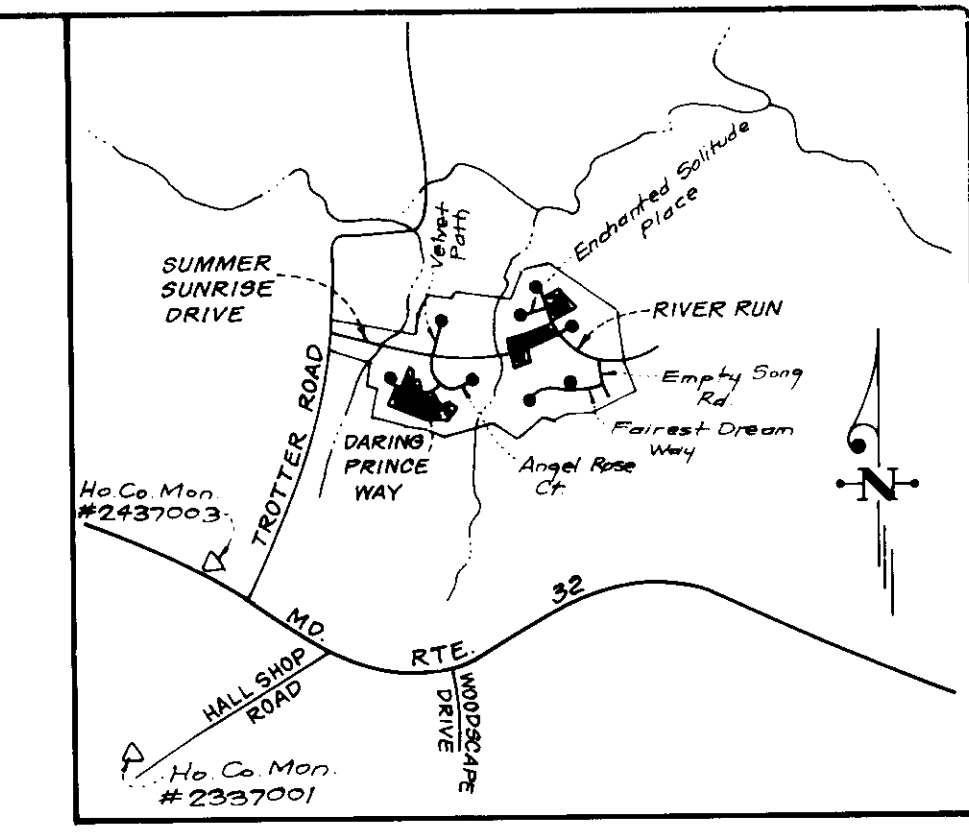
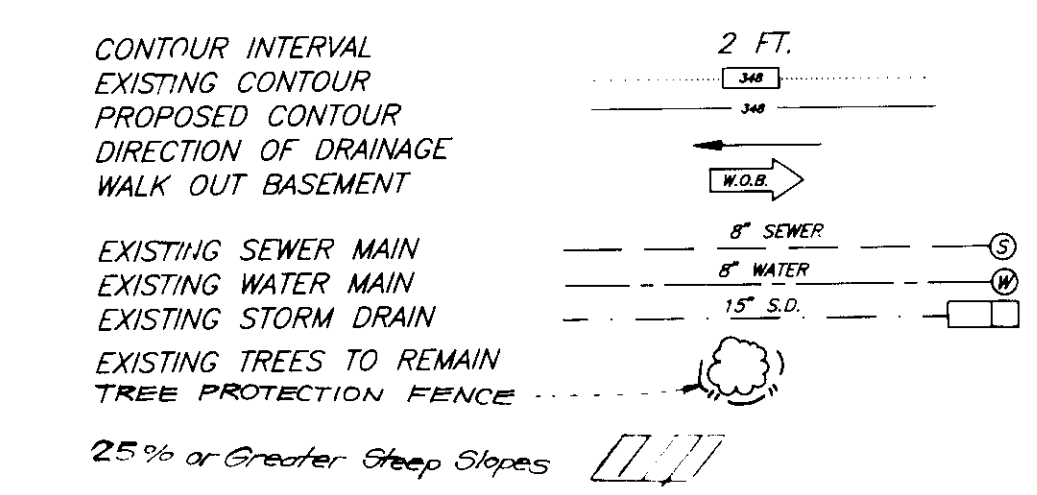


No	REVISIONS	Date
1	Rev. hse. & grad. lot 121	6-24-94
2	Rev. hse. & grad. lots 104 & 105, Add hse. typiculs	6-7-95
3	Rev. hse. & grad. lot 110	8-2-95
4	Rev. hse. & grad. lot 107 to show As-Built Conditions	9-2-97

LEGEND

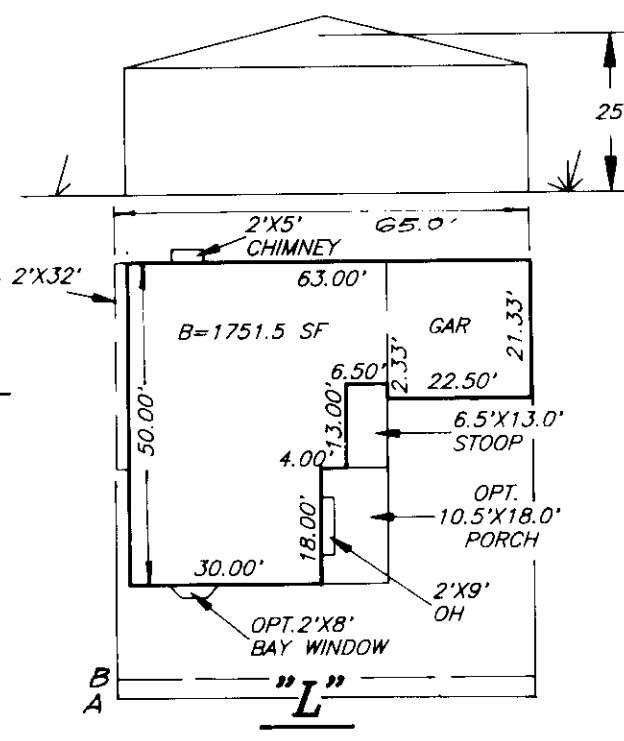
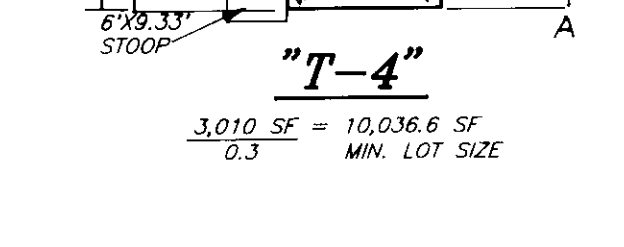
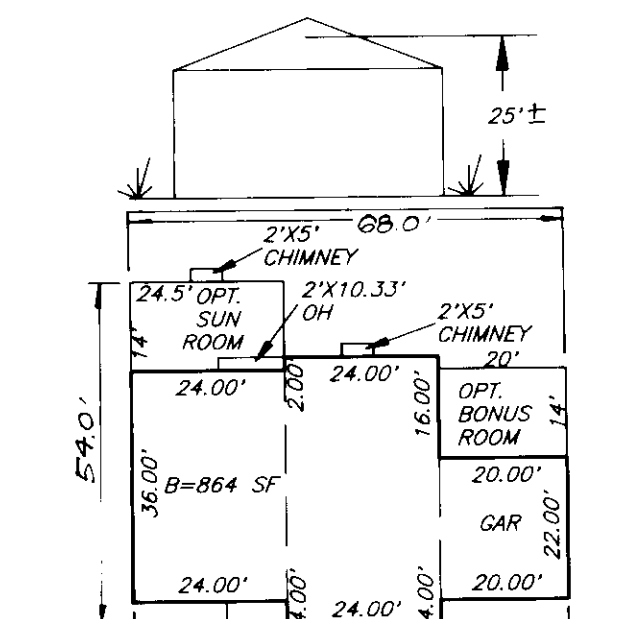


VICINITY MAP

SCALE: 1"=2000'
 BENCHMARK No. 1 - Railroad spike in pole to 5258.00 To Hill Road, E1 933.27 N 436697.02 E 822026.81

TYPICAL HOUSES

SCALE: 1"=30'



GENERAL NOTES:

- Subject property is zoned: NT SFLD per B-2-85 Comprehensive Zoning Plan, FOP Phase 208 Part One.
- The total area included in this submission is: 5.9426 ac.
- The total number of lots included in this submission are: 21.
- Improvement to property: Single family detached.
- The maximum lot coverage permitted is: 30%.
- Department of Planning and Zoning reference file numbers: F-94-32, F-93-18, S-91-03, P-92-13, WP-92-13; as allowed by Ordinance No. 100-100-01 and Ordinance No. 100-100-02.
- Utilities shown as existing are taken from approved water and sewer plan Contract # 34-3204-D, approved road construction plans F-93-18, and actual field survey.
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- Stormwater Management for this development will be detention facilities created by road fills. Water quality is provided for by extended detention basins.
- All roadways are public and existing.
- The existing topography was taken from plans prepared by Plumer, Muegge and Assoc. Inc. F-93-18.
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos.: 2337001 & 2437003.
- The contractor shall notify the Department of Public Works/Bureau of Construction Inspection a (410) 313-1870 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- Porches and decks open or enclosed may not project more than three (3) feet into front or rear yard setback areas.
- For driveway entrance details refer to Howard County Design Manual, Volume II Std Details R-6.01, R-6.03 & R-6.05.
- No clearing, grading or construction is permitted within the required wetland or stream buffers.
- Existing contours shown within the right-of-ways are taken from road construction plans F-93-18.

SPECIAL NOTES:

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road Construction Plans F-93-18 and/or approved Water and Sewer Plans Contract #C-34-3204-D. 54C elevations shown are of the property line.

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
104	6305 DARING PRINCE WAY
105	6303 DARING PRINCE WAY
106	6313 DARING PRINCE WAY
107	6317 DARING PRINCE WAY
108	6321 DARING PRINCE WAY
109	6325 DARING PRINCE WAY
110	6329 DARING PRINCE WAY
121	6324 DARING PRINCE WAY
122	6316 DARING PRINCE WAY

SUBMISSION NAME	SECTION/AREA	LOTS/PARCELS
COLUMBIA-VILLAGE OF RIVER HILL	2 / 1	13, 18, 37-40, 89, 90, 104-110, 121, 122
PLAT NO.	BLOCK NO.	ZONE
10943-10848	14 & 15	NT
10978 & 10777		
WATER CODE	SEWER CODE	
I-12	6652500	

SHEET INDEX

Sheets 1 & 2 - Site Development Plans
 Sheets 3-5 - Sediment & Erosion Control Plans

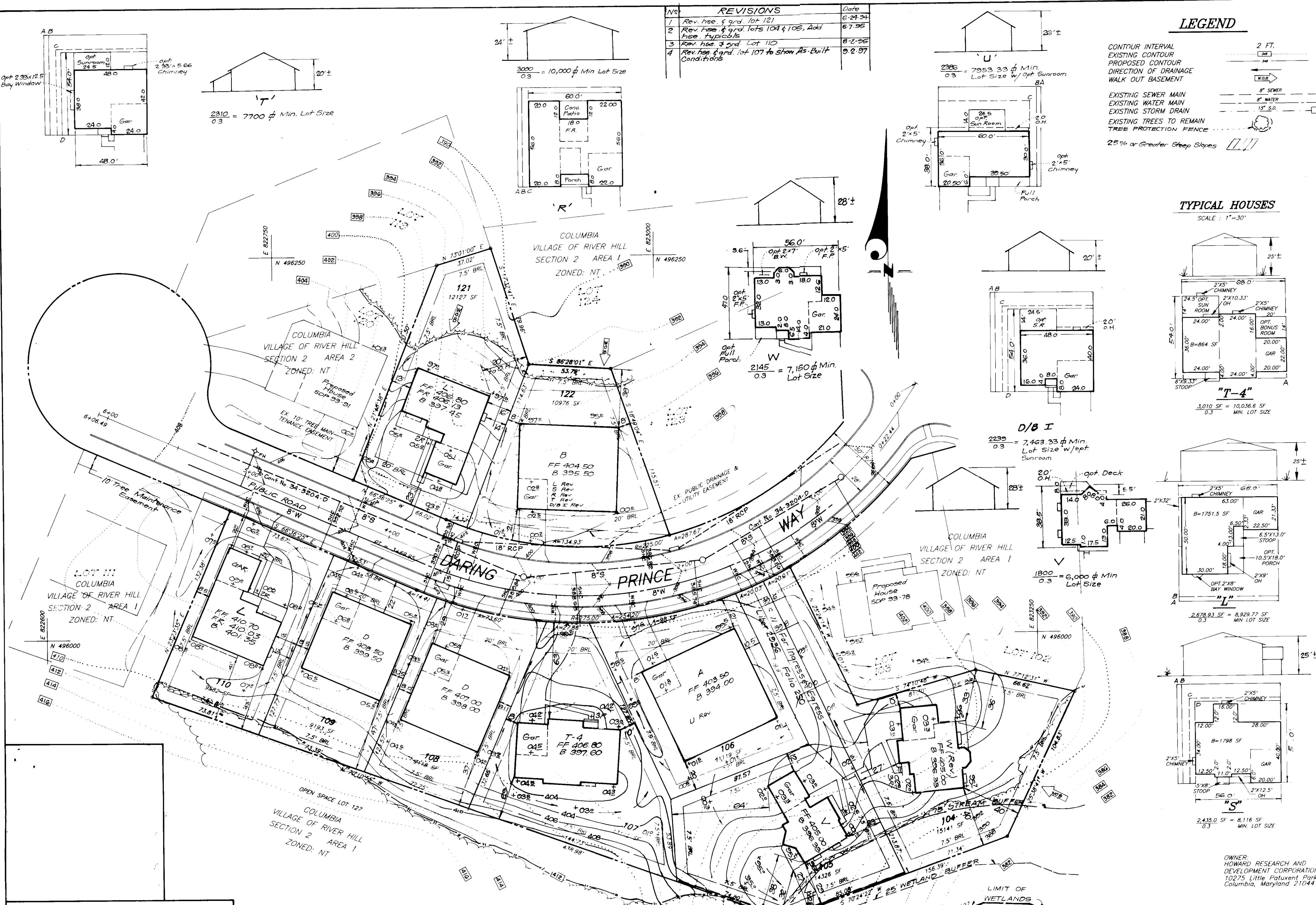
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: VLP
 DRAWN: LAI, BAL
 CHECKED: JME
 DATE: JUNE 1993

SITE DEVELOPMENT PLAN
 LOTS 13 - 18, 37 - 40, 89, 90,
 104 - 110, 121 & 122
COLUMBIA
 VILLAGE OF RIVER HILL
 SECTION 2 AREA 1
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS, INC.
 P.O. Box 999
 Columbia, MD 21044

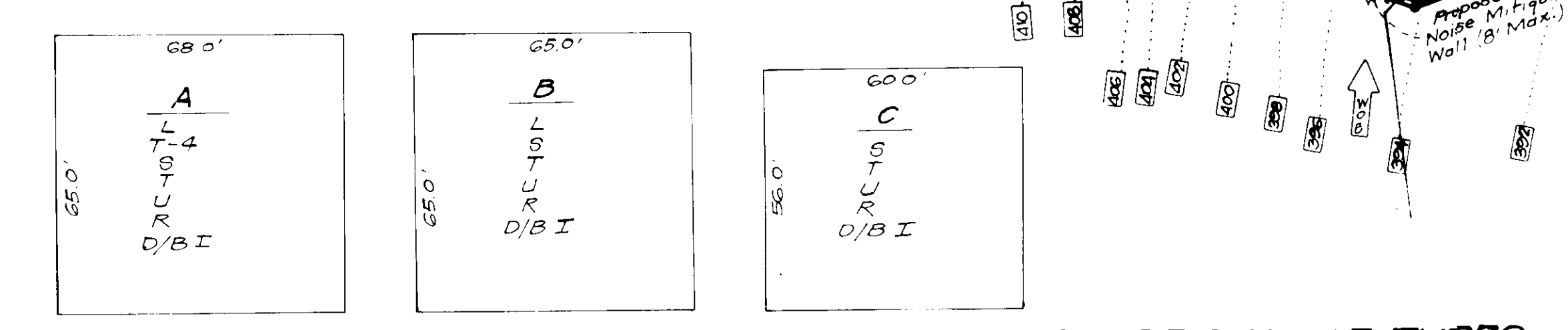
SCALE: 1"=30'
 DRAWING: 1 OF 5
 JOB NO: 93-047
 FILE NO: 93-047X



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 10-5-93
 COUNTY HEALTH OFFICER

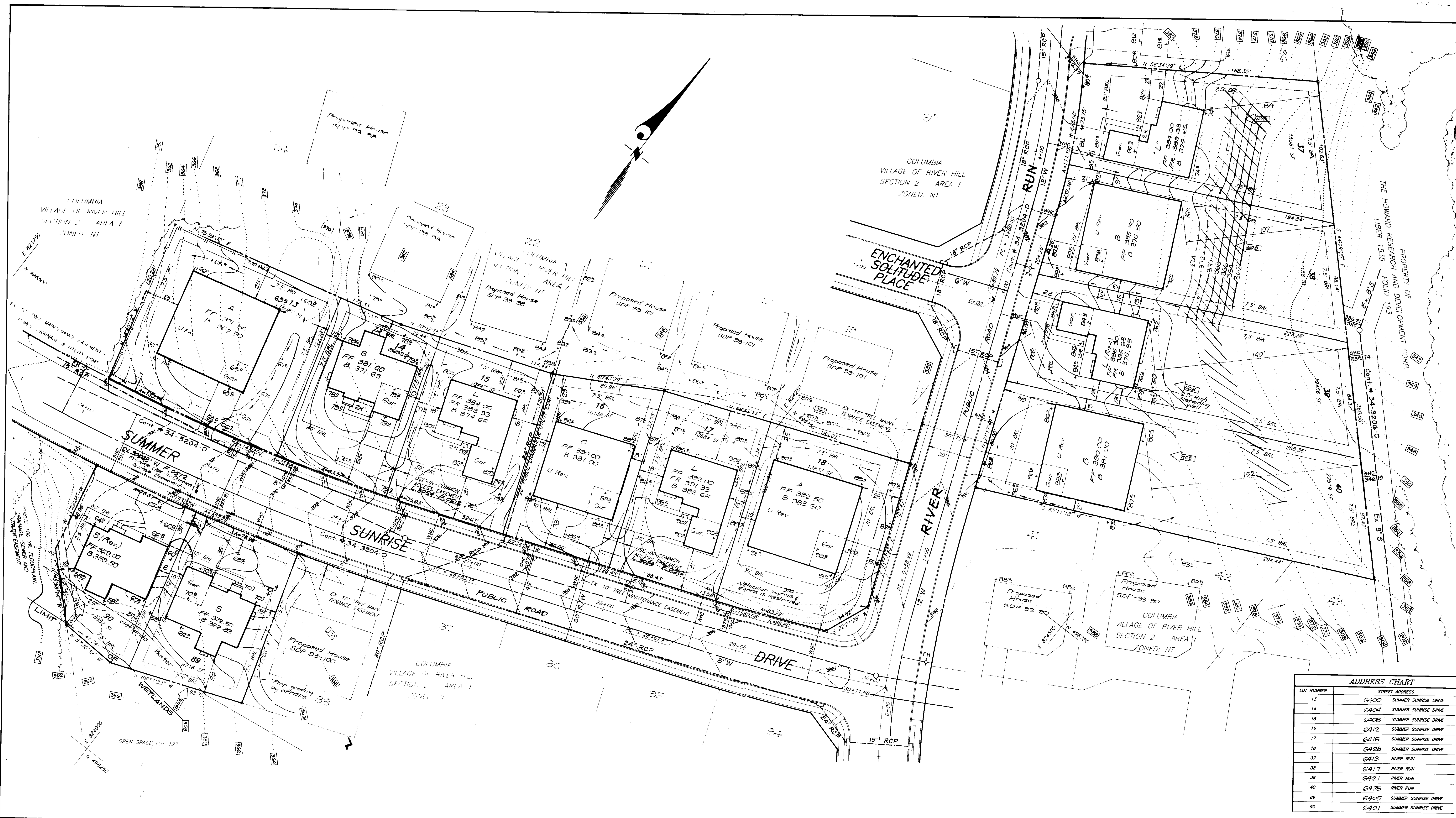
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 11/29/93
 11/24/93
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 10/1/93
 2/30/93
 DIRECTOR



GENERIC HOUSE TYPES
 Scale: 1"=30'





ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
13	6400 SUMMER SUNRISE DRIVE
14	6404 SUMMER SUNRISE DRIVE
15	6408 SUMMER SUNRISE DRIVE
16	6412 SUMMER SUNRISE DRIVE
17	6416 SUMMER SUNRISE DRIVE
18	6428 SUMMER SUNRISE DRIVE
37	6413 RIVER RUN
38	6417 RIVER RUN
39	6421 RIVER RUN
40	6425 RIVER RUN
89	6405 SUMMER SUNRISE DRIVE
90	6401 SUMMER SUNRISE DRIVE

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

Joyce M. Boyd 10-5-93
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Joseph J. Smith 11/29/93
DIRECTOR DATE

Gina J. Summers 11/24/93
CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

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

James J. ... 10/1/93
DIRECTOR DATE

... 2/30/93
CHIEF BUREAU OF ENGINEERING DATE

No.	REVISIONS	Date
4	Rev hse & grad lot 14	11-8-93
3	Rev hse & grad lot 30 to reflect As-Built Conditions	9-27-93
2	Rev hse and grad lot 37	8-30-93
1	Rev house and grade lot 33	12-17-93

Wendell J. Sackett
8/10/93

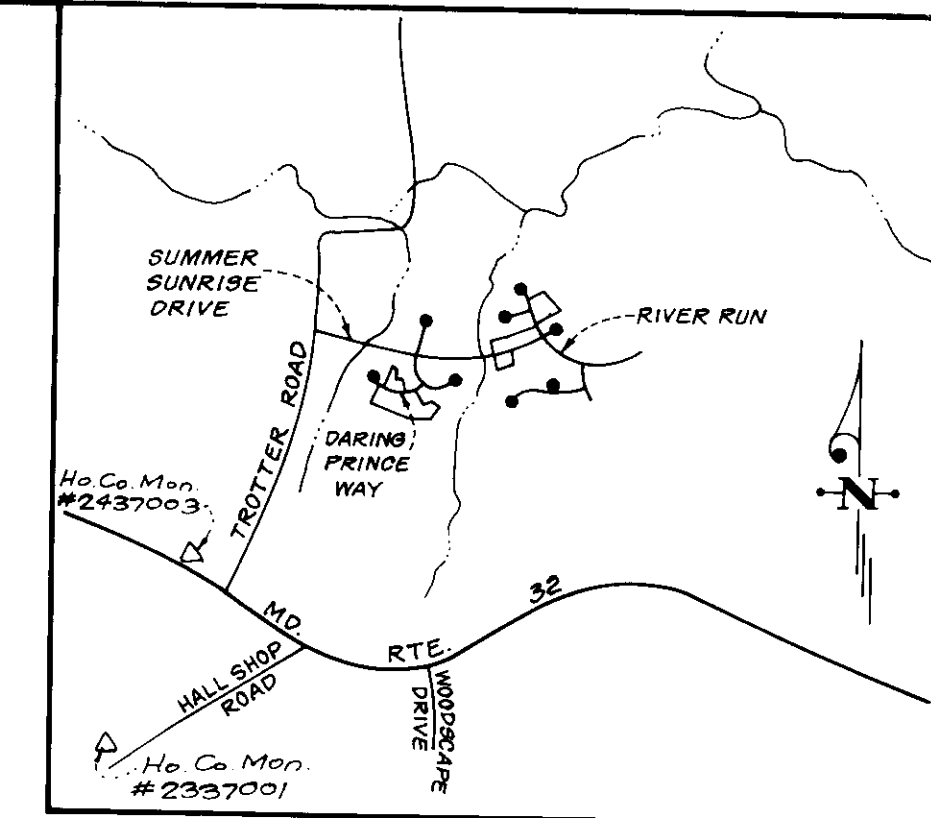
CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA MD 21045 • (410) 181-7500 BALTO • (301) 621-8100 WASH

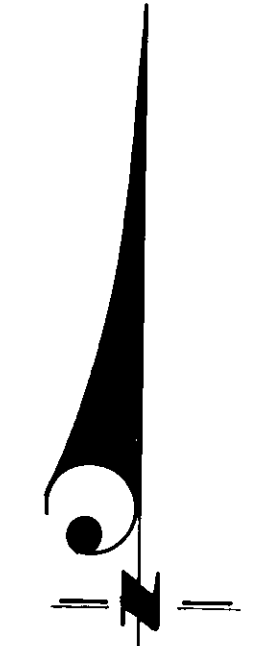
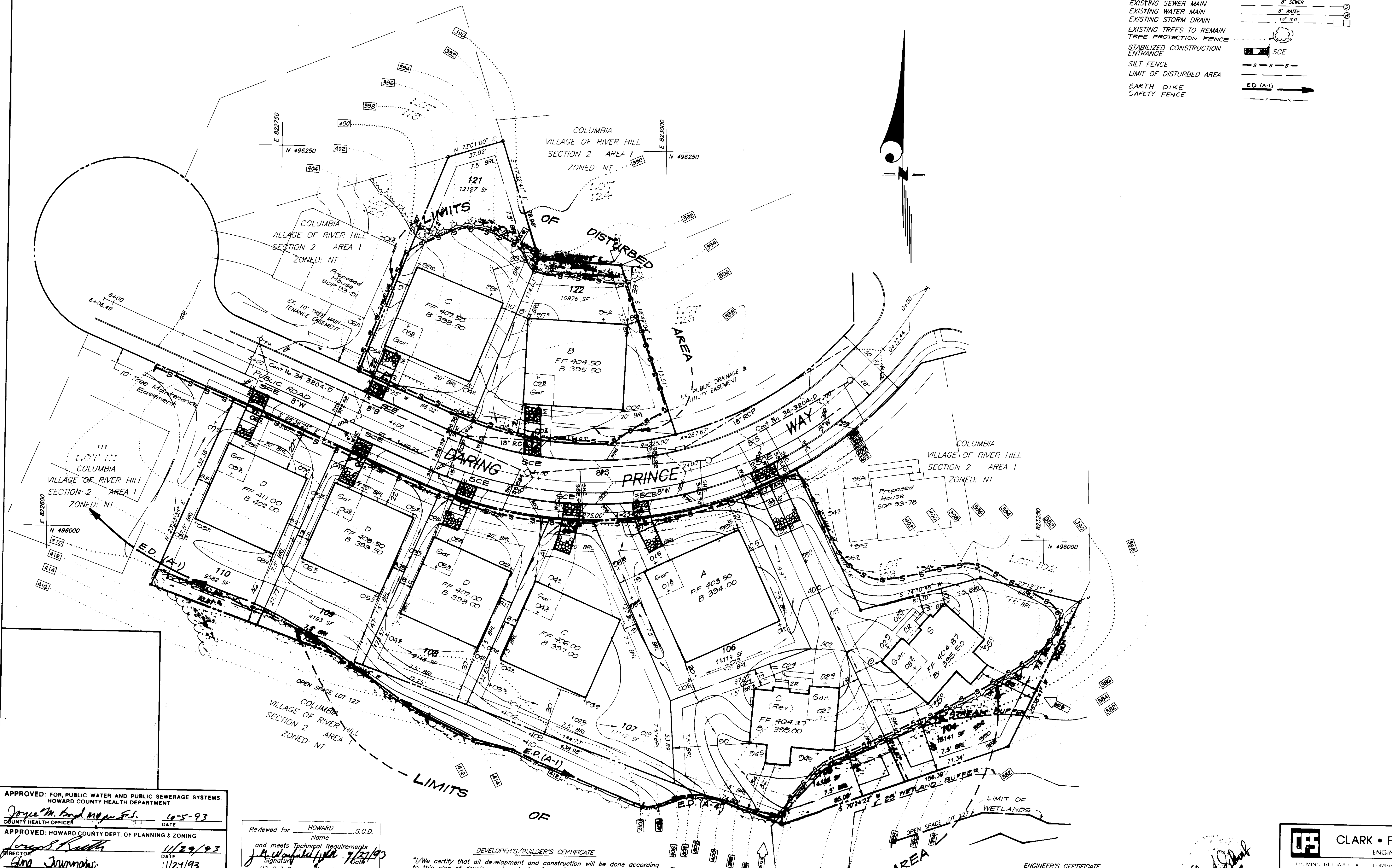
DESIGNED JME	SITE DEVELOPMENT PLAN LOTS 13 - 18, 37, 40, 89, 90, 104 - 110, 121 & 122 COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS, INC. P.O. Box 390 Columbia, Md. 21044	SCALE 1"=30'
DRAWN BAL		DRAWING 2 OF 5
CHECKED JME		JOB NO. 93-047
DATE JUNE 1993		FILE NO. 93-047X

LEGEND

- CONTOUR INTERVAL 2 FT.
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING STORM DRAIN
- EXISTING TREES TO REMAIN
- TREE PROTECTION FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- LIMIT OF DISTURBED AREA
- EARTH DIKE
- SAFETY FENCE



VICINITY MAP
SCALE: 1"=2000'
BENCHMARK No 1 - Railroad spike in pole no. 525680 Trotter Road, El. 303.27
N 496697.02 E 822026.81



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
County Health Officer: *Joyce M. Bond* 10-5-93
DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Director: *Gina Jaramila* 11/29/93
DATE
Chief Division of Land Development and Research

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Director: *John R. Robertson* 9/30/93
DATE
Chief Bureau of Engineering

Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
Signature: *J.H. Woodfield* 9/29/93
Date
US 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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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 SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Signature: *John R. Robertson* 9/30/93
Signature: *D. James Greenfield* 6-11-93
Date

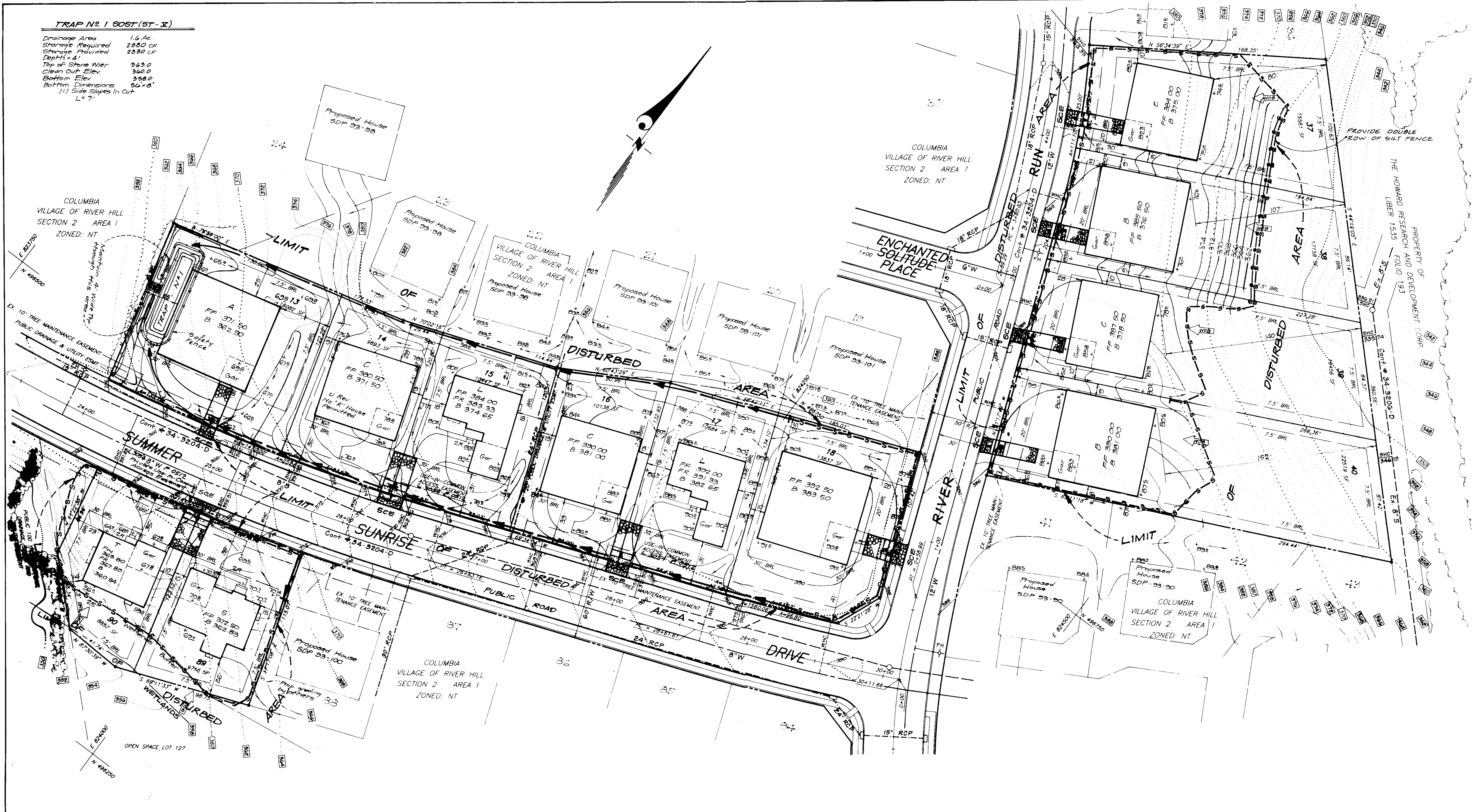
ENGINEER'S CERTIFICATE
I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
Signature: *Jeffrey L. Schwab* 6/14/93
Date
JEFFREY L. SCHWAB

CLARK • FINEROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
215 MICHIGAN WAY • COLUMBIA, MD 21046 • 410-381-7500 (HALL) • 1-800-278-7411 (WASH)

DESIGNED D.A.B.	SEDIMENT & EROSION CONTROL PLAN LOTS 13 - 18, 37 - 40, 89, 90, 104 - 110, 121 & 122 COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS, INC. P.O. Box 999 Columbia, MD 21044	SCALE 1" = 30'
DRAWN B.A.L.		DRAWING 3 OF 5
CHECKED D.A.B.		JOB NO. 93-047
DATE JUNE 1993		FILE NO. 93-047

TRAP NO 1 SOST (ST-I)

Drainage Area 1.6 Ac.
 Storage Required 2080 CF
 Storage Provided 2080 CF
 Depth = 4'
 Top of Stone Wier 369.0
 Clean Out Elev. 360.0
 Bottom Elev. 358.0
 Bottom Dimensions 56' x 8'
 1:1 Side Slopes In Cut
 L = 7'



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 Jay M. Boyd, M.P.H. 10-5-93
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 Gina Summani 11/24/93
 DIRECTOR DATE
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 James P. Chew 10/1/93
 DIRECTOR DATE
 Chief Bureau of Engineering

Reviewed for HOWARD S.C.D.
 Name
 and meets Technical Requirements
 Signature: J. A. Wainford, P.E. 9/12/93
 Date
 US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT.
 Signature: John R. Roberts 9/12/93
 Approved

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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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: Romeo Greenfield
 Date: 6-11-93

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Sediment and Erosion 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: Jeffrey L. Schwab
 Date: 6/14/93

CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7115 MINISTRELE WAY • COLUMBIA, MD 21045 • (410) 881-7500 BALTO • (301) 421-0000 WASH

DESIGNED DAB	SEDIMENT & EROSION CONTROL PLAN LOTS 13 - 18, 37 - 40, 89, 90, 104 - 110, 121 & 122 COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS, INC. P.O. Box 333 Columbia, Md. 21044	SCALE 1" = 30'
DRAWN BAL		DRAWING 4 OF 5
CHECKED D.A.B.		JOB NO 93-047
DATE JUNE 1993		FILE NO 93-047-5E

SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (913-1810).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec.51) sod (Sec.54), temporary seeding (Sec.50) and mulching (Sec.52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- SITE ANALYSIS:**

Total Area of Site:	5.94 Ac
Area Disturbed:	5.75 Ac
Area to be roofed or paved:	2.00 Ac
Area to be vegetatively stabilized:	3.70 Ac
Total Cut:	19,559 cu yd
Total Fill:	6,227 cu yd
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- If houses are to be constructed on an "as sold" basis, at random, Single Family Sediment Control, as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail this sheet).
- The total amount of silt fence = 2960 LF

*It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

CONSTRUCTION SEQUENCE:	NO. OF DAYS
1. Obtain grading permit	7
2. Install tree protection fence.	7
3. Install sediment and erosion control devices and stabilize.	14
*4. Excavate for foundations, rough grade and temporarily stabilize.	60
5. Construct structures, sidewalks and driveways.	60
6. Final grade and stabilize in accordance with Stds. and Specs.	14
7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7

*Delay construction of houses on lots 13 See single lot sediment control detail, this sheet.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:
 1) Preferred- Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq ft.)
 2) Acceptable- Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60lbs per acre (1.4 lbs./1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs./1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

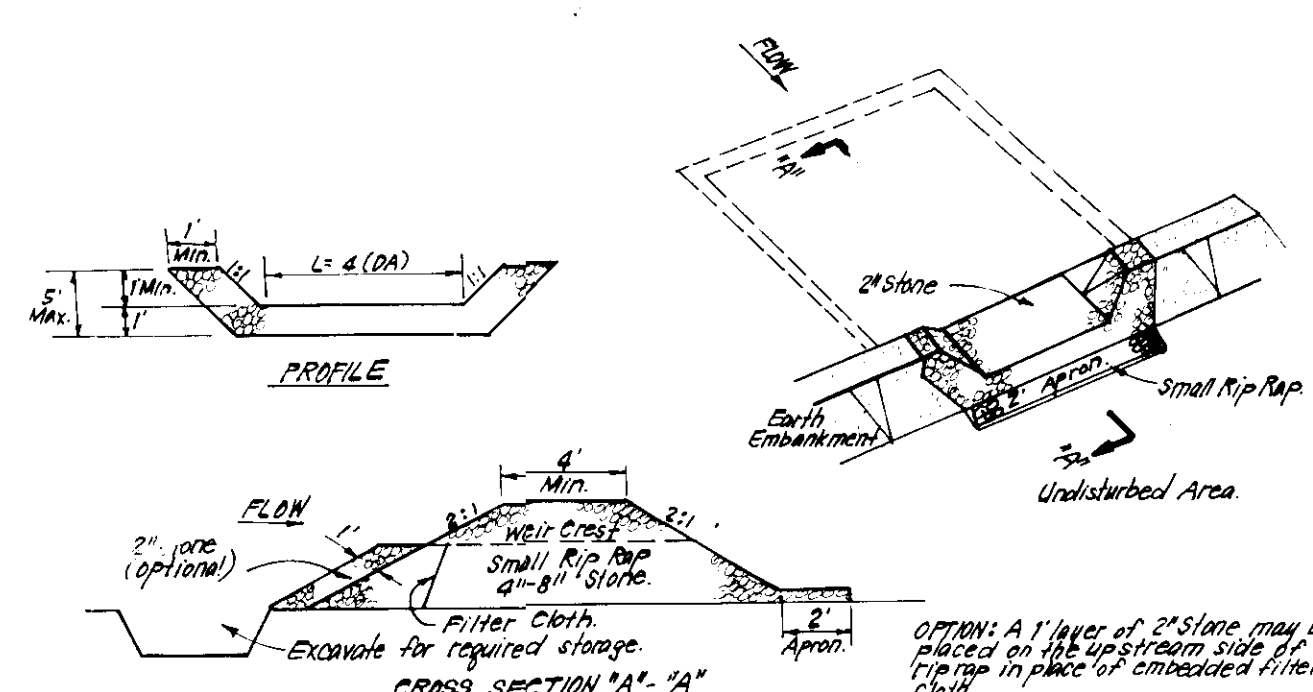
SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing, or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs per acre 10-10-10 fertilizer (14lbs/1000 sq ft).

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs./1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs./1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

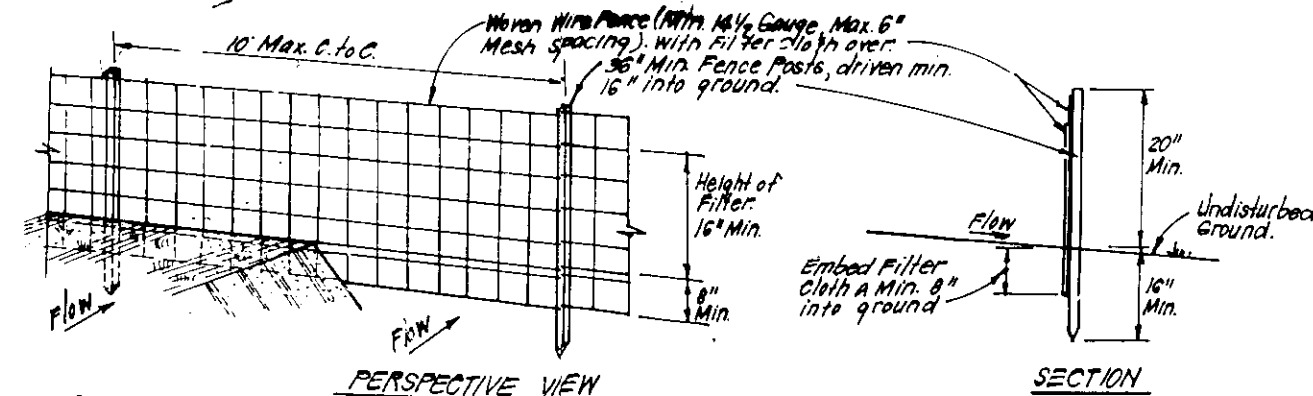
MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



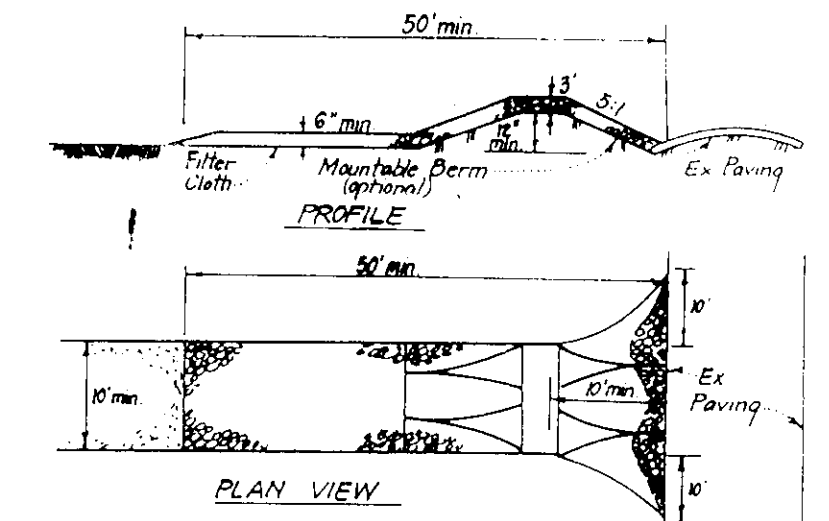
- CONSTRUCTION SPECIFICATIONS:**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The top soil shall be replaced.
 - The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by hand using a tamper or roller to a depth of 12" below the surface.
 - All cut and fill slopes shall be 3:1 or flatter.
 - The stone used in the outlet shall be small rip rap 4" x 8" with 1" thickness of 2" aggregate placed on the up-slope side of 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.

STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STY.



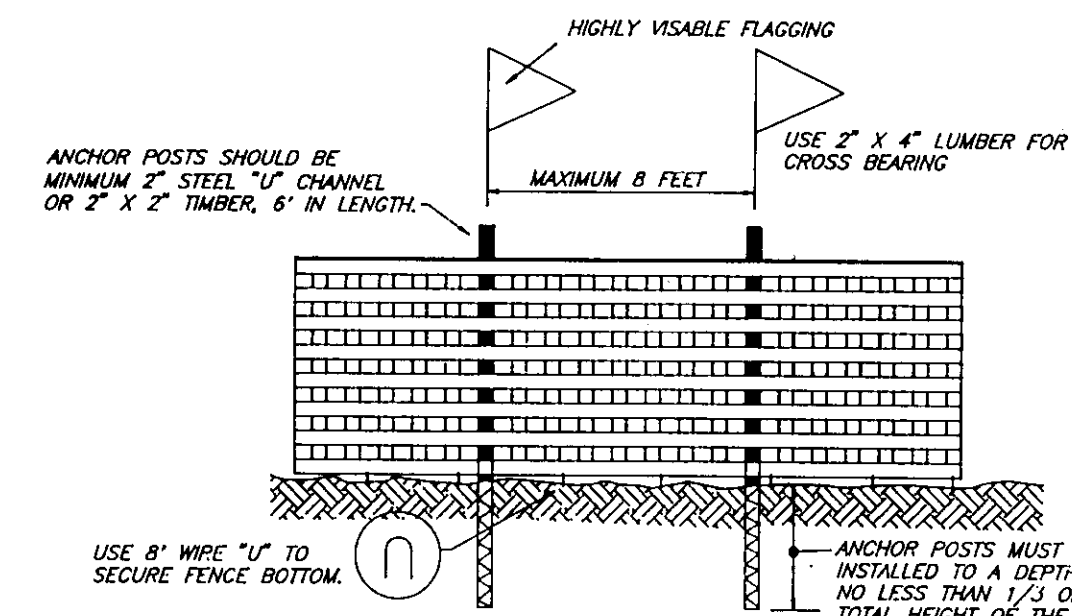
- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 - When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and stapled.
 - Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence.
- POSTS:** Steel, galvanized or U Type or 2" Hardwood
FENCE: Woven Wire, 14 1/2 gauge
1" Max. Mesh Opening
FILTER CLOTH: Filter, Must be 100% Stable, 1400 or Approx. equiv.
PRE-FABRICATED UNIT: See Arch. Envelope, or Approx. equal

SILT FENCE DETAIL (S)



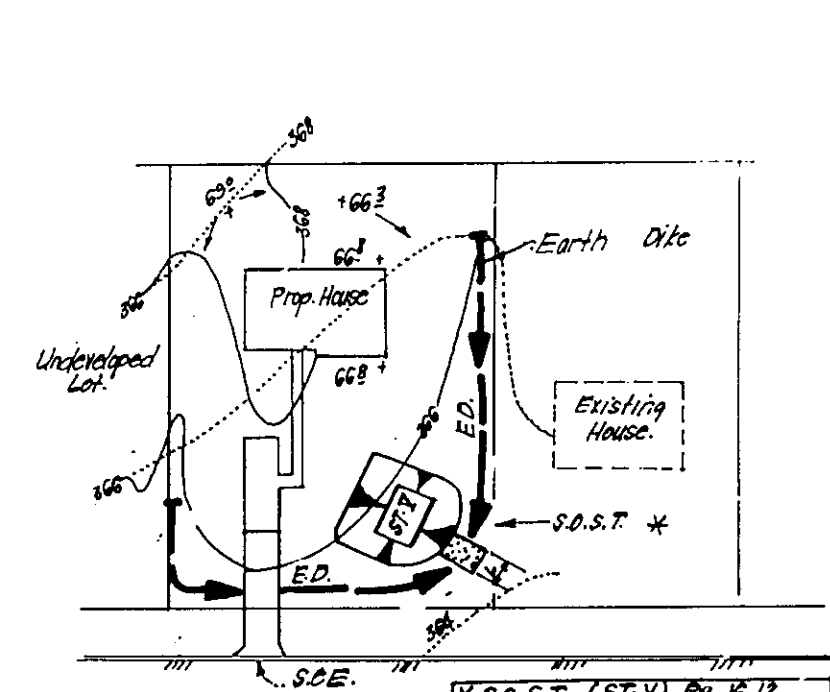
- CONSTRUCTION SPECIFICATIONS:**
- Stone Size - Use 2" stone or reclaimed or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residential lot where a 30' foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) feet minimum, but not less than the full width of paths where ingress or egress occurs.
 - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence.
 - Surface Water - All surface water flowing or diverted toward construction entrances shall be trapped at the entrance. If trapping is impractical, a mountable berm with 5' slopes will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or blowing of sediment onto public rights-of-way. This may require periodic hosing with additional stone as construction damage and repair and/or cleanup of any impurities used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 - Warning - 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.

STABILIZED CONSTRUCTION ENTRANCE (SCE)



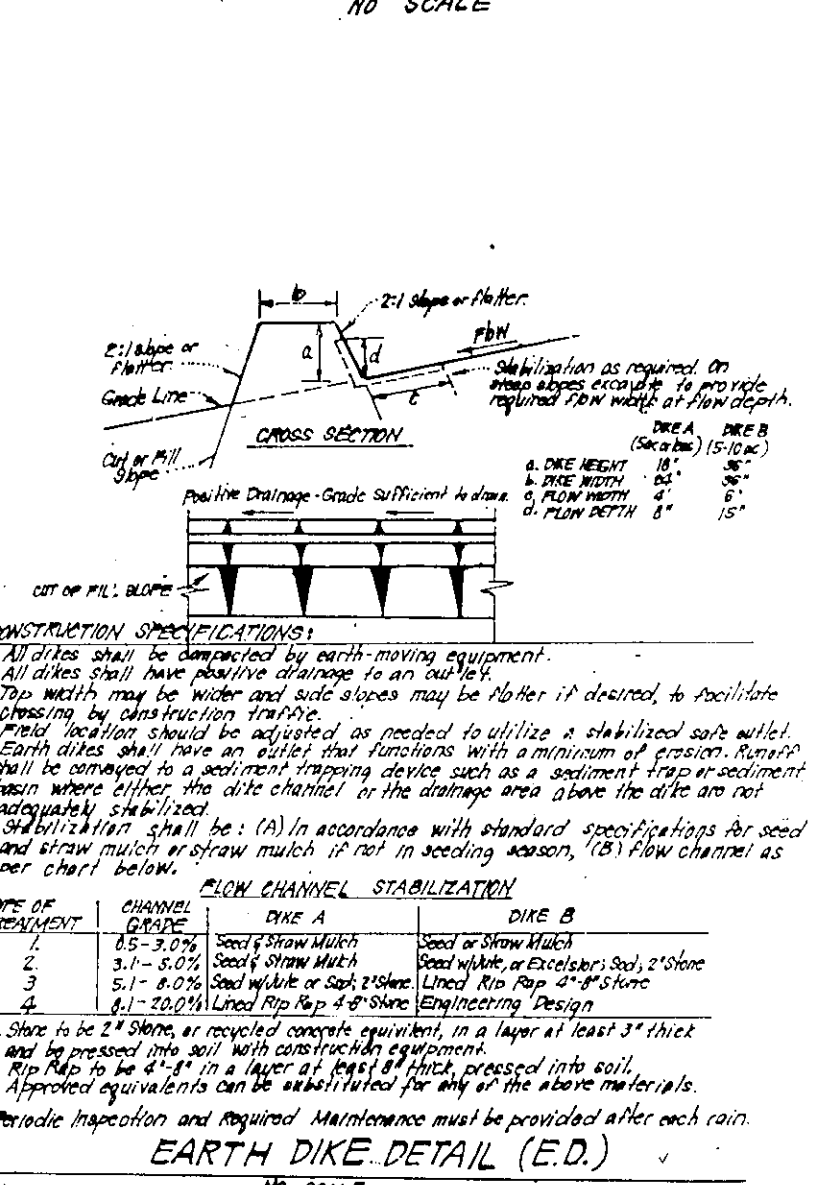
BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL

- CONSTRUCTION SPECIFICATIONS:**
- All sites shall be surveyed by earth-moving equipment.
 - All sites shall have positive drainage to an outlet.
 - The mesh may be water and soil soaked prior to installation to facilitate driving by construction traffic.
 - Mesh location should be indicated as needed to utilize a stabilized soil wall.
 - Each site 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 site channel or the drainage area above the site are not adequately stabilized.
 - Stabilization shall be: (a) in accordance with standard specifications for seed and straw mulch as shown on this sheet, (b) in accordance with standard specifications for seed per chart below.
- BLAZE ORANGE PLASTIC MESH STABILIZATION**
- | TYPE OF PROTECTION | DIKE A | DIKE B |
|--------------------|--------|--|
| 1 | 15-30% | Seed or Sod |
| 2 | 31-45% | Seed or Sod with 2" Straw |
| 3 | 46-60% | Seed or Sod with 2" Straw and 2" Sod |
| 4 | 61-75% | Seed or Sod with 2" Straw and 2" Sod and 2" Sod |
| 5 | 76-90% | Seed or Sod with 2" Straw and 2" Sod and 2" Sod and 2" Sod |
- NOTES:**
- Forest protection device only.
 - Retention area will be set as part of the review process.
 - Boundaries of retention area should be staked and flagged prior to installing device.
 - Root damage should be avoided.
 - Protection signage may also be used.
 - Device should be maintained throughout construction.



***NOTE:** Single lot detail can not be utilized if only two lots sharing common property lines are to be stabilized at the same time on any lots showing a sediment trap.

SINGLE LOT SEDIMENT CONTROL PLAN



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

[Signature] 10-5-93
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 11/29/93
 DIRECTOR DATE

[Signature] 11/27/93
 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

[Signature] 11/19/93
 DIRECTOR DATE

[Signature] 9/30/93
 CHIEF BUREAU OF ENGINEERING DATE

Reviewed for HOWARD S.C.D. and meets all requirements

[Signature] 7/27/93
 Signature Date
 US Soil Conservation Service

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

[Signature] 9/27/93
 Approved

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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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] 6-11-93
 Date

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion 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] 11/4/93
 JEFFREY L. SCHWAB Date

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 881-7500 • BALTO • (301) 621-8100 • WASH

DESIGNED	DAB	SCALE	1"=30'
CHECKED	BAL	DRAWING	5 OF 5
DATE	JUNE 1993	JOB NO	93-047
		FILE NO	93-047

SEDIMENT & EROSION CONTROL PLAN
 LOTS 13 - 18, 37 - 40, 89, 90,
 104 - 110, 121 & 122

COLUMBIA
 VILLAGE OF RIVER HILL
 SECTION 2 AREA 1
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS, INC.
 P.O. Box 233
 Columbia, Md 21044