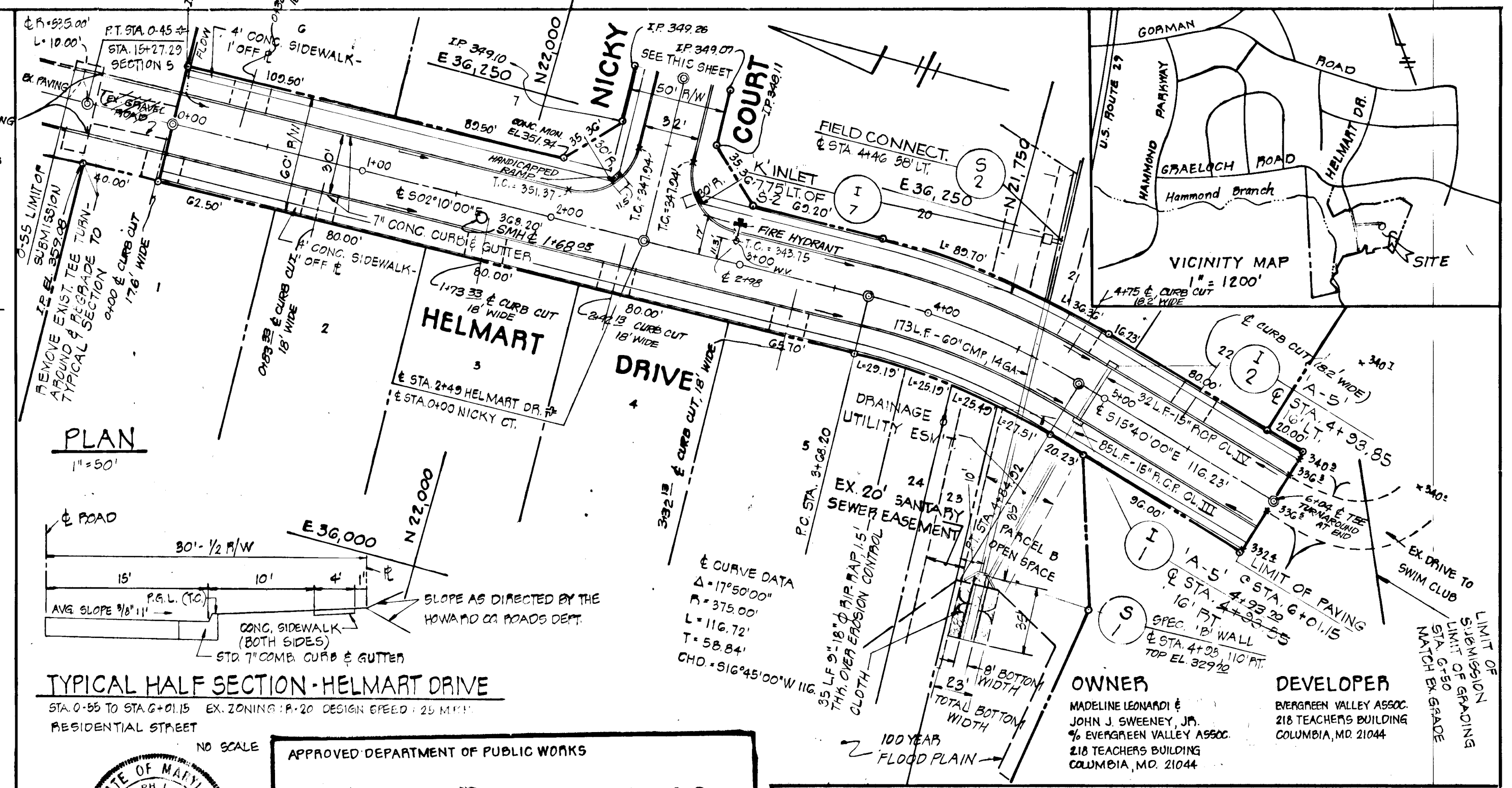
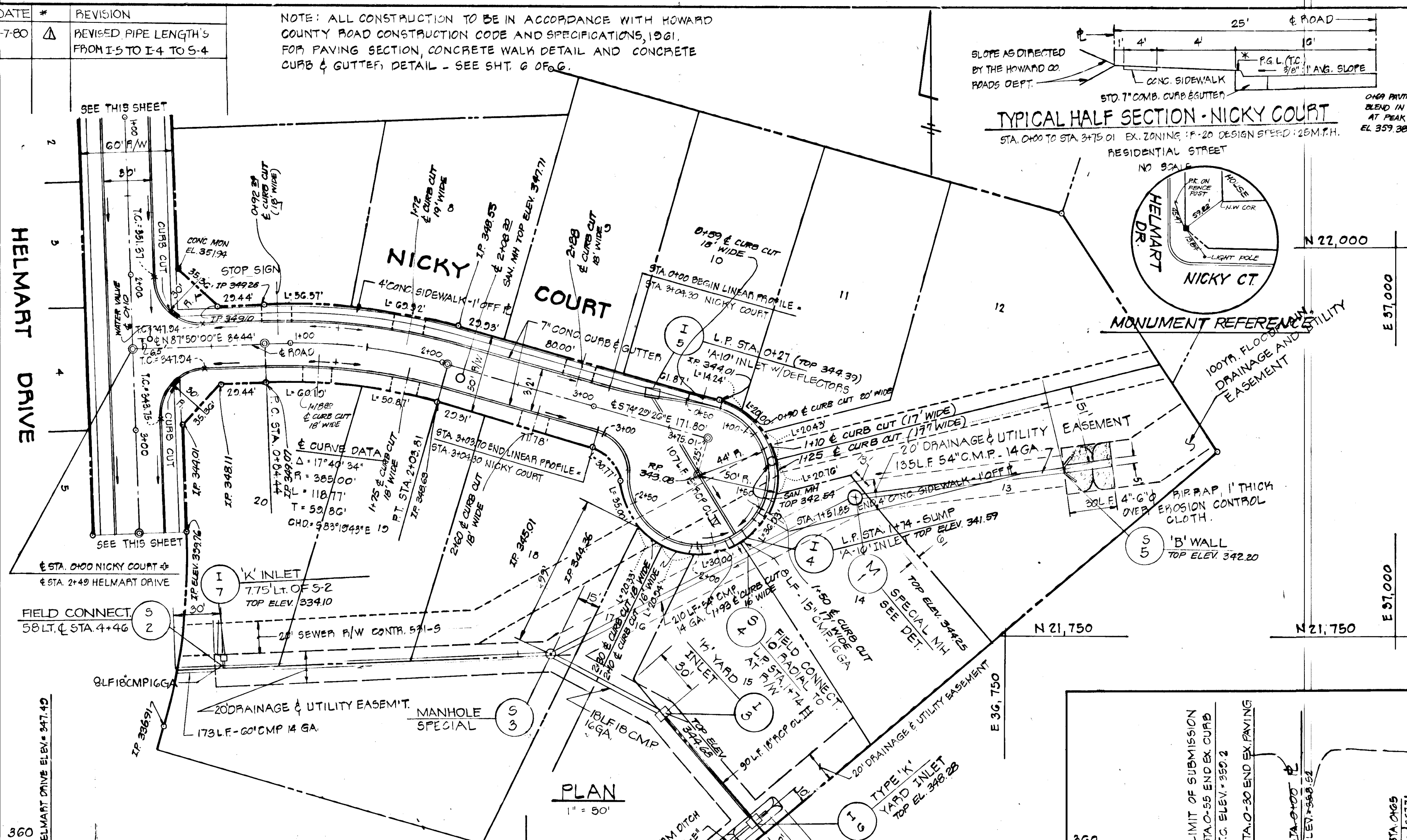


DATE	REVISION
11-7-80	REVISED PIPE LENGTHS FROM I-5 TO I-4 TO S-4

NOTE: ALL CONSTRUCTION TO BE IN ACCORDANCE WITH HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS, 1961. FOR PAVING SECTION, CONCRETE WALK DETAIL AND CONCRETE CURB & GUTTER, DETAIL - SEE SHT. 6 OF 6.



APPROVED DEPARTMENT OF PUBLIC WORKS  
*John D. De...* 9-22-80  
 CHIEF, BUREAU OF ENGINEERING

APPROVED OFFICE OF PLANNING AND ZONING  
*Phillip...* 9-12-80  
 CHIEF, DIVISION OF LAND DEVELOPMENT

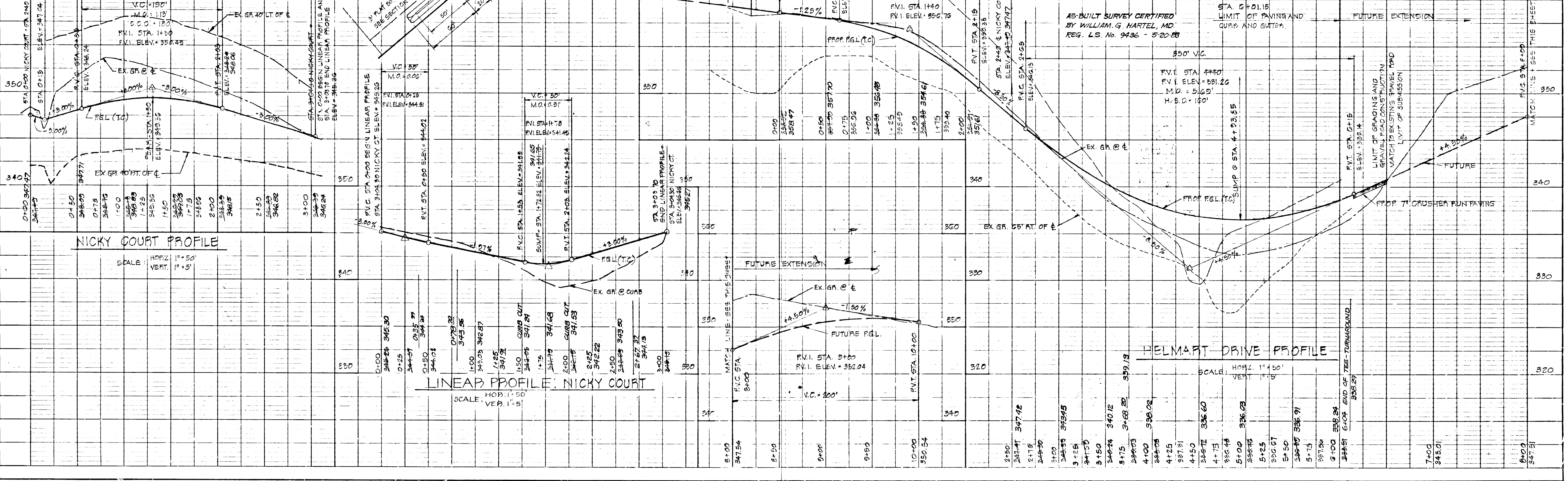
STATE OF MARYLAND  
 REGISTERED PROFESSIONAL ENGINEER  
*Rodolph...* 1-22-80

OWNER MADRIENE LEONARDI & JOHN J. SWEENEY, JR. % EVERGREEN VALLEY ASSOC. 218 TEACHERS BUILDING COLUMBIA, MD. 21044			
DEVELOPER EVERGREEN VALLEY ASSOC. 218 TEACHERS BUILDING COLUMBIA, MD. 21044			

PROJECT HELMART DRIVE & NICKY COURT			
LOCATION LOTS 1-27 HAMMOND VILLAGE - SECTION 8			
DATE JAN. 1980	DESIGN BY -	DRAWN BY -	CHECKED BY P.L.M.
SCALE AS SHOWN	JOB NO. 70183	DRAWING NO. 1 OF 6	

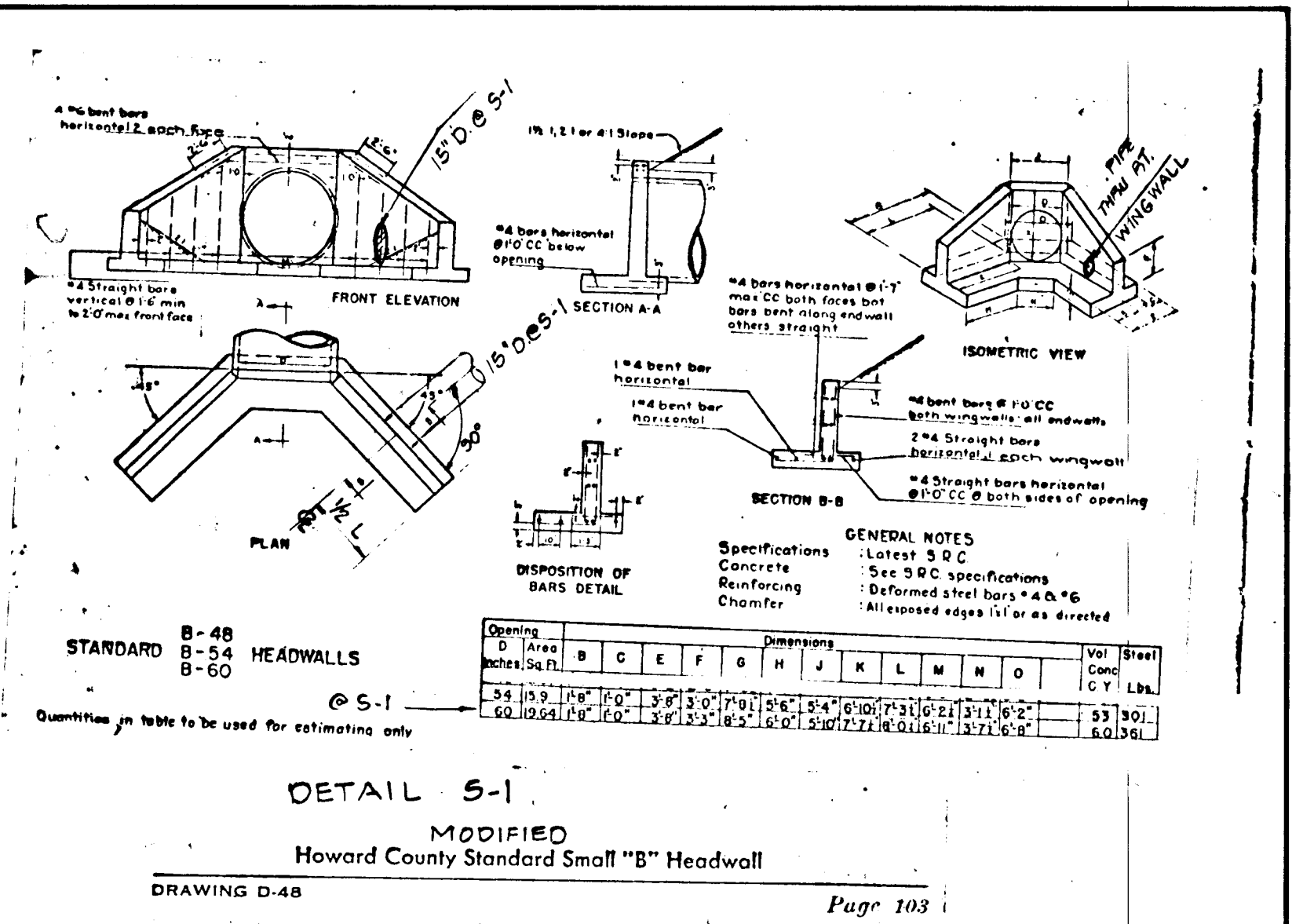
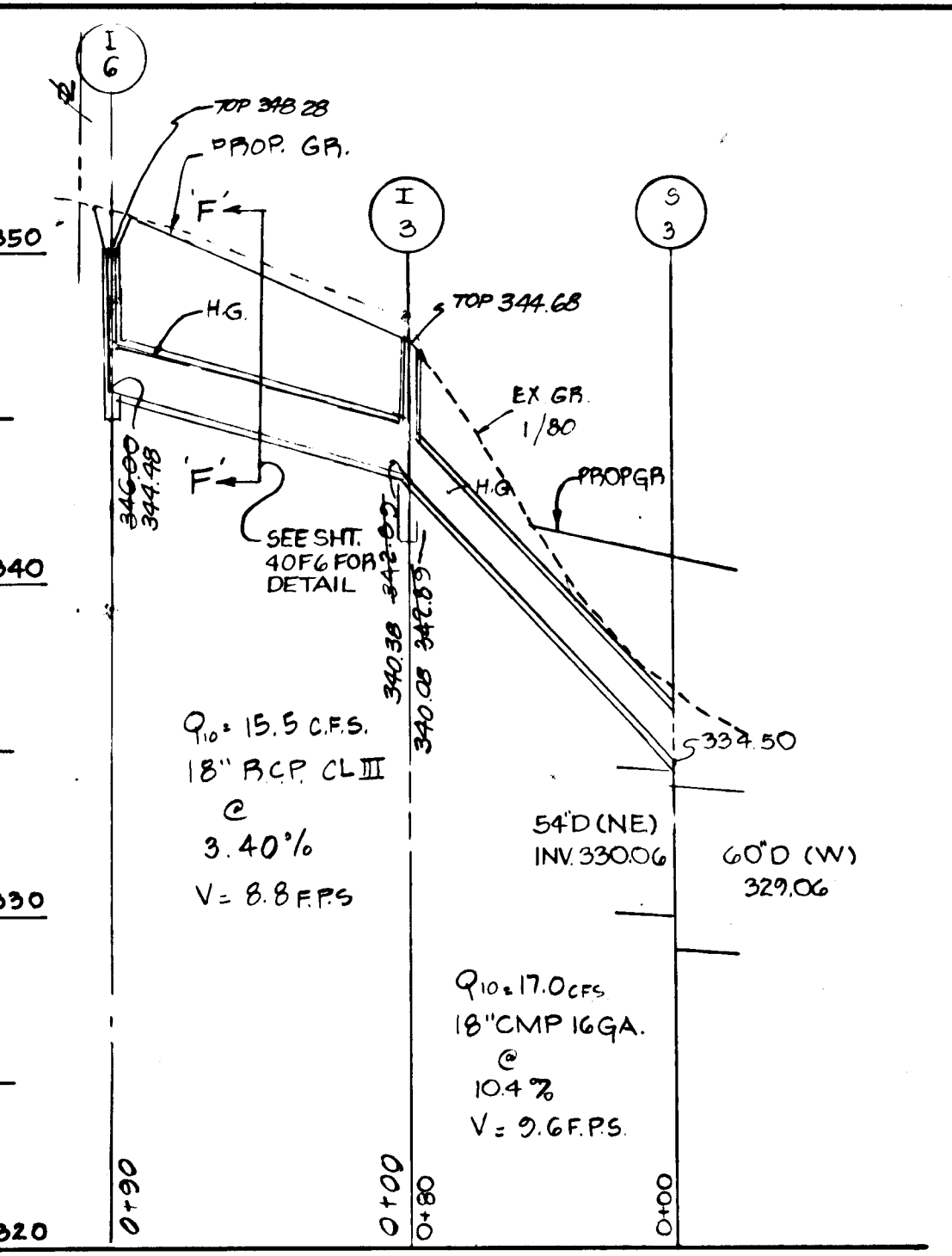
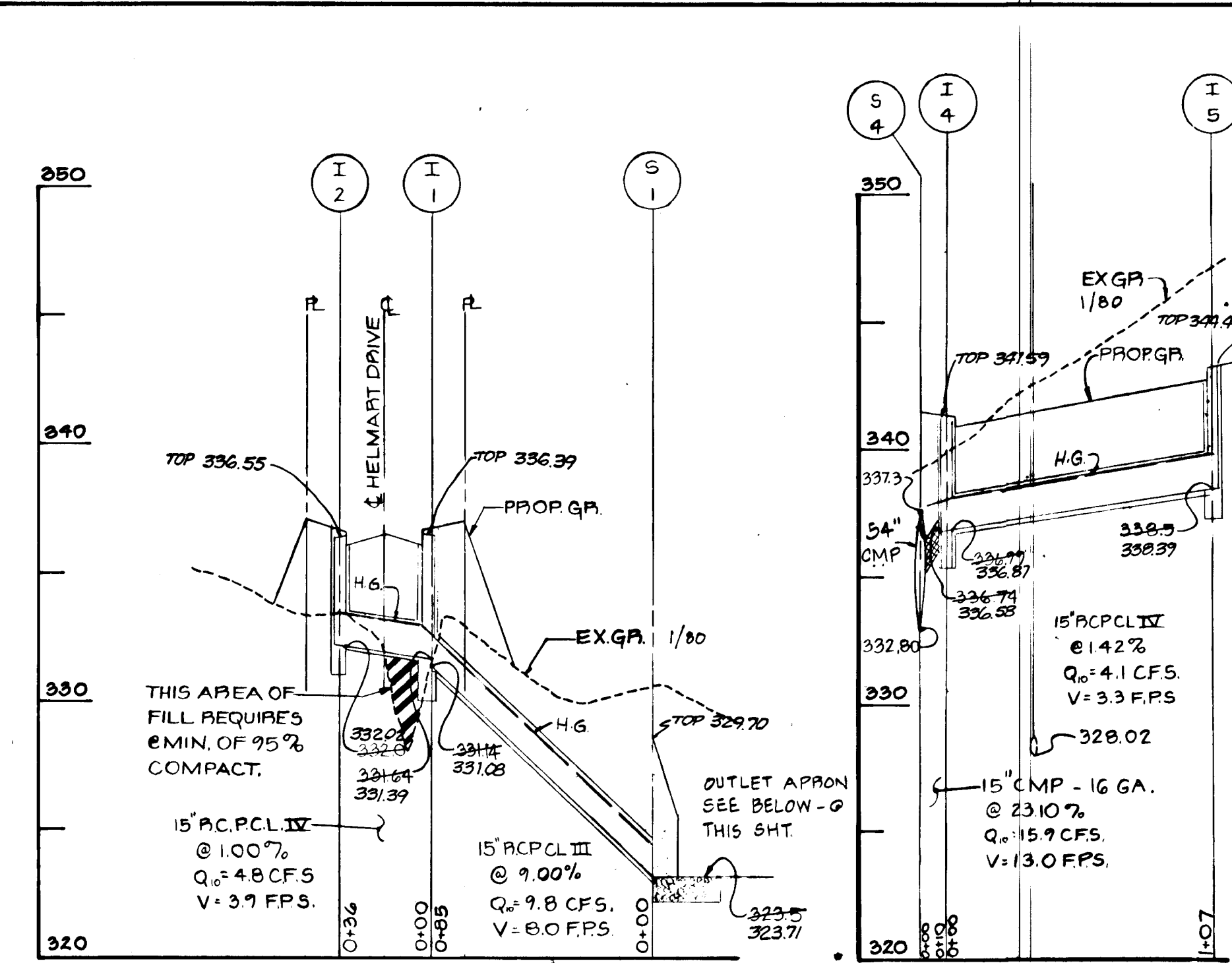
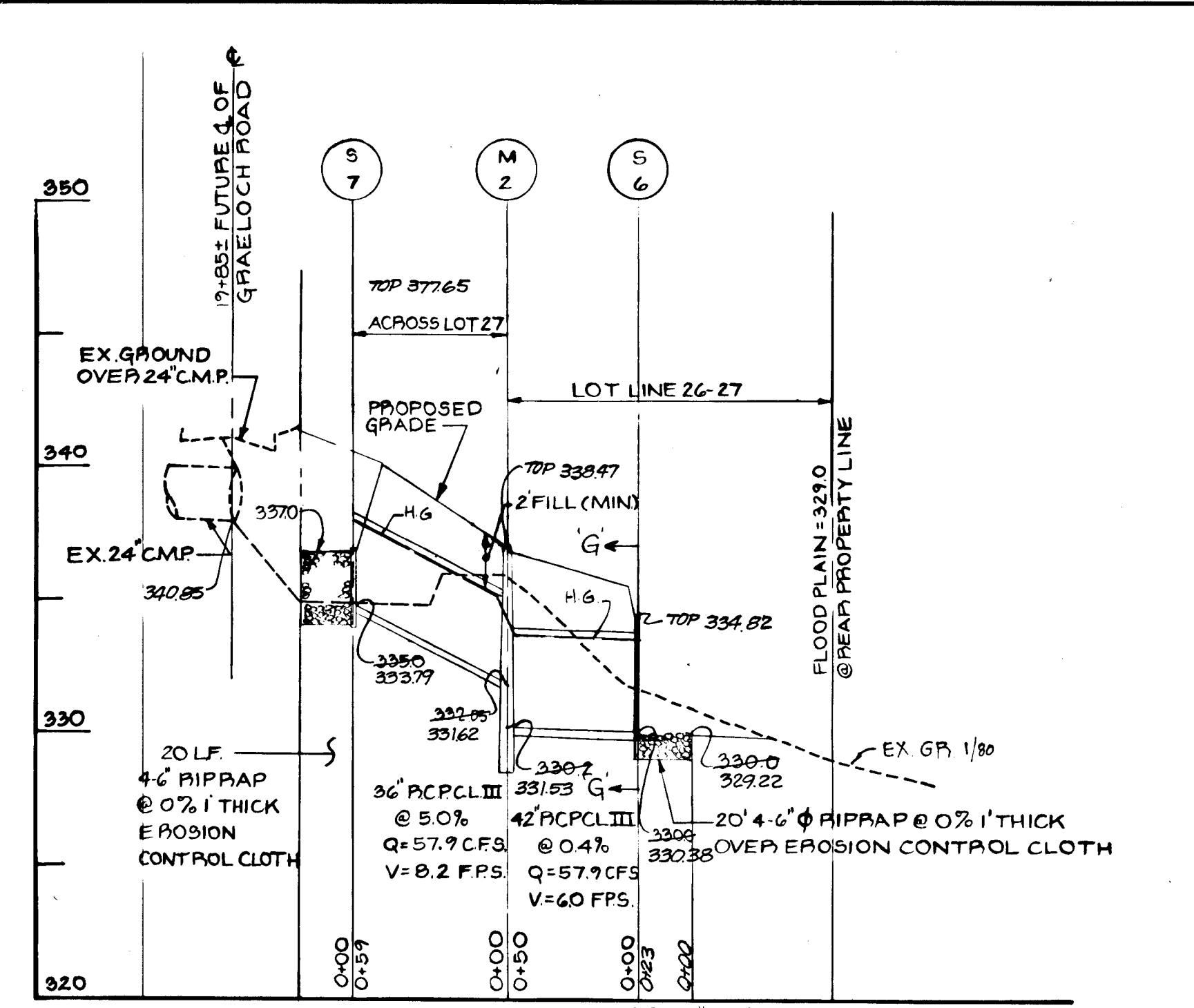
BOENDER ASSOCIATES, INC.  
 SUITE 101-107 TOWN & COUNTRY PROFESSIONAL BLDG.  
 ELLICOTT CITY, MARYLAND 21043  
 BALTIMORE, 301-465-7777

boender associates  
 BALTIMORE 301-465-7777 • SALISBURY 301-740-1286  
 engineers/surveyors/planners



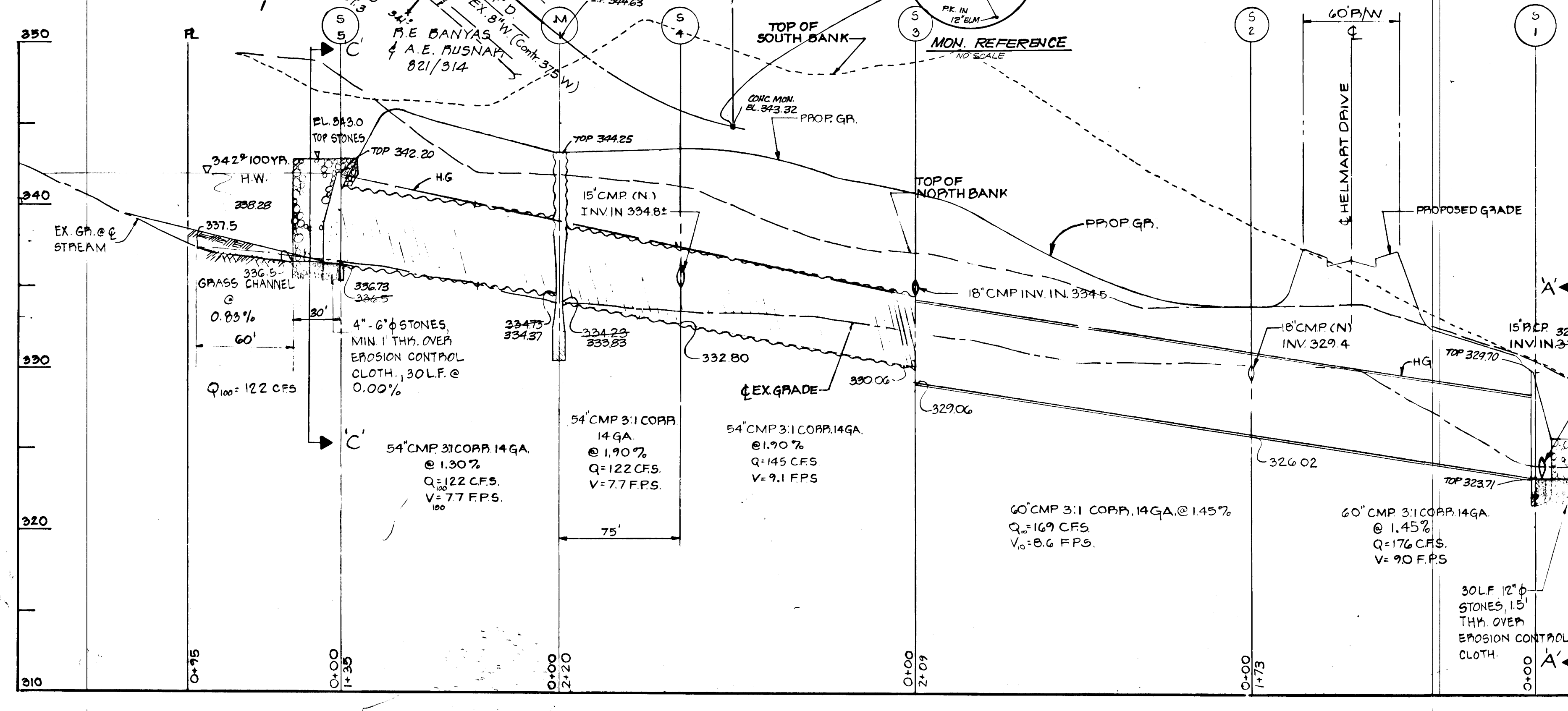
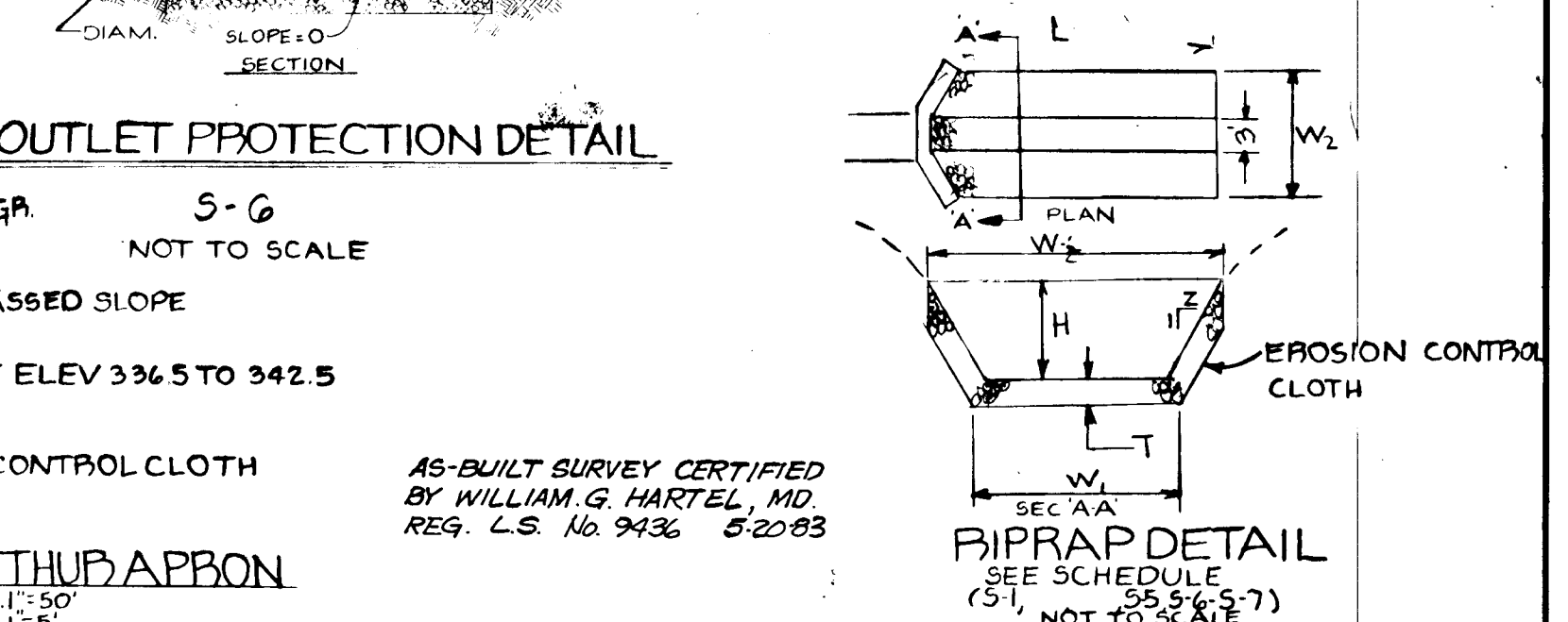
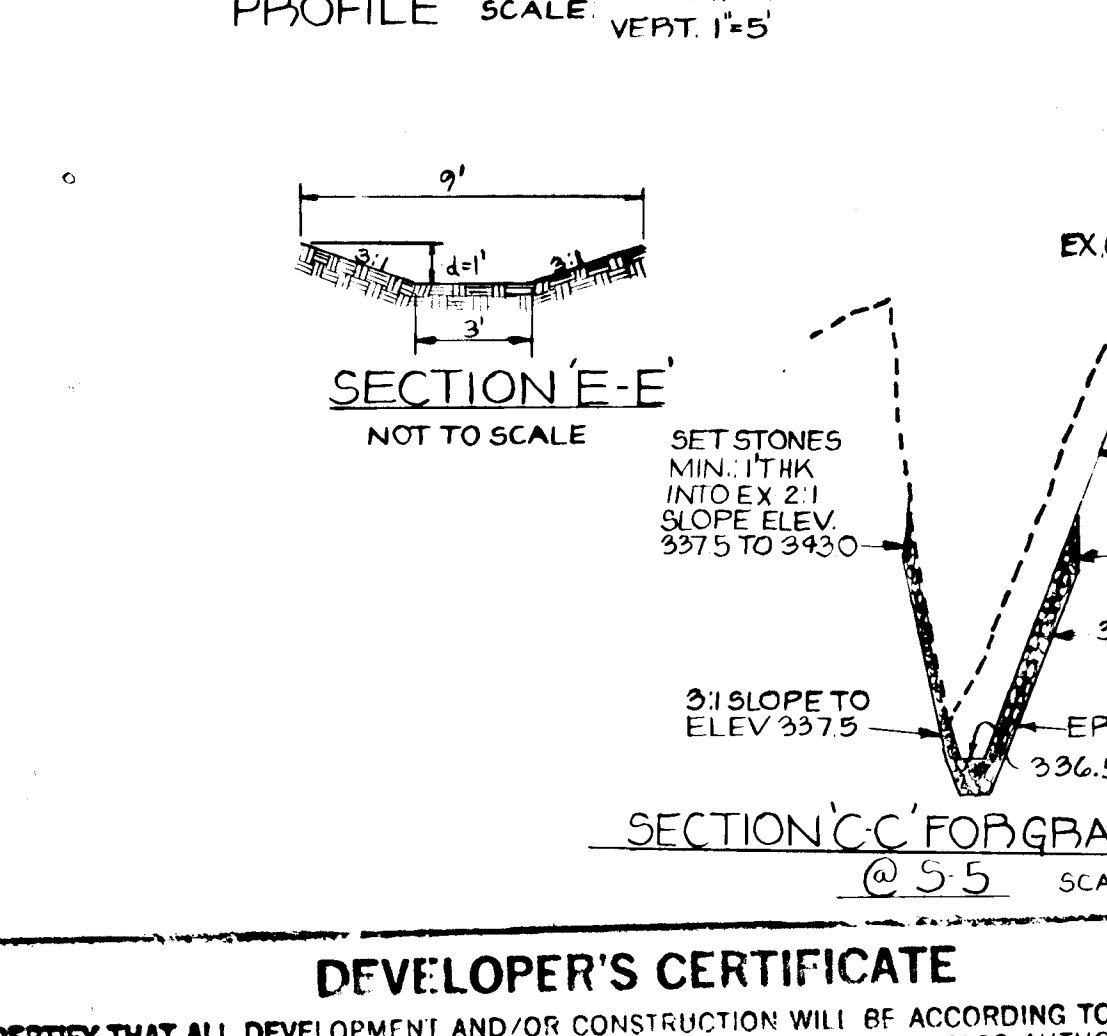
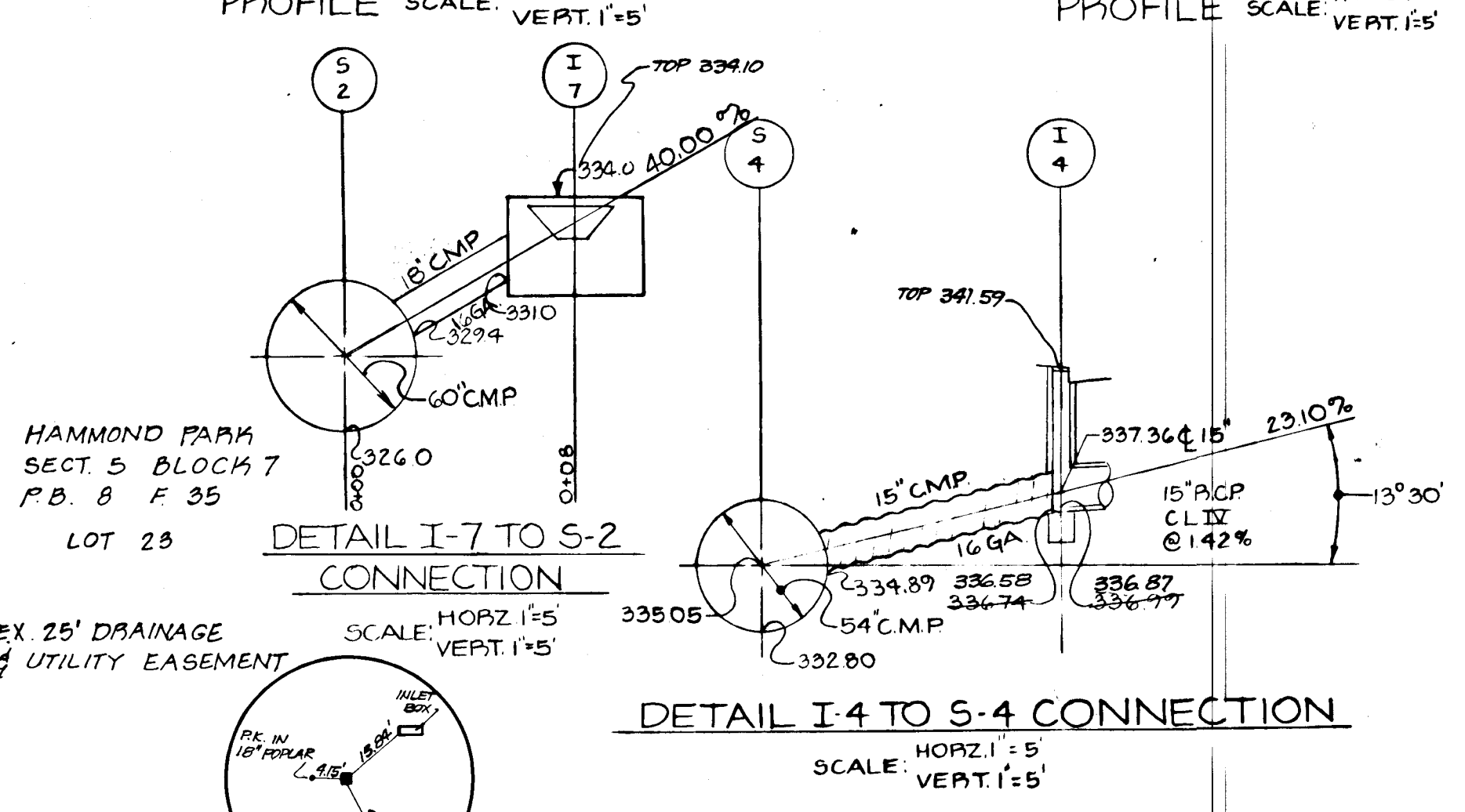
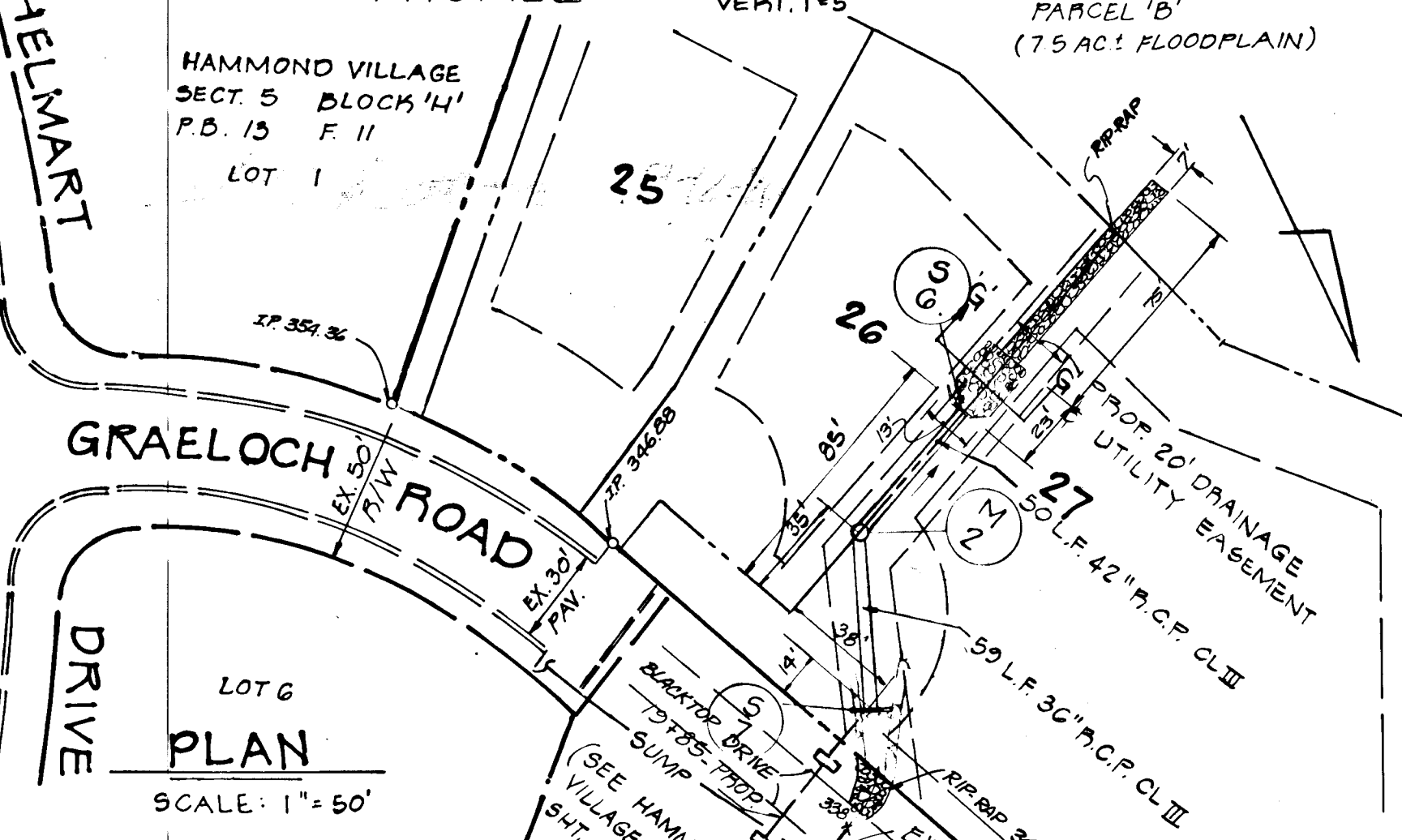
DATE	BY

DATE	BY



APRON SCHEDULE

T	SLOPE	Z	STRUCT. NO.	H	PIPE DIA.	L <sub>2</sub>	W <sub>1</sub>	W <sub>2</sub>	DIA. STONES
15	0%	3	S-1	2.5	60"	35'	23'	23'	4'-6"
1	0	2	S-5	1.5	54"	30'	5'	30'	4'-6"
1	0	2	S-4	4.2	20'	9.15'	4'-6"		
1	0	2	S-7	2	36"	20'	4'	12'	4'-6"



**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARDS COUNTY CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARDS COUNTY CONSERVATION DISTRICT.

*Anna M. Bush* (signature)  
DATE: \_\_\_\_\_

**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARDS COUNTY CONSERVATION DISTRICT.

*Rodolph May Jr.* (signature)  
DATE: \_\_\_\_\_

PROPOSED STRUCTURE SCHEDULE

NO	TYPE	INV. IN	INV. OUT	TOP EL.	REMARKS
I-1	'A-5' INLET **	331.37	331.12	336.39	HO. CO. STD. DRWG. 64-A-PG. 119-A
I-2	'A-5' INLET **	332.00	331.75	337.00	HO. CO. STD. DRWG. 64-A-PG. 119-A
I-3	'K' YARD INLET	340.50	340.25	346.25	HO. CO. STD. DRWG. D-93-PG. 148
I-4	'A-10' INLET **	336.87	336.62	342.57	HO. CO. STD. DRWG. 64-A-PG. 119-A
I-5	'A-10' INLET **	336.87	336.62	342.57	HO. CO. STD. DRWG. 64-A-PG. 119-A
I-6	'K' YARD INLET	344.40	344.15	350.00	HO. CO. STD. DRWG. D-93-PG. 148
M-1	SPECIAL METAL MANHOLE	324.75	324.50	324.50	SEE DETAIL SHEET G OF G
M-2	SHALLOW 'B' S.D. MANHOLE	324.75	324.50	324.50	SEE DETAIL SHEET G OF G
S-1	SMALL 'B' HEADWALL	323.5	323.25	323.25	SEE DETAIL THIS SHEET
S-2	WELDED FIELD CONNECT	329.4			SEE DETAIL THIS SHEET
S-3	SPECIAL METAL MANHOLE	324.0	322.06	324.0	GET IN TAIL SHEET G OF G
S-4	WELDED FIELD CONNECT	324.8			(SEE DETAIL THIS SHT.)
S-5	SMALL 'B' HEADWALL	332.73		342.0	HO. CO. STD. DRWG. D-46-PG. 103 (D-54)
S-6	TYPE 'G' ENDWALL	333.33	333.08	333.08	HO. CO. STD. DRWG. D-61-PG. 116 (D-42)
S-7	END SUPPORT WALL	335.0	332.6	337.65	HO. CO. STD. DRWG. D-46-PG. 101 (D-36)
**	DENOTES WITH DEFLECTORS				
**	DENOTES WITHOUT DEFLECTORS				
I-7	'K' YARD INLET	THREAT 333.10	331.4	334.0	HO. CO. STD. DRWG. D-93-PG. 148

REVIEWED FOR HOWARDS C.D. AND MEETS TECHNICAL REQUIREMENTS.

*James M. Miller* (signature) 9-11-80  
DATE: \_\_\_\_\_

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARDS COUNTY CONSERVATION DISTRICT.

*William J. Rowe* (signature) 9-11-80  
DATE: \_\_\_\_\_

APPROVED DEPARTMENT OF PUBLIC WORKS

*William J. Rowe* (signature) 9-22-80  
DATE: \_\_\_\_\_

APPROVED OFFICE OF PLANNING AND ZONING

*William J. Rowe* (signature) 9-12-80  
DATE: \_\_\_\_\_

OWNERS: MADELINE LEONARDI & JOHN JSWEENEY JR.  
EVERGREEN VALLEY ASSOC.'S  
218 TEACHERS BUILDING  
COLUMBIA, MD. 21044

DEVELOPER: EVERGREEN VALLEY ASSOC.'S  
218 TEACHERS BUILDING  
COLUMBIA, MD. 21044

5-7 TO M-2 CONSTRUCTION PLAN

STORM DRAIN PROFILES, SECTIONS, SCHEDULES & DETAILS

PROJECT: LOTS 1-25 HAMMOND VILLAGE - SECTIONS B

LOCATION: 6TH ELECTION DISTRICT HOWARD COUNTY, MD.

DATE: JANUARY, 1980 DESIGN BY: P.L.M./W.H.N. DRAWN BY: G.E.M. CHECKED BY: P.L.M.

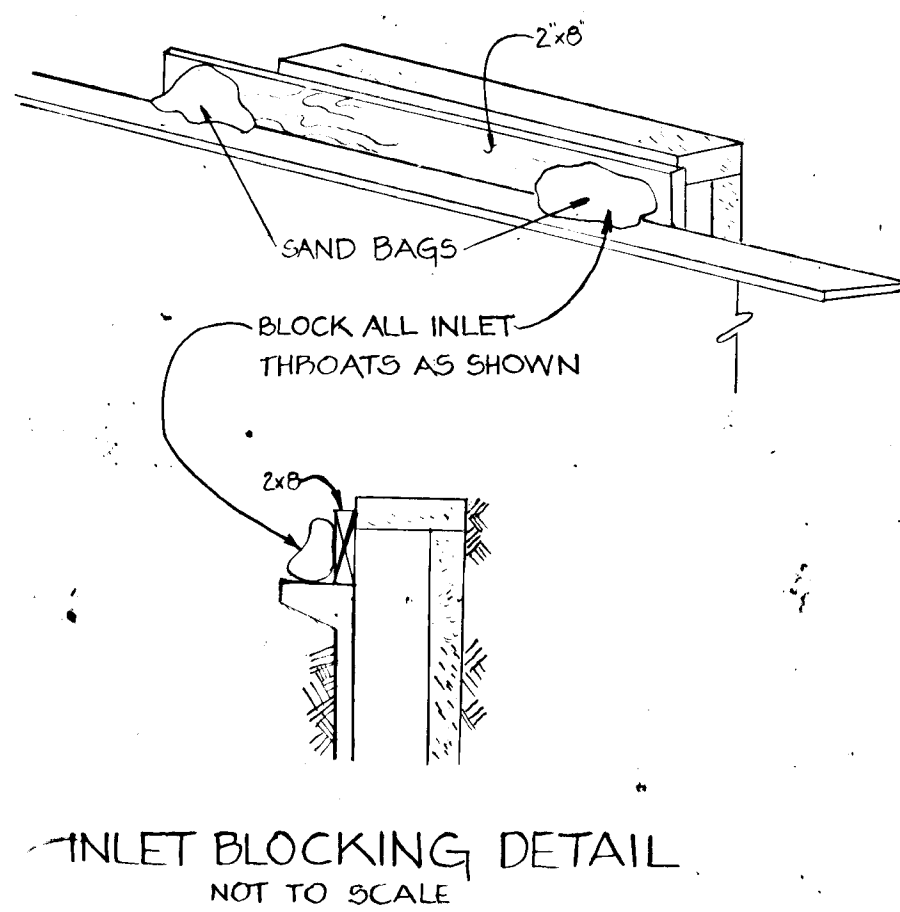
SCALE: AS SHOWN JOB NO.: 71183 DRAWING NO.: 2 OF 6

boender associates  
SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING  
ELLCOTT CITY, MARYLAND 21043  
BALTIMORE 301-468-7777 SALISBURY 301-748-1288

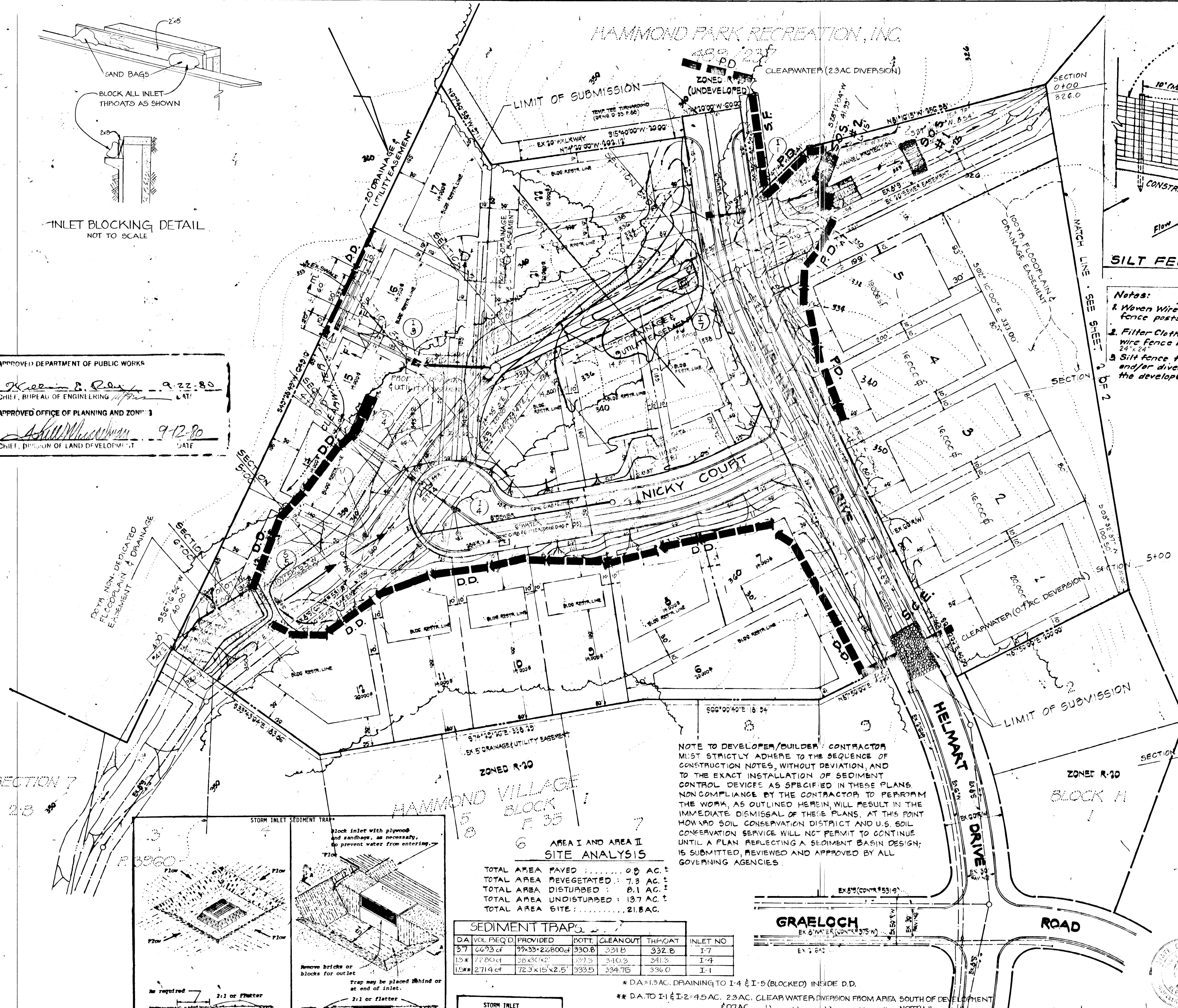
engineers/surveyors/planners

11-7-80 REVISION: REVISED PIPE LENGTHS FROM I-5 TO I-4 TO S-4  
DATE: \* REVISION

HAMMOND PARK RECREATION, INC.



APPROVED: DEPARTMENT OF PUBLIC WORKS  
 Chief, Bureau of Engineering 9-22-80  
 APPROVED OFFICE OF PLANNING AND ZONING  
 Chief, Division of Land Development 9-12-80



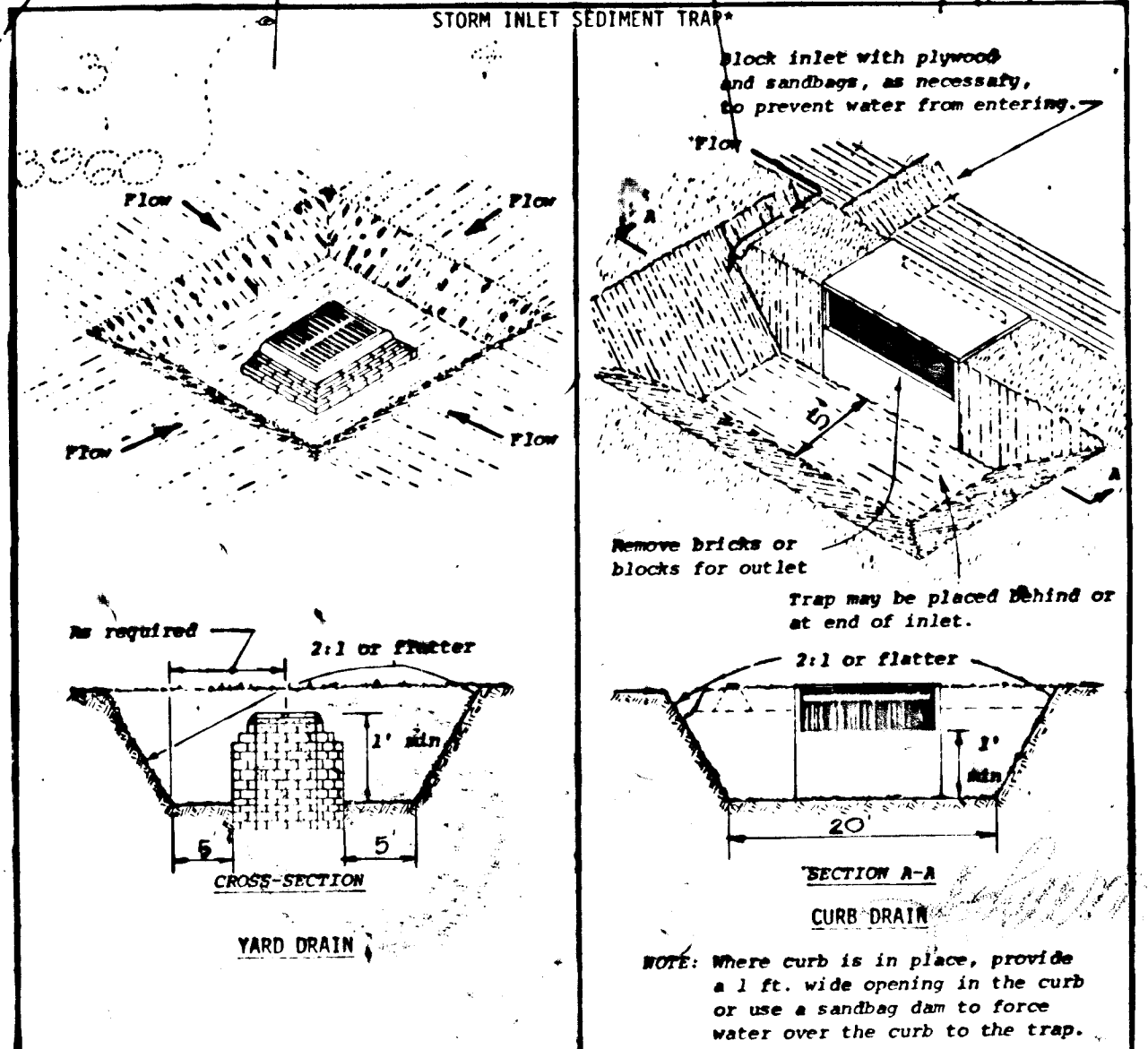
NOTE TO DEVELOPER/CONTRACTOR: CONTRACTOR MUST STRICTLY ADHERE TO THE SEQUENCE OF CONSTRUCTION NOTES, WITHOUT DEVIATION, AND TO THE EXACT INSTALLATION OF SEDIMENT CONTROL DEVICES AS SPECIFIED IN THESE PLANS. NON-COMPLIANCE BY THE CONTRACTOR TO PERFORM THE WORK, AS OUTLINED HEREIN, WILL RESULT IN THE IMMEDIATE DISMISSAL OF THESE PLANS. AT THIS POINT HOWARD SOIL CONSERVATION DISTRICT AND U.S. SOIL CONSERVATION SERVICE WILL NOT PERMIT TO CONTINUE UNTIL A PLAN REFLECTING A SEDIMENT BASIN DESIGN IS SUBMITTED, REVIEWED AND APPROVED BY ALL GOVERNING AGENCIES.

AREA I AND AREA II SITE ANALYSIS

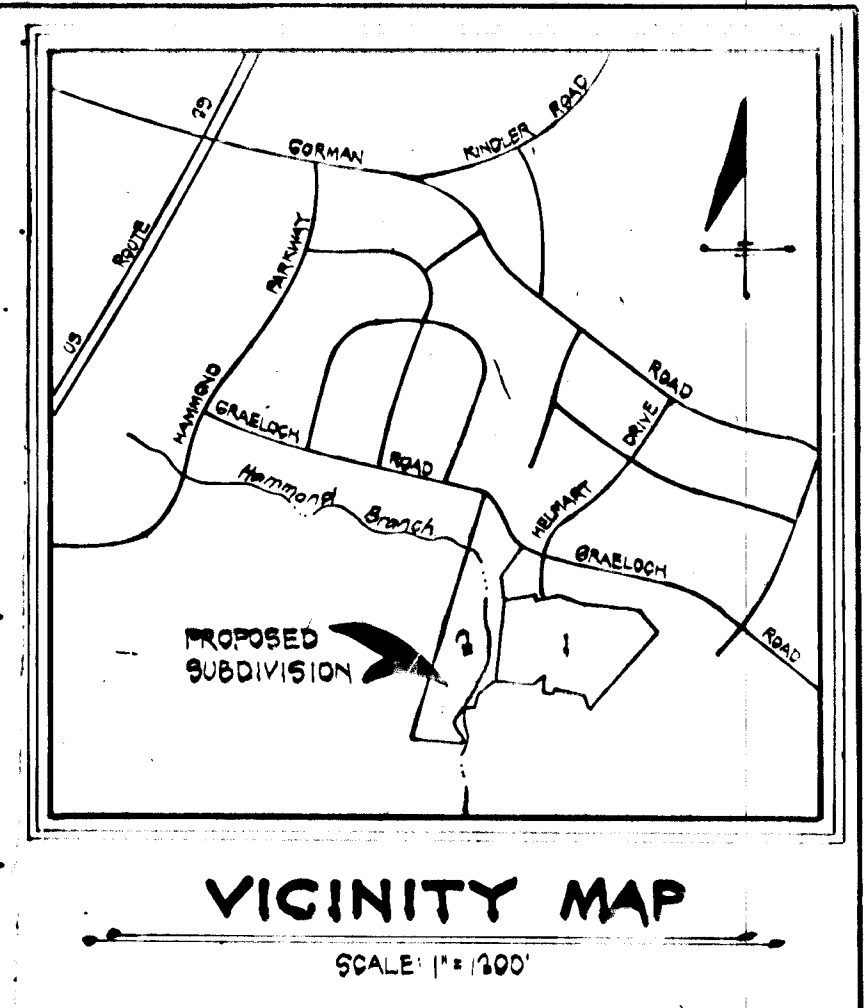
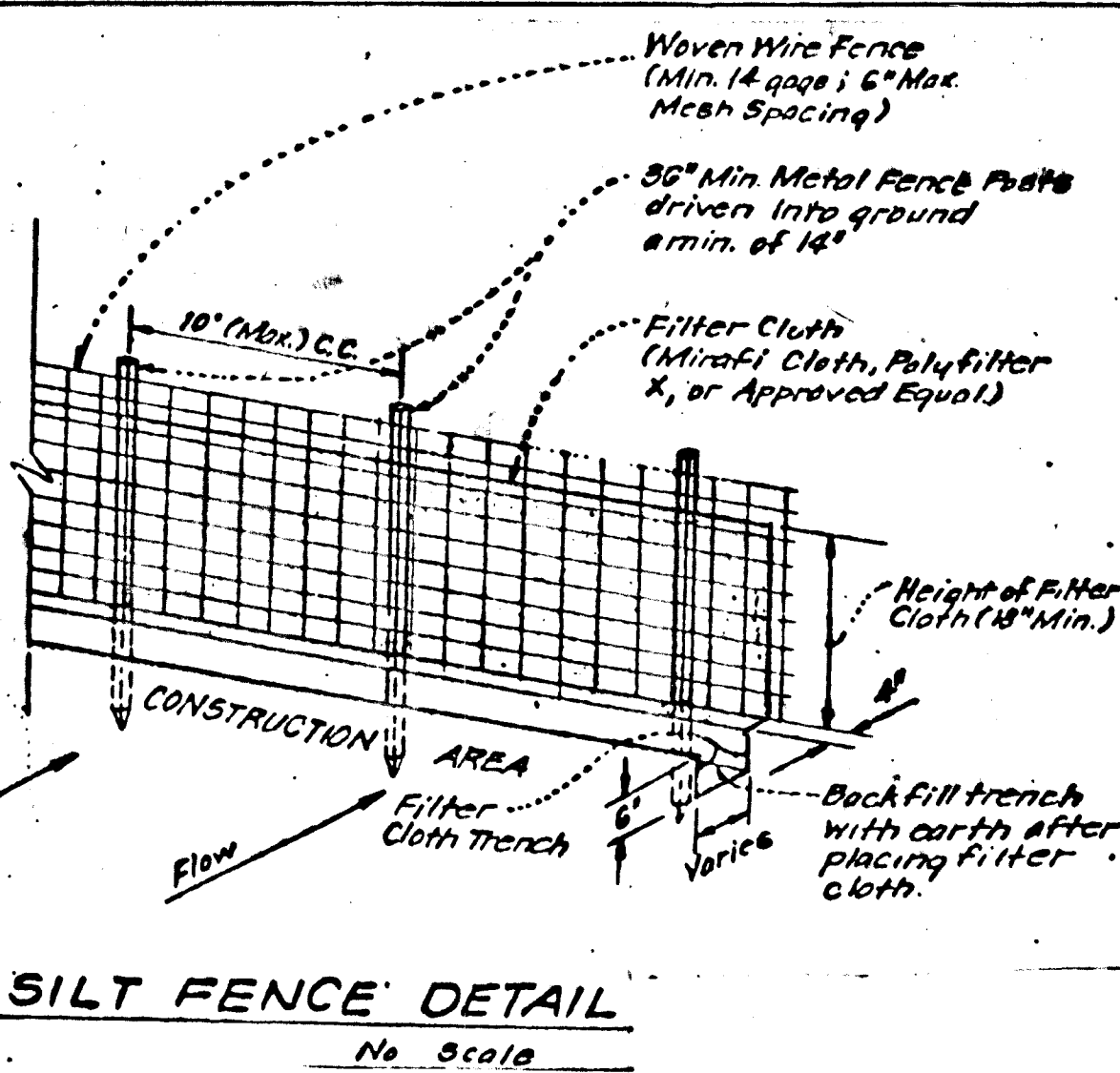
TOTAL AREA PAVED : 0.0 AC.  
 TOTAL AREA REVEGETATED : 7.3 AC.  
 TOTAL AREA DISTURBED : 8.1 AC.  
 TOTAL AREA UNDISTURBED : 137 AC.  
 TOTAL AREA SITE : 21.8 AC.

DA	VOL	REQ'D	PROVIDED	POT. CLEANOUT	THROAT	INLET NO
37	6673 cf	99'33" x 22'800"	330.6	331.8	332.8	I-7
15	7780 cf	36' x 30' x 2'	327.3	340.3	341.3	I-4
10	2714 cf	72'3" x 15' x 2.5'	334.75	334.0	336.0	I-1

\* DA=1.9 AC, DRAINING TO I-4 & I-5 (BLOCKED) INSIDE D.D.  
 \*\* DA TO I-1 & I-2=4.5 AC, 2.9 AC, CLEAR WATER DIVERSION FROM AREA SOUTH OF DEVELOPMENT NORTH



- CONSTRUCTION SPECIFICATIONS
- 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.
  - The structure shall be inspected after each rain and repairs made as needed.
  - Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
  - The sediment trap shall be removed and area stabilized when the remaining drainage area has been properly stabilized.
  - All cut and fill slopes shall be 2:1 or flatter.



- Notes:
- Woven Wire fence to be fastened securely to fence posts by use of wire ties.
  - Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".
  - Silt fence to be placed in lieu of straw bales and/or diversion dikes at the option of the developer.

- GENERAL NOTES
- TAX MAP 46 PARCEL 275
  - DEED REFERENCE
  - EXISTING ZONING R-20
  - TOTAL NO. OF LOTS : 27
  - TOTAL AREA OF LOTS 11,541 AC.
  - TOTAL AREA OF ROAD DEDICATION 1.9 AC.
  - TOTAL AREA OF FLOOD PLAIN : 7.99 AC.
  - TOTAL AREA OF OPEN SPACE : 1.018 AC (PARCELS A AND B) 116.98 AC (1/4 FLOOD PLAIN) 2.00 AC PARCEL C
  - TOTAL AREA OF SITE : 21.8 AC

- SEQUENCE OF CONSTRUCTION NOTES AREA I
- OBTAIN GRADING PERMIT.
  - NOTIFY HOWARD COUNTY BUREAU OF LICENSE, INSPECTIONS AND PERMITS 24 HOURS PRIOR TO GRADING OPERATIONS.
  - INSTALL S.C.E., AND S.O.S # 1 WHICH WILL TRAP SEDIMENT BELOW S1 OUTFALL DURING PIPE INSTALLATION.
  - INSTALL CLOSED CULVERT SYSTEM (34" x 60" CMP), BLOCK UPSTREAM END EACH NIGHT.
  - INSTALL D.D., PD AND SF # 505 # 21. INSTALL STORM DRAINS, BLOCKING UPSTREAM END EACH NIGHT. BLOCK I-2 & I-5. INSTALL SEDIMENT TRAPS @ I-1, I-4, & I-7.
  - OTHER UTILITIES MAY BE INSTALLED AT THIS TIME.
  - POUGH GRADE SITE WHILE MAINTAINING SEDIMENT CONTROL MEASURES
  - STABILIZE ROADS WITH BASE AND SURFACE COURSES.
  - FINE GRADE AND STABILIZE DISTURBED AREAS AND ROADWAY SIDE SLOPES IN ACCORDANCE WITH PERMANENT STABILIZATION MEASURES AS OUTLINED IN THE SPEC'S ON SHT. 5 OF 6
  - REMOVE TEMPORARY SEDIMENT CONTROL MEASURES WITH THE APPROVAL OF THE HOWARD COUNTY BUREAU OF LICENSE, INSPECTIONS AND PERMITS

DEVELOPER'S CERTIFICATE  
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I HAVE AUTHORIZED PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DETERMINED NECESSARY TO PREVENT EROSION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 Joseph M. Rade (owner) 301-750-0810  
 DEVELOPER JOHN F. LIPARINI - PARTNER EVERGREEN VALLEY ASSOC. DATE

REVIEWED FOR HOWARD S.C.D. AND METS TECHNICAL REQUIREMENTS  
 9-11-80  
 THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 9-11-80  
 HOWARD SOIL CONSERVATION DISTRICT

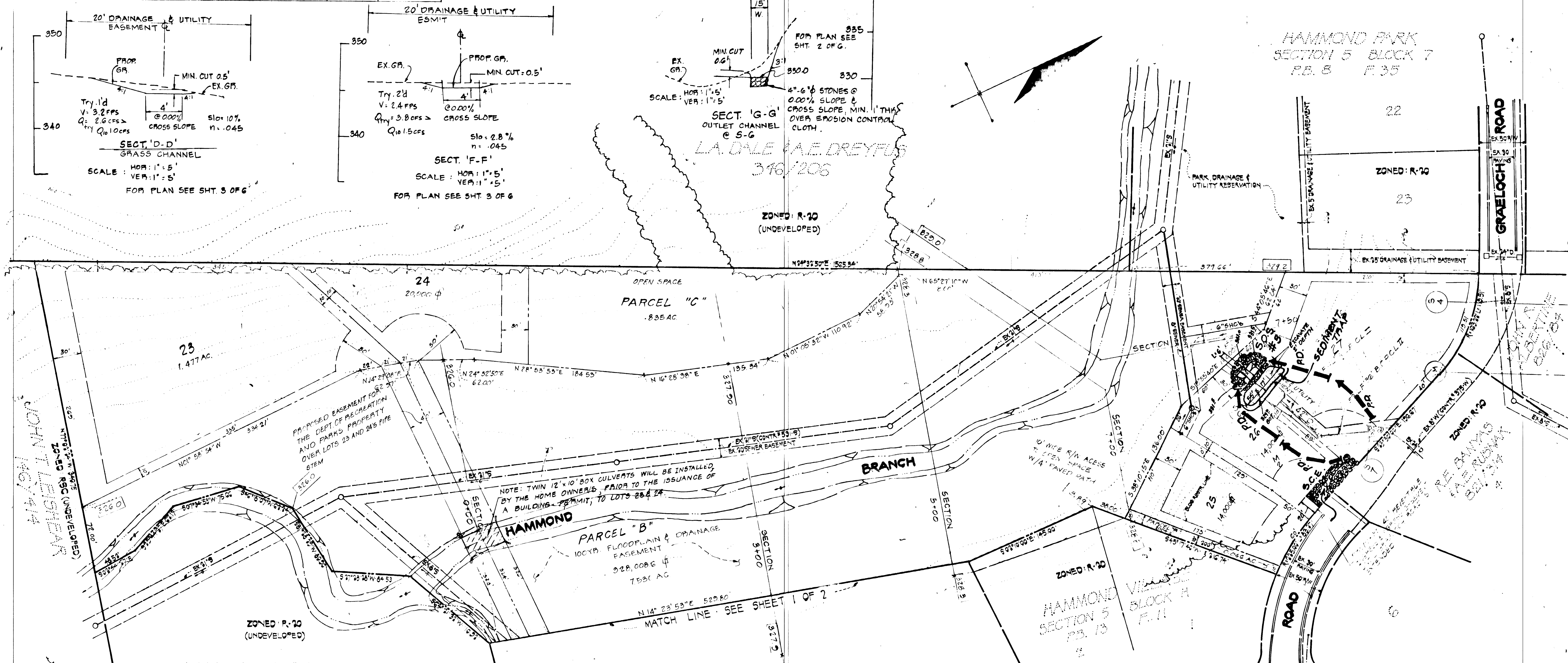
BOENDER ASSOCIATES INC. ENGINEERS SURVEYORS PLANNERS  
 SUITE 104 100 SOUTH COUNTY PROFESSIONAL BLDG  
 ELLICOTT CITY, MARYLAND 21043  
 BALTIMORE 301-646-1777, SALES/INQUIRY 301-743-1286

OWNERS :  
 MADEIRA, ROD & JOHN J. SWEENEY, JR.  
 218 TEACHERS BUILDING  
 COLUMBIA, MD 21044  
 301-730-0810  
 DEVELOPER :  
 EVERGREEN VALLEY ASSOC.'S  
 218 TEACHERS BUILDING  
 COLUMBIA, MD 21044  
 301-730-0810

AREA I  
 SEDIMENT CONTROL PLAN & DETAILS  
 HAMMOND VILLAGE  
 SECTION B  
 TAX MAP 46 PARCEL 275  
 6th ELECTION DISTRICT HOWARD COUNTY MARYLAND CHH 19.1M  
 SCALE 1"=50' SHEET 3 of 6  
 DES: W.N.  
 DRW: W.N.  
 JAN 1980

SEDIMENT TRAP AT S05 #3

DESIGN D.A.	VOLUME REQ'D	DIMENSIONS	VOLUME PROV'D	BOT. ELEV.	CLEANOUT ELEV.
1.0 AC.	1800 C.F.	55'x17'x2' DEPTH	1870 C.F.	329.0	330.0



- SEQUENCE OF CONSTRUCTION NOTES AREA II
1. OBTAIN GRADING PERMIT.
  2. NOTIFY HOWARD COUNTY BUREAU OF LICENSE, INSPECTIONS AND PERMITS 24 HOURS PRIOR TO GRADING OPERATIONS.
  3. INSTALL SCE, AND S05 #3 WHICH WILL TRAP SEDIMENT BELOW S4 OUTFALL DURING PIPE INSTALLATION.
  4. CONSTRUCT SEDIMENT TRAP AND EXCAVATE VOLUME FOR 1 ACRE SIZING.
  5. INSTALL PD TO TRAP SILT.
  6. INSTALL DRAINS, MANHOLES AND ENDWALLS.
  7. FINE GRADE AND STABILIZE DISTURBED AREAS AND SIDE SLOPES IN ACCORDANCE WITH PERMANENT STABILIZATION MEASURES AS OUTLINED IN THE SPECS ON SHT. \_\_\_ OF \_\_\_.
  8. REMOVE TEMP SEDIMENT CONTROL MEASURES WITH THE APPROVAL OF THE HOWARD COUNTY BUREAU OF LICENSE, INSPECTIONS, AND PERMITS.
  9. EACH LOT WILL HAVE SEDIMENT CONTROL MEASURES IMPLEMENT ON AN INDIVIDUAL BASIS.

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

*[Signature]* 9-11-80  
DATE

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

*[Signature]* 9-11-80  
DATE

**DEVELOPER'S CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLANNING, EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS ARE DETAILED IN THE SPECIFICATIONS. NO VARIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* DATE

**ENGINEER'S CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR PROVISION OF SEDIMENT CONTROL MEASURES IS A PRACTICAL AND WORKABLE PLAN BASED ON FIELD SURVEY AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 9-22-80  
DATE

APPROVED DEPARTMENT OF PUBLIC WORKS

*[Signature]* 9-22-80  
DATE

APPROVED OFFICE OF PLANNING AND ZONING

*[Signature]* 9-12-80  
DATE

BOENDER ASSOCIATES INC.

SUITE 101-107 TOWN & COUNTRY PROFESSIONAL BLDG.  
BELLICOTT CITY, MARYLAND 21048  
DALLIUMORE 301-465-7777 SALISBURY 301-749-1286

ENGINEER'S SURVEYOR & PLANNERS

OWNERS  
MADLINE LEONARD & JOHN J SWEENEY, JR.  
c/o  
218 TEACHERS BUILDING  
COLUMBIA MD. 21044  
301-730-2810

DEVELOPER  
EVERGREEN VALLEY ASSOC'S  
218 TEACHERS BUILDING  
COLUMBIA MD. 21044  
301-730-0810

AREA II - SEDIMENT CONTROL PLAN & SECTIONS

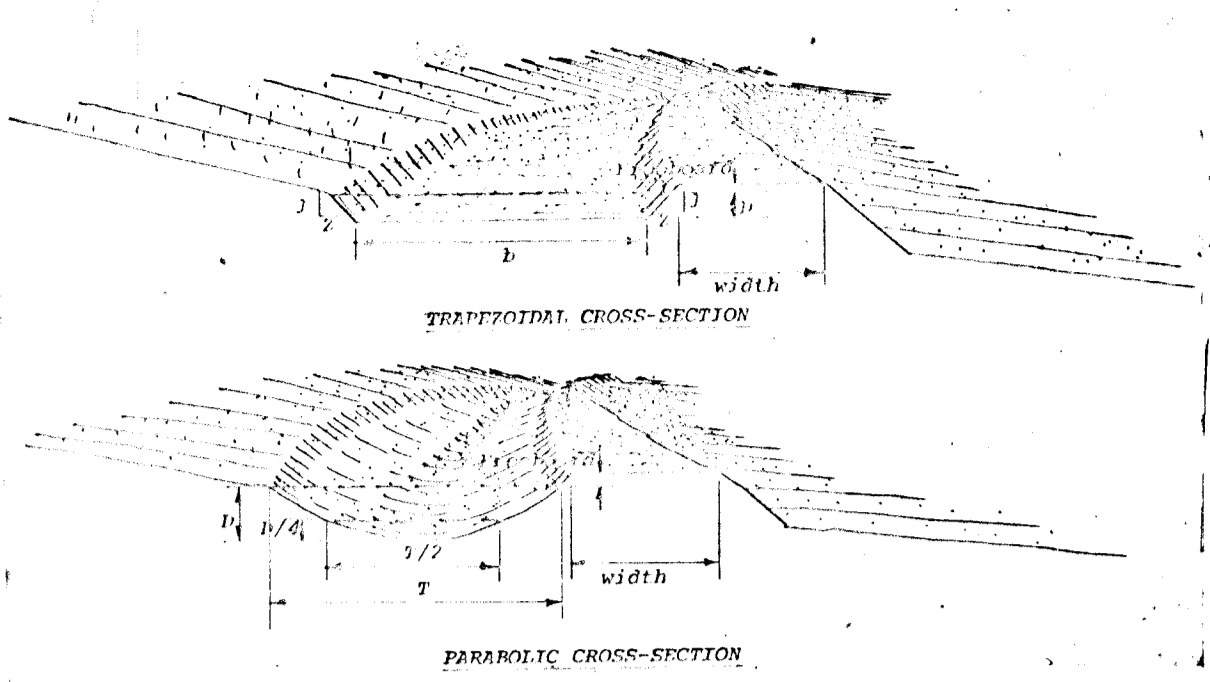
**HAMMOND VILLAGE**

SECTION 8

TAX MAP 46 PARCEL 275  
6<sup>TH</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=50' SHEET 4 of 6 NOVEMBER, 1979

STATE OF MARYLAND  
REGISTERED PROFESSIONAL ENGINEER  
*[Signature]*  
11-9-79

DIVERSION



- Construction Specifications
1. All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the diversion.

Soil Preparation

For steep slopes, small areas, and mass plantings with close spacings, apply a temporary granular fertilizer such as 5-10-10 and organic supplement such as composted cow manure, peat or well-rotted sawdust, and work into the soil...

Another alternative is to add to the planting hole a sandy loam soil mixed with peat, composted cow manure and cocoa shells, or well-rotted sawdust at the rate of 1:1 or 2:1.

The entire planted slope shall be covered with a protective mulch such as excelsior, wood chips, straw or wood pulp fiber to conserve moisture and control erosion.

Where erosion hazard is very high, heavy jute matting stapled to the slope will provide excellent erosion control, as will landscape mats of excelsior or fiber glass.

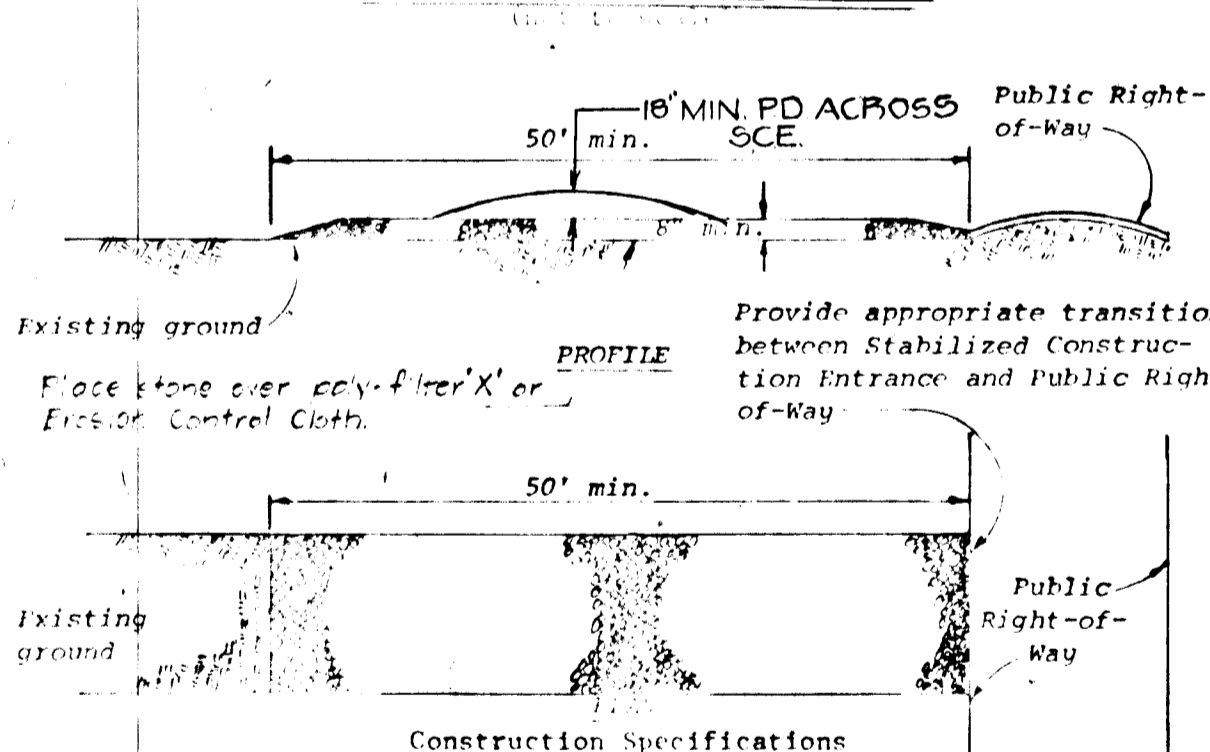
Where individual plants are planted, a temporary cover crop of annuals will be used for erosion control until planted materials offer protective cover.

Maintenance

After watering, remulching and fertilizing may be required of a new planting during the period of establishment.

If a controlled release fertilizer was used at time of planting, additional fertilizing may not be necessary for several years.

STABILIZED CONSTRUCTION ENTRANCE



- Construction Specifications
1. Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation M3, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.

SPECIFICATIONS FOR SEEDING

- I. Site Preparation
A. Install needed erosion control practices such as interceptor dikes, berms and spreaders, contour ripping, erosion stops, channel liners and sediment basins.

- II. Seeded Preparation
Flat areas and slopes up to 3 to 1 grade shall be loose and friable to a depth of at least 3 inches.

- III. Soil Amendments
Line and fertilize 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.

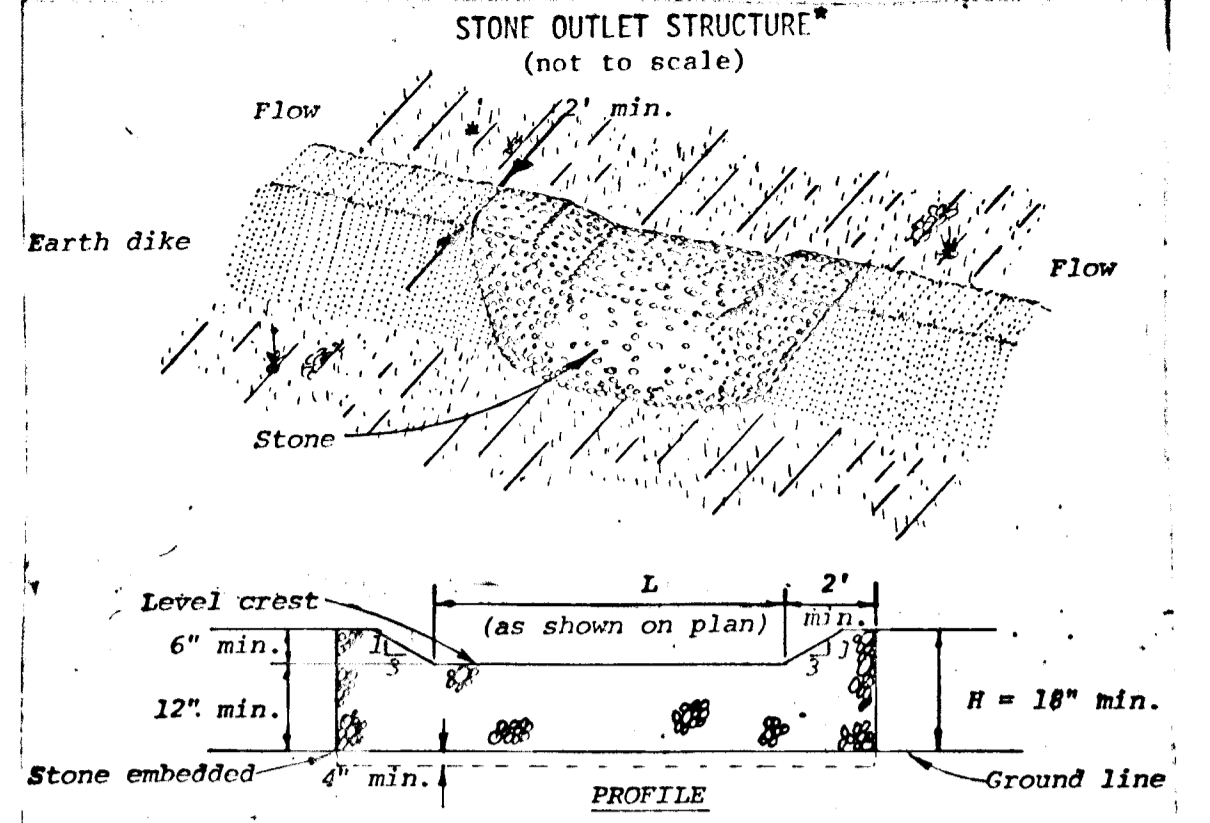
- IV. Seeding
A. Select a mixture from table 51-1.
B. Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder or hydroseeder (slurry includes seed and fertilizer) on a firm, moist seedbed.

- V. Mulching
A. Materials and Amounts
1. Straw - Straw shall be unrotted small grain straw applied at the rate of 1-1/2 to 2 tons per acre, or 70 to 90 pounds per 1,000 sq. ft.

- B. Mulch anchoring shall be accomplished immediately after mulch placement to minimize loss by wind or water.

- 1. Peg and Twine - Drive 8 to 10-inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions.

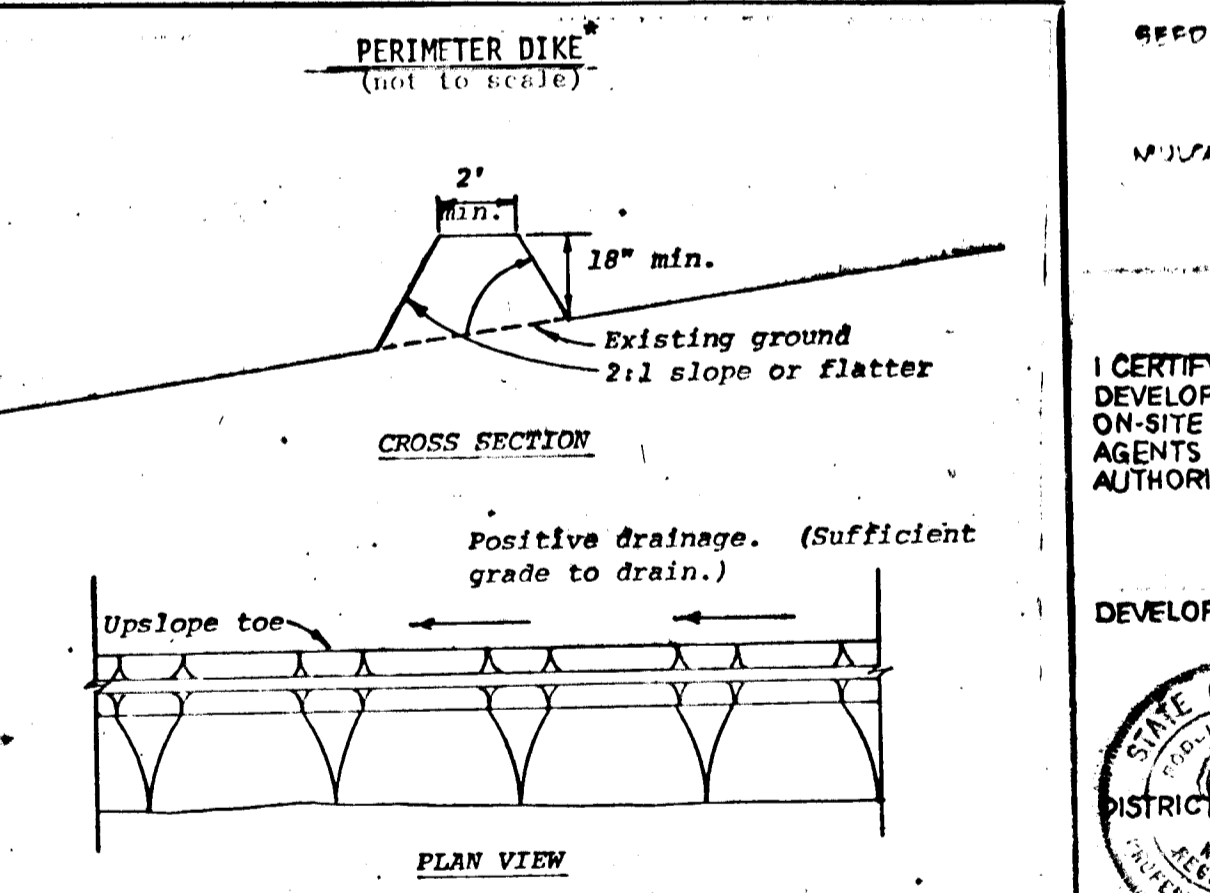
- 2. Mulch Nettings - Staple lightweight biodegradable paper, plastic or cotton nettings over the mulch according to manufacturer's recommendations.



- Construction Specifications
1. The stone shall be crushed stone. Gravel may be used if crushed stone is not available.

GENERAL SEDIMENT CONTROL NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL...
2. APPLY THE BUREAU OF PUBLIC WORKS...
3. APPLY THE BUREAU OF PUBLIC WORKS...
4. CONSTRUCTION SHALL ADHERE TO THE CONSTRUCTION SEQUENCE...



- Construction Specifications
1. All dikes shall be machine compacted.
2. All perimeter dikes shall have positive drainage to an outlet.

FILLS AND GRADING

- 1. All graded or disturbed areas including slopes shall be protected during clearing and construction in accordance with the approved sediment control plan until they are permanently stabilized.
2. All sediment control practices and measures shall be constructed, applied and maintained in accordance with the approved sediment control plan and the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas"

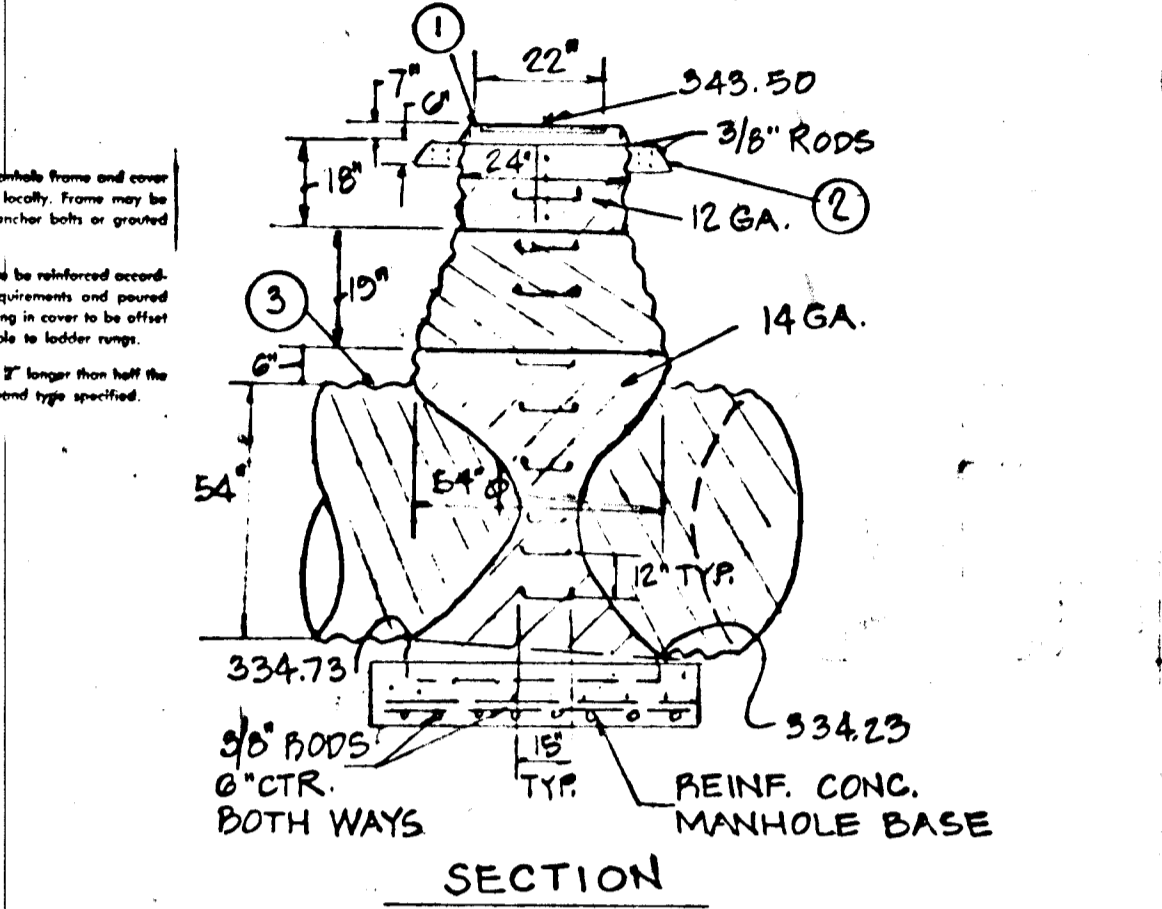
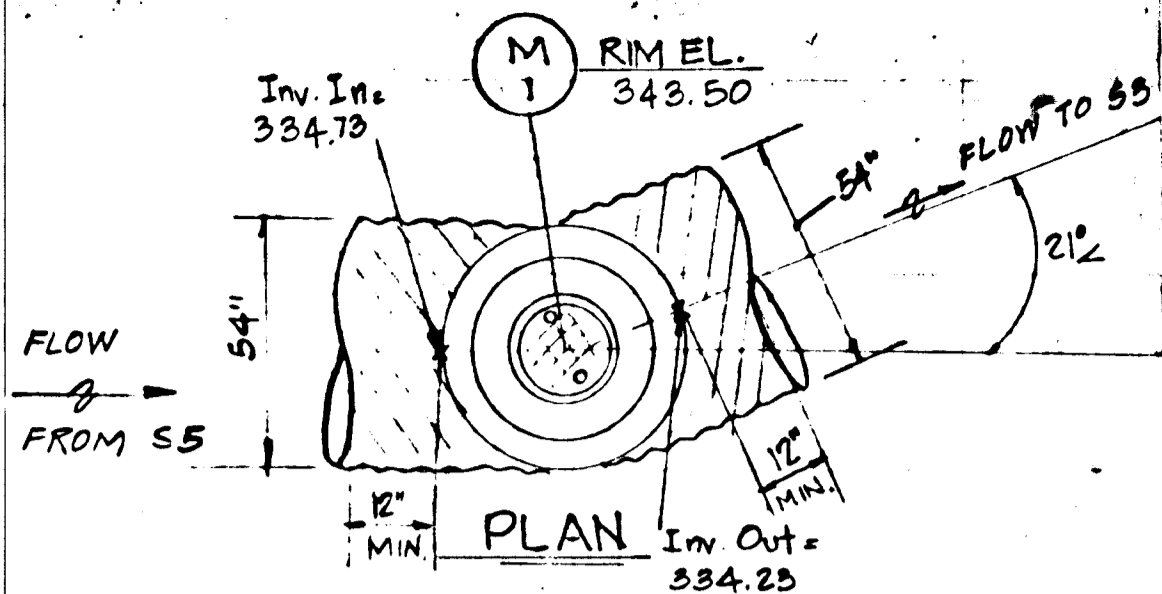
DEVELOPER'S CERTIFICATE
I CERTIFY THAT THIS PLAN... BE SUBJECT TO THIS PLAN OF DEVELOPMENT...
Signature: Stephen M. Bush
Date: 1/16/80
Professional Engineer: Rodolph L. May Jr.

APPROVED DEPARTMENT OF PUBLIC WORKS
Signature: William V. Rowe
Date: 9-11-80

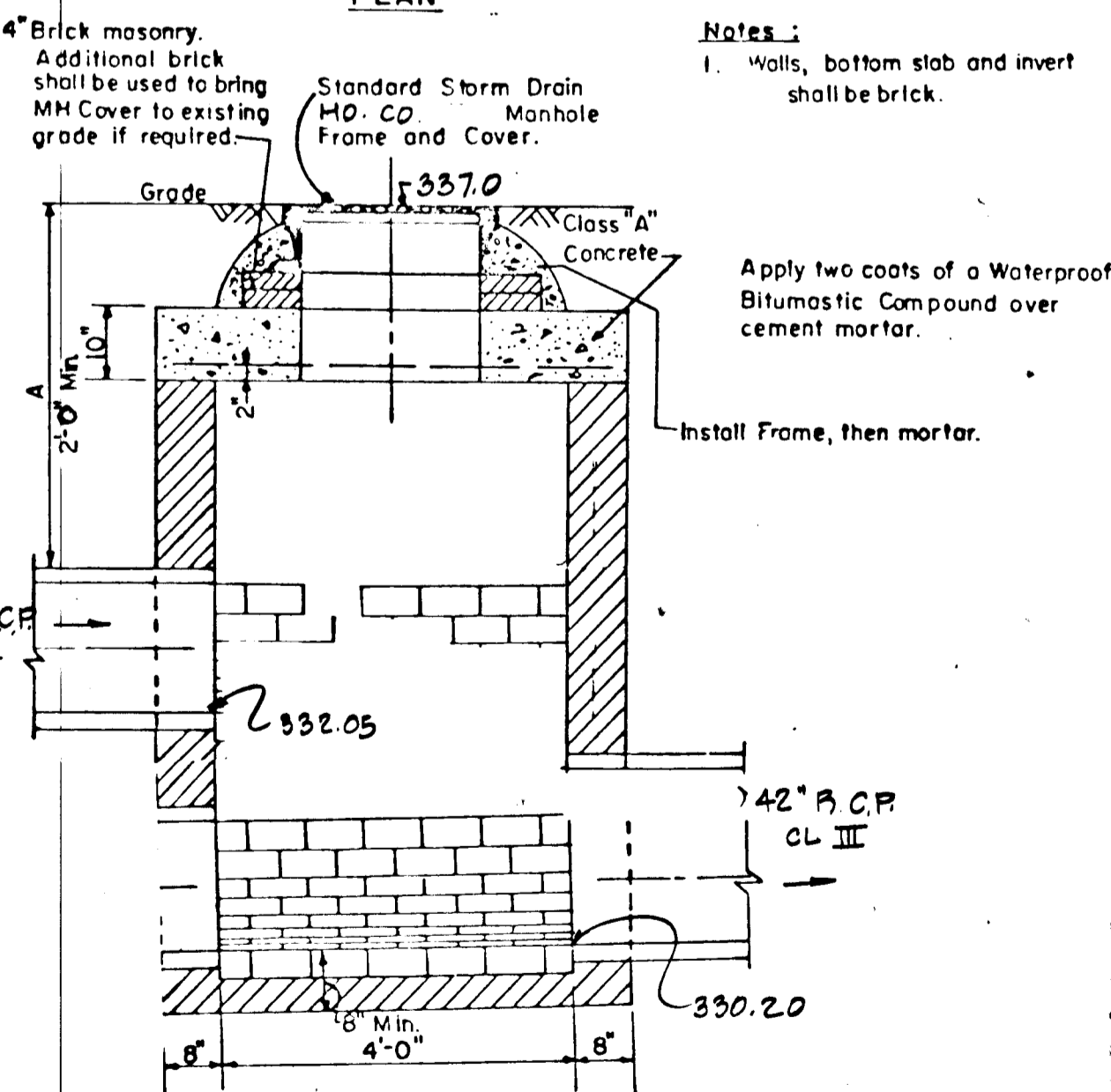
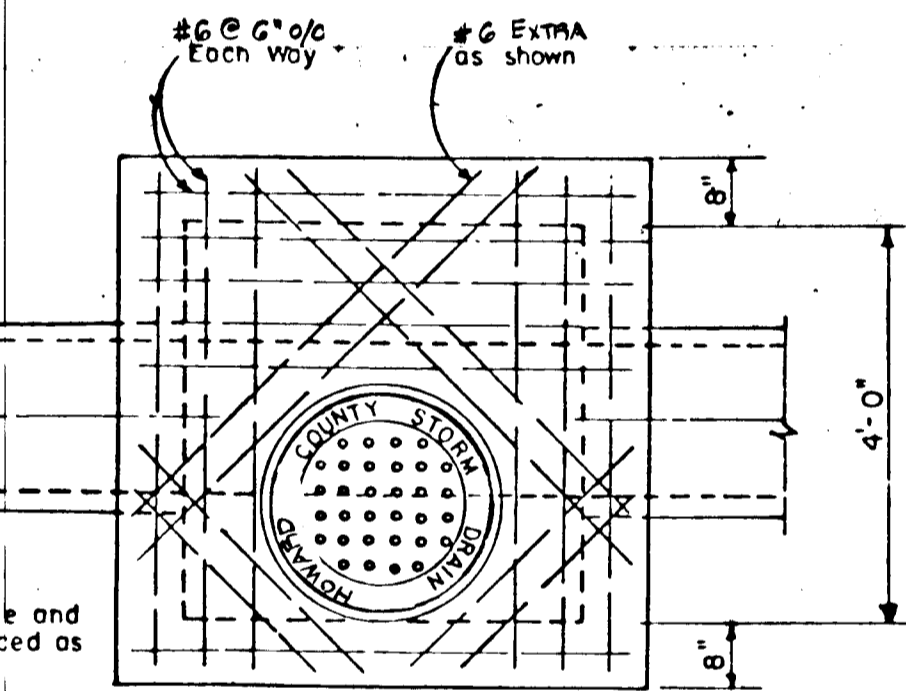
S.O.S. SCHEDULE table with columns: STRUCTURE NO., D.A., TOP DIKE ELEV., CREST ELEV., BOTTOM ELEV., LEN. CREST

SEDIMENT CONTROL DETAIL SHEET
PROJECT: LOTS 1-28 HAMMOND VILLAGE - SECTION 8
LOCATION: 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: JANUARY 1980
SCALE: NONE

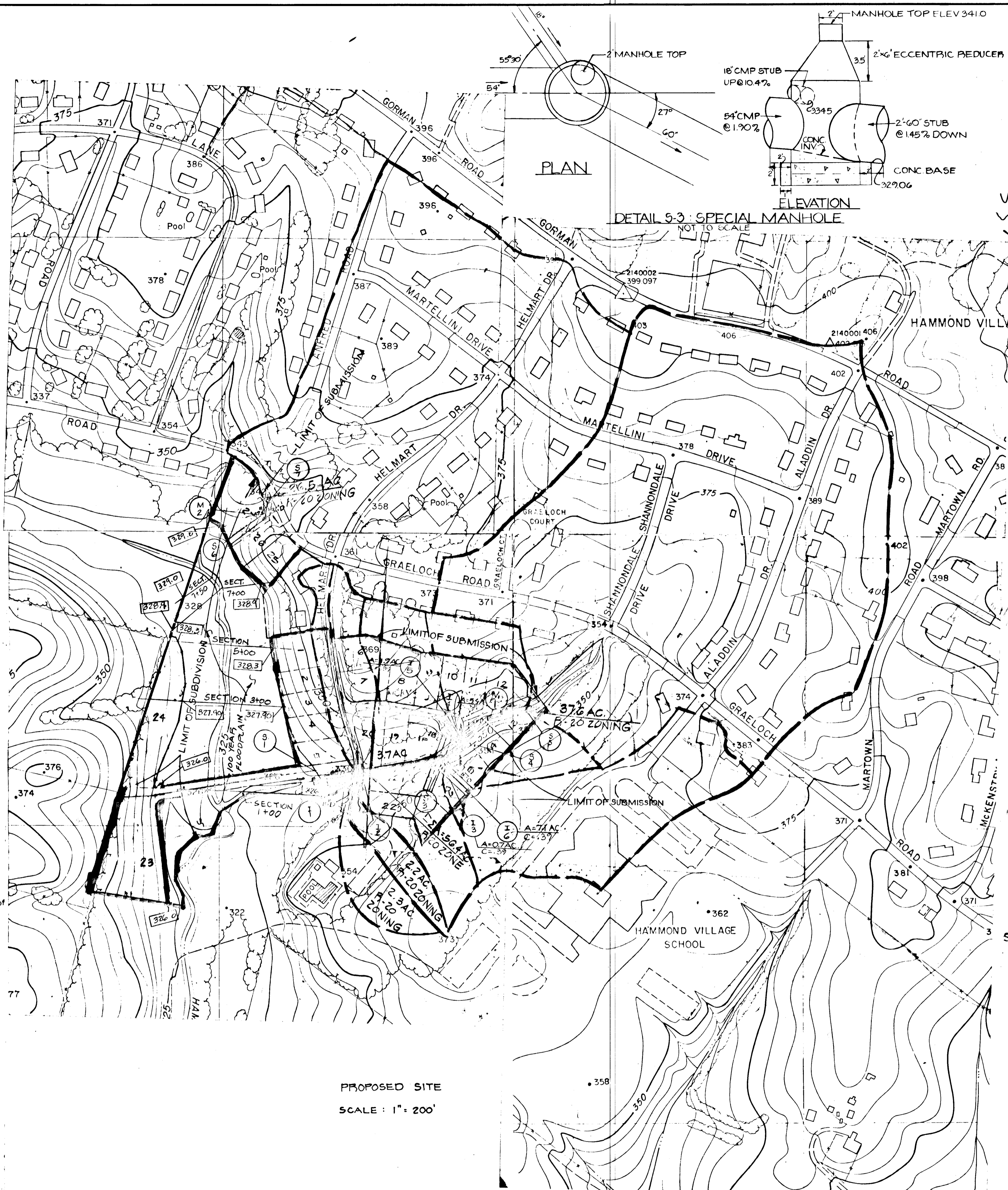
boender associates
engineers/surveyors/planners
SUITE 102 107 TOWN & COUNTRY PROFESSIONAL BUILDING
ELLCOTT CITY, MARYLAND 21043



DETAIL M-1: METAL MH.  
NOT TO SCALE



DETAIL M-2: TYPE 'B' MODIFIED SHALLOW MANHOLE  
NOT TO SCALE

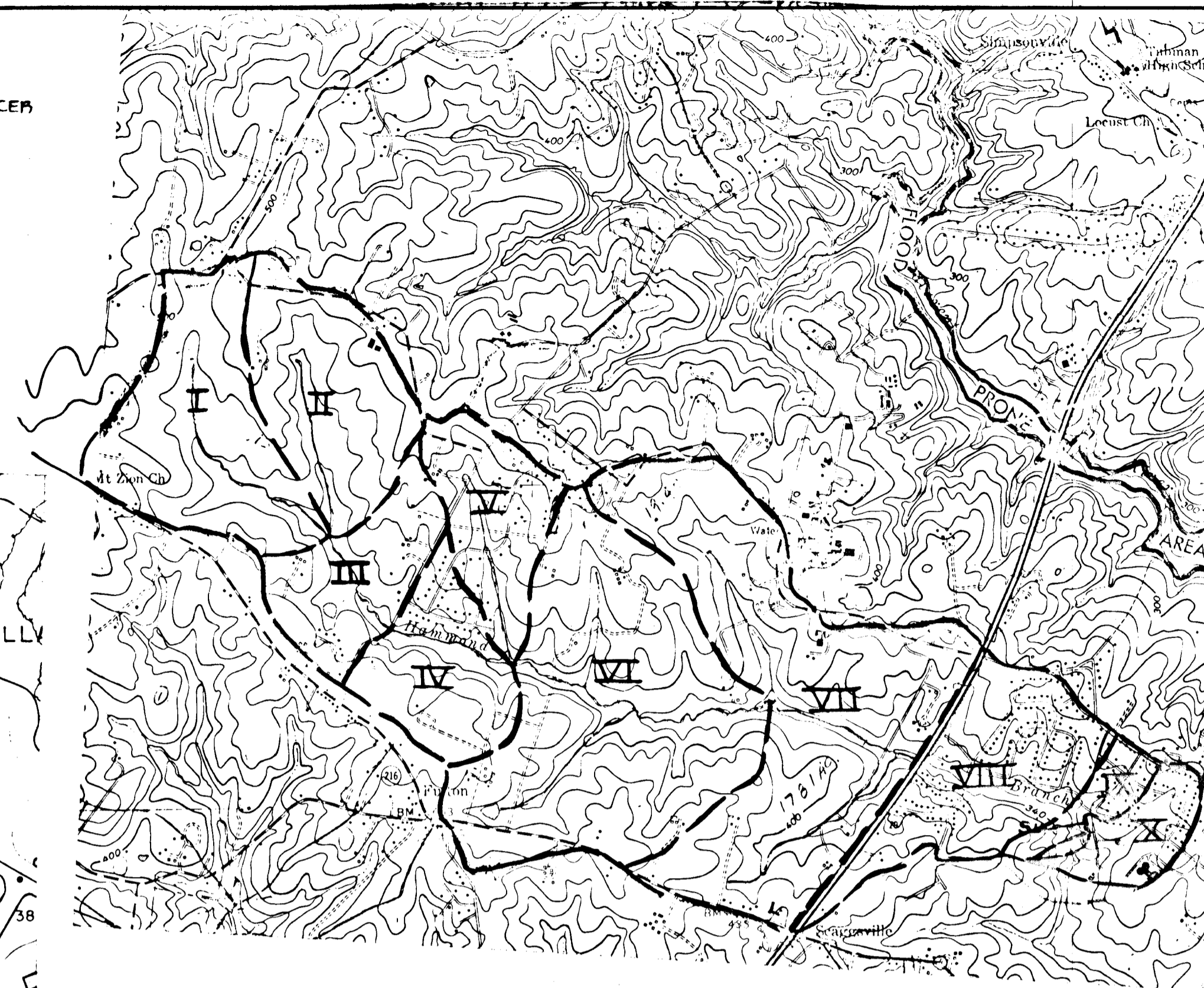


PROPOSED SITE  
SCALE: 1" = 200'

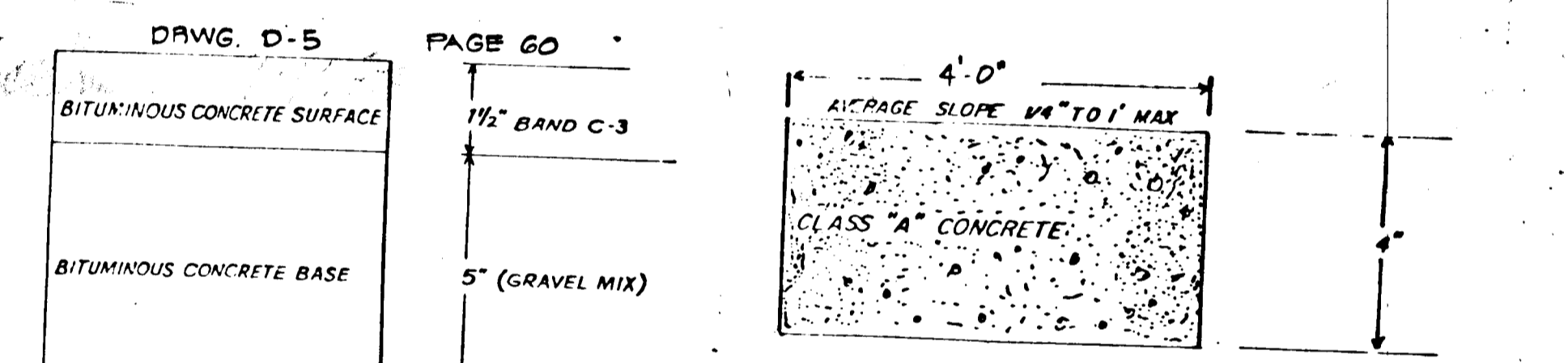
PLAN

DETAIL 5-3: SPECIAL MANHOLE  
NOT TO SCALE

ELEVATION



U.S.G.S. QUAD SHEET PLAN  
"SCAGGSVILLE"  
SCALE: 1" = 2000'



THIS SIDEWALK TO BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE C-35 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS

STANDARD CONCRETE SIDEWALK  
DRWG. D-14 PG. 60

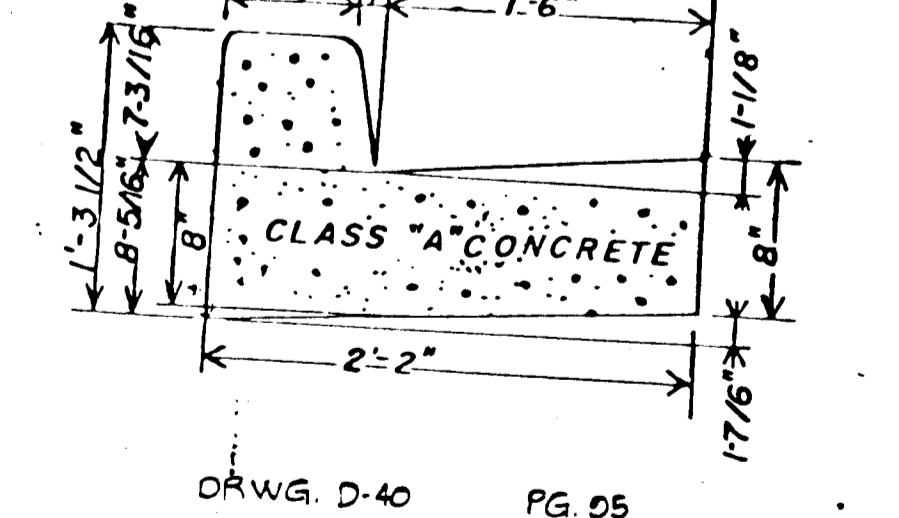
CLEARING and GRADING: ARTICLE C-1  
 SUBGRADE: ARTICLE C-2  
 BASE COURSE: ARTICLE C-33  
 SURFACE COURSE: ARTICLE C-31

ALL CONSTRUCTION TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS, 1961.

2. THE BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-30-5 AS PROVIDED IN THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.

3. A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-4 OF THE HOWARD CODE ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATION.

STANDARD 7" COMBINATION CURB & GUTTER



DRWG. D-40 PG. 55

APPROVED DEPARTMENT OF PUBLIC WORKS  
*William S. Reilly* 9-22-80  
 CHIEF, BUREAU OF ENGINEERING

APPROVED OFFICE OF PLANNING AND ZONING  
*William M. ...* 9-12-80  
 CHIEF, DIVISION OF PLANNING AND ZONING

OWNERS  
 MADELINE LEONARD & JOHN J. SWEENEY, JR.  
 218 TEACHERS BUILDING  
 COLUMBIA, MD. 21044  
 301-730-0810

DEVELOPER  
 EVERGREEN VALLEY ASSOC'S  
 218 TEACHERS BUILDING  
 COL. UMBIA, MD. 21044  
 301-730-0810

TITLE  
**DRAINAGE AREA MAPS & DETAILS**  
**HAMMOND VILLAGE SECTION 8**

PROJECT  
 6 TH ELECTION DISTRICT HOWARD COUNTY, MD.

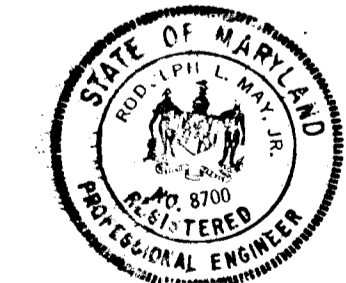
LOCATION  
 6 TH ELECTION DISTRICT HOWARD COUNTY, MD.

DATE: NOV. 1979 DESIGN BY: R.L.M. DRAWN BY: - CHECKED BY: R.L.M.

SCALE: AS SHOWN JOB NO.: 79183 DRAWING NO.: 6 OF 6

boender associates  
 SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING  
 ELLICOTT CITY, MARYLAND 21043  
 BALTIMORE 301-468-7777 SALISBURY 301-748-1286

engineers  
 surveyors  
 planners



*Rodolph May Jr.*  
 12-4-79