

LEGEND:

- 1. Contour Interval 2 FT.
- 2. Existing Contour ---
- 3. Proposed Contour ---
- 4. Spot Elevation +
- 5. Direction of Drainage ---
- 6. Existing Trees to be Retained ○
- 7. Proposed Storm Drain ---
- 8. Exist. Storm Drain ---
- 9. Exist. Sewer Line ---
- 10. Existing Water Line ---
- 11. Std. 7" Comb. Curb & Gutter ---
- 12. Reverse 7" Comb. Curb & Gutter ---
- 13. Barrier Curb ---

SITE ANALYSIS:

1. Zoning: New Town (Employment Center Commercial)
2. Area: 1.127 Acres
3. No. of Parking Spaces Required: 27
4. No. of Parking Spaces Provided: 36
5. Maximum Building Coverage Permitted: None Reg'd.
6. Building Coverage Shown: (18 % = 2000 sq ft)
7. Exist. Topography shown is in accordance with proposed Grading & Sediment & Erosion Control Plan G.P. # 7916. Approved by No. Co. Soil Conservation District, Sept. 9, 1978.
8. Parcel D-2 is recorded in Plat 4002.
9. Parcel D-2 is located on Tax Map N. 36 Parcel 386.
10. Public Water and Sewer to be Utilized.
11. All Building Setback Restrictions to be complied with those set forth in Final Development Plan Phase 186A. Recorded in Plat Book 28, Folios 136-139.
12. All Roadways and Parking to be privately owned and maintained.
13. Installation of All Traffic Control Devices shall be in accordance with the 1971 Edition of The Manual of Uniform Traffic Control Devices.

GENERAL NOTES:

1. All materials and Construction to be in accordance with the Howard County Road Construction Code and Specifications.
2. Water and Sewer House Connections shall be installed in accordance with Contract # 28 approved by the Howard County Bureau of Engineering.
3. Any damage to county owned rights of way to be corrected at the developer's expense.
4. All coordinates are based on Maryland State Grid System. Elevations on U.S. Coast and Geodetic Survey Mean Sea Level Datum of 1929.
5. Roof Storm Water carried in downspouts will be handled by one of the following methods:
 - (a) Downspout to splash block and discharged to ground having good percolation.
 - (b) Downspout piped to curb.
 - (c) Downspout connected to storm drain.
6. Building shall be two story split front to back. see typ elev sheet 245.

APPROVED
2-14-79



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
John J. Gyles 5-22-79
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
John J. Gyles 5/28/79
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. Nummy 5-21-79
DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. Nummy 5-18-79
CHIEF ENGINEER DATE

1	Rev. rear Condo wall units 1-2	3-18-78
No.	REVISIONS	Date

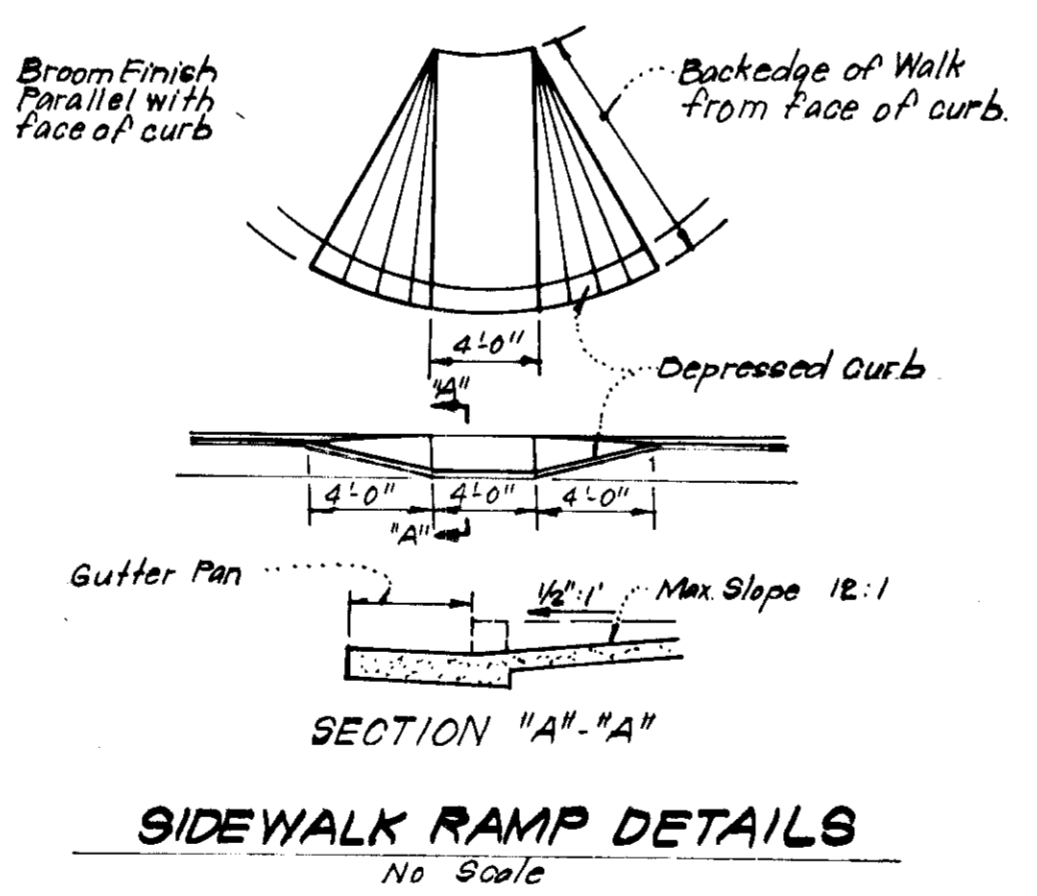
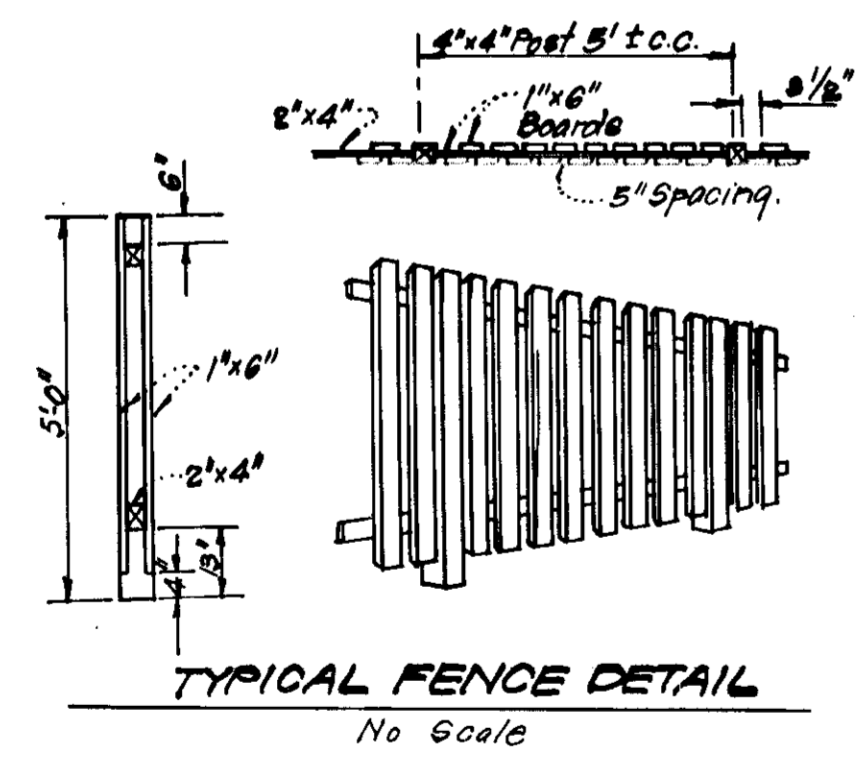
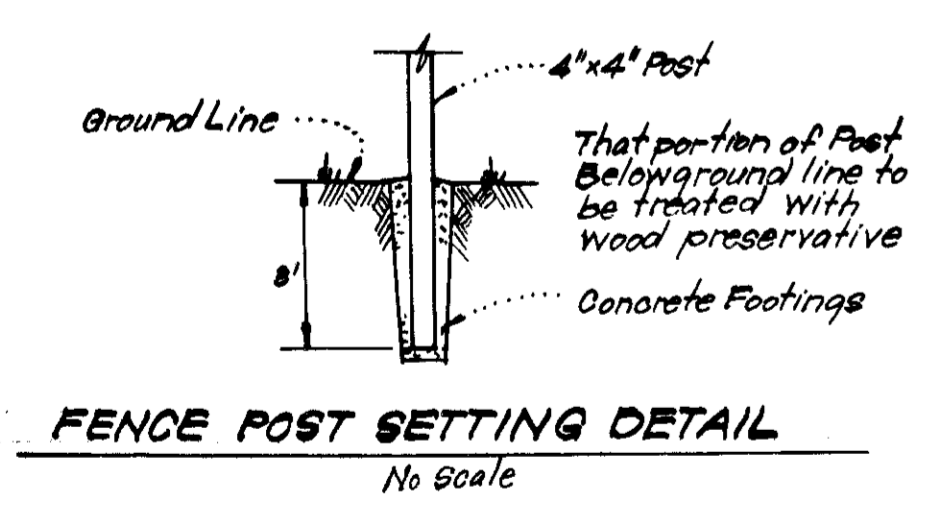
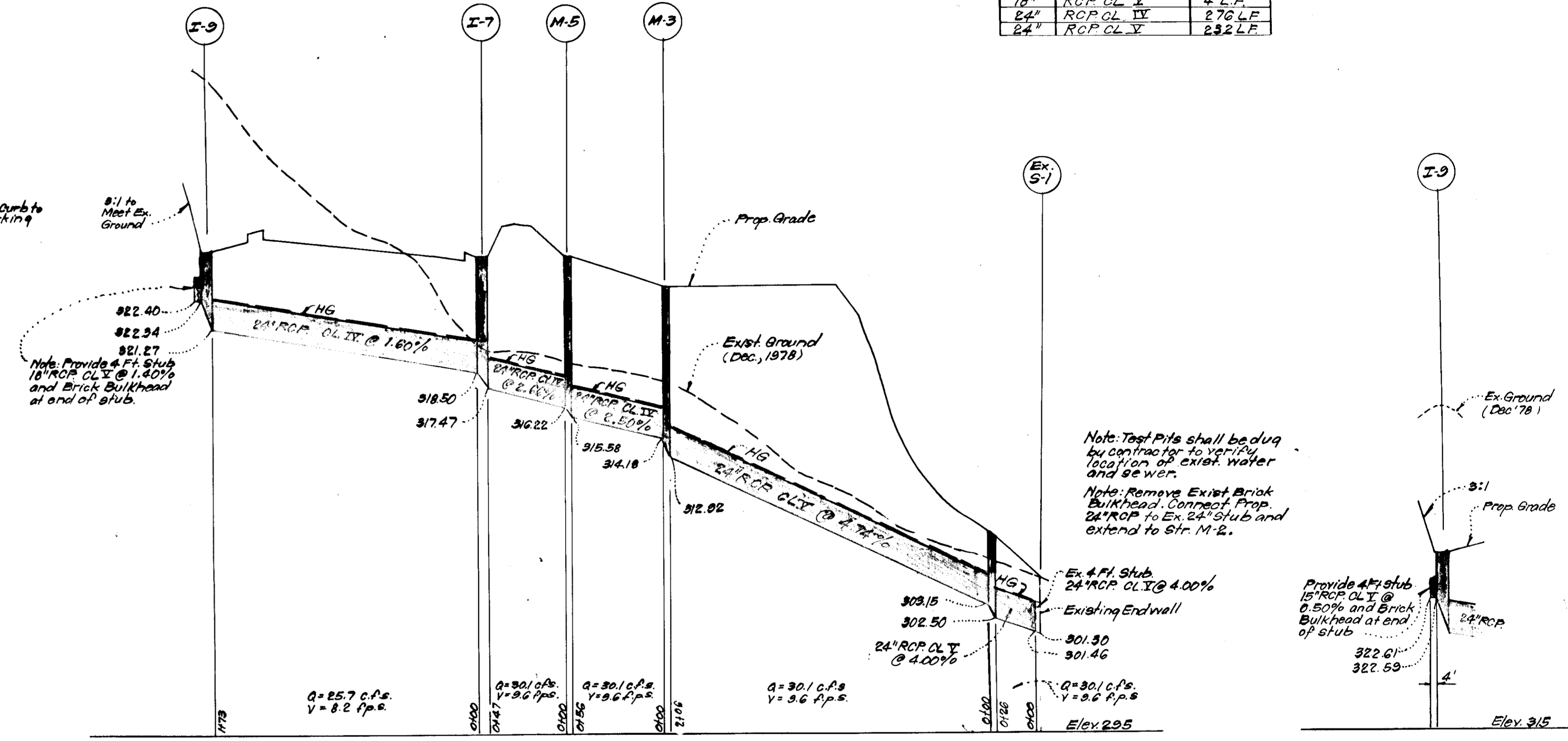
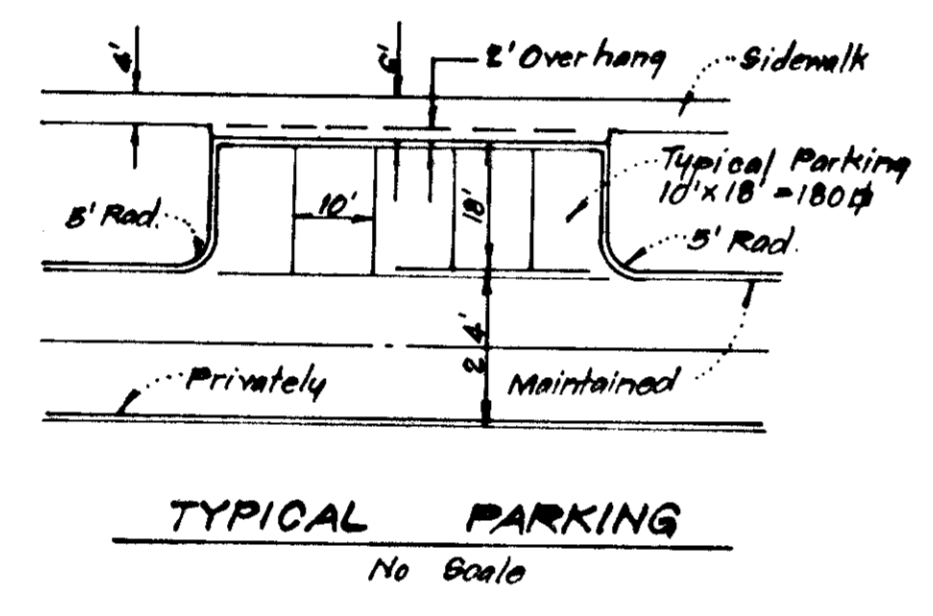
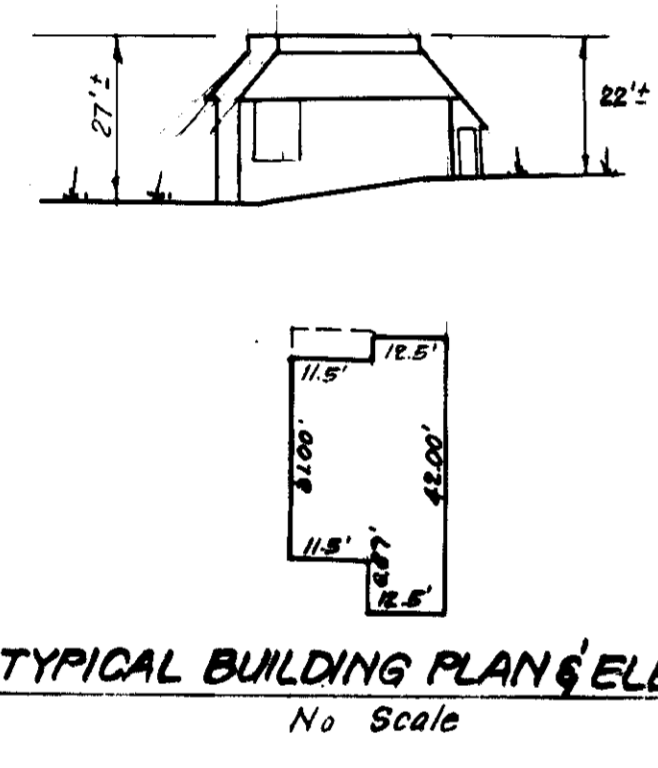
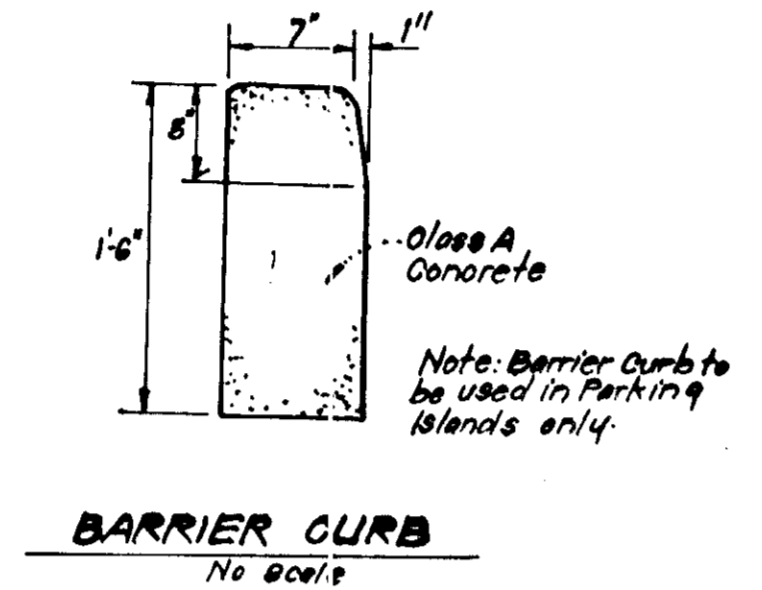
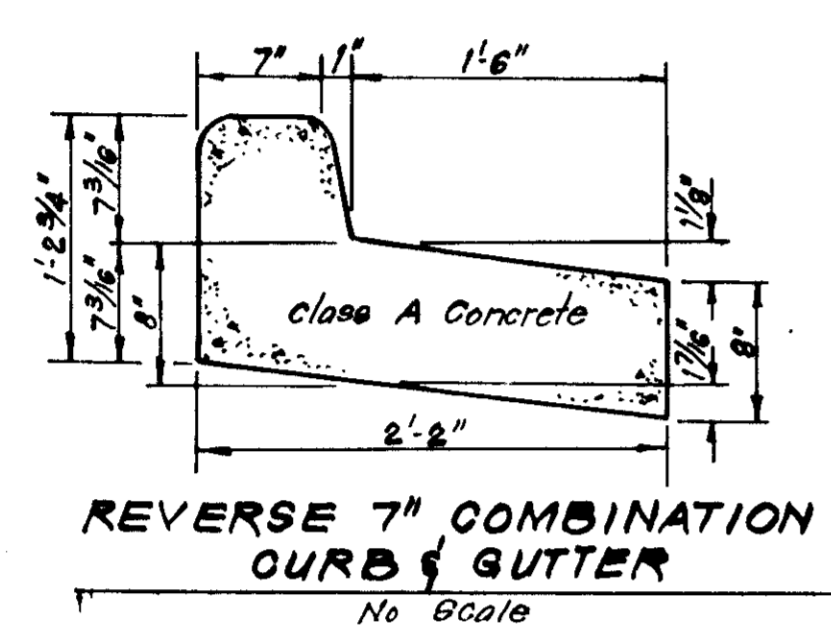
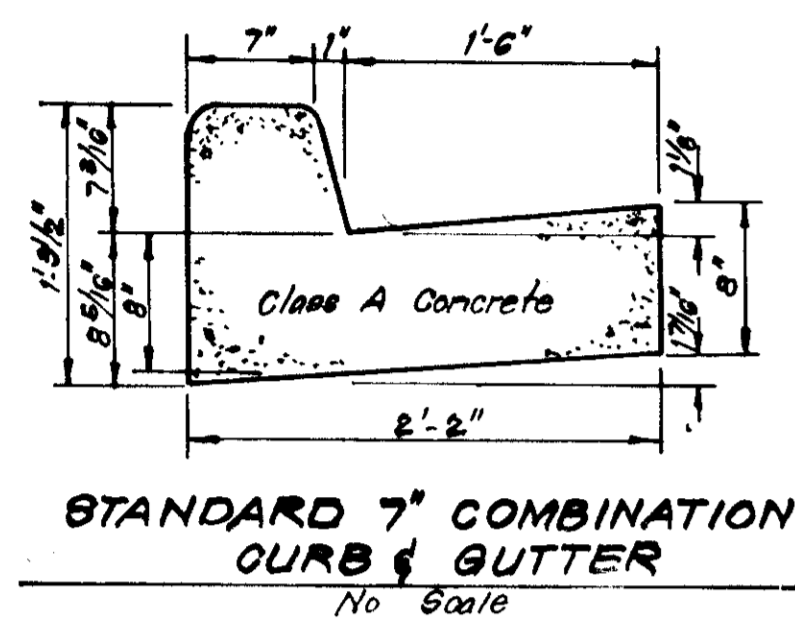
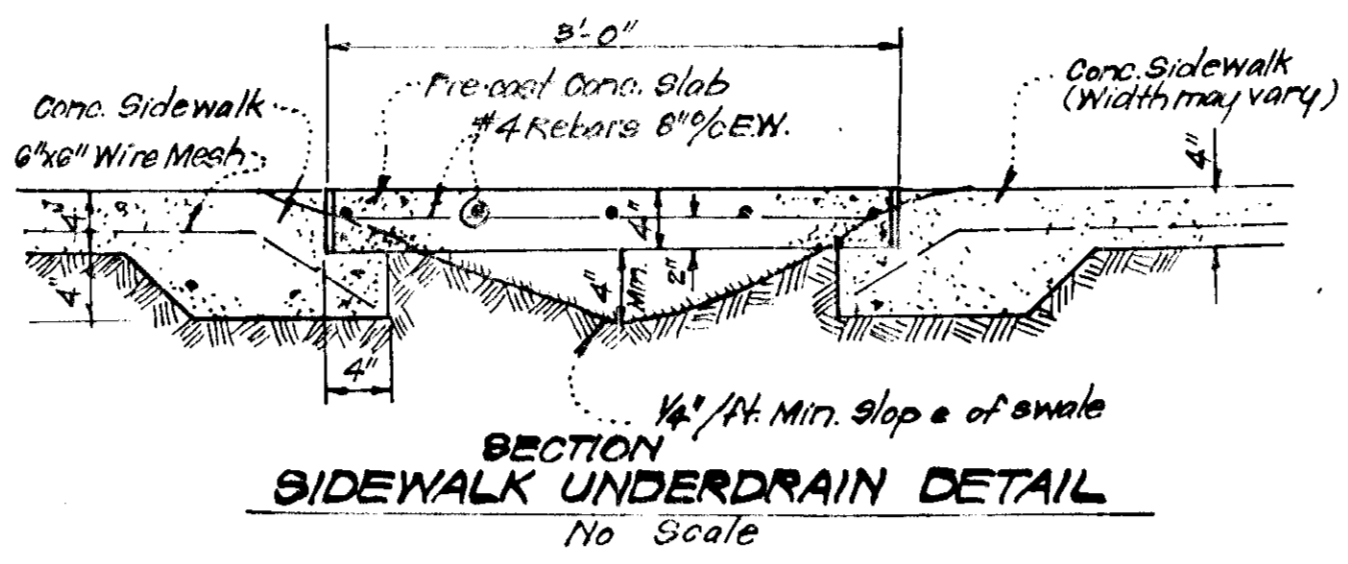
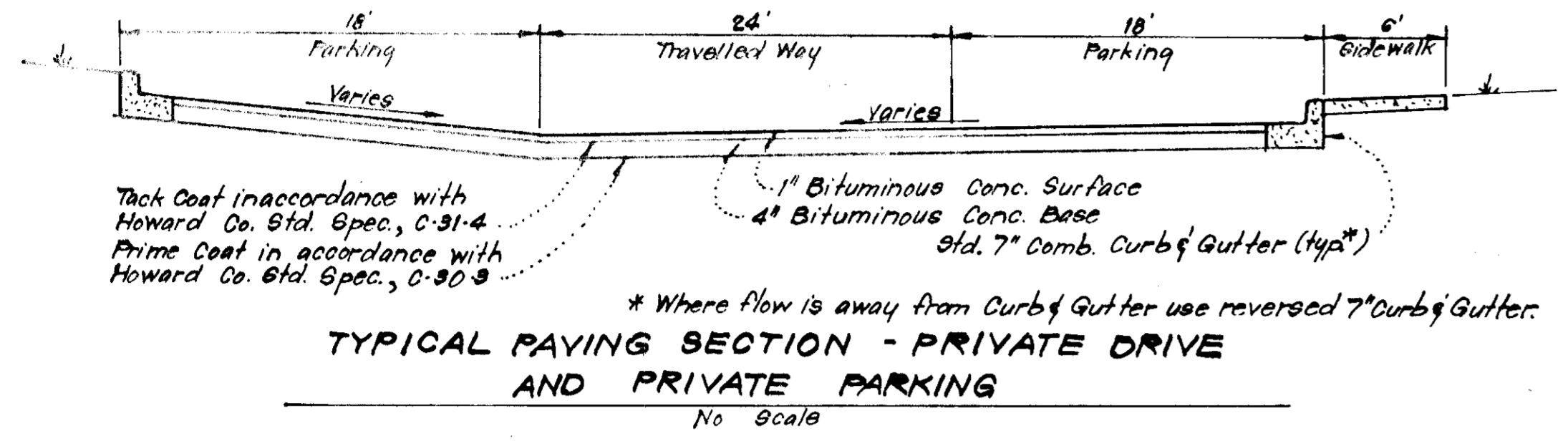
CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED J.L.S.	SITE DEVELOPMENT PLAN PARCEL D-2	SCALE 1"=30'
CHECKED K.L.W.		DRAWING 1 of 5
DRAWN W.H.T.	COLUMBIA VILLAGE OF OWEN BROWN SECTION 1 AREA 3 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.
DATE Dec, 1978		FOR: M.F. of MARYLAND INC P.O. Box 181 Columbia, Maryland 21045 SDP-79-84

STRUCTURE		SCHEDULE		REMARKS		LOCATION
N ^o	TYPE	INV. IN	INV. OUT	TOP ELEVATION	Upper	Lower
M-2	18" Manhole	305.15	302.50	307.00		
M-3	18" Manhole	314.18	312.02	314.00		
M-5	18" Manhole	316.22	315.58	316.00		
I-7	18" Inlet	318.50	317.47	318.00		
I-9	Double 18"	322.28	321.27	318.30		

* Invert shall be fully developed as per Ho. Co. Fig. 7.09 & grate parallel with pavement.

PIPE SCHEDULE		
SIZE	TYPE	LENGTH
15"	RCP CL V	4 L.F.
18"	RCP CL V	4 L.F.
24"	RCP CL IV	276 L.F.
24"	RCP CL V	232 L.F.



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

[Signature] 5-22-77
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

[Signature] 12-13-79
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

[Signature] 5-31-77
DIRECTOR DATE

[Signature] 5-19-79
CHIEF BUREAU OF ENGINEERING DATE

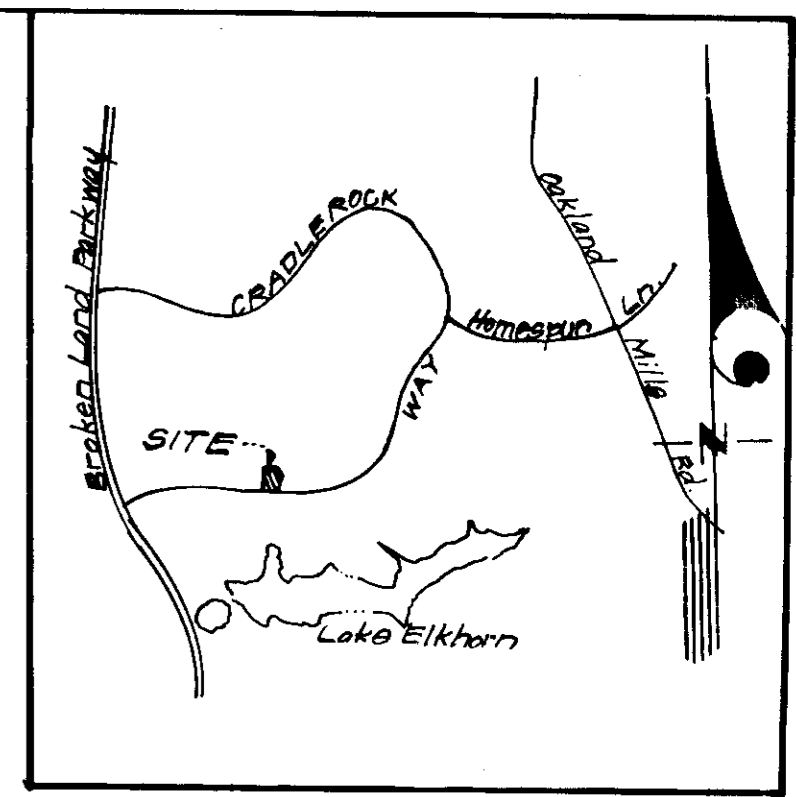


APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 2-14-79
[Signature]

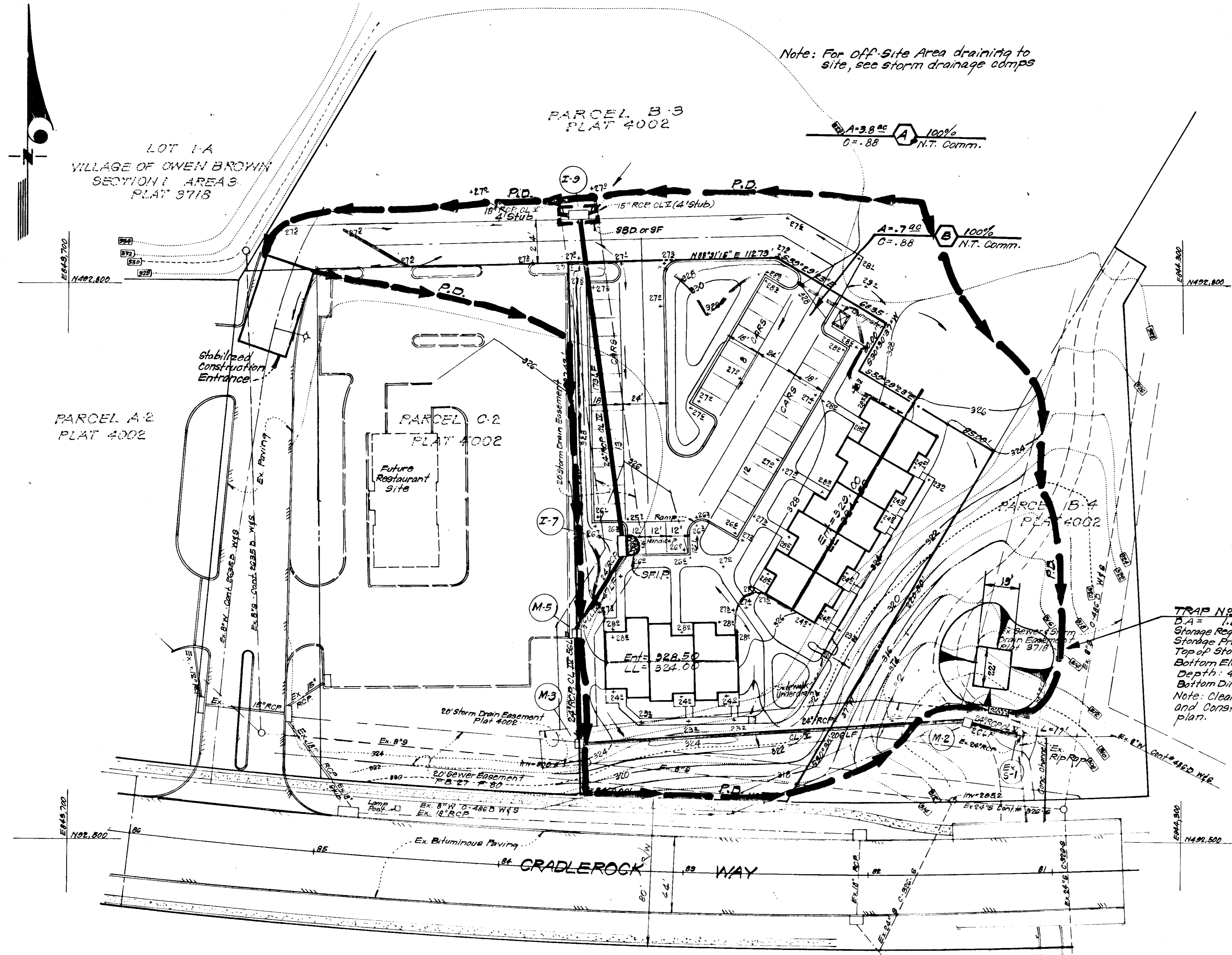
CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED V.L.S.	SITE DEVELOPMENT PLAN PARCEL D-2 PROFILES & DETAILS COLUMBIA VILLAGE OF OWEN BROWN SECTION 1 AREA 3 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: M.P. of Maryland, Inc. P.O. Box 291 Col., Md. 21045	SCALE As Shown
DRAWN		DRAWING 2 of 5
CHECKED K.I.W.		JOB NO.
DATE Dec, 1978		FILE NO. 1378-X

SDP-79-84c



Note: For Off-Site Area draining to site, see storm drainage comp's



- LEGEND:**
- 1. Contour Interval 2 Ft.
 - 2. Existing Contour 580
 - 3. Proposed Contour 590
 - 4. Spot Elevation + 30.5
 - 5. Direction of Drainage
 - 6. Existing Trees to be Retained
 - 7. Proposed Storm Drain
 - 8. Exist. Storm Drain
 - 9. Exist. Sewer Line
 - 10. Existing Water Line
 - 11. Sid 7" Comb. Curb & gutter
 - 12. Perimeter Dike P.D.
 - 13. Stone Filter Inlet Protection S.F.I.P.
 - 14. Sediment Trap
 - 15. Stabilized Construction Entrance
 - 16. Straw Bale Dike or Silt Fence SBD or SF

TRAP No. 1
 Name: _____
 Area: 1.8 Acres
 Storage Required: 18 x 1800 = 3240 c.f.
 Storage Provided: 3240 c.f.
 Top of Stone Crest: 307.0
 Bottom Elevation: 302.0
 Depth: 4 Ft.
 Bottom Dimensions: 19' x 22'
 Note: Clean Out Existing Sediment Trap and Construct to dimensions shown on plan.

Reviewed for Howard County, S.C.D.
 Name: _____
 and Major: _____
 Date: 3/2/79
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Philip A. Stevens
 Approved 3/2/79 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.

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 2-14-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 County Health Officer: _____ DATE: 5-22-79

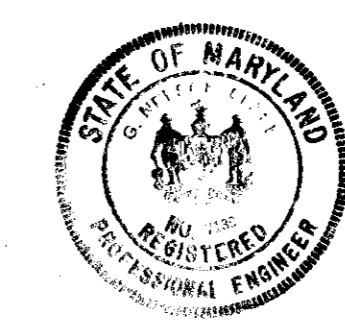
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Planning Director: _____ DATE: 5-28-79

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
 Director: _____ DATE: 5-21-79

CHIEF BUREAU OF ENGINEERING
 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.



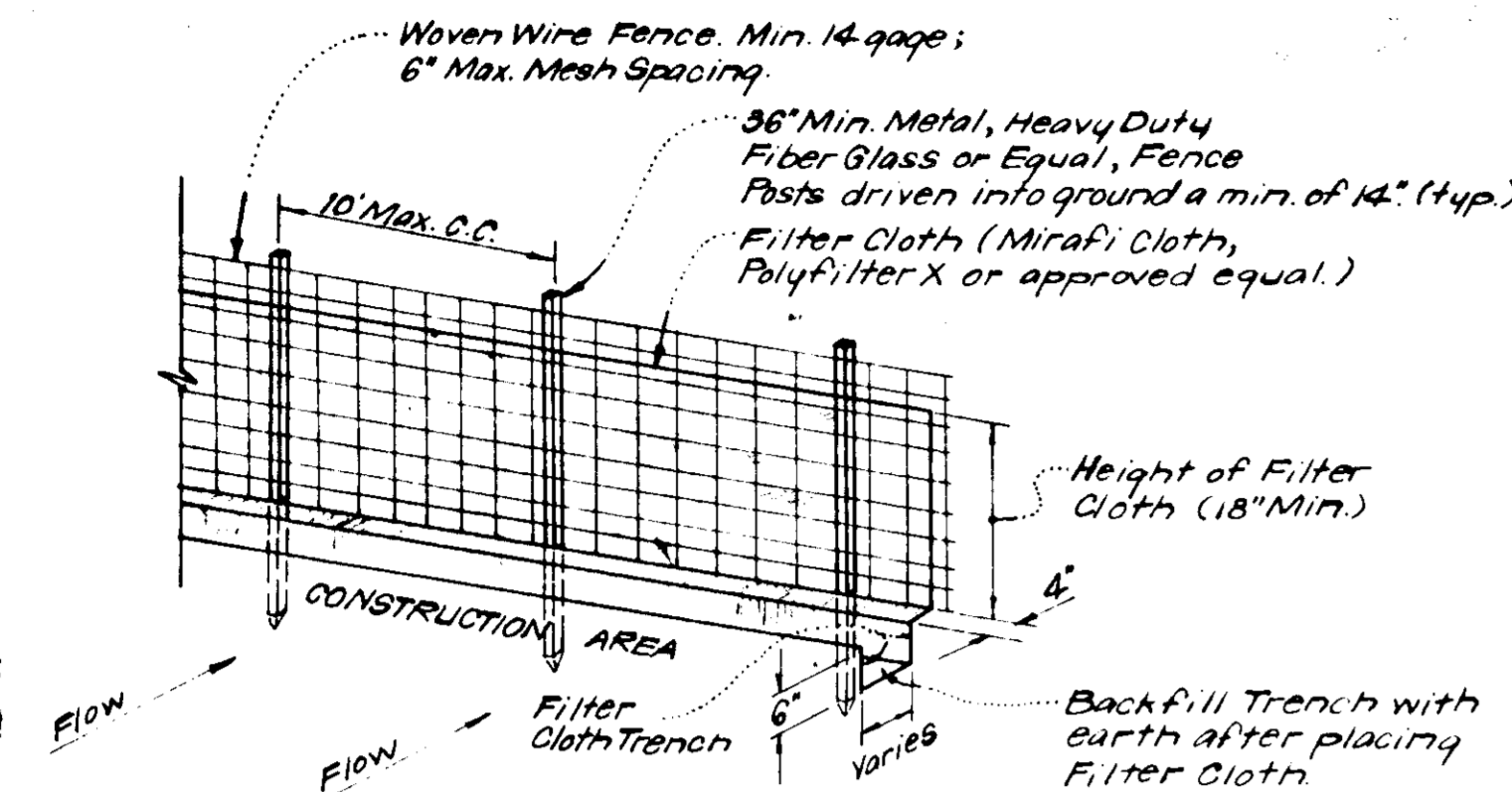
Philip A. Stevens
 6 Nelson Clark
 12-27-78 Date

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED	SITE DEVELOPMENT PLAN PARCEL C-2 SEDIMENT & EROSION CONTROL PLAN & DRAINAGE AREA MAP COLUMBIA VILLAGE OF OWEN BROWN SECTION I AREA 3 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: M.P. OF MARYLAND INC P.O. Box 29 Columbia, Maryland 21045	SCALE
DRAWN		1"=20'
CHECKED		302.5
DATE		JOB NO.
FILE NO.		1978-X

SDP-79-84

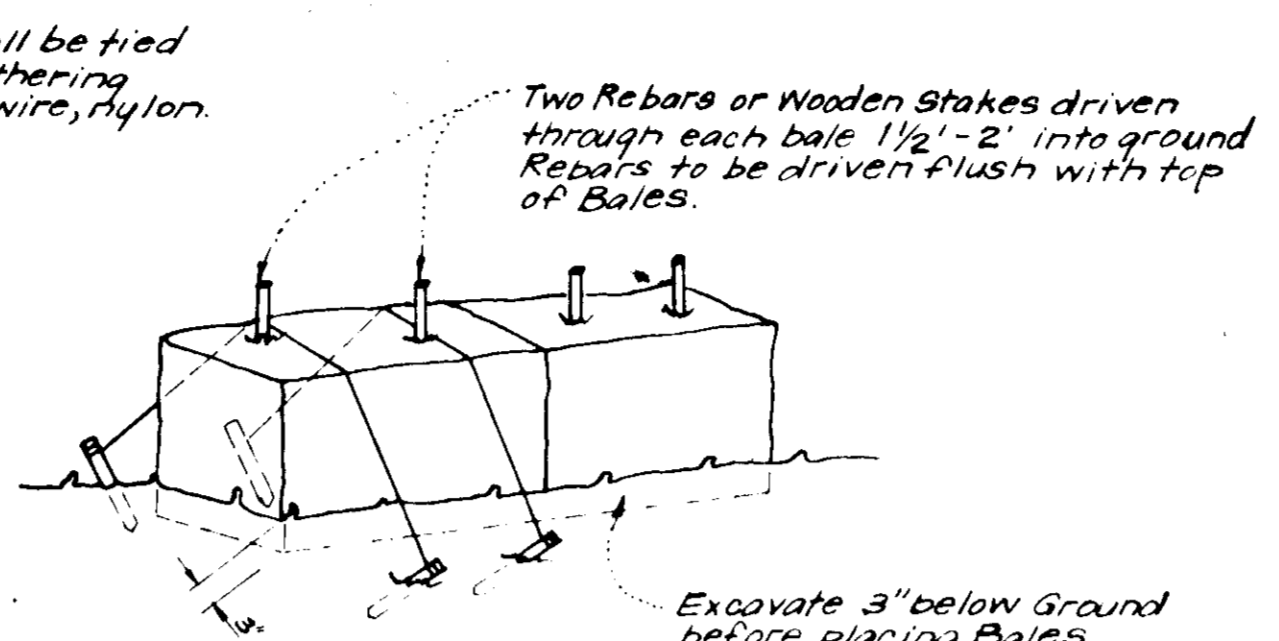
GENERAL NOTES

- 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 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 - Weed free 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 placed at all construction entrances.
- SITE ANALYSIS:**
 - Total Area = 1.127 Acres
 - Area to be Roofed = 0.166 Acres
 - Area to be Paved = 0.393 Acres
 - Area to be Seeded = 0.562 Acres
 - Area Undisturbed = 0 Acres
- CONSTRUCTION SEQUENCE:**
 - Install Stabilized Construction Entrance
 - Install Remaining Sediment & Erosion Control Devices and Stabilize
 - Rough Grade & Excavate for Foundations
 - Erect Structure, Construct Paving & Side walks
 - Final Grade & Stabilize in accordance with note #6.
- 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 = 40 LF.



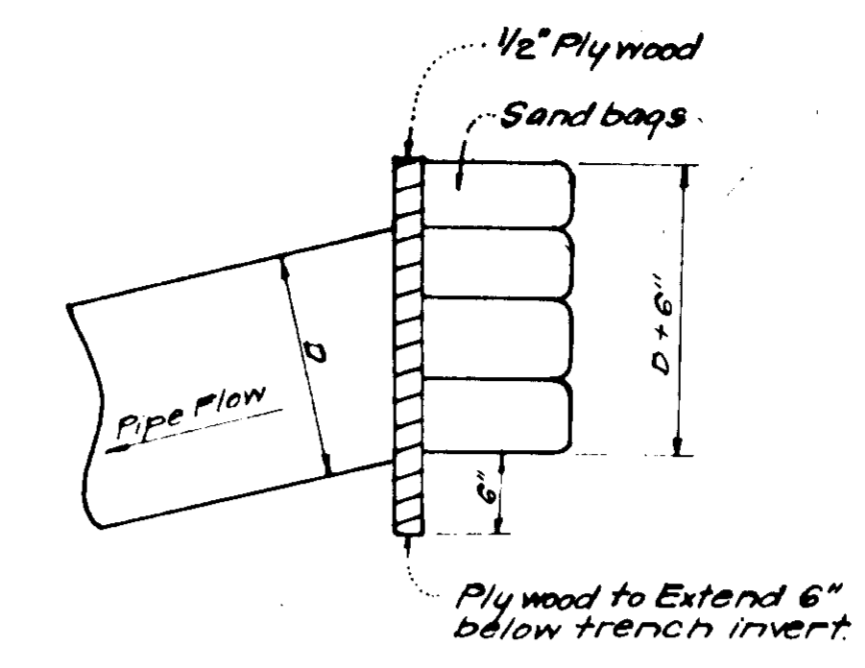
NOTES:
 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 2. Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

SILT FENCE DETAIL (S.F.)
 NO SCALE

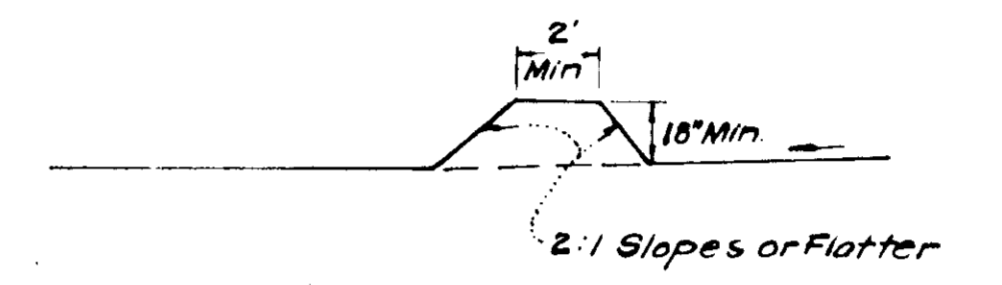


NOTE:
 1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

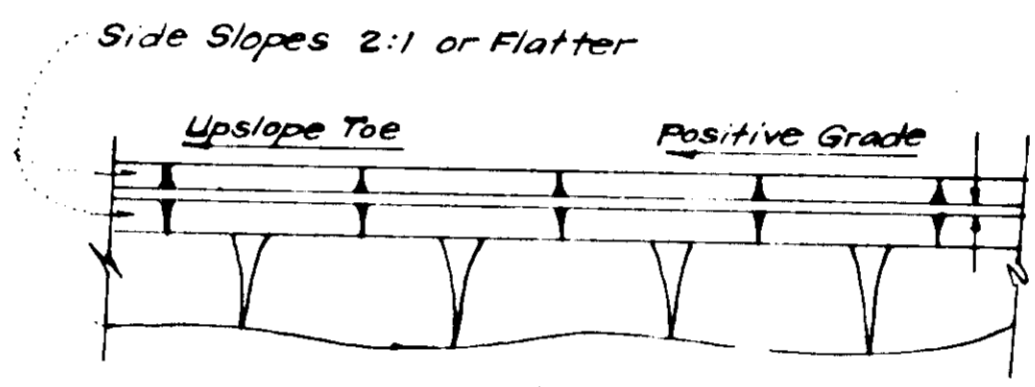
TYPICAL STRAW BALE DETAIL (S.B.D.)
 NO SCALE



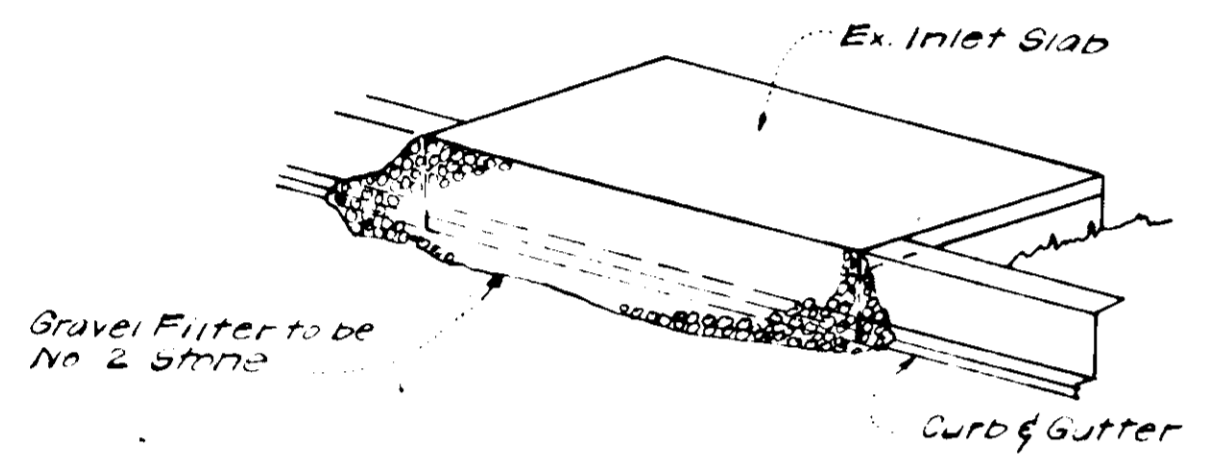
PIPE BLOCKING DETAIL
 NO SCALE



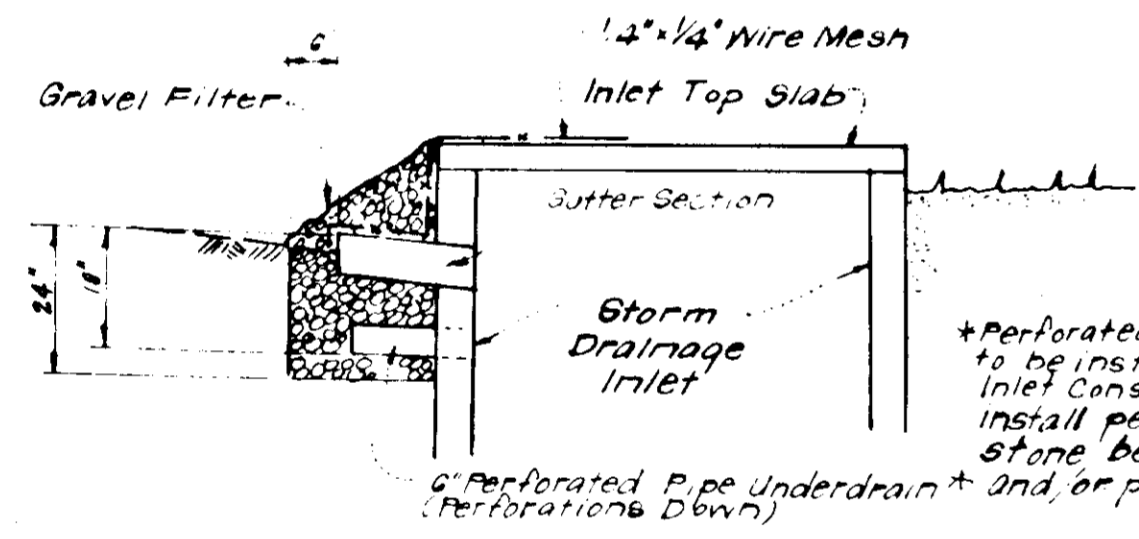
CROSS SECTION



PLAN VIEW
PERIMETER DIKE (P.D.)
 NO SCALE

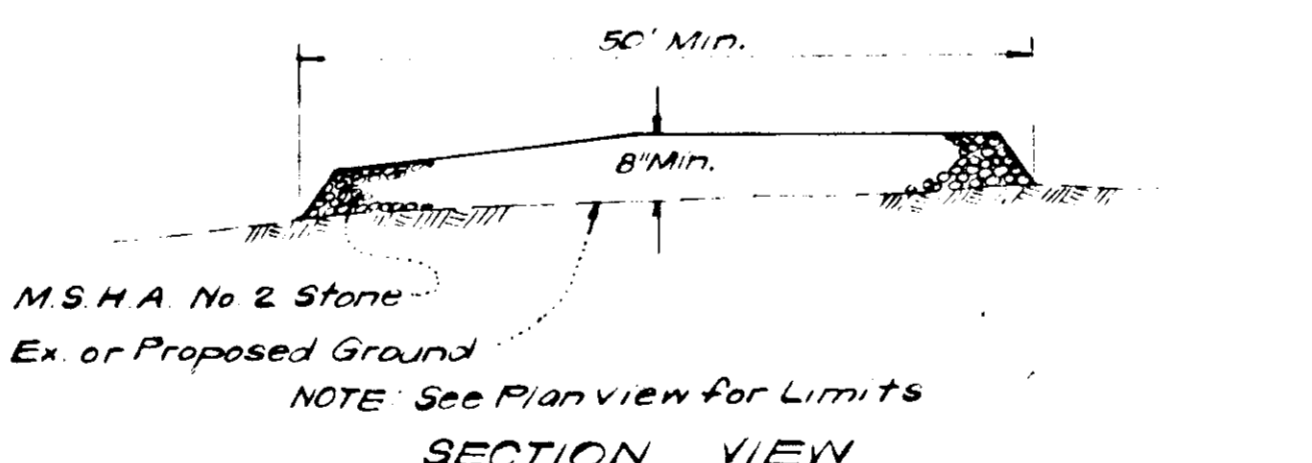


ISOMETRIC VIEW

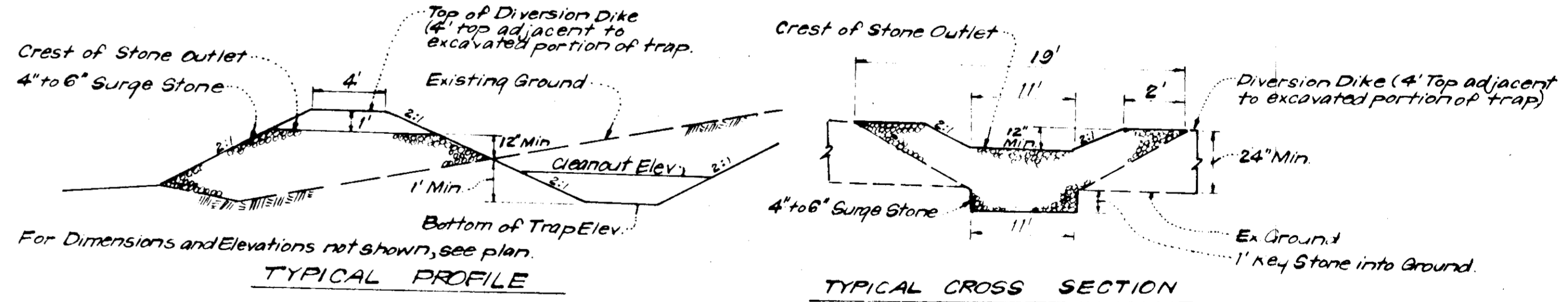


SECTION VIEW

STONE FILTER INLET PROTECTION DETAIL (S.F.P.)
 NO SCALE



SECTION VIEW
STABILIZED CONSTRUCTION ENTRANCE
 NO SCALE



TYPICAL PROFILE
TYPICAL CROSS SECTION
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 1 ft. 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
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 2-14-79
 JMW

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 5-25-77
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 5/20/79
 CHIEF DIVISION OF LAND DEVELOPMENT
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 5-21-77
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 5-15-79

Reviewed for Howard SCD
 U.S. Soil Conservation Service
 C. Wayne Ray 3/2/77
 U.S. Soil Conservation Service

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

[Signature] 3/2/79
 Approved

DEVELOPER'S CERTIFICATE
 I certify that all development and/or construction will be done in accordance with the plan of development and plan for Erosion and Sediment Control, and I also certify that the design and construction 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.

[Signature] 2-14-79
 Philip A. Stevens
 Signature Date

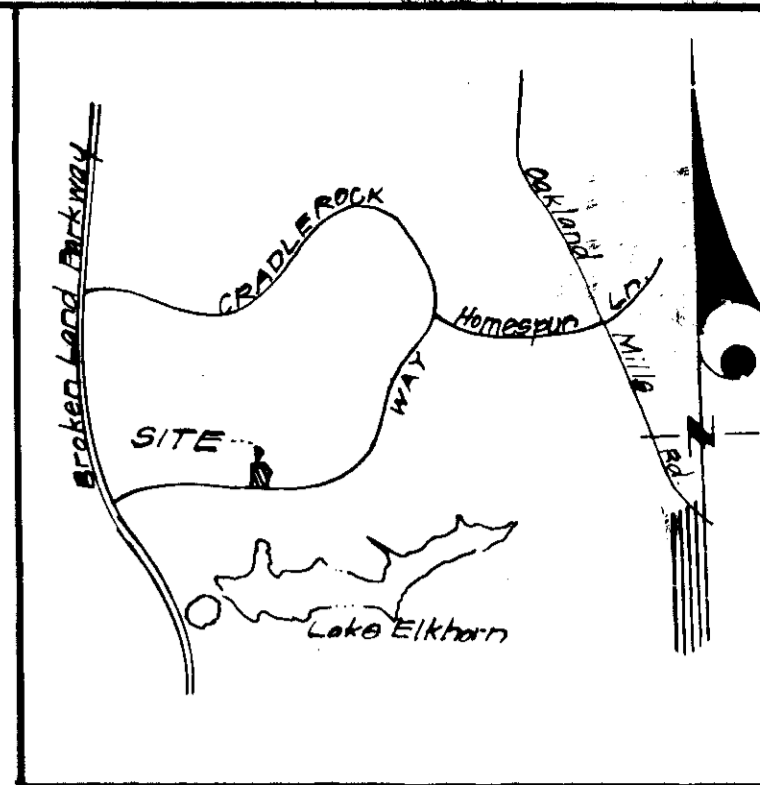
ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control is a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

[Signature] 2-22-79
 Nelson Clark
 Signature Date



CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11111 CLARKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED	J.L.S.	SITE DEVELOPMENT PLAN PARCEL D-2 SEDIMENT & EROSION CONTROL PLAN COLUMBIA VILLAGE OF OWEN BROWN SECTION 1 AREA 3 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: M.F. OF MARYLAND, INC. P.O. Box 291 Col., Md. 21045 SDF-79-84	SCALE	As Shown
DRAWN	K.I.W.		DRAWING	4 of 5
CHECKED	J.L.S.		JOB NO.	
DATE	Dec, 1978		FILE NO.	1378-X



VICINITY MAP
SCALE: 1"=2000'

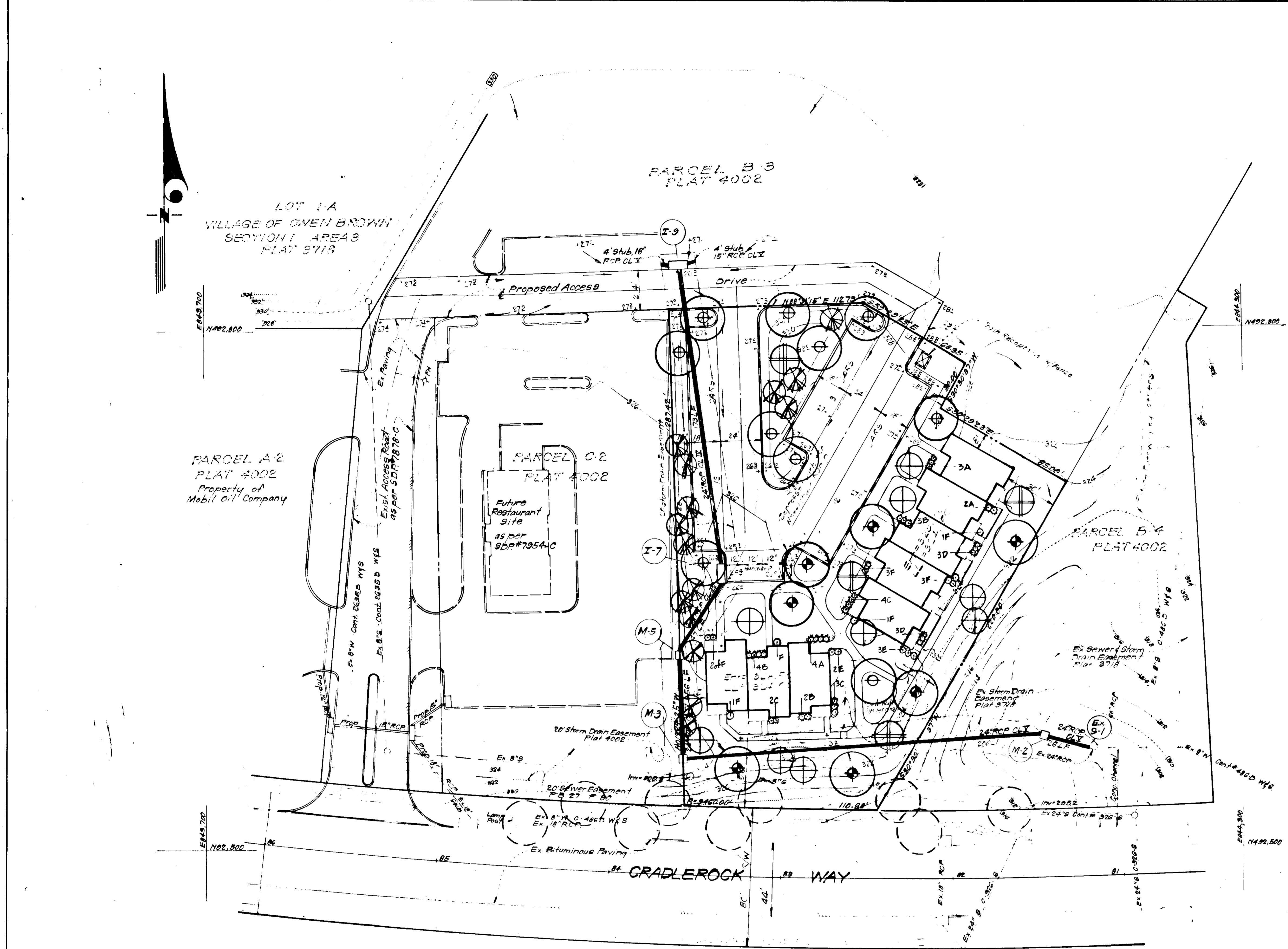
LEGEND:

- 1. Contour Interval 2 FT.
- 2. Existing Contour 330
- 3. Proposed Contour 330
- 4. Spot Elevation + 305
- 5. Direction of Drainage
- 6. Existing Trees to be Retained
- 7. Proposed Storm Drain
- 8. Exist. Storm Drain
- 9. Exist. Sewer Line
- 10. Existing Water Line
- 11. Sid. 7" Comb. Curb & Gutter
- 12. Reverse 7" Comb. Curb & Gutter
- 13. Barrier Curb

PLANT LIST

KEY	QUANT	NAME	SIZE	REMARKS
⊕	6	Acer Rubrum 'October Glory' October Glory Maple	2 1/2" Cal 12-14 Ht.	B+B Heavy Heads
⊕	7	Acer Saccharum 'Green Mountain' Green Mountain Sugar Maple	2 1/2" Cal 12-14 Ht.	" " "
⊕	4	Quercus Palustris Pin Oak	2 1/2" Cal 12-14 Ht.	" " "
⊕	4	Prunus serrulata Kwanzan Kwanzan Cherry	2-2 1/2" Cal 8-10 Ht.	" " "
⊕	9	Crataegus toba Toba Hawthorn	2-2 1/2" Cal 8-10 Ht.	" " "
⊕	15	Pinus Strobus Eastern White Pine	2-2 1/2" Cal 6-8 Ht.	" " "
A	9	Taxus brevifolia Compact Spreading Yew	15-18" Spd.	B+B Heavy
B	9	Ilex crenata Japanese Holly	15-18" Spd.	" " "
C	9	Euonymus Sieboldiana Siebold Euonymus	15-18" Spd.	" " "
D	6	Juniperus plumosa Andora Juniper	15-18" Spd.	" " "
E	5	Abelia grandiflora Glossy Abelia	18-24" Ht.	" " "
F	12	Euonymus Alatus Compactus Dwarf Winged Euonymus	18-24" Ht.	" " "

NOTE: All plant material and planting procedures shall be in compliance with the standard H.E.D. Planting Specifications. Contractor shall verify location of underground utilities prior to digging. Plant Material substitutions must be approved by the Landscape Architect.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
Joseph Boykin 5-22-79
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
J. J. Johnson 5/20/79
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Wayne F. Nimmer 5-21-79
DATE

W. J. Walker 5-18-79
DATE



W. J. Walker
5-18-79

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 2-14-79
JMM

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11115 LEE WOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED: **LANDSCAPE PLAN**
DRAWN: **PARCEL D-2**
CHECKED: **COLUMBIA**
DATE: **VILLAGE OF OWEN BROWN**
SECTION 1
AREA 3
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: M.P. of MARYLAND INC
P.O. Box 291
Columbia, Maryland 21045
Dec. 1978

SCALE: 1"=30'
DRAWING: 5 of 5
JOB NO.
FILE NO. 1378-XL

SDP-79-84. See Also: HC-392