

SPECIAL NOTES

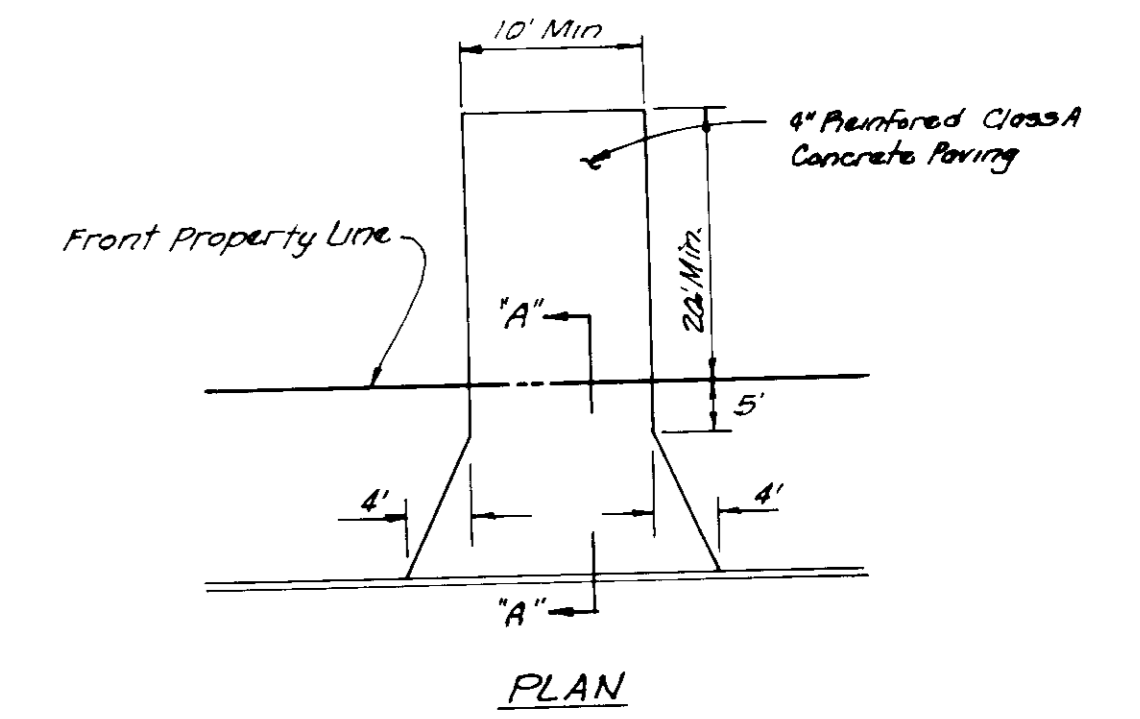
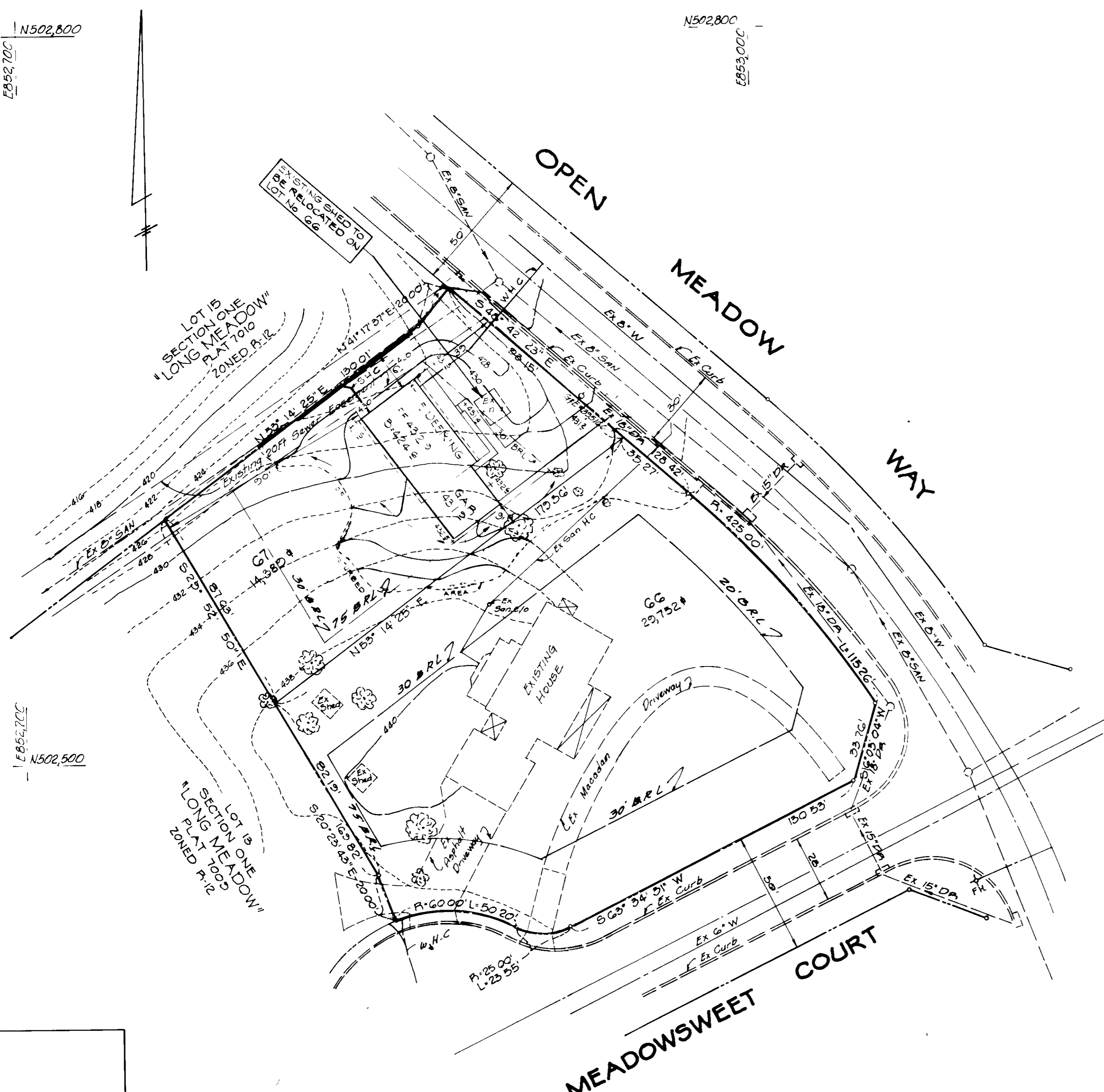
- PUBLIC WATER AND SEWER SHOWN FOR REFERENCE ONLY FOR MORE DETAILED INFORMATION - SEE WATER AND SEWER PLANS CONTRACT No 24-1527-D
- THE WATER AND SEWER HOUSE CONNECTIONS SHALL CONFORM TO HOWARD COUNTY PLUMBING CODE THE ON-SITE WHC SHALL BE 1" COPPER AND THE SHC SHALL BE 4" IRON
- STORM WATER MANAGEMENT PROVIDED FOR UNDER CONTRACT F-86-203
- THIS SITE DEVELOPMENT PLAN REVISES LOT 14 AS SHOWN ON A PREVIOUSLY APPROVED SITE DEVELOPMENT PLAN FOR 'LONG MEADOW' FILE No SDF 87-115

NOTES

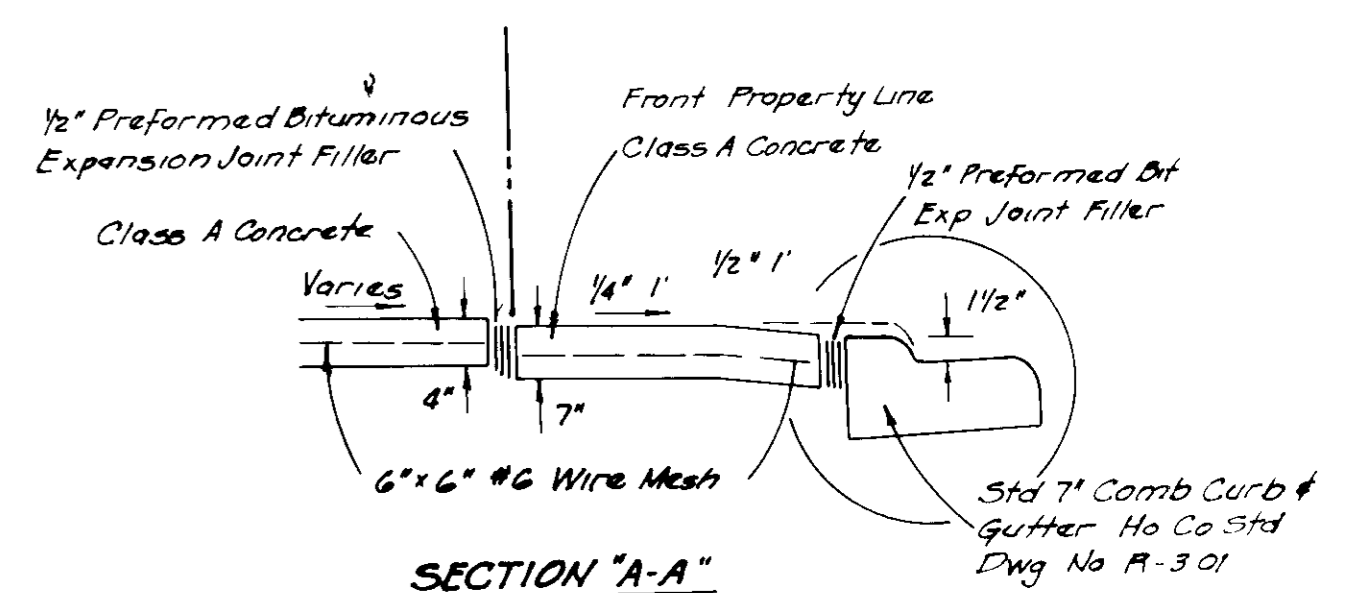
- Building Restrictions**
- Front 20' unless otherwise shown
 Rear 30'
 Side 75'

GENERAL NOTES

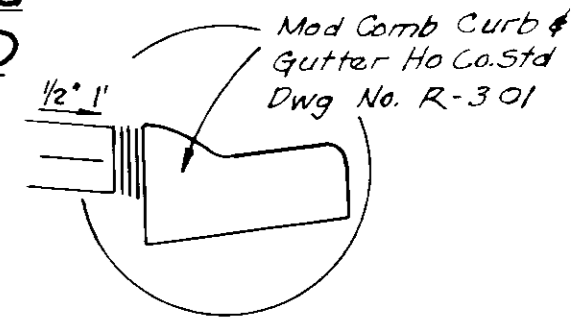
- All coordinates are based on the Maryland State Grid System, Station Numbers 2743004 and 2743006
- Total Number of Lots 2
- Total Area included in this plan is 1.013 Ac ±
- All roadways are public and existing
- Any damage to county owned rights-of-way shall be corrected at the developers expense
- The property shown hereon is zoned R-12 Maximum building coverage is 30% per lot



NOTE: Materials and Construction shall be in accordance with Howard County Road Construction Code



DRIVEWAY ABUTTING STD 7" & MODIFIED COMB CURB AND GUTTER
 NO SCALE



12.3.87
 LKS

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER DATE 5-31-88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DIRECTOR DATE 6-10-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR DATE 5/29/88

CHIEF BUREAU OF ENGINEERING DATE 5-26-88



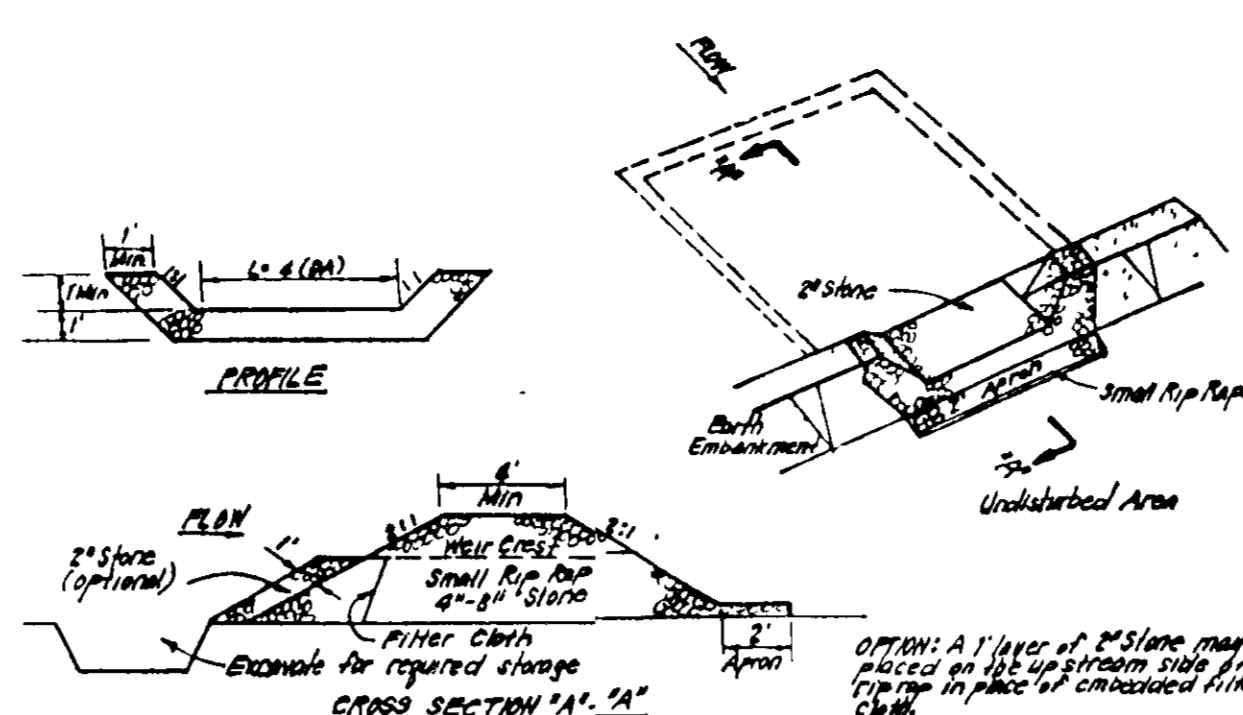
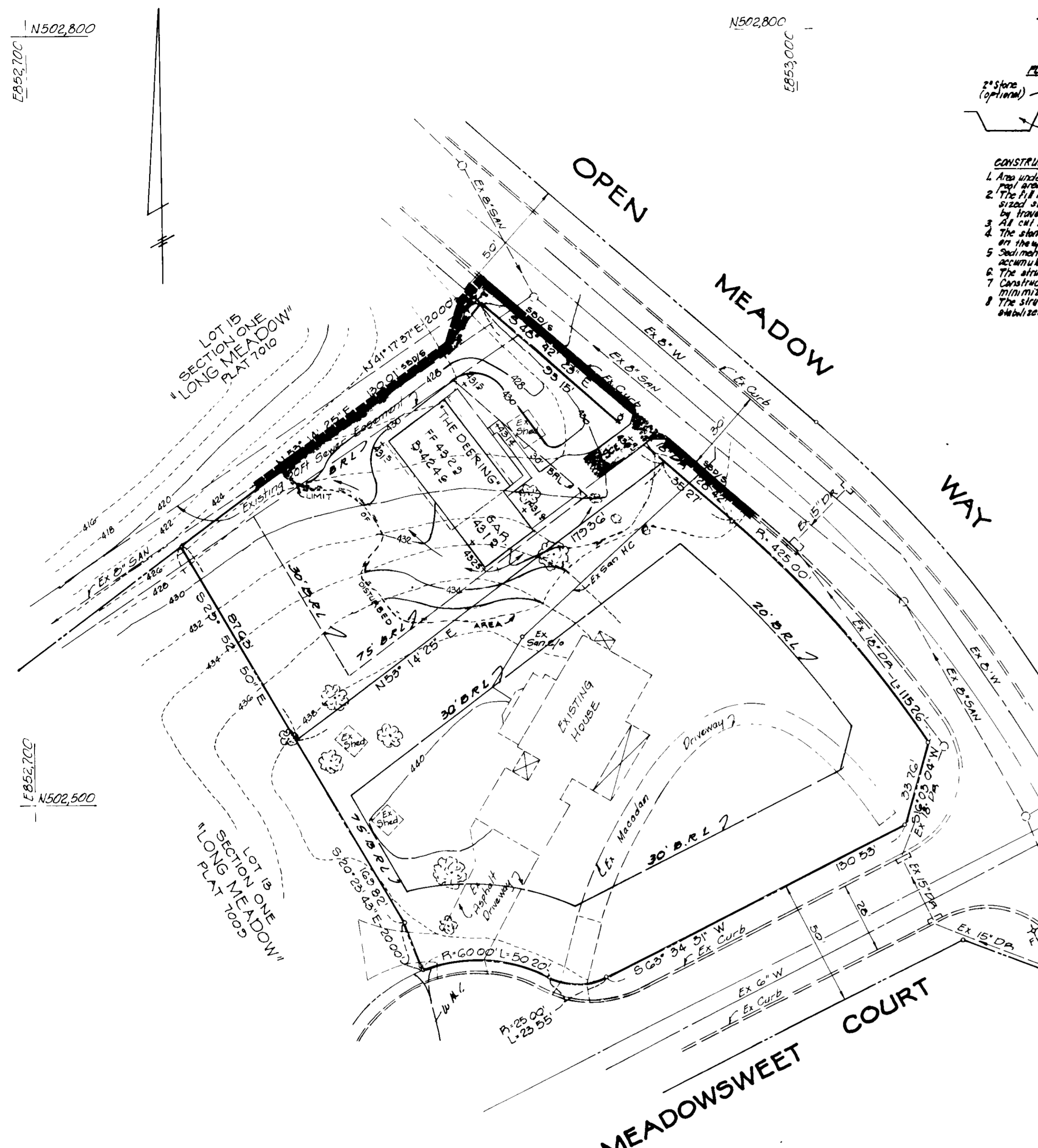
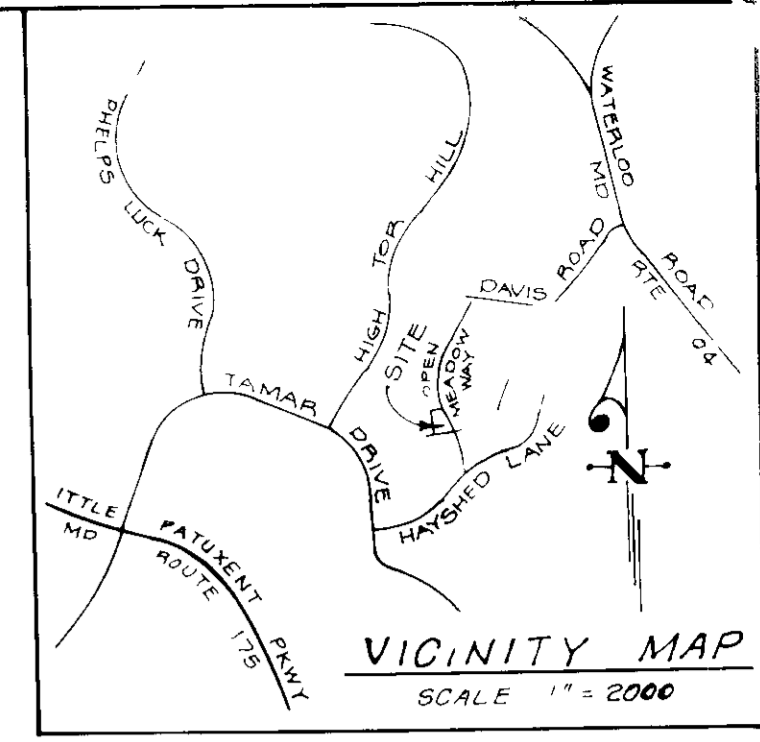
William K. Woody, 10/30/87

KCW CONSULTANTS, INC
 CIVIL ENGINEERS - LAND SURVEYORS
 1777 REISTERSTOWN ROAD
 COMMERCENTRE SUITE 175
 BALTIMORE, MARYLAND 21208
 (301) 484-0834

ADDRESS CHAPT		OWNER	SUBDIVISION NAME	SECTION	LOTS OR PARCEL
LOT NO	STREET ADDRESS				
66	8602 MEADOWSWEET COURT	GEORGE C DEERING 5838 Still Meadow Lane Columbia, MD	LONG MEADOW	1	66 & 67
67	8625 OPEN MEADOW WAY				

SITE DEVELOPMENT PLAN "LONG MEADOW"

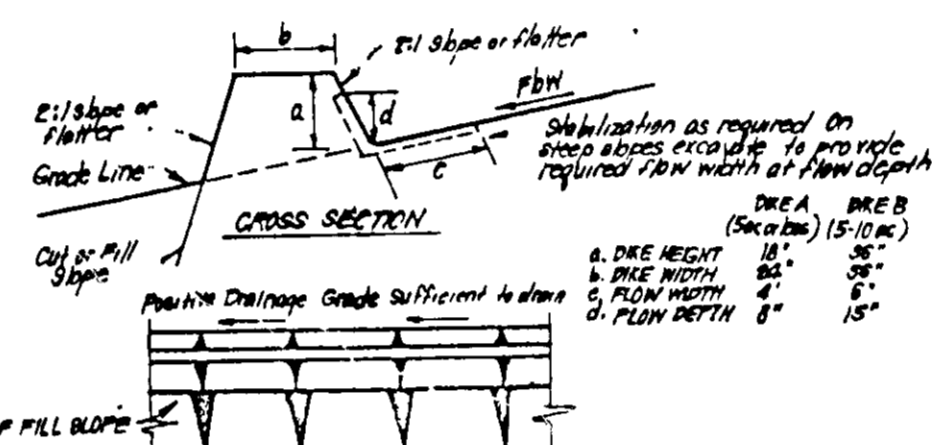
LOTS 66 & 67
 A RESUBDIVISION OF SECTION ONE
 LOT 14
 P/O PARCEL 263
 GTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE 1" = 30' OCT 30, 1987
 SHEET 1 OF 2



CONSTRUCTION SPECIFICATIONS:

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The root area shall be cleared.
- The fill material for the embankment shall be free of rocks and other woody material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- All cut and fill slopes shall be 2:1 or flatter.
- The slope used in the outlet shall be small rip rap 4"-8" with 1" thickness of 2" aggregate placed on the up-slope side of the small rip rap. An embankment 18" high with 18" of rip rap in place of compacted filter cloth.
- Sediment shall be removed and disposed in its original streambed with the sediment has accumulated to 1/2 the design depth of the trap.
- The structure shall be inspected after placement and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

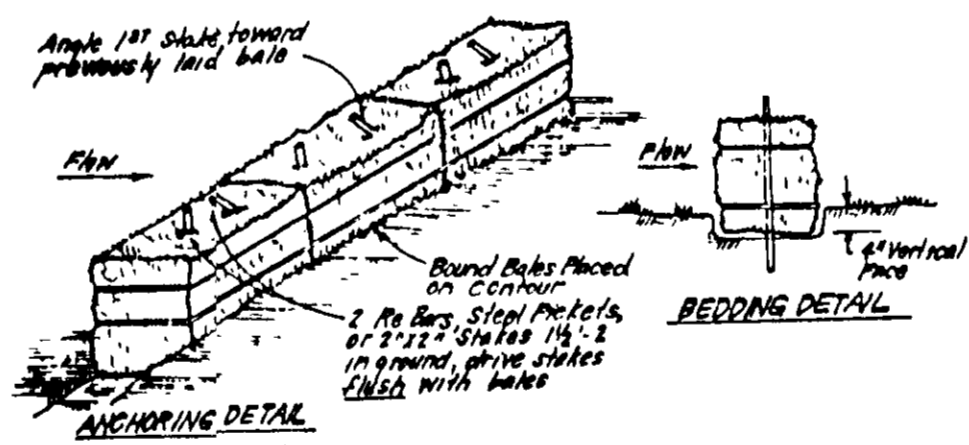
STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STV
NO SCALE



CONSTRUCTION SPECIFICATIONS:

- Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a simple residence 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 of the driveway or access.
- 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 entrance shall be directed across the entrance. If piping is impractical, a mounded berm with 3:1 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 or mulch. Sediment shall be removed and disposed of in its original streambed. All sediment shall be removed and disposed of in its original streambed. All sediment shall be removed and disposed of in its original streambed.
- Vegetation - Where it is to be removed, it shall be removed prior to construction and replaced with native vegetation or approved sod.
- Periodic inspection and needed maintenance shall be provided after each rain.

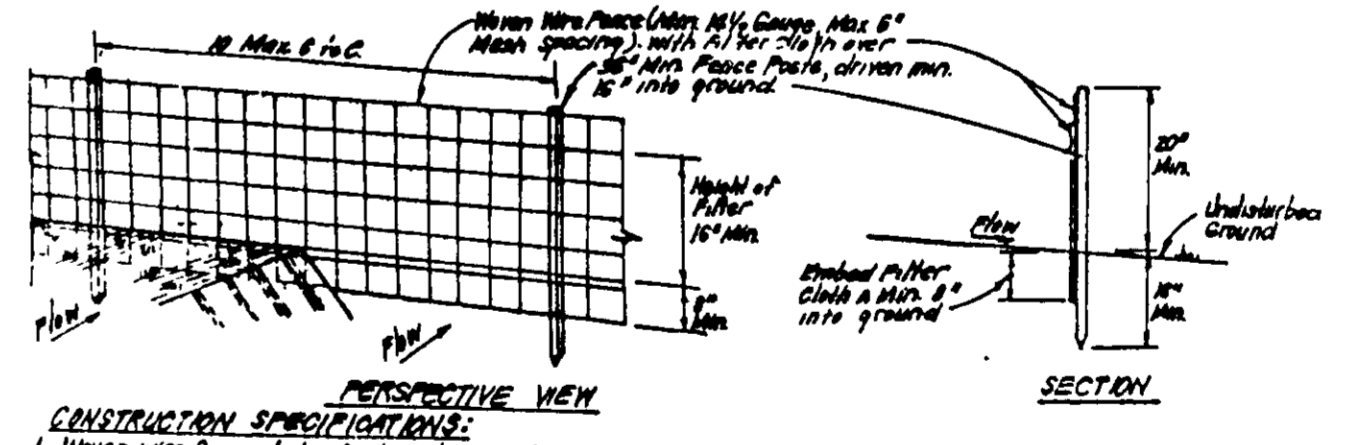
STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE



CONSTRUCTION SPECIFICATIONS:

- Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a min of 4" and placed so the binding are horizontal.
- Bales shall be securely anchored in place by either 2 spikes or re bars driven thru the bale.
- The 1st spike in each bale shall be driven through the previously laid bale at an angle to force the bales together. Spikes shall be driven flush with the bale.
- Inspection shall be frequent and repair/replacement shall be made promptly as needed.
- Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE DIKE DETAIL (SBD)
NO SCALE



CONSTRUCTION SPECIFICATIONS:

- Water will flow in the direction of the fence posts with wire mesh at 3:1 slopes.
- Filter cloth will be installed around the water flow.
- When 2 sections of filter cloth begin to touch they shall be fastened together.
- Maintenance shall be provided as needed and material removed when "blow" develop in silt fence.

POSTS: Steel, either T or H Type or 2" hardwood
FENCE: Nylon Wire, 1/4" Gauge
6" Max Mesh Opening
FILTER: Geotextile Filter, 100% and Substrate, 100% and 100% equal
PREFABRICATED UNIT: Geotextile Entrance, or other equal

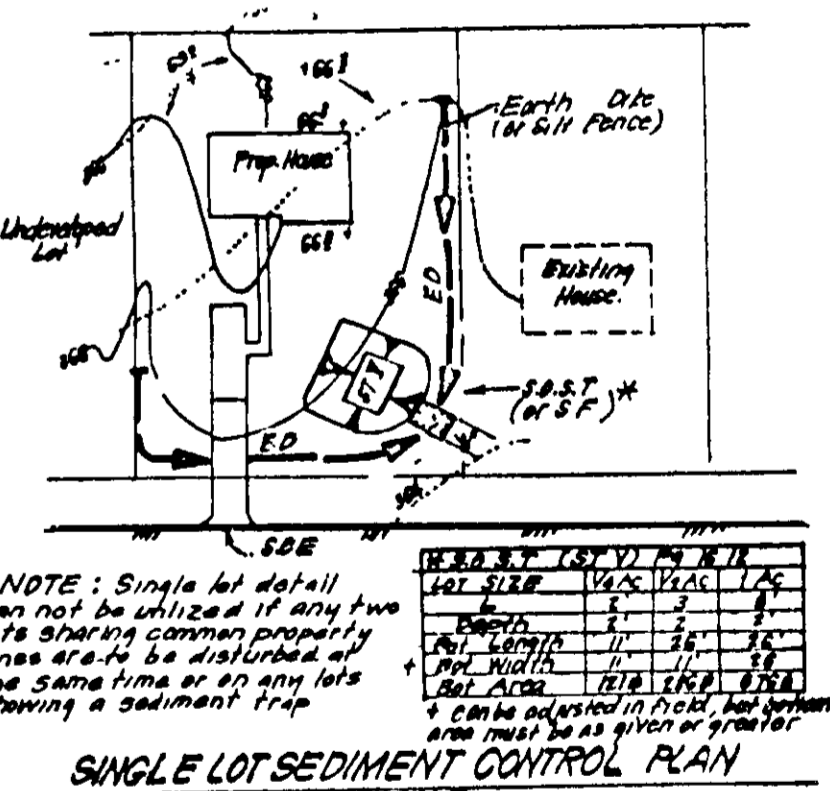
SILT FENCE DETAIL (S)
NO SCALE

- PERMANENT SEEDING NOTES**
- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Seeded 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:
- 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).
 - 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 50 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 (0.5 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 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**
- 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, 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 25 bushel per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs tall fescue per acre (0.7 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.
- SITE ANALYSIS NOTES**
- Minimum of 24-hour notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (991-2437).
 - 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 SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all permanent 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 located and warning signs posted around their perimeter 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. 33) and (Sec. 34), temporary seedings (Sec. 30) and mulching (Sec. 32). Temporary stabilization with mulch alone can only be done when recommended seedings rates 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	10.3 Acres
Area Disturbed	0.24 Acres
Area to be roofed or paved	0.01 Acres
Area to be vegetatively stabilized	787 Acres
Total Cut	308 Cu. Yds
Total Fill	308 Cu. Yds
Offsite waste/borrow area location	N/A
 - 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 DEP 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 permanent erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be withdrawn until this initial approval by the Inspection agency is made.
 - If houses are to be constructed on an "as-built" basis, all random, single lot Sediment Control as shown below shall be implemented.
 - All pipes to be blocked at the end of each day (see detail below). N/A
 - The total amount of straw bale dikes/all fence equals 290 L.F.

CONSTRUCTION SCHEDULE

Activity	No. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize	10
B. Excavate for foundations and Rough Grade of Removable Structure	787
C. Construct Structures, Sidewalks and Driveways	150
D. Final Grade and stabilize in accordance with S.D.S. & Specs.	18
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize	10



SINGLE LOT SEDIMENT CONTROL PLAN
NO SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

APPROVED FOR PLANNING AND ZONING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

LEGEND

- CONTOUR INTERVAL 2 FT.
- EXISTING CONTOUR -20'
- PROPOSED CONTOUR -20'
- SPOT ELEVATION +431.2
- DIRECTION OF DRAINAGE
- STRAW BALE DIKE OR SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

DEVELOPER'S CERTIFICATION

I 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 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 INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS AKE DEEMED NECESSARY.

SURVEYOR'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 DEPARTMENT OF PLANNING AND ZONING.

APPROVED FOR PLANNING AND ZONING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

SEDIMENT & EROSION CONTROL PLAN

"LONG MEADOW"

LOTS 66 & 67

A RESUBDIVISION OF SECTION ONE

LOT 14

TAX MAP 36 ZONING P-12 P/O PARCEL 263

6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE 1"=50'

OCT 24, 1987

SHEET 2 OF 2

SDP - 88 - 92