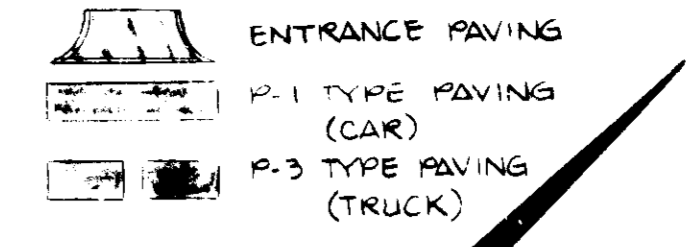


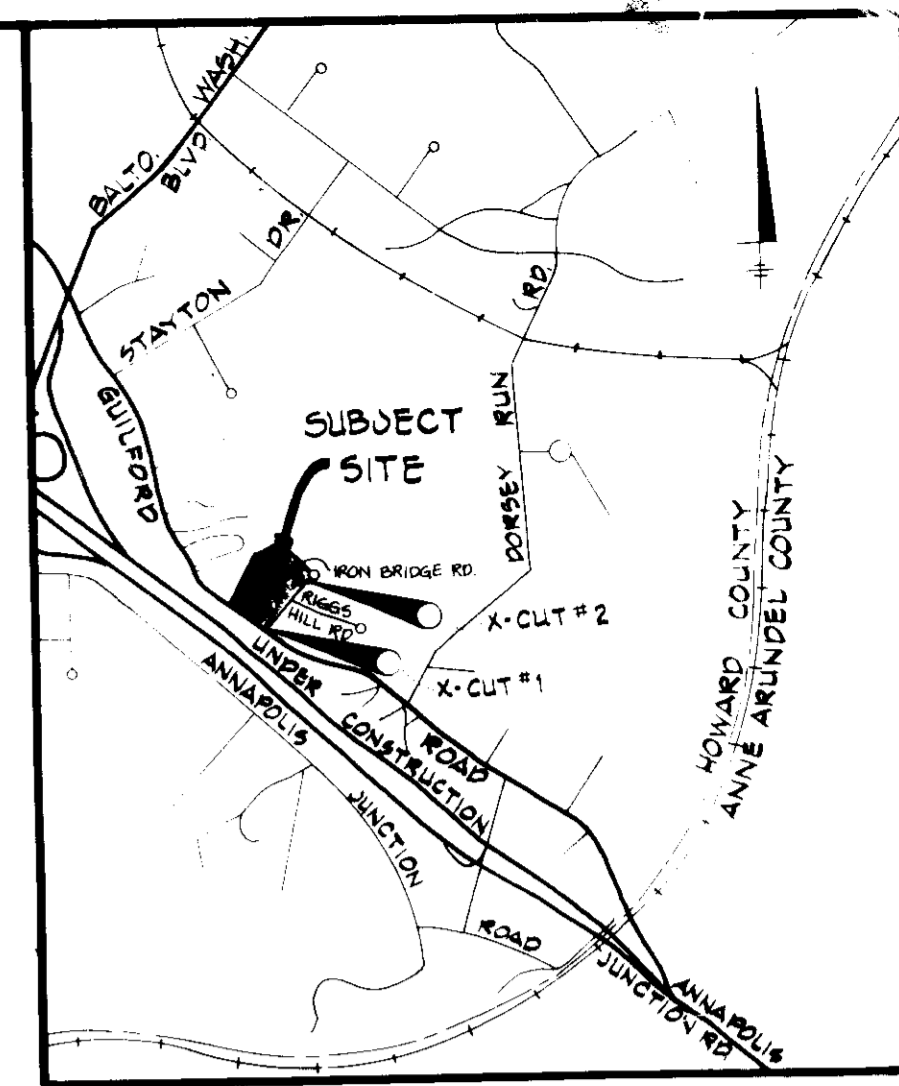
M-2 ZONING
CORRIDOR NORTH
PARCEL B
FB4-179
COLUMBIA INDUSTRIAL DEVELOPMENT
CORPORATION
678/749
709/421

LEGEND

- EXISTING GROUND
- PROPOSED GRADE
- EX. CURB AND GUTTER
- PROP. CURB AND GUTTER
- NO. OF PARKING SPACES
- EX. SANITARY SEWER
- PROP. SANITARY SEWER
- EX. STORM DRAIN
- PROP. STORM DRAIN
- PROP. GRADE (BY OTHERS)
- EX. WATER
- HOOP PARKING
- HICOP RAMP TYPE
(SEE DETAILS SHT. 4 OF 5)



BENCH MARKS:
 X-CUT #1: ELEV. 191.22 N 473,993.70
 E 855,870.99
 X-CUT IN CONC. CURB N.W. SIDE
 IRON BRIDGE RD 65' FROM MD.
 RTE. 32
 ELEV. 189.75 N 474,413.70
 E 856,235.55
 X-CUT IN CONC. CURB N.W. SIDE
 IRON BRIDGE ROAD 820' FROM
 MD. RTE. 32



VICINITY MAP
SCALE: 1" = 2,000'

SITE DATA

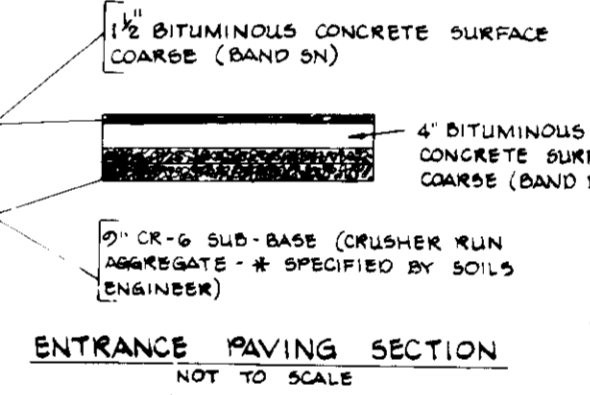
TOTAL AREA OF SITE: 8.734 AC ±
 EXISTING ZONING: M-2
 TOTAL FLOOR AREA: 132,000 SQ. FT.
 EXISTING USE: VACANT
 PROPOSED USE: OFFICE/WAREHOUSE
 PARKING REQUIRED: 144 SPACES
 PARKING PROVIDED: 157 SPACES
 (INCLUDES 8 HOOP SPACES)
 FLOOR AREA RATIO: 3.030 / 8.734 AC = 35%
 PROPERTY REFERENCE: 709/421
 % OPEN SPACE: 2.70 AC ± / 8.734 AC ± = 31%
 % BUILDING COVERAGE: 3.030 AC ± / 8.734 AC ± = 35%
 AREA TO BE DISTURBED: 2.25 AC ±
 AREA TO BE VEGETATIVELY STABILIZED: 2.10 AC ±
 BUILDING COVERAGE WITH PAVING: 3.026 AC ± / 8.734 AC ± = 34%
 AREA OF VEGETATION TO BE MAINTAINED: 2.10 AC ±
 % OF VEGETATION TO BE MAINTAINED: 24%

PARKING TABULATION

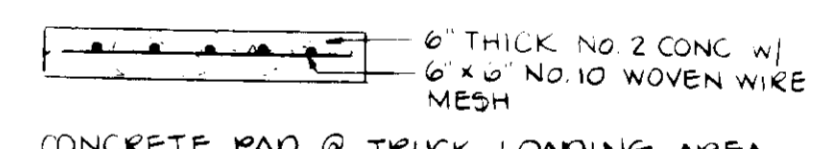
PARKING REQUIRED:
 BUILDING 'A': OFFICE 13,200 SQ. FT. - 66 EMPLOYEES
 @ 7.5 SP. / EMP = 49 SPACES
 WAREHOUSE: 52,800 SQ. FT. - 52 EMPLOYEES
 @ 1.0 SP. / EMP = 52 SPACES
 VISITOR: 5 SPACES
 TOTAL PARKING SPACES REQ'D FOR BLDG. 'A': 77
 BUILDING 'B': OFFICE 13,200 SQ. FT. - 66 EMPLOYEES
 @ 7.5 SP. / EMP = 49 SPACES
 WAREHOUSE: 52,800 SQ. FT. - 52 EMPLOYEES
 @ 1.0 SP. / EMP = 52 SPACES
 VISITOR: 5 SPACES
 TOTAL PARKING SPACES REQ'D FOR BLDG. 'B': 77
 TOTAL PARKING SPACES REQ'D FOR SITE: 144

GENERAL NOTES

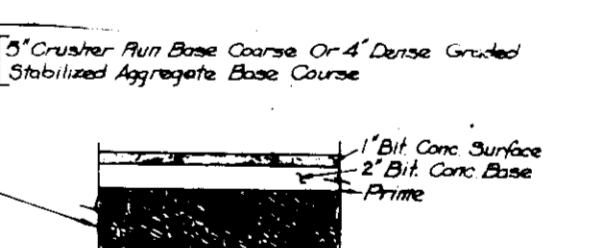
1. Maximum building height = 50'.
2. All areas not being paved or receiving building coverage shall be stabilized in accordance with the plans approved by the Howard Soil Conservation District.
3. Any damage to public right-of-way and/or adjacent properties shall be repaired immediately at the contractor's expense.
4. The contractor shall maintain at least a 2' level bench behind all curb 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 2:1 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 Dept. of Telephone Co. and the Gas and Electric Company five days prior to starting work shown on these plans by calling "Miss Utility". Call collect 3-599-0100.
9. For details of signs and signs for the handicapped see the Maryland Building Code for the Handicapped and Aspd and as shown herein.
10. The contractor shall maintain a minimum of 4' cover over all proposed water lines.
11. All signs 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 792-7272.
13. The contractor shall remove all existing parking, curb and gutter, etc. that may interfere with proposed construction.
14. All utilities installed shall receive full trench compaction.
15. All water main, sewer, gas, etc. shall be buttressed in accordance with Howard County Design requirements.



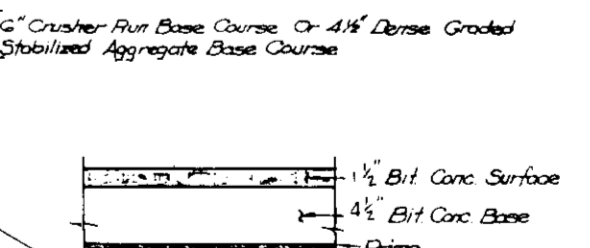
ENTRANCE PAVING SECTION
NOT TO SCALE



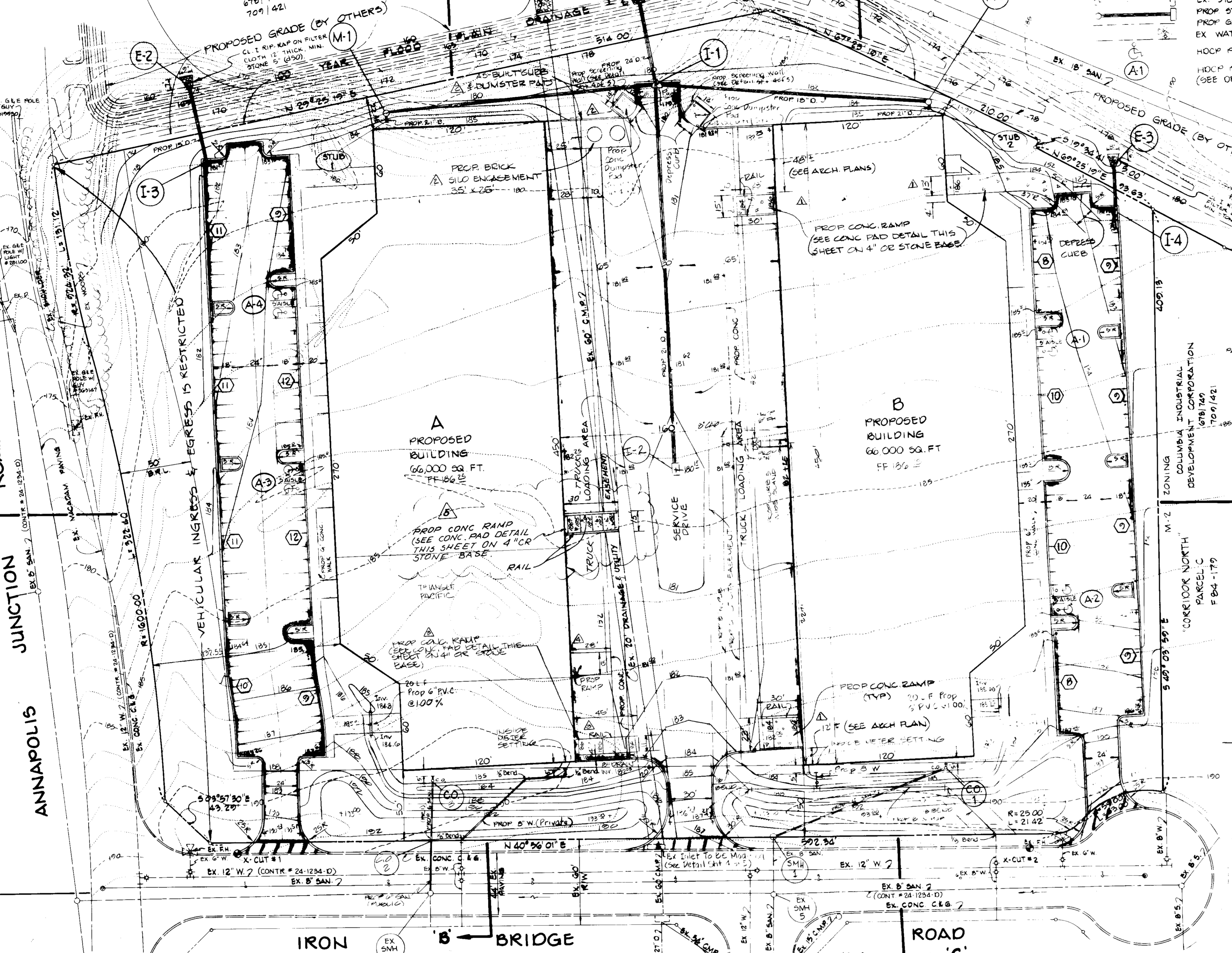
CONCRETE PAD @ TRUCK LOADING AREA
NO. 50216



P-1 PAVING SECTION
HOWARD COUNTY STD. DETAIL P-101
NOT TO SCALE
Shown Thus!



P-3 PAVING SECTION
HOWARD COUNTY STD. DETAIL P-301
NOT TO SCALE
Shown Thus!



PLAN
SCALE: 1" = 40'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 3-12-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 DIRECTOR: *[Signature]* DATE: 3-12-86
 CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 3-12-86
 CHIEF, BUREAU OF ENGINEERING

HOWARD SOIL CONSERVATION DISTRICT
 THE DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL
 BY THE HOWARD SOIL CONSERVATION DISTRICT
[Signature] DATE: 3/12/86
 APPROVED HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MSBTS TECHNICAL
 REQUIREMENTS
[Signature] DATE: 3-12-86
 THE UNITED STATES SOIL CONSERVATION SERVICE

BUILDING #	STREET ADDRESS
A	10611 IRON BRIDGE ROAD
B	10621 IRON BRIDGE ROAD

SUBDIVISION NAME	TRACT	BLK	LOT	AREA	PERCENTAGE
CORRIDOR NORTH	PARCEL B				

PLAT #	DATE	BLK #	LOT #	BLK AREA	BLK PERCENTAGE
0226	7	M-2	4B		

WATER DATE: E-14

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

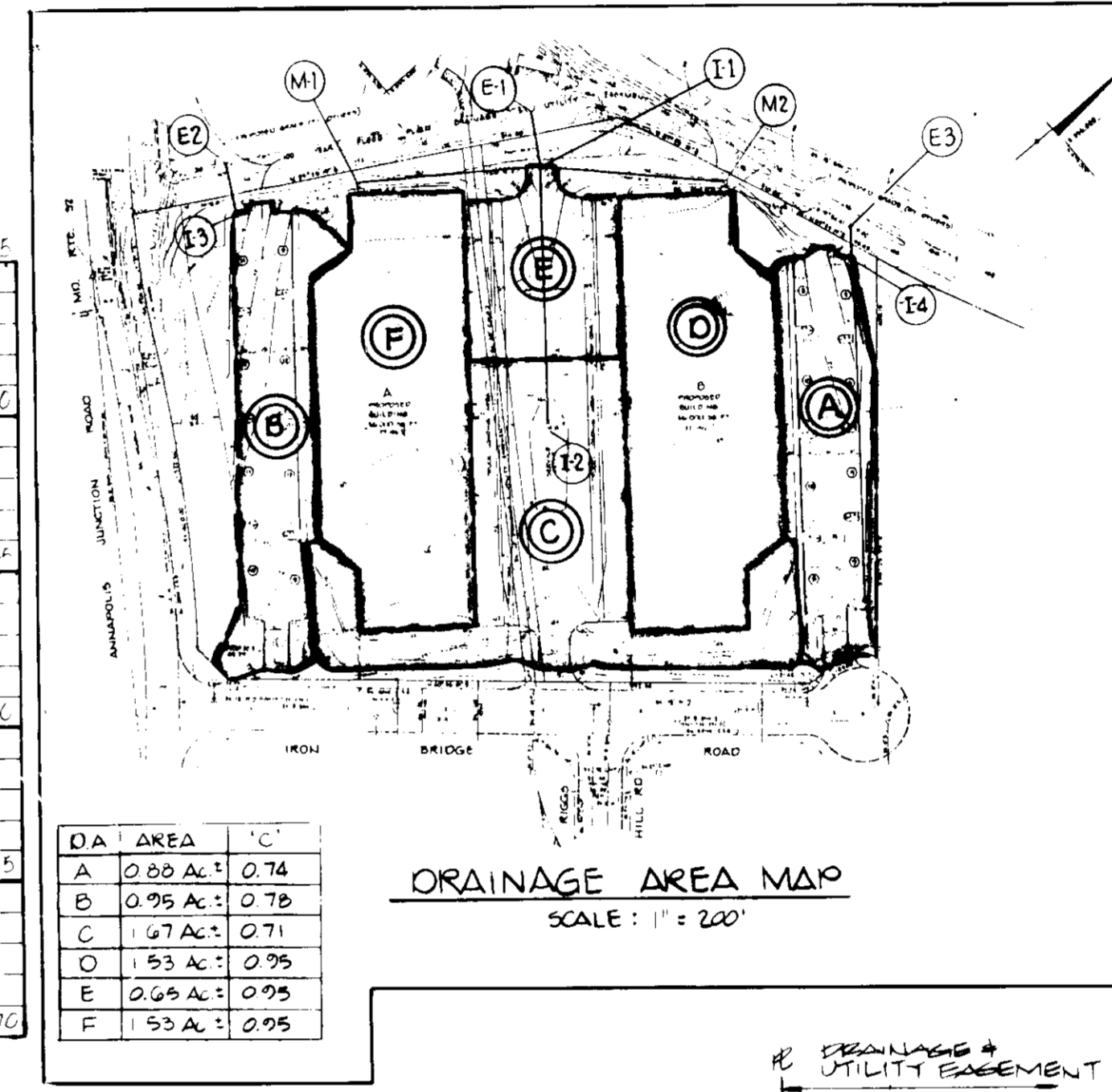
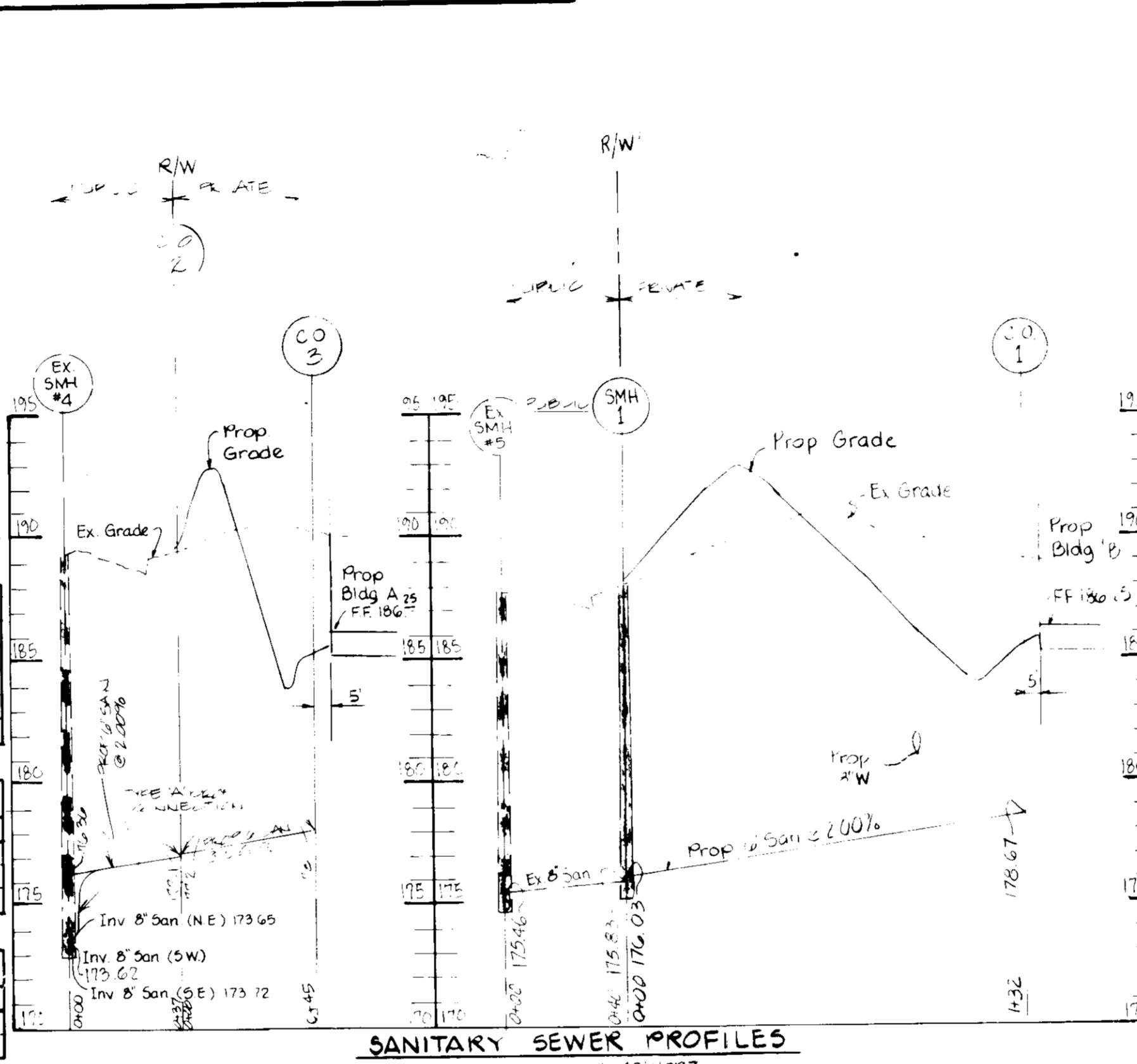
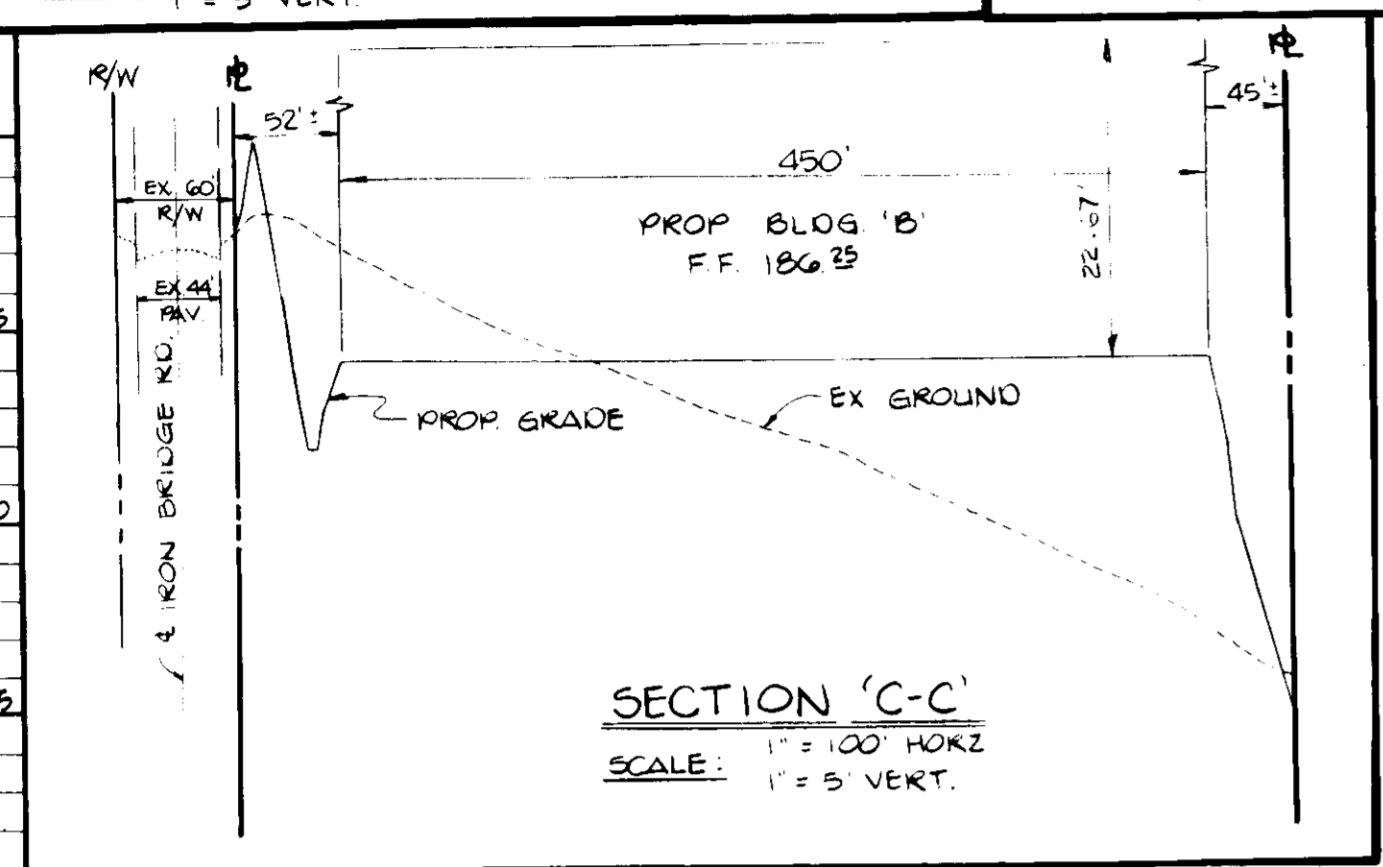
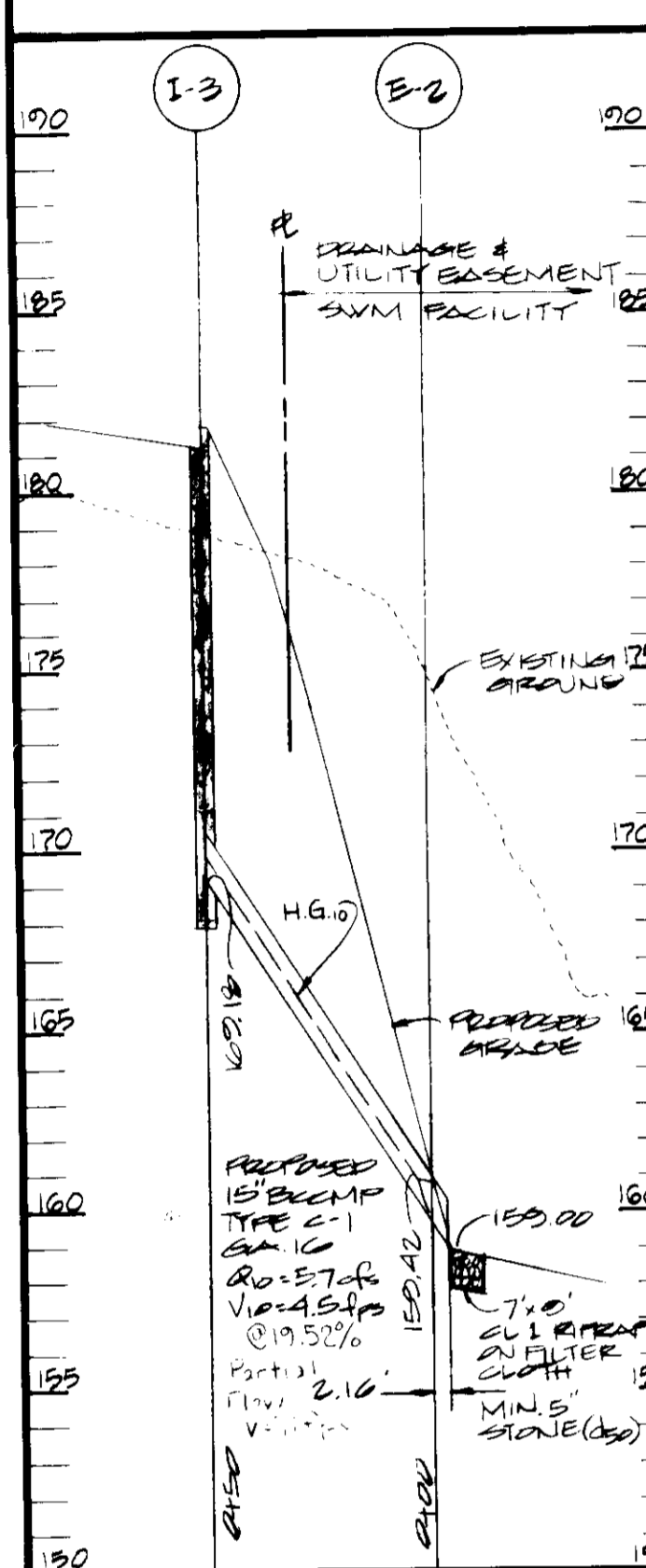
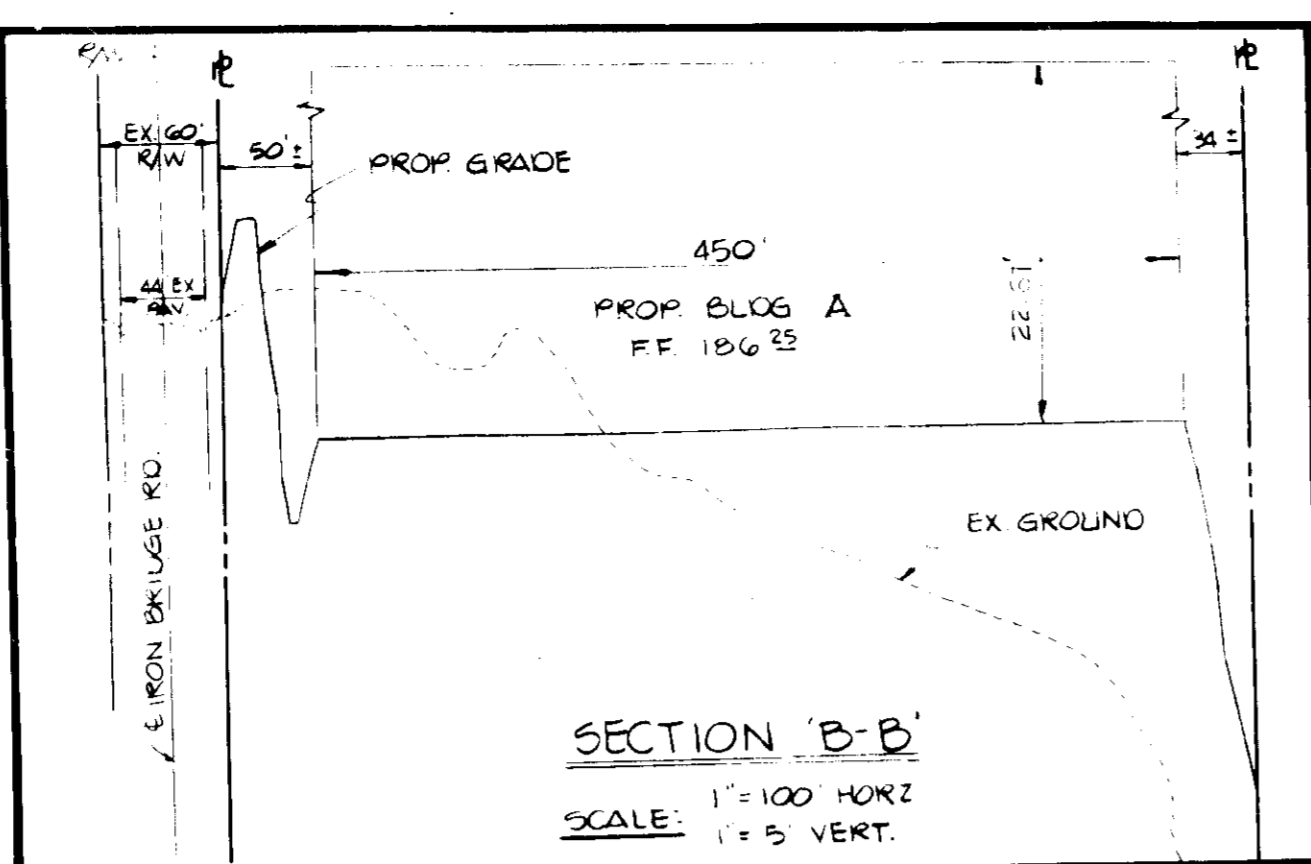
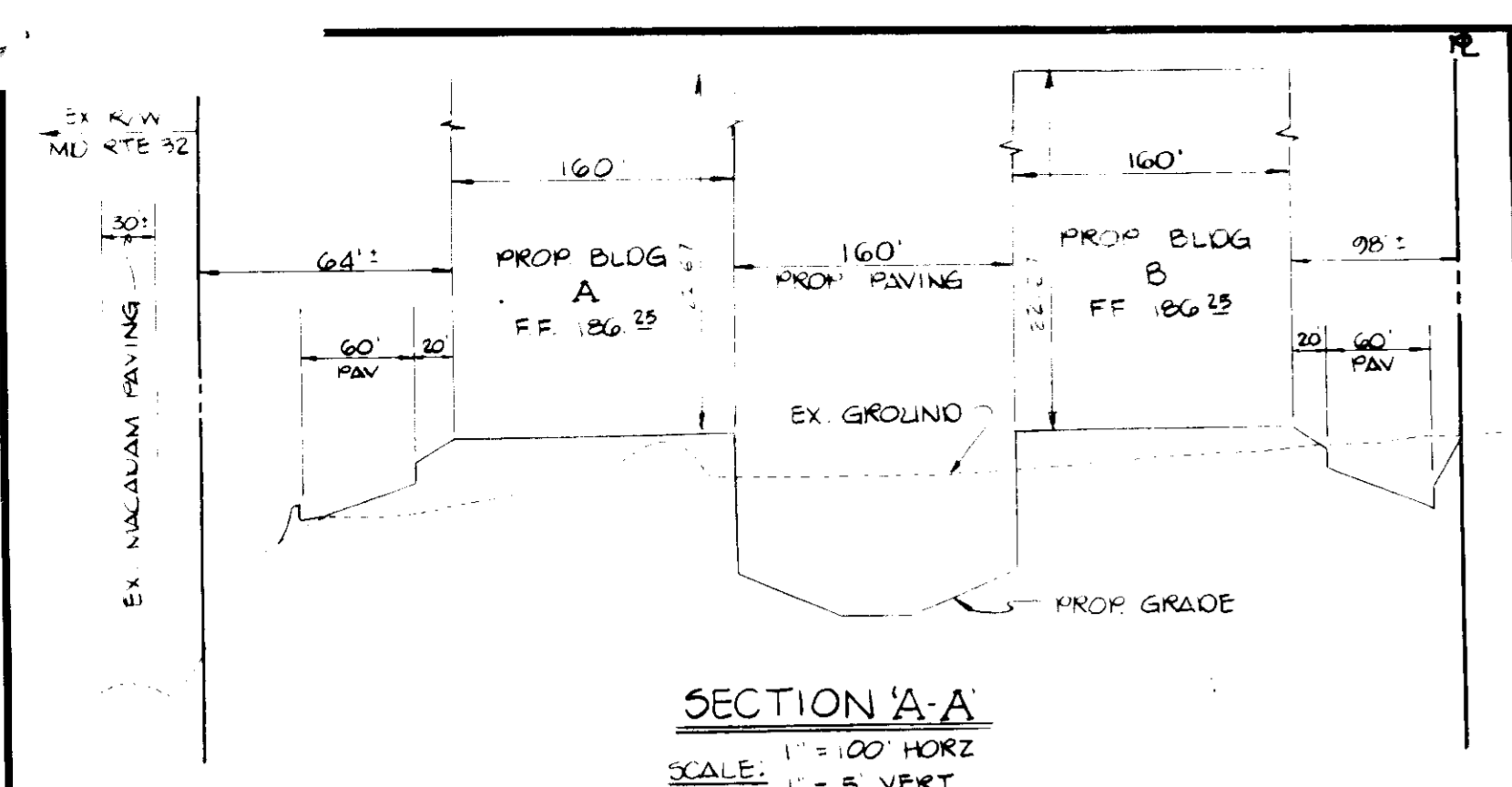
ENGINEER
[Signature]
 1722
 REG. LIC. DATE: 2/20/86

OWNER / DEVELOPER
 JAMES F. KNOTT
 DEVELOPMENT CORP.
 110 WEST ROAD
 SUITE 203
 TOWSON, MARYLAND 21204
 (301) 321-6436

DEVELOPER
[Signature]
 8-8-85

DESIGNED BY: P.R.C.
DRAWN BY: K.L.B.
CHECKED BY: P.R.C.
REVISIONS
 1. Added 3 Conc. Ramps to Bldg. 'B' 3-27-87
 2. Rev. Drainage Pads & Curb & Gutter Around Bldg. 'B' 4-14-87
 3. Added Ramp to Bldg. 'A' 5-22-87
 4. Added Ramp to Bldg. 'A' 7/10/85

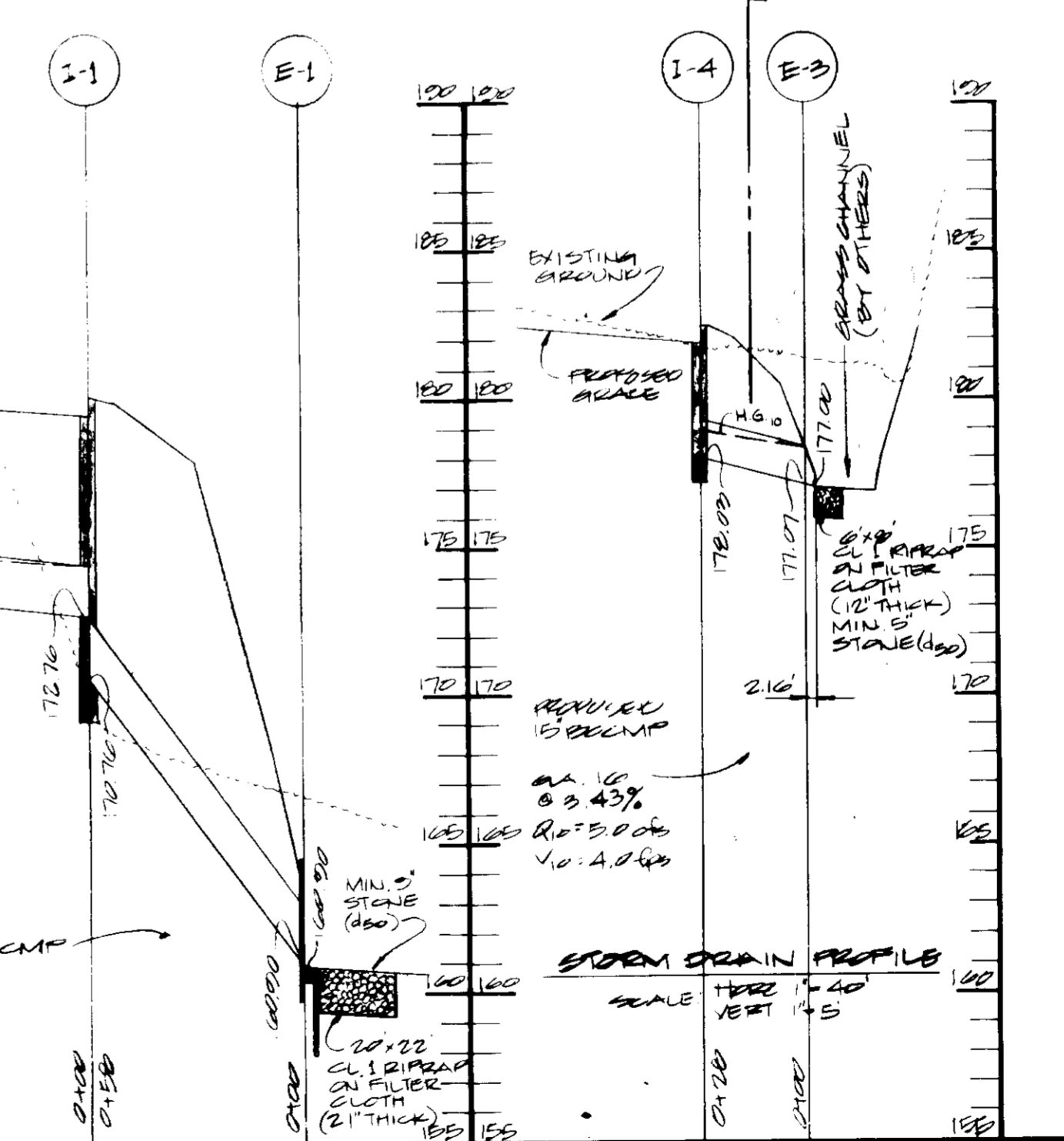
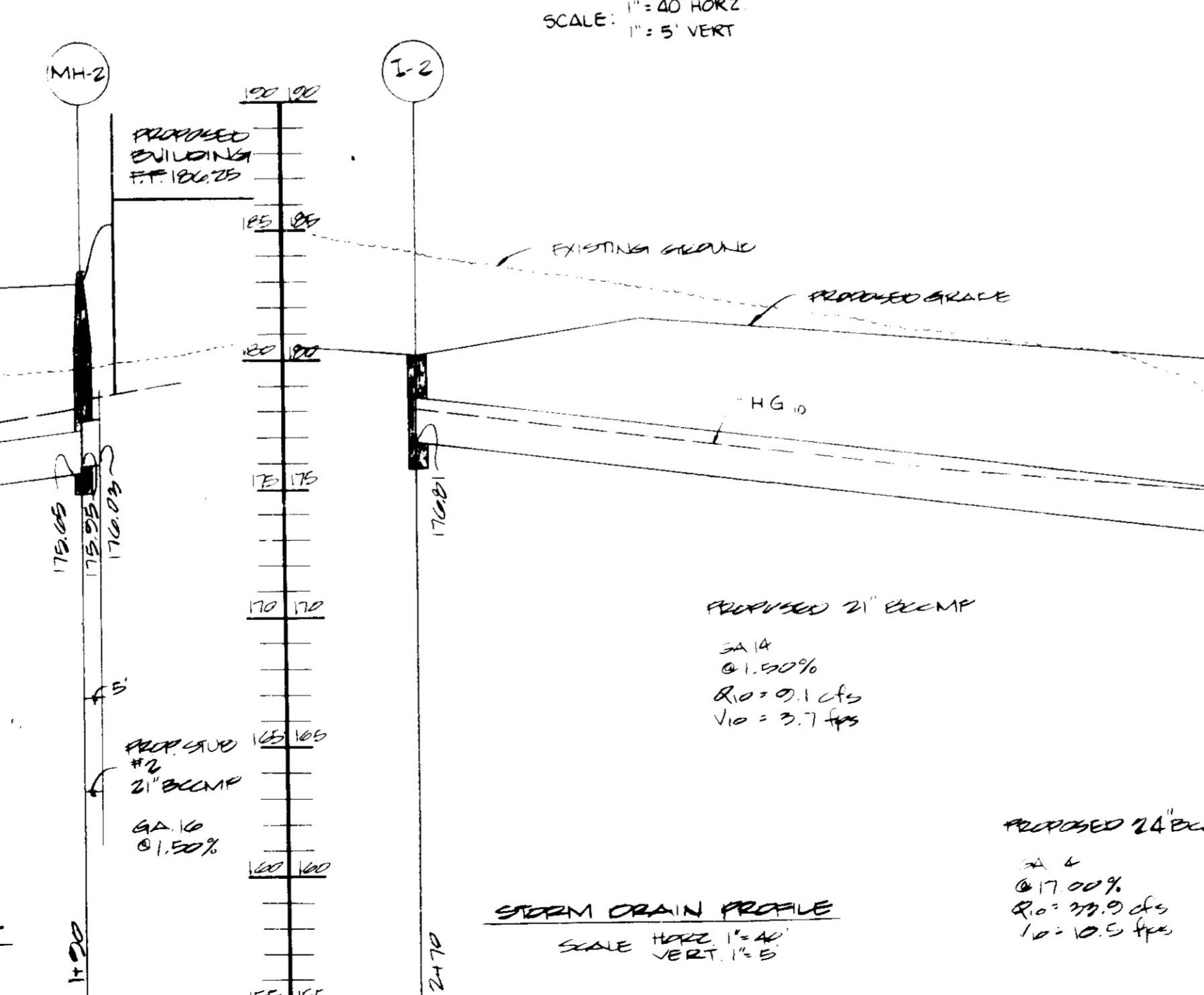
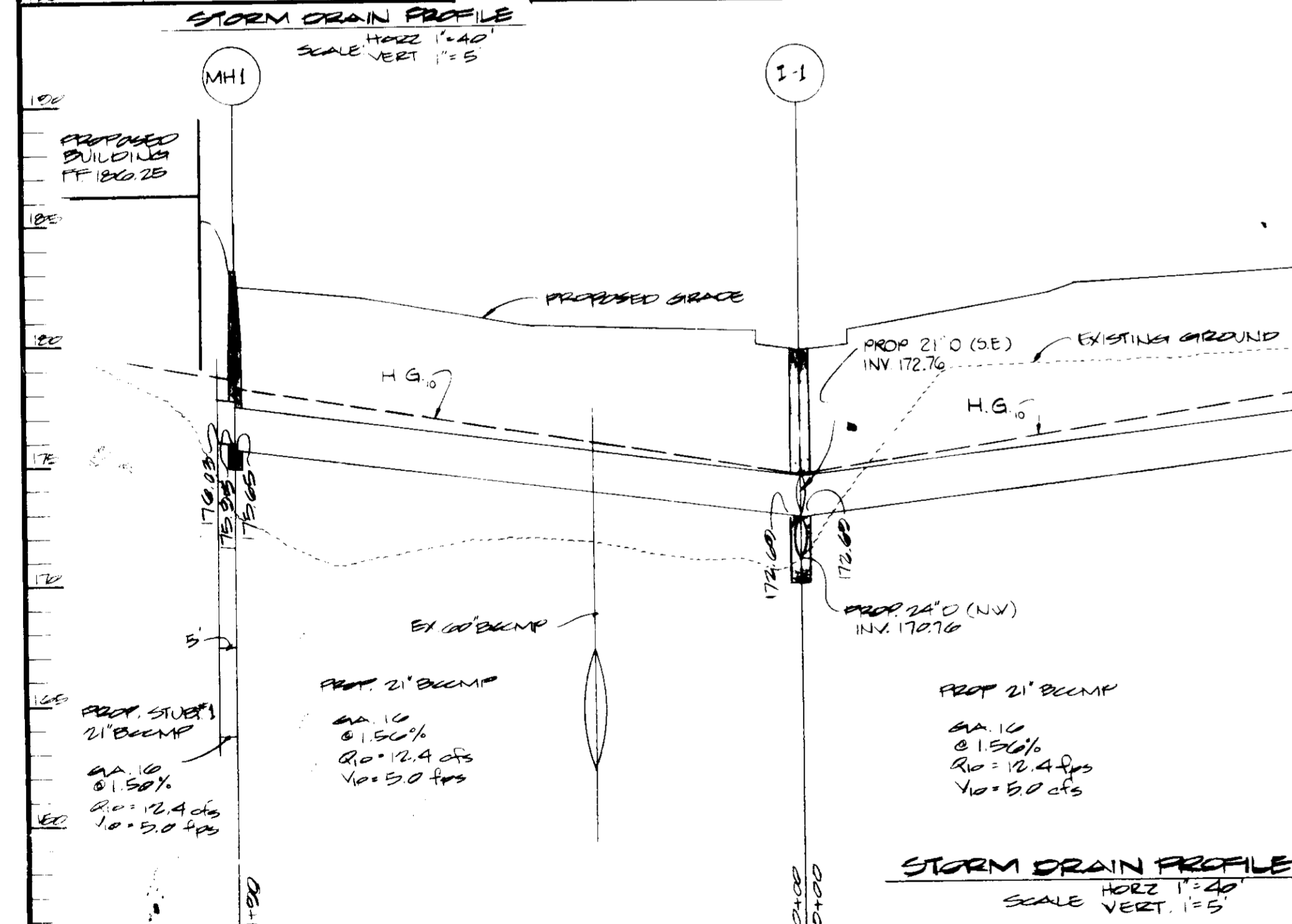
SITE PLAN - FOR -
CORRIDOR NORTH
 TAX MAP 4B PARCEL B
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40' JULY 31, 1985 SHEET 1 OF 5
 SDP# 86-40



INLET SCHEDULE						
ID	TYPE	SIZE	INV IN	INV AT	TOT ELEV	REMARKS
I-1	PEL'S CONC	5.25	172.76	180.24	180.24	HAN CO STD LET 50-4.24
I-2	PEL'S CONC	0.18	176.81	179.95	179.95	HAN CO STD LET 50-4.24
I-3	PEL'S CONC	5.71	169.18	181.25	181.25	HAN CO STD LET 50-4.24
I-4	PEL'S CONC	5.01	172.03	181.79	181.79	HAN CO STD LET 50-4.24

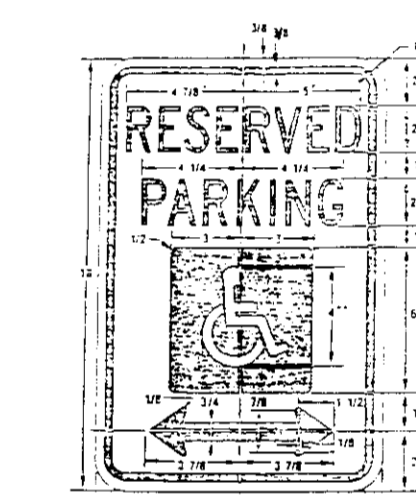
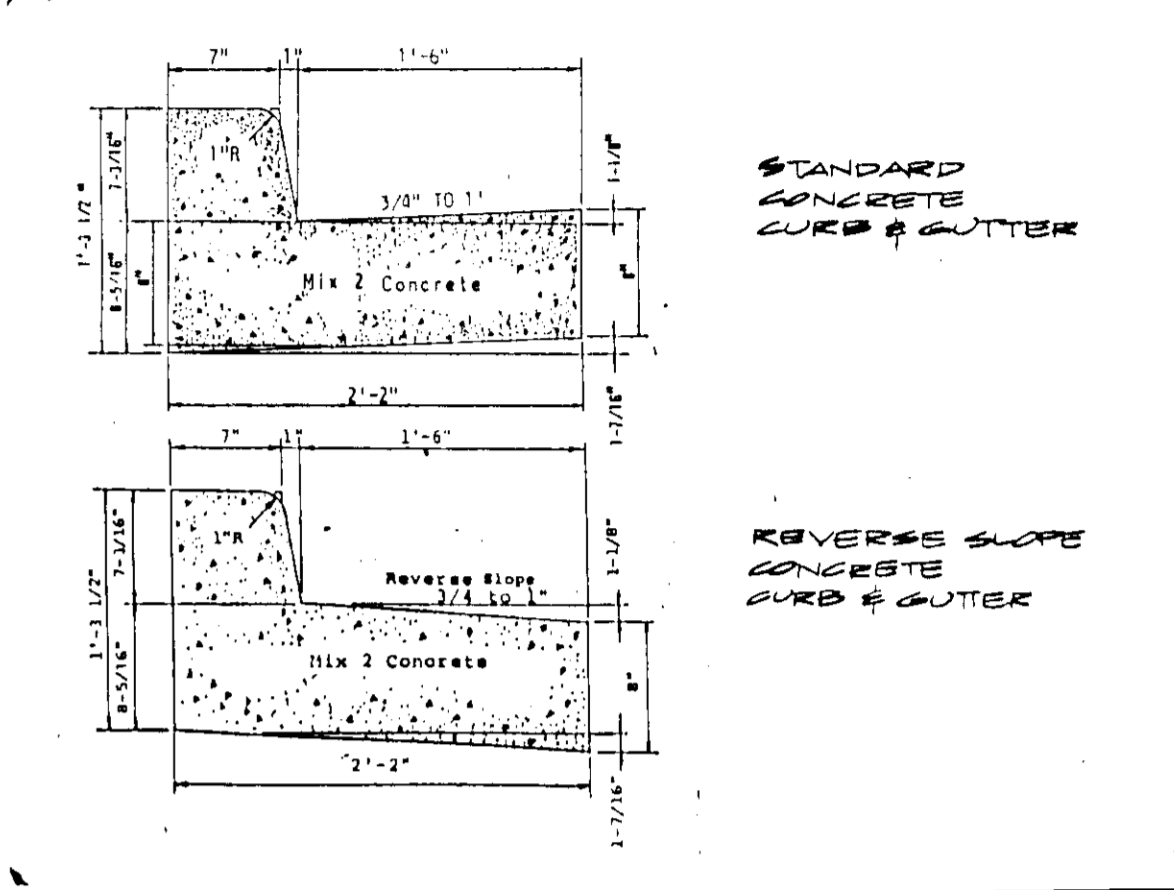
STRUCTURE SCHEDULE						
ID	TYPE	SIZE	INV IN	INV AT	TOT ELEV	REMARKS
S-1	2' HEAVY WALL	24"	169.40	169.40	169.40	HAN CO STD LET 50-5.61
S-2	SUB SECTION	15"	159.40	159.40	159.40	HAN CO STD LET 50-5.61
S-3	2' SUB SECTION	15"	177.21	177.21	177.21	HAN CO STD LET 50-5.61

MANHOLE SCHEDULE						
ID	TYPE	SIZE	INV IN	INV AT	TOT ELEV	REMARKS
MH-1	4' Ø BRICK	21"	175.05	175.05	175.05	HAN CO STD LET 50-5.61
MH-2	4' Ø BRICK	21"	175.05	175.05	175.05	HAN CO STD LET 50-5.61



DIVISION OF PLANNING & ZONING
 HOWARD COUNTY
 DATE: 10-29-85
 M. G. King

- 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 curb 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 2:1 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 & P Telephone Co. and the Gas and Electric Company five days prior to starting work shown on these plans by calling "Miss Utility". Call collect 1-559-0100.
 9. For details of ramps and signs for the handicapped see the Maryland Building Code for the Handicapped and Aged and as shown hereon.
 10. The contractor shall maintain a minimum of "A" cover over all exposed sewer lines.
 11. The contractor or developer shall contact the Construction Inspection/Survey Division, 24 hours in advance of commencement of work at 992-7417 or 792-7272.
 12. The contractor shall remove all existing paving, curb and gutter, etc. that may interfere with proposed construction.
 13. All utilities installed shall receive full trench compaction.
 14. All water main tees, bends, caps, etc. shall be buttressed in accordance with Howard County Design requirements.



STANDARD R7-8
 RESERVE PARKING
 SIGN



850 Fine Sign
 Sign to utilize an aluminum blank 6" x 12" x 0.080 inch thick with two single post mounting holes.
 The text and border shall be standard green to match that on R7-8 and the background shall be reflective white. Text shall be in 1" characters.
 Sign shall be mounted directly below the standard R7-8 Reserved Parking for Handicapped sign. Its bottom edge shall be no less than 7 feet above ground. If the sign is placed against a building, structure, or other location where vehicle or pedestrian traffic is not obstructed the bottom edge of sign shall be at least 6 feet but not more than 10 feet above ground.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 3-12-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] DATE: 3-23-86
 CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROAD
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 3-23-86
 CHIEF BUREAU OF ENGINEERING

HOWARD SOIL CONSERVATION DISTRICT
 THE DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL
 BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] DATE: 3/4/86
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL
 REQUIREMENTS.
[Signature] DATE: 3-5-86
 THE UNITED STATES SOIL CONSERVATION SERVICE

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

ENGINEER
[Signature]
 DATE: 2/28/86

OWNER / DEVELOPER
 JAMES F. KNOTT
 DEVELOPMENT CORP.
 110 WEST ROAD
 SUITE 203
 TOWSON, MARYLAND 21204
 (301) 521-6436

DEVELOPER
[Signature]
 DATE: 8-8-85

DESIGNED BY: T.M.H.
 DRAWN BY: O.M.B.
 CHECKED BY: P.R.C.
 REVISIONS

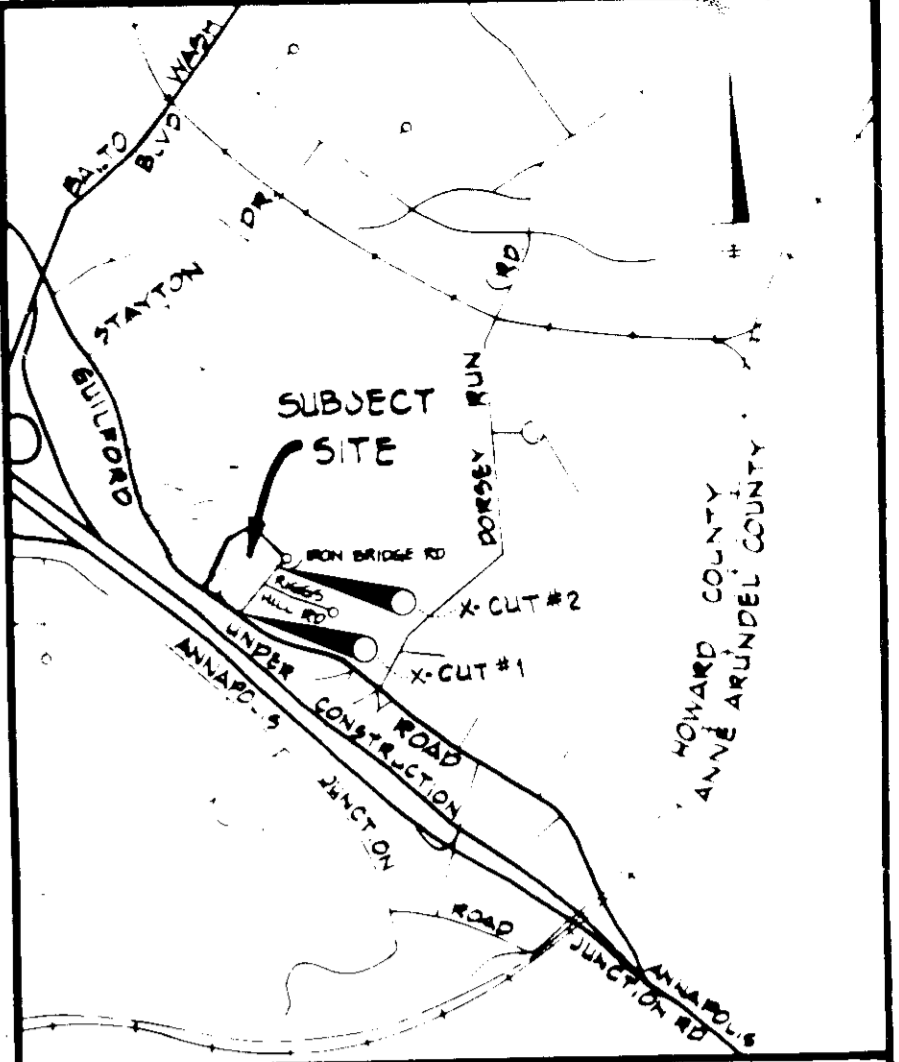
PROFILES AND DETAILS
 -FOR-
CORRIDOR NORTH
 TAX MAP 48 PARCEL B
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE AS SHOWN JULY 31, 1985 SHEET 2 OF 5

STORM INLET SEDIMENT TRAP #1
 EXISTING O.A. TO TRAP = 2.8 AC. ±
 PROPOSED O.A. TO TRAP = 2.4 AC. ±
 VOLUME REQUIRED = 2.8 x 1800 = 5040 C.F.
 VOLUME PROVIDED @ ELEV. 181.85 = 5500 C.F.
 TOP OF TRAP = 181.25
 BOTTOM OF TRAP = 179.25
 CLEANOUT ELEV. = 179.75

STORM INLET SEDIMENT TRAP #2
 EXISTING O.A. TO TRAP = 0.85 AC. ±
 PROPOSED O.A. TO TRAP = 0.66 AC. ±
 VOLUME REQUIRED = 0.85 x 1800 = 1530 C.F.
 VOLUME PROVIDED @ ELEV. 180.20 = 1650 C.F.
 TOP OF TRAP = 180.20
 BOTTOM OF TRAP = 179.20
 CLEANOUT ELEV. = 179.70

- LEGEND**
- EXISTING GROUND
 - PROPOSED GRADE
 - EX. CURB AND GUTTER
 - PROP. CURB AND GUTTER
 - NO OF PARKING SPACES
 - EX. SANITARY SEWER
 - PROP. SANITARY SEWER
 - EX. STORM DRAIN
 - PROP. STORM DRAIN
 - PROP. GRADE (BY OTHERS)
 - EX. WATER
 - HOCP PARKING

BENCH MARKS:
 X-CUT #1: ELEV 191.22 N 473,993.70
 E 855,870.99
 X-CUT IN CONC CURB N.W. SIDE
 IRON BRIDGE RD 65 ± FROM MD
 RTE 32
 X-CUT #2: ELEV 189.73 N 474,413.70
 E 856,235.55
 X-CUT IN CONC CURB N.W. SIDE
 IRON BRIDGE ROAD 620 ± FROM
 MD RTE 32



VICINITY MAP
 SCALE: 1" = 2000'

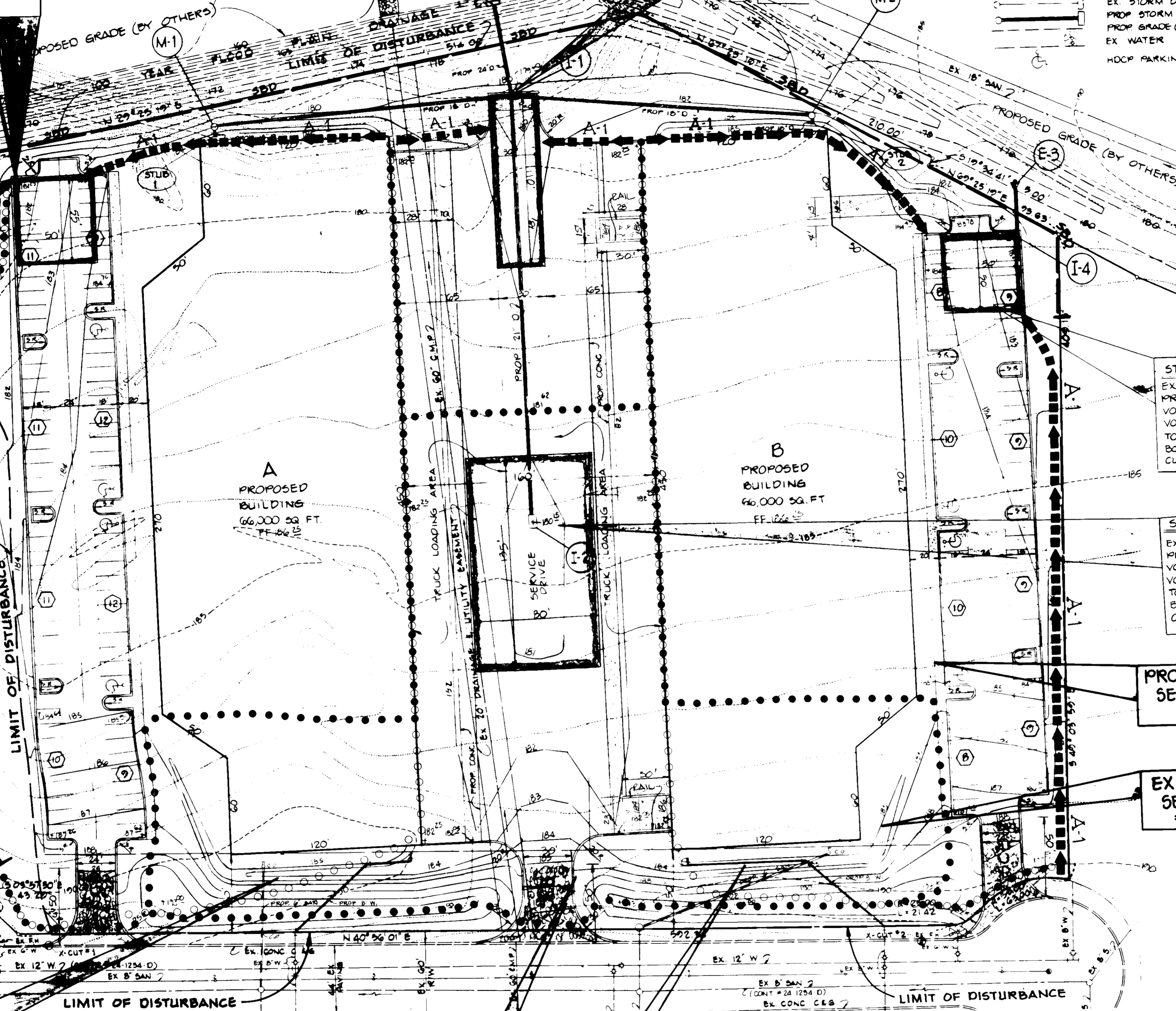
SITE DATA

TOTAL AREA OF SITE: 3.74 AC. ±
 EXISTING ZONING: M-2
 TOTAL FLOOR AREA: 132,000 SQ. FT.
 EXISTING USE: VACANT
 PROPOSED USE: OFFICE / WAREHOUSE
 PARKING REQUIRED: 147 SPACES
 PARKING PROVIDED: 157 (INCL 7 HOCP SPACES)
 FLOOR AREA RATIO: 3.030 AC. ± / 8,734 AC. ± = 35%
 PROPERTY REFERENCE: 7091421
 % OPEN SPACE: 2.70 AC. ± / 8,734 AC. ± = 31%
 % BUILDING COVERAGE: 3.030 AC. ± / 8,734 AC. ± = 35%
 AREA TO BE DISTURBED: 3.25 AC. ±
 AREA TO BE VEGETATIVELY STABILIZED: 2.18 AC. ±

NOTE: STORMWATER MANAGEMENT HAS BEEN PROVIDED FOR IN THE REGIONAL FACILITY

APPROXIMATE EARTH QUANTITY
 CUT = 17,033 C.Y.
 FILL = 17,033 C.Y. (INCLUDES 10% COMPACTION)

MD. RTE. 32
 ANNAPOLIS JUNCTION ROAD



PROPOSED O.A. TO SEDIMENT TRAP #1 = 2.4 AC. ±

EXISTING O.A. TO SEDIMENT TRAP #1 = 2.8 AC. ±

EXISTING O.A. TO SEDIMENT TRAP #3 = 2.0 AC. ±

PROPOSED O.A. TO SEDIMENT TRAP #3 = 2.3 AC. ±

PROPOSED O.A. TO SEDIMENT TRAP #4 = 2.2 AC. ±

EXISTING O.A. TO SEDIMENT TRAP #4 = 2.7 AC. ±

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM HOWARD COUNTY HEALTH DEPARTMENT COUNTY HEALTH OFFICER: <i>Joseph Byler</i> DATE: 3-1-85	
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING DIRECTOR: <i>John W. [Signature]</i> DATE: 2-25-85 CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION	
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR: <i>[Signature]</i> DATE: [] CHIEF BUREAU OF ENGINEERING	
HOWARD SOIL CONSERVATION DISTRICT THE DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT DIRECTOR: <i>Stephen L. Fisher</i> DATE: 3/4/85 APPROVED HOWARD SOIL CONSERVATION DISTRICT	
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS THE UNITED STATES SOIL CONSERVATION SERVICE APPROVED: <i>[Signature]</i> DATE: []	
BUILDING A	10611 IRON BRIDGE ROAD
BUILDING B	10621 IRON BRIDGE ROAD
SUBDIVISION NAME: CORRIDOR NORTH - PARCEL B PLAN OF LOTS: 7 TOTAL AREA: 3.74 AC. ± TOTAL LOT AREA: 3.74 AC. ± TOTAL LOT AREA: 3.74 AC. ±	

10-29-85
[Signature]

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21284
 (301) 825-8122

ENGINEERS CERTIFICATION
 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] DATE: 2/28/85

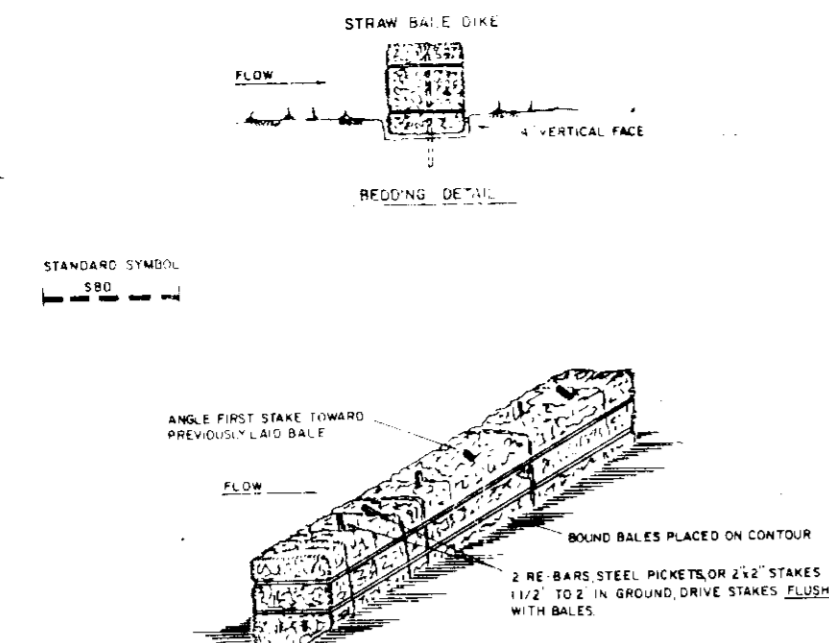
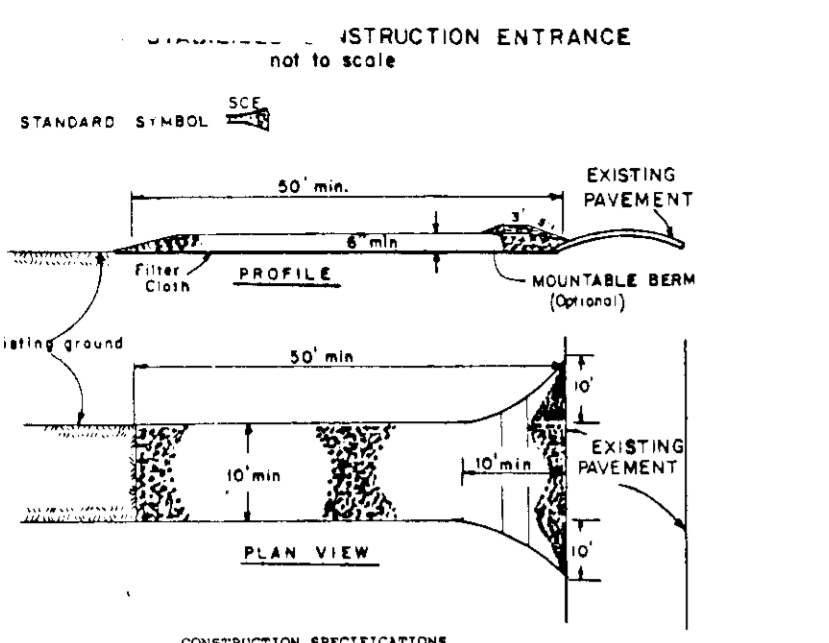
OWNER / DEVELOPER
 JAMES F. KNOTT
 DEVELOPMENT CORP.
 110 WEST ROAD
 SUITE 203
 TOWSON, MARYLAND 21204
 (301) 321-6436

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 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 and erosion before beginning the project.
 DATE: 8-8-85
[Signature]

DESIGNED BY: K.L.B.
 DRAWN BY: K.L.B.
 CHECKED BY: J.C.
 REVISIONS:

SEDIMENT AND EROSION CONTROL PLAN
 -FOR-
CORRIDOR NORTH
 TAX MAP 4B PARCEL B
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40'
 JULY 3, 1985 SHEET 3 OF 5

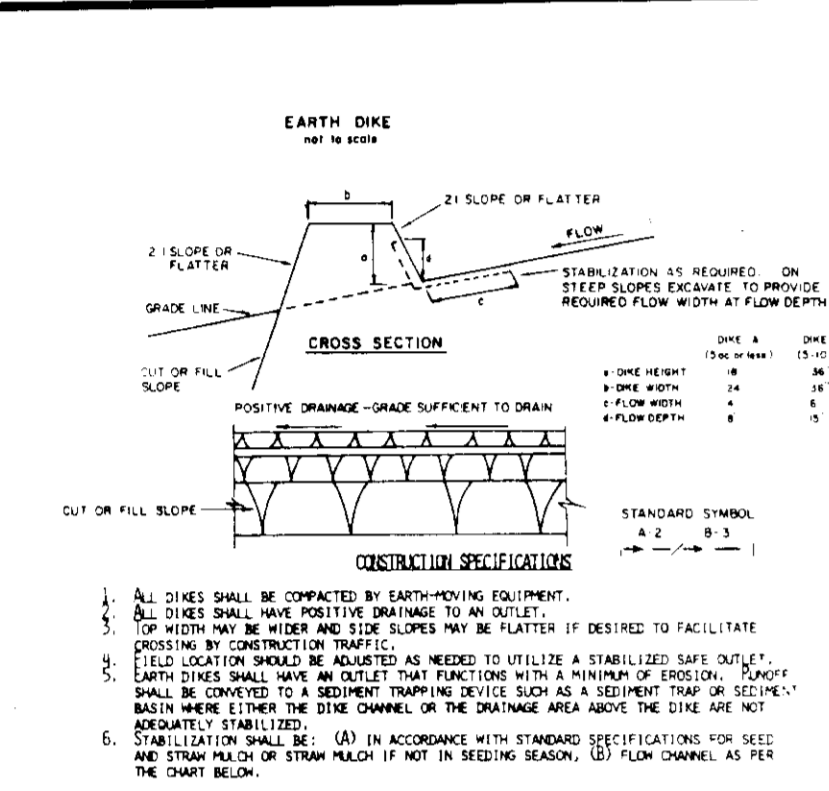
APPROVE
 DIVISION OF
 ZONING
 HOWARD COUNTY
 DATE 10-29-85



- ### SEQUENCE OF CONSTRUCTION
1. NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS PERMITS INSPECTOR 48 HOURS PRIOR TO STARTING ANY WORK 2 DAYS
 2. INSTALL STABILIZED CONSTRUCTION ENTRANCES. 2 DAYS
 3. INSTALL STORM DRAINS AND PLUG ALL INLETS AND DRAIN OPENINGS UNTIL TRAPS ARE INSTALLED POSITIVE SILT FENCE BELOW DISTURBED AREA OF STORM DRAIN CONSTRUCTION 10 DAYS
 4. INSTALL STORM INLET SEDIMENT TRAPS AND PROVIDE DEWATERING DEVICES. 5 DAYS
 5. INSTALL EARTH DIKES AND STRAW BALE DIKES. MAINTAIN POSITIVE DRAINAGE TO INLET SEDIMENT TRAPS. 5 DAYS
 6. PLACE BUILDING FLOOR AREA AND PARKING AREAS TO SUB-GRADE. 15 DAYS
 7. CONSTRUCT FOUNDATION WALLS. 21 DAYS
 8. INSTALL ALL REMAINING UTILITIES. 10 DAYS
 9. PLACE BASE STONE ON BUILDING AND PAVING 7 DAYS
 10. STABILIZE ALL AREAS OUTSIDE BUILDINGS AND PAVING 7 DAYS
 11. REMOVE INLET TRAPS. 3 DAYS
 12. COMPLETE PAVING. 10 DAYS
 13. REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE THOSE AREAS AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR 3 DAYS

- ### CONSTRUCTION SPECIFICATIONS
1. Stone Size - Use 2" stone, or crushed or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single rest-stance lot where a 25 foot minimum length would apply).
 3. Thickness - Not less than 8" inches.
 4. Width - The 100' foot sections, but not less than the full width at police where ingress of access occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 6. Surface Slope - All surface water flowing or directed toward construction entrances shall be captured at the entrance. If piping is impractical, a portable basin with 1/2" slope will be provided.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent standing or flowing of sediment and debris. The entrance may require periodic top dressing with additional stone as conditions demand and repair and/or replacement of filter cloth as needed. All sediment applied, dropped, washed or tracked onto public right-of-way must be removed immediately.
 8. Warning - Signs shall be placed to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

- ### CONSTRUCTION SPECIFICATIONS
1. Bales shall be placed at the top of a slope or on the contour and in a row with one foot overlap between the adjacent bales.
 2. Each bale shall be impaled in the soil a minimum of (4) inches, and placed so the bales are firmly impaled in place by either the stakes or rebar driven through the bales. The first stake in each row shall be driven through the bales and secured with a 1/2" diameter rebar. The stakes shall be driven flush with the bales.
 3. Impalement shall be performed and repair replacement shall be made properly as needed.
 4. Bales shall be impaled when they have served their purpose so as not to block or restrict storm flow to the dike.



- ### SEDIMENT CONTROL NOTES
- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (892-2633).
 - 2) 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 HANSLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
 - 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 HANSLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 52), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 - 6) 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.
 - 7) Site Analysis:
 Total Area of Site: 1.794 acres
 Area Disturbed: 0.725 acres
 Area to be roofed or paved: 0.105 acres
 Area to be vegetatively stabilized: 2.188 acres
 Total Cut: 17,083 Cu. Yds
 Total Fill: 17,083 Cu. Yds
 Off-site waste/area location: N/A
 - 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be re-installed on the same day of disturbance.
 - 9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPM sediment control inspector.

- 10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL TROLS, BUT BEFORE PRECEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

FLUX CHANNEL STABILIZATION

TYPE OF CHANNEL	CORRECTION	DRAIN A	DRAIN B
1	5:1-3:1	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3:1-2:1	SEED AND STRAW MULCH	SEED AND STRAW MULCH
3	5:1-3:1	SEED WITH JUTE, OR SOIL	EXCISE AND SEED 2" STONE
4	5:1-3:1	SEED WITH JUTE, OR SOIL	ENGINEERING DESIGN
5	8:1-2:1	LINE WITH 4" x 4" STONE	ENGINEERING DESIGN

A. Stone to be 2 inch stone, or recycled concrete equivalent, in a layer at least 3 inches thick. The stone may be placed into the ditch with construction equipment.

B. Jute to be 3 inches in a layer at least 8 inches thickness and pressed into the soil.

C. Approved equivalent can be substituted for any of the above practices.

D. Periodic inspection and needed maintenance shall be provided after each rain event.

PERMANENT SEEDING NOTES

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

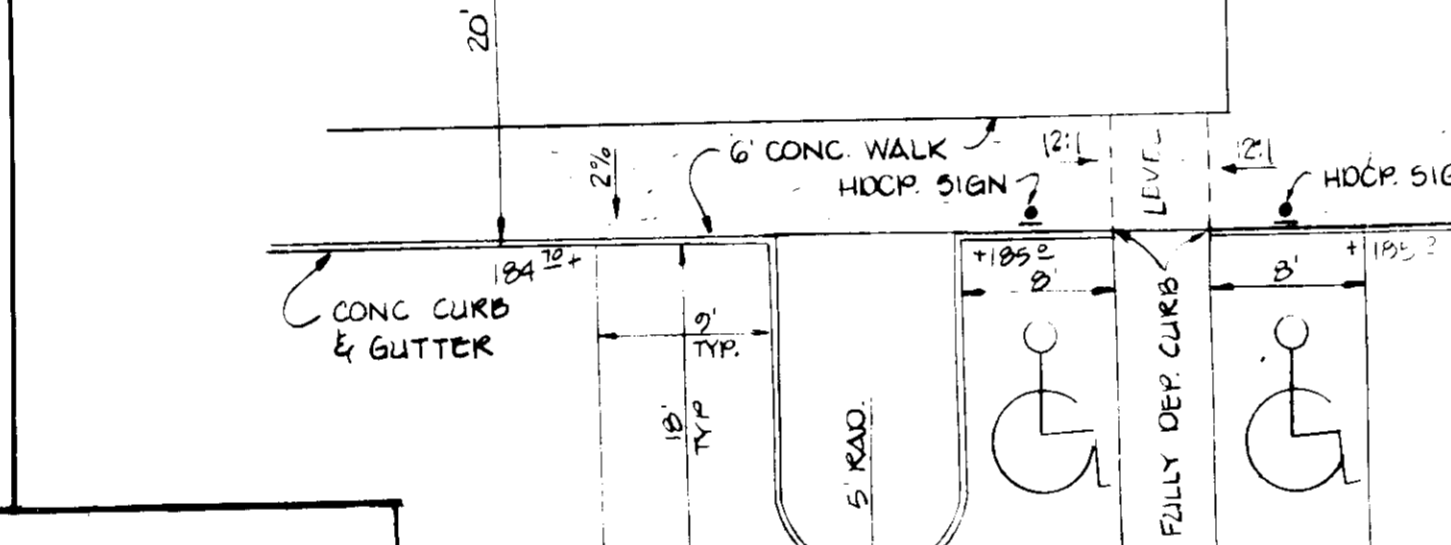
Soil Amendments: Use one of the following schedules:

- 1.) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 square ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 10-0-0 ureaform fertilizer (9 lbs./1000 sq. ft.)
- 2.) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil.

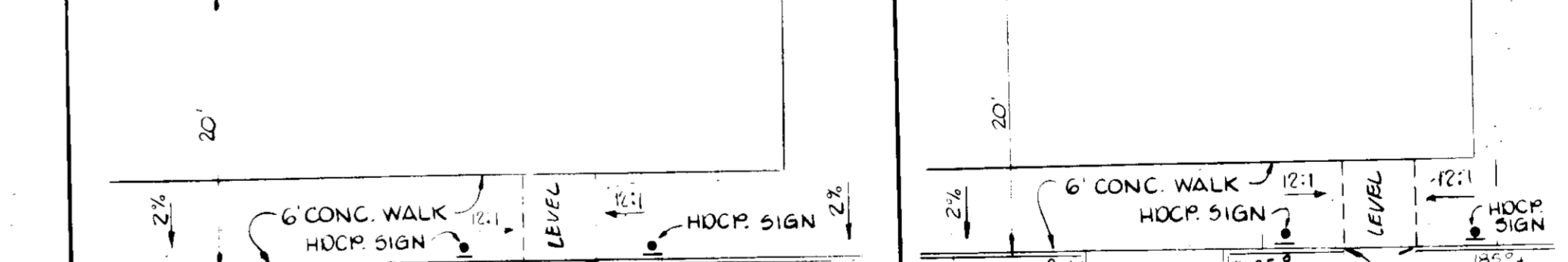
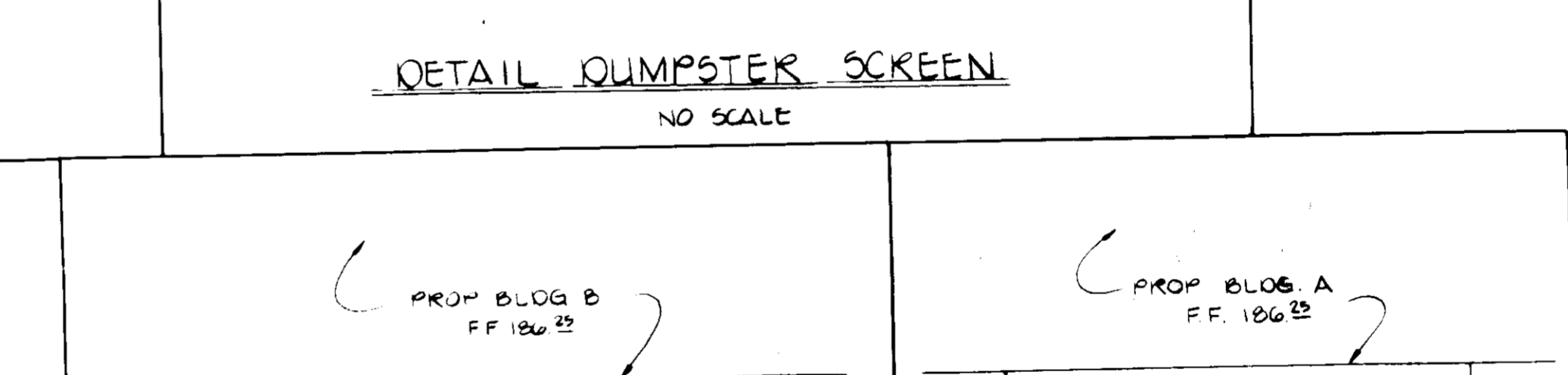
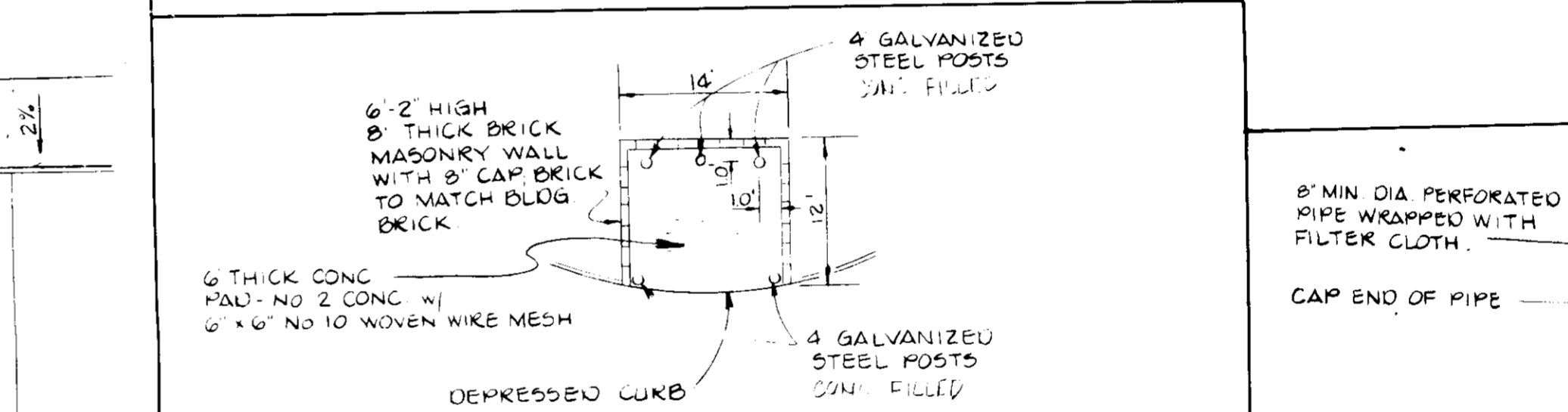
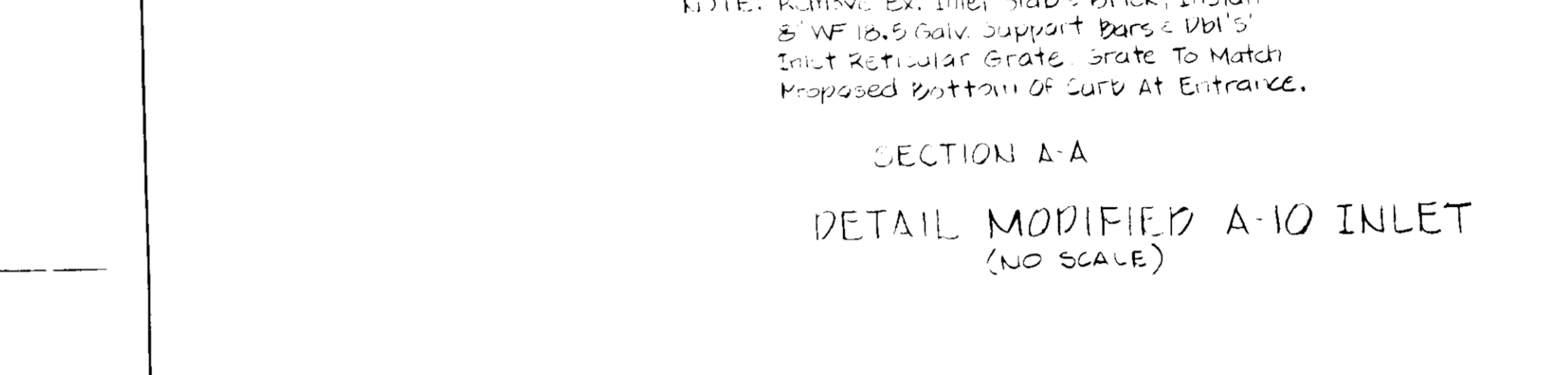
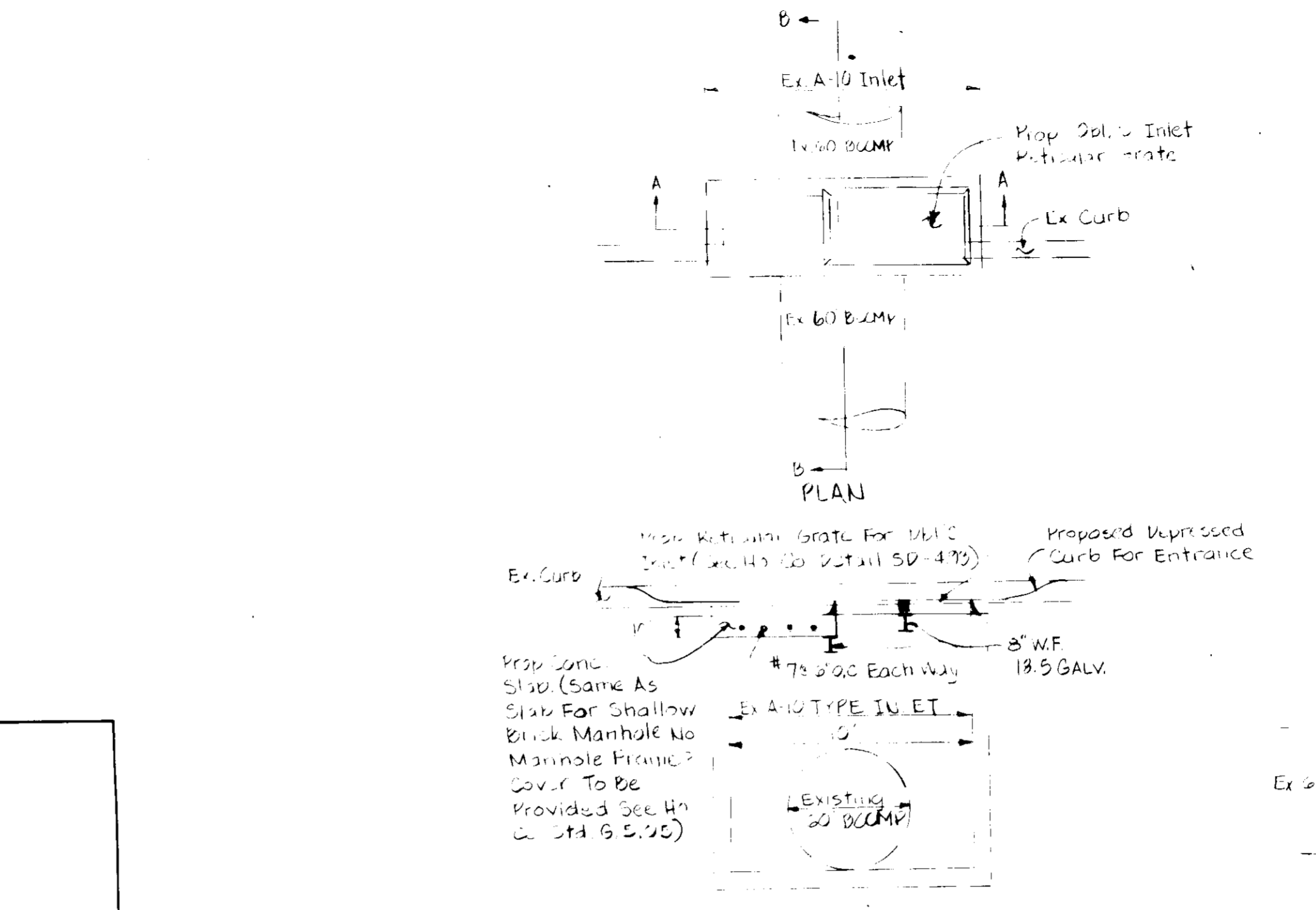
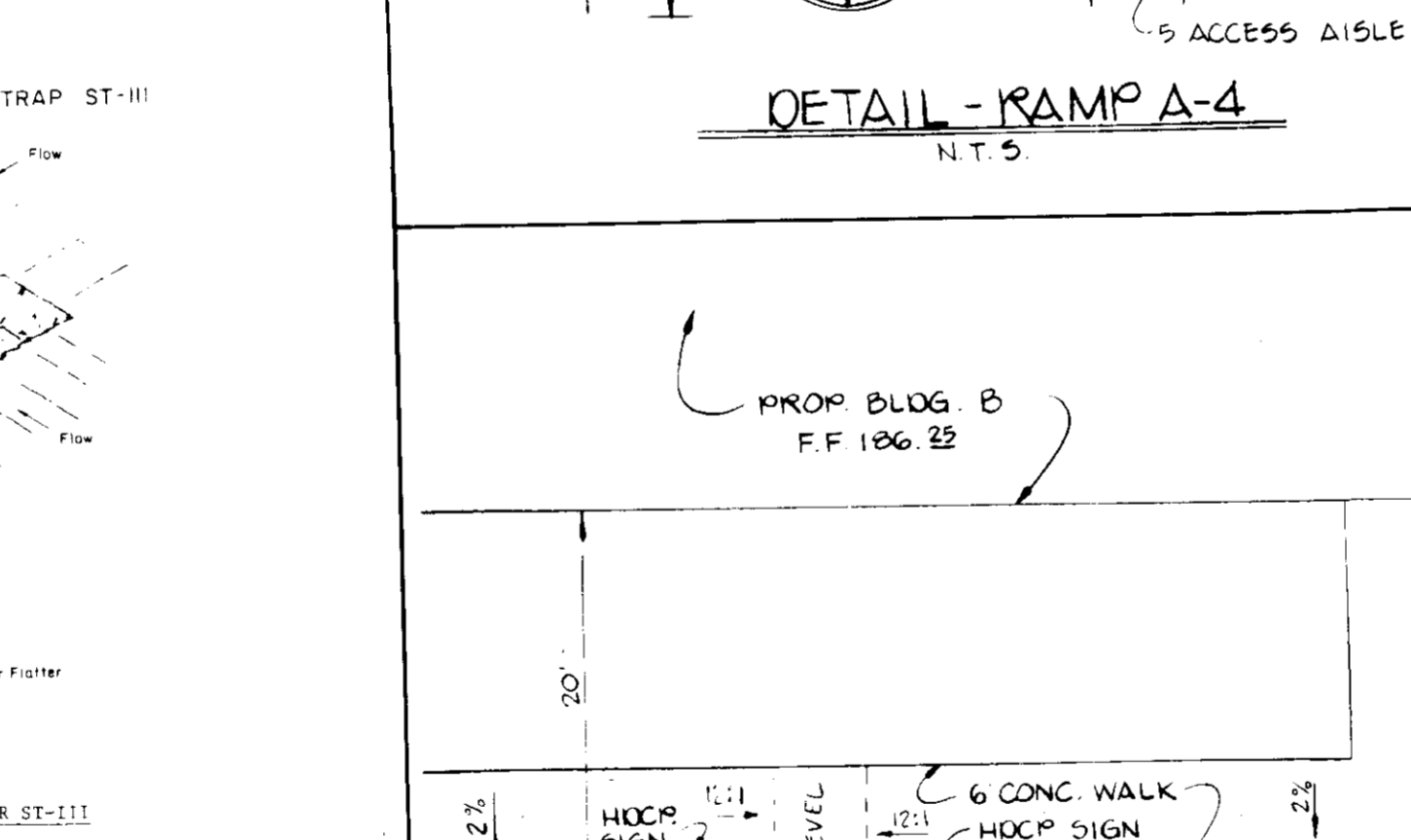
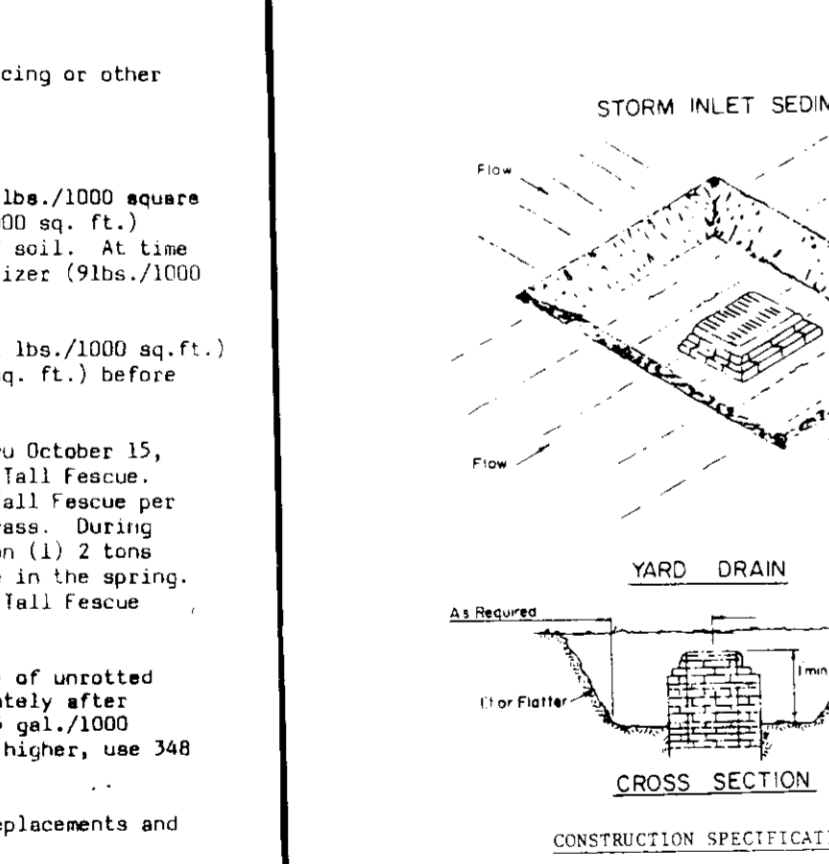
Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 Fall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Fall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, plant site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use seed, Option (3) Seed with 60 lbs./acre Kentucky 31 Fall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

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



- ### TEMPORARY SEEDING NOTES
- Seedbed Preparation:** Loosen upper 3 inches of soil by raking, disking 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 November 15, seed with 25 lbs. per acre of annual ryegrass (3.2 lbs./1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.
- Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.



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

DEVELOPER'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 County Soil Conservation District or their authorized agents as 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 and erosion before beginning the project.
 Date: 8-8-85
 Developer: James J. King

OWNER / DEVELOPER
 JAMES F. KNOTT
 DEVELOPMENT CORP.
 110 WEST ROAD
 SUITE 203
 TOWSON, MARYLAND 21204
 (301) 321-6436

ENGINEERS CERTIFICATION
 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.
 Date: 7/28/85
 Engineer: K.L.B.

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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 3-12-84

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 DIRECTOR: [Signature] DATE: 5-18-86

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

HOWARD SOIL CONSERVATION DISTRICT
 THE DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: [Signature] DATE: 7/1/85

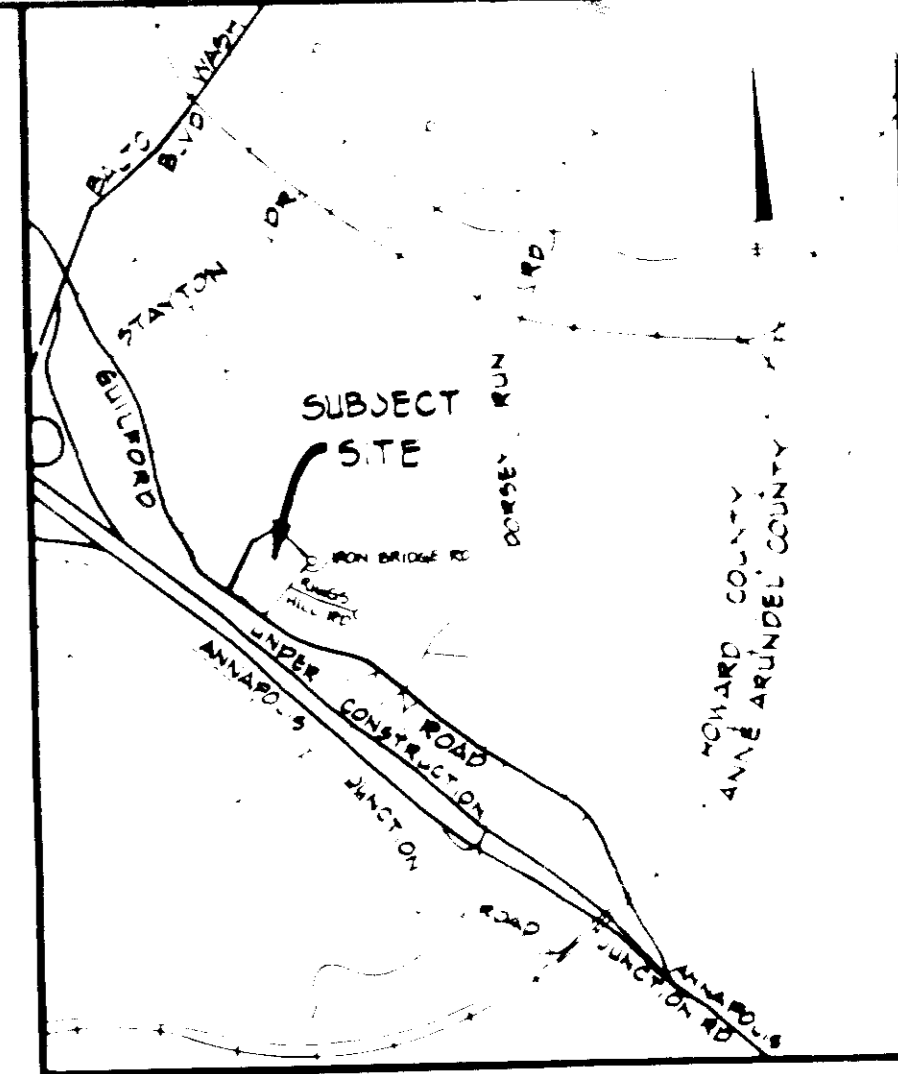
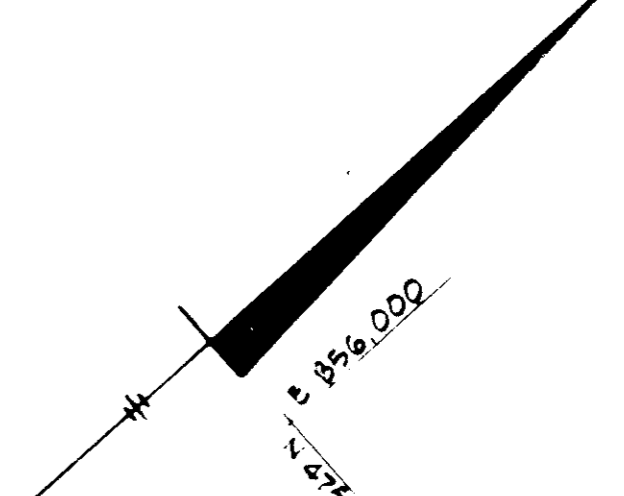
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS
 [Signature] DATE: [Blank]

THE UNITED STATES SOIL CONSERVATION SERVICE

PROFILES AND DETAILS
 -FOR-
CORRIDOR NORTH
 TAX MAP 4B PARCEL B
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE AS SHOWN JULY 31, 1985 SHEET 4 OF 5
 SDP-86-40

LEGEND

- EXISTING GROUND
- PROPOSED GRADE
- EX CURB AND GUTTER
- PROP CURB AND GUTTER
- NO OF PARKING SPACES
- EX SANITARY SEWER
- PROP SANITARY SEWER
- EX STORM DRAIN
- PROP STORM DRAIN
- PROP GRADE (BY OTHERS)
- EX WATER
- HOOP PARKING



VICINITY MAP
SCALE 1" = 200'

SITE DATA

- LENGTH OF PUBLIC ROAD TO BE PAINTED - 200'
- TREES PLANTED -
- MAPLE SHADE - 6
- OVERGREEN - 40
- FLOWERING - 4
- LENGTH SIDE WALKWAY FROM ADJACENT NW PROPERTY - 200'
- TREES PLANTED -
- MAPLE SHADE - 3
- OVERGREEN - 53

PLANT LIST

NO.	SYMBOL	PLANT NAME	COMMON NAME	SIZE
16	(Symbol)	ALEX PUBESCENS	STURGEON MAPLE	2 1/2" CAL 2-14' HT 10" DBH
21	(Symbol)	FRAXINUS LANCEA	MAPLE	2 1/2" CAL
10	(Symbol)	QUERCUS ALBA	WHITE OAK	2 1/2" CAL
11	(Symbol)	QUERCUS PRINCEPI	PRINCEPI OAK	2-2 1/2" CAL 8-10' HT 8" DBH
12	(Symbol)	QUERCUS CERRIFERA	CHERRYBARK OAK	2-2 1/2" CAL " " " 20' CAL
13	(Symbol)	QUERCUS ALBA	WHITE OAK	6-8" HT, 3-4" DBH 10" CAL
22	(Symbol)	QUERCUS ALBA	WHITE OAK	8-10' HT " " " 10" CAL
23	(Symbol)	QUERCUS ALBA	WHITE OAK	4-5' HT " " " 10" CAL
20	(Symbol)	QUERCUS ALBA	WHITE OAK	12-15' HT 3-4" DBH 2 1/2" CAL
17	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
18	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
19	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
24	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
25	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
26	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
27	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
28	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
29	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
30	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
31	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
32	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL
33	(Symbol)	QUERCUS ALBA	WHITE OAK	2-3" CAL

- 1. All plants to meet A.A.N. Standards.
- 2. Landscape Contractor to follow Landscape Specification Guidelines for Baltimore-Washington Metro Area approved by LCAAW.
- 3. No substitutions to be made without consent of Landscape Architect.
- 4. All beds to be topped with 3" shredded hardwood mulch.
- 5. Landscape Contractor to verify location of utilities with owner before planting.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER *[Signature]* DATE 3-11-86

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR *[Signature]* DATE 5-13-86
CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROAD
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR *[Signature]* DATE 4-23-86
CHIEF, BUREAU OF MAINTENANCE

HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPER IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL
BY THE HOWARD SOIL CONSERVATION DISTRICT
[Signature] DATE 7/1/86
APPEAL TO HOWARD SOIL CONSERVATION DISTRICT

REVIEWED BY THE HOWARD SOIL CONSERVATION DISTRICT AND METS TECH CA.
REGULATORY DIVISION
[Signature] DATE
THE UNITED STATES SOIL CONSERVATION SERVICE

ADDRESS: _____
BUILDING #: _____
STREET ADDRESS: _____

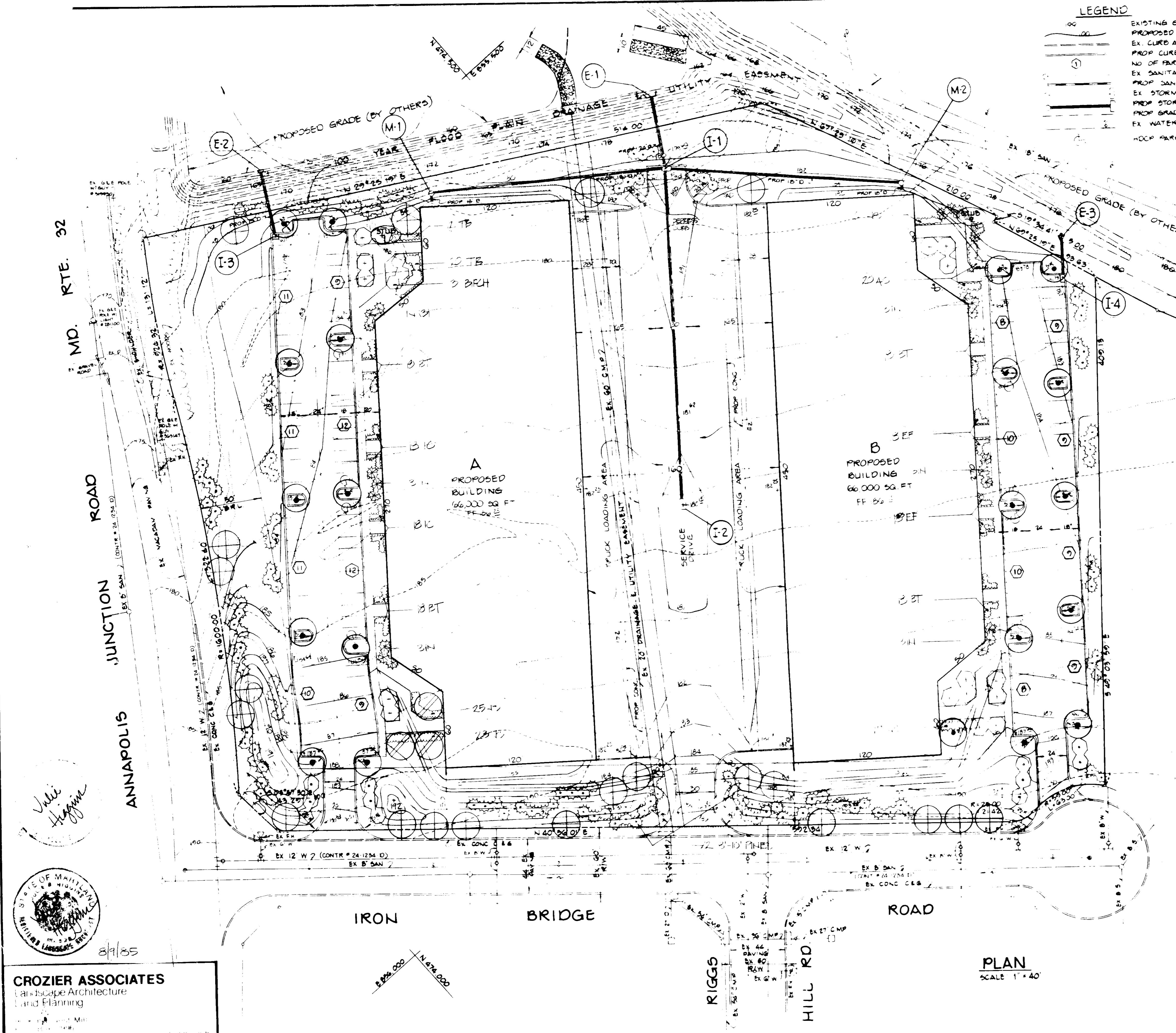
SUBMITTAL NO.	DATE	REVISIONS

REVISIONS
1. 9-17-85 RELAXE PLANTING

DESIGNED BY
DRAWN BY K.L.B.
CHECKED BY
REVISIONS

LANDSCAPE PLAN
-FOR-
CORRIDOR NORTH
TAX MAP 48 PARCEL B
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE 1" = 40' JULY 3, 1985 SHEET 5 OF 5

SDP-86-40



CROZIER ASSOCIATES
Landscape Architecture
Land Planning
8/9/85

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
373 A. EIGHENY AVENUE
TOWSON, MARYLAND 21284
(301) 825-8122

OWNER / DEVELOPER
JAMES F. KNOTT
DEVELOPMENT CO.
110 WEST ROAD
SUITE 203
TOWSON, MARYLAND 21204
(301) 321-6436

EMPLOYER
[Signature] James D. King
DATE 8-8-85

