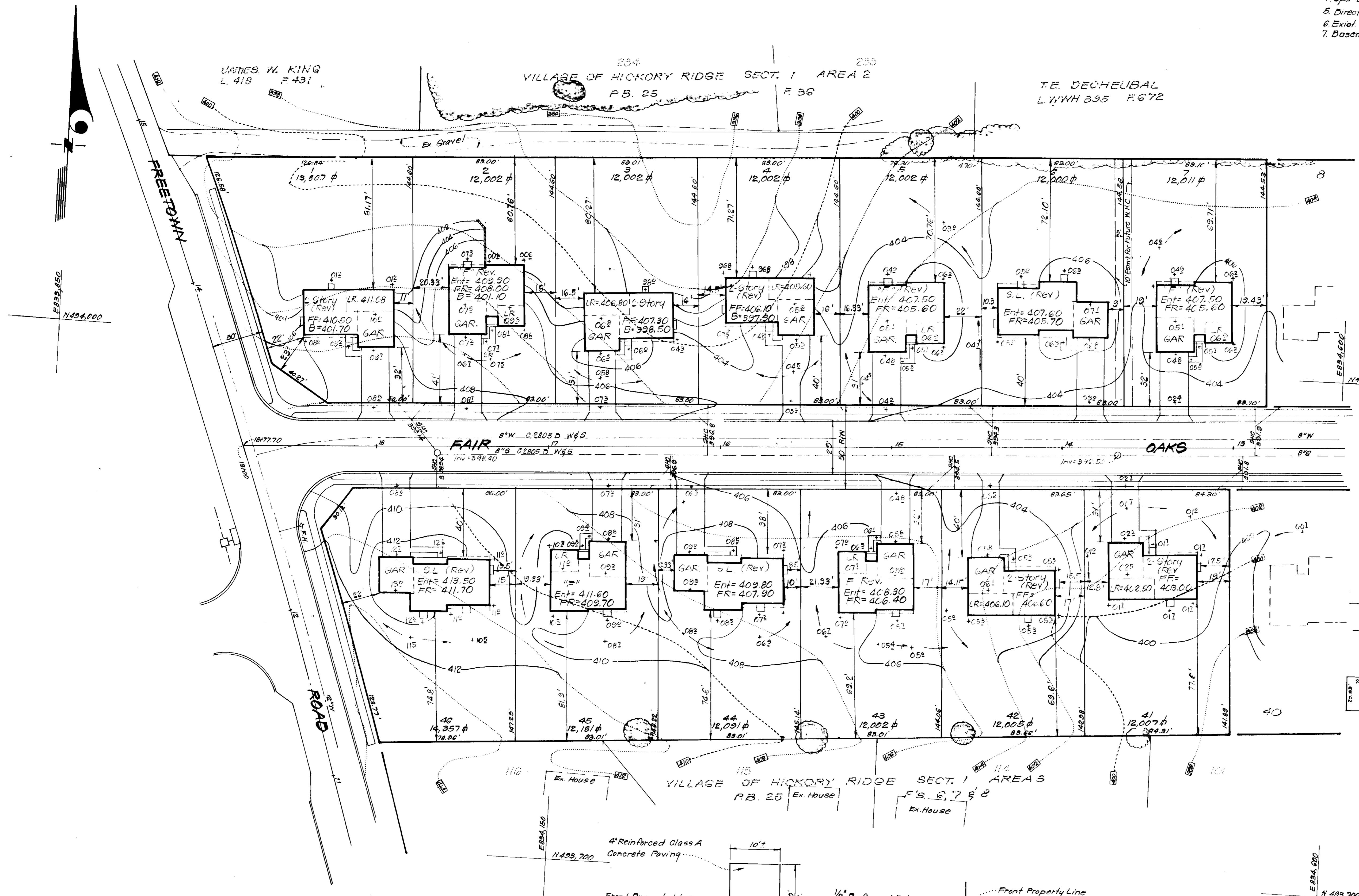
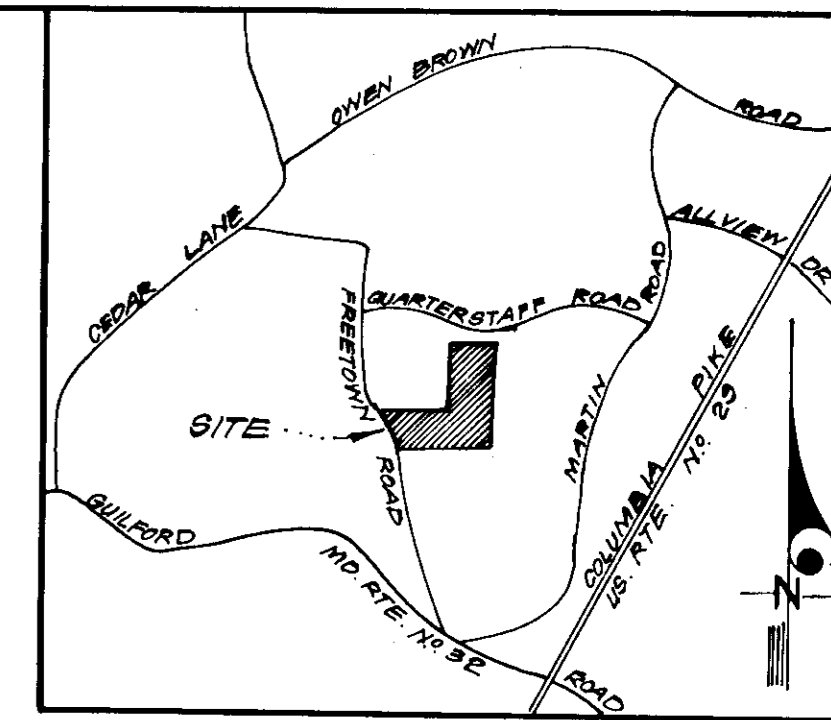
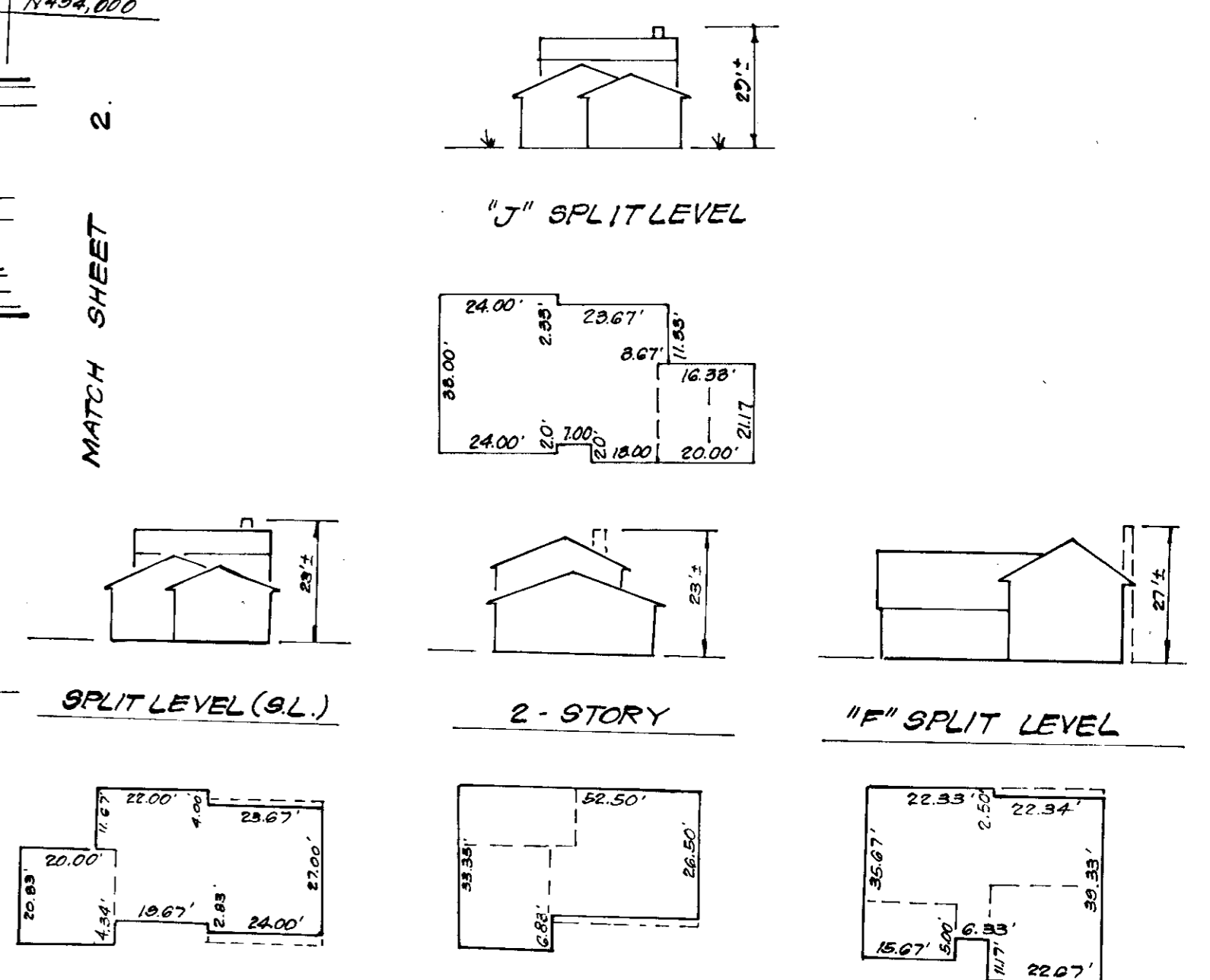


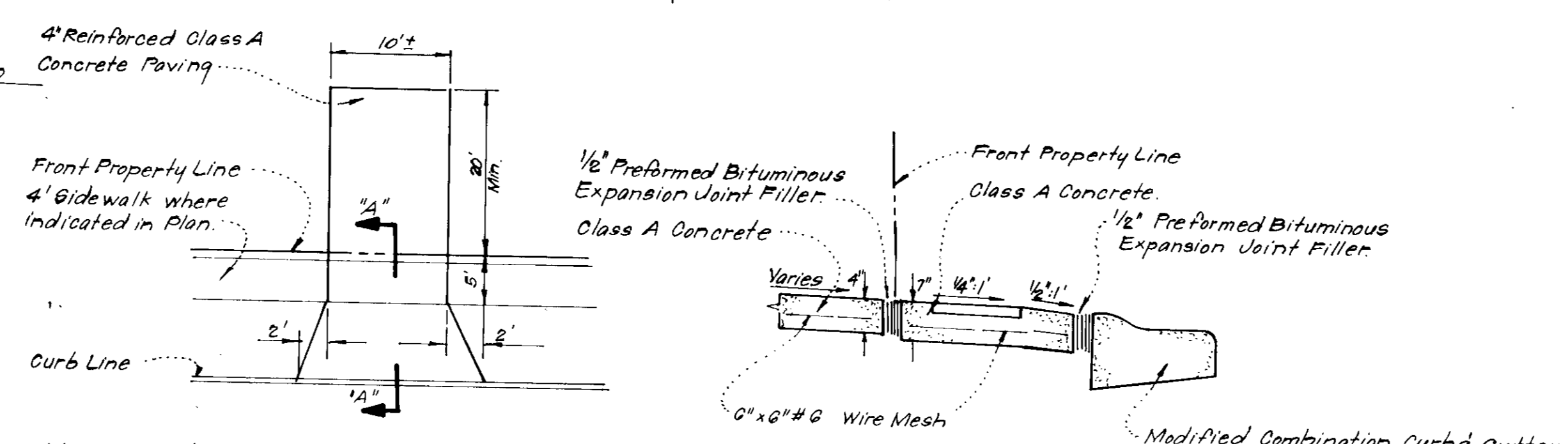
- LEGEND:**
- 1. Contour Interval 2.0'
  - 2. Existing Contour
  - 3. Proposed Contour
  - 4. Spot Elevation
  - 5. Direction of Drainage
  - 6. Existing Trees to be Retained
  - 7. Basement Walkout B.W.O.



- GENERAL NOTES:**
1. The Land included in this Plan is zoned R-12.
  2. The plan and coordinates shown hereon are based upon traverse controls for Columbia established by Maps Inc. in 1965 and by Purdum and Jeschke in 1968, which controls were tied to Md. Bureau of Control Survey Monuments and to U.S. Coast and Geodetic Survey Monuments in the Columbia Area.
  3. The Area covered in this submission is located on Tax Map # 30.
  4. The Total Area included in this plan is 13.690 Acres.
  5. All Roadways are public & existing.
  6. Any damage to county owned Rights of Way or Paving shall be corrected at the developer's expense.
  7. Total number of Lots is 46.



VILLAGE OF HICKORY RIDGE SECT. 1 AREA 3  
P.B. 25 F'S 6, 7 & 8



Note: Use Residential Driveway Entrance, Howard Co. Std. Dwg. D-54, pg. 89 except where driveway abuts Modified Comb. Curb & Gutter.

Note: Materials and Construction shall be in accordance with Howard Co. Road Construction Code.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 9-11-79

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 9-13-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 9-13-79

DESIGNED BY J.M.E.  
DRAWN BY K.I.W.  
CHECKED BY J.M.E.  
DATE 4-23-79

CLARK • FINEROCK & SACKETT  
ENGINEERS • PLANNERS • SURVEYORS  
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 583 3400

DATE 6-22-79

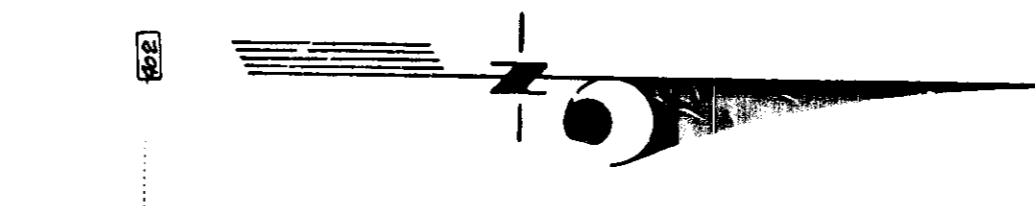
NOTE: For Bearings and Distances of Individual Lot Lines, See Record Plat recorded as Plat 4367.

**CLEMENS CORNER**

SECTION 1 AREA 1  
5th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS, INC.  
206 American City Bldg.  
Columbia, Maryland 21044

SCALE 1"=30'  
DRAWING 1 of 7  
JOB NO.  
FILE NO. 1367-X



APPROVED  
DIVISION OF LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE 6-22-79  
*J.M.E.*

Note: For Bearings and Distances of Individual Lot Lines, See Record Plat recorded as Plat 4367.

<b>CLARK • FINEFROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11315 LICKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED J.M.E.	<b>SITE DEVELOPMENT PLAN</b> <b>LOTS 1 THRU 16</b>  <b>CLEMENS CORNER</b>  SECTION 1 AREA 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND  For: COLUMBIA BUILDERS, INC. 606 American City Bldg. Columbia, Maryland 21044	SCALE 1"=30'
DRAWN K.I.W. J.M.E.		DRAWING 2 of 7
CHECKED J.M.E.		JOB NO.
DATE 4-23-79		FILE NO. 1967-X



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
*John W. Bradley* 9-11-77  
HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*William J. Kramer* 7-13-79  
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  
*William J. Kramer* 7-13-79  
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING  
DATE



APPROVED  
 DIVISION OF LAND DEVELOPMENT  
 HOWARD COUNTY, MARYLAND  
 DATE: 6-22-79  
*JMM*

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
*John W. Gooden* 9-11-79  
 HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*John W. Gooden* 9-13-79  
 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  
*John W. Gooden* 9-13-79  
 DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING  
 DATE 9-6-79

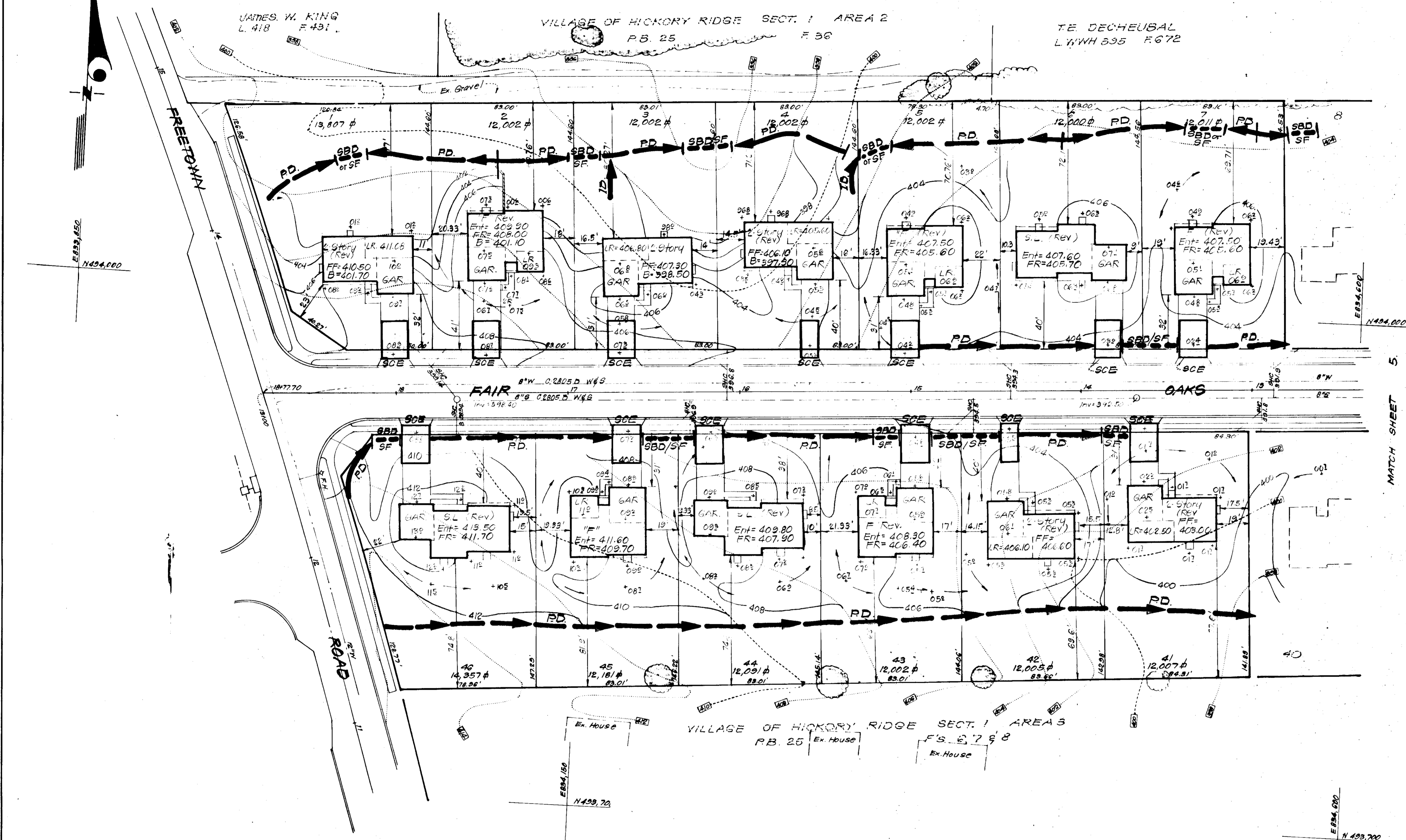
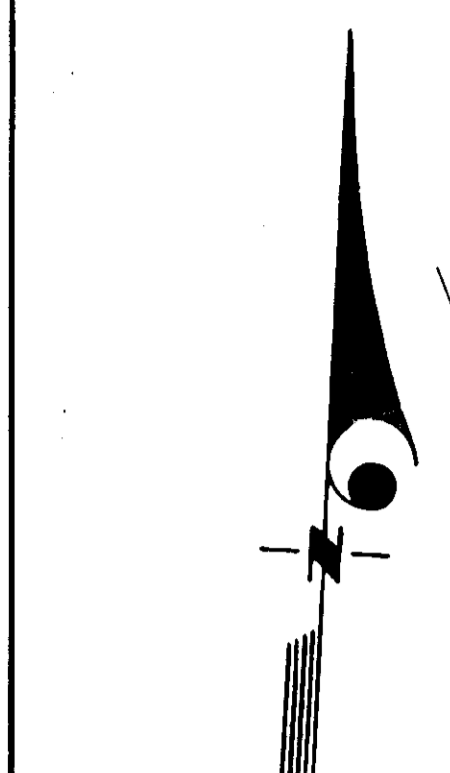
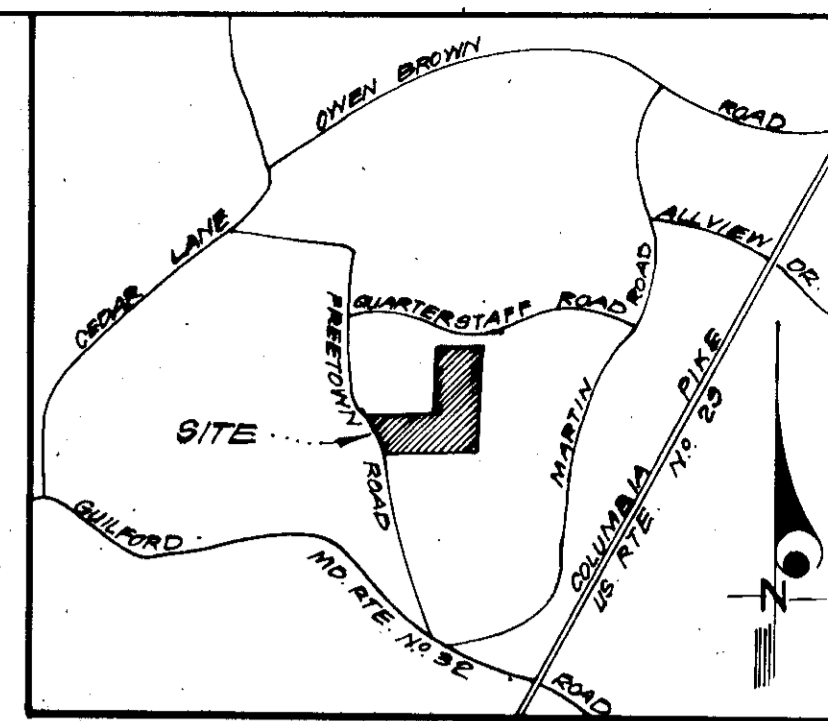
Note: For Bearings & Distances of Individual Lot Lines, see Record Plat recorded as Plat 4367.

<b>CLARK • FINEFROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED J.M.E.	<b>SITE DEVELOPMENT PLAN</b> LOTS 1 THRU 46 <b>CLEMENS CORNER</b>	SCALE 1"=30'
DRAWN K.I.W.		DRAWING 3047
CHECKED J.M.E.	SECTION 1 AREA 1 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS, INC. 608 American City Bldg. Columbia, Maryland 21044	JOB NO.
DATE 4-23-79		FILE NO. 1367-X



**LEGEND:**

- 1. Contour Interval 2 FT.
- 2. Existing Contour
- 3. Proposed Contour
- 4. Spot Elevation
- 5. Direction of Drainage
- 6. Exist. Trees to be Retained
- 7. Basement Walkout



- 1. Perimeter Dike
- 2. Interceptor Dike
- 3. Straw Bale Dike or Silt Fence
- 4. Stone Filter Inlet Protection
- 5. Stone Construction Entrance
- 6. Sediment Trap

APPROVED  
DIVISION OF LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE 6-22-79  
JMM

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 7-11-79  
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 9-13-79  
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 9-6-79

Reviewed for: Howard County S.C.D.  
Name: Wm. T. Rowe  
Date: 8-28-77  
and meets Technical Requirements  
Wm. T. Rowe  
Date: 8-28-77  
U.S. Conservation Service

**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 authorize persons 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.

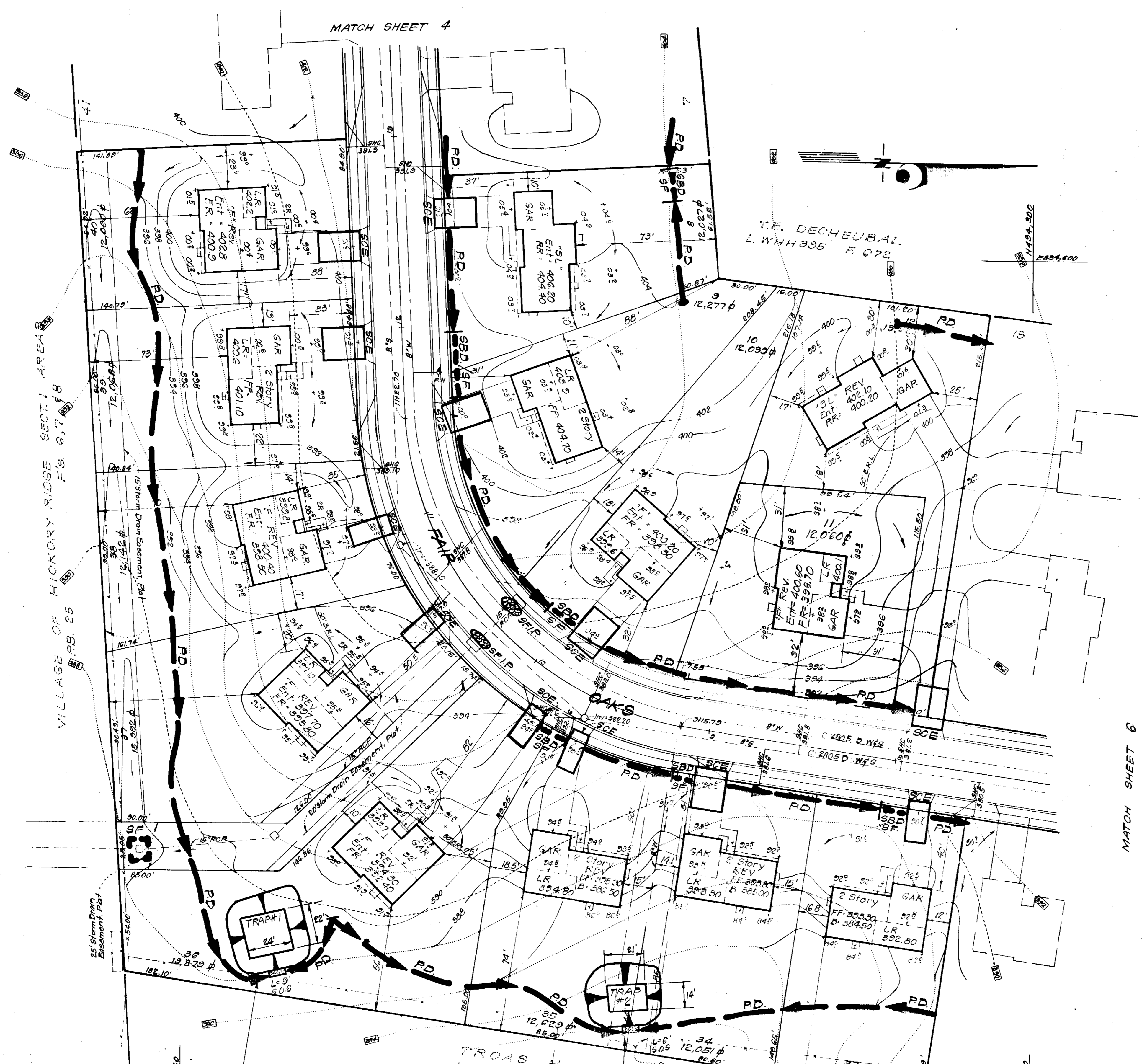
**ENGINEER'S CERTIFICATE**  
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.



Wm. T. Rowe 8-28-77 Approved Date  
B. James Greenfield 4-26-79 Signature Date  
G. Nelson Clark 4-25-79 Date

Note: For Bearings and Distances of Individual Lot Lines, See Record Plat recorded as Plat 497.

<b>CLARK • FINEBROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11115 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED J.L.S.	<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS 1 THRU 46 <b>CLEMENS CORNER</b> SECTION 1 AREA 1 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS, INC. 606 American City Bldg. Columbia, Maryland 21044	SCALE 1"=30'
DRAWN K.I.W.		DRAWING 4 of 7
CHECKED J.L.S.	JOB NO.	
DATE Apr. 79	FILE NO. 13079E	



MATCH SHEET 4

MATCH SHEET 6

Reviewed for Howard S.C.D.  
 Name  
 and meets Technical Requirements  
Wanted Smith 8-22-75  
 Signature Date  
 U.S. Soil Conservation Service  
**THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.**

Wm. J. Rowe 8-28-77  
 Approved 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  
 DIVISION OF LAND DEVELOPMENT  
B. James Greenfield 8-26-79  
 Signature Date  
 B. James Greenfield  
 6-22-79  
 JWM

**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 4-25-77  
 Signature Date  
 G. Nelson Clark



Note: For Bearings and Distances of Individual Lot Lines, See Record Plat recorded as Plat 4367.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
[Signature] 7-11-79  
 HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
[Signature] 7-13-79  
 PLANNING DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT  
 DATE 7-13-79

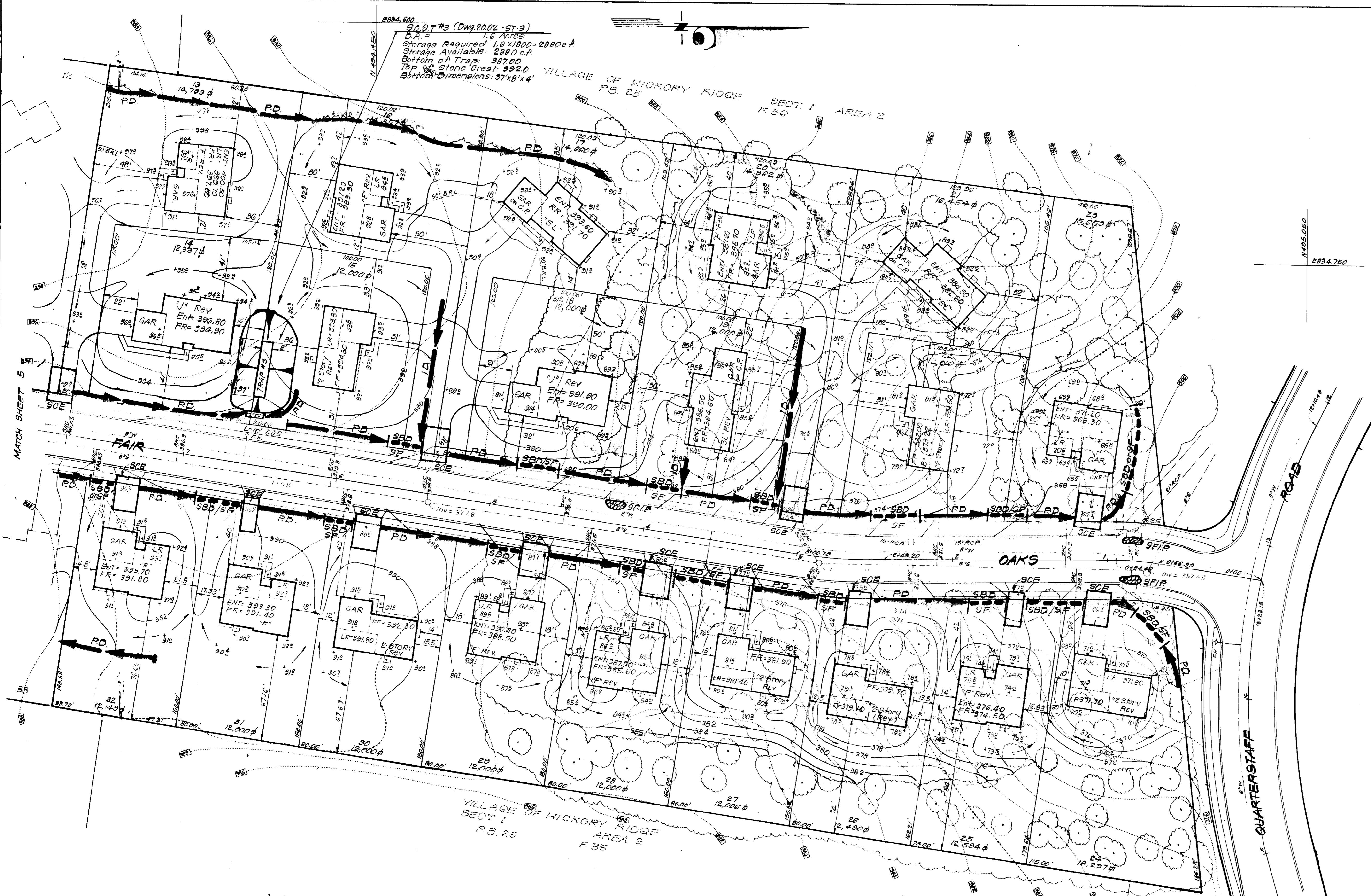
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR DATE 5-6-79  
 CHIEF BUREAU OF ENGINEERING DATE

S.O.S.T.#1 (Dwg 20.02-9T-3)  
 DA = 1.4 Acres  
 Storage Required: 1.4 x 1,600 = 2,240 c.f.  
 Storage Available: 2,520 c.f.  
 Bottom of Trap: 388.00  
 Top of Stone Crest: 389.00  
 Bottom Dimensions: 22' x 24' x 3'

S.O.S.T.#2 (Dwg 20.02-9T-3)  
 DA = 0.9 Acres  
 Storage Required: 0.9 x 1,800 = 1,620 c.f.  
 Storage Available: 1,620 c.f.  
 Bottom of Trap: 378.00  
 Top of Stone Crest: 383.00  
 Bottom Dimensions: 21' x 14' x 3'

<b>CLARK • FINEROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 13315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED JLS	<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS 1 THRU 46	SCALE 1" = 30'
DRAWN K.I.W. J.M.E.	<b>CLEMENS CORNER</b>	DRAWING 5 of 7
CHECKED JLS	<b>SECTION 1 AREA 1</b> 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.
DATE Apr. 79	FOR: COLUMBIA BUILDERS, INC. 606 American City Bldg. Columbia, Maryland 21044	FILE NO. 1307SE



S.O.S.T.#3 (DWG 2002-ST-3)  
 D.A. = 1.6 ACRES  
 Storage Required 1.8 x 1000 = 2880 cu ft  
 Storage Available 2880 cu ft  
 Bottom of Trap 387.00  
 Top of Stone Crest 392.0  
 Bottom Dimensions: 37' x 8' x 4'

APPROVED  
 DIVISION OF LAND DEVELOPMENT  
 6-22-79  
 JLM

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 J. W. Boyer  
 COUNTY HEALTH OFFICER  
 7-11-79  
 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 Thomas J. James  
 PLANNING DIRECTOR  
 9-13-79  
 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director  
 9-6-79  
 DATE

Reviewed for: *Winters* S.C.D.  
 Name  
 and meets Technical Requirements  
 Winters  
 8-22-79  
 U.S. Soil Conservation Service

DEVELOPER'S CERTIFICATE  
 I certify that all development and/or construction will be in accordance with the plan of development and plan for Erosion and Sediment Control, and I also authorize periodic site inspection by the Howard County Department of Public Works, Erosion and Sediment Control, and I will be made under the supervision of the Soil Conservation District.

ENGINEER'S CERTIFICATE  
 I hereby certify that this plan for erosion and sediment control is a practical and workable plan and that the construction of the site will be made in accordance with the plan and as shown on the attached Erosion and Sediment Control Plan.

*R. Nelson Clark*  
 Signature  
 1-25-79  
 Date



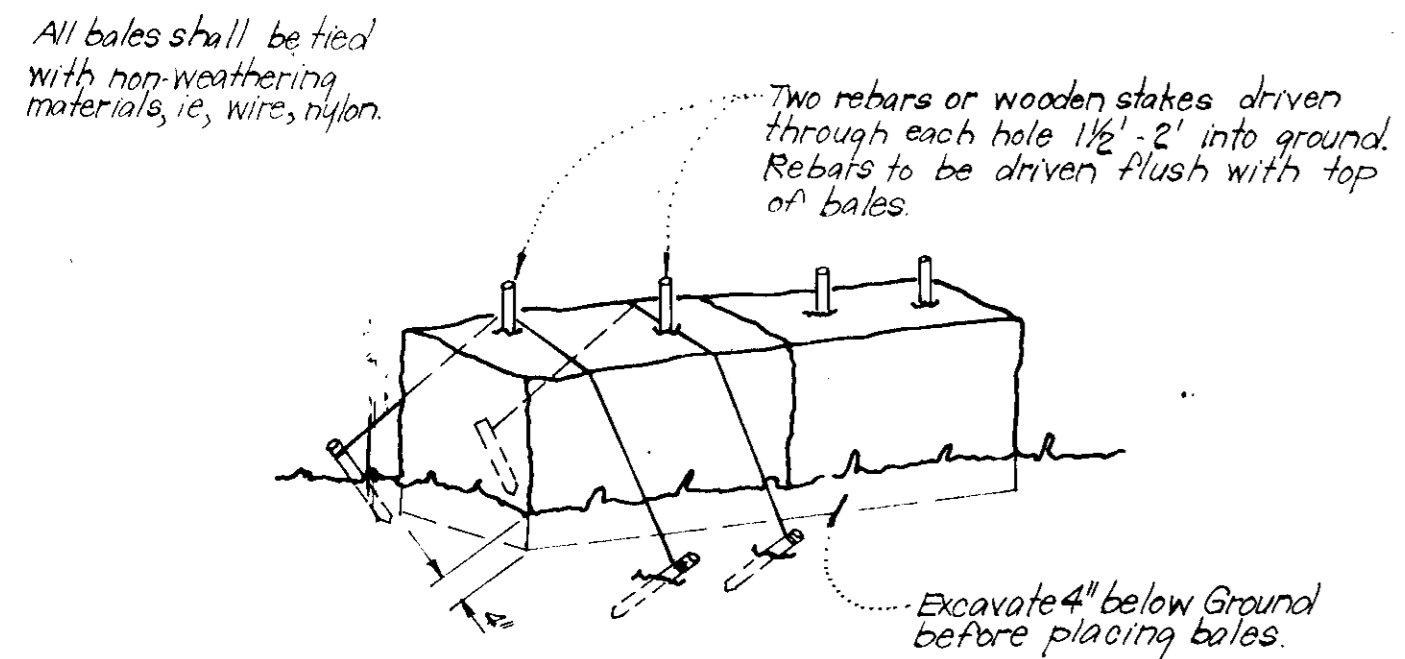
Note: For Bearings & Distances of Individual Lot Lines, See Record Plat recorded as Plat 4367.

<b>CLARK • FINEROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED J.L.S.	SEDIMENT & EROSION CONTROL PLAN LOTS 1 THRU 46	SCALE 1"=30'
DRAWN K.I.W.	<b>CLEMENS CORNER</b>	DRAWING 6277
CHECKED J.L.S.	SECTION 1 AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.
DATE Apr, 79	FOR: COLUMBIA BUILDERS, INC. 606 American City Bldg. Columbia, Maryland 21044	FILE NO. 1307-9E

**GENERAL NOTES**

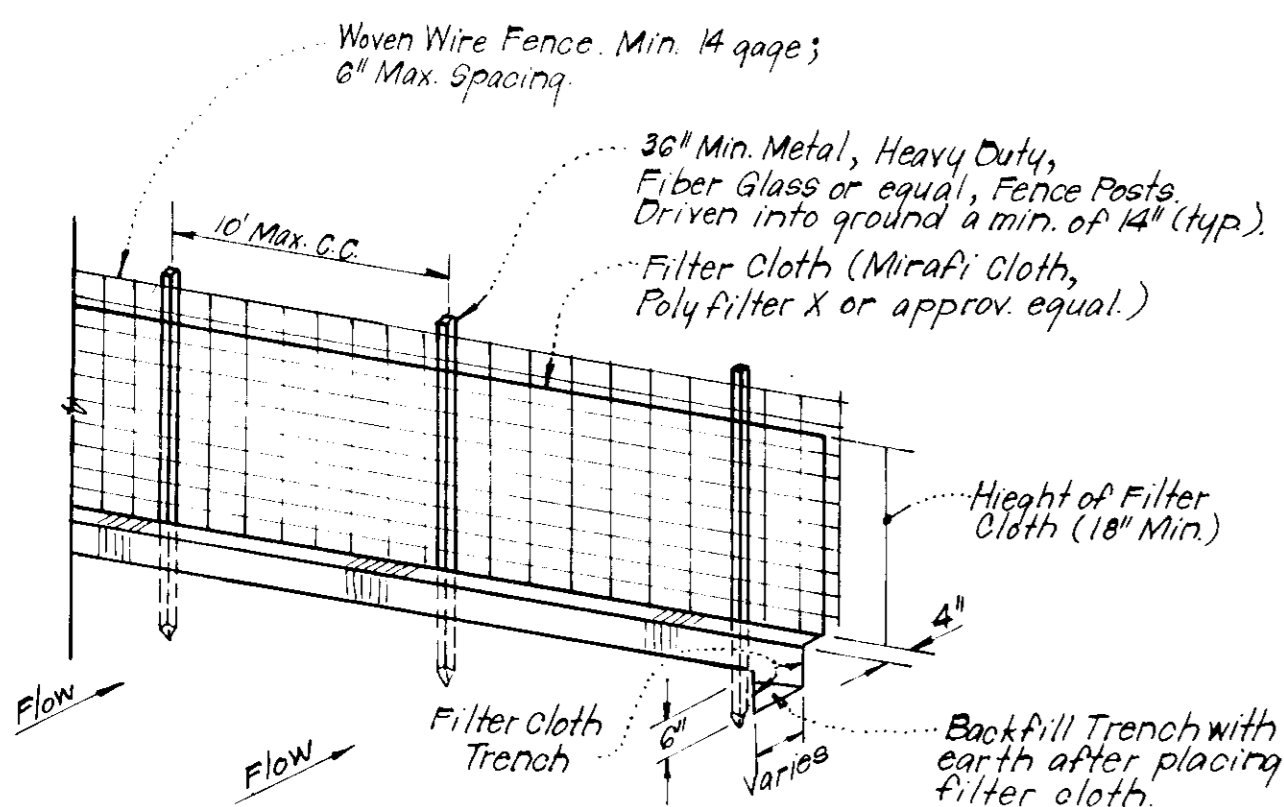
- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #8 for stabilization 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 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% creeping 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 46 lbs/1000 sq ft.
  - Mulch - Weed free grain straw applied at a rate of 46 lbs/1000 sq ft. 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 cleanout 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.
- 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 = 900 LF
- SITE ANALYSIS:
 

A. Total Area:	13.680	Acres
B. Area to be Roofed:	1.716	Acres
C. Area to be Paved:	1.040	Acres
D. Area to be Seeded:	7.722	Acres
E. Area Undisturbed:	3.202	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 to or from this site.



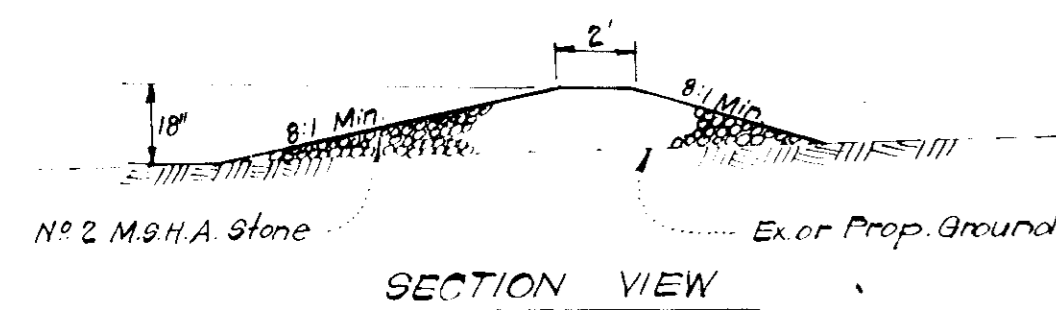
Note:  
1. In lieu of the use of rebar each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above.)

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

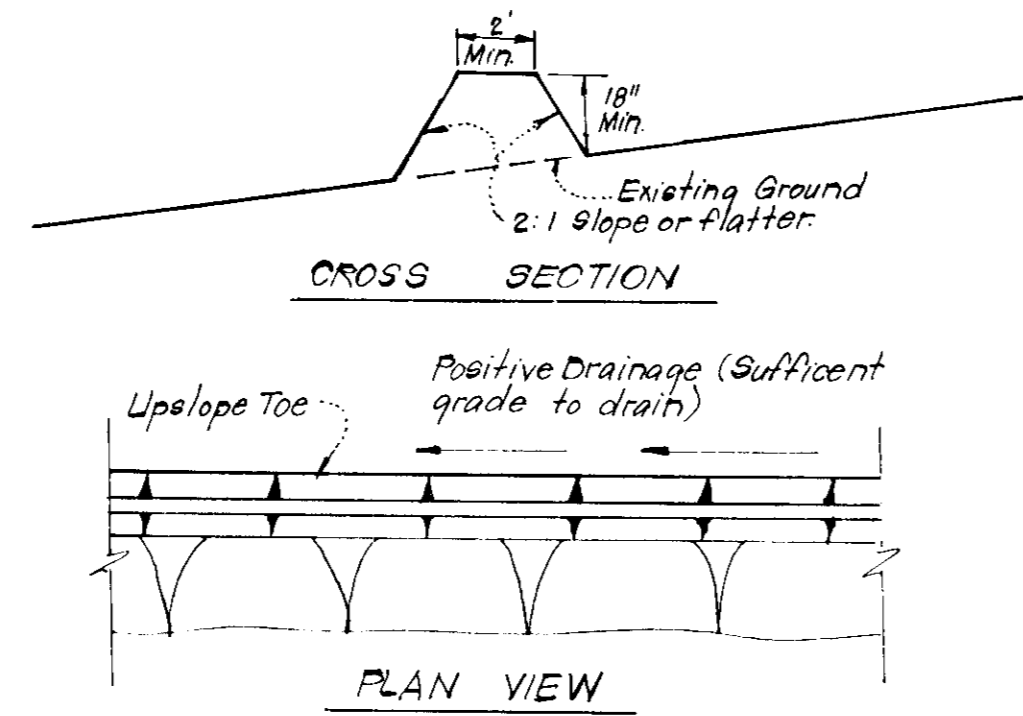


Notes:  
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.  
2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24"x24"

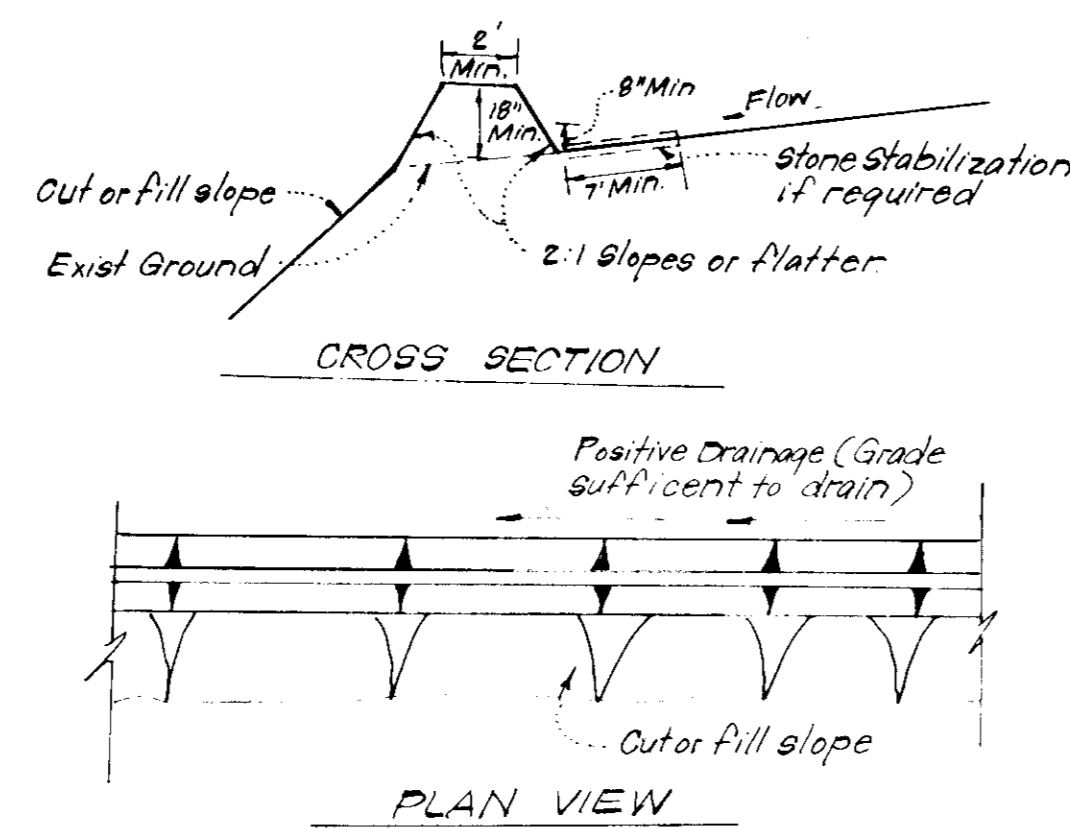
**TYPICAL SILT FENCE DETAIL (S.F.)**  
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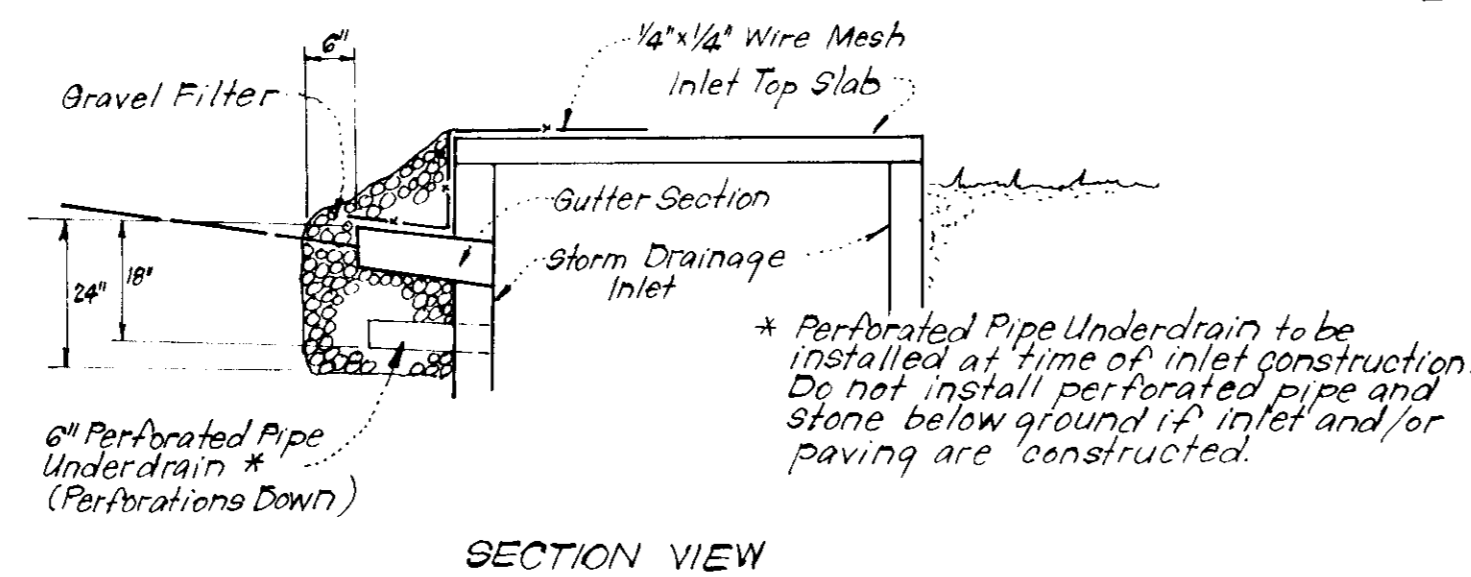
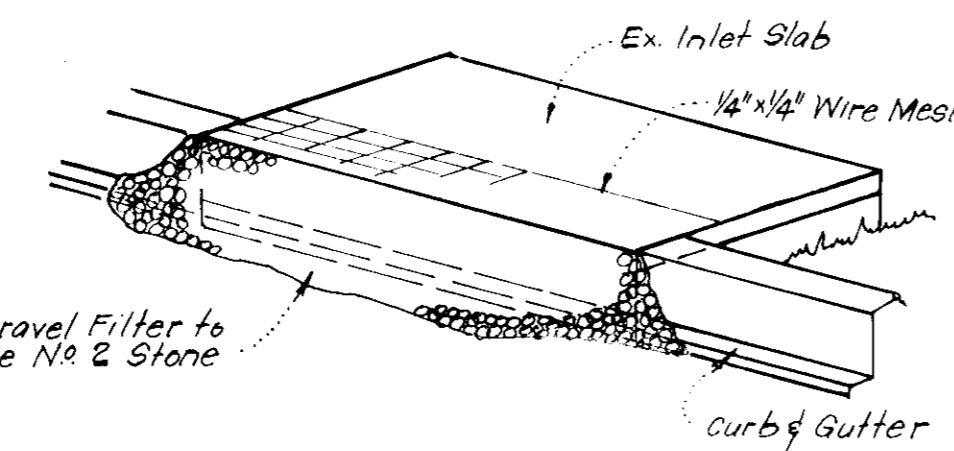
**STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)**  
No Scale



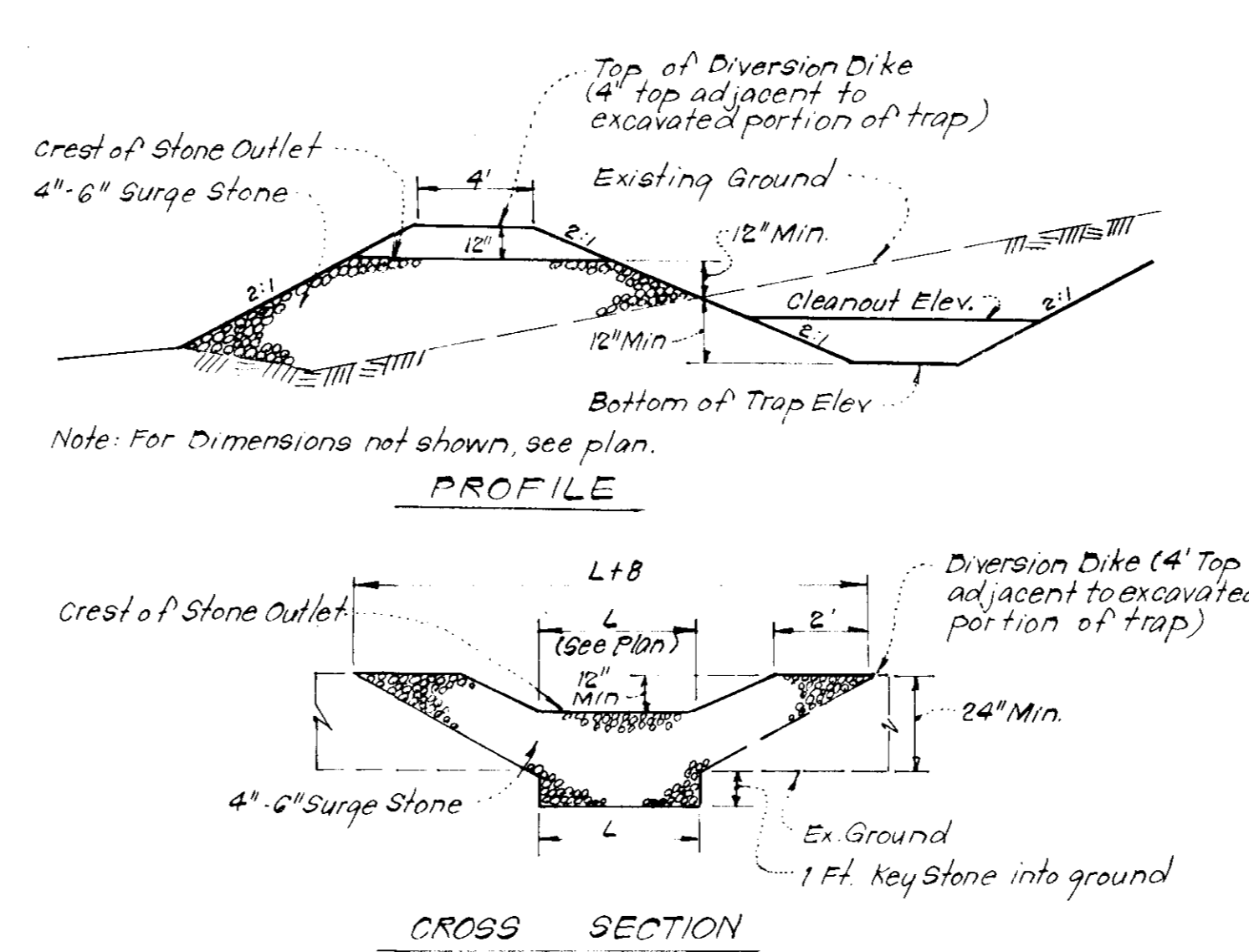
**TYPICAL PERIMETER DIKE DETAIL (P.D.)**  
No Scale



**TYPICAL DIVERSION DIKE DETAIL (D.D.)**  
No Scale

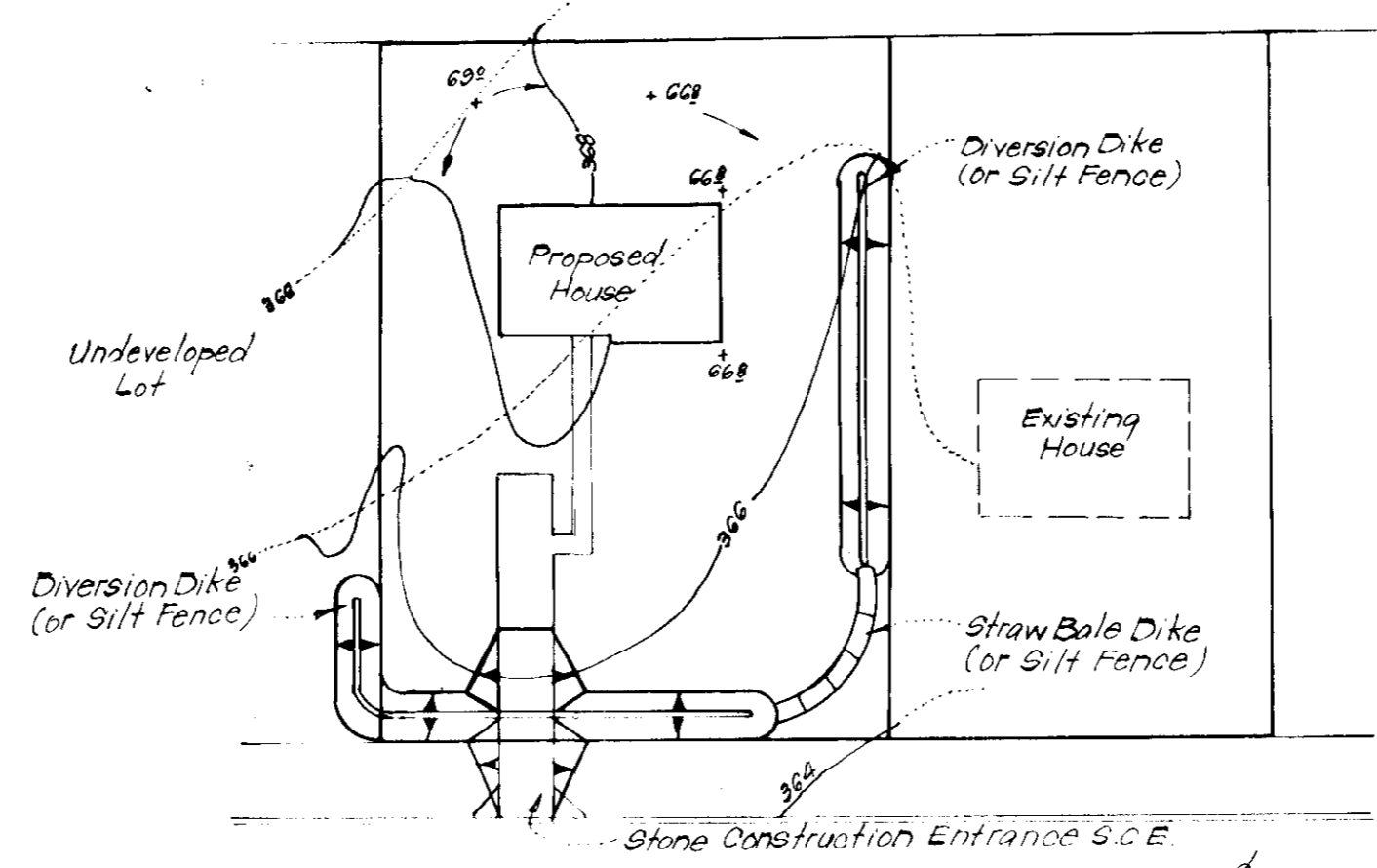


**STONE FILTER INLET PROTECTION (S.F.I.P.)**  
No Scale



Notes:  
1. Sediment Trap to be cleaned out when sediment reaches a level of 1 Ft. below 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.

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



**TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN**  
No Scale

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

*Joseph Boyden* 9-11-79  
COUNTY HEALTH OFFICER DATE

APPROVED FOR PLANNING & ZONING

*Thomas A. Harman* 9-13-79  
PLANNING DIRECTOR DATE

*William V. Rame* 9-13-79  
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

*W.D. Faber* 9-6-79  
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING DATE

Reviewed for Howard S.C.D. and meets Technical Requirements *William V. Rame* 9-28-79

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 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.

**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.



**CLARK • FINEFROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS

11311 KENWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED	U.L.S.	SCALE	As Shown
DRAWN	K.I.W.	DRAWING	70P7
CHECKED	U.L.S.	JOB NO.	
DATE	APR, 79	FILE NO.	1307-SE

**SEDIMENT & EROSION CONTROL PLAN**  
LOTS 1 THRU 46

**CLEMENS CORNER**

SECTION 1 AREA 1  
5th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS, INC.  
606 American City Bldg.  
Columbia, Md 21044

35P-79-134