

SEDIMENT AND EROSION CONTROL NOTES

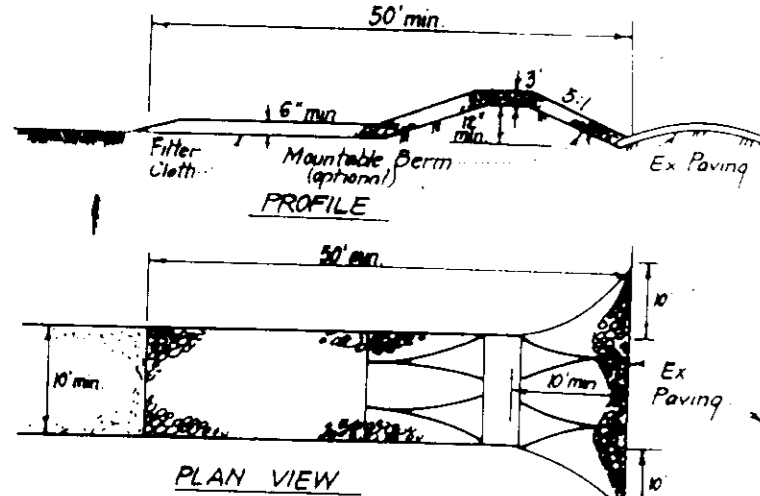
- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 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) and (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.
- 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.
- SITE ANALYSIS:**

Total Area of Site:	0.29 AC
Area Disturbed:	0.20 AC
Area to be roofed or paved:	0.11 AC
Area to be vegetatively stabilized:	0.09 AC
Total Cut:	380 CY
Total Fill:	100 CY
Offsite Waste/Borrow Area Location:	

- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
- 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.
- If houses are to be constructed on an "as sold" basis, at random, Single Family Sediment Control, as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail this sheet).
- The total amount of silt fence = 152 LF

It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

CONSTRUCTION SEQUENCE:	NO. OF DAYS
A. Obtain grading permit	7
B. Install sediment and erosion control devices and stabilize.	14
C. Excavate for foundations, rough grade and temporarily stabilize.	30
D. Construct structures, sidewalks and driveways.	60
E. Final grade and stabilize in accordance with Stds. and Specs.	14
F. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7



- CONSTRUCTION SPECIFICATIONS:**
- Stone size - 2" stone, or reclaimed or recycled concrete equivalent
 - Length - As required, but not less than 50' feet, except on a simple recessed lot where a 30' foot minimum length would apply.
 - Thickness - Not less than six (6) inches
 - Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
 - 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.
 - Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mound and berm with 5' slopes will be permitted.
 - 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 dressing with additional stone as conditions demand and "stop work or closure" if all necessary units to trap sediment. All sediment applied, trapped, washed or tracked onto public rights-of-way must be removed immediately.
 - Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done through a device stabilized with stone and which drains into an approved sediment trapping device.
 - Periodic inspection and needed maintenance shall be provided for each run.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
1/8" SCALE

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE 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, if not previously loosened.
- SOIL AMENDMENTS:** In lieu of soil test recommendations, use one of the following schedules:
- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./100 sq.ft.) and 800 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq.ft.).
 - 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 80lbs 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 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 gallons per acre (8 gal/1000 sq ft) for anchoring.

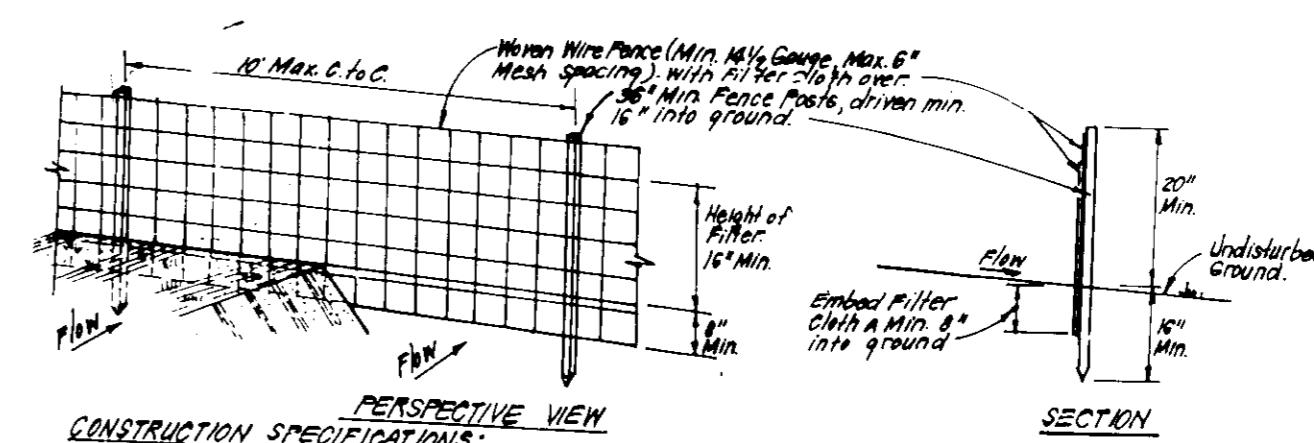
MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing, or other acceptable means before seeding, if not previously loosened.

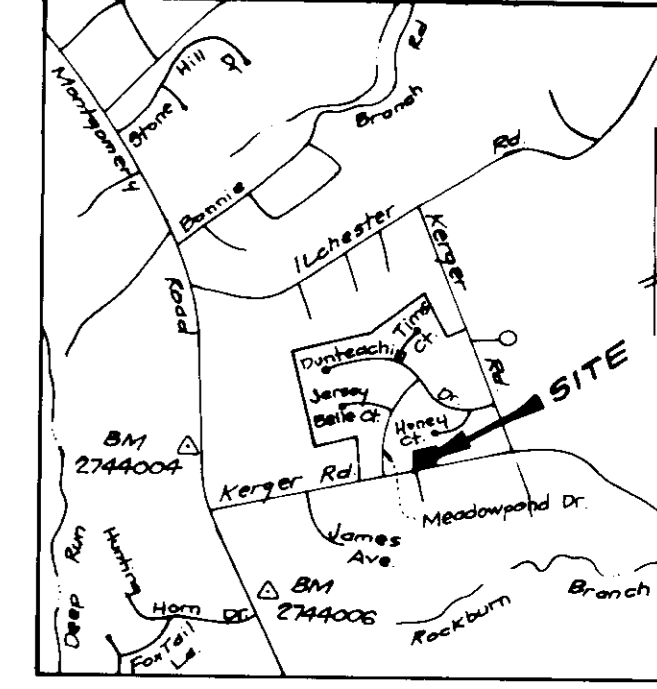
- SOIL AMENDMENTS:** Apply 800 lbs per acre 10-10-10 fertilizer (14lbs/1000 sq ft).
- SEEDING:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (3.2 lbs./1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre 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 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.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties of staples.
 - Filter Cloth to be fastened securely to woven wire fence with wire staples every 50' at top and mid section.
 - When 2 sections of filter cloth require each other they shall be overlapped by 6" and stapled.
 - Maintenance shall be performed as needed and material removed where subject to develop in Silt Fence.

SILT FENCE DETAIL (9)
1/8" SCALE



Ho Co Control Station 2744004 - Elev. 415.967 34' Rebar 0.8' below surface 7'2 W of Rte. 103 & 1400' S of intersection with Ilchester Road
Ho Co Control Station 2744006 - Elev. 400.537 Conc. Man. 0.4' below surface 8'± E of Route 103 & 700'± S of Kerger Rd. 18'± E off E. Route 103

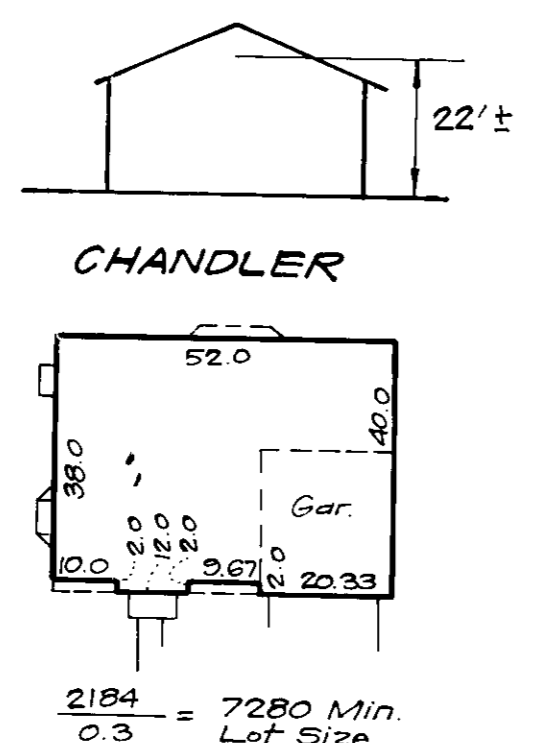
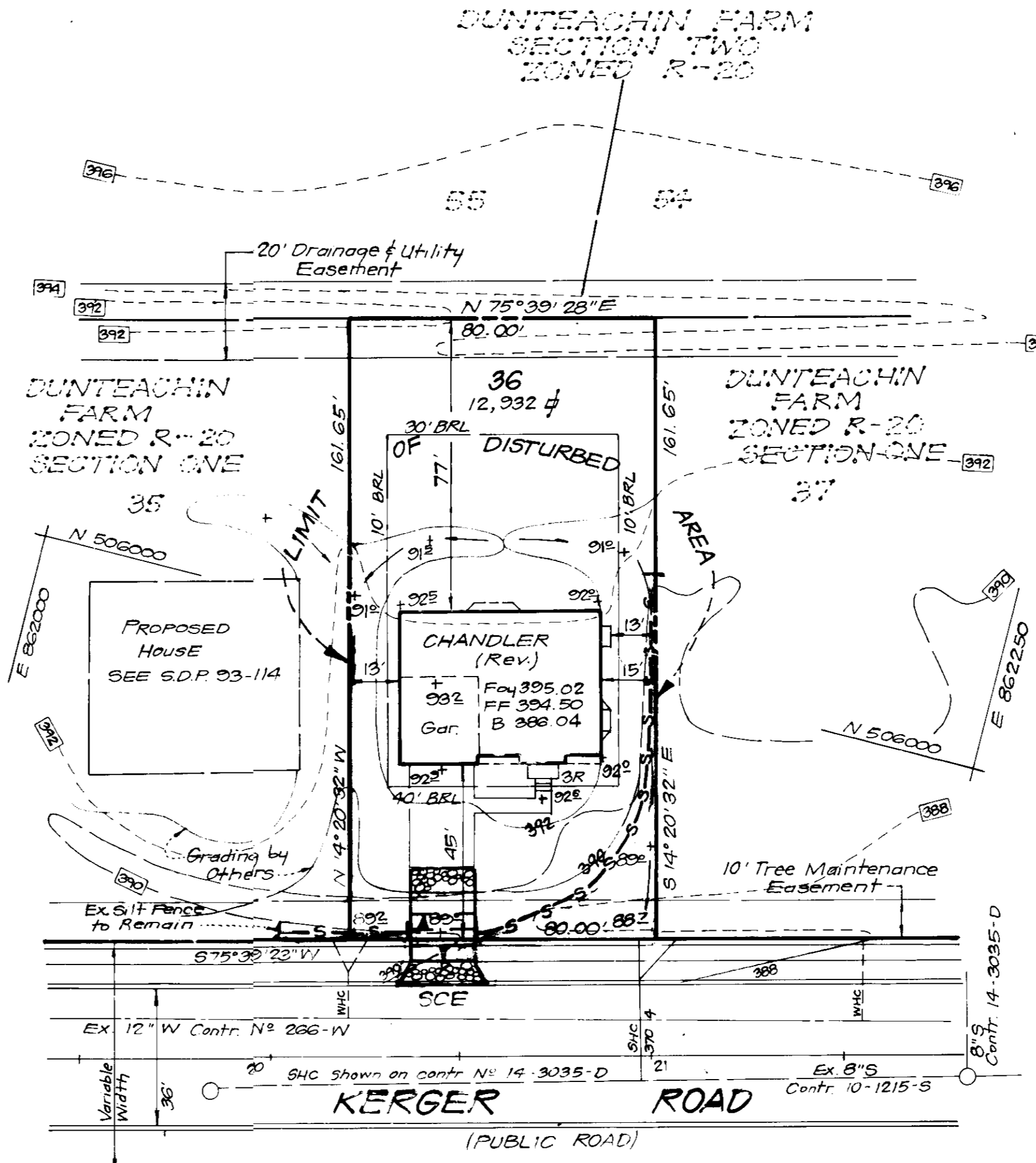
GENERAL NOTES:

- Subject property is zoned: R-20 per 8-2-85 Comprehensive Zoning Plan.
- The total area included in this submission is: 2,932 sq ft or 0.20 AC.
- The total number of lots included in this submission are: 1
- Improvement to property: Single family detached
- The maximum lot coverage permitted is: 30%
- Department of Planning and Zoning reference file numbers are: P-80-43, S-80-113, F-80-34.
- Utilities shown as existing are taken from approved water and sewer plan Contract #10-1215-S & 266 W, approved road construction plans F-80-34, and actual field survey.
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- Storm water management is provided per: F-80-34
- All roadways are public and existing.
- The existing topography shown was taken from road construction plans F-80-34 prepared by Dewberry & Davis
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos.: 2794005 and 2794006.
- The contractor shall notify the Department of Public Works/Bureau of Construction Inspection at (410) 313-1870 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- The owner/builder shall be advised that all porch/deck structures located within the front/rear building setback shall be in accordance with Section 12B of the Zoning Regulations. Regulations allow porches, patios, open or enclosed not to project more than 10' R/L into the required front or rear yard building restriction lines.
- SEE NOTE 16 BELOW

SPECIAL NOTES:

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road Construction Plans F-80-34 and/or approved Water and Sewer Plans Contract #10-1215-S and 266 W. SHC elevations shown are of the property line.

16. For driveway entrance details refer to Ho. Co. Design Manual Volume II, S.H. Detail 15-C-9.



LEGEND

- CONTOUR INTERVAL 2 FT.
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING STORM DRAIN
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE

OWNER / DEVELOPER
THE RYLAND GROUP, INC.
7130 Minstrel Way Suite 215
Columbia, Md. 21045

ADDRESS CHART		STREET ADDRESS		SEWER CODE	
LOT NO.	5876	LOT NO.	21	SEWER CODE	D-03
LOT AREA	36	LOT AREA	21	SEWER CODE	21550000

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
7-26-93

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
7/28/93

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
8/19/93

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
7/10/93

Reviewed for HOWARD COUNTY S.C.D.
Name: [Signature]
Signature: [Signature]
Date: 4/15/93
US Soil Conservation Service

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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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.

[Signature] Date: 6-1-93

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion 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 Soil Conservation District.

[Signature] Date: 5-28-93
G. NELSON CLARK



CLARK • FINEPROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 • BALTO • (410) 421-8100 • WASH.

DESIGNED	KIWM/ULS	SITE DEVELOPMENT PLAN AND SEDIMENT & EROSION CONTROL PLAN LOT 36 DUNTEACHIN FARM SECTION 1 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE	1"=30'
DRAWN	BAL		DRAWING	1 OF 1
CHECKED	KIWM/ULS	JOB NO.	93-113	
DATE	MAY 1993	FILE NO.	93-113-X	

FOR DOUGLAS HOMES
P.O. Box 628
ELLICOTT CITY, MD 21043

SDP 93-119