

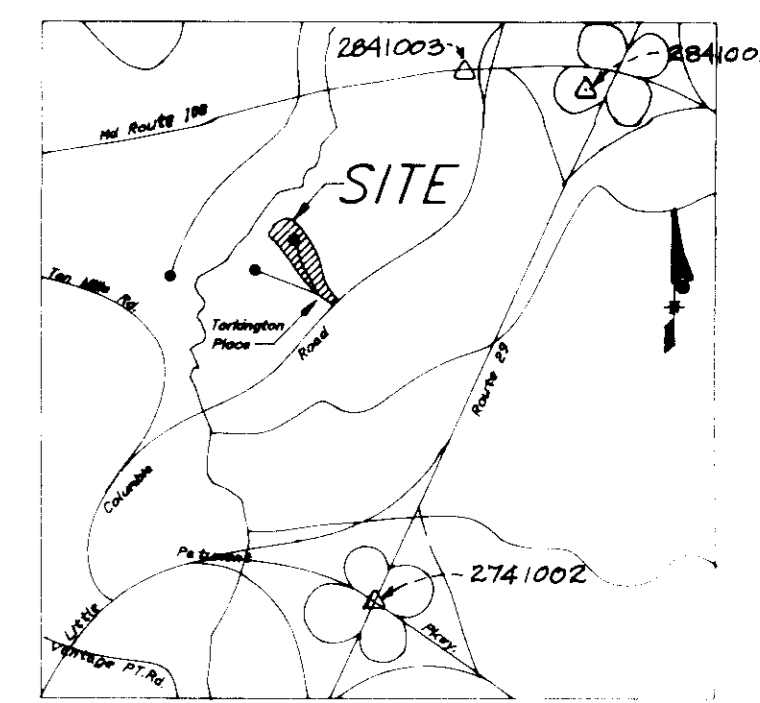
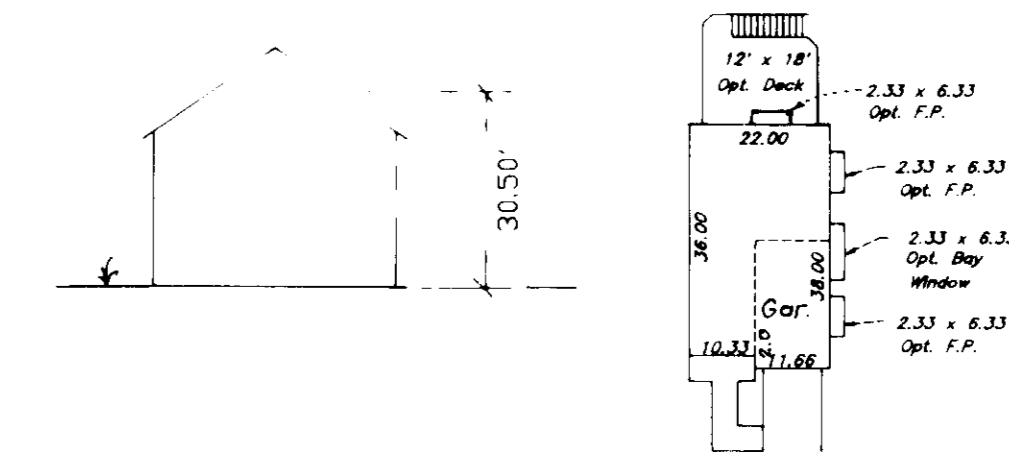
SEWER HOUSE CONNECTION LOT CHART

LOT	ELEV	LOT	ELEV	LOT	ELEV	LOT	ELEV	LOT	ELEV	LOT	ELEV	LOT	ELEV
F-75	350.3	F-134	341.7	F-91	327.9	F-140	330.6	F-107	338.8	F-115	346.6	F-123	351.8
F-76	350.0	F-135	340.7	F-92	327.4	F-141	331.0	F-108	339.2	F-116	347.2	F-124	352.1
F-77	349.4	F-136	339.4	F-93	326.3	F-142	331.4	F-109	341.0	F-117	347.2	F-125	352.8
F-78	348.0	F-137	338.9	F-94	326.8	F-143	331.4	F-110	341.6	F-118	348.0	F-126	352.7
F-79	345.0	F-138	337.8	F-95	328.4	F-144	332.0	F-111	342.8	F-119	348.8		
F-80	344.3	F-139	337.0	F-96	328.8	F-145	333.1	F-112	343.5	F-120	348.4		
F-81	343.6	F-140	336.8	F-97	328.8	F-146	333.9	F-113	343.9				
F-82	342.4	F-141	336.2	F-98	328.8	F-147	334.8	F-114	345.6				

ADDRESS CHART

LOT	STREET ADDRESS	LOT	STREET ADDRESS	LOT	STREET ADDRESS
F-75	5311 CHASE LIONS WAY	F-93	5355 CHASE LIONS WAY	F-110	5304 CHASE LIONS WAY
F-76	5312 CHASE LIONS WAY	F-94	5356 CHASE LIONS WAY	F-111	5305 CHASE LIONS WAY
F-77	5313 CHASE LIONS WAY	F-95	5357 CHASE LIONS WAY	F-112	5306 CHASE LIONS WAY
F-78	5314 CHASE LIONS WAY	F-96	5358 CHASE LIONS WAY	F-113	5307 CHASE LIONS WAY
F-79	5315 CHASE LIONS WAY	F-97	5359 CHASE LIONS WAY	F-114	5308 CHASE LIONS WAY
F-80	5316 CHASE LIONS WAY	F-98	5360 CHASE LIONS WAY	F-115	5309 CHASE LIONS WAY
F-81	5317 CHASE LIONS WAY	F-99	5361 CHASE LIONS WAY	F-116	5310 CHASE LIONS WAY
F-82	5318 CHASE LIONS WAY	F-100	5362 CHASE LIONS WAY	F-117	5311 CHASE LIONS WAY
F-83	5319 CHASE LIONS WAY	F-101	5363 CHASE LIONS WAY	F-118	5312 CHASE LIONS WAY
F-84	5320 CHASE LIONS WAY	F-102	5364 CHASE LIONS WAY	F-119	5313 CHASE LIONS WAY
F-85	5321 CHASE LIONS WAY	F-103	5365 CHASE LIONS WAY	F-120	5314 CHASE LIONS WAY
F-86	5322 CHASE LIONS WAY	F-104	5366 CHASE LIONS WAY	F-121	5315 CHASE LIONS WAY
F-87	5323 CHASE LIONS WAY	F-105	5367 CHASE LIONS WAY	F-122	5316 CHASE LIONS WAY
F-88	5324 CHASE LIONS WAY	F-106	5368 CHASE LIONS WAY	F-123	5317 CHASE LIONS WAY
F-89	5325 CHASE LIONS WAY	F-107	5369 CHASE LIONS WAY	F-124	5318 CHASE LIONS WAY
F-90	5326 CHASE LIONS WAY	F-108	5370 CHASE LIONS WAY	F-125	5319 CHASE LIONS WAY
F-91	5327 CHASE LIONS WAY	F-109	5371 CHASE LIONS WAY	F-126	5320 CHASE LIONS WAY
F-92	5328 CHASE LIONS WAY				

TYPICAL HOUSE

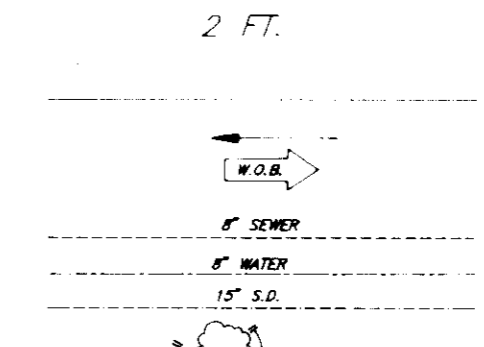


VICINITY MAP

SCALE: 1"=200'

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
- TREE PROTECTION FENCE



SITE ANALYSIS

- Zoned: Newtown Single Family Attached
- Area of lots: 2.424 Acres
- No. of Units Proposed: 50
- Parking Spaces Required: 104
- Parking Spaces Provided: 120
- 40 Units w/Garage: 80
- 12 Units w/o Garage: 24
- Additional Spaces: 24
- Building Coverage: N/A 46% (lot Area Only)
- All units having one car garages shall be used for parking purposes only in accordance with FDP 191-A-1 and Section 127-B.2b(18) of the Howard County Zoning Regulations.
- Type of Unit proposed:
- Open space: 2.18 Ac.
- Public Road Area: 1.10 Ac.

SHEET INDEX

- Site Development Plan 1 of 4
- Sediment & Erosion Plan 2 of 4
- SDP & Sediment & Erosion Control Details 3 of 4
- Landscape Plan 4 of 4

GENERAL NOTES

- All work shall be done in accordance with Ho Co Manual Vol 11, Signs and Specs and Details for construction, 1989 Amendments
- Subject property zoned Newtown per B 2-85 Comprehensive Zoning Plan
- The coordinates shown herein are based on Maryland State Grid System as projected by Geodetic Control Station Nos 2841002, 2841003 and 2741002
- All roads are public and existing
- Any damage to county owned rights of way, to be corrected at the developer's expense
- Total area included: 2.424 Acres
- Total number of lots: 52
- The Contractor or developer shall contact the Construction Inspection Survey Division 24 Hrs in advance of commencement of work at 792-2630
- Ref. Nos F-86-26, FDP 191-A, WP-89-179, S-89-89, F-90-30, F-91-35, F-92-47
- Stormwater Management Quality Control is provided in Central facility under F-91-35
- Minimum building setback restrictions from property lines and rights of way of any public road or street to be in accordance with final development plan - Phase 191-A-1
- Improvements shown within the rights of way on this SDP are not to be used for construction and construction, see approved road construction plans 191-A-1 and 4-8 plans 274-102
- The 30' wide utility easement shown in section 1 Area 1 is shown returned to reference to the Little Patuxent Hydrology Study, volume 1 Synops Attachment, sheets numbered D-4-1007-227-41, D-4-1007-228-41 and D-4-1007-229-41 as prepared by Century Engineering Inc. from Aerial Photography dated 1971
- Environmental Analysis is submitted with previous approved Sketch Plan 589-R
- Approved Road Construction Plans shall be used for all utilities
- The water and sewer shown is for reference only, for more detailed information, see water and sewer plans Contract No. 24-3032-0
- The water and sewer house connections not included in a "Developer's Agreement" shall conform to Howard County Plumbing Code. The on-site WHC shall be 1" copper and the WHC shall be 4" iron
- The reduction of the 30' foot BRR from the edge of the public right-of-way, as stipulated by FDP 191-A-1, to 20 feet is as approved November 22, 1989, by the Planning Board for units with integral garages
- No clearing, grading or construction is permitted within wetland or stream buffer
- For driveway abutting detail see Howard Co. STD R-6.03 and R-6.05
- Wetlands shown were based on study by Century Engineering, 4-11-90
- Limit of Submission Includes Lots F-75 - F-82, F-89 - F-98, F-103 - F-119, F-122 - F-126, F-134 - F-146

SQUARE FOOTAGE LOT CHART

LOT	S.F.	LOT	S.F.	LOT	S.F.	LOT	S.F.	LOT	S.F.	LOT	S.F.
F-75	2320	F-134	2523	F-91	2175	F-140	2395	F-107	2362	F-115	2336
F-76	1760	F-135	2617	F-92	2231	F-141	1910	F-108	1895	F-116	1931
F-77	1823	F-136	1873	F-93	1282	F-142	1790	F-109	1980	F-117	1768
F-78	2260	F-137	1821	F-94	1791	F-143	2200	F-110	1980	F-118	1725
F-79	2141	F-138	1914	F-95	2217	F-144	2380	F-111	1870	F-119	1665
F-80	1782	F-139	2378	F-96	2220	F-145	1844	F-112	1870	F-120	1716
F-81	1840	F-140	2140	F-97	1935	F-146	1760	F-113	1804	F-121	2262
F-82	1841	F-90	1716	F-98	2254	F-106	2320	F-114	2343	F-122	2247

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

APPROVED FOR PLANNING AND ZONING
HOWARD COUNTY DEPT. OF PLANNING AND ZONING

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

DATE: 3/25/92
DATE: 3/2/92
DATE: 3/18/92
DATE: 3/18/92



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

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 881-7500 • BALTO • (301) 671-8100 • WASH

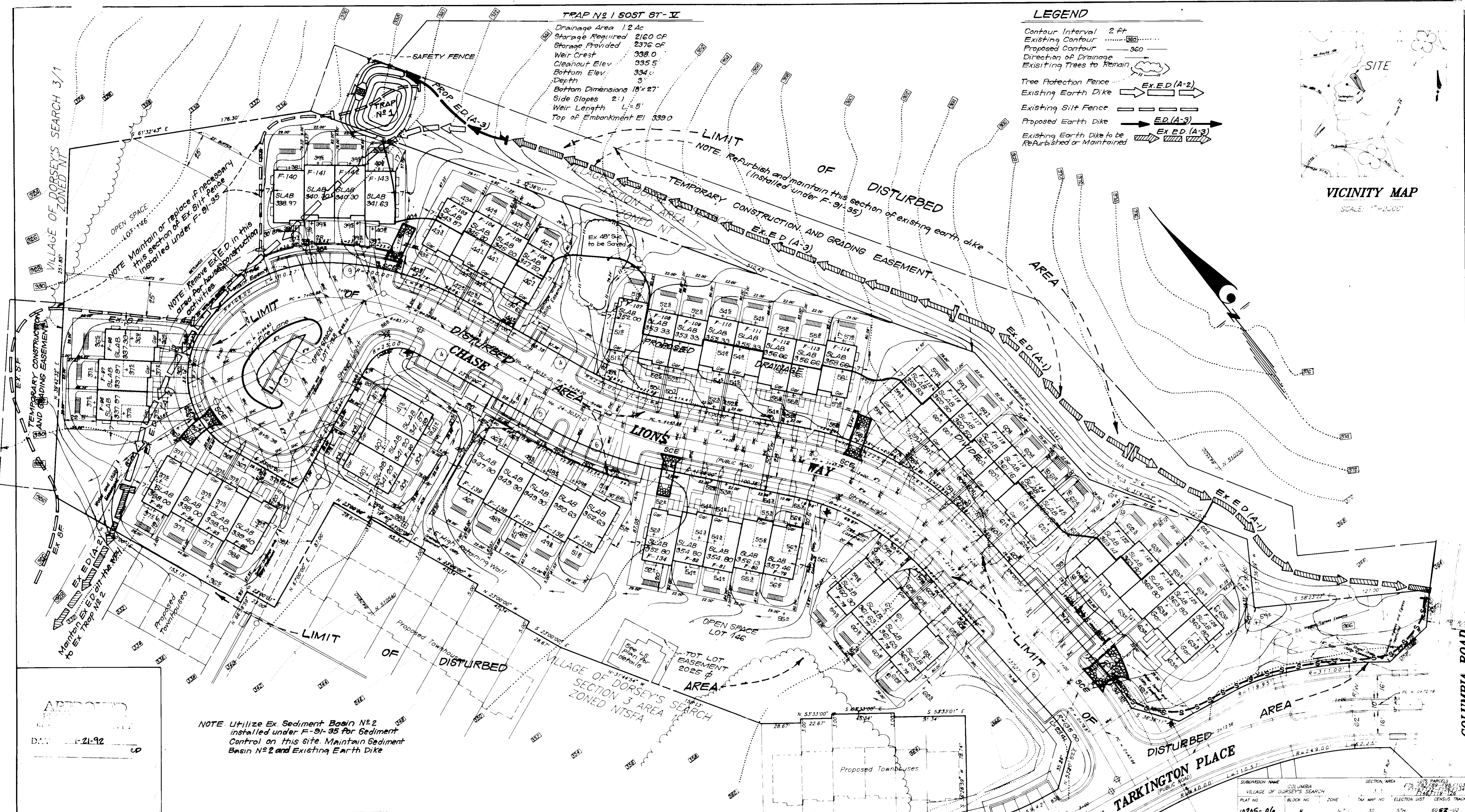
DESIGNED: MUP
DRAWN: CVH, BAL
CHECKED: WHT
DATE: 11-15-91

SITE DEVELOPMENT PLAN
LOTS F-75 thru F-82, F-89 thru F-98, F-103 thru F-119, F-122 thru F-126, F-134 thru F-146

COLUMBIA
VILLAGE OF DORSEY'S SEARCH
SECTION 3 AREA 1
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS
P.O. Box 993
Columbia, Maryland 21044

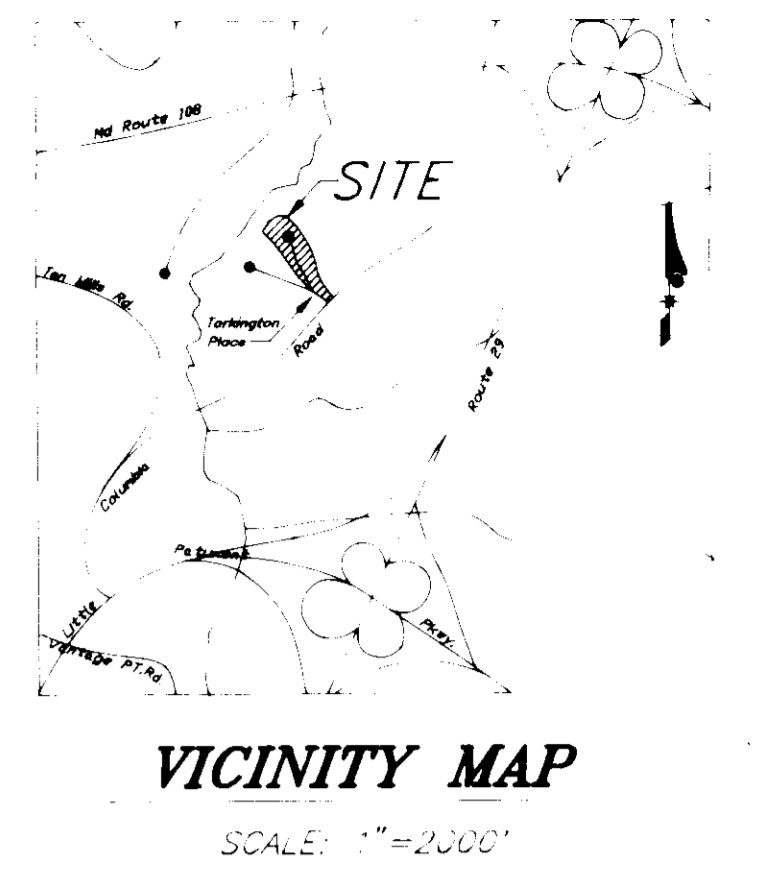
SCALE: 1"=30'
DRAWING: 1 OF 4
JOB NO: 91-110
FILE NO: 91-110-X



TRAP No. 1 SOST ST-V
 Drainage Area 1.2 Ac
 Storage Required 2160 CF
 Storage Provided 2376 CF
 Weir Crest 338.0
 Cleanout Elev. 335.5
 Bottom Elev. 334.0
 Depth 3
 Bottom Dimensions 18'x27'
 Side Slopes 2:1
 Weir Length L=5'
 Top of Embankment El. 339.0

LEGEND
 Contour Interval 2 Ft
 Existing Contour
 Proposed Contour
 Direction of Drainage
 Existing Trees to Remain

Tree Protection Fence
 Existing Earth Dike → EX.E.D. (A-2)
 Existing Silt Fence →
 Proposed Earth Dike → E.D. (A-3)
 Existing Earth Dike to be Rebuilt or Maintained → EX.E.D. (A-3)



NOTE: Maintain or replace if necessary this section of Ex. Silt Fence installed under F-91-35

NOTE: Remove Ex. E.D. in this area for House Construction

NOTE: Utilize Ex. Sediment Basin No. 2 installed under F-91-35 for Sediment Control on this site. Maintain Sediment Basin No. 2 and Existing Earth Dike

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 2-25-92

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 3/2/92

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 2-18-92

Reviewed for: **HOWARD** S.C.D.
 and meets Technical Requirements
 Signature: [Signature] DATE: 2/10/92
 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: 2/10/92

DEVELOPER'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 Md. Dept. of 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.

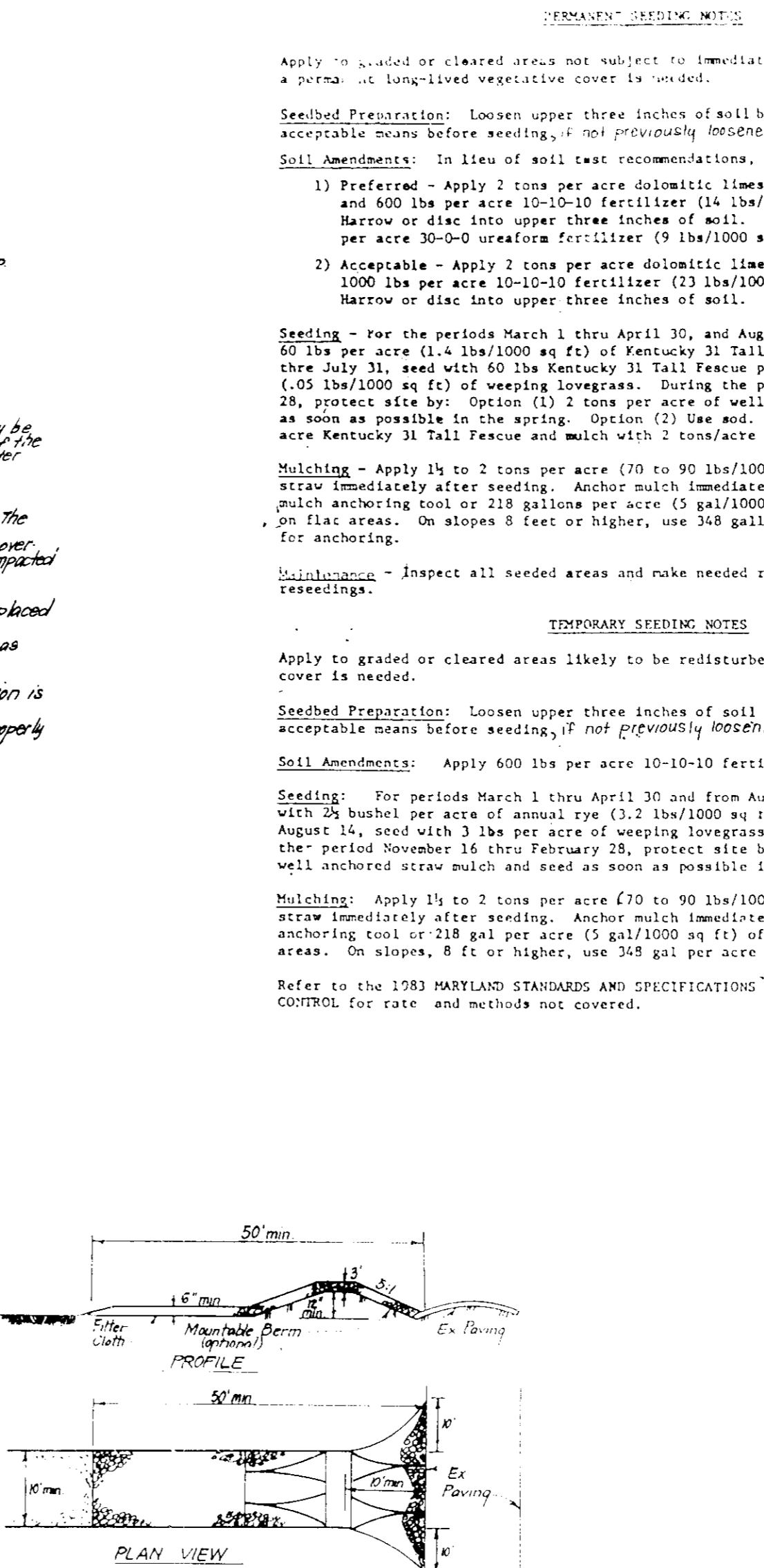
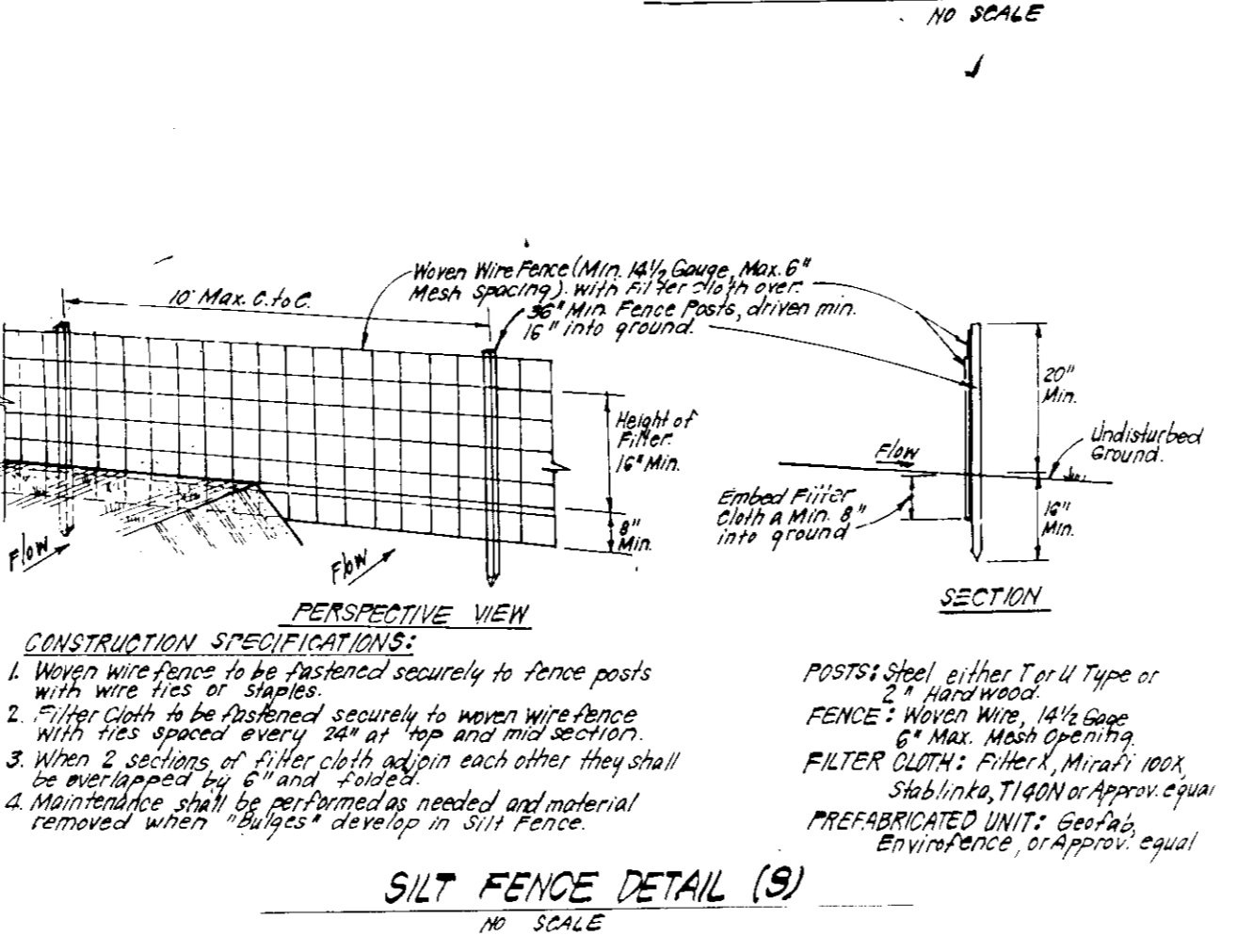
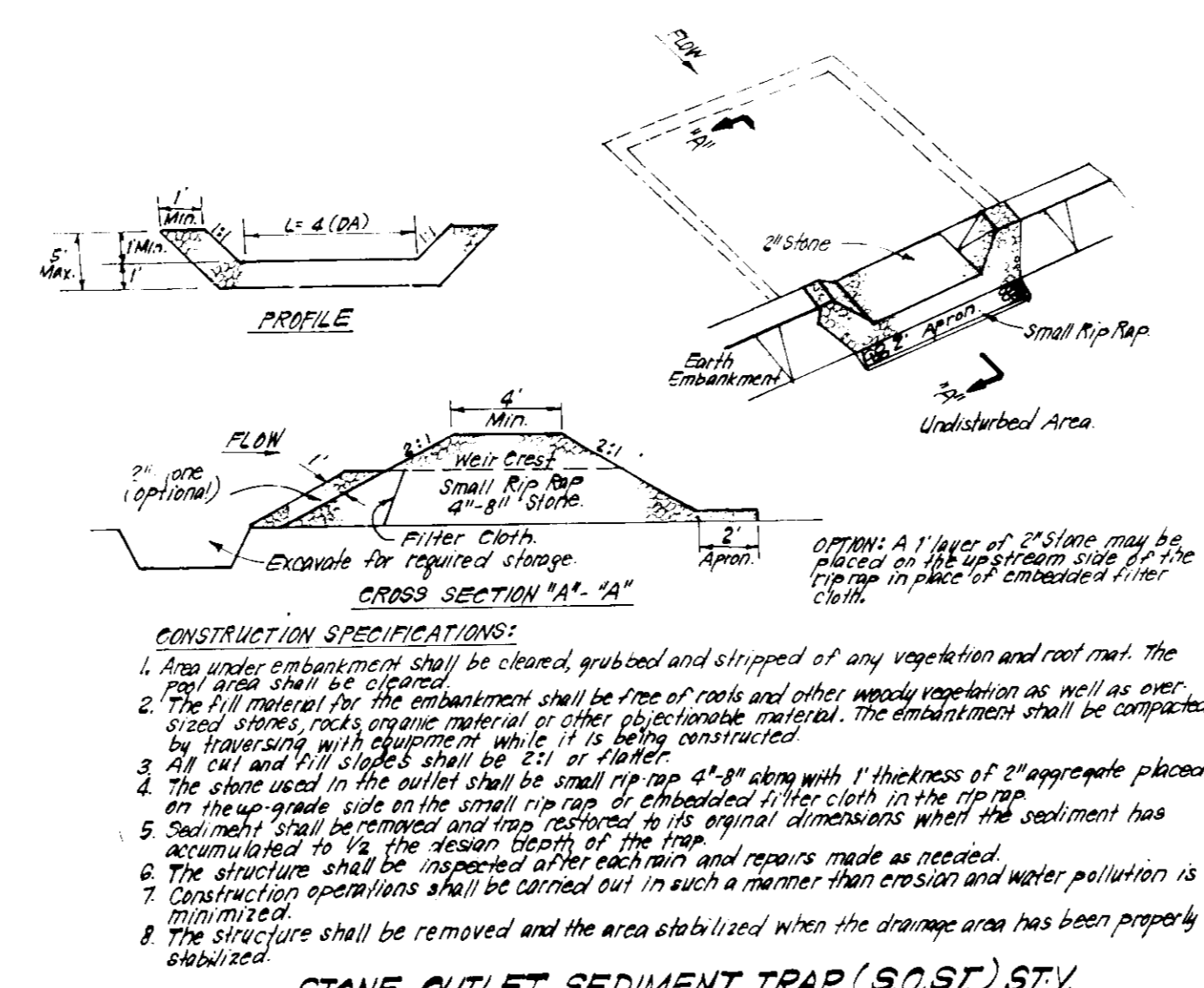
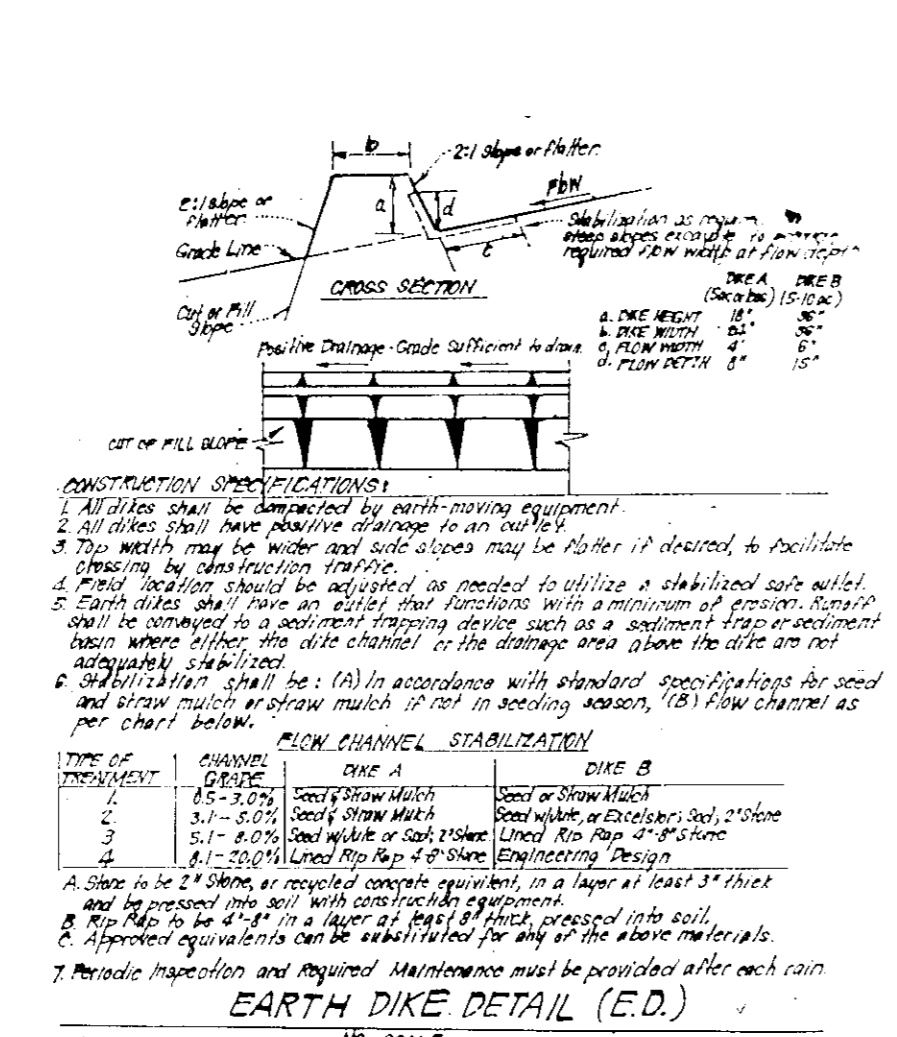
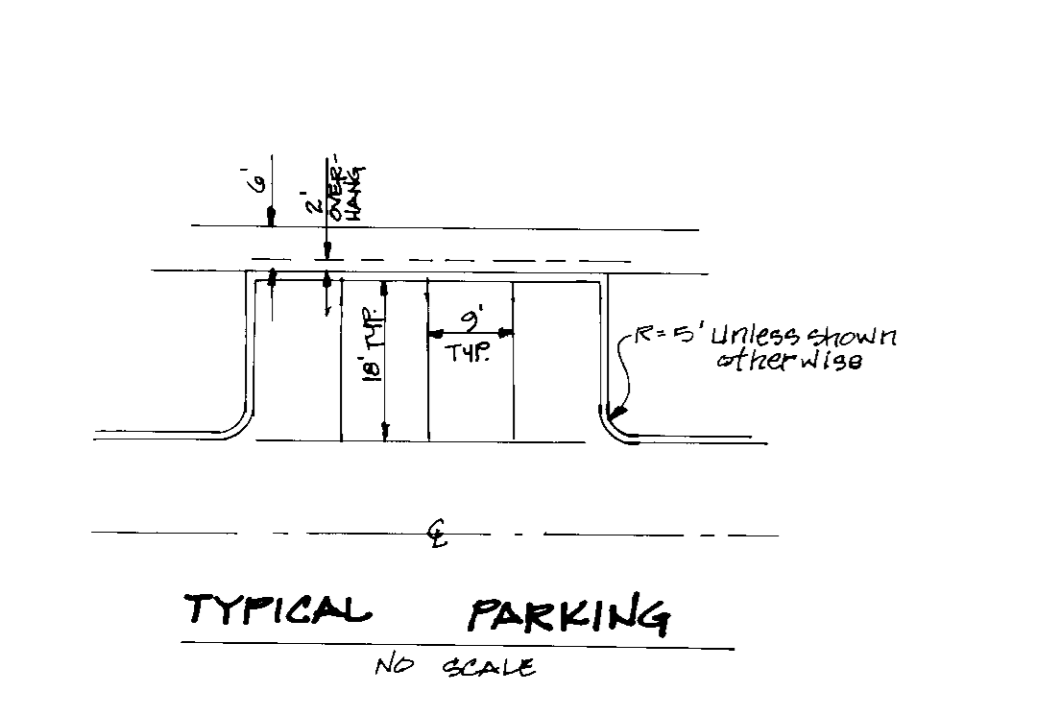
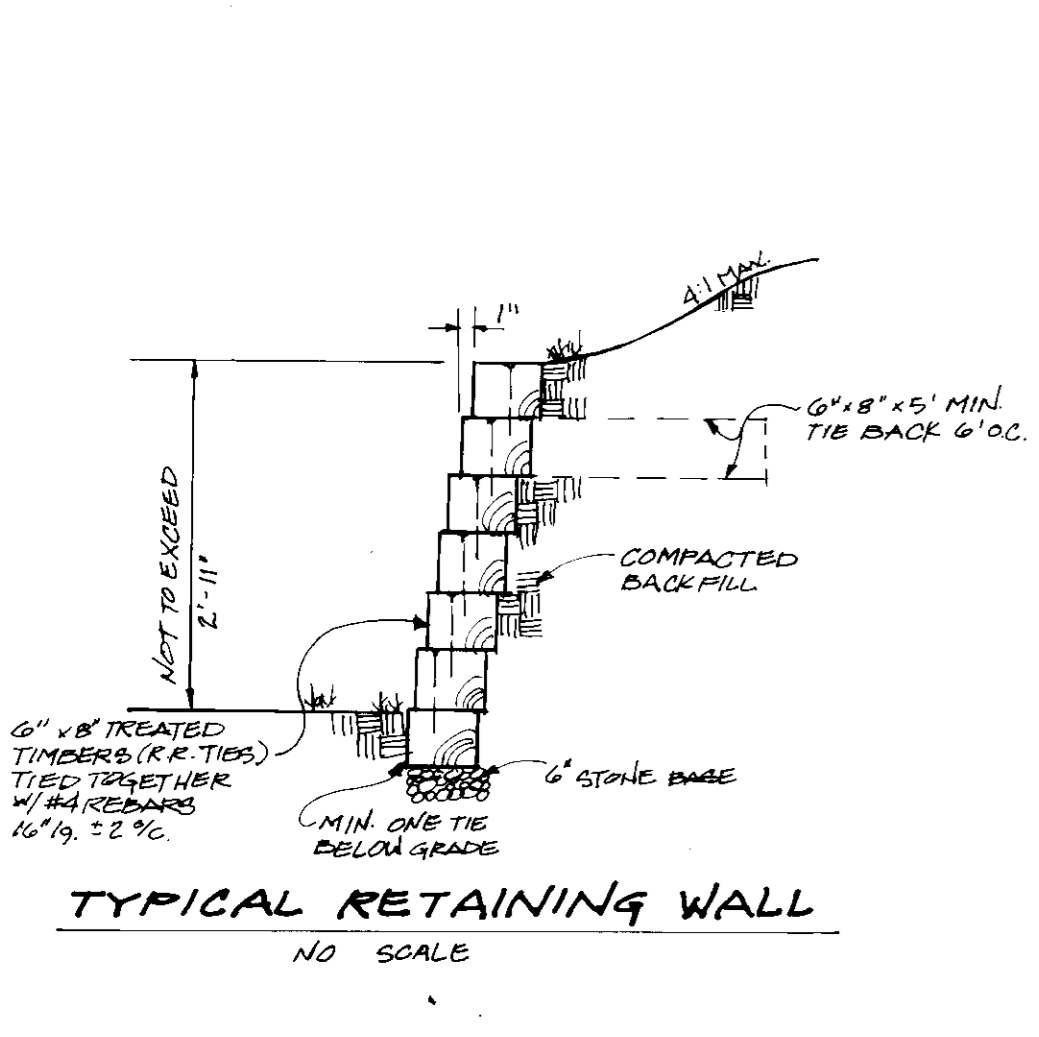
Signature of Developer/Builder: [Signature] DATE: 11-15-91

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: [Signature] DATE: 11-15-91
 G. Nelson Clark



CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINISTREL WAY • COLUMBIA MD 21045 • (301) 481-7500 • BALTO. • LAUREL • BETHESDA • WASH.		
DESIGNED DGT	SEDIMENT & EROSION CONTROL PLAN LOTS F-75 thru F-82, F-89 thru F-98, F-103 thru F-119, F-122 thru F-126, F-134 thru F-146 COLUMBIA VILLAGE OF DORSEY'S SEARCH SECTION 3 AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN BAL		DRAWING 2 OF 4
CHECKED DGT		JOB NO. 91-110
DATE 11-15-91	FOR: COLUMBIA BUILDERS P.O. Box 889 Columbia, Maryland 21044	FILE NO. 91-1105e



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) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). 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	2.424 Acres
Area to be roofed or paved	1.5 Acres
Area to be vegetatively stabilized	3.0 Acres
* Total Cut	1800 Cu. yds
* Total Fill	1800 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 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.
- If houses are to be constructed on an "As-Sold" basis, 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).
- The total amount of straw bale dikes/silt fence equals 290 L.F.

* Site previously Mass Graded under F-91-35

CONSTRUCTION SEQUENCE:

Activity	No. of Days
A. OBTAIN GRADING PERMIT AND INSTALL SEDIMENT AND EROSION CONTROL DEVICES AND STABILIZE.	7
B. GRADE AS NECESSARY FOR CONSTRUCTION OF BASEMENT SLABS, SIDEWALKS, DRIVEWAYS AND TEMPORARILY STABILIZE.	20
C. CONSTRUCT STRUCTURES, SIDEWALKS AND DRIVEWAYS.	120
D. FINAL GRADE AND STABILIZE IN ACCORDANCE WITH STDS. AND SPECS.	30
E. Upon permanent stabilization of respective drainage areas and with the approval of the sediment control inspector, remove sediment control devices and stabilize. Clean out accumulated sediment from sediment basin, etc. and restore to original design as per F-91-35. Repair damage within public R/W Due to Constr. Access as Necessary.	14

APPROVED
DATE: 1-21-92

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT
 Joseph M. Boyd, Jr. 2-25-92
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 David K. Smith 3/2/92
 DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 James M. Smith 2/18/92
 DIRECTOR DATE

Reviewed for HOWARD COUNTY, M.D. and meets Technical Requirements
 James M. Smith 2/18/92
 Signature Date
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Approved 2/18/92

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 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: 11-15-91

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: [Signature] Date: 11-15-91
 G. Nelson Clark



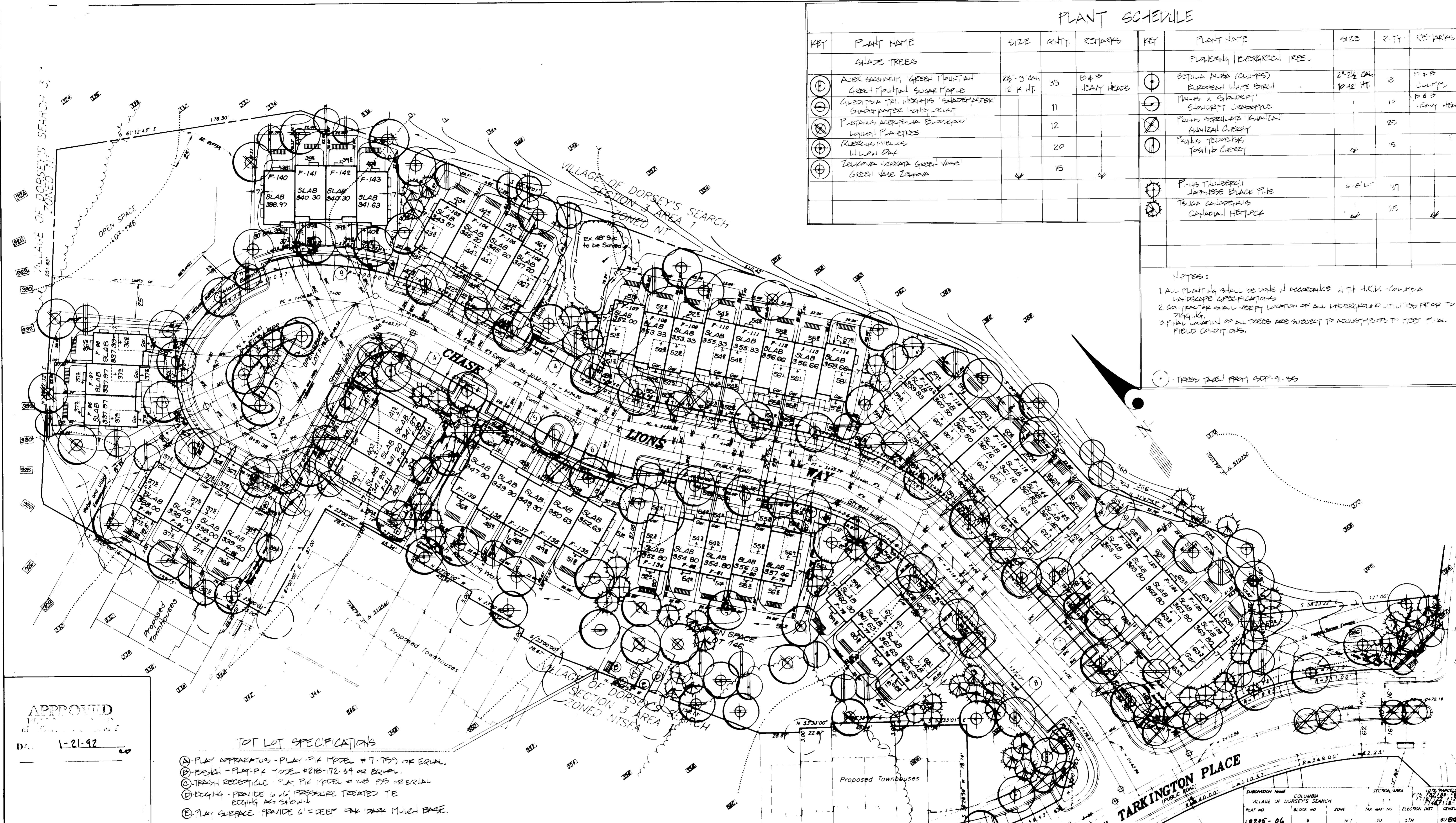
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINNISTREL WAY • COLUMBIA, MD 21045 • TEL: (410) 271-8400 • FAX: (410) 271-8401

SITE DEVELOPMENT PLAN
SEDIMENT & EROSION CONTROL DETAILS
 LOTS F-91-35 thru F-91-38, F-89 thru F-90, F-101 thru F-119, F-122 thru F-126, F-134 thru F-146
 COLUMBIA
 VILLAGE OF DORSEY'S SEARCH SECTION 3 AREA 1
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR COLUMBIA BUILDERS
 P.O. Box 993
 Columbia, Maryland 21044

SCALE: 1"=30'
 DRAWING: 3 OF 4
 JOB NO: 91-110
 FILE NO: 91-110-05

DESIGNED: DGT
 DRAWN: BAL
 CHECKED: DGT
 DATE: 11-15-91



PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QTY	REMARKS	KEY	PLANT NAME	SIZE	QTY	REMARKS
	SHADE TREES					FLOWERING BERRY TREE			
⊕	ALEX. SCOTLAND GREEN MOUNTAIN GREEN MOUNTAIN SUGAR MAPLE	2 1/2" CAL 12' H HT.	33	B & B HEAVY HEADS	⊕	PETUNIA ALBA (CLUMPS)	2" 2 1/2" CAL 10' H HT.	18	B & B CLUMPS
⊖	QUERCUS TRI. NERIMIS SHADENMASTER SHADENMASTER HONEY LOCUST		11		⊖	MALVA X GARDENIT SHADENMASTER		12	B & B HEAVY HEADS
⊗	POTANTILUS ACERIFOLIA Blueberry LORAIN PLANTAINES		12		⊗	FRUNIS OBBELATA 'KAWAZAN' KAWAZAN CHERRY		25	
⊕	RUERUS MIELUS WILLOW OAK		20		⊕	FRUNIS TEOBIFAS TOSHINO CHERRY		15	
⊕	ZELKONA SERATA GREEN VASE GREEN VASE ZELKONA		15						
					⊕	PLAT THUNDERBOLT JAPANESE BLACK PINE	6" 2" H	27	
					⊕	TEUGA CANADENSIS CANADIAN HEMLOCK		25	

NOTES:
 1. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH H.R.V. - COLUMBIA LANDSCAPE SPECIFICATIONS
 2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO PLANTING.
 3. FINAL LOCATION OF ALL TREES ARE SUBJECT TO ADJUSTMENTS TO MEET FINAL FIELD CONDITIONS.

⊕ TREES TAKEN FROM S.D.P. 91-250

TOT LOT SPECIFICATIONS

- (A) PLAY APPARATUS - PLAY-PIK MODEL # 7-150 OR EQUAL.
- (B) BENCH - PLAY-PIK MODEL # 218-172-34 OR EQUAL.
- (C) TRASH RECEPTACLE - PLAY-PIK MODEL # 48-05 OR EQUAL.
- (D) EDGING - PROVIDE 6" IN PRESSURE TREATED TIE EDGING AS SHOWN.
- (E) PLAY SURFACE PROVIDE 6" DEEP ENK DARK MULCH BASE.

APPROVED
 D.A. 1-21-92

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 2-25-92

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 COUNTY DIRECTOR: [Signature] DATE: 3/2/92
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: [Signature] DATE: 2/20/92

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] DATE: 2/18/92
 CHIEF OF PUBLIC ENGINEERING: [Signature] DATE: 2-18-92

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

DESIGNED: [Signature] DATE: 1/10/92
 DRAWN: [Signature] DATE: 1/10/92
 CHECKED: [Signature] DATE: 1/10/92
 DATE: 1/10/92

SCALE: 1"=30'
 DRAWING: 4 OF 4
 JOB NO: 91110
 FILE NO: 91-110-1

FOR COLUMBIA BUILDERS
 PO Box 899
 Columbia, Maryland 21044