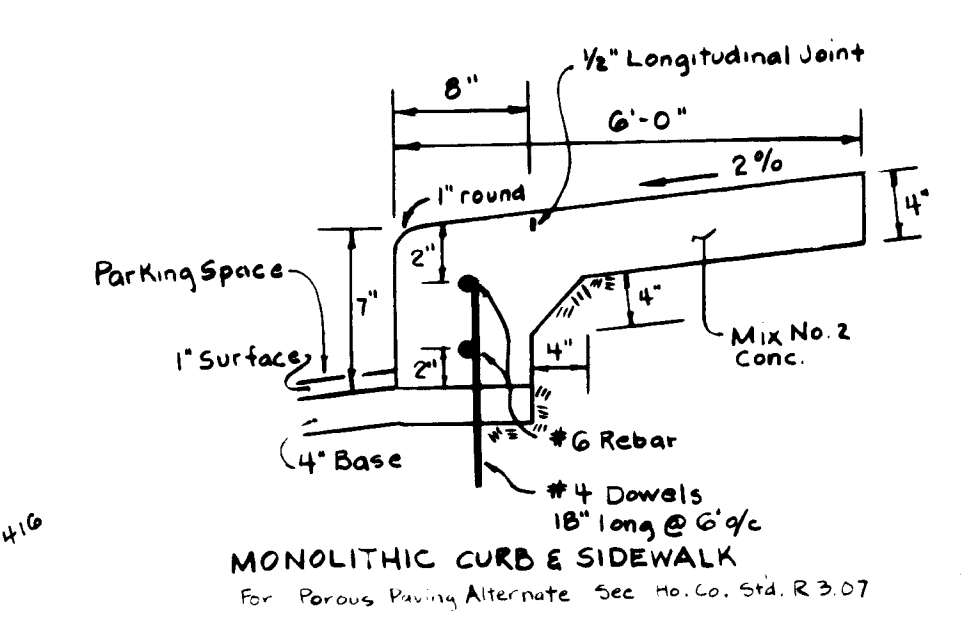


BY THE ENGINEER:
I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

B. E. Veendam
Boris E. Veendam
Professional Engineer
No. 11156
7/10/84
Date

BY THE DEVELOPER:
I 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.

Donna A. Kelly
Donna A. Kelly
7/10/84
Date



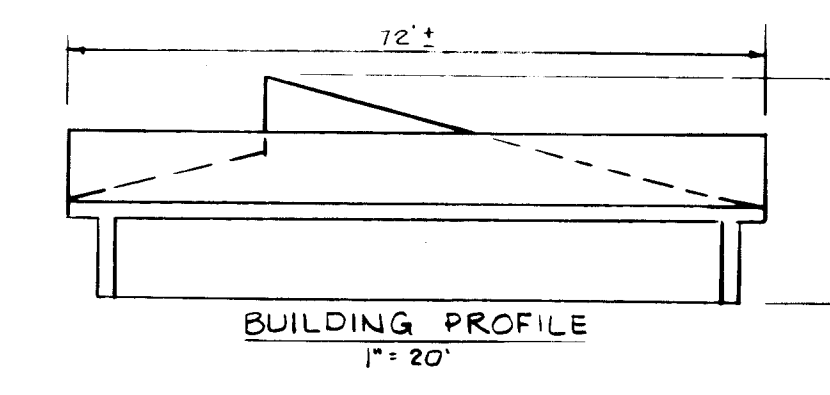
- SEQUENCE OF CONSTRUCTION**
- OBTAIN GRADING PERMIT. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 742-7272.
 - SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED.
 - ENTRANCE TO EXISTING PARKING LOT ON WEST SIDE OF PROPERTY TO BE BLOCKED OFF WITH TEMPORARY BARRIERS.
 - CONSTRUCT STORM DRAIN INCLUDING EXISTING INLET, S-1, STONE STORM WATER MANAGEMENT PIT, AND I-1.
 - BLOCK INLET (I-1).
 - PROCEED WITH SITE GRADING & BUILDING CONSTRUCTION.
 - STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADE HAS BEEN ACHIEVED.
 - UPON COMPLETION OF CONSTRUCTION, SEDIMENT CONTROL DEVICES SHALL BE REMOVED AND ALL DISTURBED AREAS SHALL BE STABILIZED.

- CONC. SIDEWALK**
Ho. Co. Std. R-305
- Sidewalk to be scribed in 5' max. squares.
 - Expansion joints not to be more than 15' apart.
 - 1/2" preformed bitum. capan. material in capan joints to be kept 1/4" below surface of sidewalk.

- PLANT LIST:**
- 3 LP Platanus acerifolia 2 1/2" - 3" CAL 12' - 14' hgt. B & B London Planetree
 - 8 JZ Zelkova serrata 2 1/2" - 3" CAL 12' - 14' hgt. Japanese Zelkova
 - 10 JBP Pinus thunbergii 2 - 2 1/2" CAL 6' - 8' hgt. Japanese Black Pine
 - 4 BP Pyrus calleryana 'Bradford' 2 1/2" CAL 6' - 8' hgt. Bradford Pear

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY DEPARTMENT OF NATURAL RESOURCES.

Howard
7-19-84
Signature
U.S. Soil Conservation Service



- SITE ANALYSIS**
- Disturbed Area - 0.76 Ac.
 - Impervious Area - 0.33 Ac.
 - Total Area - 0.57 Ac.
 - FDP # 100-A-II - 3054A-204
 - Plot # - 4247 & 4471
 - Prop. Bldg. Use - Day Care Center
 - Useable Area - 5350 sq. Ft.
 - Zoning - NT Commercial
 - Parking Spaces Req'd - 14 (incl. 1 HC)
 - Parking Spaces Provided - 14 (incl. 1 HC)
 - Building Coverage - 6507 sq. ft. = 26%

APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE 7-11-84
[Signature]

APPROVED: For Public Water and Public Sewerage and Storm Drainage Systems and Roads
Howard County Dept. of Public Works
Director *[Signature]* 7-30-84
Chief, Bur. of Eng. *[Signature]* 7/20/84

APPROVED: Howard County Office of Planning and Zoning
Planning Director *[Signature]* 8-2-84
Chief Div. of Land Dev. and Zoning Admin. *[Signature]* 8-2-84

APPROVED: For Public Water and Public Sewerage Systems, Howard County Dept. of Health and Mental Hygiene.
[Signature] 8-2-84
County Health Officer

ADDRESS CHART		Subdivision Name		Sect./Area	Lot/Parcel #	Owner/Developer
Village of Hickory Ridge, Columbia		Village of Hickory Ridge, Columbia		1/1	12-A	White Water Assoc. Inc. Suite 300 Wilde Lake Village Green Columbia, Md. 21044
Lot No.	Street Address	Plot # or L/F	Block #	Zone	Tax/Zoning Map	Elect. Dist.
12-A	6125 Sunny Spring	4471	11	NT-COM	35	5
						Census Tr. 6053.02
						Water Code
						Sewer Code

revisions		
no.	description	date
1.	CHANNELED FENCE DETAILS	7/10/84

prepared by
RBA
ENGINEERS • ARCHITECTS • PLANNERS
WILDE LAKE VILLAGE GREEN, SUITE 207
COLUMBIA, MARYLAND 21044
301/730-7950 596-3524

SITE PLAN
LOT 12-A
Village of Hickory Ridge, Section I, Area I
Columbia
5th Election District, Howard County, Md.
Rec. Ref. Plot No. 4247

SCALE 1" = 20'	
DRAWN MK	CHECKED JH
PROJ. NO. 4585	DATE 4-26-84
1 SHEET	2 OF

SDP-84-270c

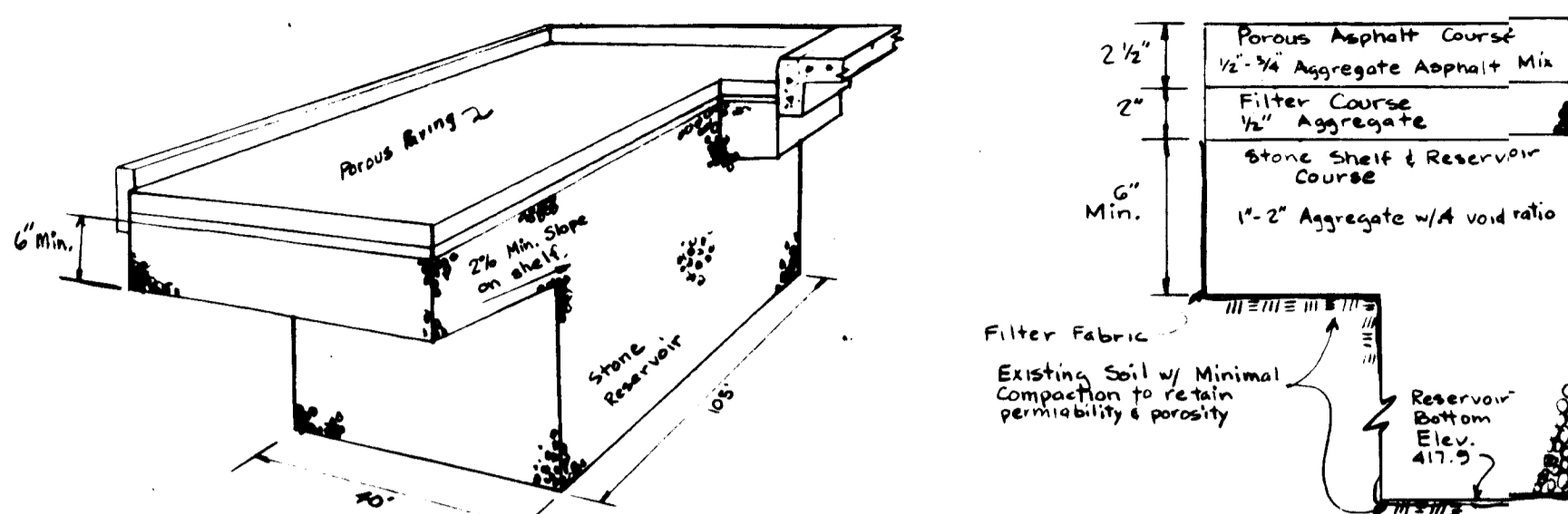
SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSIDERED FROM THE START OF ANY WORK, UNDER 192-14.13.
2. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY GRADING OR EXCAVATION WORK BEGINS OPERATING FROM THE BUREAU OF INSPECTION AND PERMITS, UNDER 192-14.13.
3. NOTIFY THE BUREAU OF INSPECTION AND PERMITS AT LEAST 24 HOURS BEFORE THE START OF ANY WORK, UNDER 192-14.13.
4. CONTINUED INSPECTION AND MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE DEVELOPER.
5. ALL SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND AS SHOWN AND DETAILED IN THESE PLANS.
6. SEED OR SOIL ALL EXPOSED SOIL IN GRADDED AREAS WITHIN 72 HOURS OF GRADING TO FINISHED GRADE IN ACCORDANCE WITH HOWARD SOIL CONSERVATION DISTRICT STANDARDS AND SPECIFICATIONS AND THESE NOTES.
7. TEMPORARY SEEDING:
 - GROUND LIME/STONE - 3500 LBS/ACRE WORKED INTO TOP 3" OF SOIL
 - FERTILIZER - 100 LBS/ACRE (10-10-10)
 - SEED - 100 LBS/ACRE (GRASS PREFERRED)
 - SEED - 100 LBS/ACRE (LEGUMES)
 - ALTERNATE - ACTUALLY SEED AT THE RATE OF 1 GAL/1000 SQ FT OF SOIL TO BE SEED AND MULCH USING THE PLAN OR APPROVED EQUAL.
8. PERMANENT SEEDING:
 - GROUND LIME/STONE - 2000 LBS/ACRE WORKED INTO TOP 3" OF SOIL
 - FERTILIZER - 100 LBS/ACRE (10-10-10)
 - SEED - 50 LBS/ACRE (31 TALL FESCUE)
 - SEED - 50 LBS/ACRE (TALL FESCUE)
 - SEEDING RATE - 100 LBS/ACRE (TALL FESCUE)
 - SEEDING RATE - 150 LBS/ACRE (TALL FESCUE)
 - SEEDING RATE - 150 LBS/ACRE (TALL FESCUE)
 - ALTERNATE - ACTUALLY SEED AT THE RATE OF 1 GALLON PER ACRE OF SEED AND MULCH USING THE PLAN OR APPROVED EQUAL.
9. NO LAWN SLOPES SHALL BE STEEPER THAN 2:1.

Reviewed for S.C.D. and meets technical Requirements.

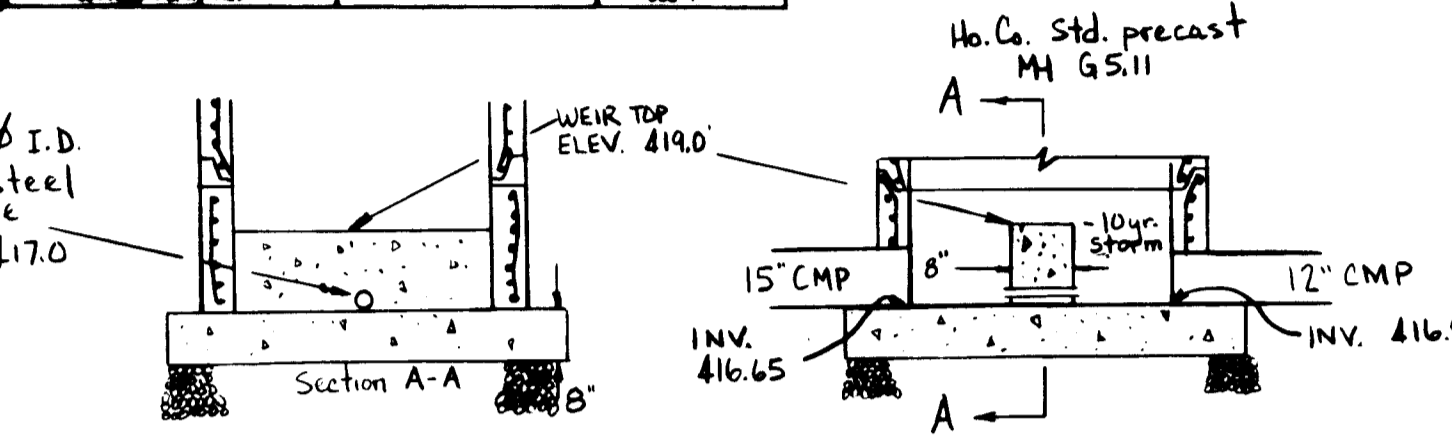
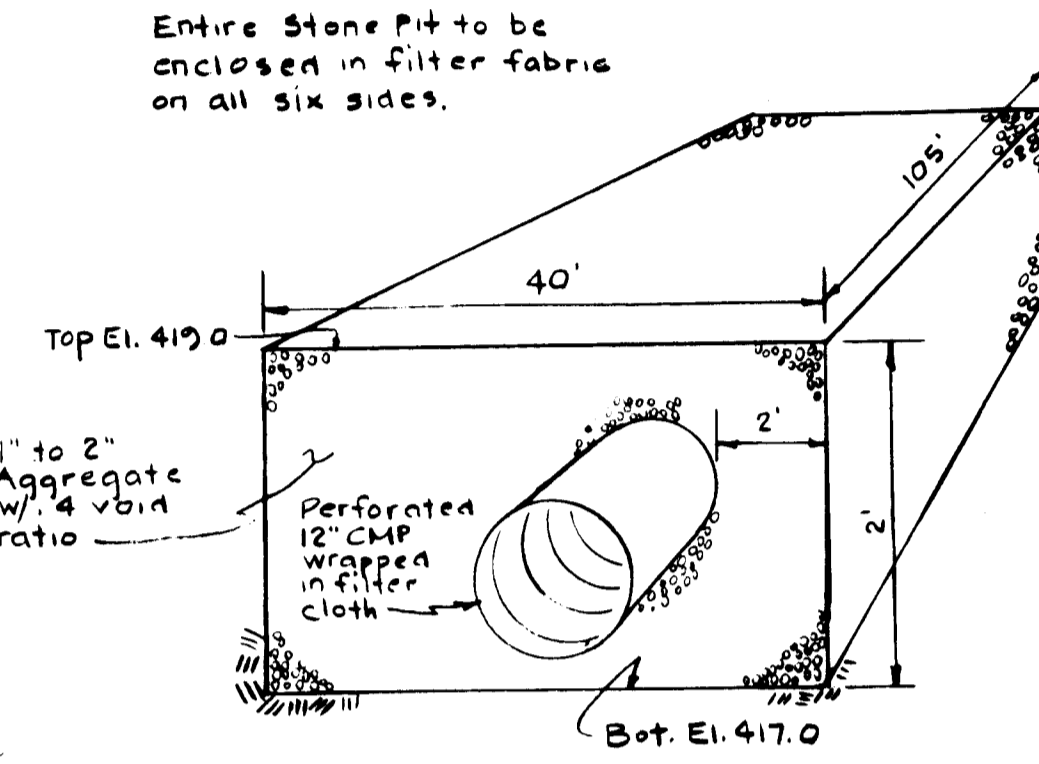
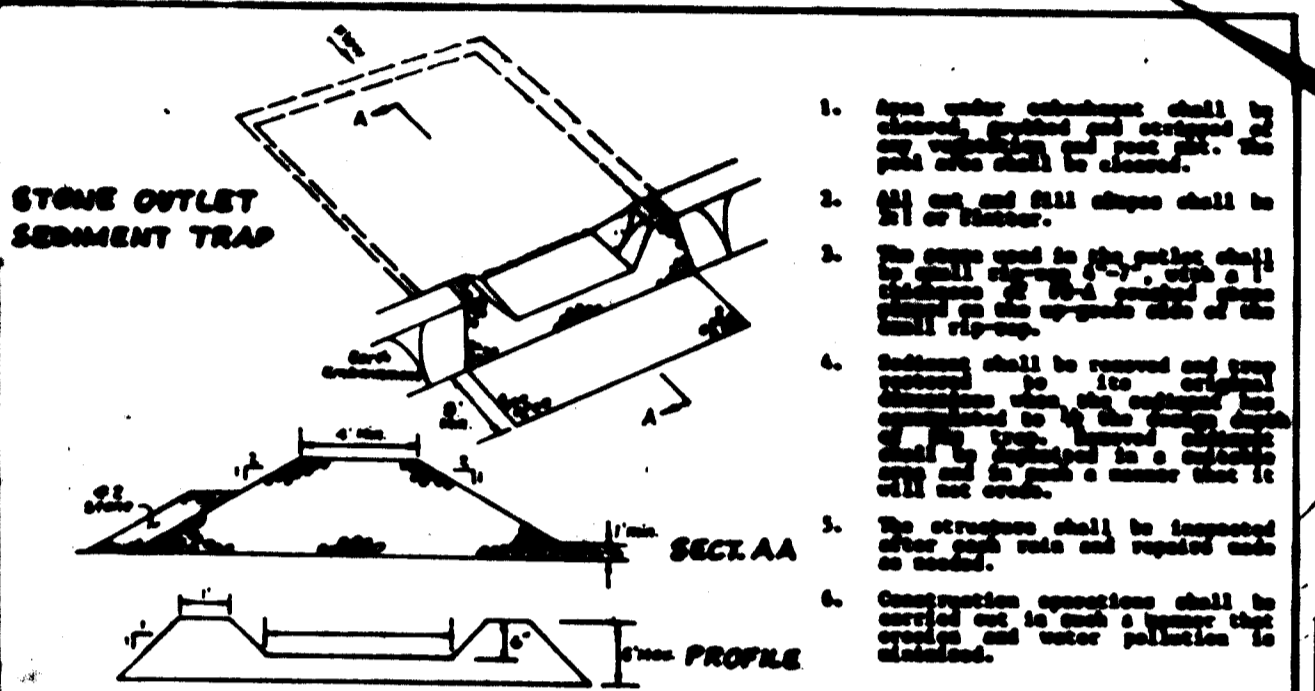
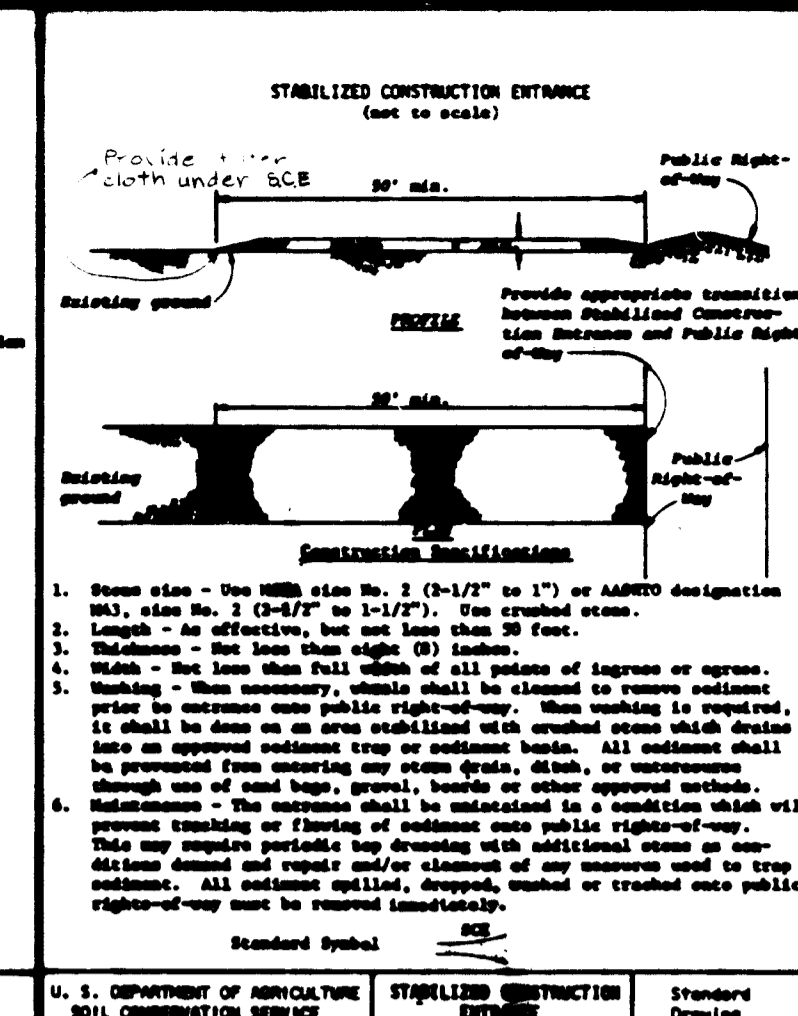
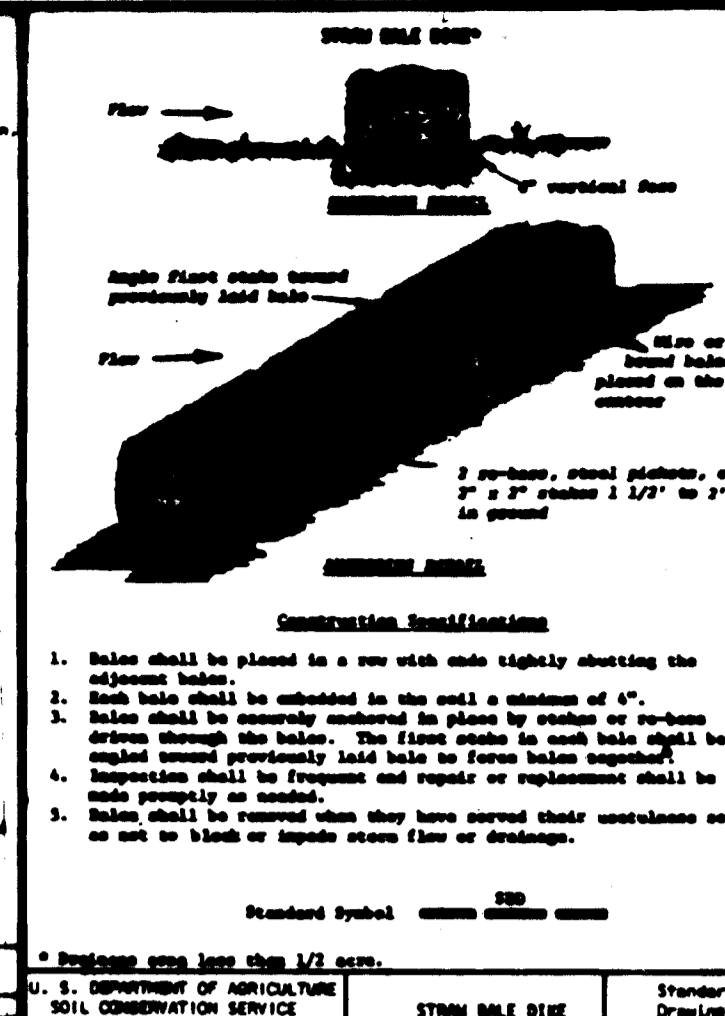
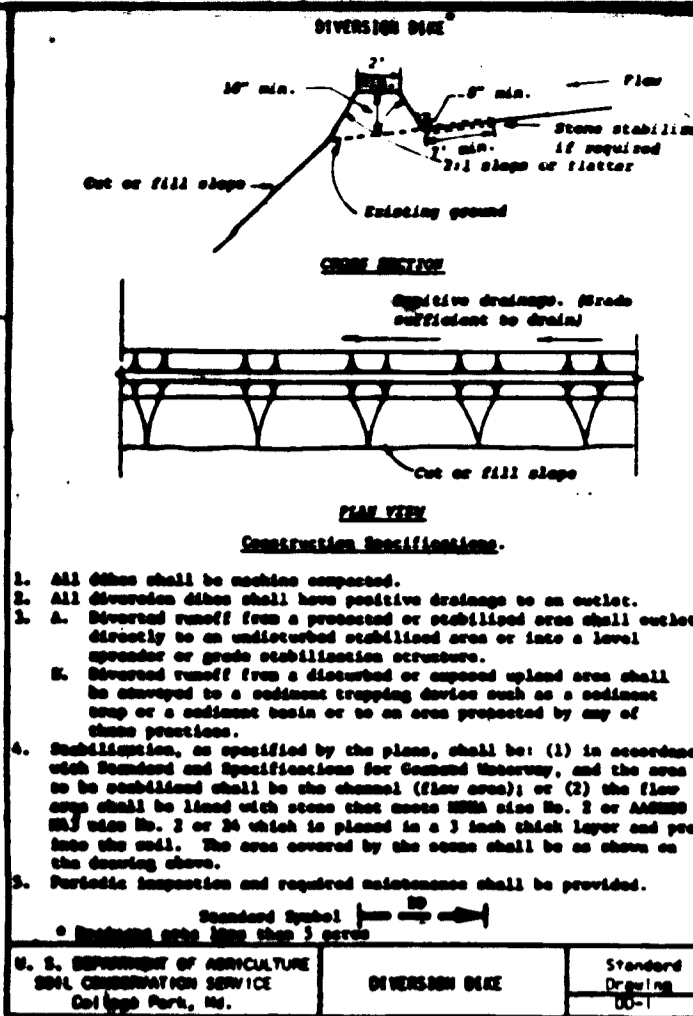
This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District

U.S. Soil Conservation Service DATE Howard S.C.D. DATE

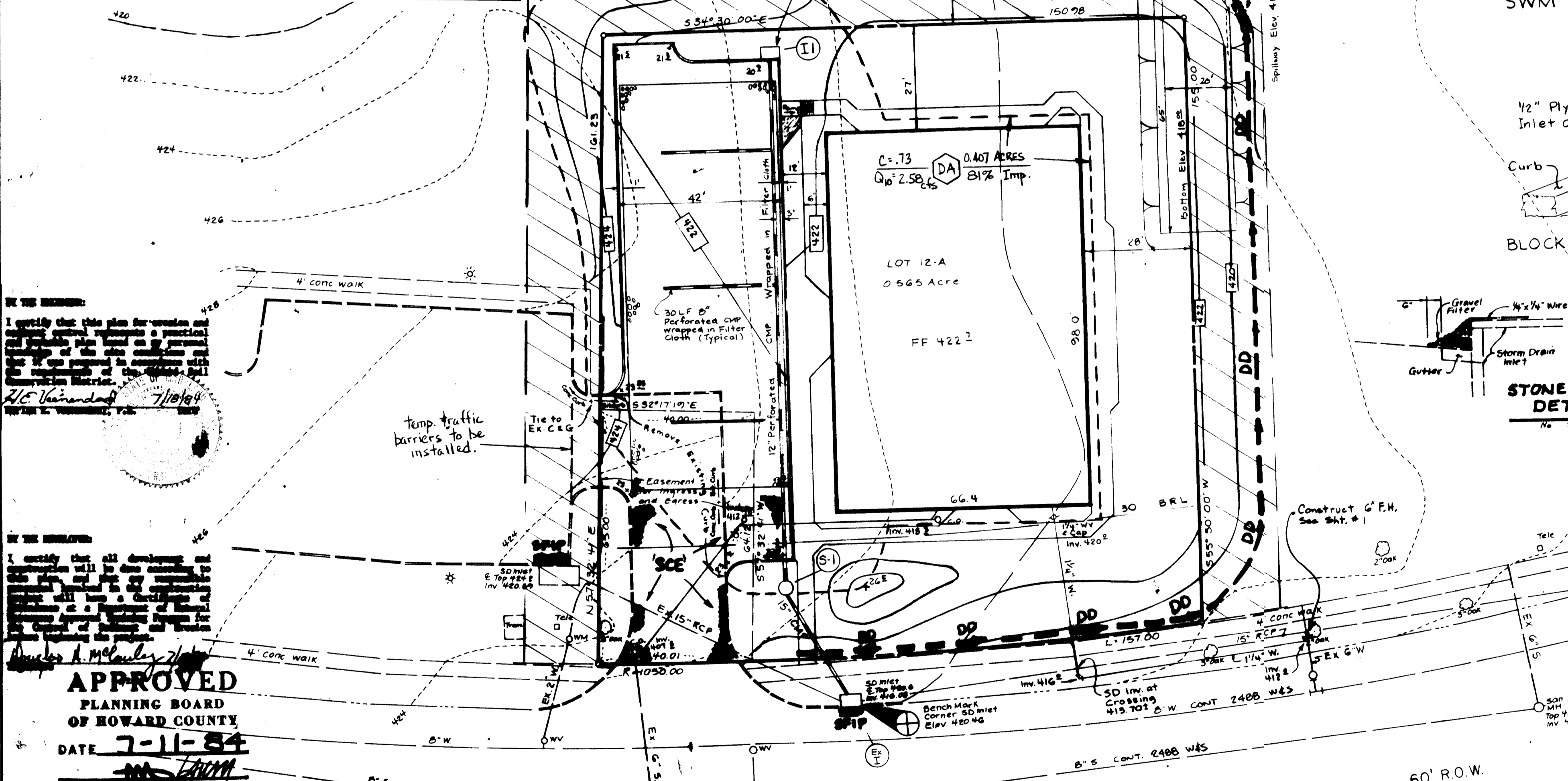


Note: Drainage Structures I-I & J-J are not constructed if this alternate is used. CMP is also eliminated. This is an infiltration system to be constructed in accordance with "Standards & Specifications for Infiltration Practices," Maryland D.N.R., Water Resources Administration.

POROUS PAVEMENT ALTERNATE
NO SCALE



S.W.M. MANHOLE MODIFICATION DETAIL
: no scale



I certify that this plan for construction of the storm drainage system and sediment control measures shown hereon is in accordance with the standards and specifications of the Howard Soil Conservation District and the Department of Agriculture, Maryland, and that the same have been prepared by a duly licensed Professional Engineer.

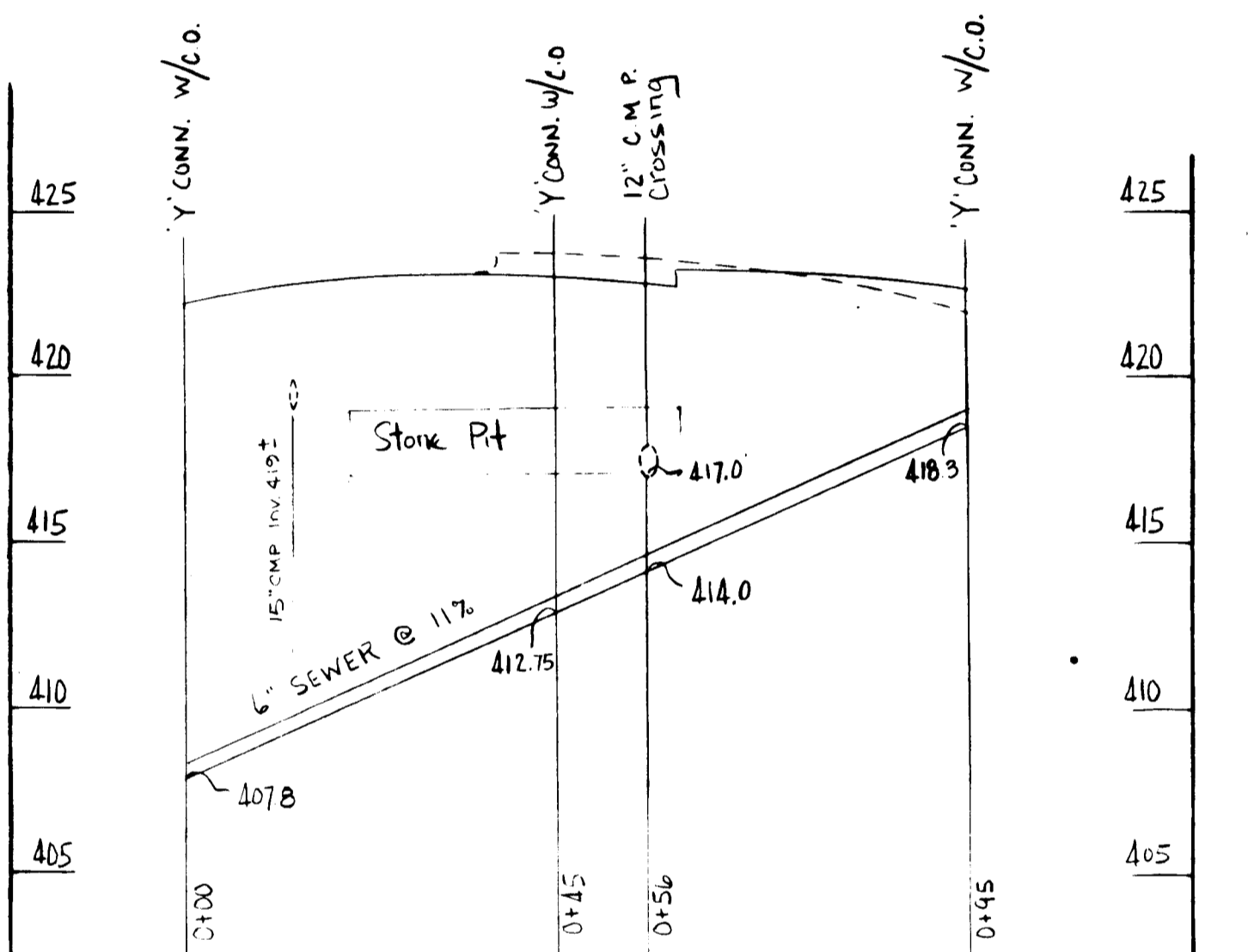
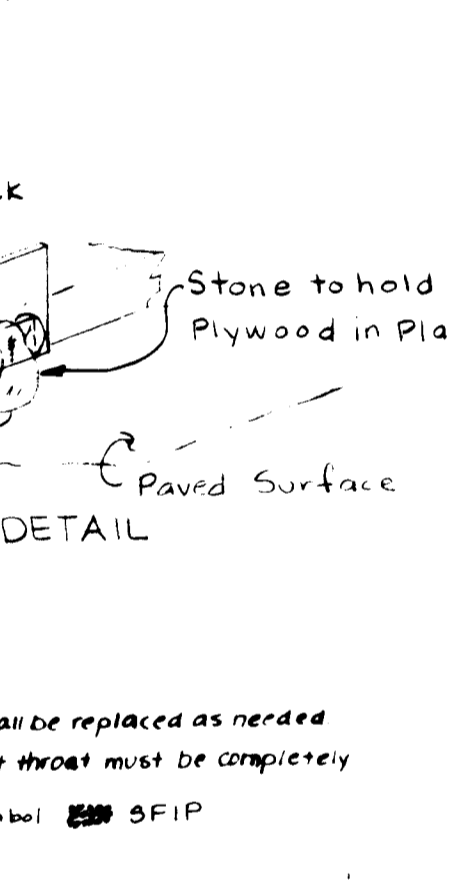
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 7-11-84

APPROVED: For Public Water and Public Sewerage and Storm Drainage Systems and Roads
Howard County Dept of Public Works
Director: [Signature] 7-30-84
Chief, Bur of Eng: [Signature] 7/10/84

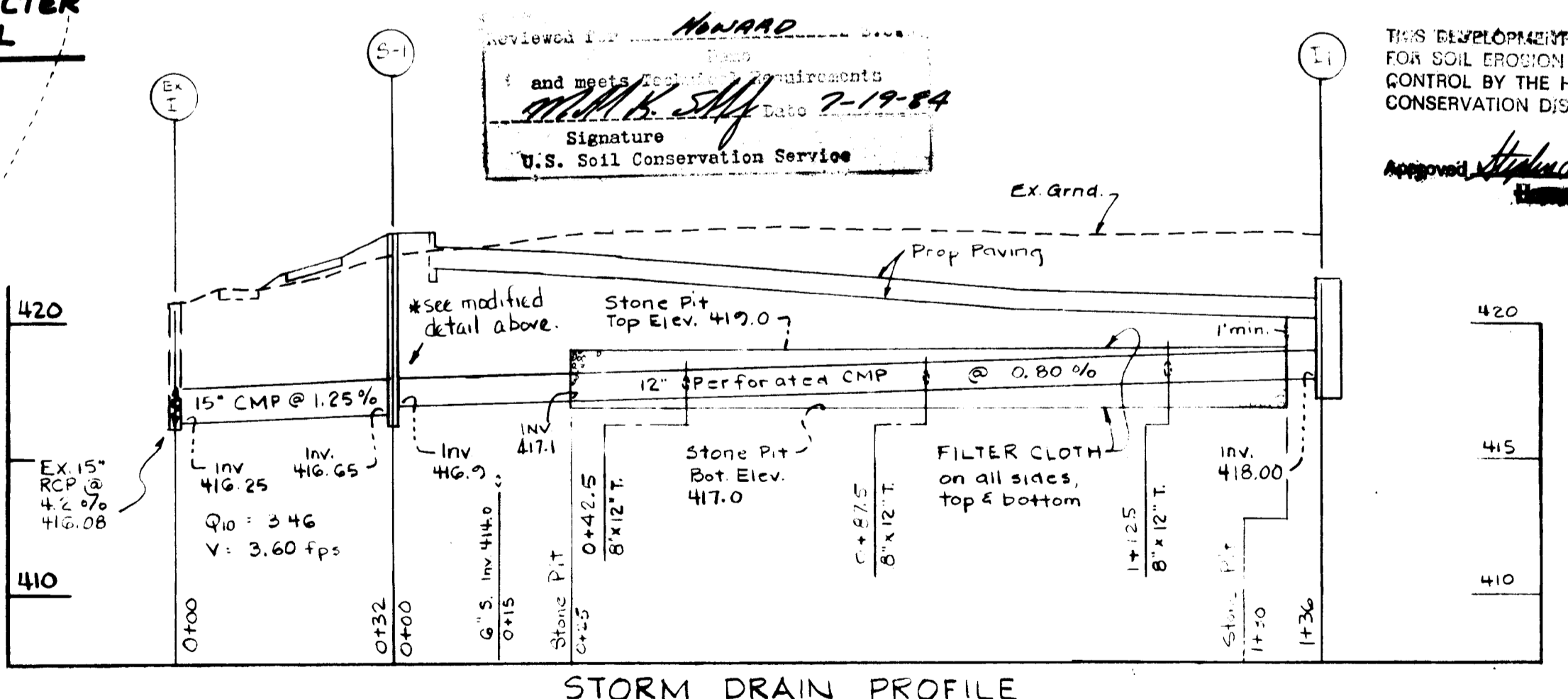
APPROVED: Howard County Office of Planning and Zoning
[Signature] 8-3-84
Chief, Div. of Land Dev. and Zoning Admin: [Signature] 8/3/84

ADDRESS CHART		Subdivision Name		Sect./Area		Lot/Parcel #		Owner/Developer	
Village of Hickory Ridge, Columbia		1/1		Lot 12-A		White Water Assoc. Inc.		Suite 300 Wide Lake Village Green Columbia, Md. 21044	
Lot No.	Street Address	Plot # or W/P	Block #	Zone	Tax/Zone Map	Elect. Dist.	Census Tr.		
12-A	6185 Sunny Spring	4471	11	NT-COM	55	5	6083.02		
		Water Code		Sewer Code					

STONE FILTER DETAIL
No Scale



6\"/>



STORM DRAIN PROFILE
Scale: Vert. 1"=5'
Horiz. 1"=20'

Reviewed for S.C.D. and meets technical Requirements
Signature: [Signature]
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved: [Signature] 7-19-84

no.	description	date	prepared by	SCALE								
			RBA ENGINEERS - ARCHITECTS - PLANNERS WILDE LAKE VILLAGE GREEN, SUITE 207 COLUMBIA, MARYLAND 21044 301/730-7950 596-3524	1"=20'								
STORM DRAIN, SEDIMENT CONTROL WATER & SEWER, DRAINAGE AREA, & DETAILS LOT 12-A Village of Hickory Ridge, Section I, Area I Columbia 5th Election District, Howard County, Md Rec. Ref. Plat No. 4247				<table border="1"> <tr> <td>DRAWN MK</td> <td>CHECKED JH</td> </tr> <tr> <td>PROJ. NO. 4585</td> <td>DATE 4-26-84</td> </tr> <tr> <td>2</td> <td>2</td> </tr> <tr> <td>SHEET</td> <td>OF</td> </tr> </table>	DRAWN MK	CHECKED JH	PROJ. NO. 4585	DATE 4-26-84	2	2	SHEET	OF
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