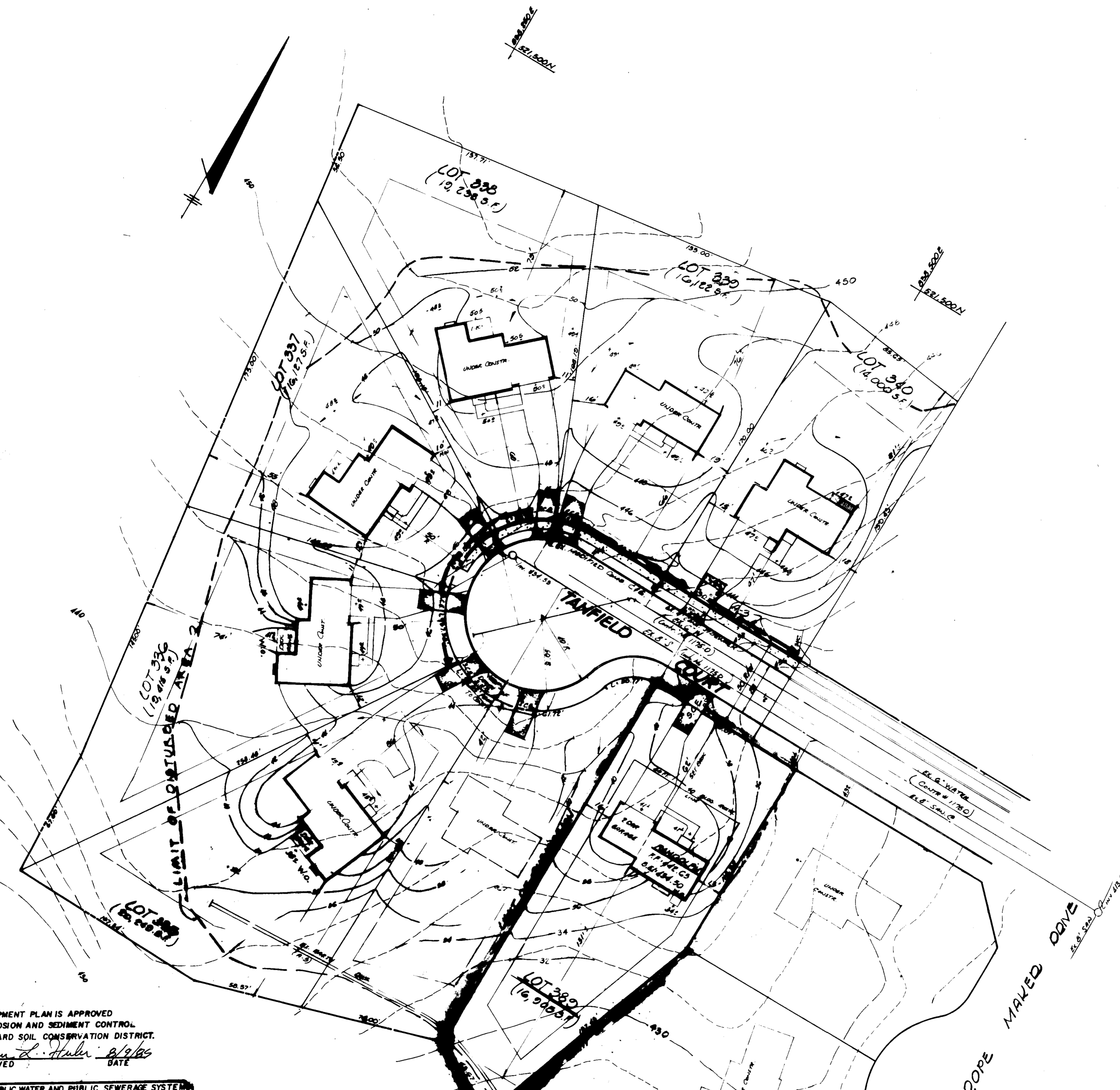


VICINITY MAP
SCALE: 1" = 200'

- GENERAL NOTES
- 1) THE LAND INCLUDED IS ZONED R-20
 - 2) 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. 2843001 AND NO. 2843002
 - 3) THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON TAX MAP 24 PARCEL
 - 4) THE TOTAL AREA ON THIS PLAN IS 16,025.00 SQ. FT.
 - 5) ALL ROADS ARE PUBLIC AND EXISTING
 - 6) ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPERS EXPENSE.
 - 7) TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE (4)
 - 8) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER



THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *Stephen L. Huber* 8/9/85
 DATE

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 7-11-85
[Signature]

LOT NO.	ADDRESS	CURT
340	110145 TANFIELD COURT	
SUBDIVISION NAME: BURLEIGH MANOR		
BLK 13	24	24
WATER CODE: JOI		

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT.
 APPROVED: *[Signature]* 8-16-85
 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: *[Signature]* 8-19-85
 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* 8-14-85
 DATE

ENGINEER: *[Signature]* 8-14-85
 DATE

PREVIOUSLY APPROVED
 TRAP
 STV - NO. 2 SOST
 TO TL. DRAIN 1.30C
 STORAGE PIG 1.30C + 1800CF = 2340CF
 STORAGE PROVIDED 840CF
 BOTTOM ELEV. 412.5
 CRUST ELEV. 414.5
 CURBOUT ELEV. 418.0
 DEPTH .3
 BOTTOM DIMENSIONS = 20' X 25'
 4.8

REVIEWED FOR HOWARD S.C.D. AND
 MEETS TECHNICAL REQUIREMENTS
 DATE 8-9-85
 SIGNATURE: *[Signature]*
 U.S. SOIL CONSERVATION SERVICE

DEVELOPERS/BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.
 SIGNATURE OF DEVELOPER/BUILDER: *[Signature]*
 DATE: 8/9/85

ENGINEERS 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.
 LAND SURVEYOR: *[Signature]*
 DATE: 8/6/85



ENGINEERING LANDSCAPE DESIGN
 CONSTRUCTION CONTRACTING
 DEVELOPMENT COST
 PROPERTY DEVELOPMENT

LAND DESIGN ASSOCIATES
 415 EAST JOPPA ROAD
 TOWSON, MARYLAND 21284
 (301) 321-0112
 AMENDED (S.D.P. 85-60)

SITE DEVELOPMENT &
 SEDIMENT CONTROL PLAN
 LOT 339 ONLY
 BURLEIGH MANOR
 SECTION 4, AREA 5
 2ND ELECTION DISTRICT HOWARD CO.
 MARYLAND

DESIGNED: R.L.W.
 DRAWN: R.L.W.
 CHECKED: R.L.W.
 DATE: 8/2/85

SCALE: 1" = 30'
 DRAWING: 1 of 2
 JOB NO.:
 FILE NO.:

FOR: GRAYSON HOMES INC.
 905 CHERRYBET DRIVE
 ELICOTT CITY, MD. 21038

GENERAL NOTES

PERMANENT SEEDING NOTES

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

Seeding 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 schedules:
 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 100 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 per 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 gallons 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.

Seeding Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

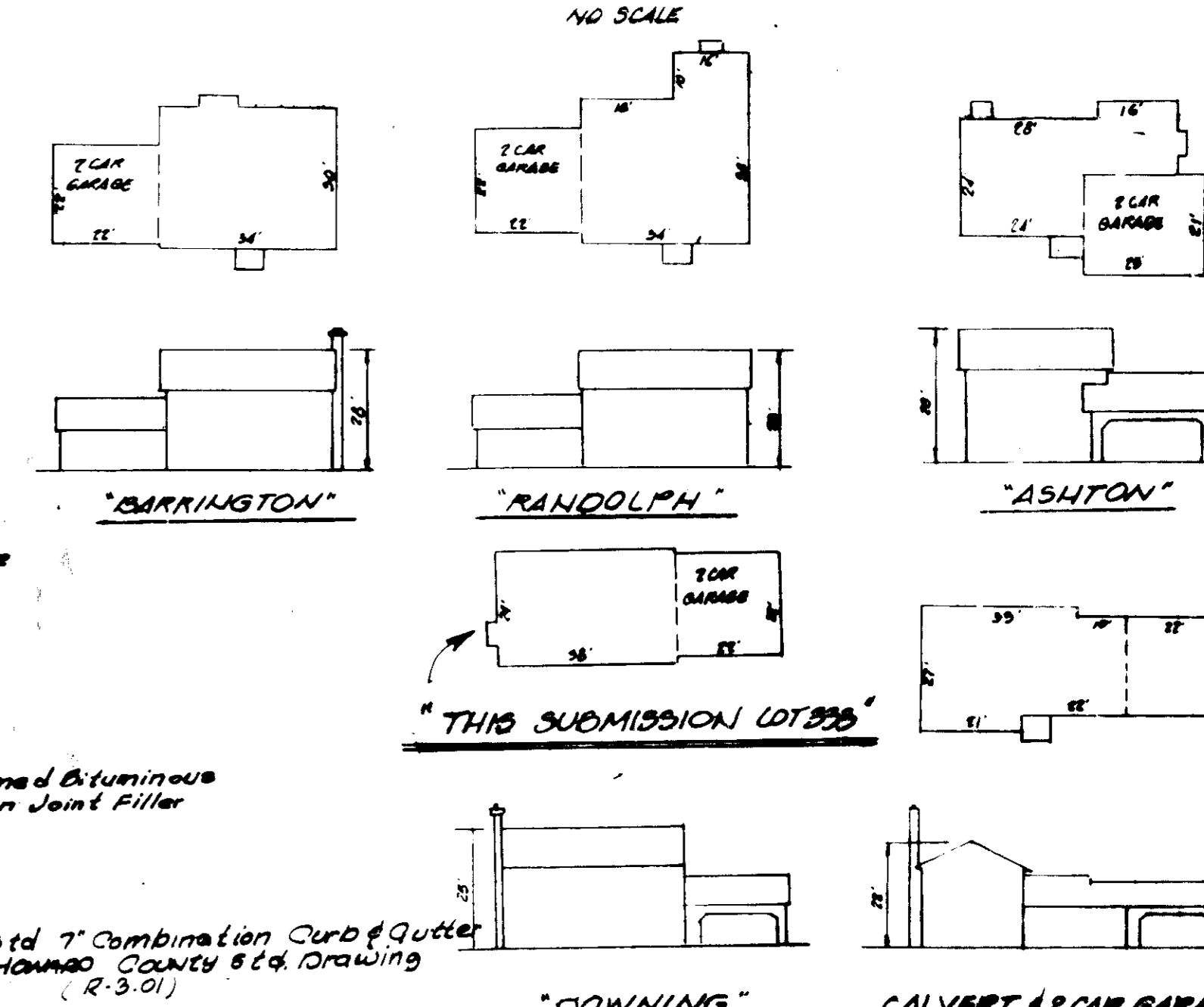
Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

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.

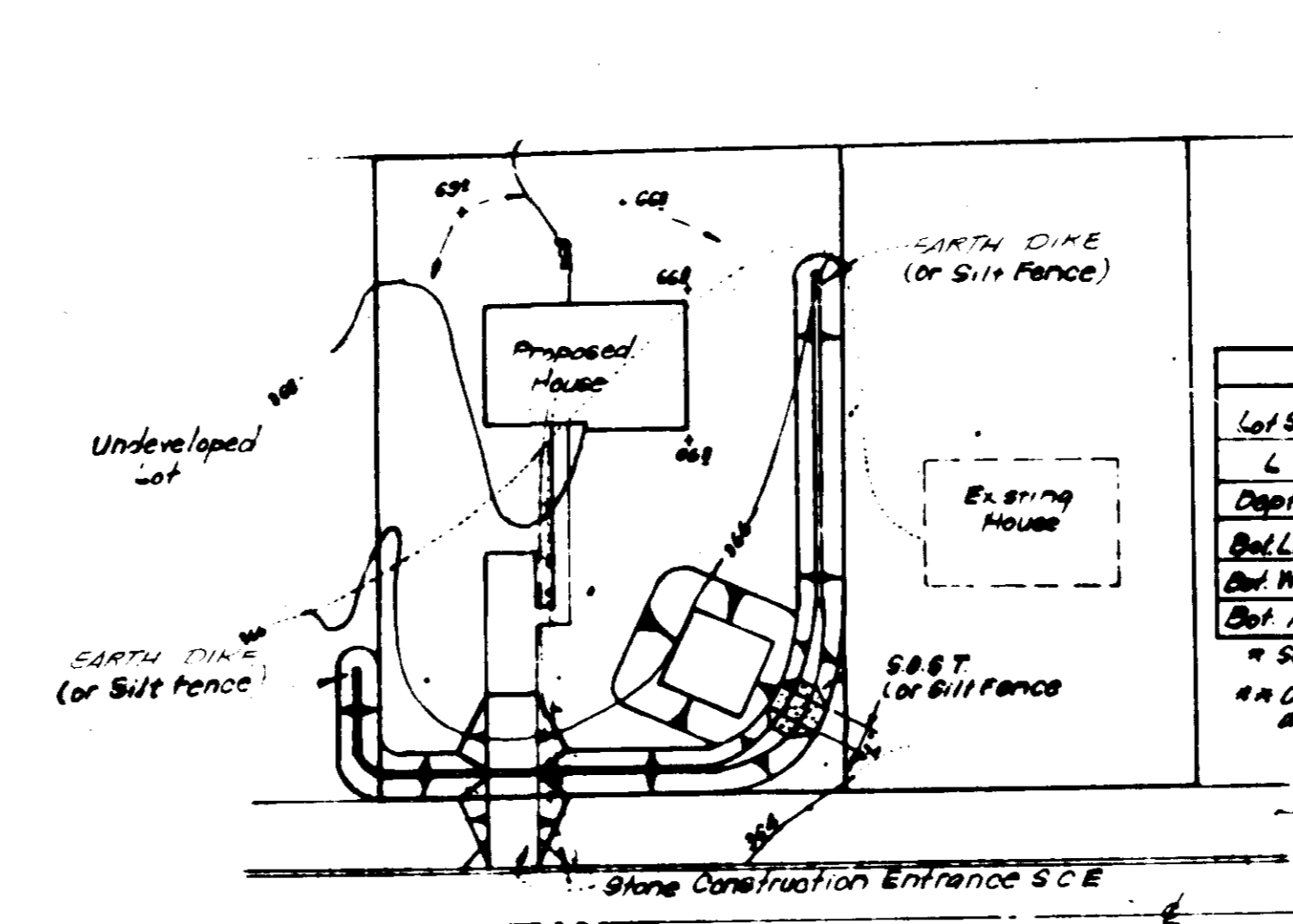
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Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

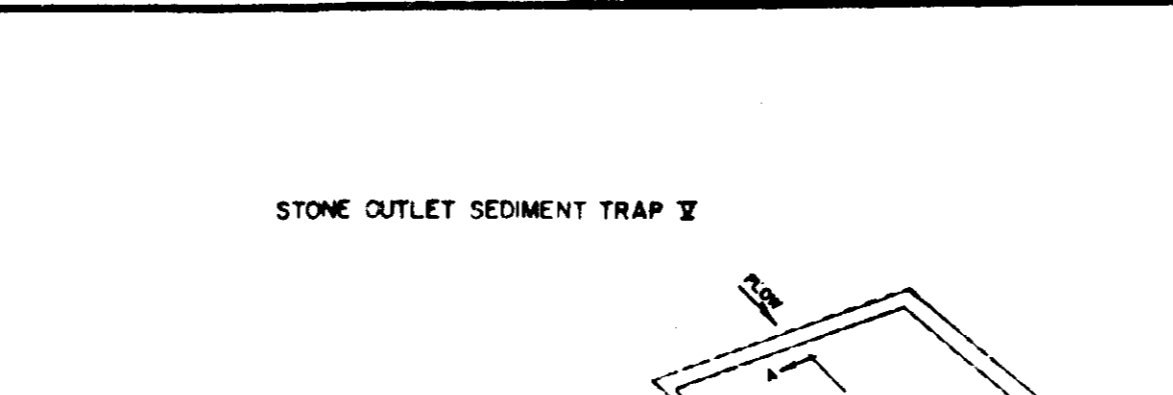
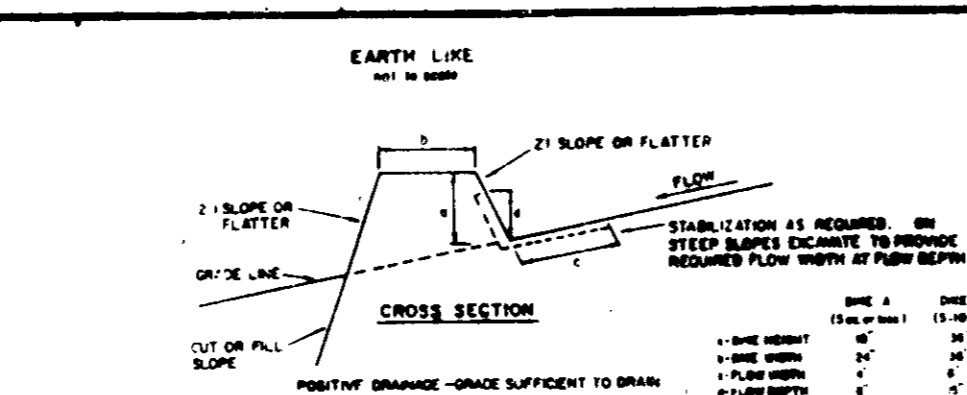
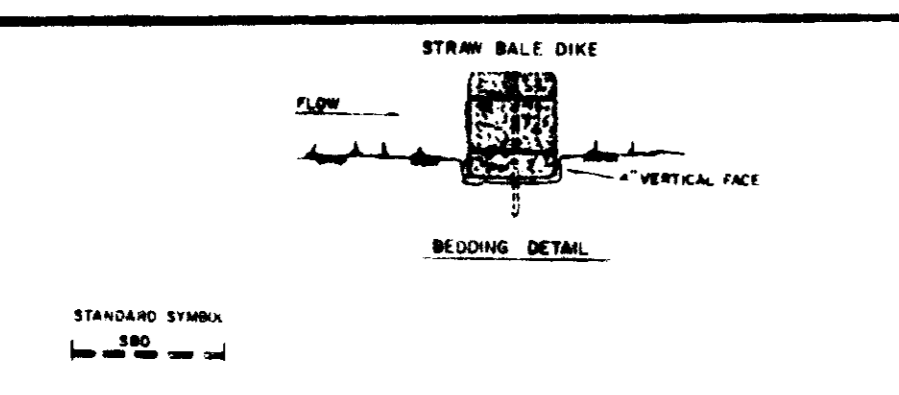
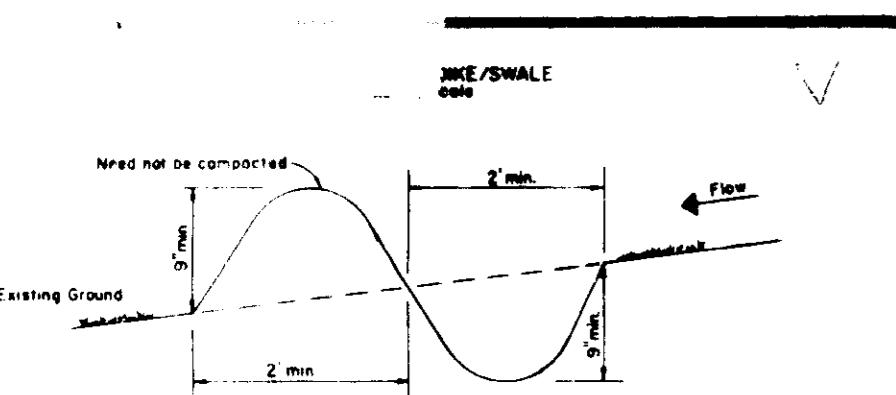
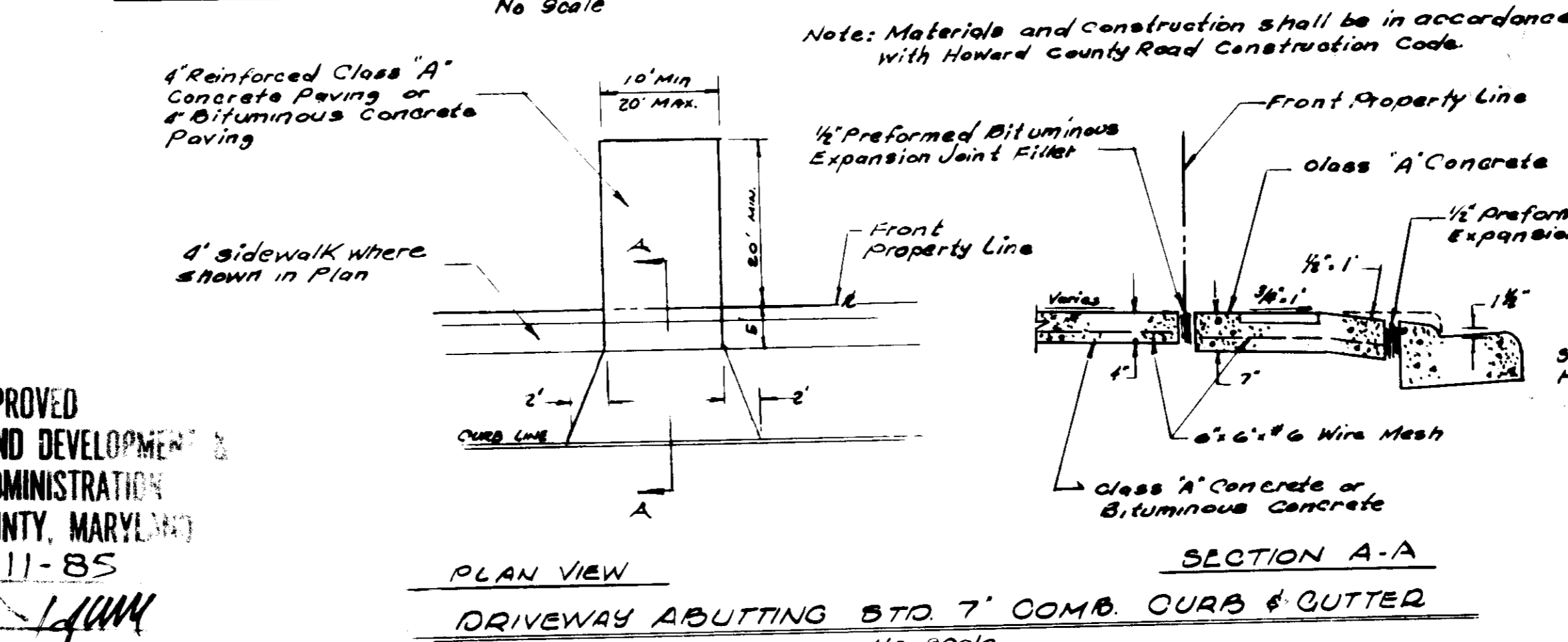
TYPICAL HOUSES



STONE OUTLET SEDIMENT TRAP



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN



PERIMETER DIKE/SWALE
 1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET DIVERTED AWAY FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING STABILIZED AREA AT MINIMUM VELOCITY.
 2. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT MINIMUM VELOCITY.
 3. THE DIKE/SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
 4. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SEED AND STUMP PULLING, AND SHALL BE DONE WITHIN 30 DAYS.
 5. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

STRAW BALE DIKE
 1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH DIKES TIGHTLY ADJUTING THE ADJACENT BALES.
 2. EACH BALE SHALL BE SPACED IN THE SOIL A MINIMUM OF (6) INCHES, AND PLACED SO THE BINDING ARE HORIZONTAL.
 3. BALES SHALL BE SECURED IN PLACE BY EITHER THE STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAYED BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
 4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROPERLY AS NEEDED.
 5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.

EARTH DIKE
 1. ALL DIKES SHALL BE CONSTRUCTED BY EARTH-MOVING EQUIPMENT.
 2. DIKES SHALL HAVE POSITIVE SLOPES TO BE OULETS.
 3. DIKE LOCATIONS SHALL BE INDICATED BY STIPPLES OR PLATTEN IF DESIRED TO FACILITATE CONSTRUCTION BY CONTRACTOR.
 4. DIKES SHALL BE CONSTRUCTED TO WITHSTAND A STABILIZED SAFE MARKET FIELD LOCATED DOWN-SLOPE THAT FUNCTIONS WITH A PROPORTION OF EROSION. STUMP SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN.
 5. DIKES SHALL BE CONSTRUCTED TO THE DESIGN AREA ABOVE THE DIKE AND NOT BEING STABILIZED.
 6. STABILIZATION SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STUMP PULLING IF NOT IN SEEDING SEASON. (3) PLUM CHANNEL AS PER THE CURB DETAIL.

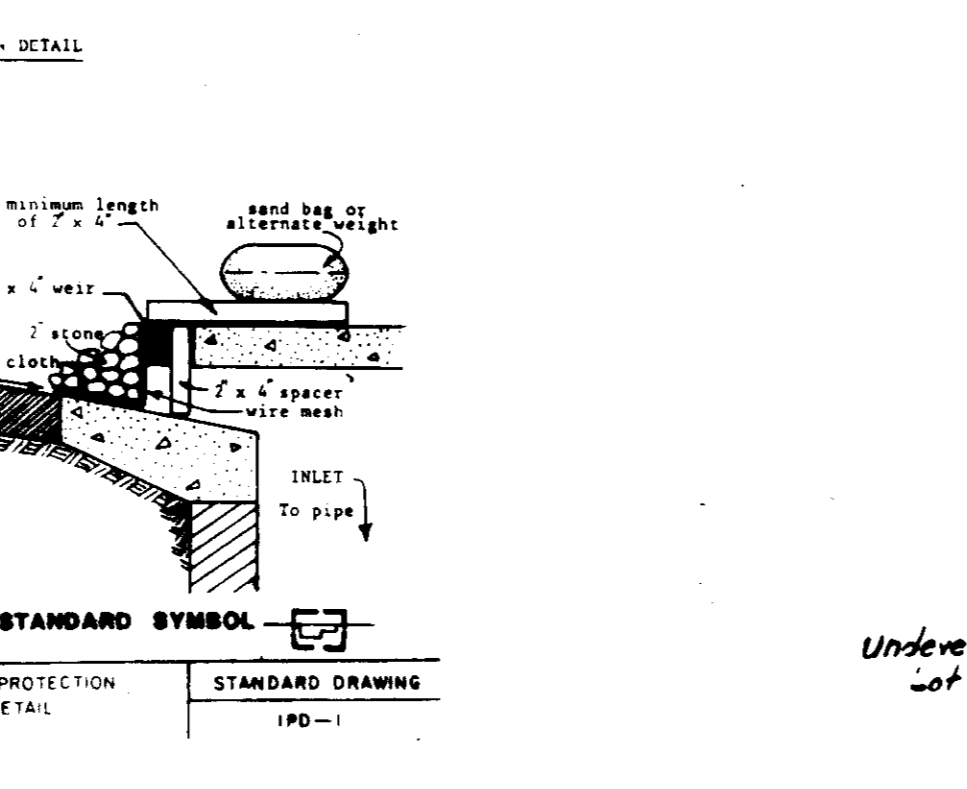
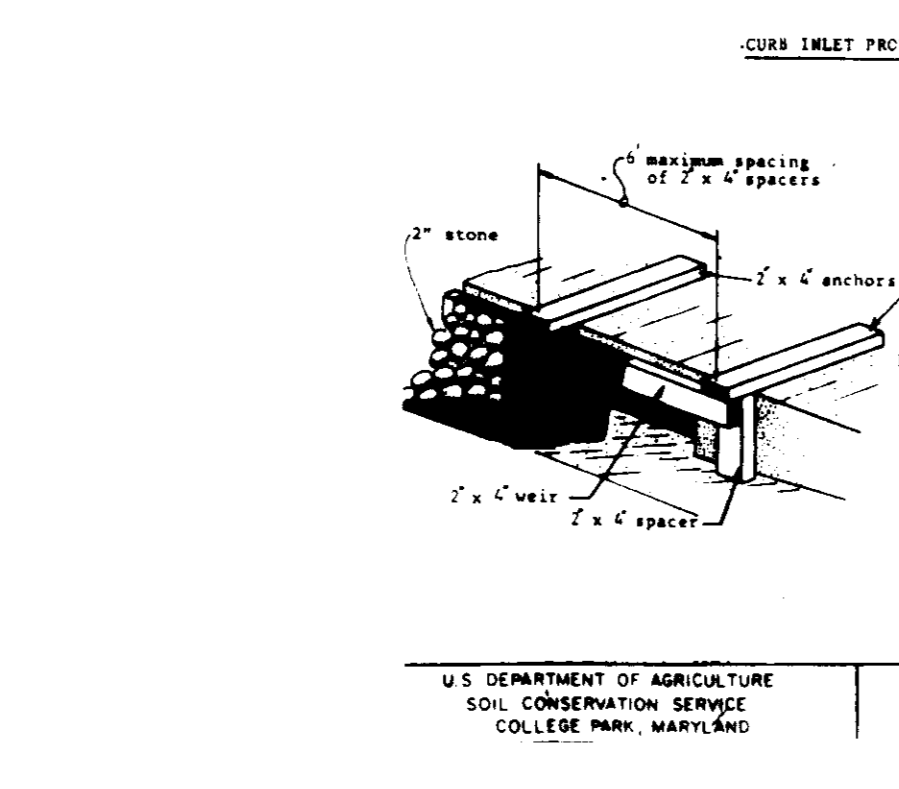
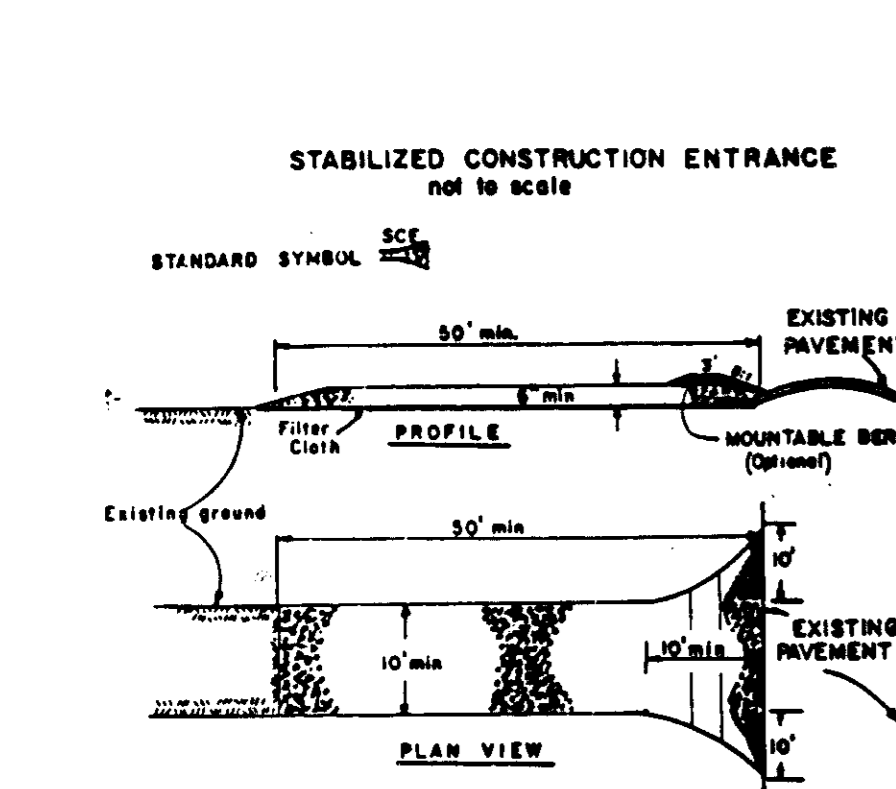
STONE OUTLET SEDIMENT TRAP
 1. Area under embankment shall be cleared, grubbed and stripped of any vegetation on root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or 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 4"-8" along with a 1" thickness of 2" aggregate placed on the up-grade side on the small riprap. An embedded filter cloth is in the riprap.
 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.

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

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 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND



STABILIZED CONSTRUCTION ENTRANCE
 1. Stone Size - Use 2" stone, or recycled concrete equivalent.
 2. Length - As required, but not less than 30 feet (except on a simple residential lot where a 20 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 at points where lanes or access occurs.
 5. Filter Cloth - Will be placed over the outlet area prior to placing of stone.
 6. Filter will not be fastened on a single family residence lot.
 7. 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 8:1 slopes will be required.
 8. Maintenance - The entrance shall be maintained in a condition which will prevent cracking or tilting of sediment into public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or placement of any measure used to trap sediment. All sediment spilled, dumped, washed or tracked onto public right-of-way must be removed immediately.
 9. Washing - Berms shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 10. Periodic inspection and needed maintenance shall be provided after each rain.

STORM INLET SEDIMENT TRAP
 1. Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
 2. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
 3. The volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
 4. The structure shall be inspected after each rain and repairs made as needed.
 5. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
 6. The sediment trap shall be covered and the area stabilized when the construction drainage area has been properly stabilized.
 7. All cut slopes shall be 1:1 or flatter.

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SEQUENCE OF CONSTRUCTION
 1. OBTAIN PROPER GRADINGS FROM HOWARD COUNTY.
 2. CLEAR GRUB FOR THE INSTALLATION OF PERIMETER DIKES.
 3. INSTALL AND SEED PERIMETER DIKES.
 4. CLEAR AND GRUB REMAINDER OF SITE.
 5. INSTALL STORM DRAINAGE SYSTEMS.
 6. INSTALL CURBS AND GUTTERS.
 7. INSTALL STORM DRAINAGE SYSTEMS IN DRIVEWAYS AND PARKING AREAS.
 8. PERFORM FINAL GRADING AND STABILIZE.
 9. AFTER THE SITE IS STABILIZED AND UPON APPROVAL, REMOVE CONSTRUCTION MATERIALS.

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APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 8-19-85
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 8-19-85
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] DATE: 8-14-85
 [Signature] DATE: 8-14-85
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 8-14-85

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
 [Signature] DATE: 8-9-85
 U.S. SOIL CONSERVATION SERVICE

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION, HOWARD COUNTY, MARYLAND
 DATE: 7-11-85
 [Signature] DATE: 8/4/85

DEVELOPERS/BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.
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 [Signature] DATE: 8/4/85
 LAND SURVEYOR

LAND DESIGN ASSOCIATES
 416 EAST JOPPA ROAD
 TOWSON, MARYLAND 21284
 (301) 321-0112
AMENDED (S.D.P. 85-60)

DESIGNED: R.L.W.
 DRAWN: R.L.W.
 CHECKED: R.L.W.
 DATE: 8/2/85

SCALE: 1"=30'
 DRAWING: 2 of 2
 JOB NO.:
 FILE NO.:

FOR: GRAYSON HOMES, INC.
 9925 CHEVERLY DRIVE
 ELICOTT CITY, MD 21043