

LAND OF POE 3089 - 63

OWNER / DEVELOPER

TERRA MARIA L.L.C. BY DAVID DEMANGO, PRESIDENT SYNERGY DEVELOPMENT VENTURE II, INC. IT'S MANAGING MEMBER 231 EAST BALTIMORE STREET 10 TH FLOOR BALTIMORE, MARYLAND 2/202-34/5 MORRIS & RITCHIE ASSOC., INC. ENGINEERS, PLANNERS, SURVEYORS, AND LANDSCAPE ARCHITECTS 139 N. Main Street, Suite 200 Bel Air, Maryland 21014 7-10-98 REV. MODEL AND GRAPING LOT 74/ (410) 879-1690 - (410) 836-7560 DATE DESCRIPTION Fax: (410) 879-1820 REVISIONS

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) DAVID G. TAYLOR 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."

(PUBLIC ROAD)

NOT PART OF THIS SUBMISSION

FORMAL

OPEN SPACE

TOTAL AREA!=

13,132 sq. ft. +/-

⊱PUBLIC~

UTILITY EASEMENT

(117)

FORMAL

OPEN SPACE

TOTAL AREA =

4,632 sq. ft. +/-

LANE — EXISTING WESTBOUND LANE

AREA DEDICATED TO THE STATE OF MARYLAND FOR THE PURPOSE OF PUBLIC ROADWAY - 0.162 Ac. TOTAL

SEQUENCE OF CONSTRUCTION

EXCAVATE FOR FOUNDATION AND ROUGH GRADE.

INSTALL SEDIMENT AND EROSION CONTROL DEVICES PER PLAN.

REMOVE SEDIMENT CONTROL DEVICES AS PERMISSION IS

GRANTED BY SEDIMENT CONTROL INSPECTOR AND UPLAND

PUBLIC 20' DRAINAGE

FOREST CONSERVATION

EASEMENT-

PUBLIC OPEN SPACE

TOTAL AREA = 26,235 sq. ft. +/-

EX IB" RCCP

NOT PART

- OF THIS -

SUBMISSION

FUTURE WIDENING

-SAINT -- CHARLES -- PLACE -- (PUBLIC ROAD)

C4 CONC. WALK

-15' PUBLIC WATER AND UTILITY EASEMENT -

___LIMIT OF WETLANDS -

OBTAIN GRADING PERMIT.

CLEAR AND GRUB SITE.

CONSTRUCT DWELLING.

S 81°32'31" 5 125.00'

S 81 . 32'31" E 2.49'

INGRESS AND EGRESS IS RESTRICTED

PLAN

SCALE: 1"=30'

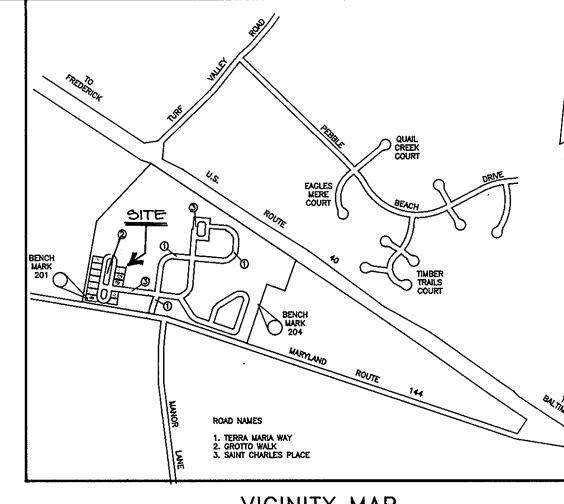
INSTALL TREE PROTECTION DEVICES.

FINE GRADE SITE, INSTALL DRIVEWAYS.

INSTALL PERMANENT SEEDING.

AREAS HAVE BEEN STABLIZIED.

12/10/97 DATE SECTION / AREA LOT NO. 60-64, 70-77 BLOCK NO. | ZONE | TAX/ZONE | ELEC. DIST. | CENSUS TR.



VICINITY MAP SCALE: 1"=1000'

NOTE: THIS PROJECT IS SUBJECT TO EONING CASE NO ZB 925M AND PLANNING BOARD CASE NO. 201.

NOTE: USE IN COMMON ACCESS EASEMENTS ARE RECORDED IN THE HOWARD CO. LAND RECORDS LIBER 411 FOLIO 629

	SHEET INDEX
SHEET No.	DESCRIPTION
1	SITE DEVELOPMENT PLAN
2	DETAIL SHEET

GENERAL NOTES

- 1. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 313-1870 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.
- 3. THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: TERRA MARIA 594-02, P 94-24, AND F 95-99.
 4. BOUNDARY AND TOPOGRAPHIC SURVEY WAS PREPARED BY FISHER, COLLINS &
- CARTER, INC. ON OR ABOUT JANUARY 1992. 5. HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS 33438001 AND 339003.
- 6. ANY DAMAGE TO THE COUNTY'S RIGHT OF WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE. 7. EXISTING UTILITIES WERE LOCATED FROM EXISTING ROAD CONSTRUCTION DRAWINGS AND EXISTING WATER AND SEWER CONTRACT No. 24-3407-D
- 8. SITE ANALYSIS: A. THIS PROJECT IS ZONED R-ED (TIJO DESIGN, ZOLING SECTION 128.6)
 B. TOTAL AREA OF BUILDABLE LOTS: 2.04 Ac. +/-
- C. LIMIT OF SUBMISSION AREA: 2.04 Ac. +/D. TOTAL NUMBER BUILDABLE LOTS: 13
- 9. THE MAXIMUM ALLOWABLE COVERAGE BY A STRUCTURE ON ANY LOT IS 60% 10. ALL FIREPLACE CHIMNEYS AND BAY WINDOWS NOT MORE THAN 10 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY REQUIRED YARD IN ACCORDANCE WITH SECTION 128 OF THE ZONING REGULATIONS. 11. PROJECT BACKROUND:
- LOCATION: TAX MAP 16, PARCEL 114 ZONED: R-ED ELECTION DISTRICT: SECOND TOTAL TRACT AREA: 55.107 AC. +/-
- 12. STORMWATER MANAGEMENT PROVIDED BY FACILITY ON SITE. (TERRA MARIA F 95-99)
- 13. THIS PLAN IS FOR HOUSE SITTING AND LOT GRADING ONLY. IMPROVEMENTS SHOWN WITHIN THE RIGHT-OF-WAYS ON THIS S.D.P. ARE NOT USED FOR CONSTRUCTION. SEE APPROVED ROAD CONSTRUCTION PLANS F 95-99 AND/OR APPROVED WATER AND SEWER PLANS CONTRACT No. 24-3407-D.
- 14. CONTRACTOR TO CONSTRUCT RESIDENTIAL DRIVEWAY ENTRANCES PER HOWARD COUNTY STANDARD DETAILS R6.05, R6.01 AND R6.02.
- 15. CONTRACTORS ARE TO CONSTRUCT DOWN SPOUTS SO THAT THERE IS NO CONCENTRATION OF DISCHARGE BETWEEN HOUSES.
- 16. PROPOSED USE OF PROPERTY IS SINGLE FAMILY DETACHED HOUSING. BENCH MARKS

REBAR AND CAP SET FLUSH WITH GROUND CENTERLINE STATION 0+64 MD. ROUTE 144 75' LEFT OF CENTERLINE. ELEV. =

REBAR AND CAP SET FLUSH WITH GROUND CENTERLINE STATION 17+67 MD. ROUTE 144 422' LEFT OF CENTERLINE. ELEV. =

SITE DEVELOPMENT PLAN

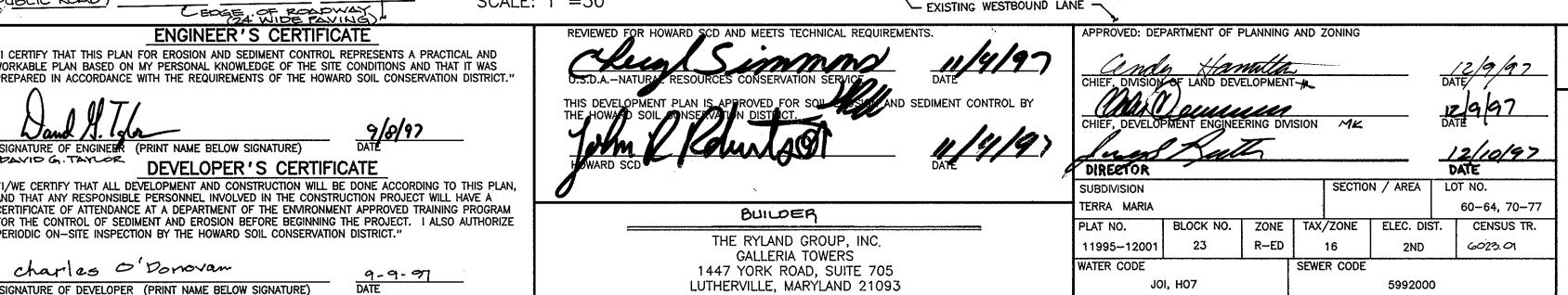
(GENERIC)

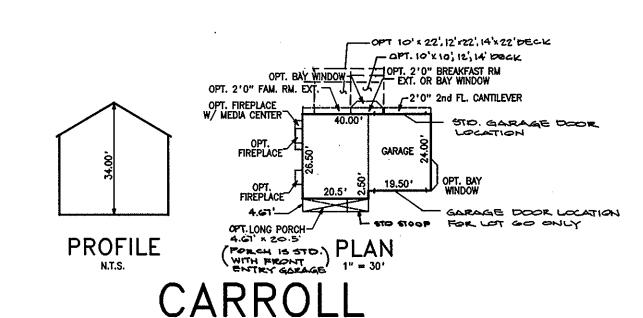
MARIA

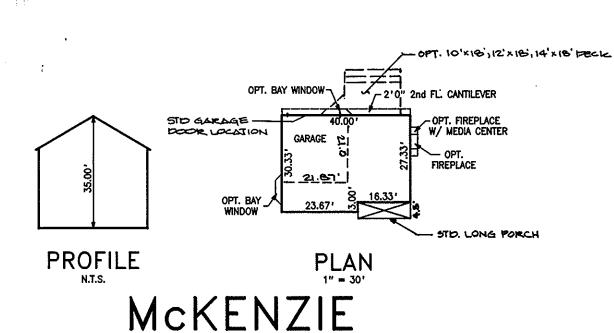
LOTS: 60-64 & 70-77

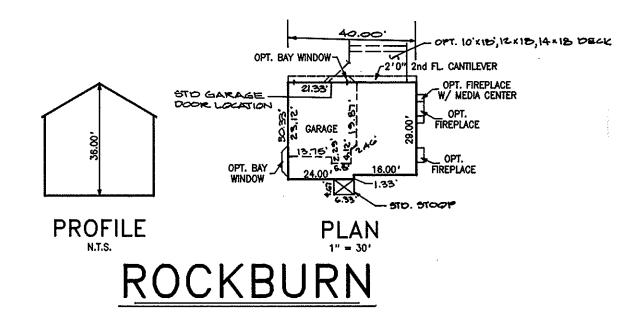
PLAT #11996 TAX MAP NO: 16 PART OF PARCEL 114 AND 547 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND SCALE: 1"=30' DATE: 8/25/97 SHEET 1 OF 2

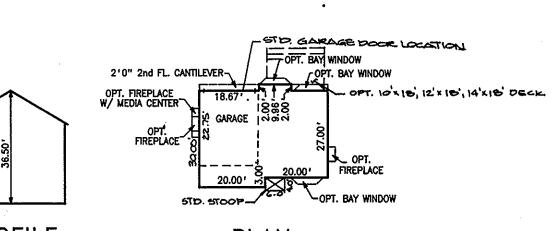
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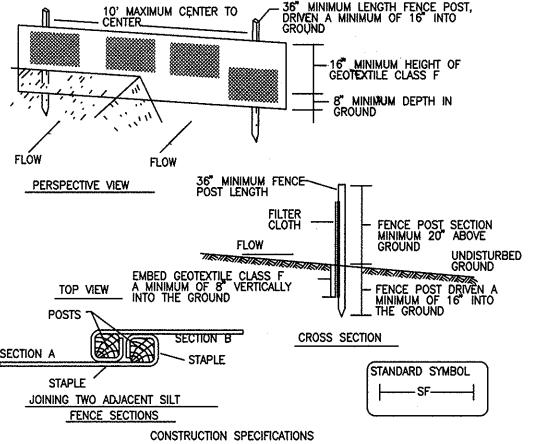


PATUXENT

APPROVED PLANNING BOARD OF HOWARD COUNTY DATE 10/23/97

RESIDENTIAL DRIVEWAY* N.T.S.

*: SEE GENERAL NOTE NO. 14 SHEET 10F2



1. 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 SECTION WEIGHTING NOT LESS THAN 1.00 POND PER LINEAR FOOT. GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES

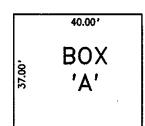
OR STAPLES AT TOP AND MID-SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS TENSILE STRENGTH 50 LBS/IN (MIN.) 20 LBS/IN (MIN.) TENSILE MODULUS 0.3 GAL FT / MINUTE (MAX.) TEST: MSMT 322

3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.

FILTERING EFFICIENCY

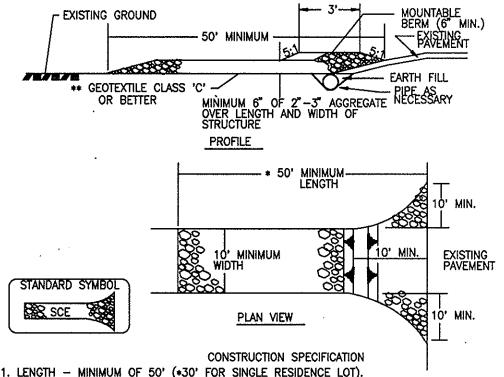
4. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

LB. MIN. STRENGTH F (SILT FENCE) 0.40 - 0.80* 90 SILT FENCE NOT TO SCALE



McKENZIE ROCKBURN PATUXENT

-4" CONCRETE - WIRE MECH REINFORCEMENT 6" X 6" GRID SPACING - GRADED AND EMOSTHED GROUND COMPACTED TO MIN. 85% OF AN SHITO T-180 MAX DRY DENSITY. TYPICAL PAVING SECTION



1. LENGTH - MINIMUM OF 50' (+30' FOR SINGLE RESIDENCE LOT). 2. WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE

A TURNING RADIUS. 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.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

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).
- 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 MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM
- 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 (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 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.

SITE ANALYSIS: TOTAL AREA OF SITE ACRES = 2.04AREA DISTURBED ACRES = 1.94 AREA TO BE ROOFED OR PAVED ACRES=0.70 ACRES = 1.2.4 CU.YDS.= 842 AREA TO BE VEGETATIVELY STABILIZED TOTAL CUT TOTAL FILL CU.YDS.= 842 OFFSITE WASTE/BORROW AREA LOCATION CU.YDS. = O

- 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY 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.

PERMANENT SEEDING NOTES

ALL DISTURBED AREA SHALL BE STABILIZED AS FOLLOWS:

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

SOIL AMENDMENTS: APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1,000 SQ.F.T.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1,000 SQ.F.T) BEFORE SEEDING HARROW OR DISC. INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING APPLY 400 LBS PER ACRE 38-0-0 UREAFORM FERTILIZER (9 LBS/1,000 SQ. F.T.) AND 500 LBS. PER ACRE (11.5 LBS/1,000 SQ.F.T.) OF 10-20-20 FERTILIZER.

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS PER ACRE (2.3 LBS/1,000 SQ.F.T.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS/ACRE (1.4 LBS./1,000 SQ.F.T.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1,000 SQ.F.T.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28. PROJECT SITE BY: OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING OPTION (2) - USE 500; OPTION (3) - SEED WITH 100 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE

APPLY 1 TO 2 TONS PER ACRE (10 TO 90 LBS./1,000 SQ.F.T.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL/1,000 SQ.F.T) OF EMULSIFIED ASPHALT ON FLAT ACRES ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (8 GAL./1,000 SQ. F.T.) FOR

INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS

AND RESEEDINGS.

*FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNVETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS/ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO

INSTALL EROSION AND SEDIMENT CONTROL STRUCTURES (EITHER TEMPORARY OR PERMANENT) SUCH AS

2. PERFORM ALL GRADING OPERATIONS AT RIGHT ANGLES TO THE SLOPE. FINAL GRADING AND SHAPING IS

SCHEDULE REQUIRED SOIL TESTS TO DETERMINE SOIL AMENDMENT COMPOSITION AND APPLICATION

1. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH

Samples taken for engineering purposes may also be used for chemical analyses.

3. LIME MATERIALS SHALL BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED)
WHICH CONTAINS AT LEAST 50% TOTAL OXIDES (CALCIUM OXIDE PLUS MAGNESIUM OXIDE). LIMESTONE

LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OVER 5 ACRES. SOIL ANALYSIS MAY BE PERFORMED BY THE UNIVERSITY OF MARYLAND OR A RECOGNIZED COMMERCIAL LABORATORY. SOIL

FERTILIZERS SHALL BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROVED EQUIPMENT. MANURE MAY BE SUBSTITUTED FOR FERTILIZER WITH PRIOR APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY. FERTILIZERS SHALL ALL BE DELIVERED TO THE SITE FULLY LABELED

ACCORDING TO THE APPLICABLE STATE FERTILIZER LAWS AND SHALL BEAR THE NAME, TRADE NAME OR

SHALL BE GROUND TO SUCH FINENESS THAT AT LEAST 50% WILL PASS THROUGH A \$100 MESH SIEVE

4. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 - 5" OF SOIL BE DISKING OR OTHER SUITABLE MEANS.

A. SEEDBED PREPARATION SHALL CONSIST OF LOOSENING SOIL TO A DEPTH OF 3" TO 5" BY MEANS

OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS DISC HARROWS OR CHISEL

PLOWS OR RIPPERS MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENED

T SHOULD NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROUGHENED CONDITION.

C. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 - 5" OF SOIL BY DISKING OR OTHER SUITABLE

SOLUBLE SALTS SHALL BE LESS THAN 500 PARTS PER MILLION (PPM).
THE SOIL SHALL CONTAIN LESS THAN 40% CLAY BUT ENOUGH FINE GRAINED MATERIAL

> 30% SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE AMOUNT

OF MOISTURE. AN EXCEPTION IS IF LOVEGRASS OR SERECIA LESPEDEXA IS TO BE PLANTED, THEN A SANDY SOIL (< 30% SILT PLUS CLAY) WOULD BE ACCEPTABLE.

EQUIRED IN ACCORDANCE WITH SECTION 21 STANDARD AND SPECIFICATION FOR

A TRUE AND EVEN GRADE, THEN SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3-5"

TO PERMIT BONDING OF THE TOPSOIL TO THE SURFACE AREA AND TO CREATE HORIZONTAL

MEANS. LAWN AREAS SHOULD BE RAKED TO SMOOTH THE SURFACE, REMOVE LARGE OBJECTS LIKE STONES AND BRANCHES, AND READY THE AREA FOR SEED APPLICATION. WHERE SITE

CONDITIONS WILL NOT PERMIT NORMAL SEEDBED PREPARATION, LOOSEN SURFACE SOIL BY

SLOPES (STEEPER THAN 3:1) SHOULD BE TRACKED BY A DOZER LEAVING THE SOIL IN AN

ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW. ALL SEED SHALL BE

NOTE: SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY TYPE AND RATE OF SEED USED.

2. INOCULANT - THE INOCULANT FOR TREATING LEGUME SEED IN THE SEED MIXTURES SHALL BE A PURE

SUBJECT TO RE-TESTING BY A RECOGNIZED SEED LABORATORY. ALL SEED USED SHALL HAVE BEEN TESTED WITHIN THE 6 MONTHS IMMEDIATELY PRECEDING THE DATE OF SOWING SUCH MATERIAL ON THIS

CULTURE OF NITROGEN-FIXING BACTERIA PREPARED SPECIFICALLY FOR THE SPECIES. INOCULANTS SHALL NOT

E USED LATER THAN THE DATE INDICATED ON THE CONTAINER. ADD FRESH INOCULANT AS DIRECTED ON PACKAGE. USE FOUR TIMES THE RECOMMENDED RATE WHEN HYDROSEEDING. NOTE: IT IS VERY IMPORTANT TO KEEP INOCULANT AS COOL AS POSSIBLE UNTIL USED. TEMPERATURES ABOVE 75-80?F. CAN WEAKEN BACTERIA AND MAKE THE INOCULANT LESS EFFECTIVE.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

DRAGGING WITH A HEAVY CHAIN OR OTHER EQUIPMENT TO ROUGHEN THE SURFACE. STEEP

IRREGULAR CONDITION WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. THE TOP $1-3^{\circ}$ OF SOIL SHOULD BE LOOSE AND FRIABLE. SEEDBED LOOSENING MAY NOT BE

MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT:

SOIL SHALL CONTAIN 1.5% MINIMUM ORGANIC MATTER BY WEIGHT.

5. SOIL MUST CONTAIN SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT

EROSION CHECK SLOTS TO PREVENT TOPSOIL FROM SLIDING DOWN A SLOPE.

C. APPLY SOIL AMENDMENTS AS PER SOIL TEST OR AS INCLUDED ON THE PLANS.

NECESSARY ON NEWLY DISTURBED AREAS.

6. IF THESE CONDITIONS CANNOT BE MET BY SOILS ON SITE, ADDING TOPSOIL IS

B. AREAS PREVIOUSLY GRADED IN CONFORMANCE WITH THE DRAWINGS SHALL BE MAINTAINED IN

D. MIX SOIL AMENDMENTS INTO THE TOP 3 - 5" OF TOPSOIL BY DISKING OR OTHER SUITABLE

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.

DIVERSIONS, GRADE STABILIZATION STRUCTURES, BERMS, WATERWAYS, OR SEDIMENT CONTROL BASINS.

VEGETATIVE STABILIZATION METHODS AND MATERIALS

USUALLY NECESSARY FOR TEMPORARY SEEDING.

RATES FOR SITES HAVING DISTURBED AREA OVER 5 ACRES.

AND 98 - 100% WILL PASS THROUGH A \$20 MESH SIEVE.

B. APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS.

SOIL PH SHALL BE BETWEEN 6.0 AND 7.0

B. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)

1. TEMPORARY SEEDING

2. PERMANENT SEEDING

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 LOOSENED.

APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS/1,000 SQ. F.T.)

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH

NOVEMBER 15, SEED WITH 17 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/ACRE OF WEEPING LOVEGRASS (.07 LBS./1,000 SQ.F.T. 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.

APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS/1,000 SQ.F.T.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GA. 1,000 SQ. F.T.) OF EMULSIFIED ASPHALT ON FLAT ACRE ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1,000 SQ.F.T.) FOR ANCHORING.

REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER), BROADCAST OR DROP SEEDER, OR A CULTIPACKER SEEDER.

IF FERTILIZER IS BEING APPLIED AT THE TIME OF SEEDING, THE APPLICATION RATES AMOUNTS WILL NOT EXCEED THE FOLLOWING: NITROGEN; MAXIMUM OF 100 LBS. PER ACRE TOTAL OF soluble nitrogen; p205 (Phosphorous); 200 lbs/ac; k20 (Potassium); 200 lbs/ac.

LIME — USE ONLY GROUND AGRICULTURAL LIMESTONE, (UP TO 3 TONS PER ACRE MAY BE APPLIED BY HYDROSEEDING). NORMALLY, NOT MORE THAN 2 TONS ARE APPLIED BY hydroseeding at any one time. Do not use burnt or hydrated lime when

SEED AND FERTILIZER SHALL BE MIXED ON SITE AND SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION

2. DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST SPREADERS.

SEED SPREAD DRY SHALL BE INCORPORATED INTO THE SUBSOIL AT THE RATES PRESCRIBED ON THE TEMPORARY OR PERMANENT SEEDING SUMMARIES OR TABLES 25 OR 26. THE SEEDED AREA SHALL THEN BE ROLLED WITH A WEIGHTED ROLLER TO PROVIDE GOOD SEED TO SOIL

WHERE PRACTICAL, SEED SHOULD BE APPLIED IN TWO DIRECTIONS PERPENDICULAR TO EACH other. Apply half the seeding rate in each direction.

3. DRILL OR CULTIPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL

CULTIPACKING SEEDERS ARE REQUIRED TO BURY TO SEED IN SUCH A FASHION AS TO PROVIDE AT LEAST 1/4 INCH OF SOIL COVERING. SEEDBED MUST BE FIRM AFTER PLANTING.

B. WHERE PRACTICAL, SEED SHOULD BE APPLIED IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION.

MULCH SPECIFICATIONS (IN ORDER OF PREFERENCE)

STRAW SHALL CONSIST OF THOROUGHLY THRESHED WHEAT, RYE OR OAT STRAW, REASONABLY BRIGHT IN

COLOR, AND SHALL NOT BE MUSTY, MOLDY, CAKED, DECAYED, OR EXCESSIVELY DUSTY AND SHALL BE FREE OF NOXIOUS WEED SEEDS AS SPECIFIED IN THE MARYLAND SEED LAW.

2. WOOD CELLULOSE FIBER MULCH (WCFM)

WCFM SHALL CONSIST OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A UNIFORM

WCFM SHALL BE DYED GREEN OR CONTAIN A GREEN DYE IN THE PACKAGE THAT WILL PROVIDE AN APPROPRIATE COLOR TO FACILITATE VISUAL INSPECTION OF THE UNIFORMLY SPREAD SLURRY.

C. WCFM, INCLUDING DYE, SHALL CONTAIN NO GERMINATION OR GROWTH INHIBITING FACTORS.

D. WCFM MATERIALS SHALL BE MANUFACTURED AND PROCESSED IN SUCH A MANNER THAT THE WOOD CELLULOSE FIBER MULCH WILL REMAIN IN UNIFORM SUSPENSION IN WATER UNDER AGITATION AND WILL BLEND WITH SEED, FERTILIZER AND OTHER ADDITIVES TO FORM A HOMOGENEOUS SLURRY. THE MULCH MATERIAL SHALL FORM A BLOTTER-LIKE GROUND COVER, ON APPLICATION, HAVING MOISTURE ABSORPTION AND PERCOLATION PROPERTIES AND SHALL OVER AND HOLD GRASS SEED IN CONTACT WITH THE SOIL WITHOUT INHIBITING THE GROWTH OF

WCFM MATERIAL SHALL CONTAIN NO ELEMENTS OR COMPOUNDS AT CONCENTRATION LEVELS THAT WILL BE PHYTO-TOXIC.

WCFM MUST CONFORM TO THE FOLLOWING PHYSICAL REQUIREMENTS: FIBER LENGTH TO APPROXIMATELY 10 MM., DIAMETER APPROXIMATELY 1 MM., PH RANGE OF 4.0 TO 8.5, ASH CONTENT OF 1.6% MAXIMUM AND WATER HOLDING CAPACITY OF 90% MINIMUM.

NOTE: ONLY STERILE STRAW MULCH SHALL BE USED IN AREAS WHERE ONE SPECIES OF GRASS IS DESIRED.

G. MULCHING SEEDED AREAS - MULCH SHALL BE APPLIED TO ALL SEED AREA IMMEDIATELY AFTER SEEDING.

1. IF GRADING IS COMPLETED OUTSIDE OF THE SEEDING SEASON, MULCH ALONE SHALL BE APPLIED AS PRESCRIBED IN THIS SECTION AND MAINTAINED UNTIL THE SEEDING SEASON RETURNS AND SEEDING CAN

PERFORMED IN ACCORDANCE WITH THESE SPECIFICATIONS

2. WHEN STRAW MULCH IS USED, IT SHALL BE SPREAD OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS/ACRE. MULCH SHALL BE APPLIED TO A UNIFORM LOOSE DEPTH OF BETWEEN 1" AND 2". MULCH APPLIED SHALL ACHIEVE A UNIFORM DISTRIBUTION AND DEPTH SO THAT THE SOIL SURFACE IS NOT

3. WOOD CELLULOSE FIBER USED AS A MULCH SHALL BE APPLIED AT A NET DRY WEIGHT OF 1,500 LBS. PER ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER, AND THE MIXTURE SHALL CONTAIN A

EXPOSED. IF A MULCH ANCHORING TOOL IS TO BE USED, THE RATE SHOULD BE INCREASED TO 2.5

MAXIMUM OF 50 LBS. OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.

SECURING STRAW MULCH (MULCH ANCHORING): MULCH ANCHORING SHALL BE PERFORMED IMMEDIATELY FOLLOWING MULCH APPLICATION TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE CONE BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON SIZE OF AREA AND EROSION HAZARD:

1. A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE A MINIMUM OF TWO (2) INCHES. THIS PRACTICE IS MOST EFFECTIVE ON LARGE AREAS, BUT IS LIMITED TO FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. IF USED ON SLOPING LAND, THIS PRACTICE SHOULD BE USED ON THE CONTOUR IF POSSIBLE.

2. WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS/ACRE. THE WOOD CELLULOSE FIBER S HALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER

3. APPLICATION OF LIQUID BINDERS SHOULD BE HEAVIER AT THE EDGES WHERE WIND CATCHES MULCH, SUCH AS IN VALLEYS AND ON CRESTS OF BANKS. THE REMAINDER OF AREA SHOULD BE APPEAR UNIFORM AFTER BINDER APPLICATION. SYNTHETIC BINDERS — SUCH AS ACRYLIC DLR (AGRO—TACK), DCA-70, PETROSET, TERRA TAX II, TERRA TACK AR OR OTHER APPROVED EQUAL MAY BE USED AT

RATES RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH. LIGHTWEIGHT PLASTIC NETTING MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S

RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4' TO 15' FEET WIDE AND 300 3,000



MORRIS & RITCHIE ASSOC., INC. ENGINEERS, PLANNERS, SURVEYORS
AND LANDSCAPE ARCHITECTS 139 N. Main Street, Suite 200 Bel Air, Maryland 21014 (410) 879–1690 – (410) 836–7560 Fax: (410) 879–1820



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) DEVELOPER'S CERTIFICATE

SIGNATURE OF DEVELOPER (PRINT NAME BELOW SIGNATURE)

WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, D 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

9-9-97

DATE

GALLERIA TOWERS
1447 YORK ROAD, SUITE 705

LUTHERVILLE, MARYLAND 21093

SION AND SEDIMENT CONTROL BY OWNER / DEVELOPER THE RYLAND GROUP, INC.

SUBDIVISION TERRA MARIA BLOCK NO. PLAT NO. 11995-12001 R-ED WATER CODE JOI, H07

12/9/97 CHIEF, DIVISION OF LAND DEVELOPMENT MUI FUMILIAN 12/10/97 DIRECTOR DATE SECTION / AREA LOT NO. 60-64 70 -77 CENSUS TR. ZONE TAX/ZONE ELEC. DIST.

SEWER CODE

2ND

5992000

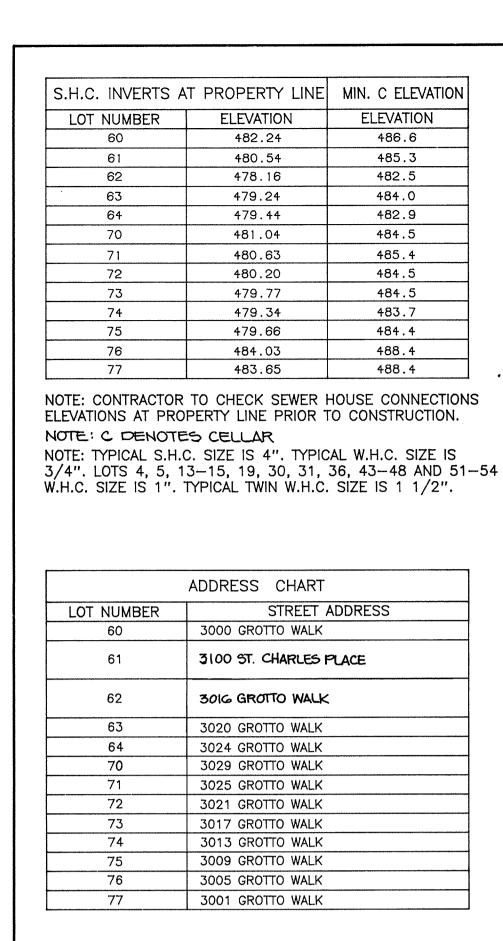
6023.01

SITE DEVELOPMENT PLAN

TERRA MARIA

LOTS: 60-64 & 70-77 PLAT # 11996

TAX MAP NO: 16 PART OF PARCEL 114 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND SCALE: 1"=30' DATE: 8/25/97 SHEET 2 OF 2



LEGEND LAND OF POE 30B9-63 SYMBOL DESCRIPTION FINISHED FLOOR ELEVATION FINISHED BASEMENT ELEVATION PROPOSED GROUND ELEVATION AT WALKOUT CONDITION GROUND SPOT ELEVATION UNIT DESIGNATION FROM ARCHITECTURAL PLAN NUMBER OF RISERS - 7 1/2" EACH (INCLUDING 2 RISERS INTO HOUSE) LIMIT OF DISTURBANCE PROPOSED CONTOUR EXISTING GROUND CONTOUR DRAINAGE FLOW ARROW ____ RIGHT-OF-WAY EXISTING CURB & GUTTER EXISTING WATER MAINS PLANT TYPE LIST: Q = QUERCUS AUBAUA - RED OAK EXISTING STORM DRAINS EXISTING SEWER LINES A = ACER SACCHARUM - GREEN MOUNTAIN SUGAR MAPLE STOP SIGN F = FRAXINUS AMERICANA - AUTUMN PURPLE ASH STREET TREES 5 - PINUS STROBUS - WHITE PINE STREET LIGHT

APPROVED PLANNING BOARD OF HOWARD COUNTY

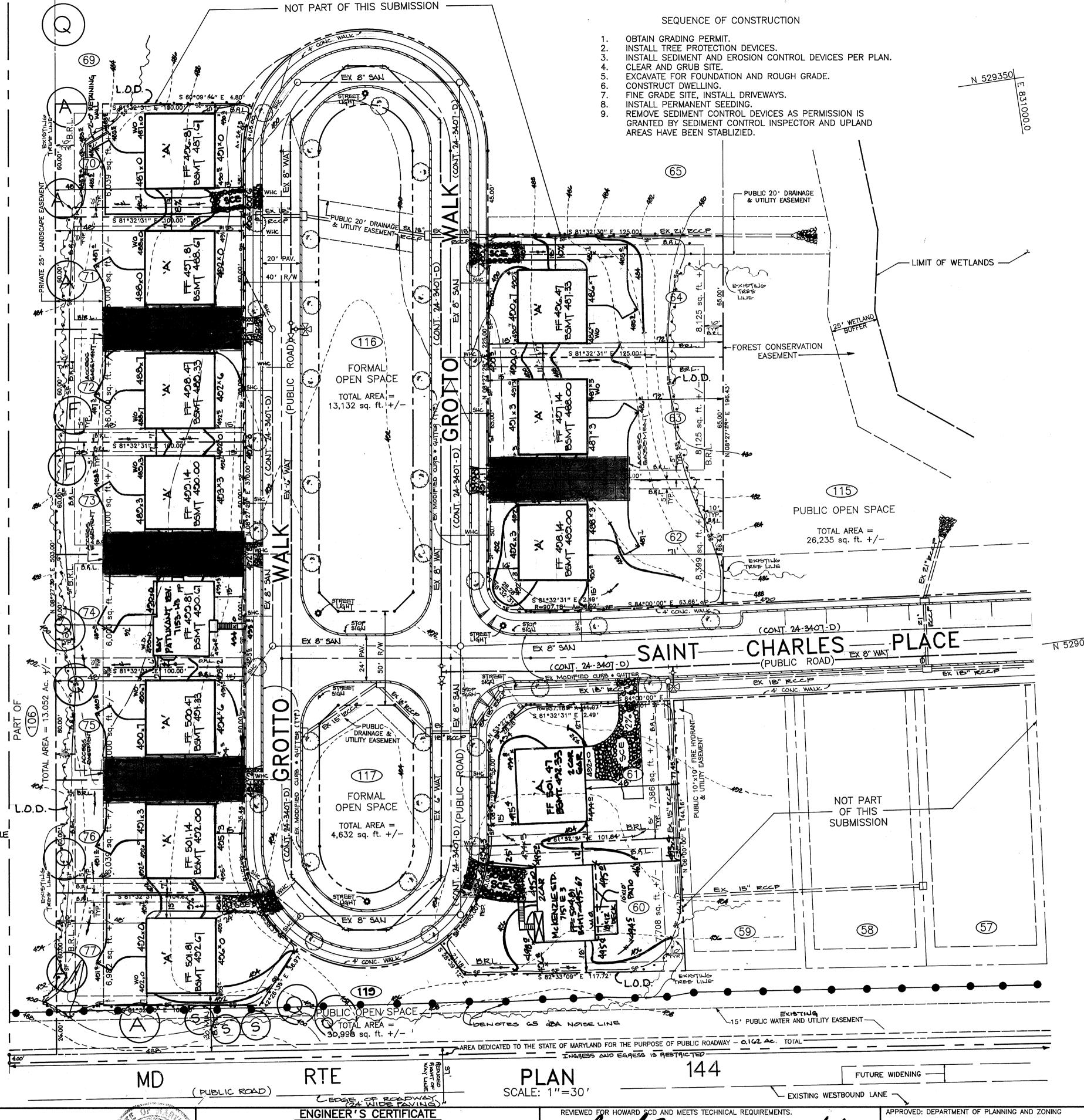
OWNER / DEVELOPER

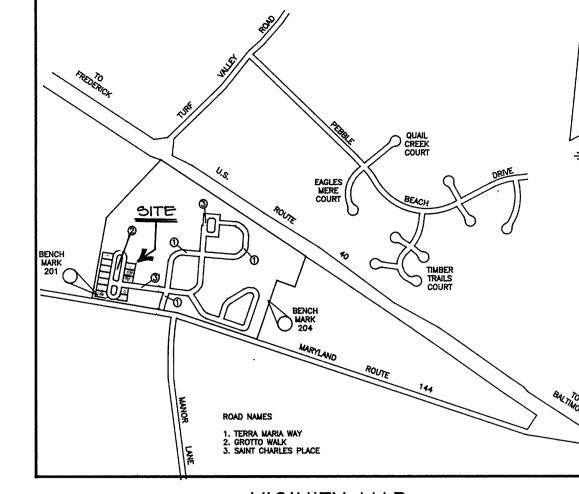
SEE PLAN NO. F-95-99 FOR LANDSCAPING

REQUIREMENTS SHEET 28 OF 30

TERRA MARIA L.L.C. BY DAVID DEMANSO, PRESIDENT SYNERGY DEVELOPMENT VENTURE II, INC. IT'S MANAGING MEMBER 231 EAST BALTIMORE STREET 10 TH FLOOR BALTIMORE, MARYLAND 21202-3415

N 529350





VICINITY MAP SCALE: 1"=1000'

NOTE: THIS PROJECT IS SUBJECT TO ZONING CASE NO ZB 925M AND PLANNING BOARD CASE NO. 201.

NOTE: USE IN COMMON ACCESS EASEMENTS ARE RECORDED IN THE HOWARD CO. LAND RECORDS LIBER 411

	SHEET INDEX	
SHEET No.	DESCRIPTION	
1	SITE DEVELOPMENT PLAN	
2	DETAIL SHEET	

GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 313-1870 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. 3. THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: TERRA MARIA 594-02, P 94-24, AND F 95-99.

4. BOUNDARY AND TOPOGRAPHIC SURVEY WAS PREPARED BY FISHER, COLLINS & CARTER, INC. ON OR ABOUT JANUARY 1992.

5. HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS 33438001 AND 339003. 6. ANY DAMAGE TO THE COUNTY'S RIGHT OF WAY SHALL BE CORRECTED AT THE

DEVELOPER'S EXPENSE. 7. EXISTING UTILITIES WERE LOCATED FROM EXISTING ROAD CONSTRUCTION DRAWINGS AND EXISTING WATER AND SEWER CONTRACT No. 24-3407-D

A. THIS PROJECT IS ZONED R-ED (TILD DESIGN, ZONING SECTION 128.6)
B. TOTAL AREA OF BUILDABLE LOTS: 2.04 Ac. +/-

C. LIMIT OF SUBMISSION AREA: 2.04 Ac. +/D. TOTAL NUMBER BUILDABLE LOTS: 13 9. THE MAXIMUM ALLOWABLE COVERAGE BY A STRUCTURE ON ANY LOT IS 60%

10. ALL FIREPLACE CHIMNEYS AND BAY WINDOWS NOT MORE THAN 10 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY REQUIRED YARD IN ACCORDANCE WITH SECTION 128 OF THE ZONING REGULATIONS. 11. PROJECT BACKROUND:

LOCATION: TAX MAP 16, PARCEL 114 ZONED: R-ED ELECTION DISTRICT: SECOND TOTAL TRACT AREA: 55.107 AC. +/-

12. STORMWATER MANAGEMENT PROVIDED BY FACILITY ON SITE. (TERRA MARIA F 95-99)

13. THIS PLAN IS FOR HOUSE SITTING AND LOT GRADING ONLY. IMPROVEMENTS SHOWN WITHIN THE RIGHT-OF-WAYS ON THIS S.D.P. ARE NOT USED FOR CONSTRUCTION. SEE APPROVED ROAD CONSTRUCTION PLANS F 95-99 AND/OR APPROVED WATER AND SEWER PLANS CONTRACT No. 24-3407-D.

14. CONTRACTOR TO CONSTRUCT RESIDENTIAL DRIVEWAY ENTRANCES PER HOWARD COUNTY STANDARD DETAILS R6.05, R6.01 AND R6.02.

15. CONTRACTORS ARE TO CONSTRUCT DOWN SPOUTS SO THAT THERE IS NO

CONCENTRATION OF DISCHARGE BETWEEN HOUSES.

16. PROPOSED USE OF PROPERTY IS SINGLE FAMILY DETACHED HOUSING. BENCH MARKS

REBAR AND CAP SET FLUSH WITH GROUND CENTERLINE STATION 0+64 MD. ROUTE 144

75' LEFT OF CENTERLINE. ELEV. =

REBAR AND CAP SET FLUSH WITH GROUND CENTERLINE STATION 17+67 MD. ROUTE 144 422' LEFT OF CENTERLINE. ELEV. =

> (GENERIC) SITE DEVELOPMENT PLAN

LOTS: 60-64 & 70-77

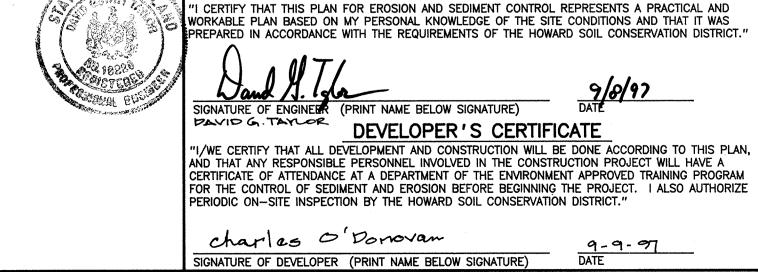
PLAT #11996 TAX MAP NO: 16 PART OF PARCEL 114 AND 547 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND SCALE: 1"=30' DATE: 8/25/97 SHEET 1 OF 2

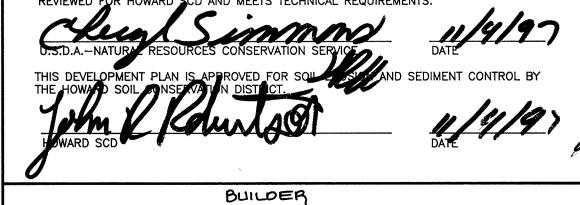
MORRIS & RITCHIE ASSOC., INC.

ENGINEERS. PLANNERS. SURVEYORS. AND LANDSCAPE ARCHITECTS 139 N. Main Street, Suite 200

Bel Air, Maryland 21014 (410) 879–1690 – (410) 836–7560

7-16-99 REV. LOT 60 ADD MCKENZIE 7-10-98 REV. MODEL AND GRADING LOT 74/ DESCRIPTION Fax: (410) 879-1820 REVISIONS





THE RYLAND GROUP, INC.

GALLERIA TOWERS

1447 YORK ROAD, SUITE 705

LUTHERVILLE, MARYLAND 21093

/2/10/97 DATE SECTION / AREA LOT NO. SUBDIVISION TERRA MARIA 60-64, 70-77 BLOCK NO. ZONE TAX/ZONE ELEC. DIST. PLAT NO. CENSUS TR. R-ED 23 11995-12001 16 2ND 6023.01 WATER CODE SEWER CODE JOI, H07 5992000

2/9/97 DATE/