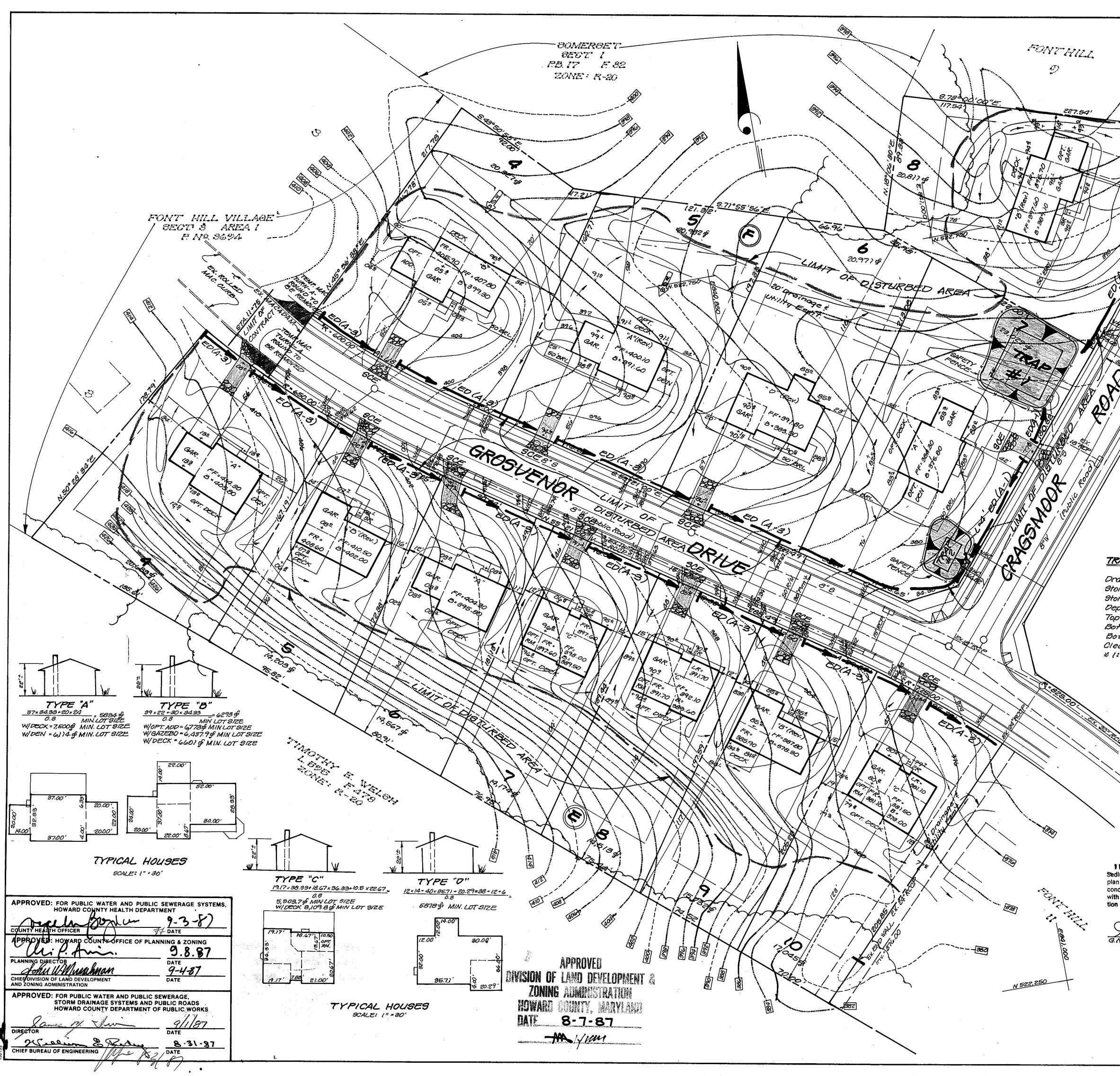


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DRIVEWAY ENTRANCE	 }			
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HOWARD COUNTY HEALTH DEPARTMENT				
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OUNTY HEALTH OFFICER	APPROVED			
ADDROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING	IVISION OF LAND DEVELOPMENT &			
Mr. Hm. 9. 2. 87				
PLANNING DIRECTOR DATE	ZONING ADMINISTRATION			
CHIEF DIVISION OF LAND DEVELOPMENT DATE	HOWARD COUNTY, MARYLAND			n Anton A
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APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS		1		4
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LEGEND: 1. Contour Interval 2. Existing Contour 3. Proposed Contour 40 40 40 40 40 40 40 40 40 40
Drainage Area 3.6Ac. Storage Required 6480 cf. Storage Provided 6480 cf. Depth 4.0' Slot Elevation 376.83 Bottom Elev. 372.88 Clean-Out Elev. 374.83 Bottom Dim. 36.5' × 36' * 1:1 Side slopes in cut. Brick shut slots on North, South s East sides. GENERAL NOTES:
TRAP #2 (SOST) STYCrainage Area0.8Ac.Drainage Area0.8Ac.Atorage Required(440cfHorage Revided(440cfHorage Revided(440cfHowardControl Survey [Pt. Nos. 3]40002 § 3!40003.Depth4.0'So of Stone Creat377.0So thom Elev.372.0So thom Dim.20'x 'Dear - Out Elev374.0Lear - Out Elev374.0Li Side slopes in cut.7Li Side slop
DEVELOPER'S/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 personnel 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 before beginning the project. I also authorize periodic on- site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary;"
Reven Signature of Developer/Builder T-13-87 Dete THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. Approval ENGINEER'S CERTIFICATE
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable blan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soli Conserva- ion District.
CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 38+7200 - BALTO. • (301) 621-8100 - WASH. DESIGNED JLS DRAWN LJG CHECKED USS CHECKED USS CHECKED USS CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 38+7200 - BALTO. • (301) 621-8100 - WASH. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 38+7200 - BALTO. • (301) 621-8100 - WASH. DESIGNED JLS CHECKED USS CHECKED CHECKE

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DESIGNED	SEDIMENT & EROSION CONTROL PLAN LOTS: 4-15, BK. E, 4-8, BK.F & 4-13, BLK.H	SCALE 1"= 30'
DRAWN LJG	FONT HILL VILLAGE	DRAWING 3 of 5
CHECKED JLS	202 ELECTION DISTRICT HOIVARD COUNTY, MARYLAND	JOB NO. 87-048
DATE June 1987	FOR: Randall Construction Co., Inc. 5501 Tivin Knolls Rd. #102 Columbia, Moryland 21045	FILE NO. 87-04895
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Name			Del See
and meets Technical Requirements			
Signature Date			
U Signature U Date			I I MALINE
U.S. Soil Conservation Service			
THIS DEVELOPMENT PLAN IS APPROVED			
FOR SOIL EROSION AND SEDIMENT.			
CONTROL BY THE HOWARD SOIL			
CONSERVATION DISTRICT.			\mathbf{N}
CUNSERVATION DISTRICT.			
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to fill have			
APPROVAL - Miles - 9/28/87			
APPROVAL 64TE		TRAP #6 (30	ST)STY *
		Drainage Area	3.3 AC.
		Storage Required	5940 cf
		Storage Provided	
		Depth	4.0'
. Driveway Normalside work a	rade to be	Top of Stone Cres	
church a start of the continuous through	driveway.	Bottom Elev.	368.0
Sope of aprox	n to meet front walk.	Clean - Out Elev.	370.0
I's protormod exp. joint		Bottom Dim.	51' × 23'
1/2" preformed exp. jort	N 4. Concrete Sidewalt	* 1:1 Side Slopes	
DRIVEWAY ENTRANCE			
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Varios 10°.0° Min. 20°.0° Max.			
Front Girlewall			
Front Sidewolk Elev.			
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FRONT VIEW			
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joint filler 12" o.c.	···· / ry 11/16. j		Bottom Dim.
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DRIVEWAY ABUTTING CLOSED SECT	TON WITH		* 1:1 Side Slo
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APPHOVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	1	i/ vv s ceri according A	ify that all development and construction w
	8	control and	o this plan of development and plan for ei that all responsible personnel involved in
COUNTY WEATH OFFICER 27-3-87 DATE	Annn urn	broises will	that all responsible personnel involved in have a Certificate of Attendance at a Dep
	APPROVED	Resources	nave a Certificate of Altendance at a Dep Approved Training Program for the Control
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING	DIVISION OF LAND DEVELOP	Erosion before	pre beginning the project. I also authorize
leri P. A		site inspection	on by the Howard Soil Conservation Distri
PLANNING DIRECTOR DATE	ZONING ADMINISTRATIC	UIX authorized a	agents, as are deemed necessary."
fohn W.M. usselman 9-4-87	HOWARD COUNTY, MARYI	AND -	
CHIEF/DIVISION OF LAND DEVELOPMENT DATE AND ZONING ADMINISTRATION		Address of the second se	Reiner
	- DATE 8-7-87	S	gnature of Developer/Builder
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS	_	E Contraction of the second	
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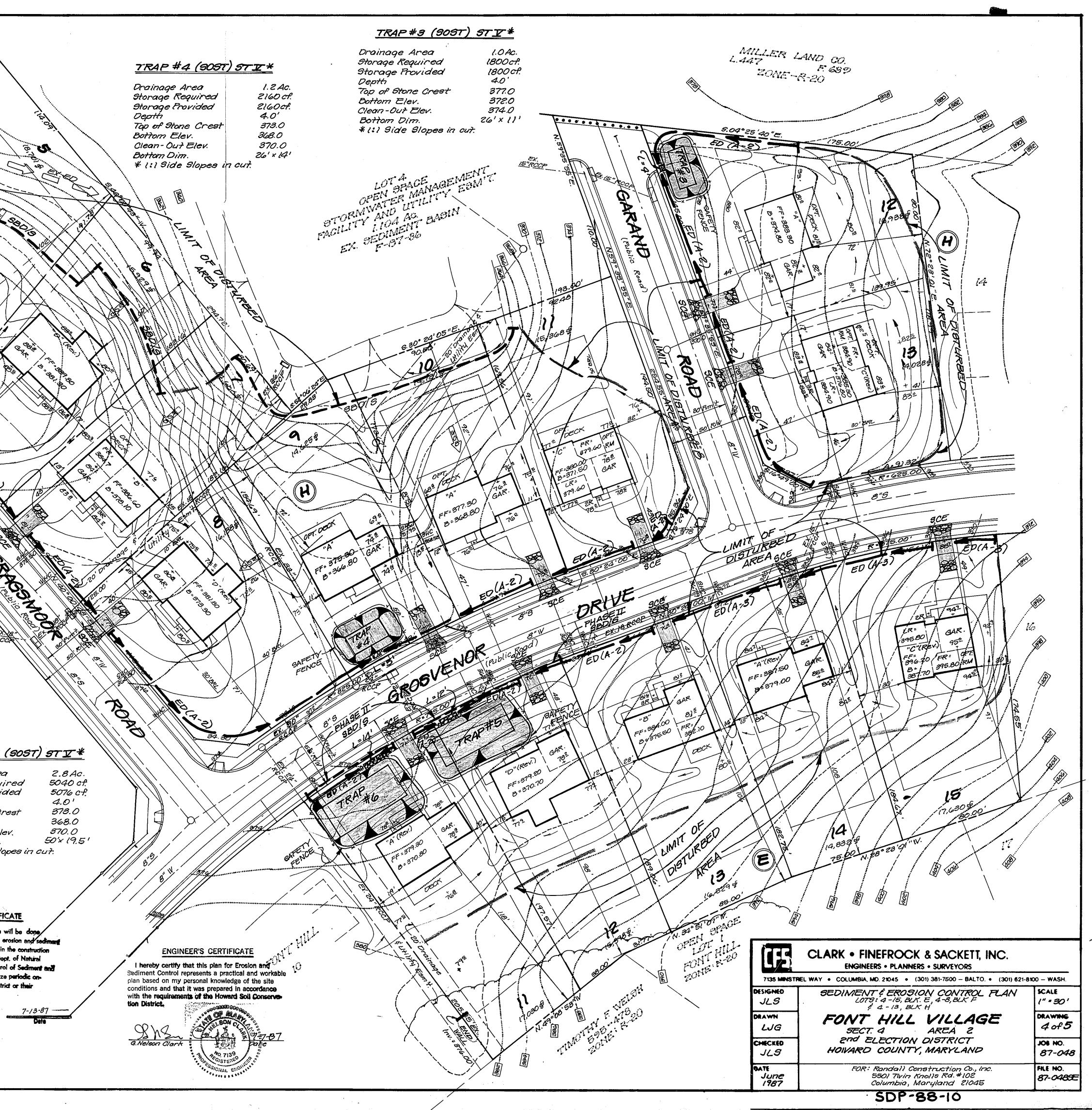
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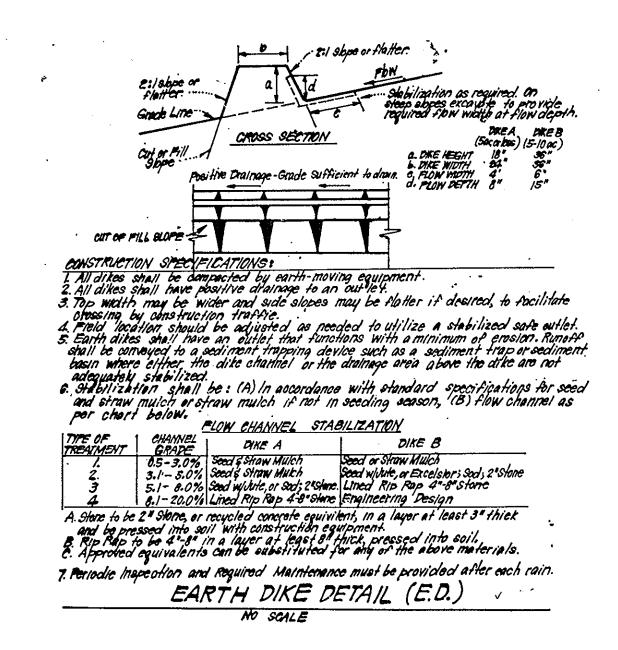
CHIEF BUREAU OF ENGINEERING ورا المورد الأخي و

8-31-87 DATE

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SEDIMENT CONTROL NOTES

- 2 1 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 redisturbance, 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, Chaper 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 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 establishmant 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 the Howard County Sediment Control Inspector
 - 7) Site Analysis: 10,58 Acres Total Area of Site 8.76 Acres Area Disturbed Area to be roofed or paved 1.92 Acre Area to be vegetatively stabilized 6.24 Acres Total Cut Total Fill
 - Offsite waste/borrow area 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 control must be provided, if deemed necessary by the Howard County DFW sediment control
 - inspector. 10) On all sites with disturbed greas 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
 - initial approvals may not be authorised until this initial approval by the inspection agency is made. 4
 11) If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
 - 12) All pipes to be blocked at the end of each day (see detail
 - below). NIA 13) The total amount of straw bale dikes/silt fence equals _________L.F.

SEWERAGE SYSTEMS, IENT 9-3-87 DATE		
11NG & ZONING 9.8.87	APPROVED DAVISION OF LAND DEVELOPMENT	
DATE <u>9-4-87</u> DATE	ZONING ADMINISTRATION HOWARD COUNTY. MARYLAND	
WERAGE, BLIC ROADS RUBLIC WORKS	8-7-87	
04/87 DATE 8-31-87 DATE7	- Joon Hum	
	ATE DATE UNG & ZONING 9.8.87 DATE 9-4-87 DATE WERAGE, BLIC ROADS RUBLIC WORKS <u>9.4.87</u> DATE <u>9.4.87</u>	9.3.87 DATE IING & ZONING 9.8.87 DATE 9.4.87 DATE APPROVED INVISION OF LAND DEVELOPMENT ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND DATE BLIC ROADS RUBLIC WORKS ATE 8-31.87

PERMANENT SEEDING NOTES

a permanent long-lived vegetative cover is needed.

Seedbed 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

- per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 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 thre 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 14 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 flac areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintunance - Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative

cover is needed. Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

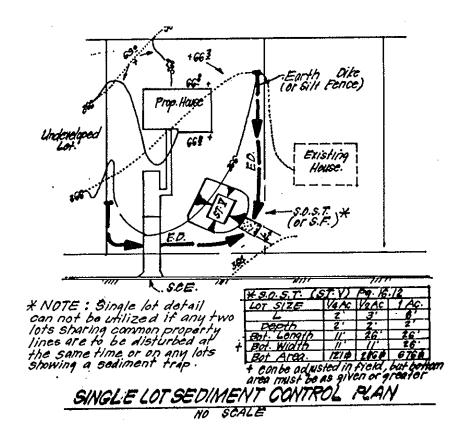
Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

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 rt). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For

Mulching: Apply 14 to 2 tons per acre 670 to 90 lbs/1000 aq 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.

- I. Obtain grading per 2. Install sediment fe
- 3. Excavate for founa
- 4. Construct houses, on lots 11 \$ 12, blk.
- 5. Fine grade and sta onsite in accordance
- 6. Upon approval of the inspector remove s
- measures and stat 7. Install Phase II st
- for lots 11 & 12, blk. 8. Construct houses, a
- 9. Fine grade & stabi accordance with st
- 10. Upon approval of a measures and stabilize.



Apply to gladed or cleared areas not subject to immediate further disturbance where

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 1bs

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.

ther 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.

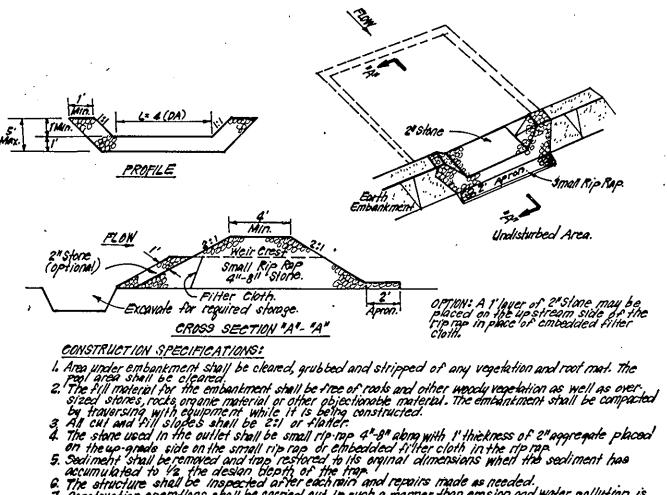
CONSTRUCTION SEQUENCE

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	30
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inspector, remove sediment à erosion control

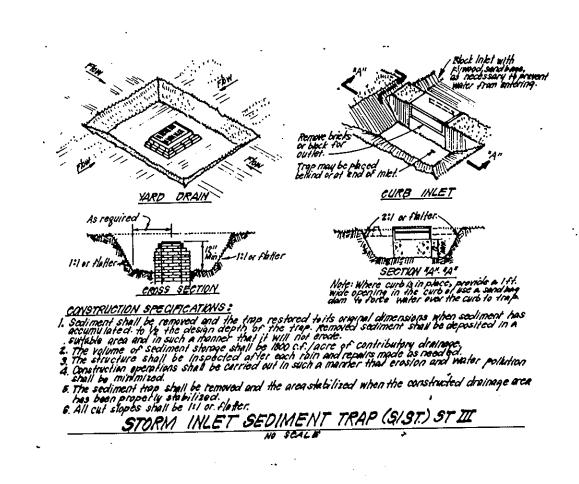


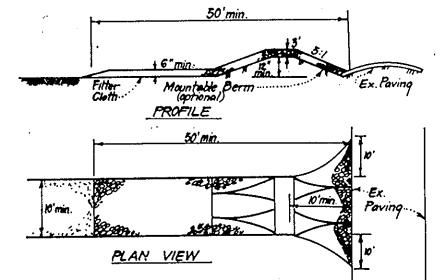
- Construction operations shall be corried out in such a manner than crosion and water pollution is minimized.

NO SCALE

8. The structure shall be removed and the area stabilized when the drainage area has been properly

STONE OUTLET SEDIMENT TRAP (S.O.ST.) ST.Y.





CONSTRUCTION SPECIFICATIONS :

and the Contract of States of States

- 1. Stone size -Lise 2° stone, or reclaimed or recucled concrete equivalent. 2. Length -As required, but not less that 50 feet (exception a single residence lot where a 30 foot minimum length would apply.
- 3. Thickness Not less than six (6) inches. 4. Width - Ten (10) foot minimum, but not less than the full width at points
- where ingress or egress occurs.

- where incress or excess occurs.
 5. 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.
 6. Surface Water All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mount-able berm with 5:1 stopes will be permitted.
 7. 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 drassing with additional stone as conditione demand and repair and or cleanout of any measures used to trap sediment. All sediment spilled, drapped, washed or tracked onto public rights -of-way must be removed immediately.
 8. Washing Wheels shall be idenand to remove assimption prior to entrance
- 8. Washing Wheels shall be cleaned to remove ordinant prior to entrance onto public rights -of -way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment 9. Periodic inspection and needed maintenance shall be provided after each rain.
- STABILIZED CONSTRUCTION ENTRANCE (SCE)

