SHEET INDEX

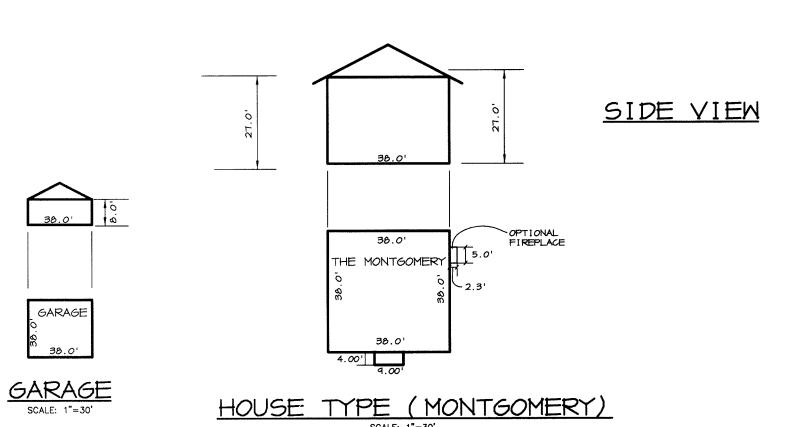
1 SITE DEVELOPMENT PLAN/ LANDSCAPE PLAN EROSION & SEDIMENT CONTROL, NOTES AND DETAILS

GENERAL NOTES

- 1. SUBJECT PROPERTY IS ZONED R-ED PER 10/18/93 COMPREHENSIVE ZONING PLAN.
- 2. THE TOTAL AREA INCLUDED IN THIS SUBMISSION IS: 18,971 sq.ft.
- THE NUMBER OF LOTS INCLUDED IN THIS SUBMISSION IS: 2
- IMPROVEMENT TO PROPERTY: SINGLE FAMILY DETACHED
- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, i.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM APPROVED WATER AND SEWER PLANS CONTRACT #24-3407-D AND APPROVED ROAD CONSTRUCTION PLANS F-95-99. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAY BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

410-725-9976 BELL ATLANTIC TELEPHONE COMPANY 410-313-4900 HOWARD COUNTY BUREAU OF UTILITIES 410-393-3553 AT&T CABLE LOCATION DIVERSION 410-685-0123 BALTIMORE GAS & ELECTRIC COMPANY 410-531-5533 STATE HIGHWAY ADMINISTRATION HOWARD COUNTY BUREAU OF CONSTRUCTION INSPECTION 410-313-1880 DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)

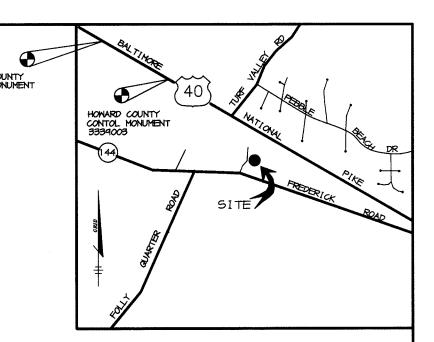
- THE CONTRACTOR TO NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- 11. EX. TOPO IS FINAL GRADES FROM F-95-99. CONTOURS AT 2 FOOT INTERVALS.
- 12. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 13. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- SEE DEPARTMENT OF PLANNING AND ZONING FILE No.'s F-93-65, F-93-115, WP-92-114, S-94-02, P94-24, AND F-95-99, PB-291.
- 15. STORMWATER MANAGEMENT IS PROVIDED FOR THIS DEVELOPMENT UNDER F-95-99
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- 17. PUBLIC WATER AND SEWER FOR THIS LOT IS PROVIDED UNDER CONTRACT DRAWINGS NO. 24-3407-D.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- 19. DRIVEWAY ENTRANCE TO BE PER HOWARD COUNTY STANDARD DETAIL R-6.03.
- 20. EXISTING SEDIMENT CONTROL DEVICES MAY NEED TO BE ADJUSTED DURING HOUSE CONSTRUCTION



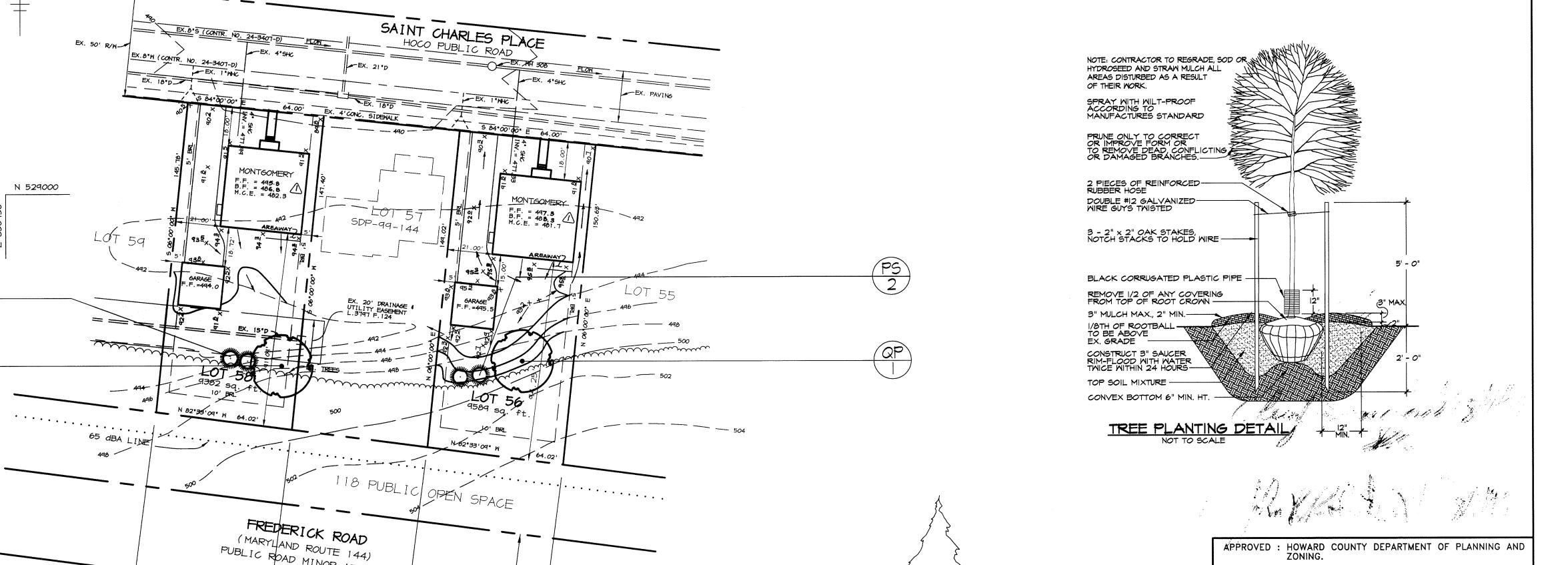
BENCHMARKS

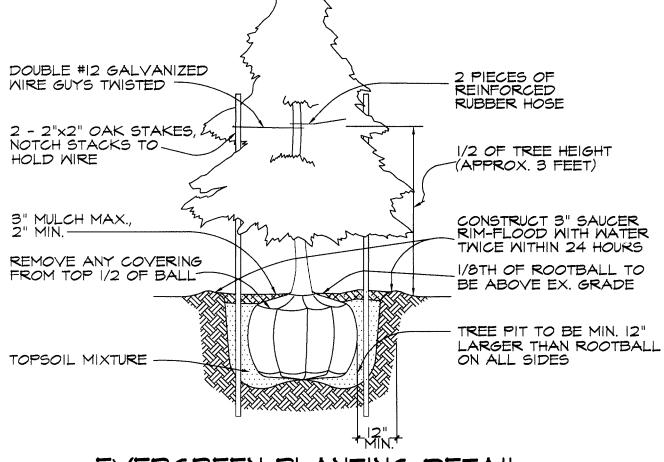
REBAR AND CAP SET FLUSH WITH GROUND CENTERLINE STATION 0+64 MD RTE 144 (FREDERICK RD) 75' LEFT OF CENTERLINE

REBAR AND CAP SET FLUSH WITH GROUND CENTERLINE STATION 17+67 MD RTE 144 (FREDERICK RD) 422' LEFT OF CENTERLINE



VICINITY MAP





EVERGREEN PLANTING DETAIL

NOTES:
1) "THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE .
2) "FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$ 1,200 .
3) CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.

N 52875b

DEVELOPER'S/BUILDER'S CERTIFICATE:
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO
THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY
LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A CERTIFICATION OF
LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MAYERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
$N_{\rm tot} = 1/2$
(1) (1) X (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
-1100 y W Comment of 5/11
NAME DATE

PUBLIC ROAD MINOR ARTERIAL

PLAN SCALE: 1"=30"

N 529*000*

N 528750

ADDRESS CHART LOT NUMBER STREET ADDRESS 3116 SAINT CHARLES PLACE 3108 SAINT CHARLES PLACE LOT 58 JBDIVISION NAME: SECT./AREA: 56 & 58 TERRA MARIA BLOCK #: ZONE: TAX MAP NO.: ELECT. DIST.: CENSUS TRACT: 6023.01 11996-11997 23 R-ED WATER CODE: SEWER CODE:

J01, H07

5992000



11-17 99 MODIFIED FF ELEV. ON LOT 56 & 58, ADJUSTED GARAG DATE NO. REVISION OWNER / DEVELOPER CATOCTIN HOMES INC. P.O. BOX 512 ELLICOTT CITY, MD 21041 (410) 772-5804 **PROJECT** TERRA MARIA LOTS 56 \$ 58 TAX MAP NO. 16 PARCEL 416 2nd ELECTION DISTRICT

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND

CHIEF, DEVELOPMENT ENGINEERING DIVISION

Hamilton

CHIEF, DIVISION OF LAND DEVELOPMENT

Unds

8/10/99

DATE

HOWARD COUNTY, MARYLND TITLE SITE DEVELOPMENT PLAN / LANDSCAPE PLAN

RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING ● ENVIRONMENTAL SERVICES ● PLANNING ● SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045

> tel 410.997.8900 fax 410.997.9282 DATE



DESIGNED BY : KCB DRAWN BY: KCB PROJECT NO :99157\
SDP1.DWG DATE : AUGUST 3, 1999 SCALE : AS SHOWN DRAWING NO. 1 OF 2

TEMPORARY SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously

Soll Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.).

Seeding: For periods March | thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs. per 1000 sq.ft.). For the period May I thru August 14, seed with 3 lbs. per acre of meeping lovegrass (0.07 lbs. per 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 possible in the spring, or use sod.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring. per 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.

PERMANENT SEEDING NOTES Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed. Seedbed Preparation , Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previous!

<u>Soll Amendments</u>: <u>In lieu of soll test recommendations</u>, use one of the following schedules:

- Preferred Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs. per 1000 sq.ft.).
- 2) Acceptable Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertillzer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil

Seeding: For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 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 (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 20, protect site by one of the following aptions.

- 1) 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- 3) Seed with 60 lbs. per acre Kentucky 3! Tail Fescue and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs.

STANDARD SEDIMENT CONTROL NOTES

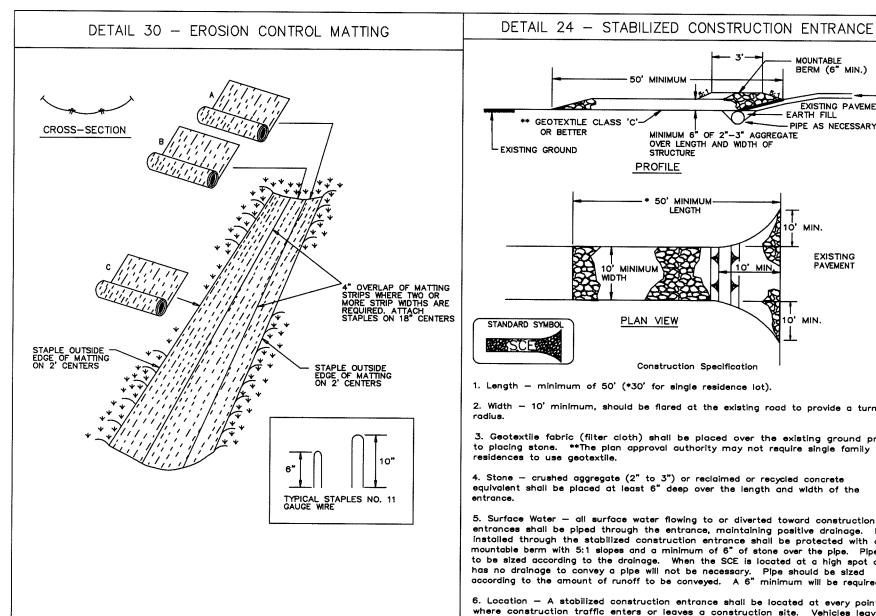
- 1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- 1992H MARY LYANGE TOTAN COLARGO AND AND FIRESTELLIA STANCE OF A ROOM OF THE STANCE OF TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE CONTROL AND REVISIONS THERETO.
- FOR ALIFOLDERNIMETERN ISETALMENTI LCONTEXOLIREANNUE TORRERE, DI BREERBANDER, METERNAMENPESOR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS AND ALL SLOPES STEEPER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 5. 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 SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. 6.). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHED
- 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 AREA DISTURBED AREA TO BE ROOFED OR PAVED

AREA TO BE VEGETATIVELY STABILIZED TOTAL CUT OFFSITE WASTE/BORROW AREA LOCATION

OR GRADED AREAS ON THE PROJECT SITE.

- 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF
- 9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY 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 IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- 12. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- 13. SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- 14. CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY AFFECT THE WORK.



between staples.

SOIL CONSERVATION SERVICE

EROSION CONTROL MATTING

1. Key—in the matting by placing the top ends of the matting in a

narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the channel cross—section. Secure with a row of staples

about 4" down slope from the trench. Spacing between staples is 6".

2. Staple the 4" overlap in the channel center using an 18" spacing

3. Before stapling the outer edges of the matting, make sure the

4. Staples shall be placed 2' apart with 4 rows for each strip, 2

5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shiplap fashion. Reinforce the overlap with a double row of staples

Note: If flow will enter from the edge of the matting then the area

INSTALL STABILIZED CONSTRUCTION ENTRANCE.

SILT FENCE, AND EARTH DIKE. (1 DAY)

BEGIN HOME CONSTRUCTION AND GRADING

COMPLETE CONSTRUCTION. (6 MONTHS)

MARYLAND DEPARTMENT OF ENVIRONMENT

UPON PERMISSION FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR

SEQUENCE OF CONSTRUCTION

REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE. (1 DAY)

matting is smooth and in firm contact with the soil.

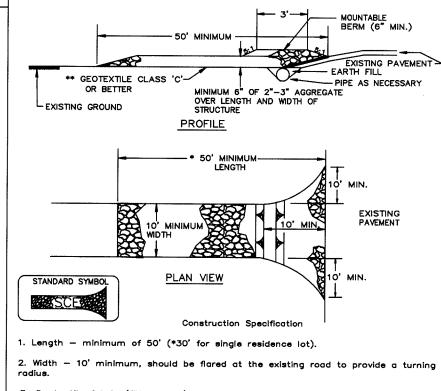
outer rows, and 2 alternating rows down the center.

spaced 6" apart in a staggered pattern on either side.

secured with 2 double rows of staples

effected by the flow must be keyed—in.

6. The discharge end of the matting liner should be similarly



2. Width — 10' minimum, should be flared at the existing road to provide a turning 3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile. 4. Stone — crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the

5. Surface Water — all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.

6. Location — A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance MARYLAND DEPARTMENT OF ENVIRONMENT U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMENT U.S. DEPARTMENT OF AGRICULTURE WATER MANAGEMENT ADMINISTRATION SOIL CONSERVATION SERVICE

DETAIL 31 - TREE PROTECTION TEMPORARY MEASURES ORIGINAL GROUND SURFACE FILL AREAS CUT AREAS 多多 1 9 EXCESSIVE CUT AND FILL WILL KILL THIS TRE IMPROPER PROCEDURE PROPER PROCEDURE

DETAIL 22 - SILT FENCE 10' MAXIMUM CENTER TO DRIVEN A MINIMUM OF 16" INTO GROUND GEOTEXTILE CLASS - 8" MINIMUM DEPTH IN 36" MINIMUM FENCE-PERSPECTIVE VIEW FENCE POST SECTION
MINIMUM 20" ABOVE
GROUND EMBED GEOTEXTILE CLASS F A MINIMUM OF 8" VERTICALLY MINIMUM OF 16" INTO CROSS SECTION STANDARD SYMBOL _____SF _____ JOINING TWO ADJACENT SILT FENCE SECTIONS Construction Specifications . Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 11/2" x 11/2" square (minimum) cut, or 13/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pand per linear foo Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F: Tensile Modulus 20 lbs/in (min.) Test: MSMT 509 0.3 gal ft ³/ minute (max.) Test: MSMT 322 Filtering Efficiency 75% (min.) 3. Where ends of geotextile fabric come together, they shall be overlapped,

folded and stapled to prevent sediment bypass. 4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height. MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION
U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

EX. 1°MHC

N 528750

118 PUBLIC OPEN SPACE

SDP-99-144

MONTGOMERY

EX. 4"SHC

MONTGOMERY

FREDERICK ROAD

(MARYLAND ROUTE 144)

PUBLIC ROAD MINOR ARTERIAL

PLAN SCALE: 1"=30"

F.F. = 494.5 B.F. = 485.5

- 2:1 SLOPE OR FLATTER DIKE A DIKE B b-DIKE WIDTH c-FLOW WIDTH d-FLOW DEPTH CUT OR FILL SLOPE PLAN VIEW STANDARD SYMBOL --/---GRADE 0.5% MIN. 10% MAX. Seed and cover with straw mulch. Seed and cover with Erosion Control Matting or line with sod.
 4" - 7" stone or recycled concrete equivalent pressed into Construction Specifications 1. All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%. 2. Runoff diverted from a disturbed area shall be conveyed to a sediment

DETAIL 1 - EARTH DIKE

3. Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity

4. All trees, brush, stumps, obstructions, and other objectional material shall be removed and disposed of so as not to interfere with the proper

required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow. 6. Fill shall be compacted by earth moving equipment. 7. All earth removed and not needed for construction shall be placed so that

LOT 55

AMNING BOARD

of HOWARD COUNTY

CLEAR WATER DIVERSION PIKE

8. Inspection and maintenance must be provided periodically and after each rain event. U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SDIL CONSERVATION SERVICE A - 1 - 6 WATER MANAGEMENT ADMINISTRATION U.S. DEPARTMENT OF AGRICULTURE

5. The dike shall be excavated or shaped to line, grade and cross section as

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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICI.

DEVELOPER

BY THE ENGINEER

BY THE DEVELOPER

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.

ENGINEER

8.3.99

/ DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

NATURAL RESOURCES CONSERVATION SERVICE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION

AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

PPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

CHIEF, DEVELOPMENT ENGINEERING DIVISION Hamilton

CHIEF, DIXISION OF LAND DEVELOPMENT

DATE NO. REVISION

OWNER / DEVELOPER

CATOCTIN HOMES INC. P.O. BOX 512 ELLICOTT CITY, MD 21041

(410) 772-5804

PROJECT TERRA MARIA

LOTS 56 \$ 58 AREA TAX MAP NO. 16 PARCEL 416 2nd ELECTION DISTRICT

TITLE EROSION & SEDIMENT CONTROL/ NOTES AND DETAILS

HOWARD COUNTY, MARYLND

RIEMER MUEGGE & ASSOCIATES, INC.

ENGINEERING ● ENVIRONMENTAL SERVICES ● PLANNING ● SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282



DESIGNED BY: KCB DRAWN BY: KCB PROJECT NO :99157\
SDP2.DWG DATE : AUGUST 3,1999 SCALE : AS SHOWN

DRAWING NO. 2 OF 2 ARTHUR E. MUEGGE #8707 SDP-99-165

ADJACENT TO PROPERTY PERIMETER 1 (LOT 58) 2 (LOT 56) _ANDSCAPE TYPE INEAR FEET OF ROADWAY ± 65' ± 65' FRONTAGE/ PERIMETER CREDIT FOR EXISTING VEGETATION NO, LINEAR FEET) NO NO DESCRIBE BELOW IF NEEDED) CREDIT FOR WALL, FENCE OR BERM YES, NO, LINEAR FEET) NO NO DESCRIBE BELOW IF NEEDED) NUMBER OF PLANTS REQUIRED SHADE TREES @1/50'= 1 @1/40'= 2 @1/50' = 1 @1/40' = 2 EVERGREEN TREES SHRUBS NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES SMALL FLOWERING TREES SHRUBS

\$ 1,200

\$600

SCHEDULE A - PERIMETER LANDSCAPE EDGE

PLANT LIST										
SYMBOL	QTY.	SCIENTIFIC/ COMMON NAME	SIZE	ROOT	SPACING	SURETY AMT. EACH	TOTAL			
QP	2	QUERCUS PALUSTRIS PIN OAK	21/2"- 3" CAL	B≰B	PLANT AS SHOWN	\$ 300	\$ 600			
PS	4	PINUS STROBUS EASTERN WHITE PINE	5' - 6' HT.	В≰В	PLANT AS SHOWN	\$ 150	\$ 600			

SURETY

0.44 ACRES

0.29 ACRES

0.14 ACRES

0.15 ACRES

200 CU. YARDS 200 CU. YARDS

> PROP. SHADE TREE PROP. EVERGREEN TREE \sim EXISTING TREE LINE

N 529000 ·····

N 528750

PLANTING LEGEND

\$600

PLANT LIST NOTES: 1) SURETY AMOUNT IS BASED ON REQUIRED LANDSCAPE MATERIAL ONLY