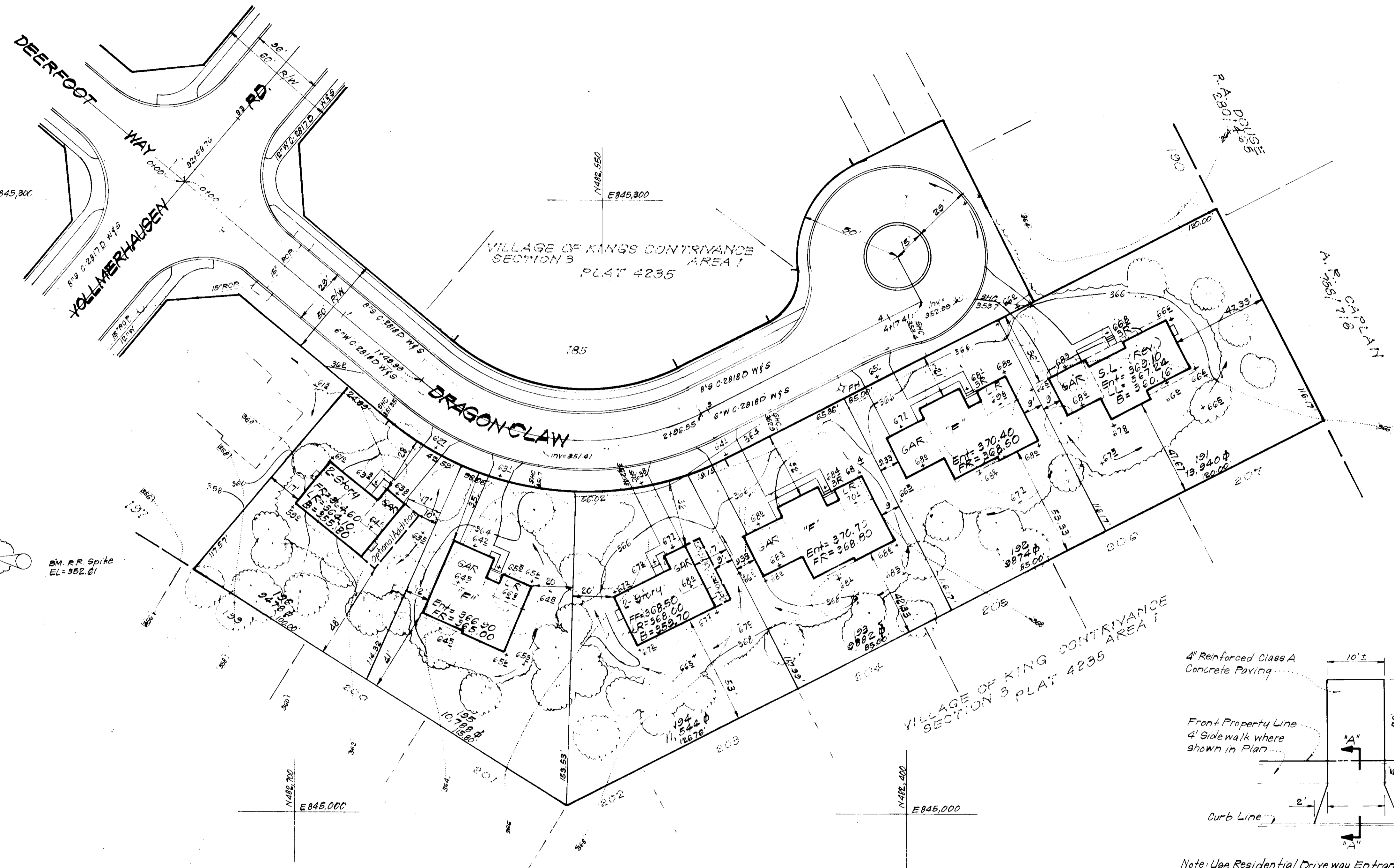


VICINITY MAP
SCALE 1"=2000'

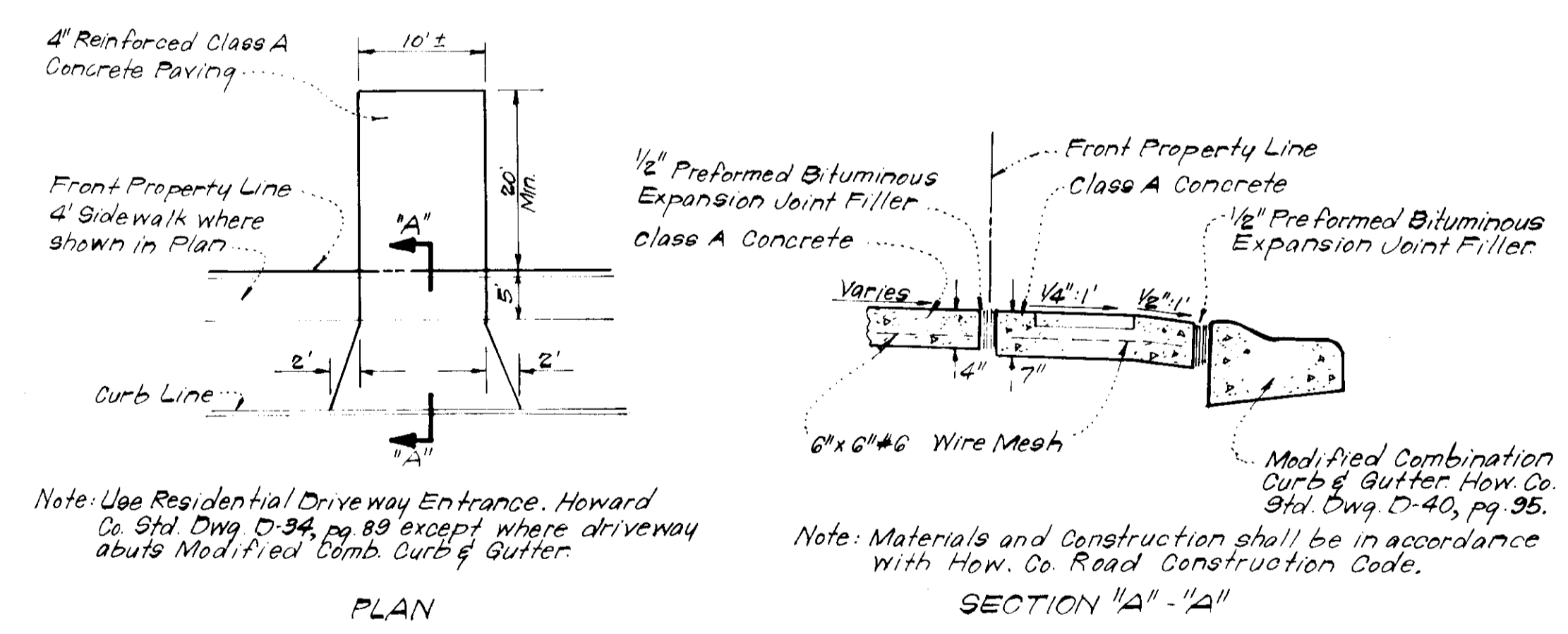


GENERAL NOTES:

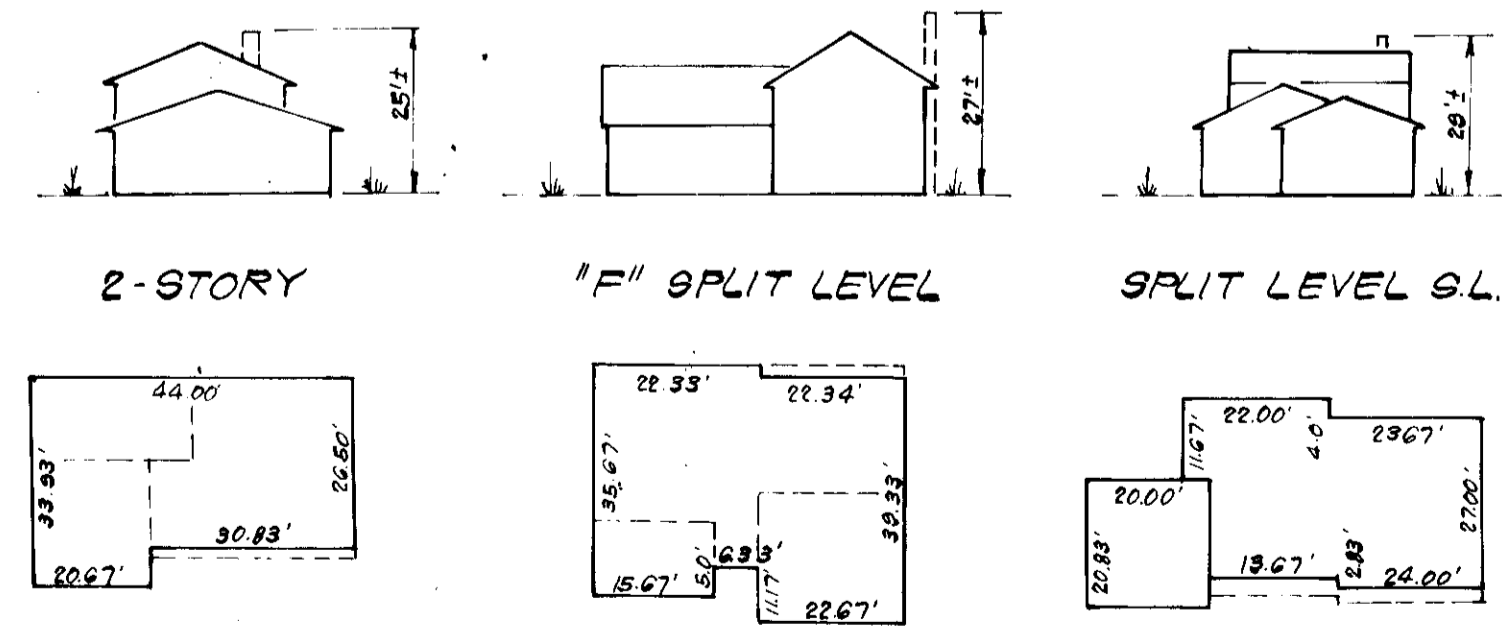
1. The Land included in this plan is zoned Newtown (S.F.M.D.)
2. The Lots shown on this plan are covered by Final Development Plan Phase 109 recorded in Plat 5054A, Folios 126-140.
3. All coordinates are based on traverse controls for Columbia established by Maps, Inc., in 1965 by Furdum & Jeschke in 1968 which controls were tied to Maryland Bureau of Control Survey monuments and to US Coast & Geodetic Survey monuments in the Columbia area.
4. The area covered in this submission is located on Tax Map #42.
5. The total area included in this plan is 6.250 Acres.
6. All roadways are public & existing.
7. Any damage to county owned rights of way or paving shall be corrected at the developers expense.

LEGEND:

1. Contour Interval 2 Ft
2. Existing Contour 100
3. Proposed Contour 300
4. Spot Elevation +60
5. Direction of Drainage
6. Exist. Trees to be Retained



DRIVEWAY ABUTTING MODIFIED COMB CURB & GUTTER



TYPICAL HOUSES
No Scale

Total Number of Lots ... 26

APPROVED
4-17-79
[Signature]

Note: For Bearings and Distances of Individual Lot Lines See Record Plats 4235 & 4231.

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 CORKWOOD DRIVE, SILVER SPRING, MARYLAND 20904 (301) 593-3400			
DESIGNED	J.M.E.	SITE DEVELOPMENT PLAN LOTS 191 THRU 196 & LOTS 209 THRU 220 & LOTS 290 THRU 297	SCALE 1"=30'
DRAWN	K.I.W.	COLUMBIA	DRAWING 1 of 5
CHECKED	J.M.E.	VILLAGE OF KING CONTRIVANCE SECTION 3 AREA 1 GIVE ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 78-1155
DATE	Mar, 1979	FOR: COLUMBIA BUILDERS 606 AMERICAN CITY BLDG. Columbia, Maryland 21044	FILE NO. 78-1155-X

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER [Signature] DATE 5-16-79

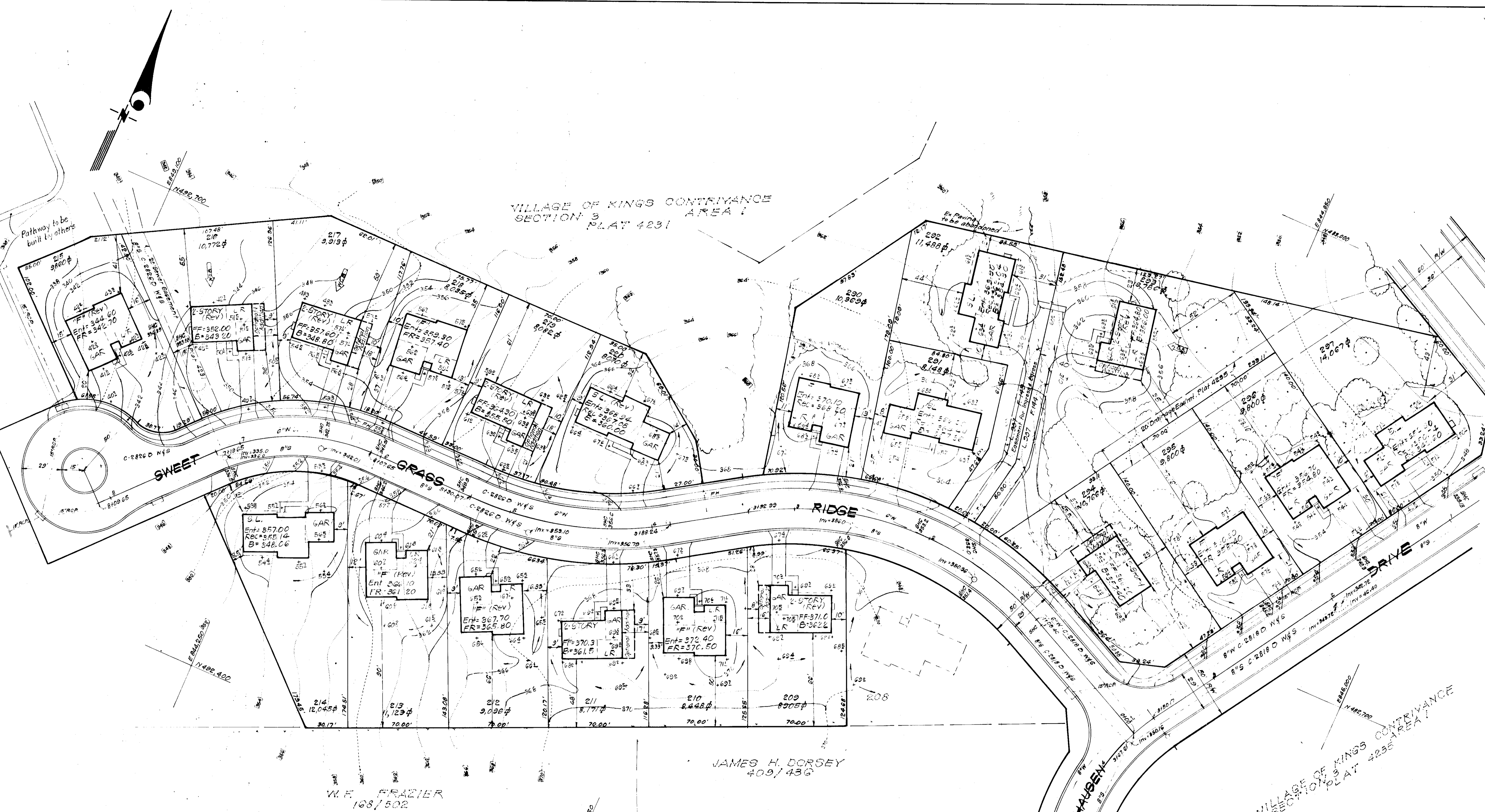
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR [Signature] DATE 5-17-79

CHIEF DIVISION OF LAND DEVELOPMENT
[Signature] DATE 5-16-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR [Signature] DATE 5-14-79

CHIEF BUREAU OF ENGINEERING
[Signature] DATE 5-14-79

VILLAGE OF KINGS CONTRIVANCE
SECTION 3
AREA 1
PLAT 4231



V. F. FRAZIER
168 / 502

JAMES H. DORSEY
409 / 436

VILLAGE OF KINGS CONTRIVANCE
SECTION 3
AREA 1
PLAT 4235
Total Number of Lots 26

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
James B. ... 5-16-79
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
James H. ... 5-17-79
PLANNING DIRECTOR DATE

... 5-16-79
CHIEF DIVISION OF LAND DEVELOPMENT DATE

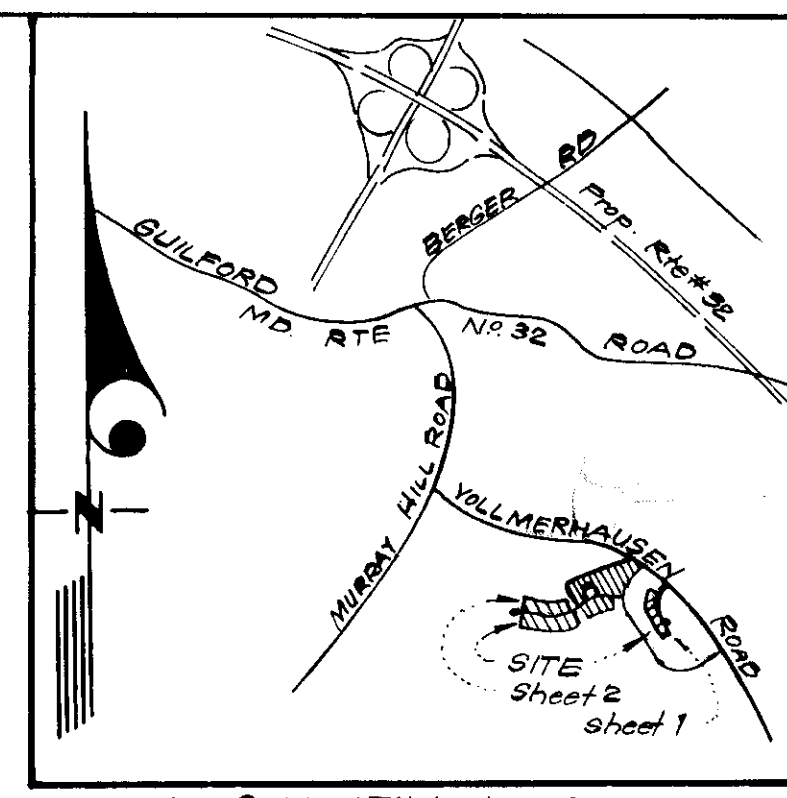
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
... 5-14-79
DIRECTOR DATE

... 5-14-79
CHIEF BUREAU OF ENGINEERING DATE

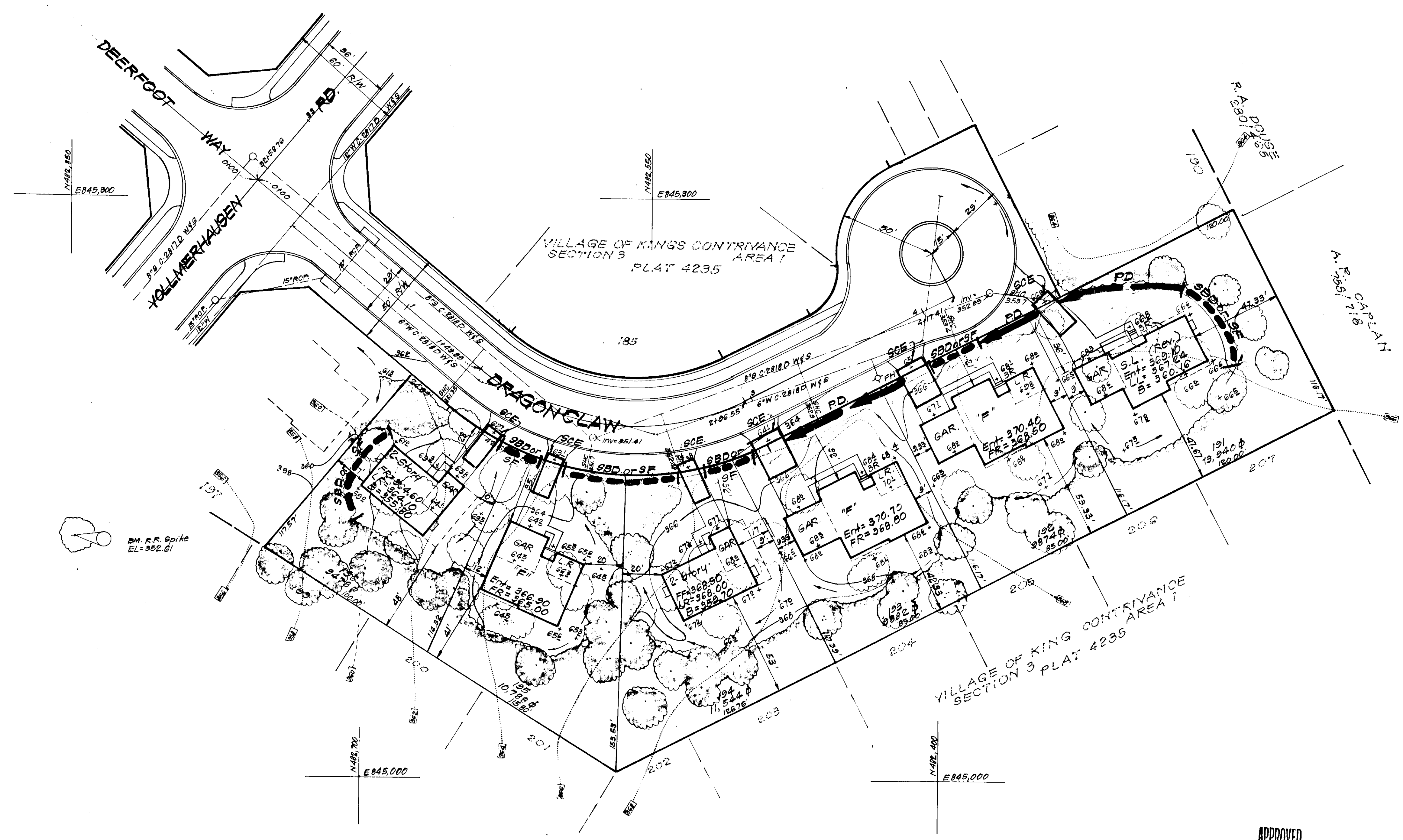
APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 4-17-79

Donald B. Sackett

CLARK • FINEBROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LORWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400			
DESIGNED	J.M.E.	SITE DEVELOPMENT PLAN LOTS 191 THRU 196 & LOTS 209 THRU 220 & LOTS 290 THRU 297 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 1 8th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS 606 American City Bldg. Columbia, Maryland 21044	
DRAWN	K.I.W.		
CHECKED	U.M.E.		
DATE	Mar, 1979		
SCALE	1"=30'		
DRAWING	2 of 5	JOB NO.	78-1155
FILE NO.	78-1155-X		



VICINITY MAP
SCALE: 1"=2000'



- LEGEND:**
- 1. Contour Interval 2 FT.
 - 2. Existing Contour 360
 - 3. Proposed Contour 360
 - 4. Spot Elevation +60^s
 - 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

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 4-17-79

Total Number of Lots... 26

See Record Plats 4235 & 4231

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE 5-16-79

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 5-17-79

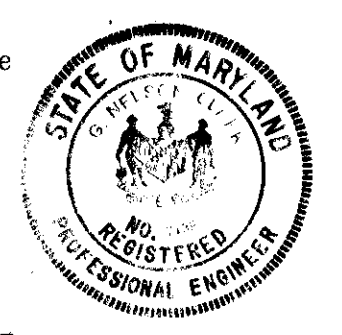
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 5-14-79

Reviewed for... HOWARD COUNTY... S.C.D.
Name
and meets Technical Requirements
of...
Signature
Date
U.S. Soil Conservation Service

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

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.

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.

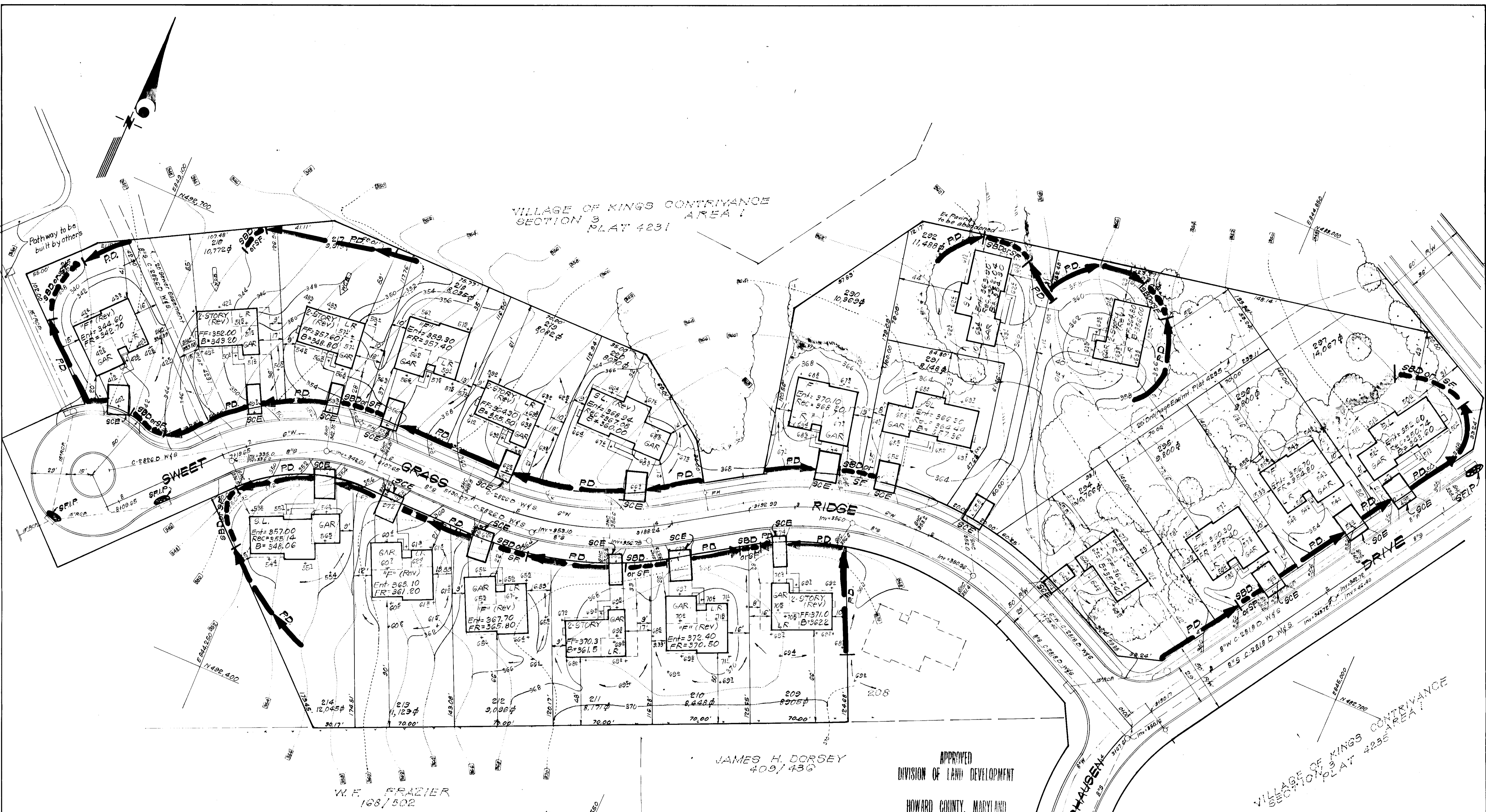


Robert W. Zahn 5/7/79
Approved Date

B. James Greenfield 3-27-79
Signature Date
B. James Greenfield

J. Nelson Clark 3-19-79
Signature Date

CLARK • FINEBROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LUKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400	
DESIGNED J.L.S.	SCALE 1"=30'
DRAWN K.I.W.	DRAWING 3 of 5
CHECKED J.L.S.	JOB NO. 78-155
DATE Mar, 1979	FILE NO. 78-11550E
SEDIMENT & EROSION CONTROL PLAN LOTS 191 THRU 196 & LOTS 208 THRU 220 & LOTS 230 THRU 237 COLUMBIA VILLAGE OF KING CONTRIVANCE SECTION 3 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS 606 AMERICAN CITY BLDG. Columbia, Maryland 21044 SDP-79-117c HC-405	



VILLAGE OF KINGS CONTRIVANCE
SECTION 3
PLAT 4231

JAMES H. DORSEY
409/436

W.F. FRAZIER
168/502

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 4-17-79

VILLAGE OF KINGS CONTRIVANCE
SECTION 3
PLAT 4231

Total Number of Lots .. 26

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
James H. Dorsey 5-16-79
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR DATE
CHIEF DIVISION OF LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Wm. F. Nimp 5-14-79
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING DATE

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
R. W. Zielhu 5/17/79
Signature Date
U.S. Soil Conservation Service

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

Robert W. Zielhu 5/17/79
Signature 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.

B. James Greenfield 3-13-79
Signature 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.

G. Nelson Clark 3-19-79
Signature Date



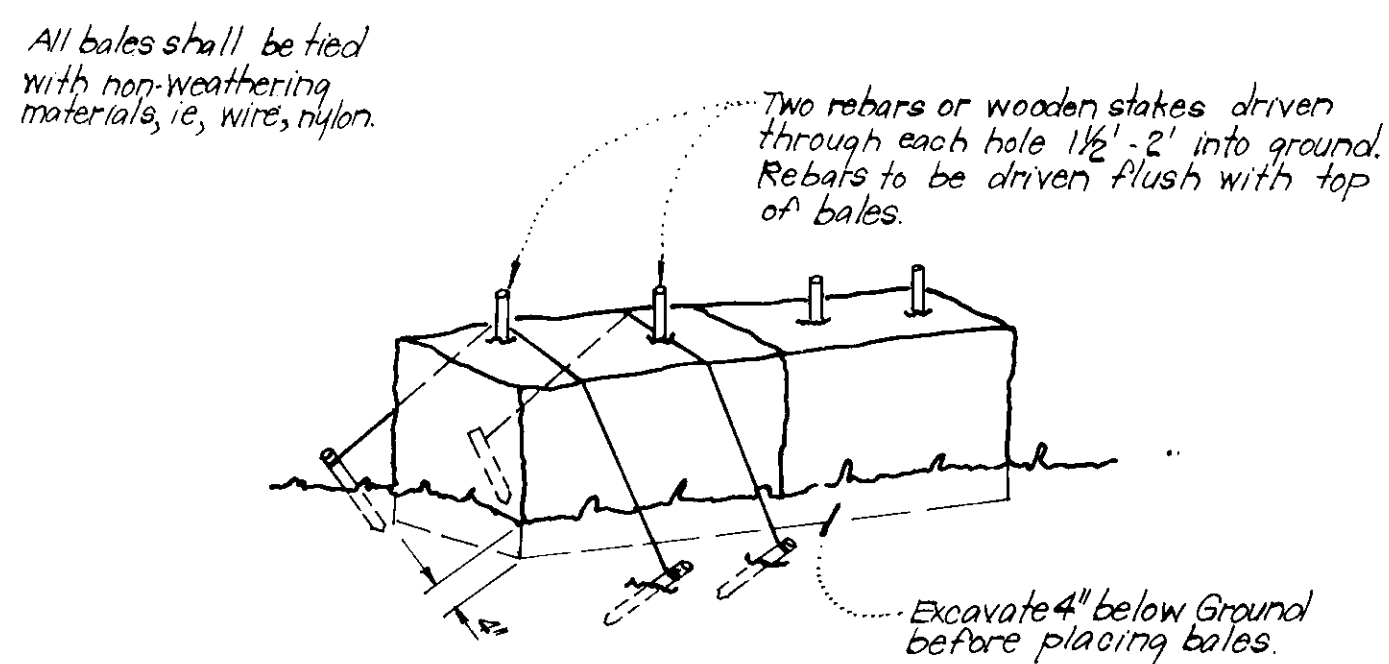
For Individual Bearings & Distances of Lot Line See Plats 4235 & 4231

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400			
DESIGNED	J.L.S.	SCALE	1"=30'
DRAWN	K.I.W.	DRAWING	4 of 5
CHECKED	J.L.S.	JOB NO.	78-1155
DATE	Mar, 1979	FILE NO.	78-1155-5E

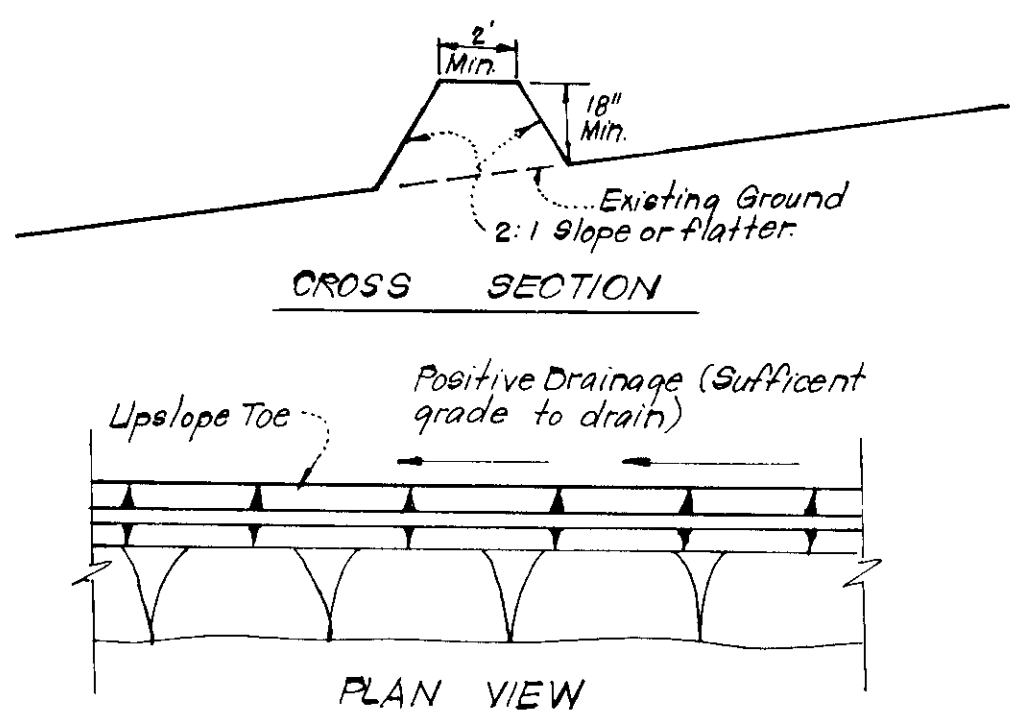
SEDIMENT EROSION CONTROL PLAN
LOTS 191 THRU 196 &
LOTS 209 THRU 220 & LOTS 230 THRU 297
COLUMBIA
VILLAGE OF KINGS CONTRIVANCE
SECTION 3
ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: COLUMBIA BUILDERS
606 American City Bldg.
Columbia, Maryland 21044
SDP-79-117c

GENERAL NOTES

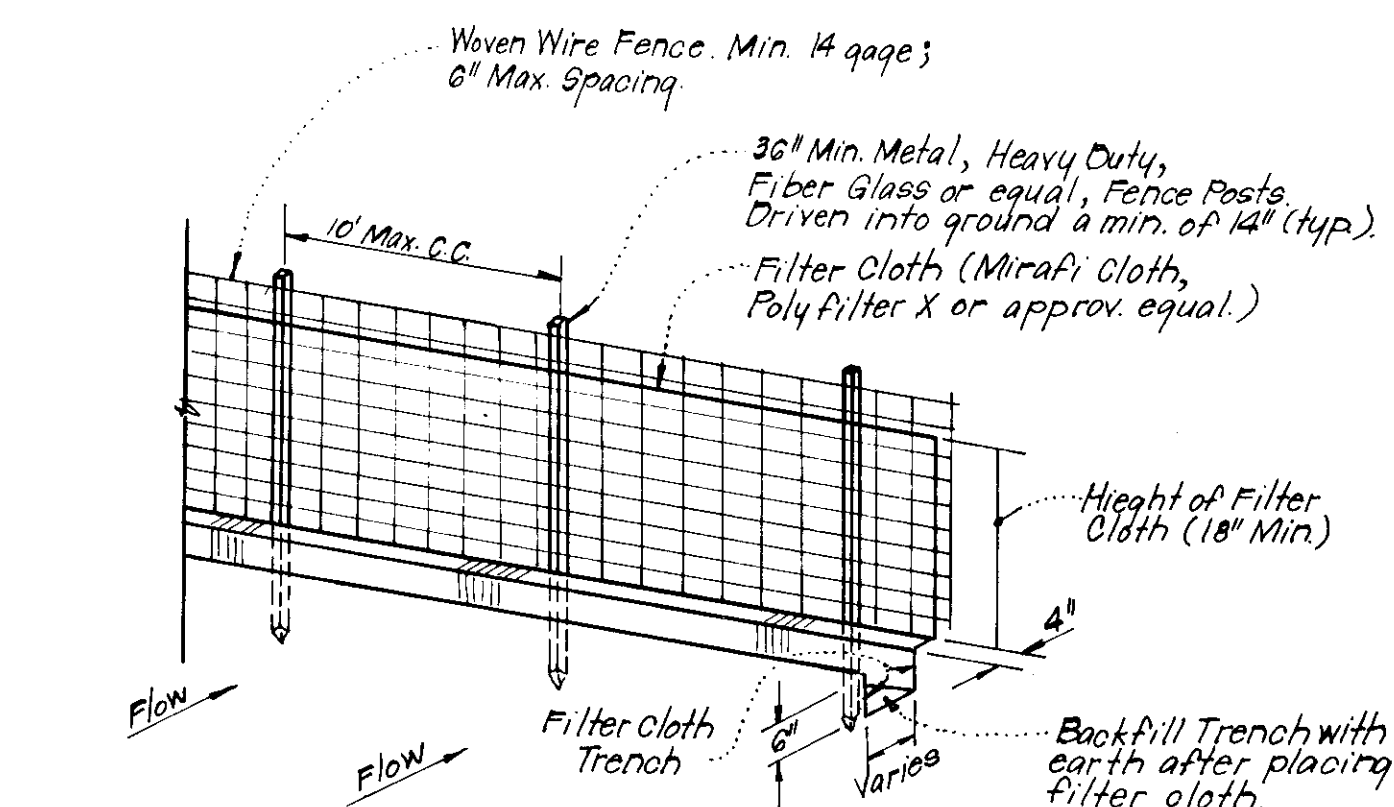
- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization 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:
 - 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.
 - Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 sq ft. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 46 lbs/1000 sq ft.
 - Mulch - Weed free grain straw applied at a rate of 46 lbs/1000 sq ft. Mulch shall be secured to the ground by any approved method i.e.; asphalt tacks, chemical binder, etc.
 - All Seed 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.
- 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 = 630 LF
- SITE ANALYSIS:**
 - Total Area: 6.250 Acres
 - Area to be Roofed: 0.954 Acres
 - Area to be Paved: 0.279 Acres
 - Area to be Seeded: 3.265 Acres
 - Area Undisturbed: 1.753 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.



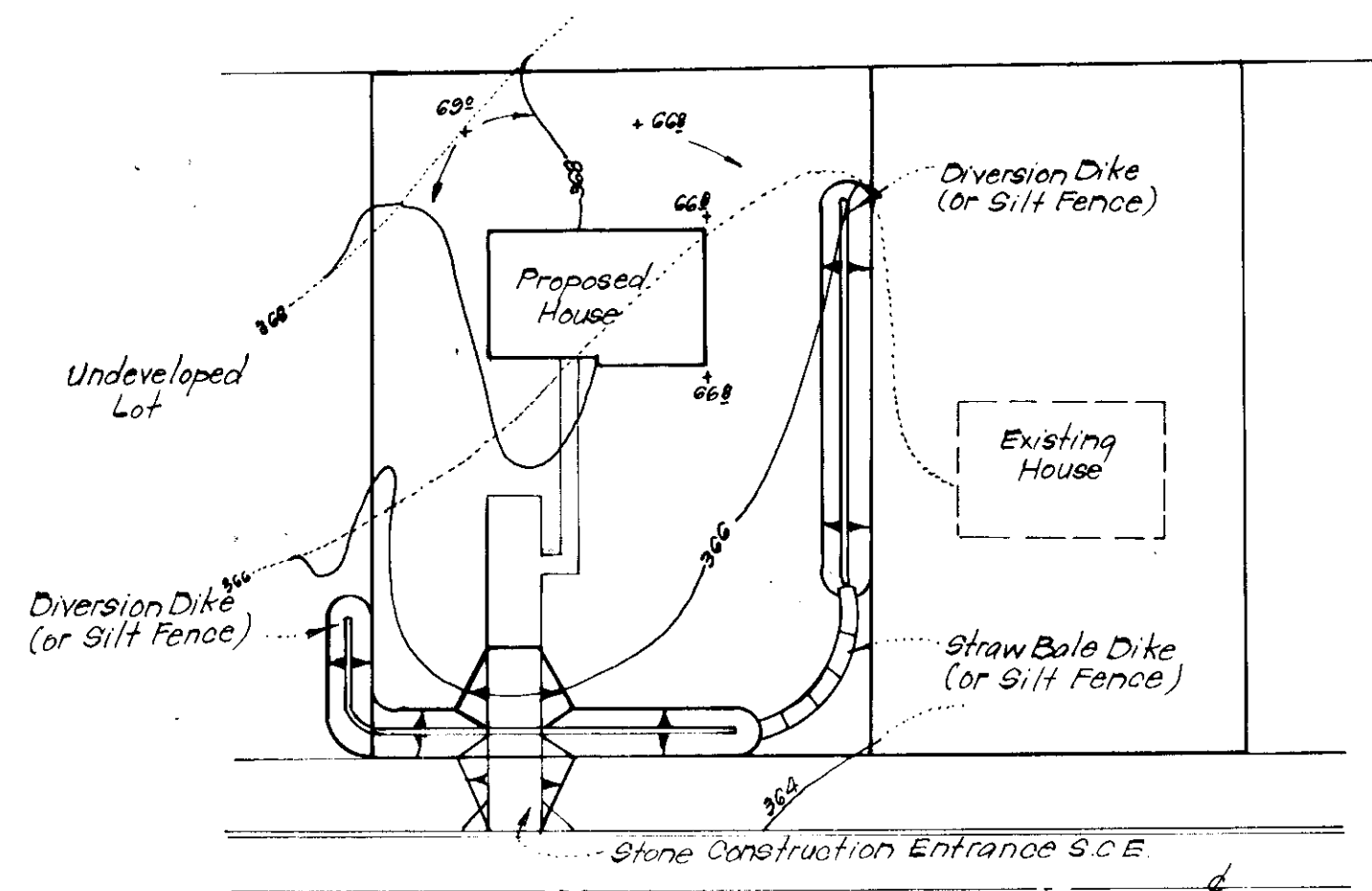
TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)
No Scale



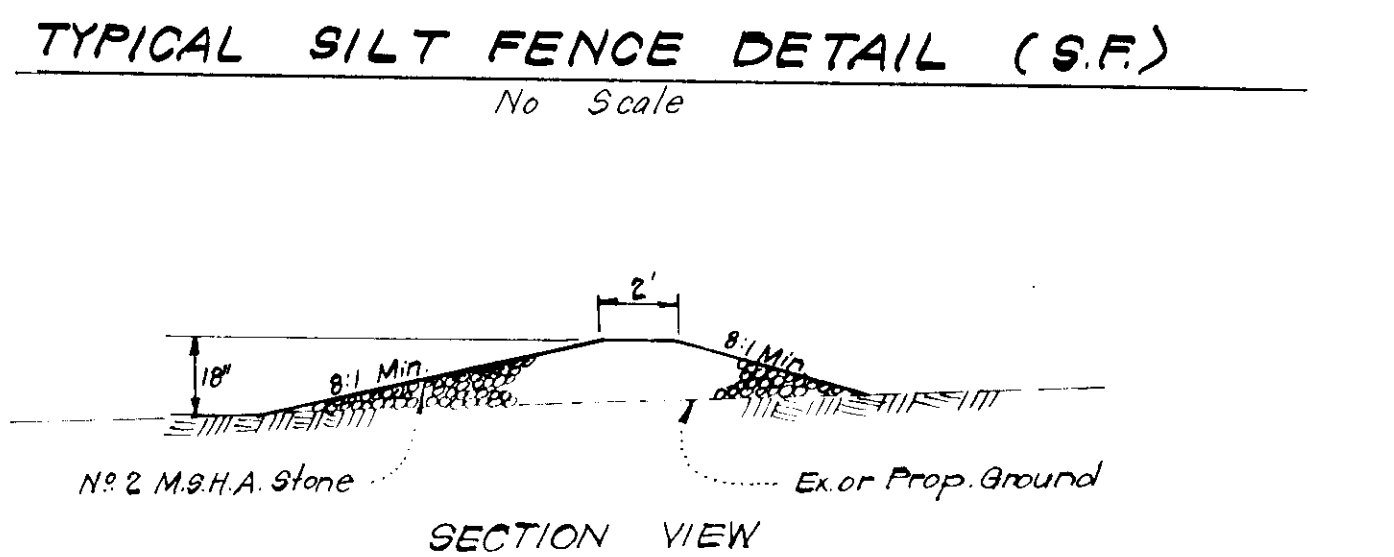
TYPICAL PERIMETER DIKE DETAIL (P.D.)
No Scale



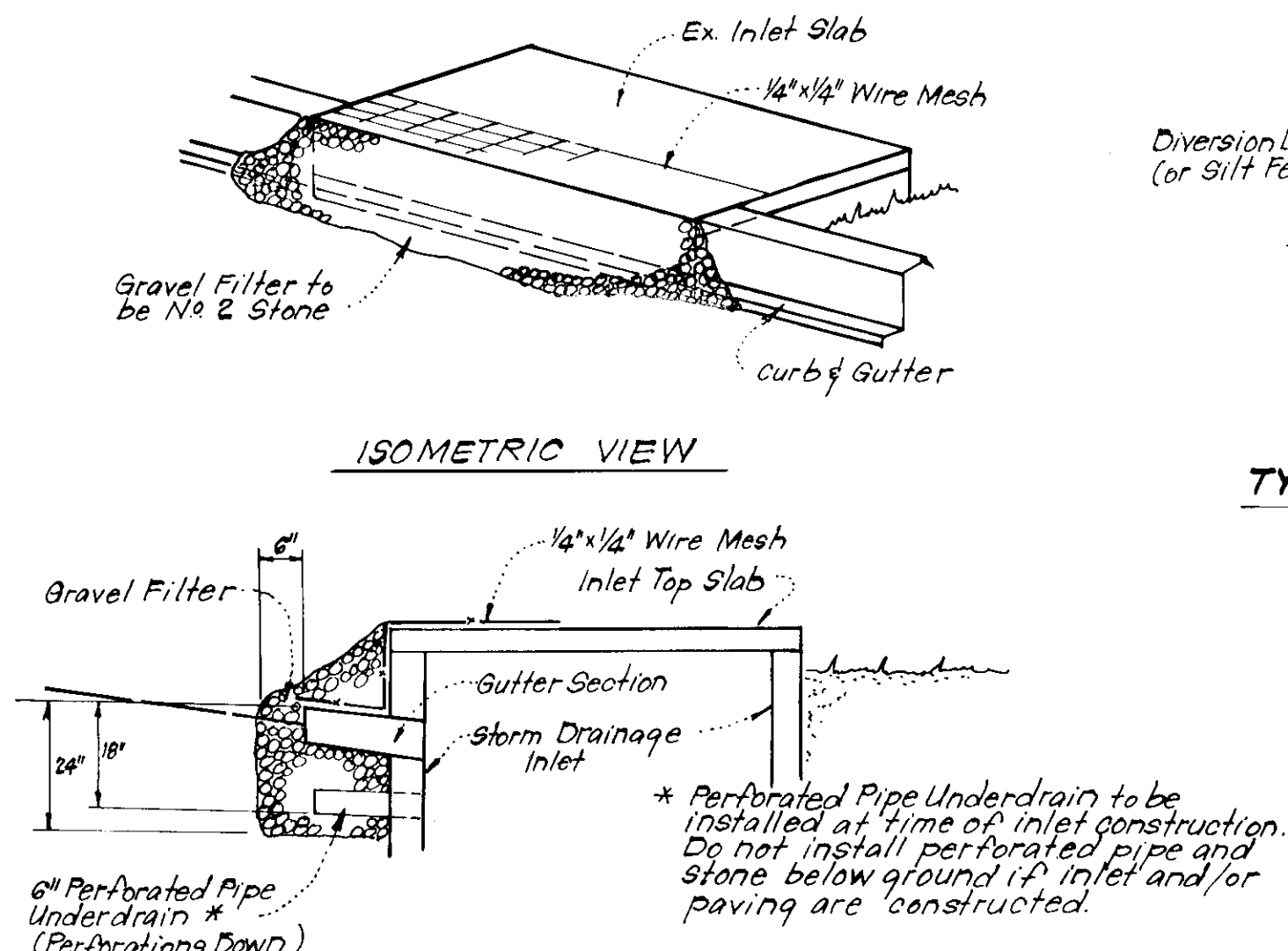
TYPICAL SILT FENCE DETAIL (S.F.)
No Scale



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale



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



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

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE: 4-17-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
Joseph P. Jones 5-16-79
HEALTH OFFICER DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR DATE
CHIEF DIVISION OF LAND DEVELOPMENT DATE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Wm. F. Nummy 5-14-79
DIRECTOR DATE
CHIEF BUREAU OF ENGINEERING DATE

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
Robert Zahn 5/7/79
Signature Date
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT.

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
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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.



Robert Zahn 5/7/79
Approved Date

B. James Greenfield 5-19-79
Signature Date
B. James Greenfield

H. Nelson Clark 5-19-79
Signature Date
H. Nelson Clark

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 13315 LICKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400	
DESIGNED <i>J.L.S.</i>	SCALE As Shown
DRAWN <i>K.I.W.</i>	DRAWING 5 of 5
CHECKED <i>J.L.S.</i>	JOB NO. 78-1155
DATE Mar, 1979	FILE NO. 78-1155-SE
SEDIMENT & EROSION CONTROL PLAN LOTS 191 THRU 196 & LOTS 209 THRU 220 & LOTS 230 THRU 237 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 3 6TH ELECTION DISTRICT AREA 1 HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS 606 American City Bldg. Columbia, Maryland 21044	