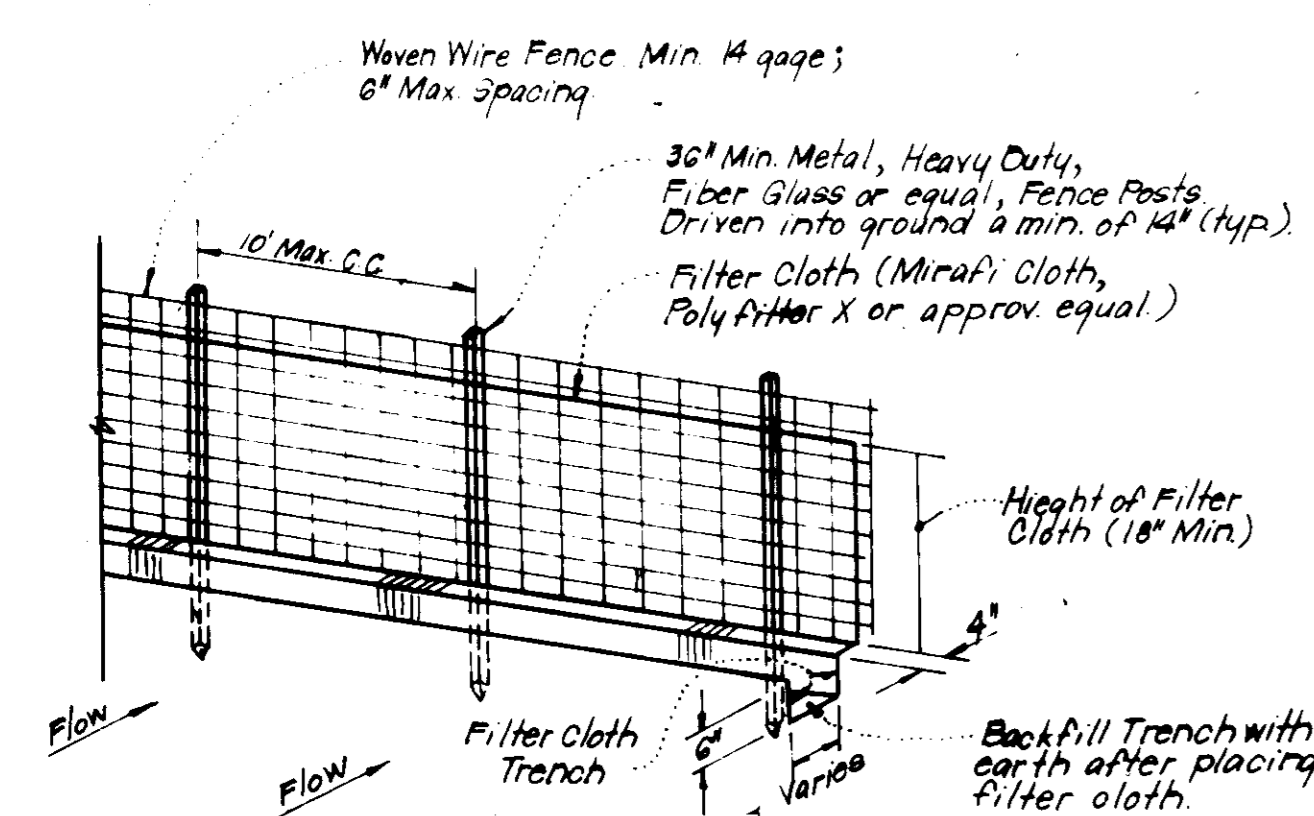


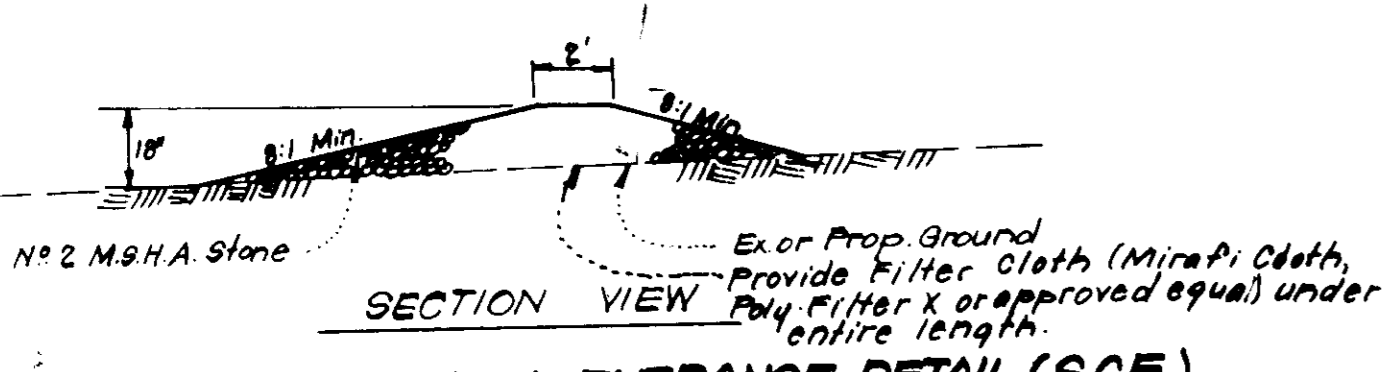
Note:
1. In lieu of the use of rebar, each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)
No Scale



Notes:
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24" x 24".

TYPICAL SILT FENCE DETAIL (S.F.)
No Scale



STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)
No Scale

OWNER
OWEN BROWN ESTATES, INC.
5327 BANNER RD.
22 JMBIA, MD. 21044

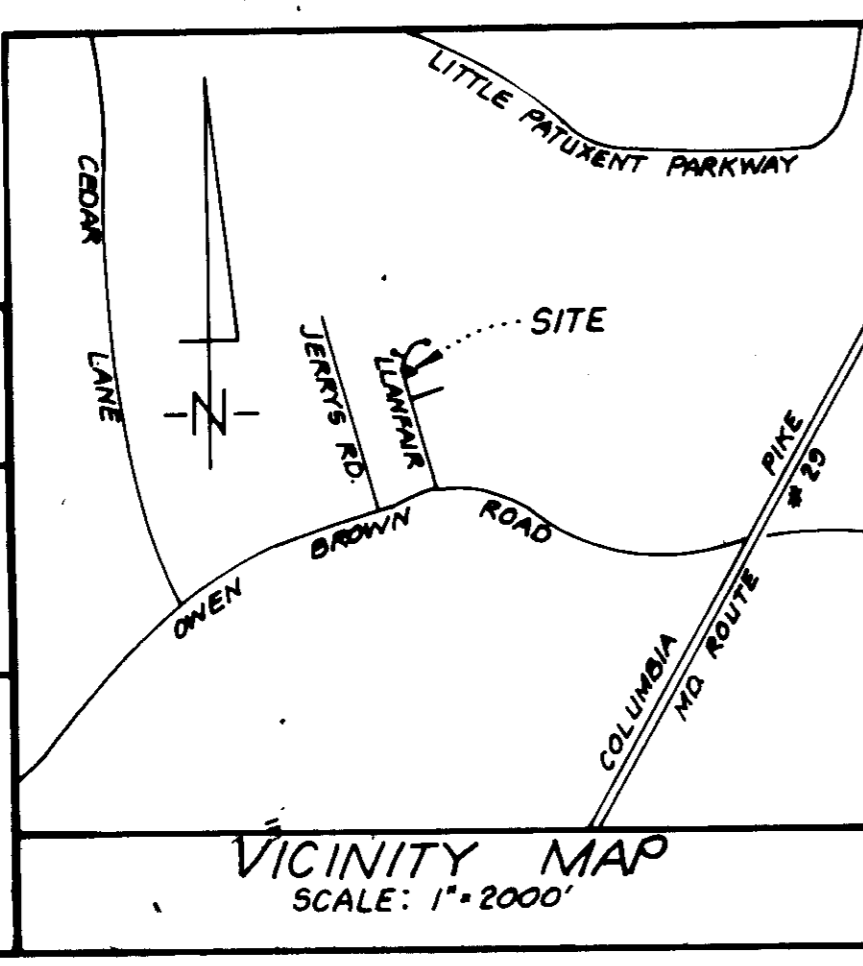
ARCHITECT
ROBERT KAPLAN & ASSOC.
5929 BANNER RD.
COLUMBIA, MD. 21044

ENGINEER
HUDKINS ASSOCIATES, INC.
231 JOSEPH SQUARE
COLUMBIA, MD. 21044

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
John Bolus 11-4-82
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
William M. ... 11-4-82
PLANNING COMMISSIONER DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
... 11-1-82
CHIEF BUREAU OF ENGINEERING DATE



Reviewed for *Howard* S.C.D.
Name
and meets Technical Requirements
... Date
U.S. Soil Conservation Service

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

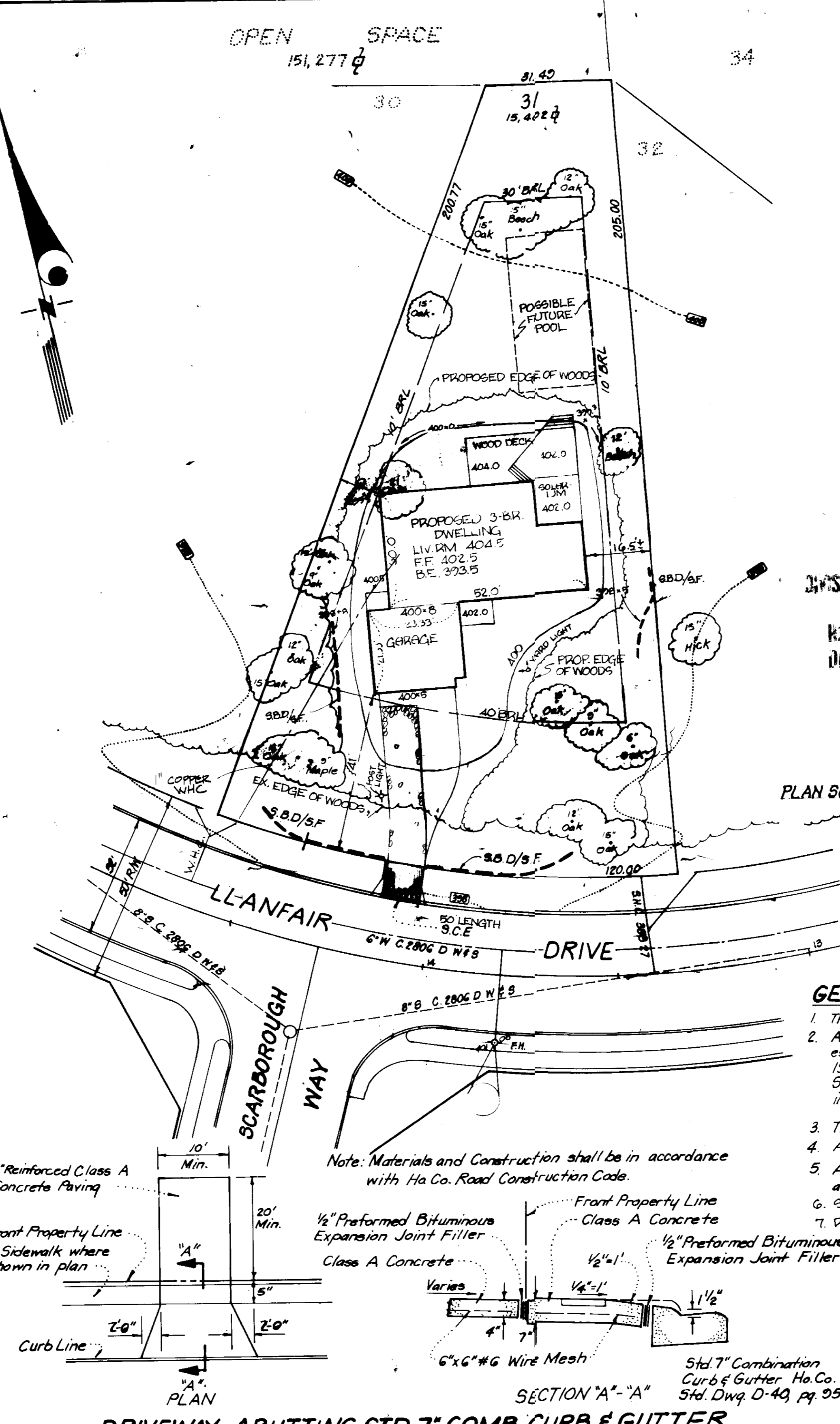
Don T. Rowe 10-27-82
APPROVED DATE

DEVELOPER'S CERTIFICATE
I certify that all development and/or construction
will be done according to this plan of development
and plan for Erosion and Sediment Control, and I also
authorize periodic on-site inspection by the Howard
Soil Conservation District or their authorized agents
as are deemed necessary. Deviation from this plan
will not be made unless authorized by the Howard
Soil Conservation District.

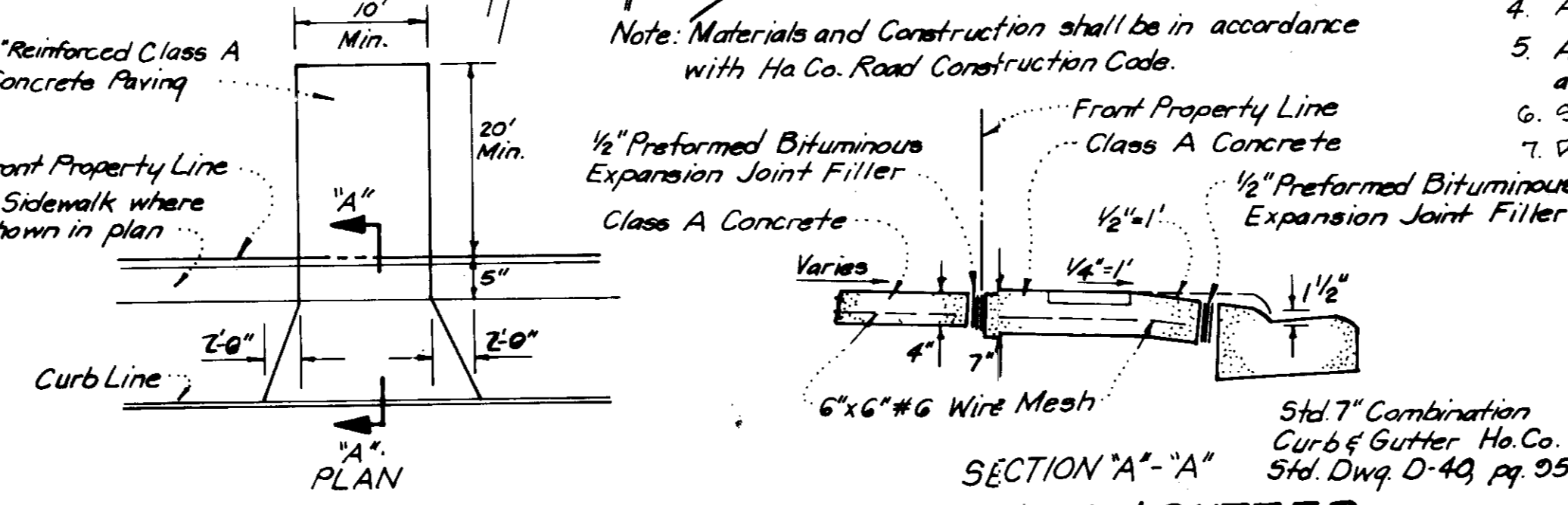
... 11/82
DEVELOPER DATE

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 Conserva-
tion District.

Walter Park 11/1/82
WALTER PARK DATE



DRIVEWAY ABUTTING STD. 7" COMB CURB & GUTTER
No Scale

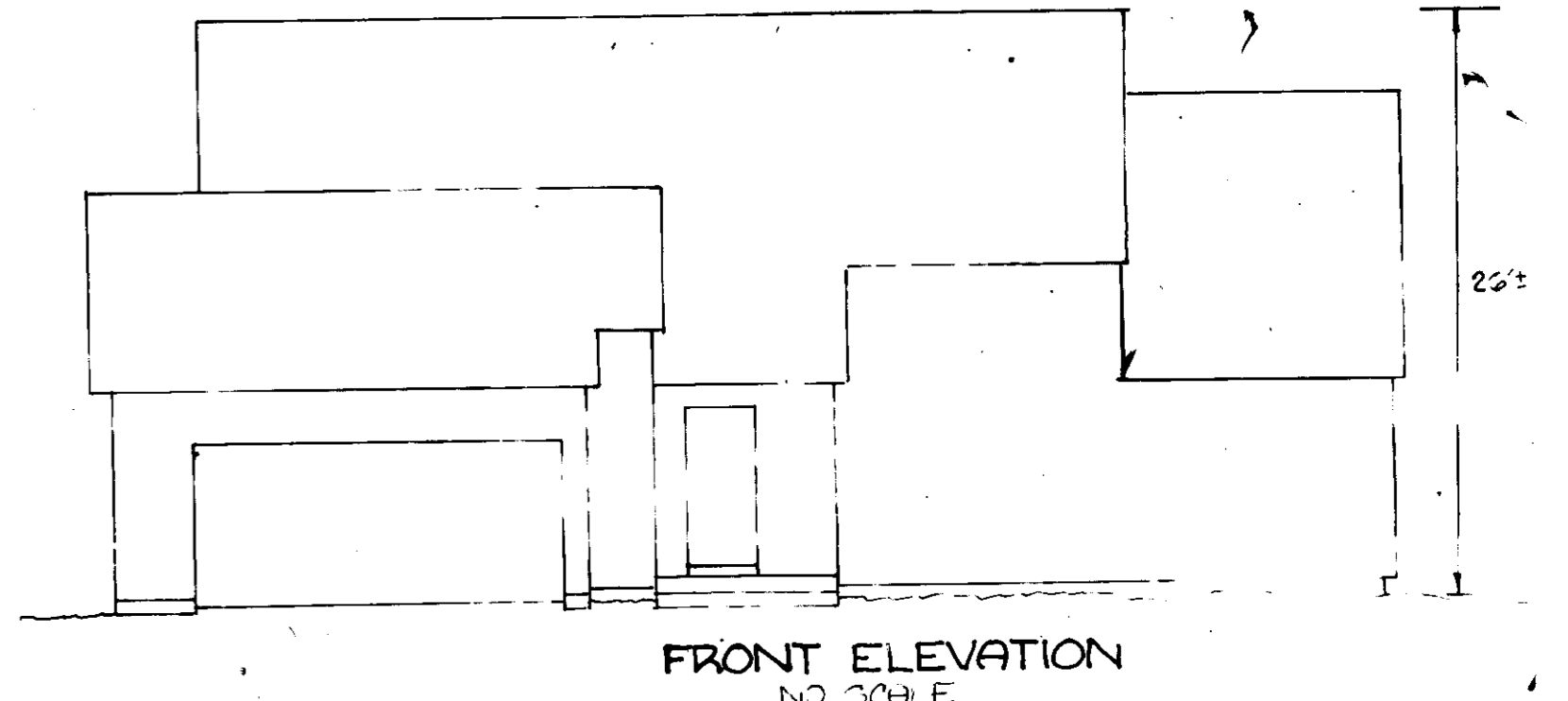


GENERAL NOTES:

- The Land included in this plan is zoned: R-20.
- All coordinates are based on traverse control for Columbia established by Maps Inc., in 1968 by Purdum & Jeschke in 1968 which controls were tied to Maryland Bureau of Control Survey monuments to U.S. Coast & Geodetic Survey Monuments in the Columbia area.
- The area covered in this submission is located on Tax Map #35 P. 370.
- All roadways are public and existing.
- Any damage to county owned rights of way shall be corrected at the developer's expense.
- SEE PLAT #4091. SEE S.D.P. 21-C4.
- REASON FOR REVISED SITE DEVELOPMENT PLAN: CHANGED HOUSE TYPE.

LEGEND:

- Contour Interval 2 Ft.
- Existing Contour
- Proposed Contour 400
- Spot Elevation +00'
- Direction of Drainage
- Exist. Trees to be Retained
- Perimeter Dike
- Straw Bale Dike or Silt Fence
- Stone Construction Entrance



FRONT ELEVATION
NO SCALE

DESIGNED: G.S.S.
DRAWN: G.S.S.
CHECKED: W.P.P.
DATE: 9/13/1982

REVISED
SEDIMENT & EROSION CONTROL PLAN & SITE DEVELOPMENT PLAN
LOT 31
OWEN BROWN ESTATES
SECTION 1 AREA 1
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: SDP-83-26

- 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 1.4 lbs/1000 sq. ft.
 - 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 grading shall be treated in accordance with the following Specifications:
A. Seed - certified 85% germination applied at the rate of 5 lbs/1000 sq. ft. Mixture - 40% Kentucky Blue, 20% chewing Fescue, 20% Kentucky 31 and 20% annual rye.
B. Fertilizer - 10-10-10 applied at a rate of 25 lbs/1000 sq. ft. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 30 lbs/1000 sq. ft.
C. Mulch - Weed free grain straw applied at a rate of 70 lbs/1000 sq. ft. Mulch shall be secured to the ground by any approved method i.e.; asphalt tacks, chemical binder, etc.
D. 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 developer's 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.
 - Stabilized construction entrances shall be placed at all construction entrances.
 - Total Amount of Straw Bales or Silt Fence shown = 130 LF
 - SITE ANALYSIS:
A. Total Area: 0.8866 Acres
B. Area to be Roofed: 0.0413 Acres
C. Area to be Paved: 0.0175 Acres
D. Area to be Graded: 0.0792 Acres
E. Area Undisturbed: 0.8036 Acres
 - CONSTRUCTION SEQUENCE:
A. Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
B. Excavate for Foundations and Rough Grade.
C. Erect Structures, Drive ways and Sidewalks.
D. Final Grade and Stabilize in accordance with note #6.
 - BUILDING COVERAGE OF LOT: 3.4%

10-14-82