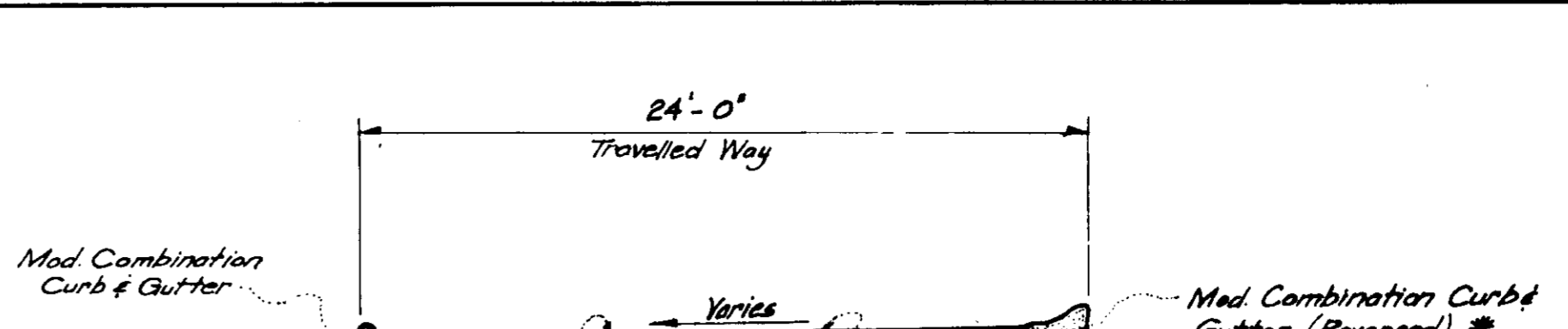
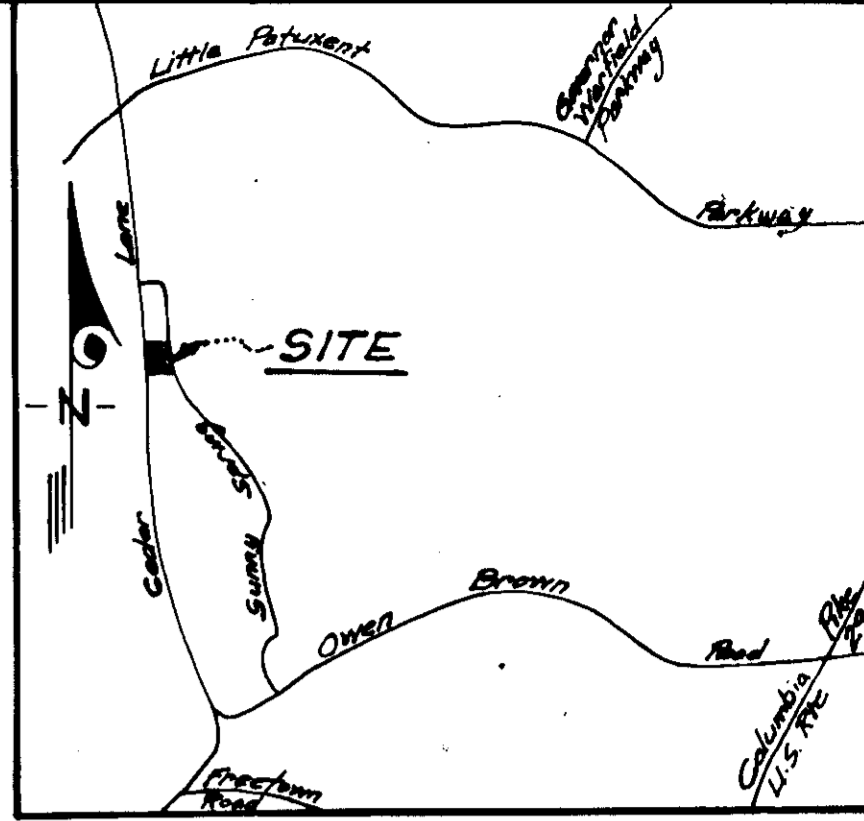


MODIFIED COMBINATION CURB & GUTTER
No Scale
Howard Co Std. Dwg # D-16, pg. 165 F.



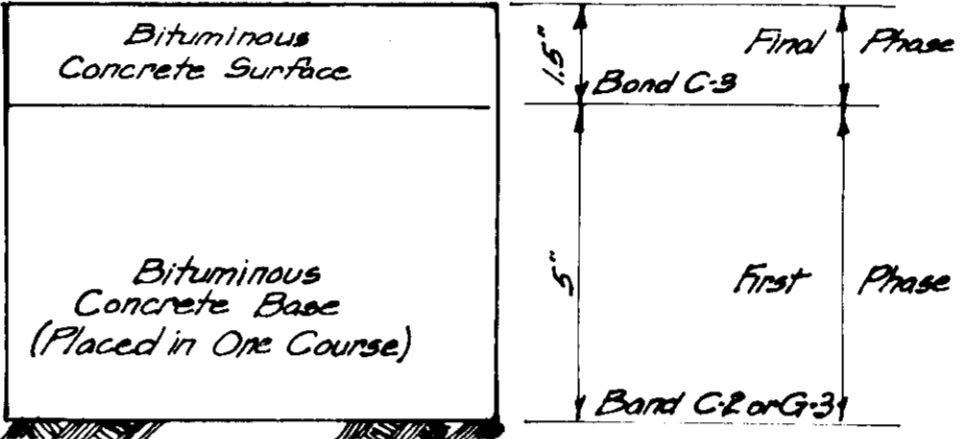
TYPICAL PAVING SECTION PRIVATE DRIVE
No Scale



VICINITY MAP
SCALE: 1" = 2000'

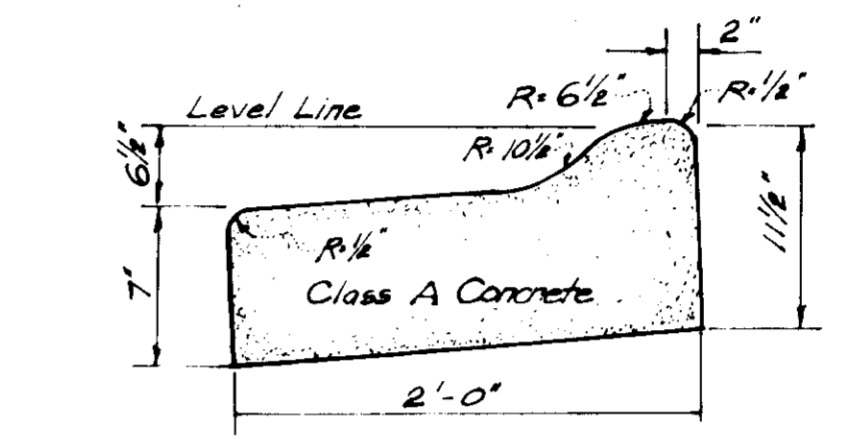
NOTE: Where direction of flow is toward the curb Mod. Comb. Curb & Gutter shall be used instead of Mod. Comb. Curb & Gutter (Reversed).

NOTE: All Material and Construction Methods shall be in accordance with Howard Co. Road Constr. Code.

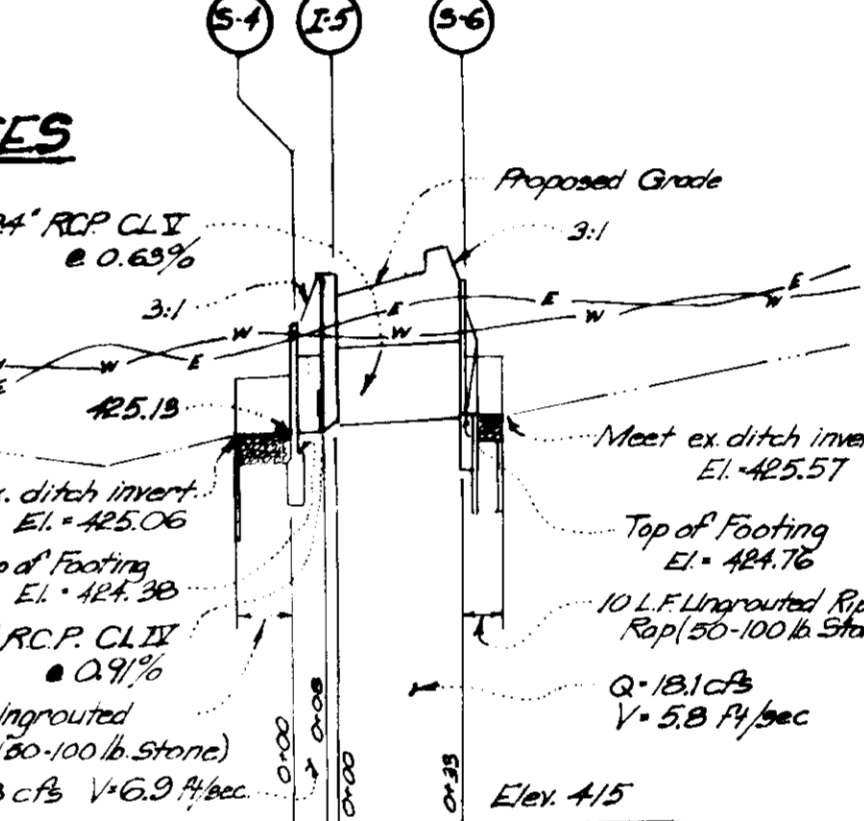


PAVEMENT REPLACEMENT FOR ENTRANCES INTO PUBLIC ROADS
No Scale

To be constructed in accordance with the Howard County Road Construction Code and Specifications.



MODIFIED COMBINATION CURB & GUTTER (REVERSED)
No Scale



STORM DRAIN PROFILES
Scales: Horiz. 1" = 50', Vert. 1" = 5'

- LEGEND**
1. Contour Interval 2 Ft.
 2. Existing Contour - - - - - 370
 3. Proposed Contour - - - - - 370
 4. Spot Elevation +70E
 5. Direction of Drainage →
 6. Existing Trees to be Retained (Symbol)

GENERAL NOTES

1. The land included in this plan is zoned New Town (S.F.M.D.).
2. The lots shown on this plan are covered by Final Development Plan Phase 100-A, recorded in PB 20, Folios 147 to 157.
3. All coordinates are based on Maryland State Grid System. Elevations are based on the U.S. Coast & Geodetic Survey Mean Sea Level Datum of 1929.
4. The Area covered in this submission is located on Tax Map No. 35.
5. The total Area included in this plan is 18.4 acres.
6. Public water and sewer to be utilized.
7. 24-foot driveways, carports & parking spaces are to be privately owned and maintained.
8. All public facilities shown are existing; i.e. roads, storm drain lines, water & sewer lines and easements. Sidewalk shown on Sunny Spring taken from approved Construction Plans.
9. Parking Spaces Required: 19. Parking Spaces Provided: 27.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 3-29-78

STRUCTURE		SCHEDULE		INVERTS	
No.	TYPE	TOP ELEVATION	REMARKS	INT.	OUT.
5-A	C-Endwall		Howard Co. Std. D-52, P. 107 Dia. 24"	425.13	425.13
5-B	A-10 Inlet	429.4	Howard Co. Std. D-64 A, P. 119-A W. 2'-6"	425.30	425.20
5-C	A-Headwall		Howard Co. Std. D-5DD-1B Dia. 24"	425.51	425.61

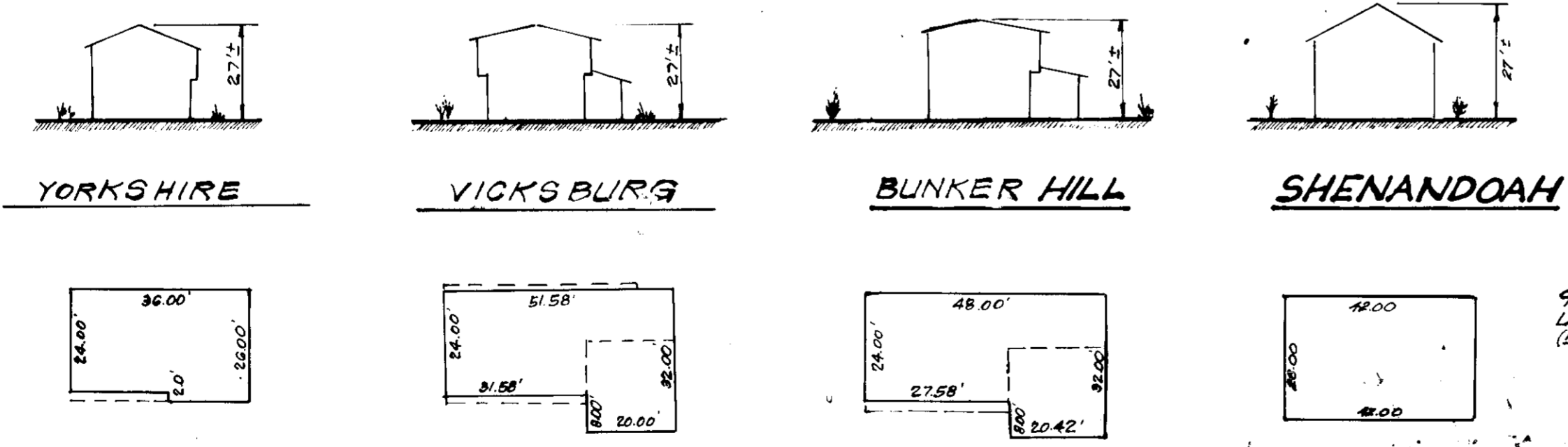
1. Increase H dimension by 9" to allow for Rip-Rap Construction.
2. Increase H dimension by 9" at Str. #6 to allow for Concrete Paving and Rip-Rap Construction.

PIPE SCHEDULE		
SIZE	TYPE	LENGTH
24"	RCP CLIX	84 L.F.
24"	RCP CLIX	33 L.F.

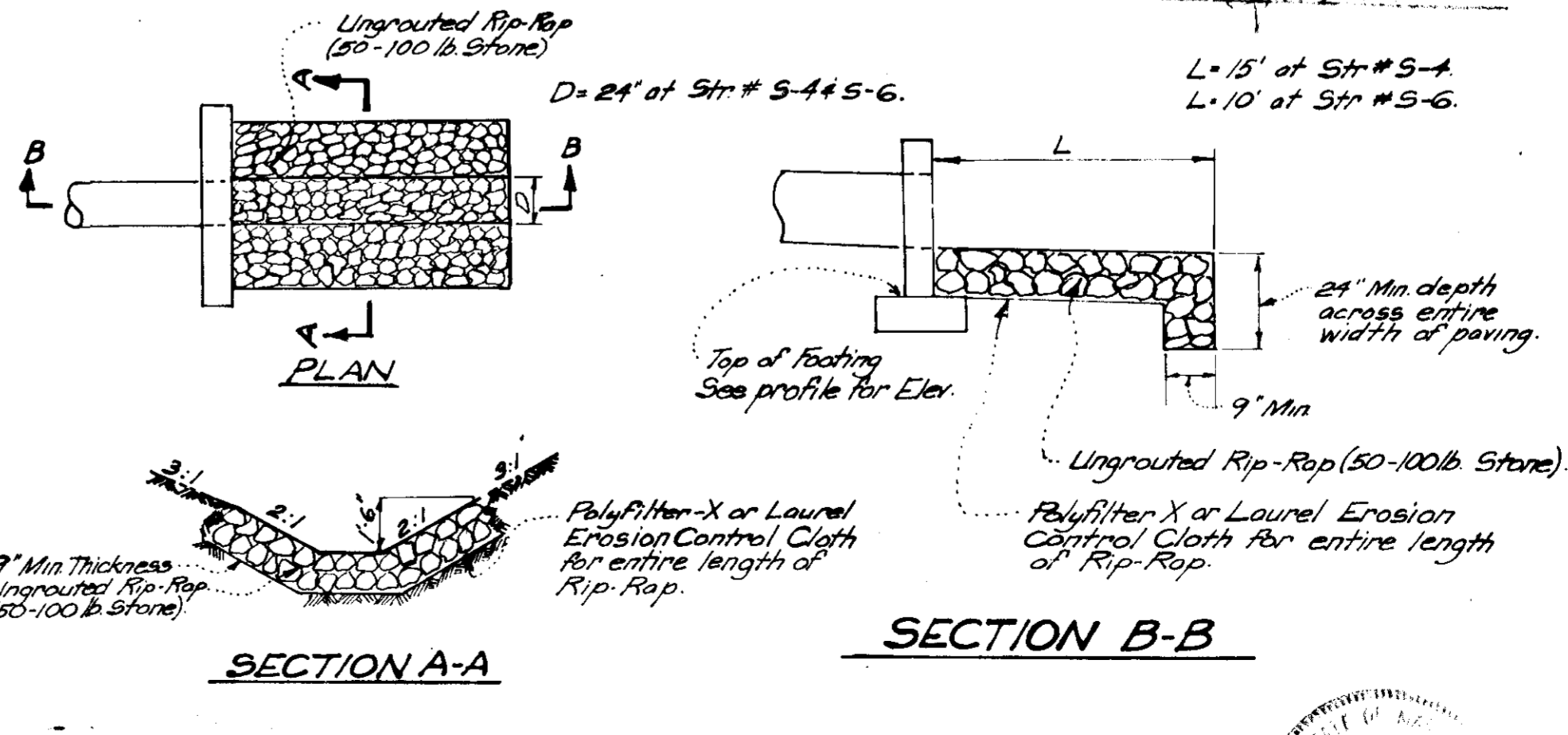
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE: 5-18-78

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 3-29-78

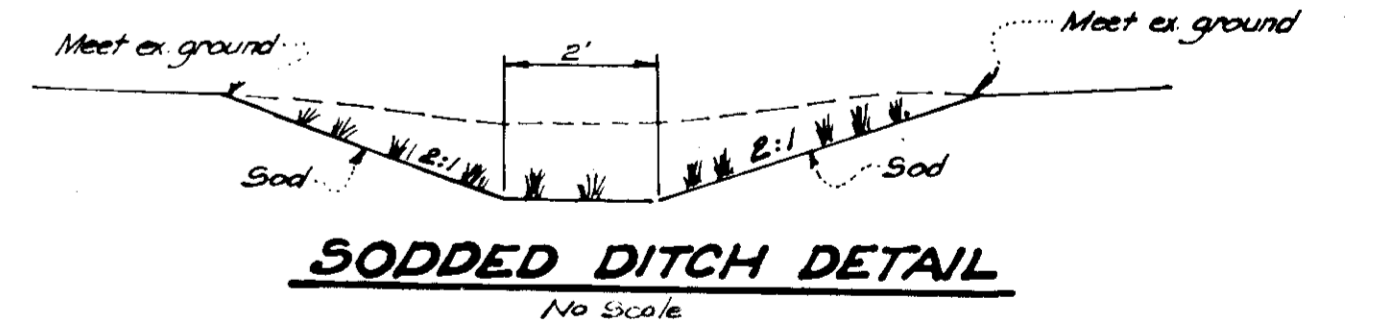
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 5/15/78



TYPICAL HOUSES
No Scale



RIP-RAP PAVING DETAILS
No Scale



SODDED DITCH DETAIL
No Scale

NOTE: For bearings & distances of individual lot lines see record plat recorded as Plat No. 3567.

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11115 LOKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 583 3400

SITE DEVELOPMENT PLAN
LOTS A-1 THRU A-9
COLUMBIA
SECTION 1 AREA 1
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

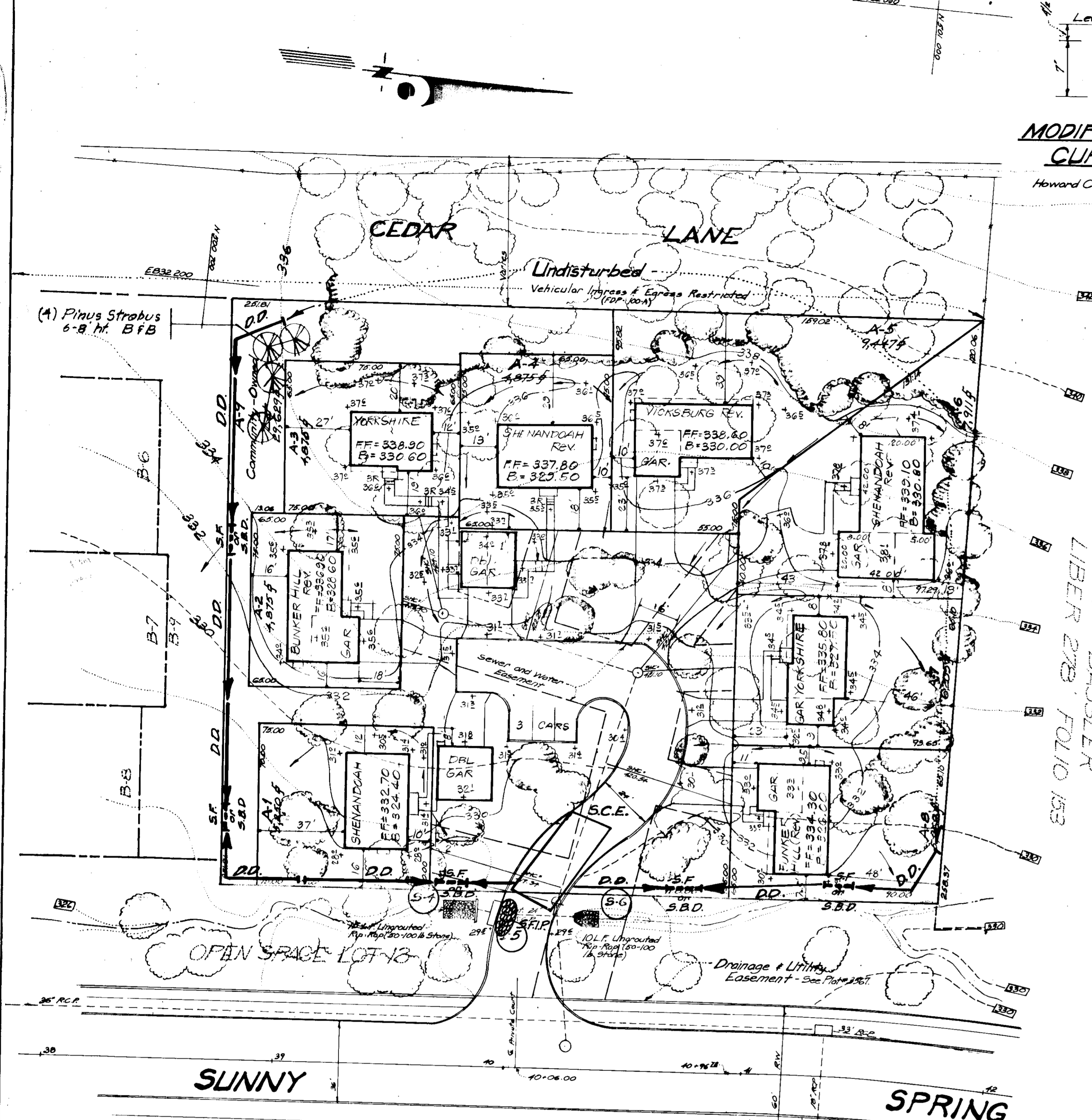
DESIGNED: D.R.H.
DRAWN: D.R.H.
CHECKED: D.B.S.
DATE: Dec., 1977

SCALE: 1" = 30'
DRAWING: 1 of 3
JOB NO.:
FILE NO.: 1909-X

FOR: J.D. EVANS, Inc., 5391 Lighthouse Court, Columbia, Maryland 21044

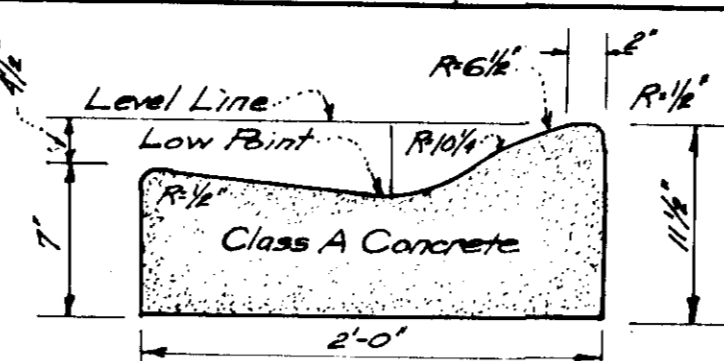
SDP-78-66c See also HC-181, 5171, 1271, 52E

NO.	REVISION	DATE
1	Changed House Type & Grading on Lot A-G	4-16-78



MODIFIED COMBINATION CURB & GUTTER

No Scale
Howard Co Std. Dwg # D-16, pg. 165-F



1" Bituminous Conc. Surface Course
4" Bituminous Conc. Base Course

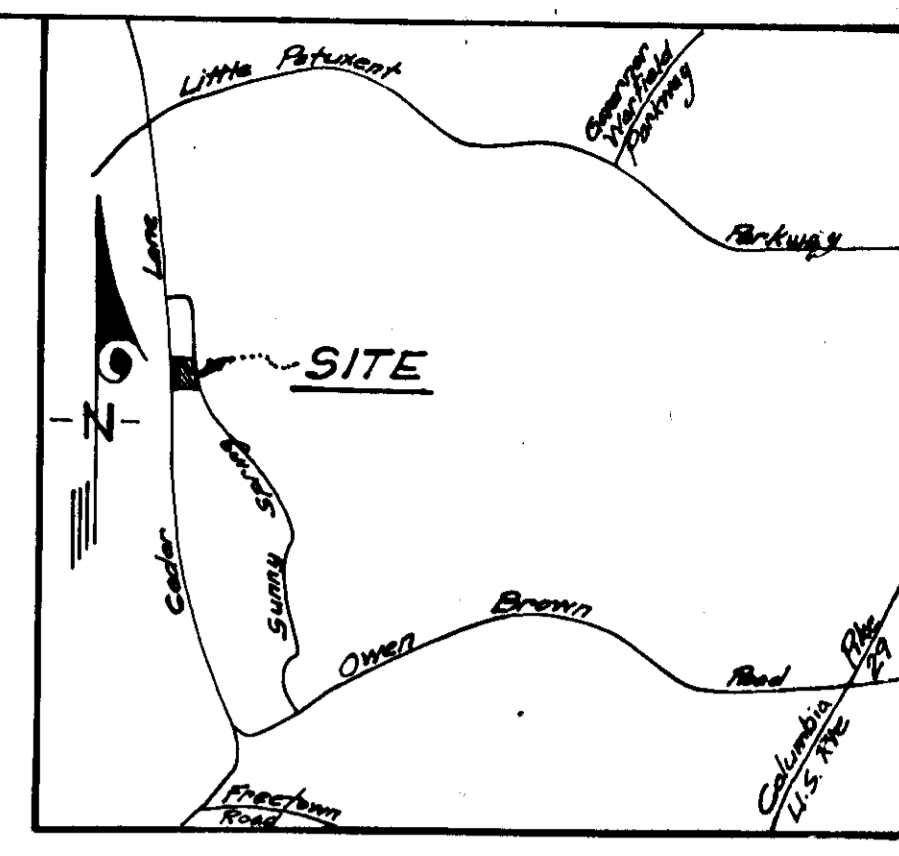
NOTE: Where direction of flow is toward the curb Mod. Comb. Curb & Gutter shall be used instead of Mod. Comb. Curb & Gutter (Reversed).

Tack Coat in accordance with Howard Co. Specs. C-31-4.
Prima Coat in accordance with Howard Co. Specs. C-30-3.

NOTE: All Material and Construction Methods shall be in accordance with Howard Co. Road Constr. Code.

TYPICAL PAVING SECTION PRIVATE DRIVE

No Scale



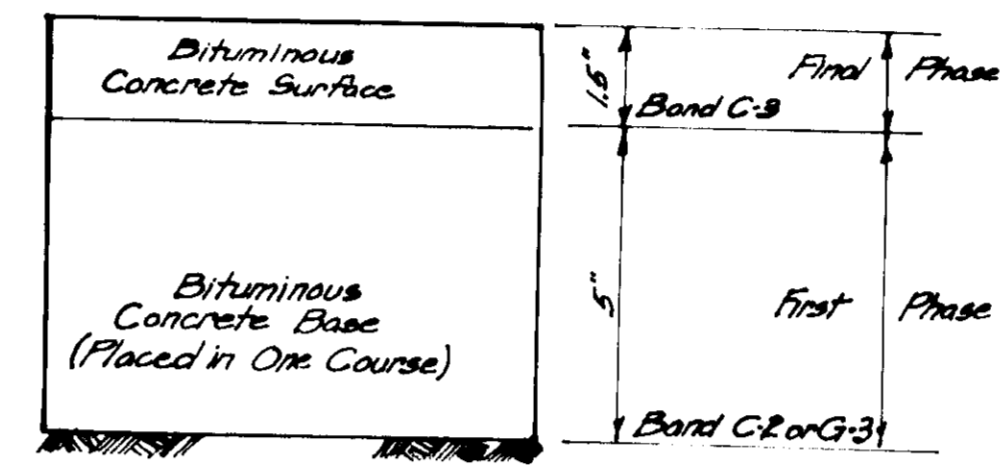
VICINITY MAP
SCALE: 1" = 2000'

LEGEND

- Contour Interval 2 Ft.
- Existing Contour - - - - - 370
- Proposed Contour - - - - - 370
- Spot Elevation +70E
- Direction of Drainage →
- Existing Trees to be Retained
- Diversion Dike D.D.
- Silt Fence or Straw Bale Dike S.F. / S.B.D.
- Stone Filter Inlet Protection S.F.I.P.
- Stone Construction Entrance S.C.E.

PAVEMENT REPLACEMENT FOR ENTRANCES INTO PUBLIC ROADS

No Scale

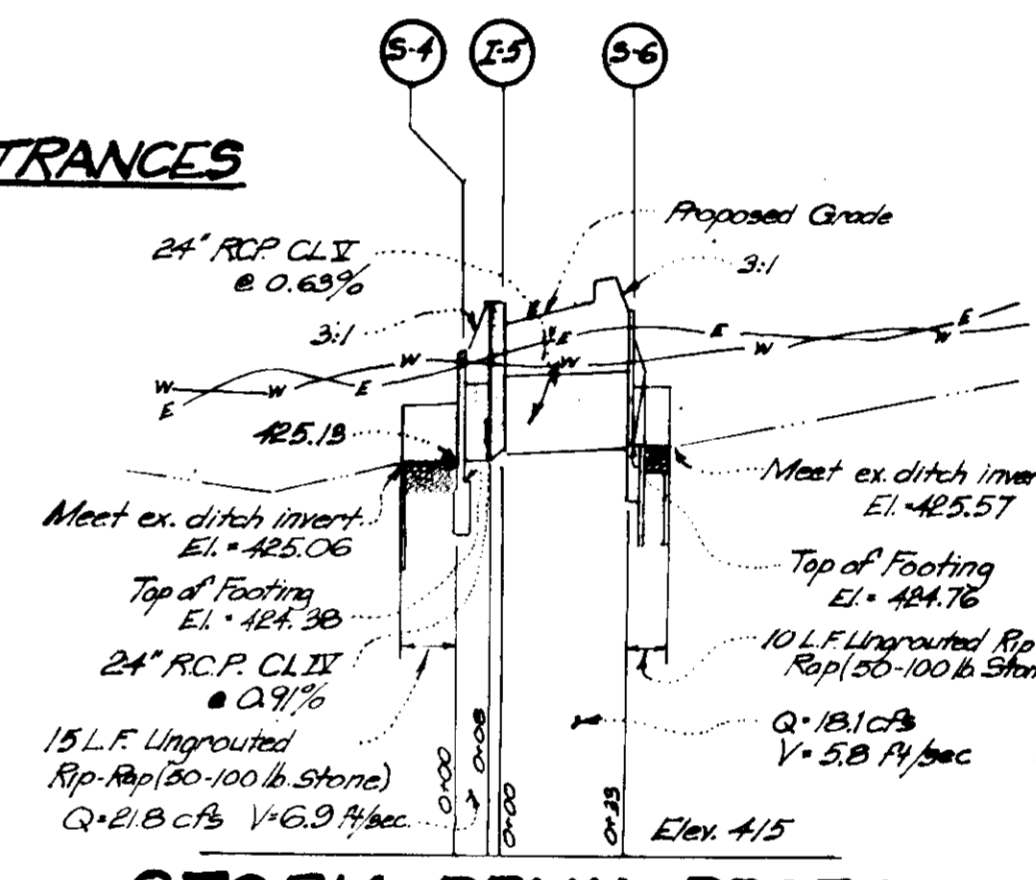
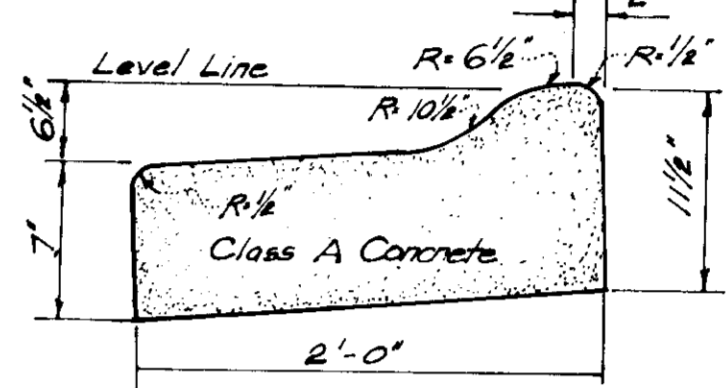


Clearing & Grading Article C-1
Subgrade Article C-2
Base Course Article C-3/ or C-33
Surface Course Article C-31

To be constructed in accordance with the Howard County Road Construction Code and Specifications.

MODIFIED COMBINATION CURB & GUTTER (REVERSED)

No Scale

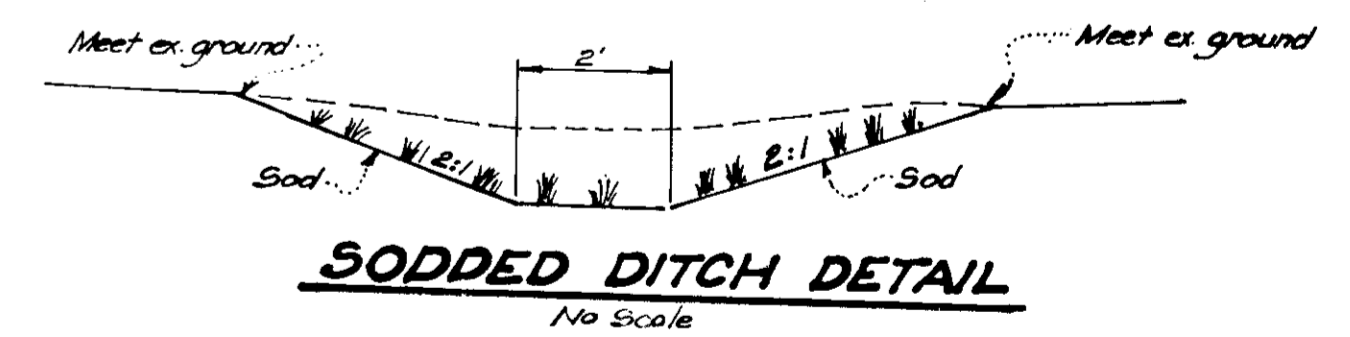


STORM DRAIN PROFILES

Scales: Horiz. 1" = 50'
Vert. 1" = 5'

GENERAL NOTES

- The land included in this plan is zoned New Town (S.F.M.D.).
- The lots shown on this plan are covered by Final Development Plan Phase 100-A, recorded in FBS 20, Folios 149 to 157.
- All coordinates are based on Maryland State Grid System. Elevations are based on the U.S. Coast & Geodetic Survey Mean Sea Level Datum of 1929.
- The Area covered in this submission is located on Tax Map No. 35.
- The total Area included in this plan is 1814 acres.
- Public water and sewer to be utilized.
- 24'-foot driveways, carports & parking spaces are to be privately owned and maintained.
- All public facilities shown are existing, i.e. roads, storm drain lines, water & sewer lines and easements. Sidewalk shown on Sunny Spring taken from approved Construction Plans.
- Parking Spaces Required: 19.
Parking Spaces Provided: 27.



SODDED DITCH DETAIL

No Scale

NOTE: For bearings & distances of individual lot lines see record plat recorded as Plat No. 3567.

STRUCTURE		SCHEDULE	
No.	TYPE	TOP ELEVATION	REMARKS
S-4	C-Endwall		Howard Co Std. D-52, pg. 107 Dia. 24"
E-5	A-10 Inlet	429.4	Howard Co Std. D-64, pg. 119-A W. 2'-6"
S-6	A-Headwall		Howard Co Std. D-SDD-1E Dia. 24"

PIPE SCHEDULE		
SIZE	TYPE	LENGTH
24"	RCP CLIX	3LF
24"	RCP CLIX	33LF

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Joyce Boylun 5-18-78
HEALTH OFFICER

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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Richard A. Saludenbeerg 5/15/78
DIRECTOR

W.O. Saludenbeerg 5/15/78
CHIEF BUREAU OF ENGINEERING

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
Wm. L. Bunker 5-8-78
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 will 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.

Wes EARP Approved 5-8-78 Date

J.D. Evans 5-5-78 Date
Signature

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 5-8-78 Date
Signature

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 3-29-78
JWM



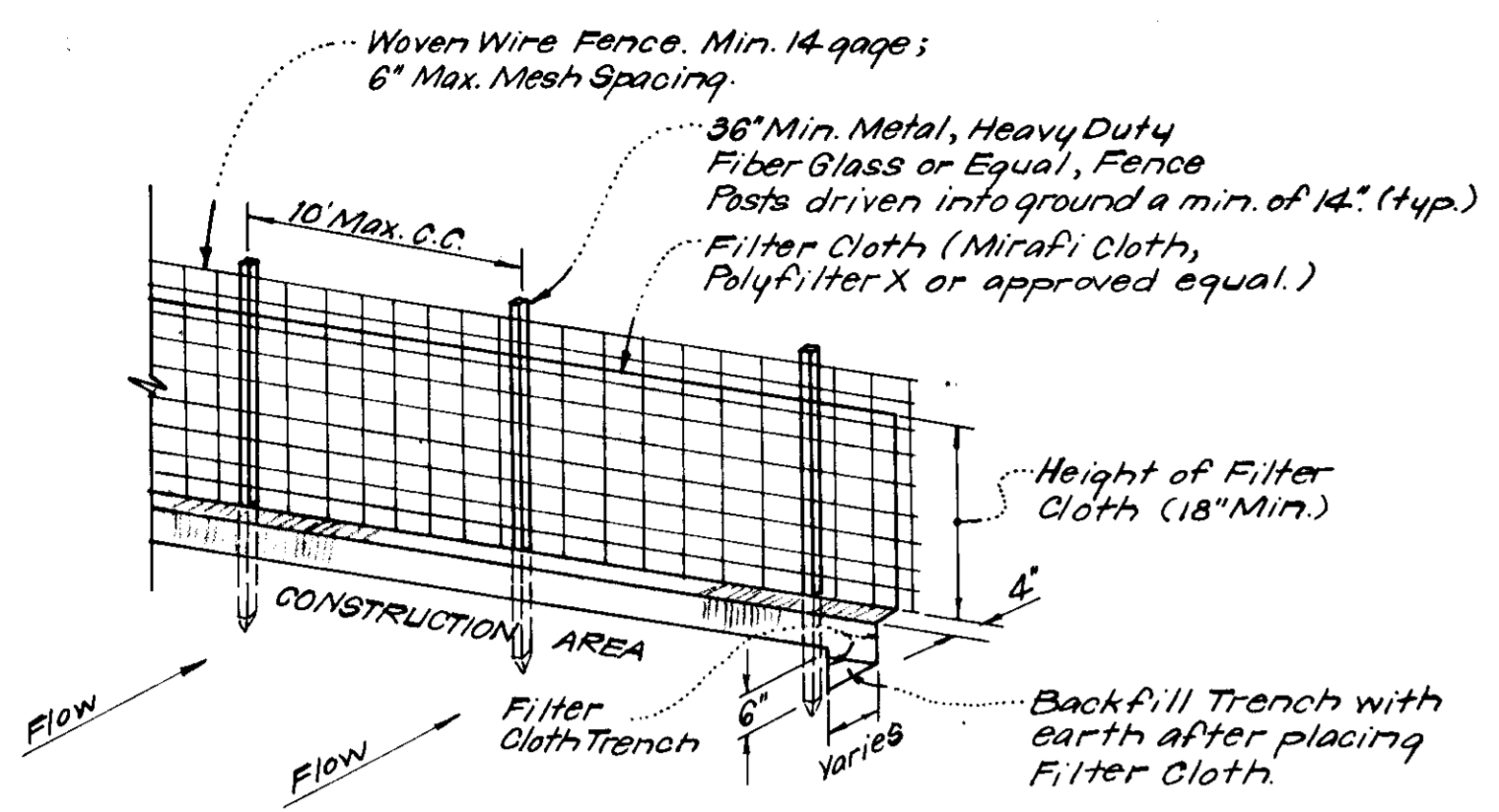
CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED DRH.	SEDIMENT & EROSION CONTROL PLAN LOTS A-1 THRU A-9 COLUMBIA THE VILLAGE OF HICKORY RIDGE SECTION 1 AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN DRH.		DRAWING 2 of 3
CHECKED DBS.		JOB NO.
DATE Dec., 1977		FILE NO. 1271-5E

FOR: **J.D. EVANS, Inc.**
5591 Lighthouse Court
Columbia, Maryland 21044
SDP-78-66c

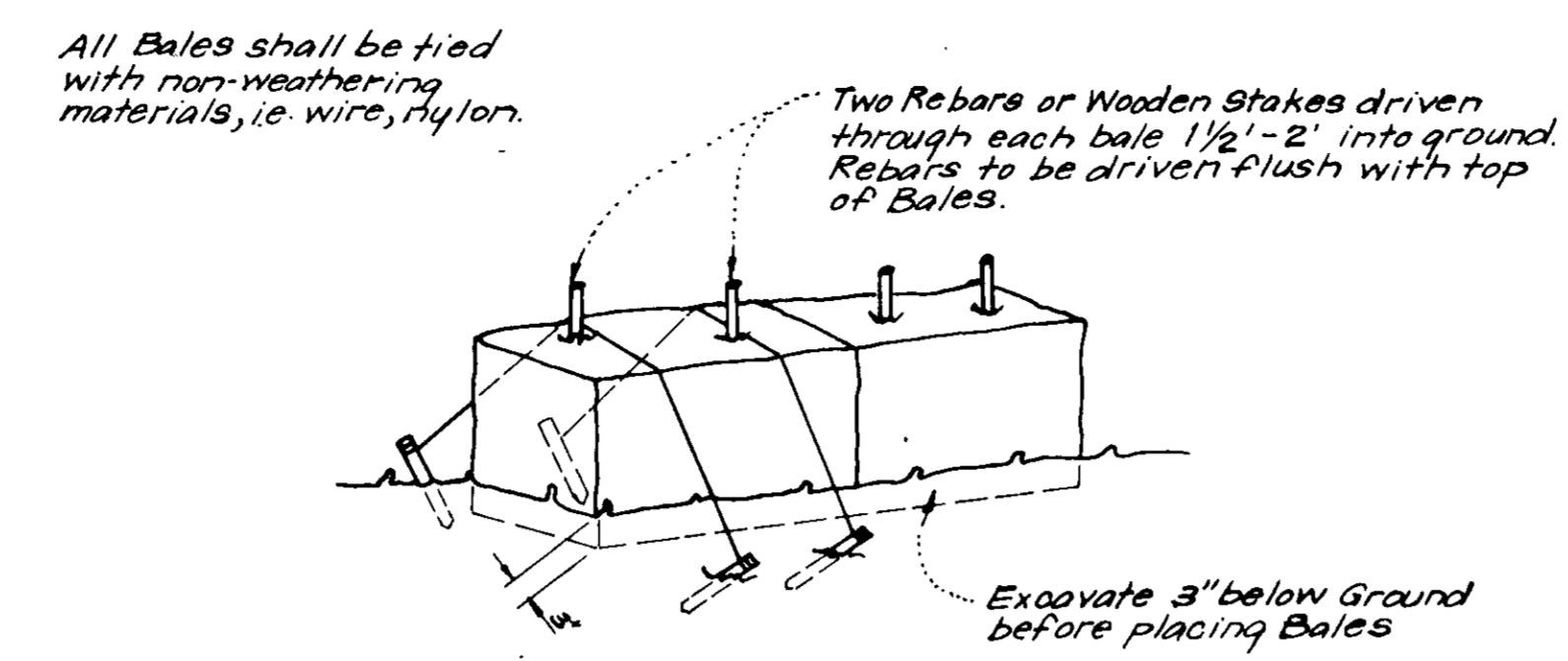
GENERAL NOTES

- 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 #5 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 hours 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 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 the rate of 23 lbs/1000 sq. ft. Ground Agricultural Lime or Dolomitic Lime applied at the rate of 46 lbs/1000 sq. ft.
 - Mulch - Wood fibre grain straw applied at the rate of 70 lbs/1000 sq. ft. Mulch shall be secured to the ground by any approved method i.e. asphalt tacks, chemical binder, wood chips, etc.
- 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.
- Protection of stabilized area from sediment runoff shall be provided by the use of an approved sediment control device, i.e. straw bale, diversion dike, etc.
- The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
- Stabilized Construction Entrances shall be constructed at all construction entrances.
- SITE ANALYSIS:**
 - Total Area = 1.814 Acres.
 - Area to be Roofed = 0.215 Acres.
 - Area to be Paved = 0.182 Acres.
 - Area to be Seeded = 0.283 Acres.
 - Area Undisturbed = 1.113 Acres.
- CONSTRUCTION SEQUENCE:**
 - Install Sediment & Erosion Control Devices and stabilize Diversion Dikes.
 - Excavate for Foundations and Rough Grade.
 - Erect Structures, Drive ways and Sidewalks.
 - Final Grade and stabilize in accordance with Note #5.
- 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.
- It will be the Developer's responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
- Total Amount of Straw Bales or Silt Fence shown = 56 L.F.



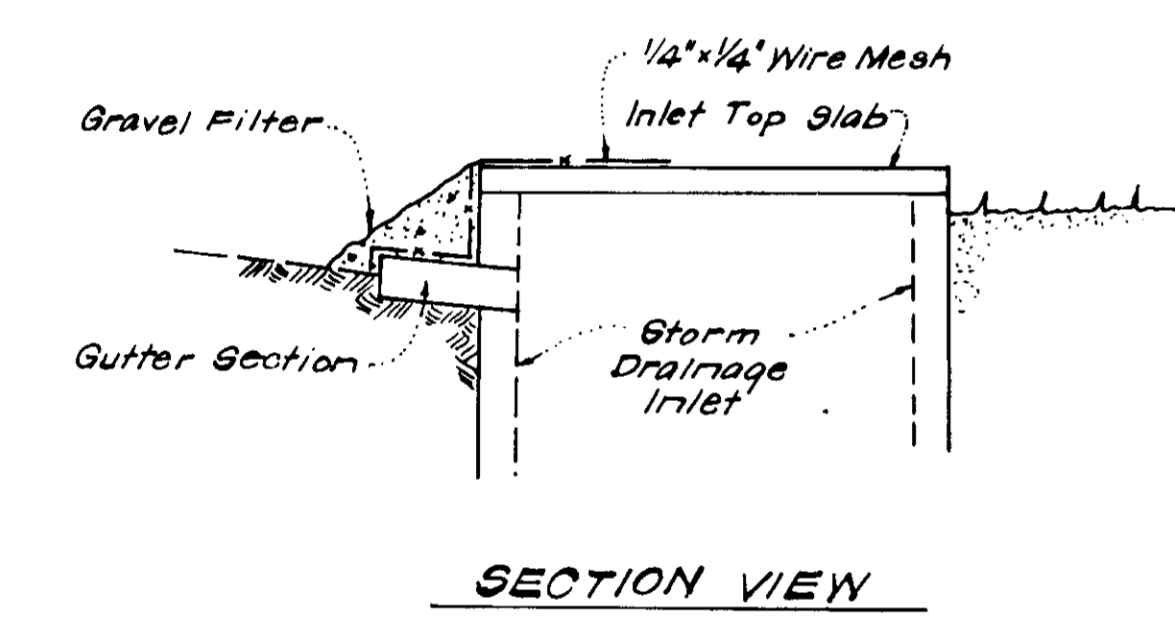
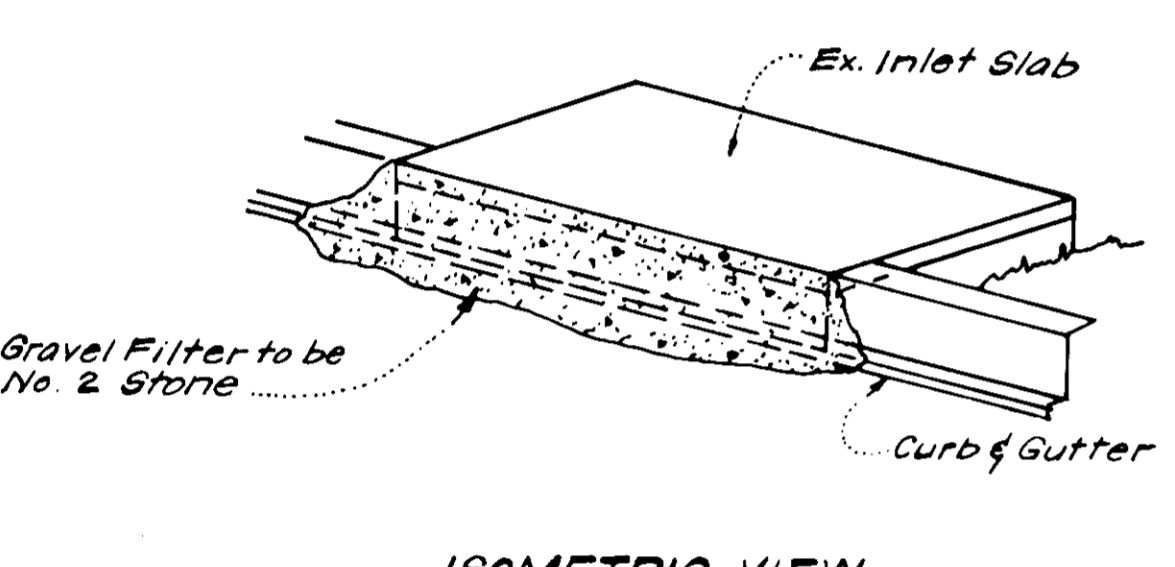
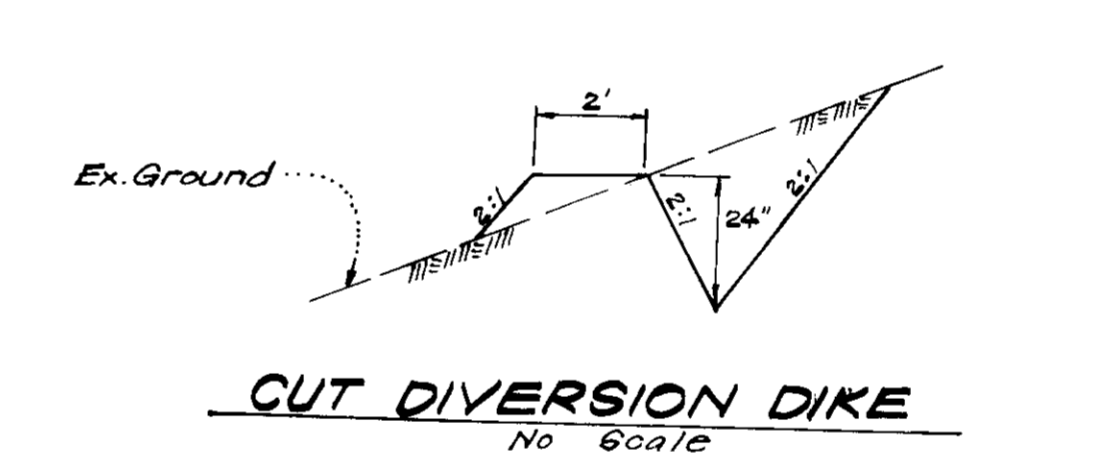
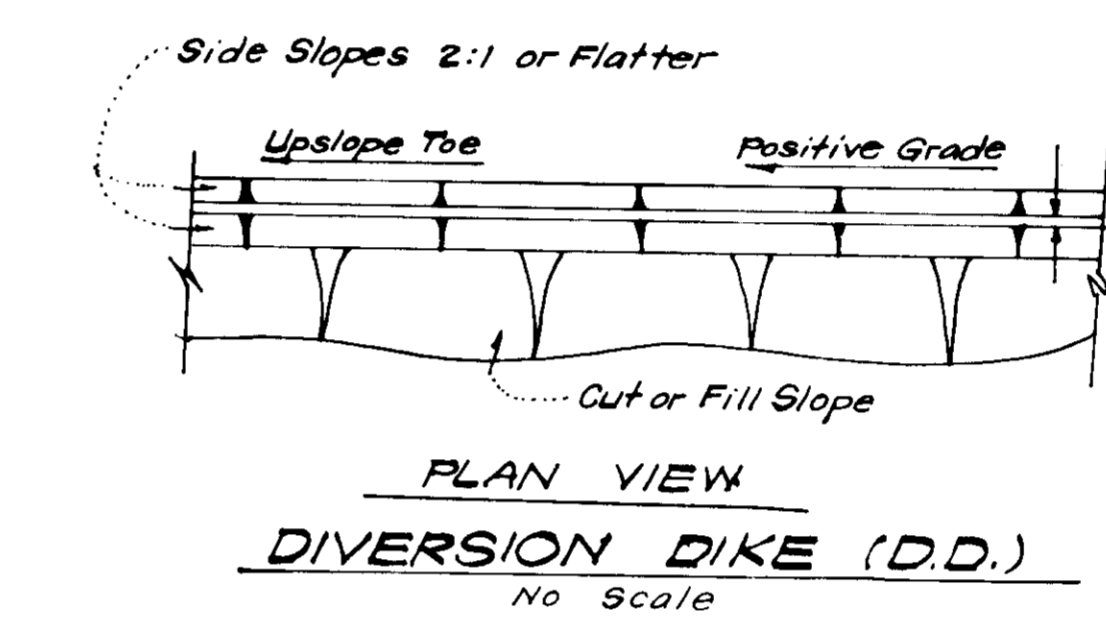
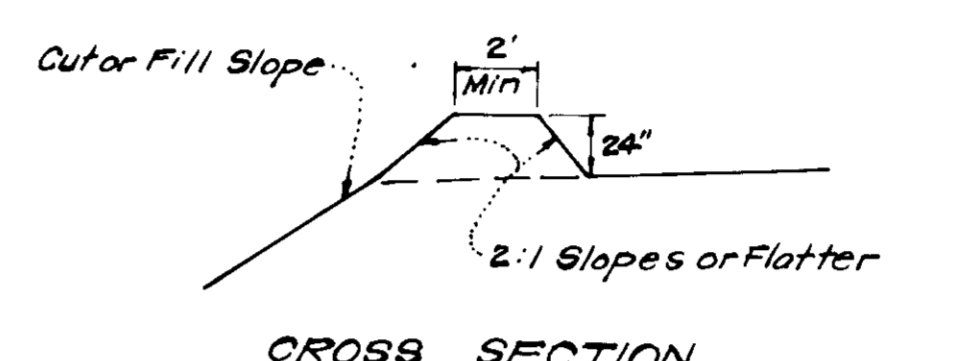
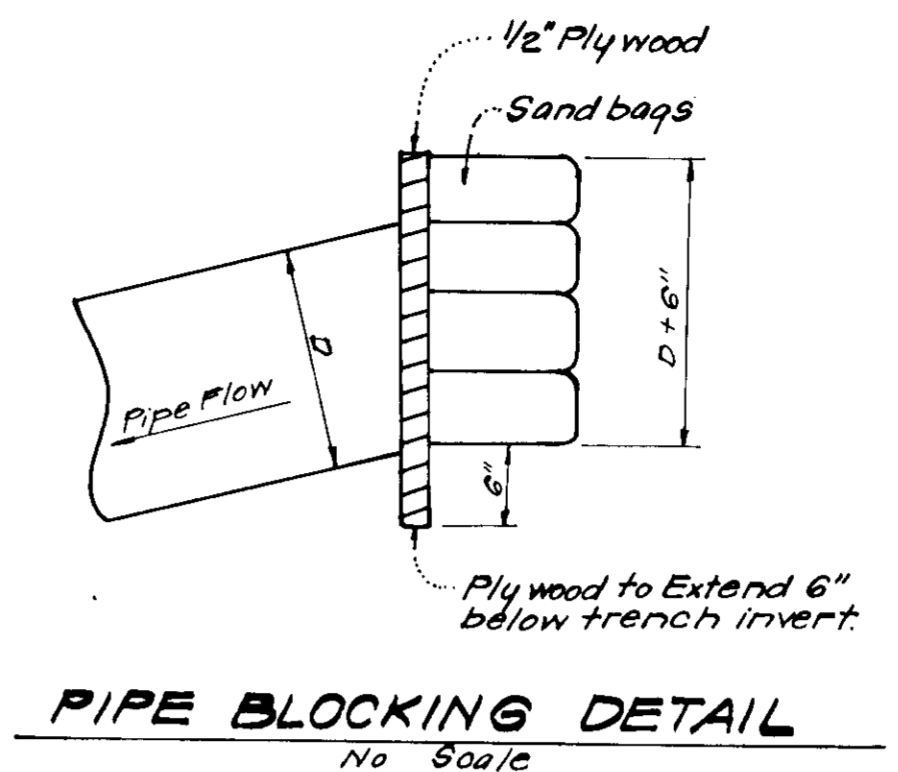
NOTES:
 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 2. Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

SILT FENCE DETAIL (S.F.)
 No Scale

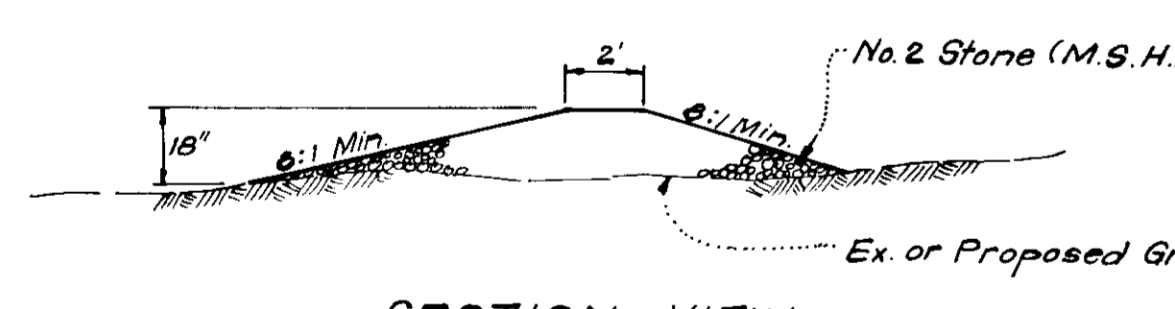


NOTE:
 1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

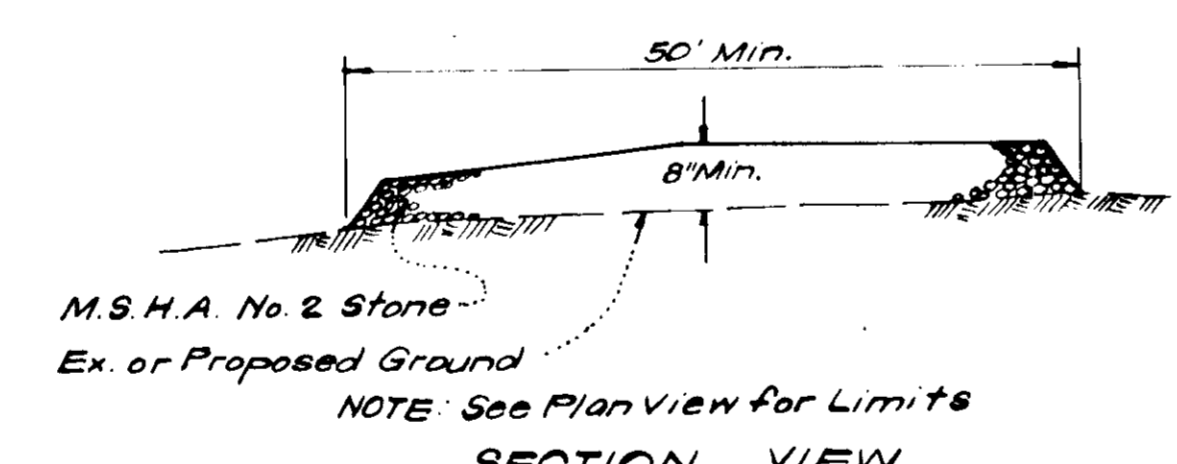
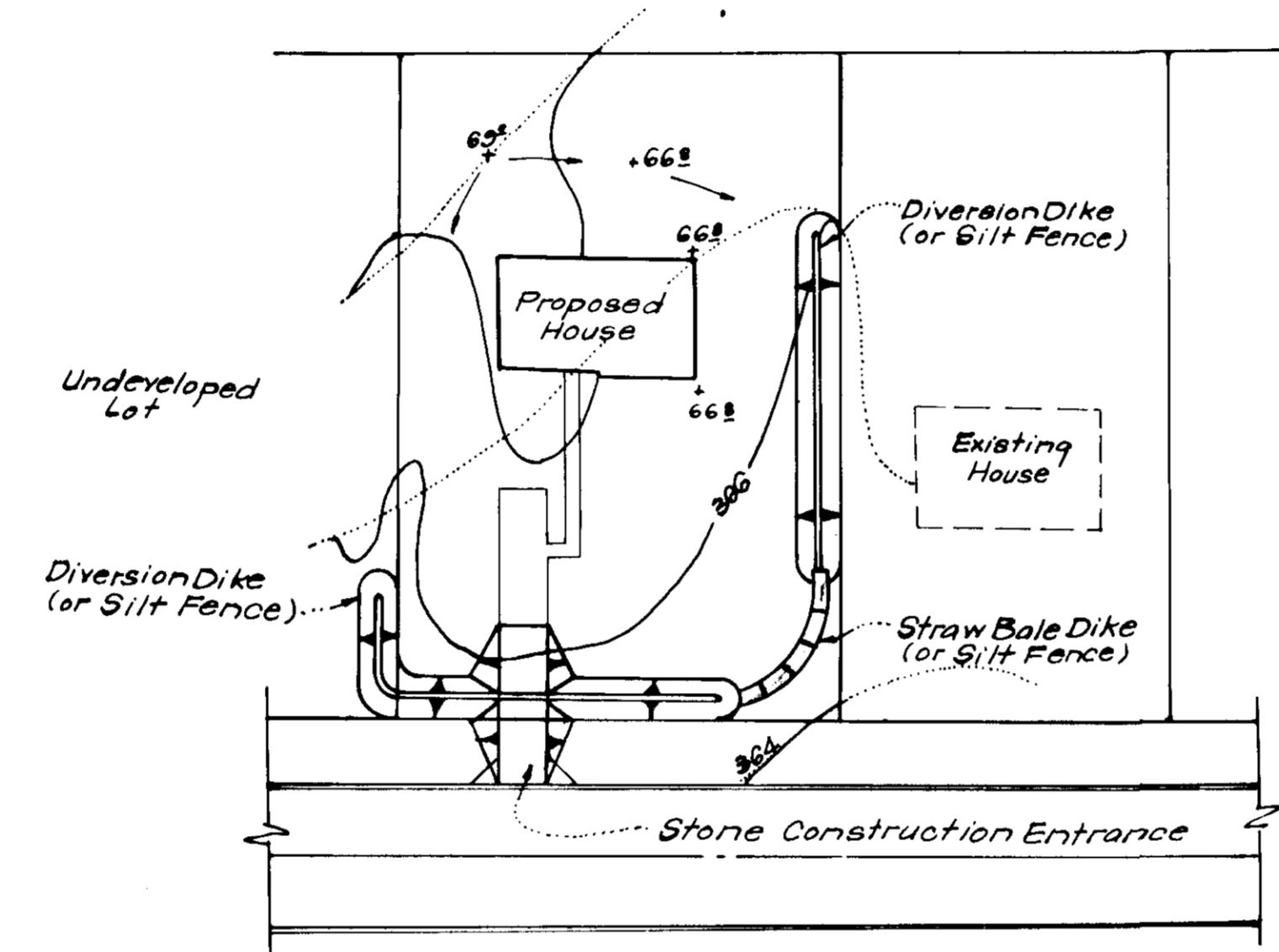
TYPICAL STRAW BALE DETAIL (S.B.D.)
 No Scale



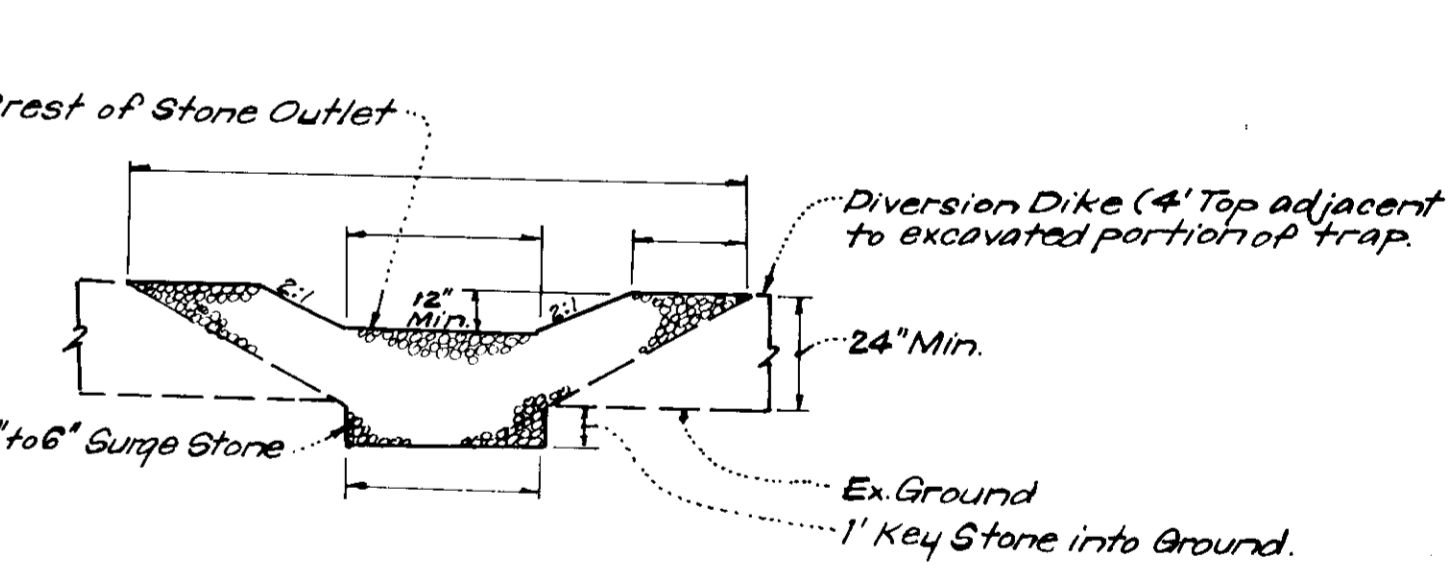
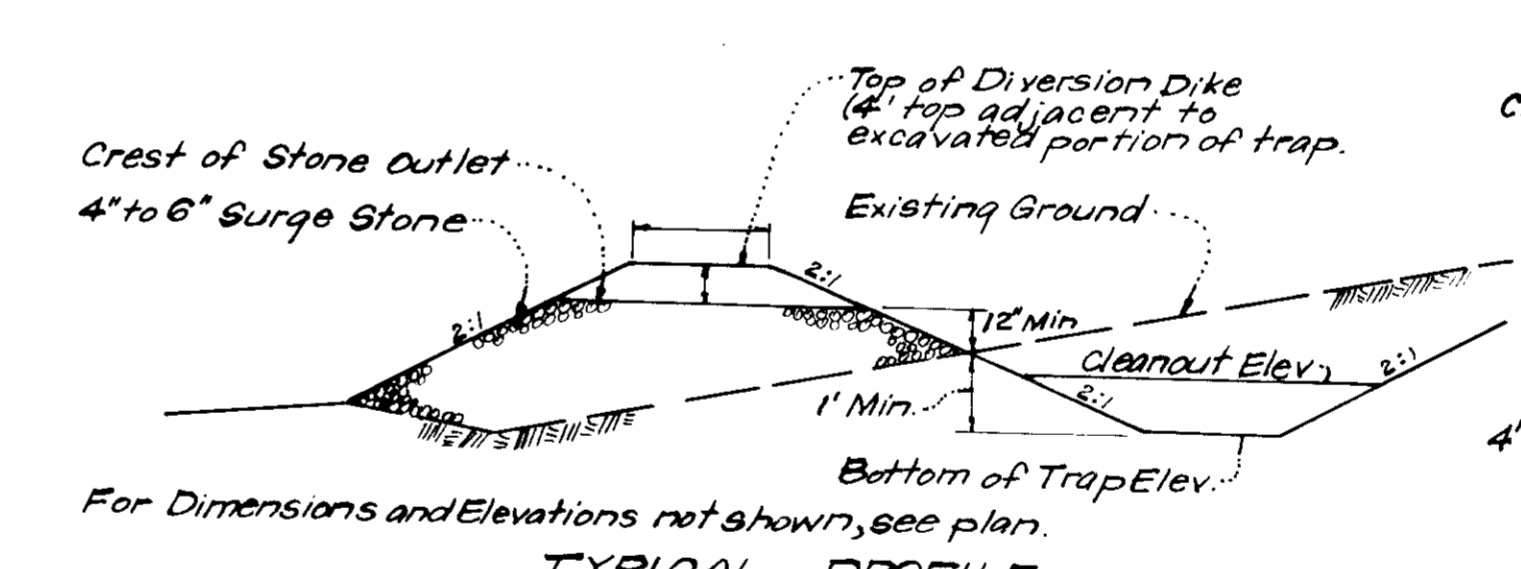
STONE FILTER INLET PROTECTION DETAIL (S.F.I.P.)
 No Scale



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



STABILIZED CONSTRUCTION ENTRANCE
 No Scale



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

STONE FILTER OUTLET NOTES:
 1. Sediment Trap to be cleaned out when sediment reaches a level of 4 feet below the Crest of Stone Outlet.
 2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
 3. Stone Outlet to be constructed through diversion dike adjacent to excavated portion of Sediment Trap.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 5-18-78
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 5-22-78
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 5/15/78

Reviewed for Howard S.C.D. Name
 and meets Technical Requirements
 Signature P. Wayne Ray Date 4-11-78
 U.S. Soil Conservation Service

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

Approved Wes Ewert Date 4-19-78

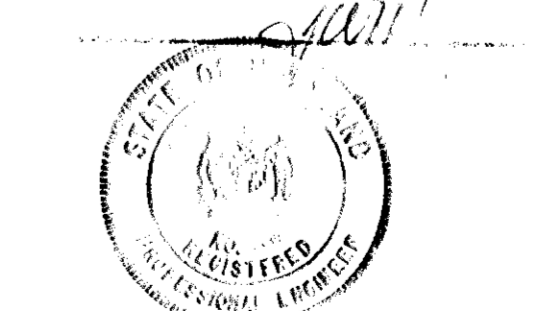
DEVELOPER'S CERTIFICATE
 I certify that all development and/or construction shown on this plan is in accordance with the requirements of the Howard Soil Conservation District and that I will comply with the requirements of the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

Signature J.N. Pears 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 Conservation District.

Signature P. Nelson Clark Date 12-13-77

APPROVED
 PLANNING BOARD
 HOWARD COUNTY
 DATE 3-29-78



APPROVED: DEPARTMENT OF PUBLIC WORKS		DATE
CHIEF, BUREAU OF HIGHWAYS		DATE
APPROVED: HOWARD COUNTY OF PLANNING & ZONING		DATE
CHIEF, DIVISION OF LAND DEVELOPMENT		DATE
CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED DR.H.	SEDIMENT & EROSION CONTROL PLAN LOTS A-1 THRU A-9 COLUMBIA THE VILLAGE OF HICKORY RIDGE SECTION 1 AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE As Shown
DRAWN DR.H.		DRAWING 3 of 3
CHECKED R.J.S.		JOB NO.
DATE Dec., 1977		FILE NO. 1271-5E
FOR J.D. EVANS, Inc. 5391 Lighthouse Court Columbia, Maryland 21044		SDP-78-66c