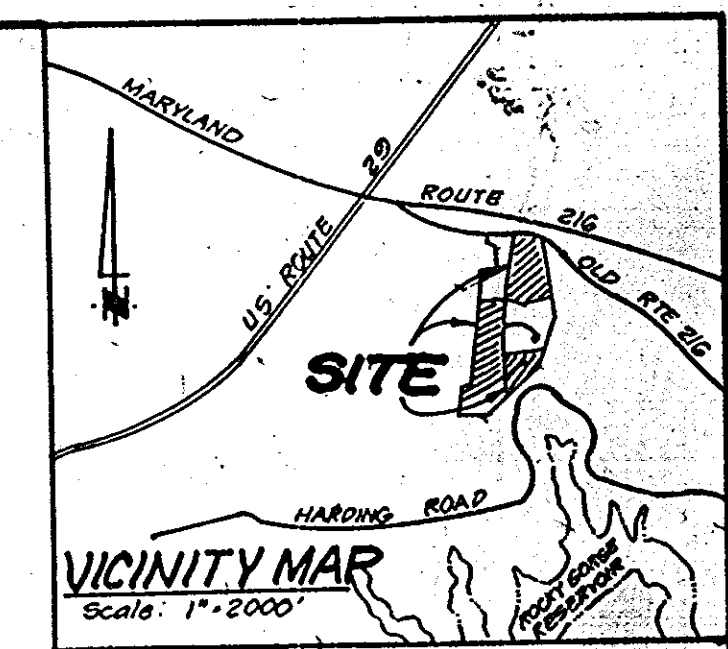


CHERRYTREE FARM SECTION 1
LOT 12
OPEN SPACE
ZONED R-20



BUILDING RESTRICTION LINE
FRONT: 40' Min. (Unless noted)
REAR: 50' Min.
SIDE: 10' Min.

ADDRESS CHART

Lot	Street Address
1	8801 SWEET CHERRY LANE
2	8805 "
3	8809 "
4	8813 "
5	8817 "
6	8821 "
7	8825 "
8	8829 "
9	8833 "
10	8837 BING CHERRY COURT
11	8841 "
12	8845 SWEET CHERRY LANE
13	8849 "
14	8853 CHERRYSTONE COURT
15	8857 "
16	8861 "
17	8865 "
18	8869 "
19	8873 "
20	8877 "
21	8881 SAND CHERRY LANE
22	8885 "
23	8889 SWEET CHERRY LANE
24	8893 "
25	8897 "
26	8901 "
27	8905 "
28	8909 "
29	8913 "
30	8917 "
31	8921 "
32	8925 "
33	8929 "
34	8933 "
35	8937 "
36	8941 "
37	8945 "
38	8949 "
39	8953 "
40	8957 "
41	8961 "
42	8965 "
43	8969 "
44	8973 "
45	8977 "
46	8981 SAND CHERRY LANE

GENERAL NOTES:

- The Land included is zoned: R-20 as per 8-2-85 Comprehensive Zoning Plan.
 - Coordinates are based on the Maryland State Grid System.
 - All roads are public and existing.
 - Any damage to county owned rights of way is to be corrected at the Developer's expense.
 - Total Area included: 11.8819 Acres.
 - Total number of Lots: 35.
 - The Contractor or Developer shall call the Construction Inspection Division 24 hours in advance of commencement of work at 792-7272.
- B. Maximum Lot Coverage = 30%.

LEGEND:

- Contour Interval 2 Ft.
- Existing Contour 410
- Proposed Contour 410
- Spot Elevation 10'
- Direction of Drainage
- Walk-Out Basement
- Ex. Trees to be retained

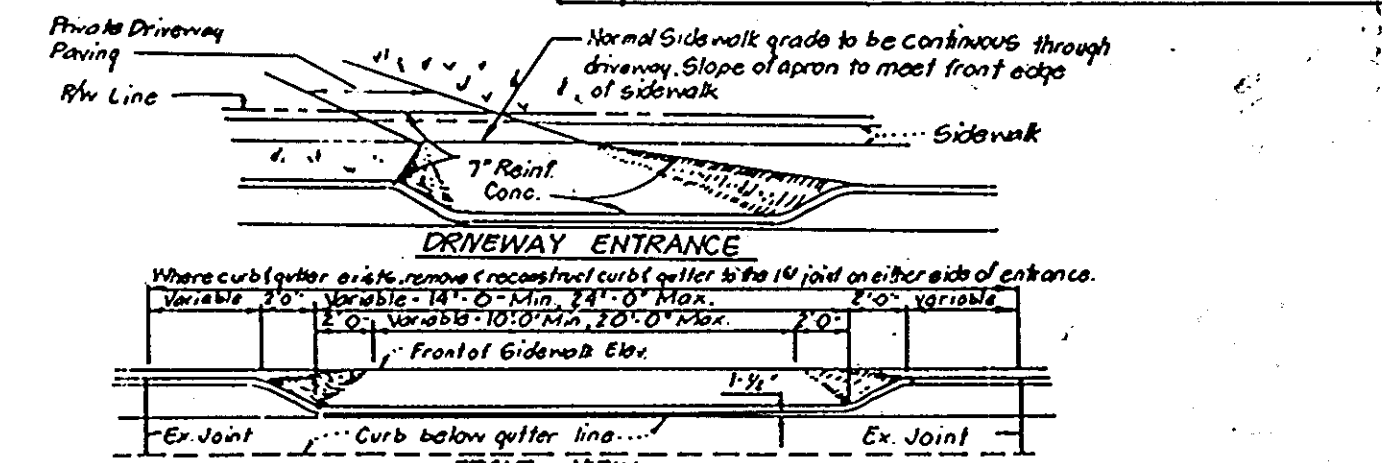
SPECIAL NOTES:

Approved Road Construction Plans shall be used for all Public Utilities.

Public water & sewer shown for reference only. For more detailed information - see water & sewer plans Contract No. 24-1287-D.

The water and sewer house connections not included in a "Developer's Agreement" shall conform to Howard Co. Plumbing code. The on-site W/C shall be 1" copper and the S/C shall be 4" iron.

Stormwater Management provided for in central facility. See previously approved plans F-84-219.



DRIVEWAY ABUTTING CLOSED SECTION WITH STD. 1" COMB. CURB & GUTTER (SIDEWALK SET BACK FROM CURB)

Owner/Developer: Cherrytree Venture 6805 Ivy Lane, Suite 200 Greenbelt, Maryland 20770	SUBDIVISION NAME: Cherrytree Farm	SECT./AREA: 1/1	LOTS: 1-11, 37-44, 47-56
PLAT #: 6928-6927	BLOCK #: 10	ZONE: R-20	TAX/ZONING/ELEC. DIST. CODE: 46
WATER CODE: E 18	SEWER CODE: 7602000	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	

CLARK • FINEPROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINTHIE WAY • COLUMBIA MD 21045 • (301) 381-7200 • BALTO • (301) 621-8100 • WASH.

DESIGNED CM3	SITE DEVELOPMENT PLAN LOTS 1-11, 37-44, 47-56	SCALE 1"=30'
DRAWN LJG		
CHECKED CM3	CHERRYTREE FARM SECTION 1 AREA 1	DRAWING 1 of 8
DATE 3-25-87		
FOR: N V Homes 1565 Beverly Road, Suite #200 McLean, Va. 22101		JOB NO. 87-013
		FILE NO. 87-018X

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

[Signature] 6-17-87
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

[Signature] 6-19-87
PLANNING DIRECTOR DATE

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

[Signature] 6-19-87
DATE

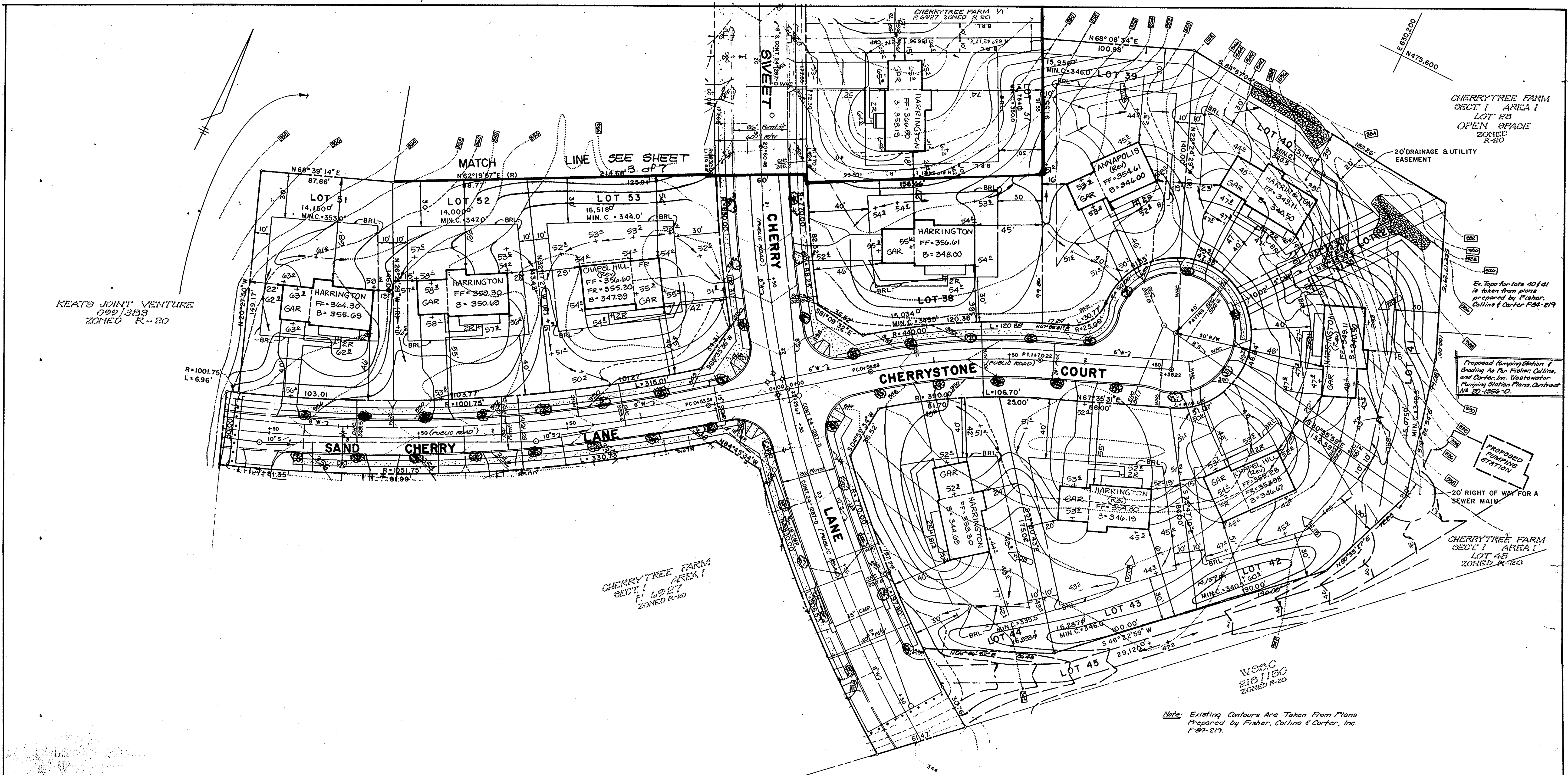
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 6-12-87
DIRECTOR DATE

[Signature] 6-12-87
CHIEF BUREAU OF ENGINEERING DATE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-4-87
[Signature]





KEATS JOINT VENTURE
099/388
ZONED R-20

CHERRYTREE FARM
SECT 1 AREA 1
LOT 38
OPEN SPACE
ZONED R-20

Ex. Topo for lots 40 & 41
is taken from plans
prepared by Fisher,
Collins & Carter, Inc. F-89-219

Proposed Pumping Station &
Grading As Per Fisher, Collins,
and Carter, Inc. Wastewater
Pumping Station Plans, Contract
W-20-1856-D

20' RIGHT OF WAY FOR A
SEWER MAIN

CHERRYTREE FARM
SECT 1 AREA 1
LOT 45
ZONED R-20

CHERRYTREE FARM
SECT 1 AREA 1
LOT 39
ZONED R-20

Note: Existing Contours Are Taken From Plans
Prepared by Fisher, Collins & Carter, Inc.
F-89-219

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 6-17-87
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 6-19-87
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 6-18-87
DIRECTOR DATE

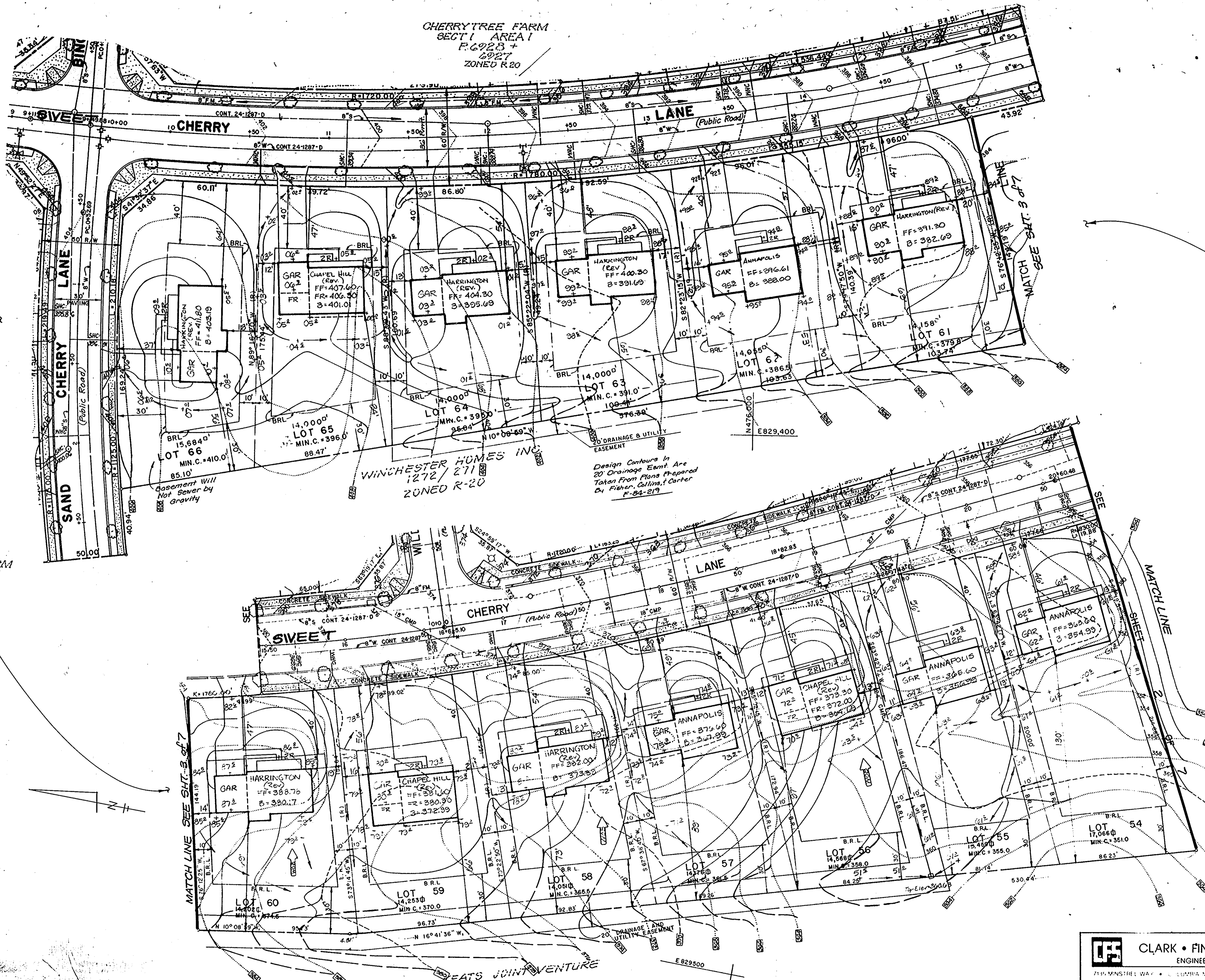
CHIEF BUREAU OF ENGINEERING
[Signature] 6-12-87
DATE

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-4-87
[Signature]

		CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS
DESIGNED CMS	SITE DEVELOPMENT PLAN LOTS 1-11, 37-44 F-81-66	
DRAWN LWG	CHERRYTREE FARM SECTION 1 AREA 1	
CHECKED CMS	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
DATE 3-25-87	FOR: N V Homes 1355 Beverly Road, Suite # 320 McLean, Va. 22101	
	SCALE 1" = 30'	DRAWING 2 of 8
		JOB NO. 87-013
		FILE NO. 87-013X



SDP-87-192



CHERRYTREE FARM
SECT 1 AREA 1
P. 6923 +
6927
ZONED R-20

CHERRYTREE FARM
SECT 1 AREA 1
P. 6923 +
6927
ZONED R-20

CHERRYTREE FARM
SECT 1 AREA 1
P. 6923
ZONED R-20

WINCHESTER HOMES INC.
1272 / 271
ZONED R-20

Design Contours in
20' Drainage Easmt. Are
Taken From Plans Prepared
By Fisher, Collins, & Carter
P. 84-219

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-4-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER *[Signature]* DATE 6-17-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR *[Signature]* DATE 6-19-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR *[Signature]* DATE 6-12-87

CHIEF BUREAU OF ENGINEERING *[Signature]* DATE 6-12-87

		CLARK • FINEROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7114 MINISTREL WAY • LUMBERTON, MD 21086 • (301) 881-7200 • BALTO • (301) 421-8100 • WASH
DESIGNED CM3	SITE DEVELOPMENT PLAN LOTS 1-11, 37-44 & 51-66	
DRAWN LJG	CHERRYTREE FARM SECTION 1 AREA 1	
CHECKED CM3	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
DATE 3-25-87	FOR: N V Homes 6855 Beverly Road, Suite #300 McLean, Va 22101	
	SCALE 1" = 30'	DRAWING 3d B
		JOB NO. 87-013
		FILE NO. 87-013X



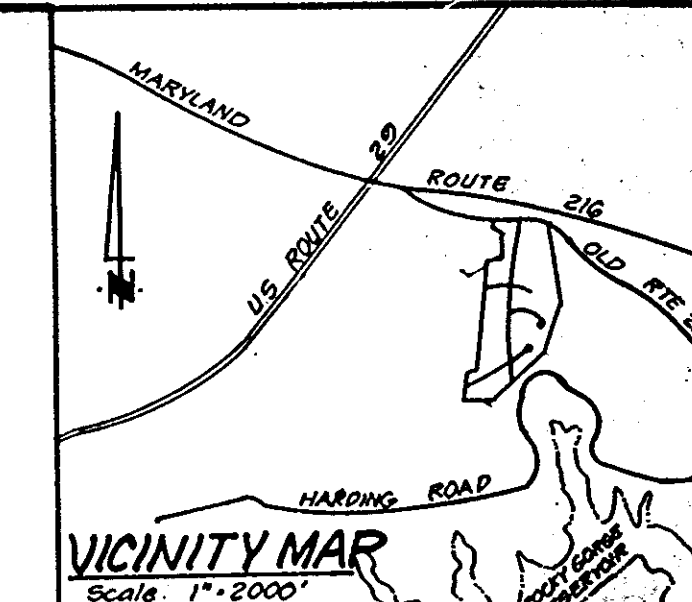
SDP-87-192

TRAP #2 80ST (ST.V)*

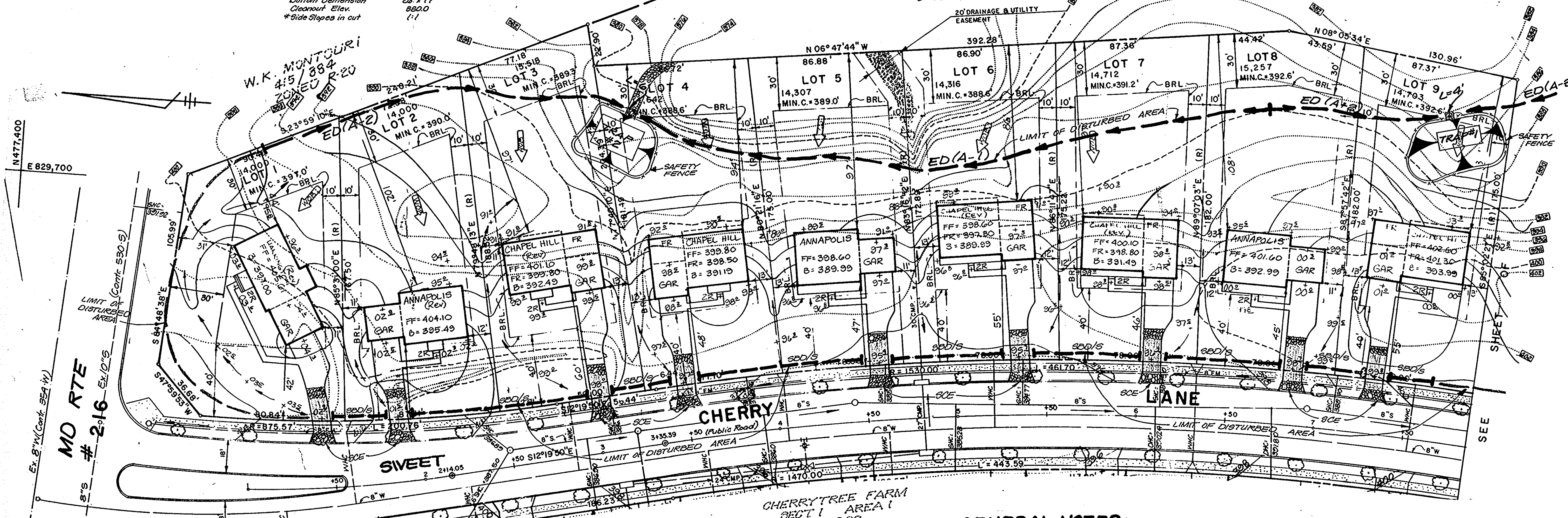
Drainage Area 1.4 Ac.
 Storage Required 2520 cu ft
 Storage Provided 2820 cu ft
 Depth 4.0'
 Top of Stone Crest 889.0
 Bottom Elev. 878.0
 Bottom Dimension 26' x 17'
 Cleanout Elev. 880.0
 *Side Slopes in cut 1:1

TRAP #1 80ST (ST.V)

Drainage Area 0.9 Ac.
 Storage Required 1440 cu ft
 Storage Provided 1440 cu ft
 Depth 3.0'
 Top of Stone Crest 885.0
 Bottom Elev. 881.0
 Bottom Dimension 24' x 10'
 Cleanout Elev. 882.5

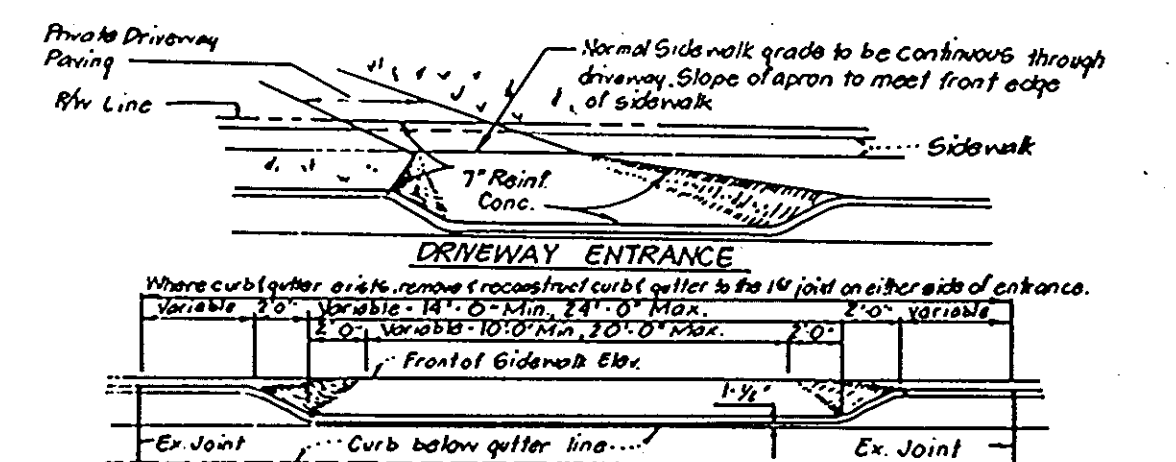


CHERRYTREE FARM SECTION I AREA I LOT 12 OPEN SPACE



GENERAL NOTES:

1. The Land included is zoned: R-20 as per 8-2-85 Comprehensive Zoning Plan
2. Coordinates are based on the Maryland State Grid System
3. All roads are public and existing.
4. Any damage to county owned rights of way is to be corrected at the Developer's expense
5. Total Area included: 11.0998 Acres
6. Total number of Lots: 32
7. The Contractor or Developer shall call the Construction Inspection Division 24 hours in advance of commencement of work at 792-7272.
8. SWM provided in central facility F84-219.
9. Maximum Lot Coverage = 30%



LEGEND:

1. Contour Interval 2 Ft.
2. Existing Contour (solid line)
3. Proposed Contour (dashed line)
4. Spot Elevation (+10E)
5. Direction of Drainage (arrow)
6. Walk-out Basement (hatched area)
7. Ex. Trees to be retained (circle with cross)

DRIVEWAY ABUTTING CLOSED SECTION WITH STD 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *James Bedell* 6-17-87
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR *John Williamson* 6-19-87
 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 *William N. ...* 6-12-87
 CHIEF BUREAU OF ENGINEERING *...* 6-12-87

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 5-4-87
...

Reviewed for... S.C.D.
 Name
 and meets Technical Requirements
 Signature *...* Date 6-9-87
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT.
 APPROVED *Stephen L. ...* 6/9/87
 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 *James Deane* 3-26-87
 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 *G. Nelson Clark* 3-26-87
 DATE

Owner/Developer: Cherrytree Venture 6805 Ivy Lane, Suite 200 Greenbelt, Maryland 20770	SUBDIVISION NAME: Cherrytree Farm	SECT./AREA 1/1	LOTS 1-11, 57-60, 61-69
PLAT # 6928	BLOCK # 46	ZONE R-20	TAX/ZONING MAP ELEC. DIST. CENSUS TR. 67th
WATER CODE		SEWER CODE	

CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7200 - BALTO • (301) 812-8100 - WASH

DESIGNED JLS
 DRAWN LJS
 CHECKED JLS
 DATE March 1987

SEDIMENT & EROSION CONTROL PLAN
 LOTS 1-11, 57-60, 61-69
CHERRYTREE FARM
 SECTION I AREA I
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOX: N V Homes
 1855 Beverly Road, Suite # 320
 McLean, Va. 22101

SCALE 1" = 30'
 DRAWING 4 of 8
 JOB NO. 87-013
 FILE NO. 87-0139E

TRAP #2 SOST (ST.V)*
 Drainage Area 22 Ac.
 Storage Req'd 3400 c.f.
 Storage Provided 3400 c.f.
 Depth 4.0'
 Top of Stone Crest 350.0
 Bottom Elev. 345.0
 Bottom Dimension 11'x62'
 Cleanout Elev. 347.0
 * Side Slopes in cut 1:1

TRAP #5 SOST (ST.V)*
 Drainage Area 2.6 Ac.
 Storage Req'd 1080 c.f.
 Storage Provided 1080 c.f.
 Depth 4.0'
 Top of Stone Crest 341.0
 Bottom Elev. 336.0
 Bottom Dimension 11'x11'
 Cleanout Elev. 338.0
 * Side Slopes in cut 1:1

TRAP #4 SOST (ST.V)*
 Drainage Area 0.8 Ac.
 Storage Req'd 1440 c.f.
 Storage Provided 1440 c.f.
 Depth 4.0'
 Top of Stone Crest 329.0
 Bottom Elev. 324.0
 Bottom Dimension 32'x6'
 Cleanout Elev. 326.0
 * Side Slopes in cut 1:1

TRAP #3 SOST (ST.V)*
 Drainage Area 0.7 Ac.
 Storage Req'd 1260 c.f.
 Storage Provided 1260 c.f.
 Depth 3.0'
 Top of Stone Crest 340.0
 Bottom Elev. 336.0
 Bottom Dimension 24'x8'
 * Side Slopes in cut 1:1

KEATS JOINT VENTURE
 09-29-88
 ZONED R-20

CHERRYTREE FARM
 SECT. 1 AREA 1
 P. 6923
 ZONED R20

Note: Existing Contours Are Taken From Plans
 Prepared by Fisher, Collins & Carter, Inc.
 F-84-219.

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

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

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: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 DATE 6-17-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR
 DATE 6-19-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR
 DATE 6-12-87

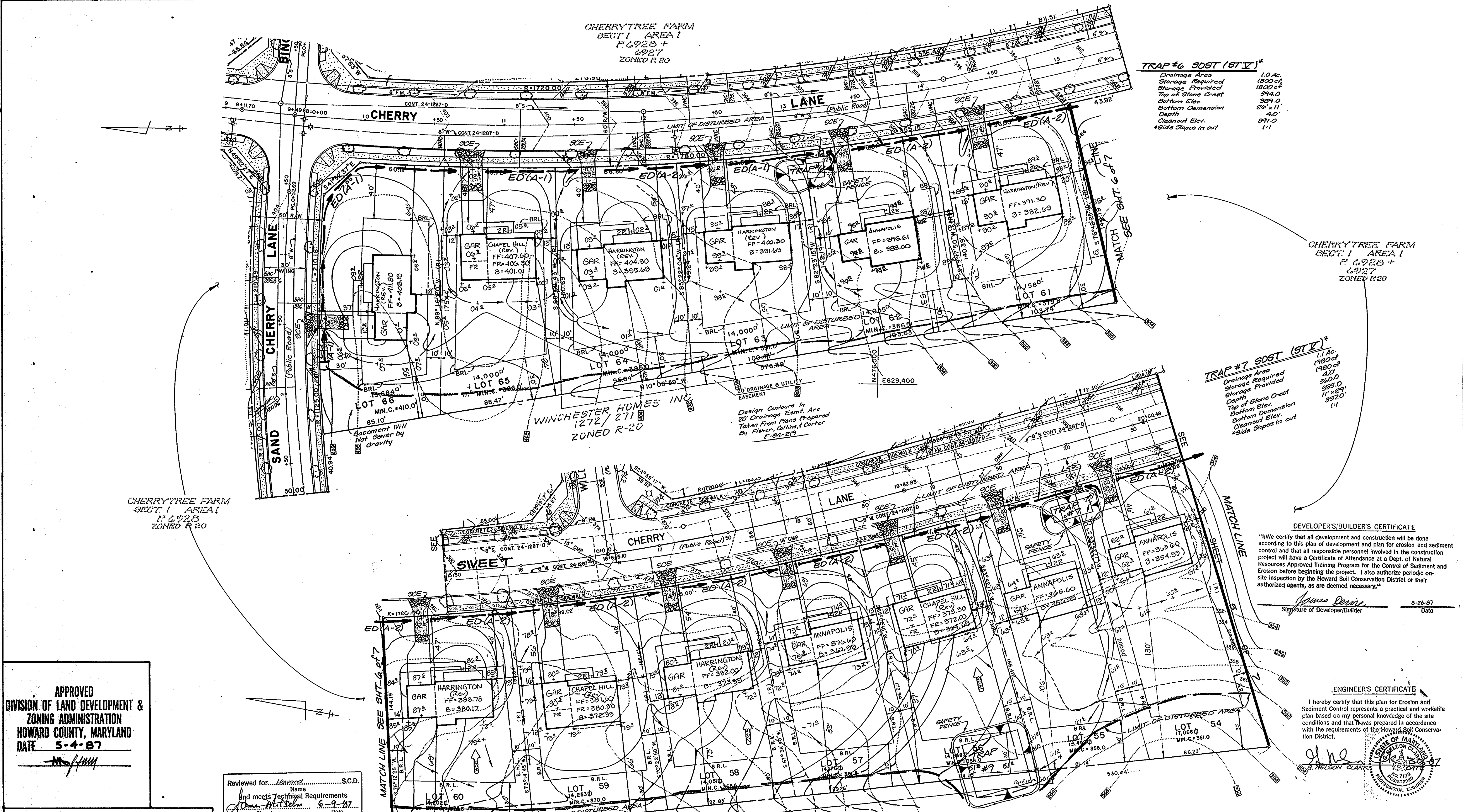
APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 5-4-87

CLARK • FINEPROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7200 - BALTO. • (301) 621-8100 - WASH.

DESIGNED: JLS
 DRAWN: WJG
 CHECKED: JLS
 DATE: 3-28-87

SEDIMENT & EROSION CONTROL PLAN
 LOTS 1-11, 37-44 & 51-66
CHERRY TREE FARM
 SECTION 1 AREA 1
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: N.V. Homes
 1565 Deverly Road, Suite # 320
 McLean, Va. 22101

SCALE: 1"=30'
 DRAWING: 5 of 8
 JOB NO.: 87-013
 FILE NO.: 87-0139E



TRAP #6 SOST (ST.V)*

Drainage Area	1.0 Ac.
Storage Required	1800 cf
Storage Provided	374.0
Top of Stone Crest	389.0
Bottom Elev.	26' x 11'
Bottom Dimension	4.0'
Crest Elev.	391.0
Side Slopes in out	1:1

TRAP #7 SOST (ST.V)*

Drainage Area	1.1 Ac.
Storage Required	1980 cf
Storage Provided	400.0
Top of Stone Crest	360.0
Bottom Elev.	355.0
Bottom Dimension	11' x 23'
Crest Elev.	357.0
Side Slopes in out	1:1

TRAP #9 SIST (ST.III)*

Drainage Area	4.3 Ac.
Storage Required	7740 cf
Storage Provided	7740 cf
Depth	4.0'
Crest Elev.	359.8'
Bottom Elev.	355.8'
Bottom Dimension	41' x 39'
Cleanout Elev.	357.8
Side Slopes in out	1:1

CHERRYTREE FARM
SECT 1 AREA 1
P.C. 6923 +
6927
ZONED R-20

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."

James Devine
Signature of Developer/Builder
3-26-87
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.

G. Nelson Clark
Signature of Engineer
Professional Engineer
No. 7199
State of Maryland

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE **5-4-87**

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER *John P. Taylor* DATE **6-18-87**

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR *John W. Williams* DATE **6-19-87**
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 *John W. Williams* DATE **6-12-87**
CHIEF BUREAU OF ENGINEERING

Reviewed for... *Harwood* Name
and meets Technical Requirements
John M. Deane Signature DATE **6-9-87**
U.S. Soil Conservation Service

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

Stephen P. Clark Signature DATE **6/18/87**
APPROVED

REATS JOINT VENTURE
399/383
ZONED R-20

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSIEL WAY • COLUMBIA MD 21045 • (301) 381-7200 • BALTO • (301) 621-8100 - WASH

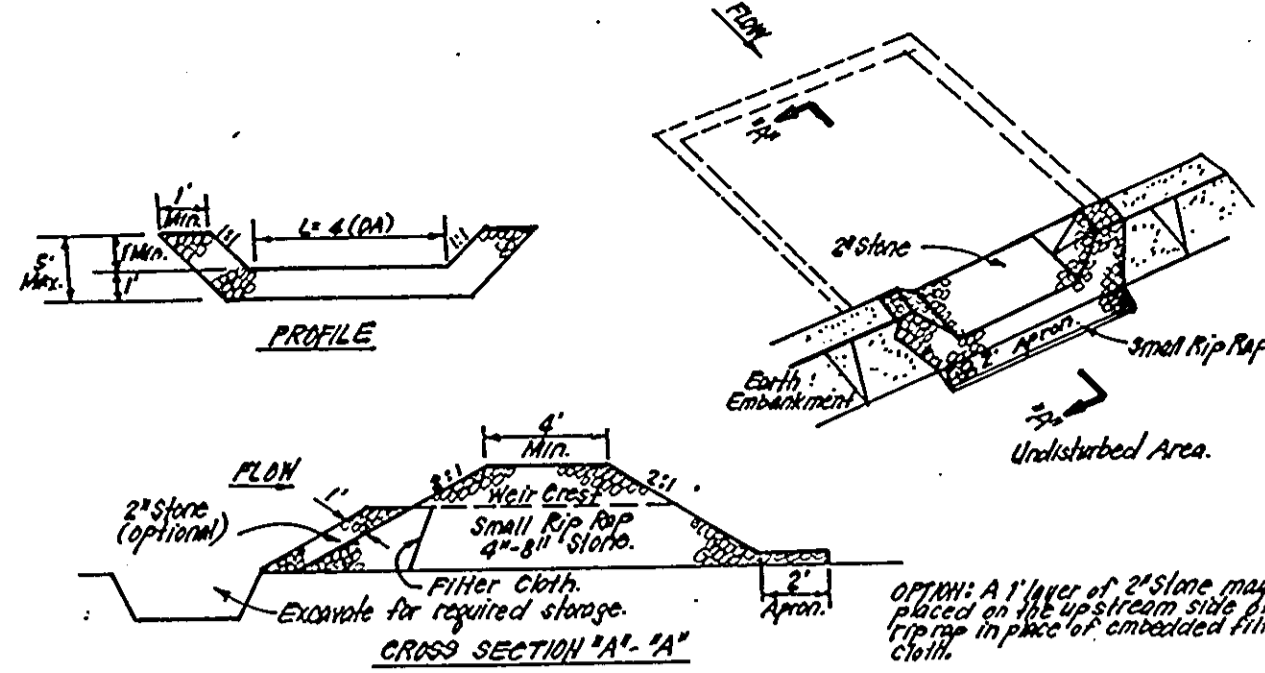
DESIGNED	JLS	SCALE	1" = 30'
DRAWN	LJB	DRAWING	6 of 8
CHECKED	JLS	JOB NO.	87-013
DATE	3-25-87	FILE NO.	87-0135E

SEDIMENT & EROSION CONTROL PLAN
LOTS 1-11, 37-44, 51-66

CHERRYTREE FARM
SECTION 1 AREA 1

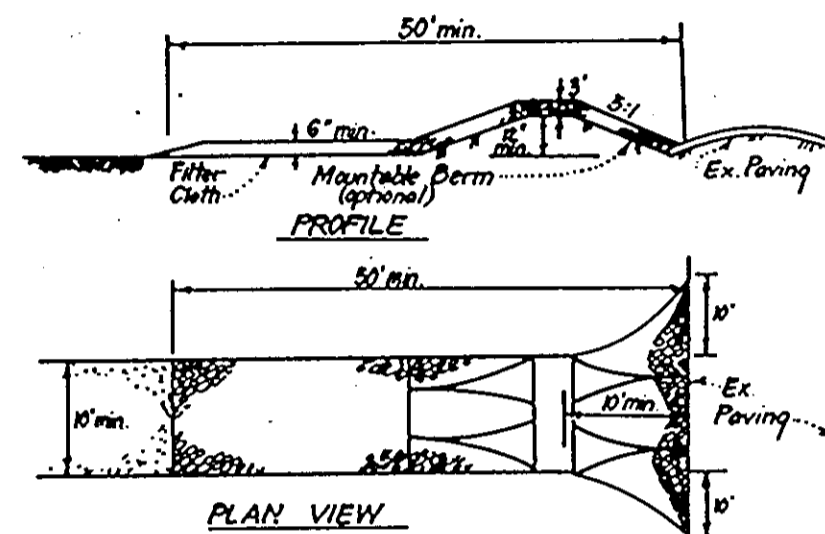
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: N.V. Homes
1365 Beverly Road, Suite #320
McLean, Va. 22101



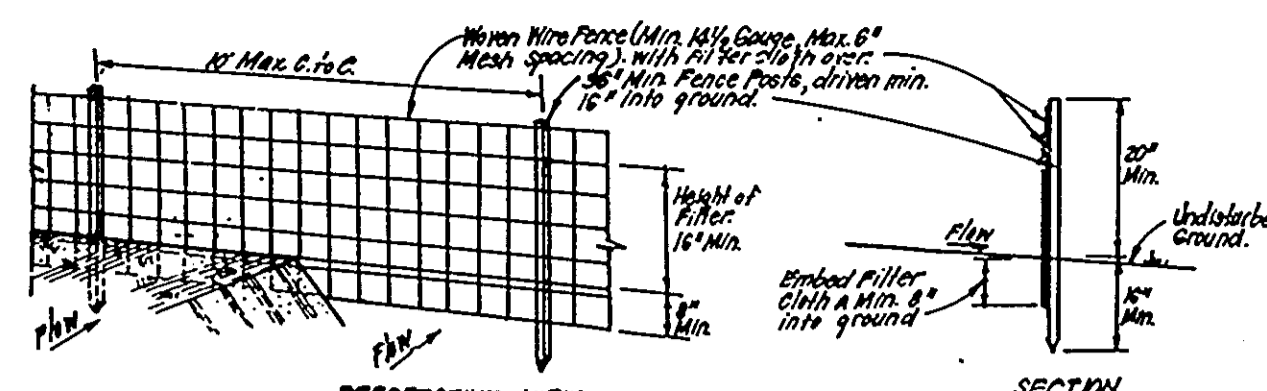
- CONSTRUCTION SPECIFICATIONS:**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The root mat shall be cleared.
 - The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by tampering with equipment while it is being constructed.
 - The stone used in the outlet shall be small rip rap 4" x 8" along with 1" thickness of 2" aggregate placed on the up-grade side in the small rip rap of established filter cloth in the rip rap.
 - Sediment shall be trapped and trapped in 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.
 - The structure 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.) ST.V.
NO SCALE



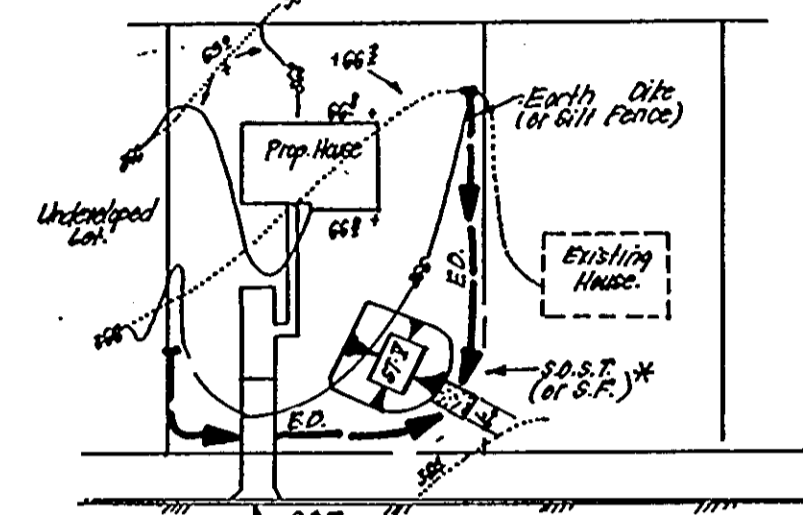
- CONSTRUCTION SPECIFICATIONS:**
- Stone size - Use 2" stone, or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) feet minimum, but not less than the full width of points 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 directed toward construction entrance shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or blowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone, be condition demand and repair and for cleanup of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 - Working - 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



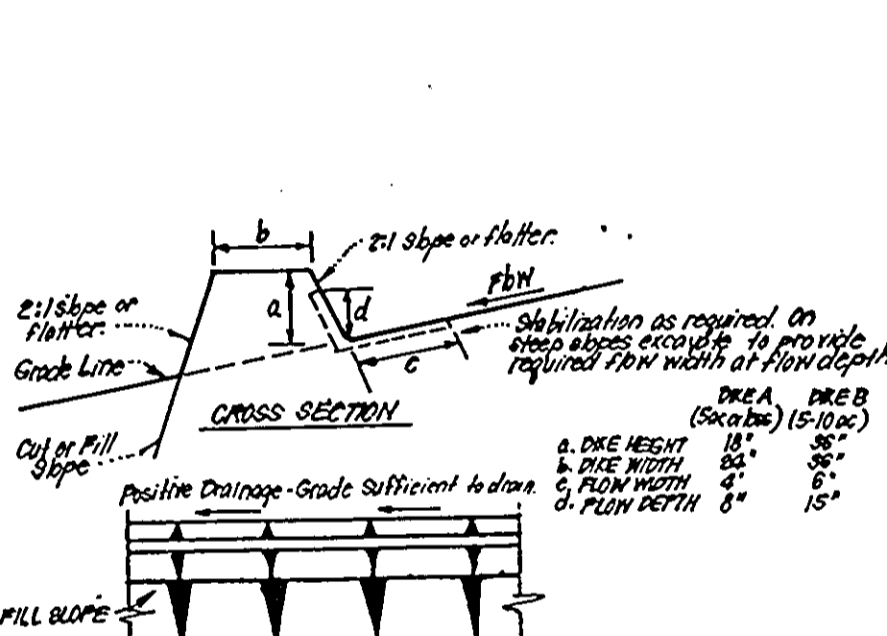
- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with ties spaced every 36" at top and mid section.
 - When 2 sections of filter cloth adjoin each other they shall be fastened per #1 and #2.
 - Maintenance shall be performed as needed and material removed when "bulges" develop in filter fabric.

SILT FENCE DETAIL (S)
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.

SINGLE LOT SEDIMENT CONTROL PLAN
NO SCALE



- CONSTRUCTION SPECIFICATIONS:**
- All dikes shall be constructed 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 vehicles.
 - Outlet location should be adjusted as needed to utilize a stabilized safe outlet.
 - Earth dikes shall have an outlet that functions with a minimum of erosion. Repair shall be conveyed to 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: (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	FLOW CHANNEL STABILIZATION	
		DIKE A	DIKE B
1	0.5 - 3.0%	Seed & straw mulch	Seed or straw mulch
2	3.1 - 6.0%	Seed & straw mulch	Seed with or without 2" stone
3	6.1 - 10.0%	Seed with or without 2" stone	Lined Rip Rap or 2" stone
4	10.1 - 20.0%	Lined Rip Rap or 2" stone	Engineering Design

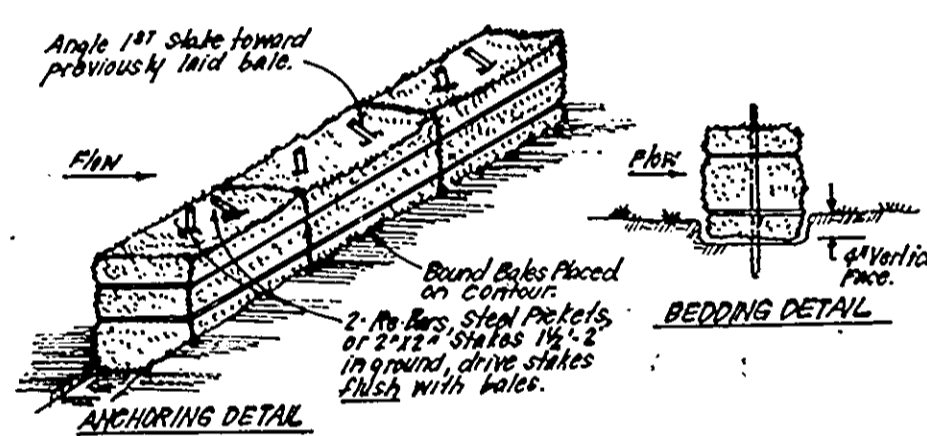
- Stone to be 2" stone, or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment.
- Rip rap to be 4" in a layer at least 3" thick, pressed into soil.
- Approved equivalents can be substituted for any of the above materials.

EARTH DIKE DETAIL (E.D.)
NO SCALE

SEDIMENT 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. (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or 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 perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 51). 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	11,862 Acres
Area Disturbed	10,300 Acres
Area to be roofed or paved	2,816 Acres
Area to be vegetatively stabilized	8,228 Acres
Total Cut	17,860 Cu. yds
Total Fill	15,160 Cu. yds
Offsite waste/borrow area location	N/A
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County 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 disturbing or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- If houses are to be constructed on "Ae-Bold" soils, at random, single lot sediment control as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail below). N/A
- The total amount of straw bale dikes/all fence equals 1188 L.F.



- 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-bar driven thru the bale. The 1st stake in each side shall be driven through 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

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, discing or other acceptable means before seeding.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 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 seed, 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 redistributed where a short-term vegetative cover is needed.

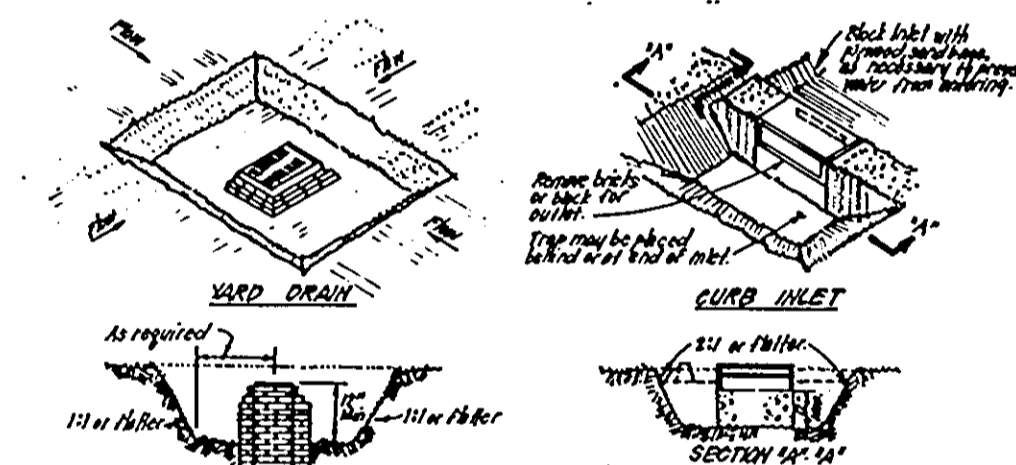
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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 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 seed.

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.



- CONSTRUCTION SPECIFICATIONS:**
- Sediment trap shall be removed and the area reseeded with approved seed when sediment has accumulated to 1/2 the design depth of the trap. Encouraged drainage when sediment has accumulated to 1/2 the design depth of the trap. Encouraged drainage shall be indicated in a note on the plan.
 - The volume of sediment trapped shall be 200 cu. yds of construction drainage.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction specifications shall be carried out in such a manner that erosion and water pollution is minimized.
 - The sediment trap shall be removed and the area stabilized when the construction drainage area has been properly stabilized.
 - All cut slopes shall be stabilized.

STORM INLET SEDIMENT TRAP (S.I.S.T.) ST. III
NO SCALE

CONSTRUCTION SEQUENCE:

	Nº. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	30
B. Excavate for foundations and Rough Grade of Temporary Stabilize.	150
C. Construct Structures, Sidewalks and Driveways.	180
D. Final Grade and stabilize in accordance with Stds. & Specs.	30
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	30

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 6-17-87
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 6-19-87
 APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
 DIRECTOR: [Signature] DATE: 6-12-87
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 6-12-87

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 5-4-87

Reviewed for... Howard... S.C.D. Name
 and meets Technical Requirements
 Signature: [Signature] Date: 6-9-87
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: [Signature] DATE: 6-9-87

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."

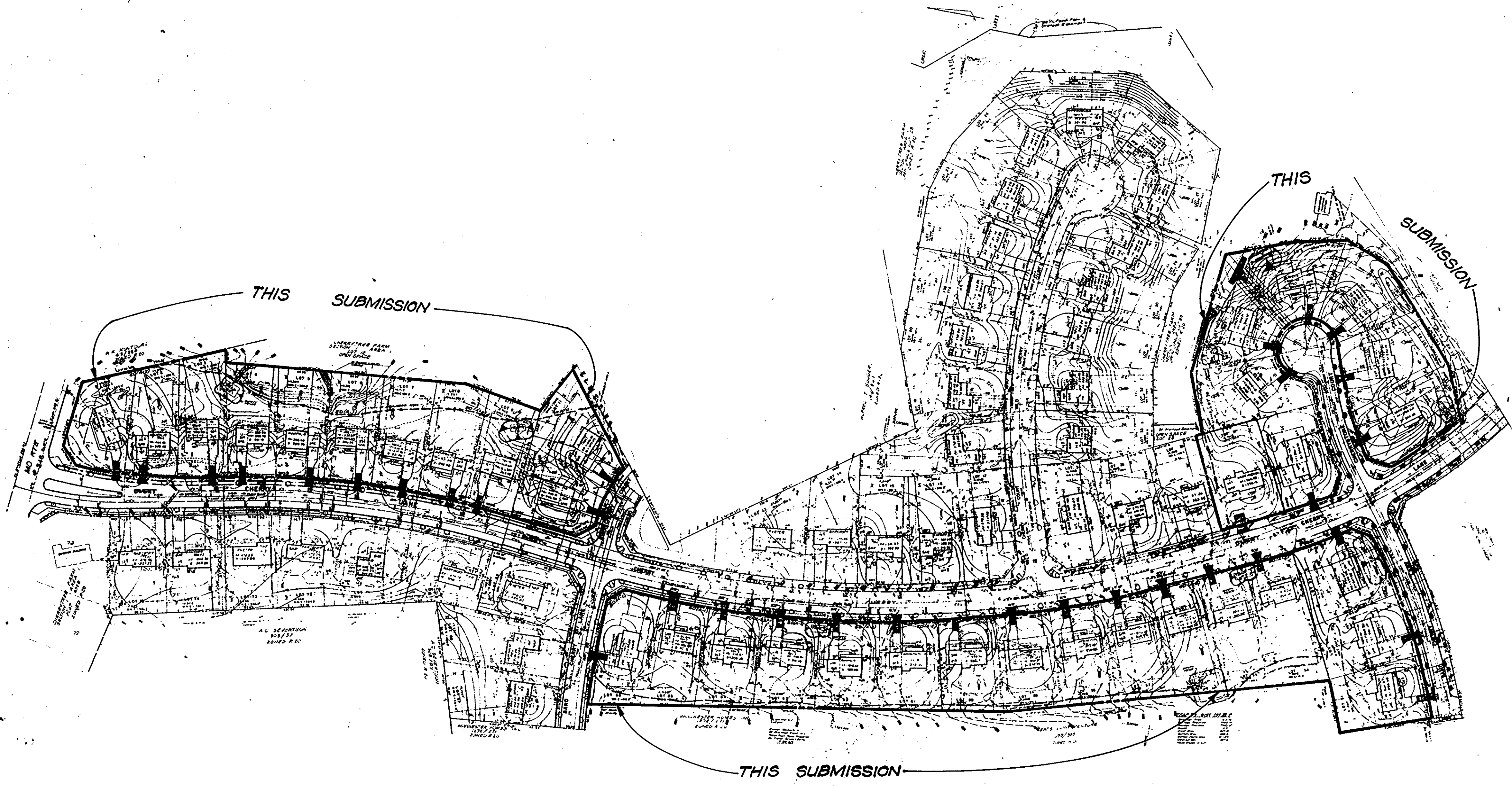
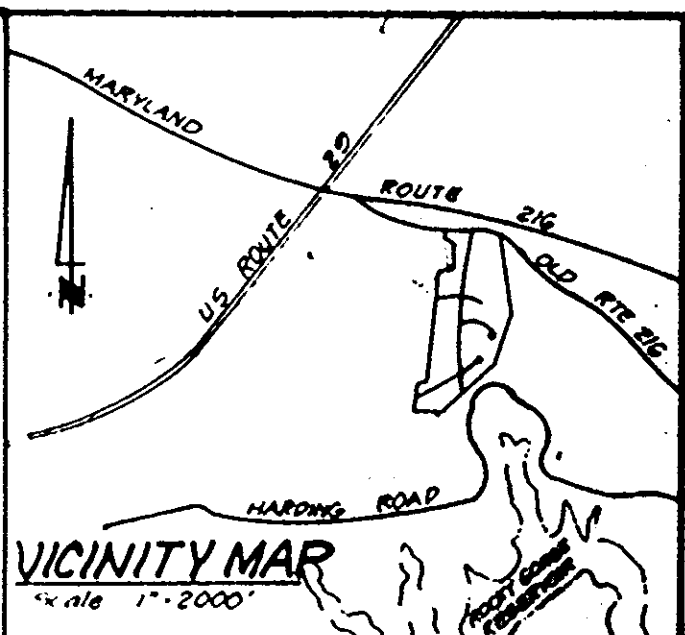
Signature of Developer/Builder: [Signature] Date: 6-26-87

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 of Engineer: [Signature] Date: 6-26-87
 G. NELSON CLARK, P.E.

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7200 - BALTO • (301) 671-8100 - WASH
 DESIGNED: JLS
 DRAWN: LWB
 CHECKED: JLS
 DATE: 3-25-87
 SCALE: 1"=30'
 DRAWING: 7 of 8
 JOB NO.: 87-013
 FILE NO.: 87-013BE
 CHERRY TREE FARM SECTION I AREA I
 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 FOR: N.V. Homes 1985 Beverly Road, Suite # 320 McLean, Va. 22101



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

James P. Am... 6-17-87
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

John W. Munchman 6-19-87
PLANNING DIRECTOR DATE

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

William E. N... 6-12-87
DIRECTOR DATE

William E. N... 6-12-87
CHIEF BUREAU OF ENGINEERING DATE

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-4-87

Reviewed for: HOWARD S.C.D.
Name
and meets Technical Requirements
James M. ... 6-9-87
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. Huber 4/9/87
Signature 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."

James Deane 5-27-87
Signature of Developer/Builder Date

ENGINEER'S CERTIFICATE

"I Heretby 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 5-27-87
Signature Date

STATE OF MARYLAND
NO. 7198
REGISTERED
PROFESSIONAL ENGINEER

		CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7200 - BALTO. • (301) 621-8100 - WASH.
DESIGNED	JLS	SCALE 1" = 100'
DRAWN	BAL	DRAWING 8 of 8
CHECKED	JLS	JOB NO. 87-013
DATE	MAY, 1987	FILE NO. 87-013 SE
SEDIMENT & EROSION CONTROL COMPOSITE DRAWING LOTS 1-11, 37-44 & 51-66 CHERRY TREE FARMS SECTION 1 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		FOR: NV HOMES 1355 BEVERLY ROAD, SUITE 320 McLEAN, VA. 22101