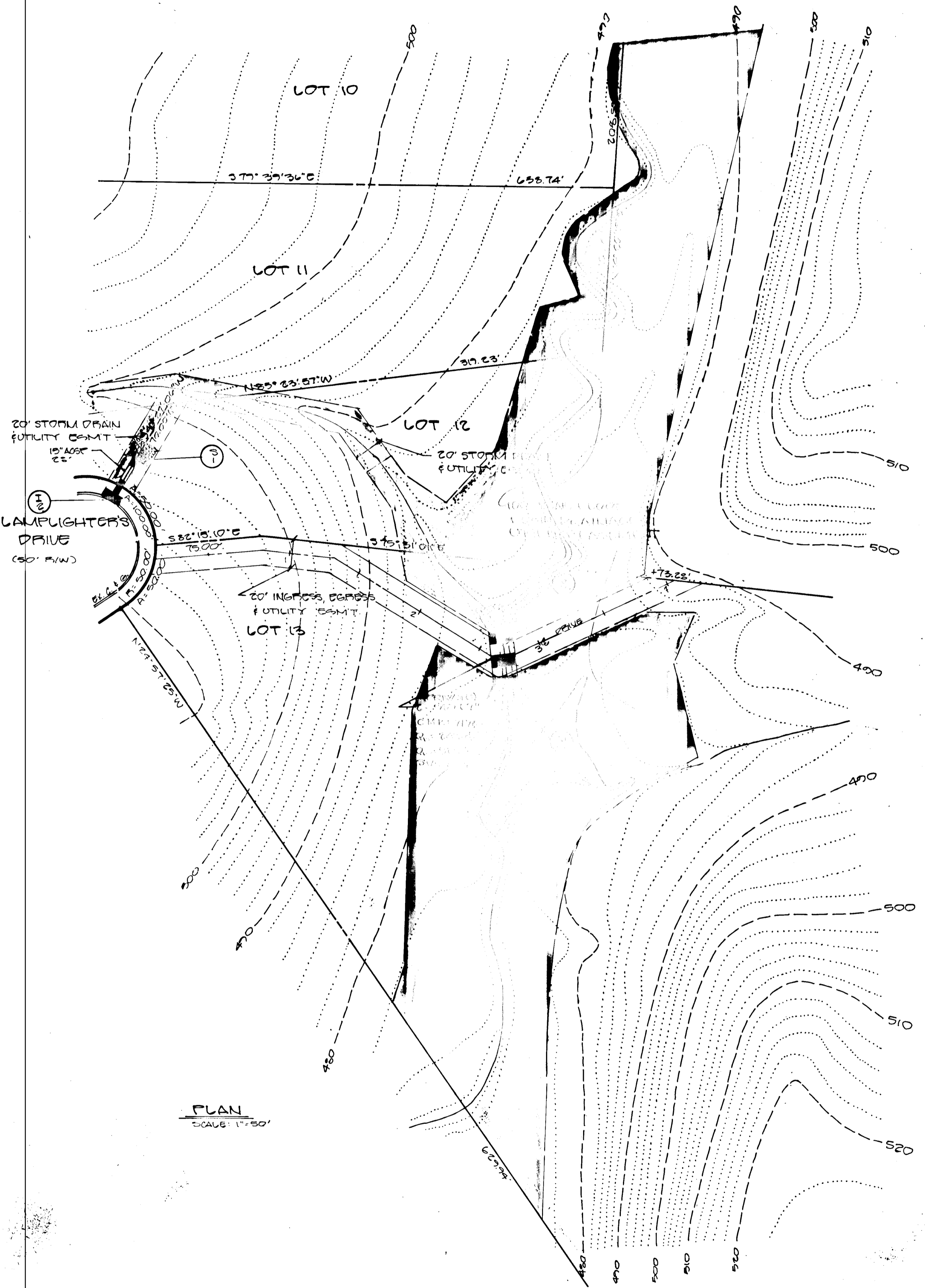
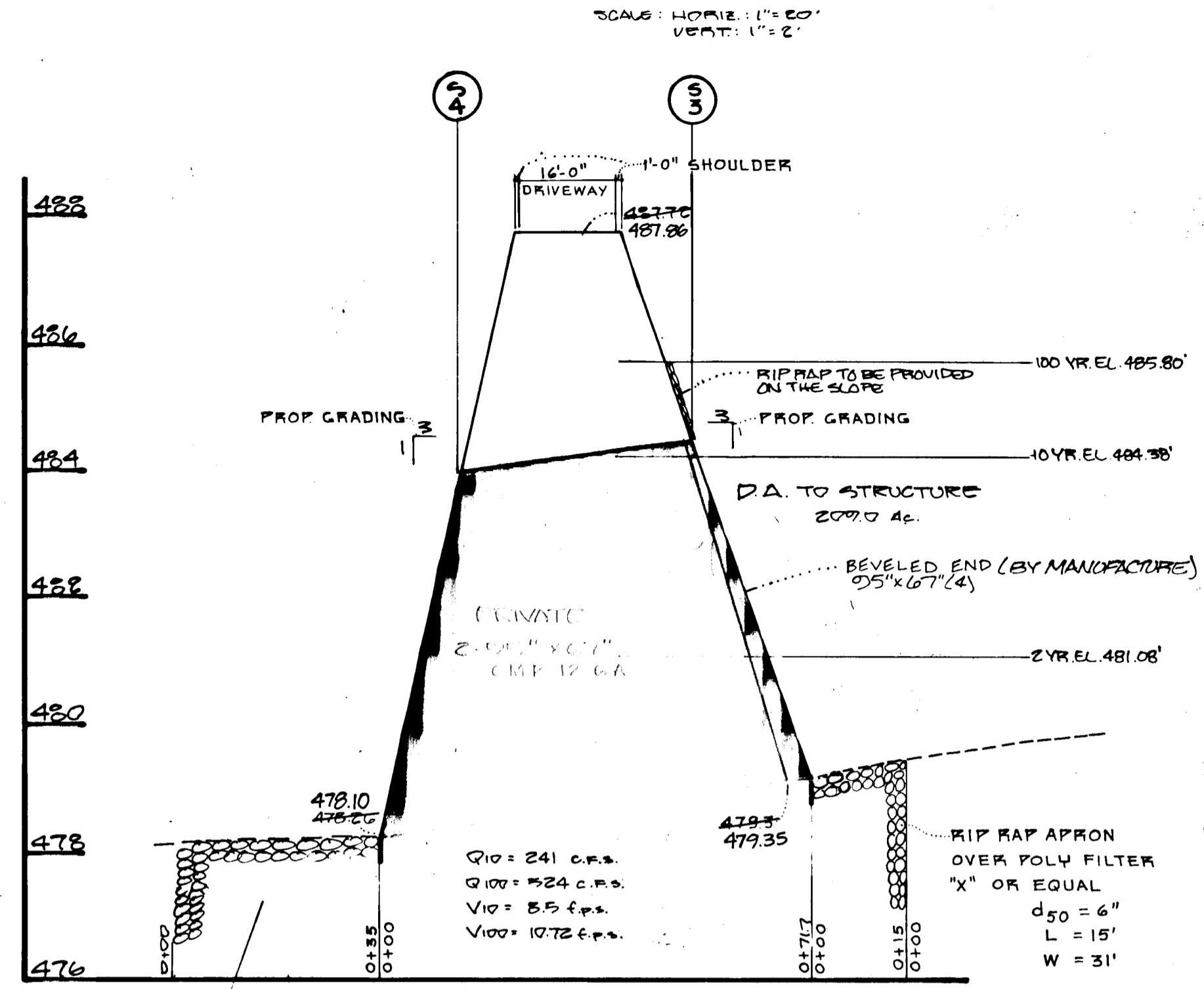


TYPE	SIZE	LENGTH
MINI ZCA	12" x 12"	143.4
CMP		

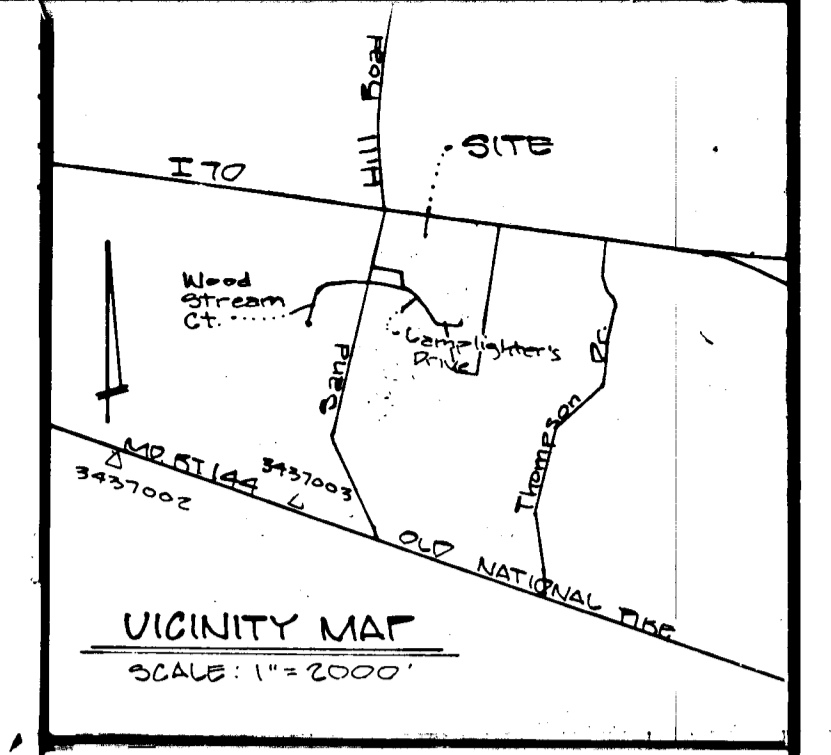
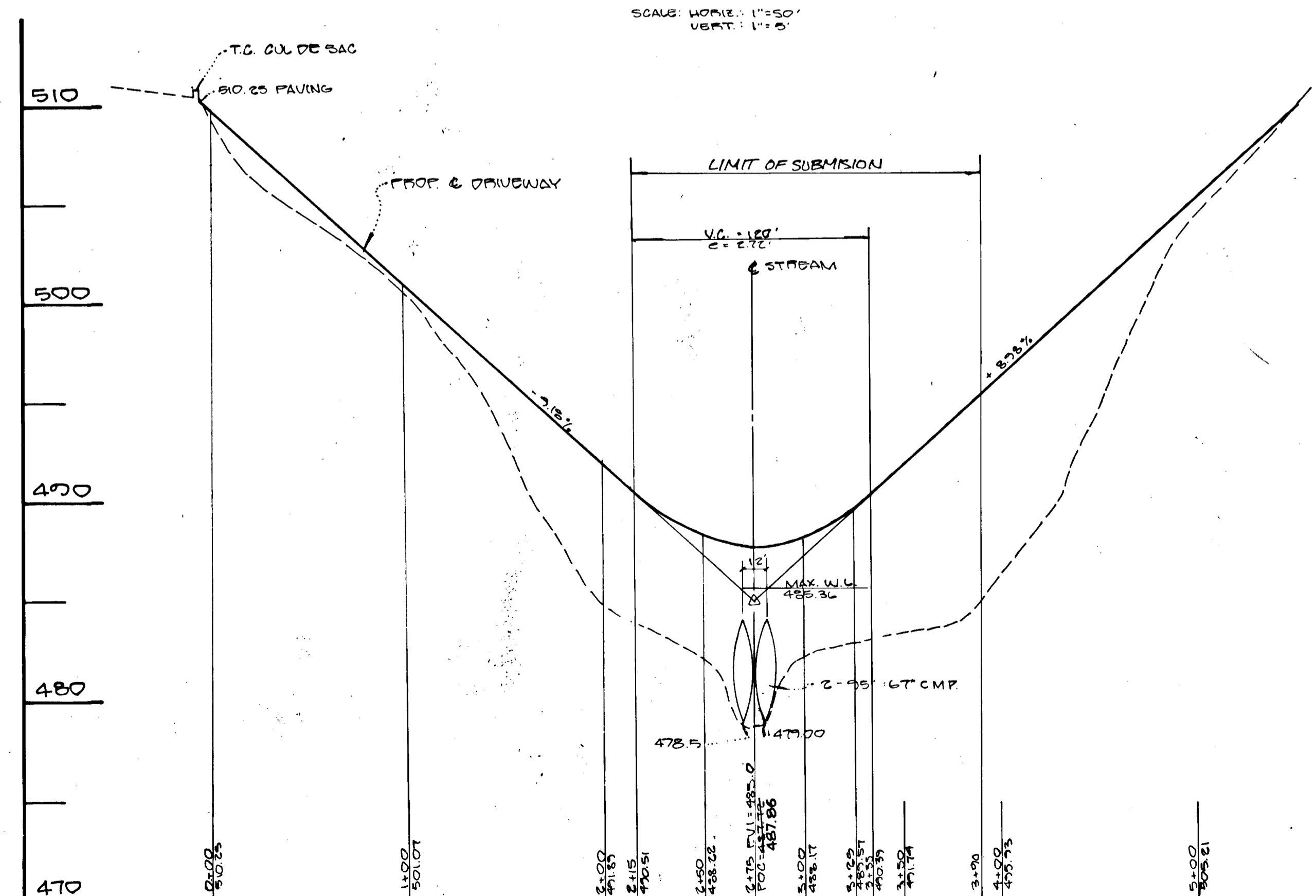


**PROFILE**



SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR BASE ALTERNATES
P-1	PARKING AREAS AND TRAVELWAYS APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	1" BIT. CONC. SURFACE 4" BIT. CONC. BASE	1" BIT. CONC. SURFACE 2" BIT. CONC. BASE PRIME OR 4" CRUSHED GRANITE COURSE OR 4" CRUSHED STABILIZED AGGREGATE BASE COURSE

**PROFILE**



1. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (1) SEVEN (7) CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DITCHES, SWALES, DITCHES, PERIMETER SLOTTES AND ALL SLOPES GREATER THAN 5:1, (2) FOURTEEN (14) DAYS OR TO ALL OTHER DISTURBED OR GRADED AREAS ON PROJECT SITE.

NOTE: THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION (SURVEY DIVISION) 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT THE SITE.

DEVELOPER'S CERTIFICATE  
I, Michael W. Lewis, 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.  
DATE: 10/20/88

ENGINEER'S CERTIFICATE  
I, John H. Hahn, 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: 02/07/89

APPROVED FOR HOWARD S.C.D. AND RECEIVED BY SOIL CONSERVATION SERVICE  
John H. Hahn DATE: 02/07/89

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
John H. Hahn DATE: 02/07/89

APPROVED - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
Frank J. Saper DATE: 02/07/89  
CHIEF, LAND DEVELOPMENT DIVISION

APPROVED - BUREAU OF HIGHWAY  
Prudence W. Weaver DATE: 02/07/89  
CHIEF, BUREAU OF HIGHWAY

APPROVED - BUREAU OF ENGINEERING  
John S. Saper DATE: 02/07/89  
CHIEF, BUREAU OF ENGINEERING

APPROVED - HOWARD COUNTY OFFICE OF PLANNING & ZONING  
Frank J. Saper DATE: 02/07/89  
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

AS-BUILT SURVEY CERTIFIED BY  
NEU SCHWARTZ, MD RE. NO.  
11449 ON 11-10-89

156

Owner/Developer:  
HILLTOP DEVELOPMENT  
P.O. BOX 208  
CLARKSVILLE, MD. 21029  
(301) 531-5530

NO.	REVISIONS	DATE

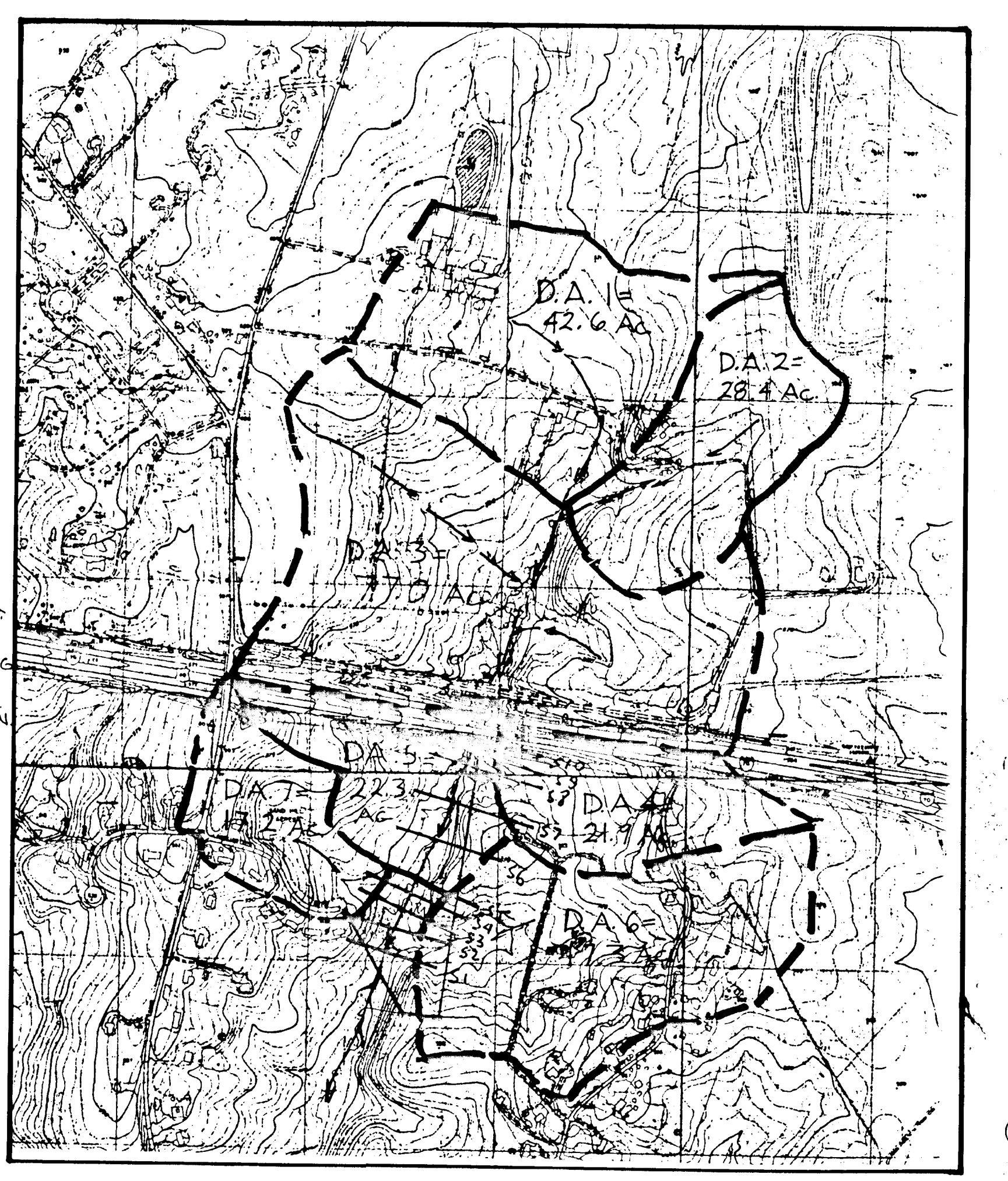
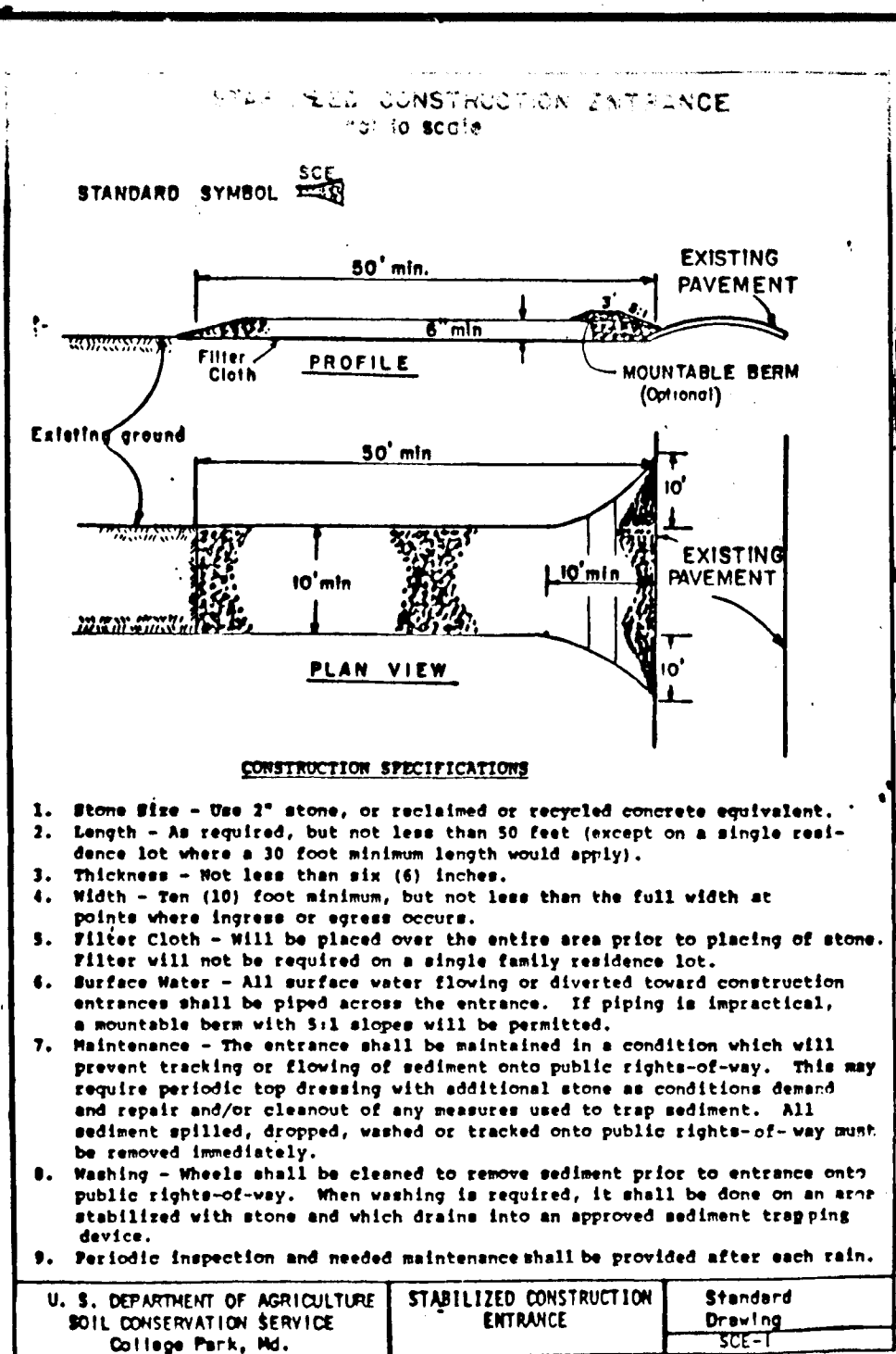
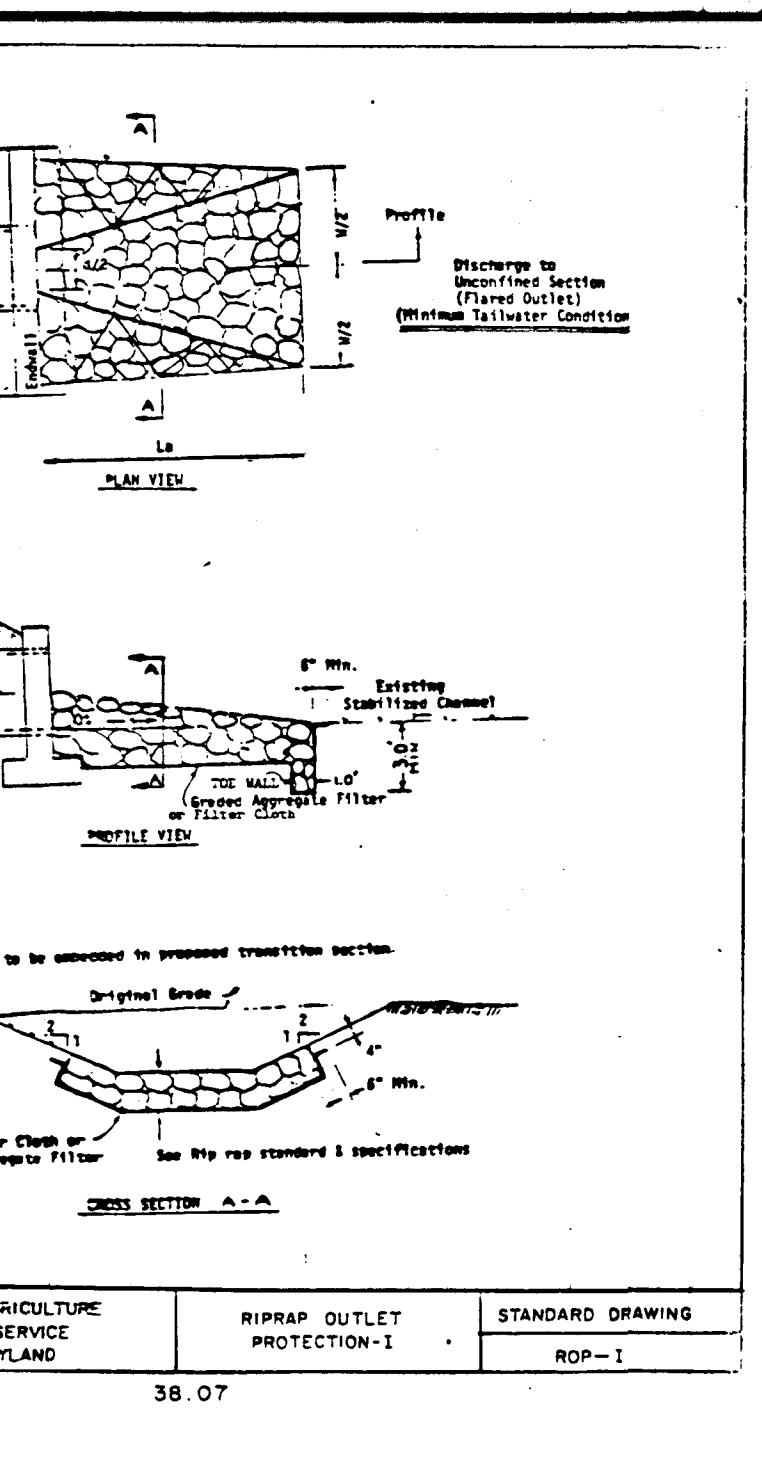
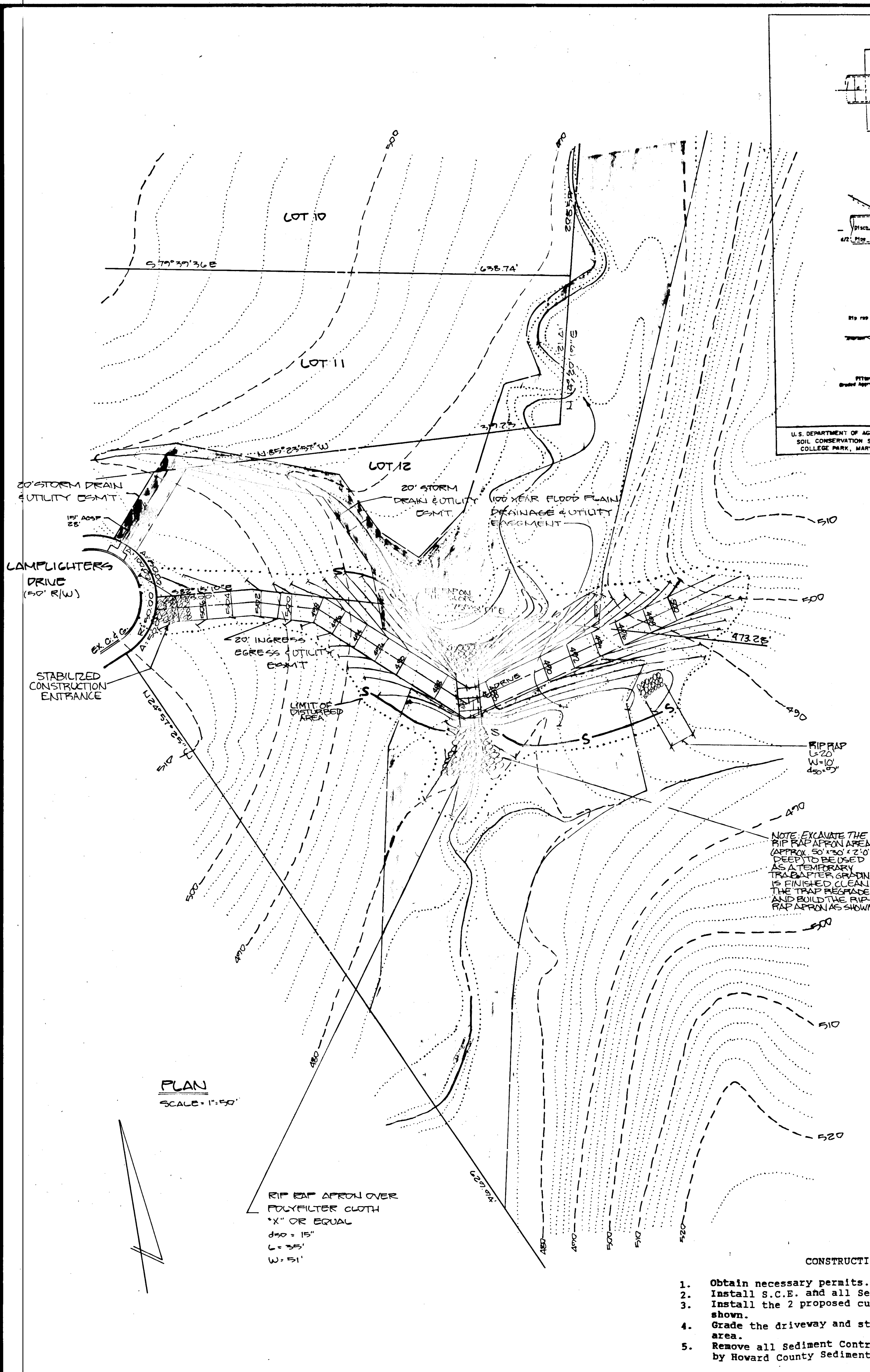


**DEVELOPMENT CONSULTANTS GROUP, INC.**

17904 GEORGIA AVENUE # 102  
OLNEY, MARYLAND 20832  
301-924-4570

DRIVEWAY IMPROVEMENT PLAN  
SECTION THREE AREA TWO  
**SAND HILL ACRES**  
3<sup>RD</sup> ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
TAX MAP 16, PARCEL 5

888-71	DATE AUG. 1988	Sheet 1 of 5
F88-76	DRAWN MAM	
W88-191	CHECKED JDL	
F 89-23	SCALE AS SHOWN	PROJECT NO. 176-09



**CONSTRUCTION SEQUENCE**

- Obtain necessary permits.
- Install S.C.B. and all Sediment Control devices.
- Install the 2 proposed culverts and rip rap apron as shown.
- Grade the driveway and stabilize all the disturbed area.
- Remove all Sediment Control devices when approved by Howard County Sediment Control Inspector.

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

**Seedbed Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding. (If not previously loosened.)

**Soil Amendments:** In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq 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 30-0-0 ureaform fertilizer (9 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 (21 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 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 15 thru February 28, protect 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 sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

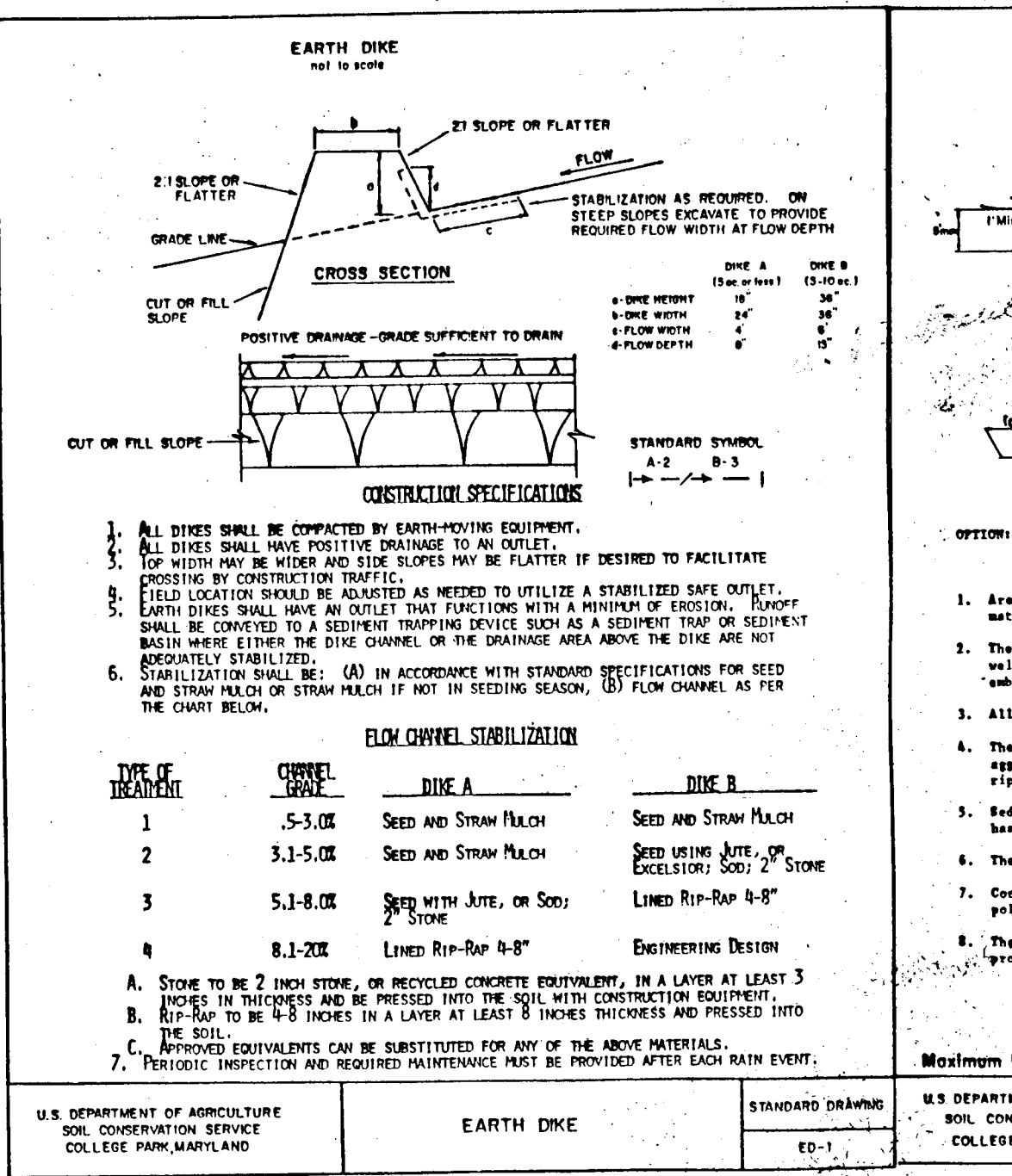
**Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher,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

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

**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.
- Following initial soil disturbance or redisturbance, 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.
- 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, SECTION 12.01.
- 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) sod (Sec. 52, temporary seeding (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.
- 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 Analysis: Total Area of Site 10.4 Acres  
 Acres 1.04 Area to be paved  
 Cu. Yds. 1.86 Total Cut  
 Cu. Yds. 1.86 Offsite waste/borrow area location
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired 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 inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

NOTE: ALL BORROW MATERIAL TO BE OBTAINED FROM A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN.



FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (1) SEVEN (7) CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, (2) FOURTEEN (14) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON PROJECT SITE.

NOTE: THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 792-1272.

DEVELOPER'S CERTIFICATE

"I HEREBY 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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS."

*Michael J. Donnelly* 10/10/89  
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 OFFICE OF INSPECTION AND PERMITS."

*John A. ...* 02/07/89  
DATE

REVIEWED FOR HOWARD S.C.D. AND METS TECHNICAL COMMENTS. 2/28/89  
DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS.

*Howard S.C.D.* 1/18/89  
DATE

REVIEWED FOR PUBLIC WATER AND PUBLIC UTILITIES SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

*Debra S. ...* 7/16/89  
DATE

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*John A. ...* 4/10/89  
DATE

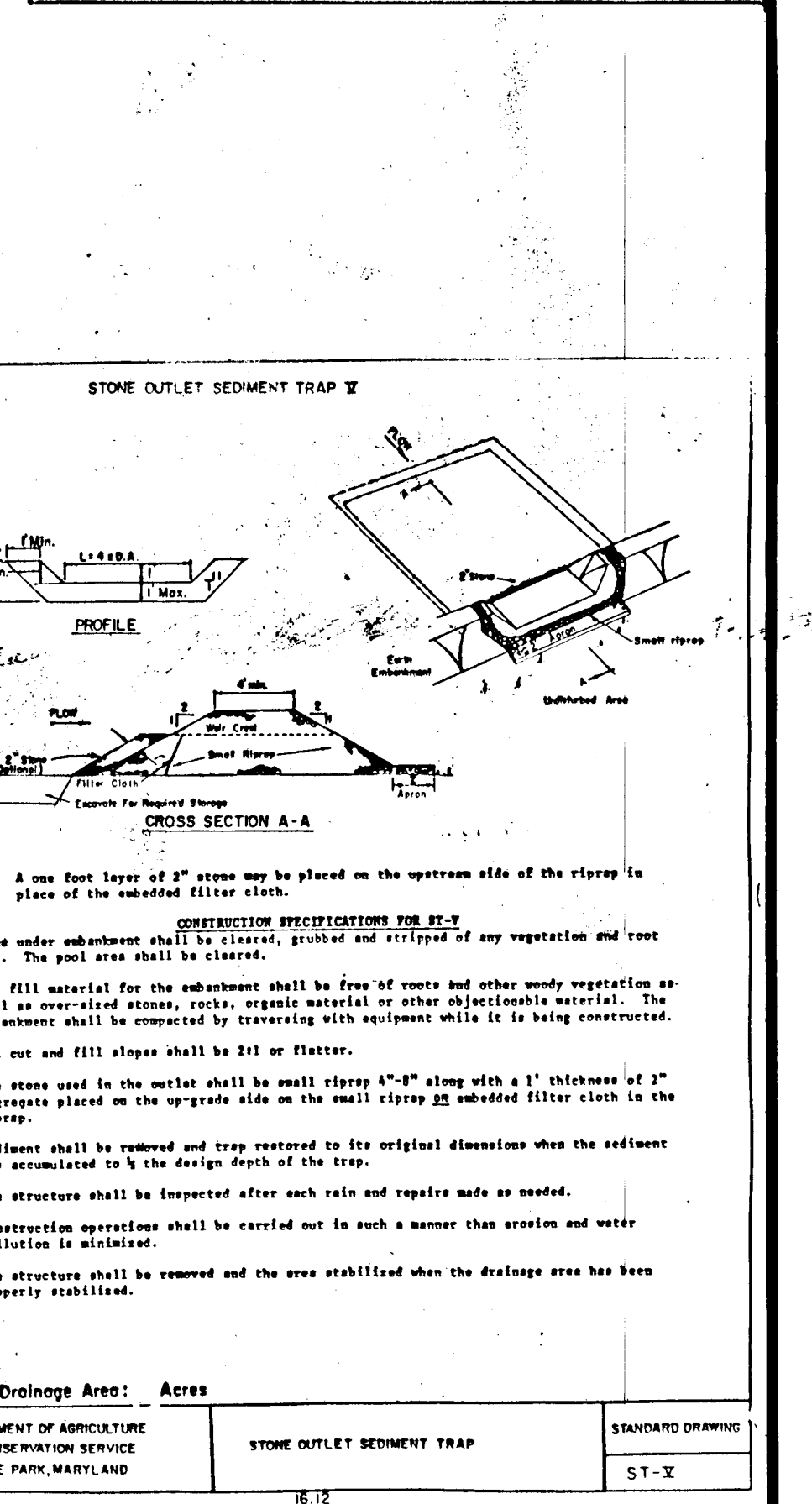
CHIEF, LAND DEPARTMENT

*Debra S. ...* 3/1/89  
DATE

CHIEF, BUREAU OF HIGHWAY

*John A. ...* 3-11-89  
DATE

CHIEF BUREAU OF ENGINEERING



NO.	REVISIONS	DATE

Owner/Developer:  
HILLTOP DEVELOPMENT  
P.O. BOX 208  
CLARKVILLE, MD 21029  
(301) 521-8539

**DEVELOPMENT CONSULTANTS GROUP, INC.**

17904 GEORGIA AVENUE # 102  
OLNEY, MARYLAND 20832  
301-924-4570

SEDIMENT CONTROL PLAN  
SECTION THREE AREA TWO  
SAND HILL ACRES  
ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
TAX MAP 16, PARCEL 5

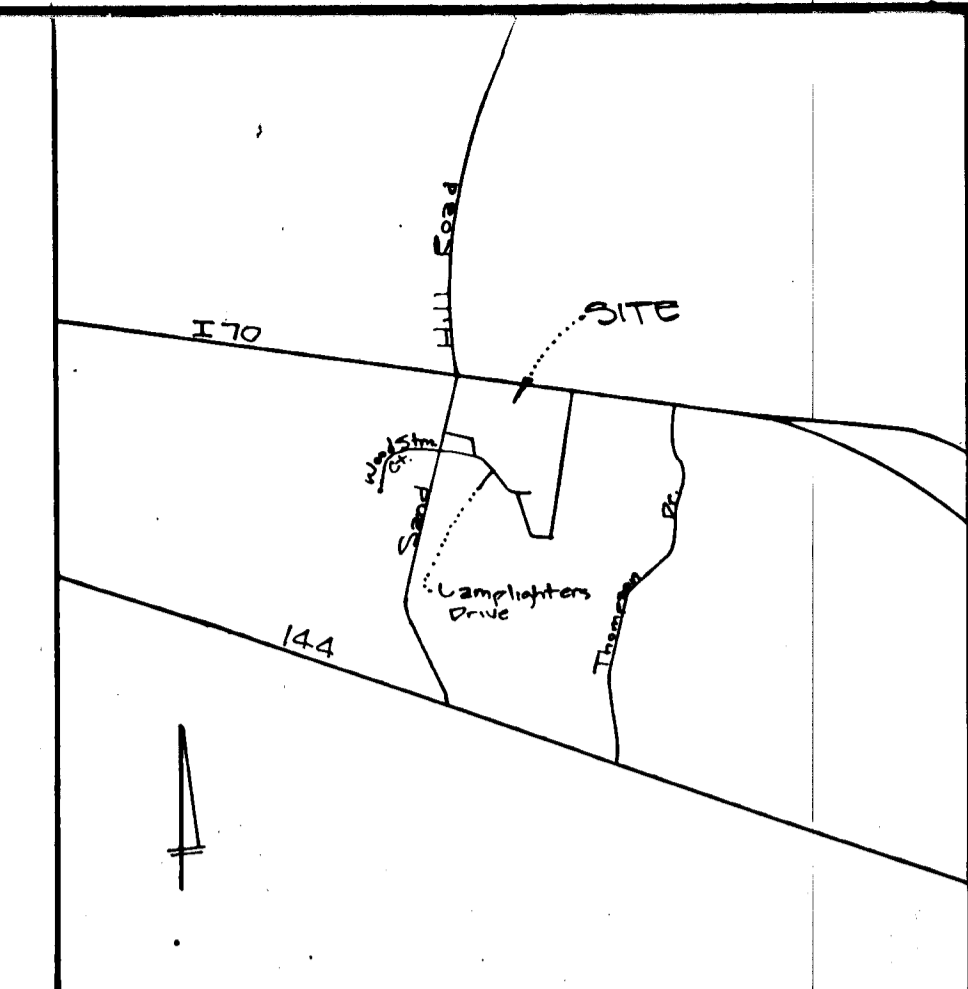
588-71  
P88-76  
WP88-151  
F87-23

DATE  
SEP 1988  
DRAWN  
MCH  
CHECKED  
N/C  
SCALE  
AS SHOWN

Sheet  
2  
of 5  
PROJECT NO.  
156-05

156

LOT TABULATION				
LOT	TOTAL AREA	FIFE STEM	MIN LOT	FLOOD PLAN 25% SLOPE NET AREA
6	4.6 Ac.	0.0 Ac.	4.6 Ac.	2.97 Ac.
7	5.85 Ac.	0.0 Ac.	5.85 Ac.	2.88 Ac.
8	3.0 Ac.	0.0 Ac.	3.0 Ac.	2.88 Ac.
9	3.35 Ac.	0.15 Ac.	3.17 Ac.	3.30 Ac.
10	3.25 Ac.	0.20 Ac.	3.07 Ac.	2.87 Ac.
11	4.31 Ac.	0.31 Ac.	4.0 Ac.	3.94 Ac.
12	3.0 Ac.	0.0 Ac.	3.0 Ac.	3.0 Ac.
13	3.0 Ac.	0.0 Ac.	3.0 Ac.	3.0 Ac.



VICINITY MAP  
SCALE: 1" = 2000'

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: 1) SEVEN (7) CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIPS, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, 2) FOURTEEN (14) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON PROJECT SITE.

NOTE: THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 792-7272.

DEVELOPER'S CERTIFICATE

"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."

*Richard J. Gammitt* 10-10-88  
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 SOIL CONSERVATION DISTRICT."

*John P. Adams* 02/07/89  
DATE

REVIEWED FOR HOWARD S.C.D. AND MEET TECHNICAL REQUIREMENTS.

*John P. Adams* 2/23/89  
DATE

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

*John P. Adams* 2/23/89  
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Paul H. Ryan* 4/10/89  
DATE

CHIEF, LAND DEVELOPMENT DIVISION

*Stanley W. Neal* 3/17/89  
DATE

CHIEF, BUREAU OF HIGHWAY

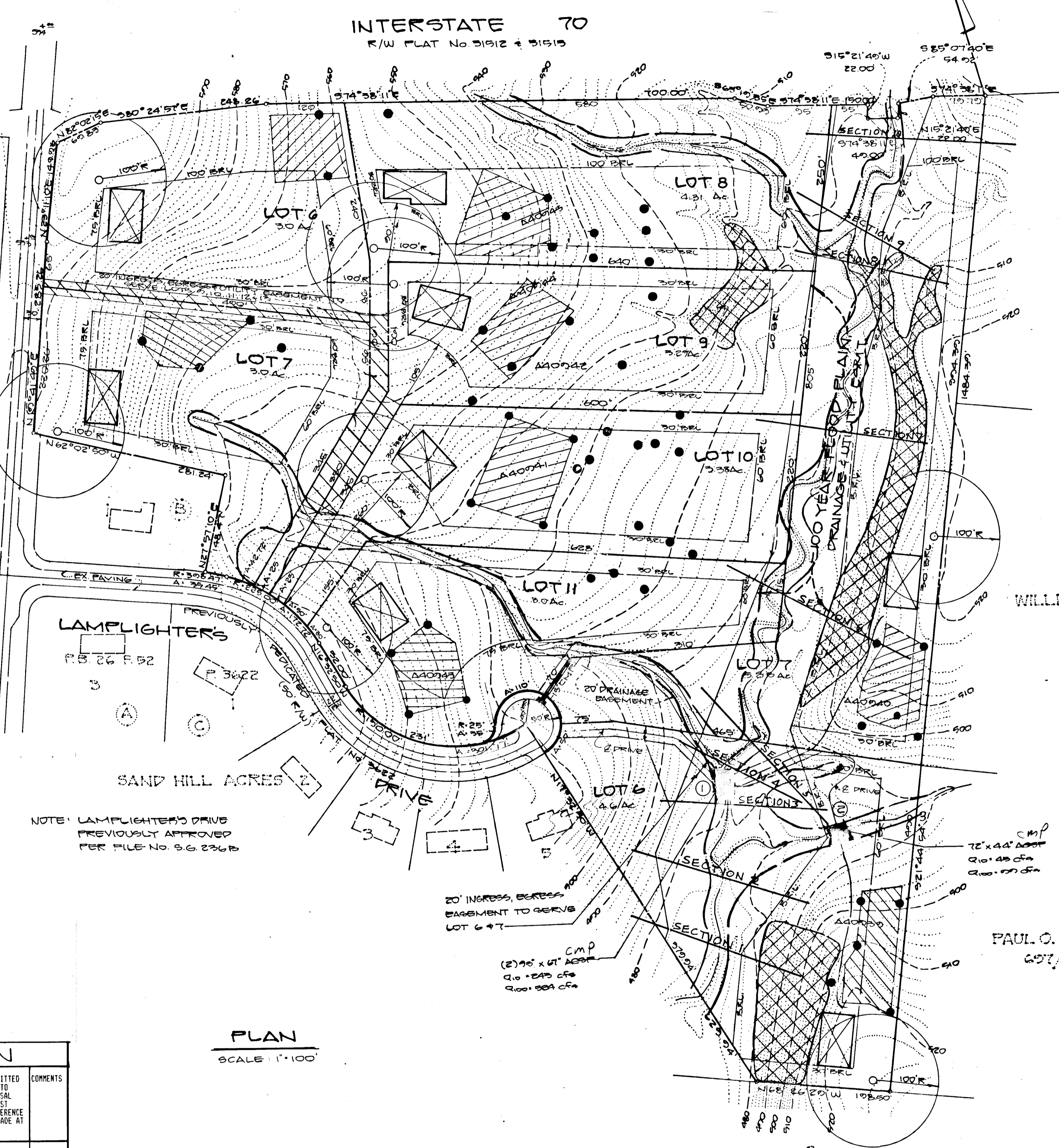
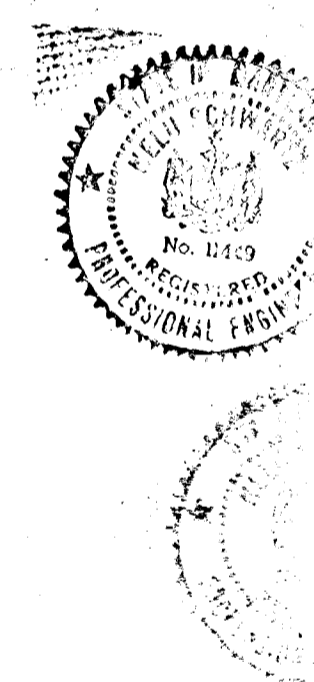
*William E. Ray* 3-17-89  
DATE

CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

*Harold S. Langley* 4/10/89  
DATE

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT



- LEGEND**
- PROPOSED HOUSE
  - PROPOSED WELL & SETBACK
  - PROPOSED SEPTIC 10,000 GPM MIN.
  - 25% SLOPE
  - 100 YEAR FLOOD PLAN
  - WETLANDS BOUNDARY
  - WETLANDS IMPACT
  - IMPACT AREA

PLAN  
SCALE: 1" = 100'

PERC TABULATION			
TEST NO.	AVERAGE PERCOLATION TIME IN MINUTES PER 2ND INCH	MAXIMUM DEPTH PERMITTED FOR EFFLUENT PIPE TO ENTER SEWAGE DISPOSAL AREA AT ITS HIGHEST ELEVATION WITH REFERENCE TO THE EXISTING GRADE AT THE TIME OF PERC.	COMMENTS
A40030	3	7	
A40040	5	7	
A40041	5	8	
A40042	10	7	
A40043	4	6	
A40044	24	7	
A40045	3	7	
LOT 12			
LOT 13			

Owner/Developer:  
HILLTOP DEVELOPMENT INC.  
PO BOX 208  
CLARKSVILLE, MD 21029  
(301) 531-5530

NO.	REVISIONS	DATE

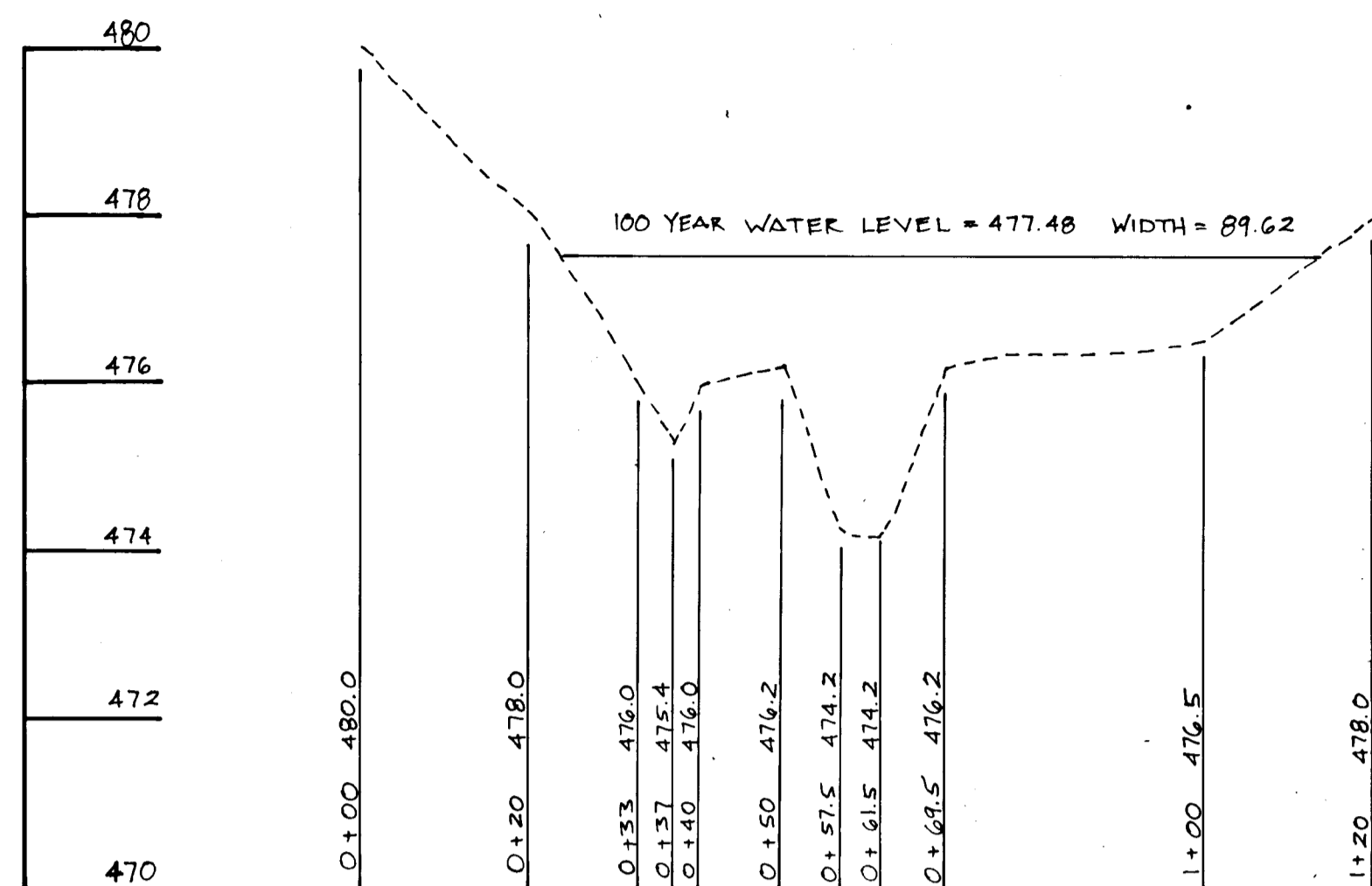


**DEVELOPMENT CONSULTANTS GROUP, INC.**  
17904 GEORGIA AVENUE # 102  
OLNEY, MARYLAND 20832  
301-924-4570

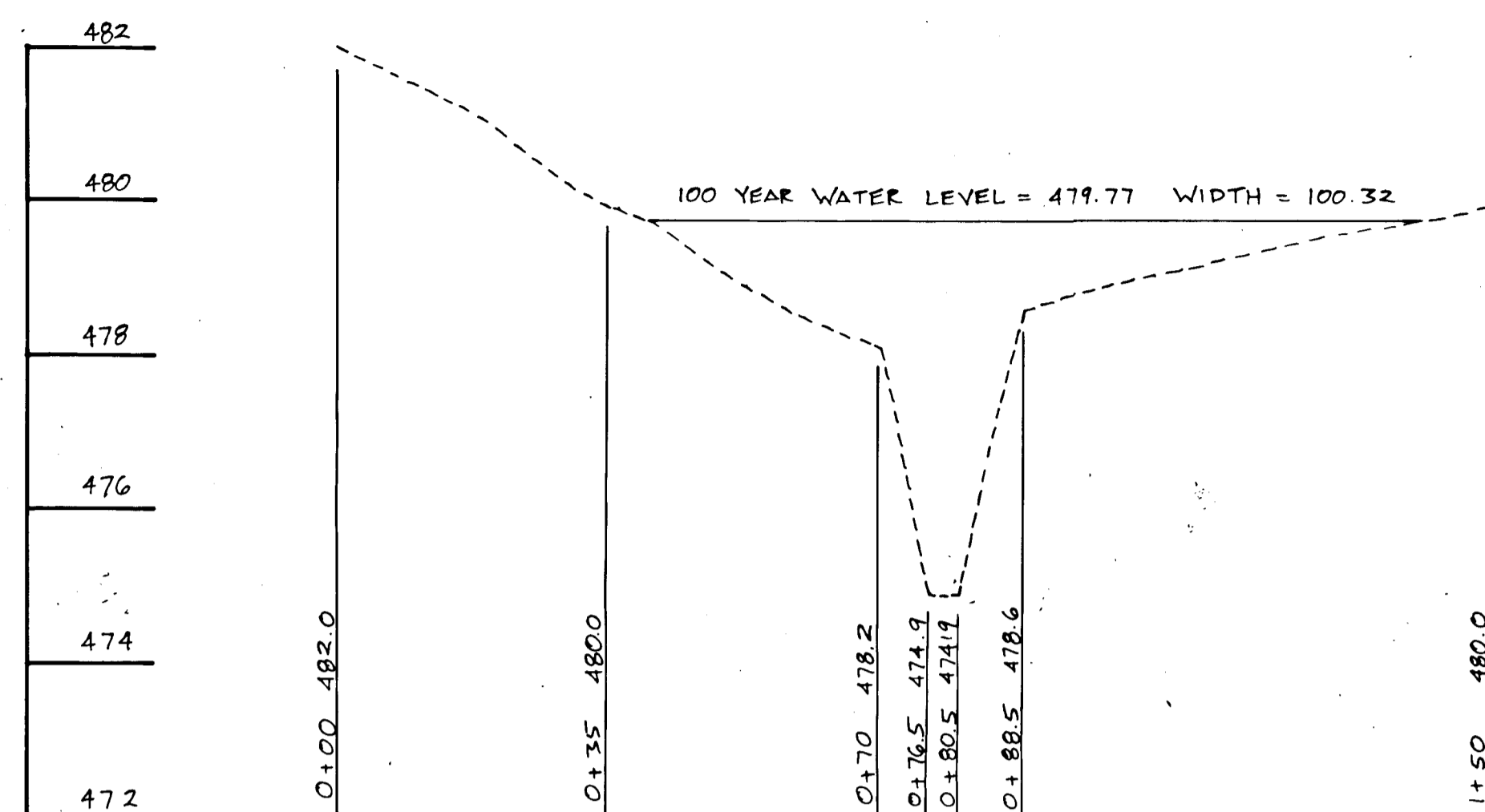
WETLANDS STUDY  
SECTION THREE  
**SAND HILL ACRES**  
SFP ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
TAX MAP 16, PARCELS 5

9-88-71  
7-88-76  
W.P. 88-181  
F. 89-23

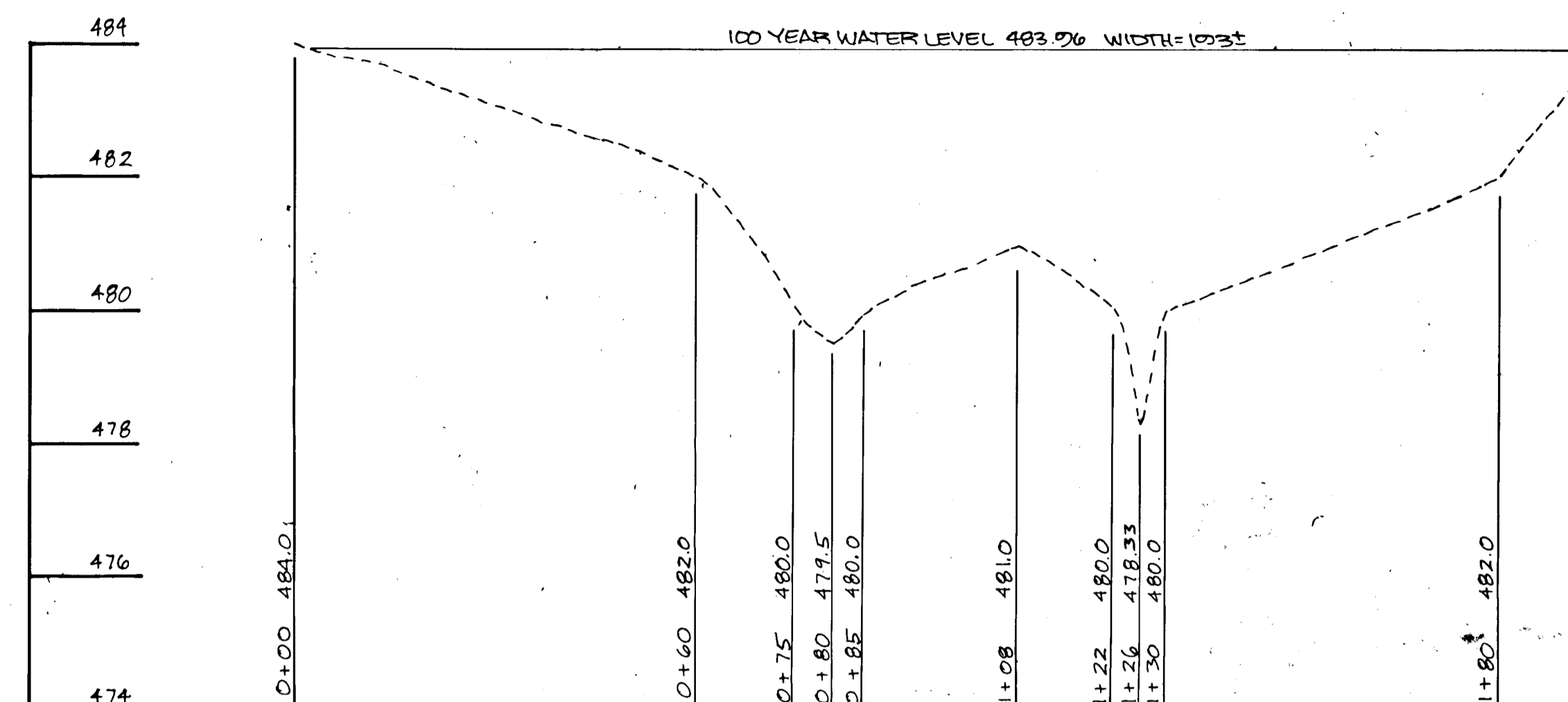
DATE	SHEET
APRIL, 88	3
DRAWN MAM	of 5
CHECKED JDL	PROJECT NO.
SCALE 1" = 100'	126-108



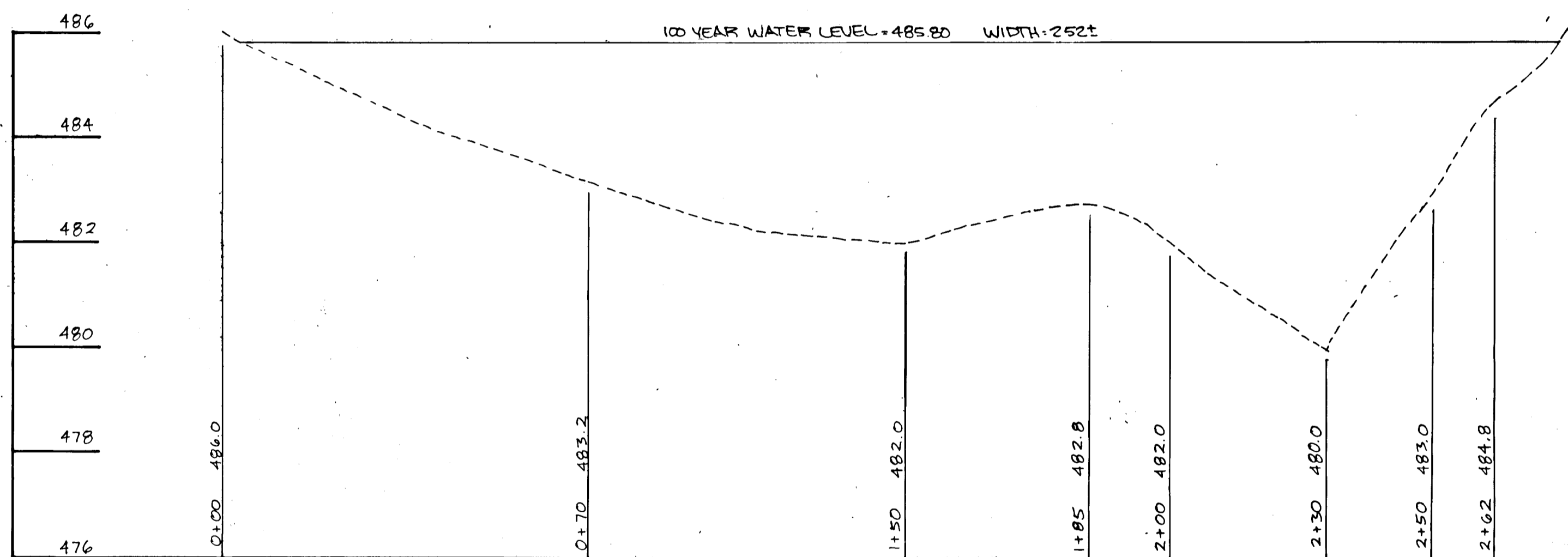
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VERTICAL: 1" = 2'



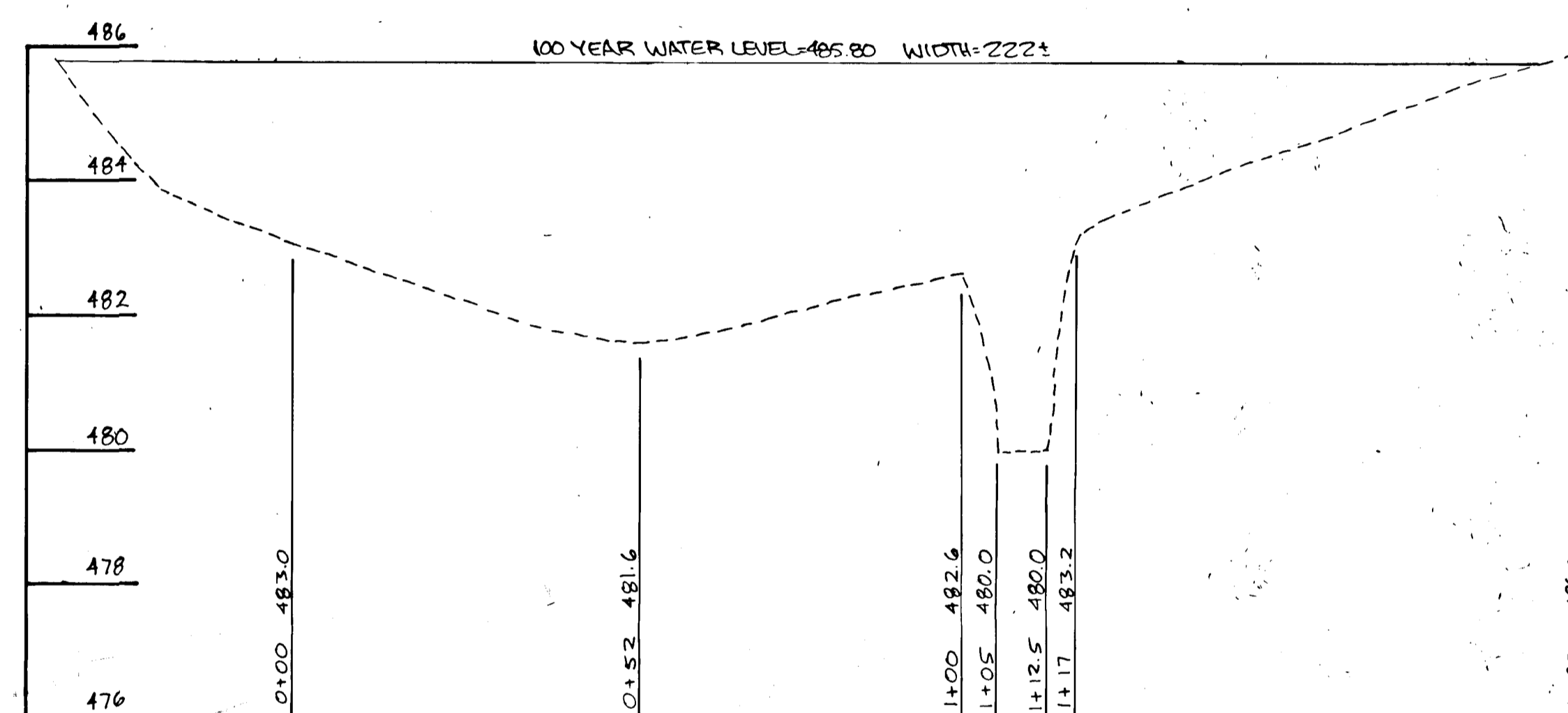
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VERTICAL: 1" = 2'



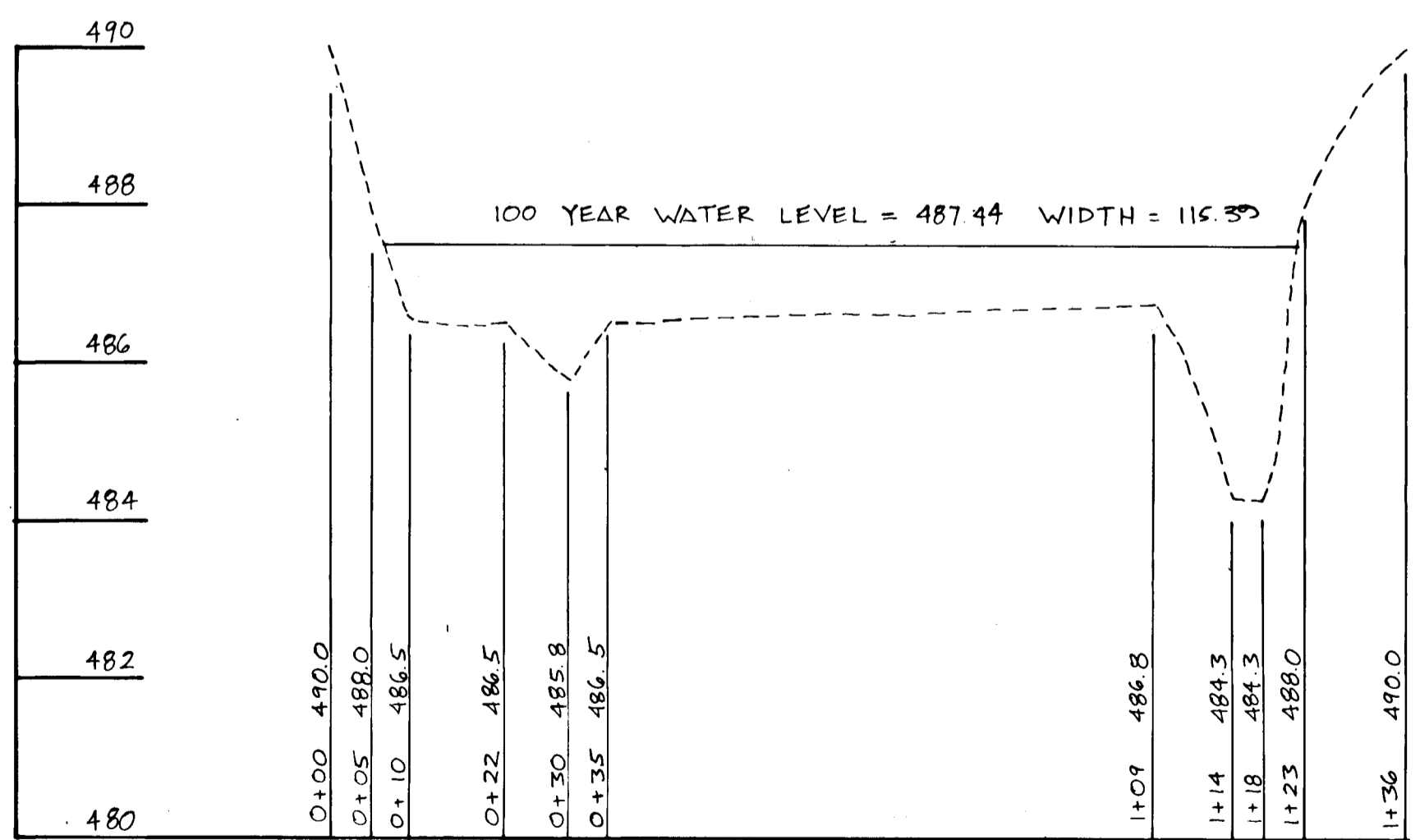
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SCALE: HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 2'



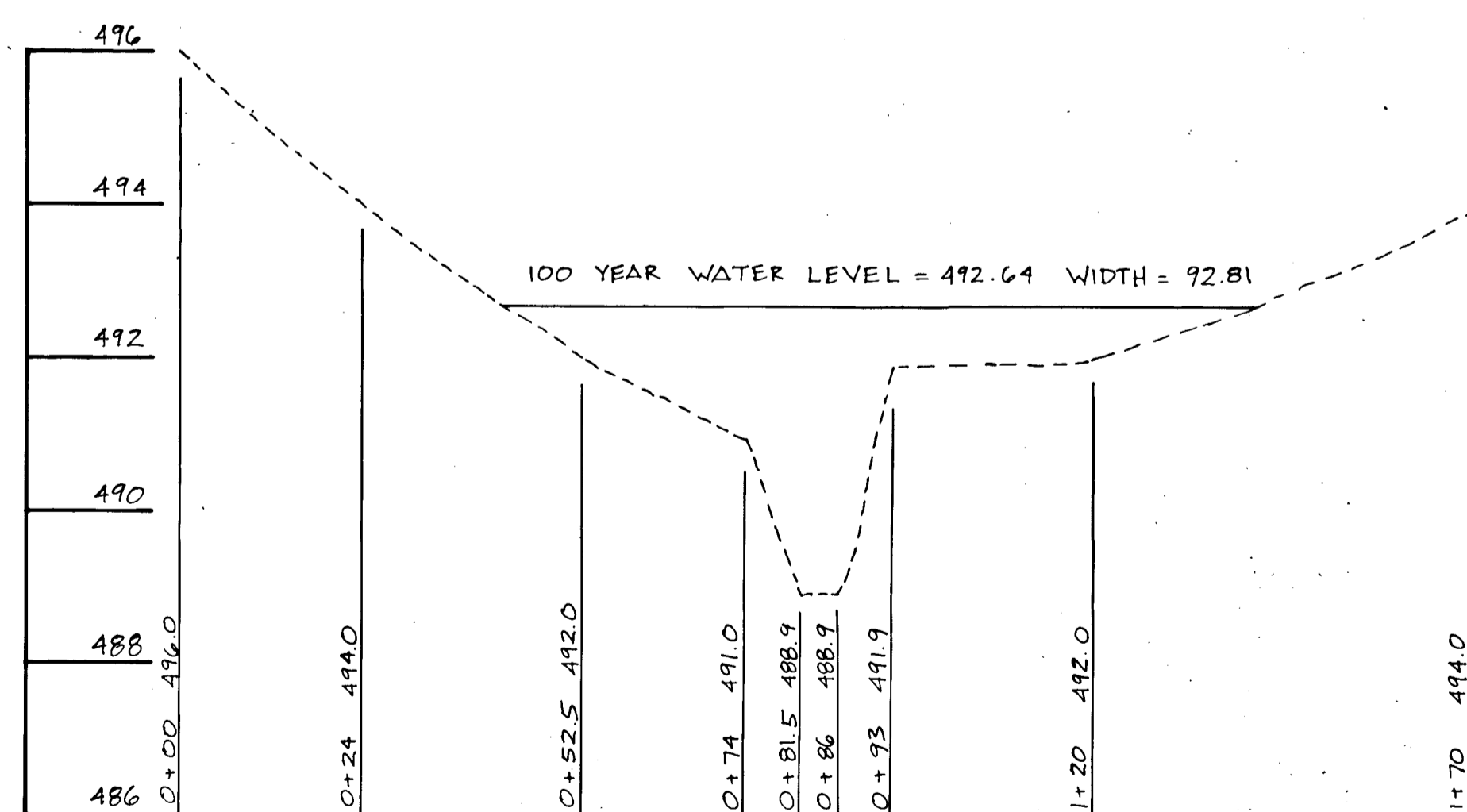
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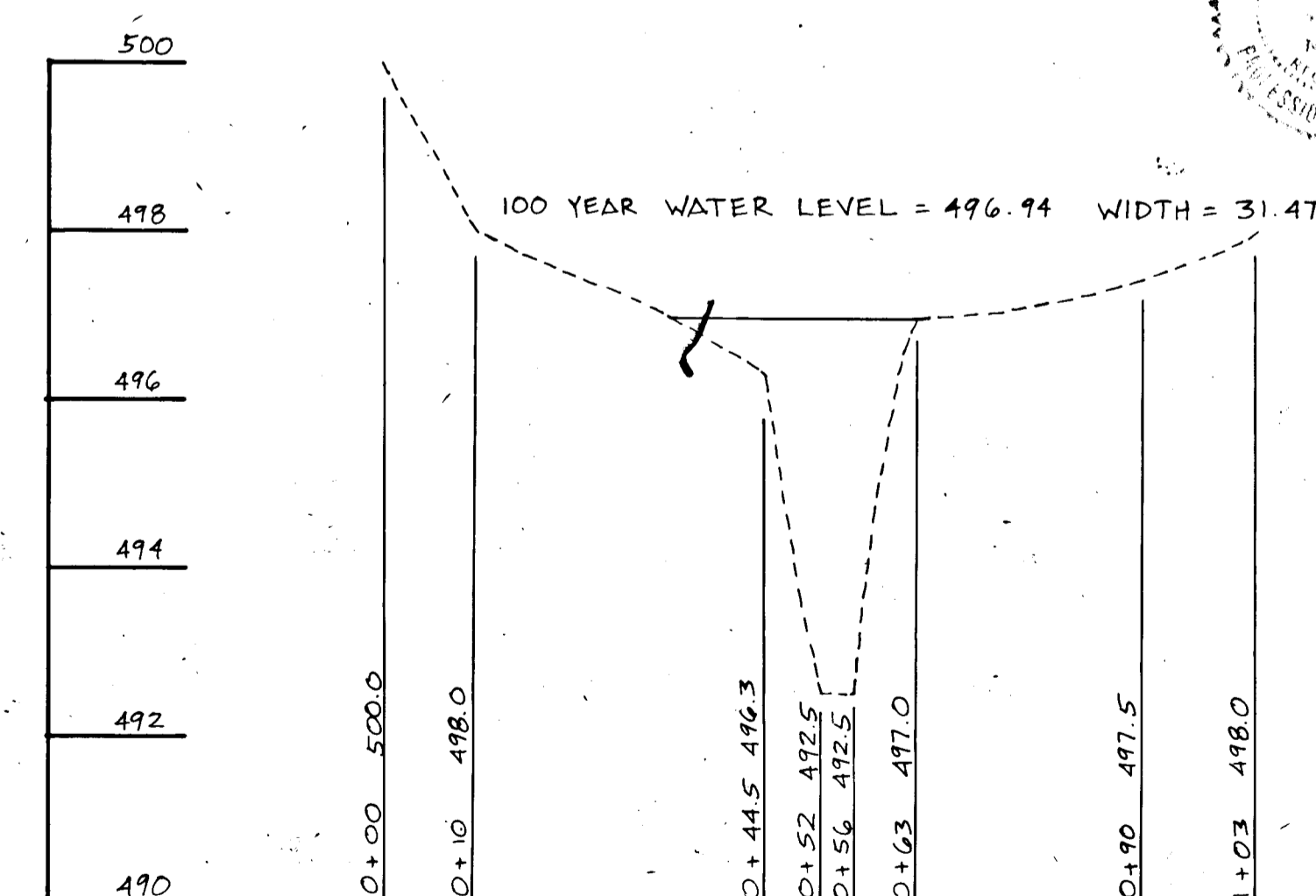
SECTION 5  
SCALE: HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 2'



SECTION 6  
SCALE: HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 2'



SECTION 7  
SCALE: HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 2'



SECTION 8  
SCALE: HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 2'

NOTE: ALL ELEVATIONS ARE FROM MGS DATUM.

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: 1) SEVEN (7) CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, PIPE, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 5:1, 2) FOURTEEN (14) DAYS FOR ALL OTHER DISTURBED OR GRABBED AREAS ON PROJECT SITE.

NOTE: THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 752-1212.

ENGINEER'S CERTIFICATE  
"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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."  
*William J. Deane* 10/10/89 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 SOIL CONSERVATION DISTRICT."  
*John E. Long* 02/07/89 DATE

REVIEWED FOR HOWARD S.O.D. AND MEETS TECHNICAL REQUIREMENTS.  
*John M. Adams* 2/23/89 DATE  
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John M. Adams* 2/23/89 DATE  
HOWARD S.O.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SANITARY SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.  
*Frank J. Langley* 2/12/89 DATE  
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
*William J. Deane* 4/10/89 DATE  
CHIEF, LAND DEVELOPMENT DIVISION  
*Francis W. Wilkerson* 2/17/89 DATE  
CHIEF, BUREAU OF HIGHWAY  
*William J. Deane* 3-11-89 DATE  
CHIEF, BUREAU OF ENGINEERING

Owner/Developer:  
HILLTOP DEVELOPMENT  
P.O. BOX 208  
CLARKSVILLE, MD 20229  
(301) 531-5539

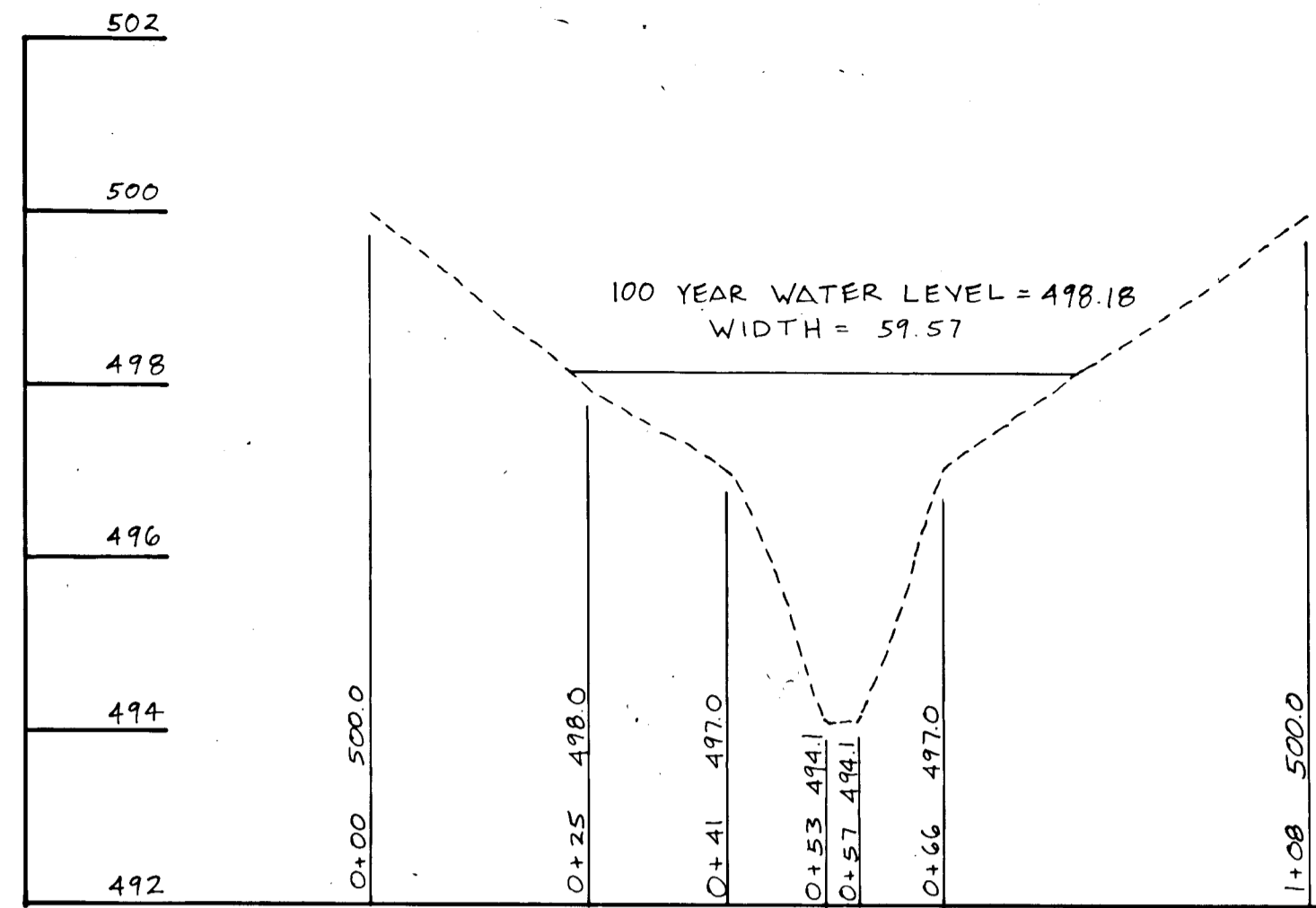
NO.	REVISIONS	DATE



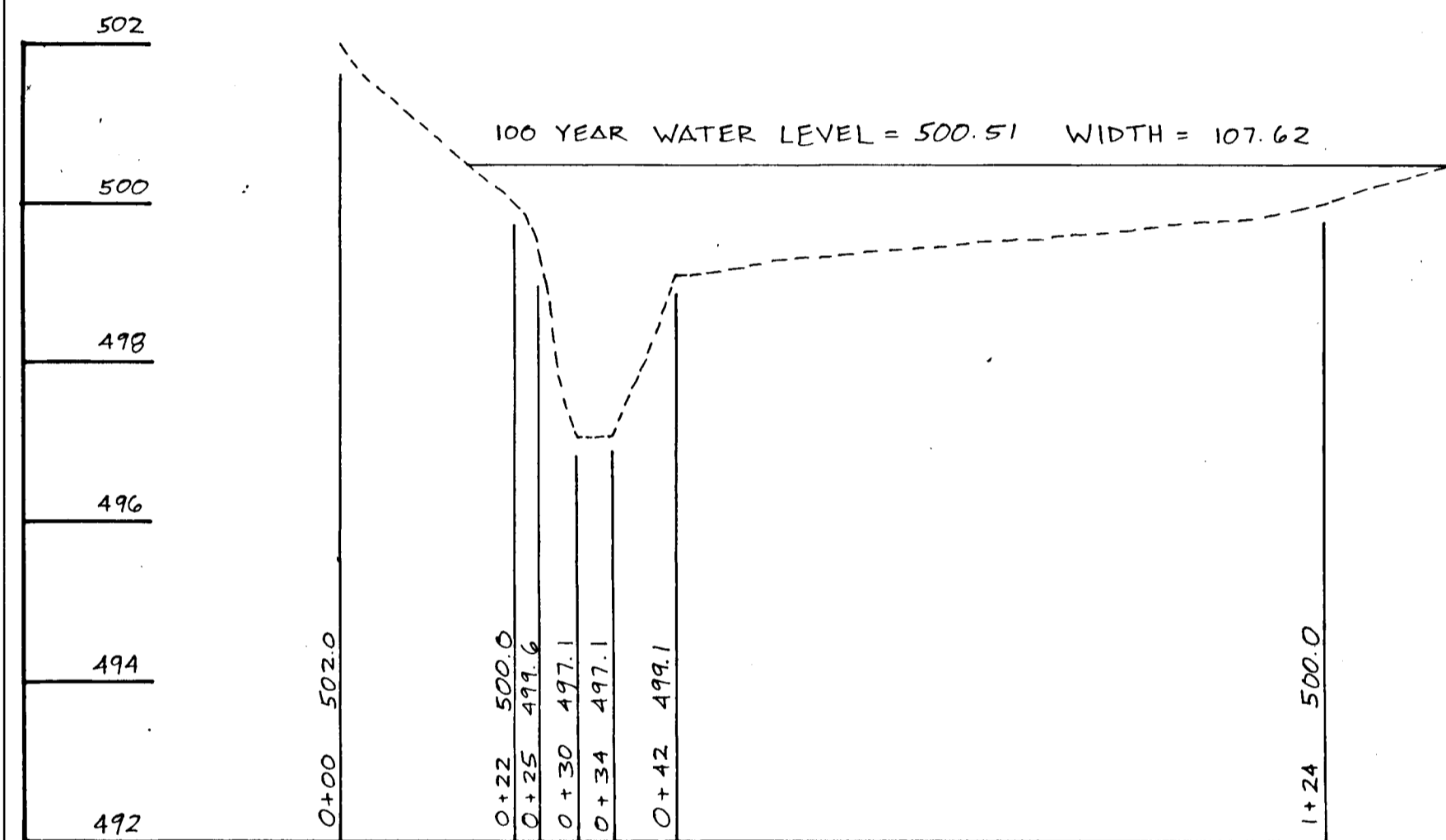
**DEVELOPMENT CONSULTANTS GROUP, INC.**  
17904 GEORGIA AVENUE # 102  
OLNEY, MARYLAND 20832  
301-924-4570

CROSS SECTION  
SECTION THREE AREA TWO  
SAND HILL ACRES  
358 ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
TAX MAP 16, PARCEL 5

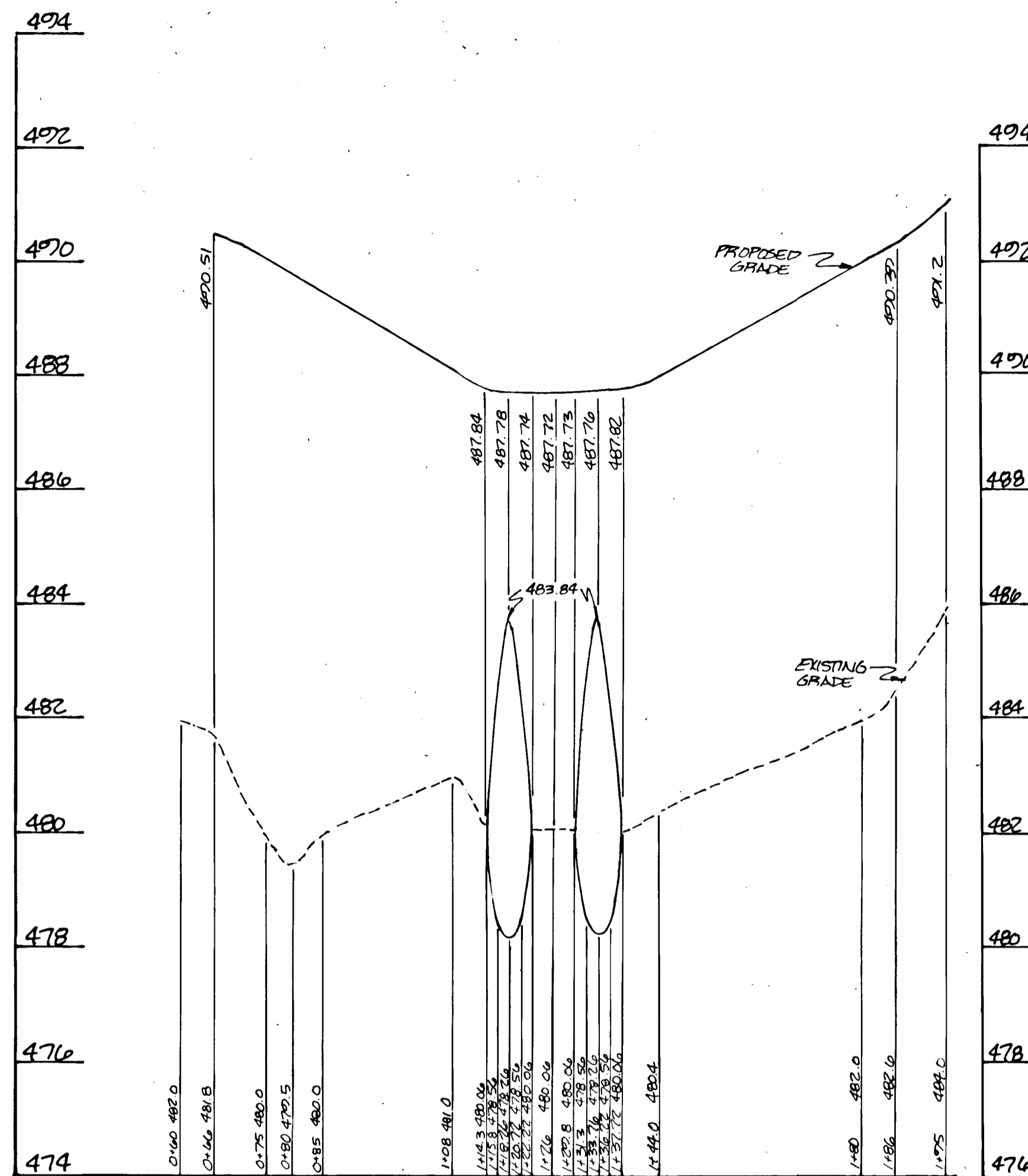
588-71	DATE SEP 1988	Sheet 4
P88-76	DRAWN L.S.M.	of 5
WP 88-151	CHECKED N.S.	PROJECT NO. 136-05
F 89-23	SCALE AS SHOWN	



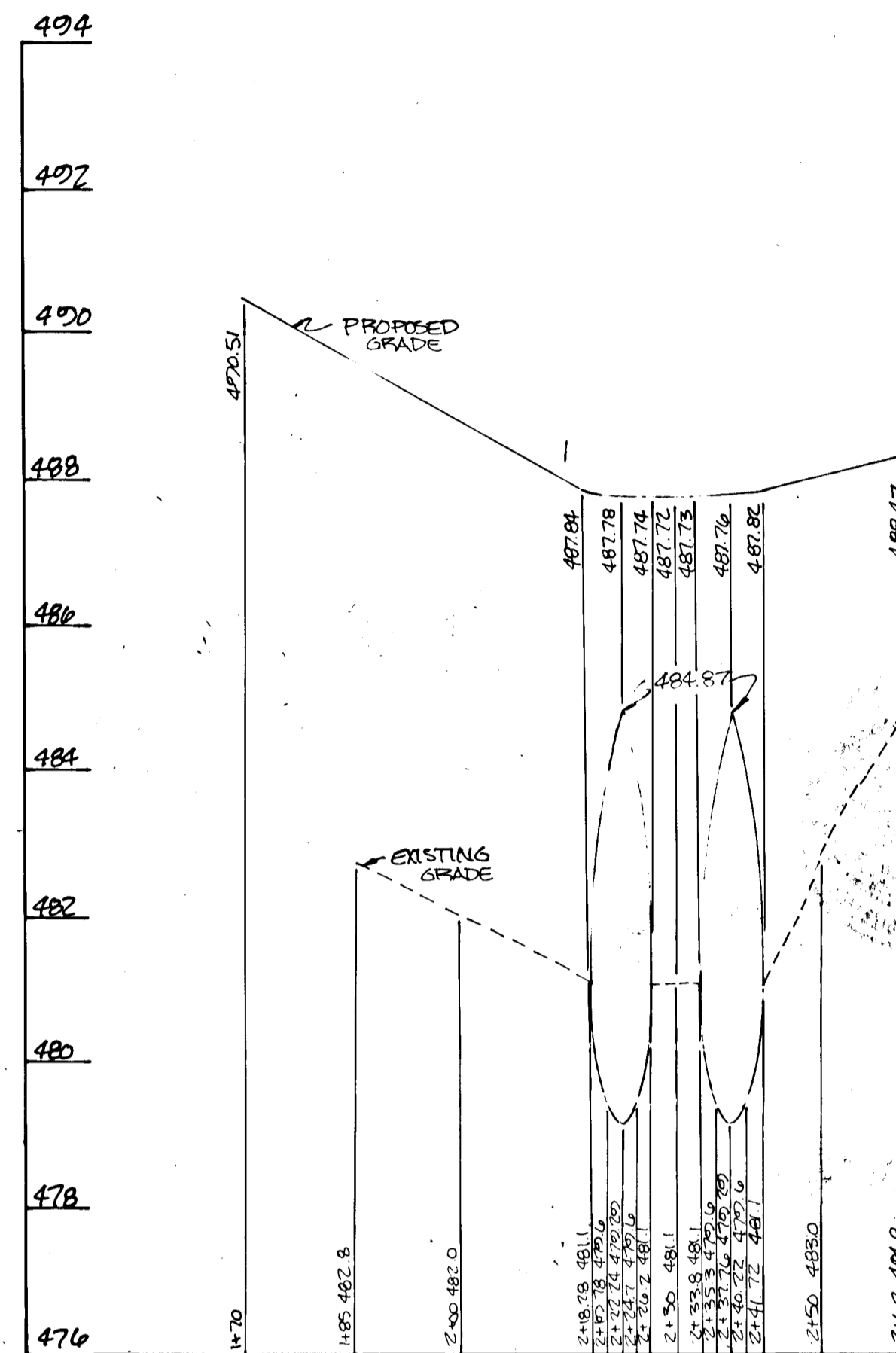
**SECTION 9**  
SCALE: HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 2'



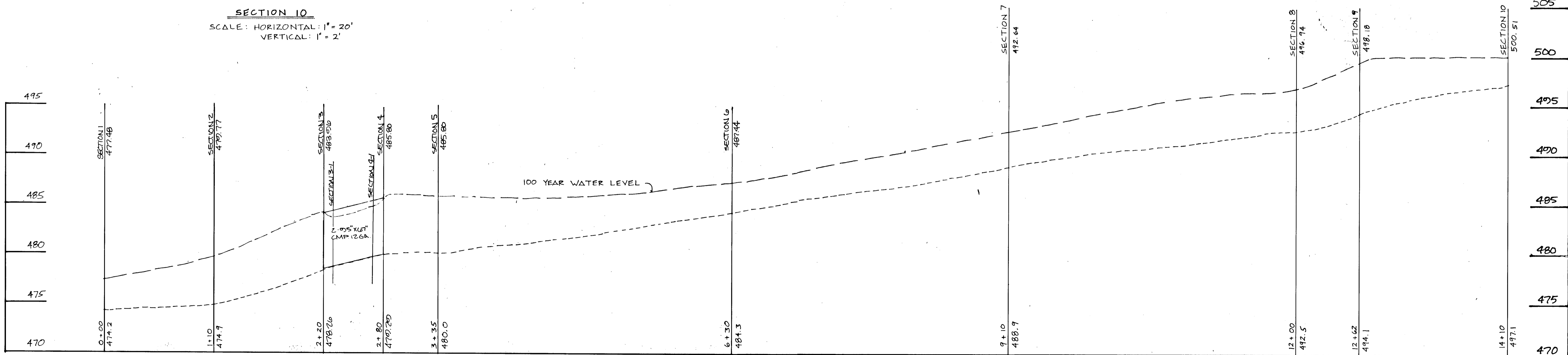
**SECTION 10**  
SCALE: HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 2'



**SECTION 3-1**  
SCALE: HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 2'



**SECTION 4-1**  
SCALE: HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 2'



**PROFILE CENTERLINE OF THE STREAM**  
SCALE: HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'

FOLLOWING INITIAL SOIL DISTURBANCE OR REDEVELOPMENT, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: 1) SEVEN (7) CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, PILES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 5:1, 2) FOURTEEN (14) DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON PROJECT SITE.  
NOTE: THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 752-7272.

**DEVELOPER'S CERTIFICATE**  
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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Michael J. Bennett* 10/10/88  
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 SOIL CONSERVATION DISTRICT.  
*Mark S. DeAngelis* 02/07/89  
DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
*John H. Hahn* 2/23/89  
DATE  
SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*John H. Hahn* 2/23/89  
DATE  
HOWARD S.C.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SANITATION SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
*Mark S. DeAngelis* 4/10/89  
DATE  
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.  
*Mark S. DeAngelis* 4/10/89  
DATE  
PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Charles D. Egan* 4/10/89  
DATE  
CHIEF, LAND DEVELOPMENT DIVISION

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*William J. Hill* 2/17/89  
DATE  
CHIEF, BUREAU OF HIGHWAY  
*William J. Hill* 2/17/89  
DATE  
CHIEF, BUREAU OF ENGINEERING

Owner/Developer:  
HILLTOP DEVELOPMENT  
P.O. BOX 208  
CLARKSVILLE, MD 21029  
(301) 531-5539

NO.	REVISIONS	DATE



**DEVELOPMENT CONSULTANTS GROUP, INC.**  
17904 GEORGIA AVENUE # 102  
OLNEY, MARYLAND 20832  
301-924-4570

CROSS SECTION  
SECTION THREE AREA TWO  
SAND HILL ACRES  
36<sup>th</sup> ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
TAX MAP: 16, PARCEL: 5

DATE SEP 1988	Sheet 5
DRAWN LSM	of 5
CHECKED N.S.	PROJECT NO. 136-05
SCALE AS SHOWN	