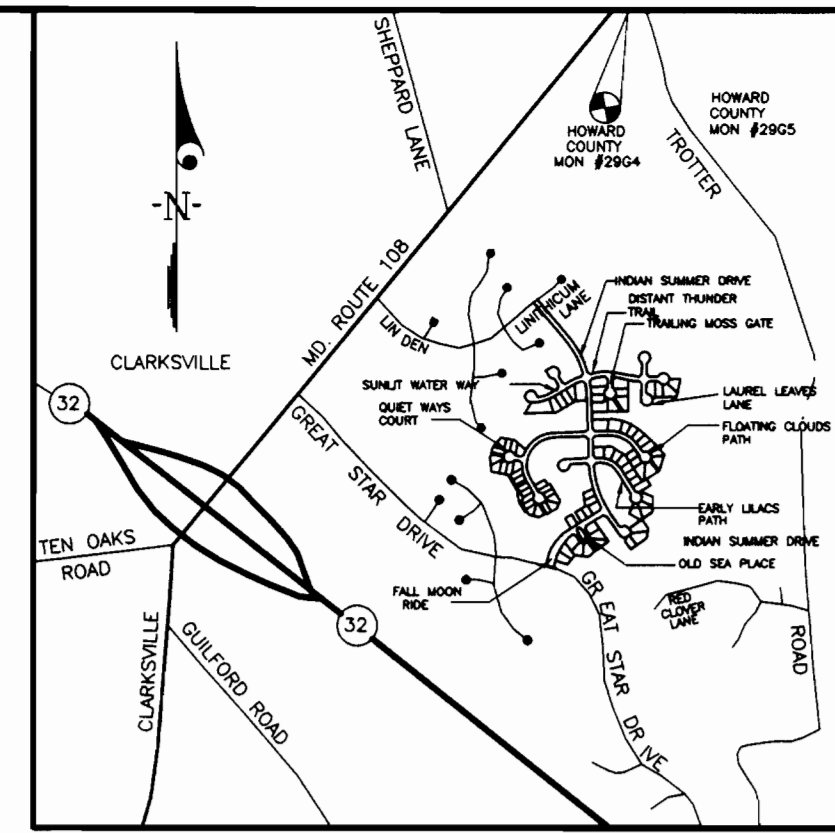


SITE DEVELOPMENT PLAN FOR VILLAGE OF RIVER HILL PHEASANT RIDGE NEIGHBORHOOD TOT LOTS 1, 2 AND 4



VICINITY MAP
Scale : 1"=2000'

BENCHMARKS:
Howard County Monument 29G4
Intersection of MD. Route 108 and Trotter Road
Howard County Monument 29G5
an additional 2,544' ± Northeasterly along MD. Route 108 away from Site

GENERAL NOTES

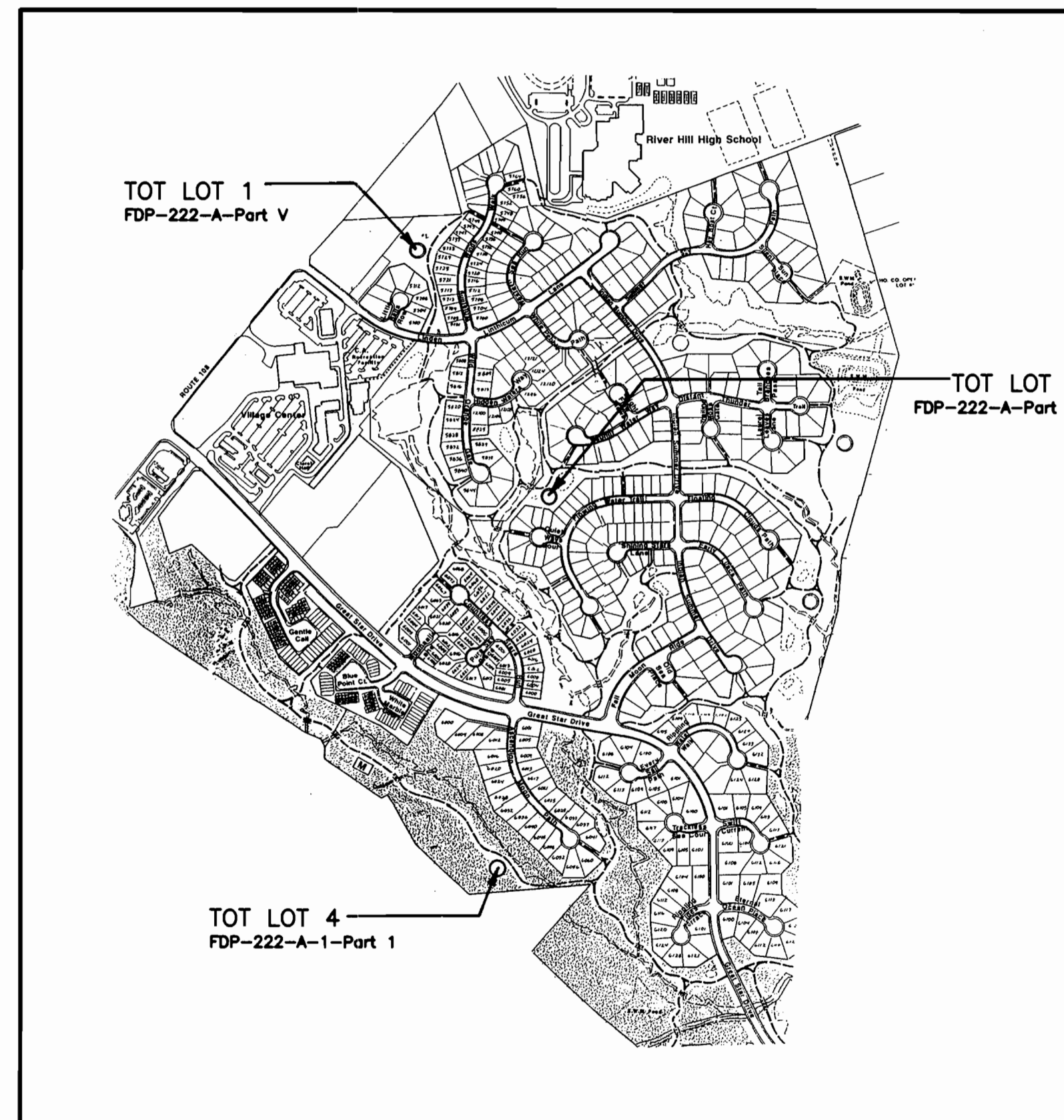
- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable.
- The contractor shall notify the Bureau of Engineering / Construction Inspection Division at (410) 313-1880 at least five (5) days prior to the start of work.
- The contractor shall notify "MISS UTILITY" at 1(800)257-7777 at least 48 hours prior to any excavation work.
- Project background:
Location: Village Of River Hill
Zoning: New Town Open Space
Election District: 5th

TOT LOT NO.	DISTURBED AREA	VORH S/A	O.S.LOT	LOT AREA	"F" PLAN
1	0.12 AC	VORH 4/5	139 PART	8.6 AC.	F-96-102
2	0.19 AC	VORH 4/4	280 PART	6.3 AC.	F-98-120
4	0.10 AC	VORH 4/1 PHASE 2	82	41.6 AC.	F-96-123

OTHER FILE REFERENCES

SDP 00-14 For construction of pathways. (TOT LOTS #1 & 4)
SDP 01-21 For construction of pathways. (TOT LOTS #2)

- Topography within limits of disturbance was field run at two foot contour intervals by Clark, Finefrock & Sackett, dated December, 2000.
- Horizontal controls are based on Maryland State Grid System as per the respective record plats.
- Floodplain and wetland limits were derived from the retrospective record plats established under subdivision plans F-96-102, F-98-110, F-98-120, F-98-123.
- Stormwater management for these sites was provided under the original subdivision plans F-96-102, F-98-110, F-98-120, F-98-123.
- The existing utilities were located from existing plans and records. The contractor must dig test pits, by hand, at all utility crossings and connection points to verify exact location.
- Any damage to County rights-of-ways and paving of public roads shall be repaired immediately at the contractors expense in accordance with the Howard County Specifications and Standards.
- All concrete for the site work shall be Class 2 concrete and shall be in accordance with the Maryland State Highway Administration specifications as amended to date.
- The limit of disturbance area on the site shall be marked with a construction fence prior to any clearing and grading activity for the tot lot construction.
- Maintenance of the tot lots will be the responsibility of the owner, The Columbia Association.
- All trees 12 inches and larger are not to be disturbed unless indicated on plans. All trees within the limit of disturbance are to have tree protection fence installed around them.
- No disturbance of Wetlands or Steam Buffers is permitted unless specific waiver is approved.
- The subject property is zoned NT per the 10-18-93 Comprehensive Zoning Plan.
- This plan complies with the requirements of section 16.1200 of the Howard County Code for Forest Conservation by prior approvals.
- No traffic study is required for this project.
- 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. 29G4 and 29G5 were used for this project.



LOCATION MAP
SCALE: 1"=800'

SUMMARY SITE ANALYSIS TOT LOTS 1-4

Zone	NT OPEN SPACE
Disturbed Areas	0.41 AC.
Impervious Areas	-
Permeable Areas	0.41 AC.
Mulched Areas	0.17 AC.
Vegetatively Stabilized Areas	0.24 AC.
Total Earth Cut	365 C.Y.
total Earth fill	365 C.Y.
Total Spoil	-

NOTE: Construction of all bituminous pathways is permitted under SDP#00-14 & SDP#01-21

LEGEND

CONTOUR INTERVAL	2 FT.
PROPOSED CONTOUR	---
DIRECTION OF DRAINAGE	---
SPOT ELEVATION	• 1.78 d.
LIMIT OF DISTURBED AREA	---
TREE PROTECTION FENCE	---
EXISTING TREES TO REMAIN	---
SITE ACCESS / STABILIZED CONSTRUCTION ENTRANCE	---
SILT FENCE	---

ADDRESS CHART

TOT LOT	LOT NUMBER	ADDRESS
1	OPEN SPACE LOT 139	12153 LINDEN LITHICUM LANE
2	OPEN SPACE LOT 280	5866 INDIAN SUMMER DRIVE
4	OPEN SPACE LOT 82	6062 ASCENDING MOON PATH

SHEET INDEX

DESCRIPTION	SHEET NO.
COVER SHEET	1 OF 5
TOT LOT NO. 1 SITE PLAN AND SEDIMENT CONTROL PLAN	2 OF 5
TOT LOT NO. 2 SITE PLAN AND SEDIMENT CONTROL PLAN	3 OF 5
TOT LOT NO. 4 SITE PLAN AND SEDIMENT CONTROL PLAN	4 OF 5
SITE AND SEDIMENT CONTROL DETAILS	5 OF 5

OWNER / DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT, CO.
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

THE COLUMBIA ASSOCIATION
10221 WINGOPIN CIRCLE, SUITE 100
COLUMBIA, MARYLAND 21844-3410

SUBDIVISION NAME	VILLAGE OF RIVER HILL	SECTION/AREA	4/5, 4/4, 4/1 PHASE 2	LOTS/PARCELS	139, 280, & 82
PLAT NO.	12693, 12856 13288, 12851	GRID NO.		ZONE	NT
TAX MAP NO.	35	ELECTION DIST.	5TH	CENSUS TRACT	6055.01
WATER CODE		SEWER CODE			

CLARK · FINEFROCK & SACKETT, INC.
ENGINEERS · PLANNERS · SURVEYORS
7135 MINSTREL WAY · COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH.



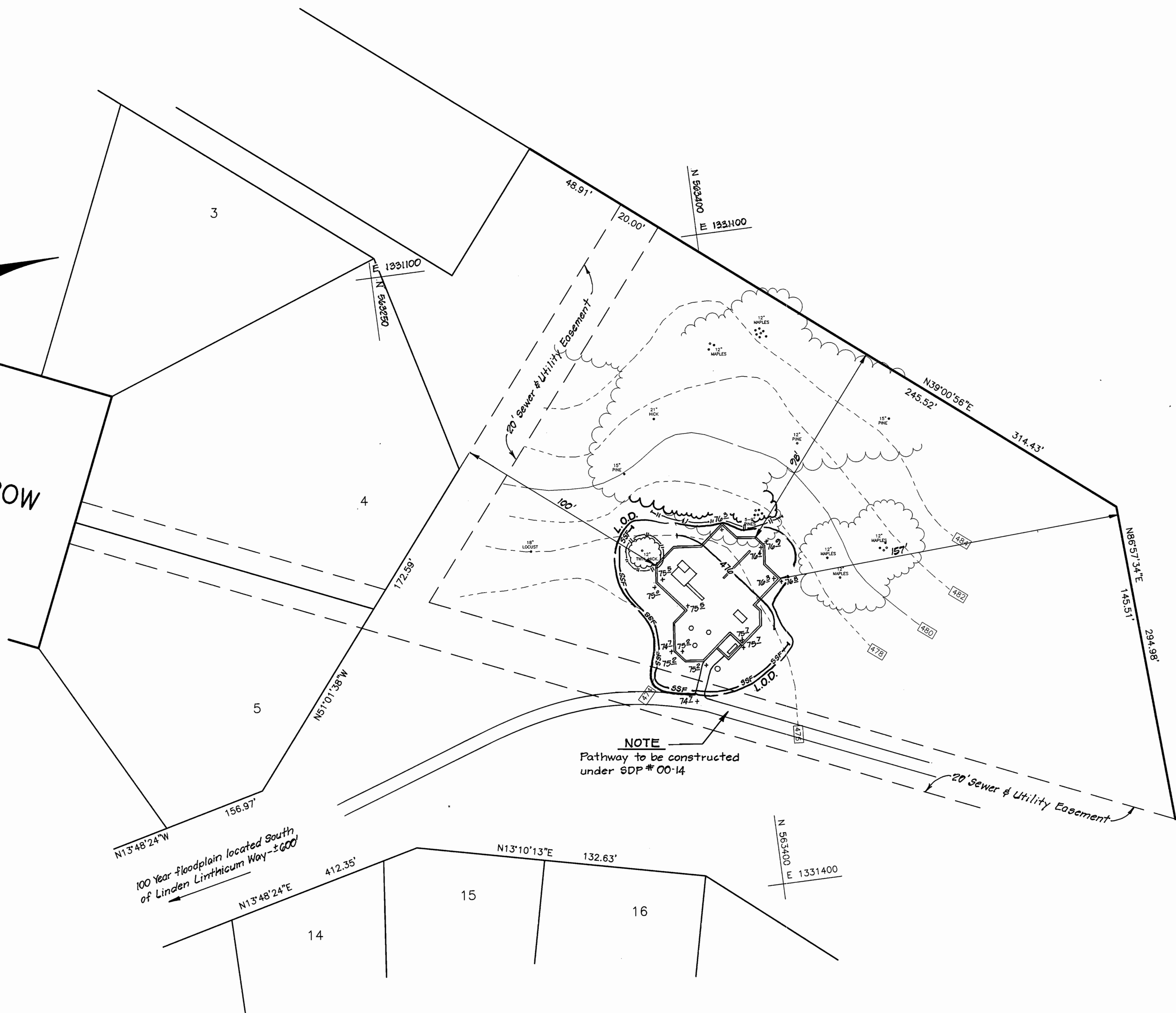
DESIGNED	SITING DEVELOPMENT FOR TOT LOTS 1, 2, AND 4	SCALE
DRAWN		AS SHOWN
CHECKED	SECTION 4 AREA 1, AREA 4 AND AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING
DATE		JOB NO.
FOR: THE COLUMBIA ASSOCIATION 10221 Wingopin Circle, Suite 100 Columbia, Maryland 21044 Phone: 410-381-0383		FILE NO.
9-14-01		00-118-x

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 8-23-01

APPROVED: DEPARTMENT OF PLANNING & ZONING

<i>[Signature]</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	10/11/01 DATE
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT	10/15/01 DATE
<i>[Signature]</i> DIRECTOR	10/18/01 DATE

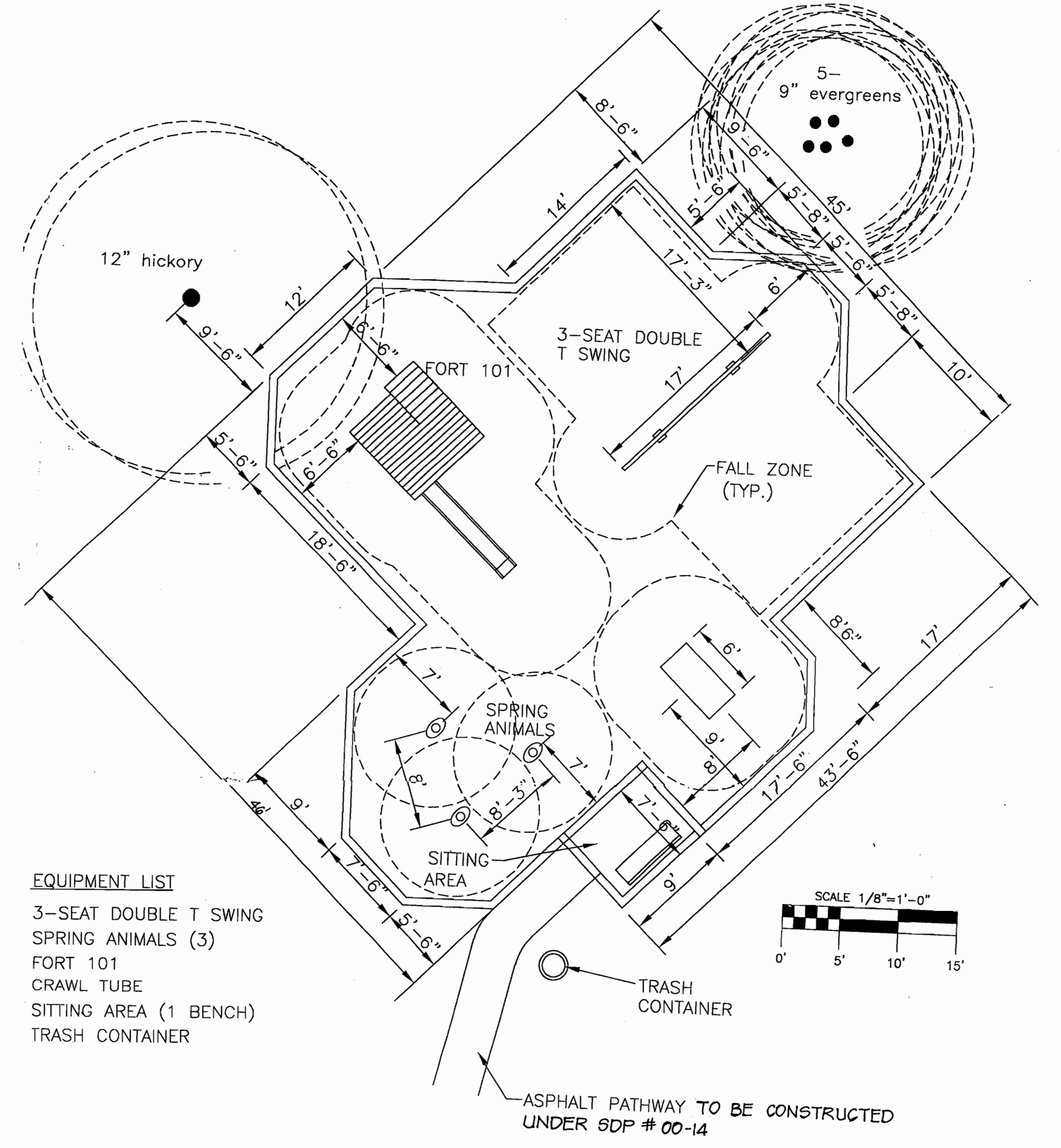
LITTLE BELLS ROW



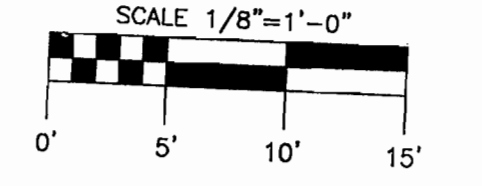
NOTE
Pathway to be constructed under SDP # 00-14

100 Year Floodplain located South of Linden Linnicum Way - 360'

SITE ANALYSIS	
ZONE	NT OPEN SPACE
OPEN SPACE LOT #	130
TOTAL LOT AREA	2.1 Ac.
DISTURBED AREA	0.12 Ac.
IMPERVIOUS AREA	0
PERMEABLE AREA	0.12 Ac.
AREA TO BE VEGETATIVELY STABILIZED	0.07 Ac.
MULCHED AREA	0.05 Ac.
TOTAL CUT	130 CY
TOTAL FILL	130 CY
TOTAL SPOIL/BORROW	0



- EQUIPMENT LIST**
 3-SEAT DOUBLE T SWING
 SPRING ANIMALS (3)
 FORT 101
 CRAWL TUBE
 SITTING AREA (1 BENCH)
 TRASH CONTAINER



ASPHALT PATHWAY TO BE CONSTRUCTED UNDER SDP # 00-14

OWNER / DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT, CO.
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044

THE COLUMBIA ASSOCIATION
 10221 WINCOPIN CIRCLE, SUITE 100
 COLUMBIA, MARYLAND 21844-3410

APPROVED: DEPARTMENT OF PLANNING & ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 10/15/01

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 8-23-01

Reviewed for HOWARD S.C.D.
 and meets Technical Requirements
 Signature: *[Signature]* Date: 10/10/01
 U.S. Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *[Signature]* Date: 10/10/01
 Approved

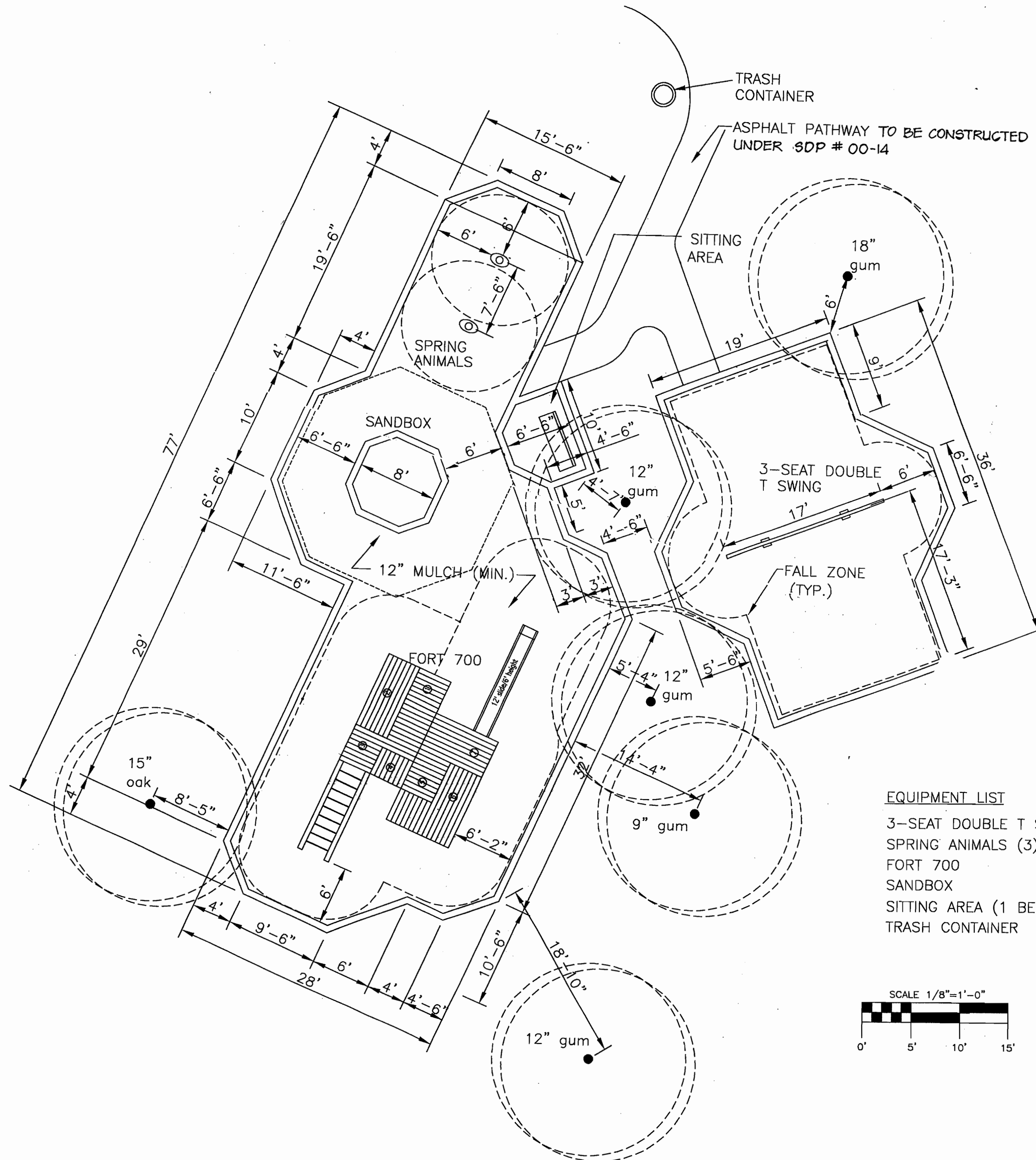
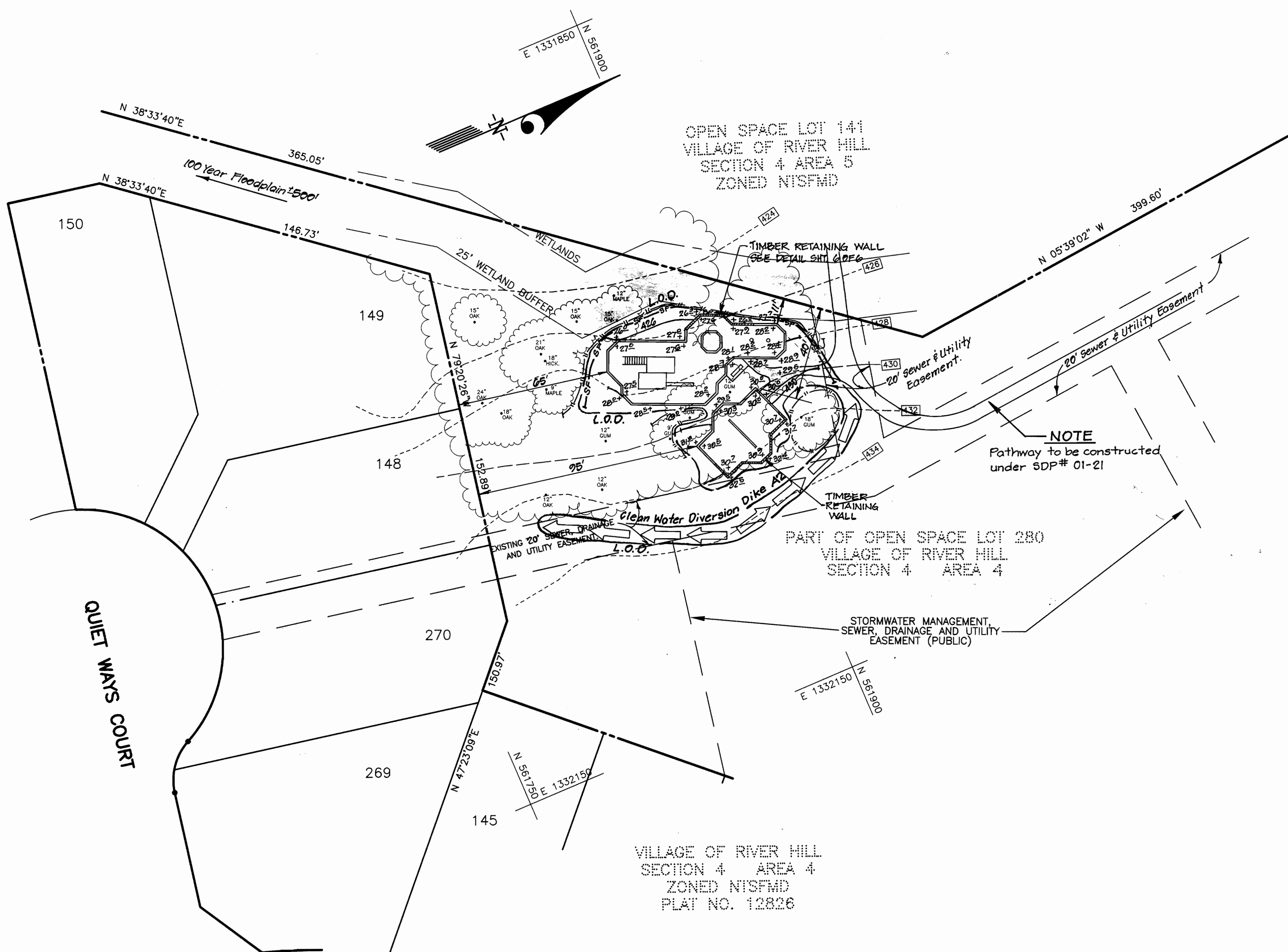
DEVELOPER'S/BUILDER'S CERTIFICATE
 "I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department 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: *[Signature]* (Dennis A. Ellis) Date: 9/25/01
 NAME 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: *[Signature]* G. NELSON CLARK Date: 9-25-01
 NAME DATE

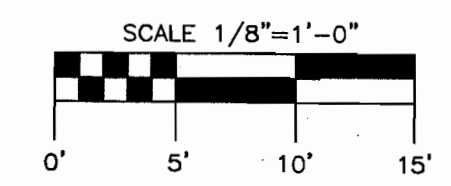


CLARK · FINEFROCK & SACKETT, INC. ENGINEERS · PLANNERS · SURVEYORS 7135 MINSTREL WAY · COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH.		
DESIGNED DAR	SITE DEVELOPMENT PLAN AND SEDIMENT EROSION CONTROL PLAN TOT LOT 1 VILLAGE OF RIVER HILL SECTION 4 AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN ZAH		DRAWING 2 of 5
CHECKED DAR		JOB NO. 00-118
DATE 3-18-01	FOR: THE COLUMBIA ASSOCIATION 10221 Wincopin Circle, Suite 100 Columbia, Maryland 21844-3410 Phone: 410-381-0383	FILE NO. 00-118-X

SDP01118



- EQUIPMENT LIST**
- 3-SEAT DOUBLE T SWING
 - SPRING ANIMALS (3)
 - FORT 700
 - SANDBOX
 - SITTING AREA (1 BENCH)
 - TRASH CONTAINER



SITE ANALYSIS	
ZONE	NT OPEN SPACE
OPEN SPACE LOT #	280
TOTAL LOT AREA	2.5 Ac.
DISTURBED AREA	0.19 Ac.
IMPERVIOUS AREA	0
PERMEABLE AREA	0.19 Ac.
AREA TO BE VEGETATIVELY STABILIZED	0.12 Ac.
MULCHED AREA	0.07 Ac.
TOTAL CUT	105 CY.
TOTAL FILL	105 CY.
TOTAL SPOIL/BORROW	0

OWNER / DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT, CO.
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044

THE COLUMBIA ASSOCIATION
 10221 WINCOPIN CIRCLE, SUITE 100
 COLUMBIA, MARYLAND 21844-3410

APPROVED: DEPARTMENT OF PLANNING & ZONING

Signature: *Cindy Hamilton*
 DATE: 10/18/01

Signature: *[Signature]*
 DATE: 10/18/01

APPROVED
 PLANNING BOARD
 of HOWARD COUNTY

DATE: 8-22-01

Reviewed for HOWARD S.C.D.
 and met Technical Requirements
 Signature: *[Signature]* Date: 10/18/01
 U.S. Natural Resources Conservation Service

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

Signature: *[Signature]*
 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: *[Signature]* NAME: DENNIS A. BEUS DATE: 9/25/01

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: *[Signature]* G. NELSON CLARK DATE: 9-25-01



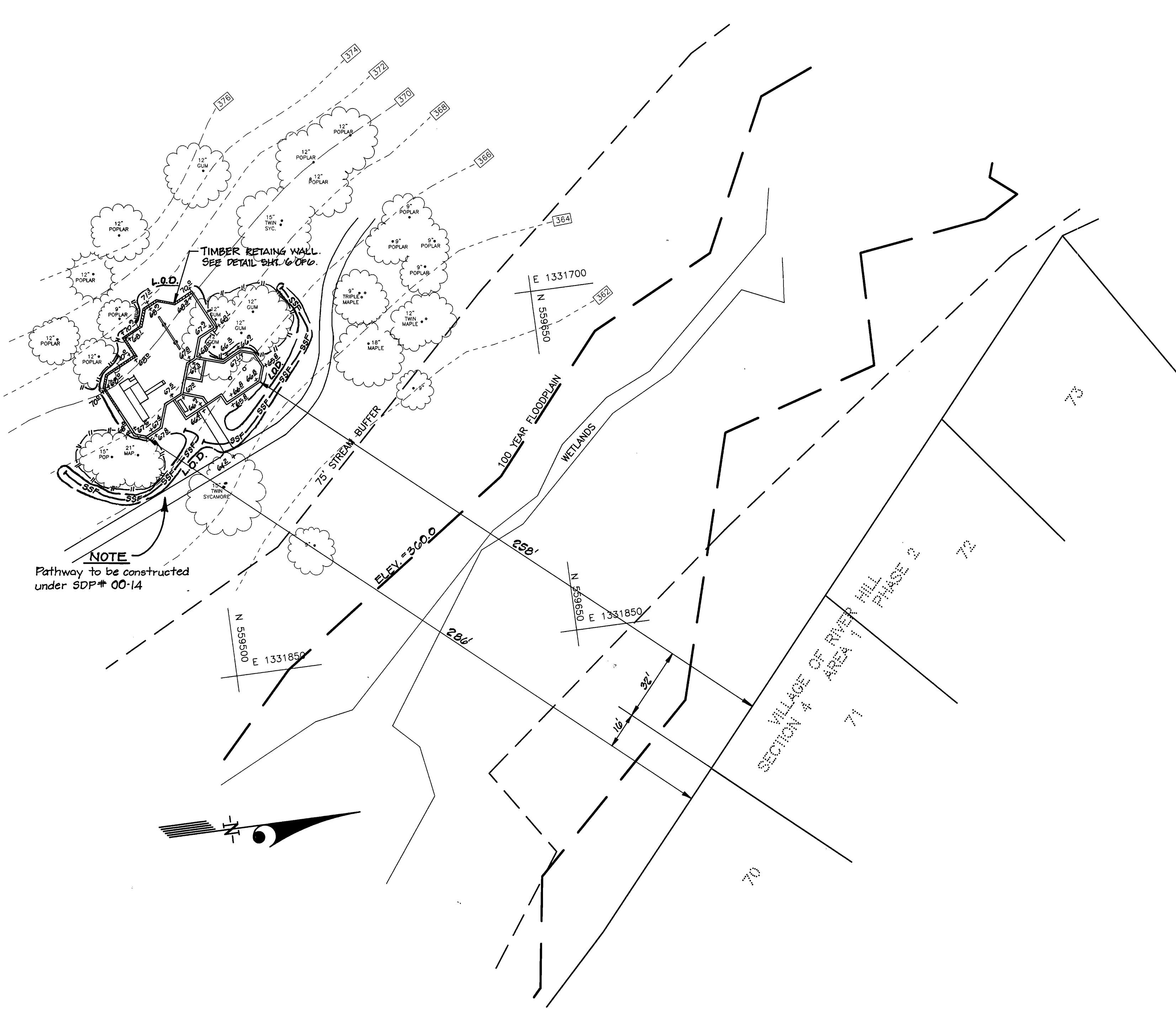
CLARK · FINEFROCK & SACKETT, INC.
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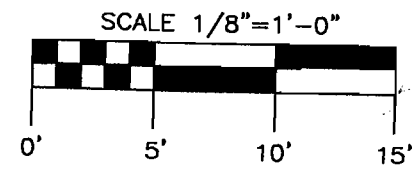
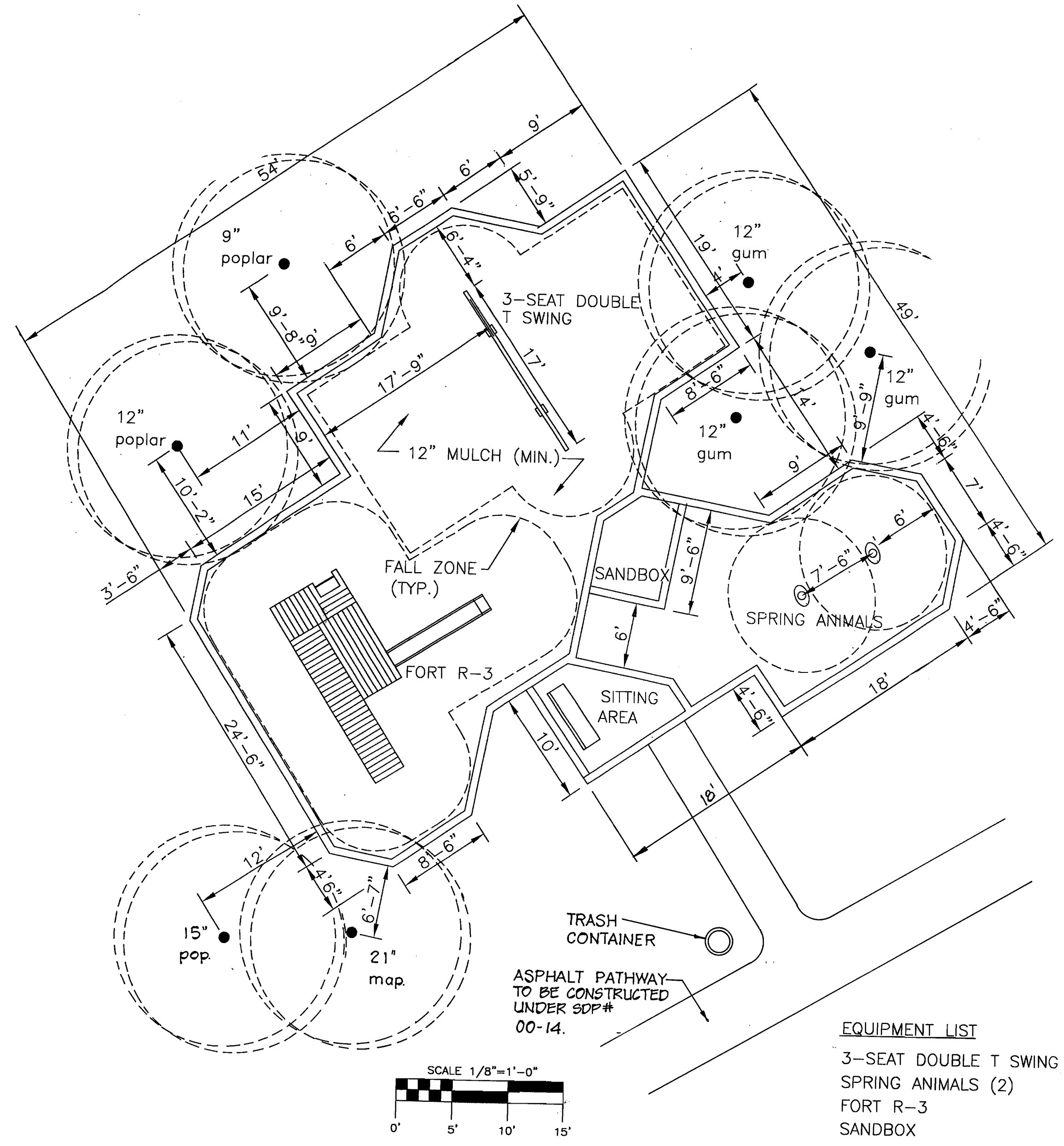
DESIGNED DAR	SITE DEVELOPMENT PLAN AND SEDIMENT EROSION CONTROL PLAN TOT LOT 2 VILLAGE OF RIVER HILL SECTION 4 AREA 4 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN ZAH		DRAWING 3 of 5
CHECKED DAR		JOB NO. 00-118
DATE 9-18-01		FILE NO. 00-118-X

FOR: THE COLUMBIA ASSOCIATION
 10221 Wincopin Circle, Suite 100
 Columbia, Maryland 21844-3410
 Phone: 410-381-0383

SDP 01-118



NOTE
Pathway to be constructed under SDP# 00-14



- EQUIPMENT LIST**
- 3-SEAT DOUBLE T SWING
 - SPRING ANIMALS (2)
 - FORT R-3
 - SANDBOX
 - SITTING AREA (1 BENCH)
 - TRASH CONTAINER

SITE ANALYSIS	
ZONE	NT OPEN SPACE
OPEN SPACE LOT #	82
TOTAL LOT AREA	41.6 Ac.
DISTURBED AREA	0.10 Ac.
IMPERVIOUS AREA	0
PERMEABLE AREA	0.10 Ac.
AREA TO BE VEGETATIVELY STABILIZED	0.05 Ac.
MULCHED AREA	0.05 Ac.
TOTAL CUT	130 CY.
TOTAL FILL	130 CY.
TOTAL SPOIL/BORROW	0

APPROVED: DEPARTMENT OF PLANNING & ZONING

 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE 10/11/01

 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE 10/19/01

 DIRECTOR
 DATE 10/18/01

APPROVED
PLANNING BOARD
of HOWARD COUNTY

DATE 8-23-01

Reviewed for HOWARD S.C.D. and its Technical Requirements
 Signature: *John M. Nelson*
 Title: Director
 Date: 9/25/01

US Natural Resources Conservation Service

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

Signature: *John M. Nelson*
 Approved
 DATE 9/25/01

DEVELOPER'S/BUILDER'S CERTIFICATE

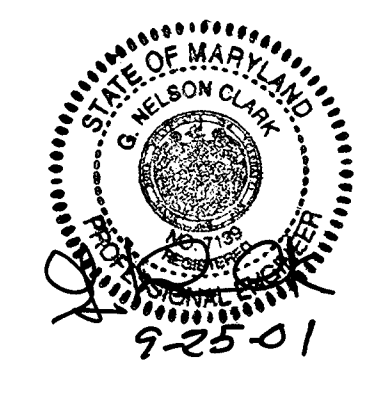
I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training 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: *John M. Nelson*
 NAME: (DEVELOPER)
 DATE: 9/25/01

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: *G. Nelson Clark*
 DATE: 9-25-01
 G. NELSON CLARK

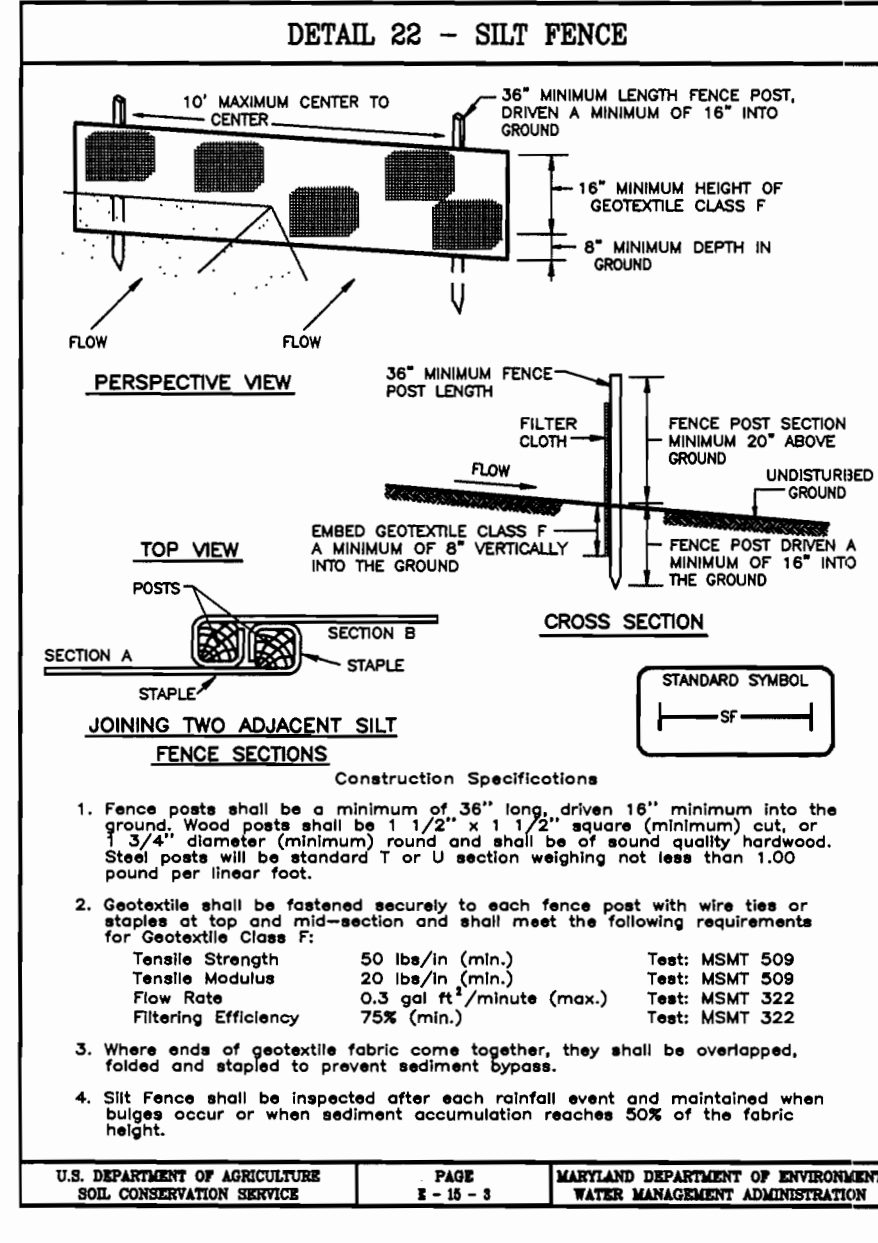
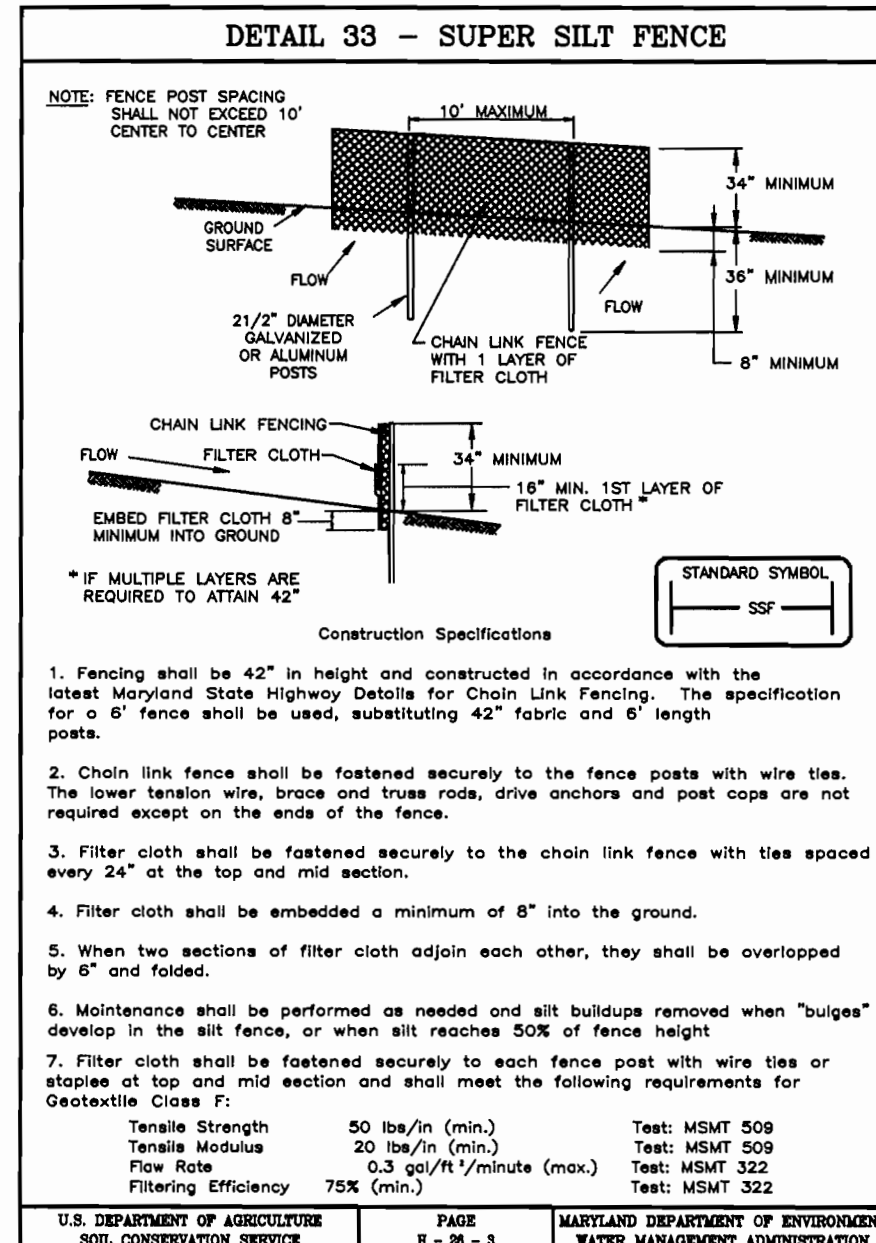
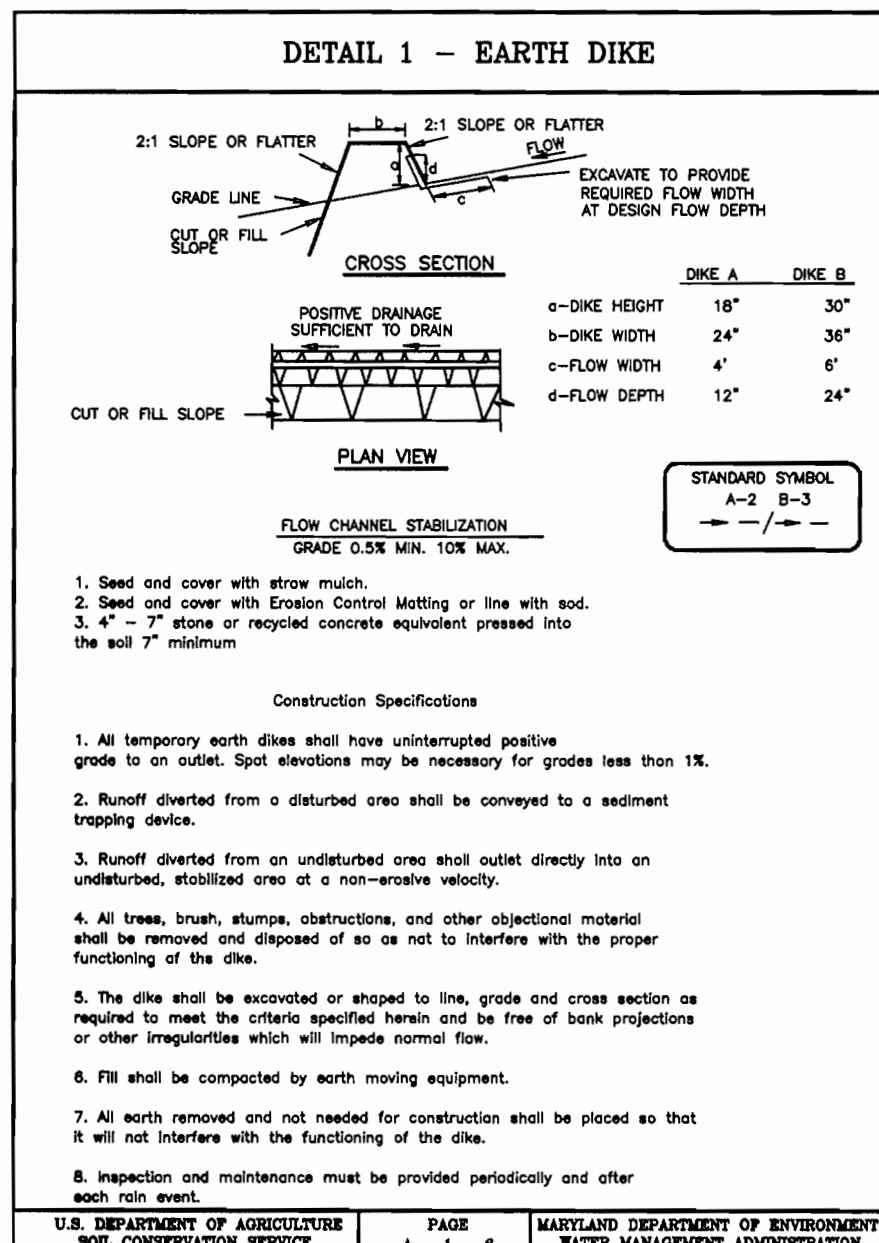


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 ENGINEERS · PLANNERS · SURVEYORS

7135 MINSTREL WAY · COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH.

DESIGNED DAR	SITE DEVELOPMENT PLAN AND SEDIMENT EROSION CONTROL PLAN TOT LOT 4 VILLAGE OF RIVER HILL SECTION 4, AREA 1, PHASE 2 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN ZAH		DRAWING 4 of 5
CHECKED DAR		JOB NO. 00-118
DATE 9-23-01		FILE NO. 00-118-X
FOR: THE COLUMBIA ASSOCIATION 10221 Wincopin Circle, Suite 100 Columbia, Maryland 21044-3410 Phone: 410-381-0383		

SDP 01-118



21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose

To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

1. This practice is limited to areas having 2:1 or flatter slopes where:
 - a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - c. The original soil to be vegetated contains material toxic to plant growth.
 - d. The soil is so acidic that treatment with limestone is not feasible.
2. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for erosion stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

1. Topsoil salvaged from the existing site may be used provided that it meets the standards set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type is found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
2. Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - i. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2" in diameter.
 - ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
 - iii. Where the subsoil is either highly acidic or composed of heavy clay, ground limestone shall be spread at the rate of 4 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Limestone shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

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, disking 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 500 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 ureform fertilizer (9 lbs/1000 sq.ft.)
- 2) Acceptable-Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and apply 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 60 lbs. 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 15 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 untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 216 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.

SEDIMENT AND EROSION CONTROL NOTES

1. A minimum of 48-hour notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (315-1850).
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto. 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 on all other disturbed or graded areas on the project site.
3. All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with 16A.1, Chapter 6, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
4. All disturbed areas must be stabilized within the time period specified above, in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings, sod, temporary seeding and mulching (Sec 6).
5. Temporary stabilization with mulch alone can only be done when recommended seeding rates do not allow for proper germination and establishment of grasses.
6. 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.
7. **SITE ANALYSIS:**

Total Area of Site:	65.0 Acres
Area Disturbed:	0.01 Acres
Area to be roofed or paved:	0.00 Acres
Area to be vegetatively stabilized:	0.06 Acres
Total Cut:	455.07
Offsite Wash/Borrow Area Location:	
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
10. 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.
11. Trenches for the construction of utilities shall be backfilled and stabilized within one working day, or is limited to three pipe lengths.
12. The total amount of earth dike = 296 LF
13. The total amount of super silt fence = 324 LF
14. The total amount of super diversion fence = 328 LF

* It is the responsibility of the contractor to identify the spill/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.

TEMPORARY SEEDING NOTES

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

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

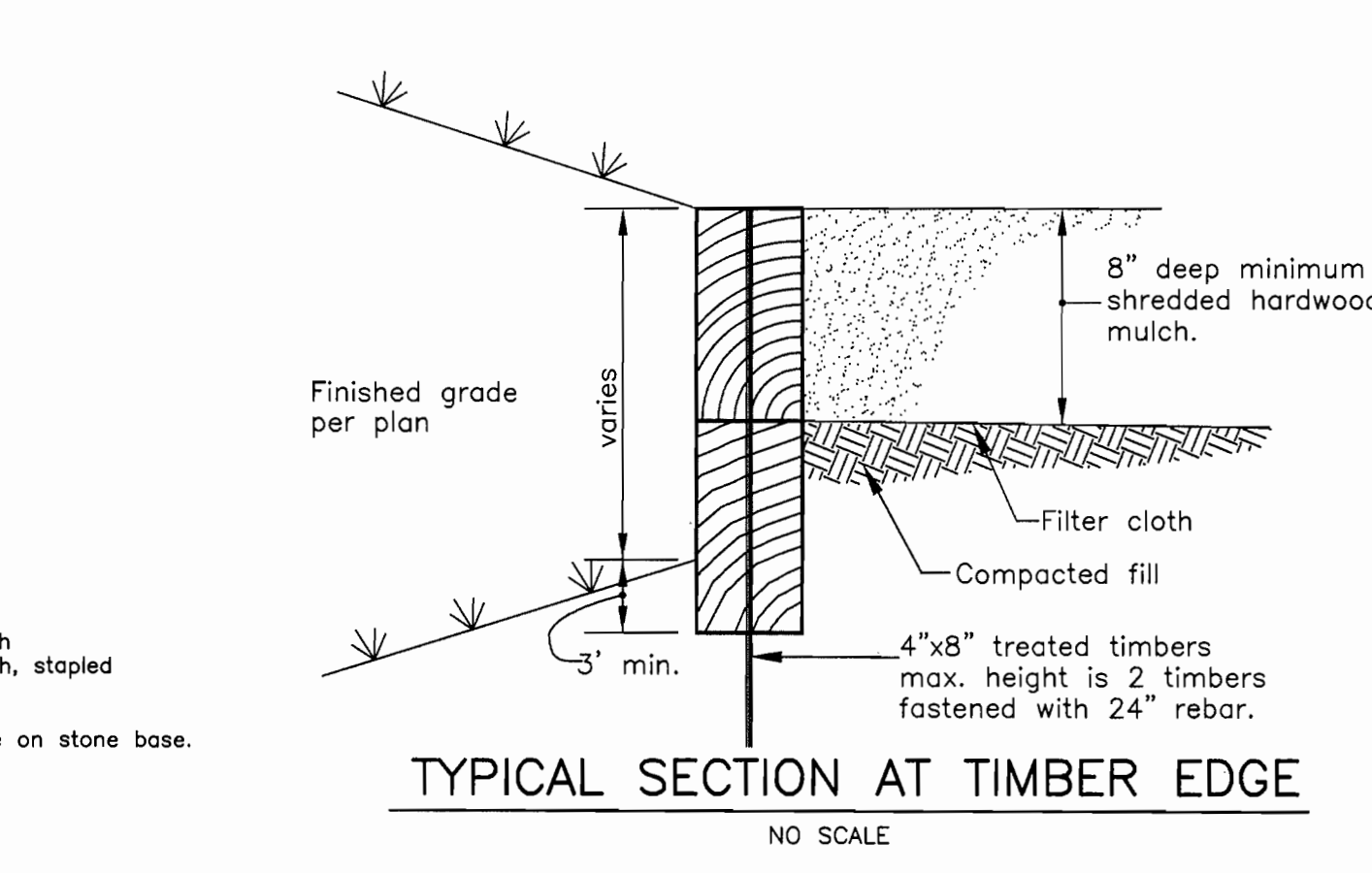
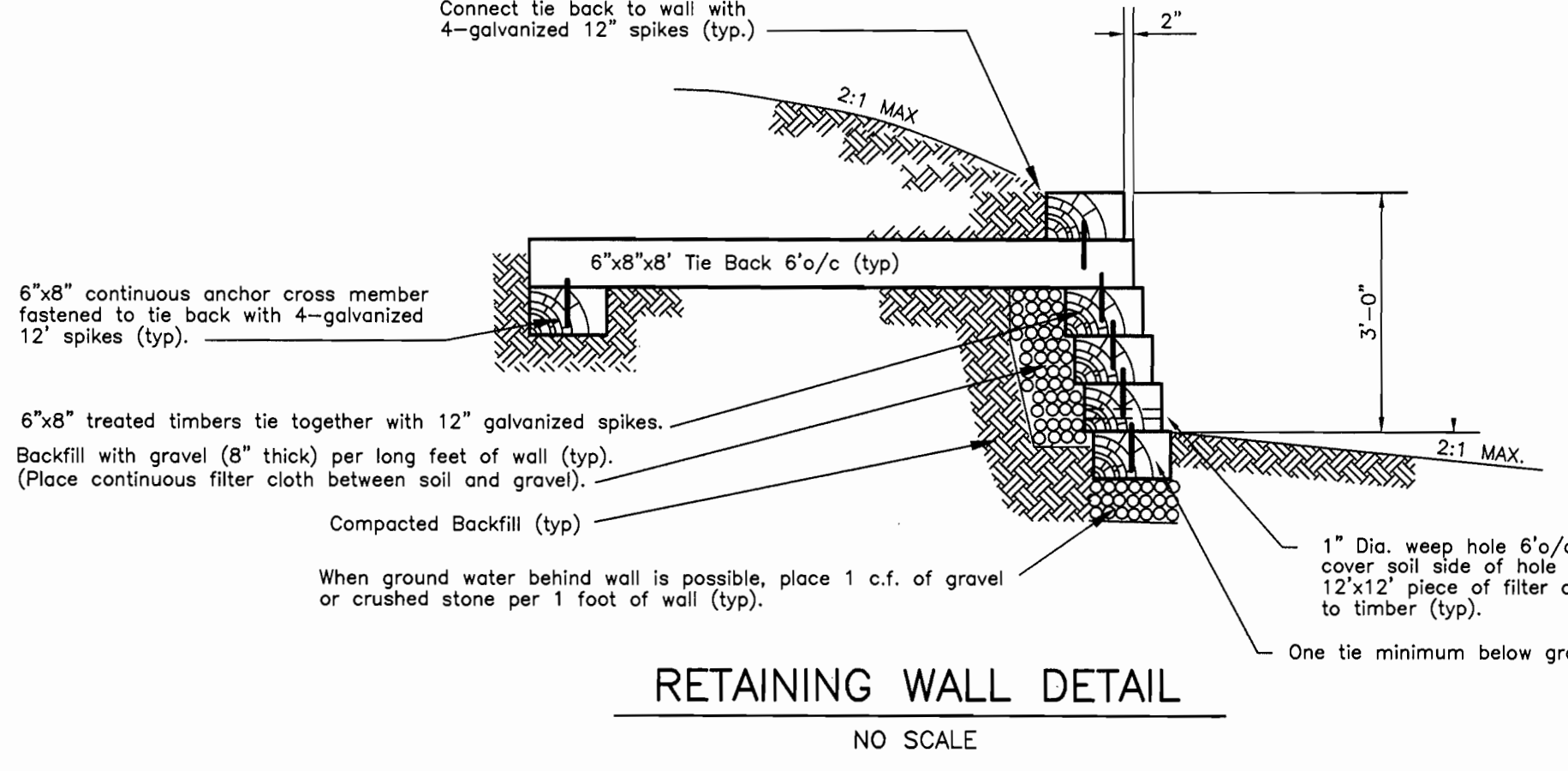
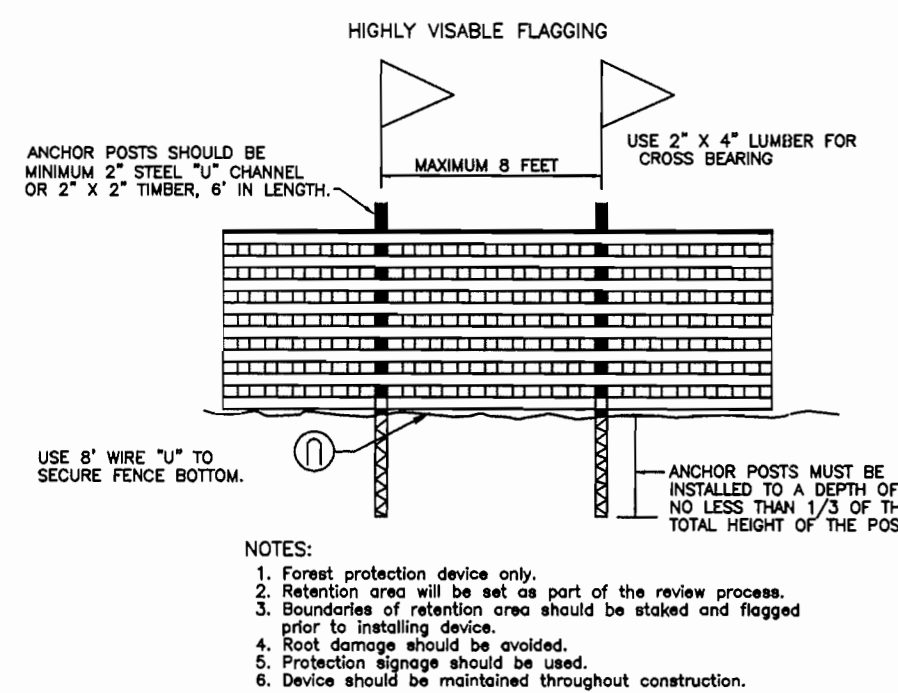
SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (3.2 lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq.ft.). For the period November 1 thru February 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 untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 216 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

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.	7
4. Excavate for foundations, rough grade and temporarily stabilize.	30
5. Construct structures, sidewalks and driveways.	60
6. Final grade, install Erosion Control Matting and stabilize in accordance with standards and specifications.	14
7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7



APPROVED: DEPARTMENT OF PLANNING & ZONING

CHIEF DEVELOPMENT ENGINEERING DIVISION

CHIEF DIVISION OF LAND DEVELOPMENT

DATE: 8-23-01

Reviewed for HOWARD S.C.D. and meets Technical Requirements and meets Signature Date U.S. Natural Resources Conservation Service

Signature: John M. ... Date: 10/10/01

Signature: John M. ... Date: 10/10/01

Approved

DEVELOPER'S/BUILDER'S CERTIFICATE

"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: Denise A. Ellis Date: 3/14/01

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: G. Nelson Clark Date: 3-13-01

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

7135 MINSTREL WAY · COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH.

DESIGNED	PAC	SEDIMENT CONTROL DETAILS	TOT LOTS 1,2 & 4	SCALE	1" = 30'
DRAWN	ZAH	VILLAGE OF RIVER HILL		DRAWING	5 of 5
CHECKED		SECTION 4, AREA 1, AREA 4 AND AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND		JOB NO.	00-118
DATE	3-13-01	FOR: THE COLUMBIA ASSOCIATION 10221 Wincopin Circle, Suite 100 Columbia, Maryland 21044 Phone: 410-381-0383		FILE NO.	00-118-X

(#7)F:/drawings/vorh/tot-lot-details