

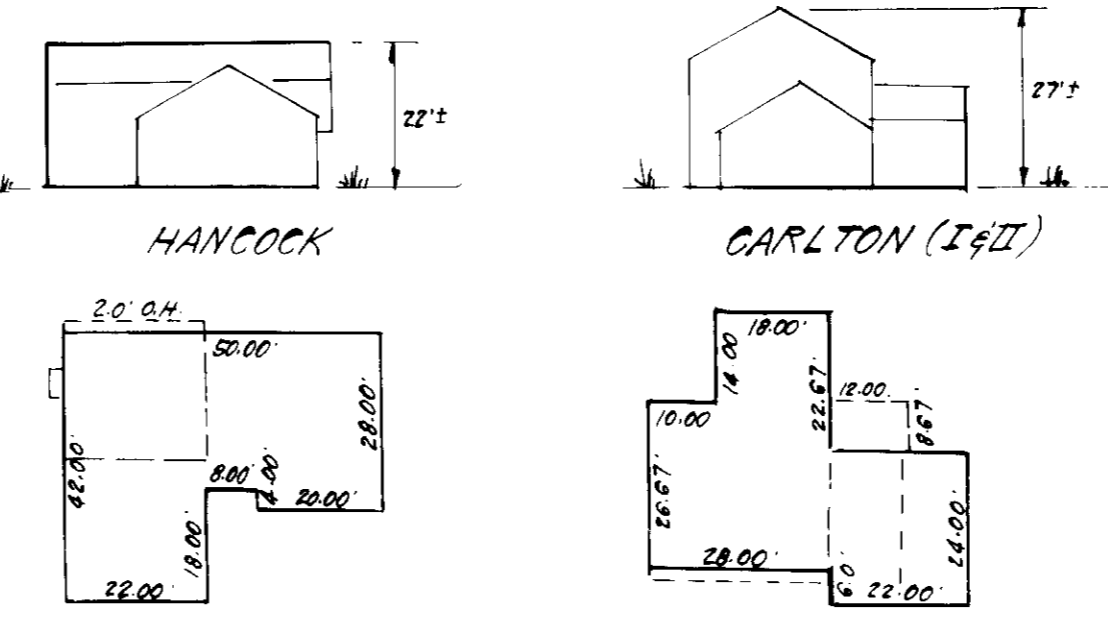
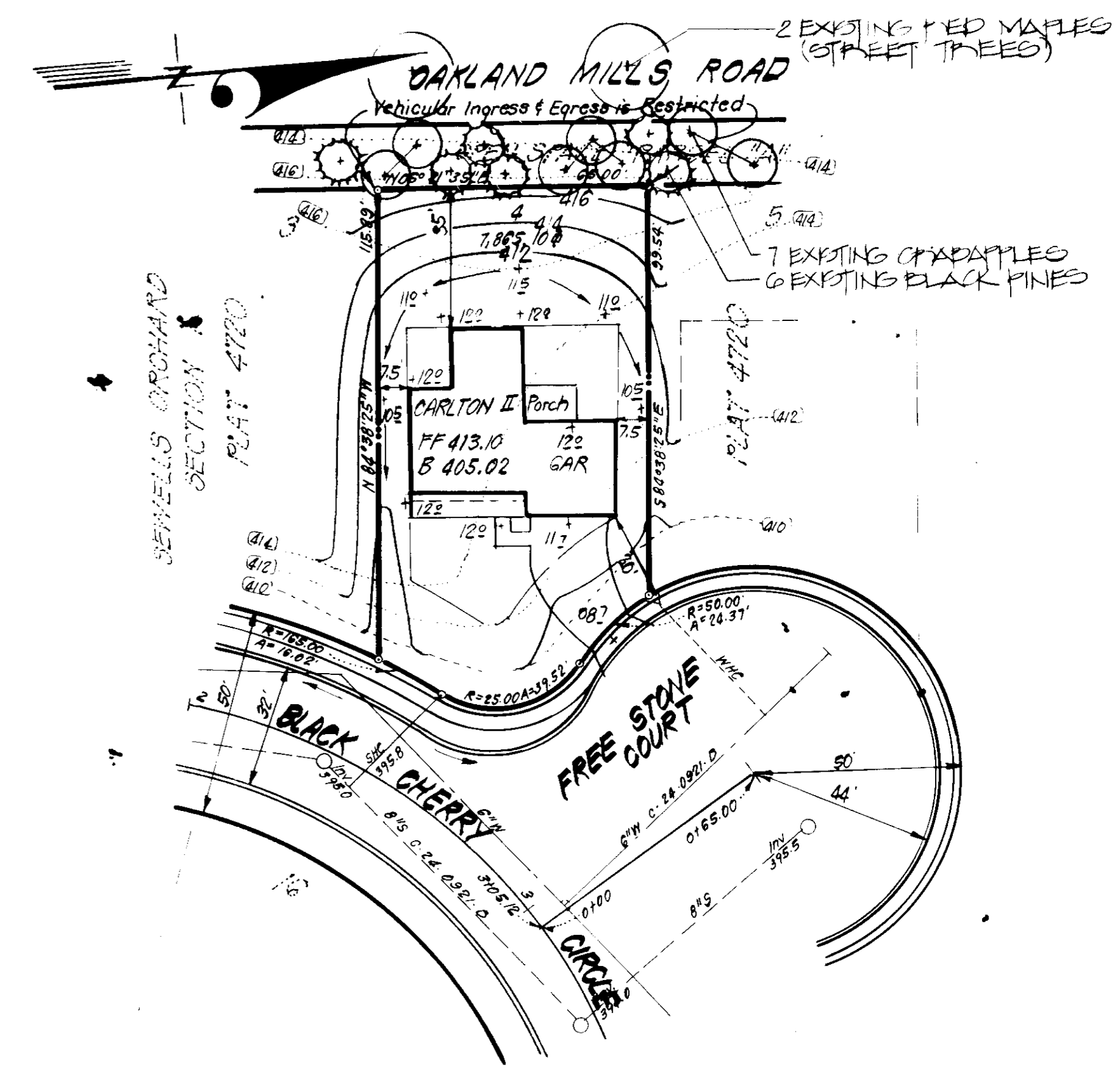
GENERAL NOTES:

- The land included in this plan is zoned RSC, per 10-3-77 Comprehensive Zoning Plan.
- All coordinates are based on Howard County Control Station "Sawell".
- The area covered in this submission is located on Tax Map No. 38, Parcel 247.
- The total area included in this plan is 1.134 Acres.
- All roadways are public & existing.
- Any damage to county owned rights of way shall be corrected at the developer's expense.
- Total Number of lots: 5.

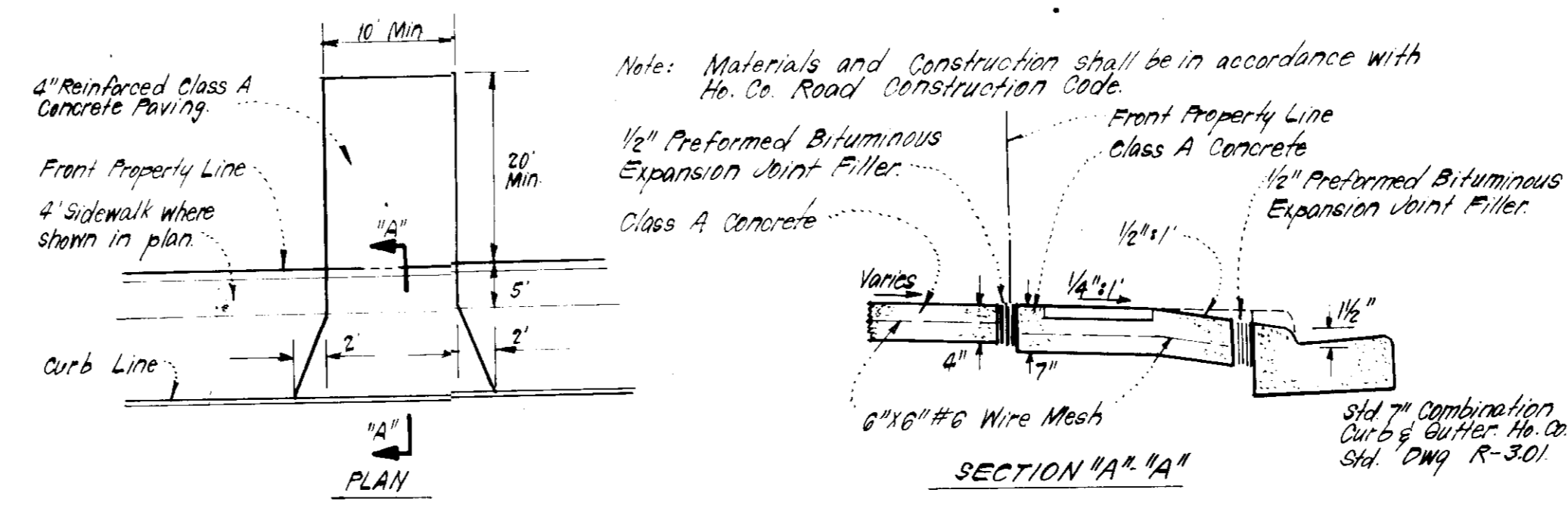
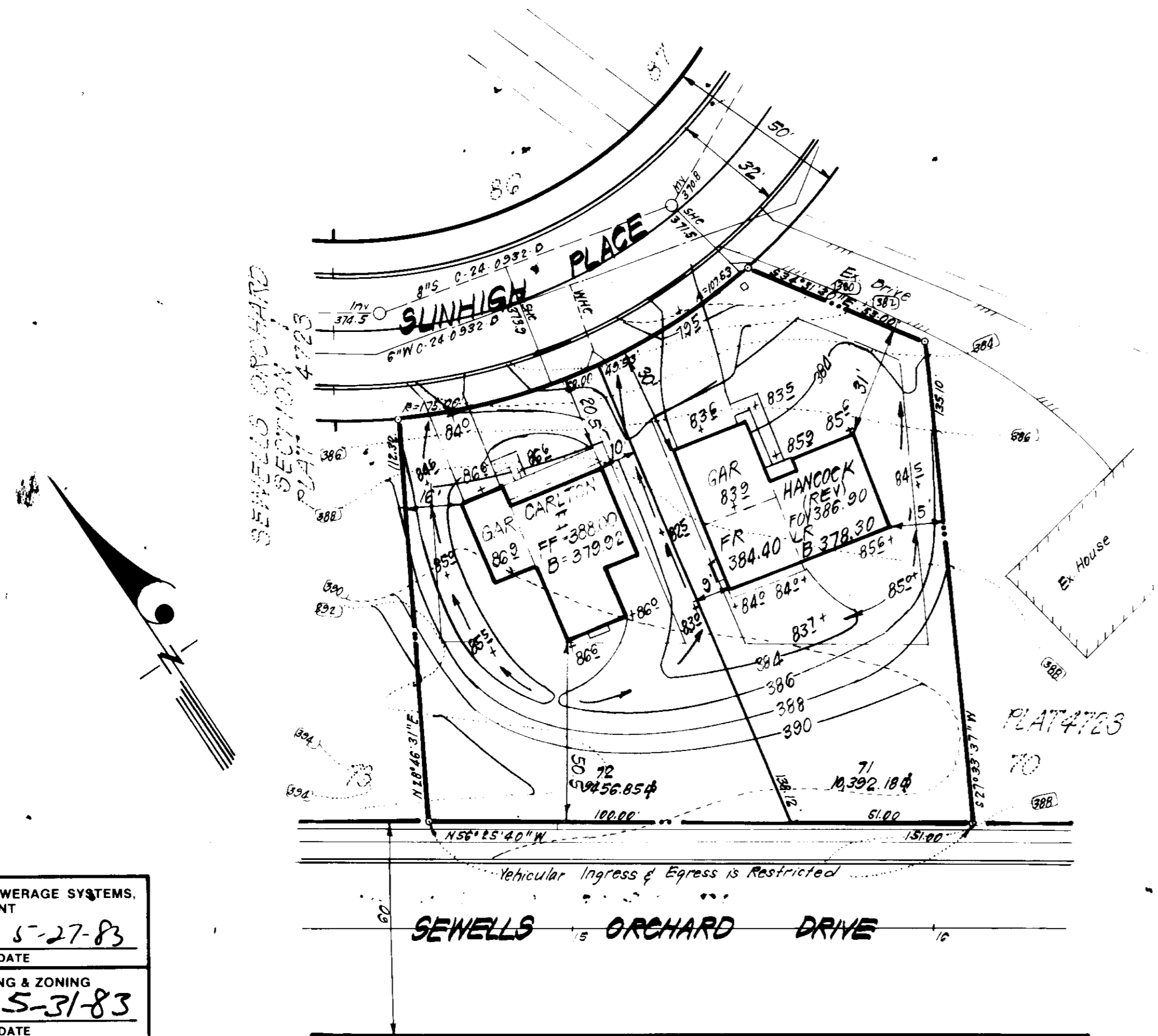
LEGEND:

- Contour Interval 2 Ft.
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Existing Trees to be retained
- Walk out Basement

NOTE:
Existing Driveway across Lots 195 & 45 to be removed.

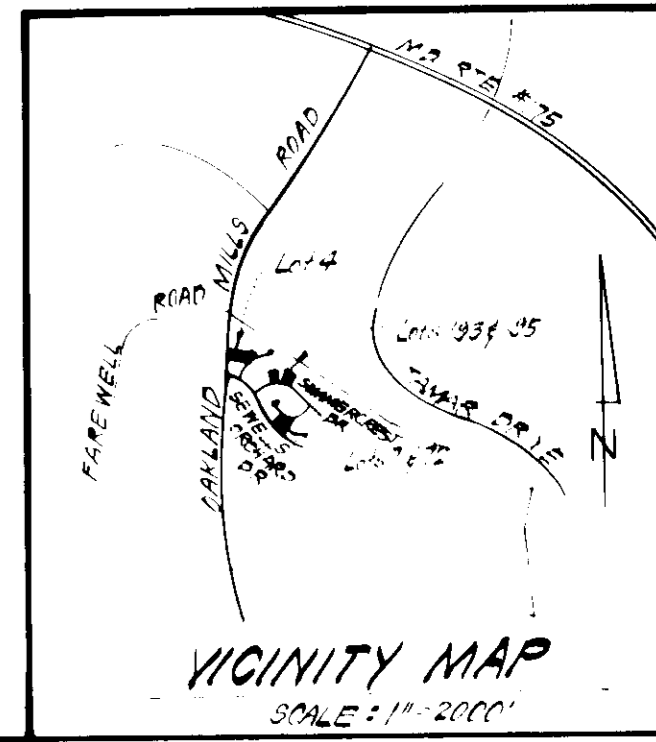


TYPICAL HOUSES
NO SCALE



DRIVEWAY ABUTTING STD. 7" COMB. CURB & GUTTER
NO SCALE

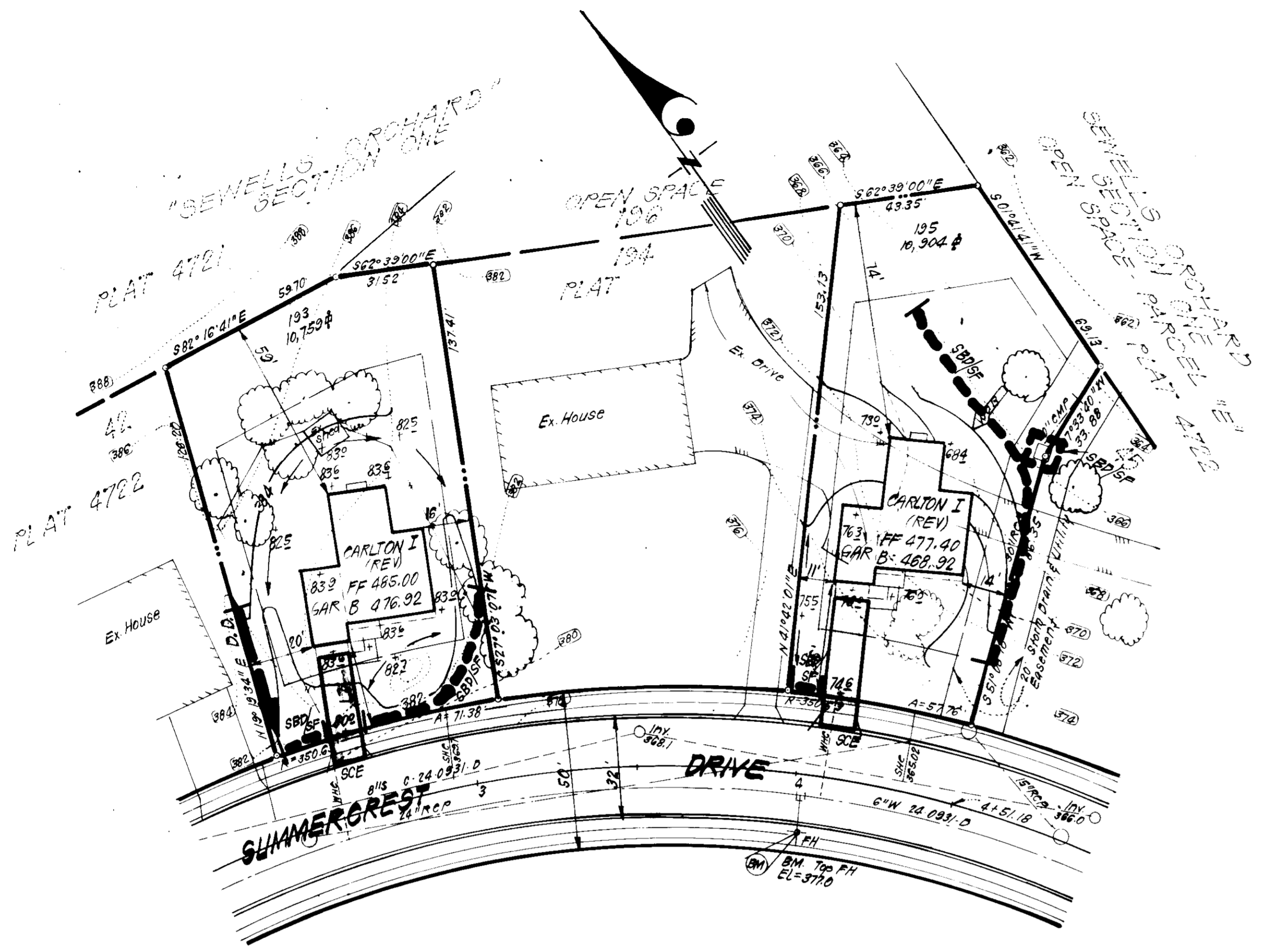
APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-10-83
[Signature]



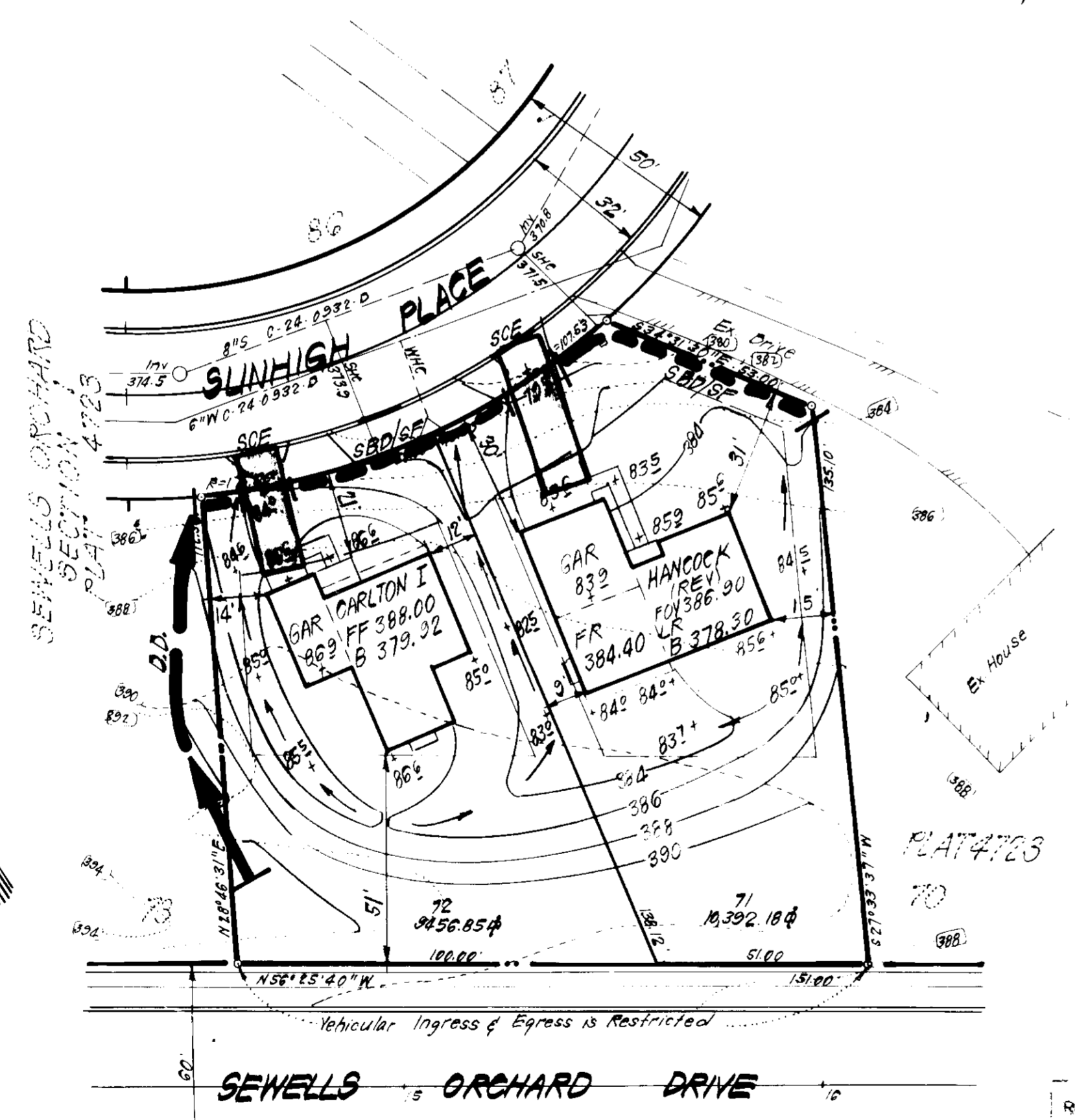
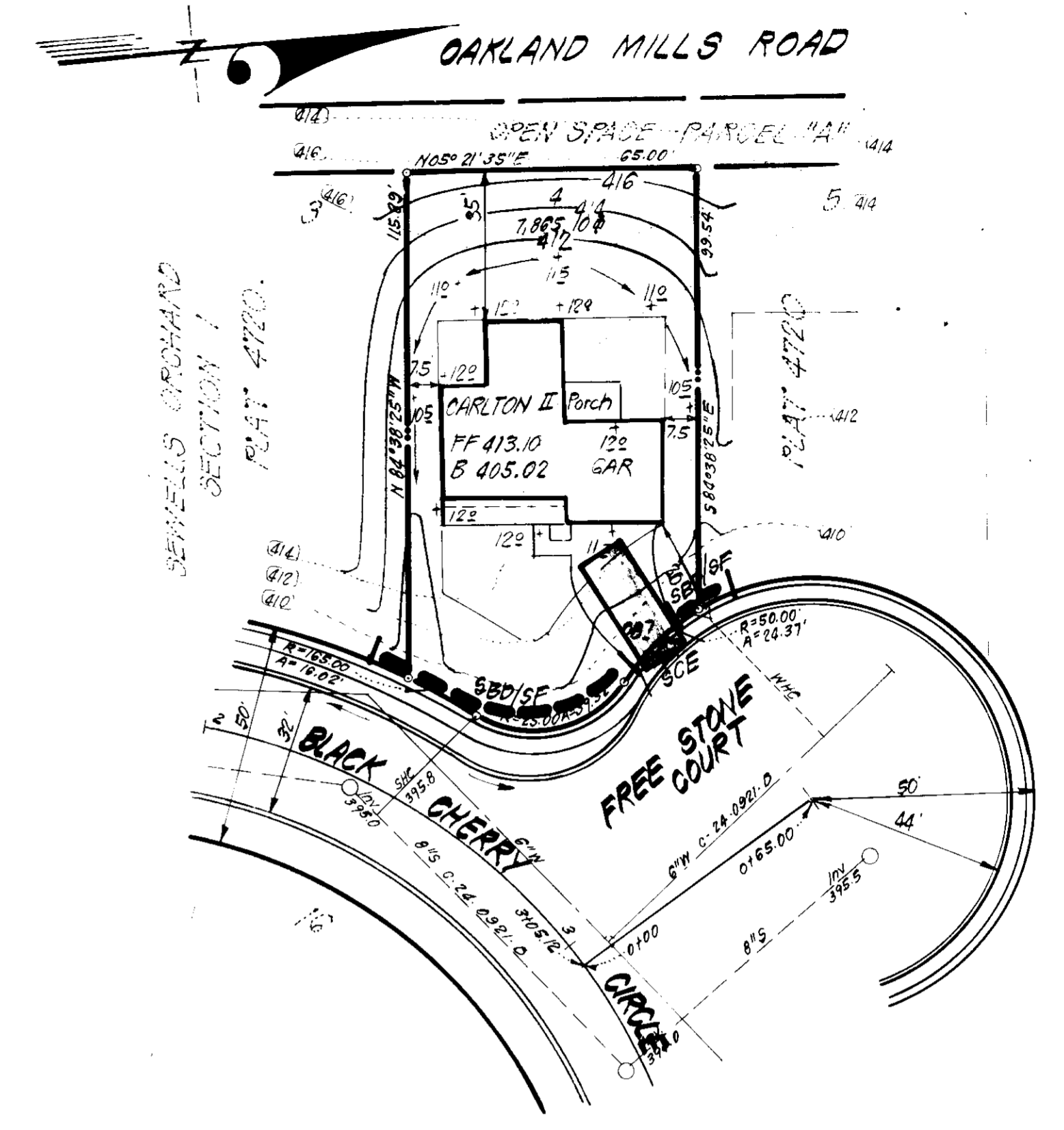
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT	<i>[Signature]</i> DATE 5-27-83
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING	<i>[Signature]</i> DATE 5-31-83
APPROVED: DIVISION OF LAND DEVELOPMENT & ZONING ADMIN.	<i>[Signature]</i> DATE 5-31-83
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>[Signature]</i> DATE 5-16-83
SECTION	<i>[Signature]</i> DATE 5-26-83
BY BUREAU OF ENGINEERING	<i>[Signature]</i> DATE

CLARK · FINEFRÖCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400			
DESIGNED	JME	SCALE	1" = 30'
DRAWN	JME	DRAWING	10-F-3
CHECKED	K.L.W.	JOB NO.	81025
DATE	5-14-83	FILE NO.	81025-X
SITE DEVELOPMENT PLAN LOTS 4, 7, 12, 13, AND 15 SEWELLS ORCHARD SECTION ONE 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND PART: DIVERSIFIED HOUSING CORP. SUITE 211 American City Bldg Columbia Maryland 21044			

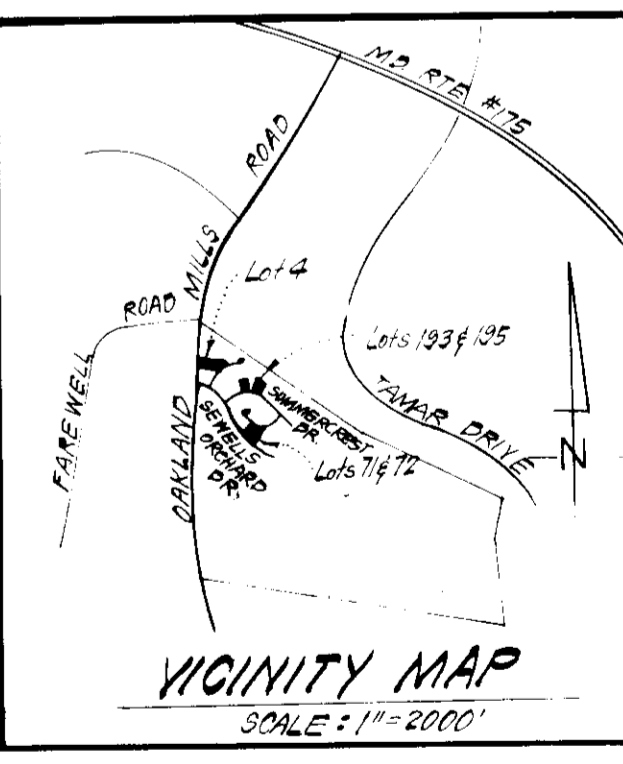
SDP-83-166



- LEGEND:**
- 1 Contour Interval 2 FT
 - 2 Existing Contour 4.0
 - 3 Proposed Contour 4.10
 - 4 Spot Elevation +1.05
 - 5 Direction of Drainage →
 - 6 Existing Trees to be retained (circle with cross)
 - 7 Walk out Basement (WCB) (dashed line)
 - 8 Diversion Dike (DD) (thick solid line)
 - 9 Straw Bale Dike or Silt Fence (SBD/SF) (dashed line)
 - 10 Stone Construction Entrance (SCE) (rectangle)



APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 5-10-83



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE 5-27-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE 5-31-83

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 5-26-83

Reviewed: Howard
 Date 5-24-83

ENGINEER'S CERTIFICATE
 We certify that all development and construction will be done in accordance with the plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sedimentation before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation District or their agents, as are deemed necessary.

Paul Montgomery
 Signature of Developer
 Date 4/14/83

ENGINEER'S CERTIFICATE
 I hereby certify that the plan for Erosion and Sediment Control is practical and workable and 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
 Signature of Engineer
 Date 4-13-83

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

DESIGNED	JLS	SCALE	1" = 30'
CHECKED	K.L.W.	DRAWING	2 OF 3
DATE	4-14-83	JOB NO.	81025
		FILE NO.	81025 SE

SEWELLS ORCHARD
 SECTION 1
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: DIVERSIFIED HOUSING CORP.
 Suite 211 American City Bldg.
 Columbia Maryland 21044

SDP-83-166

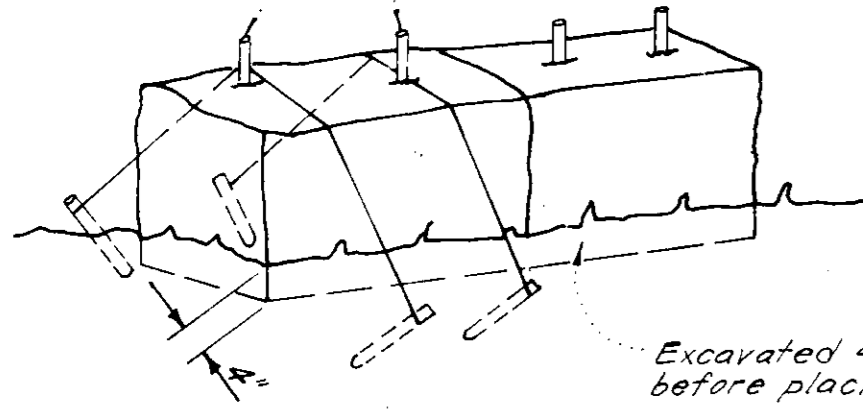
GENERAL NOTES

- 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 ryegrass applied at a rate of 14 lbs/1000 sf.
- 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 sf. Mixture - 40% Kentucky Bluegrass, 20% chewing Fescue, 20% Kentucky 31 and 20% annual ryegrass.
 - Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 sf. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 30 lbs/1000 sf.
 - Mulch - Weed Free grain straw applied at a rate of 70-90 lbs/1000 sf. 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.
- 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.
- All pipes to be blocked at the end of each day. See detail this sheet (N.A.)
- Total Amount of Straw Bales or Silt Fence shown = **440** LF
- SITE ANALYSIS:

A. Total Area:	1.134	Acres
B. Area to be Roofed:	0.163	Acres
C. Area to be Paved:	0.063	Acres
D. Area to be Seeded:	0.607	Acres
E. Area Undisturbed:	0.301	Acres
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dike
 - Excavate for Foundations and Rough Grade
 - Erect Structures, Driveways and Sidewalks
 - Final Grade and Stabilize in accordance with note #6
- 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.

All bales shall be tied with non-weathering materials, i.e. wire, nylon.

Two rebars or wooden stakes driven through each hole 1 1/2"-2" into ground. Rebars to be driven flush with top of bales.



Excavated 4" below Ground before placing bales.

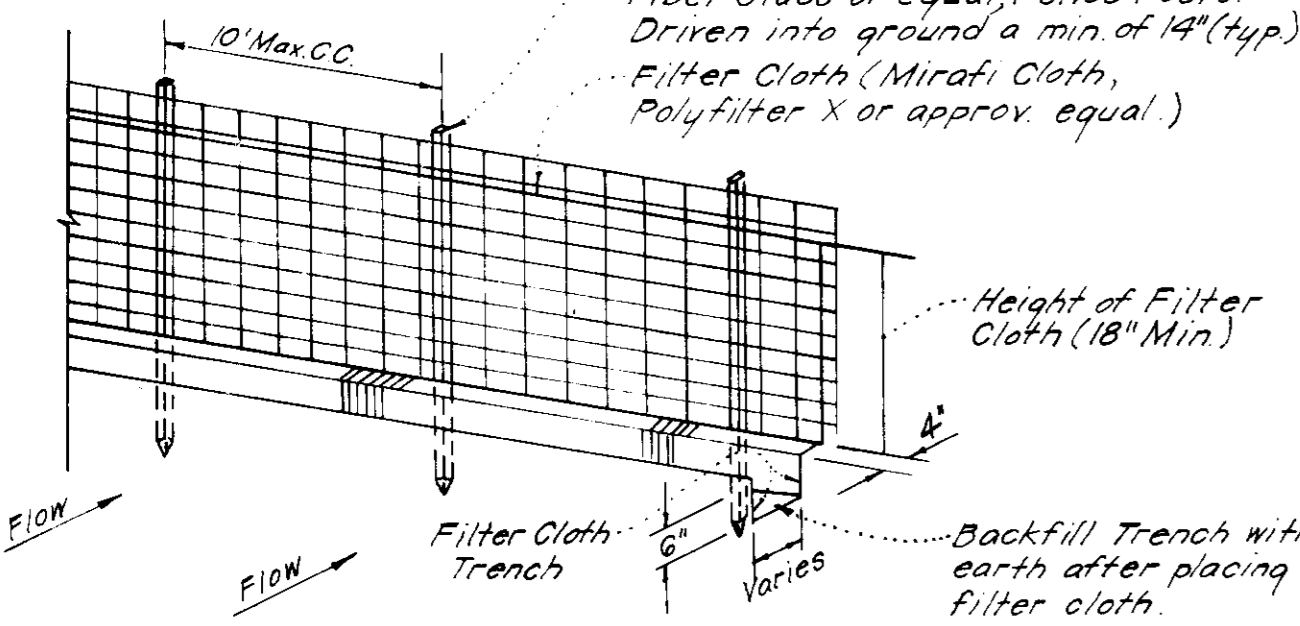
Note: In lieu of the use of rebars each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above.)

STRAW BALE DIKE DETAIL (S.B.D.)

No SCALE

Woven wire fence - Min 14 gage; 6" Max spacing

3/8" Min. Metal, Heavy Duty Fiber Glass or equal Fence Posts Driven into ground a min. of 14" (typ) Filter Cloth (Mirafit Cloth, Polyfilter X or approved equal.)



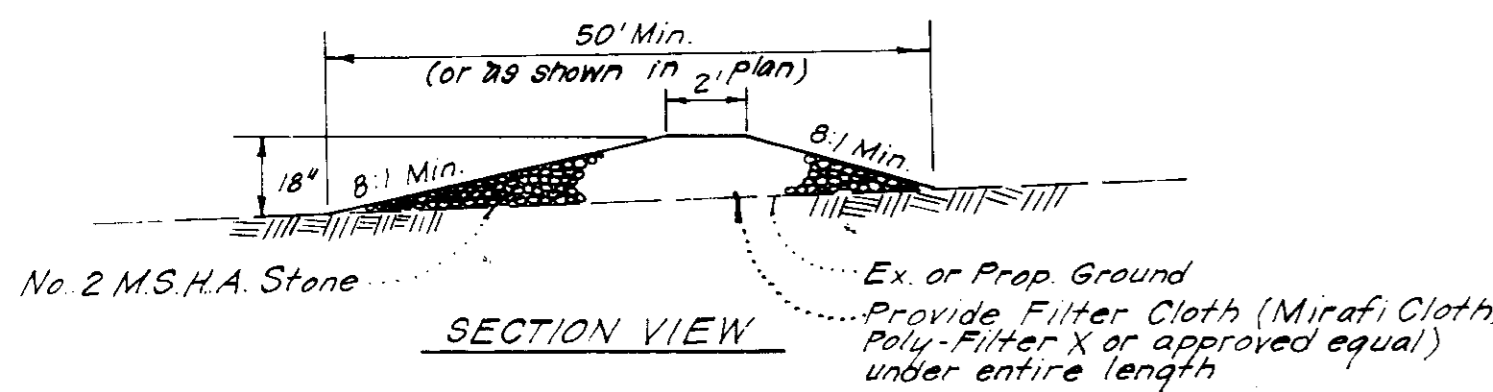
Height of Filter Cloth (18" Min)

Backfill Trench with earth after placing Filter cloth.

- Notes:
- Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 - Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24"x24".

SILT FENCE DETAIL (S.F.)

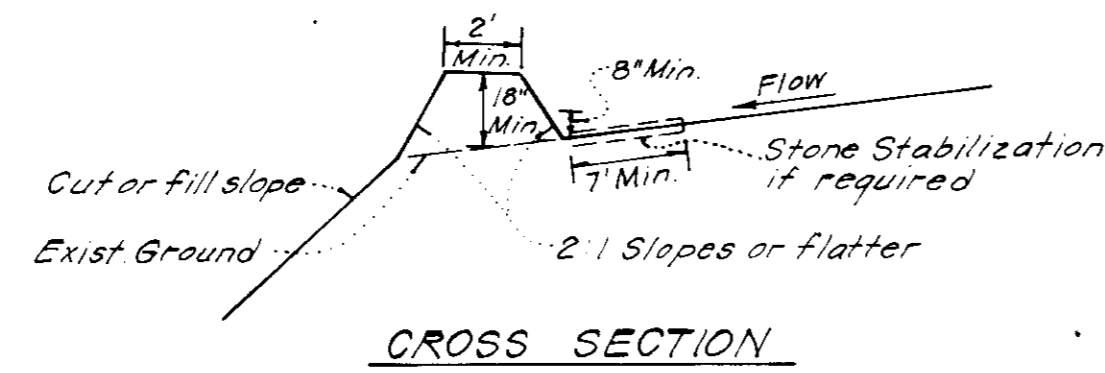
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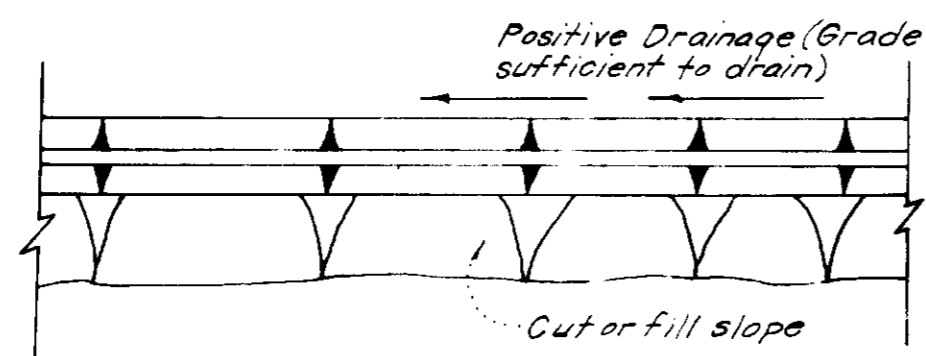
STONE CONSTRUCTION ENTRANCE (S.C.E.)

No SCALE

Ex. or Prop. Ground Provide Filter Cloth (Mirafit Cloth, Poly-Filter X or approved equal) under entire length



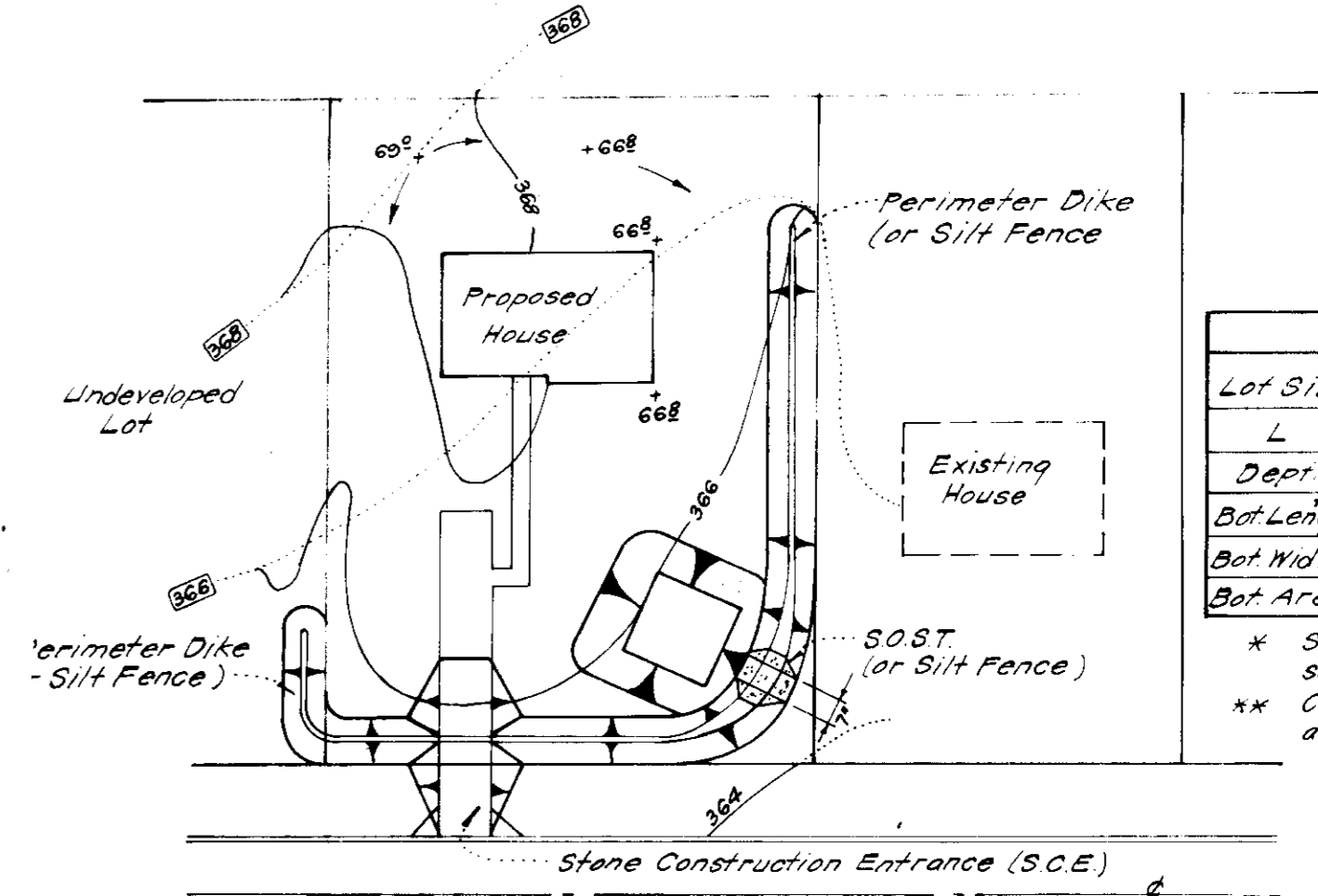
CROSS SECTION



PLAN VIEW

DIVERSION DIKE (D.D.)

No SCALE



S.O.S.T.*			
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	121 sq	286 sq	676 sq

* See Std. ST-3 pg. 2007 for det. not shown
** Can be adjusted in field but bottom area must be as given or greater

SINGLE LOT SEDIMENT CONTROL PLAN

No SCALE

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

APPROVED 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

Reviewed for **HOWARD** S.C.D. Name

and meets Technical Requirements

Signature: **T. Hampton** Date: **5/24/83**

U.S. Soil Conservation Service

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

Signature: **Paul Montgomery** Date: **5/24/83**

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: **Paul Montgomery** Date: **4/14/83**

Signature: **Gene Clark** Date: **4-15-83**

SEAL OF MARYLAND ENGINEERS AND SURVEYORS

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

11315 LOCKWOOD DRIVE
COLUMBIA, MARYLAND 21046

DESIGNED BY: **JLS**

DRAWN BY: **K/W**

CHECKED BY: **JLS**

DATE: **4-12-83**

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE **5-10-83**

SEWELLS ORCHARD

SECTION 1
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: **DIVERSIFIED HOUSING CORP.**
Suite 211 American City Bldg
Columbia, Maryland 21046

SCALE: **As Shown**

DRAWING: **3073**

JOB NO: **81025**

DATE: **8/25/82**

SDP-83-166