

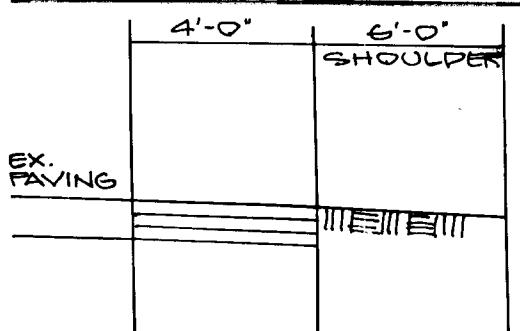
NOTE A: WHEN EXISTING TRAVEL LANE IS LESS THAN THE REQUIRED 12' LANE, CONTRACTOR SHALL REMOVE ENOUGH OF THE EXISTING ROAD BED TO PROVIDE A MINIMUM BASE WIDENING OF 4'.

NOTE B: THE SURFACE OVERLAY SHALL BE CARRIED TO THE FULL WIDTH OF THE ROAD AND NOTICED AND SEALED.

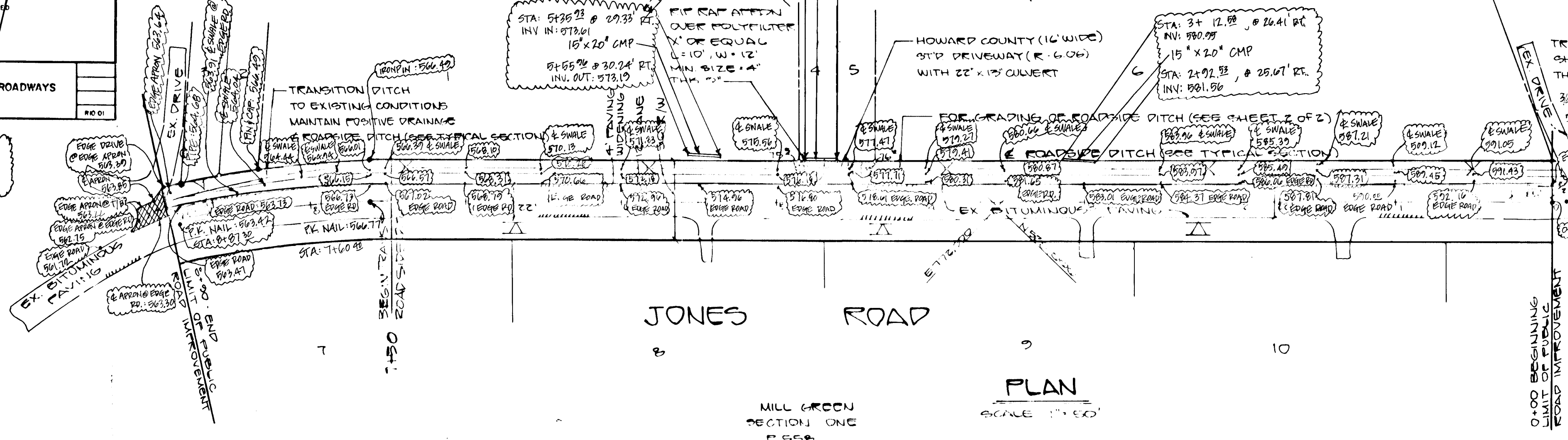
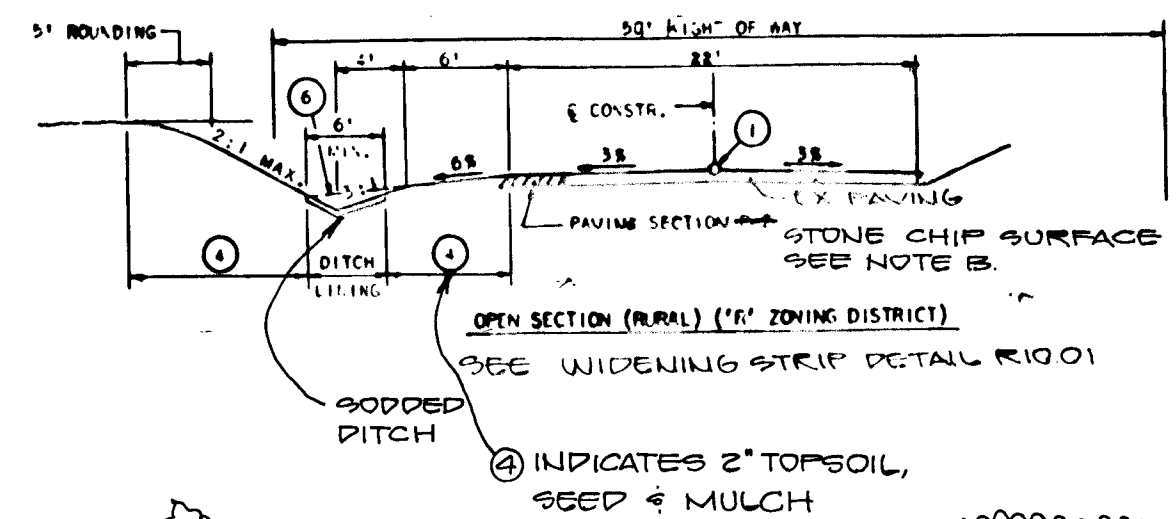
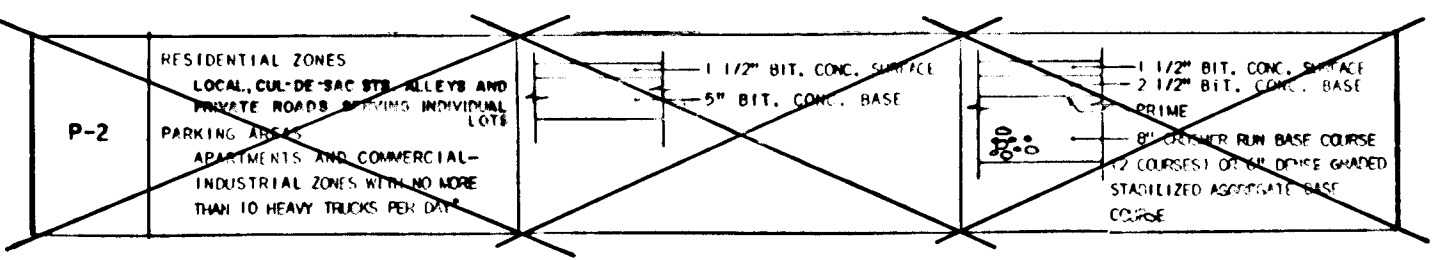
NOTE C: SURFACE OVERLAY COURSE TO BE EQUAL TO SURFACE COURSE OF TYPICAL PAVING SECTION.

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: _____ Date: _____
Chief-Dir. of Eng.

WIDENING STRIPS ALONG EXISTING ROADWAYS
NO SCALE

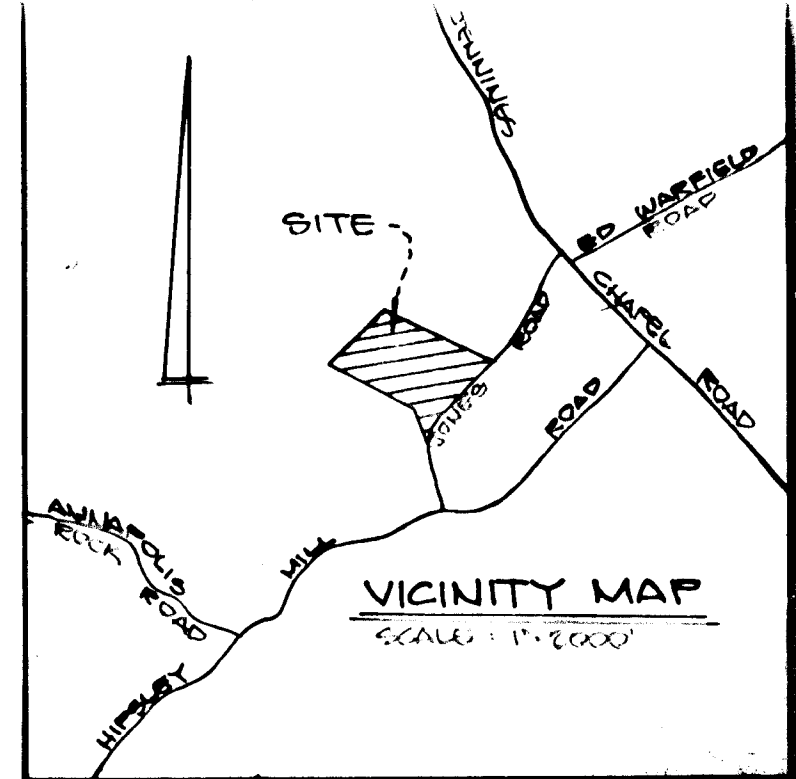


NOTE 5:
- MINIMUM 2" OF COMPACTED CRUSHED RUN M.S.R.C. SPEC. 2 LBS CALCIUM CHLORIDE PER SQ. FT. - LEAVE 30 DAYS
- 5/10 GAL OIL PER SQ. FT.
- #3 STONE 75 LBS PER SQ. FT.
- 7/10 GAL OIL PER SQ. FT.
- #4 STONE 50 LBS PER SQ. FT.
- 5/10 GAL OIL PER SQ. FT.
- #7 STONE 30 LBS PER SQ. FT.
(THE SURFACE TYPE TO BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE C50 HOWARD CO. RES. SPCOS.)



JONES ROAD

PLAN
SCALE 1" = 20'



DEVELOPER'S CERTIFICATE
I/VE 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.
Ted Chavara 5/20/87
DATE

ENGINEER CERTIFICATE
I/VE REVIEWED THIS PLAN FOR EROSION AND SEDIMENT CONTROL AND HAVE FOUND IT TO BE A PRACTICAL AND WORKABLE PLAN BASED ON THE RECORDS OF THE SITE CONDITIONS AND THAT IT IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] 5/21/87
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 9-17-87
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 9-21-87
DATE

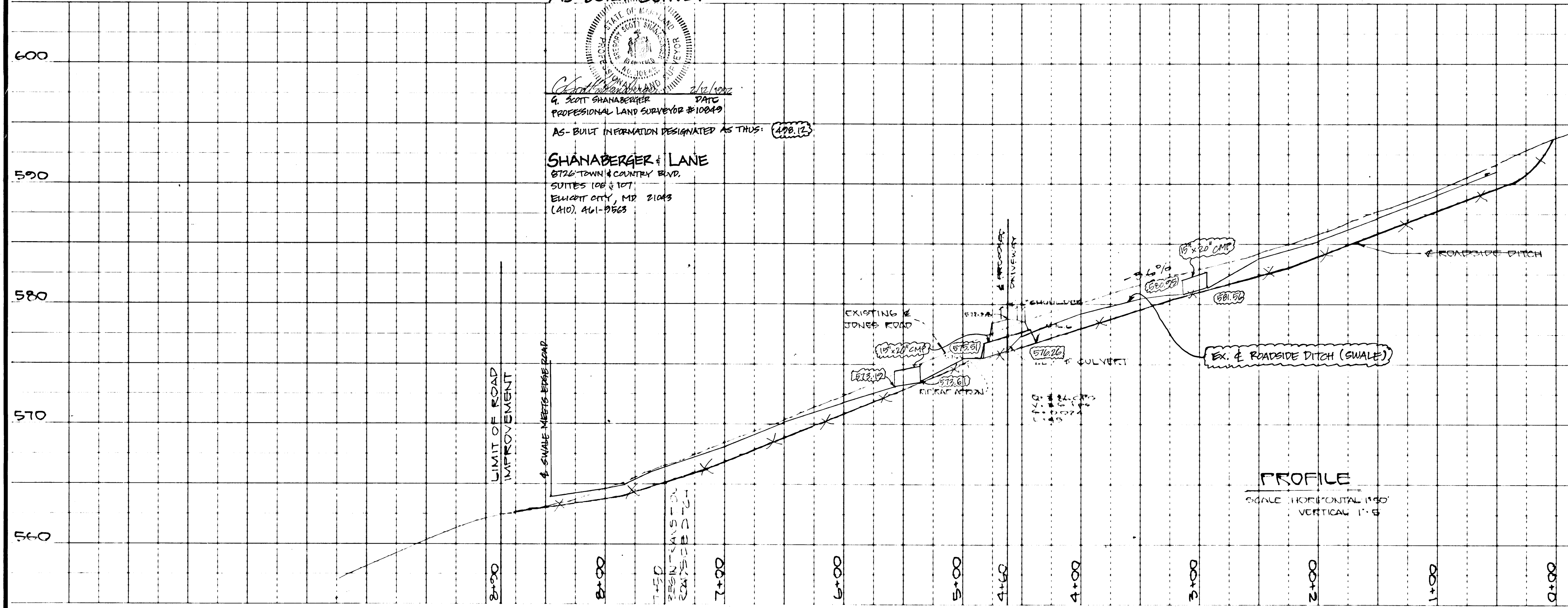
REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
[Signature] 9-15-87
DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] 9/14/87
DATE

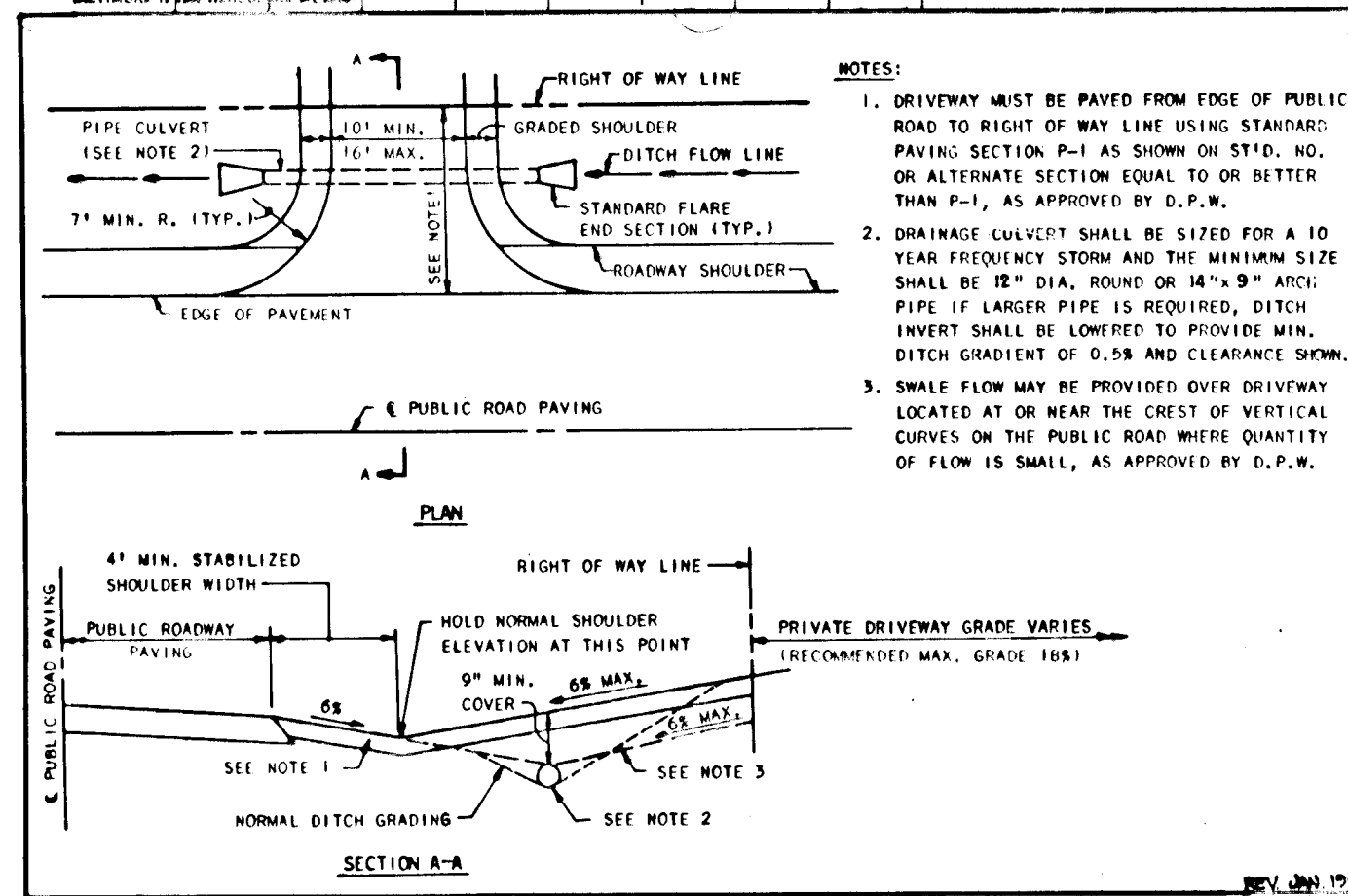
AS-BUILT SURVEY

AS-BUILT INFORMATION DESIGNATED AS THIS:
[Signature] 2/1/1987
DATE

SHANBERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITES 108 & 107
ELLSWORTH CITY, MD 21043
(410) 461-9563



PROFILE
SCALE HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

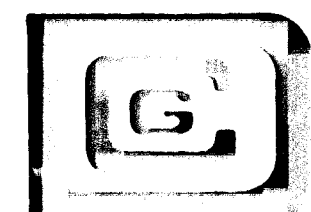


HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: _____ Date: _____
Chief-Dir. of Eng.

RESIDENTIAL DRIVEWAY ENTRANCE
CONNECTION TO OPEN SECTION ROADWAY

Owner, Developer:
TED CHAVARA
19210 NEWVALESHIRE AVE.
KENSINGTON, MD 20882

NO.	REVISIONS	DATE
1	REVISED DRIVEWAY ENTRANCE	9-14-88
2	REVISED WIDENING STRIP	9-22-88



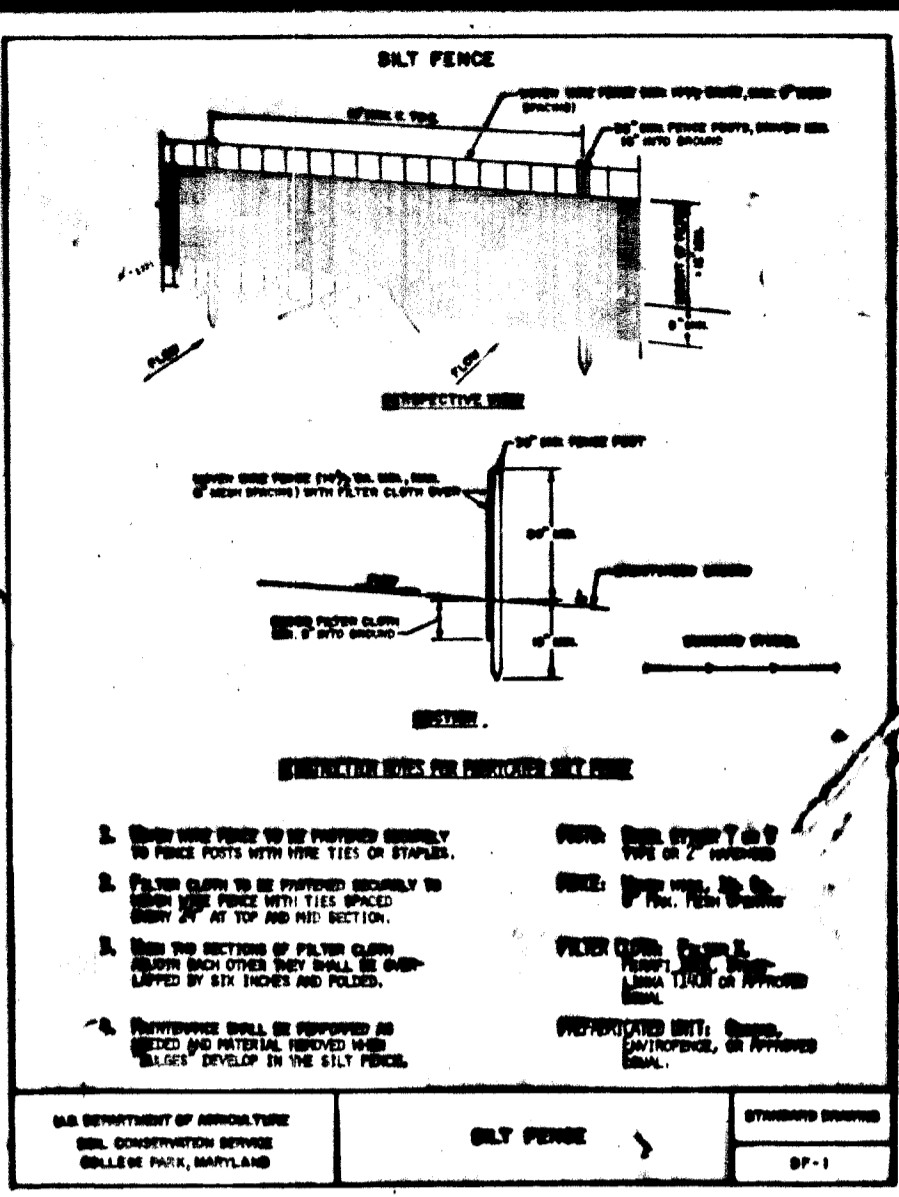
DEVELOPMENT CONSULTANTS GROUP, INC.

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

ENGINEERING AND DRAINAGE PLAN
FOR PUBLIC IMPROVEMENT TO
JONES ROAD
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
TAX MAP 15-20 PARCEL 43

DATE: 9-21-87
DRAWN: M.A.M.
CHECKED: B.C.C.
SCALE: 1" = 20'
Sheet 1 of 3
PROJECT NO. 21-371

F-80-202

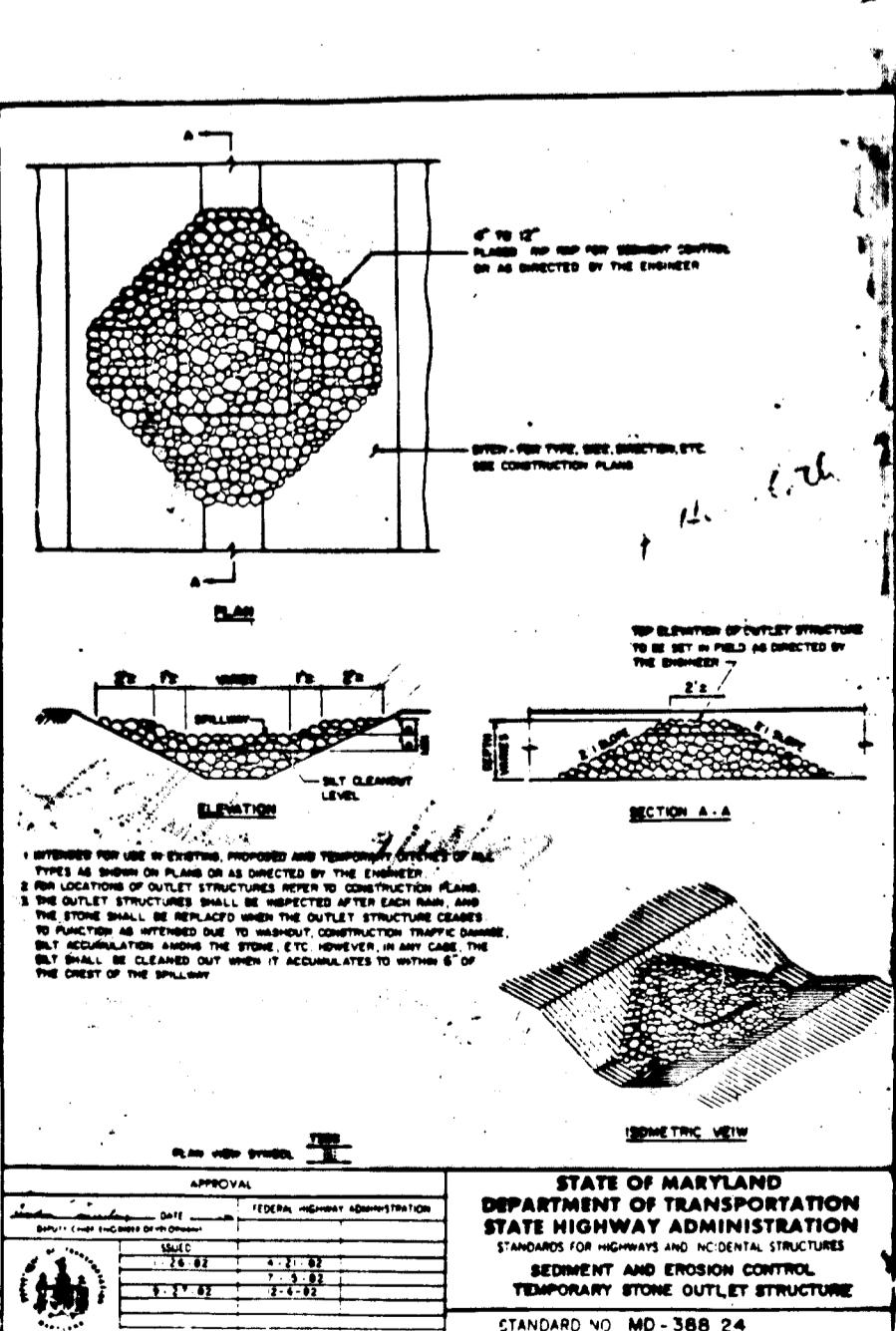


SEDIMENT CONTROL MEASURES

2. A minimum of 24 hours notice must be given to the Howard County Department of Inspection and Permits prior to the start of any construction. (902-2437)
3. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 BAYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
4. Following initial soil stabilization or reestablishment, permanent or temporary stabilization shall be completed within a 14-day period for all perimeter sediment control structures, ditches, perimeter slopes and all slopes greater than 3:1. No 14 days as to all other disturbed or graded areas on the project site.
5. All sediment traps/ditches shall be spaced and sited in accordance with the Howard County District Manual, Storm Drainage.
6. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 BAYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. B1) and (Sec. B2), temporary seeding (Sec. B3) and mulching (Sec. B4). Temporary stabilization with mulch alone may only be done where recommended seeding dates do not allow for proper germination and establishment of grasses.
7. All sediment control structures are to be installed in place and are to be maintained in operative condition until permanent stabilization has been obtained from the Howard County Sediment Control Inspector.
8. Site Analysis: Roads Daily

Total Area of Site	10.2001 Acres
Area Disturbed	0.90 Acres
Area to be Seeded	0.10 Acres
Area to be progressively established	0.80 Acres
Total Cut	370 Cu. Yds.
Total Fill	0 Cu. Yds.

 Debris waste/narrow area location - Quits this property.
9. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
10. Additional sediment controls must be provided, if deemed necessary by the Howard County DPV Sediment Control Inspector.
11. 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.



- SEQUENCE OF CONSTRUCTION**
1. Obtain necessary permits - 7/87
 2. Notify County 24 hours prior to commencement of construction - 7/87
 3. Clear and grub for stone outlet structure, silt trap & silt fence 7/87
 4. Install stone outlet structure, silt trap and silt fence - 7/87
 5. Clear and grub for grading of road and roadside ditch - 7/87
 6. Grade roadside ditch and remove necessary paving for this work. 8/87
 7. Install Bituminous paving. 8/87
 8. Stabilize disturbed area. 9/87
 9. Remove sediment control devices when approved by Sediment Control Inspector.

PERMANENT SEEDING RATE

Apply to graded or cleared areas not subject to immediate further disturbance which a permanent long-lived vegetative cover is needed.

TEMPORARY SEEDING RATE

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

SOIL ENHANCEMENT

Apply 400 lbs. per acre of 10-20-20 Fertilizer (10 lbs./1000 sq. ft.) before construction.

PERMANENT SEEDING RATE

Apply 400 lbs. per acre of 10-20-20 Fertilizer (10 lbs./1000 sq. ft.) before construction.

PERMANENT SEEDING RATE

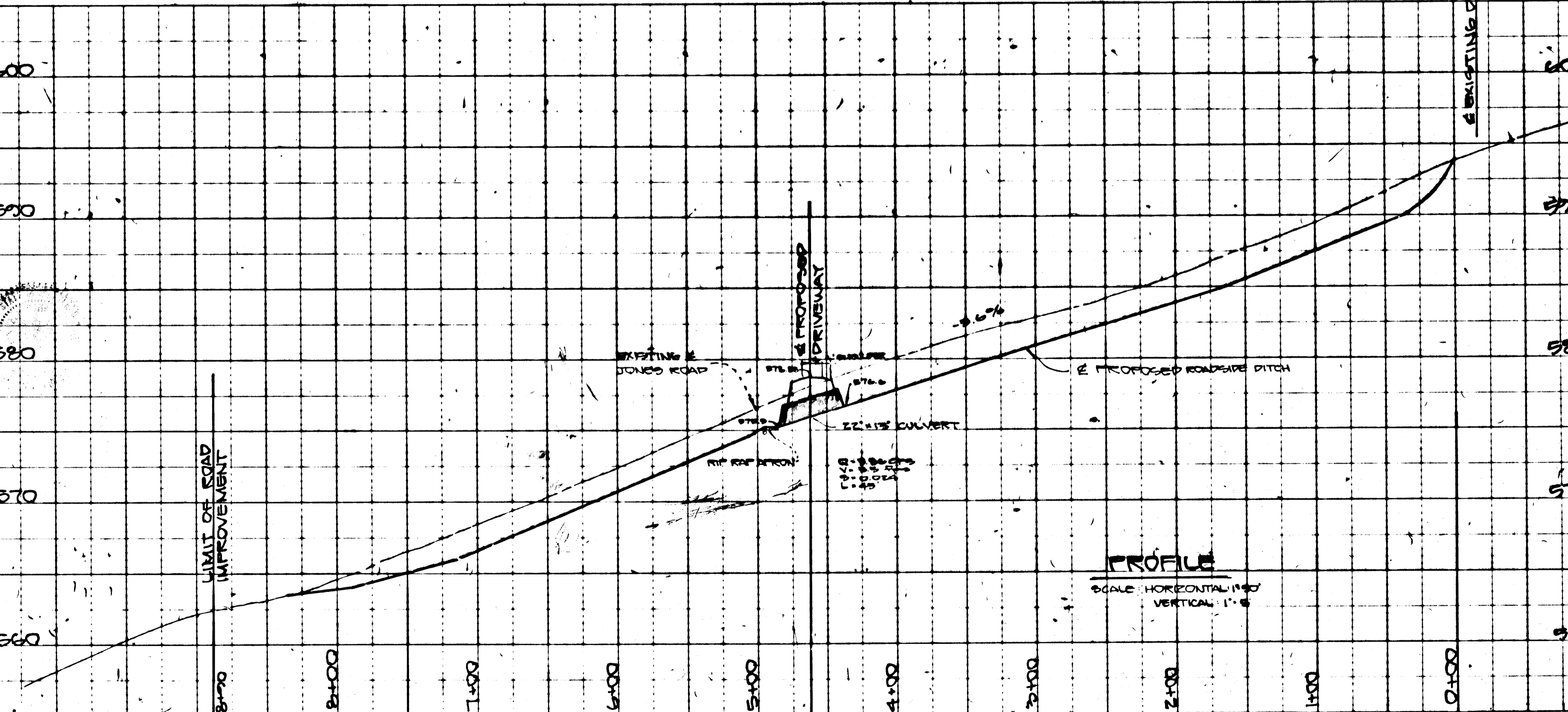
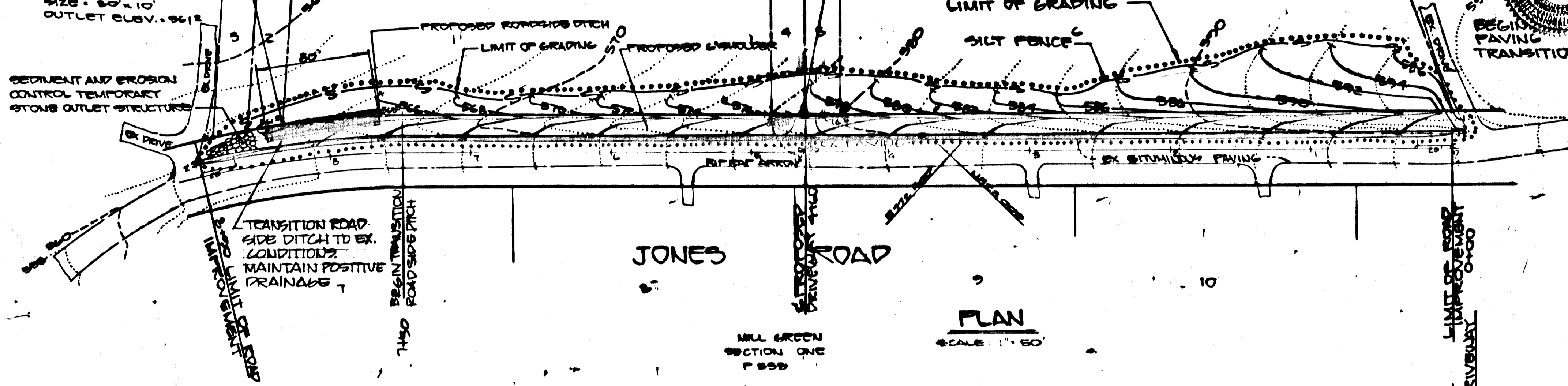
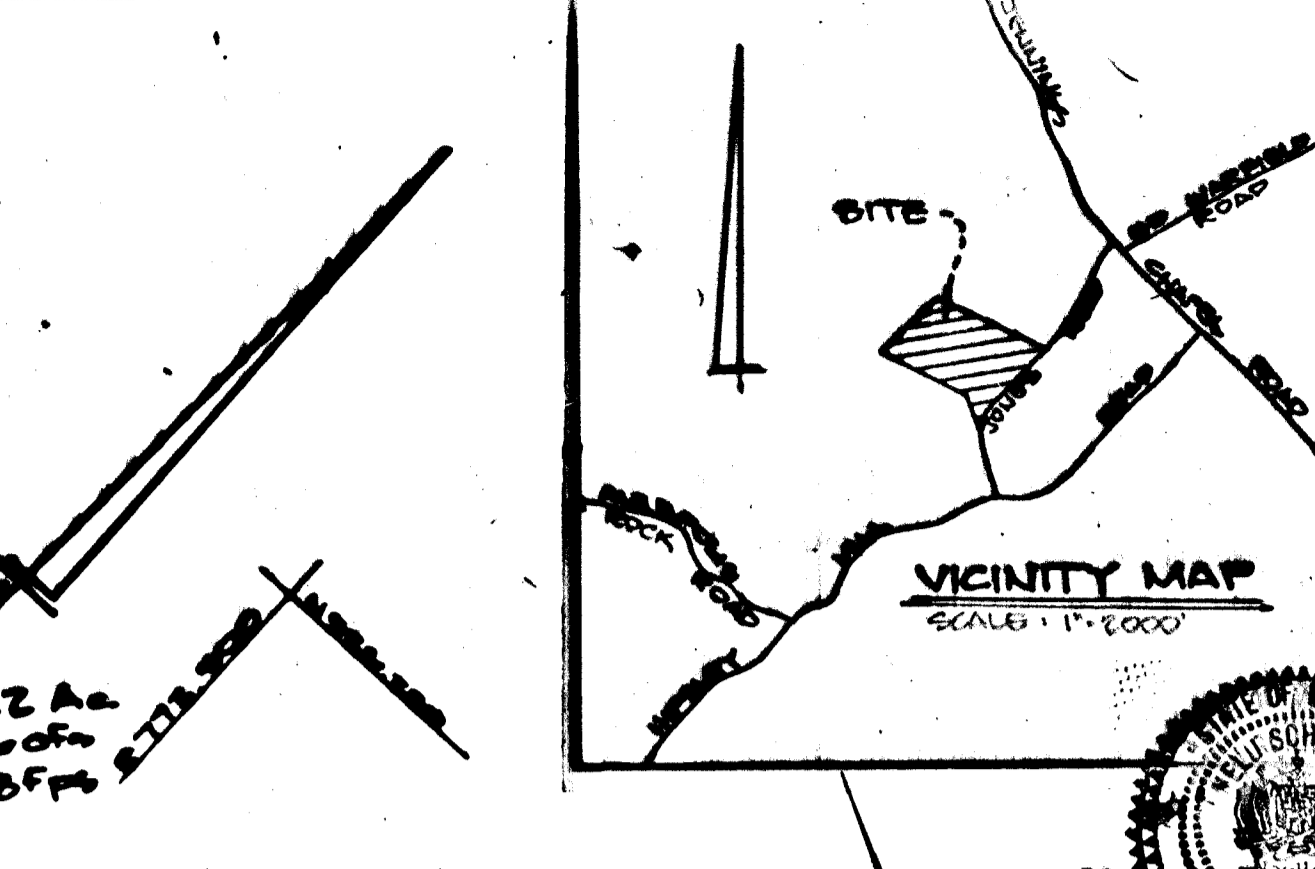
Apply to graded or cleared areas not subject to immediate further disturbance which a permanent long-lived vegetative cover is needed.

TEMPORARY SEEDING RATE

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

SOIL ENHANCEMENT

Apply 400 lbs. per acre of 10-20-20 Fertilizer (10 lbs./1000 sq. ft.) before construction.



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."

Jed Chum 5/6/87 DATE

ENGINEER CERTIFICATE

"I/WE 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 I WAS IN COMPLIANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY ENGINEERING DISTRICT."

[Signature] 5/11/87 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

[Signature] 7-17-87 DATE

CHEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 9-21-87 DATE

Chief, Land Development Division

[Signature] 9-28-87 DATE

Chief, Bureau of Highways

[Signature] 9-25-87 DATE

Chief, Bureau of Engineering

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

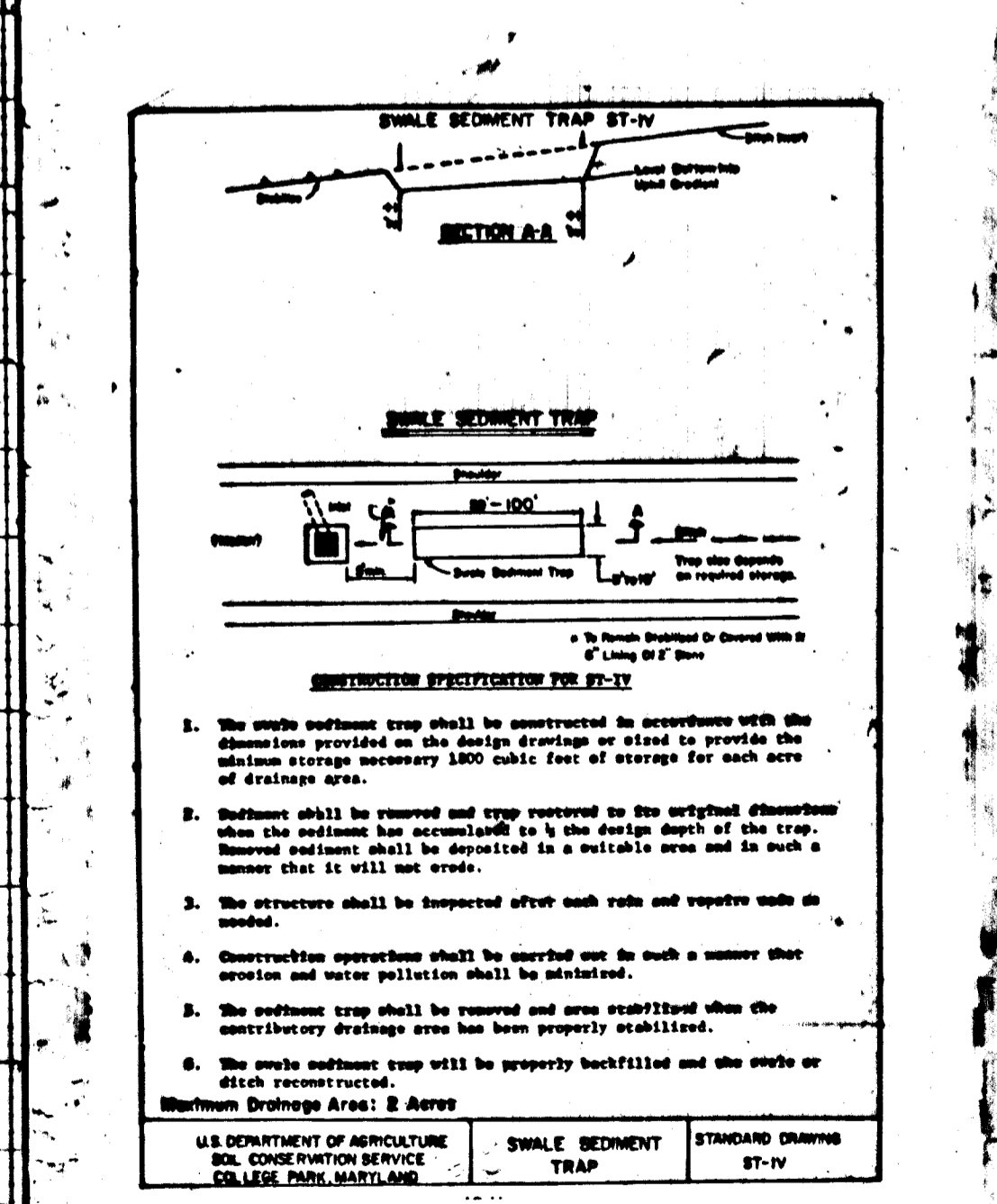
[Signature] 9-15-87 DATE

SOIL CONSERVATION SERVICE

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

[Signature] 9/16/87 DATE

HOWARD S.C.D.



Owner/Developer:	NO.	REVISIONS	DATE
TEB CONSULTANTS 19210 NEW HAMPSHIRE AVE. BETHESDA, MD 20814	1	REVISED DRIVEWAY ENTRANCE	3-4-88
	2	REVISED WIDENING STRIP	7-22-88

DEVELOPMENT CONSULTANTS GROUP, INC.

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

GRADING & SEDIMENT CONTROL FOR PUBLIC IMPROVEMENT TO JONES ROAD

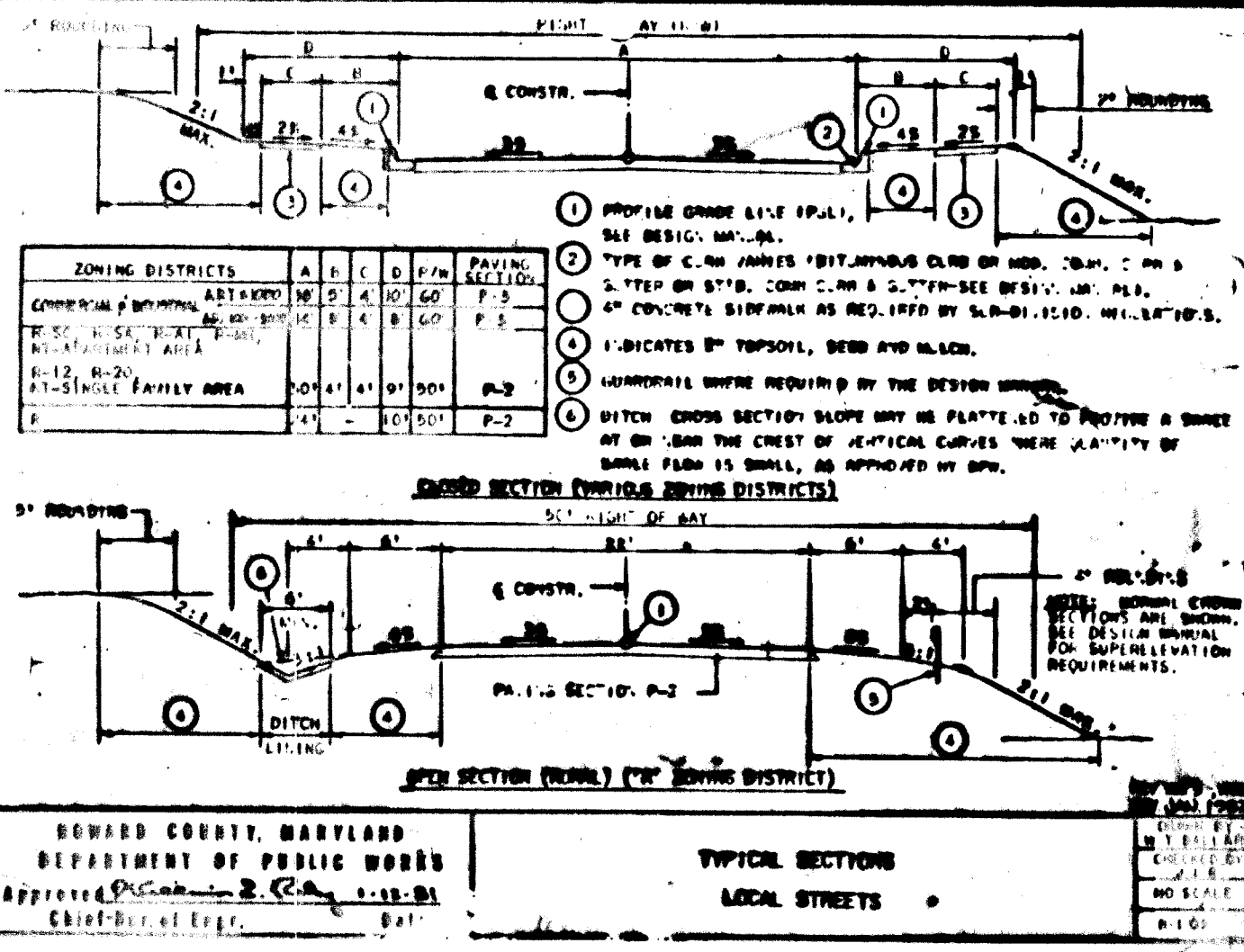
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
TAX MAP 1B410 PARCEL 43

DATE MAY, 1987
DRAWN M.A.M.
CHECKED B.H.L.
SCALE 1" = 50'

Sheet 2 of 3
PROJECT NO. 21-371

1315

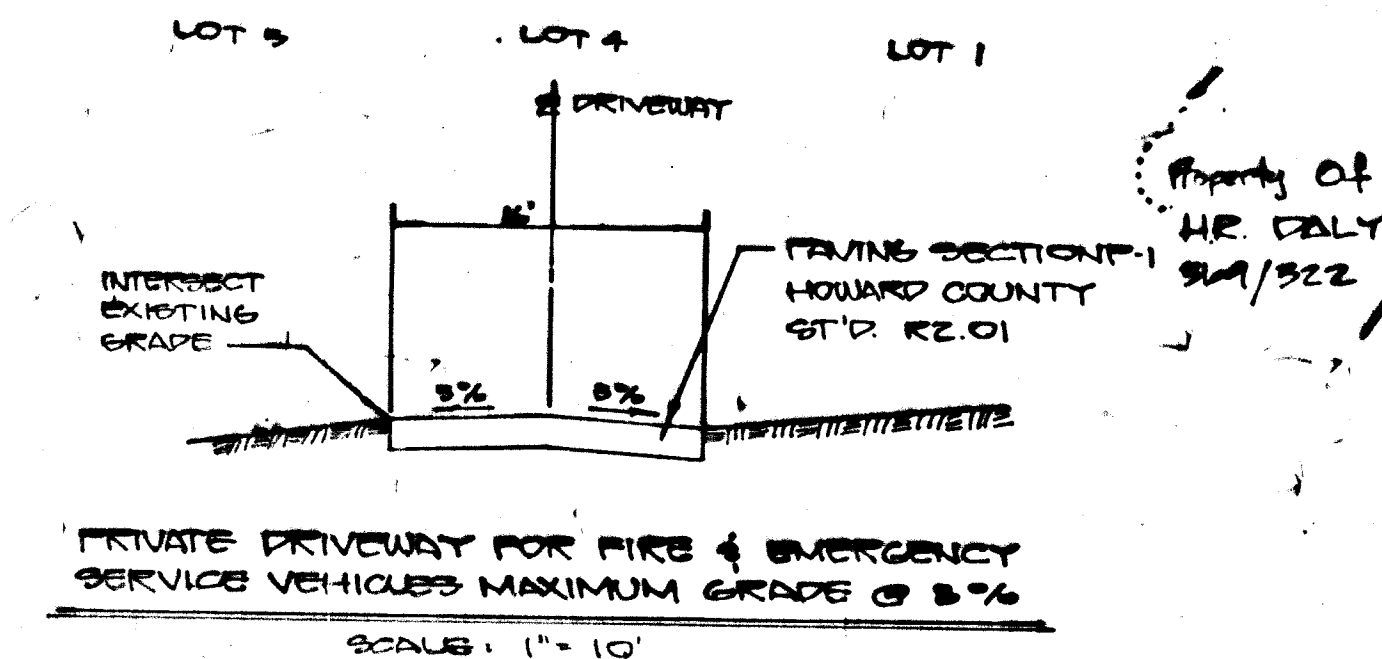
87-202



SECTION	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	PAVEMENT MATERIALS
P-1	PAVING AREAS AND TRAVELWAYS APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO. HEAVY TRUCKS	1" BIT. CONC. SURFACE	1" BIT. CONC. SURFACE
		4" BIT. CONC. BASE	4" BIT. CONC. BASE
		PRIME	PRIME
		3" CRUSHED RICE COARSE	OR 4" CRUSHED STABILIZED
		AGGREGATE BASE COURSE	AGGREGATE BASE COURSE

Following initial soil disturbance or redistribution, per-
meability or temporary stabilization shall be completed within
1) Seven (7) calendar days for all perimeter sediment control
structures, ditches, swales, ditches, perimeter slopes and all
slopes greater than 3:1; 2) Fourteen (14) days as to all
other disturbed or graded areas on the project site.

NOTE: The contractor or developer shall contact the Construction
Inspection/Survey Division 24 hours in advance of commencing
work at 792-7272.



DEVELOPER'S CERTIFICATE
I/VE 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.

Ted Chaconas 8/30/87
DATE

ENGINEER'S CERTIFICATE
I CERTIFY THAT I AM A LICENSED PROFESSIONAL ENGINEER
AND I HAVE REVIEWED THE EROSION AND SEDIMENT
CONTROL PLAN AND WORKABLE PLAN
BASED ON THE DATA AND CONDITIONS
RECORDED IN ACCORDANCE WITH
THE REGULATIONS OF THE
HOWARD SOIL CONSERVATION DISTRICT.

James McVie 9-15-87
DATE

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

Howard E.C.D. 9/15/87
DATE

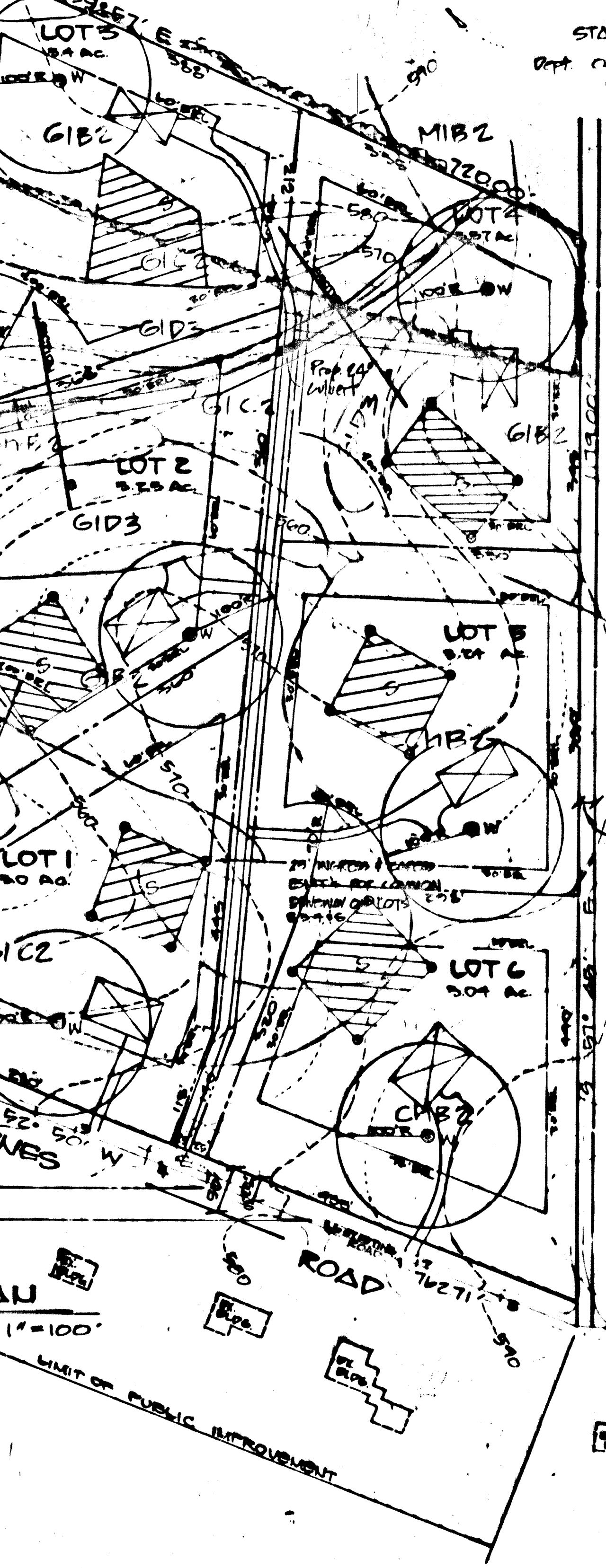
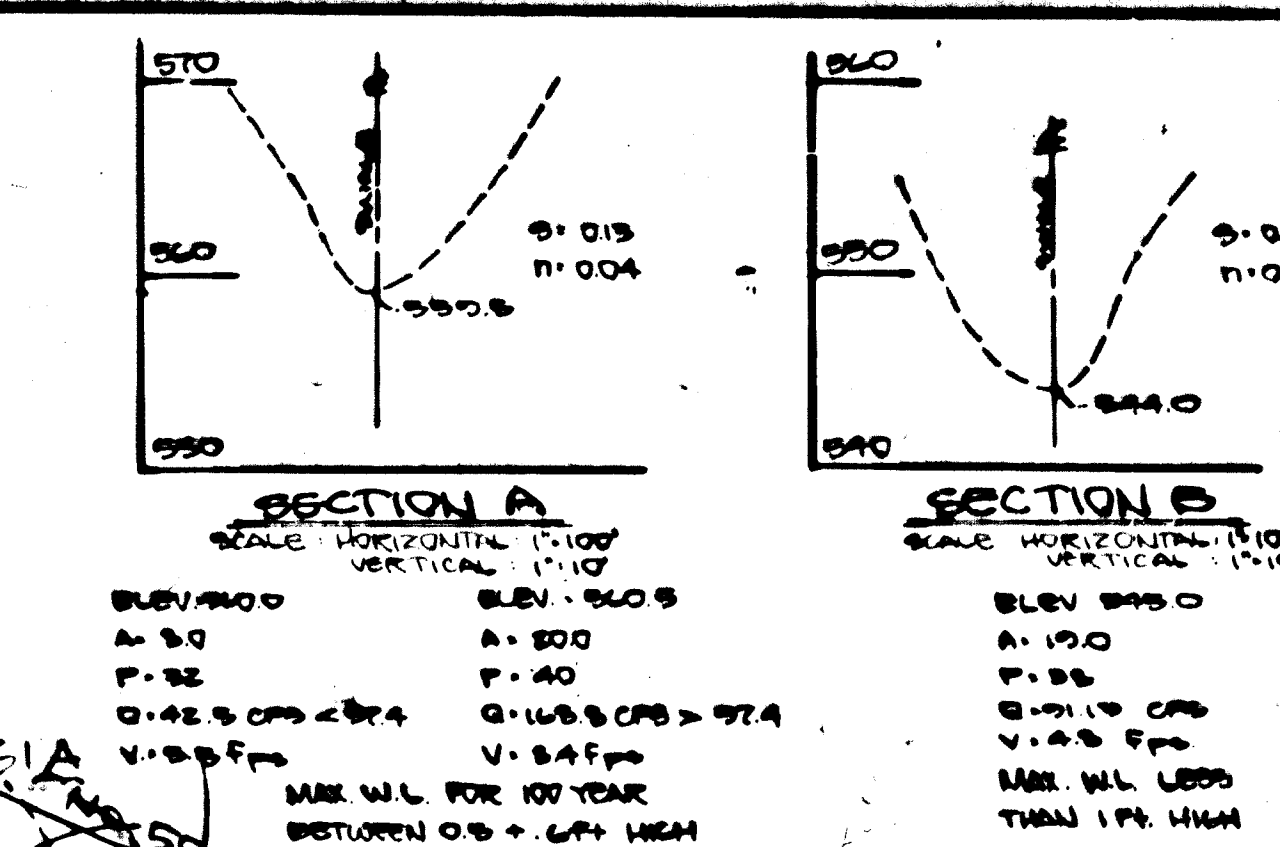
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Chief, Land Development Division 9/21/87
Date
Chief, Bureau of Highways 9/16/87
Date
Chief, Bureau of Engineering 9-23-87
Date

APPROVED: Howard County Office of Planning & Zoning
Chief, Division of Land Development and Zoning Administration 9-17-87
DATE

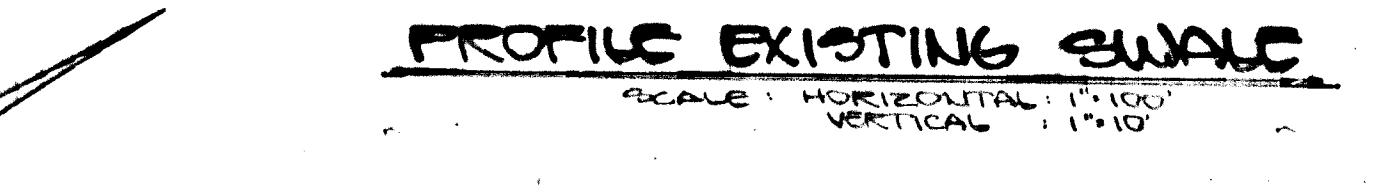
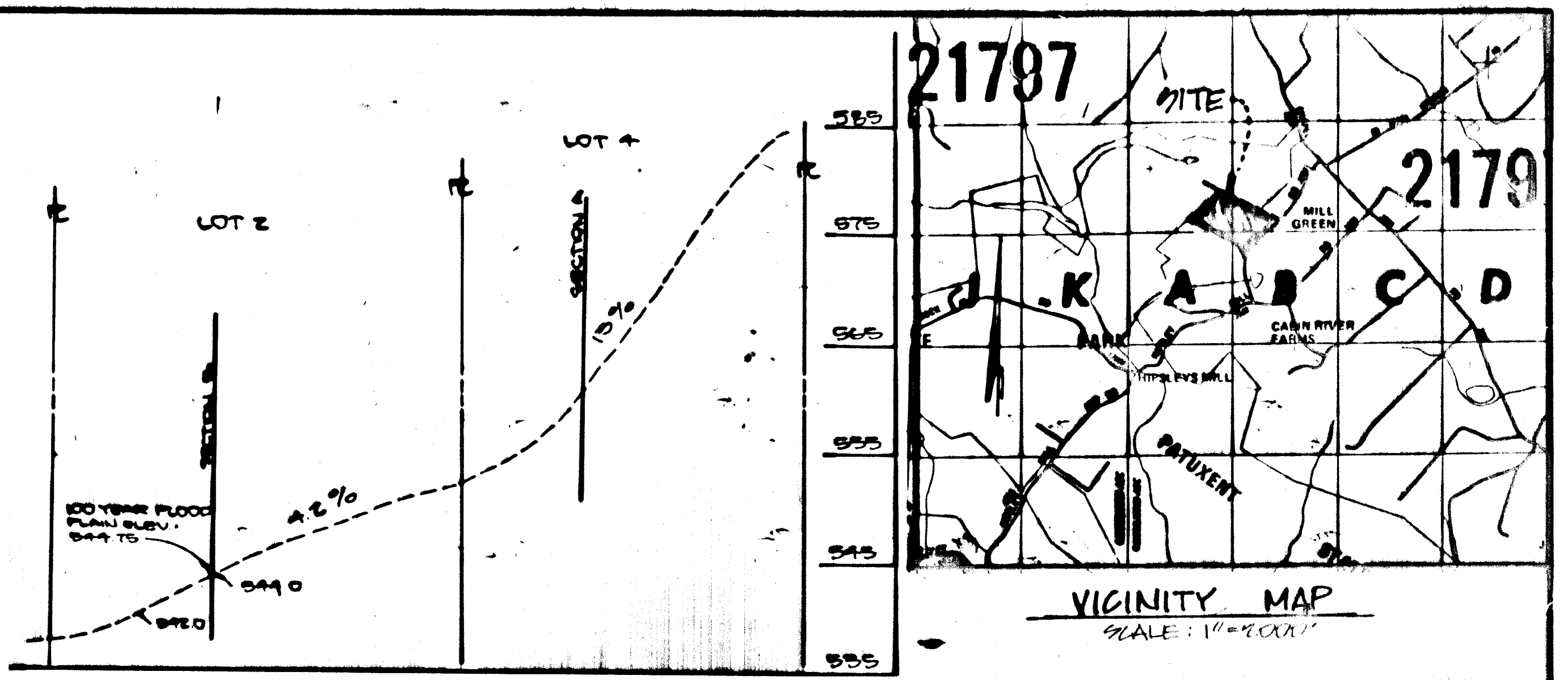
Owner/Developer:
TED CHACONAS
1210 NEWHAMPSHIRE
BRINKLOW, MD, 20812

ROADWAY IMPROVEMENTS TO JONES ROAD
FOR HOWARD COUNTY DESIGN MANUAL AND
HOWARD COUNTY STANDARD DETAILS R-1.02
AND R-10.01.

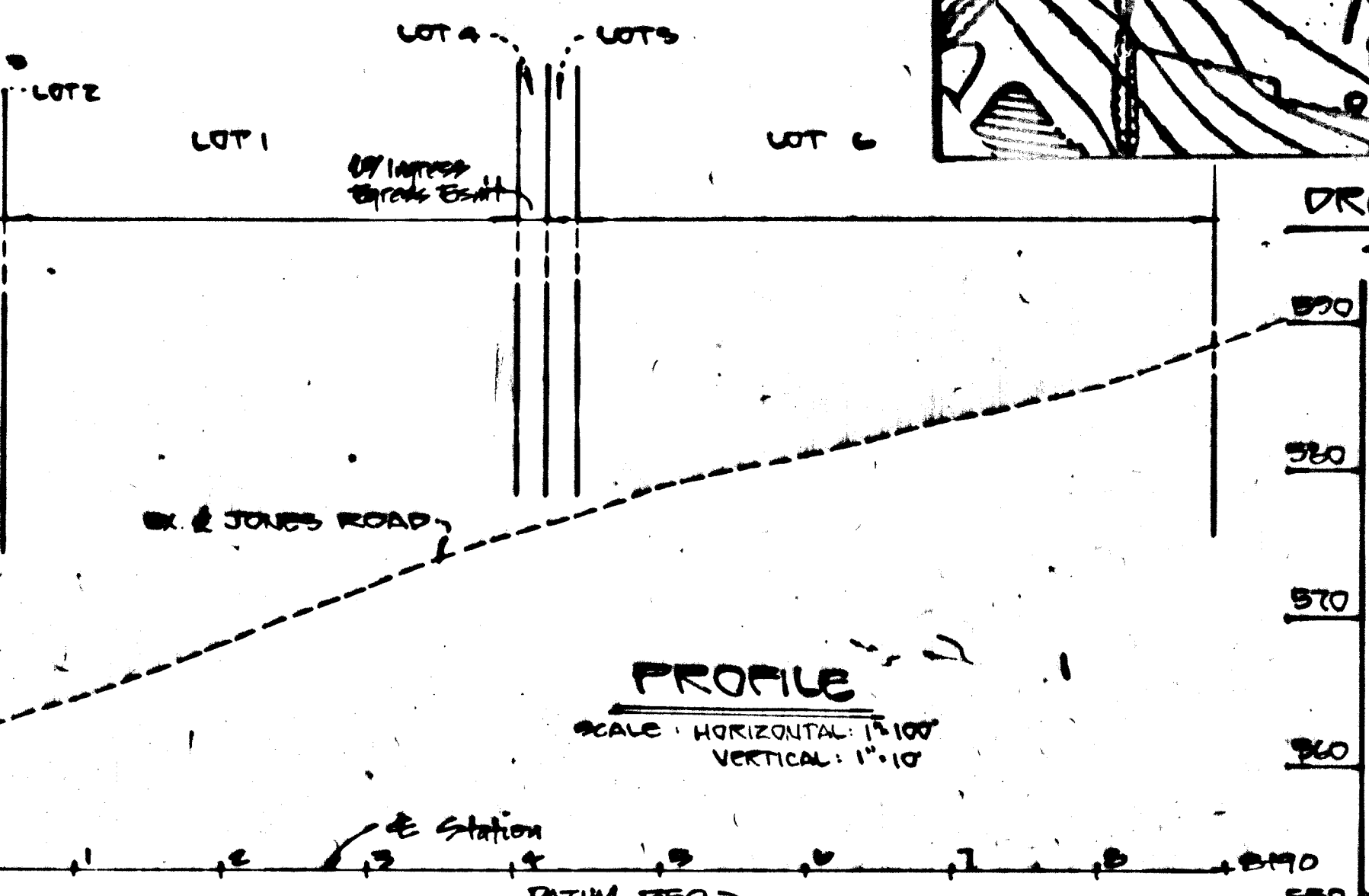
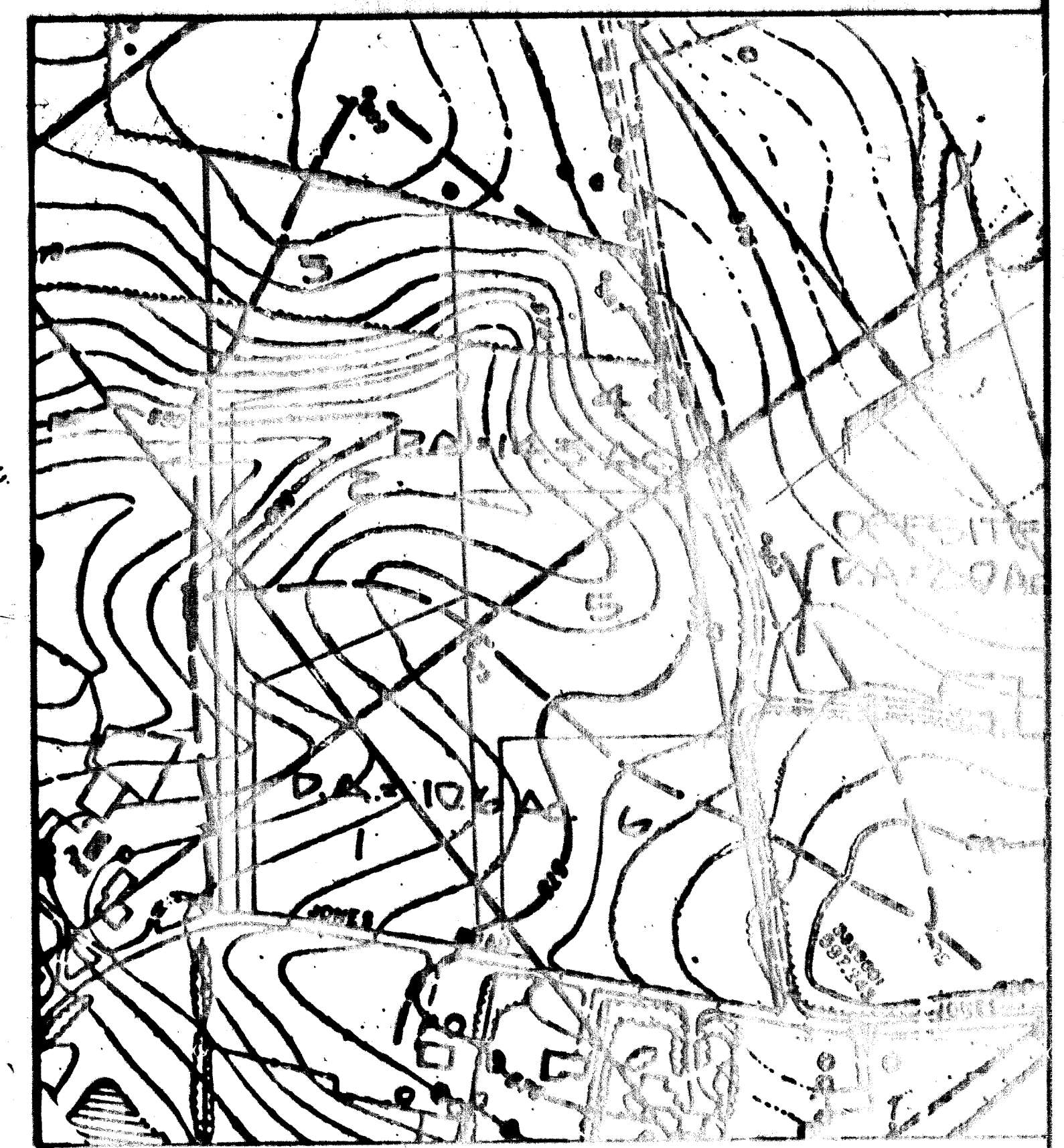
NO.	REVISIONS	DATE
1	REVISED DRIVEWAY ENTRANCE	9-4-88
2	REVISED WIDENING STRIP	9-22-88



Property of
STATE OF MARYLAND
Dept. of Parks and Forests
575 / 175



- GENERAL NOTES**
- TOTAL AREA OF PROPERTY = 19.780 AC.
 - TOTAL NUMBER OF LOTS = 6
 - DEED REFERENCE = L. 965 2 P. 78 177
 - PRIVATE WATER/PRIVATE SEWERAGE SYSTEMS TO BE UTILIZED
 - PROPERTY ZONED = R (RURAL)
 - PROPOSED STREET DEDICATION = 24,000.00 0.00 AC
 - SOIL MAP PAGE NR 17
 - AVERAGE LOT AREA = 3.29 AC ±



SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT TO THE BEST
OF MY KNOWLEDGE AND BELIEF, THE INFOR-
MATION SHOWN HEREON IS CORRECT; THAT IT IS
ALL THE PROPERTY RECORDED AMONG THE
LAND RECORDS OF HOWARD COUNTY, MARYLAND

8-20-87
DATE
Jeffrey D. Lawrence
REG. MD. LAND SURVEYOR #212

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

807-18
P 87-45
DRAINAGE STUDY & SOIL MAP
LOTS 1 THRU 6
PETTY PROPERTY
HOWARD COUNTY, MARYLAND
4TH ELECTION DISTRICT
TAX MAPS 13 & 20 - PARCEL 43

Sheet
3
of 3
PROJECT NO.
1-371

13/15

87-202