

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, disking or other acceptable means before seeding, if not previously loosened.

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 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow 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. Narrow 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 80 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 80 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 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallon per acre (8 gal/1000 sq ft) for anchoring.

Maintenance: 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.

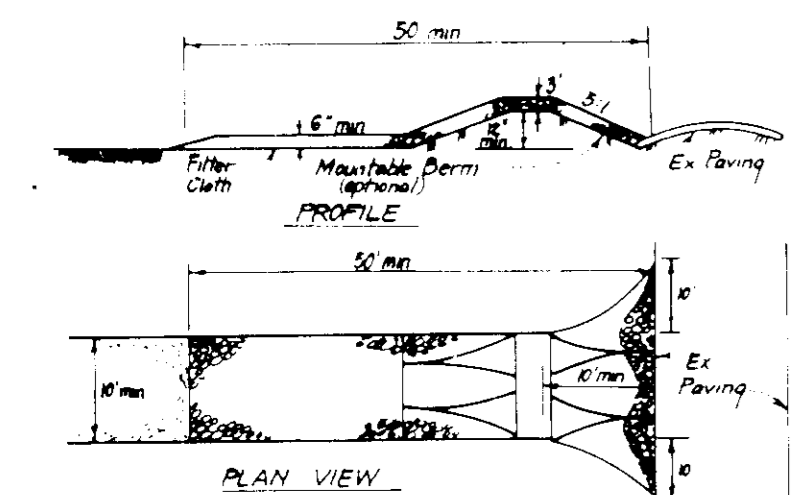
Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

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 bushels per acre of annual ryegrass (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.



- CONSTRUCTION SPECIFICATIONS:**
1. Stone size: Use 2" stone or equivalent or crushed concrete equivalent.
 2. Length: As required, but not less than 50' length, except on a single residence lot where a 30' length maximum 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 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 mounded side berm with 5' 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 hosing, sweeping, with additional effort for special hard mineral and/or sticky soils or materials. If any residue is left in the driveway, all equipment applied, tracked, washed or tracked onto public rights-of-way must be removed immediately.
 8. Washing: Washing shall be provided to remove sediment prior to entrance into public rights-of-way. When washing is required, it shall be done at an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and record maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)

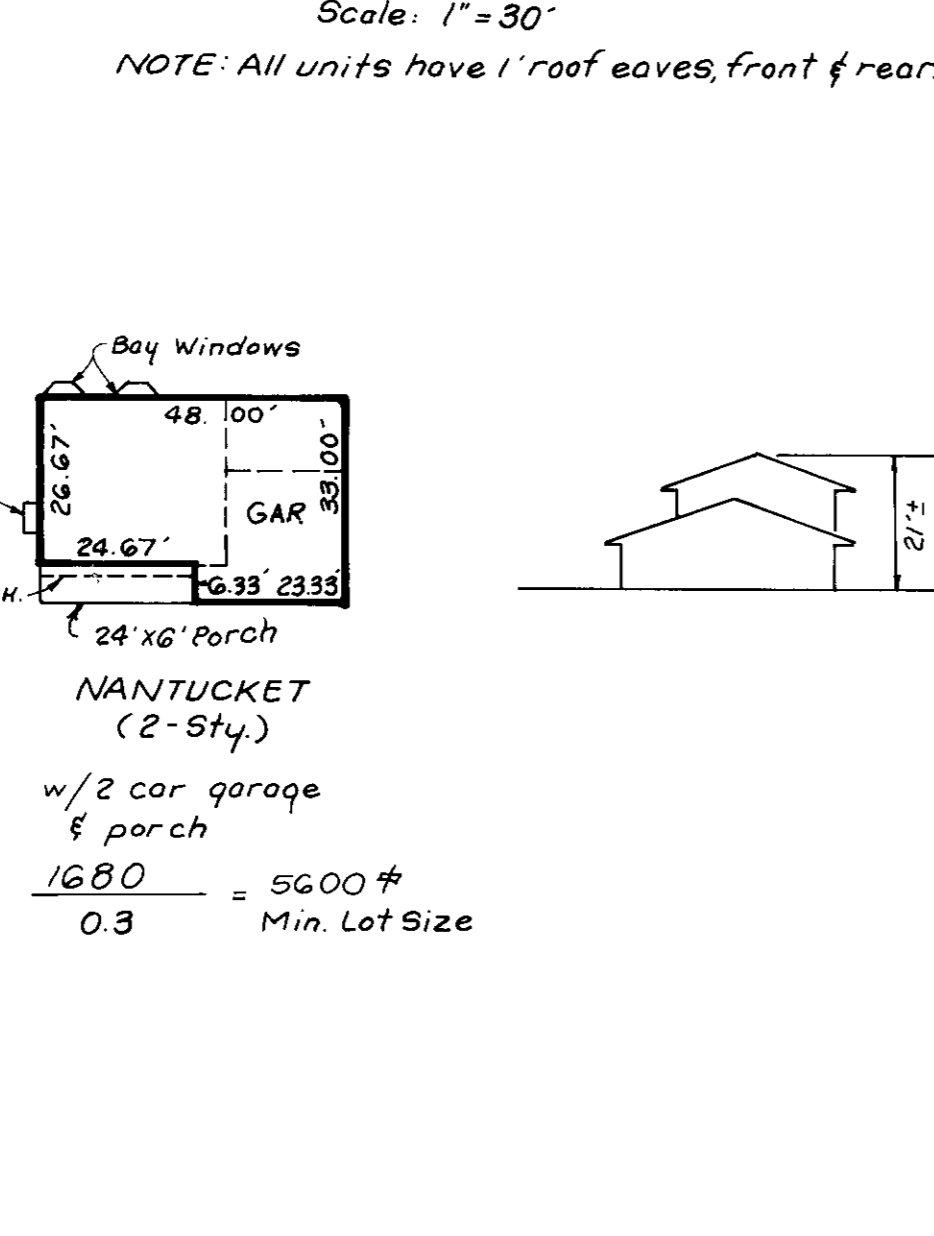
APPROVED
DIVISION OF
COMMUNITY PLANNING
& LAND DEVELOPMENT
HOWARD COUNTY,
MARYLAND
DATE **8-31-87**
J.B.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
James M. Boyd 10-23-89
JUNIOR HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
James M. Boyd 11/13/89
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James M. Boyd 10/20/89
DIRECTOR DATE

TYPICAL HOUSE



DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and also the erosion and sediment control plan and that the same will be maintained throughout the construction period in accordance with the requirements of a Dept. of Public Resources Approved Training Program for the Control of Sediment and Erosion on-site beginning the day of this certificate and continuing until the completion of the Howard County Conservation District or their authorized agents as so required necessary."

John L. Redman 8-4-87
Signature of Developer/BUILDER Date

NO. OF DAYS	ACTIVITY
7	Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.
30	Excavate for foundations and Rough Grade & temporarily stabilize.
100	Construct Structures, Sidewalks and Driveways.
30	Final Grade and stabilize in accordance with Stds. & Specs.
7	Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.

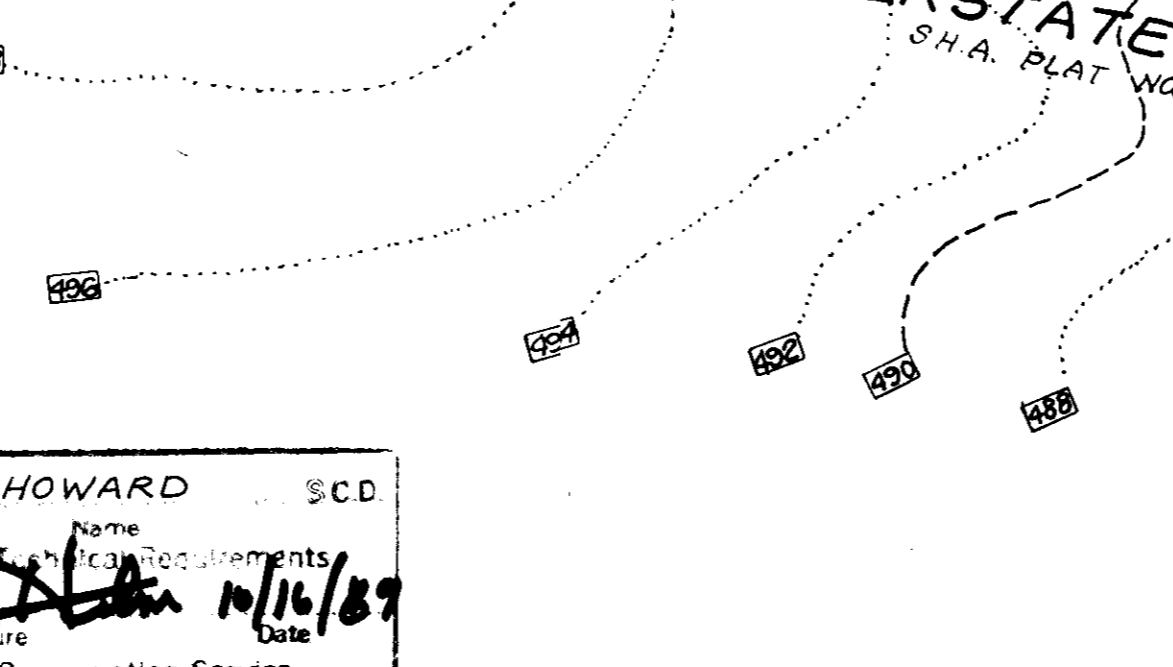
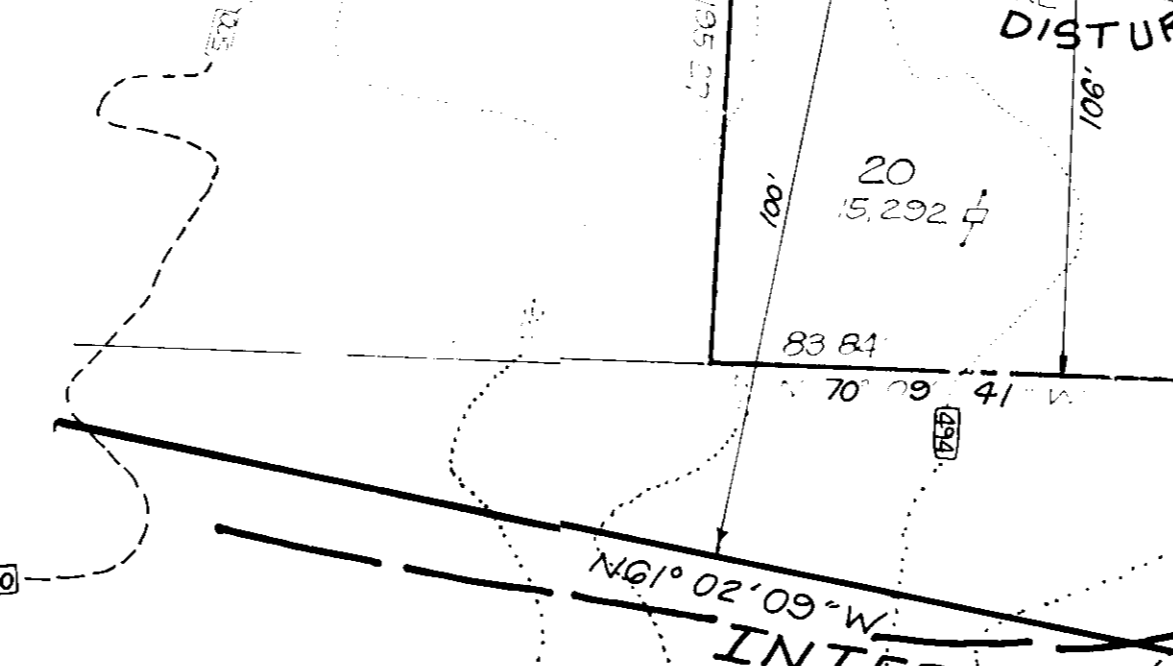
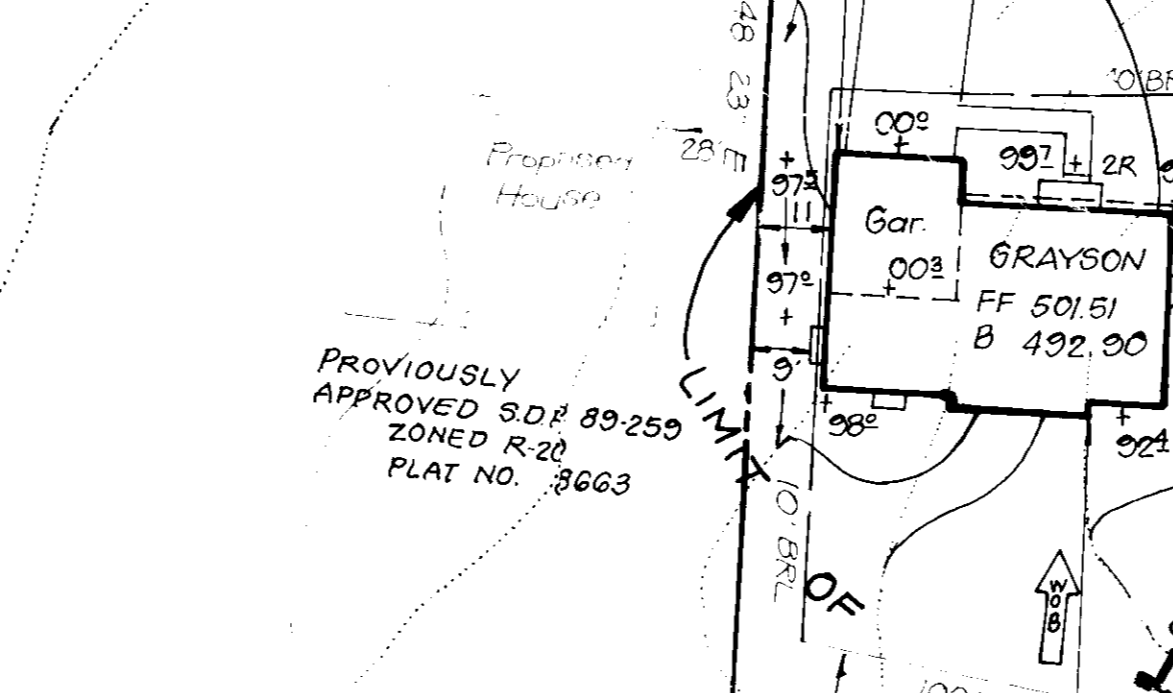
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DRIVEWAY ABUTTING CLOSED SECTION WITH STD. 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB

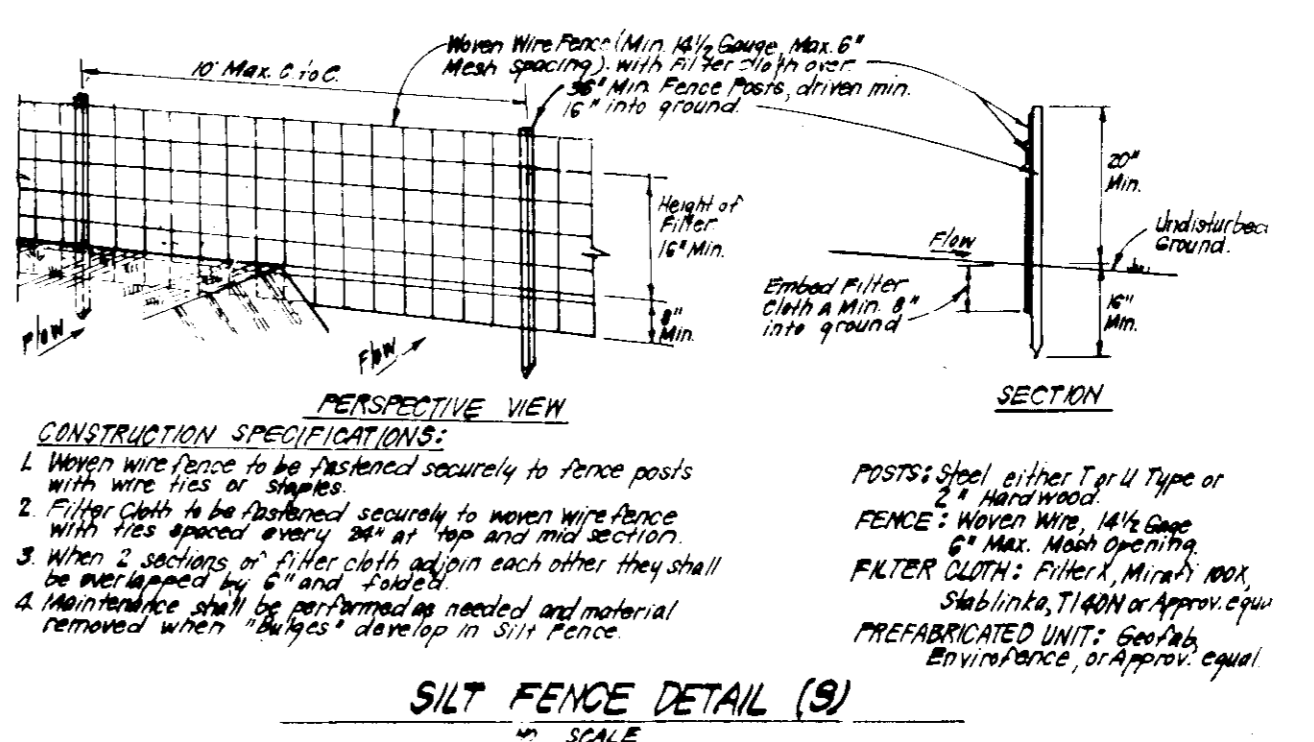


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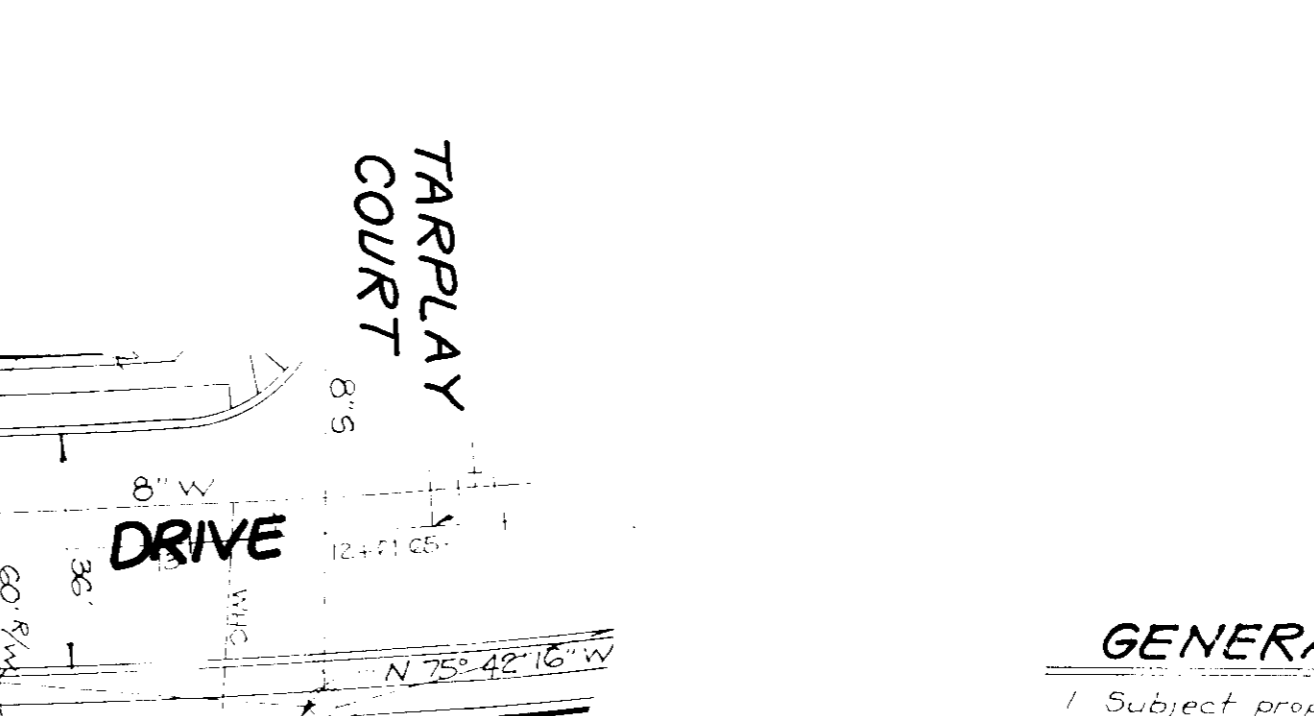


Reviewed for HOWARD COUNTY SCD
Name: *John L. Redman*
Signature: *John L. Redman* 10/16/89
Date: 10/16/89
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
John L. Redman 10/16/89
Approved Date



SILT FENCE DETAIL (9)



GENERAL NOTES

1. Subject property zoned R20 as per B. 1. 88 Code and Zoning Plan.
2. The coordinates shown hereon are based on the Maryland State Grid System and derived from the Howard County Central Station 3440001 and 3440002.
3. All roadways are public and existing.
4. Total area included in this subdivision: 0.35 Acres.
5. Total number of lots: 1.
6. Any damage to existing roads or utilities shall be the responsibility of the developer's expense.
7. Maximum lot coverage is 30%.
8. Reference plans: S-88-103, P-89-18 and P-89-126.
9. The Construction District shall conform to the Howard County Survey Division, 24 hours in advance of construction.
10. The existing hydraulic study was taken from Reed Construction Plans prepared by Fisher Collins and Corbett, Inc. P-89-126.
11. All work shall be done in accordance with Howard County Design Manual, Vol. IX, Std. Spec. and Details For Construction, 1989 amendments.

SPECIAL NOTES

1. Approved Reed Construction Plans shall be used for utility lines.
2. Public water and sewer lines shall be installed in accordance with detailed information on water and sewer lines shown on S-88-103.
3. The water and sewer lines shall be installed in accordance with the Developer's Agreement, dated 8/23/87, in accordance with the Building Code, 2nd Edition, 1987, and the Howard County Survey Division, 24 hours in advance of construction.

OWNER / DEVELOPER
REDICORD JOINT VENTURE
S/L LAND DESIGN & DEVELOPMENT INC.
8307 Main Street
Ellicott City, Md. 21043

ADDRESS CHART

LOT	STREET	ADDRESS
20	10273	WETHERBURN DRIVE

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 Conservation District.

G. Nelson Clark 8-4-89
G. Nelson Clark Date

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
215 MINTHILL WAY • COLUMBIA, MD. 21046 • (301) 991-7500 • FAX (301) 991-7501

DESIGNED: J.M.E.
DRAWN: BAK
CHECKED: J.M.E.
DATE: August 1989

SITE DEVELOPMENT PLAN AND SEDIMENT & EROSION CONTROL PLAN
LOT 20
WETHERBURN
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: RYAN HOMES, INC.
9175 Guilford Rd. # 200
Columbia, Md. 21046

SCALE: 1" = 30'
DRAWING: 1 of 1
JOB NO.: 89-051
FILE NO.: 89-051

S.D.P. 90-34