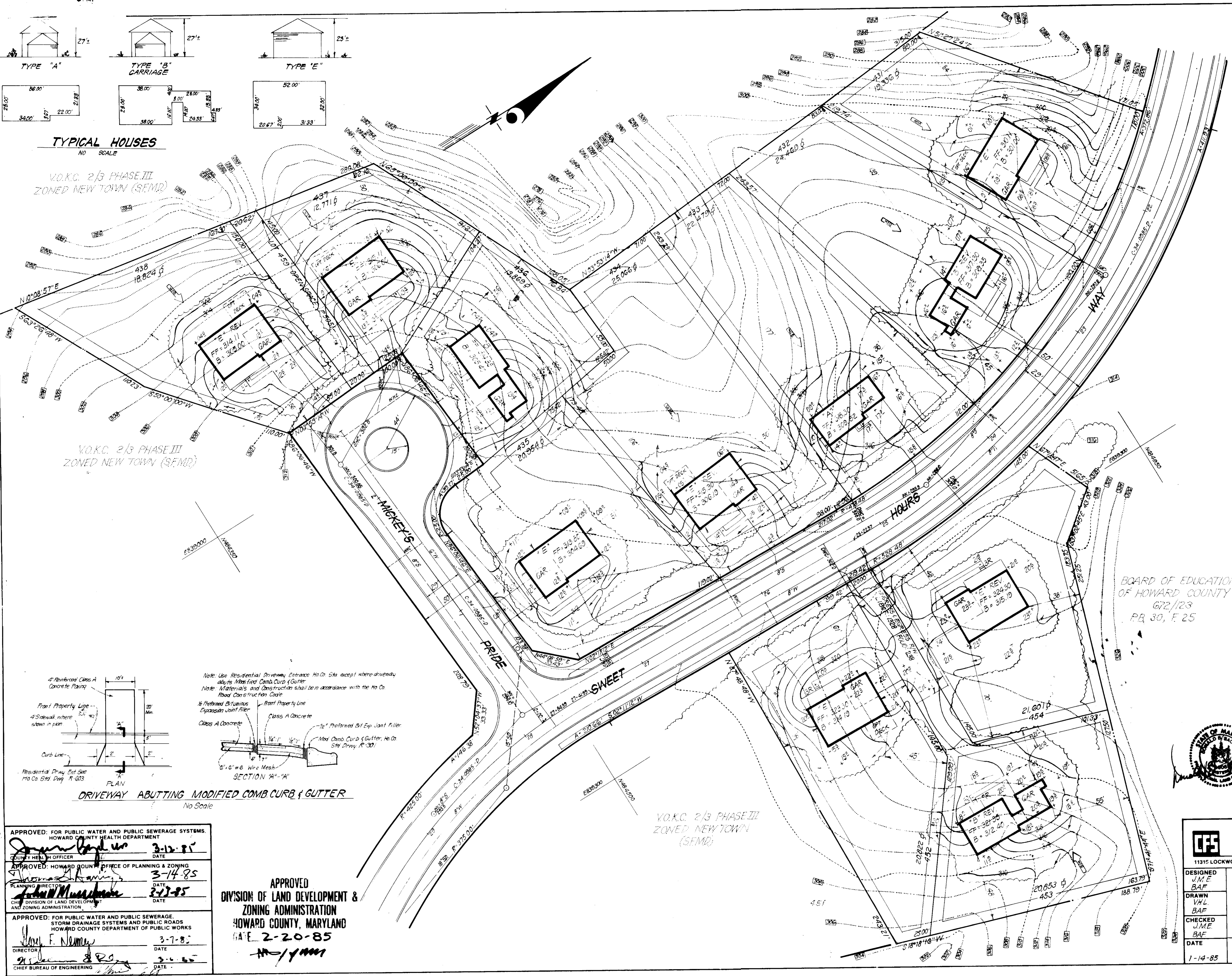
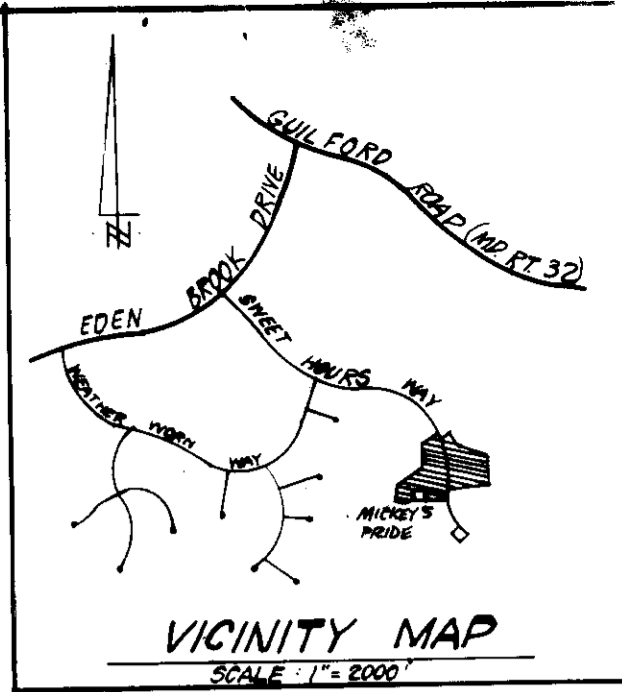


TYPICAL HOUSES
NO SCALE

V.O.K.C. 2/3 PHASE III
ZONED NEW TOWN (S.F.M.D.)

V.O.K.C. 2/3 PHASE III
ZONED NEW TOWN (S.F.M.D.)

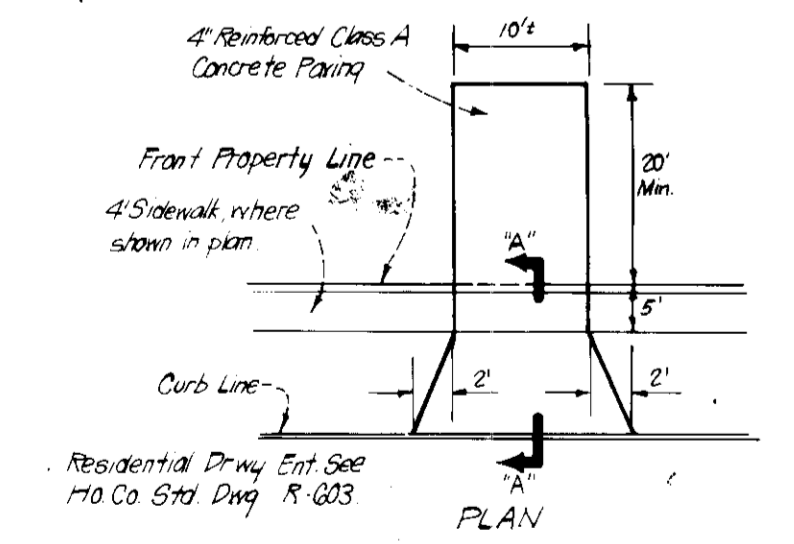


- LEGEND:**
- 1. Contour Interval 2 ft.
 - 2. Existing Contour
 - 3. Proposed Contour
 - 4. Spot Elevation
 - 5. Direction of Drainage
 - 6. Existing Trees to be Retained
 - 7. Walkout Basement

GENERAL NOTES:

1. The land included in this plan is zoned New Town (S.F.M.D.).
2. The lots shown on this plan are covered by Final Development Plan Phase 17B.
3. All coordinates shown herein are based on Howard County Geodetic Control Traverse which is based upon the Maryland State Plane Coordinates System.
4. The area covered is located on Tax Map 41442.
5. The total area included in this plan is 5.07 Acres.
6. All roadways are public and existing.
7. Any damage to County Owned rights-of-way or paving shall be corrected at the Developer's expense.
8. Total Number of Lots: 11

BOARD OF EDUCATION
OF HOWARD COUNTY
672/23
PR. 30, F. 25



Note: Use Residential Driveway Entrance No. Co. Site except where driveway abuts Modified Comb Curb & Gutter.
Note: Materials and Construction shall be in accordance with the Ho Co Road Construction Code.
1/2" Proformed Bitumastic Expansion Joint Filler
Class A Concrete
1/2" Proformed Bit Ep Joint Filler
Mod Comb Curb & Gutter, Ho Co Std Drwy, R-301

DRIVEWAY ABUTTING MODIFIED COMB CURB & GUTTER
No Scale

LOT	ADDRESS CHART
431	7650 Sweet Hours Way
432	7656 " "
433	7662 " "
434	7670 " "
435	7676 Mickey's Pride
436	7680 " "
437	7684 " "
438	7687 " "
452	7671 Sweet Hours Way
453	7665 " "
454	7661 " "

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL#
COL - VOKC - PHASE III	2/3	431-438 & 452-454

PLAT	BLOCK#	ZONE	TAX MAP	ELEC. DIST.	CONSTR.
6553 & 5051	137	2/3	41442	67th	6062

WATER CODE	SEWER CODE
E/B	63-0000

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 3-12-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 3-14-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 3-7-85

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 2-20-85



CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

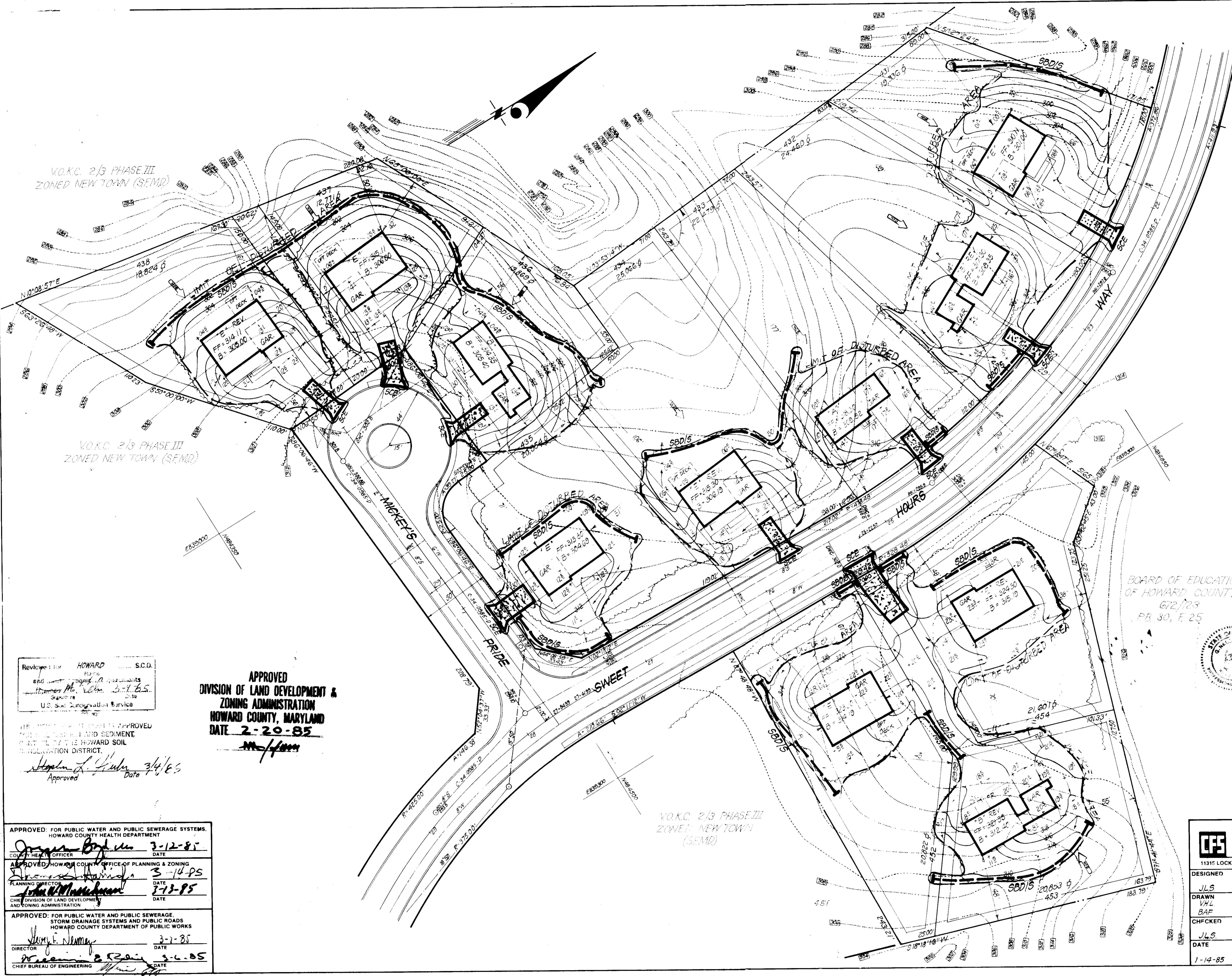
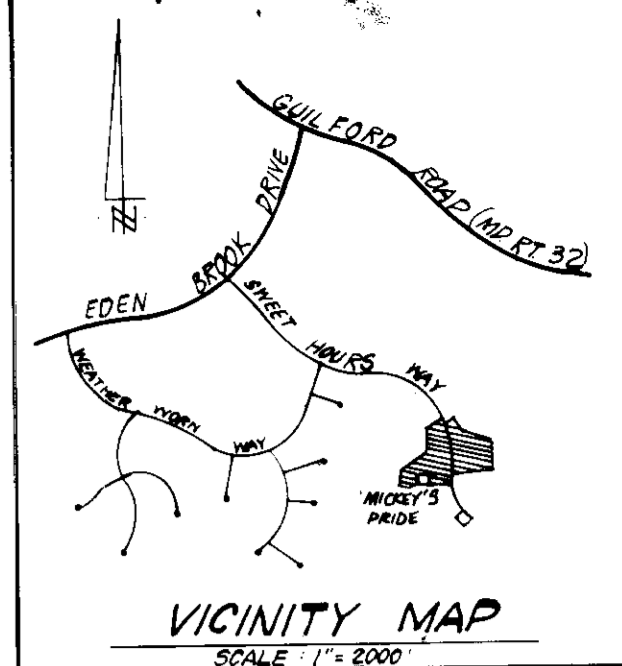
DESIGNED: J.M.E. BAF
DRAWN: V.H.L. BAF
CHECKED: J.M.E. BAF
DATE: 1-14-85

SITE DEVELOPMENT PLAN
LOTS 431 THRU 438 AND LOTS 452, 453, AND 454
COLUMBIA
VILLAGE OF KINGS CONTRIVANCE
SECTION 2, AREA 3, PHASE III
67th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1"=30'
DRAWING: 1 of 3
JOB NO.: 84-137
FILE NO.: 84-137 X

FOR: LUNDY & CLARK BUILDERS, INC.
PO Box 1018
Columbia, MD 21044

S.D.P. 85-118 C



- LEGEND:**
- 1 Contour Interval 2 Ft.
 - 2 Existing Contour
 - 3 Proposed Contour
 - 4 Spot Elevation
 - 5 Direction of Drainage
 - 6 Existing Trees to be Retained
 - 7 Walkout Basement
 - 8 Straw Bale Dike/Silt Fence
 - 9 Stone Construction Entrance

DEVELOPER/BUILDER'S CERTIFICATE

"We certify that all development and construction will be done according to the plan of development and plan for erosion and sediment control and that all responsible persons involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sedimentation 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."

David Humber 1-22-85
Signature of Developer/Builder Date

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my examination of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

G. Nelson Clark 1-22-85
Date



BOARD OF EDUCATION
OF HOWARD COUNTY
672/28
PB 30, F 25

SUBDIVISION NAME	COV - VOKC - PHASE III	SECT AREA	213	LOT PARCEL #	431-438 & 452-454
PLAT	5050 & 5051	BLOCK #	4142	TAX ZONE MAP	4142
WATER CODE	F16	SEWER CODE	63-0000	ELEC DIST	6TH
CENSUS TR					

Reviewed for HOWARD S.C.D. Planning and zoning requirements by *Mr. Robert S. B.S.* U.S. Soil Conservation Service

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 2-20-85

THIS PROJECT IS SUBJECT TO APPROVED EROSION AND SEDIMENT CONTROL PLAN OF THE HOWARD SOIL CONSERVATION DISTRICT.

Stephen L. Humber 3/4/85
Approved Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE 3-12-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 3-14-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 3-13-85

DIRECTOR DATE 3-1-85

CHIEF BUREAU OF ENGINEERING DATE 3-4-85

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED: JLS
DRAWN: VHL, BAF
CHECKED: JLS
DATE: 1-14-85

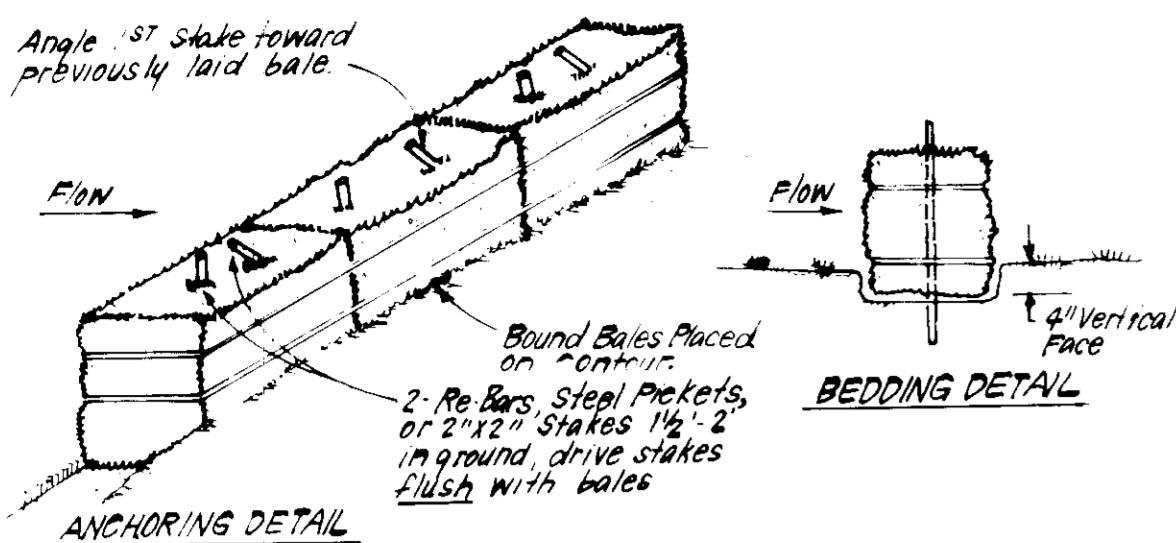
SCALE: 1"=30'
DRAWING: 2 of 3
JOB NO.: 84-137
FILE NO.: 84-137SE

FOR: LUNDY & CLARK BUILDERS, INC.
PO Box 1018
Columbia, MD 21044

SDP-85-118.

GENERAL NOTES

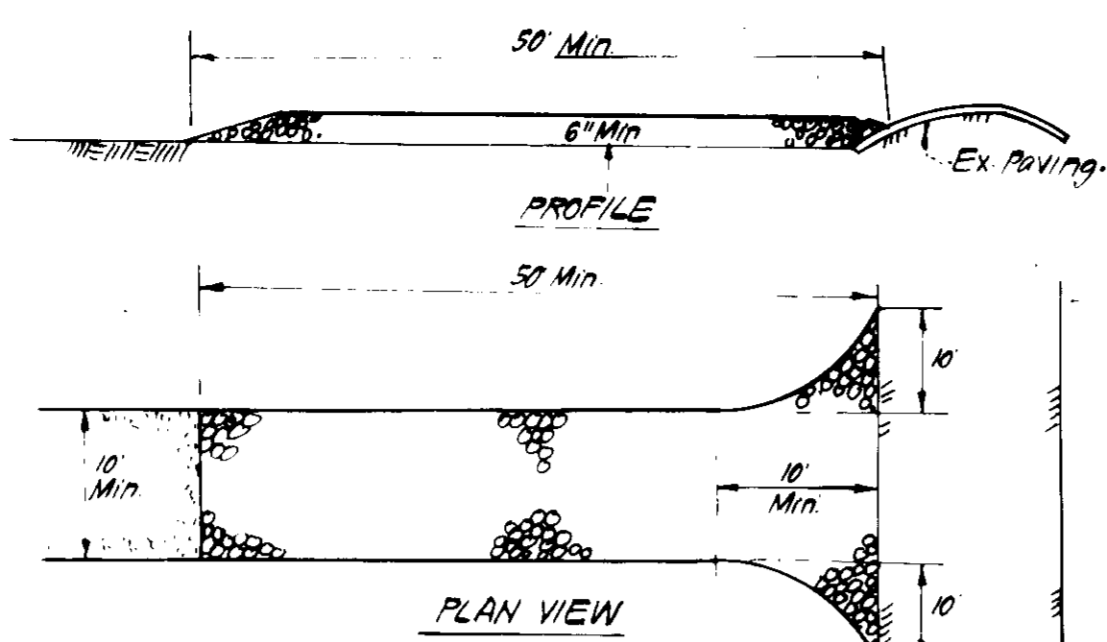
- Grading Permits shall be obtained prior to installation of sediment control.
- All Sediment Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of existing surface of site.
- Notify the Bureau of Inspections and Permits at least 24 hours before starting any work.
- All Sediment Control Practices to conform to the "Standards and Specs for Soil Erosion and Sediment Control in Developing Areas", and shall be adjusted to meet actual field conditions.
- All structural Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
- On site inspection and maintenance of all sediment control measures including clean-out of Sediment Traps and Dikes, and proper establishment of all planned vegetative measures will be the responsibility of the developer or his representative on the site, on a continuing day to day basis.
- It will be the developers responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
- The contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
- Approval of this plan is conditional upon the approval of Sediment Control Plan for the off site waste or borrow area prior to the import of any borrow or export of waste to or from this site.
- See Pages 51.01 - 51.08 of the Maryland State & Specs for Soil Erosion and Sediment Control for Permanent Seeding and Pages 50.01 - 50.05 for Temporary Seeding.
- As per OMMAR C.R.S. 01.06 -- "Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within (a) seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter ditches and all slopes greater than 3 horizontal to one vertical (3:1) and (b) fourteen days as to all other disturbed or graded areas on the project site."
- All Pipes to be blocked at the end of each day. See detail below. N/A
- The total amount of Straw Bale Dikes, Silt Fence shown = 1440 L.F.
- SITE ANALYSIS:**
 - Total Area: 5.074 Acres
 - Area to be Regraded: 0.453 Acres
 - Area to be Paved: 0.257 Acres
 - Area to be Seeded: 1.533 Acres
 - Area Undisturbed: 2.831 Acres
- CONSTRUCTION SEQUENCE:**
 - Install Sediment & Erosion Control Devices and stabilize
 - Excavate for foundations and rough grade
 - Construct structures, Driveways & sidewalks
 - Final Grade in accordance with note #10
- If houses are to be constructed on an "As-Bid" basis, at random single lot Sediment Control as shown below, shall be implemented.
- All sediment traps shown must be tested and warning signs posted around their perimeter in accordance with Vol. 1, Chap. 12, of the Howard Co. Design Manual for Storm Drainage.
- Fill = 5900 C.Y.
Cut = 1550 C.Y.



- 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 bindings are horizontal.
 - Bales shall be securely anchored in place by either 2 stakes or re bars driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bales.
 - 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



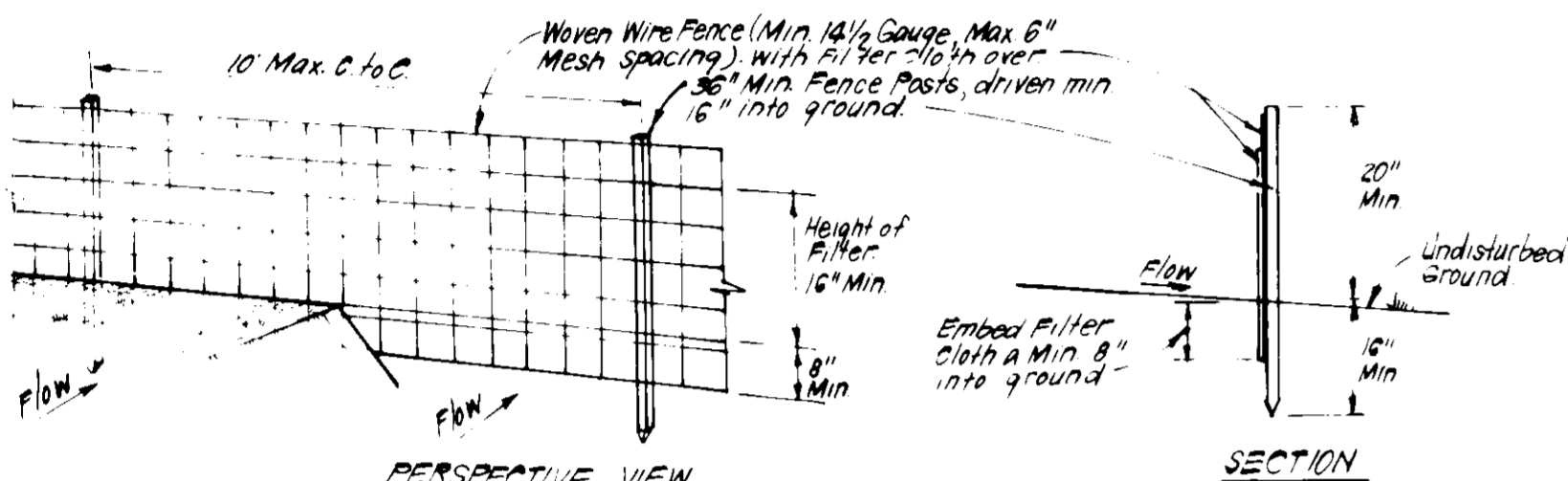
STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)

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 single residence lot) where a 30' min length would apply.
 - Thickness - Not less than 6"
 - Width - Ten foot min, but not less than the full width at point where impressif egress occur.
 - 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.
 - Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance.
 - 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. A repair and/or cleaning of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked into 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 on an area stabilized with stone and which drains into an approved sediment trapping device.
 - Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)

NO SCALE



SILT FENCE DETAIL (S)

NO SCALE

- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with wire ties spaced every 24" at top and mid section.
 - When 2 sections of filter cloth join each other they shall be overlapped by 6" and stapled.
 - Maintenance shall be performed as needed and material removed when "Bulges" develop in Silt Fence.
- POSTS:** Steel, either T or U Type or 2" hardwood.
- FENCE:** Woven wire, 1 1/2 gauge, 6" Max. Mesh Opening.
- FILTER CLOTH:** Filter, Min. 100% Stabilinks, T140N or Approx. equal.
- PREFABRICATED UNIT:** geotext, Envirofence or Approx. equal.

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, disking 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. 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).
- 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 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 (.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 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.

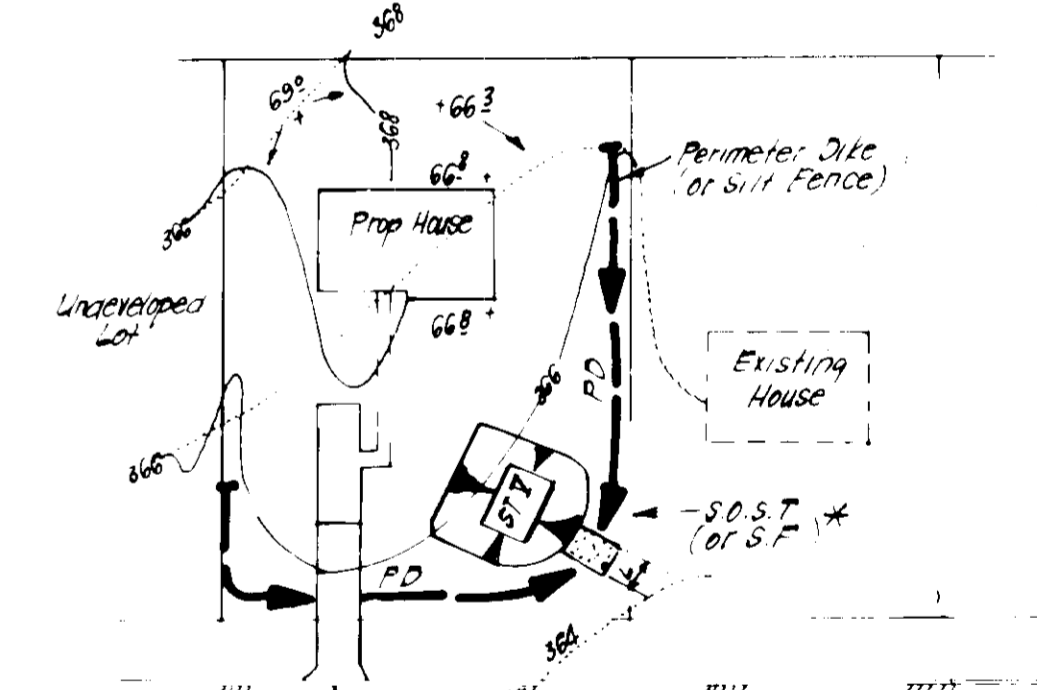
Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

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 2 1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 15, 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.



LOT SIZE	1/4 AC	1/2 AC	1 AC
Depth	2	2	2
Bot Length	11	26	26
Bot Width	11	11	26
Bot Area	121 sq ft	276 sq ft	676 sq ft

* Rate to be adjusted in field, but bottom area must be as given or greater.

SINGLE LOT SEDIMENT CONTROL PLAN

NO SCALE



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 Soil Conservation District.

G. Nelson Clark
Date: 2-27-85

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 Soil Conservation District.

HARRY L. LUNDY
Date: 2-27-85

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 3-12-85

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 3-14-85

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 3-1-85

CHIEF BUREAU OF ENGINEERING
DATE: 3-4-85

HOWARD COUNTY
DATE: 3-4-85
Approved: [Signature]

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11317 LOCKWOOD DRIVE SILVER SPRING MARYLAND 20904 (301) 593-3400

DESIGNED: JLS
DRAWN: KIW, BAF
CHECKED: JLS
DATE: JAN, 1985

SCALE: As Shown
DRAWING: 3 of 3
JOB NO: 84-137
FILE NO: 84-137.82

FOR: LINDY & CLARK BUILDERS
PO BOX 1018
Columbia, Maryland 21044

S.D.P. 85-118 C