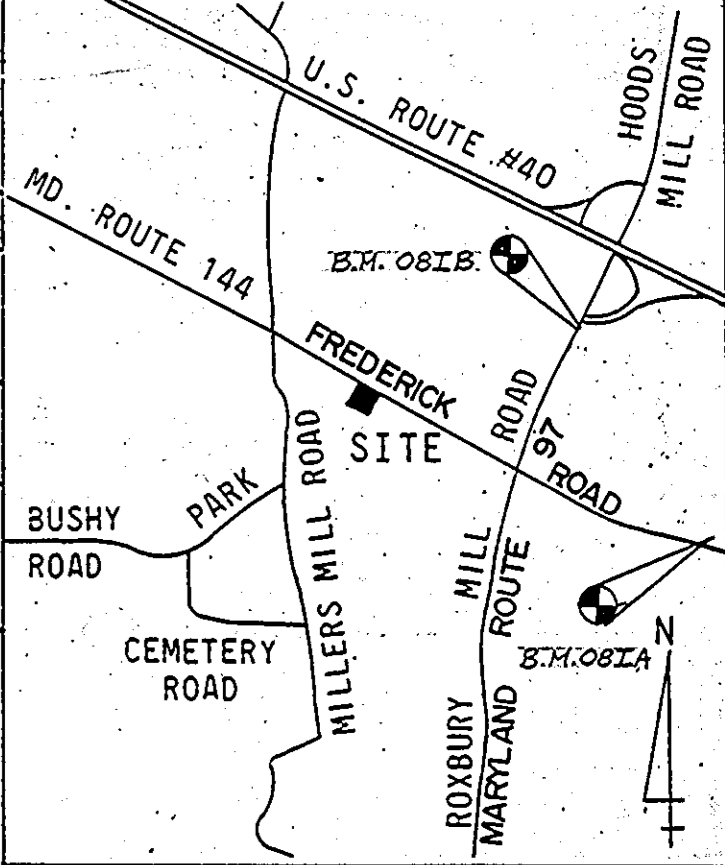


APPROVED WITHOUT WATER OR SEWER SYSTEMS
 REVIEWED: NO FACILITIES REQUIRED
 APPROVED: HOWARD CO. DEPT. OF PLANNING & ZONING
 APPROVED FOR PUBLIC WATER SEWERAGE & STORAGE SYSTEMS PUBLIC WORKS DEPARTMENT



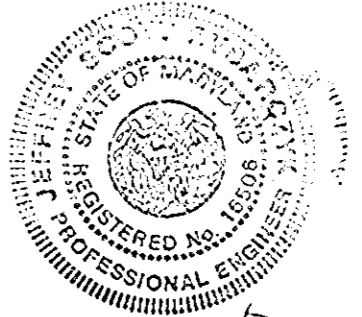
ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR SWAL FACILITY CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SITE CONDITIONS, HOWARD SOIL CONSERVATION DISTRICT, AND THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINE FACILITY WITHIN 30 DAYS OF COMPLETION.

DEVELOPER'S CERTIFICATE
 I 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 DEPT. OF NATURAL RESOURCES APPROVED PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINE FACILITY WITHIN 30 DAYS OF COMPLETION.

VICINITY PLAN
 SCALE: 1"=2000'
 B.M. 081A N 183° 217' 755.5 E 399' 44.4 0622 ELEV. 130.5
 B.M. 081B N 183° 229' 758.8 E 376' 437.1 266 ELEV. 149.7

SITE ANALYSIS
 THIS PROPERTY IS LOCATED IN THE 4TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND. PARCEL 240, GRID 22 ZONED R
 AREA OF: PROPOSED SUBSTATION: 10,080 S.F. = 0.23 AC.±
 EXISTING SUBSTATION: 2,688 S.F. = 0.06 AC.±
 AREA TO BE RETIRED: 2,688 S.F. = 0.06 AC.±
 GREEN AREA TO REMAIN: 117,922 S.F. = 2.71 AC.±
 TOTAL SITE: 130,680 S.F. = 3.00 AC.±

OWNER: B.G. & E. CO.
 P.O. BOX 1475
 BALTIMORE, MARYLAND 21203
 PROPOSED USE: ELECTRICAL SUBSTATION
 ZONING CASE NUMBERS:
 JUNE 20, 1972 - 710C
 BA-91-53E-APPROVED MARCH 12, 1992-SEE CONDITIONS BELOW
 SDP 92-103



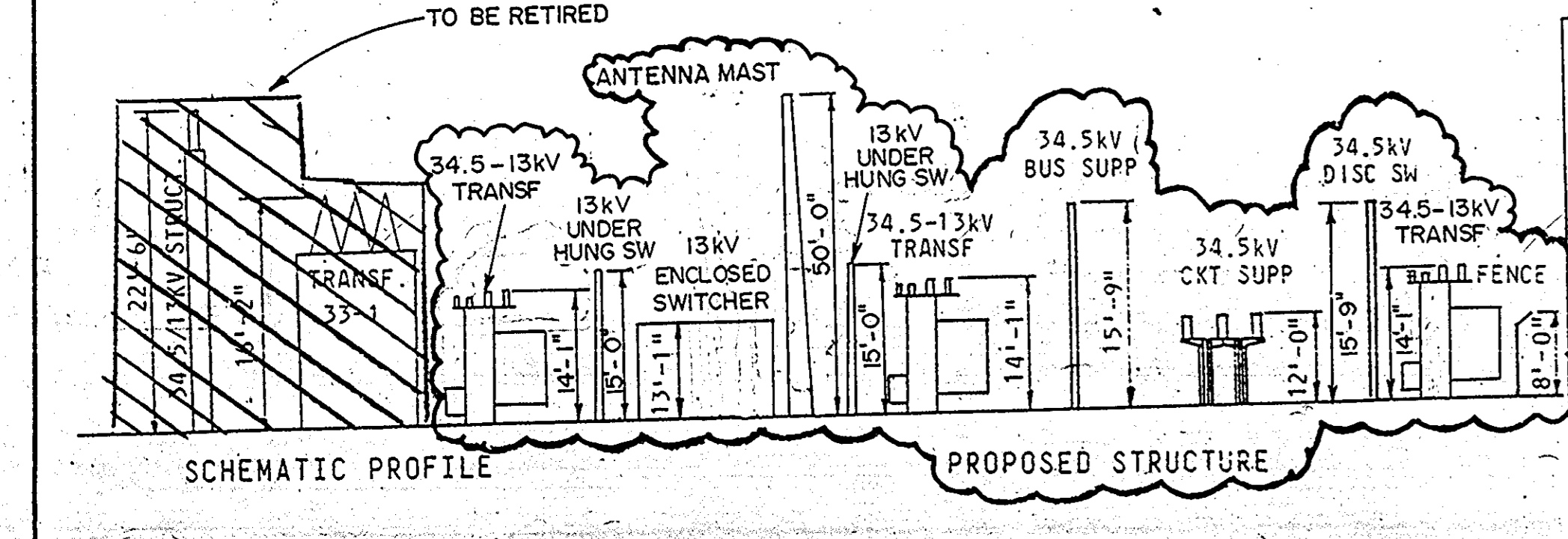
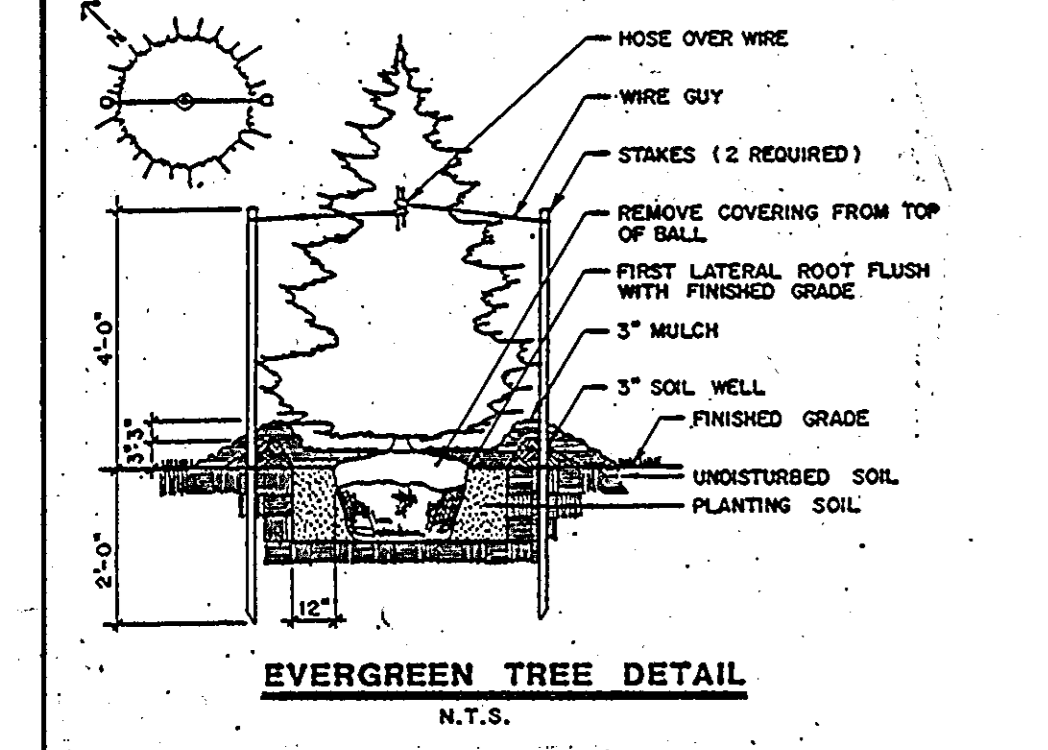
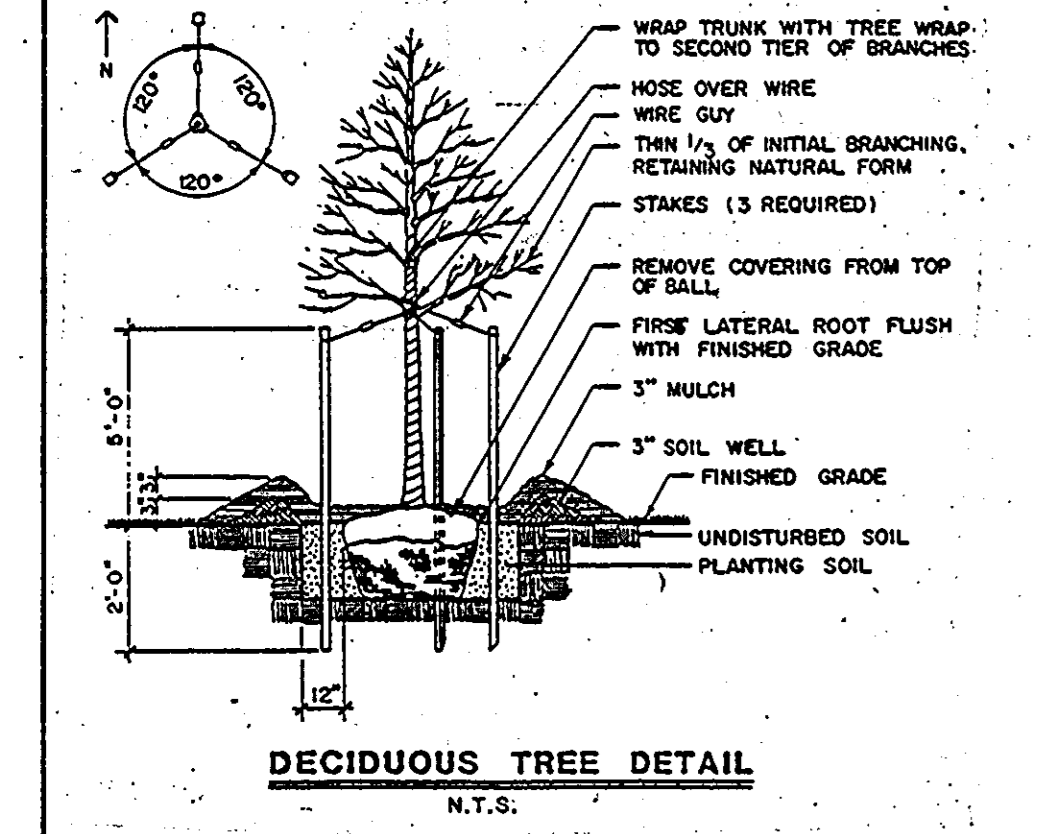
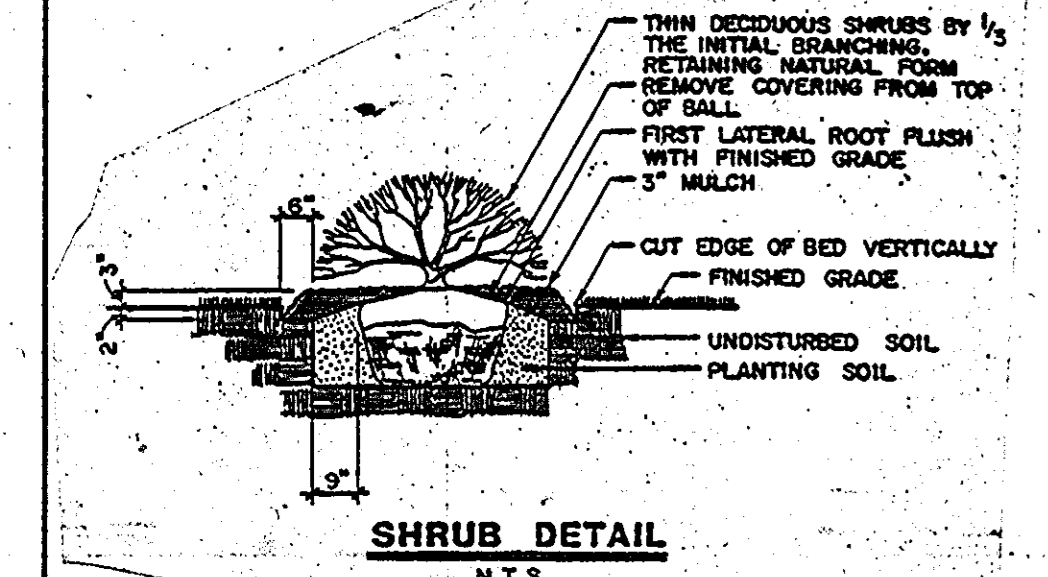
ZONE R
 BA-91-53E APPROVED 3-12-92
 CONDITIONS

- The Petitioner shall comply with all applicable laws, regulations, and ordinances, including, but not limited to, those pertaining to limitations on noise levels.
- The Petitioner shall submit a Site Development Plan to the Department of Planning and Zoning within six (6) months of the date of this order.
- The special exception is limited to the installation and operation of the equipment as designated on the special exception plan submitted with the petition, and not to any other buildings, structures, additions or uses, any future transformers, capacitors, structures, additions, activities, or equipment not indicated on the special exception plan, and not approved and are not a part of this granted special exception.
- The Petitioner shall landscape the site in accordance with the special exception plan submitted with the petition.
- All exterior lighting shall be directed downward and inward so as not to shine or reflect onto adjacent properties or roads.

- Existing Vegetative Communities
- Group A**
 - Description: Hardwood/Hedgehog
Dominant Species:
Robinia pseudo-acacia (Black locust) 6-12" DBH
Prunus serotina (Black cherry) 4-6" DBH
Acer spicatum (Box elder) 6" DBH
Ailanthus altissima (Tree-of-heaven) 6" DBH
 - Maturity and general condition: Intermediate growth in good condition
 - Group B**
 - Description: Ornamental Evergreens
Dominant Species:
Pinus strobus (White pine) 10-12" DBH
Picea abies (Norway Spruce) 6-8" DBH
Juniperus chinensis glauca (Blue juniper) 8" height
 - Maturity and general condition: Ornamental evergreens in this community are in good condition, with dense branching.
 - Specimen: 12" DBH Pinus strobus (White pine) located to immediate north of parking area.
 - Group C**
 - Description: Volunteer deciduous trees in an open field
 - Dominant species:
Prunus serotina (Black cherry) 2-6" DBH
Acer rubrum (Red maple) 2-6" DBH
Acer saccharinum (Silver maple) 2-6" DBH
Liriodendron tulipifera (Yellow poplar) 3-6" DBH
Robinia pseudo-acacia (Black locust) 4-6" DBH
 - Maturity and general condition: Volunteer species, 7-12 years old, free to grow in open field.

LIST OF DRAWINGS

SHEET 1	SITE DEVELOPMENT PLAN, LOCATION/PLANTING PLAN
SHEET 2	GRADING PLAN, FENCE, ROADWAY & STORM WATER MANAGEMENT
SHEET 3	STORM WATER MANAGEMENT DETAILS
SHEET 4	SEDIMENT & EROSION CONTROL PLAN
SHEET 5	SEDIMENT & EROSION CONTROL DETAILS



PLANT LIST

CODE	NO. REQUIRED	NAME	SIZE
1	32	JUNIPERUS CHINENSIS HETZLI GLAUCA	3 1/2" - 4" S&S
2	10	HETZLI BLUE JUNIPER	
3	3	JUNIPERUS CHINENSIS COLUMNARIS- GREEN COLUMNAR CHINESE JUNIPER	5'-6" S&S OR CONTAINER
4	3	MALUS SUGAR TYME- SUGAR TYME CRAB	8"-9" 2-2 1/2" CAL S&S

OWNER
 BALTIMORE GAS AND ELECTRIC COMPANY
 P.O. BOX 1475
 BALTIMORE, MARYLAND 21203

ENGINEER
 GEORGE WILLIAM STEPHENS & ASSOC., INC.
 203 EAST BROADWAY
 BEL AIR, MARYLAND 21014

SUBDIVISION NAME: COOKSVILLE	HOWARD COUNTY - B68E SUBSTATION
PLAT # OR L/F BLOCK #	606 - 654 22
ZONE:	R
WATER CODE:	
PROPERTY, 3.00-AC.± LOT/PARCEL #	14725 FREDERICK PIKE
SUBSTATION O&S AC.±	240
TAX/ZONE MAP ELECT DISTR	#4
CENSUS TR:	6040
SEWER CODE:	
TAX ACCOUNT NO.	

REV.	DATE	DESCRIPTION	APPROVAL	ENGINEERING	SITE DEVELOPMENT PLAN LOCATION / PLANTING PLAN
A	8-29-72	ADDED SCREENING EC-9346		CIVIL	
B	10-13-79	INSTLN OF 1- 34.5kV 1800kvar SWITCHED CAPACITOR EC-3973		M.ECH. EC-103	
C	5-7-83	INSTLN OF BATTERY & CHARGER CABINET (EC-6101)		CHIEF ENG. W. J. STEPHENS	
D	10-30-91	34.5-13kV 25MVA SUBSTA W/4 FDRS EC/533		DESIGN & DRAWING	B68E 34.5-13KV SUBSTATION COOKSVILLE HOWARD COUNTY 14725 FREDERICK ROAD BALTIMORE GAS AND ELECTRIC COMPANY ELECTRICAL SYSTEM ENGINEERING

SPECIFICATIONS
 These specifications are appropriate to all ponds within the scope of the Standard for practice MD-37. All references to ASTM and AASHTO specifications apply to the most recent version.

Site Preparation
 Areas designated for borrow areas, embankment and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, roots and other objectionable material shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.

Areas to be covered by the reservoir will be cleared of all trees, brush, logs, stumps, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface. For dry stormwater management ponds, a minimum of a 50 foot radius around the inlet structure shall be cleared.

All cleared and grubbed material shall be disposed of outside and below 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.

Earth Fill
 Material - The fill material shall be taken from approved designated borrow areas. It shall be free of rocks, stumps, wood, rubbish, stones greater than 6" from or other objectionable materials. Fill material for the center of the embankment and off trench shall conform to Unified Soil Classification GC, SC, CH, or CL. Consideration may be given to the use of other materials in the embankment if design and construction are supervised by a geotechnical engineer.

Placement - Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in maximum 8 inch thick (before compaction) layers which are to be continuous over the entire length of the fill. The most permeable borrow material shall be placed in the downstream portions of the embankment. The principal spillway must be installed concurrently with fill placement and not excavated into 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 roller or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction will be obtained with the equipment used. The fill material shall contain sufficient moisture so that if formed into a ball it will not crumble yet not be so wet that water can be squeezed out.

Bulk specific gravity and absorption shall be determined according to ASTM C 27. The test for soundness shall be performed according to ASTM C 88.

The riprap shall be placed to the required thickness in one operation. The rock shall be delivered and placed in a manner that will ensure uniformity of placement and that the riprap shall be placed in a reasonably homogeneous and free of large rocks uniformly distributed and firmly in contact one to another with the smaller rocks filling the voids between the larger rocks. Filter cloths shall be placed under all riprap and shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 919.12.

*Care of Water during Construction

All work on permanent structures shall be carried out in areas free from water. The Contractor shall construct and maintain all temporary dikes, levees, cofferdams, drainage channels, and stream diversions necessary to protect the areas to be occupied by the permanent works. The Contractor shall also furnish, install, operate, and maintain all necessary pumping and other equipment required for removal of water from the various parts of the work and for maintaining the excavations, foundations, and other parts of the work free from water as required or directed by the engineer for constructing each part of the work. After having served their purpose, all temporary protective works shall be removed or leveled and graded to the extent required to prevent obstruction in any degree whatsoever of the flow of water to the spillway or outlet works and so as not to interfere in any way with the operation or maintenance of the structure. Stream diversions shall be maintained until the full flow can be passed through the permanent works. The removal of water from the required excavation and the foundation shall be accomplished in a manner and to the extent that will maintain stability of the excavated slopes and bottom of required excavations and will allow satisfactory performance of all construction operations. During the placing and compaction of material in required excavations, the water level at the locations being refilled shall be maintained below the bottom of the excavation at such locations which may require draining the water to pumps from which the water shall be pumped.

Stabilization
 All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway, soil and borrow areas, and forms shall be stabilized by seeding, liming, mulching and mulching in accordance with the Maryland Department of Transportation Standards and Specifications for Critical Area Planting (MD-342) or as shown on the accompanying drawings.

Erosion and Sediment Control
 Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local law concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction process.

There is a minimum required density is specified. It shall not be less than 95% of maximum dry density with a moisture content within ± 2% of the optimum. Each layer of fill shall be compacted as necessary to obtain that density, and is to be certified by the Engineer at the time of construction. All compaction is to be determined by AASHTO Method T-99.

Cut Off Trench - The cutoff trench shall be excavated into impervious material 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 below existing grade as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill shall be compacted with construction equipment, rollers, or hand tampers to secure maximum density and minimum permeability.

Structure Backfill
 Backfill adjacent to pipes or structures 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 manually directed 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 equipment be driven over any part of a concrete structure or pipe, unless there is a completed fill of 24" or greater over the structure or pipe.

Pipe Conduits
 All pipes shall be circular in cross section.

Corrugated Metal Pipe - All of the following criteria shall apply for corrugated metal pipe:

1. 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 water tight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound. Steel pipes with polymeric coatings shall have a minimum coating thickness of 0.01 inch (10 mil) on both sides of the pipe. The following coatings or an approved equal may be used: Epoxy, Fluoro-Carb, and Epoxy-Co-Loy. Coated corrugated steel pipe shall meet the requirements of AASHTO M-245 and M-246.

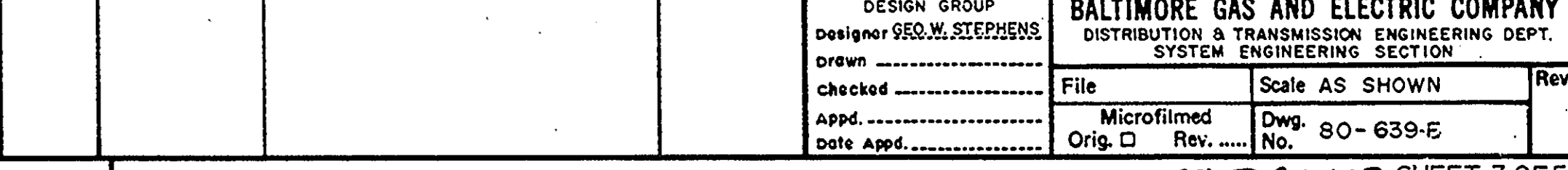
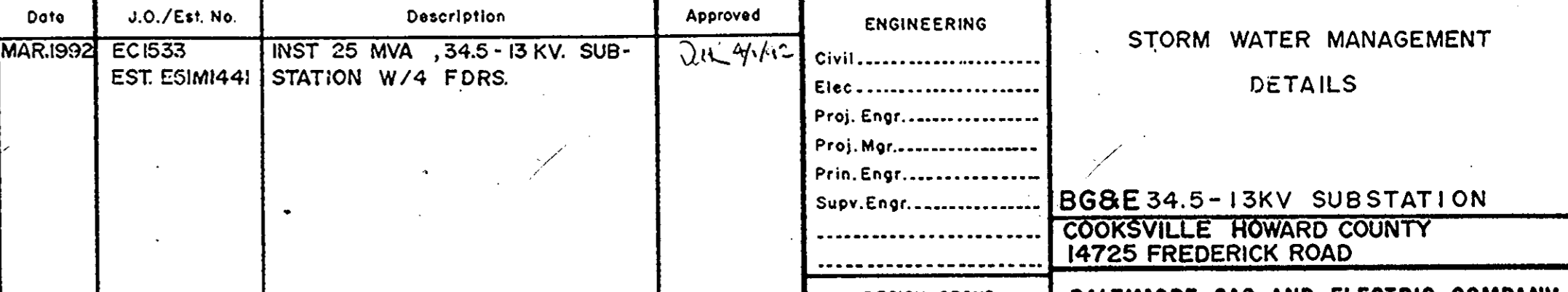
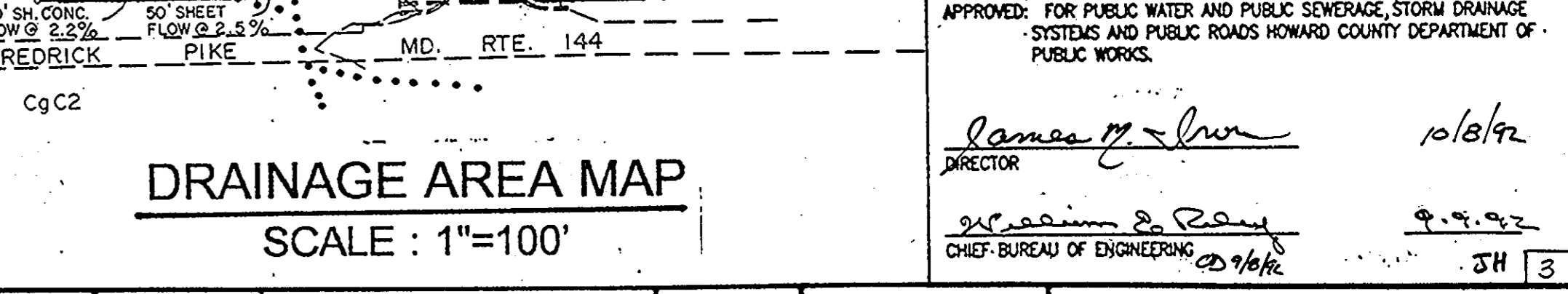
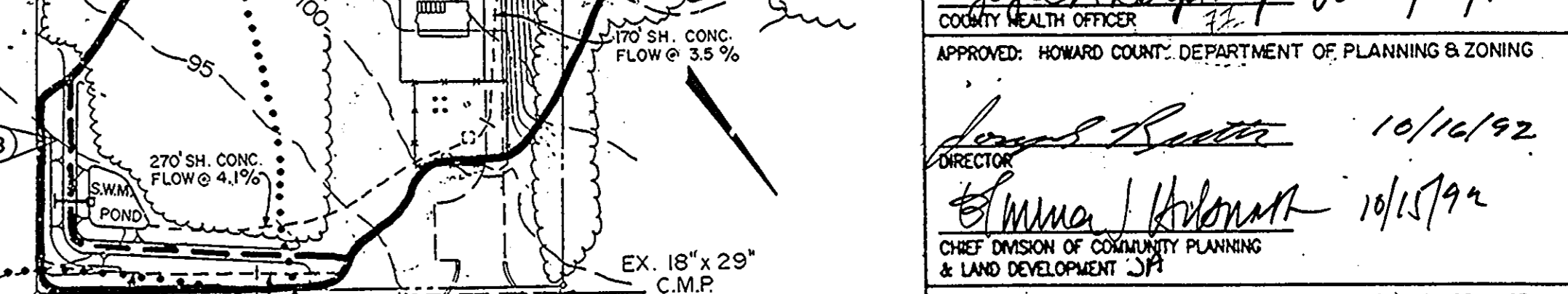
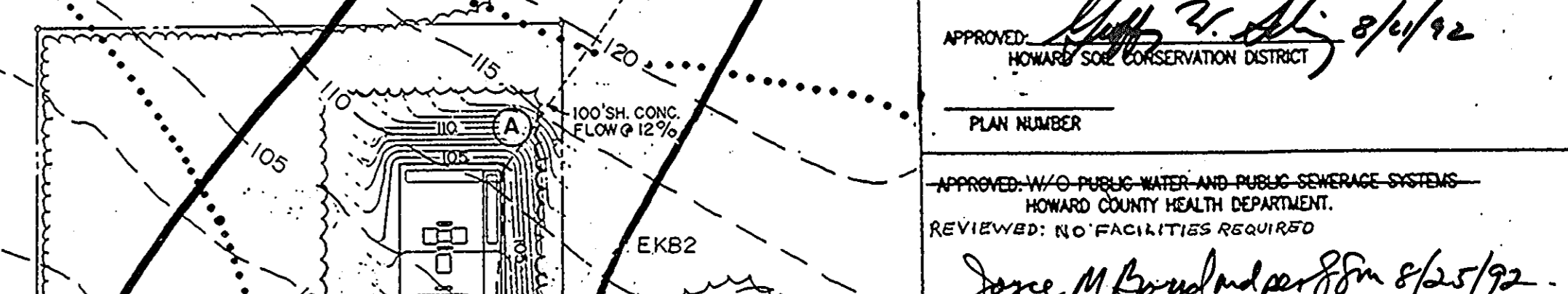
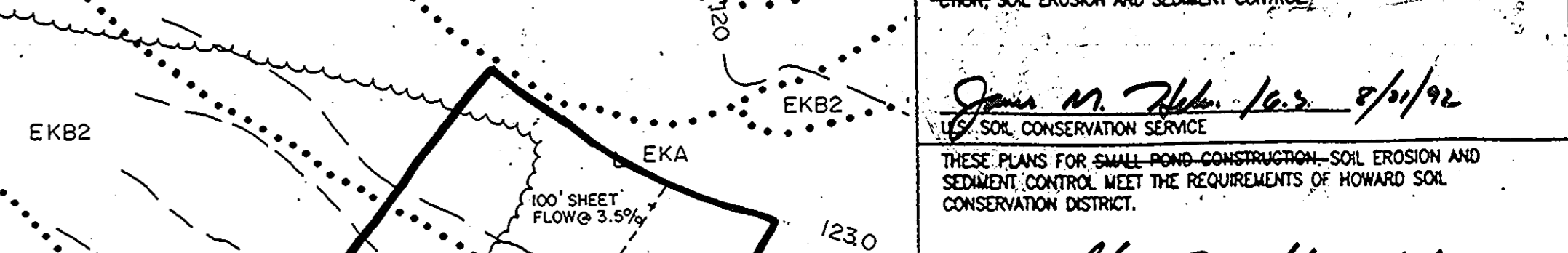
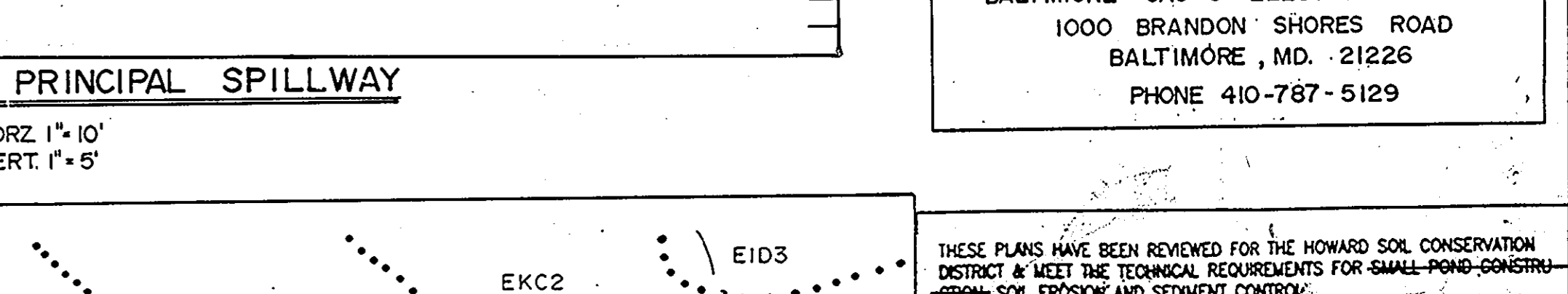
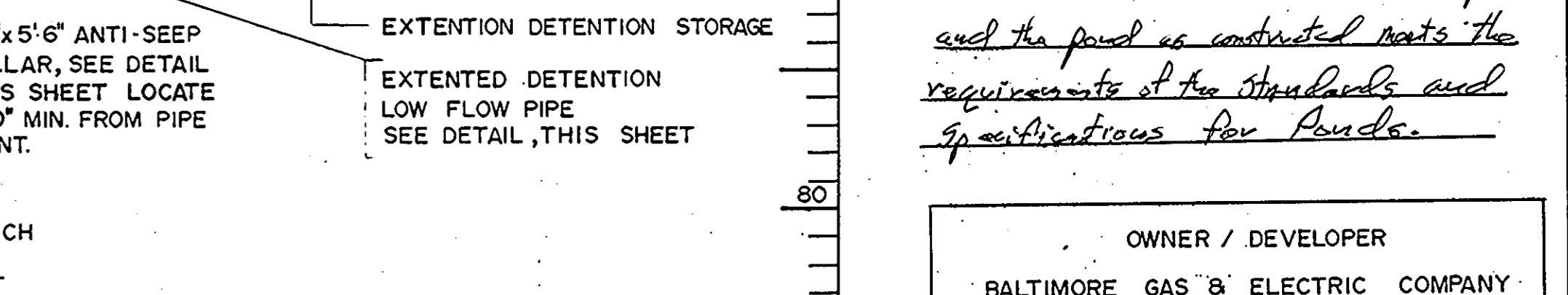
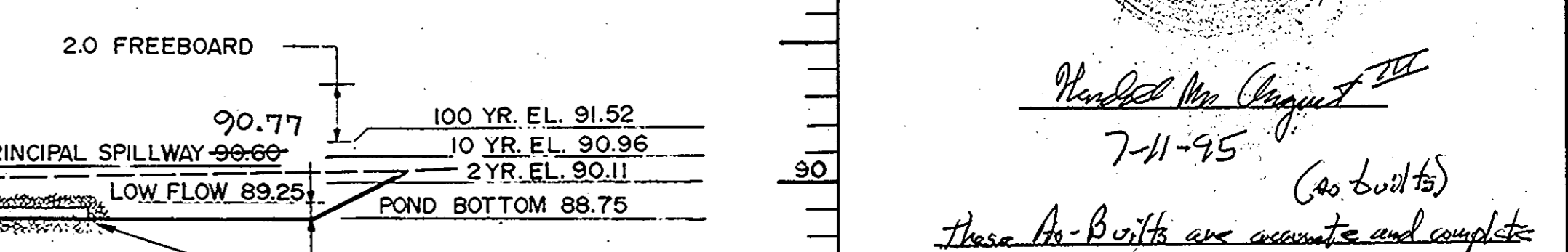
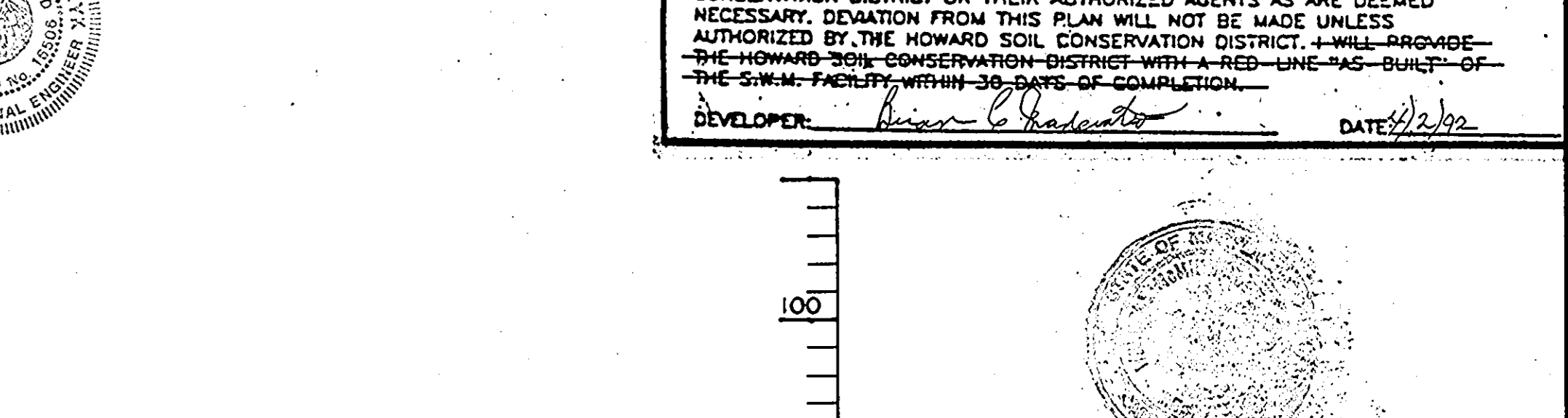
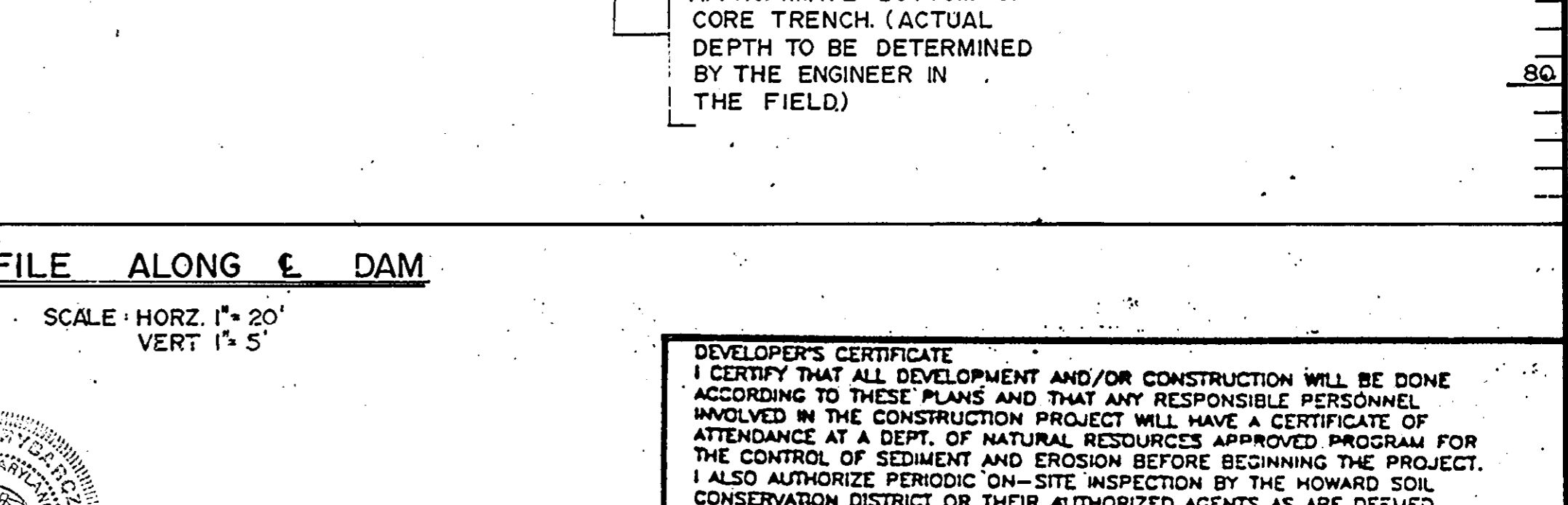
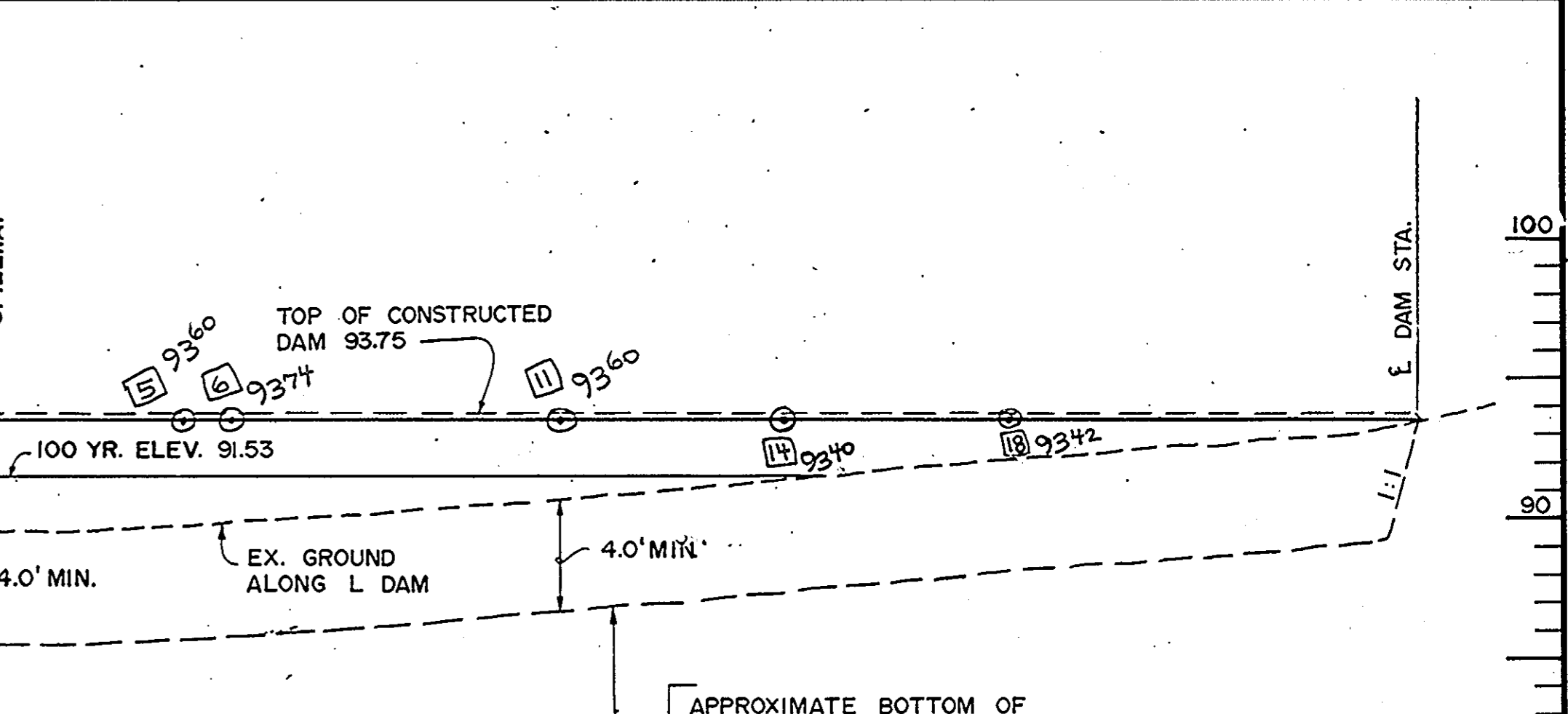
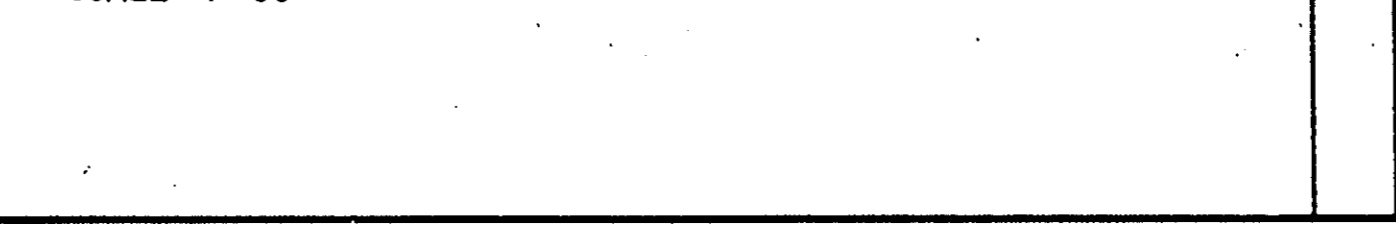
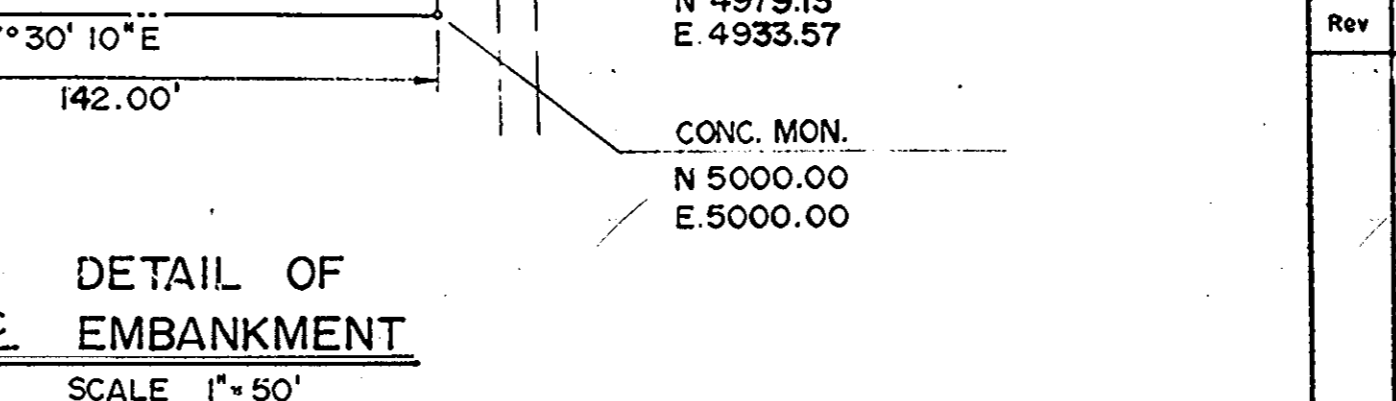
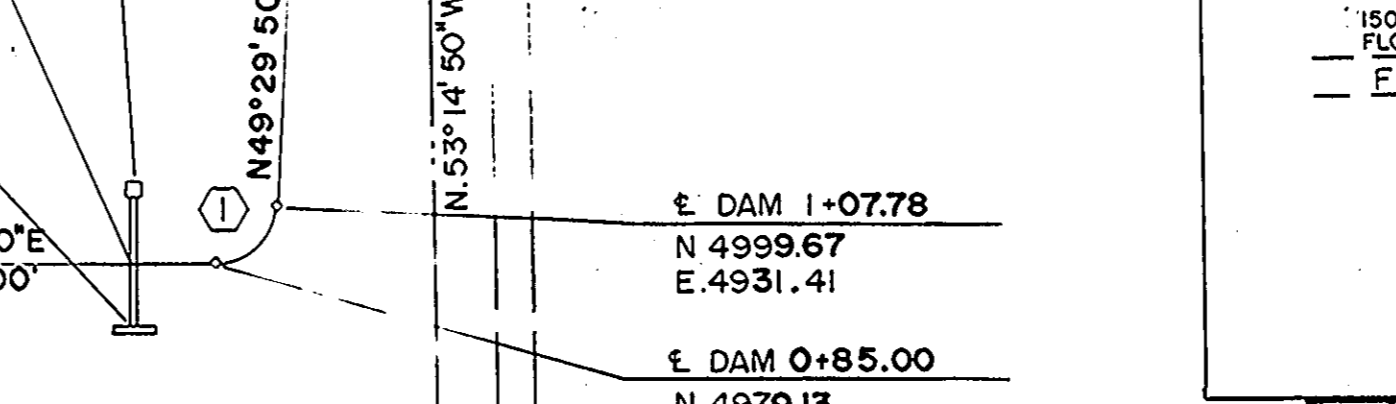
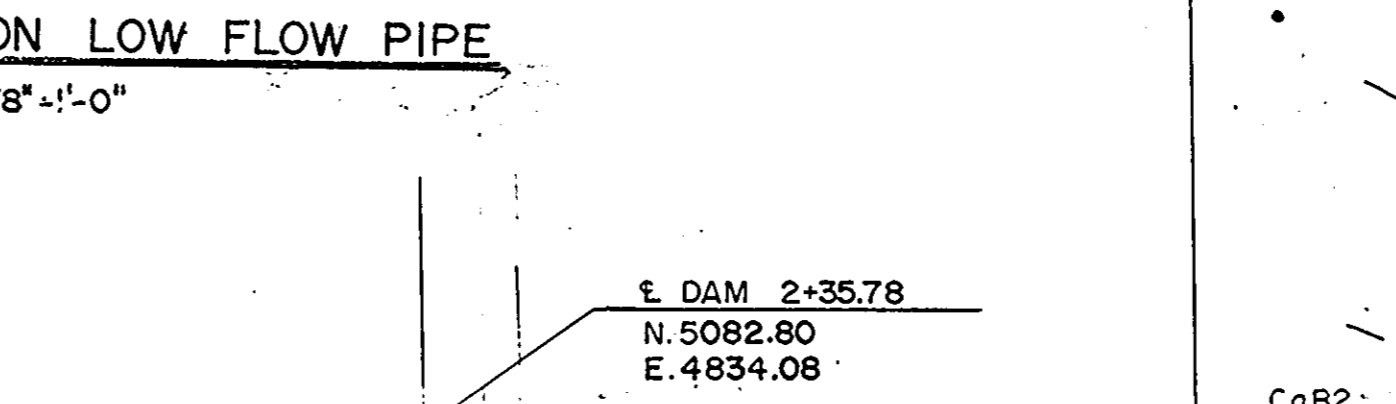
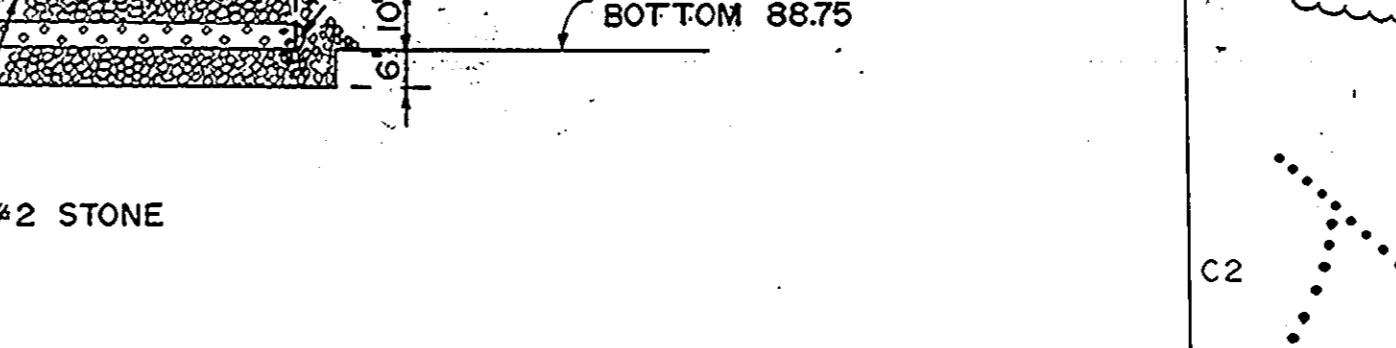
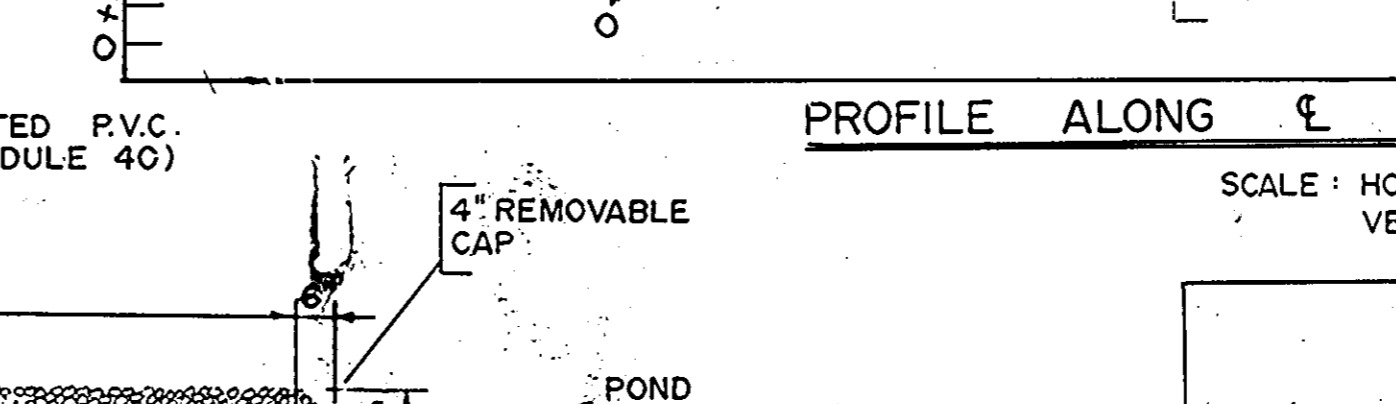
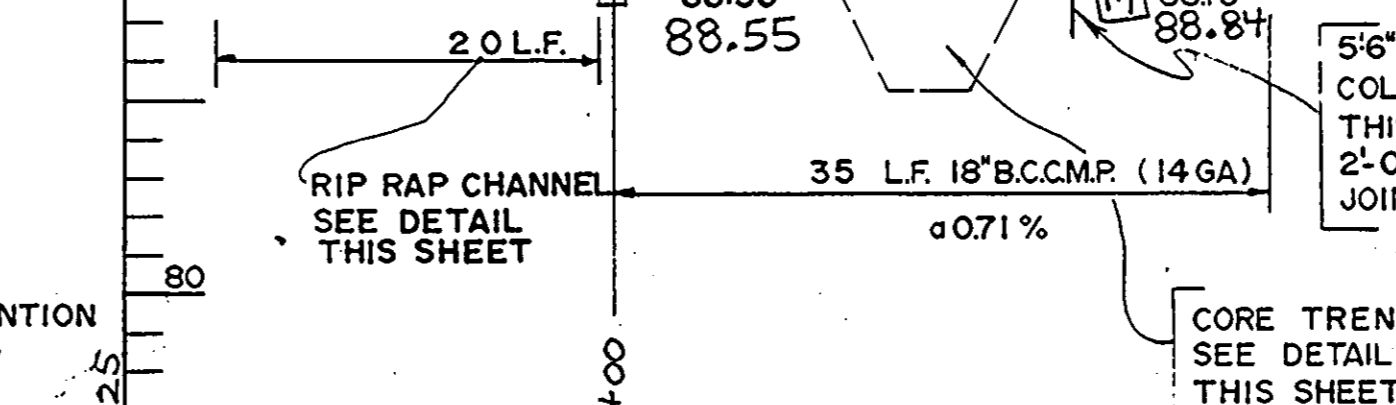
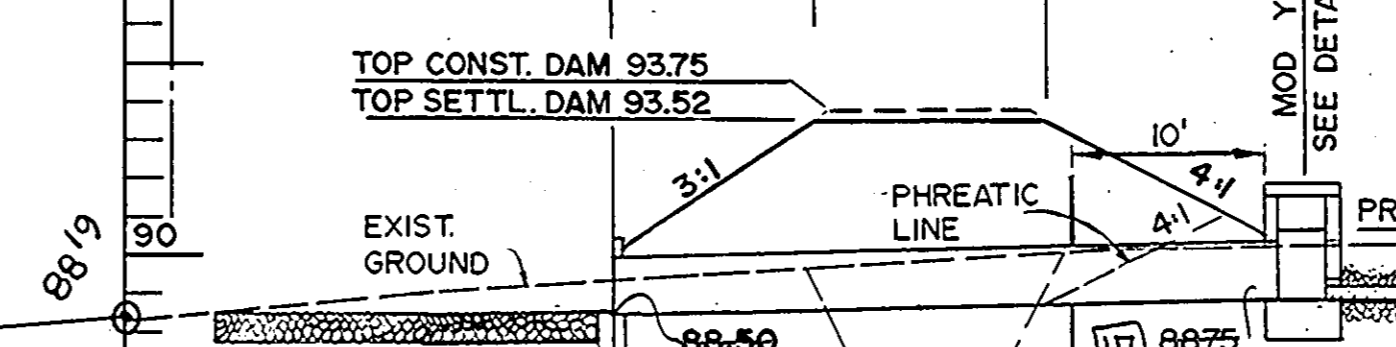
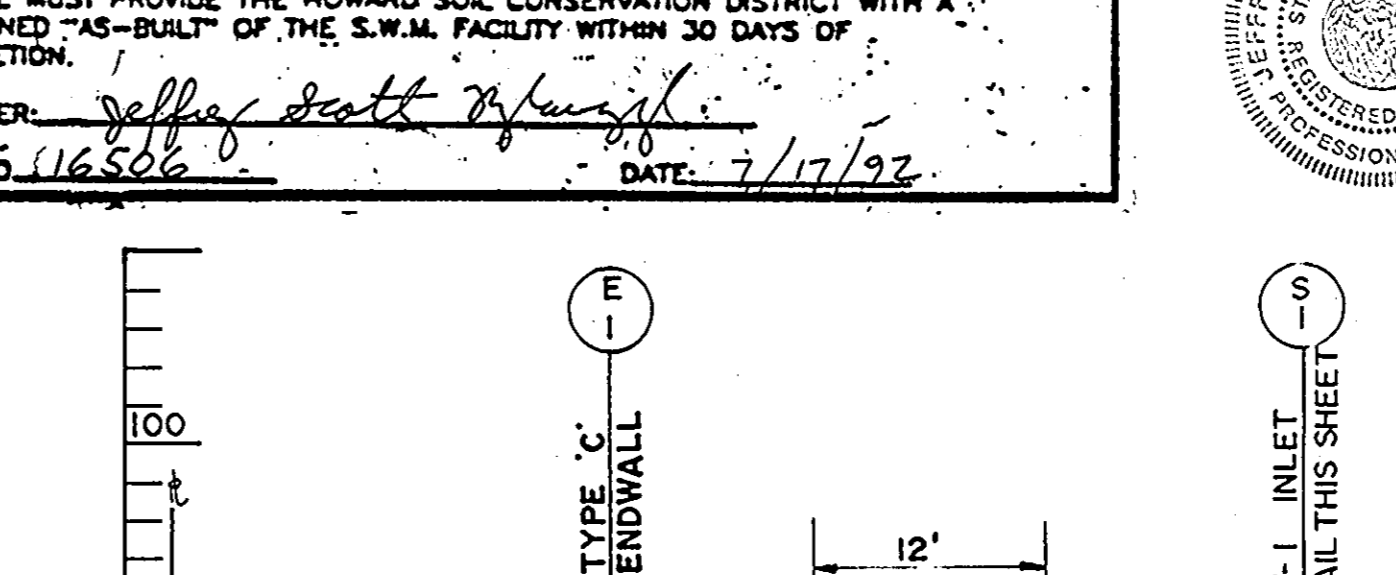
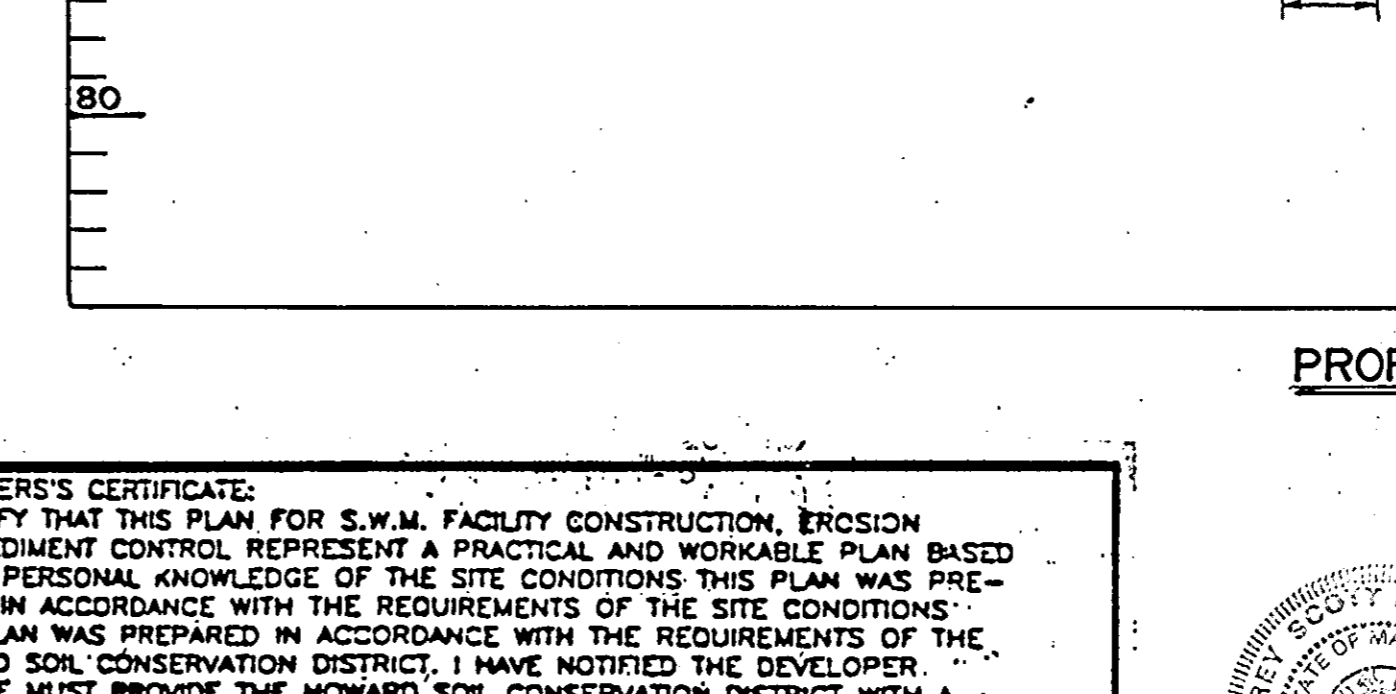
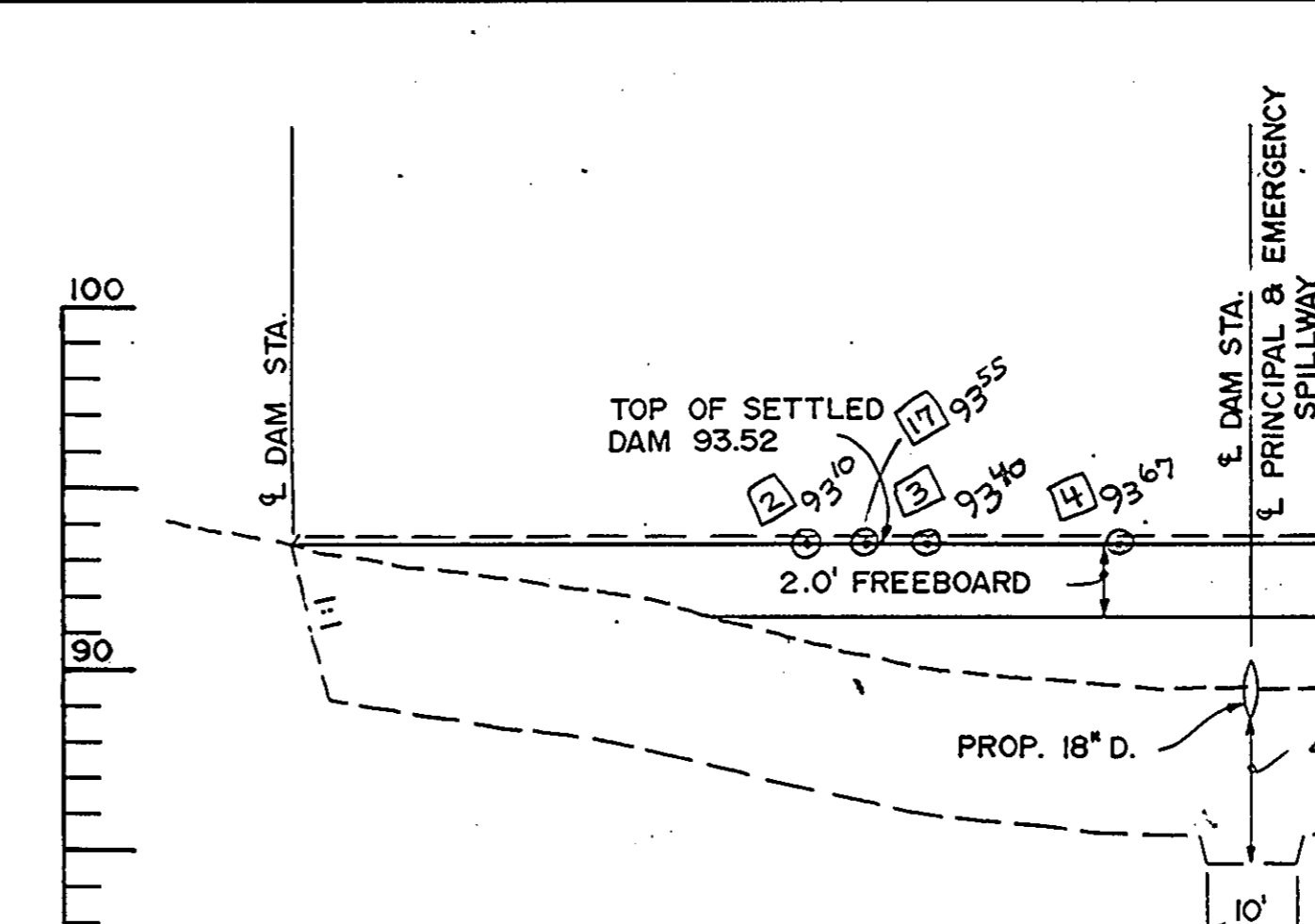
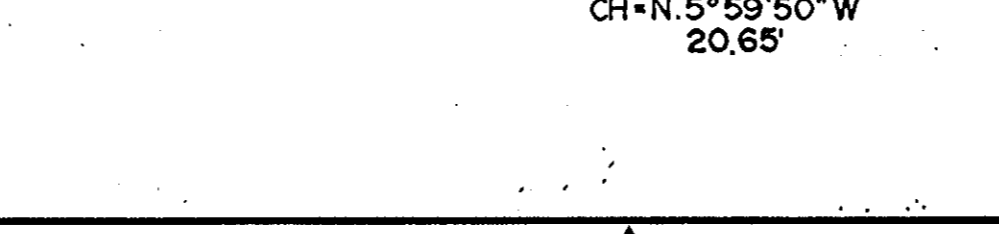
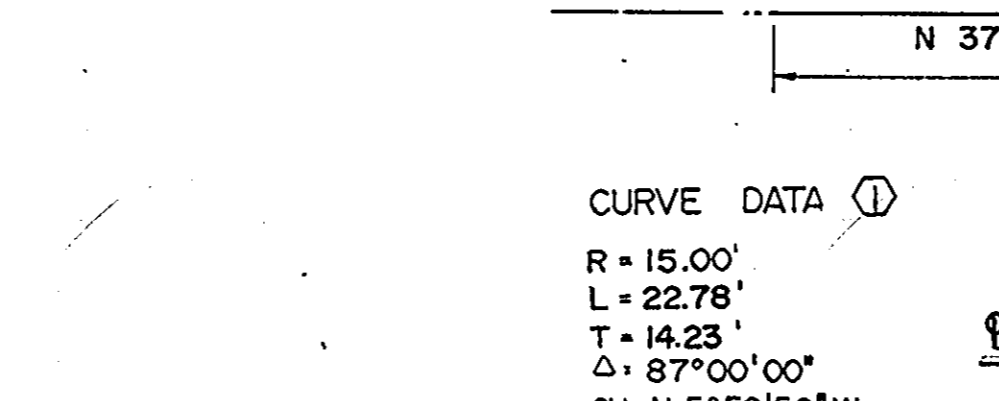
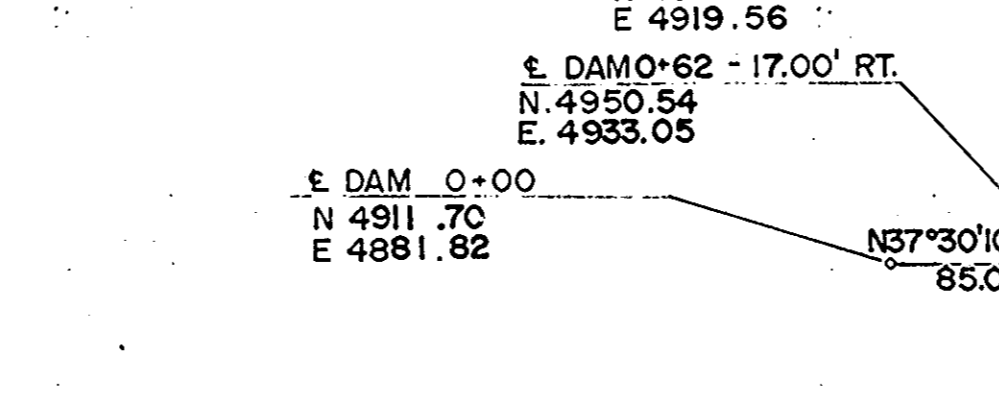
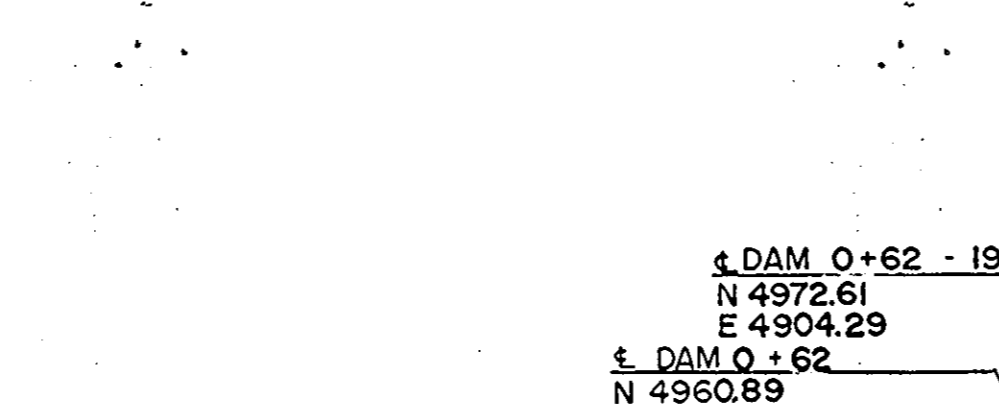
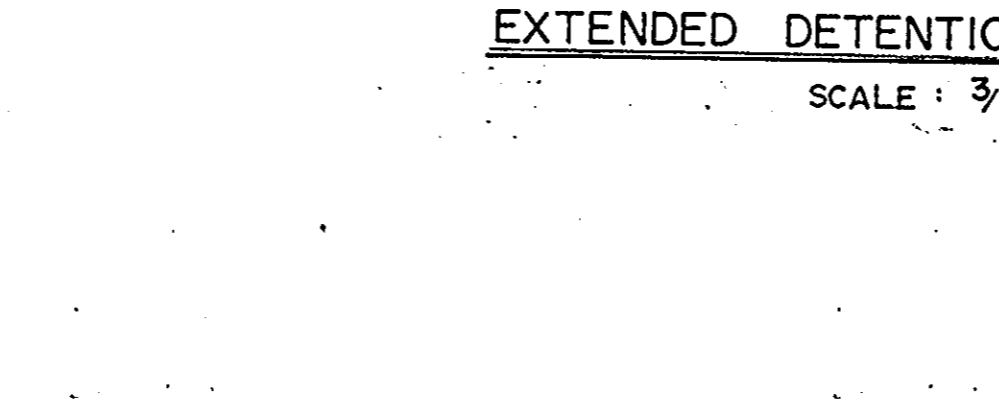
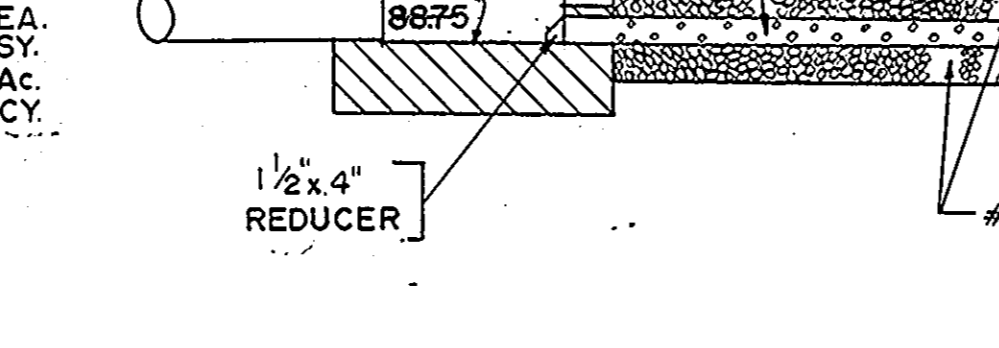
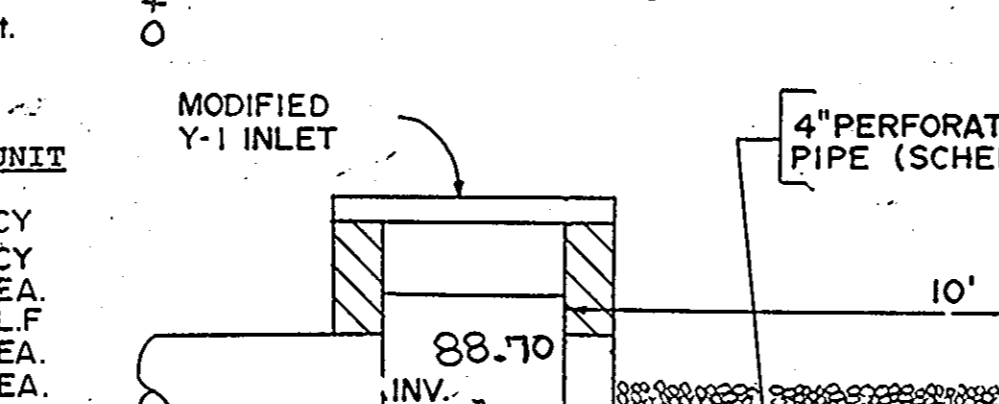
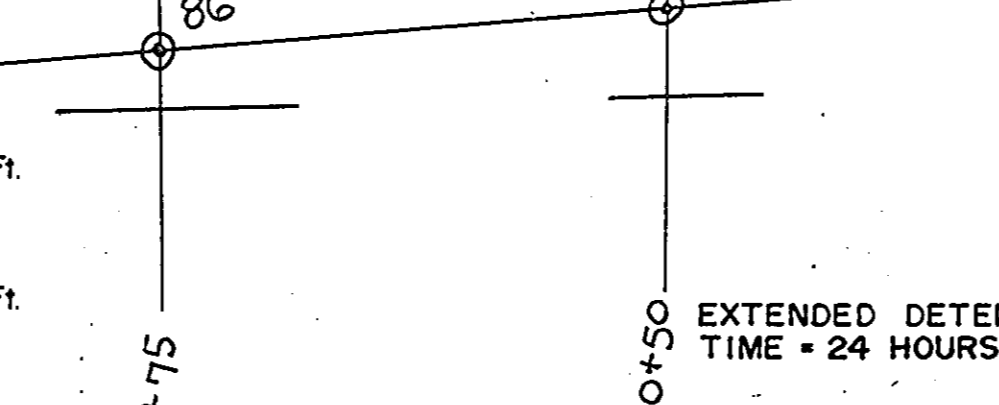
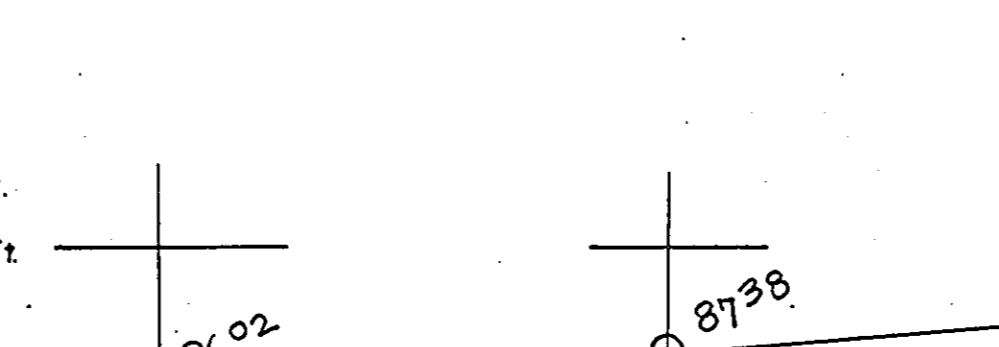
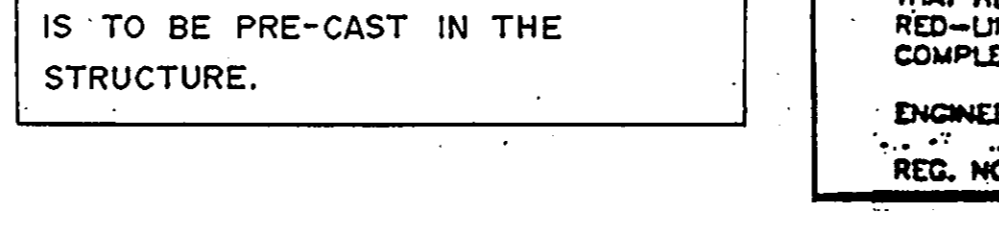
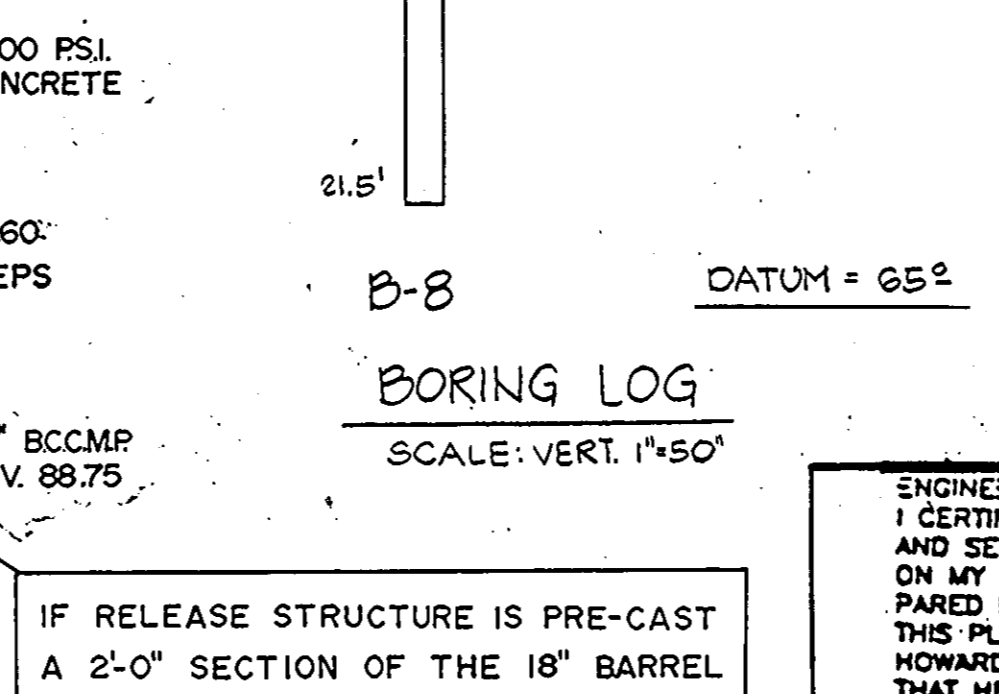
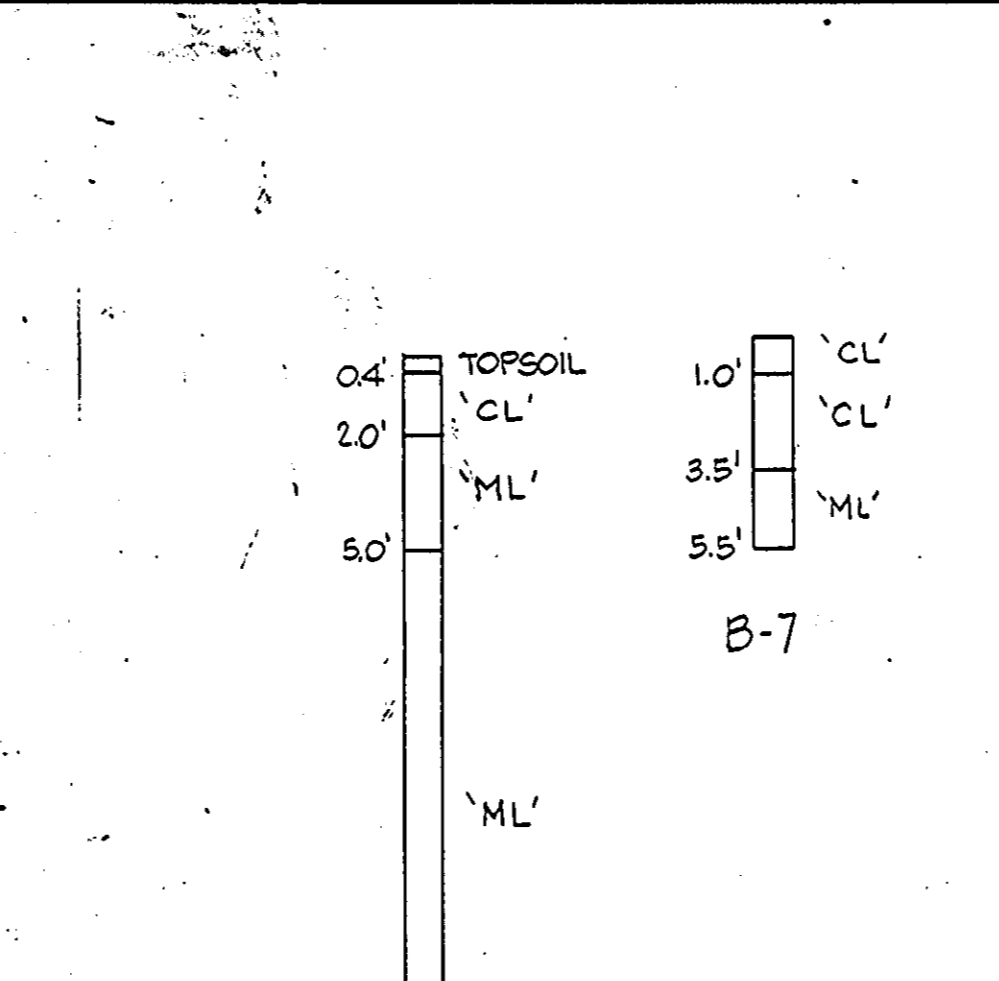
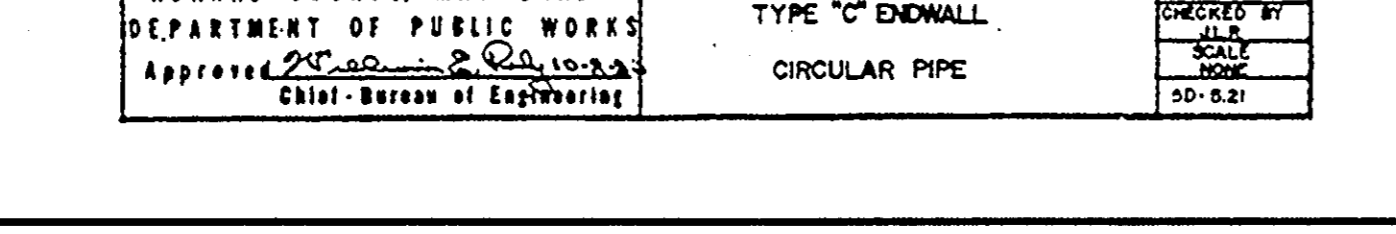
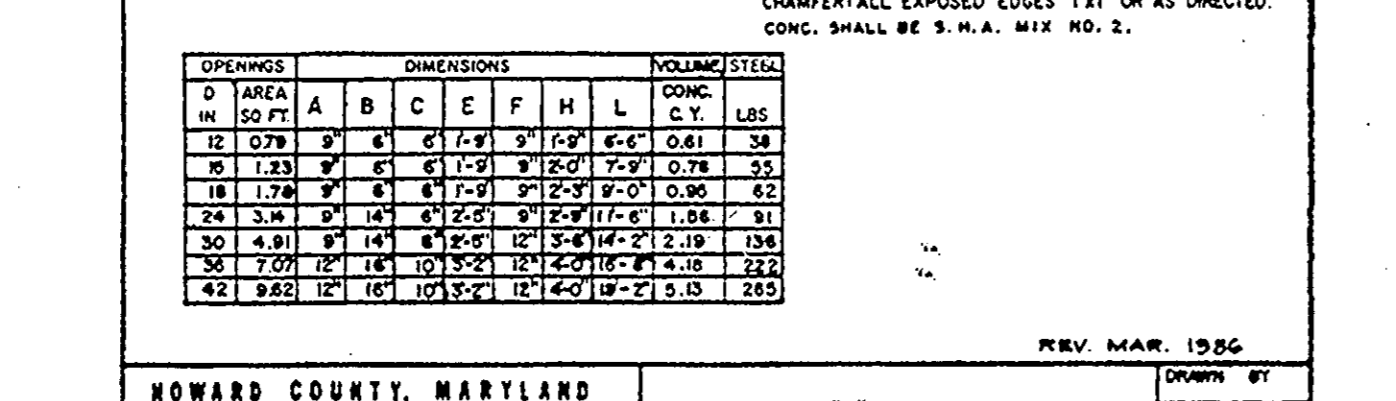
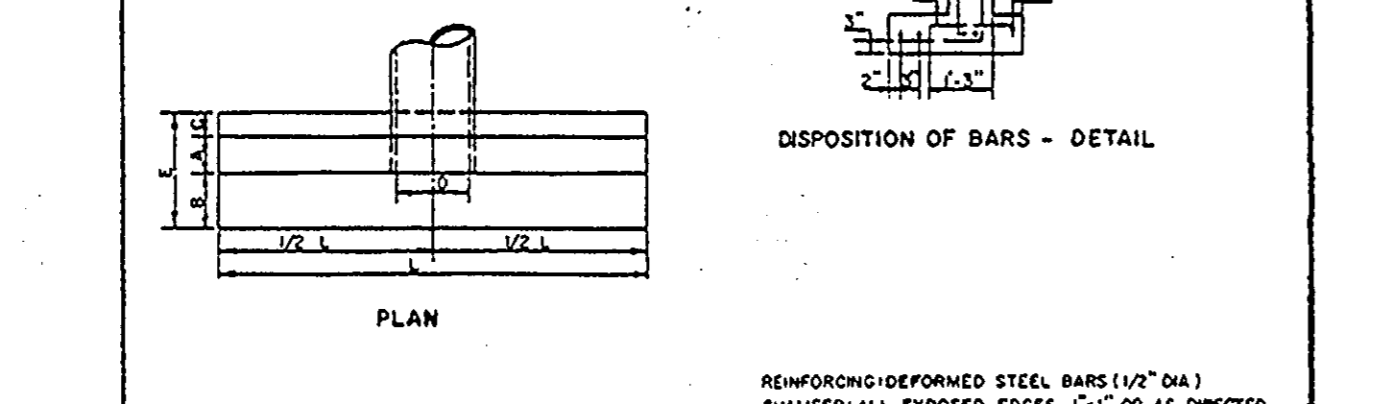
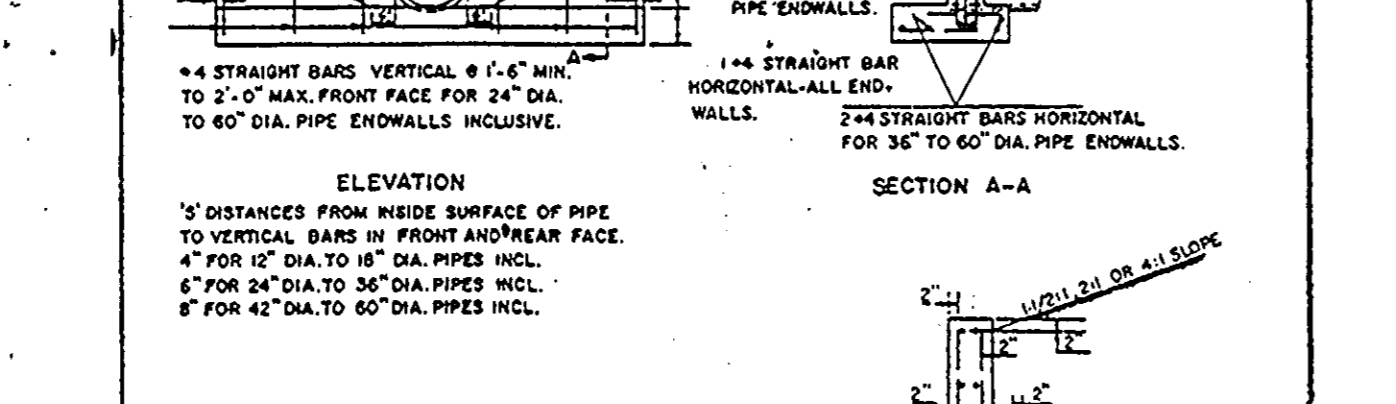
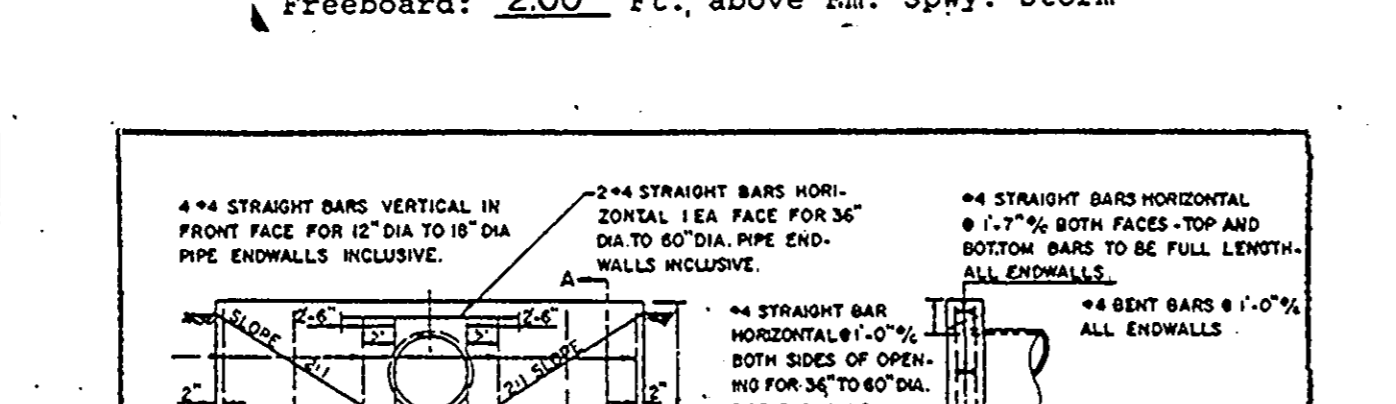
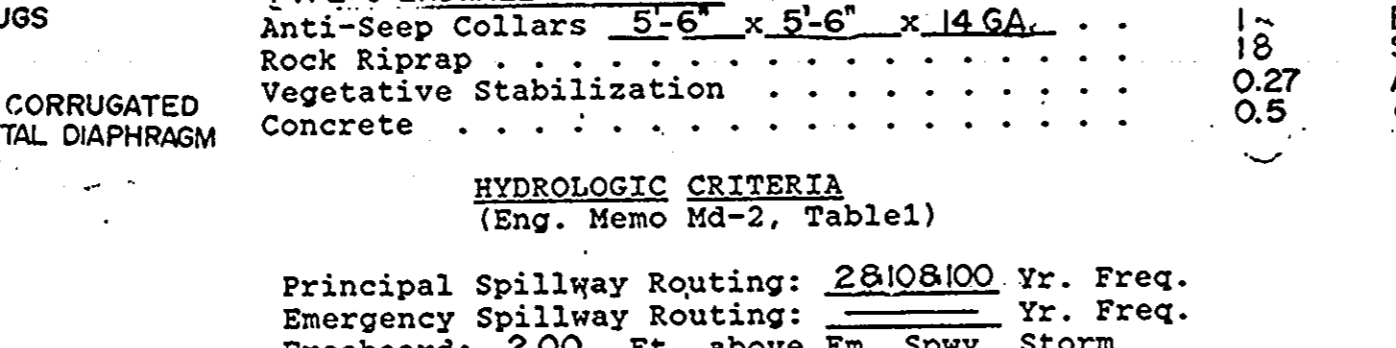
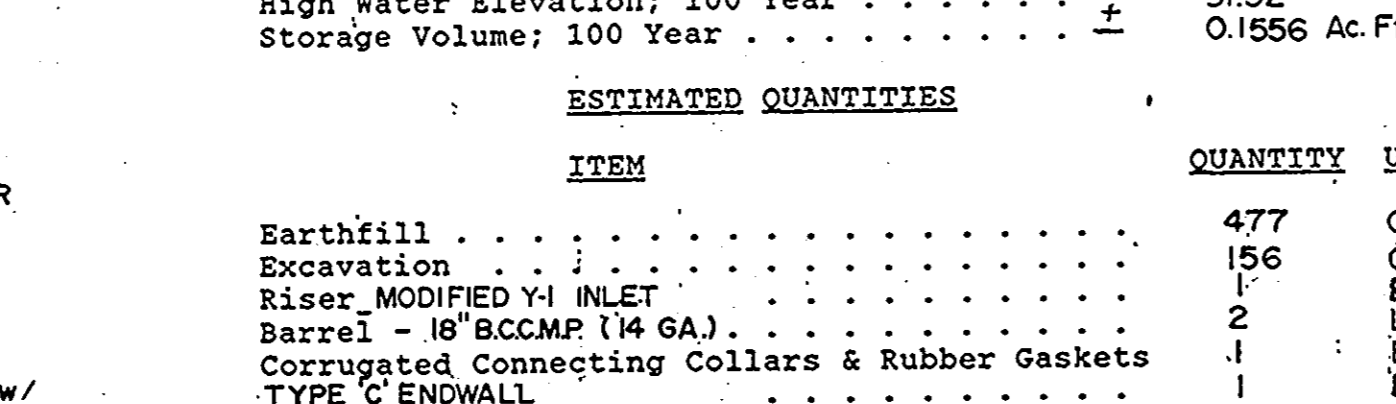
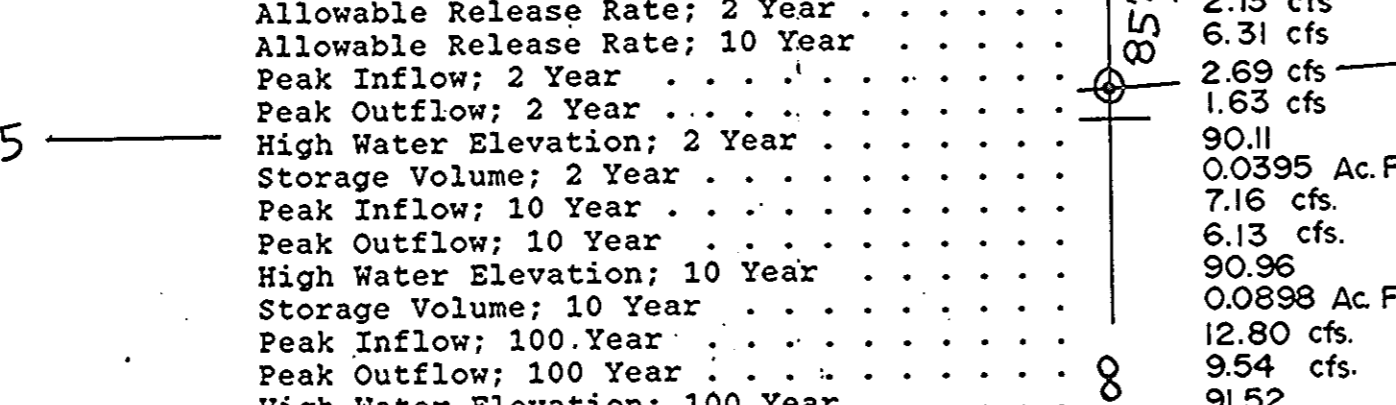
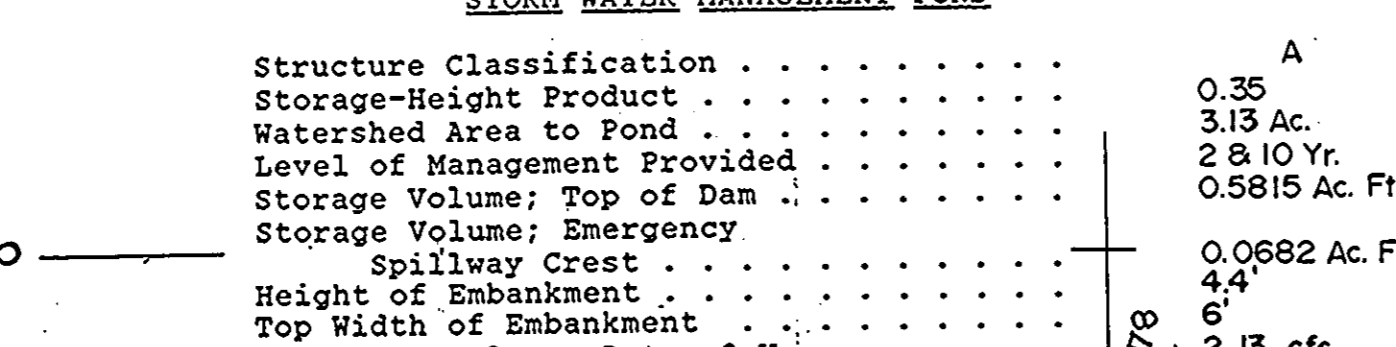
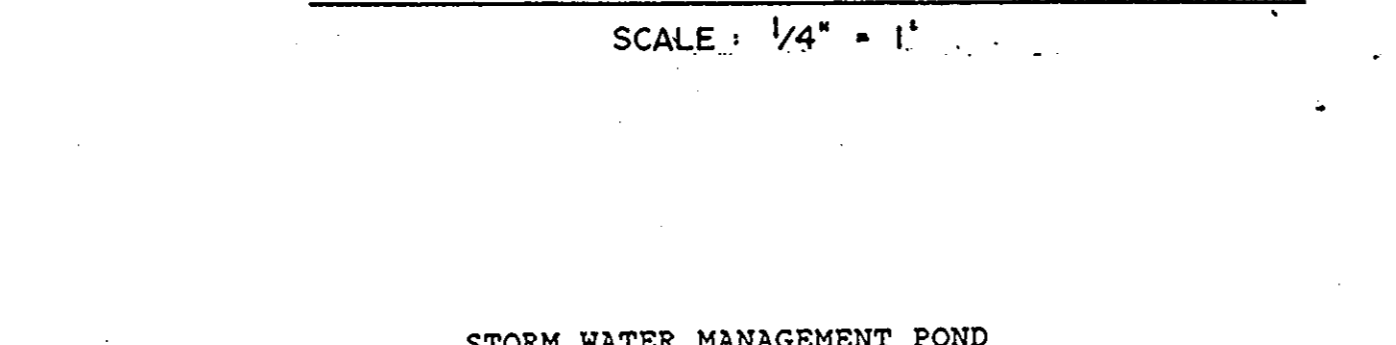
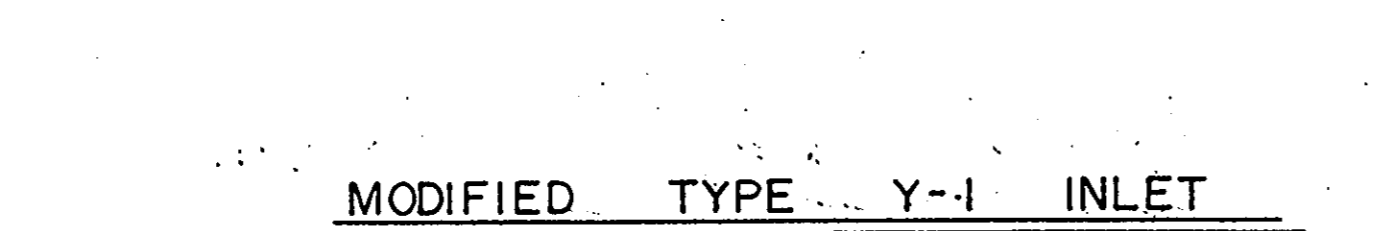
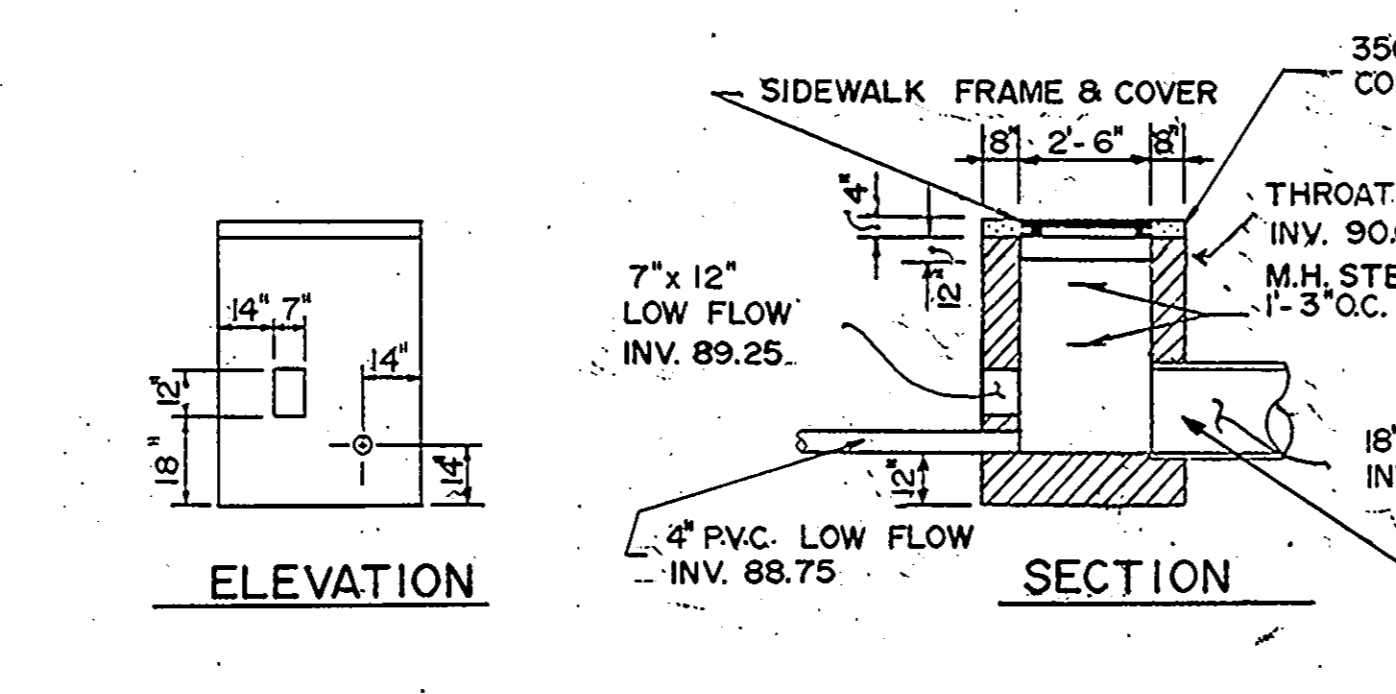
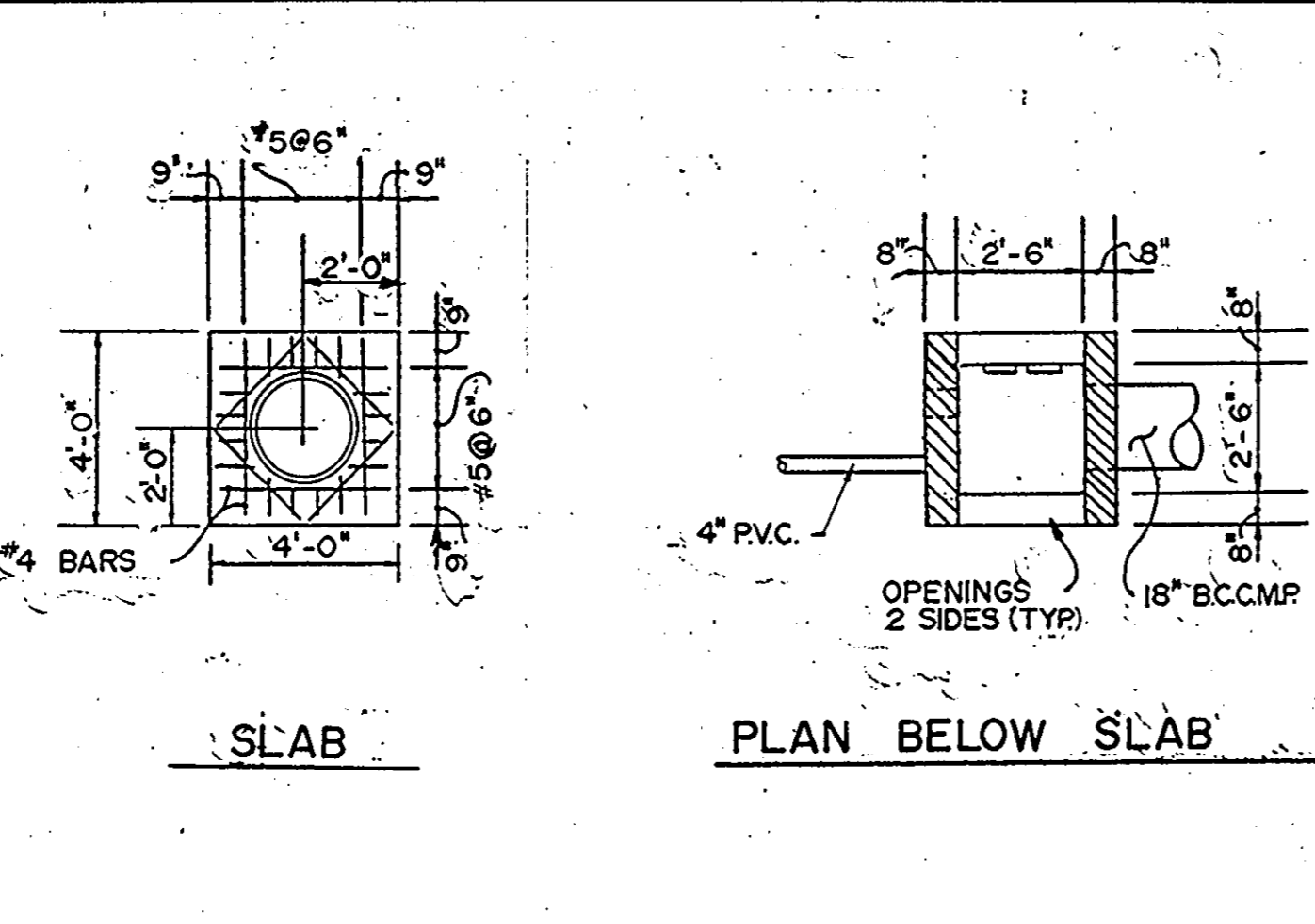
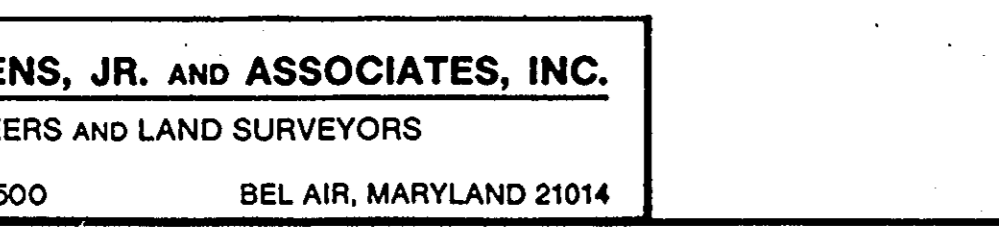
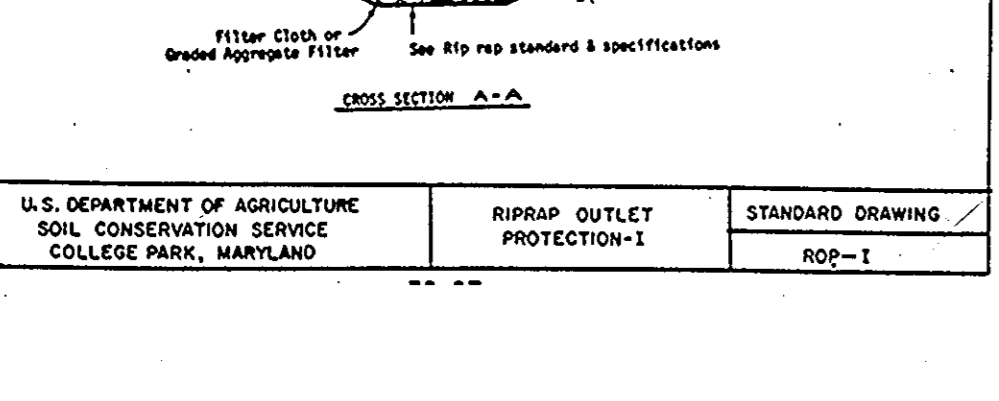
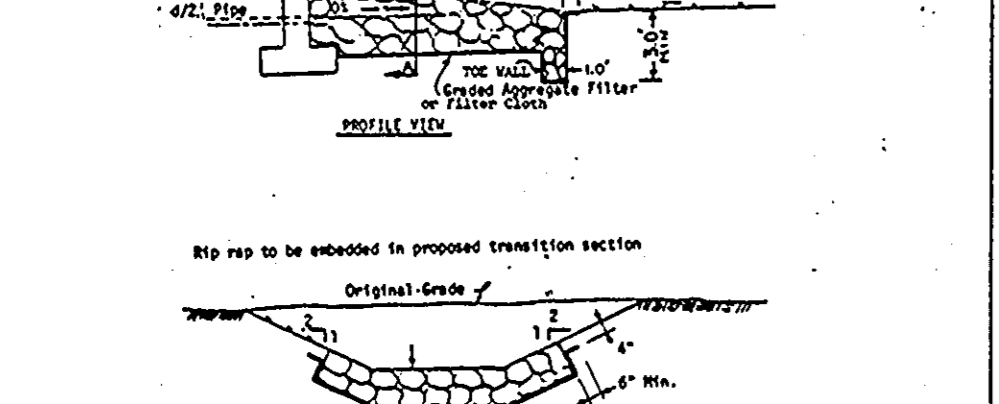
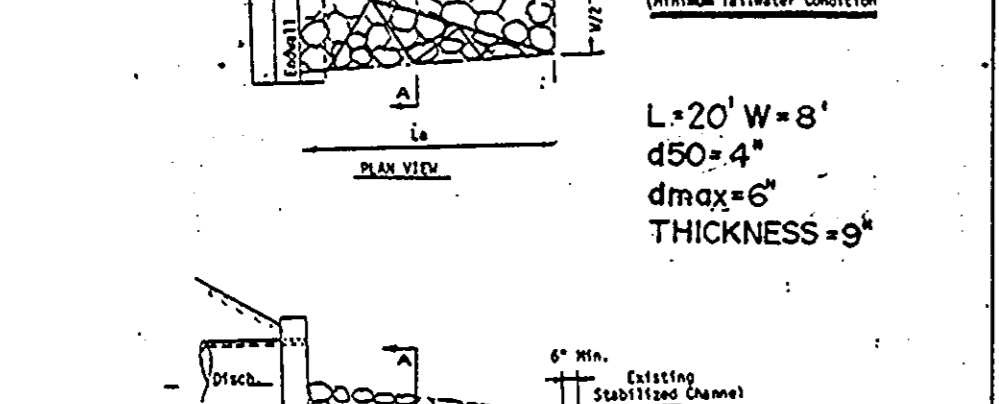
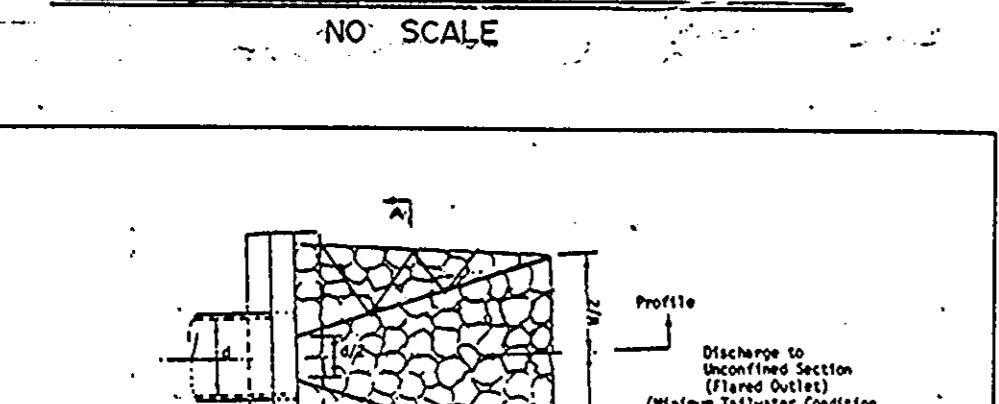
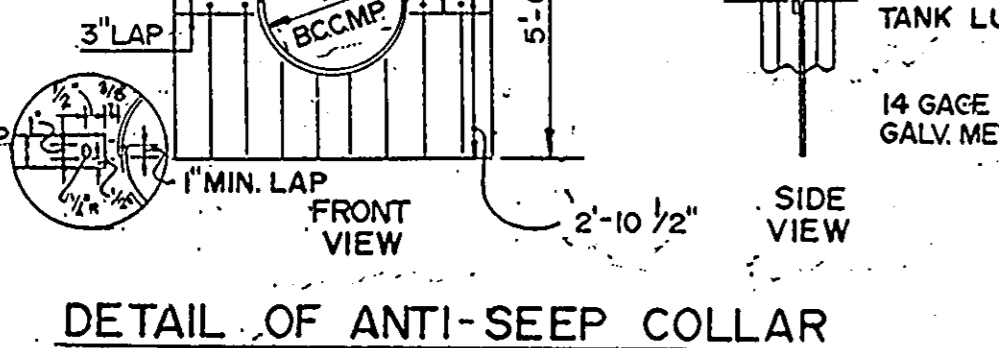
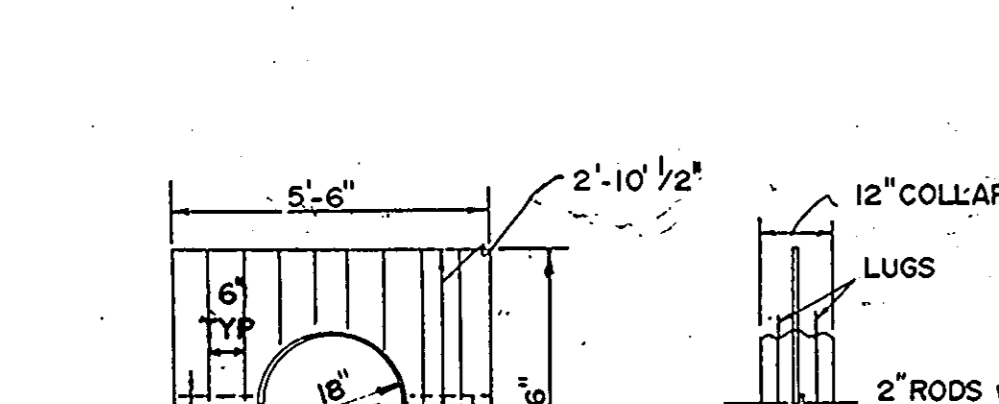
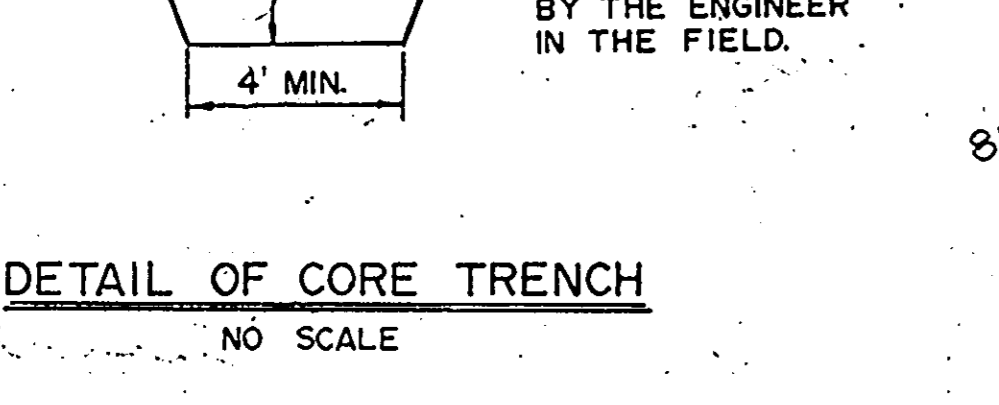
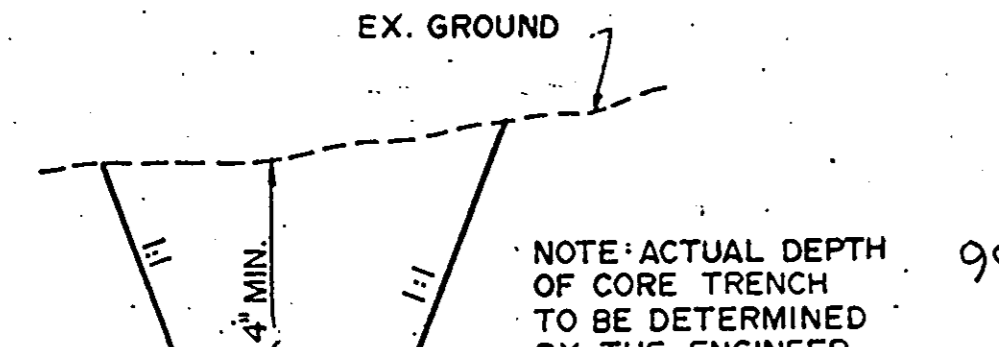
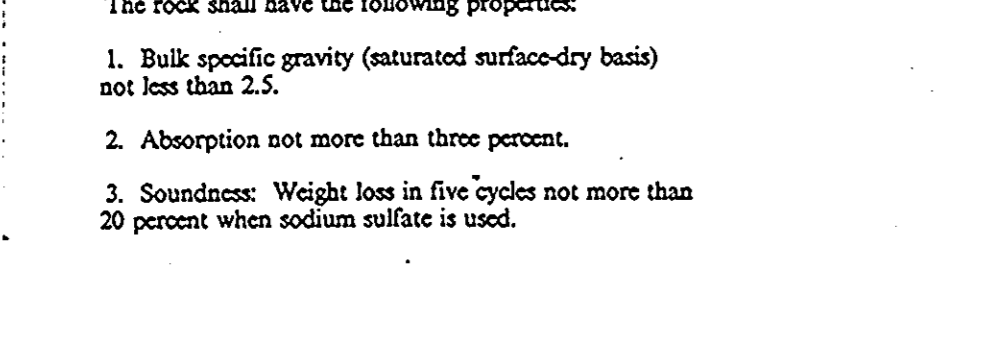
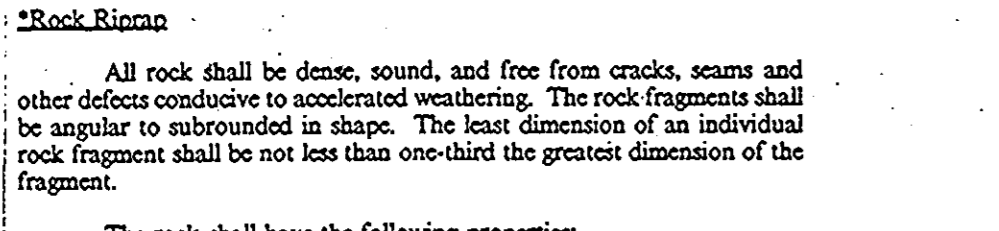
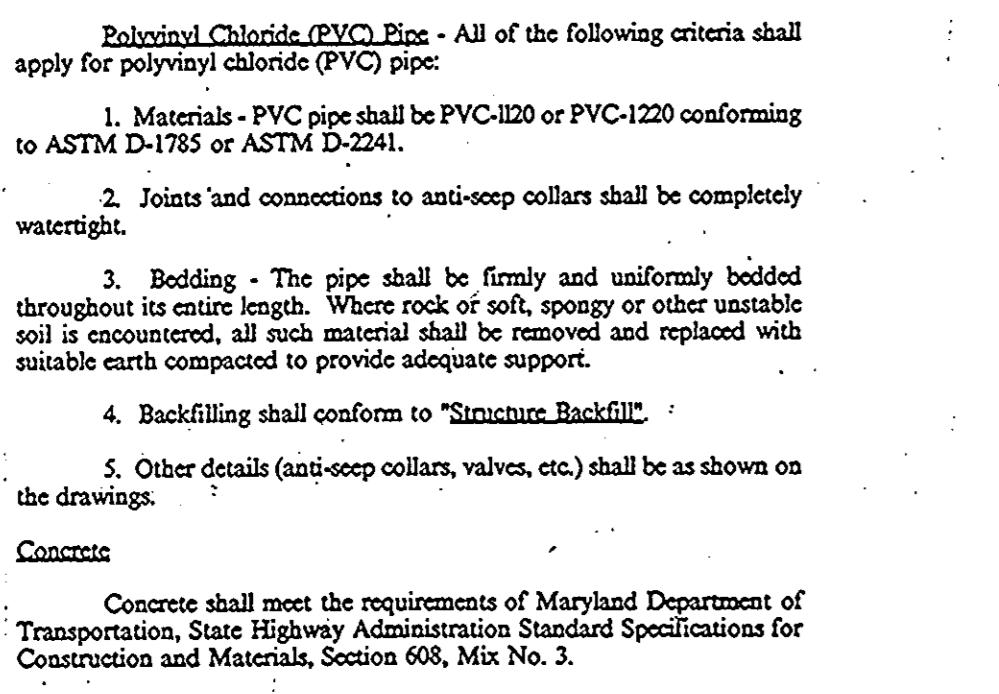
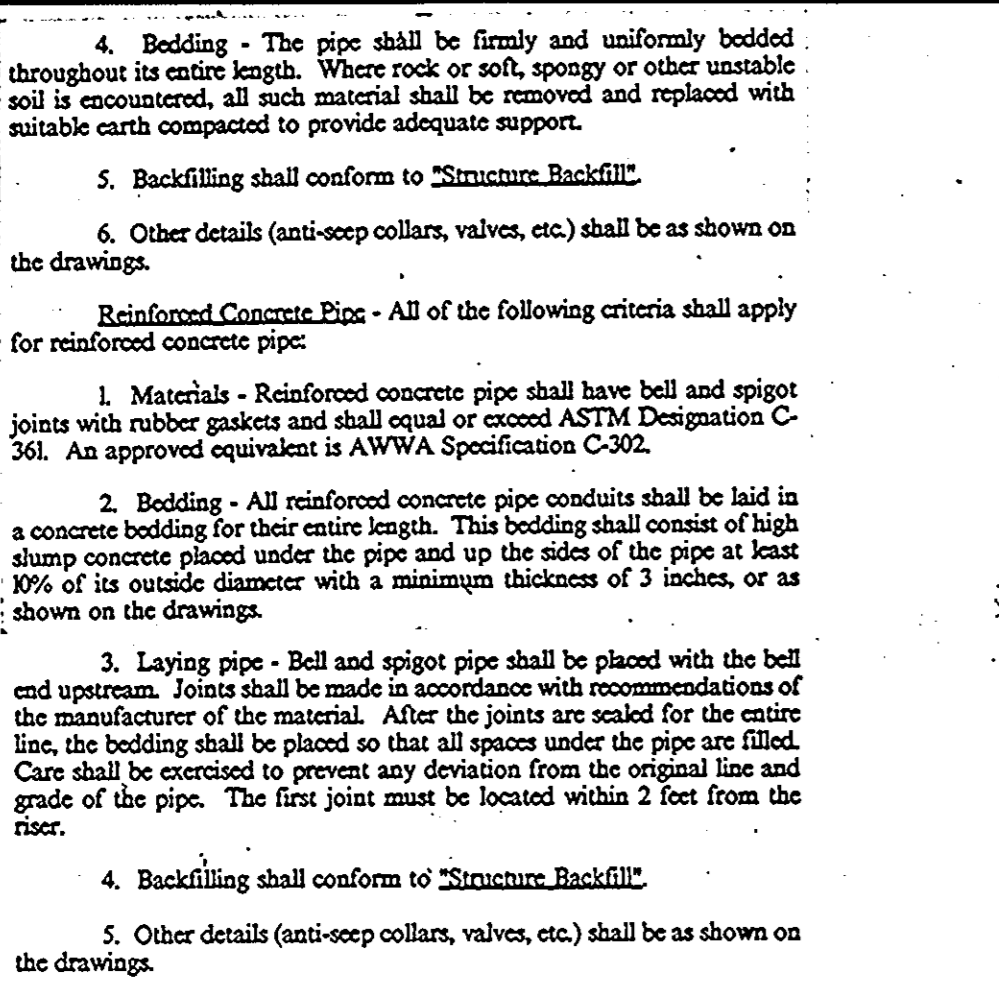
Materials - (Aluminum Coated Steel Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-190 or M-211 with water tight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be between 4 and 9.

2. Coupling bands, anti-seep collars, and sections, etc., must be composed of the same material as the pipe. Metals must be installed free of dissimilar materials with use of rubber or plastic insulating materials at least 24 mils in thickness.

3. Connections - All connections with pipes must be completely watertight. The drain pipe or riser shall be welded all around when the pipe and riser are metal. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight. Dimple bands are not considered to be watertight.

* All connections shall use a rubber or neoprene gasket when joining pipe sections. The end of each pipe shall be re-rolled an adequate number of corrugations to accommodate the band width. The following type connections are acceptable for pipes less than 48" in diameter. Changes on both ends of the pipe, a 12" wide by 3/8" thick closed cell circular neoprene gasket; and a 12" wide by 3/8" thick rubber type band with O-ring gaskets having minimum diameter of 1/2" greater than the corrugation depth. Pipes 48" in diameter and larger shall be connected by a 24" long annular corrugated band using rods and nuts. A 12" wide by 3/8" thick closed cell circular neoprene gasket will be installed on the end of each pipe for a total of 24".

Horizontally corrugated pipe shall have either continuously welded seams or have lock seams.



ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR S.W.M. FACILITY 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 STATE OF MARYLAND SOL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER, THAT HE MUST PROVIDE THE HOWARD SOL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

ENGINEER: *[Signature]*
 REG. NO. 116506 DATE: 7/17/92

DEVELOPER'S CERTIFICATE
 I 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 DEPT. OF NATURAL RESOURCES APPROVED PROGRAM FOR ATTENDANCE AT THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DONATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOL CONSERVATION DISTRICT. I WILL PROVIDE THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

DEVELOPER: *[Signature]* DATE: 7/22/92

Handwritten notes:
 Parcel No. August 27
 7-11-95
 (See sheets)
 These A-B's with are accurate and complete and the pond is constructed with the requirements of the standards and specifications for ponds.

OWNER / DEVELOPER
 BALTIMORE GAS & ELECTRIC COMPANY
 1000 BRANDON SHORES ROAD
 BALTIMORE, MD. 21226
 PHONE 410-787-5129

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOL CONSERVATION DISTRICT & MET THE TECHNICAL REQUIREMENTS FOR SMALL-POND-CONSTRUCTION: SOIL EROSION AND SEDIMENT CONTROL.

[Signature] 8/1/92
 SOL CONSERVATION SERVICE

THESE PLANS FOR SMALL-POND-CONSTRUCTION: SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD SOL CONSERVATION DISTRICT.

APPROVED: *[Signature]* 8/1/92
 HOWARD SOL CONSERVATION DISTRICT

PLAN NUMBER

APPROVED: W/0-PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS - HOWARD COUNTY HEALTH DEPARTMENT.
 REVIEWED: R/G FACILITIES REQUIRED

[Signature] 8/15/92
 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 DIRECTOR

[Signature] 10/16/92
 CHIEF DIVISION OF COUNTY PLANNING & LAND DEVELOPMENT

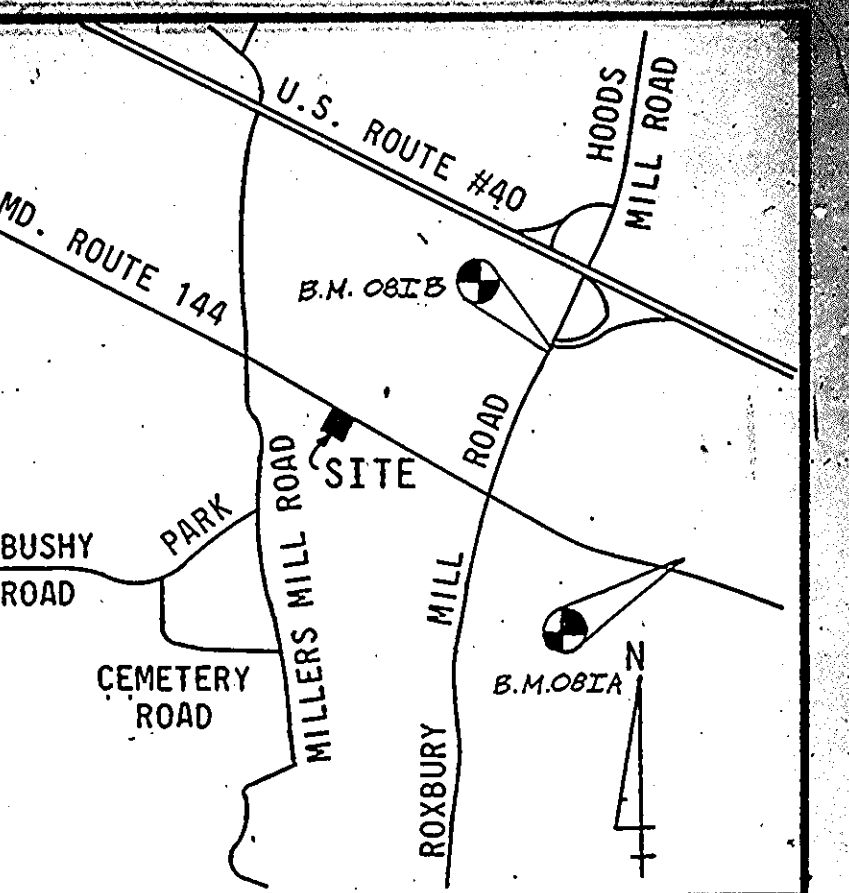
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 DIRECTOR

[Signature] 10/8/92
 CHIEF-BUREAU OF ENGINEERING

Rev	Date	J.O./Est. No.	Description	Approved
	MAR/1992	EC1533	INST 25 MVA, 34.5-13KV SUB-STATION W/4 FDORS.	<i>[Signature]</i> 9/1/92

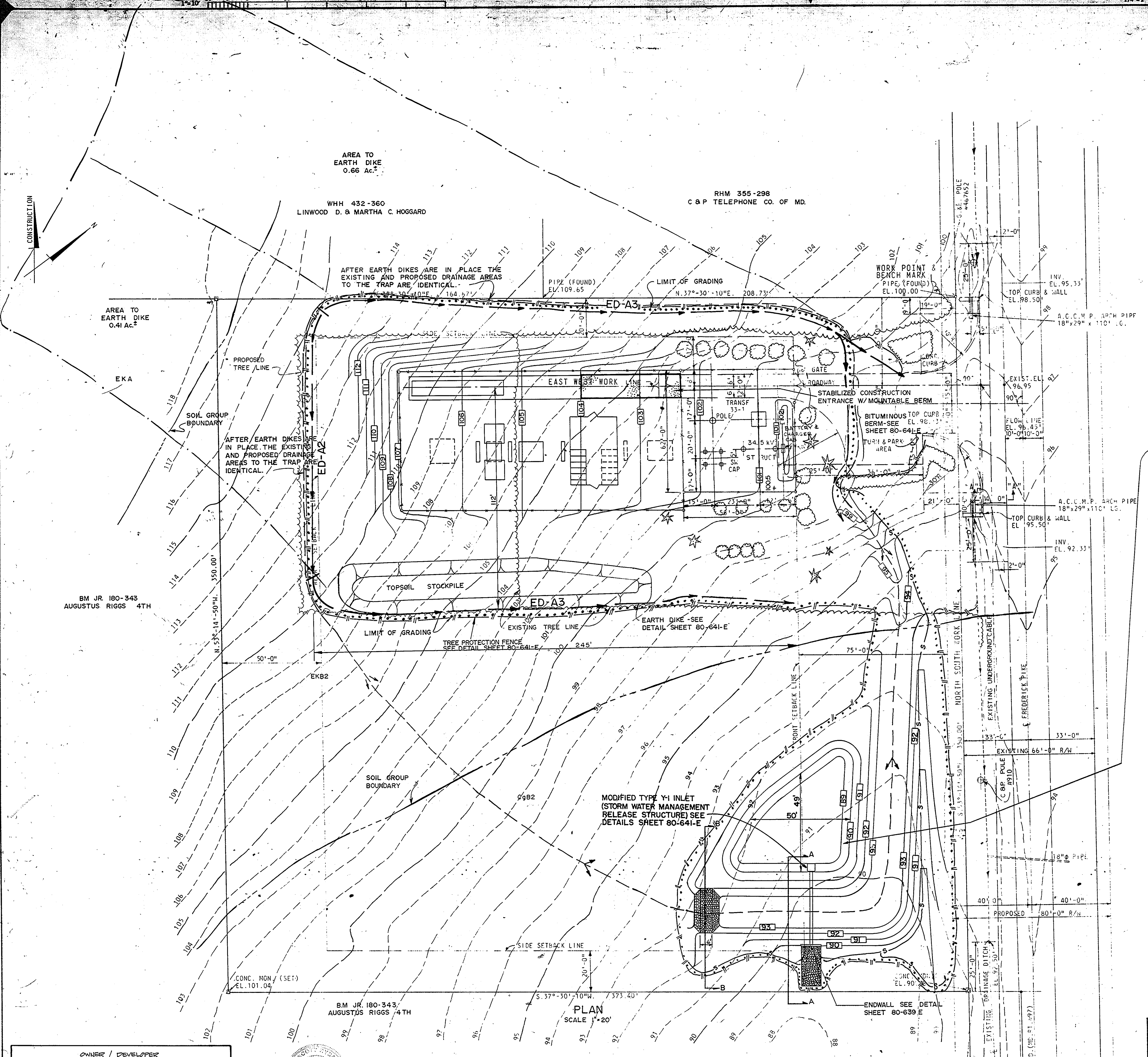
ENGINEERING	STORM WATER MANAGEMENT
Elect.	DETAILS
Proj. Engr.	
Prin. Engr.	
Supv. Engr.	
DESIGN GROUP	BGE&E 34.5-13KV SUBSTATION
Checked	COOKVILLE HOWARD COUNTY
Date	14725 FREDERICK ROAD
Appr. Date	BALTIMORE GAS AND ELECTRIC COMPANY
	DISTRIBUTION & TRANSMISSION ENGINEERING DEPT.
	SYSTEM ENGINEERING SECTION
Microfilm	File
Dwg. No. 80-639-E	Scale AS SHOWN
Rev.	

SOIL DATA	
SOIL TYPES:	CgB2 CHESTER CgC3 CHESTER EKA ELIOAK EB2 ELIOAK
HYDRIC SOILS:	NONE
HYDRIC INCLUSIONS:	NONE
SIGNIFICANT EROSION POTENTIAL:	NONE

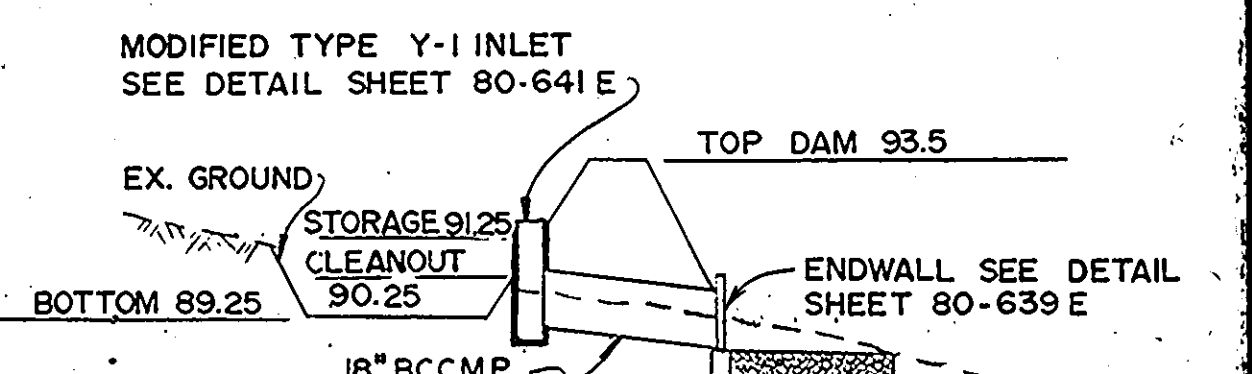


VICINITY PLAN
SCALE: 1"=2000'
B.M. 081A N 183,217.7955 E 379,464.0462 ELEV. 150.5
B.M. 081B N 183,872.1758 E 378,337.1266 ELEV. 149.7

WHH 432-360
LINWOOD D. & MARTHA C. HOGGARD
RHM 355-298
C & P TELEPHONE CO. OF MD.

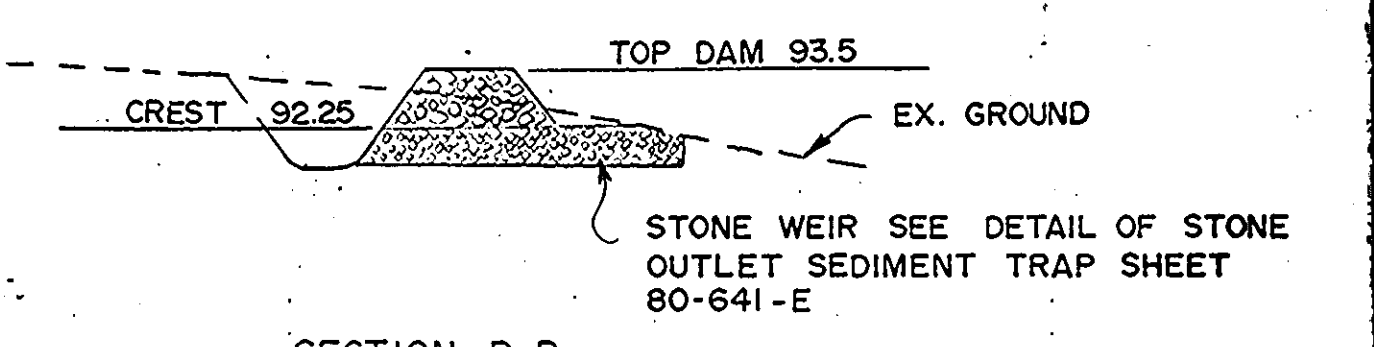


STORM WATER MANAGEMENT POND TO BE USED AS SEDIMENT TRAP
SEE SEQUENCE OF CONSTRUCTION SHEET 80-641-E
DRAINAGE AREA - 1.5 AC.±
STORAGE REQUIRED 2700 C.F.
STORAGE PROVIDED 4900 C.F.
SIZE OF TRAP 50x49x2
CLEANOUT ELEV. 90.25
BOTTOM ELEV. 89.25
STORAGE ELEV. 91.25
CREST ELEV. 92.25



SECTION A-A
SEDIMENT TRAP
NO SCALE

STORAGE CALCULATIONS FOR TRAP
FOR AVERAGE MEASURE STORAGE AT CLEANOUT ELEVATION 50x49x2 = 4900 C.F.



SECTION B-B
SEDIMENT TRAP
NO SCALE

LEGEND	
EXISTING CONTOURS	--- 250 ---
PROPOSED CONTOURS	--- 220 ---
EXISTING DRAINAGE AREA	---
PROPOSED DRAINAGE AREA	---
INLET PROTECTION	□
TREE PROTECTION FENCE	---
DIKE	---
SILT FENCE	---
LIMIT OF DISTURBANCE	.....
SOIL GROUP BOUNDARY	.....

NOTE: CONTRACTOR RESPONSIBLE FOR PROVIDING AN APPROVED SEDIMENT CONTROL PLAN FOR EXCESS CUT MATERIAL.

SITE ANALYSIS

- TOTAL DISTURBED AREA = 1.13 AC.±
- AREA TO BE VEGETATIVELY STABILIZED = 0.81 AC.±
- STONE COVERED AREA = 0.26 AC.±
- AREA IN PAVING = 0.06 AC.±
- GRADING QUANTITIES -
CUT = 1200 C.Y.
FILL = 600 C.Y.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND GENERATION, SOIL EROSION AND SEDIMENT CONTROL.

James A. Hill / Jos. 8/1/92
HOWARD SOIL CONSERVATION SERVICE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL, MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: Jeff Z. Hill 8/1/92
HOWARD SOIL CONSERVATION DISTRICT

PLAN NUMBER

APPROVED: W.D. PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS - HOWARD COUNTY HEALTH DEPARTMENT.
REVIEWED: NO FACILITIES REQUIRED.

James M. Borland / Jos. 8/25/92
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

James R. Smith 10/16/92
DIRECTOR

Thomas J. Johnson 10/15/92
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

James M. Borland 10/8/92
DIRECTOR

James M. Borland 10/8/92
CHIEF BUREAU OF ENGINEERING

OWNER / DEVELOPER
BALTIMORE GAS & ELECTRIC COMPANY
100 BRANAN SQUARE ROAD
BALTIMORE, MD 21220
410-787-7929

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
203 E. BROADWAY 878-1500 BEL AIR, MARYLAND 21014

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR S.W.M. FACILITY CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT 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 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 A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.
ENGINEER: Jeffrey Scott Mearns
REG. NO. 16566 DATE: 7/17/92

DEVELOPER'S CERTIFICATE
I 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 DEPT. OF NATURAL RESOURCES APPROVED PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZED PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.
DEVELOPER: James M. Borland
DATE: 4/2/92

Rev	Date	No	Description	Approved
1	MAR 1992	1	INST. 25 MVA, 34.5-13 KV-SUB-STATION W/4 FDRS.	

ENGINEERING		SEDIMENT & EROSION CONTROL PLAN	
Civil
Elect.
Proj. Engr.
Prin. Engr.
Supv. Engr.

DESIGN GROUP
BGBE 34.5-13KV SUBSTATION
COOKVILLE HOWARD COUNTY
14725 FREDERICK ROAD

DESIGNER: GEO. W. STEPHENS
DRAWN:
CHECKED:
DATE: 4/2/92

BALTIMORE GAS AND ELECTRIC COMPANY
DISTRIBUTION & TRANSMISSION ENGINEERING DEPT.
SYSTEM ENGINEERING SECTION

SCALE 1"=201'-0"
NO. 80-640-E
REV: 30X

SDP 92-103 SHEET 4 OF 5

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION:
LOOSEN UPPER 3 INCHES BY DISCING, RAKING, OR OTHER ACCEPTABLE MEANS.

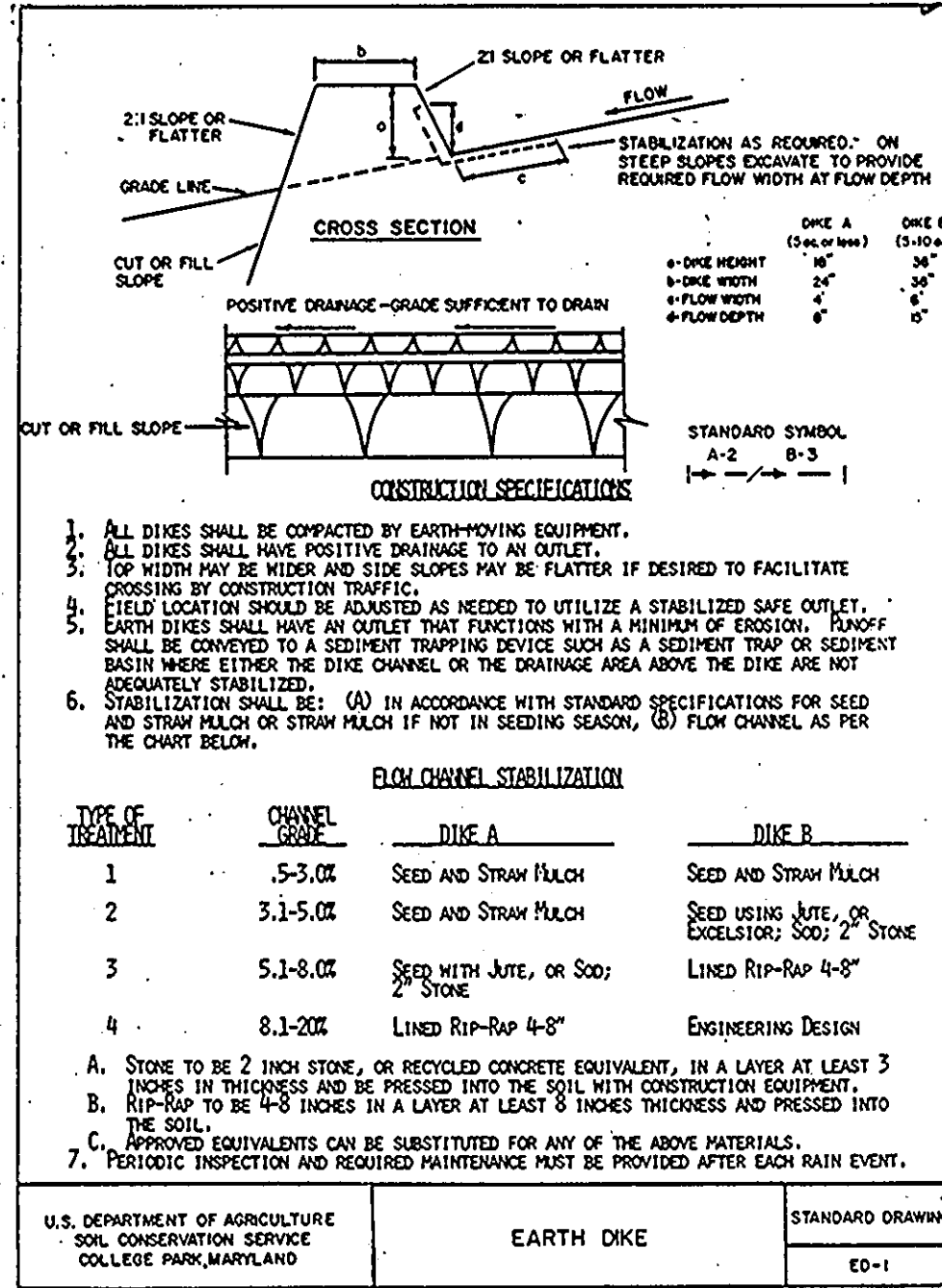
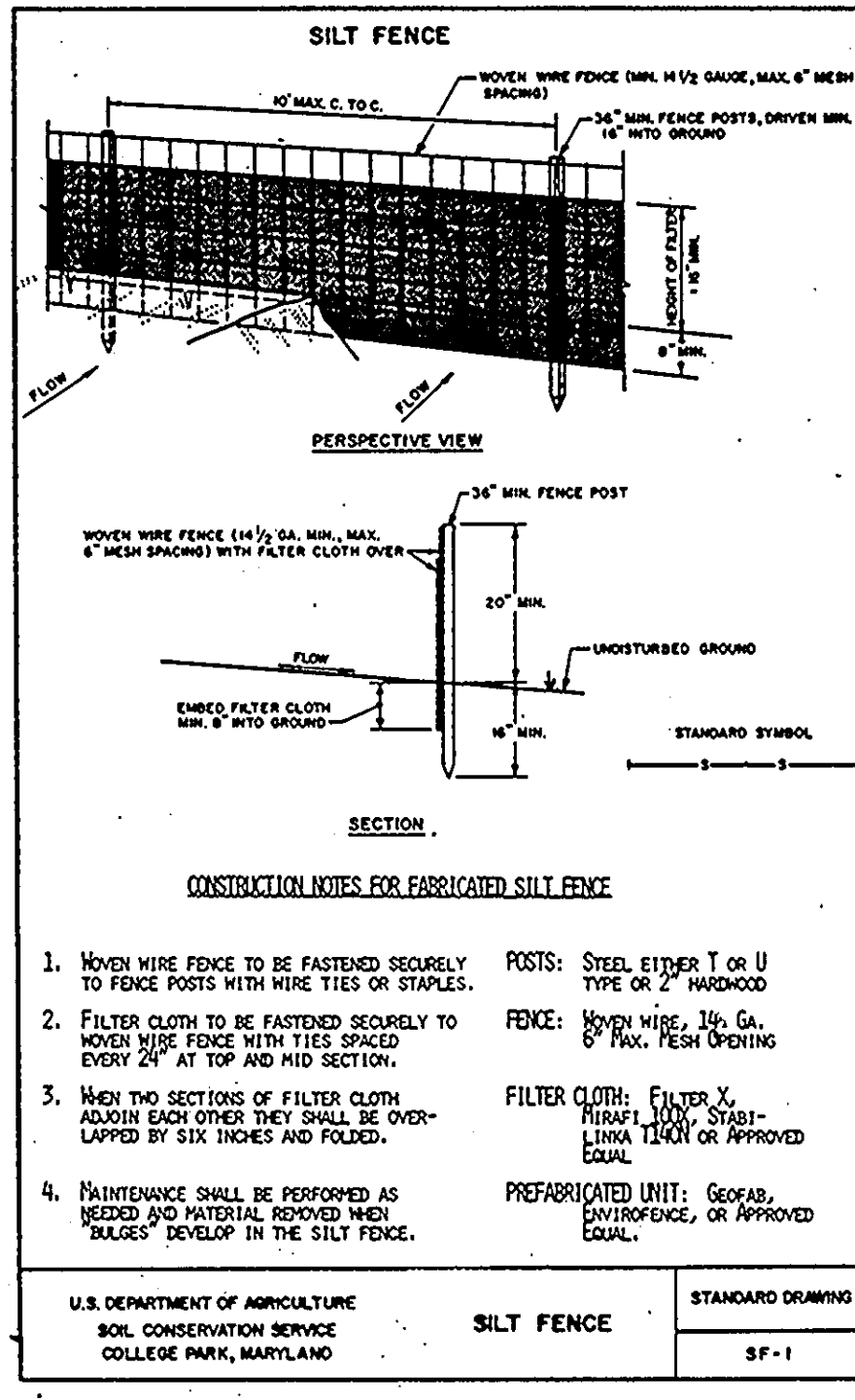
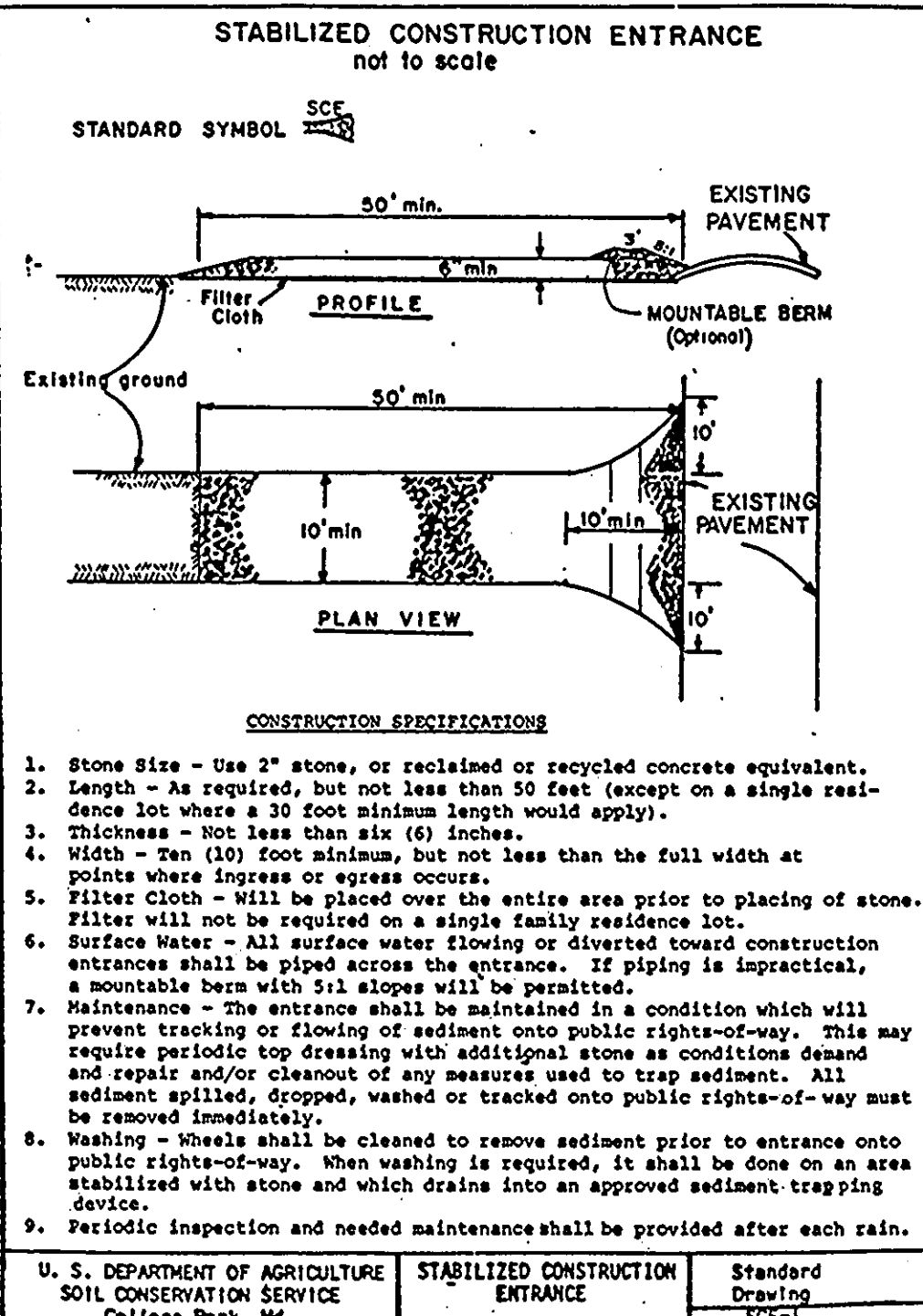
SOIL AMENDMENTS:
APPLY 60 LBS. PER ACRE (14 LBS./1,000 SQ. FT.) OF 10-10-10 FERTILIZER.

SEEDING:
FOR PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHELS PER ACRE (2 LBS./1,000 SQ. FT.) OF ANNUAL RYE. FOR THE PERIOD MAY 1 THRU AUGUST 14 SEED WITH 3 LBS./ACRE (0.07 LBS./1,000 SQ. FT.) OF WEEPING LOVEGRASS. FOR PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS/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./1,000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2 1/8 GALLONS/ACRE (5 GALLONS/1,000 SQ. FT.) OF MULCHIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER USE 3/8 GALLONS PER ACRE (6 GALLONS/1,000 SQ. FT.) FOR ANCHORING.

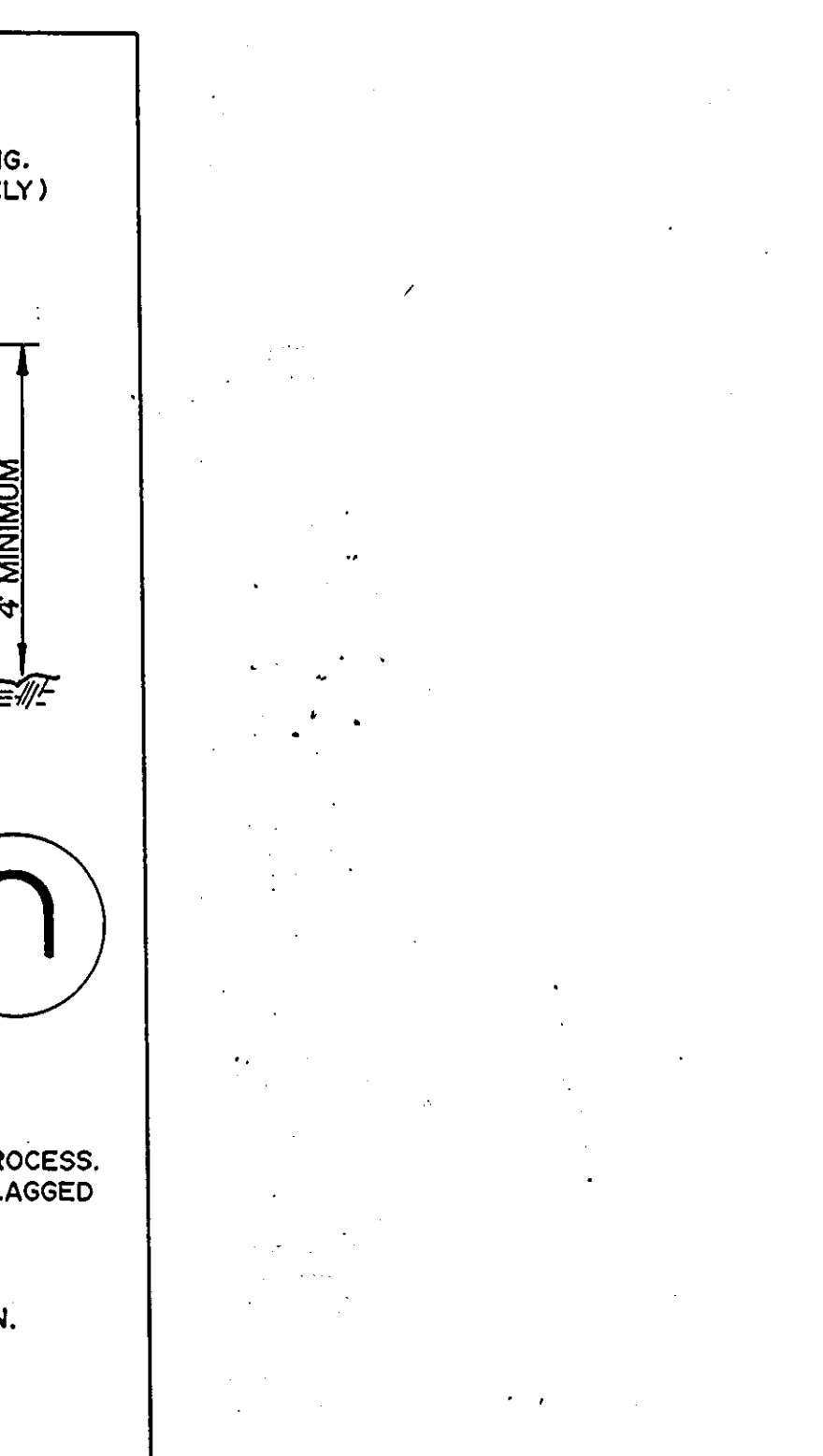
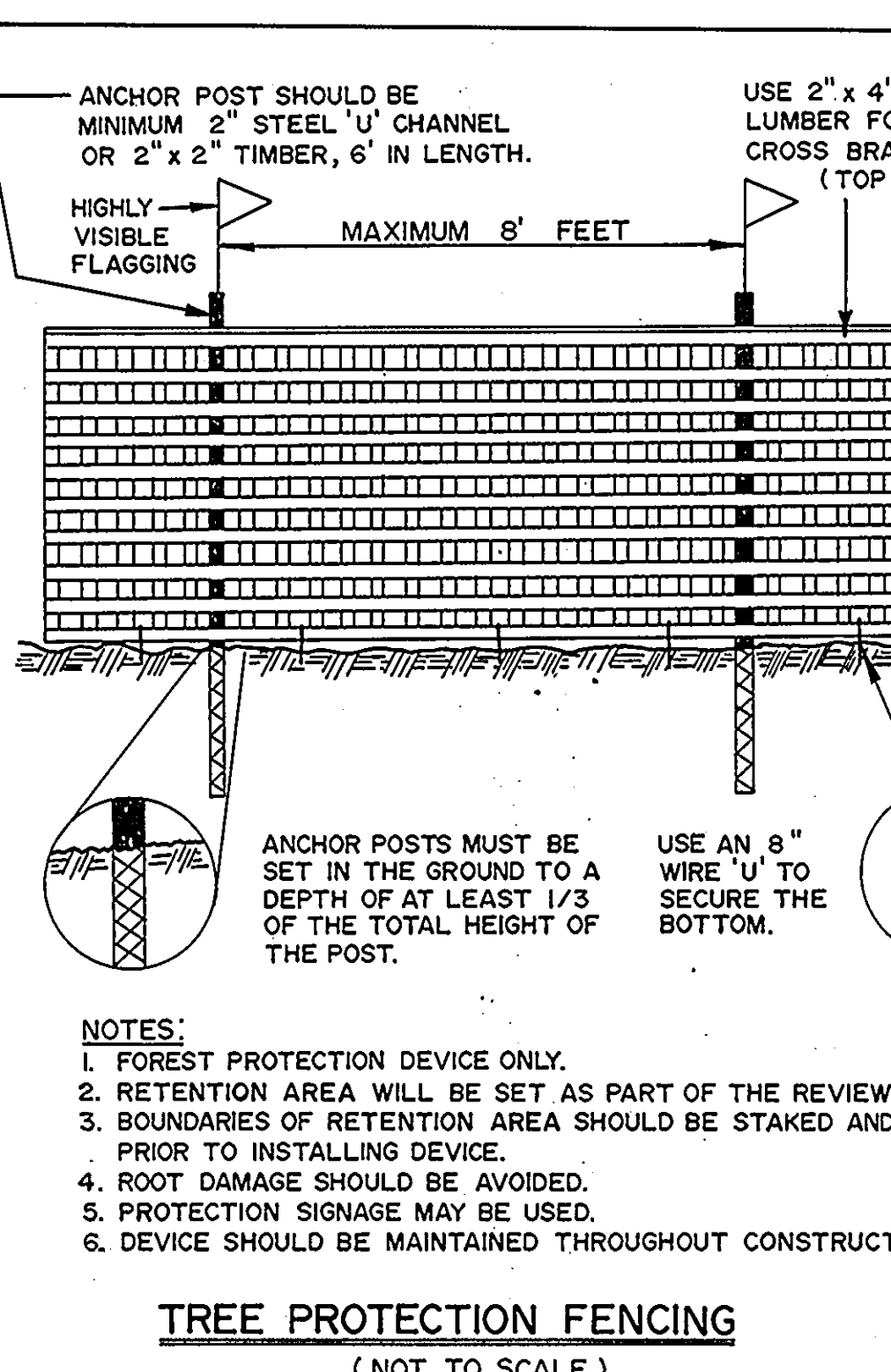
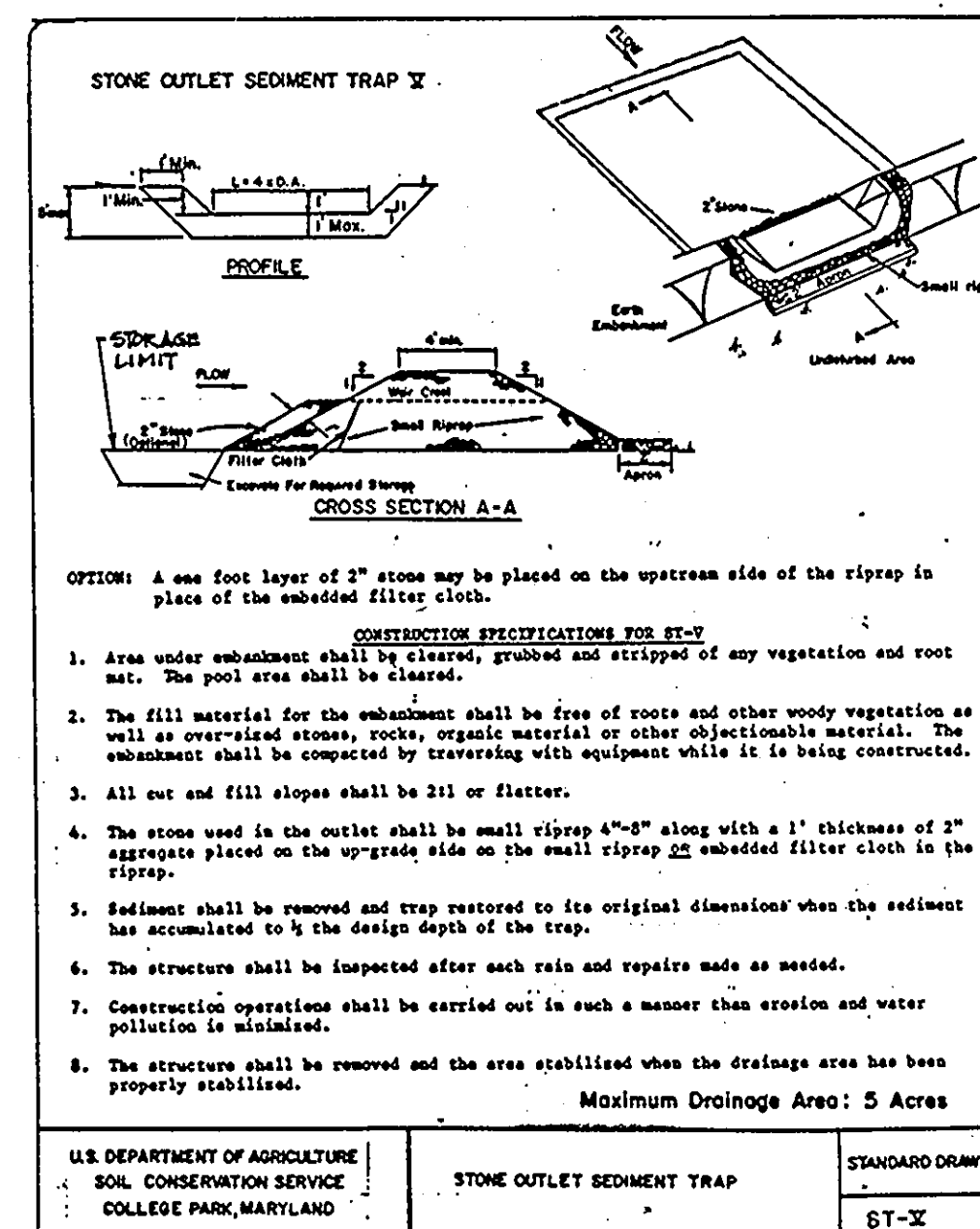
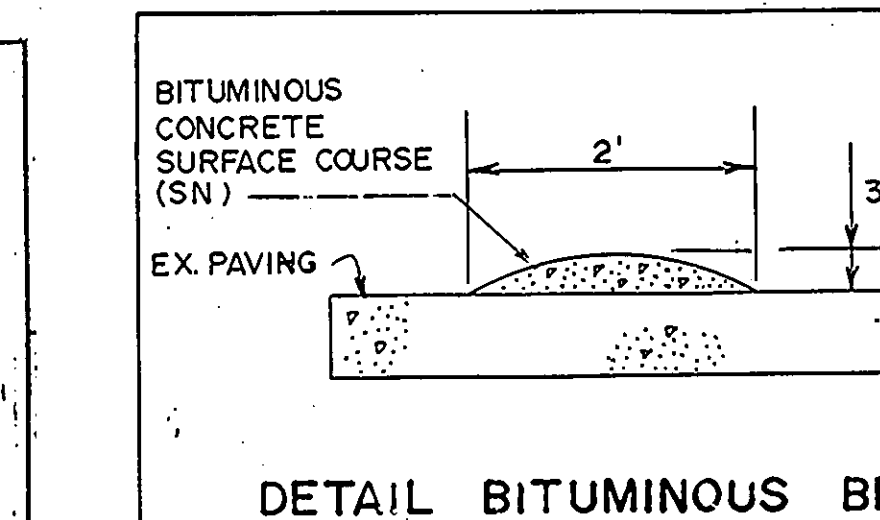
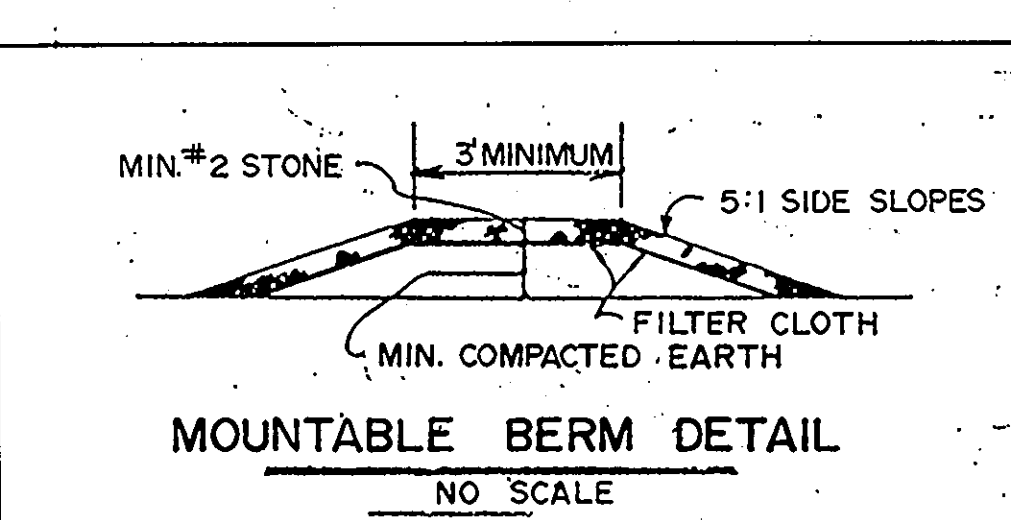
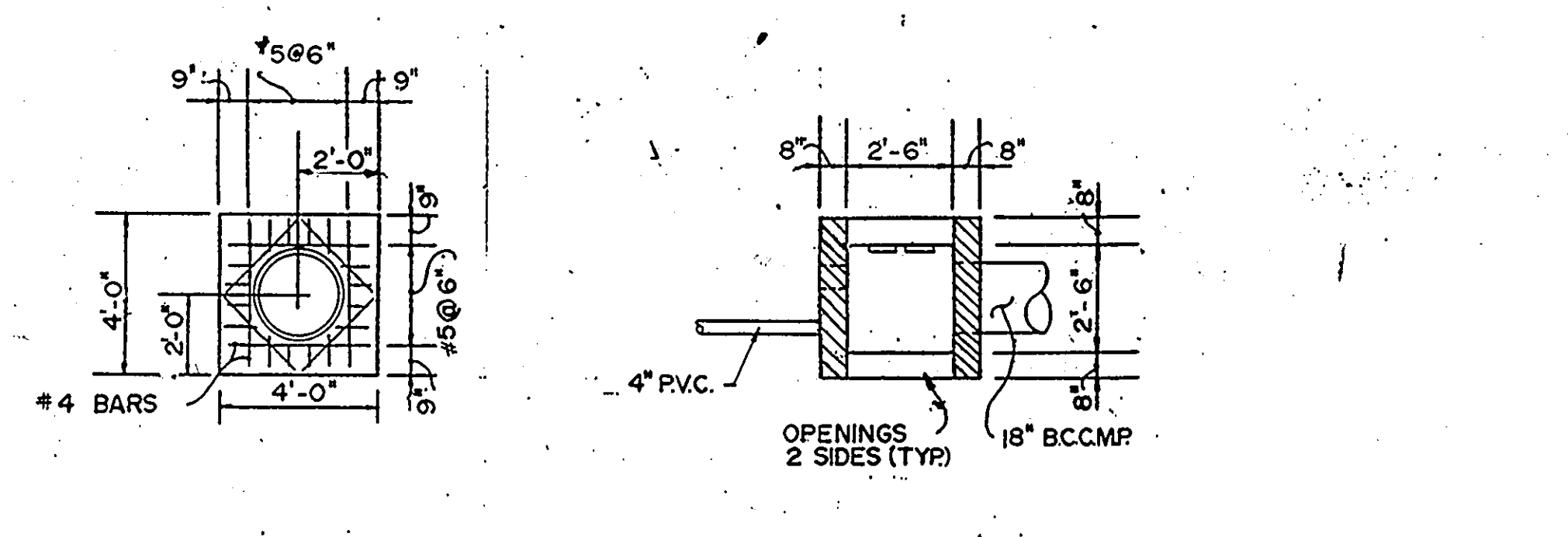
PERMANENT VEGETATIVE STABILIZATION
ALL DISTURBED AREAS, WHICH ARE NOT TO BE PAVED, SHALL BE PERMANENTLY STABILIZED AS FOLLOWS:

- SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS AFTER SPREADING 4 INCHES OF TOPSOIL.
- SOIL AMENDMENTS: APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (2 LBS./1,000 SQ. FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1,000 SQ. FT.). HORROR OR DISC LIME AND FERTILIZER INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE (9.2 LBS./1,000 SQ. FT.) OF 30-0-0 UREA-FORM FERTILIZER AND 500 LBS. PER ACRE (11.5 LBS./1,000 SQ. FT.) OF 10-20-20 FERTILIZER.
- SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (14 LBS./1,000 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 (0.5 LBS./1,000 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. (3) - SEED WITH 60 LBS. PER ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW. NOTE: FOR A QUICK COVER WITH KENTUCKY 31 TALL FESCUE PERMANENT SEEDING FROM MARCH 1 TO APRIL 30 AND AUGUST 1 TO OCTOBER 15, ADD 1 1/2 - 2 LBS. OF RYE, BARLEY, OR OATS PER 1,000 SQ. FT. OF AREA TO BE STABILIZED.
- MULCHING: APPLY 1 1/2 - 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. APPLY 200 GALLONS PER ACRE (5 GALLONS/1,000 SQ. FT.) OF MULCHIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 3/8 GALLONS PER ACRE (6 GALLONS/1,000 SQ. FT.) FOR ANCHORING.
- MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS, AND RESEEDINGS.



SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (892-2437)
- 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.
- Following initial soil disturbances or disturbances, 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.
- 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.
- 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.
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- 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.
- Material will be obtained from a site with an approved sediment control plan.



ENGINEER'S CERTIFICATE:
I CERTIFY THAT THIS PLAN FOR S.W.M. FACILITY CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT A PRACTICAL AND WORKABLE PLAN BASED UPON THE PERSONAL KNOWLEDGE OF THE SITE CONDITIONS THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD COUNTY SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

ENGINEER: *Jeffrey Scott Young*
REG. NO. 16526 DATE: 7/17/92

DEVELOPER'S CERTIFICATE:
I 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 DEPT. OF NATURAL RESOURCES APPROVED PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD COUNTY SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

OWNER / DEVELOPER
BALTIMORE GAS & ELECTRIC COMPANY
1000 BRANDON SHORES ROAD
BALTIMORE, MD. 21226
PHONE 410-787-5129

APPROX. TIME	SEQUENCE OF CONSTRUCTION
1 Day	1. Obtain grading permit
1 Day	2. Notify the Howard County Department of Permits and Licenses Inspector 48 hours before beginning work. Phone (410) 313-2420.
1 Day	3. Clear and grub area for stabilized construction entrance.
1 Day	4. Install sediment control construction entrance.
2 Days	5. Clear area for silt fence.
2 Days	6. Install silt fence & TREE PROTECTION FENCE AS SHOWN ON PLAN.
2 Days	7. Clear area for sediment trap.
5 Days	8. Install the sediment trap (storm water management pond). Berm along east property line to be constructed and meet earth dike near turn and park area. Bottom of trap shall only be excavated to elevation 89.25 at this time. Construct the modified Y-1 inlet and backfill the two openings as shown on detail. This sheet. 4" P.V.C. low flow pipe will not be installed at this time.
3 Days	9. Clear and grub area where earth dikes will be installed.
5 Days	10. Install earth dike and bituminous berm as shown on plan.
1 Day	11. Strip and stoop soil.
1 Day	12. Seed & mulch stoop soil.
5 Days	13. Grade site, except in stoop soil, maintaining positive drainage to sediment basin.
1 Day	14. Temporary stabilization.
30 Days	15. Construct foundations.
10 Days	16. Construct steel structures.
60 Days	17. Install electrical equipment.
5 Days	18. Pave stone cover on site.
1 Day	19. Pave road.
1 Day	20. Grade stoop soil area and spread stoop soil in graded areas.
2 Days	21. Permanent vegetative stabilization (AREA TO BE RETIRED AT THIS TIME)
1 Day	22. Excavate bottom of trap to elevation 88.75.
2 Days	23. With approval of sediment control inspector, open low flow and throat openings and install 4" P.V.C. low flow pipe.
3 Days	24. Remove the work from the sediment trap and complete construction of the dam and stabilize.
2 Days	25. After obtaining permission from the sediment control inspector, remove the remaining sediment control measures.
1 Day	26. Stabilization of areas disturbed as a result of note 25 above.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION - EROSION AND SEDIMENT CONTROL.

James M. ...
U.S. SOIL CONSERVATION SERVICE

THESE PLANS FOR SMALL POND CONSTRUCTION: SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD COUNTY SOIL CONSERVATION DISTRICT.

APPROVED: *...* 8/1/92
HOWARD COUNTY SOIL CONSERVATION DISTRICT

PLAN NUMBER

APPROVED: *...* 8/15/92
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

APPROVED: *...* 10/16/92
DIRECTOR

APPROVED: *...* 10/15/92
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED: *...* 10/16/92
DIRECTOR

Rev	Date	J.O./Est. No.	Description	Approved
	MAR/1992	EC1533 EST.ES1M1441	INST. 25 MVA, 34.5-13KV SUB-STATION W/4 FDRS.	<i>...</i>

ENGINEERING	DESIGN GROUP	CHECKED	APP'D	DATE APP'D
Civil.....	DESIGN GROUP	<i>...</i>	<i>...</i>	
Elec.....	DESIGN GROUP	<i>...</i>	<i>...</i>	
Proj. Engr.....	DESIGN GROUP	<i>...</i>	<i>...</i>	
Prin. Engr.....	DESIGN GROUP	<i>...</i>	<i>...</i>	
Supv. Engr.....	DESIGN GROUP	<i>...</i>	<i>...</i>	

SEDIMENT & EROSION CONTROL DETAILS

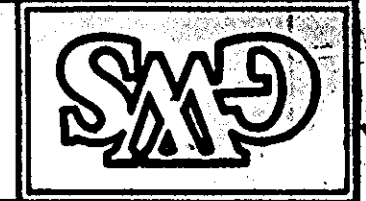
606E 345 - 13KV SUBSTATION
COOKSVILLE HOWARD COUNTY
14725 FREDERICK ROAD

BALTIMORE GAS AND ELECTRIC COMPANY
DISTRIBUTION & TRANSMISSION ENGINEERING DEPT.
SYSTEMS ENGINEERING SECTION

File Scale AS SHOWN
Checked Microfilmed
App'd Orig. D Rev. No. 80 - 641-E
Date App'd

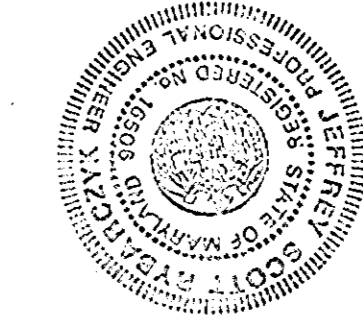
30X 87-98-103 SHEET 5 OF 5

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
203 E. BROADWAY 879-1500 BEL AIR, MARYLAND 21014



GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
BEL AIR, MARYLAND 21014

Baltimore Gas & Electric Company
100 BAYVIEW SQUARE ROAD
BALTIMORE, MD 21220
OWNER / DEVELOPER
410-787-9129



ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR SMALL FACILITY CONSTRUCTION REVISION 10/17/92 IS THE WORK OF ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22418.
I HAVE REVIEWED AND APPROVED THE TECHNICAL REQUIREMENTS FOR SOIL CONSERVATION DISTRICT AND EROSION CONTROL PLAN. THESE REQUIREMENTS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22418.
I HAVE NOTICED THE DEVELOPER'S REVISIONS TO THIS PLAN AND HAVE RECOMMENDED NECESSARY CHANGES TO THIS PLAN TO COMPLY WITH THE REQUIREMENTS OF THE SOIL CONSERVATION DISTRICT AND EROSION CONTROL PLAN. THESE CHANGES ARE INDICATED BY A REVISION TABLE AND A REVISION SYMBOL.
THE SMALL FACILITY CONSTRUCTION REVISION 10/17/92 IS THE WORK OF ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22418.
DATE: 10/17/92

DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR SMALL FACILITY CONSTRUCTION REVISION 10/17/92 IS THE WORK OF ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22418.
I HAVE REVIEWED AND APPROVED THE TECHNICAL REQUIREMENTS FOR SOIL CONSERVATION DISTRICT AND EROSION CONTROL PLAN. THESE REQUIREMENTS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22418.
I HAVE NOTICED THE DEVELOPER'S REVISIONS TO THIS PLAN AND HAVE RECOMMENDED NECESSARY CHANGES TO THIS PLAN TO COMPLY WITH THE REQUIREMENTS OF THE SOIL CONSERVATION DISTRICT AND EROSION CONTROL PLAN. THESE CHANGES ARE INDICATED BY A REVISION TABLE AND A REVISION SYMBOL.
THE SMALL FACILITY CONSTRUCTION REVISION 10/17/92 IS THE WORK OF ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22418.
DATE: 10/17/92

REV.	DATE	DESCRIPTION	APPROVED
A	10/17/92	ISSUED FOR PERMITS	[Signature]
B	10/17/92	REVISIONS TO PERMITS	[Signature]
C	10/17/92	REVISIONS TO PERMITS	[Signature]

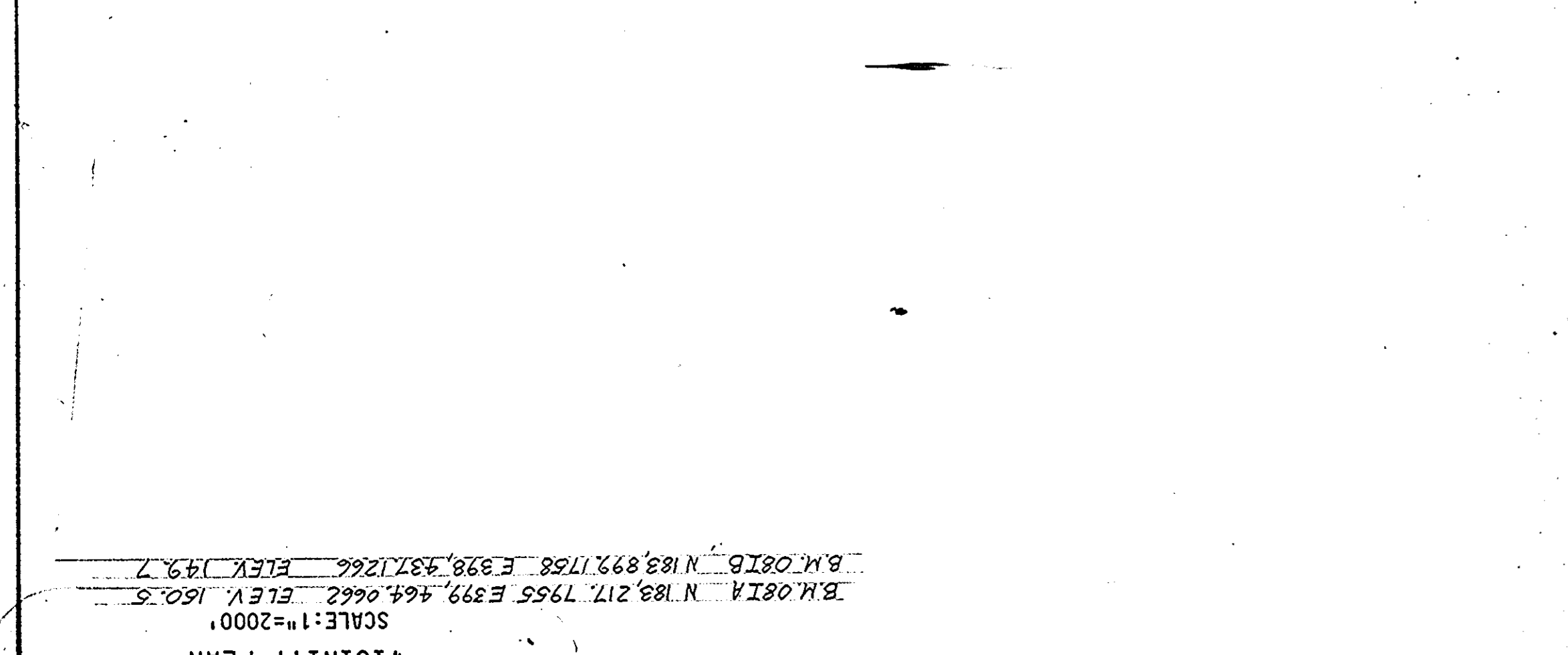
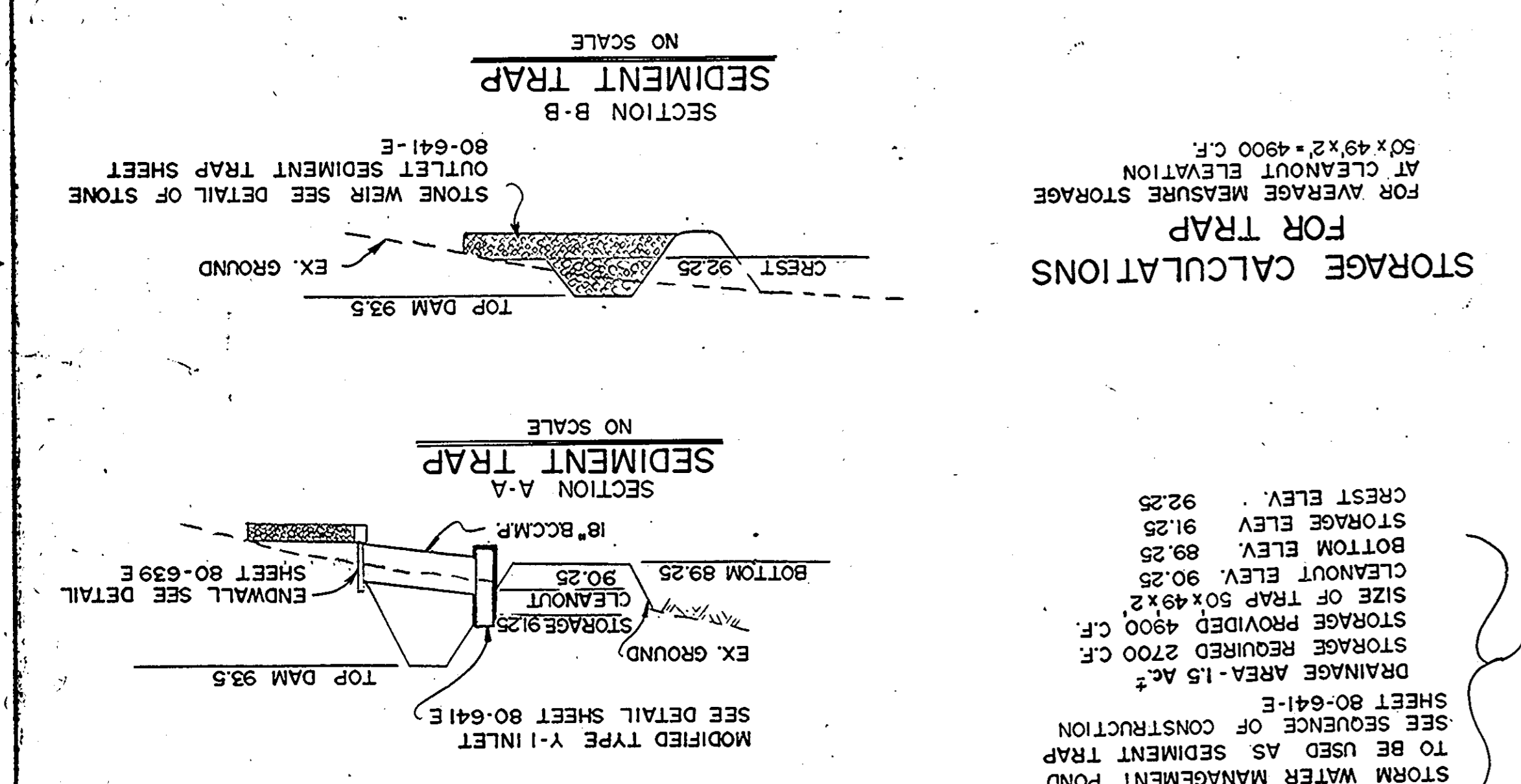
SITE ANALYSIS

- TOTAL DISTURBED AREA = 1.13 AC.F.
- AREA TO BE VEGETATIVELY STABILIZED = 0.81 AC.F.
- STONE COVERED AREA = 0.26 AC.F.
- AREA IN PAVING = 0.06 AC.F.
- GRADING QUANTITIES -
CUT = 1200 C.Y.
FILL = 600 C.Y.

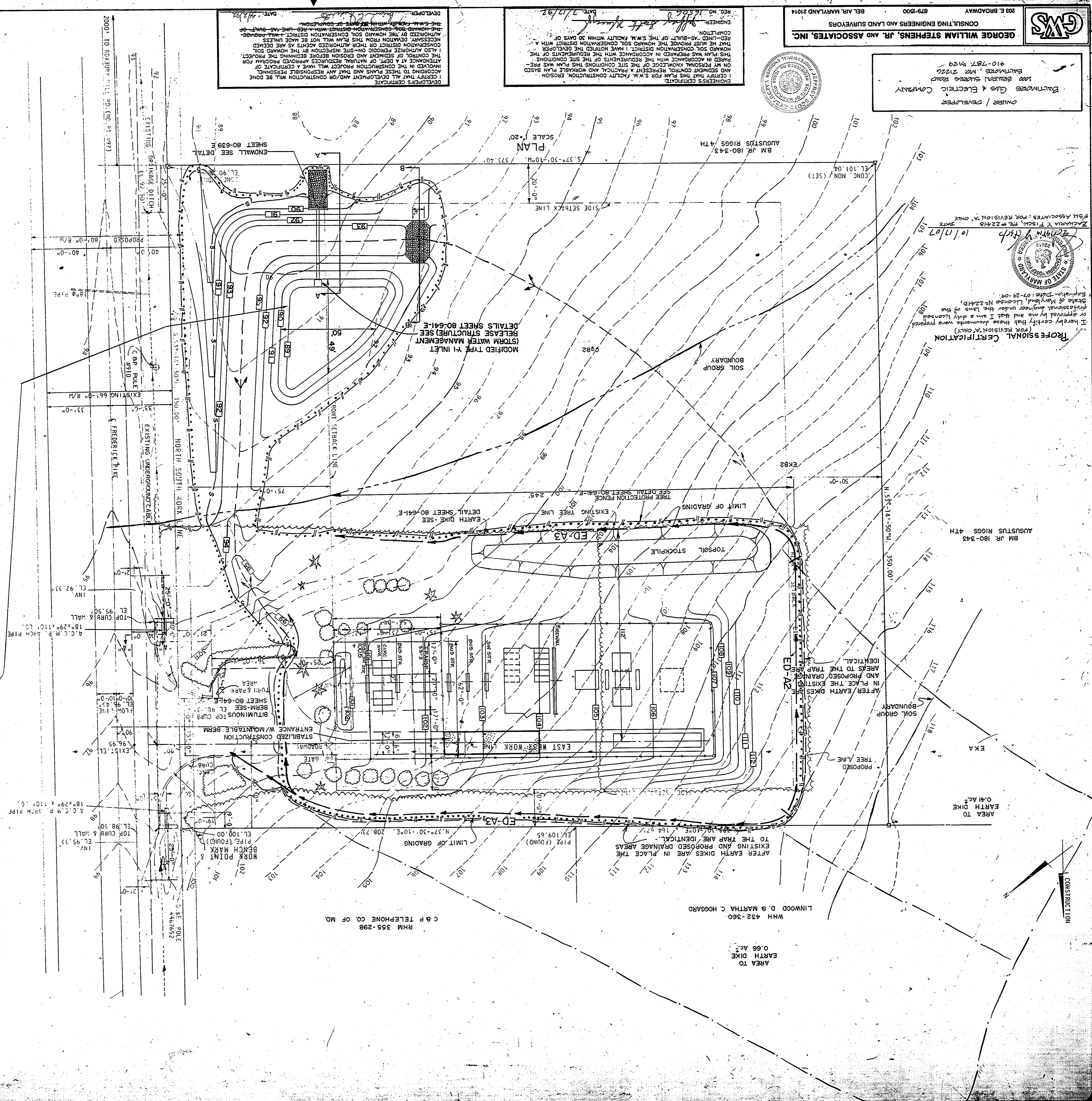
LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED DRAINAGE AREA
- EXISTING DRAINAGE AREA
- PROPOSED CHANGED AREA
- HEAT PROTECTION FENCE
- DIKE
- SOIL GROUP BOUNDARY
- LIMIT OF DISTURBANCE

NOTES:
CONTRACTOR RESPONSIBLE FOR PROVIDING AN APPROVED SEDIMENT CONTROL PLAN FOR EXCESS CUT MATERIAL.



SOIL DATA	SOIL TYPES:	HYDRIC SOILS:	HYDRIC INCLUSIONS:	SIGNIFICANT EROSION POTENTIAL:
C ₈₂ CHESTER E ₂ ELIOAK E ₃ ELIOAK	NONE	NONE	NONE	NONE

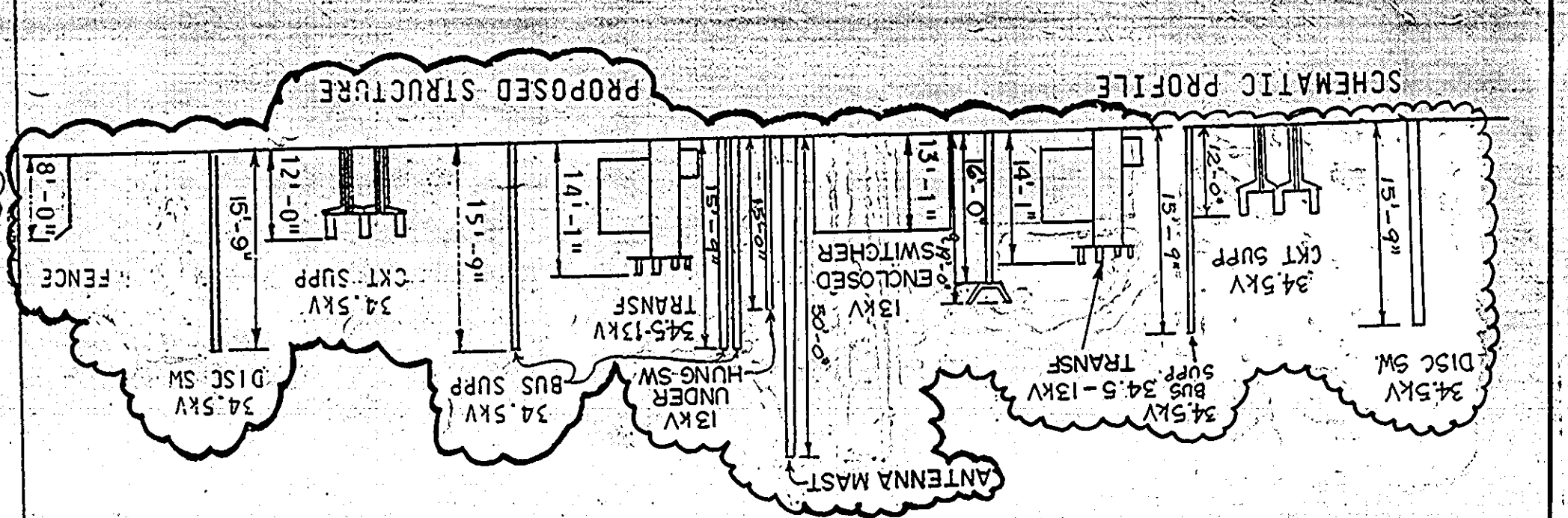


PROFESSIONAL CERTIFICATION
I have reviewed and approved the technical requirements for soil conservation district and erosion control plan. These requirements were prepared by me or under my close personal supervision and I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 22418.
I hereby certify that these documents were prepared by me or under my close personal supervision and I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 22418.
DATE: 10/17/92

NO. 80-606-E-7	DATE: 10/17/07
SCALE: 1"=20'-0"	APPROVED: [Signature]
CHECKED: [Signature]	DESIGNED: [Signature]
DESIGN & DRAWING: [Signature]	MANAGER: [Signature]
CHIEF ENG. [Signature]	CHIEF ENG. [Signature]
ELECTRIC SYSTEM ENGINEERING	APPROVAL: [Signature]

OWNER: HOWARD GAS AND ELECTRIC COMPANY	PLAT # OR L/F: 664	BLOCK #: 22	ZONE: R
OWNER: BALTIMORE GAS AND ELECTRIC COMPANY	PLAT # OR L/F: 664	BLOCK #: 22	ZONE: R
OWNER: BALTIMORE GAS AND ELECTRIC COMPANY	PLAT # OR L/F: 664	BLOCK #: 22	ZONE: R
OWNER: BALTIMORE GAS AND ELECTRIC COMPANY	PLAT # OR L/F: 664	BLOCK #: 22	ZONE: R

NO. REQUIRED	NAME	SIZE
32	HETZI BLUE JUNIPER	1 1/2" - 2" @ 368
5	JUNIPERUS CHINENSIS COLUMARIENSIS	5" - 6" @ 368 OR CONTAINER
10	GREEN COLUMNAR CHINESE JUNIPER	5" - 6" @ 368 OR CONTAINER
3	MALUS SUGAR TUNE	2" - 2 1/2" @ 368
3	MALUS SUGAR TUNE CRAB	2" - 2 1/2" @ 368



- LIST OF DRAWINGS**
- SHEET 1 SITE DEVELOPMENT PLAN, LOCATION/PLANTING PLAN
 - SHEET 2 GRADING PLAN, FENCE, ROADWAY & STORM WATER MANAGEMENT
 - SHEET 3 STORM WATER MANAGEMENT DETAILS
 - SHEET 4 SEDIMENT & EROSION CONTROL PLAN
 - SHEET 5 SEDIMENT & EROSION CONTROL DETAILS

GENERAL NOTES

1. Maximum building height - (C)
2. All areas not shown paved or receiving building coverage shall be landscaped in accordance with the plan approved by Board of Zoning Adjustment.
3. Any damage to public rights-of-way or adjacent properties shall be repaired immediately at the contractor's expense.
4. The contractor shall maintain at least a 7' level bench behind all curb and gutter in all areas.
5. All exterior lighting shall be directed downward and inward as far as possible to prevent light trespass.
6. All slopes shall be in accordance with Howard County Standard Specifications and details for construction, or as shown on these plans.
7. All work shall be done in accordance with Howard County Standard Specifications and details for construction, or as shown on these plans.
8. The contractor shall notify the C & P telephone co. and the gas and electric company the day prior to starting work shown on these plans by calling this utility. Call 1-800-251-1111.
9. For electric and gas work, call the appropriate utility company for a permit and to schedule work shown on these plans by calling this utility. Call 1-800-251-1111.
10. The contractor shall maintain a minimum of 4' cover over all proposed water lines.
11. All flag poles shall be placed on either side.
12. The contractor shall contact the contractor responsible for the utility lines to determine the location of work at 392-1871 or 792-7172.
13. The contractor shall remove all existing utility, cut-and-gutter, etc.
14. All utilities located shall be protected with trench protection.
15. All work shall be done in accordance with Howard County Standard Specifications and details for construction, or as shown on these plans.
16. All sidewalks shall be 6' wide (see architectural plan for details).
17. The owner shall provide a separate and independent survey connection for all utilities and structures shown on these plans.

EXISTING VEGETATIVE COMMUNITIES

Group A

1. Description: Hardwood Deciduous
2. Maturity and general condition: Excellent growth in good condition
3. Maturity and general condition: Excellent growth in good condition
4. Maturity and general condition: Excellent growth in good condition

Group B

1. Description: Ornamental Evergreens
2. Maturity and general condition: Excellent growth in good condition
3. Maturity and general condition: Excellent growth in good condition
4. Maturity and general condition: Excellent growth in good condition

Group C

1. Description: White pine (White pine) located to immediate north of parking area.
2. Maturity and general condition: Excellent growth in good condition
3. Maturity and general condition: Excellent growth in good condition
4. Maturity and general condition: Excellent growth in good condition

CONTRIBUTORS

BA-91-53E APPROVED 3-12-92

JOS. BERKE
355-298

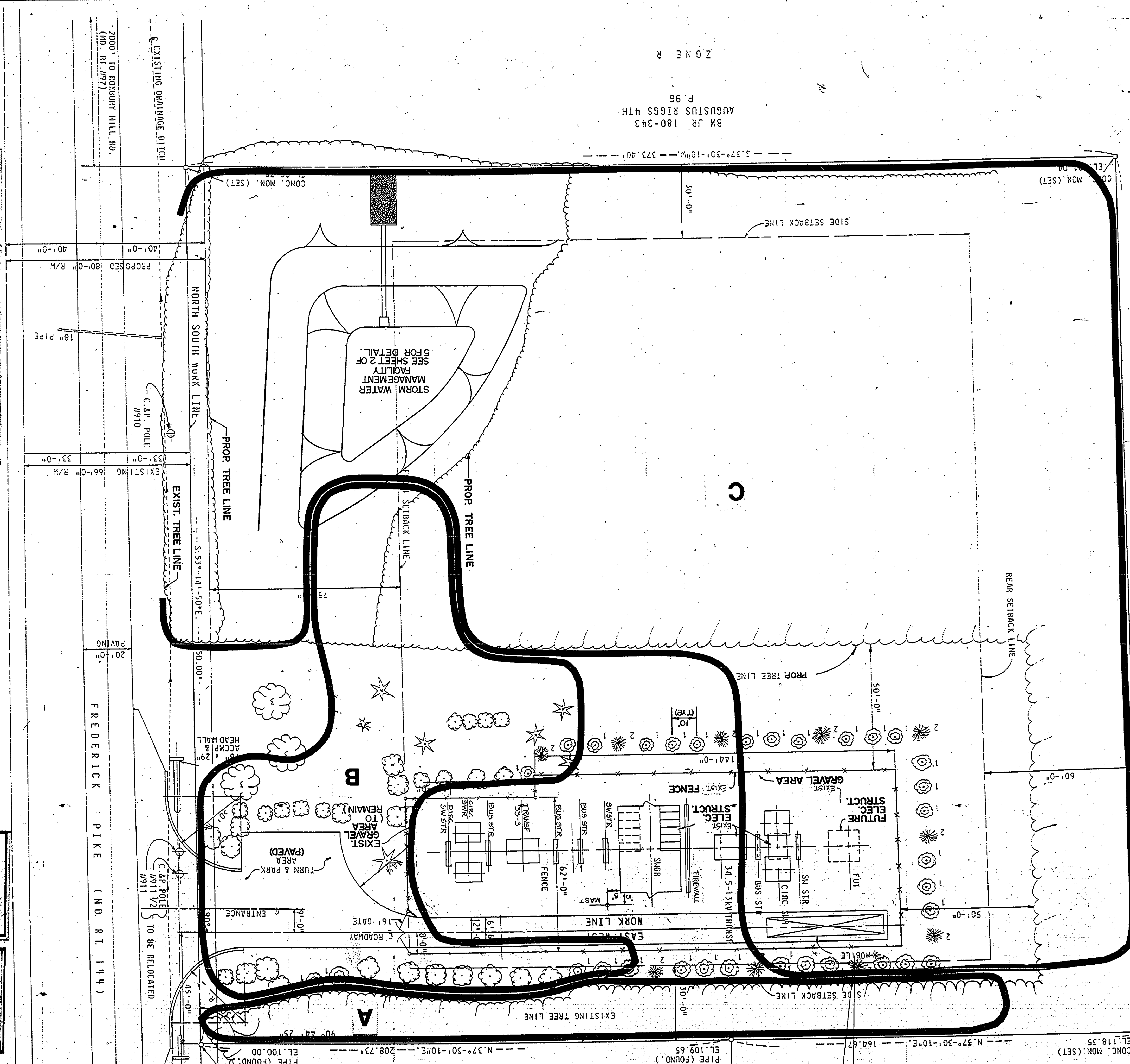
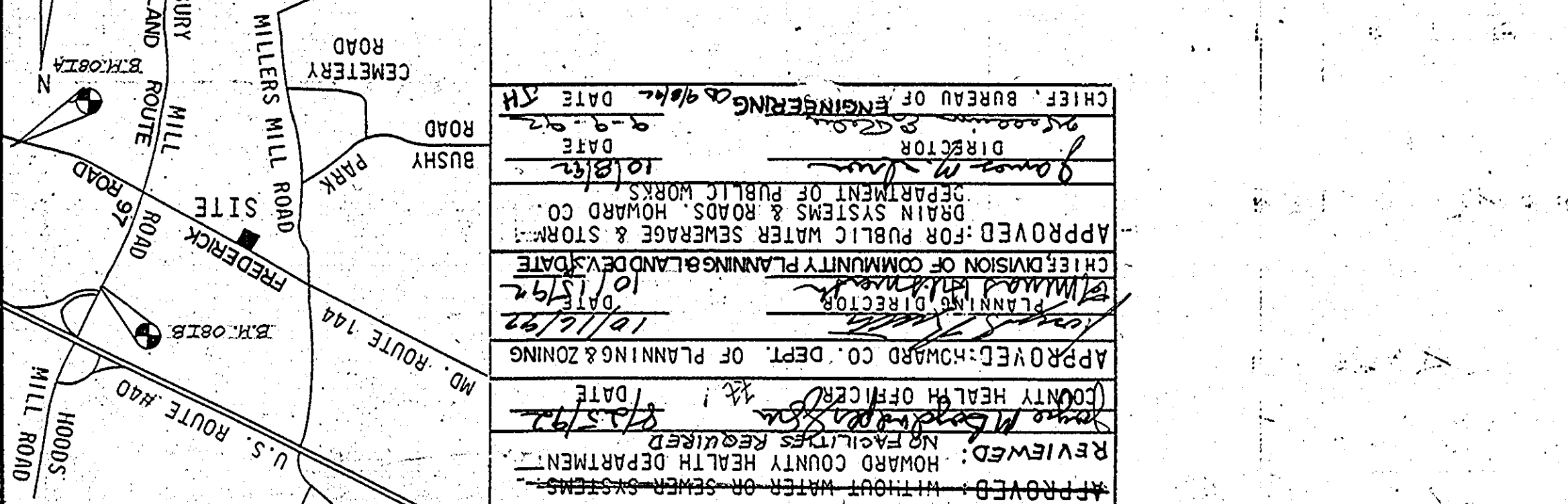
DATE: 10/17/07

DEVELOPER'S CERTIFICATE

I, the undersigned, hereby certify that the information furnished in this plan is true and correct to the best of my knowledge and belief, and that I am a duly licensed professional engineer under the laws of the State of Maryland. I have carefully examined these documents and have prepared or approved by me and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 22418; Expiration Date: 07/31/2010.

DEVELOPER'S CERTIFICATE

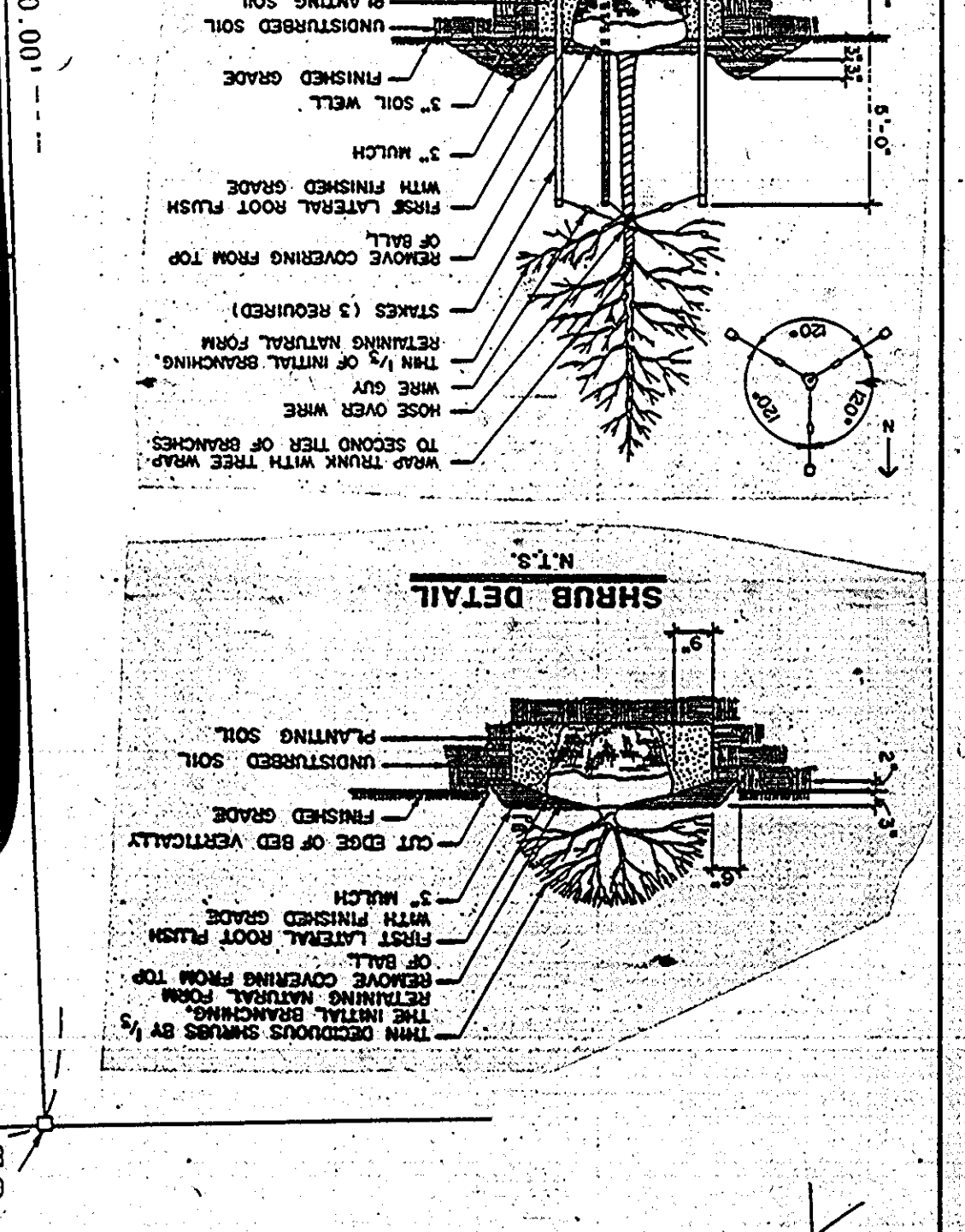
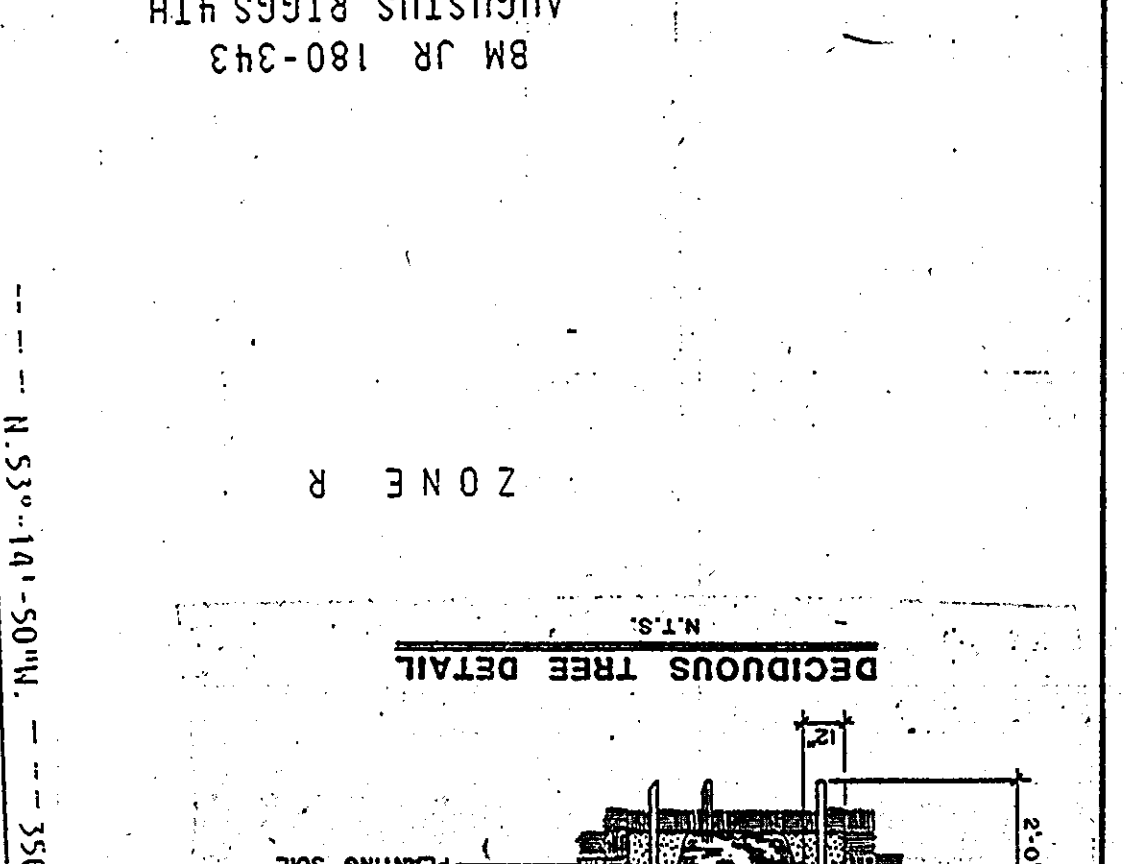
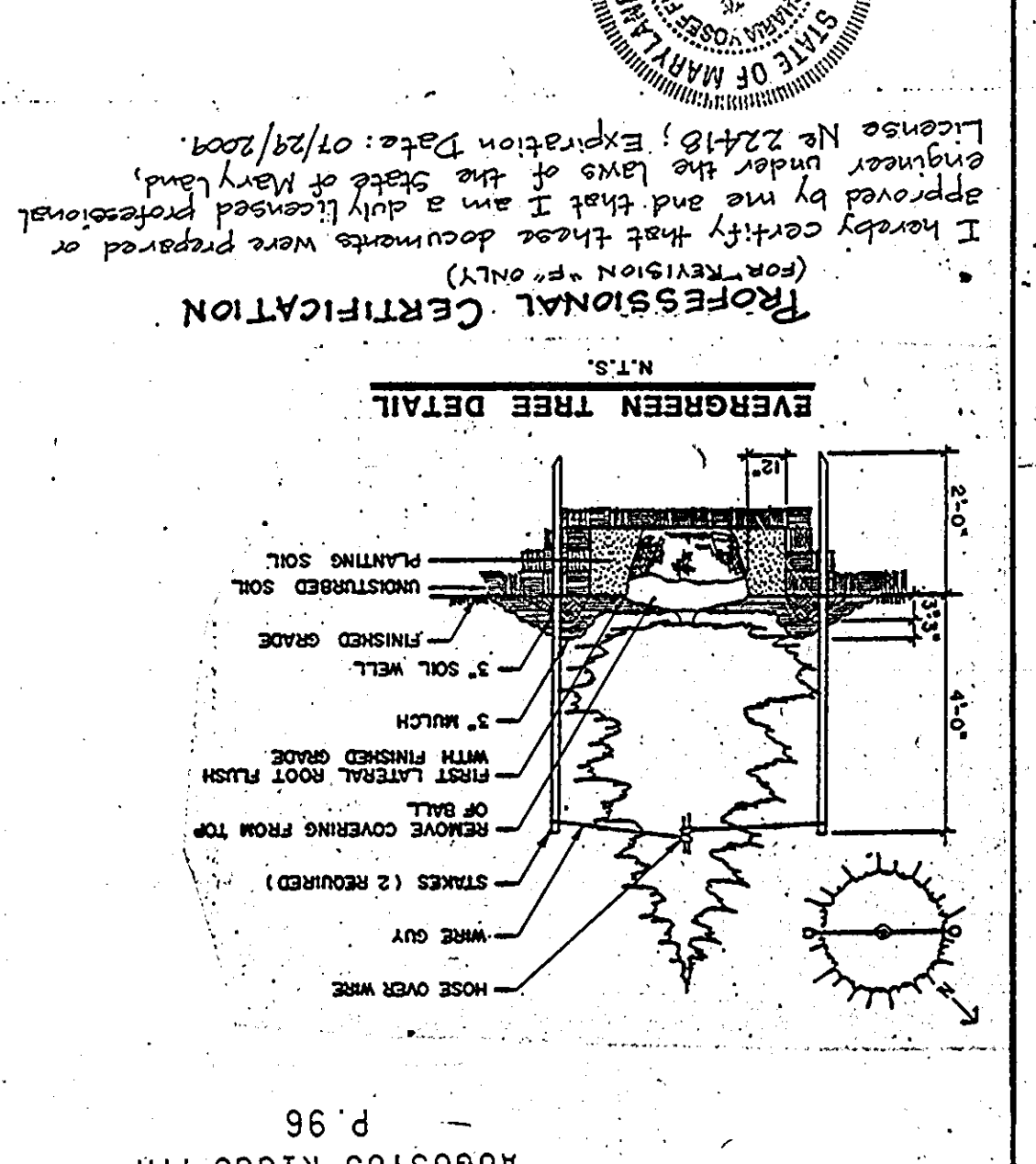
I, the undersigned, hereby certify that the information furnished in this plan is true and correct to the best of my knowledge and belief, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 22418; Expiration Date: 07/31/2010.



PROFESSIONAL CERTIFICATION

I have carefully examined these documents and have prepared or approved by me and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 22418; Expiration Date: 07/31/2010.

DATE: 10/17/07



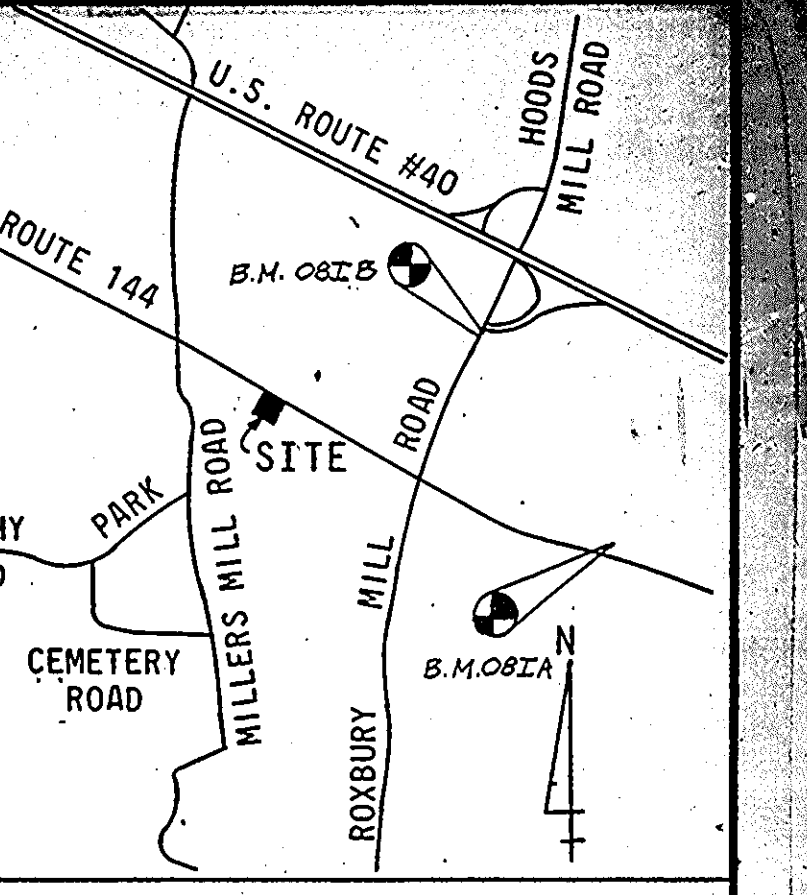
SOIL DATA

SOIL TYPES: C₉B2 CHESTER
C₉C3 CHESTER
EKA ELIOAK
EB2 ELIOAK

HYDRIC SOILS: NONE

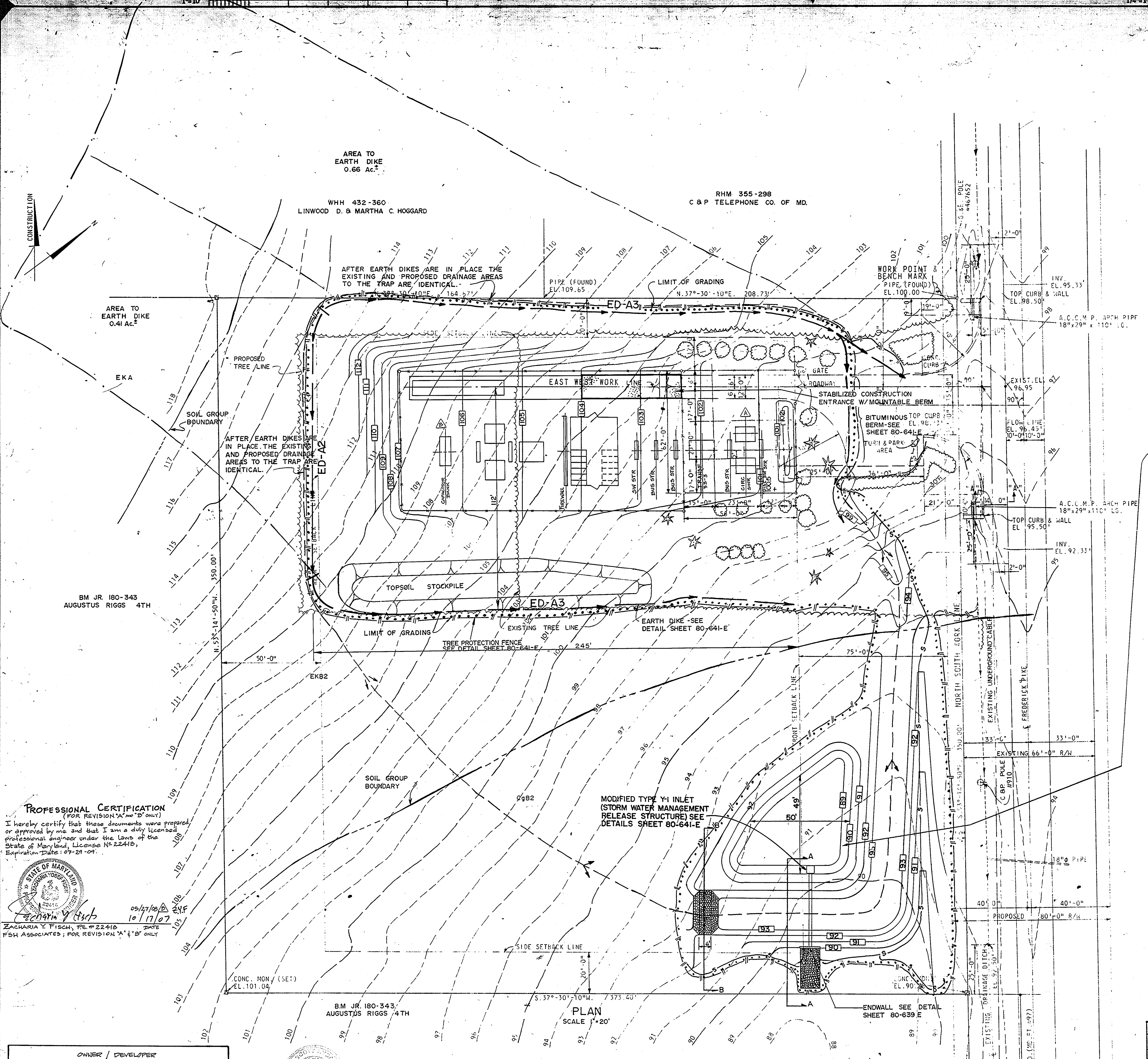
HYDRIC INCLUSIONS: NONE

SIGNIFICANT EROSION POTENTIAL: NONE



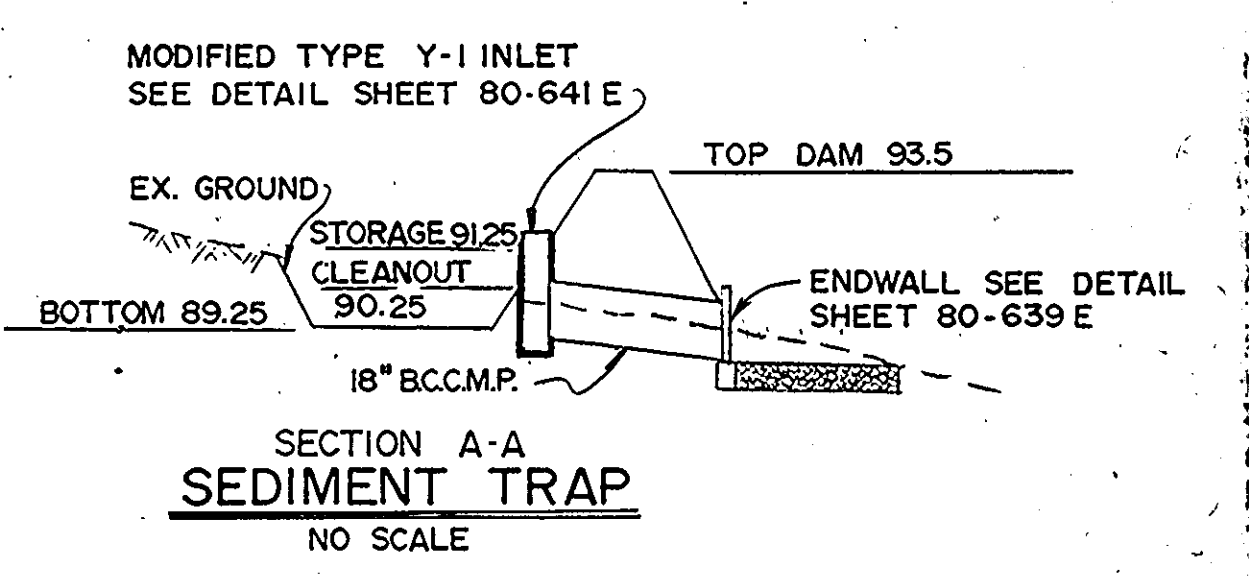
VICINITY PLAN
SCALE: 1"=2000'

B.M. 081A N 183,217.7955 E 399,464.0662 ELEV. 160.5
B.M. 081B N 183,829.1768 E 398,437.1266 ELEV. 149.7

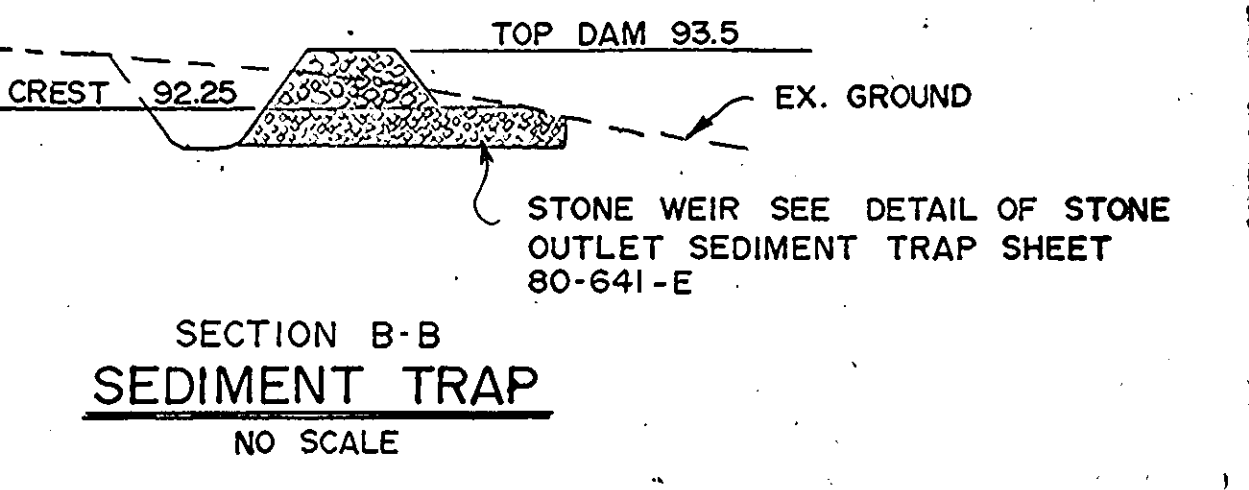


STORM WATER MANAGEMENT POND TO BE USED AS SEDIMENT TRAP SEE SEQUENCE OF CONSTRUCTION SHEET 80-641-E

DRAINAGE AREA - 1.5 AC±
STORAGE REQUIRED 2700 C.F.
STORAGE PROVIDED 4900 C.F.
SIZE OF TRAP 50'x49'x2'
CLEANOUT ELEV. 90.25
BOTTOM ELEV. 89.25
STORAGE ELEV. 91.25
CREST ELEV. 92.25



STORAGE CALCULATIONS FOR TRAP
FOR AVERAGE MEASURE STORAGE AT CLEANOUT ELEVATION 50'x49'x2' = 4900 C.F.



- LEGEND**
- EXISTING CONTOURS - - - - - 250
 - PROPOSED CONTOURS - - - - - 220
 - EXISTING DRAINAGE AREA - - - - -
 - PROPOSED DRAINAGE AREA - - - - -
 - INLET PROTECTION - [Symbol]
 - TREE PROTECTION FENCE - [Symbol]
 - DIKE - [Symbol]
 - SILT FENCE - [Symbol]
 - LIMIT OF DISTURBANCE - [Symbol]
 - SOIL GROUP BOUNDARY - [Symbol]

NOTE: CONTRACTOR RESPONSIBLE FOR PROVIDING AN APPROVED SEDIMENT CONTROL PLAN FOR EXCESS CUT MATERIAL.

- SITE ANALYSIS**
1. TOTAL DISTURBED AREA = 1.13 AC±
 2. AREA TO BE VEGETATIVELY STABILIZED = 0.81 AC±
 3. STONE COVERED AREA = 0.26 AC±
 4. AREA IN PAVING = 0.06 AC±
 5. GRADING QUANTITIES -
CUT = 1200 C.Y.
FILL = 600 C.Y.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL-POND-CONSTRUCTION; SOIL EROSION AND SEDIMENT CONTROL.

APPROVED: *James M. [Signature]* 8/1/92
DIRECTOR
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: *John Z. [Signature]* 8/1/92
DIRECTOR
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: *James M. [Signature]* 8/25/92
COUNTY HEALTH OFFICER
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

APPROVED: *James M. [Signature]* 10/16/92
DIRECTOR
BUREAU OF COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED: *James M. [Signature]* 10/13/92
DIRECTOR
BUREAU OF COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED: *James M. [Signature]* 10/8/92
DIRECTOR
BUREAU OF COMMUNITY PLANNING & LAND DEVELOPMENT

PROFESSIONAL CERTIFICATION
FOR REVISION 'A' OR 'B' ONLY

I hereby certify that these documents were prepared or approved by me and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 22410, Expiration Date: 07-21-01.

Zacharia Y. Fisch
05/17/00
10/17/07
ZACHARIA Y. FISCH, P.E. # 22410
FISH ASSOCIATES, FOR REVISION 'A' & 'B' ONLY

OWNER / DEVELOPER
BALTIMORE GAS & ELECTRIC COMPANY
1000 BOWEN STREET ROAD
BALTIMORE, MD 21226
410-787-5129

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
203 E. BROADWAY 879-1500 BEL AIR, MARYLAND 21014

ENGINEER'S CERTIFICATE:
I CERTIFY THAT THIS PLAN FOR S.W.M. FACILITY 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 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 A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.
ENGINEER: *James M. [Signature]*
REG. NO. 16526 DATE: 7/17/92

DEVELOPER'S CERTIFICATE:
I 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 DEPT. OF NATURAL RESOURCES APPROVED 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 OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DONATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.
DEVELOPER: *James M. [Signature]*
DATE: 9/2/92

Rev	Date	No	Description	Approved	ENGINEERING
	MAR 1992	1	INST. 25 MVA., 34.5-13 KV-SUB-STATION W/4 FDRS.		Civil..... Elec..... Proj. Engr..... Prim. Engr..... Supv. Engr.....
A	Oct 2007	D02740	INST. 2nd 34.5-13KV 25MVA TRANSF.		
B	May 2008		INST. 1-34.5KV METAL ENCLOSED CAPACITOR BANK, REMOVE LOW VOLTAGE CAP. ASSEMBLY		

SEDIMENT & EROSION CONTROL PLAN

BG&E 34.5-13KV SUBSTATION
COOKVILLE HOWARD COUNTY
14725 FREDERICK ROAD

DESIGN GROUP: **BALTIMORE GAS AND ELECTRIC COMPANY**
DISTRIBUTION & TRANSMISSION ENGINEERING DEPT.
SYSTEM ENGINEERING SECTION

checked: *[Signature]* DATE: *[Date]*
APP. NO. 80-640-E
DATE APP. *[Date]*

SCALE 1"=20'-0"
DWG. NO. 80-640-E
REV. *[Date]*

SPECIFICATIONS

These specifications are appropriate to all ponds within the scope of the Standard for Practice MD-76. All references to ASTM and AASHTO specifications apply to the most recent version.

Site Preparation

Areas designated for borrow areas, embankment and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, roots and other objectionable material shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.

Areas to be covered by the reservoir will be cleared of all trees, brush, logs, fence, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface. For dry streamer management ponds, a minimum of a 50 foot radius around the later structure shall be cleared.

All cleared and grubbed material shall be disposed of outside and below 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.

Earth Fill

Material - The fill material shall be taken from approved designated borrow areas. It shall be free of roots, stumps, wood, rubbish, stones greater than 6" from or other objectionable material. Fill material for the center of the embankment and cut off trench shall conform to Unified Soil Classification CC, SC, CH, or CL. Consideration may be given to the use of other materials in the embankment if design and construction are supervised by a geotechnical engineer.

Placement - Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in maximum 8 inch thick (before compaction) layers which are to be continuous over the entire length of the fill. The most objectionable material shall be placed in the downstream portion of the embankment. The principal spillway must be installed concurrently with fill placement and not excavated into 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 no less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot roller or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction will be obtained with the equipment used. The fill material shall contain sufficient moisture so that if formed into a ball it will not crumble yet not be so wet that water can be squeezed out.

Bulk specific gravity and absorption shall be determined according to ASTM C 27. The test for soundness shall be performed according to ASTM C 88.

The riprap shall be placed to the required thickness in one operation. The riprap shall be delivered and placed in a manner that will ensure the riprap in place shall be reasonably homogeneous throughout the larger rocks uniformly distributed and firmly in contact one to another with the smaller rocks filling the voids between the larger rocks. Filter cloth shall be placed under all riprap and shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 919.12.

Care of Work during Construction

All work on permanent structures shall be carried out in areas free from water. The Contractor shall construct and maintain all temporary ditches, levees, cofferdams, drainage channels, and stream diversions necessary to protect the areas to be occupied by the permanent works. The contractor shall also furnish, install, operate, and maintain all necessary pumping and other equipment required for removal of water from the various parts of the work and for maintaining the excavations, foundation, and other parts of the work free from water as required or directed by the engineer for constructing each part of the work. After having served their purpose, all temporary protective works shall be removed or leveled and graded to the extent required to prevent obstruction in any degree whatsoever of the flow of water to the spillway or outlet works and so as not to interfere in any way with the operation or maintenance of the structure. Stream diversions shall be maintained until the fill flow can be passed through the permanent works. The removal of water from the required excavation and the foundation shall be accomplished in a manner and to the extent that will maintain stability of the excavated slopes and bottom of required excavations and will allow satisfactory performance of all construction operations. During the placing and compaction of material in required excavations, the water level at the locations being refilled shall be maintained below the bottom of the excavations at each location which may require draining the water to pumps from which the water shall be pumped.

Stabilization

All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All areas of the embankment, spillway, service and borrow areas, and berms shall be stabilized by seeding, liming, fertilizing and mulching in accordance with the Maryland Soil Conservation Service Standards and Specifications for Critical Area Planting (MD-342), or as shown on the accompanying drawings.

Erosion and Sediment Control

Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction process.

Where a minimum required density is specified, it shall not be less than 95% maximum dry density with a moisture content within ± 2% of the optimum. Each layer of fill shall be compacted as necessary to obtain that density, and is to be certified by the Engineer at the time of construction. All compaction is to be determined by AASHTO Method T-99.

Cut Off Trench - The cutoff trench shall be excavated into impervious material 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 below existing grade or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill shall be compacted with construction equipment, rollers, or hand tamper to assure maximum density and minimum permeability.

Structure Backfill

Backfill adjacent to pipes or structures 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 manually directed compaction equipment. The material used to fill completely all space 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 equipment be driven over any part of a concrete structure or pipe, unless there is a compacted fill of 24" or greater over the structure or pipe.

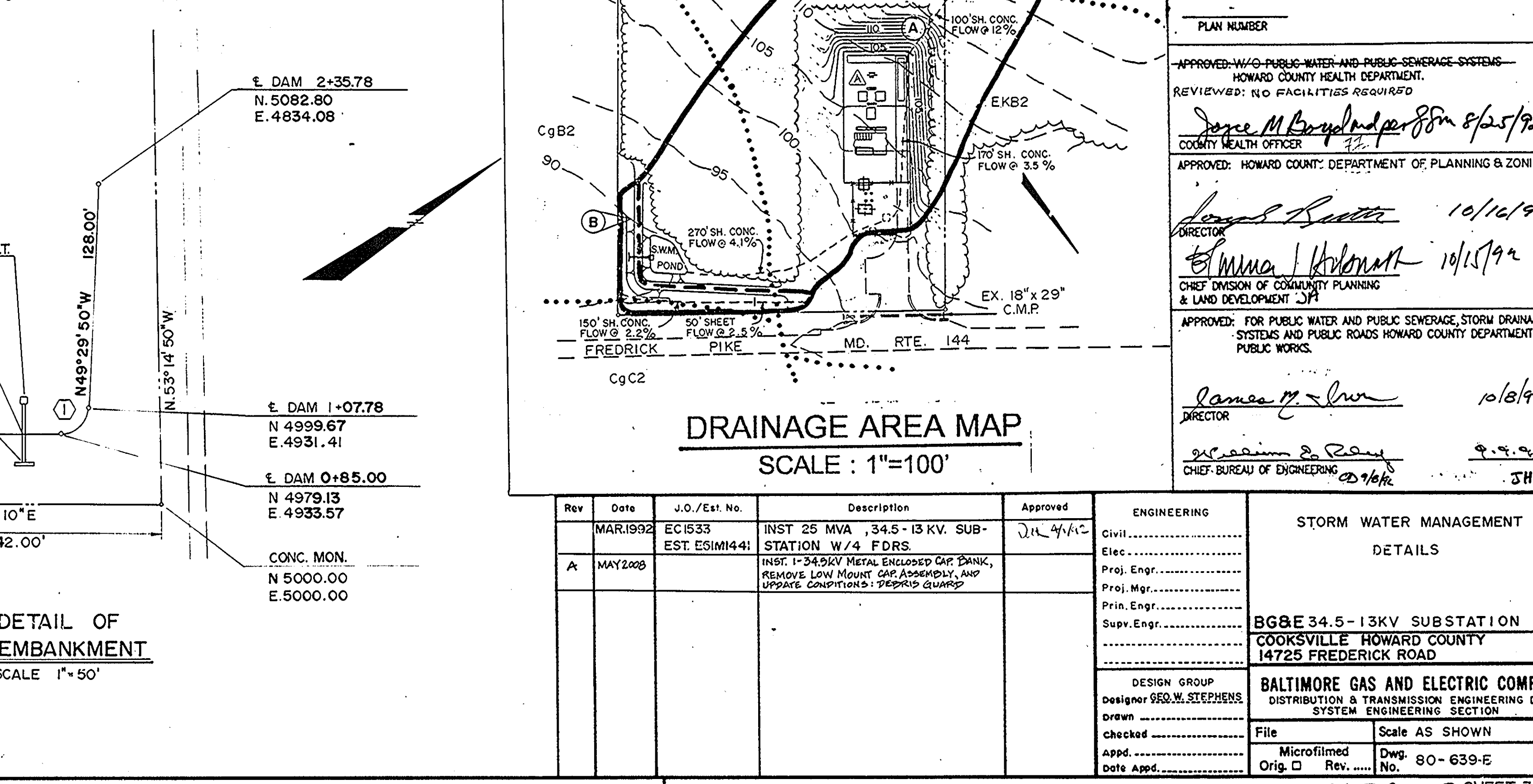
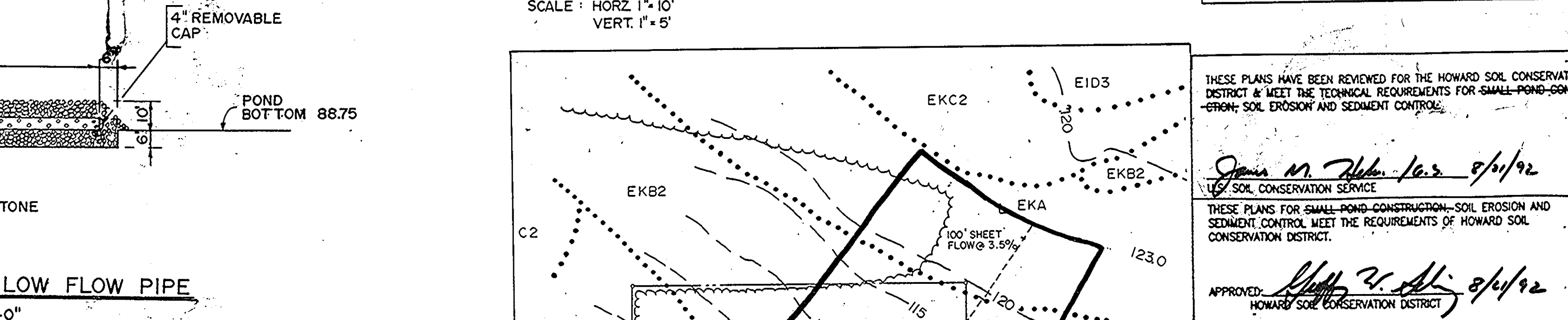
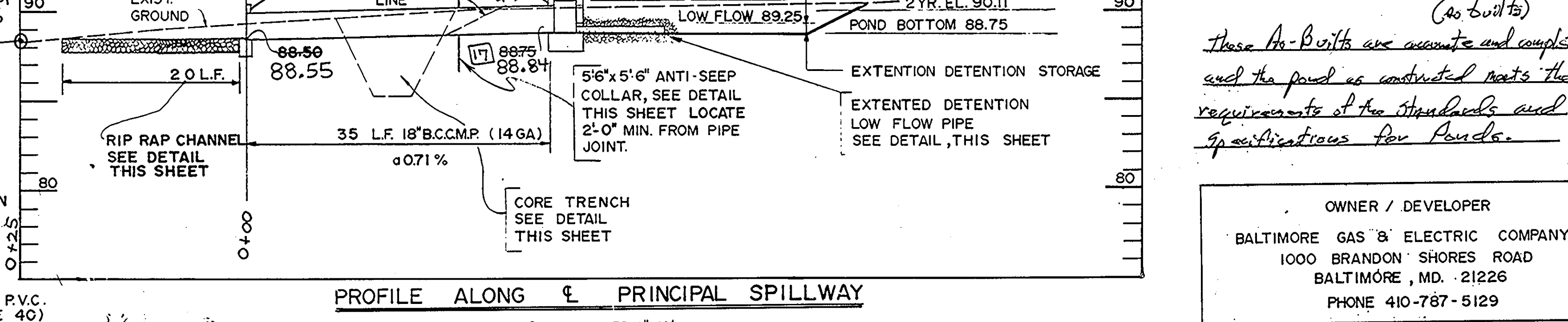
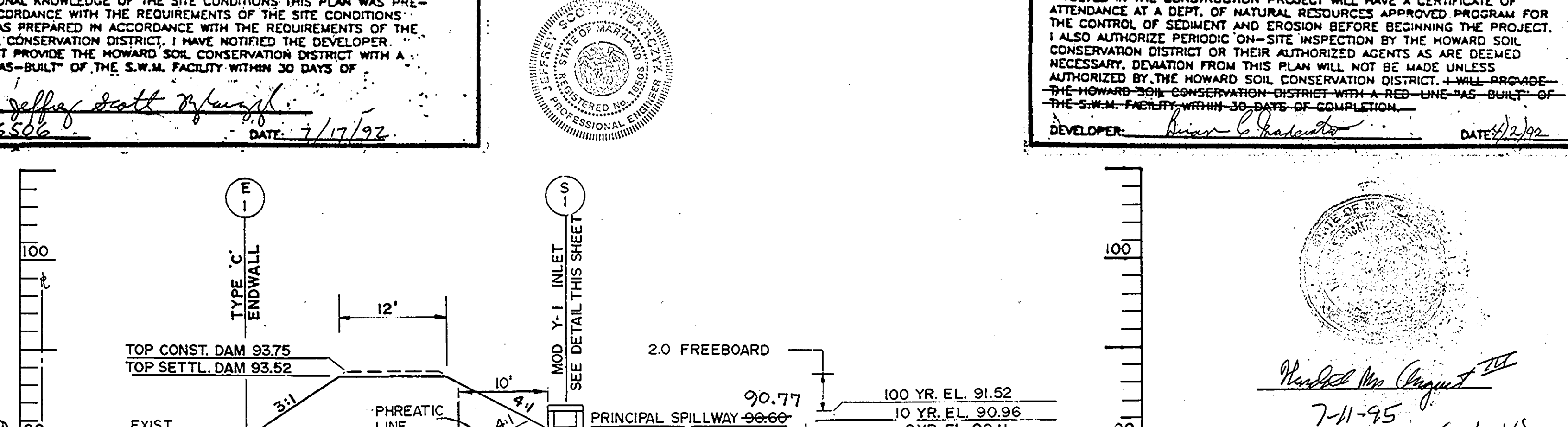
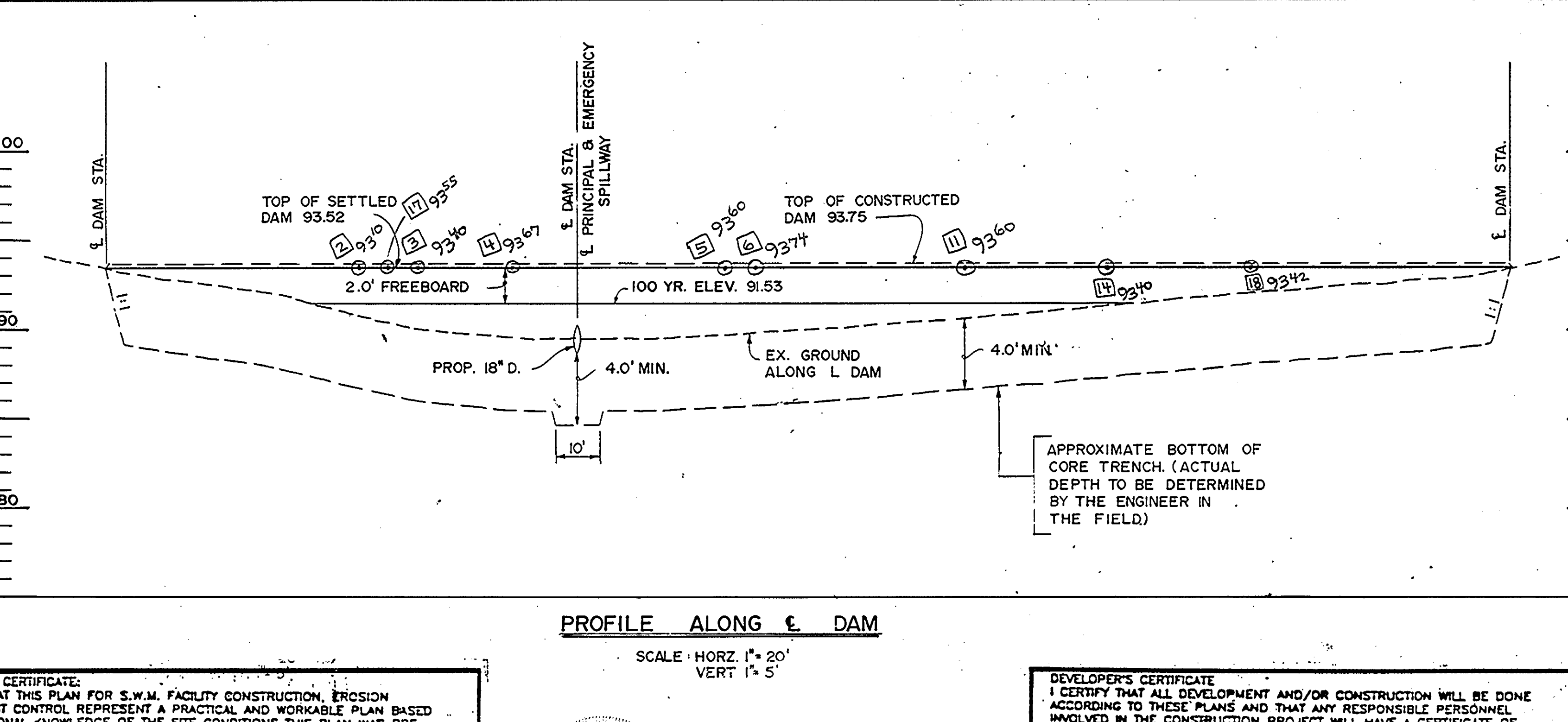
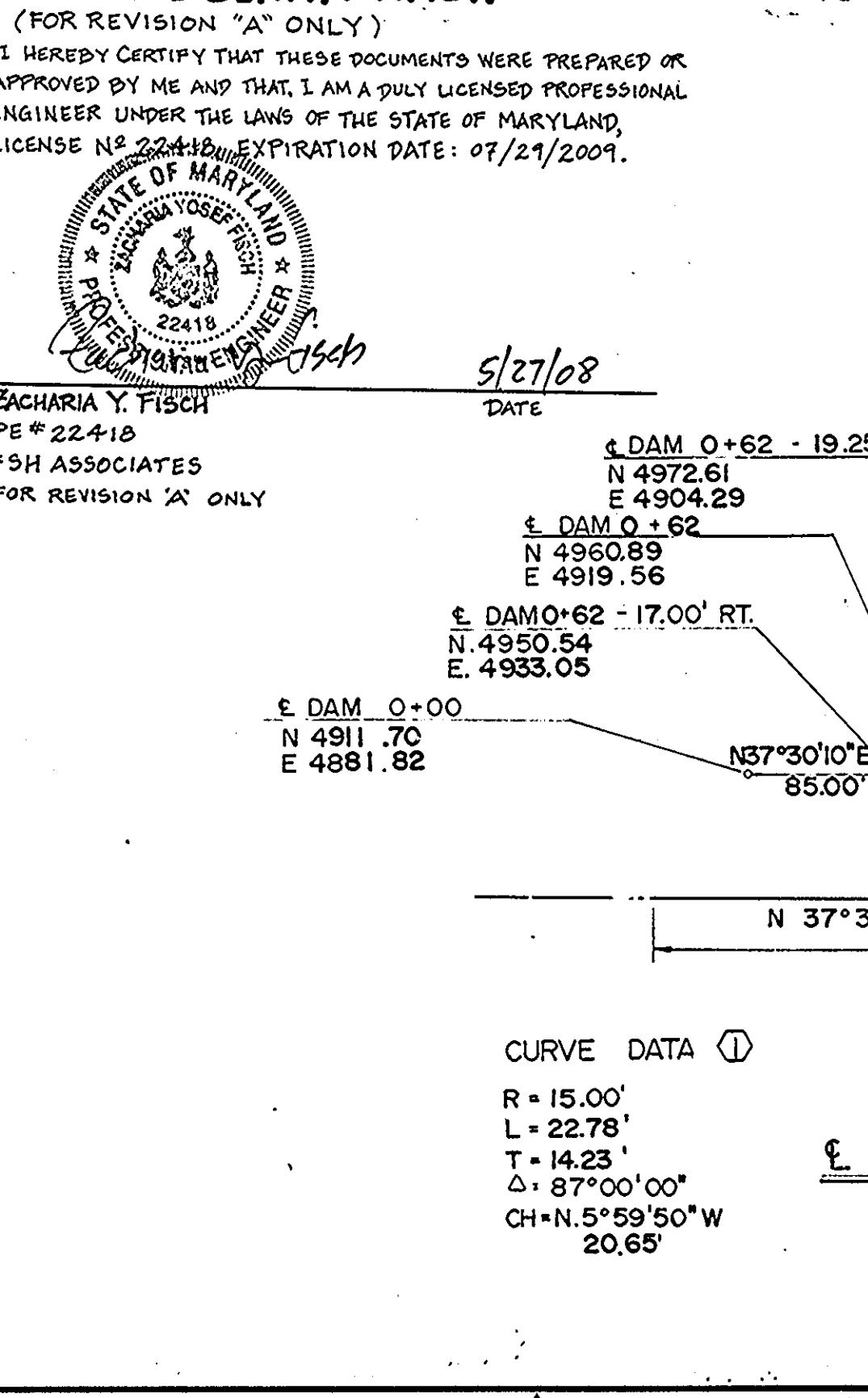
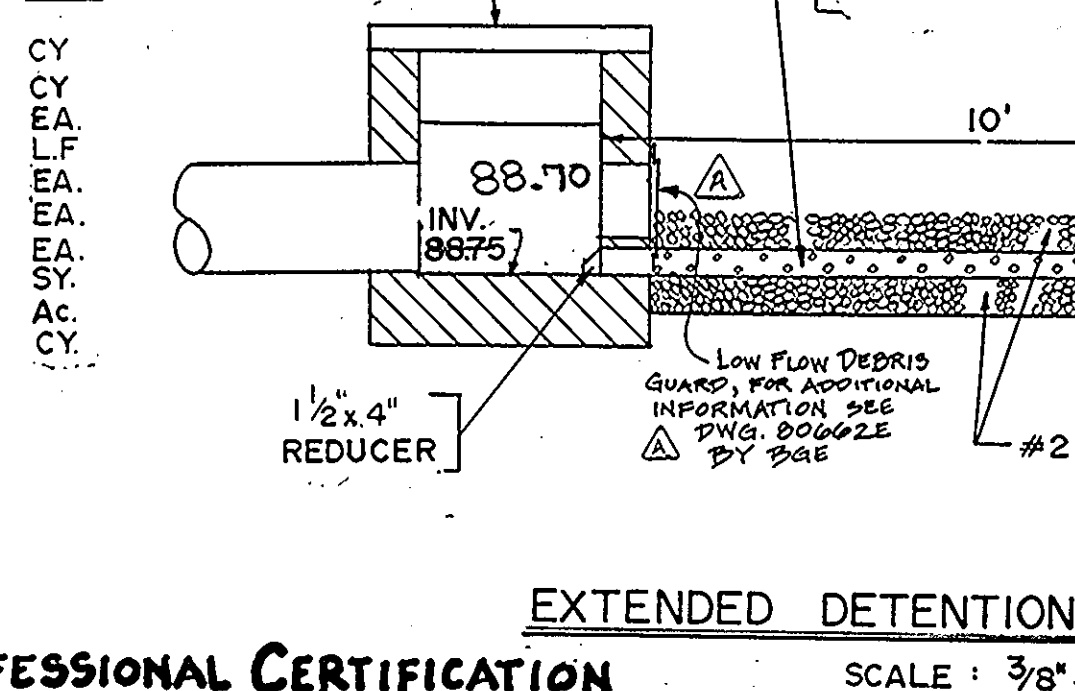
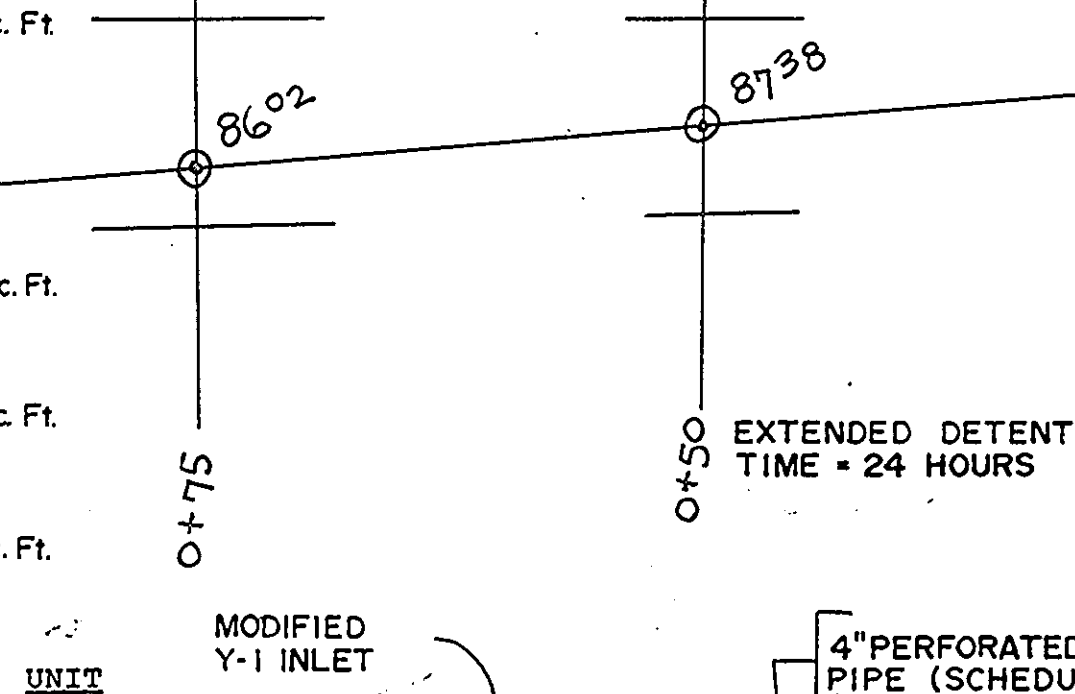
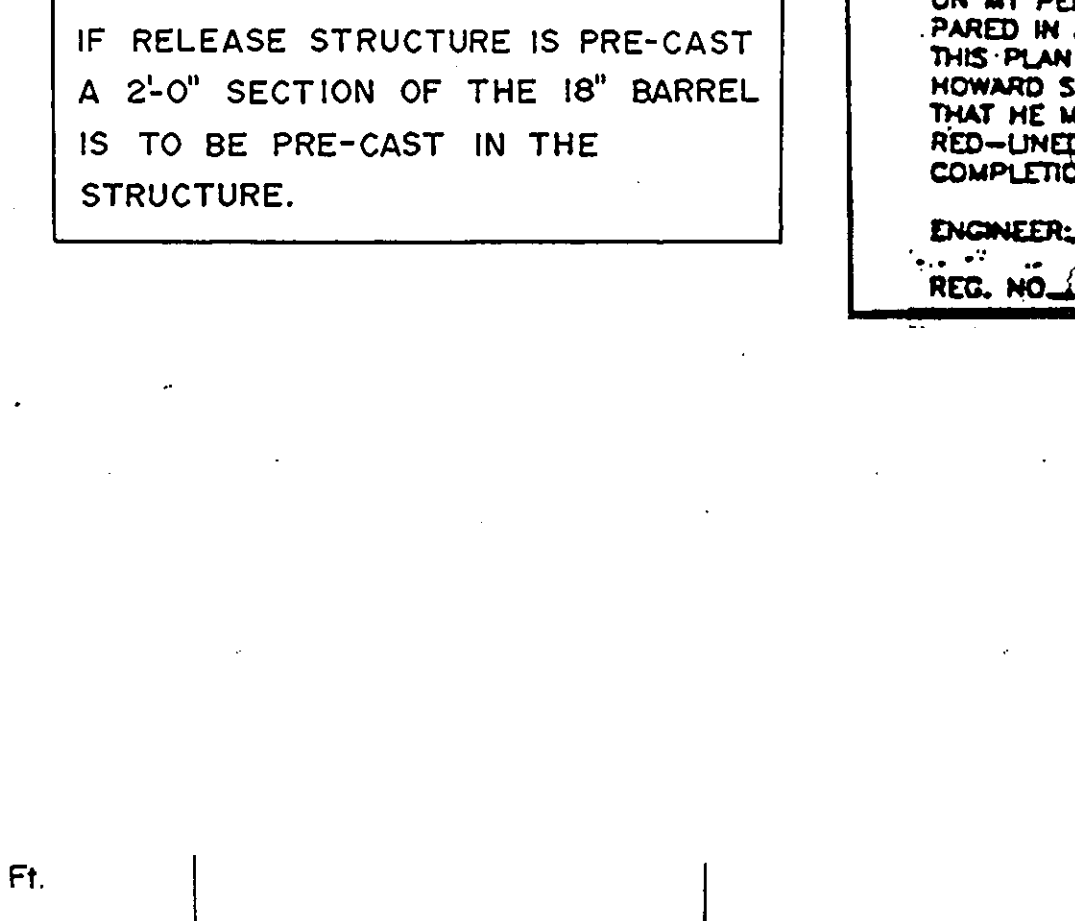
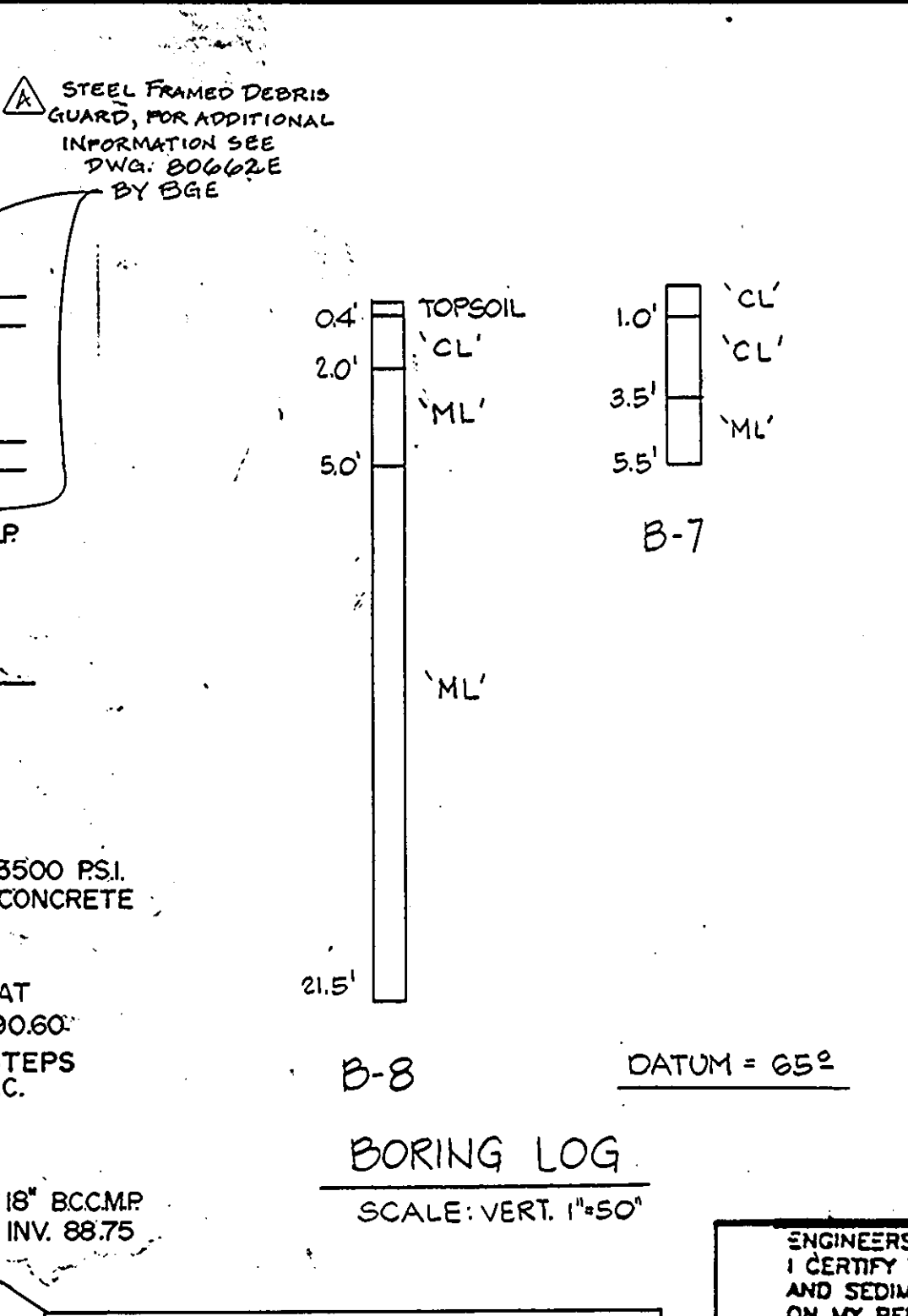
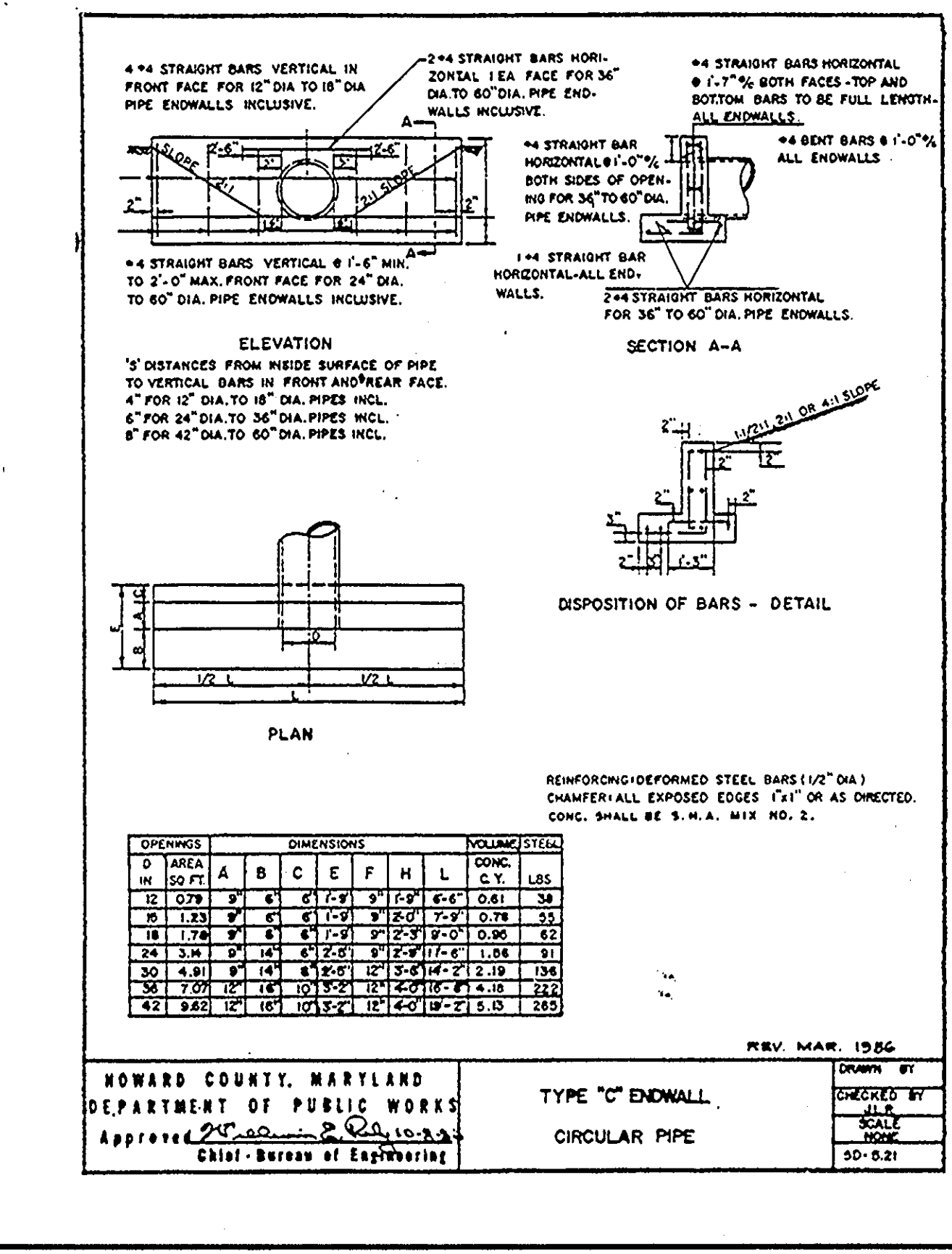
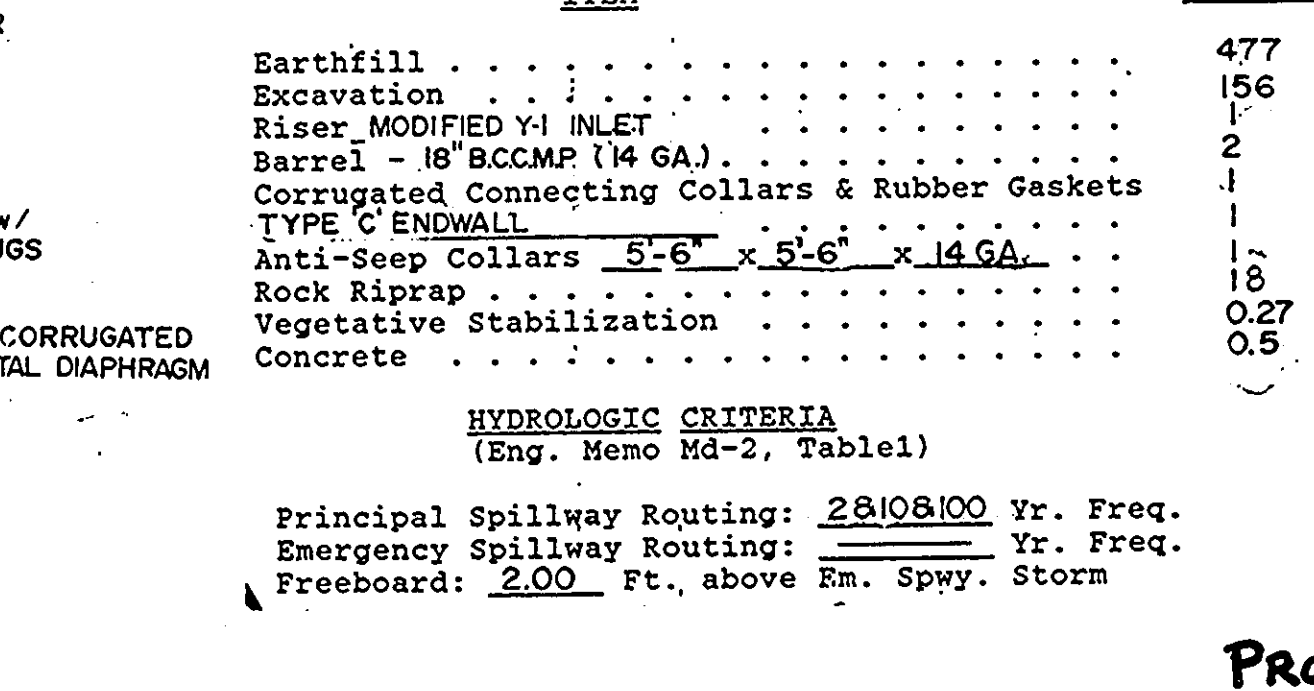
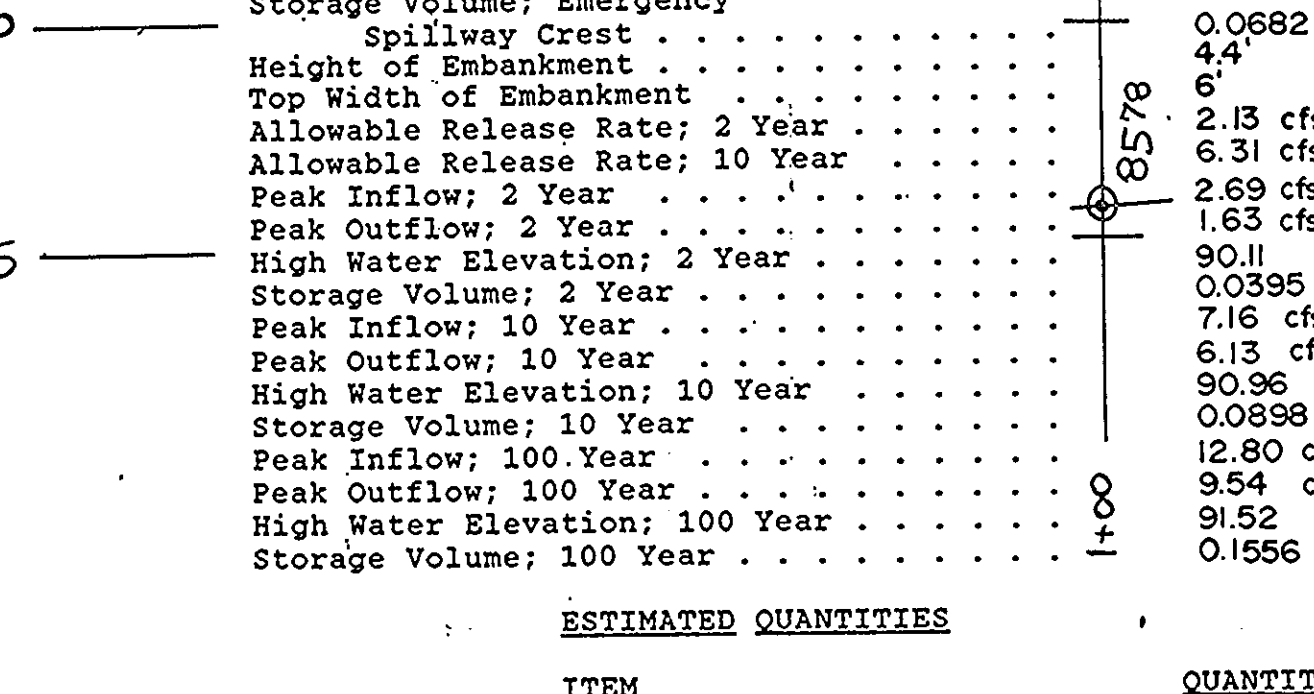
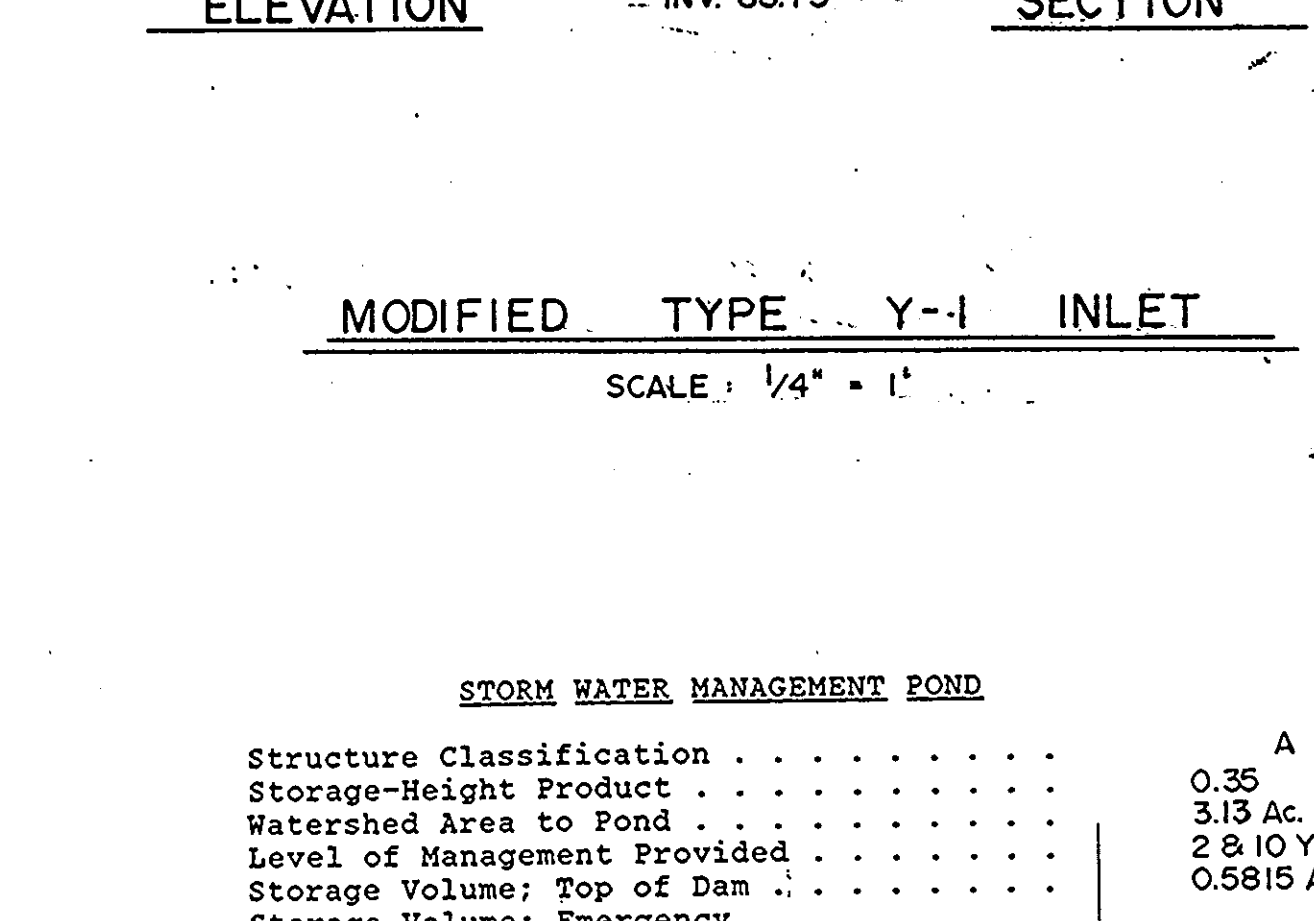
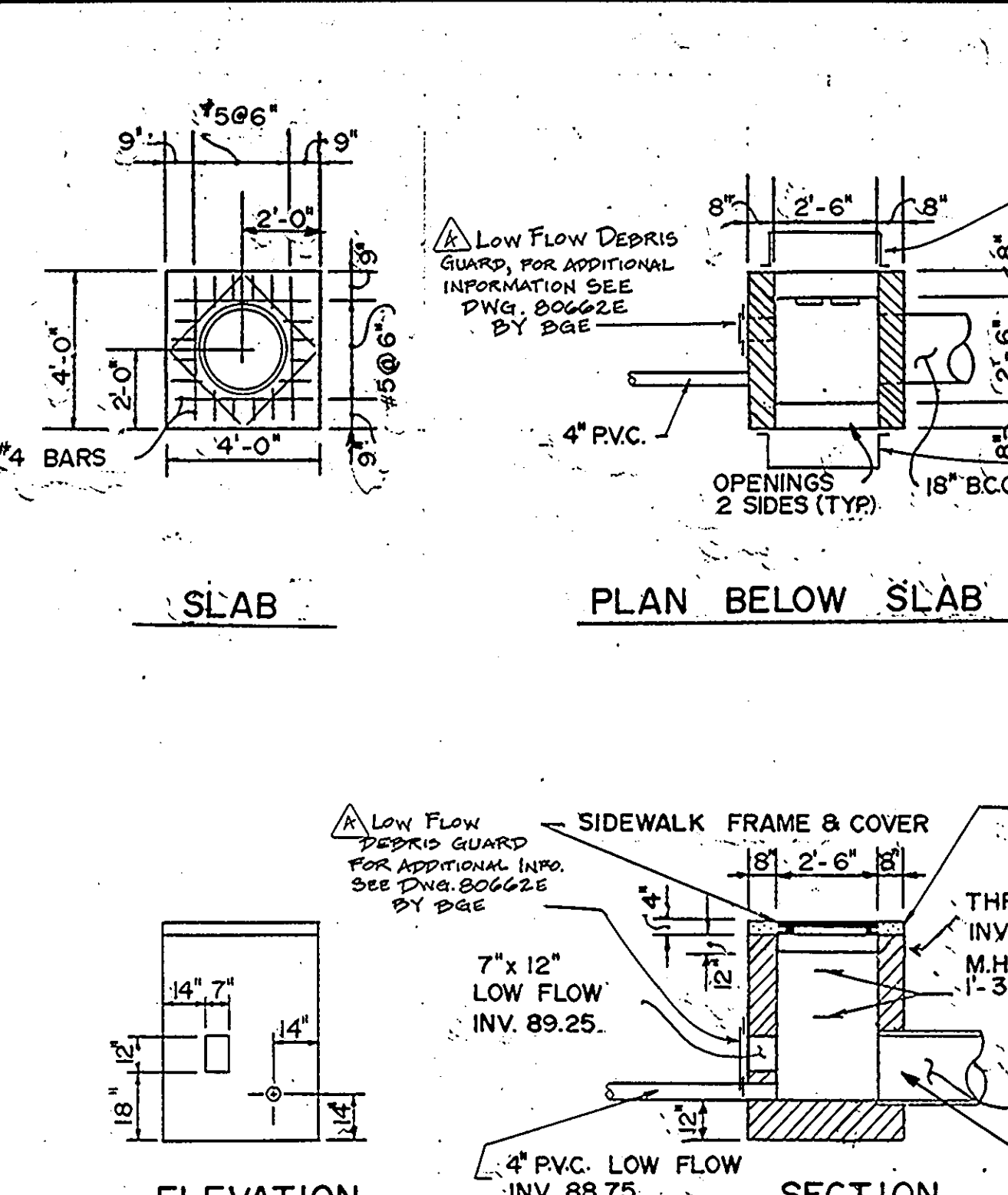
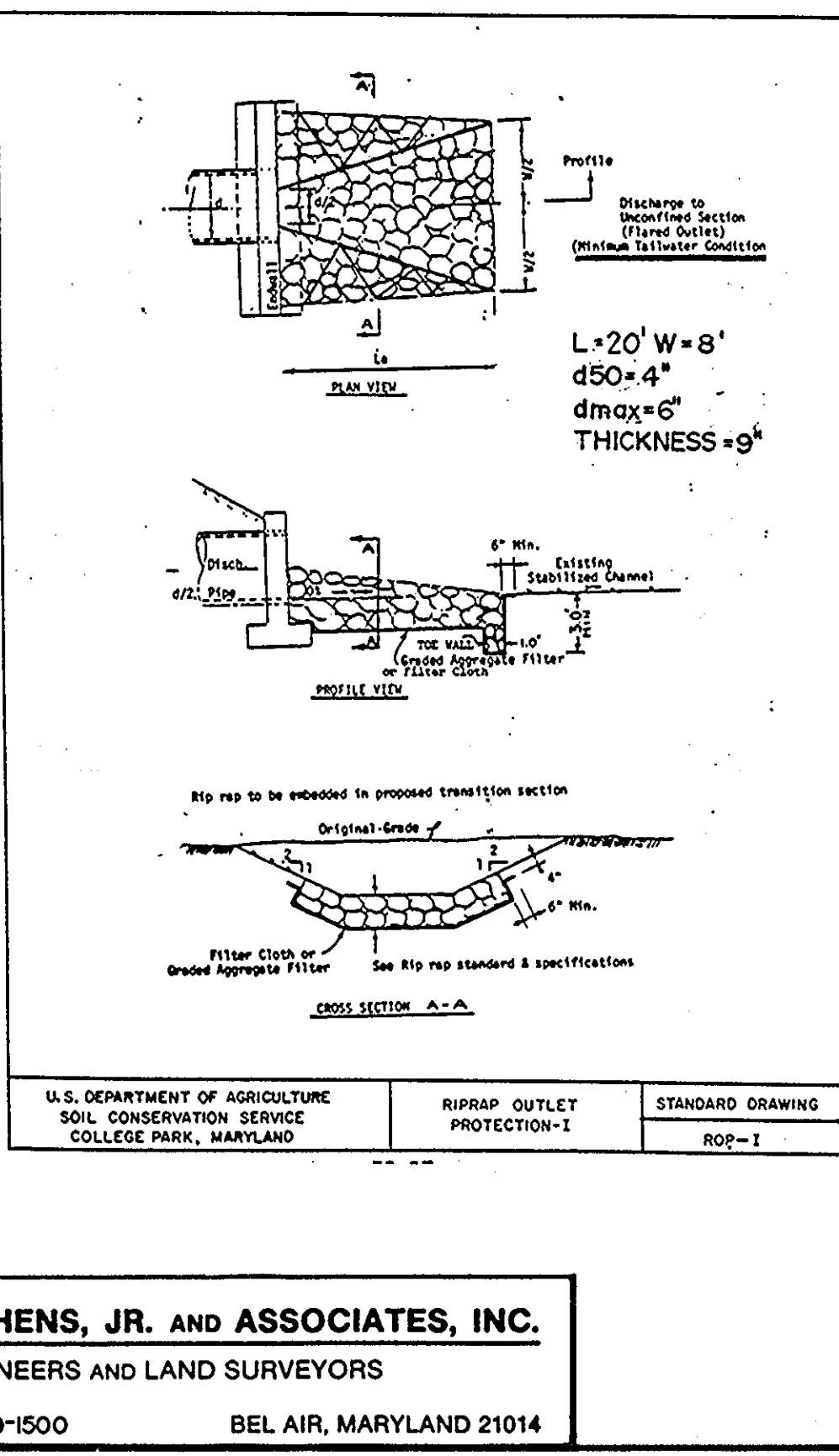
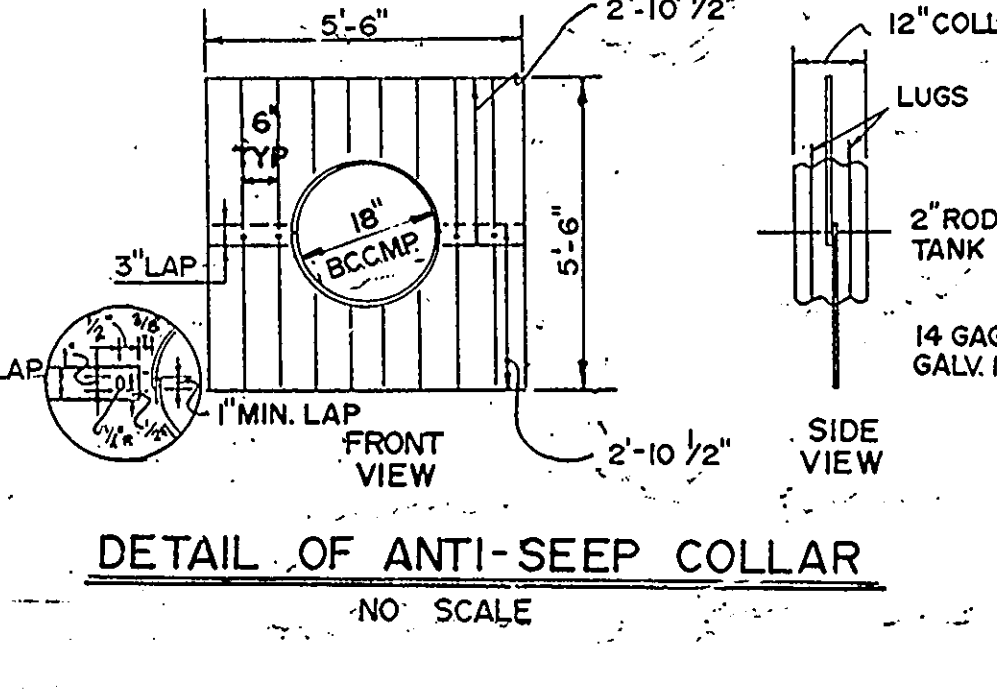
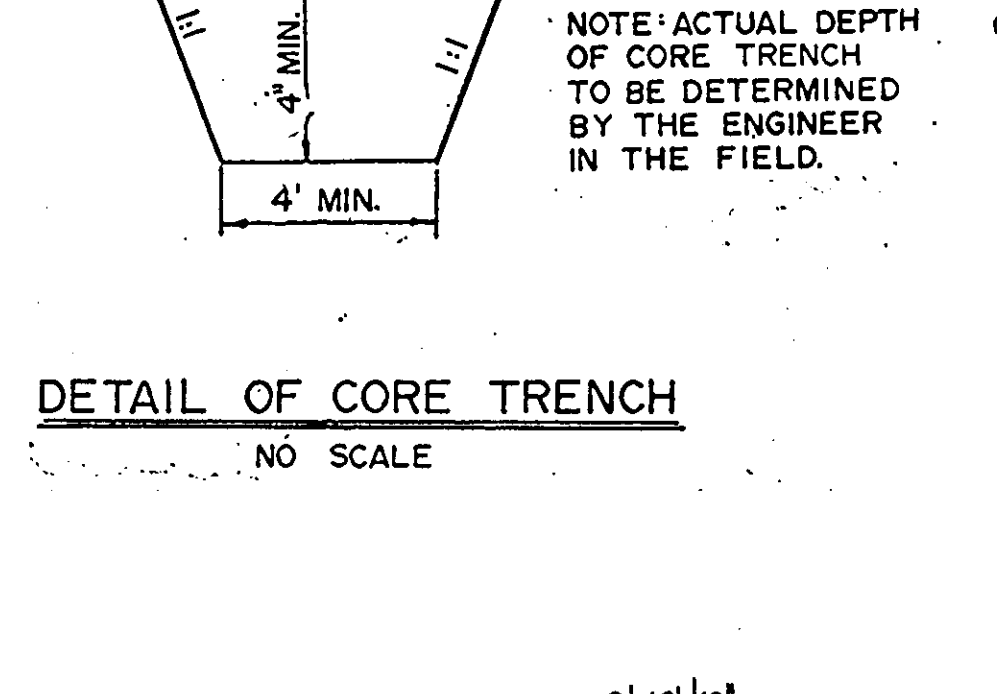
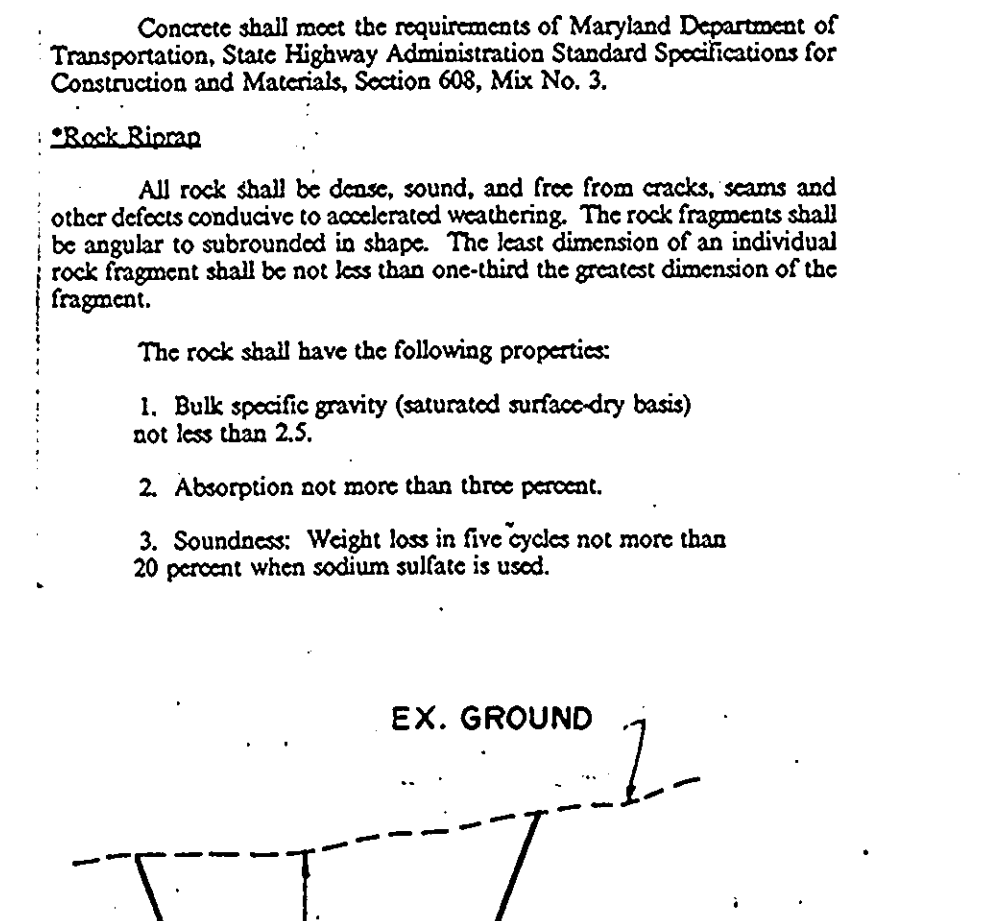
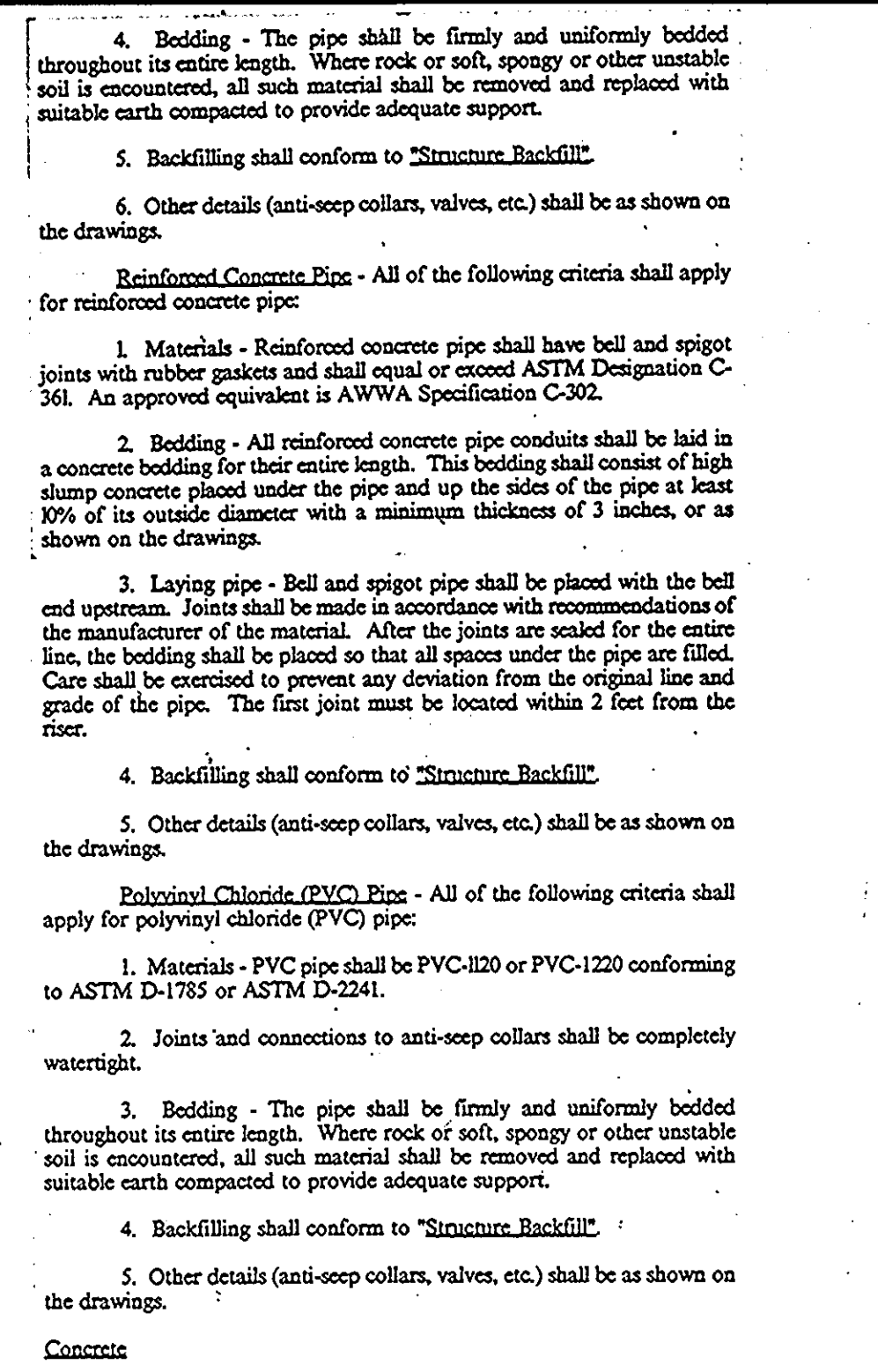
Pipe Conduits

All pipes shall be circular in cross section.

Compacted Metal Pipe - All of the following criteria shall apply for compacted metal pipe:

- Materials - (Steel Pipe) - This pipe and its appurtenances shall be galvanized and fully stainless coated and shall conform to the requirements of AASHTO Specification M-190 Type A with watertight coupling bands. Any bluish-green coating damaged or otherwise removed shall be replaced with cold applied bismuthous coating compound. Steel pipes with polymer coatings shall have a minimum coating thickness of 0.01 inch (1 mil) on both sides of the pipe. The following coatings or an approved equal may be used: Neolon, Fluoro-Cote, Bio-Kid, and Bio-Cu-Lov. Coated corrugated steel pipe shall meet the requirements of AASHTO M-245 and M-246.
- Materials - (Aluminum Coated Steel Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-196 or M-211 with watertight coupling bands or flanges. Any aluminum coating damaged or otherwise removed shall be replaced with cold applied bismuthous 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 or flanges. 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 between 4 and 9.
- Coupling bands, anti-seep collars, and sections, etc. must be composed of the same material as the pipe. Metals must be similar to dissimilar materials with use of rubber or plastic insulating materials at least 24 mils in thickness.
- 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. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight. Duplex bands are not considered to be watertight.
- All connections shall use a rubber or neoprene gasket when joining pipe sections. The end of each pipe shall be provided an adequate number of corrugations to accommodate the band width. The following type connections are acceptable for pipes less than 48" in diameter: flanges on both ends of the pipe, a 12" wide by 3/8" thick closed coil circular neoprene gasket; and a 12" wide by 3/8" thick closed coil circular neoprene gasket; and a 12" wide by 3/8" thick closed coil circular neoprene gasket and a 12" wide by 3/8" thick closed coil circular neoprene gasket. A 12" wide by 3/8" thick closed coil circular neoprene gasket will be installed on the end of each pipe for a total of 24" neoprene gasket.

Hotly corrugated pipe shall have either continuously welded seams or have lock seams.



Rev	Date	J.O./Ext. No.	Description	Approved	ENGINEERING	STORM WATER MANAGEMENT
MAR1992	EC1533	INST 25 MVA, 34.5-13 KV. SUB-STATION W/4 FDS	11/14/92	Civil	.....	DETAILS
MAY2000	A	INST 1-34.5KV METAL ENCLOSED CAP BANK, REMOVE LOW MOUNT GEAR ASSEMBLY, AND UPDATE CONDITIONS - 1-STEP DOWN GUARD		Prj. Engr.	.....
				Prj. Mgr.	.....
				Supv. Engr.	.....
				Design Group	.....	BG&E 34.5-13KV SUBSTATION
				Checked	.....	DISTRIBUTION & TRANSMISSION ENGINEERING DEPT.
				Drawn	.....	SYSTEM ENGINEERING SECTION
				File	.....
				Microfilmed	.....
				Orig. D	.....
				Dwg. No.	80-639-E	
				Rev.	.....

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.

CONSULTING ENGINEERS AND LAND SURVEYORS

203 E. BROADWAY 879-1500 BEL AIR, MARYLAND 21014

PROFESSIONAL CERTIFICATION

(FOR REVISION "A" ONLY)

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22418, EXPIRATION DATE: 07/21/2009.

ZACHARIA Y. FISCH
PE #22418
FSH ASSOCIATES
FOR REVISION "A" ONLY

5/27/08 DATE

STATE OF MARYLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSON INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED PROGRAM FOR CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

ENGINEER: Jeffrey Scott Wenzel
REG. NO. 116506 DATE: 7/17/92

DEVELOPER: Brandon G. Radant
DATE: 7/22/92

OWNER / DEVELOPER

BALTIMORE GAS & ELECTRIC COMPANY
1000 BRANDON SHORES ROAD
BALTIMORE, MD. 21226
PHONE 410-787-5129

Marked Mr. August III
7-11-95
These As-Built are accurate and complete and the pond is constructed exactly the requirements of the Standards and Specifications for Ponds.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT TO MEET THE TECHNICAL REQUIREMENTS FOR SMALL-POND-DESIGNATION: SOIL EROSION AND SEDIMENT CONTROL.

John M. Zille, Jr. 8/6/92
SOIL CONSERVATION SERVICE

THESE PLANS FOR SMALL-POND-CONSTRUCTION - SOIL EROSION AND SEDIMENT CONTROL, MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: Jeffery Scott Wenzel 8/6/92
HOWARD SOIL CONSERVATION DISTRICT

PLAN NUMBER

APPROVED: W/O PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS - HOWARD COUNTY HEALTH DEPARTMENT.
REVIEWED: NO FACILITIES ASSIGNED

APPROVED: James M. Campbell 8/25/92
COUNTY HEALTH OFFICER

APPROVED: Howard County Department of Planning & Zoning

APPROVED: David Smith 10/16/92
DIRECTOR

APPROVED: Emma J. Holcomb 10/15/92
CHIEF DIVISION OF COUNTY PLANNING & LAND DEVELOPMENT

APPROVED: For Public Water and Public Sewerage, Storm Drainage Systems and Public Roads Howard County Department of Public Works.

APPROVED: Ramona M. Lewis 10/8/92
DIRECTOR

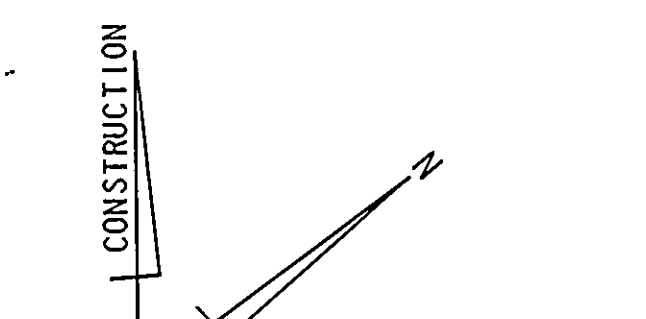
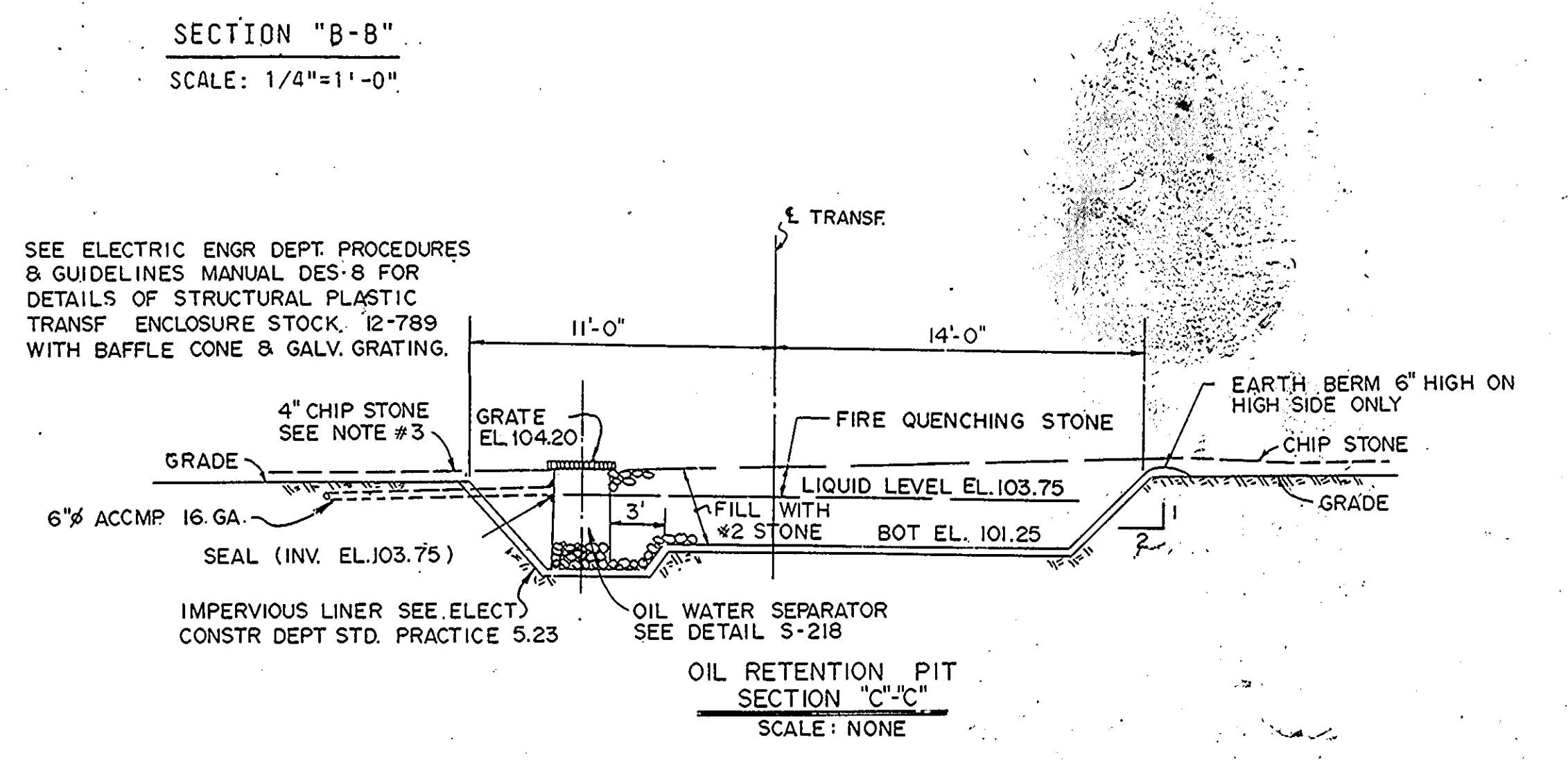
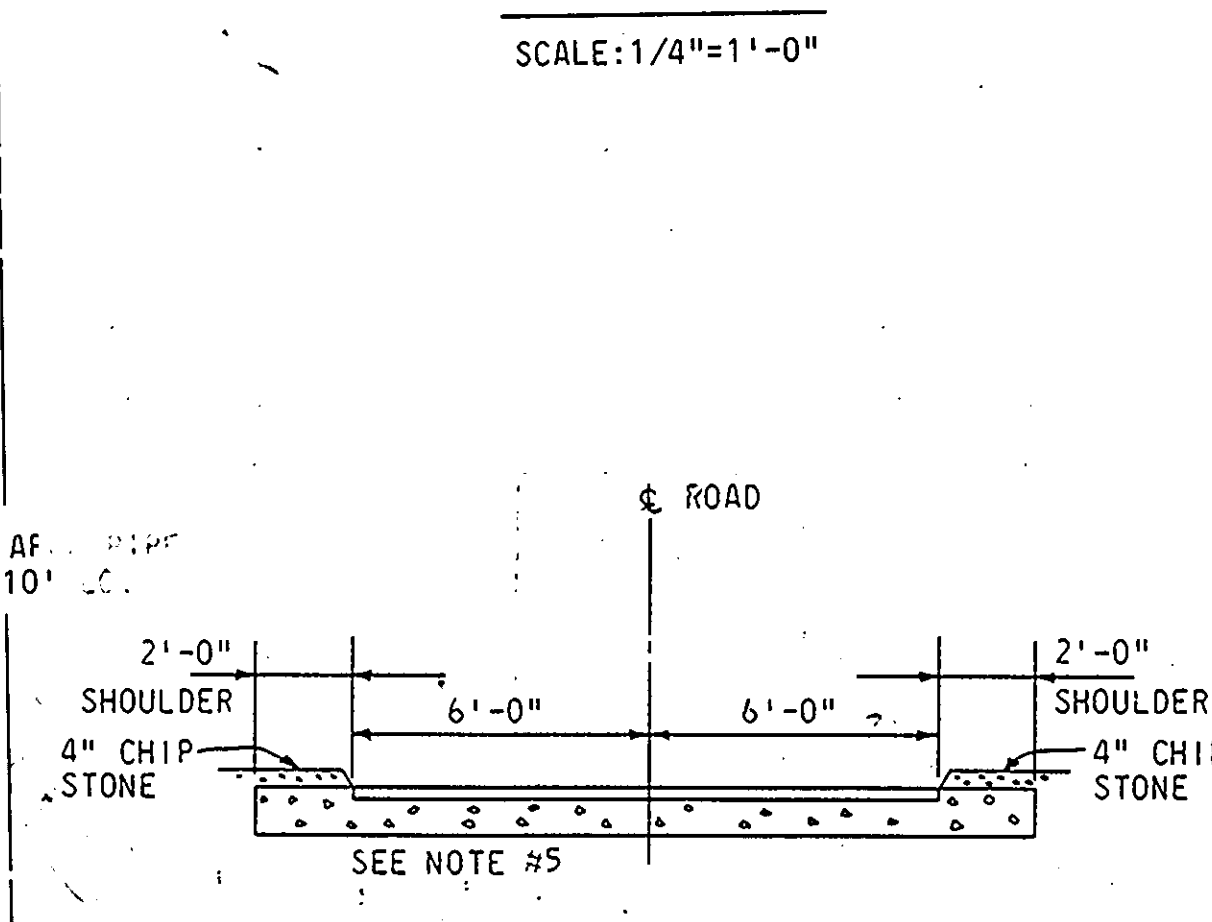
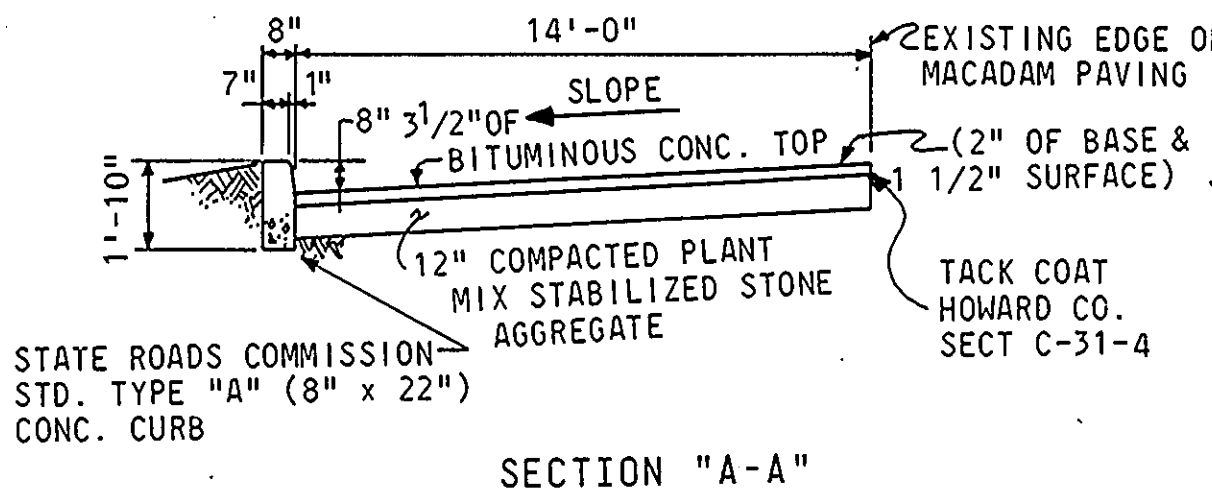
APPROVED: William E. Ray 9-9-92
CHIEF BUREAU OF ENGINEERING

STORM WATER MANAGEMENT DETAILS

BG&E 34.5-13KV SUBSTATION
DISTRIBUTION & TRANSMISSION ENGINEERING DEPT.
SYSTEM ENGINEERING SECTION

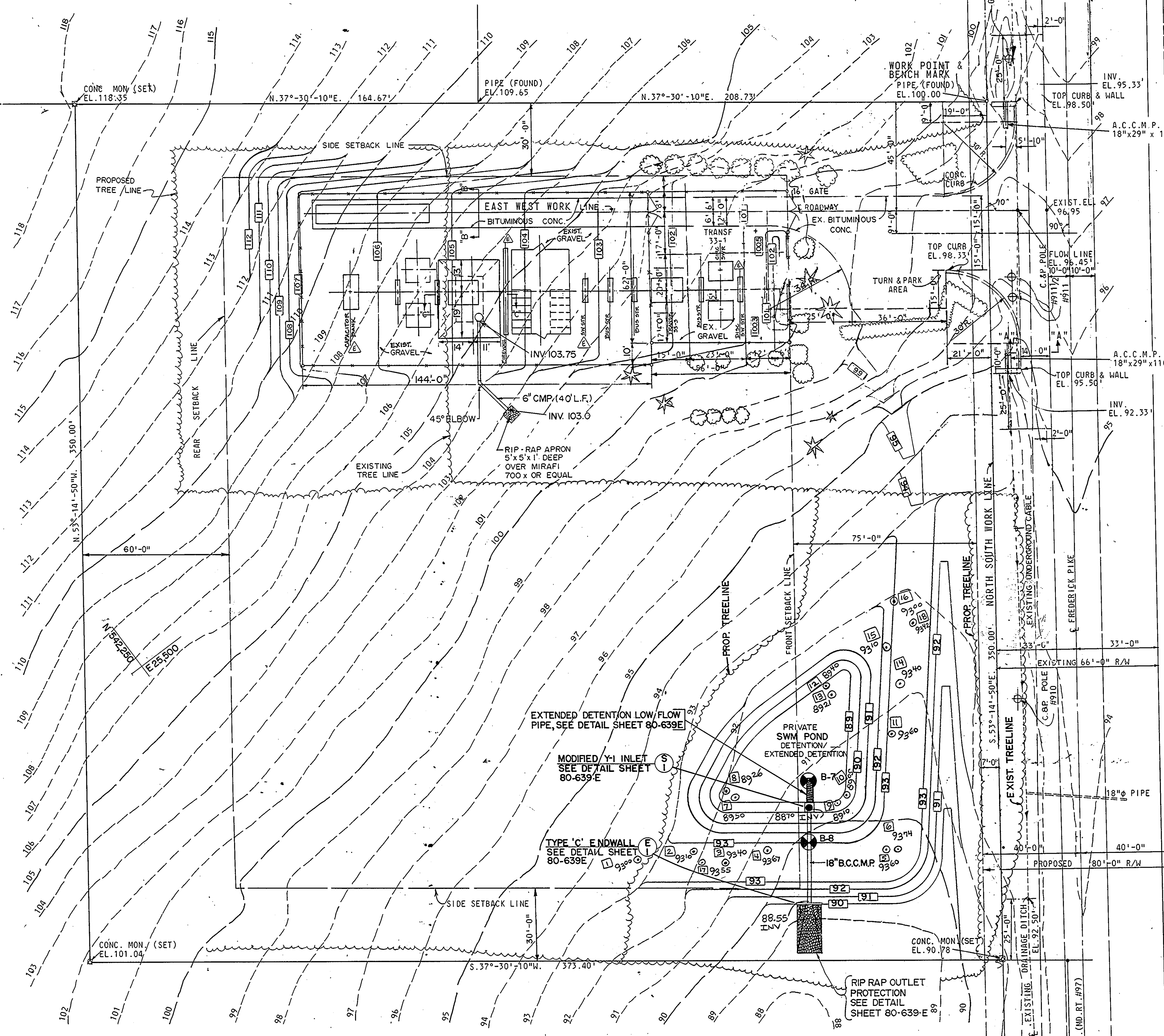
BALTIMORE GAS AND ELECTRIC COMPANY

1. DOTTED CONTOUR LINES INDICATE EXISTING TOP OF GRADE. FULL CONTOUR LINES INDICATE NEW FINISHED GRADES. ALL FILL TO BE WELL COMPACTED.
2. FENCE: TO BE CHAIN LINK CONSTRUCTION WITH AN OVERALL HEIGHT OF 8'-0" CONSISTING OF SEVEN (7) FEET OF FABRIC WITH THREE (3) STRANDS OF BARBED WIRE TURNED OUT.
3. STONE AREA: 4" OF STONE COVER TO BE PLACED OVER NEW FINISHED GRADES WITHIN FENCED AREA. STONE COVER SHALL BE MARYLAND STATE ROADS DESIGNATION SRC-4 BLUE GRAY CRUSHED TRAP ROCK. VENDOR SHALL MAKE NECESSARY ARRANGEMENTS TO INSURE UNIFORM COLOR OVER ENTIRE AREA. LOS ANGELES ABRASION RATING SHALL BE LESS THAN 50%.
4. BENCH MARK: EL. 100.00 (ASSUMED) TOP OF PIPE LOCATED AT NORTH EAST CORNER OF PROPERTY.
5. ROADWAY: COMPACT SUBGRADE TO 95% DENSITY AS DETERMINED BY ASTM-1557-70. INSTALL 8" OR CR-467 CRUSHED STONE BASE ON TWO LIFTS & COMPACT EACH LIFT WITH A 10 TON ROLLER. INSTALL 2" BITUMINOUS BINDER COURSE (B1 BRAND). INSTALL 1" BITUMINOUS CONCRETE SURFACE (SN BAND) AS PER MARYLAND STATE HIGHWAY ADMINISTRATION SPEC.
6. ALL AREAS DISTURBED BY GRADING OTHER THAN THOSE COVERED WITH STONE SHALL BE STABILIZED BY SEEDING AND MULCHING AS SOON AS AREAS ARE AVAILABLE FOR GROUNDS PREPARATION. APPROXIMATELY 2 INCHES OF TOP SOIL WILL BE APPLIED & SEEDING WITH 70% KENTUCKY FESCUE, 20% DOMESTIC RYE & 10% CREEPING RED FESCUE AT A RATE OF 6 POUNDS PER 1000 SQ. FT. AGRICULTURAL LIME TO BE ADDED AT A MINIMUM RATE OF 50 POUNDS PER 1000 SQ. FT. SLOPE STABILIZATION WILL INCLUDE SEEDING, FERTILIZING & MULCHING. CRITICAL AREAS SHALL HAVE LUDLOW "SOIL SAVER" JUTE NETTING APPLIED TO SURFACES WITH SIX INCH WIRE STAPLES. OTHER AREAS WILL BE MULCHED WITH STRAW AT A RATE OF 1 1/2 TO 2 TONS OF WHEAT STRAW PER ACRE & SECURED. FERTILIZER TO BE APPLIED AT 25 LBS/1000 SQ. FT.
7. STANDARD METAL STRAPPED BALES OF HAY ARE TO BE PLACED WHERE INDICATED & SECURED BEFORE GRADING BEGINS.
8. THIS IS AN UNATTENDED STATION AND THEREFORE NO PERMANENT EMPLOYEES ARE LOCATED ON THE PREMISES. THEREFORE SANITARY FACILITIES WILL NOT BE PROVIDED.
9. NOTIFY HOWARD COUNTY SOIL CONSERVATION OFFICE 24 HOURS PRIOR TO STARTING.



LINWOOD D. & MARTHA C. HOGGARD
432 / 360

C & P TELEPHONE CO. OF MD.
355 / 298



PROFESSIONAL CERTIFICATION
(FOR REVISION "E" ONLY)

AUGUSTUS RIGGS 4TH
180 / 343

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22418; EXPIRATION DATE: 07/21/2009.

6/27/08 DATE

ZACHARY Y. FISCH
PE #22418
FISH ASSOCIATES, FOR REVISION "E" ONLY



Michael M. August III
7-11-95 (as built)

These As-Built are accurate and complete and the pond as constructed meets the requirements of the standards & specifications for Ponds.

<p>THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION: EROSION AND SEDIMENT CONTROL.</p> <p>APPROVED: <i>James M. Zuber</i> 5/1/92 HOWARD COUNTY HEALTH DEPARTMENT</p>	<p>APPROVED: <i>John W. O'Neil</i> 5/1/92 HOWARD COUNTY HEALTH DEPARTMENT</p>
<p>APPROVED: <i>James M. Zuber</i> 5/25/92 HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING</p>	<p>APPROVED: <i>James M. Zuber</i> 10/16/92 DIRECTOR</p>
<p>APPROVED: <i>James M. Zuber</i> 10/15/92 CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT</p>	<p>APPROVED: <i>James M. Zuber</i> 10/6/92 DIRECTOR</p>
<p>APPROVED: <i>James M. Zuber</i> 9/9/92 CHIEF BUREAU OF ENGINEERING</p>	<p>APPROVED: <i>James M. Zuber</i> 9/9/92 DIRECTOR</p>

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR S.W.M. FACILITY CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT 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 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 A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

ENGINEER: *John W. O'Neil*
REG. NO. 16506 DATE: 7/17/92

DEVELOPER'S CERTIFICATE
I 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 DEPT. OF NATURAL RESOURCES APPROVED 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 OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL ABANDON THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINE "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

DEVELOPER: *James M. Zuber*
DATE: 2/2/92

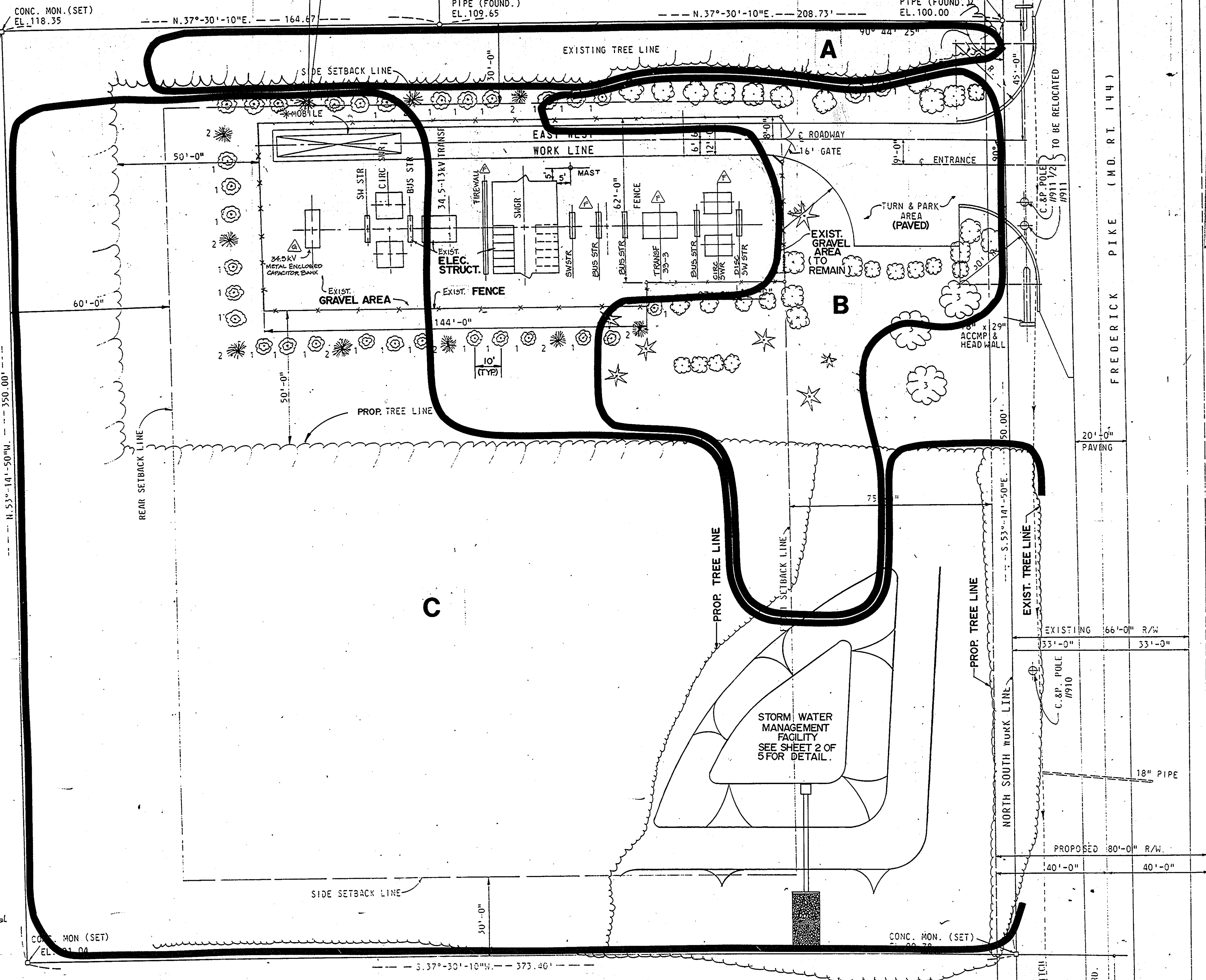
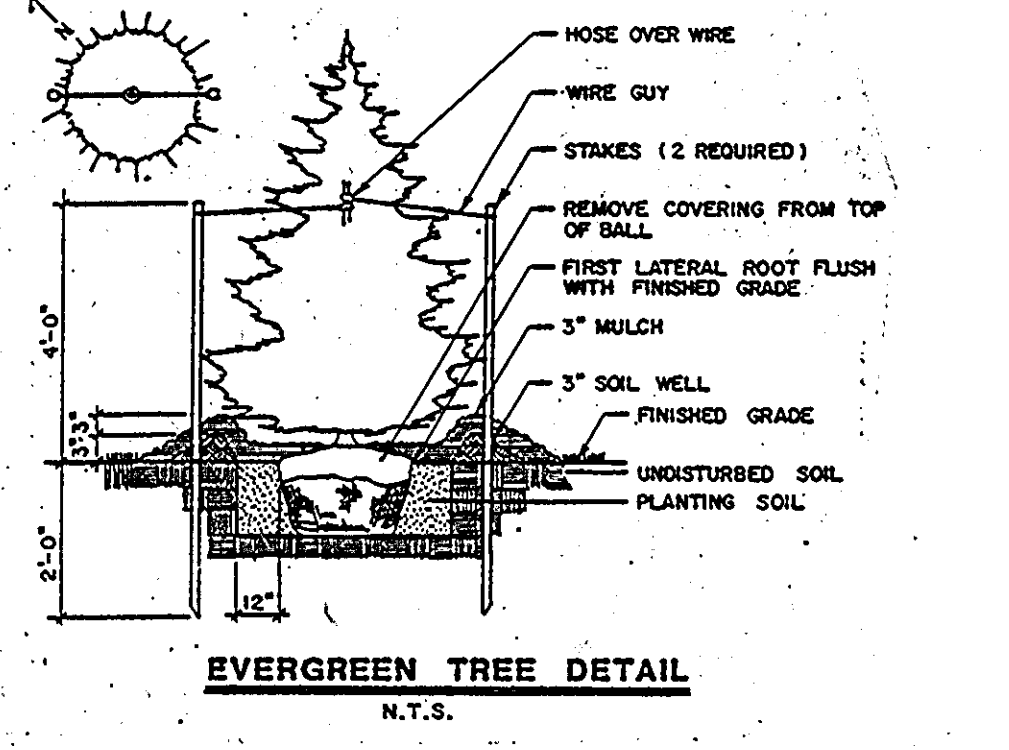
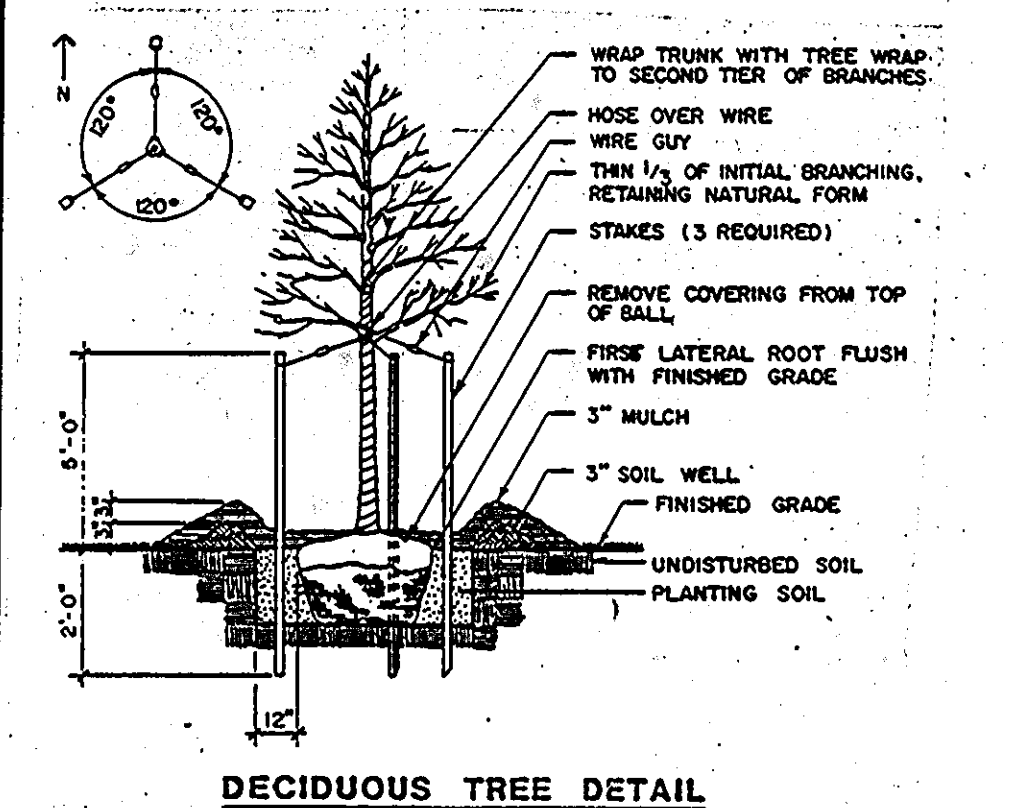
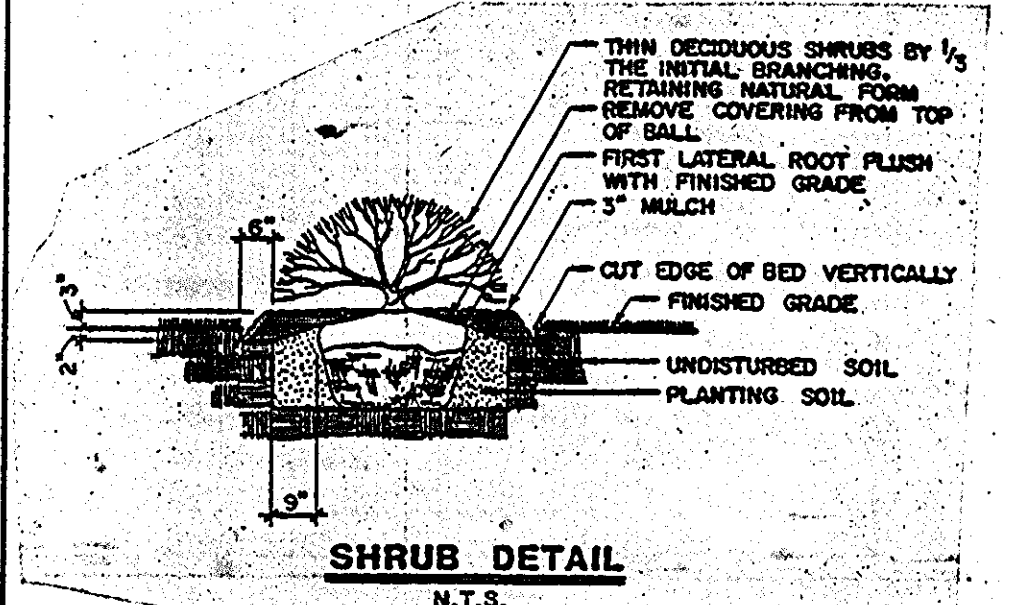
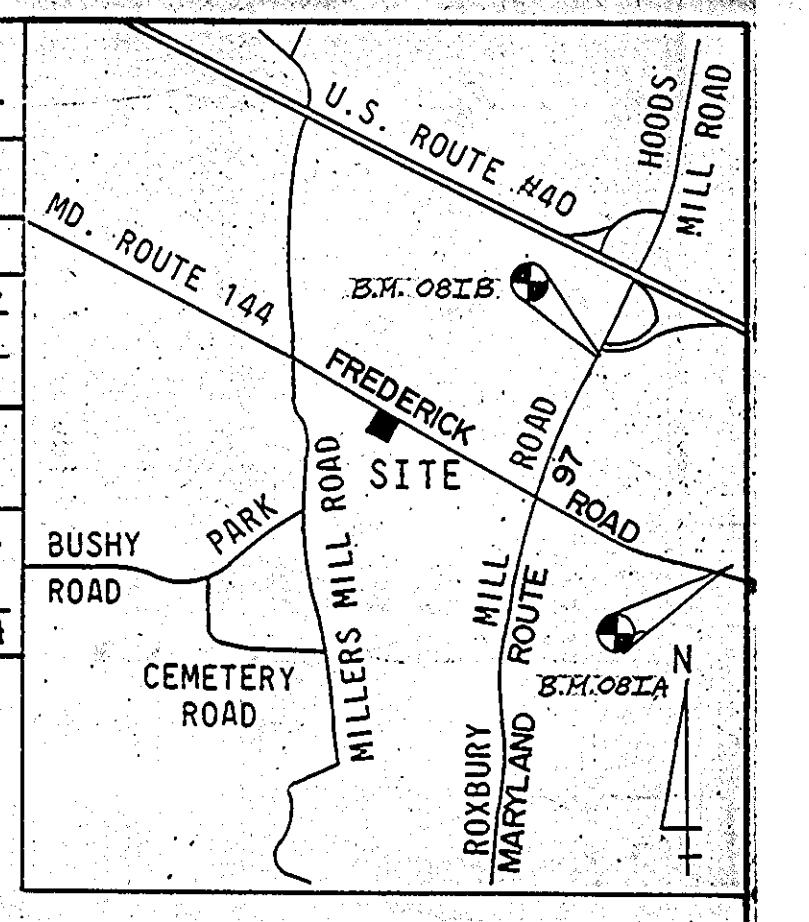
JOB ORDER	REV.	DATE	DESCRIPTION	APPROVAL	ENGINEERING	GRADING PLAN, FENCE, ROADWAY & STORM WATER MANAGEMENT
EC-9346	A	9-18-72	REVISED ENTRANCE PER STATE ROADS COMMISSION REQUEST		CIVIL	
EC-3973	B	10-23-79	INSTN OF 1-36.5KV 1800KVAR SWITCHED CAPACITOR		MECH. ELEC.	
EC-6101	C	3-7-83	INSTN OF BATTERY & CHARGER CABINET		CHIEF ENGINEER	
EC-1533	D	MAR. 92	INST. 25 MVA, 34.5-13 KV SUBSTATION AND RETIRE EXISTING SUBSTATION		MANAGER	BG&E 34.5-13KV SUBSTATION COOKSVILLE HOWARD COUNTY 14725 FREDERICK ROAD
	E	MAY 2008	INST. 34.5KV ENCLOSED CAPACITOR BANK REMOVE LOW-VOLTAGE CAPACITOR, UPGRADE SITE CONDITIONS, LOCATE 250 34.5-13KV 25MVA TRANSFORMER		DESIGN & DRAFTING	BALTIMORE GAS AND ELECTRIC COMPANY ELECTRIC ENGINEERING DEPARTMENT

WHH 432-360
LINWOOD D & MARTHA C HOGGARD
ZONE R

HOWARD COUNTY D.P.W.
2084-0341
ZONE R

*NOTE: MOBILE UNIT IS NOT PERMANENT,
IS ON LOCATION ONLY DURING
EMERGENCIES.

APPROVED: WITHOUT WATER OR SEWER SERVICES
REVIEWED: NO FACILITIES REQUIRED
COUNTY HEALTH OFFICER: *[Signature]* DATE: 10/16/92
APPROVED: HOWARD CO. DEPT. OF PLANNING & ZONING
PLANNING DIRECTOR: *[Signature]* DATE: 10/16/92
CHIEF DIVISION OF COMMUNITY PLANNING & ZONING
APPROVED FOR PUBLIC WATER SEWERAGE & STORM-
DRAIN SYSTEMS & ROADS, HOWARD CO.
DEPARTMENT OF PUBLIC WORKS,
DIRECTOR: *[Signature]* DATE: 10/16/92
CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 10/16/92



ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR SMALL FACILITY 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 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 A RED-LINED "AS-BUILT" OF THE SMALL FACILITY WITHIN 30 DAYS OF COMPLETION.
ENGINEER: *[Signature]* DATE: 7/17/92
REG. NO. 16506

DEVELOPER'S CERTIFICATE
I 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 THE DEPT. OF NATURAL RESOURCES APPROVED 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 OR THEIR AUTHORIZED AGENTS AS ARE DETAILED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE SMALL FACILITY WITHIN 30 DAYS OF COMPLETION.
DEVELOPER: *[Signature]* DATE: 9/2/92

VICINITY PLAN
SCALE: 1"=2000'
B.M. 081A N 188.217, 7955 E 399, 343.062 ELEV. 150.5
B.M. 081B N 188.827, 7158 E 398, 437.126 ELEV. 149.7

SITE ANALYSIS
THIS PROPERTY IS LOCATED IN THE 4TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND.
TAX MAP 8, PARCEL 240, GRID 22 ZONED R
AREA OF: PROPOSED SUBSTATION: 10,080 S.F. = 0.23 AC.
EXISTING SUBSTATION: 2,688 S.F. = 0.06 AC.
AREA TO BE RETAINED: 2,688 S.F. = 0.06 AC.
GREEN AREA TO REMAIN: 117,932 S.F. = 2.71 AC.
TOTAL SITE: 130,680 S.F. = 3.00 AC.
OWNER: B.G. & E. CO.
P.O. BOX 1475
BALTIMORE, MARYLAND 21203
PROPOSED USE: ELECTRICAL SUBSTATION
ZONING CASE NUMBERS:
JUNE 20, 1972 - 710C
BA-91-53E-APPROVED MARCH 12, 1992-SEE CONDITIONS BELOW
SDP 92-103
NOTE: SOUND LEVEL AT PROPERTY LINE IS EXPECTED TO BE BELOW 65db.

355-298
JOS. BERKE
ZONE R
BA-91-53E APPROVED 3-12-92

- CONDITIONS
- The Petitioner shall comply with all applicable laws, regulations and guidelines, including, but not limited to, those pertaining to limitations on noise levels.
 - The Petitioner shall submit a site development plan to the Department of Planning and Zoning within six (6) months of the date of this order.
 - The special exception is limited to the installation and operation of the equipment as designated on the special exception plat submitted with the petition, and not to any other buildings, structures, additions or uses; any future transformers, capacitors, structures, additions, activities, or equipment not indicated on the special exception plat are not approved and are not a part of this granted special exception.
 - The Petitioner shall landscape the site in accordance with the special exception plat submitted with the petition.
 - All exterior lighting shall be directed downward and inward so as not to shine or reflect onto adjacent properties or roads.

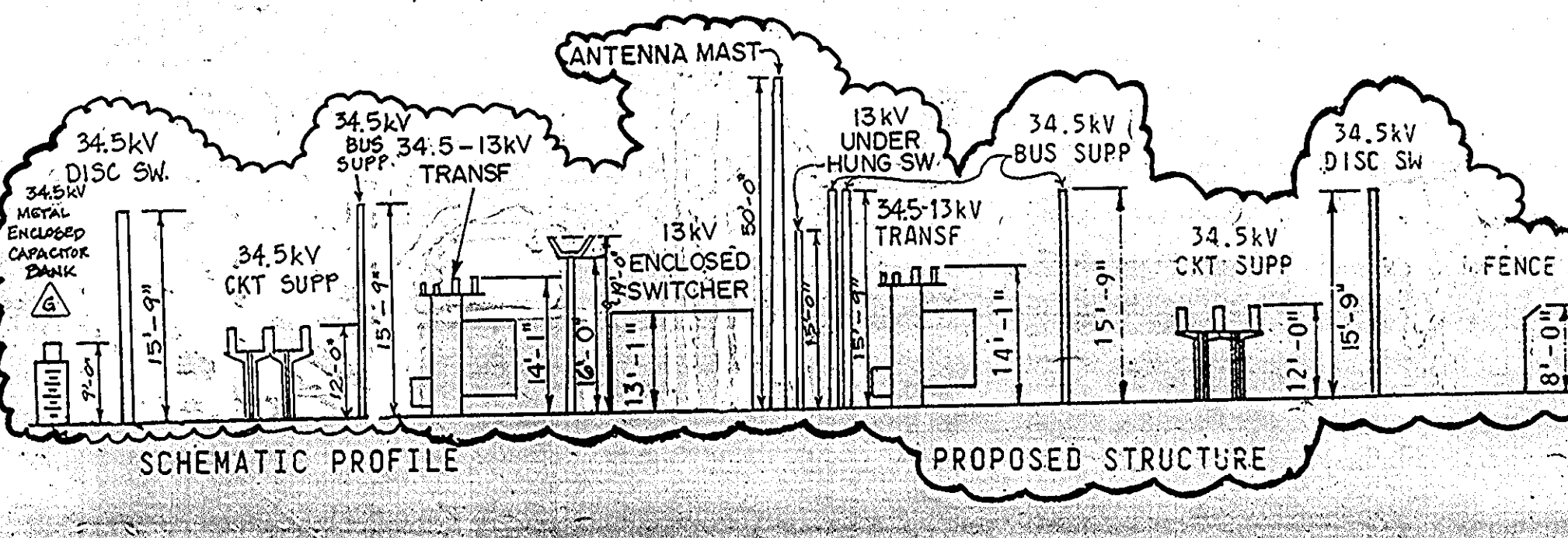
- Existing Vegetative Communities
- A. Group A
1. Description: Hardwood Hedge
Dominant Species:
Robinia pseudo-acacia (Black locust) 6-12" DBH
Prunus serotina (Black cherry) 4-6" DBH
Acer negundo (Box elder) 6" DBH
Ailanthus altissima (Tree-of-heaven) 6" DBH
2. Maturity and general condition: Intermediate growth in good condition
- B. Group B
1. Description: Ornamental Evergreens
Dominant Species:
Pinus strobus (White pine) 10-12" DBH
Picea abies (Norway Spruce) 6-8" DBH
Juniperus chinensis glauca hetti (Blue later juniper) 8' height
2. Maturity and general condition: Ornamental evergreens in this community are in good condition, with dense branching.
3. Specimen: 12" DBH Pinus strobus (White pine) located to immediate north of parking area.
- C. Group C
1. Description: Volunteer deciduous trees in an open field
Dominant species:
Prunus serotina (Black cherry) 2-6" DBH
Acer rubrum (Red maple) 2-6" DBH
Acer saccharinum (Silver maple) 2-6" DBH
Liriodendron tulipifera (Yellow poplar) 3-6" DBH
Robinia pseudo-acacia (Black locust) 4-6" DBH
2. Maturity and general condition: Volunteer species, 7-12 years old, free to grow in open field.

- GENERAL NOTES
- Maximum building height - 10'.
 - All areas not being paved or receiving building coverage shall be stabilized in accordance with the plans approved by Howard Soil Conservation District.
 - Any damage to public rights-of-way and/or adjacent properties shall be repaired immediately at the contractor's expense.
 - The contractor shall maintain at least a 2' level bench behind all curb and gutter in fill areas.
 - The contractor shall verify all existing utilities to his own satisfaction before starting construction.
 - All slopes shall be 2:1 or flatter.
 - All work shall be done in accordance with Howard County Standard Specifications and Details for Construction, or as shown on these plans.
 - The contractor shall notify the C & P Telephone Co. and the Gas and Electric Company five days prior to starting work shown on these plans by calling "Miss Utility", call 1-800-251-7777.
 - For details of signs and signs for the hand-drawn - see the revised Building Code - see the hand-drawn and approved - see sheet 2 of 5.
 - The contractor shall maintain a minimum of 4' cover over all proposed water lines.
 - All rip-rap shall be placed on filter cloth.
 - The contractor or developer shall contact the Construction Inspection/Survey Division 24 hours in advance of commencement of work at 992-2417 or 792-7272.
 - The contractor shall remove all existing paving, curb and gutter, etc. that may interfere with proposed construction.
 - All utilities installed shall receive full trench compaction.
 - All water main test bends, caps, etc. shall be buttressed in accordance with Howard County Design Requirements.
 - All sidewalks will be 6' wide (see architectural plans for details).
 - The owner shall provide a separate and independent sewer connection for each building or component of any building shown on this site development plan who will discharge non-domestic waste to the public sewerage system. If this waste is regulated under Section 18.122A of the Howard County Code, each separate and independent sewer connection shall include a standard back-siphonage and independent sewer connection shall include a standard back-siphonage and other waste pretreatment devices as required and approved by Howard County. Waste lines on the interior of the building shall be designed, constructed or modified such that non-domestic waste will be discharged to the separate and independent sewer connection. No tenant occupant of any building shown on this site development plan shall discharge regulated non-domestic waste to the public sewerage system prior to installation of the separate and independent sewer connection and related sewerage lines. The above requirements shall apply to all initial and future occupants or tenants.

LIST OF DRAWINGS

SHEET 1	SITE DEVELOPMENT PLAN, LOCATION/PLANTING PLAN
SHEET 2	GRADING PLAN, FENCE, ROADWAY & STORM WATER MANAGEMENT
SHEET 3	STORM WATER MANAGEMENT DETAILS
SHEET 4	SEDIMENT & EROSION CONTROL PLAN
SHEET 5	SEDIMENT & EROSION CONTROL DETAILS

PROFESSIONAL CERTIFICATION
(FOR REVISION "P" AND "Q" ONLY)
I hereby certify that these documents were prepared or approved by me and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 22418, Expiration Date: 07/28/2004.
[Signature]
ZACHARIA I. FISCH, P.E. #22418
FSH ASSOCIATES, FOR REVISION "P" AND "Q" ONLY
DATE: 10/17/07



PLANT LIST

CODE	NO. REQUIRED	NAME	SIZE
1	32	JUNIPERUS CHINENSIS HETZI GLAUCA HETZI BLUE JUNIPER	3 1/2' - 4' 8x8
2	10	JUNIPERUS CHINENSIS COLUMNARIS - GREEN COLUMNAR CHINESE JUNIPER	5' - 6' 8x8 OR CONTAINER
3	3	MALUS SUGAR TYME - SUGAR TYME CRAB	8' - 9' 2" - 1 1/2" CAL 8x8

OWNER
BALTIMORE GAS AND ELECTRIC COMPANY
P.O. BOX 1475
BALTIMORE, MARYLAND 21203
ENGINEER
GEORGE WILLIAM STEPHENS & ASSOC., INC.
203 EAST BROADWAY
BEL AIR, MARYLAND 21014

SUBDIVISION NAME: COOKSVILLE
HOWARD COUNTY - 868E SUBSTATION

PLAT # OR LOT/BLOCK #	ZONE	REV.	DATE	DESCRIPTION	APPROVAL	ENGINEERING
606-654	22	A	8-29-72	ADDED SCREENING EC-9346 FOR	[Signature]	CIVIL
		B	10-23-79	INSTLN OF 1-34.5KV 1800KVA SWITCHED CAPACITOR EC-3973	[Signature]	MECH. ELEC. ENGR.
		C	3-7-83	INSTLN OF BATTERY & CHARGER CABINET (EC-6101)	[Signature]	MANAGER: [Signature]
		D	10-30-91	34.5-13KV 25MVA SUBSTA W/4 FDRS EC-1833	[Signature]	DESIGN & DRAFTING DESIGNED: [Signature]
		F	10-16-07	INSTALL 2ND 34.5-13KV 25MVA SUBSTATION	[Signature]	DRAWN: [Signature]
		G	09-27-08	INSTALL 1-34.5KV METAL ENCLOSED CAPACITOR WITH TRANSFORMER (ENCLOSURE CAPACITOR)	[Signature]	CHECKED: [Signature]
					[Signature]	APPROVED: 3-20-72
					[Signature]	DATE: 10/17/07

PROPERTY: 3.00 AC. ± LOT/PARCEL # 240
SUBSTATION 053 AC. ± 240
TAX/ZONE MAP # 8 ELECT. DISTR # 4 CENSUS TR: 6040
SEWER CODE: # 4
TAX ACCOUNT NO.

SITE DEVELOPMENT PLAN
LOCATION / PLANTING PLAN
868E 34.5-13KV SUBSTATION
COOKSVILLE HOWARD COUNTY
14725 FREDERICK ROAD
BALTIMORE GAS AND ELECTRIC COMPANY
ELECTRIC SYSTEM ENGINEERING
SCALE: 1"=20'-0"
DWS: 80-606-E
SDP 92-103 SHEET 1 OF 5