

NOTE: ALL REQUIRED PERIMETER AND STORMWATER MANAGEMENT LANDSCAPING, 10 PER F-99-56 ROAD DRAWINGS.

MOONSHINE HOLLOW

- * - WINDOW WELL REQUIRED
- W - WALK OUT UNIT
- CNS - CELLAR NOT SERVICED (BASEMENT SEWER SERVICE SHALL BE PROVIDED BY PRIVATE ON SITE PUMPING UNITS)

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
[Signature] 8/21/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION
[Signature] 9/2/99
CHIEF, DIVISION OF LAND DEVELOPMENT
[Signature] 9/15/99
DIRECTOR

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT
[Signature] 8/25/99
HOWARD COUNTY SOIL CONSERVATION DISTRICT

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
[Signature] 8/25/99
USDA - NATURAL RESOURCES CONSERVATION SERVICE

BUILDER'S CERTIFICATE
I/We certify that all development and construction will be done accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this 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 onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.
[Signature] 4/1/99
Signature of Builder

ENGINEER'S CERTIFICATE
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 County Soil Conservation District.
[Signature] 4.5.99
Robert M. Mochi, P.E.

SUBDIVISION NAME		KINGS ARMS LOTS 1 THRU 20			
SECT./AREA	PARCEL #	LIBER & FOLIO	PREVIOUS FILE:		
1/1	169,731 & P/O 732	4636/124 3432/371 4587/589 5/21	S-98-02 P-98-27 F-99-56		
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.	CENSUS
13775-13776	21 & 22	R-SC	47	6th	6069.02
WATER CODE		SEWER CODE			
CO3		7270000			
SCALE: 1" = 30'				DATE: 03/26/99	

date	03-19-99
project	99007-21
illustration	KMB
scale	1" = 30'
approval	RMK

REVISED PER HSCD COMMENTS	09-24-99
SUBMITTED ORIGINAL PLANS FOR SIGNATURE	08-19-99
DATE ORIGINAL TO DISTRICT REVIEW	09-29-99
DATE SUBMITTED TO DISTRICT FOR REVIEW	08-26-99
NO.	0
DESCRIPTION	revisions

SECTION 1, AREA 1 LOTS 1-20
KINGS ARMS
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND
SITE DEVELOPMENT PLAN

RM MOCHI GROUP, P.C.
P.O. Box 10
New Market, MD 21774-0010
10750 A Old National Pike
Pompano, MD 21754-9706
(301) 865-5558
Fax: (301) 865-5111

PERMANENT SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding (if not previously loosened).

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules.

- 1) Preferred - Apply 2 tons per acre Dolomite limestone (92 lbs/1000 sf) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 urea form fertilizer (9 lbs/1000 sf).
- 2) Acceptable - Apply 2 tons per acre Dolomite limestone (92 lbs/1000 sf) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed with 50 lbs per acre (1.4 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period of October 16 through 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 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 215 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) 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.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding (if not previously loosened).

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf).

Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sf). For the period May 1 through August 31, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf). For the period November 16 through 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 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 215 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

Refer to the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not covered.

SEDIMENT CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction. (313-1865)
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control.
3. Following initial soil disturbances or redisturbances, permanent or temporary stabilization shall be completed within: a) 72 hours for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 5 calendar days as to all other disturbed or graded areas on the project site.
4. All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for Permanent Seedings (Sec. G-II) Sod (Sec. G-IV), Temporary Seeding (Sec. G-II) and Mulching (Sec. G-III). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
5. 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.
6. Site Analysis: Total Area of Site: 5.63 Ac. Area to be Disturbed: 3.36 Ac.± Area to be roofed or paved: 1.28 Ac.± Area to be vegetatively stabilized: 3.36 Ac.± Total Cut: 5,250 c.y.± Total Fill: 5,250 c.y.± Off-site Waste/Borrow Area: All excess material shall be transported to a suitable spoil site with appropriate sediment control measures as required.
7. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
8. Additional sediment controls must be provided, if deemed necessary by the Howard County DLP Sediment Control Inspector.
9. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction.

SEDIMENT CONTROL SEQUENCE

1. Obtain all permit approvals and licenses from the appropriate agencies.
2. Notify Howard County Construction Inspection Division (313-1880) at least five (5) working days prior to starting work.
3. Verify all sediment control erosion measures and devices proposed under F-99-56 have been installed. All sediment control devices are to be inspected after each rainfall. Repair sediment control devices as required.
4. Excavate for foundations, rough grade and temporarily stabilize.
5. Construct structures, sidewalks and driveways.
6. Final grade and stabilize in accordance with Sids. and Specs.
7. Upon approval of the Howard County Sediment Control Inspector, remove sediment control devices and stabilize.

BUILDER/CONTRACT PURCHASER

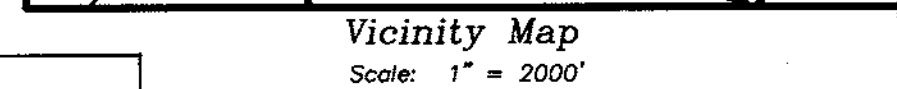
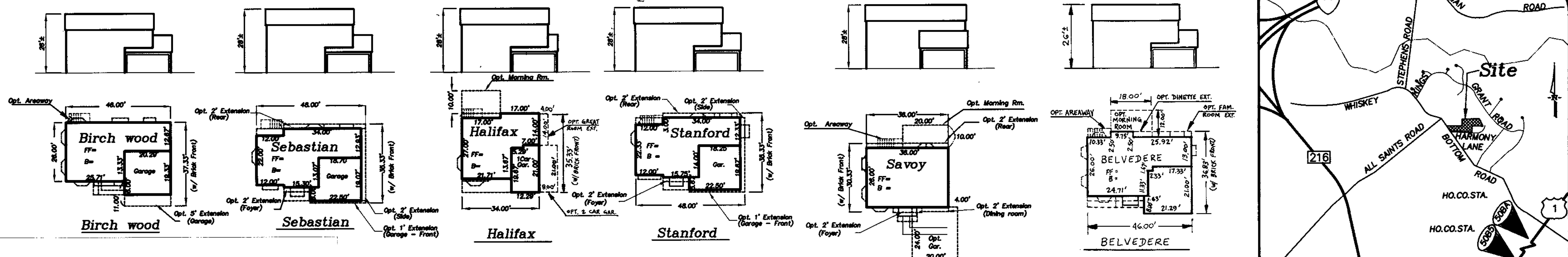
RYAN HOMES, INC.
OWINGS MILLS COMMERCE CENTER
11460 CRONRIDGE DRIVE, SUITE 128
OWINGS MILLS, MD 21117
(410) 854-0901
ATTN: MR. MICHAEL SHEERER

OWNER/DEVELOPER

SDC GROUP, INC.
P.O. BOX 417
ELLICOTT CITY, MD 21043

ENGINEER/SURVEYOR

R.M. MOCHI GROUP, P.C.
10120 A OLD NATIONAL PIKE
ILANVILLE, MD 21764
(301) 865-5856
ATTN: MR. ROBERT M. MOCHI, P.E.



Scale: 1" = 200'

BENCH MARKS:
HOWARD COUNTY # 508A (NAD '83) ELEV. N/A
STANDARD DISC ON CONCRETE MONUMENT
N 527561.6702' E 1359772.5936'
HOWARD COUNTY # 508S (NAD '83) ELEV. 178.242'
STANDARD DISC ON CONCRETE MONUMENT
N 524999.3640' E 1357925.6751'

GENERAL NOTES:

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 BETWEEN STAPLES.
3. BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE MATTING IS SMOOTH AND IN FIRM CONTACT WITH THE SOIL.
4. STAPLES SHALL BE PLACED 2' APART WITH 4 ROWS FOR EACH STRIP, 2 OUTER ROWS, AND 2 ALTERNATING ROWS DOWN THE CENTER.
5. WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF TOP STRIP SHALL OVERLAP THE UPPER END OF THE LOWER STRIP BY 4". SHUFLAP FASHION, REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6" APART IN A STAGGERED PATTERN ON EITHER SIDE.
6. THE DISCHARGE END OF THE MATTING LINER SHOULD BE SIMILARLY SECURED WITH 2 DOUBLE ROWS OF STAPLES.

NOTE: IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING, THEN THE AREA EFFECTED BY THE FLOW MUST BE KEYED-IN.

THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 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 BEING DONE.

THE EXISTING TOPOGRAPHY IS TAKEN FROM APPROVED F-99-56 PROPOSED GRADES AND FROM FIELD RUN SURVEY WITH 2' (TWO FOOT) CONTOURS INTERVALS PREPARED BY TSA GROUP, INC. DATED 1/98.

THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM, NAD 83. HOWARD COUNTY GEODETIC CONTROL STATIONS 508A AND 508S.

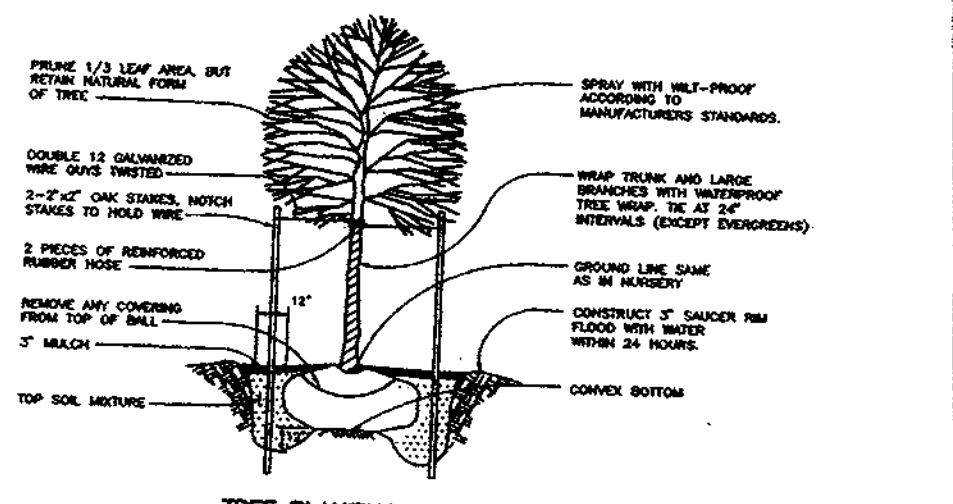
STORMWATER MANAGEMENT IS PROVIDED BY EXTENDED DETENTION.

EXISTING UTILITIES ARE BASED ON APPROVED HOWARD COUNTY CONTRACT DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF ALL EXISTING UTILITIES.

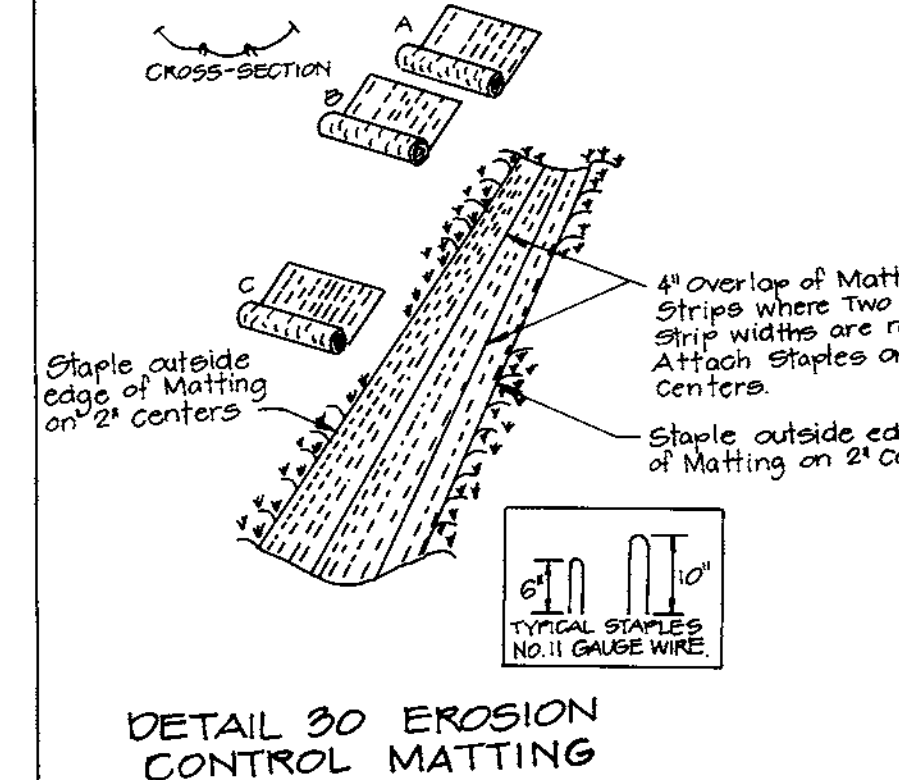
ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.

SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE. MANUAL VOLUME IV, STANDARD DETAIL R-6.03.

FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL VOLUME IV R-6.03.



1. THERE MUST BE A MINIMUM OF 18" OF SOIL ABOVE THE ROOT BALL AND MUST BE A MINIMUM OF 18" OF SOIL BELOW THE ROOT BALL.
2. THE TREE MUST BE PLANTED WITH A MINIMUM OF 18" OF SOIL ABOVE THE ROOT BALL AND MUST BE A MINIMUM OF 18" OF SOIL BELOW THE ROOT BALL.
3. SEE PLANTING LIST, SEE SHEET.



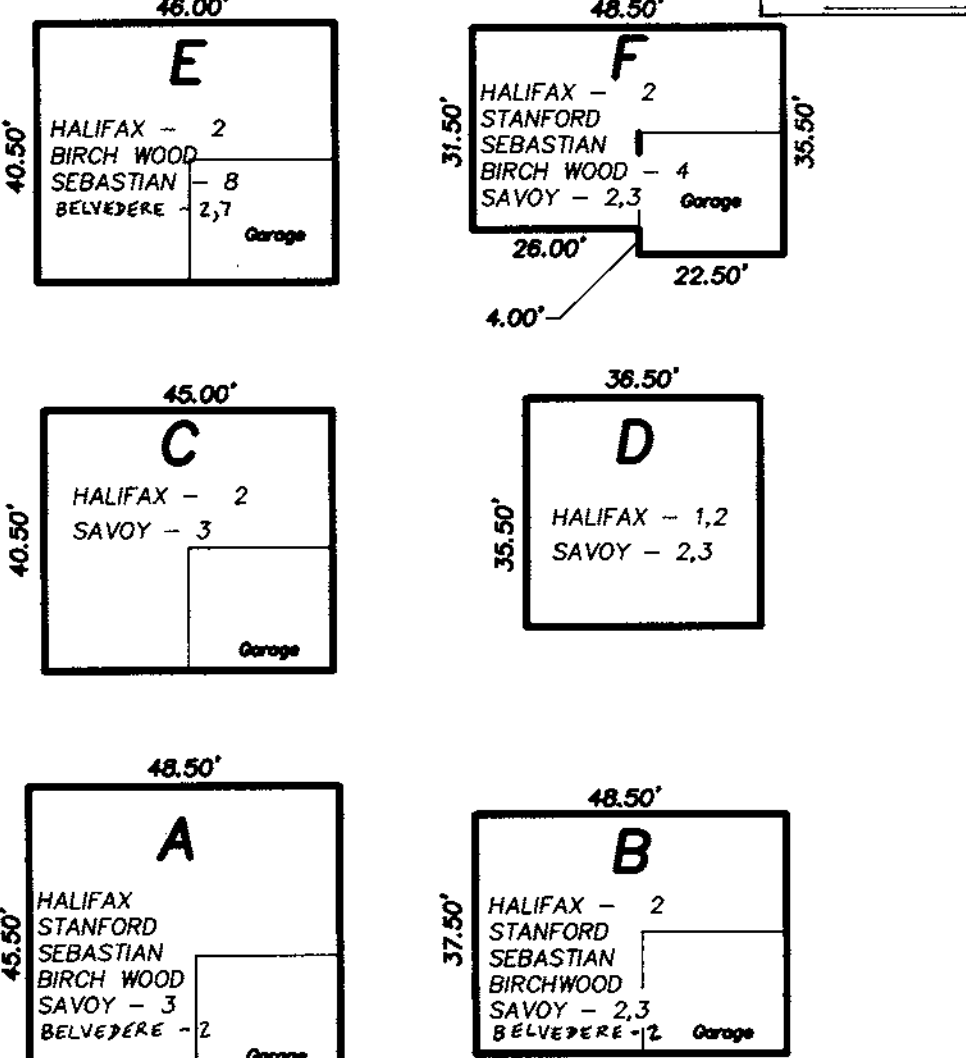
MINIMUM SEWER SERVICE ELEVATION CHART

LOT NO.	MIN. CELLAR/SERVICE ELEV.
1	292.28
2	289.05
3	288.41
4	289.08
5	287.63
6	287.75 (ONS)
7	293.54
8	292.03
9	289.14
10	288.86
11	288.04
12	287.83 (ONS)
13	287.22 (ONS)
14	285.13 (ONS)
15	285.22 (ONS)
16	286.47 (ONS)
17	285.90 (ONS)
18	285.97 (ONS)
19	290.38 (ONS)
20	288.80 (ONS)

(ONS) = CELLAR CANNOT BE SERVED

ADDRESS CHART

LOT NO.	STREET ADDRESS
1	0805 HARMONY LANE
2	0802 HARMONY LANE
3	0813 HARMONY LANE
4	0817 HARMONY LANE
5	0801 HARMONY LANE
6	0805 HARMONY LANE
7	0807 HARMONY LANE
8	0804 HARMONY LANE
9	0809 HARMONY LANE
10	0812 HARMONY LANE
11	0816 HARMONY LANE
12	0800 HARMONY LANE
13	0802 HARMONY LANE
14	0806 HARMONY LANE
15	0800 HARMONY LANE
16	0806 HARMONY LANE
17	0815 ULSTER DRIVE
18	0811 ULSTER DRIVE
19	0817 ULSTER DRIVE
20	0811 ULSTER DRIVE



LANDSCAPING NOTE:

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED 14 TREES IN THE AMOUNT OF \$3,000 IS PART OF THE BUILDERS GRADING PERMIT APPLICATION.
- LOT # 6: 5 TREES, \$1,050; LOT # 12: 5 TREES, \$1,050; LOT # 13, 4 TREES, \$900
- 1 - 1 CAR GARAGE ONLY
 - 2 - NO MORNING ROOM
 - 3 - NO GARAGE
 - 4 - NO 5' EXTENSION (GARAGE)
 - 5 - NO 2' EXTENSION (REAR)
 - 6 - NO 1' EXTENSION (FRONT)
 - 7 - NO BRICK FRONT
 - 8 - NO 2' EXTENSION (SIDE)

SPECIAL NOTES:

1. THIS PLAN IS FOR HOUSE SITING AND LOT GRADING ONLY. IMPROVEMENT SHOWN WITHIN THE RIGHT-OF-WAY ON THIS S.D.P. ARE NOT TO BE USED FOR CONSTRUCTION. FOR CONSTRUCTION, SEE APPROVED ROAD CONSTRUCTION PLANS F-99-56 AND/OR APPROVED WATER AND SEWER PLANS CONTRACT NO. 24-3716-D.
2. A RAZING INSPECTION REPORT SHALL BE OBTAINED AND SUBMITTED TO HOWARD COUNTY FOR THE BUILDINGS BEING REMOVED ON-SITE PRIOR TO RECORDEATION OF THE PLATS.
3. THE HEALTH DEPARTMENT SHALL BE NOTIFIED PRIOR TO ABANDONMENT OF ANY WELL OR SEPTIC FEATURES ON-SITE.

SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAY	YES	NO	YES	NO	YES
PERIMETER NO. 1 LANDSCAPE TYPE		NO	NO	NO	NO	A,B
LINEAR FEET OF ROADWAY		85	85	85	85	A,B
CREDIT OF EXISTING VEGETATION:						
(NO OR YES W/ LINEAR FEET)		NO	NO	NO	NO	
(DESCRIBE BELOW IF NEEDED)						
CREDIT FOR WALL FENCE OR BERM						
(NO OR YES W/ LINEAR FEET)		NO	NO	NO	NO	
(DESCRIBE BELOW IF NEEDED)						
NUMBER OF PLANTS REQUIRED:						
SHADE TREE		85	85	85	85	
EVERGREEN TREES		2	2	2	2	
OTHER TREES (2:1 SUBSTITUTE)		3	3	3	3	
SHRUBS		-	-	-	-	
NUMBER OF PLANTS PROVIDED:						
SHADE TREE		2	2	2	2	
EVERGREEN TREES		3	3	3	3	
OTHER TREES (2:1 SUBSTITUTE)		-	-	-	-	
SHRUBS		-	-	-	-	
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED.)						

LANDSCAPE PLANTING

SYMBOL	QUANTITY	NAME	REMARKS
+	6	PLATANUS AGRICOLA	2 1/2" MIN CAL
•	8	QUERCUS ROBUR	8 B B FULL HEAD
•	8	PRUNUS SPERDOLIA	5'-6" HL
•	8	'EASTERN WHITE PINE'	UNSHARED

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Michael Sheerer
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 8/25/99

Robert M. Mochi
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 8/25/99

Robert M. Mochi
DIRECTOR
DATE: 8/25/99

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

Robert M. Mochi
HOWARD SOIL CONSERVATION DISTRICT
DATE: 8/25/99

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Robert M. Mochi
USDA - NATURAL RESOURCES CONSERVATION SERVICE
DATE: 8/25/99

BUILDER'S CERTIFICATE

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Michael Sheerer
Signature of Builder
DATE: 8/12/99

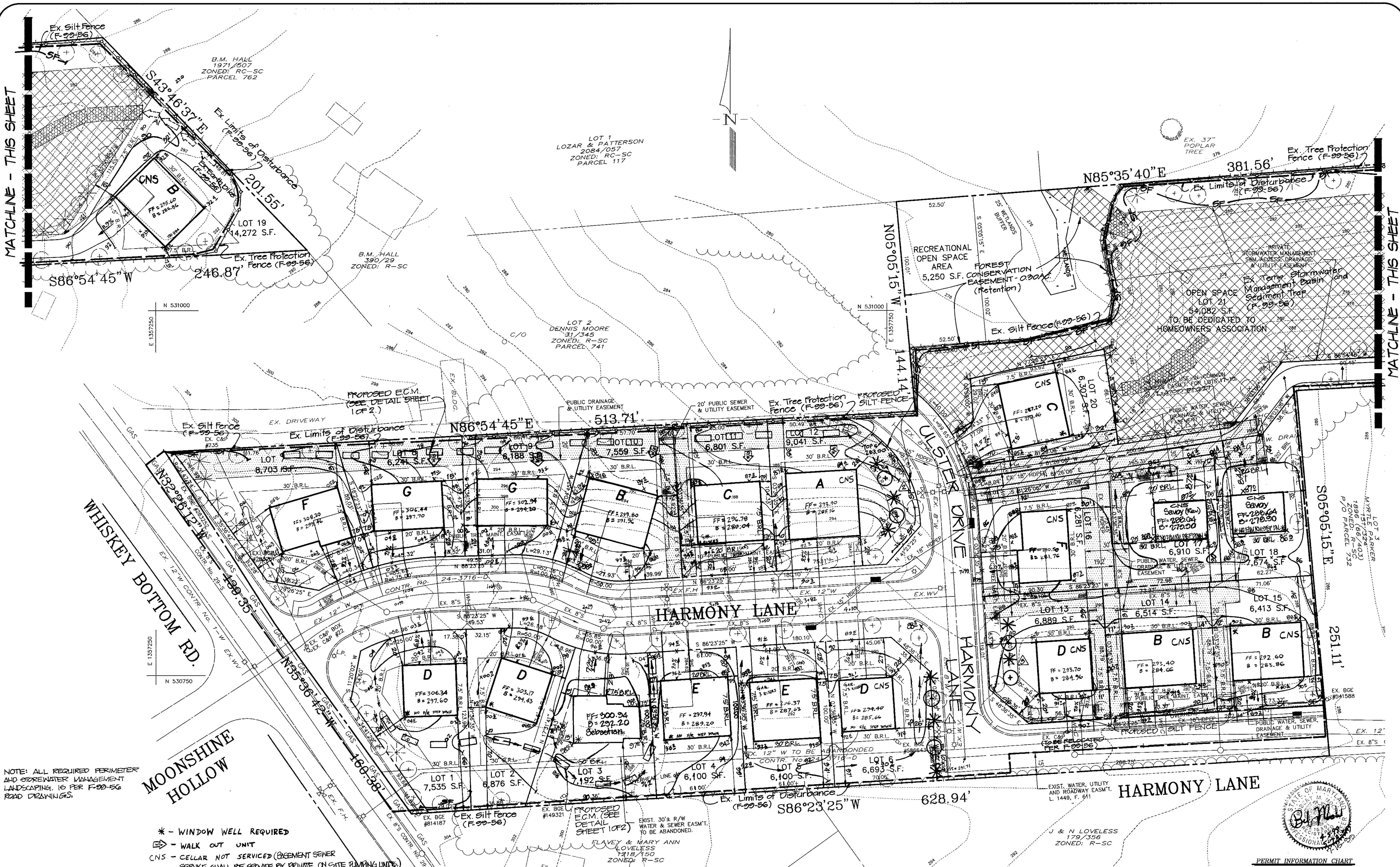
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Robert M. Mochi
Robert M. Mochi, P.E.
DATE: 8/25/99

PERMIT INFORMATION CHART

SUBDIVISION NAME: KINGS ARMS LOTS 1 THRU 20				
SECT./AREA	PARCEL #	LIBER & FOLIO	TAX MAP	PREVIOUS FILES:
1/1	169,731, & P/O 732	4636/12, 5432/371, 4587/589	47	S-98-02, F-98-27, F-99-56
PLAT No. 13715-12174	BLOCK No. 21 & 22	ZONE R-SC	ELEC. DISC. 6th	CENSUS 6069.02
WATER CODE CO3		SEWER CODE	7270000	
SCALE: 1" = 30'		DATE: 03/26/99		



NOTE: ALL REQUIRED PERIMETER AND STORMWATER MANAGEMENT LANDSCAPING, 10 PER F-99-56 ROAD DRAWINGS.

MOONSHINE HOLLOW

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APPROVED:
 HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 [Signature] 8/21/99
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 9/2/99
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 9/3/99
 DIRECTOR

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 [Signature] 8/25/99
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 [Signature] 8/25/99
 MSDA - NATURAL RESOURCES CONSERVATION SERVICE

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 [Signature] 4/1/99
 Signature of Builder

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 [Signature] 4-5-99
 Robert M. Mochi, P.E.
 Date

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PLAT No. (13775-13776)	BLOCK No. 21 & 22	ZONE R-SC	ELEC. DIST. 47	CENSUS 6069.02
WATER CODE	CO3	SEWER CODE	7270000	
SCALE: 1" = 30'	DATE: 03/26/99			

project	99007.21	date	09-19-99
illustration	KAB	engineering	MWZ
scale	1" = 30'	approval	RAM

revision	1	description	REVISED PER HOUSE MODEL REVISION - LOT 3	date	09-24-99
revision	2	description	REVISED PER HOUSE MODEL COMMENTS	date	09-24-99
revision	3	description	SUBMITTED ORIGINAL TO PLD PER AND HEALTH DEPT.	date	05-26-99
revision	4	description	1ST SUBMITTAL TO HQ. CO. D22 FOR REVIEW	date	04-08-99

SECTION 1, AREA 1 LOTS 1-20
KINGS ARMS
 ELECTION DISTRICT No. 6
 HOWARD COUNTY, MARYLAND
 SITE DEVELOPMENT PLAN

R.M. MOCHI GROUP, P.C.
 10220 A Old Orchard Lane
 Beltsville, MD 21114-0110
 Phone: (301) 965-2855
 Fax: (301) 965-2811



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APPROVED:
 HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Chris Hamilton
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 8/21/99

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT
John R. Roberts
 HOWARD SOIL CONSERVATION DISTRICT
 DATE: 8/25/99

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Cheryl Simmons
 USDA - NATURAL RESOURCES CONSERVATION SERVICE
 DATE: 8/25/99

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Michael Shaver
 Signature of Builder
 DATE: 4/1/99

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Robert M. Mochi
 Robert M. Mochi, P.E.
 DATE: 4-5-99

PERMIT INFORMATION CHART

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WATER CODE C03	SEWER CODE	ELEC. DIST. 6th	CENSUS 6069.02
SCALE: 1" = 30'		DATE: 03/26/99	

project	99007.21	date	03-19-99
illustration	KMB	engineering	MWZ
scale	1"=30'	approval	RAM

REVISED PER	DATE	DESCRIPTION
1	12-2-99	REVISION - LOT 11 REVISION
2	10-12-99	REVISED PER HOUSE MODEL REVISION - LOT 5
3	08-24-99	REVISED PER HOUSE MODEL COMMENTS
4	08-13-99	SUBMITTED ORIGINAL PLANS FOR SIGNATURE
5	08-09-99	REVISED PER COMMENTS TO THE HEALTH DEPT.
6	08-05-99	REVISED PER COMMENTS TO THE HEALTH DEPT.
7	08-02-99	REVISED PER COMMENTS TO THE HEALTH DEPT.
8	07-29-99	REVISED PER COMMENTS TO THE HEALTH DEPT.
9	07-26-99	REVISED PER COMMENTS TO THE HEALTH DEPT.
10	07-23-99	REVISED PER COMMENTS TO THE HEALTH DEPT.

SECTION 1, AREA 1
 KINGS ARMS
 ELECTION DISTRICT No. 6
 HOWARD COUNTY, MARYLAND
 SITE DEVELOPMENT PLAN

R.M. MOCHI GROUP, INC.
 P.O. Box 10
 New Market, MD 21774-0010
 10120 A Old Republic Pike
 (410) 865-8858
 (410) 865-5111
 Fax: (410) 865-5111

PERMANENT SEEDING NOTES

Apply to graded or cleared area 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, dicing 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 Dolomite limestone (92 lbs/1000 sf) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 urea form fertilizer (9 lbs/1000 sf).
- 2) Acceptable - Apply 2 tons per acre Dolomite limestone (92 lbs/1000 sf) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed with 60 lbs per acre (1.4 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period of October 16 through 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 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) 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.

Seedbed Preparation: Loosen upper three inches of soil by raking, dicing or other acceptable means before seeding (if not previously loosened).

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf).

Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushels per acre of annual ryegrass (3.2 lbs/1000 sf). For the period May 1 through August 14, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf). For the period November 16 through 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 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

Refer to the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not covered.

SEDIMENT CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction. (313-1855)
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control.
3. Following initial soil disturbances or redistribution, permanent or temporary stabilization shall be completed within: a) 72 hours for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 5 calendar days as to all other disturbed or graded areas on the project site.
4. All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for Permanent Seedings (Sec. G-III) Sod (Sec. G-IV), Temporary Seeding (Sec. G-II) and Mulching (Sec. G-I). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
5. 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.
6. Site Analysis:
Total Area of Site: 5.63 Ac.
Area to be Disturbed: 3.36 Ac.±
Area to be roofed or paved: 1.28 Ac.±
Area to be vegetatively stabilized: 3.36 Ac.±
Total Cut: 5,250 c.y.±
Total Fill: 5,250 c.y.±
Off-site Waste/Borrow Area: All excess material shall be transported to a suitable spoil site with appropriate sediment control measures as required.
7. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
8. Additional sediment controls must be provided, if deemed necessary by the Howard County DILP Sediment Control Inspector.
9. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction.

SEDIMENT CONTROL SEQUENCE

1. Obtain all permit approvals and licenses from the appropriate agencies.
2. Notify Howard County Construction Inspection Division (313-1880) at least five (5) working days prior to starting work.
3. Verify all sediment control erosion measures and devices proposed under F-99-56 have been installed. All sediment control devices are to be inspected after each rainfall. Repair sediment control devices as required.
4. Excavate for foundations, rough grade and temporarily stabilize.
5. Construct structures, sidewalks and driveways.
6. Final grade and stabilize in accordance with Sids. and Specs.
7. Upon approval of the Howard County Sediment Control Inspector, remove sediment control devices and stabilize.

BUILDER/CONTRACT PURCHASER

RYAN HOMES, INC.
OWINGS MILLS COMMERCE CENTER
11480 CROWNDRIVE, SUITE 128
OWINGS MILLS, MD 21117
(410) 854-0501
ATTN: MR. MICHAEL SHEERER

OWNER/DEVELOPER

SDC GROUP, INC.
P.O. BOX 417
BELLGATE CITY, MD 21043

ENGINEER/SURVEYOR

R.M. MOCHI GROUP, P.C.
10120 A OLD NATIONAL PIKE
WAMERSVILLE, MD 21784
(301) 865-8868
ATTN: MR. ROBERT M. MOCHI, P.E.

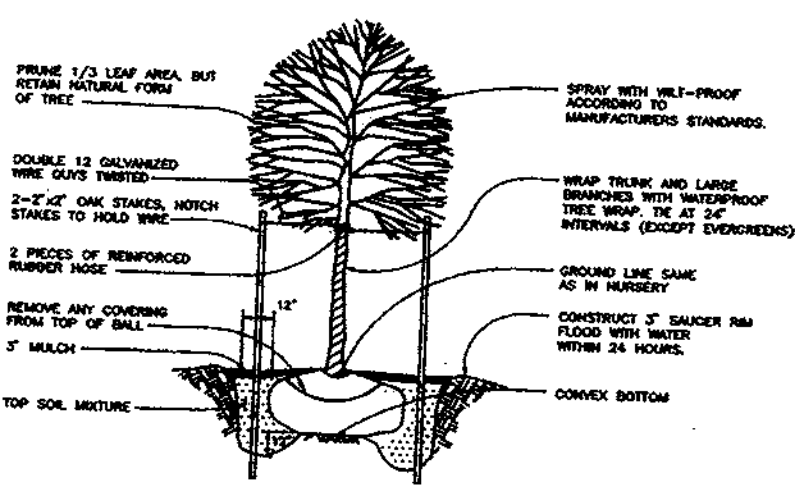
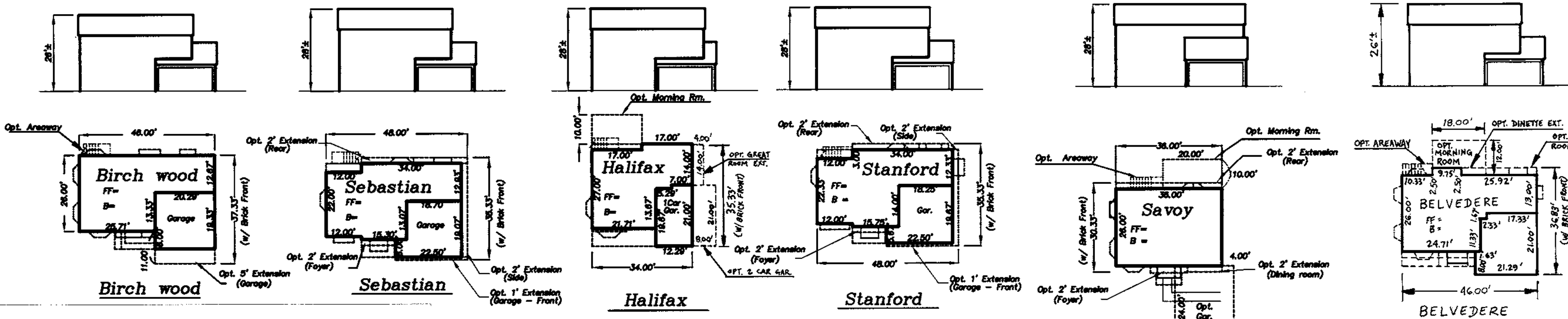


TABLE:

1. TREE MUST BE A MINIMUM OF 10 FEET FROM THE CURB OR SIDEWALK AND MUST BE A MINIMUM OF 10 FEET FROM ANY DRIVEWAY.
2. TREE MUST BE A MINIMUM OF 10 FEET FROM ANY OPEN SPACE ACCESS DRIVE.
3. SEE PLANTING LIST, THIS SHEET.

ADDRESS CHART

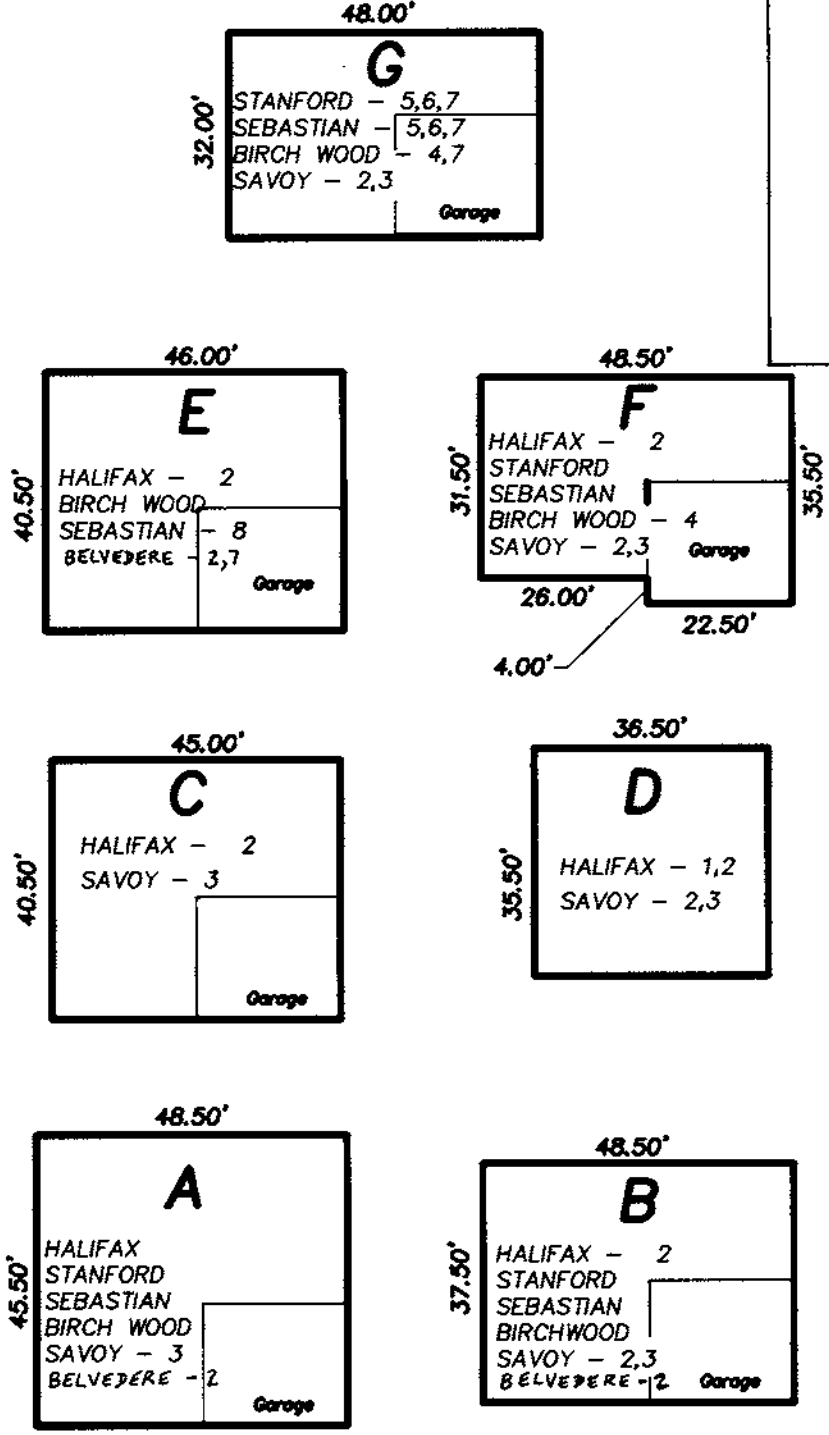
LOT NO.	STREET ADDRESS
1	0005 HARMONY LANE
2	0001 HARMONY LANE
3	0047 HARMONY LANE
4	0043 HARMONY LANE
5	0035 HARMONY LANE
6	0035 HARMONY LANE
7	0036 HARMONY LANE
8	0052 HARMONY LANE
9	0040 HARMONY LANE
10	0044 HARMONY LANE
11	0040 HARMONY LANE
12	0026 HARMONY LANE
13	0026 HARMONY LANE
14	0024 HARMONY LANE
15	0020 HARMONY LANE
16	0020 HARMONY LANE
17	0475 ULSTER DRIVE
18	0471 ULSTER DRIVE
19	0467 ULSTER DRIVE
20	0461 ULSTER DRIVE

SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAY	YES	NO	YES	NO
PERIMETER NO. / LANDSCAPE TYPE		A/B	A/B	A/B	A/B
LINEAR FEET OF ROADWAY		85	85	85	85
CREDIT FOR EXISTING VEGETATION:	(NO OR YES W/ LINEAR FEET)	NO	NO	NO	NO
CREDIT FOR WALL FENCE OR BERM:	(NO OR YES W/ LINEAR FEET)	NO	NO	NO	NO
CREDIT FOR PLANTS PROVIDED:	(DESCRIBE BELOW IF NEEDED)	85	85	85	85
NUMBER OF PLANTS REQUIRED:		2	2	2	2
SHADE TREE		3	3	2	2
EVERGREEN TREES		-	-	-	-
OTHER TREES (2:1 SUBSTITUTE)		-	-	-	-
SHRUBS		-	-	-	-
NUMBER OF PLANTS PROVIDED:		2	2	2	2
SHADE TREE		3	3	2	2
EVERGREEN TREES		-	-	-	-
OTHER TREES (2:1 SUBSTITUTE)		-	-	-	-
SHRUBS		-	-	-	-
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)		-	-	-	-

LANDSCAPE PLANTING

SYMBOL	QUANTITY	NAME	REMARKS
+	6	FRAXINUS AMERICANA	2 1/2" MIN. CAL. FULL HEAD
+	8	QUERCUS PRINCEPIUM	8" 8" HL. UNSHADED
+	8	QUERCUS PRINCEPIUM	8" 8" HL. UNSHADED



LANDSCAPING NOTE:

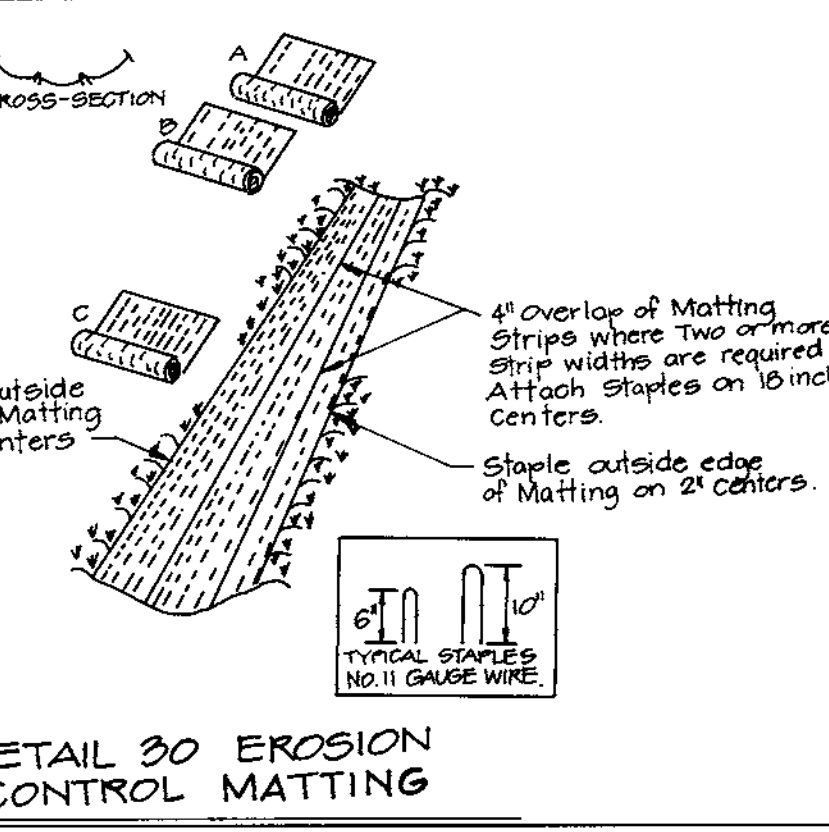
THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED 14 TREES IN THE AMOUNT OF \$3,000 IS PART OF THE BUILDER'S GRADING PERMIT APPLICATION.

LOT 6: 5 TREES, \$1,050; LOT 12: 5 TREES, \$1,050; LOT 13, 4 TREES, \$900

1 - 1 CAR GARAGE ONLY
2 - NO MORNING ROOM
3 - NO GARAGE
4 - NO 5' EXTENSION (GARAGE)
5 - NO 2' EXTENSION (REAR)
6 - NO 1' EXTENSION (FRONT)
7 - NO BRICK FRONT
8 - NO 2' EXTENSION (SIDE)

SPECIAL NOTES:

1. THIS PLAN IS FOR HOUSE SITTING AND LOT GRADING ONLY. IMPROVEMENT SHOWN WITHIN THE RIGHT-OF-WAY ON THIS S.D.P. ARE NOT TO BE USED FOR CONSTRUCTION FOR CONSTRUCTION. SEE APPROVED ROAD CONSTRUCTION PLANS F-99-56 AND/OR APPROVED WATER AND SEWER PLANS CONTRACT NO. 24-3716-D.
2. A RAZING INSPECTION REPORT SHALL BE OBTAINED AND SUBMITTED TO HOWARD COUNTY FOR THE BUILDINGS BEING REMOVED ON-SITE PRIOR TO RECORDATION OF THE PLATS.
3. THE HEALTH DEPARTMENT SHALL BE NOTIFIED PRIOR TO ABANDONMENT OF ANY WELL OR SEPTIC FEATURES ON-SITE.



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 BETWEEN STAPLES.
 3. BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE MATTING IS SMOOTH AND IN FIRM CONTACT WITH THE SOIL.
 4. STAPLES SHALL BE PLACED 2' APART WITH 4 ROWS FOR EACH STRIP, 2 OUTER ROWS, AND 2 ALTERNATING ROWS DOWN THE CENTER.
 5. WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF TOP STRIP SHALL OVERLAP THE UPPER END OF THE LOWER STRIP BY 4" SIMILAR FASHION. REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6" APART IN A STAGGERED PATTERN ON EITHER SIDE.
 6. THE DISCHARGE END OF THE MATTING LINER SHOULD BE SIMILARLY SECURED WITH 2 DOUBLE ROWS OF STAPLES!
- NOTE: IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING THEN THE AREA EFFECTED BY THE FLOW MUST BE KEYED-IN.

MINIMUM SEWER SERVICE ELEVATION CHART

LOT NO.	MIN. CELLAR/SERVICE ELEV.
1	282.28
2	288.05
3	288.41
4	288.08
5	287.63
6	287.76 (CNS)
7	293.54
8	292.03
9	289.14
10	288.86
11	288.04
12	287.83 (CNS)
13	287.22 (CNS)
14	285.13 (CNS)
15	285.22 (CNS)
16	286.47 (CNS)
17	285.90 (CNS)
18	285.97 (CNS)
19	290.38 (CNS)
20	288.80 (CNS)

(CNS) = CELLAR CANNOT BE SERVED

BENCH MARKS:

HOWARD COUNTY # 508A (NAD '83) ELEV. N/A
STANDARD DISC ON CONCRETE MONUMENT
N 527561.6702' E 1359772.5936'

HOWARD COUNTY # 5085 (NAD '83) ELEV. 178.242'
STANDARD DISC ON CONCRETE MONUMENT
N 524999.3640' E 1357925.6751'

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
2. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
3. THE EXISTING TOPOGRAPHY IS TAKEN FROM APPROVED F-99-56 PROPOSED SECTIONS AND FROM FIELD RUN SURVEY WITH 2' (TWO FOOT) CONTOURS INTERVALS PREPARED BY TSA GROUP, INC. DATED: 1/98.
4. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM, NAD 83. HOWARD COUNTY GEODETIC CONTROL STATIONS 508A AND 5085.
5. STORMWATER MANAGEMENT IS PROVIDED BY EXTENDED DETENTION.
6. EXISTING UTILITIES ARE BASED ON APPROVED HOWARD COUNTY CONTRACT DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF ALL EXISTING UTILITIES.
7. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
8. SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE. MANUAL, VOLUME IV, STANDARD DETAIL R-6.03.
9. FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL VOLUME IV R-6.03.
10. SITE ANALYSIS DATA CHART:
AREA OF PLAN SUBMISSION - 5.63 AC.
LIMIT OF DISTURBED AREA - 3.36 AC.
PRESENT ZONING - R-SC
PROPOSED USES FOR SITE AND STRUCTURES - RESIDENTIAL (SFD)
NUMBER OF UNITS ALLOWED - 20
NUMBER OF UNITS PROPOSED - 20
OPEN SPACE ON SITE - 1.24 AC. AND 22% OF GROSS AREA
AREA OF RECREATION OPEN SPACE REQUIRED - 5,000 S.F.
AREA OF RECREATION OPEN SPACE PROVIDED - 5,250 S.F.
BUILDING COVERAGE OF SITE - 1.00 AC. AND 18% OF GROSS AREA
APPLICABLE DPZ FILE REFERENCES:
S-98-02
F-99-27
F-99-56
WS # 24-3716-D
11. PURSUANT TO AN AGREEMENT REACHED BETWEEN SECURITY DEVELOPMENT, RYAN HOMES, AND THE HOWARD SOIL CONSERVATION DISTRICT, EXISTING SEDIMENT CONTROL DEVICES SHALL BE USED FOR THIS SITE. (SEE F-99-56 FOR SEDIMENT CONTROL PLAN, NOTES AND DETAILS)
12. UNLESS OTHERWISE NOTED, ALL LANDSCAPING AND STREET TREE REQUIREMENTS SHOWN ON THIS PLAN ARE PROPOSED UNDER THE F-99-56 CONTRACT AND SHALL BE PROVIDED BY THE DEVELOPER. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE F-99-56 DPW DEVELOPER'S AGREEMENT.
13. SECTION 128.A.1.C OF THE ZONING REGULATIONS ALLOWS PORCHES OR DECKS, OPEN OR ENCLOSED, NOT TO PROJECT MORE THAN 10 FEET INTO THE REQUIRED FRONT OR REAR YARD BUILDING RESTRICTION LINES. SECTION 128.A.1.B ALLOWS FIREPLACES, CHIMNEYS, EXTERIOR WALLS AND EXTERIOR STAIRWAYS IF NO MORE THAN 1/2 WIDE MAY PROJECT NO MORE THAN 4' INTO ANY REQUIRED P.C.L.
14. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED WETLANDS, WETLANDS BUFFER OR FOREST CONSERVATION EASEMENT AREAS.
15. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
A) WIDTH - 12' (14' SERVING MORE THAN ONE RESIDENCE).
B) SURFACE - 6" OF COMPACT CRUSHER RUN BASE WITH TAR.
C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM 45' TURNING RADIUS.
D) STRUCTURES (COLVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD PLAIN WITH NO MORE THAN 1 FOOT OVER DEPTH OF DRIVEWAY.
F) STRUCTURE CLEARANCES - MINIMUM 12 FEET
G) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
16. BASEMENT SEWER SERVICE WAIVER REQUEST TO LOTS G AND V2. KINGS ARMS DEVELOPMENT WAS APPROVED 7/20/99. SEWER SERVICE FROM THE BASEMENTS SHALL BE PROVIDED BY A PRIVATE ON-SITE PUMPING UNIT.



APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
[Signature] 8/25/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION

[Signature] 9/3/99
CHIEF, DIVISION OF LAND DEVELOPMENT

[Signature] 9/3/99
DIRECTOR

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

[Signature] 8/25/99
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

[Signature] 8/25/99
USDA - NATURAL RESOURCES CONSERVATION SERVICE

BUILDER'S CERTIFICATE
I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this 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 County Soil Conservation District or their authorized agents, as are deemed necessary.

[Signature] 8/12/99
Signature of Builder Date

ENGINEER'S CERTIFICATE
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 County Soil Conservation District.

[Signature] 8/25/99
Robert M. Mochi, P.E. Date

PERMIT INFORMATION CHART

SUBDIVISION NAME	SECT./AREA	PARCEL #	LIBER & FOLIO	PREVIOUS FILES:
KINGS ARMS LOTS 1 THRU 20	1/1	169,731, & P/O 732	4636/12, 3432/371, 4587/589, 5/21	S-98-02, P-98-27, F-99-56
PLAT No. (137)5-1174	BLOCK No. 21 & 22	ZONE R-SC	TAX MAP 47	ELEC. DISC. 6th
WATER CODE CO3			SEWER CODE 7270000	CENSUS 6069.02
SCALE: 1" = 30'			DATE: 03/26/99	

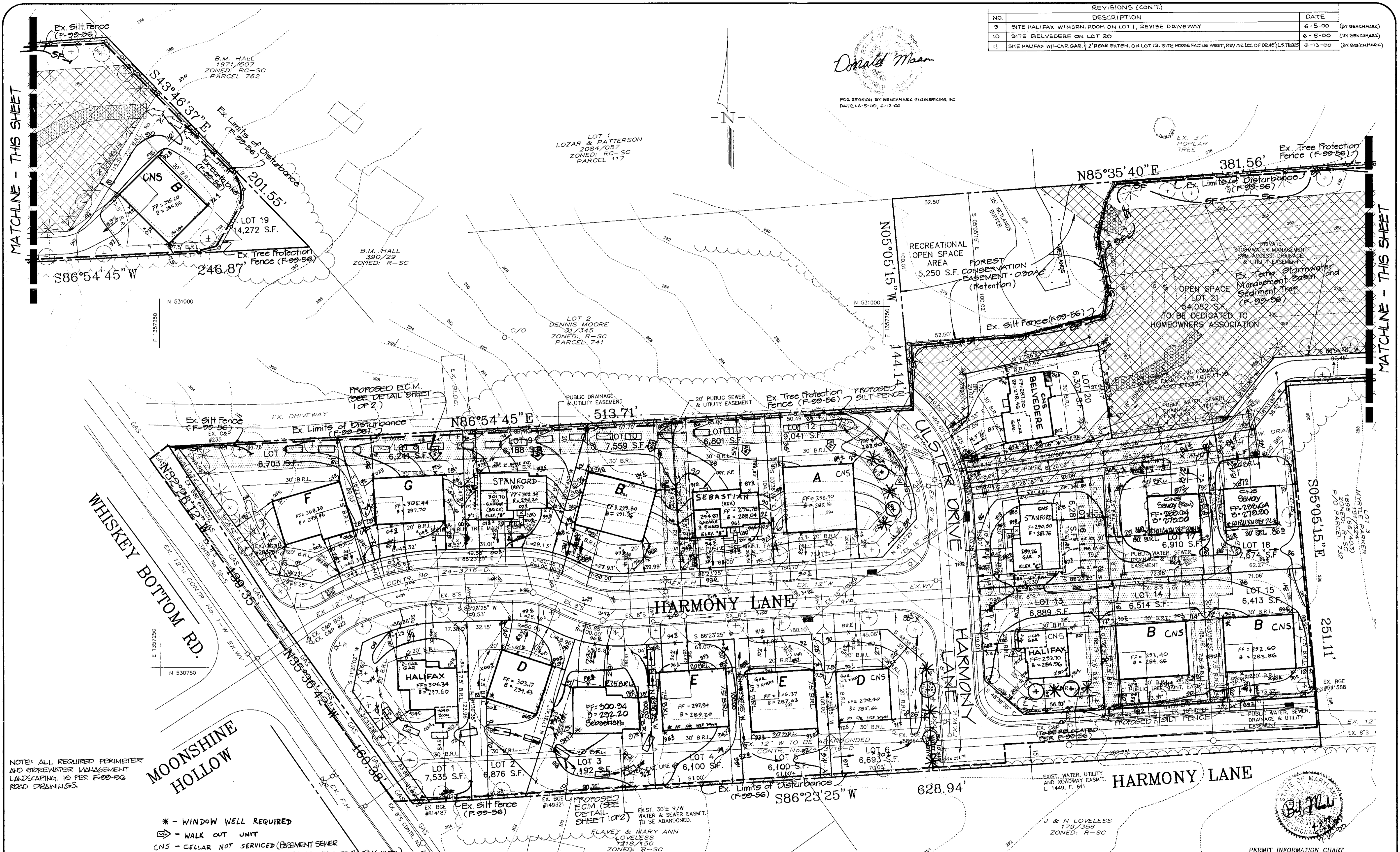
SECTION 1, AREA 1 LOTS 1-20
KINGS ARMS
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 6
COVER SHEET, SEDIMENT CONTROL NOTES

1 OF 2

SDP-99-126

REVISIONS (CONT')		
NO.	DESCRIPTION	DATE
9	SITE HALIFAX W/HORN ROOM ON LOT 1, REVISE DRIVEWAY	6-5-00 (BY BENCHMARK)
10	SITE BELVEDERE ON LOT 20	6-5-00 (BY BENCHMARK)
11	SITE HALIFAX W/CAR GAR. & 2 REAR EXTN. ON LOT 13. SITE HOUSE FACING WEST, REVISE LOC. OF DRIVE L.S. TREES	6-13-00 (BY BENCHMARK)

Donald Mean
 P.O. REVISION BY BENCHMARK ENGINEERING, INC.
 DATE 16-5-00, 6-13-00



NOTE: ALL REQUIRED PERIMETER AND STORMWATER MANAGEMENT LANDSCAPING, 10 PER F-99-56 ROAD DRAWINGS.

MOONSHINE HOLLOW

- * - WINDOW WELL REQUIRED
- ☐ - WALK OUT UNIT
- CNS - CELLAR NOT SERVICED (EASEMENT SEWER SERVICE SHALL BE PROVIDED BY PRIVATE ON SITE PUMPING UNIT)

APPROVED:
 HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Chief, Development Engineering Division
 DATE: 8/21/99

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT
Howard Soil Conservation District
 DATE: 8/25/99

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Howard County Soil Conservation District
 DATE: 8/25/99

BUILDER'S CERTIFICATE
 I/We certify that all development and construction will be done accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this 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 onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.
Michael Weaver
 DATE: 4/1/99

ENGINEER'S CERTIFICATE
 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 County Soil Conservation District.
Robert M. Mochi, P.E.
 DATE: 4-5-99

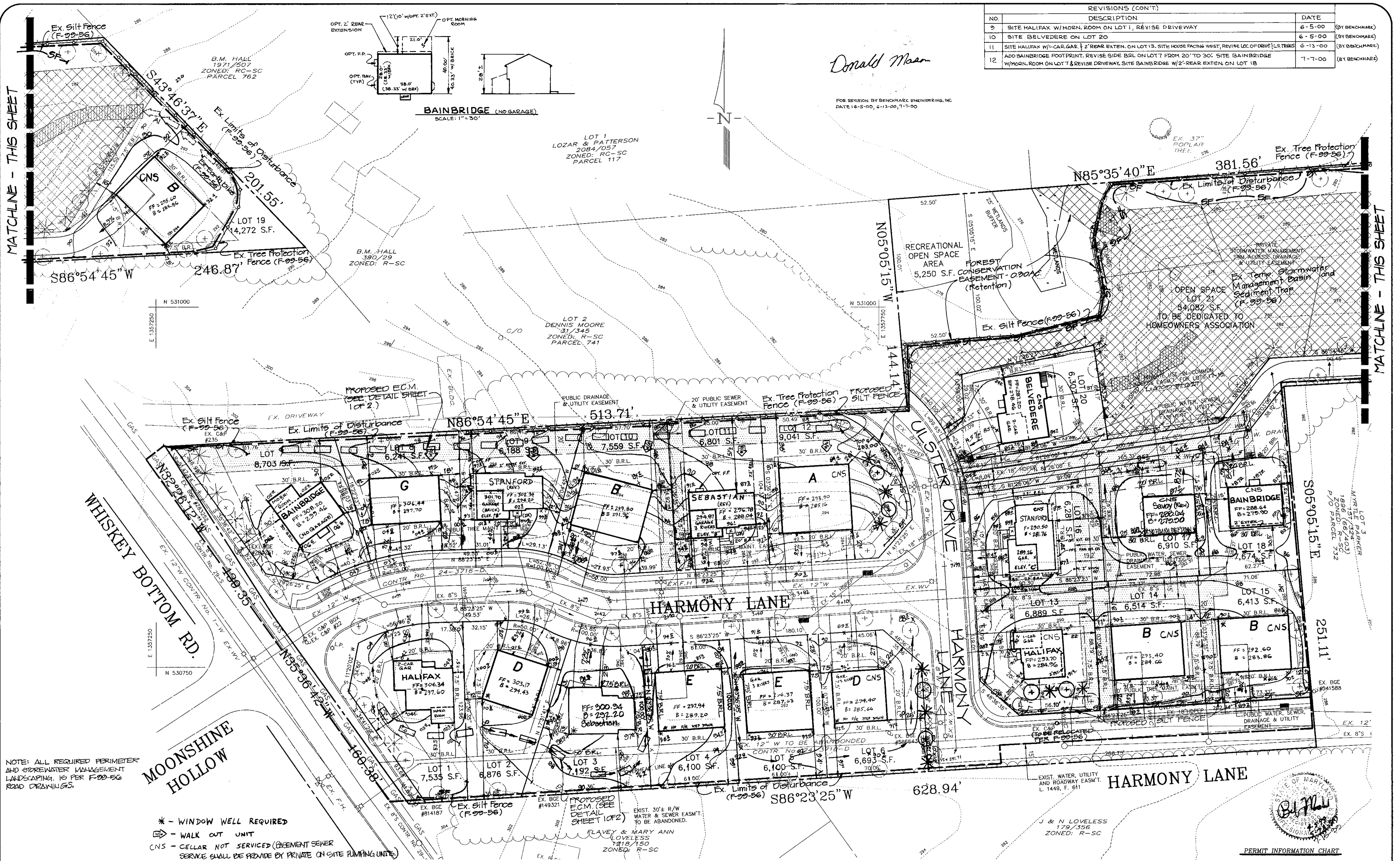
SUBDIVISION NAME		KINGS ARMS	
KINGS ARMS		LOTS 1 THRU 20	
SECT./AREA	PARCEL #	LIBER & FOLIO	PREVIOUS FILE:
1/1	169,731, & P/O 732	46.36/124 3432/371 4587/589 5/21	S-98-02 P-98-27 F-99-56
PLAT No. (13776, 13776)	BLOCK No. 21 & 22	ZONE R-SC	TAX MAP 47
WATER CODE 003			ELEC. DIST. 6th
			CENSUS 6069.02
			SEWER CODE 7170000
SCALE: 1" = 30'			DATE: 03/26/99

PROJECT	99007.21	DATE	03-19-99
ILLUSTRATION	KMB	ENGINEERING	MWZ
SCALE	1" = 30'	APPROVAL	MM

REVISION	NO.	DESCRIPTION	DATE
1	1	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
2	2	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
3	3	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
4	4	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
5	5	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
6	6	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
7	7	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
8	8	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
9	9	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
10	10	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
11	11	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
12	12	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
13	13	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
14	14	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
15	15	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
16	16	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
17	17	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
18	18	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
19	19	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99
20	20	REVISED PER HOUSE MODEL REVISION - LOT 5	08-24-99

SECTION 1, AREA 1
 KINGS ARMS
 ELECTION DISTRICT No. 6
 HOWARD COUNTY, MARYLAND
 SITE DEVELOPMENT PLAN

PERMIT INFORMATION CHART
 HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 10100 A Old Harbor Rd
 New Market, MD 21774-0010
 (301) 865-6888
 (301) 865-3111



REVISIONS (CONT.)		
NO.	DESCRIPTION	DATE
9	SITE HALIFAX W/MORN. ROOM ON LOT 1, REVISE DRIVEWAY	6-5-00 (BY BENCHMARK)
10	SITE BELVEDERE ON LOT 20	6-5-00 (BY BENCHMARK)
11	SITE HALIFAX W/1-CAR GAR & 2'REAR EXTN. ON LOT 13, SITE HOUSE FACING WEST, REVISE LOC. OF DRIVE L.S. TRMS	6-13-00 (BY BENCHMARK)
12	ADD BAINBRIDGE FOOTPRINT, REVISE SIDE BRL. ON LOT 7 FROM 20' TO 30', SITE BAINBRIDGE W/MORN. ROOM ON LOT 7 & REVISE DRIVEWAY, SITE BAINBRIDGE W/2'REAR EXTN. ON LOT 16	7-1-00 (BY BENCHMARK)

Donald Mason

FOR REVISION BY BENCHMARK ENGINEERING, INC.
DATE: 16-5-00, 6-13-00, 7-1-00

MATCHLINE - THIS SHEET

MATCHLINE - THIS SHEET

NOTE: ALL REQUIRED PERIMETER AND STORMWATER MANAGEMENT LANDSCAPING, IS PER F-99-56 ROAD DRAWINGS.

MOONSHINE HOLLOW

- * - WINDOW WELL REQUIRED
- W - WALK OUT UNIT
- CNS - CELLAR NOT SERVICED (BASEMENT SEWER SERVICE SHALL BE PROVIDED BY PRIVATE ON SITE PUMPING UNIT)

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Cindy Hammita
CHIEF, DIVISION OF LAND DEVELOPMENT

8/21/99
9/2/99
9/3/99

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

John R. Roberts
HOWARD COUNTY SOIL CONSERVATION DISTRICT

8/25/99

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Cheryl Simmons
HOWARD COUNTY SOIL CONSERVATION DISTRICT

8/25/99

BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this 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 onsite inspection by the Howard County Soil Conservation District or its authorized agents, as are deemed necessary.

Michael Shearer
Signature of Builder

4/1/99

ENGINEER'S CERTIFICATE

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 County Soil Conservation District.

Robert M. Mochi
Robert M. Mochi, P.E.

4-5-99

PERMIT INFORMATION CHART

SUBDIVISION NAME		KINGS ARMS	
KINGS ARMS		LOTS 1 THRU 20	
SECT./AREA	PARCEL #	LIBER & FOLIO	PREVIOUS FILE:
1/1	169,731, & P/O 792	4636/124 3432/371 4587/589 5/21	S-98-02 S-98-27 F-99-56
PLAT No. (13775-13776)	BLOCK No. 21 & 22	ZONE R-SC	TAX MAP 47
WATER CODE C03	SEWER CODE 7270000	ELEC. DIST. 6th	CENSUS 6069.02
SCALE: 1" = 30'	DATE: 03/26/99		

PROJECT: 99007.21
DATE: 03-19-99
ENGINEERING: KMB
ILLUSTRATION: KMB
SCALE: 1"=30'
APPROVAL: RAM

REVISIONS

NO.	DESCRIPTION	DATE
1	REVISED PER HOUSE MODEL REVISION - LOT 16 FLOORING	11-23-99
2	REVISED PER HOUSE MODEL REVISION - LOT 16 FLOORING	12-2-99
3	REVISED PER HOUSE MODEL REVISION - LOT 16 FLOORING	12-2-99
4	REVISED PER HOUSE MODEL REVISION - LOT 16 FLOORING	12-2-99
5	REVISED PER HOUSE MODEL REVISION - LOT 16 FLOORING	12-2-99
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98	REVISED PER HOUSE MODEL REVISION - LOT 16 FLOORING	12-2-99
99	REVISED PER HOUSE MODEL REVISION - LOT 16 FLOORING	12-2-99
100	REVISED PER HOUSE MODEL REVISION - LOT 16 FLOORING	12-2-99

SECTION 1, AREA 1 LOTS 1-20
KINGS ARMS
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND
SITE DEVELOPMENT PLAN

Robert M. Mochi
Robert M. Mochi, P.E.

10120 A Old National Pike
Jennings, MD 21751-9796
P.O. Box 10
New Market, MD 21774-0010
(301) 865-5665
Fax: (301) 865-5171

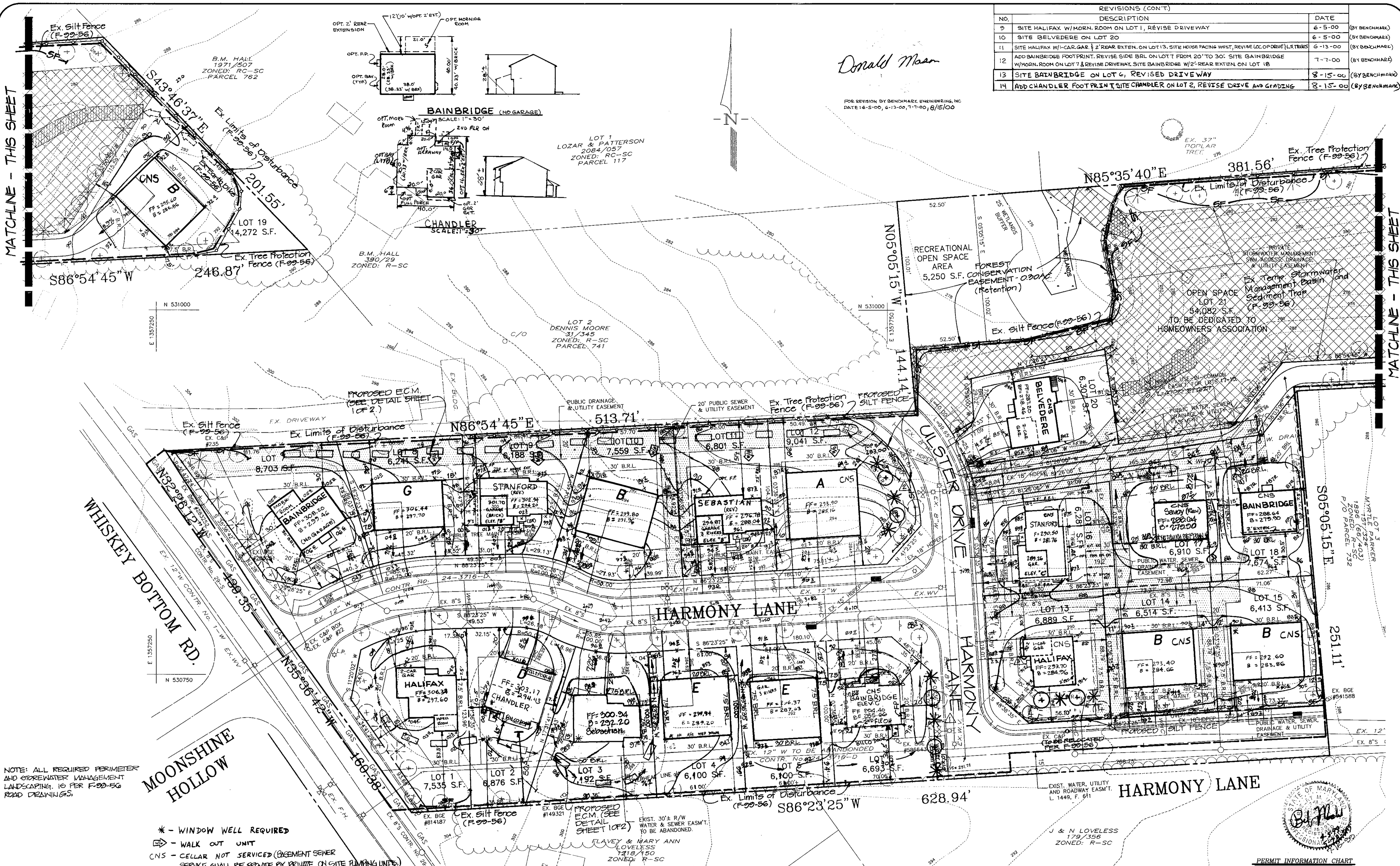
MATCHLINE - THIS SHEET

MATCHLINE - THIS SHEET

REVISIONS (CON'T)		
NO.	DESCRIPTION	DATE
9	SITE HALIFAX W/MORN. ROOM ON LOT 1, REVISE DRIVEWAY	6-5-00 (BY BENCHMARK)
10	SITE BELVEDERE ON LOT 20	6-5-00 (BY BENCHMARK)
11	SITE HALIFAX W/CAR GAR. 2' REAR EXTEN. ON LOT 13. SITE HOUS. FACING WEST, REVISE LOC. OF DRIVE LINES	6-13-00 (BY BENCHMARK)
12	ADD BAINBRIDGE FOOTPRINT. REVISE SIDE BRL ON LOT 7 FROM 20' TO 30'. SITE BAINBRIDGE W/MORN. ROOM ON LOT 7 & REVISE DRIVEWAY. SITE BAINBRIDGE W/2' REAR EXTEN. ON LOT 18	7-7-00 (BY BENCHMARK)
13	SITE BAINBRIDGE ON LOT 6, REVISED DRIVEWAY	8-15-00 (BY BENCHMARK)
14	ADD CHANDLER FOOTPRINT. SITE CHANDLER ON LOT 2, REVISE DRIVE AND GRADING	8-15-00 (BY BENCHMARK)

Donald Mason

FOR REVISION BY BENCHMARK ENGINEERING, INC. DATE: 6-5-00, 6-13-00, 7-7-00, 8/15/00



NOTE: ALL REQUIRED PERIMETER AND STORMWATER MANAGEMENT LANDSCAPING IS PER F-99-56 ROAD DRAWINGS.

MOONSHINE HOLLOW

- * - WINDOW WELL REQUIRED
- ☐ - WALK OUT UNIT
- CNS - CELLAR NOT SERVICED (BASEMENT SEWER SERVICE SHALL BE PROVIDED BY PRIVATE ON SITE PUMPING UNIT)

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Donald Mason
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 8/21/99

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT
John R. Rector
HOWARD SOIL CONSERVATION DISTRICT
DATE: 8/25/99

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Cheryl Simmons
MSDA - NATURAL RESOURCES CONSERVATION SERVICE
DATE: 8/25/99

BUILDER'S CERTIFICATE
I certify that all development and construction will be done accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this 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 onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.
Michael Shearer
Signature of Builder
DATE: 4/1/99

ENGINEER'S CERTIFICATE
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 County Soil Conservation District.
Robert M. Mochi
Robert M. Mochi, P.E.
DATE: 4-5-99

SUBDIVISION NAME		KINGS ARMS		LOTS 1 THRU 20	
SECT./AREA	PARCEL #	LIBER & FOLIO	PREVIOUS FILE:		
1/1	169,731, & P/O 792	4636/124 3432/371 4587/589 5/21	S-98-02 P-98-27 F-99-56		
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.	CENSUS
13775-13776	21 & 22	R-SC	47	6th	6069.02
WATER CODE	SEWER CODE				
CO3	7210000				
SCALE: 1" = 30'	DATE: 03/26/99				

DATE	03-19-99	BY	engineering
PROJECT	98007.21	BY	MWZ
ILLUSTRATION	KMB	BY	approval
SCALE	1"=30'	BY	RAM

REVISIONS: SEE MODEL REVIEW - 03-19-99, 03-22-99, 03-23-99, 03-24-99, 03-25-99, 03-26-99, 03-27-99, 03-28-99, 03-29-99, 03-30-99, 03-31-99, 04-01-99, 04-02-99, 04-03-99, 04-04-99, 04-05-99, 04-06-99, 04-07-99, 04-08-99, 04-09-99, 04-10-99, 04-11-99, 04-12-99, 04-13-99, 04-14-99, 04-15-99, 04-16-99, 04-17-99, 04-18-99, 04-19-99, 04-20-99, 04-21-99, 04-22-99, 04-23-99, 04-24-99, 04-25-99, 04-26-99, 04-27-99, 04-28-99, 04-29-99, 04-30-99, 04-31-99, 05-01-99, 05-02-99, 05-03-99, 05-04-99, 05-05-99, 05-06-99, 05-07-99, 05-08-99, 05-09-99, 05-10-99, 05-11-99, 05-12-99, 05-13-99, 05-14-99, 05-15-99, 05-16-99, 05-17-99, 05-18-99, 05-19-99, 05-20-99, 05-21-99, 05-22-99, 05-23-99, 05-24-99, 05-25-99, 05-26-99, 05-27-99, 05-28-99, 05-29-99, 05-30-99, 05-31-99, 06-01-99, 06-02-99, 06-03-99, 06-04-99, 06-05-99, 06-06-99, 06-07-99, 06-08-99, 06-09-99, 06-10-99, 06-11-99, 06-12-99, 06-13-99, 06-14-99, 06-15-99, 06-16-99, 06-17-99, 06-18-99, 06-19-99, 06-20-99, 06-21-99, 06-22-99, 06-23-99, 06-24-99, 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