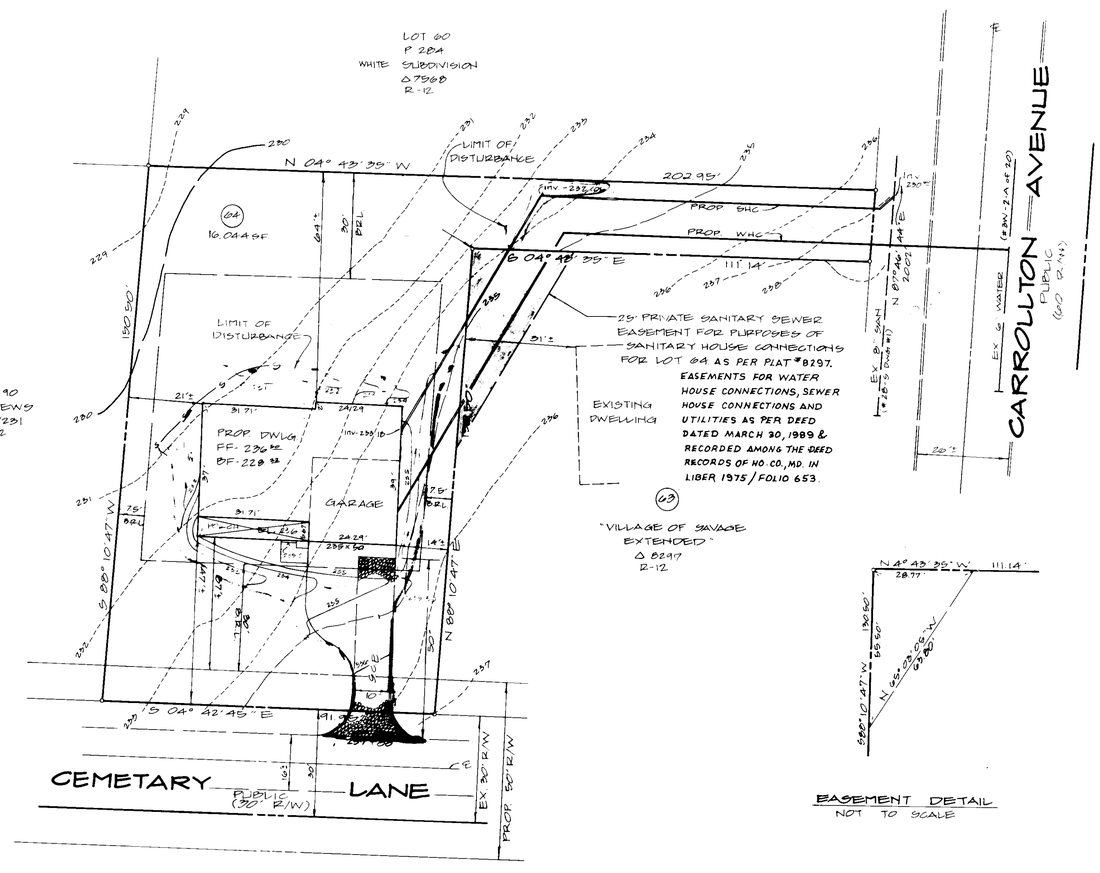


PLAN

SCALE 1"=20'

EASEMENT DETAIL

NOT TO SCALE

MD STATE GRID MERIDIAN

EROSION CONTROL UTILITY CONSTRUCTION NOTES:

1) Excavated trench material shall be placed on the upstream side of trench.
2) Immediately following pipe installation, the trench shall be backfilled, compacted, and immediately stabilized (mulched, seeded, and/or sodded, mechanical stabilization) at the end of each working day.
3) Temporary straw bale dikes shall be placed immediately downstream of any disturbed area intended to remain disturbed longer than one working day. (SBD-1)
4) The contractor shall disturb and open trench the minimum practical area required to accomplish the work designated for each day.
5) All sediment and erosion control practices and vegetative stabilization shall be in accordance with the "standards and specifications for soil erosion and sediment control in developing areas."
6) When dewatering trenches, water shall be discharged into approved sediment trapping device.
7) The measures required on the approved site sediment control plan shall apply as if shown on this plan and shall be complete and in service prior to construction of the utilities shown on this plan.

OWNER / DEVELOPER

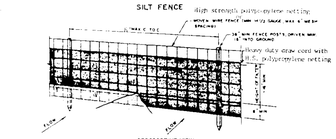
KENNETH L WILLIAMS
8805 CARROLLTON AVE.
SAVAGE, MARYLAND 20763
498-8941

ADDRESS CHART

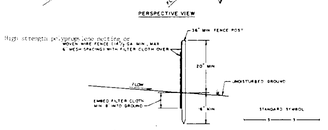
LOT #	STREET ADDRESS
64	8869 CEMETARY LANE

ANNAPOLIS DETAIL SHEET

SILT FENCE High strength polypropylene netting



PERSPECTIVE VIEW

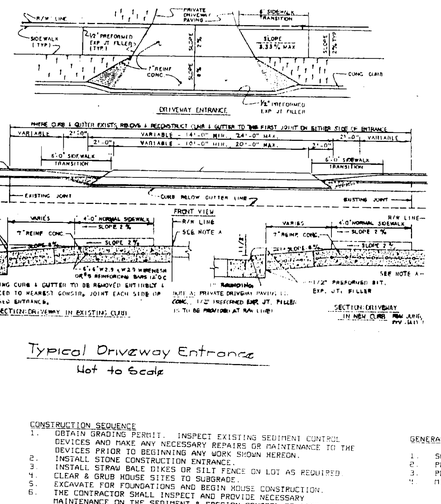


SECTION

CONSTRUCTION NOTE FOR FABRICATED SILT FENCE

1. High strength polypropylene netting or wire mesh fence to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to wire mesh fence with ties spaced every 24" at top and mid section.
3. When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
4. Maintenance shall be performed as needed and material removed when bulges develop in the silt fence.

POSTS: Steel either T or U type or hardwood (Actual) (Nominal) 1.33 lbs./ft. 2" x 2"
FENCE: Wire 14½ Ga. 6" Max. Mesh Opening
FILTER CLOTH: Filter Fx Extra Strength Fabric (Actual) (Nominal) 0.30 lbs./sq. yd. 120 lbs. Min. Tensile Strength
PREFABRICATED UNIT: Geofab, Stabilinka, or Approved Equal



Typical Driveway Entrance

Not to Scale

CONSTRUCTION SEQUENCE

1. OBTAIN GRADING PERMIT. INSPECT EXISTING SEDIMENT CONTROL DEVICES AND MAKE ANY NECESSARY REPAIRS OR MAINTENANCE TO THE DEVICES PRIOR TO BEGINNING ANY WORK SHOWN HEREON.
2. INSTALL STONE CONSTRUCTION ENTRANCE.
3. INSTALL STRAW BALE DIKES OR SILT FENCE ON LOT AS REQUIRED
4. CLEAR & GRUB HOUSE SITES TO SUBGRADE.
5. EXCAVATE FOR FOUNDATIONS AND BEGIN HOUSE CONSTRUCTION.
6. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT & EROSION CONTROL DEVICES AFTER EACH RAINFALL AND ON A DAILY BASIS.
7. REMOVE SEDIMENT FROM ROADWAY AND DRESS STONE CONSTRUCTION ENTRANCE.
8. FINE GRADE LOTS AND STABILIZE. INSTALL DRIVEWAY AND SIDEWALKS.
9. REMOVE STRAW BALE DIKE AND SILT FENCE AND STABILIZE
10. STABILIZE ALL REMAINING DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.

SEDIMENT CONTROL NOTES

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (598-2937).
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISION 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: 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES 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 10, 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 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	0.37	ACRES
AREA DISTURBED	0.37	ACRES
AREA TO BE ROOFED OR PAVED	0.06	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.31	ACRES
TOTAL CUT	250	CU. YDS.
TOTAL FILL	30	CU. YDS.
OFFSITE WASTE /BORROW AREA LOCATION	220	CU. YDS.

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE PREPARED ON THE SAME DAY AS 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 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.

STANDARD SCE-1

STABILIZED CONSTRUCTION ENTRANCE

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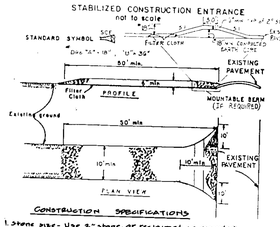


CONSTRUCTION SPECIFICATIONS

1. Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 ft. (except on a single residence lot where a 30 ft. minimum length would apply.
3. Thickness - not less than six (6) inches.
4. Width - Ten (10) ft. minimum, but not less than the full width at points where ingress and egress 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 mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.
8. Washing - Wheels 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.
9. Periodic inspection and needed maintenance shall be provided after each rain.

GENERAL NOTES

1. SUBJECT PROPERTY IS LOCATED ON TAX MAP 47
2. PLAT REFERENCE: 8247 / F-89-06
3. PRESENT ZONING: R-12
4. MINIMUM SETBACKS:
   FRONT: 30'
   SIDE: 7.5'
   REAR: 30'
5. TYPICAL HOUSE DIMENSIONS, SCHEMATIC PROFILE, DETAILS, SEDIMENT CONTROL NOTES AND SPECIFICATION CAN BE FOUND ON THIS SHEET.
6. SITE ANALYSIS:
   TOTAL NUMBER OF LOTS: 1
   TOTAL AREA OF LOTS: 16,044 SQUARE FEET
   NO. PROPOSED HOUSE - 2129.96 S.F.
   HOUSE IS 18.2 % OF LOT
7. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 792-0530.
8. FINAL PLAT REFERENCE IS F-89-06.

Permanent Seeding Notes

A. Disturbed areas shall be stabilized as follows:

B. Seedbed preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

C. Soil Amendments:

1. Preferred:

Apply two tons per acre Dolomitic Limestone (92 lbs/1000 sq. 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 two tons per acre dolomite limestone (92 lbs/1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs/sq. ft.) before seeding. Harrow or disc into upper three inches of soil.

D. 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 tall fescue. For the period May 1 thru July 31, seed with 50 lbs. of 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 spring.

Option #2: Use sod.

Option #3: Seed with 40 lbs./acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

E. Mulching:

Apply 1-1/2 to 2 tons per acre (70 - 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 eight feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

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

Temporary Seeding Notes

A. Seedbed preparation:

Loosen upper three inches by discing, raking or other acceptable means before seeding.

B. Soil amendments:

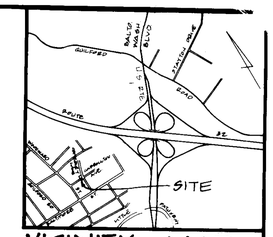
Apply 600 lbs./acre 14 lbs./1000 sq. ft.) of 10-10-10 fertilizer.

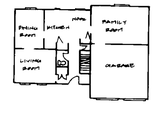
C. Seeding:

For periods March 1 thru April 30, and from August 15 thru November 15, seed with 2-1/2 bu./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 (0.07 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.

D. Mulching:

Apply 1-1/2 to 2 tons per acre (70 - 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 eight feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.





FLOOR PLAN

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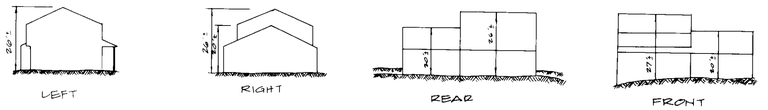

PROFILES

1"=30'

LEGEND

236	EXISTING CONTOURS
237	PROPOSED CONTOURS
S S	SILT FENCE

5-9-89

LICS

ENGINEER'S CERTIFICATE

I HEREBY 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 COUNTY SOIL CONSERVATION DISTRICT.

John M Christman — 5-21-89

SIGNATURE OF ENGINEER — DATE

VITTI, RODEL & ASSOC., INC.

ENGINEERING & SURVEYING

1717 YORK ROAD SUITE 2B LUTHERVILLE, MD 21093

(301) 252-4582

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION 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 ONSITE INSPECTION BY THE HOWARD CO SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

SIGNATURE OF DEVELOPER — DATE

REVIEWED FOR HOWARD CO SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

HO SOIL CONSERVATION SERVICE — 5/23/89 DATE

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

DISTRICT — 5/23/89 DATE

HOWARD CO SOIL CONSERVATION DISTRICT

APPROVED OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR — 7.1.89 DATE

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — 7/10/89 DATE

LCS

APPROVED HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER — 7-5-89 DATE

APPROVED DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

DIRECTOR, DEPARTMENT OF PUBLIC WORKS — 6-30-89 DATE

CHIEF, BUREAU OF ENGINEERING — DATE

PROPERTY / SUBDIVISION			SECTION	LOTS
"VILLAGE OF SAVAGE EXTENDED"			—	64
PLAT # / L.F.	BUDGET #	ZONE	TAX/ZONE	ELEC DIST	CENSUS TRACT
8247	11	R12	47	6	6006
WATER CODE			SEWER CODE	
601			9060000	

SITE DEVELOPMENT PLAN

"VILLAGE OF SAVAGE EXTENDED"

LOT 64 PLAT # 8247

TAX MAP 47

P/O OLD PARCEL # 336

6TH ELECTION DISTRICT HOWARD COUNTY, MD

SCALE 1"=20' SHEET 1 OF 1 JANUARY, 1989

REVISED 5/30/89

SDP-89-144