

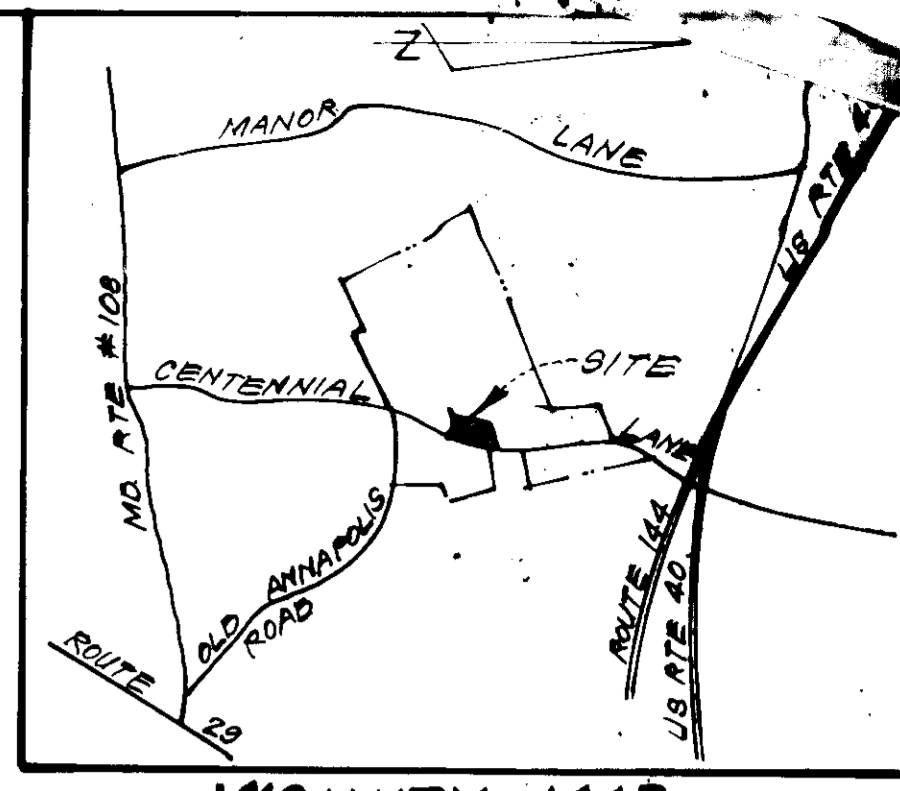
Note: Materials and Construction shall be in accordance with H.C. Road Construction Code.

DRIVEWAY ABUTTING MODIFIED CURB & GUTTER

ALTERNATE #1
1" Bit. Conc. Surface
2" Bit. Conc. Base

ALTERNATE #2
1" Bit. Conc. Surface
3" Bit. Conc. Base
3" Gravel

FUTURE BURLEIGH MANOR AREA 4 SECTION 4



VICINITY MAP
SCALE: 1"=200'

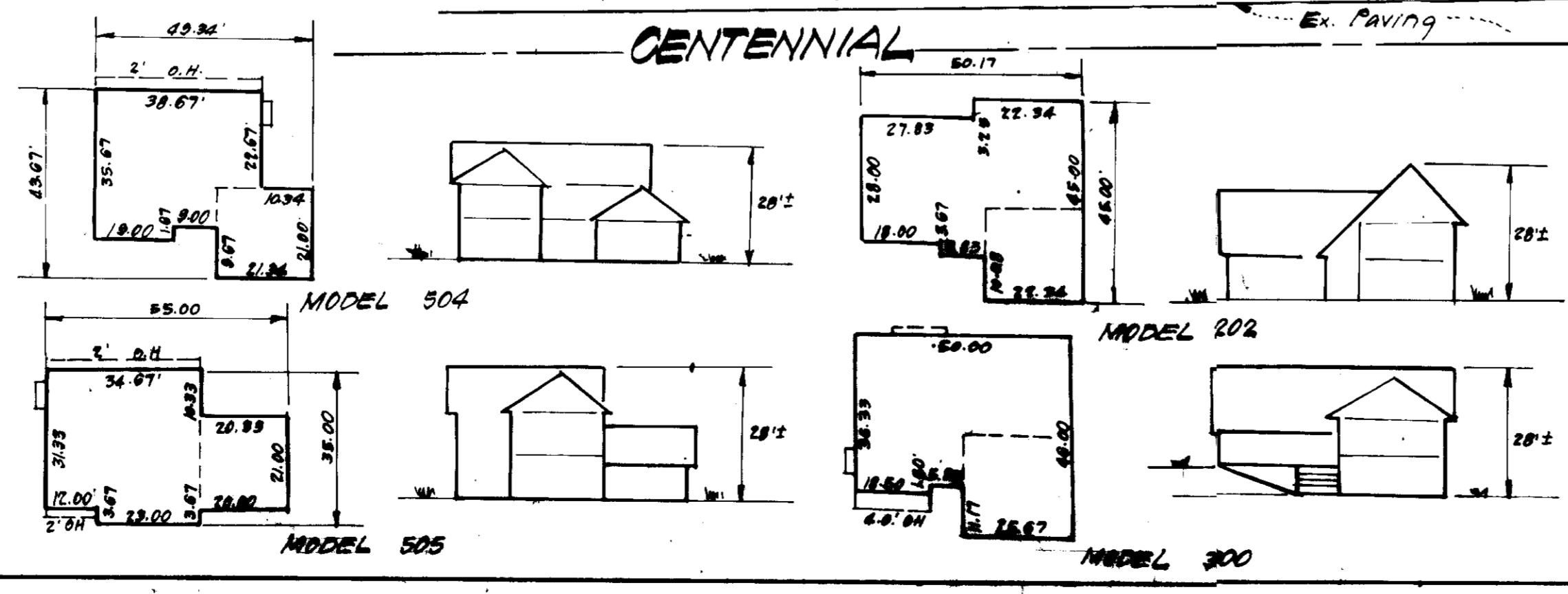
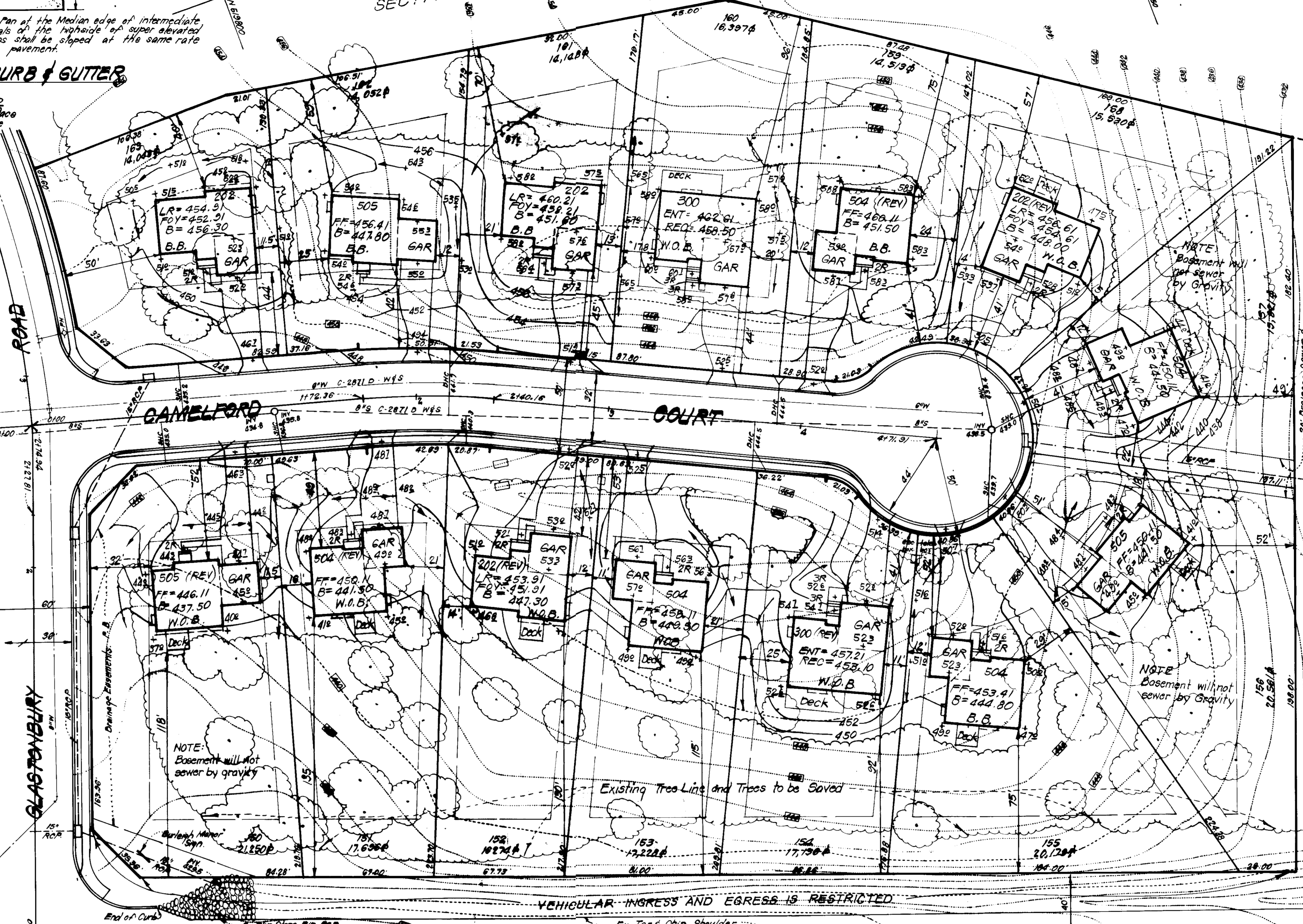
GENERAL NOTES:

- The land included in this plan is zoned: R-20.
- Coordinates shown are extensions made from the Maryland State Plane Coordinate System. Bearings refer to true north and are based on Howard County Geodetic Survey Point No. 3040001 and No. 3140003.
- Total Number of Lots: 14
- The area covered in this submission is located on Tax Map #24
- The total area included on this plan is 5.391 Acres.
- All roadways are public and existing.
- Any damage to county owned rights of way shall be corrected at the developer's expense.

LEGEND:

- Contour Interval 2 FT
- Existing Contour 40
- Proposed Contour 410
- Spot Elevation +10
- Direction of Drainage
- Exist. Trees to be retained
-

Note:
1. The contractor or developer shall contact the construction inspection/survey division, 24 hours in advance of commencement of work at 992-2412 or 992-2418.



STREET TREES:
Street trees shall be planted by the Developer, Troutman Company, at a rate of at least one tree per 40' of lot frontage, and in accordance with Section 16.131 of the Subdivision and Land Development Regulations of Howard County.

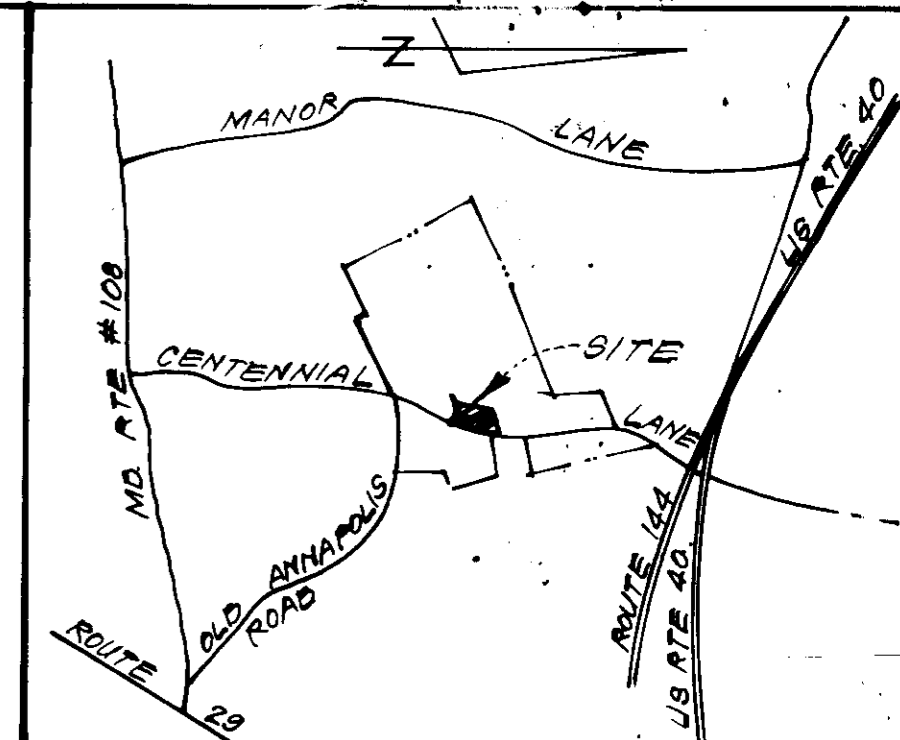


APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 10-2-81

CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400	
DESIGNED: JME DRAWN: K.I.N. CHECKED: JME DATE: 8-8-81	SITE DEVELOPMENT PLAN LOTS 150 THRU 163 BURLEIGH MANOR SECTION 4 AREA 2 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND OWNER: CAPTAIN MARYLAND INC The Clark Building Suite 543 Columbia, Maryland 21044
SCALE: 1"=30' DRAWING: 1073 JOB NO.: 81-075 FILE NO.: 81-075-X	S.D.P. 82-33

FUTURE BURLEIGH MANOR
AREA 4
SECTION 4

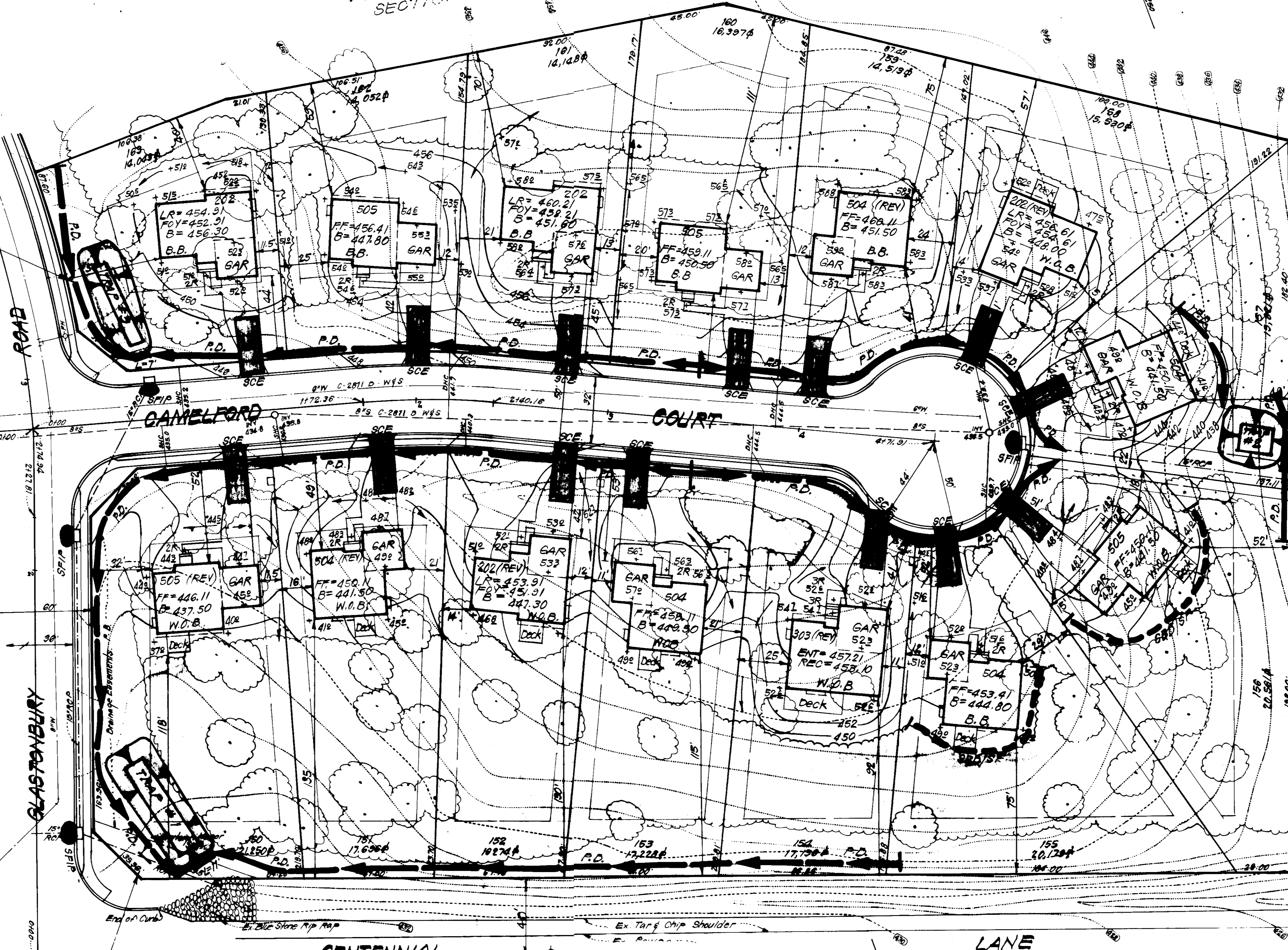


VICINITY MAP
SCALE 1"=2000'

TRAP #3 S.O.S.T. (ST-3)
DA = 1.1 Acres
Storage Required = 1,111,800 = 1900 c.f.
Storage Provided = 1989 c.f.
Depth = 3'
Top of Stone Crest = 446.5
Bottom Elevation = 443.5
Bottom Dimensions = 45' x 7'

TRAP #2 S.O.S.T. (ST-3)
DA = 0.7 Acre
Storage Required = 0.711800 = 1260 c.f.
Storage Provided = 1380 c.f.
Depth = 3'
Top of Stone Crest = 433.0
Bottom Elev = 430.0
Bottom Dimensions = 17' x 14'

- LEGEND:**
1. Contour Interval 2 FT.
 2. Existing Contour
 3. Proposed Contour
 4. Spot Elevation
 5. Direction of Drainage
 6. Exist. Trees to be retained
 7. Perimeter Dike
 8. Straw Bale Dike or Silt Fence
 9. Stone Filter Inlet Protection
 10. Stone Construction Entrance
 11. Sediment Trap



TRAP #1 S.O.S.T. (ST-3)
DA = 1.8 Acres
Storage Required = 1,811,800 = 3240 c.f.
Storage Provided = 3240 c.f.
Depth = 3'
Top of Stone Crest = 433.2
Bottom Elev = 430.2
Bottom Dimensions = 54' x 12'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
John P. Jones 10-26-81
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
John P. Jones 10-27-81
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Henry F. Neuman 10-25-81
CHIEF BUREAU OF ENGINEERING 10/23/81

Reviewed for *Howard* S.C.D.
and needs Technical Requirements
Robert H. Fargner 10-15-81
U.S. Soil Conservation Service

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

William J. Rom 10-18-81
Approved Date

DEVELOPER'S/BUILDER'S CERTIFICATE

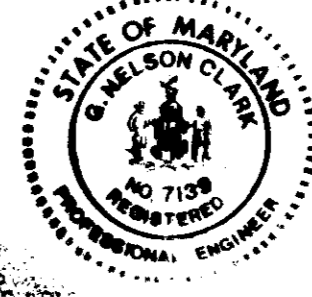
"I hereby certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training 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."

Robert H. Fargner 9-8-81
ROBERT H. FARGNER

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 9-8-81
G. Nelson Clark Date



Mat Reference: P.B. 4601

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

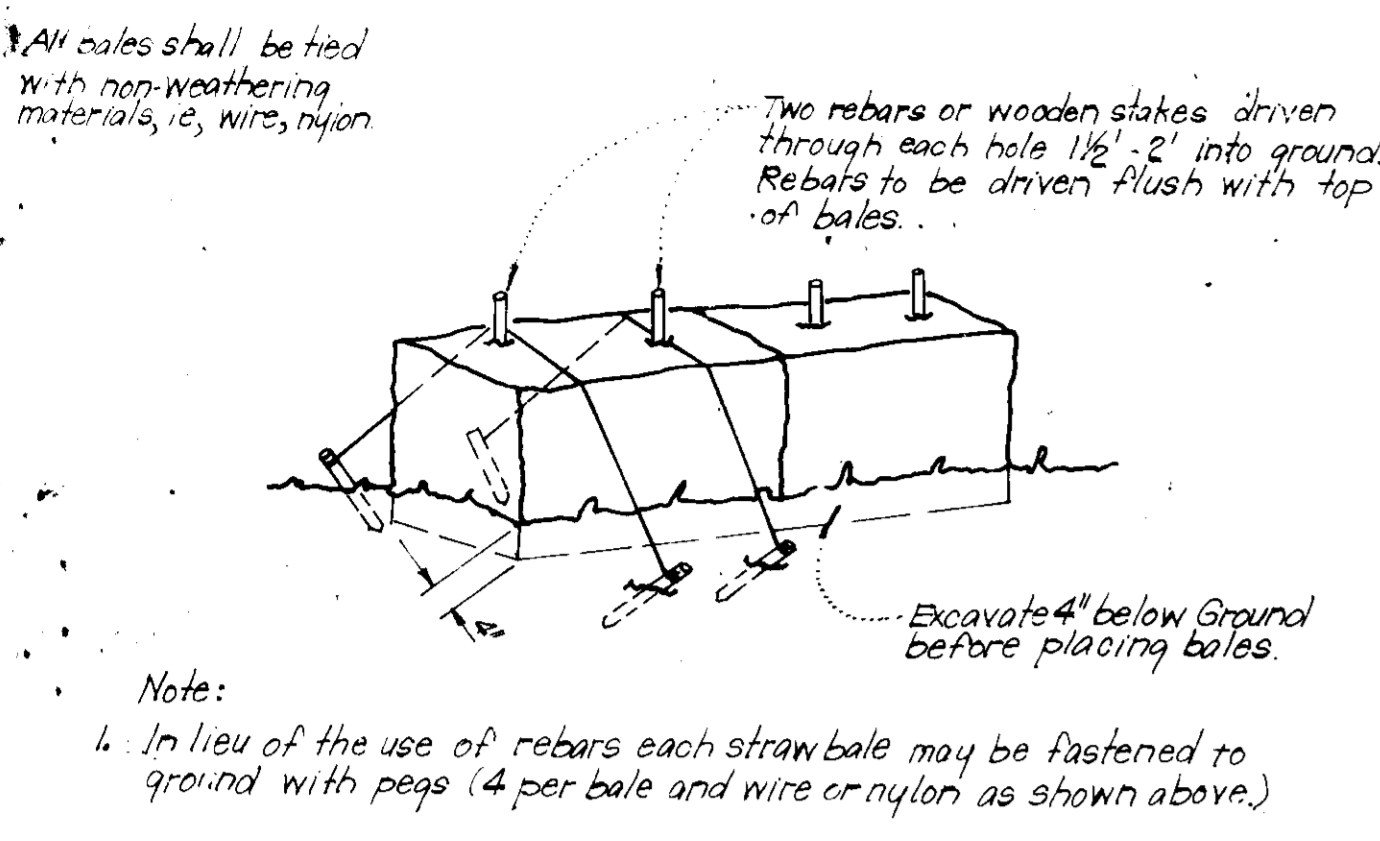
DESIGNED <i>B.P.</i>	SEDIMENT & EROSION CONTROL PLAN LOTS 150 THRU 163 BURLEIGH MANOR SECTION 4 AREA 2 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND OWNER: CAPTAIN MARYLAND INC The Clark Building Suite 543 Columbia, Maryland 21044	SCALE 1"=30'
DRAWN <i>K.I.W.</i>		DRAWING 2 OF 3
CHECKED <i>B.P.</i>		JOB NO. 81-075
DATE 9-8-81		FILE NO. 81-075-9E

APPROVED
OFFICE OF LAND DEVELOPMENT &
ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-2-81
JMM

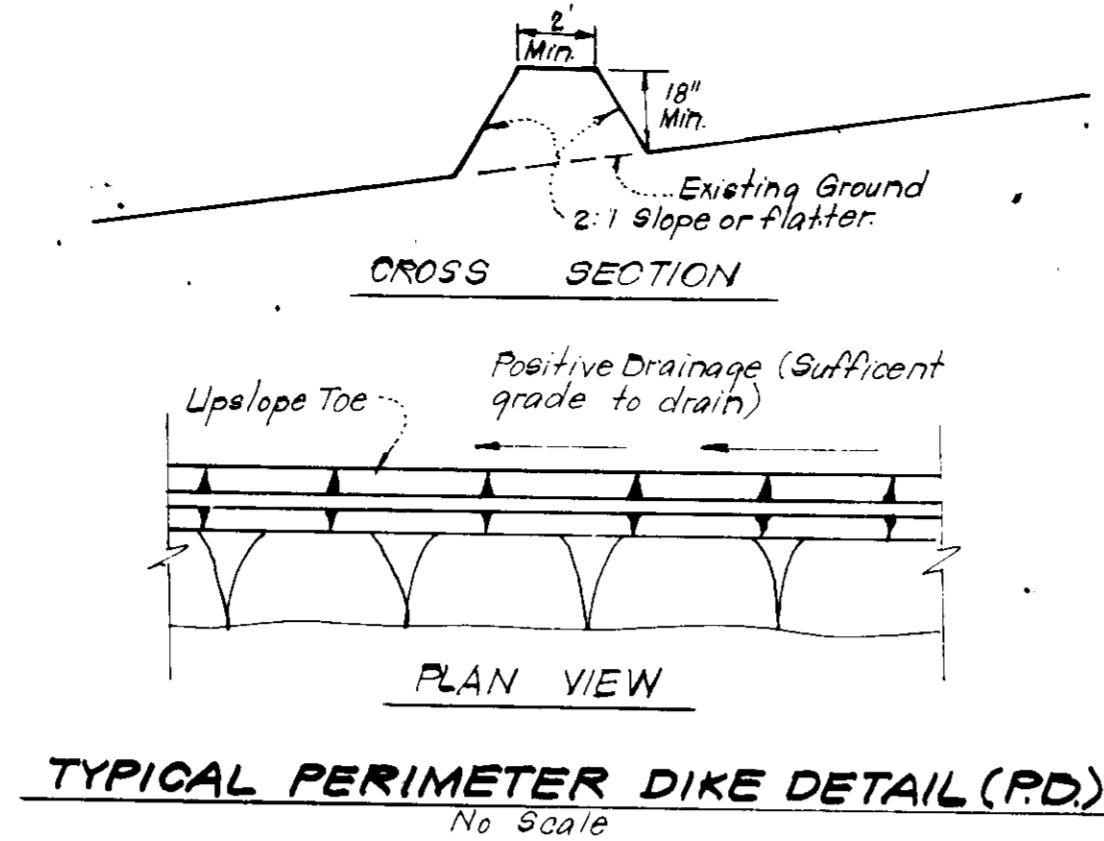
GENERAL NOTES

- 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 disturbed area to be stabilized in accordance with the following Specifications:
 - Seed - certified 85% germination applied at the rate of 3 lbs/1000 sq ft. Mixture - 40% Kentucky Blue, 20% chewing Fescue, 20% Kentucky 31 and 20% annual rye.
 - Fertilizer - 10-10-10 applied at a rate of 2.5 lbs/1000 sq ft. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 90 lbs/1000 sq ft.
 - Mulch - Weed free grain straw applied at a rate of 70-90 lbs/1000 sq ft. 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.
- Stabilized Construction Entrances shall be placed at all construction entrances.
- 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.
- Total Amount of Straw Bales or Silt Fence shown = 120 LF
- SITE ANALYSIS:

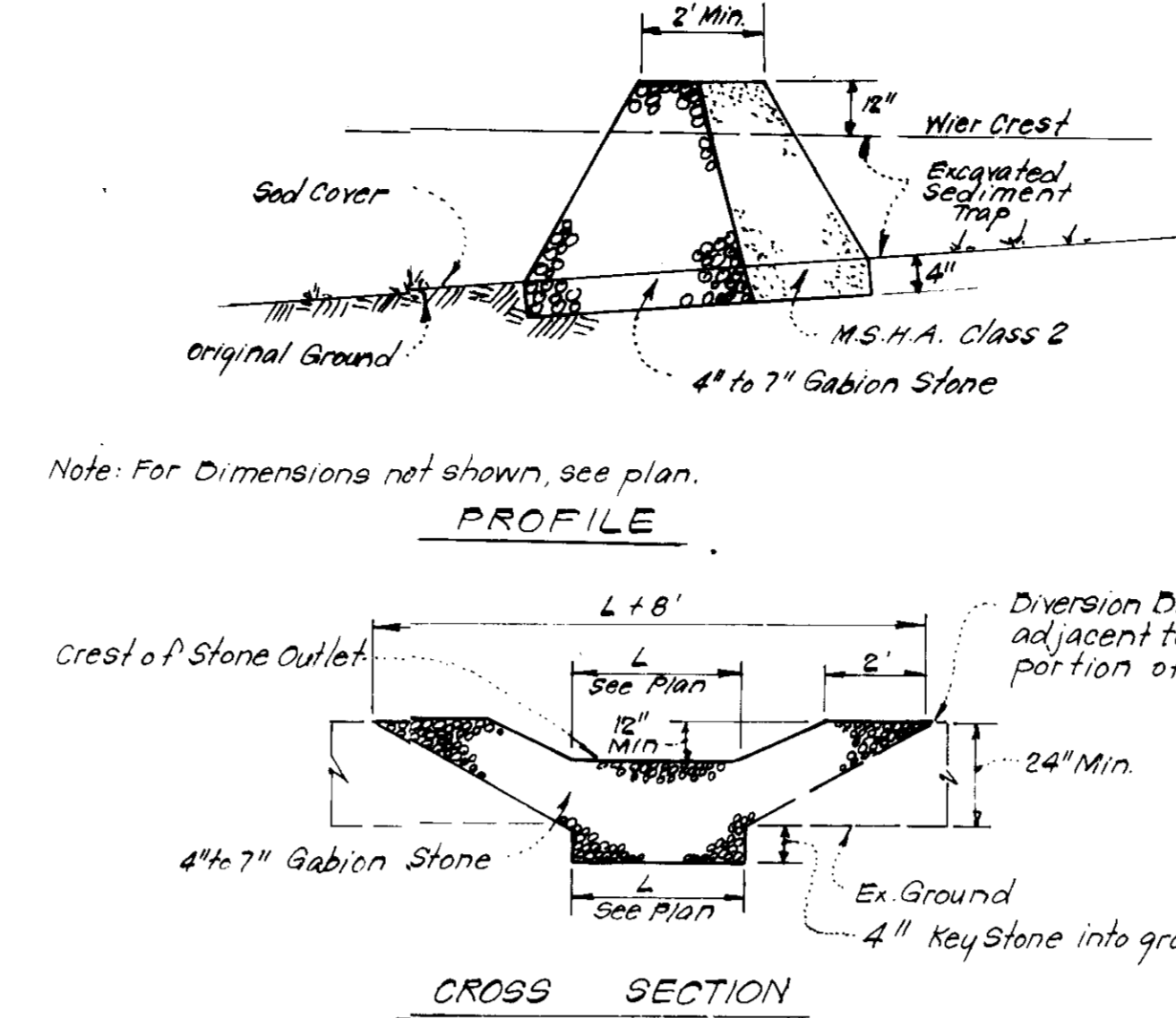
A. Total Area:	5.391	Acres
B. Area to be Roofed:	0.554	Acres
C. Area to be Paved:	0.239	Acres
D. Area to be Seeded:	3.067	Acres
E. Area Undisturbed:	1.591	Acres
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
 - Excavate for Foundations and Rough Grade.
 - Erect Structures, Driveways and Sidewalks.
 - Final Grade and Stabilize in accordance with note #6.
- 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.



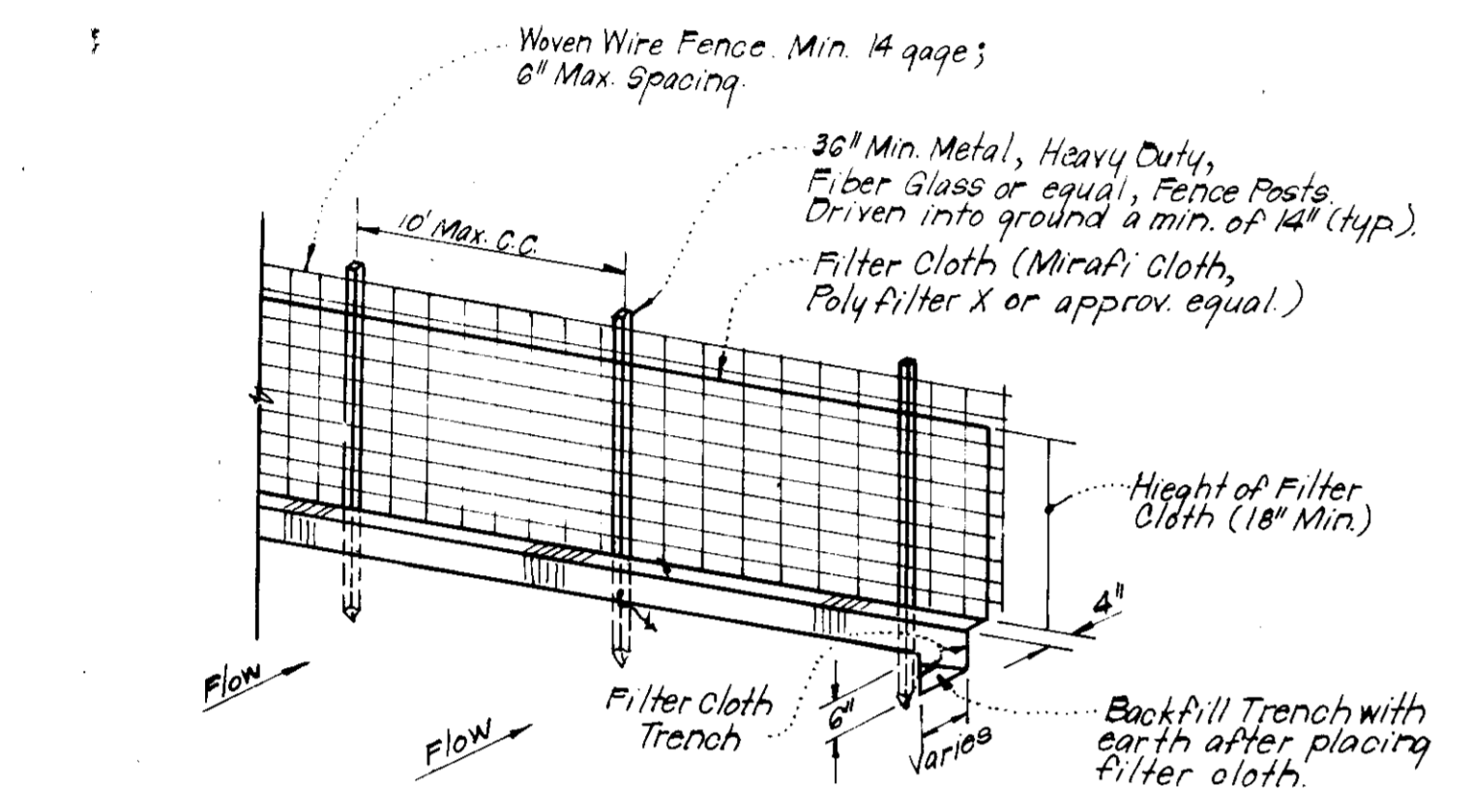
TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)
No Scale



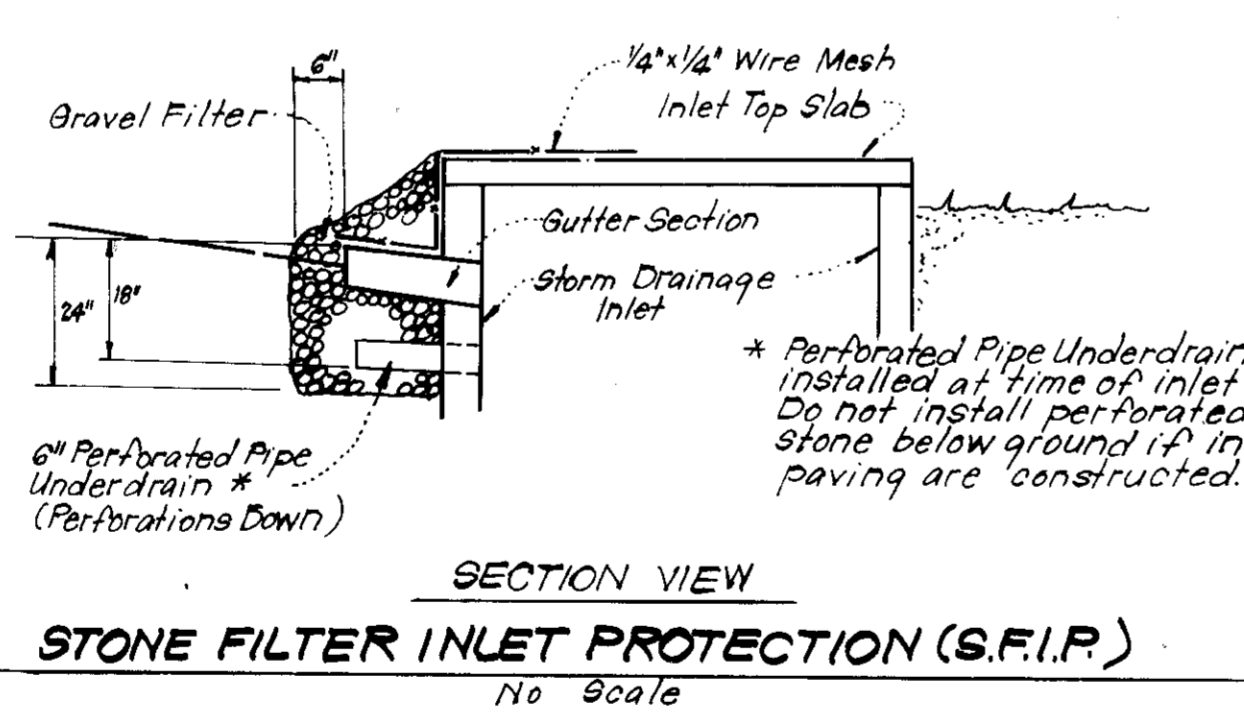
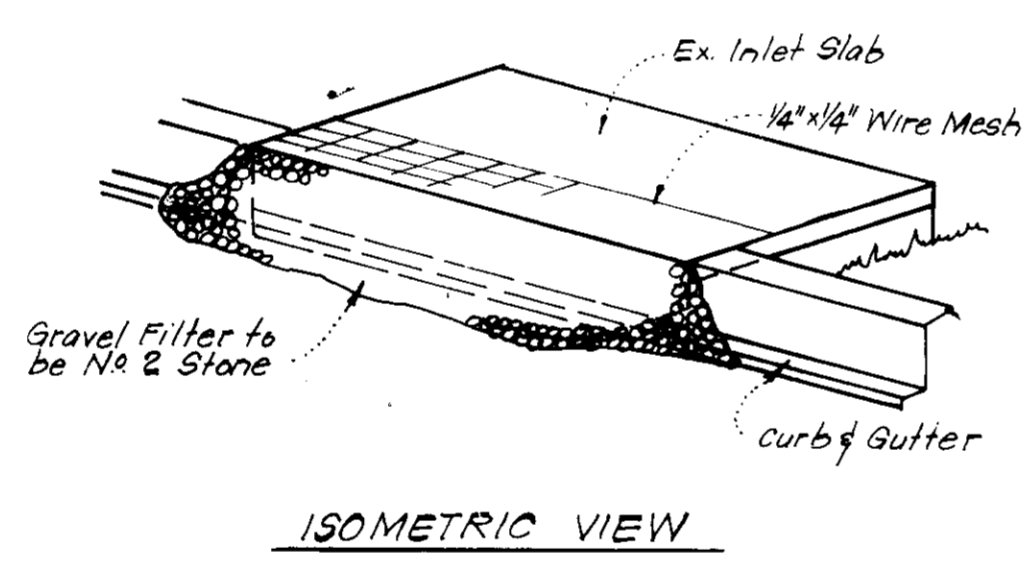
TYPICAL PERIMETER DIKE DETAIL (P.D.)
No Scale



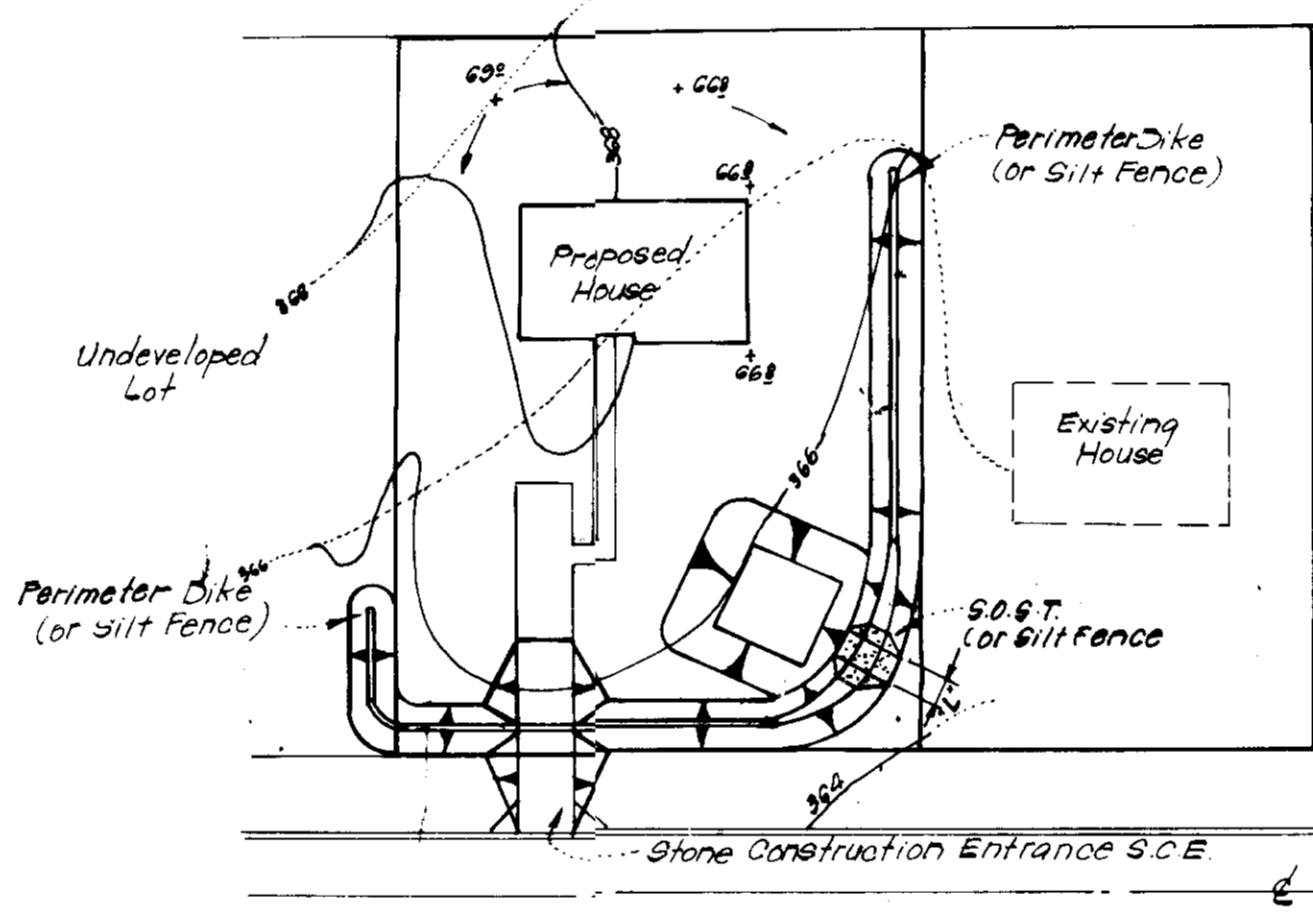
DETAILS OF STONE FILTER OUTLET (FOR STONE OUTLET SEDIMENT TRAP)
No Scale



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



STONE FILTER INLET PROTECTION (S.F.I.P.)
No Scale



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale

Lot Size	1/4 Ac.	1/2 Ac.	1 Ac.
L	2'	3'	6'
Depth	2'	2'	2'
Bot. Length	11'	26'	26'
Bot. Width	11'	11'	26'
Bot. Area	171 sq ft	286 sq ft	676 sq ft

* See Std. 97-3 pg. 20.07 for det. not shown.
** Can be adjusted in field but bottom area must be as given or greater.

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

HEALTH OFFICER: *[Signature]* 10-26-81

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING

ZONING OFFICER: *[Signature]* 10-27-81

CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. DATE: 10-27-81

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

DIRECTOR: *[Signature]* 10-23-81

CHIEF BUREAU OF ENGINEERING: *[Signature]* 10/23/81

Reviewed for HOWARD S.C.D.
Name and meets Technical Requirements
Signature: *[Signature]* Date: 10-19-81
U.S. Soil Conservation Service

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

[Signature] 10-19-81
Approved DATE

DEVELOPER'S/BUILDER'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."

[Signature] 9-8-81
Signature of Developer/Builder DATE
ROBERT H. FARGHER

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.

[Signature] 9-8-81
G. Nelson DMW DATE



APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-2-81
[Signature]

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

DESIGNED	S.P.	SCALE	As Shown
DRAWN	R.H.M.	DRAWING	3043
CHECKED	S.P.	JOB NO.	01078
DATE	10-8-81	FILE NO.	91-075-SE

SEDIMENT & EROSION CONTROL PLAN
LOTS 150 THRU 165

BURLEIGH MANOR

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

OWNER: COSTAIN MARYLAND, INC.
The Clark Building, Suite 545
Columbia, Maryland 21044