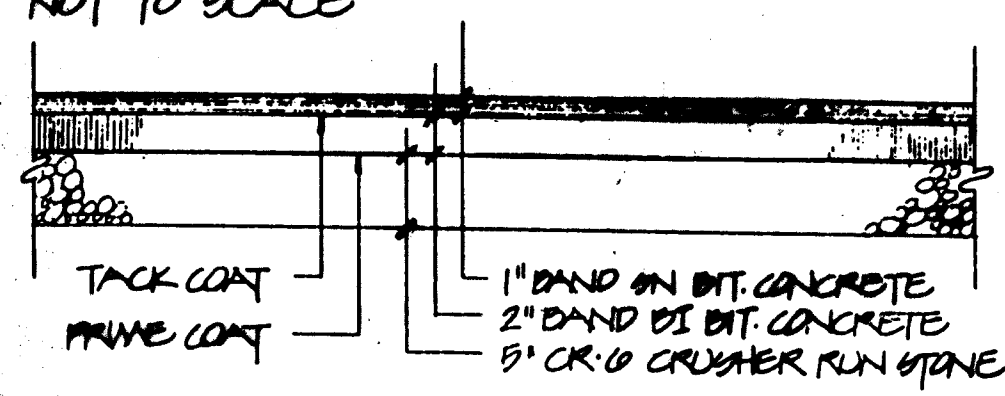


TYPICAL PAVING SECTIONS

PAVING SECTION "A"

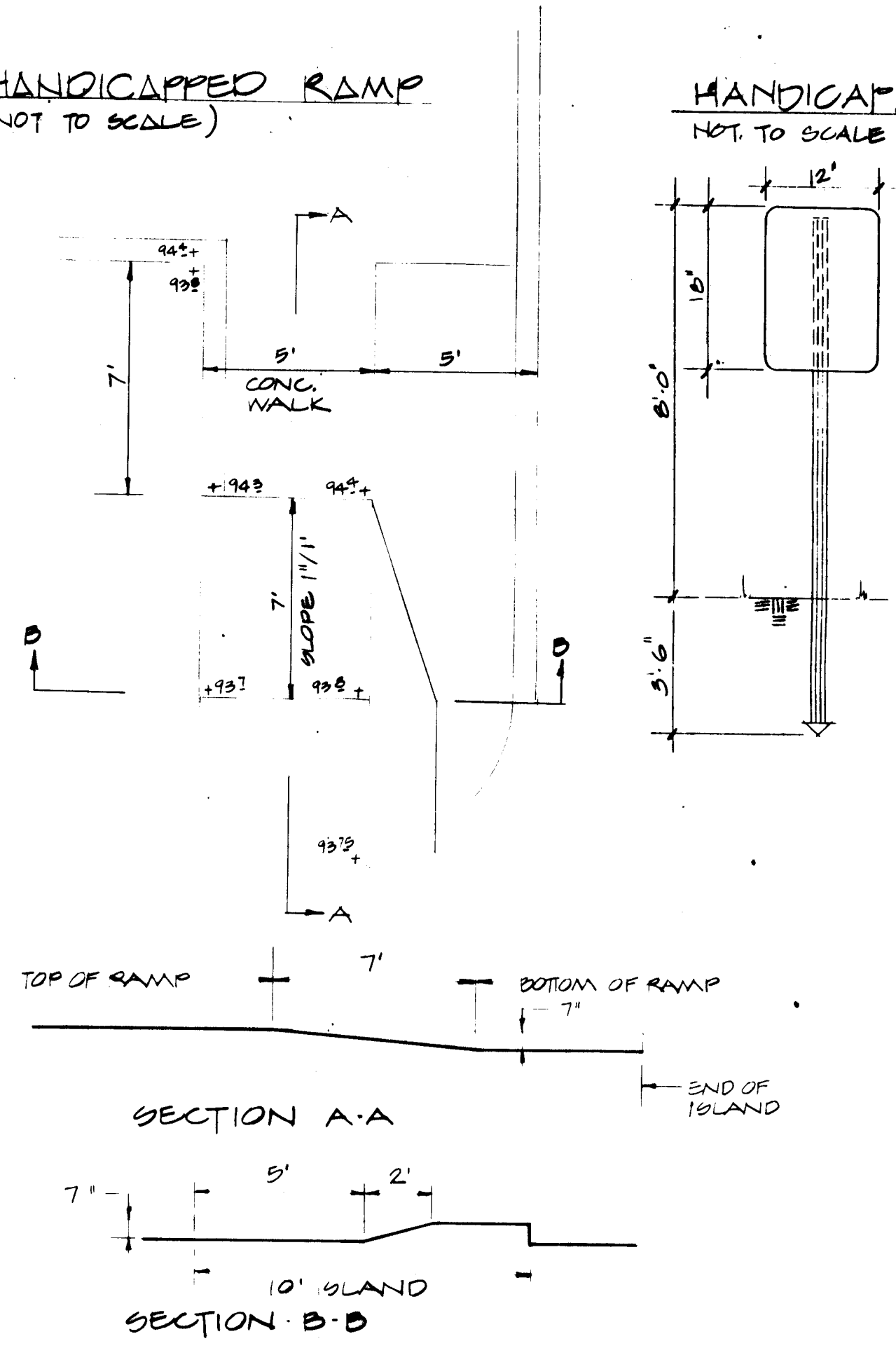


PAVING NOTES:

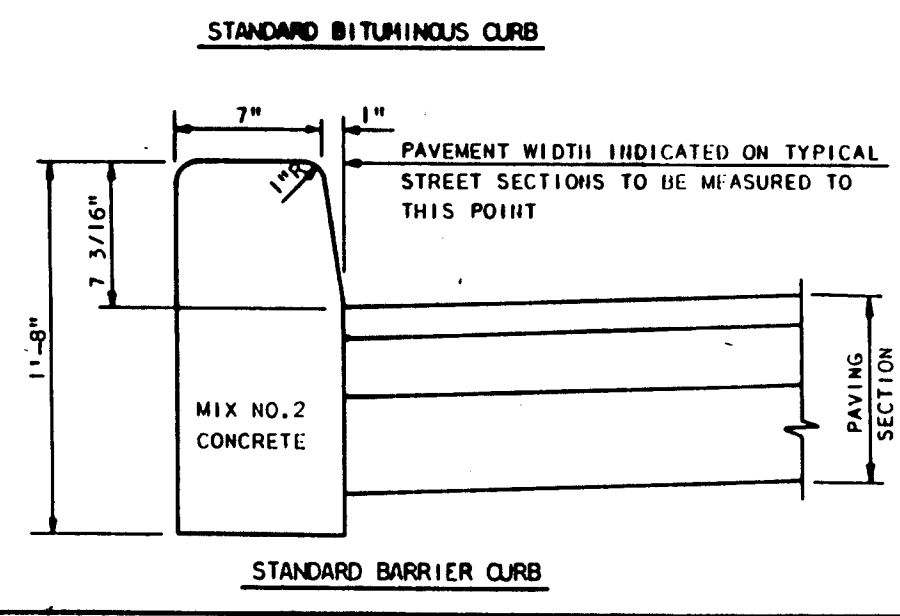
- 1 BITUMINOUS CONCRETE BAND DESIGNATIONS ARE PER MARYLAND STATE HIGHWAY ADMINISTRATION SPECS. ALL MATERIALS TO BE MIXED & PLACED IN ACCORDANCE WITH SAME.
- 2 TACK COAT OF 0.05 GAL/SY. OF AS-4 SHALL BE APPLIED TO EACH UNDERLYING LAYER OF BIT. CONCRETE PRIOR TO PLACING SUBSEQUENT COURSES.
- 3 PRIME COAT OF 0.9 GAL/SY. OF MC-70 SHALL BE APPLIED ON TOP OF EACH GRANULAR BASE COURSE.

HANDICAPPED DETAILS

HANDICAPPED RAMP (NOT TO SCALE)



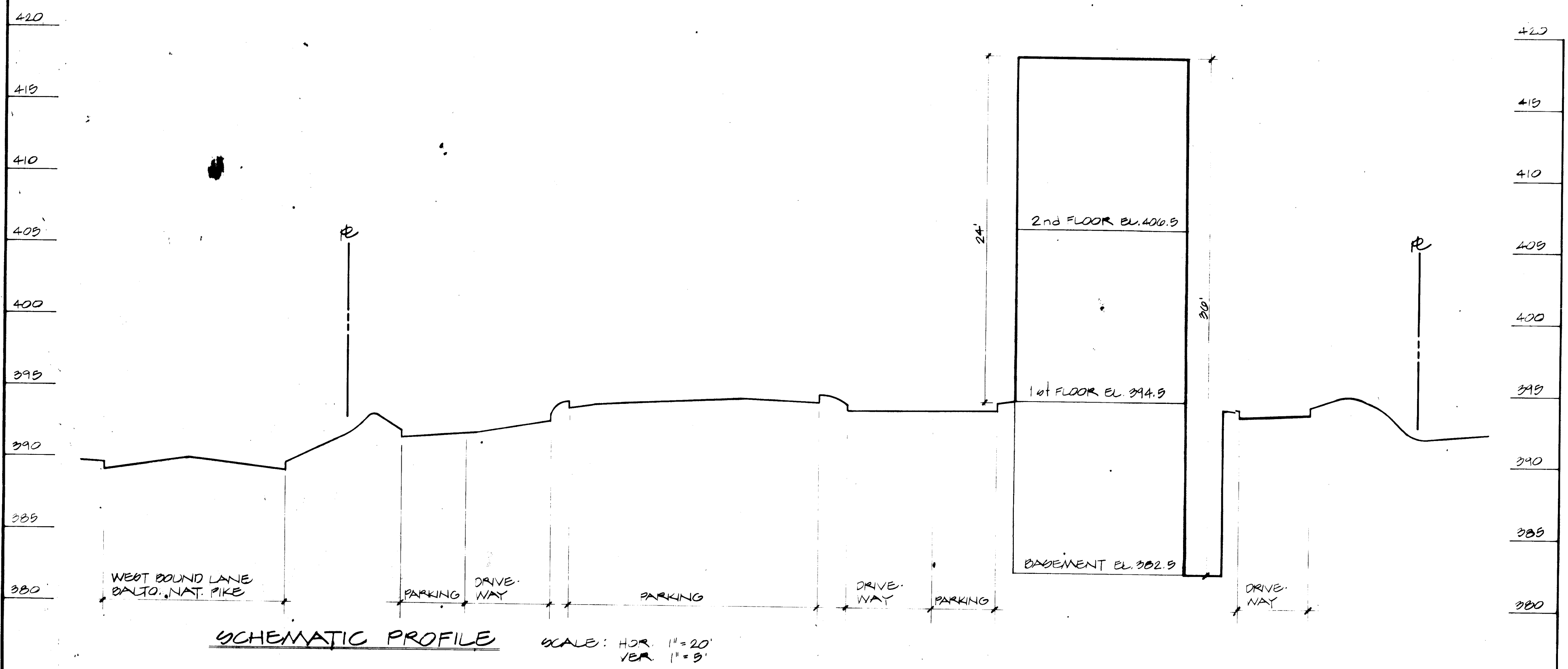
TYPICAL CURB DETAIL (NOT TO SCALE) HOWARD CO. DETAIL R-3-03



HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: *[Signature]*
Chief, Bureau of Engineering

CURBS

DRAWN BY: W.T. BALLARD
CHECKED BY: J.L.S.
NO SCALE
R-3-03



APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 11-7-84

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Director: *[Signature]* DATE: 9-16-81

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
City Health Office: *[Signature]* DATE: 11-81

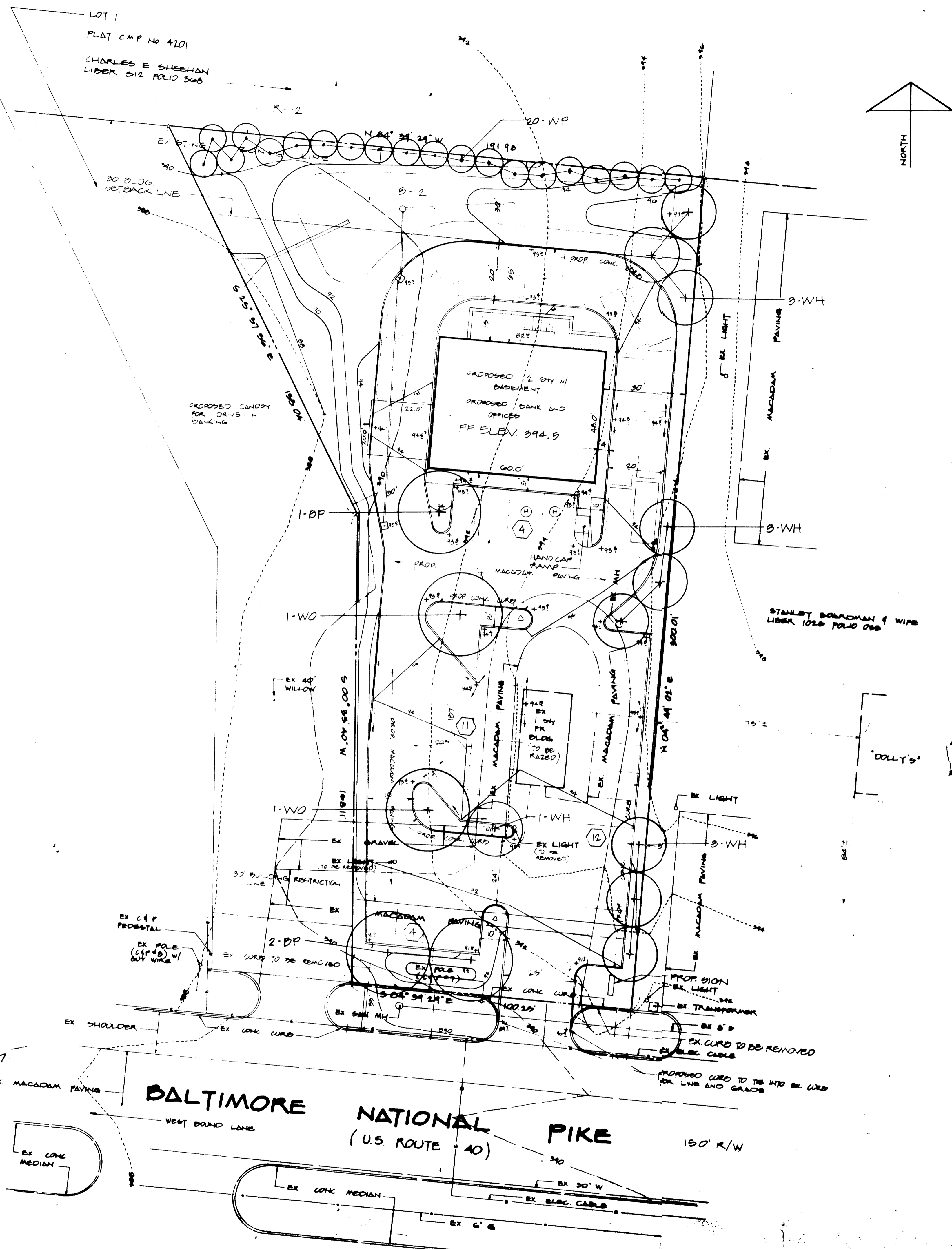
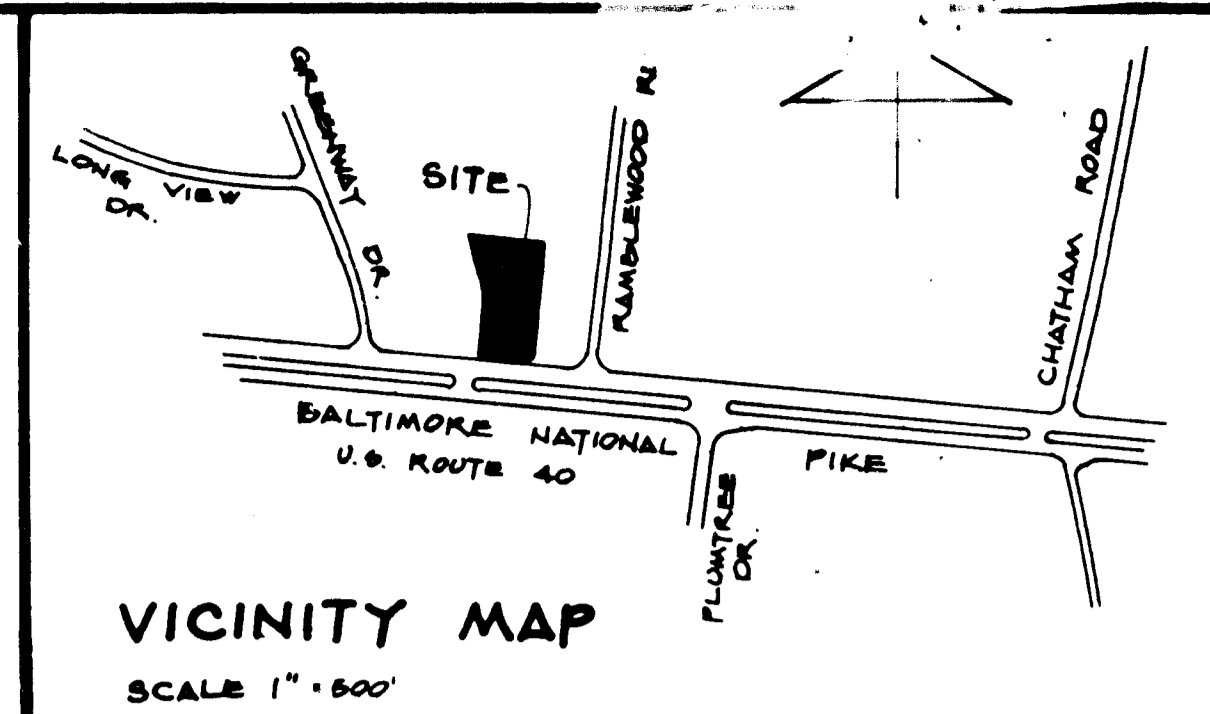
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
PLANNING DIRECTOR: *[Signature]* DATE: 10-3-85

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
DATE: 11-7-84

SITE DETAILS
#9490 BALTIMORE NATIONAL PIKE
PARCEL "A-2", A RESUBDIVISION OF PARCEL "A-1"
PROPERTY OF CHARLES E. SHEEHAN (PLAT #6026)
PROPOSED BANK AND OFFICES
ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND
TAX MAP 24, PARCEL 48

REVISIONS:	SCALE: AS SHOWN
	DATE: SEPT. 7, 1984
	JOB NO.: 001/014
	DESIGNED: T.J.H.
	DRAWN: T.J.H./J.W.H.
	CHECKED: K.S.R.

HOFF, ROSENFELT & WOOLFOLK, INC
Civil Engineers & Landscape Architects
11 Gwynns Mill Court
Owings Mills, MD 21117
(301) 363-6830



PLANT LIST

KEY	QUAN.	NAME	SIZE	ROOT	COMMENT
WO	2	QUERCUS PHELLOS WILLOW OAK	2 1/2" - 3" CAL.	B & B	
DP	3	PYRUS CALLERYANA 'BRADFORD' BRADFORD PEAR	2 1/2" - 3" CAL.	B & B	
WH	10	CRATAEGUS PHAENOXYTRUM WASHINGTON HAWTHORN	6' - 10' HGT.	B & B	
WP	20	PINUS STROBUS WHITE PINE	4' - 5' HGT.	B & B	10' O.C.

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 11-7-84

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR [Signature] DATE 9-26-85

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] DATE 10-15-85

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR [Signature] DATE 10-3-85

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING ADMINISTRATION
[Signature] DATE 10-3-85

[Handwritten Signature]

[Professional Seal: State of Maryland, Professional Engineer, License No. 10482]

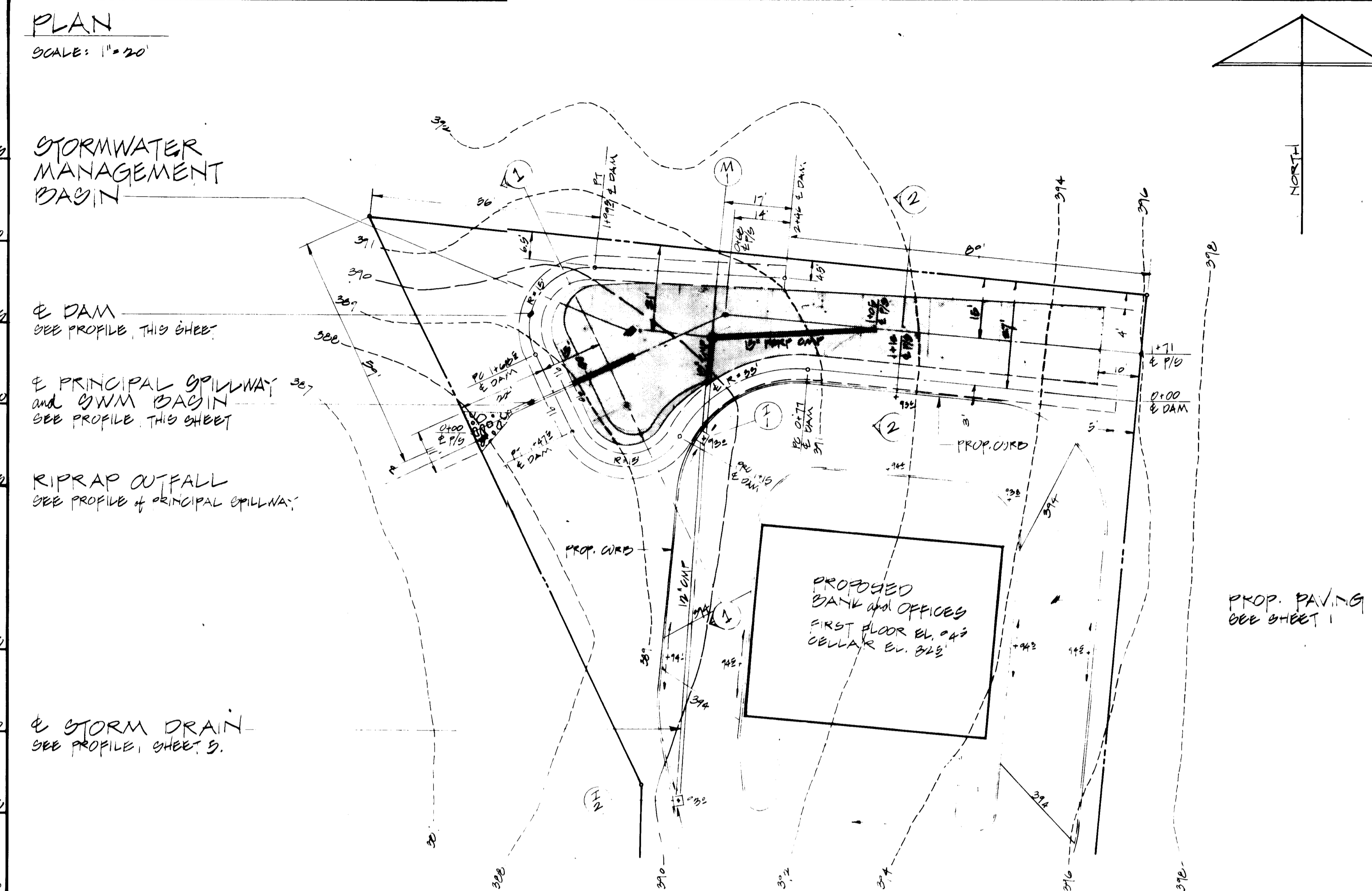
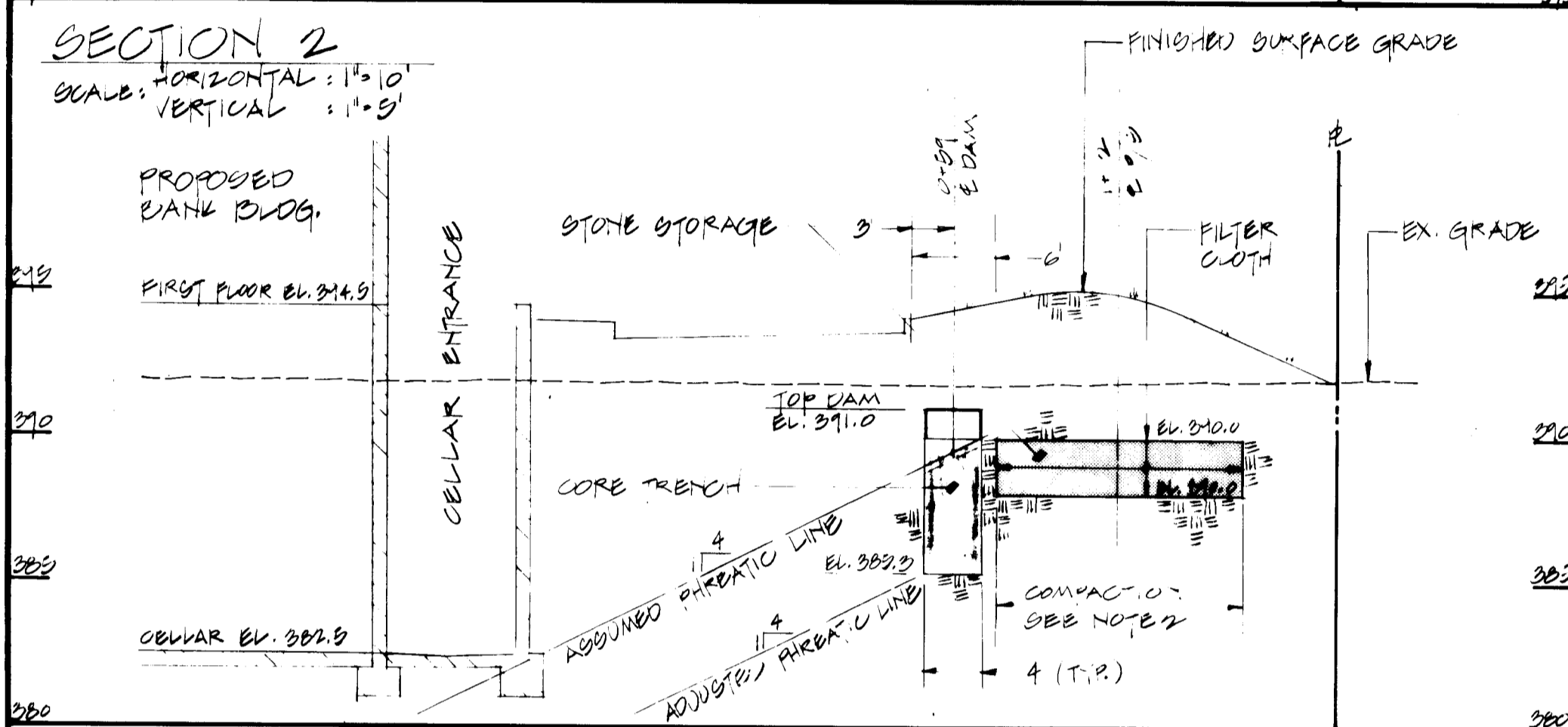
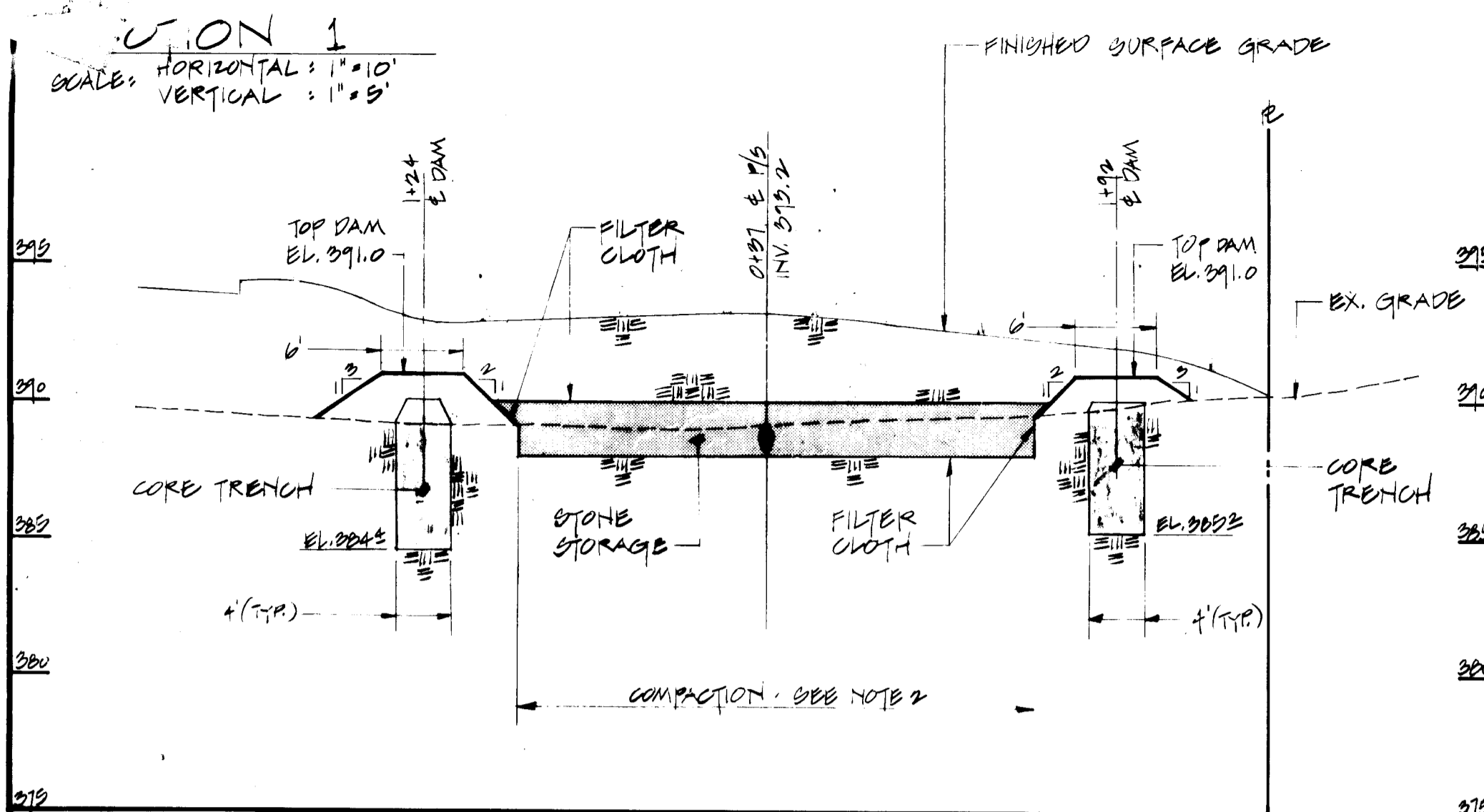
PLANTING PLAN
#9450 BALTIMORE NATIONAL PIKE
PARCEL "A-2"
A REBUDIVISION OF PARCEL "A1" PROPERTY OF CHARLES E. SHEEHAN (PLAT C.M.P. NO. 6028)
PROPOSED BANK AND OFFICES
ELECTION DISTRICT No. 23 HOWARD COUNTY, MARYLAND
TAX MAP 24 PARCEL 48

OWNER
KEY FEDERAL SAVINGS & LOAN
8001 LIBERTY ROAD
RANDALLSTOWN, MD 21155

HOFF, ROSENFELT & WOOLFOLK, INC.
Civil Engineers & Landscape Architects
11 Sycamore Hill Court
Crownsville, Md. 21117
410-588-0800

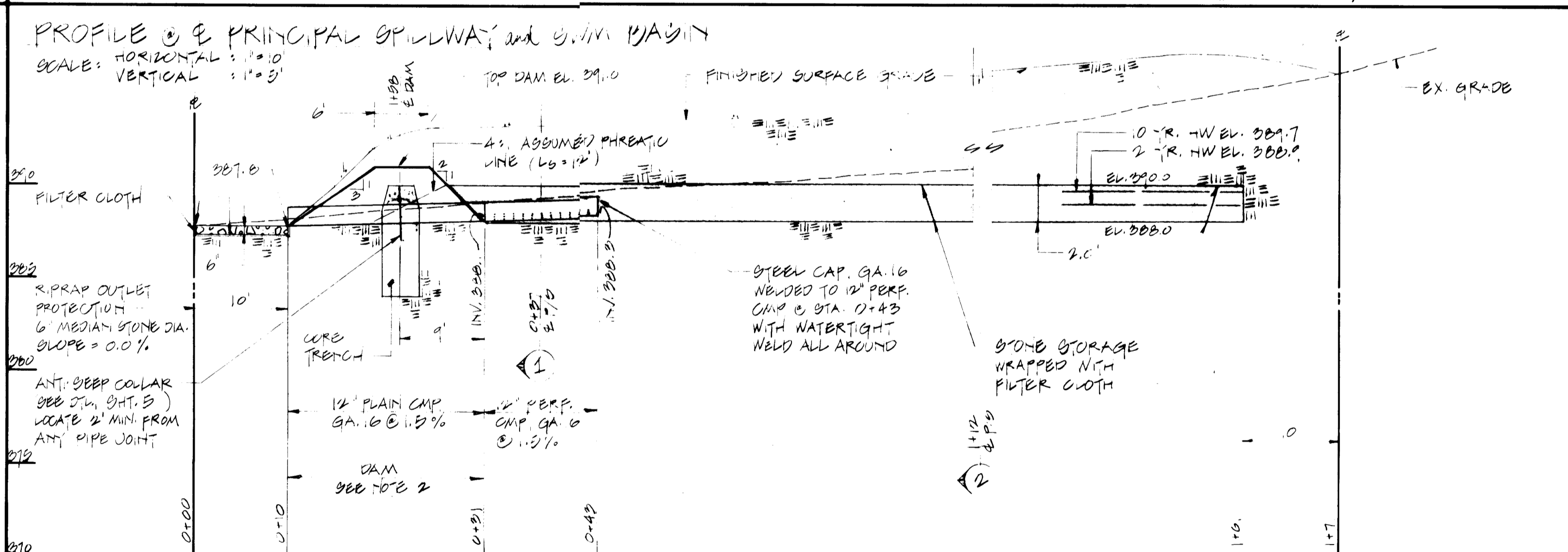
SCALE: 1" = 50'
DATE: SEPT. 7, 1984
JOB NO.: 09, 04
DESIGNED: T.J.H.
DRAWN: T.J.H.
CHECKED: [Signature]

DRAWING NUMBER:
SDP 04-286
SHEET 3 OF 7



NOTES

- GRADES SHOWN IN PLAN VIEW ARE GROUND SURFACE; FOR STORM WATER MANAGEMENT ONLY; FOR FINISHED SURFACE GRADES, SEE SHEET 2.
- CORE TRENCH AND ALL AREAS DESIGNATED 'DAM' SHALL BE COMPACTED TO 98% OF AASHTO T.99 DENSITY. IN AREA UNDER STONE STORAGE, COMPACTON SHALL BE NO GREATER THAN 70% OF T.99. SEE SPECIFICATIONS, SHEET 3.
- FOR DWM DETAILS AND SPECIFICATIONS, SEE SHEET 3.



DESIGN DATA

STRUCTURE

TYPE	UNDERGROUND STONE-FILLED BASIN
LOCATION	URBAN
STRUCTURE CLASS	URBAN
DRAINAGE AREA TO STRUCTURE	0.96 AC
STORAGE HEIGHT PRODUCT (2 x 25000)	0.09

HYDRAULIC CRITERIA

PRINCIPAL SPILLWAY	0.7R = 10 YR REQUIRED
EMERGENCY SPILLWAY	NONE REQUIRED
PREBOARD REQUIRED	DESIGN HIGHWATER + 1.0'
PREBOARD PROVIDED	10-YEAR HW ELEV. + 1.3'

HYDROLOGIC CRITERIA

HIGHWATER ELEVATIONS:

2 YEAR	300.0'
10 YEAR	300.0'

STORAGE PROVIDED:

2 YEAR	994 C.U.F.T.
10 YEAR	1964 C.U.F.T.

RELEASE RATES:

2 YEAR	0.5 CFS
10 YEAR	0.5 CFS

OWNER:
VET. FEDERAL SAVINGS AND LOAN
8601 LIBERTY ROAD
RANVALLESTOWN, MARYLAND 21122

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 11-7-84

APPROVED:
FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Director
9-26-81

APPROVED:
FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
10-1-81

APPROVED:
HOWARD COUNTY OFFICE OF PLANNING AND ZONING
10-3-85
10-3-85

ENGINEER'S CERTIFICATION
I CERTIFY THAT THIS PLAN FOR DESIGN & CONSTRUCTION REPRESENTS A PRACTICAL & WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT I HAVE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

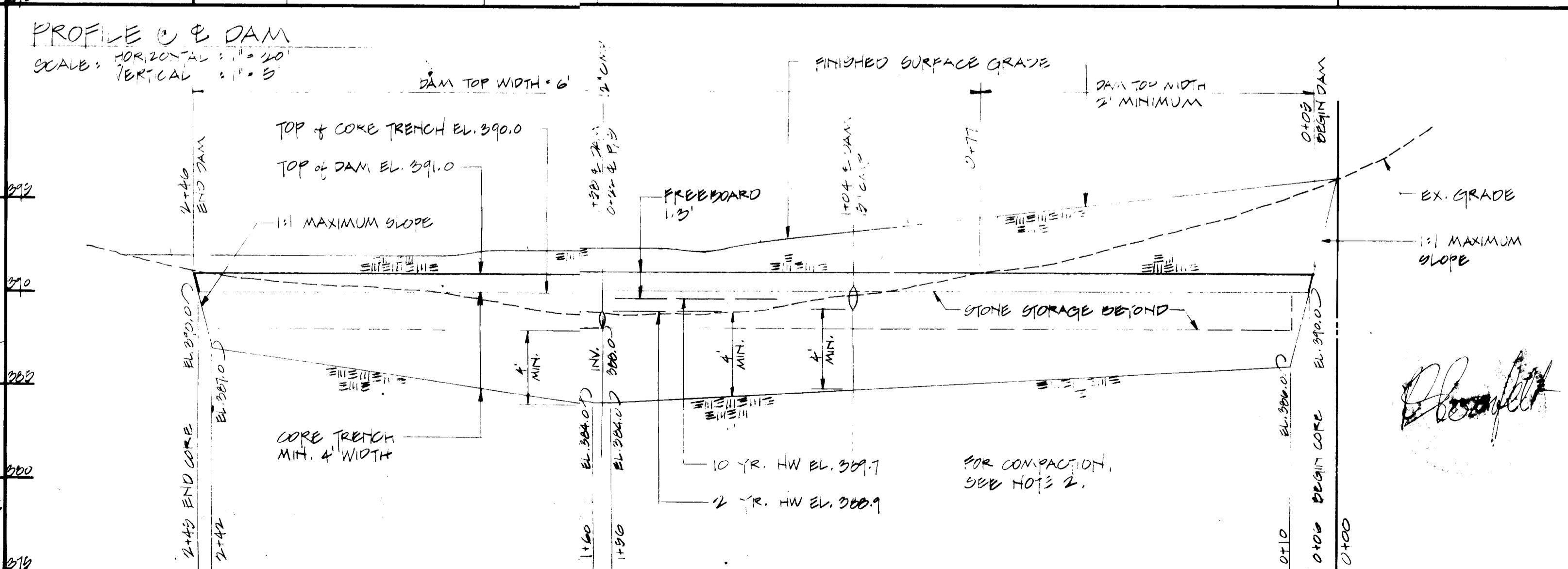
ROBERT S. ROSENFELT P.E. # 12311 DATE 9-25-85

DEVELOPER'S CERTIFICATION
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

DATE 9-24-85

U.S. SOIL CONSERVATION DISTRICT
THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
DATE 9-24-85

APPROVED:
THIS DEVELOPMENT PLAN IS APPROVED FOR SMALL POND CONSTRUCTION, SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
DATE 9/24/85



STORMWATER MANAGEMENT PLAN
#9450 BALTIMORE NATIONAL PILE
PARCEL "A-2, A RESUBDIVISION OF PARCEL "A-1"
PROPERTY OF CHARLES E. SHEEHAN (PLAT NO. 002B)
PROPOSED BANK AND OFFICES
ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND
TAX MAP 24, PARCEL 26

REVISIONS:

SCALE:	AS SHOWN
DATE:	9/24/84
JOB NO.:	001/017
DESIGNED:	TJW
DRAWN:	TJW
CHECKED:	ROK
DRAWING NUMBER:	SDP-84-286
SHEET	4 OF 7

HOFF, ROSENFELT & WOOLFOLK, INC
Civil Engineers & Landscape Architects
11 Gwynns Mill Court
Owings Mills, MD 21117
(301) 363-6830

CONSTRUCTION SPECIFICATIONS

1. SITE PREPARATION

The area 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 as shown on these plans.

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

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

2. EARTH FILL

2.1 Inspection

Prior to the start of construction, the Developer shall engage a Soils Engineer registered in the State of Maryland. All materials, placement and construction shall be inspected and/or tested and approved by the Soils Engineer. No earthwork shall be done without the presence or approval of the Soils Engineer.

2.2 Material

All fill material shall be taken from approved designated borrow areas. It shall be free of roots, stumps, wood, rubbish, oversize stones, frozen or other objectionable material.

2.3 Placement

Areas on which fill is to be placed shall be scarified prior to placement of fill. No fills are to be placed on frozen ground. Fill materials shall be placed in horizontal layers not to exceed 8 inches in thickness (before compaction) and are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment. Each layer shall be compacted in accordance with these specifications prior to the placement of the next layer. In the placement of fills on slopes steeper than 4:1, benching shall be done for each lift.

The embankment shall be constructed and compacted to the established grade of the private road. The minimum top of dam elevation shall be that shown on these plans.

2.4 Compaction - See NOTE 2, Sheet K.

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 sheepfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction can be obtained with the equipment used. Compaction shall be 95% of AASHTO T-180 density, unless otherwise noted.

Each layer of fill shall be compacted as necessary to obtain the required density. All densities shall be certified by the Soils Engineer.

2.5 Cutoff Trench and Impervious Core

Where specified, a cutoff trench shall be excavated parallel to the centerline of the embankment as shown on these plans. The bottom width of the trench shall be as shown on the drawings, with the minimum width being eight feet. The depth shall be at least four feet below existing grade or as shown on these plans.

An impervious core shall be constructed within the cutoff trench, and up to the elevation shown on these plans. The side slopes of the impervious core and the cutoff trench shall be as shown on the drawings. The backfill material for the core shall be the most impervious material available and shall be compacted with equipment or rollers to secure maximum density and minimum permeability.

2.6 Straw Storage

Straw to be stored in a suitable location for use in sodding operations. The straw shall be stored in a suitable location for use in sodding operations. The straw shall be stored in a suitable location for use in sodding operations.

2.7 Structural Backfill

Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in continuous horizontal layers not to exceed four inches in thickness (before compaction) and shall be compacted by hand tampers or other compaction equipment in accordance with these specifications. The backfill material shall completely fill all spaces under and/or 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 pipe or concrete structure unless there is a compacted fill of 12 inches or greater over the structure or pipe.

3. PIPE CONDUITS AND APPURTENANCES

3.1 Corrugated Metal Pipe

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

b. Connections - All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be welded all around. Watertight coupling bands shall be used at all joints. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight.

c. Bedding - The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.

d. Laying pipe - The pipe shall be placed with inside circumferential lap pointing downstream and with the longitudinal lap at the side.

e. Backfilling shall conform to structural backfill as shown above.

f. Other details (anti-seep collars, low level drain system, valves, etc.) shall be as shown on these plans.

g. All perforated pipe shall be Arma-Hel or approved equal and shall be perforated with 6 rows (3 on each side) of 3/8" diameter holes set 6" on center.

4. CONCRETE STRUCTURES

Concrete structures shall meet minimum requirements set forth in the latest Maryland State Highway Administration "Standard Specifications for Construction and Materials", 1962, as amended.

4.1 Concrete

Section 608 (Cement Concrete Structures)

Section 918 (Portland Cement Concrete Mixtures), Mix No. 3

4.2 Reinforcement

Section 610 (Reinforcement for Concrete Structures)

Section 911 (Reinforcing Steel, Wire Rope and Wire Fabric)

5. STABILIZATION

All borrow areas shall be graded to provide proper drainage in accordance with this plan and left in a slightly condition. All exposed surfaces of the embankment, spillway, spoil and borrow areas, and berms shall be stabilized in accordance with these specifications and as shown on these plans.

Unless otherwise noted, all slopes 2:1 or steeper shall be stabilized with sod.

5.1 Sod

Sod shall be "KY-31" Tall Fescue or Kentucky Bluegrass/Red Fescue mixture, or approved equal. All sod shall be Maryland or Virginia state certified or approved turfgrass sod.

5.2 Site Preparation

Where soil is acid or composed of heavy clays, ground limestone shall be spread at the rate of 100 lbs./1000 sq. ft. In all soils, 5-10-5 fertilizer or approved equal shall be applied at the rate of 30 lbs./1000 sq. ft. Fertilizer shall be uniformly applied and mixed into the top 3 inches of soil with the required lime. Slow release nitrogen, at the rate of 3.5 lbs./1000 sq. ft., shall be applied to the prepared soil immediately prior to sod installation. This material shall be approximately one-third immediately available and two-thirds water insoluble nitrogen. Nitrogen shall be urea formaldehyde (UF), isobutylidene (IBDU), or approved equal.

5.3 Installation

The first row of sod shall be laid in a straight line with subsequent rows placed parallel and tightly wedged against adjoining rows. Lateral joints shall be staggered to promote more uniform growth and strength. The Contractor shall insure that the sod is not stretched or overlapped and that all joints are butted tight in order to prevent voids which would cause air drying of the roots. On sloping areas where erosion may be a problem, sod shall be laid with long edges parallel to the contour and with staggered joints.

Sod shall be secured by tamping and pegging or by other approved methods. As sodding is completed in any one section, the entire sodded section shall be rolled or tamped to insure solid contact of the roots with the soil surface. Sod shall be watered immediately after rolling or tamping until the underside of the new sod pad and the underlying soil surface are thoroughly wet. The operations of laying, rolling or tamping and irrigating any piece of sod shall be completed within one eight hour period.

5.4 Permanent Seeding

All disturbed areas shall be stabilized as follows:

a. Seedbed Preparation - Loosen the upper 3 inches of soil by raking, discing or other acceptable means before seeding.

b. Soil Amendments - Apply 2 tons per acre of dolomitic limestone (185 lbs./1000 sq. ft.) and 600 lbs. per acre of 0-20-20 fertilizer (14 lbs./1000 sq. ft.) narrow or disc lime and fertilizer into upper three inches of soil. At time of seeding, apply 400 lbs. per acre (9.2 lbs./1000 sq. ft.) of 38-0-0 ureaform fertilizer and 500 lbs. per acre (11.5 lbs./1000 sq. ft.) of 10-20-20 fertilizer.

c. Seeding - For the periods March 1 through April 30, and August 1 through October 15, seed with 87 lbs. per acre Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 87 lbs. per acre Kentucky 31 Tall Fescue and 2 lbs. per acre vernal ryegrass. During the period of October 16 through February 28, protect the 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, installed per these specifications.

Option (3) - Seed with 87 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw. All Kentucky 31 Tall Fescue shall be inoculated with Crown Vetch at 22 lbs. per acre.

d. Mulching - Apply 1.5 to 2 tons per acre of untreated small grain straw immediately after seeding. Mulch shall immediately after application using 200 gallons per acre of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 300 gallons per acre for anchoring.

e. Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.

5.5 Temporary Seeding

a. Seedbed Preparation - Loosen upper 3 inches of soil by discing, raking, or other acceptable means before seeding.

b. Soil Amendments - Apply 600 lbs. per acre of 10-20-10 fertilizer.

c. Seeding - For periods March 1 through April 30, and from August 15 through November 15, seed with 2.5 bushels per acre annual rye. For the period May 1 through August 14, seed with 3 lbs. per acre of vernal ryegrass.

d. Mulching - Same as permanent seeding.

6. EROSION & SEDIMENT CONTROL

Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized, as shown on these plans and as set forth in the latest "Standard and Specifications for Soil Erosion and Sediment Control in Developing Areas of the Soil Conservation Service of Maryland, Baltimore County Soil Conservation District, as amended.

7. INSPECTION

The Contractor shall notify the Engineer and the Soils Engineer at least 3 working days prior to starting any work shown on these plans.

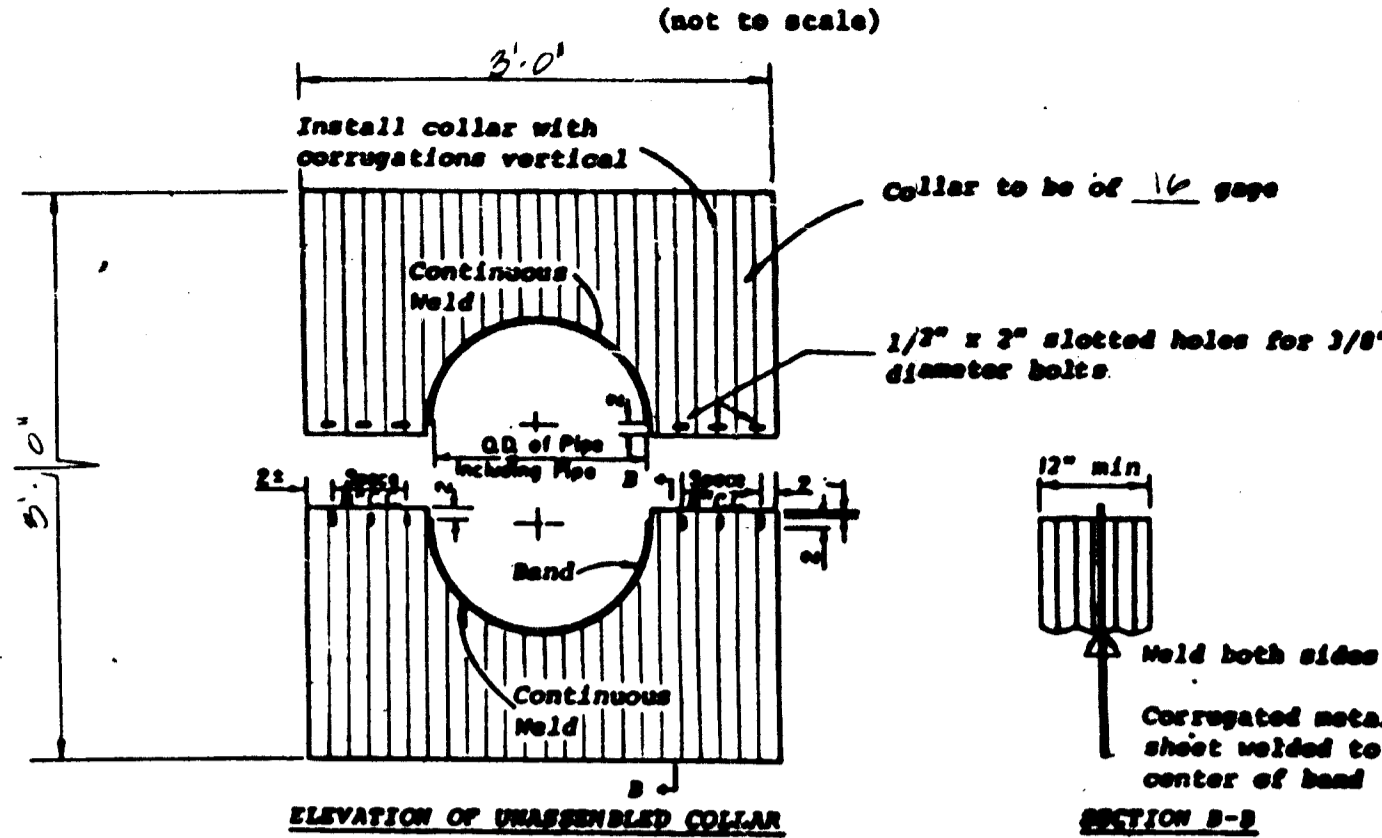
8. GENERAL

Unless otherwise noted, all materials and construction practices shall conform to the following:

1. Standard Specifications and Details of the County, Maryland Department of Public Works, 1976 and as amended.

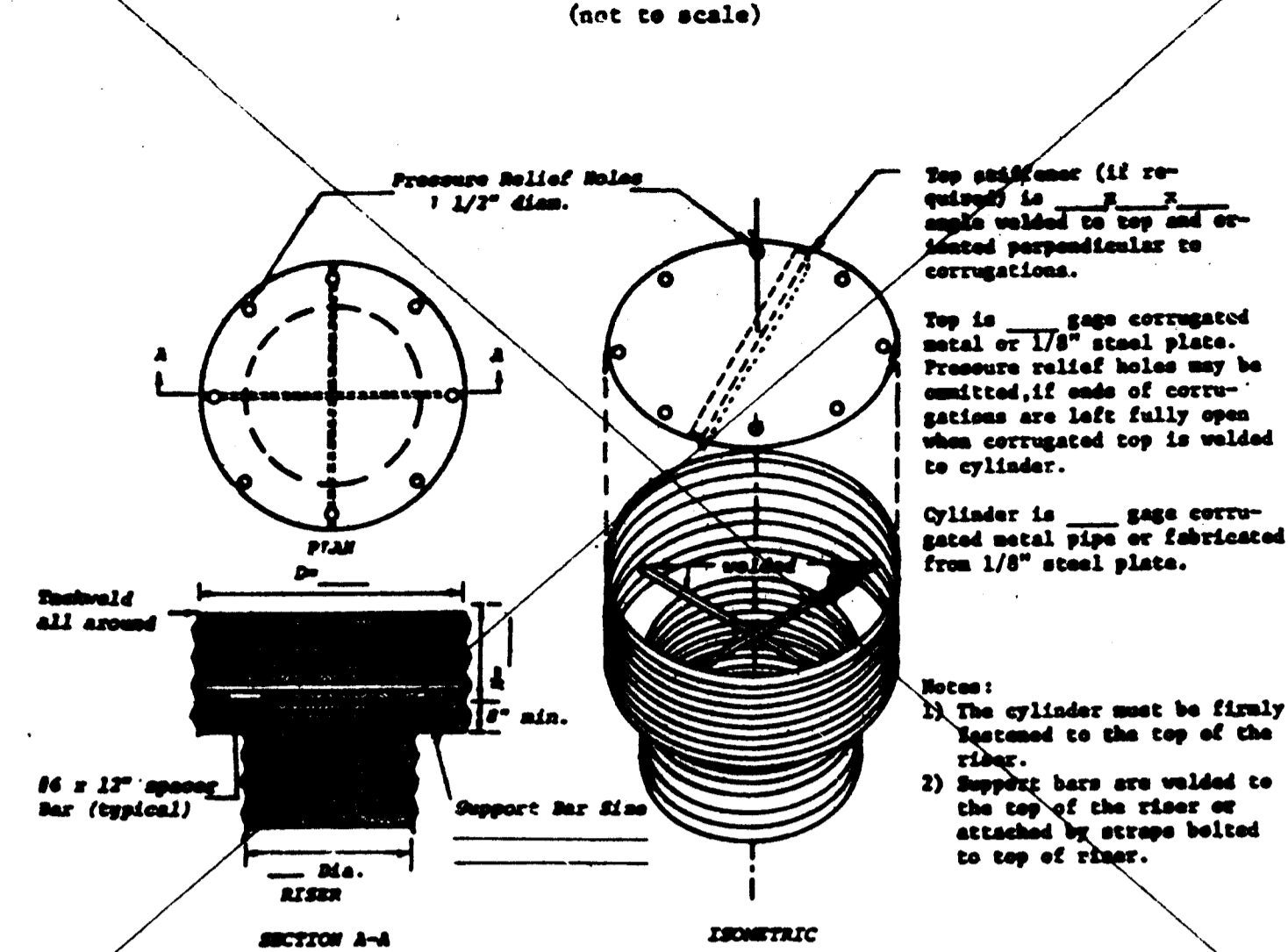
2. "Standard Specifications for Construction & Materials" of the Maryland State Highway Administration, 1962 and as amended.

ANTI-SEEP COLLARS

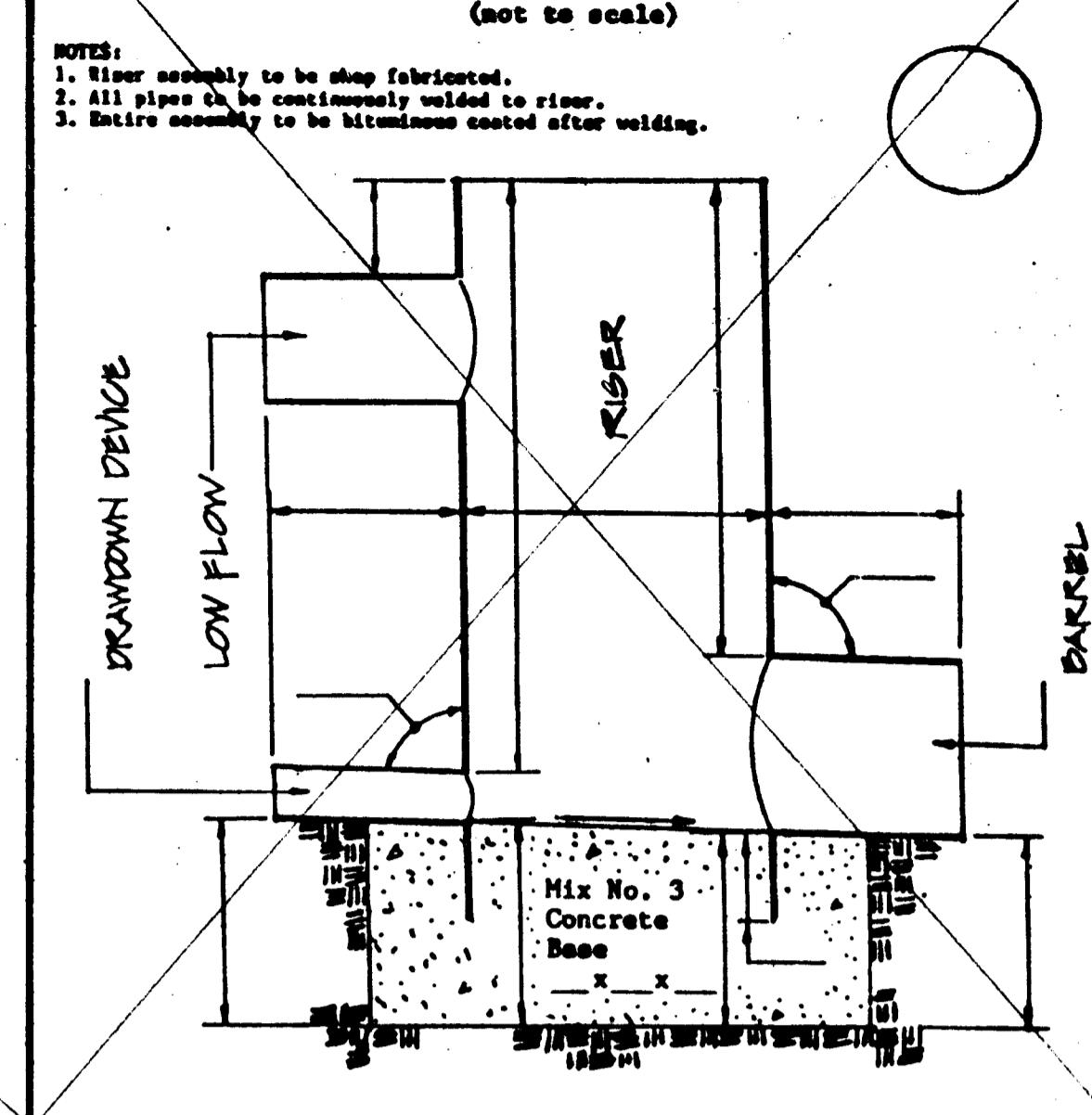


- NOTES FOR COLLARS:**
- All materials to be in accordance with construction and construction material specifications.
 - When specified on the plans, coating of collars shall be in accordance with construction and construction material specifications.
 - Unassembled collars shall be marked by painting or tagging to identify matching pairs.
 - The lap between the two half sections and between the pipe and connecting band shall be caulked with asphalt mastic at construction.
 - Each collar shall be furnished with two 1/2" diameter rods with standard tank lugs for connecting collars to pipe.
 - Use 1 each, 2" x 2" x 2" gage 16 Corrugated Metal Anti-Seep Collars in locations specified on profile, Sheet 1.
 - Collars to be shop fabricated.
 - Collars to be bituminous coated after welding.

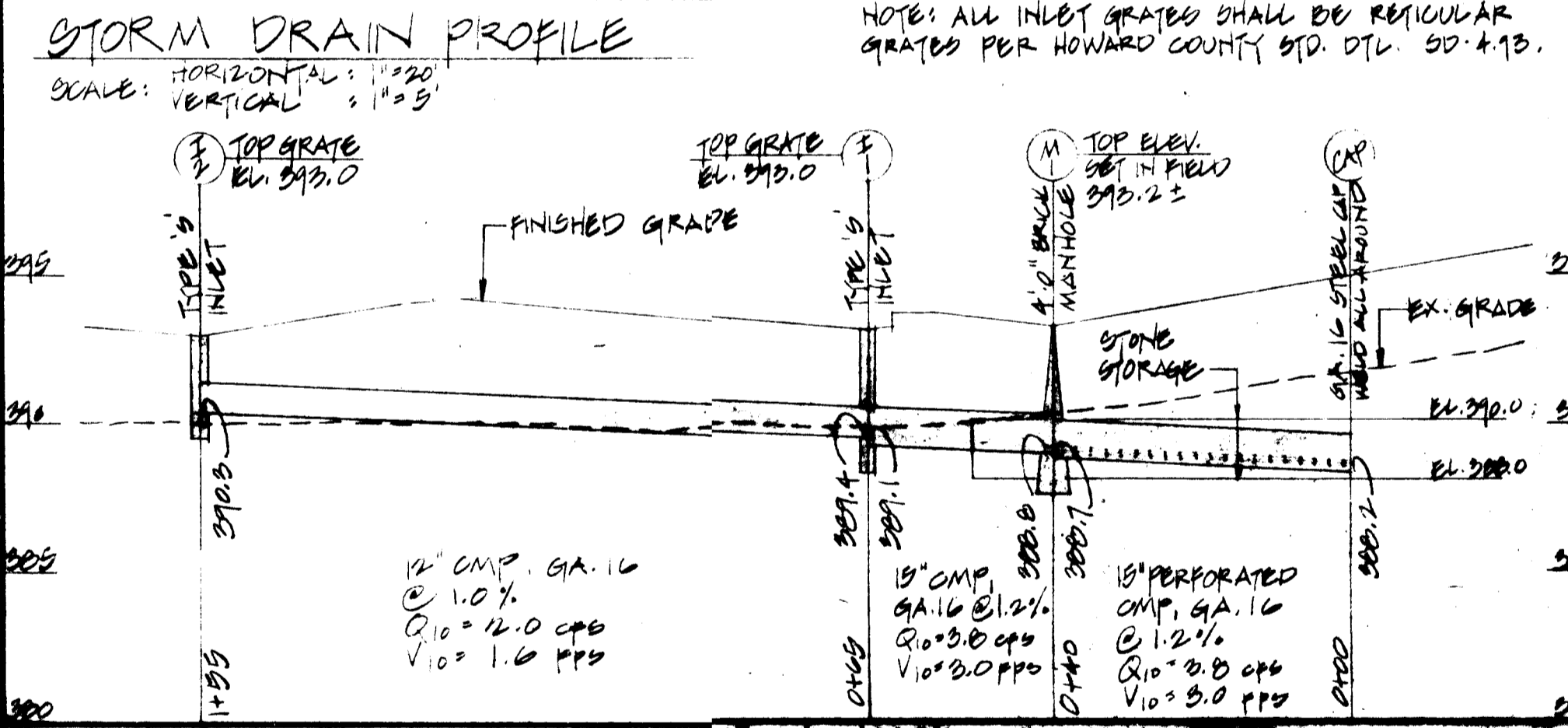
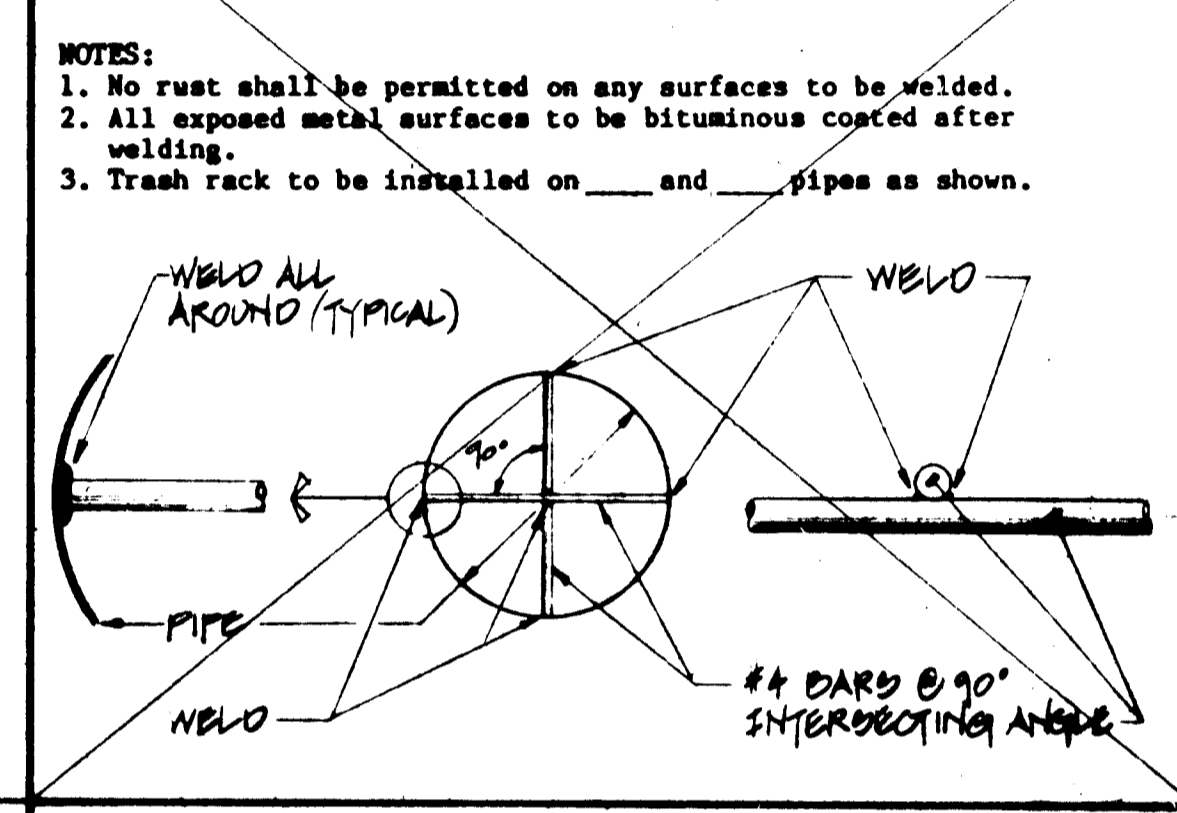
RISER TRASH RACK & ANTI-VORTEX DEVICE



RISER ASSEMBLY DETAIL



LOW FLOW TRASH RACK



STORM DRAIN STRUCTURE SCHEDULE

STRUCTURE NUMBER	TYPE	INVERT IN	INVERT OUT	TOP ELEVATION	STANDARD DETAIL REF.
I-1	12" INLET	329.4	329.1	343.0	SD-4-22
I-2	12" INLET	-	340.3	343.0	SD-4-22
M-1	4" BREEK MANHOLE	328.8	328.7	343.2	G-5.01

ALL STRUCTURES SHALL BE IN ACCORDANCE WITH HOWARD COUNTY "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION," DECEMBER, 1960 AND AS AMENDED.

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Shirley F. Nunnally 9-28-85

DIRECTOR

ENGINEER'S CERTIFICATION

I CERTIFY THAT THIS PLAN FOR ENGINEERING CONTROL REPRESENTS A PRACTICAL & FEASIBLE PLAN BASED UPON A PERSONAL INSPECTION OF THE SITE AND THAT I HAVE PERSONALLY ACCOMPANIED THE CONTRACTOR WITH THE REQUIREMENTS OF THE HOWARD COUNTY ZONING DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE NECESSARY SOIL CONSERVATION REPORT WITH AN AS-BUILT PLAN OF THE WORK SHOWN SO SOON AS COMPLETION.

DATE 9/25/85

ENGINEER

APPROVED

DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

HOWARD COUNTY, MARYLAND

DATE 11-7-84

OWNER:

KEY FEDERAL SAVINGS AND LOAN

660 LIBERTY ROAD

RAIDALLSTOWN, MARYLAND 21103

DETAILS AND SPECIFICATIONS

#9400 BALTIMORE NATIONAL PIKE

PARCEL "A2" A RESUBDIVISION OF PARCEL "A1" PROPERTY OF CHARLES E. SHEEHAN (PLAT NO. 6026)

PROPOSED BANK AND OFFICES

ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND

TAX MAP 24, PARCEL A0

REVISIONS:

31 OCT 84 JA

SCALE: AS SHOWN

DATE: 9/7/84

JOB NO.: 001/814

DESIGNED: THW

DRAWN: THW

CHECKED: KFR

DRAWING NUMBER: SDP-84-286

APPROVED:

FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

DATE 10-1-85

HEALTH OFFICER

DEVELOPER'S CERTIFICATION

I CERTIFY THAT ALL CONSTRUCTION AND INSTALLATION WILL BE DONE ACCORDING TO THE PLAN AND THE REQUIREMENTS OF THE HOWARD COUNTY ZONING DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE NECESSARY SOIL CONSERVATION REPORT WITH AN AS-BUILT PLAN OF THE WORK SHOWN SO SOON AS COMPLETION.

DATE 9/28/85

DEVELOPER

APPROVED:

FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY OFFICE OF PLANNING AND ZONING

DATE 10-3-85

PLANNING DIRECTOR

HOFF, ROSENBLITZ & WOOLFOLK, INC.

Soil Engineers & Landmarks Architects

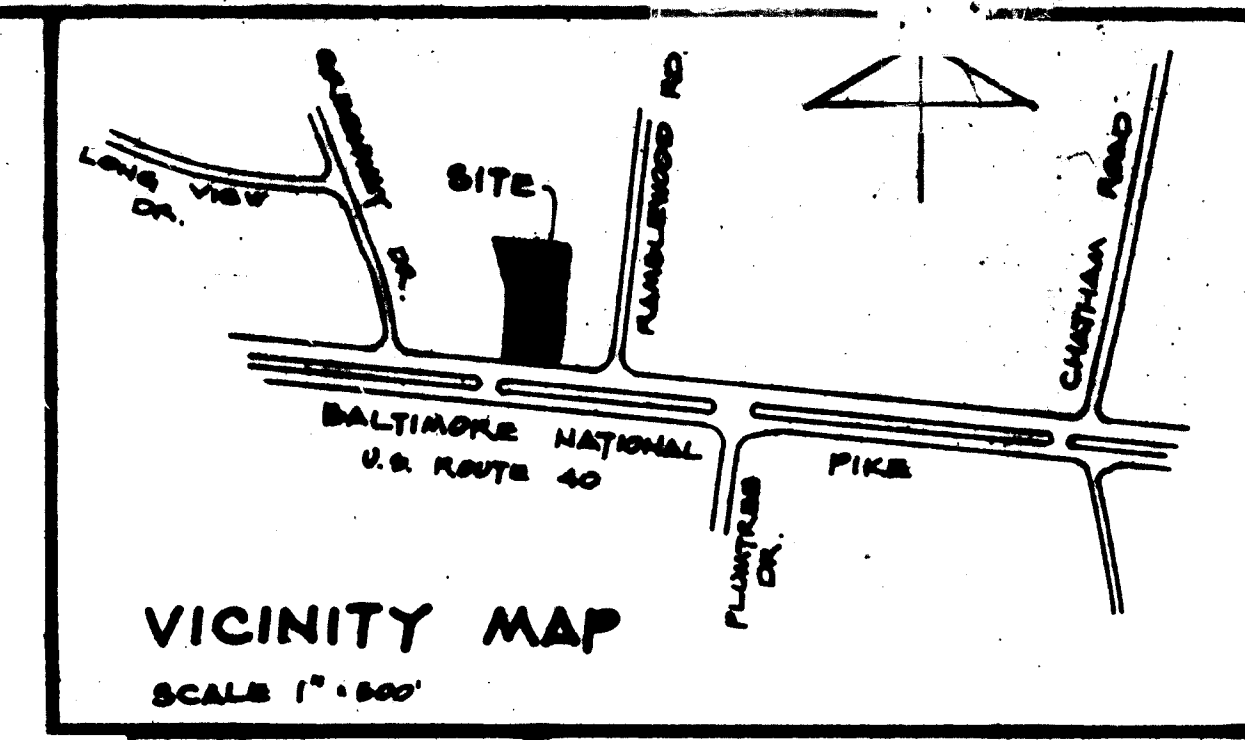
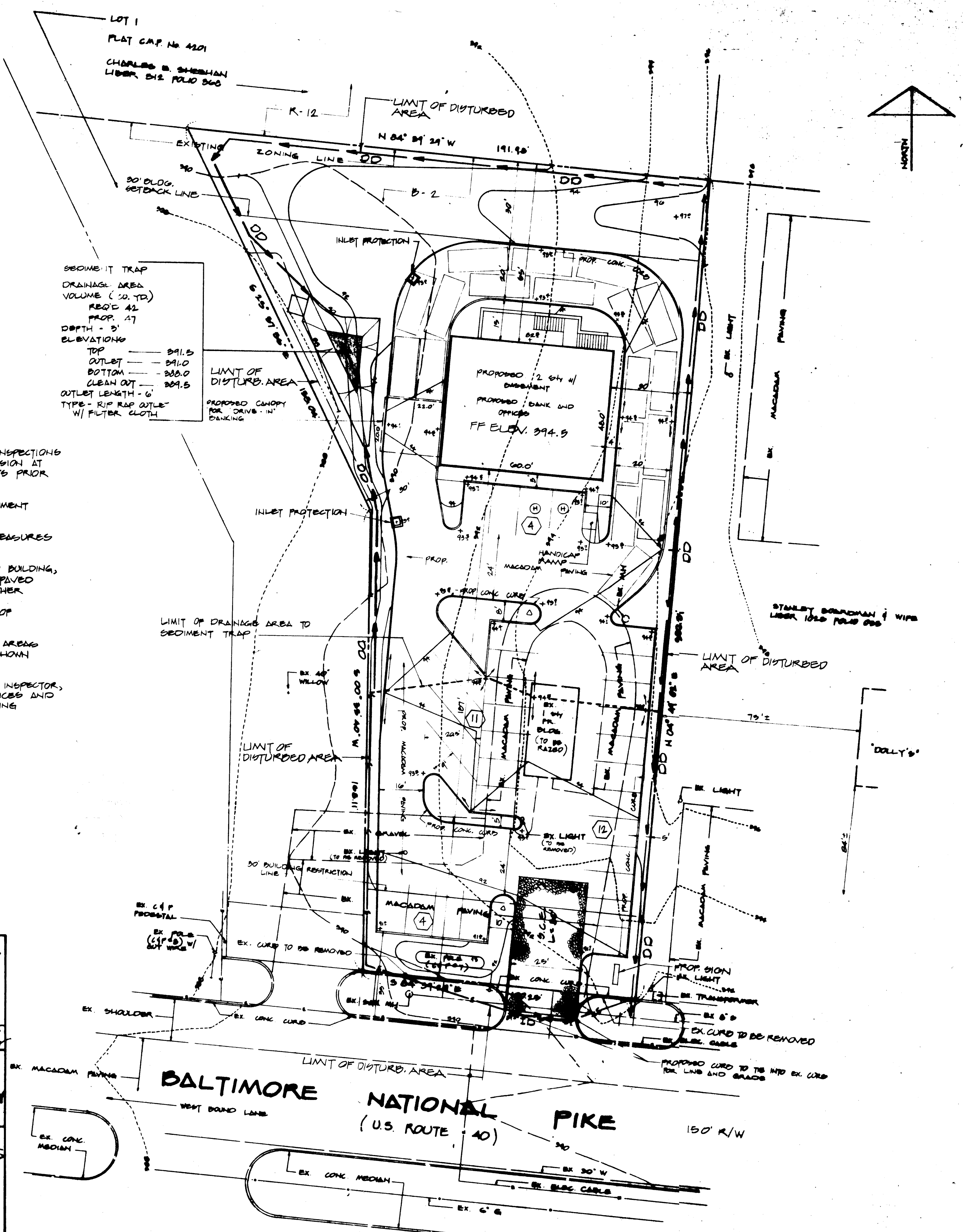
11 Carynne Hill Court

Owings Mills, MD 21117

(301) 388-8830

SHEET 5 OF 7

SDP-84-286



ENGINEER'S CERTIFICATION
 I CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL & WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT I HAVE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

Robert S. Rosenfelt
 ROBERT S. ROSENFELT P.E. # 15011 DATE 9/24/85

DEVELOPER'S CERTIFICATION
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

DEVELOPER: *Robert S. Rosenfelt* EXECUTED FOR DATE 9/24/85
 U.S. SOIL CONSERVATION DISTRICT DATE 9/24/85
 APPROVED: *Stephen J. Huber* DATE 9/24/85
 HOWARD SOIL CONSERVATION DISTRICT

- SEQUENCE OF OPERATIONS:**
- 1) NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS, SEDIMENT CONTROL DIVISION AT 992-2496 AT LEAST 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK.
 - 2) PERFORM LIMITED GRADING FOR SEDIMENT CONTROL ONLY.
 - 3) INSTALL ALL SEDIMENT CONTROL MEASURES EXCEPT INLET PROTECTION.
 - 4) GRADE FOR AND CONSTRUCT PROPOSED BUILDING, STORM WATER MANAGEMENT FACILITIES, PAVED AREAS AND STORM DRAINAGE AND ALL OTHER SITE WORK. PLACE INLET PROTECTION IMMEDIATELY FOLLOWING INSTALLATION OF INLETS.
 - 5) STABILIZE ALL REMAINING DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE SHOWN ON SHEET.
 - 6) UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND PERMANENTLY STABILIZE ANY REMAINING DISTURBED AREAS.

SEDIMENT TRAP
 DRAINAGE AREA VOLUME (20 TD)
 REOP. 42
 PROP. 47
 DEPTH - 5'
 ELEVATIONS
 TOP 391.5
 OUTLET 391.0
 BOTTOM 388.0
 CLEAN OUT 389.5
 OUTLET LENGTH - 6'
 TYPE - RIP RAP OUTLET W/ FILTER CLOTH

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 11-7-84

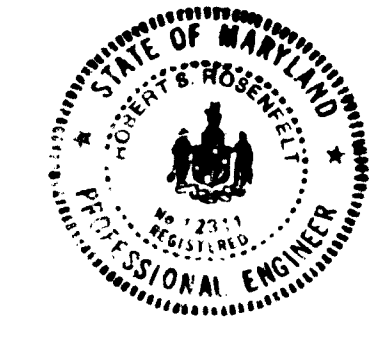
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Walter F. Nunnery 9-26-85
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF ENGINEERING
Richard P. Reed 9-25-85
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
John Boyd 11-1-84
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas J. Davis 10-3-85
 PLANNING DIRECTOR DATE

William M. ... 10-3-85
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE



TOTAL DISTURBED AREA - 37984 sq ft = 0.872 AC±
 AREA TO BE REVEGETATED - 13804 sq ft = 0.317 AC±

SEDIMENT CONTROL PLAN
 #4450 BALTIMORE NATIONAL PIKE
 PARCEL "A-2", A RESUBDIVISION OF PARCEL "A-1"
 PROPERTY OF CHARLES E. SHEEHAN (PLAT NO. 6025)

PROPOSED BANK AND OFFICES
 SECTION DISTRICT No. 23 HOWARD COUNTY, MARYLAND
 TAX MAP 24 PARCEL 45

OWNER
 KEY FEDERAL SAVINGS & LOAN
 8401 LIBERTY ROAD
 RANDOLPHSTOWN, MD 21155

HOFF, ROSENFELT & WOOLFOLK, INC.
 Civil Engineers & Landscape Architects
 11 Guyano Mill Court
 Owings Mills, MD 21117
 (301) 363-8630

SCALE: 1" = 20'
 DATE: MAY 24, 1984
 JOB NO.: 00-104
 DESIGNED: J.W.H.
 DRAWN: J.W.H.
 CHECKED: _____

DATE: 09/24/85
 SHEET 6 OF 7

UTILIZATION

PERMANENT SEEDING
All disturbed areas shall be stabilized as follows:
Seeded Preparation: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding.
Soil Amendments: Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 600 lbs. per acre 0-20-20 fertilizer (14 lbs./1000 sq. ft.).

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre Kentucky 31 Tall Fescue (1.4 lbs./1000 sq. ft.).
Seeding For Storm Water Management Ponds Only: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 87 lbs. per acre Kentucky 31 Tall Fescue (1.4 lbs./1000 sq. ft.).

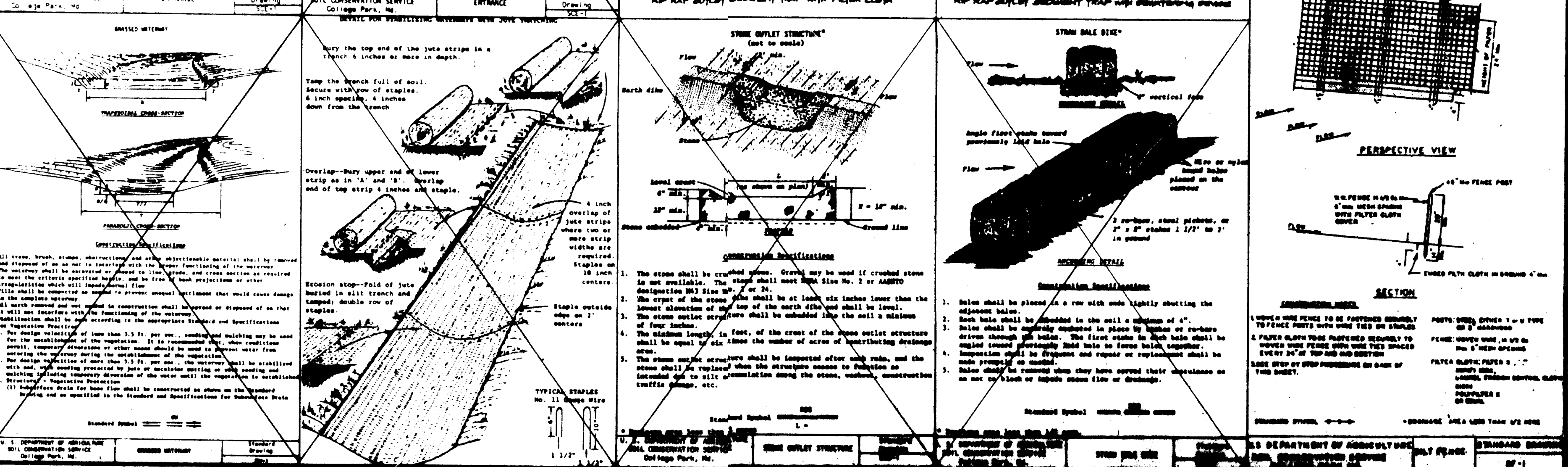
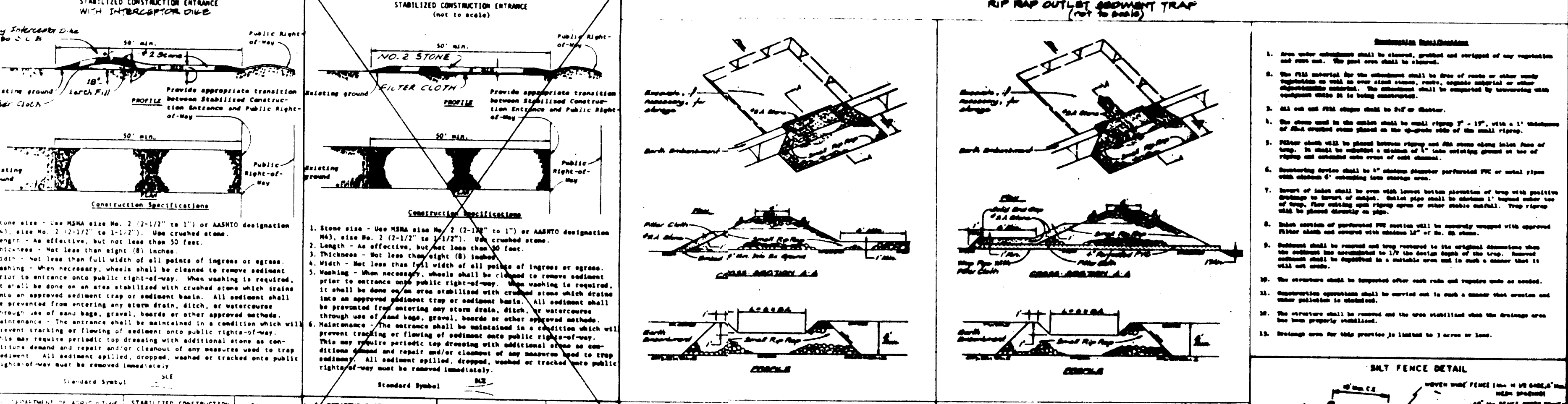
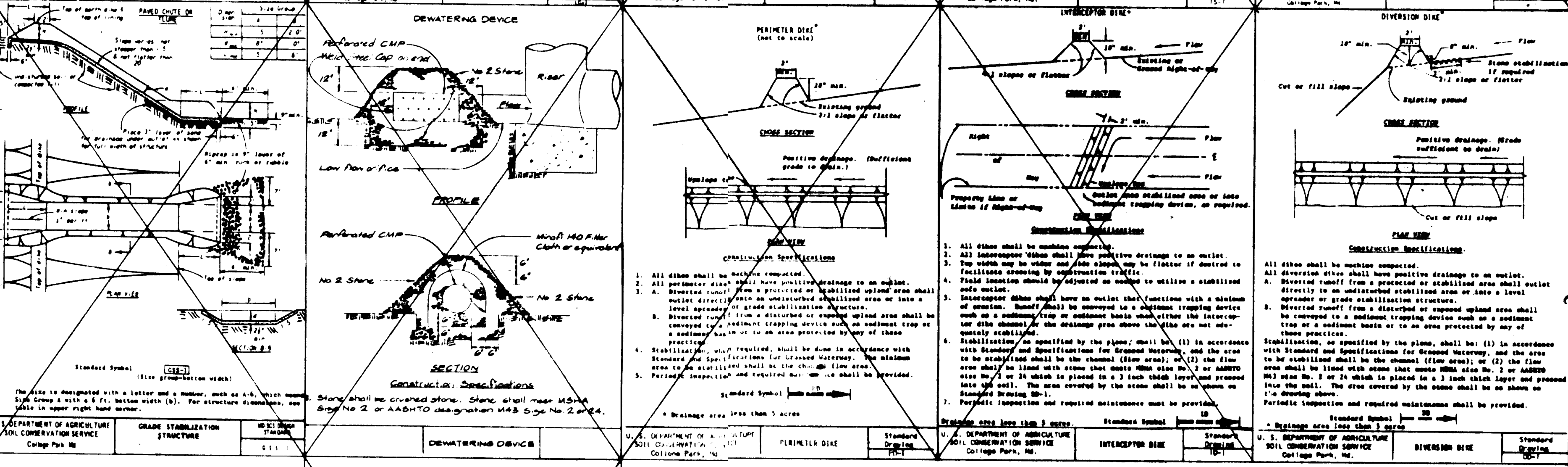
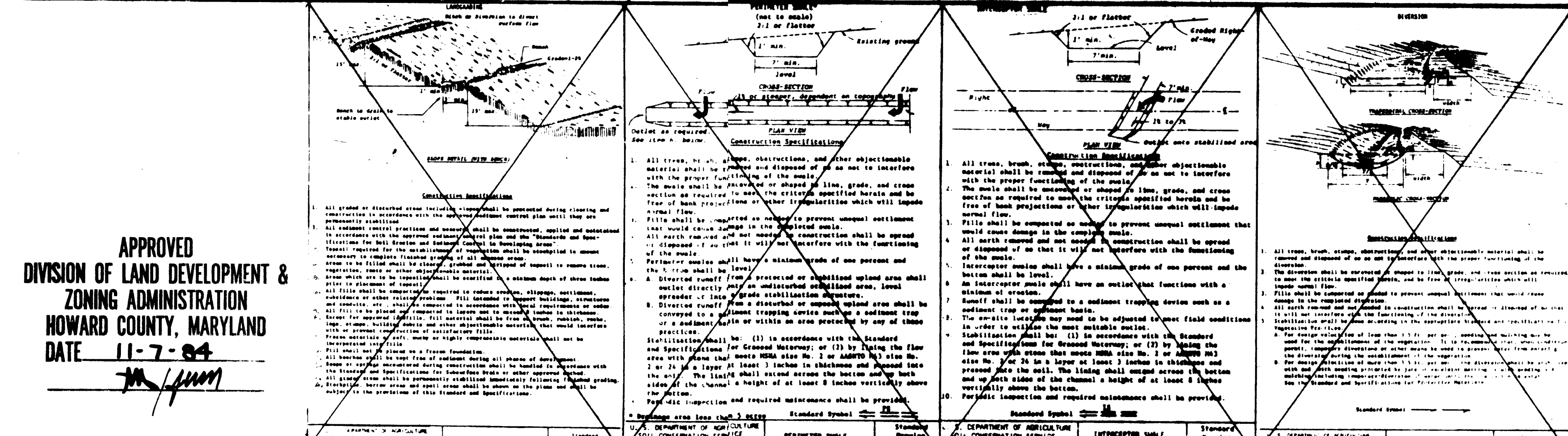
Mulching: Apply 1.5 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas.

SOE
Specifications: Sod shall be "KY-31" Tall Fescue or Kentucky Bluegrass/Red Fescue mixture of approved equal. Class of turfgrass sod shall be Maryland or Virginia state certified or approved sod.

Site Preparation: Where soil is acid or composed of heavy clays, ground limestone shall be spread at the rate of 100 lbs./1000 sq. ft. In all soils, 5-10-5 fertilizer or approved equal shall be applied at the rate of 30 lbs./1000 sq. ft.

Sod Installation: The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Lateral joints shall be staggered to promote more uniform growth and strength.

THIS SEEDING PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved: Stephen S. Smith, Howard S.C.D. 7/2/85



GENERAL NOTES
1. All work shall be accomplished in accordance with Soil Conservation Service's Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas, July, 1975, and this plan of Sediment Control approved by the HOWARD County Soil Conservation District and the Department of Public Works of HOWARD COUNTY.

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Director: DICKIE NEWMY
9-26-85 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Director: JOYCE B. REED
10-1-85 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Director: JOHN W. MARCHMAN
10-3-85 DATE

ENGINEER'S CERTIFICATION
I hereby certify that this plan of Sediment Control has been prepared by or under my supervision in accordance with "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas," S.C.S. July, 1975, and meets the minimum standards of the HOWARD County Soil Conservation District.

DEVELOPER'S CERTIFICATION
I/We hereby certify that all responsible personnel involved in the construction project will have a certificate of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project.

OWNER'S CERTIFICATION
I hereby certify that all clearing and grading on this site will be accomplished in accordance with these Sediment Control Plans. I also hereby authorize periodic onsite evaluation and inspection by the HOWARD County Soil Conservation District, the HOWARD County Department of Public Works and cooperating agencies.

SEDIMENT CONTROL PLAN DETAILS
* 9450 BALTIMORE NATIONAL PIKE
PARCEL "A-2"
A REBUBDIVISION OF PARCEL "A-1"
PROPERTY OF CHARLES E. SHEEHAN (PLAT N° 0022D)
PROPOSED BANK AND OFFICES
ELECTION DIST. NO. 2 HOWARD CO., MD
TAX MAP 24 PARCEL 43

HOFF, ROSENFELT & WOOLFOLK, INC.
Civil Engineers & Landscape Architects
11 Gwynns Mill Court
Owings Mills, MD 21117
(301) 363-8830
KEY FEDERAL SAVINGS & LOAN
8601 LIBERTY ROAD
KANDALLTOWN, MD 21133
DRAWING NO. 90P 84-286
SHEET 1 OF 7
SDP-84-286