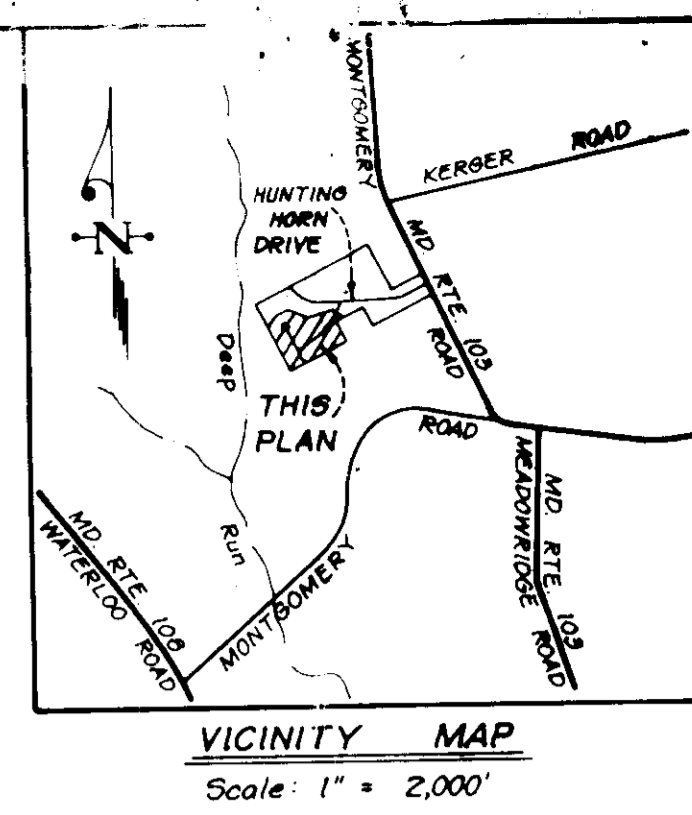
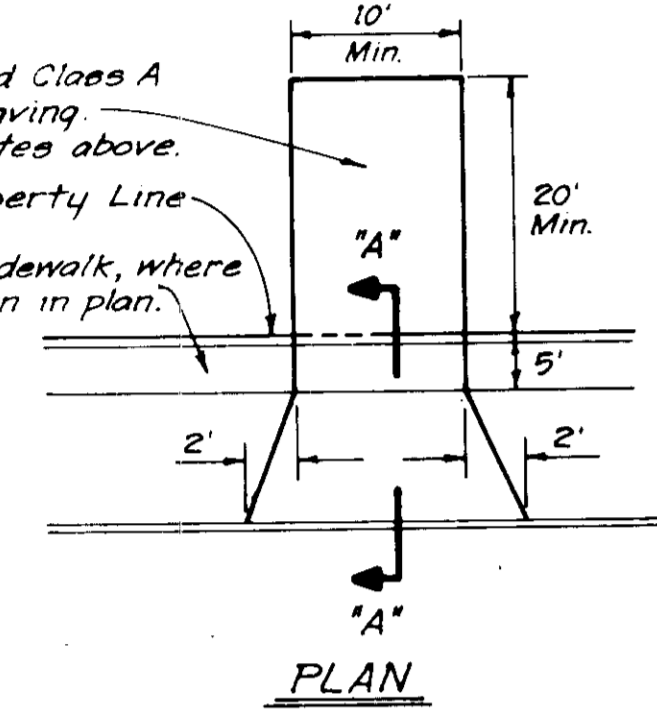


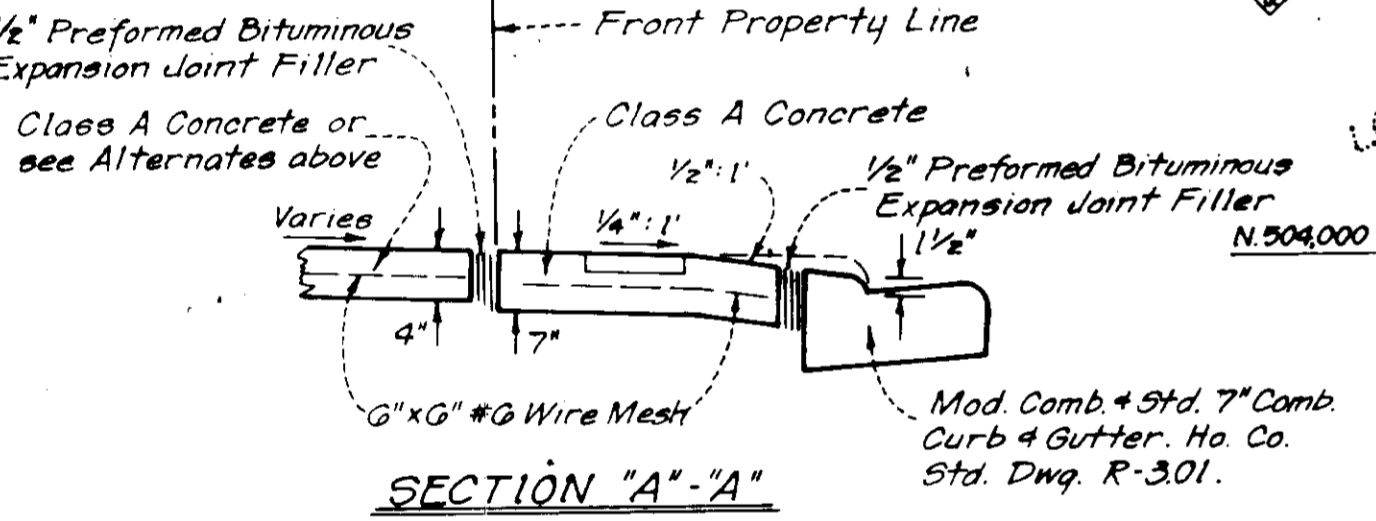
LOT NO.	ADDRESS
28	5506 Fox Tail Lane
29	5510 "
30	5514 "
31	5518 "
32	5522 "
46	5533 "
47	5529 "
48	5525 "
49	5521 "
50	5517 "
51	5513 "
52	5509 "
53	5505 "



- Alternate #1**  
1" Bit. Conc. Surface  
2" Bit. Conc. Base  
3" Gravel
- Alternate #2**  
1" Bit. Conc. Surface  
4" Bit. Conc. Base  
3" Gravel
- Alternate #3**  
1" Bit. Conc. Surface  
3" Bit. Conc. Base  
3" Gravel



Note: Materials and Construction shall be done in accordance with Ho. Co. Road Construction Code.



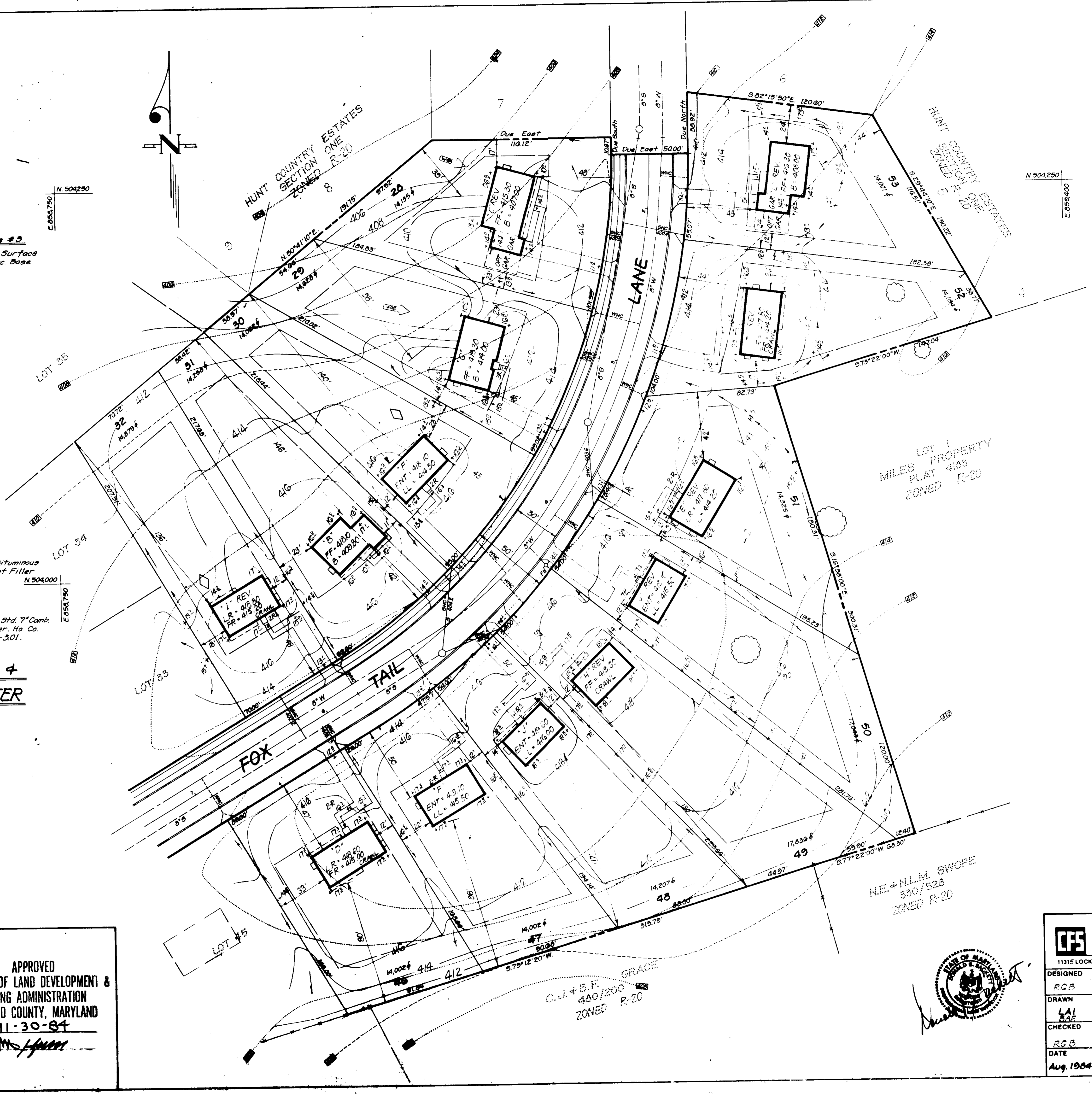
**DRIVEWAY ABUTTING MOD. COMB. + STANDARD 7" COMB. CURB + GUTTER**

- LEGEND**
- Contour Interval 0.2 Ft.
  - Existing Contour
  - Proposed Contour
  - Spot Elevation
  - Direction of Drainage
  - Walk Out Basement
  - Walk Out Basement - Split Level or Split Payer

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED  
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 11-30-84

CHIEF BUREAU OF ENGINEERING



- GENERAL NOTES:**
- The land included in this plan is zoned R-20.
  - All coordinates are based on Howard County Control Stations Nos. 2744005 and 2744006-R.
  - The total area included in this plan is 3.086 Acres.
  - All roadways are public and existing.
  - Any damage to county owned rights-of-way shall be corrected at the developer's expense.
  - Total Number of Lots: 26
  - The contractor or developer shall contact the Construction Inspection/Survey Division 24 hrs in advance of commencement of work at 792-7272.

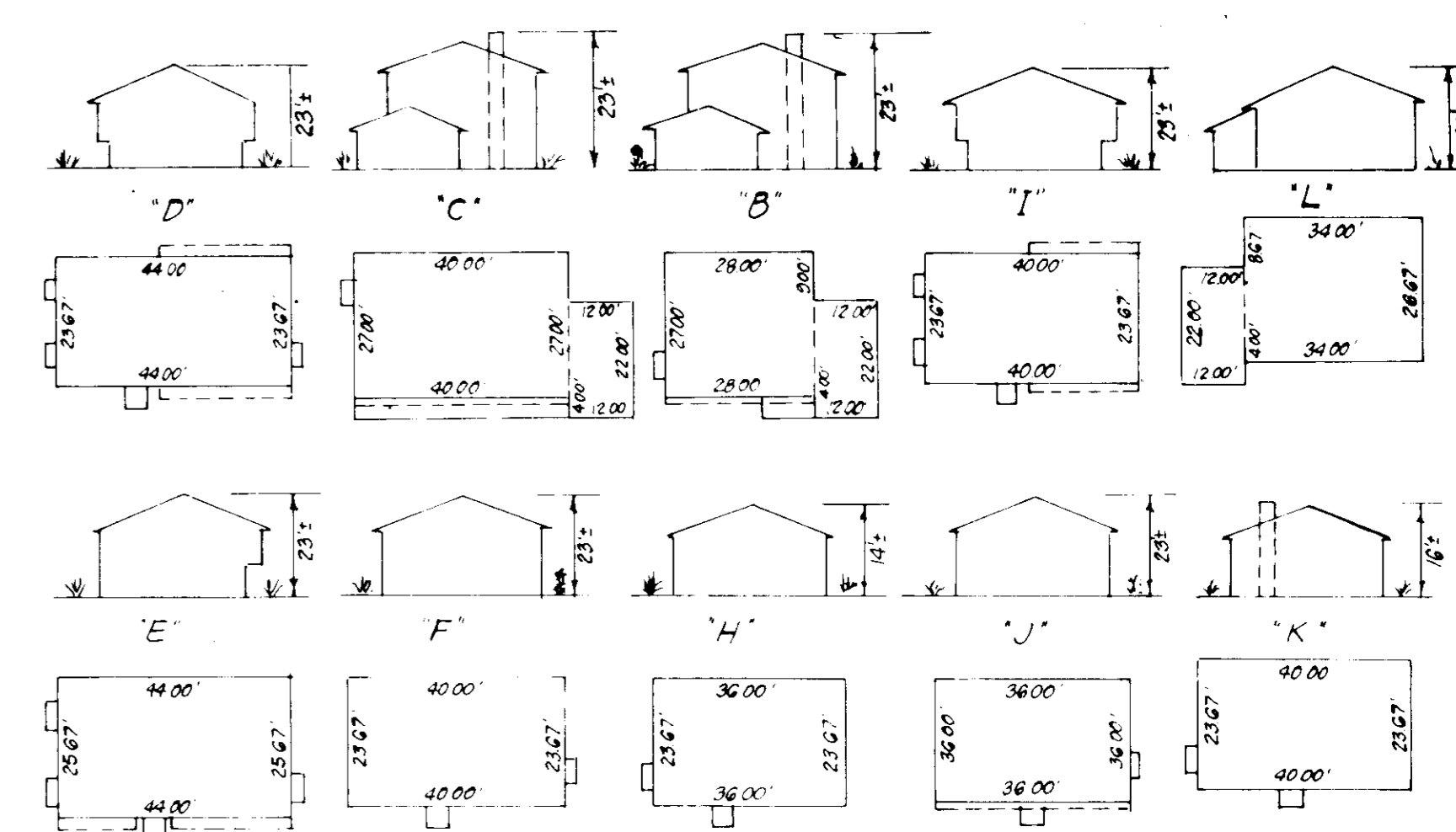
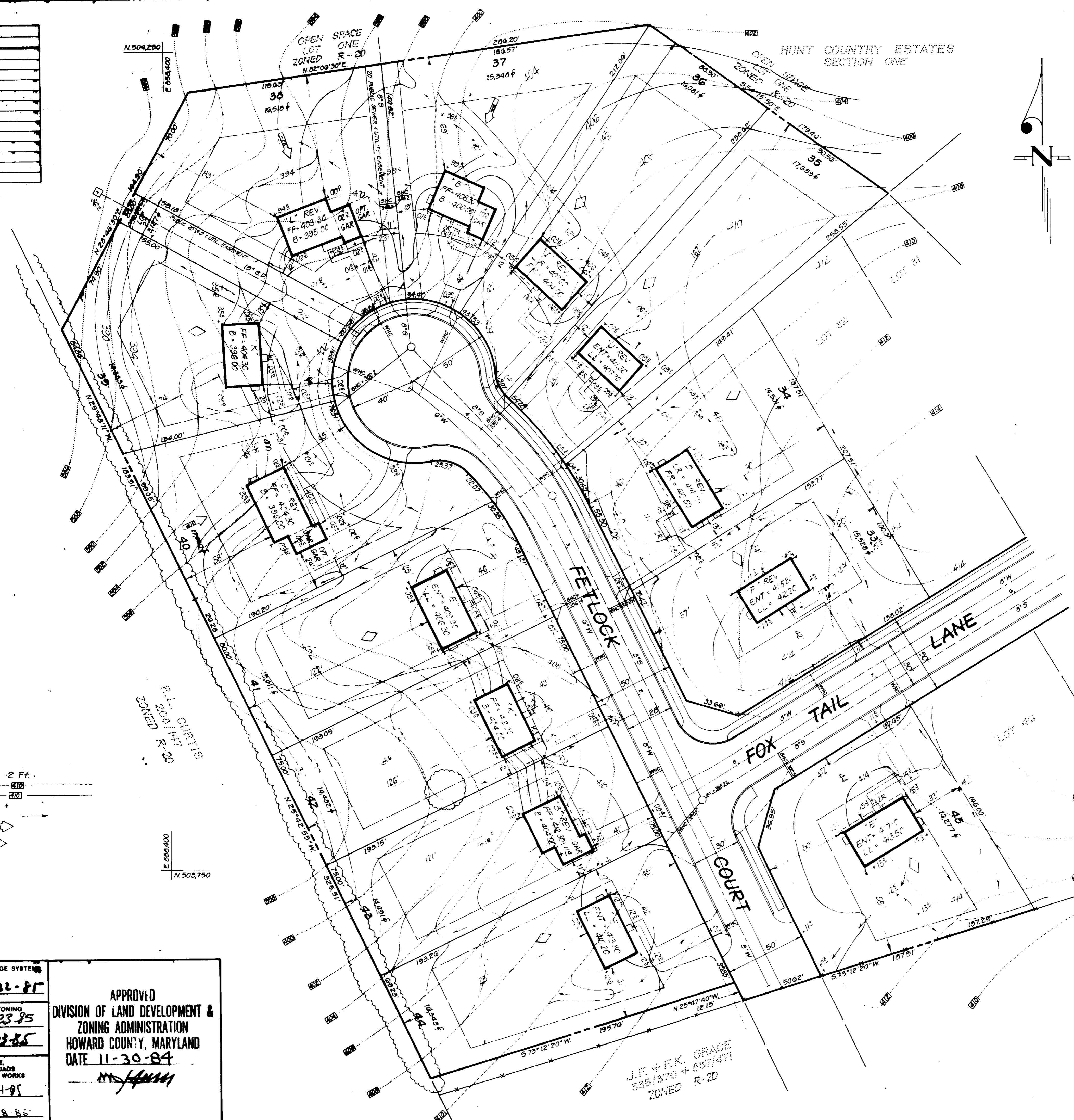
SUBDIVISION NAME HUNT COUNTRY ESTATES	SECT/AREA SECT TWO 29-32.46-53	LOT/PARCEL #
PLAT # OF L.F. BLOCK # 6121	ZONE R-20	TAX/ZONE MAP/ELEC. DIST./DENSUS TR. #3 2 3 1 1ST 6011
WATER CODE 008	SEWER CODE 2180000	

**CLARK · FINEFROCK & SACKETT**  
 ENGINEERS · PLANNERS · SURVEYORS  
 11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 (301) 583-3400

DESIGNED RGB	SITE DEVELOPMENT PLAN AND SEDIMENT AND EROSION CONTROL PLAN LOTS 28 THRU 53 <b>HUNT COUNTRY ESTATES</b> SECTION TWO 18 <sup>TH</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN LAI		DRAWING 1 of 5
CHECKED RGB		JOB NO. 04-059
DATE Aug. 1984	For: The W. A. Kehoe Company One Knoll North Drive Columbia, Maryland 21043	FILE NO. 04-059 K



ADDRESS	CHART
5326	FOX TAIL LANE
8054	FELLOCK COURT
8058	"
8062	"
8066	"
8070	"
8071	"
8067	"
8063	"
8059	"
8058	"
8051	"
5337	FOXTAIL LANE



TYPICAL HOUSES  
NO SCALE

**LEGEND**

1. Contour Interval 2 Ft.
2. Existing Contour
3. Proposed Contour
4. Spot Elevation
5. Direction of Drainage
6. Walk Out Basement
7. Walk Out Basement - Split Level or Split Foyer

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* 1-22-85  
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*[Signature]* 1-23-85  
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 1-21-85  
DATE

CHIEF BUREAU OF ENGINEERING  
*[Signature]* 1-18-85  
DATE

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 11-30-84  
*[Signature]*



SUBDIVISION NAME	SECT./AREA LOT/PARCEL #
HUNT COUNTRY ESTATES	SECT TWO 27, 33-45
PLAT OF L/F	BLOCK # ZONE TAX ZONE MAR/LEG DIST/CEN/UG TR
02	20 R-20 #31 P.137 1B1 R/W
WATER CODE	SEWER CODE
D08	2780000

<b>CLARK · FINEROCK &amp; SACKETT</b> ENGINEERS · PLANNERS · SURVEYORS 11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 583-3400		
DESIGNED RGB	SITE DEVELOPMENT PLAN AND SEDIMENT AND EROSION CONTROL PLAN LOTS 20 THRU 53	SCALE 1" = 80'
DRAWN LAI		DRAWING 2 of 5
CHECKED RGB	HUNT COUNTRY ESTATES SECTION TWO 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 04-000
DATE Aug. 1984		FILE NO. 04-000

For: The W. A. Kehoe Company  
One Knoll North Drive  
Columbia, Maryland 21043

NOTE:  
 Ex. Sediment Basin to be utilized. See previously approved plans F84-153. No site grading to take place until ex. Sediment Basin and S.W.M. Pond is in place and functioning.

TRAP #2 SOST (ST-V)  
 DA = 10 Acre  
 Storage Required = 10 x 1800 = 1800 cf  
 Storage Provided = 1800 cf  
 Depth = 3'  
 Top of Stone Crest = 3870  
 Bottom Elevation = 3840  
 Cleanout Elevation = 3855  
 Bottom Dimension = 44' x 6'

TRAP #1 SOST (ST-V)  
 DA = 10 Acre  
 Storage Required = 10 x 1800 = 1800 cf  
 Storage Provided = 1800 cf  
 Depth = 3'  
 Top of Stone Crest = 3980  
 Bottom Elevation = 3950  
 Cleanout Elevation = 396.5  
 Bottom Dimension = 44' x 6'

**LEGEND**

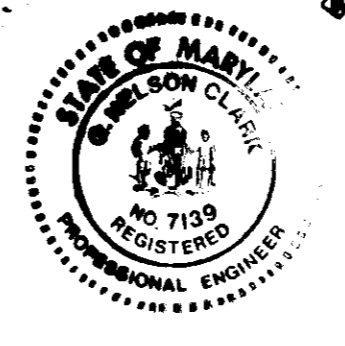
1. Contour Interval 2 Ft.
2. Existing Contour (10)
3. Proposed Contour (40)
4. Spot Elevation
5. Direction of Drainage →
6. Walk Out Basement (W.B.)
7. Walk Out Basement - Split Level or Split Payer (W.B.S.)
8. Earth Dike (E.D.)
9. Straw Bale Dike/Silt Fence (S.B.D.S.)

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT  
 DATE 1-22-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DATE 1-23-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE 1-31-85

APPROVED  
 DIVISION OF LAND DEVELOPMENT  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 11-30-84



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 10-31-84

Reviewed for Howard S.C.D. Name and meets Technical Requirements  
 Signature Date  
 U.S. Soil Conservation Service

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

Stephen L. Kehoe  
 APPROVED DATE

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 erosion and sediment 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 on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."  
 Signature of Developer/Builder Date  
 Walter A. Kehoe October 1984

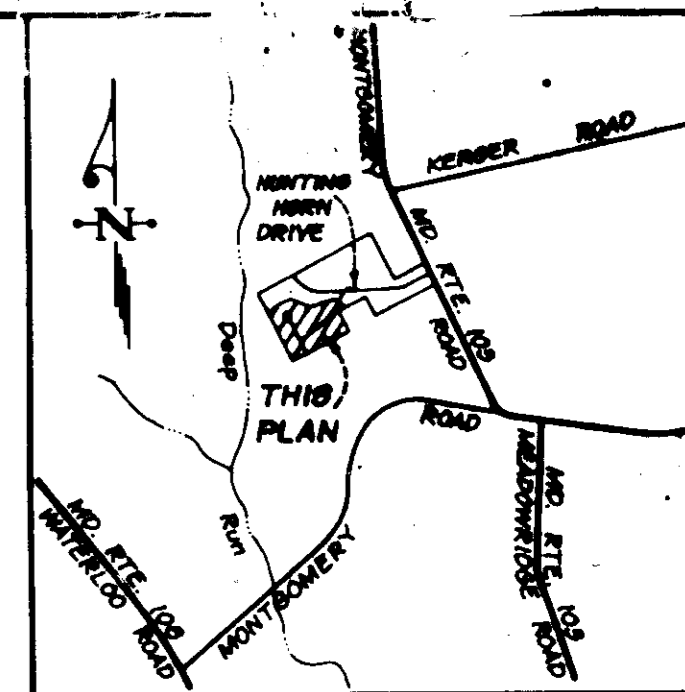
SUBDIVISION NAME	SECT./AREA LOT/PARCEL #
HUNT COUNTRY ESTATES	SECT. TWO 27, 35-45
PLAT or L/F	BLOCK # ZONE TAX/ZONE MAR.ELEC. DIST. CENSUS TR.
20	R-20 #31 P.197 1E1
WATER CODE	SEWER CODE
D05	

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

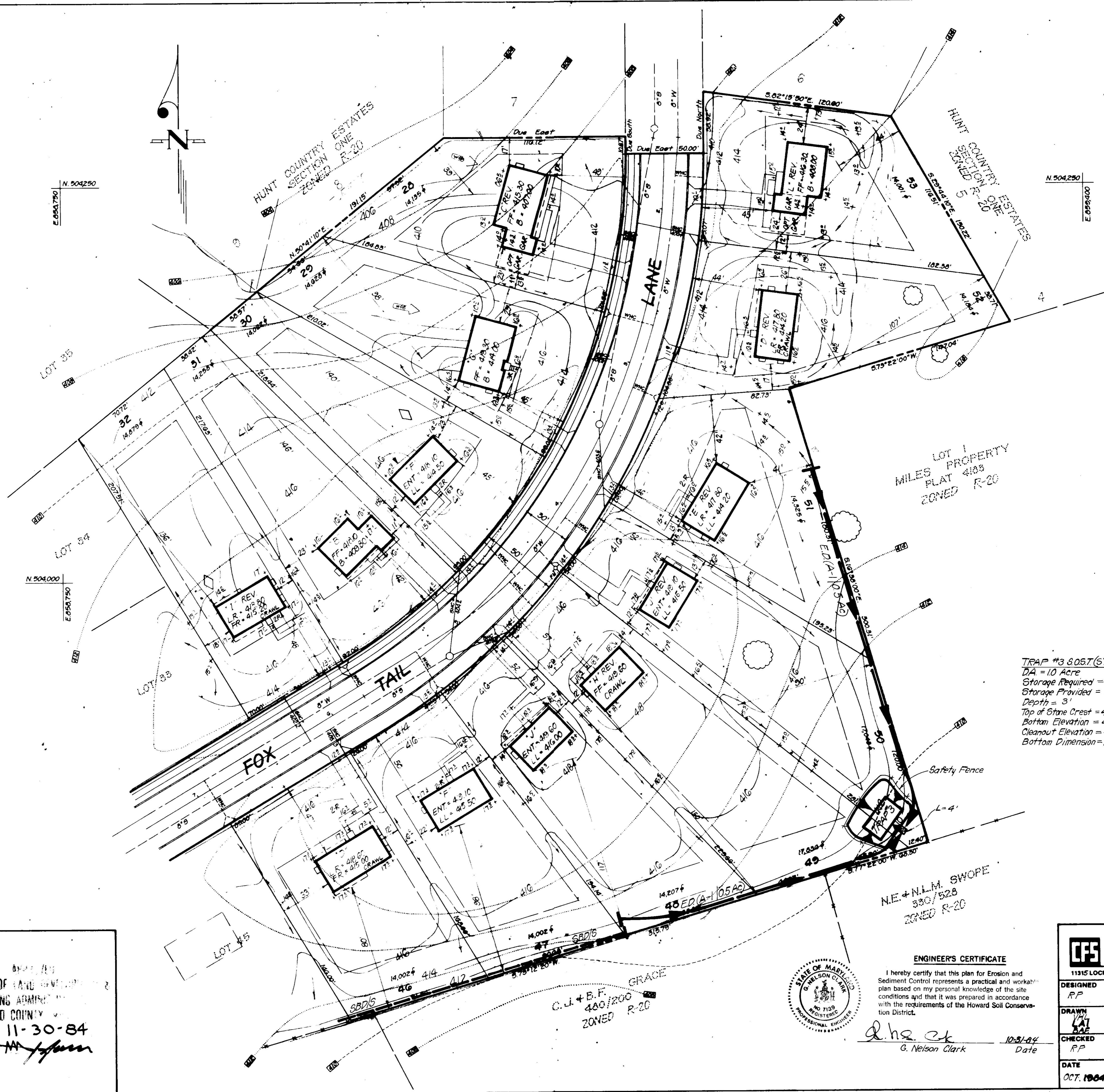
DESIGNED	SCALE
RF	1" = 30'
DRAWN	DRAWING
RF	3 of 3
CHECKED	JOB NO.
RF	84-088
DATE	FILE NO.
OCT 1984	84-088-5E

For: The W. A. Kehoe Company  
 One Knoll North Drive  
 Columbia, Maryland 21045

SDP-85-82



VICINITY MAP  
Scale: 1" = 2,000'



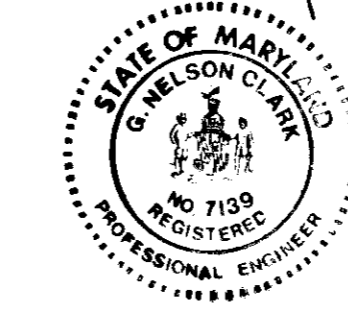
TRAP #3 8057 (ST V)  
DA = 10 Acre  
Storage Required = 10 x 18000 = 1800 cf  
Storage Provided = 1800 cf  
Depth = 3'  
Top of Stone Crest = 410.0  
Bottom Elevation = 407.0  
Cleanout Elevation = 408.5  
Bottom Dimension = 14' x 24'

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 erosion and sediment 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 on-site inspection by the Howard Soil Conservation District or their authorized Agents, as are deemed necessary."

*Walter A. Kehoe* October 1984  
Signature of Developer/Builder Date

N.E. + N.L.M. SWOPE  
530/528  
ZONED R-20

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* 10-31-84  
G. Nelson Clark Date



SUBDIVISION NAME	DECT./AREA	LOT/PARCEL #
HUNT COUNTRY ESTATES	DECT. TWO	28-32, 40-53
PLAT # or L.P. BLOCK #	ZONE	TAX ZONE MAP/ELEC. DIST. DENRUS TR
20	R-20	#31 P.197 1ST
WATER CODE		SEWER CODE

**CLARK · FINEFROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS  
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 (301) 583-3400

DESIGNED: R.P.  
DRAWN: V.A.T.  
CHECKED: R.P.  
DATE: OCT. 1984

SCALE: 1" = 80'  
DRAWING: 4 of 5  
JOB NO.: 04-099  
FILE NO.: 04-099

FOR: The W. A. Kehoe Company  
One Knoll North Drive  
Columbia, Maryland 21043

SDP-85-82

Reviewed for: Howard S.C.D.  
Name  
meets Typical Requirements  
Date  
U.S. Soil Conservation Service

APPROVED  
DATE

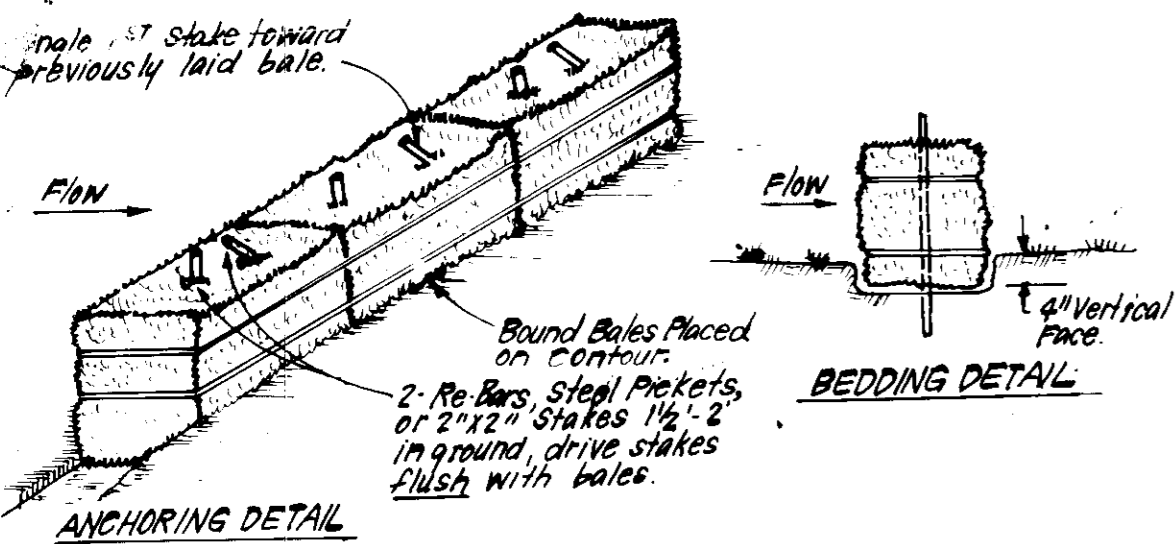
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*James Boyd* 1-22-85  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*James Boyd* 1-23-85  
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James Boyd* 1-21-85  
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING  
*James Boyd* 1-18-85  
DATE

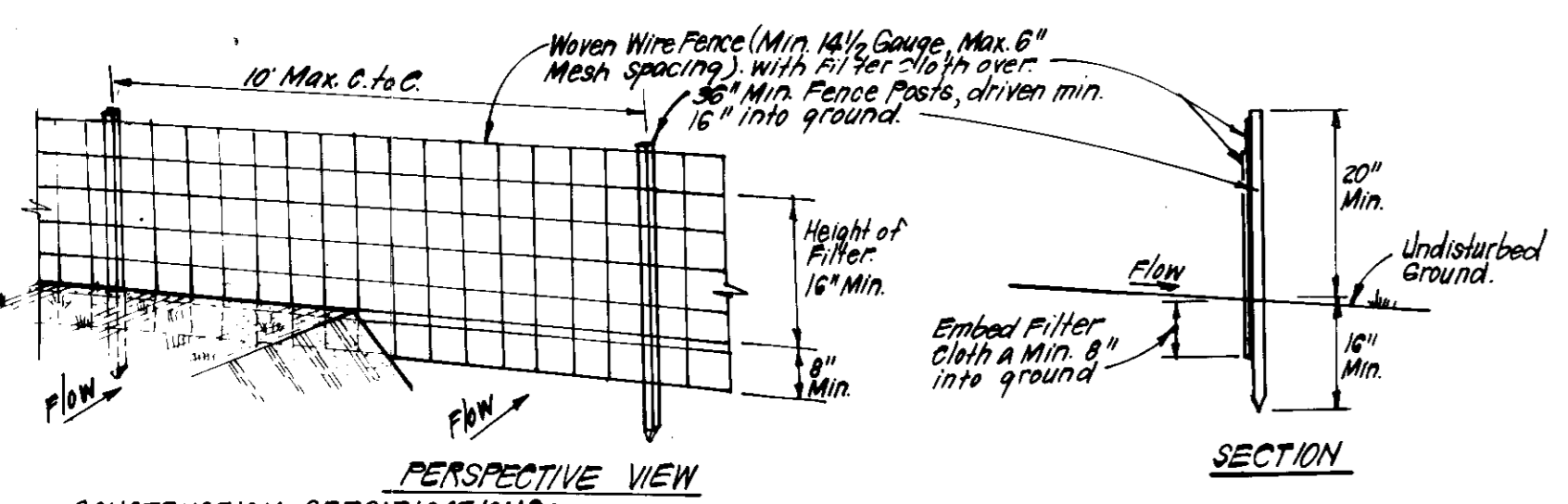
DIVISION OF LAND DEVELOPMENT  
ZONING ADMINISTRATION  
HOWARD COUNTY  
DATE 11-30-84



**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 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

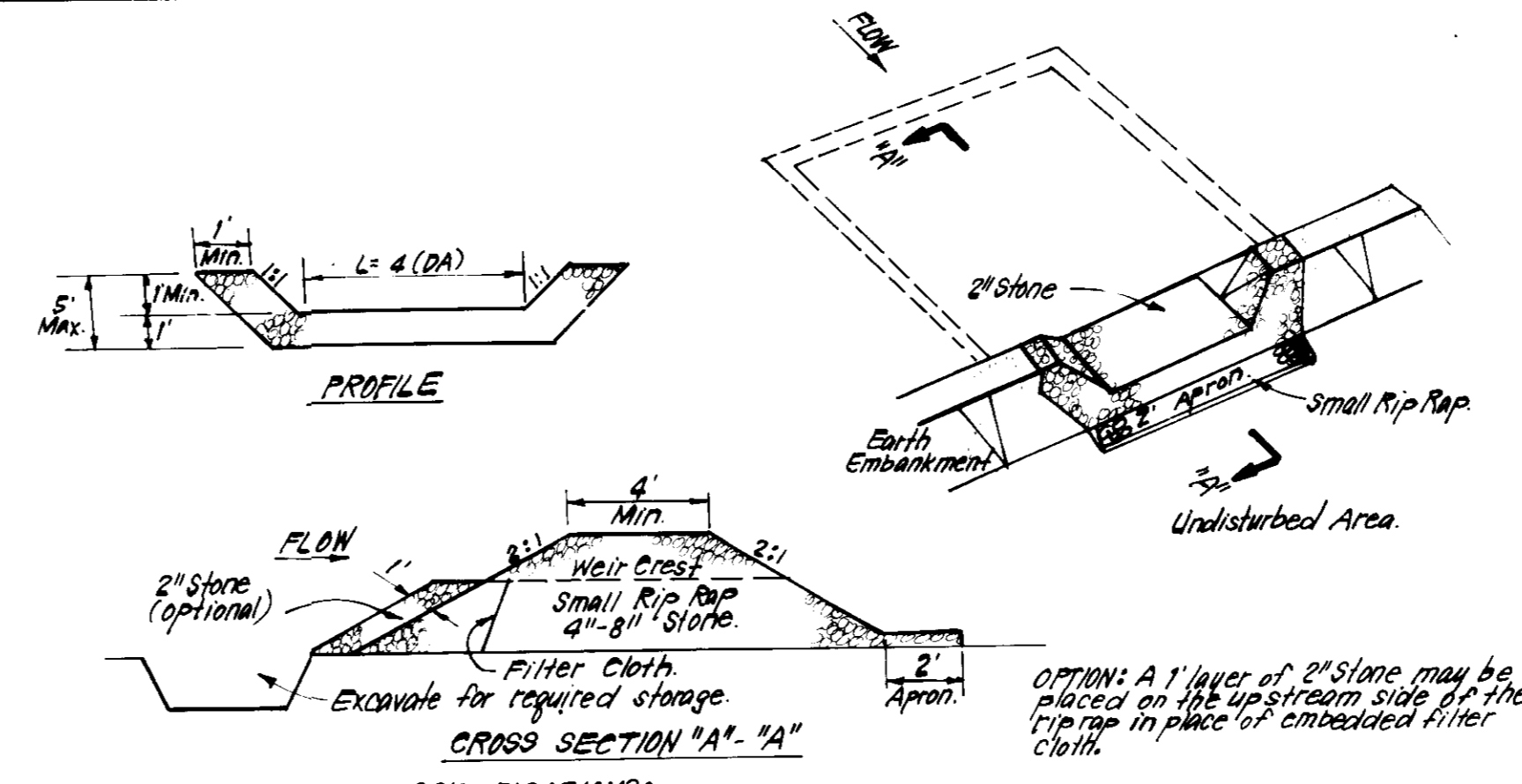


**CONSTRUCTION SPECIFICATIONS:**

- 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 ties spaced every 24" at top and mid section.
- When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.
- 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, 14 1/2 Gauge, 6" Max. Mesh Opening.  
 FILTER CLOTH: Filter-X, Mirafix 100X, Stabilink, T140N or Approx. equal.  
 PREFABRICATED UNIT: Geofab, Envirofence, or Approx. equal.

**SILT FENCE DETAIL (S)**  
 NO SCALE



**CONSTRUCTION SPECIFICATIONS:**

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The top area shall be cleared.
- The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable 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 stone used in the outlet shall be small rip rap 4" - 8" along with 1" thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
- The structure shall be inspected after each rain 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

**GENERAL NOTES**

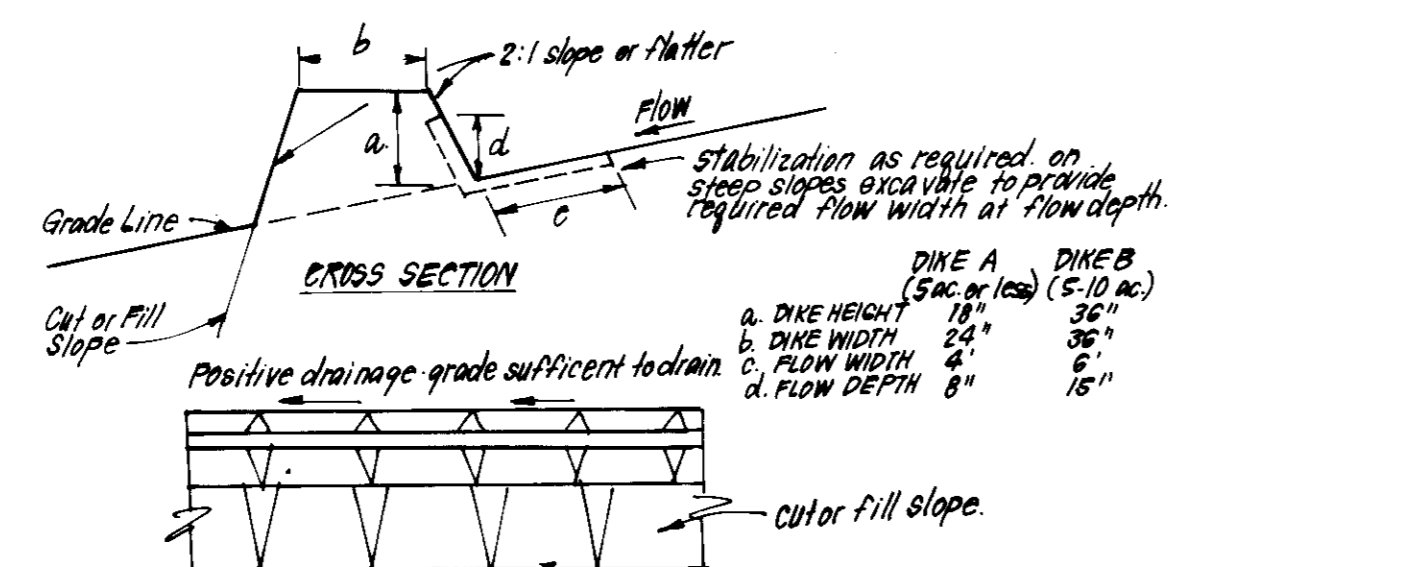
- Grading Permits shall be obtained prior to installation of sediment control.
  - All Sediment Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of existing surface of site.
  - Notify the Bureau of Inspections and Permits at 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 developer's 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 impact of any borrow or export of waste to or from this site.
  - See Pages 51.01 - 51.08 of the Maryland Stds & Specs. for Soil Erosion and Sediment Control for Permanent Seeding and Pages 50.01 - 50.05 for Temporary Seeding.
  - As per C.D.M.A.R. 08.05.01.06 - Following initial soil disturbance or redisturbance, permanent or temp. stabilization shall be completed within: (a) seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, 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).
  - The total amount of Straw Bale Dikes/Silt Fence shown = 345 L.F.
- 14. SITE ANALYSIS:**
- |                       |       |       |
|-----------------------|-------|-------|
| A. Total Area:        | 9076  | Acres |
| B. Area to be Roped:  | 0.643 | Acres |
| C. Area to be Paved:  | 0.302 | Acres |
| D. Area to be Seeded: | 7.752 | Acres |
| E. Area Unstabilized: | 0.372 | Acres |
- 15. 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.
16. IP Houses are to be constructed on an "As-Sold" basis, at random, single lot Sediment Control, as shown below, shall be implemented.
17. All sediment traps shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chap. 12, of The Howard Co. Design Manual for Storm Drainage.

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 11-30-84

Reviewed for: Howard  
 Name  
 add meets Technical Requirements  
 Date 1-7-85  
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED  
 FOR SOIL EROSION AND SEDIMENT  
 CONTROL BY THE HOWARD SOIL  
 CONSERVATION DISTRICT.  
 Approved  
 Date 11/18/85

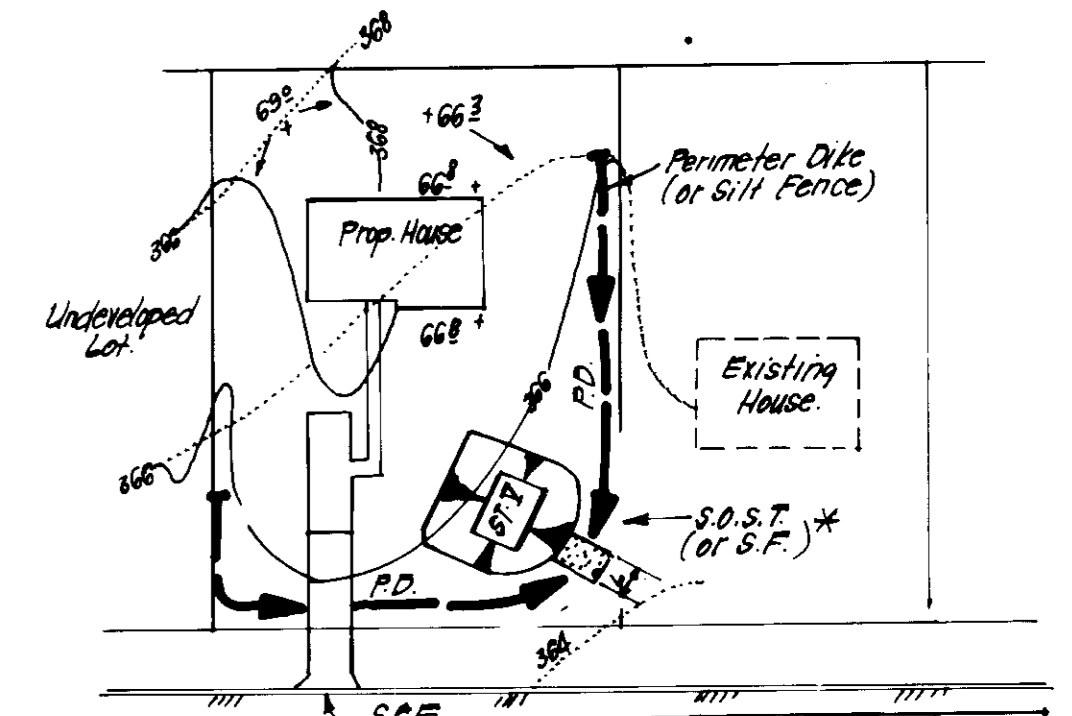
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 DATE 1-22-85  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING,  
 DATE 1-23-85  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE 1-21-85  
 DATE 1-18-85



**CONSTRUCTION SPECIFICATIONS:**

- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
- Field location should be adjusted as needed to utilize a stabilized safe outlet.
- Earth dikes shall have an outlet that functions with a min. of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike or the drainage area above the dike are not adequately stabilized.
- Stabilization shall be: (A) in accordance with the Stds & Specs. for Seed and Straw Mulch if not in seeding season (B) flow channel as per Silt Detail ED-1, pg 10.03 of the Stds & Specs.

**EARTH DIKE DETAIL (ED)**  
 NO SCALE



S.O.S.T. (STV) # 18-12	
LOT SIZE	1/4 AC
DEPTH	2'
TOP WIDTH	11"
BOT WIDTH	26"
BOT AREA	121# 8 1/2# 675#

\* can be adjusted in field, but bottom area must be as given or greater.

**SINGLE LOT SEDIMENT CONTROL PLAN**  
 NO SCALE

**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 erosion and sediment 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 on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."  
 Signature of Developer/Builder: Walter A. Kehoe  
 Date: October 1984

**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.  
 Signature: G. Nelson Clark  
 Date: 10-31-84



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

DESIGNED: RP  
 DRAWN: LAI  
 BAF  
 CHECKED: RP  
 DATE: Oct., 1984

SCALE: 1"=30'  
 DRAWING: 5 of 5  
 JOB NO.: 84-053  
 FILE NO.: 84-053SE

SEDIMENT AND EROSION CONTROL PLAN  
 LOTS 28 THRU 53  
**HUNT COUNTRY ESTATES**  
 SECTION TWO  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

For: The W.A. Kehoe Company  
 One Knoll North Drive  
 Columbia, Maryland 21045

SDP-85-82