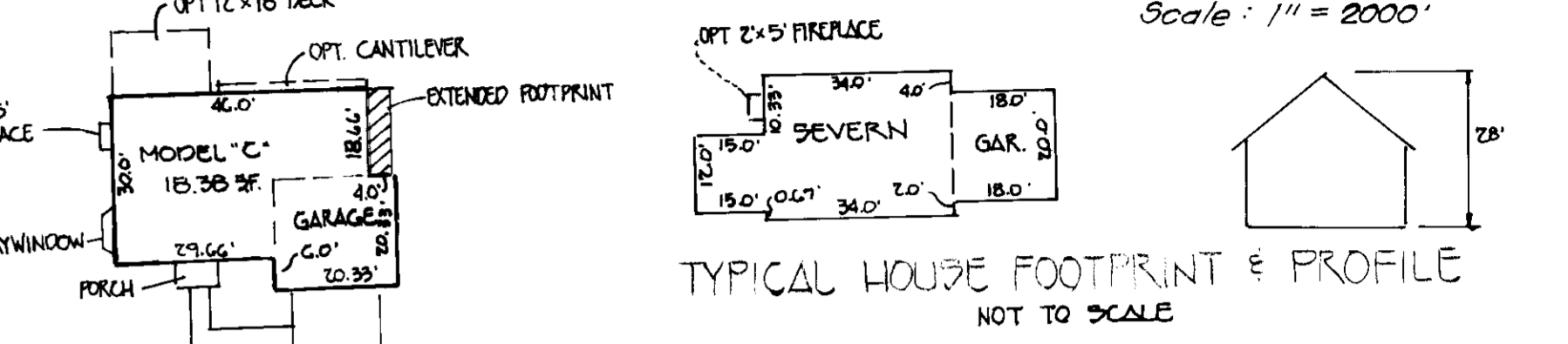
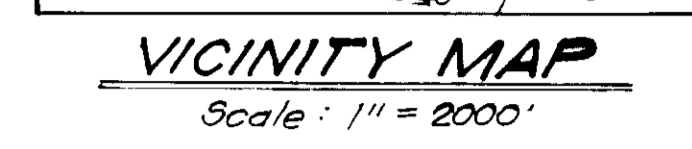


### PLANT SCHEDULE

KEY	PLANT SPECIES	SIZE	QTY	REMARKS
1*	NOEL RUBRUM	3"	3	B & B
1*	RED MAPLE	17"	3	B & B
1*	PHILUS STROBUS			
1*	WHITE PINE			

NOTES:  
 1) ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH BALTIMORE LAND SPECIES OF L.C.A.M.W.  
 2) UTILITIES SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.  
 3) BUFFERING PROVIDED BY DEVELOPER IS TO BE BUFFERING THE GREEN WATER MANAGEMENT FACILITY.



- ### GENERAL NOTES:
- Subject property is zoned: R-20 per 8-2-85 Comprehensive Zoning Plan.
  - The total area included in this submission is: 2.98 Ac.
  - The total number of lots included in this submission are: 8
  - Improvement to property: Single family detached
  - The maximum lot coverage permitted is: 30%
  - Department of Planning and Zoning reference file numbers are: S-80-80, P-80-81, F-20-85 & W.P.02-173, F-93-100
  - Utilities shown as existing are taken from approved water and sewer plan Contract # 24-3080-D, approved road construction plans F-90-95, and actual field survey.
  - Any damage to county owned rights-of-way shall be corrected at the developer's expense.
  - Storm water management is provided per: F-90-95.
  - All roadways are public and existing.
  - The existing topography shown was taken from road construction plans F-90-95 prepared by American Engineering, Inc.
  - 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.: 3340001, BHP 2, 3340003 & 3340002.
  - The contractor shall notify the Department of Public Works/Bureau of Construction Inspection a (301) 792-7272 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.
  - Under certain conditions, decks and porches may only extend 10 feet into front and rear setbacks.
  - For Driveway entrance details refer to Howard County Design Manual Volume II Std Details R-6.01 & R-6.05 W.P. 92-173, 4-9-92, grants relief to Sec. 16-121(A)(16), reactivation & extension of Final Plat submission for final signature.

- ### 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-90-95 and/or approved Water and Sewer Plans Contract #C-24-3080-D.

### SHEET INDEX:

SHEETS 1 & 2 SITE DEVELOPMENT PLAN  
 SHEETS 3 & 4 SEDIMENT & EROSION CONTROL PLANS

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
12	3017 MARTIN MEADOWS COURT
13	3013 MARTIN MEADOWS COURT
15	3005 MARTIN MEADOWS COURT
16	3037 BOONES LANE
21	3033 BOONES LANE
22	3029 BOONES LANE
23	3007 MARTIN MEADOWS COURT
25	3011 MARTIN MEADOWS COURT

SUBMISSION NAME	SECTION/AREA	LOTS/PARCELS
MARTIN MEADOWS	1/1	12, 13, 15, 16, 21-23 & 25
PLAT NO. 10652 & 10653, 10784	BLOCK NO. 19	ZONE R-20
TAX MAP NO. 17	ELECTION DIST. 2ND	GENUS TRACT G022
WATER CODE H08	SEWER CODE 5980000	

**CLARK • FINEROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 881-7500 • BALTO • (410) 621-1100 • WASH

**SITE DEVELOPMENT PLAN**  
 LOTS 12, 13, 15, 16, 21-23 & 25  
**MARTIN MEADOWS**  
 SECTION 1 AREA 1  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

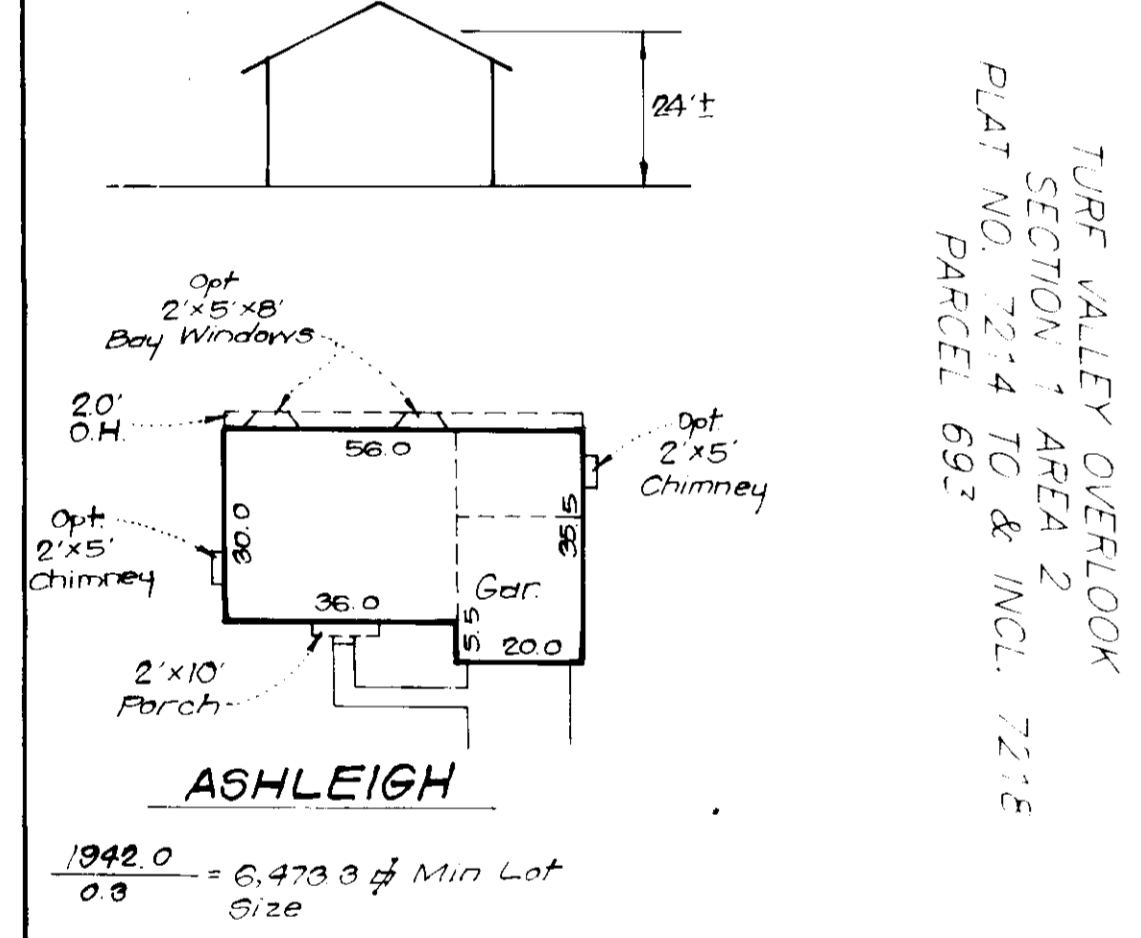
FOR: TRINITY BUILDERS, INC.  
 8212 Devon Drive  
 Columbia, Md 21044

DESIGNED: VLP  
 DRAWN: VLP, BAL  
 CHECKED: JME  
 DATE: Sept 1992

SCALE: 1" = 30'  
 DRAWING: 1 OF 3  
 JOB NO: 92-150  
 FILE NO: 92-150 X

### REVISIONS

No	AS PER	Date
6	Rev. hse. & grad. Lot 21	5-15-93
5	REV. HSE AND GRD ON LOT 12	10-14-94
4	REV. HSE AND GRD LOT 13	3-21-94
3	REV. HSE AND GRD LOT 12	11-16-93
2	Rev. hse. and grad. lot 15, Add hse. typical	11-3-93
1	Revise lots 21-26 as per result plat	1-22-93



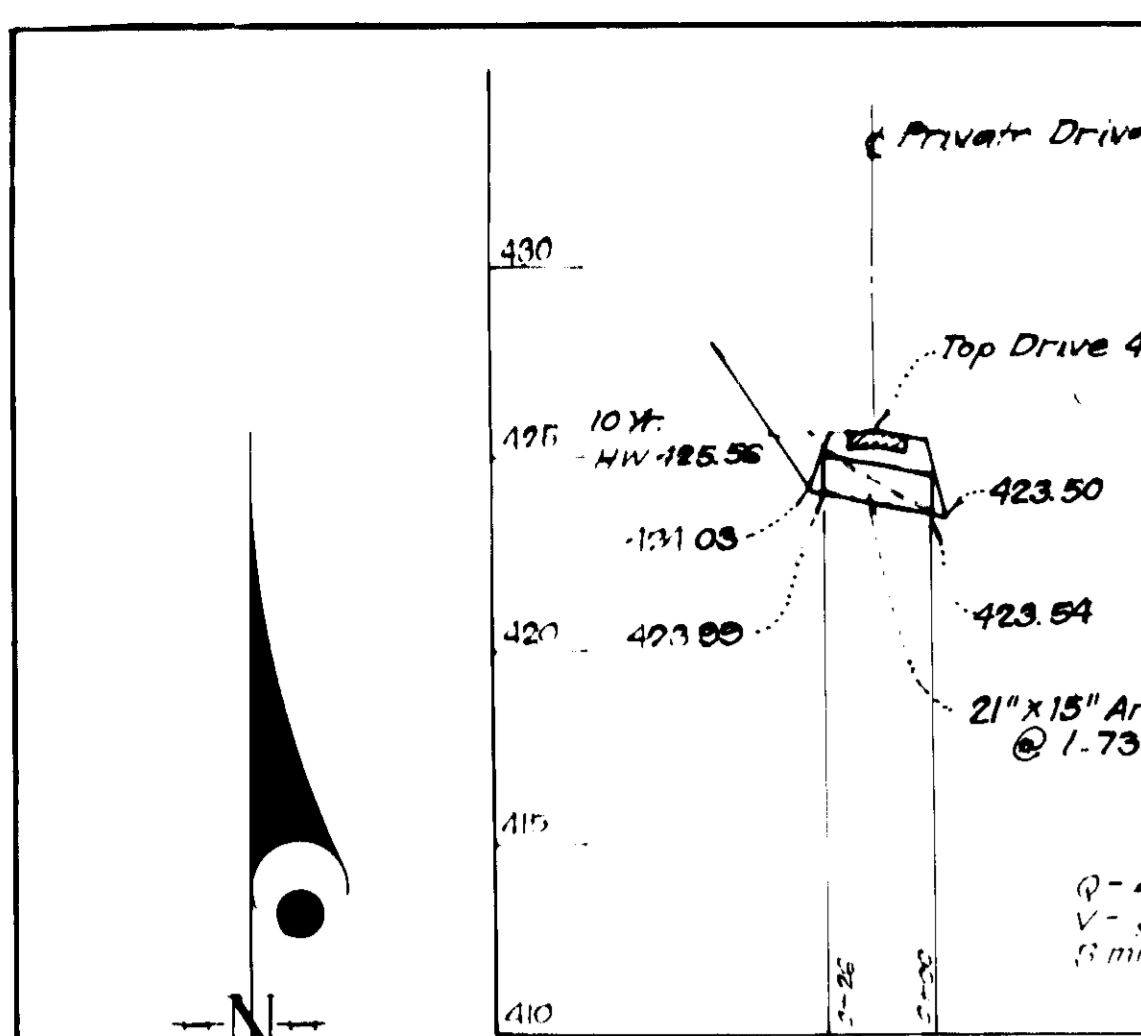
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 4-20-93

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 DIRECTOR: [Signature] DATE: 4/24/93

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 4-22-93

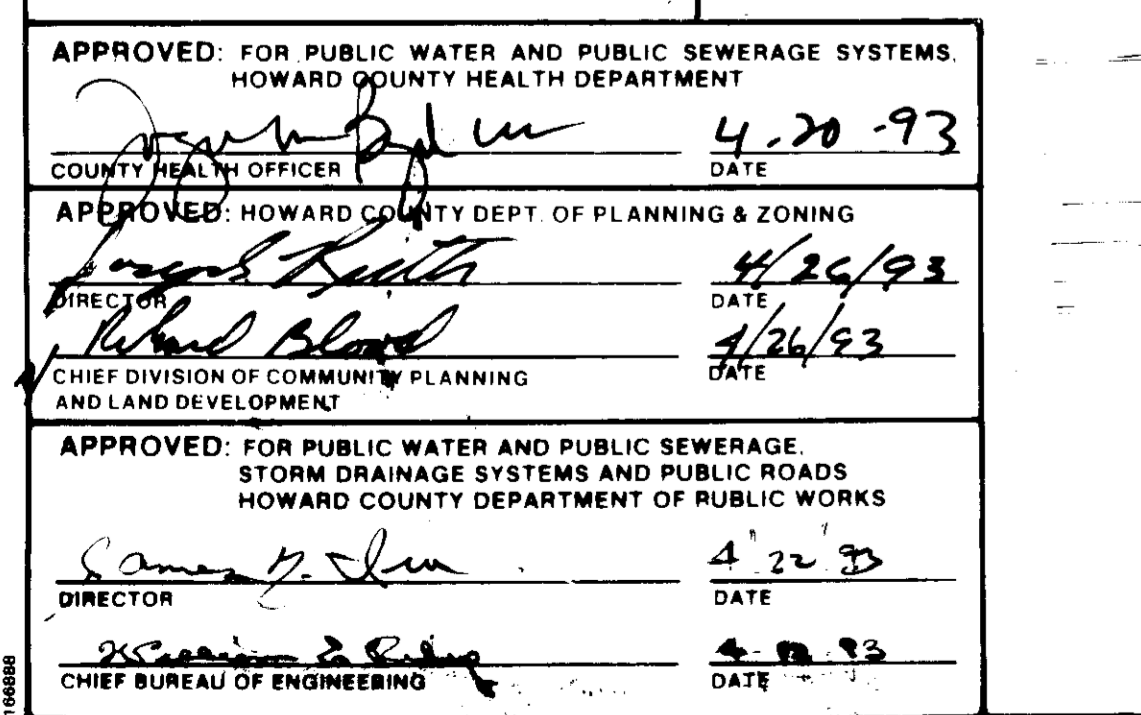
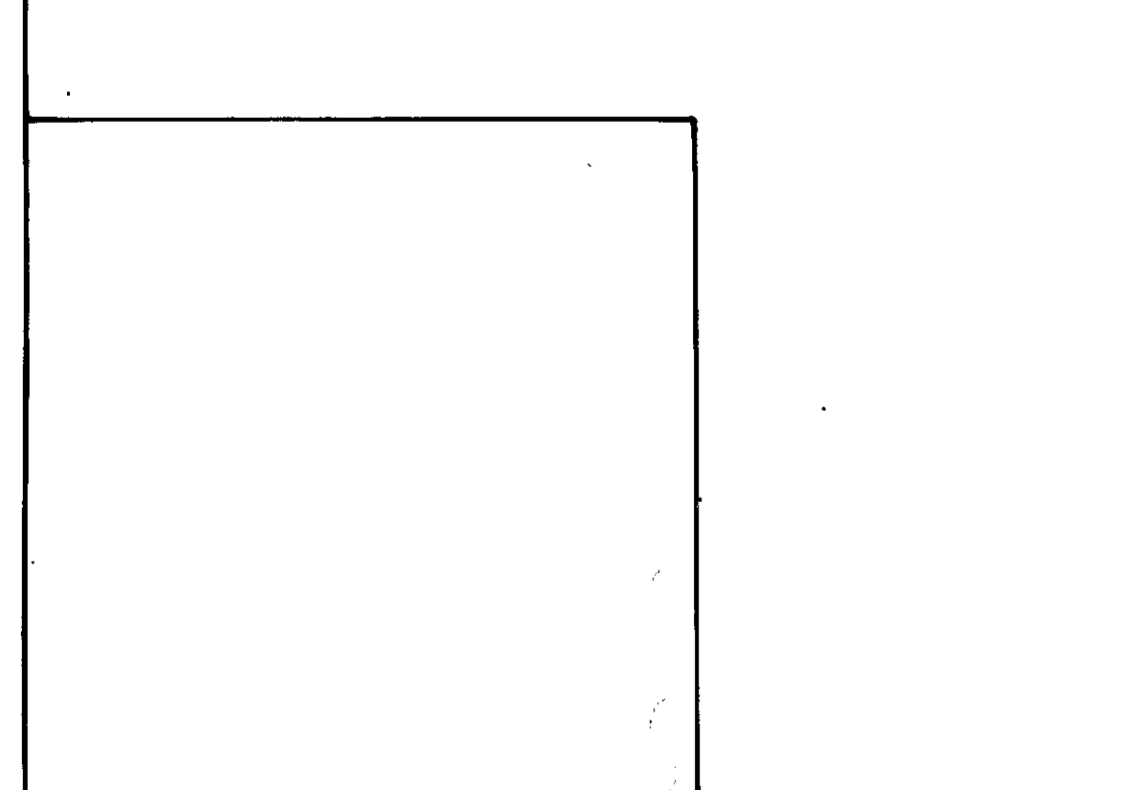
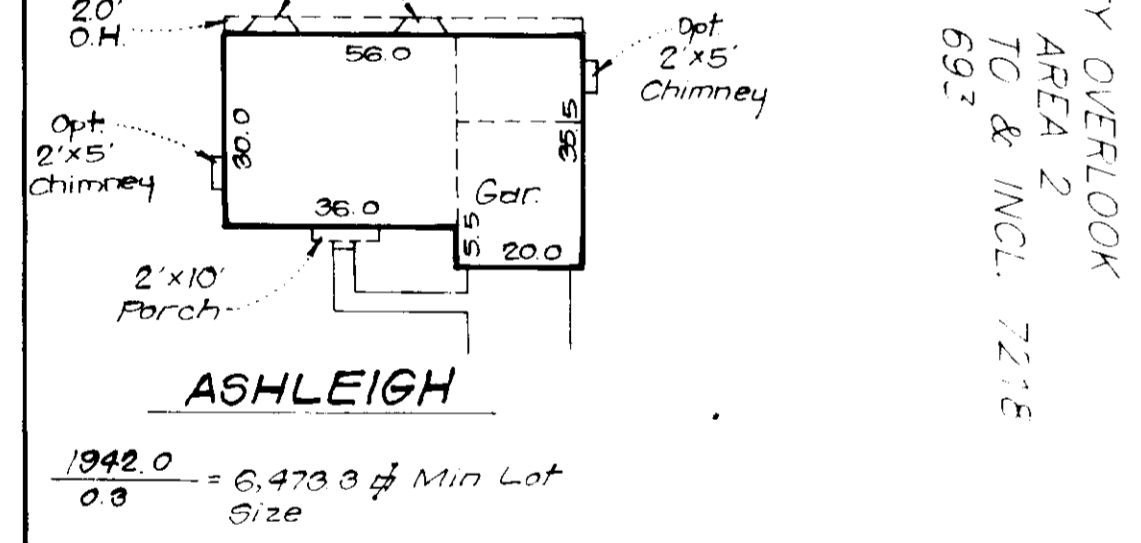
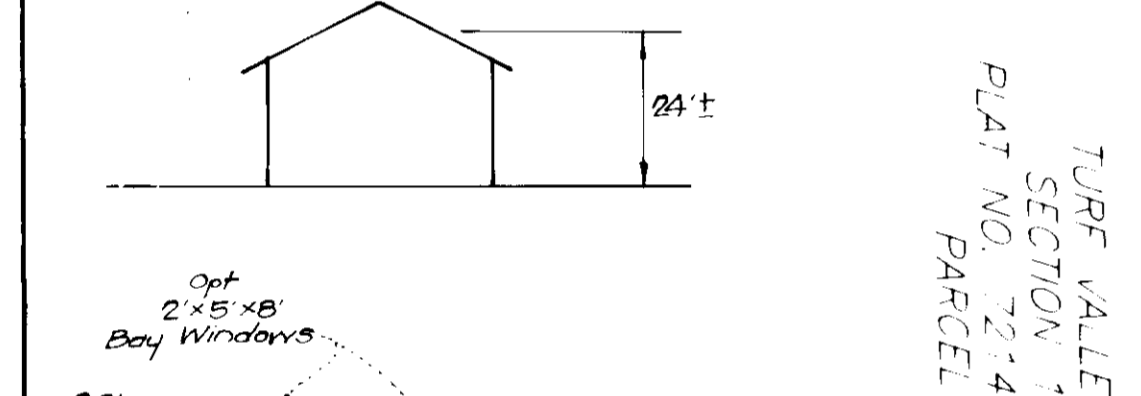
CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 4-22-93

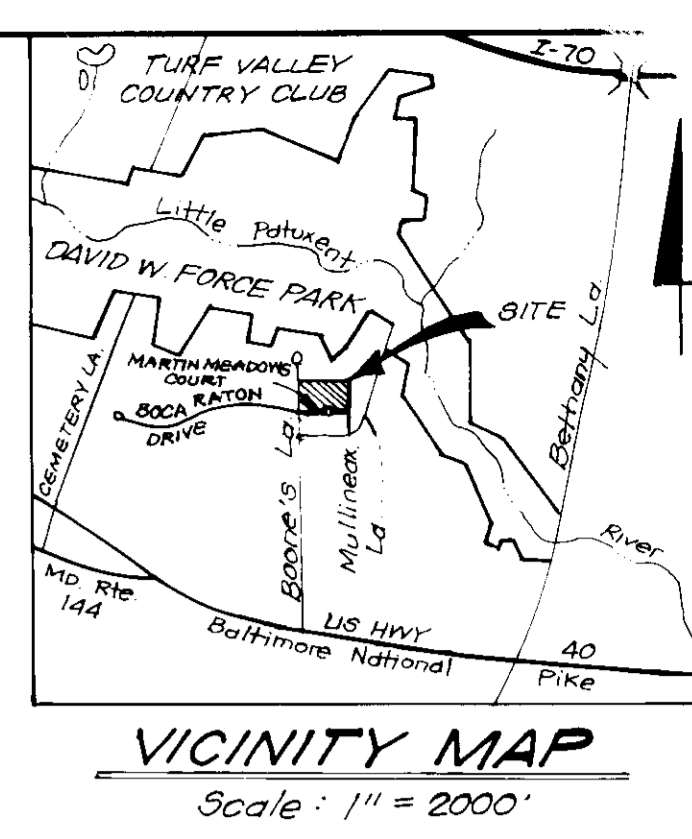
TURF VALLEY OVERLOOK  
 SECTION 1 AREA 2  
 PLAT NO. 724 TO & INCL. 728  
 PARCEL 693



NOTES:  
 1. Provide Ho. Co. Std. S.D. 5.63 Metal End Section @ each end.  
 2. Provide .75' min. cover over pipe.

LEGEND  
 CONTOUR INTERVAL  
 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  
 Limits of Disturbance





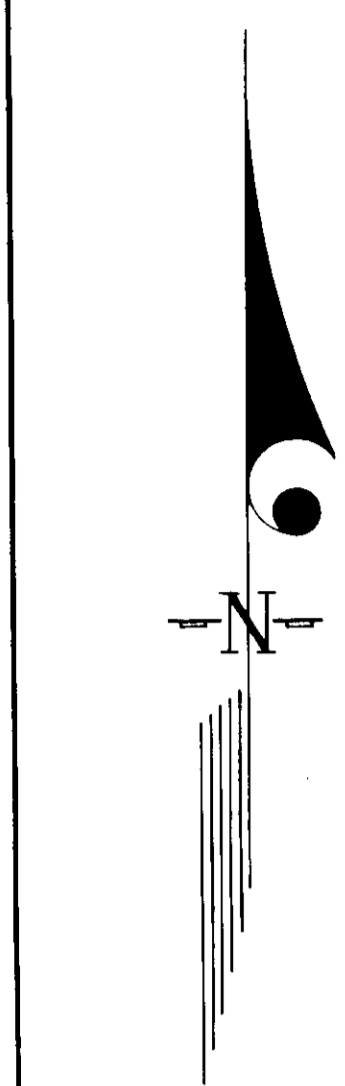
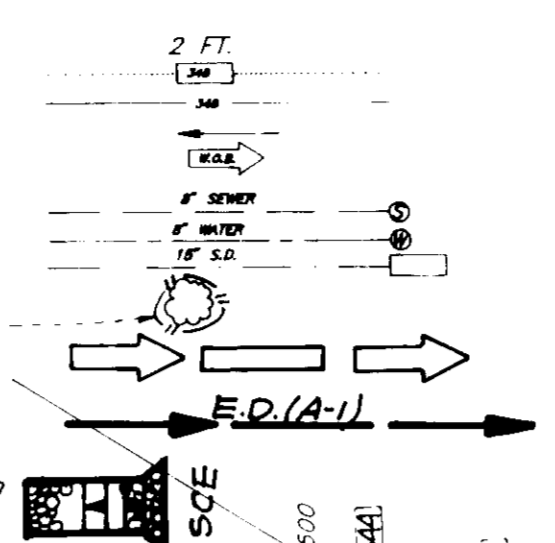
Reviewed for HOWARD S.C.D. Name: John R. Blanton Date: 4/2/93  
 and meet technical requirements of the US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
John R. Blanton 4/2/93  
 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."  
Michael Han 9492  
 Signature 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.  
John E. Sackett 1-26-93  
 Signature Date

- LEGEND**
- CONTOUR INTERVAL
  - 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
  - Existing Earth Dike
  - Earth Dike
  - Stabilized Construction Entrance



1	Revise lots 21-26 as per resub plat	1-22-93
REVISIONS		Date

TURF VALLEY OVERLOOK  
 SECTION 1 AREA 1  
 PLAT NO. 7214 TO & INCL. 7218  
 PARCEL 693

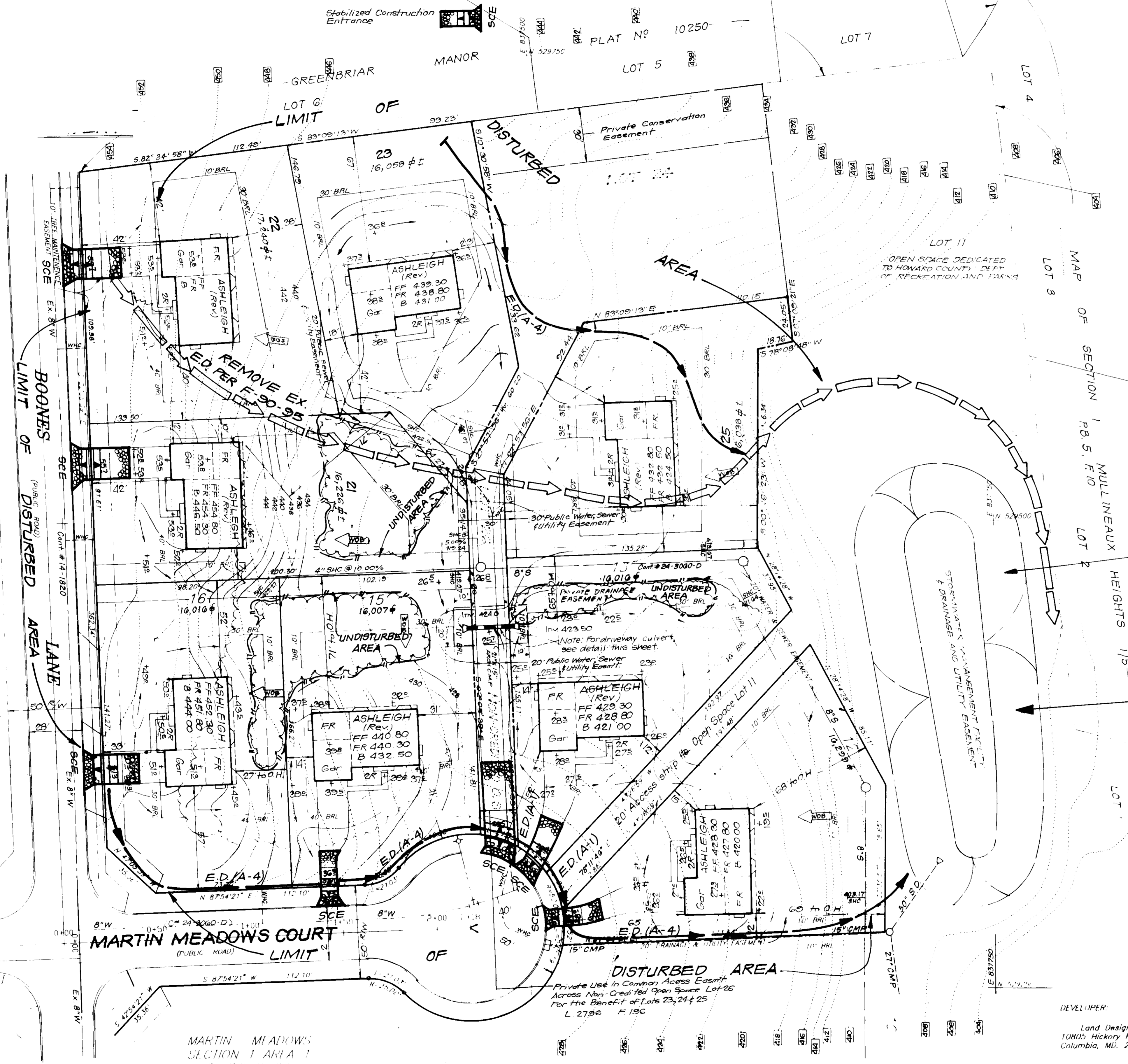
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
John M. Bal 4-20-93  
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
John S. Sackett 4/26/93  
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
John S. Sackett 4/26/93  
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
John S. Sackett 4-22-93  
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
John S. Sackett 4-12-93  
 CHIEF BUREAU OF ENGINEERING DATE



EX. INLET SEDIMENT TRAP #1 PER F-90-95 TO BE UTILIZED

Drainage Area	3.08 Ac.
Storage Required	5544 CF
Storage Provided	33500 CF
Clean Out Elev.	404.0
Crest Elev.	405.8

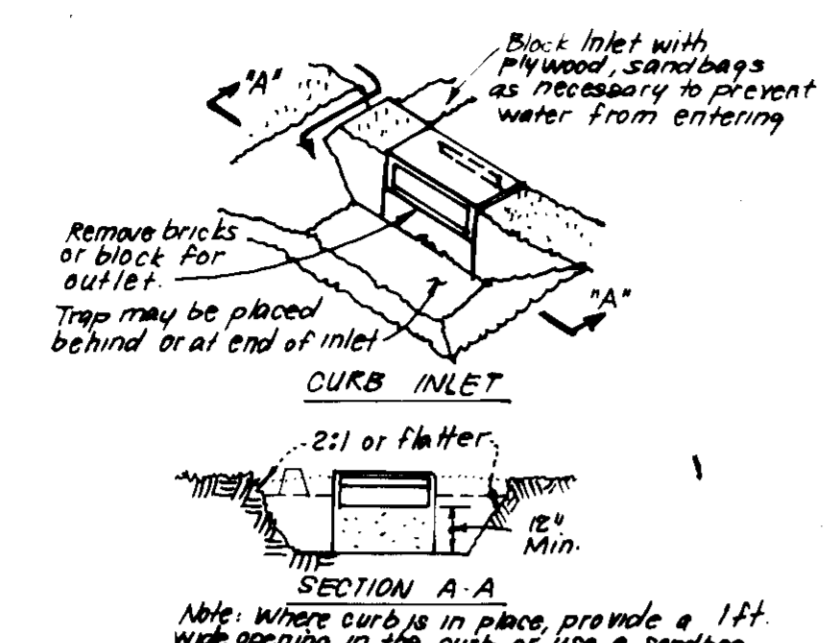
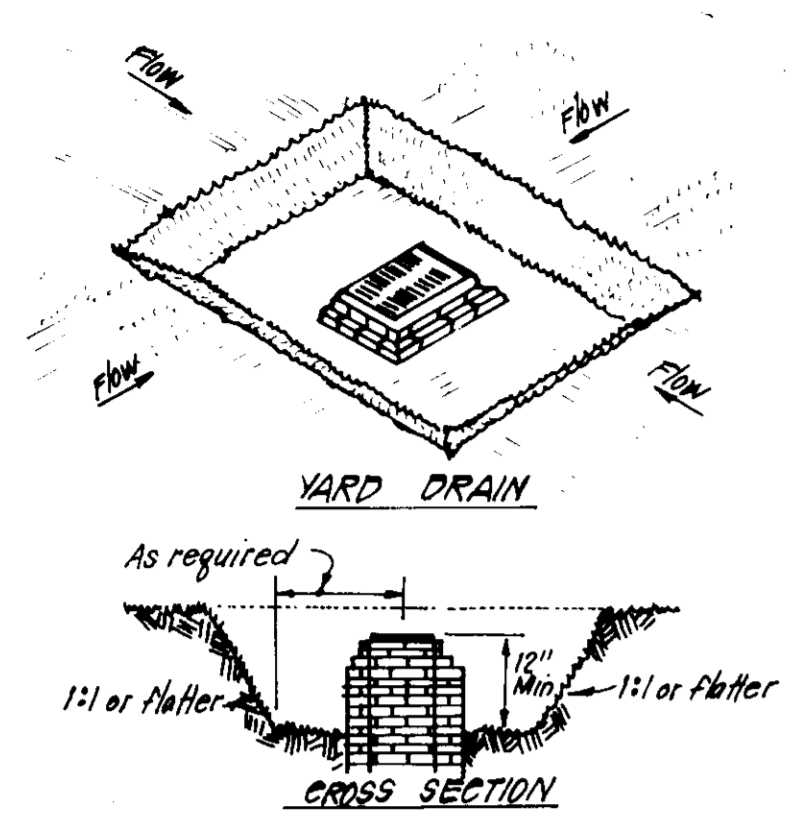
NOTE: The builder is responsible for removing sediments from the sediment trap which are attributed to house construction and lot grading proposed on these plans.

**CLARK • FINEFROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 Minnetonka Way • Columbia, Md 21045 • (301) 621-8100 Wash. • (410) 381-7500 Balt.

DRAWN	SDP 93-21	SCALE	1" = 30'
CHECKED	KLWM	DRAWING	2 OF 3
DATE	Sept 1992	JOB NO	92-150
		FILE NO	92-150-52

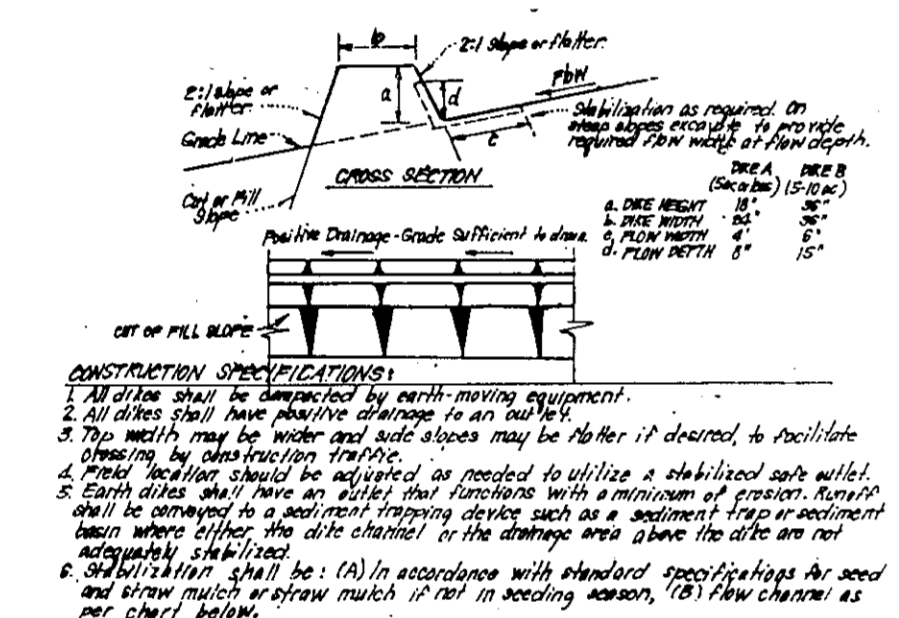
DEVELOPER: Land Design & Development, Inc. 10815 Hickory Ridge Rd. Columbia, Md. 21044

SEDIMENT & EROSION CONTROL PLAN  
 LOTS 12, 13, 15, 16, 21-23 & 25  
**MARTIN MEADOWS**  
 SECTION 1 AREA 1  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 FOR: TRINITY BUILDERS, INC.  
 2212 Devon Drive  
 Columbia, Md 21044



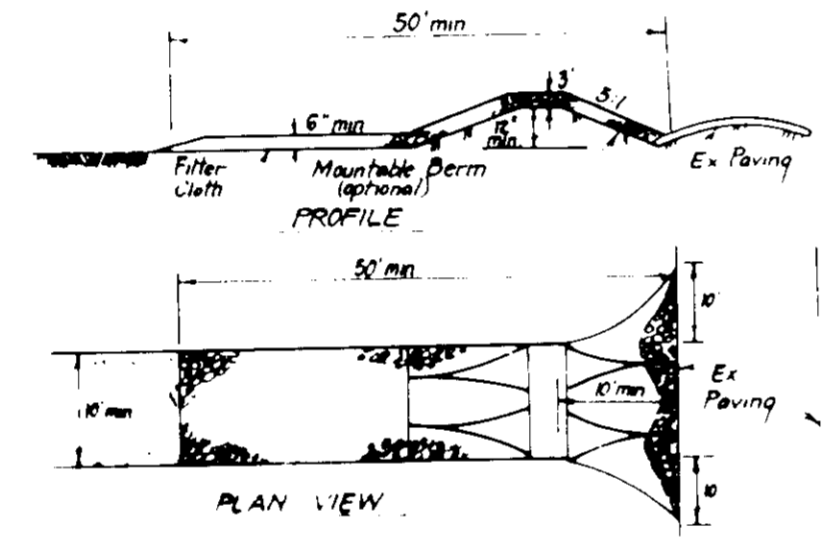
- CONSTRUCTION SPECIFICATIONS:**
- Sediment shall be removed and the trap restored to its original dimensions when sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area other than the drainage area that will not erode.
  - The volume of sediment storage shall be 1000 cu ft/acre of contributory drainage.
  - 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 shall be minimized.
  - The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly established.
  - All cut slopes shall be 1:1 or flatter.

**STORM INLET SEDIMENT TRAP (S.I.S.T.) ST III**  
NO SCALE



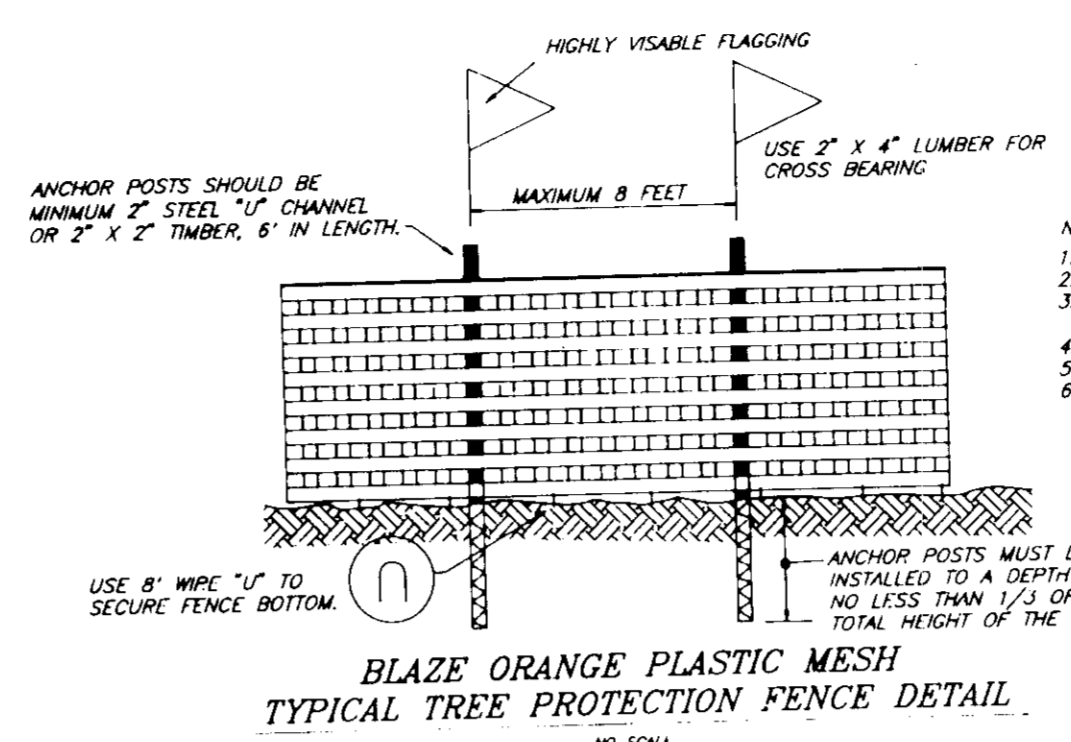
- CONSTRUCTION SPECIFICATIONS:**
- Dike shall be constructed by earthmoving equipment.
  - All dikes shall have a minimum top width of 4 feet.
  - The dike shall be constructed on a slope that is stabilized with mulch.
  - Earth dikes shall have an upper and lower slope with a minimum of 2:1.
  - Earth dikes shall be constructed in such a manner that erosion and water pollution shall be minimized.
  - The dike shall be constructed in such a manner that erosion and water pollution shall be minimized.
  - The dike shall be constructed in such a manner that erosion and water pollution shall be minimized.
  - The dike shall be constructed in such a manner that erosion and water pollution shall be minimized.

**EARTH DIKE DETAIL (E.D.)**  
NO SCALE



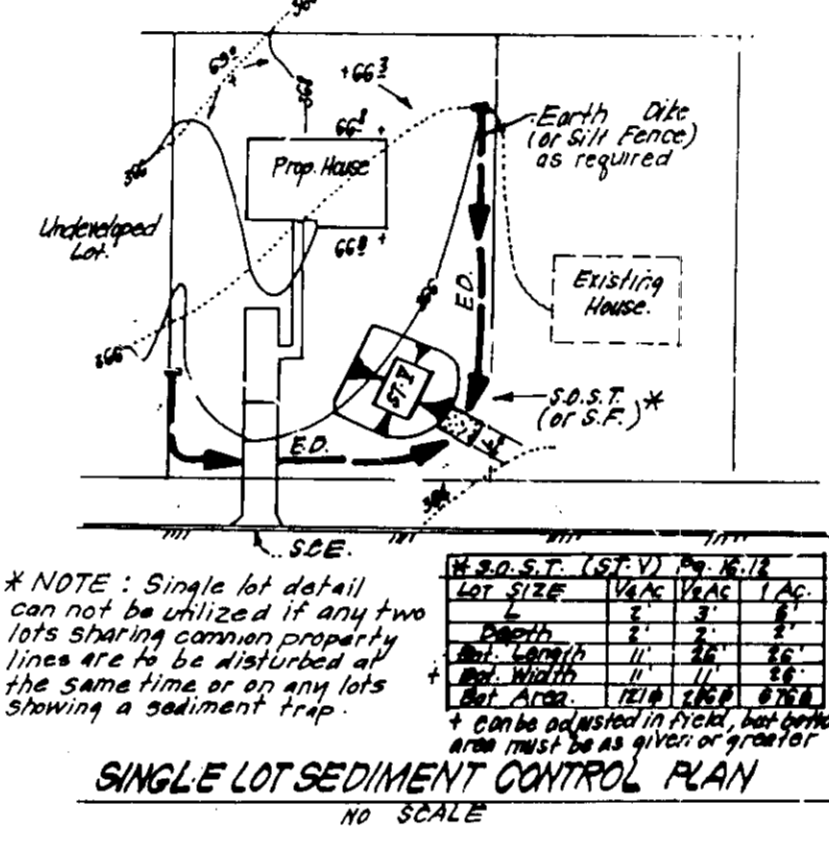
- CONSTRUCTION SPECIFICATIONS:**
- Stone size: Use 2" stone or equivalent in crushed concrete equipment.
  - Length: As required, but not less than 50 feet, except on a single residence lot where a 30 foot minimum length would apply.
  - Thickness: Not less than six (6) inches.
  - Width: Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
  - Filter Cloth: Will be placed over the entire area prior to placing of stone. Filter cloth will be required over slope (unless residence lot).
  - Surface Water: All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mainable berm with 3:1 slopes will be constructed.
  - 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 and repair and/or cleaning of any equipment used to trap sediment. All sediment applied, 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.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**  
NO SCALE



- 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.

**BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL**  
NO SCALE



**SINGLE LOT SEDIMENT CONTROL PLAN**  
NO SCALE

CONSTRUCTION SEQUENCE	No. of Days
A. Obtain Grading Permit	7
B. Install Sediment & Erosion Control Devices, Tree Protection Fence & Stabilize	7
C. Excavate for foundations and Rough Grade & Temporarily Stabilize	60
D. Construct Structures, Sidewalks and Driveways	14
E. Final Grade and stabilize in accordance with Stds. & Specs.	7
F. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	7

Reviewed for HOWARD S.C.D. Name: John R. Polunsky and meets technical requirements and meets technical requirements and meets technical requirements. Signature: John R. Polunsky 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.  
Signature: Michael Pfau Date: 9-4-92

**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: B. Nelson Clark Date: 9-4-92



**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT**  
Signature: John R. Polunsky Date: 4-20-93  
**APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING**  
Signature: Richard Blood Date: 4/26/93  
**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS**  
Signature: John R. Polunsky Date: 4-22-93  
**CHIEF BUREAU OF ENGINEERING**  
Signature: John R. Polunsky Date: 4-12-93

DEVELOPER:  
Land Design & Development, Inc.  
10805 Hickory Ridge Rd.  
Columbia, Md. 21044

**PERMANENT SEEDING NOTES:**  
Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.  
**Soil 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 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding.  
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.  
3) Alternative - 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.  
**Seeding:** For the periods March 1 thru April 30, and August 1 thru October 15, seed with 50 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 (.07 lbs/1000 sq ft) of seeding lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of 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 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:**  
Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.  
**Soil 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 (14 lbs/1000 sq ft).  
**Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 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 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 untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.  
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for details and methods not shown.

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permit prior to the start of any construction. (CDS-2-37)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redisturbance, 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) 15 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 perimeter 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) and (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding rates 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: 2.08 Acres  
Area Disturbed: 0.78 Acres  
Area to be roofed or paved: 0.61 Acres  
Area to be vegetatively stabilized: 0.17 Acres  
Total Cut: 1000 Cu. Yds.  
Total Fill: 5000 Cu. Yds.  
Off-site waste/borrow areas: None
- 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 DTM 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 inspection approval by the inspection agency is made.
- If houses are to be constructed on an "As-Built" basis, at a minimum, Single Lot Sediment Control as shown below shall be implemented.
- All erosion control structures shall be checked at the end of each day (see detail section, V/A).
- The total amount of straw bale/dikes/silt fence equals = 0.

\* It is the responsibility of the contractor to identify the spoil/borrow site and notify HSCOD of the site and its grading permit number at the time of construction.

**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINTHRELL WAY • COLUMBIA, MD 21045 • (410) 997-7900 • BALTO • (410) 676-8800 • WASH

DESIGNED BY: KI/WMS  
DRAWN BY: VLP/BAL  
CHECKED BY: KI/WMS  
DATE: Sept 1992

**SEDIMENT & EROSION CONTROL PLAN**  
LOTS 12, 13, 15, 16, 21-23 & 25  
**MARTIN MEADOWS**

SECTION 1 AREA 1  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: TRINITY BUILDERS, INC.  
8212 Devon Drive  
Columbia, Md 21044

SCALE: 1"=30'  
DRAWING NO: 3 OF 3  
JOB NO: 92-150  
FILE NO: 92-150 SE