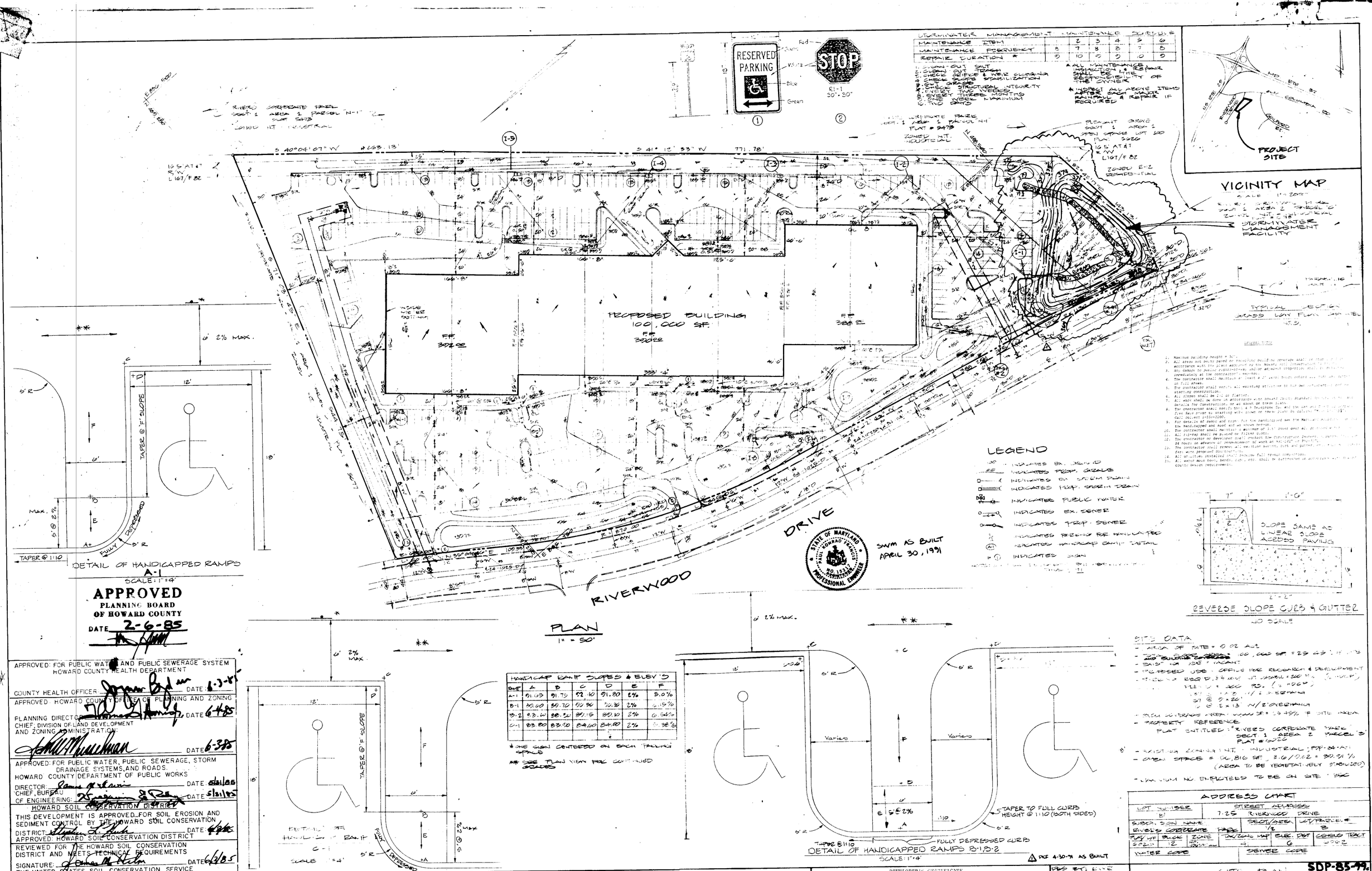


STORMWATER MANAGEMENT MAINTENANCE SCHEDULE						
MAINTENANCE ITEM		2	3	4	5	6
MAINTENANCE FREQUENCY	8	7	8	8	7	8
REPAIR DURATION *	9	10	9	9	10	9

1. CLEAN-OUT SILT
2. CLEAN-OUT TRASH
3. CHECK ORIFICE & WEIR CLOGGING
4. CHECK SLOPE STABILIZATION
5. CUT GRASS
6. CHECK STRUCTURAL INTEGRITY
7. EVERY TWO WEEKS
8. EVERY THREE MONTHS
9. ONE WEEK MAXIMUM
10. TWO DAYS

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

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

HANDICAP RAMP SLOPES & ELEV'S						
RAMP	A	B	C	D	E	F
A-1	91.65	91.75	92.40	91.80	2%	5.0%
B-1	89.60	89.70	90.30	90.30	2%	6.15%
B-2	83.20	83.30	89.15	89.10	2%	6.54%
C-1	83.80	83.90	84.60	84.90	2%	5.38%

* ONE SIGN CENTERED ON EACH PARKING SPACE

** SEE PLAN VIEW FOR CONTINUED GRADES

SITE DATA

- AREA OF SITE = 9.02 AC±
- TOTAL FLOOR AREA = 100,000 SF = 25.45 % OF SITE AND BUILDING COVERAGE
- EXISTING USE: VACANT
- PROPOSED USE: OFFICE FOR RESEARCH & DEVELOPMENT
- PARKING REQ'D: 1 SPACE PER 1000 SF (2 HDCP)
  PLENUM = 400 PSI (2 HDCP)
  137 @ 1 x 18' W/ 2' OVERHANG
  57 @ 9 x 20'
  6 @ 2 x 13' W/ 2' OVERHANG
- BLDG COVERAGE AREA: 100,000 SF = 25.45% OF SITE AREA
- PROPERTY REFERENCE
  PLAT ENTITLED: "RIVERS CORPORATE PARK" SECT. 1 AREA 2 PARCEL 'B' PLAT #6020
- EXISTING ZONING: N.T. - INDUSTRIAL; FDP-84-A-1
- OPEN SPACE = 56,816 SF, 3.6/9.02 = 39.91 % (AREA TO BE VEGETATIVELY STABILIZED)
- MAXIMUM NO. EMPLOYEES TO BE ON SITE: 350

ADDRESS CHART

LOT NUMBER	STREET ADDRESS			
B	7125 RIVERWOOD DRIVE			
SUBDIVISION NAME	SECT/AREA	LOT/PARCEL #		
RIVERS CORPORATE PARK	1/2	B		
PLAT/LF	BLOCK	ZONE	TAX/ZONE MAP	ELEC. DIST	CENSUS TRACT
6020	12	N.T. INDUSTRIAL	41	6	6062
WATER CODE		SEWER CODE			

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: [signature] DATE: 6-3-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR: [signature] DATE: 6-4-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: [signature] DATE: 6-3-85

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: [signature] DATE: 5/31/85
CHIEF, BUREAU OF ENGINEERING: [signature] DATE: 5/31/85

HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT: [signature] DATE: 6/3/85
APPROVED: HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE: [signature] DATE: 6/3/85
THE UNITED STATES SOIL CONSERVATION SERVICE

WILLIAM R. SUDECK & ASSOCIATES
ENGINEERS & SURVEYORS
28 OFFICE STREET
BEL AIR MARYLAND 21014
301-838-5833
301-879-4353

ENGINEER'S CERTIFICATE
"I Certify that this plan for [redacted] 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.
[signature] Md 4874 11/20/84
Signature of Engineer Reg. No. Date

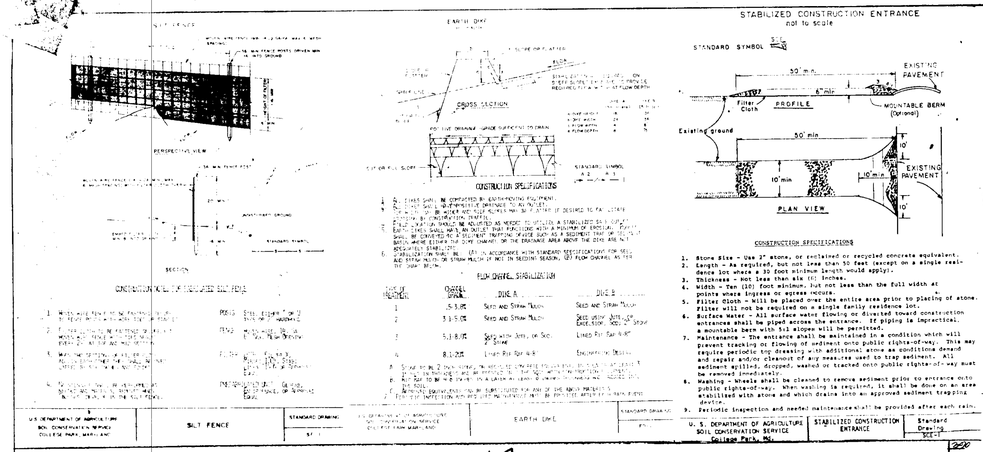
OWNER
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
LITTLE PATUXENT PARKWAY
COLUMBIA MARYLAND
992 - 6000
DEVELOPER
WILLIAM H. KNOTT
1505 YORK ROAD
LUTHERVILLE MARYLAND 21093
301-[illegible]-1800

DEVELOPER'S CERTIFICATE
"I Certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a certificate of attendance at a "Department of Natural Resources" approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary.
[signature] 11/10/84
Signature of Developer Date 4/2/85

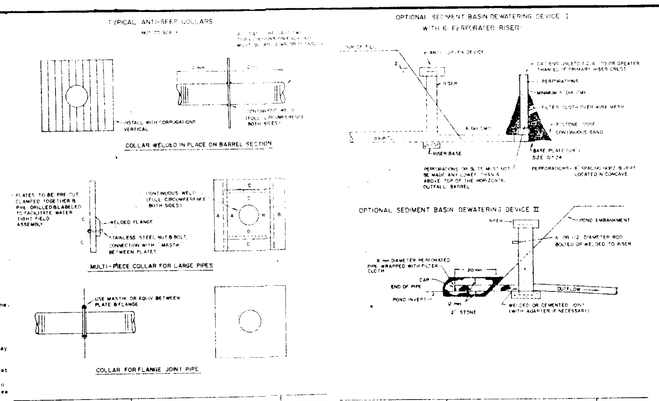
DES BY: RWR
DWG BY: RWR
CHK BY: WRS
REVISIONS

SITE PLAN
FOR
PROPOSED OFFICE FOR RESEARCH & DEVELOPMENT
RIVERS CORPORATE PARK
SECT. 1 AREA 2 PARCEL B
COLUMBIA
HOWARD CO. MD
SCALE: AS SHOWN
AS-BUILT
SDP-85-99c

STABILIZED CONSTRUCTION ENTRANCE
not to scale

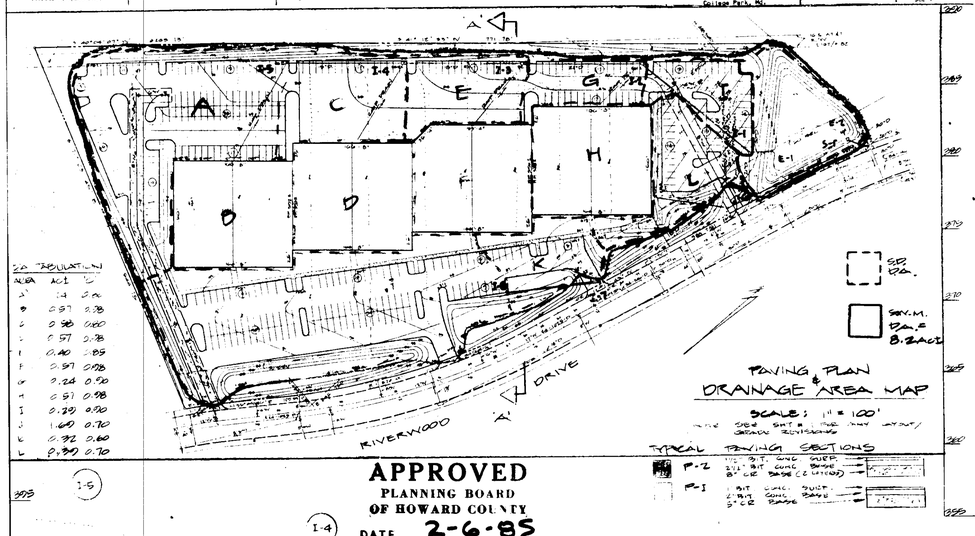


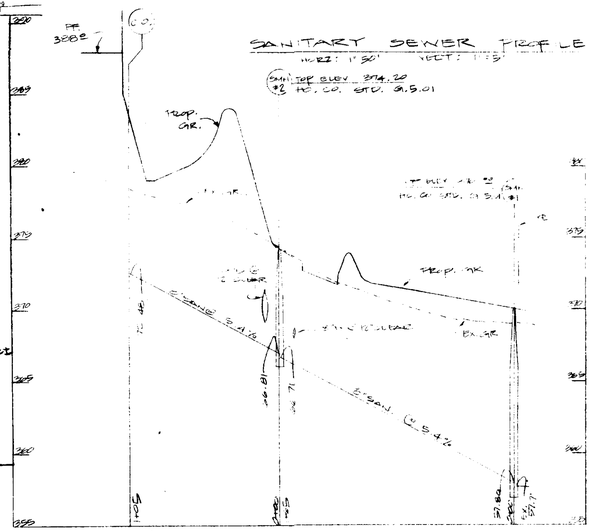
TYPICAL ANTI-SEEP COLLARS

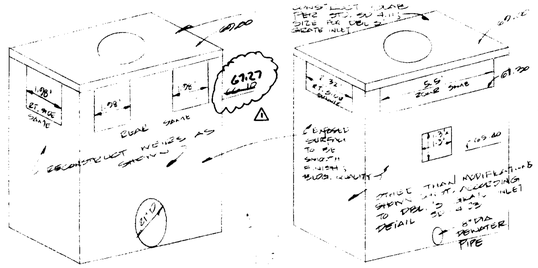


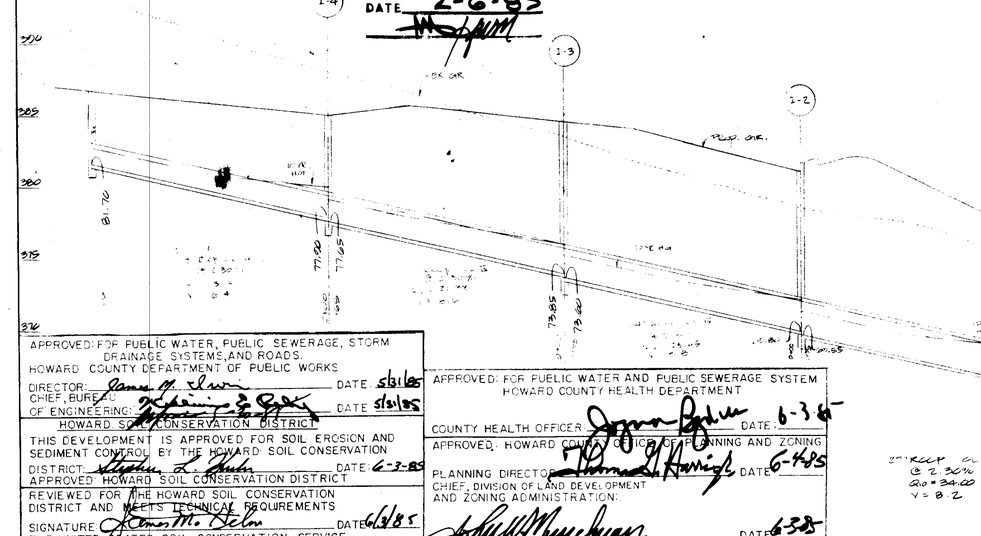
OPTIONAL SEDIMENT BASIN DEWATERING DEVICE I
WITH A PERFORATED RISER

NOTE: AT THE END OF EACH WORKING DAY DURING THE CONSTRUCTION OF STORM DRAINS, THE UPPER END OF THE INCOMPLETE SYSTEM SHALL BE PLUGGED TO PREVENT CONTAMINATION OF PIPE SYSTEM









APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: DATE 5/31/85
CHIEF, BUREAU OF ENGINEERING: DATE 5/31/85

HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. DATE 6-3-85
APPROVED: HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE DATE 6/3/85
THE UNITED STATES SOIL CONSERVATION SERVICE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: DATE 6-3-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR: DATE 6-4-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: DATE 6-3-85

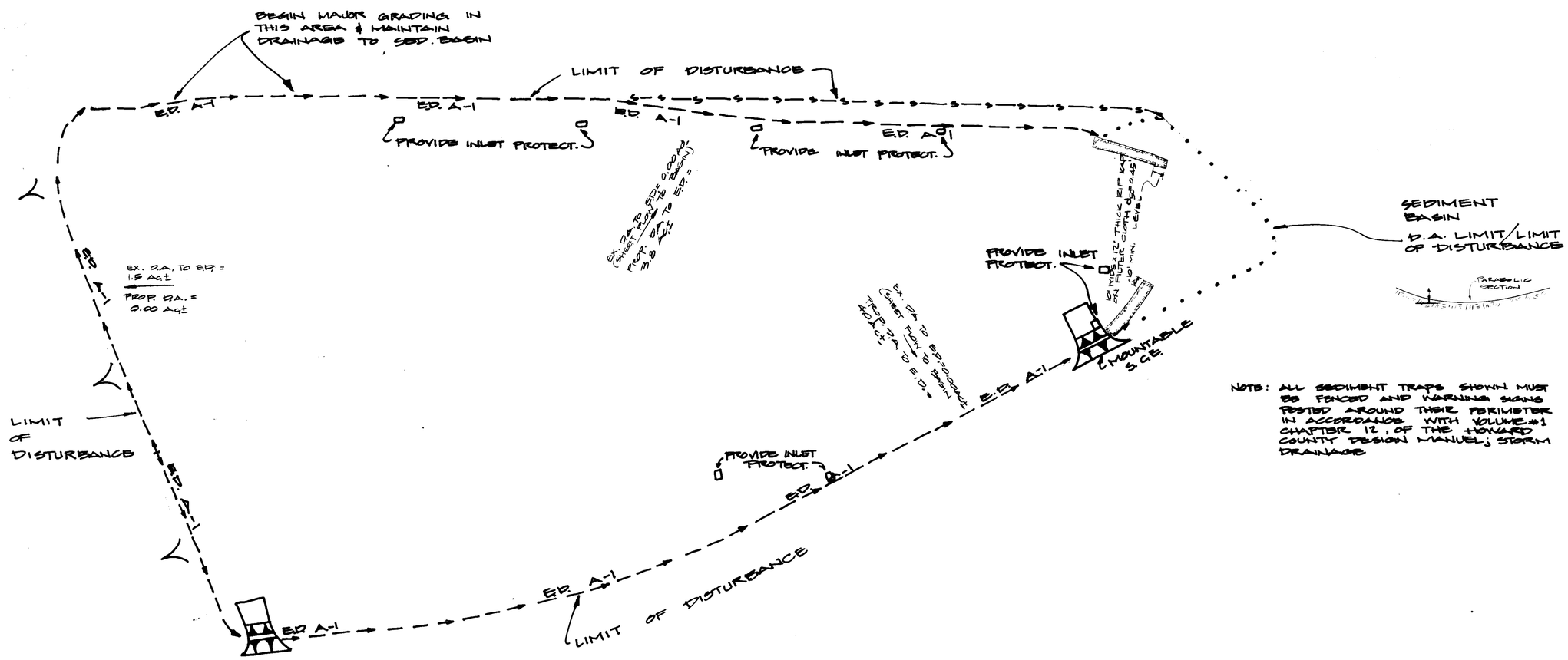
WILLIAM R. SUDECK & ASSOCIATES ENGINEERS & SURVEYORS 28 OFFICE STREET BEL AIR, MARYLAND 21014 (301) 838-5833 (301) 879-4853	ENGINEER BY Md. 4874 11/20/84 ZEGA. NO. DATE	OWNER THE HOWARD RESEARCH & DEVELOPMENT CORPORATION LITTLE PATUXENT PARKWAY COLUMBIA MARYLAND 21012 - 6000 DEVELOPER WILLIAM M. KNOTT 1505 YOKE ROAD LUTHERVILLE MARYLAND 21093 301-583-1800	DEVELOPER BY Michael A. Rossi 11/16/84 DATE

REV. BY: RWE
DWN BY: RWE
CHK BY:
REVISIONS
△ OCT 4-30-91 - AS BUILT

AS-BUILT

PROFILES & DETAILS
FOR
PROPOSED OFFICE FOR RESEARCH & DEVELOPMENT
RIVERS CORPORATE PARK
SECT. 1 AREA 2 PARCEL B
COLUMBIA
HOWARD CO., MD.
SHEET 1 OF 2
SCALE: AS SHOWN
DATE: OCT. 1984

SDP 86-99c



NOTE: ALL SEDIMENT TRAPS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOLUME #1 CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUEL; STORM DRAINAGE

6-3-85
6-4-85
6-3-85
5/31/85
5/31/85
6/3/85
6/3/85

APPROXIMATE EARTH QUANTITIES
EXCAVATION = 20,000 C.Y. ±
FILL (INCLUDING COMPACTION) = 20,000 C.Y. ±

AREA OF SITE = 9.0187 Ac±
BLDG. AREA = 100,000 S.F.
TOTAL DISTURBED AREA = 302,000 S.F.
AREA TO BE VEGETATIVELY STABILIZED = 156,816 S.F.; 3.6 Ac.±

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 2-6-85

WILLIAM R. SUDECK & ASSOC. INC.
ENGINEERS & SURVEYORS
112 SOUTH MAIN STREET
BEL AIR MARYLAND 21014
301-838-5033
301-879-4353

Md 4874 11/20/84

OWNER
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
LITTLE PATUXENT PARKWAY
COLUMBIA MARYLAND 21044
992-6000

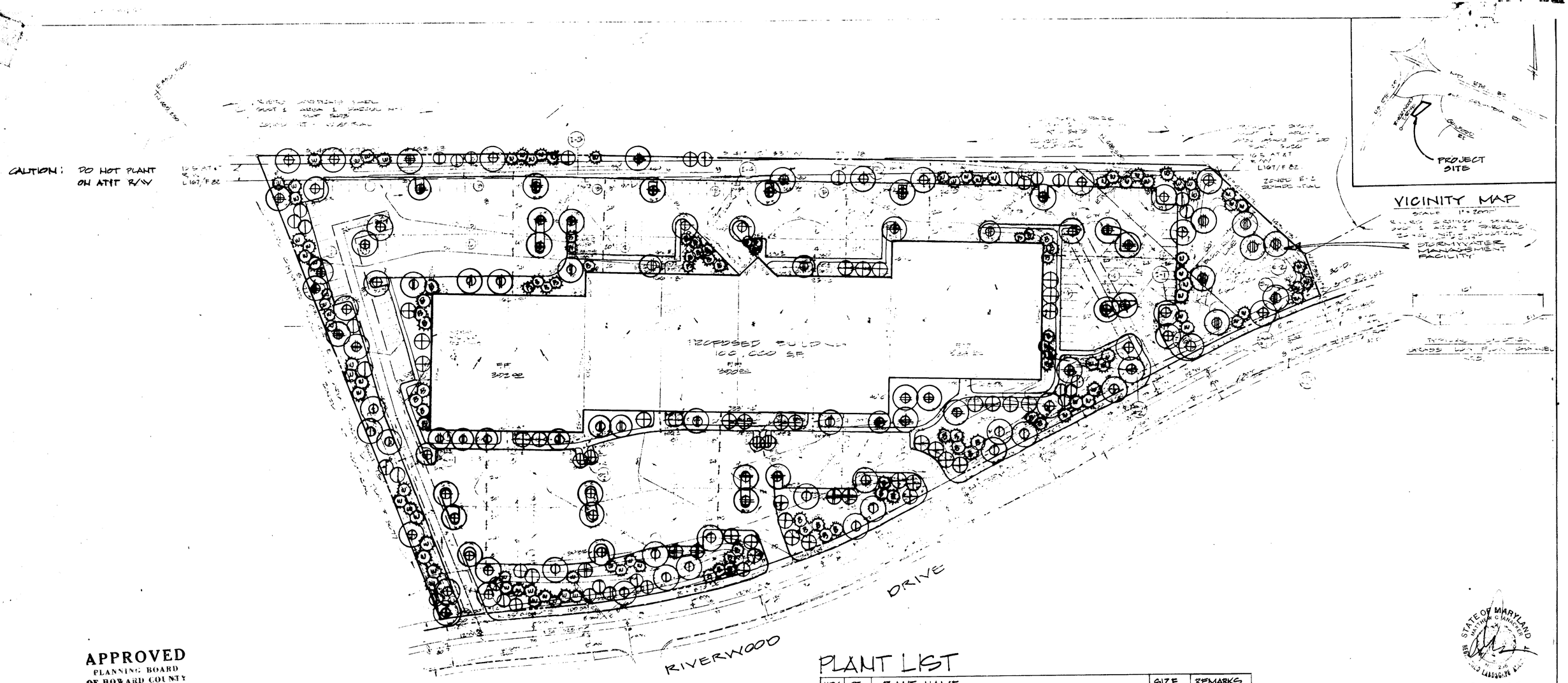
DEVELOPER
WILLIAM H. KNOTT
1505 YORK ROAD
LUTHERVILLE MARYLAND 21093
301-583-1800

11/16/84
5/31/85

GRADING, EROSION, & SEDIMENT CONTROL PLAN

3 4

SDP 85-90



PLAN
1" = 50'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 2-6-85

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER DATE 6-3-85

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR DATE 6-4-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
DATE 6-3-85

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR DATE 5/31/85
CHIEF, BUREAU OF ENGINEERING DATE 5/31/85

HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
DATE 6/4/85
APPROVED HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE DATE 6/3/85
THE UNITED STATES SOIL CONSERVATION SERVICE

STATE OF MARYLAND
MATTHEW C. HANACKER
REGISTERED LANDSCAPE ARCHITECT
3.21.85

PLANT LIST

KEY	QT.	PLANT NAME		SIZE	REMARKS
	15	QUERCUS ROBUR FASTIGIATA	PYRAMIDAL ENGLISH OAK	2½-3" CAL. 12-14' HT.	B&B HEAVY
	8	SOPHORA JAPONICA	JAP. PAGODA TREE		
	23	FRAXINUS P. LANCEOLATA	SEEDLESS GREEN ASH		
	15	PLATANUS ACERFOLIA	LONDON PLANE TREE		
	7	SALIX BABYLONICA	BABILON WEEPING WILLOW		
	38	ACER R. RED SUNSET	RED SUNSET MAPLE		
	38	PYRUS C. BRADFORD	BRADFORD PEAR	8-10' HT. 2-2½" CAL.	
	5	PRUNUS S. KWANZAN	KWANZAN CHERRY	8-10' HT. 2-2½" CAL.	
	35	CRATAEGUS PHAENOPYRUM	WASHINGTON HAWTHORN	8-10' HT. 2-2½" CAL.	
	55	PINUS THUNBERGI	JAP. BLACK PINE	6-8' HT.	
	83	PINUS STROBUS	WHITE PINE	6-8' HT.	

- ALL PLANTING TO BE IN COMPLIANCE WITH STANDARD HRD COLUMBIA PLANTING SPECIFICATIONS.
- CONTRACTOR TO VERIFY LOCATION OF UTILITIES BEFORE DIGGING

WILLIAM R. SUDECK & ASSOC. INC.
ENGINEERS & SURVEYORS
112 SOUTH MAIN STREET
BEL AIR, MARYLAND 21014
301-838-5833
301-879-4353

ENGINEER'S CERTIFICATE

"I certify that this plan for erosion, and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District.

Md 4874 11/20/84

OWNER
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
LITTLE PATUXENT PARKWAY
COLUMBIA MARYLAND 21044
992 - 6000
DEVELOPER
WILLIAM H. KNOTT
1805 YORK ROAD
LUTHERVILLE MARYLAND 21093
301-583-1800

DEVELOPER'S CERTIFICATE

"I certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a certificate of attendance at a "Department of Natural Resources" approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary.

DEVELOPER DATE

3.15.85 NEW BASE

AS BUILT

LANDSCAPE PLANTING PLAN
GTCO
PROPOSED OFFICE FOR RESEARCH & DEVELOPMENT
RIVERS CORPORATE PARK
SECT. 1 AREA 2 PARCEL 'B'
COLUMBIA
HOWARD CO. MD ELECT. DIST. #6
SCALE: AS SHOWN DATE NOV. 20, 1984
SHT 4 OF 4
SDP 85-99C