

VICINITY MAP  
SCALE: 1" = 2000'

SITE DATA

- \* AREA OF SUBMITAL = 9.285 Ac. ±
- \* AREA TO BE DISTURBED = 392,040 S.F. = 9.0 Ac. ±
- \* AREA TO BE VEGETATIVELY STABILIZED = 3.0 Ac. ±
- \* TOTAL FLOOR AREA = 113,790 S.F.
- \* FLOOR AREA TO SITE RATIO = 2.61/9.29 = 28.1%
- \* PERCENTAGE OF BLDG. COVERAGE = 28.1%
- \* PERCENTAGE OF OPEN SPACE = 32%
- \* EXISTING LAND USE = VACANT
- \* PROPOSED LAND USE = OFFICE & WAREHOUSE FOR RESEARCH & DEVELOPMENT
- \* EXISTING ZONING = N.T. (INDUSTRIAL)
- \* F.D.P. 187-A RECORDED AS PLAT # 5054A-471
- \* TITLE REF: RIVERS CORPORATE PARK SECTION II AREA I PARCEL "E" PLAT # 5334

PARKING TABULATION

TOTAL FLOOR AREA 113,790 = 74,835 S.F. OFFICE  
38,955 S.F. WAREHOUSE  
(SEE ALSO FLOOR AREA/USE TABULATION BELOW)

**PARKING REQUIRED**

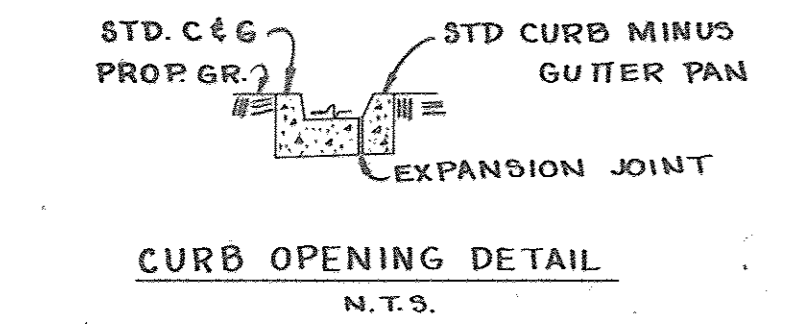
OFFICE; 74,835/1,000 x 3.3 = 247  
WAREHOUSE; 78 EMP/2 = 39  
= 286 P.S. REQ'D @ 9'x18' w/2' Overhang  
(70% The Req'd. P.S. Shall Be 12'x18' Min. Reserved For Handicapped w/2' Overhang)

TOTAL PARKING PROV'D = 331 P.S.  
(9 P.S. Reserved For Handicapped @ 12'x18')  
322 @ 9'x18'

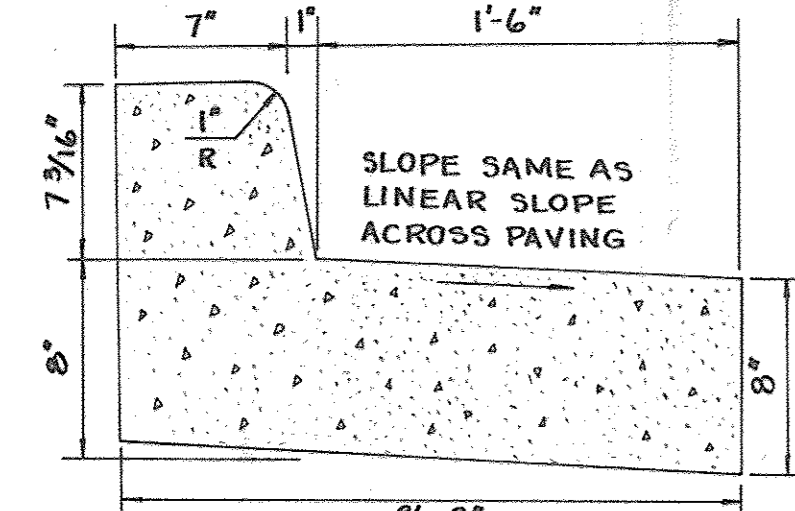
LEGEND

- INDICATES EXISTING CONTOURS
- INDICATES PROPOSED CONTOURS
- INDICATES PARKING SPACE RESERVED FOR HANDICAPPED
- INDICATES EXISTING CURB & GUTTER
- INDICATES PROPOSED CURB & GUTTER HO. CO. STD. R-3.01
- NOTE: WHERE PAVEMENT SLOPES AWAY FROM CURB THE GUTTER PAN SHALL TRANSITION INTO A REVERSE SLOPE & BE CONSTRUCTED AS DETAILED ON THIS SHT. SO NOT TO TRAP WATER.
- INDICATES PUBLIC WATER
- INDICATES PRIVATE WATER
- INDICATES PUBLIC SEWER
- INDICATES PRIVATE SEWER
- INDICATES STORM DRAINS (All On-Site Drains Are Private)
- INDICATES CONC. WALKWAY 5' WIDE (EXCEPT WHERE NOTED) & THICK. MIX # 3 CONC. SLOPE TO BE 2% MIN. & 0.25% MAX.
- NOTE: STORMWATER MANAGEMENT FACILITY WAS PROVIDED DURING SUBDIVISION STAGE

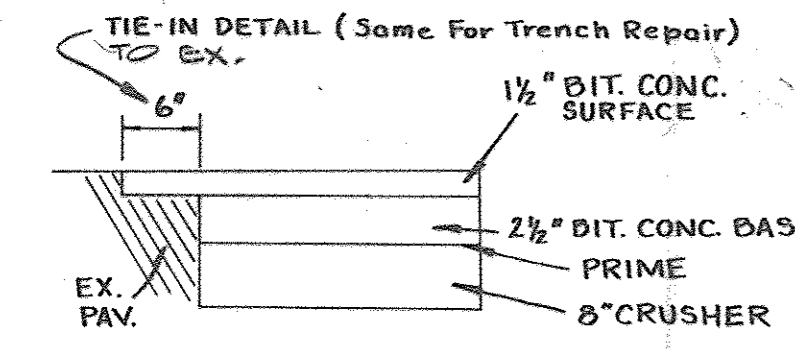
APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE 5-4-83



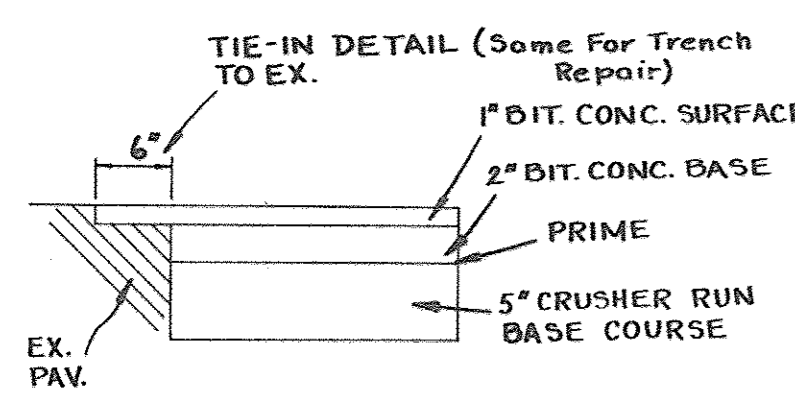
STD. C & G  
PROP. GR. STD CURB MINUS  
GUTTER PAN  
EXPANSION JOINT  
CURB OPENING DETAIL  
N.T.S.



REVERSE SLOPE CURB & GUTTER  
N.T.S.

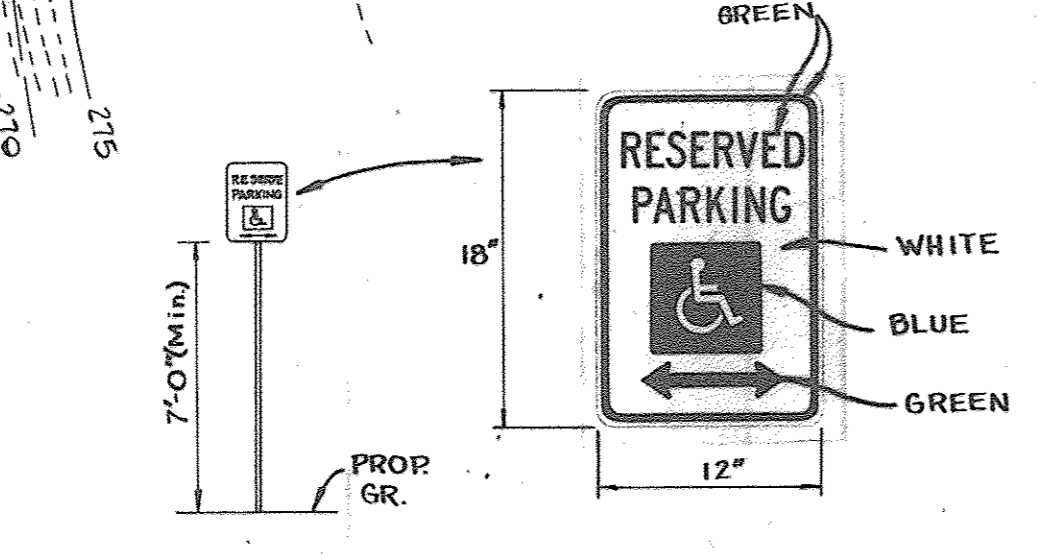


TYPE 'A' PAVING  
(HO. CO. STD. P-2)  
(For All Drives Dimensioned 25' & Truck Loading Area)

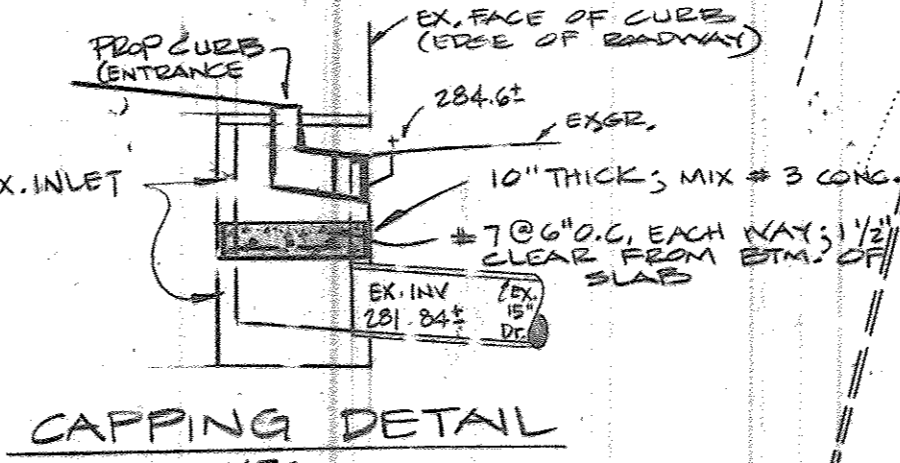


TYPE 'B' PAVING  
(HO. CO. STD. P-1)  
(For All Drives Dimensioned 24' & All Parking Areas)

NOTE: PROVIDE ONE SIGN FOR EACH HDPC SPACE  
NOTE: CONTRACTOR TO PROVIDE THIS SIGN OR EQUAL  
NOTE: PLACE WHERE SHOWN ON PLAN



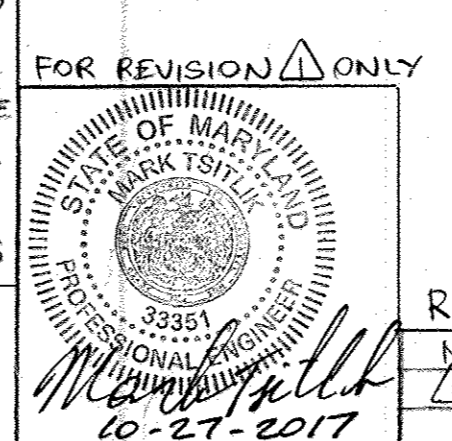
HANDICAP RAMP & SIGN DETAIL  
N.T.S.



CAPPING DETAIL  
N.T.S.  
NOTE: FIELD MEASURE EX. INLET EX. FH. & CONST. CAP ACCORDINGLY

REFERENCE DRAWINGS  
WATER & SEWER = CONTR. NO. 24-1100-D DWG 315 & 6  
ROAD & DRAIN = F-82-92 SHT. 5 & 17 of 17  
WATER & SEWER = CONTR. NO. 24-1100-D

PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 3351 EXPIRATION DATE 6-30-18  
R&H ENGINEERING TECHNOLOGIES, INC. TELE. 410-768-7790



FLOOR AREA / USE TABULATION

BLDG. 'A'	18,750 S.F. FIRST FLOOR OFFICE - 1ST.
BLDG. 'B'	4,080 S.F. FIRST FLOOR OFFICE
	9,520 S.F. FIRST FLOOR WAREHOUSE - 1ST.
BLDG. 'C'	12,415 S.F. FIRST FLOOR OFFICE
	20,435 S.F. FIRST FLOOR WAREHOUSE - 1ST.
BLDG. 'D'	19,695 S.F. FIRST FLOOR OFFICE - 2ND.
	19,695 S.F. SECOND FLOOR OFFICE - 2ND.

REVISIONS

NO.	DATE	DESCRIPTION
1	10-27-2017	ADD ELEVATOR ENCLOSURE LOBBY ILLUSTRATE HANDICAP PARKING SPACES FOR EX. OFFICE BLDG. 'D'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-16-83  
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
PLANNING DIRECTOR: *[Signature]* DATE: 6-17-83  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 6-17-83  
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: *[Signature]* DATE: 6-14-83  
CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 6-14-83  
HOWARD SOIL CONSERVATION DISTRICT  
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. DATE: 6-17-83  
APPROVED: HOWARD SOIL CONSERVATION DISTRICT  
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
SIGNATURE: *[Signature]* DATE: 3/19/83  
THE UNITED STATES SOIL CONSERVATION SERVICE

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



ENGINEER  
*[Signature]*  
8930  
REG. NO.  
3-21-83  
DATE

OWNER  
RIVERS CORP. ASSOC. LTD.  
SUITE 100 6000 EXECUTIVE BLVD.  
ROCKVILLE MARYLAND 20852  
DONALD TAYLOR (PARTNER)

DEVELOPER  
GLEN ARM DEVELOPMENT AND CONSTRUCTION CO. INC.  
11009 OLD CARRIAGE ROAD GLEN ARM, MARYLAND 21057

OWNER  
*[Signature]*  
AGENT (DOW)  
3/18/83  
DATE

DESIGN: RWR  
DRAWN: R.A.Z.  
CHECK: T.C.  
FN. 4758

REVISIONS  
REV. 6-3-83; LENGTH & SIZE SET TO 1-1/2" WATER SEWER TO BLDG. 'D'  
9-18-83 REV. CHANGES & ADD DRAINAGE & BLDG. 'D' DELIVER PIPE FROM 2-0 UNDER DRIVE.

SITE PLAN  
R/D BUSINESS PARK  
RIVERS CORPORATE PARK SECTION 2, AREA I, PARCEL 'E' COLUMBIA  
HOWARD COUNTY, MARYLAND ELECTION DISTRICT #6  
SCALE: 1" = 30' TAX MAP # 42  
FN. 4758  
MARCH 18 1983  
SHT. 1 OF 3

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

COUNTY HEALTH OFFICER: *John Boyle* DATE: 6-16-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR: *Thomas H. Harty* DATE: 6-17-83

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *W. Meadmore* DATE: 6-17-83

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

DIRECTOR: *Walter Newman* DATE: 6-14-83

CHIEF BUREAU OF ENGINEERING: *John R. King* DATE: 6-14-83

HOWARD SOIL CONSERVATION DISTRICT

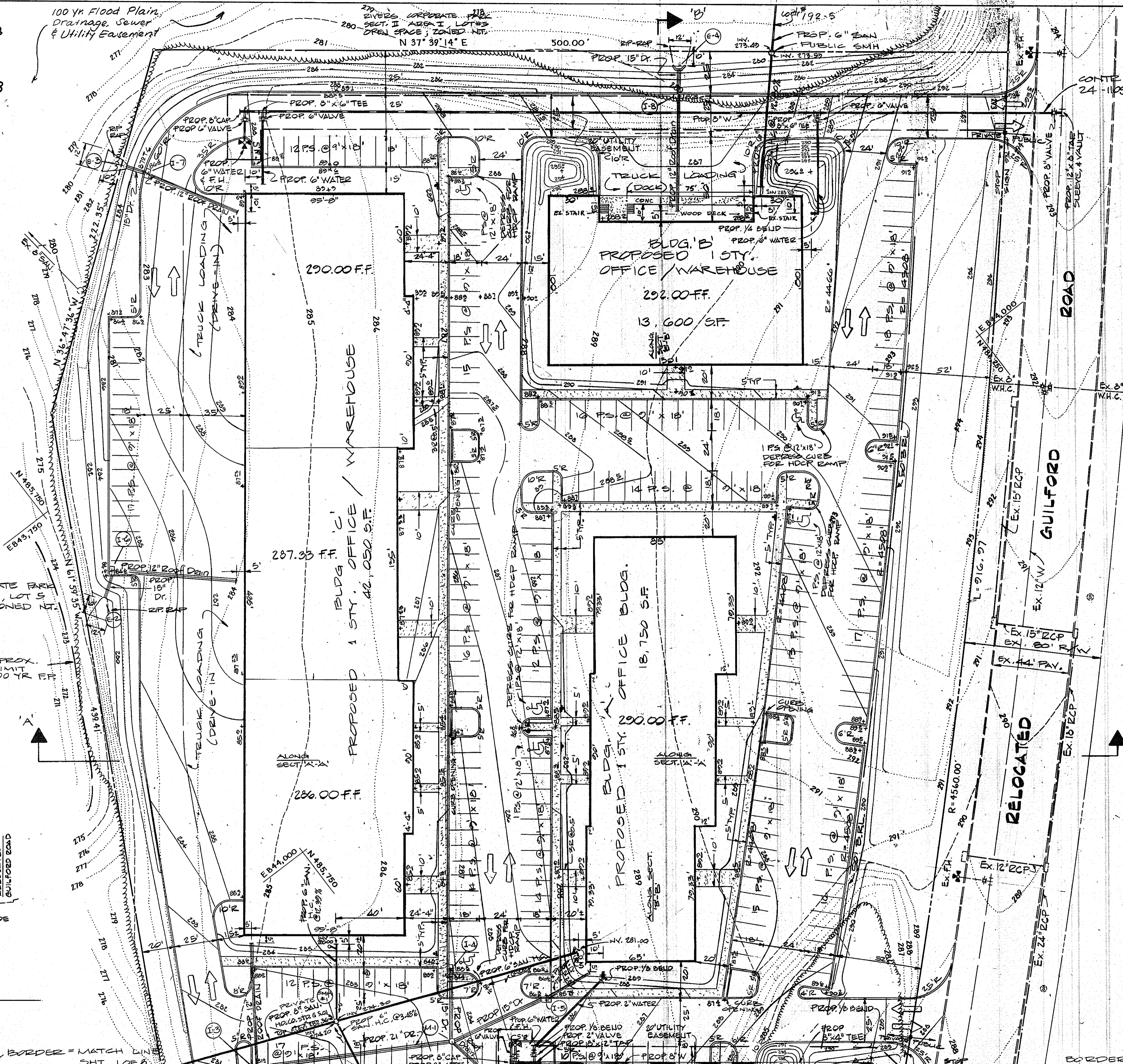
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE: 6/17/83

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE: *T. Rogers* DATE: 6/24/83

THE UNITED STATES SOIL CONSERVATION SERVICE



REFERENCE DRAWINGS

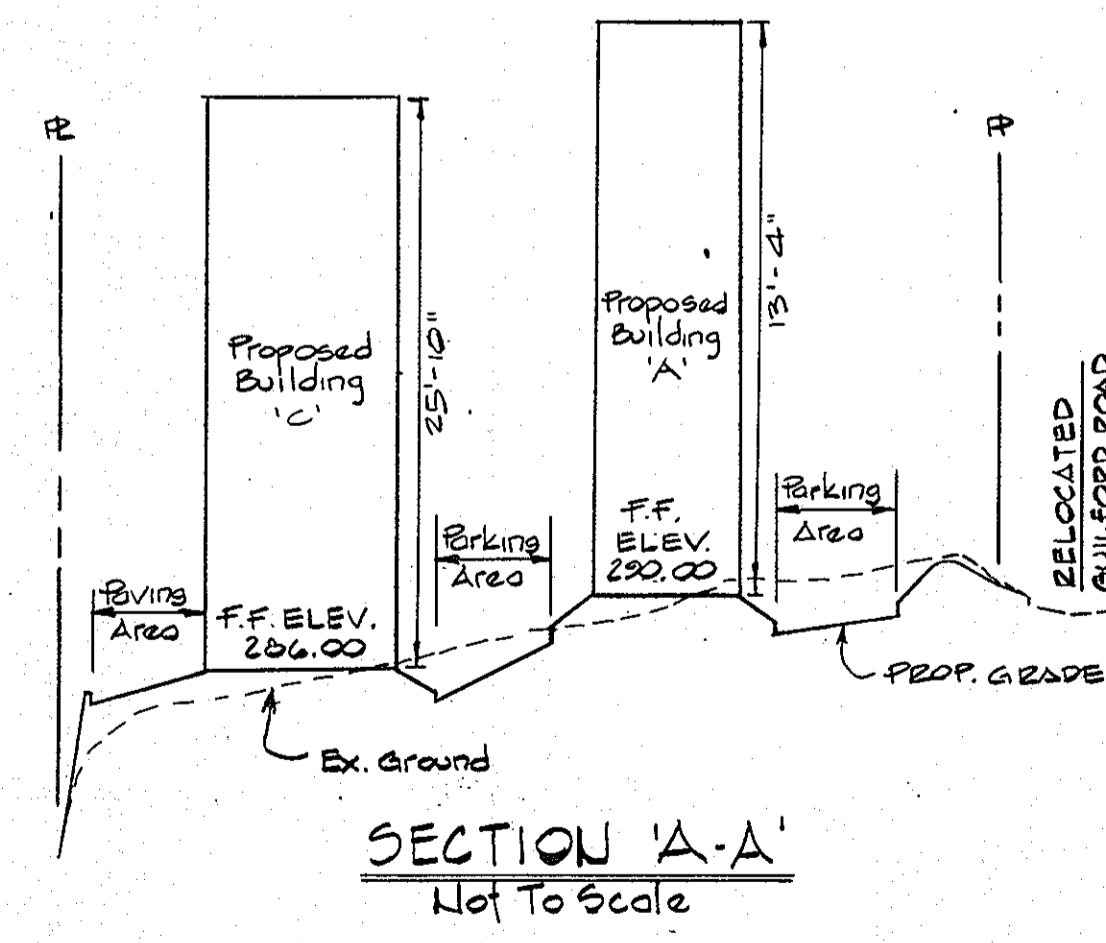
ROAD & DRAIN = F-82-92 SHT 5 & 17 OF 19

WATER & SEWER = CONTR. NO. 24-1012-D SHT. 3 & 5 OF 6

WATER & SEWER = CONTR. NO. 24-1100-D

- GENERAL NOTES
1. Maximum Building Height = 50'.
  2. All areas not being paved or receiving building coverage shall be stabilized in accordance with the plans approved by the Howard Soil Conservation District.
  3. Any damage to public rights-of-way and/or adjacent properties shall be repaired immediately at the Contractor's expense.
  4. The Contractor shall maintain at least a 2' level bench behind all curbs and gutter in fill areas.
  5. The Contractor shall verify all existing utilities to his own satisfaction before starting construction.
  6. All slopes shall be 3:1 or flatter.
  7. All work shall be done in accordance with Howard County Standard Specifications and Details for Construction, or as shown on these plans.
  8. The Contractor shall notify the C.S.P. Telephone Company and the Gas & Electric Company five days prior to starting work shown on these plans by calling "Miss Utility", call collect 1-550-0100.
  9. For details of ramps & steps for the handicapped see the Maryland Building Code for the Handicapped and Aged & ADA SIGNAGE Hierarchy.
  10. The Contractor shall maintain a minimum of 3.5" cover over all proposed water lines.
  11. All rip-rap shall be placed on filter cloth.
  12. The Contractor or Developer shall contact the Construction Inspection/ Survey Division, 24 hours in advance of commencement of work at 992-2417 or 792-1872.

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE 5-4-83



1	REV TO ADD 10' WIDE WOOD DECK AT BUILDING 'B', 4' ABOVE GROUND	3-18-83
NO	REVISION	DATE

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



ENGINEER  
 BY: *Japobrate Chavaly*  
 RES. NO. 6930  
 DATE 3-21-83

OWNER  
 RIVERS CORP ASSOC. LTD.  
 SUITE 100 6000 EXECUTIVE BLVD.  
 ROCKVILLE MARYLAND 20852  
 DONALD TAYLOR (PARTNER)

DEVELOPER  
 GLEN ARM DEVELOPMENT AND  
 CONSTRUCTION CO. INC.  
 1100 OLD CARRIAGE ROAD  
 GLEN ARM, MARYLAND 21037

OWNER  
 BY: *Harold Dimpus*  
 AGENT (DRW)  
 DATE 3/18/83

DESIGN: R.W.R.  
 DRAWN: RAZ.  
 CHECKED: C.C.

REVISION  
 6-15-83 WATER SEWER TO BLDG. 'B'  
 7-25-83 END DIMENSION CHANGED BLDG. 'B'  
 9-15-83 PROP. GRADES & BLDG. 'B' DELETE PIPE FROM I-3 UNDER DRIVE.

SITE PLAN  
 R/D BUSINESS PARK  
 RIVERS CORPORATE PARK  
 SECTION 2, AREA I, PARCEL 'E'  
 COLUMBIA

HOWARD COUNTY, MARYLAND ELECTION DISTRICT #6  
 SCALE: 1"=50'  
 FN. 4758

TAX MAP #42  
 MARCH 18, 1983  
 SHT. 2 OF 8

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

COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-16-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
DATE: 6-17-83

PLANNING DIRECTOR: *[Signature]* DATE: 6-17-83

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 6-17-83

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS, DIRECTOR: *[Signature]* DATE: 6-14-83

CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 6-14-83

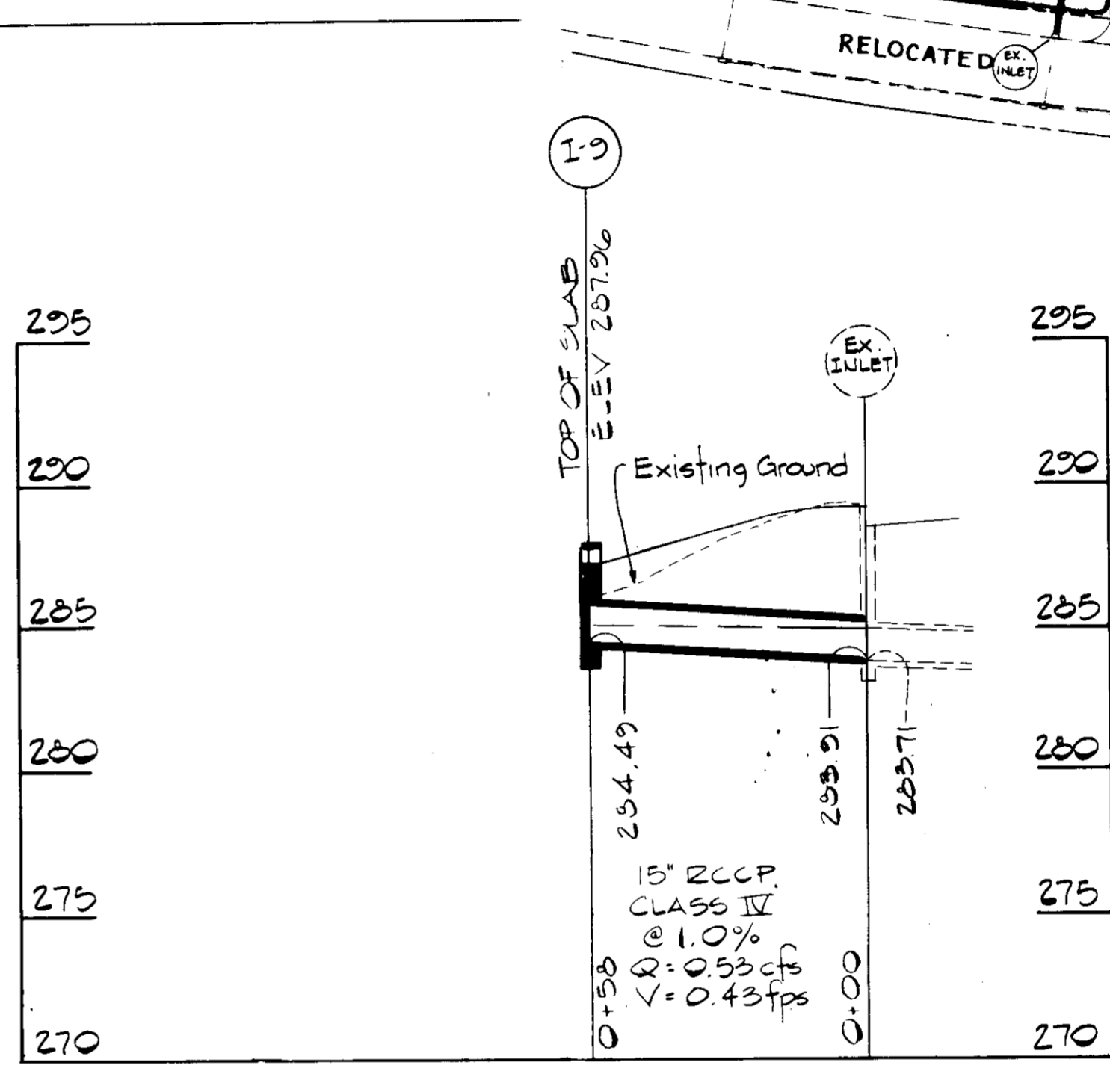
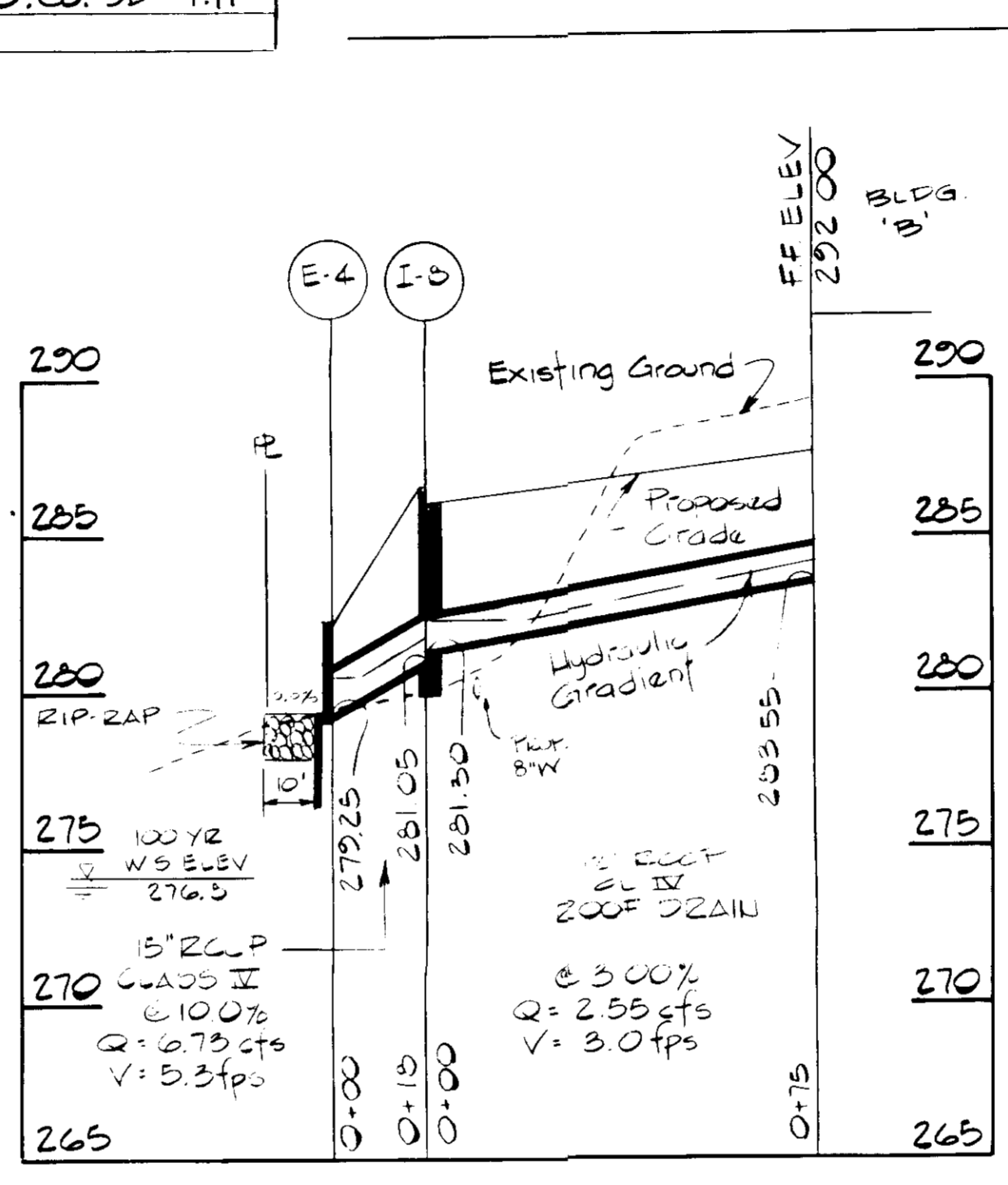
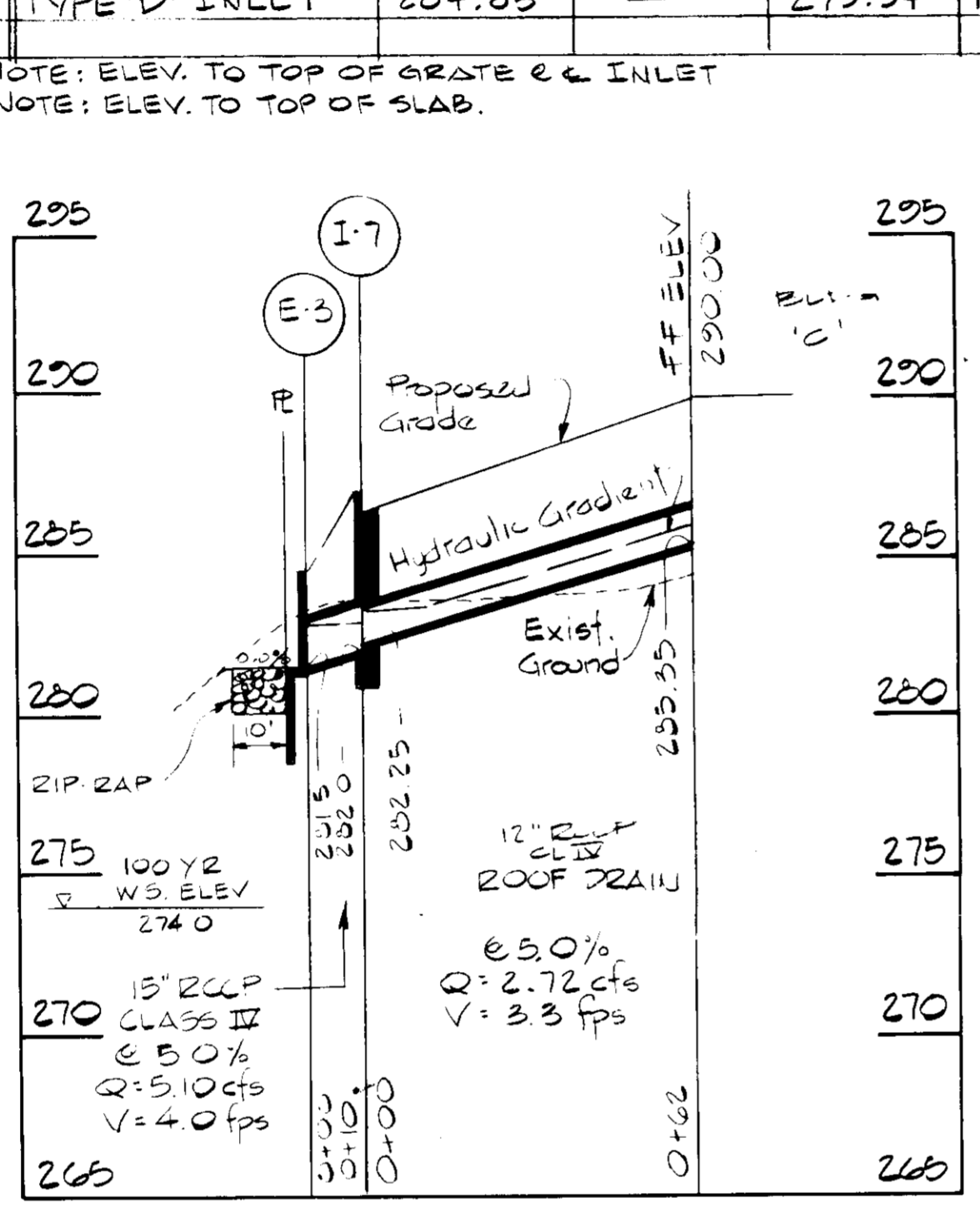
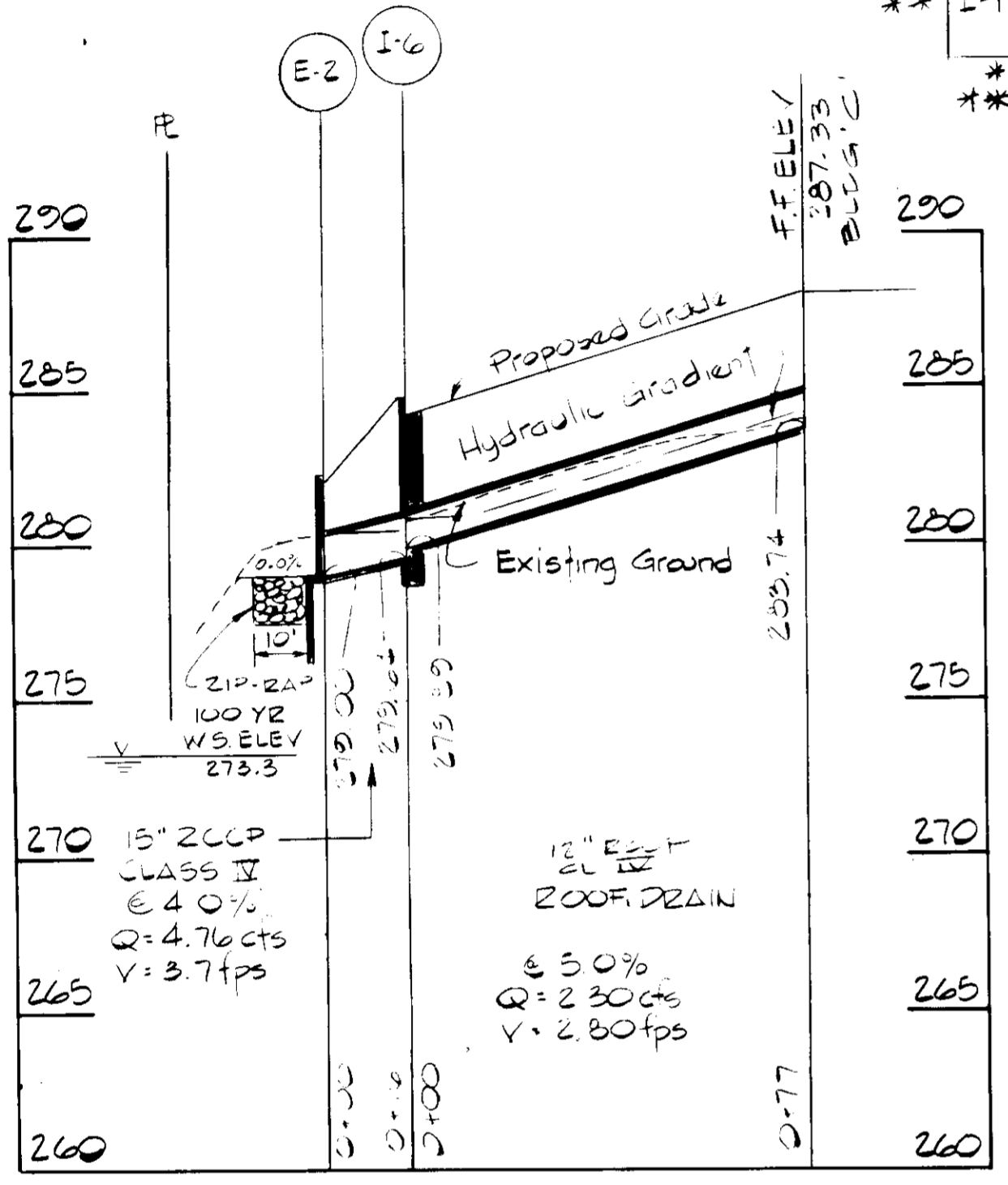
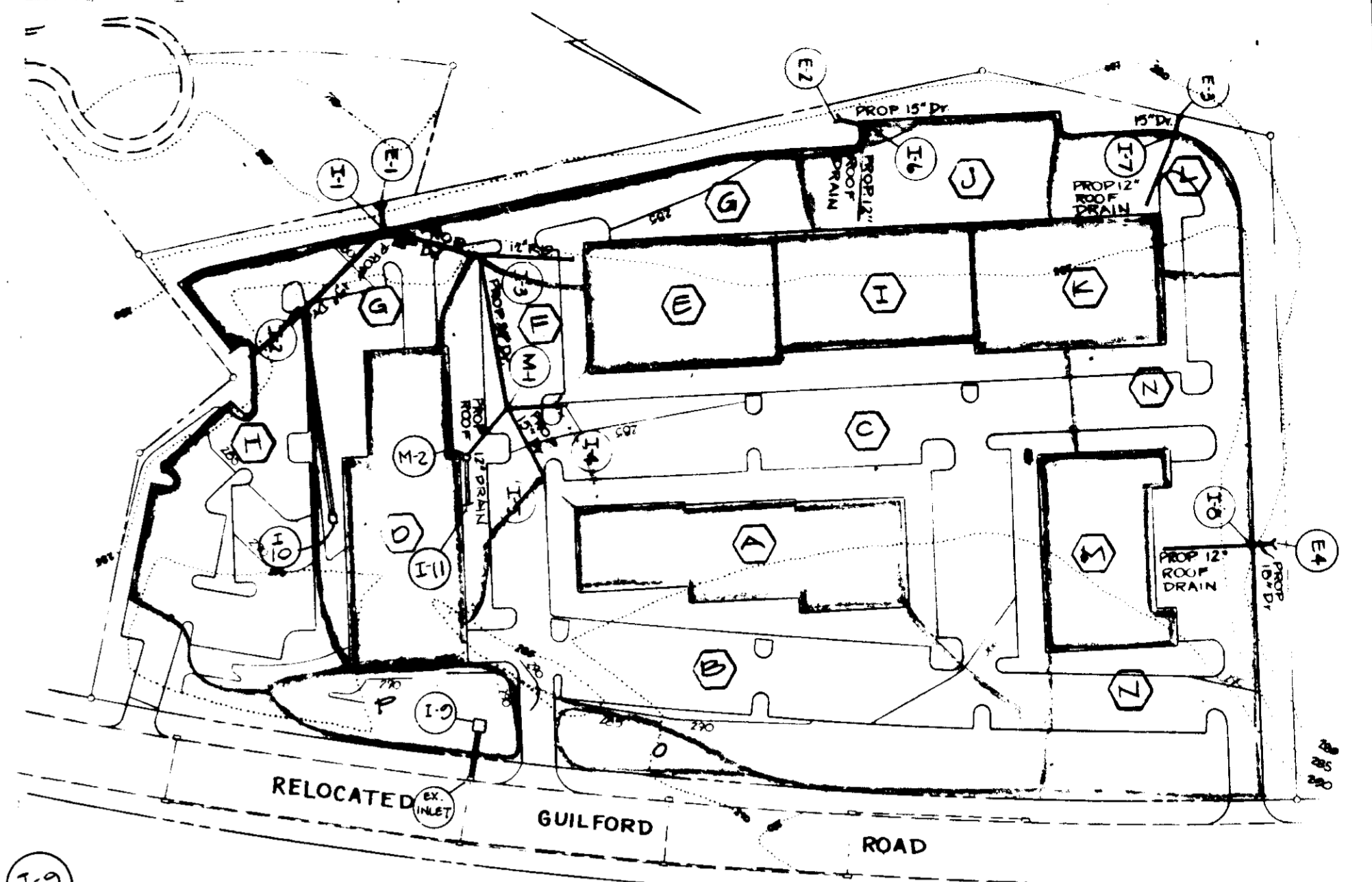
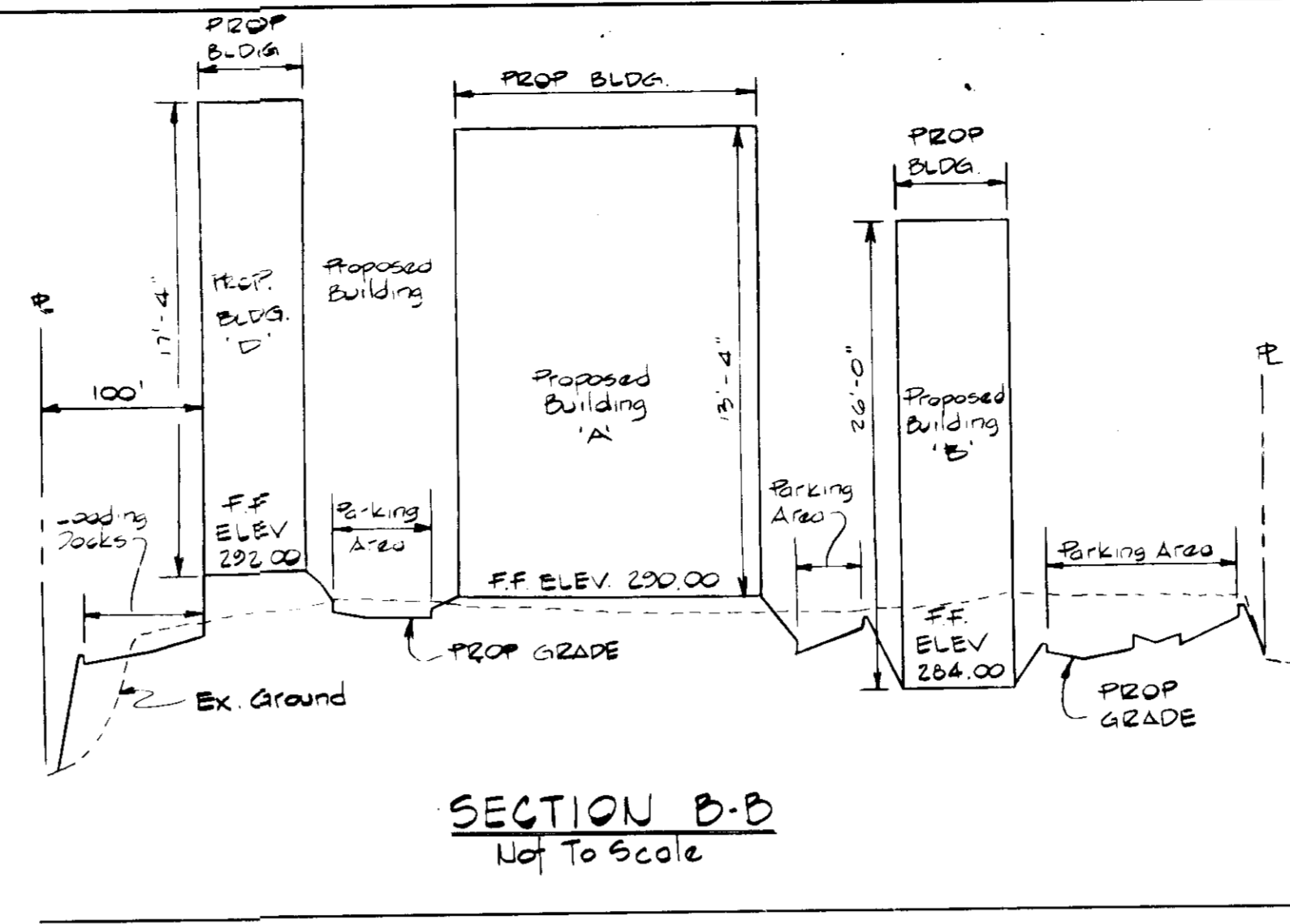
HOWARD SOIL CONSERVATION DISTRICT  
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE: 5/24/83

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
SIGNATURE: *[Signature]* DATE: 5/24/83

THE UNITED STATES SOIL CONSERVATION SERVICE

STRUCTURE SCHEDULE					
NO.	TYPE	TOP ELEV.	INV. IN	INV. OUT	REMARKS
I-1	DOUBLE 'S' COMB. INLET	279.00	275.75	274.75	HO CO. SD-4.34
I-2	DOUBLE 'S' COMB. INLET	281.50	277.25	277.00	HO CO. SD-4.34
I-3	DOUBLE 'S' COMB. INLET	281.00	276.85	275.85	HO CO. SD-4.34
I-4	DOUBLE 'S' COMB. INLET	283.80	279.78	279.78	HO CO. SD-4.34
I-5	DOUBLE 'S' COMB. INLET	285.74	282.10	281.85	HO CO. SD-4.34
I-6	DOUBLE 'S' COMB. INLET	284.00	279.85	279.64	HO CO. SD-4.34
I-7	DOUBLE 'S' COMB. INLET	286.40	282.25	282.00	HO CO. SD-4.34
I-8	DOUBLE 'S' COMB. INLET	286.00	281.50	281.05	HO CO. SD-4.34
I-9	TYPE 'D' INLET	287.96	—	284.45	HO CO. SD-4.11
MH-1	SHALLOW MANHOLE	283.50	279.15	276.40	HO CO. G-5.05
E-1	TYPE 'A' HEADWALL	—	274.62	274.50	HO CO. SD-5.11
E-2	TYPE 'A' HEADWALL	—	—	279.00	HO CO. SD-5.11
E-3	TYPE 'A' HEADWALL	—	—	281.50	HO CO. SD-5.11
E-4	TYPE 'A' HEADWALL	—	—	279.25	HO CO. SD-5.11
MH-2	SHALLOW MANHOLE	284.80	279.59	279.39	HO CO. G-5.05
I-10	TYPE 'D' INLET	282.83	—	278.00	HO CO. SD-4.11
I-11	TYPE 'D' INLET	284.83	—	279.94	HO CO. SD-4.11

\* NOTE: ELEV. TO TOP OF GRATE & INLET  
\*\* NOTE: ELEV. TO TOP OF SLAB.



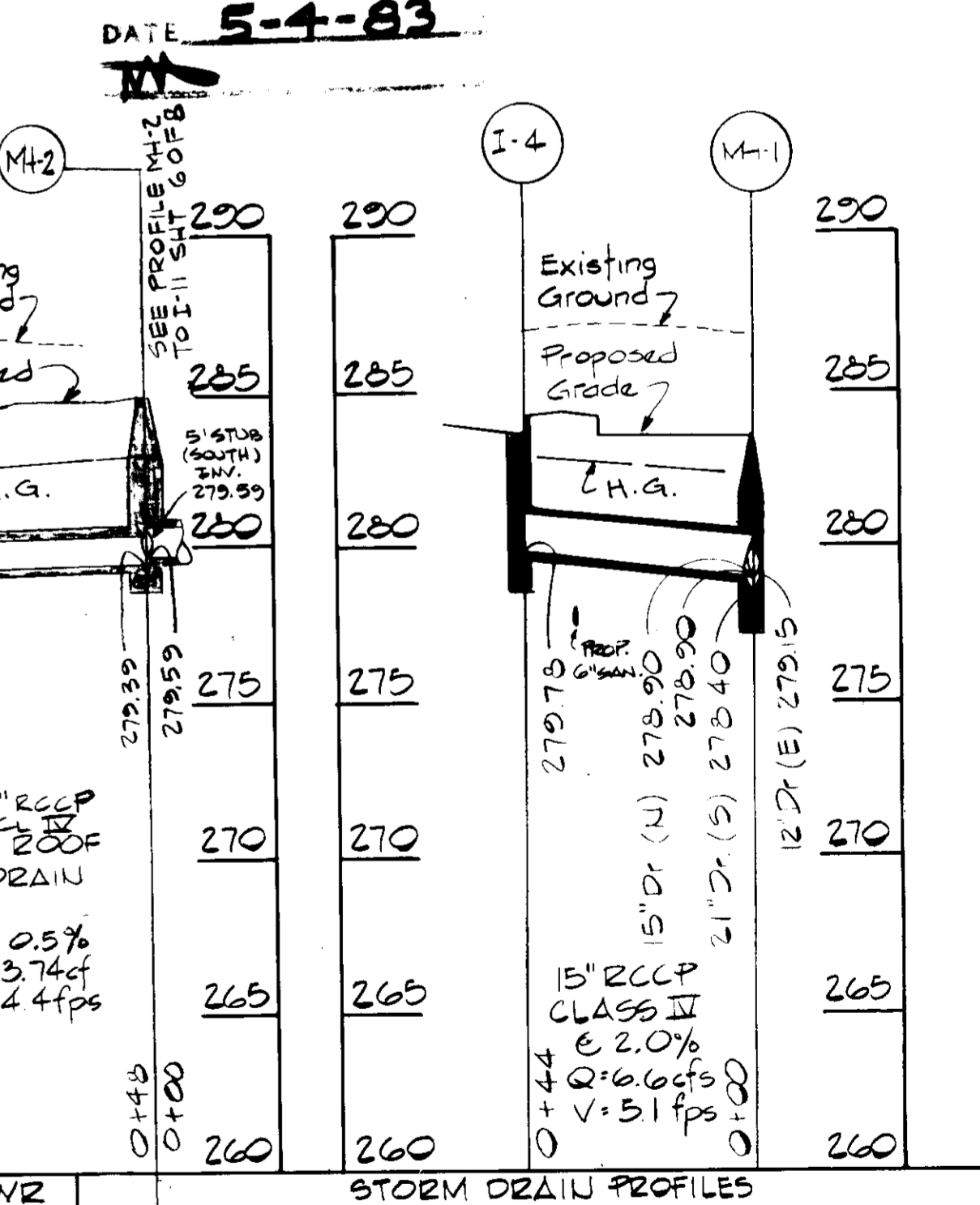
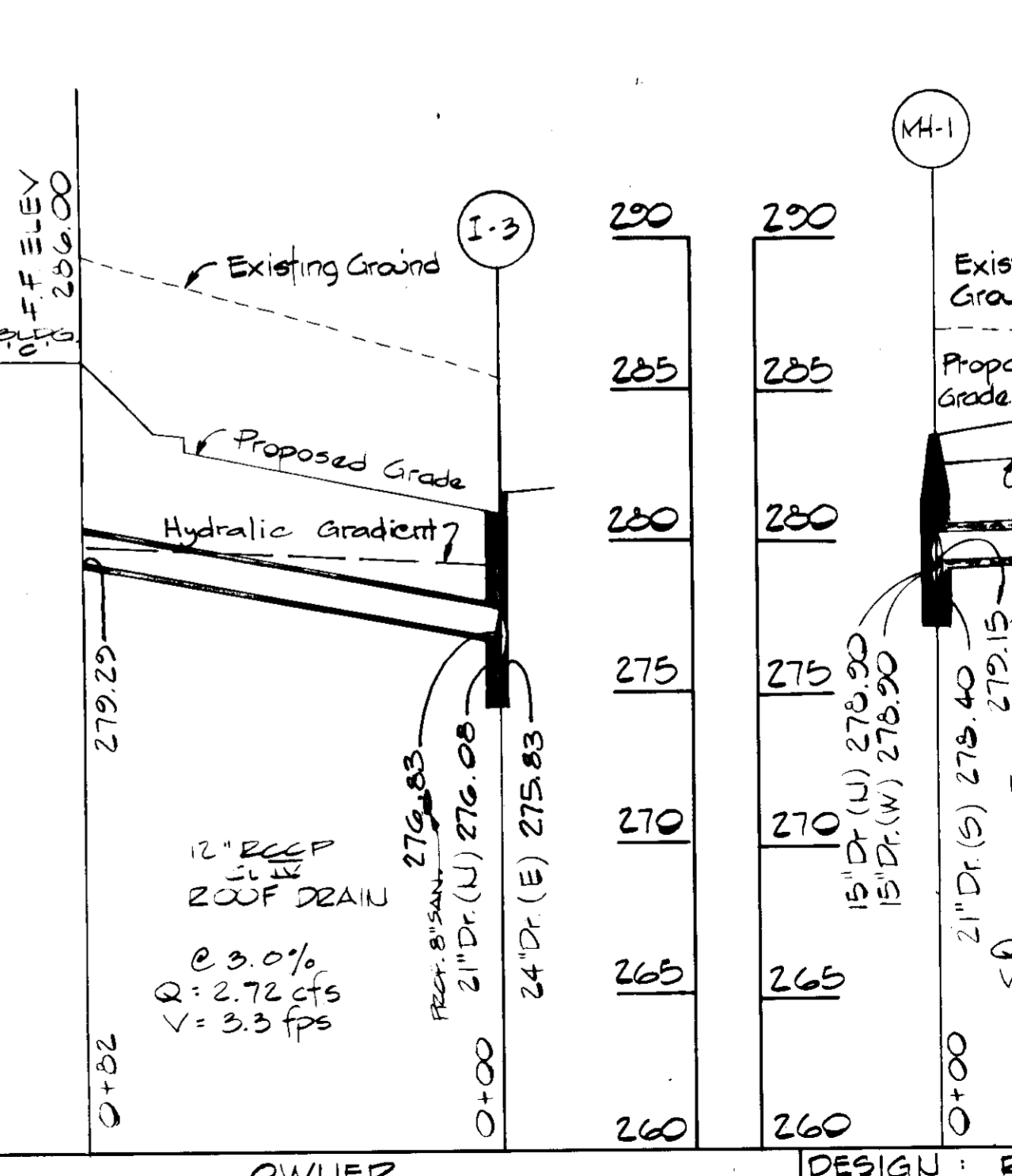
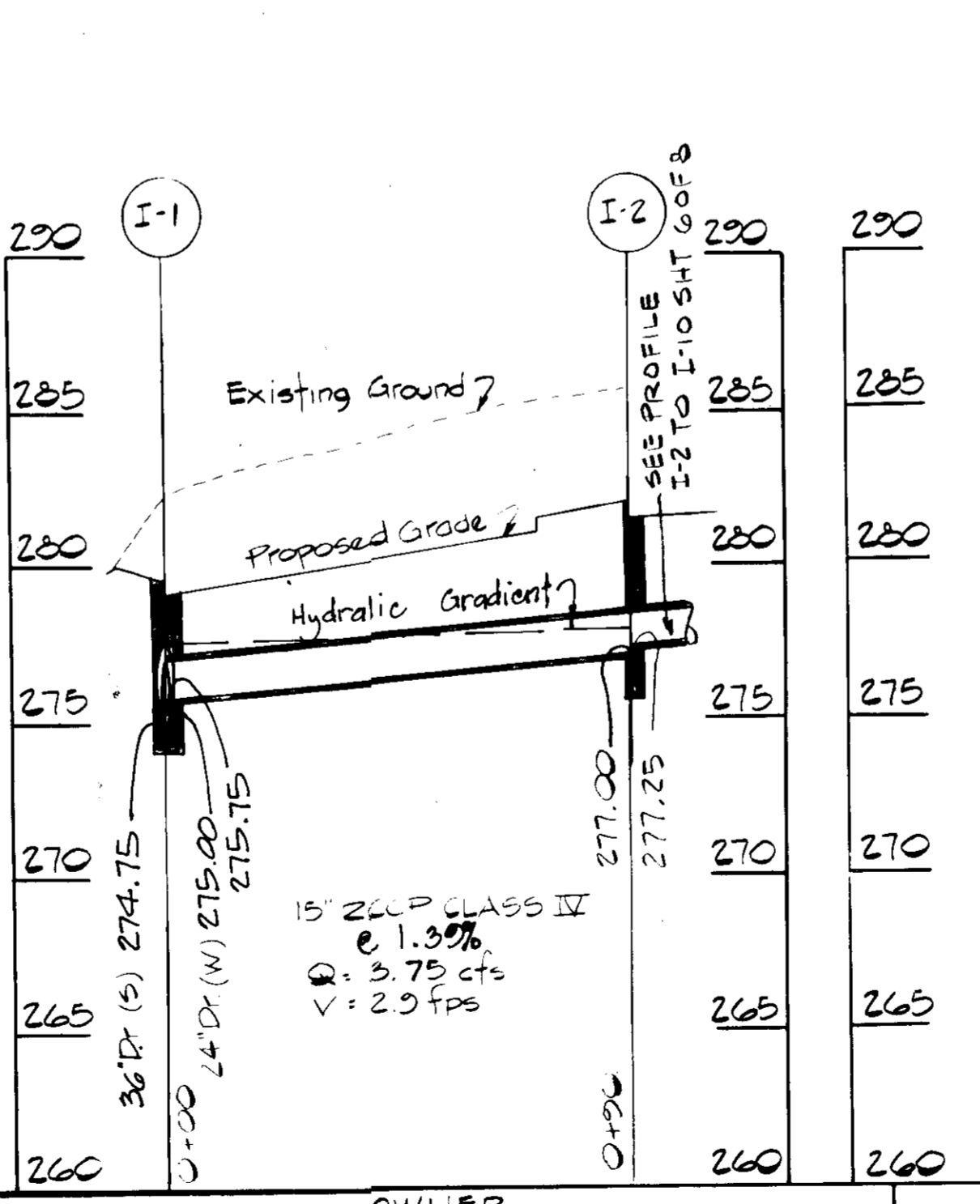
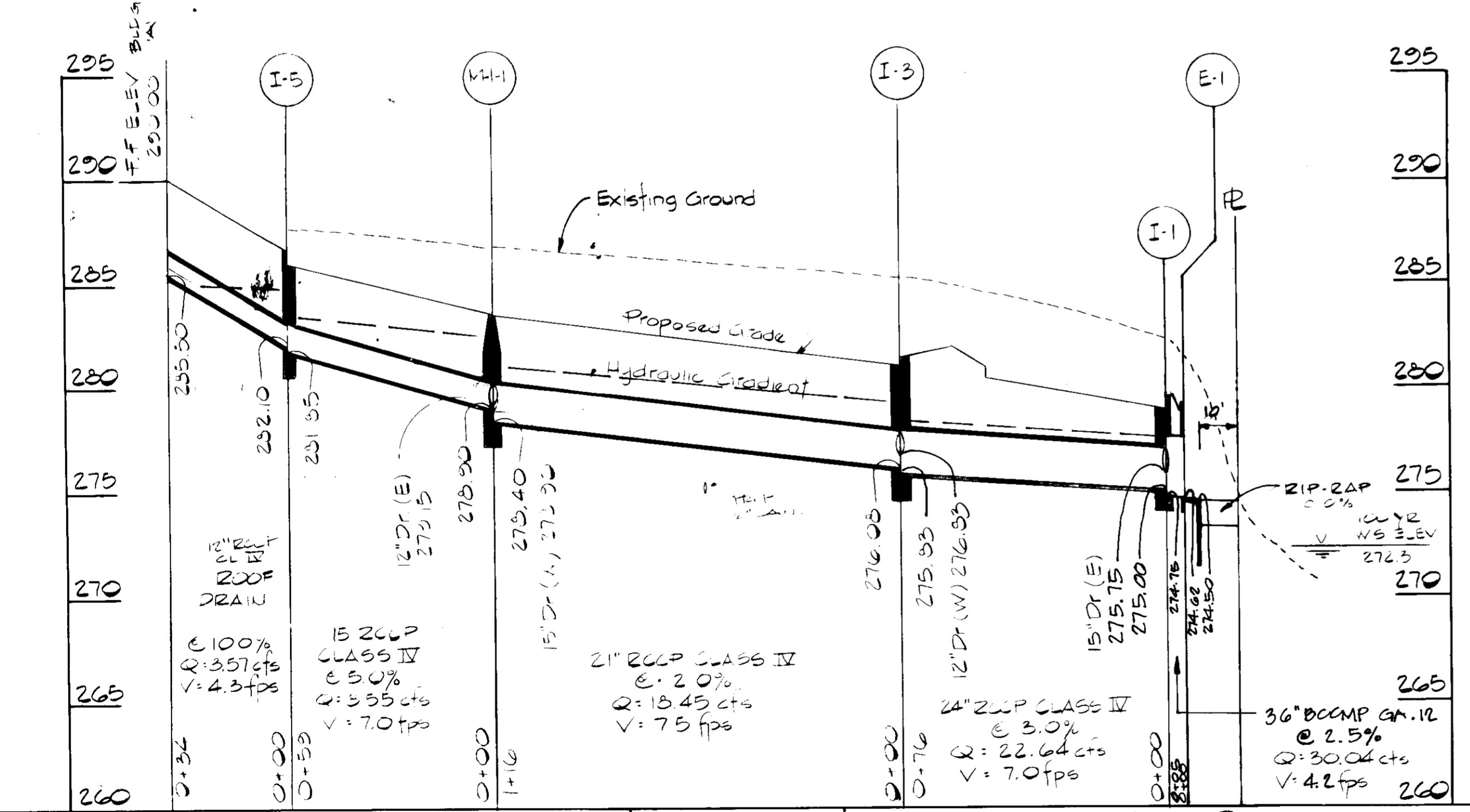
DRAINAGE AREA MAP SCALE: 1"=100'

SEE SHT. 4 OF 8 FOR KIP-RAP DESIGN TABULATION

O.A. TABULATION		
O.A.	A	C
A	0.44	0.95
B	1.10	0.65
C	1.25	0.70
D	0.46	0.95
E	0.34	0.95
F	0.37	0.68
G	0.57	0.81
H	0.70	0.71
I	0.28	0.95
J	0.31	0.95
K	0.34	0.95
L	0.32	0.95
M	0.32	0.95
N	0.87	0.70
O	0.19	0.20
P	0.04	0.30
Q	0.05	0.40

PROFILES SCALE: 1"=50' Horiz. 1"=5' Vert.

APPROVED PLANNING BOARD OF HOWARD COUNTY DATE: 5-4-83



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

ENGINEER  
*[Signature]*  
8930 REG. NO.  
3-21-83 DATE

OWNER  
RIVERS CORP ASSOC. LTD.  
SUITE 100 4000 EXECUTIVE BLVD  
ROCKVILLE, MARYLAND 20852  
DONALD TAYLOR (PARTNER)

DEVELOPER  
GLEU ARM DEVELOPMENT AND  
CONSTRUCTION CO INC  
1100 OLD CARRIAGE ROAD GLEU ARM, MARYLAND 21057

OWNER  
BY: *[Signature]*  
AGENT (DOR)  
DATE

DESIGN: RWR  
DRAWN: RAZ  
CHECKED: TC

REVISIONS

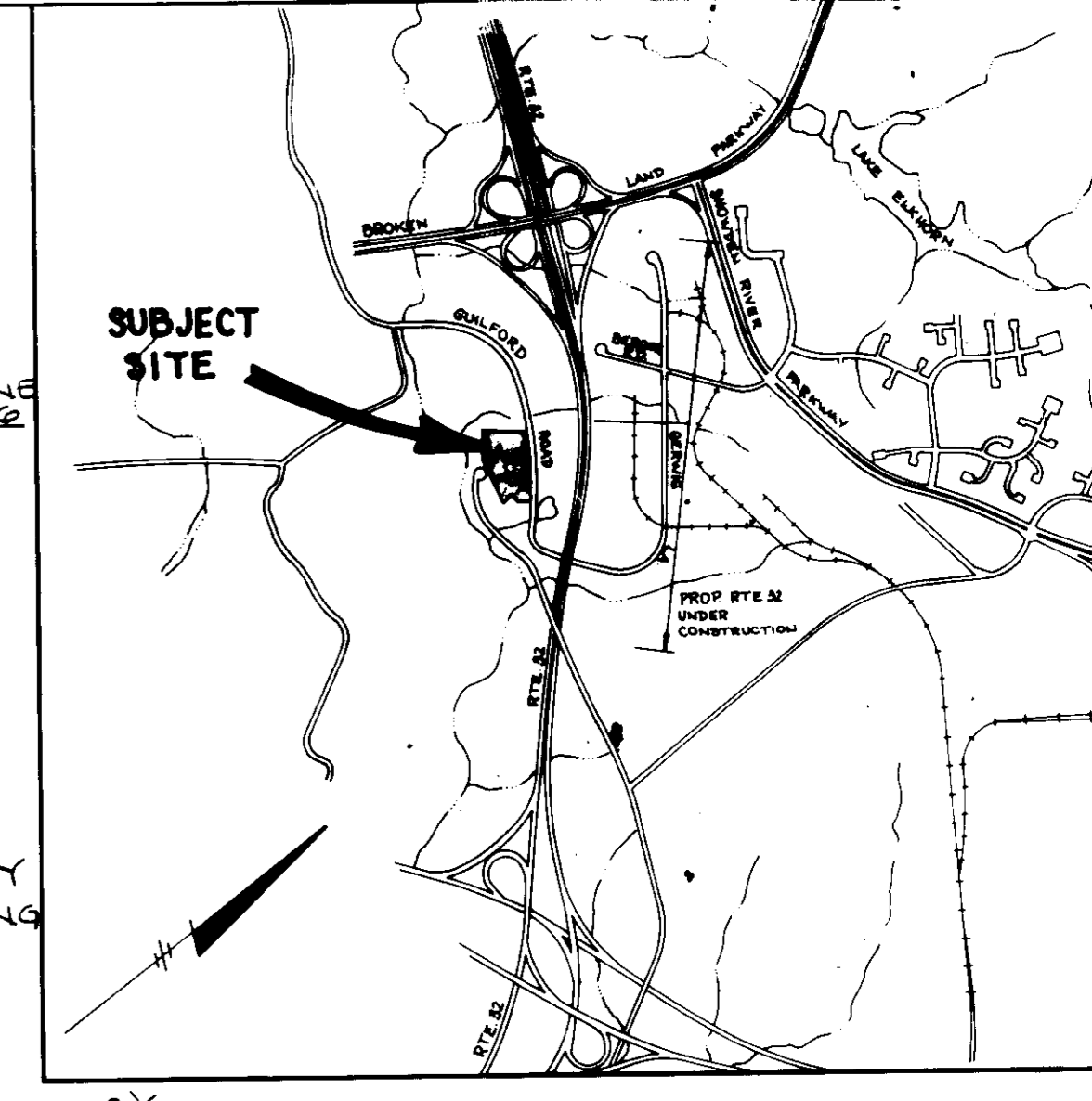
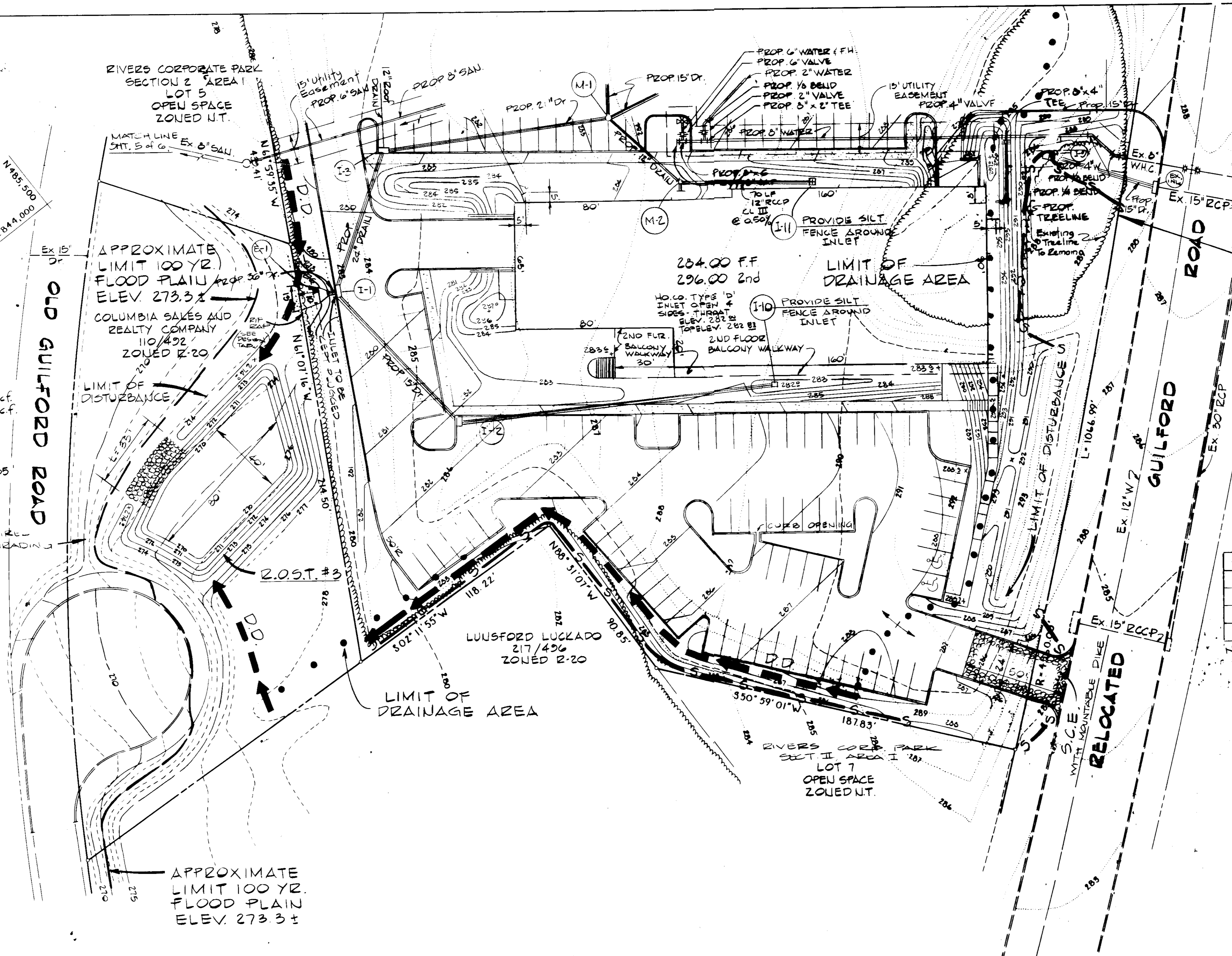
REV. 01: 05' LENGTH & SIZE I-1 TO I-13 ADJUST PERMIT & SCHEDULES ACCORDINGLY  
02: 03' DELETE PIPE TO I-9, ADD MH-2, I-10, I-11 & EX-HED.

STORM DRAIN PROFILES FOR  
**R/D BUSINESS PARK**  
RIVERS CORPORATE PARK  
SECTION 2, AREA 1, PARCEL 'E'  
COLUMBIA  
HOWARD COUNTY, MARYLAND  
SCALE: 1"=50' Horiz. 1"=5' Vert.  
ELECTION DISTRICT #6  
MARCH 18, 1983  
SHT 3 OF 8  
TAX MAP # 42

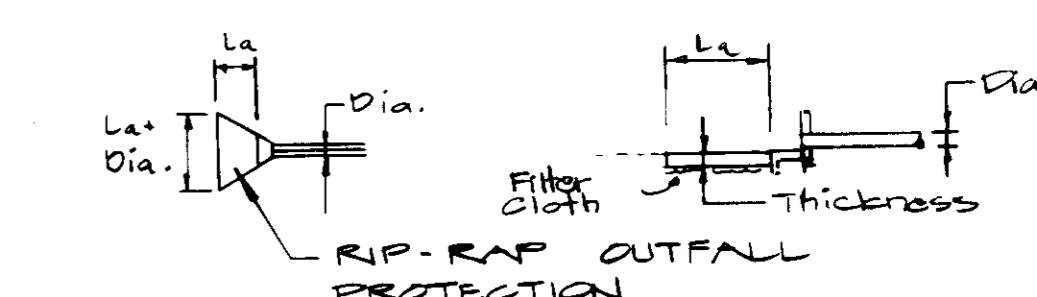
COMPUTATIONS FOR RIP-RAP OUTLET SEDIMENT TRAP #3  
 Drainage Area = 4.8 Ac ± Existing  
 = 5.0 Ac ± Ultimate  
 Volume Required = 5.5 x 67 x 27 = 10,493 cf.  
 Volume Provided To Elev. 273.3 = 12,280 cf.  
 Outlet Crest = 273.0  
 Bottom Of Trap = 270.00  
 Top Of Trap = 274.00  
 Clean Out Elev = 271.5  
 Outlet Length = 5.5 x 6 = 34.8' Use 35'

NOTE: PERMISSION REQUIRED FOR OFF-SITE GRADING

OLD GUILFORD ROAD



PROVIDE SILT FENCE PROTECTION & STABILIZE THIS AREA IMMEDIATELY AFTER GRADING



DESIGN TABULATION

STRUCT.	Q <sub>10</sub>	VEL.	Dia.	L <sub>a</sub>	L <sub>a</sub> + Dia.	d <sub>50</sub>	Thickness
E-1	30.04 cfs	4.2 fps	36"	10'	13'	0.50'	15"
E-2	4.76 cfs	3.7 fps	15"	10'	12'	0.50'	15"
E-3	5.10 cfs	4.0 fps	15"	10'	12'	0.50'	15"
E-4	6.73 cfs	5.3 fps	15"	10'	12'	0.50'	15"

NOTE: ALL RIP-RAP SHALL BE PLACED ON FILTER CLOTH

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-6-83  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR: *[Signature]* DATE: 6-17-83  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 6-17-83  
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* DATE: 6-14-83  
 CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 6-14-83  
 HOWARD SOIL CONSERVATION DISTRICT  
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE: 6-17-83  
 REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
 SIGNATURE: *[Signature]* DATE: 3-24-83  
 THE UNITED STATES SOIL CONSERVATION SERVICE

APPROVED  
 PLANNING AND ZONING  
 OF HOWARD COUNTY  
 DATE: 5-4-83  
*[Signature]*

AREA OF SUBMITTAL = 3.0 Ac ±  
 TOTAL DISTURBED AREA = 0.0 Ac ±  
 AREA TO BE VEGETATIVELY STABILIZED = 3.0 Ac ±

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

ENGINEER'S CERTIFICATE  
 I hereby 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]* 8930 3-21-83  
 TAPOBRATA CHAKRABARTI REG. NO. DATE

OWNER  
 RIVERS CORP ASSOC. LTD.  
 SUITE 100 6000 EXECUTIVE BLVD.  
 ROCKVILLE MARYLAND 20852  
 DONALD TAYLOR (PARTNER)  
 DEVELOPER  
 GLEN ARM DEVELOPMENT AND CONSTRUCTION CO. INC.  
 1100 OLD CARRIAGE ROAD GLEN ARM, MARYLAND 21057

OWNER'S CERTIFICATE  
 I hereby certify that all development and/or construction will be done according to this plan of development and plan for erosion and sediment control and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. I also certify that any responsible person involved in the construction of this project will have a certificate of attendance at a Department of Natural Resources approved training program for the control of sediment & erosion before beginning the project.  
 BY: *[Signature]* TITLE: Accountant (PWS) DATE: 3-21-83

DESIGN: RWR  
 DRAWN: RAZ  
 CHECKED: TC  
 REVISIONS  
 6-13-83: LENGTH & SIZE  
 8-1 TO 2-11-83: WATER SEEN TO BE PROPERLY PLACED  
 8-13-83 REV. PER SHT 1.

GRADING, EROSION & SEDIMENT CONTROL PLAN #02  
 R/D BUSINESS PARK  
 RIVERS CORPORATE PARK  
 SECTION 2, AREA 1, PARCEL 'E'  
 COLUMBIA  
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT #6  
 SCALE: 1" = 30' TAX MAP #42 MARCH 18, 1983  
 P.U. 4758 SHT 4 OF 5  
 S.D.P. 83-412

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
HOWARD COUNTY DEPARTMENT

COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-16-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
PLANNING DIRECTOR: *[Signature]* DATE: 6-17-83

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 6-17-83

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

DIRECTOR: *[Signature]* DATE: 6-17-83

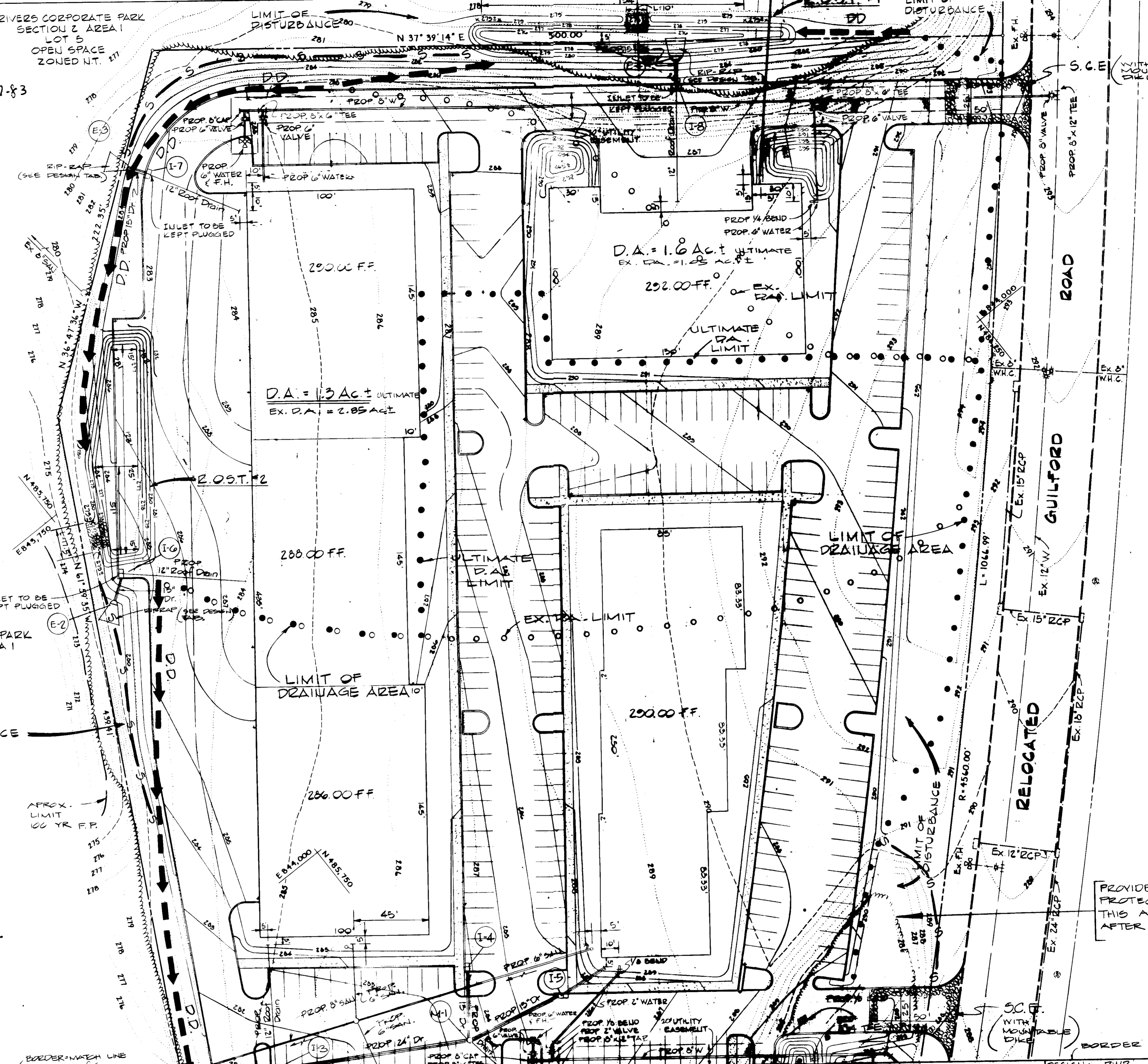
CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 6-17-83

HOWARD SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. DATE: 6-17-83

APPROVED: HOWARD SOIL CONSERVATION DISTRICT  
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE: *[Signature]* DATE: 6-17-83  
THE UNITED STATES SOIL CONSERVATION SERVICE



COMPUTATIONS FOR R/P-ZAP OUTLET SEDIMENT TRAP #1

Drainage Area = 1.05 AC ± Existing  
= 1.6 AC ± Ultimate

Volume Required = 1.6 x 67 x 27 = 2895 c.f.  
Volume Provided To Elev. 278.0 = 3500 c.f.

Outlet Crest Elev. = 278.0  
Bottom Of Trap Elev. = 276.0  
Top Of Trap Elev. = 279.0  
Cleanout Elev. = 277.0  
Outlet Length = 1.6 x 6 = 9.6', Use 10.0'

COMPUTATIONS FOR R/P-ZAP OUTLET SEDIMENT TRAP #2

Drainage Area = 2.85 AC ± Existing  
Drainage Area = 1.3 AC ± Ultimate

Volume Required = 2.85 x 67 x 27 = 5156 c.f.  
Volume Provided To Elev. 279.0 = 6120 c.f.

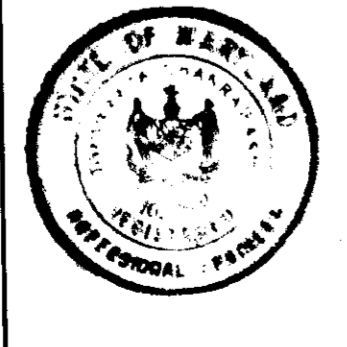
Outlet Crest = 279.00  
Bottom Of Trap = 227.00  
Top Of Trap = 280.00  
Clean Out Elevation = 278.0  
Outlet Length = 2.85 x 6 = 17.1', Use L=17.5'

RIVERS CORPORATE PARK SECTION 2 AREA 1 LOT 5 OPEN SPACE ZONED NT.

PROVIDE SILT FENCE PROTECTION & STABILIZE THIS AREA IMMEDIATELY AFTER GRADING

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 5-4-83

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



ENGINEER'S CERTIFICATE

I Herby 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]* 8930 3-2-83  
TAPOBHATA CHAKRABARTI REG NO DATE

OWNER  
RIVERS CORP. ASSOC. LTD.  
SUITE 100 GOOD EXECUTIVE BLDG.  
ROCKVILLE MARYLAND 20852  
DONALD TAYLOR (PARTNER)

DEVELOPER  
GLEN ARM DEVELOPMENT AND CONSTRUCTION CO. INC  
1108 OLD CARriage ROAD, GLEN ARM, MARYLAND 21057

OWNER'S CERTIFICATE

I Herby Certify That All Development And/Or Construction Will Be Done In Accordance With This Plan For Erosion And Sediment Control And I Also Certify That I Have Accepted Responsibility For The Erosion And Sediment Control Measures Approved For This Project. I Also Certify That Any Responsible Person Involved In The Construction Project Will Have A Certificate Of Attendance In The Department Of Natural Resources Approved Training Program For The Control Of Sediment & Erosion Before Beginning The Project.

BY: *[Signature]* TITLE: *[Title]* DATE: 3/1/83

DESIGN: ZWR  
DRAWN: RAZ  
CHECKED: TC

REVISIONS  
6-13-83, WATER COVER  
9-13-83 REV. PER SHT

GRADING, EROSION & SEDIMENT CONTROL PLAN FOR R/D BUSINESS PARK

RIVERS CORPORATE PARK SECTION 2, AREA 1, PARCEL 'E' COLUMBIA

HOWARD COUNTY, MARYLAND ELECTION DISTRICT #6  
SCALE: 1" = 30' TAX MAP #42 MARCH 15, 1983  
P.U. 4755 SHT 5 OF 8

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

COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-16-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR: *[Signature]* DATE: 6-17-83

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 6-17-83

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* DATE: 6-14-83

CHIEF, BUREAU OF PLANNING AND ZONING: *[Signature]* DATE: 6-14-83

HOWARD SOIL CONSERVATION DISTRICT  
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE: *[Signature]*

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
 SIGNATURE: *[Signature]* DATE: 3/24/83  
 THE UNITED STATES SOIL CONSERVATION SERVICE

- ### SEQUENCE OF CONSTRUCTION
1. Notify The Howard County Department Of Licenses & Permits Inspector 48 Hrs. Prior To Beginning Any Work
  2. Install Stabilized Construction Entrances.
  3. Construct Rip-Rap Outlet Sediment Trap 1, 2 & 3.
  4. Install Diversion Dikes & Silt Fence Maintaining Drainage Area Limits As Shown.
  5. Start Major Grading Adjusting Erosion Control Measures To Maintain Drainage Areas & Drainage To Traps.
  6. Install Utilities; Keep All Inlets Plugged Until Stabilization Has Been Achieved.
  7. Construct Foundations & Curbs Placing Sub-Base Materials On Building & Parking Areas As Soon As Possible.
  8. Complete Major Grading
  9. Stabilize All Areas Outside Of Bldg. & Paving Areas; Pave All Drive & Parking & Loading Areas.
  10. Remove All Remaining Diversion Dikes & Silt Fences & Stabilize Those Areas.
  11. Clean Out Traps, Backfill & Pave Or Stabilize As Required After Obtaining Permission From The Sediment Control Inspector.

1. Any change to the grading proposed on this plan must be re-submitted to the Soil Conservation District.
2. All slopes 3:1 or steeper shall be stabilized with "Permanent Slope Seeding" immediately after grading operation (see note #12, #21 WHERE ALLOWED).
3. All other disturbed areas not intended to be paved or receive building coverage shall be stabilized with "Permanent Seeding" (see note #11).
4. Any damage to diversion dikes, sediment trap, etc. during grading operation or utility installation shall be repaired immediately.
5. The sediment trap shall be cleaned out when silt deposits reach elevation shown on the plan.
6. No sediment control measure shall be removed without permission from the Sediment Control Inspector.
7. Upon installation of storm drains, inlets shall be kept plugged until site is stabilized. Positive drainage must be maintained at all times.
8. During the layout of sediment control practices shown hereon, minor adjustments can and will be made to assure 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.
9. All site work is to be done in accordance with "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.
10. At the end of each working day, all sediment control measures will be inspected and left in operational condition.

### APPROXIMATE EARTH QUANTITIES

EXCAVATION 22,690 C.Y.±  
 #LESS TOPSOIL 4035 C.Y.±

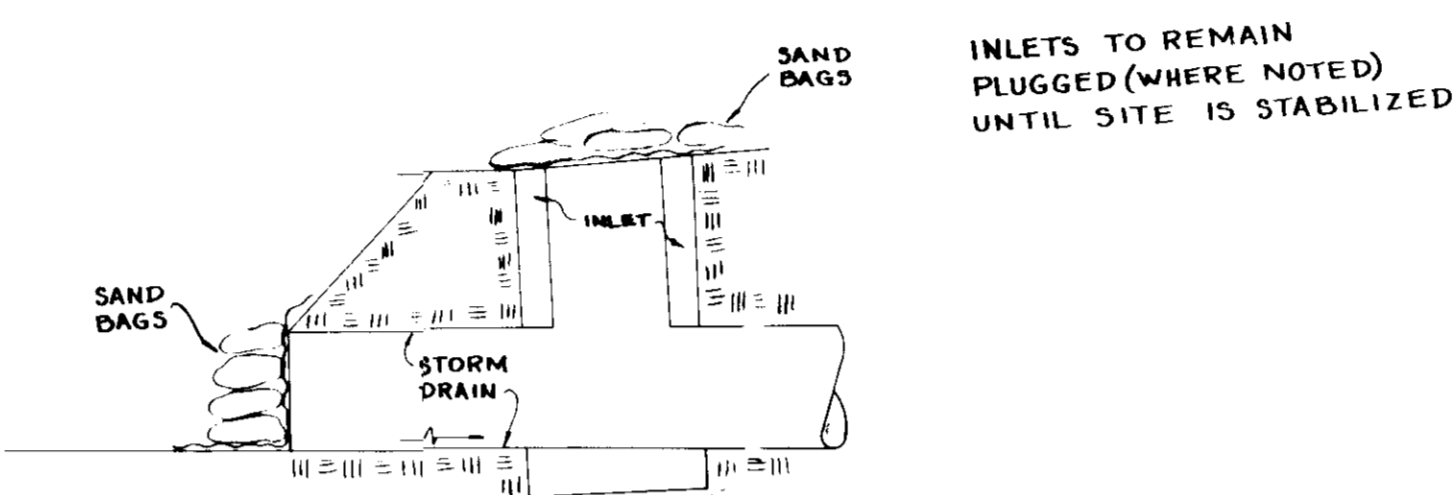
USABLE MATERIAL 18,655 C.Y.±  
 FILL REQUIRED 15505 C.Y.±  
 10% COMPACTION 1599 C.Y.±  
 TOTAL FILL 17,056 C.Y.±

#EXCESS MATERIAL 1599 C.Y.±

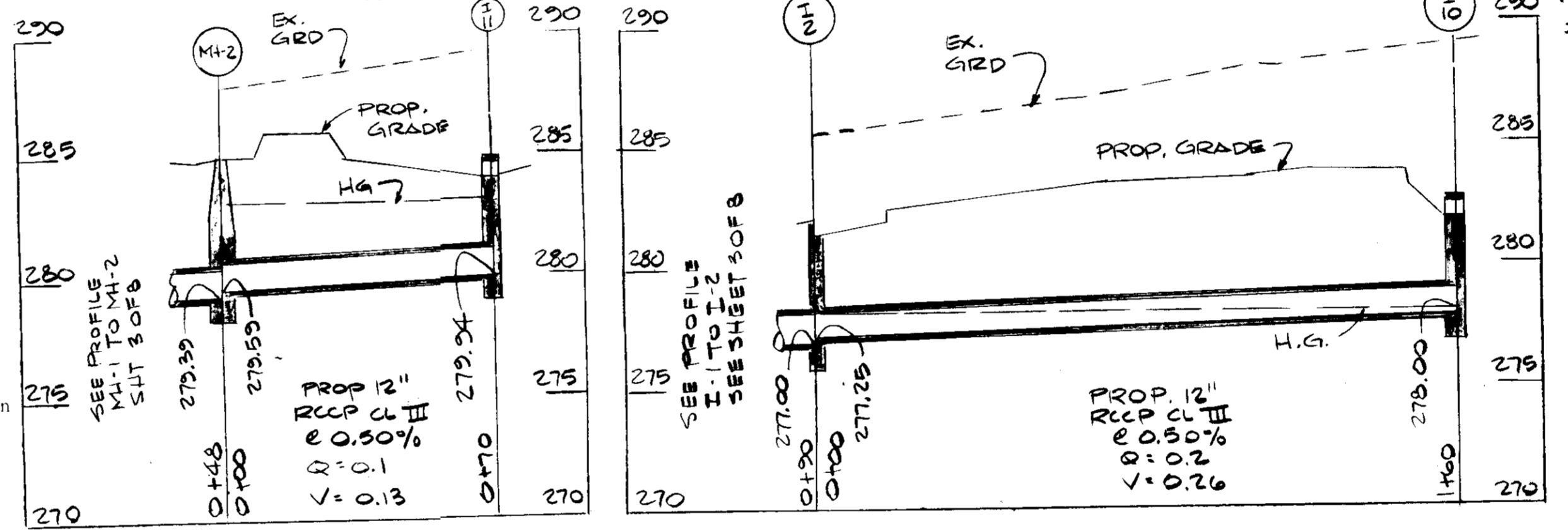
#NOTE: ALL EXCESS UNDESIRABLE MATERIAL SHALL BE REMOVED FROM THE SUBJECT SITE & DISPOSED ON A SITE W/APPROVED SEDIMENT CONTROL MEASURES IN PRACTICE.

### INTERIM STORM DRAIN PLUGGED DETAIL

N.T.S.



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



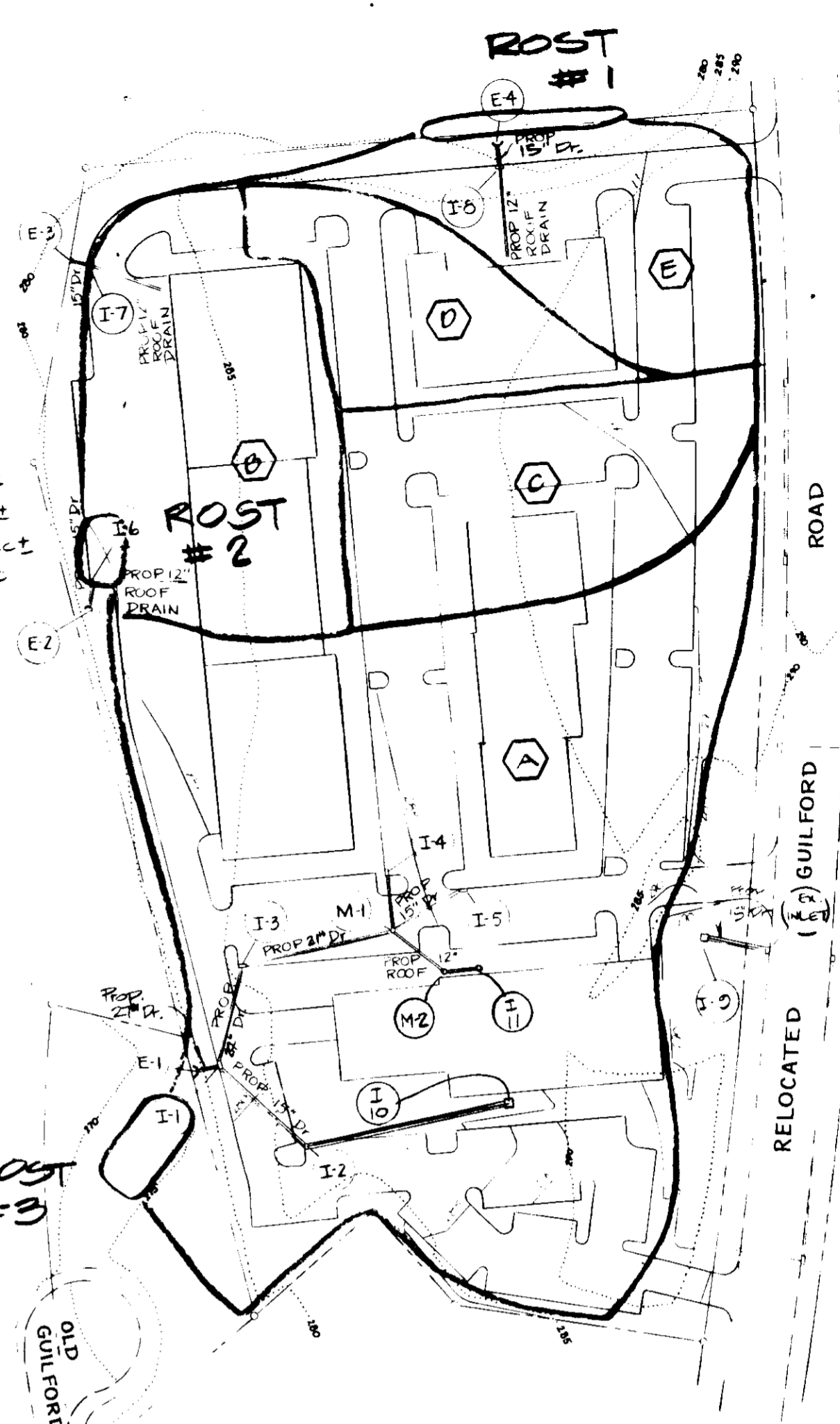
### DRAINAGE AREA TABULATION

AREA	AREA
A	4.80 AC±
B	1.30 AC±
C	1.00 AC±
D	0.55 AC±
E	1.05 AC±

### TRAP NO. EXISTING ULTIMATE

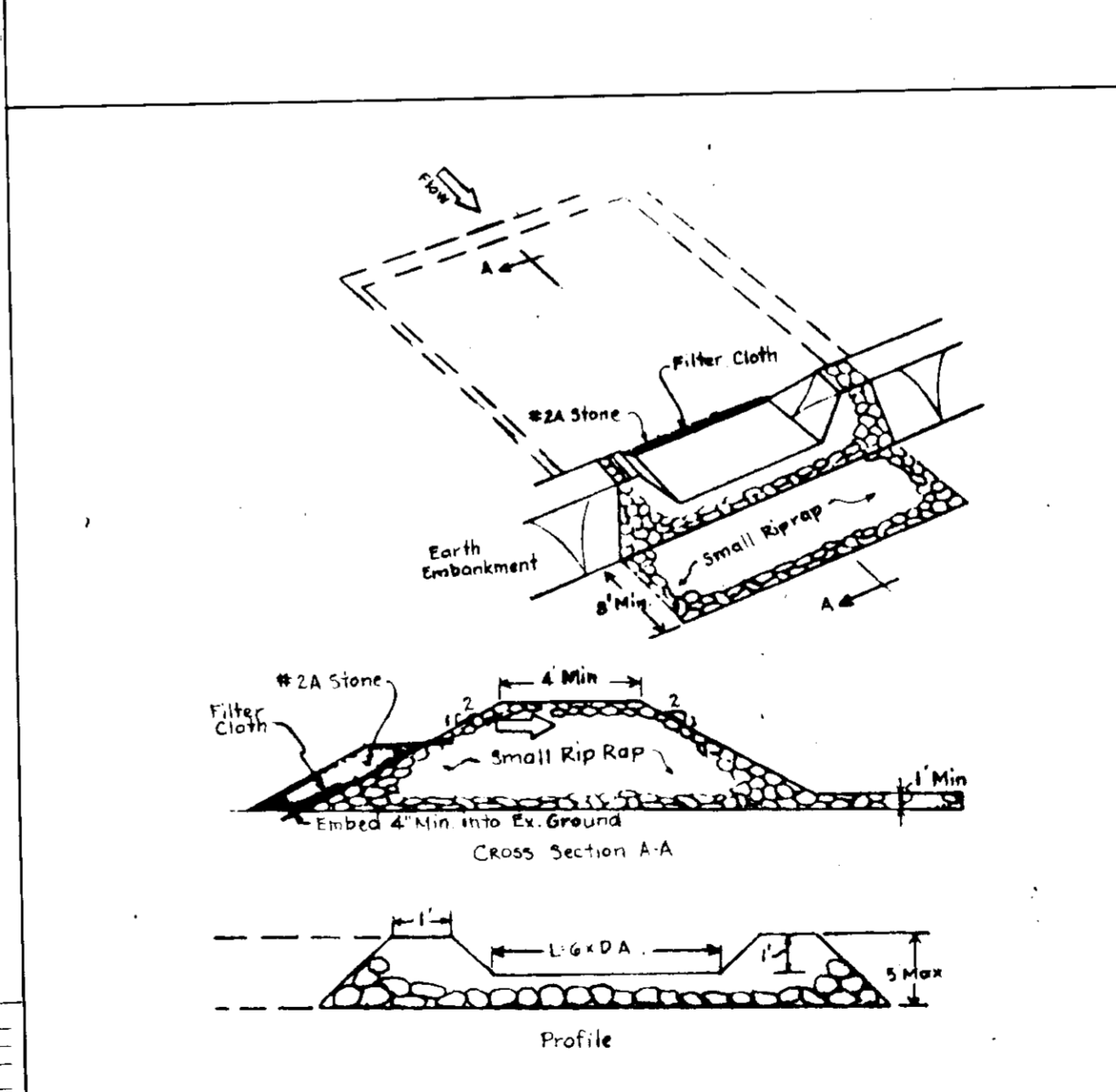
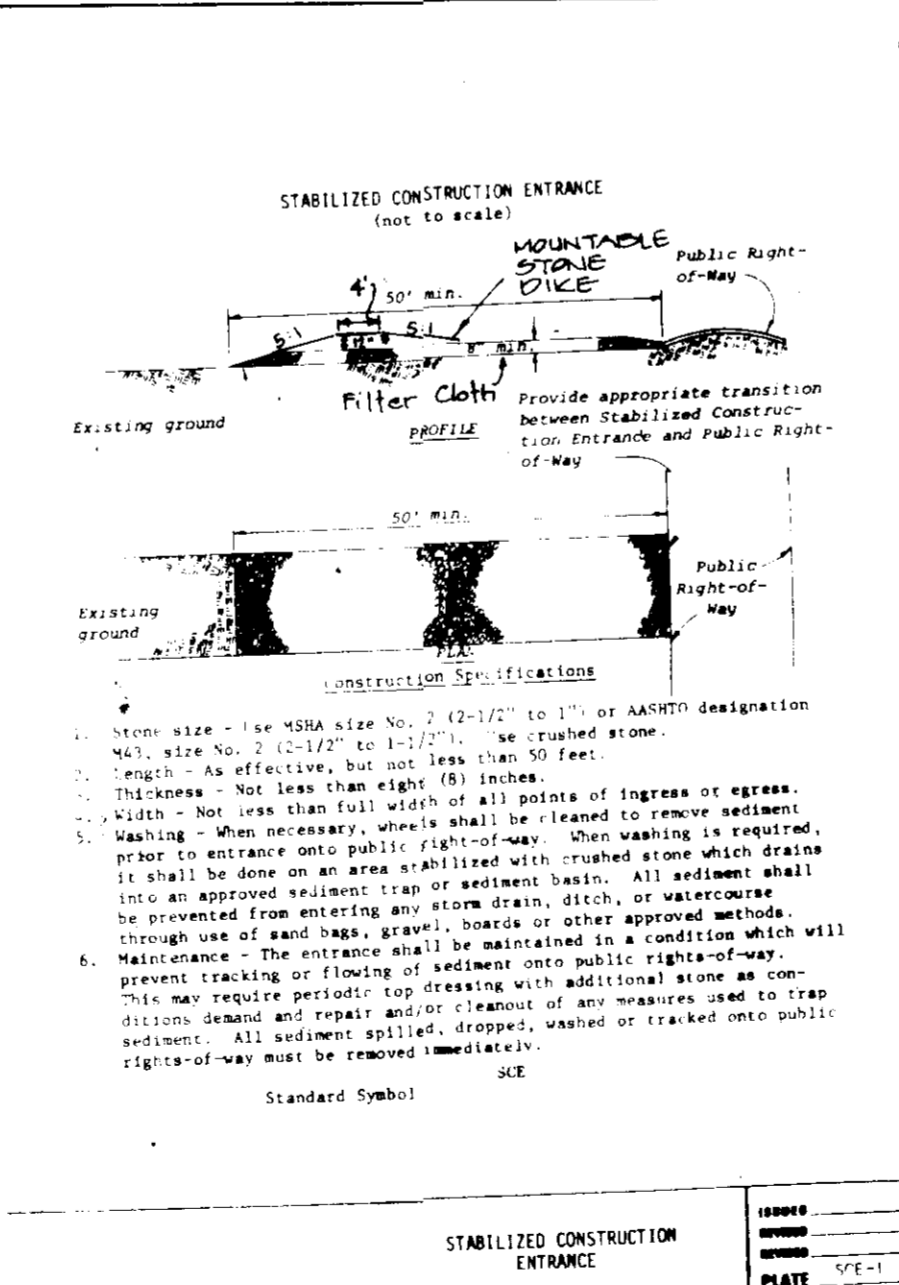
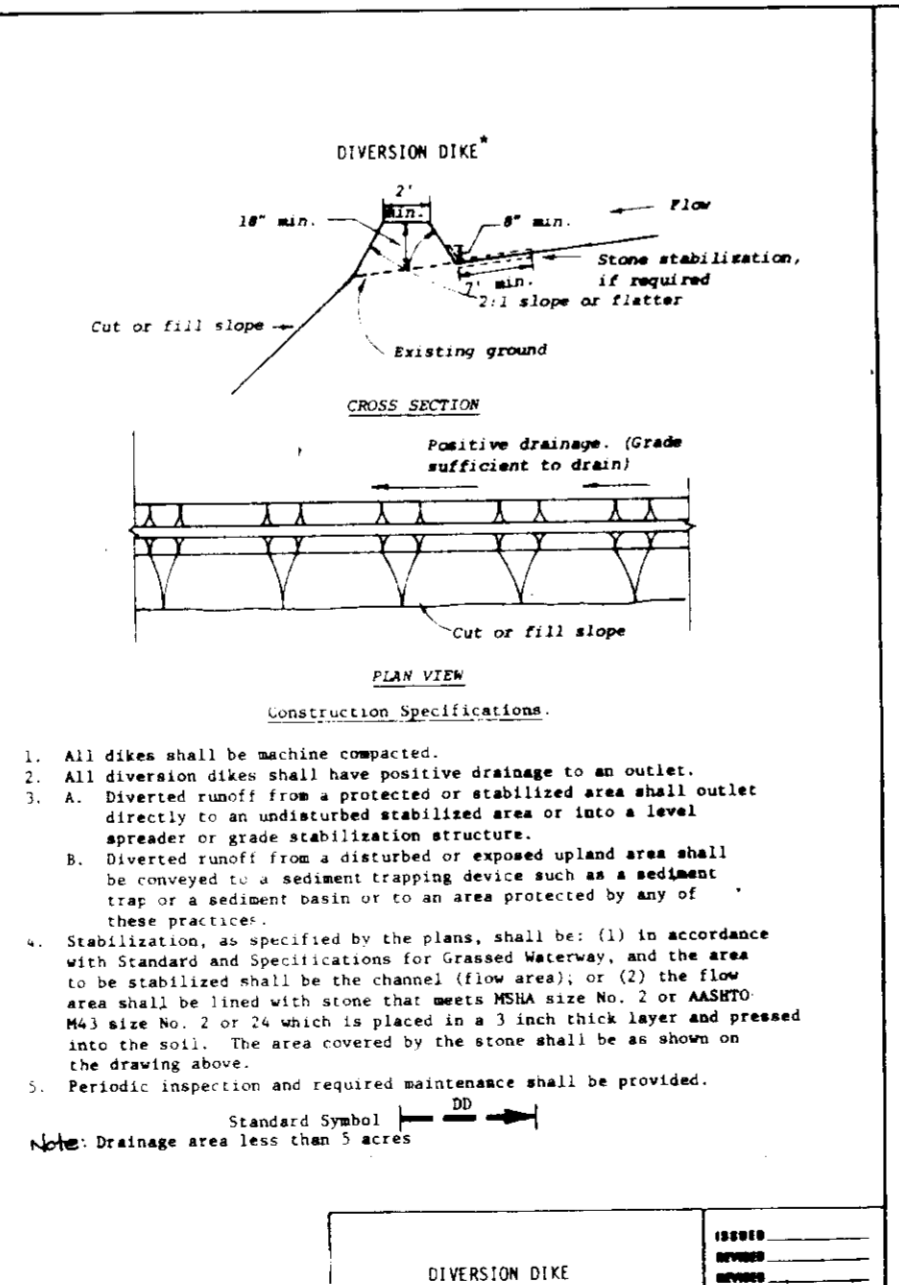
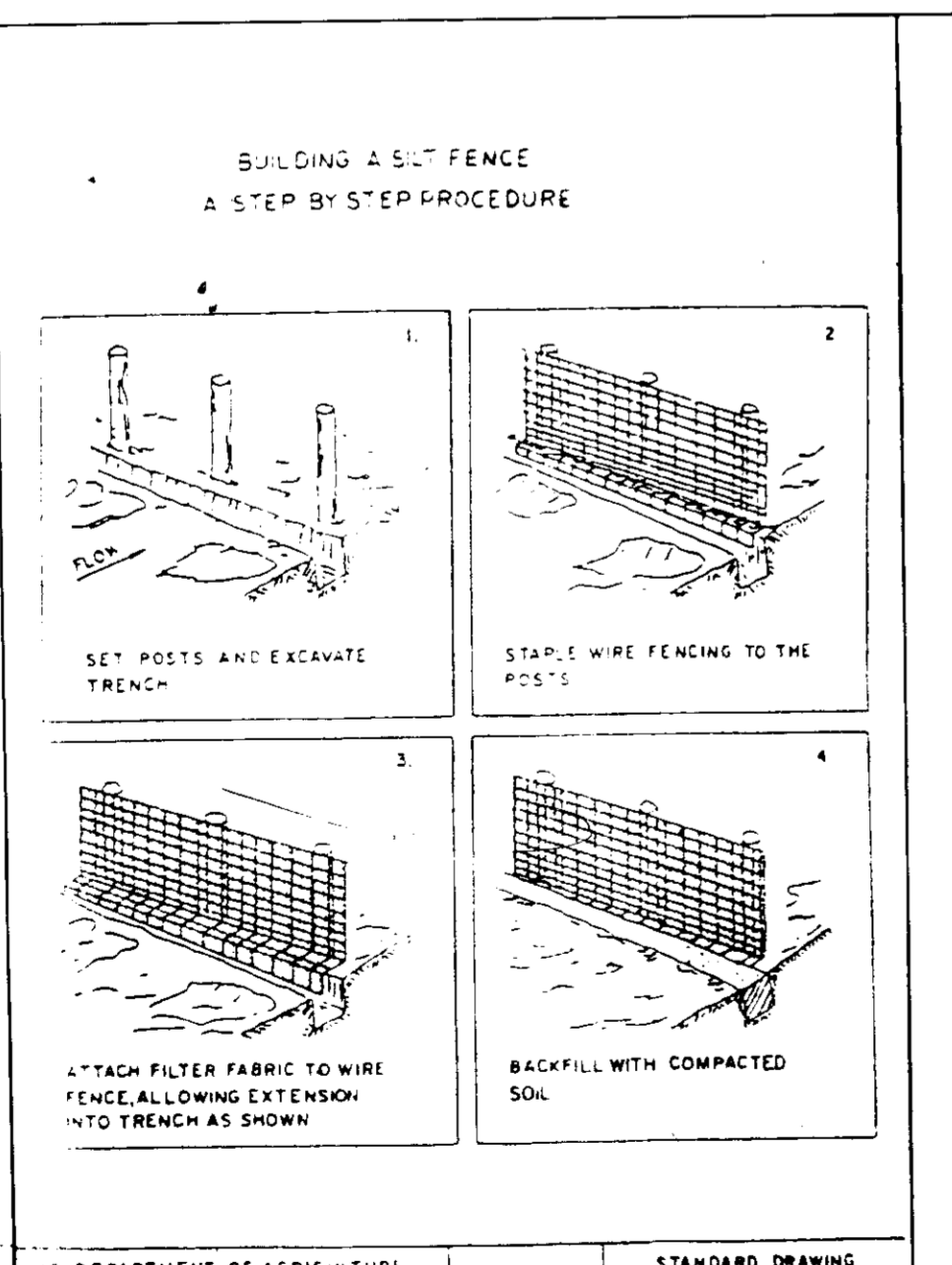
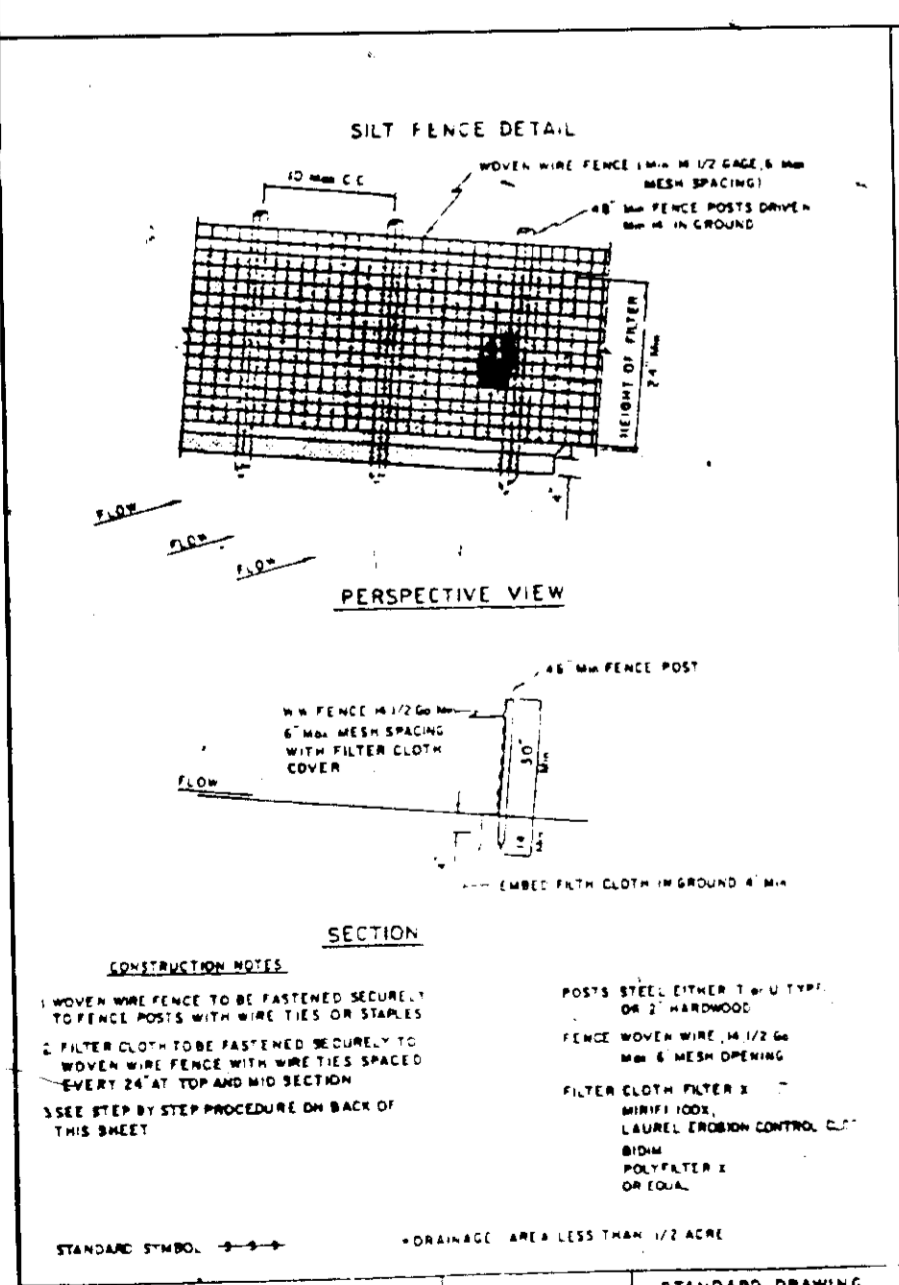
#1	E=1.05 AC±	D/E=1.00 AC±
#2	B+C+D=2.85 AC±	B=1.30 AC±
#3	A=4.80 AC±	A+C=5.80 AC±

NOTE: ALL TRAPS DESIGNED FOR LARGEST D.A.



EROSION CONTROL DRAINAGE AREA MAP  
 SCALE: 1"=100'

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE 5-4-83  
*[Signature]*



- ### CONSTRUCTION SPECIFICATIONS
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
  2. The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
  3. All cut and fill slopes shall be 2:1 or flatter.
  4. The stone used in the outlet shall be small riprap 3" - 15", with a 1' thickness of #24 crushed stone placed on the up-grade side of the small riprap.
  5. Filter cloth will be placed between riprap and #24 stone along inlet face of trap. It shall be embedded a minimum of 1" into existing ground at toe of riprap and extended onto crest of exit channel.
  6. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
  7. The structure shall be inspected after each rain and repairs made as needed.
  8. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
  9. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
  10. Drainage area for this practice is limited to 5 acres or less, or As Approved.

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

ENGINEER'S CERTIFICATE  
 I Herby 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]* 8930 3-21-83  
 TAPOBRATA CHAKRABARTI REG NO. DATE

OWNER  
 RIVERS CORP ASSOC. LTD.  
 SUITE 100 GOOD EXECUTIVE BLDG.  
 ROCKVILLE, MARYLAND 20852  
 DONALD TAYLOR (PARTNER)

DEVELOPER  
 GLEU ARM DEVELOPMENT AND  
 CONSTRUCTION CO INC.  
 1102 OLD CARRIAGE ROAD GLEU ARM, MARYLAND 21051

OWNER'S CERTIFICATE  
 I Herby Certify That All Development And/Or Construction Will Be Done According To This Plan Of Development And Plan For Erosion And Sediment Control And I Also Authorize Periodic On-Site Inspection By The Howard Soil Conservation District Or Their Authorized Agents As Are Deemed Necessary. I Also Certify That Any Responsible Person 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 & Erosion Before Beginning The Project.

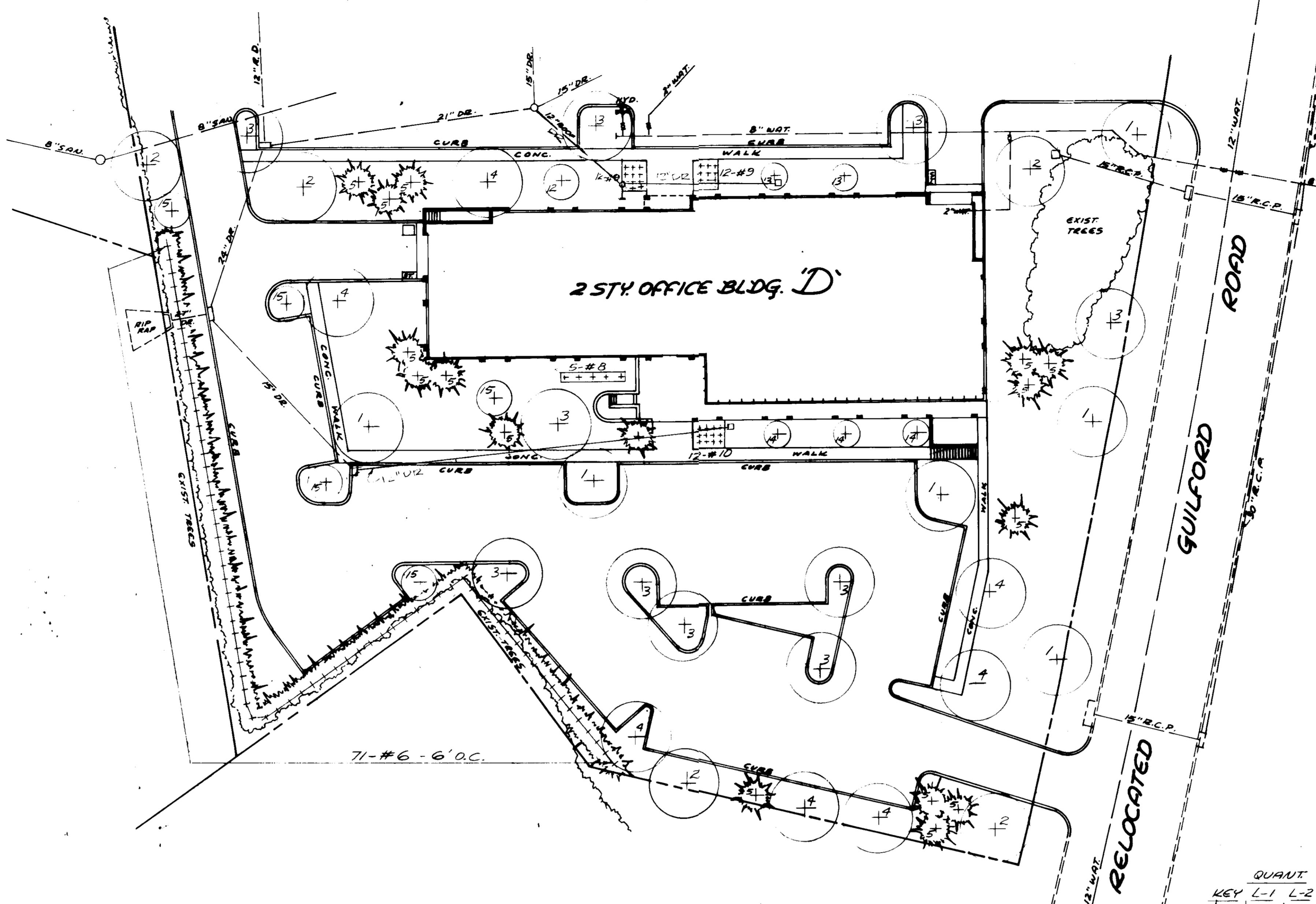
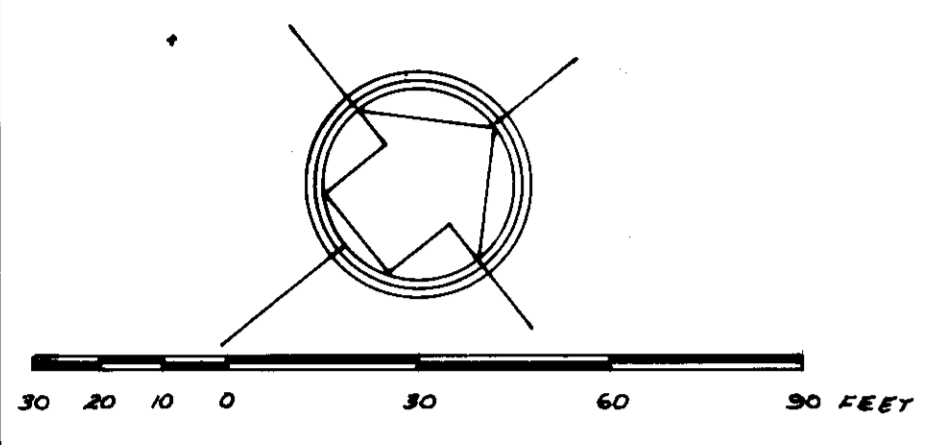
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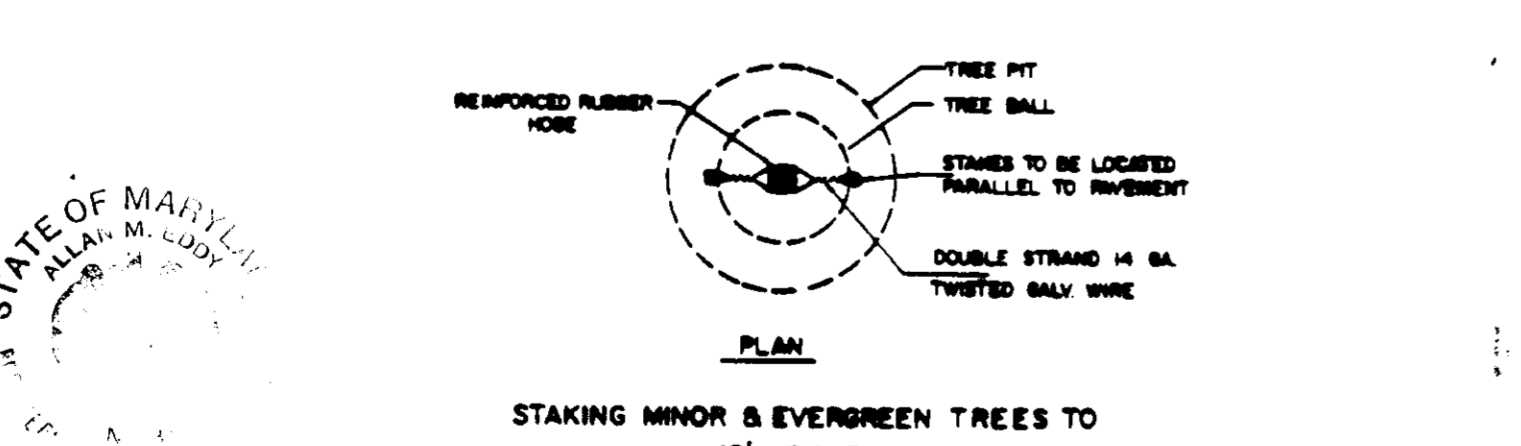
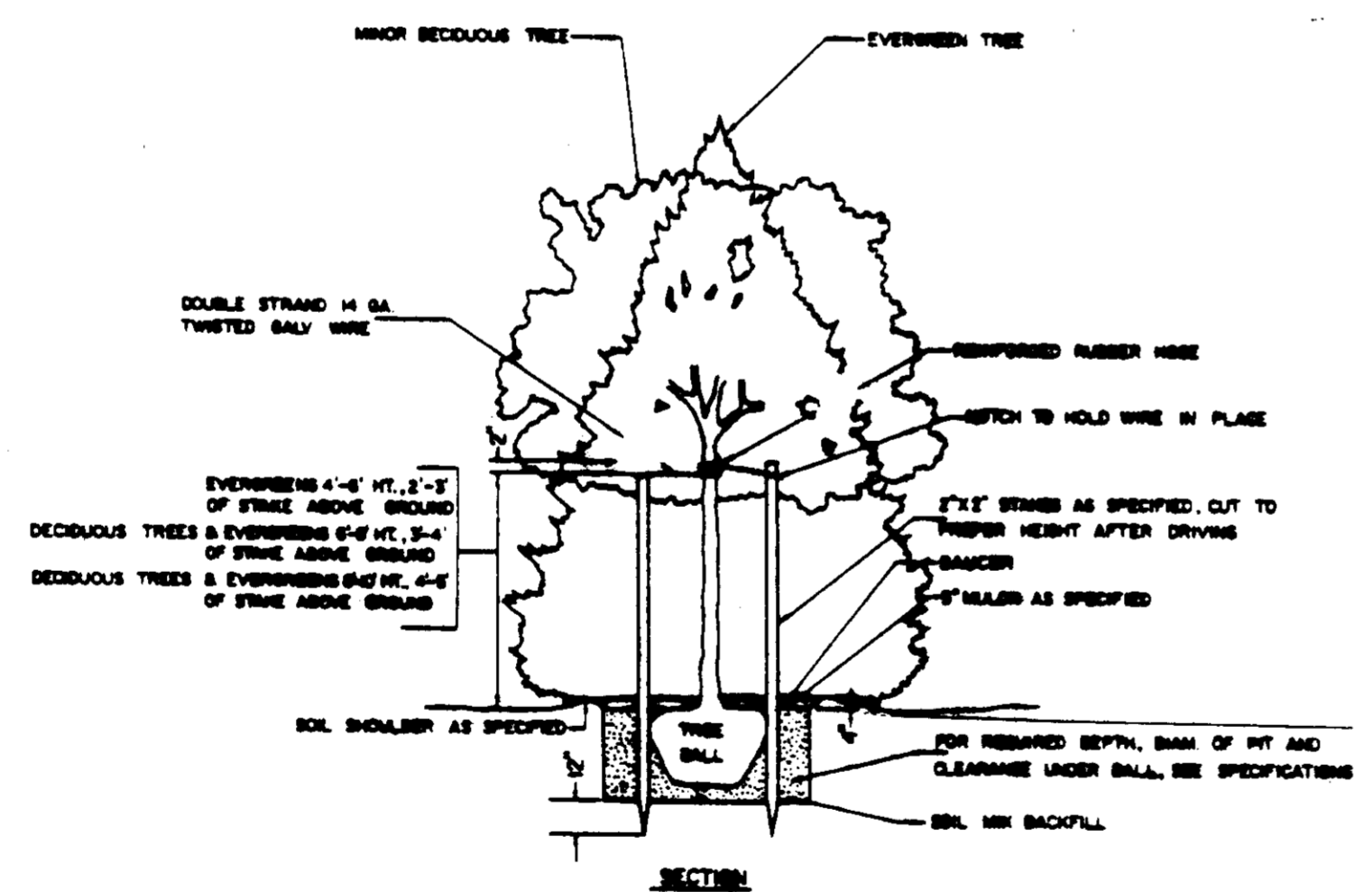
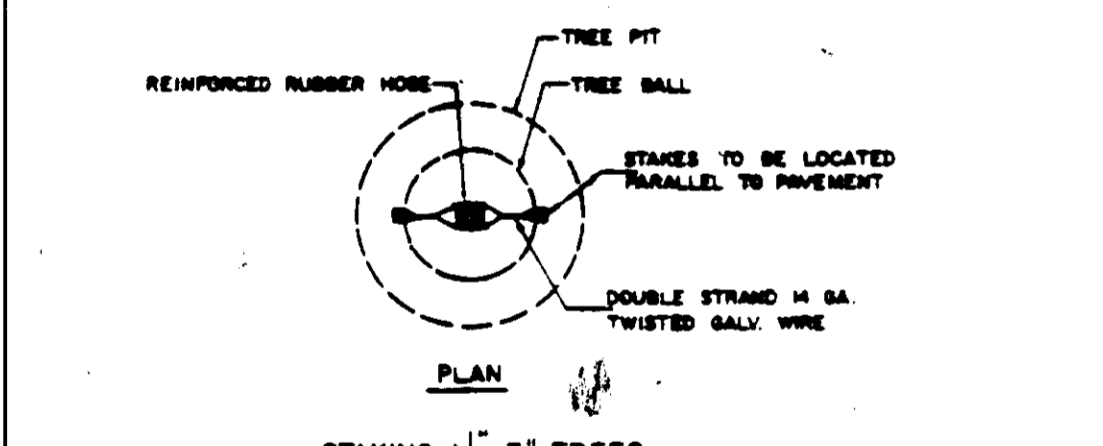
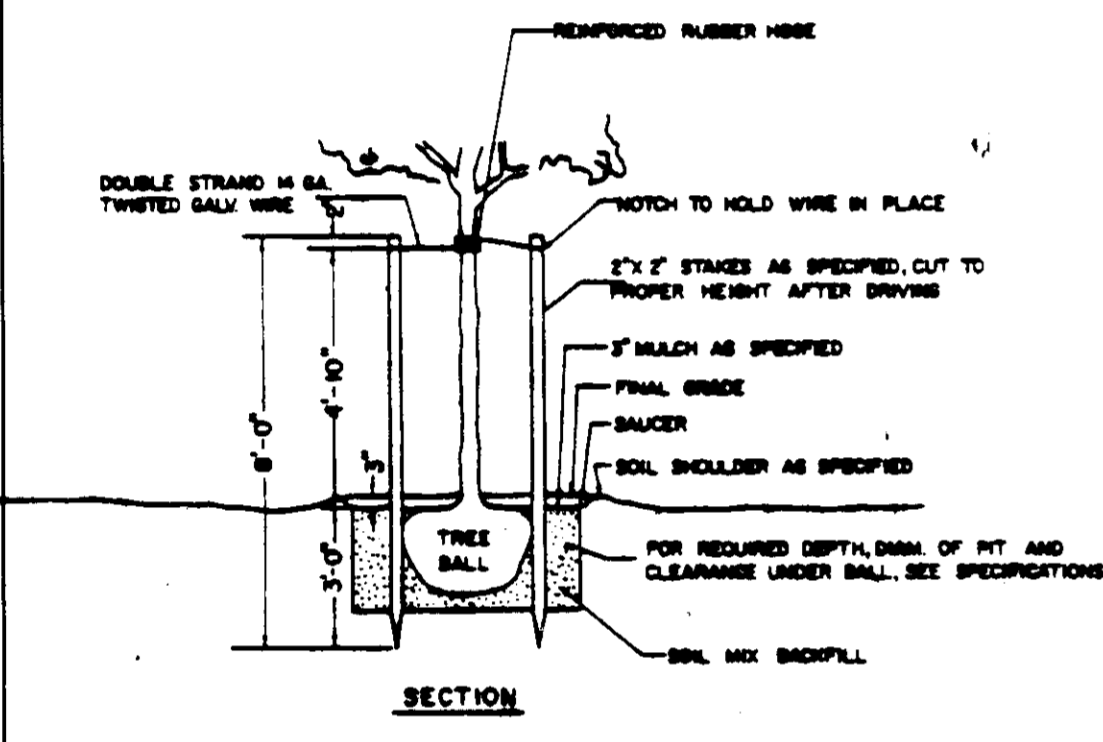
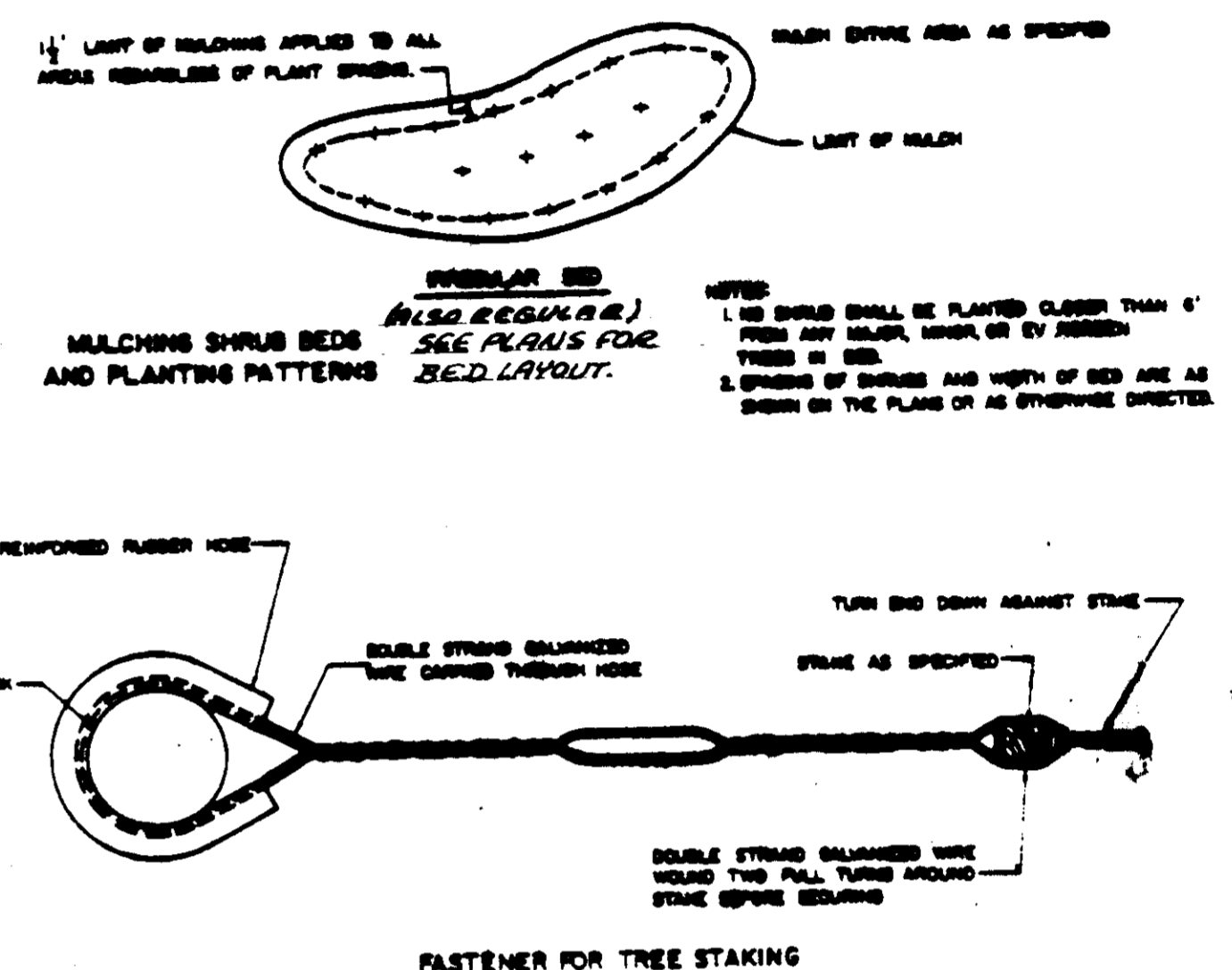
REVISIONS  
 3-13-83 ADD PROFILE M-2 TO I-11 & I-2 TO I-10

GRADING, EROSION & SEDIMENT CONTROL PLAN #02  
 R/D BUSINESS PARK  
 RIVERS CORPORATE PARK  
 SECTION 2, AREA 1, PARCEL 'E'  
 COLUMBIA  
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT #6  
 SCALE: 1"=50' TAX MAP #42  
 P.U. 4756 MARCH 18, 1983  
 SHT 6 OF 8

FOR CONTINUATION-SEE SHEET L-2



**Landscape Notes:**  
 All plants except as noted shall be B&B nursery grown, full branched and heavy.  
 All ball depths shall be per current A.A.H. standards. Pit width = Ball diameter X 2. Pit depth = Ball depth + 6" minimum.  
 All tree pits are to be mulched, as shall beds of #7, #9, #10 and #11. Mulch shall be 3" of "Vermeer" or equivalent fine cut wood chips, tan bark or tan bark. Soil mix for pits or for 16" deep beds for #7, #9, #10, #11 shall be at a ratio of 12 C.Y. prime topsoil plus 200 lbs. of dehydrated cow manure plus 55 C.F. (compressed volume) sphagnum peat. In lieu of the 55 C.F. of sphagnum peat, composted dewatered sewage sludge including 50% by volume of used chips in the normal complete temperature change cycle may be used at a ratio of 4 cubic yards per 12 cubic yards of topsoil in the mix. SEE NOTE #6: USE OF EXISTING SOIL + SLUDGE.



**APPROVED**  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: 5-4-83

QUANT.		SPECIES	SIZE & ROOT	BALL DIA.	PIT DIA.	DEPTH
KEY	L-1 L-2					
1	6	ACER RUBRUM 'OCTOBER GLORY'	2 1/2' 3" CAL B&B	32"	56"	30"
		OCTOBER GLORY RED MAPLE	12-14' HT			
2	5	QUERCUS ACUTISSIMA	2 1/2' 3" CAL. B&B	32"	56"	30"
		SAWTOOTH OAK	12-14' HT			
3	10	LIQUIDAMBAR STYRACIFLUA	2 1/2' 3" CAL. B&B	32"	56"	30"
		SWEETGUM	12-14' HT			
4	7	SOPHORA JAPONICA REGENT	2 1/2' 3" CAL. B&B	32"	56"	30"
		REGENT SCHOLAR TREE	12-14' HT			
5	16	PINUS THUNBERGII	2-2 1/2' CAL. B&B	27"	45"	24"
		JAPANESE BLACK PINE	6-8' HT.			
6	71	CUPRESSOCYPARIS LEYLANDII	5' HT B&B	16"	34"	20"
		LEYLAND CYPRESS				
7	88	EUONYMUS ALATUS COMPACTUS	18-24" HT. B&B	10"	24"	16"
		DWARF WINGED EUONYMUS				
8	5	VIBURNUM PEUNIFOLIUM	3-3 1/2' HT. B&B	12"	24"	16"
		BLACKHAW VIBURNUM				
9	24	ILEX CRENATA HELLERI	18" SP. B&B	10"	28"	20"
		HELLER HOLLY				
10	12	JUNIPERUS HORIZONTALIS PLUMOSA	18-24" SP. B&B	12"	30"	20"
		AUDORA JUNIPER				
11	-	LIGUSTRUM OBTUSIFOLIUM REGELIANUM	2-2 1/2' HT	-	-	-
		REGEL PRIVET	B&B			
12	1	CRATAEGUS PHAENOPYRUM	2-2 1/2' CAL. B&B	26"	44"	24"
		WASHINGTON HAW	8-10' HT			
13	2	STYRAX JAPONICA	2-2 1/2' CAL. B&B	26"	44"	24"
		JAPANESE SNOWBELL	8-10' HT.			
14	3	MALUS SARGENTI	2-2 1/2' CAL. B&B	26"	44"	24"
		SARGENT CRABAPPLE	6-7' HT. HVX			
15	5	CORUS KOUSA CHINENSIS	2-2 1/2' CAL. B&B	26"	44"	24"
		KOUSA DOGWOOD	8-10' HT.			

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 8-16-83  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR: *[Signature]* DATE: 6-17-83  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 6-17-83  
 APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR: *[Signature]* DATE: 6-14-83  
 CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 6-14-83  
 HOWARD SOIL CONSERVATION DISTRICT  
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE: 5-24-83  
 REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS SIGNATURE: *[Signature]* DATE: 5-24-83  
 THE UNITED STATES SOIL CONSERVATION SERVICE



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

LANDSCAPE ARCHITECT  
 BY: *Allan M. Eddy*  
*Allan M. Eddy*  
 83  
 REG. NO. 5-14-83  
 DATE

OWNER  
 RIVERS CORP. ASSOC. LTD.  
 SUITE 100 - 6000 EXECUTIVE BLVD.  
 ROCKVILLE, MARYLAND 20852  
 DONALD TAYLOR (PARTNER)  
 DEVELOPER  
 GLEN ARM DEVELOPMENT AND  
 CONSTRUCTION CO. INC.  
 1109 OLD CARRIAGE ROAD GLEN ARM, MD

*David Dymus* Agent  
 3/18/83

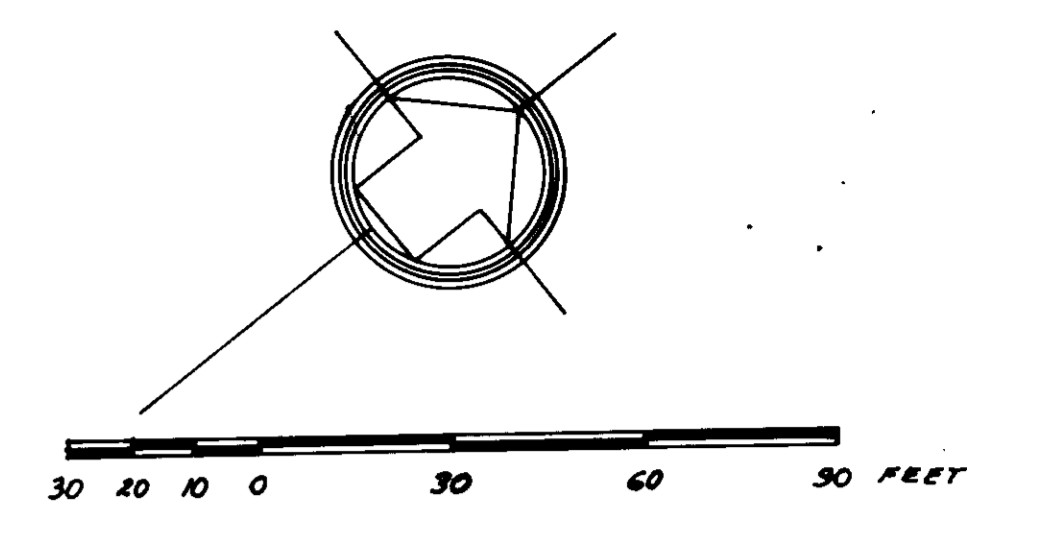
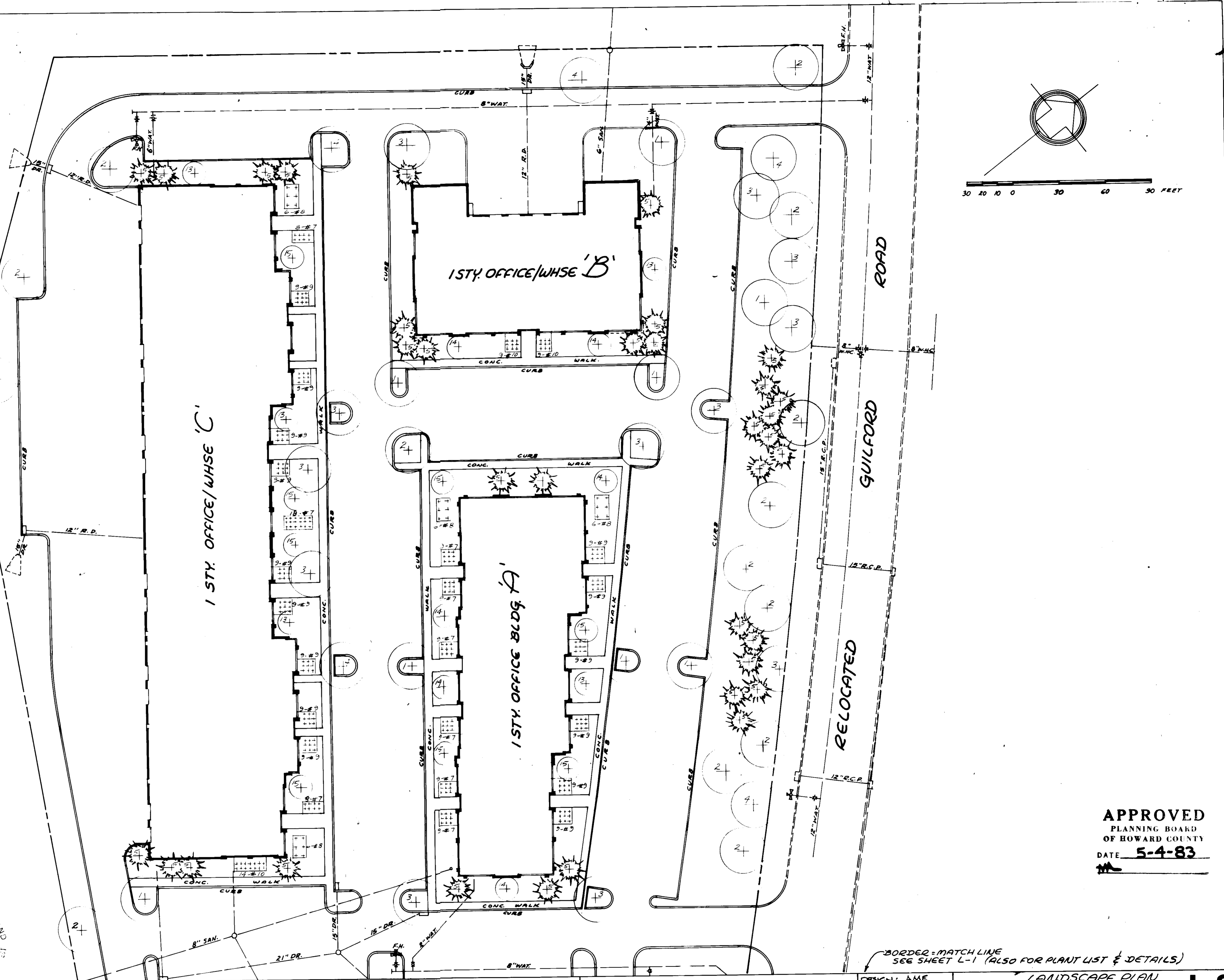
DESIGN: AME  
 DRAWN: AME  
 CHECKED: AME  
 REVISIONS  
 5-13-83 REV. PER SITE PLAN.

LANDSCAPE PLAN FOR R/D BUSINESS PARK  
 RIVERS CORPORATE PARK SECTION 2, AREA 1, PARCEL 'E'  
 COLUMBIA  
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT #2  
 SCALE: 1"=80' TAX MAP #2 MAY 14, 1983  
 P.N. 4758 SHT. 7 OF 8

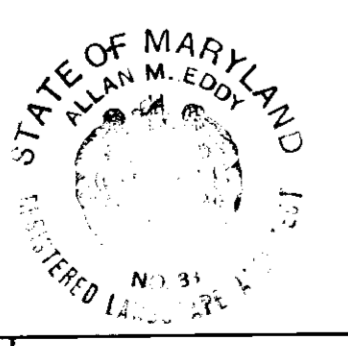
Alternative for the Site Plan, an Alternative may be used. The soil shall consist of existing soil at the site or soil imported from elsewhere. The contractor shall provide a soil test report to the Engineer. The soil shall be tested for pH, organic matter, and nutrients. The soil shall be amended with fertilizer and lime to meet the requirements of the Inspector. The contractor shall provide a soil amendment plan to the Inspector. The soil amendment shall be completed prior to the planting of trees and shrubs. The contractor shall provide a soil amendment report to the Inspector. The soil amendment shall be completed prior to the planting of trees and shrubs. The contractor shall provide a soil amendment report to the Inspector.

**SUPPLEMENTARY FERTILIZER APPLICATION**  
 Supplemental fertilizer shall be placed in all areas of lawn, evergreen, and tree with plant. The fertilizer shall be a slow release fertilizer containing 15% Nitrogen, 15% Phosphorus, and 15% Potassium. The fertilizer shall be applied at a rate of four ounces of water soluble fertilizer per 100 sq. ft. of area. The fertilizer shall be applied in a band around the base of the plant. The fertilizer shall be applied in a band around the base of the plant. The fertilizer shall be applied in a band around the base of the plant.

**Application rate:** Major trees - 1" cal - two (2); Major trees 2-4" cal - three (3); Major trees 4-6" cal and larger - four (4); Minor trees Two (2); Evergreen trees over 4" cal - two (2); Evergreen trees under 4" cal - one (1).  
 If during the Care and Repair period, if same exists, it becomes necessary to remove or replace dead or unhealthy plants, care shall be exercised so as not to damage the packet. When removing a tree or plant, the root system shall be removed, and any loose soil in the plant pit shall be replaced with a new packet.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
 HOWARD COUNTY HEALTH  
 COUNTY HEALTH OFFICER: [Signature] DATE: 6-16-83  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR: [Signature] DATE: 6-17-83  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: [Signature] DATE: 6-17-83  
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 6-17-83  
 CHIEF, BUREAU OF ENGINEERING: [Signature] DATE: 6-17-83  
 HOWARD SOIL CONSERVATION DISTRICT  
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT  
 REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
 SIGNATURE: [Signature] DATE: 5-21-83  
 THE UNITED STATES SOIL CONSERVATION SERVICE



BORDER = MATCH LINE  
 SEE SHEET L-1 (ALSO FOR PLANT LIST & DETAILS)

**APPROVED**  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: 5-4-83

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

LANDSCAPE ARCHITECT  
 BY: Allan M. Eddy  
 83 REG. NO.  
 5-14-83 DATE

OWNER  
 RIVERS CORP. ASSOC. LTD.  
 SUITE 100 6000 EXECUTIVE BLVD.  
 ROCKVILLE, MARYLAND 20852  
 DONALD TAYLOR (PARTNER)  
 DEVELOPER  
 GLEN ARM DEVELOPMENT and CONSTRUCTION CO. INC.  
 1109 OLD CARRIAGE ROAD GLEN ARM, MARYLAND 21057

Agent  
 3/1/83

LANDSCAPE PLAN FOR  
**L-2**  
 R/D BUSINESS PARK  
 RIVERS CORPORATE PARK  
 SECTION 2, AREA 1, PARCEL 'E'  
 COLUMBIA  
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT #8  
 SCALE: 1"=30' MARCH 18, 1983  
 TAX MAP #42 SHTS. OF 3  
 PN 415B