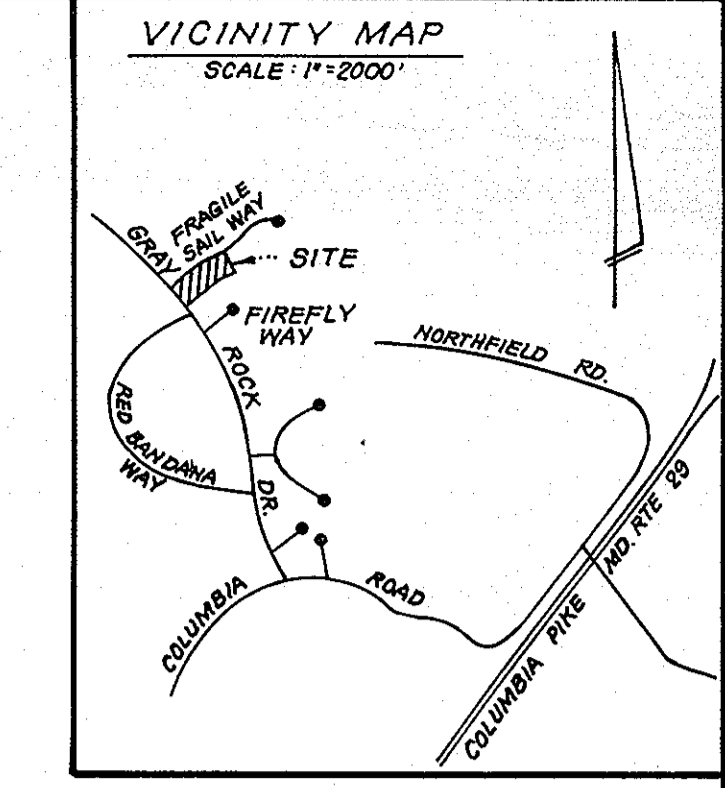


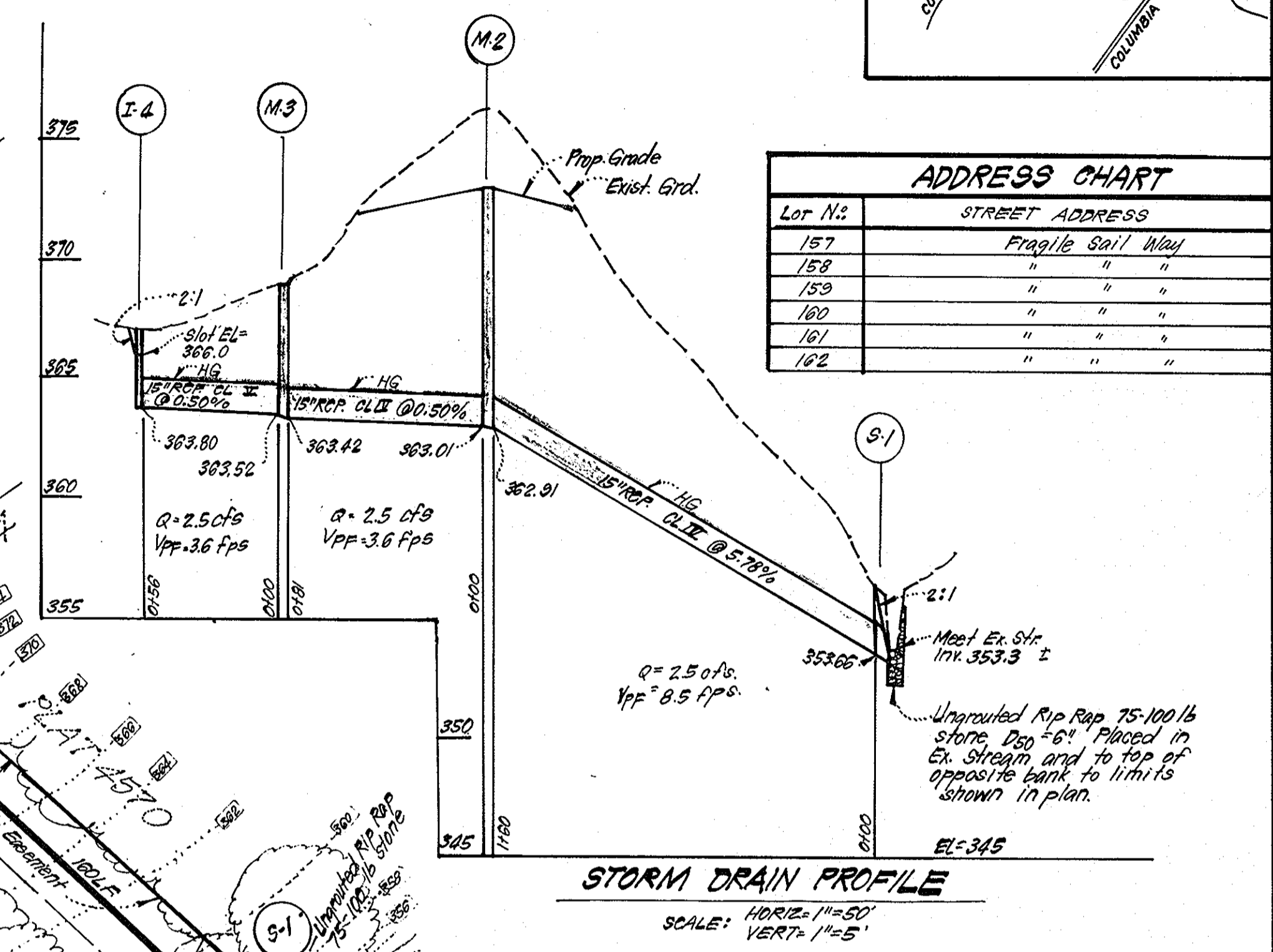
- LEGEND:**
1. Contour Interval
 2. Existing Contour
 3. Proposed Contour
 4. Spot Elevation
 5. Direction of Drainage
 6. Walk-Out - Basement
 7. Exist. Trees to be retained
 8. Proposed Storm Drainage

- GENERAL NOTES:**
1. The land included in this plan is zoned: R-20
 2. Coordinates shown are extensions made from Maryland State Plane Coordinate system. Bearings refer to true north and are based on Maryland Bureau of Control surveys Point 'Columbia Reser' 1966!
 3. The area shown is located on Tax Map # 24.
 4. The total area included on this plan is 2.34 Acres.
 5. All roadways are public & existing.
 6. Any change to utility owned rights of way shall be corrected at the developer's expense.
 7. Total number of lots: 6.



ADDRESS CHART

LOT NO.	STREET ADDRESS
157	FRAGILE SAIL WAY
158	" " "
159	" " "
160	" " "
161	" " "
162	" " "



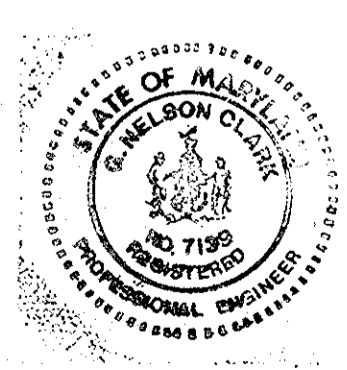
PIPE SCHEDULE

SIZE	TYPE	LENGTH
15"	RCP CL# 1	241 LF
15"	RCP CL# 2	56 LF

STRUCTURE SCHEDULE

NO.	TYPE	INV. IN	INV. OUT	TOP ELEVATION		REMARKS
				UPPER	LOWER	
S-1	Concrete End Section	353.66	353.37	-	-	Ho. Co. Std. SD 5.51 Dia 15"
M-2	Brick Manhole	363.01	362.97	373.0	-	G. S. O. 1 48" DIA.
M-3	Brick Manhole	363.52	363.42	369.0	-	G. S. O. 1 48" DIA.
S-4	D-1 Inlet	-	363.80	366.83	-	SD 4.11 W-2' 6"

- STORM DRAIN NOTES:**
1. All storm drainage shall be constructed in accordance with the latest details and specifications of Ho. Co. & Md. Sta.
 2. Types of storm drain structures refer to Standard Details of Howard County and Maryland State Highway Administration.
 3. Trench compaction per storm drains shall be in accordance with Ho. Co. Design Manual, Volume II.
 4. Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevation of the mains, by digging test pits, in advance of all utility crossings, well in advance of construction.
 5. All utility companies shall be notified 24 hrs. in advance of construction.
 6. Class 'C' trench bedding shall be utilized. See Ho. Co. Std. G-2.01 trench in earth.



ENGINEER'S CERTIFICATE

I hereby 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.

G. Nelson Clark
Date: 12-21-83

DEVELOPER'S/OWNER'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 inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

HARRY L. LUNDY
Date: 9-6-83

ADDRESS CHART

LOT NO.	STREET ADDRESS
157	4024 FRAGILE SAIL WAY
158	4028 " " "
159	4032 " " "
160	4036 " " "
161	4040 " " "
162	4044 " " "

Reviewed for: Howard S.C.D.
Name: Howard S.C.D.
Signature: Howard S.C.D.
Date: 1-11-84
U.S. Soil Conservation Service

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

Approved: [Signature] Date: [Blank]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

1-19-84

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

1-20-84

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

1-17-84

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION, HOWARD COUNTY, MARYLAND

DATE: 12-15-83

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

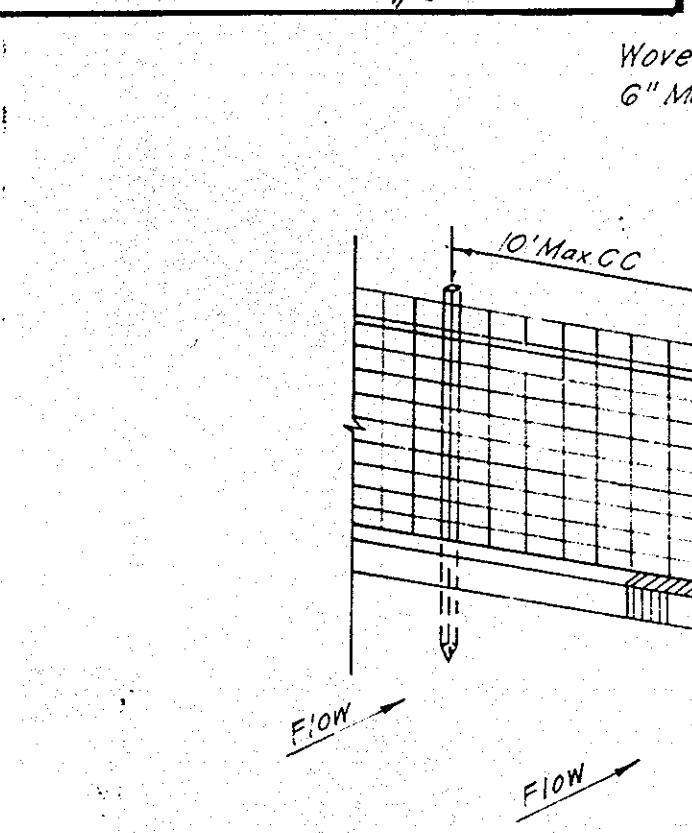
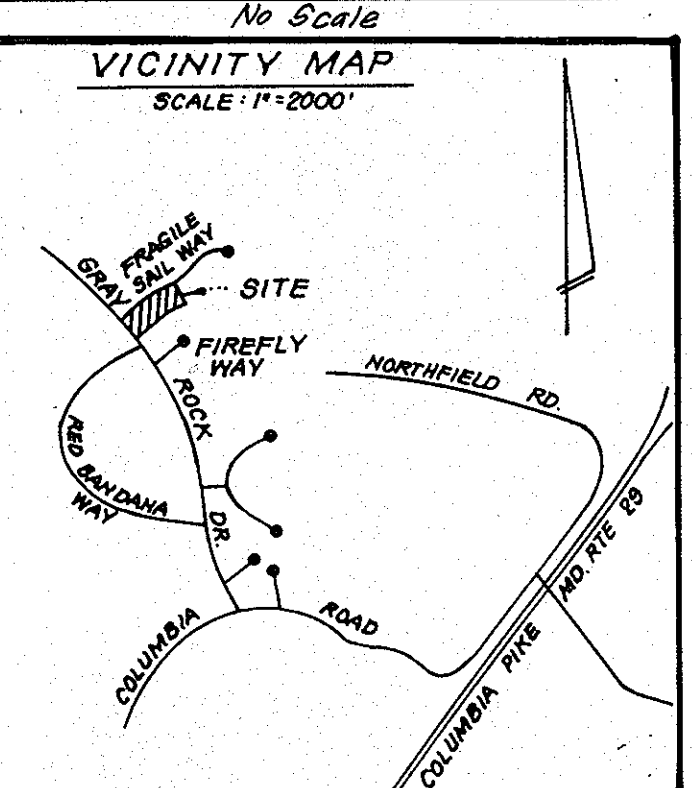
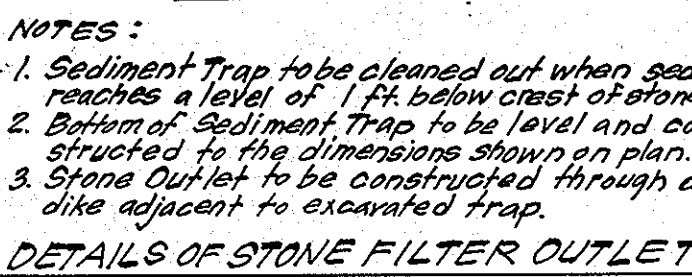
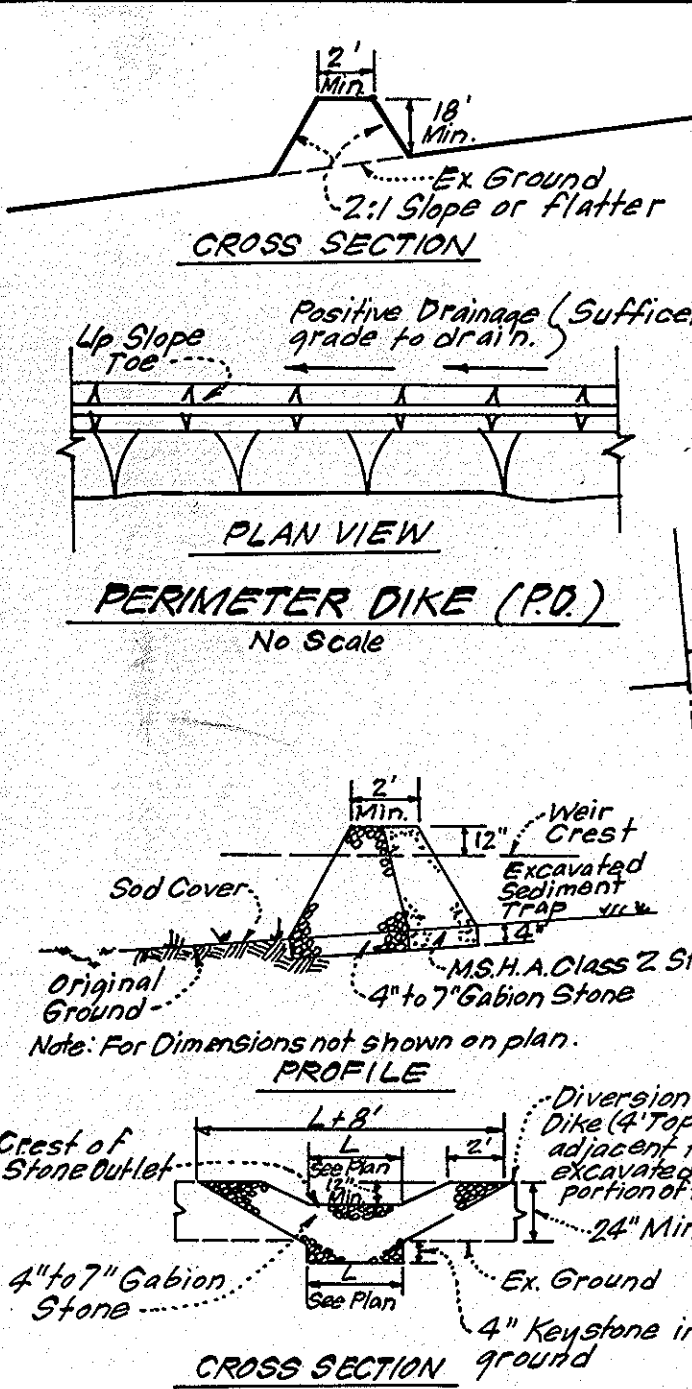
DESIGNED	SCALE
VME	1"=30'
DRAWN	DRAWING
KW	10#2
CHECKED	JOB NO.
VME	83-035
DATE	FILE NO.
11-23-83	83-035-X

SITE DEVELOPMENT PLAN
LOTS 157 THRU 162
DORSEY HALL

SECTION 1 AREA 4
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: LINDY & CLARK BUILDERS INC.
11005 LITTLE PARKWAY PARKWAY
COLUMBIA, MARYLAND 21044

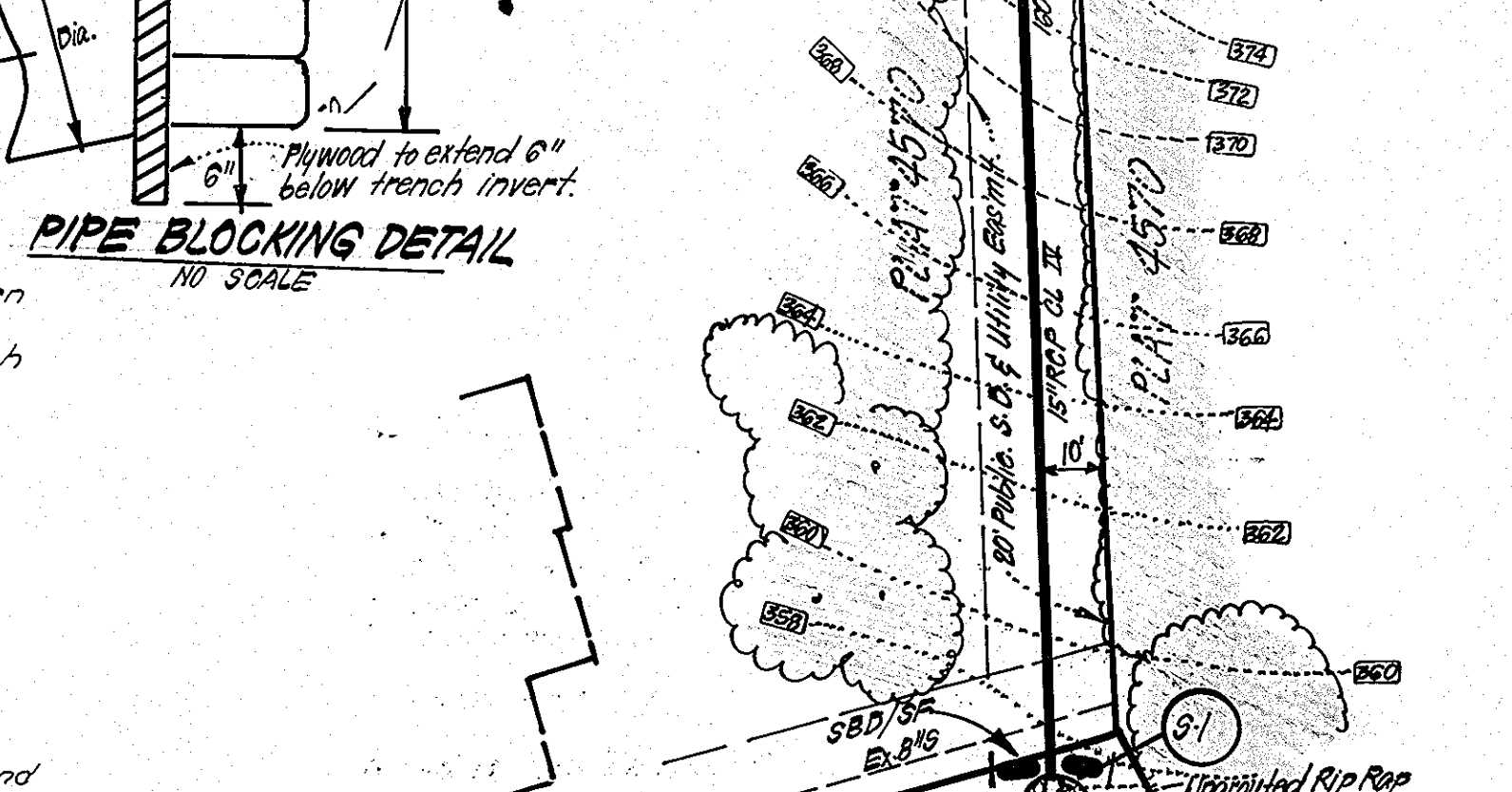
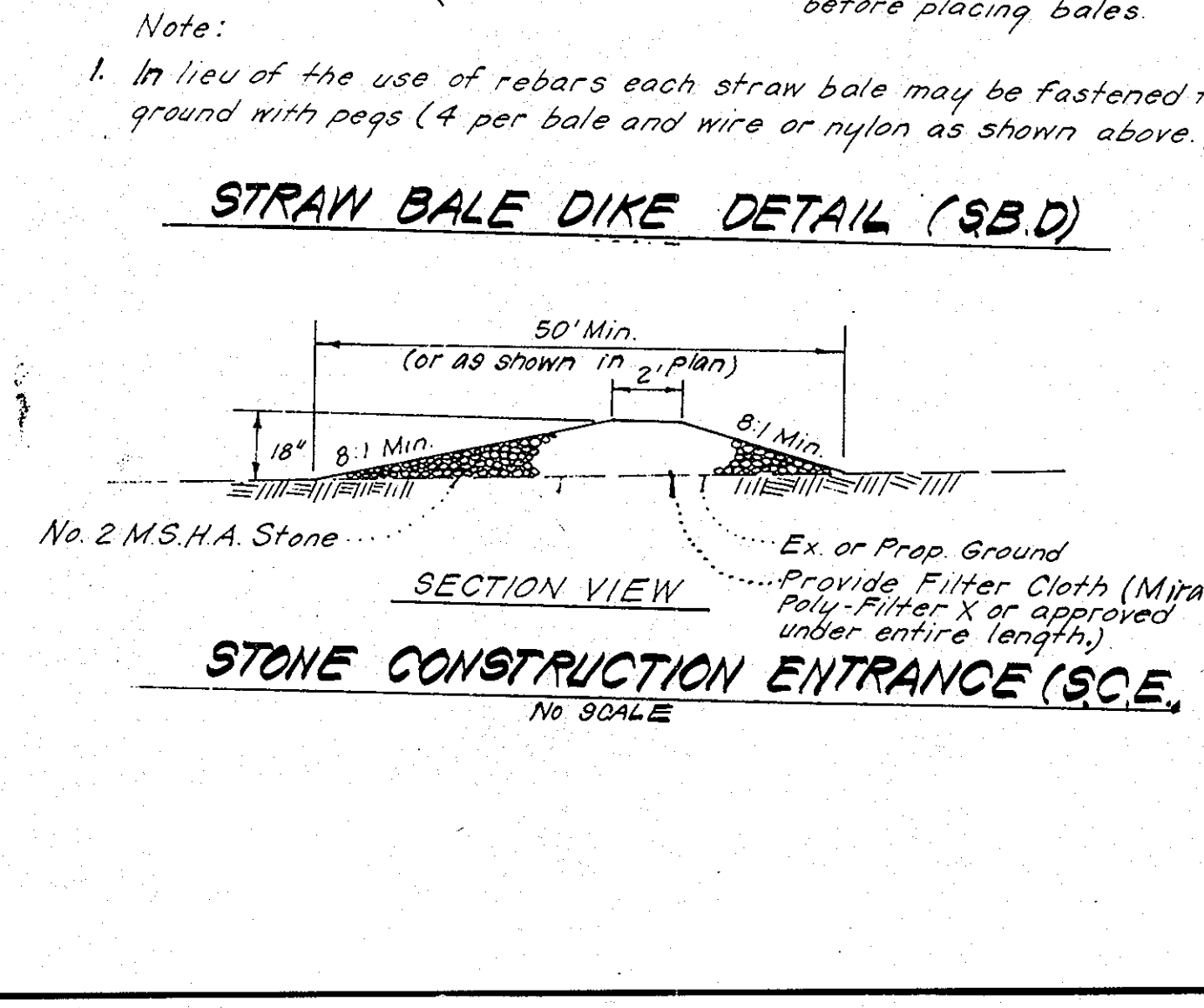
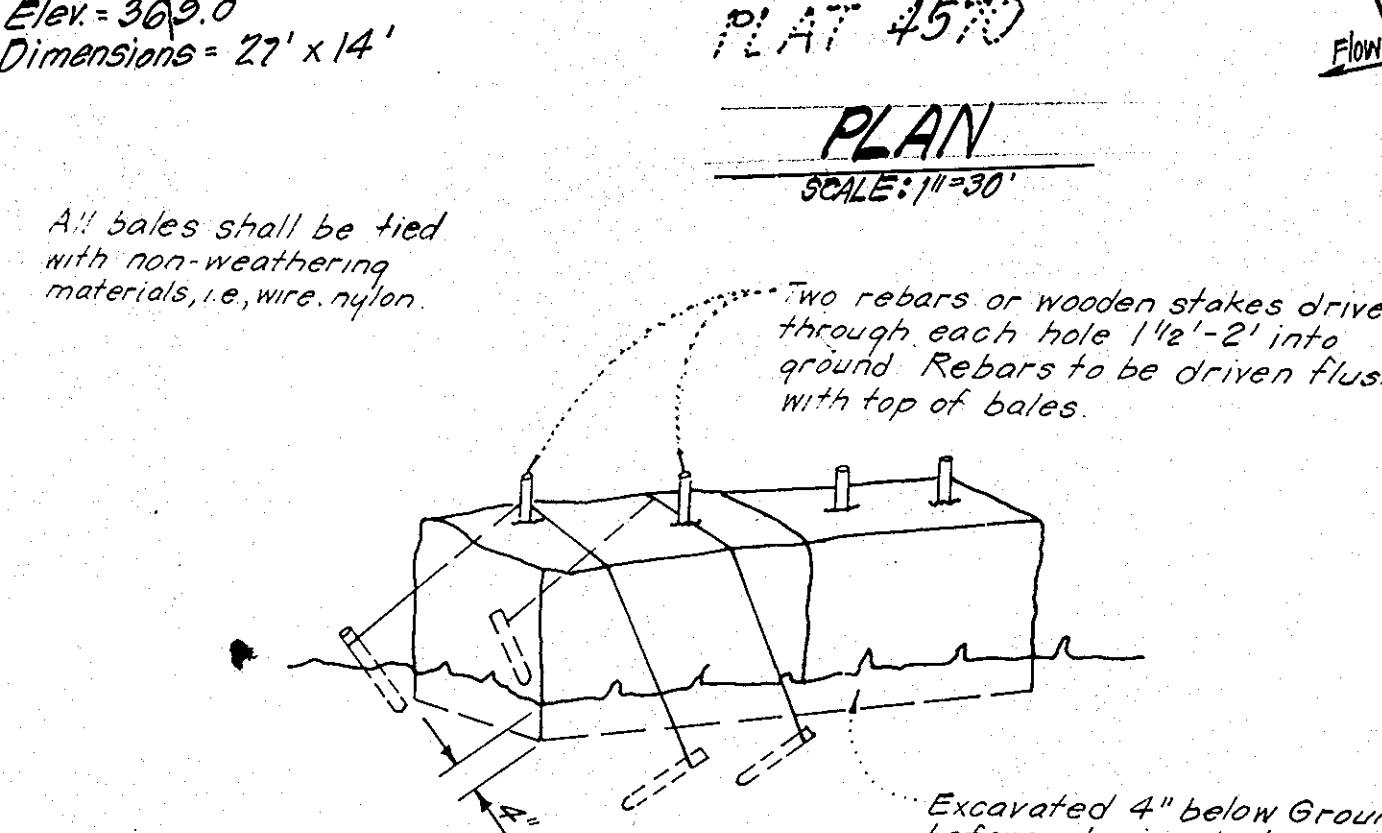
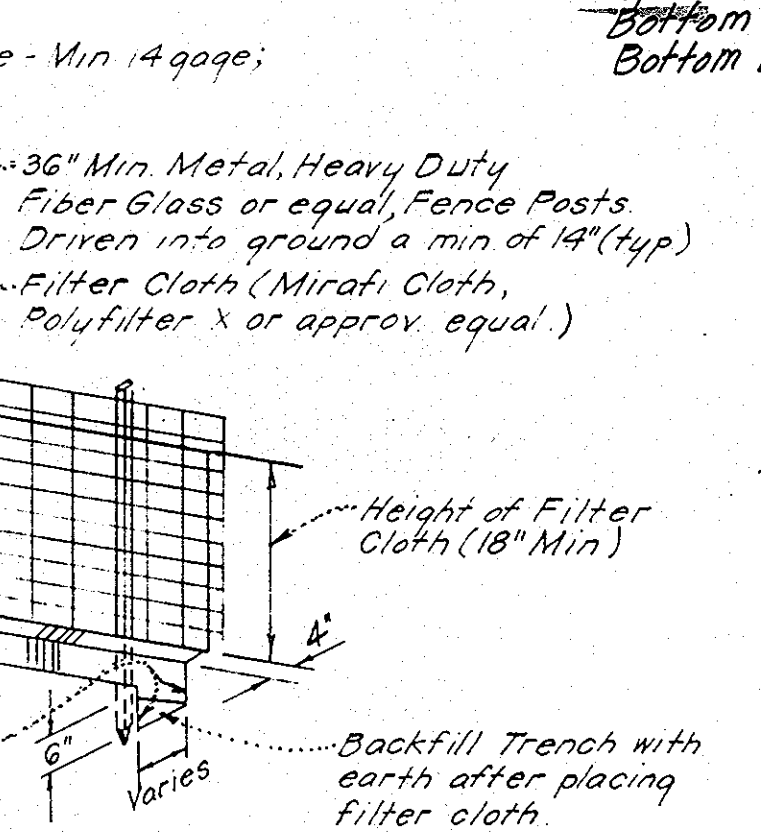
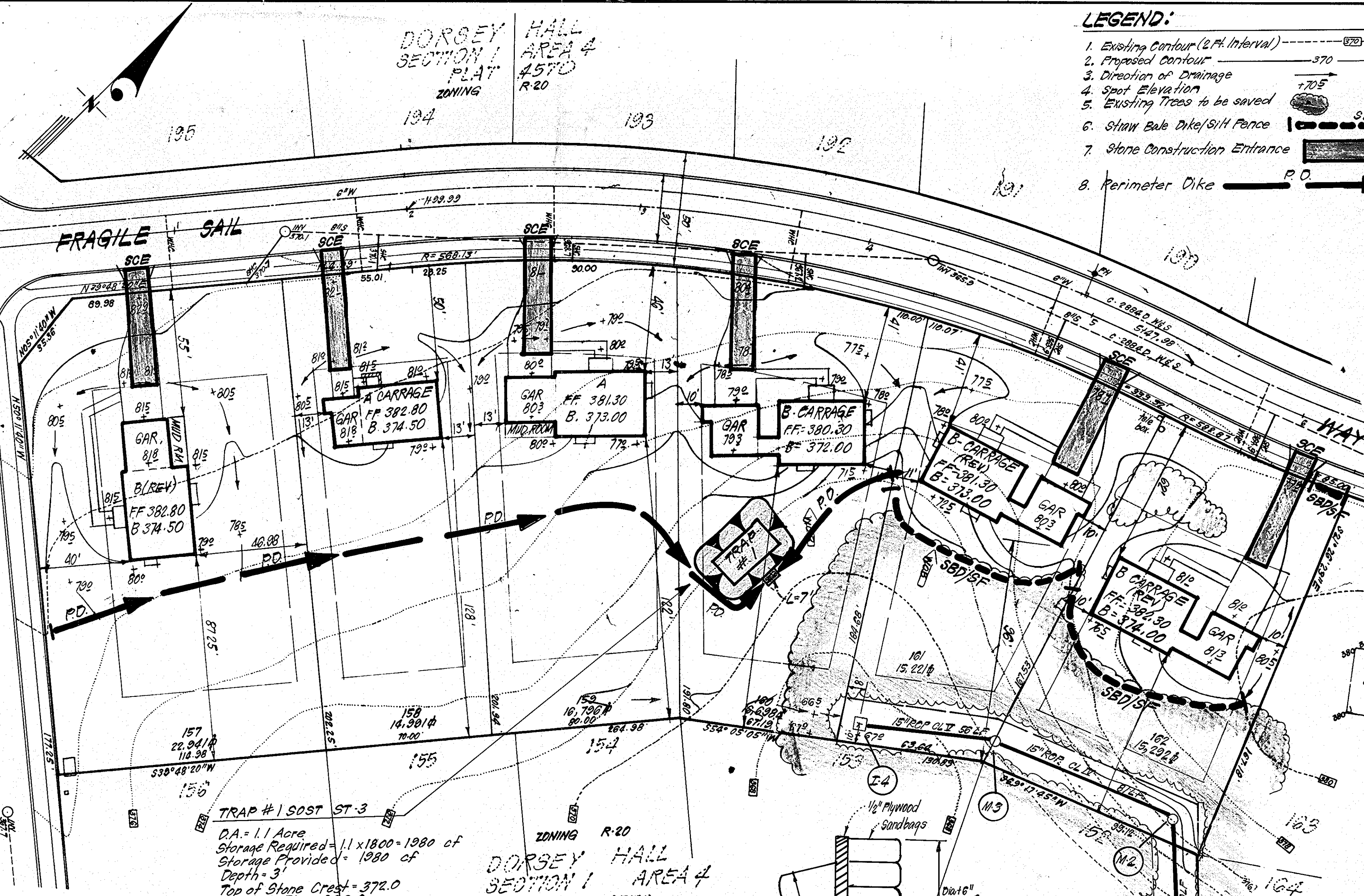
SDP-84-52



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
1-19-84

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
1-20-84

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
1-17-84



APPROVED FOR HOWARD COUNTY
and meets Technical Requirements
1-4-84
Signature: [Signature]
Date: 1-4-84
U.S. Soil Conservation Service

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

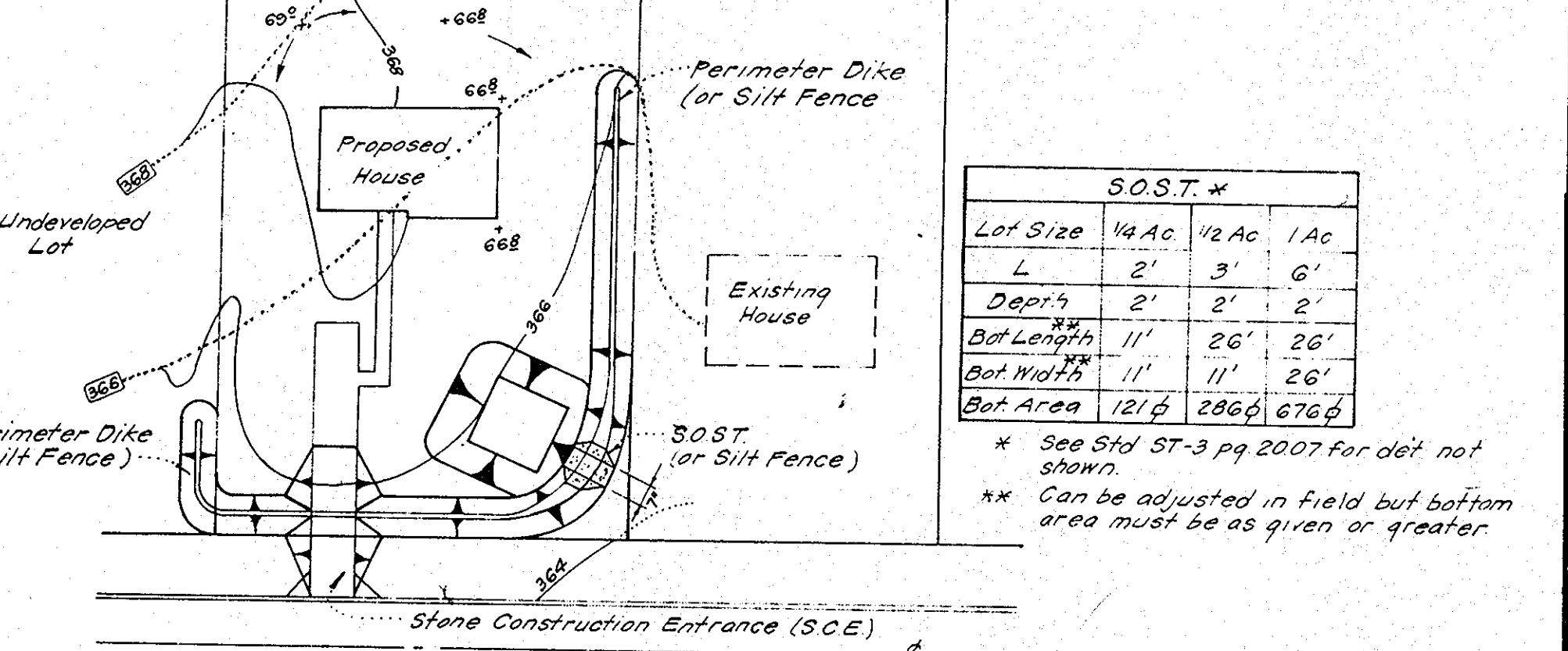
Approved: [Signature] Date: 1-30-84

ENGINEER'S CERTIFICATE
I hereby 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 their authorized agents, as are deemed necessary.

Signature of Designer/Builder: [Signature] Date: 9-6-83
Signature of Engineer: [Signature] Date: 9-6-83

- LEGEND:**
- Existing Contour (2 Ft. Interval) - 720
 - Proposed Contour - 370
 - Direction of Drainage - 705
 - Spot Elevation - 705
 - Existing Trees to be saved - SBD/SF
 - Straw Bale Dike/Silt Fence - SBD/SF
 - Stone Construction Entrance - SCE
 - Perimeter Dike - P.D.

- GENERAL NOTES**
- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
 - All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization except that the seed mixture will be annual rye applied at a rate of 14 lbs/1000 sf.
 - Notify the Bureau of Inspections and Permits at least 24 hrs before starting any work.
 - All Sediment Control Practices to conform to the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas" and shall be adjusted to meet actual field conditions.
 - Stabilization of Disturbed ground to be done as soon after construction as possible.
 - All disturbed area to be stabilized in accordance with the following Specifications:
 - Seed - certified 85% germination applied at the rate of 3lbs/1000 sf Mixture - 40% Kentucky Blue, 20% chewing Fescue, 20% Kentucky 31 and 20% annual rye.
 - Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 sf Ground Agricultural Lime or Dolomitic Lime applied at a rate of 30 lbs/1000 sf
 - Mulch - Weed free grain straw applied at a rate of 70-90 lbs/1000 sf. Mulch shall be secured to the ground by any approved method i.e.; asphalt tacks, chemical binder etc.
 - All Sod used shall be Maryland State Certified.
 - All structural Sediment Control Measures, are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
 - On-Site Inspection and Maintenance of all Sediment Control Measures including clean out of Sediment Traps and Dikes, and proper establishment of all planned vegetative measures will be the responsibility of the developer or his representative on the site, on a continuing day to day basis.
 - It will be the developers responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
 - The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
 - Approval of this plan is conditional upon the approval of Sediment Control Plan for the off-site waste or borrow area prior to the import of any borrow or export of waste to or from this site.
 - All pipes to be blocked at the end of each day. See detail this sheet.
 - Total Amount of Straw Bales or Silt Fence shown = 245 L.F.
 - SITE ANALYSIS:**
 - Total Area: 2.34 Acres.
 - Area to be Roofed: 0.21 Acres.
 - Area to be Paved: 0.11 Acres.
 - Area to be Seeded: 0.95 Acres.
 - Area Undisturbed: 1.07 Acres.
 - CONSTRUCTION SEQUENCE:**
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dike.
 - Excavate for Foundations and Rough Grade.
 - Erect Structures, Driveways and Sidewalks.
 - Final Grade and Stabilize in accordance with note #6.
 - If houses are to be constructed on an "As-Sold" basis at random, Single Lot Sediment Control, as shown on this sheet, shall be implemented.
 - STORM DRAIN CONSTRUCTION:** ALL EXCAVATION to be placed on upstream side of trench. IMMEDIATELY stabilize all areas disturbed during construction at the end of each day.



CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: R.U.S. **SCALE:** 1" = 30'

DRAWN: K/W **DRAWING:** 2 OF 2

CHECKED: R.U.S. **JOB NO.:** 83-035

DATE: 11-29-83 **FILE NO.:** 83-035-3E

PROJECT: SECTION 1, AREA 4, 2ND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

FOR: LINDY & CLARK BUILDERS, INC., 18025 Little Patuxent Parkway, Columbia, Maryland 21044

SDP-84-52