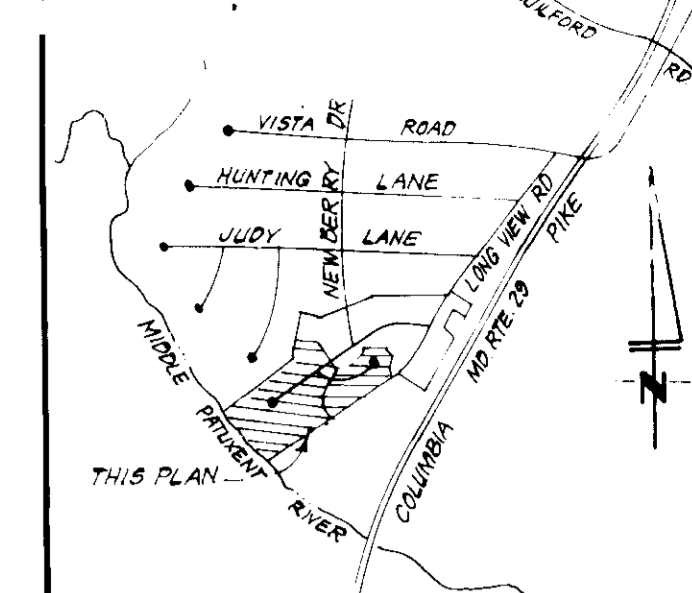
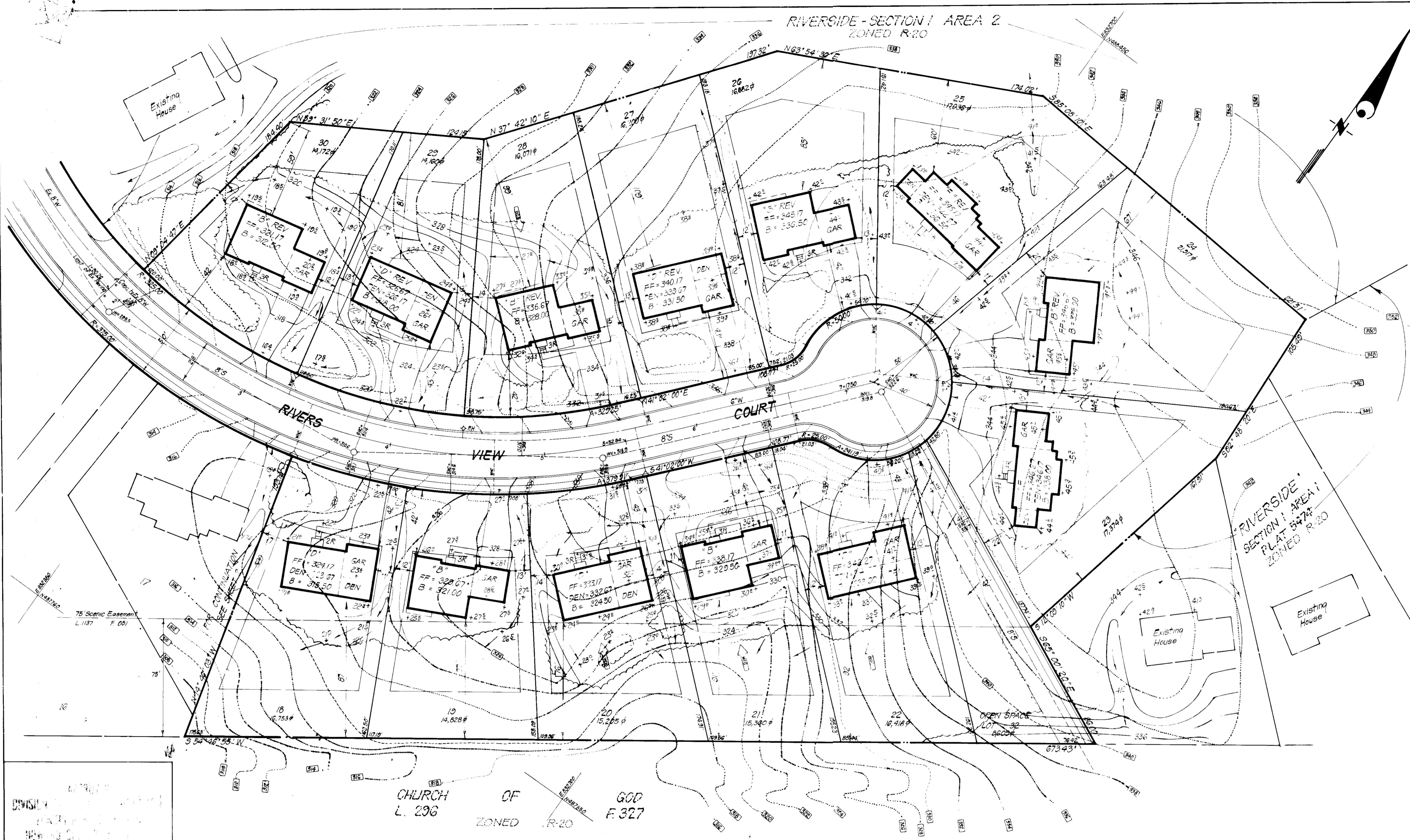


RIVERSIDE - SECTION 1 AREA 2  
ZONED R-20



LEGEND:

- 1 Contour Interval 2 ft
- 2 Existing Contour
- 3 Proposed Contour
- 4 Spot Elevation
- 5 Direction of Drainage
- 6 Existing Trees to be Saved
- 7 Walk Out Basement

GENERAL NOTES:

- 1 The land included in this plan is zoned R-20
- 2 Coordinates shown are based on the Maryland State Grid System
- 3 The total number of lots included: 30
- 4 The area shown is located on Tax Map # 41, Parcel 405
- 5 Any damage to county owned rights of way shall be corrected at the developers expense
- 6 Total area of buildable lots: 11540 Ac.

ADDRESS CHART	
LOT	STREET ADDRESS
1	7160 RIVERS EDGE ROAD
2	7170 " " "
3	7172 " " "
4	7178 " " "
5	7182 " " "
6	7186 " " "
7	7187 " " "
8	7185 " " "
9	7181 " " "
10	7177 " " "
11	7173 " " "
12	7169 " " "
13	7165 " " "
14	7166 RIVERS VIEW COURT
15	7170 " " "
16	7174 " " "
17	7178 " " "
18	7172 " " "
19	7126 " " "
20	7130 " " "
21	7134 " " "
22	7138 " " "
23	7133 " " "
24	7129 " " "
25	7125 " " "
26	7121 " " "
27	7117 " " "
28	7113 " " "
29	7109 " " "
30	7105 " " "

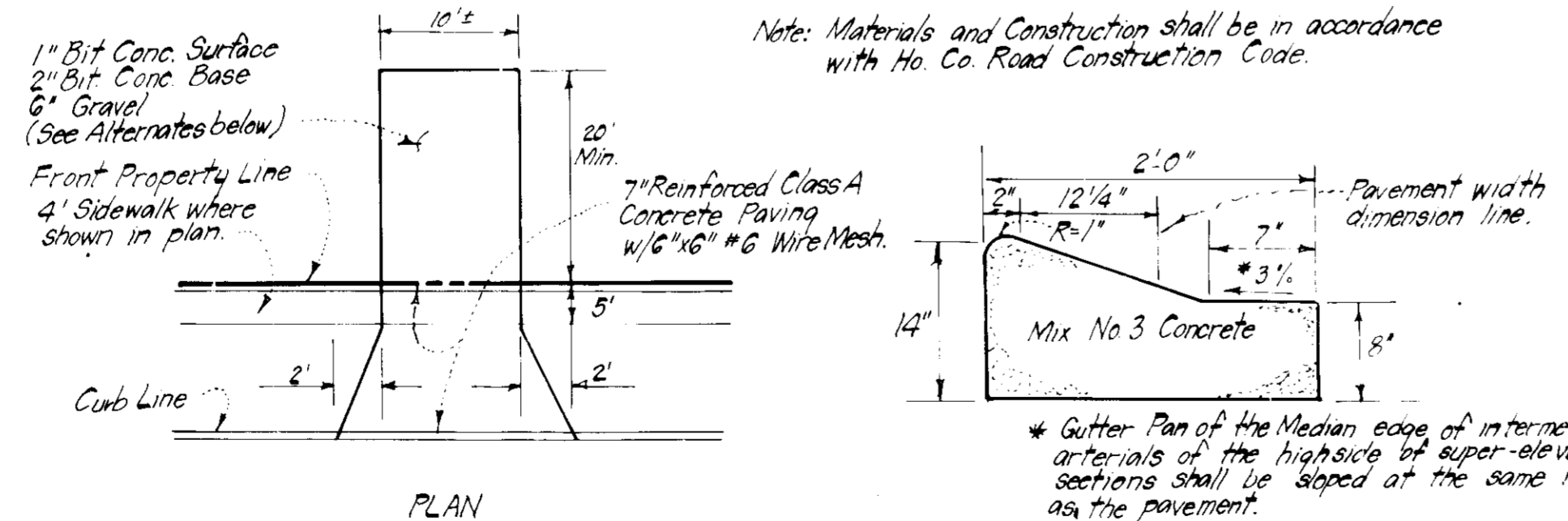
SUBDIVISION NAME	RIVERSIDE	SECT	AREA	LOTS	PARCEL
PLAT or LTF BLOCK #	6061	ZONE	R-20	TAX/ZONE MAP/LEC DIST	5TH
WATER CODE	E22	SEWER CODE	6480000	CENSUS TR	6051

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER  
DATE 2-11-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
PLANNING DIRECTOR  
DATE 2-13-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR  
DATE 2-14-85

CHIEF BUREAU OF ENGINEERING  
DATE 2-16-85



DRIVEWAY ABUTTING MOD. COMB. CURB & GUTTER  
NO SCALE

ALTERNATE #1  
1 1/2" Bit Conc Surface  
4" Bit Conc Base

ALTERNATE #2  
1" Bit Conc Surface  
3" Bit Conc Base  
3" Gravel

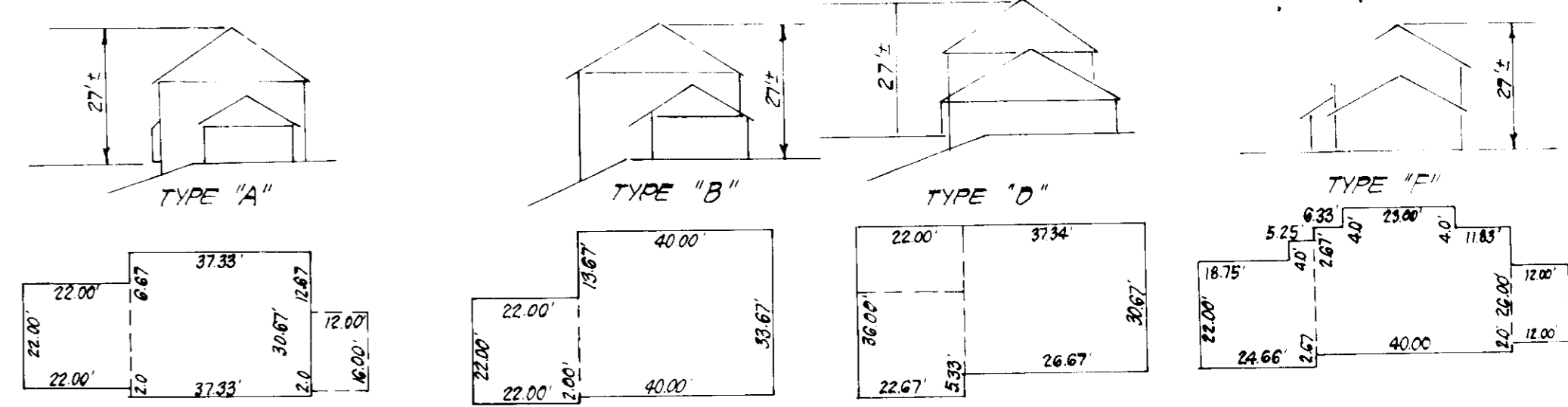


**CLARK · FINEROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS  
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED: SITE DEVELOPMENT PLAN LOTS 1 THRU 30  
DRAWN: WRMP  
CHECKED: BAF  
DATE: 12-28-84

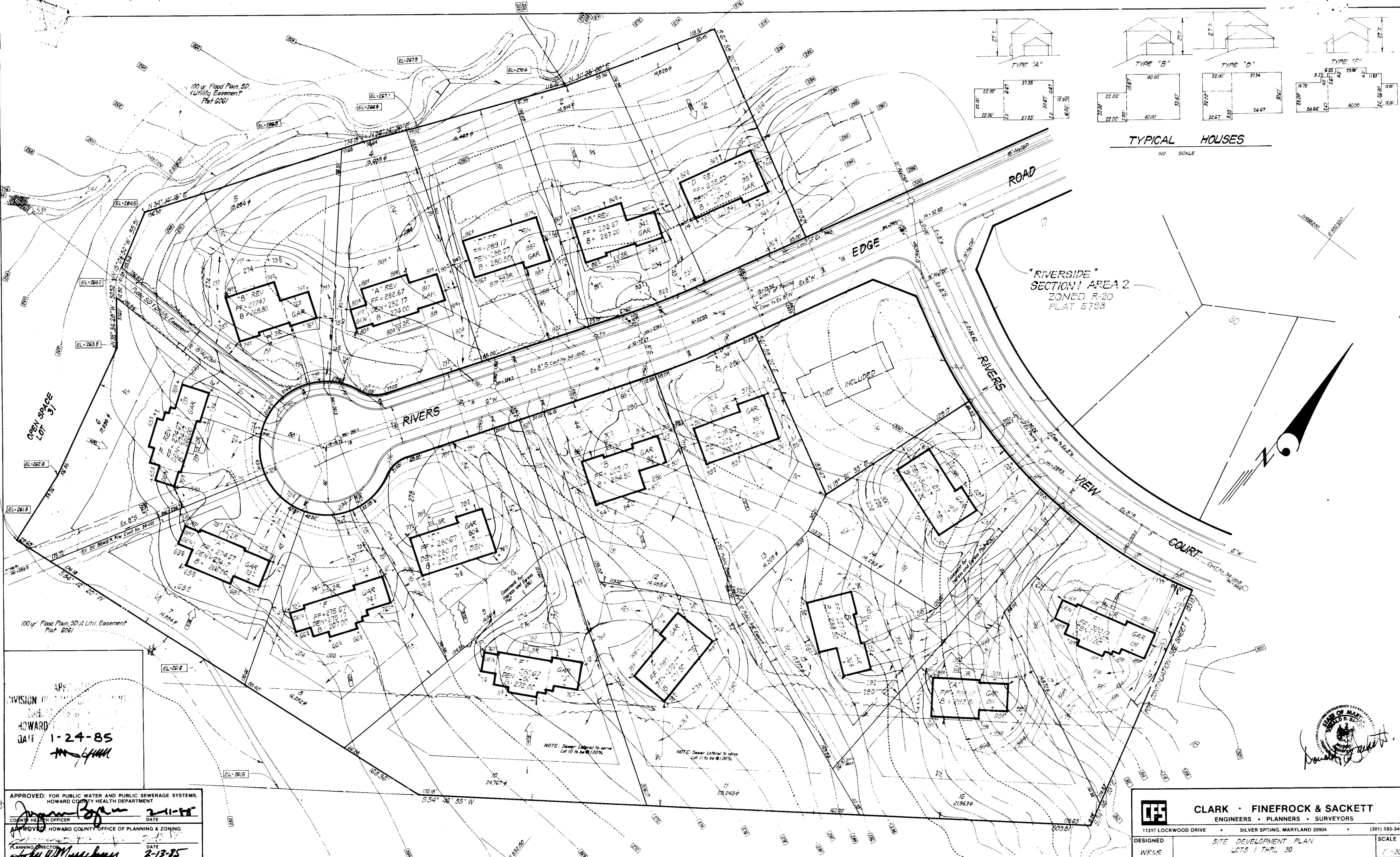
SCALE: 1" = 30'  
DRAWING: 1 - 5  
JOB NO.: 82-027  
FILE NO.: 82-027-X

FOR: STANLEY HALL COMMUNITIES, INC.  
3332 Annapolis Road  
Lanham, Maryland 27601



TYPICAL HOUSES

NO SCALE



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 1-24-85

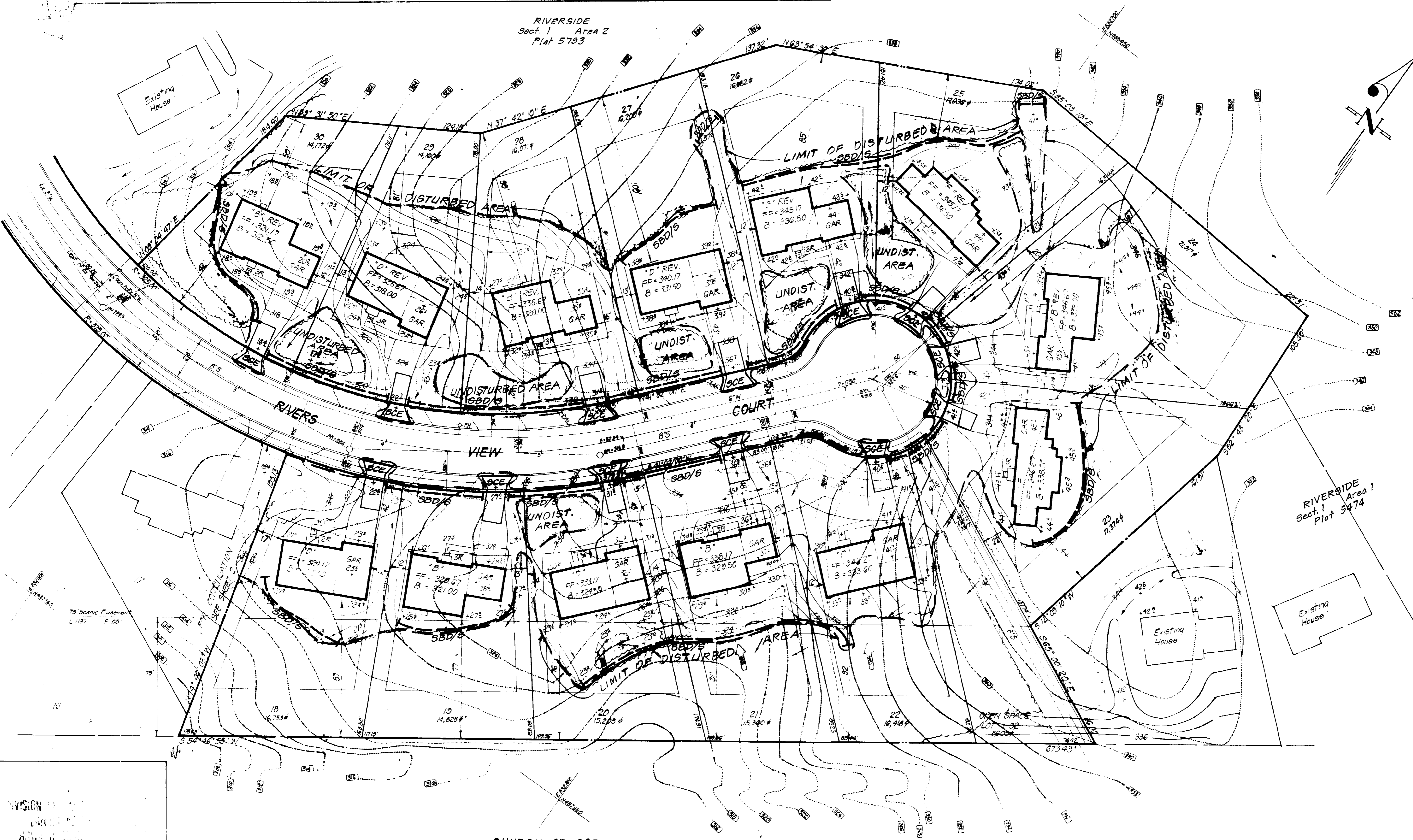
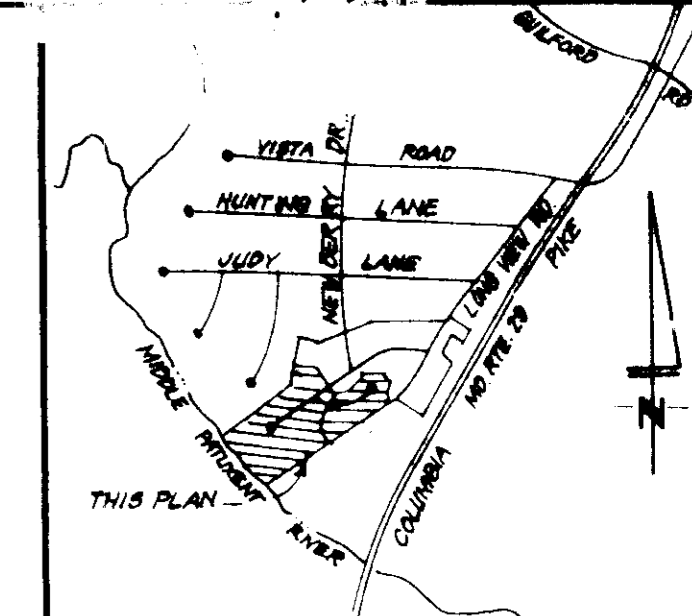
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 2-6-85

CHURCH OF GOD  
L. 200 F. 327  
ZONED R-20



<b>CLARK · FINFROCK &amp; SACKETT</b> ENGINEERS · PLANNERS · SURVEYORS		SCALE 1" = 30'
DESIGNED WRMS	SITE DEVELOPMENT PLAN LOTS 1 THRU 30	DRAWING 2 OF 5
DRAWN BAF	<b>RIVERSIDE</b>	JOB NO. 82-027
CHECKED WRMS	SECTION 1 AREA 3 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO. 82-027-X
DATE 12-28-84	FOR: STANLEY HALL COMMUNITIES, INC. 9332 Annapolis Road Lanham, Maryland 20801	

RIVERSIDE  
Sect. 1 Area 2  
Plat 5793



- LEGEND:**
- 1. Contour Interval 2 ft
  - 2. Existing Contour
  - 3. Proposed Contour
  - 4. Spot Elevation
  - 5. Direction of Drainage
  - 6. Existing Trees to be Saved
  - 7. Walk Out Basement
  - 8. Straw Bale Dike or 5ft Fence
  - 9. Earth Dike
  - 10. Stabilized Construction Entrance

VISION  
1-24-85  
*[Signature]*

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* DATE 2-11-85  
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*[Signature]* DATE 2-13-85  
PLANNING DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* DATE 2-6-85  
DIRECTOR

CHIEF BUREAU OF ENGINEERING  
*[Signature]* DATE 2-6-85

Reviewed for *Howard* S.C.D.  
and meets Technical Requirements  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
U.S. Soil Conservation Service

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

*[Signature]* DATE 2-6-85  
Approved

CHURCH OF GOD  
L. 296 P. 327

**DEVELOPER/SBUILDER'S CERTIFICATE**  
"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 and deemed necessary."  
*[Signature]* DATE 12-31-84  
STANLEY HALLE, PRESIDENT

**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]* DATE 12-31-84  
G. Nelson Clark

SUBDIVISION NAME		SECT. AREA LOTS PARCEL	
RIVERSIDE		3 30	
PLAT or L/F	BLOCK #	ZONE	TAXIDONE MAP/ELEC DIST
6061	-11	R-20	41
WATER CODE		SEWER CODE	
E22		6480000	

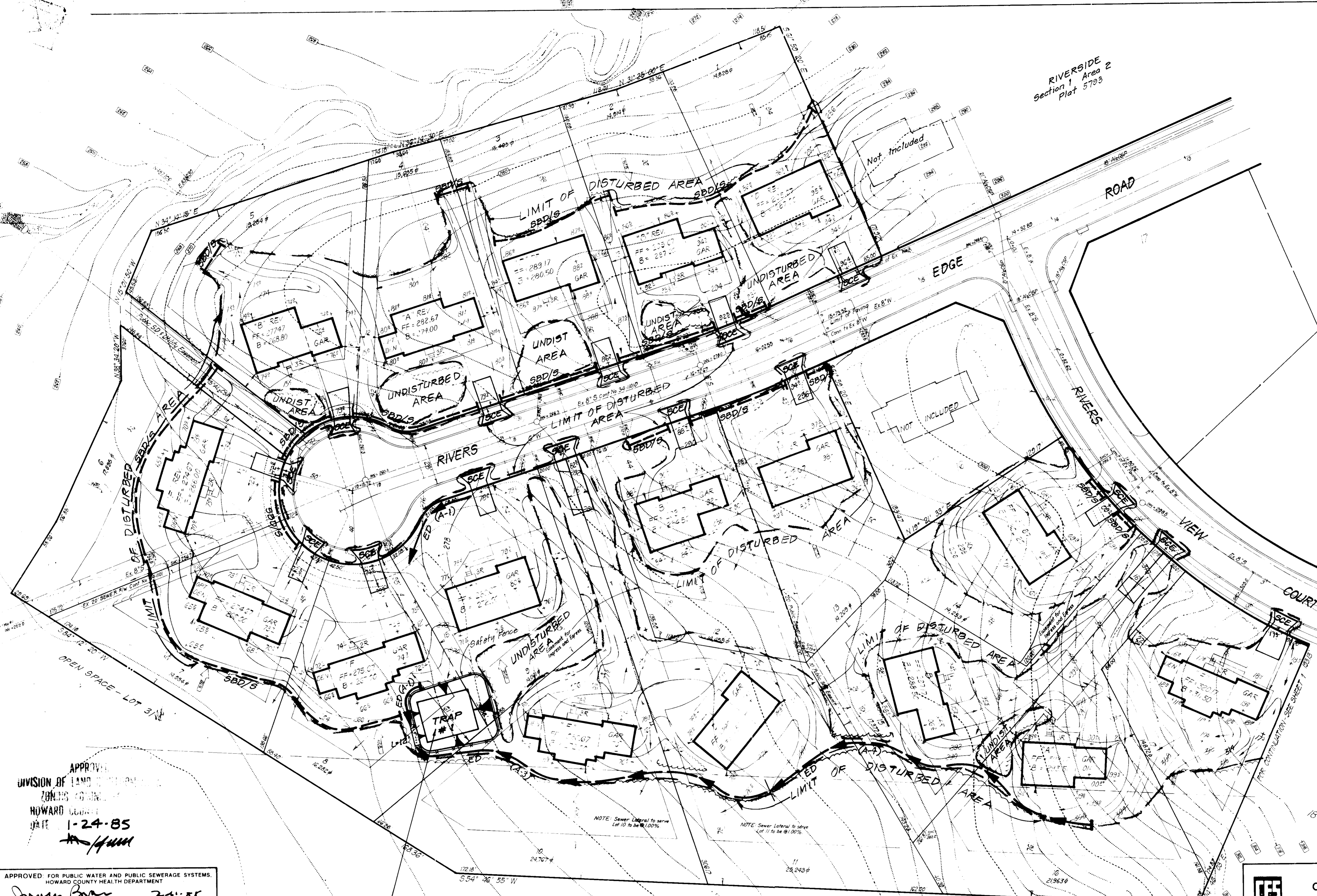
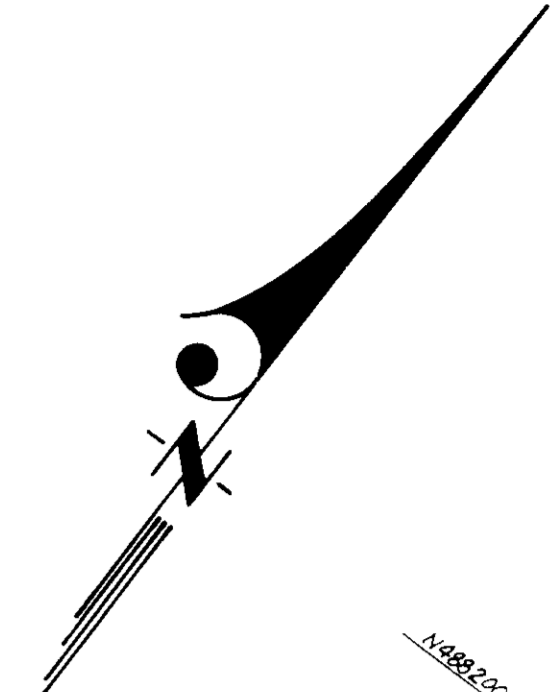
**CLARK · FINEFROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS  
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED	JLS	SCALE	1" = 30'
DRAWN	LAI	DRAWING	3 of 5
CHECKED	JLS	JOB NO.	82-027
DATE	12-20-84	FILE NO.	82-0278E

**SEDIMENT & EROSION CONTROL PLAN**  
LOTS 1 THRU 30  
**RIVERSIDE**  
SECTION 1 AREA 3  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
FOR: STANLEY HALLE COMMUNITIES, INC.  
9332 Annapolis Road  
Lanham, Maryland 20801

SDP-85-110

RIVERSIDE  
Section 1 Area 2  
Plot 5793



Reviewed for Howard 501  
Name  
and meets Technical Requirements  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
U.S. Soil Conservation Service

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

*Stephen J. Clark*  
Approved Date

APPROVED  
DIVISION OF LAND DEVELOPMENT  
ZONING ADMINISTRATION  
HOWARD COUNTY  
DATE 1-24-85  
*[Signature]*

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER DATE 2-1-85  
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
AND ZONING ADMINISTRATION DATE 2-13-85  
PLANNING DIRECTOR DATE 2-13-85  
CHIEF DIVISION OF LAND DEVELOPMENT  
AND ZONING ADMINISTRATION  
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 2-6-85  
DIRECTOR DATE 2-6-85  
CHIEF BUREAU OF ENGINEERING DATE 2-6-85

TRAP #1 60ST ST V\*  
DA = 2.9 Ac.  
Storage Req. = 2.9 x 1800 = 5220 CF  
Storage Provided = 5220 CF  
Depth = 4'  
Top of Stone Crest = 267.0  
Bottom Elev. = 262.0  
Bottom Dimensions = 28.5' x 36'  
Cleanout Elev. = 264.0  
\* 1:1 Slopes to top of Stone Crest

CHURCH OF GOD  
L. 298 F. 327

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 so deemed necessary."  
*[Signature]* 12-31-84  
STANLEY HADLEY, PRESIDENT

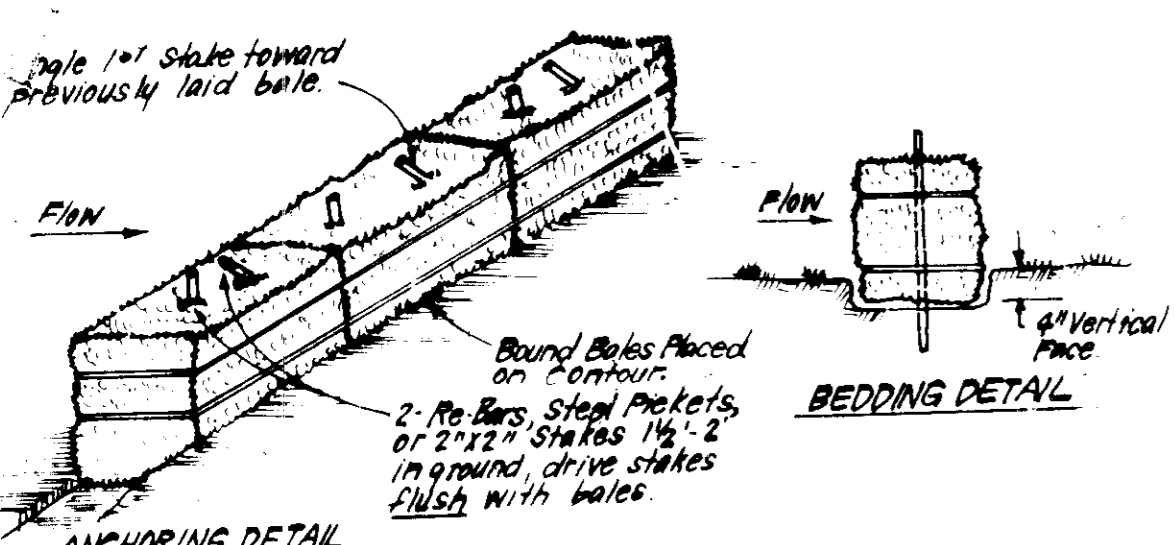
ENGINEER'S CERTIFICATE  
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
*[Signature]* 12-31-84  
G. Nalson Clark Date



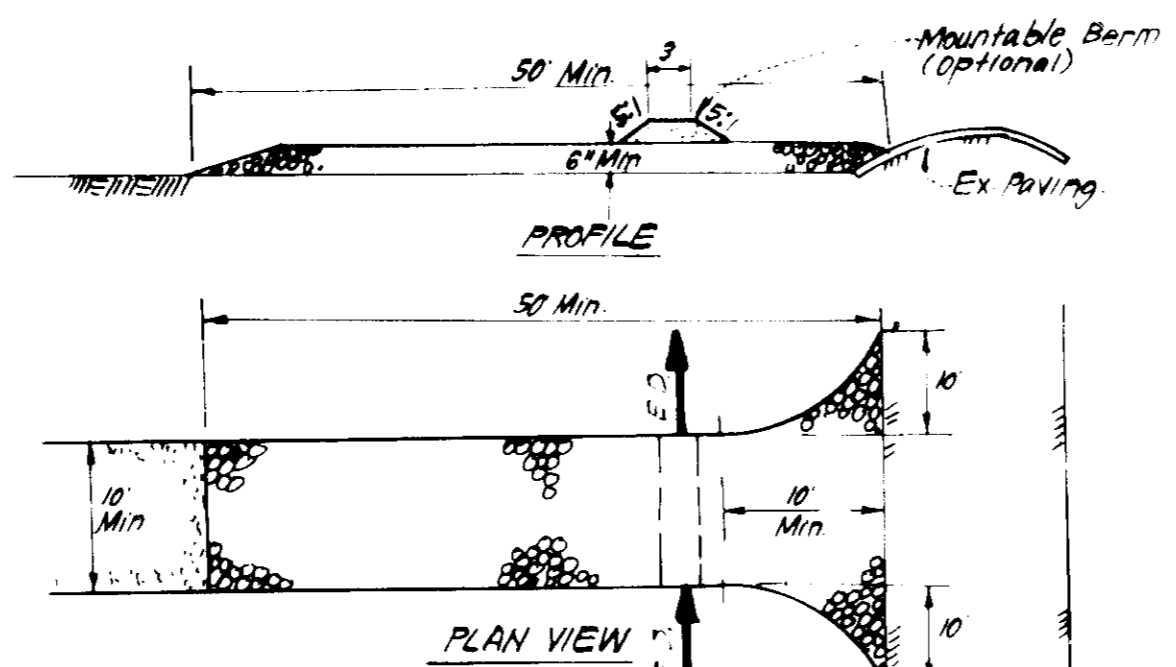
<b>CLARK · FINEFROCK &amp; SACKETT</b> ENGINEERS · PLANNERS · SURVEYORS		11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904	(301) 593-3400
DESIGNED	JLS	SEDIMENT & EROSION CONTROL PLAN LOTS 1 THRU 30	SCALE 1" = 30'
DRAWN	LAI	<b>RIVERSIDE</b>	DRAWING 4 OF 5
CHECKED	JLS	SECTION 1 AREA 3 5TH ELECTION DISTRICT HOWARD COUNTY MARYLAND	JOB NO. 82-027
DATE	12-28-84	FOR STANLEY HALLE COMMUNITIES, INC 9332 Annapolis Road Lanham, Maryland 20601	FILE NO. 82-027-58

**GENERAL NOTES**

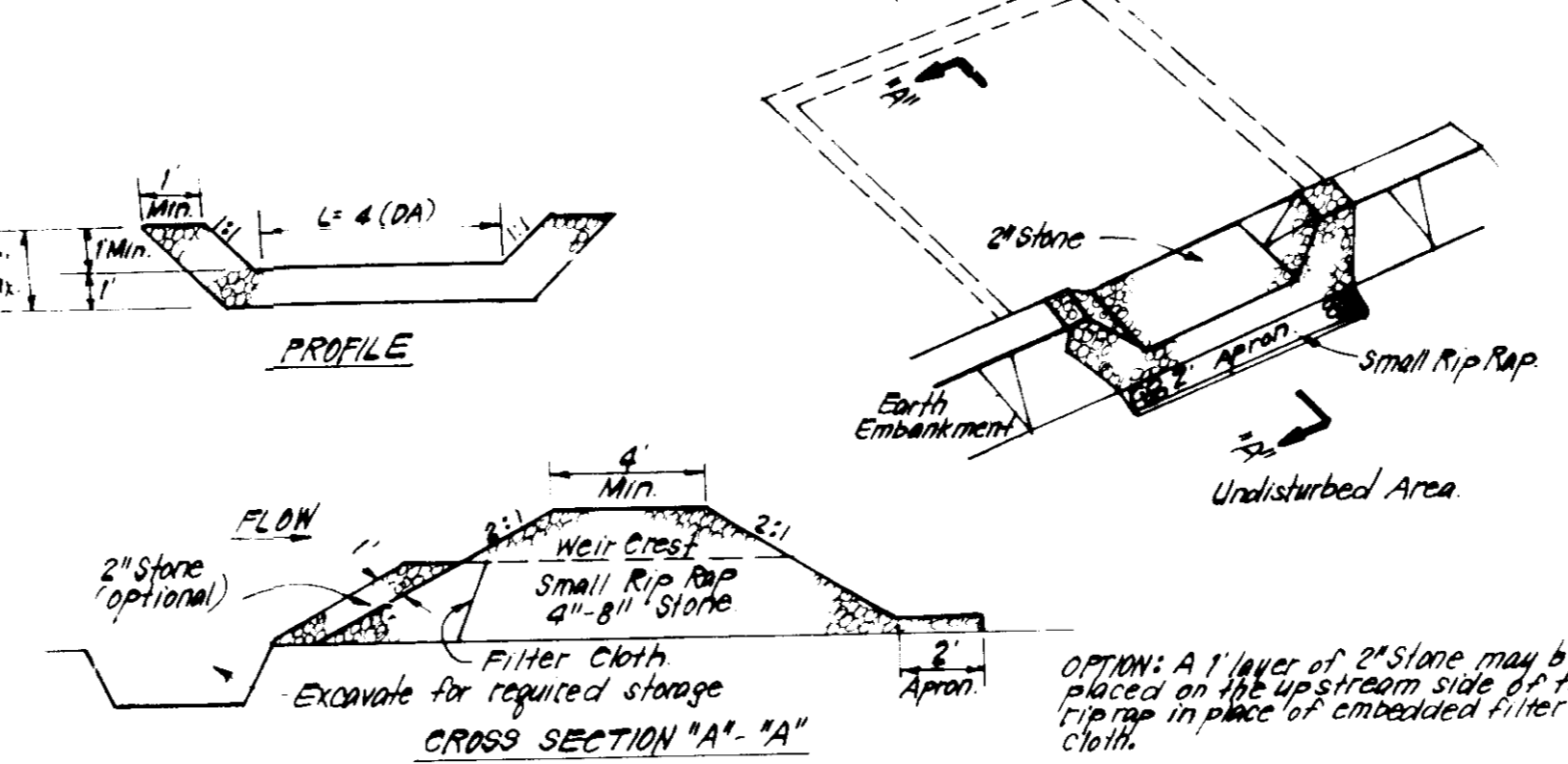
- Grading Permits shall be obtained prior to installation of sediment control.
- All sediment control measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of existing surface of site.
- Notify the Bureau of Inspections and Permits at least 24 hours before starting any work.
- All sediment control practices to conform to the Standards and Specs. for Soil Erosion and Sediment Control in Developing Areas, and shall be adjusted to meet actual field conditions.
- 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 bottom area prior to the import of any borrow or export of waste to or from this site.
- See Pages 51.01 - 51.08 of the Maryland stds & Specs for Soil Erosion and Sediment Control for Permanent Seeding and Pages 50.01 - 50.05 for Temporary Seeding.
- As per C.O.M.A.R. CR.DS.01.06 -- "Following initial soil disturbance or redistribution, permanent or temp. stabilization shall be completed within: (a) seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to one vertical (3:1) and (b) fourteen days as to all other disturbed or graded areas on the project site."
- All pipes to be blocked at the end of each day (See detail below). N/A
- The total amount of Straw Bale Dikes / Silt Fence shown = 2640 LF
- SITE ANALYSIS:**
  - A Total Area: 11.540 Acres
  - B Area to be Paved: 1.273 Acres
  - C Area to be Paved: 0.745 Acres
  - D Area to be Seeded: 4.182 Acres
  - E Area Undisturbed: 5.333 Acres
- CONSTRUCTION SEQUENCE:**
  - A Install sediment & erosion control devices and stabilize
  - B Excavate for foundations and rough grade
  - C Construct structures, driveways & side walks
  - D Fine grade & stabilize all disturbed areas in accordance with standards & specifications
- If houses are to be constructed on an "As-Built" basis, at random, single lot sediment control as shown below, shall be implemented.
- All sediment traps shown must be fenced and warning signs posted around their perimeter in accordance with Vol 1, Chap 12, of The Howard Co Design Manual for Storm Drainage
- Cut: 11,530 CY  
Fill: 14,550 CY



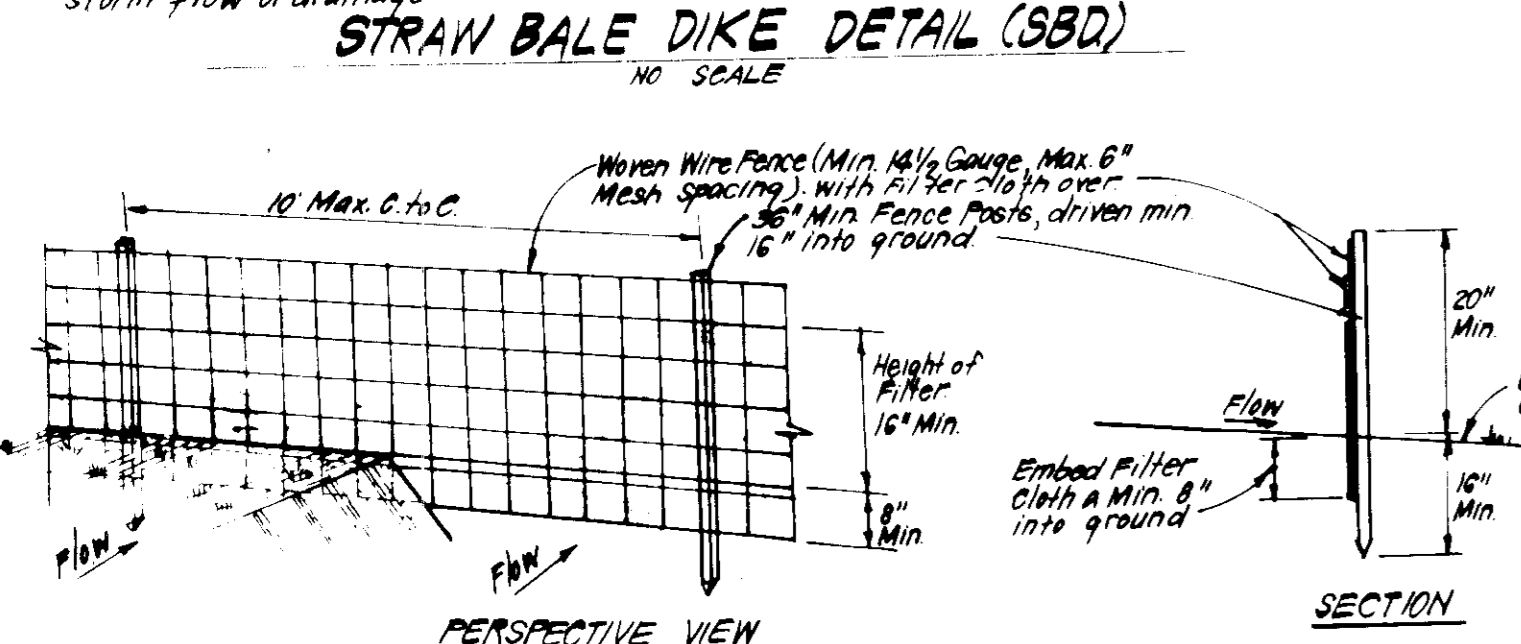
- CONSTRUCTION SPECIFICATIONS:**
- Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
  - Each bale shall be embedded in the soil a min of 4" and placed so the bindraps are horizontal.
  - Bales shall be securely anchored in place by either 2 stakes or re bars driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
  - Inspection shall be frequent and repair/replacement shall be made promptly as needed.
  - Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.



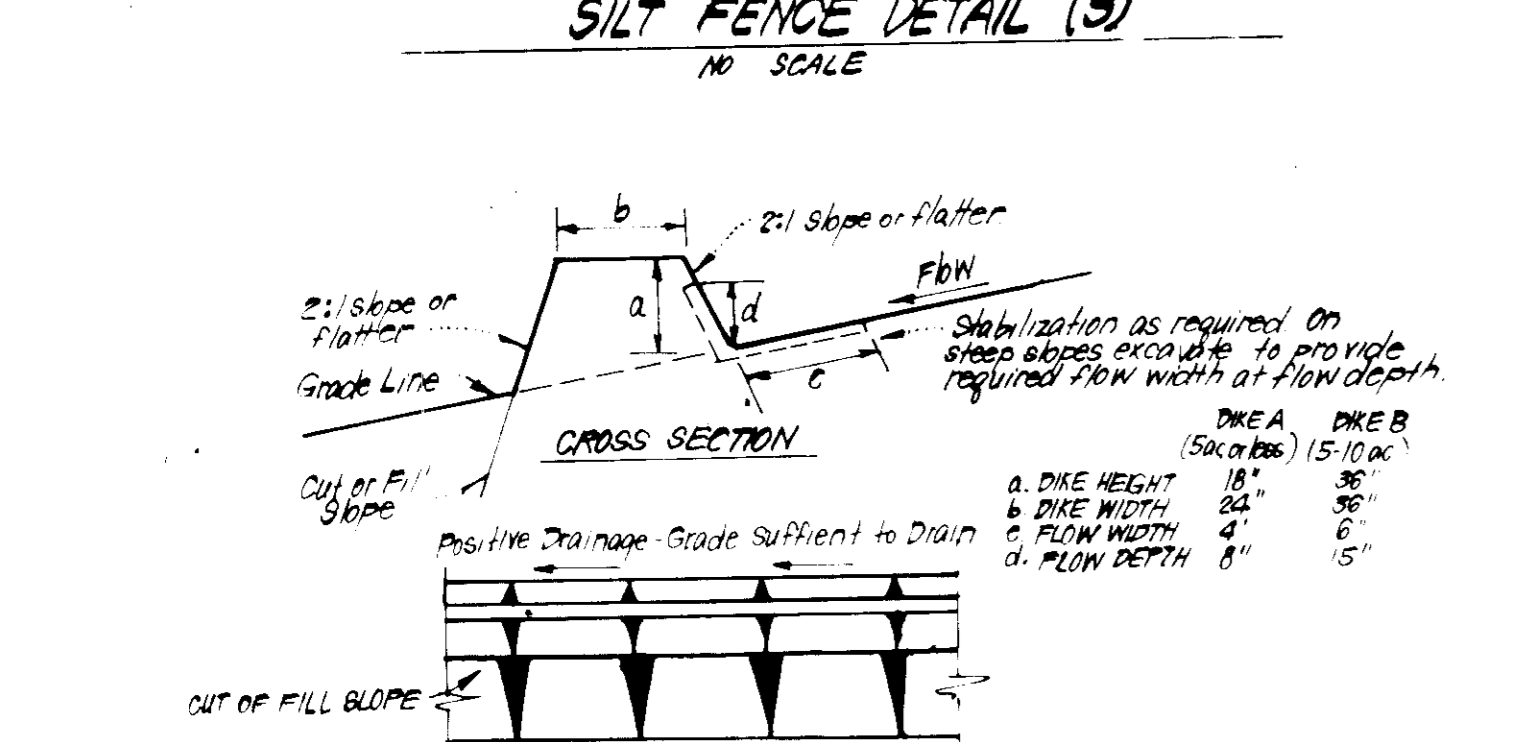
- CONSTRUCTION SPECIFICATIONS:**
- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
  - Length - As required, but not less than 50 feet (except on a single residence lot) where a 150' min length would apply.
  - Thickness - Not less than 6".
  - Width - Two foot min, but not less than the full width at point where ingress of excess occur.
  - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
  - Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
  - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights of way. This may require periodic top dressing with additional stone as conditions demand. Sediment spilled, dropped, washed or tracked onto public rights of way must be removed immediately.
  - Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights of way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
  - Periodic inspection and needed maintenance shall be provided after each rain.



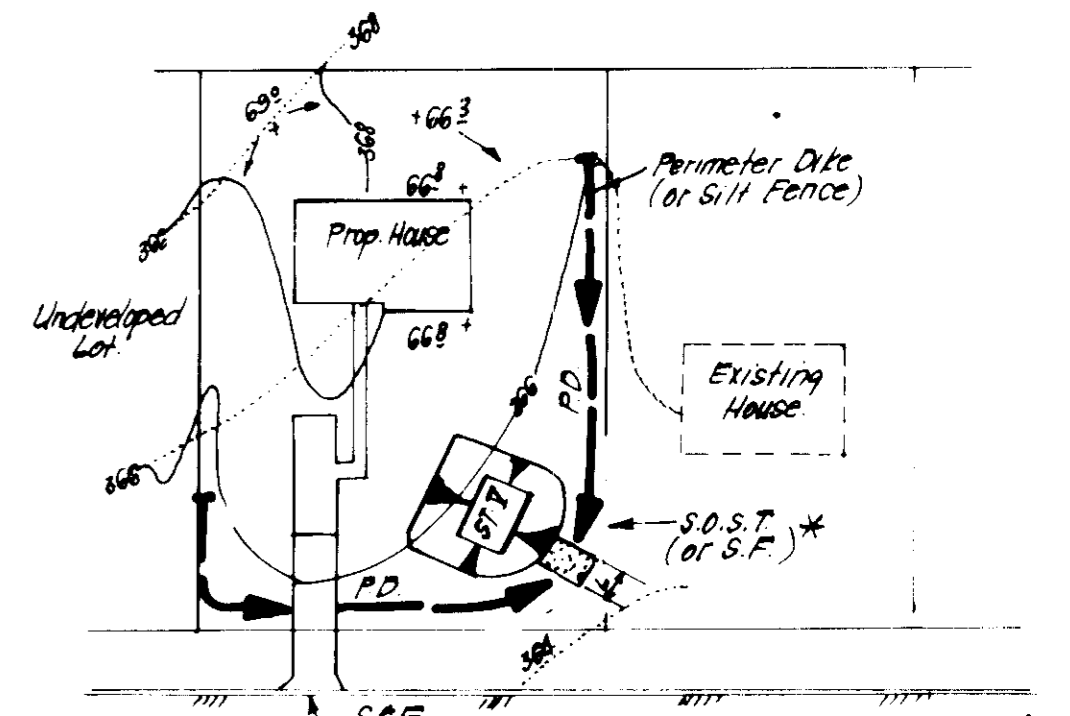
- CONSTRUCTION SPECIFICATIONS:**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The trap area shall be cleared.
  - The fill material for the embankment shall be free of roots and other woody vegetation as well as over sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
  - All cut and fill slopes shall be 2:1 of flatter.
  - The stone used in the outlet shall be small rip rap 4"-8" along with 1" thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
  - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
  - The structure shall be inspected after each rain and repairs made as needed.
  - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
  - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.



- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
  - Filter cloth to be fastened securely to woven wire fence with ties spaced every 3ft at top and mid section.
  - When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and "folded".
  - Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence.
- POSTS: Steel either Top U Type or 2" Hard Wood  
FENCE: Woven Wire, 14 1/2 Gauge  
FILTER CLOTH: Filter Cloth, Mowat's 100X, Stabilink, T140N or Approx. equal  
PREFABRICATED UNIT: Geotext, Envirofence, or Approx. equal



- CONSTRUCTION SPECIFICATIONS:**
- All dikes shall be compacted by earth-moving equipment.
  - All dikes shall have positive drainage to an outlet.
  - Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
  - Field location should be adjusted as needed to utilize a stabilized safe outlet.
  - Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
  - Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) flow channel as per chart below.
- | TYPE OF TREATMENT | CHANNEL GRADE | DIKE A                           |                                  | DIKE B                                |                                  |
|-------------------|---------------|----------------------------------|----------------------------------|---------------------------------------|----------------------------------|
|                   |               | Seed & Straw Mulch               | Seed or Straw Mulch              | Seed with or Extension Seed, 2" Stone | Seed with or Ext. Seed, 2" Stone |
| 1                 | 0.5 - 3.0%    | Seed & Straw Mulch               | Seed or Straw Mulch              | Seed with or Ext. Seed, 2" Stone      | Seed with or Ext. Seed, 2" Stone |
| 2                 | 3.1 - 5.0%    | Seed & Straw Mulch               | Seed with or Ext. Seed, 2" Stone | Lined Rip Rap 4"-8" Stone             | Lined Rip Rap 4"-8" Stone        |
| 3                 | 5.1 - 6.0%    | Seed with or Ext. Seed, 2" Stone | Lined Rip Rap 4"-8" Stone        | Lined Rip Rap 4"-8" Stone             | Lined Rip Rap 4"-8" Stone        |
| 4                 | 6.1 - 20.0%   | Lined Rip Rap 4"-8" Stone        | Lined Rip Rap 4"-8" Stone        | Lined Rip Rap 4"-8" Stone             | Lined Rip Rap 4"-8" Stone        |
- A Stone to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment.  
B Rip Rap to be 4"-8" in a layer at least 8" thick, pressed into soil.  
C Approved equivalents can be substituted for any of the above materials.  
7 Periodic inspection and Required Maintenance must be provided after each rain.



**SINGLE LOT SEDIMENT CONTROL PLAN**

LOT SIZE	VAC	VAC	TAC
16.12	2	3	6
Depth	2	3	6
Bar Length	11	20	36
Bar Width	10	18	36
Bar Area	110	180	324

\* to be adjusted in field, but bottom area must be as given or greater

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

DATE: 2-10-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

DATE: 2-13-85

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

DATE: 2-6-85

APPROVED: DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION, HOWARD COUNTY, MARYLAND

DATE: 1-24-85

Reviewed for: Howard Co. and meets Technical Requirements

Signature: [Signature]

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: 2-2-85

**DEVELOPER'S/BUILDER'S CERTIFICATE**

"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 so deemed necessary."

Signature: Stanley Halle, President Date: 12-31-84

**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: Nelson Clark Date: 12-31-84

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

11317 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 595-3400

DESIGNED: JLS  
DRAWN: LAI  
CHECKED: JLS  
DATE: 12-28-84

**SEDIMENT & EROSION CONTROL PLAN**  
LOTS 1 THRU 30

**RIVERSIDE**  
SECTION 1 AREA 3  
5th ELECTION DISTRICT  
MONTGOMERY COUNTY, MARYLAND

FOR: STANLEY HALL COMMUNITIES, INC.  
9332 Annapolis Road  
Lanham, Maryland 20801

SCALE: As Shown  
DRAWING: 5 of 5  
JOB NO: 82-027  
FILE NO: 82-027SD

SDP-85-110