

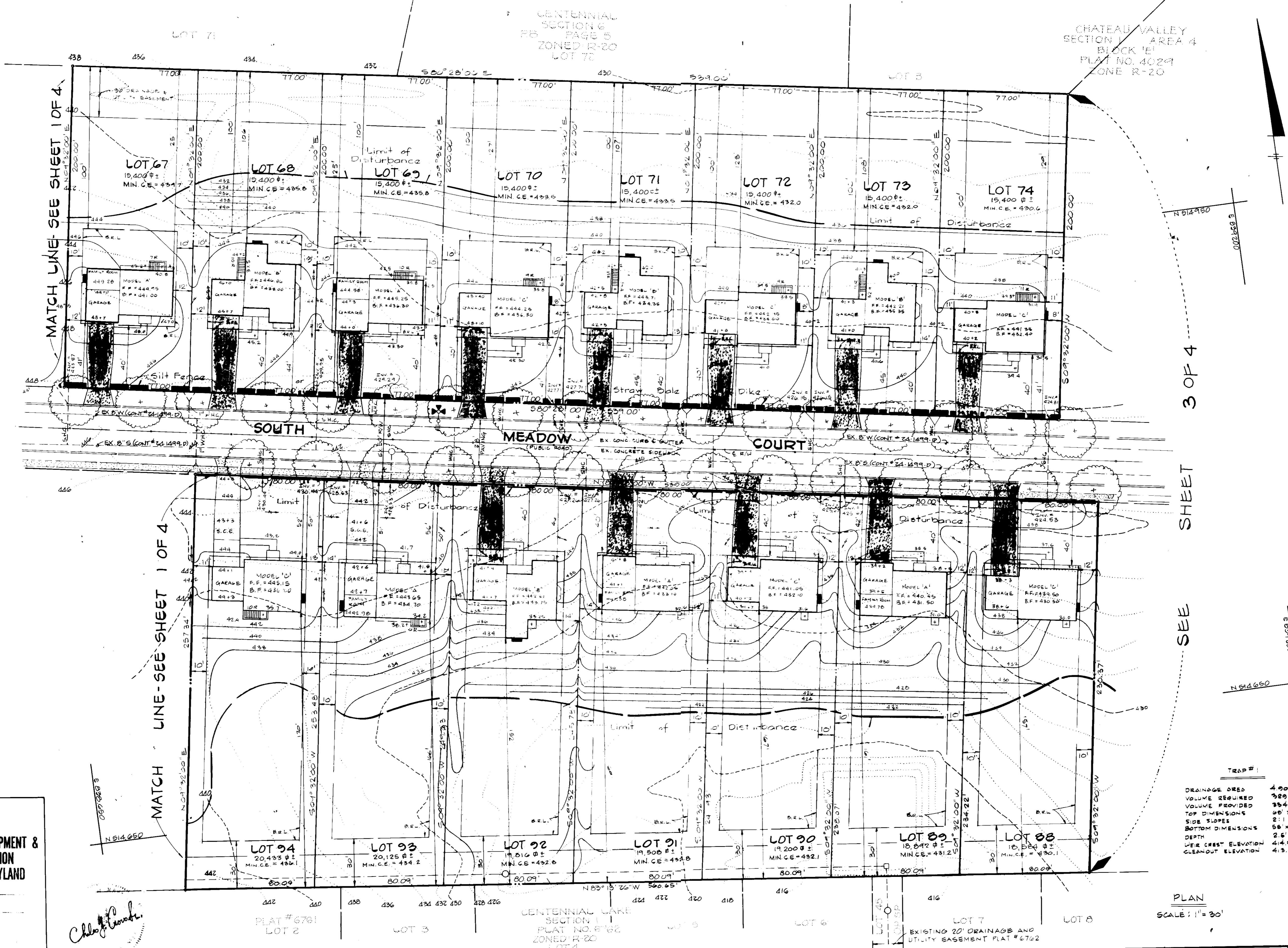
STONE OUTLET
SEDIMENT TRAP

DRAINAGE AREA
VOLUME REQUIRED
VOLUME PROVIDED
TOP DIMENSIONS
BOTTOM DIMENSIONS
SIDE SLOPES
DEPTH
CREST ELEVATION
CLEANOUT ELEVATION

1.38 AC.
92 CU. YDS.
92 CU. YDS.
30 X 52' (@445.0)
22 X 44' (@447.0)
2:1
7.0'
449.0
446.0

E 888190
N 145800

Lot #	Address
97	4482 CROSS COUNTRY DRIVE
98	4480
99	4480
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05	4403 SOUTH MEADOW COURT
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3 OF 4 SHEET SEE

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-8-87

TRAP #	
DRAINAGE DEEP	4.90 ACI
VOLUME REQUIRED	389 CU YDS
VOLUME PROVIDED	364 CU YDS
TOP DIMENSIONS	60' X 62'
SIDE SLOPES	2:1
BOTTOM DIMENSIONS	58' X 52'
DEPTH	2.5'
WEIR CREST ELEVATION	44.50
CLEANOUT ELEVATION	43.00

OWNER / DEVELOPER
CHATEAU BUILDERS
8100 WOODED GLEN COURT
ELLCOTT CITY, MARYLAND 21043
(301) 799-5001

PLAN
SCALE: 1" = 30'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043
(301) 461-2855

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Robert P. Carter
SIGNATURE OF ENGINEER
6/20/87
DATE

DEVELOPER'S CERTIFICATE
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Samuel A. Asrael
SIGNATURE OF DEVELOPER
6/20/87
DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

J. Helms
DATE 6/24/87

U.S. SOIL CONSERVATION SERVICE

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

APPROVED:
Stephen L. Hahn
DATE 6/26/87
DISTRICT OFFICER
HOWARD SOIL CONSERVATION DISTRICT

APPROVED OFFICE OF PLANNING AND ZONING

Upham
DATE 7-27-87
PLANNING DIRECTOR

John W. Mueselmann
DATE 7-24-87
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

Joan Zaulin
DATE 7-20-87
HEALTH OFFICER

APPROVED DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

James J. Lewis
DATE 7/21/87
DIRECTOR, PUBLIC WORKS

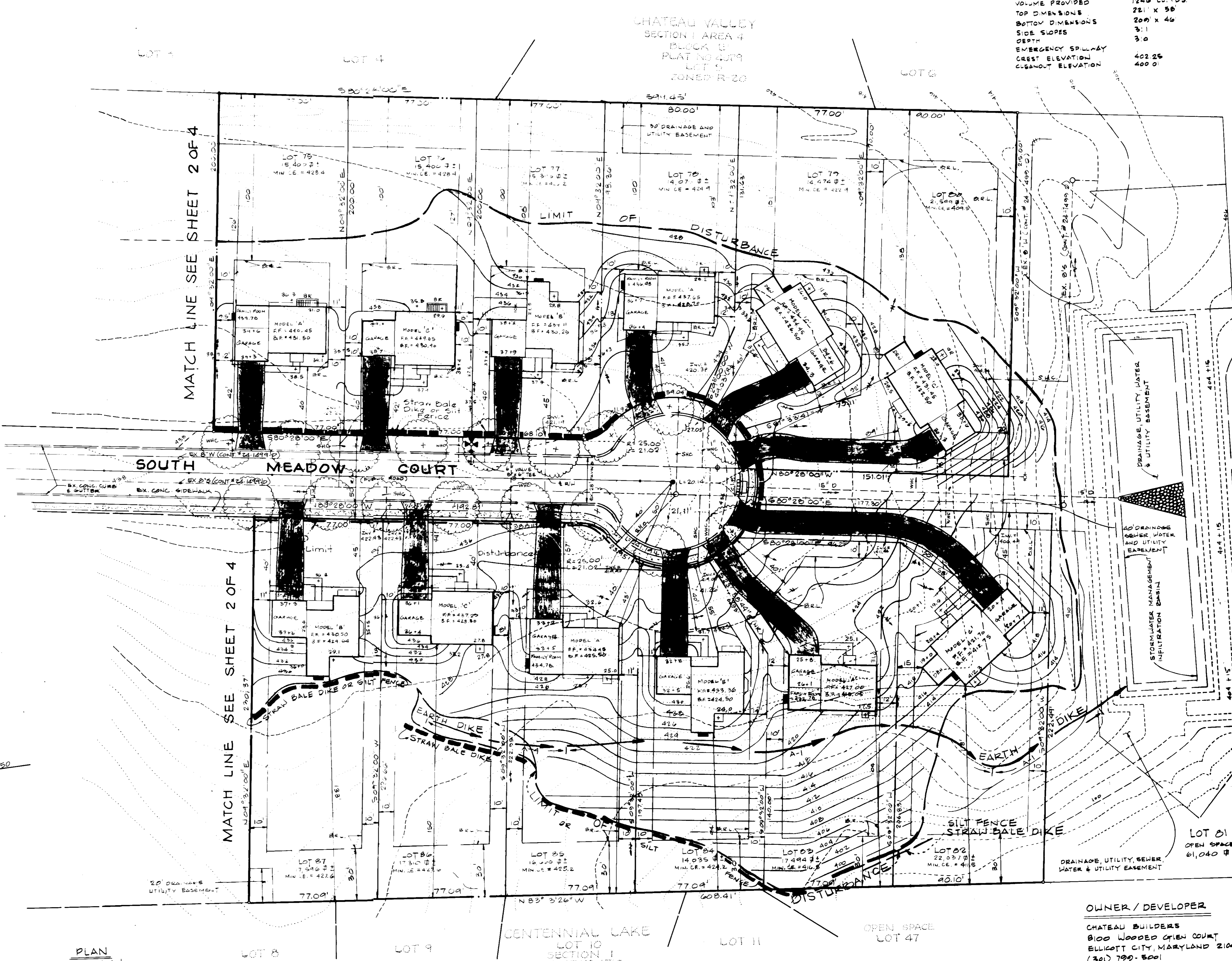
William B. Kelly
DATE 7-20-87
CHIEF, BUREAU OF ENGINEERING

SUBDIVISION	SECTION/AREA	LOT NOS
THE WILLOWS	2	97, 80, 101-107
PLAT NO./L.F.	BLOCK NO.	ZONE
7297-7240	1 & 2	R-20
TAX/ZONE	ELEC. DIST.	CENSUS TR.
30	2ND	6023-01
WATER CODE	SEWER CODE	
F-10	3702000	

SITE DEVELOPMENT PLAN
THE WILLOWS
SECTION 2
LOT 57-97

TAX MAP 30 PARCEL 215
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' SHEET 3 OF 4 April 7, 1987
SDP-67-201

SEDIMENT BASIN	
DRAINAGE AREA	12.41 AC ±
VOLUME REQUIRED	831 CU. YDS.
VOLUME PROVIDED	1246 CU. YDS.
TOP DIMENSIONS	281' X 58'
BOTTOM DIMENSIONS	209' X 46'
SIDE SLOPES	3:1
DEPTH	3.0
EMERGENCY SPILLWAY	422.25
CREST ELEVATION	400.0
CUTANOUT ELEVATION	400.0



APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-8-87



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8388 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043
(301) 461-2855

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: Charles J. Fisher
Date: 4/23/87

DEVELOPER'S CERTIFICATE
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Signature: Ann A. Israel
Date: 4/26/87

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

Signature: J. Kelmitz
Date: 4/26/87

U.S. SOIL CONSERVATION SERVICE

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

Signature: Stephen L. Hahn
Date: 4/26/87

DISTRICT HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING

Signature: [Signature]
Date: 7-27-87

PLANNING DIRECTOR

Signature: [Signature]
Date: 7-27-87

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

Signature: Joyce W. [Signature]
Date: 7-21-87

HEALTH OFFICER

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

Signature: James A. [Signature]
Date: 7/21/87

DIRECTOR, PUBLIC WORKS

Signature: [Signature]
Date: 7-20-87

CHIEF, BUREAU OF ENGINEERING

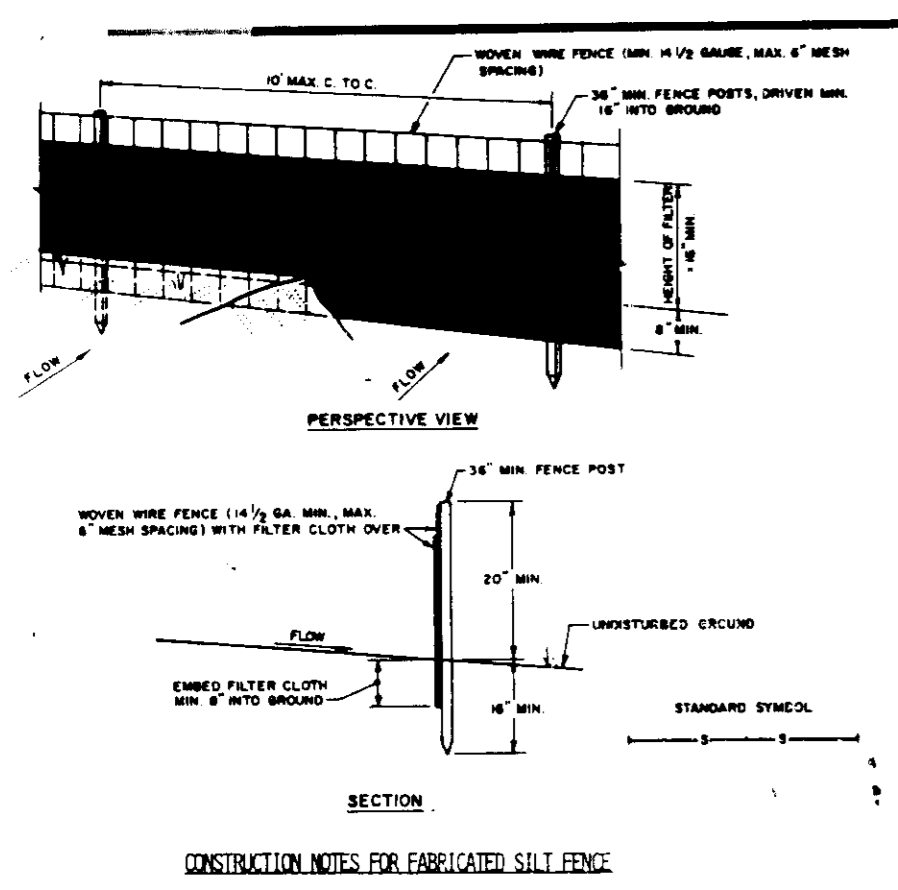
SUBDIVISION: THE WILLOWS
SECTION/AREA: 2
LOT NOS.: 57-80, 81, 82

PLAT NO./L.F.: 1231-7140
BLOCK NO.: 102
ZONE: R-20
TAX/ZONE: 30
ELEC. DIST.: 2ND
CENSUS TR.: 0005.01

WATER CODE: F-12
SEWER CODE: 9720200

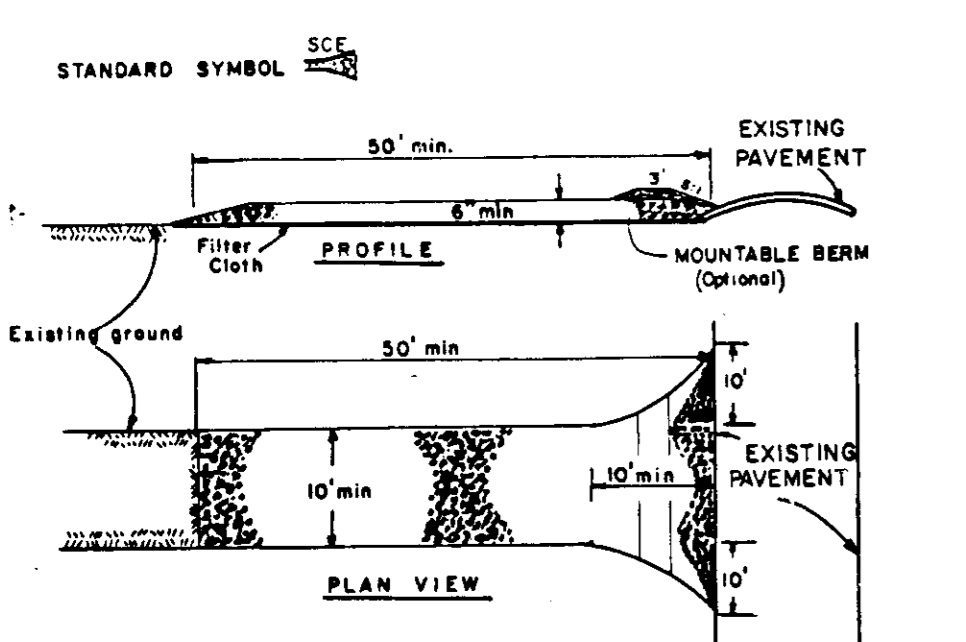
SITE DEVELOPMENT PLAN
THE WILLOWS
SECTION 2
LOTS 57-82

TAX MAP 30 PARCEL 213
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=30' SHEET 3 OF 4 April 7, 1987
SDP-87-201



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:**
- MONY WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO MONY WIRE FENCE WITH TIES SPACED EVERY 4" TO MAX. 6" ON SLOPE.
 - MONY WIRE FENCE (14" GA. MIN. MAX. 16" MAX. SPACING) WITH FILTER CLOTH OVER.
 - WHEN THE SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND PERIODIC INSPECTIONS SHALL BE MADE TO DEVELOP IN THE SILT FENCE.

SILT FENCE
NOT TO SCALE



- 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 simple residential lot where a 30 foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) foot 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 will not be required on a single family residence lot.
 - Outfall Material - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mounded berm with six slopes will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures 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
NOT TO SCALE

PERMANENT SEEDING NOTES:

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

SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (90 LBS/1000 SQ. FT.) AND 500 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. SHALLOW DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.).
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (90 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. SHALLOW DISC INTO UPPER THREE-INCHES OF SOIL.

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 80 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 (1.05 LBS/1000 SQ. FT.) OF KEEPING 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 SOO; 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 GRASS 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 FT. OR HIGHER, USE 348 GAL 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.

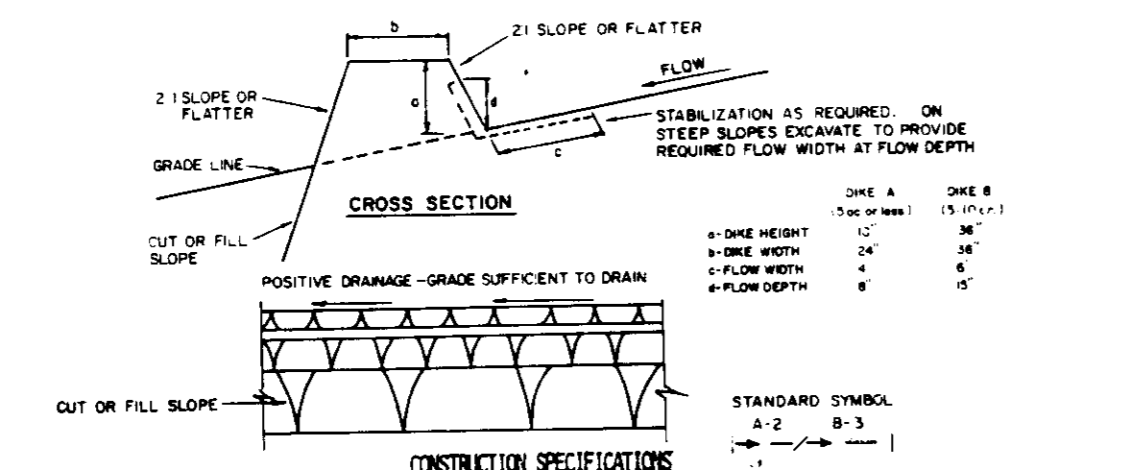
SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

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 RYE (3.2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LOVEGRASS (1.07 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 SOO.

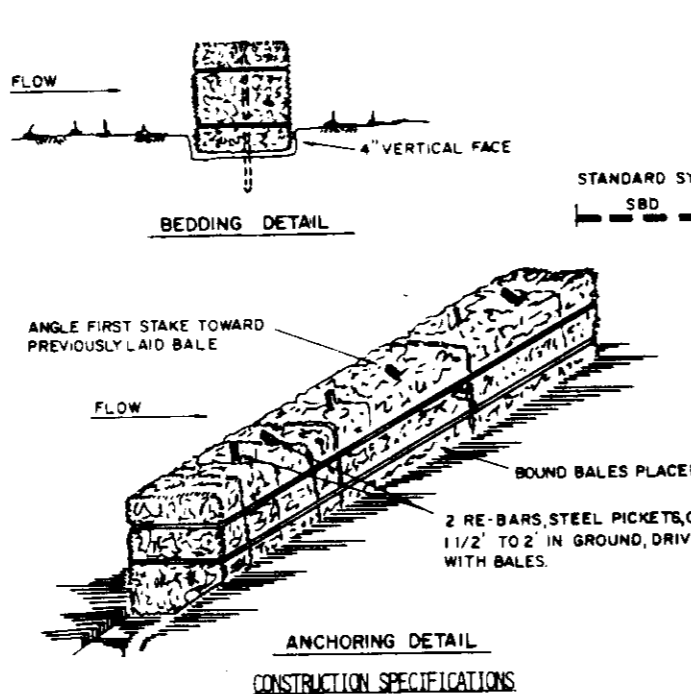
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES, 8 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

REFER TO THE 1993 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



- CONSTRUCTION SPECIFICATIONS:**
- All dikes shall be compacted by earth-moving equipment.
 - All dikes shall have positive drainage to an outlet.
 - Diets location shall be adjusted as needed to utilize a stabilized safe outlet.
 - Diets location shall be adjusted as needed to utilize a stabilized safe outlet.
 - Earth dikes shall have an outlet that functions with a minimum of erosion. The outlet shall be compacted to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not separately stabilized.
 - Stabilization shall be: (a) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season; (b) flow channel, as per the chart below.
- | TYPE OF TREATMENT | CHANNEL WIDTH | DIKE A | DIKE B |
|-------------------|---------------|----------------------------------|--|
| 1 | 5-3.0' | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 2 | 3.1-5.0' | SEED AND STRAW MULCH | SEED USING JUTE, OR EXCELUTION SOO; 2" STONE |
| 3 | 5.1-8.0' | SEED WITH JUTE, OR SOO; 2" STONE | LINED RIP-RAP 4-8" |
| 4 | 8.1-20' | LINED RIP-RAP 4-8" | ENGINEERING DESIGN |
- A. Stone to be 2 inch stone, or recycled concrete equivalent, in a layer at least 3 inches in thickness and be pressed into the soil with construction equipment.
- B. Rip-rap to be 4-8 inches in a layer at least 8 inches thickness and pressed into the soil.
- C. Approved equivalents can be substituted for any of the above materials.
7. Periodic inspection and needed maintenance must be provided after each rain event.

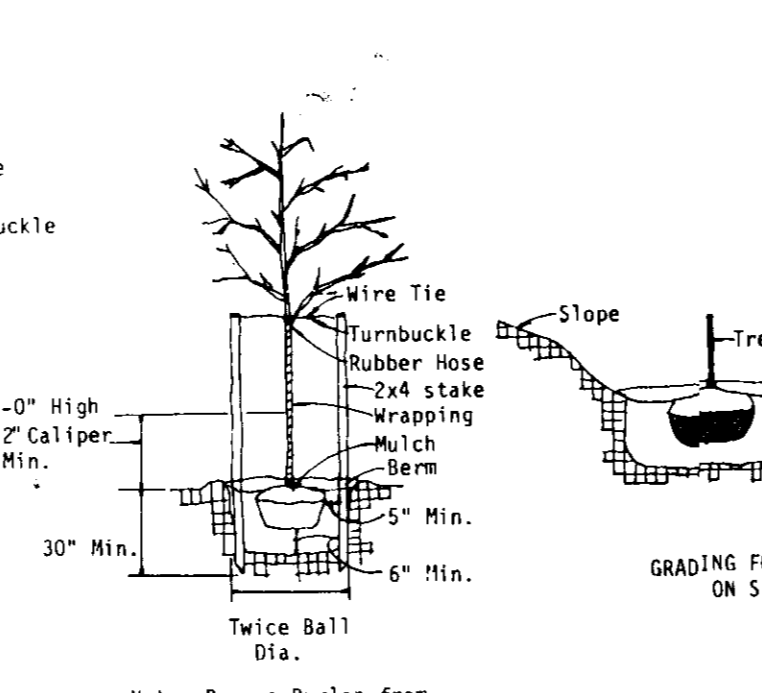
EARTH DIKE
NOT TO SCALE



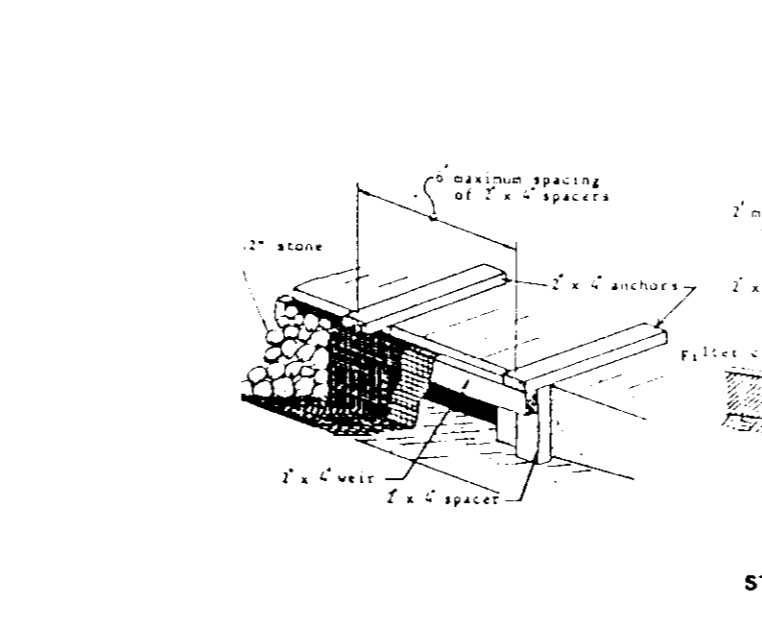
- CONSTRUCTION SPECIFICATIONS:**
- Bales shall be placed at the toe of a slope or on the contour and in a row with each tightly abutting the adjacent bales.
 - Each bale shall be embedded in the soil a minimum of (6) inches, and placed so the bindings are horizontal.
 - Bales shall be securely anchored in place by either two stakes or rebar driven through the bale. The first stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
 - Inspection shall be frequent and repair replacement shall be made promptly as needed.
 - Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE DIKE
NOT TO SCALE

- SEDIMENT CONTROL NOTES:**
- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
 - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1993 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. 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 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 1993 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (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.
 - 7) SITE ANALYSIS:
 - TOTAL AREA OF SITE
 - AREA DISTURBED
 - AREA TO BE ROOFED OR PAVED
 - AREA TO BE VEGETATIVELY STABILIZED
 - TOTAL CUT
 - TOTAL FILL
 - OFFSITE WASTE/BORROW AREA LOCATION
 - 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR THE PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 - 9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPA SEDIMENT CONTROL INSPECTOR.

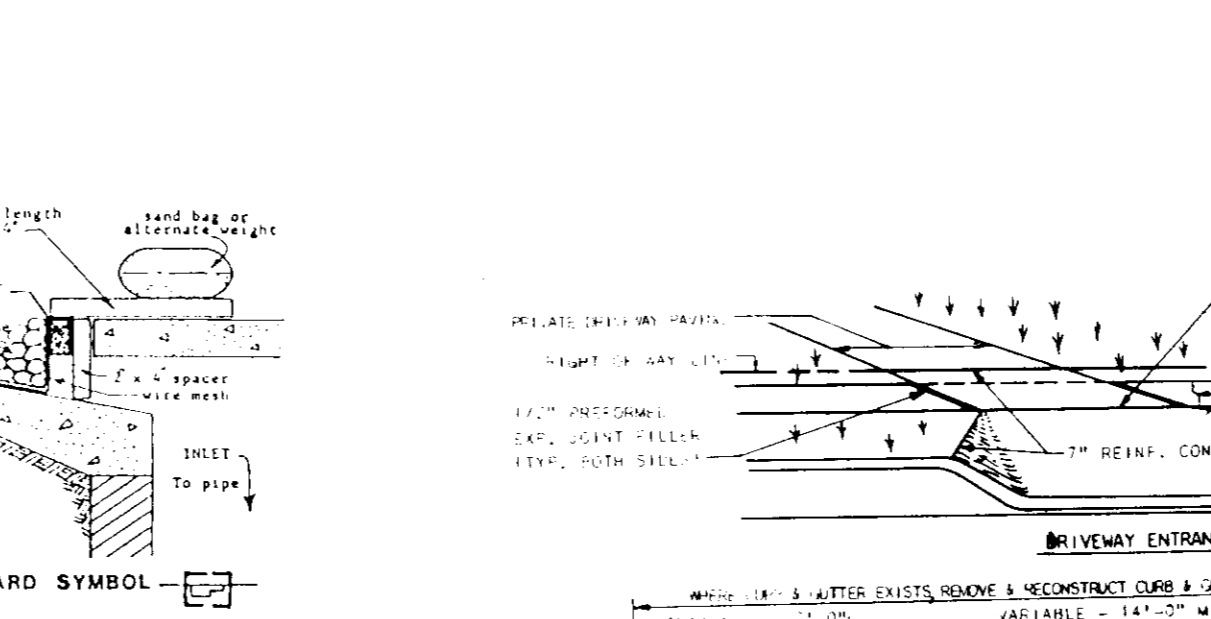
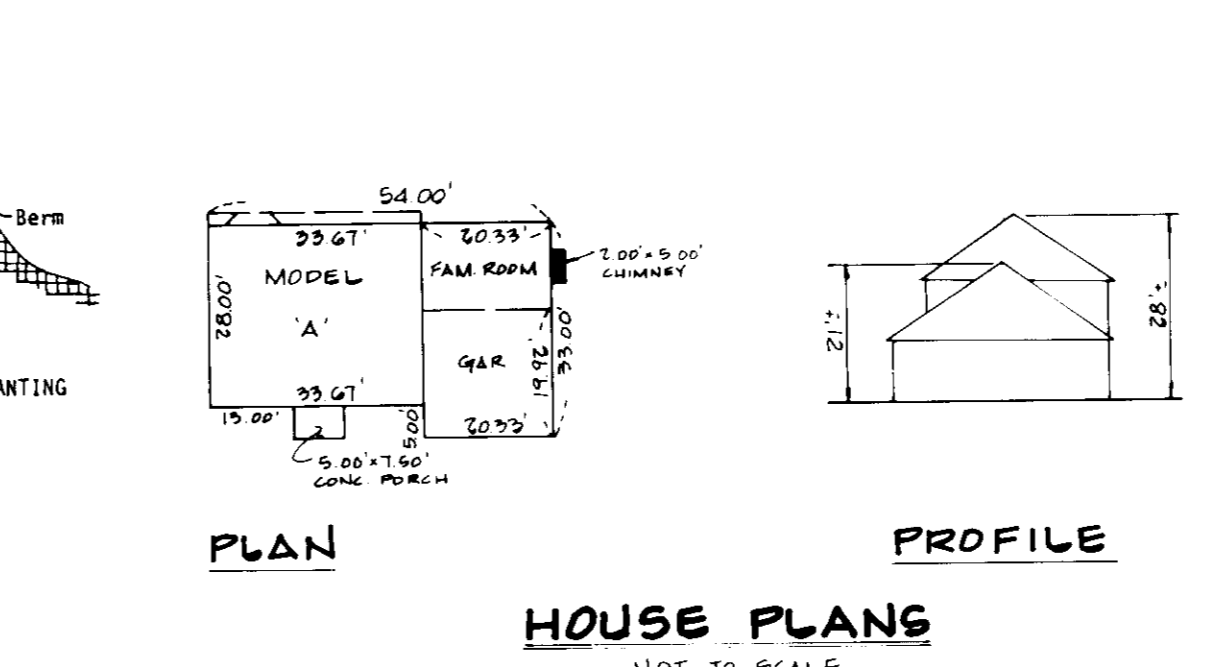
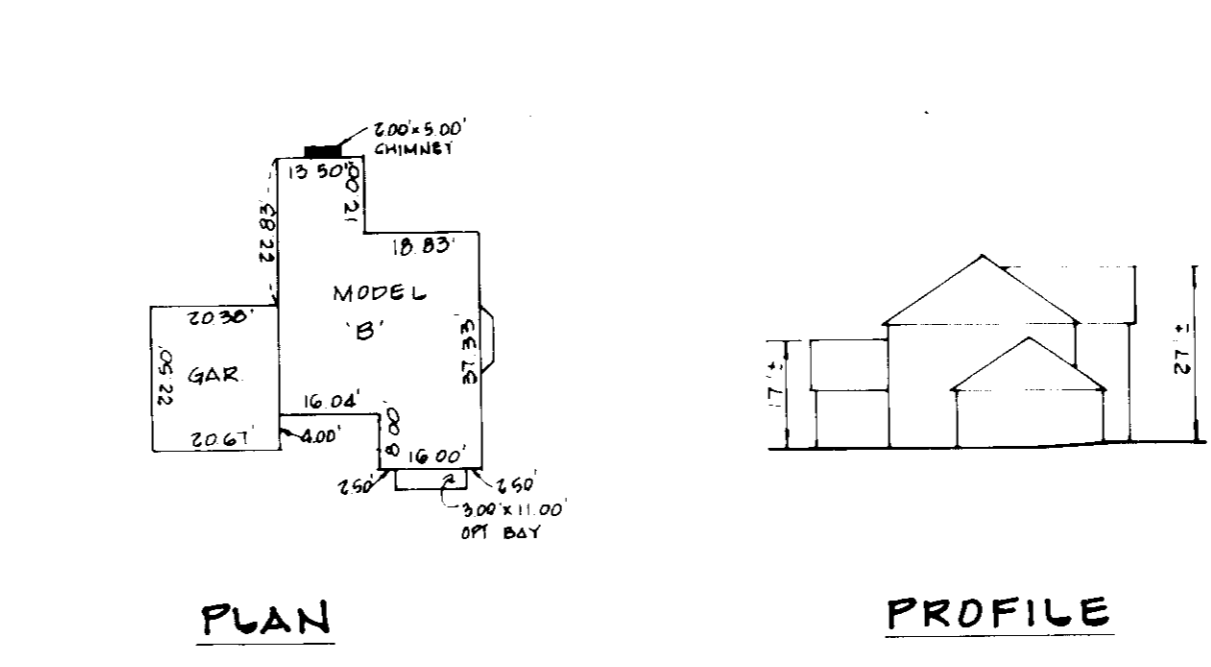
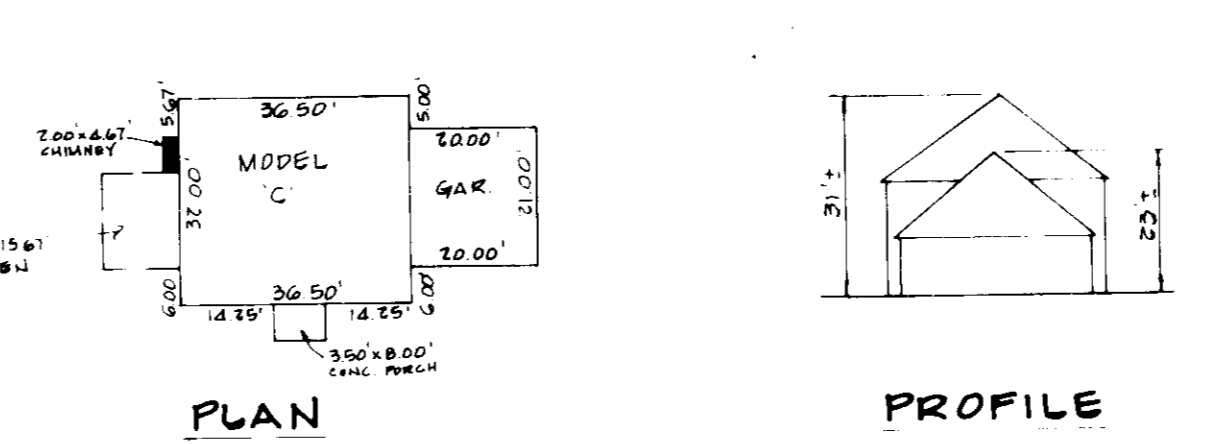


TREE PLANTING DETAIL
NOT TO SCALE



Curb Inlet Protection
Not to Scale

- Bales shall be placed at the toe of a slope or on the contour and in a row with each tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a minimum of (6) inches, and placed so the bindings are horizontal.
- Bales shall be securely anchored in place by either two stakes or rebar driven through the bale. The first stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
- Inspection shall be frequent and repair replacement shall be made promptly as needed.
- Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.



Typical Driveway Entrance
Not to Scale

- Attach a continuous piece of wire mesh (30" min. width by 24" length) plus 4" to the 2" x 4" w/ice (measuring throat length plus 2") as shown on the standard drawing.
- Place a piece of approved filter cloth (40-85 gals) over the wire mesh and securely attach to the 2" x 4" w/ice.
- Securely nail the 2" x 4" w/ice to 8" long vertical stakes to be located between the w/ice and inlet face (max. 6" apart).
- Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the w/ice at spaced locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
- The assembly shall be placed so that the end appears as a minimum 1" beyond both ends of the throat opening.
- Form the wire mesh and filter cloth to the concrete gutter and repair both the face of curb on both sides of the inlet. Place Clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
- This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
- Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes adjacent flow into inlet.

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-8-87

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043
(301) 461-2855

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Charles F. Fisher*
DATE: 6/22/87

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Signature: *Richard H. Zrael*
DATE: 6/26/87

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

Signature: *J. Kelm*
DATE: 6/26/87

U.S. SOIL CONSERVATION SERVICE

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

Signature: *Stephen L. Fink*
DATE: 6/26/87

HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING

Signature: *William A. ...*
DATE: 7-27-87

PLANNING DIRECTOR

Signature: *Richard H. Zrael*
DATE: 7-24-87

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

Signature: *James S. ...*
DATE: 7-22-87

HEALTH OFFICER

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS

Signature: *James M. ...*
DATE: 7/26/87

DIRECTOR, PUBLIC WORKS

Signature: *Richard H. Zrael*
DATE: 7-20-87

CHIEF, BUREAU OF ENGINEERING

SUBDIVISION: THE WILLOWS
SECTION: 2
LOT NOS: 57-201, 202, 203

PLAT NO: 7297-7240
BLOCK NO: 1 & 2
ZONE: R-20
TAX/ZONE: 30
ELEC. DIST: 2ND
CENSUS TR: W023.01

WATER CODE: F-15
SEWER CODE: 9720.00

NOTES AND DETAILS

THE WILLOWS

SECTION 2

LOTS 57-27

TAX MAP 30 PARCEL 213

2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1"=30' SHEET 4 OF 4

APRIL 7, 1987

SDP-87-201

OWNER / DEVELOPER
CHATEAU BUILDERS
8100 WOODED GLEN COURT
ELLCOTT CITY, MARYLAND 21043
(301) 799-5001