

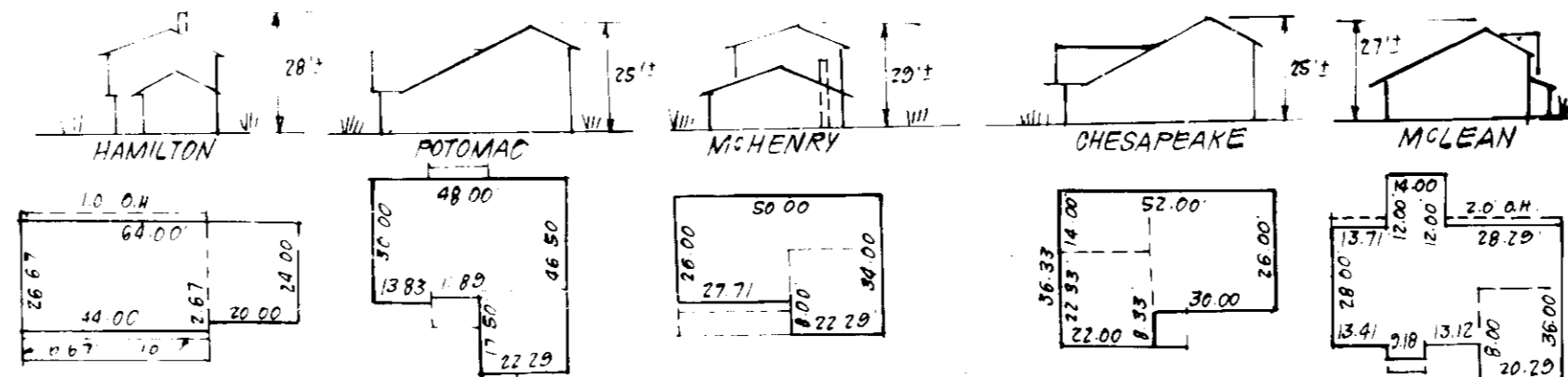
GENERAL NOTES

- The land included is zoned R-20 per R-285 Comprehensive Zoning Plan.
- Proposed contours are based on the Maryland State Plat - as projected by 16 Co. Monuments, 341 300' and 341 300'.
- All roads are Public & Existing.
- Any drainage to county owned streets of way to be reported at the Developer's Expense.
- For lots of existing lots, refuse collection, snow removal and road maintenance are provided to the junction of the way or easement and the road right of way line only and not into the flag or easement lot driveway.
- Total area included: 17.700 Acres.
- Total number of lots: 45.
- SWM provided by previously approved plans for Chestnut Farms - 86 153.

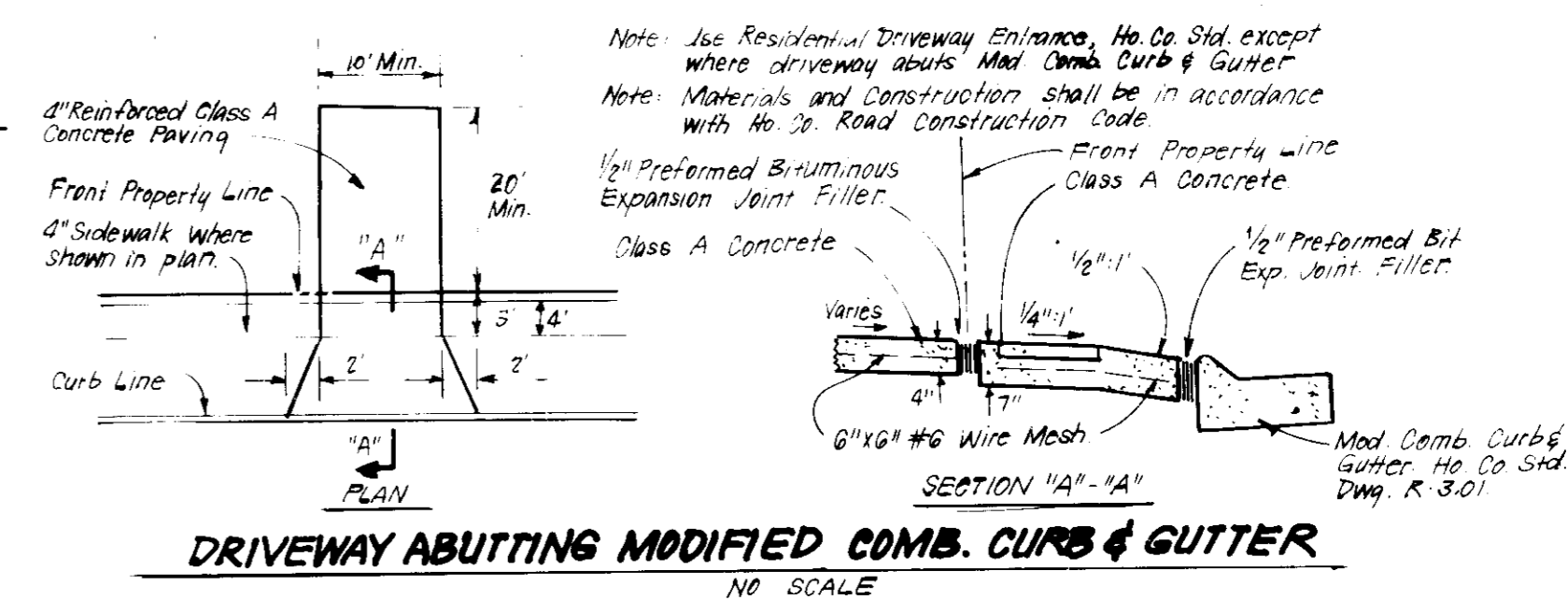
Note: The Contractor or developer shall call the Construction Inspection Division 24 hours in advance of commencement of work at 792-7272.

LEGEND

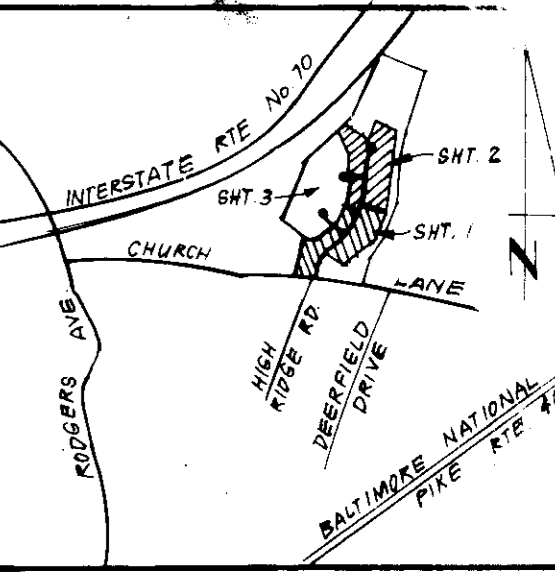
1. Contour Interval 2.0'
2. Existing Contour 4.0'
3. Proposed Contour 1.0'
4. Spot Elevation 1.0'
5. Exist. Trees to be Saved 1.0'
6. Walk Out Basement 1.0'
7. Direction of Drainage 1.0'



TYPICAL HOUSES
NO SCALE



DRIVEWAY ABUTTINGS MODIFIED COMB. CURB & GUTTER
NO SCALE



VICINITY MAP
SCALE: 1"=1000'

STREET ADDRESS

LOT NO.	STREET ADDRESS
1	8301 CHESTNUT FARM LANE
2	8305 " " "
3	8303 DAWN COURT
14	8304 " " "
15	8325 CHESTNUT FARM LANE
16	8329 " " "
21	8334 " " "
22	8330 " " "
23	8322 " " "
44	8322 " " "
45	8318 " " "
46	8314 " " "
47	8310 " " "



FOR CONTINUATION - SEE SHEET 3

FOR CONTINUATION - SEE SHEET 2

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: *[Signature]* DATE: 2/12/87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR: *[Signature]* DATE: 3-16-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *[Signature]* DATE: 3-12-87
CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 3-12-87

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 9-17-86
[Signature]



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

DESIGNED: C.M.S.
DRAWN: K.W.
CHECKED: J.M.E.
DATE: 8-7-86

SITE DEVELOPMENT PLAN
LOTS 1 THRU 29 AND 32 THRU 47
CHESTNUT FARMS
SECTION 1 AREA 1
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

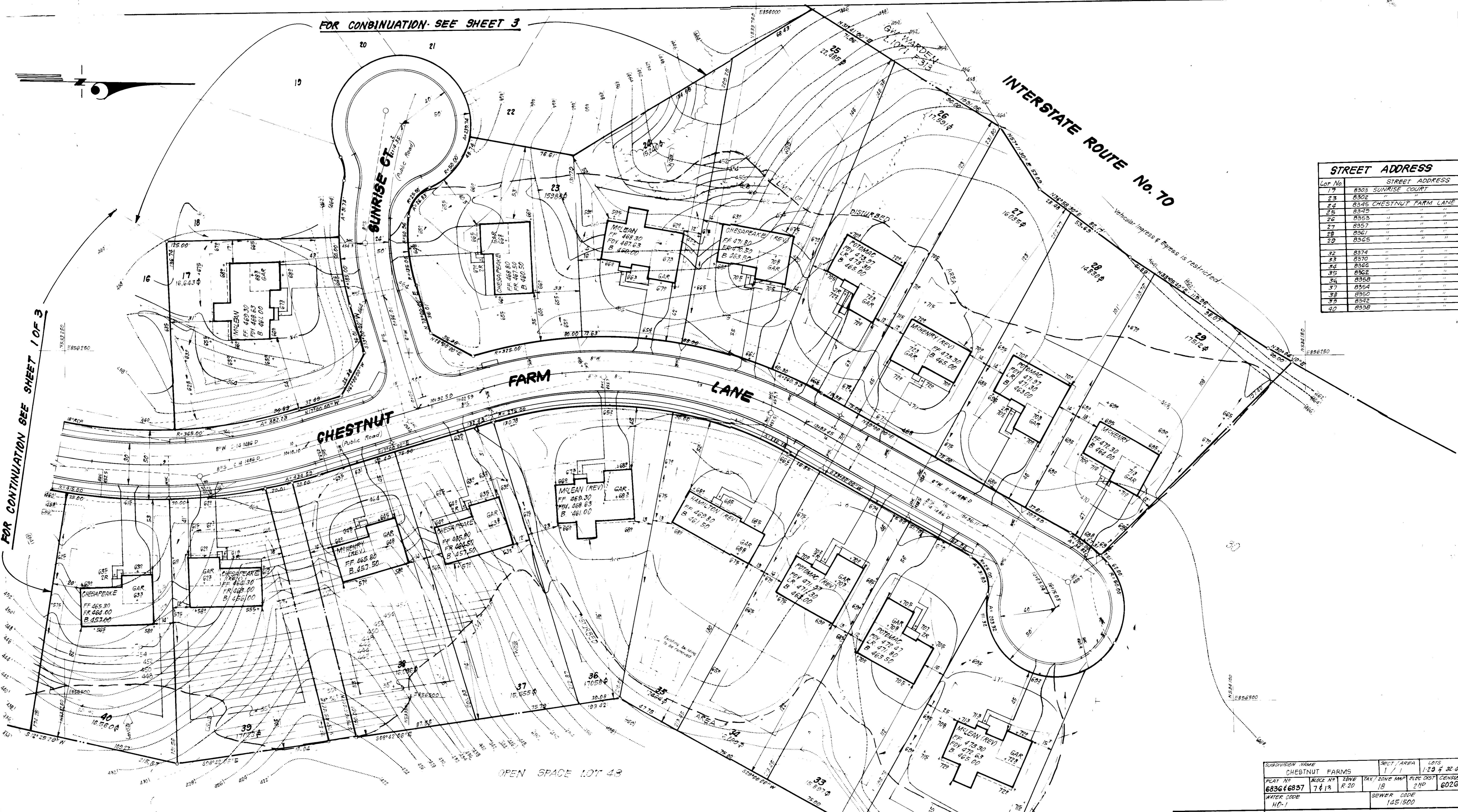
FOR: The Ryland Group - Columbia Division
7130 Minshel Way, Suite 215
Columbia, Md. 21045

SCALE: 1"=30'
DRAWING: 10P7
JOB NO.: 86-093
FILE NO.: 86-093-X

SUBDIVISION NAME	CHESTNUT FARMS	SECT. AREA	1.11	LOTS	1-29 & 32-47
PLAT NO.	683646837	BLOCK NO.	7413	TAX/EDUC. MAP	R-20
WATER CODE	MD-1	SEWER CODE	1451500	REC. DIS.	2ND
				CREGIS	6026

FOR CONTINUATION SEE SHEET 3

FOR CONTINUATION SEE SHEET 1 OF 3



Lot No.	STREET ADDRESS
17	8303 SUNRISE COURT
23	8302 " " "
24	8345 CHESTNUT FARM LANE
25	8349 " " "
26	8353 " " "
27	8357 " " "
28	8361 " " "
29	8365 " " "
32	8374 " " "
33	8370 " " "
34	8366 " " "
35	8362 " " "
36	8358 " " "
37	8354 " " "
38	8350 " " "
39	8346 " " "
40	8342 " " "

SUBDIVISION NAME	CHESTNUT FARMS	SECT./AREA	1 / 1	LOTS	1, 2, 3 & 32-47
PLAT NO.	683646837	BLOCK NO.	7413	ZONE	R-20
TAX CODE	18	ELEC. DIST.	2ND	CENSUS TR.	602G
WATER CODE	MD-1	SEWER CODE	1451500		

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 8/11/87
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 3-16-87
PLANNING DIRECTOR DATE

[Signature] 3-16-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

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

[Signature] 3-12-87
DIRECTOR DATE

[Signature] 3-12-87
CHIEF BUREAU OF ENGINEERING DATE

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-17-86

[Signature]

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

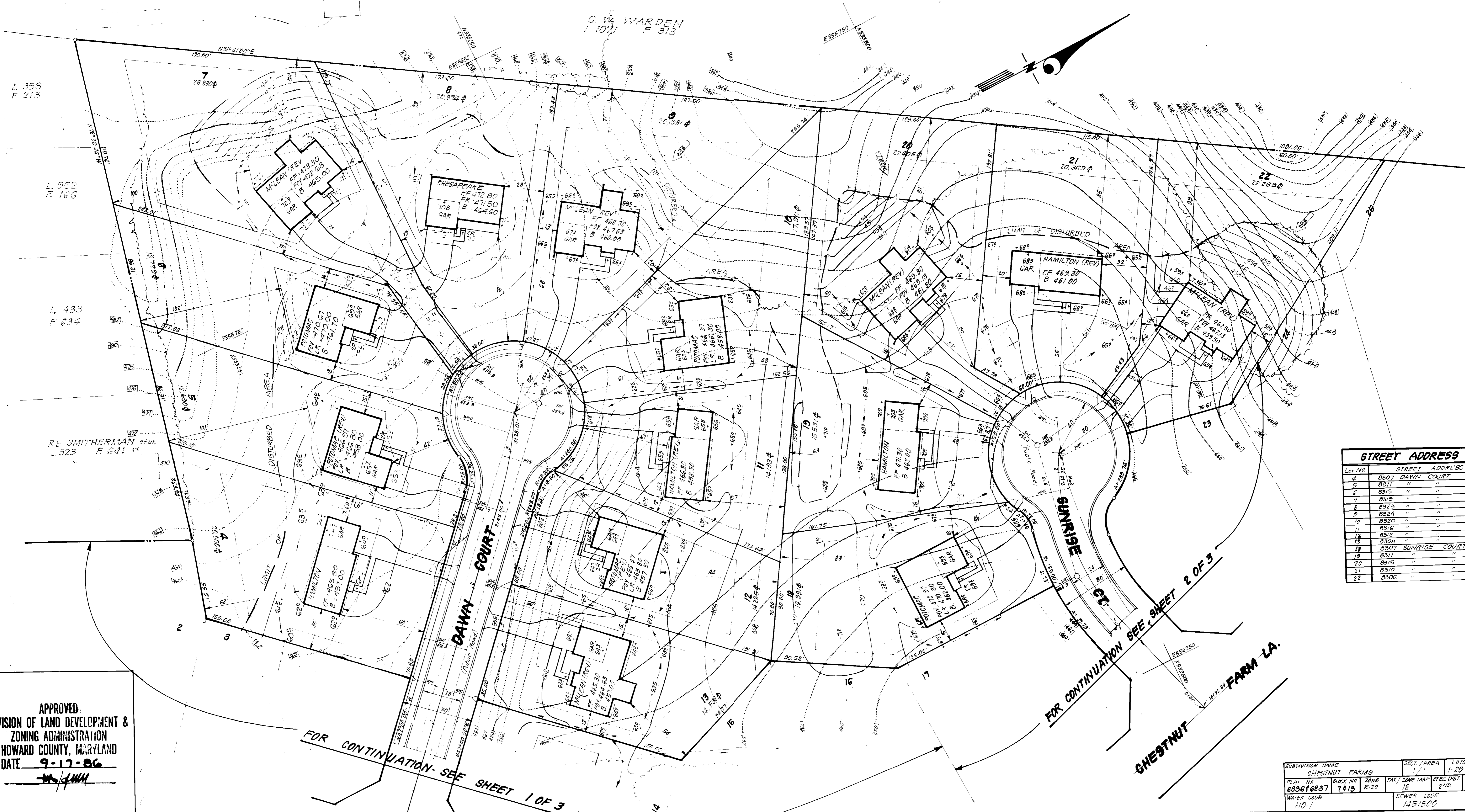
DESIGNED	CMS	SCALE	1" = 30'
DRAWN	KIW	DRAWING	20F7
CHECKED	J.M.E.	JOB NO.	86-C93
DATE	8-7-86	FILE NO.	86-C93-X

CHESTNUT FARMS
SECTION 1 AREA 1
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: The Ryland Group, Columbia Division
7130 Minstrel Way Suite 215
Columbia, Md. 21045

SDP-87-35





Lot No.	Street Address
4	8307 Dawn Court
5	8311 " "
6	8315 " "
7	8319 " "
8	8323 " "
9	8324 " "
10	8320 " "
11	8316 " "
12	8312 " "
13	8308 " "
14	8307 Sunrise Court
15	8311 " "
16	8315 " "
17	8310 " "
22	8306 " "

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-17-86
[Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 3/13/87
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 3-16-87
 PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 3-11-87
 DIRECTOR DATE

[Signature] 3-12-87
 CHIEF BUREAU OF ENGINEERING DATE

SUBDIVISION NAME	SECT AREA	LOTS
CHESTNUT FARMS	1/1	1-22 & 32-47
FLAT NO	BLOCK NO	ZONE
683666837	7413	R-20
TAX/ ZONE MAP	ELEC DIST	CENSUS
18	2ND	6026
WATER CODE	SEWER CODE	
40.1	145.1500	

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 1131E LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: CMS
 DRAWN: KIW
 CHECKED: JME
 DATE: 8-7-86

SITE DEVELOPMENT PLAN
 LOTS 1 THRU 23 AND 32 THRU 47

CHESTNUT FARMS
 SECTION 1 AREA 1
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: The Ryland Group, Columbia Division
 7130 Minstrel Way, Suite 215
 Columbia, Md. 21045

SCALE: 1"=30'
 DRAWING: 3 OF 7
 JOB NO.: 86-023
 FILE NO.: 86-023



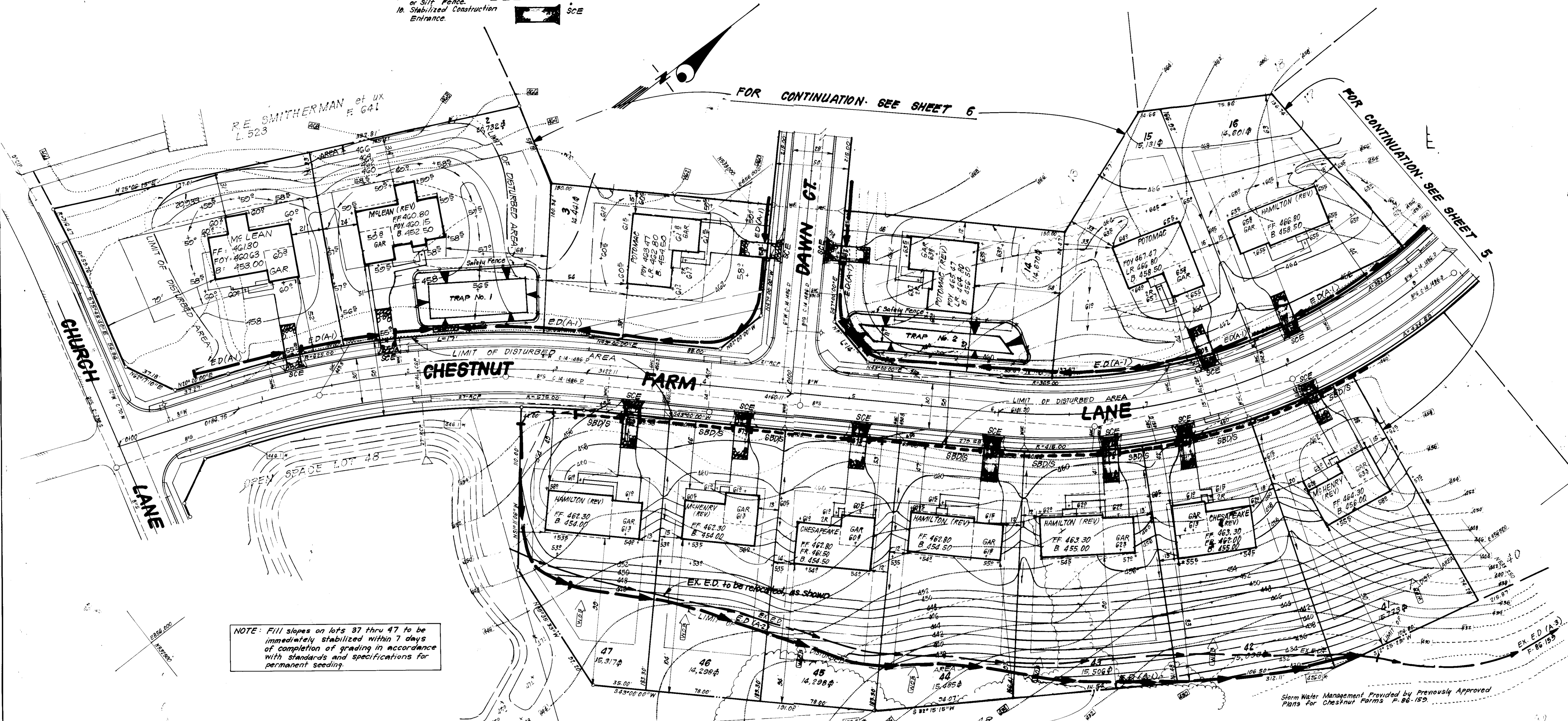
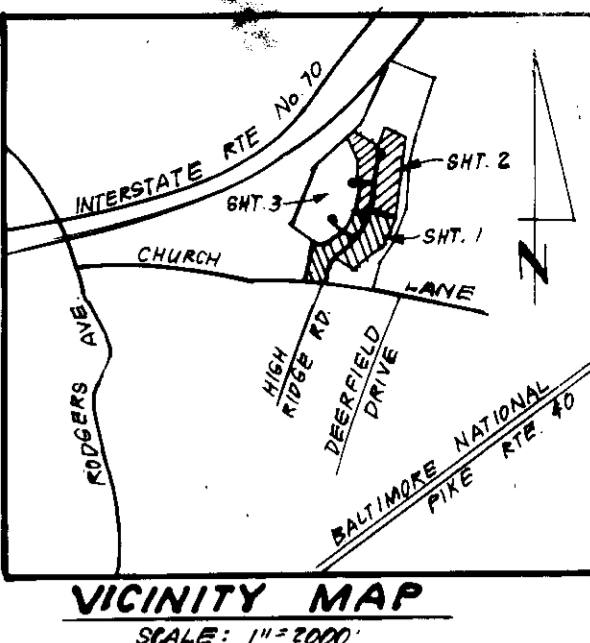
SEDIMENT TRAP TABLE									
TRAP NO.	TYPE OF TRAP	D.A.	STORAGE REQUIRED	STORAGE PROVIDED	DEPTH	TOP OF STONE CREST	BOTTOM ELEV.	CLEANOUT ELEV.	BOTTOM DIMENSIONS
* 1	SOST. ST.V.	4.1 AC.	7380 CF	7560 CF	4'	457.0	452.0	454.0	66' X 23'
* 2	SOST. ST.V.	3.3 AC.	5940 CF	5940 CF	4'	459.0	454.0	456.0	55' X 11'
* 3	SOST. ST.V.	0.6 AC.	1080 CF	1080 CF	3'	463.0	461.0	462.5	14' X 12'
* 4	SOST. ST.V.	0.9 AC.	1620 CF	1620 CF	3'	458.0	454.0	455.5	33' X 12'
# EX #1	SOST. ST.V.	5.0 AC.	9000 CF	9000 CF	3'	417.0	413.0	414.5	40' X 60'

* Cut Slopes 1:1.
See F-86-159

LEGEND

1. Contour Interval 2 FT.
2. Existing Contour
3. Proposed Contour
4. Spot Elevation
5. Exist. Trees to be Saved
6. Walk Out Basement
7. Direction of Drainage
8. Earth Dike
9. Straw Bale Dike or Silt Fence
10. Stabilized Construction Entrance

W.A. Kehoe Company hereby authorizes The Ryland Group, Columbia Division, to utilize existing Trap #1 shown on Plan F-86-159 for Sediment Control for this project. If W.A. Kehoe Company removes the Existing Trap #1 prior to completion of the Site Development Plan, a revised Sediment and Erosion Control Plan will be required.
W.A. Kehoe 10-15-86
Date
W.A. Kehoe



NOTE: Fill slopes on lots 37 thru 47 to be immediately stabilized within 7 days of completion of grading in accordance with standards and specifications for permanent seeding.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE 3/12/87
PLANNING DIRECTOR
DATE 3-16-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED
DIVISION OF LAND DEVELOPMENT
ZONING
HOWARD COUNTY
DATE 9-17-86

Reviewed for: S.C.D.
Name: [Signature]
Signature: [Signature]
Date: 3-9-87
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
Approved: [Signature] 3/9/87

DEVELOPER'S/BUILDER'S CERTIFICATE
I hereby 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] 8-12-86
Date

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] 8-12-86
Date

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

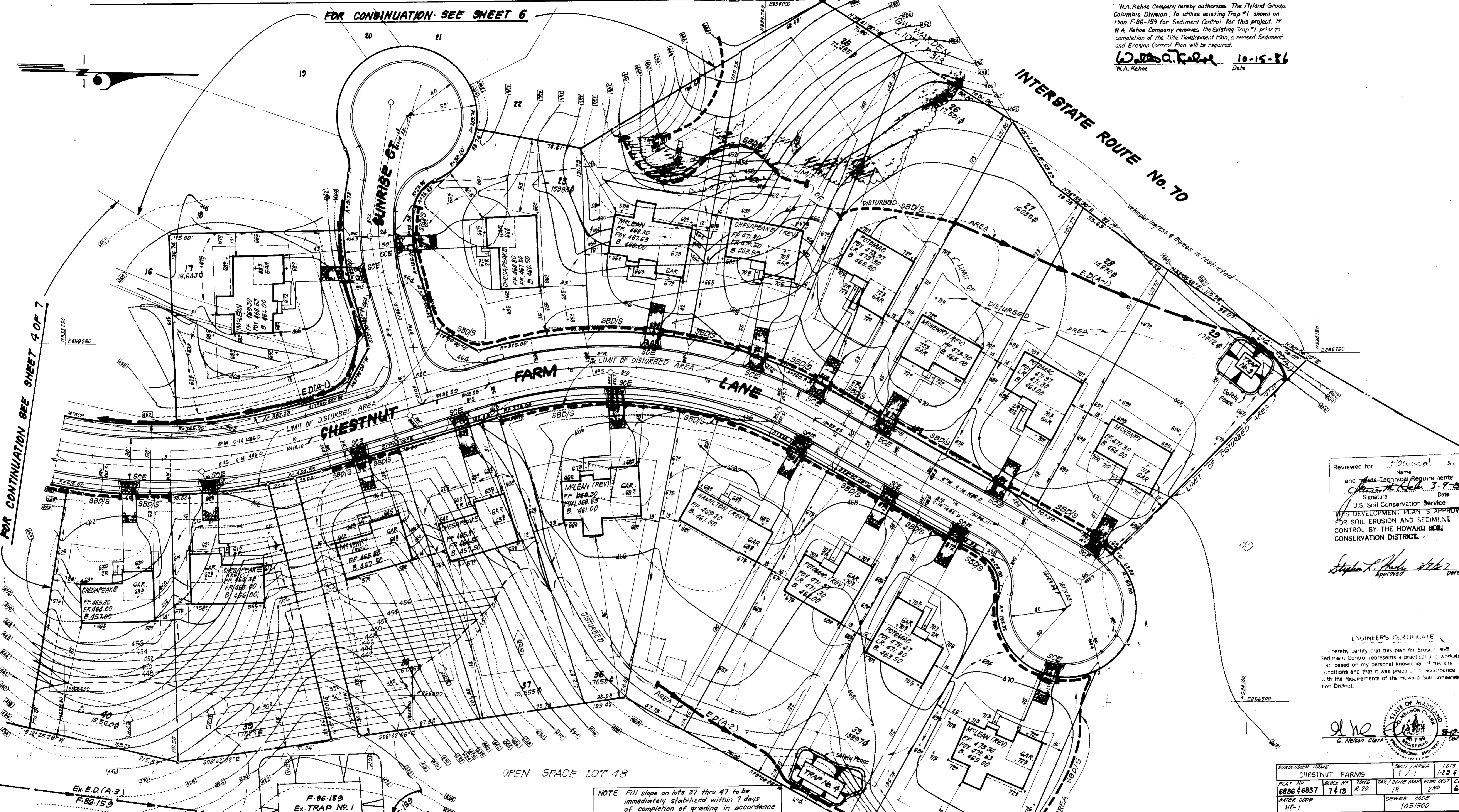
DESIGNED: VLS CMS
DRAWN: KIW
CHECKED: VLS CMS
DATE: 8-7-86

SEDIMENT & EROSION CONTROL PLAN
LOTS 1 THRU 29 AND 32 THRU 47
CHESTNUT FARMS
SECTION 1 AREA 1
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: The Ryland Group - Columbia Division
7130 Minstrel Way Suite 215
Columbia, Md. 21045
SDP-87-35

SCALE: 1"=30'
DRAWING: 40F7
JOB NO.: 86-093
FILE NO.: 86-093-SE

FOR CONTINUATION SEE SHEET 6

W.A. Kehoe Company hereby authorizes The Ryland Group, Columbia Division, to utilize existing Trap #1 shown on Plan F-86-159 for Sediment Control for this project. If W.A. Kehoe Company removes the Existing Trap #1 prior to completion of the Site Development Plan, a revised Sediment and Erosion Control Plan will be required.
W.A. Kehoe 10-15-86
 W.A. Kehoe Date



FOR CONTINUATION SEE SHEET 9 OF 7

INTERSTATE ROUTE No. 70
 Vehicular Access & Egress is restricted
 Pedestrian Access is restricted

Reviewed for Howard Soil
 Name
 and Plans Technical Requirements
 Signature Stephen M. Clark Date 3-9-87
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT

Stephen M. Clark 3/9/87
 Approved Date

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.

Stephen M. Clark 3/9/87
 G. Nelson Clark
 STATE OF MARYLAND
 PROFESSIONAL ENGINEER

SUBDIVISION NAME	SECT./AREA	LOTS
CHESTNUT FARMS	1/1	1-29 & 32-47
PLAT NO.	ZONE	TAX / ZONE MAP
6836-6837	R-20	18
WATER CODE	SEWER CODE	
HD-1	145/1500	

NOTE: Fill slope on lots 37 thru 47 to be immediately stabilized within 7 days of completion of grading in accordance with standards and specifications for permanent seeding.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
John A. ... 3/12/87
 COUNTY HEALTH OFFICER
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
John W. ... 3-16-87
 PLANNING DIRECTOR
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John E. ... 3-12-87
 DIRECTOR
 APPROVED: John E. ... 3-12-87
 CHIEF BUREAU OF ENGINEERING

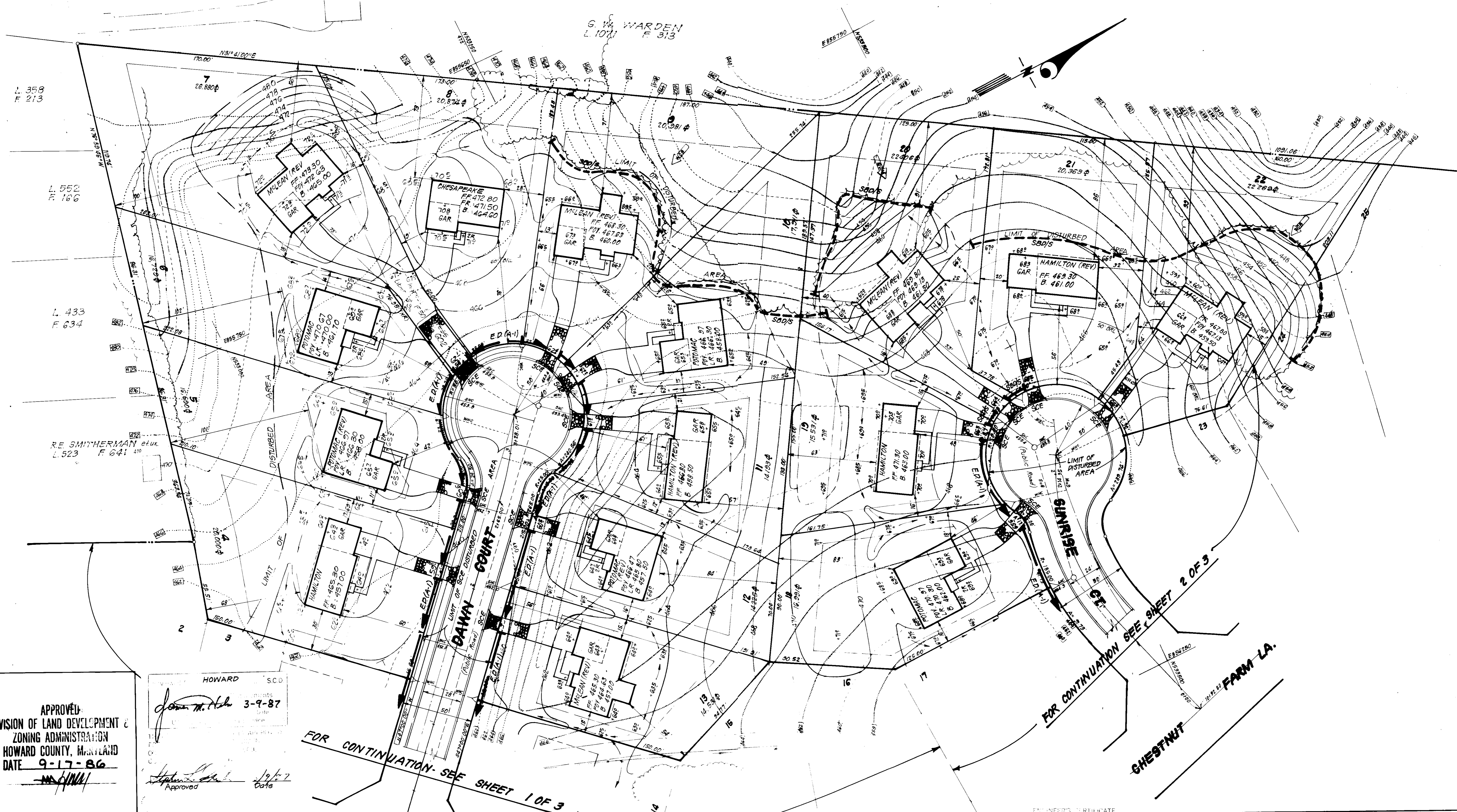
APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-17-86
M. ...

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.
Thomas M. ... 8-12-86
 Signature of Developer/Builder Date

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 4151 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED JLS SCALE 1" = 30'
 CHECKED JLS SEDIMENT & EROSION CONTROL PLAN
 DRAWN CMS LOTS 1 THRU 29 AND 32 THRU 47
 DATE 8-7-86

CHESTNUT FARMS
 SECTION 1 AREA 1
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: The Ryland Group, Columbia Division
 7130 Minstrel Way Suite 215
 Columbia, Md. 21045
SDP-87-35



APPROVED:
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-17-86

HOWARD SCD
 3-9-87
 Approved Date

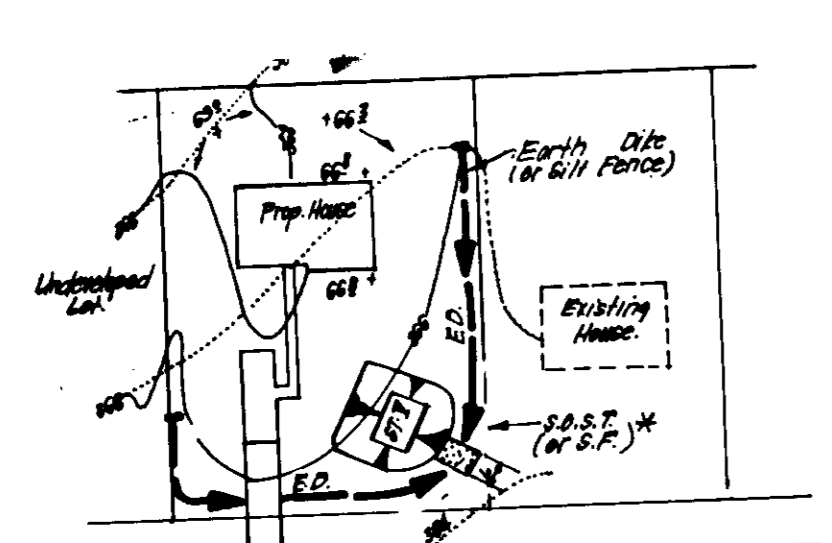
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 3-16-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 3-16-87

ENGINEER'S CERTIFICATE
 I warrant that the above is a true and correct copy of the original plan as filed in my office and that the same conforms to the provisions of the Natural Resources and Environmental Code of the State of Maryland and the regulations of the State Board of Professional Engineers and Surveyors.
 Signature of Developer/Builder
 Date 2-20-87

G. Nelson Clark
 Date 2-24-87

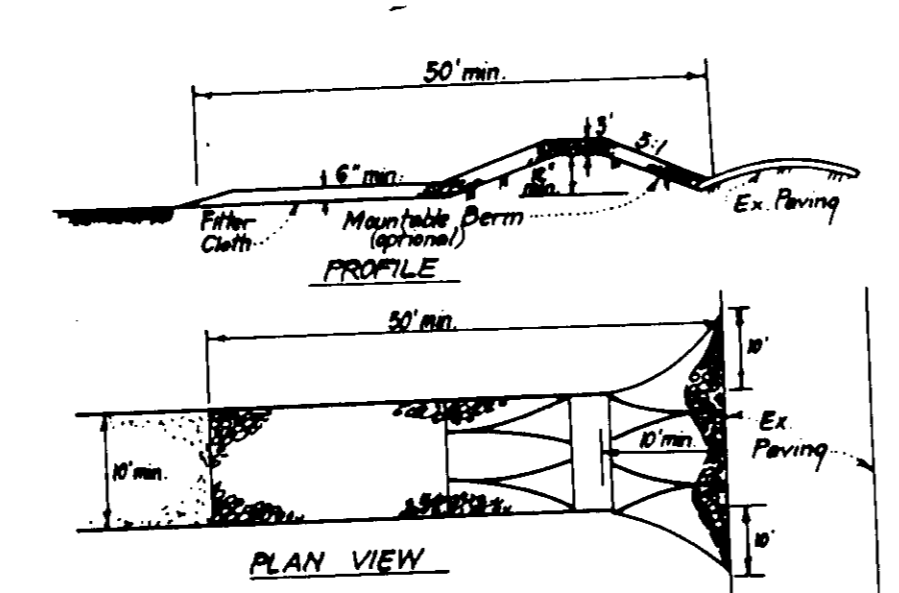
CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400		
DESIGNED CMS DRAWN KIW CHECKED JME CMS DATE 8-7-86	SEDIMENT & EROSION CONTROL PLAN LOTS 1 THRU 29 AND 32 THRU 47 CHESTNUT FARMS SECTION 1 AREA 1 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: The Ryland Group, Columbia Division 7130 Minstrel Way Suite 215 Columbia, Md. 21045	SCALE 1"=30' DRAWING 6 OF 7 JOB NO. 86-093 FILE NO. 86-093-36



ITEM	DESCRIPTION	QUANTITY	UNIT
1	Filter Cloth	1	Roll
2	Rip Rap	1	Roll
3	Stone	1	Roll
4	Small Rip Rap	1	Roll
5	Gravel	1	Roll
6	Gravel	1	Roll
7	Gravel	1	Roll
8	Gravel	1	Roll
9	Gravel	1	Roll
10	Gravel	1	Roll
11	Gravel	1	Roll
12	Gravel	1	Roll
13	Gravel	1	Roll
14	Gravel	1	Roll
15	Gravel	1	Roll
16	Gravel	1	Roll
17	Gravel	1	Roll
18	Gravel	1	Roll
19	Gravel	1	Roll
20	Gravel	1	Roll

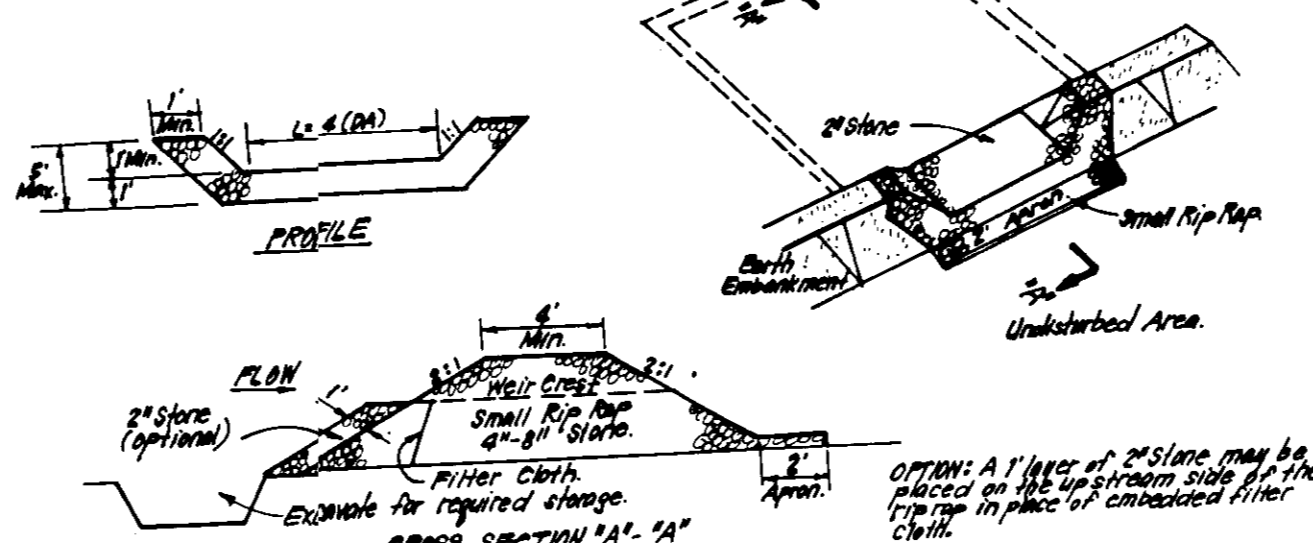
SINGLE LOT SEDIMENT CONTROL PLAN
NO SCALE

* NOTE: Single lot detail can not be utilized if any two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.



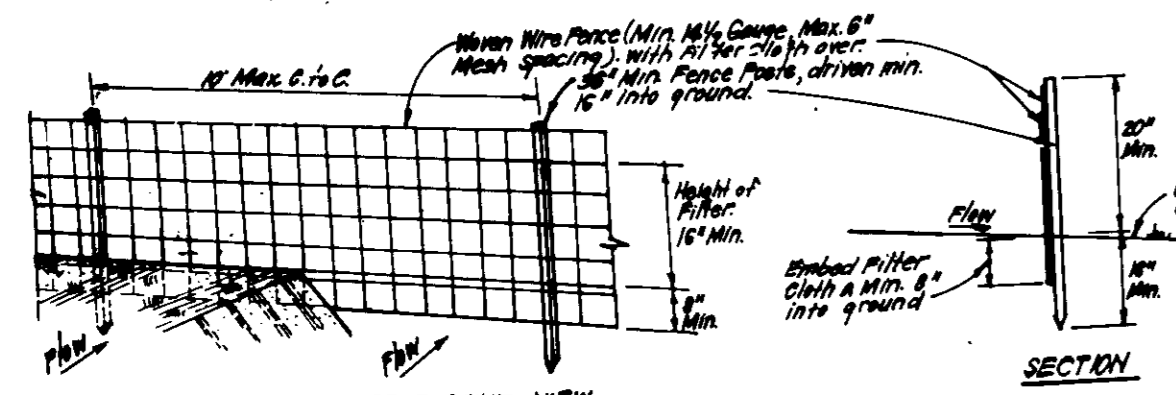
STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE

- CONSTRUCTION SPECIFICATIONS:**
- Stone size - Use 2" stone, or equivalent or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (exception a single residence lot where a 30 foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) foot minimum, but not less than the full width of parts 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 single 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 mouth-side berm with 5:1 slopes will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment with public rights-of-way. This may require periodic top dressing with additional stone or conditioner dispersant and/or cleaning of any impurities used to trap sediment. All sediment impurities, dispersed washes 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 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.



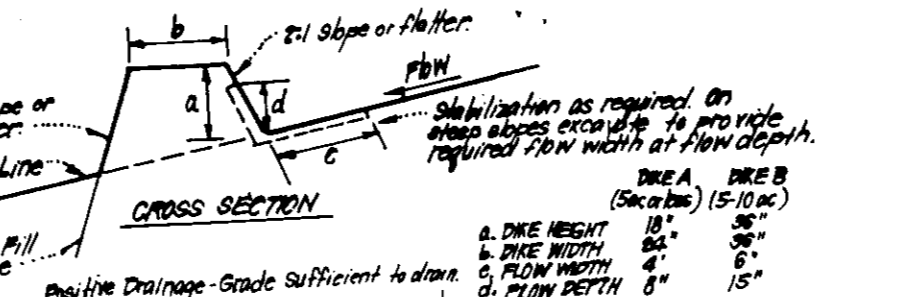
STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STV.
NO SCALE

- CONSTRUCTION SPECIFICATIONS:**
- Area under a sediment trap shall be cleared, grubbed and stripped of any vegetation and root mat. The soil shall be compacted.
 - The rip rap shall be compacted and the construction shall be free of ruts and other irregularities as well as any loose stones, rocks, organic material or other objectionable material. The construction 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" to 6" along with 1" thickness of 2" aggregate placed on the up-slope side on the street rip rap. A 4" diameter filter cloth in the rip rap accurately to fit the stone depth of the trap.
 - Small rip rap shall be inspected after each rain and repairs made as required.
 - The structure shall be inspected after each rain and repairs made as required.
 - The structure shall be inspected after each rain and repairs made as required.
 - The structure shall be inspected after each rain and repairs made as required.



SILT FENCE DETAIL (S)
NO SCALE

- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be attached securely to fence posts with wire ties or staples.
 - Filter cloth to be attached securely to woven wire fence with wire staples 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 "blow by" develops in silt fence.

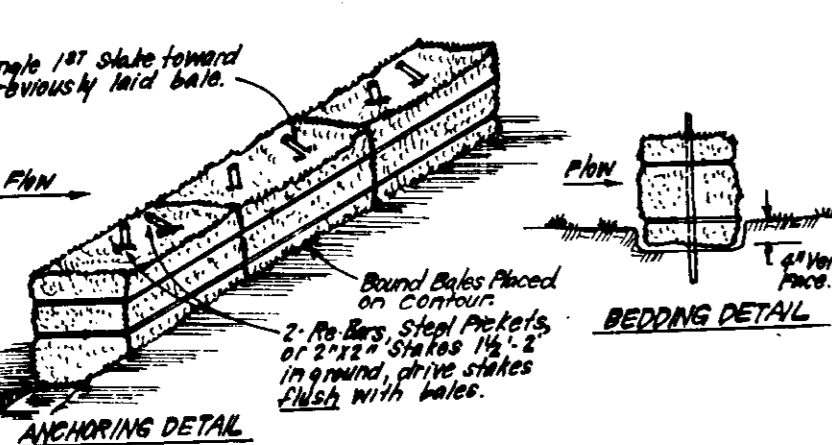


FLOW CHANNEL STABILIZATION

- 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 clearing by construction trucks.
 - Filter cloth should be adjusted as needed to utilize a stabilized safe outlet.
 - Earth dikes shall have an outlet that functions with a minimum of erosion. Material shall be removed to a sediment trapping device such as a sediment trap or sediment basin.
 - Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season; (B) flow channel as per chart below.

TYPE OF TREATMENT	CHANNEL GRADE	DYKE A	DYKE B
1	0.5 - 2.0%	Seed or Straw Mulch	Seed or Straw Mulch
2	2.1 - 5.0%	Seed or Straw Mulch	Seed with or without Straw; 2" Stone
3	5.1 - 8.0%	Seed with or without Straw; 2" Stone	Seed with or without Straw; 2" Stone
4	8.1 - 20.0%	Seed with or without Straw; 2" Stone	Seed with or without Straw; 2" Stone

EARTH DIKE DETAIL (E.D.)
NO SCALE



ANCHORING DETAIL

- CONSTRUCTION SPECIFICATIONS:**
- Dikes 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.
 - Dikes shall be securely anchored in place by either 2 stakes or 1 rebar driven thru the bale.
 - The 1st stake in each bale shall be driven through the middle of the 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.
 - Dikes 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

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) before seeding, and 400 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 (.05 lbs/1000 sq ft) of seeding lowgrass. During the period of October 16 thru February 15, 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 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gal 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 per acre of seeding lowgrass (.07 lbs/1000 sq ft). For the period November 16 thru February 15, 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 feet or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 HARTLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

Construction Sequence:

NO.	DESCRIPTION	NO. OF DAYS
1.	Obtain Grading Permit.	3 days
2.	Clean out and repair existing Sediment Trap and install Sediment and Erosion Control measures.	30 days
3.	Clear and rough grade site.	30 days
4.	Excavate for foundations and construct houses.	360 days
5.	Fine grade and construct driveways and walks.	90 days
6.	Stabilize all disturbed areas on site.	30 days
7.	Upon approval of the sediment control inspector remove Sediment and Erosion Control measures and stabilize.	14 days

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APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE: 2/13/87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 3-16-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 3-17-87

APPROVED: CHIEF BUREAU OF ENGINEERING
DATE: 3-17-87

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 9-17-86

Reviewed for: [Signature] S.C.D.
Name: [Signature]
Signature: [Signature] Date: 3-8-87
U.S. Soil Conservation Service

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

Approved: [Signature] Date: 3/9/87

DEVELOPER/BUILDER'S CERTIFICATE

I hereby 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.

Approved: [Signature] Date: 8-12-86

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.

Approved: [Signature] Date: 8-12-86

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED: VLS/CMS
DRAWN: KIW
CHECKED: VLS/CMS
DATE: 8-7-86

SEDIMENT & EROSION CONTROL PLAN
LOTS 1 THRU 29 AND 32 THRU 47

CHESTNUT FARMS
SECTION 1 AREA 1
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: The Ryland Group - Columbia Division
7130 Minster, May Suite 215
Columbia, MD 21046

SCALE: 1"=30'
DRAWING: 70F7
JOB NO.: 86 093
FILE NO.: 86 093 SE

SDP-87-35