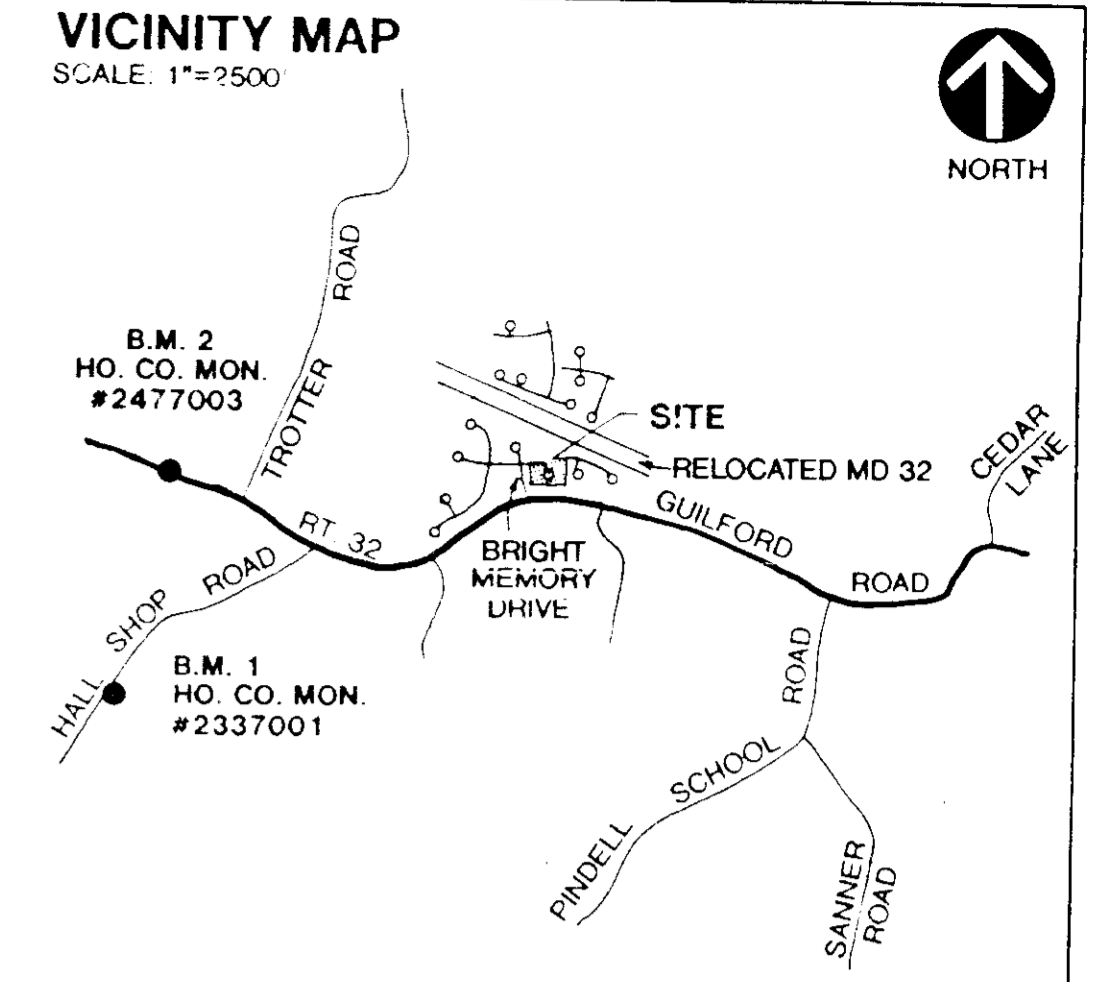


Lot #	Lot Area (S.F.)	Coverage Allowed (30%) (S.F.)	Model Shown	House Coverage (S.F.)	Additional Coverage For Options (S.F.)
109	5,093	1,528	1700	1,400	128
110	6,040	1,812	2500-42	1,609	203
111	11,462	3,438	2700	2,142	1,296
112	7,802	2,367	2500-42	1,609	758
113	6,762	2,028	2338	1,984	44
114	11,173	3,352	2300	1,855	1,497
115	6,933	2,080	2500-42	1,609	471
116	6,597	1,979	C-92	1,487	492
117	6,175	1,852	BR	1,501	351
118	9,453	2,836	BR	1,501	1,335
119	6,708	2,012	2500	1,545	467
120	5,977	1,798	C-92	1,400	397
121	6,158	1,847	1700	1,487	312
122	6,495	1,948	C-92	1,487	461
123	8,701	2,610	2500-44	1,673	937

Lot #	Min. Sewerable Elevation	Sewer Invert At Property Line	Basmt. Slab Elevation Provided
109	435.00	430.60	441.50
110	434.10	429.62	440.00
111	433.60	428.62	443.33
112	442.00	437.24	448.33
113	447.00	441.95	452.00
114	448.00	441.93	454.00
115	450.50	446.56	453.00
116	446.30	441.45	451.00
117	446.00	441.16	453.50
118	453.00	442.50	457.87
119	451.40	442.60	455.00
120	449.20	441.41	452.00
121	447.00	438.78	454.67
122	443.00	439.73	446.00
123	436.50	431.64	443.30

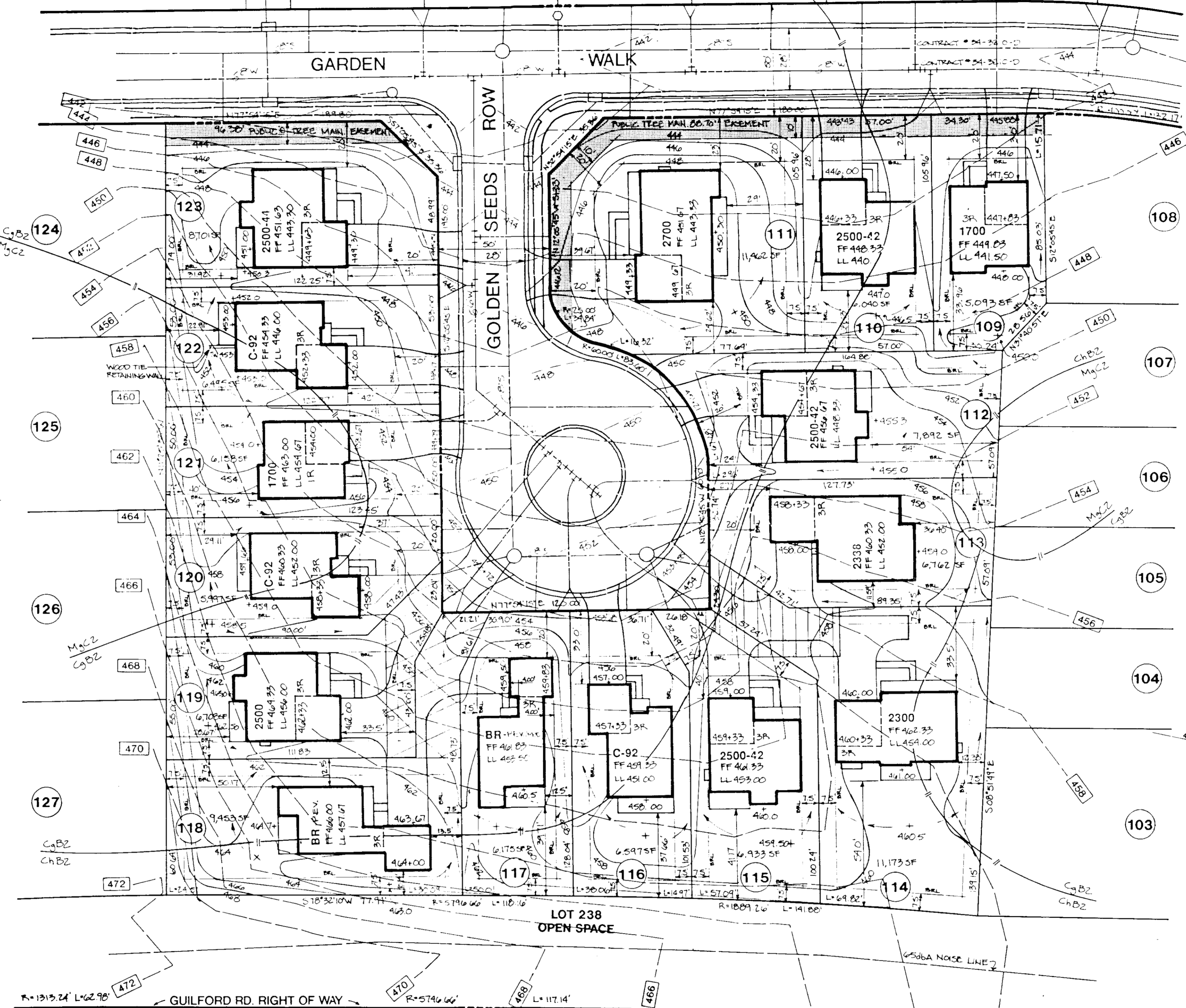
Lot #	Street Address
109	7049 Garden Walk
110	7053 Garden Walk
111	7001 Golden Seeds Row
112	7005 Golden Seeds Row
113	7009 Golden Seeds Row
114	7013 Golden Seeds Row
115	7017 Golden Seeds Row
116	7021 Golden Seeds Row
117	7025 Golden Seeds Row
118	7030 Golden Seeds Row
119	7016 Golden Seeds Row
120	7012 Golden Seeds Row
121	7008 Golden Seeds Row
122	7004 Golden Seeds Row
123	7000 Golden Seeds Row



GENERAL NOTES

- The subject property is zoned NT.
- The coordinates shown herein are based on the Maryland State Grid system and derived from the following Howard County Control Stations 2477003 and 2337001.
- All roadways are public and are existing.
- Total area included in this submission is 111,639 S.F. or 2.56 AC.
- Total number of lots is 15.
- Any damage to county-owned right-of-way shall be corrected at the developer's expense.
- Reference plane: Plat 10996, Liber 2992, Folio 704, F. 93-81, P. 92-45, S. 91-03, Contract No. 34-3210-D.
- The contractor or developer shall contact the construction/inspection survey division 24 hours in advance of commencement of work at 313-1880.
- Topographic information provided by DMW field survey dated September 1993.
- All road construction, storm drainage facilities, and public water and sewer are shown for reference only. Use approved plans for all phases of construction.
- All work shall be performed in accordance with the latest version of Howard County Standards, Specifications, and Details for Construction.
- All driveway entrances shall be constructed in accordance with Howard County Standard Detail R-6-03 and R-6-05.
- Open space Lot 238 is to be conveyed to Columbia Association.
- Decks, open or closed, may extend not more than 3 feet into a required front or rear yard. Bay windows, porches, vestibules, balconies, or chimneys not more than 10 feet in width may project not more than 4 feet into the setback area. Refer to FDP Phase 209, Part II for all setback provisions.
- Building Restrictions:
 - Front B.F. = 20 Feet
 - Side B.F. = 7.5 Feet
 - Rear B.F. = 7.5 Feet
 - Corner B.F. = 20 Feet
- Soils:

Soil Series	Hydro Class	W. Basements	Without Basements	Streets and Planning
Chert (Cg2)	B	Slight	Slight	Moderate Slopes
Chert (Ch2)	B	Slight	Slight	Moderate Slopes
Mar. (Mc2)	B	Moderate	Moderate	Severe Slopes
- The use in the common driveway easement for Lots 113, 114 & 115 is:
 - Liber 3294
 - Folio 511
- The use in the common driveway easement for Lots 117, 118, 119, 120 is:
 - Liber 3294
 - Folio 514
- Miss Utility Note:
 - Contractor to notify the following utilities or agencies at least five days before starting work shown on these drawings:
 - Miss Utility: 1-800-257-7777
 - CAP Telephone Company: 726-9976
 - Howard County Bureau of U. Gas: 313-6800
 - A/T & Cable Location Division: 393-3553
 - Baltimore Gas & Electric Company: 685-0123
 - State Highway Administration: 531-5533
- 65 Decibel Note:
 - The 65-dBA noise contour line represents the approximate location of the 65-dBA (decibel) noise exposure level generated by Maryland 32 traffic in the year 20 based upon assumptions about actual conditions at that time. This value represents the average sound level during the busiest one-hour period of vehicular traffic during a typical day. This calculation is based on the State Highway Administration's estimate of year 20 highway traffic volume. The contour line drawn on this plan is advisory, as required by Howard County Design Manual, Volume III, Chapter 5, revised February 1992, and cannot be considered to locate exactly the 65-dBA exposure.



SHEET NO.	SHEET TITLE
1 OF 4	SITE/GRADING PLAN
2 OF 4	LANDSCAPE PLAN
3 OF 4	SEDIMENT AND EROSION CONTROL PLAN
4 OF 4	SEDIMENT AND EROSION CONTROL DETAILS

FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

APPROVED: *[Signature]* DATE: 8/1/94

APPROVED: *[Signature]* DATE: 8/11/94

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

APPROVED: *[Signature]* DATE: 8/10/94

APPROVED: *[Signature]* DATE: 8/8/94

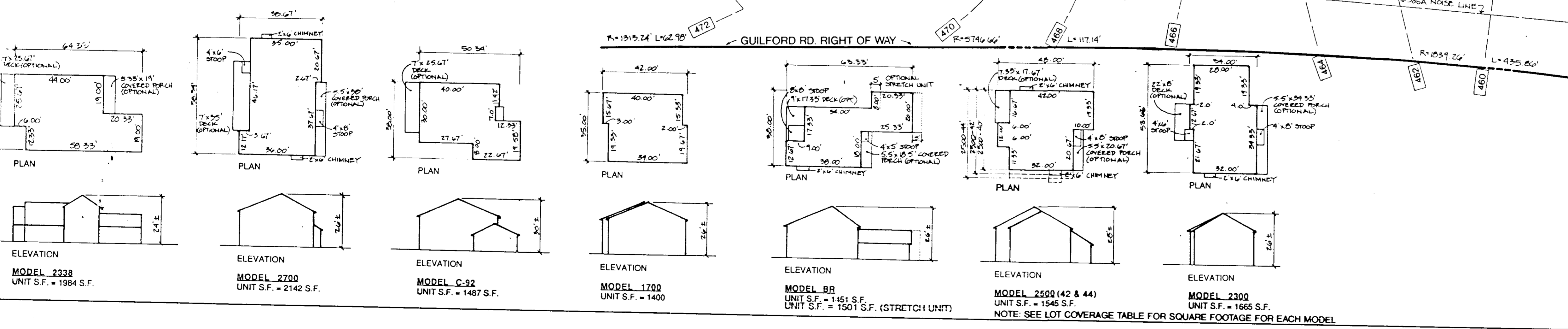
DATE: 7-13-94

REVISION DESCRIPTION:

VILLAGE OF RIVER HILL SECTION 2 AREA 2 PHASE 2 LOTS 109-123

OWNER / DEVELOPER

THE MARK BUILDING COMPANY
1301 YORK ROAD
LUTHERVILLE, MARYLAND 21093
(410) 356-5701



7-13-94 Date

Professional Engr. No. 10551

Professional Seal: STATE OF MARYLAND, CIVIL ENGINEER, JOHN W. WALKER, LICENSE NO. 10551

Scale 1"=30'

Date 12/28/93

Project No. 92032B

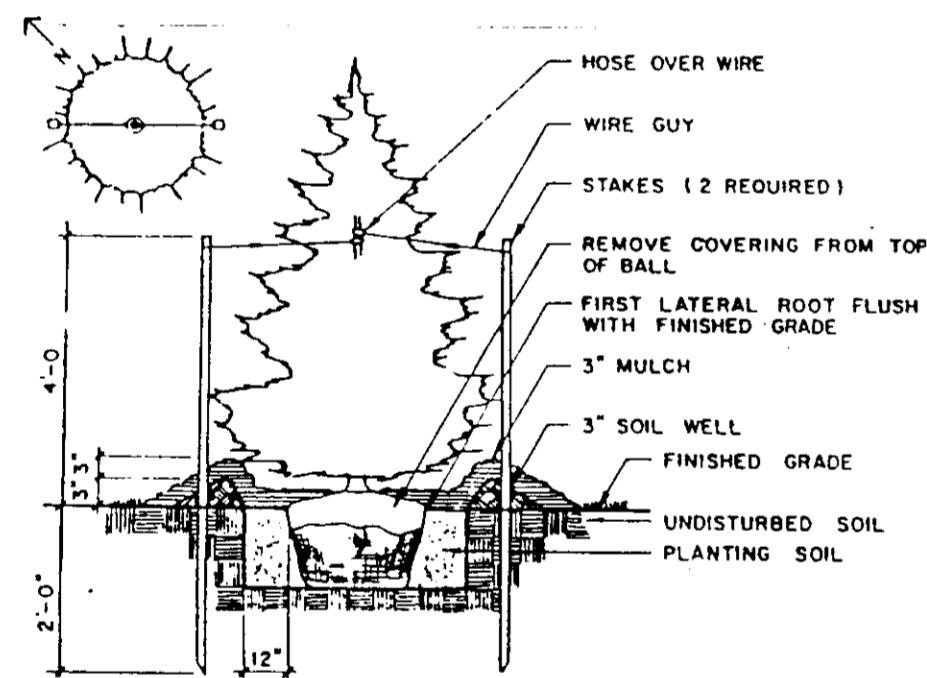
1 OF 4

PLANT LIST-TREES

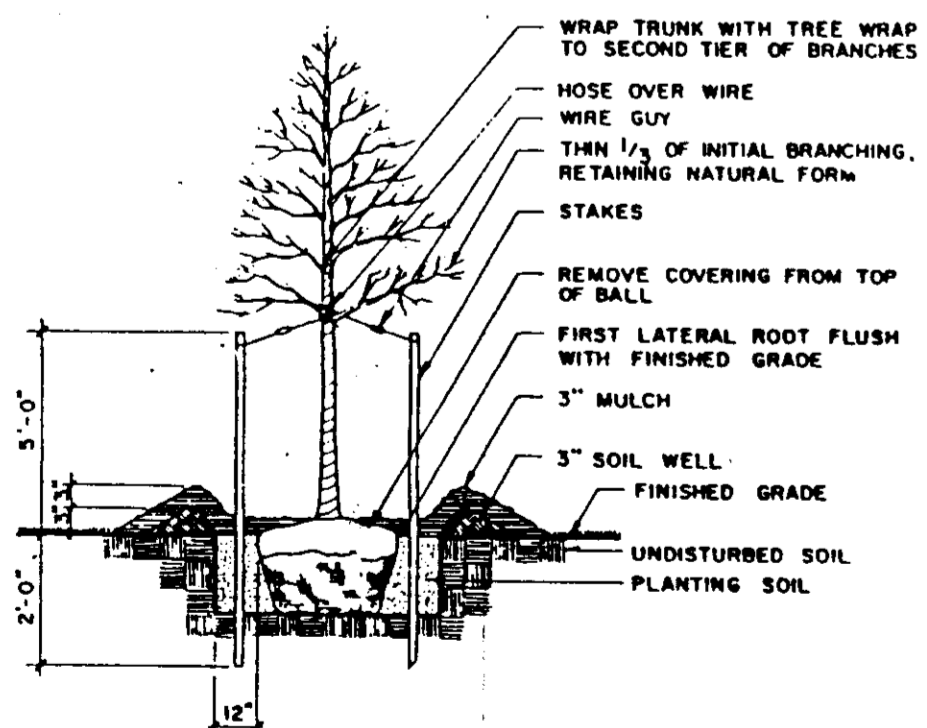
KEY	QUANT.	COMMON NAME	SIZE
(+)	23	PROPOSED STREET TREES BY OTHERS	
(⊕)	7	LONDON PLANE TREE	2.5'-3" CAL.
(⊙)	5	PIN OAK	2.5'-3" CAL.
(⊗)	8	RED SUNSET MAPLE	2.5'-3" CAL.
(⊖)	6	SWEET GUM	3'-3.5" CAL.
(⊕)	7	YOSHINO CHERRY	8'-10'
(⊕)	12	BRADFORD GALLERY PEAR	8'-10'
(⊙)	5	PURPLE LEAF PLUM	8'-10'
(⊖)	6	NORWAY SPRUCE	6'-8'
(⊖)	27	WHITE PINE	6'-8'
(⊖)	6	WHITE PINE	8'-10'
(⊖)	17	LEYLAND CYPRESS	6'-8'

PLANT LIST-SHRUBS

KEY	QUANT.	COMMON NAME	SIZE
S-1	6	COMPACT BURNING BUSH	30"-36"
S-2	7	LEATHERLEAF VIBURNUM	30"-36"
S-3	30	DENSIFORMIS YEW	24"-30"
S-4	20	HINO CRIMSON AZALEA	18"-24"
S-5	26	DELAWARE VALLEY WHITE AZALEA	18"-24"
S-6	34	COMPACT JAPANESE HOLLY	18"-24"
S-7	7	CHERRY LAUREL 'SCHIPKAENSIS'	24"-30"



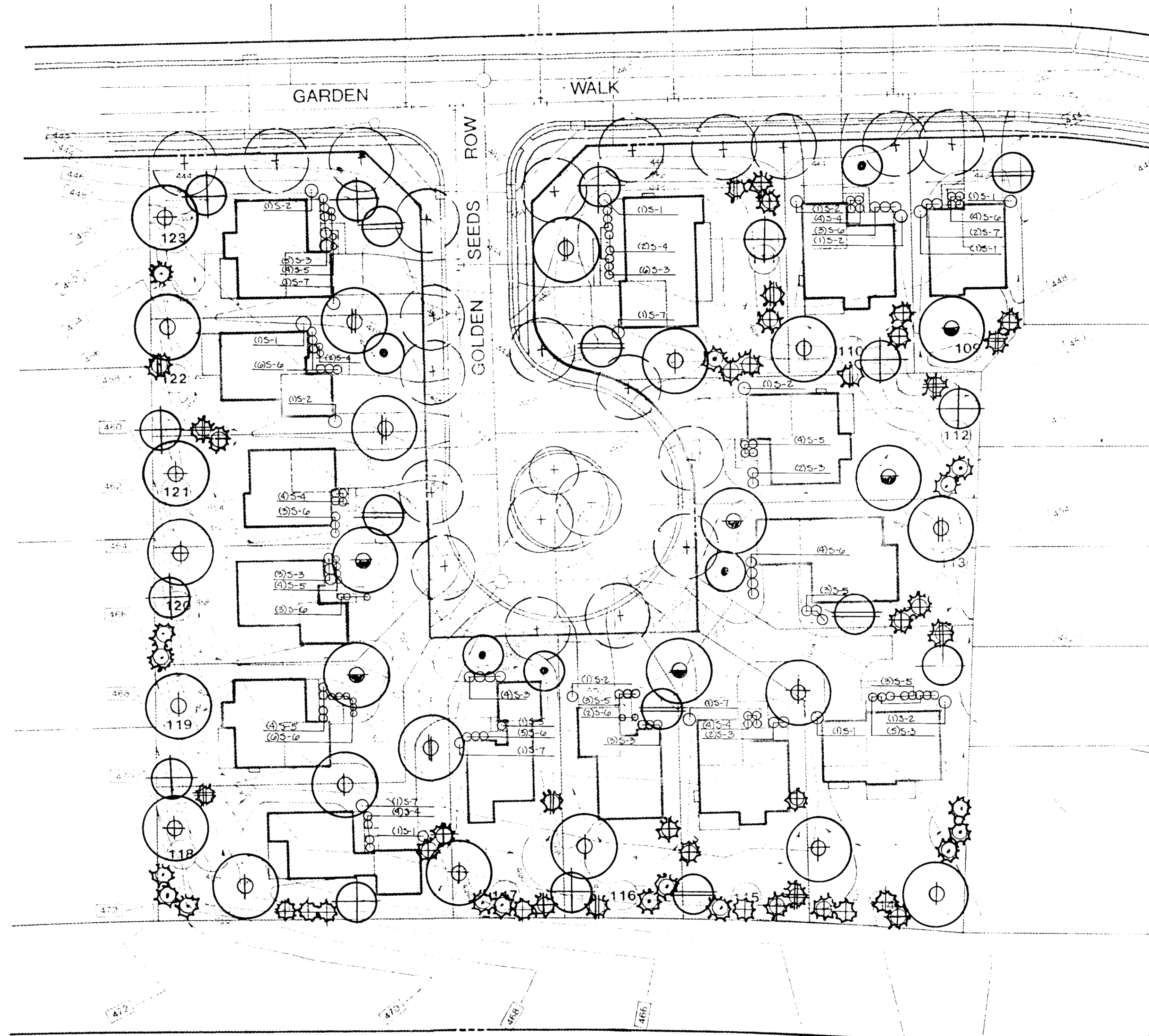
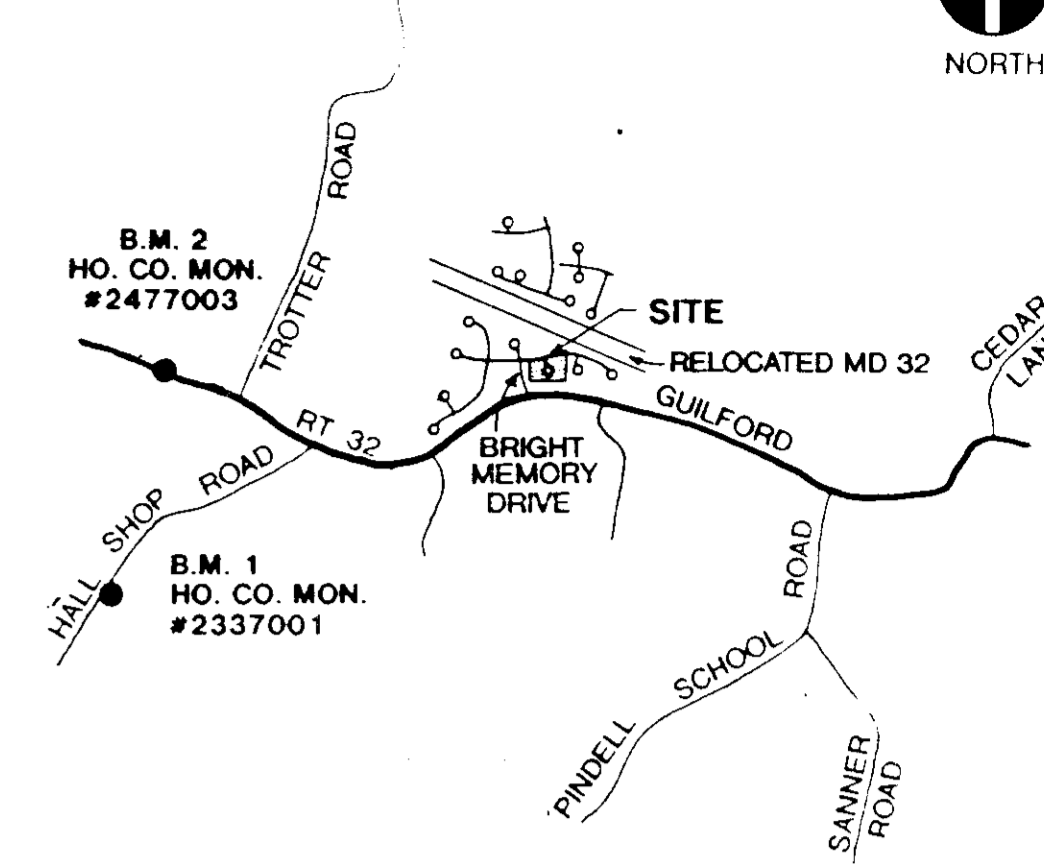
EVERGREEN TREE DETAIL



DECIDUOUS TREE DETAIL

NOTE: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE NEW TOWN ALTERNATIVE COMPLIANCE PROVISIONS OF SECTION 18.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.

VICINITY MAP
SCALE: 1"=2500'



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

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
DIRECTOR: *[Signature]* DATE: 8/1/94
CHIEF DIVISION OF LAND DEVELOPMENT & RESEARCH: *[Signature]* DATE: 8/11/94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC BEACHES
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *[Signature]* DATE: 8/2/94
CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 8/2/94

0 JUN 94 | SEP 94 115 COMMENTS MAY 23, 1994

Date	No.	Revision Description
		VILLAGE OF RIVER HILL SECTION 2 AREA 2 PHASE 2 LOTS 109-123 OWNER / DEVELOPER
		THE MARK BUILDING COMPANY 1301 YORK ROAD LUTHERVILLE, MARYLAND 21093 (410) 356-5701

DMW
Daft McCune Walker, Inc.
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
700 East Pennsylvania Avenue
Farmingdale, Maryland 21034
410 286 3333
Fax: 286 4705

SUBDIVISION NAME: VILL. OF RIVER HILL SECTION/AREA: SECTION 2 - AREA 2 LOT/PARCEL: 109-123
PLAT OR LTR. BLOCK #/ZONE: 1094-1099/115 DISTRICT: NT SEWER CODE: 6652500
ELECT. DISTRICT: 5111

7/12/94
Date

STATE OF MARYLAND
HOWARD COUNTY
LANDSCAPE MANUAL

Des By: Scale 1"=30' Proj. No. 92032B
Dwn By: Date 12/28/93
Chk By: Approved 2 OF 4

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING DRAINAGE AREA
- PROPOSED DRAINAGE AREA
- L.O.D. LIMIT OF DISTURBANCE
- S--- SILT FENCE
- SS--- SUPER SILT FENCE
- STONE CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE
- MOUNTABLE BERM

DEVELOPER'S CERTIFICATION:

I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY 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.

Larry Rosenberg
 LARRY ROSENBERG
 MARK BUILDING CO.
 8/1/94
 DATE

ENGINEER'S CERTIFICATION:

I 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.

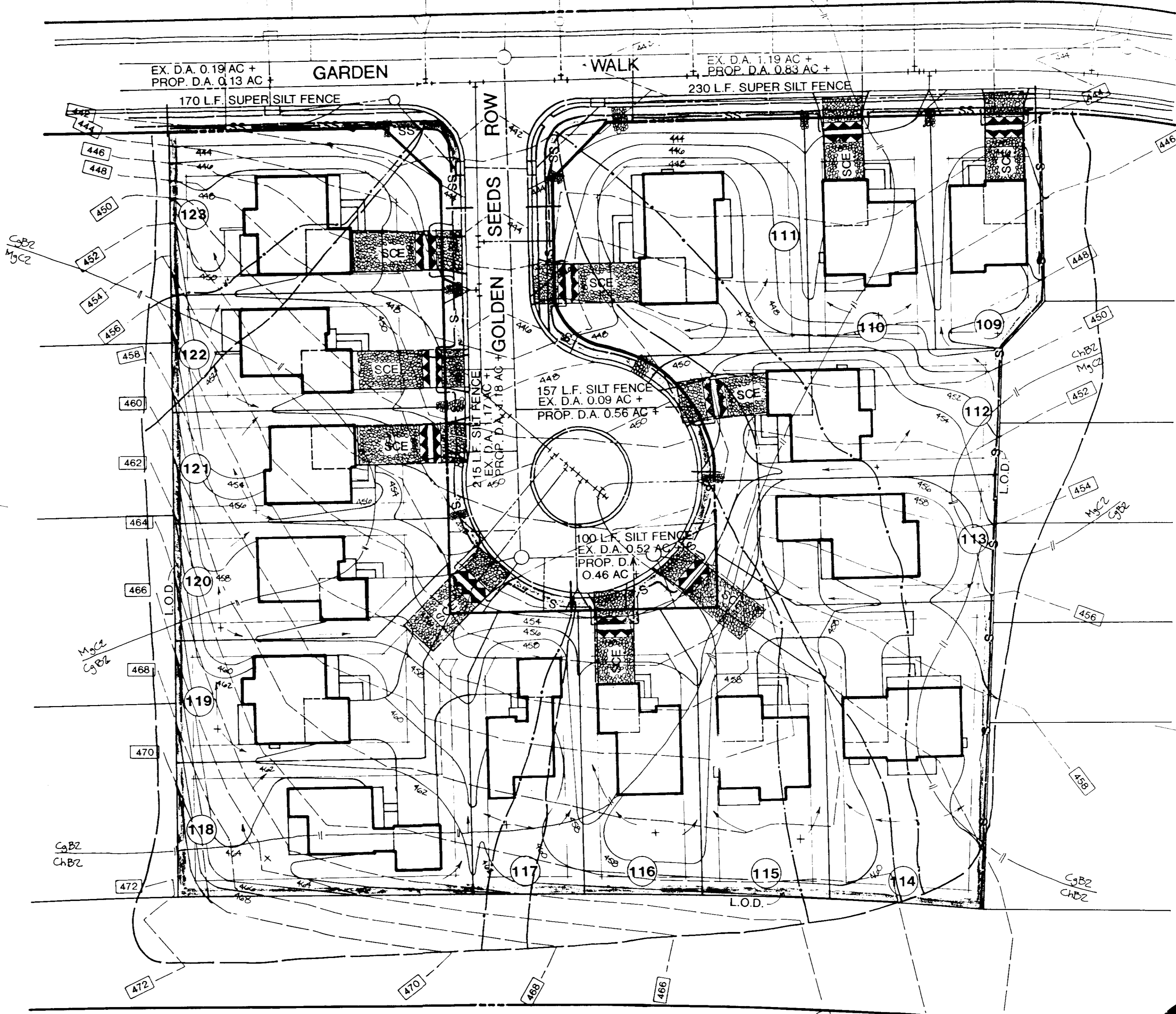
John Ranocchia
 JOHN RANOCCHIA, PE 10551
 7-13-94
 DATE

REVIEWED FOR THE HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

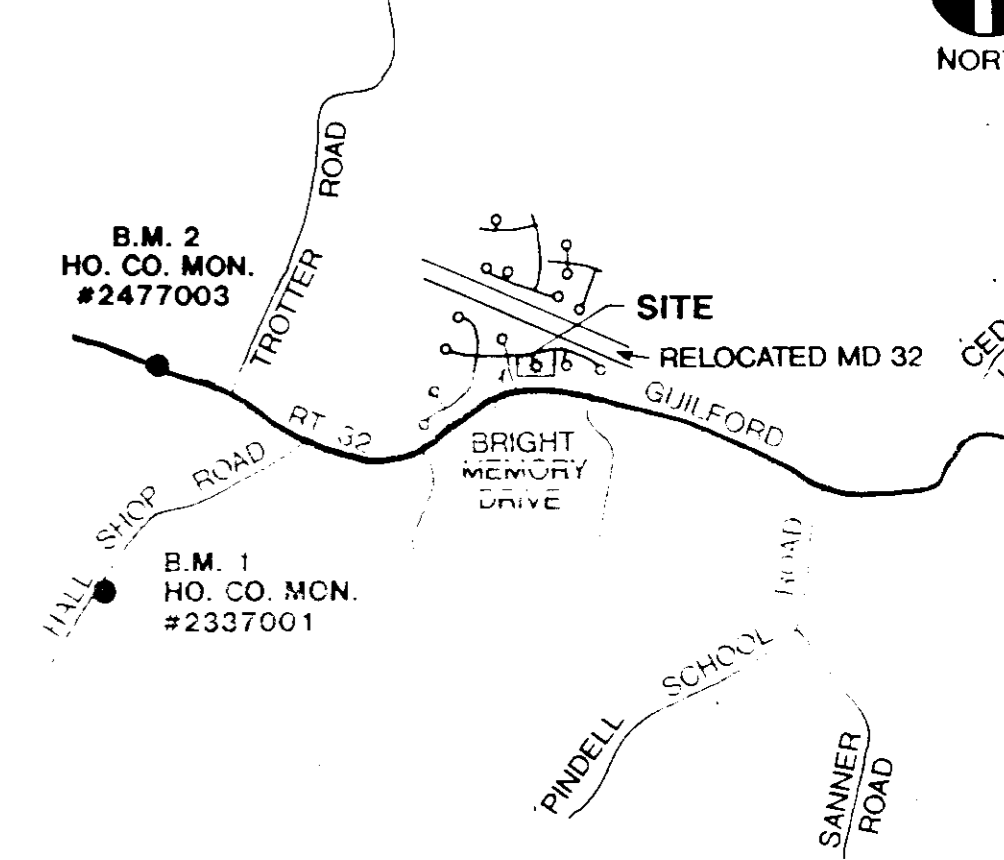
Patricia Taylor
 U.S. SOIL CONSERVATION SERVICE
 8/2/94
 DATE

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

John P. Stewart
 HOWARD S.C.D.
 8/2/94
 DATE



VICINITY MAP
 SCALE: 1"=2500'



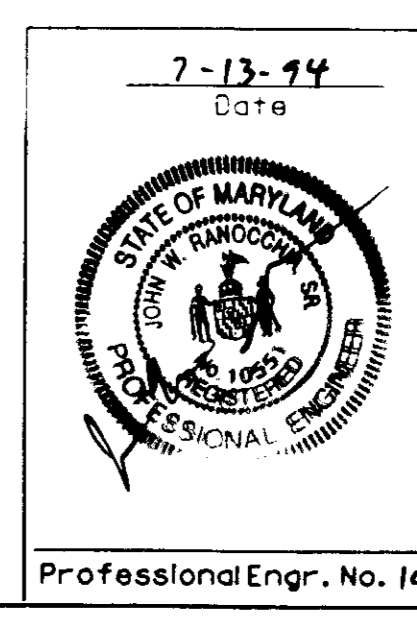
APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR
 CHIEF DIVISION OF LAND DEVELOPMENT & RESEARCH
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 EROSION CONTROL MEASURES SYSTEMS AND PUBLIC EGRESS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 SUPERVISOR
 CHIEF BUREAU OF ENGINEERING

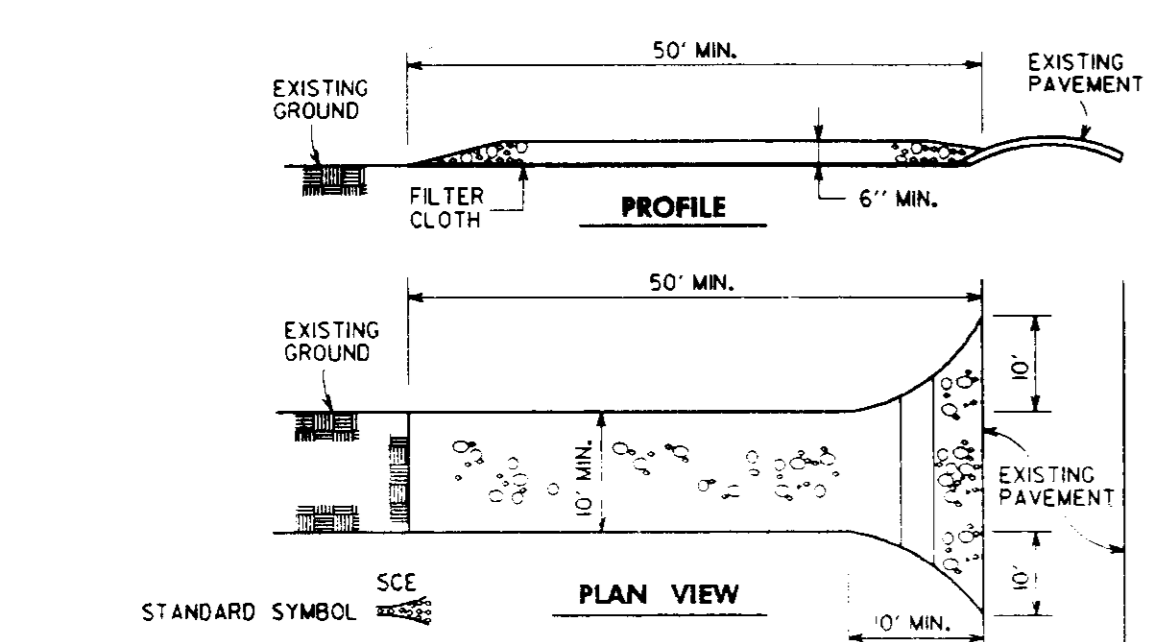
VILLAGE OF RIVER HILL
 SECTION 2 - AREA 2 PHASE 2
 LOTS 109-123
 OWNER / DEVELOPER
THE MARK BUILDING COMPANY
 1301 YORK ROAD
 LUTHERVILLE, MARYLAND 21093
 (410) 356-5701

DMW
 Daft McCune Walker, Inc.
 10994-10999/15 NT 35 5TH 6055
 SECTION/AREA
 VILL OF RIVER HILL SECTION 2 - AREA 2
 LOT/PARCEL
 109-123
 WATER CODE
 112
 SERIES CODE
 1552500

SEDIMENT AND EROSION CONTROL PLAN

7-13-94
 Date
 Des By Scale 1" = 30' Proj. No. 92032B
 Drn By Date 12/28/93
 Chk By Approved
3 OF 4

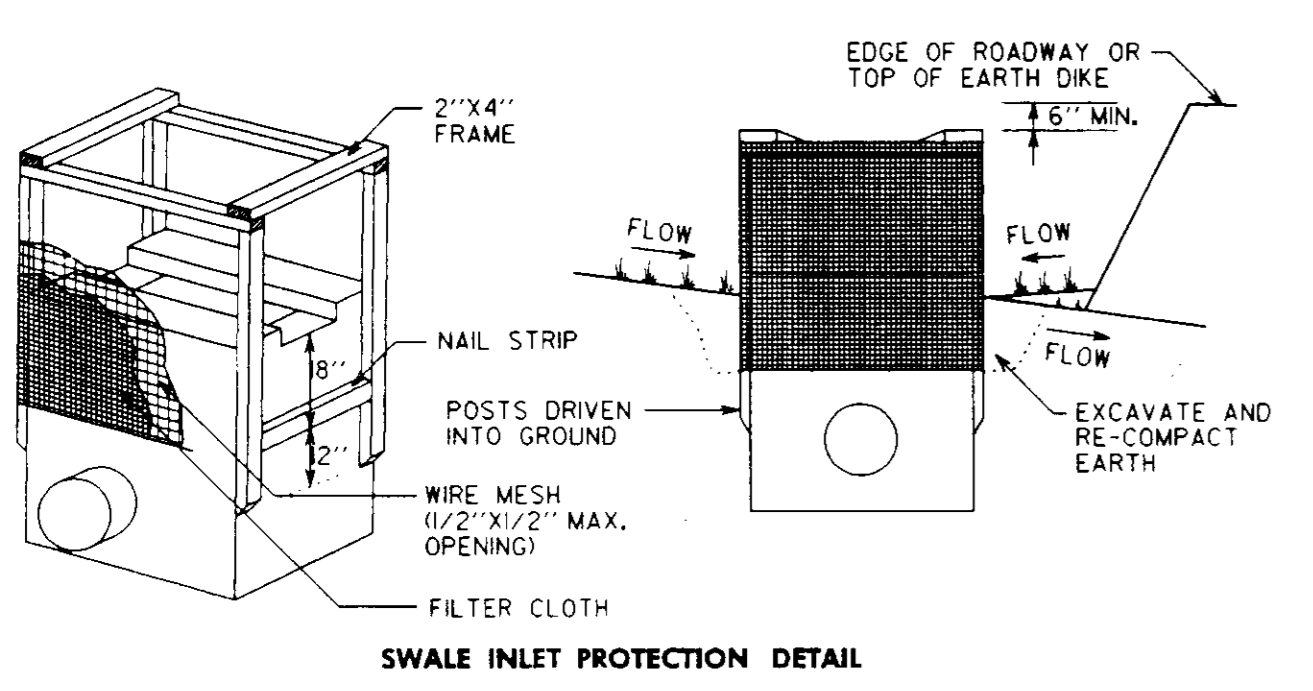




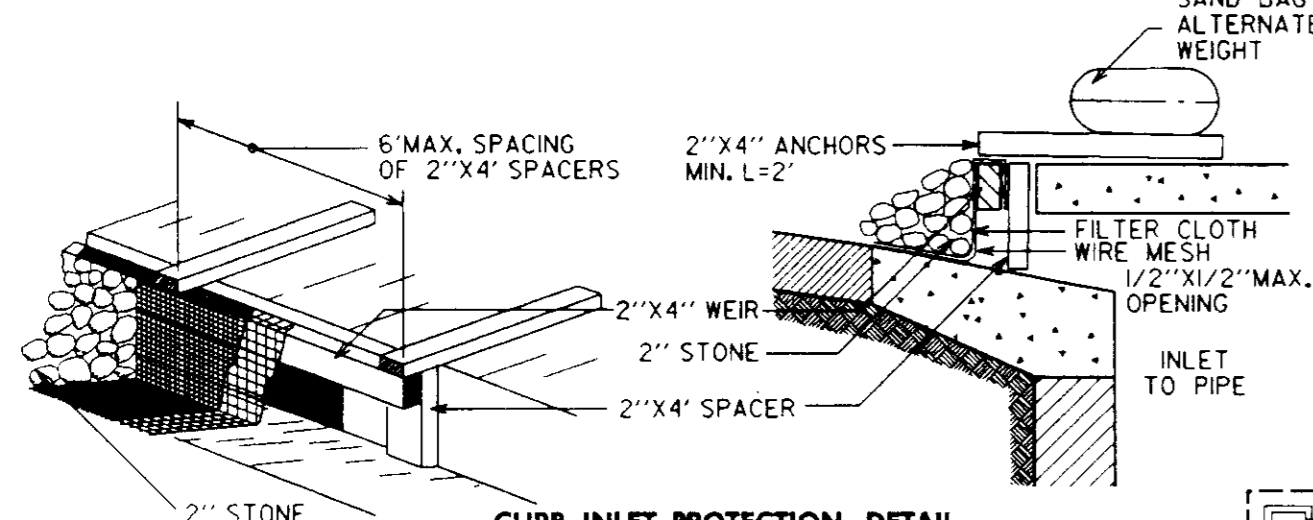
CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE - 2" TO 4" OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED BUT NOT LESS THAN 50 FEET EXCEPT ON A SINGLE RESIDENCE.
3. THICKNESS - NOT LESS THAN 6 INCHES.
4. WIDTH - TEN (10) FEET MINIMUM BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH SHALL BE REINFORCED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR OVERFLOED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE, IF PIPING IS IMPRACTICAL.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWING PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, BASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRY 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.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE



SWALE INLET PROTECTION DETAIL



CURB INLET PROTECTION DETAIL



INLET PROTECTION DETAIL

U.S. DEPT. OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MD. 20740

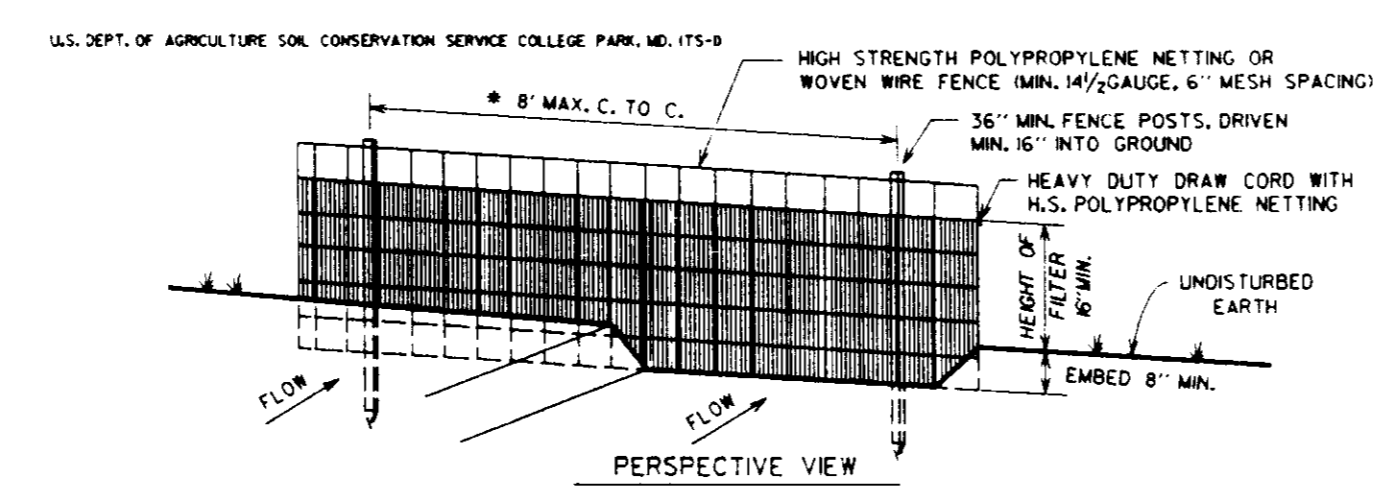
CONSTRUCTION SPECIFICATIONS

I. MATERIALS

- A. WOODEN FRAME IS TO BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
- B. WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER FABRIC AND STONE FOR CURB INLETS, WITH WATER FULLY IMPOUNDED AGAINST IT.
- C. FILTER CLOTH MUST BE OF TYPE APPROVED FOR THIS PURPOSE, RESISTANT TO SUNLIGHT WITH SEVE SIZE, E.O.S. 40-85, TO ALLOW SUFFICIENT PASSAGE OF WATER AND REMOVAL OF SEDIMENT.
- D. STONE IS TO BE 2" IN SIZE AND CLEAN, SINCE FINES WOULD CLOG THE CLOTH.

II. PROCEDURES

- A. SWALE, DITCHLINE, OR YARD INLET PROTECTION.
 1. EXCAVATE COMPLETELY AROUND INLET TO A DEPTH OF 8" BELOW NOTCH ELEVATION.
 2. DRIVE 2" X 4" POST INTO GROUND AT FOUR CORNERS OF INLET. PLACE NAIL STRIPS BETWEEN POSTS ON ENDS OF INLET. ASSEMBLE TOP PORTION OF 2" X 4" FRAME USING OVERLAP JOINT SHOWN. TOP OF FRAME HEREIN MUST BE 6" BELOW EDGE OF ROADWAY ADJACENT TO INLET.
 3. STRETCH WIRE MESH TIGHTLY AROUND FRAME AND FASTEN SECURELY. ENDS MUST MEET AT POST.
 4. STRETCH FILTER CLOTH TIGHTLY OVER WIRE MESH. THE CLOTH MUST EXTEND FROM TOP OF FRAME TO 8" BELOW INLET NOTCH ELEVATION. FASTEN SECURELY TO FRAME. ENDS MUST MEET AT POST, BE OVERLAPPED, AND FOLDED, THEN FASTENED DOWN.
 5. BACKFILL AROUND INLET IN COMPACTED 6" LAYERS UNTIL LAYER OF EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
 6. IF INLET IS NOT IN A LOW POINT, CONSTRUCT COMPACTED EARTH DIKE IN THE DITCHLINE BELOW IT. THE TOP OF THIS DIKE IS TO BE AT LEAST 6" HIGHER THAN THE TOP OF THE FRAME (WEIR). THIS STRUCTURE MUST BE INSPECTED FREQUENTLY AND THE FILTER FABRIC REPLACED WHEN CLOGGED.
- B. CURB INLET PROTECTION.
 1. ATTACH A CONTINUOUS PIECE OF WIRE MESH (30" MINIMUM WIDTH BY THROAT LENGTH PLUS 4") TO THE 2" X 4" WEIR MEASURING THROAT LENGTH PLUS 2" AS SHOWN ON THE STANDARD DRAWING.
 2. PLACE A PIECE OF APPROVED FILTER CLOTH (40-85 SEIVE) OF THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH TO THE 2" X 4" WEIR.
 3. SECURELY NAIL THE 2" X 4" WEIR TO 3" OR MORE VERTICAL SPACERS TO BE LOCATED BETWEEN THE WEIR AND INLET FACE (MAXIMUM 6" APART).
 4. PLACE THE ASSEMBLY AGAINST THROAT AND NAIL ANCHORS (MINIMUM 2" LENGTHS OF 2" X 4" TO THE TOP OF THE WEIR AT SPACER LOCATIONS. THESE 2" X 4" ANCHORS SHALL EXTEND ACROSS THE INLET AND BE HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHT.
 5. THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MINIMUM 6" BEYOND BOTH ENDS OF THE THROAT OPENING.
 6. FORM THE WIRE MESH AND FILTER CLOTH TO THE CONCRETE CUTTER AGAINST THE FACE OF CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 2" STONE OVER THE WIRE MESH AND FILTER FABRIC IN SUCH MANNER TO PREVENT WATER FROM ENTERING THE INLET UNLESS OR AROUND THE FILTER CLOTH.
 7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED.
 8. ASSURE THAT STORM FLOW DOES NOT BYPASS INLET BY INSTALLING TEMPORARY EARTH OR ASPHALT DIKES DIRECTING FLOW INTO INLET.

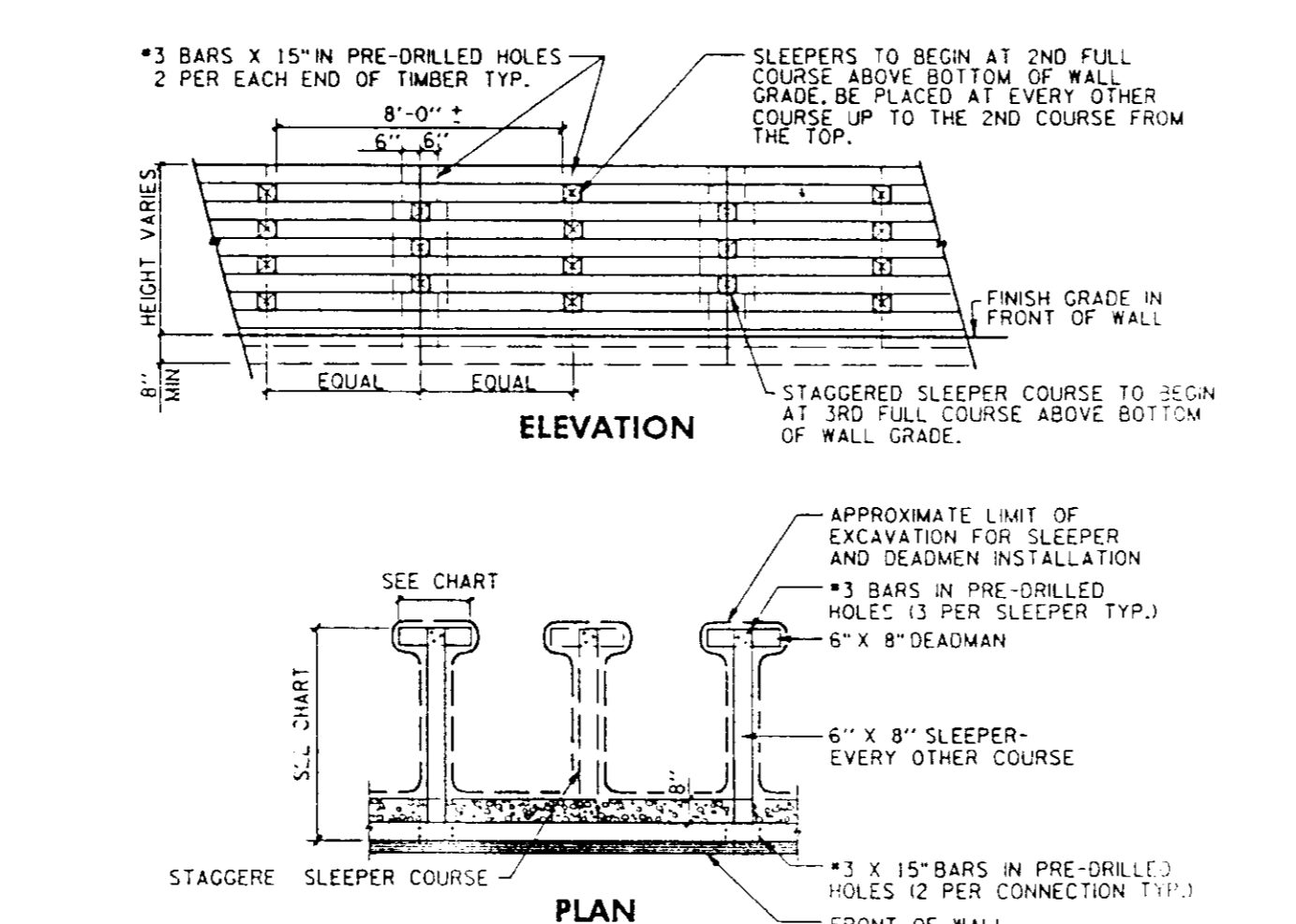


SILT FENCE

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. HIGH STRENGTH POLYPROPYLENE NETTING OR WOVEN WIRE FENCE (MIN. 1/4" GAUGE, 6" MESH SPACING) WITH FILTER CLOTH OVER.
2. 36" MIN. FENCE POSTS, DRIVEN MIN. 16" INTO GROUND.
3. HEAVY DUTY DRAW CORD WITH H.S. POLYPROPYLENE NETTING.
4. UNDISTURBED EARTH.
5. EMBED 8" MIN.
6. 20" MIN. UNDISTURBED GROUND.
7. 6" MIN. UNDISTURBED GROUND.
8. 8" MAX. C. TO C.
9. 1/4" ACTUAL HARDWOOD FENCE WOVEN WIRE 1/4 GAUGE 6" MAX. MESH OPENING OR HIGH STRENGTH POLYPROPYLENE NETTING.
10. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES OR STAPLES.
11. FILTER CLOTH FILTER X MBR/FIBROK, STABILINA OR APPROVED EQUAL.
12. PRE-FABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.
13. WHEN DOUBLE-STAKED SILT FENCE IS SHOWN ON PLAN, THE MAXIMUM FENCE POST SPACING SHALL BE 4' C. TO C.

SILT FENCE



SUPER SILT FENCE

TIMBER RET. WALL WITH TIEBACKS

Sequence of Construction

1. Obtain a grading permit.
2. Notify the Howard County Office of Inspection and Permits (313-1880) a minimum of 48 hours prior to the start of any construction. Install tie back protection prior to installation of sediment controls.
3. Clear and grub for and install sediment and erosion control measures or devices.
4. Stabilize all nonactive graded surfaces with temporary seeding.
5. Mass grade site and begin house construction and provide each lot with stabilized construction entrance at driveway location.
6. Fine grade site. Construct driveways to final grades. Stabilize all disturbed areas with permanent seeding.
7. With the prior permission of the Sediment Control Inspector and the Howard County Sediment Control Division remove sediment controls. Fine grade and stabilize these areas.

DEVELOPERS CERTIFICATION:

I/We certify that all development and construction will be done according to this plan and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Session for a Control of sediment and Erosion before beginning the project. I also authorize my/our site inspection by the Howard Soil Conservation District.

Larry Rosenburg 8/2/94 Date
LARRY ROSENBERG
MARK BUILDING CO.

ENGINEER'S CERTIFICATION:

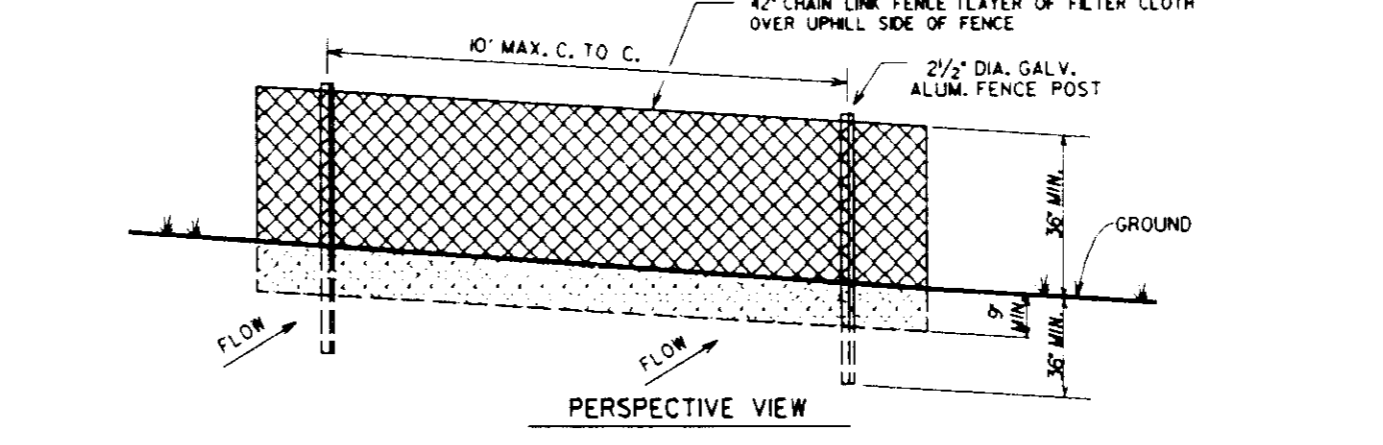
I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

John Ranocchia 7-13-94 Date
JOHN RANOCCHIA PE 10551

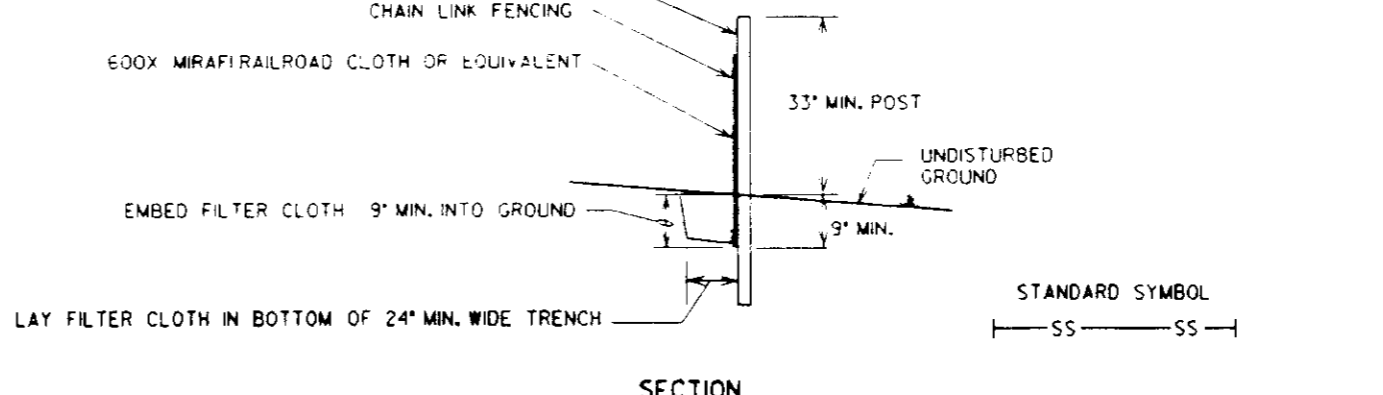
Reviewed for Howard Soil Conservation District and meets Technical Requirements.
Patricia Engler 8/2/94 Date
U. S. Soil Conservation Service

This Development Plan is Approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

John D. Colantonio 8/2/94 Date
Howard Soil Conservation District



CHAIN LINK FENCE WITH FILTER CLOTH OVER TOP



CHAIN LINK FENCE WITH FILTER CLOTH IN TRENCH

Fencing

Fencing shall be 42 inch high chain link fence constructed in accordance with the latest Maryland State Highway Administration Standard Details 680A and 680B. The specifications for a 6' or 8' fence shall be substituted for 42 inch fabric and 70 inch posts. Posts shall be placed without concrete embedment.

1. Chain link fence to be fastened securely to fence posts with wire ties on staples.
2. Filter cloth to be fastened securely to chain link fence with ties spaced every 24 inches at top and mid-section.
3. When two sections of filter cloth adjoin each other they shall be overlapped by 6 inches and folded.
4. Maintenance shall be performed as needed and material removed when buges develop in the silt fence.

SEEDING NOTES

Permanent Seeding Notes

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-term vegetative cover is needed.

Soil Preparation - Loosen upper 3 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. **Excelsior** - Apply 2 tons per acre dolomitic limestone (30 lbs./1,000 sq. ft.) and 1,000 lbs. per acre 10-10-10 fertilizer (18 lbs./1,000 sq. ft.) before seeding, narrow or disk into upper 3 inches of soil.
2. **Acceptable** - Apply 2 tons per acre dolomitic limestone (30 lbs./1,000 sq. ft.) and 1,000 lbs. per acre 10-10-10 fertilizer (18 lbs./1,000 sq. ft.) before seeding, narrow or disk into upper 3 inches of soil.

Seeding - For the periods March through April 30, and August 1 through October 15, seed with 60 lbs. per acre 10-10-10 fertilizer (18 lbs./1,000 sq. ft.) for the period May through July seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre US 84,000 sq. ft. of seedling overgrass. During the period of October 1 through February 28, protect site by 1. Option 1 - 2 tons per acre of well-rotted straw mulch and seed on soon as possible in the spring. Option 2 - Use seed. Option 3 - Seed with 60 lbs. Kentucky 31 Tall Fescue and mulch with 2 tons/acre well-rotted straw.

Mulching - Apply 1 1/2 to 2 tons per acre (10 to 30 lbs./1,000 sq. ft.) of unrotted small grain straw immediately after seeding, anchor mulch immediately after application using mulch anchoring tool or 28 galons per acre (15 gal./1,000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 galons per acre (18 gal./1,000 sq. ft.) for anchoring.

Maintenance - Inspect seeding area and make needed repairs, replacements and reseedings.

Temporary Seeding Notes

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Soil Preparation - Loosen upper 3 inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.

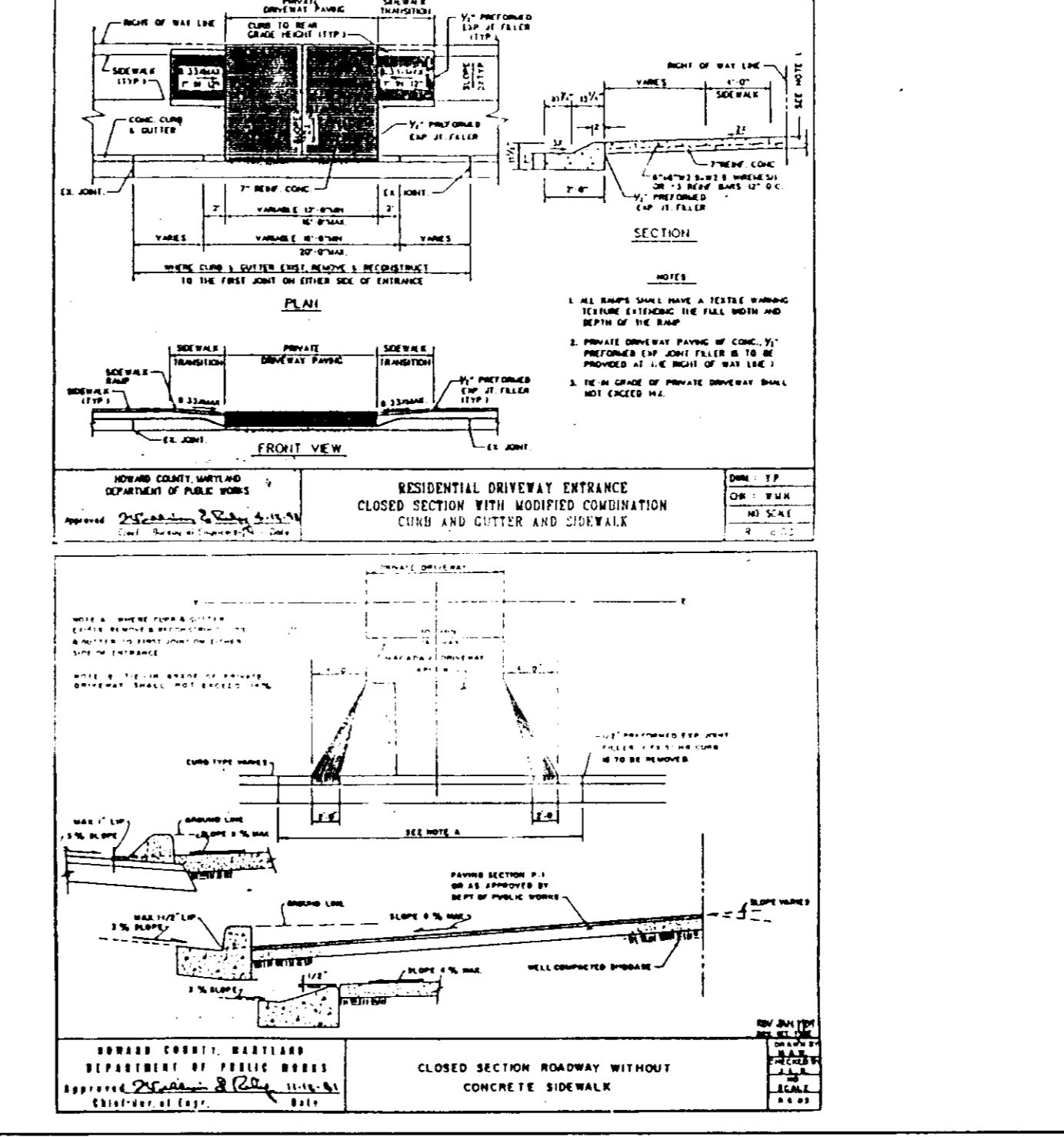
Soil Amendments - Apply 600 lbs. per acre 10-10-10 fertilizer (18 lbs./1,000 sq. ft.)

Seeding - For the periods March through April 30, and August 1 through October 15, seed with 2 1/2 bushels/acre of annual ryegrass (12 lbs./1,000 sq. ft.) for the period May through July seed with 3 lbs. per acre of seedling overgrass (10 lbs./1,000 sq. ft.). For the period November 16 through February 28, protect site by applying 2 tons per acre of well-rotted straw mulch and seed as soon as possible in the spring or use seed.

Mulching - Apply 1 1/2 to 2 tons per acre (10 to 30 lbs./1,000 sq. ft.) of unrotted small grain straw immediately after seeding, anchor mulch immediately after application using mulch anchoring tool or 28 galons per acre (15 gal./1,000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 galons per acre (18 gal./1,000 sq. ft.) for anchoring.

Refer to the 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control for additional rates and methods not covered.

SEEDING NOTES



4. A NUMBER OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION.

5. 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 SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

6. SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIMS, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3%.

7. FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

8. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. II, CHAPTER 12 OF THE "HOWARD COUNTY DESIGN MANUAL," STORM DRAINAGE.

9. 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 SEEDING (SECTION 50.503 SECTION 40.1) TEMPORARY SEEDING (SECTION 50.504) AND MULCHING (SECTION 50.505). TEMPORARY STABILIZATION WITH MULCH ALONG CANALS MUST BE DONE WITH RECOMMENDED SEEDING PRACTICES TO ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

10. SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

11. SITE ANALYSIS:

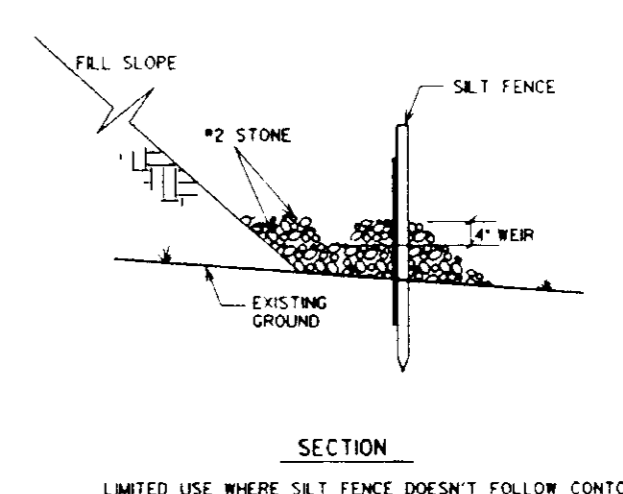
TOTAL AREA OF SITE	ACRES
AREA DISTURBED	ACRES
AREA TO BE ROOFED OR PAVED	ACRES
AREA TO BE VEGETATIVELY STABILIZED	ACRES
TOTAL CUT	CUBIC YARDS
TOTAL FILL	CUBIC YARDS
OFF-SITE TRUCK/BORROW AREA LOCATION WASTE 1	

12. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

13. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY OFFICE OF SEDIMENT CONTROL INSPECTOR.

14. 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 FOLLOW-UP OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

HOWARD COUNTY SEDIMENT CONTROL GENERAL NOTES



#2 STONE CHECK DAM

STD. SILT FENCE	SUPER SILT FENCE
42" STONE	42" STONE
12" HIGH	12" HIGH
24" HIGH	24" HIGH
50" HIGH	50" HIGH
ON 4" MIN. VERTICAL CHANGE IN ELEV.	

#2 STONE CHECK DAM

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

COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

John D. Colantonio 8/1/94 DATE
DIRECTOR

Quia Surromoni 8/1/94 DATE
CHIEF, LAND DEVELOPMENT & RESEARCH

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

Paul H. Sporn 8/2/94 DATE
CHIEF, BUREAU OF ENGINEERING & DESIGN

DATE NO REVISION DESCRIPTION

VILLAGE OF RIVER HILL SECTION 2 - AREA 2 1109-123 LOTS 109-123

OWNER/DEVELOPER

THE MARK BUILDING COMPANY 1301 YORK ROAD LUTHERVILLE, MARYLAND 21093 (410) 356-5701

DMW Deak McCusker-Walker, Inc. 200 East Pennsylvania Avenue Towson, Maryland 21286 (410) 296-3333 Fax 296-4700

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

SUBDIVISION MAP VILLAGE OF RIVER HILL SECTION 2 - AREA 2 1109-123

DATE 8/2/94

DATE 12/28/93

DATE 8/2/94

DATE 8/2/94

DATE 8/2/94

DATE 8/2/94

DATE 8/2/94

DATE 8/2/94

DATE 8/2/94

DATE 8/2/94

DATE 8/2/94

Professional Engr. No. 10551

Scale NO SCALE

Proj. No. 92032B

4 OF 4

SDP 94-115

Wed Dec 22 16:30:51 1993

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