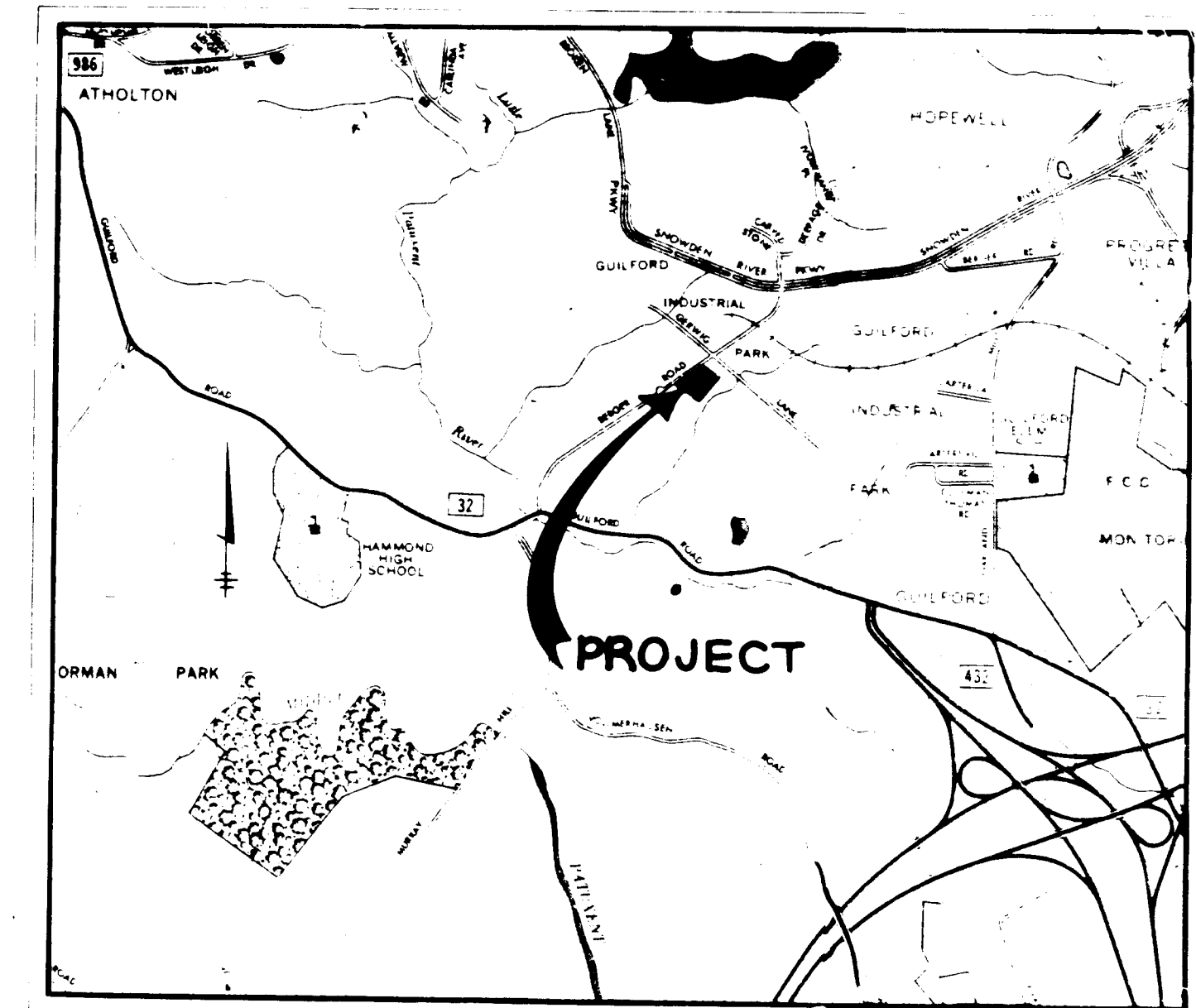


SHEET INDEX

NO.	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	STORM DRAIN PROFILES AND DETAILS
4	DRAINAGE AREA MAP AND SEDIMENT CONTROL PLAN
5	STORM WATER MANAGEMENT & SEDIMENT CONTROL DETAILS
6	PLANTING PLAN

SITE DEVELOPMENT PLAN MINI-WAREHOUSE FACILITY 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

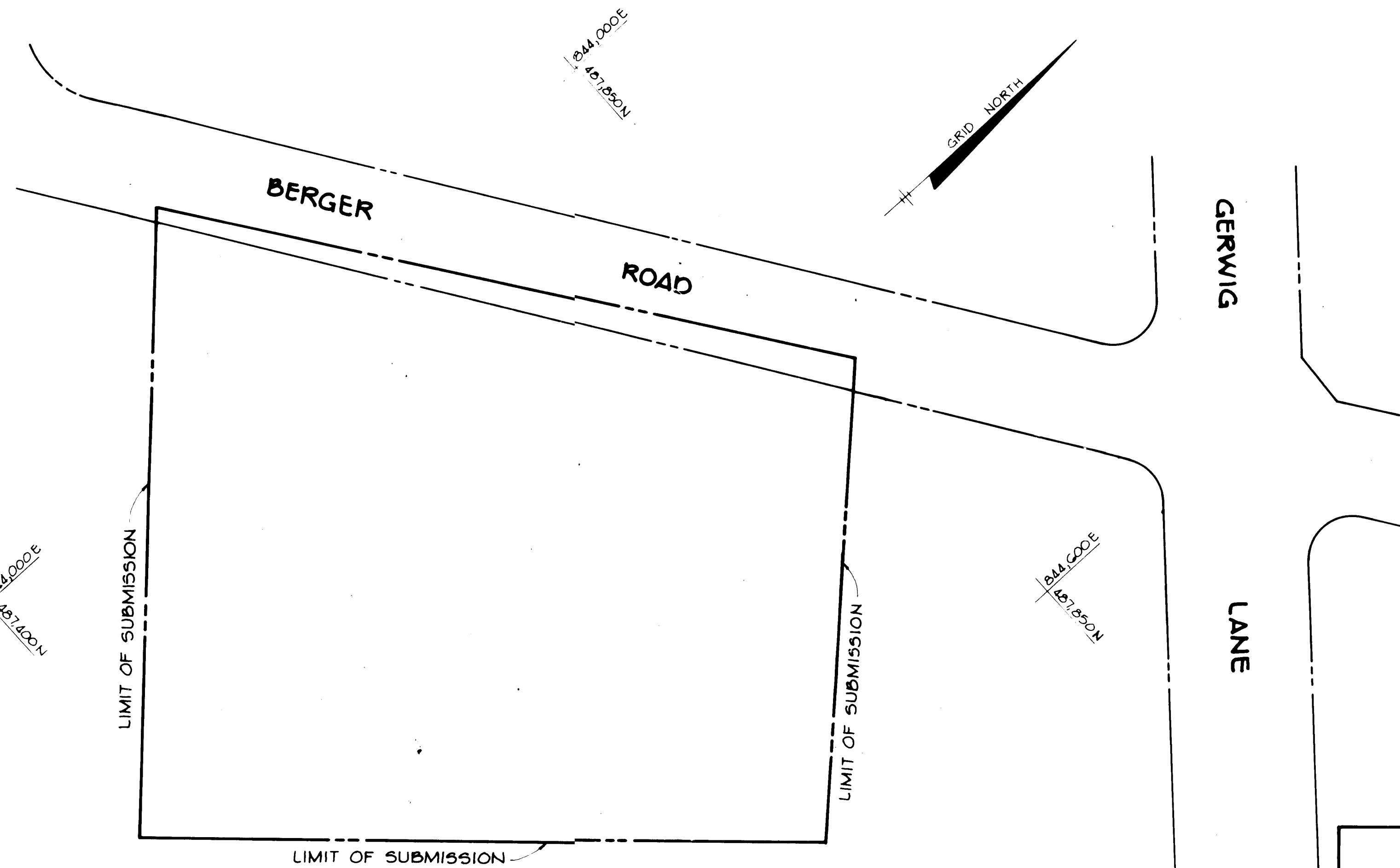


VICINITY MAP
Scale: 1" = 2,000'

GENERAL NOTES

- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- CORRUGATED STEEL PIPE SECTIONS WILL BE JOINED WITH A SINGLE OR TWO PIECE CORRUGATED BAND WITH A WATERTIGHT NEOPRENE GASKET. DIMPLED BAND CONNECTORS WILL NOT BE PERMITTED.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER. A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THIS/ THESE DRAWINGS:

C & P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS AND ELECTRIC COMPANY	685-0123
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION	992-2417/2418
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- EXTERIOR LIGHTING WILL BE ATTACHED TO BUILDINGS AND DIRECTED/REFLECTED AWAY FROM ADJACENT PUBLIC RIGHT-OF-WAYS AND RESIDENTIALLY ZONED PROPERTIES. SEE ARCHITECTURAL PLANS FOR TYPES AND LOCATIONS.
- RETAIL SALES SHALL NOT BE PERMITTED ON THIS SITE WITHOUT OFFICE OF PLANNING AND ZONING APPROVAL.



SITE DATA

Total Area	2.89 Acres
Existing Zoning	M-1
Existing Building Use	Warehouse Management
Parking - 2 Employee @ 1 space/2 employees (Maximum 2 employees per shift)	Required: 4 Provided: 4
Proposed Building Usage	MANUFACTURING, REPAIR, SERVICE, OFFICE, RETAIL SALES, OTHER USES (EXCEPT STORAGE) AND ADDITIONAL PERSONNEL SHALL NOT BE PERMITTED ON THIS SITE WITHOUT OFFICE OF PLANNING AND ZONING APPROVAL.
Proposed Building Areas	
1	3360 square feet
2	3120 square feet
3	3360 square feet
4	3360 square feet
5	2280 square feet
6	2280 square feet
7	3960 square feet
8	4200 square feet
9	4440 square feet
10	2280 square feet
11	5280 square feet
Total	37920 square feet
Total Proposed Building Coverage	301
Open Space	Required: 205 Provided: 205
LANDSCAPED AREA (excl. Berger Rd. widening)	Required: (25,176) Provided: (25,176)
Impervious Area	2.31 Ac
Revegetated Area	0.58 Ac

PLAN
SCALE: 1" = 50'

ADDRESS CHART	
PARCEL NO.	STREET ADDRESS
173	2507 BERGER ROAD

APPROVED
DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-10-83
M.G.P.

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
George F. Nemy 1-25-84
 DIRECTOR
William S. Raley 1-25-84
 CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY PLANNING AND ZONING ADMINISTRATION
Donald L. Amis 2-1-84
 PLANNING DIRECTOR
John W. Whelan 1-31-84
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
James P. Lee 1-30-84
 COUNTY HEALTH OFFICER

DATE	NO.	REVISION

OWNER: GARNETT BEAN & AARON COMPANY, INC.
12655 LIME KILN ROAD
FULTON, MARYLAND 20765

DEVELOPER: MINI-STORAGE OF COLUMBIA LIMITED PARTNERSHIP
WILD LAKE VILLAGE GREEN
COLUMBIA, MARYLAND 21044

PROJECT: MINI-WAREHOUSE FACILITY

AREA: RECORD PLAT RECORDING REFERENCE NO 072/722
6TH ELECTION DISTRICT TAX MAP NO 42
HOWARD COUNTY, MARYLAND

TITLE: TITLE SHEET

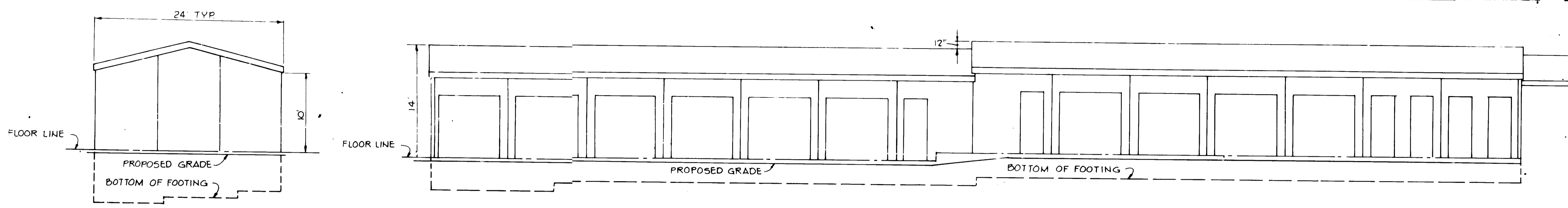
THE RIEMER GROUP, INC.
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
8659 Baltimore National Pike, Ellicott City, Maryland 21041 801-461-2699

1-5-84 DATE

 PARCEL 173
 DESIGNED BY M.G.P.
 DRAWN BY D.A.M.
 PROJECT NO 2880
 DATE SEPT 9, 1983
 SCALE: AS SHOWN
 DRAWING NO. 1 OF 6

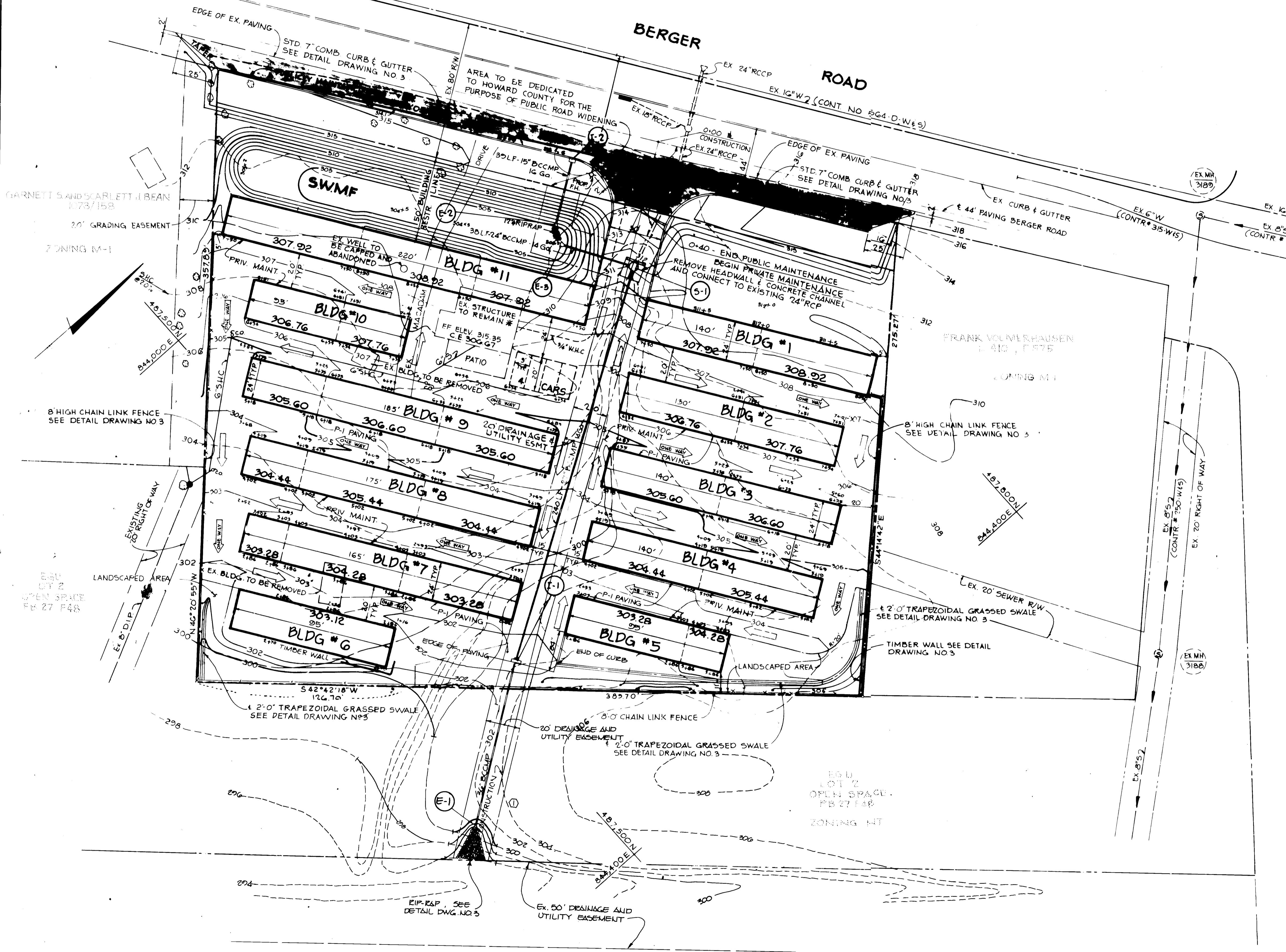
SUBMISSION NAME	SECT / AREA	PARCEL #
MINI-WAREHOUSE FACILITY	N/A	173
L/F	BLOCK	ZONE
072/722	2	M-1
TAX	ZONE MAP	EC DIST
42	GTH	6001.03
WATER CODE	SEWER CODE	

EXISTING HOUSE TO UNDERGO RENOVATION. ALL HANDICAPPED FACILITIES WILL BE INCLUDED IN THE RENOVATION AND SHOWN ON THE ARCHITECTURAL PLANS.



TYPICAL WEST ELEVATION
Scale: 1/8"=1'-0"

TYPICAL SOUTH ELEVATION
Scale: 1/8"=1'-0"



APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND STREET ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
George E. Nemy 1-25-84
DIRECTOR

APPROVED: FOR ZONING AND PLANNING.
James L. Harris 2-1-84
PLANNING DIRECTOR
John W. Muschman 1-31-84
DEPT. OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John P. ... 1-30-84
COUNTY HEALTH OFFICER

4-10-83	(2)	REMOVE C&G, REVISE EDGE OF PAVING
4-7-83	(1)	REVISE PIPE FROM I-1 TO B-1
DATE	NO	REVISION
OWNER: GARNETT BEAN, ARRON COMPANY INC, 12056 LIME KILN ROAD, FULTON, MARYLAND 20750		
DEVEL: MINI-STORAGE OF COLUMBIA LIMITED PARTNERSHIP, SUITE 300, WILD LAKE VILLAGE GREEN, COLUMBIA, MARYLAND 21044		
PROJECT: MINI-WAREHOUSE FACILITY, PAR. 173		
AREA: RECORD PLAT RECORDING REFERENCE NO 072/722, 6TH ELECTION DISTRICT, TAX MAP NO 42, HOWARD COUNTY, MARYLAND		
TITLE: SITE DEVELOPMENT PLAN		

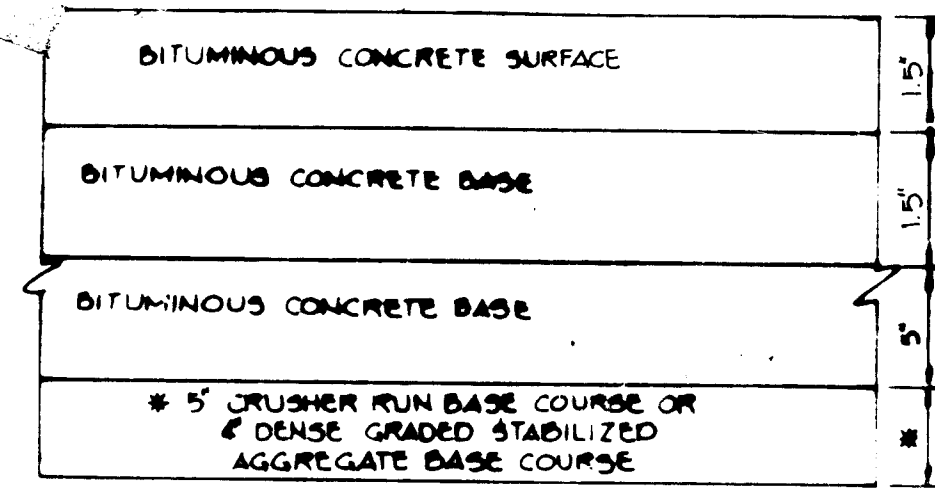
APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-10-83
M. G. R.

THE RIEMER GROUP, INC.
The Riemer Group, Inc. - A Land Planning, Design & Civil Engineering Firm
8659 Baltimore National Pike, Ellicott City, Maryland 21041 (301) 461-2991

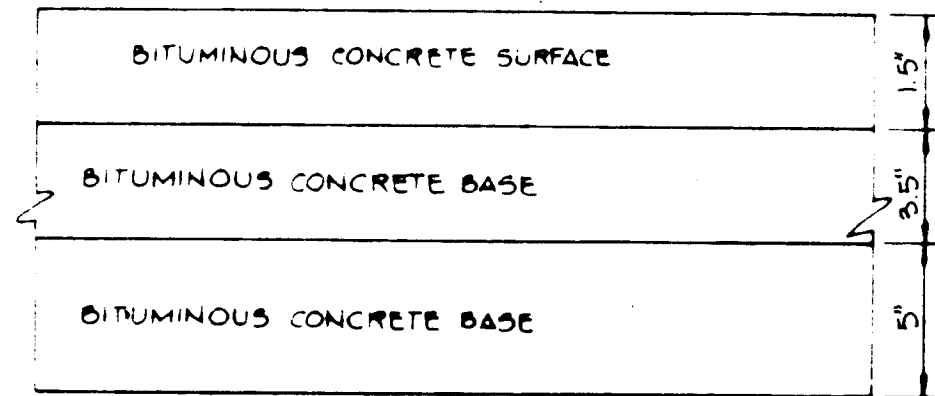
1-5-84

PARCEL 173
DESIGNED BY M.G.R.
DRAWN BY L.S.T.
PROJECT NO 2880
DATE SEP 8, 1983
SCALE 1"=30'
DRAWING NO. 2 OF 6

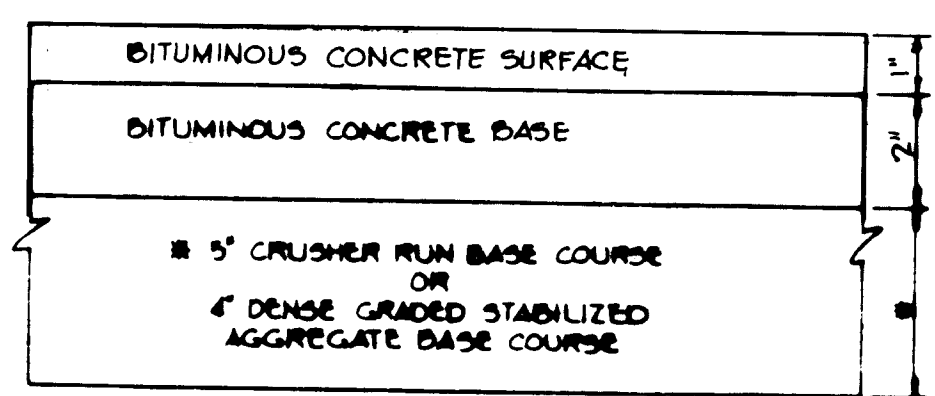
Arthur E. Muzge



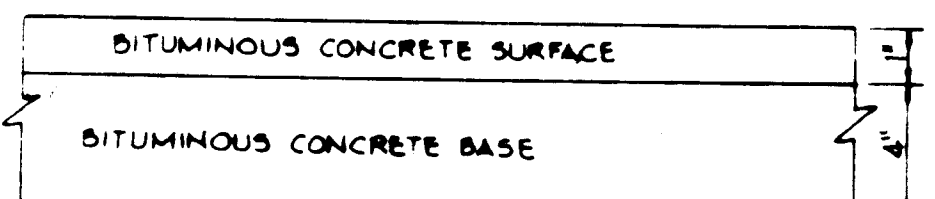
(ALTERNATE PAVING)



(PUBLIC ROAD)
(10" PAVING - P-4)

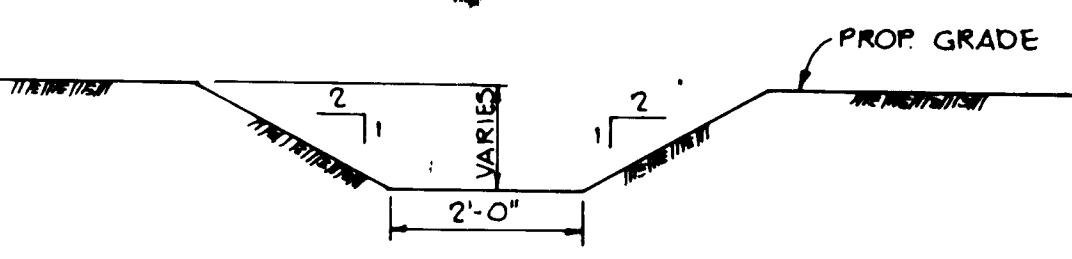


(ALTERNATE PAVING)

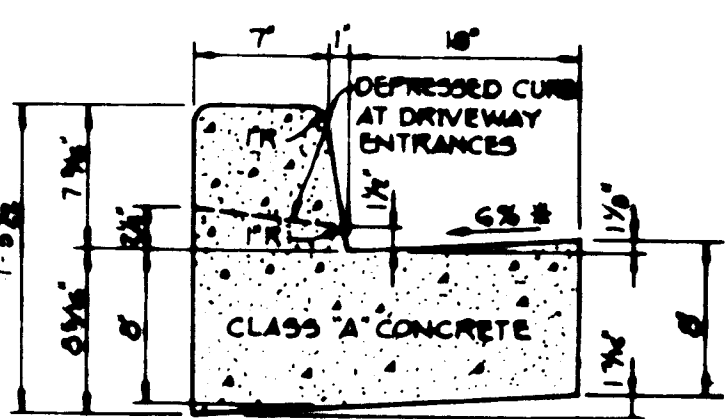


(PRIVATE DRIVE AND PARKING)
(5" PAVING - P-1)

TYPICAL PAVING SECTIONS
No Scale



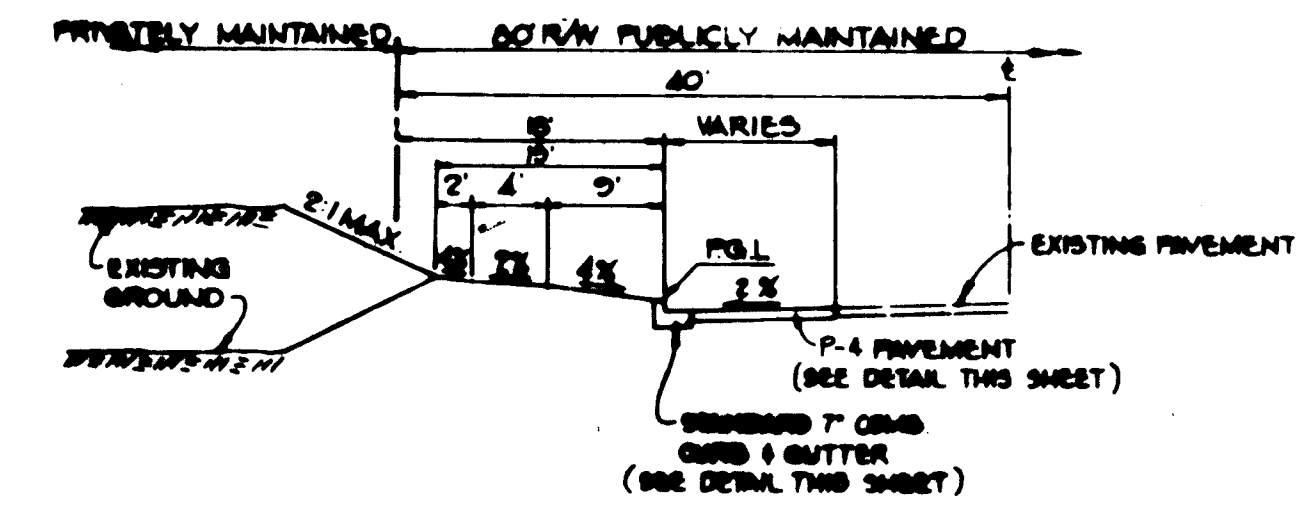
TRAPEZOIDAL GRASSED SWALE
Scale: 1/4" = 2'



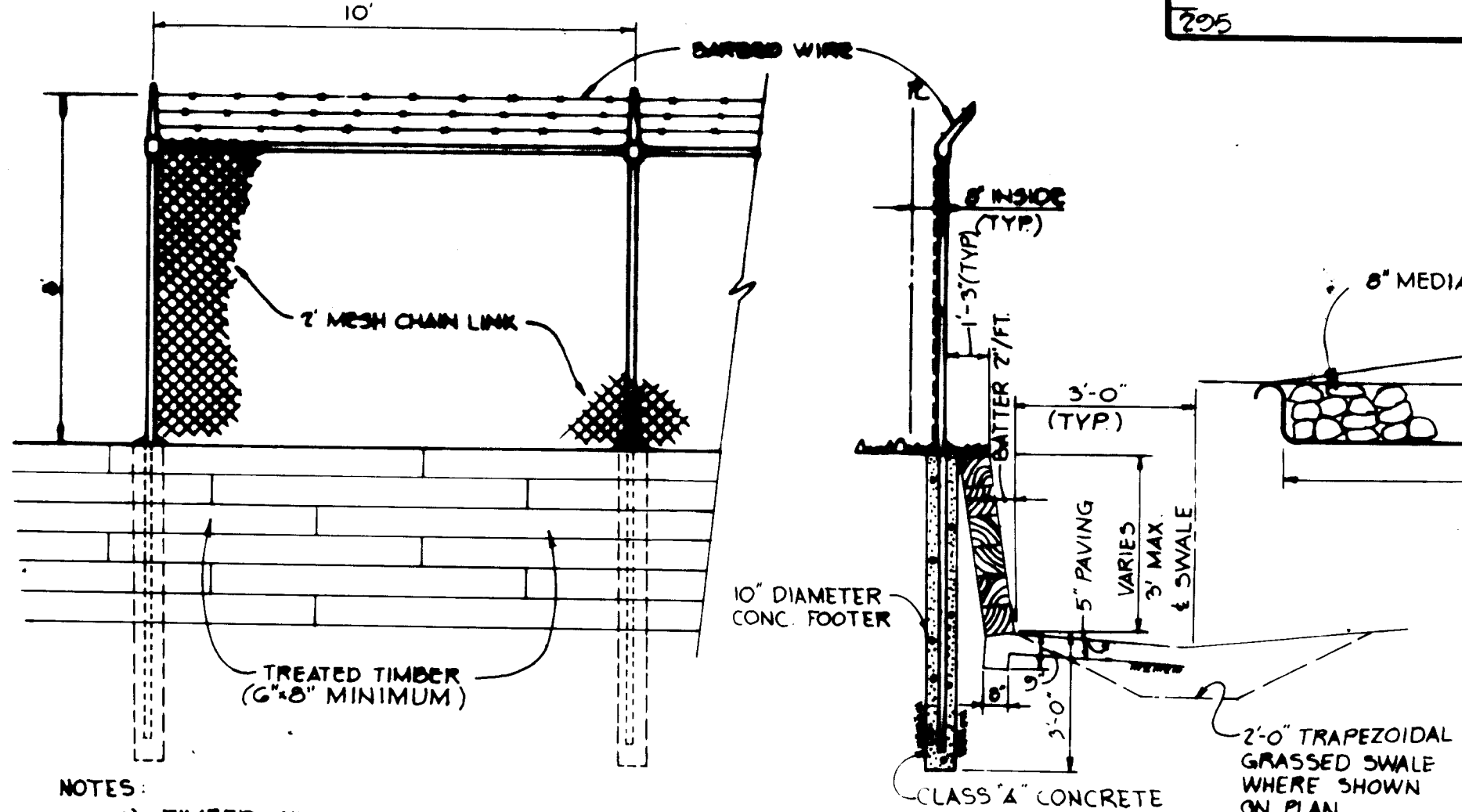
HOWARD COUNTY DESIGN MANUAL VOLUME III - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-301)

* GUTTER FIN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

STANDARD 7" COMBINATION CURB AND GUTTER
No Scale

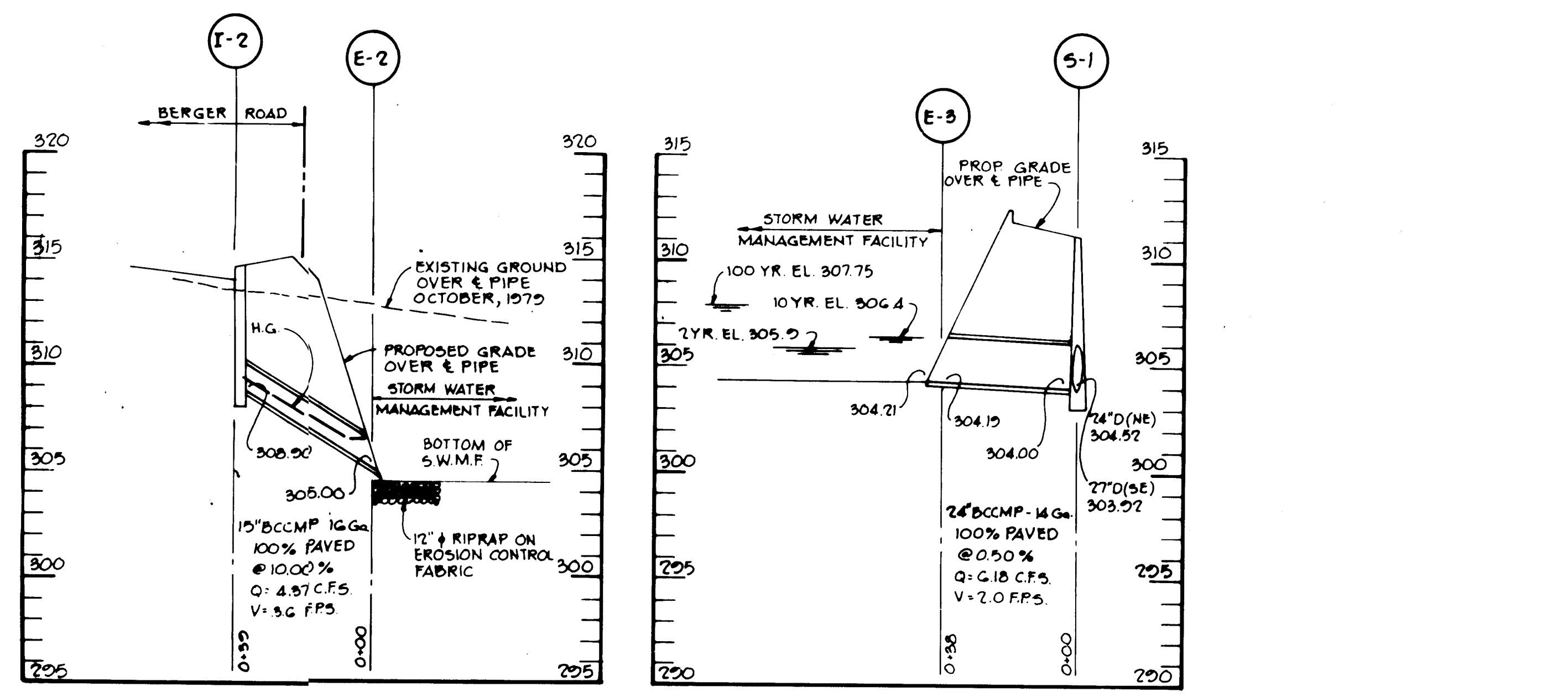
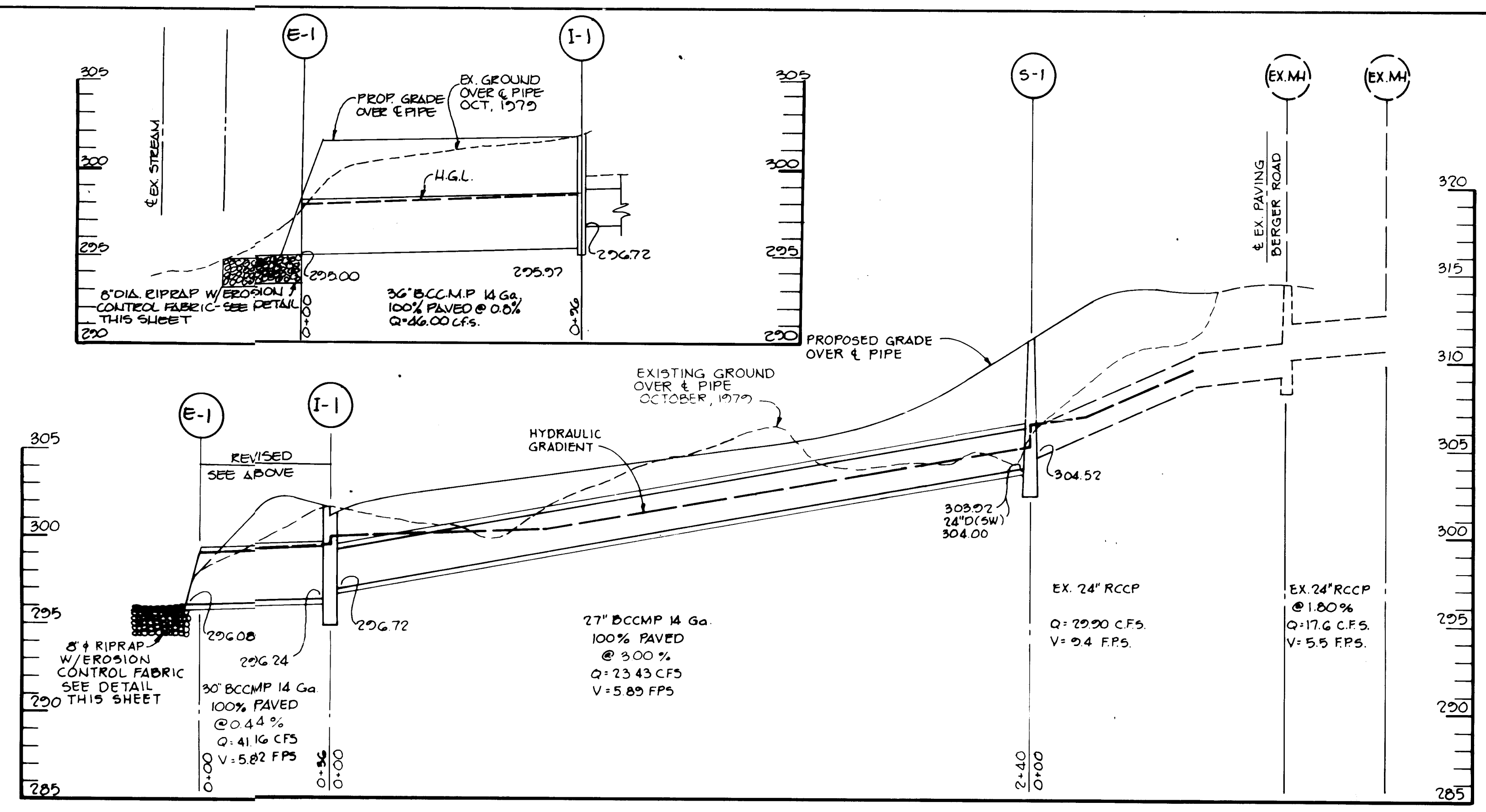


TYPICAL SECTION FOR BERGER ROAD WIDENING
No Scale

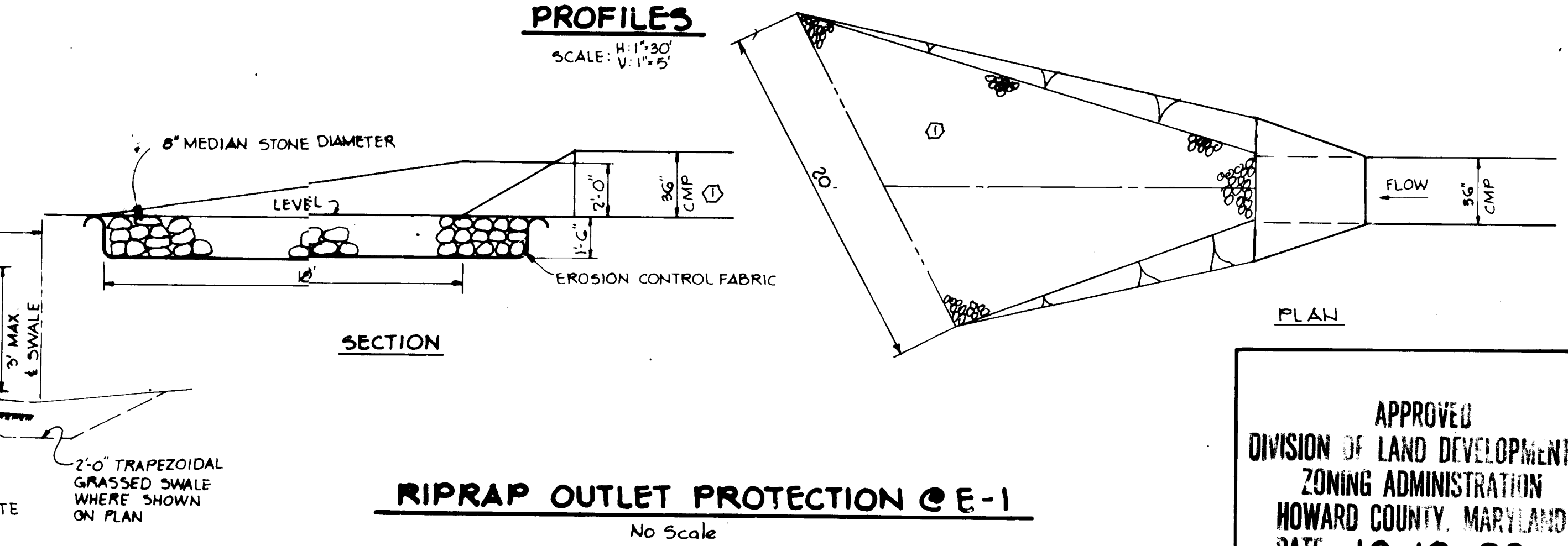


- NOTES:
- 1) TIMBER WALL TO BE BUILT AND STABILIZED BEFORE FENCE INSTALLATION BEGINS
 - 2) TIMBERS TO BE TOE NAILED AT ENDS WITH 3/8" GAGE ROUND WIRE SPIKES 8'-10" LONG. SPIKES TO BE POSITIONED SO THAT ADJACENT R.R. TIE BUTTS FLUSH MAKING A TIGHT SEAM

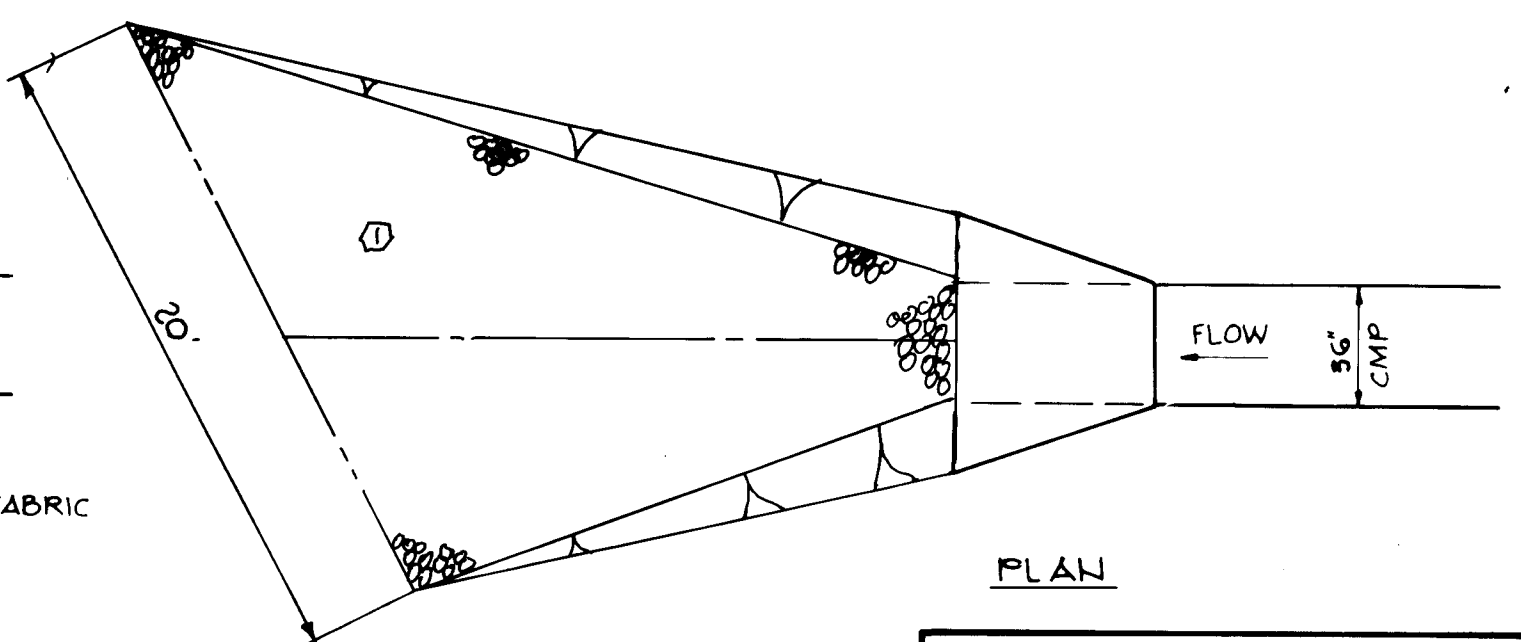
6' FENCE/TIMBER WALL
No Scale



PROFILES
SCALE: V. 1" = 5'



RIPRAP OUTLET PROTECTION @ E-1
No Scale



APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-10-83
M.B. / J.M.M.

APPROVED FOR ERECTION, WATER, FUEL, AND SEWERAGE SYSTEMS, DRAINAGE SYSTEMS, AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
George F. Nemoy 1-25-84
Director
R. J. W. 1-25-84
Chief, Bureau of Engineering

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas A. Harris 2-1-84
PLANNING DIRECTOR
John W. Mueselmann 1-31-84
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR ERECTION, WATER AND FUEL SYSTEMS, SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Joseph Rogers 1-31-84
CHIEF HEALTH OFFICER

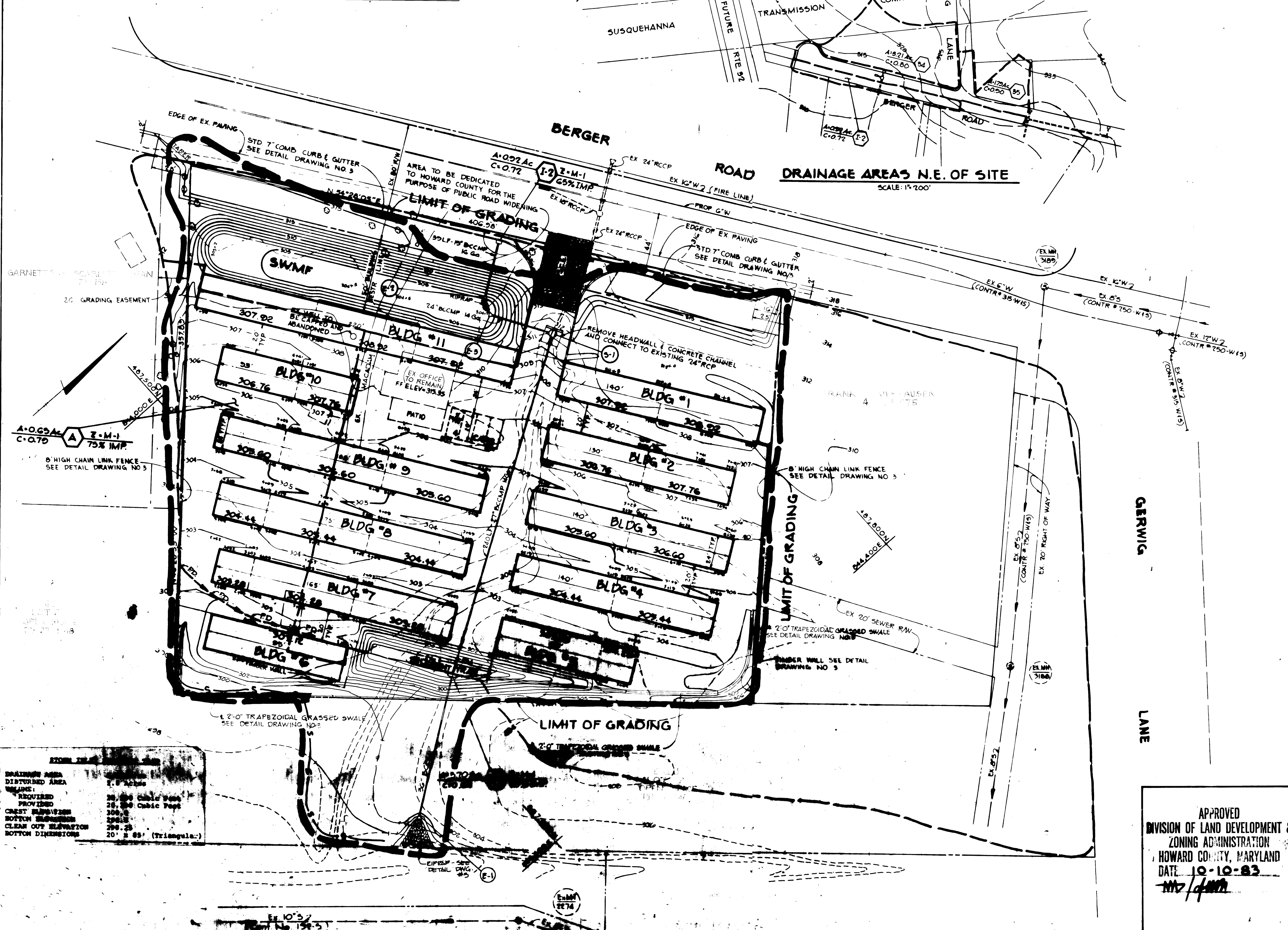
4-10-83	SHOW PROP 36" BCCMP OUTFALL EXTENSION
DATE NO.	REVISION
OWNER	GARNETT BEZEL % A. ARCH COMPANY, INC 12655 LIME KILL ROAD FULTON, MARYLAND 20750
DEVELOPER	MINI-STORAGE OF COLUMBIA LIMITED PARTNERSHIP SUITE 300 WILD LAKE VILLAGE GREEN COLUMBIA, MARYLAND 21044
PROJECT	MINI-WAREHOUSE FACILITY PAR. 173
AREA	RECORDS PLAT RECORDING REFERENCE NO 972/722 6TH ELECTION DISTRICT TAX MAP NO 42 HOWARD COUNTY, MARYLAND
TITLE	STORM DRAIN PROFILES AND DETAILS

THE RIEMER GROUP, INC.
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
8659 Baltimore National Pike, Ellicott City, Maryland 21043 801 461-2690

1-5-84
DATE
PARCEL 173
DESIGNED BY: R. J. W.
DRAWN BY: T. E. S.
PROJECT NO: 2800
DATE: SEPT. 8, 1983
SCALE: AS SHOWN
DRAWING NO. 3 OF 6

Arthur E. Nemoy

STRUCTURE SCHEDULE					
TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEVATION	DESCRIPTION
I-1	TEMPLE W-E	Sta. 3+12.9' Rt.	296.75	299.90	SHA STD. MD-374.06
I-2	A-5	Sta. 0+22.46 Rt.	-	308.90	HC STD. SD 4.01
E-1	24" Metal End Section	Sta. 0+22.46 Rt.	-	308.90	HC STD. SD 2.82
E-2	15" Metal End Section	Sta. 0+61.47 Rt.	-	305.00	HC STD. SD 5.61
E-3	24" Metal End Section	Sta. 0+72.39 Rt.	-	304.19	HC STD. SD 5.61
S-1	Storm Water Management Control Structure	See Plan	304.52	303.92	See Detail Drawing No. 5
E-51	36" METAL END SECTION	SEE PLAN	-	299.20	HO. Co. STD. SD 5.61



ITEM	REMARKS
1	STORM WATER MANAGEMENT CONTROL STRUCTURE
2	24\"/>

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

James M. Miller 1-19-84
S.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED: *[Signature]* 1-19-84
HOWARD S.C.D. DATE
SDP-84-58 PLAN NUMBER

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Arthur E. Muegg 1-5-84
DATE

BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

Edward Bean 1-9-84
DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEM, AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Jeffrey E. Nemy 1-2-84
DIRECTOR DATE

William E. Reilly 1-25-84
CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas G. Arrighi 2-1-84
PLANNING DIRECTOR DATE

John W. Marshall 1-31-84
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

Joyellen Poyler 1-30-84
HEALTH OFFICER S.S. DATE

DATE	NO.	REVISION
4-10-83	2	REVISED I-1, TEMPLE W-E
4-10-83	1	REVISED PIPE FROM I-1 TO E-1

OWNER: GARNETT BEAN & AARON COMPANY, INC.
12655 LIME KILL ROAD
FULTON, MARYLAND 20750

DEVELOPER: MINI-STORAGE OF COLUMBIA LIMITED PARTNERSHIP
SUITE 300
WILD LAKE VILLAGE GREEN
COLUMBIA, MARYLAND 21044

PROJECT: MINI-WAREHOUSE FACILITY
PAR 173

AREA: RECORD-PLAT RECORDING REFERENCE NO. 272/722
6TH ELECTION DISTRICT TAX MAP NO. 42
HOWARD COUNTY, MARYLAND

TITLE: GRADING PLAN, DRAINAGE AREA MAP AND SEDIMENT CONTROL PLAN

THE RIEMER GROUP, INC.
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
8659 Baltimore National Pike, Ellicott City, Maryland 21043 301-461-2600

1-5-84
APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 10-10-83
[Signature]

PARCEL 173
DESIGNED BY: M.G.R.
DRAWN BY: L.S.T.
PROJECT NO: 2080
DATE: SEPT. 8, 1983
SCALE: 1"=30'
DRAWING NO. 4 OF 6

SEDIMENT CONTROL CONSTRUCTION NOTES
GENERAL NOTES

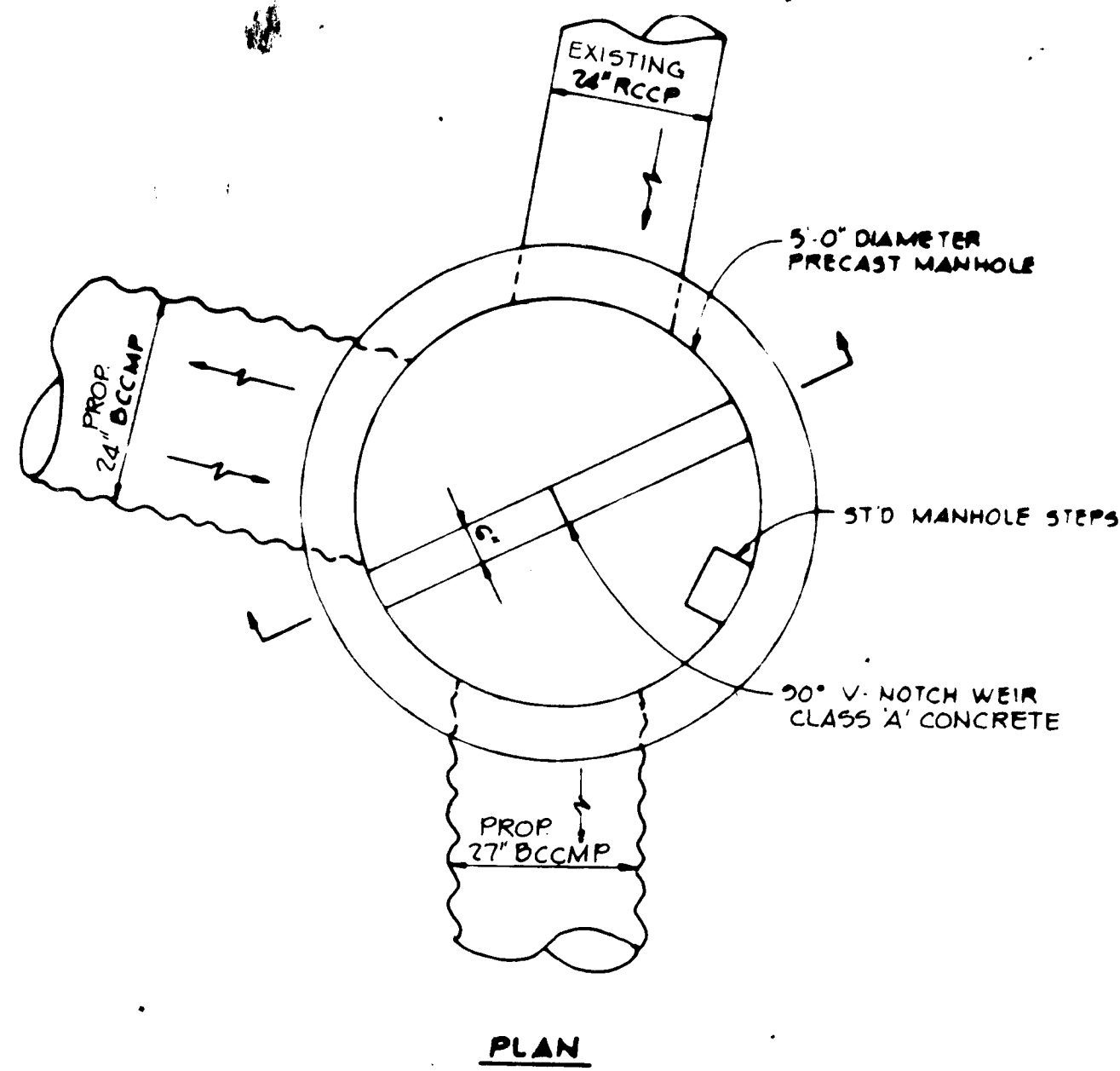
- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (922-2075).
- ALL SEDIMENT CONTROL STRUCTURES WILL BE INSTALLED IN ACCORDANCE WITH "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS" AS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- ALL DISTURBED AREAS ARE TO BE DRESSED AND STABILIZED ACCORDING TO THE TEMPORARY OR PERMANENT SEEDING SCHEDULES AS SOON AS PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- FERTILIZER AND LIME RATES MAY BE CHANGED THROUGH AUTHORIZATION BY THE HOWARD SOIL CONSERVATION DISTRICT IF SOIL TESTS DETERMINE A REDUCTION IN THE SPECIFIED RATES IS JUSTIFIED.
- 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.
- REFERENCES CALLED FOR ON THE SEDIMENT CONTROL CONSTRUCTION PLAN AND DETAILS ARE MADE TO "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS".
- SEDIMENT CONTROL WILL BE INSTALLED BEFORE CLEARING AND GRUBBING REMAINDER OF SITE.

TEMPORARY SEEDING

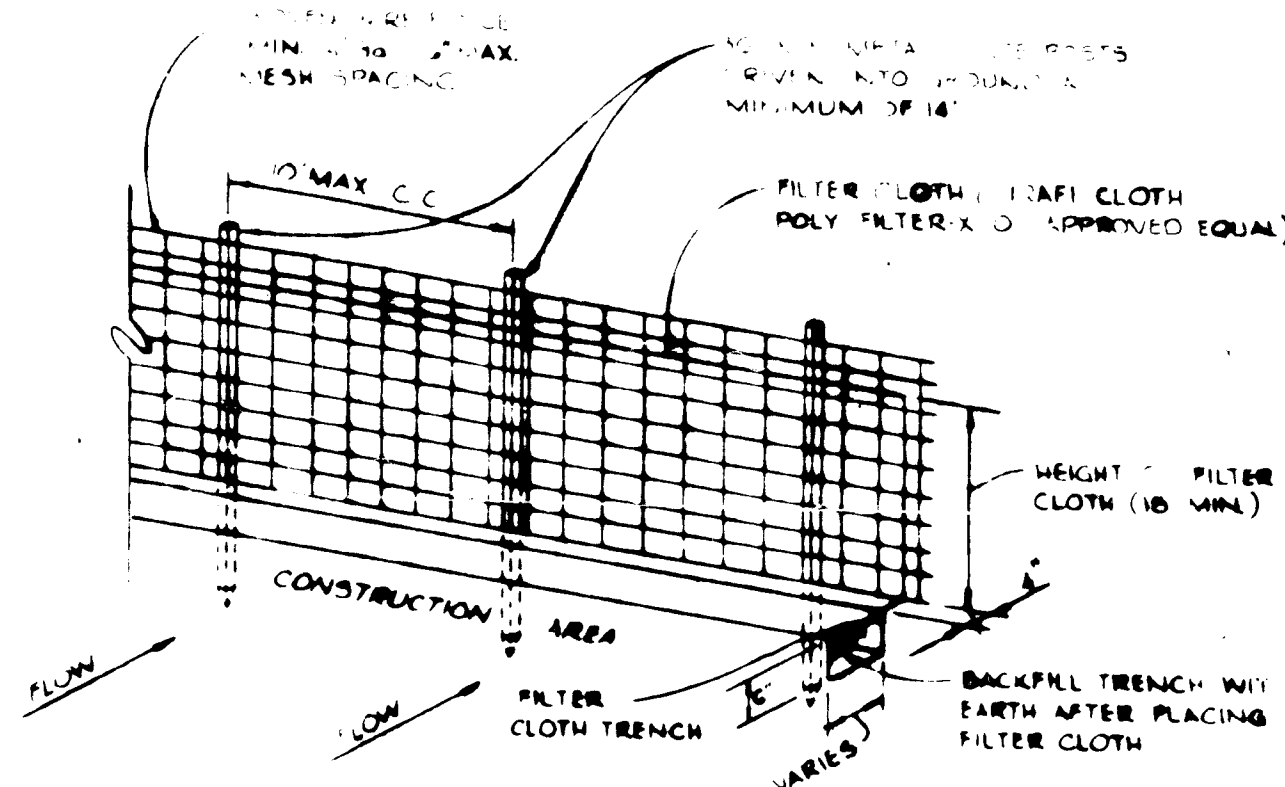
- AREA TO BE SEEDD SHALL BE RECENTLY LOOSENEED. IF THE GROUND IS PACKED, CRUSTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENEED BY DISCING, RACKING OR OTHER ACCEPTABLE MEANS.
- APPLY 10-20-20 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 500 LBS. PER ACRE OR 15 LBS. PER 1000 SQ. FT.
 - WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON PER ACRE.
 - WORK BOTH INTO SOIL AND SEED WITH CYCLONE SEEDER, DRILL, CULTIPAKER SEEDER OR HYDROSEEDER (SLURRY WILL INCLUDE SEED AND FERTILIZER) AT THE RATE OF 40 LBS. PER ACRE OF ITALIAN OR PERENNIAL RYEGRASS.
 - MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.

PERMANENT SEEDING

- FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT. AS FOLLOWS:
- APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS PER ACRE (ONE TON PER ACRE IF APPLICATION OF TON PER ACRE WAS MADE FOR TEMPORARY SEEDING).
 - APPLY 0-20-20 FERTILIZER AT THE RATE OF 500 LBS. PER ACRE HARROW OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAWS IN HIGH MAINTENANCE AREAS WILL BE DRAGGED AND LEVELED WITH A YORK RAKE. AT THE TIME OF SEEDING APPLY 400 POUNDS OF 38-0-0 UREAFORM FERTILIZER AND 500 LBS. OF 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
 - SEED WITH A MIXTURE OF CERTIFIED "MERIDON" KENTUCKY BLUEGRASS - 40 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; RED FESCUE, PENNLAWN OR JARRESTOWN @ 20 LBS. PER ACRE.
 - MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.
 - SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE @ 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA @ 15 LBS. PER ACRE.

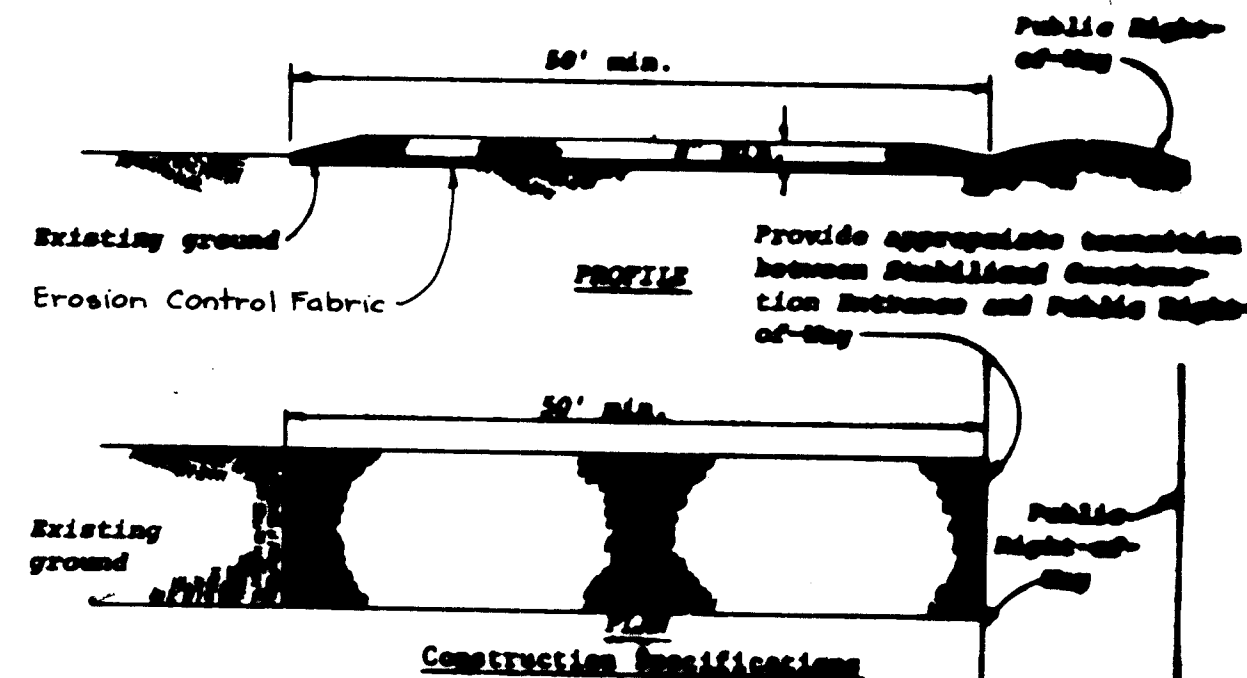


DETAIL - STORM WATER MANAGEMENT CONTROL STRUCTURE S-1
SCALE: 1" = 2'



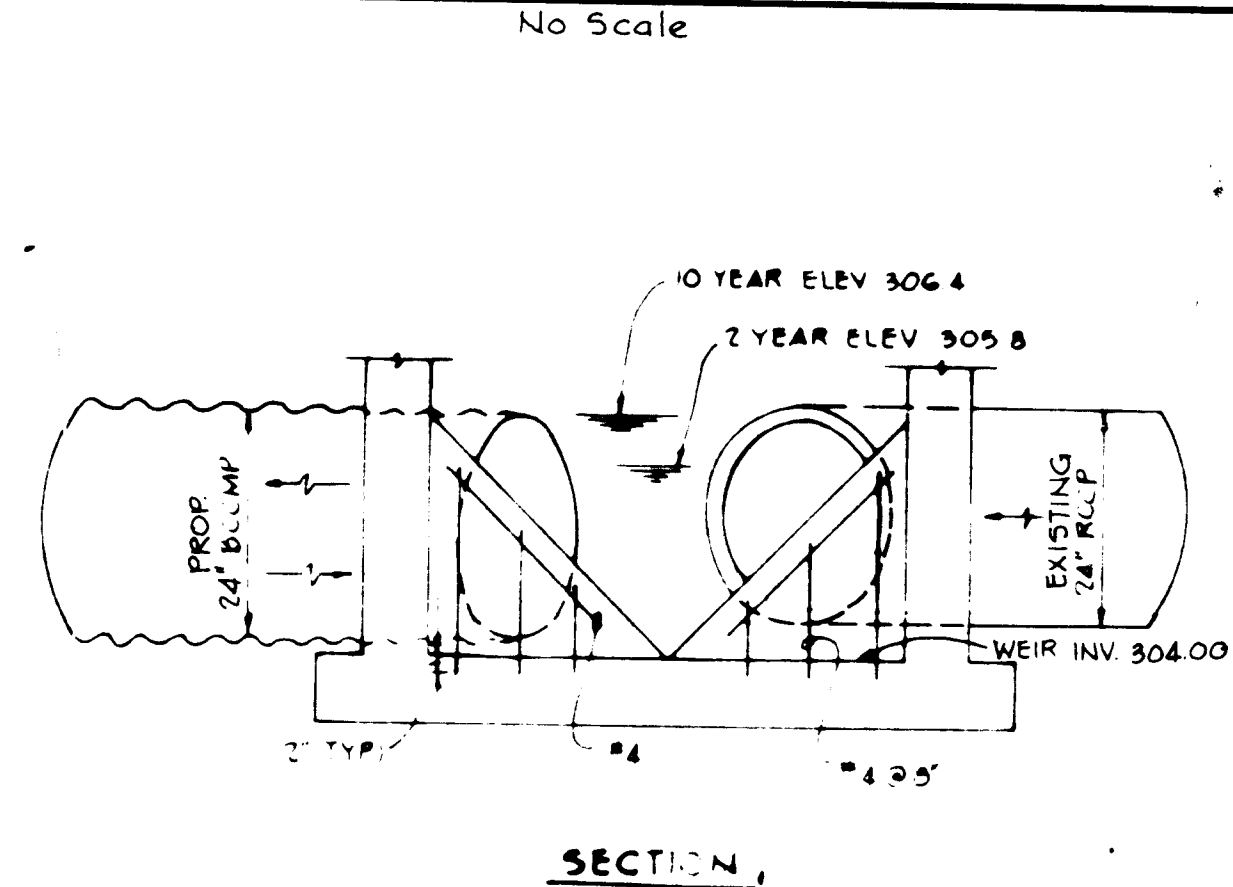
- NOTES:**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS BY USE OF WIRE TIES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE BY USE OF WIRE TIES SPACED EVERY 24" 24".
 - SET FENCE TO BE PLACED IN LIEU OF STRAW BALS AND/OR OVERSEEDING AT THE OPTION OF THE DEVELOPER.

SILT FENCE DETAIL
No Scale



- Construction Specifications:**
- Stone size - Use USDA size No. 2 (2-1/2" to 1") or ASTM designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
 - Length - As effective, but not less than 50 feet.
 - Thickness - Not less than eight (8) inches.
 - Width - Not less than full width of all points of ingress or egress.
 - Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.

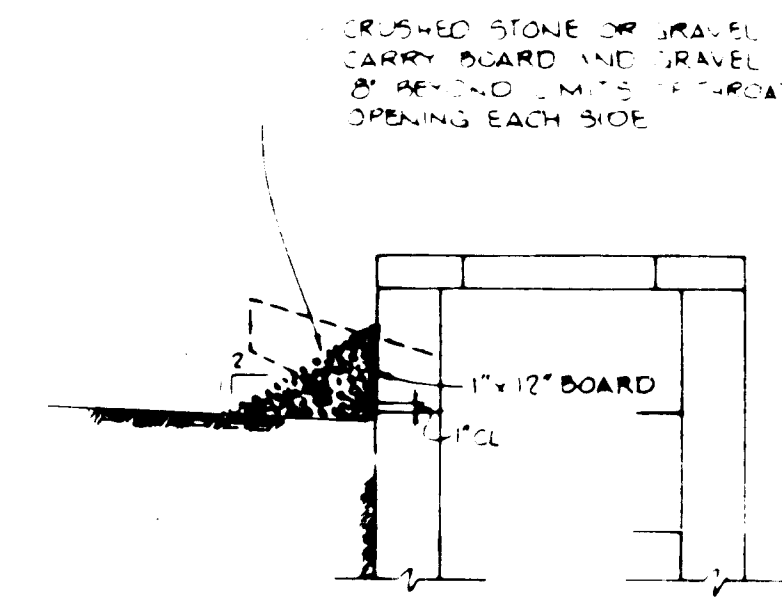
PERIMETER DIKE
No Scale



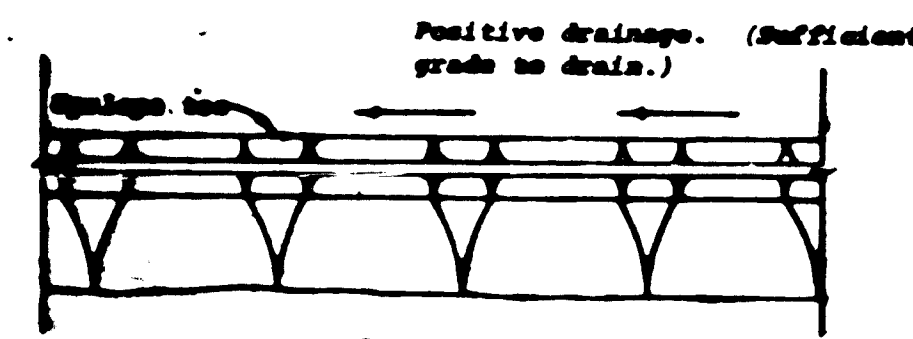
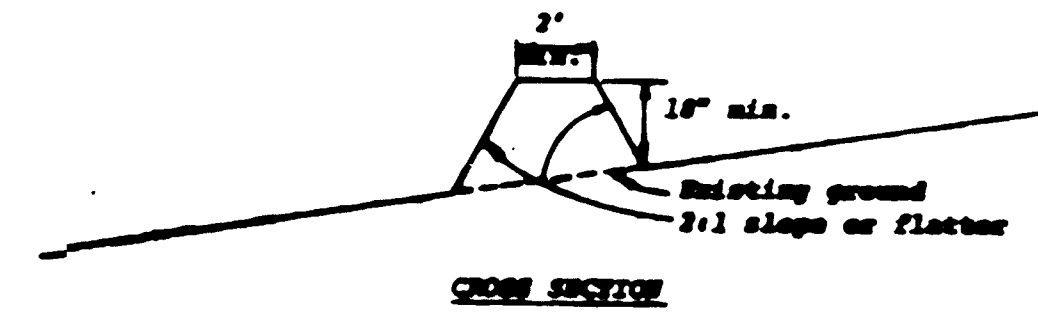
STABILIZED CONSTRUCTION ENTRANCE
No Scale

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- CONSTRUCT STORM DRAIN FROM E-1 THRU S-1 CONNECTING TO EXISTING 24" DRAIN. BACKFILL STORM DRAIN TO PROVIDE PROTECTION TO THE PIPE DURING GRADING OPERATIONS. STRAW BALES ACROSS TRENCH SHALL BE USED, AS NECESSARY, FOR TEMPORARY SEDIMENT CONTROL DURING STORM DRAIN CONSTRUCTION.
- INSTALL MODIFIED STORM INLET SEDIMENT TRAP AND SEED AS PER TEMPORARY SEEDING NOTES. INSTALL PERIMETER DIKE AND SILT FENCE.
- INSTALL STORM WATER MANAGEMENT FACILITY AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- GRADE SITE WITHIN LIMIT OF GRADING AND SEED PER TEMPORARY SEEDING NOTES.
- CONSTRUCT REMAINING STORM DRAIN AND WATER AND SEWER SERVICE CONNECTIONS.
- CONSTRUCT BUILDINGS.
- DEWATER, REMOVE SILT AND BACKFILL TRAPS IMMEDIATELY PRIOR TO INSTALLING CURB AND GUTTER AND PAVING. BLOCK INLET 1-1 AS PER BLOCKING DETAIL THIS SHEET.
- INSTALL CURB AND GUTTER AND PAVING.
- UPON APPROVAL BY THE SOIL CONSERVATION DISTRICT, REMOVE ALL SEDIMENT CONTROL DEVICES AND SEED IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.



TYPICAL INLET BLOCKING DETAIL
No Scale



PERIMETER DIKE
No Scale

- All dikes shall be machine compacted.
- All perimeter dikes shall have positive drainage to an outlet.
- Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
- Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as sediment trap or a sediment basin or to an area protected by any of these practices.
- Stabilization, when required, shall be done in accordance with Standard and Specifications for Graded Waterway. The minimum area to be stabilized shall be the minimum flow area.
- Periodic inspection and required maintenance shall be provided.

* Drainage area less than 5 acres

PERIMETER DIKE
No Scale

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

John E. Muggs 1-19-89
DATE

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

John E. Muggs 1-19-89
DATE

BY THE ENGINEER:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

John E. Muggs 1-19-89
DATE

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

James D. Ben 1-9-89
DATE

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

George F. Nemes 1-19-89
DATE

William E. Roney 1-25-89
DATE

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

John W. Harris 2-1-89
DATE

John W. Harris 1-31-89
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

Joseph Bylles 1-30-89
DATE

DATE NO REVISION

OWNER: GARNET BEAL & AARON COMPANY INC. 12655 LIME KILN ROAD FULTON, MARYLAND 20750

DEVELOPER: MINI-STORAGE OF COLUMBIA LIMITED PARTNERSHIP SUITE 300 WILDE LAKE VILLAGE COLUMBIA, MARYLAND 21044

PROJECT: MINI-WAREHOUSE FACILITY PAR. 173

AREA: RECORD PLAT RECORDING REFERENCE NO 272/722 6TH ELECTION DISTRICT TAX MAP NO 42 HOWARD COUNTY, MARYLAND

TITLE: STORM WATER MANAGEMENT AND SEDIMENT CONTROL DETAILS

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-10-83
MS/AWM

THE RIEMER GROUP, INC.

The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
8659 Baltimore National Pike, Ellicott City, Maryland, 21041 301-461-2691

1-5-89 PARCEL 173

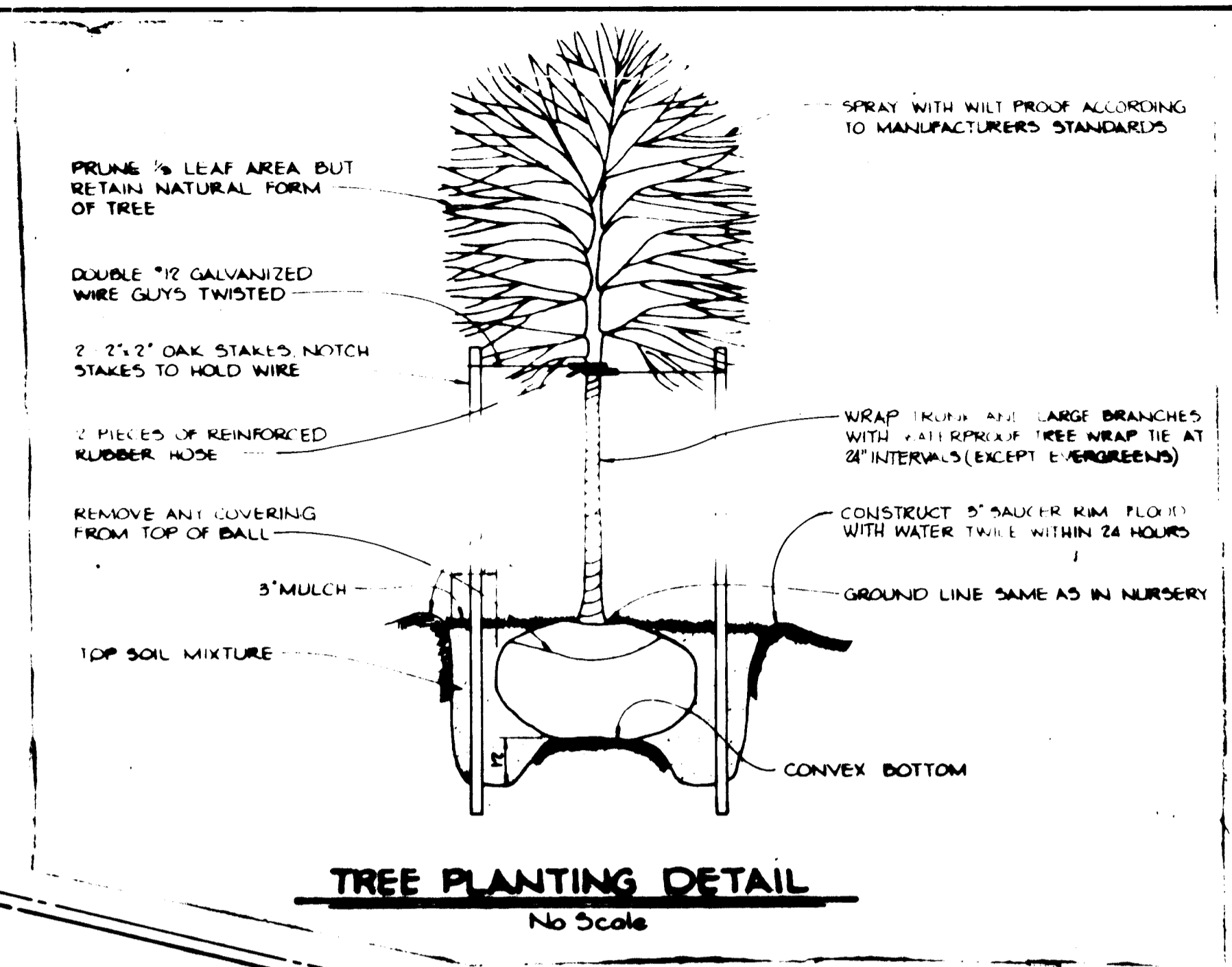
DESIGNED BY R.J.W.

DRAWN BY T.E.S.

PROJECT NO 2800

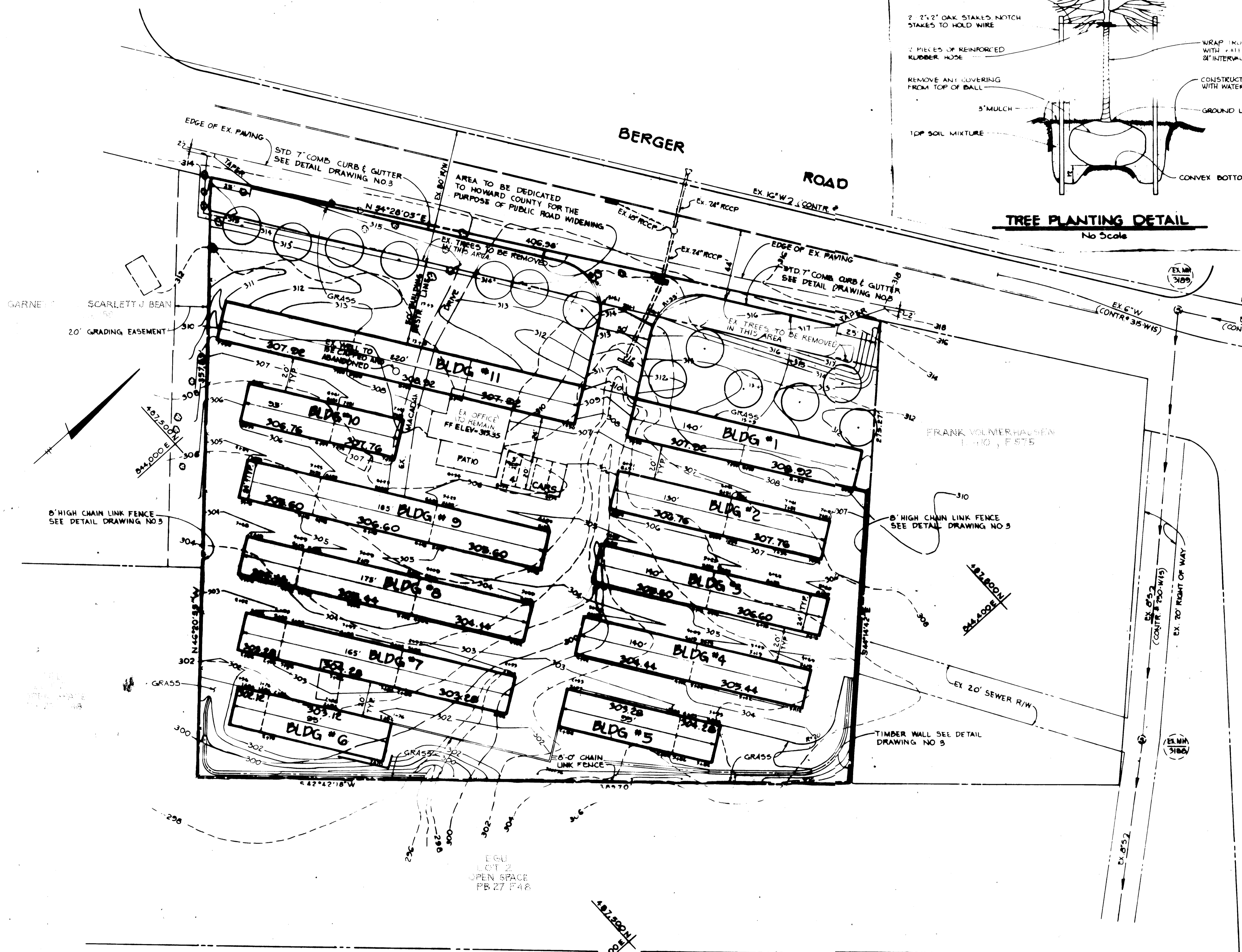
DATE SEPT 8, 1983

SCALE AS SHOWN
DRAWING NO 5 OF 6



PLANTING SC		SPECIFICATIONS			
QUANTITY	SYMBOL	PLANT NAME	MIN. CAL.	ROOT	HEIGHT
13	(Symbol: circle with a dot)	Shade Trees: Acer rubrum Quercus palustris Quercus borealis Platanus acerifolia Liquidambar styraciflua	2 1/2"	3/8"	10'-15'

Street Trees - Required 2 1/2" caliper @ 30' on center = 13 Trees



APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEM, AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
George F. Jumper DIRECTOR 1-25-84 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas J. Haring PLANNING DIRECTOR 2-1-84 DATE
John W. Mullaney 1-31-84 DATE
 CHIEF, BUREAU OF ENGINEERING
 DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John P. ... HEALTH OFFICER 1-30-84 DATE

DATE	NO.	REVISION
OWNER: GARNET BEAN, AARON COMPANY INC, 12655 LIME LANE ROAD, FULTON, MARYLAND 20750		
DEVELOPER: MINI-STORAGE OF COLUMBIA LIMITED PARTNERSHIP, SUITE 300, WILDE LAKE VILLAGE GREEN, COLUMBIA, MARYLAND 21046		
PROJECT: MINI-WAREHOUSE FACILITY, PAR 173		
AREA: RECORD PLAT RECORDING REFERENCE NO 072/722, 6TH ELECTION DISTRICT, TAX MAP NO 42, HOWARD COUNTY, MARYLAND		
TITLE: PLANTING PLAN		

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 10-10-83
M.D. ...

THE RIEMER GROUP, INC.
 The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
 1659 Baltimore National Pike, Ellicott City, Maryland 21141 301-461-2690

1-6-84
 STATE OF MARYLAND
 MELANIE MOSER
 1985

PARCEL 173
 DESIGNED BY: M.G.R.
 DRAWN BY: L.S.T.
 PROJECT NO: 2050
 DATE: SEPT. 8, 1983
 SCALE: 1"=30'
 DRAWING NO: C OF C
Melanie Moser