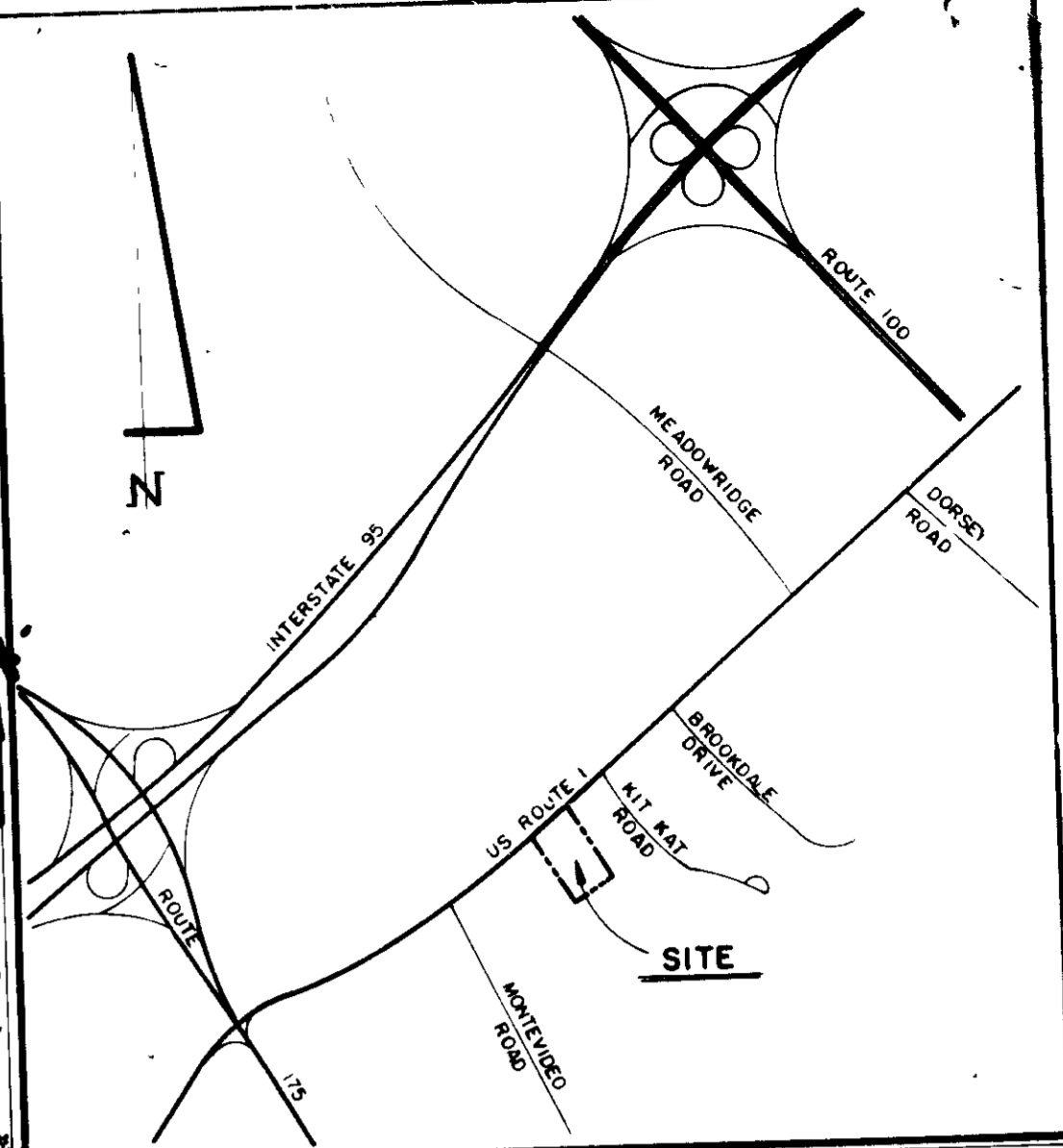
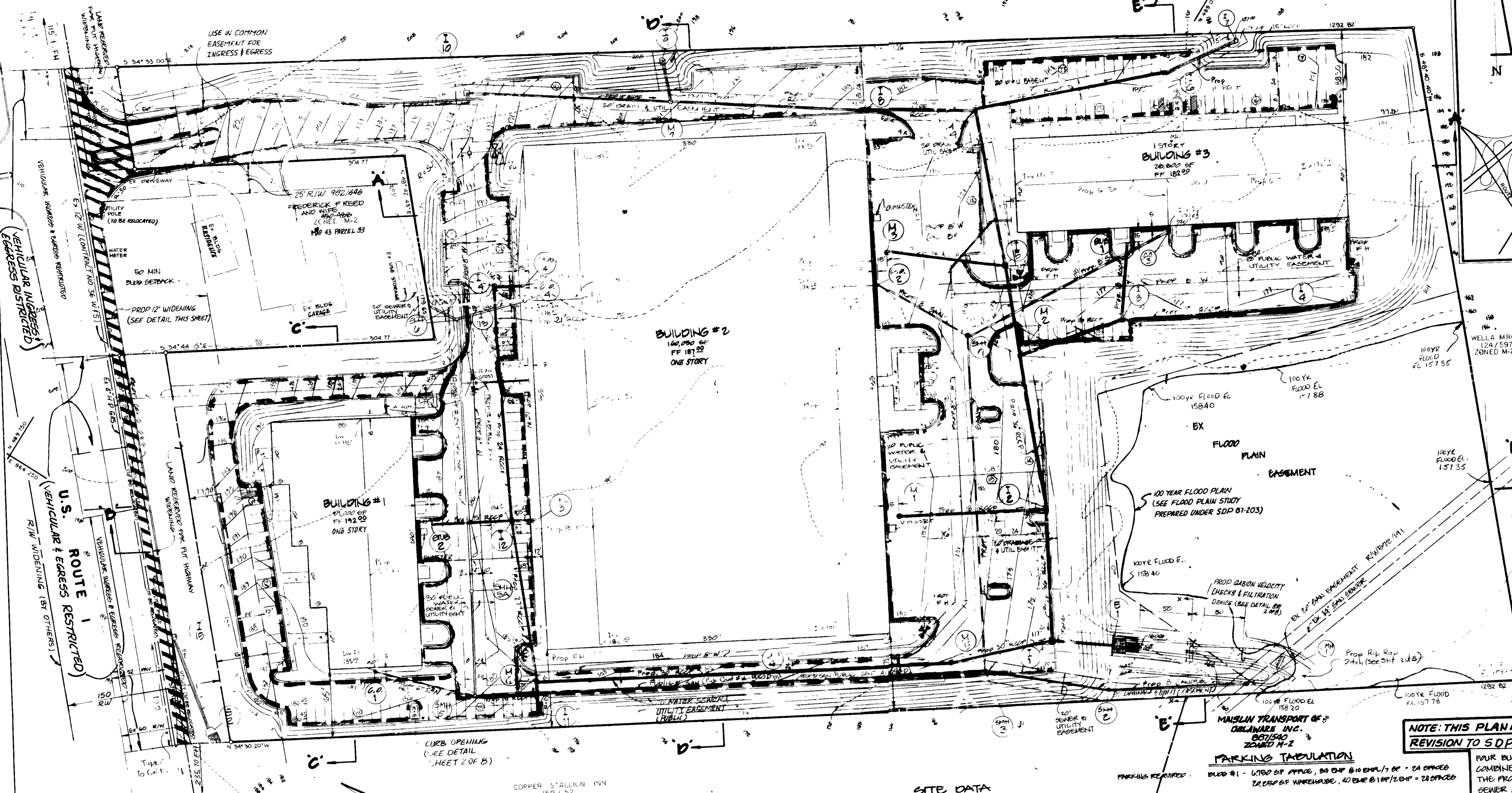
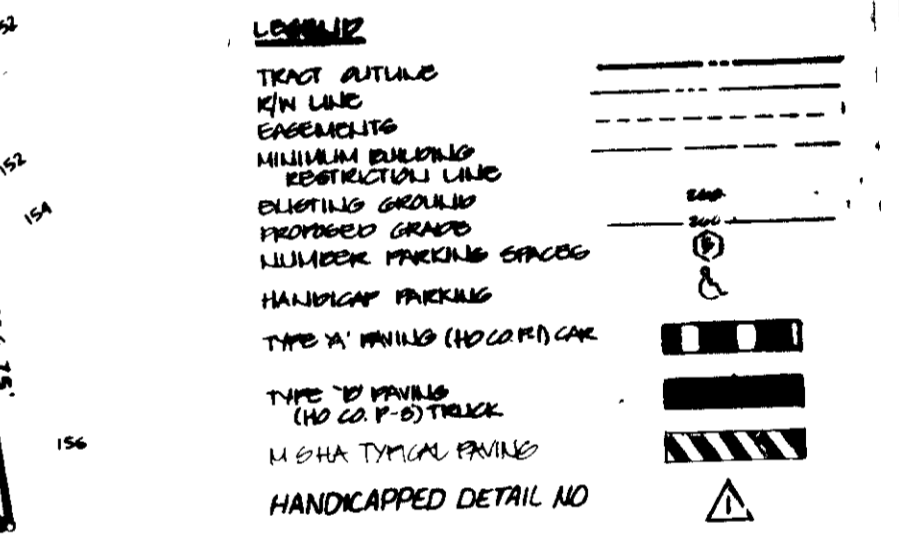


S & A SHPAK
497-428
1101 M-7



VICINITY MAP
SCALE: 1" = 2000'
GENERAL NOTES

- MAXIMUM BUILDING HEIGHT 30'
- ALL AREAS NOT BEING PAVED OR RECEIVING BUILDING COVERAGE SHALL BE GRADED TO ACCORDANCE WITH THE PLANS APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT
- ANY EROSION CONTROL MEASURES SHALL BE INSTALLED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE
- THE CONTRACTOR SHALL MAINTAIN AT LEAST A 2' VERTICAL BENCH BEHIND ALL CURBS AND UTILITY IN PLU AREAS
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES TO THE OWNERS SATISFACTION THROUGHOUT THE CONSTRUCTION
- ALL SLOPES SHALL BE 2:1 OR FLATTER
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY ENGINEERING SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, AS SHOWN ON THESE PLANS
- THE CONTRACTOR SHALL NOTIFY THE G&P TELEPHONE CO AND THE GAS AND ELECTRIC COMPANIES FIRST ONE HOUR IN ADVANCE OF ANY WORK THAT MAY INTERFERE WITH THEIR SERVICE
- FOR DETAILS OF HANDS AND SHIMS FOR THE HANDICAPPED AND ADO AND AS SHOWN HEREON
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 6% CORNER OVER ALL PROPOSED WATER LINES
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSURANCE COMPANY TO OBTAIN A POLICY OF WORKERS COMPENSATION AND LIABILITY INSURANCE IN ADVANCE OF THE START OF CONSTRUCTION
- ALL UTILITIES INSTALLED SHALL RECEIVE FULL TRENCH PROTECTION
- ALL WATER MAIN TRENCHES SHALL BE FULL BUTTERED TO ACCORDANCE WITH HOWARD COUNTY DESIGN



NOTE: THIS PLAN IS A REVISION TO SDP 87-203

FOUR BUILDINGS WERE COMBINED INTO ONE (2) THE PROPOSED WATER, SEWER AND STORM DRAINS WERE REROUTED AROUND THE BUILDING

REVISION 9-8-88

SITE DATA

TOTAL AREA OF SITE: 19,892 ACRES
AREA OF HIGHWAY WIDENING: 0.945 ACRES
NET AREA OF SITE: 18,947 ACRES
EXISTING USE: VACANT
PROPOSED USE: OFFICE WAREHOUSE
TOTAL FLOOR AREA: 215,050 SQ FT @ 1.14 ACRES
FLOOR AREA RATIO (FLOOR COVERAGE W/ PAVING): 88.51%
BUILDING COVERAGE WITH PAVING: 144,850 SQ FT @ 0.71 ACRES
AREA OF PAVING LOT: 172,408 SQ FT @ 0.79 ACRES
AREA OF LANDSCAPED BELTWAY WITHIN PAVING LOT: 10,454 SQ FT @ 0.24 ACRES
PERCENTAGE OF LANDSCAPING WITHIN PAVING LOT: 6.06%
PERCENTAGE OF OPEN SPACE: 32.76%
AREA TO BE DISTURBED: 15.50 ACRES
AREA TO BE VEGETATIVELY STABILIZED: 7.62 ACRES
EXISTING ZONING: M-2
PROPERTY REFERENCE: ABC 1646

PARKING TABULATION

BLDG #1 - 11,000 SF OFFICE, 84 CAR @ 100 SF / CAR = 84 SPACES
21,000 SF WAREHOUSE, 40 CAR @ 100 SF / CAR = 40 SPACES
TOTAL PARKING REQUIRED: 124 SPACES

BLDG #2 - 11,000 SF OFFICE, 84 CAR @ 100 SF / CAR = 84 SPACES
21,000 SF WAREHOUSE, 40 CAR @ 100 SF / CAR = 40 SPACES
TOTAL PARKING REQUIRED: 124 SPACES

BLDG #3 - 12,000 SF OFFICE, 96 CAR @ 100 SF / CAR = 96 SPACES
21,000 SF WAREHOUSE, 40 CAR @ 100 SF / CAR = 40 SPACES
TOTAL PARKING REQUIRED: 136 SPACES (INCLUDES 9 H.C. SPACES)

NOTE

THE OWNER SHALL PROVIDE A SEPARATE AND INDEPENDENT SEWER CONNECTION FOR EACH TENANT OR OCCUPANT OF ANY BUILDING SHOWN ON THIS SITE DEVELOPMENT PLAN, WHO WILL DISCHARGE NON-DOMESTIC WASTE TO THE PUBLIC SEWER SYSTEM IF THIS WASTE IS REGULATED UNDER SECTION 18-22 - OF THE HOWARD COUNTY CODE

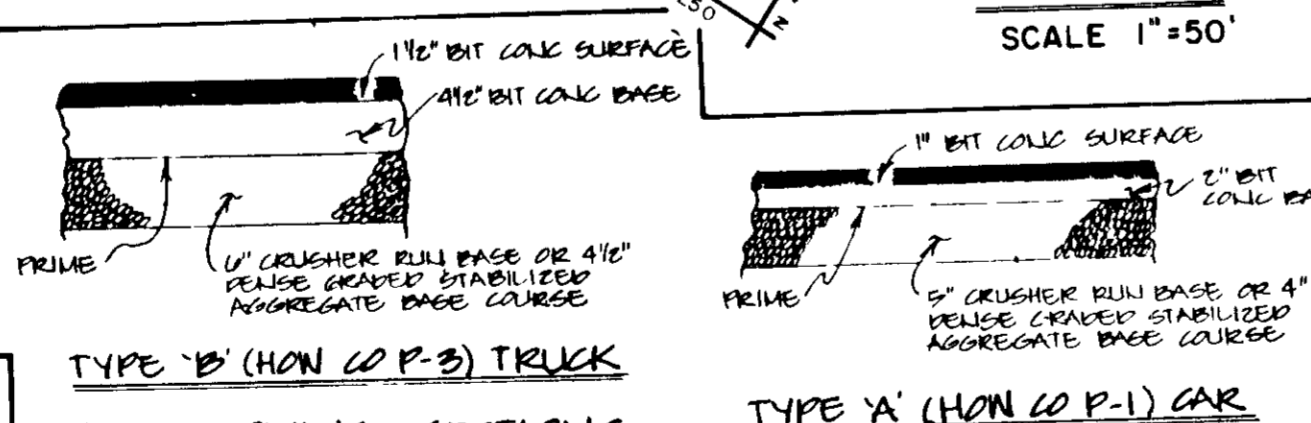
EACH SEPARATE AND INDEPENDENT SEWER CONNECTION SHALL INCLUDE A STANDARD HANDBILE AND OTHER WASTE PRETREATMENT DEVICES AS REQUIRED AND APPROVED BY HOWARD COUNTY

WASTE LINES ON THE INTERIOR OF THE BUILDING SHALL BE DESIGNED, CONSTRUCTED, OR MODIFIED SUCH THAT NON-DOMESTIC WASTE WILL BE DISCHARGED TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION

NO TENANT OR OCCUPANT OF ANY BUILDING SHOWN ON THIS SITE DEVELOPMENT PLAN SHALL DISCHARGE REGULATED NON-DOMESTIC WASTE TO THE PUBLIC SEWER SYSTEM PRIOR TO THE INSTALLATION OF THE SEPARATE AND INDEPENDENT SEWER CONNECTION AND RELATED INTERIOR WASTE LINES

THE ABOVE REQUIREMENT SHALL APPLY TO ALL INITIAL AND FUTURE OCCUPANTS OR TENANTS

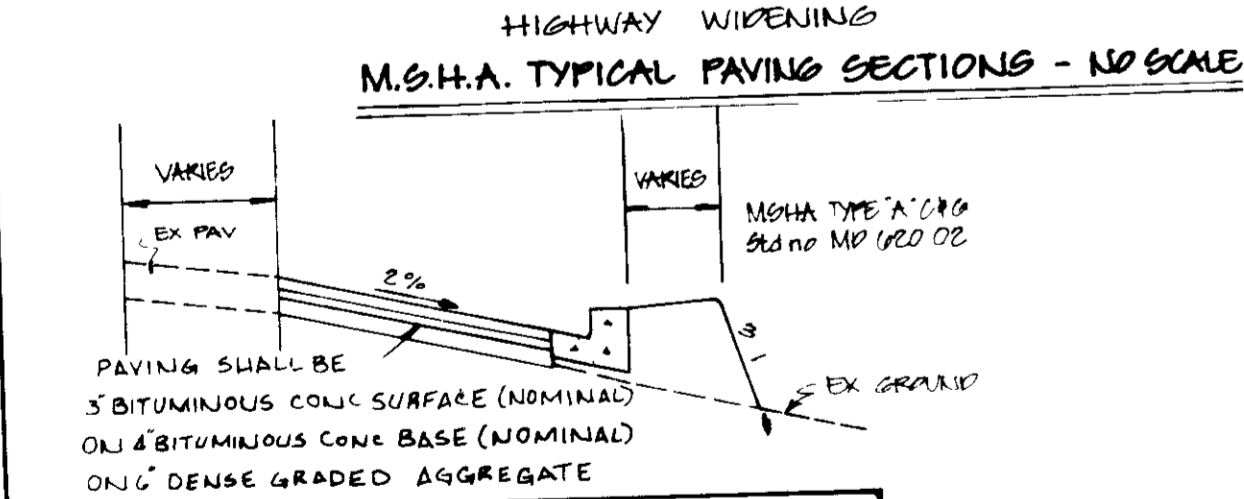
PLAN
SCALE 1" = 50'



TYPICAL PAVING SECTIONS

TYPE 'B' (HON CO P-3) TRUCK

TYPE 'A' (HON CO P-1) CAR



HIGHWAY WIDENING
M.S.H.A. TYPICAL PAVING SECTIONS - NO SCALE

PAVING SHALL BE 3" BITUMINOUS CONCRETE SURFACE (NOMINAL) ON 4" BITUMINOUS CONCRETE BASE (NOMINAL) ON 6" DENSE GRADED AGGREGATE

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

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

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

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

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

APPROVED HOWARD COUNTY HEALTH DEPARTMENT

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

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 THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT

SIGNATURE OF ENGINEER: J. W. STEPHENS, JR.
REG NO: 1301 298 - 2600
DATE: 10-20-88

DEVELOPER

OWNER/DEVELOPER
MSR ASSOCIATES % MERRITT
2066 LORD BALTIMORE DRIVE
BALTIMORE, MARYLAND 21207

DATE: 10-18-88

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. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT

SIGNATURE OF DEVELOPER: LEROY H. MERRITT
DATE: 10-18-88

DES: P.C.
DWG: J.W.
CHK: P.C.

ADDRESS CHART

BUILDING #	STREET ADDRESS
1	2575 U.S. ROUTE 1
2	1685 U.S. ROUTE 1
3	1595 U.S. ROUTE 1

SUBMISSION NAME SCHATTNER PROPERTY

PLAT #	OR-L-F #	BLOCK #	ZONE	TAX/ZONE MAP #	ELECT DIST	CENSUS TRACT
11(1)	4-10	M-2	43	1	1	6012

WATER CODE 501 **SEWER CODE** 2870000

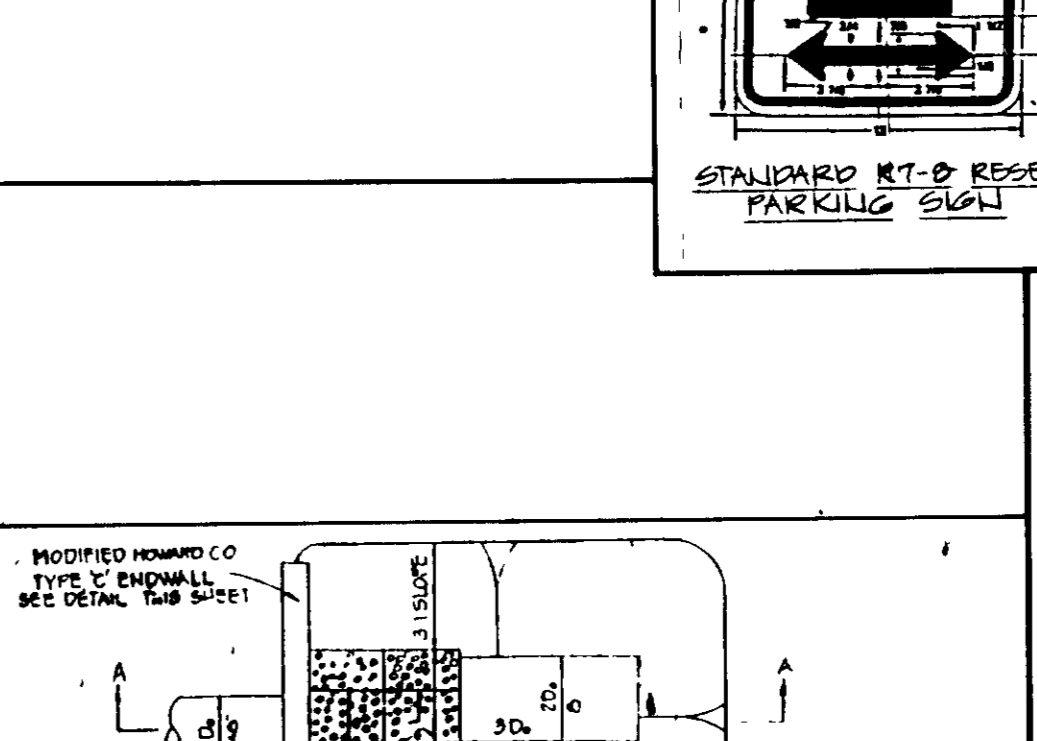
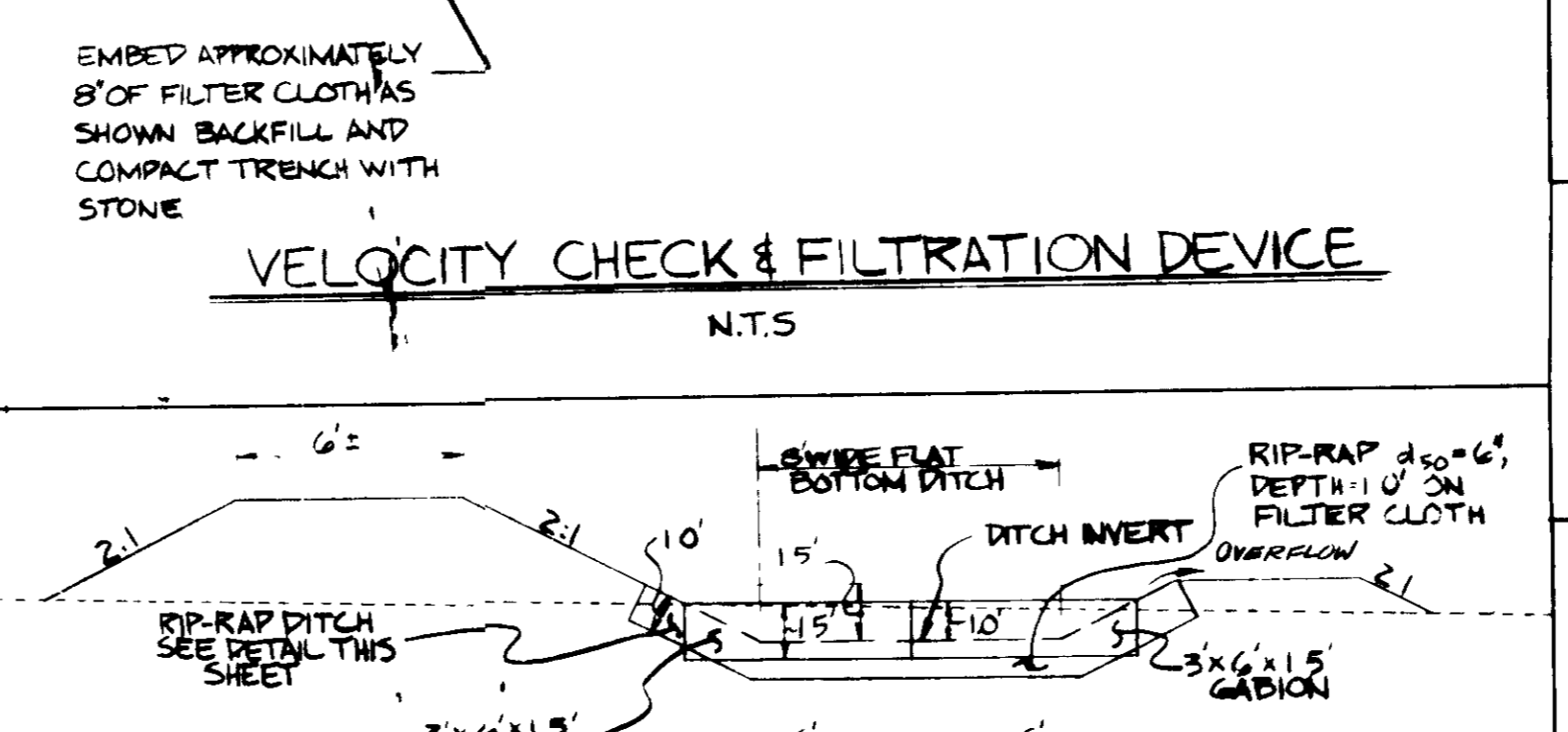
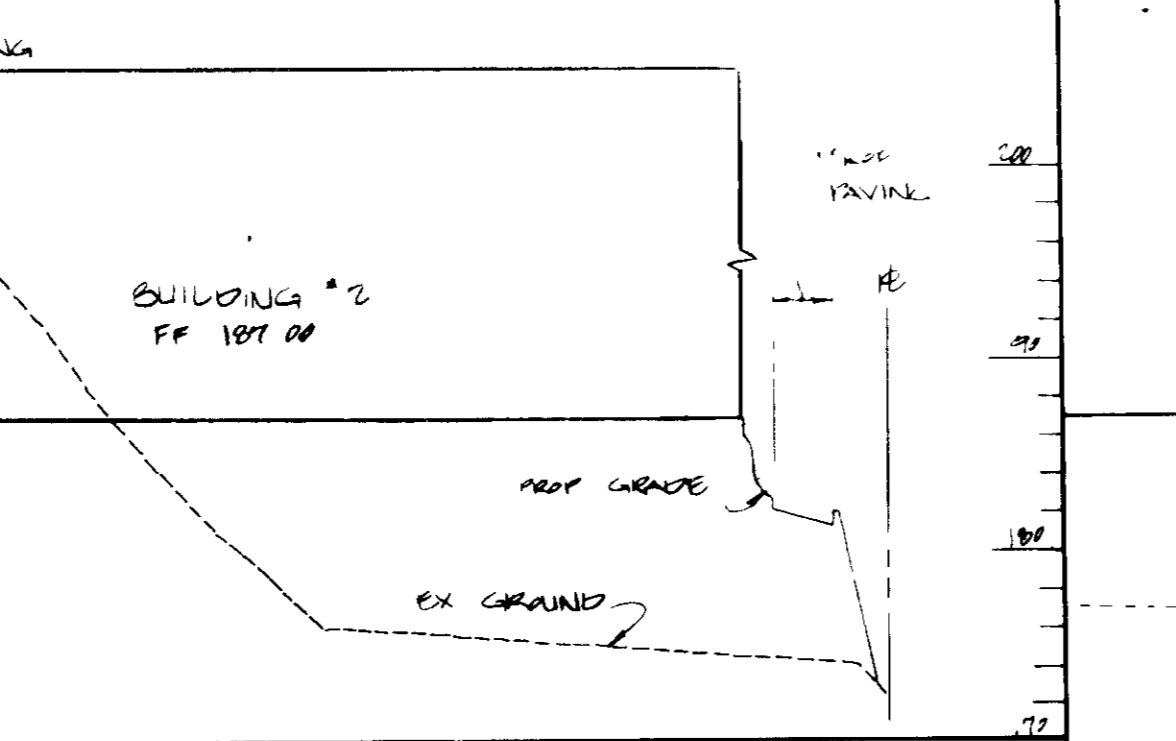
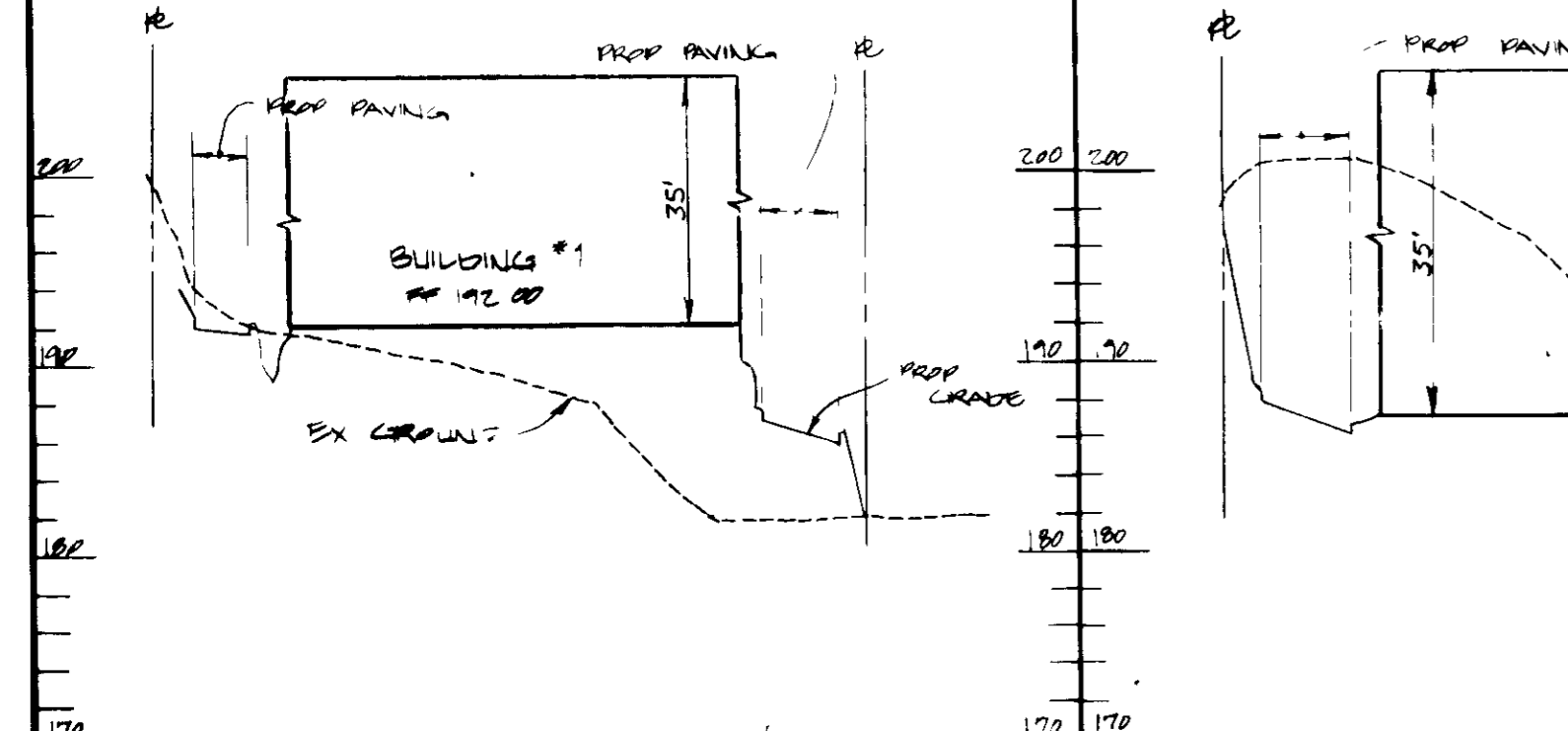
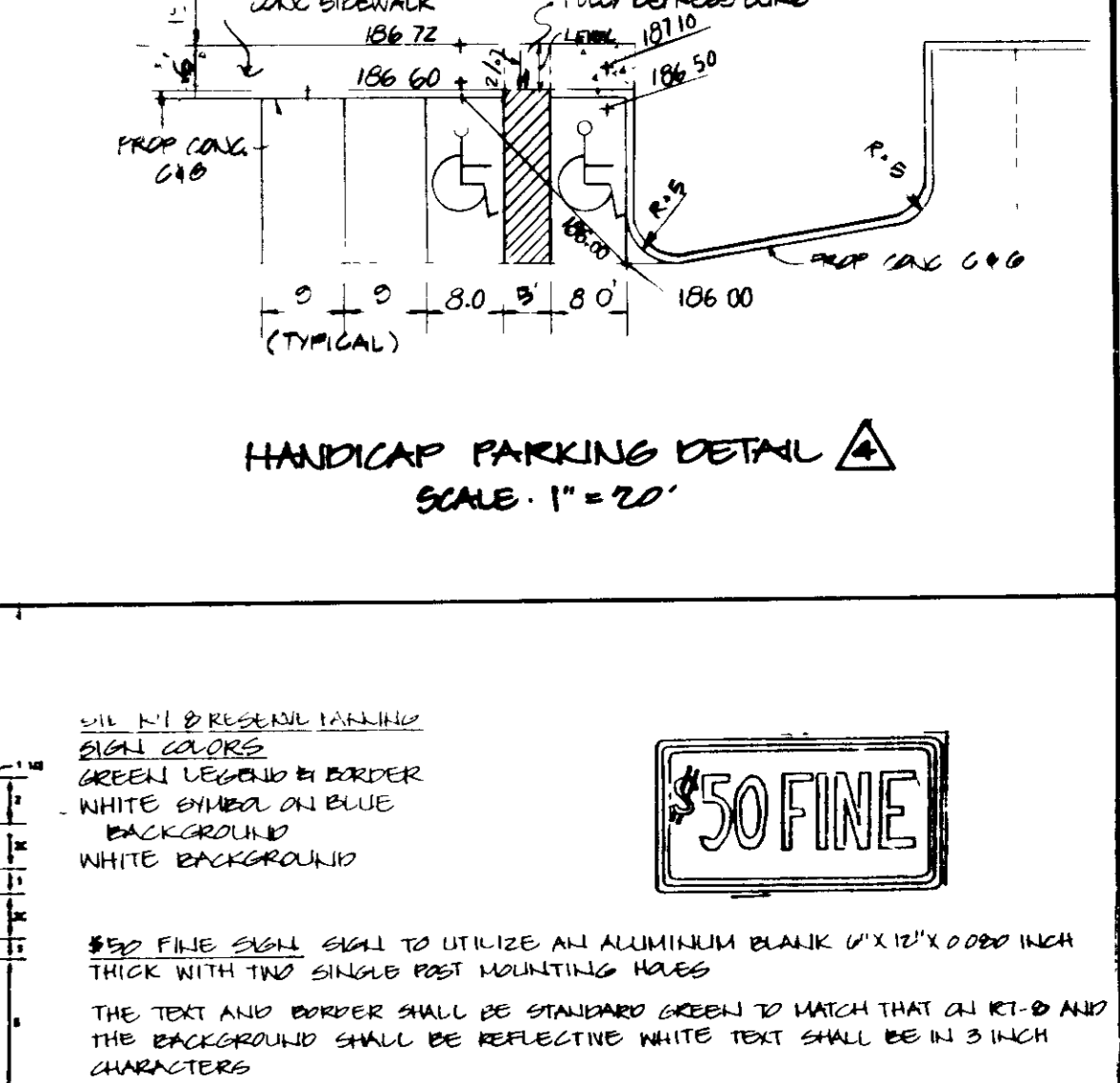
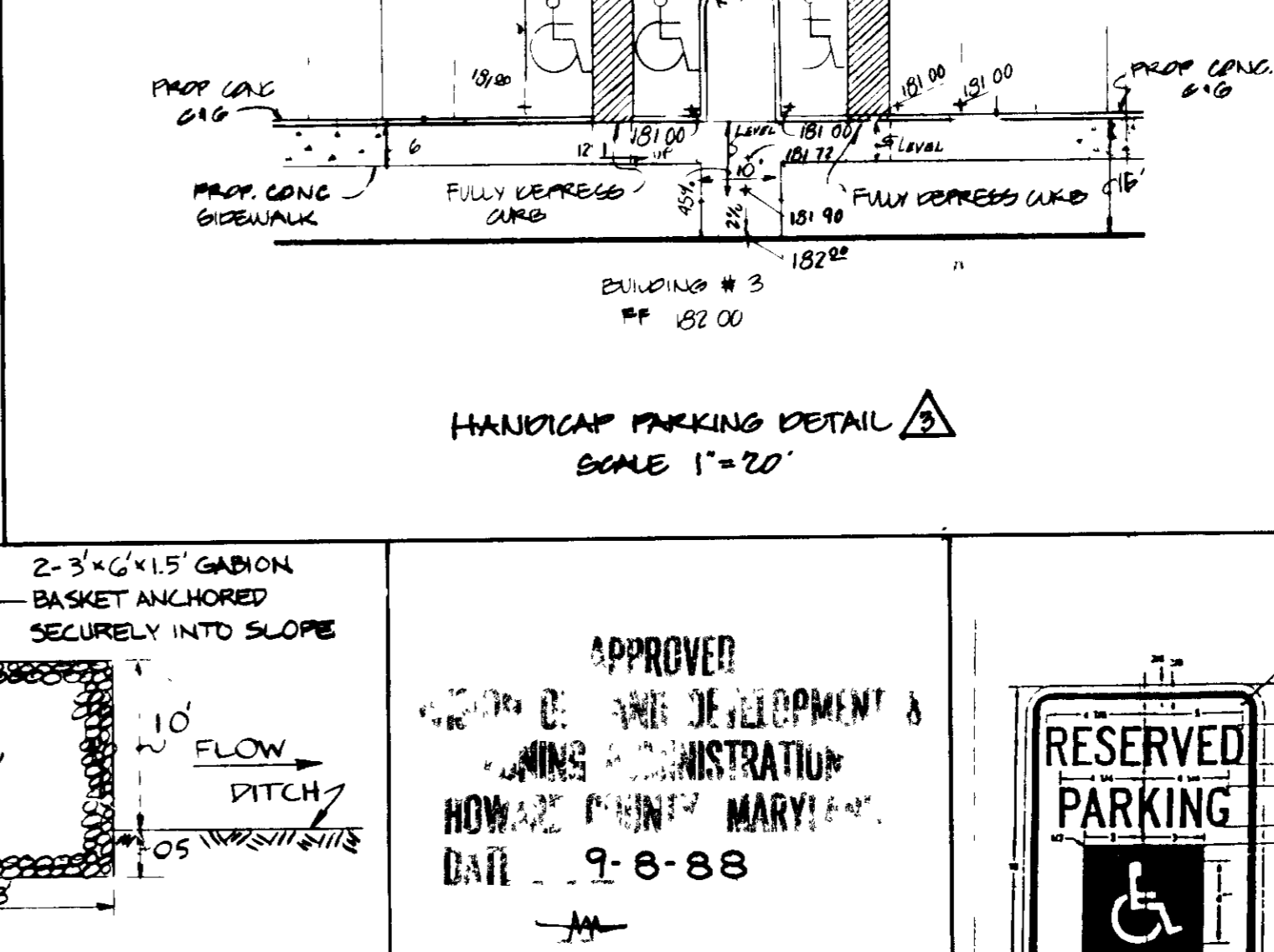
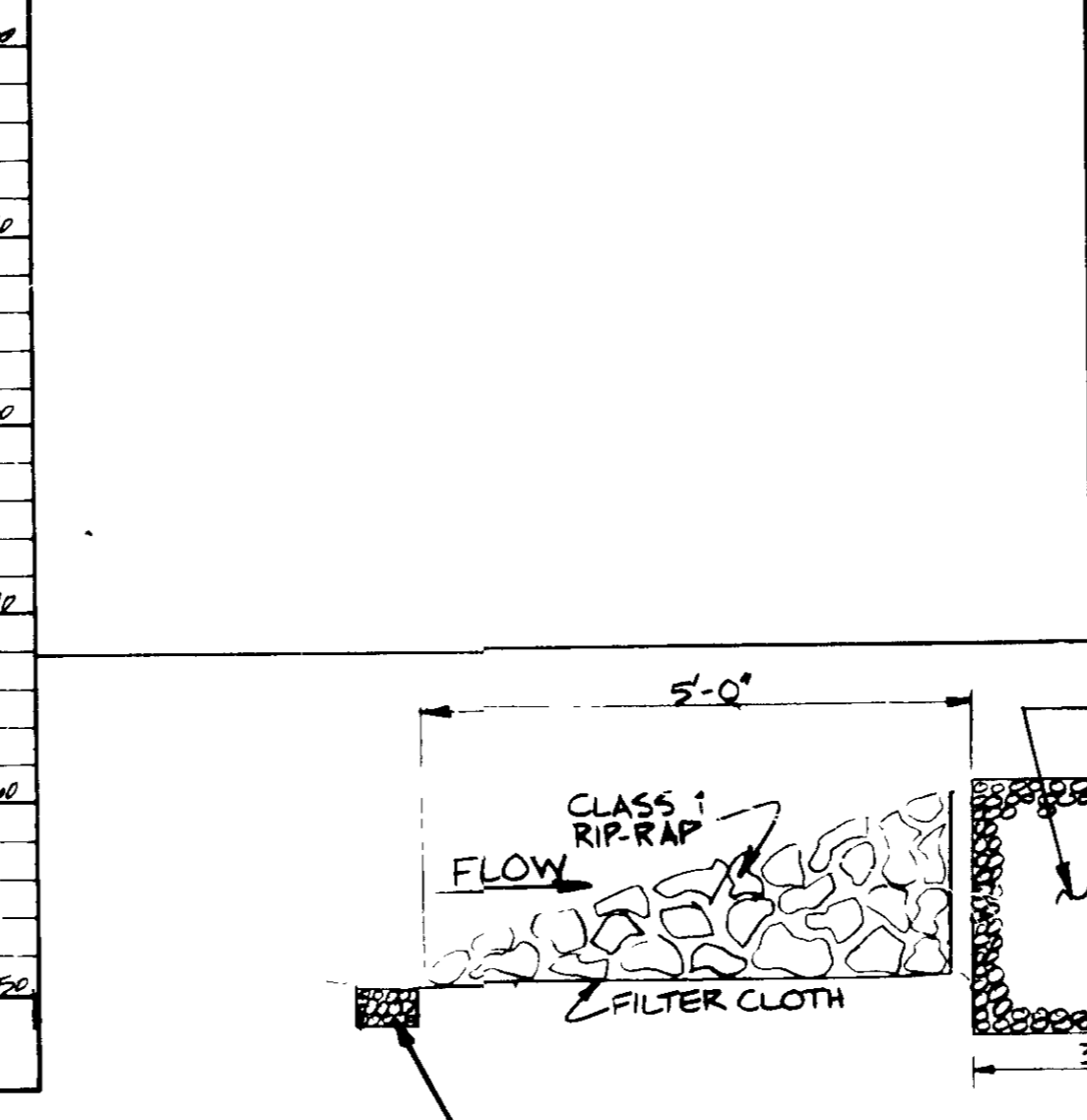
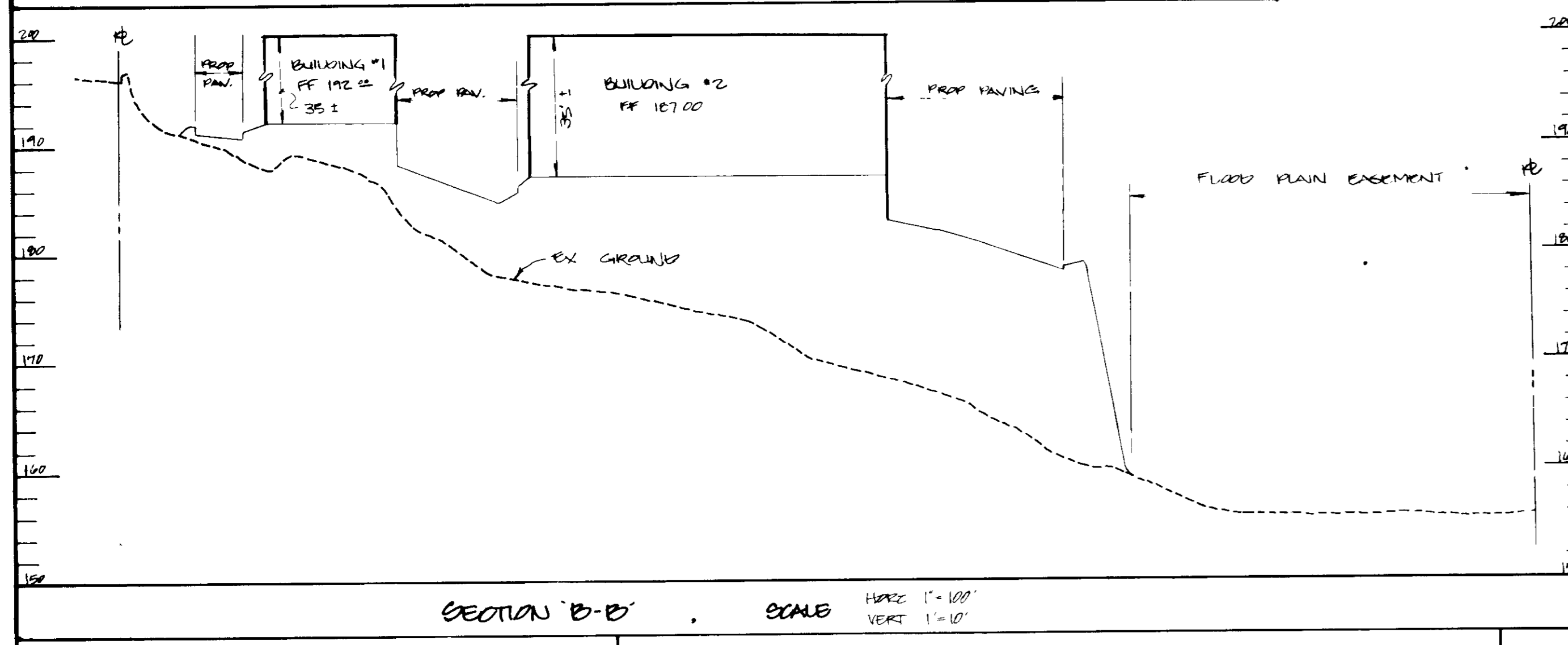
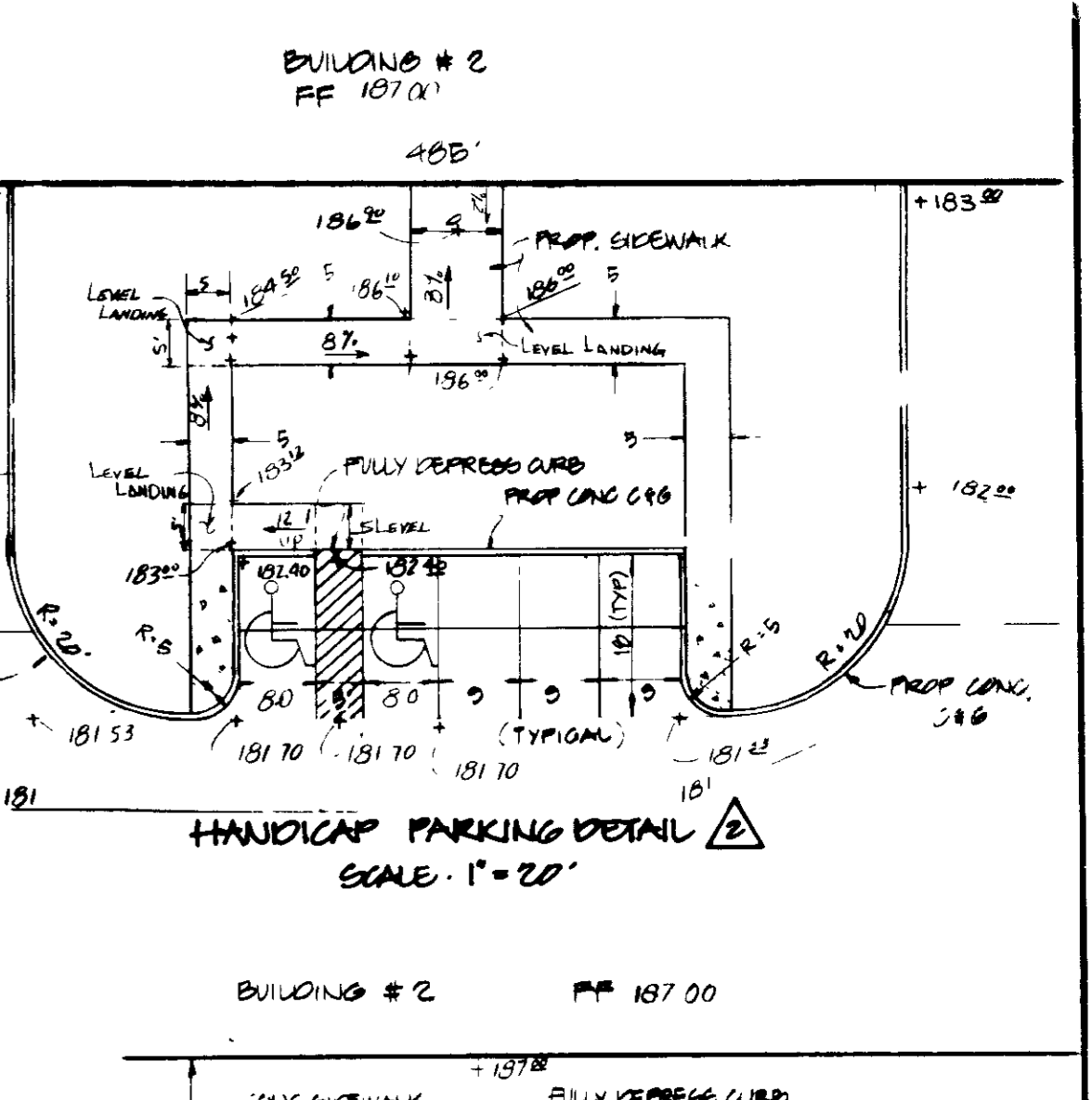
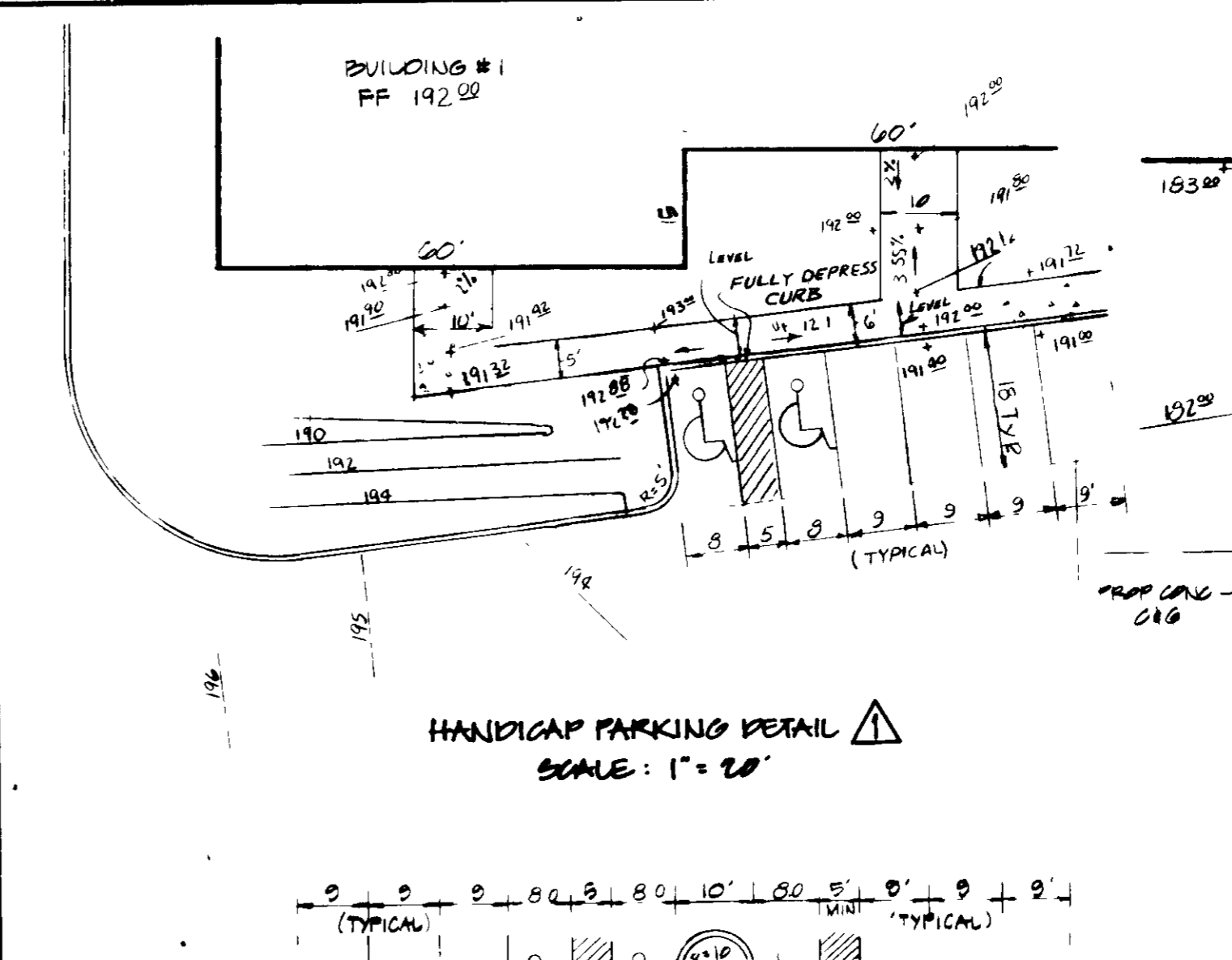
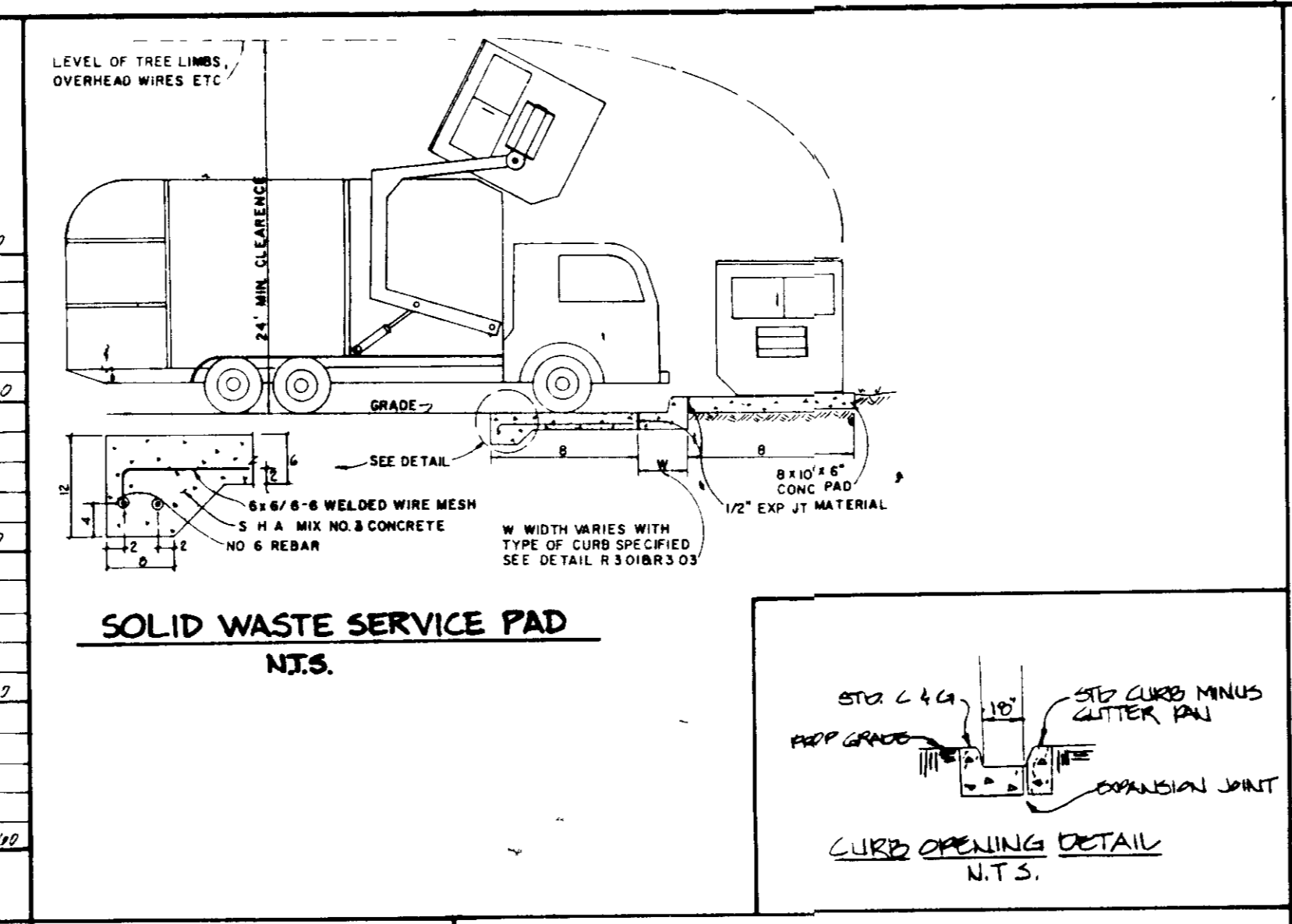
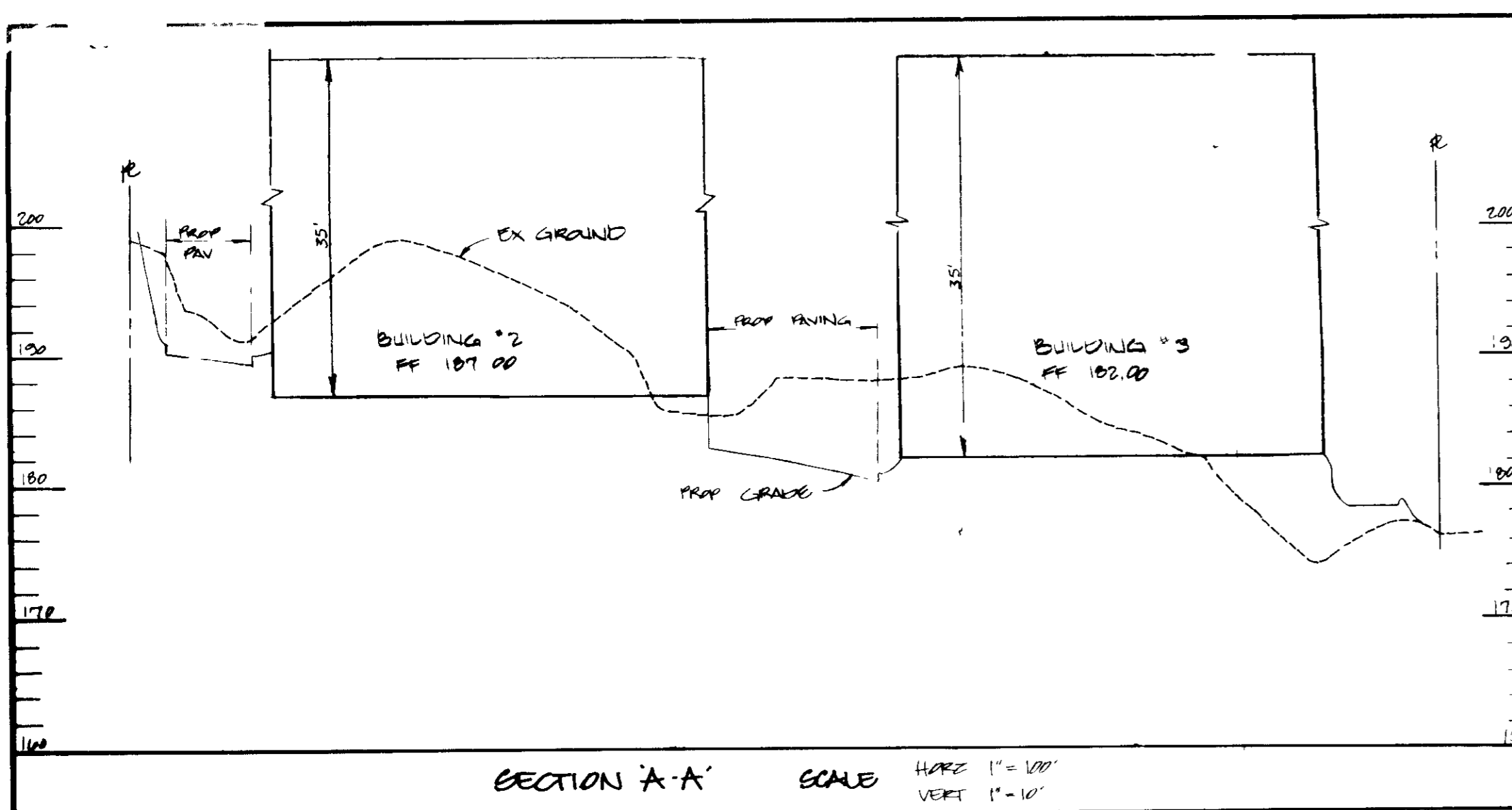
SITE PLAN FOR PROPOSED OFFICE/WAREHOUSE BUILDINGS

SCHATTNER PROPERTY

HOWARD COUNTY, MARYLAND PARCEL #1
PARCEL #35
SCALE: AS SHOWN
P.N. 6000

ELECT. DIST. 1
MAP #43
DATE: JULY 11, 1980
SHEET 1 OF 2

(A REVISION TO SDP 87-203)
FILE NOS - F-88-139 WATER NO. 88-503 SWM NUMBER 18-88
SDP-85-09



APPROVED
 COUNTY DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 DATE: 9-8-88

RESERVED PARKING SIGN

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

James M. H. [Signature] 10/4/88 Date
 U.S. Soil Conservation Service

These plans for soil erosion & sediment control meet the requirements of Howard Soil Conservation District.

Approved: [Signature] 10/3/88 Date
 Howard Soil Conservation District

Plan Number: For public water and public sewerage systems Howard County Health Department.

[Signature] 10-18-88 Date
 County Health Officer

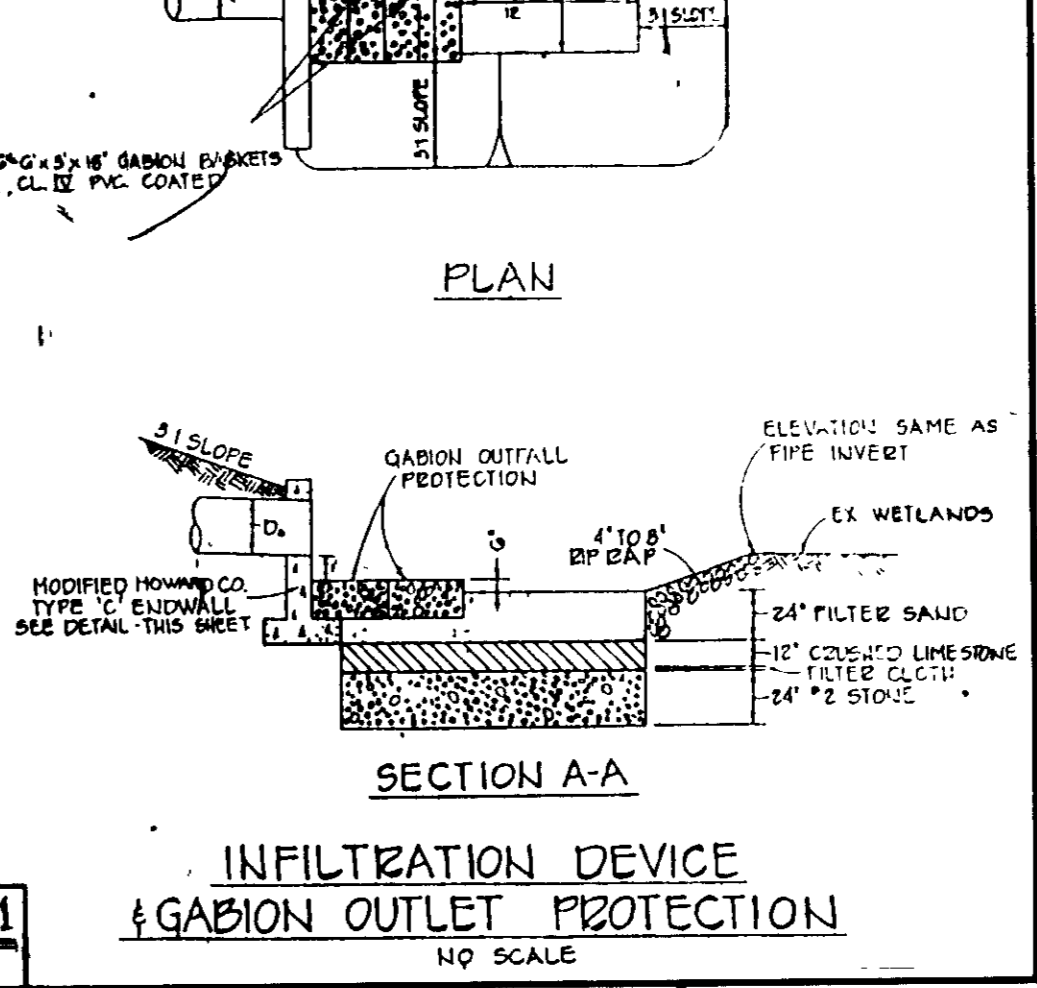
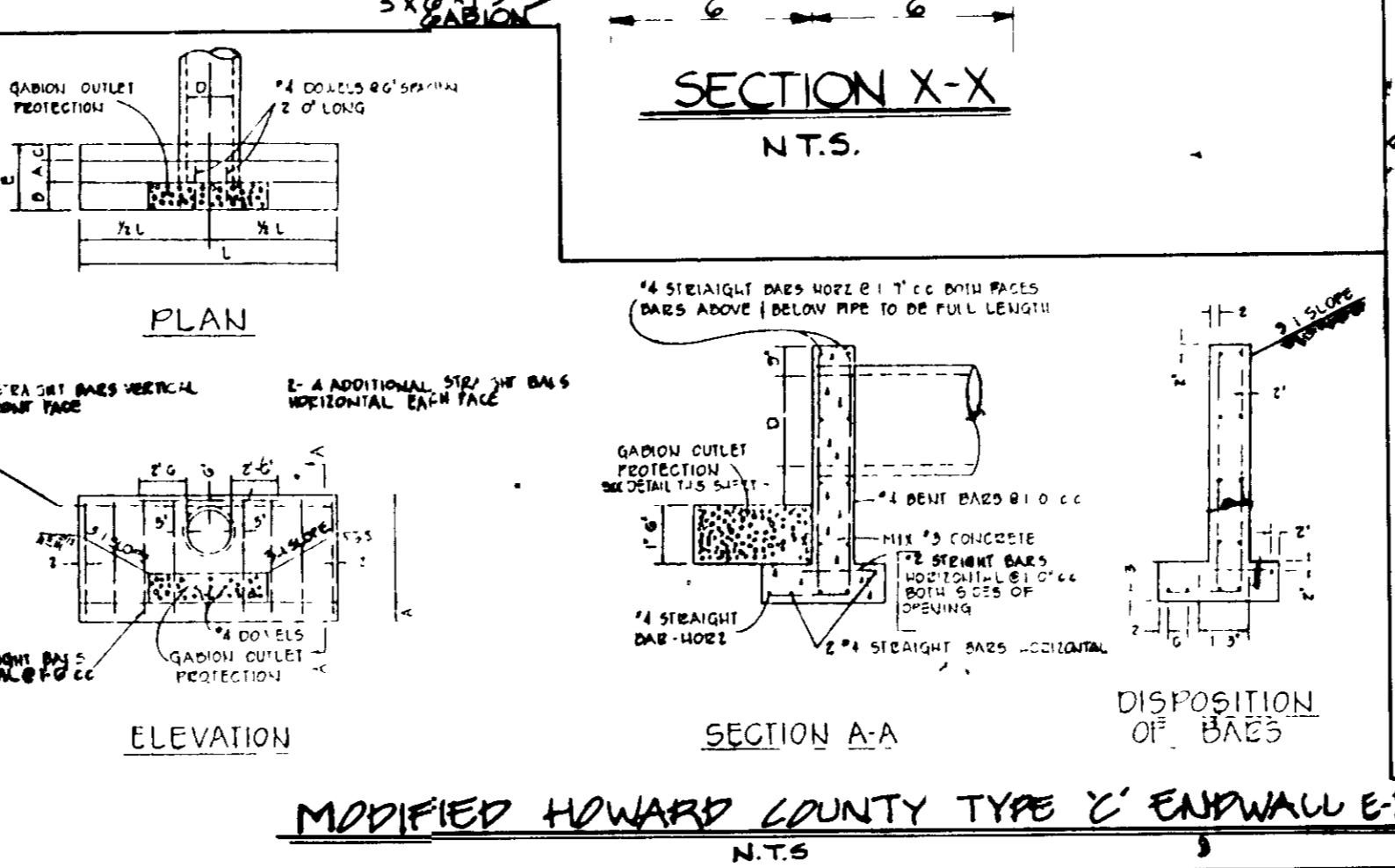
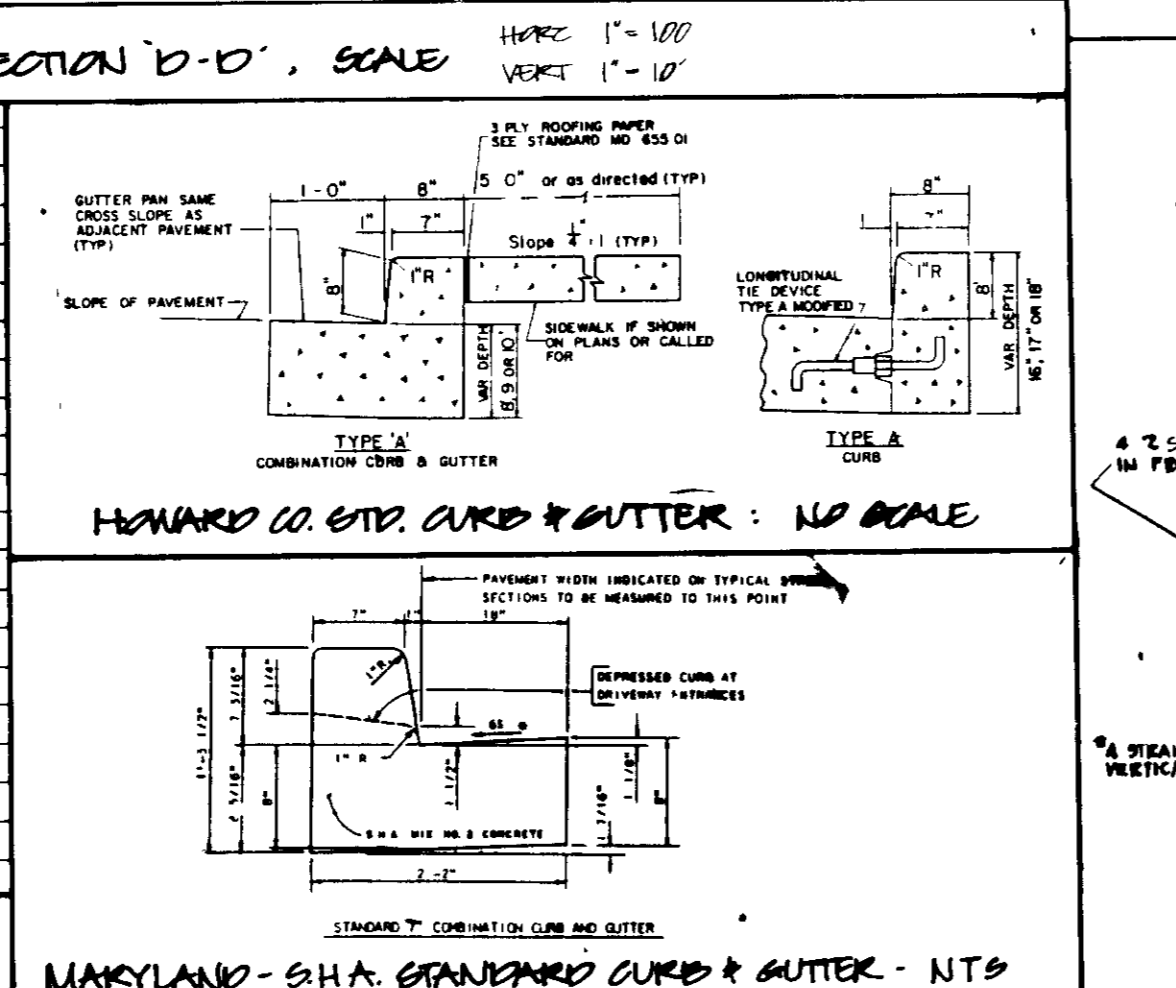
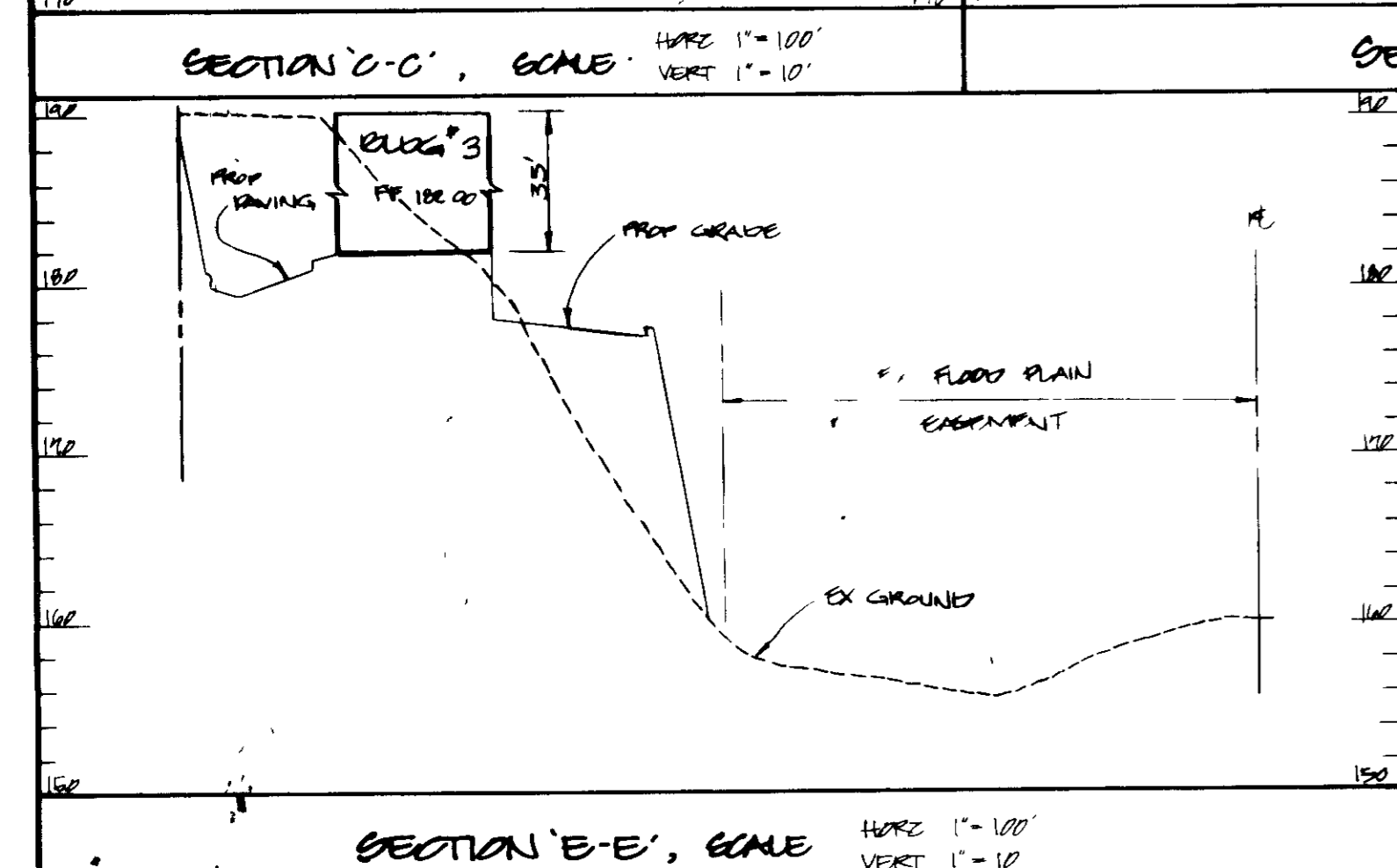
APPROVED: [Signature] 10-20-88 Date
 Howard County Office of Planning & Zoning

Director: [Signature] 10-20-88 Date
 Chief Division of Community Planning & Land Development

APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.

[Signature] 10/16/88 Date
 Director

[Signature] 10-12-88 Date
 Chief Bureau of Engineering



DES: P.C.
 DWG: J.W.
 CNK: P.C.

PROFILES & DETAILS FOR PROPOSED OFFICE WAREHOUSE BUILDINGS

SCHATTNER PROPERTY

HOWARD COUNTY, MARYLAND PARCEL 535
 SCALE: AS SHOWN P.N. 6000

ELECT DIST 1
 MAP #43
 DATE: JULY 11, 1988
 SHT. 2 OF 8

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21284
 (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 THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER: TARDORAKA CHAKRABARTI
 REG NO: [blank]
 DATE: [blank]

DEVELOPER
 MSR ASSOCIATES
 % MERRITT
 2066 LORD BALTIMORE DRIVE
 BALTIMORE, MARYLAND 21207
 (301) 298-2600

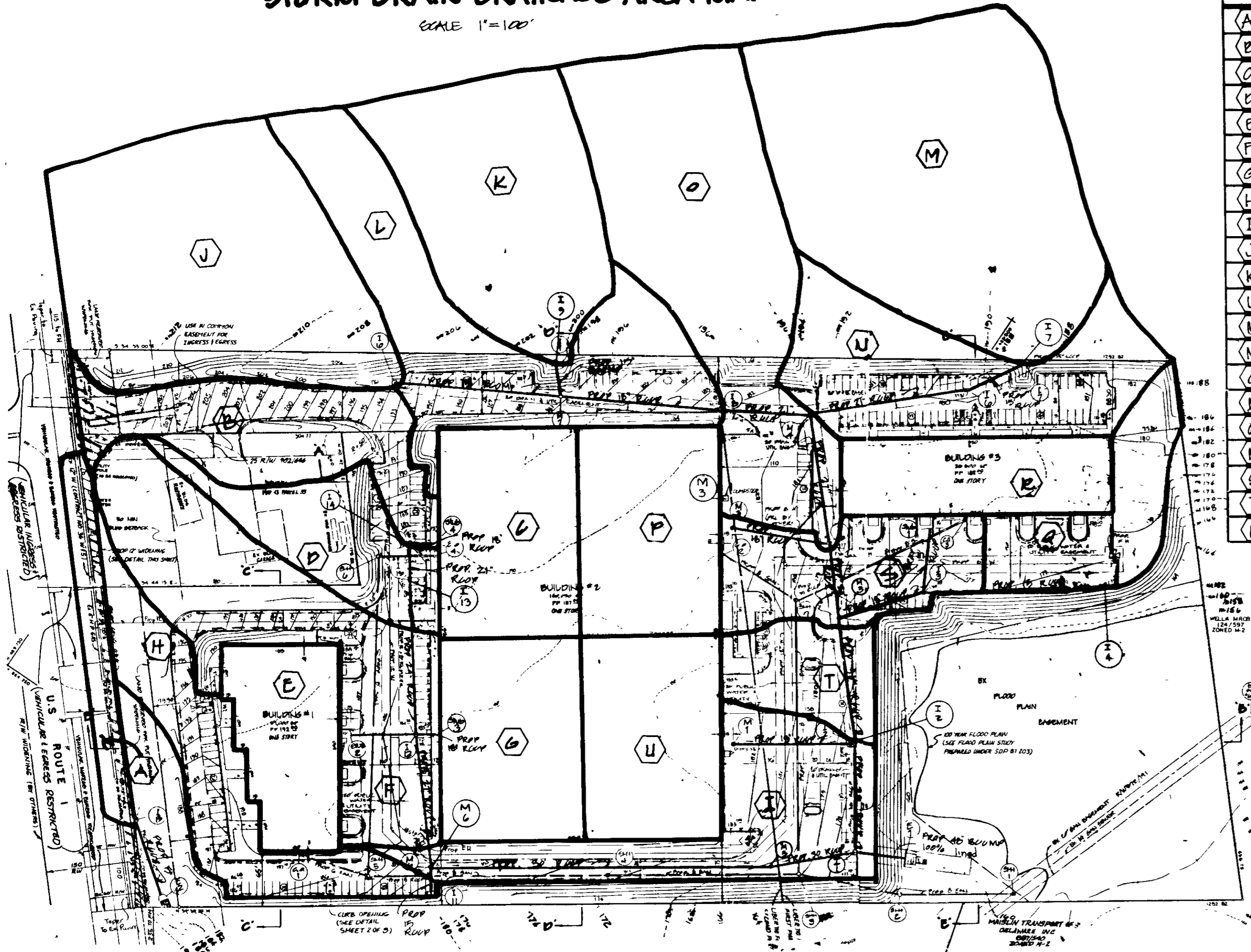
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SIGNATURE OF DEVELOPER: [Signature]
 DATE: 3/28/89
 MANAGING PARTNER

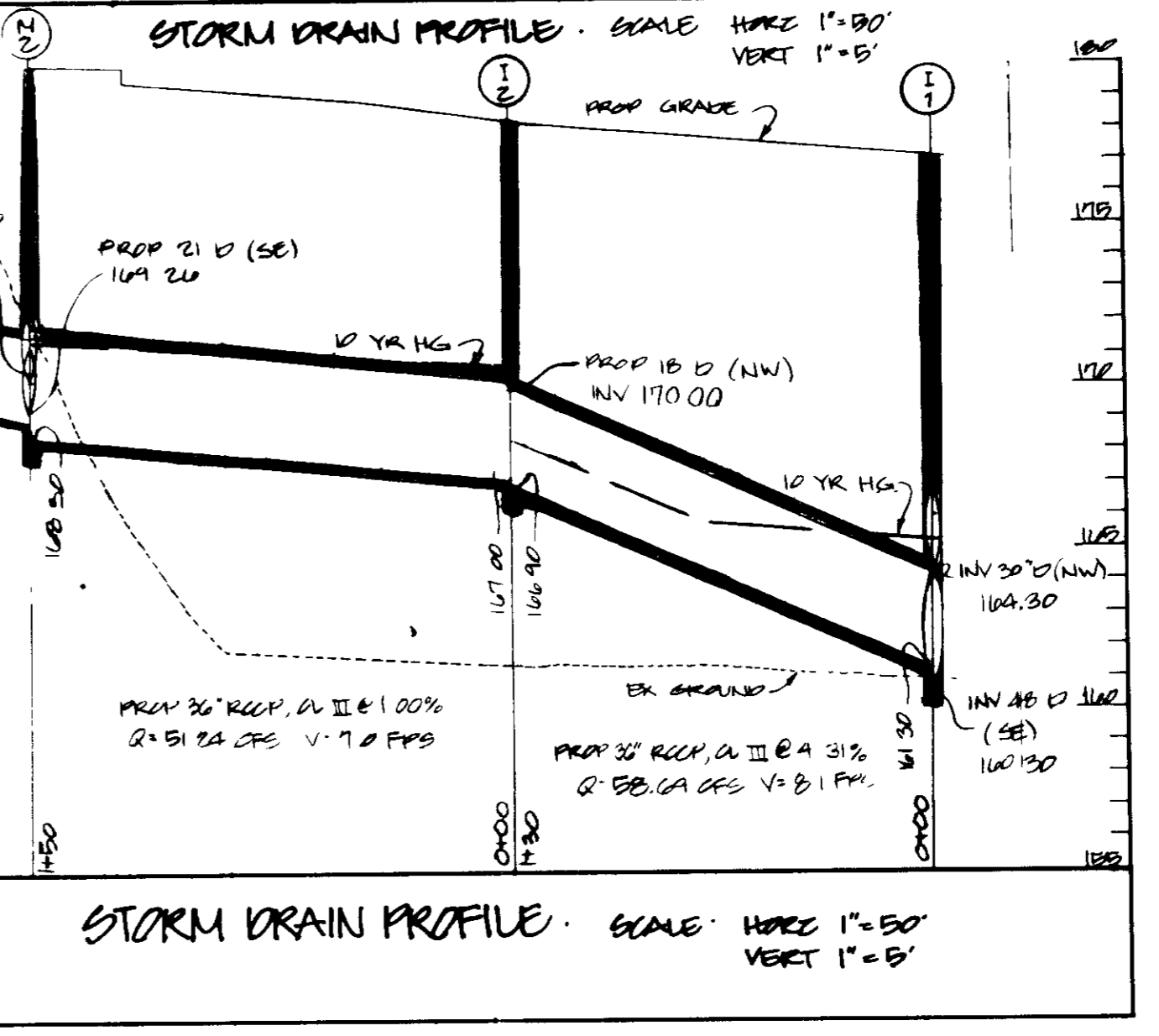
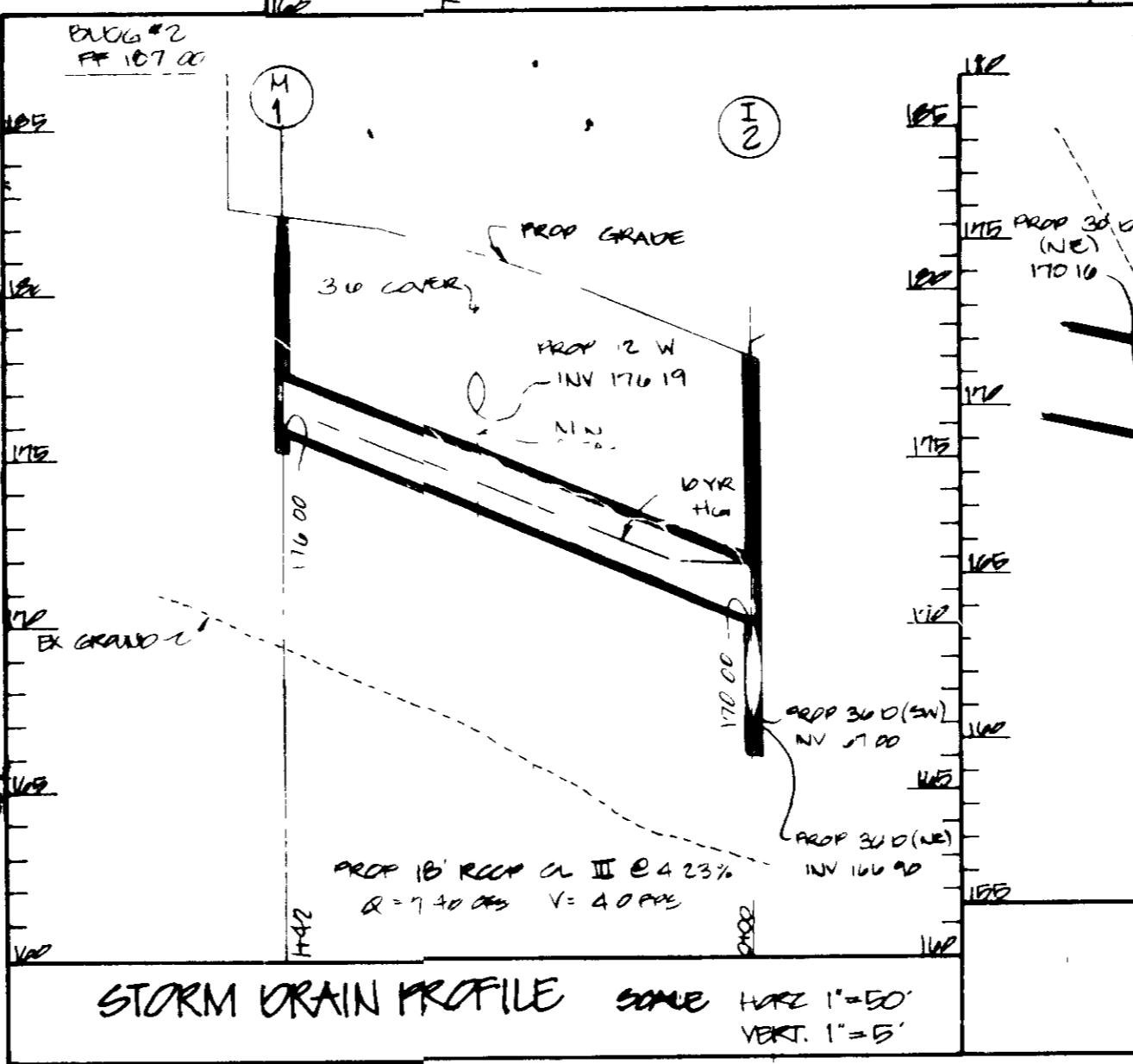
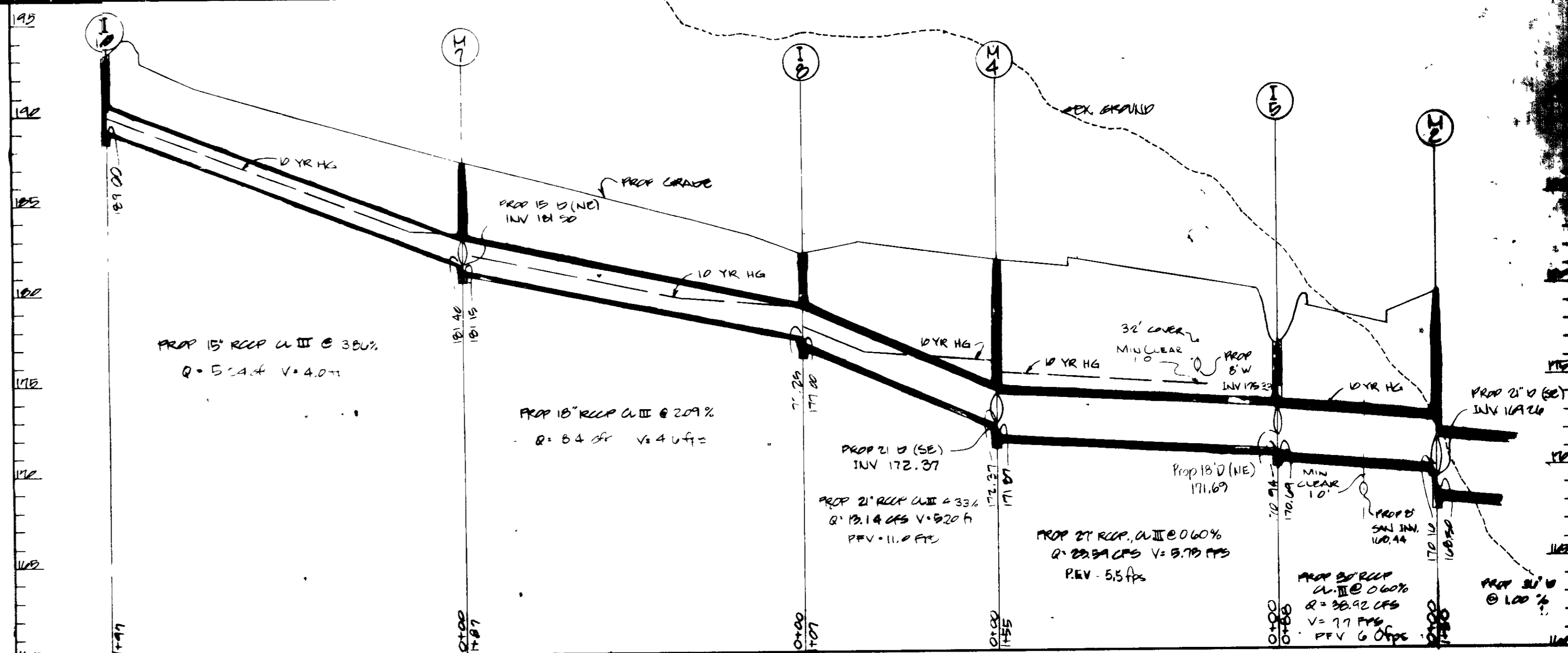
SDP-84-04

STORM DRAIN DRAINAGE AREA MAP

SCALE 1"=100'

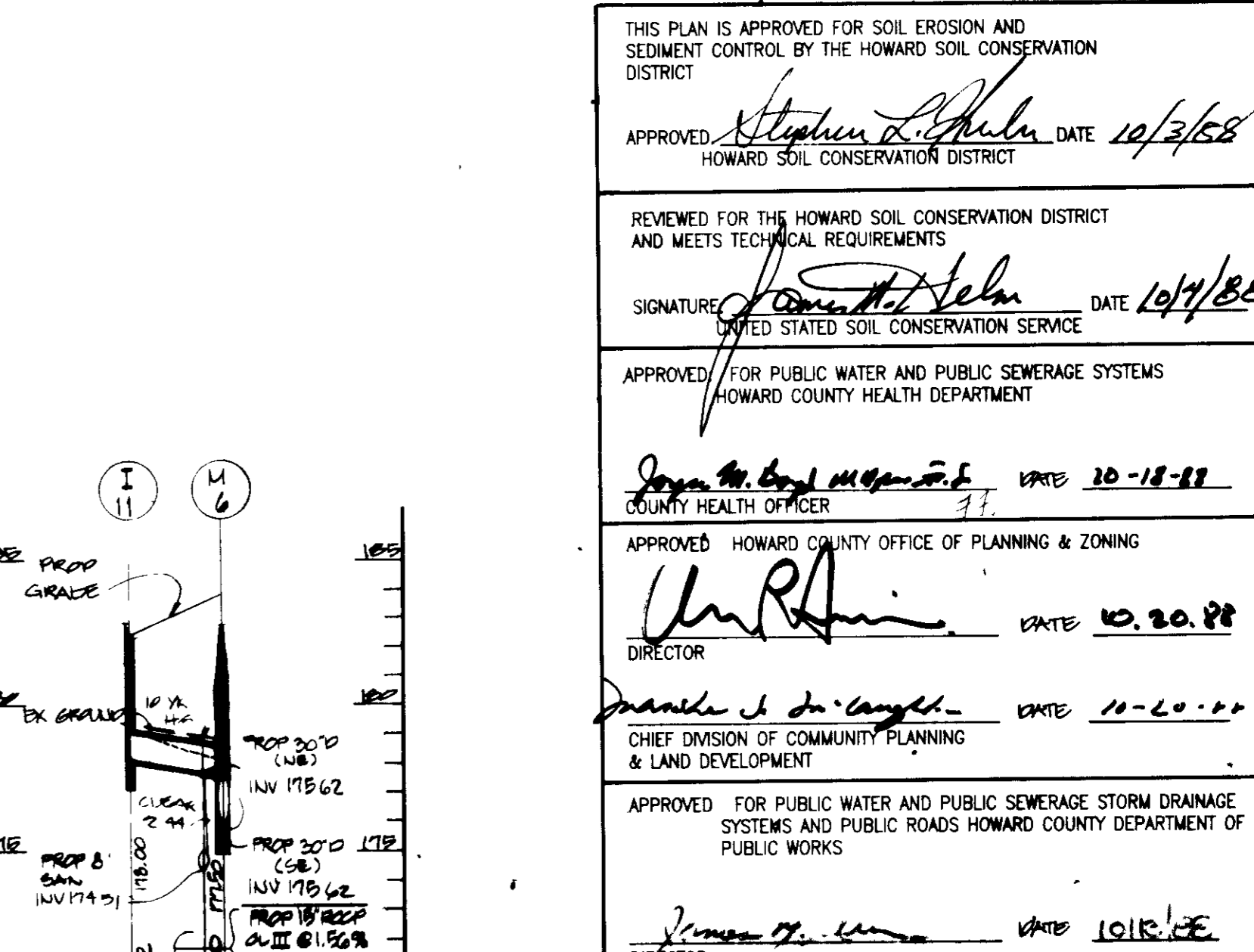
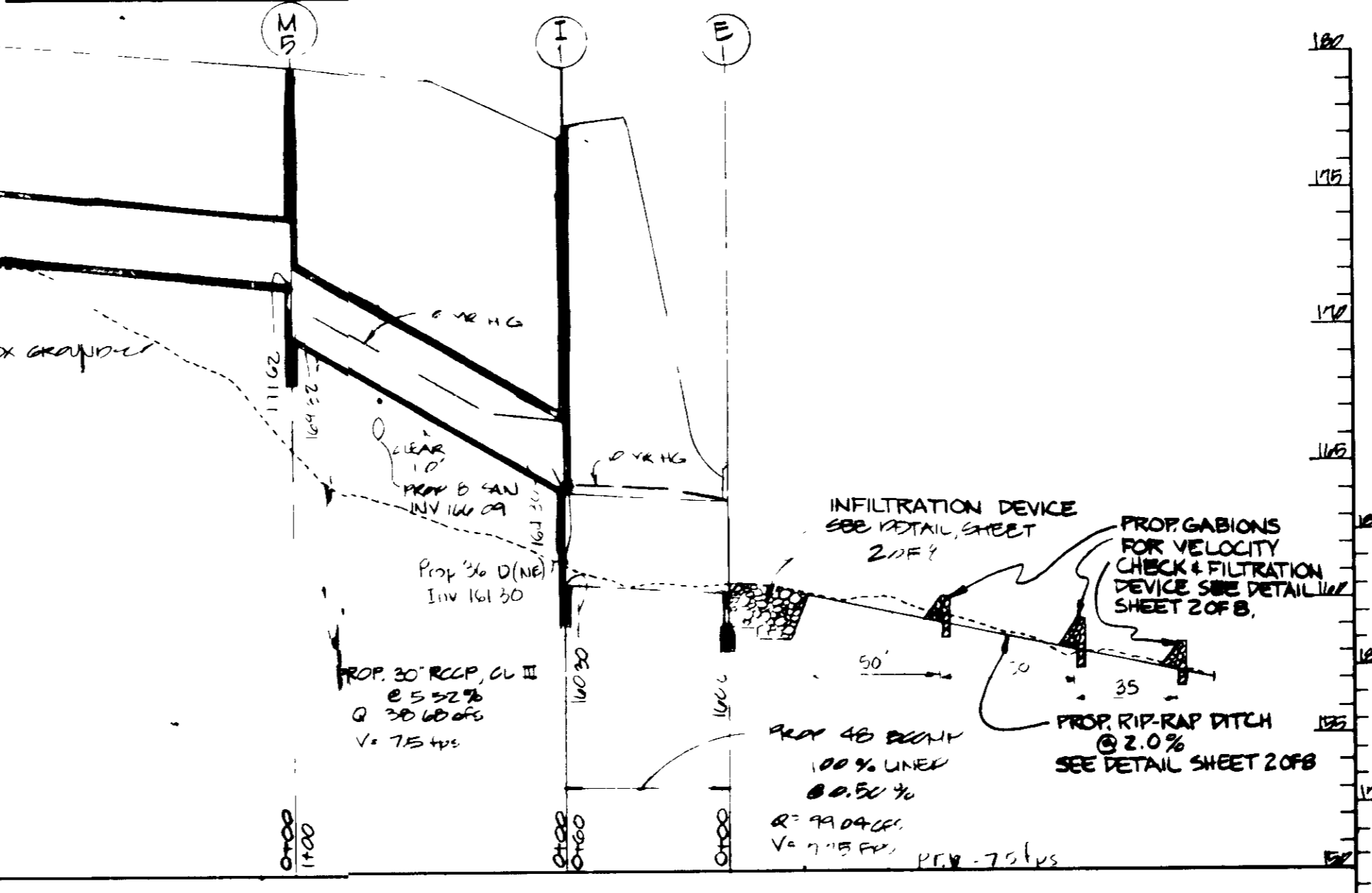
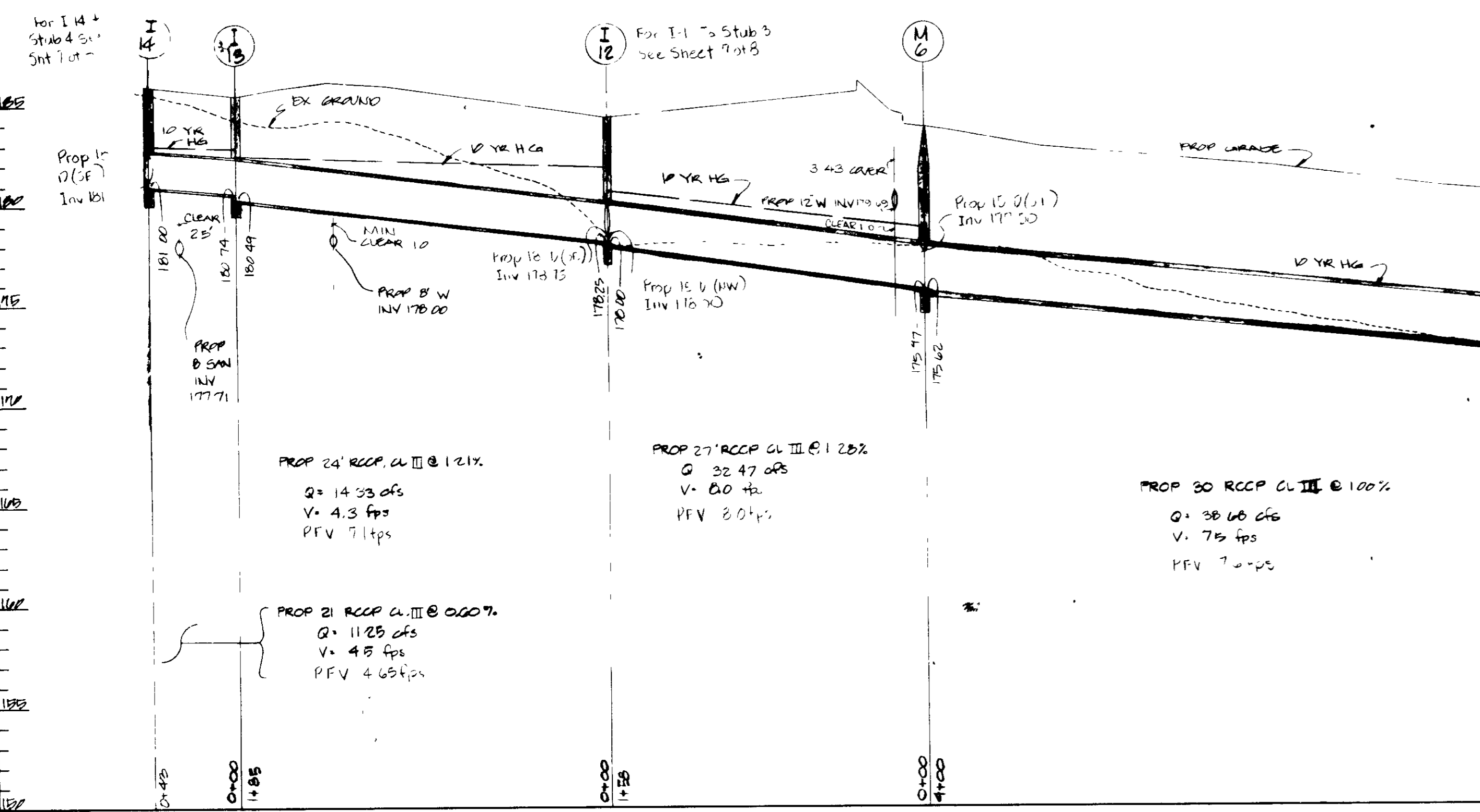


AREA	ACREAGE	"C"
A	0.31	0.95
B	0.92	0.60
C	0.92	0.98
D	0.66	0.05
E	0.62	0.95
F	1.60	0.60
G	0.92	0.95
H	1.10	0.70
I	1.11	0.80
J	2.31	0.30
K	1.50	0.80
L	1.40	0.44
M	2.74	0.30
N	1.10	0.80
O	2.70	0.82
P	0.92	0.98
Q	0.84	0.90
R	0.00	0.98
S	0.74	0.80
T	0.47	0.87
U	0.92	0.95



NOTE For Profile I 9 to M-7 See Sht. 7 of 8

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-8-88



STORM DRAIN PROFILE SCALE: HORIZ 1"=50' VERT 1"=5'

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

APPROVED *Stephen J. Shultz* DATE 10/3/88
 HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE *James H. Selva* DATE 10/7/88
 DISTRICT STATED SOIL CONSERVATION SERVICE

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

John M. Boyd DATE 10-18-88
 COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

U. R. Hines DATE 10-20-88
 DIRECTOR

Franklin J. de'Campbell DATE 11-20-88
 CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

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

William H. ... DATE 10-18-88
 DIRECTOR

William H. ... DATE 10-18-88
 CHIEF BUREAU OF ENGINEERING

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21204
 (301) 825-8120



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 SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER _____
 REG. NO. _____ DATE _____

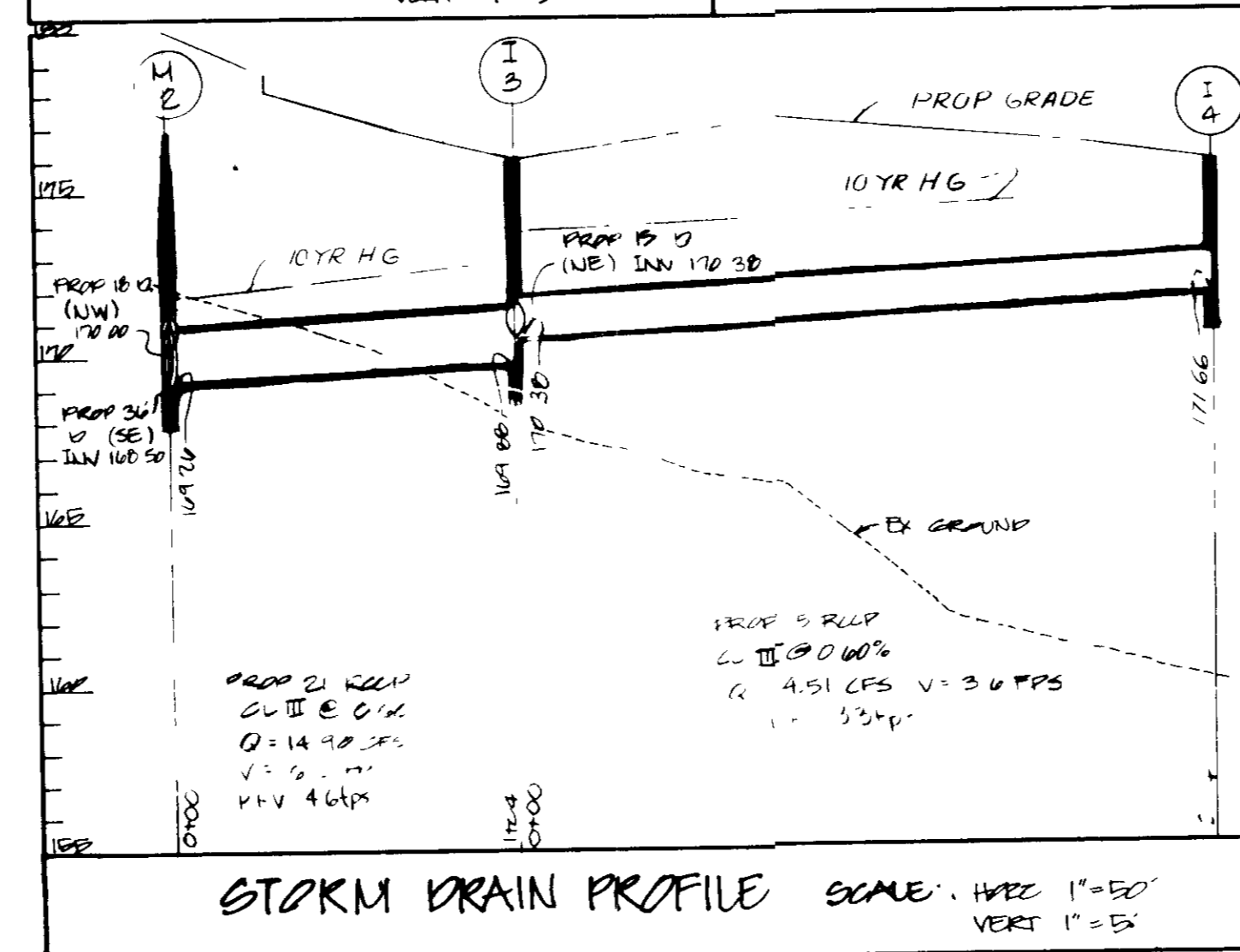
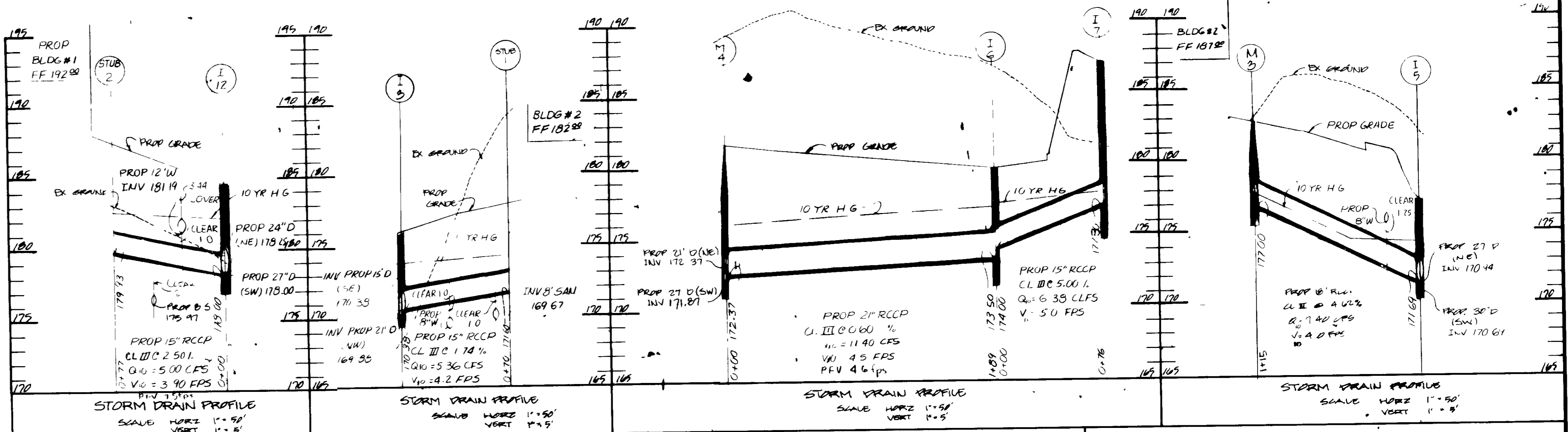
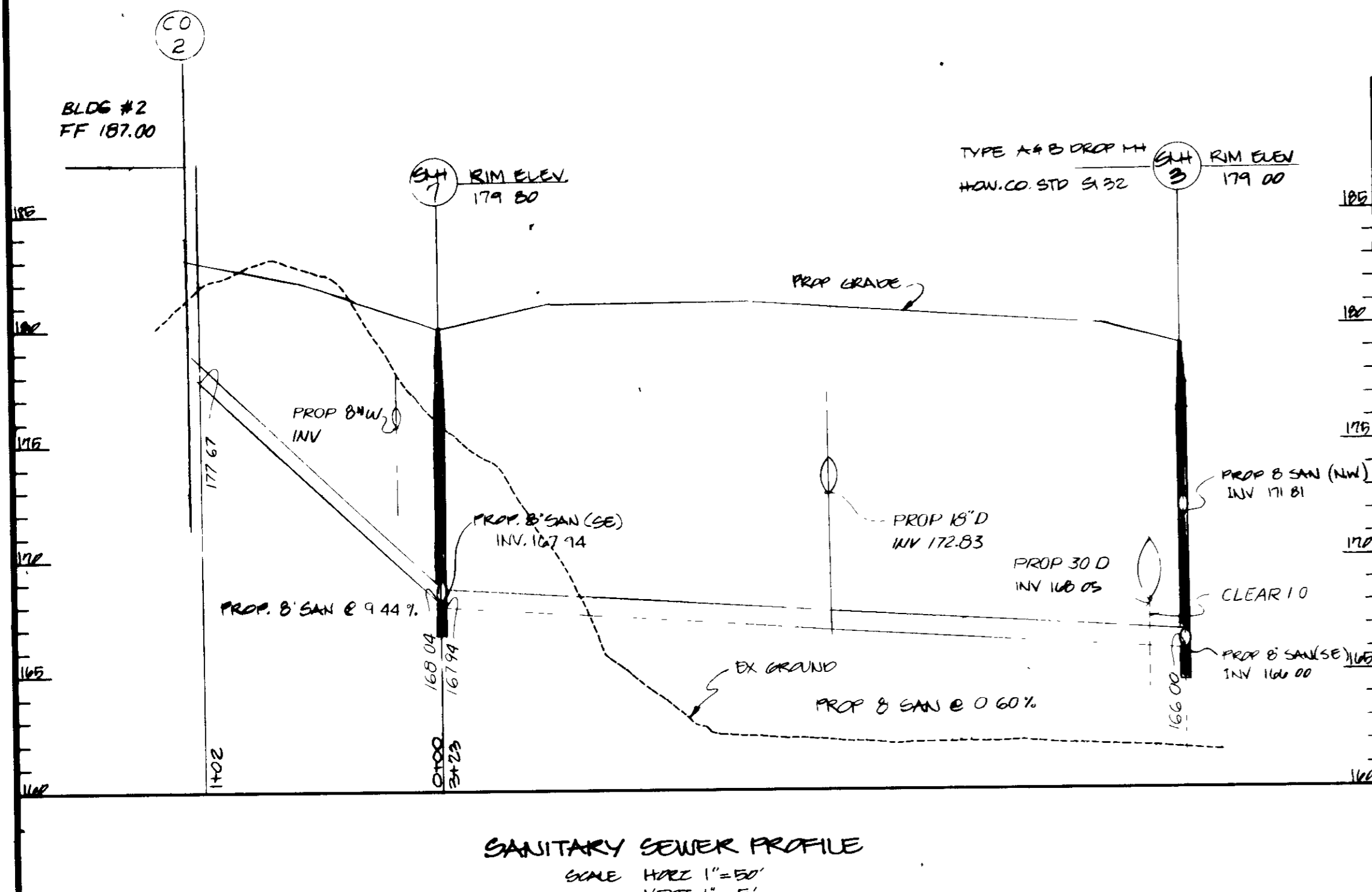
OWNER/DEVELOPER
MSR ASSOCIATES
c/o MERRITT
 2066 LARD BALTIMORE DRIVE
 BALTIMORE, MARYLAND 21207
 (301) 240-2400

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 DEPT. OF NATURAL RESOURCES APPROVED 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. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER *Lesly M. Merritt* DATE 10/1/88
 LESLY M. MERRITT RAISING PARTNER

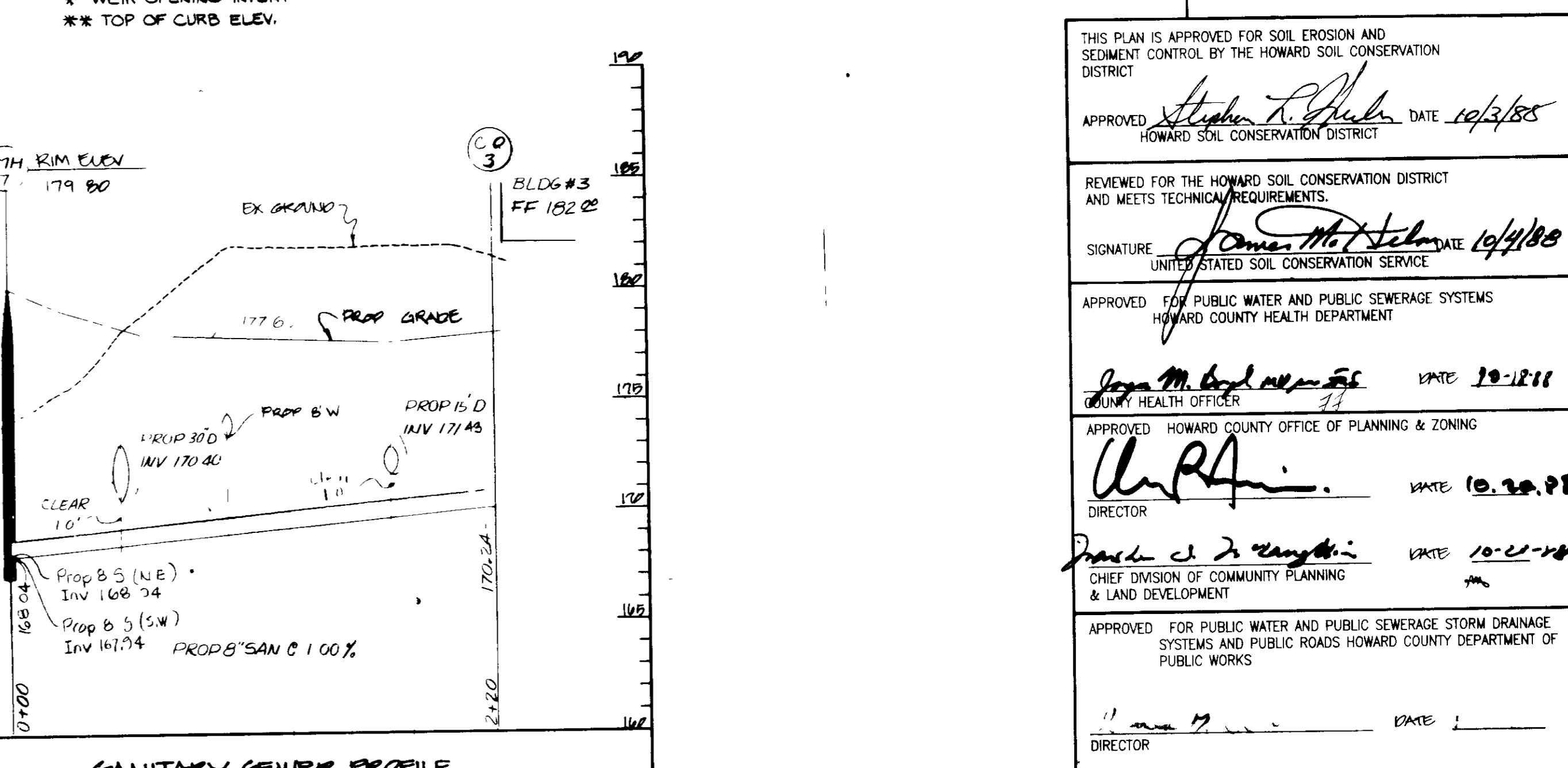
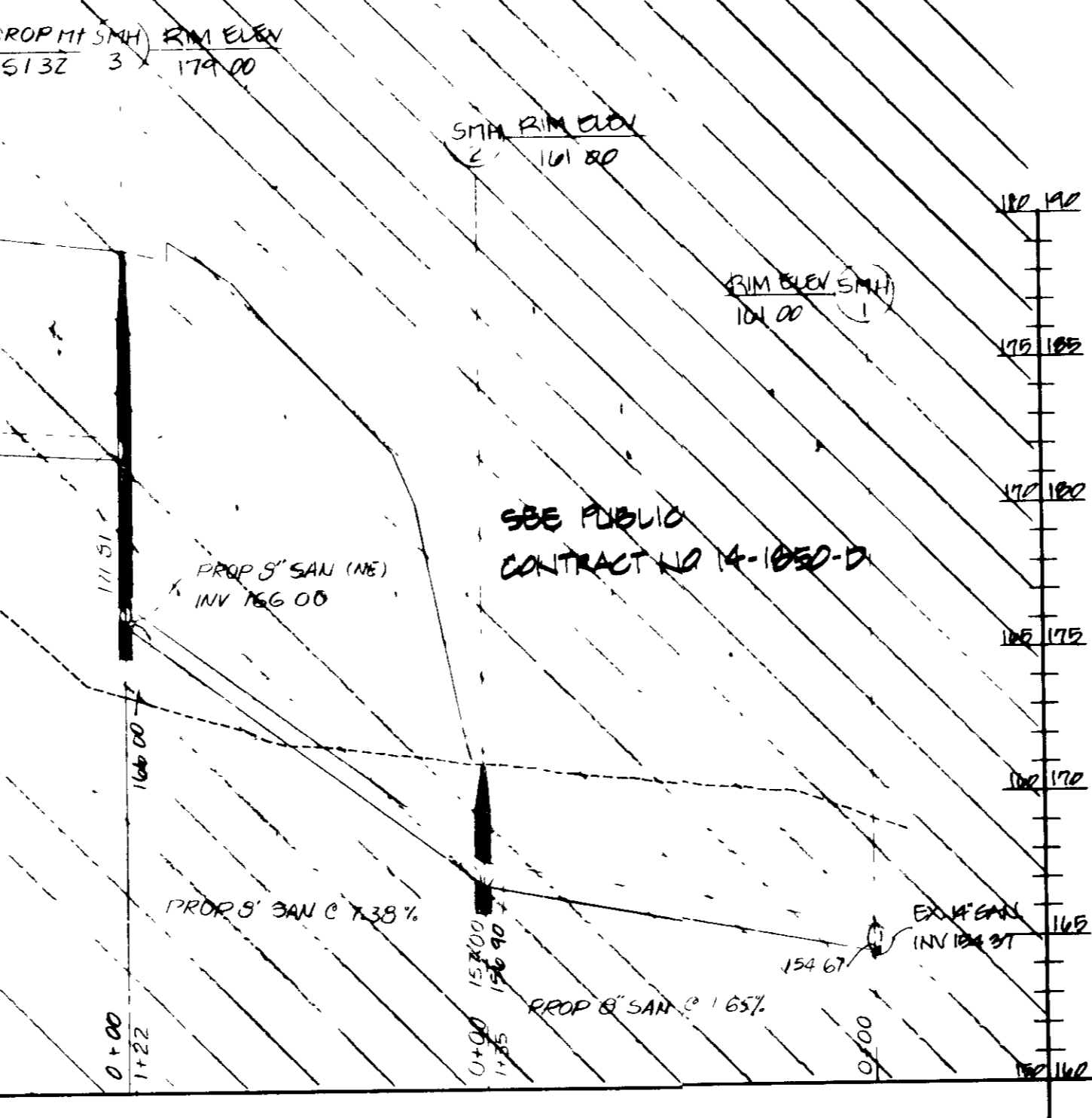
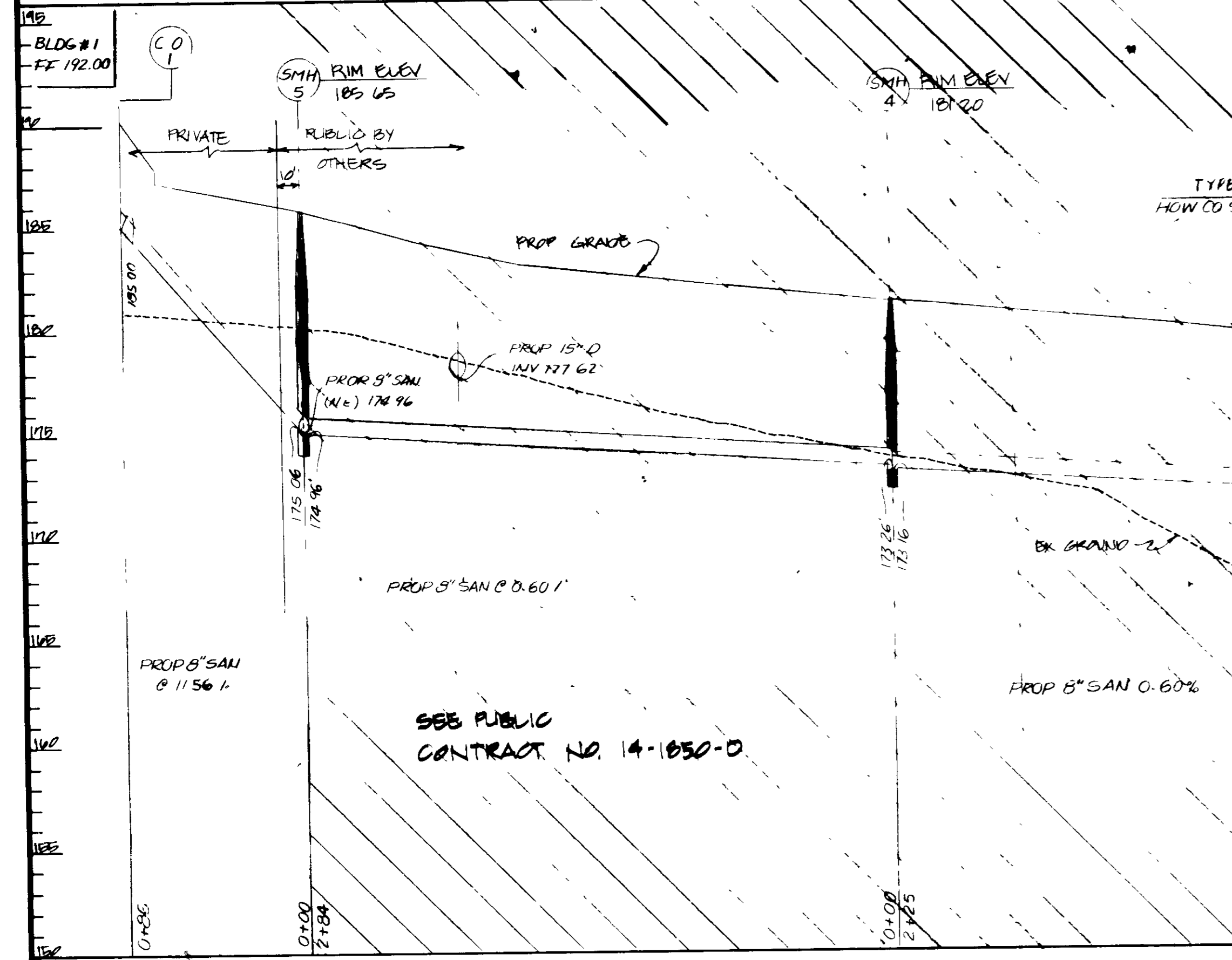
DESIGNED: P.R.C.
 DRAWN: P.R.C.
 CHECKED: P.R.C.

THE SCHATNER PROPERTY
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT NO. 1
 PARCEL 555 MAP # 88
 SCALE AS SHOWN DATE JULY 11, 1988
 P.N. 6000 SHEET 5 OF 8



NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	DOUBLE 'S' COMB	164.30	160.30	**171.60	SEE HO CO STD SD-434
I-2	DOUBLE 'S' COMB	167.00	166.90	**178.87	" " " " " " " "
I-3	DOUBLE 'S'	170.36	169.80	176.00	" " " " " " " "
I-4	DBL 'S' COMB	---	171.60	**176.20	" " " " " " SD-434
I-5	DOUBLE 'S'	171.69	170.69	177.00	" " " " " " SD-423
I-6	DOUBLE 'S'	174.00	173.50	179.50	" " " " " " " "
I-7	OPENING 3 SIDES	---	171.80	*187.00	" " " " " " SD-4.11
I-8	DBL 'S' COMB	177.25	177.00	182.60	" " " " " " SD-434
I-9	OPENING 3 SIDES	---	189.46	*199.00	" " " " " " SD-4.23
I-10	OPENING 3 SIDES	---	181.00	*193.00	" " " " " " SD-4.11
I-11	DBL 'S' COMB	---	178.00	**182.92	" " " " " " SD-434
I-12	DOUBLE 'S'	178.25	178.00	184.50	" " " " " " SD-423
I-13	DOUBLE 'S'	180.74	180.49	185.58	" " " " " " " "
I-14	DOUBLE 'S'	---	181.00	186.00	" " " " " " " "
I-15	CONC INLET 20"	---	185.00	**192.16	SEE SHA STD 174.51
M-1	PRECAST MH	---	176.00	182.50	SEE HO CO STD G-5.12
M-2	PRECAST MH	170.16	168.50	180.00	" " " " " " G-5.13
M-3	SHALLOW PRECAST	---	177.00	181.70	" " " " " " G-5.12
M-4	PRECAST MH	172.37	171.87	181.50	" " " " " " " "
M-5	PRECAST MH	171.62	169.82	179.90	" " " " " " G-5.13
M-6	PRECAST MH	175.97	175.02	183.90	" " " " " " " "
E-1	MOD 'C'	---	160.00	---	SEE DETAIL SHIT 2 of B
E-2	CONC END SECT	---	186.00	---	SEE SHA STD 346.01
M-7	PRECAST MH	181.50	181.15	187.15	" " " " " " G-5.13

NOTE: FOR PROFILE I-15 TO E-2 SEE SHIT 7 OF B



APPROVED:
DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATION
HOWARD COUNTY MARYLAND
DATE 9-8-88

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

APPROVED: *Stephen R. Fisher* DATE 10/3/88
HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE: *James M. DeLoach* DATE 10/1/88
UNITED STATES SOIL CONSERVATION SERVICE

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

Joyce M. Boyd DATE 10-12-88
COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

Chris R. ... DATE 10-20-88
DIRECTOR

David C. DeLoach DATE 10-21-88
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

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

... DATE
DIRECTOR

William B. Reid DATE 10-22-88
CHIEF BUREAU OF ENGINEERING

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND 21204
(301) 825-8120

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 SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER: *Ubnata Charnabarti*
REG NO: _____ DATE: _____

DEVELOPER'S CERTIFICATE

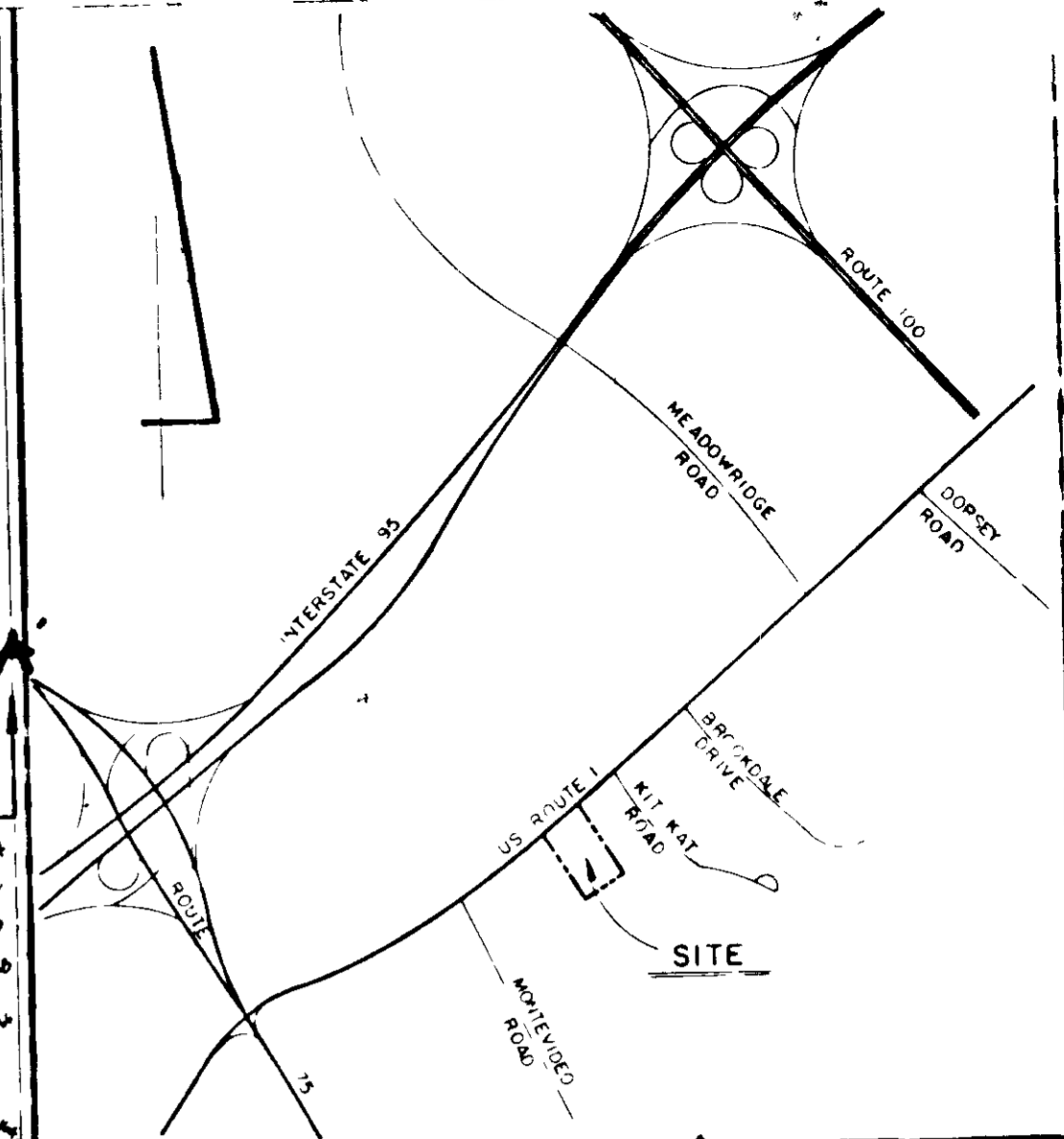
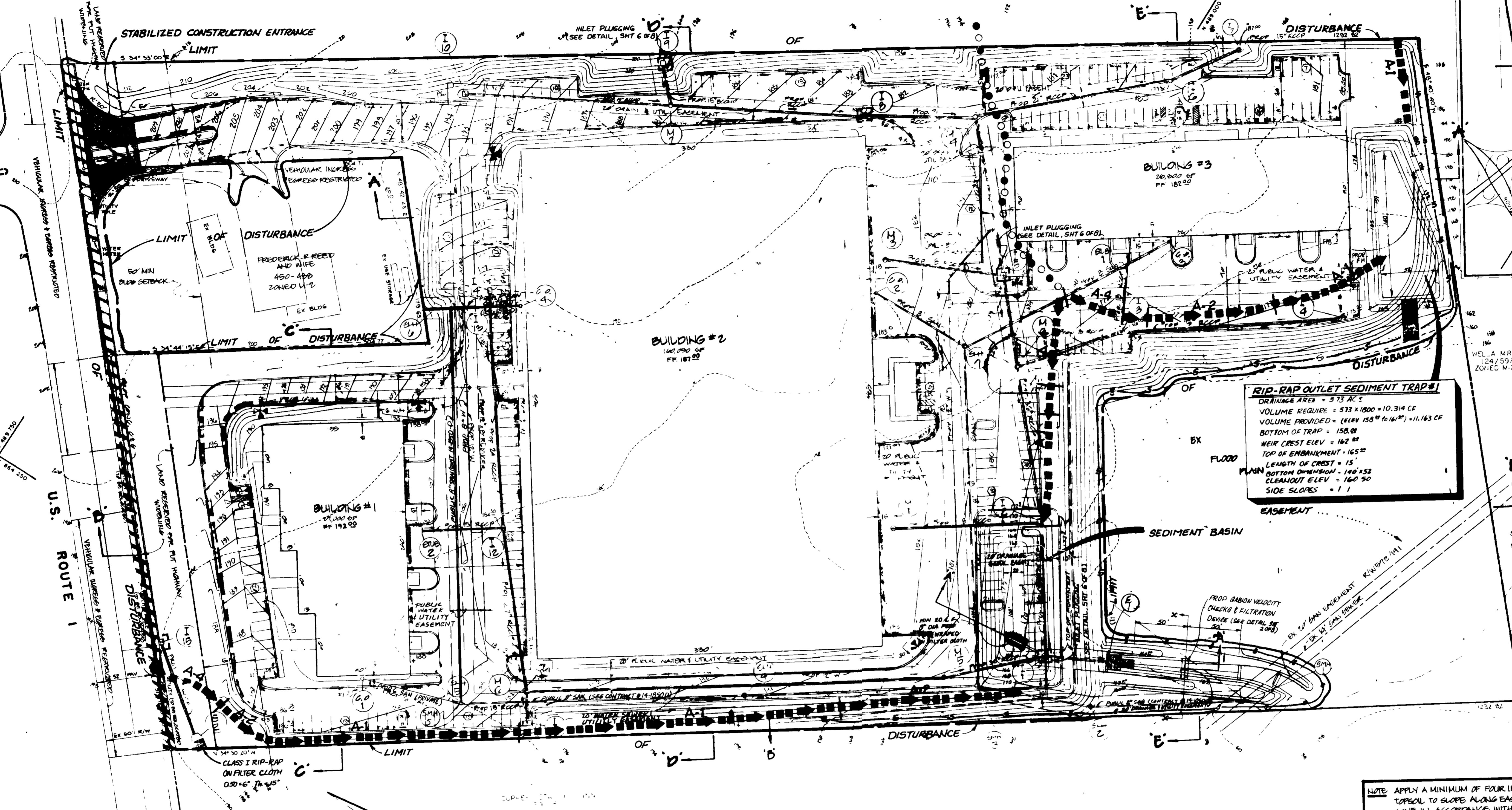
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS NECESSARY AND APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER: *MSR Associates % Merritt*
TITLE: *MANAGING PARTNER*
DATE: _____

THE SCHATTKNER PROPERTY

PARCEL #1
HOWARD COUNTY, MARYLAND ELECTION DISTRICT NUMBER 1
PARCEL 595 MAP #43
SCALE AS SHOWN DATE JULY 11, 1980
SHEET 4 OF 8

S 4 A SHPAK
497/428
ZONED M-2

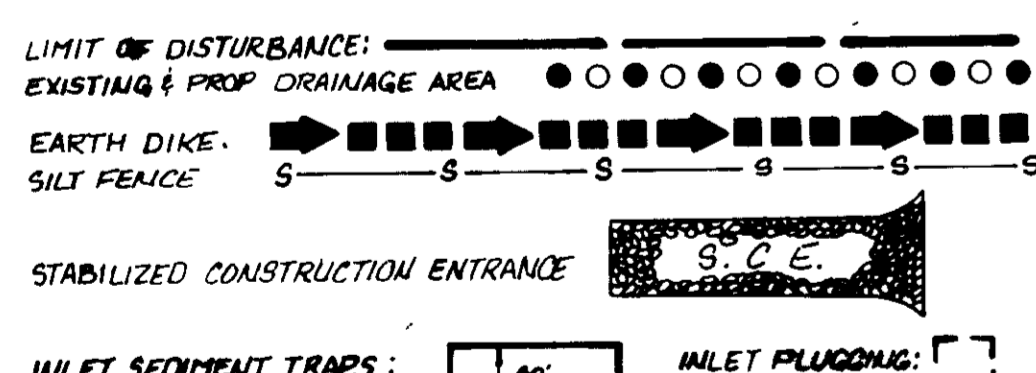


VICINITY MAP
SCALE 1" = 2000'
GENERAL NOTES

- 1. MAXIMUM BUILDING HEIGHT - 40'
- 2. ALL AREAS NOT BEING PAVED OR RECEIVING BUILDING COVERAGE SHALL BE GRADED TO BE ACCORDANCE WITH THE PLANS APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
- 3. ANY DRAINAGE TO PUBLIC RIGHTS OF WAY AND/OR PUBLIC UTILITY PROPERTIES SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- 4. THE CONTRACTOR SHALL MAINTAIN AT LEAST A 2' LEVEL BENCH BEHIND ALL CURB AND WALKER IN FULL AREAS.
- 5. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES TO HIS OWN SPECIFICATION BEFORE STARTING CONSTRUCTION.
- 6. ALL SLOPES SHALL BE 2:1 OR FLATTER.
- 7. ALL WATER SHALL BE DRAINAGE ACCORDANCE WITH HOWARD COUNTY ENGINEERING REGULATIONS AND DETAILS FOR CONSTRUCTION, OR AS SHOWN ON THESE PLANS.
- 8. THE CONTRACTOR SHALL NOTIFY THE CDP TELEPHONE CO AND THE GAS AND ELECTRIC COMPANIES 48 HOURS BEFORE STARTING WORK ON ANY THOSE PLANS BY CALLING "HAND UTILITY CALL CENTER" 1-800-333-3300.
- 9. ALL DETAILS OF PAVES AND SLOPES FOR THE HANDICAPPED AND AGED SHALL BE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT AND AS SHOWN HEREON.
- 10. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3% COVER OVER ALL EXISTING PAVES - 1" DEEP.
- 11. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE AT ALL TIMES TO BE FREE OF OBSTACLES TO THE PUBLIC.
- 12. THE CONTRACTOR SHALL REMOVE ALL EXISTING TREES, CURB AND SUTTER, ETC. THAT MAY INTERFERE WITH PROPOSED CONSTRUCTION.
- 13. ALL UTILITIES INSTALLED SHALL RECEIVE FULL TRENCH PROTECTION.
- 14. ALL WATER MAIN TAPS, REPAIR TAPS, ETC. SHALL BE OUTFITTED AND ACCORDANCE WITH HOWARD COUNTY ENGINEERING REGULATIONS.

RIP-RAP OUTLET SEDIMENT TRAP #1
 DRAINAGE AREA = 573 AC
 VOLUME REQUIRED = 573 x 1000 = 10,314 CF
 VOLUME PROVIDED = (61.5' x 150' x 10' x 1.1) = 10,163 CF
 BOTTOM OF TRAP = 158.00'
 WEIR CREST ELEV = 162.00'
 TOP OF ENHANCEMENT = 165.00'
 LENGTH OF CREST = 15'
 PLAIN BOTTOM DIMENSION = 160' x 50'
 SIDE SLOPES = 1:1

SEDIMENT CONTROL LEGEND



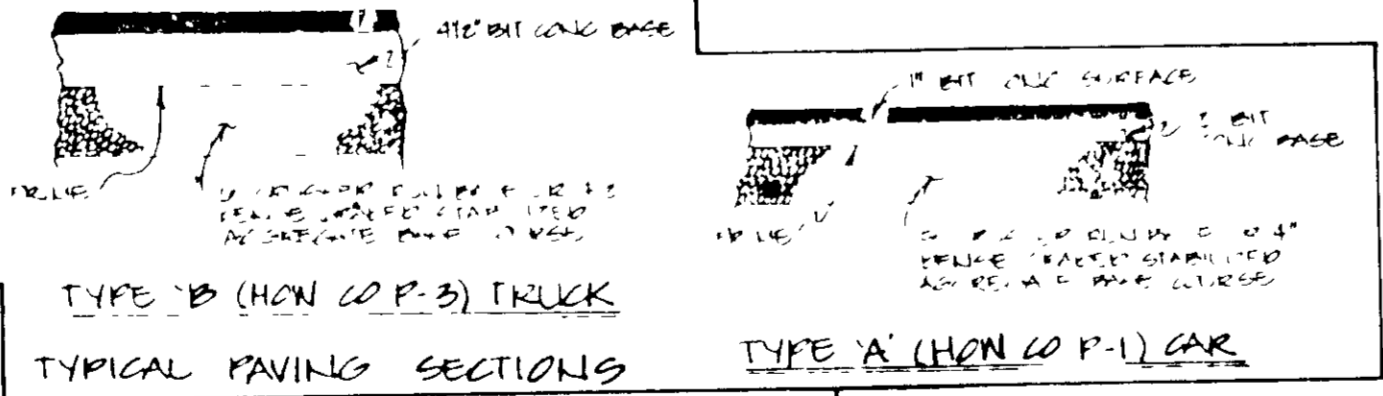
PLAN SCALE 1" = 50'

NOTE: APPLY A MINIMUM OF FOUR INCHES OF TOPSOIL TO SLOPE ALONG EAST PROPERTY LINE IN ACCORDANCE WITH P 51.01 TO 08 OF THE 1988 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

APPROVED
DIVISION OF LAND USE
ZONING ADMINISTRATION
HOWARD COUNTY
DATE 9-8-88

SEQUENCE OF OPERATIONS

1. OBTAIN GRADING PERMIT.
2. NOTIFY HOWARD COUNTY PERMITS INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND BEGIN BASIN AND RIP-RAP OUTLET SEDIMENT TRAP CONSTRUCTION.
4. INSTALL EARTH DIKES AND SILT FENCE.
5. STRIP AND STOCKPILE TOPSOIL OR DISPOSE OF ON AN APPROVED SITE WITH SEDIMENT AND EROSION CONTROL MEASURES IN PLACE.
6. BEGIN MAJOR GRADING. ADJUST EARTH DIKES AS GRADING PROGRESSES.
7. BEGIN UTILITY CONSTRUCTION WITH THE EXCEPTION OF THE STORM DRAINS WITHIN THE SEDIMENT BASIN. BASIN TO REMAIN IN PLACE AS LONG AS POSSIBLE. AS UTILITIES ARE CONSTRUCTED AREAS ARE TO BE BROUGHT TO GRADE AND PAVED IMMEDIATELY.
8. REMOVE RIP-RAP OUTLET TRAP AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR.
9. REMOVE SEDIMENT BASIN DURING 5 DAY DRY WEATHER FORECAST, BACKFILL AND INSTALL STORM DRAINS WITHIN THE BASIN AREA IMMEDIATELY.
10. STABILIZE AND LANDSCAPE ANY REMAINING AREAS.



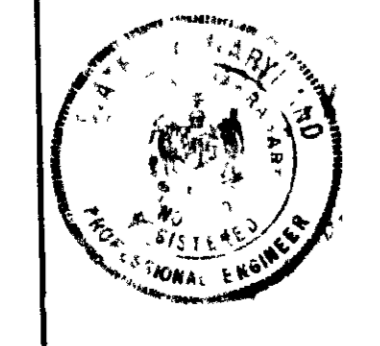
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC PLANS BY HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 James M. Shaw, DIRECTOR, 10-20-88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature], DIRECTOR, 10-20-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
 [Signature], COUNTY HEALTH OFFICER, 10-11-88

APPROVED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 [Signature], UNITED STATES SOIL CONSERVATION SERVICE, 10/1/88

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21284
 (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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER: [Signature]
 REG. NO.: 10123
 DATE: 10/1/88

DEVELOPER: MSR ASSOCIATES
 C/O MERRITT
 2066 LORD BALTIMORE DRIVE
 BALTIMORE, MARYLAND 21207
 (301) 298-2600

DESIGNER: P.C.
 DWG: J.W.
 CNK: P.C.

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. ALSO, I AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT. THIS PLAN SHALL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF DEVELOPER: [Signature]
 DATE: 10/1/88
 MANAGING PARTNER

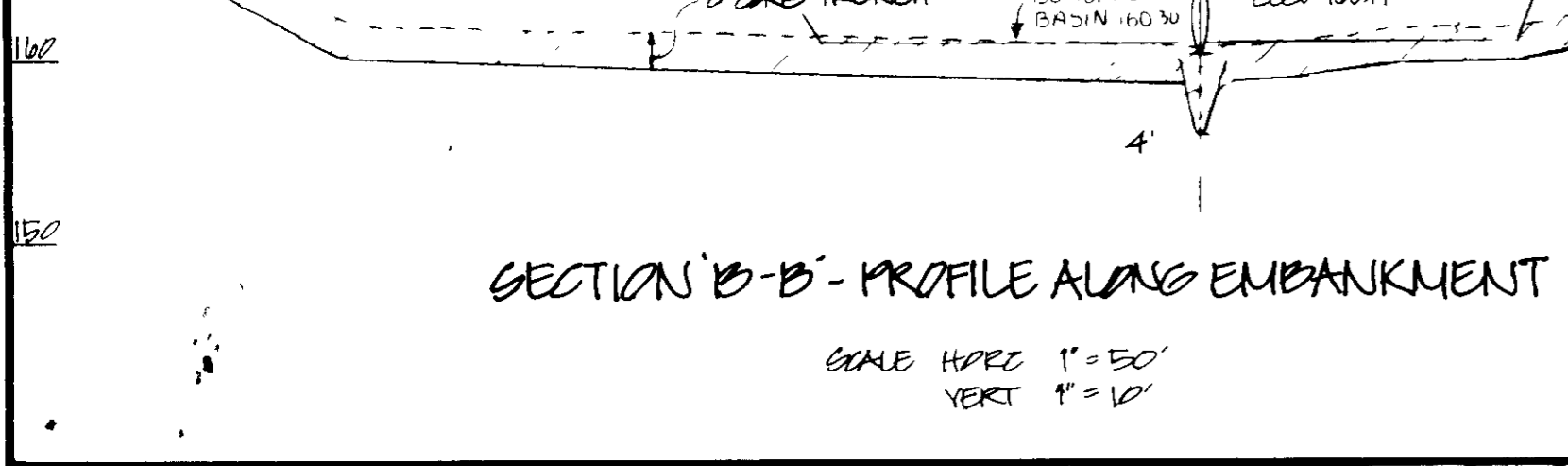
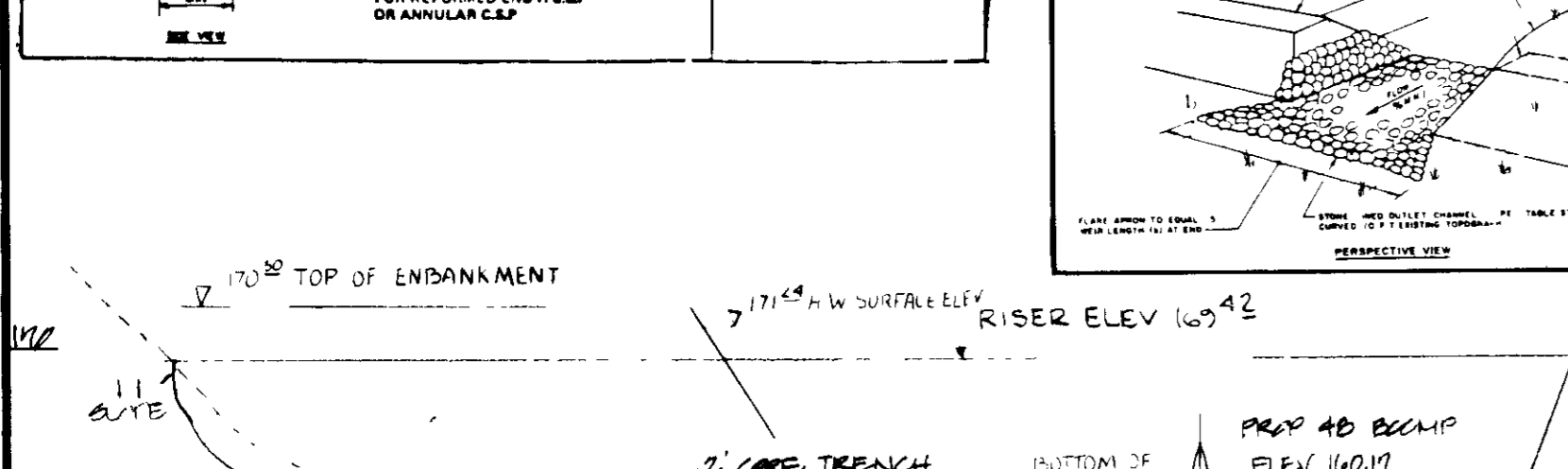
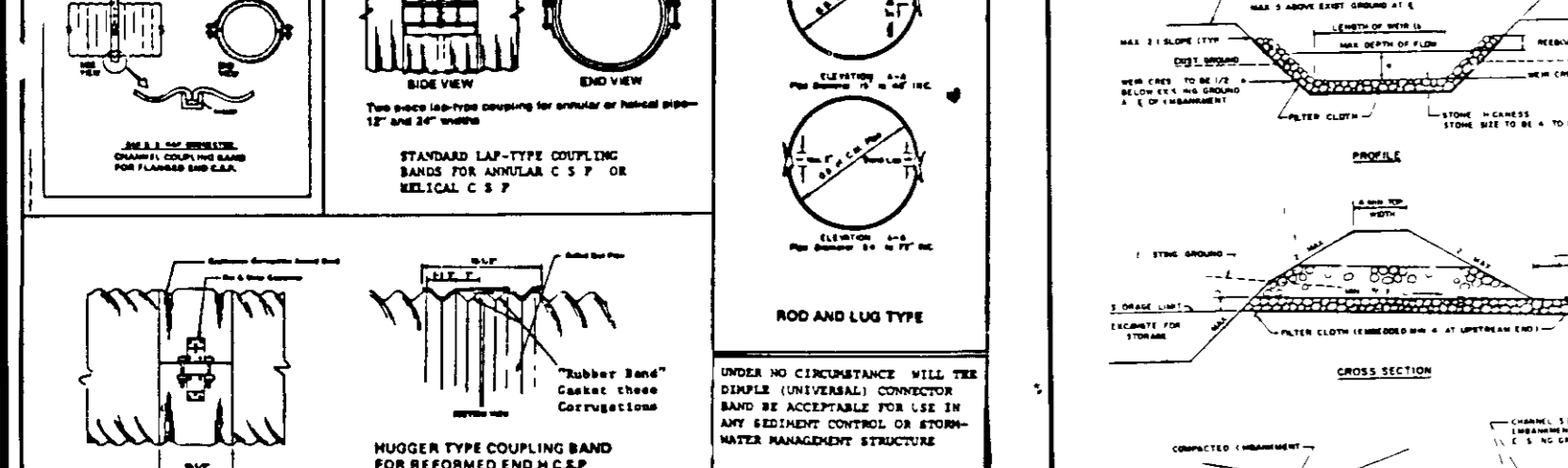
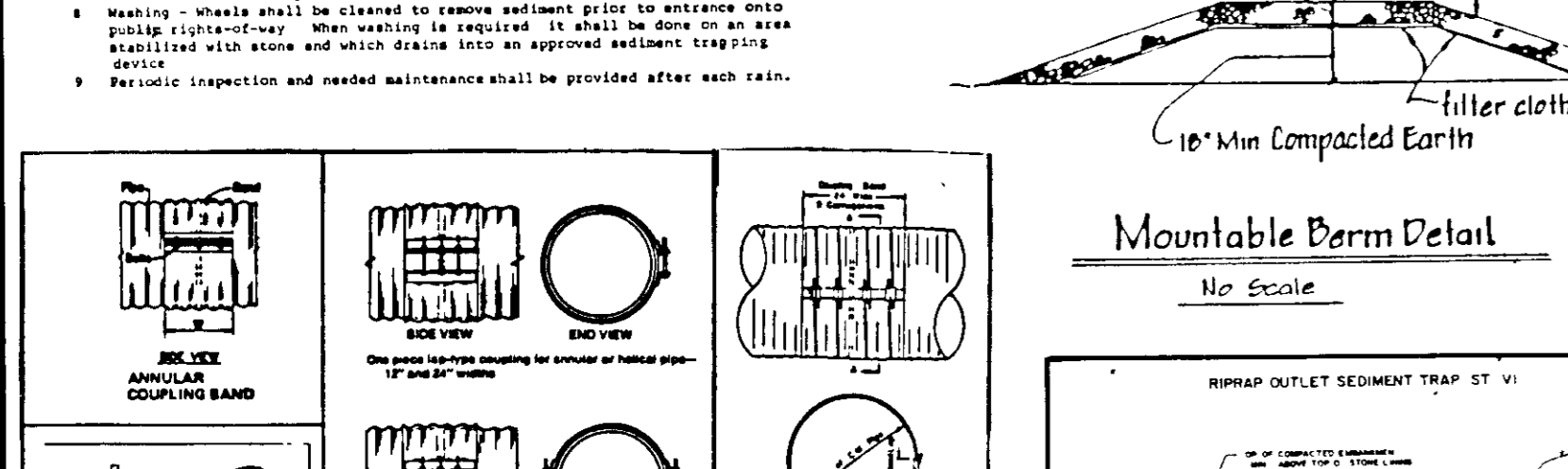
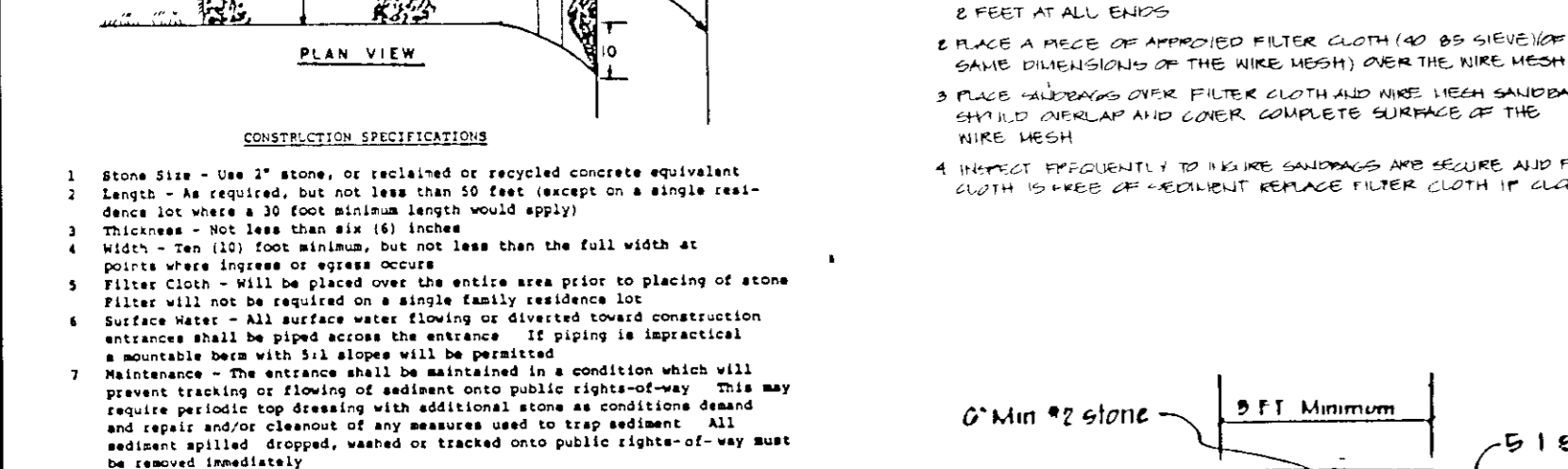
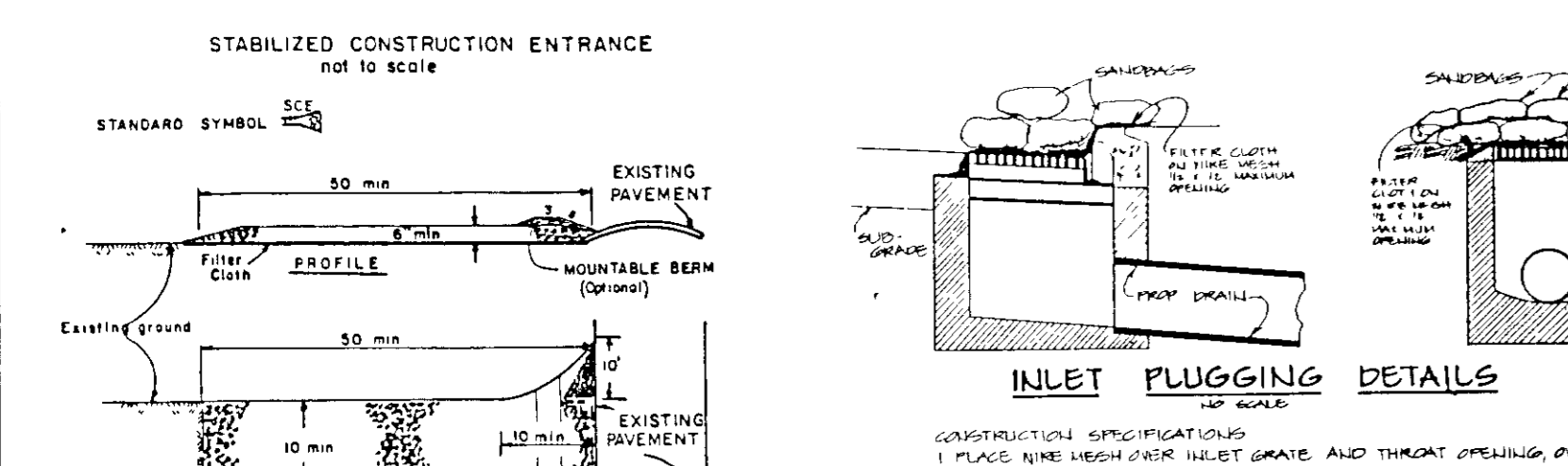
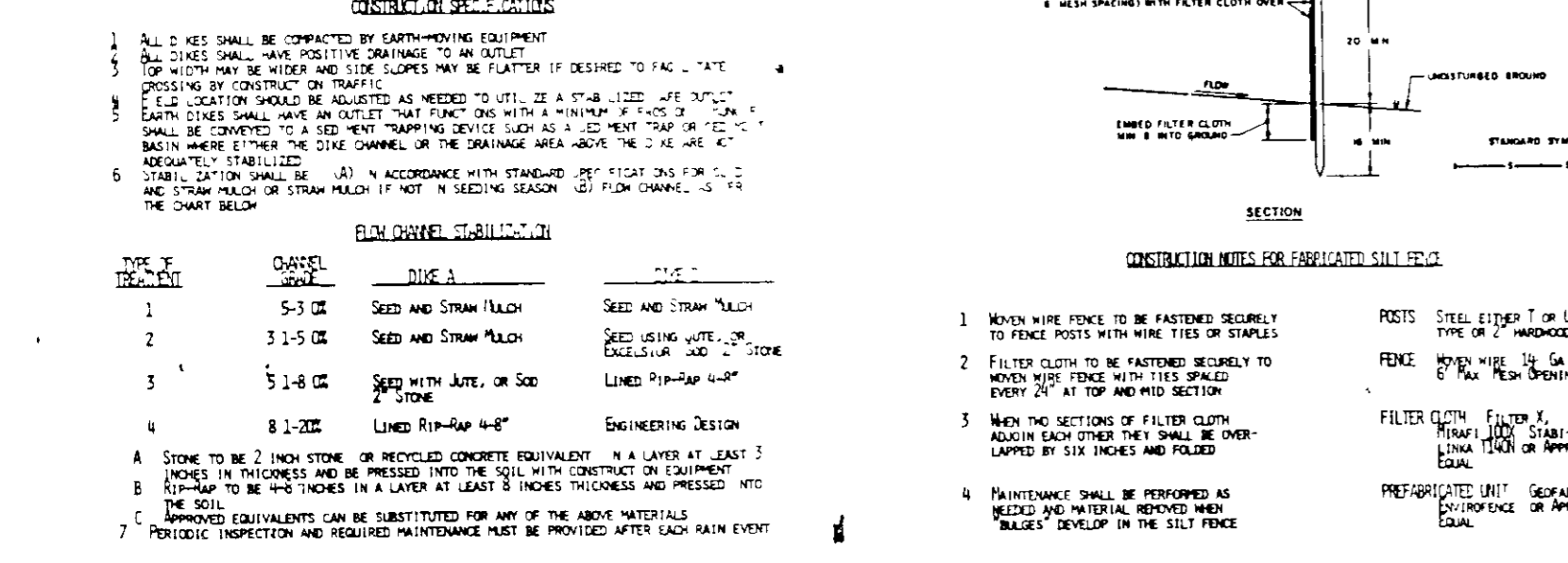
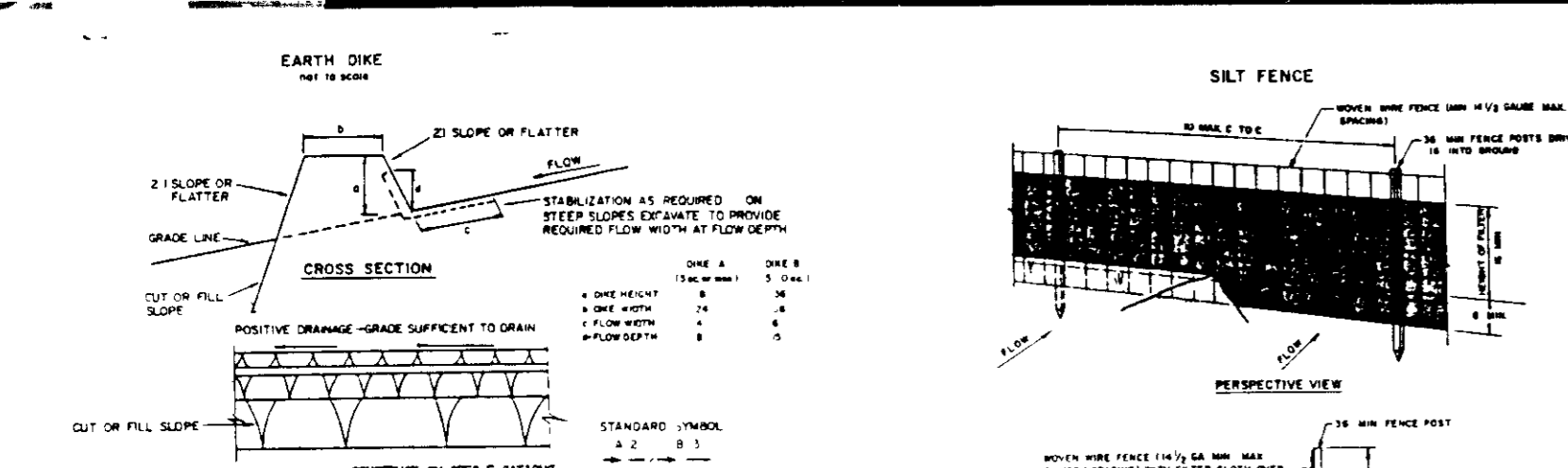
ADDRESS CHART

1	1975 U.S. ROUTE 1
2	1985 U.S. ROUTE 1
3	1995 U.S. ROUTE 1

SUBMISSION NAME: ROBERT SCHATNER
 PROPERTY OF: ROBERT SCHATNER
 PLAT: 98-277
 BLOCK: 4-10
 ZONE: M-2
 TAX/TERRINE MAP: 43
 ELECT DIST: 1
 CENSUS TRACT: 6012
 WATER CODE: 501
 SEWER CODE: 2870000

SEDIMENT & EROSION CONTROL PLAN
 FOR
 PROPOSED OFFICE & WAREHOUSE BUILDINGS
SCHATNER PROPERTY
 HOWARD COUNTY, MARYLAND
 PARCEL # 1
 ELECT. DIST. 1
 MAP # 43
 DATE: JULY 11, 1988
 SHT. 5 OF 6

501-89-09



SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (1983 MSSE).
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within a 7 calendar days for all permanent sediment control structures, dikes, permanent slopes and all slopes greater than 3:1, 14 days for all other disturbed or graded areas on the project site.
- All sediment control structures shall be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12 of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 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. 51) and (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with which allows can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 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.
- Site Address: Total Area of Site 14.842 Acres, Area Disturbed 15.50 Acres, Area to be vegetatively stabilized 12.214 Acres, Total Fertilizer 10,716 lbs, Total Seed 1,167 lbs, Other site water/borrow areas 70-90 lbs / 1000 sq ft of unrotted straw immediately after seeding.
- Any sediment control practice which is disturbed by grading activity for lack of proper maintenance shall be replaced on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the construction agency shall be requested upon completion of stabilization of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other buildings or structures may not be authorized until this final approval by the inspection agency is in place.
- Material Will Be Obtained From A Site With An Approved Sediment Control Plan.

PERMANENT SEEDING NOTES

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

Soil Amendments: Use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. 100 lbs of disk used under three inches of soil. At time of seeding apply 400 lbs per acre 30-0-0 urea soil fertilizer (19 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (131 lbs/1000 sq ft) before seeding. 100 lbs of disk used under three inches of soil.

Mulching: For the periods March 1 thru April 30 and August 1 thru October 15, apply 1/2 ton (500 lbs) per acre (1/2 ton/1000 sq ft) of Kentucky 31 calli lettuce for the period May 1 thru July 31, and 1/2 ton (500 lbs) of Kentucky 31 calli lettuce per acre and 2 lbs per acre (1/2 lb/1000 sq ft) of seeding lovagegrass. During the period of October 16 thru February 28, project site by Option 1 - 1/2 tons per acre of well-rotted straw mulch and seed as soon as possible in the spring. Option 2) Use seed 70-90 lbs/1000 sq ft of Kentucky 31 calli lettuce and mulch with 2 tons of unrotted straw.

Mulching: Apply 1/2 to 2 tons per acre (1/2 to 2 lbs/1000 sq ft) of unrotted straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 lbs/gal per acre (1/2 lb/1000 sq ft) of mulch applied on flat areas. On slopes 8 feet or higher use 2 tons per acre of well-rotted straw mulch and seed as soon as possible in the spring, or use seed.

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

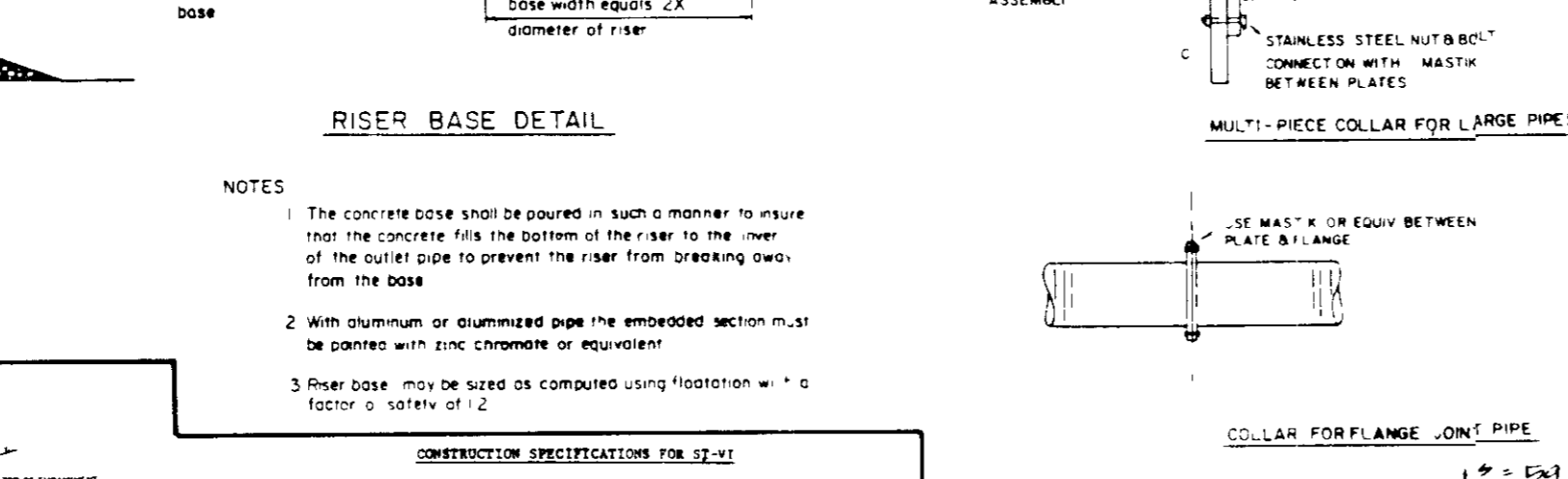
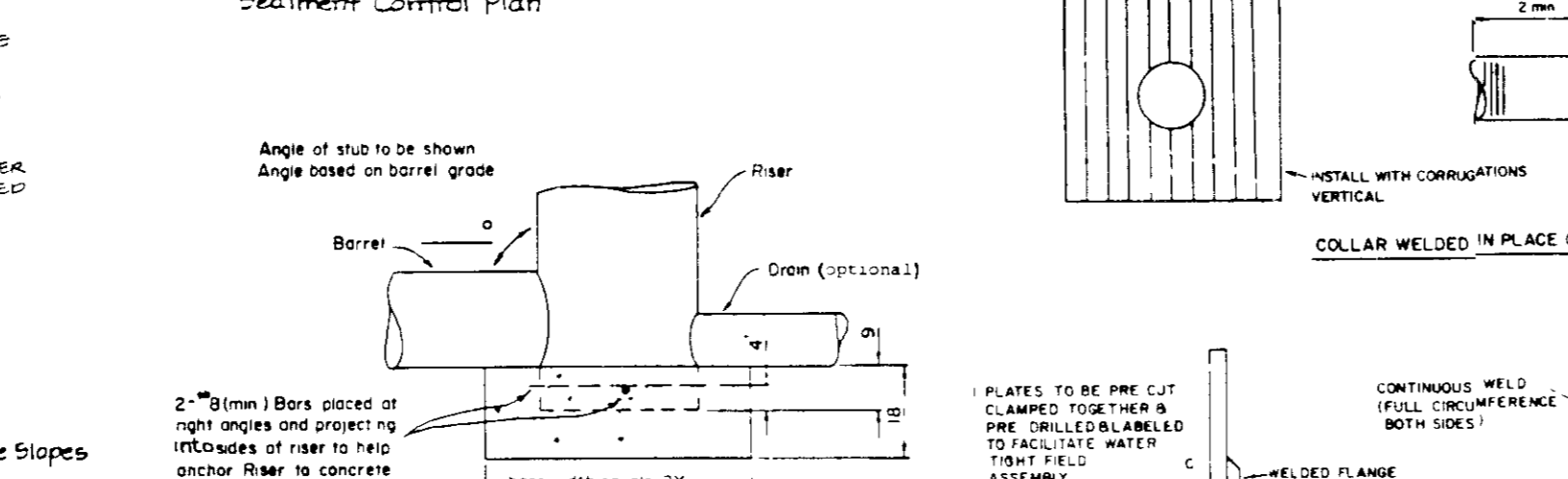
TEMPORARY SEEDING NOTES

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

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

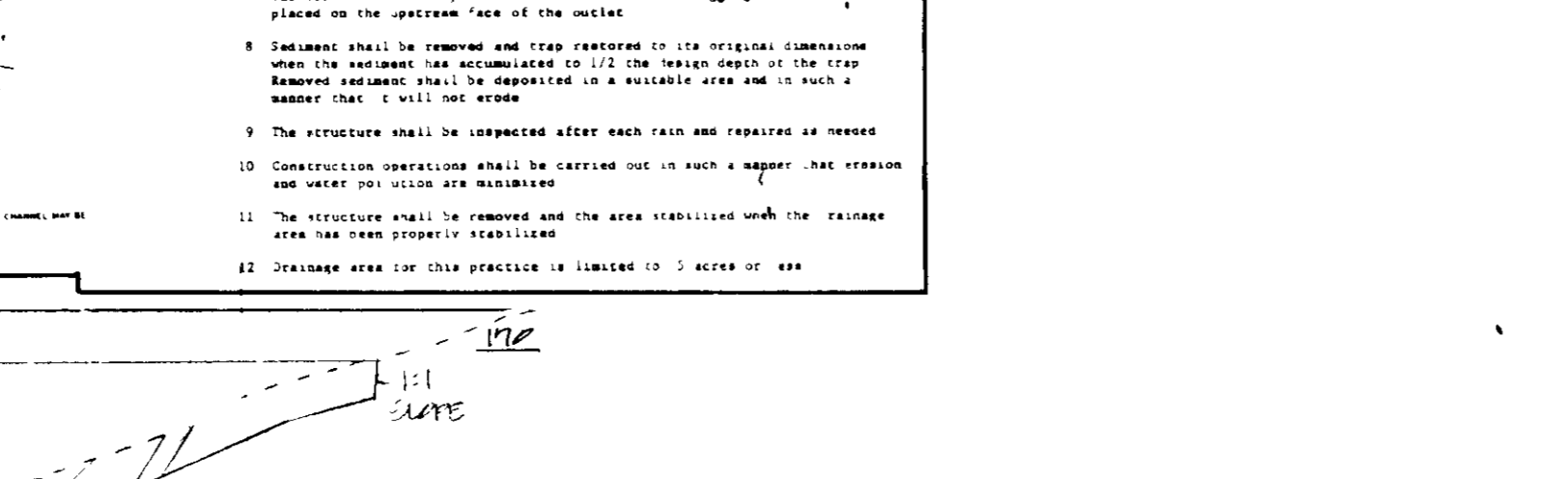
Seeding: For periods March 1 thru April 30 and from August 15 thru Nov. 15, apply 1/2 ton (500 lbs) per acre of annual ryegrass (2 lbs/1000 sq ft) for the period May 1 thru August 14, seed with 1/2 ton (500 lbs) of seeding lovagegrass (1/2 lb/1000 sq ft) for the period November 16 thru February 28, project site by applying 2 tons per acre of well-rotted straw mulch and seed as soon as possible in the spring, or use seed.

Mulching: Apply 1/2 to 2 tons per acre (1/2 to 2 lbs/1000 sq ft) of unrotted straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 lbs/gal per acre (1/2 lb/1000 sq ft) of mulch applied on flat areas. On slopes 8 ft or higher use 2 lbs/gal per acre (1/2 lb/1000 sq ft) for anchoring.



CONSTRUCTION SPECIFICATIONS FOR THE STORM

- The area under embankment shall be cleared, grubbed and stripped of topsoil to remove trees, vegetation, roots or other objectionable material. In order to facilitate clearing and restoration, the pool area (enclosed at the top of the pipe spillway) will be cleared of all brush, trees, and other objectionable materials.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as objectionable debris. Grassy material or other objectionable material. The embankment shall be compacted to prevent RSP seepage. This is to be done by compacting the embankment to a minimum of 95% relative compaction.
- All fill slopes shall be 2:1 or flatter, and slopes 1:1 or flatter.
- Elevation of the top of the fill area extending over top of trap must meet or exceed the height of embankment.
- Storage area provided shall be figured by computing the volume available above the outlet channel up to an elevation of one (1) foot above the level of crest.
- Filler cloth shall be placed over the section and side of the outlet channel in placement of some the section of outlet channel shall be placed on the upstream face of the outlet.
- Storage area shall be provided and top surface of the outlet channel shall be placed on the upstream face of the outlet.
- Structure shall be constructed and top surface of the outlet channel shall be placed on the upstream face of the outlet.
- The structure shall be inspected after each rain and repaired or replaced as needed per these specifications.
- Construction operations shall be carried out in such a manner that erosion and water pollution will be minimized. State and local laws shall be complied with concerning pollution abatement.
- The structure shall be removed and the area stabilized with the residue area has been properly stabilized.
- Drainage area for this structure is 1.00 acre of area.



CONSTRUCTION SPECIFICATIONS

Site Preparation: Areas under the embankment shall be cleared, grubbed, and stripped of topsoil to remove trees, vegetation, roots or other objectionable material. In order to facilitate clearing and restoration, the pool area (enclosed at the top of the pipe spillway) will be cleared of all brush, trees, and other objectionable materials.

Out-of-Trench: A cut-off trench shall be excavated along the centerline of earth fill embankments. The minimum depth shall be two feet. The cut-off trench shall extend back to the riser crest elevation. The minimum bottom width shall be four feet but wide enough to permit operation of excavation and connection equipment. The side slopes shall be no steeper than 1:1. Construction requirements shall be the same as for embankment. The trench shall be dewatered during the backfilling-connection operations.

Embankment: The fill material shall be taken from approved areas shown on the plans. It shall be clean mineral soil free of roots, woody vegetation, oversized stones, rocks, or other objectionable material. Relatively parent. Site materials such as sand or gravel (Unified Soil Classes GW, GP, SW & SP) shall not be placed in the embankment. Areas on which fill is to be placed shall be scarified prior to placement of fill. The fill material shall contain sufficient moisture so that it can be formed by hand into a ball without crumbling. If water can be squeezed out of the ball, it is too wet. The fill material shall be placed in layers of 6 inches. Each layer shall be compacted by hand or machine over the entire length of the fill. Compaction shall be obtained by raking and hauling the construction equipment over the fill so that the entire surface of each layer of the fill is traversed by at least one wheel or tread track of the equipment or by the use of a compactor. The embankment shall be constructed to an elevation 10 percent higher than the design height to allow for settlement.

Pipe Spillways: The riser shall be securely attached to the barrel or barrel stub by welding the four circumferences making a watertight connection. The barrel stub must be attached to the riser at the same point (angle) of the barrel as the riser conduit. The connection between the riser and the riser base shall be watertight. All connections between barrel sections must be achieved by approved watertight band assemblies. (See page 18 for details.) The barrel and riser shall be placed on a firm, smooth foundation of approved soil. Previous materials such as sand, gravel, or crushed stone shall not be used as backfill around the pipe or anti-seep collars. The fill material around the pipe spillway shall be placed in four 6-inch layers and compacted under and around the pipe to at least the same density as the adjacent embankment.

A minimum depth of two feet of hand compacted backfill shall be placed over the pipe spillway before dewatering it with construction equipment. The fill material shall be placed in layers of 6 inches. Each layer shall be compacted by hand or machine over the entire length of the fill. Compaction shall be obtained by raking and hauling the construction equipment over the fill so that the entire surface of each layer of the fill is traversed by at least one wheel or tread track of the equipment or by the use of a compactor. The embankment shall be constructed to an elevation 10 percent higher than the design height to allow for settlement.

Emergency Spillway: The emergency spillway shall be installed in undisturbed ground. The spillway shall be designed to handle the design flood plus an additional 10 percent. The spillway shall be constructed to a tolerance of 0.01 feet.

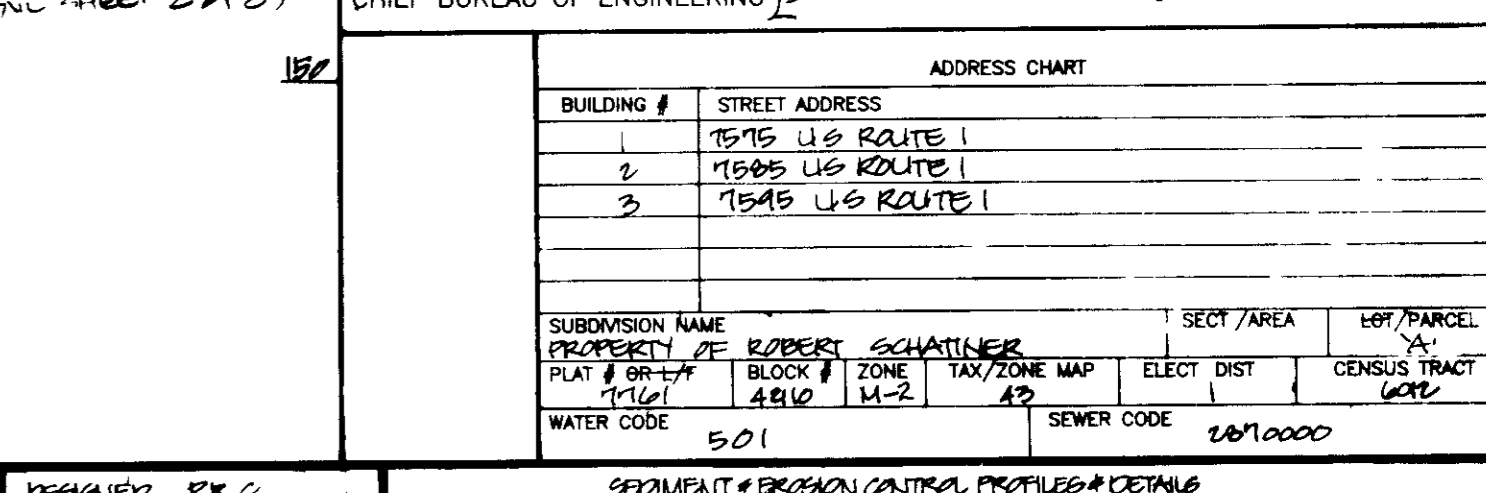
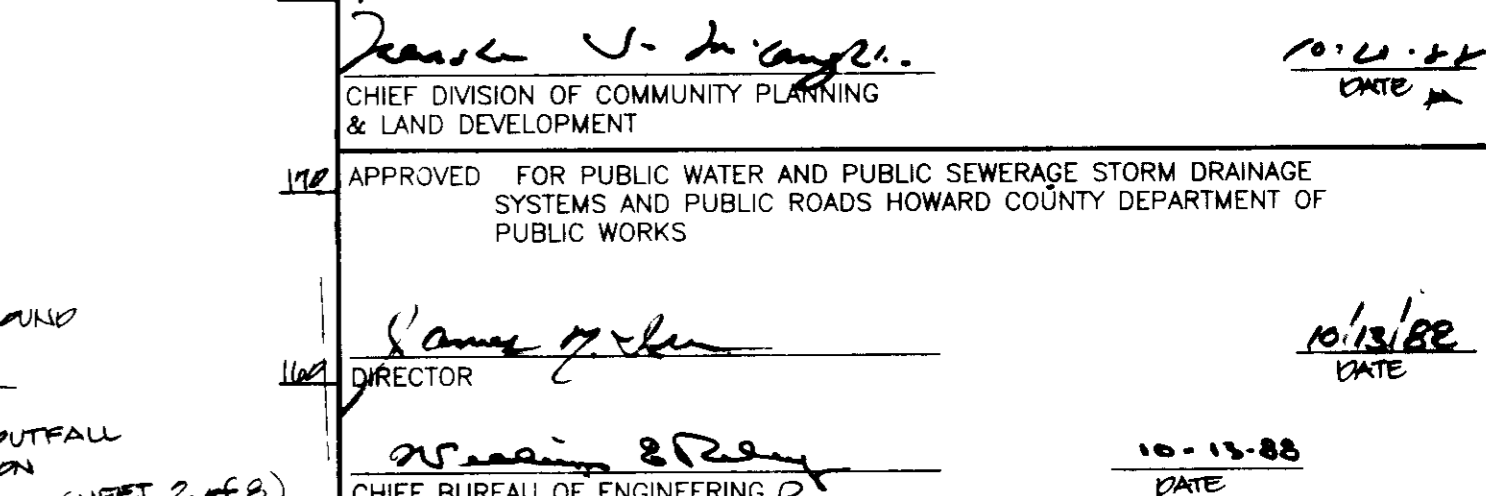
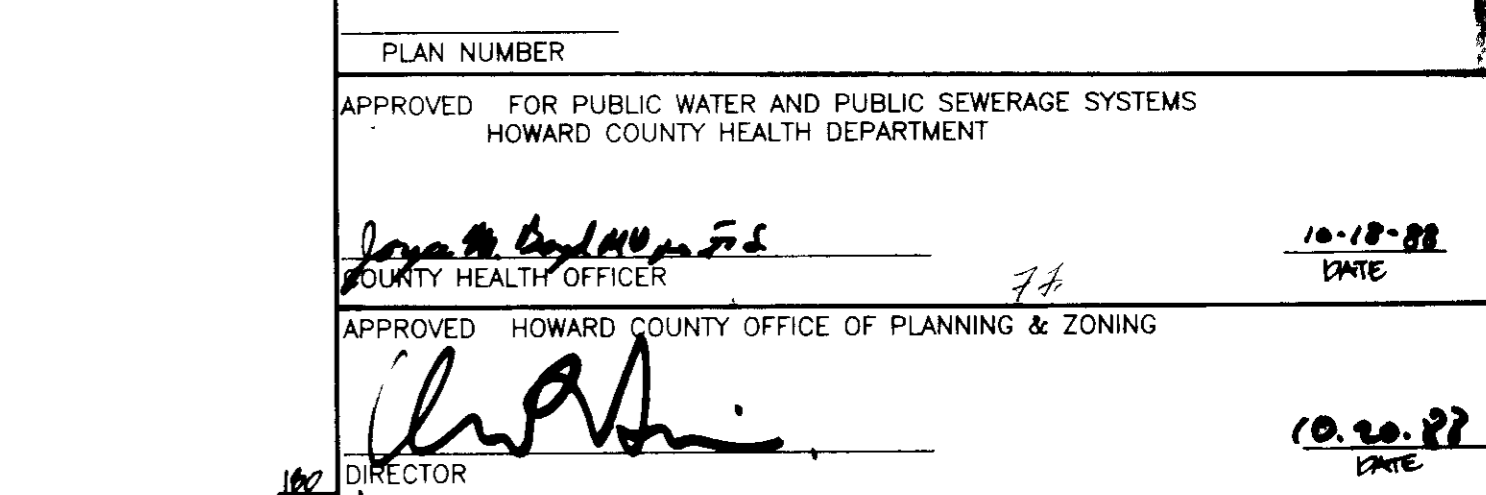
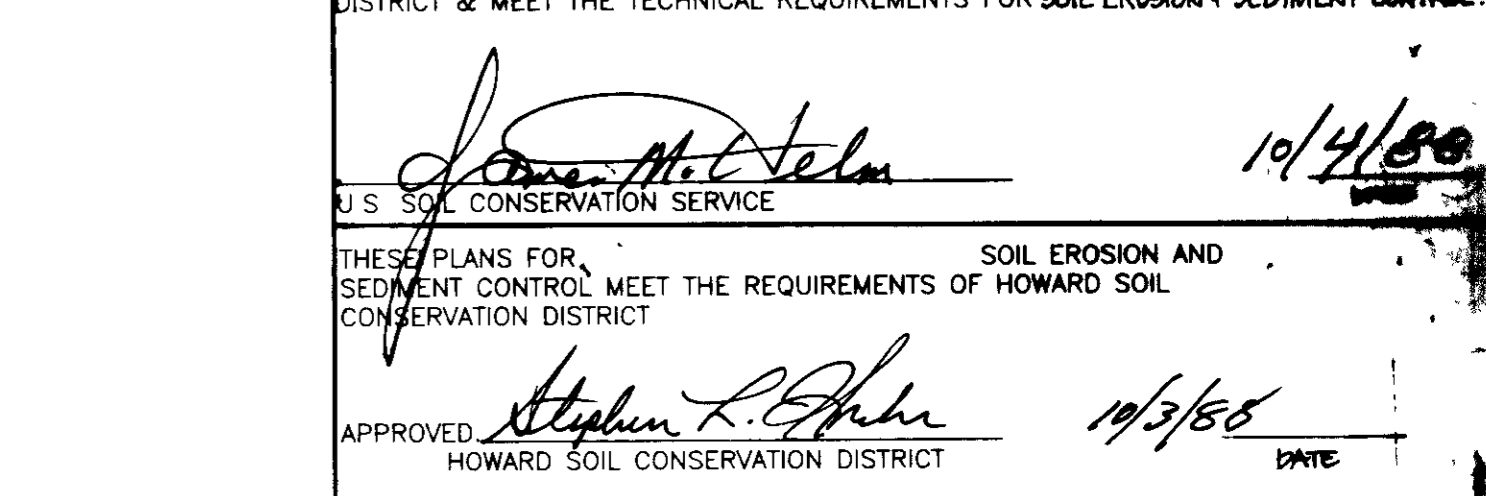
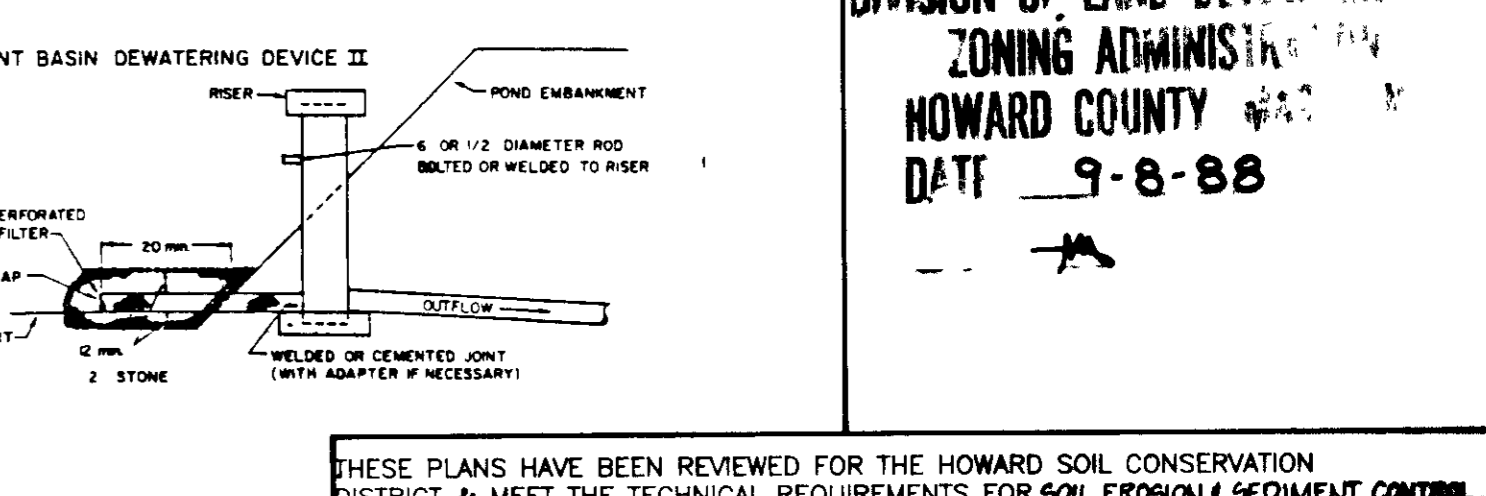
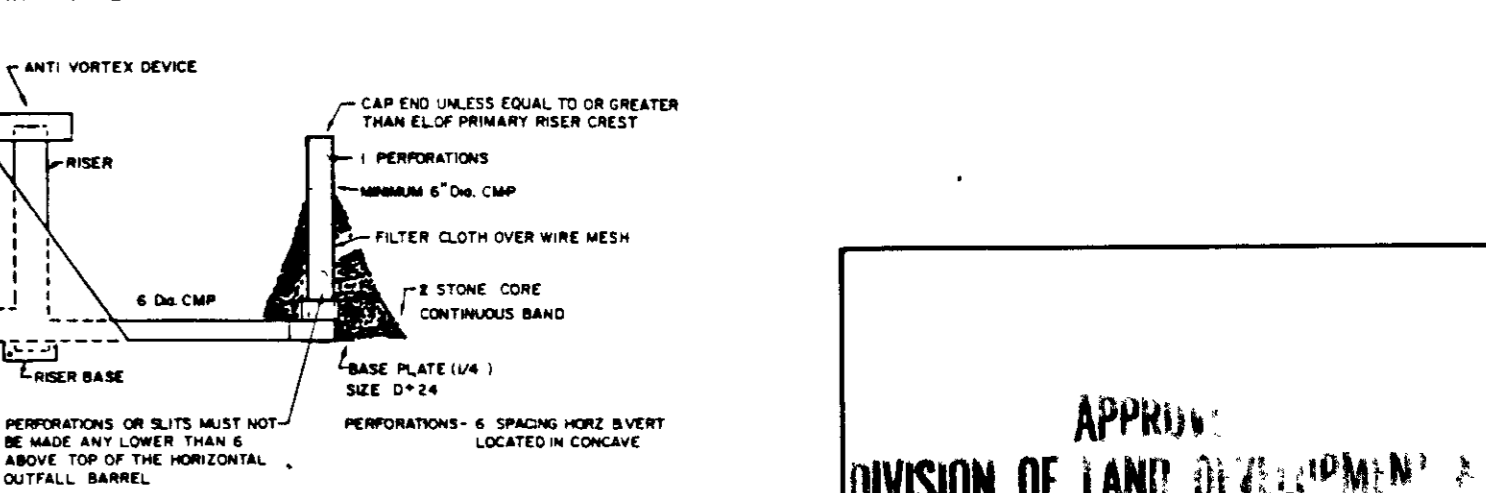
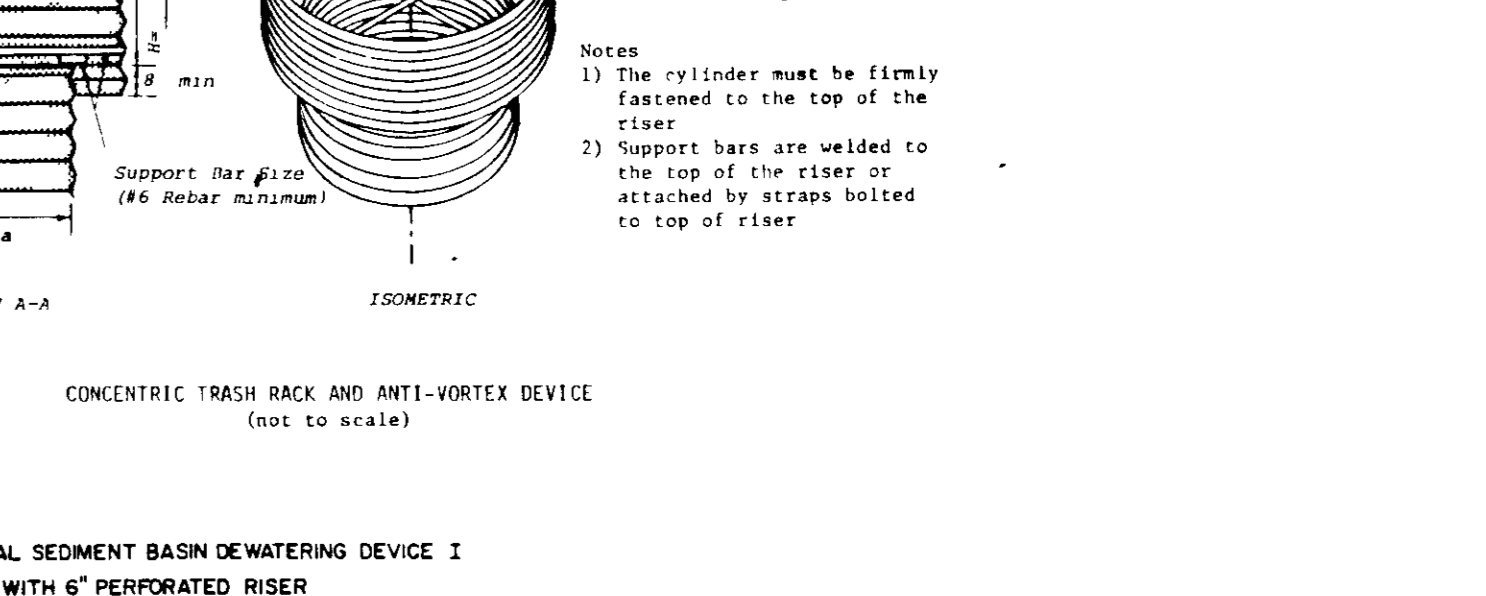
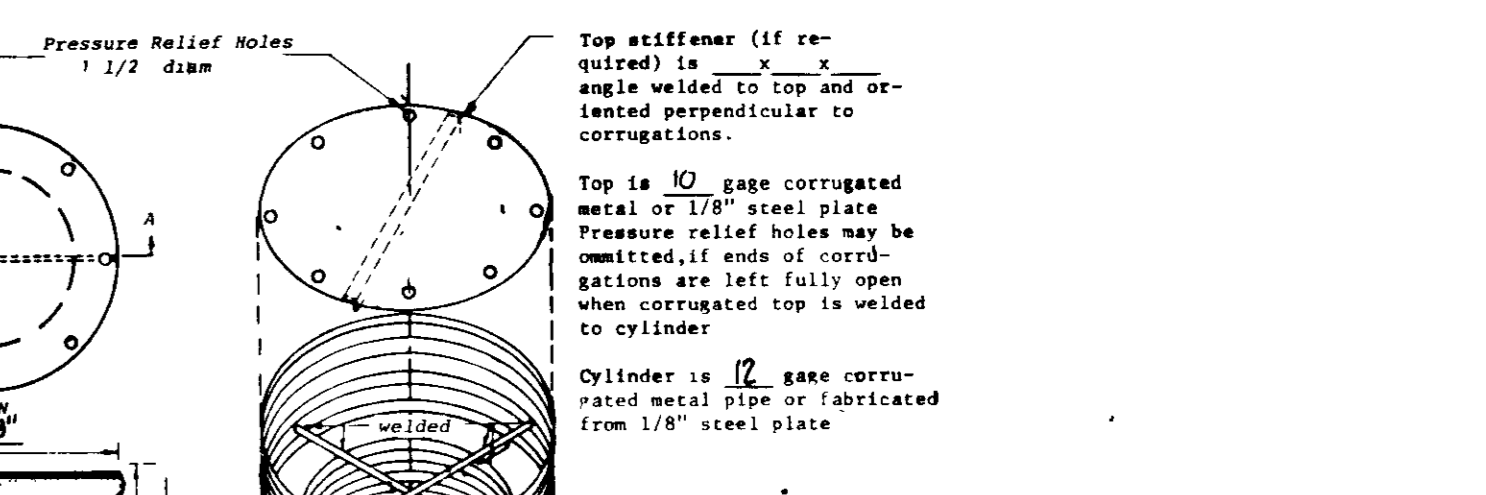
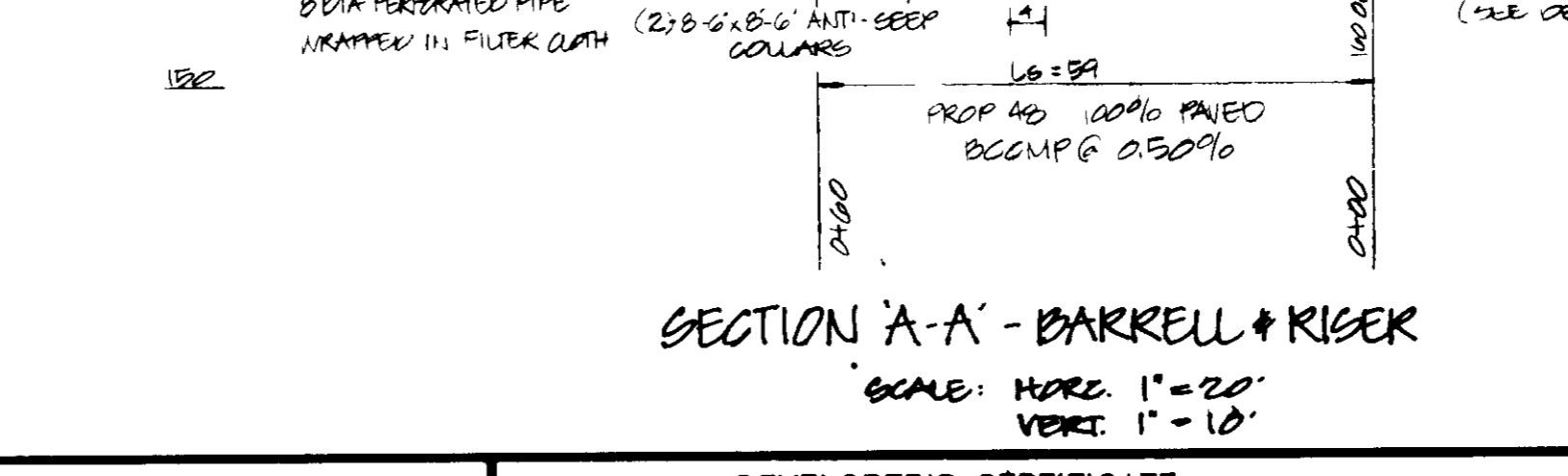
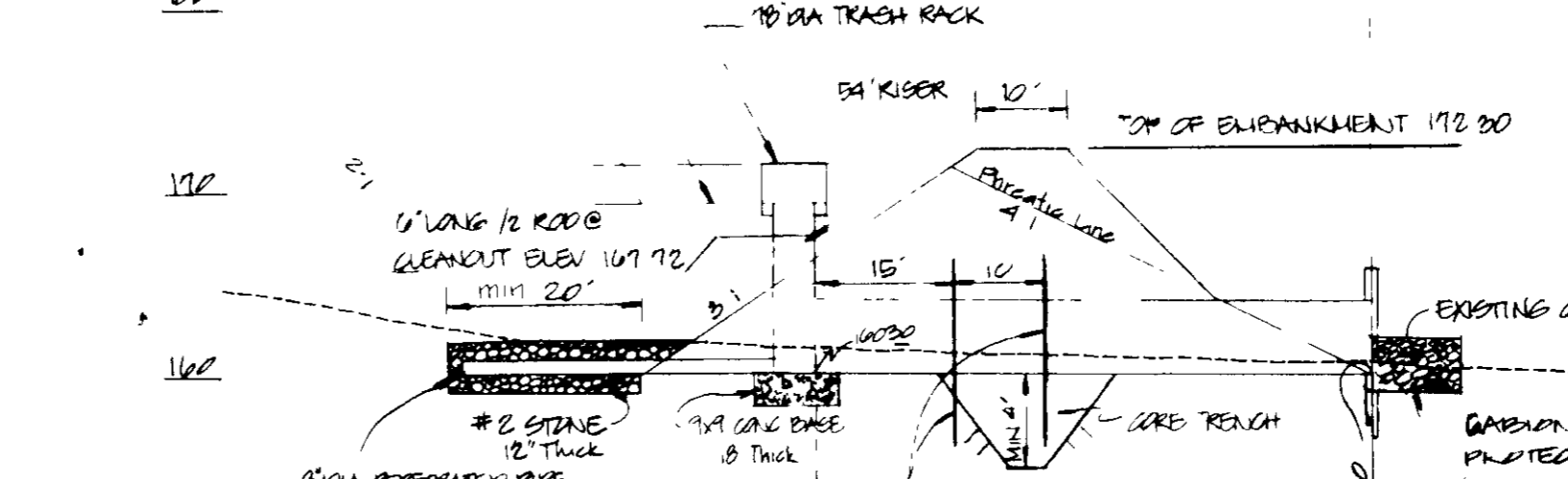
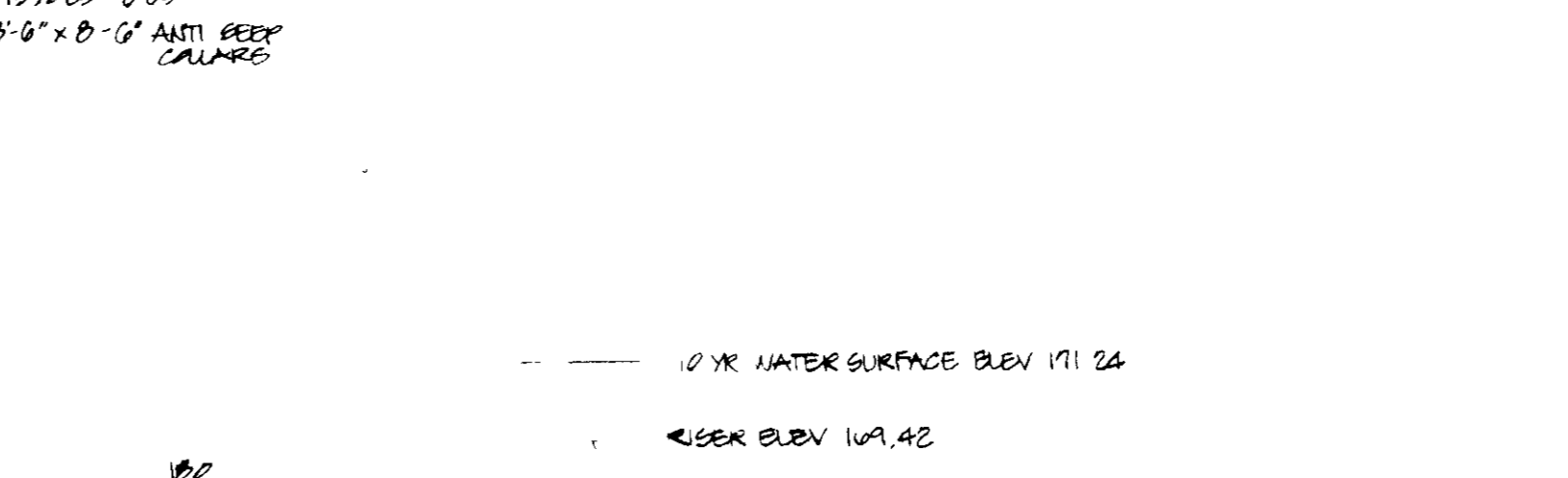
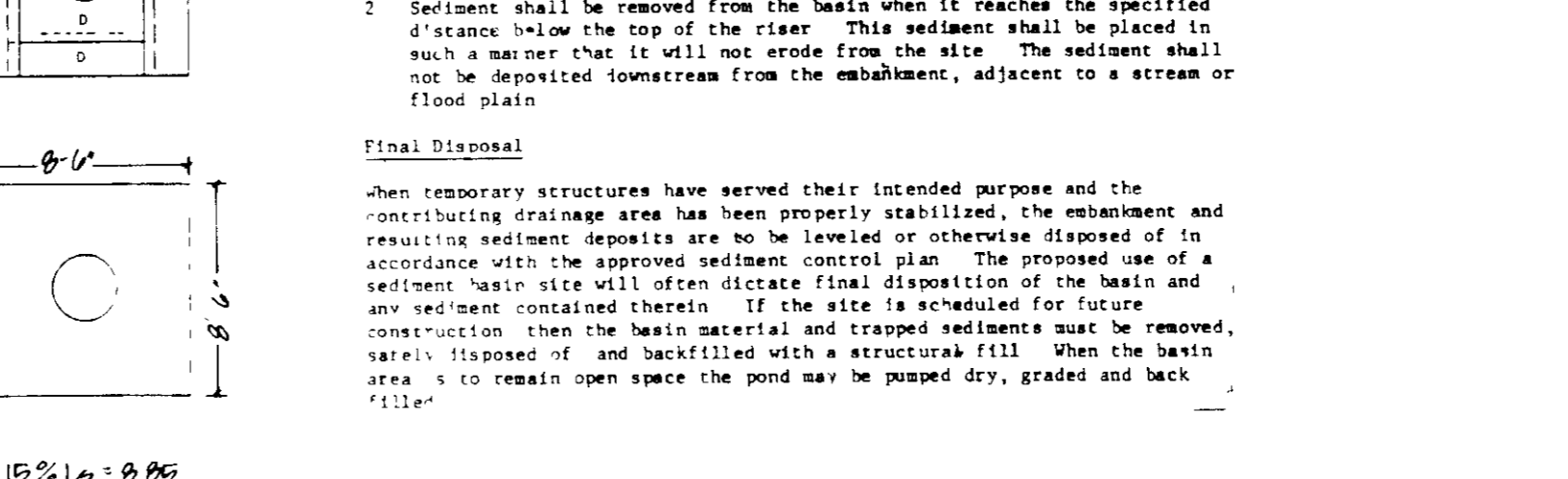
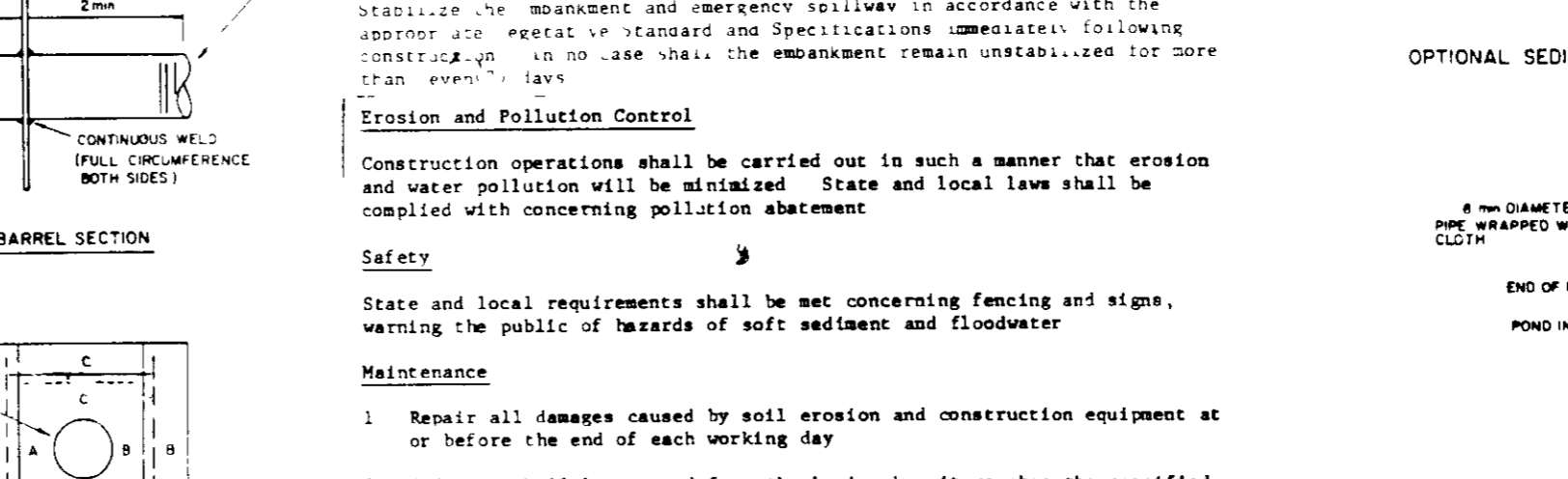
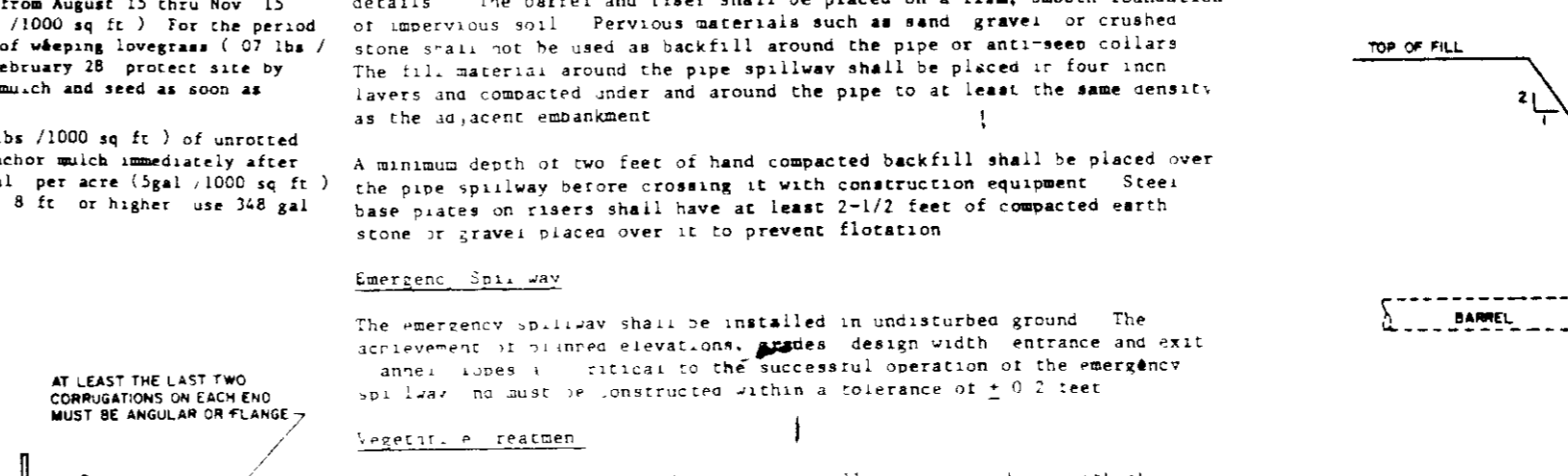
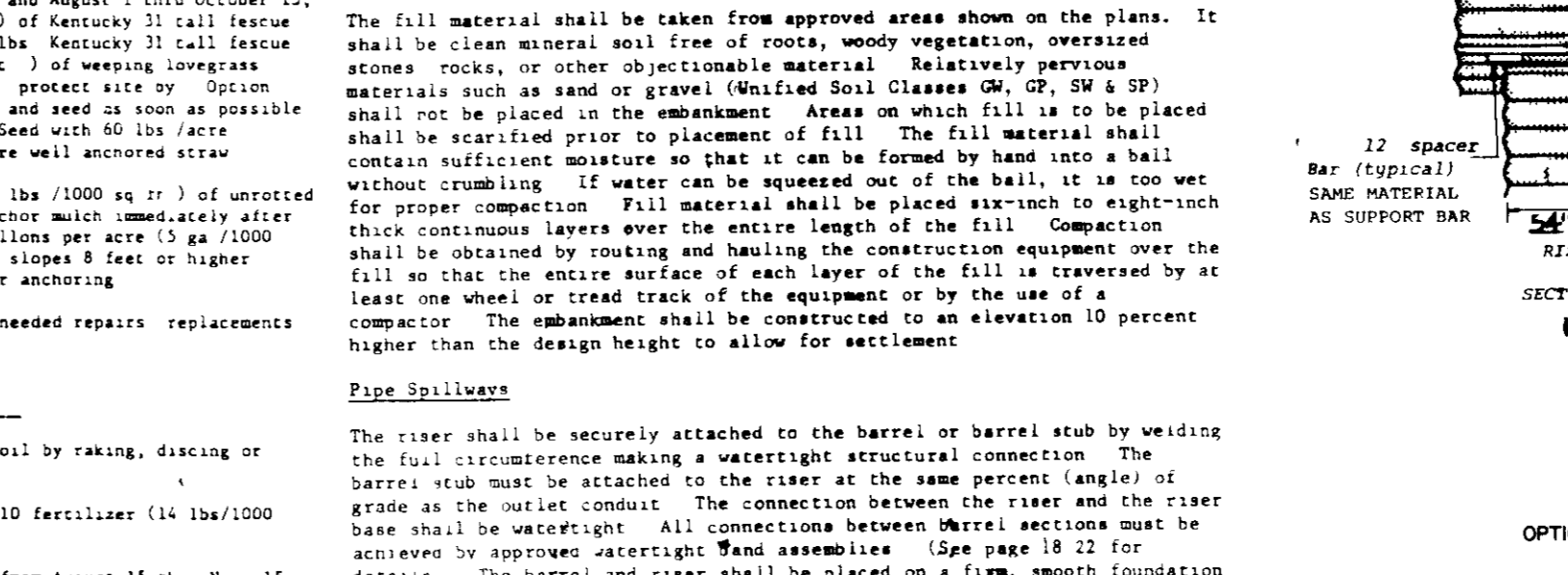
Vegetation: Stabilize the embankment and emergency spillway in accordance with the approved site plan and specifications immediately following construction. An 18 inch deep mulch shall be placed on a firm, smooth foundation of approved soil. Previous materials such as sand, gravel, or crushed stone shall not be used as backfill around the pipe or anti-seep collars. The fill material around the pipe spillway shall be placed in four 6-inch layers and compacted under and around the pipe to at least the same density as the adjacent embankment.

Erosion and Pollution Control: Construction operations shall be carried out in such a manner that erosion and water pollution will be minimized. State and local laws shall be complied with concerning pollution abatement.

Safety: State and local requirements shall be met concerning fencing and signs, warning the public of hazards of soft sediment and floodwater.

Maintenance: 1. Repair all damages caused by soil erosion and construction equipment at or before the end of each working day.
2. Sediment shall be removed from the basin when it reaches the specified distance below the top of the riser. This sediment shall be placed in such a manner that it will not erode from the site. The sediment shall not be deposited downstream from the embankment, adjacent to a stream or flood plain.

Final Disposal: When temporary structures have served their intended purpose and the contributing drainage area has been properly stabilized, the embankment and resulting sediment control structures shall be removed or otherwise disposed of in accordance with the approved sediment control plan. The proposed use of a sediment basin will often dictate final disposition of the basin and any sediment contained therein. If the site is not scheduled for future construction then the basin material and trapped sediments must be removed, stored in a pile and backfilled with a structural fill. When the basin area is to remain open space the pond may be pushed dry, graded and back filled.



APPROVED
DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATOR
HOWARD COUNTY
DATE 9-8-88

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION & SEDIMENT CONTROL.

APPROVED: *John M. Selan* 10/4/88
U.S. SOIL CONSERVATION SERVICE

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *Stephen R. Fisher* 10/3/88
HOWARD SOIL CONSERVATION DISTRICT

PLAN NUMBER

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

APPROVED: *John A. England, Jr.* 10-18-88
COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

APPROVED: *John P. Selan* 10-20-88
DIRECTOR

APPROVED: *James J. Langley* 10-21-88
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

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

APPROVED: *James J. Langley* 10-18-88
DIRECTOR

APPROVED: *James J. Langley* 10-18-88
CHIEF BUREAU OF ENGINEERING

ADDRESS CHART	
BUILDING #	STREET ADDRESS
1	1515 U.S. ROUTE 1
2	1505 U.S. ROUTE 1
3	1545 U.S. ROUTE 1

SUBDIVISION NAME		SECT./AREA	LEFT/PARCEL #
PROPERTY OF	ROBERT SCHATNER		
PLAT #	11711	BLOCK #	1
ZONE	AR10	TAX MAP	11-2
ELECT. DIST.	A2	CENSUS TRACT	600
WATER CODE	501	SEWER CODE	10710000

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND 21284
(301) 825-8120

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 SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER: TAPOBRATA CHAKRABARTY
REG. NO. _____ DATE _____

DEVELOPER'S CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL SHALL BE ADVISED OF THE REQUIREMENTS OF THESE PLANS. I HAVE ATTENDED AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZED ONE OR MORE INSPECTORS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY TO INSURE THAT THE REQUIREMENTS OF THESE PLANS ARE BEING MAINTAINED THROUGHOUT THE CONSTRUCTION DISTRICT.

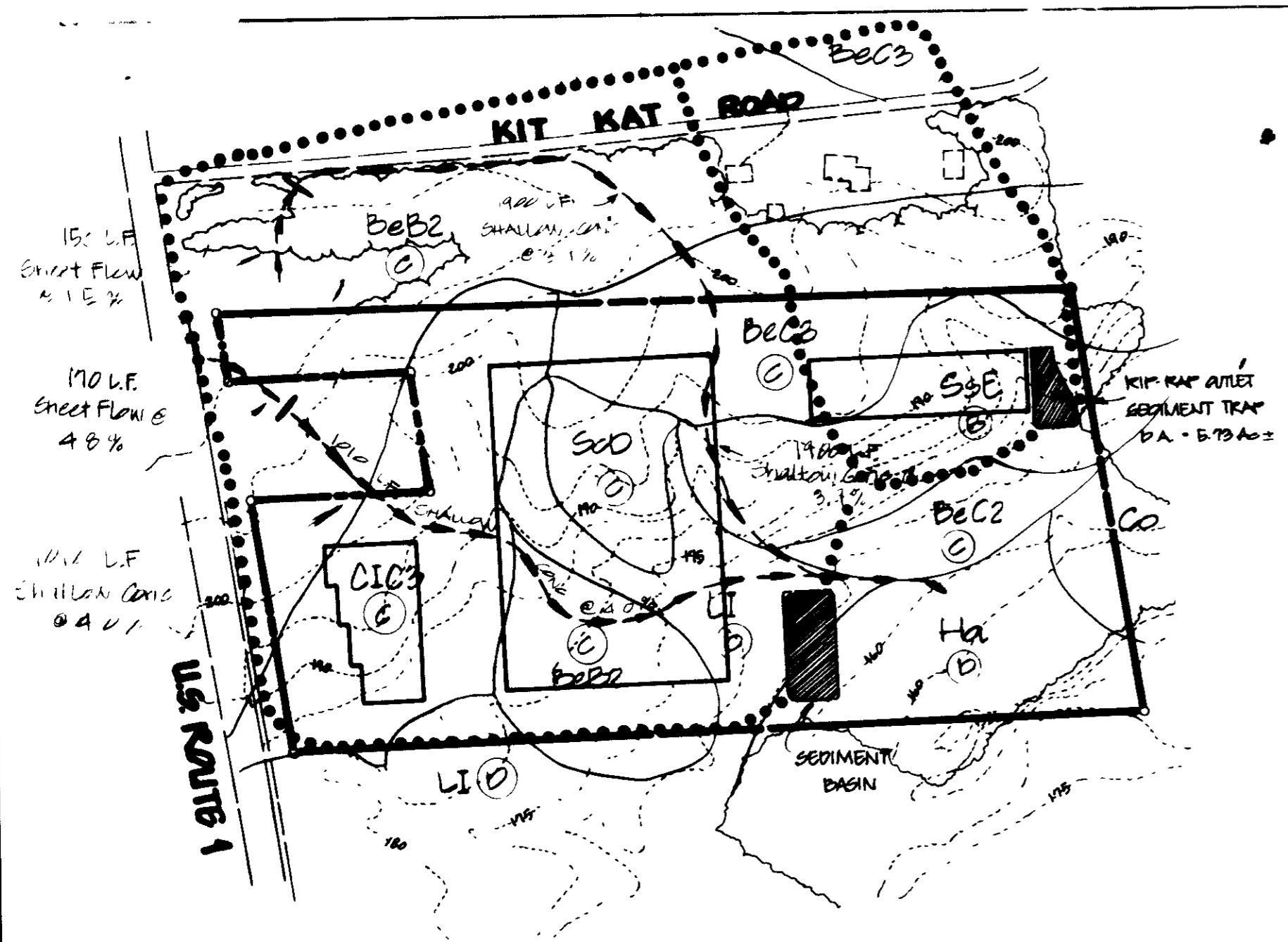
DEVELOPER: LARRY M. MERRITT
MANAGING PARTNER

THE SCHATNER PROPERTY
PARCEL #1
HOWARD COUNTY, MARYLAND
PARCEL 8345
SCALE: AS SHOWN
PN 1000

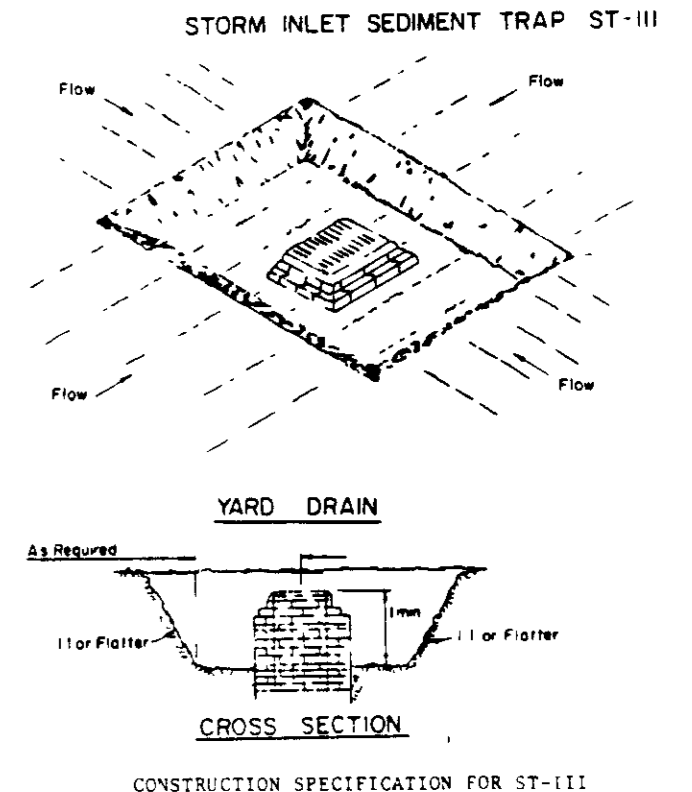
ELECTION DISTRICT NUMBER: 1
MAP # 43
DATE: JULY 11, 1988
SHEET 6 OF 6

PREPARED BY: P.R.C.
CHECKED BY: P.R.C.
REVISIONS:

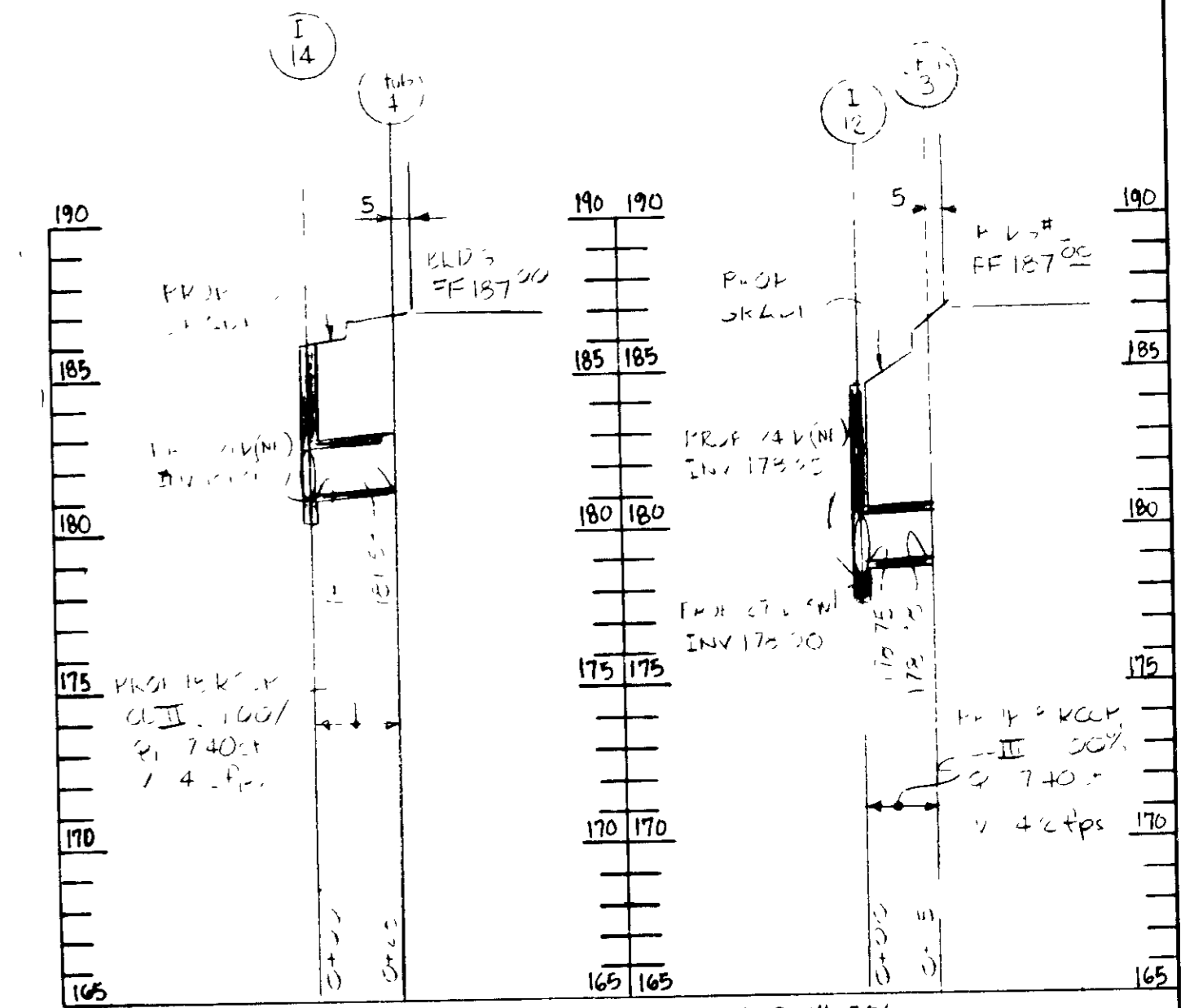
5DP-84-04



DRAINAGE AREA TO SEDIMENT BASIN
SCALE 1"=200'

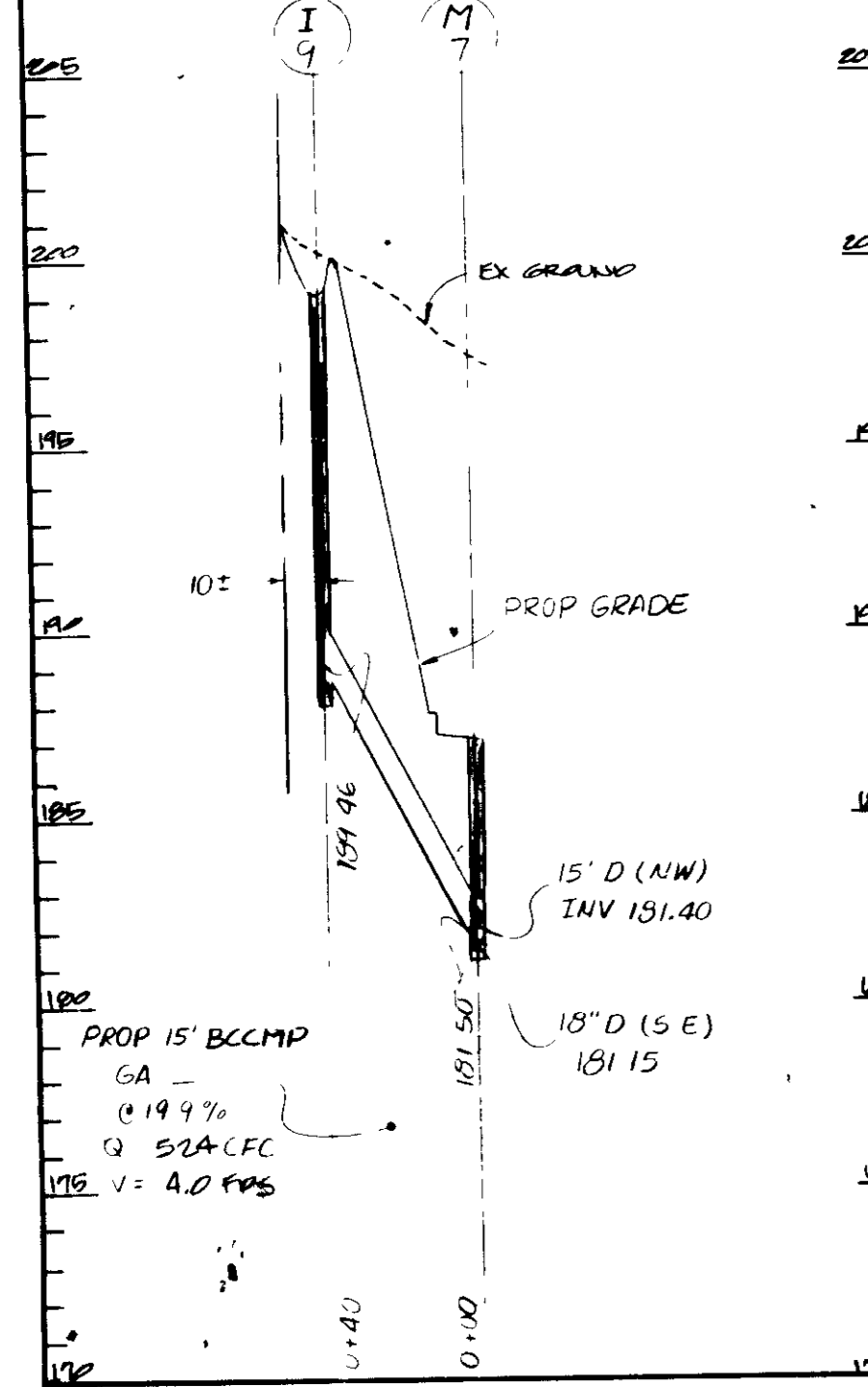


- Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
 - The volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
 - The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized.
 - All cut slopes shall be 1:1 or flatter.
- Maximum Drainage Area 3 Acres

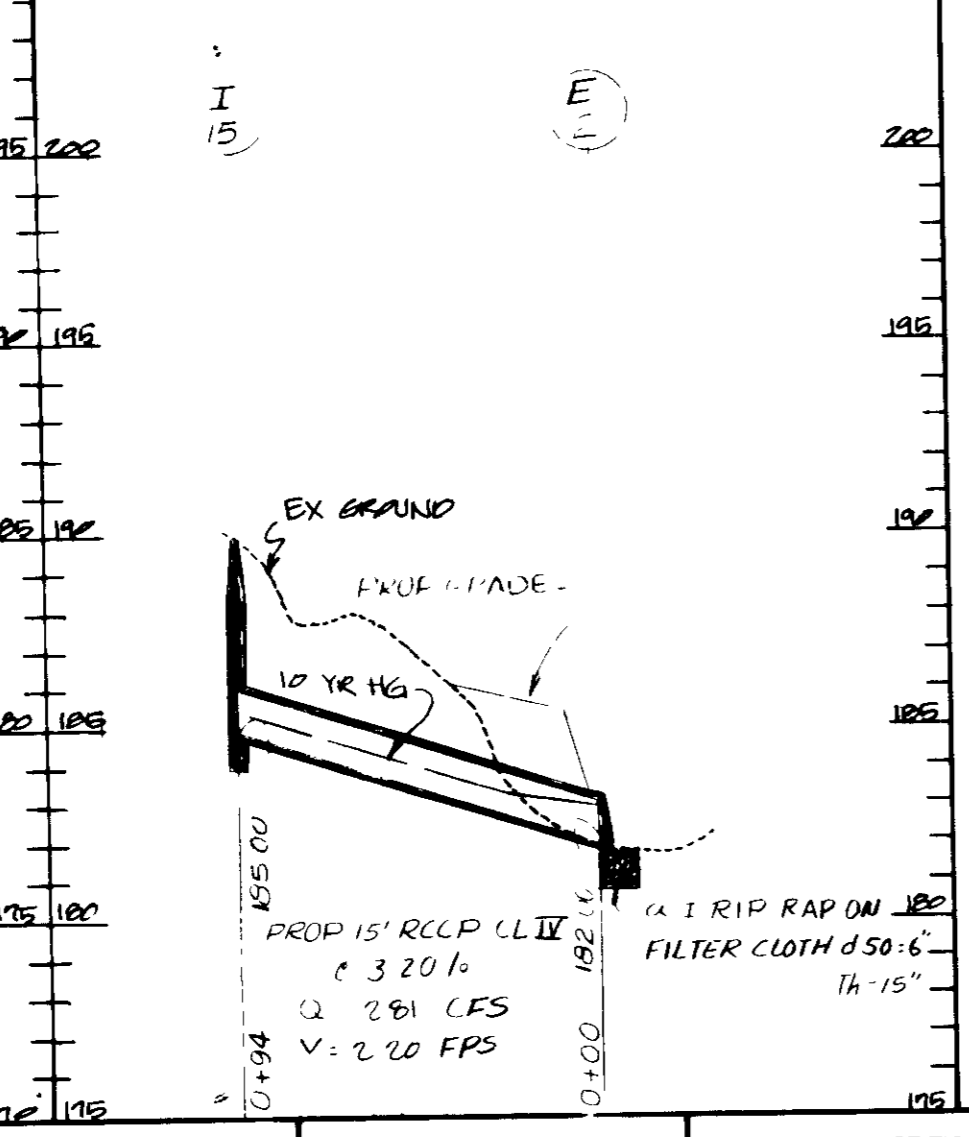


STORM DRAIN PROFILE HOR 1"=50' VERT 1"=5'

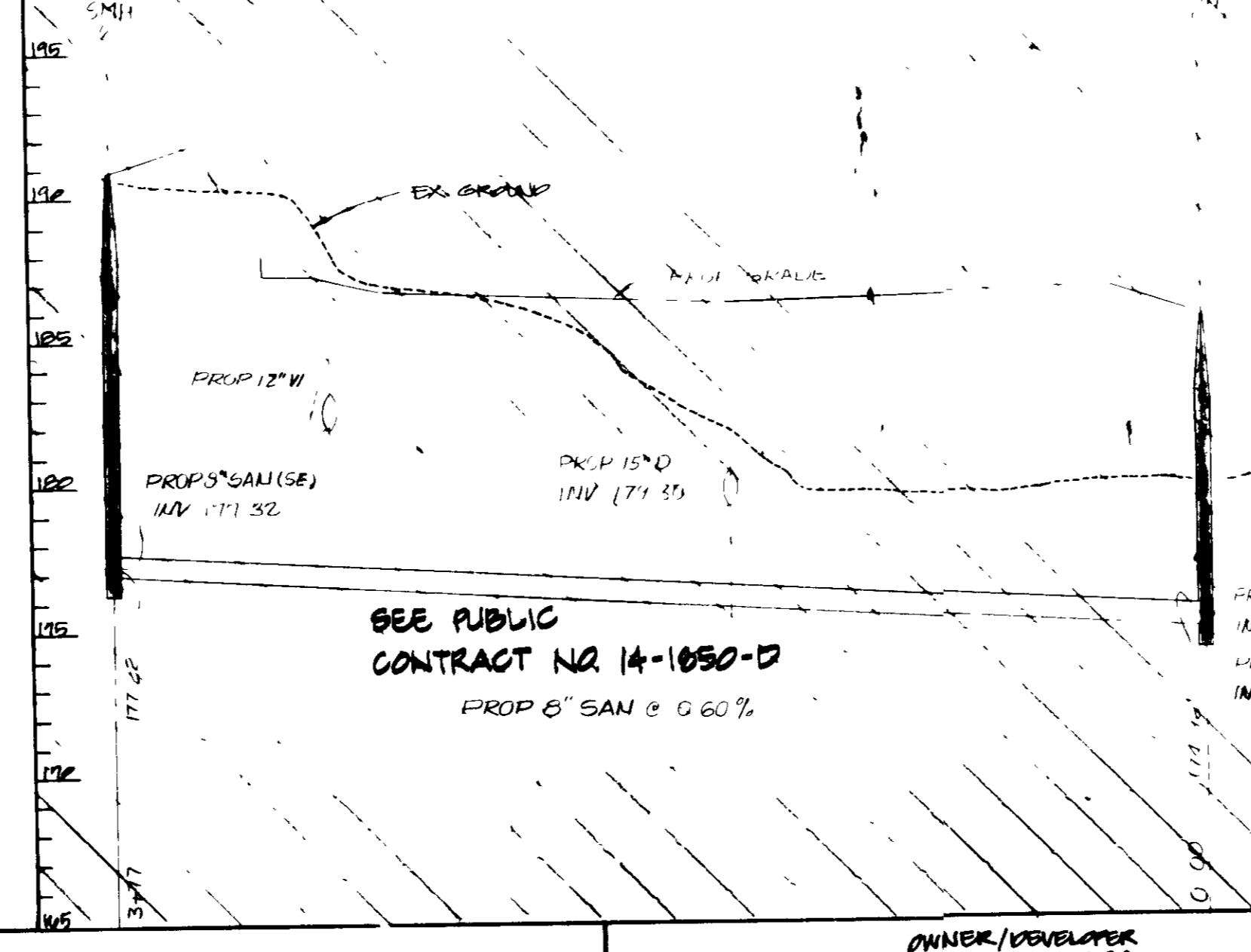
STORM DRAIN PROFILE SCALE HORIZ 1"=50' VERT 1"=5'



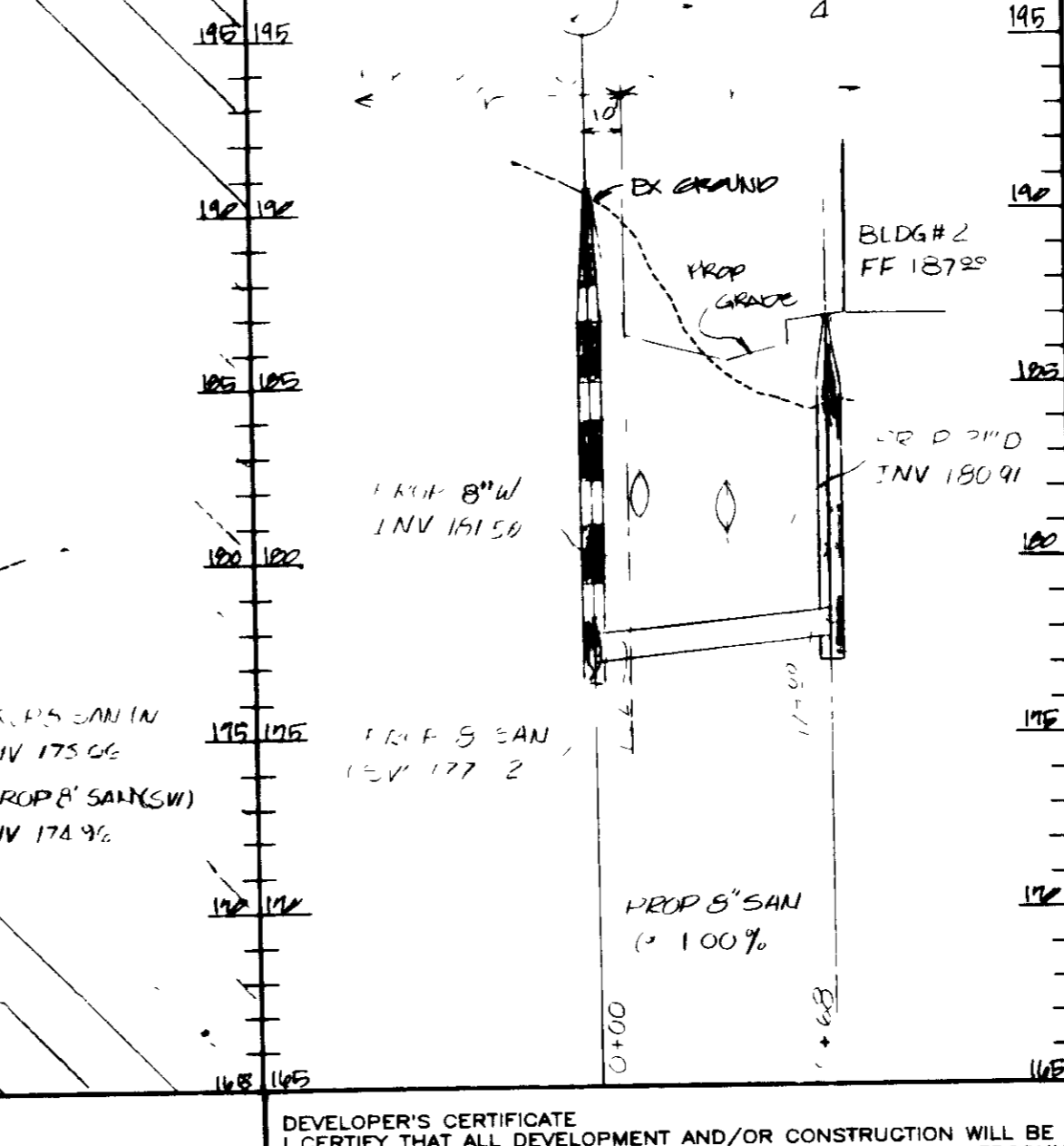
STORM DRAIN PROFILE SCALE HORIZ 1"=50' VERT 1"=5'



GANITARY SEWER PROFILE SCALE HORIZ 1"=50' VERT 1"=5'



GANITARY SEWER PROFILE SCALE HORIZ 1"=50' VERT 1"=5'



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

APPROVED: *[Signature]* DATE 10/4/88
HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE: *[Signature]* DATE 10/4/88
UNITED STATES SOIL CONSERVATION SERVICE

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

[Signature] DATE 10-12-88
COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

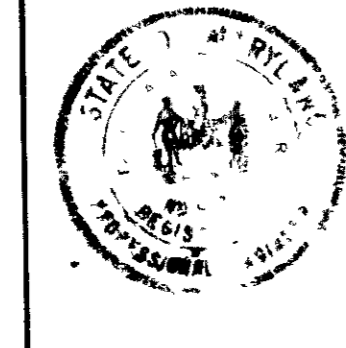
DIRECTOR: *[Signature]* DATE 10-20-88
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

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

DIRECTOR: *[Signature]* DATE 10-13-88
CHIEF BUREAU OF ENGINEERING



GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND 21204
(301) 825-8120



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 SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT

ENGINEER: YADDORATA CHHABRABARTI
REG. NO. _____ DATE _____

OWNER/DEVELOPER
MSR ASSOCIATES
% **MERRITT**
2040 VARD BALTIMORE DRIVE
BALTIMORE, MARYLAND 21201
(301) 240-2600

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 PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED 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. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT

DEVELOPER: *[Signature]* DATE 9-2-88
LEROY M. MERRITT, MANAGING PARTNER

DESIGNED
DRAWN
CHECKED

REVISIONS

SEWERAGE & DRAINAGE CAPITAL PROJECTS & DETAILS
AND MISCELLANEOUS DETAILS - EX.

THE SCHATNER PROPERTY -
PARCEL 'A'

HOWARD COUNTY, MARYLAND ELECTION DISTRICT #1
PARCEL 5556 MAP #43
OWNER: AS SHOWN DATE: JULY 11, 1988
P.N. 0000 SHEET 7 OF 8

SDP-89-09

