

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
1	9521 Michaels Way
2	9525 Michaels Way
3	9580 Joey Drive
4	9576 Joey Drive
5	9572 Joey Drive
6	9577 Joey Drive
8	9581 Joey Drive
9	9585 Joey Drive
10	9589 Joey Drive
11	9539 Michaels Way
12	9501 Valley Mede Court
12	9505 Valley Mede Court
14	9509 Valley Mede Court
15	9513 Valley Mede Court
16	9517 Valley Mede Court
18	9523 Valley Mede Court
19	9527 Valley Mede Court
20	9531 Valley Mede Court
21	9534 Valley Mede Court
22	9530 Valley Mede Court
23	9526 Valley Mede Court
24	9522 Valley Mede Court
25	9518 Valley Mede Court
26	9514 Valley Mede Court
27	9510 Valley Mede Court
28	9506 Valley Mede Court

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY MARYLAND
 DATE 5-13-86
 [Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 6-5-86
 COUNTY HEALTH OFFICER
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] 6-6-86
 PLANNING DIRECTOR
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 4-2-86
 DIRECTOR
 [Signature] 5-22-86
 CHIEF BUREAU OF ENGINEERING

THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT CONTROL
 BY THE HOWARD SOIL CONSERVATION DISTRICT
 [Signature] 5/22/86
 APPROVED

REVIEWED FOR HOWARD S.C.D. AND
 MEETING TECHNICAL REQUIREMENTS
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 U.S. SOIL CONSERVATION SERVICE

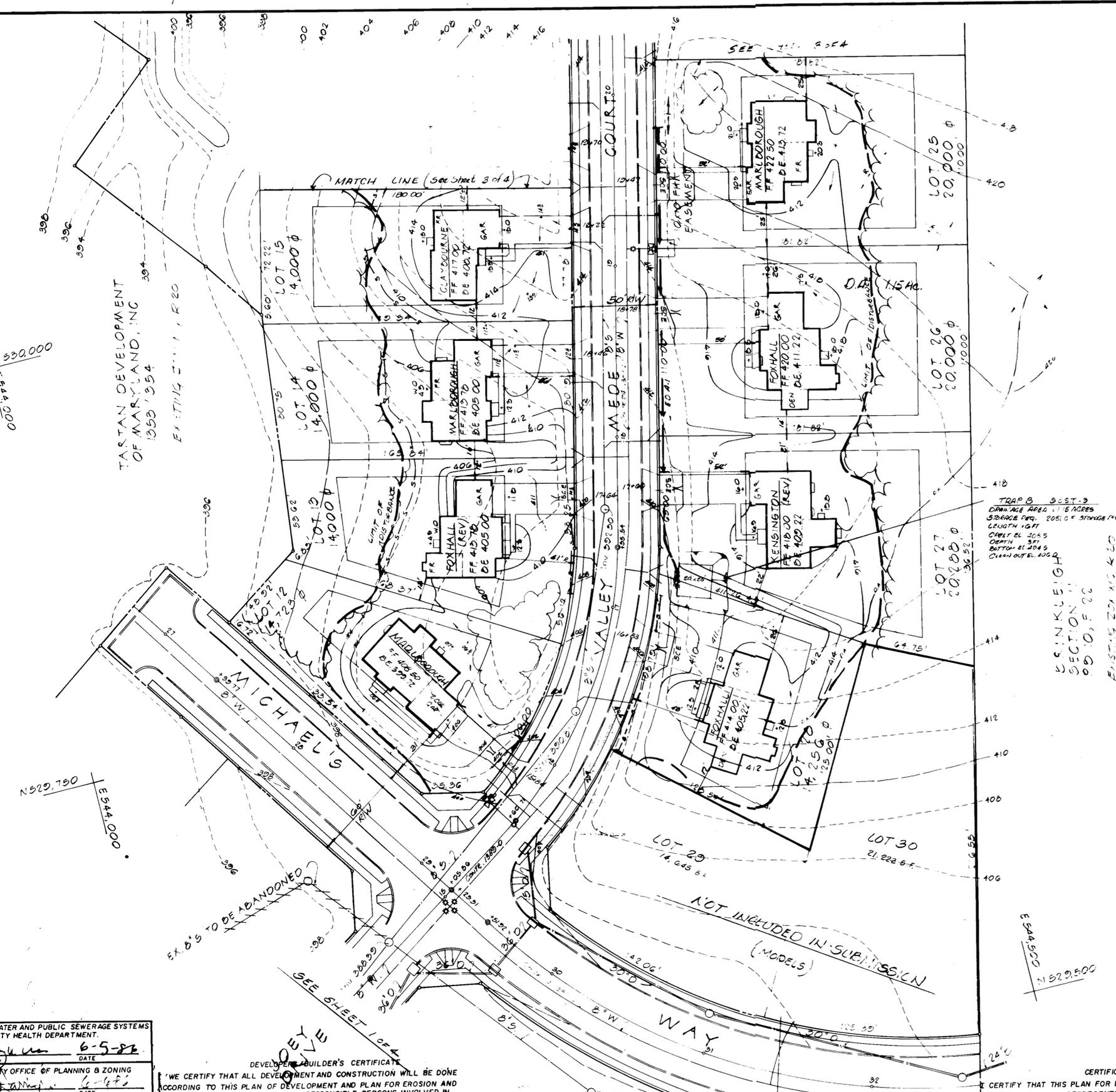
DEVELOPERS/BUILDER'S CERTIFICATE
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 [Signature] 5/26/86
 SURVEYOR DATE



SUBDIVISION NAME Valley Mede		SECT./AREA 13/1	LOT/PARCEL # 201476
PLAT # OR L/P 6644	BLOCK # 21	ZONE R-20	TAX/ZONE INVT 17
ELEC. DIST. 2		CENSUS TR. 6022	
WATER CODE H 04		SEWER CODE 5756900	

LANDSCAPE DESIGN CONSTRUCTION CONTRACTING DEVELOPMENT COST PROPERTY DEVELOPMENT		LAND DESIGN ASSOCIATES 710 HIGHWOOD DRIVE BALTIMORE, MD. 21212	
DESIGNED R.L.W.	SITE DEVELOPMENT & SEDIMENT CONTROL PLAN		SCALE 1" = 30'
DRAWN R.L.W.	VALLEY MEDE		DRAWING 10F4
CHECKED R.L.W.	LOTS 1 THRU 6, 8 THRU 10 AND 18 THRU 28 SECTION 13 AREA 1		JOB NO.
DATE 5-23-86	FOR: GRAYSON HOMES, INC. 9025 CHEVERLY DRIVE ELIJAH CITY, MD. 21043	FILE NO.	



TASTAN DEVELOPMENT OF MARYLAND, INC. 1958 1954 EX: 114 2-11, R20

TRAP B 905T-3
DRAINAGE AREA 115 ACRES
STORAGE CAP. 2051.05 STORAGE PROVIDED 1492.1
LENGTH 10 FT
CREST EL. 304.5
DEPTH 3 FT
BOTTOM EL. 301.5
CLEAR OUT EL. 300

SINKHOLE NEIGH SECTION 11 00 10, F 20 EASTING 204 NS K 10

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-13-86

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-5-86
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR: *[Signature]* DATE: 6-4-86
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *[Signature]* DATE: 6-3-86
CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 6-3-86

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SIGNATURE OF DEVELOPER/BUILDER: *[Signature]* DATE: 5/23/86

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APPROVED: *[Signature]* DATE: 5/23/86

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE: *[Signature]* DATE: 5-28-86
U.S. SOIL CONSERVATION SERVICE

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SURVEYOR: *[Signature]* DATE: 5/26/86



LANDSCAPE DESIGN CONSTRUCTION CONTRACTING DEVELOPMENT COST PROPERTY DEVELOPMENT		LAND DESIGN ASSOCIATES 718 HIGHWOOD DRIVE BALTIMORE, MD. 21212 383-0805		SCALE 1" = 30'
DESIGNED R.L.W.	SITE DEVELOPMENT & SEDIMENT CONTROL PLAN VALLEY MEDE LOTS 1 THRU 6, 8 THRU 16 AND 18 THRU 28 SECTION 13 AREA 1			DRAWING 2 OF 4
DRAWN R.L.W.				JOB NO.
CHECKED R.L.W.				FILE NO.
DATE 5-23-86	FOR:	GRAYSON HOMES, INC. 2025 CHEVRELET DRIVE ELLIOTT CITY, MD. 21113		

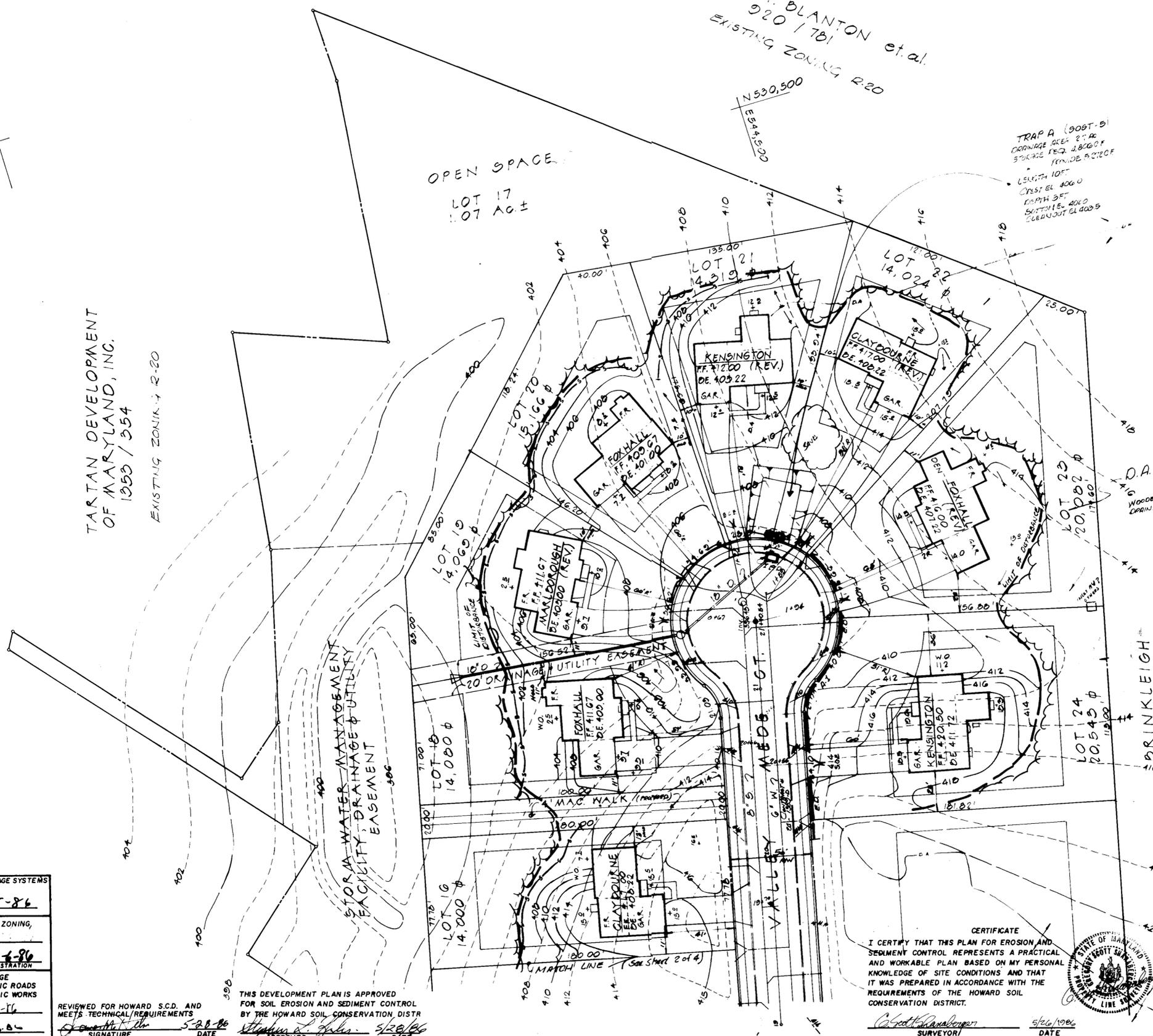
MARY F. BLANTON et al.
920 / 781
EXISTING ZONING R-20

TARTAN DEVELOPMENT
OF MARYLAND, INC.
1355 / 354
EXISTING ZONING R-20



N 530,500
E 544,500

OPEN SPACE
LOT 17
107 AC ±



TRAP A (900T-5)
DRAINAGE AREA 2.7 AC
STORAGE REQ. 4,800 G.P.
PROVIDE 5' CREST
LENGTH 10 FT
CREST EL. 406.0
DEPTH 5 FT
BOTTOM EL. 401.0
CLEANOUT EL. 400.5

D.A. 2.7 AC ±
WOODED OFF-SITE
DRAINAGE AREA 1.5 AC

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M. J. M.

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COUNTY HEALTH OFFICER
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PLANNING DIRECTOR
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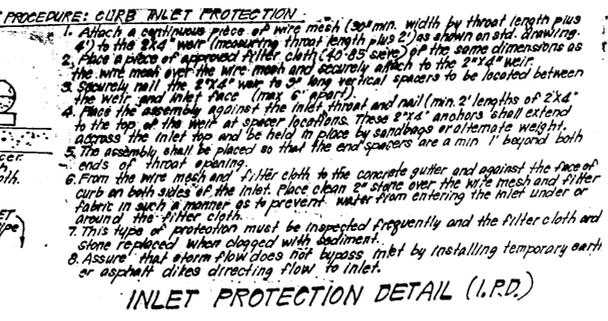
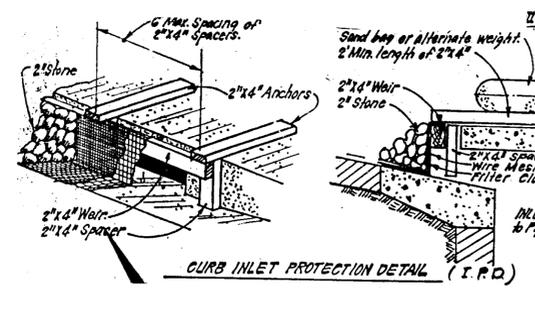
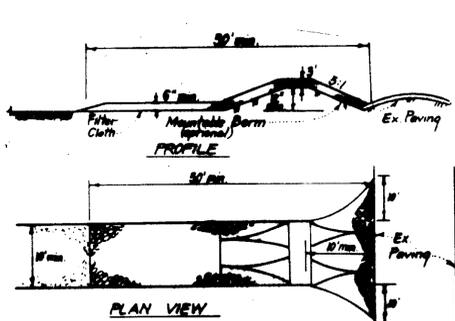
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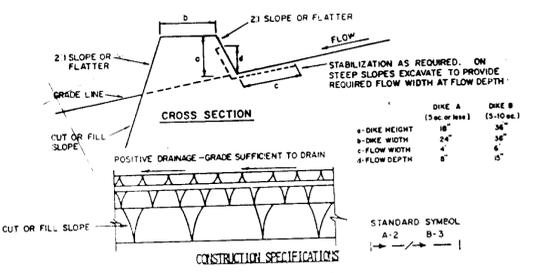


LANDSCAPE DESIGN CONSTRUCTION CONTRACTING DEVELOPMENT COST PROPERTY DEVELOPMENT		LAND DESIGN ASSOCIATES 718 HIGHWOOD DRIVE BALTIMORE, MD. 21212	
DESIGNED RLW	SITE DEVELOPMENT & SEDIMENT CONTROL PLAN VALLEY MEDE LOTS 1 THRU 6, 8 THRU 10, AND 18 THRU 20 SECTION 13 AREA 1	SCALE 1" = 30'	FILE NO.
DRAWN RLW		DRAWING 3 OF 4	
CHECKED RLW		JOB NO.	
DATE 5-23-86		FOR: GRAYSON HOMES, INC. 2025 CHEVROLET DRIVE ELLIOTT CITY, MD. 21720	



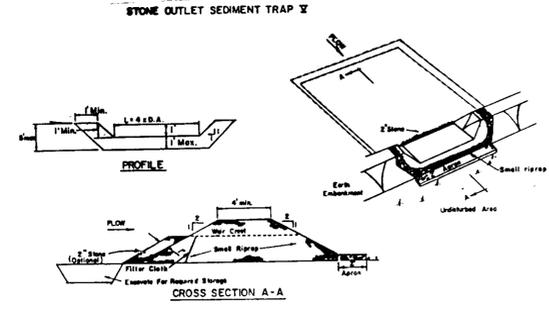
- CONSTRUCTION SPECIFICATIONS:**
1. Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 2. Length - As required, but not less than 30 feet (except on a simple residence lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) feet minimum, but not less than the full width of points where ingress or egress occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a simple family residence lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrance shall be piped across the entrance. If piping is impractical, a manhole with 3:1 slopes will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment applied, trapped, washed or tracked onto public rights-of-way must be removed immediately.
 8. Weeding - Weeds shall be cleaned to remove sediment prior to entrance into public rights-of-way. When weeding is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE

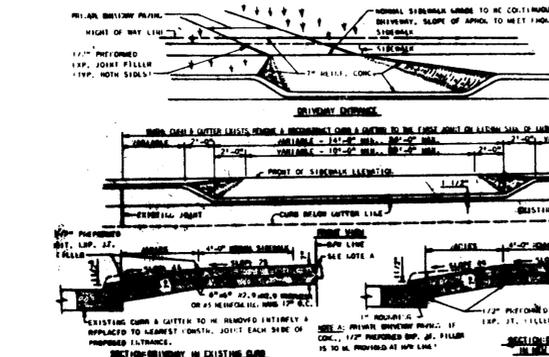


- CONSTRUCTION SPECIFICATIONS**
1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
 2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
 3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
 4. FIELD LOCATIONS SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
 5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RAINFALL SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
 6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.
- | TYPE OF FILL | SEEDING RATE | DIKE A | DIKE B |
|--------------|--------------|-------------------------|---|
| 1 | 5-3.0% | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 2 | 3.1-5.0% | SEED AND STRAW MULCH | SEED USING JUTE, OR EXCELSTON; SOIL, 2" STONE |
| 3 | 5.1-8.0% | SEED WITH JUTE, OR SOIL | LINED RIP-RAP 4-8" |
| 4 | 8.1-20% | LINED RIP-RAP 4-8" | ENGINEERING DESIGN |
- A. Stone to be 2 inch stone, or recycled concrete equivalent, in a layer at least 3 inches in thickness and be pressed into the soil with construction equipment.
B. RIP-RAP to be 4-8 inches in a layer at least 3 inches thickness and pressed into the soil.
C. Approved equivalents can be substituted for any of the above materials.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

EARTH DIKE (E.D.)



- CONSTRUCTION SPECIFICATIONS FOR ST-V**
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 3. All cut and fill slopes shall be 2:1 or flatter.
 4. The stone used in the outlet shall be small riprap 2"-8" along with a 1" thickness of 2" aggregate placed on the upgrade side on the small riprap and embedded filter cloth to the dike top.
 5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
 6. The structure shall be inspected after each rain and repairs made as needed.
 7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.



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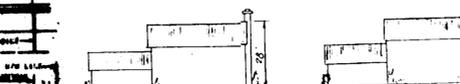
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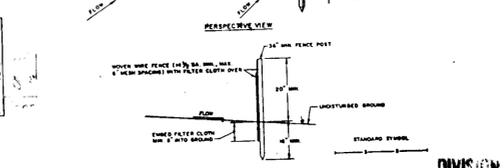
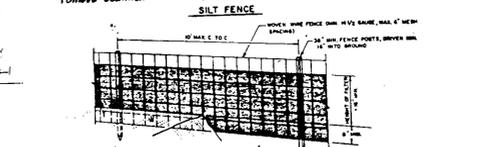
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SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
7. Site Analysis:
Total Area of Site 5.00 Acres
Area Disturbed 2.01 Acres
Area to be roofed or paved 1.40 Acres
Area to be vegetatively stabilized 2.29 Acres
Total Cut 10,400 Cu. yds
Total Fill 12,100 Cu. yds
Offsite waste/borrow area location N/A
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 DPW 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. If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented N/A
12. All pipes to be blocked at the end of each day (see detail below).
13. The total amount of stone-bags/dikes/silt fence equals L.F.

CONSTRUCTION SEQUENCE:

- A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.
- B. Excavate for Foundations and Rough Grade or Temporarily Stabilize.
- C. Construct Structures, Sidewalks and Driveways.
- D. Final Grade and Stabilize in accordance with Stds. & Specs.
- E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.



- CONSTRUCTION NOTES FOR FURNISHED SILT FENCE**
1. HANG SILT FENCE TO BE FASTENED REGULARLY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED REGULARLY TO HANGING FORCE WITH WIRE TIES OR STAPLES EVERY 24" AT TOP AND MID SECTION.
 3. MAKE THE SECTIONS OF FILTER CLOTH ALIGNED SO THAT THEY SHALL BE COVERED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BAGS" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER I OR U TYPE OR 2" WOODCO
FENCE: 2" WIRE, 1/2" GAL. 12' TALL, 10' SPACING
FILTER CLOTH: 60 LBS. 12' TALL, 10' SPACING
PREPARED UNIT: GEOTEK, UNIDRIP, OR APPROVED EQUIV.

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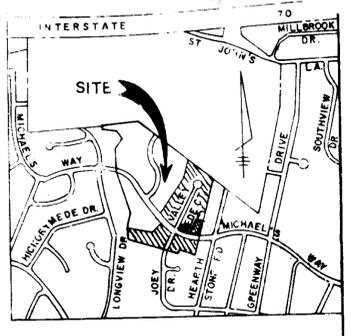
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SIGNATURE OF DEVELOPER / BUILDER DATE

CERTIFICATE

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

[Signature] 5/23/86
SURVEYOR DATE



VICINITY MAP
SCALE 1" = 1200'

GENERAL NOTES

- 1) STORM WATER MANAGEMENT SYSTEM SHALL BE AS SHOWN.
- 2) THE LAND INCLUDED IS ZONED R-20.
- 3) COORDINATES SHOWN ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE COORDINATE SYSTEM. BEARINGS REFER TO THE TRUE NORTH AND ARE BASED ON HOWARD COUNTY GEODETIC SURVEY POINT NO. AND NO.
- 4) THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON TAX MAP 17.
- 5) THE TOTAL AREA ON THIS PLAN IS 221,250 SQ. FT. 5.00 AC.
- 6) ALL ROADS ARE PUBLIC AND EXISTING.
- 7) ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- 8) TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE 26.
- 9) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER.

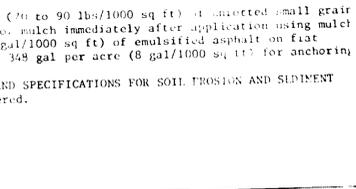
PERMANENT SEEDING NOTES

- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Seeded Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.
- Soil Amendments:** In lieu of soil test recommendations, use one of the following schedule:
- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
 - 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

- Seeding -** For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use 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 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.
- Maintenance -** Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

- Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.
- Seeded Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.
- Soil Amendments:** Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)
- Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 24 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
- Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.
- Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



LAND DESIGN ASSOCIATES' P.C.
710 HIGHWOOD DRIVE
BALTIMORE, MD 21212

DESIGNED	RLW	SITE DEVELOPMENT & SEDIMENT CONTROL PLAN VALLEY MED. LOTS 1 THRU 2, 8 THRU 10, AND 18 THRU 28 SECTION 13 AREA 1	SCALE	1" = 30'
DRAWN	RLW		DRAWING	4 OF 4
CHECKED	RLW		JOB NO.	
DATE	5-23-86		FOR	GRAYSON HOMES INC 5000 CHERRYWOOD DRIVE ELLSWORTH, CITY, MD 21038
			FILE NO.	

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

[Signature] 6-5-86
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR *[Signature]* DATE 6-4-86
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR *[Signature]* DATE 6-3-86
CHIEF BUREAU OF ENGINEERING *[Signature]* DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

[Signature] DATE 5-23-86
U.S. SOIL CONSERVATION SERVICE

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

[Signature] DATE 5/23/86
APPROVED