

LOT #	STREET	ADDRESS	SQ FT	S.H.C. INV
44	5047	MANAHAN DR	2125	361.22
45	5049		1700	361.22
46	5049		1700	358.39
47	5041		2125	358.39
48	5037		2125	358.89
49	5035		1700	358.89
50	5033		1700	358.89
51	5031		2125	358.89
52	5027		2125	359.19
53	5025		1700	359.19
54	5023		1700	359.39
55	5021		2125	359.39
56	5020		2125	378.88
57	5018		1700	378.88
58	5016		2125	380.06
59	5014		1700	380.06
60	5012		2125	380.06
61	5010		1700	380.35
62	5008		2125	380.35
63	5006		1700	380.35
64	5004		2125	380.35
65	5002		1700	380.35
66	5000		2125	380.35
67	4998		1700	380.35
68	4996		2125	380.35
69	4994		1700	380.35
70	4992		2125	380.35
71	4990		1700	380.35
72	4988		2125	380.35
73	4986		1700	380.35
74	4984		2125	380.35
75	4982		1700	380.35
76	4980		2125	380.35
77	4978		1700	380.35
78	4976		2125	380.35
79	4974		1700	380.35
80	4972		2125	380.35
81	4970		1700	380.35
82	4968		2125	380.35
83	4966		1700	380.35
84	4964		2125	380.35
85	4962		1700	380.35
86	4960		2125	380.35
87	4958		1700	380.35
88	4956		2125	380.35
89	4954		1700	380.35
90	4952		2125	380.35
91	4950		1700	380.35

VICINITY MAP  
NOT TO SCALE

HAYESKRIA  
125, 569  
TAX MAP 24, 02/28/88 & 02/28/89  
ZONING R-ED

**LEGEND**

EX. CURB & GUTTER	---
EX. CONCRETE WALK	---
EX. PROPERTY LINE	---
EX. CONTOUR	---
PROP. SPOT GRADE	+48.0
PROP. CONTOUR	---
LIMIT OF DISTURBANCE	L.O.D.
PROP. SWALE	---
STABILIZED CONSTRUCTION ENTRANCE	---
PERIMETER DICE/SWALE	---

**GENERAL NOTES**

- 1) THE LAND INCLUDED IS ZONED R-ED
- 2) COORDINATES SHOWN ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE COORDINATE SYSTEM. BEARING REFER TO THE TRUE NORTH AND ARE BASED ON HOWARD COUNTY GEODETIC SURVEY.
- 3) THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON TAX MAP 24
- 4) THE TOTAL AREA ON THIS PLAN IS 461,736 SQ FT (10.6 AC)
- 5) ALL ROADS ARE PUBLIC AND EXISTING.
- 6) ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- 7) TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE 40. TOTAL NO. OF UNITS ARE 40
- 8) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 18.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER
- 9) PARKING SPACES REQUIRED = 80
- 10) PARKING SPACES PROVIDED = 81 @ 20' x 9' TYPICAL
- 11) TOTAL AREA FOR EASEMENTS = 2.54 AC
- 12) ALL W.H.C.'s TO BE 3/4"
- 13) ALL DUAL SEWER HOUSE CONNECTIONS TO BE 8"
- 14) PLANNING BOARD REFERENCE NO. P-87-186, S-87-02, P-87-21, PB 206, U.P. 87-03 (APPENDIX 7/83, 84) P. 89-10
- 15) UTILITY ALLOCATION NOTE, DEV AGMT NO. 14-1842-0, 14-1701-0, EFF 8/18/87, 8/14/87
- 16) BUILDING AREA COVERAGE: LOT AREA = 78,640 @ BUILDING AREA = 27,428sqft, % coverage = 30%
- 17) PROPOSED STRUCTURES WILL BE SINGLE FAMILY TOWNHOUSES.
- 18) ALL WATER METERS ARE 3/4" AND ARE TO BE LOCATED INSIDE.
- 19) ALL REFUSE CONTAINERS WILL BE A MIN OF 60Y (R.C.)

THESE LOTS ARE NOT PART OF THIS SUBMISSION. S.O.P. 28-249

THESE LOTS ARE NOT PART OF THIS SUBMISSION

**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY  
2-15-89

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

*Don Zick* 5-30-89  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

*Walter P. Hinkle*  
PLANNING DIRECTOR DATE

CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

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

*James P. Schmitt* 4/7/89  
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING

*William E. Taylor* 4-7-89  
DATE

**ENGINEERS CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Walter P. Hinkle* 2/10/89  
DATE

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

*William E. Taylor* 3-17-89  
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 PERSONS 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 CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

*Walter P. Hinkle* 2/10/89  
SIGNATURE OF DEVELOPER/BUILDER DATE

LAND DESIGN ASSOCIATES  
718 HIGHWOOD DRIVE  
BALTIMORE, MD 21212 301/323-2344

**REVISIONS**

DATE	BY	DESCRIPTION
12-18-88	P&Z	16 COMMENTS PER CO REQ
1-26-89	P&Z	8 COMMENTS PER CO REQ
11-30-88	ENG	9 COMMENTS PER CO REQ
11-28-88	S.C.D.	5 COMMENTS PER STATE/CO REQ

**AREA TABULATION CHART**

TOTAL NO OF LOTS	40
TOTAL AREA OF LOTS / PARCELS TO BE RECORDED	76,500 sq ft
TOTAL AREA OF ROADWAY TO BE RECORDED	9,984 sq ft
TOTAL AREA OF SUBDIVISION TO BE RECORDED	10,600 sq ft
DENSITY TABULATION =	131 / 74.74 = 1.75 U/AC

**SUBDIVISION NAME**  
TOLLHOUSE

PLAT # OF LOT/BLOCK	7512-7513
ZONE	R-ED
TAX/ZONE MAP	24
ELEC DIST	2
CENSUS TR	6025
WATER CODE	F 04
SEWER CODE	1401000

**TOLLHOUSE**  
Section 2 Parcel No. -254 Lots 44-55 & 64-91

**SITE DEVELOPMENT & SEDIMENT CONTROL PLAN**

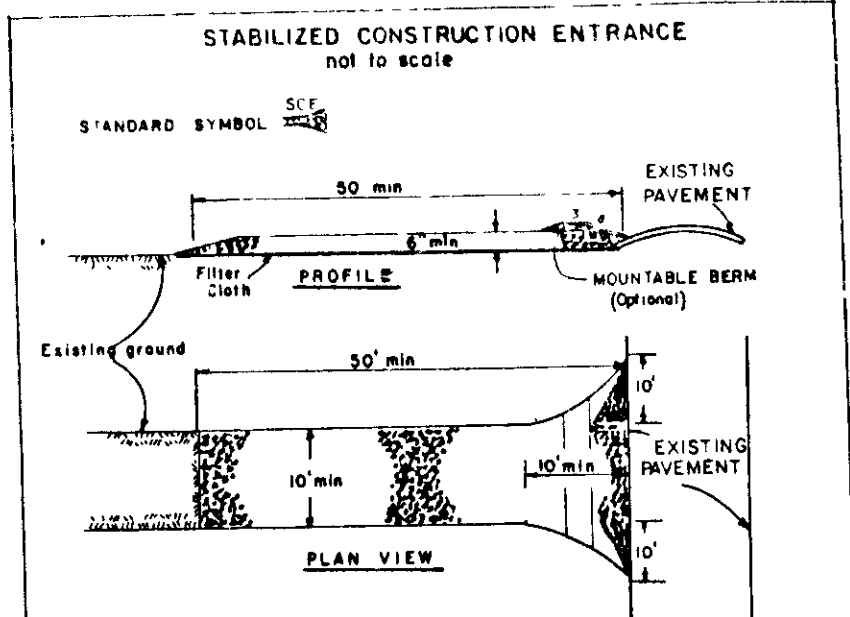
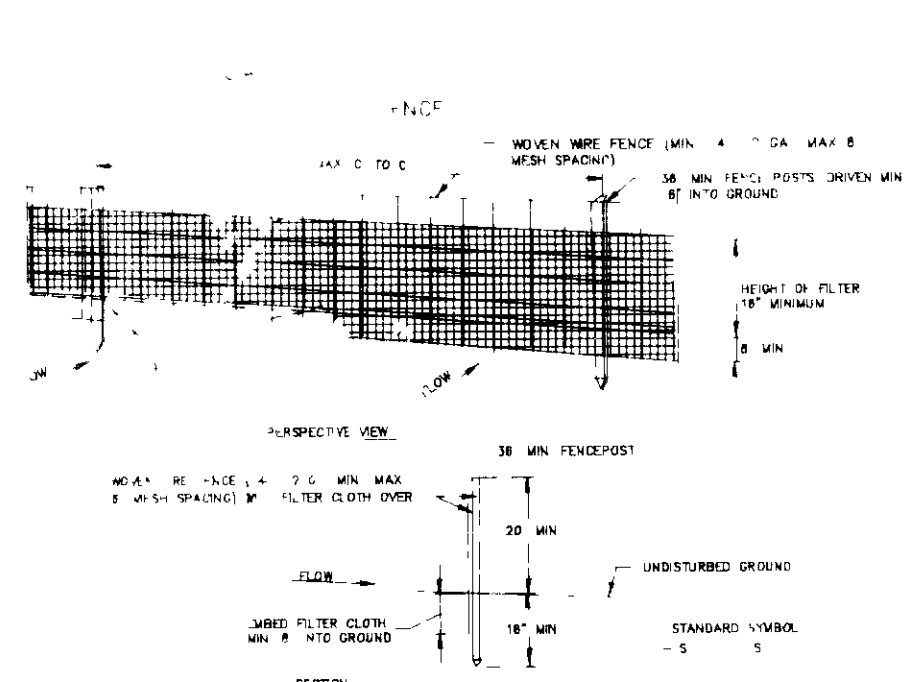
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FOR: GRAYSON HOMES, INC  
9025 CHEVROLET DRIVE  
ELLCOTT CITY, MD 21043

DESIGNED R.L.W.  
DRAWN P.S.  
CHECKED R.L.W.

SCALE 1" = 30'  
SHEET 1 OF 3  
DATE 2-11-89





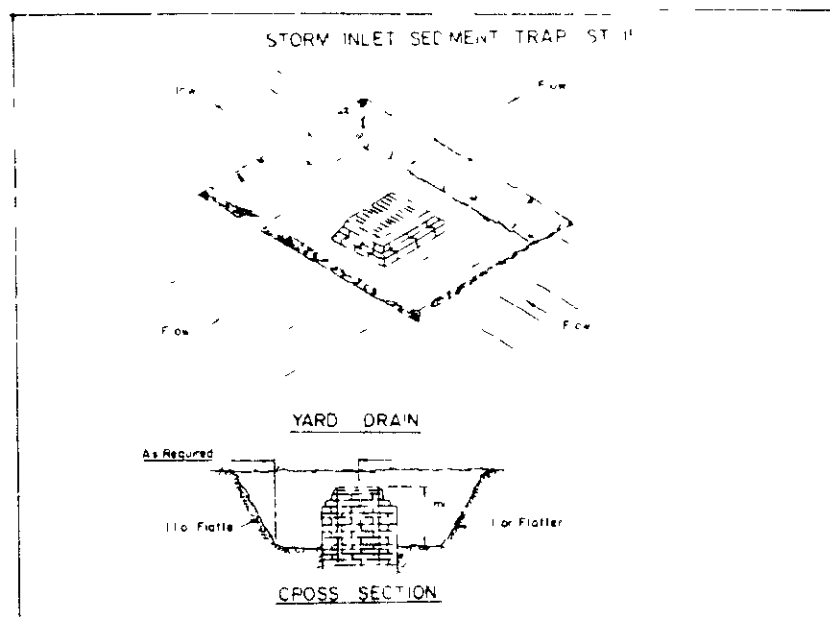
**STABILIZED CONSTRUCTION ENTRANCE**  
not to scale

CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or recycled or recycled concrete equivalent
2. Length - As required, but not less than 50 feet (except on a single residential lot where a 30 foot minimum length would apply)
3. Thickness - Not less than 6 inches
4. Width - Not less than 30 feet minimum, but not less than the full width at points where ingress or egress occurs
5. Pile-up Cloth - Will be placed over the entire area prior to placing of stone. Pile-up cloth will not be required on a single family residential lot.
6. Surface Water - All surface water flowing or diverted toward construction entrance shall be directed across the entrance. If piping is impractical, a nonreturnable beam with 6" slope will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleaning of any measures used to keep sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Vehicle 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 system.
9. Periodic inspection and needed maintenance shall be provided after each rain event.

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND

STABILIZED CONSTRUCTION ENTRANCE  
STANDARD DRAWING  
SD-1



**STORM INLET SEDIMENT TRAP**  
not to scale

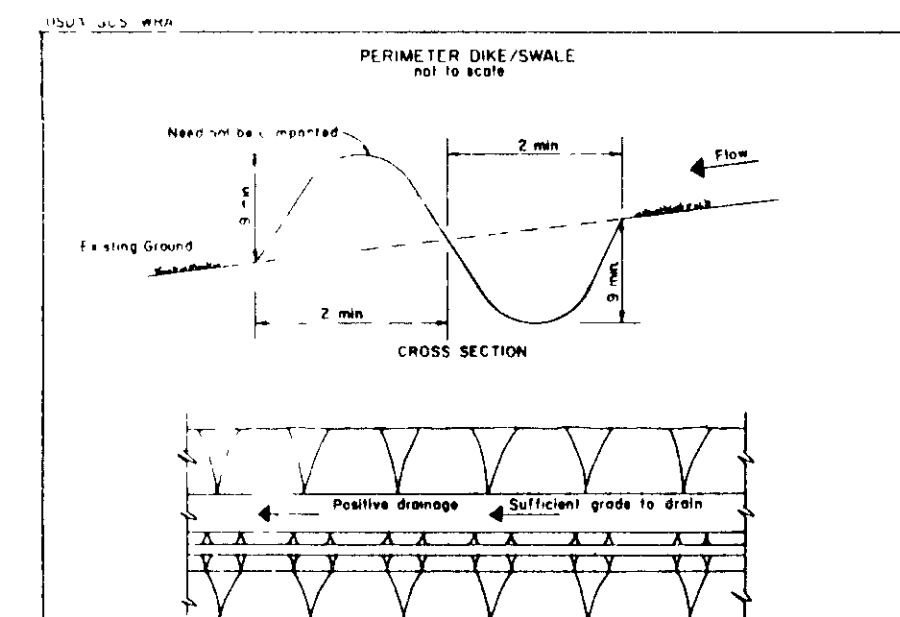
CONSTRUCTION SPECIFICATIONS

1. Sediment shall be removed and a 1/4" depth of clean aggregate shall be placed over the sediment. The sediment shall be removed in a manner that will not erode.
2. The sediment shall be stored in a 18" x 18" x 18" container if it is to be used.
3. The structure shall be inspected after each rain event.
4. Construction operation shall be suspended until the area is stabilized and water pollution has been minimized.
5. The sediment trap 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 system.
6. All out slopes shall be 1:1.

Maximum Drainage Area Limit: 5 Acres

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND

STORM INLET SEDIMENT TRAP  
STANDARD DRAWING  
SD-2



**PERIMETER DIKE/SWALE**  
not to scale

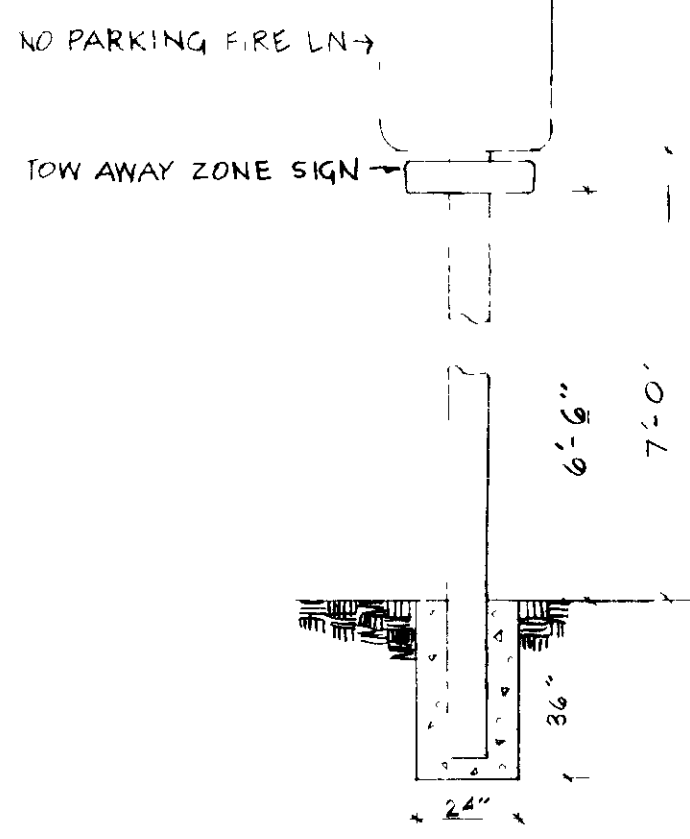
CONSTRUCTION SPECIFICATIONS

1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNIMPROVED POSITIVE GRADE TO AN OUTLET DEVICE.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT MINIMUM VELOCITY.
4. THE DIKE/SWALE SHALL BE EXCAVATED OR BARRIED TO THE LINE GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND SPECIFICATION FOR REEDS AND STRIP TILERS, AND SHALL BE DONE WITHIN 30 DAYS.
6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

Maximum Drainage Area Limit: 2 Acres

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND

PERIMETER DIKE/SWALE  
STANDARD DRAWING  
SD-3



**FIRELANE SIGNS DETAILS**  
NO SCALE

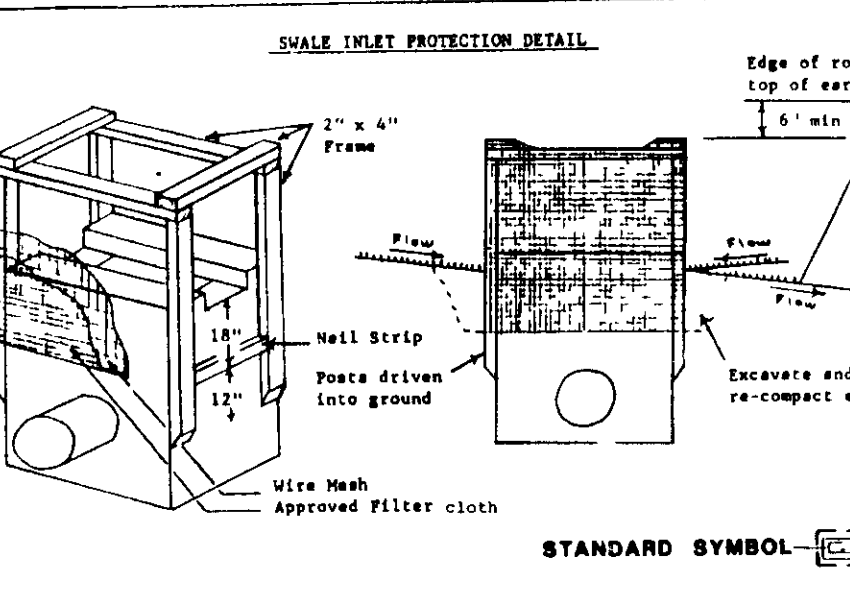
1



**TOW AWAY ZONE SIGN**  
NO SCALE

**SEDIMENT CONTROL NOTES**

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (1992-2017).
- 2) 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.
- 3) Following initial soil disturbance or re-disturbance 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 1:1 to 1:4 days for all other disturbed or graded areas on the project site.
- 4) 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.
- 5) 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), top soil (Sec. 54), temporary seedings (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.
- 6) All sediment control structures are to remain in place and are to be maintained in operation condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- 7) Site Analysis:  
Total Area of Site: 2.55 acres  
Area Disturbed: 0.45 acres  
Area to be roofed or paved: 0.45 acres  
Area to be vegetatively stabilized: 1.65 acres  
Total: 2.55 acres  
Off-site waste/borrow area location: [blank]
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities, must be repaired on the same day of disturbance.
- 9) Additional sediment controls must be provided, if deemed necessary by the Howard County SPM sediment control inspector.
- 10) All sites with disturbed areas in excess of 12 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.



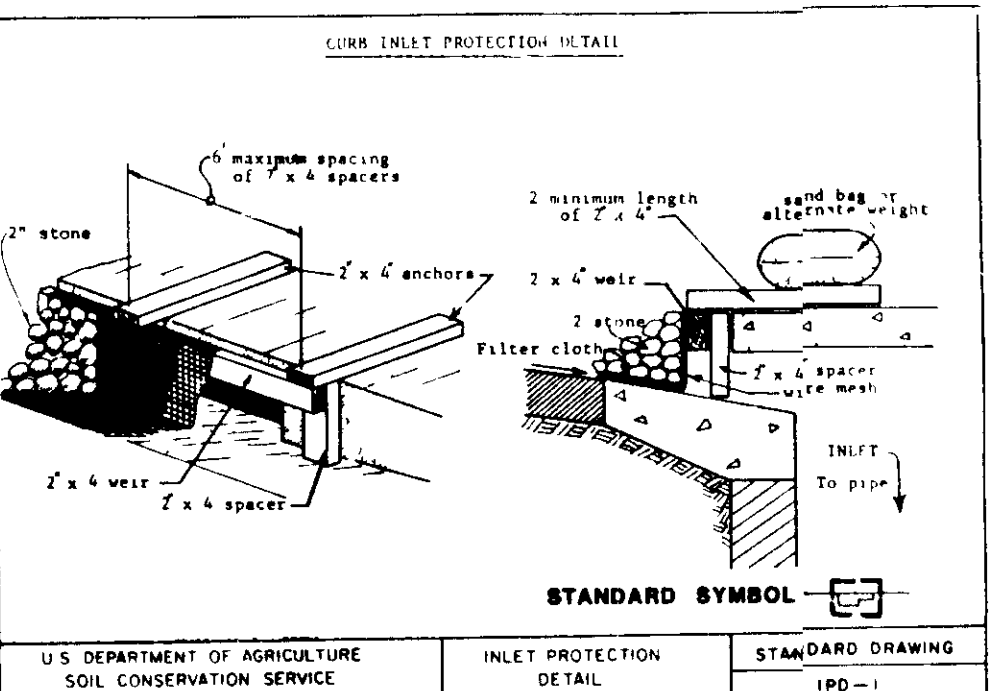
**SHALE INLET PROTECTION DETAIL**

CONSTRUCTION SPECIFICATIONS

1. Maximum spacing of 2' x 4' anchors.
2. Minimum length of 2' x 4' anchors.
3. Filter cloth shall be placed over the entire area.
4. Stone shall be placed over the filter cloth.
5. The structure shall be inspected after each rain event.

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND

SHALE INLET PROTECTION DETAIL  
STANDARD DRAWING  
SD-4



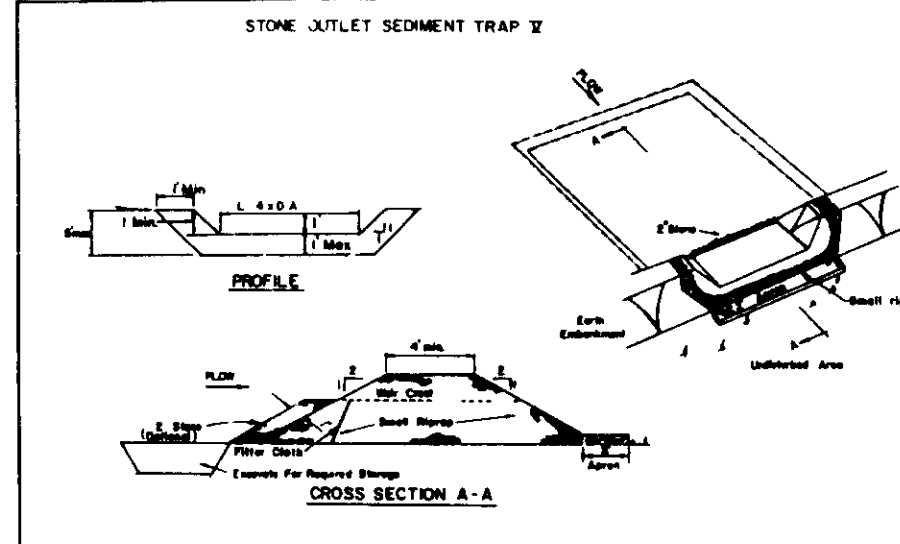
**STORM INLET PROTECTION DETAIL**

CONSTRUCTION SPECIFICATIONS

1. Maximum spacing of 2' x 4' anchors.
2. Minimum length of 2' x 4' anchors.
3. Filter cloth shall be placed over the entire area.
4. Stone shall be placed over the filter cloth.
5. The structure shall be inspected after each rain event.

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND

STORM INLET PROTECTION DETAIL  
STANDARD DRAWING  
SD-5



**STONE OUTLET SEDIMENT TRAP**

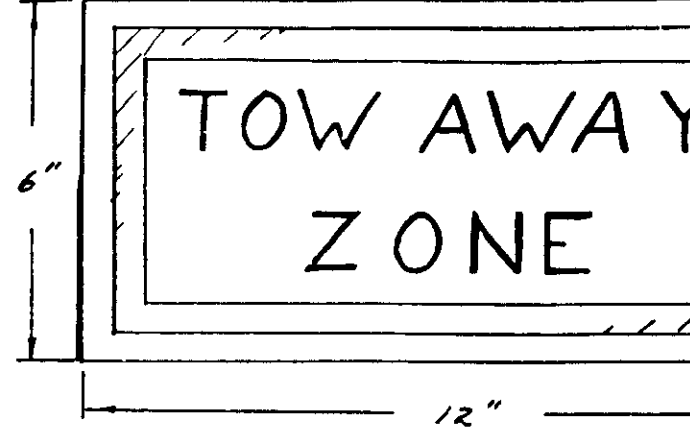
CONSTRUCTION SPECIFICATIONS

1. Area under maintenance shall be cleared, graded and stabilized of any vegetation and root mat. The soil shall be seeded.
2. The fill material for the maintenance shall be free of roots and other woody vegetation as well as overlying stones, rocks, organic material or other objectionable material. The maintenance shall be completed by installing with equipment while it is being constructed.
3. All out and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be small riprap 4"-6" along with a 1" thickness of 2" aggregate placed on the up-grade side on the small riprap embedded filter cloth in the trap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operation shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been permanently stabilized.

Maximum Drainage Area: 5 Acres

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND

STONE OUTLET SEDIMENT TRAP  
STANDARD DRAWING  
SD-6



**TOW AWAY ZONE**

Color: Red Letters & Border on White Reflective Background

RT-201 - Designation is Manual on Uniform Traffic Control Devices

2-15-89

**TEMPORARY SEEDING NOTES**

A. SEEDBED PREPARATION - Loosen upper 3 inches of soil by discing, raking, or other acceptable means. **IF NOT PREVIOUSLY LOOSENEED**

B. SOIL AMENDMENTS - Apply 600 lbs (15 lbs/1000 sq ft) of 10-20-20 fertilizer

C. SEEDING - For periods March 1 thru April 30, and from August 15 thru November 15, seed with 2 1/2 bushels per acre (3.2 pounds/1000 sq ft) of annual ryegrass. For the period May 1 thru August 14 seed with 3 pounds per acre (0.75 lbs/1000 sq ft) with Weeping Lovegrass

D. MULCHING - Apply 1.5 to 2 tons per acre (70 to 90 pounds per 1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gallons per 1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher use 348 gallons per acre (8 gallons per 1000 sq ft)

**PERMANENT SEEDING NOTES**

A. SEEDBED PREPARATION - Scarify or otherwise loosen upper 5 inches of soil. Clods shall be broken up and the top three (3) inches of soil shall be worked into a satisfactory seedbed by raking, discing or other acceptable means before seeding. **IF NOT PREVIOUSLY LOOSENEED**

B. SOIL AMENDMENTS - Apply 3 tons per acre dolomitic limestone (138 lbs/1000 sq ft) and 500 lbs per acre 0-20-20 fertilizer (14 lbs/1000 sq ft). Harrow or disc lime and fertilizer into upper three inches of soil. At time of seeding, apply 400 lbs per acre (99.2 lbs/1000 sq ft) of 38-0-0 ureaform fertilizer and 500 lbs per acre (11.5 lbs/1000 sq ft) of 10-20-20 fertilizer.

C. SEEDING - Grass seed shall be certified seed only and should be delivered to the site with original state certification, or in case of a mixture, certified by the Maryland Department of Agriculture.

TURF GRASS MIXTURE  
10 lbs/1000 sq ft or 300 lbs/acre

Common Name	% by Weight	Min % Purity	Minimum % Germination
Tall Fescue (Rebel 15, Hound Dog, Falcon NJ-78 or Shannon KS-27)	90	98	90
Kentucky Blue Grass (Kenblue)	10	98	90

D. 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. Apply mulch immediately after seeding. Anchor mulch immediately after application using 348 gallons per acre (8 gallons/1000 sq ft) of emulsified asphalt.

E. MAINTENANCE - Inspect all seeded areas and make needed repairs, replacements, and reseeding.

**SEQUENCE OF OPERATIONS**

WEEK 1: OBTAIN GRADING PERMIT

1-1: NOTIFY SEDIMENT CONTROL DIVISION 48 HOURS PRIOR TO START OF OPERATION

1-2: CLEAR AND GRUB FOR SEDIMENT CONTROL MEASURES ONLY

2-3: GRADE FOR SEDIMENT CONTROL MEASURES IN DESIGNATED AREAS

3-4: INSTALL SEDIMENT CONTROL MEASURES

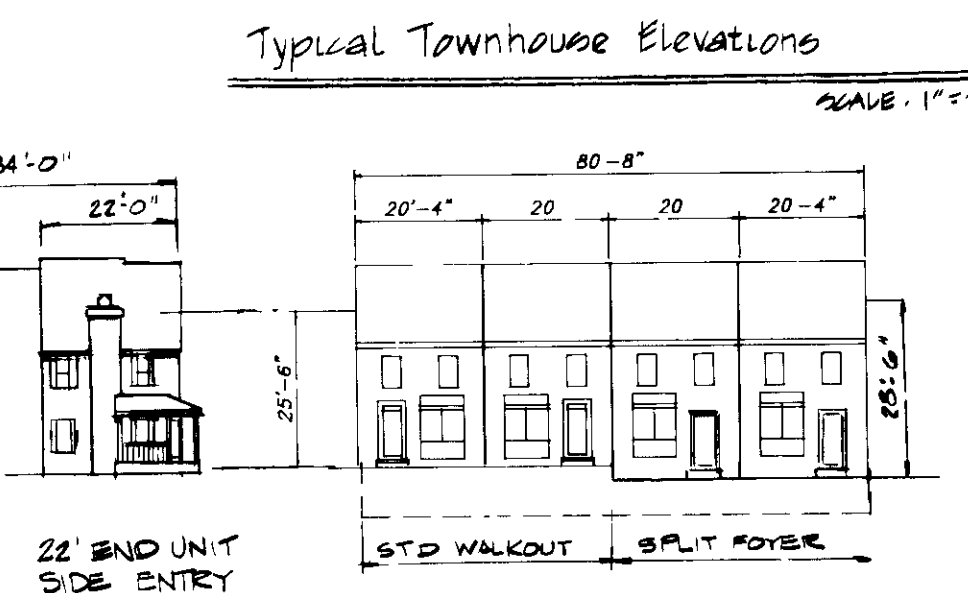
4-7: CLEAR AND GRUB REMAINDER OF SITE

7-10: EXCAVATE FOUNDATIONS AND ROUGH GRADE SITE

11-12: FINE GRADE, TOPSOIL AND SEED AREAS IMMEDIATELY

13-14: AFTER TURF IS ESTABLISHED AND UPON THE APPROVAL OF THE INSPECTOR, REMOVE TEMPORARY SEDIMENT CONTROL MEASURES AND CLEAN UP SITE

NOTE: GRADING OF LOTS MAY NOT BEGIN UNTIL ALL STORAGE DRAINAGE STORAGE STRUCTURES ARE IN PLACE AND SLOPES BROUGHT TO FINISHED GRADE AND COMPLETELY STABILIZED.

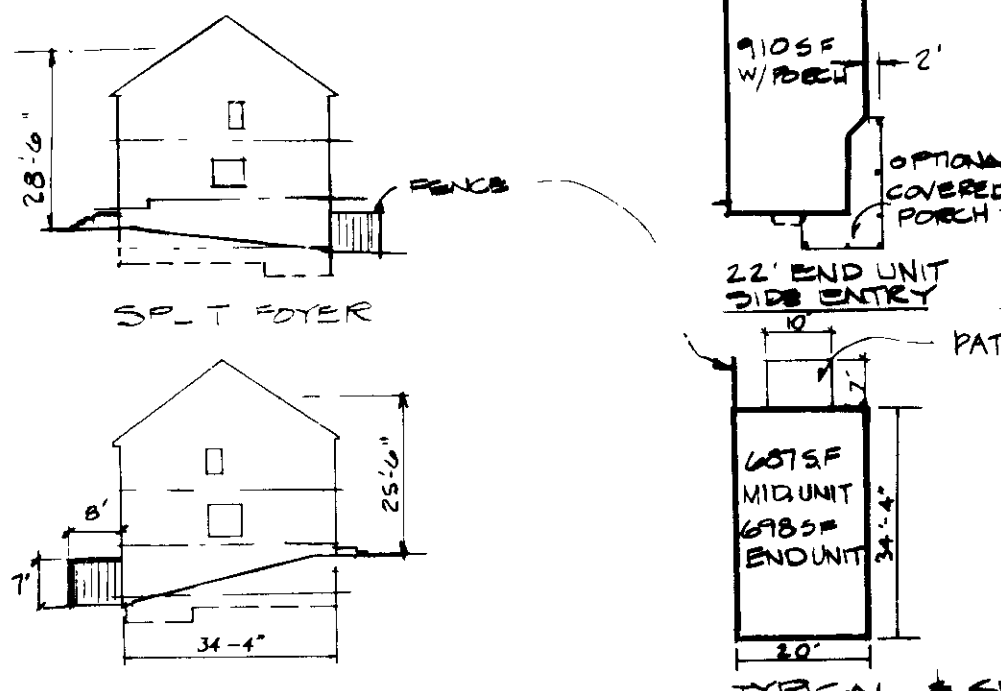


**TYPICAL TOWNHOUSE ELEVATIONS**

FRONT ELEVATION

SIDE ELEVATION

PLAN



**TYPICAL TOWNHOUSE ELEVATIONS**

FRONT ELEVATION

SIDE ELEVATION

PLAN

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

John Zink 5-30-89  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

Walter P. Wheeler 6-23-89  
PLANNING DIRECTOR DATE

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

Walter P. Wheeler 6/23/89  
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

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

Walter P. Wheeler 4-1-89  
DIRECTOR DATE

Walter P. Wheeler 4-7-89  
CHIEF BUREAU OF ENGINEERING DATE

**DEVELOPER/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 PERSONS 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 CONTROL BEFORE COMMENCING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

Walter P. Wheeler 2/20/89  
SIGNATURE OF DEVELOPER/BUILDER DATE

**ENGINEER'S CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Walter P. Wheeler 2/16/89  
SIGNATURE DATE

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

Walter P. Wheeler 3/17/89  
APPROVED DATE

Walter P. Wheeler 3/17/89  
RECOMMENDED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS DATE

LAND DESIGN ASSOCIATES  
718 HIGHWOOD DRIVE  
BALTIMORE, MD 21212 301/323-0244

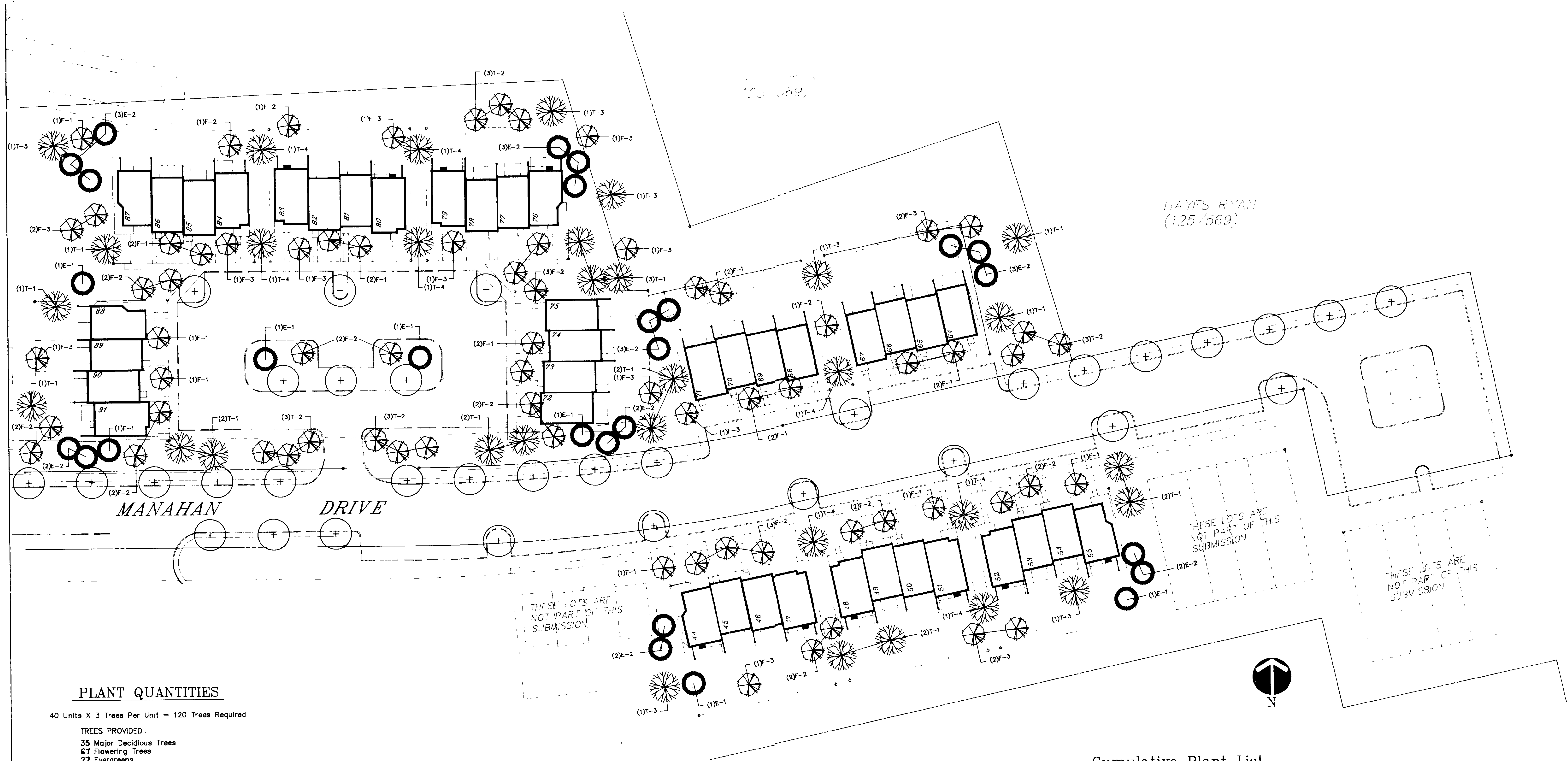
REVISIONS

**TOLL HOUSE**  
SECTION 2 PARCEL -254 LOTS 44-55 & GA-91  
SITE DEVELOPMENT & SEDIMENT CONTROL PLAN  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR GRAYSON HOMES, INC  
9025 CHEVROLET DRIVE  
ELLCOTT CITY, MD 21043

DESIGNED  
DRAWN  
CHECKED

SHEET 2 OF 3  
DATE 2-21-89



**PLANT QUANTITIES**

40 Units X 3 Trees Per Unit = 120 Trees Required

TREES PROVIDED:  
 35 Major Deciduous Trees  
 67 Flowering Trees  
 27 Evergreens

Total Trees Provided = 129

**Cumulative Plant List**

KEY QUAN	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
T-1 18	Acer rubrum "October Glory"	October Glory Red Maple	2.5-3' cal.	B&B
T-2 12	Pyrus calleryana "Bradfordii"	Bradford Pear	2.5-3' cal	B&B
T-3 5	Quercus phellos	Willow Oak	2.5-3' cal	B&B
T-4 8	Tilia cordata "Greenspire"	Little Greenspire Linden	2.5-3' cal.	B&B
F-1 18	Cornus florida	Flowering Dogwood	1.5-2' cal.	B&B
F-2 25	Prunus sargentii	Sargent Cherry	1.5-2' cal.	B&B
F-3 16	Malus bacata	Siberian Crabapple	1.5-2' cal.	B&B
E-1 7	Picea pungens	Colorado Blue Spruce	6-7' hght.	B&B
E-2 20	Pinus nigra	Austrian Pine	6-7' hght.	B&B

**APPROVED**  
 PLANNING & ZONING  
 OF HOWARD COUNTY  
 DATE 2-15-89

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

*[Signature]* 5-30-89  
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

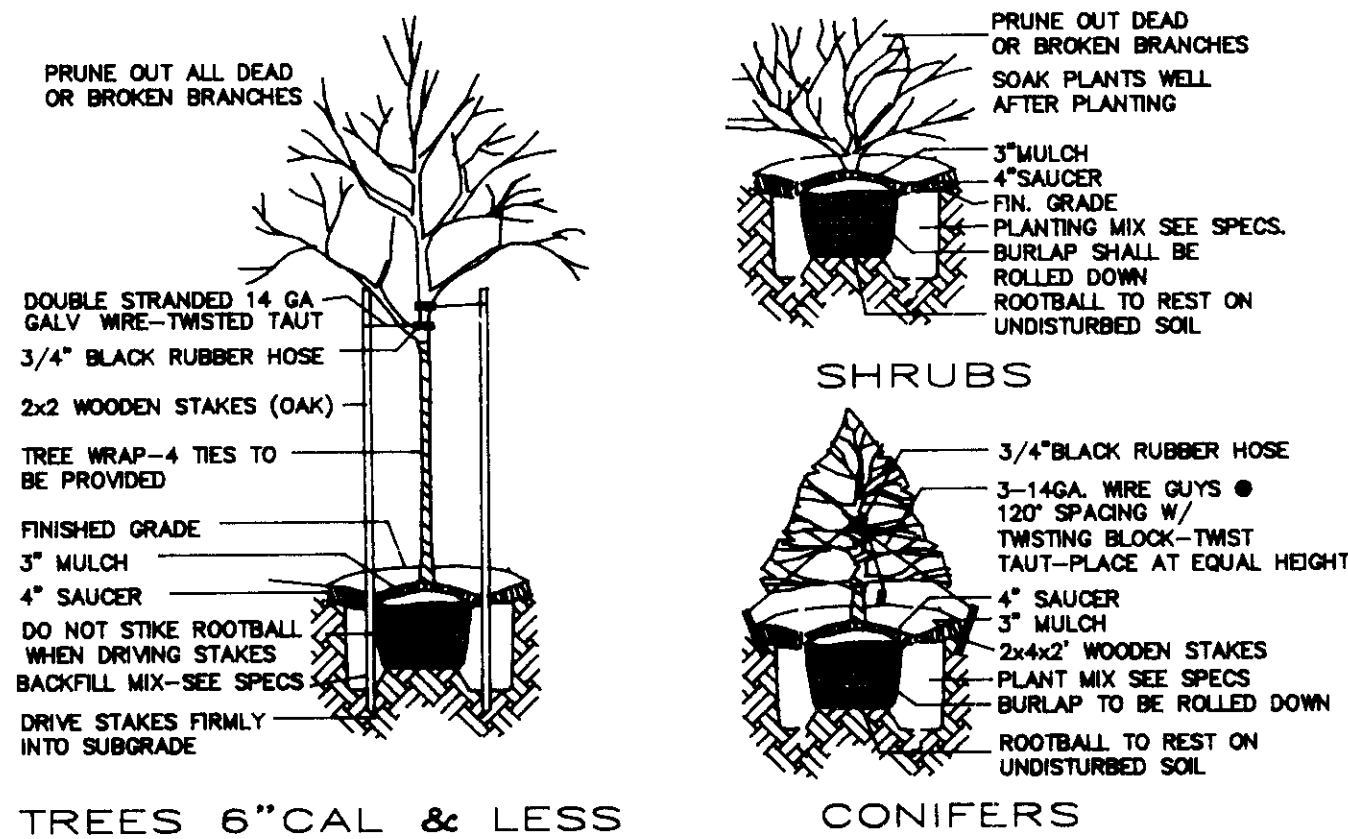
*[Signature]* 6.1  
 PLANNING DIRECTOR DATE

*[Signature]* 4/24/89  
 CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

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

*[Signature]*  
 DIRECTOR DATE

*[Signature]* 4-7-89  
 CHIEF BUREAU OF ENGINEERING DATE



TREES 6" CAL & LESS  
**PLANTING DETAILS**

**LEGEND**

- MAJOR DECIDUOUS TREE
- FLOWERING TREE
- EVERGREEN TREE
- EXISTING STREET TREE

LAND DESIGN ASSOCIATES  
 718 HIGHWOOD DRIVE  
 BALTIMORE, MD 21212 301/323-0344

REVISIONS


**TOLLHOUSE**  
 Section 2 Parcel No. -254 Lots 44.55 & 64.91

**PLANTING PLAN**

SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FOR: GRAYSON HOMES INC  
 9025 CHEVROLET DRIVE  
 ELLICOTT CITY, MD 21043

DESIGNED RDP  
 DRAWN RDP  
 CHECKED ELP

SCALE: 1"=30'  
 SHEET 3 of 3  
 DATE 2-15-89