

SITE PLAN

SHIMADZU SCIENTIFIC INSTRUMENTS INC. EXPANSION

RIVERS CORPORATE PARK

SECTION 1, AREA 1, PHASE 1, PARCEL 'B'

PLAT NUMBER 5077, DATED 12-18-81

6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TAX MAP 41 AND 42 PARCELS 5, 29 AND 236

SCALE: 1" = 50' DATE: 4-12-84

SITE ANALYSIS:

AREA OF PARCEL: 9.8892 AC. 430,733.55 S.F.
 PRESENT ZONING: NEW TOWN FDP-184-A INDUSTRIAL
 FLOOR SPACE: 20,000 S.F. EX. - 40,120 S.F. PROPOSED ADDITION
 EMPLOYEES: 20 INDUSTRIAL
 NUMBER OF PARKING SPACES REQUIRED: (TOTAL) 64
 NUMBER OF PARKING SPACES PROVIDED: 87
 HANDICAPPED PARKING SPACES PROVIDED: 4

GENERAL NOTES:

- TOTAL BUILDING COVERAGE PROPOSED 60/20 sq. ft. and 14 percent.
 BUILDING USE:
 *OFFICE: 11,250 S.F. EX. - 15,495 S.F. PROPOSED ADDITION
 *ASSEMBLY AREA: 3,750 S.F. EX. - 11,875 S.F. PROPOSED ADDITION
 *STORAGE: 5,000 S.F. EX. 10,250 S.F. PROPOSED ADDITION
 *GARAGE: 2,500 S.F. PROPOSED
 *BUILDING COVERAGE: 20,000 S.F. EX. - 40,120 PROPOSED ADDITION
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV, "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION."
- EXTERIOR LIGHT STANDARD SHALL BE - "GARDCO FORM TEN H", POLE HEIGHT: 15'. FINISH: DARK BRONZE ANODIZE, OR EQUAL.
- ALL PAVEMENT AREAS SHALL HAVE CONCRETE CURBS. SEE LEGEND AND DETAILS FOR TYPE OF CURB.
- THE CONTRACTOR OR DEVELOPER SHALL NOTIFY THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK, AT 992-2418.

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

John F. Nummy DIRECTOR 10-23-85 DATE

William B. King CHIEF, BUREAU OF ENGINEERING 10-23-85 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

Joseph Byler COUNTY HEALTH OFFICER 10-29-85 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

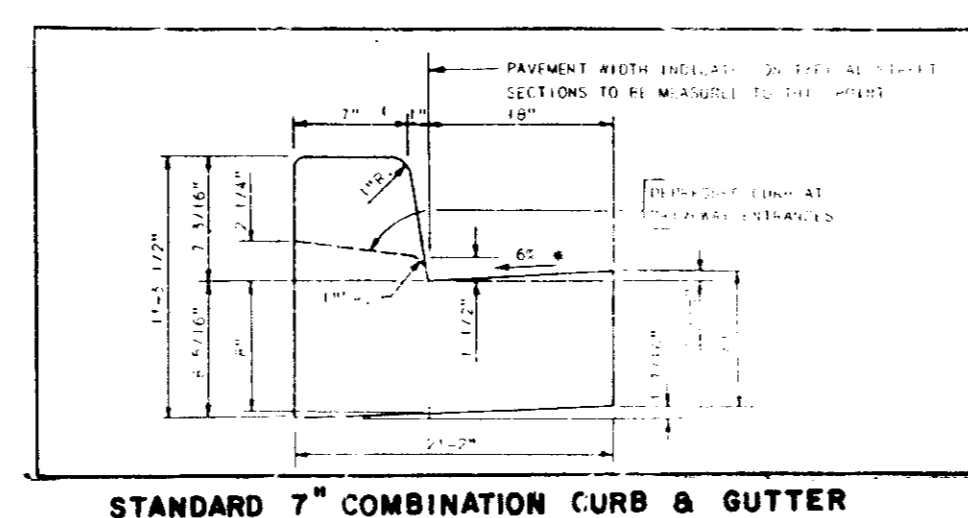
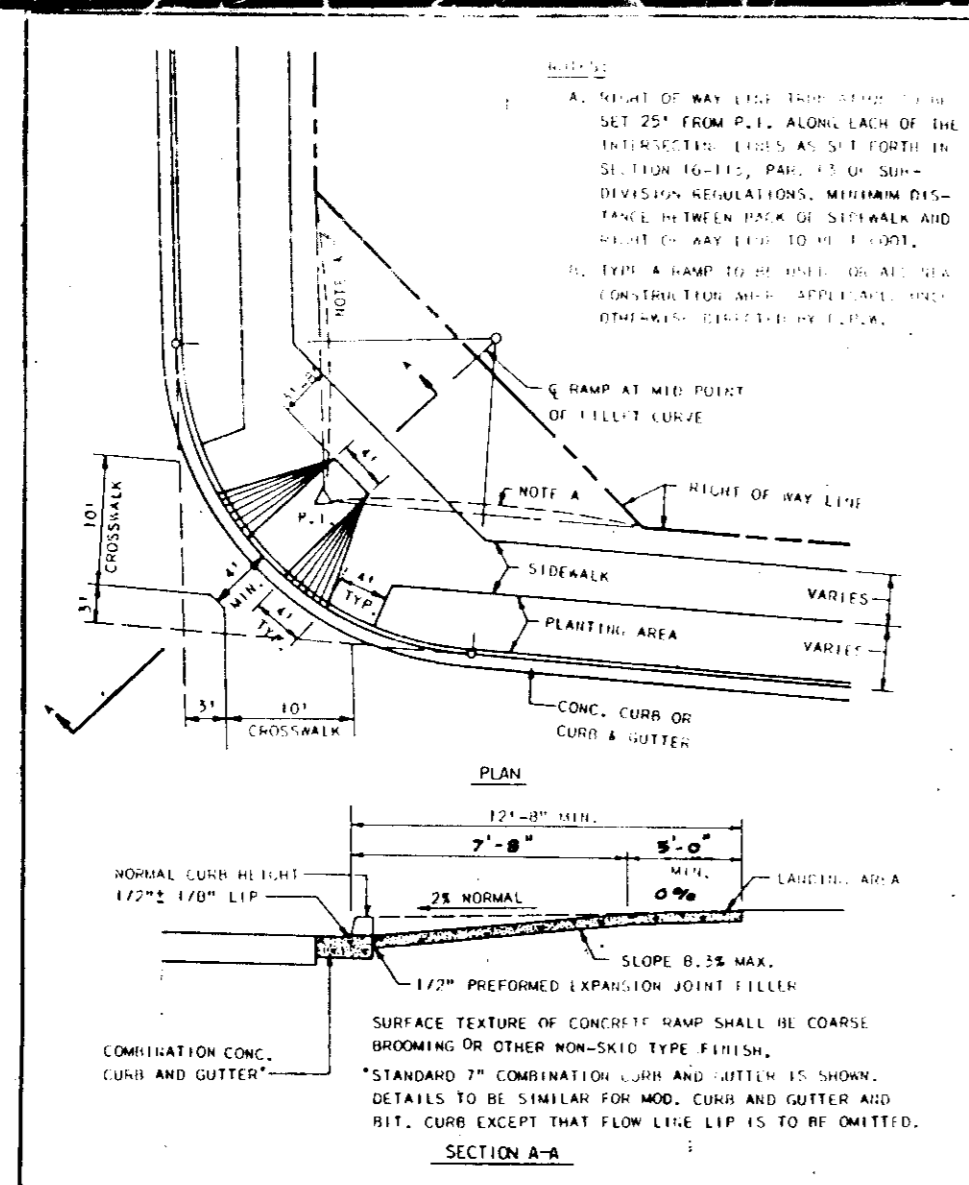
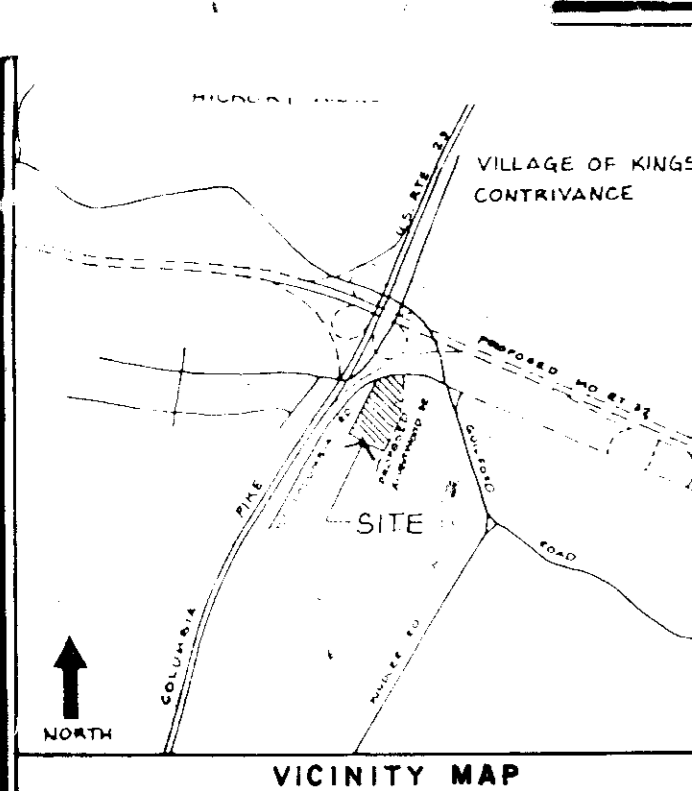
James G. Harris PLANNING DIRECTOR 10-30-85 DATE

John M. Murchman CHIEF, DIVISION OF LAND DEVELOPMENT & ZONE ADMIN. 10-30-85 DATE

INDEX OF DRAWINGS

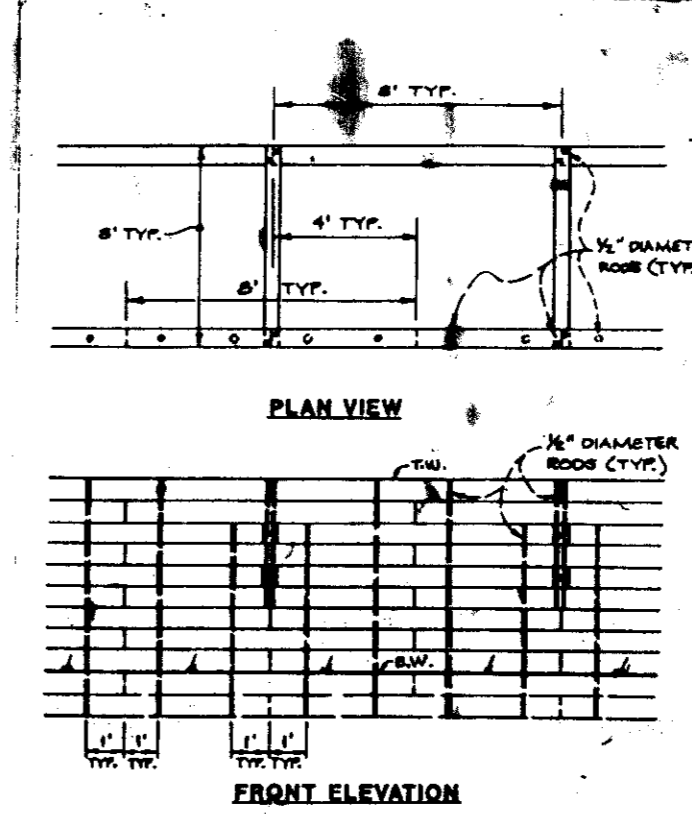
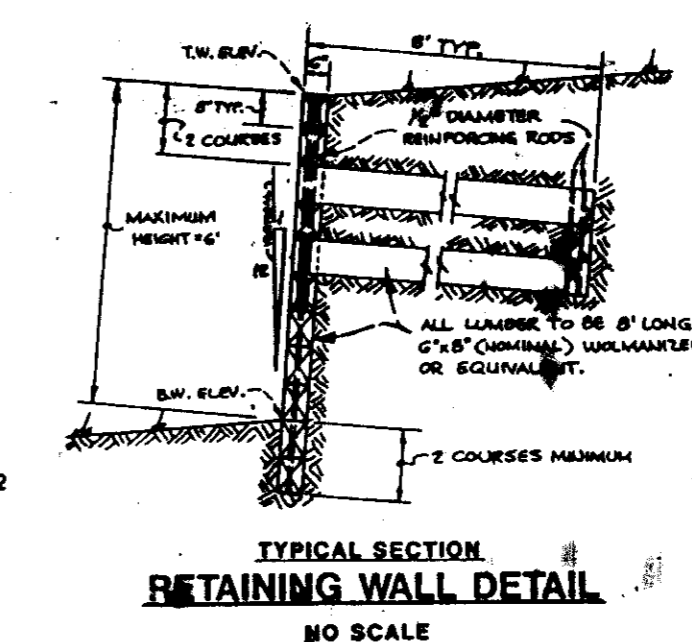
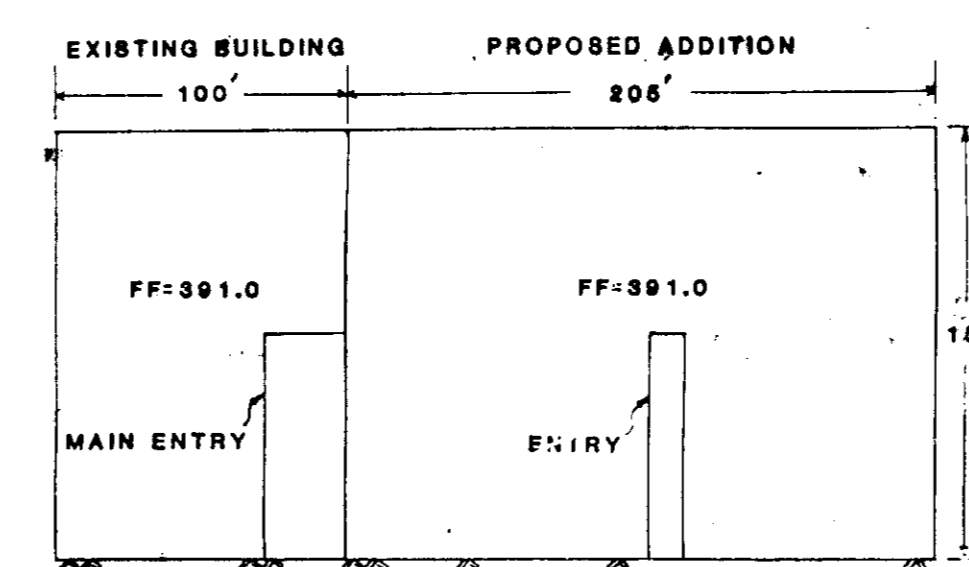
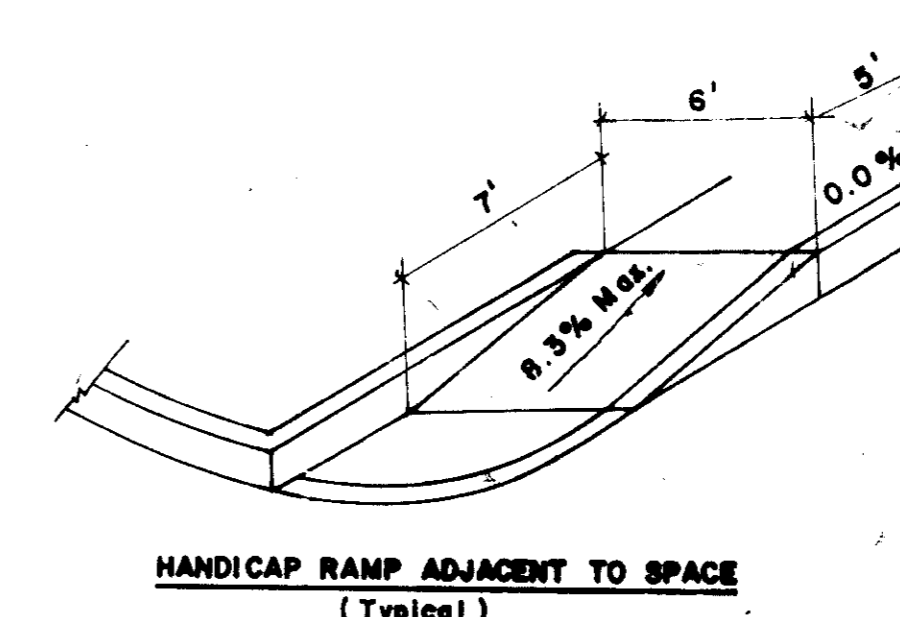
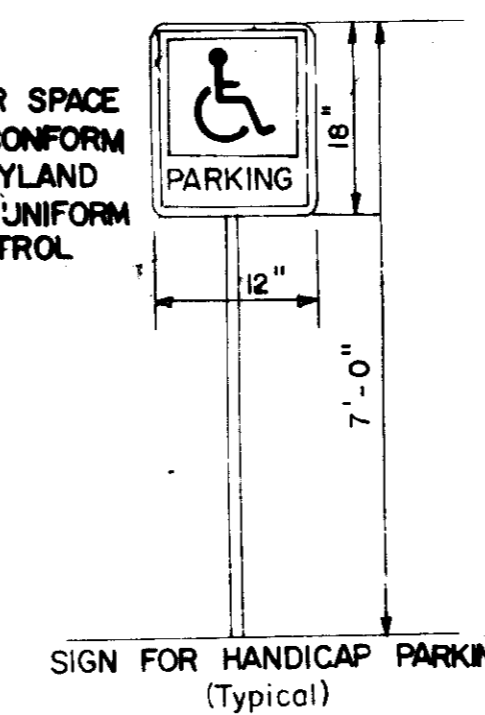
NO.	TITLE
1 OF 7	SITE PLAN
2 OF 7	LANDSCAPE PLAN
3 OF 7	STORM DRAINAGE & STORM WATER MANAGEMENT PLAN
4 OF 7	SEDIMENT CONTROL PLAN
5 OF 7	SEDIMENT CONTROL DETAILS
6 OF 7	PLAN AND PROFILE WATER AND SEWER

SHEET 1 OF 5 BUILDING ADDITION TO SDP-82-92C

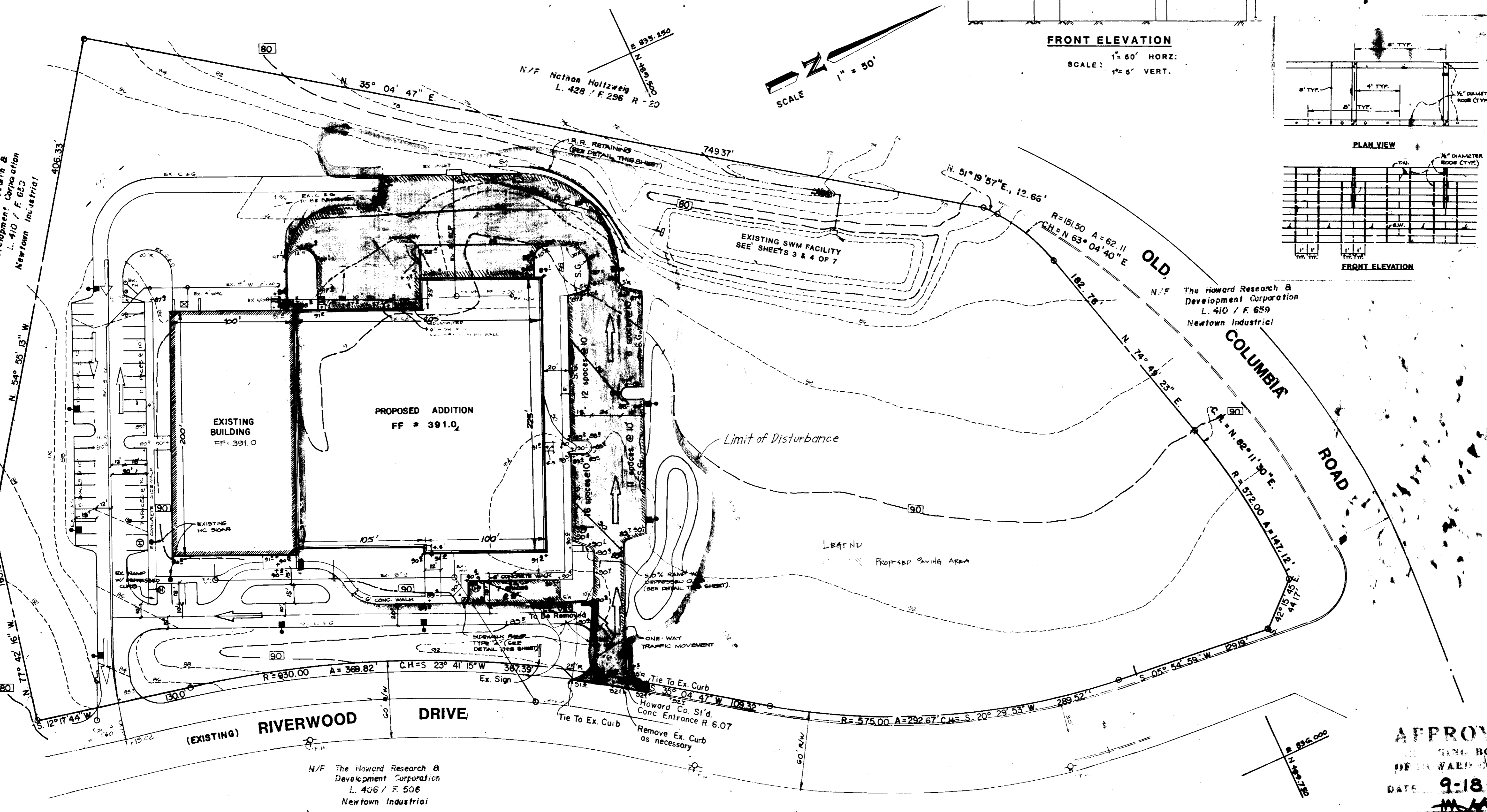


SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR BASE ALTERNATES
P-2	RESIDENTIAL ZONES, LOCAL OR OF TRACYS, ALLEYS AND PRIVATE ROADS SERVING INDIVIDUAL PARKING AREAS, APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH NO MORE THAN 10 HEAVY TRUCKS PER DAY	1 1/2\"/>	

NOTE: ONE SIGN PER SPACE AND SHALL CONFORM TO THE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.



NOTE: ALL RADII SHALL BE FIVE (5) FEET UNLESS OTHERWISE SHOWN.

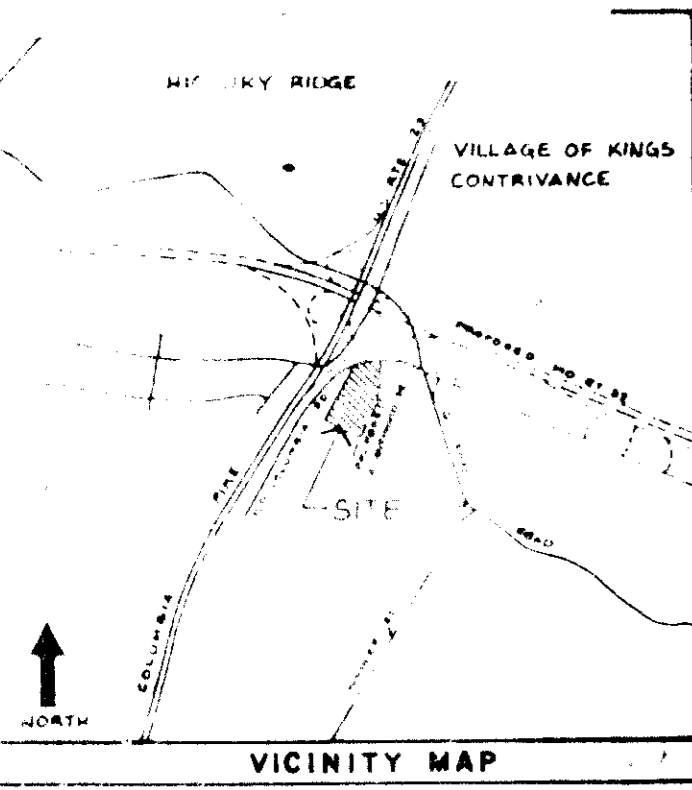


LEGEND:
 CONTOUR INTERVAL: 2'
 EXISTING CONTOURS: 388
 PROPOSED CONTOURS: 392
 HOWARD CO. STD. CURB & GUTTER: C & G
 EXTERIOR LIGHT STANDARD: S.G. - SPILLGUTTER
 HANDICAPPED PARKING: (wheelchair symbol)

SUBDIVISION NAME RIVERS CORPORATE PARK		SECT./AREA 1/1	HOWARD PARCEL # Parcel B
PLAT # OR L.P. 5077	BLOCK # 6	TAX/ZONE MAP # 41	ELEC. DIST. CENSUS TR. 6 6062
WATER CODE		SEWER CODE	
Parcel B		7102 RIVERWOOD DRIVE	

DESIGN R. L.	APPROVED
DRAFT CSP	DATE
DATE	SCALE 1" = 80'
OWNER & DEVELOPER: SHIMADZU SCIENTIFIC INSTRUMENTS, INC. 7102 RIVERWOOD DRIVE COLUMBIA, MARYLAND 21046	

Johnson, Mirmiran and Thompson, P.A.
 PLANNERS ENGINEERS LANDSCAPE ARCHITECTS SURVEYORS
 1751 ELTON ROAD SILVER SPRING, MARYLAND 20993
 FAIRFAX, VA BALTIMORE, MD ANNAPOLIS, MD YORK, PA



PLANT SCHEDULE

KEY QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	DATE	PROPOSED	PLANTED
<u>SHADE TREES</u>							
10	ACER FRAXINUS	FRAXINUS	2 1/2"	B+D	10/13	13	108
10	QUERCUS PRINCEPS	WHITE OAK	2 1/2"	B+D	10/13	11	
10	QUERCUS ALBA	WHITE OAK	2 1/2"	B+D	10/13	24	
<u>FLOWERING TREES</u>							
15	QUERCUS ROBUR	RED OAK	2 1/2"	B+D	10/13	8	
14	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	2 1/2"	B+D	10/13	10	
14	MAGNOLIA SPICATA	SPECIATED MAGNOLIA	2 1/2"	B+D	10/13	7	
4	PRUNUS SPONTANEA	WILD CHERRY	2 1/2"	B+D	10/13	4	
						20	23
<u>EVERGREENS</u>							
10	YUCCA GLAUCA	SPAGAN YUCCA	2 1/2"	B+D	10/13	1	
11	PIRUS SPINOSA	WHITE PINE	2 1/2"	B+D	10/13	1	
11	PIRUS THURBERGII	JAPANESE SPINE PINE	2 1/2"	B+D	10/13	1	
1	PIRUS GYMNOCARPA	DAWKINSON PINE	2 1/2"	B+D	10/13	1	
						20	11
							Total: 155

SHIMADZU SCIENTIFIC INSTRUMENTS, INC.

LANDSCAPE PLAN

SHIMADZU SCIENTIFIC INSTRUMENTS INC. EXPANSION
RIVERS CORPORATE PARK

SECTION 1, AREA 1, PHASE 1, PARCEL 'B'
 PLAT NUMBER 5077. DATED 12-18-81
 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 TAX MAP 41 AND 42 PARCELS 5, 29 AND 236
 SCALE: 1" = 50' DATE: 4-12-84

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Wm. F. Nunn
 DIRECTOR DATE: 10-23-85

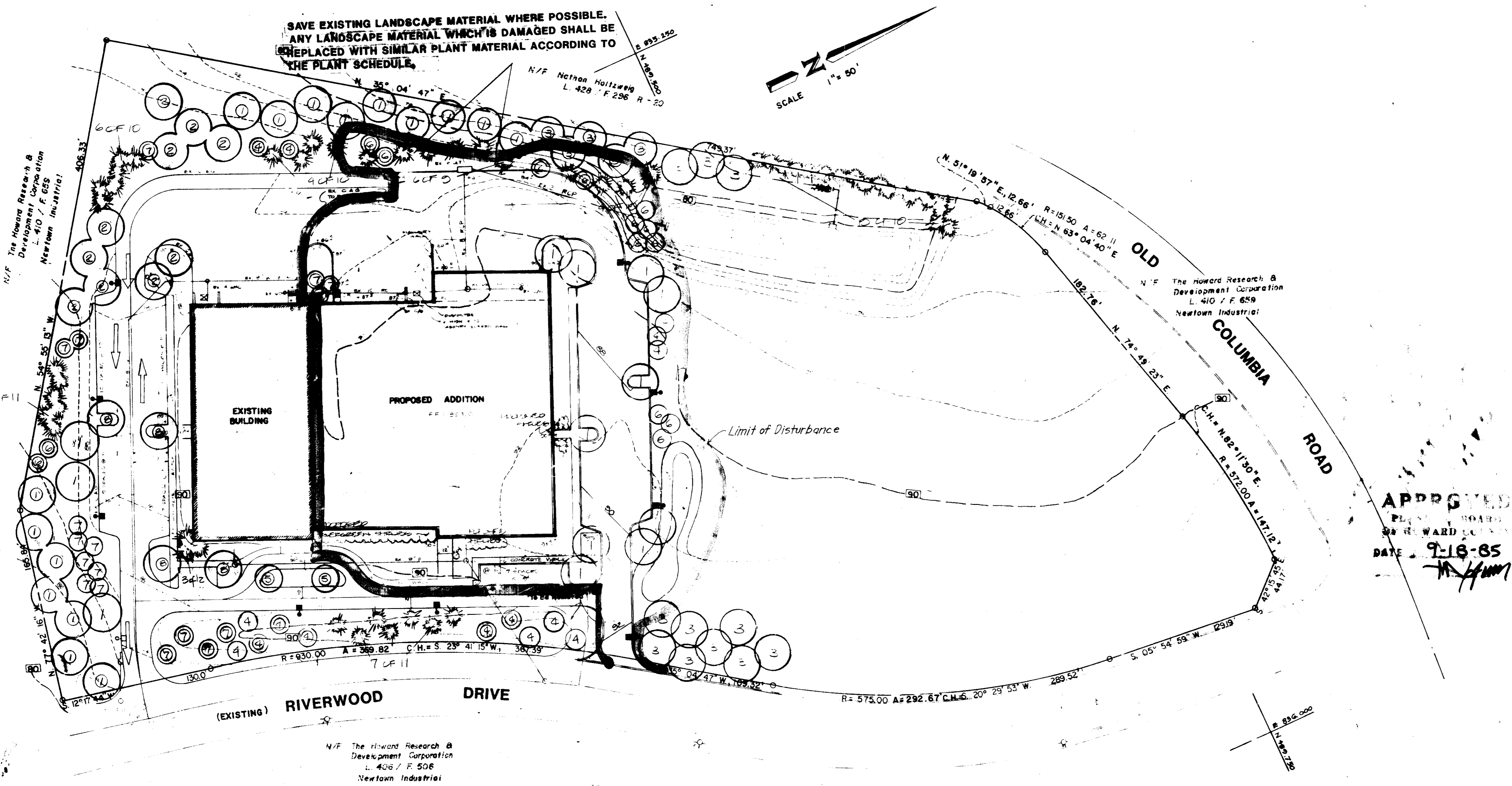
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT
Joseph L. Baker
 COUNTY HEALTH OFFICER DATE: 10-29-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING BOARD
 HOWARD COUNTY
 DATE: 10-30-85

John W. Murrain
 CHIEF, DIVISION OF LAND DEVELOPMENT & ZONE ADMIN. DATE: 10-30-85



APPROVED

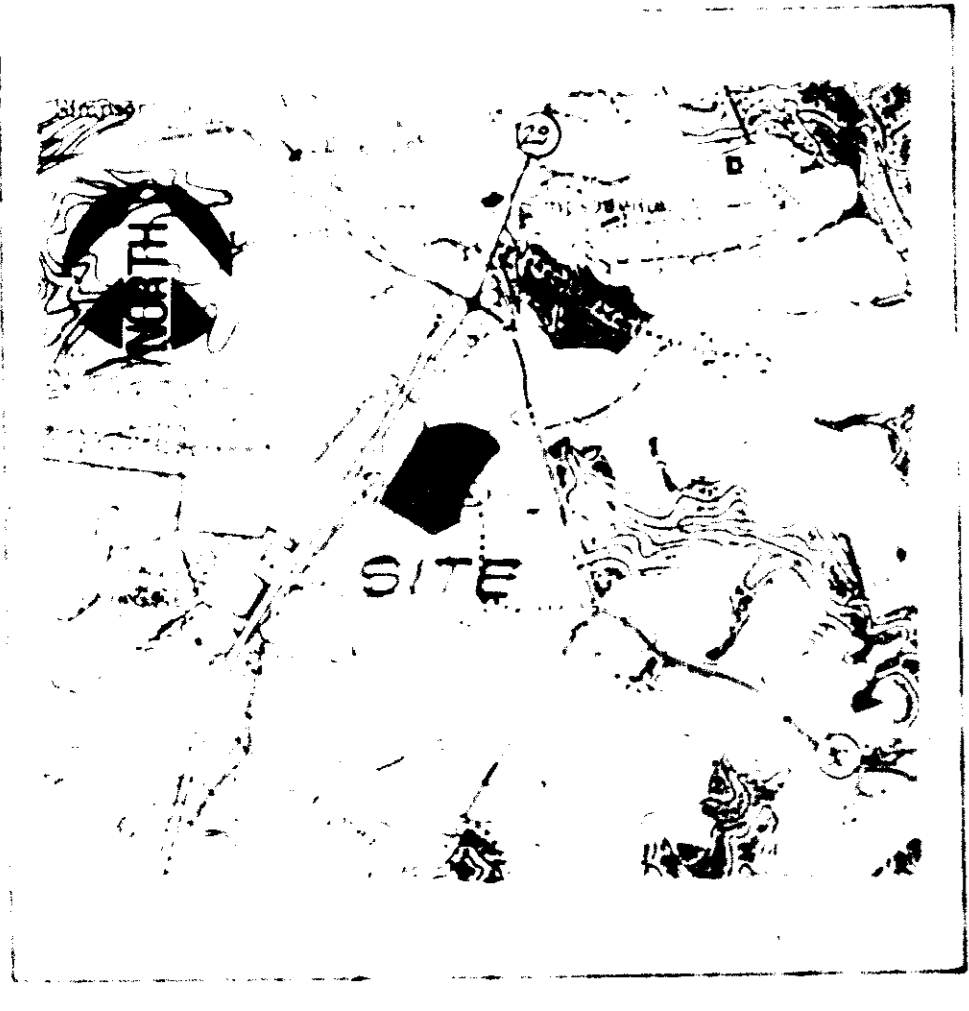
PLANNING BOARD
 HOWARD COUNTY
 DATE: 9-18-85

DESIGN R.L.	REVISIONS:
DRAFT CSP	1. 10-23-85
APPROVED	
DATE	OWNER & DEVELOPER:
SCALE 1" = 50'	SHIMADZU SCIENTIFIC INSTRUMENTS, INC.
	7102 RIVERWOOD DRIVE
	RIVERS CORPORATE PARK
	COLUMBIA, MARYLAND 21046

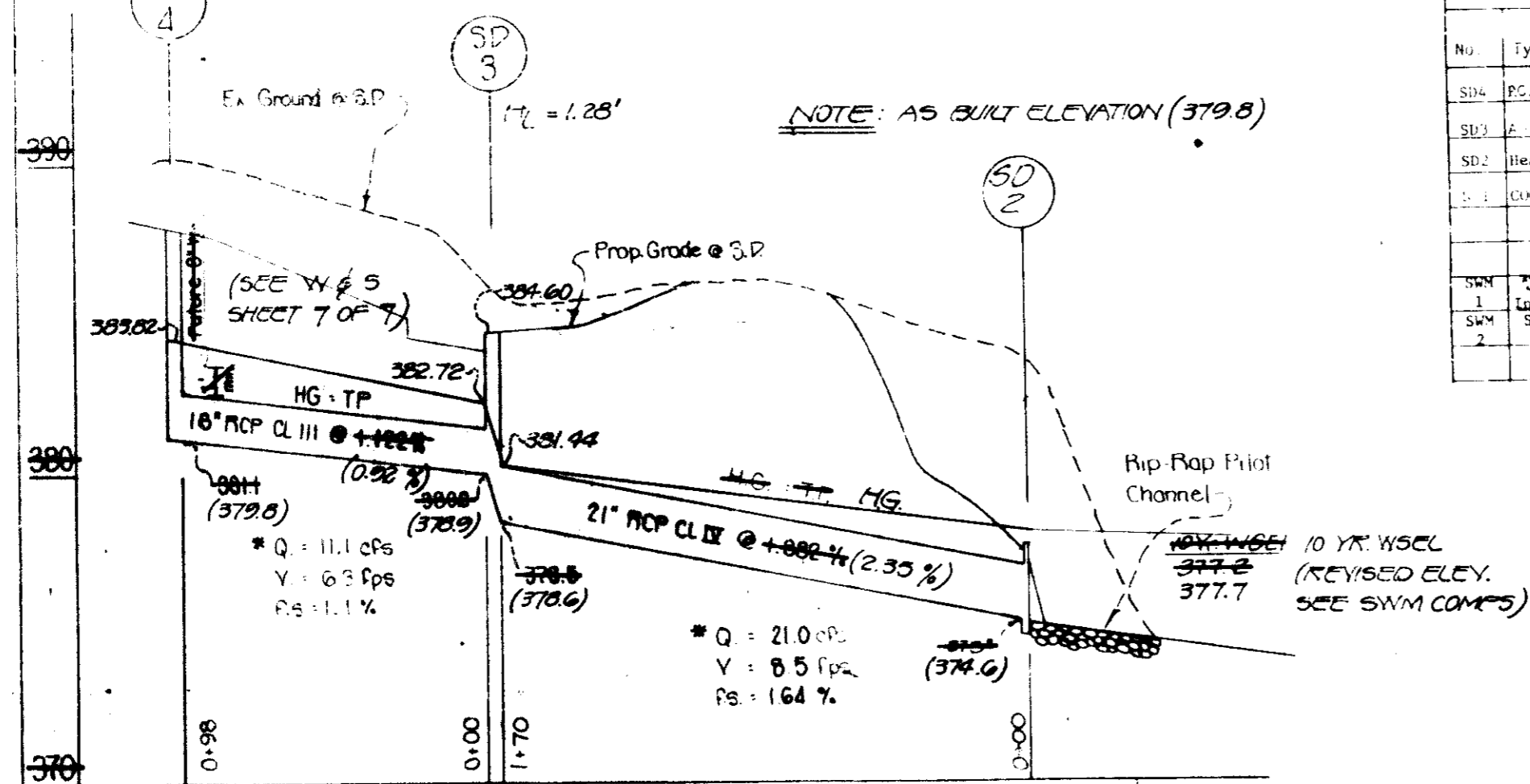
SHEET 2 OF 5 BUILDING ADDITION TO SDP-82-92C

JM Johnson, Mirmiran and Thompson, P.A.
 PLANNERS ENGINEERS LANDSCAPE ARCHITECTS SURVEYORS
 1751 ELTON ROAD • SILVER SPRING, MARYLAND • JPM
 FAIRFAX, VA BALTIMORE, MD ANNAPOLIS, MD

SDP-86-03c



STORM DRAINAGE DATA (EXISTING)



STRUCTURE SCHEDULE					
No.	Type	Material	Length	Remarks	Notes
SD 1	18" RCP	CL III	100'	Headwater: 379.8	See SD 2
SD 2	21" RCP	CL III	100'	Headwater: 379.8	See SD 3
SD 3	18" RCP	CL III	100'	Headwater: 379.8	See SD 4

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature]
 DATE: 10-20-85

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 CHIEF, PUBLIC HEALTH OFFICE: [Signature]
 DATE: 10-21-85

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: [Signature]
 CHIEF, DIVISION OF LAND DEVELOPMENT & ZONE ADMIN.: [Signature]
 DATE: 10-23-85

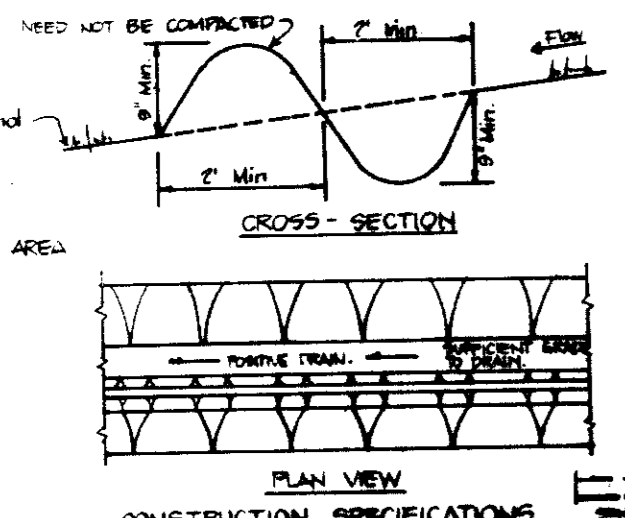
APPROVED PLANNING BOARD OF HOWARD COUNTY
 9-18-85
 [Signature]

"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 Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an 'as-built' plan of the pond within 30 days of completion."

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

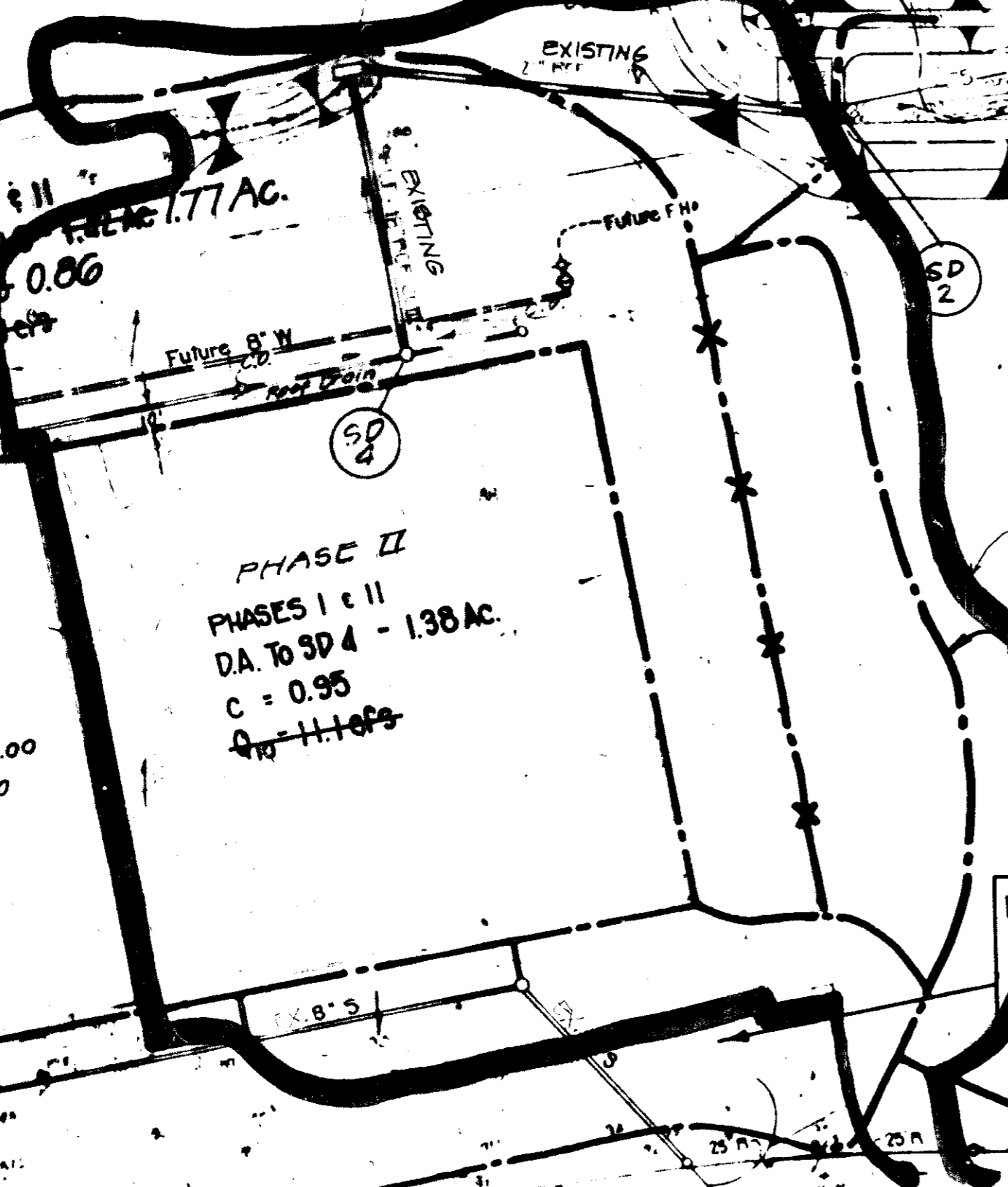
These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

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

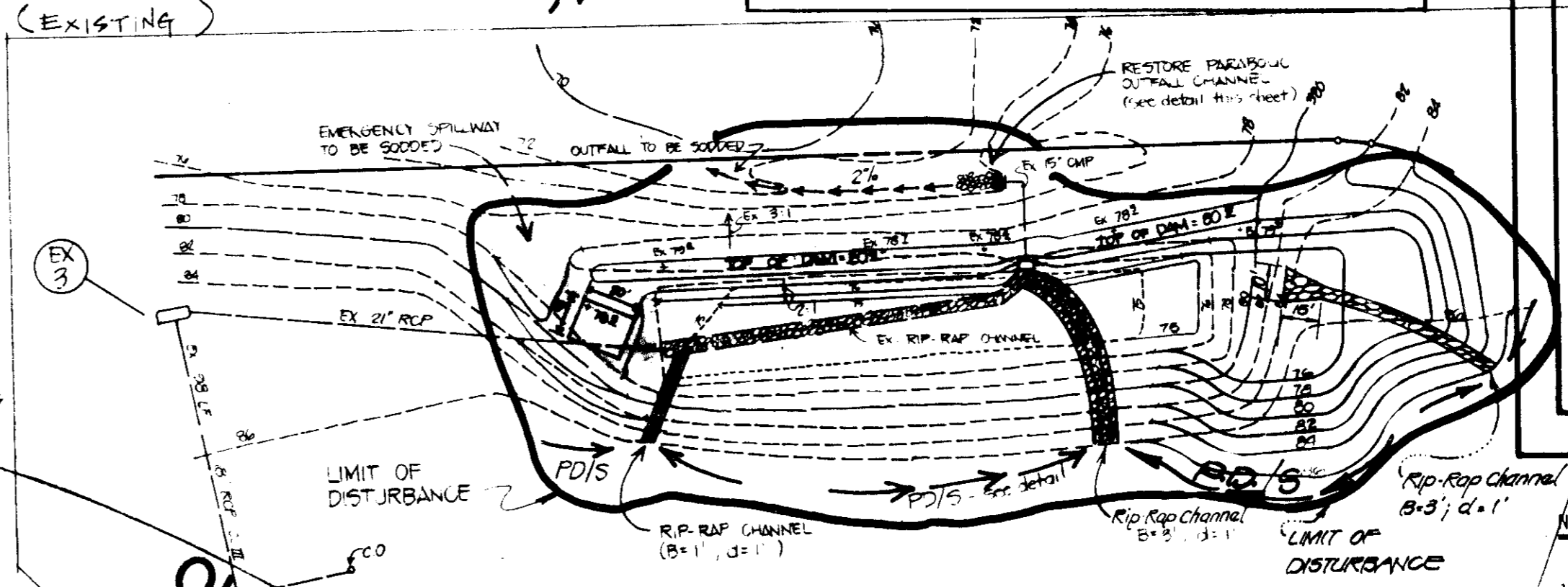


- CONSTRUCTION SPECIFICATIONS**
1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED ROUTING FROM TO AN OUTLET.
 2. DIVERTED RUN-OFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
 3. DIVERTED RUN-OFF FROM AN UNDISTURBED AREA SHALL CARRY AN UNDISTURBED STABILIZED AREA OF NON-EROSION VELOCITY.
 4. THE SWALE SHALL BE EXCAVATED OR SHOWN TO LINE GRADE AND CONSTRUCTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
 5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE/SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND REVEGETATION FOR SEEDS & STRAIN MATCH AND SHALL BE DONE WITHIN 10 DAYS.
 6. PERIODIC INSPECTION & REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

PERIMETER DIKE/SWALE
(NO SCALE)



NOTE: SEE SHEET 4 OF 7 FOR REVISED POND GRADING



SEQUENCE OF RECONSTRUCTION

1. CLEARLY GROUND WHERE SHOWN AND REGRADE POND AS SHOWN ON THIS SHEET ALSO RAISE FRONT & SIDE WALLS OF RIVER AS SHOWN. 1 WEEK
2. RESTORE RIP-RAP OUTFALL CHANNEL & BERM. 1 DAY
3. SOO EMERGENCY RUN-WAY, INSTALL RIP-RAP CHANNELS AND PD'S AS SHOWN. 2 DAYS
4. PERMANENTLY STABILIZE REMAINING OF DISTURBED AREA IN ACCORDANCE WITH SECTION 59 OF STANDARD & SPEC'S FOR SOIL EROSION & SED. CONTROL. 2 DAYS

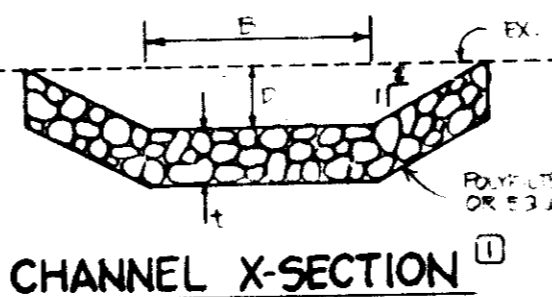
- NOTES:**
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS & SPECIFICATIONS.
 2. EXISTING UTILITIES SHOWN HAVE BEEN TAKEN FROM RECORD SUPPLIED BY HOWARD RESEARCH & DEVELOPMENT, LINDSEY, MIRMIRAN & THOMPSON ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY.
 3. ALL CONCRETE PIPE TO BE CLASS III UNLESS OTHERWISE SPECIFIED.
 4. ALL CONCRETE STRUCTURES SHALL BE CLASS "A" CONCRETE.
 5. THE CONTRACTOR OR DEVELOPER SHALL NOTIFY THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK, AT 992-2417 OR 992-2419.
 6. RIP-RAP CHANNELS & PD TO BE FIELD ADJUSTED AS NECESSARY.
 7. ALL SEDIMENT SHALL BE REMOVED FROM POND BOTTOM AND OUTFALL AND THE AREAS STABILIZED AS PER THE DETAILS PROVIDED ON THIS PLAN.

OLD COLUMBIA ROAD

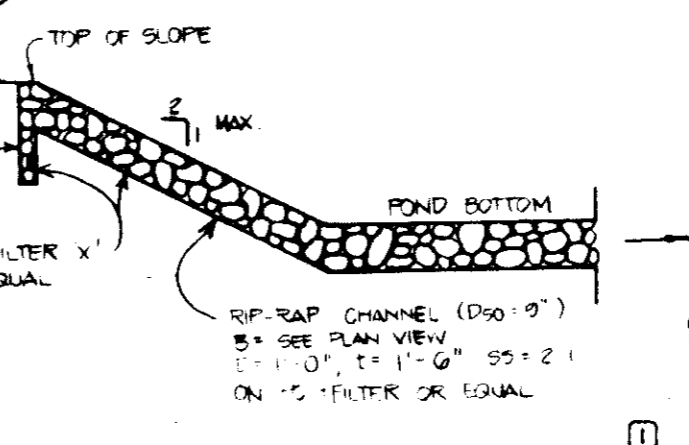
DRIVE

RIVERWOOD DRIVE

PHASE II CHANNEL X-SECTION
(NO SCALE)



PROFILE ALONG CHANNEL
(NO SCALE)



OWNER: SHIMADZU SCIENTIFIC INSTRUMENTS INC
 OAKLAND RIDGE INDUSTRIAL PARK
 917 H RED BRANCH ROAD
 COLUMBIA, MARYLAND 21045

DESIGN: JR III	SHEET: 3 OF 5	JOB NO: 11-112-14
DRAFT: LNC / EK	DATE: 11-12-84	FILE NO: 5-22-2-22
APPROVED: JR III	SCALE: 1" = 50'	

RIVERS CORPORATE PARK - SECTION 1, AREA 1, PARCEL B
SHIMADZU SCIENTIFIC INSTRUMENTS, INC.
 GUILFORD (61) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

Johnson, Mirmiran & Thompson, P.A.
 ENGINEERS • PLANNERS • SURVEYORS • LANDSCAPE ARCHITECTS
 Scale: 1" = 50'

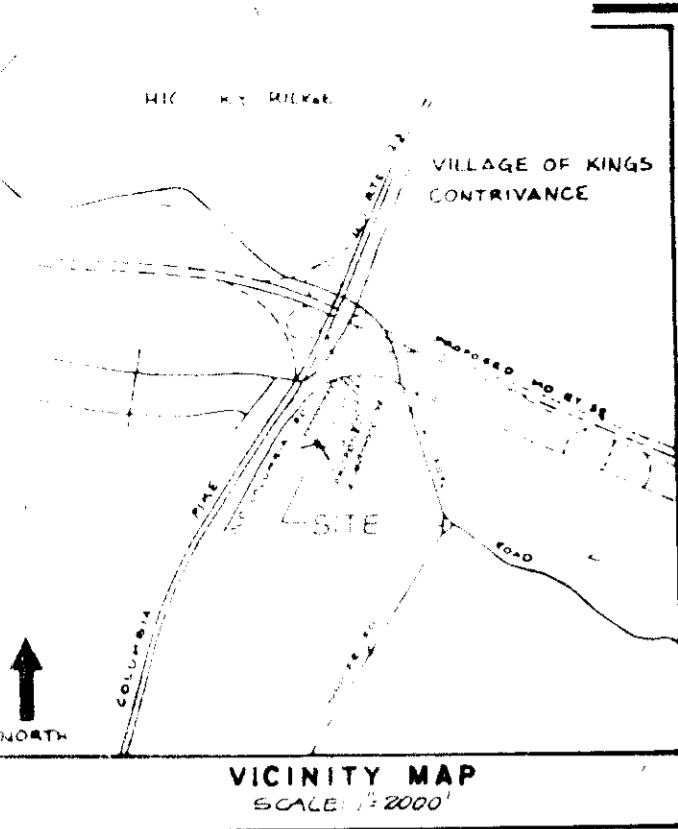
Storm Drainage and Storm Water Management Plan

SHIMADZU SCIENTIFIC INSTRUMENTS, INC.
 Rivers Corporate Park, Columbia, Maryland

AOKI CORPORATION
 Baltimore, Maryland

BUILDING ADDITION TO SDP-82-92C

SHEET 3 OF 5
 DATE: 11/28/84
 11/28/84 REVISED SWM POND TO MEET FIELD CONDITIONS
 5/85 INCREASE DRAINAGE AREA TO SD 3
 REVISED HIG AND ELEVATIONS ON SWM POND.



APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] DIRECTOR 10-23-85 DATE
 [Signature] CHIEF, BUREAU OF ENGINEERING 10-23-85 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] COUNTY HEALTH OFFICER 10-29-85 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 [Signature] PLANNING DIRECTOR 10-30-85 DATE
 [Signature] CHIEF, DIVISION OF LAND DEVELOPMENT & ZONE ADMIN. 10-30-85 DATE

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 9-18-85
 [Signature]

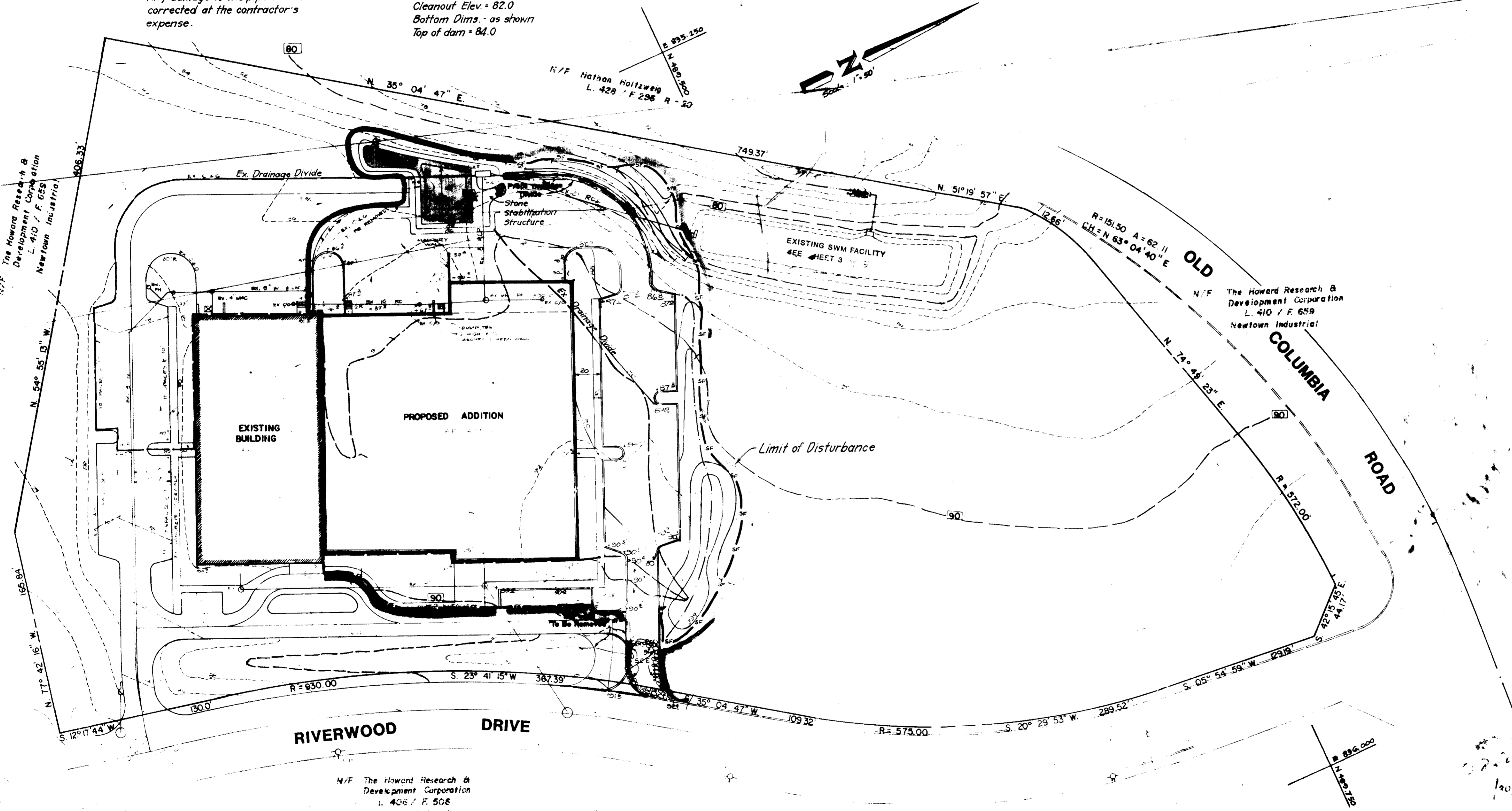
STORM INLET SEDIMENT TRAP

NOTE:
 Before excavating pond, verify location & depth to ex. 18" RCP. Any damage to the pipe will be corrected at the contractor's expense.

Ex. D.A. = 2.18 Ac.
 Prop. D.A. = 3.15 Ac.
 Storage required = 5,670 cf provided = 7,000 cf to elev. 83.0
 Crest Elev. = 83.0 (to be opened in back of inlet)
 Cleanout Elev. = 82.0
 Bottom Dims. as shown
 Top of dam = 84.0

SEQUENCE OF CONSTRUCTION

1. Clear and grub as necessary to install sediment trap with SSS, stabilized construction entrance and silt fence.	1 week
2. Clear and grub remaining area.	2 days
3. Provide inlet protection for existing curb inlet.	1 week
4. Begin rough grading.	1 week
5. Install ED/AI to divert runoff to stone stabilization structure and trap.	1 day
6. Complete rough grading and stabilize.	2 days
7. Begin building construction.	
8. Fine grade and begin installation of curb, gutter and base pavement for parking and driveways.	1 week
9. Remove trap and dike and complete curb, gutter and base pavement.	1 week
10. Remove remaining sediment controls.	1 day
11. Complete building construction and final paving.	8 months



BUILDING ADDITION TO SDP-82-92C

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

[Signature] 10/17/85
 SIGNATURE DATE

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

APPROVED:
 [Signature] 10/18/85
 HOWARD S.C.O. DATE

FOR SEDIMENT CONTROL ONLY

RIVERS CORP. PARK, 1/11 Par. B.

SEDIMENT CONTROL PLAN

SHIMADZU SCIENTIFIC INSTRUMENTS, INC.

GUILFORD (6th) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DESIGN: RCL	REVISIONS:	SHEET
DRAFT: PT		
APPROVED:		
DATE: APRIL 1985	OWNER/DEVELOPER: SHIMADZU SCIENTIFIC INSTRUMENTS, INC.	OF
SCALE: 1" = 50'	7102 RIVERWOOD DRIVE	FILE NO. 15-028-23 B
	RIVERS CORPORATE PARK	
	COLUMBIA, MD. 21046	

Johnson, Mirmiran & Thompson, P.A.
 ENGINEERS • PLANNERS • SURVEYORS • LANDSCAPE ARCHITECTS
 7755 EDISON ROAD • SILVER SPRING, MARYLAND • 20903 • (301) 434-7000
 313 MAPLE AVENUE WEST • SUITE 3 • VIENNA, VA • 22180 • (703) 281-5330
 1526 YORK ROAD • BALTIMORE, MARYLAND • 21083 • (301) 521-6500

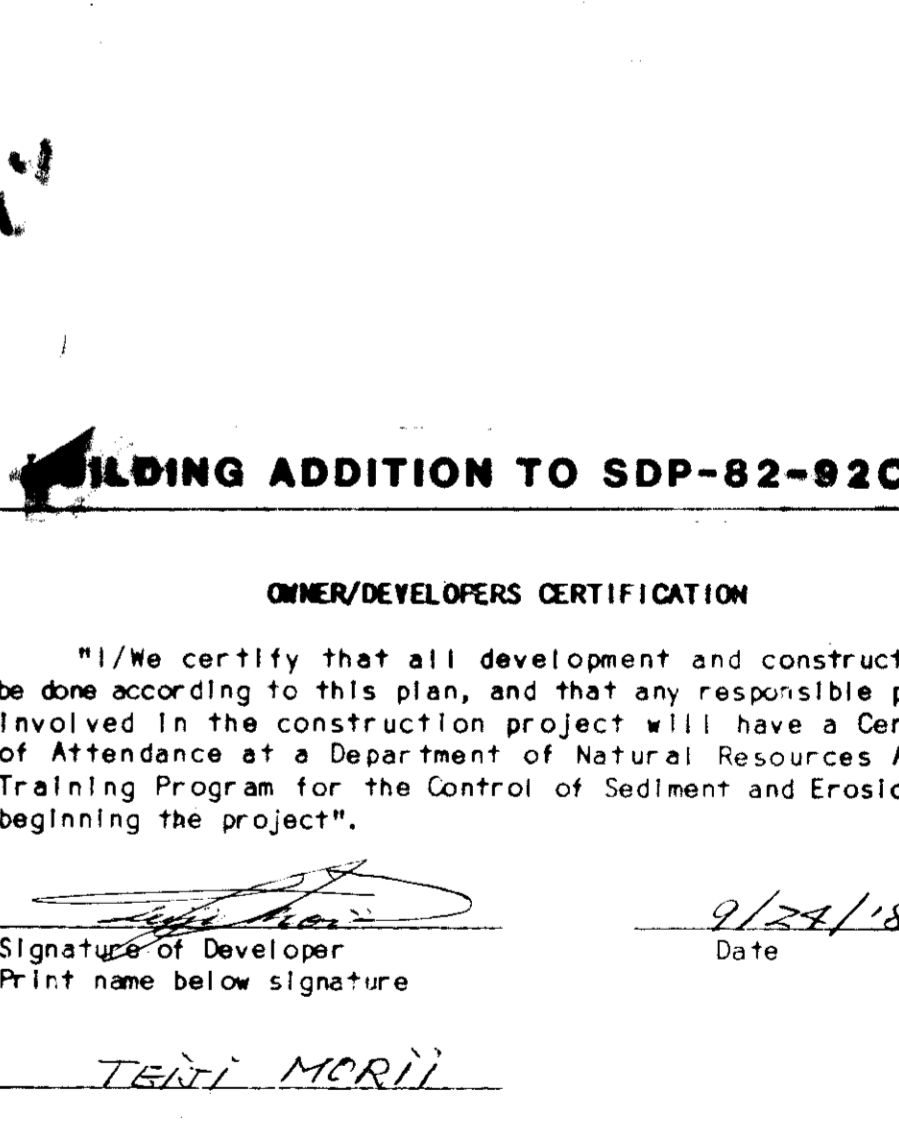
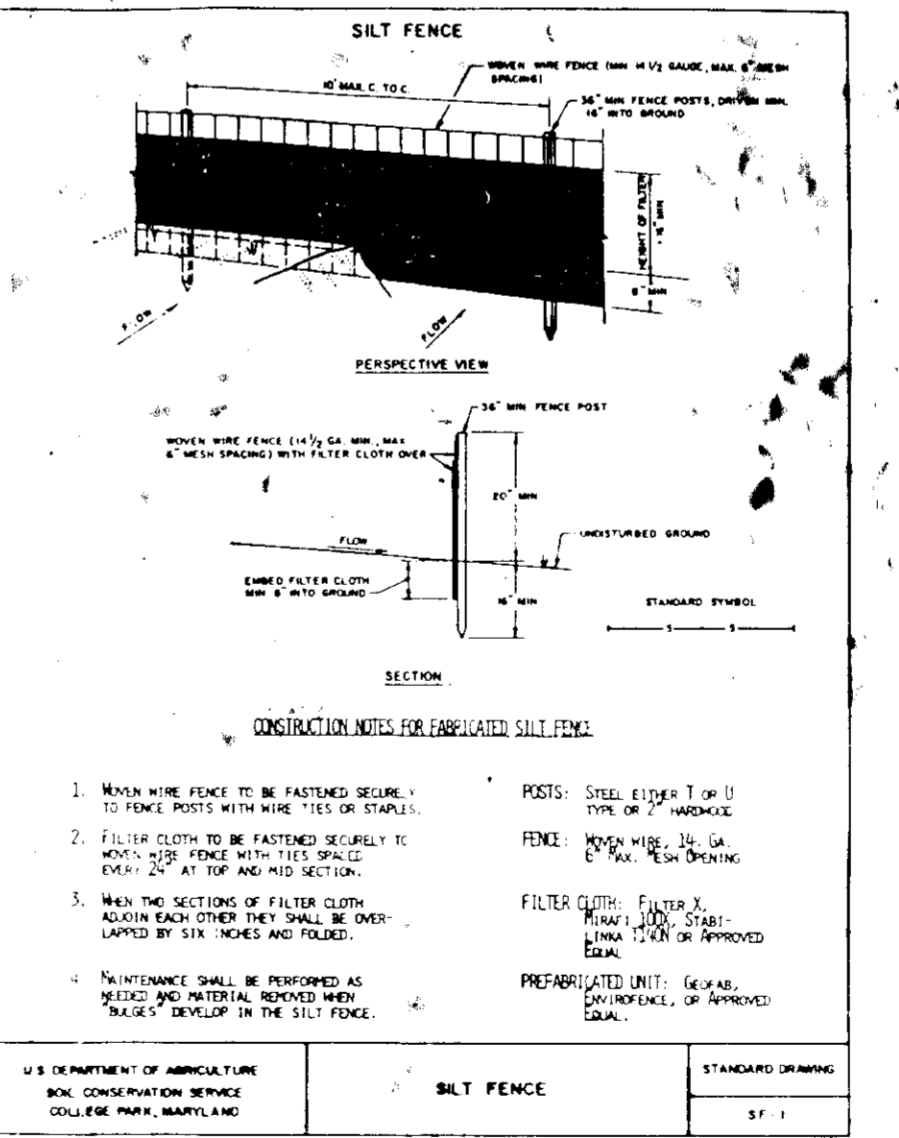
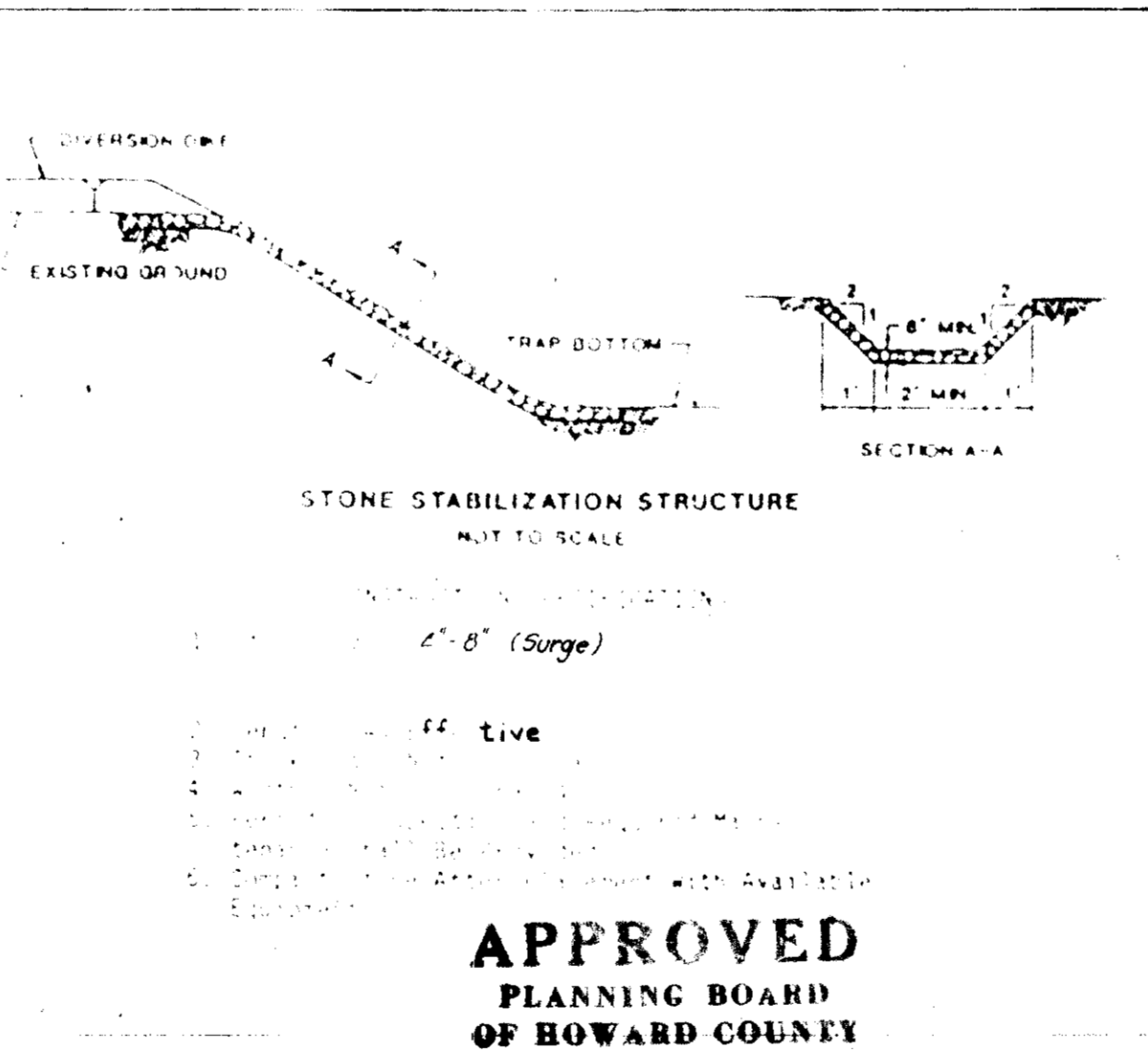
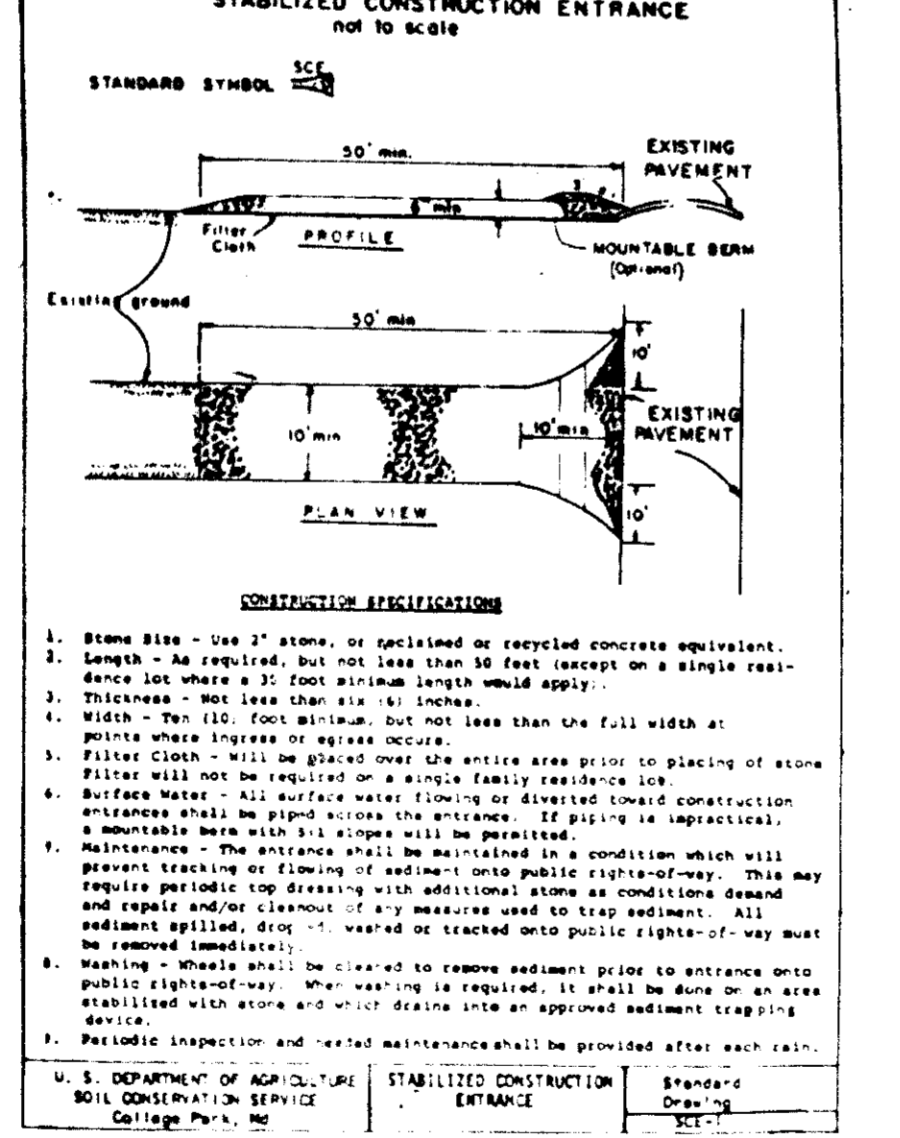
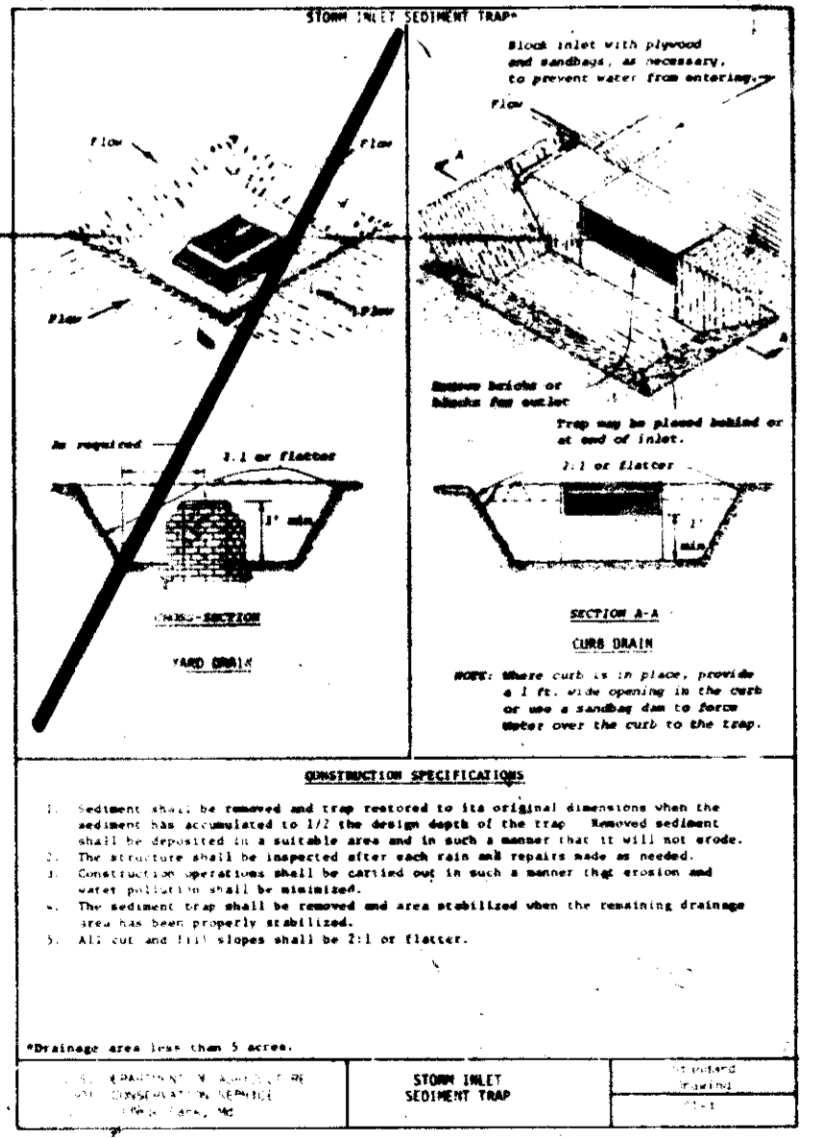
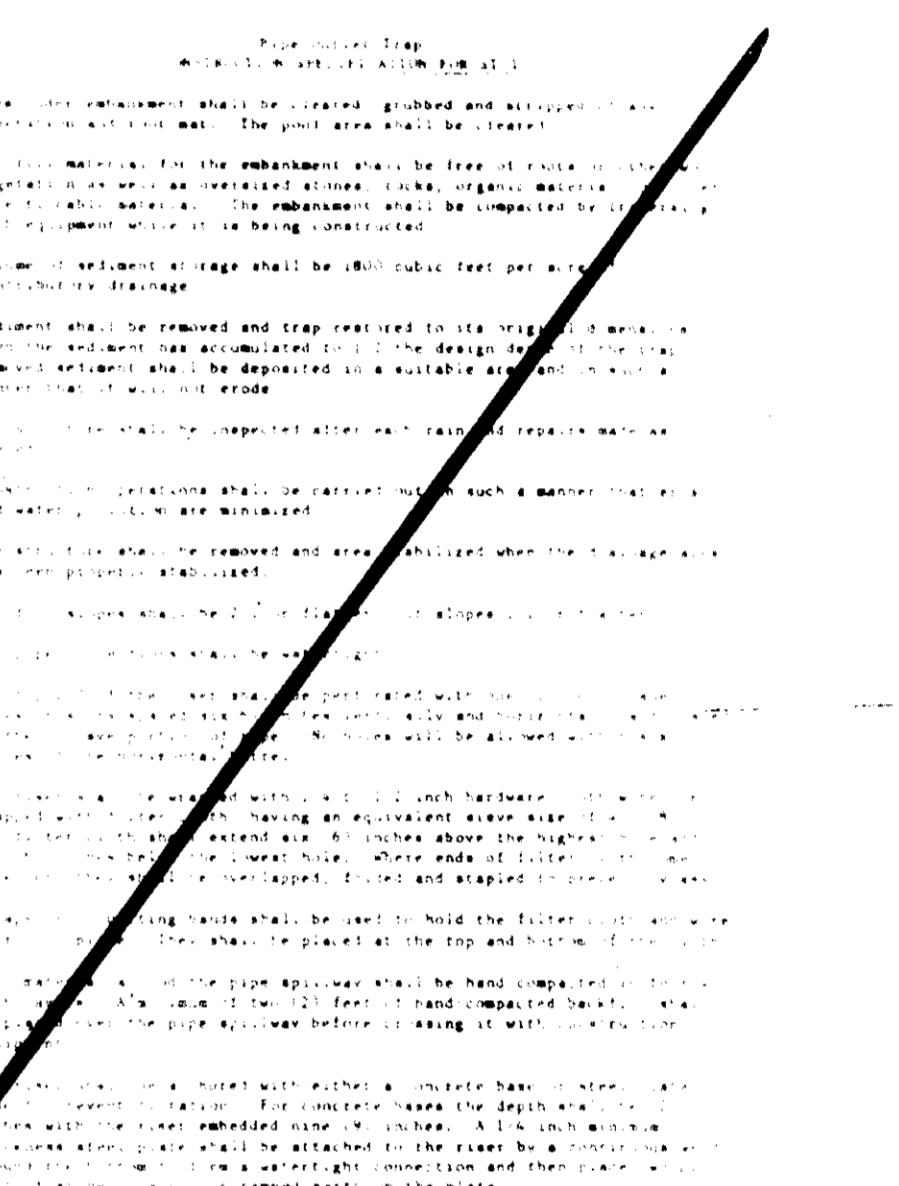
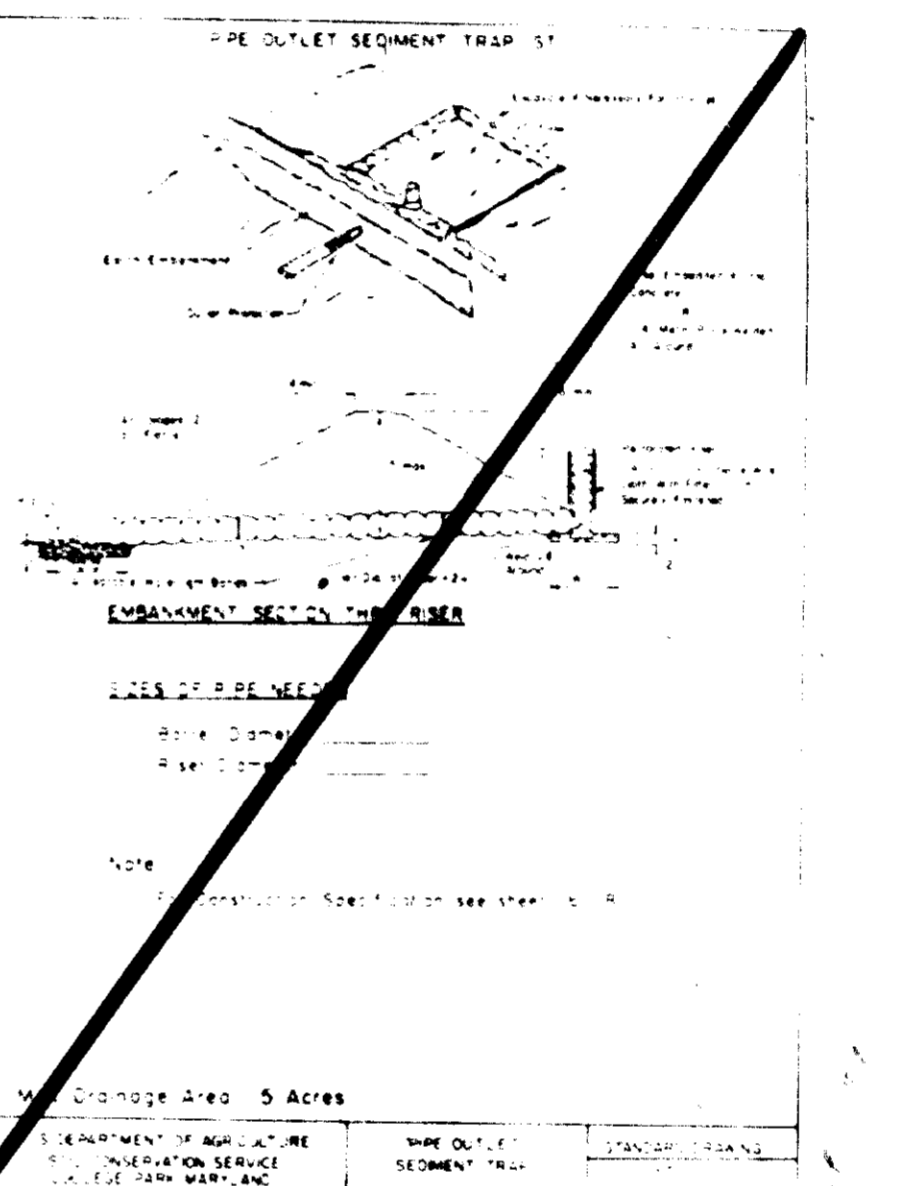
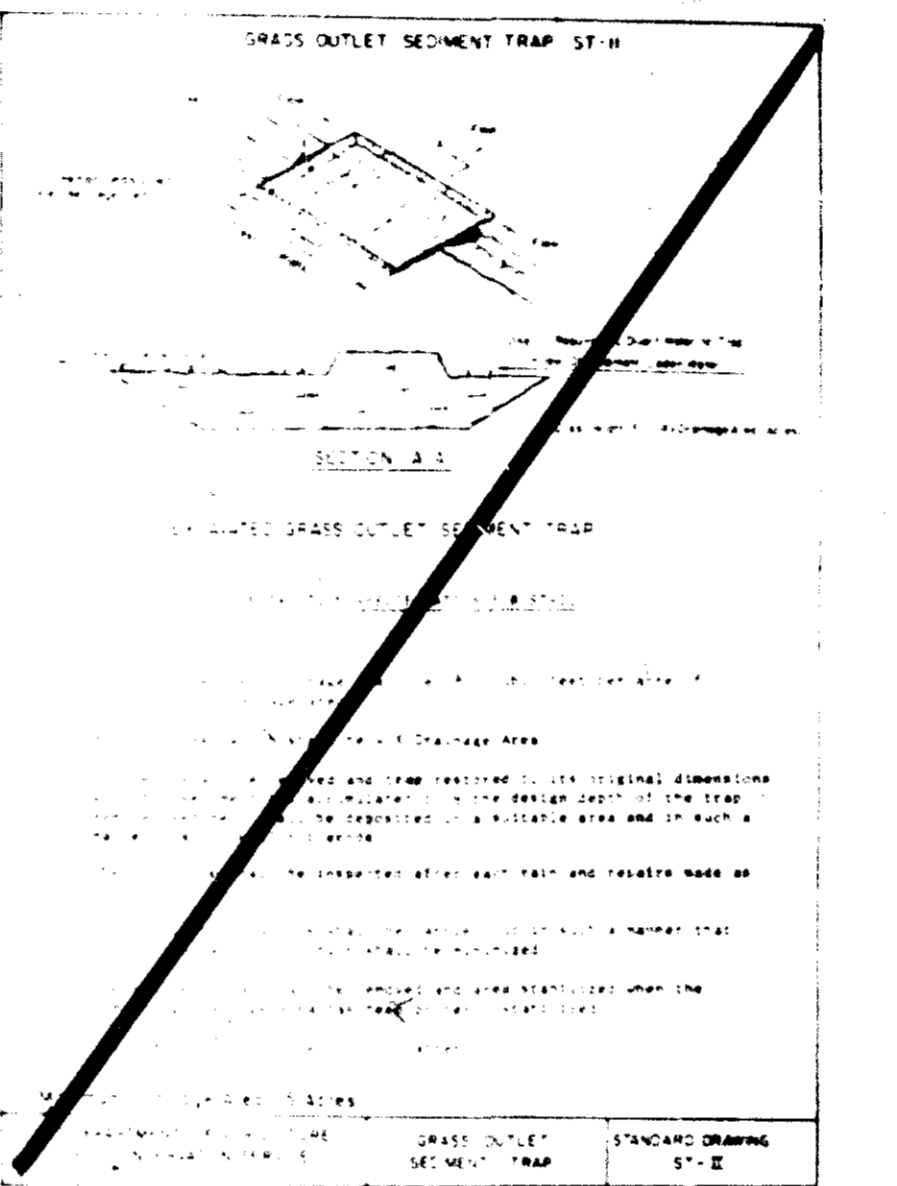
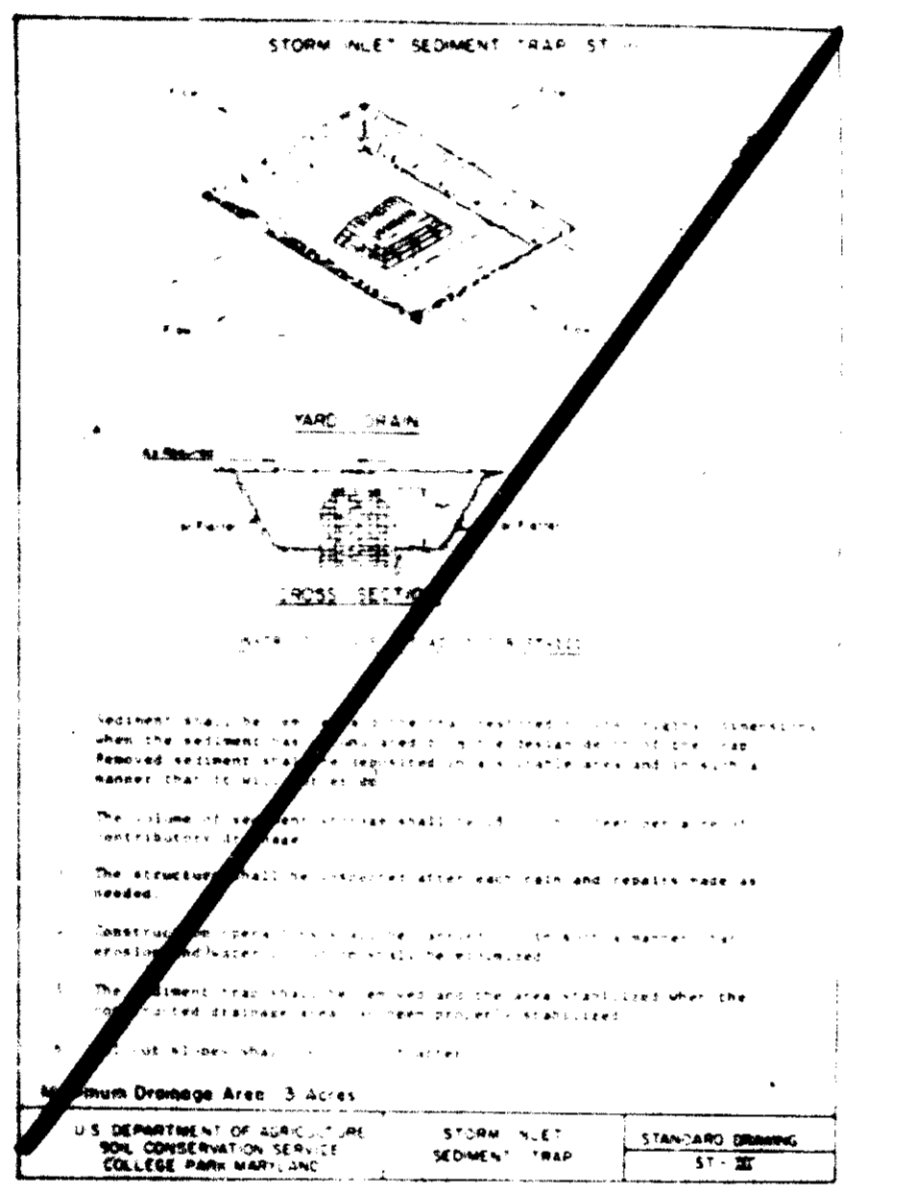
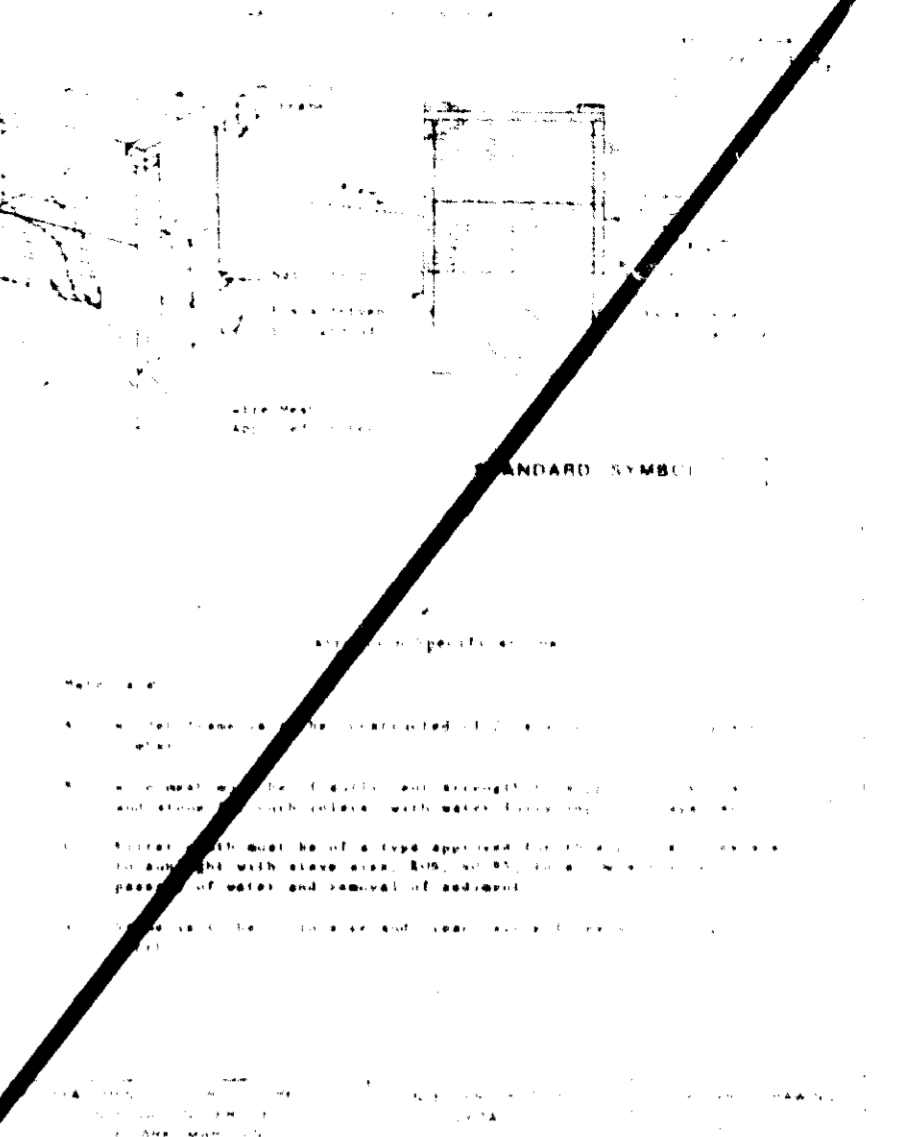
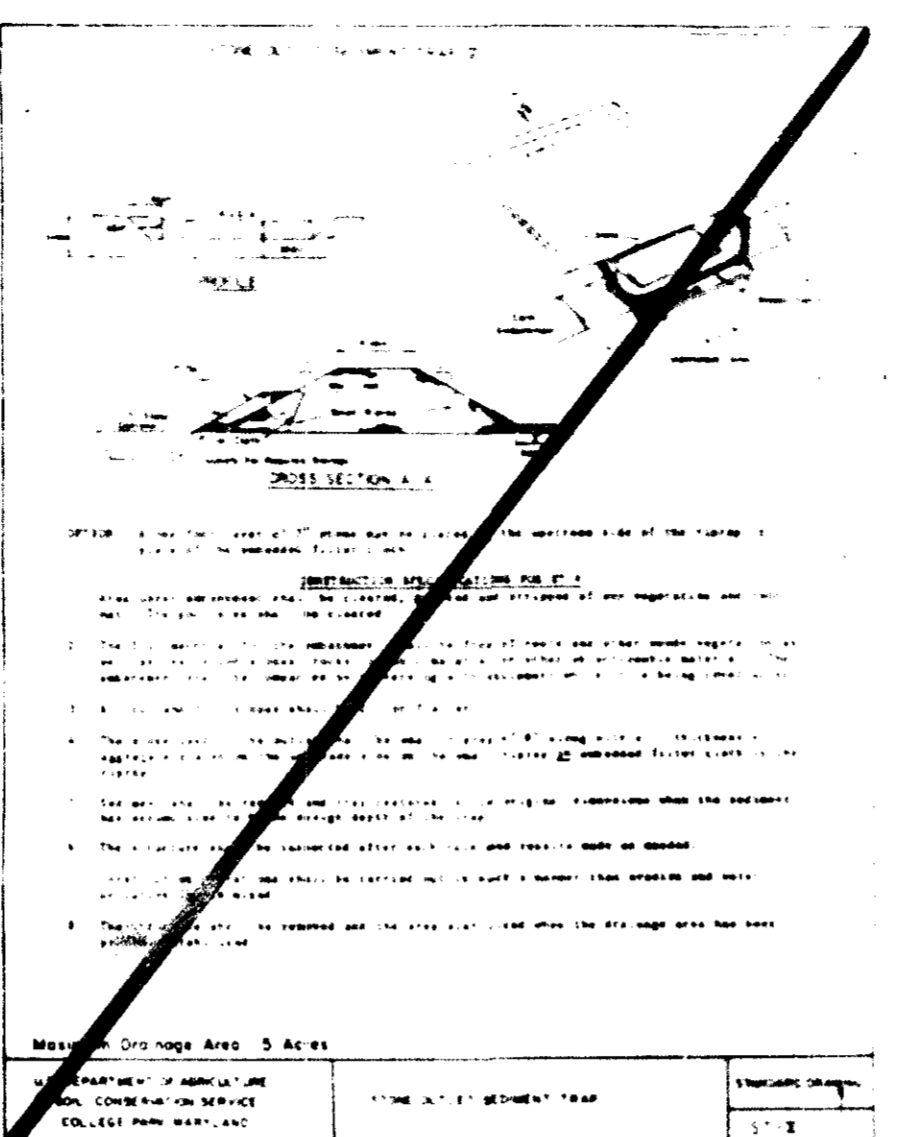
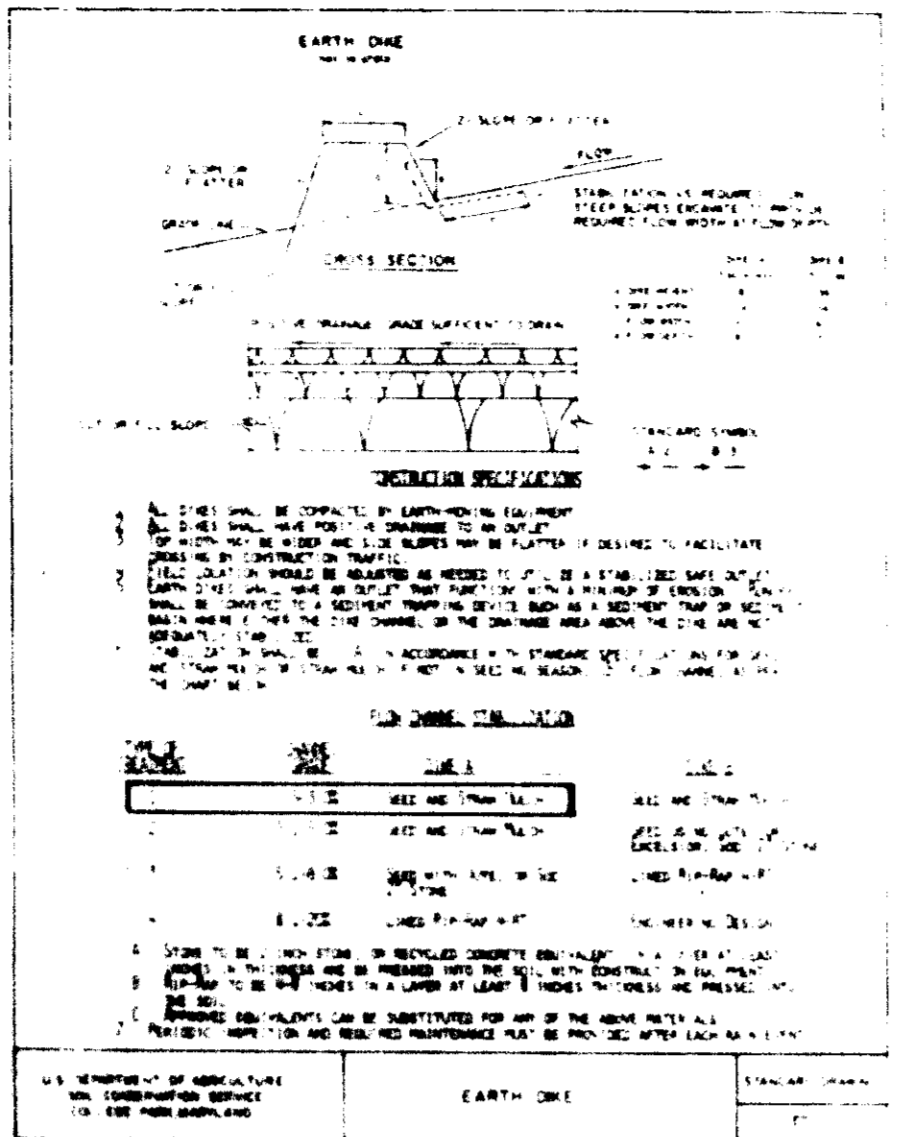
LEGEND

Limit of Disturbance	---
Silt Fence	---
Prop. Drainage Divide	---
Ex. Drainage Divide	---
Earth Dike	---

SDP-86-03c

SEDIMENT CONTROL NOTES

1. SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AS THE PROJECT DEVELOPS. PERIODIC INSPECTION AND MAINTENANCE ARE TO BE PROVIDED TO INSURE EFFICIENCY OF ALL FACILITIES.
2. EROSION AND SEDIMENT CONTROL FACILITIES ARE TO BE CONSTRUCTED PRIOR TO ANY GRADING OR EROSION CONTROL MEASURES BEING INSTALLED. MAINTENANCE TO THESE FACILITIES SHALL BE IN ACCORDANCE WITH THE STANDARD & SPECIFICATIONS FOR EROSION & SEDIMENT CONTROL.
3. ALL SEDIMENT CONTROL FACILITIES SHALL BE CONSTRUCTED OF MATERIALS APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. ALL FACILITIES SHALL BE PROTECTED AND KEPT FREE OF OBSTRUCTION UNTIL THE UPHILL AREAS HAVE BEEN STABILIZED AND THE STREETS HAVE BEEN PAVED.
4. ALL SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED AND PERIODIC CLEANOUT ABOVE THE DESIGN CLEANOUT LEVELS SHALL BE PERFORMED BY THE DEVELOPER.
5. THE CONTRACTOR SHALL NOT INSTALL CONCRETE CURBS OR GUTTER OR SIDEWALK IN THE AREAS INDICATED UNTIL THE UPHILL AREAS HAVE BEEN STABILIZED.
6. SEDIMENT CONTROL DEVICES (DITCHES, DIKES, TRAPS, ETC.), ARE TO REMAIN IN PLACE UNTIL CONTRIBUTING WATERSHED HAS BEEN STABILIZED. MAINTENANCE TO THESE DEVICES SHALL BE DONE AS NECESSARY. REMOVAL OF THESE DEVICES SHALL BE WITH THE APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
7. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO START OF ANY CONSTRUCTION. (902-2437)
8. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THE PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
9. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 14 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SOILS AND ALL SOILS GREATER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
10. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 2, OF THE HOWARD COUNTY DESIGN MANUAL: STORM DRAINAGE.
11. 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. 31), TEMPORARY SEEDING (SEC. 30) AND MULCHING (SEC. 32). TEMPORARY STABILIZATION WITH MULCH OR SOILS CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
12. 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.
13. SITE ANALYSIS:
 - a. TOTAL AREA OF SITE: 9.6552 ACRES
 - b. AREA DISTURBED: 2.700 ACRES
 - c. AREA TO BE ROOVED OR PAVED: 2.18 ACRES
 - d. AREA TO BE VEGETATIVELY STABILIZED: 0.60 ACRES
 - e. TOTAL CUT: 21 YARDS
 - f. TOTAL FILL: 21 YARDS
 - g. OFFSITE WAST/BORROW AREA LOCATION: NA
14. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
15.
 - a. All inlets in non-sump areas shall have asphalt berms installed at the rim of base course establishment.
 - b. The sediment control inspector has the option of requiring additional sediment control measures, including traps.
 - c. All trap elevations are relative.



APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: [Signature] DATE: 10-27-85
 Chief, Bureau of Engineering: [Signature] DATE: 10-28-85

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] DATE: 10-29-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Planning Director: [Signature] DATE: 10-30-85
 [Signature] DATE: 10-28-85

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND PERMITS TECHNICAL REQUIREMENT.
 [Signature] DATE: 10-7-85
 U.S. SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: [Signature] DATE: 10-9-85

BUILDING ADDITION TO SDP-82-92C

OWNER/DEVELOPERS CERTIFICATION
 "I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project."
 Signature of Developer: [Signature] DATE: 9/24/85
 Print name below signature: TERRY MORII

ENGINEERS CERTIFICATION
 "I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
 Signature of Engineer: [Signature] DATE: 2/15/85
 Print name below signature: DAVID LITTLE

Johnson, Mirmiran & Thompson, P.A.
 RIVERS CORP. PARK III, P.O. B.
 SEDIMENT CONTROL PLAN
 DETAIL SHEET
 SHIMADZU SCIENTIFIC INSTRUMENTS, INC.
 GUILFORD (6th) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 APR 11 1985
 As Shown
 15-028-23 B