOOD COURT
 EDGEWOOD, MARYLAND 21040
 ARTHUR LEONARD
 25 WY. COURTLAND ST.
 BELAIR, MD. 21014

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD S.C.D.
 HOWARD S.C.D. [Signature] DATE: 4/15/88

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD S.C.D. AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
 [Signature] DATE: 4-15-88

DEVELOPER'S CERTIFICATE
 I 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 DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT & EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD S.C.D. WITH MY AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD S.C.D.
 [Signature] DATE: 4/15/88

ENGINEER'S CERTIFICATE
 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 S.C.D. 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.
 [Signature] DATE: 4-11-88

NOTE:
 DO NOT UTILIZE THIS PLAN FOR CONSTRUCTION PURPOSES.

DRAINAGE AREA MAP
 7779 WATERLOO ROAD
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MD.
 TAX MAP 43 PARCEL 103
 SCALE 1" = 30'
 APRIL 27, 1987
 SHEET 5 OF 6
 REV. C-15-87
 7-24-87
 SDA 87-222 J.O. NO. 3104
 SDA 87-222

