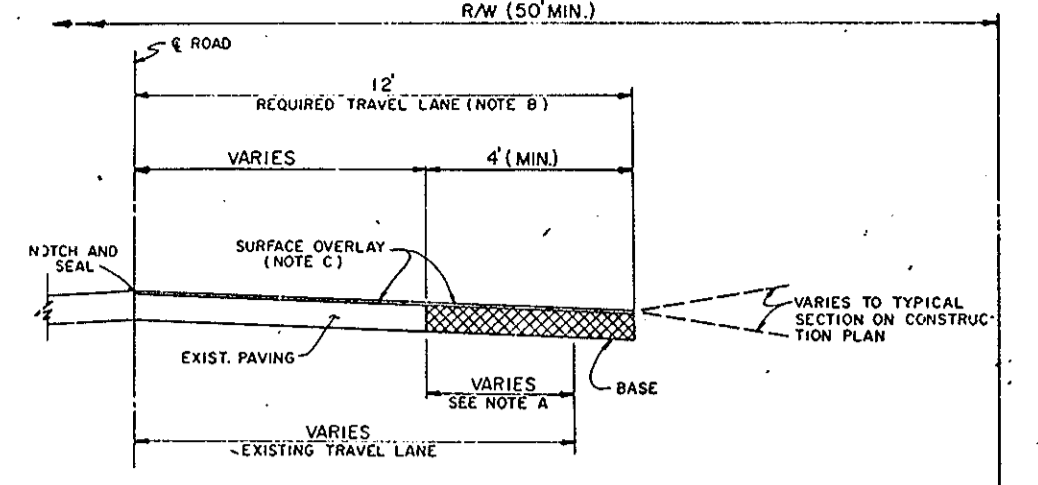
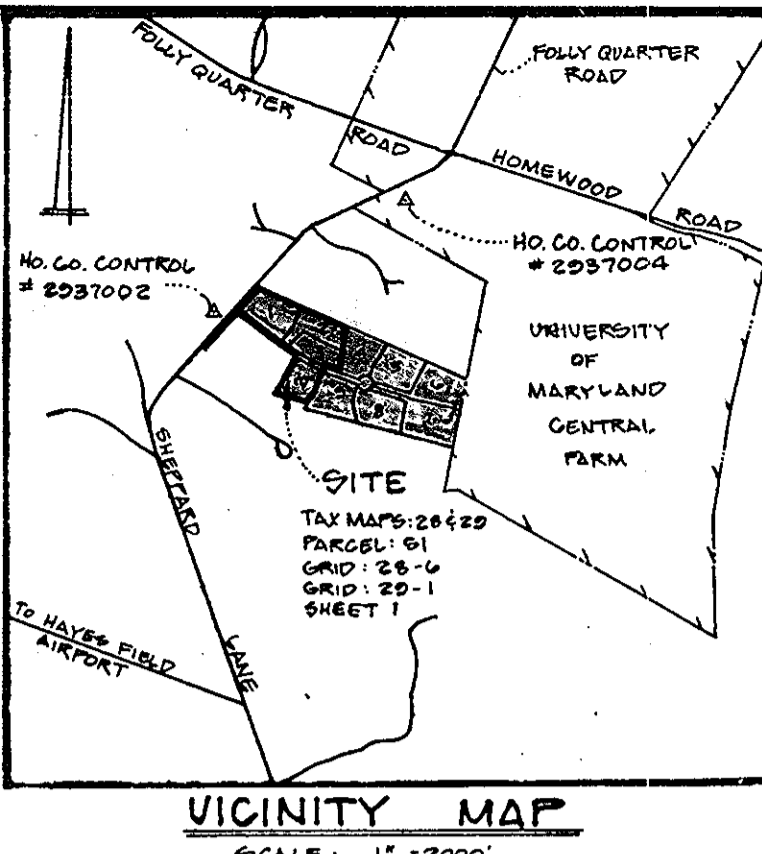


PIPE SCHEDULE		
TYPE	SIZE	QUANTITY
A.S.C.P. 106	72" x 48"	121 L.F.

STRUCTURE SCHEDULE					
NO.	TYPE	TOP E.L.	INV. IN.	INV. OUT.	REMARKS
S-1	METAL END SECTION ARCH METAL PIPE	---	368.70	368.70	HO. CO. ST. 12, 50 S. 63
S-2	"	---	369.50	369.50	"
S-10	"	---	368.75	368.75	"
S-11	"	---	369.75	369.75	"

GENERAL NOTES

- Obtain necessary permits.
- Notify Howard County Bureau of Inspections 24 hrs prior to construction.
- All construction to comply with Howard County standards and Specifications Vol. IV.
- The developer is responsible for constructing S-10, S-11 and the storm drain pipes.
- Traffic control is the responsibility of the contractor.



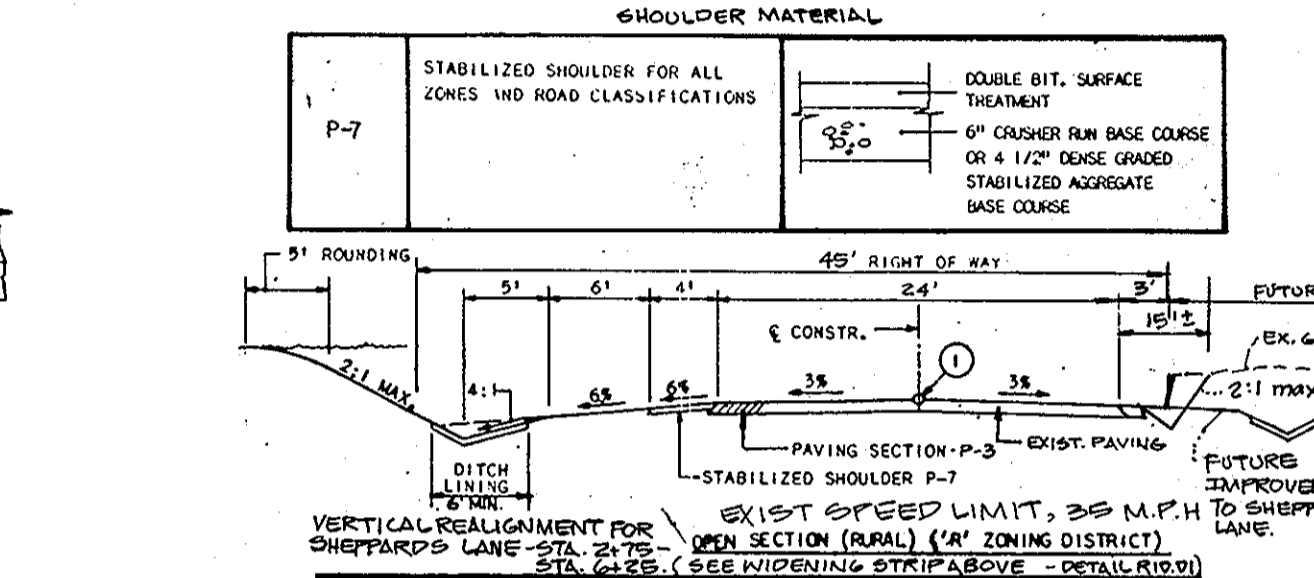
NOTE: WHEN EXISTING TRAVEL LANE IS LESS THAN THE REQUIRED 12' LANE CONTRACTOR SHALL REMOVE ENOUGH OF THE EXISTING ROAD BED TO PROVIDE A MINIMUM BASE WIDENING OF 4'.

NOTE: THE SURFACE OVERLAY SHALL BE CARRIED TO THE 4' OF THE ROAD AND NOTCHED AND SEALED.

NOTE: SURFACE OVERLAY COURSE TO BE EQUAL TO SURFACE COURSE OF TYPICAL PAVED SECTION OF SUBDIVISION.

HOWARD COUNTY, MARYLAND  
DEPARTMENT OF PUBLIC WORKS  
Approved: [Signature] Date: [Blank]  
Chief, Div. of Eng.

RESIDENTIAL ZONES	MINOR AND MAJOR COLLECTORS	COMMERCIAL-INDUSTRIAL ZONES	LOCAL AND COL-DE-SAC STREETS ALLEYS	PARKING LOTS WITHIN RESIDENTIAL AND COMMERCIAL-INDUSTRIAL ZONES WITH MORE THAN 10 HEAVY TRUCKS, ETC.
1 1/2" BIT. CONC. SURFACE	1 1/2" BIT. CONC. SURFACE	1 1/2" BIT. CONC. SURFACE	5" BIT. CONC. BASE	5" BIT. CONC. BASE



**FOX RUN ESTATES**  
CLARKSBURG (8TH) ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

DESIGNED BY: M.N.L.  
SCALE AS SHOWN. DATE 02.16.1988. PHONE: 422-6080

DRAWN BY: M.N.L.  
Light, Elliott, & Associates  
ENGINEERS PLANNERS SURVEYORS  
8308 ADELPHI ROAD - ADELPHI, MARYLAND 20783

APPROVED BY: L.1963 P. 61 JOB NO. MD. 242...  
N.S. 461200 P. 638 SHEET 1 OF 6 FILE NO. 15-2497.

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 PERFORMING ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature: [Signature] DATE: 3-16-88

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN AND 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: [Signature] DATE: 3/16/88

REVIEWED FOR: HOWARD S.C.D. NAME: [Blank] DATE: [Blank]

AND MEETS TECHNICAL REQUIREMENTS OF HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS SOIL CONSERVATION SERVICE. Signature: [Signature] DATE: 8/1/88

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. Signature: [Signature] DATE: 8/1/88

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. Signature: [Signature] DATE: [Blank]

COUNTY HEALTH OFFICER DATE: [Blank]

APPROVED: Howard County Office of Planning & Zoning. Signature: [Signature] DATE: 8-23-88

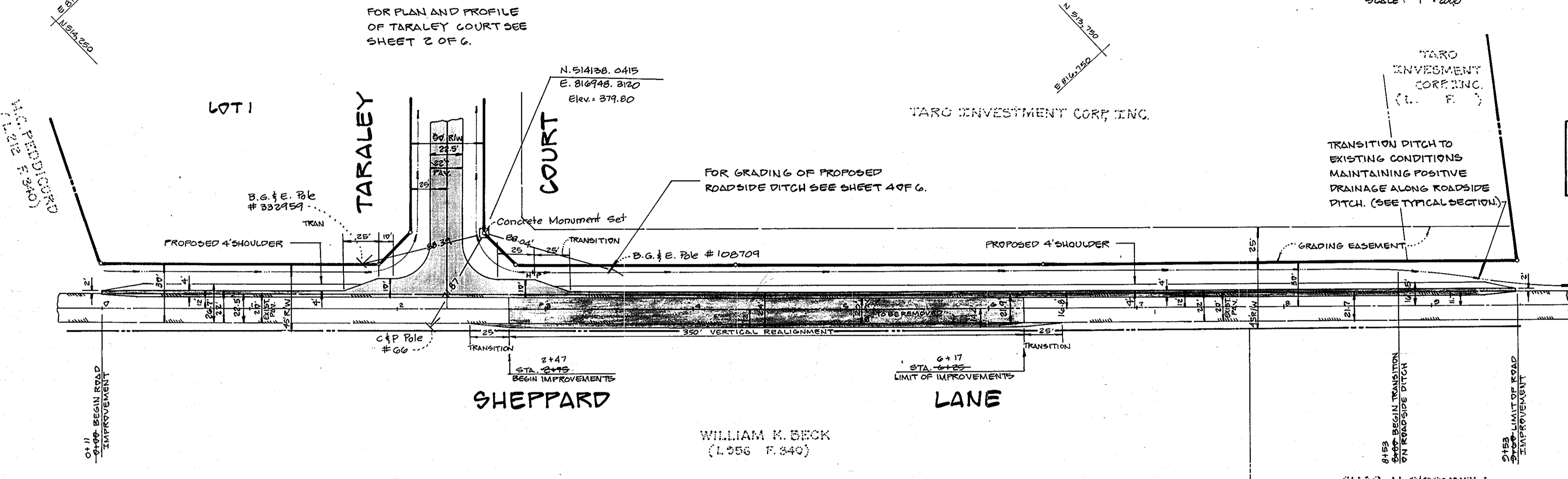
CHIEF DIVISION OF COMMUNITY PLANNING AND DATE LAND DEVELOPMENT. Signature: [Signature] DATE: 8/16/88

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. Signature: [Signature] DATE: 8/15/88

Chief, Land Development Division. Signature: [Signature] DATE: 8/15/88

Chief, Bureau of Highways. Signature: [Signature] DATE: 8-18-88

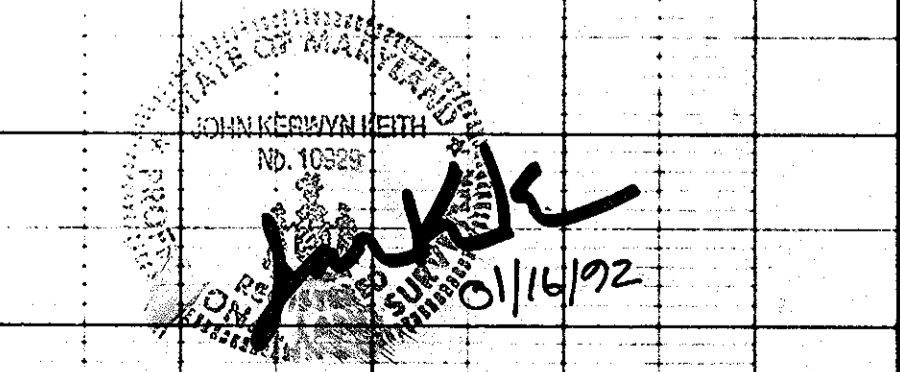
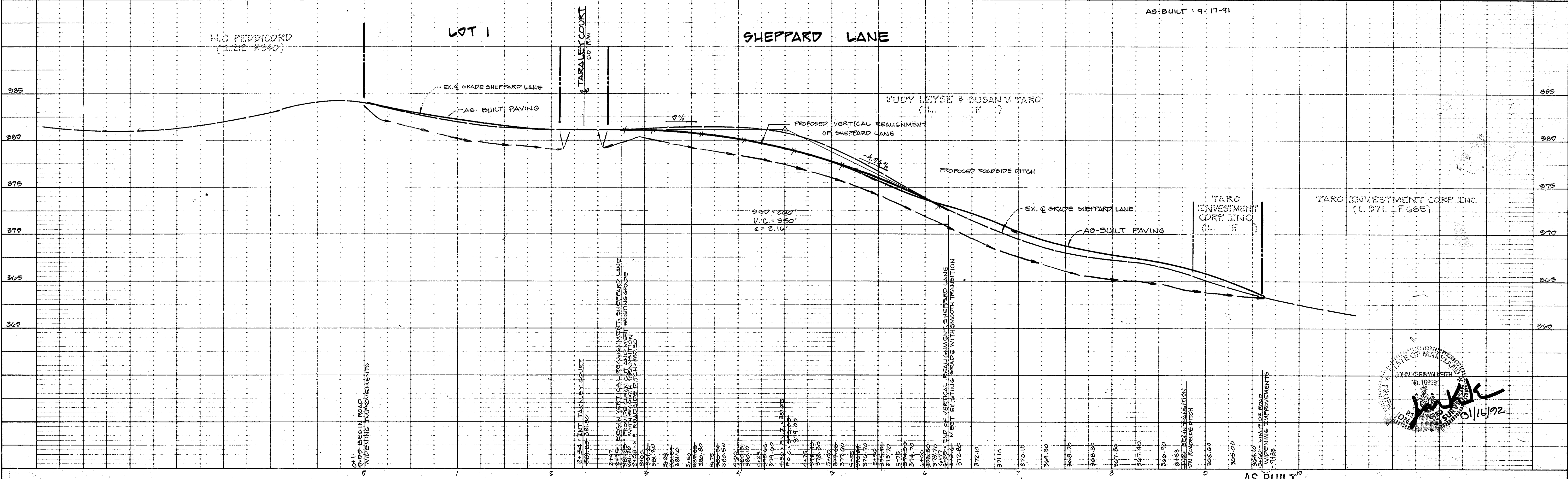
Chief, Bureau of Engineering. Signature: [Signature] DATE: [Blank]



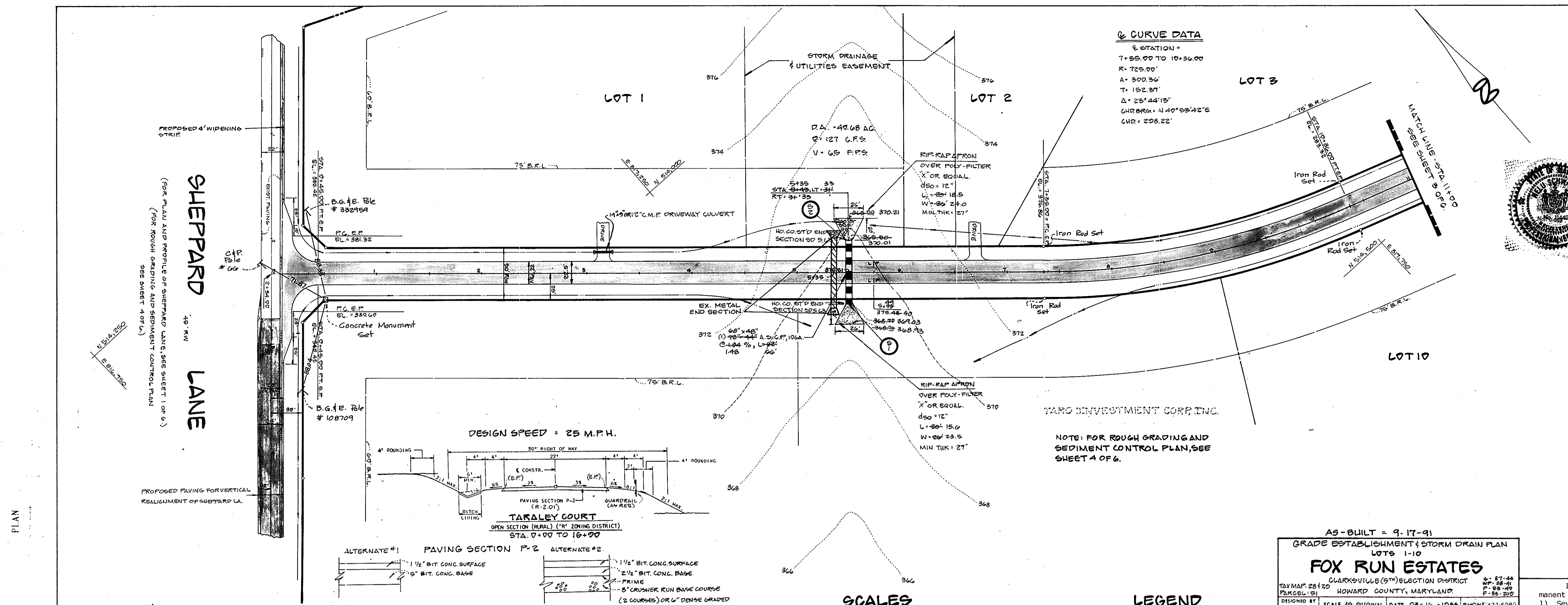
SCALES  
PLAN 1" = 50'  
PROFILE HORIZONTAL 1" = 50'  
VERTICAL 1" = 5'

LEGEND  
EX. & ROAD  
PROPOSED ROADSIDE DITCH

OWNER/DEVELOPER  
FOX RUN ESTATES, INC.  
4640 SHEPPARD LANE  
ELLICOTT CITY, MARYLAND 21043  
301-506-9530



1374



**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 PERFORM ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Thomas Reed* 3-16-88  
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.

*Neil Kinsley* 3/16/88  
DATE

REVIEWED FOR: **HOWARD** S.C.D.  
NAME: **HOWARD**  
AND MEETS TECHNICAL REQUIREMENTS  
*James M. Helm* 3/1/88  
DATE  
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Stephen J. Helm* 3/1/88  
DATE  
HOWARD S.C.D.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
DATE: \_\_\_\_\_  
OFFICE HEALTH OFFICER

APPROVED: Howard County Office of Planning & Zoning  
DATE: \_\_\_\_\_  
OFFICE HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: \_\_\_\_\_  
OFFICE HEALTH OFFICER

*Franklin J. Langley* 3-13-88  
DATE  
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

*Donald J. Johnson* 3/16/88  
DATE  
Chief, Land Development Division

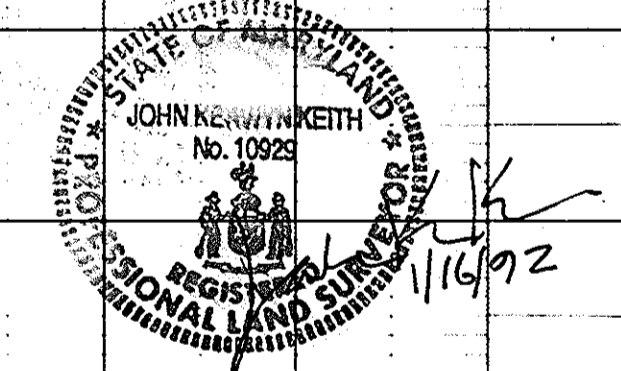
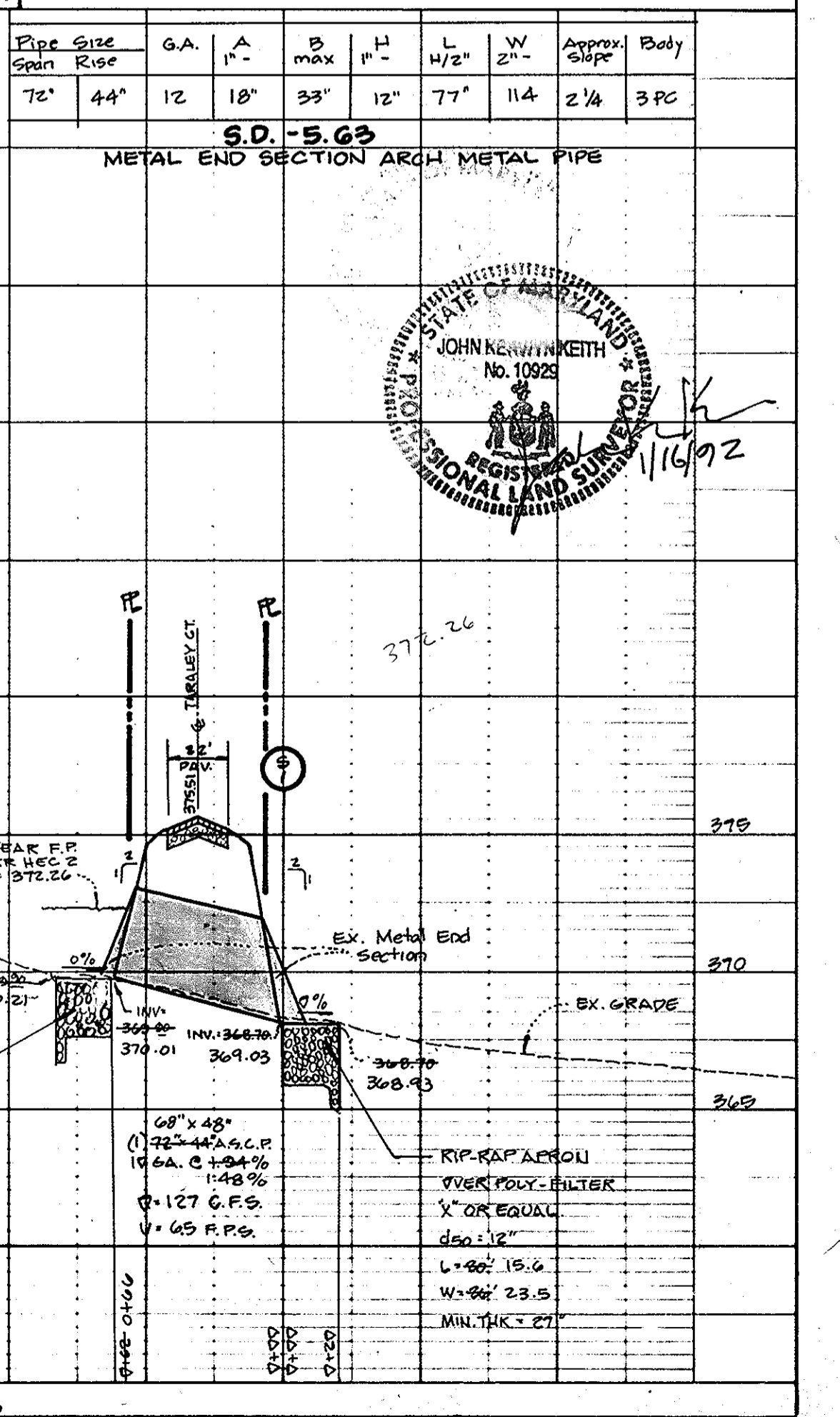
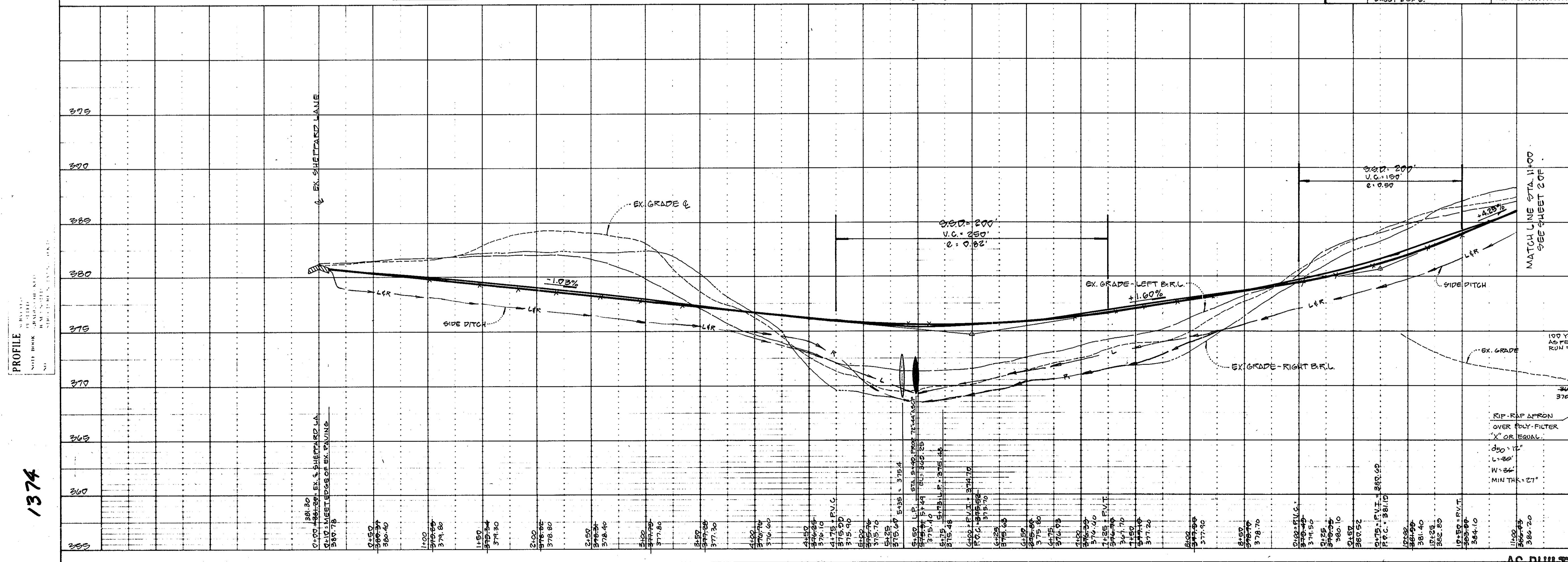
*Charles W. Smith* 3/16/88  
DATE  
Chief, Bureau of Highways

*William E. Reed* 3-18-88  
DATE  
Chief, Bureau of Engineering

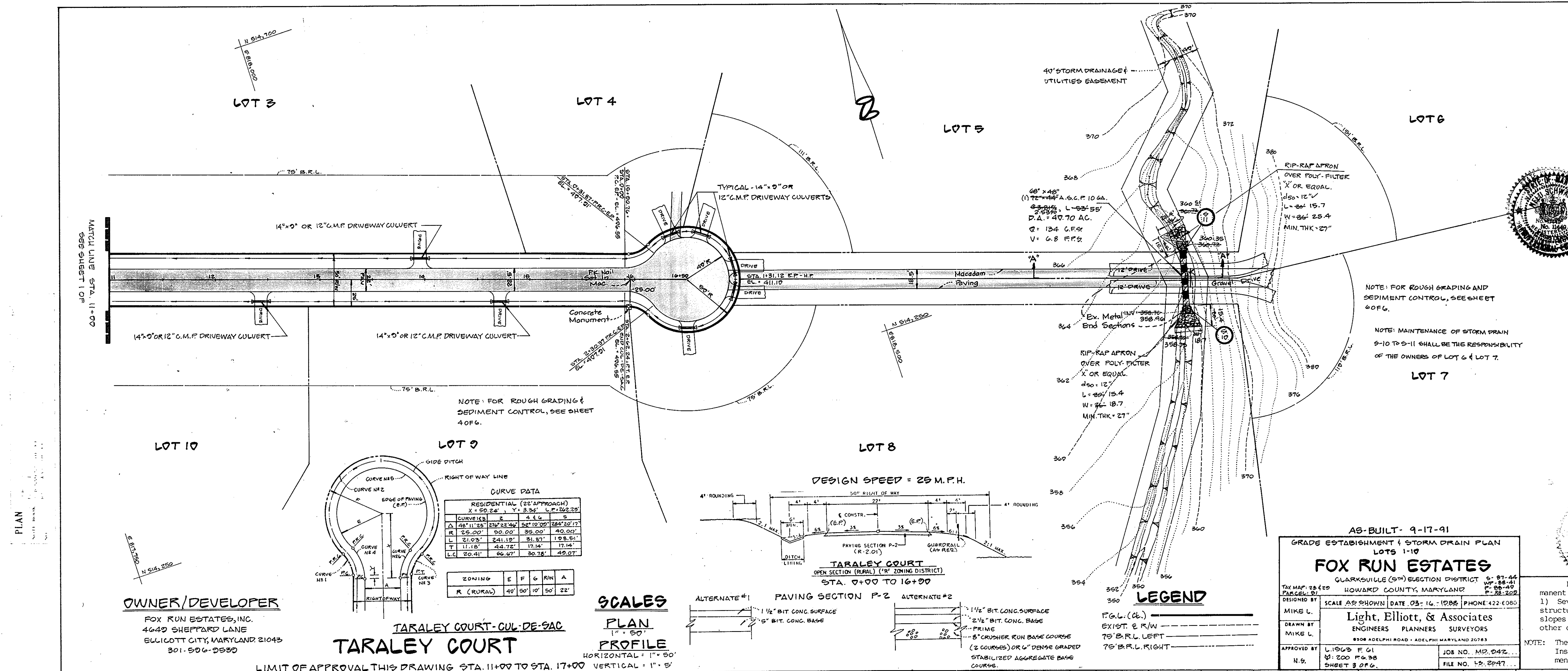
AS-BUILT = 9-17-91  
GRADE ESTABLISHMENT & STORM DRAIN PLAN  
LOTS 1-10  
**FOX RUN ESTATES**  
CLARKSVILLE (97th) ELECTION DISTRICT  
TAX MAP 20120  
HOWARD COUNTY, MARYLAND  
DESIGNED BY: MIKE L.  
DRAWN BY: MIKE L.  
APPROVED BY: N.S.  
SCALE AS SHOWN DATE 03-16-1988 PHONE 422-6080  
Light, Elliott, & Associates  
ENGINEERS PLANNERS SURVEYORS  
3508 ADELPHI ROAD - ADELPHI MARYLAND 20783  
L. 1963 F.G.  
U.S. 1150  
W. 200 Pk 38  
SHEET 2 OF 6  
JOB NO. MP 942  
FILE NO. LR 2047

Following initial soil disturbance or redistribution, 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 the project site.

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



1374



**OWNER/DEVELOPER**  
 FOX RUN ESTATES, INC.  
 4640 SHEPARD LANE  
 ELLICOTT CITY, MARYLAND 21043  
 301-506-2530

**TARALEY COURT - CUL-DE-SAC**  
**TARALEY COURT**  
 HORIZONTAL: 1" = 50'  
 VERTICAL: 1" = 5'

**SCALES**  
**PLAN** 1" = 50'  
**PROFILE** HORIZONTAL: 1" = 50'  
 VERTICAL: 1" = 5'

**AS-BUILT - 9-17-91**  
**GRADE ESTABLISHMENT & STORM DRAIN PLAN**  
**LOTS 1-10**  
**FOX RUN ESTATES**  
 CLARKSVILLE (5th) ELECTION DISTRICT 5-87-44  
 HOWARD COUNTY, MARYLAND P-88-209  
 SCALE AS SHOWN DATE 03-16-1998 PHONE 422-8080  
**Light, Elliott, & Associates**  
 ENGINEERS PLANNERS SURVEYORS  
 8308 ADELPHI ROAD • ADELPHI MARYLAND 20783  
 L.1902 F.G.I. JOB NO. MD.042...  
 V.1200 P.9.38 SHEET 3 OF 6 FILE NO. L-5-2947

**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.  
 [Signature] 3/16/88 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.  
 [Signature] 2/16/88 DATE

REVIEWED FOR: HOWARD S.C.D. NAME  
 AND MEETS TECHNICAL REQUIREMENTS  
 [Signature] 8/1/88 DATE  
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 [Signature] 8/1/88 DATE  
 HOWARD S.C.D.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER DATE

APPROVED: Howard County Office of Planning & Zoning

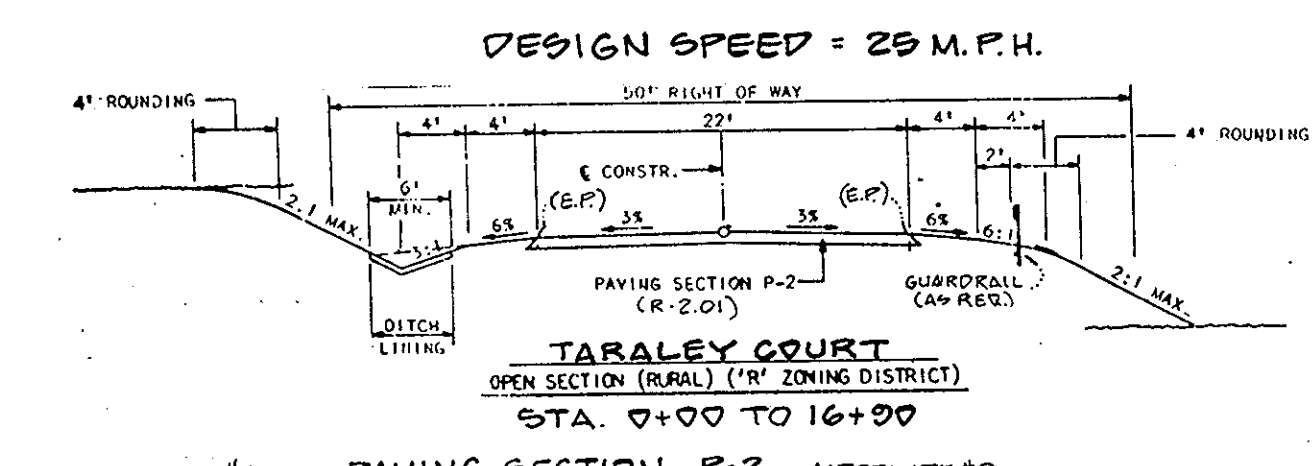
[Signature] 8-23-87 DATE  
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 [Signature] 8/16/88 DATE  
 Chief, Land Development Division

[Signature] 9/5/88 DATE  
 Chief, Bureau of Highways

NOTE: FOR ROUGH GRADING AND SEDIMENT CONTROL, SEE SHEET 4 OF 6.  
 NOTE: MAINTENANCE OF STORM DRAIN 9-10 TO 9-11 SHALL BE THE RESPONSIBILITY OF THE OWNERS OF LOT 6 & LOT 7.

LOT 7

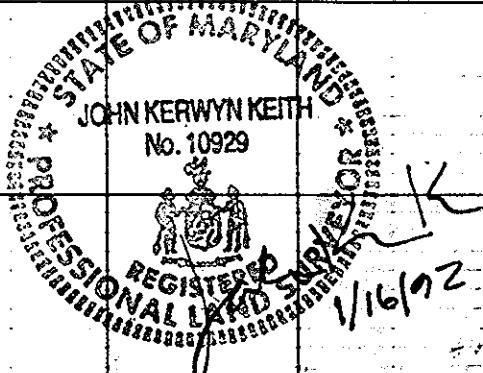
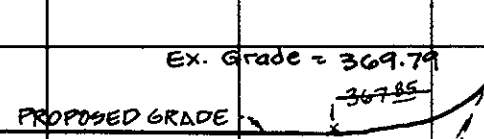


**METAL END SECTION ARCH METAL PIPE**

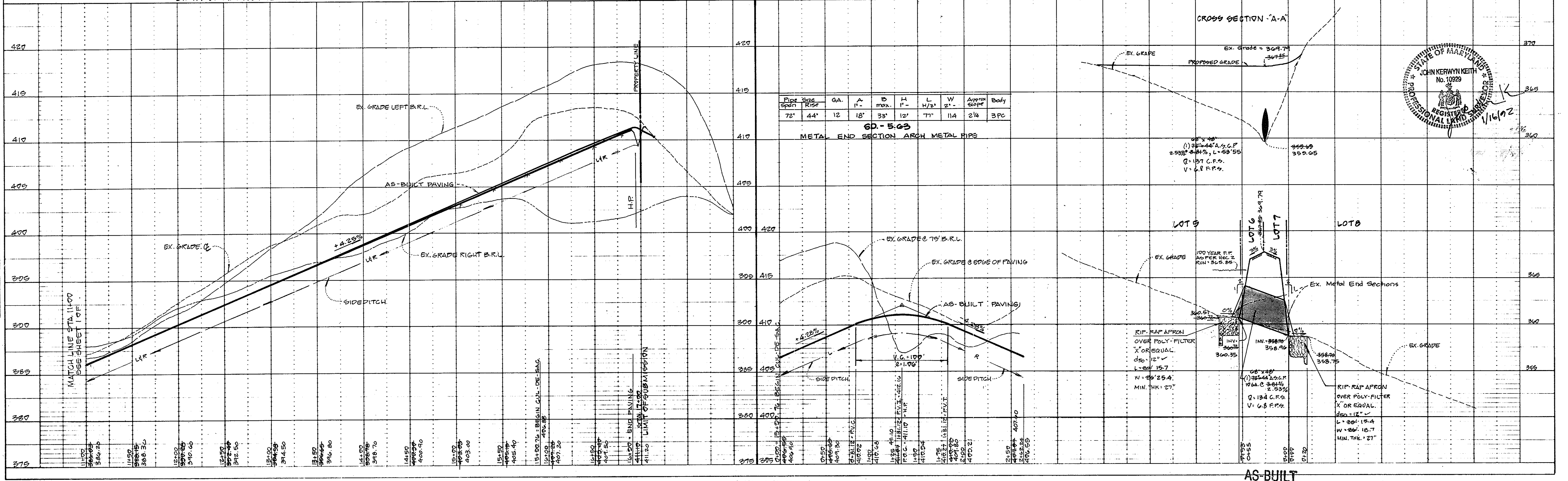
Pipe Size (500)	GA.	A	D	H	L	W	Approx. Slope	Body
72"	44"	12	18"	33"	12"	77"	1/4	3PC

6D = 5.03

CROSS SECTION 'A-A'



PROFILE

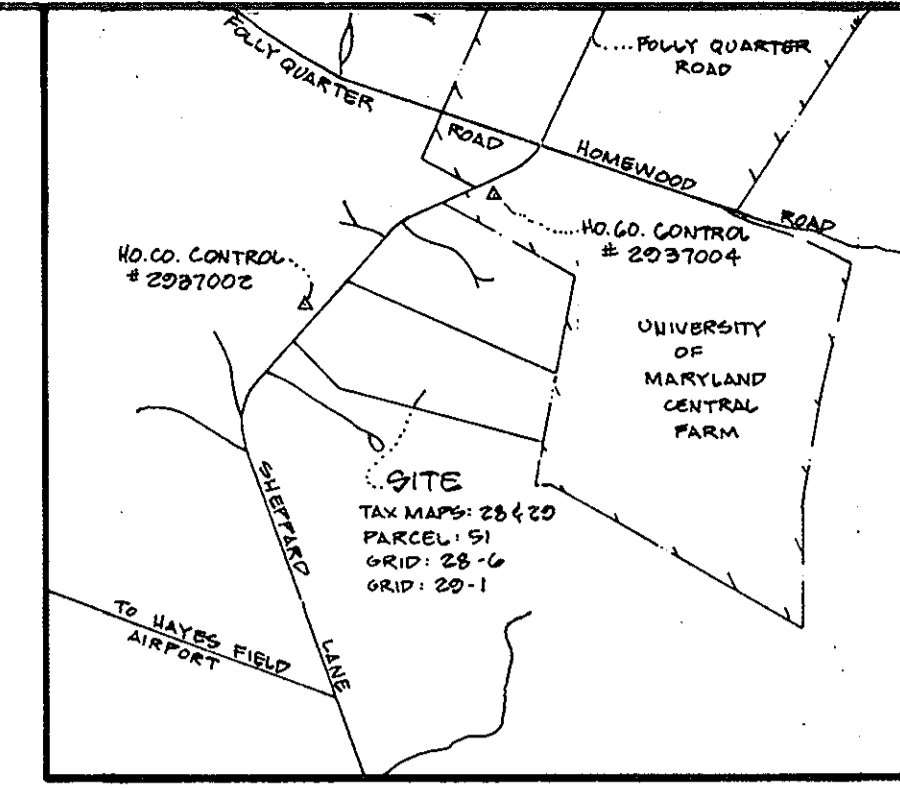
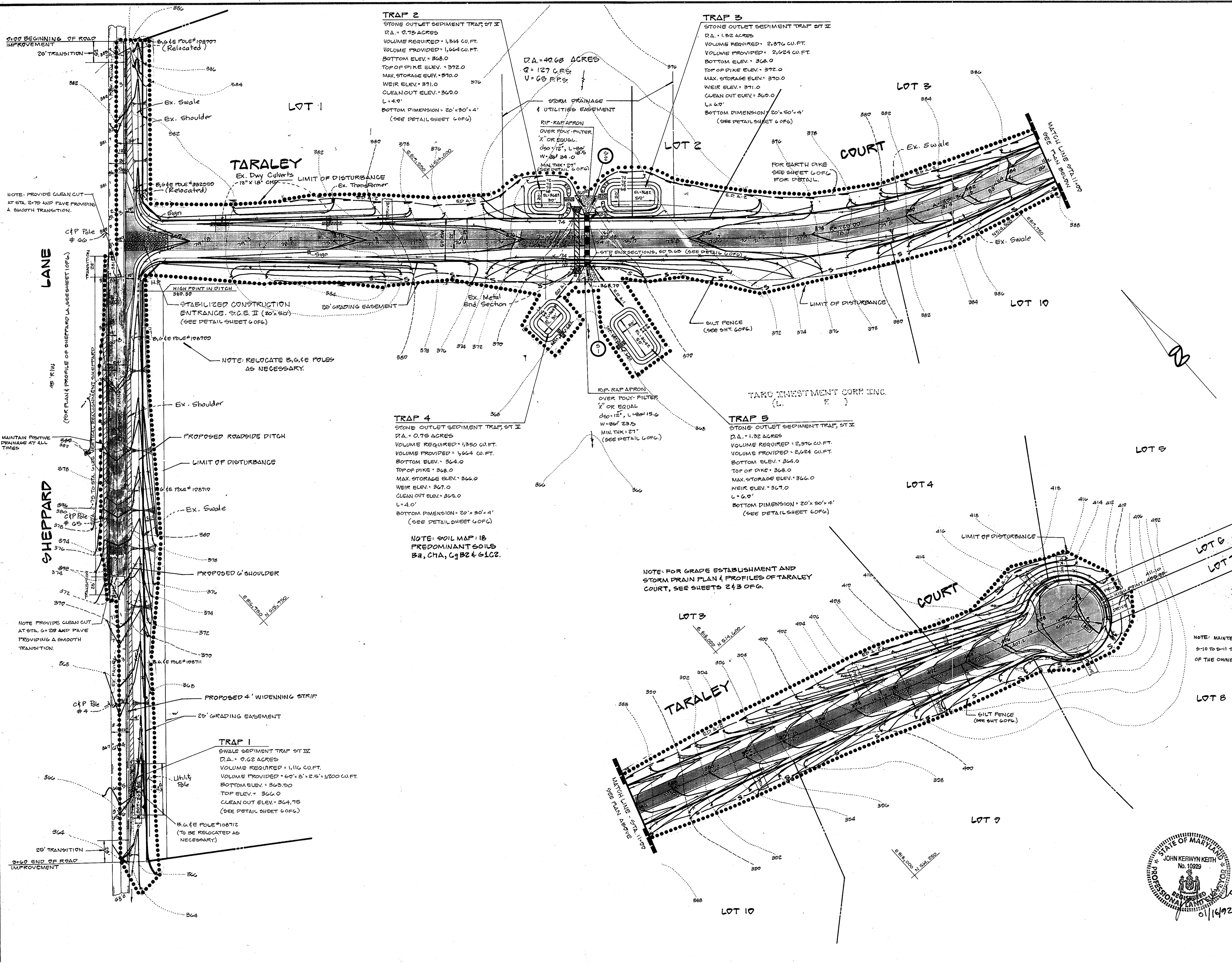


AS-BUILT

F-88-209

LS2047

1374



**DEVELOPER'S CERTIFICATE**  
I, THE 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.

*Howard* 3/16/88  
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 Schwartz* 3/16/88  
DATE

REVIEWED FOR **HOWARD** S.C.D.  
NAME  
AND MEETS TECHNICAL REQUIREMENTS  
*John Schwartz* 8/1/88  
DATE  
BY: **SOIL CONSERVATION SERVICE**

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*Stephen L. Rubin* 8/1/88  
DATE  
HOWARD S.C.D.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
DATE

COUNCIL HEALTH OFFICER DATE

APPROVED: Howard County Office of Planning & Zoning

*Joseph J. DeAngelis* 8-16-88  
DATE  
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Donald J. Sepp* 8/16/88  
DATE  
Chief, Land Development Division

*Charles Stewart* 8/15/88  
DATE  
Chief, Bureau of Highways

*William B. Reed* 88  
DATE  
Chief, Bureau of Engineering

Following initial soil disturbance or redistribution, 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 the project site.

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



AS-BUILT - 9-17-91

**ROUGH GRADING, SOIL EROSION & SEDIMENT CONTROL PLAN**  
LOTS 1-10  
**FOX RUN ESTATES**  
CLARKSVILLE (5TH) ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

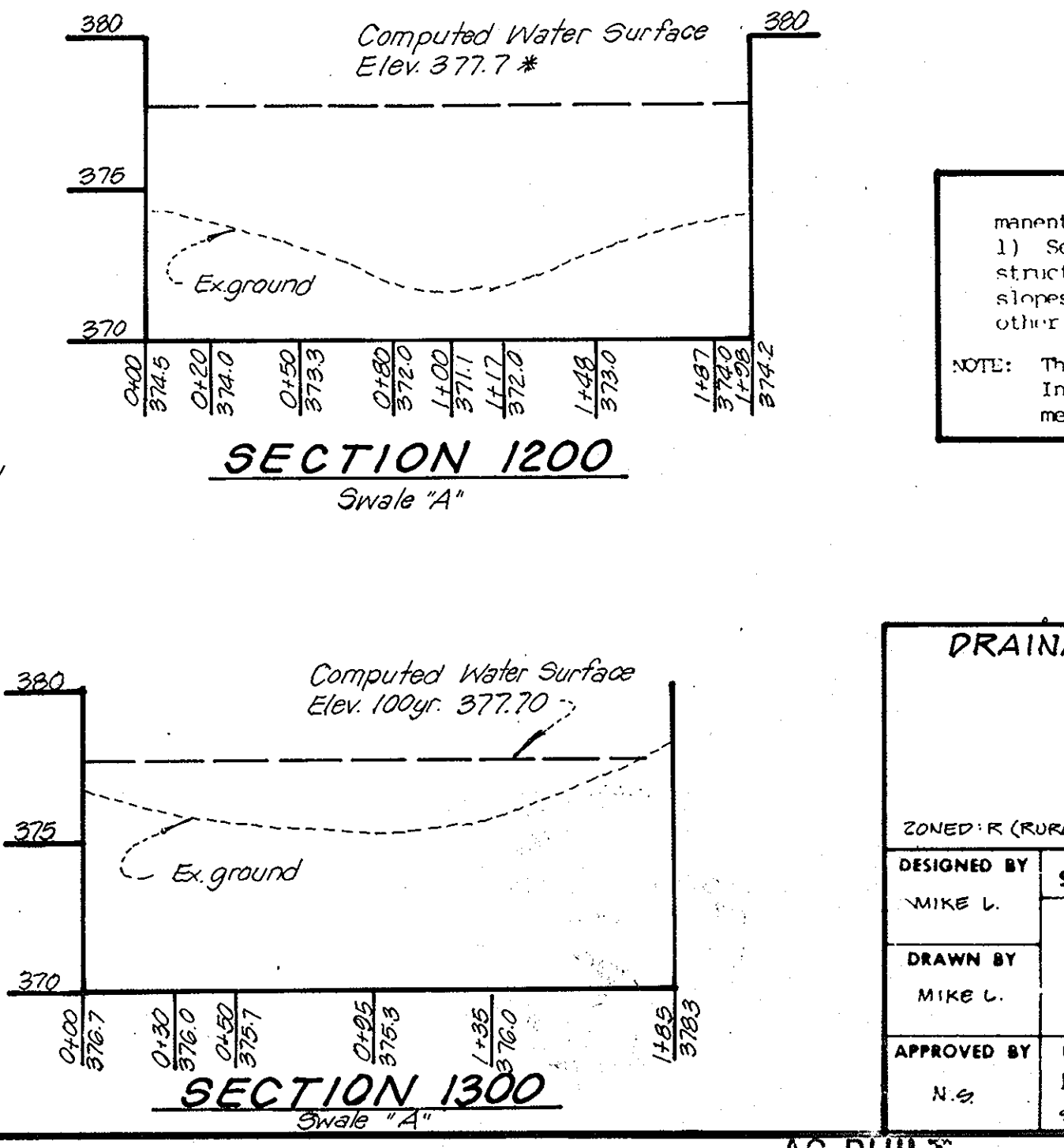
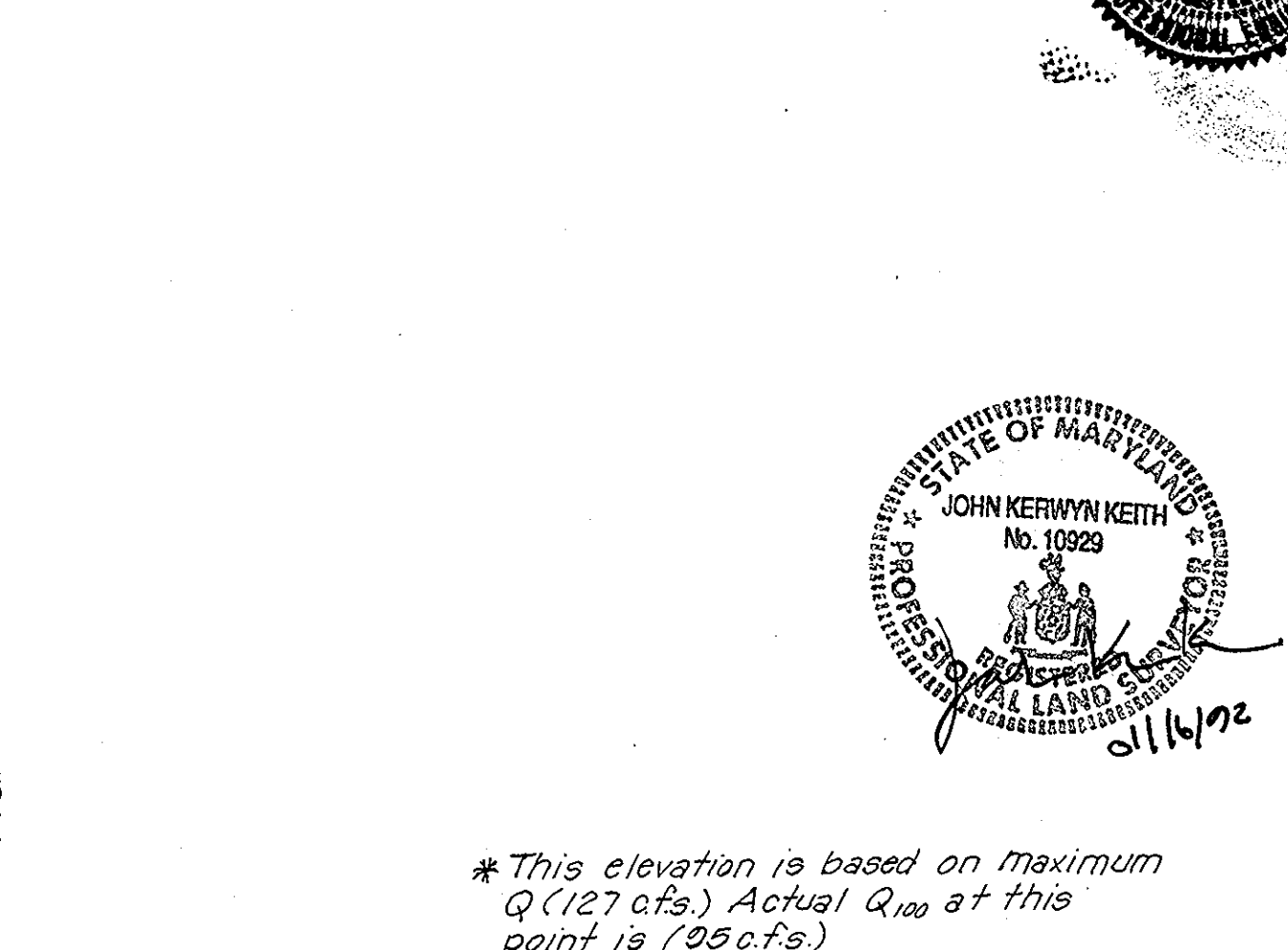
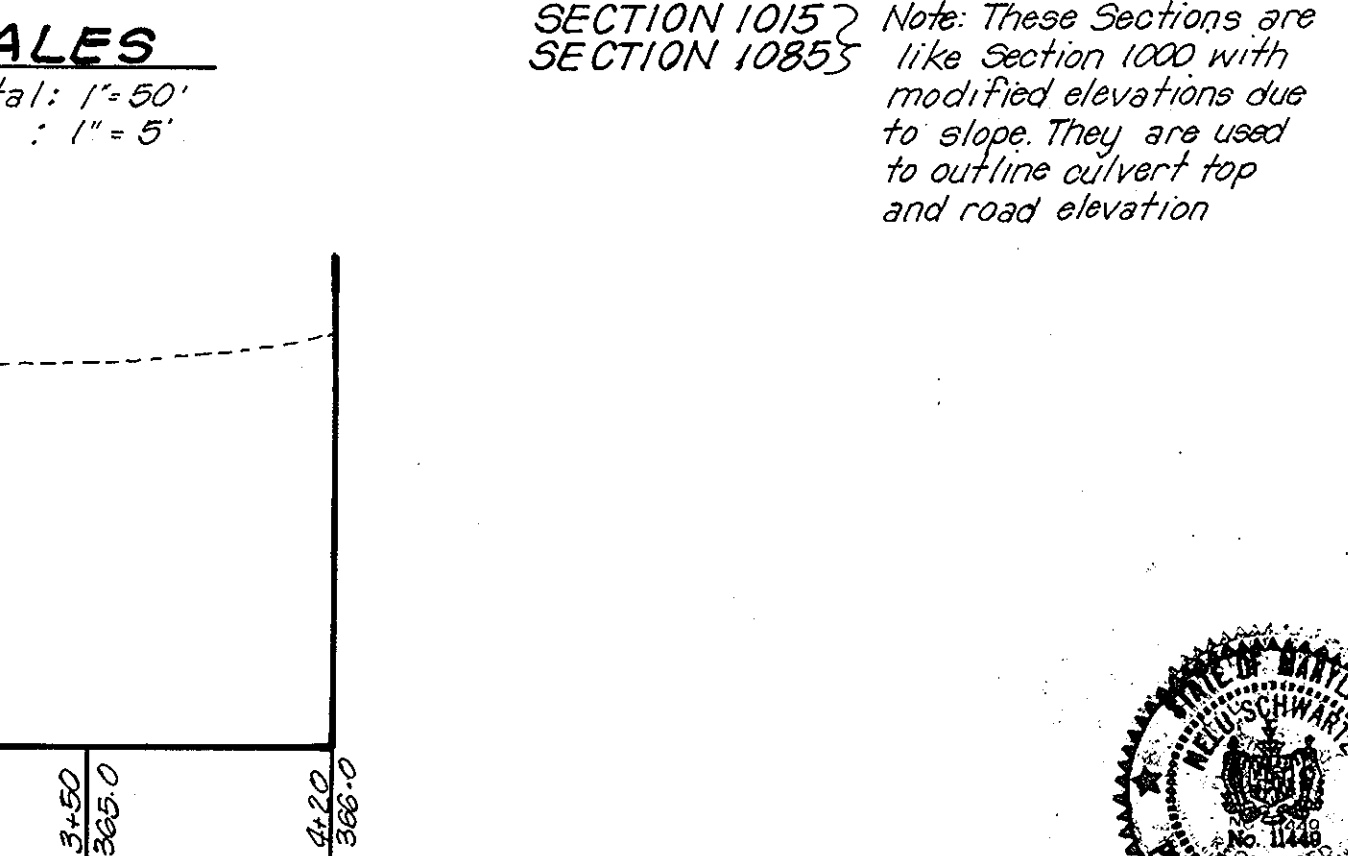
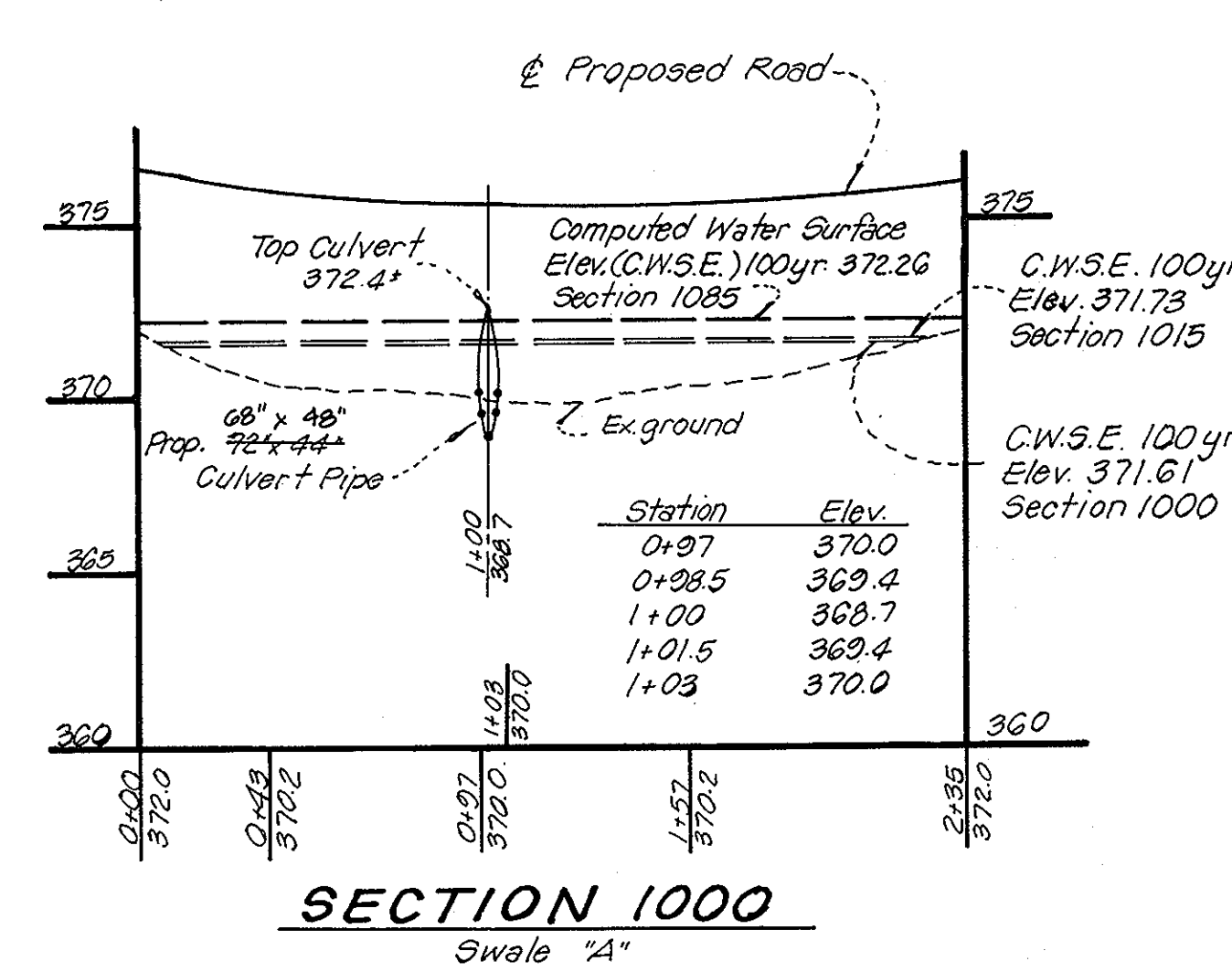
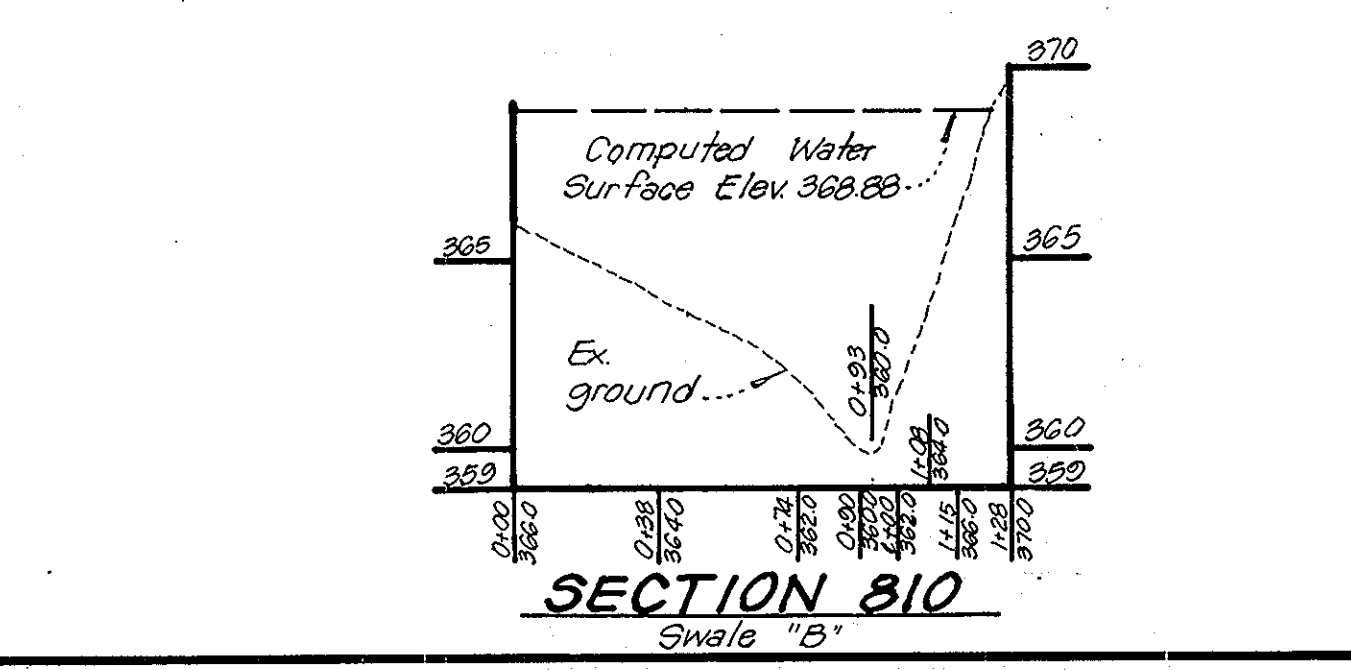
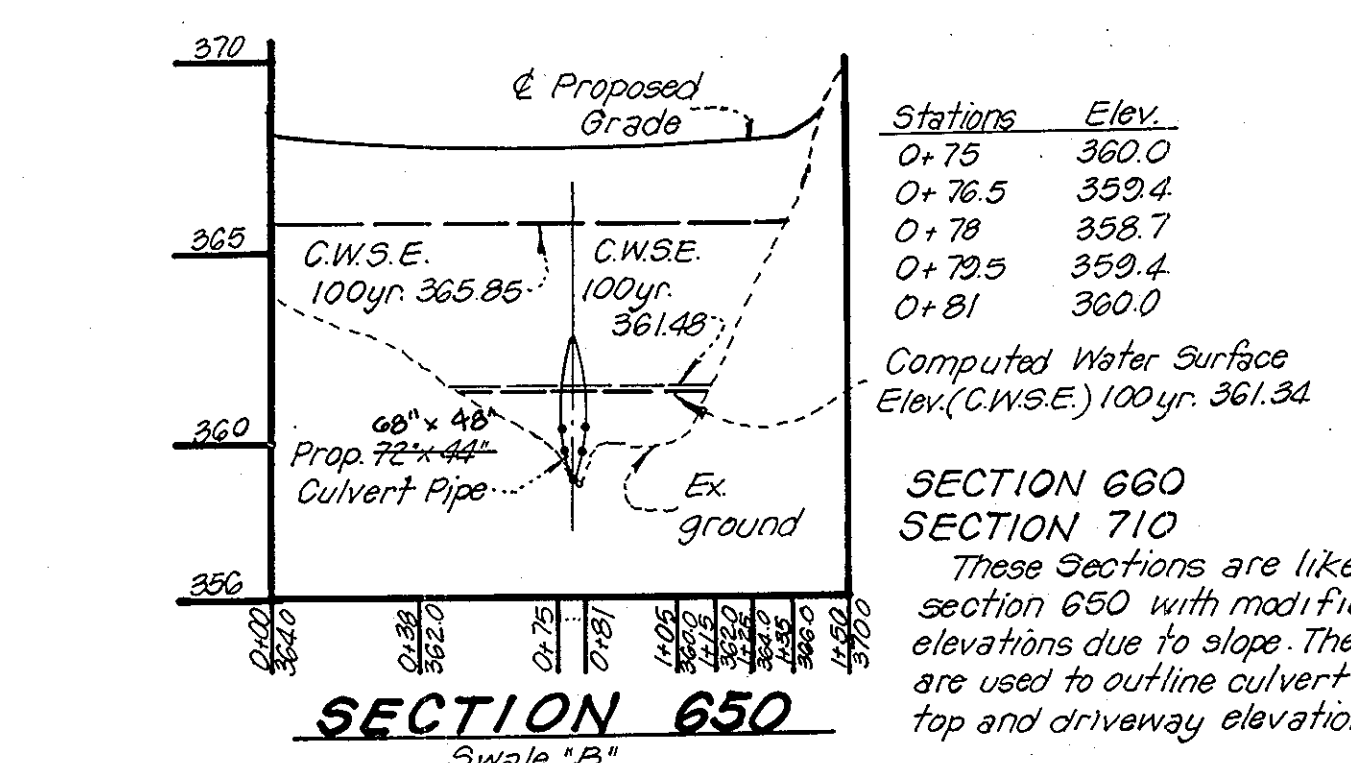
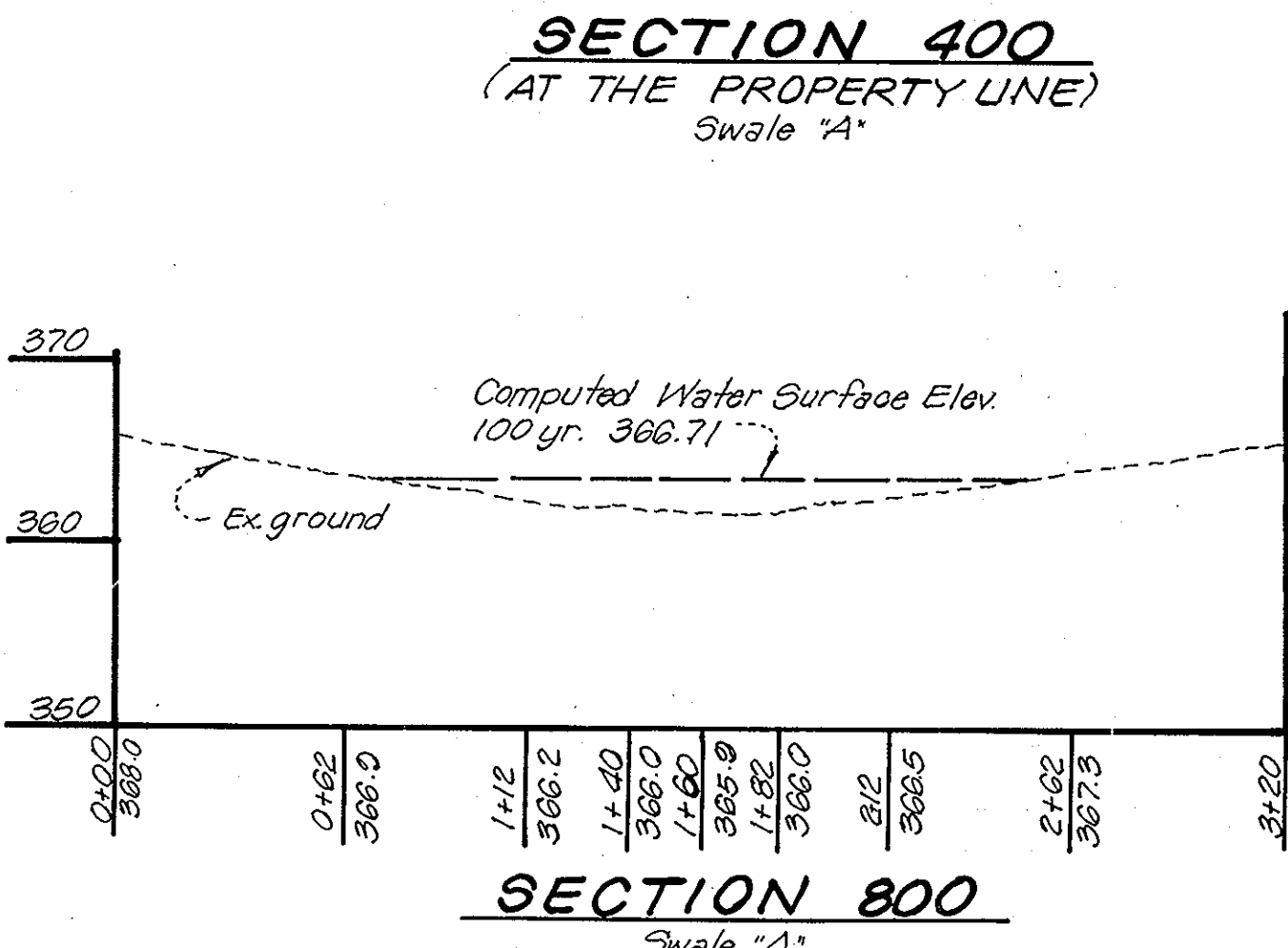
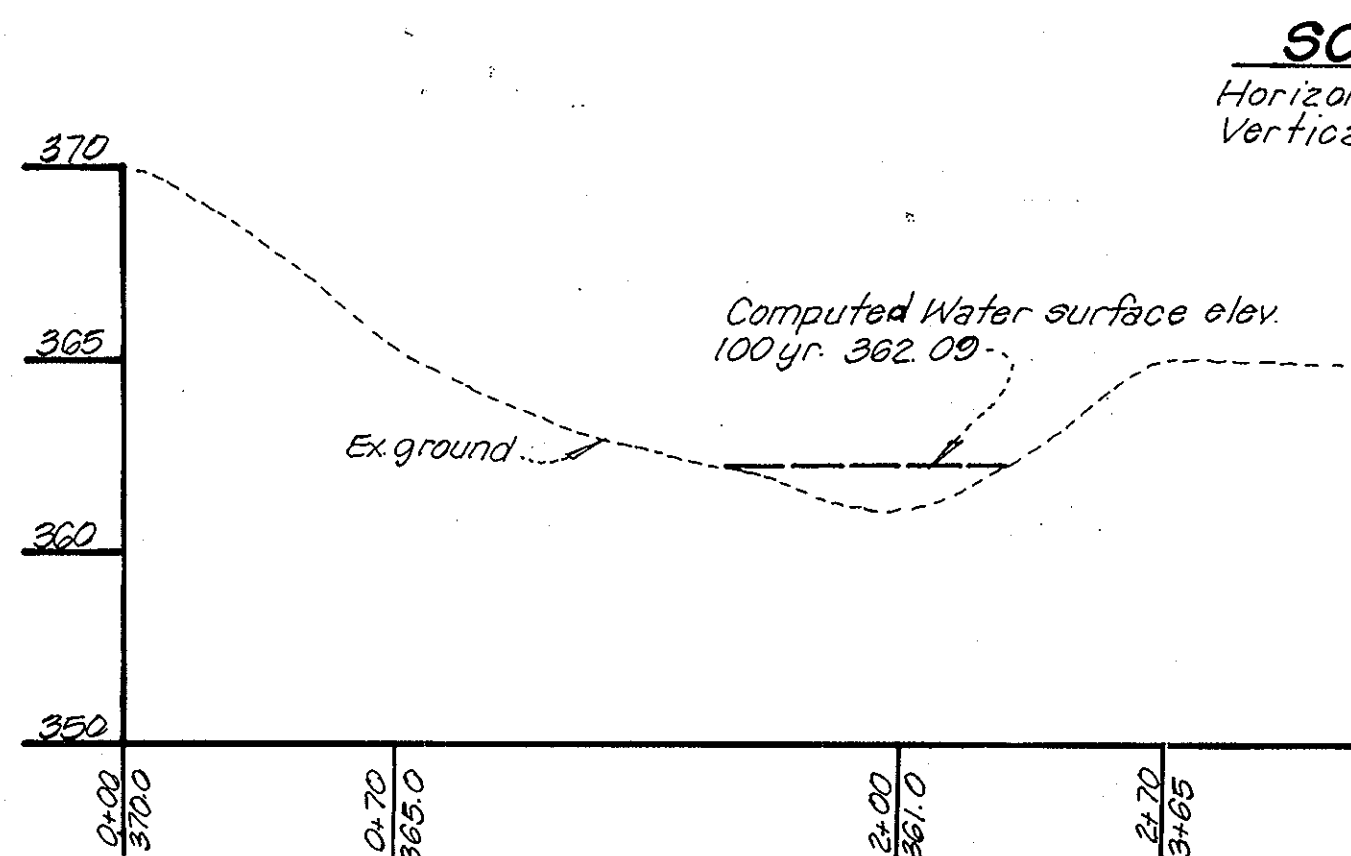
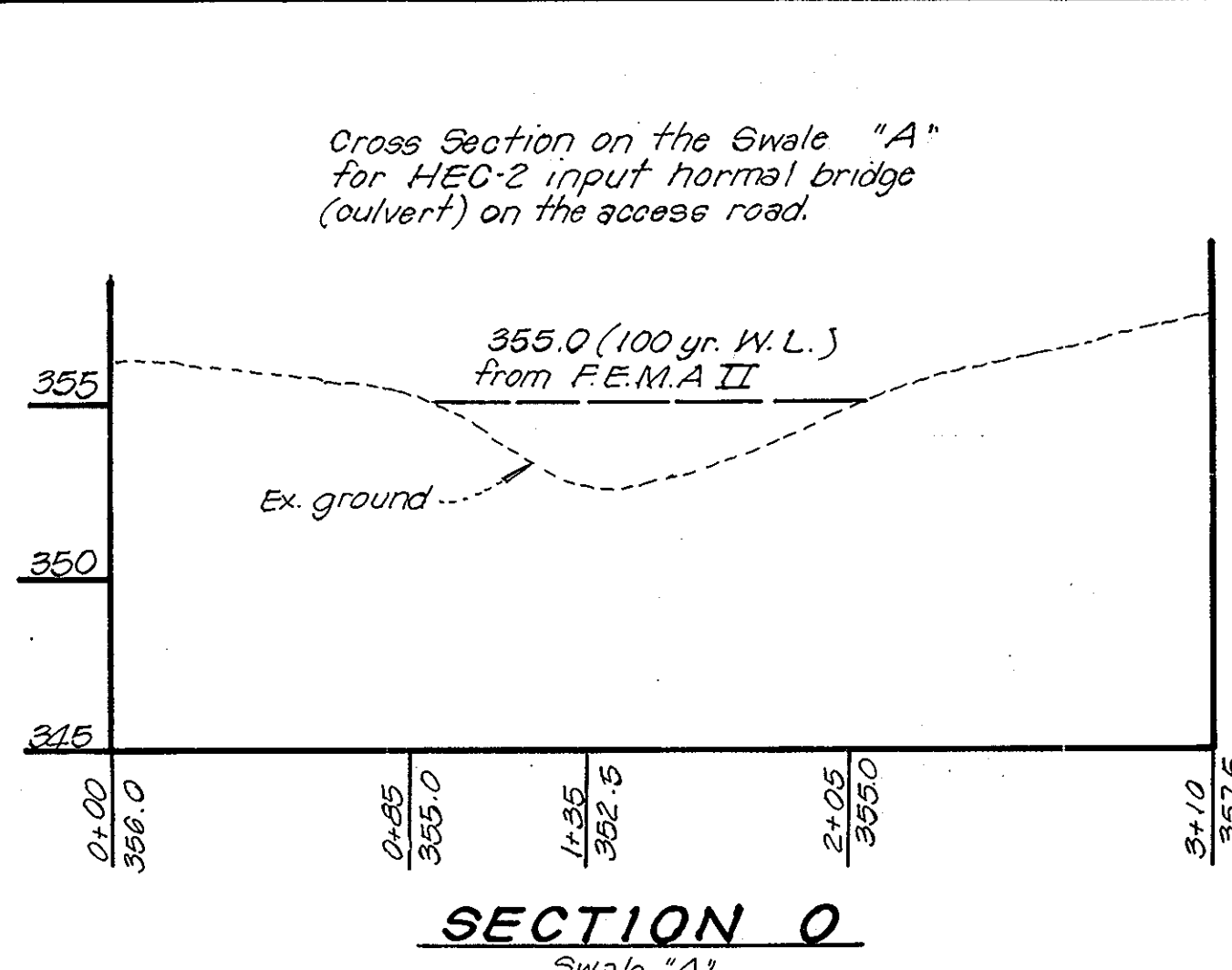
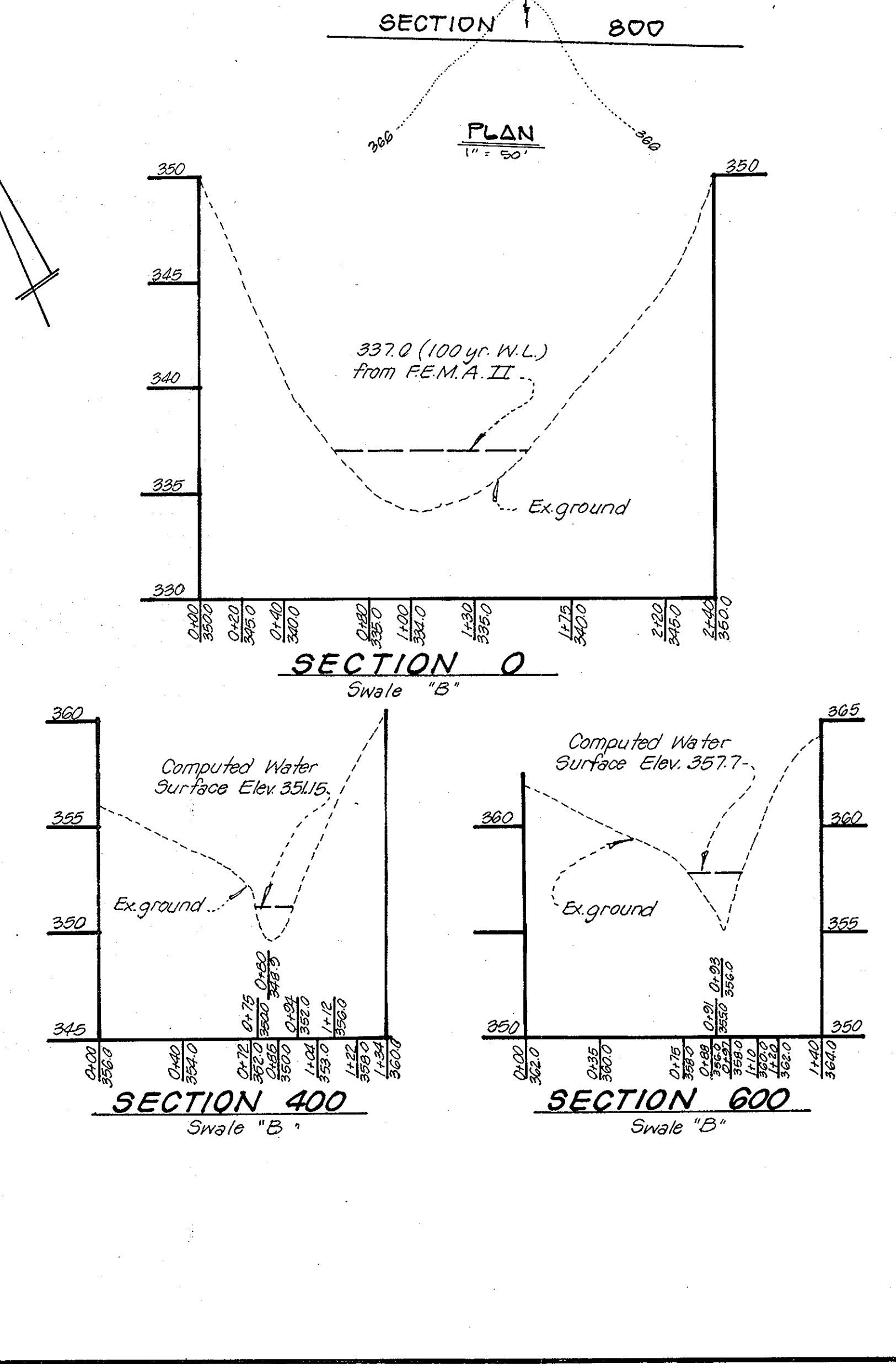
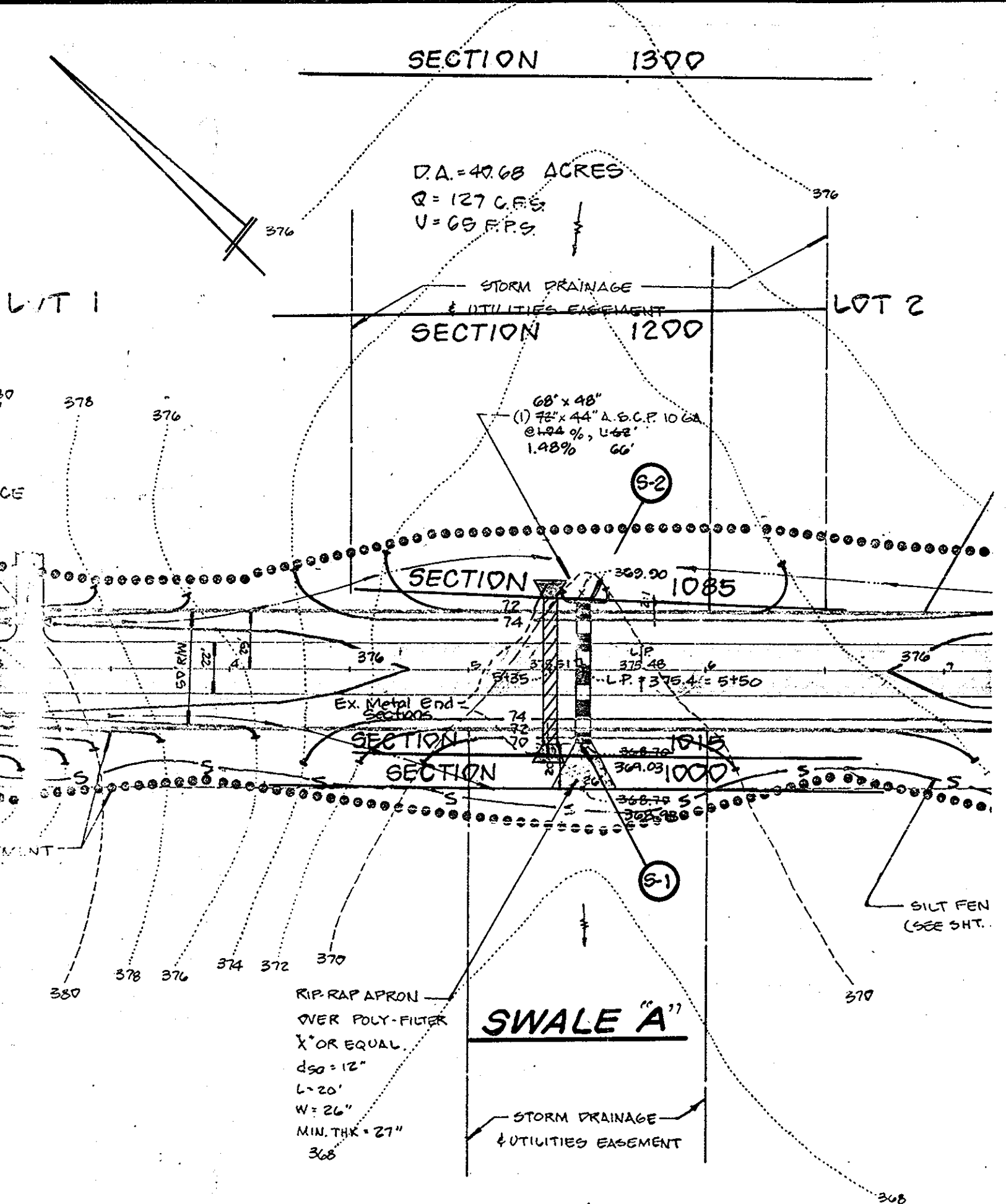
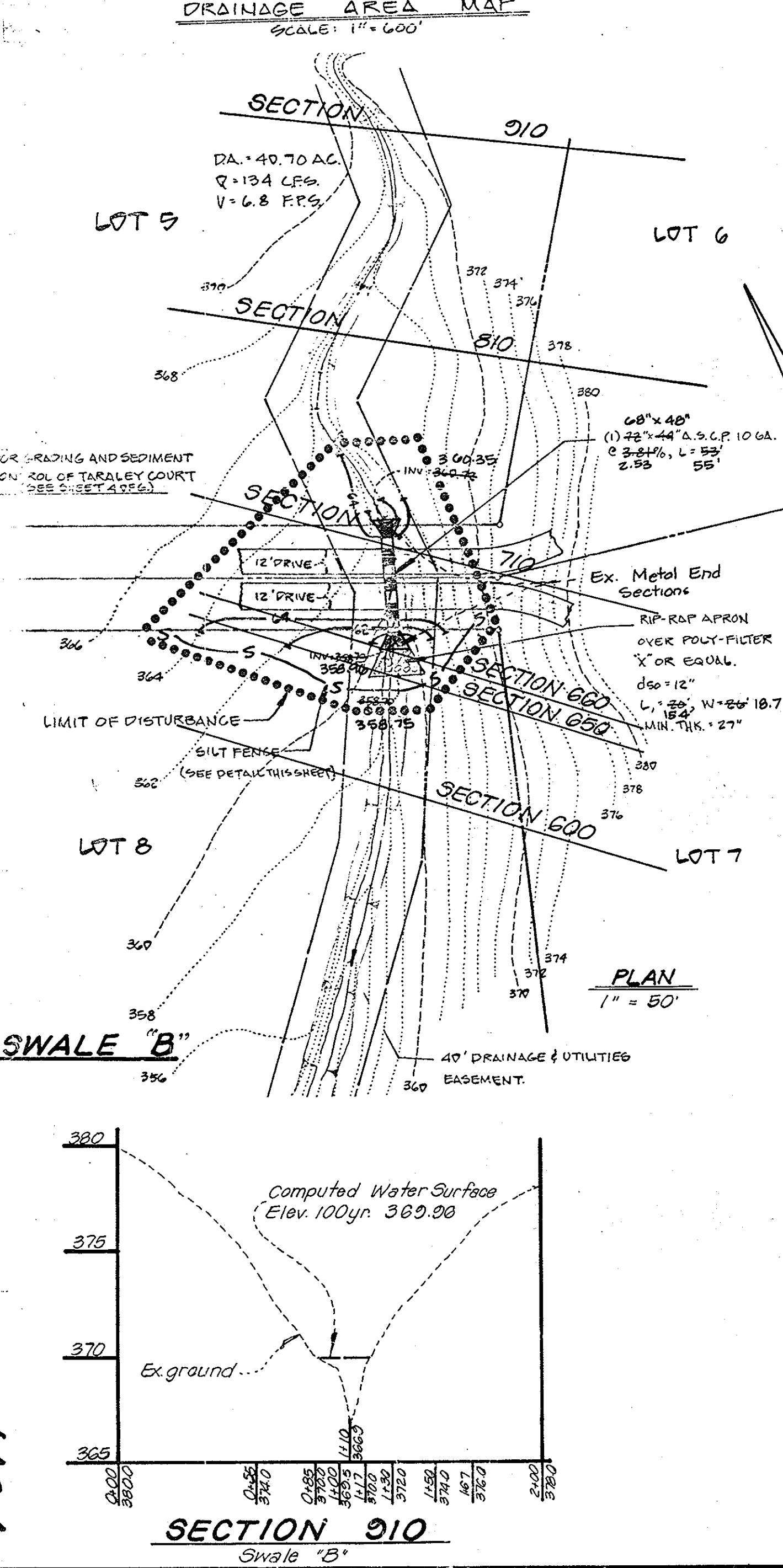
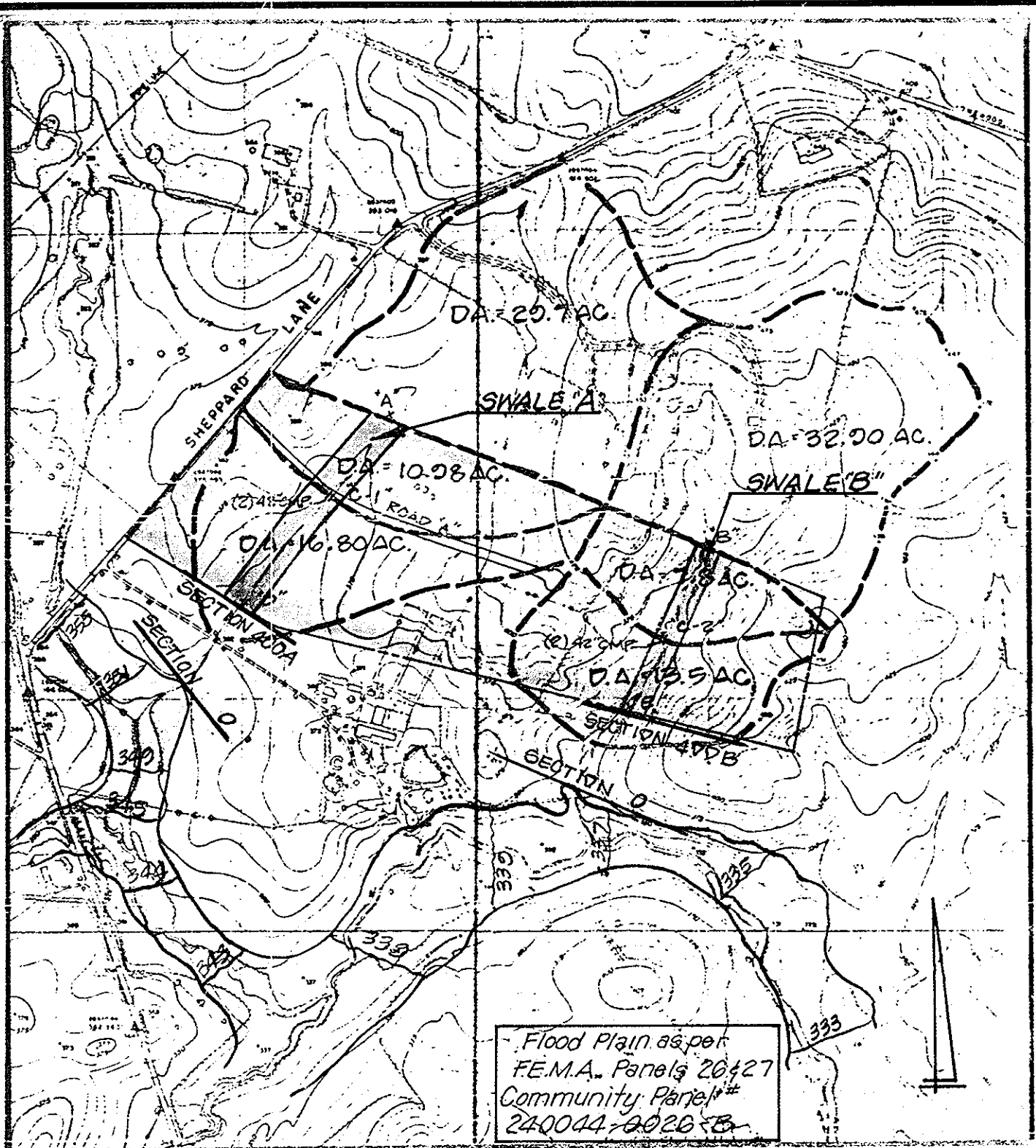
ZONED: R (RURAL)

DESIGNED BY: MIKE L.  
DRAWN BY: MIKE L.  
APPROVED BY: N.E.

SCALE: 1" = 50'  
DATE: 08-16-1988  
SHEET 4 OF 6.

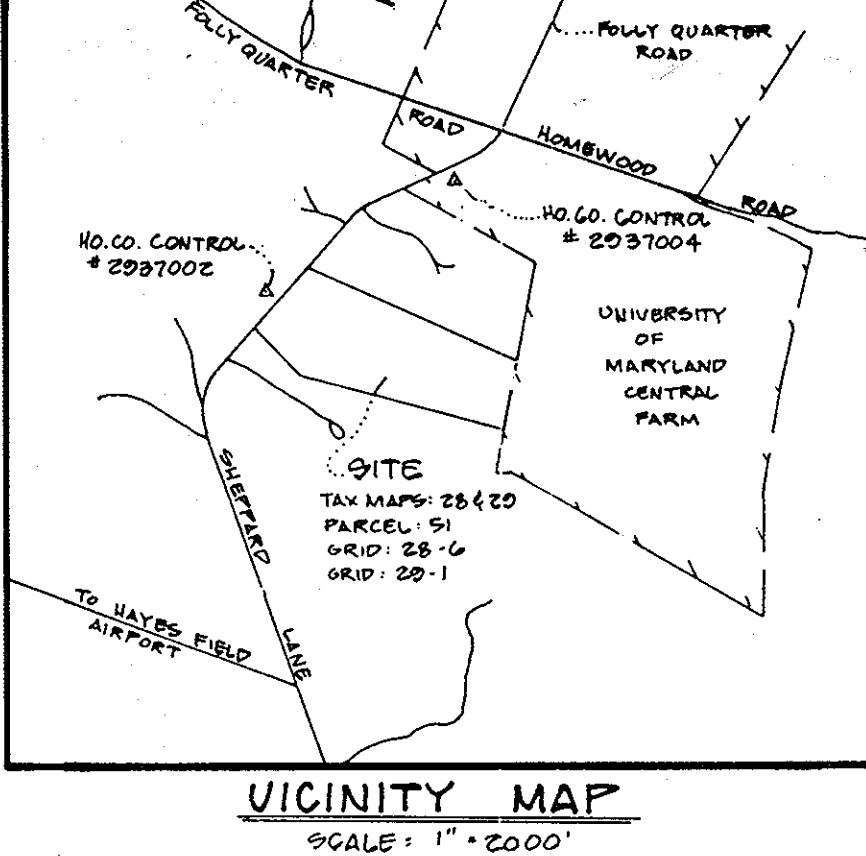
PHONE: 422-6080  
JOB NO.: MD 942  
FILE NO.: 4-5-2047

**Light, Elliott, & Associates**  
ENGINEERS PLANNERS SURVEYORS  
8308 ADELPHI ROAD • ADELPHI, MARYLAND 20783



**SCALES**  
Horizontal: 1" = 50'  
Vertical: 1" = 5'

**SECTION 1015 SECTION 1085**  
Note: These Sections are like Section 1000 with modified elevations due to slope. They are used to outline culvert top and road elevation.



**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.

*[Signature]* 3-16-88 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.

*[Signature]* 3/16/88 DATE

REVIEWED FOR: HOWARD S.C.D. NAME  
AND MEETS TECHNICAL REQUIREMENTS  
*[Signature]* 8/1/88 DATE  
U.S. SOIL CONSERVATION SERVICE

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

*[Signature]* 8/1/88 DATE  
HOWARD S.C.D.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

COLLEEN HEALTH OFFICER DATE

APPROVED: Howard County Office of Planning & Zoning

*[Signature]* 2-2-88 DATE  
CHIEF DIVISION OF COMMUNITY PLANNING  
AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*[Signature]* 8/16/88 DATE  
Chief, Land Development Division

*[Signature]* 8/5/88 DATE  
Chief, Bureau of Highways

*[Signature]* 8-13-88 DATE  
Chief, Bureau of Engineering

Following initial soil disturbance or redistribution, 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 the project site.

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

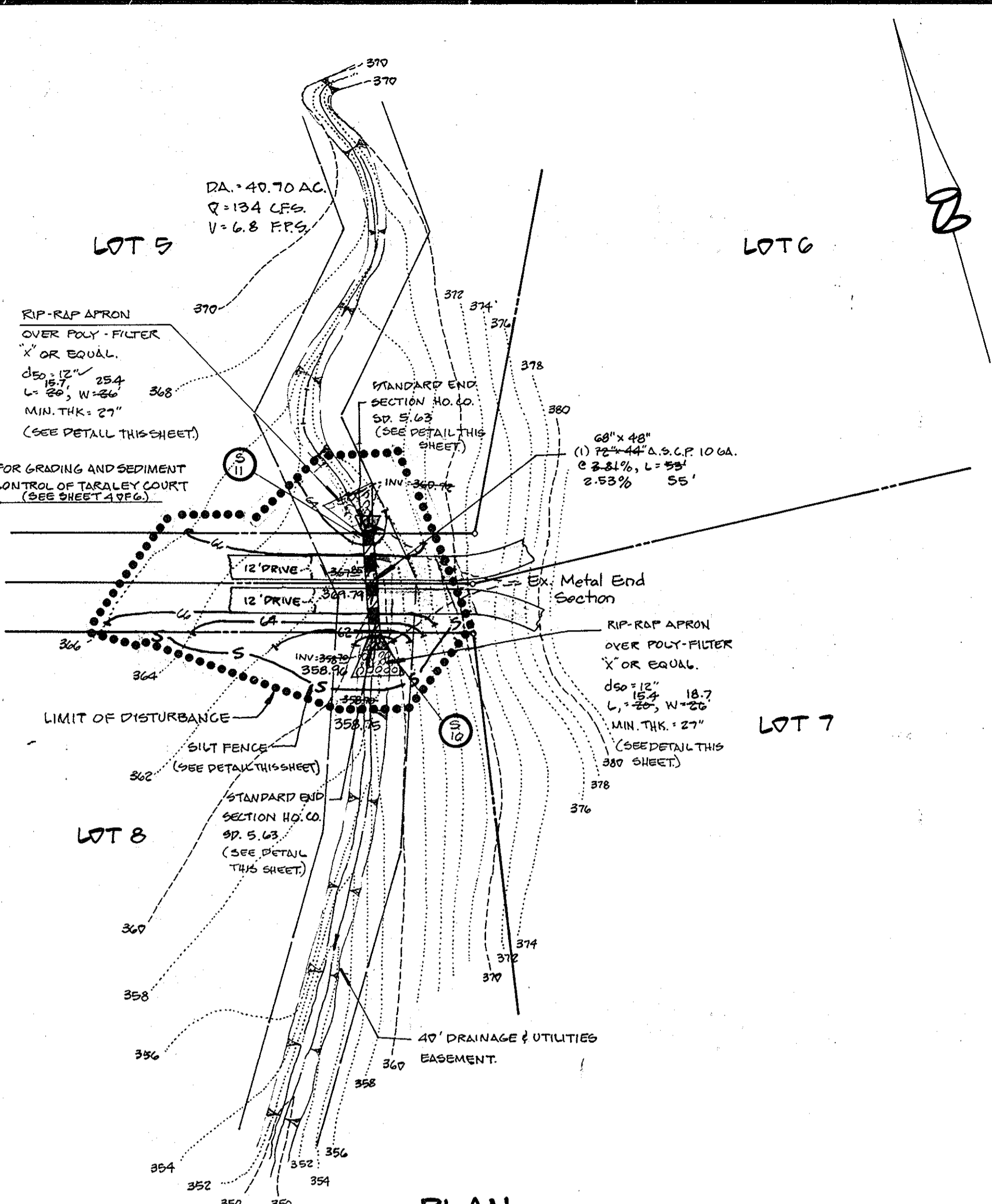
AS-BUILT - 9-17-91  
**DRAINAGE AREA MAP & SECTION SHEET**  
LOTS 1-10  
**FOX RUN ESTATES**  
CLARKSVILLE (9TH) ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

DESIGNED BY: MIKE L.  
DRAWN BY: MIKE L.  
APPROVED BY: N.G.

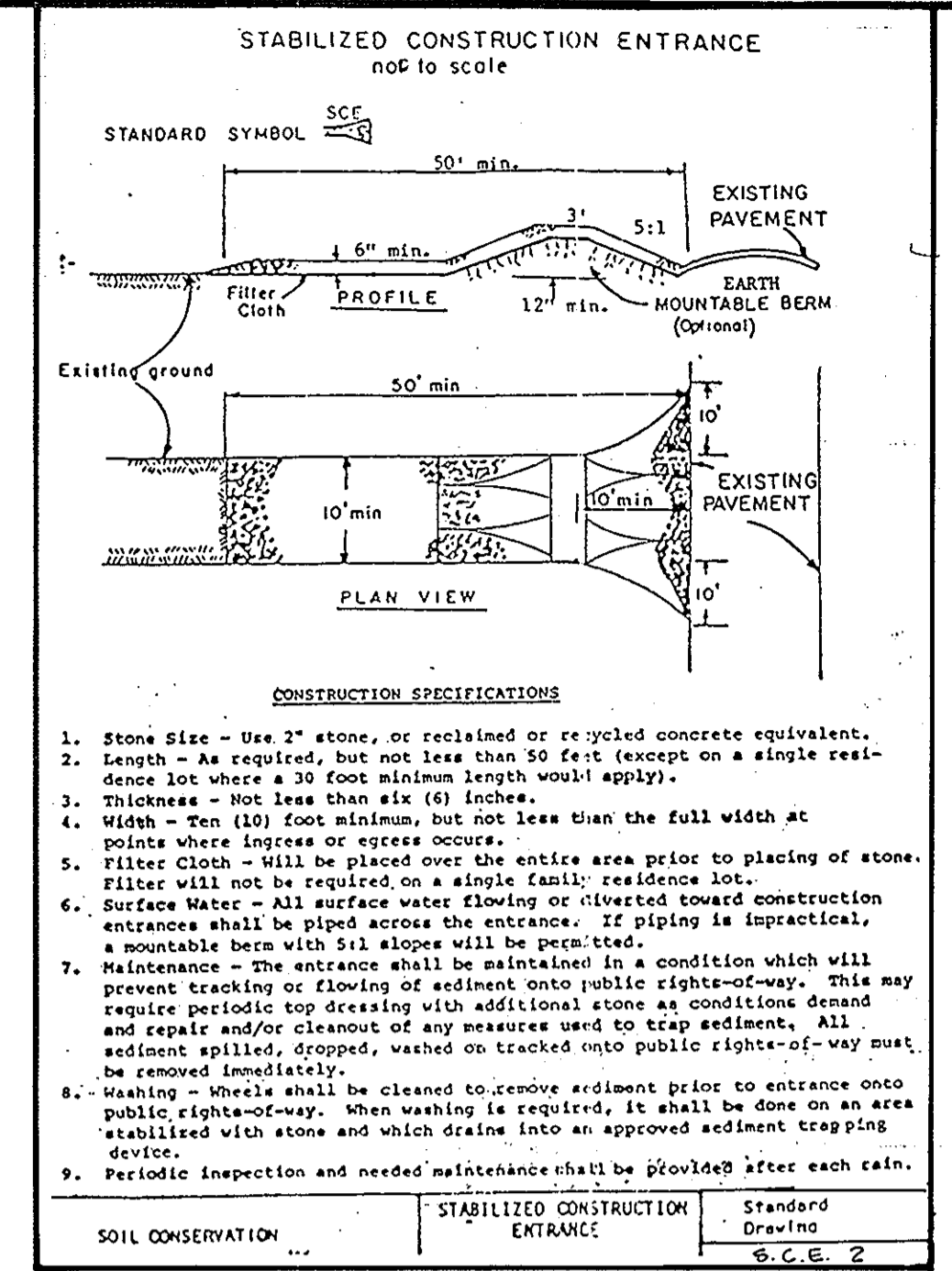
SCALE: 1" = 50' DATE: 03-10-1988 PHONE: 422-6080

**Light, Elliott, & Associates**  
ENGINEERS PLANNERS SURVEYORS  
8508 ADELPHI ROAD - ADELPHI, MARYLAND 20783

JOB NO.: MD 202...  
FILE NO.: 2047...



PLAN  
SCALE: 1" = 50'



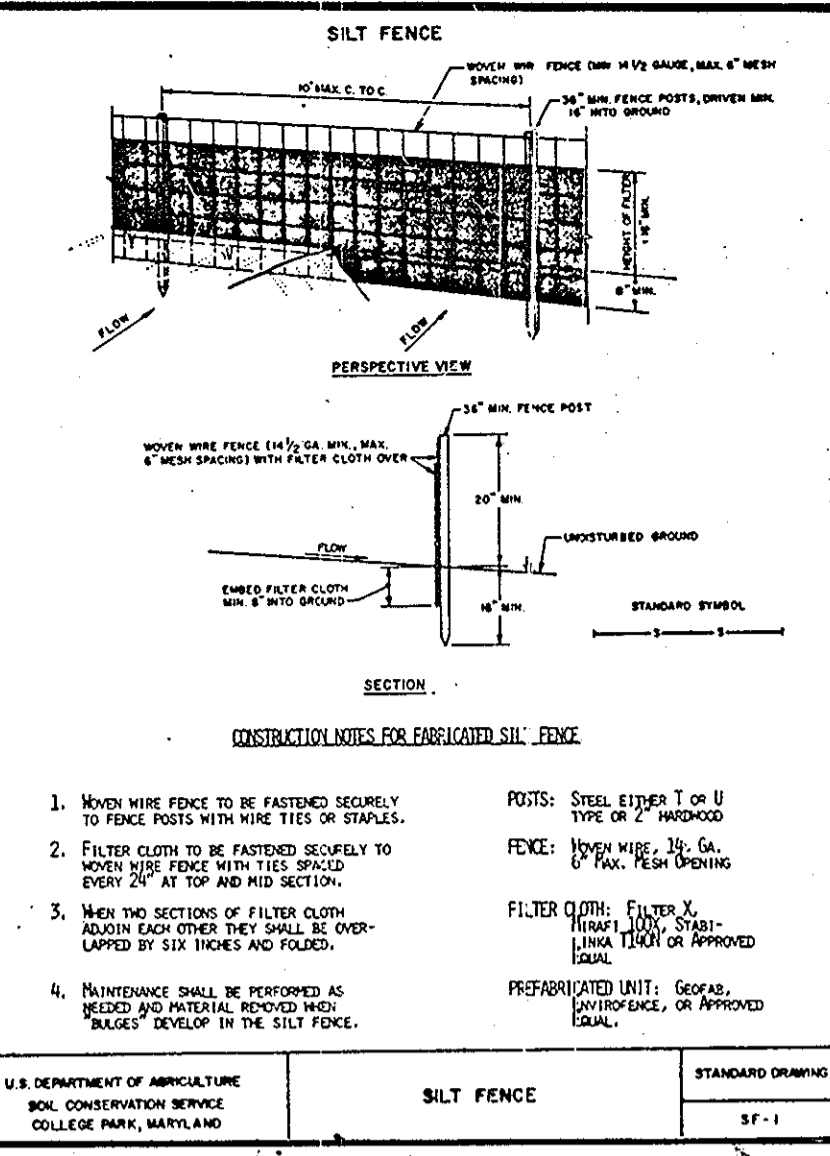
STABILIZED CONSTRUCTION ENTRANCE  
ROP-1 SCALE

CONSTRUCTION SPECIFICATIONS

1. Stone base - Use 3" stone, or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress 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 Water - All surface water flowing or diverted toward construction entrance shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be provided.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking 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 surface used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Vehicles shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trap/ditch device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

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STABILIZED CONSTRUCTION ENTRANCE  
STANDARD DRAWING  
S.C.E. 2



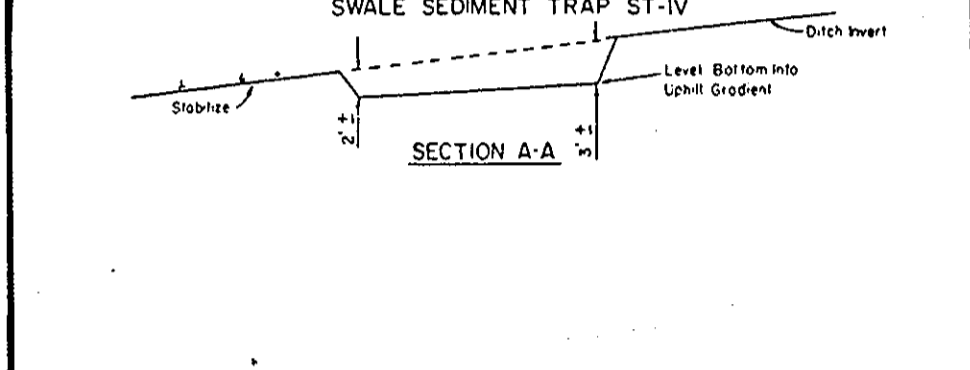
SILT FENCE  
STANDARD DRAWING  
SF-1

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. When wire fence is to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to wooden fence posts with wire ties.
3. Max. the sections of filter cloth to be overlapped by six (6) inches on approved grade.
4. Maintenance shall be performed as needed and material removed when it develops in the silt fence.

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SILT FENCE  
STANDARD DRAWING  
SF-1



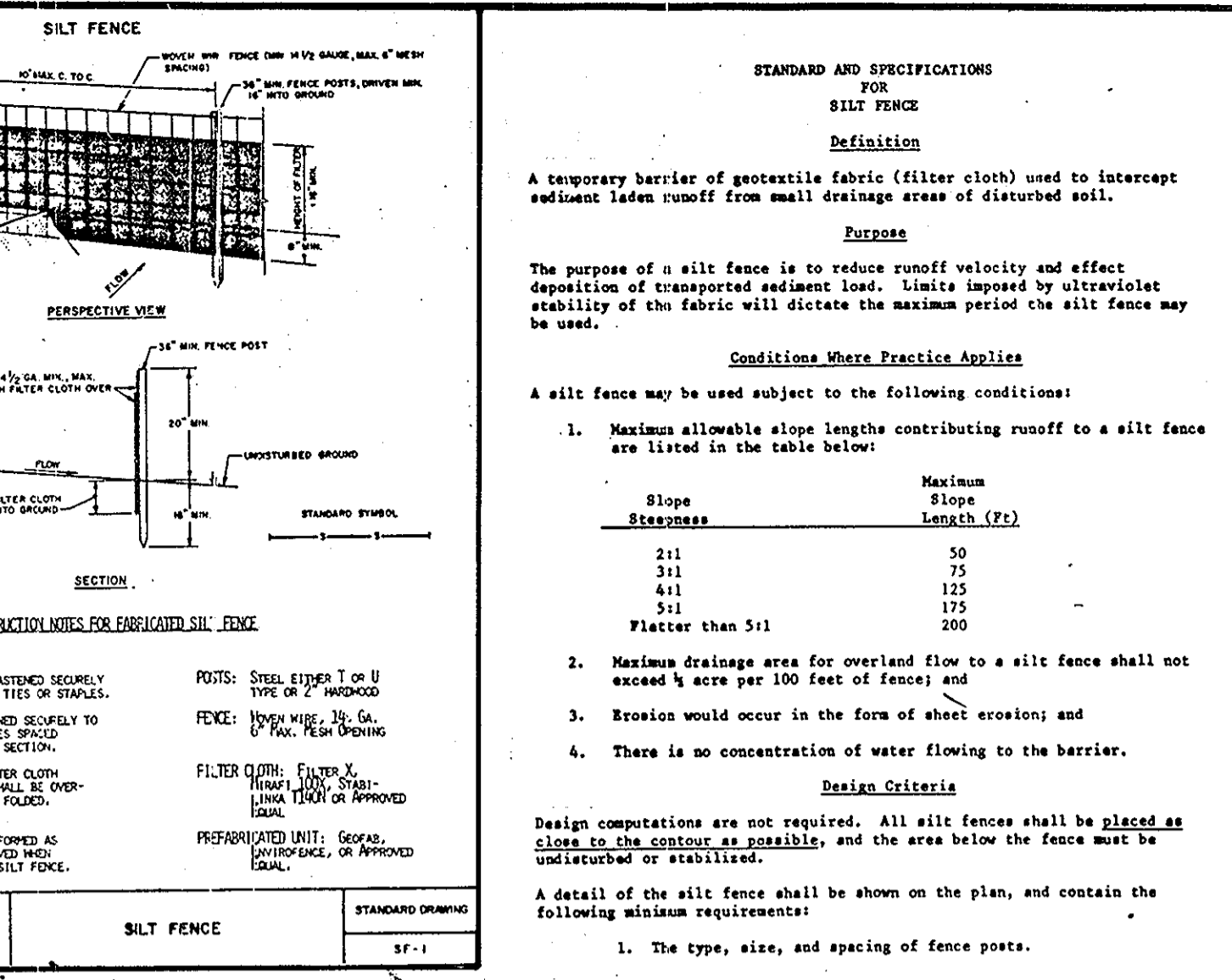
SWALE SEDIMENT TRAP  
STANDARD DRAWING  
ST-IV

CONSTRUCTION SPECIFICATION FOR ST-IV

1. The swale sediment trap shall be constructed in accordance with the dimensions provided on the design drawings or sized to provide the minimum storage necessary 1800 cubic feet of storage for each acre of drainage area.
2. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
3. The structure shall be inspected after each rain and repairs made as needed.
4. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
5. The sediment trap shall be removed and area stabilized when the contributory drainage area has been properly stabilized.
6. The swale sediment trap will be properly backfilled and the swale or ditch reconstructed.

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SWALE SEDIMENT TRAP  
STANDARD DRAWING  
ST-IV

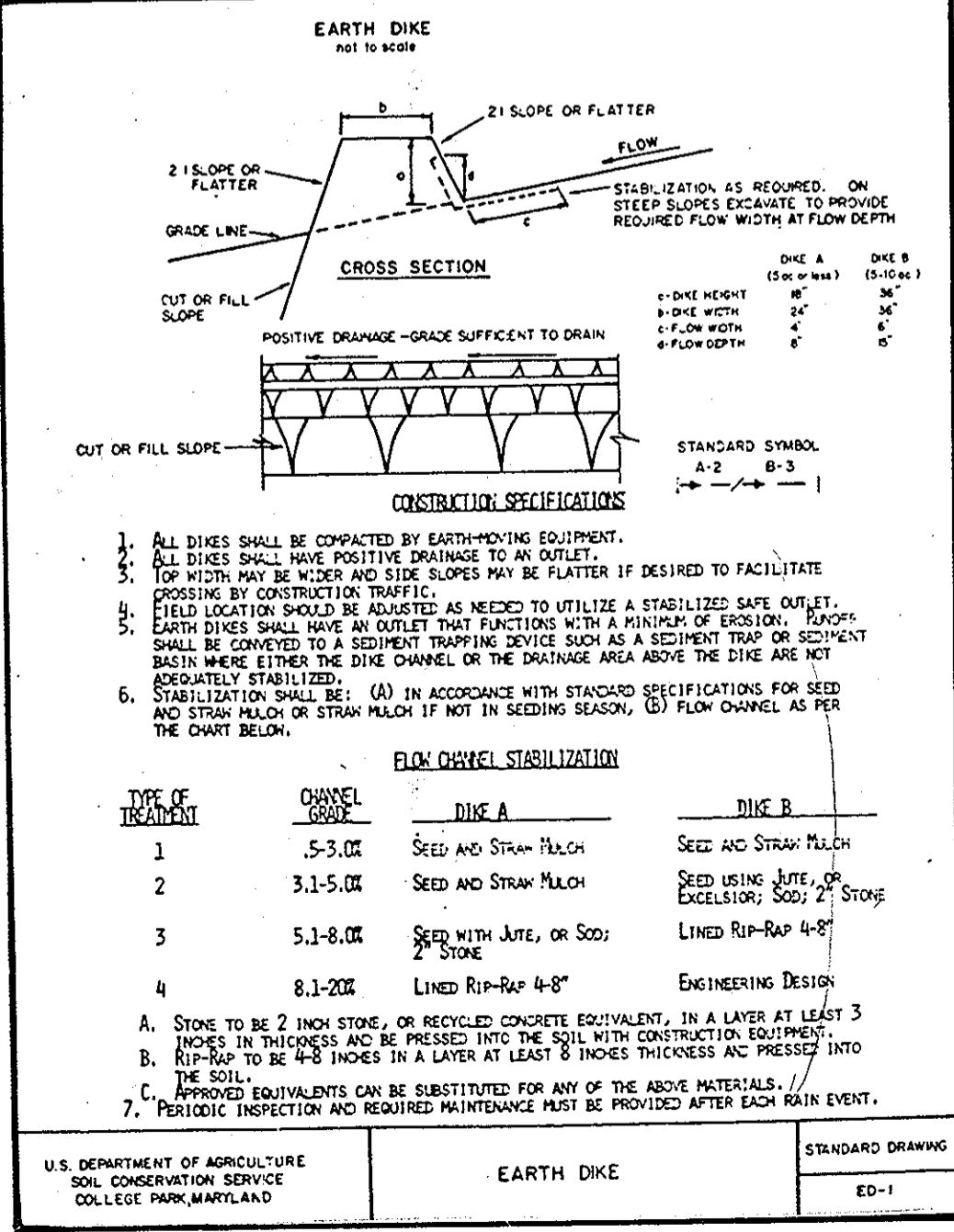


SEQUENCE OF CONSTRUCTION

1. Obtain necessary permits - April, 1988.
2. Notify County 24 hours prior to commencement of construction. - April, 1988.
3. Clear & grub for SCE. - April, 1988.
4. Install SCE. - April, 1988.
5. Install all sediment control materials. - April, 1988.
6. Clear & grub for grading of roads & storm drains only. - May, 1988.
7. INSTALL STORM DRAINS AT STA. 5+40 AND AT PIPE STEM ON LOTS 6 & 7. MAY, 1988.
8. Grade site - MAY, 1988.
9. Install widening of Sheppard Lane & Taralee Court Bituminous Paving. - June, 1988.
10. Stabilize disturbed areas. - June, 1988.
11. Remove sediment control devices when approved by Sediment Control Inspector.

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COLLEGE PARK, MARYLAND

RIP-RAP OUTLET PROTECTION  
STANDARD DRAWING  
ROP-1

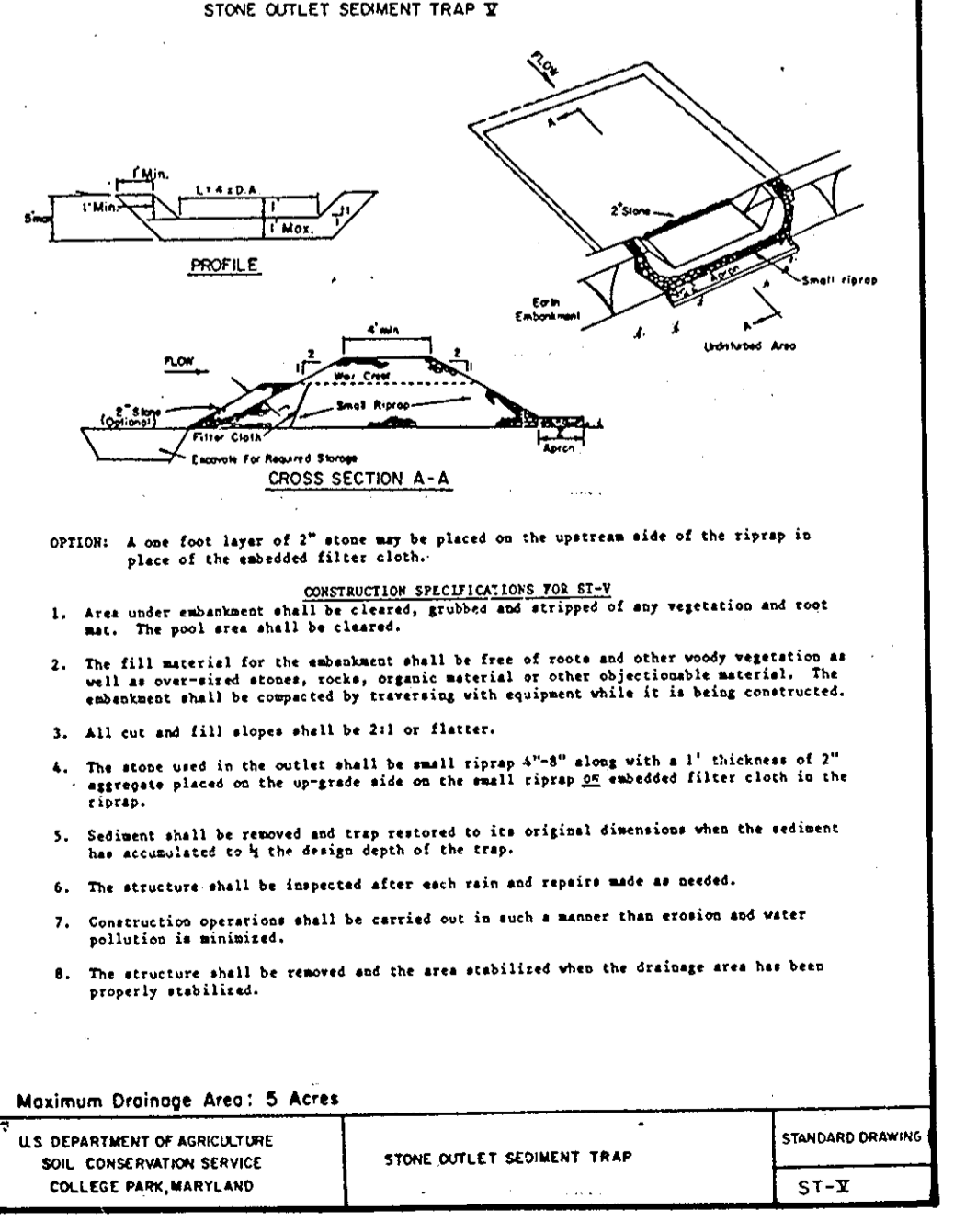


EARTH DIKE  
STANDARD DRAWING  
ED-1

CONSTRUCTION SPECIFICATIONS

1. All dikes shall be compacted by earthmoving equipment.
2. All dikes shall have positive drainage to an outlet.
3. Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
4. Field location should be adjusted as needed to utilize a stabilized safe outlet.
5. Earth dikes shall have an outlet that functions with a minimum of erosion. Ditches shall be converted to a sediment trapping device such as a sediment trap or sediment ditch where either the dike channel or the drainage area above the dike are not adequately stabilized.
6. Stabilization shall be: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

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SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND

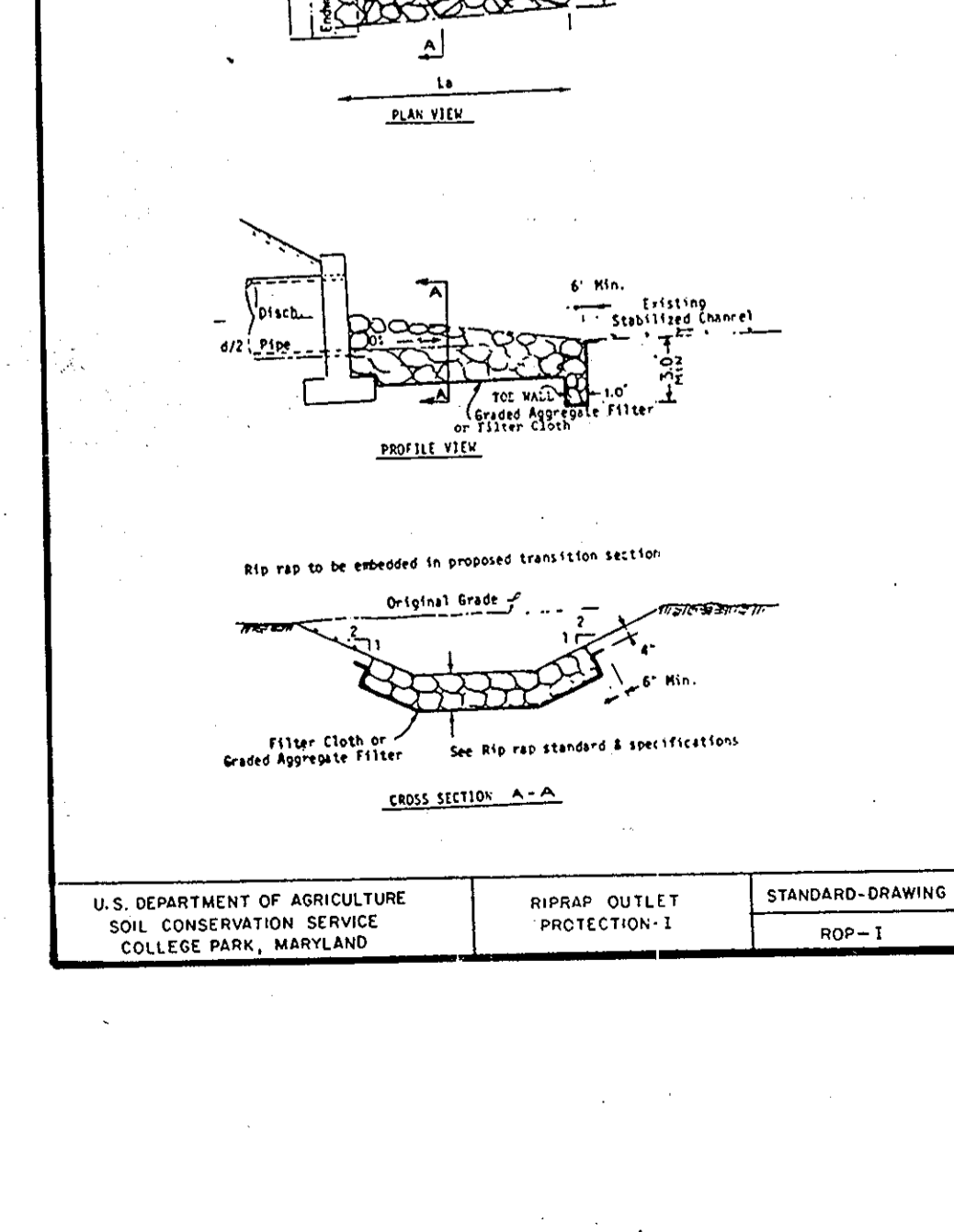


STONE OUTLET SEDIMENT TRAP  
STANDARD DRAWING  
ST-X

CONSTRUCTION SPECIFICATIONS FOR ST-X

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as unweathered stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traveling with equipment while it is being constructed.
3. All cut and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be well riprap 4" to 6" along with a 1" thickness of 3" aggregate placed on the outside side on the multi riprap 22 embedded filter cloth in the riprap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

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COLLEGE PARK, MARYLAND

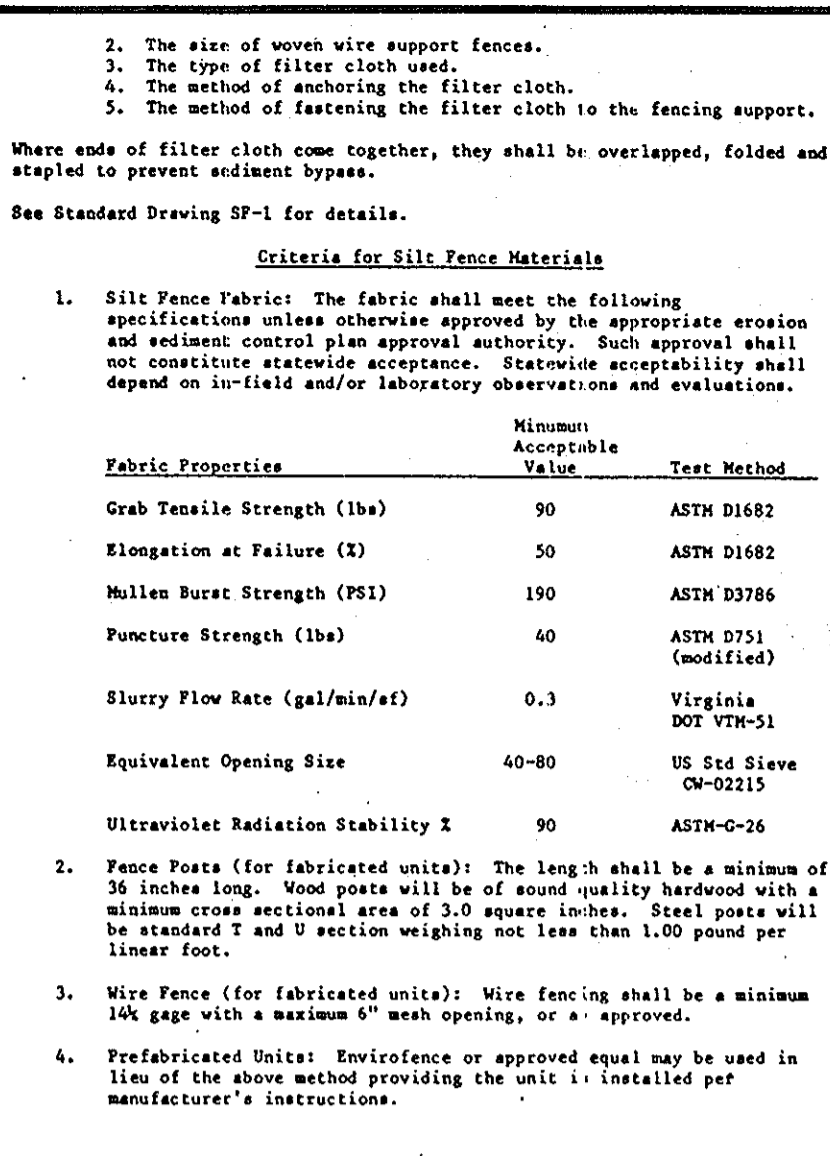


RIP-RAP OUTLET PROTECTION  
STANDARD DRAWING  
ROP-1

CONSTRUCTION SPECIFICATIONS FOR ROP-1

1. Rip-rap to be embedded in proposed transition section.
2. Rip-rap to be placed on a 6" thick layer of 3/4" aggregate.
3. Rip-rap to be placed on a 6" thick layer of 3/4" aggregate.
4. Rip-rap to be placed on a 6" thick layer of 3/4" aggregate.
5. Rip-rap to be placed on a 6" thick layer of 3/4" aggregate.
6. Rip-rap to be placed on a 6" thick layer of 3/4" aggregate.
7. Rip-rap to be placed on a 6" thick layer of 3/4" aggregate.
8. Rip-rap to be placed on a 6" thick layer of 3/4" aggregate.

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND



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."

ENGINEER'S CERTIFICATE

"I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN FOR THE PROTECTION OF THE SITE CONDITIONS THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

REVIEWED FOR

HOWARD S.C.D.  
NAME: Howard S.C.D.  
AND MEETS TECHNICAL REQUIREMENTS  
DATE: 8/1/88

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

DATE: 8-18-88

APPROVED: Howard County Office of Planning & Zoning

DATE: 8-18-88

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DATE: 8/16/88

APPROVED: Chief, Bureau of Highways

DATE: 8/15/88

APPROVED: Chief, Bureau of Engineering

DATE: 8-18-88

Following initial soil disturbance or redistribution, 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 the project site.

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

AS-BUILT - 9-17-91  
ROUGH GRADING, SOIL EROSION/SEDIMENT CONTROL  
DETAIL SHEET  
FOX RUN ESTATES  
CLARKVILLE (9TH) ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

DESIGNED BY: MIKE L  
DRAWN BY: MIKE L  
APPROVED BY: L.1963 F.G. N.S. SHEET 6 OF 6

DATE: 03-16-1988  
PHONE: 422-6080

Light, Elliott, & Associates  
ENGINEERS PLANNERS SURVEYORS  
8506 ADELPHI ROAD • ADELPHI, MARYLAND 20783

JOB NO. MD 242  
FILE NO. 53-2913

AS-BUILT  
1/16/92  
F-88-209