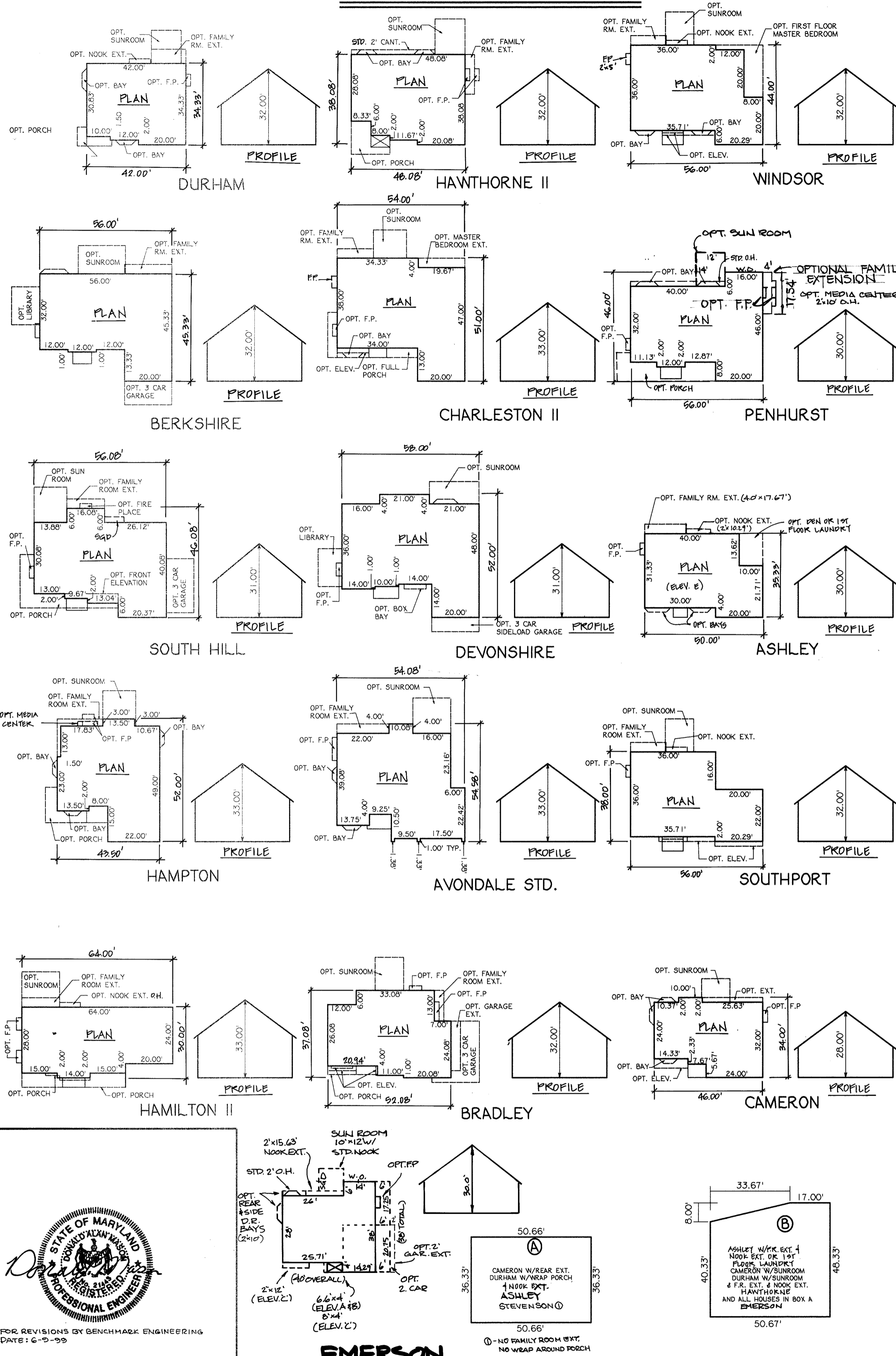
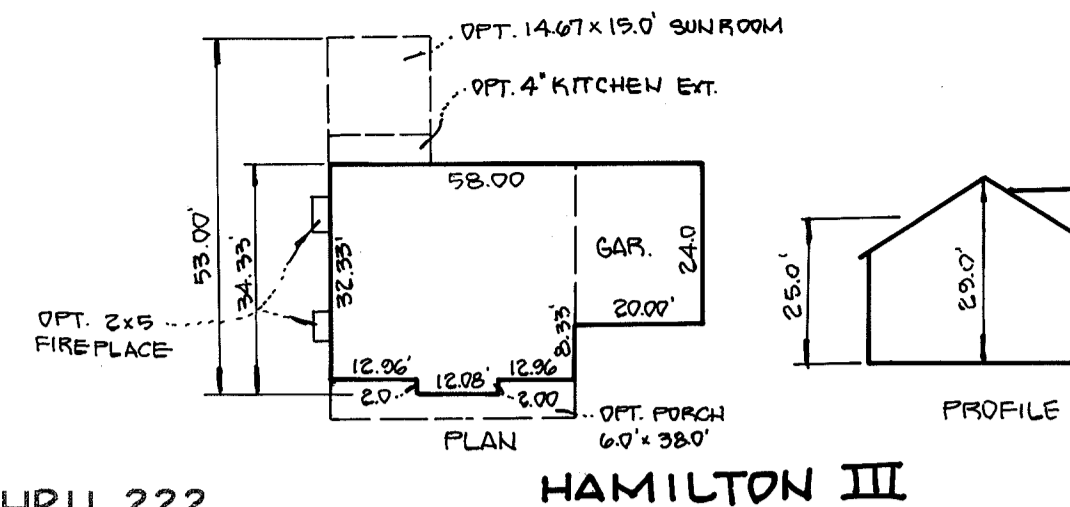


TYPICAL FOOTPRINTS



INDEX OF SHEETS

- 1.) TITLE SHEET
- 2.) PLAN SHEET - LOTS 132 THRU 137
- 3.) PLAN SHEET - LOTS 158 THRU 176
- 4.) PLAN SHEET - LOTS 139 THRU 147 & 213 THRU 222
- 5.) PLAN SHEET - LOTS 148 THRU 157, 177 THRU 179 & 194 THRU 212
- 6.) PLAN SHEET - LOTS 180 THRU 186
- 7.) PLAN SHEET - LOTS 223 THRU 229
- 8.) NOTES AND DETAILS

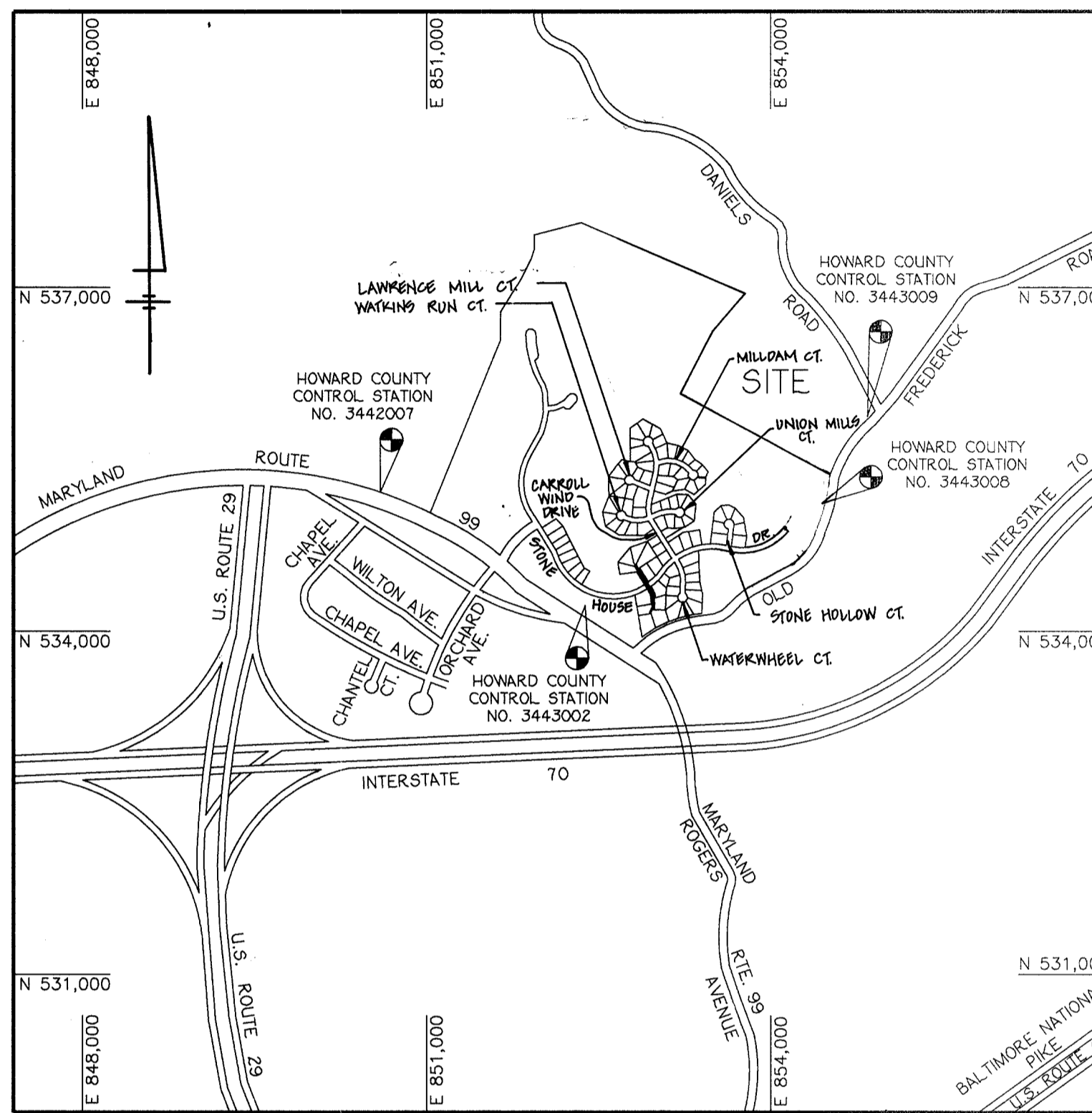


GENERAL NOTES

- 1) AREA INCLUDED IN THIS SUBMISSION IS 24.71 +/- ACRES (1,076,523 S.F.).
- 2) PRESENT ZONING IS R-ED PER 10/18/93 COMPREHENSIVE REZONING PLAN.
- 3) PROPOSED USE OF PROPERTY IS SINGLE FAMILY DETACHED HOUSING.
- 4) TOTAL NUMBER OF LOTS INCLUDED IN THIS SUBMISSION IS 86.
- 5) MINIMUM LOT SIZE IS 6000 S.F.
- 6) DEPARTMENT OF PLANNING AND ZONING REFERENCE FILE NUMBERS ARE F96-37, F96-128, F96-67, S-95-18, PB 299, W 95-74, W 96-30, F97-42 AND F97-46.
- 7) UTILITIES SHOWN AS EXISTING ARE TAKEN FROM WATER AND SEWER CONTRACT NUMBERS 14 3580-D, 14 3581-D. ROAD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED ROAD DRAWINGS.
- 8) ANY DAMAGE TO COUNTY OWNED RIGHTS-OF-WAY SHALL BE CORRECTED AT THE DEVELOPERS EXPENSE.
- 9) EXISTING CONTOURS ARE BASED OFF THE MASS GRADING PLANS PREPARED BY FISHER, COLLINS, AND CARTER, INC. (S.D.P. 97-22).
- 10) THE COORDINATES SHOWN HEREON ARE BASED ON NAD 83; MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. H.C.M. 17 EA AND NO. H.C.M. 17 EB.
STATION NO. H.C.M. 17EA: N 181160.5724 (METERS)
E 413772.7247 (METERS)
STATION NO. H.C.M. 17EB: N 180994.8448 (METERS)
E 413227.8979 (METERS)
- 11) THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/DIVISION OF CONSTRUCTION INSPECTION AT (410) 313-1880 AT LEAST 24 HOURS PRIOR TO START OF WORK.
- 12) THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- 13) DRIVEWAY ENTRANCES ARE TO BE CONSTRUCTED PER THE HOWARD COUNTY DESIGN MANUAL VOLUME IV, DETAILS R.6.03 AND R.6.05.
- 14) STORMWATER MANAGEMENT IS PROVIDED PER F-96-128.
- 15) THIS PLAN IS FOR HOUSE SITING AND LOT GRADING ONLY. SEE THE APPROVED CONSTRUCTION DRAWINGS FOR INSTALLATION OF UTILITIES, ROADWAYS, AND PUBLIC WALKWAYS.

STREET ADDRESS CHART

LOT NO.	STREET ADDRESS
148	8601 WATKINS RUN COURT
149	8605 WATKINS RUN COURT
150	8607 WATKINS RUN COURT
151	8613 WATKINS RUN COURT
152	8617 WATKINS RUN COURT
153	8612 WATKINS RUN COURT
154	8608 WATKINS RUN COURT
155	8604 WATKINS RUN COURT
156	8600 WATKINS RUN COURT
157	7825 CARROLL WIND DRIVE
177	7827 CARROLL WIND DRIVE
178	8605 LAWRENCE MILL COURT
179	8609 LAWRENCE MILL COURT
194	8501 MILLDAM COURT
195	8505 MILLDAM COURT
196	8509 MILLDAM COURT
197	8513 MILLDAM COURT
198	8517 MILLDAM COURT
199	8521 MILLDAM COURT
200	8525 MILLDAM COURT
201	8511 MILLDAM COURT
202	8515 MILLDAM COURT
203	8508 MILLDAM COURT
204	8504 MILLDAM COURT
205	8500 MILLDAM COURT
206	7828 CARROLL WIND DRIVE
207	7824 CARROLL WIND DRIVE
209	8501 UNION MILLS COURT
210	8505 UNION MILLS COURT
211	8509 UNION MILLS COURT
212	8513 UNION MILLS COURT



VICINITY MAP

SCALE: 1" = 1200'

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT (1 WEEK)
2. REGRADE EXISTING SEDIMENT CONTROL MEASURES PER FINAL ROAD DWG. (8 DAYS)
3. INSTALL SEDIMENT AND EROSION CONTROL DEVICES PER PLAN. (8 DAYS)
4. CLEAR AND GRUB SITE (4 DAYS)
5. EXCAVATE FOR FOUNDATIONS AND ROUGH GRADE (10 WEEKS)
6. CONSTRUCT DWELLING (60 DAYS PER DWELLING)
7. FINE GRADE SITE, INSTALL DRIVEWAYS (2 DAYS PER DRIVEWAY AND LOT)
8. INSTALL PERMANENT SEEDING AND LANDSCAPING (2 DAYS)
9. REMOVE SEDIMENT CONTROL DEVICES AS PERMISSION IS GRANTED BY SEDIMENT CONTROL INSPECTOR AND UPLAND AREAS HAVE BEEN STABILIZED (2 DAYS)

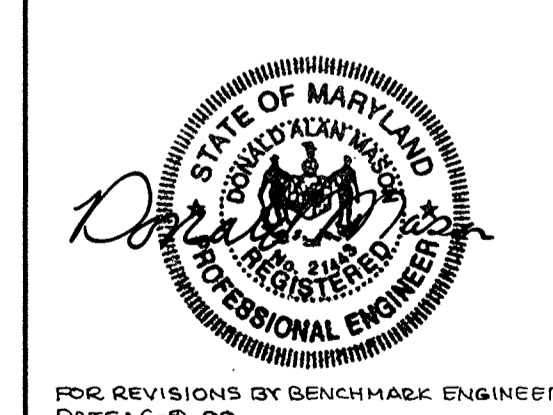
NOTE: BAT WINDOWS, WINDOW WELL, DECKS, VESTIBULES, BALCONIES, CHIMNEYS, HEATING/AIR CONDITIONING UNITS AND EXTERIOR STAIRWAYS OR RAMP IF NOT MORE THAN SIXTEEN FEET IN WIDTH MAY PROJECT NOT MORE THAN FOUR FEET INTO ANY REQUIRED SETBACK AREA OR REQUIRED DISTANCE BETWEEN BUILDINGS.

LEGEND

SYMBOL	DESCRIPTION
F.F.	FINISHED FLOOR ELEVATION
F.F.E.	FINISHED TOP OF FOOTING ELEVATION
P.P.E.	PROPOSED GROUND ELEVATION AT WALKOUT CONDITION
G.P.E.	GROUND SPOT ELEVATION
UNIT	UNIT DESIGNATION FROM ARCHITECTURAL PLAN
5R	NUMBER OF RISERS - 7 1/2" EACH (INCLUDING 2 RISERS INTO HOUSE)
W/W	WINDOW WELL REQUIRED FOR BASEMENT WINDOWS IN REAR
---	PROPOSED CONTOUR
---	EXISTING GROUND CONTOUR
---	DRAINAGE FLOW ARROW
---	PROPERTY LINE
---	RIGHT-OF-WAY
---	EXISTING CURB & GUTTER
---	EXISTING WATER MAINS
---	EXISTING STORM DRAINS
---	EXISTING SEWER LINES
#000	HOUSE NUMBERS
○	STREET TREES

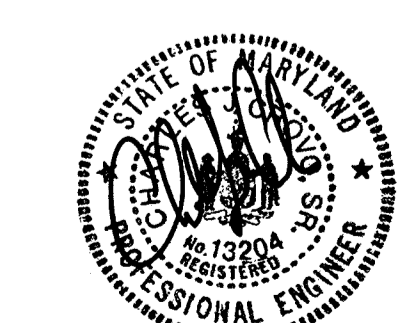
DEVELOPER

THE RYLAND GROUP INC.
GALLERIA TOWERS
SUITE 109
1447 YORK ROAD
LUTHERVILLE, MARYLAND 21093



FOR REVISIONS BY BENCHMARK ENGINEERING DATE: 6-9-98

DATE	REVISION
1-8-00	ADD 2' GAR. EXT. TO THE EMERSON HOUSE TYPE
12-1-99	ADD DIM. TO ASHLEY Y. DIM. EXT. & NOOK EXT'S
9-14-99	ADD EMERSON UNIT TO BOX #1 (MRA)
6-9-99	ADD STEVENSON UNIT TO 'A' BOX (BY BENCHMARK)
10-7-98	REVISE ADDRESS LOT 218
3-6-98	ADD HAMILTON III MODEL
3-10-97	REVISE HOUSE MODELS.
	REVISION



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 SOIL CONSERVATION DISTRICT."

Signature: *Charles O'Donovan* DATE: 4/16/97

DEVELOPER'S CERTIFICATE
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature: *Charles O'Donovan* DATE: 4-16-97

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

Signature: *Paul Robertson* DATE: 6/6/97

Signature: *Paul Robertson* DATE: 6/6/97

COWNER
RYLAND HOMES AT HOLLIFIELD STATION
THE RYLAND GROUP INCORPORATED
GALLERIA TOWERS-918-109
1447 YORK ROAD
LUTHERVILLE, MD 21093

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: *Cindy Hamilton* DATE: 7/7/97

Signature: *Paul Robertson* DATE: 6/17/97

Signature: *Paul Robertson* DATE: 7/7/97

SUBDIVISION	SECTION / AREA	LOT NO.
DANIELS MILL OVERLOOK	2/3 & 4	131-229
PLAT NOS	BLOCK NO.	ZONE
12703	23	R-ED
12815		
WATER CODE	TAX / ZONE	ELEC. DIST.
H 02	16	2ND
	SEWER CODE	CENSUS TR.
	1454890	6021

SITE DEVELOPMENT PLAN (GENERIC)

DANIELS MILL OVERLOOK

SECTION 2 AREA 3 & 4
LOTS 132 THRU 186 & 194 THRU 229

TAX MAP NO: 17 PART OF PARCEL 41 AND 547
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: APRIL 1997
SHEET 1 OF 8



- EX. TRAP DATA**
1. DRAINAGE AREA: 3.62 AC±
 2. STORAGE REQUIRED: 19092 C.F.
 3. STORAGE PROVIDED: 19672 C.F.
 4. WEIR CREST ELEV.: 441.00
 5. BOTTOM ELEV.: 437.00
 6. DEPTH: 4.0'
 7. SIDE SLOPES: 2:1
 8. TOP OF EMBANKMENT: 442.00
 9. WEIR LENGTH: 15'
 10. CLEANOUT ELEV.: 439.00

LEGEND:

- FF FINISHED FLOOR ELEVATION.
- FT FINISHED TOP OF FOOTING ELEVATION.
- GE PROPOSED GROUND ELEVATION AT WALKOUT CONDITION.
- GS GROUND SPOT ELEVATION.
- UD UNIT DESIGNATION FROM ARCHITECTURAL PLAN.
- NR NUMBER OF RISERS - 7/2 EACH (INCLUDING 2 RISERS INTO HOUSE).
- WJ WINDOW WELL REQUIRED FOR BASEMENT WINDOWS IN REAR.
- PC PROPOSED CONTOUR.
- EC EXISTING CONTOUR.
- DA DRAINAGE FLOW ARROW.
- PL PROPERTY LINE.
- RO RIGHT-OF-WAY.
- ECB EXISTING CURB & GUTTER.
- EXM EXISTING WATER MAINS.
- ESD EXISTING STORM DRAINS.
- ESL EXISTING SEWER LINES.
- H# HOUSE NUMBERS.
- ST STREET TREES.

LOT INFORMATION			
LOT #	LOT SIZE (SQ. FT.)	MIN. CELLAR ELEV.	INV. ELEV. PROPERTY LINE (S.H.C.)
138	15,190	455.5	449.61
139	15,408	449.1	443.51
140	16,206	448.2	443.06
141	16,300	455.3	449.43
142	13,347	460.7	455.55
143	9,753	461.6	456.29
144	10,389	457.0	451.81
145	8,918	456.6	451.46
146	9,042	456.2	451.01
147	10,946	436.5	431.30
148	12,479	444.7	439.14
149	12,661	444.9	439.42
150	8,894	446.3	439.97
151	8,238	449.1	443.87
152	10,424	455.8	450.48
153	9,554	455.9	450.29
154	12,095	457.0	450.67
155	10,041	457.8	452.67
156	10,059	456.9	453.09

NOTE: EXISTING TOPS SHOWN ON PLAN IS BASED ON PROPOSED GRADES AS SHOWN ON MASS GRADING PLAN.

NOTE: CONSTRUCTION OF HOUSE ON LOT 124 WILL BE DELAYED UNTIL PERMISSION IS GRANTED BY E/S CONTROL TO REMOVE THIS EXISTING TRAP.

DATE	NO.	DESCRIPTION
7-8-97	7	REV. MOD. ON LOT 214 & 144
4-30-97	6	REV. LOTS 143 & 124 AS NOTED BY PERMITS
2-10-97	5	ADD WINDOWS & REV. GRADES LOT 216
10-8-96	4	ADD WINDOWS, REV. GRADES, RELOCATE HWY. AND RELOCATE LANDSCAPE SUPPLY LOT 218
9-2-96	3	ADD SOUTHWALL & REV. GRADES LOT 142
6-6-96	2	ADD WINDOWS & REV. GRADES LOT 219
4-1-96	1	ADD SOUTHWALL & REV. GRADES LOT 141

DEVELOPER
THE KYLAND GROUP, INC.
1447 YORK ROAD
LUTHERVILLE, MARYLAND 21093

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 Soil Conservation District."

Charles O'Donovan 4/16/97
Signature of Engineer (Print name below signature) Date

DEVELOPER'S CERTIFICATE

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

Charles O'Donovan 4-16-97
Signature of Developer (Print name below signature) Date

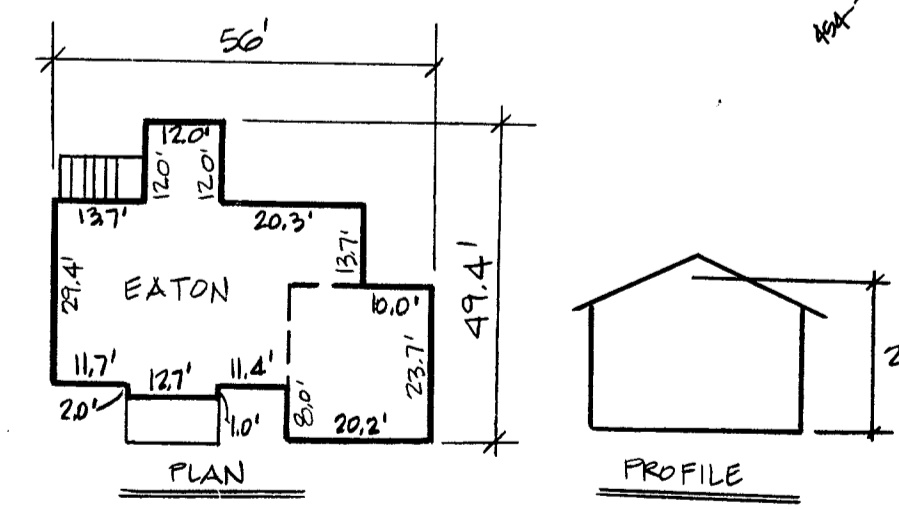
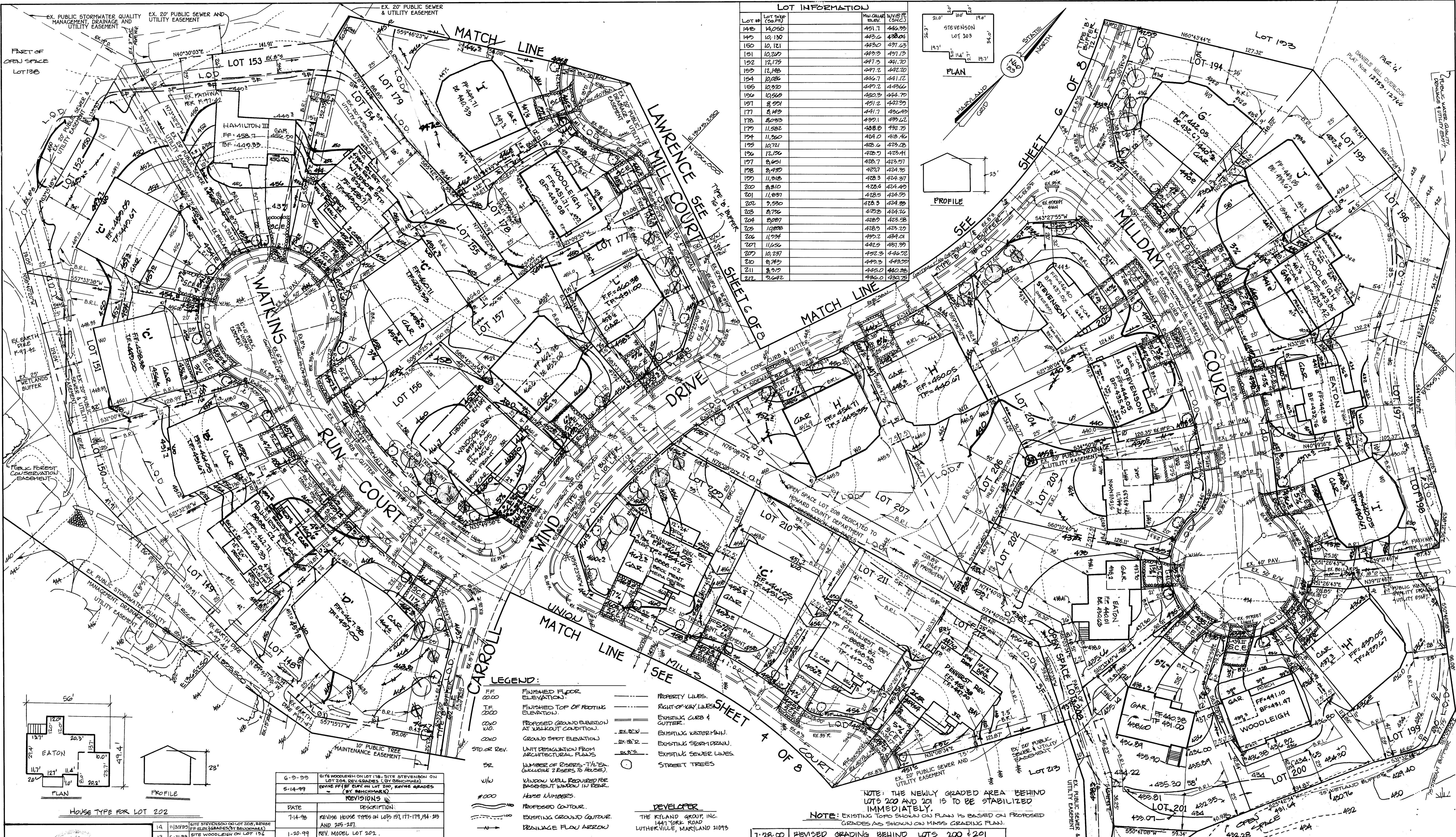
Reviewed for HOWARD SCD and meets Technical Requirements.
Charles O'Donovan 6/16/97
U.S.D.A.-Natural Resources Conservation Service
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
John J. Hamilton 6/16/97
Howard SCD

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Candy Hamilton 7/3/97
Chief, Division of Land Development
John J. Hamilton 6/17/97
Chief, Development Engineering Division
John J. Hamilton 7/2/97
DIRECTOR

SITE DEVELOPMENT PLAN (GENERIC)
DANIELS MILL OVERLOOK
SECTION 2 AREA 3+4
LOTS 132 THRU 186 & 194 THRU 222

SUBDIVISION		SECTION/AREA	LOT NO.
DANIELS MILL OVERLOOK		2/3	132-141, 208 & 213-222
PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE
12786	23	R-ED	17
WATER CODE	SEWER CODE	ELEC. DIST.	CENSUS TR.
H02		2nd	6021
1454805			

TAX MAP No: 17 PARCEL: 41+547
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1" = 30'
DATE: APRIL, 1997
SHEET 5 OF 8



DATE	DESCRIPTION	
6-9-99	SITE WOODLEIGH ON LOT 178, SITE STEVENSON ON LOT 200, REVERSE (BY BENCHMARK)	
5-14-99	REVISE HOUSE TYPES ON LOTS 191, 177-179, 194, 193 AND 205-207.	
REVISIONS		
14	11-30-99 SITE STEVENSON ON LOT 200, REVERSE (BY BENCHMARK)	
13	6-21-99 SITE WOODLEIGH ON LOT 178 (BY BENCHMARK)	
12	4-13-99 SITE WINDSOR REV. LOT 156	
11	3-30-99 SITE WOODLEIGH W/284 REAR EXTN. LOT 200 (BY BENCHMARK)	
10	3-2-99 SITE WINDSOR STD. LOT 154	
9	2-2-99 SITE EATON UNIT W/185, LOT 197, REV. GRADING (BY BENCHMARK)	
8	1-26-99 REV. MODEL ON LOT 203	
7	1-19-99 REV. MODEL AND GRADING LOT 202	
6	12-18-98 REV. MODEL AND GRADING LOT 212	
5	7-17-98 REV. MODEL AND GRADING LOT 194	
4	6-18-98 REV. MODEL AND GRADING LOT 205	
3	6-3-98 REV. GRADING AND WEE LOT 211	
2	4-3-98 REV. MODEL AND GRADING LOT 140	
1	3-3-98 REV. MODEL AND GRADING LOT 153	
No	DATE	DESCRIPTIONS

LEGEND:

- FF 02.00 FINISHED FLOOR ELEVATION
- TF 02.00 FINISHED TOP OF FOOTING ELEVATION
- 02.00 PROPOSED GROUND ELEVATION AT WALKOUT CONDITION
- 02.00 GROUND SPOT ELEVATION
- UNIT REGULATION FROM ARCHITECTURAL PLANS
- EX NUMBER OF BRICKS/TILES (INCLUDING 2 BRICKS TO HOUSE)
- W/W WINDOW WELL REQUIRED PER BASEMENT WINDOW IN REAR
- #000 HOUSE NUMBERS
- PROPOSED CONTOUR
- EXISTING GROUND CONTOUR
- DRAINAGE FLOW ARROW
- PROPERTY LINES
- RIGHT-OF-WAY LINES
- EXISTING CURB & GUTTER
- EXISTING WATER MAIN
- EXISTING SIDE DRAIN
- EXISTING SEWER LINES
- STREET TREES

DEVELOPER:
THE KYLAND GROUP, INC.
1447 YORK ROAD
LUTHERVILLE, MARYLAND 21093

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 Soil Conservation District.

Charles O'Conovan
Signature of Engineer (Print name below signature) Date: 4/16/97

DEVELOPER'S CERTIFICATE
I/we certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

Charles O'Conovan
Signature of Developer (Print name below signature) Date: 4-16-97

OWNER:
KYLAND HOMES AT HOLLIFIELD STATION
THE KYLAND GROUP, INC.
GALLERIA TOWERS, SUITE 705
1447 YORK ROAD
LUTHERVILLE, MD. 21093

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chief, Division of Land Development: *Andy Hamilton* Date: 7/3/97
Chief, Development Engineering Division: *John Danvers* Date: 6/7/97
Director: *James S. Sells* Date: 7/7/97

SUBDIVISION: DANIELS MILL OVERLOOK
SECTION/AREA: 2/3 & 2/4
LOT NO.: 148-197, 177-179, 194-202

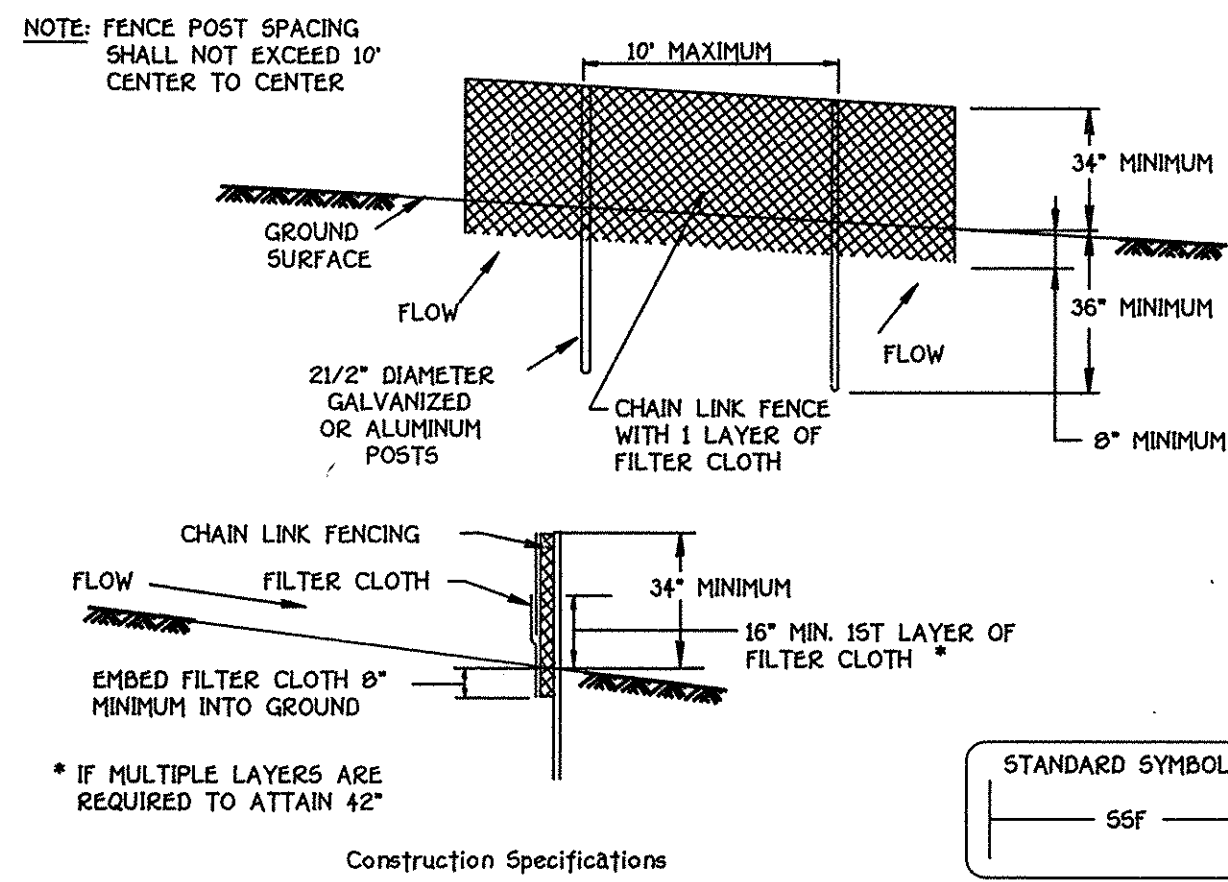
PLAT NOS.: 17148, 12189, 12189
BLOCK NO.: 23
ZONE: R-ED
TAX/ZONE: 17
ELEC. DIST.: 2ND
CENSUS TR.: 6021

WATER CODE: H-02
SEWER CODE: 1484805

SITE DEVELOPMENT PLAN (GENERIC)
DANIELS MILL OVERLOOK
SECTION 2 AREA 3/4
LOTS 132 THRU 186 & 194 THRU 201

TAX MAP No: 17 PART OF PARCEL: 41 AND 547
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1"=30' DATE: APRIL, 1997
SHEET 5 OF 8

NOTE: FENCE POST SPACING SHALL NOT EXCEED 10' CENTER TO CENTER



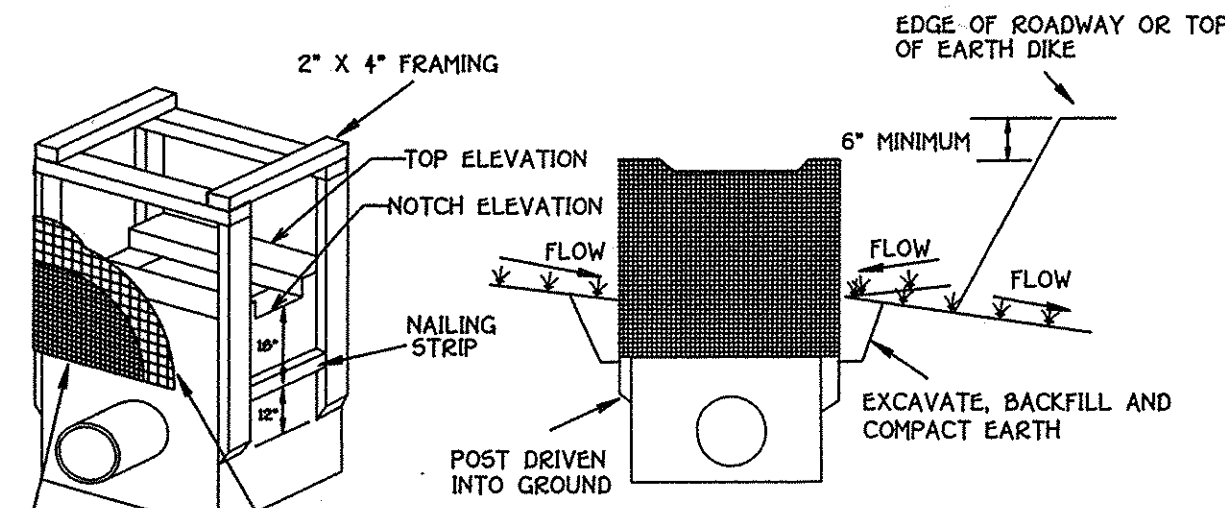
Construction Specifications

- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 8" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth 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 Strength	50 lbs/in (min)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min)	Test: MSMT 509
Flow Rate	0.3 gal/ft ² /minut ⁶ (max)	Test: MSMT 322
Filtering Efficiency	75% (min)	Test: MSMT 322

SUPER SILT FENCE

NOT TO SCALE



Construction Specifications

- Excavate completely around the inlet to a depth of 18" below the notch elevation.
- Drive the 2' x 4' construction grade lumber posts 1' into the ground at each corner of the inlet. Place nail strips between the posts on the ends of the inlet. Assemble top portion of the 2' x 4' frame using the overlap joint shown on Detail 23A. The top of the frame (weir) must be 6" below adjacent roadways where flooding and safety issues may arise.
- Stretch the 1/2" x 1/2" wire mesh tightly around the frame and fasten securely. The ends must meet and overlap at a post.
- Stretch the Geotextile Class E tightly over the wire mesh with the geotextile extending from the top of the frame to 18" below the inlet notch elevation. Fasten the geotextile firmly to the frame. The ends of the geotextile must meet at a post, be overlapped and folded, then fastened down.
- Backfill around the inlet in compacted 6" layers until the layer of earth is level with the notch elevation on the ends and top elevation on the sides.
- If the inlet is not in a sump, construct a compacted earth dike across the ditch line directly below it. The top of the earth dike should be at least 6" higher than the top of the frame.
- The structure must be inspected periodically and after each rain and the geotextile replaced when it becomes clogged.

STANDARD INLET PROTECTION

SILT FENCE

NOT TO SCALE

Construction Notes for Fabricated Silt Fence

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- CHAIN LINK FENCE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY MUST BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD	FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING	FILTER CLOTH: FILTER X, MIRAFL 100X, STABILIZED WITH 10% OR APPROVED EQUAL	PREFABRICATED INLET: GEOTEX, ENVIRONMENTAL, OR APPROVED EQUAL
--	--	--	---

STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE

- STONE SIZE - USE 0" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- THICKNESS - NOT LESS THAN 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.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 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 FOR CLEARANCE OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, 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 SHOULD BE DONE ON AN AREA STABILIZED WITH STONE AND WHEEL DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.

EARTH DIKE

NOT TO SCALE

Using vegetation as cover for barren soil to protect it from erosion. DEFINITION: Protective stabilization of vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to allow infiltration of rainfall, thereby reducing sediment loads and runoff to downstream areas, and improving wildlife habitat and visual resources.

VEGETATIVE STABILIZATION SPECIFICATIONS ARE TO BE USED ON HIGHLY ERODIBLE OR CRITICALLY ERODING AREAS. THIS SPECIFICATION IS DIVIDED INTO TEMPORARY SEEDING, TO BE USED FROM THE DATE OF SEEDING TO THE DATE OF PERMANENT SEEDING, FOR LONG TERM VEGETATIVE COVER. EXAMPLES OF APPLICABLE AREAS FOR TEMPORARY SEEDING ARE: TEMPORARY SOIL STOCKPILES, CLEARED AREAS BEING LEFT BETWEEN CONSTRUCTION PHASES, EARTH DIKES, ETC. AND FOR PERMANENT SEEDING ARE: LAWNS, DAMS, CUT AND FILL SLOPES AND OTHER AREAS AT FINAL GRADE, FORMER AESTHETIC AND SLIDING AREAS, ETC.

EFFECTS ON WATER QUALITY AND QUANTITY: Planting vegetation in disturbed areas will have an effect on the water budget, especially on volume and rates of runoff. Infiltration, evaporation, transpiration, precipitation, ground-water recharge, vegetation cover, time, will increase organic matter content and improve the water holding capacity of the soil and subsequent plant growth. Vegetation will help reduce the movement of sediment, nutrients, and other chemicals carried by runoff to receiving waters. Plants will also help protect groundwater supplies by assimilating those substances present within the root zone.

SEEDING PREPARATION: 1. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 50), SOIL CONSERVATION (SEC. 50), AND MULCHING (SEC. 50). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

SEEDING: 1. SEEDING PREPARATION SHALL CONSIST OF LOOSENING SOIL TO A DEPTH OF 3" TO 5" BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS A DISC, HARROW, OR CHISEL PLOW, OR RIGGING MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENED IT SHOULD NOT BE ROLLED OR COMPACTED, BUT LEFT IN THE ROUGHENED CONDITION. SLOPED AREAS GREATER THAN 3:1 SHOULD BE TRACKED LEAVING THE SURFACE IN AN IRREGULAR CONDITION WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE.

PERMANENT SEEDING: 1. MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT: a. SOIL pH SHALL BE BETWEEN 5.0 AND 7.0. b. SOLUBLE SALTS SHALL BE LESS THAN 500 PARTS PER MILLION (PPM). c. THE SOIL SHALL CONTAIN LESS THAN 10% ORGANIC MATTER. d. MATERIAL DRAINAGE SHALL BE TO BE OBTAINED, THEN A SANDY SOIL (COOL PLUM CLAY) WOULD BE ACCEPTABLE.

TEMPORARY SEEDING: 1. SEEDING PREPARATION SHALL CONSIST OF LOOSENING SOIL TO A DEPTH OF 3" TO 5" BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS A DISC, HARROW, OR CHISEL PLOW, OR RIGGING MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENED IT SHOULD NOT BE ROLLED OR COMPACTED, BUT LEFT IN THE ROUGHENED CONDITION. SLOPED AREAS GREATER THAN 3:1 SHOULD BE TRACKED LEAVING THE SURFACE IN AN IRREGULAR CONDITION WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE.

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SEDIMENT CONTROL NOTES

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

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 Soil Conservation District."

Signature of Engineer (Print name below signature) *Charles O'Donovan* Date *4/16/97*

DEVELOPER'S CERTIFICATE

"I/we certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer (Print name below signature) *Charles O'Donovan* Date *4-16-97*

Reviewed by HOWARD SCD and meets Technical Requirements.

Signature of Reviewer (Print name below signature) *Charles O'Donovan* Date *4/16/97*

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature of Approver (Print name below signature) *Charles O'Donovan* Date *4/16/97*

SITE DEVELOPMENT PLAN (GENERIC)

DANIELS MILL OVERLOOK SECTION 2, AREA 3, 4
LOTS 132 THRU 183, 114 THRU 127

TAX MAP No: 17 PART OF PARCEL: 41 AND 547
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: APRIL, 1997

DEVELOPER		OWNER	
THE RYLAND GROUP INC. GALLERIA TOWERS SUITE 705 1447 YORK ROAD LUTHERVILLE, MARYLAND 21093	RYLAND HOMES AT HOLLIFIELD STATION THE RYLAND GROUP INC. GALLERIA TOWERS SUITE 705 1447 YORK ROAD LUTHERVILLE, MARYLAND 21093		

