

PARCEL 1E1
SEWELLS ORCHARD
SECTION 1
PLATS 4722, 4723 & 4725

SEWELLS ORCHARD
SECTION 1
PLAT 4723

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-28-81

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE 8-20-81
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 8-24-81
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 8-17-81
DATE 8-17-81

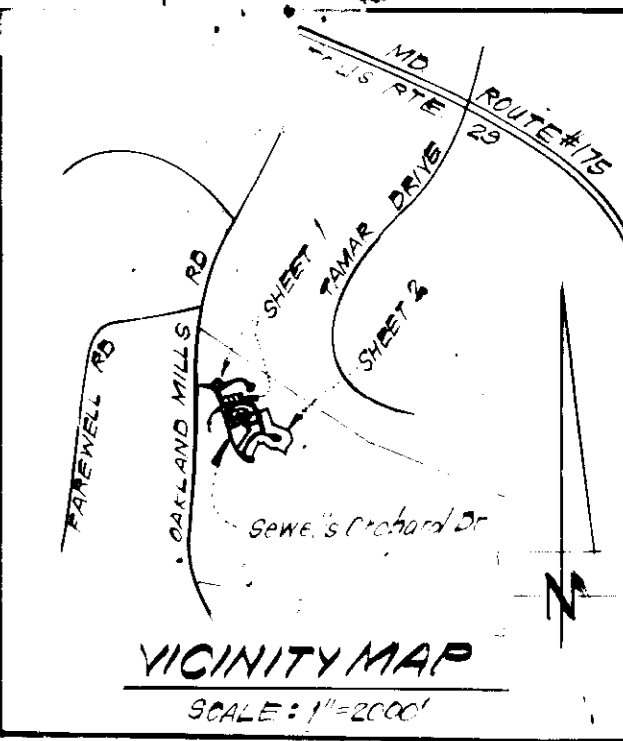
CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED J.M.E.	SITE DEVELOPMENT PLAN LOTS 10, 40 THRU 42, 47 THRU 69 LOTS 157, 77 THRU 80 AND 82 THRU 85	SCALE 1"=30'
DRAWN K.I.W.	SEWELLS ORCHARD	DRAWING 2 OF 5
CHECKED J.M.E.	SECTION 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 81-025
DATE 8-9-81	FOR: DIVERSIFIED HOUSING CORP. SUITE 211 AMERICAN CITY BLDG. COLUMBIA, MARYLAND 21044	FILE NO. 81-025-X

Donald B. Sackett

28 Lots

SDP 81-187

SDP-81-187,



- LEGEND:**
- 1. Contour Interval: 2' F.I.
 - 2. Existing Contour: 430'
 - 3. Proposed Contour: 431'
 - 4. Spot Elevation: 134.5'
 - 5. Direction of Drainage: [Symbol]
 - 6. Existing Trees to be retained: [Symbol]
 - 7. Walk out Basement: [Symbol]
 - 8. Stone Filter Inlet Protection: SFIP
 - 9. Stone Construction Entrance: SCE
 - 10. Perimeter Dike: PD
 - 11. Straw Bale Dike or Silt Fence: SBD/SF
 - 12. Sediment Trap: [Symbol]

Reviewed for HOWARD S.C.D. Name and meet technical requirements Signature Date U.S. Soil Conservation Service

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."

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

Signature of Developer/Builder: Paul Montgomery Date: 6-25-81

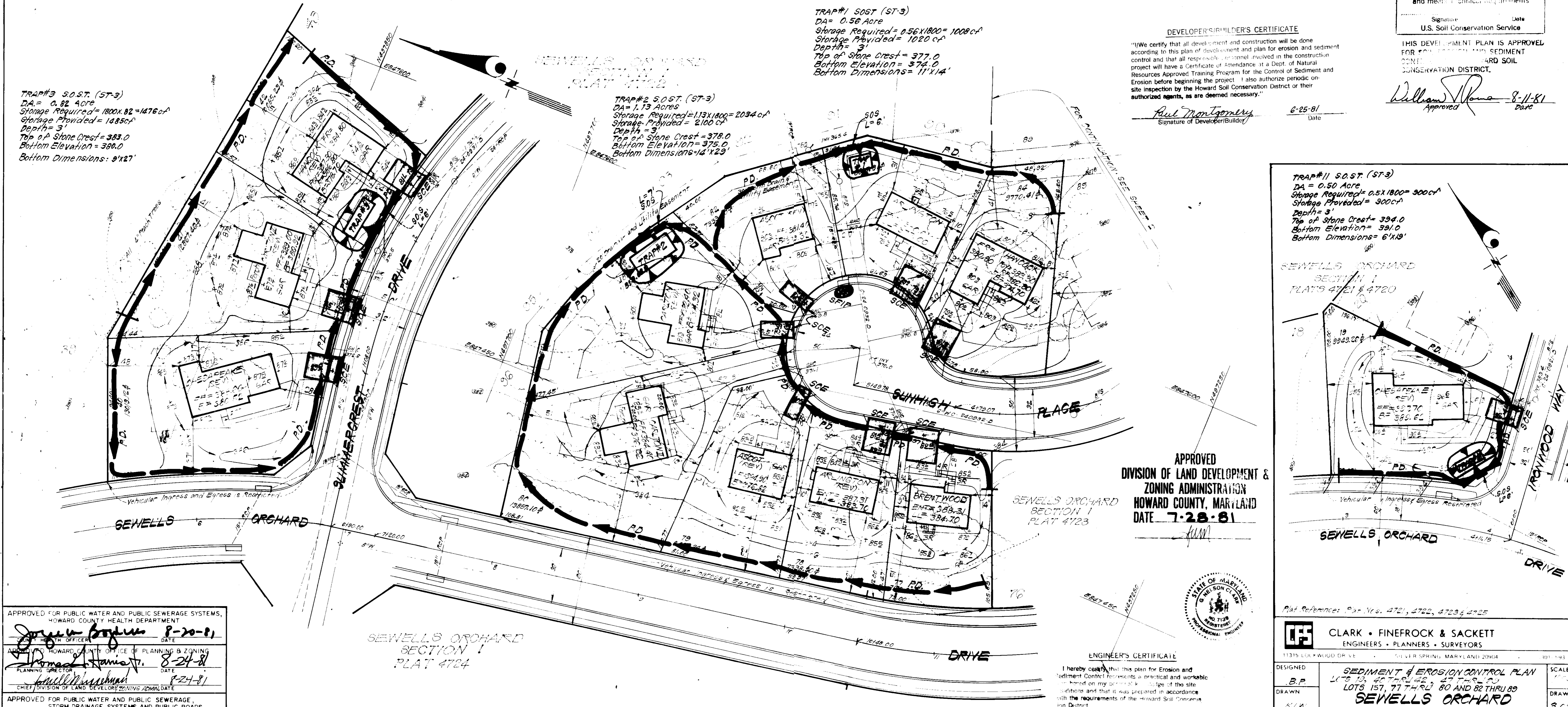
Approved: William Stone Date: 8-11-81

TRAP#3 S.O.S.T. (ST-3)
 DA = 0.82 Acre
 Storage Required = 1800 x .82 = 1476 cf
 Storage Provided = 1485 cf
 Depth = 3'
 Top of Stone Crest = 383.0
 Bottom Elevation = 380.0
 Bottom Dimensions: 9'x27'

TRAP#1 S.O.S.T. (ST-3)
 DA = 0.56 Acre
 Storage Required = 0.56 x 1800 = 1008 cf
 Storage Provided = 1020 cf
 Depth = 3'
 Top of Stone Crest = 377.0
 Bottom Elevation = 374.0
 Bottom Dimensions = 11'x14'

TRAP#2 S.O.S.T. (ST-3)
 DA = 1.73 Acres
 Storage Required = 1.73 x 1800 = 2034 cf
 Storage Provided = 2100 cf
 Depth = 3'
 Top of Stone Crest = 378.0
 Bottom Elevation = 375.0
 Bottom Dimensions = 14'x29'

TRAP#11 S.O.S.T. (ST-3)
 DA = 0.50 Acre
 Storage Required = 0.5 x 1800 = 900 cf
 Storage Provided = 900 cf
 Depth = 3'
 Top of Stone Crest = 394.0
 Bottom Elevation = 391.0
 Bottom Dimensions = 6'x18'



APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 7-28-81



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: G. Nelson Clark Date: 6-26-81

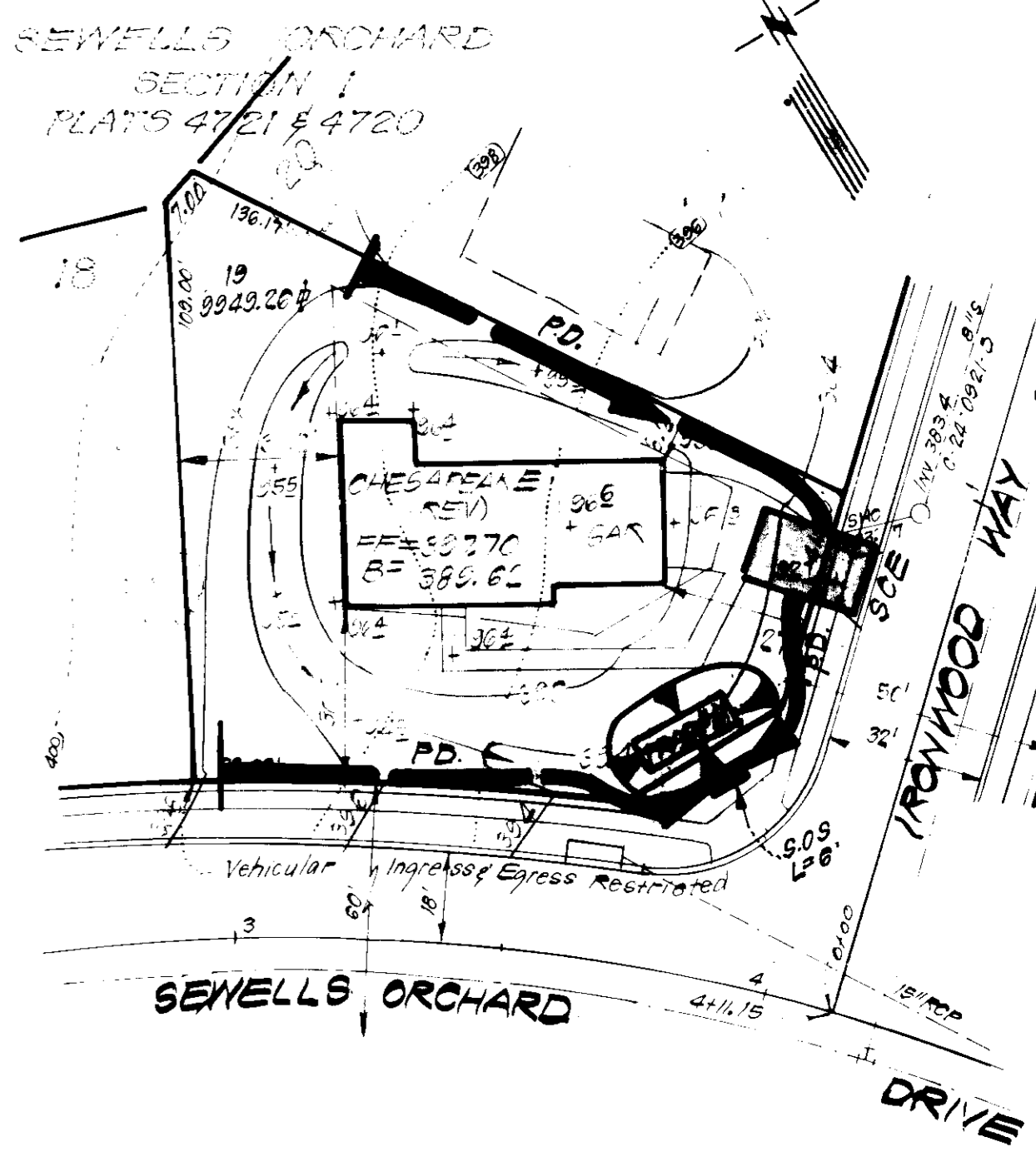
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Director: [Signature] Date: 8-20-81

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Planning Director: [Signature] Date: 8-24-81

CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 Director: [Signature] Date: 8-24-81

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: [Signature] Date: 8-17-81

CHIEF BUREAU OF ENGINEERING
 Director: [Signature] Date: 8-17-81



Plat Reference: Plat Nos. 4721, 4722, 4723 & 4725

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LUX WOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 493-1400

DESIGNED	B.P.	SCALE	1"=30'
DRAWN	K/W	DRAWING	31-5
CHECKED	B.P.	JOB NO.	81-025
DATE	7-26-81	FILE NO.	81-025-95

SEDIMENT & EROSION CONTROL PLAN
 LOTS 19, 20 THRU 42, 47 THRU 50
 LOTS 151, 77 THRU 80 AND 82 THRU 89
SEWELLS ORCHARD

SECTION 1 DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: DIVERSIFIED HOUSING CORP.
 SUITE 211 AMERICAN CITY BLDG.
 COLLETSVILLE, MARYLAND 21044

TRAP#6 S.O.ST. (ST-3)
 DA = 0.685 Acre
 Storage Required = 0.685x1800 = 1233 cF
 Storage Provided = 1260 cF
 Depth = 3'
 Top of Stone Crest = 362.8
 Bottom Elevation = 359.8
 Bottom Dimensions = 9'x22'

TRAP#4 SOST (ST-3)
 DA = 0.592 Acre
 Storage Required = 0.592x1800 = 1066 cF
 Storage Provided = 1092 cF
 Depth = 3'
 Top of Stone Crest = 358.5
 Bottom Elevation = 355.5
 Bottom Dimensions = 8'x20'

TRAP#7 S.O.ST. (ST-3)
 DA = 0.29 Acre
 Storage Required = 0.29x1800 = 522 cF
 Storage Provided = 420 cF
 Depth = 3'
 Top of Stone Crest = 374.0
 Bottom Elevation = 371.0
 Bottom Dimensions = 4'x8'

TRAP#5 SOST (ST-3)
 DA = 0.455 Acre
 Storage Required = 0.455x1800 = 819 cF
 Storage Provided = 825 cF
 Depth = 3'
 Top of Stone Crest = 366.0
 Bottom Elevation = 363.0
 Bottom Dimensions = 5'x19'

TRAP#12 S.O.ST. (ST-3)
 DA = 0.34 Acre
 Storage Required = 0.34x1800 = 612 cF
 Storage Provided = 630 cF
 Depth = 3'
 Top of Stone Crest = 370.0
 Bottom Elevation = 367.0
 Bottom Dimensions = 4'x18'

TRAP#10 S.O.ST. (ST-3)
 DA = 0.560 Acre
 Storage Required = 0.560x1800 = 1008 cF
 Storage Provided = 1035 cF
 Depth = 3'
 Top of Stone Crest = 373.0
 Bottom Elevation = 370.0
 Bottom Dimensions = 9'x17'

TRAP#9 S.O.ST. (ST-3)
 DA = 0.864 Acre
 Storage Required = 0.864x1800 = 1555 cF
 Storage Provided = 1584 cF
 Depth = 3'
 Top of Stone Crest = 376.0
 Bottom Elevation = 373.0
 Bottom Dimensions = 10'x27'

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 7-29-81

TRAP#8 SOST (ST-3)
 DA = 0.641 Acre
 Storage Required = 0.641x1800 = 1154 cF
 Storage Provided = 1173 cF
 Depth = 3'
 Top of Stone Crest = 378.0
 Bottom Elevation = 375.0
 Bottom Dimensions = 11'x17'

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
 G. Nelson Clark 6-26-81
 Date

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."

Paul Montgomery
 Paul Montgomery 6-25-81
 Date



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
Joseph P. Jones 8-2-81
 HEALTH OFFICER
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
Thomas A. Hamilton 8-24-81
 PLANNING DIRECTOR
Paul W. Marshall 8-24-81
 CHIEF DIVISION OF LAND DEVELOPMENT, ZONING ADMIN. DATE
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William F. Neuman 8-17-81
 DIRECTOR
William F. Neuman 8-17-81
 CHIEF BUREAU OF ENGINEERING

Reviewed for HOWARD S.C.D.
 Name and Initials
Joseph P. Jones Date 8-11-81
 Signature Date
 U.S. Soil Conservation Service

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

William F. Neuman 8-11-81
 Approved Date

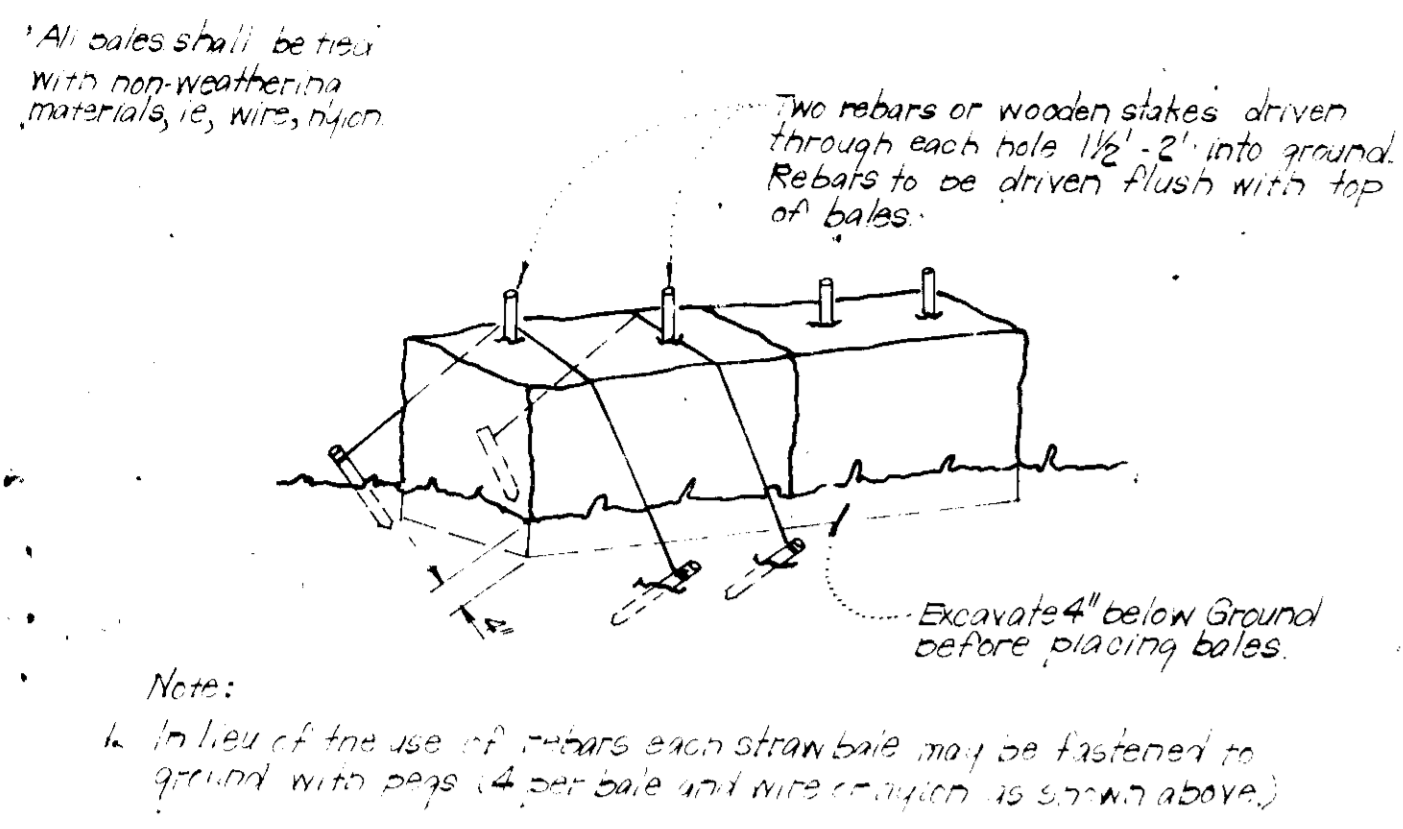
CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LINDA ROAD, SUITE 201, BELTSVILLE, MARYLAND 20814 (301) 591-5800		
DESIGNED B.P.	SEDIMENT & EROSION CONTROL PLAN LOTS 19, 40, 41, 42, 47, 48, 49 LOTS 151, 77, 78, 79, 80 AND 82 THRU 88	SCALE 1"=50'
DRAWN A.W.	SEWELLS ORCHARD SECTION	DRAWING 4 OF 5
CHECKED B.P.	8TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. P-125
DATE 7-26-81	FOR: DIVERSIFIED HOUSING CORP. SUITE 211, STEPHENSON BLVD. DR. 4700 N. MICHIGAN AVE.	FILE NO. P125-9E

SDP-81-187

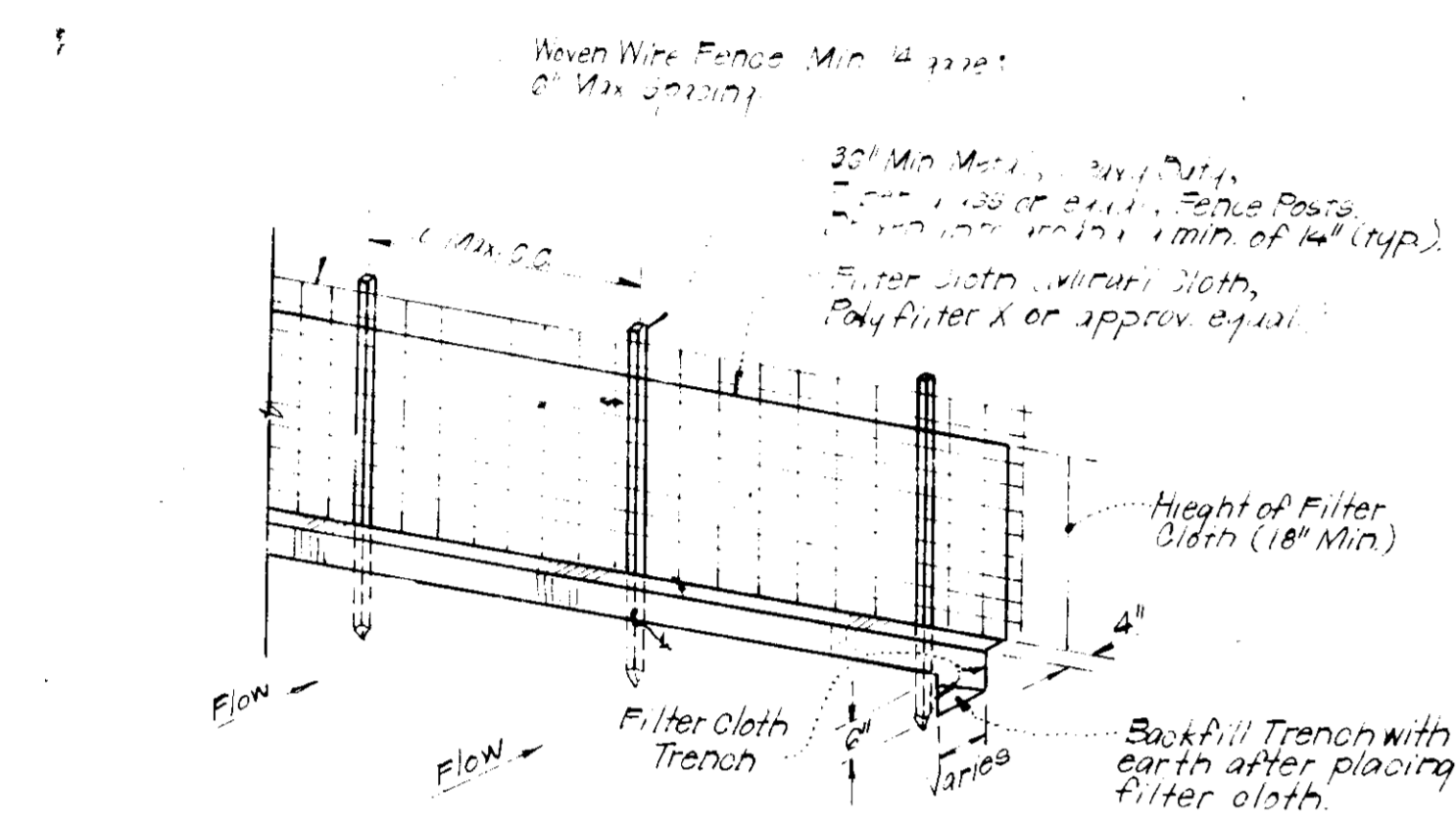
GENERAL NOTES

- 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 disturbed area to be stabilized 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% Sheep 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 30 lbs/1000 sq ft.
 - Mulch - Weed free grain straw applied at a rate of 200 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 of 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.
- 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 = 360 LF
- SITE ANALYSIS:

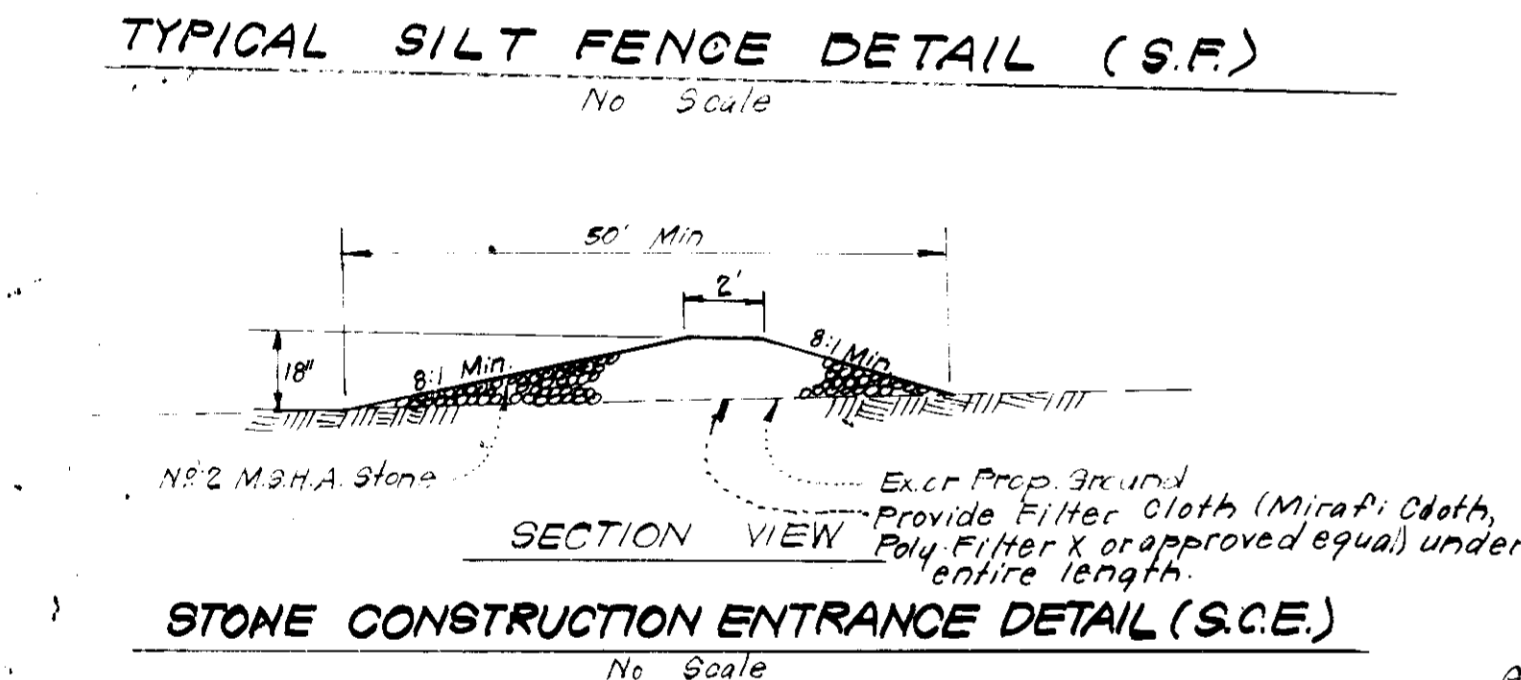
A. Total Area	7.802	Acres
B. Area to be Roofed	1.271	Acres
C. Area to be Paved	0.630	Acres
D. Area to be Seeded	5.253	Acres
E. Area Undisturbed	0.648	Acres
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
 - Excavate for Foundations and Rough Grade.
 - Erect Structures, Driveways and Sidewalks.
 - Final Grade and Stabilize in accordance with note #6.
- 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 from this site.



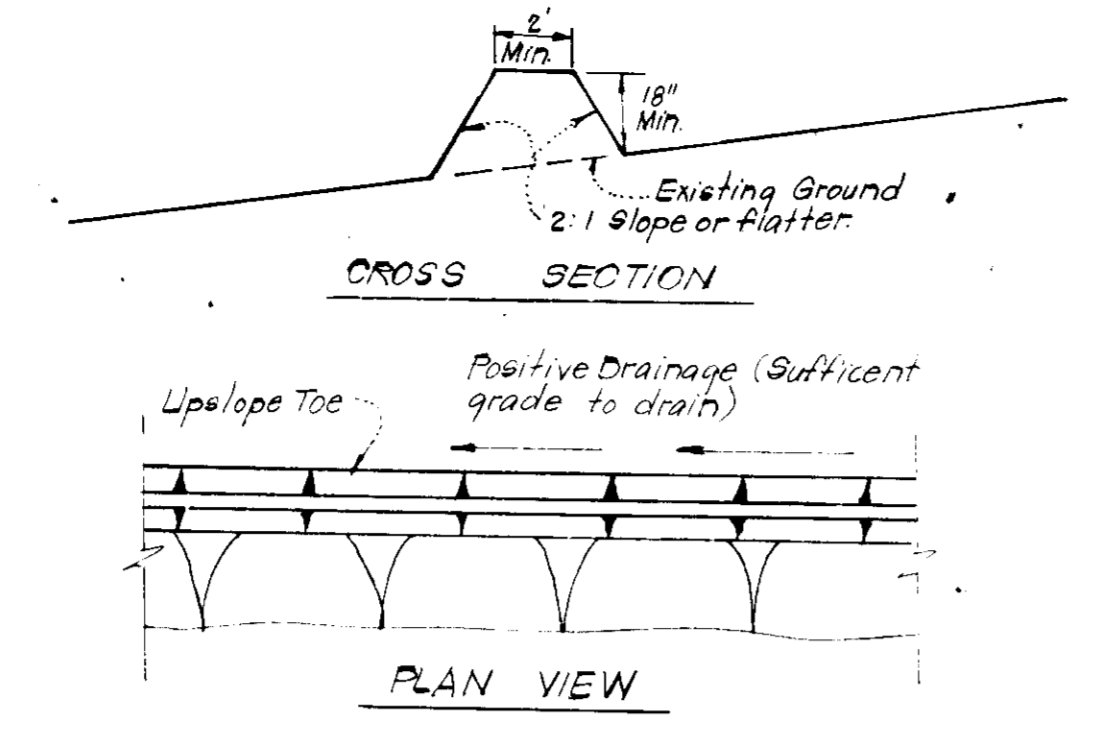
TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)
No Scale



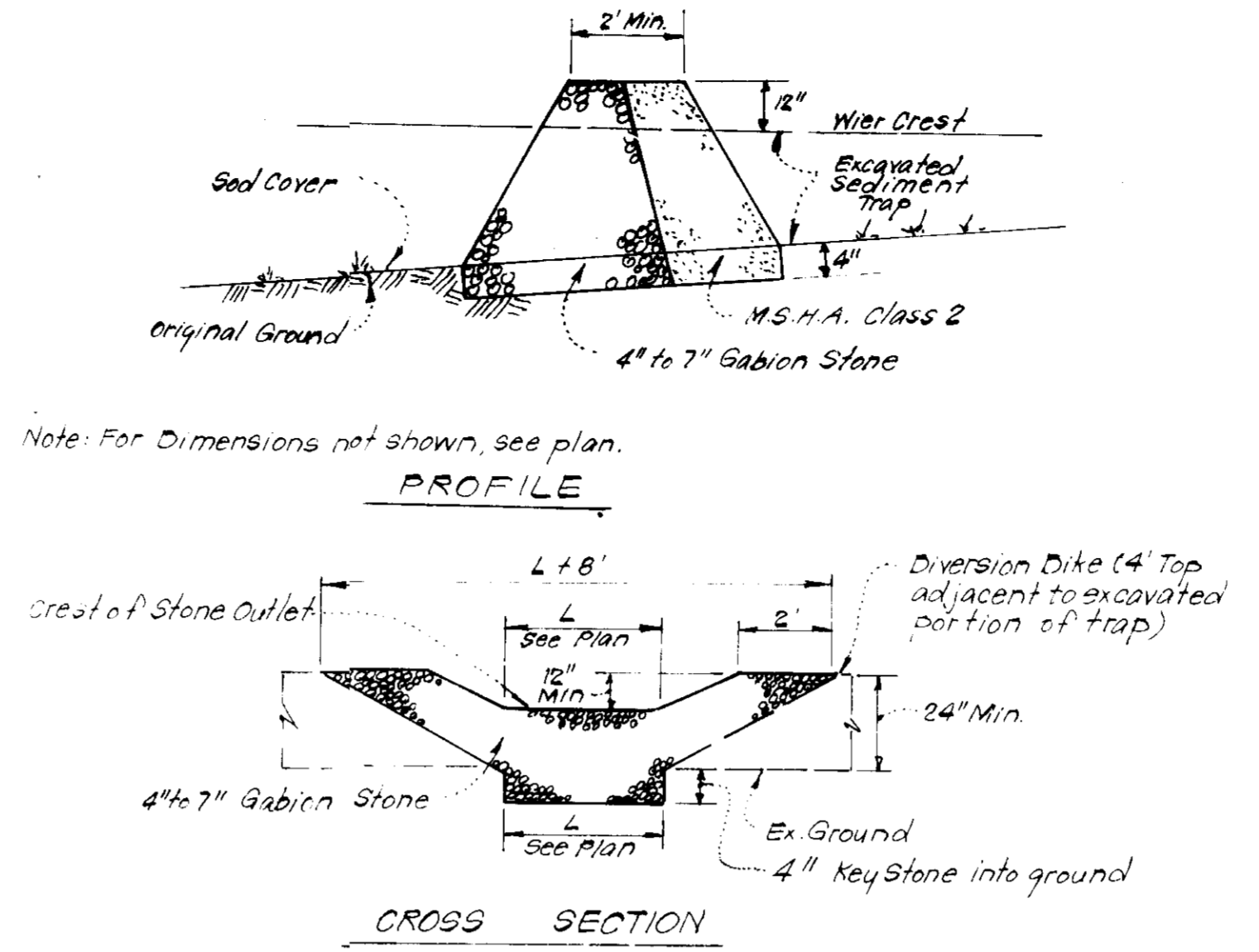
TYPICAL SILT FENCE DETAIL (S.F.)
No Scale



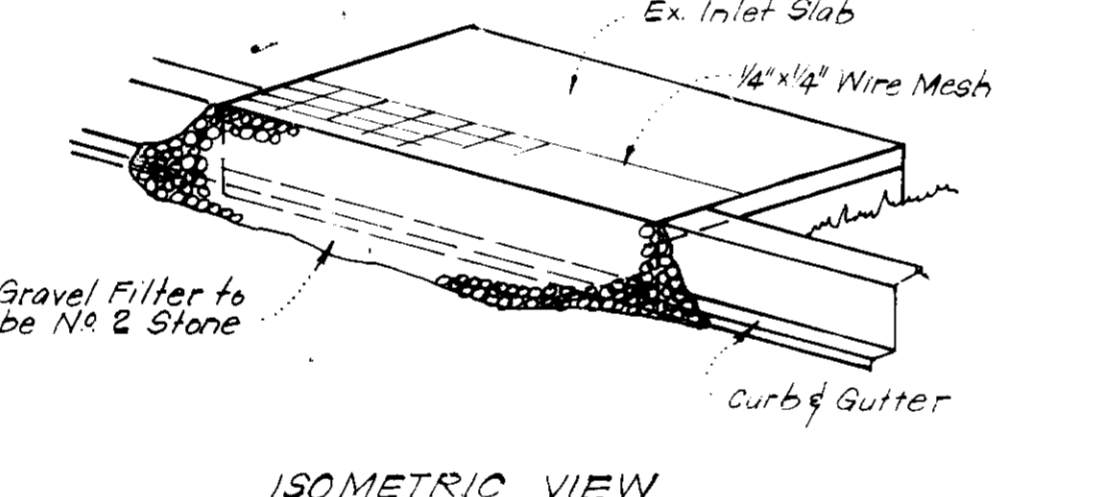
STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)
No Scale



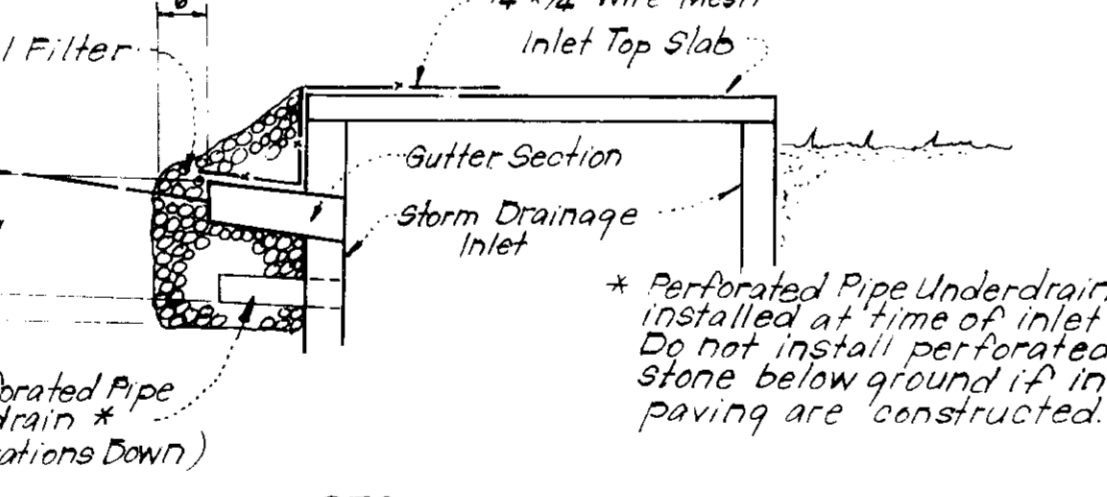
TYPICAL PERIMETER DIKE DETAIL (P.D.)
No Scale



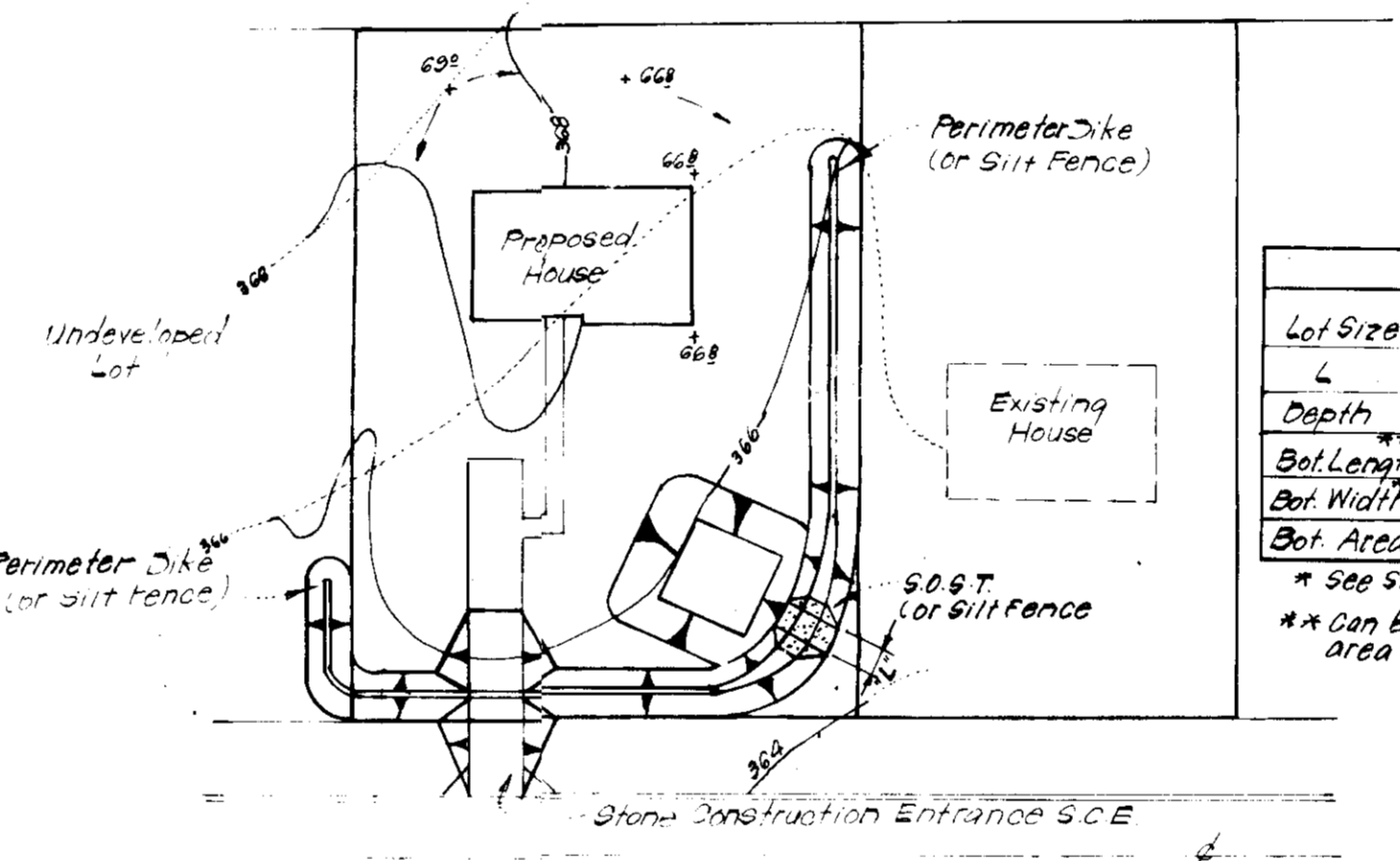
DETAILS OF STONE FILTER OUTLET (FOR STONE OUTLET SEDIMENT TRAP)
No Scale



ISOMETRIC VIEW



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



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale

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

City Health Officer: *[Signature]* DATE: 8-21-81

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Planning Director: *[Signature]* DATE: 8-24-81

CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. DATE: 8-24-81

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: *[Signature]* DATE: 8-17-81

CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 8-17-81

Reviewed for: HOWARD S.C.D. Name

Signature: *[Signature]* Date: 8-11-81

U.S. Soil Conservation Service

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

Approved: *[Signature]* Date: 8-11-81

DEVELOPER'S/BUILDER'S CERTIFICATE

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Signature of Developer/Builder: *[Signature]* Date: 6-25-81

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: *[Signature]* Date: 6-24-81



APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 7-28-81
[Signature]

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: B.V. DATE: 7-26-81

DRAWN: K.I.W.

CHECKED: B.V.

DATE: 7-26-81

SCALE: As Shown

DRAWING: 5065

JOB NO.: 81-025

FILE NO.: 81-025-26

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