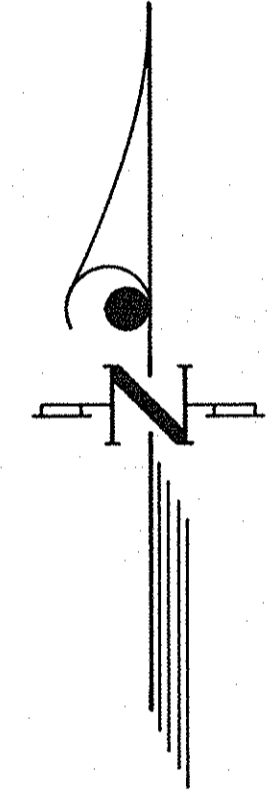
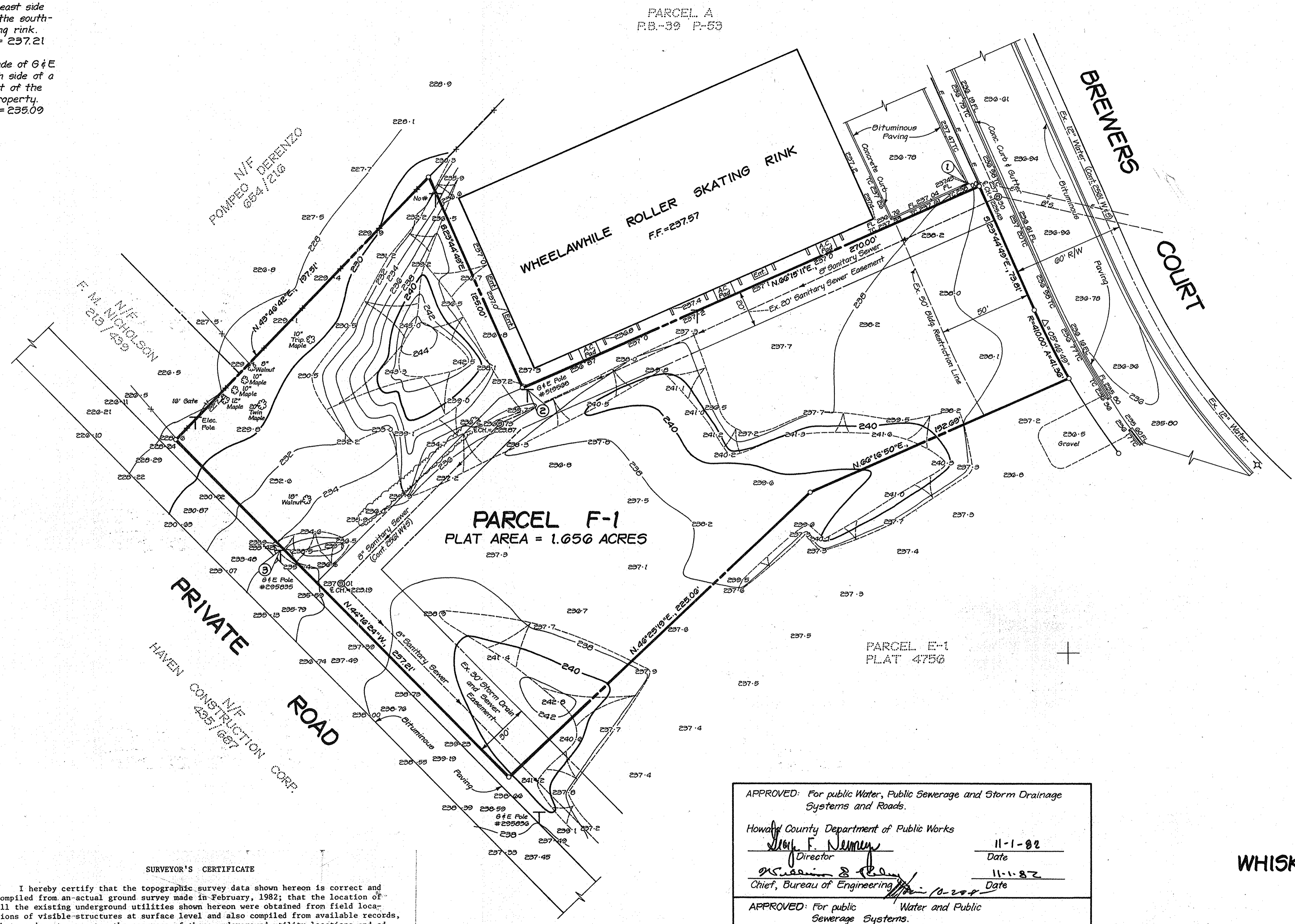
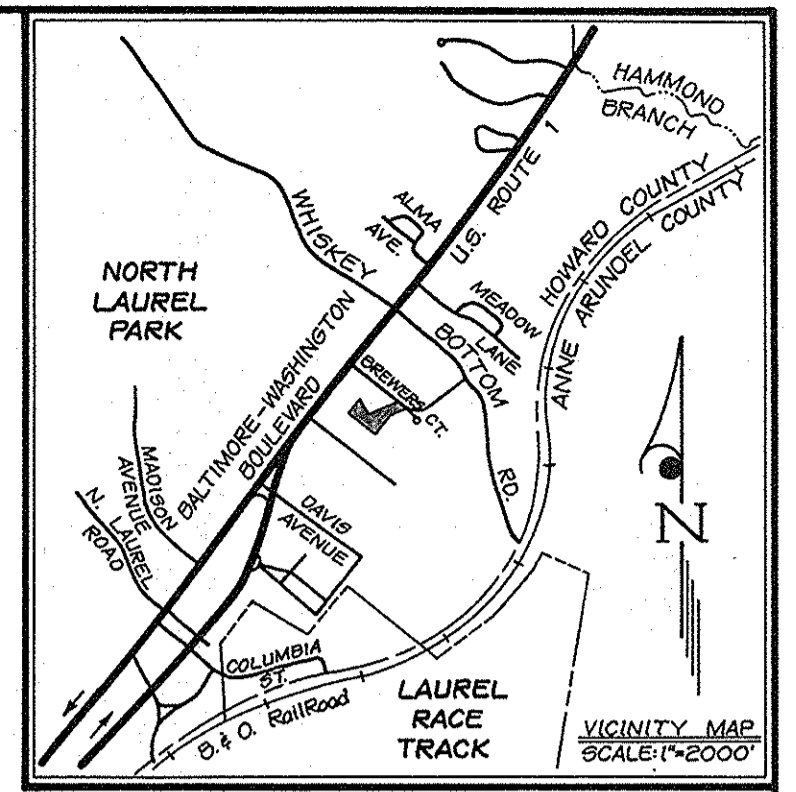


BENCH MARKS

- B.M.#1 Square cut in top of curb at the east corner of roller skating rink parking lot at the northeast corner of the property.
Elev. = 236.04
- B.M.#2 Cut nail and washer in the east side of G&E Pole #519508 at the southwest corner of roller skating rink.
Elev. = 237.21
- B.M.#3 Railroad spike in the east side of G&E Pole #295835 on the north side of a private road, 80'± southeast of the northwest corner of the property.
Elev. = 235.09



APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 6-30-82

TOPOGRAPHIC SURVEY
PARCEL F-1
WHISKEY BOTTOM INDUSTRIAL PARK
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTOUR INTERVAL = 2'
PLAT REFERENCE: PLAT 4756

SURVEYOR'S CERTIFICATE

I hereby certify that the topographic survey data shown hereon is correct and compiled from an actual ground survey made in February, 1982; that the location of all the existing underground utilities shown hereon were obtained from field locations of visible structures at surface level and also compiled from available records, that we do not guarantee the accuracy of these underground utility locations and advise that prior to any excavation or construction in the vicinity of this plan, that the contractor contact the local governmental agencies or owners of the utilities in order to determine their exact location and that we are not responsible for latent conditions encountered due to the use of this plan.

The Vertical Control Bench Marks shown on this plan are in the datum of Howard County, Maryland and originated from Station 1742014 and Station 1742015.

February 24, 1982

Sidney F. Hoffman
Sidney F. Hoffman
Registered Professional Land Surveyor
Maryland Number 4372

OWNER: Mr. Otis R. Pool Secretary/Treasurer
A & P Water & Sewer Supplies, Inc.
5205 Fort Royal Road
P.O. Box 1188
Springfield, Virginia 22151

APPROVED: For public Water, Public Sewerage and Storm Drainage Systems and Roads.

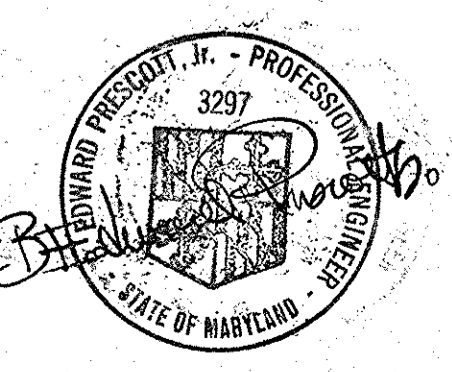
Howard County Department of Public Works
John F. Nemy Director 11-1-82
William S. Bell Chief, Bureau of Engineering 11-1-82

APPROVED: For public Water and Public Sewerage Systems.

Howard County Health Department
James E. Baker County Health Officer 11-4-82

APPROVED: Howard County Office of Planning and Zoning.

Thomas H. Amick Planning Director 11-5-82
William S. Bell Chief, Division of Land Development and Zoning Administration 11-5-82



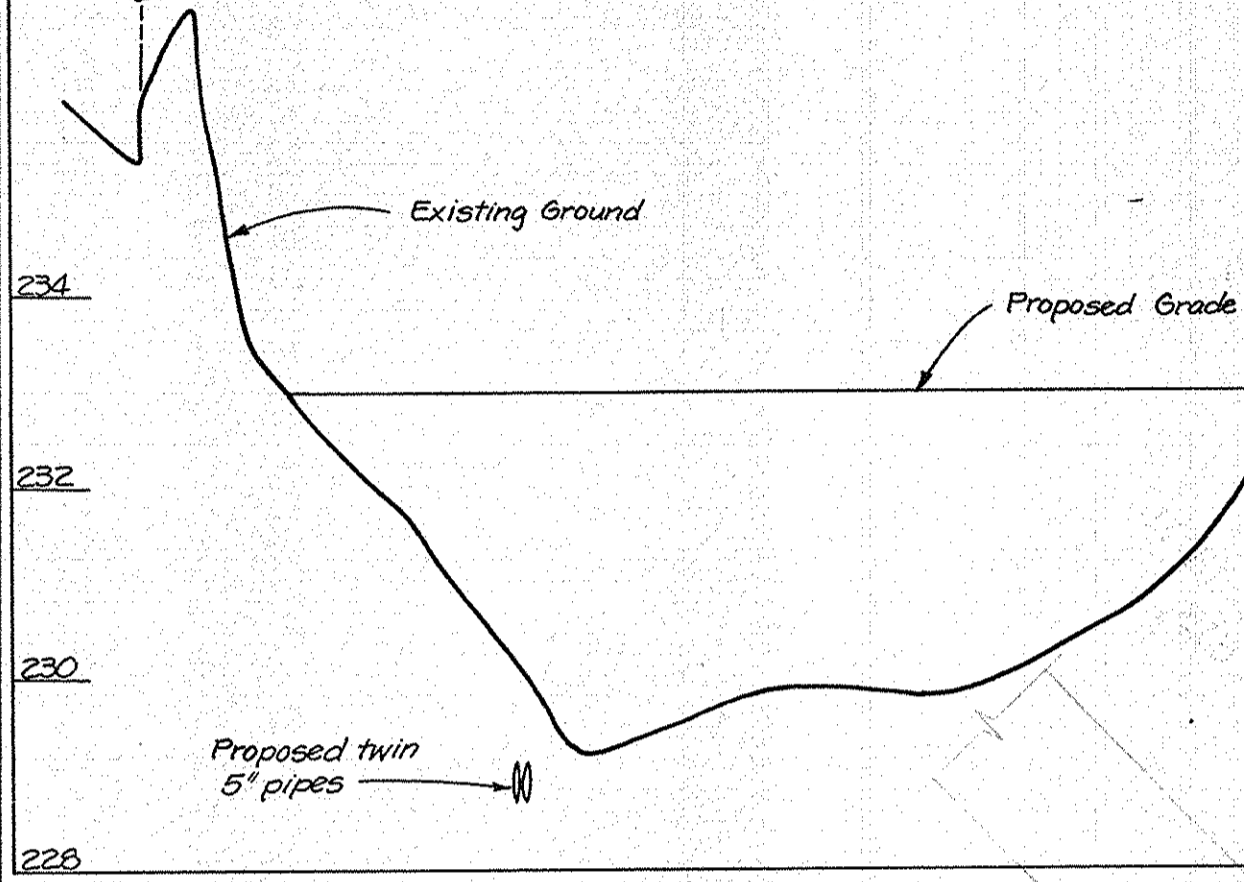
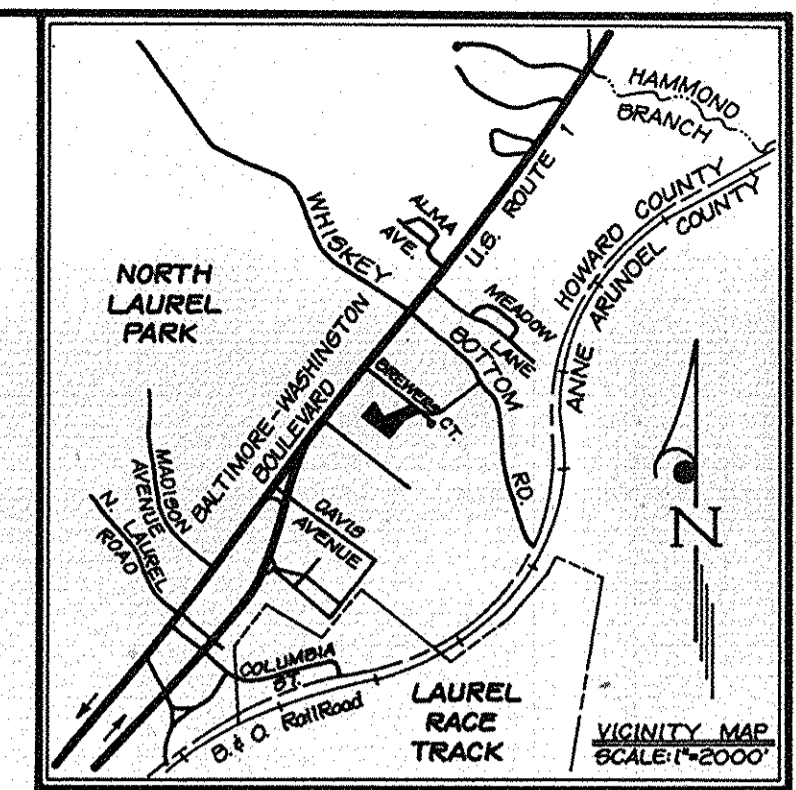
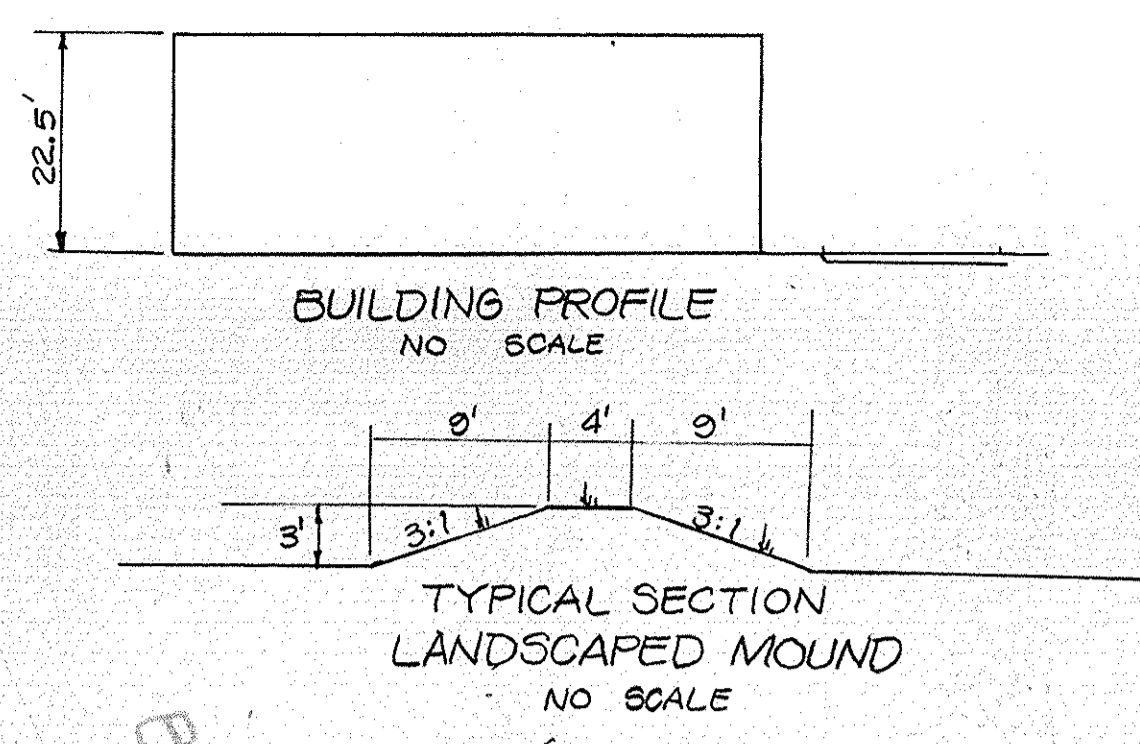
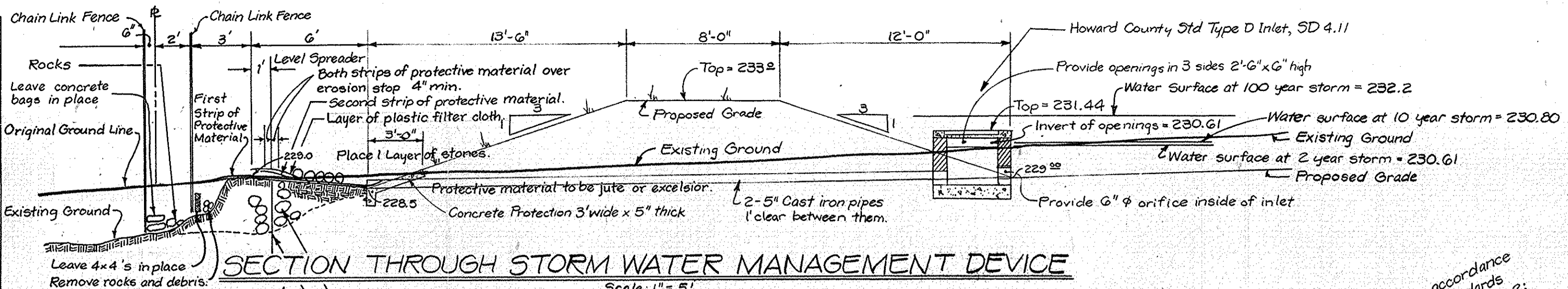
H HOFFMAN AND HUBBARD, INC.
ENGINEERS · SURVEYORS · PLANNERS

6419 BALTIMORE AVENUE RIVERDALE, MARYLAND 20737
P. O. BOX 275 20737
TEL. 301-779-9494

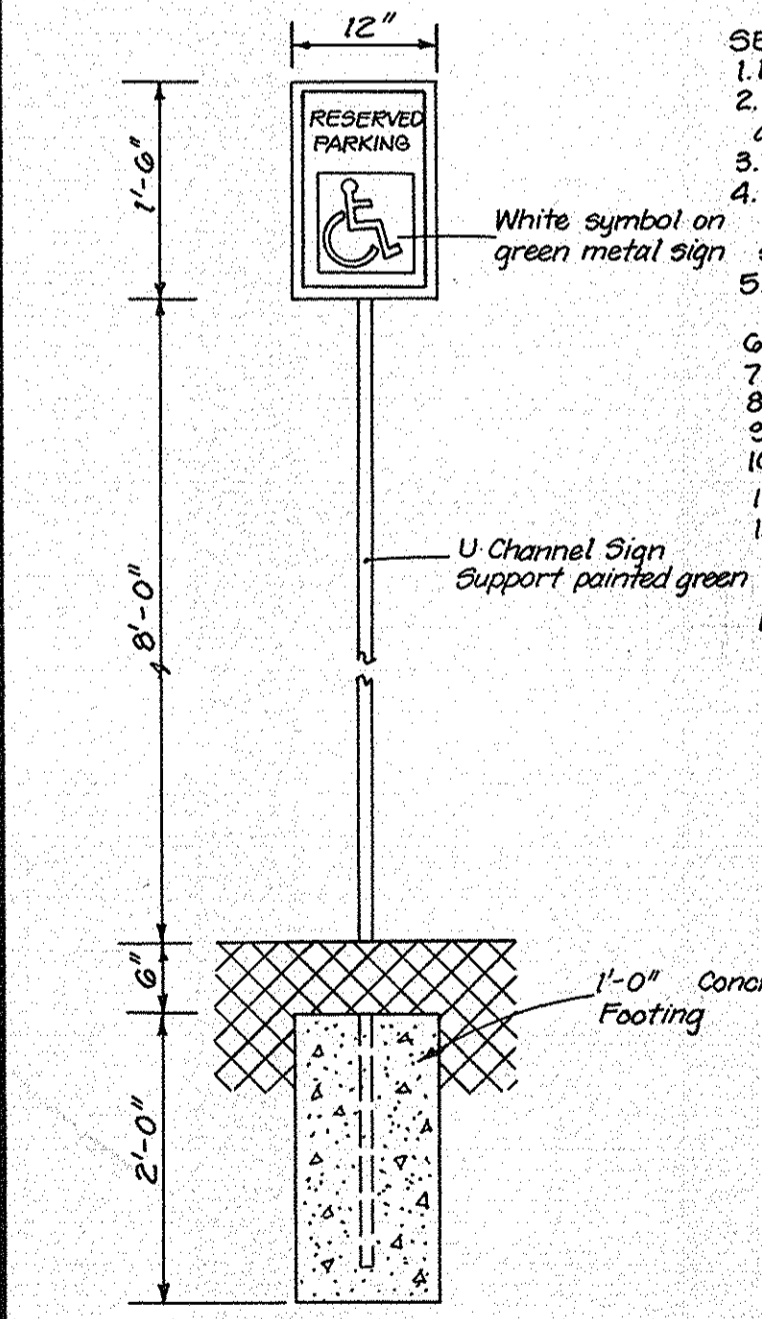
SCALE	1" = 30'
DATE	February, 1982
COMPUTED	
DESIGNED	
DRAWN	LFA
CHECKED	JEK
FILE NO.	P81-052.1

DATE	REVISIONS

SITE ANALYSIS	
Area of Parcel:	72,115 sq. ft., 1,656 ac.
Present Zoning:	M-2
Floor Space:	
Office Space:	1,080 sq.
Warehouse Space:	4,320 sq.
Employees:	5
PARKING REQUIRED:	
Office Space - 2 Employees	
Warehouse - 1 Employee	
Sales - 2 Employees	
Total - 5 Employees @ 7=4	
TOTAL PARKING REQUIRED =	4 Spaces
PARKING PROVIDED:	8 Spaces
Green Area Required (20% Min. Required) 20% x 72,115 sq. =	14,423 sq.
Green Area Provided	15,167 sq. = 21%

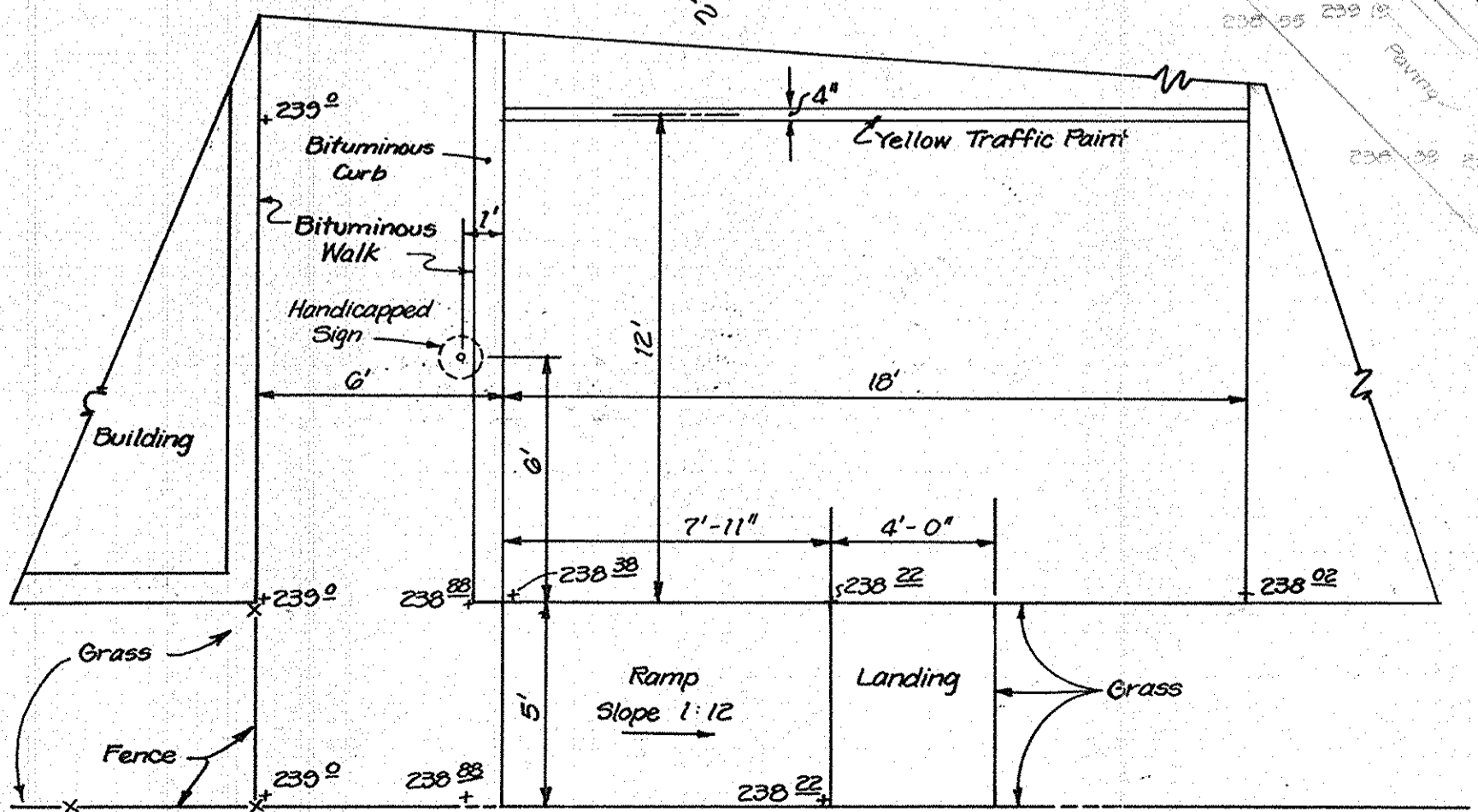


CROSS SECTION ALONG E STORM WATER MANAGEMENT DEVICE
SCALE: Horizontal - 1" = 40'
Vertical - 1" = 2'



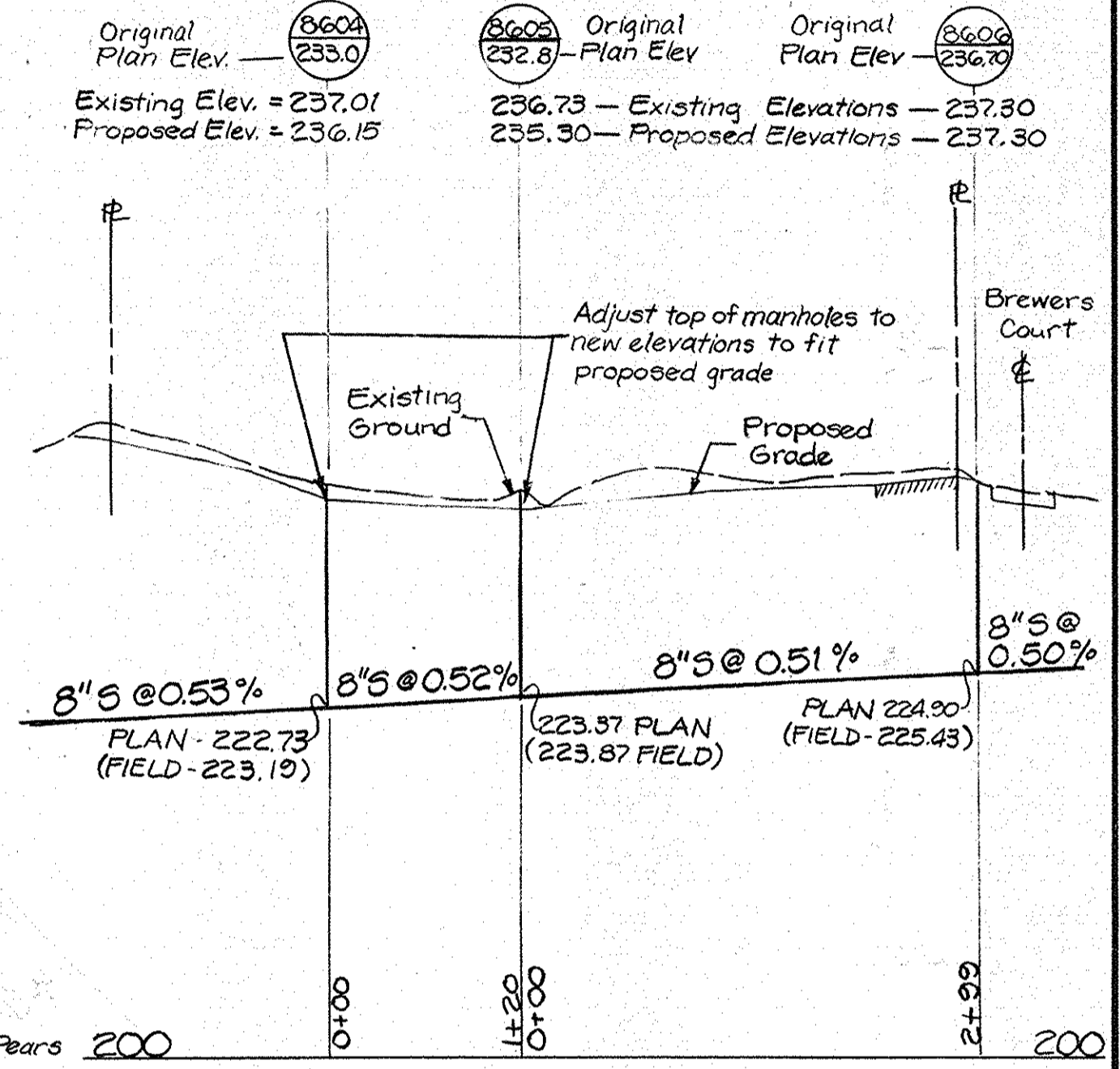
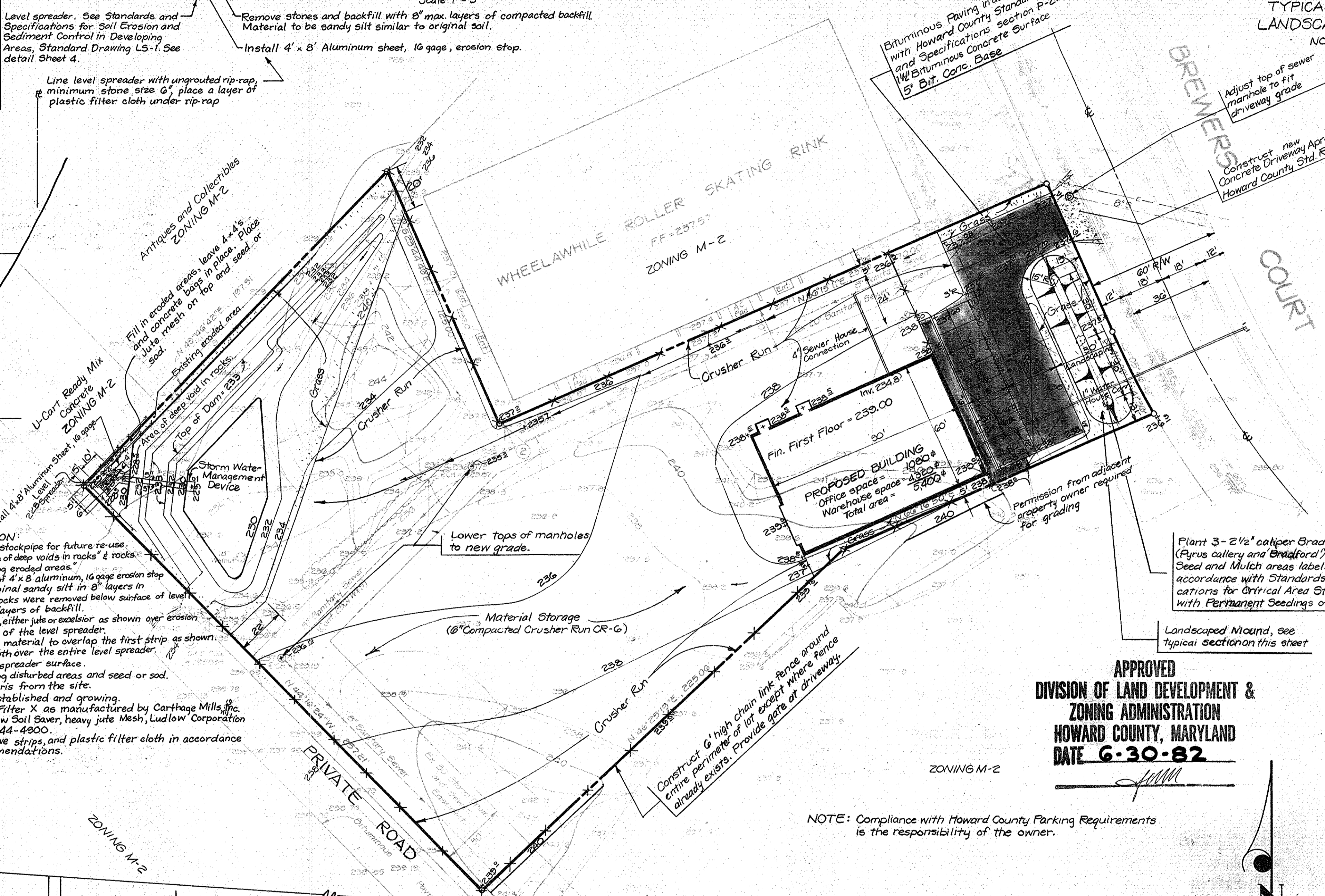
HANDICAPPED SIGN DETAIL
No Scale

- SEQUENCE OF CONSTRUCTION:
1. Remove rocks in ex. level spreader & stockpile for future re-use.
 2. Remove all rocks in area labeled "area of deep voids in rocks" & rocks & debris from area labeled "existing eroded areas".
 3. Dig a slot trench and install 1 piece of 4" x 8" aluminum, 1/4 gage erosion stop.
 4. Place backfill of soil similar to original sandy silt in 8" layers in eroded areas and in areas where rocks were removed below surface of level spreader. Hand or machine compact layers of backfill.
 5. Place a strip of protective material, either jute or excelsior as shown over erosion stop and extending for the length of the level spreader.
 6. Place a second strip of protective material to overlap the first strip as shown.
 7. Place one layer of plastic filter cloth over the entire level spreader.
 8. Place one layer of rock on the level spreader surface.
 9. Place jute mesh over the remaining disturbed areas and seed or sod.
 10. Remove unused stones and debris from the site.
 11. Water seed or sod until well established and growing.
 12. Plastic filter cloth to be Poly-Filter X as manufactured by Carthage Mills, Inc., Cincinnati, Ohio. Jute to be Ludlow Soil Saver, heavy jute mesh, Ludlow Corporation Needham Heights, Mass. (617) 444-4800.
 13. Anchor jute mesh, protective strips, and plastic filter cloth in accordance with manufacturers recommendations.

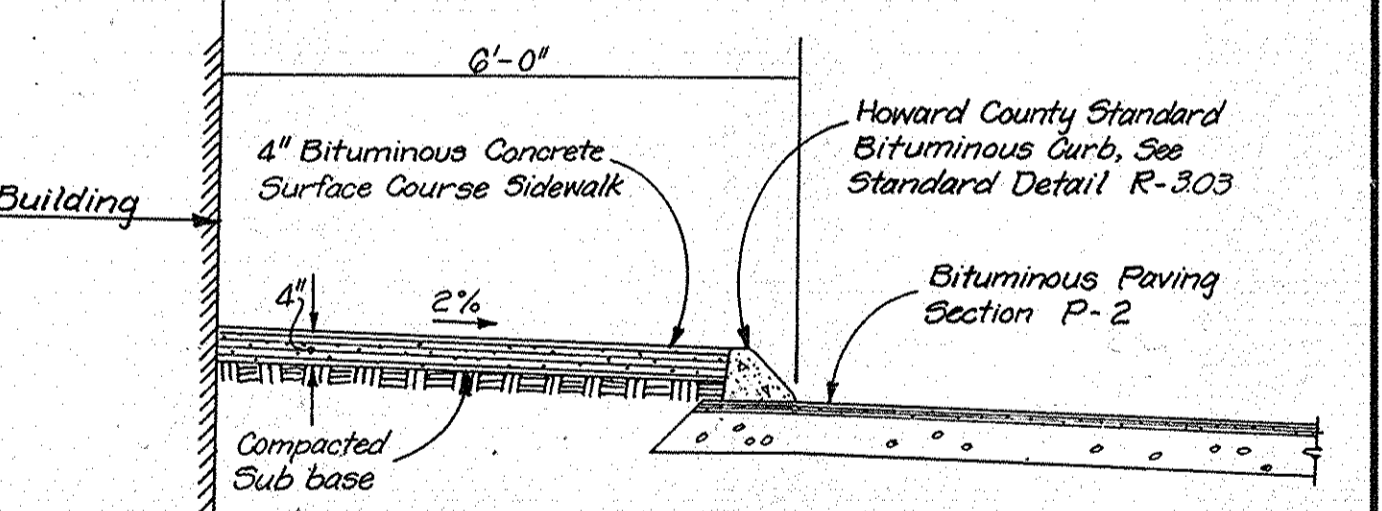


DETAIL - HANDICAPPED PARKING
Scale: 1/4" = 1'-0"

DATE	REVISIONS



SEWER PROFILE
SCALE: Vertical - 1" = 10'
Horizontal - 1" = 100'



DETAIL - BITUMINOUS CURB & SIDEWALK
SCALE: 1/2" = 1'-0"

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 6-30-82

NOTE: Compliance with Howard County Parking Requirements is the responsibility of the owner.

APPROVED: For public Water, Public Sewerage and Storm Drainage Systems and Roads.

Howard County Department of Public Works
 Director: *Walter F. Nemeyer* 11-1-82
 Chief, Bureau of Engineering: *William S. Ryan* 11-1-82

APPROVED: For public Water and Public Sewerage Systems.

Howard County Health Department
 County Health Officer: *James B. Lee* 11-4-82

APPROVED: Howard County Office of Planning and Zoning.

Planning Director: *James A. Hamill* 11-5-82
 Chief, Division of Land Development and Zoning Administration: *William S. Ryan* 11-5-82

OWNER: Mr. Otis R. Pool Secretary/Treasurer
 A & P Water & Sewer Supplies, Inc.
 5265 Port Royal Road
 P.O. Box 1188
 Springfield, Virginia 22151

SITE AND GRADING PLAN
 PARCEL F-1
 WHISKEY BOTTOM INDUSTRIAL PARK
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTOUR INTERVAL = 2'
 PLAT REFERENCE: PLAT 4750
 TAX MAP NO. 50

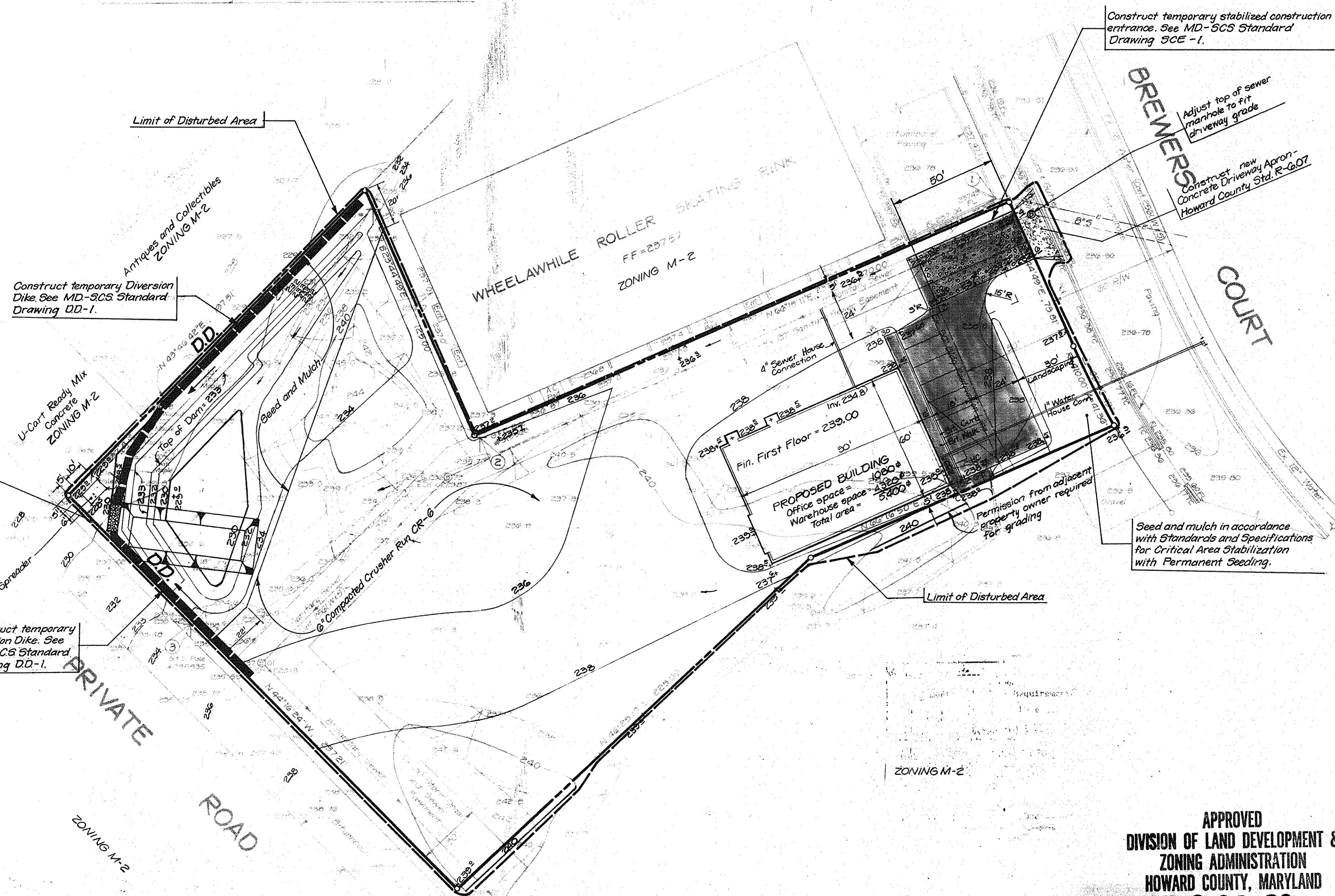
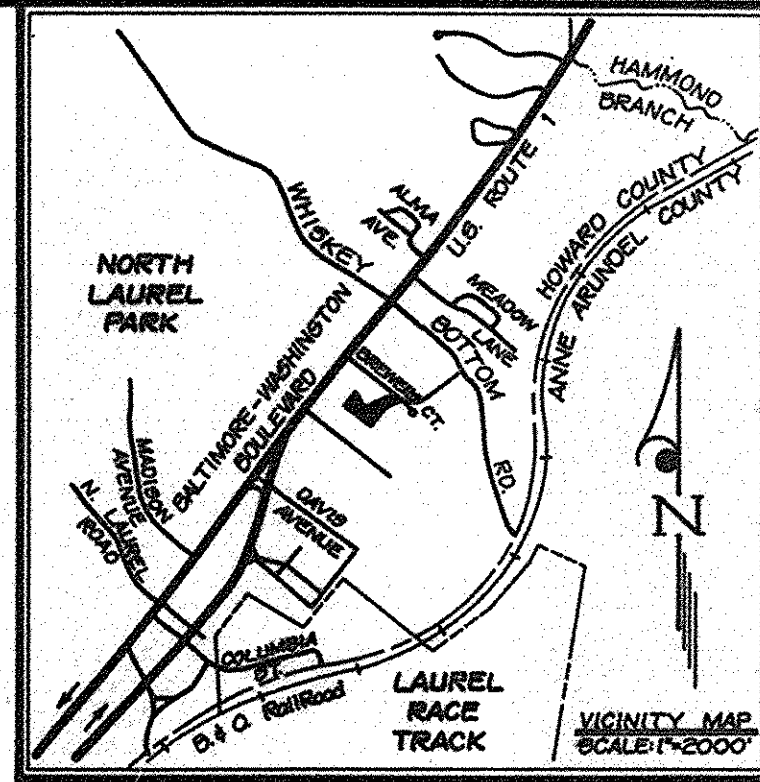
H H HOFFMAN AND HUBBARD, INC.
 ENGINEERS · SURVEYORS · PLANNERS

6419 BALTIMORE AVENUE P. O. BOX 275
 RIVERDALE, MARYLAND 20737
 TEL. 301-779-9494

SCALE 1" = 50'
 DATE February, 1982
 COMPUTED
 DESIGNED LAR
 CHECKED JEK
 FILE NO. P81-052.1

SITE ANALYSIS	
Area of Parcel:	72,115 sq. ft., 1.656 ac.
Present Zoning:	M-2
Floor Space:	
Office Space	1,080 #
Warehouse Space	4,320 #
Employees	5
PARKING REQUIRED	
Office Space - 2 Employees	
Warehouse - 1 Employee	
Sales - 2 Employees	
Total - 5 Employees @ 1=4	
TOTAL PARKING REQUIRED =	4 Spaces
PARKING PROVIDED	8 Spaces
Green Area Required (20% Min. Required) 20% x 72,115 # =	14,423 #
Green Area Provided	15,167 #

- SEQUENCE OF CONSTRUCTION**
1. Clear and grub areas to be occupied by sediment control devices.
 2. Install sediment control devices.
 3. Clear and grub remainder of site.
 4. Grade site, install storm water management devices.
 5. Stabilize site with seed and mulch, paving, and gravel.
 6. Construct building.
 7. Remove sediment control devices and stabilize areas that were occupied by those devices.



SITE ANALYSIS

Total Area of Site	1.656 Acres = 72,115 sq. ft.
Proposed Impervious Area	10,606 sq. ft.
Proposed Gravel Area	46,342 sq. ft.
Proposed Revegetated Area	15,167 sq. ft.

DEVELOPER'S CERTIFICATE

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY."

Oliver R. Pool April 27, 1982
DATE

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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

Edward Prescott, Jr. April 27, 1982
DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

James M. H. H. 10-27-82
SIGNATURE DATE
U.S. SOIL CONSERVATION SERVICE

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

Edward Prescott, Jr. 10-28-82
APPROVED DATE
HOWARD SOIL CONSERVATION DISTRICT

OWNER: Mr. Otis R. Pool Secretary/Treasurer
A & P Water & Power Supplies, Inc.
5265 Fort Royal Road
P.O. Box 1188
Springfield, Virginia 22151

- SEDIMENT CONTROL NOTES**
1. All erosion and sediment control measures are to be constructed and maintained in accordance with "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas", Howard Soil Conservation District.
 2. Sediment control is to be achieved on this project by:
 - a) Scheduling: No disturbed area is to remain denuded for longer than 60 days.
 - b) Sediment control devices: As shown and described on this plan.
 3. All points of construction ingress and egress shall be protected to prevent tracking of mud and sediment onto existing paved roadways. Protect entrance in accordance with SCS "Standards and Specifications for Stabilized Construction Entrance." Location of entrance is to be determined by field conditions.
 4. All sediment shall be prevented from entering any existing or proposed storm drains (i.e. through use of sand bags, gravel, boards or other applicable method) until areas draining to them are stabilized by paving or sodding.
 5. All unpaved disturbed areas shall be permanently stabilized in accordance with "Standards and Specifications for Critical Area Stabilization (with sod)" except areas 3:1 or flatter, which may be seeded & mulched. The contractor shall perform periodic inspection and maintenance to insure that effective sediment and erosion control is being accomplished.
 6. All diversion dikes, and stone outlet structures will be constructed and will be in operating condition before clearing is begun. All such devices shall be maintained in an operating condition until the areas draining to them have been stabilized by paving, gravel or seeding and mulching.

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 6-30-82

SEDIMENT CONTROL PLAN
PARCEL F-1
WHISKEY BOTTOM INDUSTRIAL PARK
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTOUR INTERVAL = 2'
PLAT REFERENCE: PLAT 4796
TAX MAP NO. 50

H H HOFFMAN AND HUBBARD, INC.
ENGINEERS · SURVEYORS · PLANNERS

6419 BALTIMORE AVENUE P. O. BOX 275
RIVERDALE, MARYLAND 20787
TEL. 301-779-9494

SCALE	1" = 30'
DATE	February, 1982
COMPUTED	
DESIGNED	
DRAWN	LFB
CHECKED	JEK
FILE NO.	P81-052.1

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads.

Howard County Department of Public Works
John F. Neumayr 11-1-82
Director Date

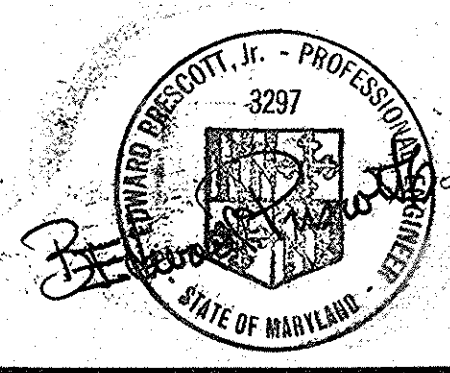
William E. ... 11-1-82
Chief, Bureau of Engineering Date

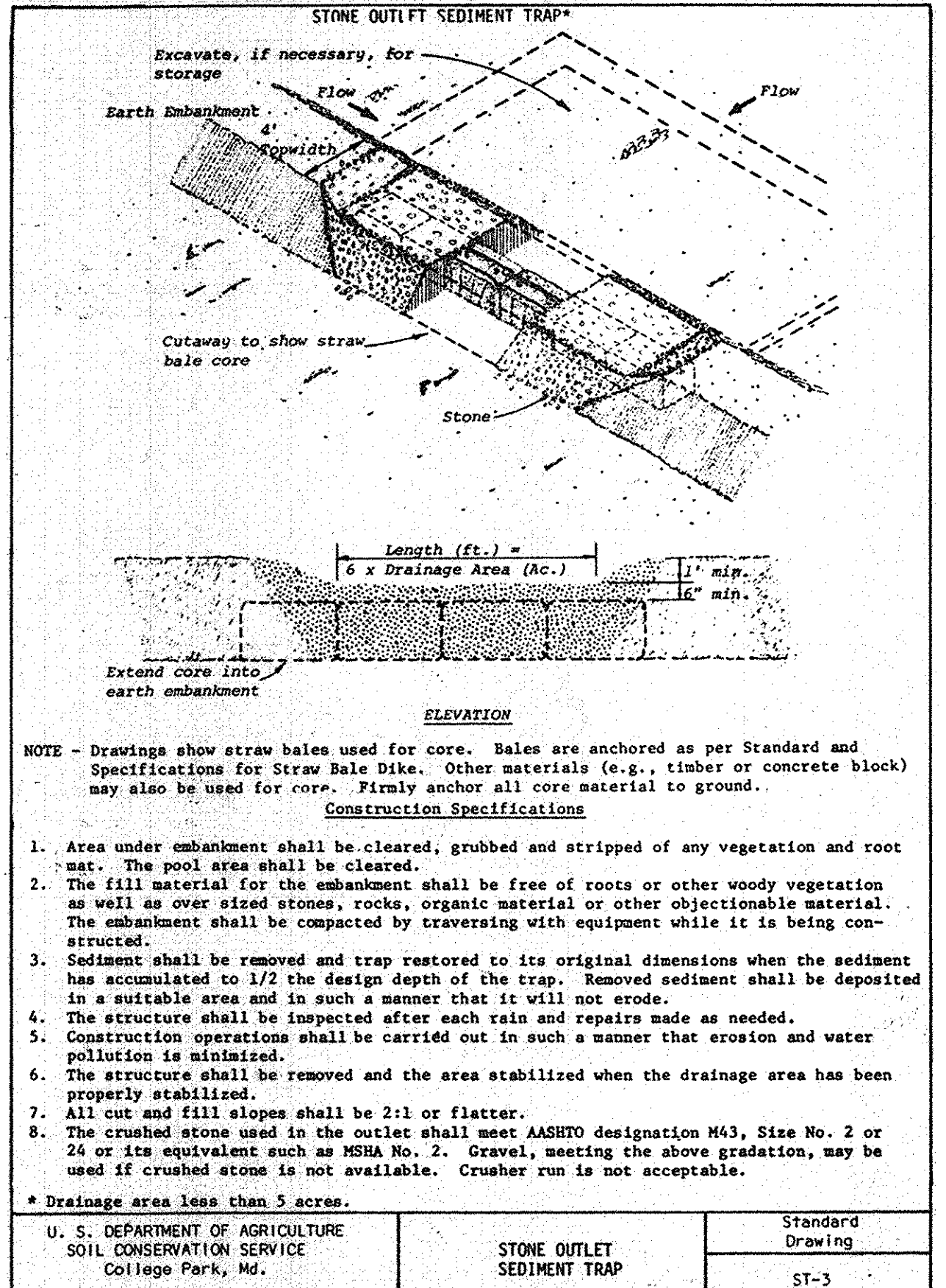
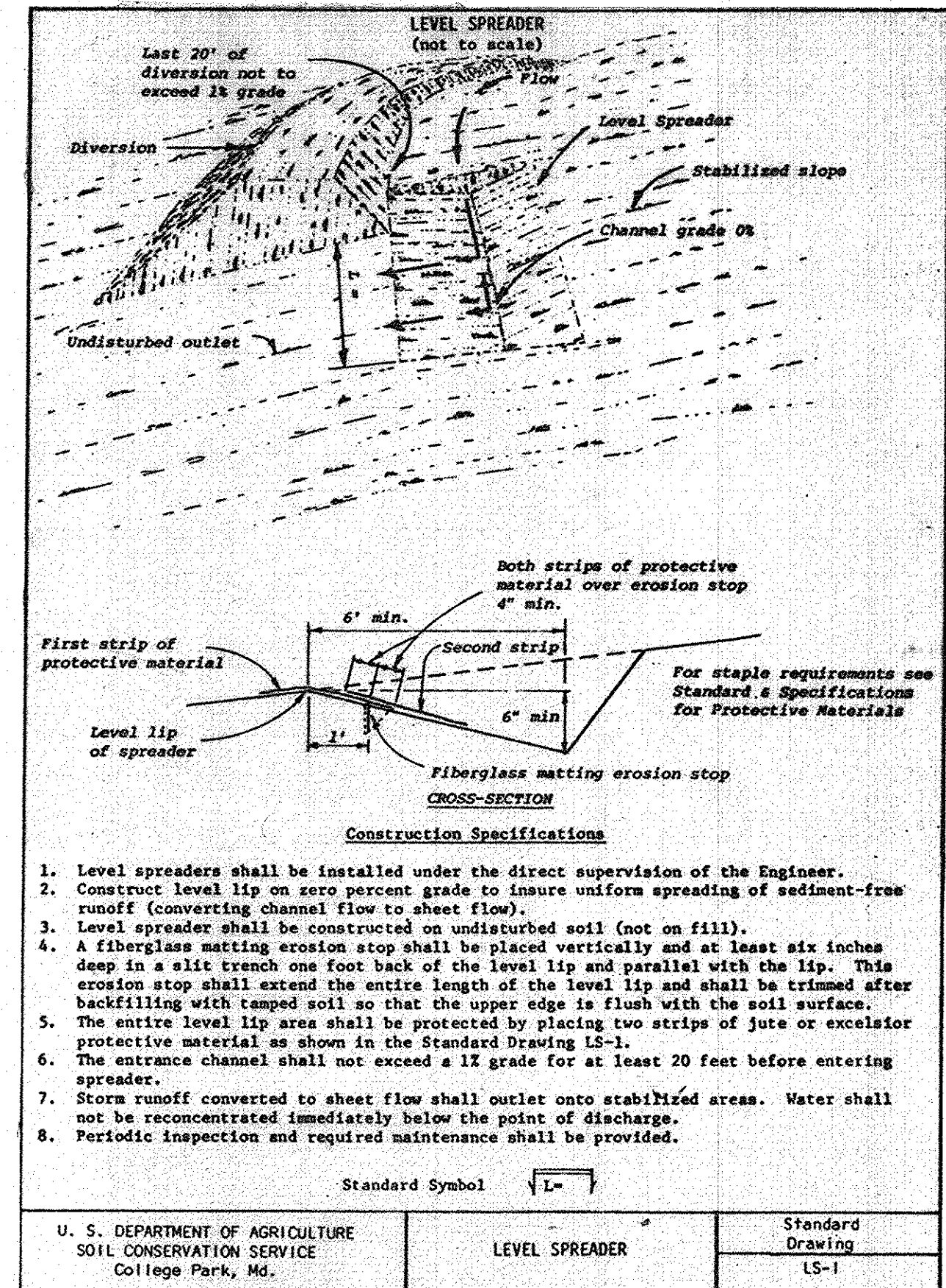
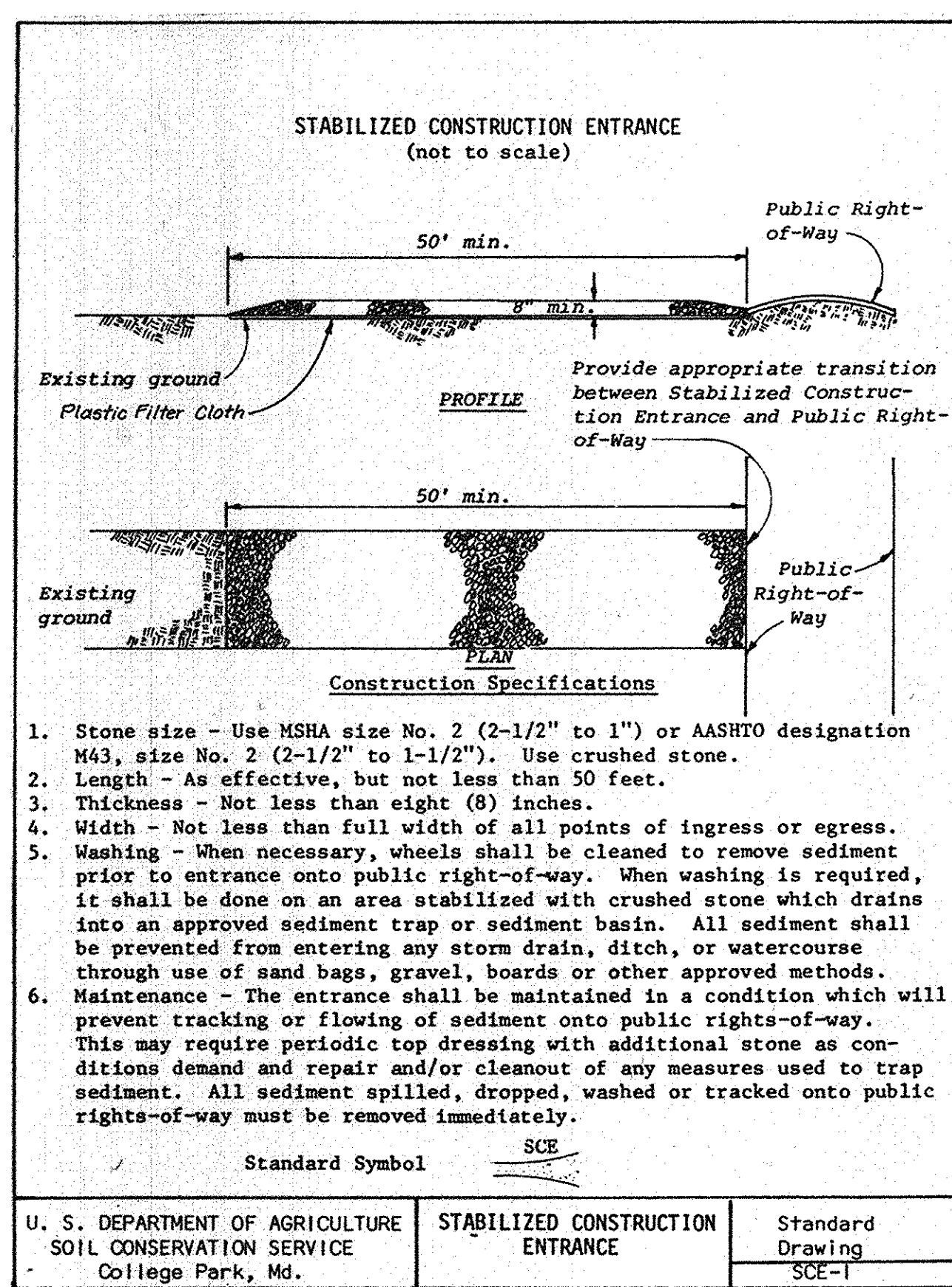
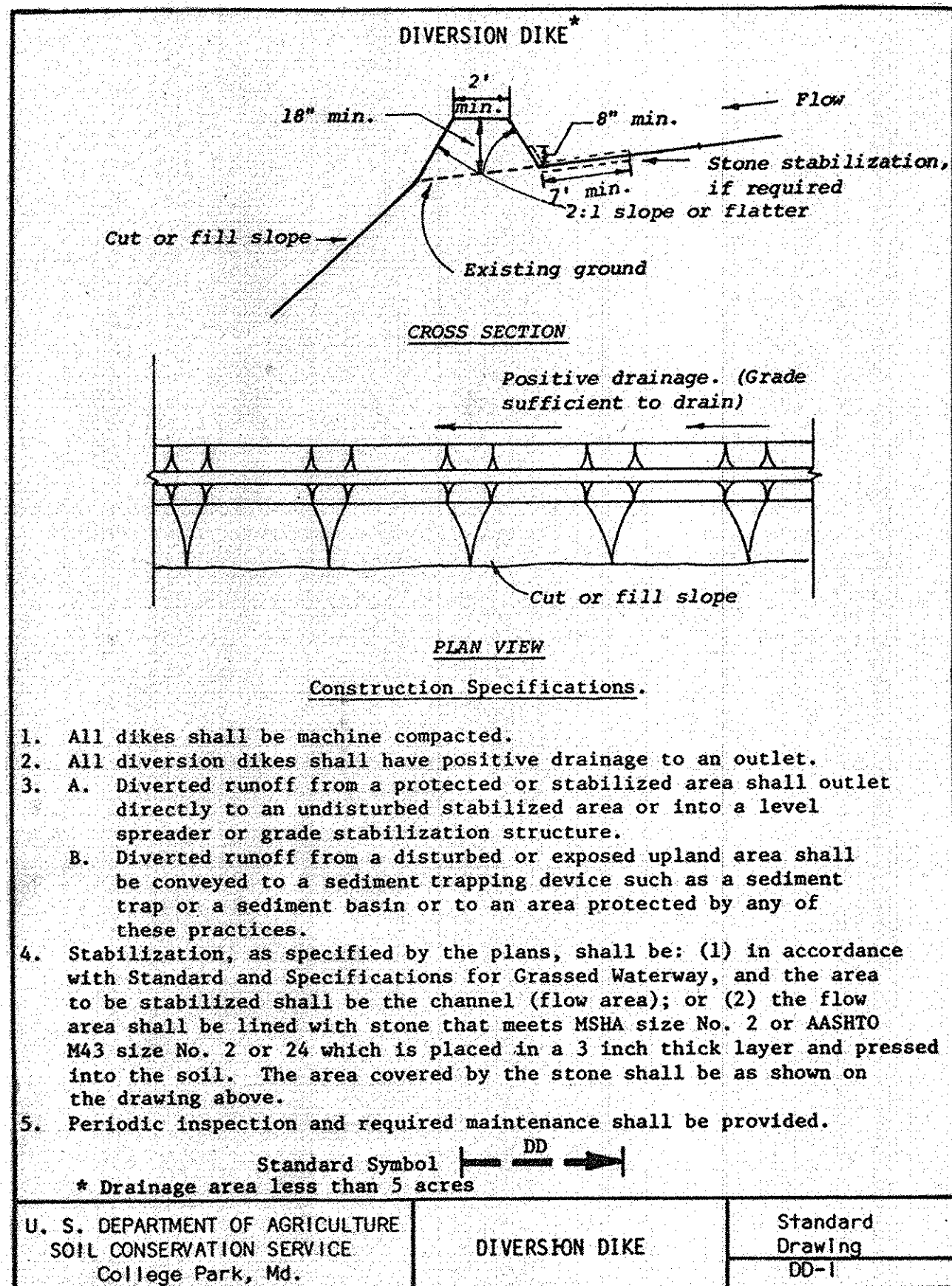
APPROVED: For Public Water and Public Sewerage Systems.

Howard County Health Department
Joseph ... 11-4-82
County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning.
Thomas ... 11-5-82
Planning Director Date

William ... 11-5-82
Chief, Division of Land Development and Zoning Administration Date





STANDARD AND SPECIFICATIONS FOR CRITICAL AREA STABILIZATION (With Permanent Seedings)

Definition: Planting vegetation such as grasses and legumes on critical areas.

Purpose: To stabilize the soil; to reduce damages from sediment and runoff to downstream areas; improve wildlife habitat; enhance natural beauty.

Conditions Where Practices Apply: Graded or cleared areas subject to erosion and where a permanent, long-lived vegetative cover is needed.

Specifications: Vegetation cannot be expected to provide an erosion control cover and prevent soil slippage on a soil that is not stable due to its texture, structure, water movement or excessive slope.

Minimum soil conditions needed for the establishment and maintenance of a long-lived vegetative cover:

- Enough fine-grained materials (over 30 percent silt plus clay) to provide the capacity to hold at least a moderate amount of available moisture. Noticeable exception would be planting lovegrass and sericea lespedeza which can be planted on a sandier soil.
- Sufficient pore space to permit adequate root penetration.
- The soil shall be free from any material harmful to plant growth.
- If these minimum conditions cannot be met, see specification, Topsoiling (57-01).

I. Site Preparation

- Install needed erosion control practices such as interceptor dikes, berms and spreaders, contour ripping, erosion stops, channel liners and sediment basins.
- Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, anchoring and maintenance.

II. Seedbed Preparation

Flat areas and slopes up to 3 to 1 grade shall be loose and friable to a depth of at least 3 inches. The top layer of soil shall be loosened by raking, discing or other acceptable means before seeding.

Slopes steeper than 3 to 1 shall have the top 1-3 inches of soil loose and friable before seeding.

III. Soil Amendments

Line and fertilizer according to soil tests. Line and fertilizer needs can be determined by a soil testing laboratory, such as the University of Maryland's Soil Testing Laboratory.

In lieu of soil test results, apply 2 tons dolomitic limestone and 600 pounds 0-20-20, or equivalent per acre before seeding. Harrow or disc line and 0-20-20, or equivalent fertilizer uniformly into the soil to a minimum depth of 3 inches on slopes flatter than 3 to 1. On slopes of greater than 3 to 1 grade, the line and fertilizer shall be worked in as directed by the contracting officer. On sloping land, the final harrowing or discing operation should be on the contour wherever feasible. No attempt should be made to drag any disc area to make the soil surface very smooth after discing. At time of seeding, apply 400 pounds 38-0-0 ureaform fertilizer and 500 pounds 10-20-20, or equivalent fertilizer per acre. For mixtures containing perennial legumes, the 500 pounds of 10-20-20 may be omitted.

IV. Seeding

- Select a mixture from Table 51-1.
- Apply seed uniformly with a cyclone sower, drill, cultipacker seeder or hydroseeder (slurry included seed and fertilizer) on a firm, moist seedbed. Maximum seeding depth should be 1/4 inch on clayey soils and 1/2 inch on sandy soils, when using other than hydroseeder method of application.

TABLE 51-1
Permanent Seedings and Seeding Dates

Mixture No.	Seeding Mixture (Use Certified Seed if Available)	SEEDING DATE		OPTIMUM SEEDING DATE (a)												
		Acres	Sq. Ft.	COASTAL PLAIN	PIEDMONT	MOUNTAINS	2 1/2-3/20	3/2-3/24	3/23-10/24	3/21-4/20	3/20-2/21	3/20-2/21	3/20-2/21	3/20-2/21	3/20-2/21	
1.	'Kentucky 31' Tall Fescue *	60	1,200	x	x	x	x	x	x	x	x	x	x	x	x	x
2.	Wegging lovegrass (a)	2	40	x	x	x	x	x	x	x	x	x	x	x	x	x
3.	'Kentucky 31' Tall Fescue *	50	1,125	x	x	x	x	x	x	x	x	x	x	x	x	x
4.	'Korean' lespedeza (b) inoculated	15	134	x	x	x	x	x	x	x	x	x	x	x	x	x
5.	'Kentucky 31' Tall Fescue *	40	92	x	x	x	x	x	x	x	x	x	x	x	x	x
6.	'Kentucky 31' Tall Fescue *	40	92	x	x	x	x	x	x	x	x	x	x	x	x	x
7.	Crownvetch, inoculated	15	24	x	x	x	x	x	x	x	x	x	x	x	x	x
8.	'Kentucky 31' Tall Fescue *	40	92	x	x	x	x	x	x	x	x	x	x	x	x	x
9.	Wegging lovegrass (a)	2	40	x	x	x	x	x	x	x	x	x	x	x	x	x
10.	'Kentucky 31' Tall Fescue *	30	69	x	x	x	x	x	x	x	x	x	x	x	x	x
11.	Red canopygrass (c)	10	23	x	x	x	x	x	x	x	x	x	x	x	x	x
12.	'Kentucky 31' Tall Fescue *	60	1,320	x	x	x	x	x	x	x	x	x	x	x	x	x
13.	Red Fescue 'Jamestown' or 'Penn. Lawn'	40	92	x	x	x	x	x	x	x	x	x	x	x	x	x
14.	Low and High Maintenance Area	40	92	x	x	x	x	x	x	x	x	x	x	x	x	x
15.	'Kentucky 31' Tall Fescue (d)	260	5-6	x	x	x	x	x	x	x	x	x	x	x	x	x

* Use certified seed only

TABLE 51-2
Maintenance Fertilization for Permanent Seedings
Use Soil Test Recommendations or Rates Shown Below

Mixture No.	Seeding Mixture	Formulation	Lbs. Per Acre	Lbs. Per 1000 Sq. Ft.	Time	Mowing
1,2,3,7,8	Tall fescue makes up 70% or more of cover.	10-10-10 38-0-20 0-20-20	500 400 250	11.5 9.2 5.8	Fall Fall Yearly, or as needed	*Not closer than 3" if occasional mowing is desired.
4,5,6,7,9	Crownvetch sericea lespedeza birdsfoot trefoil	0-20-20	400	9.2	Spring Year following establishment and every 4-5 yrs. thereafter	Do not mow crownvetch.
4,5	Fairly uniform stand of tall fescue and sericea lespedeza, or birdsfoot trefoil.	5-10-10	500	11.5	Fall Year following establishment and every 4-5 yrs. thereafter	Not required. Not closer than 4" if occasional mowing is desired, & then in fall after sericea seed has matured.
9	Wegging lovegrass & sericea lespedeza. Fairly uniform plant distribution	5-10-10	500	11.5	Spring Year following establishment and every 3-4 yrs. thereafter	Not required. Not closer than 4" if occasional mowing is desired, & every 3-4 yrs. thereafter.
12,13,14	Red fescue; Kentucky bluegrass- red fescue mixture; 'Ky-31' tall fescue	20-10-10 20-10-10 20-10-10	250 250 100	5.8 5.8 5.8	September 30 days later. December May 20-June 30, if needed	Now no closer than 2" for red fescue & ryegrass; & no closer than 4" for tall fescue

Note: Fertilization schedule applies alike to mixtures 12, 13 and 14.

Reviewed for HOWARD
and meets Technical Requirements
Date 10-21-82
Signature
U.S. Soil Conservation Service

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

Approved: _____ Date 10-26-82
Howard S.C.D.

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 6-30-82

OWNER: Mr. Otis R. Pool, Secretary/Treasurer
A & P Water & Sewer Supplies, Inc.
5265 Fort Royal Road
P.O. Box 1188
Springfield, Virginia 22151

SEDIMENT CONTROL DETAILS
PARCEL F-1
WHISKEY BOTTOM INDUSTRIAL PARK
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTOUR INTERVAL = 2'
PLAT REFERENCE: PLAT 4756

HOFFMAN AND HUBBARD, INC.
ENGINEERS • SURVEYORS • PLANNERS

6419 BALTIMORE AVENUE P. O. BOX 275
RIVERDALE, MARYLAND 20736
TEL. 301-779-9494

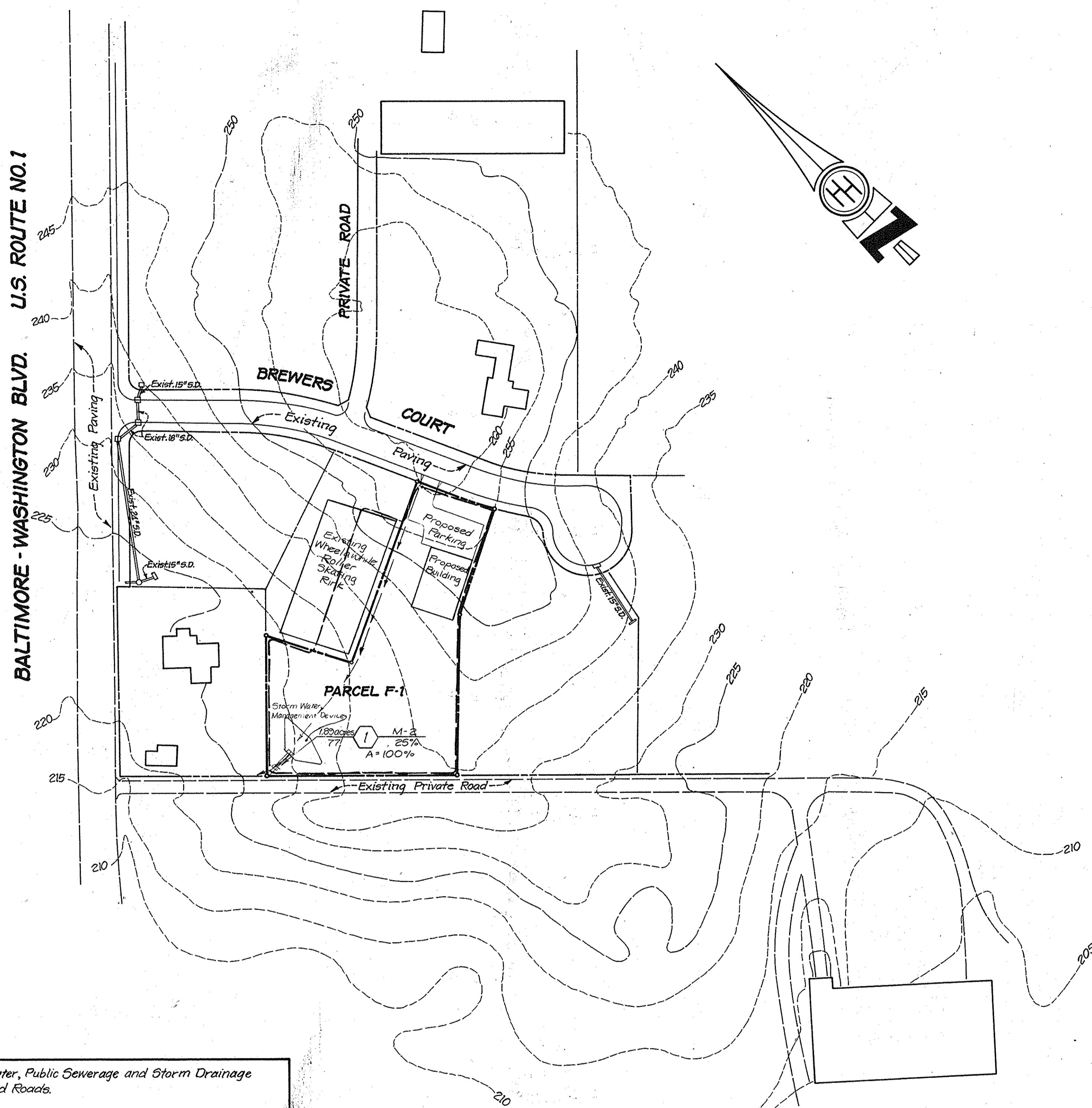
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DATE
COMPUTED
DESIGNED
CHECKED
FILE NO.
P81-052

APPROVED: For public Water and Public Sewerage and Storm Drainage Systems and Roads.
Howard County Department of Public Works
Director
Date 11-1-82
Chief, Bureau of Engineering

APPROVED: For public Water and Public Sewerage Systems.
Howard County Health Department
County Health Officer J.S.
Date 11-4-82

APPROVED: Howard County Office of Planning and Zoning.
Planning Director
Date 11-5-82
Chief, Division of Land Development and Zoning Administration

DATE REVISIONS



BALTIMORE - WASHINGTON BLVD. U.S. ROUTE NO. 1

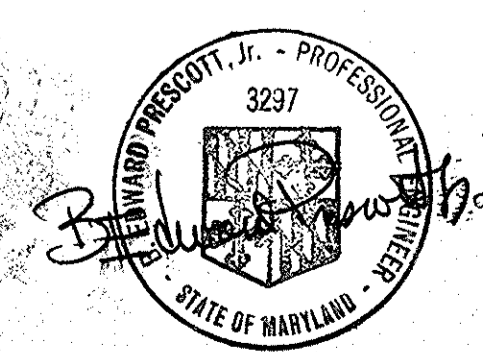
APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 6-30-82

DRAINAGE AREA MAP
PARCEL F-1
WHISKEY BOTTOM INDUSTRIAL PARK
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTOUR INTERVAL = 5'
PLAT REFERENCE : PLAT 4756

APPROVED: For public Water, Public Sewerage and Storm Drainage Systems and Roads.
Howard County Department of Public Works
Henry F. Nemmy 11-1-82
Director Date
John S. Stebbins 11-1-82
Chief, Bureau of Engineering Date

APPROVED: For Public Water and Public Sewerage Systems.
Howard County Health Department
Norman Brackman 11-4-82
County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning.
Thomas L. Hammett 11-5-82
Planning Director Date
John W. Moseman 11-5-82
Chief, Division of Land Development and Zoning Administration Date



OWNER: Mr. Otis R. Pool Secretary/Treasurer
A & P Water & Sewer Supplies, Inc.
5265 Fort Royal Road
P.O. Box 1188
Springfield, Virginia 22151

H H HOFFMAN AND HUBBARD, INC.
ENGINEERS • SURVEYORS • PLANNERS

6419 BALTIMORE AVENUE P. O. BOX 275
RIVERDALE, MARYLAND 20736
TEL. 301-779-9494

SCALE	1"=100'
DATE	
COMPUTED	
DESIGNED	
DRAWN	
CHECKED	
FILE NO.	

DATE	REVISIONS