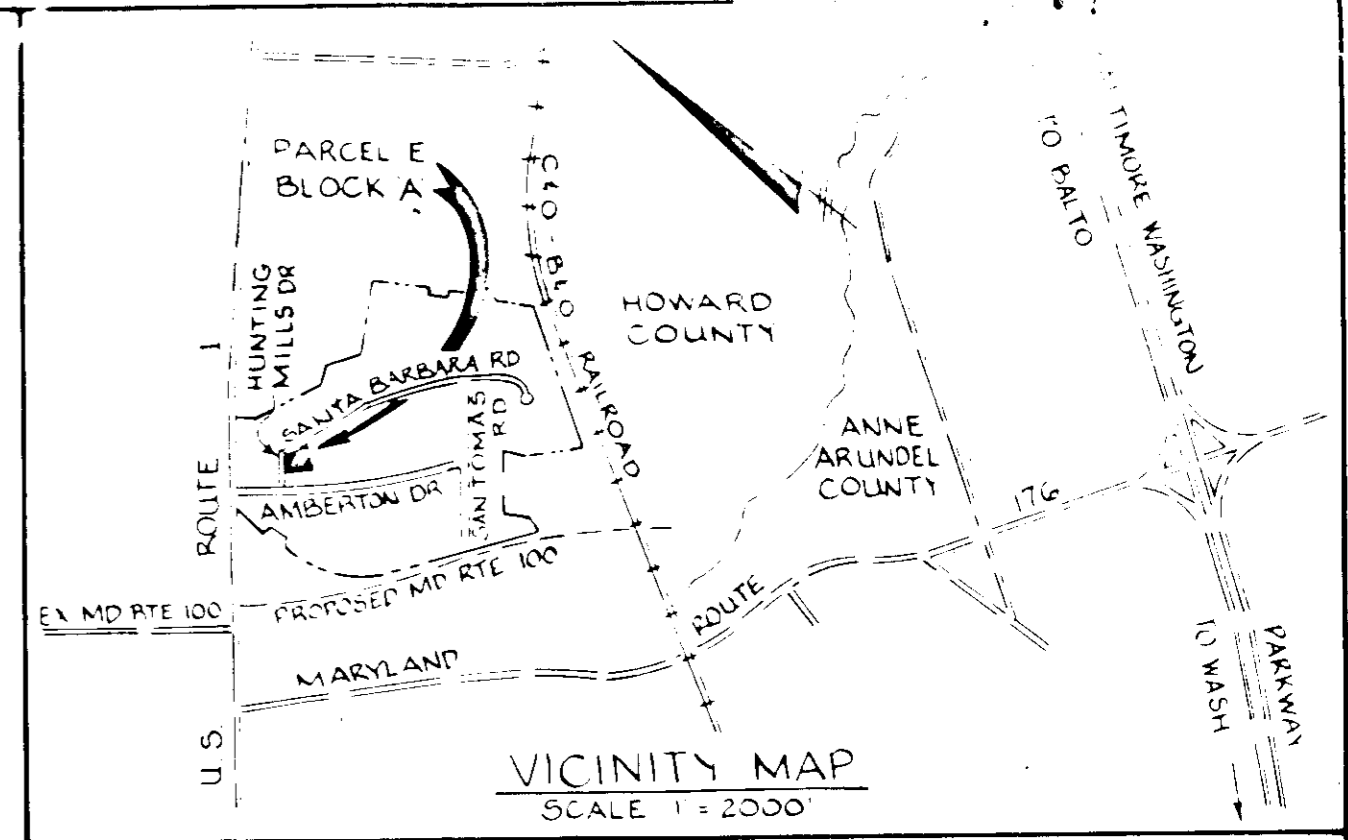
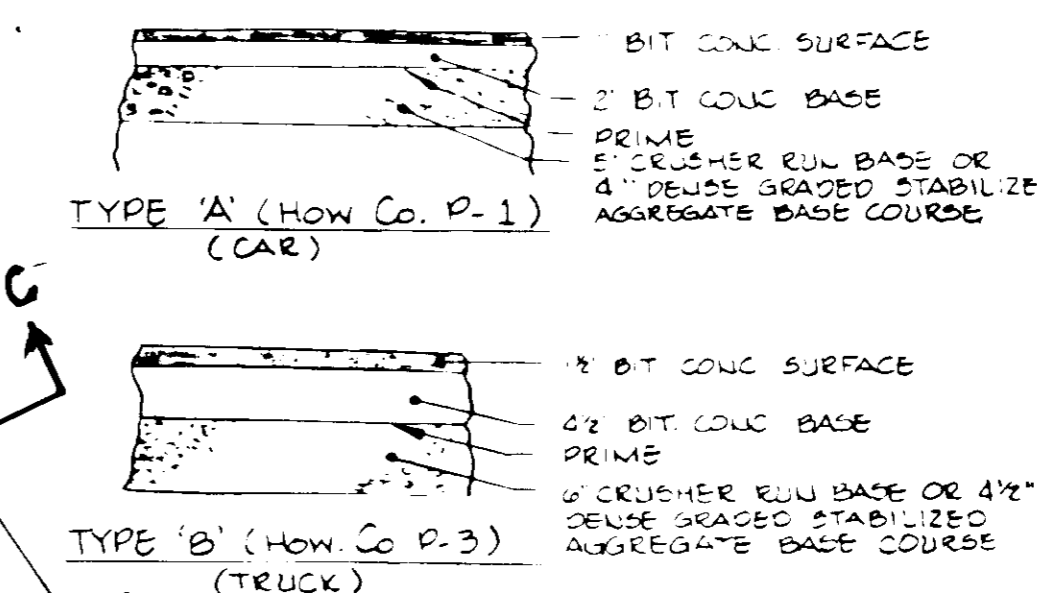


TYPICAL PAVING SECTIONS
NO SCALE



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER *[Signature]* DATE 8-30-81

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
[Signature] DATE 9-3-85

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR
[Signature] DATE 8-24-85

APPROVED FOR SOIL CONSERVATION DISTRICT
DISTRICT CHIEF
[Signature] DATE 8/24/85

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MET THE TECHNICAL REQUIREMENTS
SIGNATURE *[Signature]* DATE 8/24/85
THE UNITED STATES SOIL CONSERVATION SERVICE

SITE DATA:
AREA OF SITE: 1.81 AC ±
TOTAL PROPOSED FLOOR AREA: 10,875 SF
EXISTING USE: VACANT
PROPOSED USE: OFFICE / WAREHOUSE
PARKING REQUIRED:
OFFICE: 4,210 SF @ 150 SF/SP = 28 SP
WAREHOUSE: 12,650 SF @ 175, 500 SF = 26 SP
PARKING PROVIDED:
44 STD. @ 9' X 18' W/2' OVERHANG
2 HDOP @ 12' X 18' W/2' OVERHANG
46 TOTAL PS.
FLOOR AREA RATIO: 0.30/1.01 = 2.9%
PROPERTY REFERENCE: PLATBOOK 26 FOLIO 15
EXISTING ZONING: M-2
% OPEN SPACE: 0.52 AC @ 0.52/1.01 = 2.5%
% BUILDING COVERAGE: 0.21/1.01 = 2.1%
AREA TO BE DISTURBED: 1.80 AC OR 78,400 SF
AREA TO BE VEGETATIVELY STABILIZED: 0.46 AC OR 20,038 SF

- LEGEND**
- INDICATES EXISTING GROUND
 - INDICATES PROPOSED GRADE
 - INDICATES EX. STORM DRAIN
 - INDICATES PROPOSED STORM DRAIN
 - INDICATES EXISTING WATER
 - INDICATES PROPOSED WATER
 - INDICATES EXISTING SEWER
 - INDICATES PROPOSED SEWER
 - INDICATES PARKING SPACE FOR HDOP
 - TYPE A PAVING SECTION
 - TYPE B PAVING SECTION
 - ① INDICATES SIGN (See Detail Sheet 2 of 5)
 - ② INDICATES NO. OF PARKING SPACES

PLAN
SCALE: 1" = 20'

NOTE: FOR GENERAL NOTES SEE SHEET 2 OF 5

GEORGE WILLIAM STEPHENS JR AND ASSOCIATES INC
ENGINEERS
305 ALLEGHENY AVE TOWSON MD 21204
(301) 825-8120

[Professional Engineer Seal]
ENGINEER TAPOMATA OKRABARTI, REG. NO. 12130, DATE 12/18/84

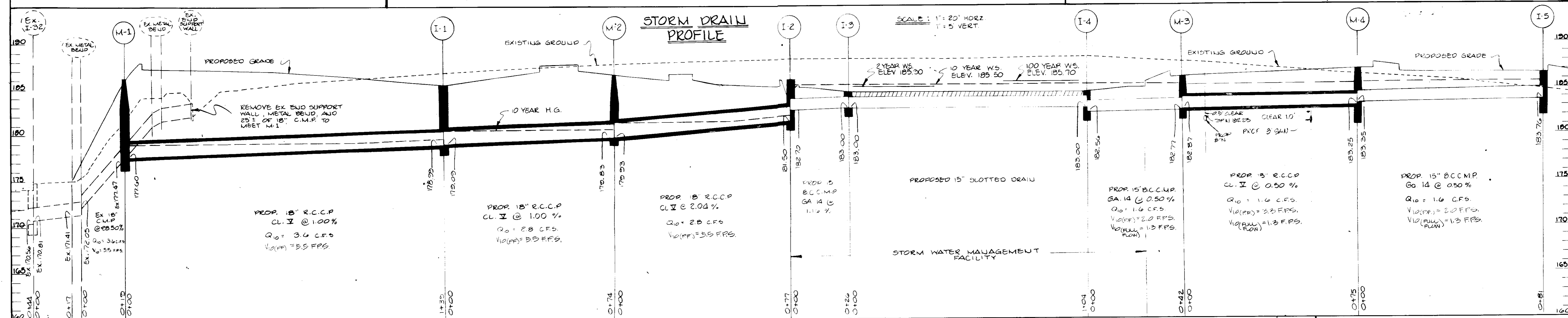
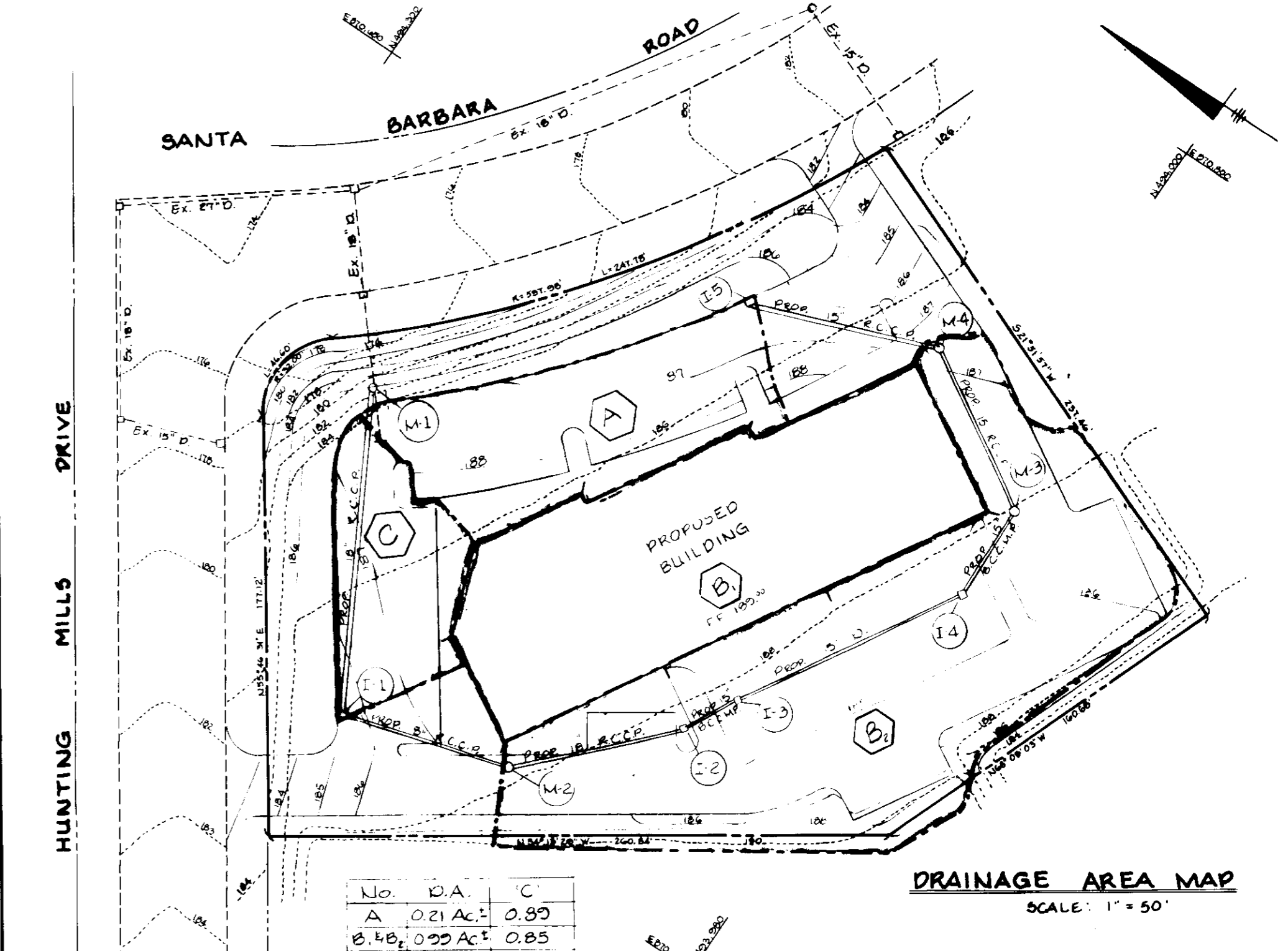
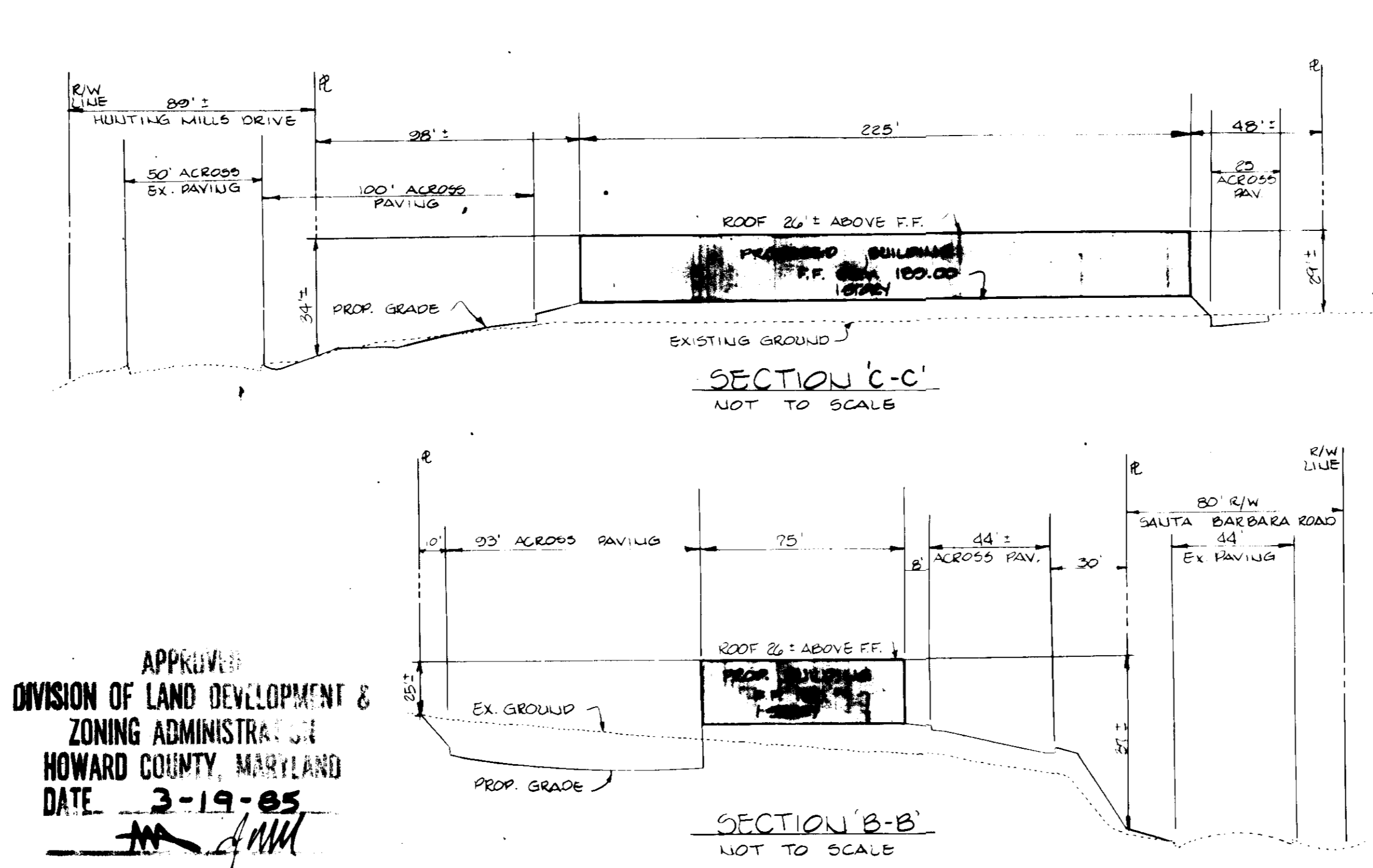
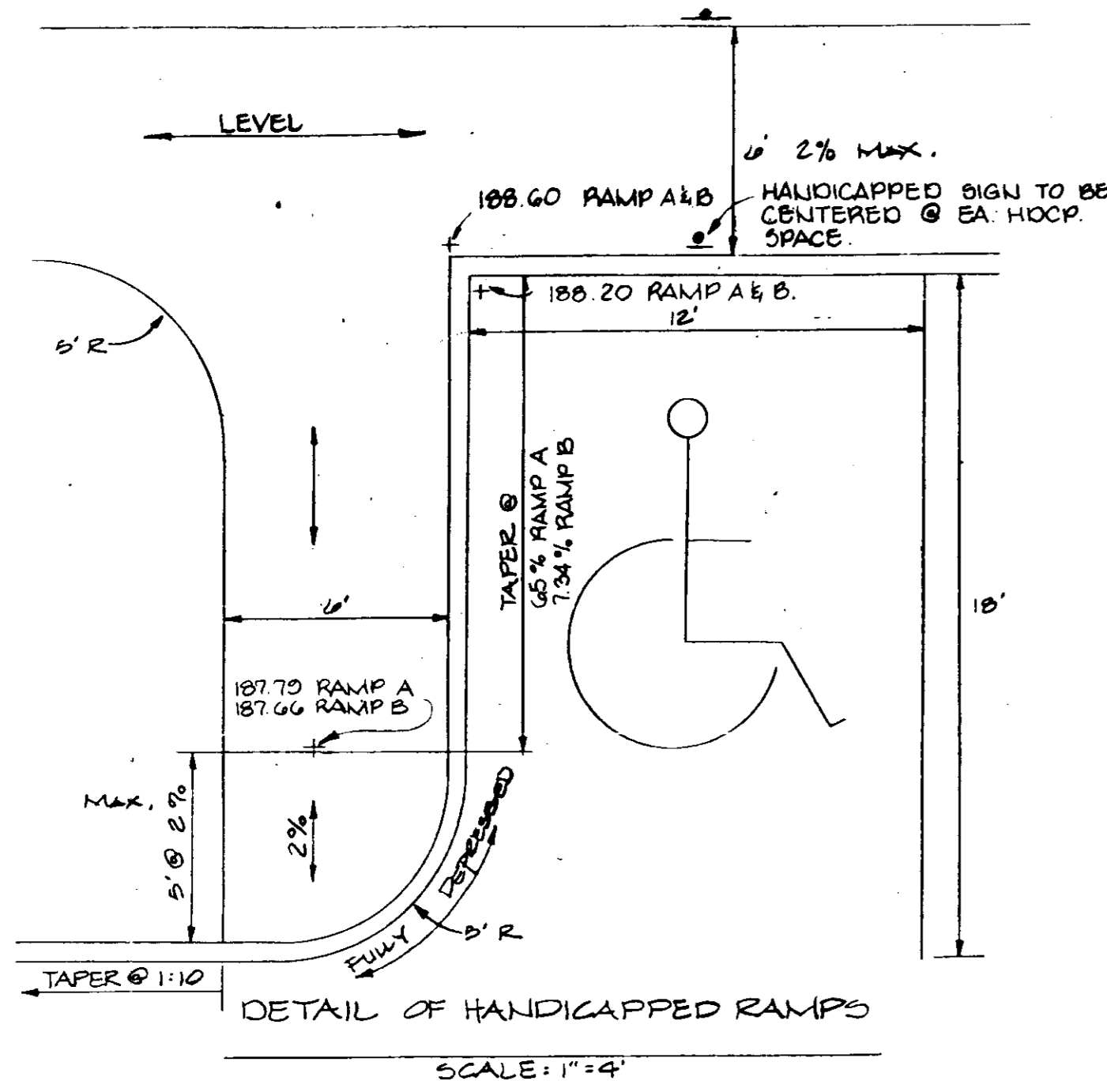
MERRITT
2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

DESIGNED BY PC
DRAWN BY KB
CHECKED BY PRC
REVISIONS
SIGNATURE OF DEVELOPER *[Signature]* DATE 12/18/84

WILL BE ADDED CLEAN UP TO WHICH SEWER TRACES GO

ADDRESS CHART				
LOT NUMBER	STREET ADDRESS			
PARCEL E	WOOD SANTA BARBARA RD			
SUBDIVISION	ROUTE 100 BUSINESS PARK	NAME	BULL	LOT PARCEL # 'E'
PLAT # OF L.P. BLOCK	26 15	ZONE	M 2	TAX MAP 37
				ELECT. DIST. 128
				CENUS TRACT 23

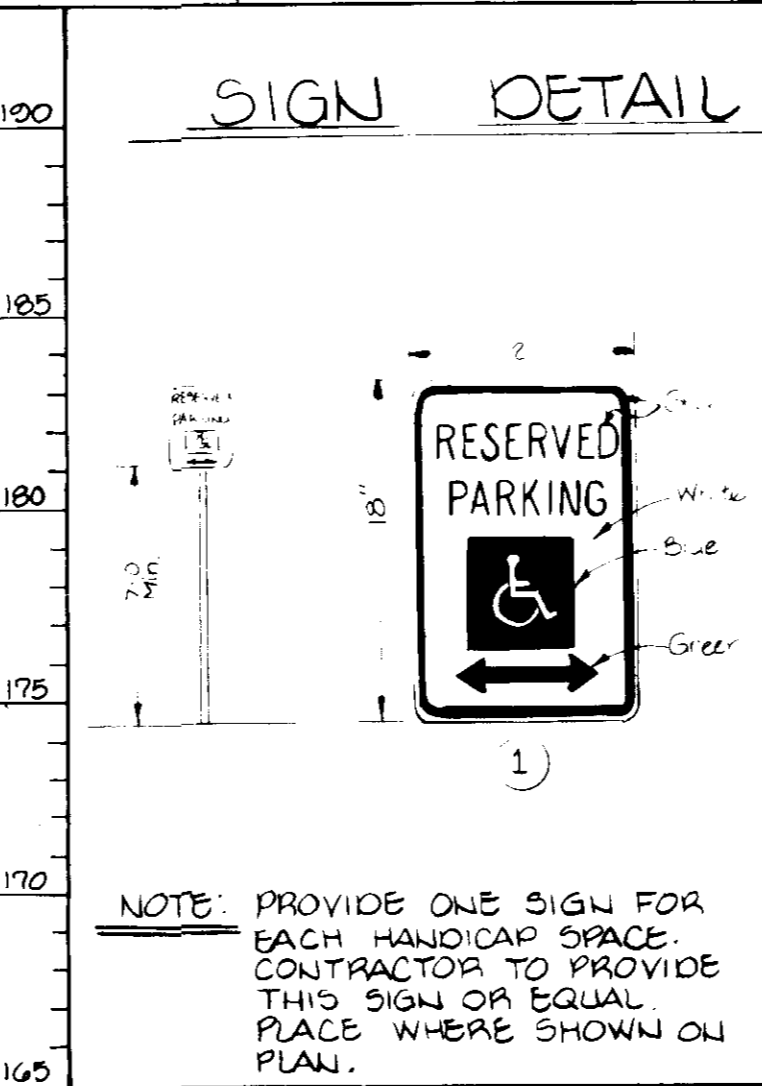
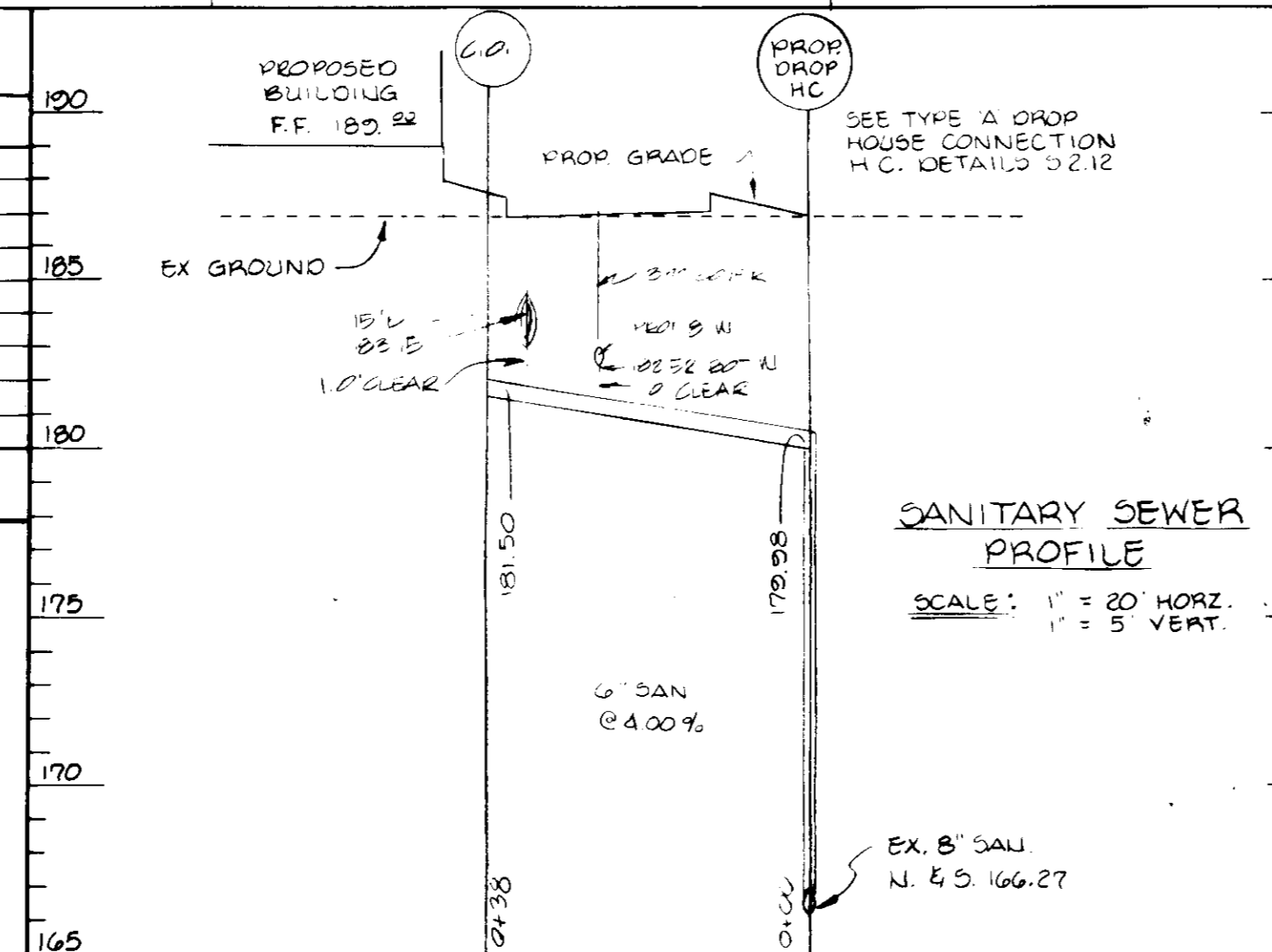
SITE PLAN
FOR
PROPOSED OFFICE AND WAREHOUSE
ROUTE 100 BUSINESS PARK
BLOCK 'A' PARCEL 'E'
HOWARD COUNTY, MD ELECTION DISTRICT '1'
SCALE: 1" = 20' SHEET 1 OF 5
DECEMBER 17, 1984
SDP-85-111



STRUCTURE SCHEDULE

NO.	TYPE	TOP ELEV.	INV. IN	INV. OUT	REMARKS
I-1	SINGLE S' COMB	* 186.10	179.09	178.93	HC STD. S.D. 4.32
I-2	MODIFIED DEL'S	186.00	182.70	181.50	See SWM Details
I-3	MODIFIED SINGLE S'	184.75	183.00	183.00	See SWM Details
I-4	MODIFIED SINGLE S'	184.75	182.56	183.00	See SWM Details
I-5	SINGLE S' COMB.	* 187.20		183.76	HC STD. S.D. 4.32
M-1	STD. MANHOLE	186.20	177.60	Ex 177.47	HC STD. G. 5.01
M-2	STD. MANHOLE	186.55	179.33	179.83	HC STD. G. 5.01
M-3	SHALLOW M.H.	186.36	182.87	182.77	HC STD. G. 5.05
M-4	SHALLOW M.H.	187.12	183.35	183.25	HC STD. G. 5.05

* TOP OF CURB ELEVATION



- GENERAL NOTES**
- Maximum building height = 50'.
 - All areas not being paved or receiving building coverage shall be stabilized in accordance with the plans approved by the 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 collect 1-559-0100.
 - For details of ramps and signs for the handicapped see the Maryland Building Code for the Handicapped and Aged and as shown hereon.
 - The contractor shall maintain a minimum of 3.5' 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 tees, bends, caps, etc. shall be buttressed in accordance with Howard County Design requirements.

HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
DISTRICT: *Stephen S. Huber* DATE: *8/6/84*
APPROVED: HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE: *John W. Hester* DATE: *8/16/84*
THE UNITED STATES SOIL CONSERVATION SERVICE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: *John P. Jones* DATE: *8-20-84*
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR: *James A. Hovis* DATE: *9-28-85*
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION:
William M. Hester DATE: *9-28-85*
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *William M. Hester* DATE: *9-28-85*
CHIEF, BUREAU OF ENGINEERING: *William M. Hester* DATE: *9-28-85*

GEORGE WILLIAMS STEPHENS, JR. & ASSOCIATES, INC.
ENGINEERS AND LAND SURVEYORS
303 ALLEGHENY AVE.
TOWSON, MARYLAND 21204

ENGINEER
Tarabata Chakrabarti
REG. NO. *12-1-84*
DATE

MERRITT
2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

OWNER
La M. Smith
BY: *Scott E. King*
GENERAL MANAGER
TITLE: _____
DATE: *12/15/84*

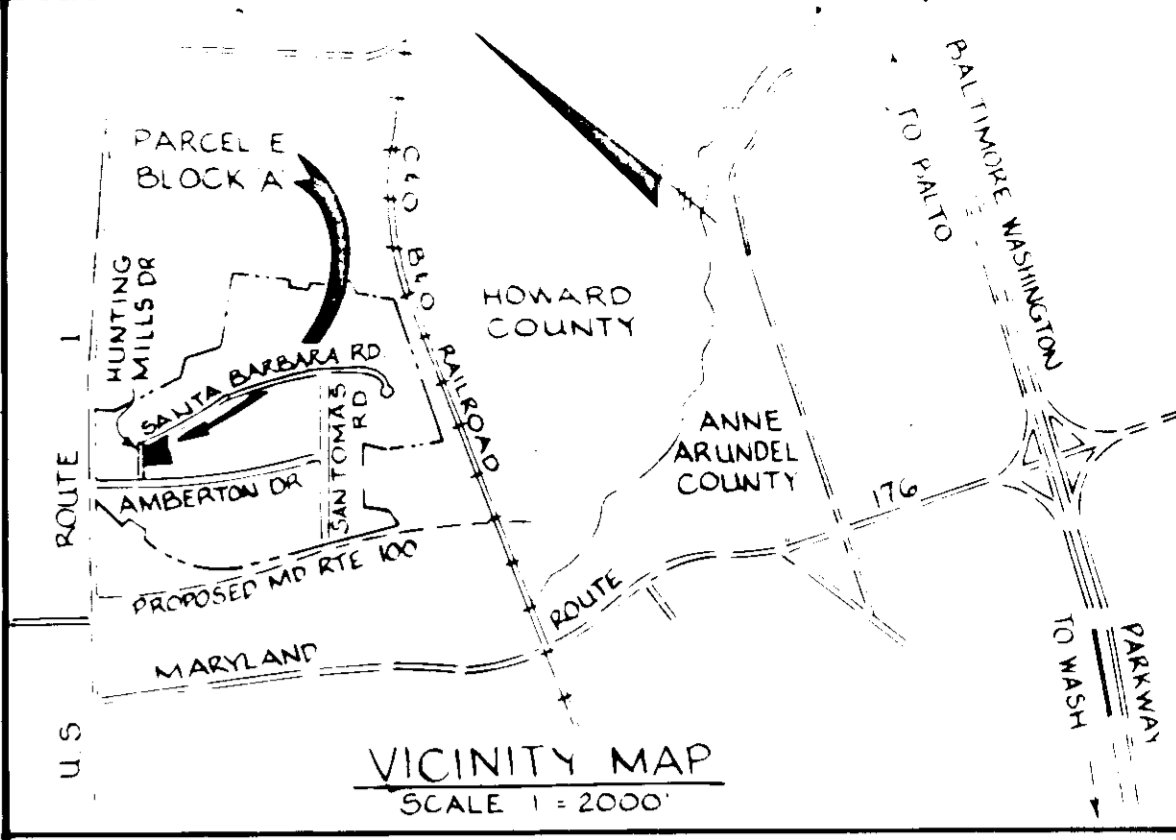
Designed By: T.M.H.
Drawn By: K.B.
Checked By: R.C.
REVISIONS
NO. DATE BY DESCRIPTION
1 12/15/84 T.M.H. PROPOSED OFFICE AND WAREHOUSE ROUTE 100 BUSINESS PARK BLOCK 'A' PARCEL 'E'
HOWARD COUNTY, MD. ELECTION DISTRICT #1
SCALE AS SHOWN P.U. DECEMBER 17, 1984
SHEET 2 OF 5
SDP-85-111

SANTA

BARBARA ROAD

ROAD

HUNTING MILLS DRIVE



NOTE: MAINTAIN POSITIVE DRAINAGE TO SEDIMENT TRAP AT ALL TIMES.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICE *[Signature]* DATE 8-1-85

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR *[Signature]* DATE 8-3-85

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR *[Signature]* DATE 8/2/85

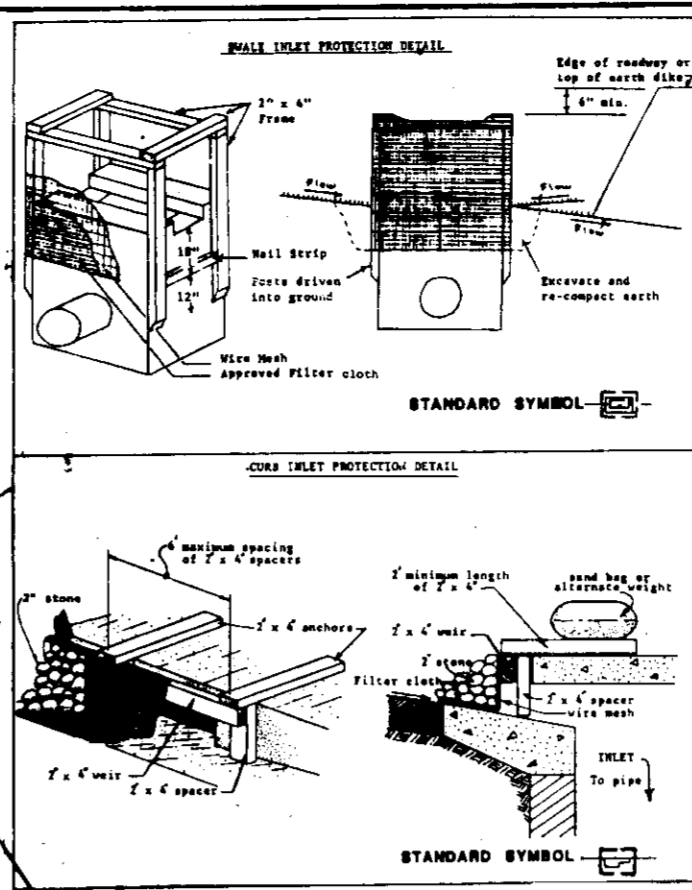
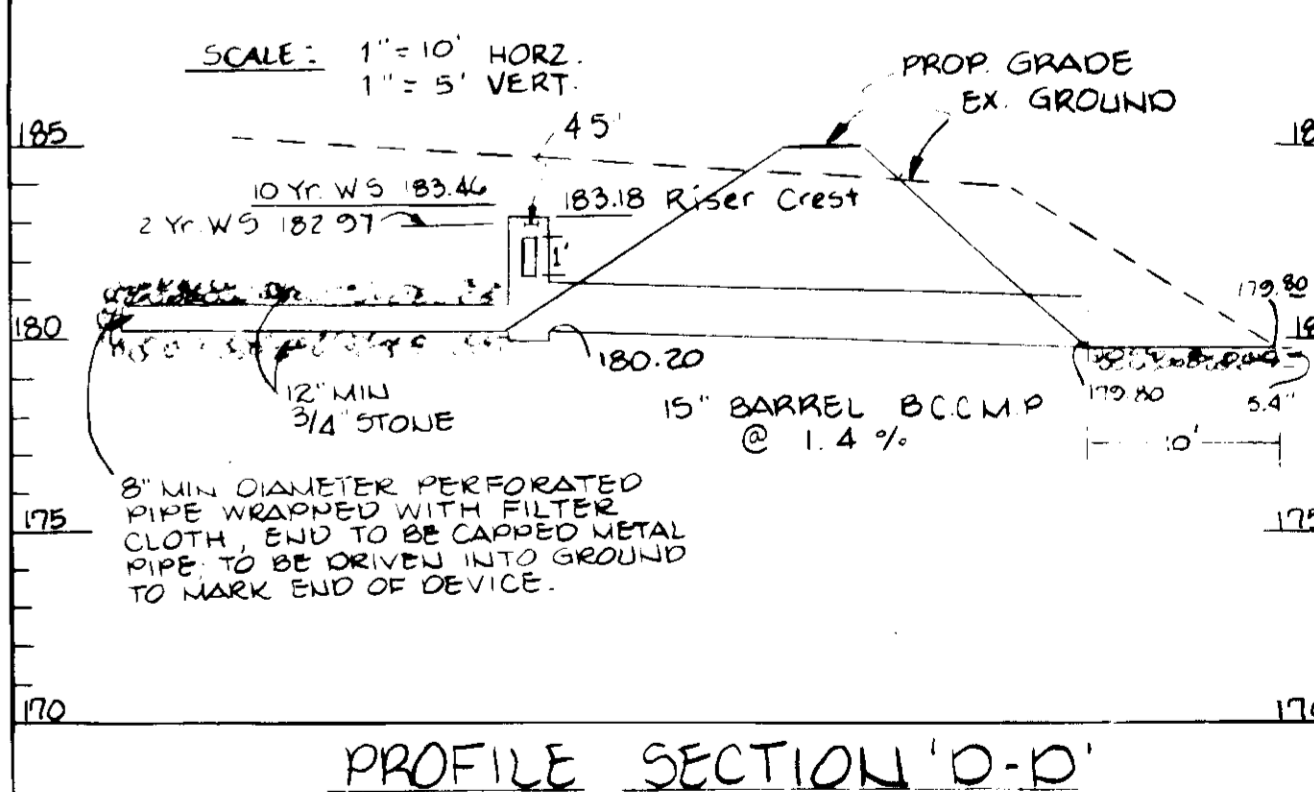
CHIEF, BUREAU OF ENGINEERING

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS, DISTRICT OF ENGINEERING AND CONSERVATION DISTRICT AND MEETS THE REQUIREMENTS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, SERVICE

AREA OF SUBMITTAL = 1.85 AC ±
AREA OF DISTURBANCE = 0.9 AC ±
OR 78408 SF
AREA OF VEGETATIVE STABILIZATION = 0.46 AC ±
APPROXIMATE EARTH QUANTITY CUT = 3500 CY
FILL 2500 CY (INCLUDES 10% SHRINKAGE)
1,000 CY WILL BE HAULED TO A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN.

COMPUTATIONS FOR PIPE OUTLET SEDIMENT TRAP

DRAINAGE AREA = 1.57 AC ±
VOLUME REQUIRED FOR SEDIMENT CONTROL = 1.57 X 67 X 27 = 2,840 CF.
VOLUME REQUIRED FOR 2 YEAR S.W.M. STORAGE AND SEDIMENT CONTROL = 7,546 CF.
VOLUME PROVIDED = 7,709 CF.
TOP OF TRAP ELEVATION = 185.00
TOP OF STORAGE ELEVATION = 183.50
TOP OF SEDIMENT CONTROL ELEVATION = 181.64
CLEANOUT ELEVATION = 180.02
BOTTOM ELEVATION = 180.00
BOTTOM SIZE = 97' x 14'
SIDE SLOPE = 2:1
VOLUME REQUIRED FOR 10 YEAR S.W.M. STORAGE AND SEDIMENT CONTROL = 7,546 CF.



- Construction Specifications
- Materials**
 - Wooden frame is to be constructed of 2" x 4" construction grade lumber.
 - Wire mesh must be of sufficient strength to support filter fabric, and stone for curb inlets, with water fully impounded against it.
 - Filter cloth must be of a type approved for this purpose resistant to sunlight with a life span of 20 years, to allow sufficient passage of water and removal of sediment.
 - Stone is to be 2" in size and clean, since fines would clog the cloth.
 - Procedure**
 - A well, ditchline or yard inlet protection.
 - Excavate completely around inlet to a depth of 18" below notch elevation.
 - Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joints shown. Top of frame (nail) must be 6" below edge of roadway adjacent to inlet.
 - Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
 - Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.
 - Backfill around inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation on dikes.
 - If the inlet is not in a low point, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 4" higher than the top of frame (nail).
 - This structure must be inspected frequently and the filter fabric replaced when clogged.
 - Curb Inlet Protection.
 - Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" well (measuring throat length plus 2") as shown on the standard drawing.
 - Place a piece of approved filter cloth (40-85 slant) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" well.
 - Securely nail the 2" x 4" well on 8" long vertical spacers to be located between the well and inlet face (max. 6" apart).
 - Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the well at spacer locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
 - The assembly shall be placed so that the end spacers are a minimum 1' beyond both ends of the throat opening.
 - Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the protection.
 - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 - Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.

KEY:

- DRAINAGE AREA
- EARTH DIKE
- STRAW BALE DIKE
- STABILIZED CONCRETE ENTRANCE
- LIMIT OF DISTURBANCE

PLAN
SCALE: 1" = 20'

SECTION A-A
NOT TO SCALE

NOTE: THE SEDIMENT TRAP SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAP. 12 OF HOWARD COUNTY DESIGN MANUAL STORM DRAINAGE.

Route One Hundred Business Park Block A Parcel C Plat Book 25 Folio 80 EX 201416 H-2

GEORGE WILLIAM STEPHENS JR. AND ASSOCIATES INC
ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD 21204
(301) 825-8120



I CERTIFY THAT THIS PLAN FOR ROAD CONSTRUCTION, SEWERAGE AND WATER SUPPLY IS THE PROPERTY OF THE ENGINEER AND THAT THE ENGINEER HAS NOT BEEN REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS WRITTEN CONSENT. THE ENGINEER'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED BY HIM OR HER AND HE OR SHE IS NOT RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT OR THE PERFORMANCE OF THE PROJECT OR THE CONSTRUCTION OF THE PROJECT OR THE PERFORMANCE OF THE PROJECT.

[Signature] 8930 12-17-84
ENGINEER TAPPRATA CHAKRABARTI REG. NO. DATE

MERRITT
2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

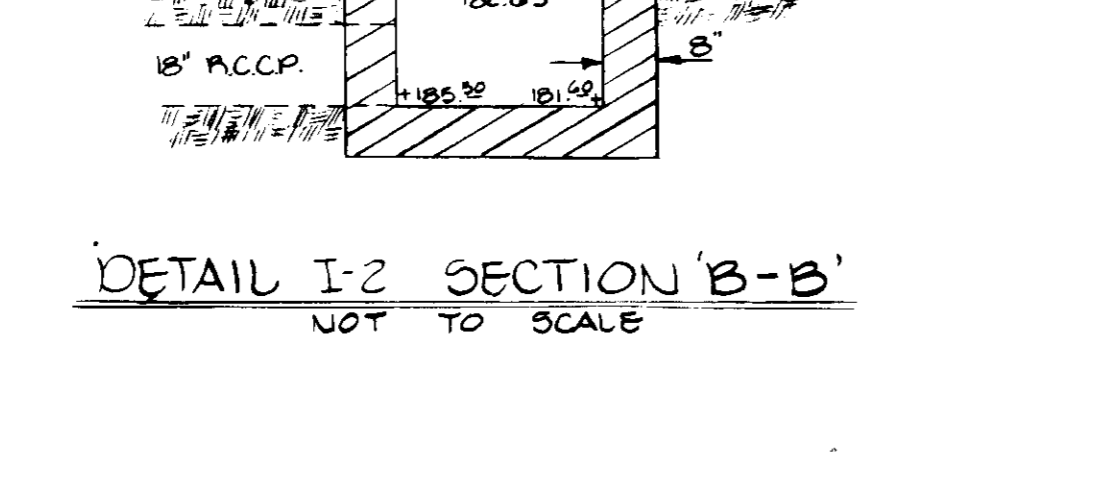
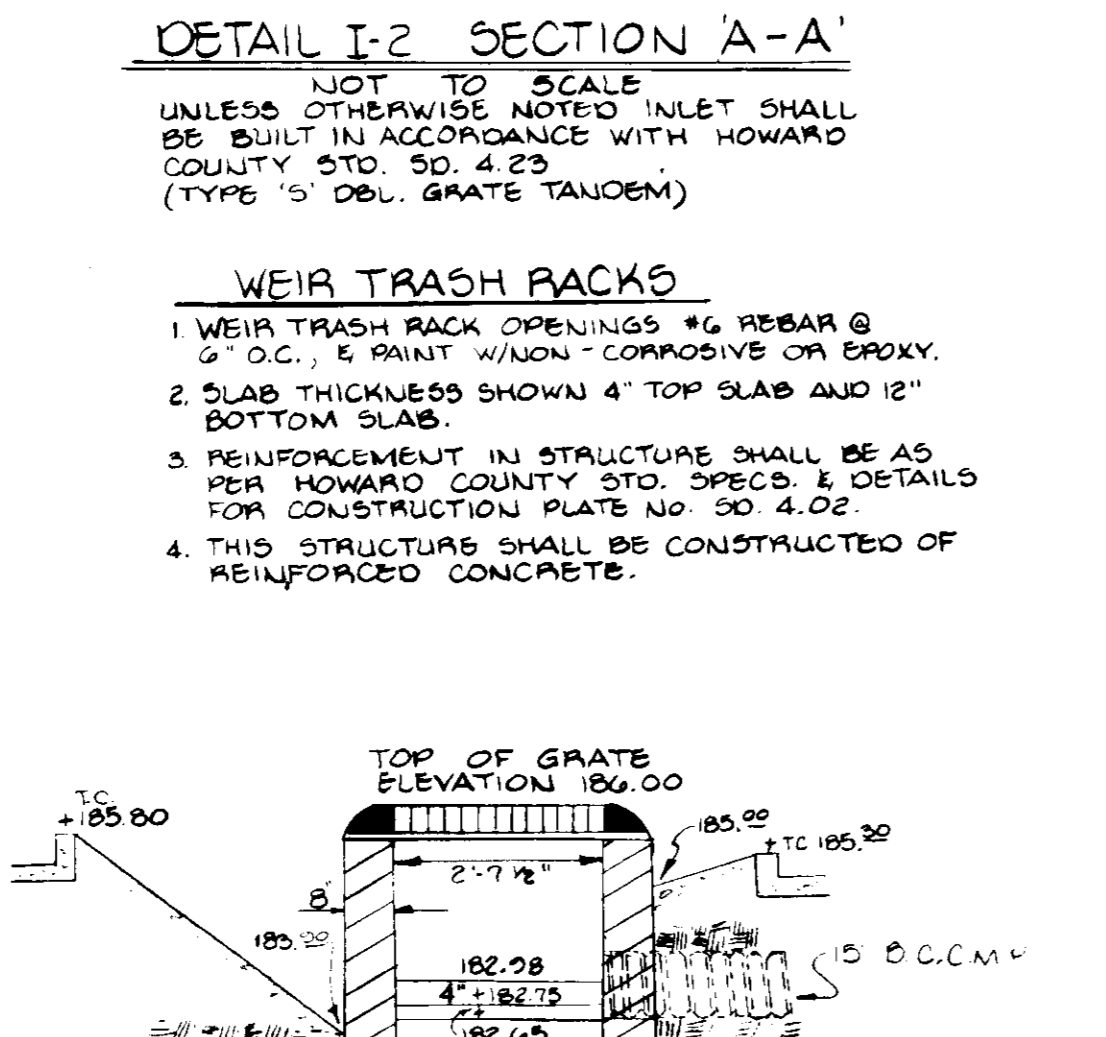
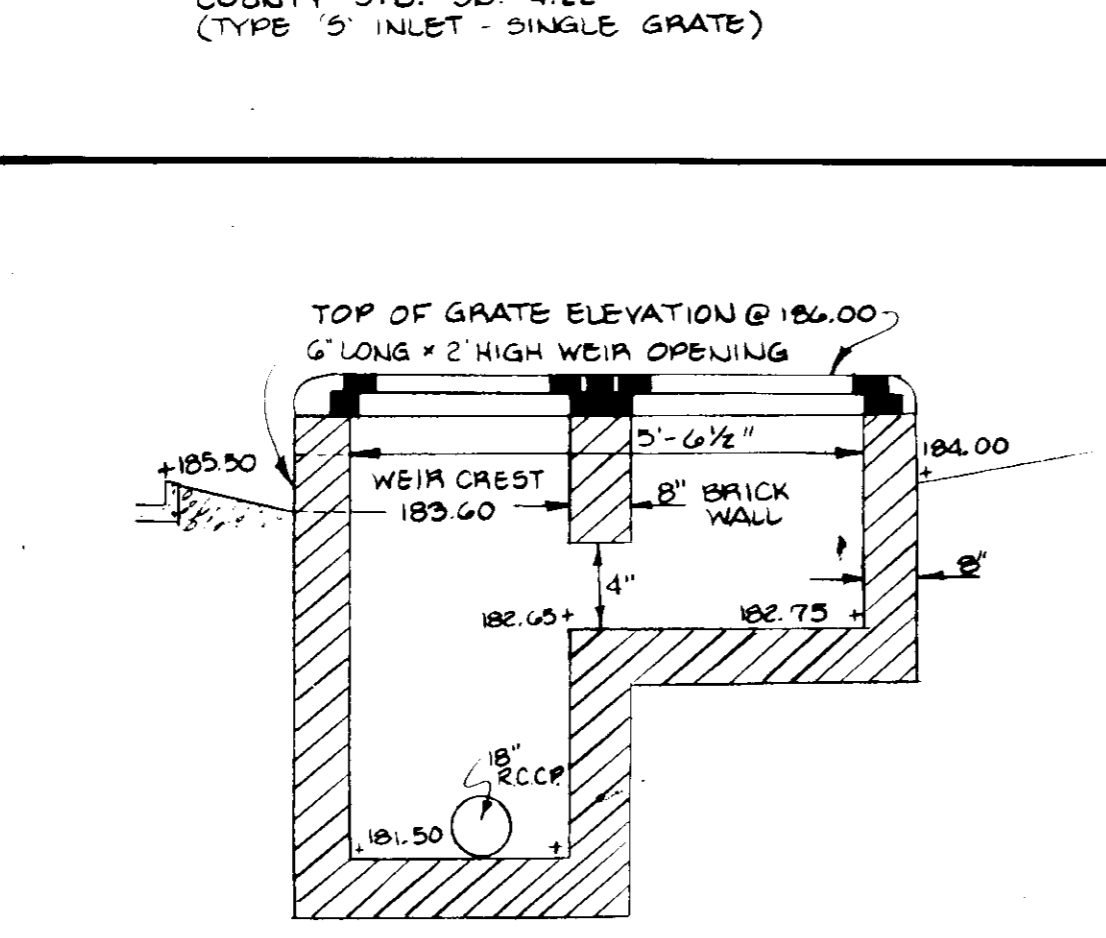
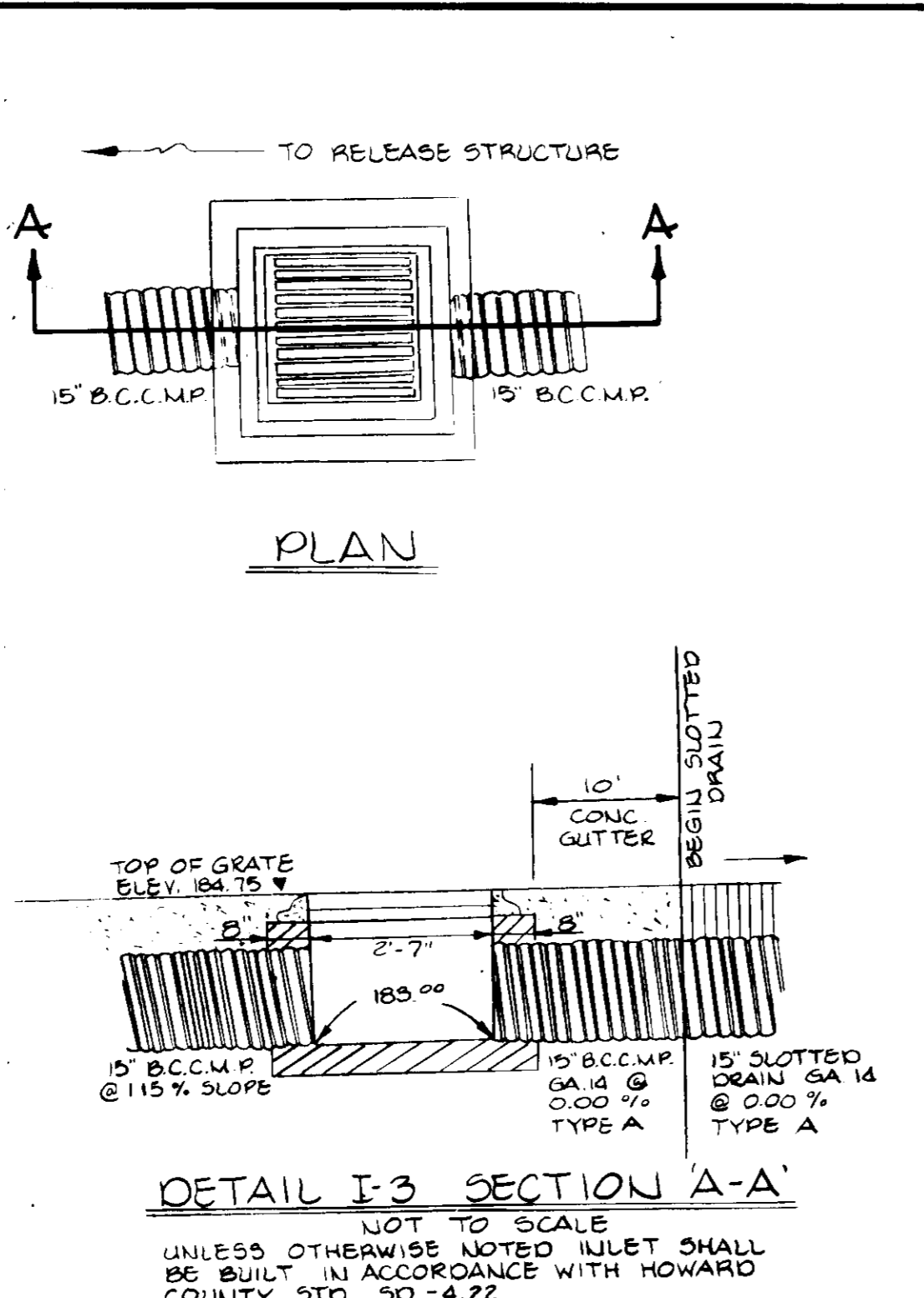
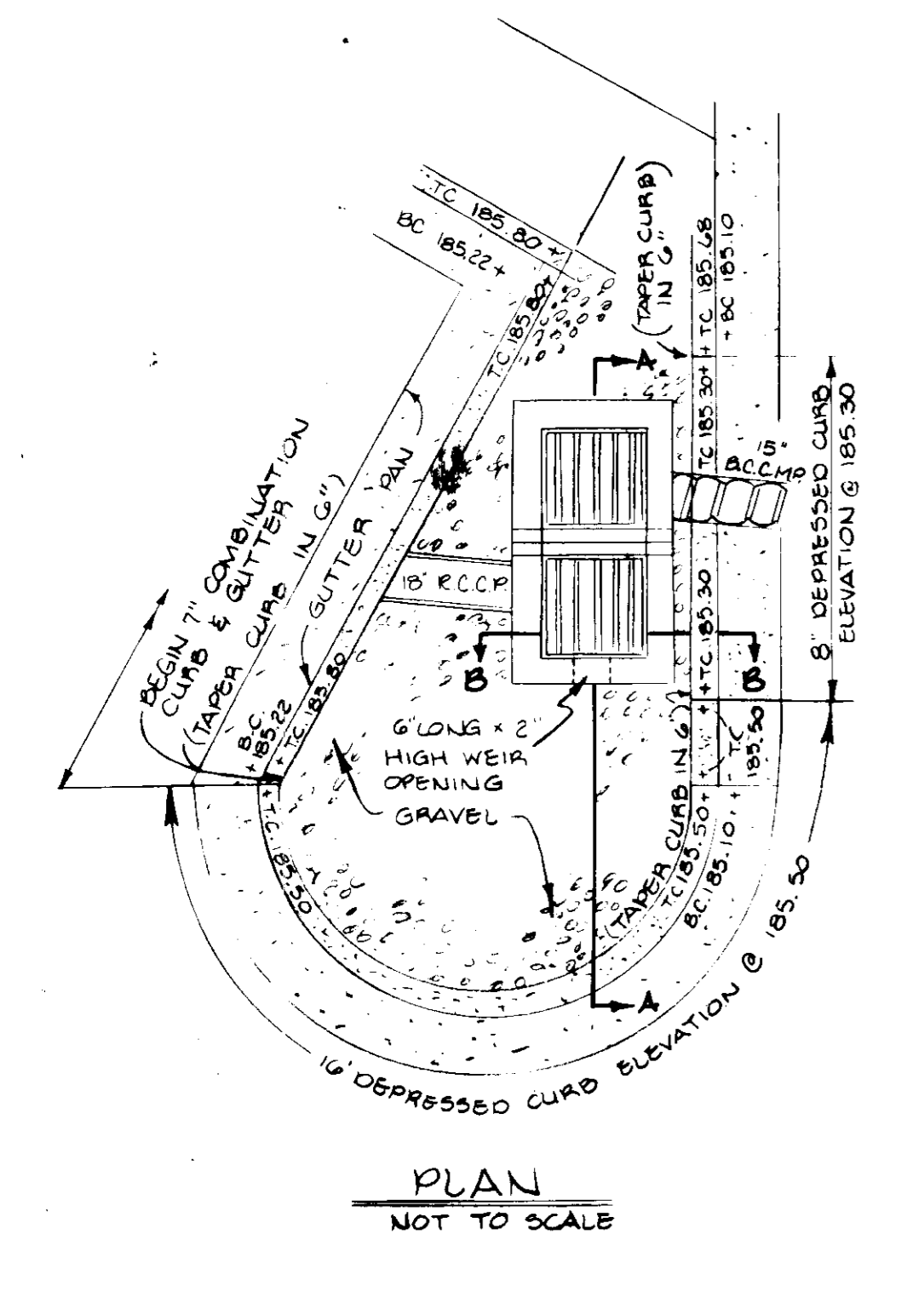
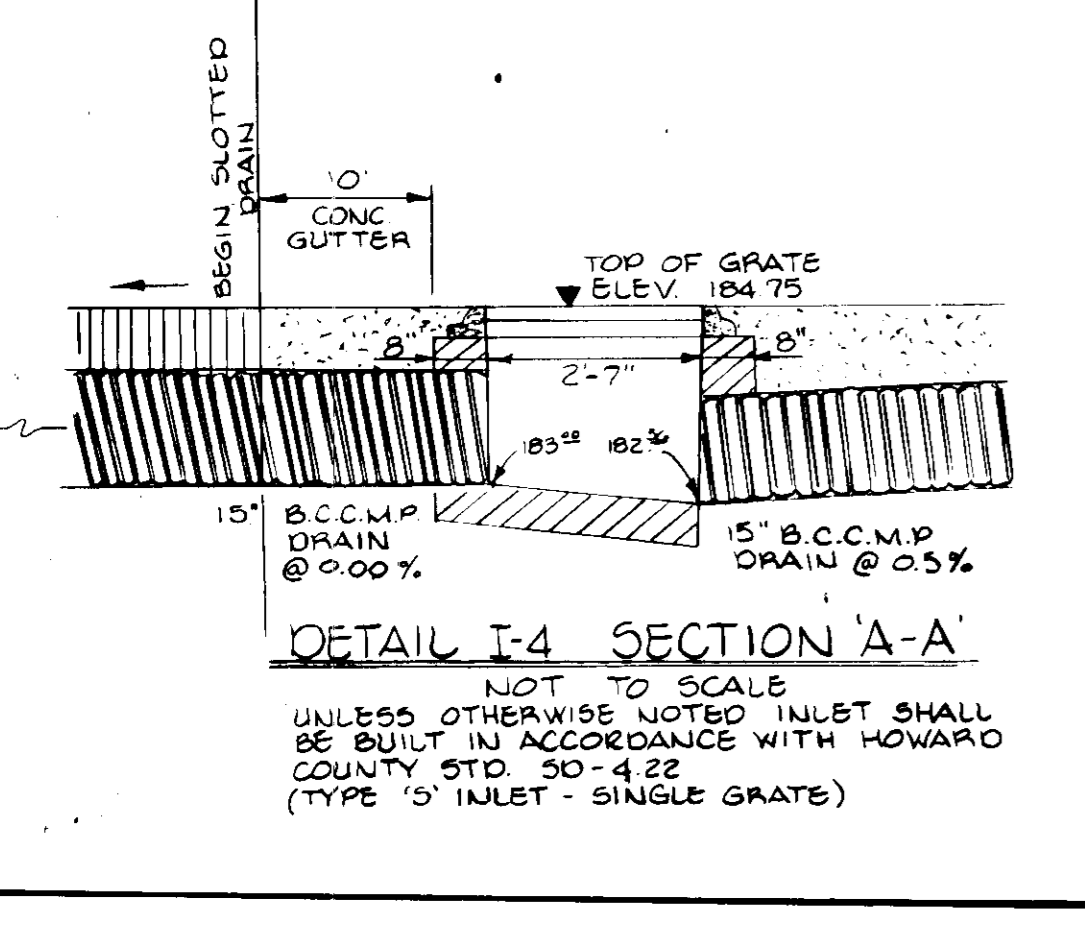
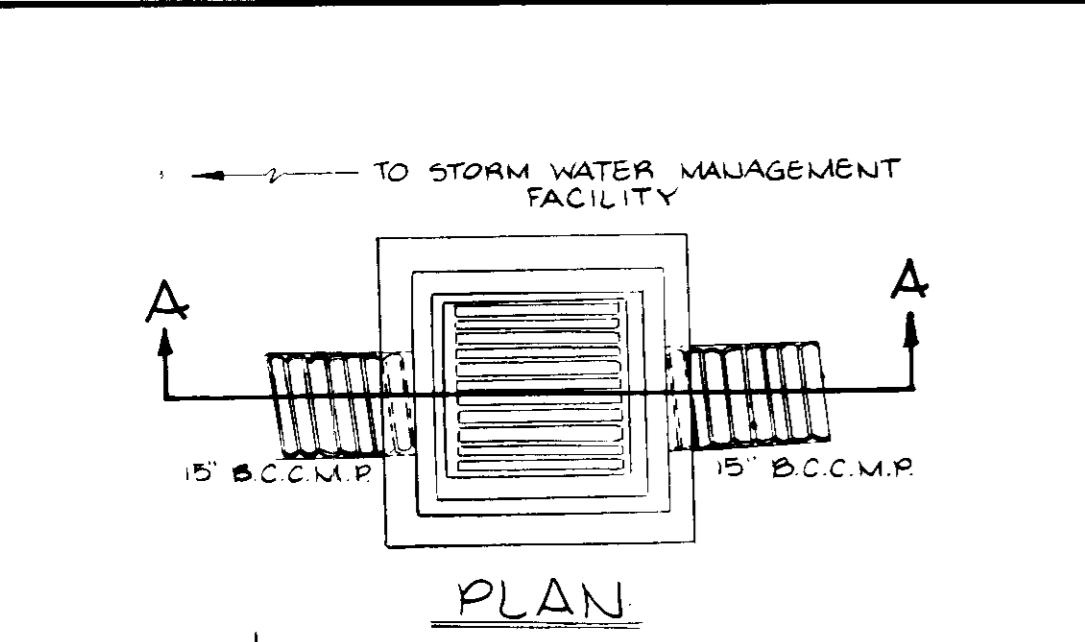
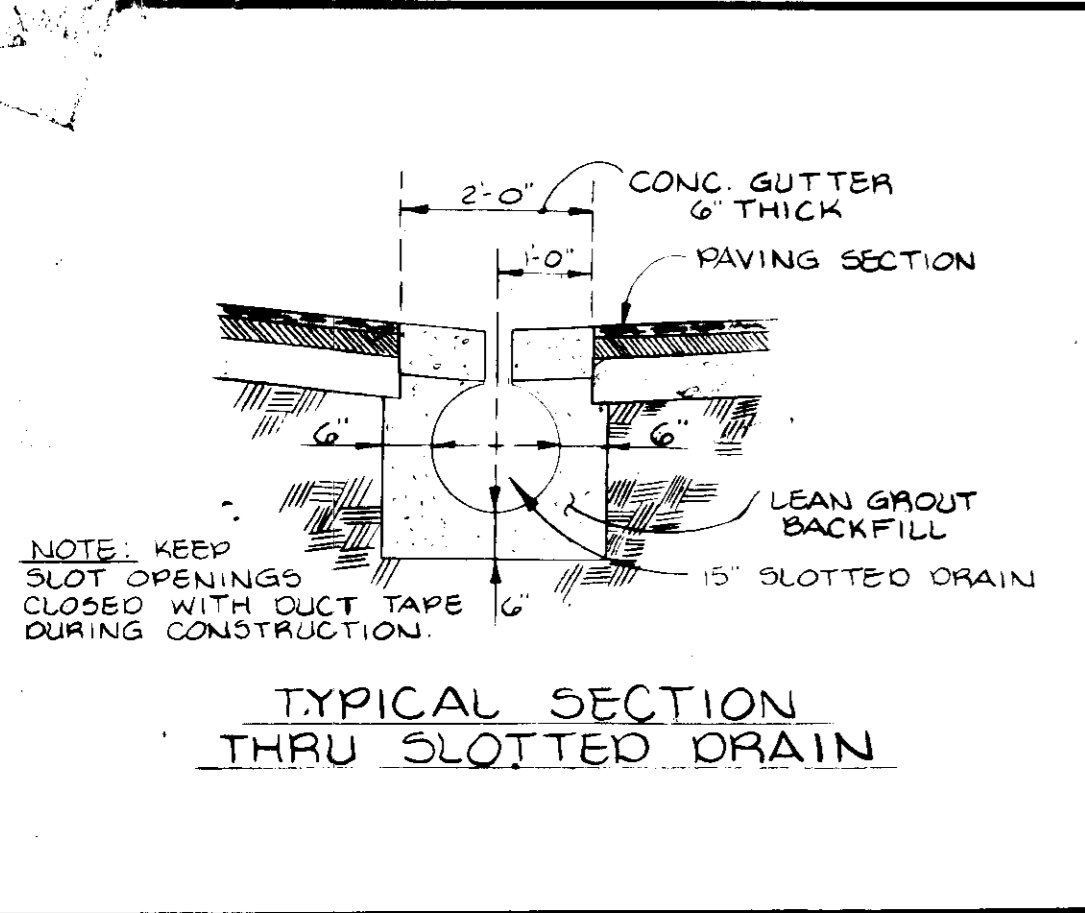
DESIGNED BY R.H.
DRAWN BY K.L.B.
CHECKED BY T.C.
REVISIONS

[Signature]
SIGNATURE OF DEVELOPER

12/18/84
DATE

SEDIMENT AND EROSION CONTROL PLAN FOR PROPOSED OFFICE AND WAREHOUSE ROUTE 100 BUSINESS PARK BLOCK 'A' PARCEL 'E' HOWARD COUNTY, MD ELECTION DISTRICT '1' SCALE: 1" = 20' SHEET 3 OF 5 DECEMBER 17, 1984

SDP-85-111



PERMANENT SEEDING NOTES

Seeding Preparation: Loosen upper 3 inches of soil by raking, dicing or other acceptable means before seeding.

Soil Amendments: Use one of the following schedules:

- Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil.
- Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (92 lbs./1000 sq. ft.)

Seeding: For periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 tall fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 tall fescue per acre and 2 lbs. per acre (0.06 lbs./1000 sq. ft.) of creeping proso millet. For the period of October 16 thru February 28, protect site with Option (1) or 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) - use seed. Option (3) - seed with 60 lbs./acre Kentucky 31 tall fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 14 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Another mulch immediately after application using 210 gallons per acre (9 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

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

TEMPORARY SEEDING NOTES

Seeding Preparation: Loosen upper 3 inches of soil by raking, dicing or other acceptable means before seeding.

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.).

Seeding: For periods March 1 thru April 30, and August 1 thru November 15, seed with 24 lbs. per acre of annual ryegrass (3.2 lbs./1000 sq. ft.) for the period May 1 thru August 15, seed with 7 lbs. per acre of creeping proso millet (0.07 lbs./1000 sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Use seed.

Mulching: Apply 14 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Another mulch immediately after application using 210 gallons per acre (9 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

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

STORM WATER MANAGEMENT DATA

DRAINAGE AREA: 1.85 AC ±

SOIL GROUP: B-C (pregraded prior to 1974)

EXISTING RCN: 74

PROPOSED RCN: 95

AREA NOT BEING MANAGED: 0.64 AC ±

2 YEAR UNCONTROLLED RELEASE: 1.67 CFS

10 YEAR UNCONTROLLED RELEASE: 3.30 CFS

100 YEAR UNCONTROLLED RELEASE: 5.18 CFS

EXISTING RELEASE RATES:

2 YEAR: 2.87

10 YEAR: 6.76

100 YEAR: 11.67

ALLOWABLE RELEASE RATES AFTER ROUTING:

2 YEAR = 1.2 W.S. ELEV. = 185.30

10 YEAR = 3.46 W.S. ELEV. = 185.50

100 YEAR = 6.49 W.S. ELEV. = 185.70

MAXIMUM DEPTH OF WATER = 185.70 - 184.75 = 0.95' ±

2 & 10 YEAR SWM REQUIRED

2, 10 & 100 YEAR SWM PROVIDED

WEIR TRASH RACKS

- WEIR TRASH RACK OPENINGS #6 REBAR @ 6" O.C. & PAINT W/NOX CORROSION OR GROUT.
- SLAB THICKNESS SHOWN 4" TOP SLAB AND 12" BOTTOM SLAB.
- REINFORCEMENT IN STRUCTURE SHALL BE AS PER HOWARD COUNTY STD. SPECS. & DETAILS FOR CONSTRUCTION PLANS NO. SD-4.02.
- THIS STRUCTURE SHALL BE CONSTRUCTED OF REINFORCED CONCRETE.

STORMWATER MANAGEMENT MAINTENANCE SCHEDULE

MAINTENANCE ITEM	1	2	3	4
MAINTENANCE FREQUENCY	6	5	6	6
REPAIR DURATION #	7	8	7	7

* ALL MAINTENANCE, INSPECTION, & REPAIR SHALL BE THE RESPONSIBILITY OF THE OWNER.

* INSPECT ALL ABOVE ITEMS AFTER EACH MAJOR RAINFALL & REPAIR IF REQUIRED.

GENERAL NOTES

- Any change to the grading proposed on this plan requires it to be re-submitted to the Soil Conservation District.
- All slopes 2:1 are to be stabilized with "Permanent Slow Seeding" immediately after grading operation (see note #1).
- All other disturbed areas not intended to be paved or receive building coverage shall be stabilized with "Permanent Seeding" (see note #1).
- Any damage to diversion dikes, sediment trap, or other structures during grading operation or utility installation shall be repaired immediately.
- The sediment trap shall be cleaned out when silt deposits reach elevation shown on the plan.
- The sediment basin shall be cleaned out when silt deposits reach elevation shown on the plan.
- No sediment control measure shall be removed without permission from the Sediment Control Inspector.
- Upon installation of storm drains, inlets shall be kept plugged until site is stabilized. Positive drainage must be maintained at all times.
- During the layout of sediment control practices shown herein, minor adjustments can and will be made to ensure the arrest and control of any sediment before it leaves the construction site. These said changes require approval from the Sediment Control Inspector and the Soil Conservation District.
- All site work is to be done in accordance with "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas", APRIL 1988 and this plan of sediment control approved by the Howard County Soil Conservation District and the Department of Public Works.
- At the end of each working day, all sediment control measures will be inspected and left in operational condition.

1. Retained earth fill less than 14 days shall be stabilized with temporary seed and mulch (see note #1).

2. All areas not being paved or receiving building coverage shall be stabilized in accordance with the plan approved by the Howard County Soil Conservation District. Any damage to public rights-of-way and/or adjacent properties shall be repaired immediately at the contractor's expense.

3. The contractor shall maintain at least a 2' wide bench behind all curb and gutter in fill areas.

4. The contractor shall verify all existing utilities to his own satisfaction before starting construction.

5. All slopes shall be 2:1 or flatter.

6. All work shall be done in accordance with Howard County Standard Specifications and Ordinance for Construction, or as shown on these plans.

7. 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".

8. All pipe traps shall be placed on filter cloth.

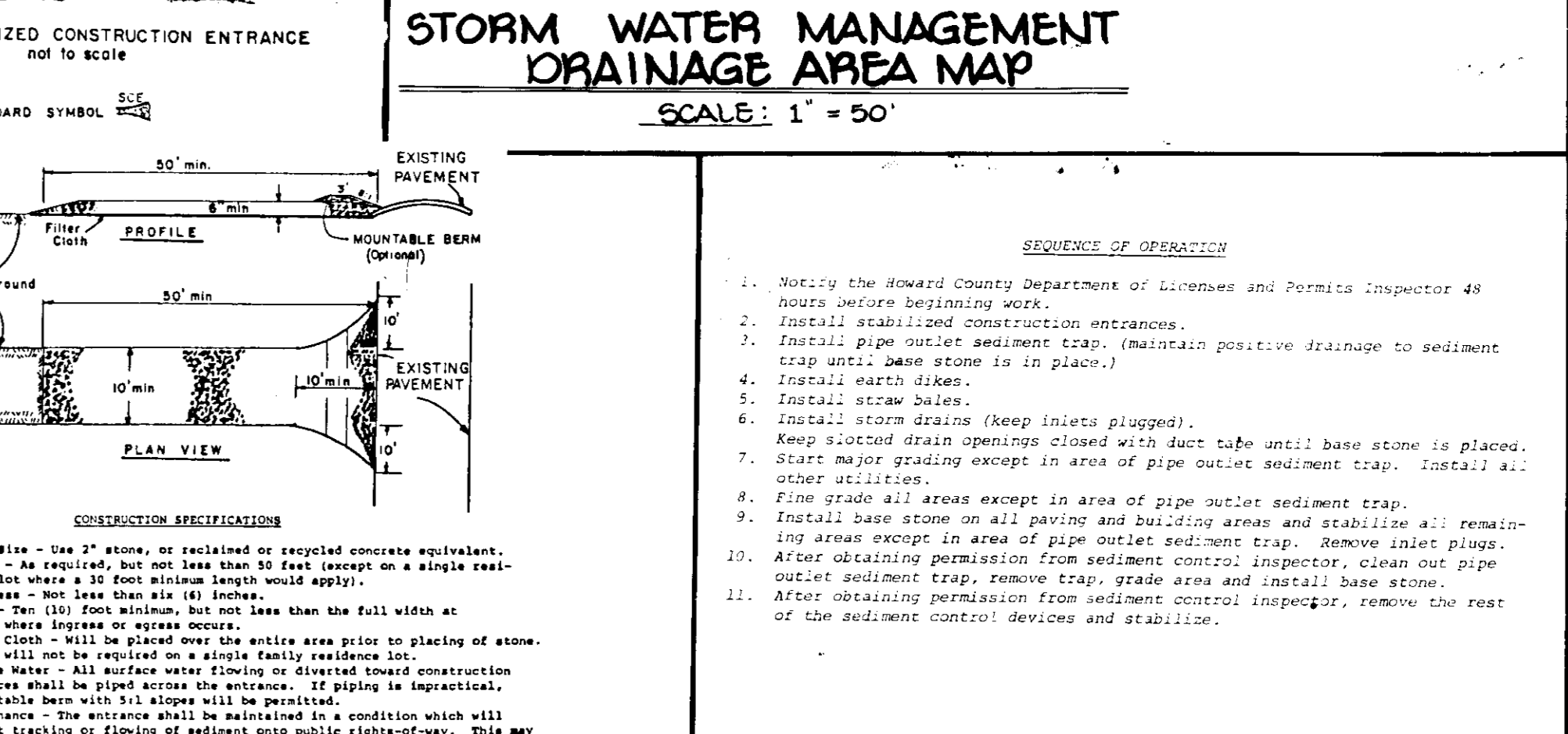
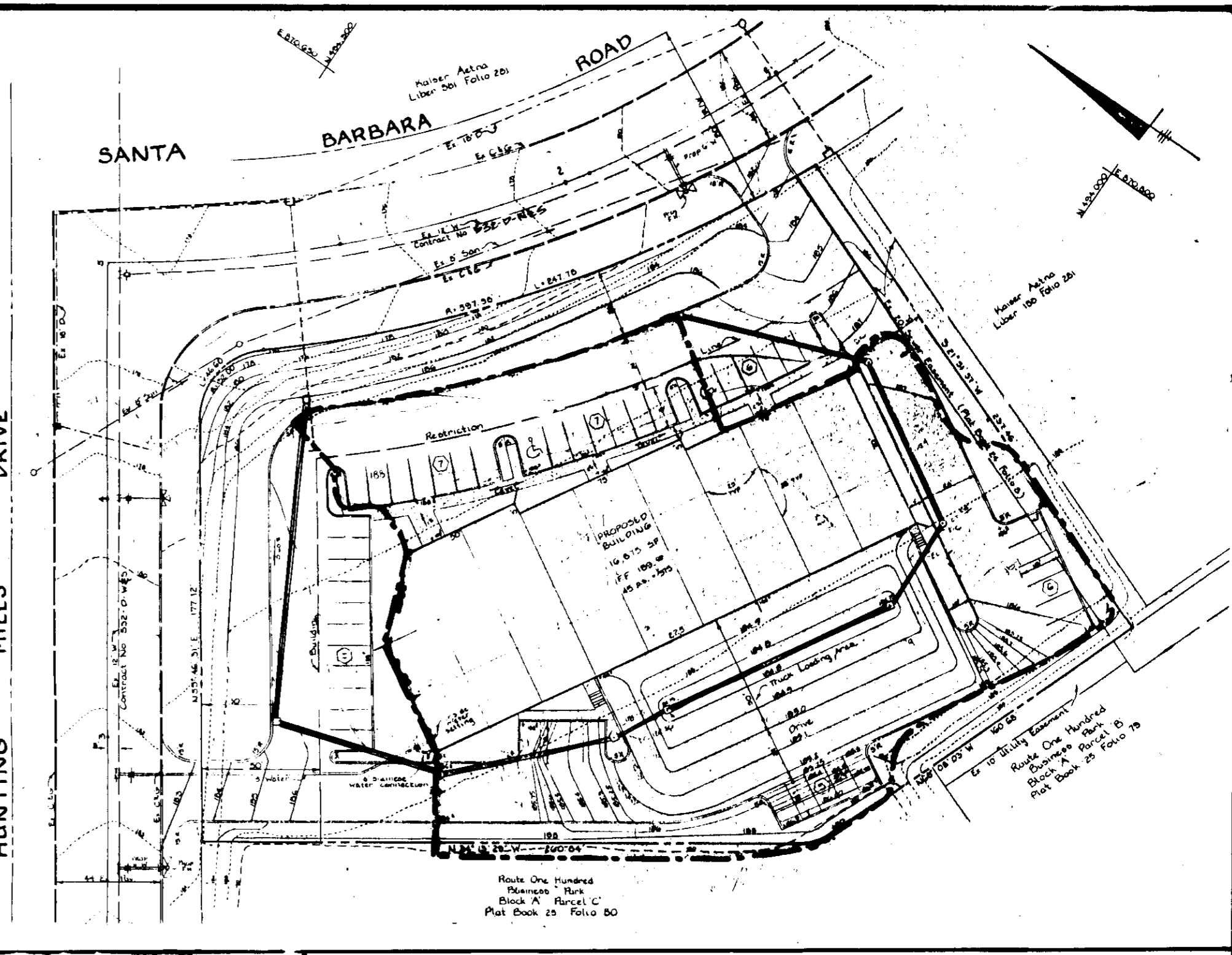
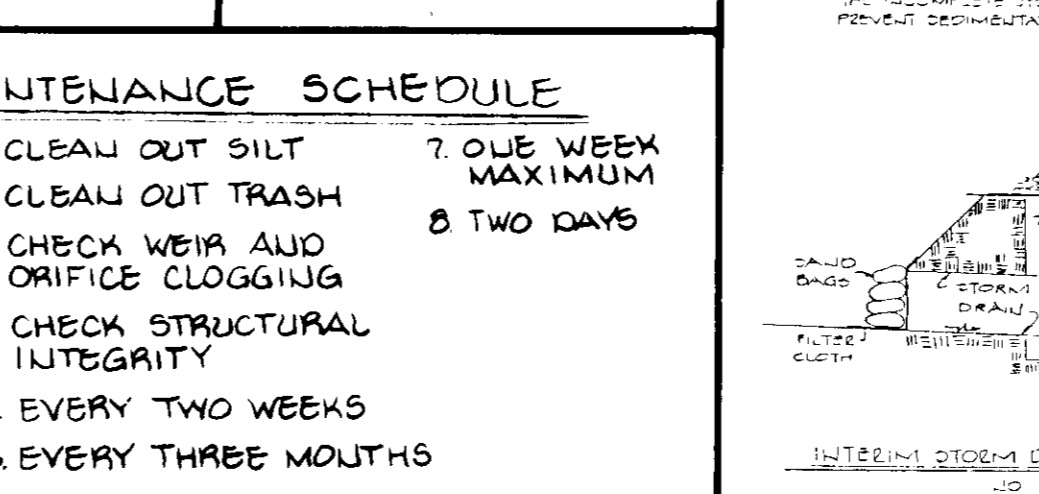
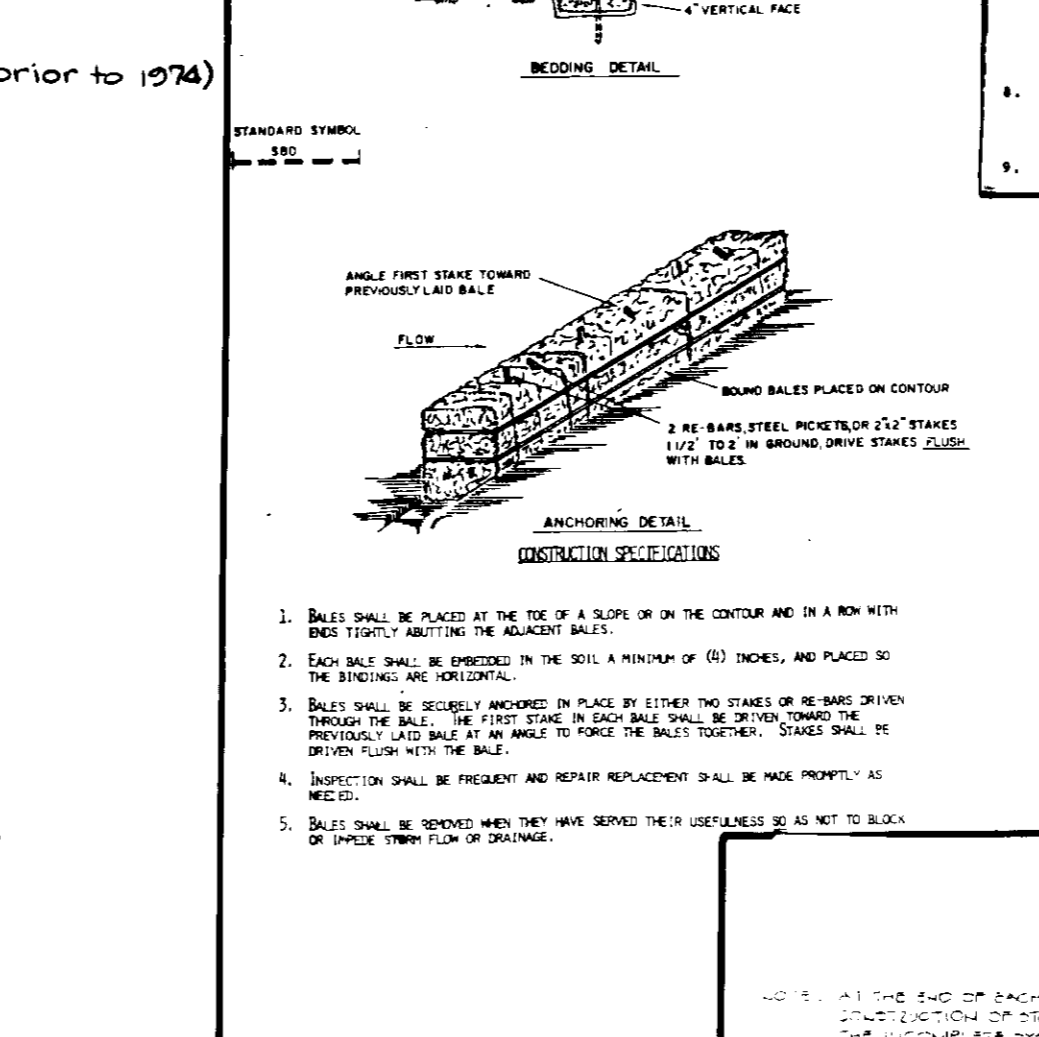
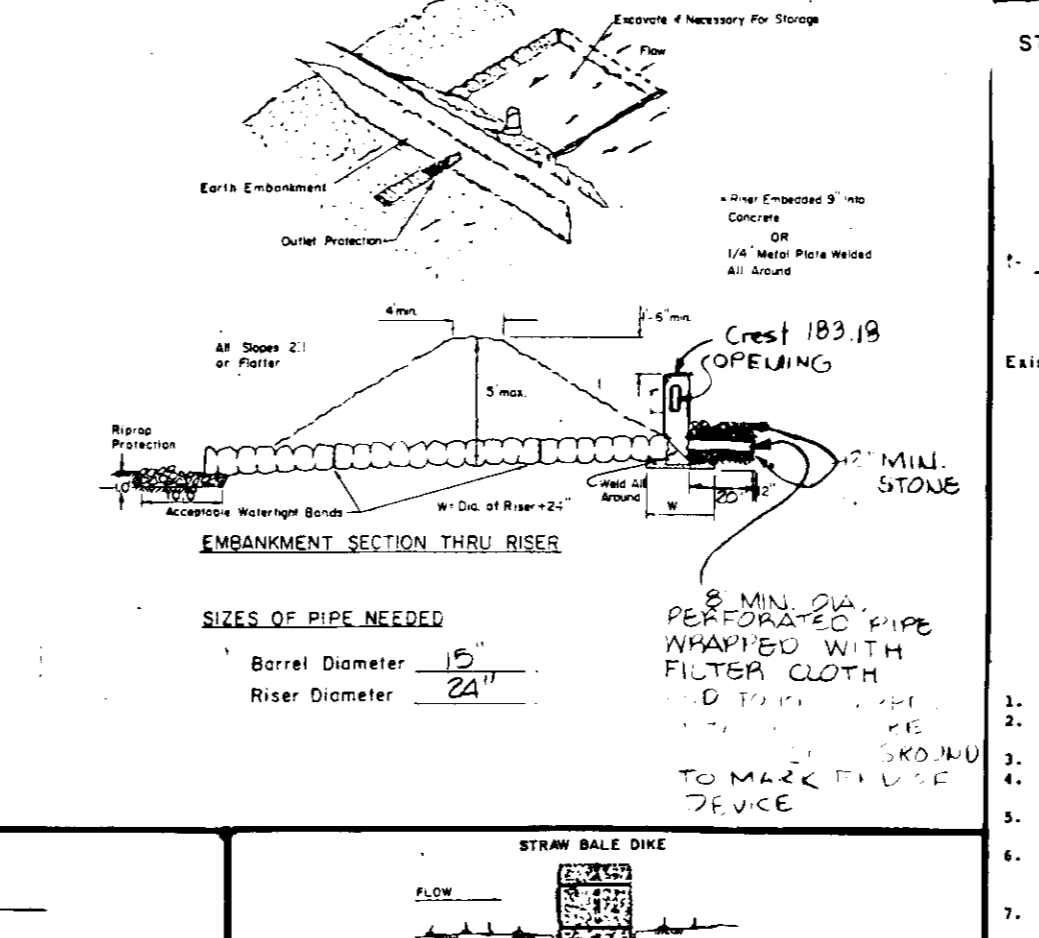
9. The contractor or developer shall contact the Construction Inspection/Survey Division, 24 hours in advance of commencement of work at 992-2472 or 792-7272.

10. The contractor shall remove all existing paving, curb and gutter, etc. that may interfere with proposed construction.

PRELIMINARY INITIAL PERFORMANCE OF EROSION/SEDIMENT CONTROL MEASURES SHALL BE COMPLETED WITHIN 14 DAYS

a. SWIMMING CAPSULES SHALL BE PLACED ON ALL EXISTING UNIMPROVED SLOPES AND ALL OTHER EXPOSED SLOPES.

b. PREVENTION DINGS AS TO ALL SLOPES EXPOSED OR GRABBED AREAS ON THE PROJECT SITE.



SEQUENCE OF OPERATION

- Notify the Howard County Department of Licenses and Permits Inspector 48 hours before beginning work.
- Install stabilized construction entrance.
- Install pipe outlet sediment trap, (maintain positive drainage to sediment trap until base stone is in place).
- Install earth dikes.
- Install storm drains (keep inlets plugged).
- Keep slotted drain openings closed with duct tape until base stone is placed.
- Start major grading except in area of pipe outlet sediment trap. Install all other utilities.
- Final grade all areas except in area of pipe outlet sediment trap.
- Install base stone on all paving and building areas and stabilize all remaining areas except in area of pipe outlet sediment trap. Remove inlet plugs.
- After obtaining permission from sediment control inspector, clean out pipe outlet sediment trap, remove trap, grade area and install base stone.
- After obtaining permission from sediment control inspector, remove the rest of the sediment control devices and stabilize.

CONSTRUCTION SPECIFICATIONS

- Stone Size - Use 2" stone, or recycled concrete equivalent.
- Length - As required, but not less than 40 feet (except on a slope resistance less than 30 feet minimum length would apply).
- Thickness - Not less than 18" (18" minimum).
- Width - Ten (10) foot minimum, but not less than the full width at existing ground level.
- Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will be replaced on a single family residence lot.
- Surface Water - All surface water flowing or diverted toward construction entrance shall be piped around to a single family residence lot.
- Mountable Beam - Will be placed over the entire area prior to placing of stone. Mountable beam with 5/16" diameter bolts will be permitted. All prevent tracking or flowing of sediment onto public right-of-way. This may require positive drainage to a single family residence lot.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require positive drainage to a single family residence lot.
- Washing - Washing shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

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

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

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

APPROVED: *Stephen D. Huber* 8/16/85
U.S. Soil Conservation Service

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

APPROVED: *Stephen D. Huber* 8/16/85
Howard Soil Conservation District

Plan Number

GEORGE WILLIAM STEPHENS JR. AND ASSOCIATES INC
ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD. 21204
(301) 825-8120

ENGINEER'S CERTIFICATE
"I CERTIFY THAT THIS PLAN FOR ROAD CONSTRUCTION, EROSION CONTROL, AND SEDIMENT CONTROL MEASURES HAS BEEN REVIEWED AND APPROVED BY ME AS A PROFESSIONAL ENGINEER. THE SITE CONDITIONS, THIS PLAN, AND THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Stephan D. Huber 8/16/85
ENGINEER (PROBATIONARY) CHARABARTI REG. NO. DATE

OWNER / DEVELOPER
MERRITT
2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

DEVELOPER'S CERTIFICATE
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THESE PLANS WILL HAVE A CERTIFICATE OF TRAINING FROM A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM. I HAVE REVIEWED AND APPROVED THESE PLANS AND I AM NOT PROVIDING ANY OTHER INFORMATION OR DATA THAT WOULD BE NECESSARY TO OBTAIN A PERMIT FROM THE HOWARD SOIL CONSERVATION DISTRICT."

Stephen D. Huber 8/16/85
SIGNATURE OF DEVELOPER (GENERAL MANAGER) DATE

DESIGNED BY: R.H.
DRAWN BY: K.L.B.
CHECKED BY: T.C.

REVISIONS

HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
DATE: 3-19-85
M.H.H.M.

STORMWATER MANAGEMENT & SEDIMENT CONTROL DETAILS FOR PROPOSED OFFICE AND WAREHOUSE ROUTE 100 BUSINESS PARK BLOCK 'A' PARCEL 'E' HOWARD COUNTY, MD. ELECTION DISTRICT #1 SCALE: AS SHOWN
DECEMBER 7, 1984
SDP-85-111

Landscape Specifications

Landscape specifications shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Area". A one-year maintenance and warranty period shall be required.

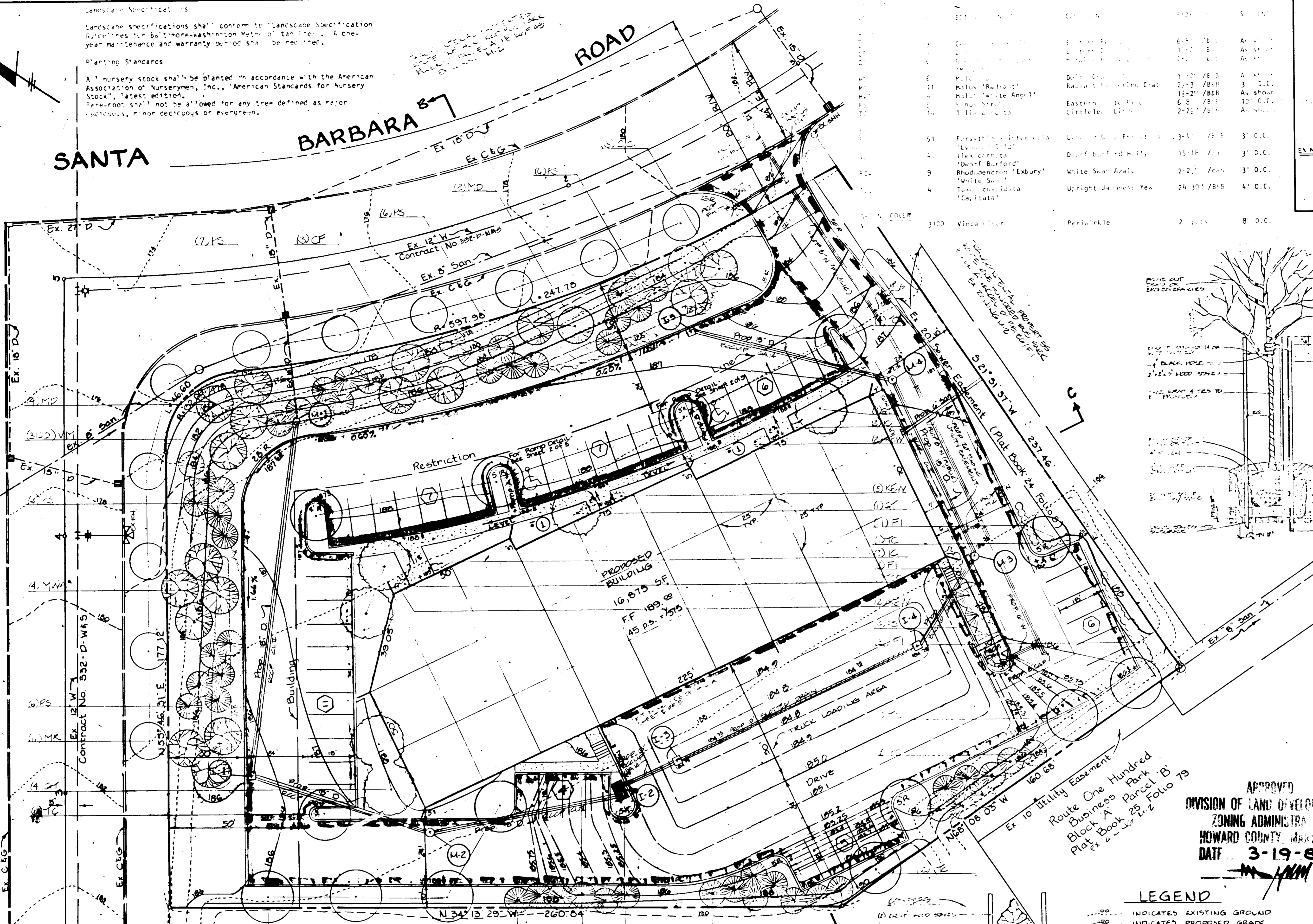
Planting Standards

All nursery stock shall be planted in accordance with the American Association of Nurserymen, Inc., "American Standards for Nursery Stock", latest edition.
 Bare-root shall not be allowed for any tree defined as major specimens, minor deciduous or evergreen.

HUNTING MILLS DRIVE

SANTA BARBARA ROAD

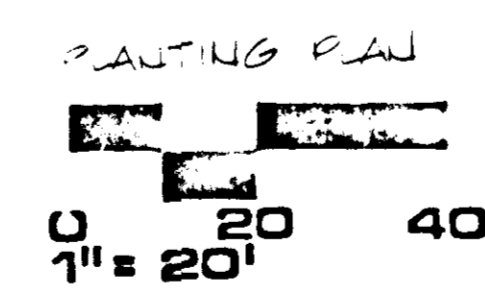
BARBARA ROAD



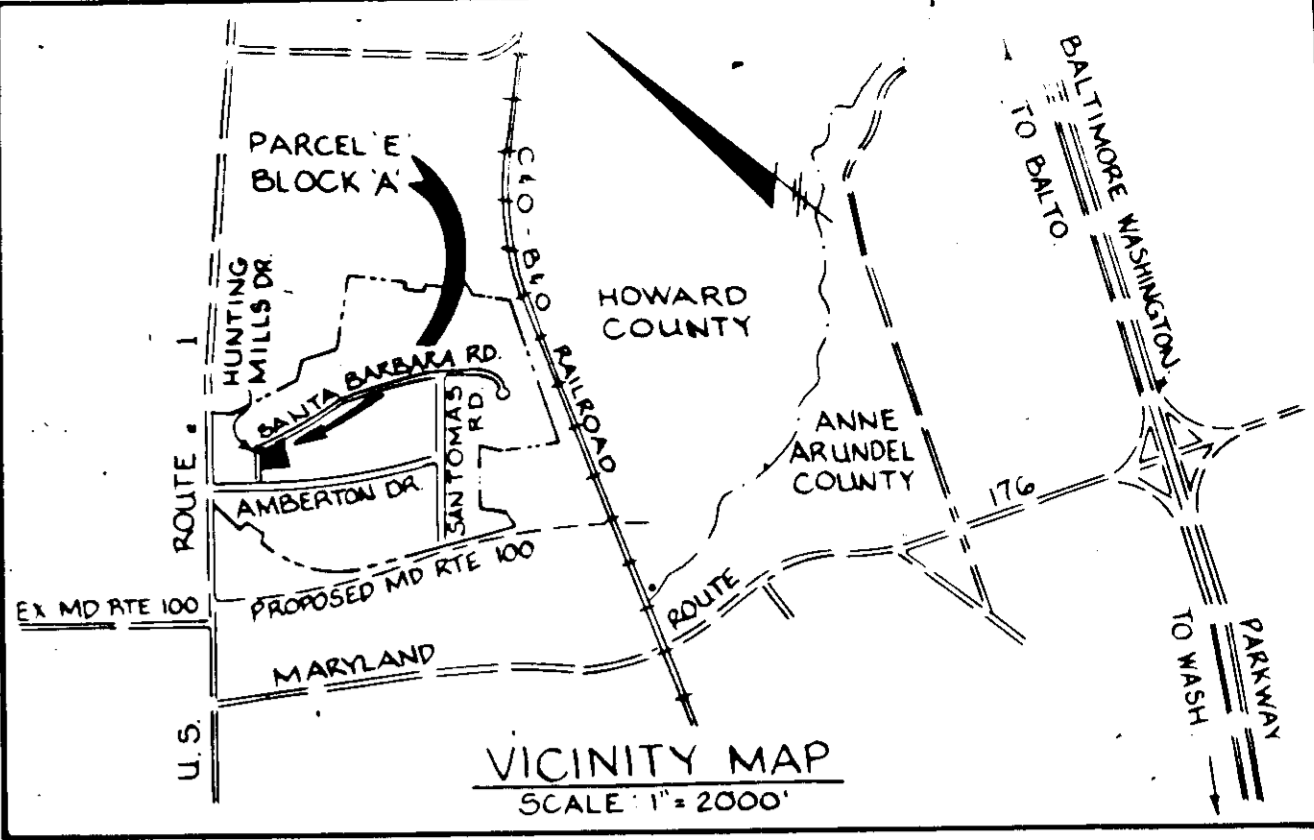
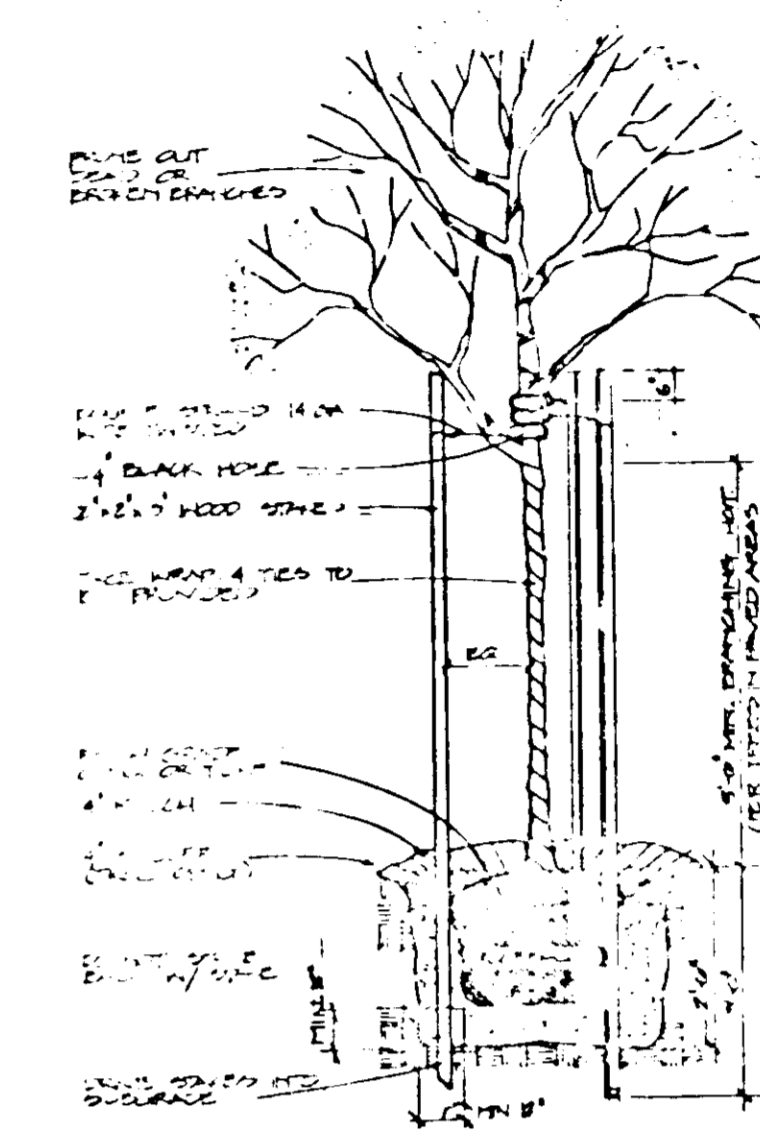
PROPOSED BUILDING
 16,875 SF
 FF 189.88
 45 PS - 7575

Route One Hundred Business Park Block 'A' Parcel 'C' Plat Book 25 Folio 80

- NOTES:
- Plant locations may be field adjusted to avoid utility placements.
 - Shrubs and shrubs shall be trimmed to a maximum of 1/3" beyond the edge of the root ball on all sides.
 - All trees and groundcover masses shall be planted in accordance with the specifications.
 - All wire and non-biodegradable plastic ball ties shall be removed.



NO.	DESCRIPTION	QUANTITY	SIZE	SPACING
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APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: *Joyan...* DATE: 8-30-85

APPROVED - HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: *Thomas...* DATE: 9-3-85

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *William...* DATE: 9-28-85

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS:
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *...* DATE: 9-11-85

CHIEF, BUREAU OF ENGINEERING: *...* DATE: 9-28-85

HOWARD SOIL CONSERVATION DISTRICT
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY *...* DATE: 9-24-85

DISTRICT: *...* DATE: 9-24-85

APPROVED - HOWARD SOIL CONSERVATION DISTRICT
 REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS
 SIGNATURE: *...* DATE: 9-24-85

THE UNITED STATES SOIL CONSERVATION SERVICE

SITE DATA:

AREA OF SITE: 1.85 AC. ±

TOTAL PROPOSED FLOOR AREA: 16,875 SF

EXISTING USE: VACANT

PROPOSED USE: OFFICE / WAREHOUSE

PARKING REQUIRED:

OFFICE: 4,219 SF @ 1 PS/300 SF = 15

WAREHOUSE: 12,656 SF @ 1 PS/500 SF = 26

41 TOTAL PS.

PARKING PROVIDED:

44 STD. @ 5' x 16' W/2' OVERHANG

2 HDOP @ 12' x 18' W/2' OVERHANG

46 TOTAL PS.

FLOOR AREA RATIO: 0.90/1.85 = 22%

PROPERTY REFERENCE: PLATBOOK 26 FOLIO 15

EXISTING ZONING: M-2

% OPEN SPACE: 0.52 AC. @ 0.52/1.85 = 28.1%

% BUILDING COVERAGE: 1.33 AC. @ 1.33/1.85 = 71.9%

AREA TO BE DISTURBED: 1.80 AC. OR 78,400 SF.

AREA TO BE VEGETATIVELY STABILIZED: 0.46 AC. OR 20,038 SF.

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 3-19-85

LEGEND

- INDICATES EXISTING GROUND
- INDICATES PROPOSED GRADE
- INDICATES EX. STORM DRAIN
- INDICATES PROPOSED STORM DRAIN
- INDICATES EXISTING WATER
- INDICATES PROPOSED WATER
- INDICATES EXISTING SEWER
- INDICATES PROPOSED SEWER
- INDICATES PARKING SPACE FOR HDOP
- TYPE 'A' PAVING SECTION
- TYPE 'D' PAVING SECTION
- ① INDICATES SIGN (See Detail Sheet 2 of 5)
- ② INDICATES NO. OF PARKING SPACES

STATE OF MARYLAND
 BOARD OF PROFESSIONAL LANDSCAPE ARCHITECTS
 WILLIAM F. KIRWIN, INC.
 Land Planning / Landscape Architecture
 Team Design Concepts
 281 Sussananna Ave Suite 2 Towson MD 21284
 Phone: 410-331-1315

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
PARCEL 'E'	447 SANTA BARBARA RD

SUBDIVISION	NAME	SECT./AREA	LOT/PARCEL #
ROUTE 100 BUSINESS PARK			'E'

PLAT # OR LIF	BLOCK #	ZONE	TAXI ZONE	ELECT. MAP	ELECT. DIST.	CENSUS TRACT
26/15	LA	M-2	37		1-2	10-2

GEORGE WILLIAM STEPHENS JR. AND ASSOCIATES INC
 ENGINEERS
 303 ALLEGHENY AVE. TOWSON, MD. 21284
 (301) 825-8120

ENGINEER: TAPDRATA CHAKRADARTI REG. NO. DATE

MERRITT
 2066 Lord Baltimore Drive
 Baltimore, Maryland 21207
 (301) 298-2600

DESIGNED BY: P.C.
 DRAWN BY: K.B.
 CHECKED BY: P.R.C.
 REVISIONS:

12/18/84
 DATE

FOR
 PROPOSED OFFICE AND WAREHOUSE
 ROUTE 100 BUSINESS PARK
 BLOCK 'A' PARCEL 'E'
 HOWARD COUNTY, MD. ELECTION DISTRICT '1'
 SCALE: 1" = 20'
 PL. 288 SHEET 5 OF 5
 DECEMBER 17, 1984

SOP-85-111