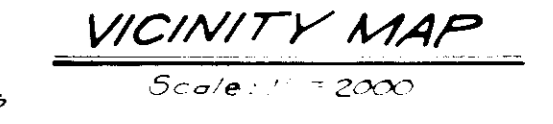


GENERAL NOTES:

- Subject property is zoned: R-20 per 8-2-85 Comprehensive Zoning Plan.
- The total area included in this submission is 8.10 Ac.
- The total number of lots included in this submission are: 26
- Improvement to property: Single family detached.
- The maximum lot coverage permitted is: 30%
- Department of Planning and Zoning reference file numbers are: P-89-43, S-89-113, F-90-34, F-92-16, F-92-17.
- Utilities shown as existing are taken from approved water and sewer plan Contract #10 1215-S-8266 (W), approved and construction plans F-90-34 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-90-34
- All roadways are public and existing.
- The existing topography shown was taken from road construction plans F-90-34 prepared by Dentistry & Davis and Field Survey by T.S.A. on 1-26-93.
- 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. 274000, 274001, 274002, 274003, 274004, 274005, 274006, 274007, 274008, 274009, 274010, 274011, 274012, 274013, 274014, 274015, 274016, 274017, 274018, 274019, 274020, 274021, 274022, 274023, 274024, 274025, 274026, 274027, 274028, 274029, 274030, 274031, 274032, 274033, 274034, 274035, 274036, 274037, 274038, 274039, 274040, 274041, 274042, 274043, 274044, 274045, 274046, 274047, 274048, 274049, 274050, 274051, 274052, 274053, 274054, 274055, 274056, 274057, 274058, 274059, 274060, 274061, 274062, 274063, 274064, 274065, 274066, 274067, 274068, 274069, 274070, 274071, 274072, 274073, 274074, 274075, 274076, 274077, 274078, 274079, 274080, 274081, 274082, 274083, 274084, 274085, 274086, 274087, 274088, 274089, 274090, 274091, 274092, 274093, 274094, 274095, 274096, 274097, 274098, 274099, 274100.
- The contractor shall notify the Department of Public Works/Bureau of Construction Inspection of 401 2nd St. 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.
- The Zoning Regulations allow porches or decks, open or enclosed, not to project more than 10 feet into the required front/rear yard building restriction line.
- For driveway entrance details refer to H.C. Design Manual Volume II, Detail R-5-G.01
- The Wetland/Stream Buffer indicated on this Plan does not affect the initial construction of a residential unit on any lot. It does prohibit subsequent excavation, grading or construction in the Buffer area. Maintenance of residence, landscaping and utilities is permitted.



MINIMUM LOT SIZE CHART

LOT NO.	GROSS AREA	PIEDESTAL AREA	REMAINING AREA	100 YEAR FLOODPLAIN	5% SLOPE	MIN. LOT SIZE
45	17840	3000	14840	N/A	N/A	14840

LEGEND

- CONTOUR INTERVAL
- EXISTING CONTOUR
- IMPOSED CONTOUR
- LOCATION OF DRAINAGE WALK OUT BASEMENT
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING STORM MAIN

SPECIAL NOTES

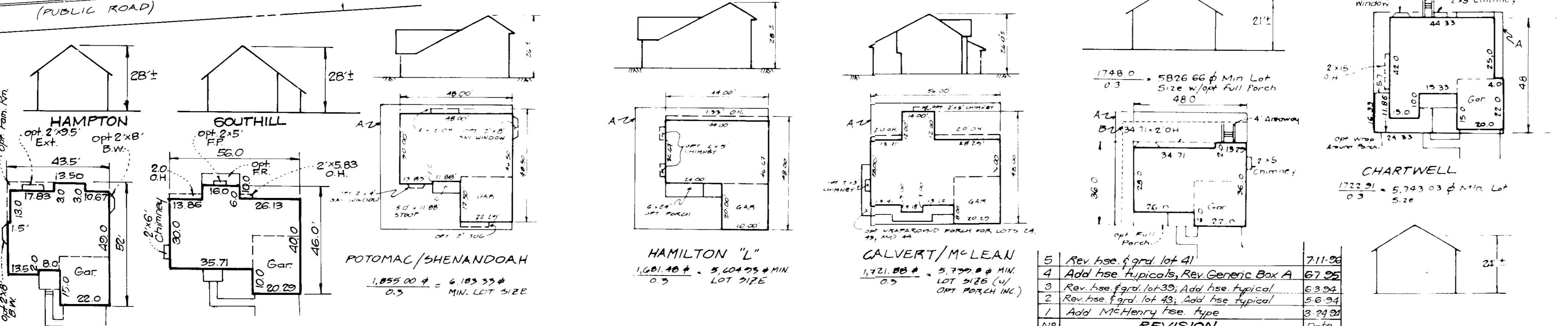
This plan is for house siting and lot grading only. Improvements shown within rights-of-way on this SDP are not to be used for construction. For construction use approved Road Construction Plans, F-90-34 and/or approved Water & Sewer Plans Contract No. 10-1215-S and 10-1215-SHC. Elevations shown are located at the property lines.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 9/16/93

APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 11/24/93

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC WORKS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 9/8/93

CHIEF BUREAU OF ENGINEERING: M.K. O'NEILL DATE: 9/17/93



SHEET INDEX

SUBDIVISION NAME	SECTION AREA	LOT NO.	DATE
DUNTEACHIN FARM	ONE	1 thru 24 thru 33, 34 thru 45	11/28/93

WATER CODE: D-03 SEWER CODE: 2155000

CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: UME	SITE DEVELOPMENT PLAN	SCALE: 1" = 20'
DRAWN: MCR	LOTS 1 thru 8, 24 thru 33, & 38 thru 45	DRAWING: 1 OF 5
CHEK'ED: UME	DUNTEACHIN FARM	JOB NO: 93-089
DATE: June 1993	SECTION 1	FILE NO: 93-089-1
	1ST ELECTION DISTRICT	
	HOWARD COUNTY, MARYLAND	

FOR THE RYLAND GROUP, INC.
 7100 MOUNTAIN VIEW
 COLUMBIA, MARYLAND 21045

REVISION

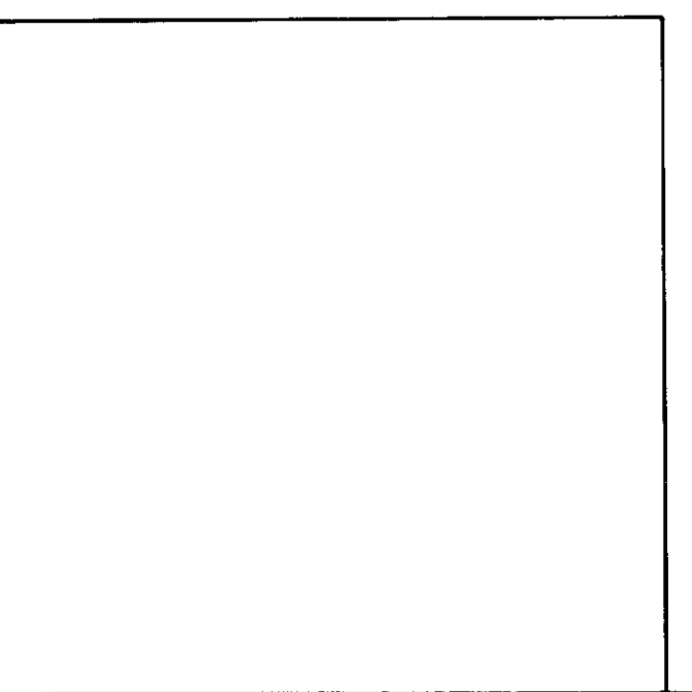
NO.	DESCRIPTION	DATE
1	Rev. base for lot 41	7/11/93
2	Add base for typical Rev. Garage Box A	8/7/93
3	Rev. base for lot 33, Add base typical	8/3/93
4	Rev. base for lot 43, Add base typical	8/6/93
5	Add MCHENRY base type	8/24/93



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 9-16-93

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 11/24/93
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH: *[Signature]* DATE: 11/23/93

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 9/8/93
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 9/7/93



ADDRESS CHART

LOT NO	STREET ADDRESS	AREA
1	5401	5412
2	5402	5413
3	5403	5414
4	5404	5415
5	5405	5416
6	5406	5417
7	5407	5418
8	5408	5419
9	5409	5420
10	5410	5421
11	5411	5422
12	5412	5423
13	5413	5424
14	5414	5425
15	5415	5426
16	5416	5427
17	5417	5428
18	5418	5429
19	5419	5430
20	5420	5431
21	5421	5432
22	5422	5433
23	5423	5434
24	5424	5435
25	5425	5436
26	5426	5437
27	5427	5438
28	5428	5439
29	5429	5440
30	5430	5441
31	5431	5442
32	5432	5443
33	5433	5444
34	5434	5445
35	5435	5446
36	5436	5447
37	5437	5448
38	5438	5449
39	5439	5450
40	5440	5451
41	5441	5452
42	5442	5453
43	5443	5454
44	5444	5455
45	5445	5456

- 5 Rev. hse. & grd. lot 32 5-3-95
- 4 Rev. hse. & grd. lot 6, Add hse. typical 4-19-95
- 3 Rev. hse. & grd. lot 33, Add hse. typical 3-6-95
- 2 Rev. hse. & grd. lot 28, Add hse. typical 12-27-94
- 1 Rev. hse. & grd. lot 1 from 'A box' + 'B. add. y.'; Add hse. typ. 10-20-94
- No. Revisions Date

[Signature]
 8/19/93

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: JME
 DRAWN: MCR
 CHECKED: JME
 DATE: JUNE 1993

SITE DEVELOPMENT PLAN
 LOTS 1 thru 8, 24 thru 33, & 30 thru 35
DUNTEACHIN FARM
 SECTION 1
 1st ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR THE RYLAND GROUP, INC.
 7130 Minniford Way
 Columbia, Md. 21045

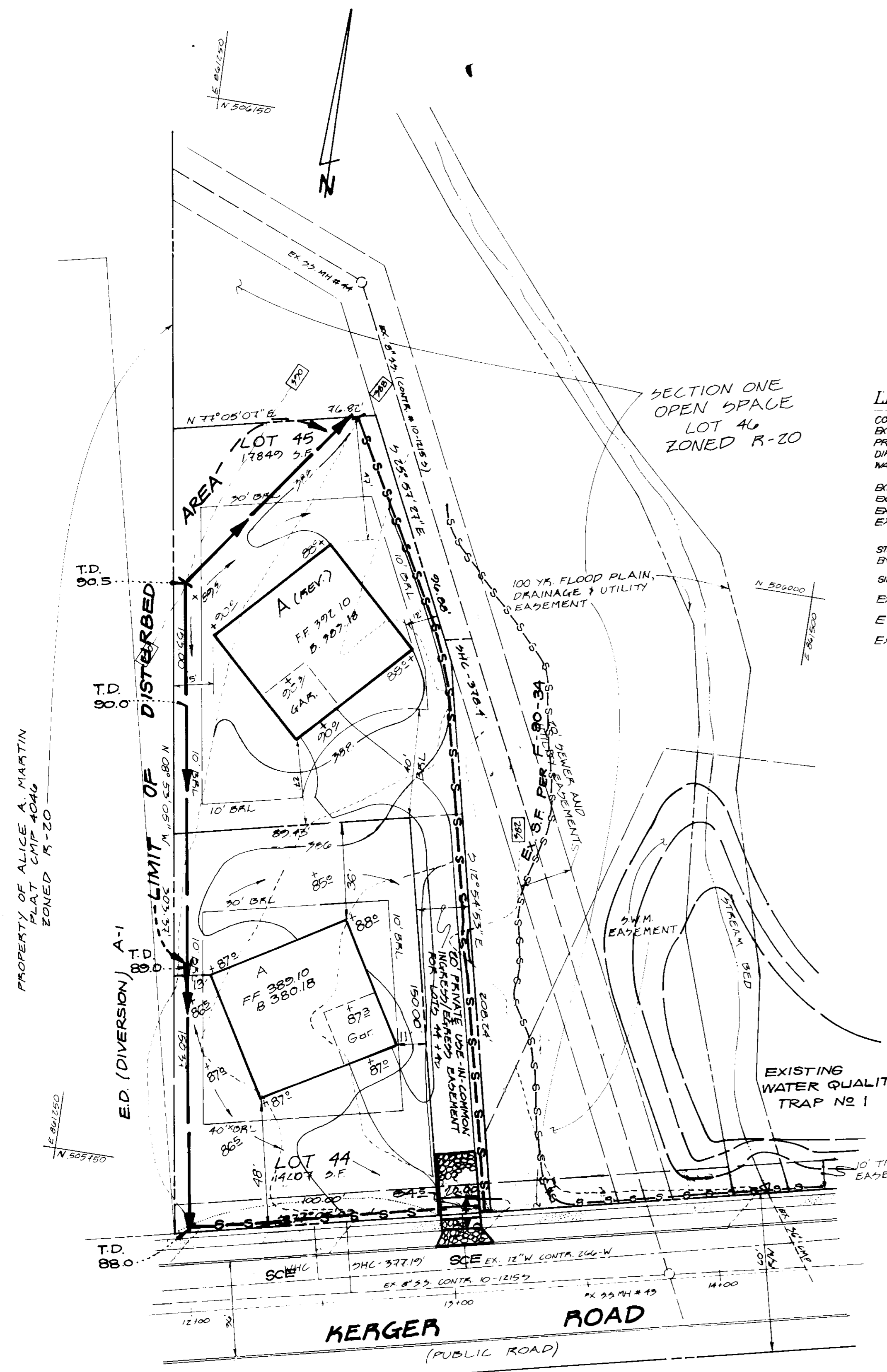
SCALE: 1" = 30'
 DRAWING: 2 OF 5
 JOB NO: 93-089
 FILE NO: 93-089X



VICINITY MAP

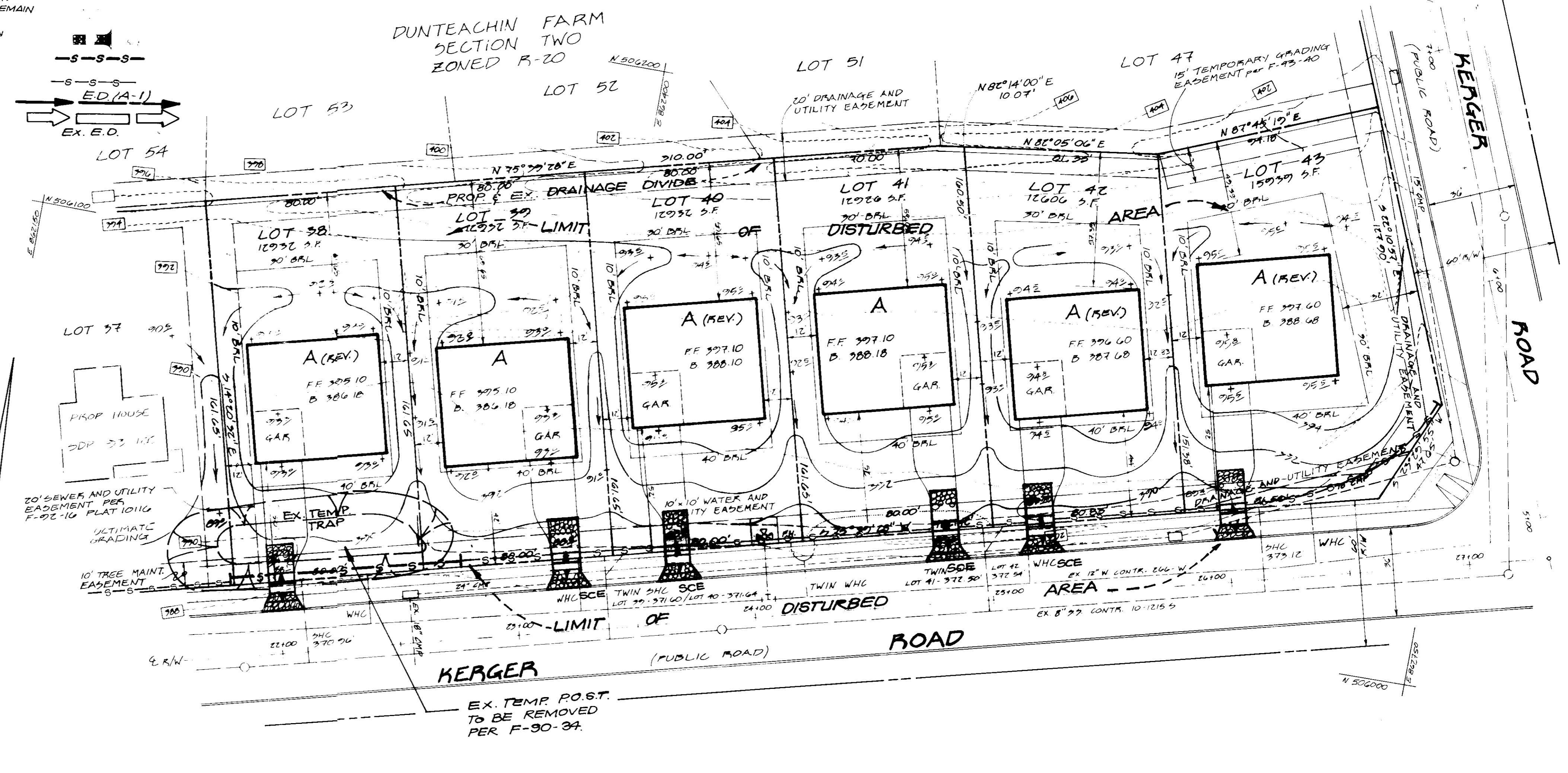
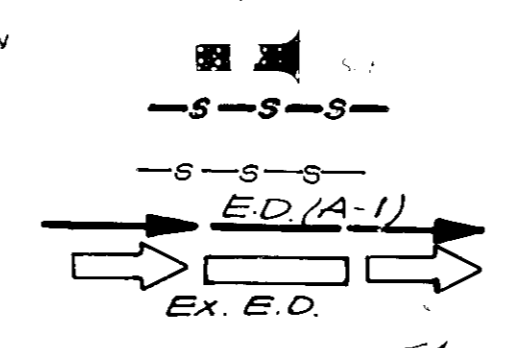
Scale 1" = 100'

North Arrow



LEGEND

- CONTOUR INTERVAL
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING STORM DRAIN
- EXISTING TREES TO REMAIN
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- Ex. 6ft Fence
- Earth Dike
- Ex. Earth Dike



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

[Signature] 9-16-93
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 11/24/93
 DIRECTOR DATE

[Signature] 11/23/93
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

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

[Signature] 9.8.93
 DISBURSER DATE

[Signature] 9/7/93
 CHIEF BUREAU OF ENGINEERING M.K. O'NEILL DATE

Reviewed for HOWARD S.C.U. Name
 and meet technical requirements
[Signature] 8/24/93
 Signature
 US Soil Conservation Service

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

[Signature] 8/30/93
 Approved

ENGINEER'S CERTIFICATE

"I 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] 6-24-93
 Signature of Maurice M. Simpkins Date

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.

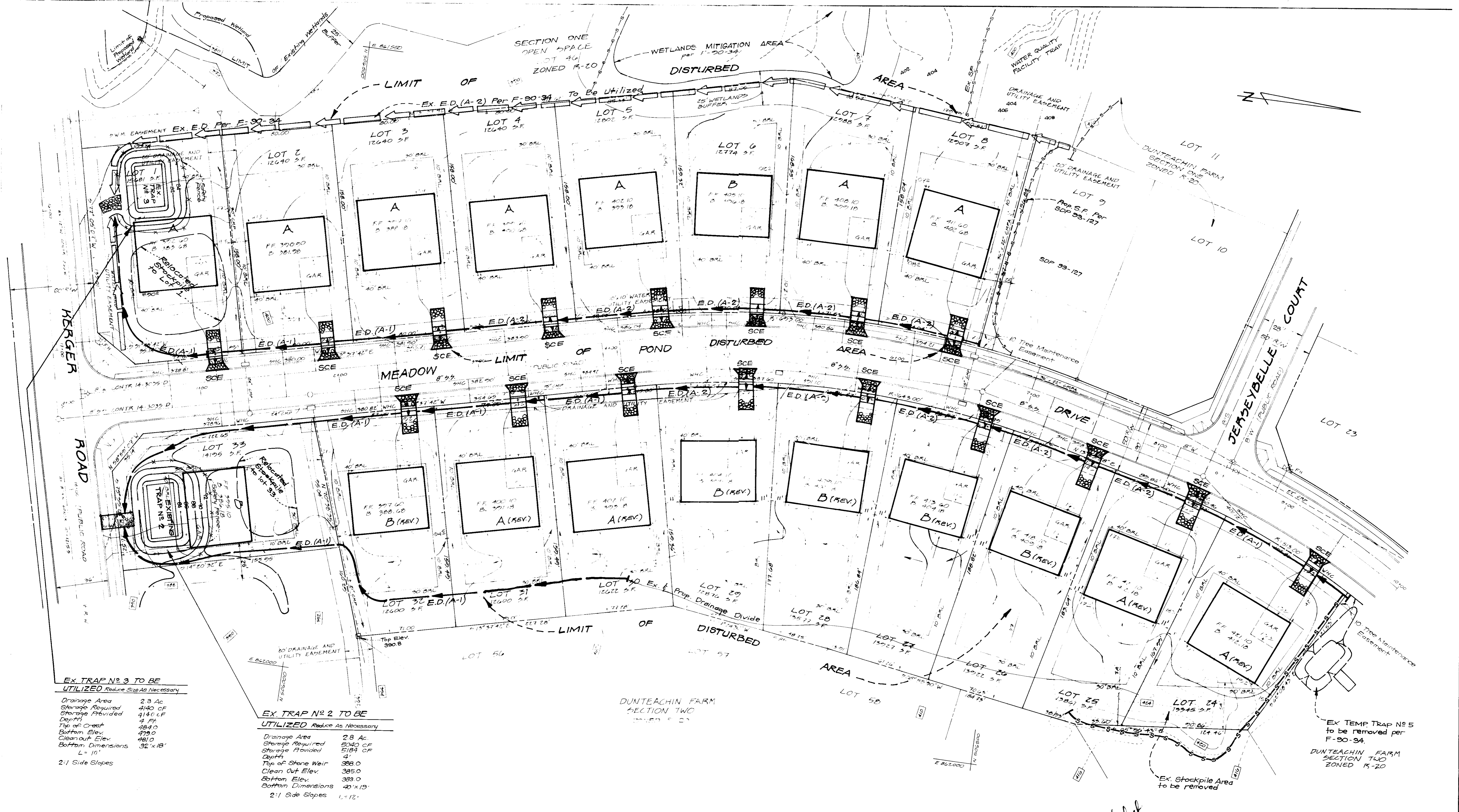
[Signature] 6/24/93
 Signature of Jeffrey L. Schwab Date

CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

7135 Minstrel Way • Columbia, Md 21045 • (410) 381-7800 Balt. • (301) 621-8100 Wash.

DESIGNED	SEDIMENT & EROSION CONTROL PLAN	SCALE	1" = 30'
KIWM	LOTS 1 thru 8, 24 thru 33, 38 thru 45	DRAWN	3 OF 5
BAL	DUNTEACHIN FARM	CHIEF KED	JOB NO. 93-089
KIWM	SECTION 1	DATE	93-089
DATE	1ST ELECTION DISTRICT	FILE NO.	93-089
JUNE 1993	HOWARD COUNTY, MARYLAND		

FOR THE RYLAND GROUP, INC.
 7130 Minstrel Way
 Columbia, Maryland 21045



EX. TRAP NO 3 TO BE UTILIZED Reduce Size As Necessary

Drainage Area 2.3 Ac
 Storage Required 4140 CF
 Storage Provided 4140 CF
 Depth 4 Ft
 Top of Crest 484.0
 Bottom Elev. 479.0
 Cleanout Elev. 481.0
 Bottom Dimensions 32' x 18'
 L = 10'
 2:1 Side Slopes

EX. TRAP NO 2 TO BE UTILIZED Reduce As Necessary

Drainage Area 2.8 Ac
 Storage Required 5040 CF
 Storage Provided 5184 CF
 Depth 4'
 Top of Stone Weir 388.0
 Clean Out Elev. 385.0
 Bottom Elev. 383.0
 Bottom Dimensions 40' x 19'
 2:1 Side Slopes L = 12'

EX TEMP TRAP NO 5 TO BE REMOVED per F-90-34

DUNTEACHIN FARM SECTION TWO ZONED R-20

EX Stockpile Area to be removed

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

[Signature] 9-16-93

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 11/24/93

[Signature] 11/23/93

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 9/8/93

[Signature] 2/7/93

Reviewed for HOWARD COUNTY S.C.U. and meets Technical Requirements of the Soil Conservation Service

[Signature] 8/31/93

US Soil Conservation Service

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

[Signature] 8/31/93

Approved

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 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] 6-24-93

Maurice M. Simpkins
 Signature of
 Maurice M. Simpkins

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."

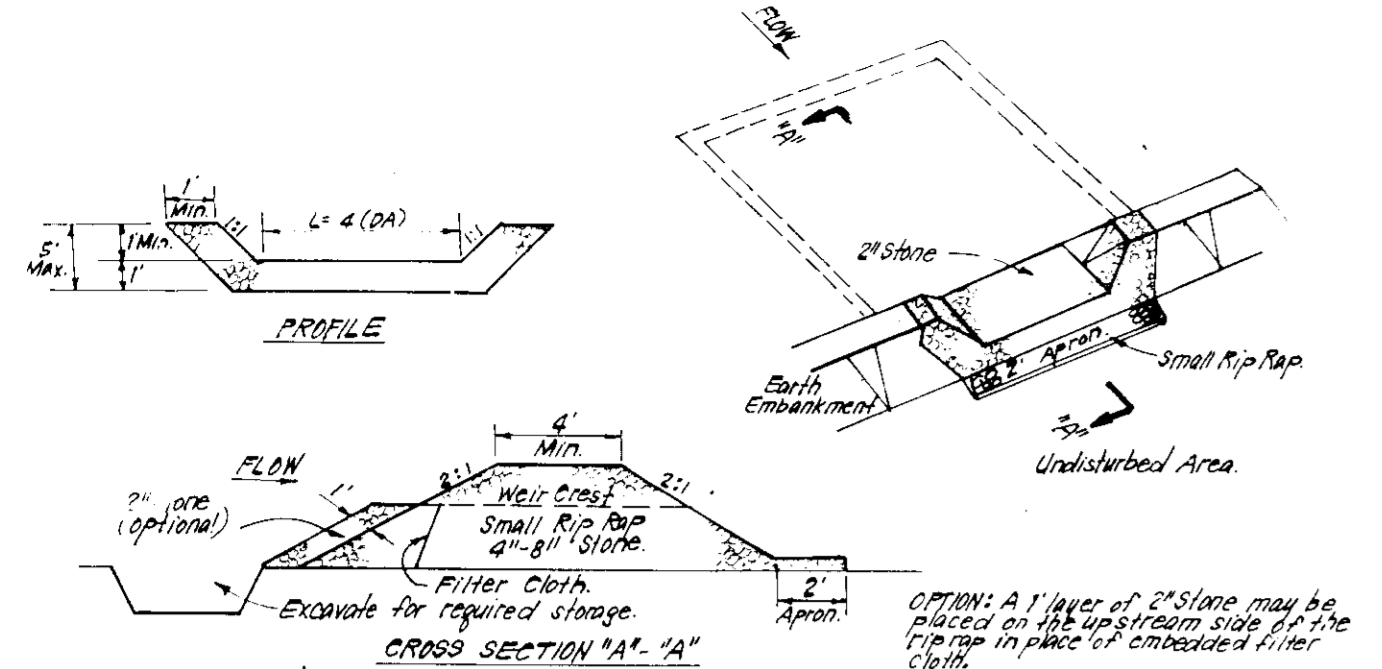
[Signature] 6/24/93

Signature of
 Jeffrey L. Schwab

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 981-7500 • BALTO • BETHESDA • WASH

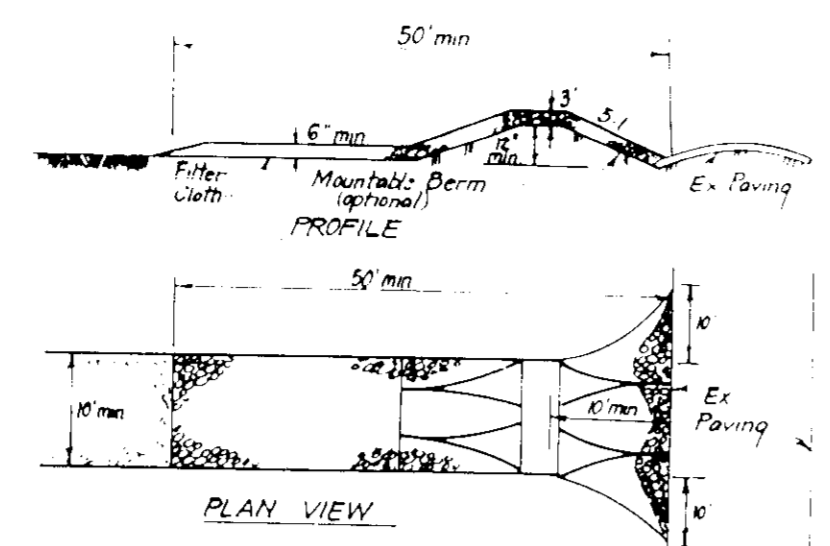
DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 1 thru 8, 24 thru 33, 38 thru 45 DUNTEACHIN FARM SECTION 1 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP, INC 7130 Minstrel Way Columbia, Md 21045	SCALE 1" = 20'
DRAWN BAL		DRAWING 4 OF 5
CHECKED KIWM		JOB NO 93-089
DATE JUNE 1993		FILE NO 93-089



CONSTRUCTION SPECIFICATIONS:

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The top area shall be compacted.
- The fill material for the embankment shall be free of roots and other woody vegetation as well as other sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted to 95% minimum relative density 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 upstream side on the small rip rap or embedded filter cloth on 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 day 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.

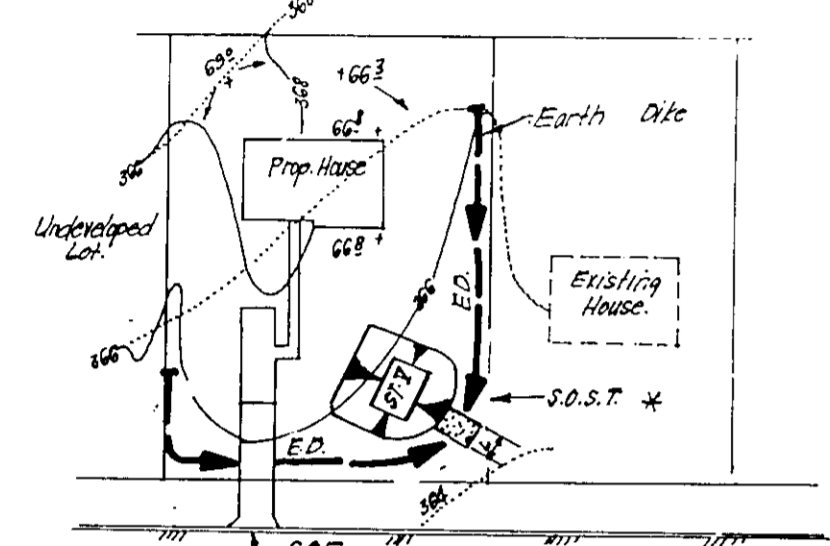
STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STV
NO SCALE



CONSTRUCTION SPECIFICATIONS:

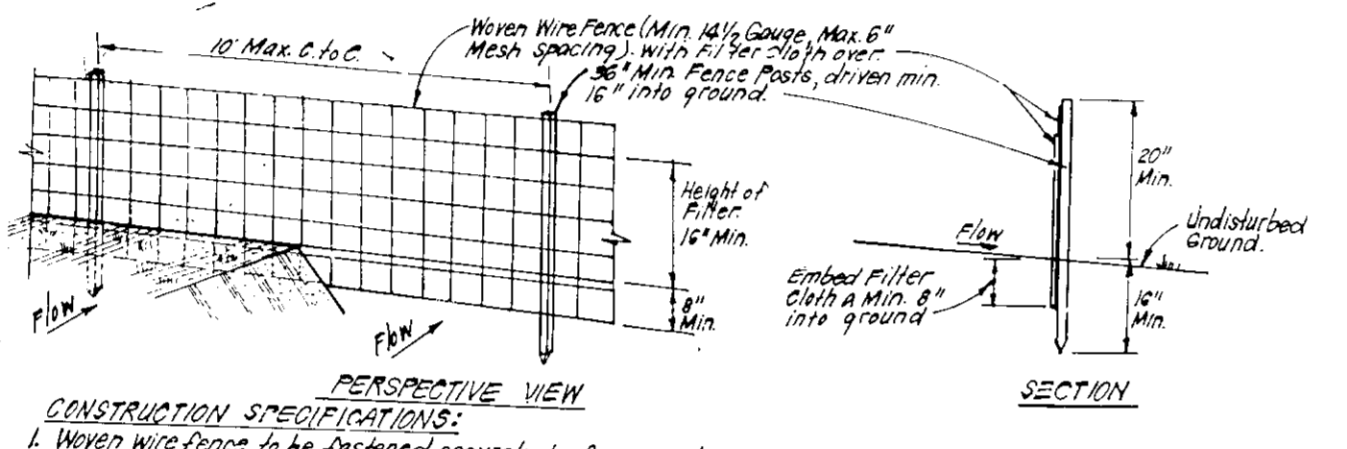
- Stone size - Use 2" stone or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet, except on a single residence of where a 30 foot minimum length would apply.
- Thickness - Not less than six (6) inches.
- Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
- Filter Cloth - Will be placed over the entire area prior to laying of stone. Filter will not be required on a single family residence lot.
- Surface Water - All surface water flowing or diverted toward construction entrance shall be used across the entrance. If runoff is impractical, a moundable 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 onto public rights-of-way. This may require periodic top dressing with additional stone as construction demand and repair and/or clearing of any measures used to trap sediment. All sediment saved and disposed, 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 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 (SCE)
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 if any lots showing a sediment trap.

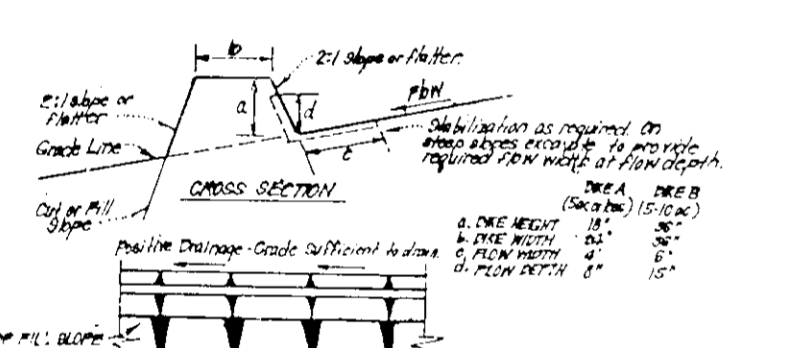
SINGLE LOT SEDIMENT CONTROL PLAN
NO SCALE



CONSTRUCTION SPECIFICATIONS:

- When wire fence is to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to wire wire fence with 1/2" spaced every 50' or less after each section.
- When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and stapled.
- Maintenance shall be performed as needed and material removed when "bulges" develop in filter fence.

SILT FENCE DETAIL (3)
NO SCALE



CONSTRUCTION SPECIFICATIONS:

- All dikes shall be constructed by earthmoving equipment.
- All dikes shall have positive drainage to an outlet.
- Dike width may be wider and top elevation may be higher if desired to facilitate crossing by construction traffic.
- Earth dikes shall have an outlet that functions with a minimum of erosion. Sediment shall be removed in a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
- Stabilization shall be in accordance with standard specifications for seed and straw mulch matting or soil stabilization methods as per chart below.

EARTH DIKE DETAIL (E.D.)
NO SCALE

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. (913-1810).
- 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 SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 5.1) sod (Sec. 5.4), temporary seedings (Sec. 5.2) and mulching (Sec. 5.2). 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:	8.1019 Ac
Area Disturbed:	2.30 Ac
Area to be seeded or paved:	2.30 Ac
Area to be vegetatively stabilized:	2.30 Ac
Total Fill:	
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.
- All pipes to be blocked at the end of each day (see detail this sheet).
- The total amount of silt fence = 510 L.F.

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.

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, 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 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 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 60lbs 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 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 unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (3 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, disking or other acceptable means before seeding, if not previously loosened.

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 ryegrass (3.2 lbs/1000 sq ft.). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (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 unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (3 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 SEQUENCE:

	NO. OF DAYS
1 Obtain grading permit	7
2 Install tree protection fence	N/A
3 Install sediment and erosion control devices and stabilize	21
4 Excavate for foundations, rough grade and temporarily stabilize	30
5 Construct structures, sidewalks and driveways	90
6 Final grade and stabilize in accordance with Specs. and Specs.	14
7 Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize	7

*Delay construction of houses on lots 1 & 33. See single lot sediment control detail, this sheet.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 9-16-93
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 11/24/93
 CHIEF BUREAU OF LAND DEVELOPMENT AND RESEARCH: *[Signature]* DATE: 11/23/93
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 9/6/93
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 2/7/93

Reviewed for HOWARD COUNTY S.C.D. and meets Technical Requirements by *[Signature]* 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: *[Signature]* Date: 6-21-93

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: *[Signature]* Date: 6/24/93

CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINISTREL WAY • COLUMBIA, MD 21045 • (410) 181-7900 • BALTO • (301) 471-8810 • WASH

DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN	SCALE 1" = 30'
DRAWN BAL	LOTS 1 thru 8, 24 thru 33, 38 thru 45	DRAWING 5 OF 5
CHECKED KIWM	SECTION 1	JOB NO. 93-089
DATE JUNE 1993	1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO. 93-089

FOR: THE RYLAND GROUP, INC.
7130 Ministrel Way
Columbia, MD 21045