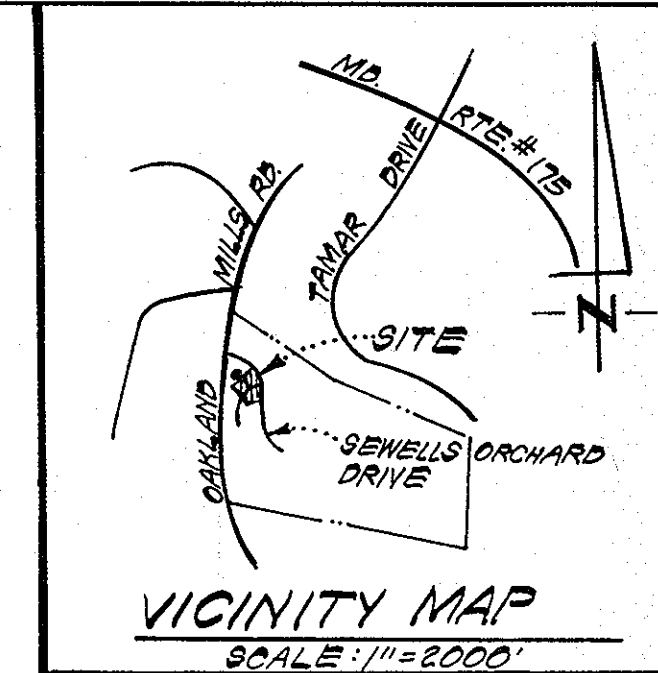
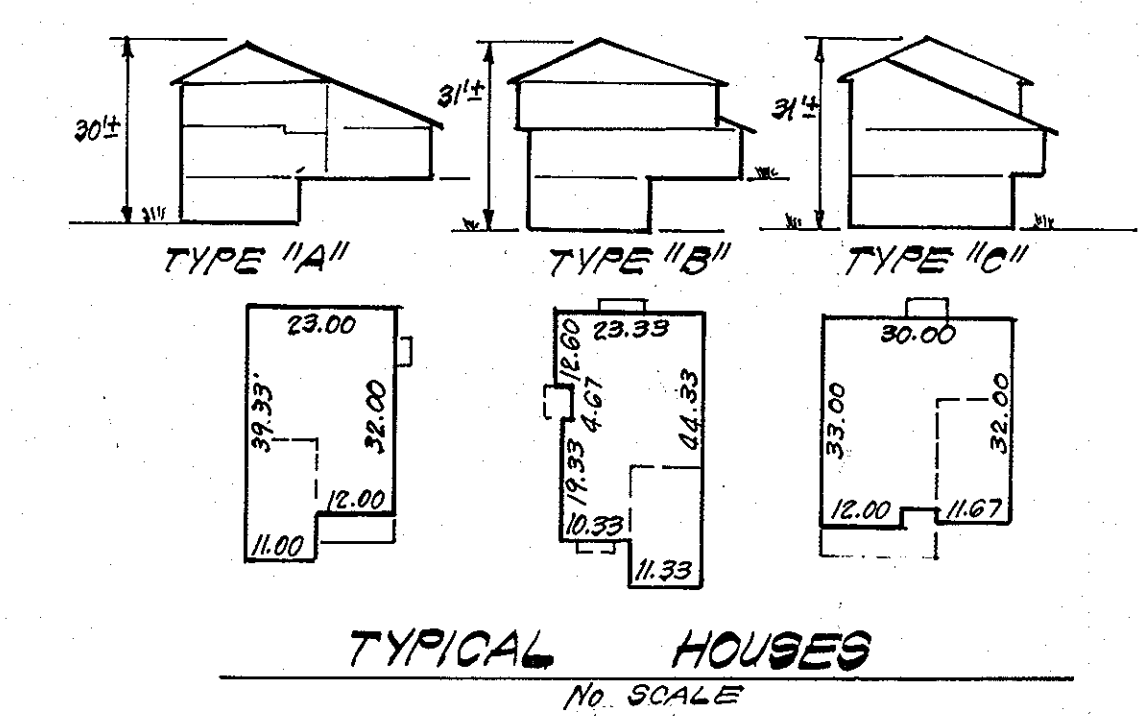


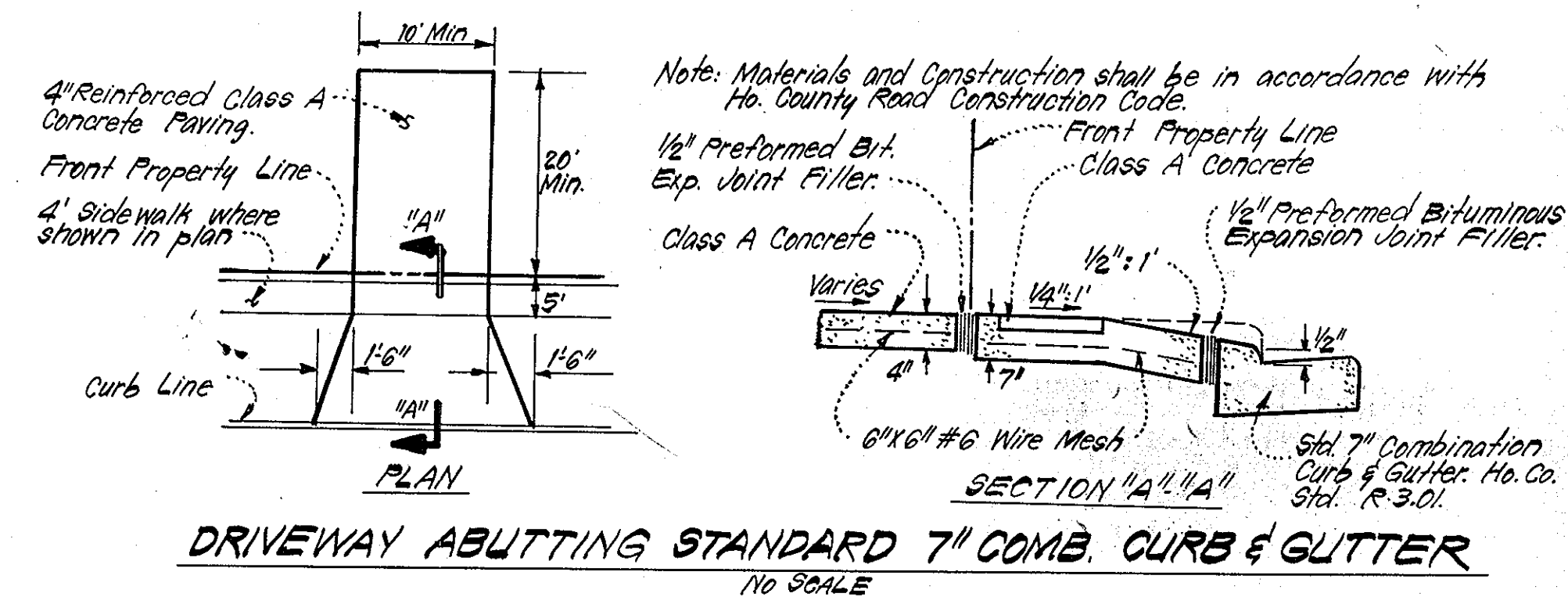
APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE **7-20-82**



- LEGEND:**
- 1. Contour Interval 2 FT.
 - 2. Existing Contour
 - 3. Proposed Contour
 - 4. Spot Elevation +802
 - 5. Direction of Drainage
 - 6. Walk-out Basement

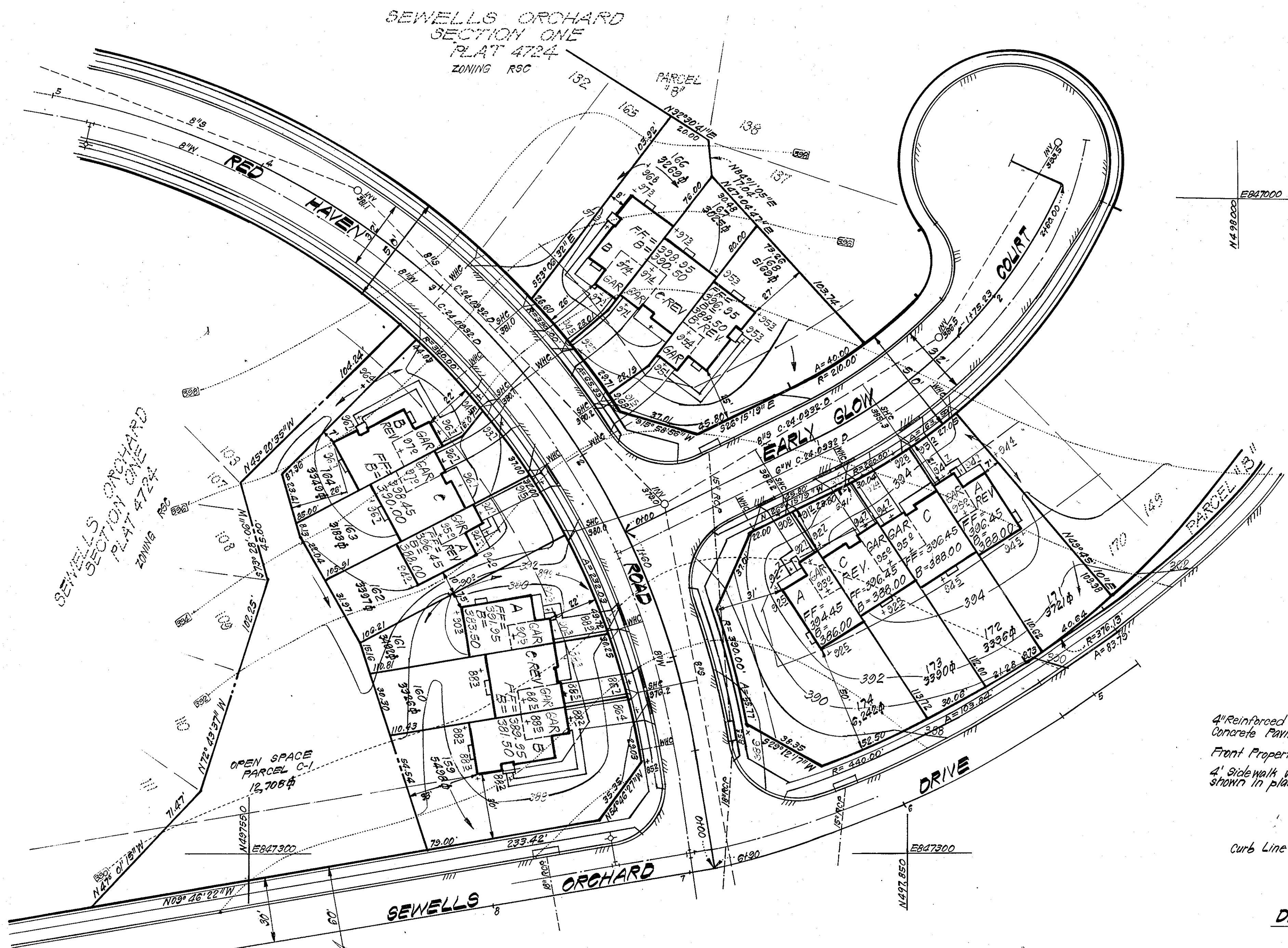


- GENERAL NOTES:**
- The land included in this plan is zoned R.S.C., per 10-3-77 Comprehensive Zoning Plan.
 - All coordinates are based on Howard County Control Station "Sewell."
 - The area covered is located on Tax Map No. 36, Parcel 247.
 - The total area covered = 1.448 Acres.
 - All roadways are public & existing.
 - Any damage to county owned rights of way shall be corrected at the developer's expense.
 - Total Number of Lots: 13, Total Number of Units: 13
 - Plat Reference: Plat No. 5243
 - Maximum Building Coverage Permitted: 40%
 - Building Coverage Provided: 23.8%



PLAT REFERENCE:

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		13115 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400
DESIGNED W.R.M.C.	SITE DEVELOPMENT PLAN LOTS 130-164, 166-168 & 171-174	SCALE 1"=30'
DRAWN K.I.W.	SEWELLS ORCHARD SECTION ONE	DRAWING 10F 3
CHECKED W.R.M.C.	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 8-102
DATE 3-17-82	FOR: ORCHARD ASSOCIATES 3907 DUCKS FOOT LANE ELICOTT CITY, MD 21043	FILE NO. 8-102-X

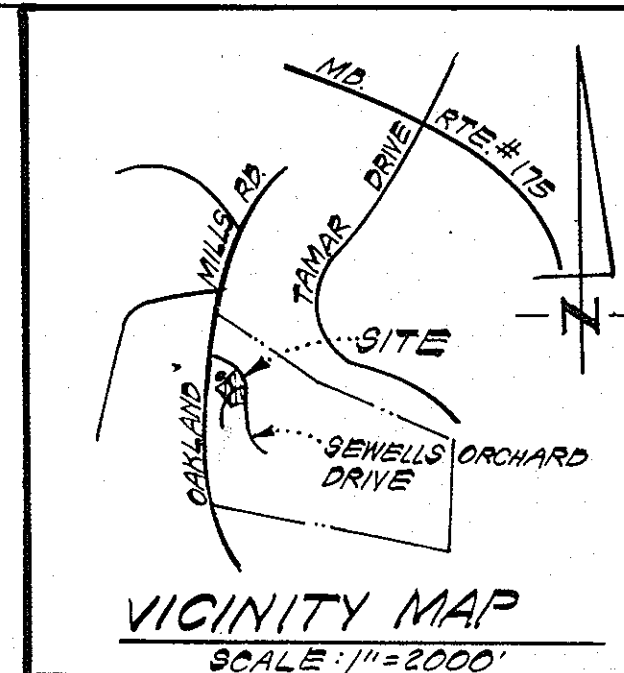


STREET TREES:
Street Trees shall be planted by the Developer
Orchards Assoc. at a rate of at least one tree
per 40' of Lot Frontage, and in accordance with
section 16.131 of the subdivision and Land
Development Regulations of No. Co.

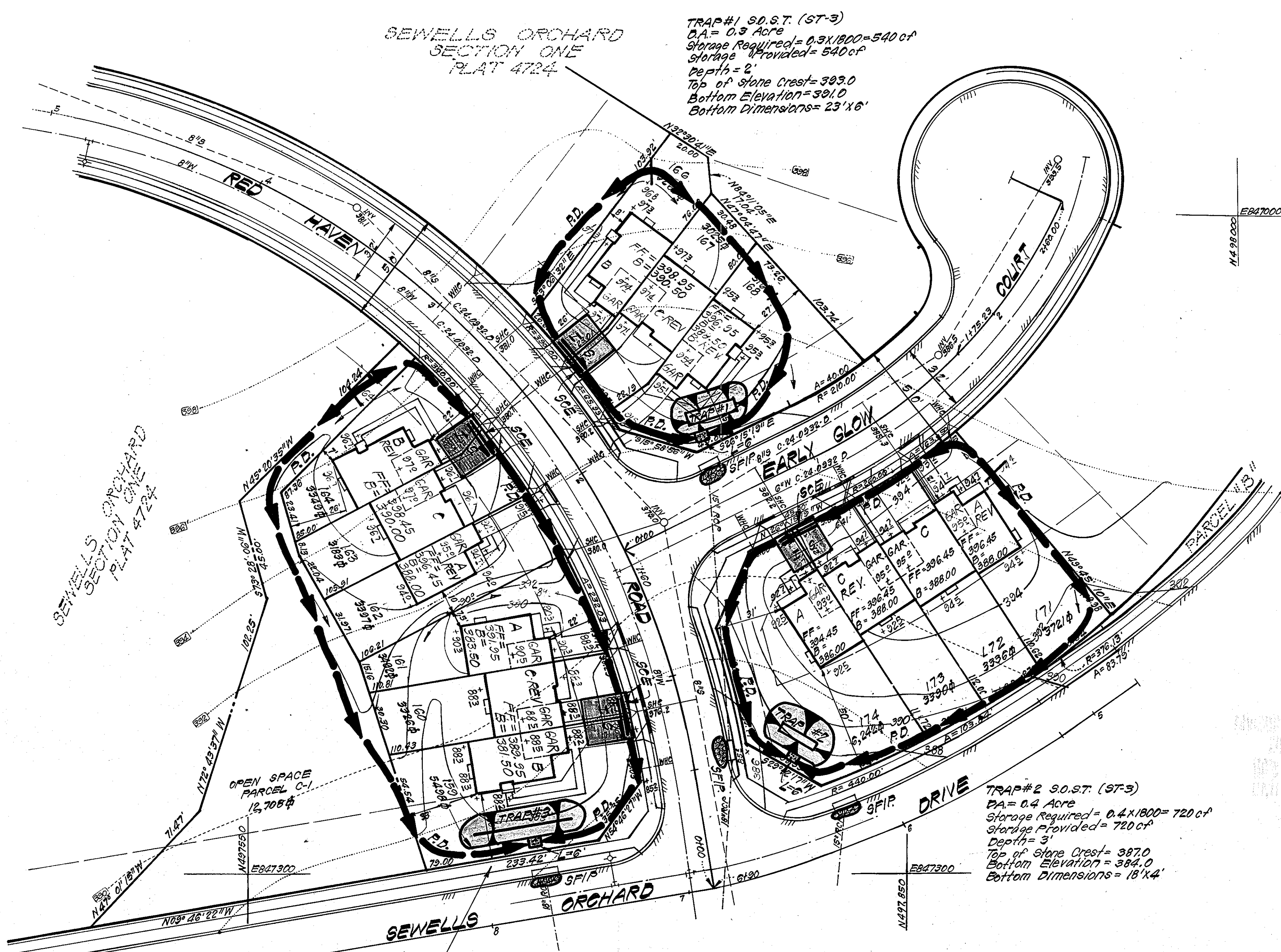
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	<i>John J. ...</i> DATE 9-7-82
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING	<i>Thomas ...</i> DATE 9-10-82
CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMIN.	<i>John ...</i> DATE 9-11-82
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>John F. ...</i> DATE 9-3-82
CHIEF BUREAU OF ENGINEERING	<i>John ...</i> DATE 11-3-82



OWNER: ORCHARD ASSOCIATES
3907 DUCKS FOOT LANE
ELICOTT CITY, MD 21043



- LEGEND:**
- 1. Contour Interval 2 FT.
 - 2. Existing Contour - - - - -
 - 3. Proposed Contour - - - - -
 - 4. Spot Elevation +80±
 - 5. Direction of Drainage →
 - 6. Walk-Out Basement [Symbol]
 - 7. Perimeter Dike [Symbol]
 - 8. Stone Filter Inlet Protection S.F.I.P. [Symbol]
 - 9. Stone Construction Entrance S.C.E. [Symbol]
 - 10. Interceptor Swale I.S. [Symbol]
 - 11. Sediment Trap [Symbol]



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
 JOYCE BOYER 9-7-82
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 THOMAS AMIDON 9-10-82
 PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 F. NEMMAY 9-3-82
 DIRECTOR DATE

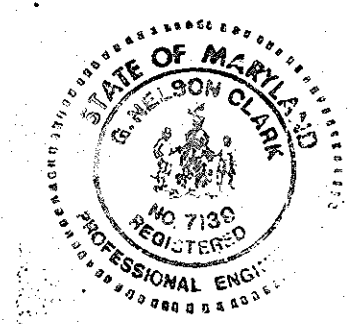
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 W. R. ... 9-3-82
 CHIEF BUREAU OF ENGINEERING DATE

TRAP #3 S.O.S.T. (ST-3)
 DA = 0.5 Acre
 Storage Required = 0.5 x 1800 = 900 cf
 Storage Provided = 900 cf
 Depth = 3'
 Top of Stone Crest = 387.0
 Bottom Elevation = 384.0
 Bottom Dimension = 44' x 0'

Reviewed for Howard S.C.D.
 Name
 and meets Technical Requirements
 Signature of James M. Nelson
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT.

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."

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 of G. Nelson Clark
 Date 3-18-82

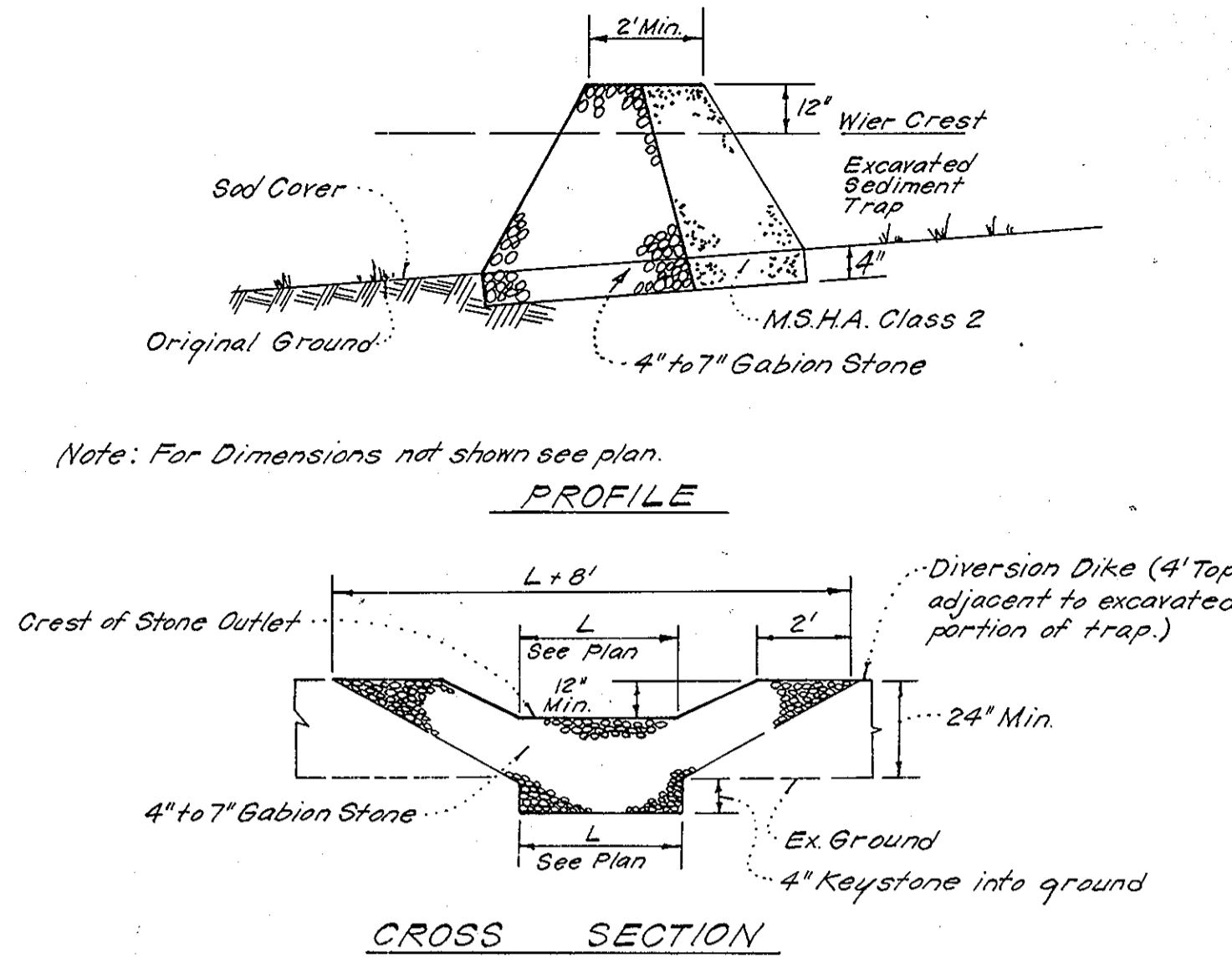
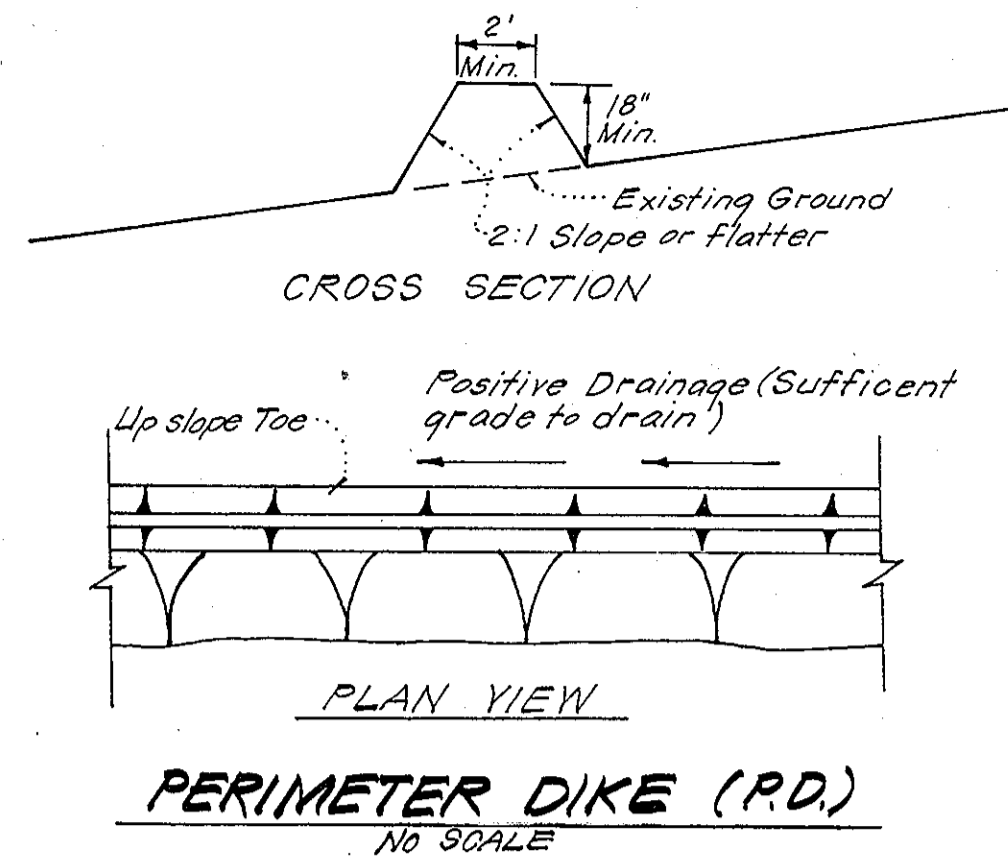


APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 7-20-82

CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED JLS.	SEDIMENT & EROSION CONTROL PLAN LOTS 159-162, 166-168 & 171-174 SEWELLS ORCHARD SECTION ONE 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: ORCHARD ASSOCIATES 3887 Ducks Foot Lane Ellicott City, Md 21043	SCALE 1"=30'
DRAWN K.W.		DRAWING 2 OF 3
CHECKED JLS.?		JOB NO. 81102
DATE 3-17-82		FILE NO. 81102-SE

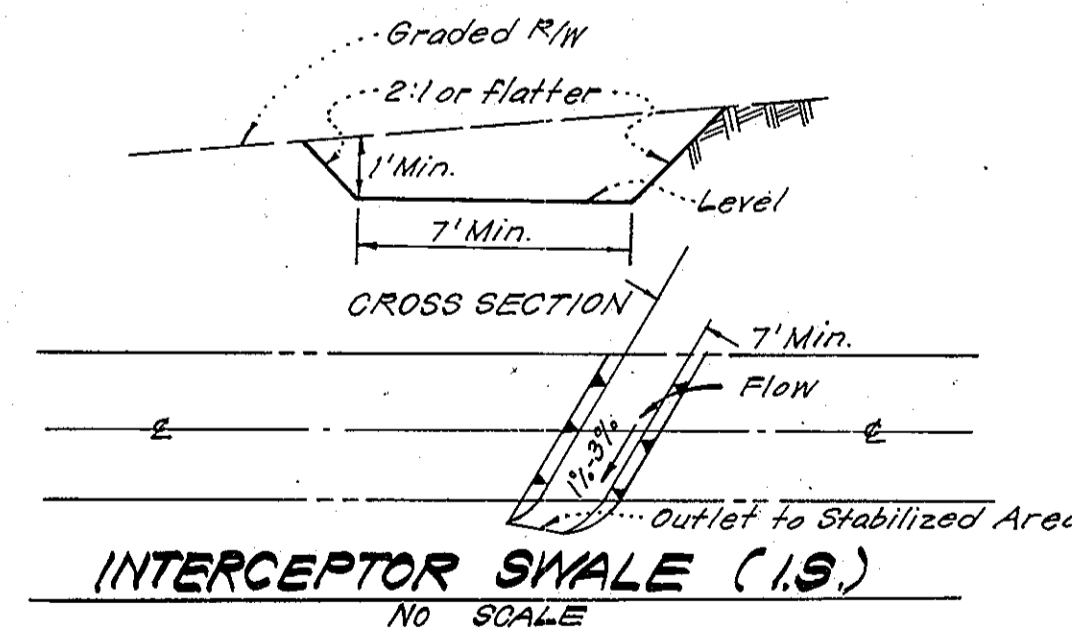
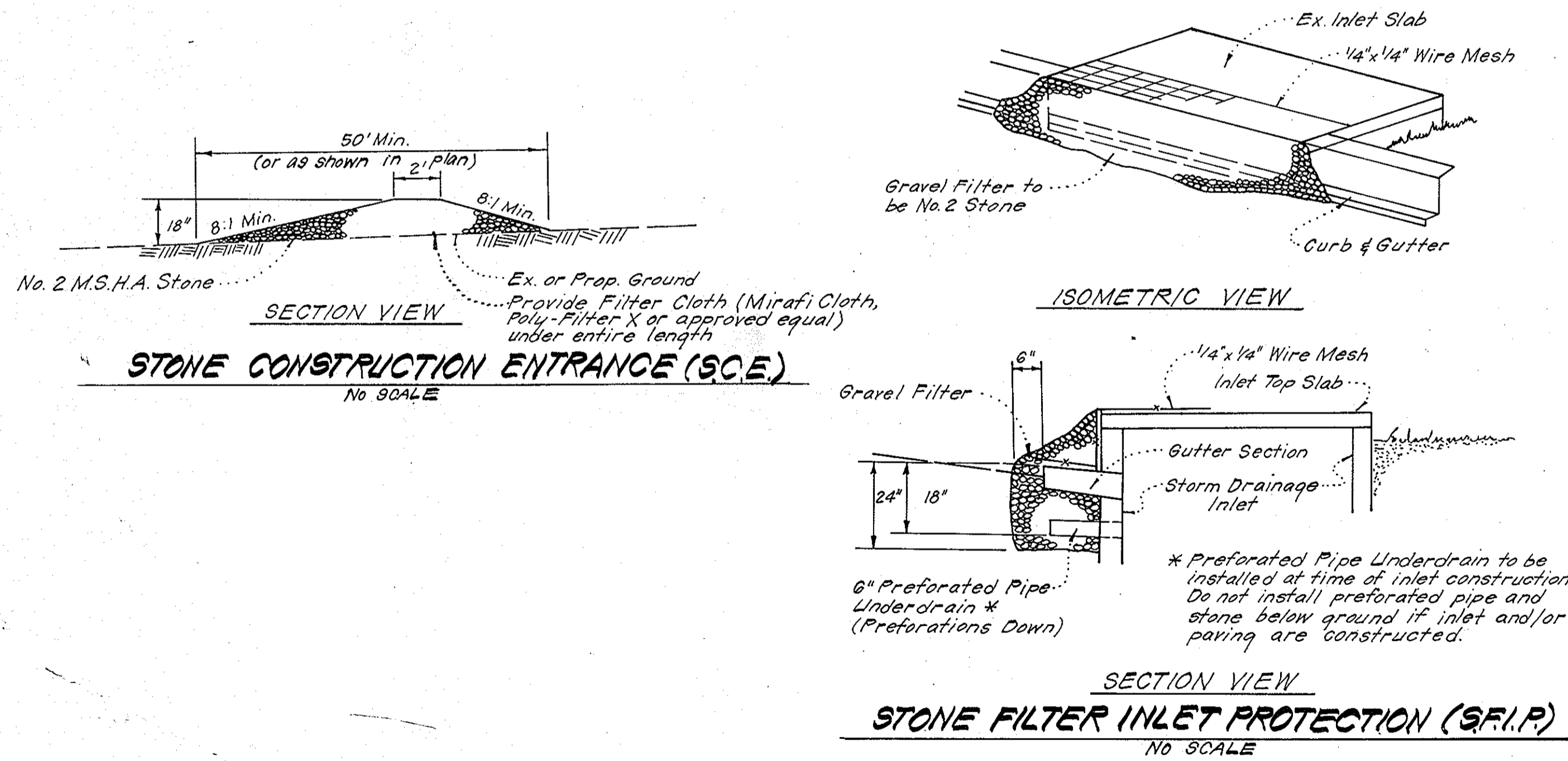
GENERAL NOTES

- 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 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 Blue, 20% chewing Fescue, 20% Kentucky 31 and 20% annual rye.
 - Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 sf. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 20 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 Sed 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.
- 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.
- Total Amount of Straw Bales or Silt Fence shown = None L.F.
- SITE ANALYSIS:
 - Total Area: 1.448 Acres.
 - Area to be Roofed: 0.270 Acres.
 - Area to be Paved: 0.129 Acres.
 - Area to be Seeded: 0.996 Acres.
 - Area Undisturbed: 0.053 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.

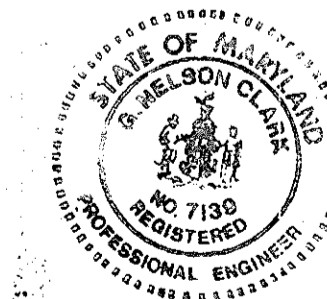


- Notes:
- Sediment Trap to be cleaned out when sediment reaches a level of 1ft. below crest of stone outlet.
 - Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
 - Stone Outlet to be constructed through diversion dike adjacent to excavated

DETAILS OF STONE FILTER OUTLET FOR STONE OUTLET SEDIMENT TRAP
 No SCALE



APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 7-20-82



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 Director: James Byrum DATE: 9-7-82

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Planning Director: Thomas H. Hanks DATE: 9-10-82

CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 Director: William M. Mann DATE: 9-11-82

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: William F. Neuman DATE: 9-3-82

CHIEF BUREAU OF ENGINEERING
 Director: William E. Kelly DATE: 9-3-82

Reviewed for: HOWARD S.C.D.
 Name
 and meets Technical Requirements
 Signature: James M. Nelson Date: 8/12/82
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature of Developer/Builder: William T. Rame DATE: 8-12-82

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."

Signature of Developer/Builder: G. Nelson Clark DATE: 3/29/82

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 of Engineer: G. Nelson Clark DATE: 3-18-82

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		11315 LOCKWOOD DRIVE SILVER SPRING MARYLAND 20904 301/593 3400
DESIGNED <u>J.L.S.</u>	SEDIMENT & EROSION CONTROL PLAN LOTS 150-164, 166-169, & 171-174 SEWELLS ORCHARD	SCALE <u>As Shown</u>
DRAWN <u>H.I.W.</u>		DRAWING <u>30F-3</u>
CHECKED <u>J.L.S.</u>	SECTION ONE 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. <u>81-102</u>
DATE <u>3-18-82</u>	FOR: <u>ORCHARD ASSOCIATES</u> 3967 Ducks Foot Lane Ellicott City, Md 21043	FILE NO. <u>81-102-S2</u>