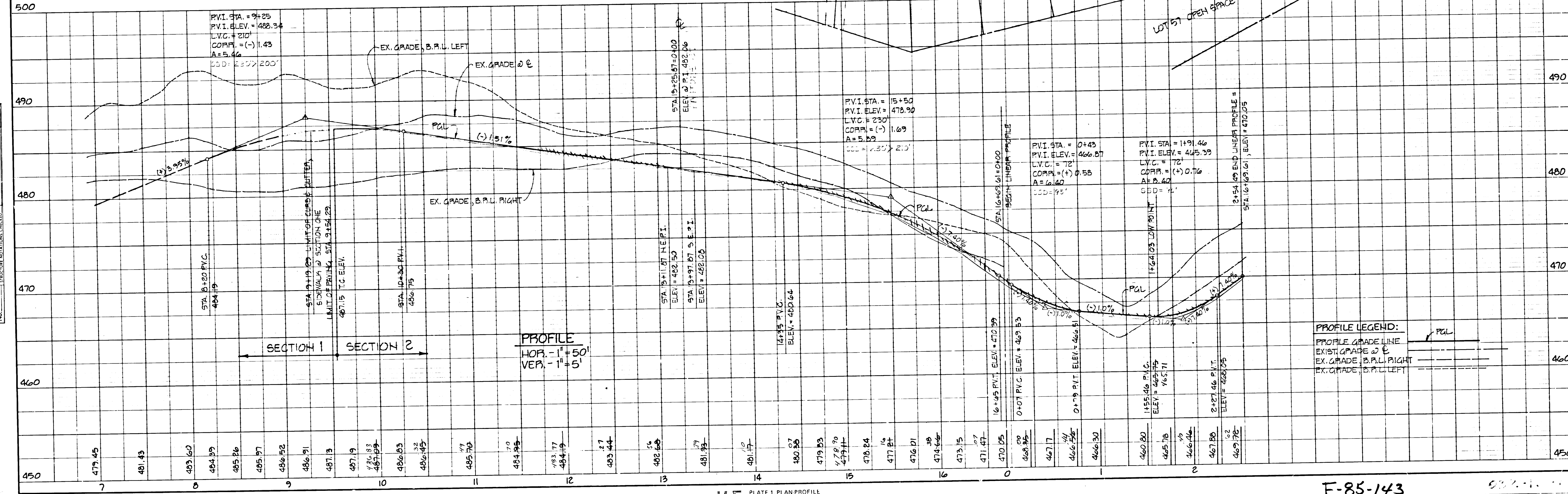


APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Shull Woodman 9-20-85
 Chief, Division of Land Development and Zoning Administration Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William P. ... 3-19-85
 Chief, Bureau of Engineering Date

KIDDE CONSULTANTS, INC. ENGINEERS, LAND PLANNERS & SURVEYORS 8101 SANDY SPRING ROAD LAUREL MD 20707 (301) 725-0665 / (707) 8086		
DESIGNED MVD	ROAD PLAN AND PROFILE	SCALE AS SHOWN
DRAWN BLJ	STONE HILL DRIVE	DWG NO. 10F7
CHECKED RLM	SECTION 2 AREA 1	JOB NO. 00032
DATE April, 1985	2ND ELECTION DISTRICT	FILE NO.
FOR: OWNER & DEVELOPER Stone Hill Farm, Inc. 514 N. Crain Highway Glen Burnie, Maryland 21061		



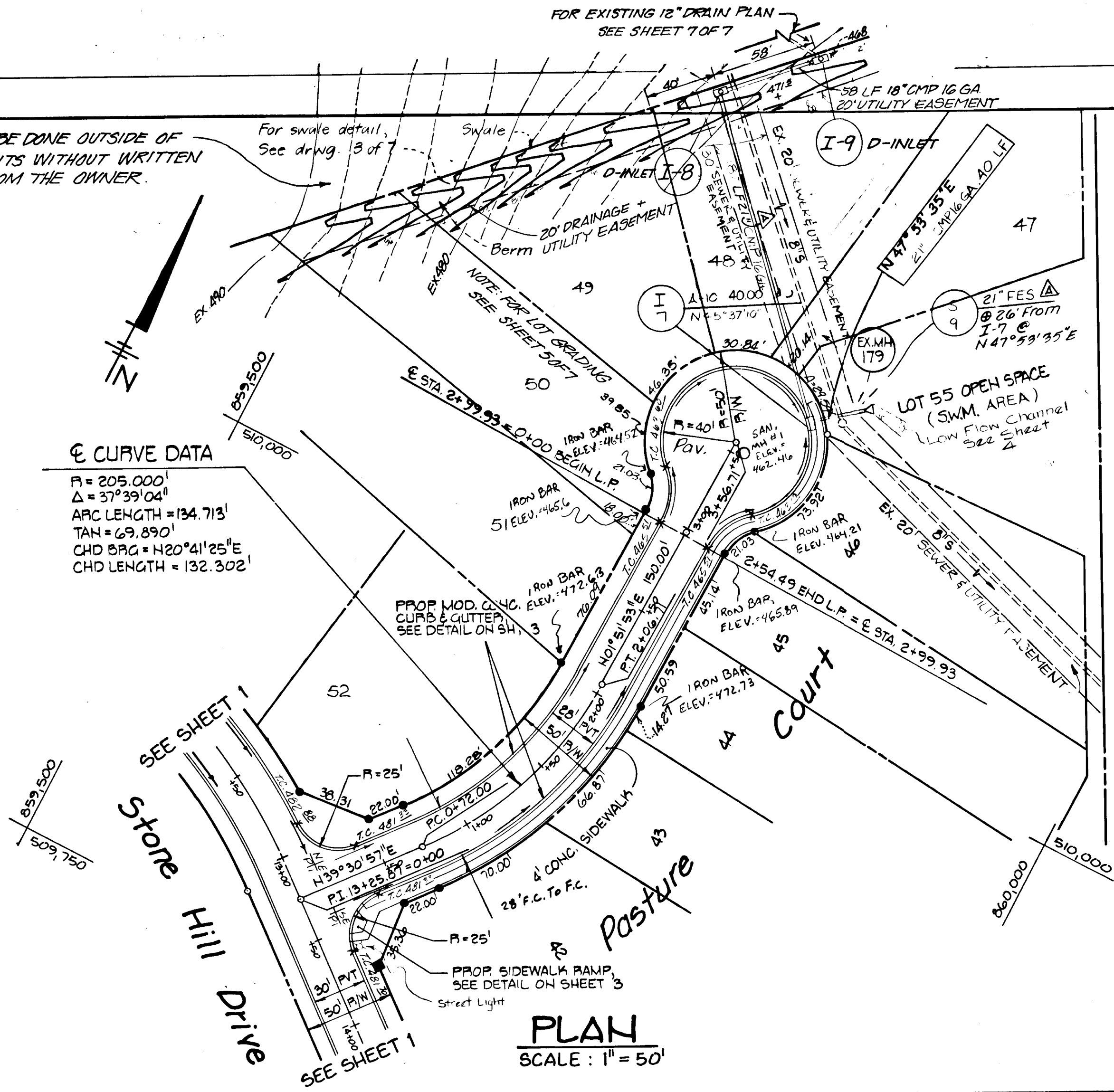
PLAN
 SURV. BY: ...
 DATE: ...
 NO.:

PROFILE
 SURV. BY: ...
 DATE: ...
 NO.:

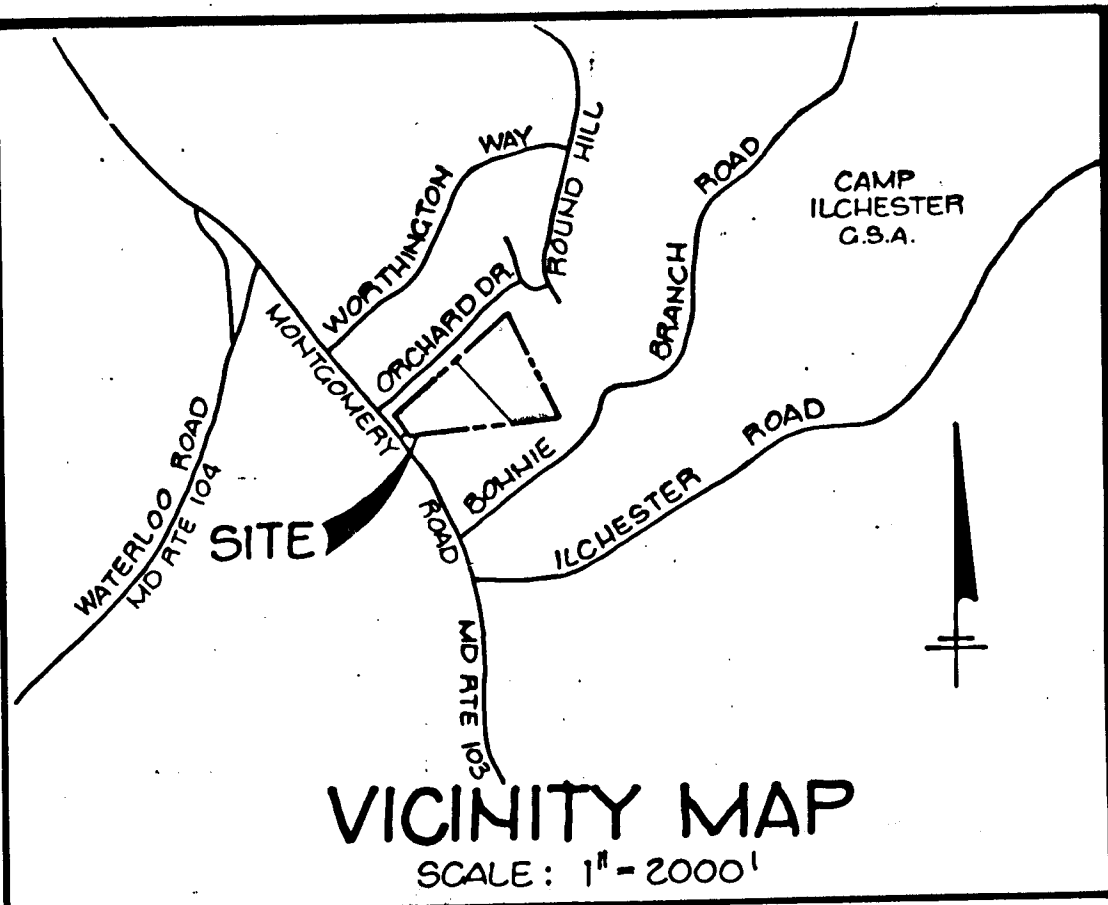
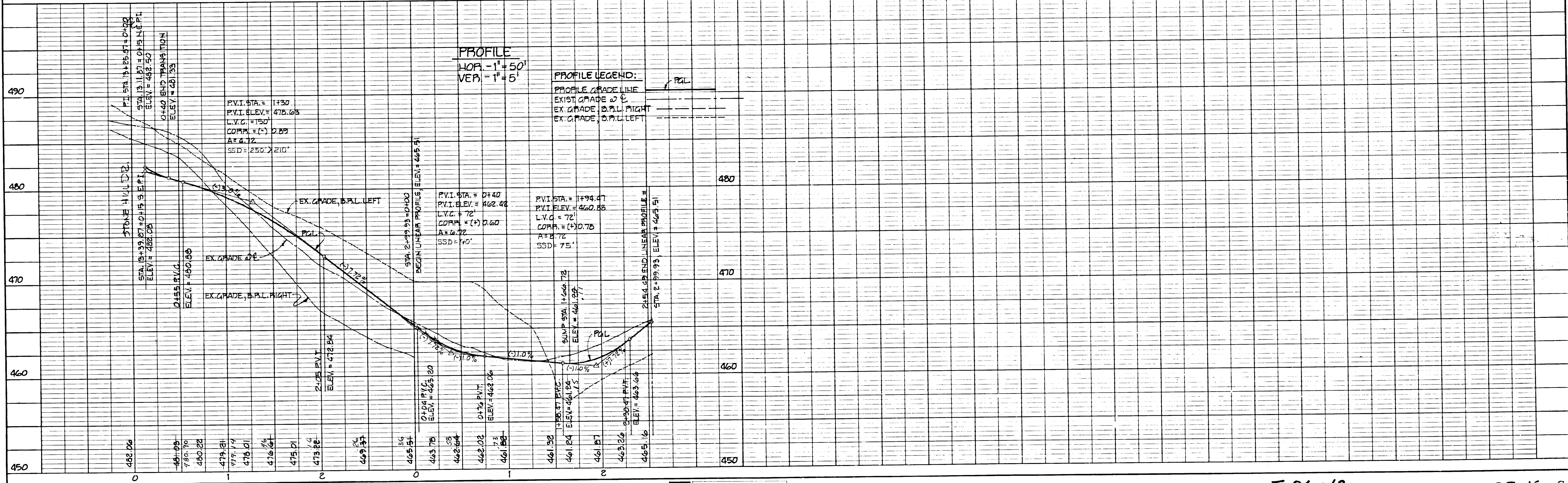
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PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	NO.	

NOTE: NO GRADING TO BE DONE OUTSIDE OF PROPERTY LIMITS WITHOUT WRITTEN PERMISSION FROM THE OWNER.



PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	B.M.'S NOTED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



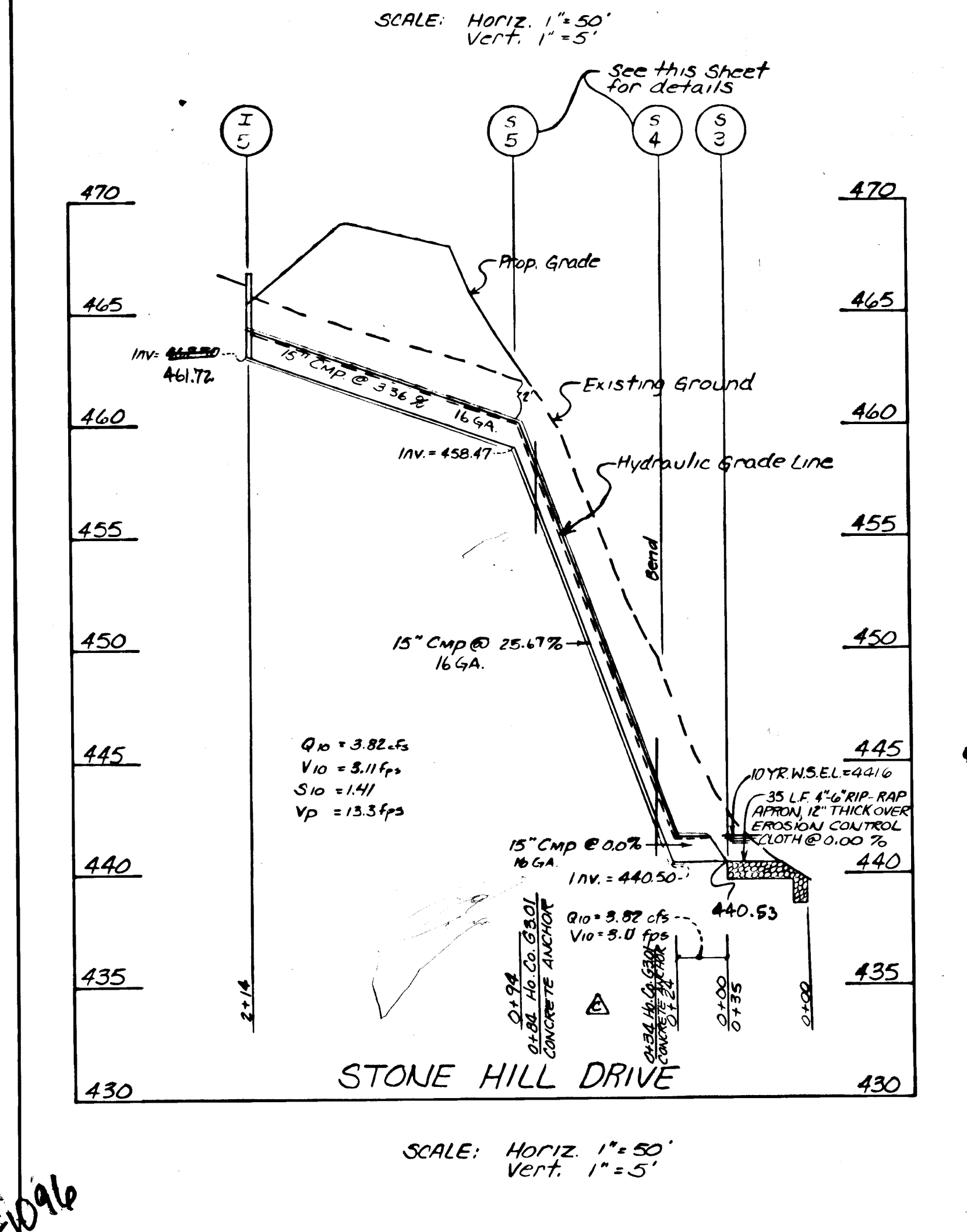
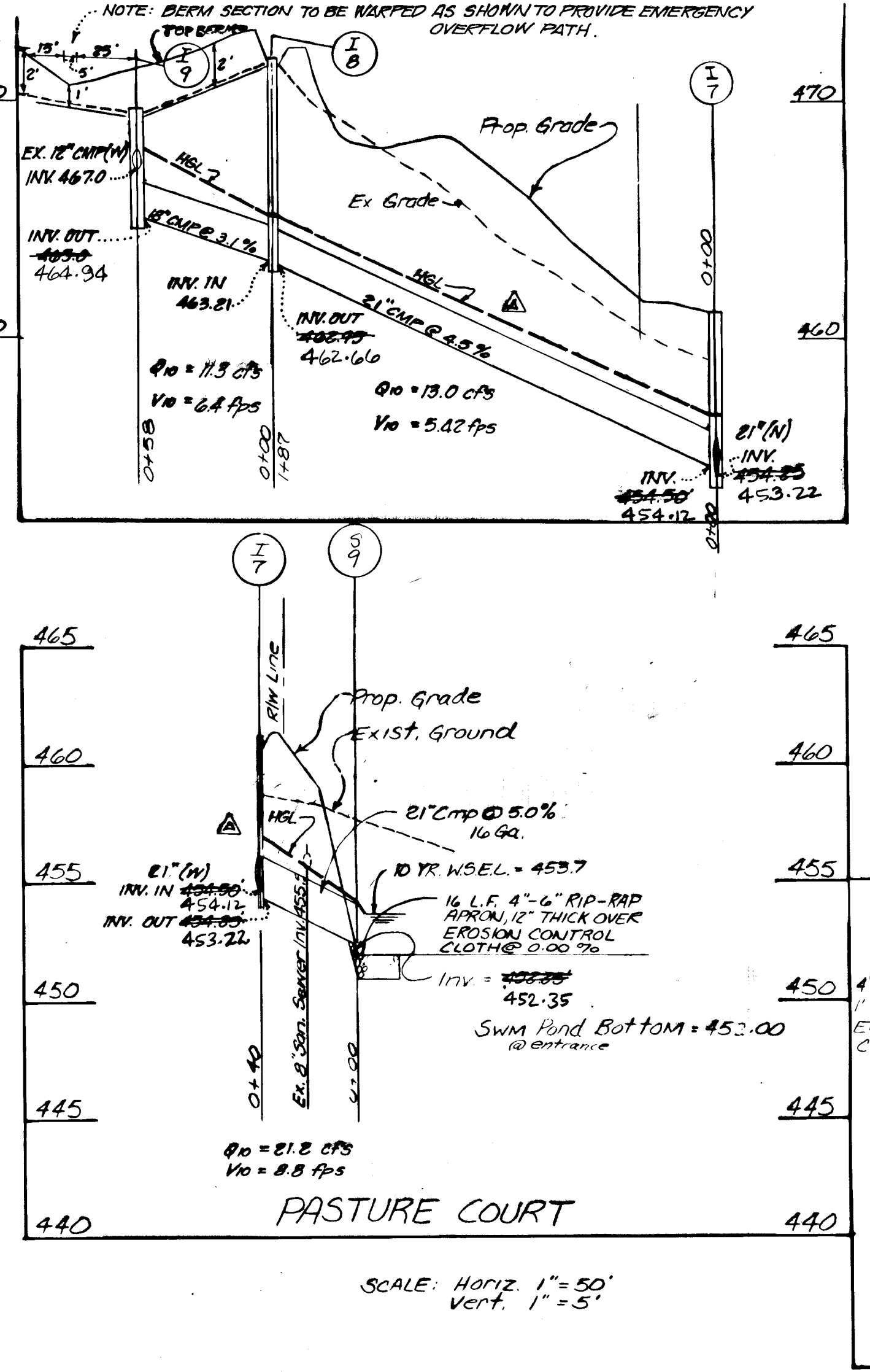
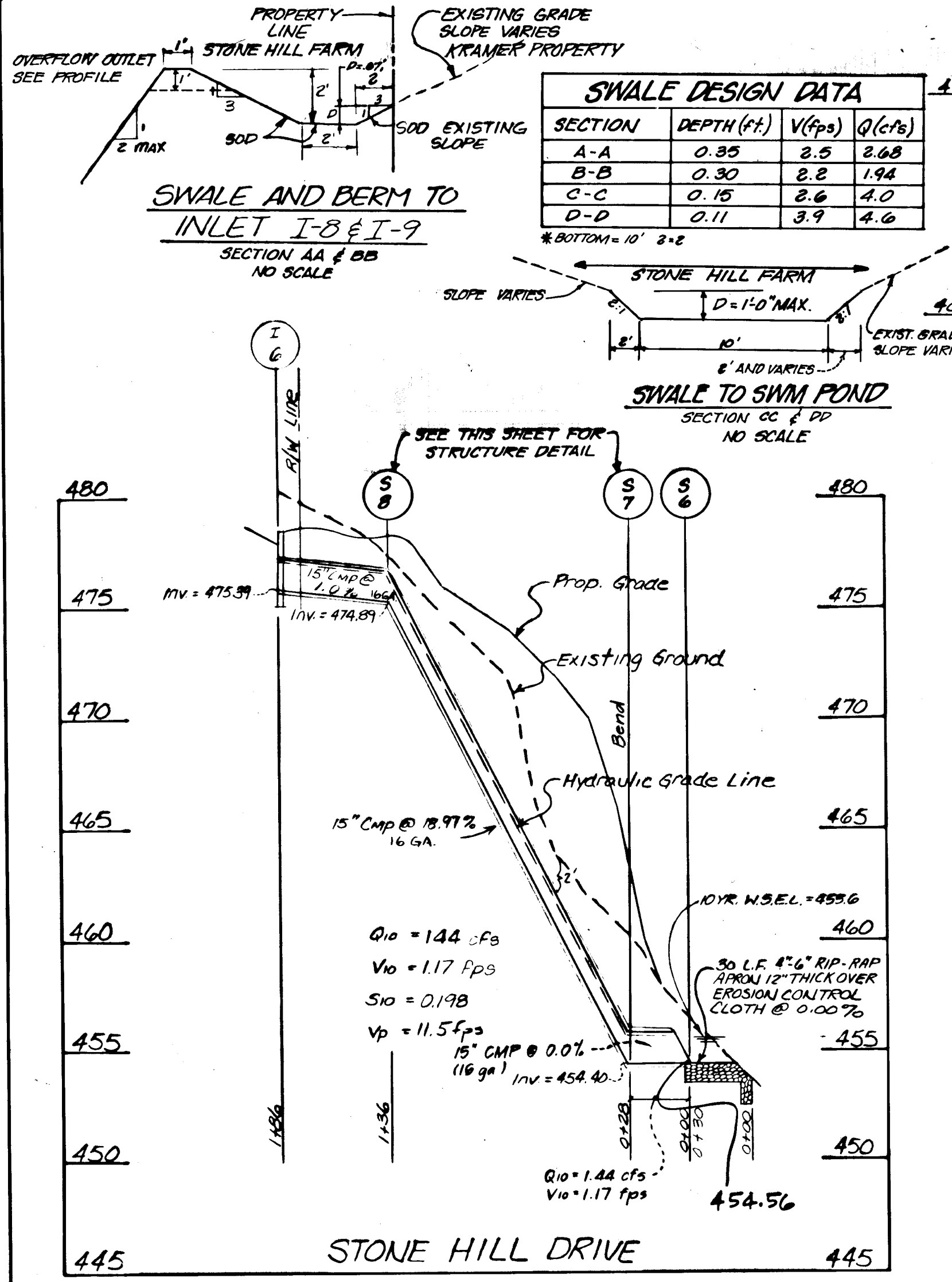
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Chief, Division of Land Development and Zoning Administration Date 9/20/85
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Engineering Date 9/22/85

KIDDE CONSULTANTS, INC.
 ENGINEERS, LAND PLANNERS & SURVEYORS
 8101 SANDY SPRING ROAD / LAUREL, MD 20707
 (301) 725-0665 / 792-8086

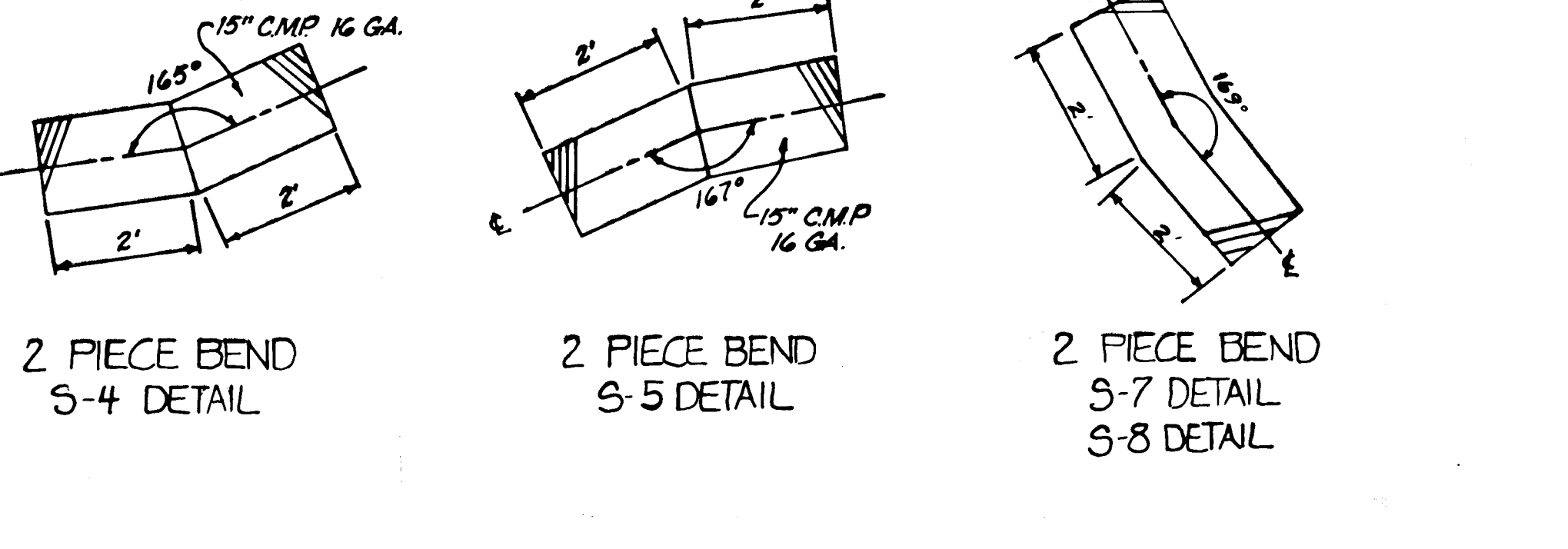
DATE April, 1985 SCALE AS SHOWN

DESIGNED	MVD	ROAD PLAN AND PROFILE	SCALE AS SHOWN
DRAWN	BLJ	PASTURE COURT	DWG NO. 2 OF 7
CHECKED	RLM	SECTION 2 AREA 1	JOB NO. 00732
		2ND ELECTION DISTRICT	FILE NO.
DATE	FOR:	OWNER & DEVELOPER	
<u>April, 1985</u>		<u>Stone Hill Farm, Inc.</u>	
		<u>514 N. Crain Highway</u>	
		<u>Glen Burnie, Maryland 21061</u>	

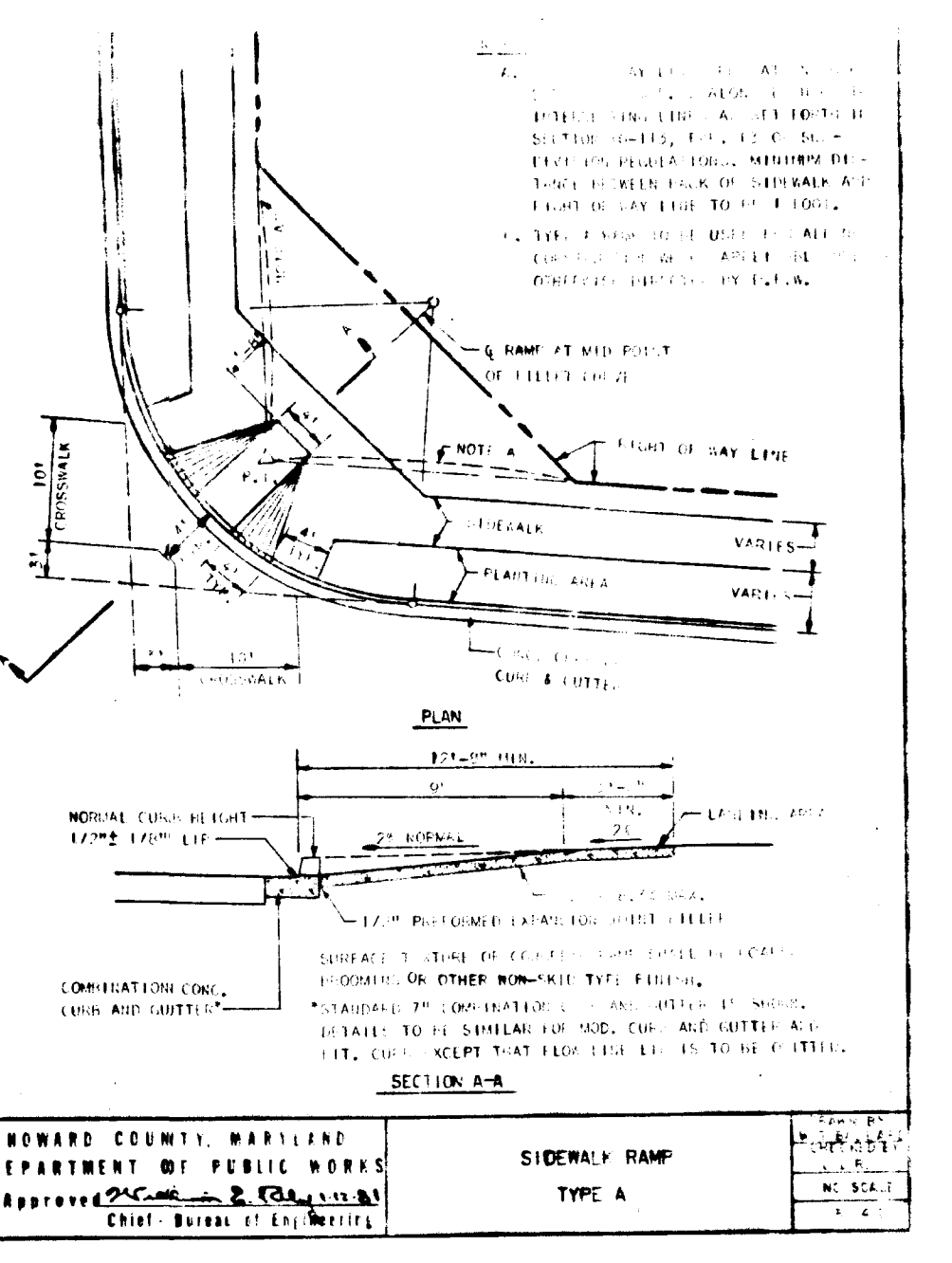
REVISION	DATE
REVISOR	DATE



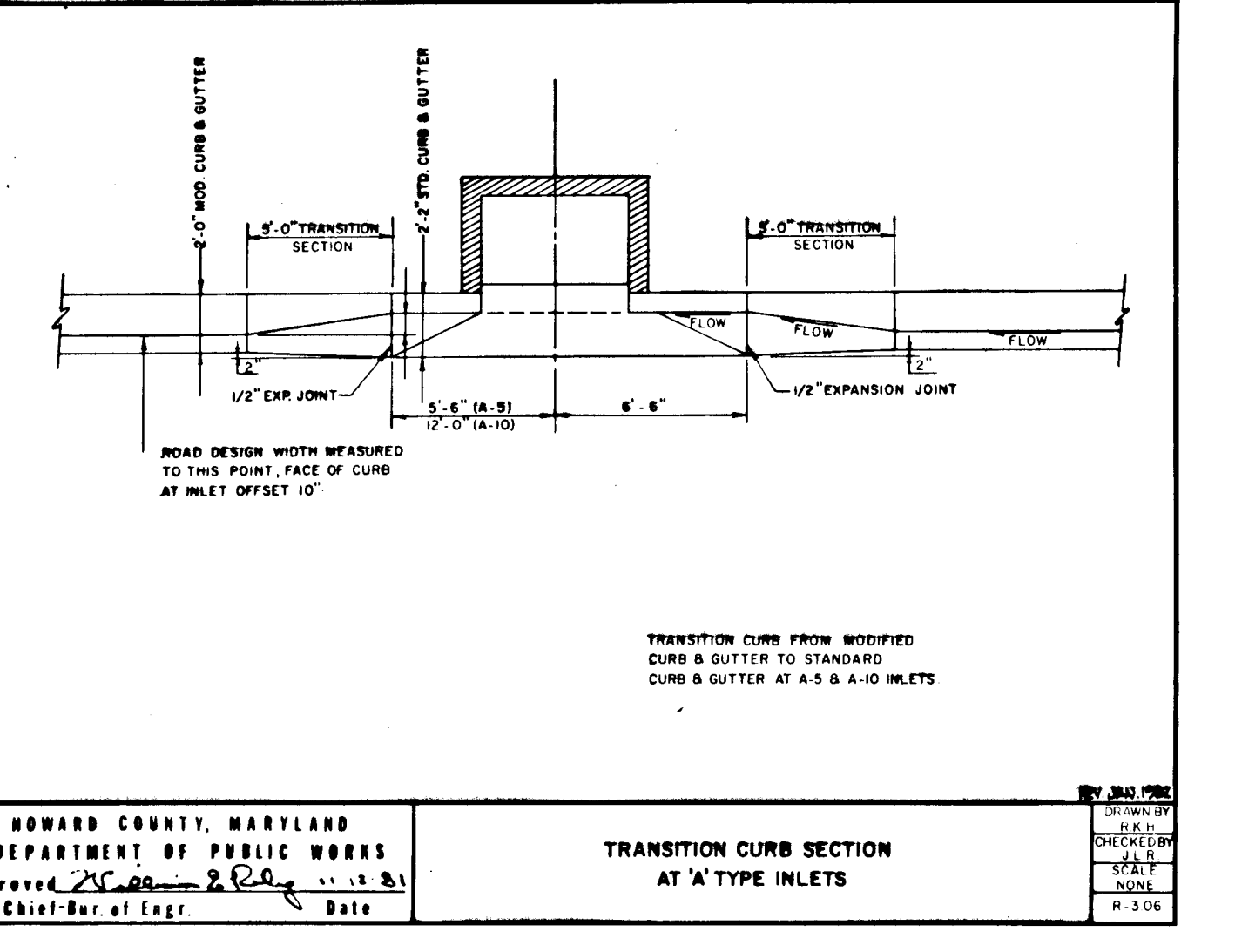
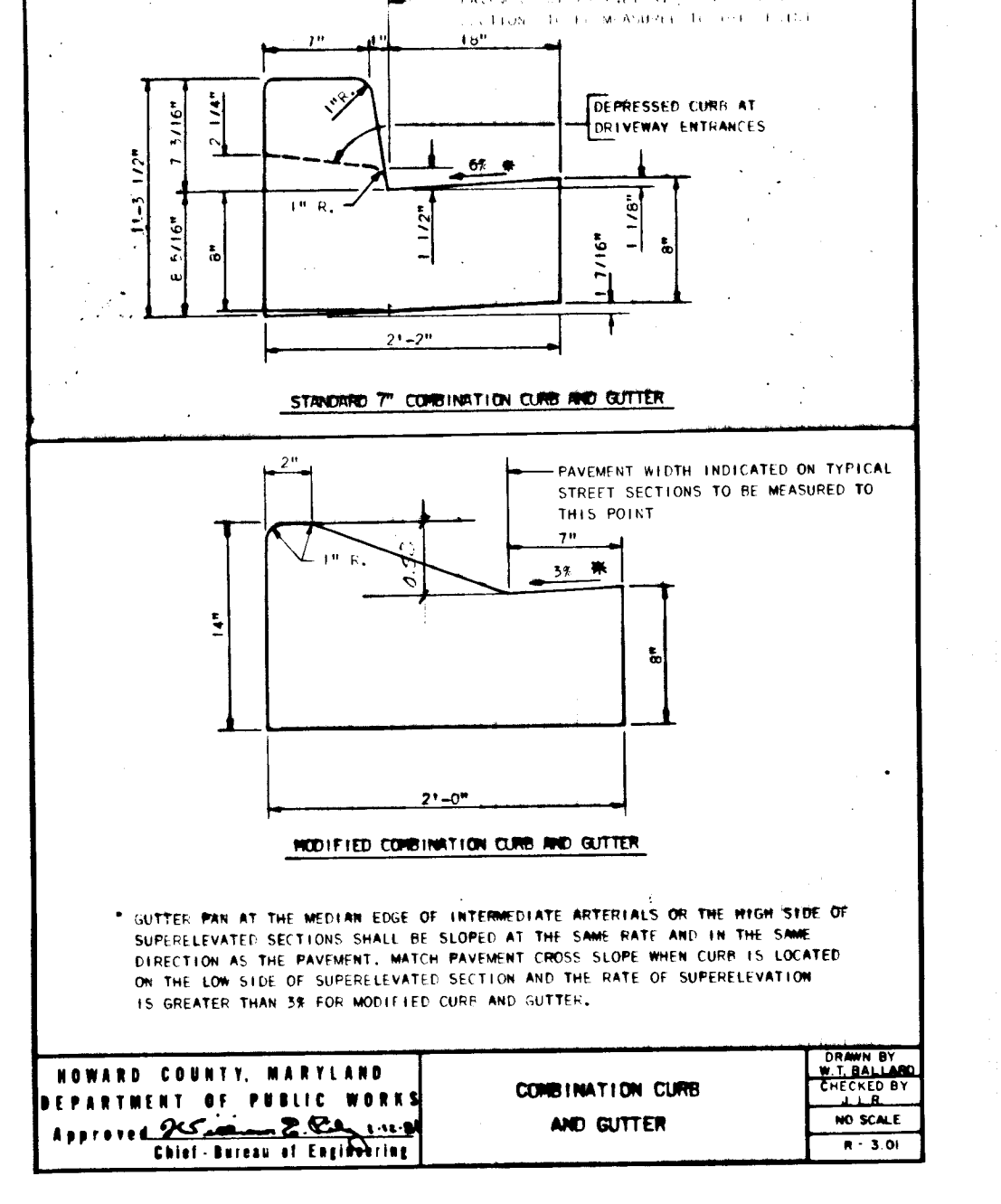
NO	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
M-1	HO. CO. STD. MANHOLE	451.00	451.00	456.50	SEE HO. CO. STD. DETAIL G5.05
I-5	HO. CO. STD. CLASS A-10 INLET	461.72	461.72	465.78	SEE HO. CO. STD. DETAIL SD-4.02
I-6	HO. CO. STD. CLASS A-5 INLET	478.91	478.91	478.91	SEE HO. CO. STD. DETAIL SD-4.01
I-7	HO. CO. STD. CLASS A-10 INLET	452.25	452.25	461.20	SEE HO. CO. STD. DETAIL SD-4.02
S-3	HO. CO. STD. METAL END SECTION	440.50	440.50		SEE HO. CO. STD. DETAIL SD-5.61
S-4	FABRICATED 2 PIECE BEND	440.50	440.50		SEE DETAIL THIS SHEET
S-5	FABRICATED 2 PIECE BEND	453.47	453.47		SEE DETAIL THIS SHEET
S-6	HO. CO. STD. METAL END SECTION	454.40	454.40		SEE HO. CO. STD. DETAIL SD-5.61
S-7	FABRICATED 2 PIECE BEND	454.40	454.40		SEE DETAIL THIS SHEET
S-8	FABRICATED 2 PIECE BEND	474.89	474.89		SEE DETAIL THIS SHEET
S-9	HO. CO. STD. METAL END SECTION	452.25	452.25		SEE HO. CO. STD. DETAIL SD-5.61
S-10	HO. CO. STD. METAL END SECTION	451.00	451.00		SEE HO. CO. STD. DETAIL SD-5.61
S-11	BRICK RISER	451.00	451.00	453.30	SEE DETAIL SHEET 4 OF 7



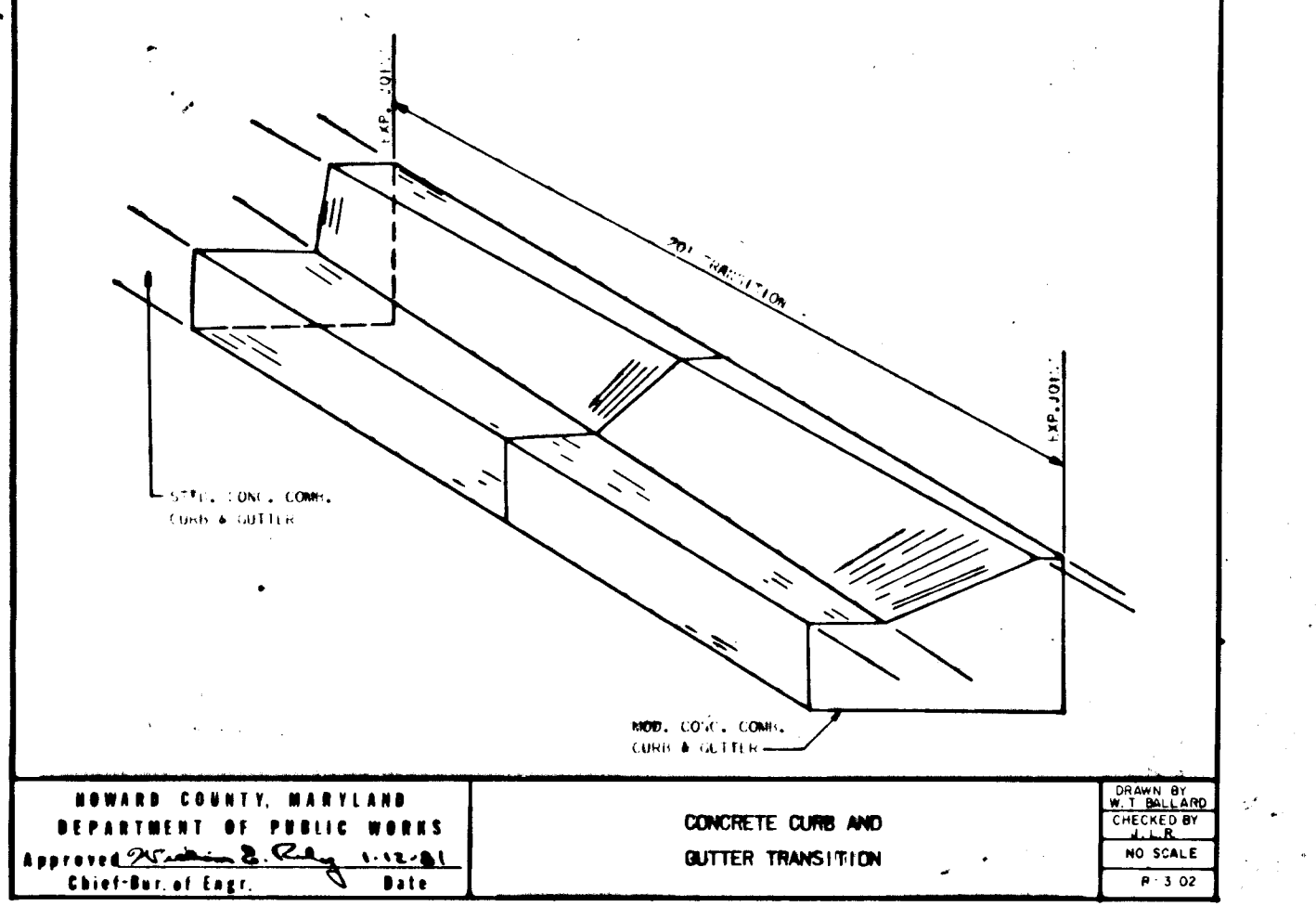
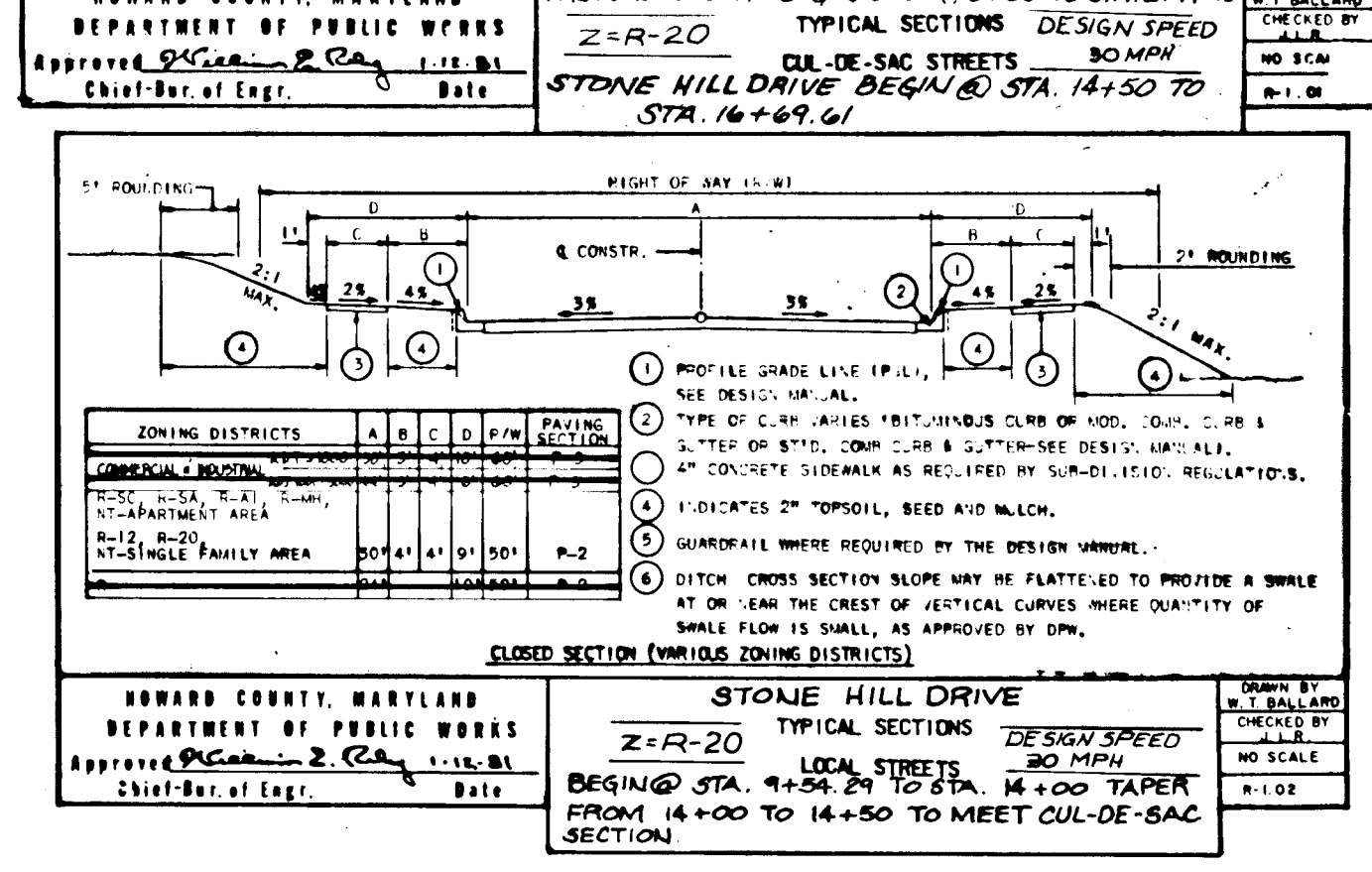
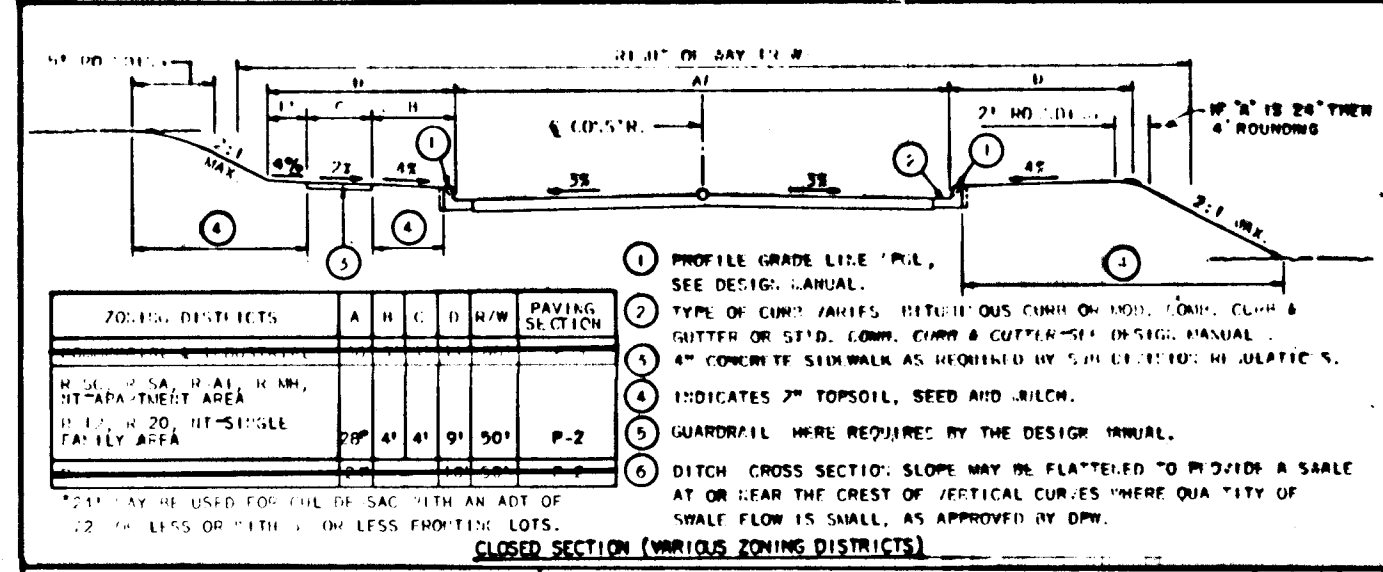
NR	TYPE	INV. IN	INV. OUT	THROAT ELEV.	REMARKS
I-8	D Inlet	463.8	468.95	471.4	Ho. Co. S.D. 4.11 INLET THROAT OPENINGS TO BE PLACED TO RECEIVE SWALE FLOW.
I-9	D Inlet	467.0	465.0	468.0	Ho. Co. S.D. 4.11



CURVE DATA		COMMERCIAL-INDUSTRIAL (20' APPROACH)		COMMERCIAL-INDUSTRIAL (44' APPROACH)	
CURVE NO.	STATIONING	PI	PC	PT	PI
1	450+00 TO 450+50	450+25	450+00	450+50	450+25
2	450+50 TO 451+00	450+75	450+50	451+00	450+75

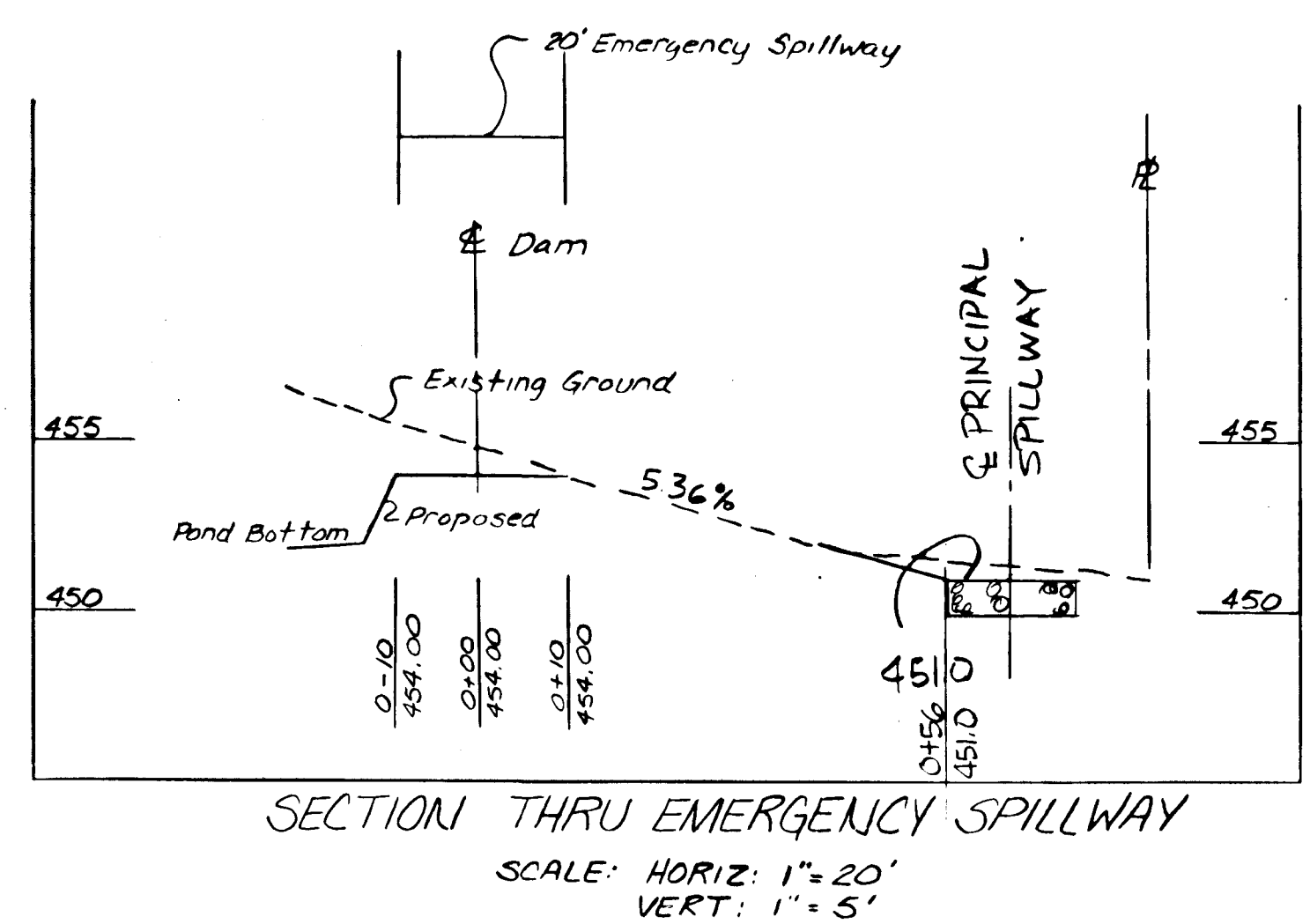
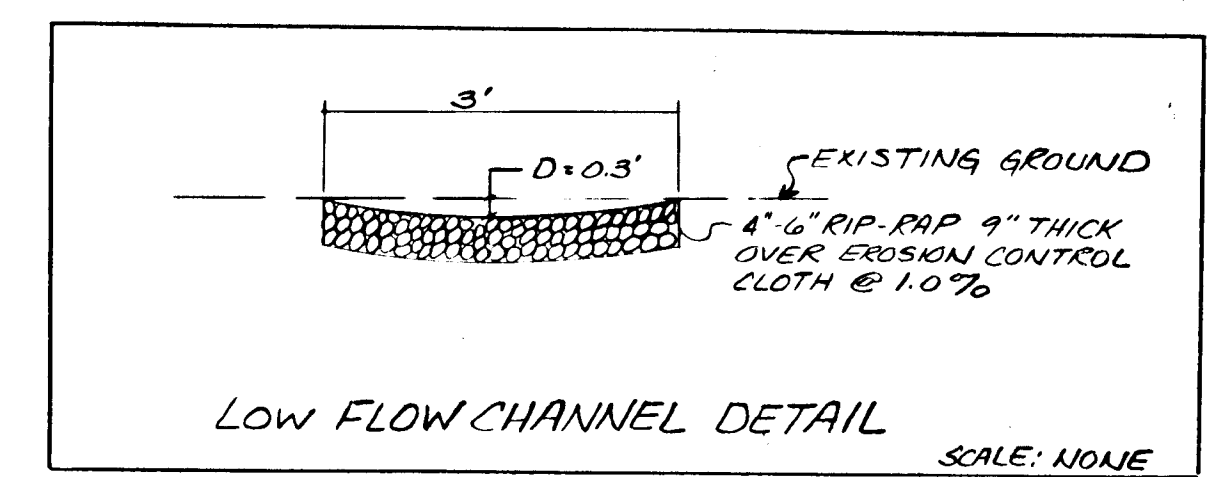
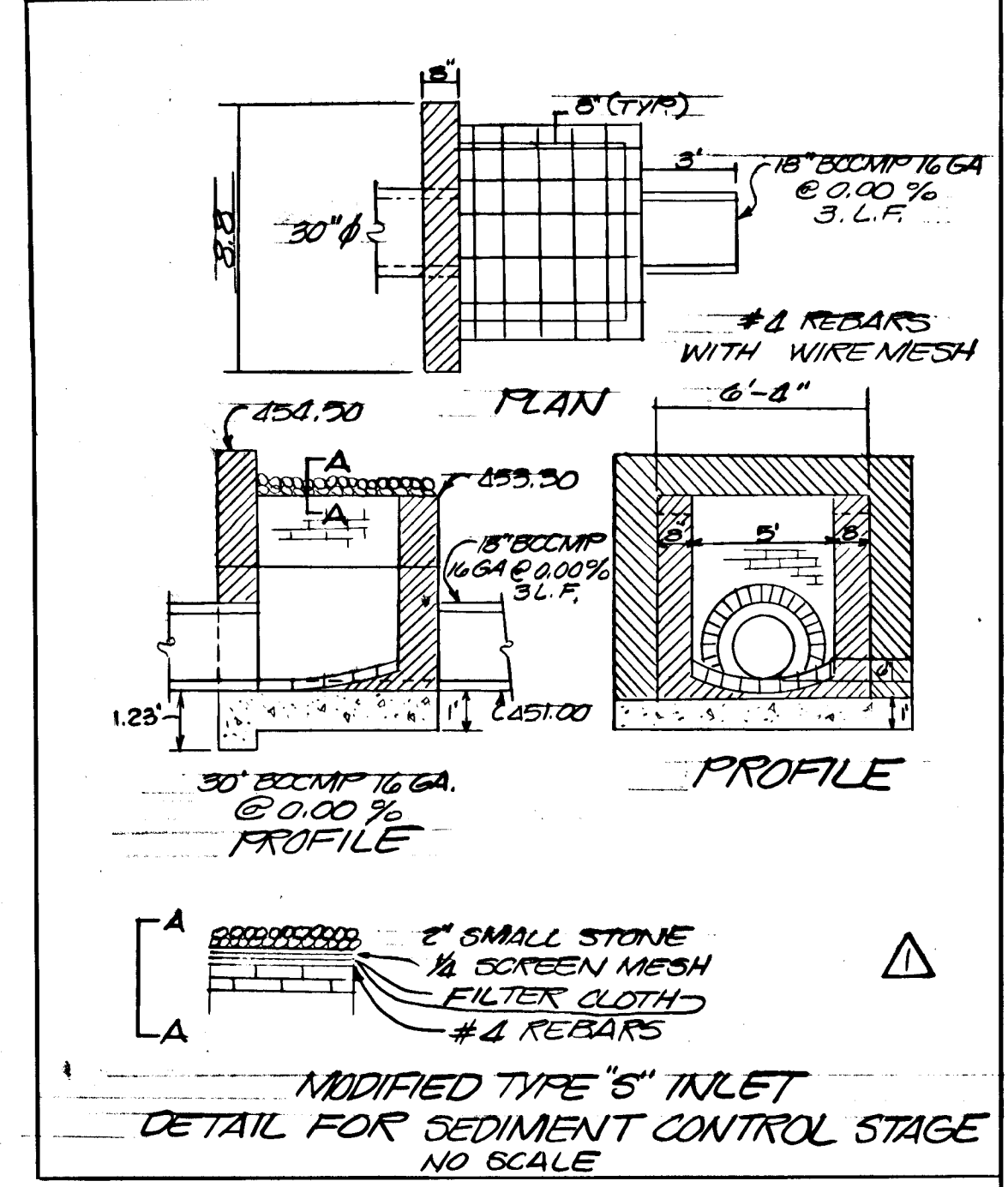
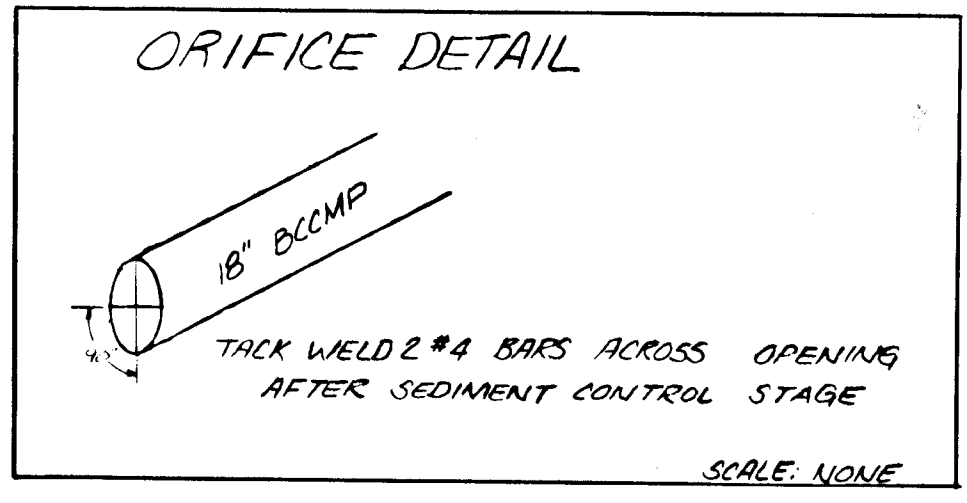
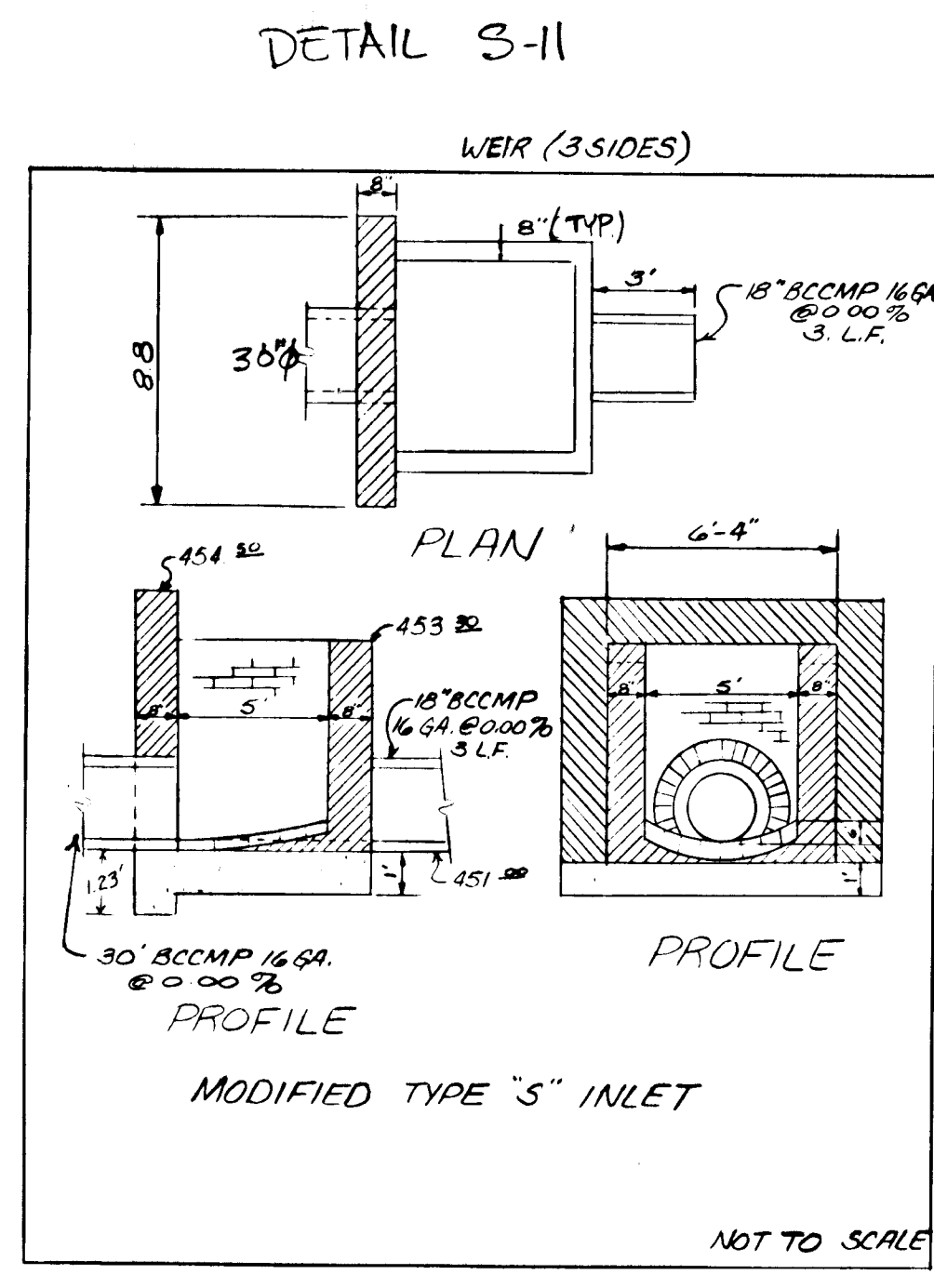
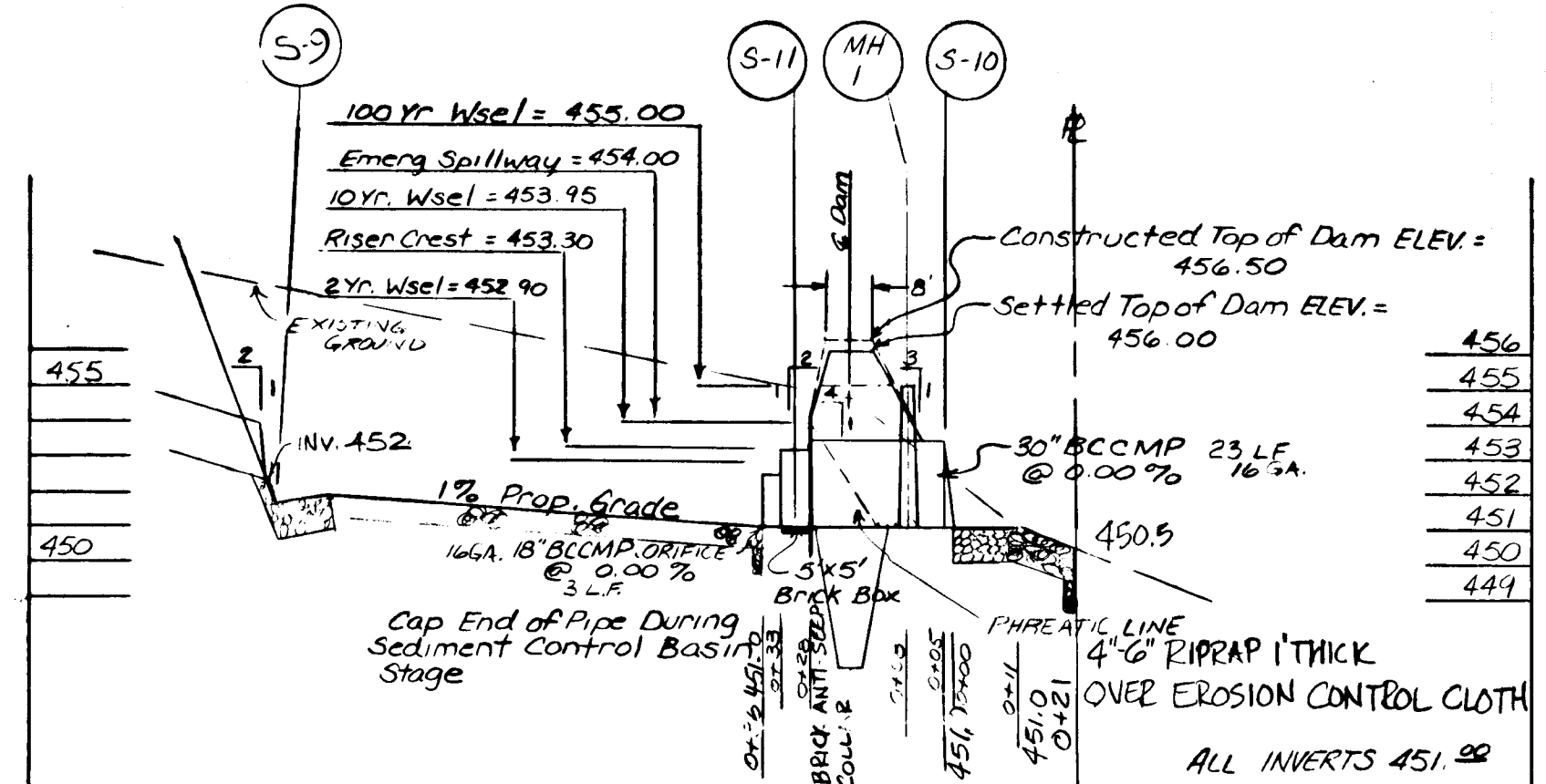
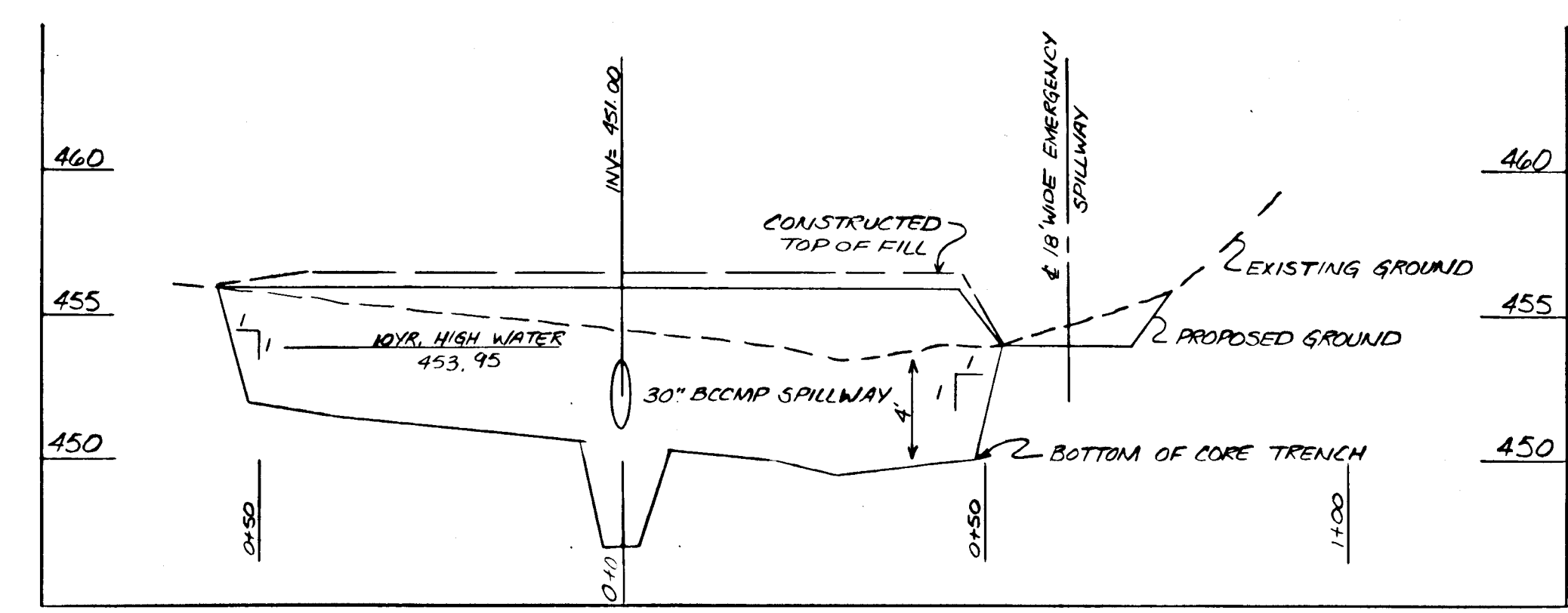
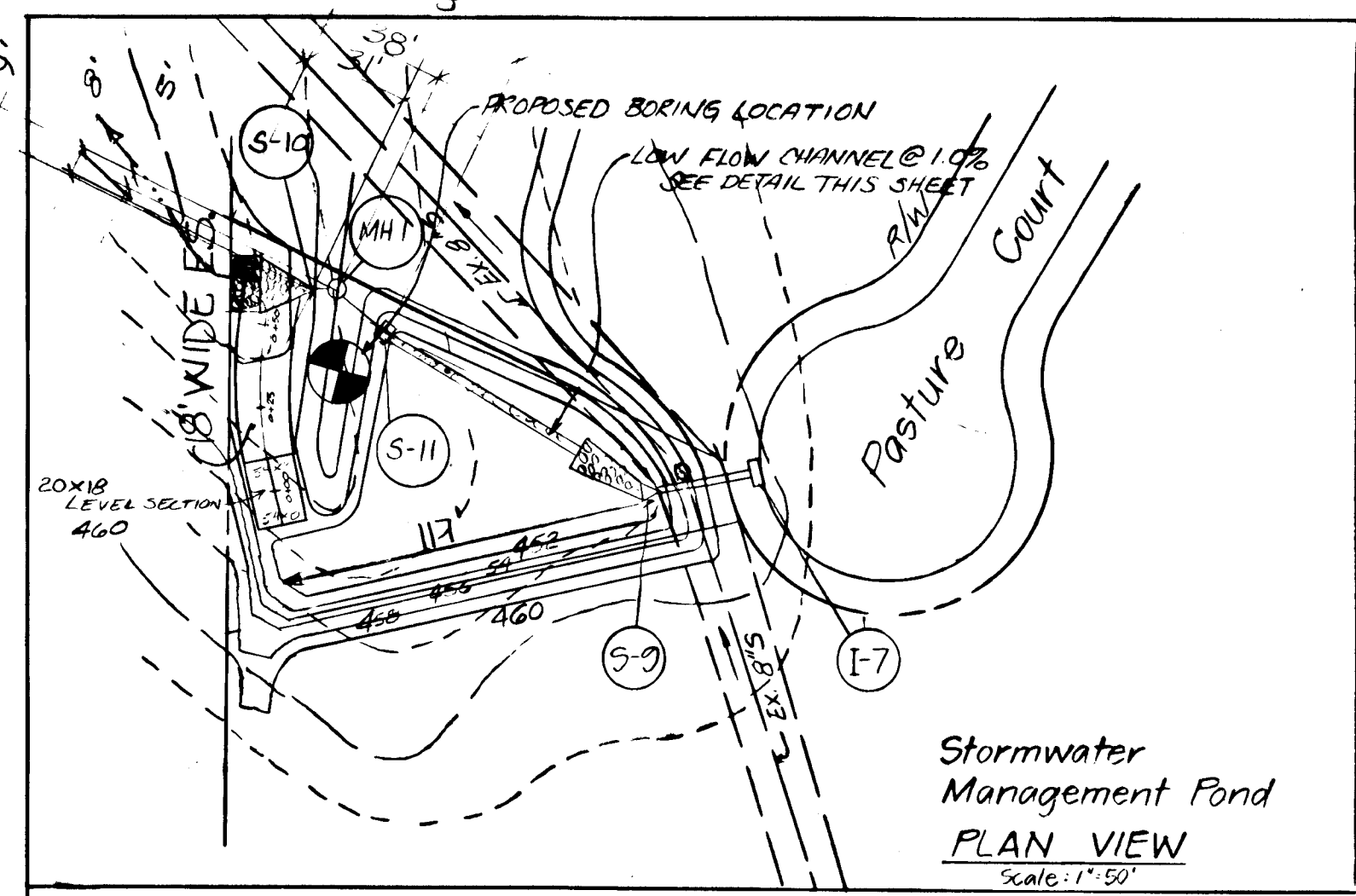


SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	GRANULAR BASE ALTERNATES
P-2	RESIDENTIAL ZONES LOCAL, COLLECTOR, BYS. ALLEYS AND PRIVATE ROADS SERVING INDIVIDUAL LOTS	1 1/2\"/>	
P-3	RESIDENTIAL ZONES REGIONAL AND MAJOR COLLECTORS COMMERCIAL-INDUSTRIAL ZONES LOCAL, COLLECTOR, BYS. ALLEYS AND PRIVATE ROADS SERVING INDIVIDUAL LOTS	1 1/2\"/>	
P-4	COMMERCIAL-INDUSTRIAL ZONES MAJOR COLLECTORS	1 1/2\"/>	



APPROVED: Howard Co. Office of Planning & Zoning
David Muehman 7-20-85 7-20-85
 Chief, Division of Land Development & Zoning Admin Date
 APPROVED: Howard Co. Dept. of Public Works
J. S. [Signature] 9-11-85
 Chief, Bureau of Engineering Date
 Designed: STORM DRAIN PROFILES & CONSTRUCTION DETAILS
 MVD # [Blank]
 Drawn: JPH
 checked: [Blank]
 Date: FOR: STONE HILL FARM, INC. 514 N. CRAIN HIGHWAY GLEN BURNIE, MD. 21061
 Scale: AS SHOWN
 Dwg. No: 307
 Job No: [Blank]
 File No: [Blank]

DATE	REVISION	BY
12-10-85	REVISED HGL	JPH
12-10-85	REVISED TOP ELEVATION	JPH
12-10-85	ADDED CONCRETE ANCHOR	JPH



SOIL CONSERVATION SERVICE
CONSTRUCTION SPECIFICATIONS FOR PONDS

These specifications are appropriate to ponds within the scope of the Standard for practice 376.

1. SITE PREPARATION

Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, stumps and other objectionable material shall be removed. Channel banks and steep banks shall be sloped to no steeper than 1:1.

Areas to be covered by the pond or reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface.

All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

11. FILL FILL

Material

The fill material shall be taken from approved designated borrow areas or areas. It shall be free of roots, stumps, mud, rubbish, concrete stones, fences or other objectionable materials. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height shall be the length of the embankment shall be measured above the design elevation (including Creepback) as shown on the plans.

Placement

Areas on which fill is to be placed shall be prepared prior to placement of fill. Fill materials shall be placed in lifts. The bottom width of the trench shall be as shown on the drawings. The bottom width of the trench shall be as shown on the drawings. The bottom width of the trench shall be as shown on the drawings.

Compaction

The amount of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by one less than one third track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired or vibratory roller. Fill materials shall contain sufficient moisture such that the required degree of compaction can be obtained with the equipment used.

Where a minimum required density is specified, each layer of fill shall be compacted as necessary to obtain that density and it to be certified by the Engineer.

Outlet Trench

Where specified, an outlet trench shall be constructed along or parallel to the centerline of the embankment as shown on the drawings. The bottom width of the trench shall be as shown on the drawings. The bottom width of the trench shall be as shown on the drawings.

111. STRUCTURAL BACKFILL

Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers four inches thick and compacted by hand tampers or other compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe.

1V. PIPE CONCRETE

All pipes shall be circular in cross section.

A. Cast-in-place Concrete Pipe

1. Materials - Cast-in-place concrete shall be of the type and quality conforming to the requirements of ASTM Specification C-150 Type I with water-tight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound.

2. Materials - Reinforced concrete pipe shall have a rubber gasket joint and shall equal or exceed ASTM Specification C-261. An approved equivalent is ASTM Specification C-693.

3. Bedding - All reinforced concrete pipe conduits shall be laid in a concrete bedding for their entire length. This bedding shall consist of high slump concrete placed under the pipe and up the sides of the pipe at least 10% of the outside diameter with a minimum thickness of 3", or as shown on the drawings.

4. Laying pipe - Bell and spigot pipe shall be placed with the bell end upstream. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are set for the entire line, the bedding shall be placed so that all spaces under the pipe are filled. Care shall be exercised to prevent any deviation from the original line and grade of the pipe.

5. Backfilling shall conform to structural backfill as shown above.

6. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

C. For pipe of other materials, specific specifications shall be shown on the drawings.

V. CONNECTIONS

1. Materials - (Aluminum Pipe) - This pipe and its appurtenances shall conform to the requirements of ASTM Specification M-198 or M-211 with watertight coupling bands or flanges. Coupling bands, anti-seep collars, and sections, etc. must be composed of the same material as the pipe. Metals must be insulated from dissimilar materials with use of rubber or plastic insulating materials at least 24 mils in thickness. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be less than 9 and greater than 4.

2. Connections - All connections with pipe must be completely watertight. The drain pipe or barrel connection to the riser shall be welded all around when the pipe and riser are metal. Watertight coupling bands or flanges shall be used at all joints. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight. Simple bands are not considered to be watertight.

3. Bedding - The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.

4. Laying pipe - The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the side.

5. Backfilling shall conform to structural backfill as shown above.

6. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

Steel pipes with polymeric coatings shall have a minimum coating thickness of 0.01 inch (10 mil) on both sides of the pipe. The following coatings are commercially available: Broom, Plast-Coat, Plast-214, and Plast-Coat. Coated corrugated steel pipe shall meet the requirements of ASTM M-245 and M-246.

Materials - (Aluminum Pipe) - This pipe and its appurtenances shall conform to the requirements of ASTM Specification M-198 or M-211 with watertight coupling bands or flanges. Coupling bands, anti-seep collars, and sections, etc. must be composed of the same material as the pipe. Metals must be insulated from dissimilar materials with use of rubber or plastic insulating materials at least 24 mils in thickness. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be less than 9 and greater than 4.

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4. Laying pipe - The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the side.

5. Backfilling shall conform to structural backfill as shown above.

6. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

ENGINEERS 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.

Kathleen May 8/27/85
Kathleen L. May, Jr., EIT

DEVELOPER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a certificate of attendance at a Dept. of Natural Resources Approved Training Program For The Control of Sediment And Erosion before beginning the project. I also authorize periodic on-site inspections by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

Howard S. C. D. 9/16/85
Howard S. C. D.

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

Stephen L. Gude 9/16/85
Howard S. C. D.

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

James M. Gude 9/16/85
U.S. SOIL CONSERVATION SERVICE

APPROVED: Howard Co. Office of Planning & Zoning
John M. Muehler 9-20-85
Chief, Division of Land Development & Zoning Admin. Date

APPROVED: Howard Co. Dept. of Public Works
John M. Muehler 9-19-85
Chief, Bureau of Engineering

Designed	MVD	Scale	AS SHOWN
Drawn	JPH	DWG. NO.	4 OF 7
Checked	JPH	JOB NO.	00032
Date	April, 1985	File No.	

FOR: STONE HILL FARM, INC.
514 N. CRAIN HIGHWAY
GLENBURNIE, MD. 21061

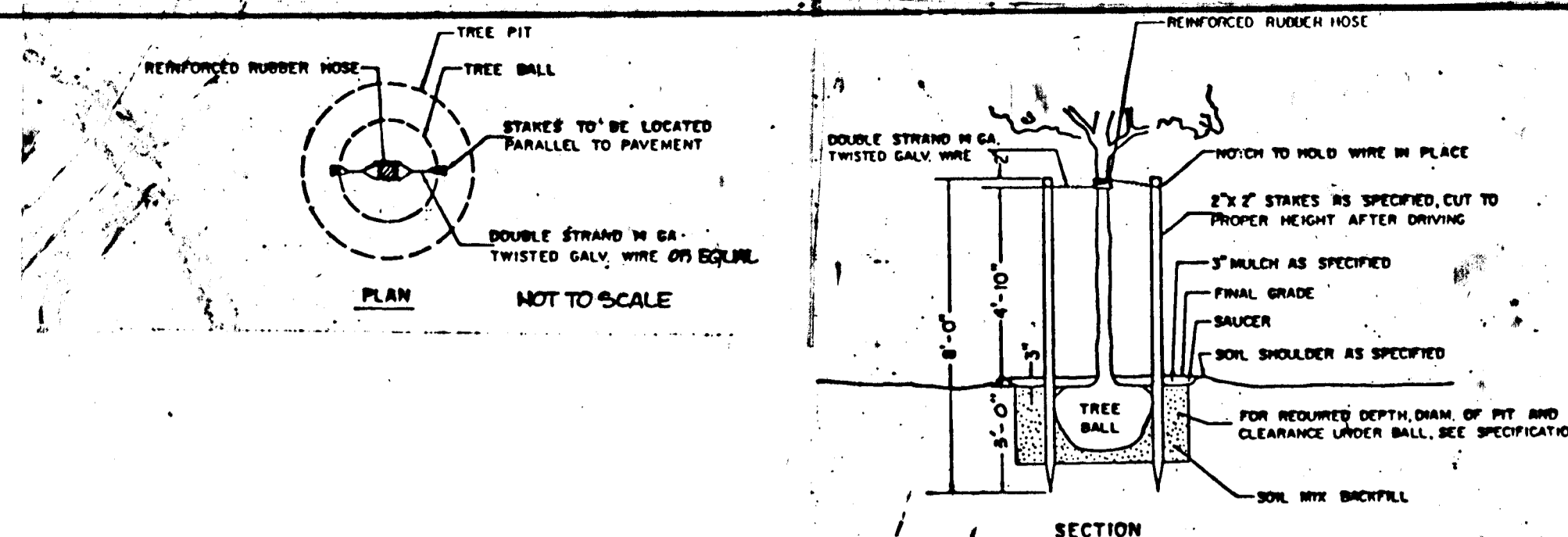
KIDDE CONSULTANTS, INC.
ENGINEERS, LAND PLANNERS & SURVEYORS
8101 SANDY SPRING ROAD | LAUREL, MD 20707
(301) 725-0665 | 792-8086

DATE	2/10/85	REVISION	Remove DA Map
DATE	2/17/85	REVISION	ADDED DETAIL
SURVEYED BY		BY	JPH
COMPUTED BY		BY	JPH
DRAWN BY		BY	JPH
CHECKED BY		BY	JPH

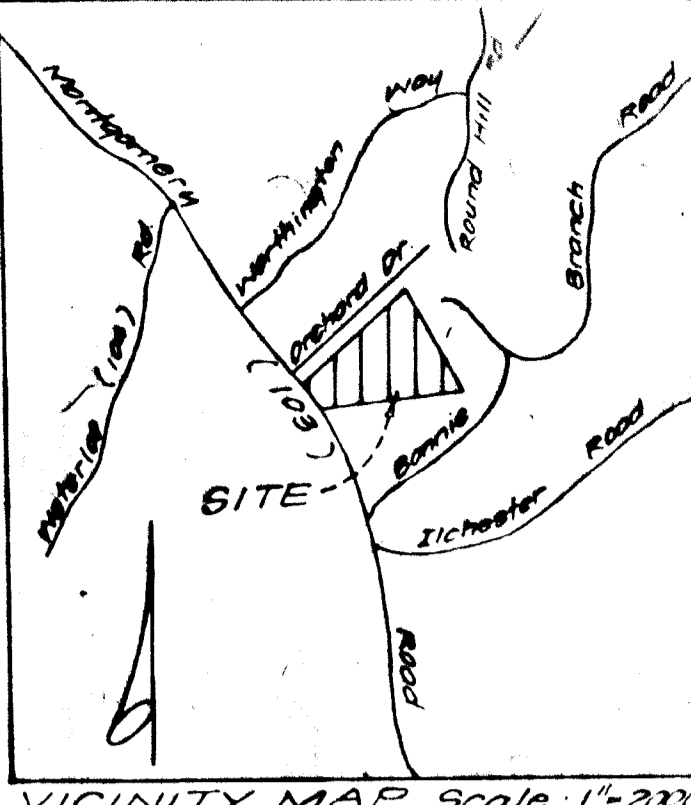
DATE 8-27-85 SCALE AS BUILT

RIP-RAP OUTLET TRAP

Drainage Area	10.5 AC.
Storage Required	18,700 cu. ft.
Storage Provided	20,100 cu. ft.
Top of Berm	454.00
Emerg. Spillway Elev.	454.00
Riser Crest	453.30
Cleanout Elev.	453.00
Bottom of Basin	451.00
OUTLET WIDTH	18'

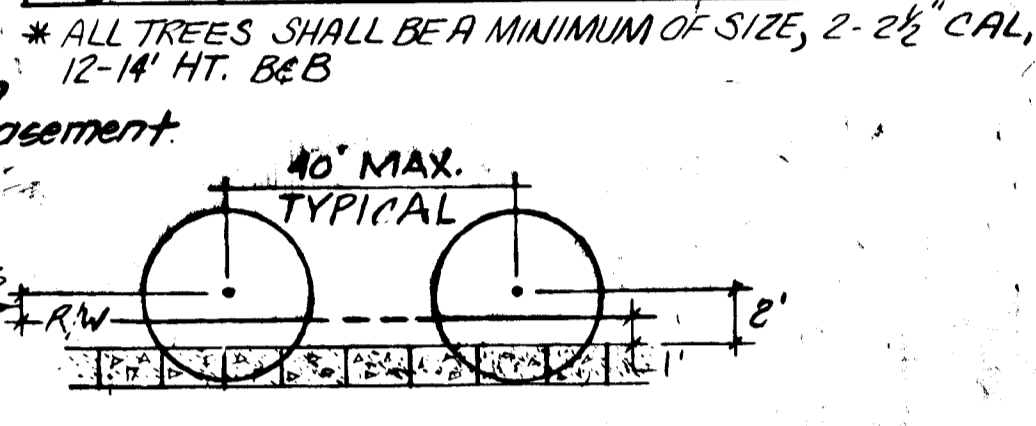


- GENERAL NOTES:**
- Field conditions such as walks, driveways, underground utilities, cleanouts, etc. shall determine the final location of street tree plantings.
 - All trees shall be balled and burlapped or container grown.
 - All trees shall be firmly staked. (See detail this sheet)
 - Plant mix per cubic yard: 3 parts top soil, 1 part peat moss & 2 pounds fertilizer (10-6-4)
 - Plant mix shall be thoroughly mixed on site.
 - All planting shall be guaranteed one calendar year from time of acceptance.
 - Street Tree Typical Plan per Section 16.131 of the Howard County Code.



PLANT LIST

SYMBOL	BOTANICAL NAME / COMMON NAME	QUANTITY
○	ACER SACCHARUM / SUGAR MAPLE	41
⊗	PLATANUS ACERIFOLIA / BLOODGOOD LONDON PLANETREE	20

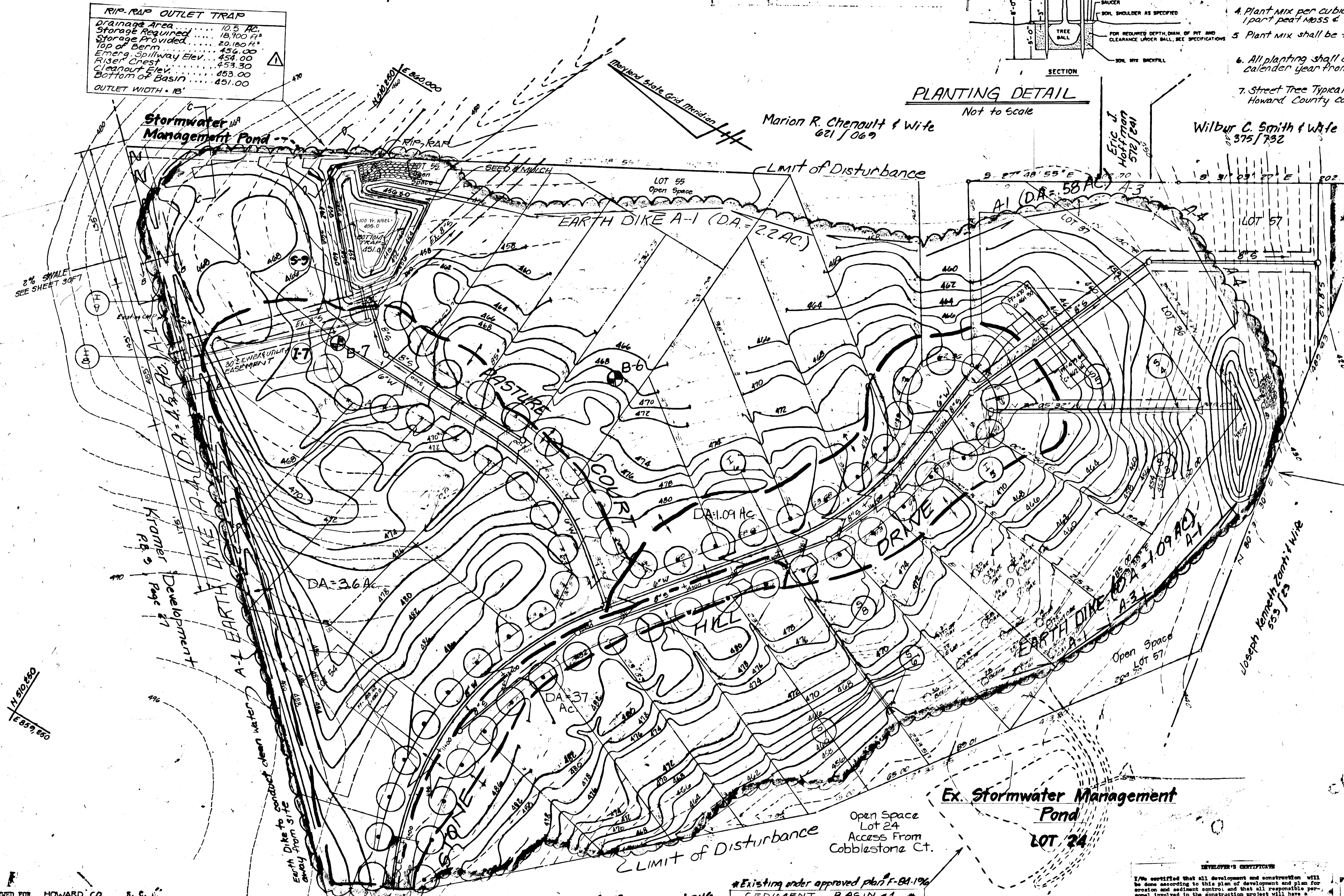


NOTE:
Street tree typical plan per Section 16.131 of the Howard County Code.

TYPICAL STREET TREE PLANTING
Not to Scale

SEDIMENT TRAP #1 (ST-V)

Drainage Area	3.2 acres
Storage Required	5,760 c.f.
Storage Provided	6,250 c.f.
Outlet Length	13'
Cleanout Elev.	434.20
Bottom Elev.	430.00
Top of Outlet	437.00



Existing under approved plan F-84-196

SEDIMENT BASIN #1 *

Drainage Area	13.68 AC.
Storage Required	410,160 cu. yds.
Storage Provided	1097,000 yds.
Top of Berm	447.10
Emerg. Spillway Elev.	445.10
Riser Crest	444.10
Cleanout Elev.	443.0
Bottom of Basin	440.5

DEVELOPER'S CERTIFICATE

I, **W. Dennis Gillige**, certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control, and that all responsible personnel involved in the construction project will have a certificate of attendance at a Dept. 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, or the authorized agents, as are deemed necessary.

Signature of Developer: **W. Dennis Gillige** Date: **8/27/85**

ENGINEERS' 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 of Engineer: **Rodolph May, Jr.** Date: **8/27/85**

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

Joseph M. Murchison 9-20-85
Chief, Division of Land Development & Zoning Admin. Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Joseph M. Murchison 9-19-85
Chief, Bureau of Engineering Date

DESIGNED BY	MVD	Scale	As Shown
DRAWN BY	MVD/TPH	DRWG. NO.	5 of 7
CHECKED BY	RLM	JOB NO.	
DATE	April 1985	FILE NO.	

FOR: **STONE HILL FARM, INC.**
514 N. CRAIN HIGHWAY
GLEN BURNIE, MARYLAND 21061

KIDDE CONSULTANTS, INC.

DATE	REVISION	BY
7/11/85	Checked Outlets, Map	JOH
8/27/85	REVISED OUTLET TRAP	JOH

ENGINEERS, LAND PLANNERS & SURVEYORS
814 SANDY SPRING ROAD / LAUREL, MD. 20707
(301) 725-0665 / 792-8086

DESIGNED FOR: **HOWARD CO. S. C. D.**

NAME: **James M. Murchison** DATE: **9-16-85**

U.S. SOIL CONSERVATION SERVICE

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

Signature: **Stephen L. Smith** 9/16/85
Howard S. C. D. Date

Stone Hill Farm
Section 1, Area 1, 2 of 2, Plat No. 5115 & 5116

Ex. Stormwater Management Pond
LOT 24
Open Space
Access From
Cobblestone Ct.

- 1) 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)
2) 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.
3) Following initial soil disturbance or redistribution, 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.
4) 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, Storm Drainage.
5) 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. 54), 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.
6) 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.
7) Site Analysis:
Total Area of Site 14.9 Acres
Area Disturbed 11.2 Acres
Area to be roofed or paved 1.0 Acres
Area to be vegetatively stabilized 10.2 Acres
Total Fill 25000 Cu. yds
Offsite waste/borrow area location N/A
8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
10) 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 all necessary permits.
2. Clear and grub areas necessary for the installation of sediment control measures. Two weeks.
3. Construct dikes and trap. Two weeks.
4. Construct storm water management pond. (Trap # 2) and block low flow orifice. Three weeks. Note - maintain existing Sediment Basin #1, install marker pipe.
5. Seed and mulch all disturbed areas. One week.
6. Rough grade site. Three weeks.
7. Install utilities and storm drains, blocking all inlets with brick and mortar. Four weeks.
8. Fine grade site, install roads. Four weeks.
9. Stabilize any remaining disturbed areas. One week.
10. With approval of sediment control inspector, remove sediment control devices except Basin #2 and stabilize immediately. Two weeks.
4A. Seed & Mulch Area Below Dam Immediately after Grading Install Embankments and Rip-Rap Stabilize Embankment Provide De-watering Device and Block Weir as shown on 5-1 Inlet Detail.
* Construct Block Inlet as shown on Detail

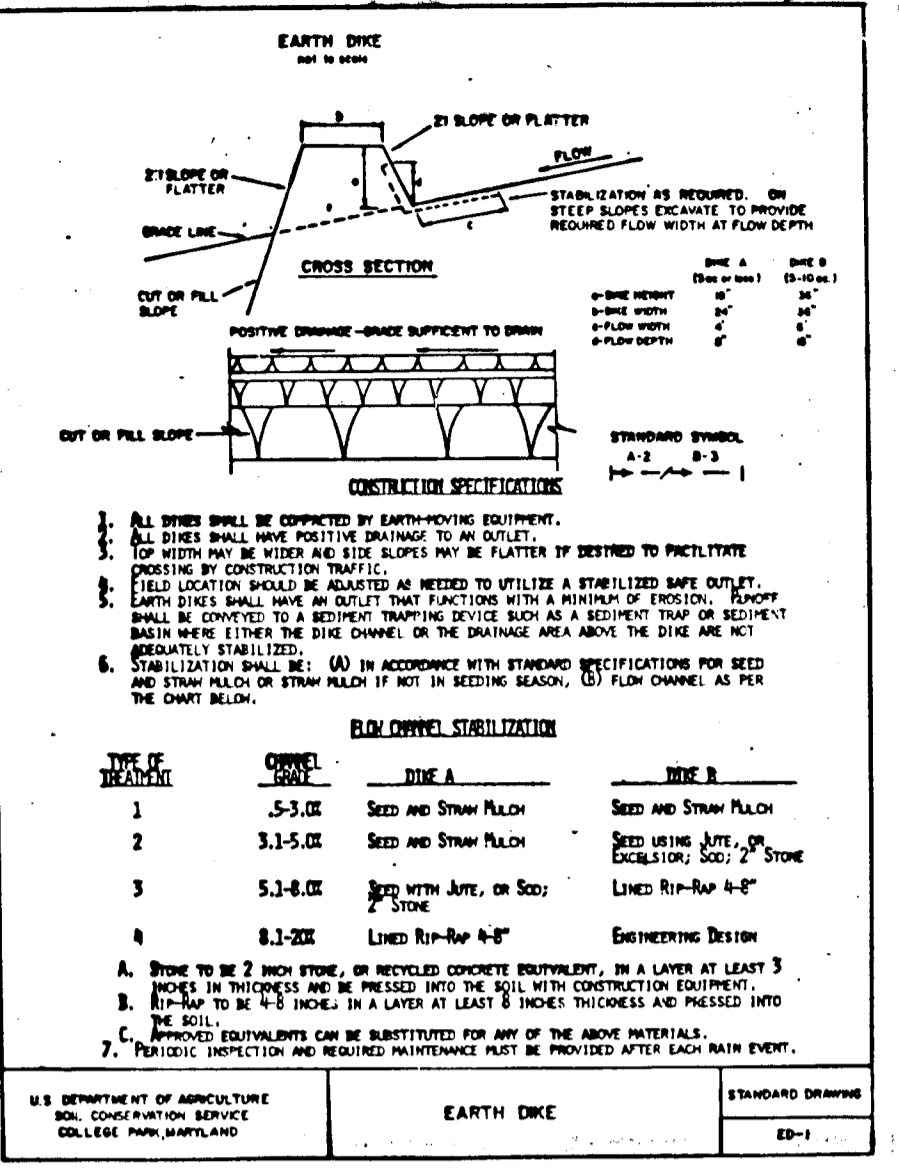
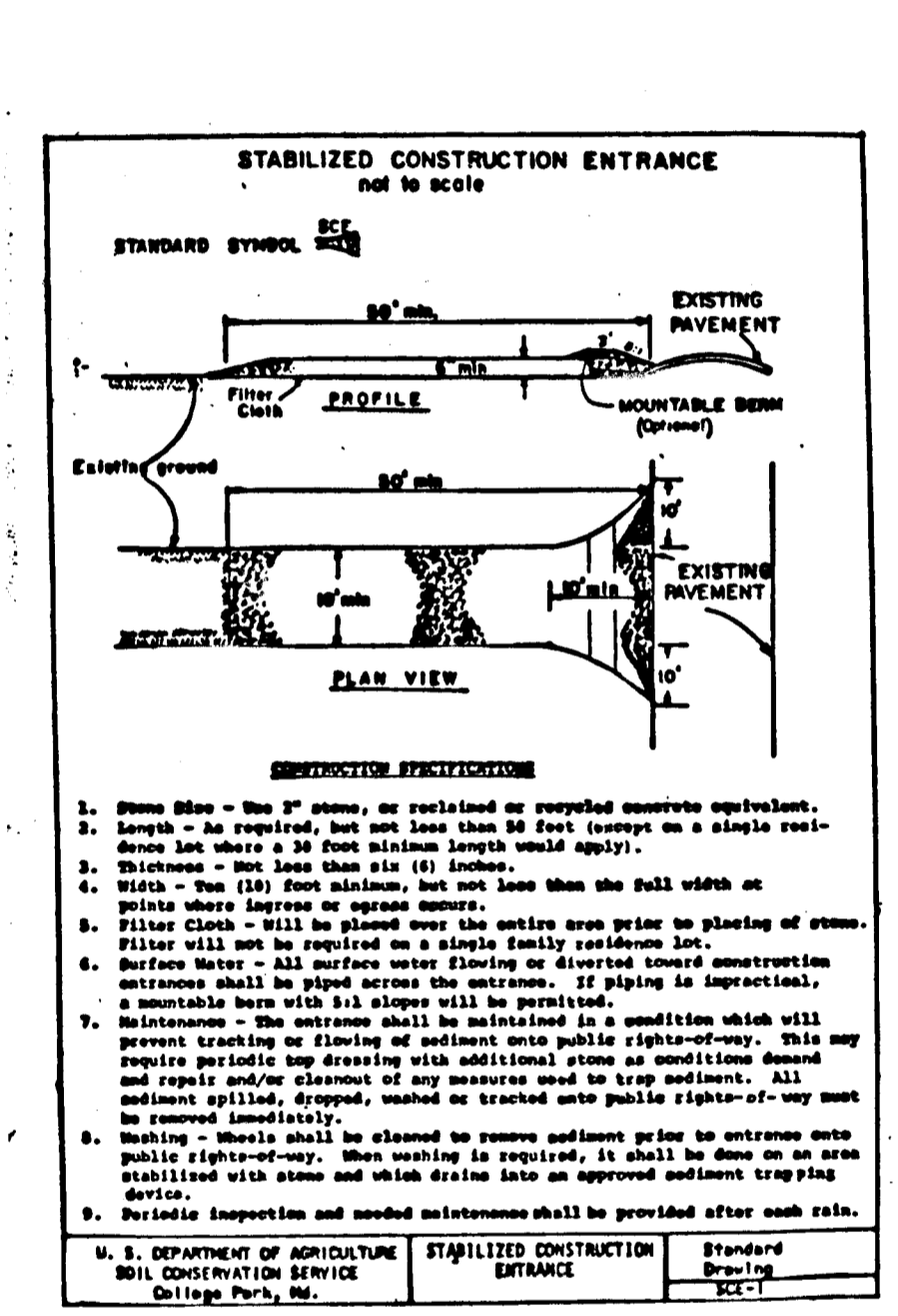


Table with 3 columns: TYPE OF SEEDING, SEEDING DATE, and SEEDING RATE. Includes notes on application methods and materials.

STANDARD AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION TEMPORARY SEEDING. Includes sections on Site Preparation, Soil Amendments, Seeding, and Mulching.

STANDARD AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION PERMANENT SEEDINGS. Includes sections on Site Preparation, Soil Amendments, Seeding, and Mulching.

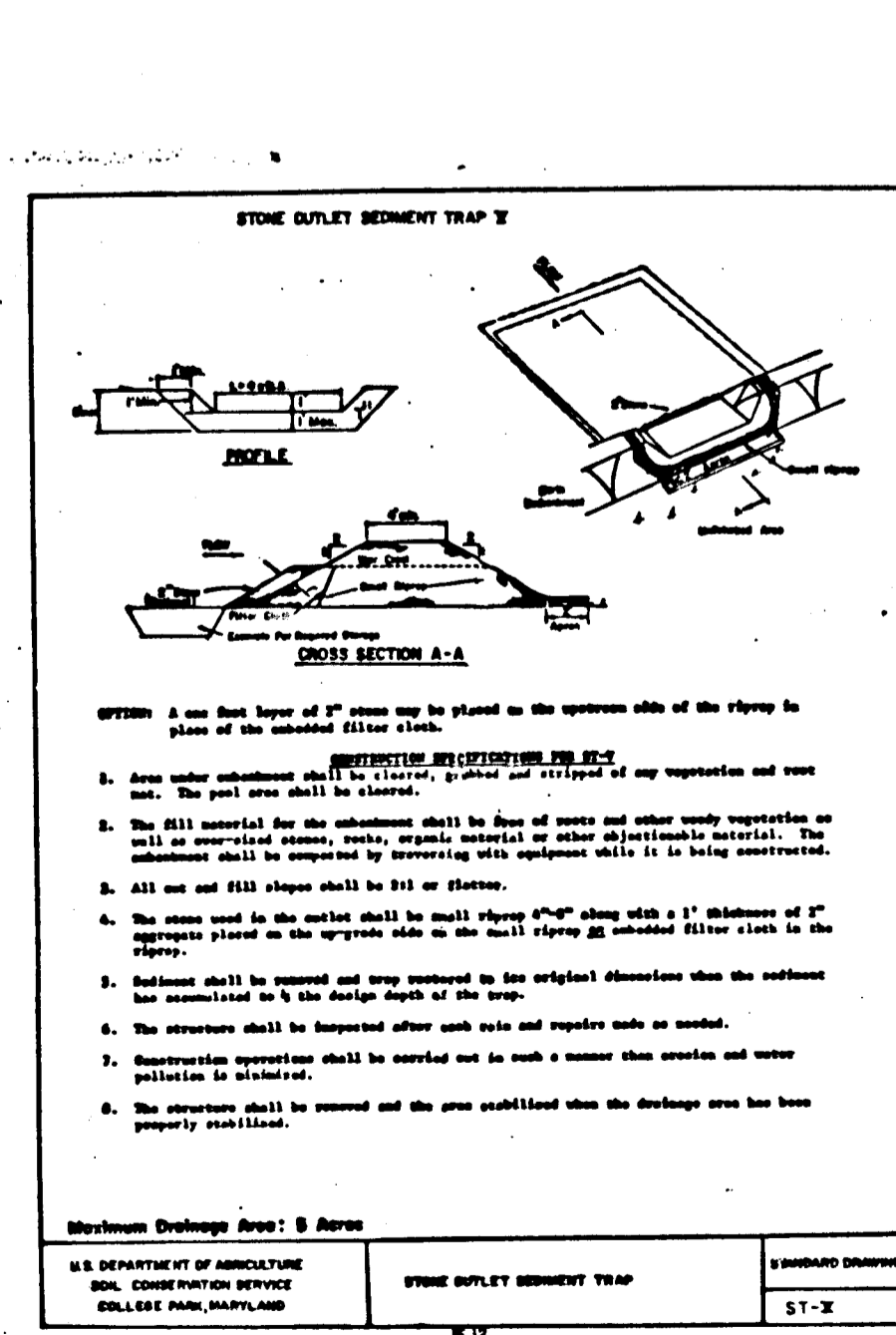
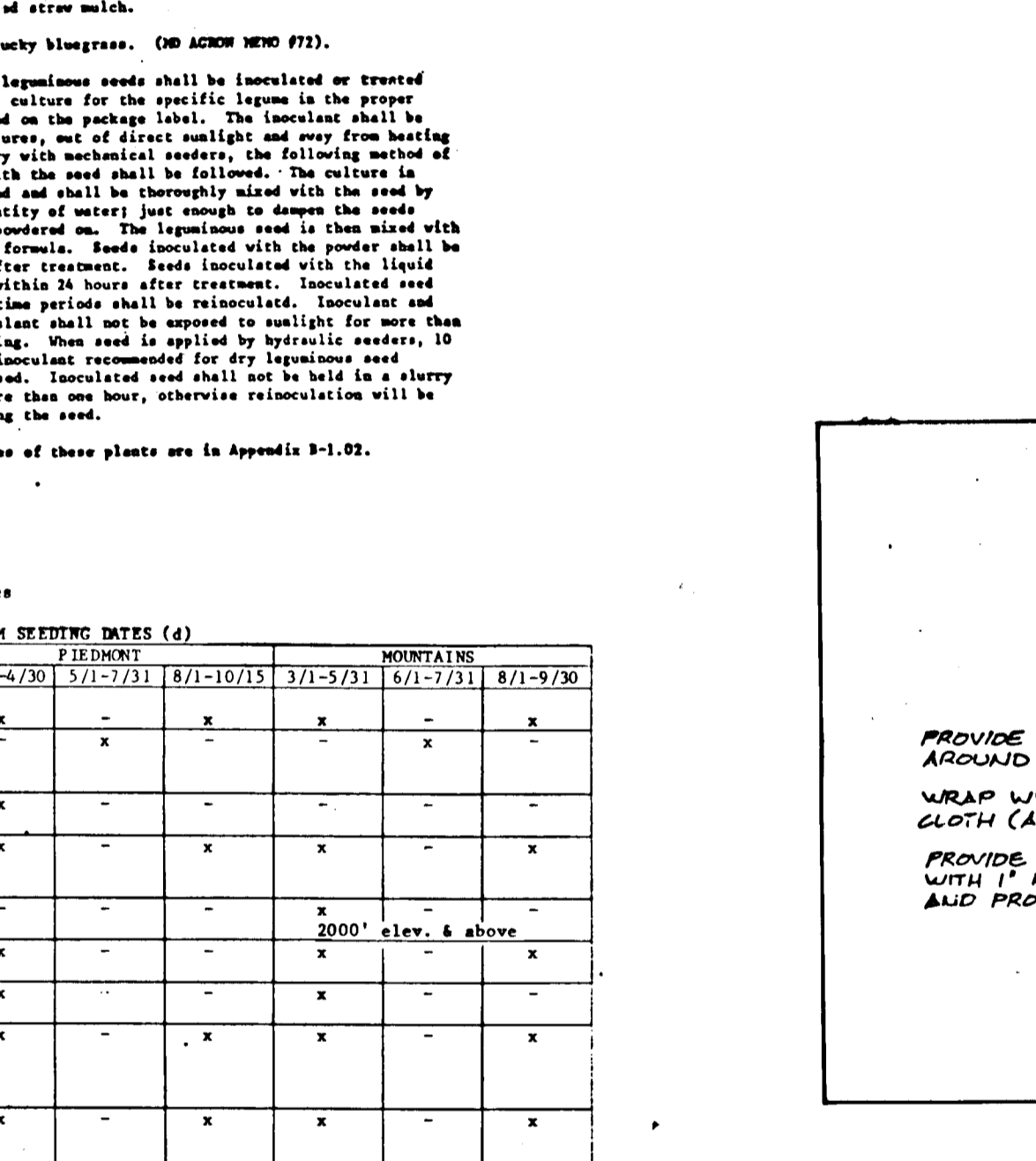
Table 51-1: Permanent Seeding and Seeding Dates. Columns include Seeding Mixture, Seeding Rate, and Seeding Dates for various months.



STABILIZED CONSTRUCTION ENTRANCE not to scale. Includes notes on construction details and materials.

STABILIZED CONSTRUCTION ENTRANCE not to scale. Includes notes on construction details and materials.

STABILIZED CONSTRUCTION ENTRANCE not to scale. Includes notes on construction details and materials.



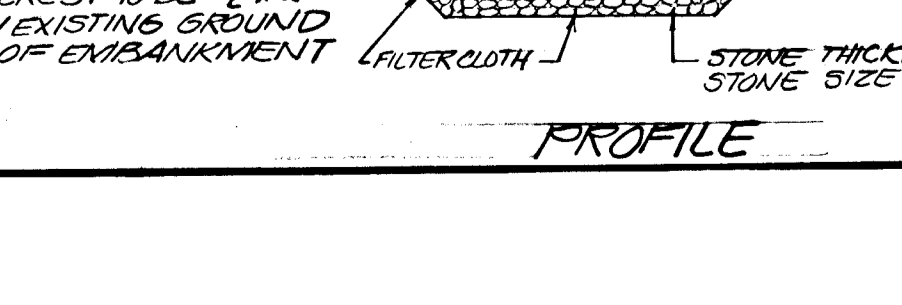
STONE OUTLET SEDIMENT TRAP. Includes notes on construction details and materials.

STONE OUTLET SEDIMENT TRAP. Includes notes on construction details and materials.

STONE OUTLET SEDIMENT TRAP. Includes notes on construction details and materials.

STONE OUTLET SEDIMENT TRAP. Includes notes on construction details and materials.

#1096



PROFILE. Includes notes on construction details and materials.

PROFILE. Includes notes on construction details and materials.

PROFILE. Includes notes on construction details and materials.

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING. Signature of Jim W. Murchman, 9-20-85.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. Signature of M. J. P. Jones, 9-19-85.

KIDDE CONSULTANTS, INC. ENGINEERS, LAND PLANNERS & SURVEYORS. 8101 SANDY SPRING ROAD / LAUREL, MD 20707.

ENGINEERS 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 is prepared in accordance with the requirements of the Howard Soil Conservation District.

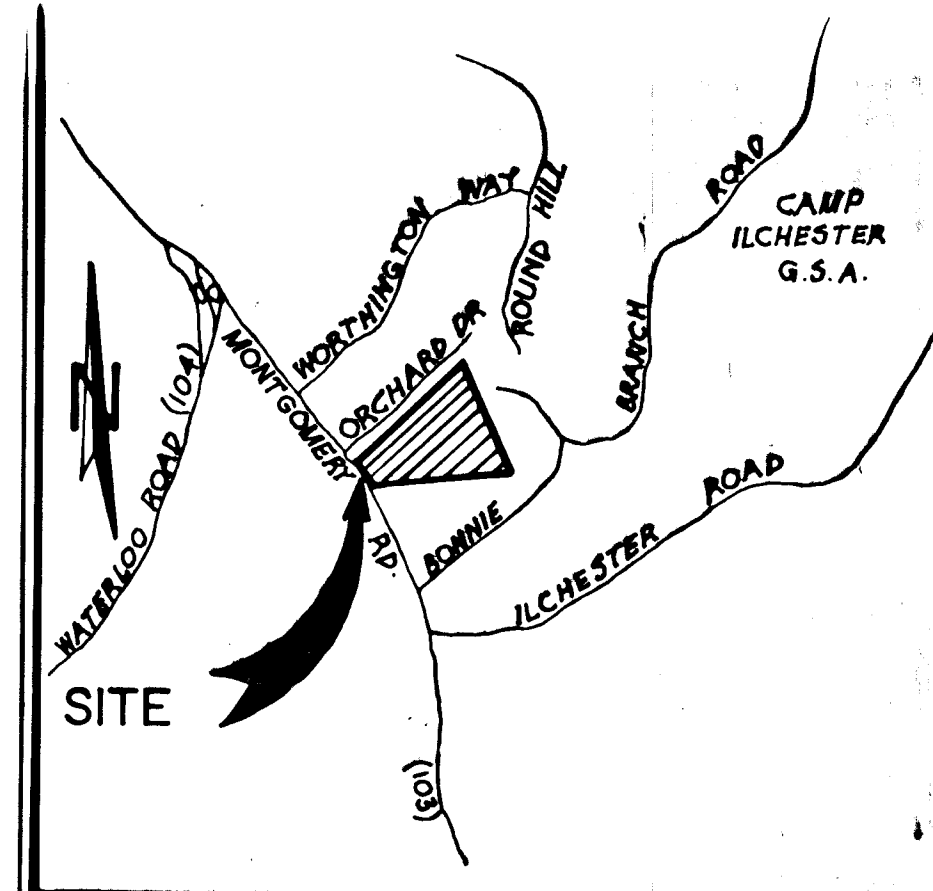
Signature of Robert May, Jr., dated 8/27/85.

DEVELOPER'S CERTIFICATE

I/we certified that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a certificate of attendance in the Dept. 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 or their authorized agents, as deemed necessary.

Signature of Stephen J. Fick, dated 9/16/85.

DATE April '85 SCALE As Shown



VICINITY MAP
SCALE: 1" = 2,000'



1" = 100'

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING		
<i>John Munchman</i>		9-20-85
Chief, Division of Land Development and Zoning Administration		
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
<i>James S. Ryan</i>		9-19-85
Chief, Bureau of Engineering		
DESIGNED	MVD	DRAINAGE AREA MAP
SCALE	AS SHOWN	
DRAWN	DLJ	STONE HILL FARM
DWG NO.	7 OF 7	
CHECKED	JK	SECTION 2 AREA 1
JOB NO.	00032	
DATE	4-1-85	FOR: STONE HILL FARM, INC. OWNER/DEVELOPER
FILE NO.	07	514 N. CHAM HIGHWAY GLEN BURNIE, MARYLAND 21061

EVANS, HAGAN & HOLDEFER, INC.

DATE	REVISION	BY	SURVEYORS AND CIVIL ENGINEERS
2/27/84	ROAD ALIGNED @ ENTRANCE TO RD'S	DLJ	
SURVEYED BY			
COMPUTED BY			
DRAWN BY			
CHECKED BY			
DATE			

1082 WEST ST / LAUREL, MD. 20707
782-8086

F-85-143

032-01-

#1096