

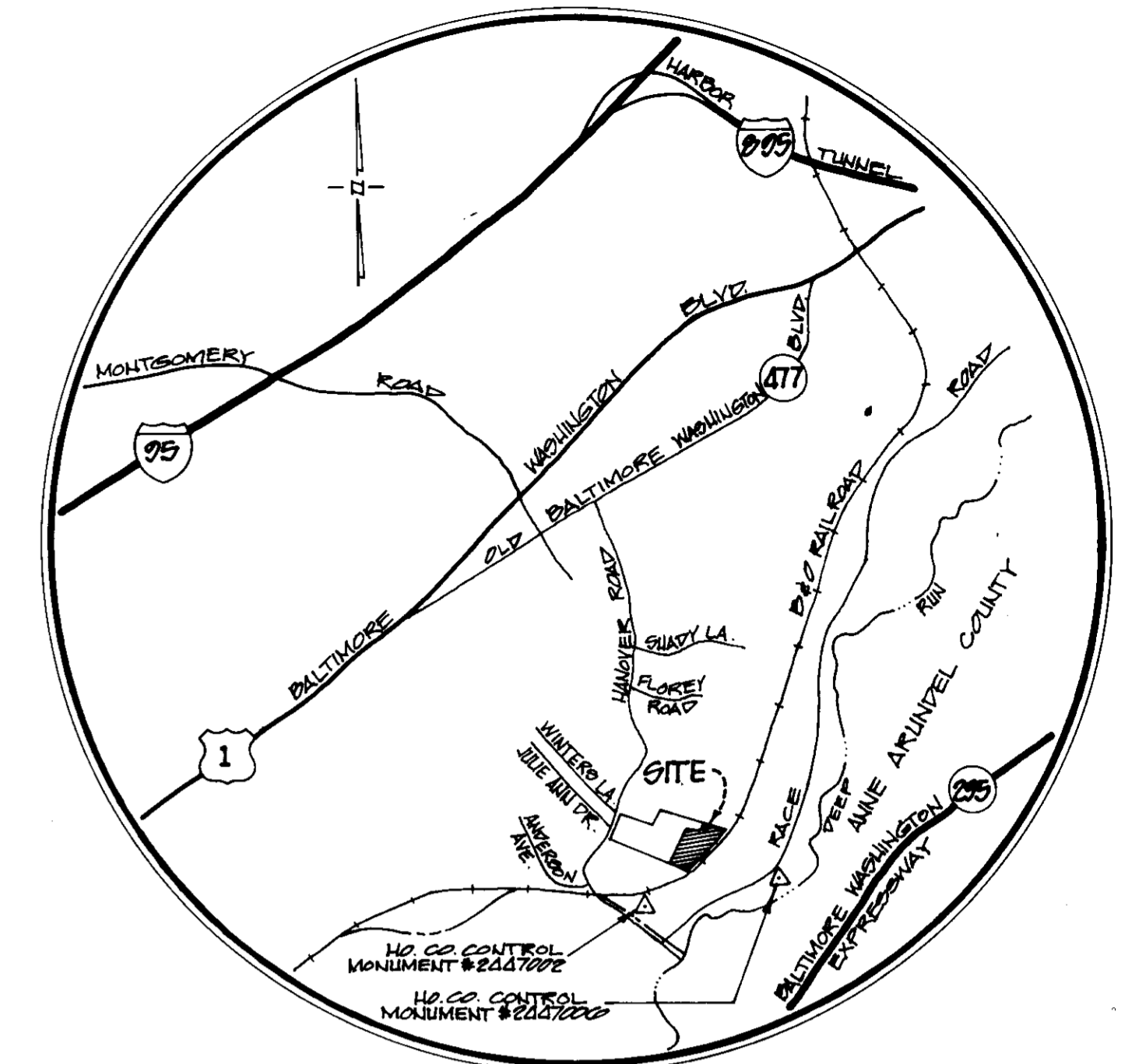
**General Notes**

1. Subject property is zoned R-12 per 10/10/99 comprehensive zoning plan.
2. Property shown is located on Tax Map 95, Parcel 200.
3. The coordinates shown herein are based on the Maryland State Grid System.
4. For flag or pipeline lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipeline and road R/W line and not onto the flag or pipeline lot.
5. See Department of Planning & Zoning File No: F-21-96.
6. The wetland and stream buffers indicated do not affect the initial construction of a residential unit on a lot. They do prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities are permitted.
7. Total number of lots: 21, Buildable lots: 22, Open space lots: 1.
8. Topography taken from plans prepared by Jose Escalante, P.E.
9. All roads shown are public and are to be constructed under F-21-96.
10. Any damage to existing public rights-of-way, existing paving, existing curb and gutters, existing utilities, etc. shall be constructed at the contractor's expense.
11. Proposed use of structures: single family detached.
12. The contractor or developer shall contact the Department of Public Works/Construction Inspector Division at (410) 516-1200 along with all utility agencies at least (5) working days prior to the start of work shown on these plans.
13. The total area covered in this plan: 700 acres.
14. Quantity and quality stormwater management for the site is provided under the existing SWM facility constructed under Section I of Hanover Crossing, F20-92 approved 7/15/91.
15. Horizontal and vertical controls used for this development were taken from Howard County Monuments Nos. 2444, 2445 & 2446.
16. Water and sewer systems shown on these plans are to be constructed under Cert. No. 14-99-17.
17. Open space Road: 24'17" of, Provided: 28,022 sq. ft. Open space Road: 10'07" of, Provided: 24,721 sq. ft.
18. Street trees & storm drainage system shown on these plans are to be constructed under F-21-96.
19. All work shown on these plans shall be done in accordance with Howard County Standards, Specifications and Details for Construction, Volume IV.
20. The location of existing utilities are shown from available information, the contractor shall take all necessary precautions to protect existing utilities and maintain uninterrupted service. Any damage incurred due to contractor's operation shall be repaired immediately at the contractor's expense.
21. Due to high water table, the builder's foundation design shall include both interior exterior drain tiles.
22. Lots 51 thru 62 are in a noise sensitive area and prolonged outdoor exposure may result in hearing impairment.
23. Any proposed principal dwellings constructed on lots 51 thru 62 shall be of architectural design to reduce exterior noise levels to a maximum of 45 dBA within the dwelling.

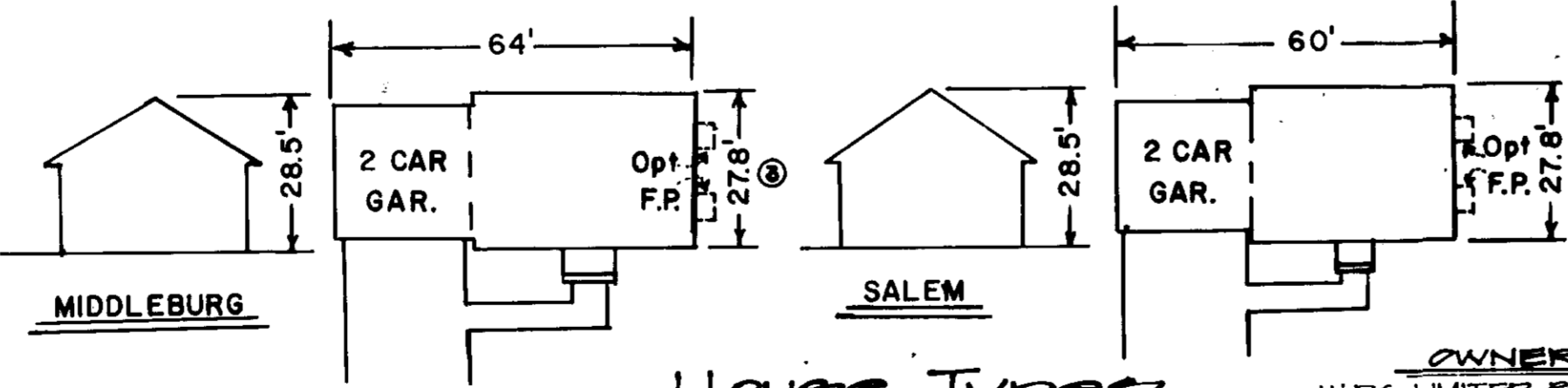
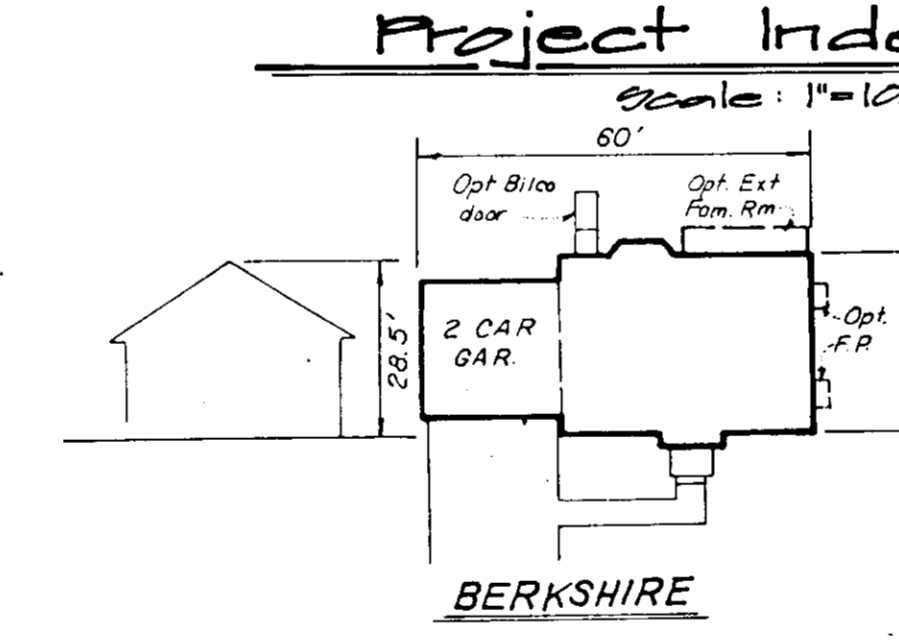
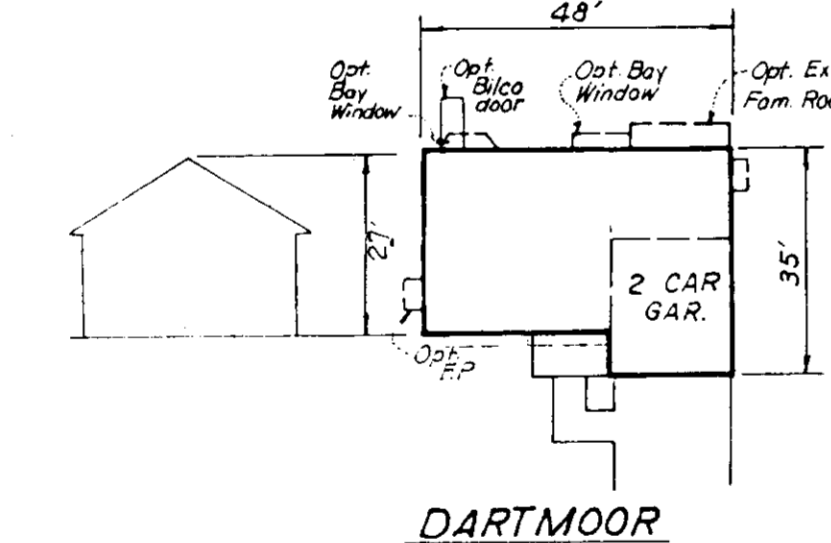
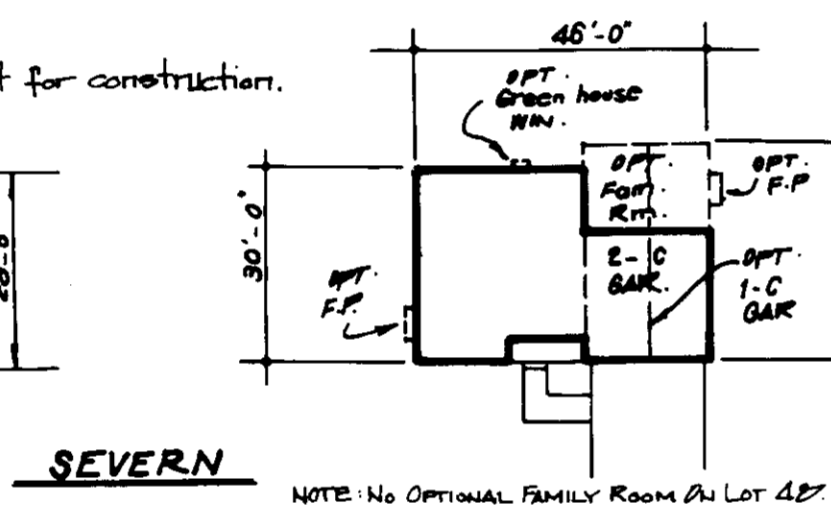
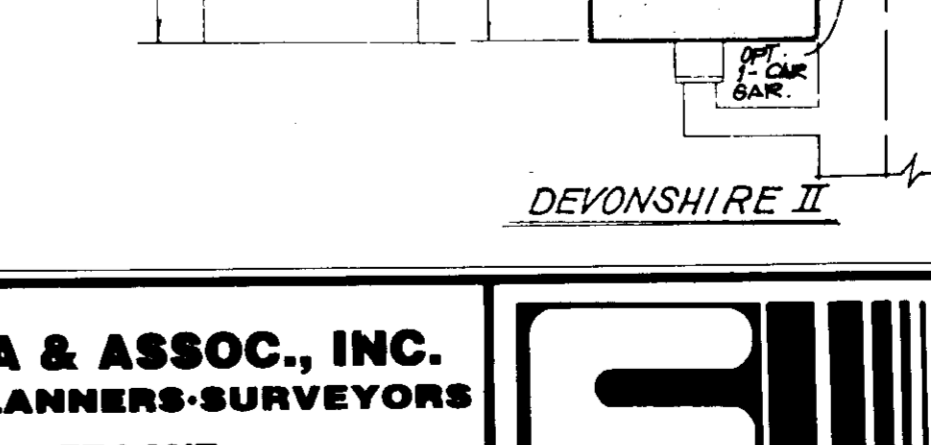
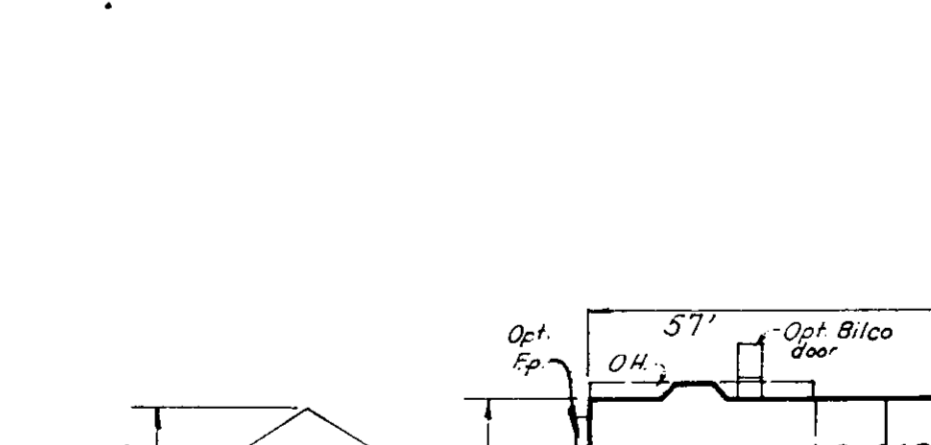
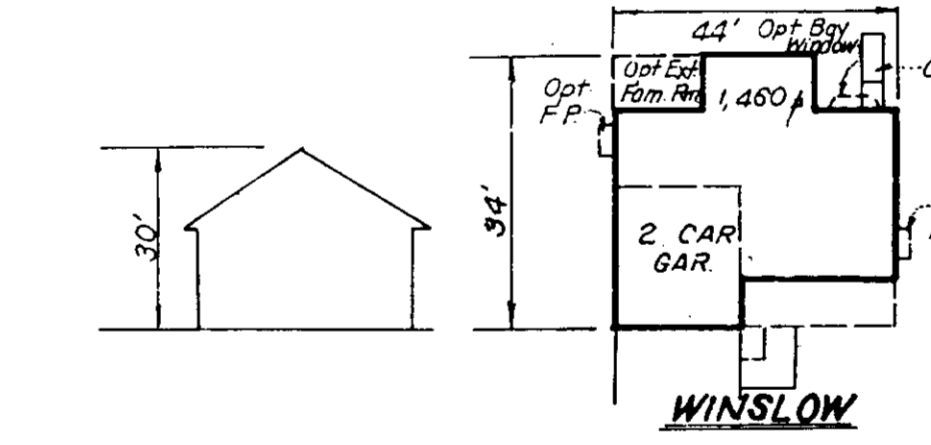
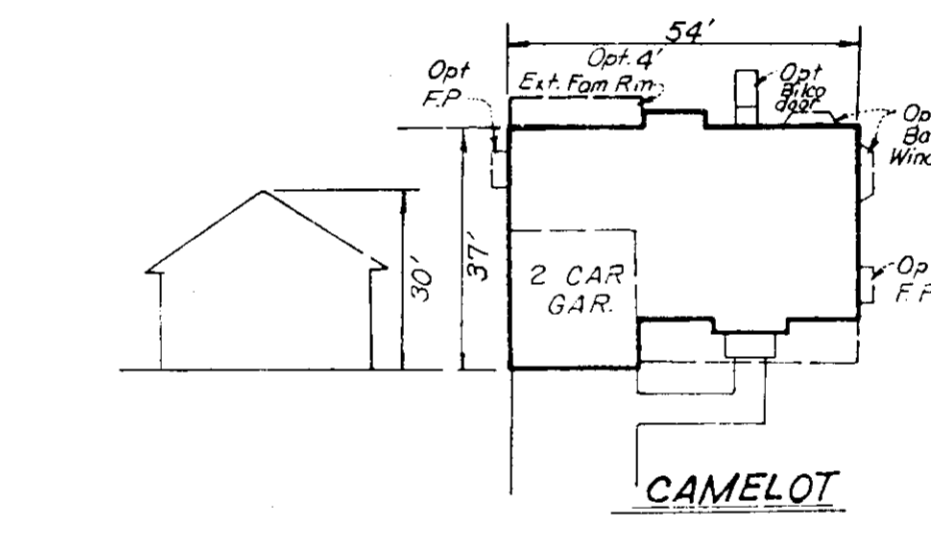
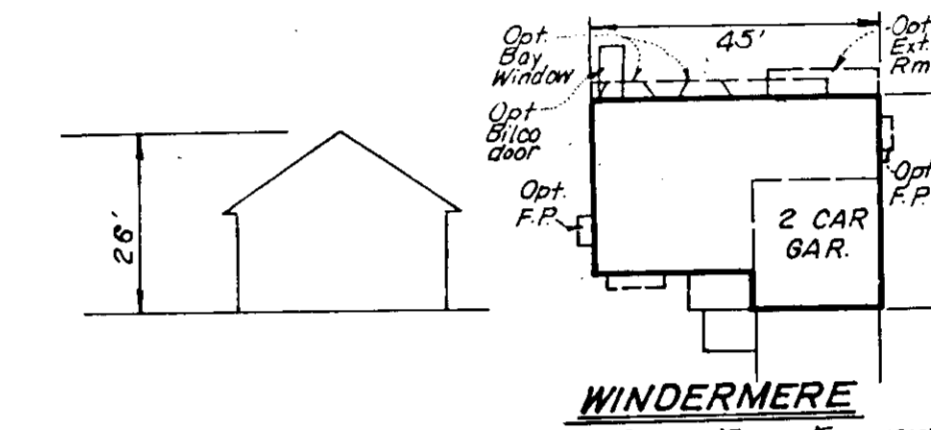
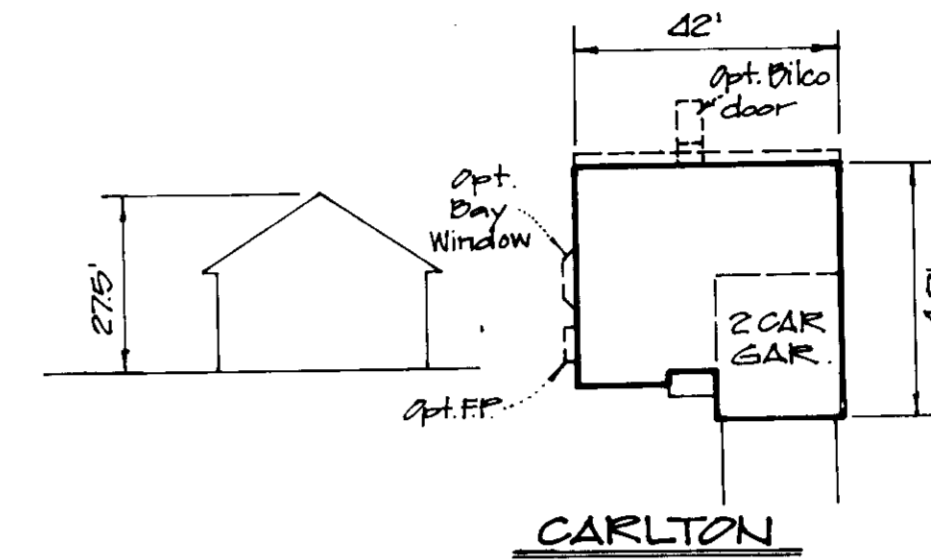
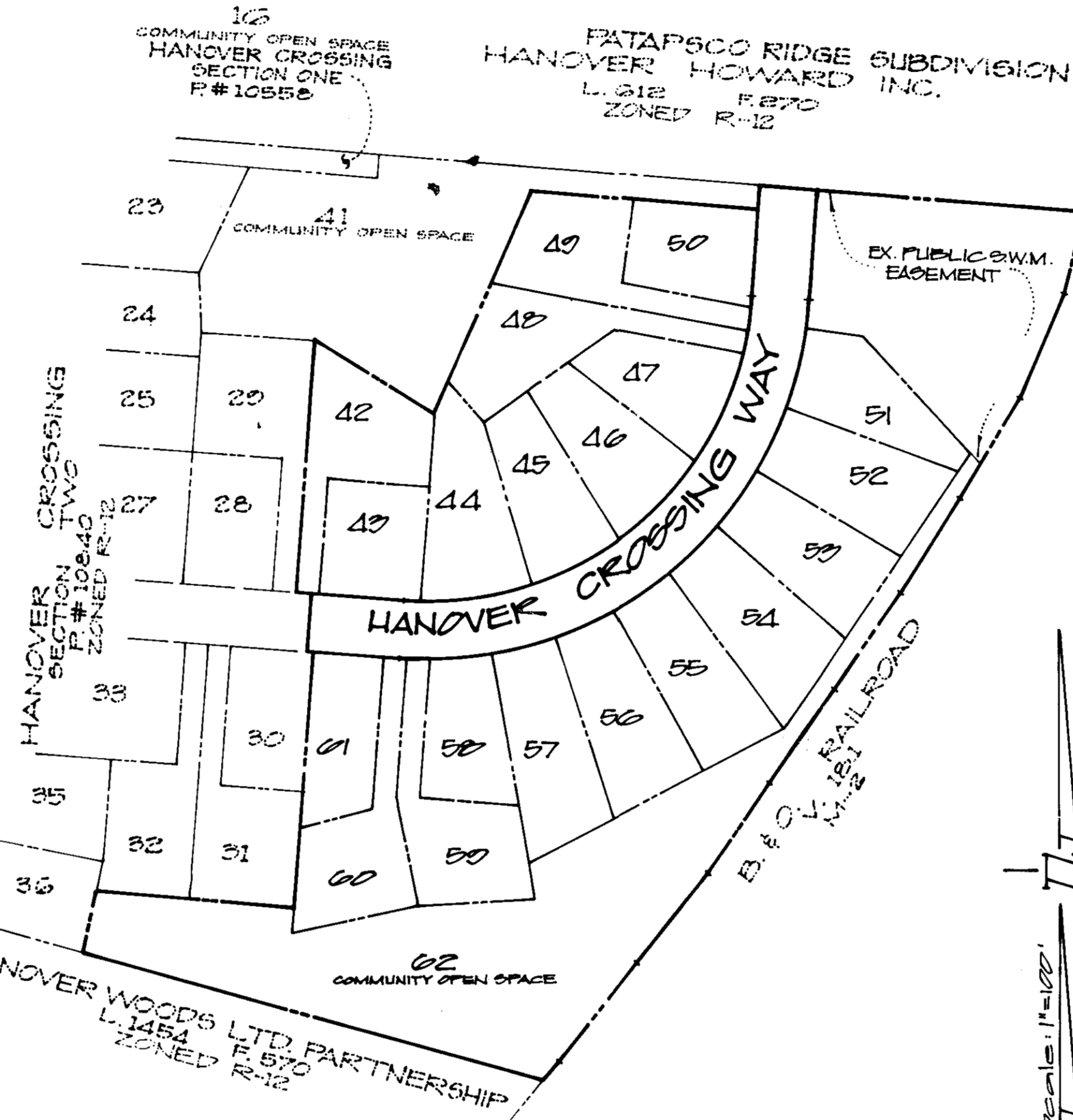
**Special Notes**

1. All road construction, storm drainage facilities and public water and sewer are shown for reference only.
2. Use approved Howard County plans for all phases of construction.
3. Improvements shown within the road right-of-way on this ODF are not for construction. For construction, see approved road construction plans F-21-96.

**HANOVER CROSSING - SECTION THREE  
1<sup>ST</sup> ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND**



Vicinity Map  
Scale: 1" = 2000'



**House Types**

Scale: 1" = 30'  
NOTE: Exterior finishes & options vary according to elevation references.

**OWNER:**  
JNDG LIMITED PARTNERSHIP  
5570 Starnett Place #221  
Columbia, Maryland, 21044  
Phone: (410) 887-4400  
(800) 530-3907

**DEVELOPER:**  
NEWBURN DEVELOPMENT CORPORATION  
5570 Starnett Place #221  
Columbia, Maryland, 21044  
Phone: (410) 887-4400  
(800) 530-3907

**CONTRACT PURCHASER:**  
LOVELL KEGENCY HOMES LIMITED PARTNERSHIP  
47 Old Solomons Island Rd., #201  
Annapolis, Md., 21401  
Phone: (410) 221-8800

**REVISIONS:**  
Added Melbourne footprint dimensions 11-22-94  
Added Harwood footprint dimensions 11-22-94  
Added Salem and Middleburg footprint 8-2-96

**SHAFFER BATT & ASSOC., INC.**  
ENGINEERS-LAND PLANNERS-SURVEYORS  
904 WIND RIVER LANE  
GAITHERSBURG, MARYLAND 20878  
(301) 417-0344



**HANOVER CROSSING**  
SECTION THREE  
1<sup>ST</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
RECORD PLAT NO. 11226 DATE: 7-10-94  
TAX MAP NO. 95 PARCEL NO. 200  
WATER CODE: A-01 SEWER CODE: 210000

SCALE: As Shown  
SHEET: 1 OF 4  
DATE: February, 1994  
DRAWN BY: MH

PERMIT BLOCK					
SUBDIVISION NAME:	HANOVER CROSSING	SECTION:	THREE	LOT:	42 THRU 62
PLAT NO.	11226	BLOCK NO.	15	ZONE	R-12
TAX MAP NO.	95	ELECTION DIST.	1ST	CENSUS TRACT	6012
WATER CODE:	A-01	SEWER CODE:	210000		

ADDRESS CHART	
LOT	STREET ADDRESS
23	2323 HANOVER CROSSING WAY
24	2424 HANOVER CROSSING WAY
25	2525 HANOVER CROSSING WAY
26	2626 HANOVER CROSSING WAY
27	2727 HANOVER CROSSING WAY
28	2828 HANOVER CROSSING WAY
29	2929 HANOVER CROSSING WAY
30	3030 HANOVER CROSSING WAY
31	3131 HANOVER CROSSING WAY
32	3232 HANOVER CROSSING WAY
33	3333 HANOVER CROSSING WAY
34	3434 HANOVER CROSSING WAY
35	3535 HANOVER CROSSING WAY
36	3636 HANOVER CROSSING WAY
37	3737 HANOVER CROSSING WAY
38	3838 HANOVER CROSSING WAY
39	3939 HANOVER CROSSING WAY
40	4040 HANOVER CROSSING WAY
41	4141 HANOVER CROSSING WAY
42	4242 HANOVER CROSSING WAY
43	4343 HANOVER CROSSING WAY
44	4444 HANOVER CROSSING WAY
45	4545 HANOVER CROSSING WAY
46	4646 HANOVER CROSSING WAY
47	4747 HANOVER CROSSING WAY
48	4848 HANOVER CROSSING WAY
49	4949 HANOVER CROSSING WAY
50	5050 HANOVER CROSSING WAY
51	5151 HANOVER CROSSING WAY
52	5252 HANOVER CROSSING WAY
53	5353 HANOVER CROSSING WAY
54	5454 HANOVER CROSSING WAY
55	5555 HANOVER CROSSING WAY
56	5656 HANOVER CROSSING WAY
57	5757 HANOVER CROSSING WAY
58	5858 HANOVER CROSSING WAY
59	5959 HANOVER CROSSING WAY
60	6060 HANOVER CROSSING WAY
61	6161 HANOVER CROSSING WAY
62	6262 HANOVER CROSSING WAY
63	6363 HANOVER CROSSING WAY
64	6464 HANOVER CROSSING WAY
65	6565 HANOVER CROSSING WAY
66	6666 HANOVER CROSSING WAY
67	6767 HANOVER CROSSING WAY
68	6868 HANOVER CROSSING WAY
69	6969 HANOVER CROSSING WAY
70	7070 HANOVER CROSSING WAY
71	7171 HANOVER CROSSING WAY
72	7272 HANOVER CROSSING WAY
73	7373 HANOVER CROSSING WAY
74	7474 HANOVER CROSSING WAY
75	7575 HANOVER CROSSING WAY
76	7676 HANOVER CROSSING WAY
77	7777 HANOVER CROSSING WAY
78	7878 HANOVER CROSSING WAY
79	7979 HANOVER CROSSING WAY
80	8080 HANOVER CROSSING WAY
81	8181 HANOVER CROSSING WAY
82	8282 HANOVER CROSSING WAY
83	8383 HANOVER CROSSING WAY
84	8484 HANOVER CROSSING WAY
85	8585 HANOVER CROSSING WAY
86	8686 HANOVER CROSSING WAY
87	8787 HANOVER CROSSING WAY
88	8888 HANOVER CROSSING WAY
89	8989 HANOVER CROSSING WAY
90	9090 HANOVER CROSSING WAY
91	9191 HANOVER CROSSING WAY
92	9292 HANOVER CROSSING WAY
93	9393 HANOVER CROSSING WAY
94	9494 HANOVER CROSSING WAY
95	9595 HANOVER CROSSING WAY
96	9696 HANOVER CROSSING WAY
97	9797 HANOVER CROSSING WAY
98	9898 HANOVER CROSSING WAY
99	9999 HANOVER CROSSING WAY
100	10000 HANOVER CROSSING WAY

LOT SIZE CHART			
LOT	GROSS AREA	PIPESTEM AREA	STEEP SLOPED NET AREA
23	11,324	1,132	10,192
24	11,324	1,132	10,192
25	11,324	1,132	10,192
26	11,324	1,132	10,192
27	11,324	1,132	10,192
28	11,324	1,132	10,192
29	11,324	1,132	10,192
30	11,324	1,132	10,192
31	11,324	1,132	10,192
32	11,324	1,132	10,192
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34	11,324	1,132	10,192
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82	11,324	1,132	10,192
83	11,324	1,132	10,192
84	11,324	1,132	10,192
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86	11,324	1,132	10,192
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90	11,324	1,132	10,192
91	11,324	1,132	10,192
92	11,324	1,132	10,192
93	11,324	1,132	10,192
94	11,324	1,132	10,192
95	11,324	1,132	10,192
96	11,324	1,132	10,192
97	11,324	1,132	10,192
98	11,324	1,132	10,192
99	11,324	1,132	10,192
100	11,324	1,132	10,192

SHEET INDEX	
No.	DESCRIPTION
1	COVER SHEET
2	SITE DEVELOPMENT PLAN
3	SEPTIMENT & PERCOLATION CONTROL PLAN
4	DETAIL SHEET

THIS IS TO CERTIFY THAT I AM RESPONSIBLE FOR REVISION NO. 3 SHOWN, DATED 8-2-96.

*[Signature]*  
REGISTERED PROFESSIONAL ENGINEER  
8/2/96

APPROVED: Howard County Dept. of Planning & Zoning  
*[Signature]* 7/26/94  
Director Date

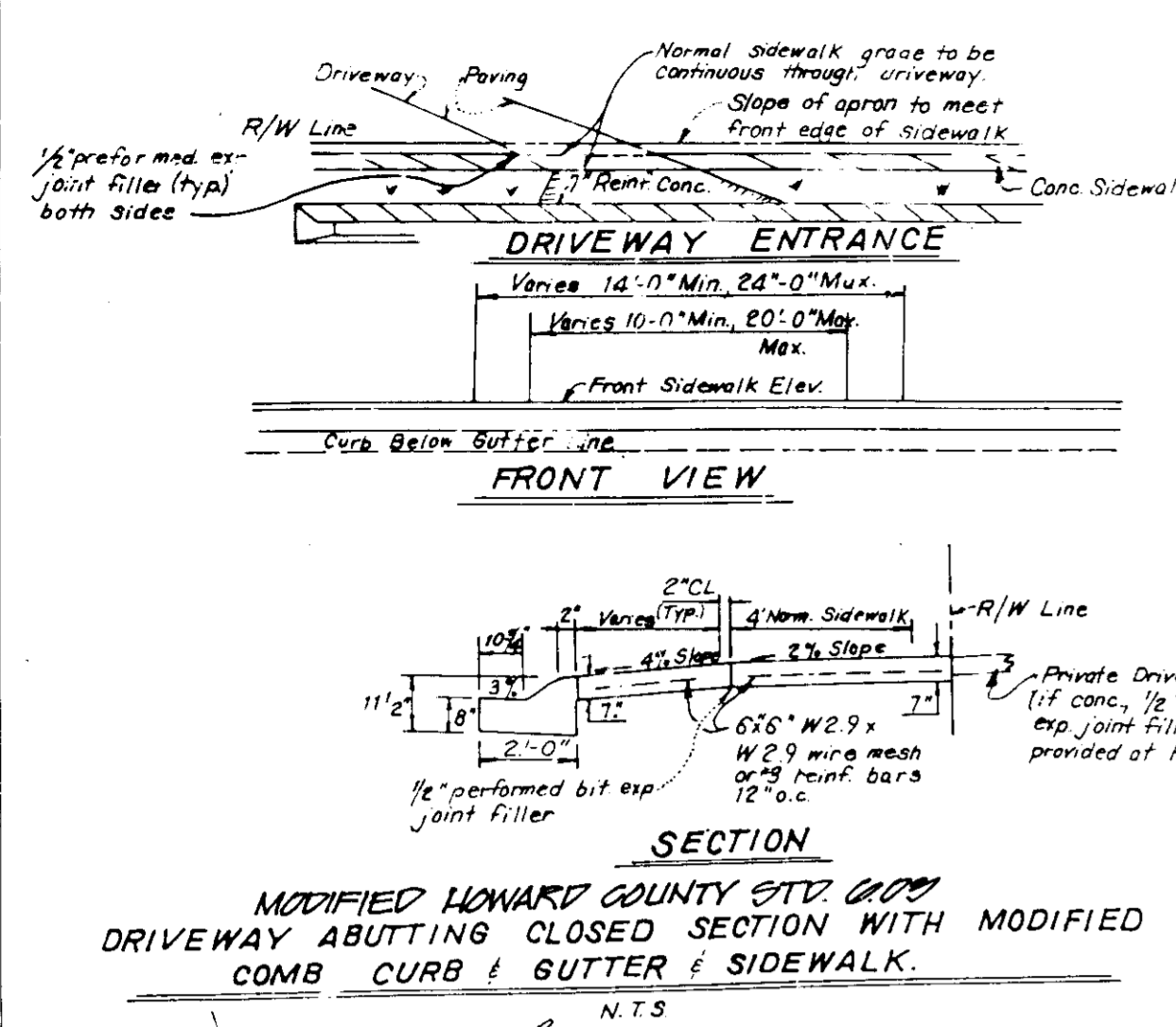
*[Signature]* 7/25/94  
Chief, Division of Land Development & Research Date

APPROVED: for public water and public sewerage, storm drainage systems and public roads  
Howard County Department of Public Works  
*[Signature]* 7/21/94  
Director Date

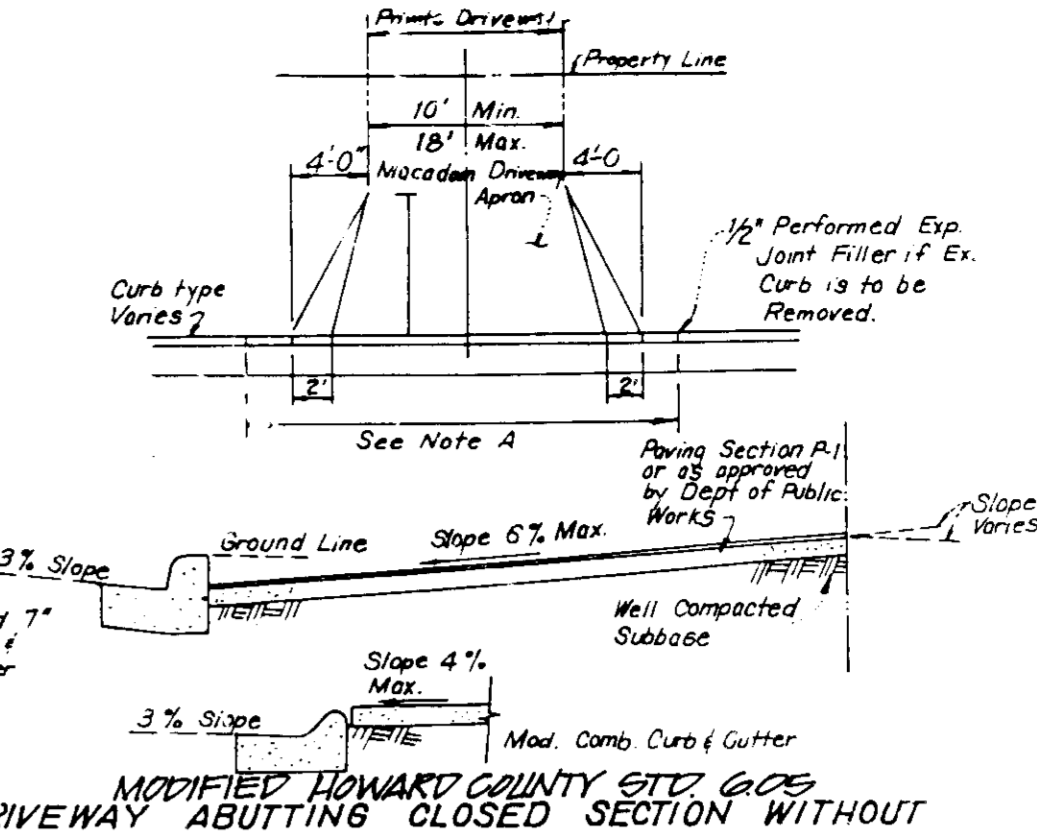
*[Signature]* 7/22/94  
Chief, Bureau of Engineering M.K. Date







The wetland and stream buffer indicated on this plan do not affect the initial construction of a structure. All construction within the wetland buffer shall be subject to the grading of construction in the buffer area. Maintenance of roads, landscaping and utilities is permitted.



**Legend**

CONTOUR INTERVAL 2 Feet

EXISTING CONTOUR 11.2

PROPOSED CONTOUR 11.0

SPOT ELEVATION 110.5

DIRECTION OF DRAINAGE

WALK OUT BASEMENT

TREES TO BE SAVED

WETLAND LIMIT

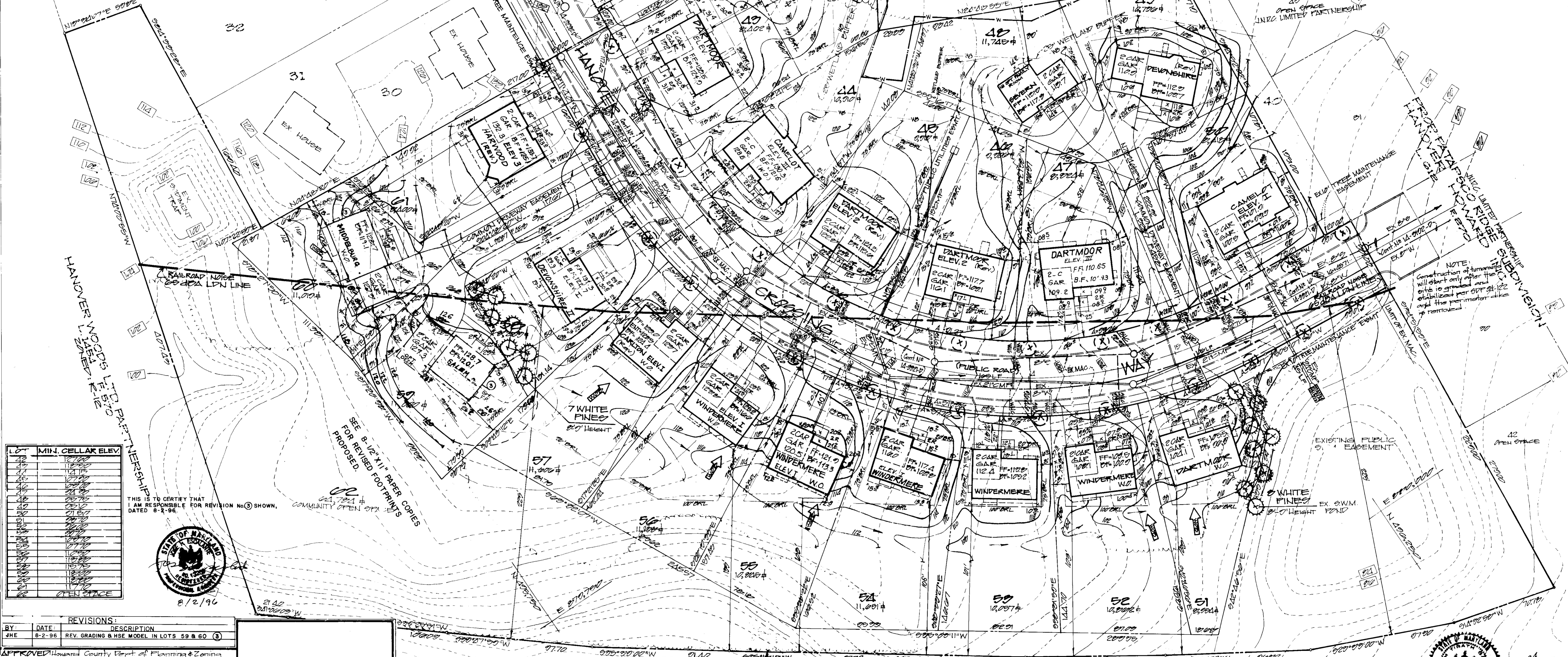
25' WETLAND BUFFER

STREET TREES (to be installed under F-01-02)

**RAILROAD NOISE NOTES:**

1) Lots B1 thru G2 are in a noise sensitive area and prolonged outdoor exposure may result in hearing impairment.

2) Any proposed principal dwellings constructed on lots B1 thru G2 shall be of architectural design to reduce exterior noise levels to a maximum of 45 dBA within the dwelling.



LOT	MIN. CELLAR ELEV.
42	110.00
43	110.00
44	110.00
45	110.00
46	110.00
47	110.00
48	110.00
49	110.00
50	110.00
51	110.00
52	110.00

THIS IS TO CERTIFY THAT I AM RESPONSIBLE FOR REVISION NO. 3 SHOWN, DATED 8-2-96.



**REVISIONS:**

BY	DATE	DESCRIPTION
JHE	8-2-96	REV. GRADING & MSE MODEL IN LOTS 59 & 60 (3)

APPROVED: Howard County Dept of Planning & Zoning

*Joseph Beuth* 7/26/94  
Director

*Anna Summery* 7/25/94  
Chief, Division of Land Development & Research

APPROVED: for public water and public sewerage, storm drainage systems and public roads.  
Howard County Department of Public Works

*James J. Lee* 7/22/94  
Director

*Paul J. Simon* 7/22/94  
Chief, Bureau of Engineering MK

**OWNER:**  
JINDO LIMITED PARTNERSHIP  
5570 Sterrett Place #201  
Columbia, Maryland, 21044  
Phone: (410) 667-1100

**DEVELOPER:**  
NEWBURN DEVELOPMENT CORPORATION  
5570 Sterrett Place #201  
Columbia, Maryland, 21044  
Phone: (410) 667-1100

**CONTRACT PURCHASER:**  
LOVELL REGENCY HOMES LTD. PARTNERSHIP  
40 Old Coloman - Island Ave. #201  
Annapolis, Md. 21401  
Phone: (301) 221-8000

**REVISIONS:**

8-11-01 REVISION LOTS 42-46  
8-20-01 REVISION LOTS 42-46  
8-20-01 REVISION LOTS 42-46  
8-20-01 REVISION LOTS 42-46  
8-20-01 REVISION LOTS 42-46  
8-20-01 REVISION LOTS 42-46  
8-20-01 REVISION LOTS 42-46  
8-20-01 REVISION LOTS 42-46

**SHAFFER BATT & ASSOC., INC.**  
ENGINEERS - LAND PLANNERS - SURVEYORS

904 WIND RIVER LANE  
GAITHERS VURG, MARYLAND 20878  
(301) 417-0344



**SITE DEVELOPMENT PLAN**  
LOTS 42 THRU 52  
**HANOVER CROSSING**

100 ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
RECORD PLAT NO. 11226 DATE: 7-10-94  
TAX MAP NO. 08  
WATER CODE NO. AC

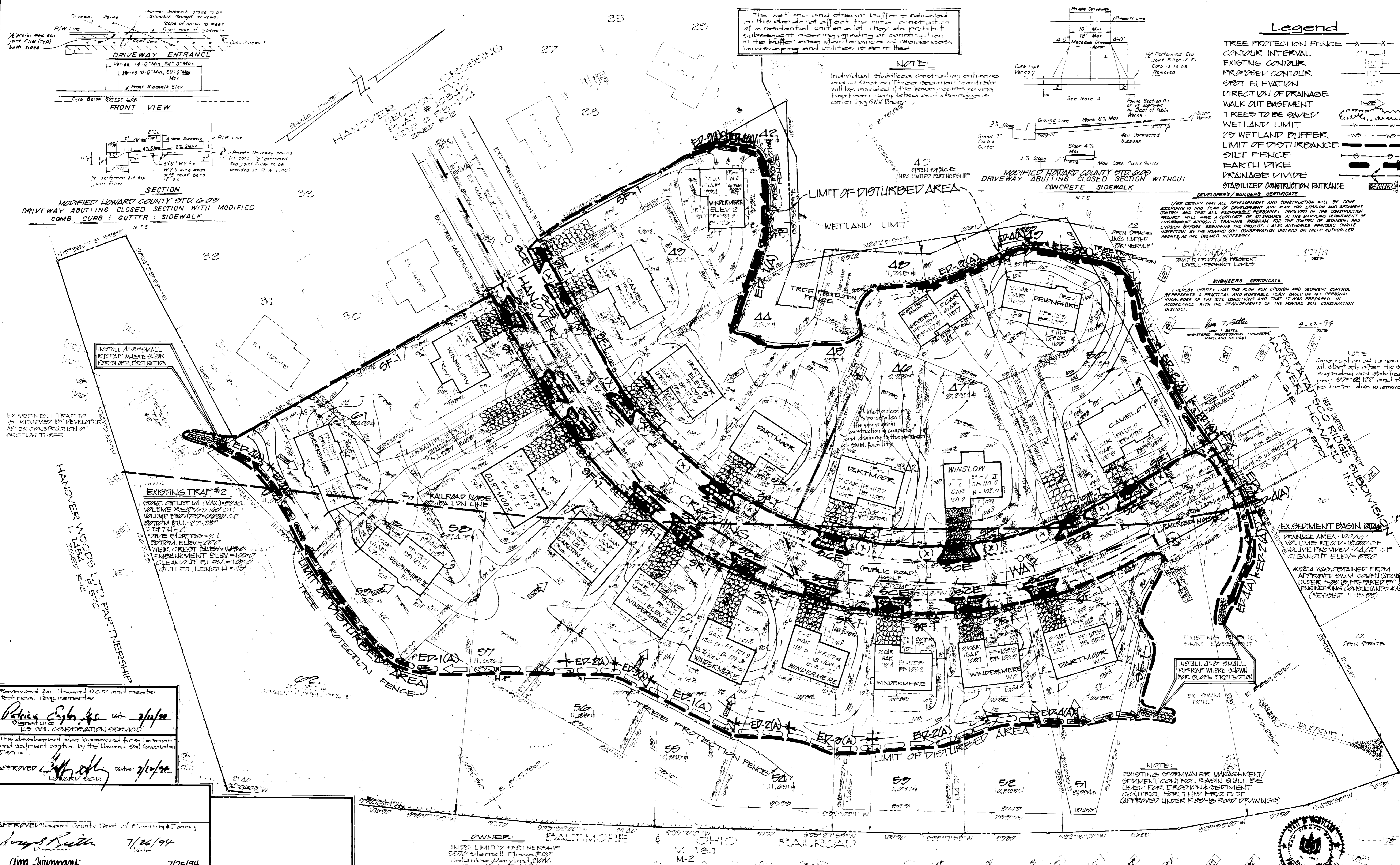
SCALE: 1" = 20'

SHEET: 2 OF 4

DATE: February 11, 1994

DRAWN BY: MK

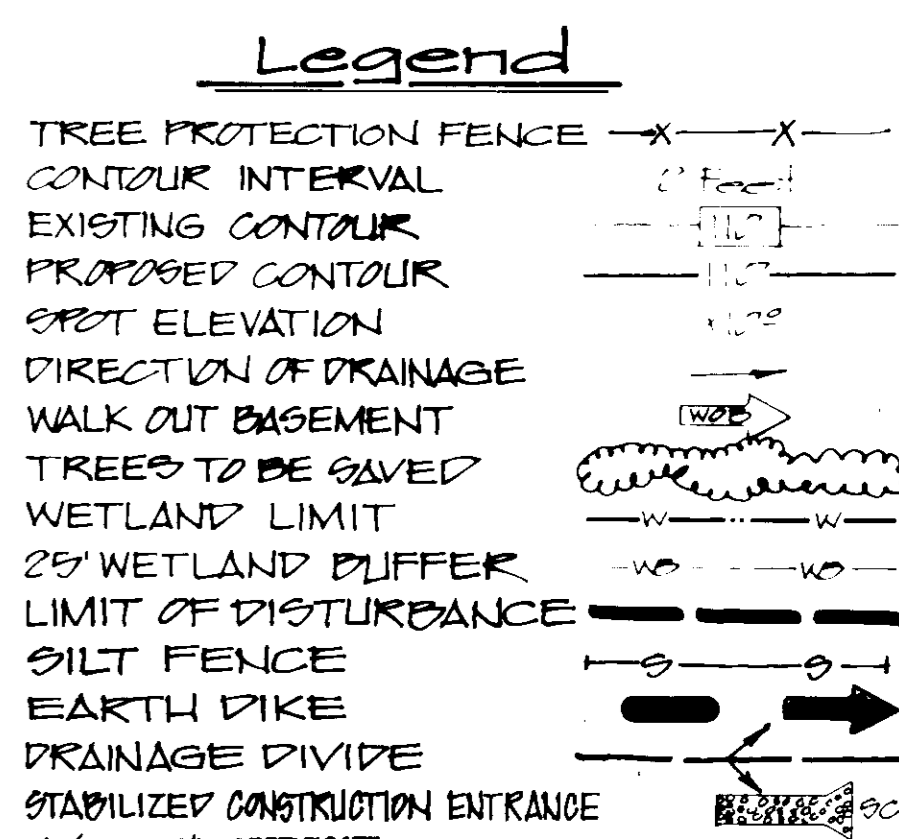
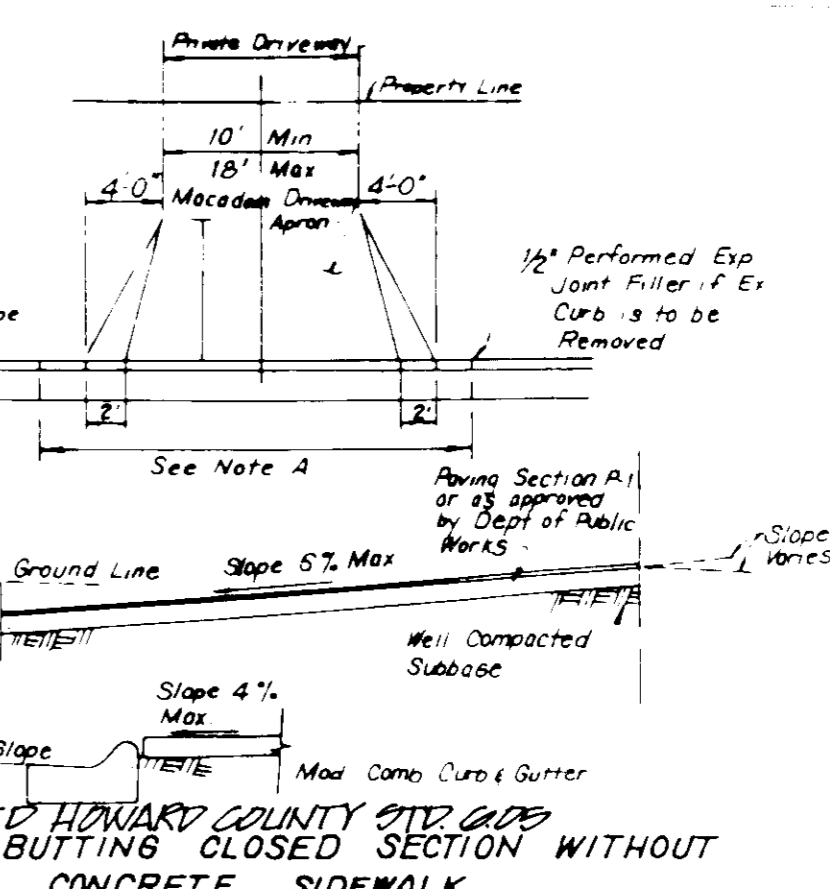




The wetland and stream buffers indicated on this plan do not affect the initial construction of a residential unit on a lot. They do prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of these buffers, landscaping and utilities is permitted.

**NOTE:**

Individual stabilized construction entrance will be installed. These sediment control devices will be provided if the proposed entrance has been completed and drainage is entering SWM Basin.

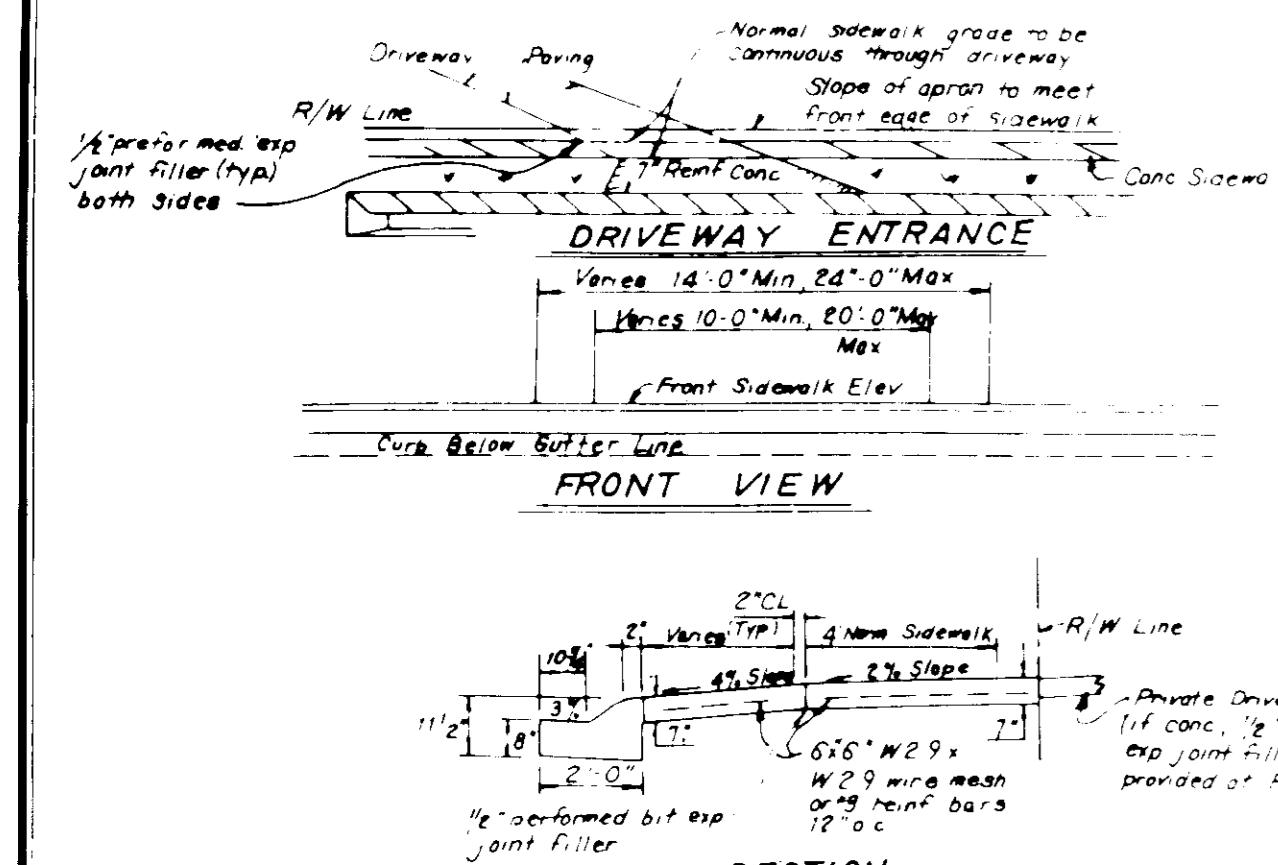


**DEVELOPER'S / BUILDER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING FROM THE HANOVER DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE ALSO AUTHORIZE PERIODIC ORBITE INSPECTION BY THE HANOVER 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 HANOVER SOIL CONSERVATION DISTRICT.

**APPROVED:** [Signature] DATE: 4-22-94  
 REGISTERED PROFESSIONAL ENGINEER, MARYLAND NO. 11843

**NOTE:**  
 Construction of turnaround will start only after the site is operational and stabilized per 07P-0122 and the perimeter dike is removed.



**SECTION**  
 MODIFIED HANOVER COUNTY STD 0-09  
 DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB & GUTTER & SIDEWALK

INSTALL 4\"/>

EX SEDIMENT TRAP TO BE REMOVED BY DEVELOPER AFTER CONSTRUCTION OF SECTION THREE

**EXISTING TRAP #2**  
 STONE OUTLET DIA. (MAX) = 24\"/>

RAILROAD NOISE WALL L.P.N. LINE

REVIEWED FOR HANOVER E.C.D. AND MASTER TECHNICAL REQUIREMENTS  
**Patricia Eyles, Esq.** DATE: 7/16/94  
 U.S. SOIL CONSERVATION SERVICE

APPROVED: [Signature] DATE: 7/16/94  
 HANOVER E.C.D.

APPROVED: [Signature] DATE: 7/26/94  
 Director

APPROVED: [Signature] DATE: 7/25/94  
 Chief, Division of Land Development & Research

APPROVED: [Signature] DATE: 7/22/94  
 Chief, Bureau of Engineering/MK

**OWNER:** BALTIMORE & OHIO RAILROAD  
 V. 181 M-2

**DEVELOPER:** NEWLARK DEVELOPMENT CORPORATION  
 8572 Stennett Place #201  
 Columbia, Maryland, 21044  
 Phone: (410) 997-4488

**CONTRACT PURCHASER:** LOVELL REGENCY HOMES LIMITED PARTNERSHIP  
 40 Old Solomons Island Rd. #20  
 Annapolis, Md., 21403  
 Phone: (301) 261-8885

**REVISIONS:**

1	2-21-94	REVISED TO SHOW 42' E.C.D.
2	3-21-94	REVISED TO SHOW 42' E.C.D.
3	4-21-94	REVISED TO SHOW 42' E.C.D.

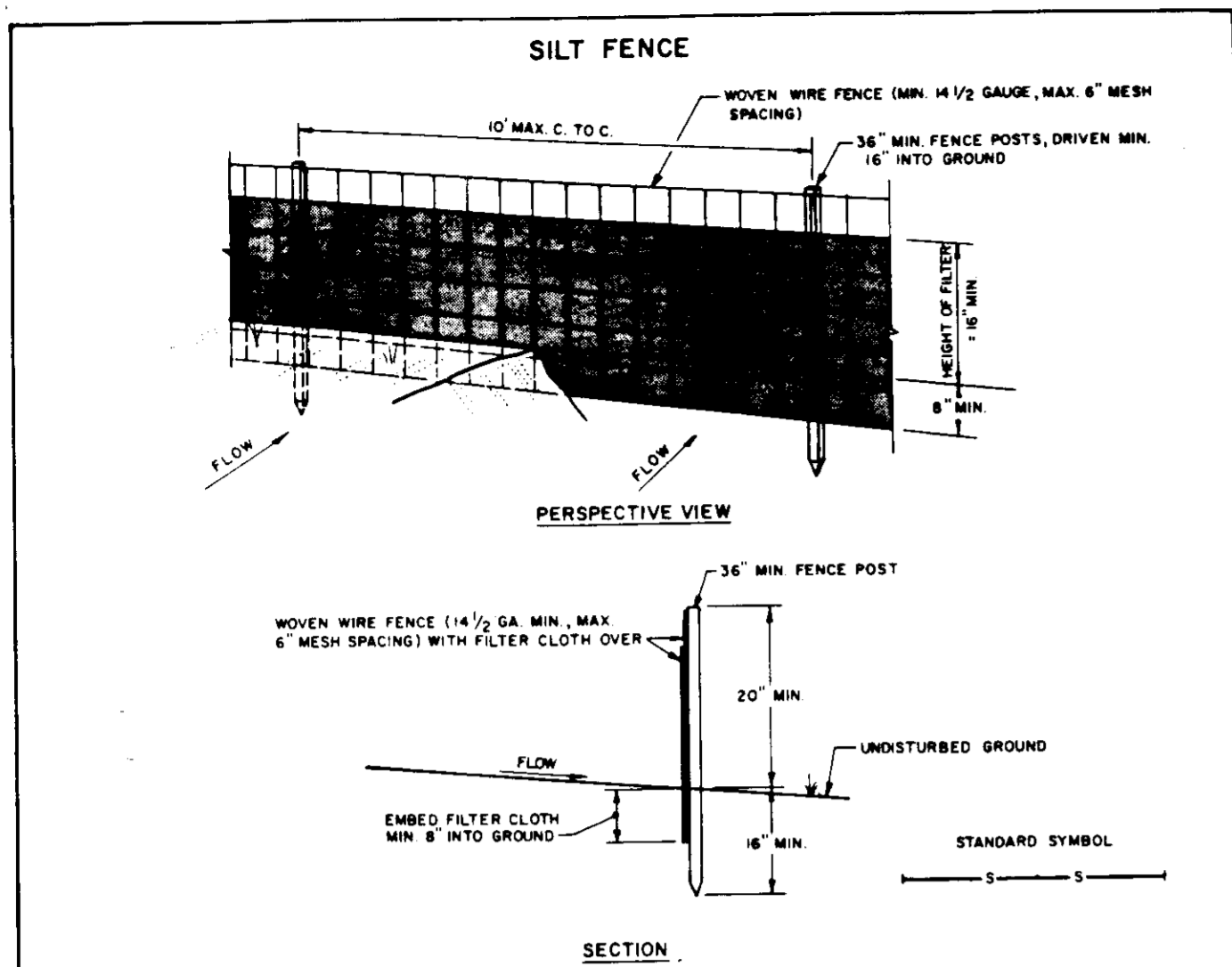
**SHAFFER BATTA & ASSOC., INC.**  
 ENGINEERS-LAND PLANNERS-SURVEYORS  
 904 WIND RIVER LANE  
 GAITHERSBURG, MARYLAND 20878  
 (301) 417-0344



**SEDIMENT & EROSION CONTROL PLAN**  
 LOTS 42 THRU 82  
**HANOVER CROSSING**  
 SECTION THREE  
 100' ELEVATION DISTRICT HANOVER COUNTY, MARYLAND  
 RECORD PLAN NO. 11822 DATE 7-10-94  
 TAX MAP NO. 3-2 PARCEL NO. 2000  
 WATER CODE A-01 SEWER CODE 21000

SCALE: 1"=20'  
 SHEET: 3 OF 4  
 DATE: February 1994  
 DRAWN BY: MK





**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

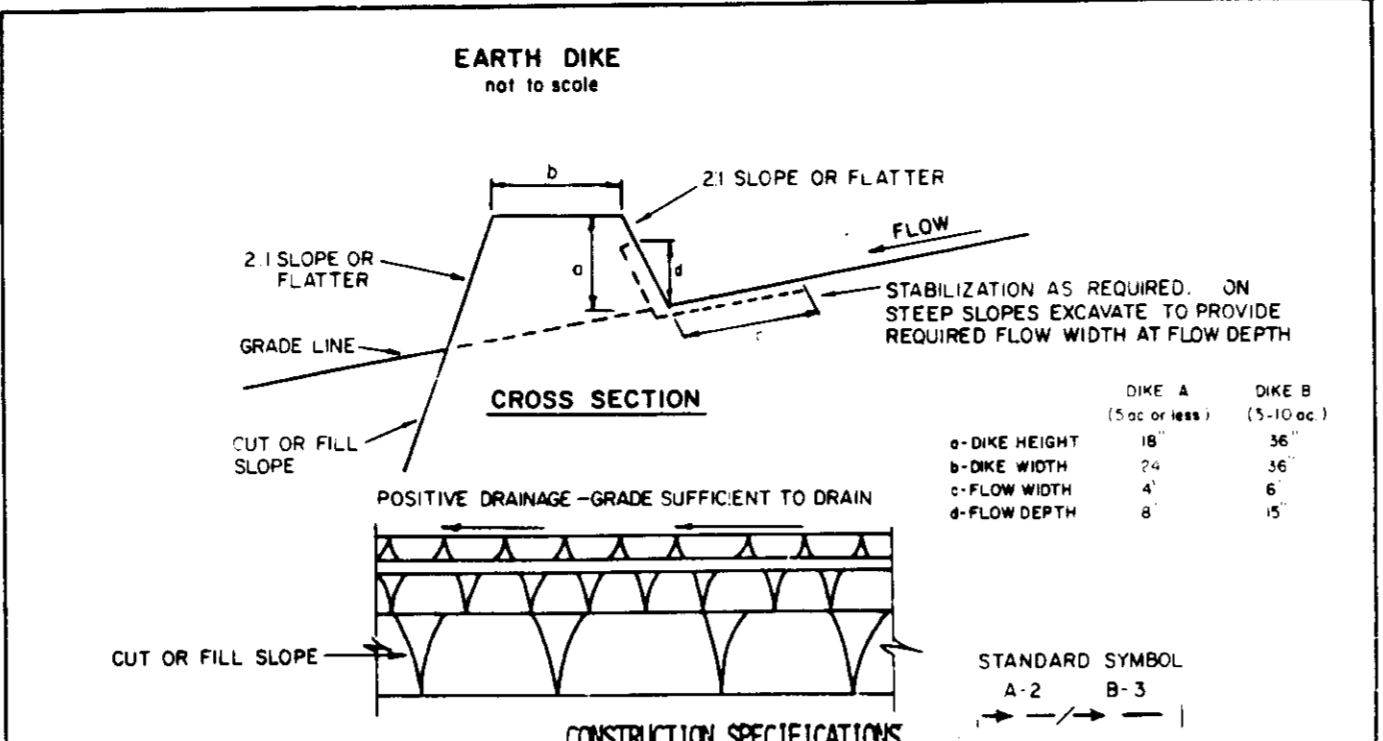
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>

**POSTS:** STEEL EITHER T OR U TYPE OR 2\"/>

**FENCE:** WOVEN WIRE, 1/4\"/>

**SECTION:** 36\"/>

**STANDARD DRAWING:** SF



**CONSTRUCTION SPECIFICATIONS**

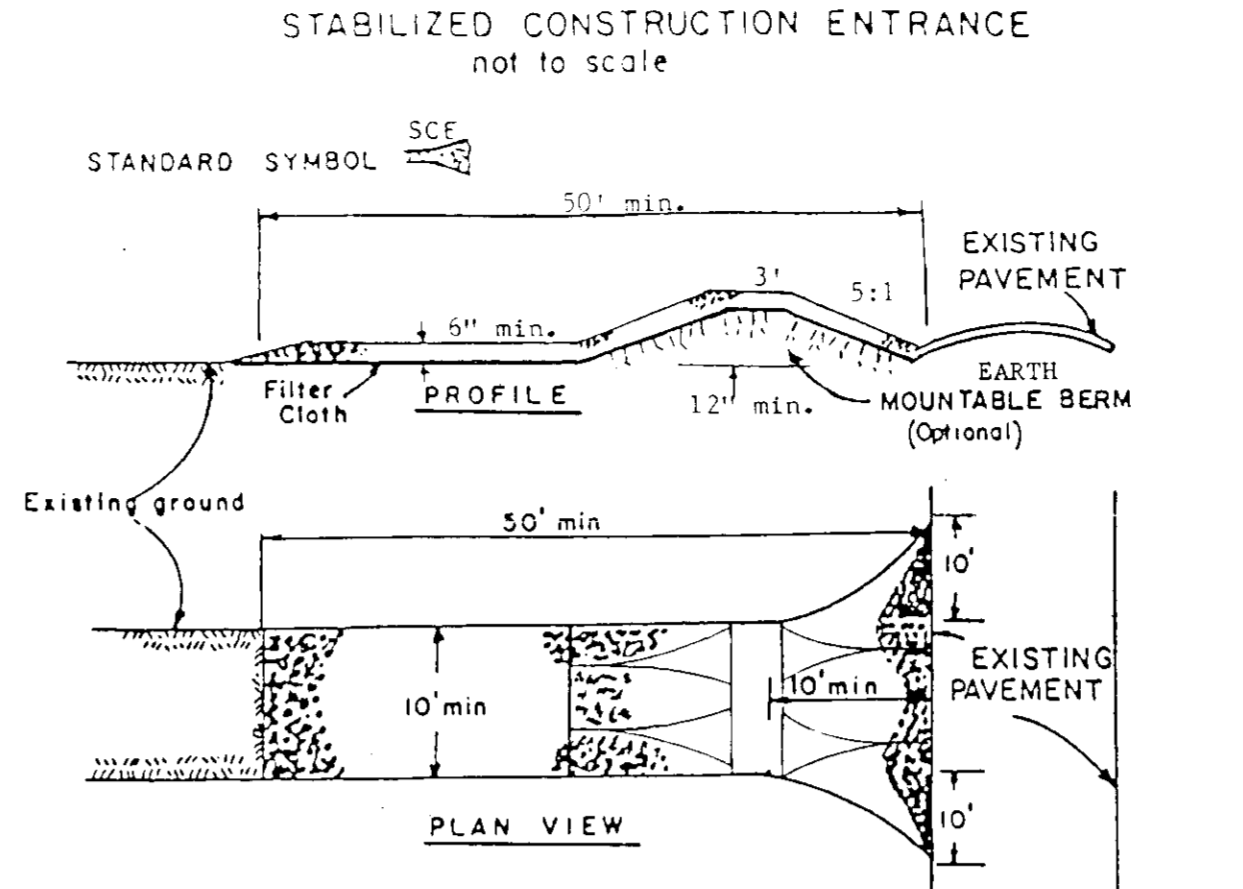
1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION.
6. 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 THE CHART BELOW.

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSTON, SOB, 2\"/>
3	5.1-8.0%	SEED WITH JUTE, OR SOB, 2\"/>	
4	8.1-20%	LINED RIP-RAP 4-8\"/>	

**CONSTRUCTION SPECIFICATIONS**

- A. Stone to be 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
- B. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.
- C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

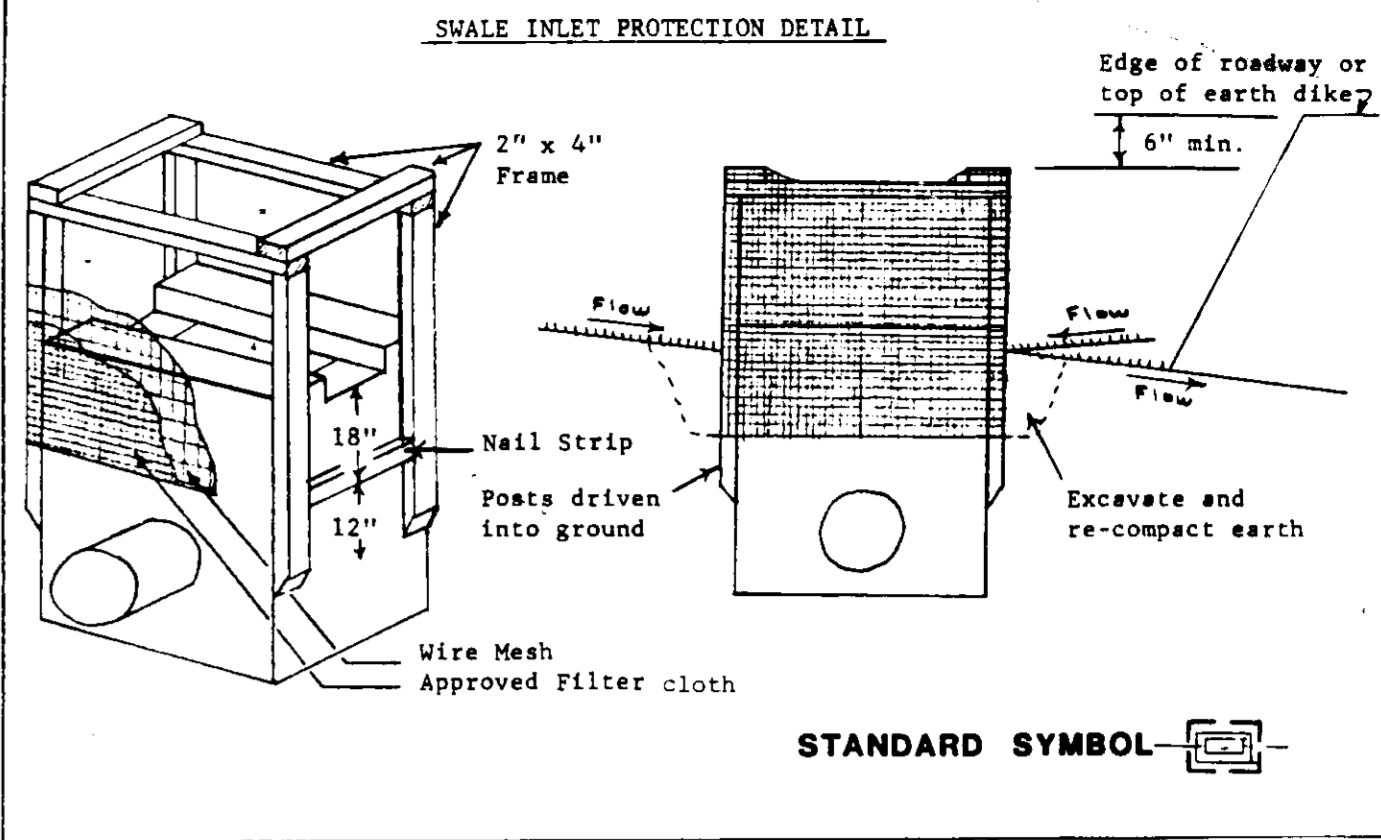
**STANDARD DRAWING:** ED-1



**CONSTRUCTION SPECIFICATIONS**

1. Stone Size - Use 2\"/>
- 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- 3. Thickness - Not less than six (6) inches.
- 4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
- 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a slight family residence lot.
- 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
- 7. 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 conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- 8. 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.
- 9. Periodic inspection and needed maintenance shall be provided after each rain.

**STANDARD DRAWING:** SCE-1



**CONSTRUCTION SPECIFICATIONS**

1. The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet H&A Size No. 2 or 24.
2. The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
3. The stone outlet structure shall be embedded into the soil a minimum of four inches.
4. The minimum length, in feet, of the crest of the stone outlet structure shall be six.
5. The stone outlet structure shall be inspected after each rain, and the stone shall be replaced when the structure ceases to function as intended due to silt accumulation among the stone, washed, construction traffic damage, etc.
6. The baffle board shall be extended one foot into the dike, staked and embedded 6 inches into existing ground.

**STANDARD DRAWING:** SOB-1

**PERMANENT SEEDING NOTES**

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

**Seeding Recommendations:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. If not previously loosened, use one of the following methods:

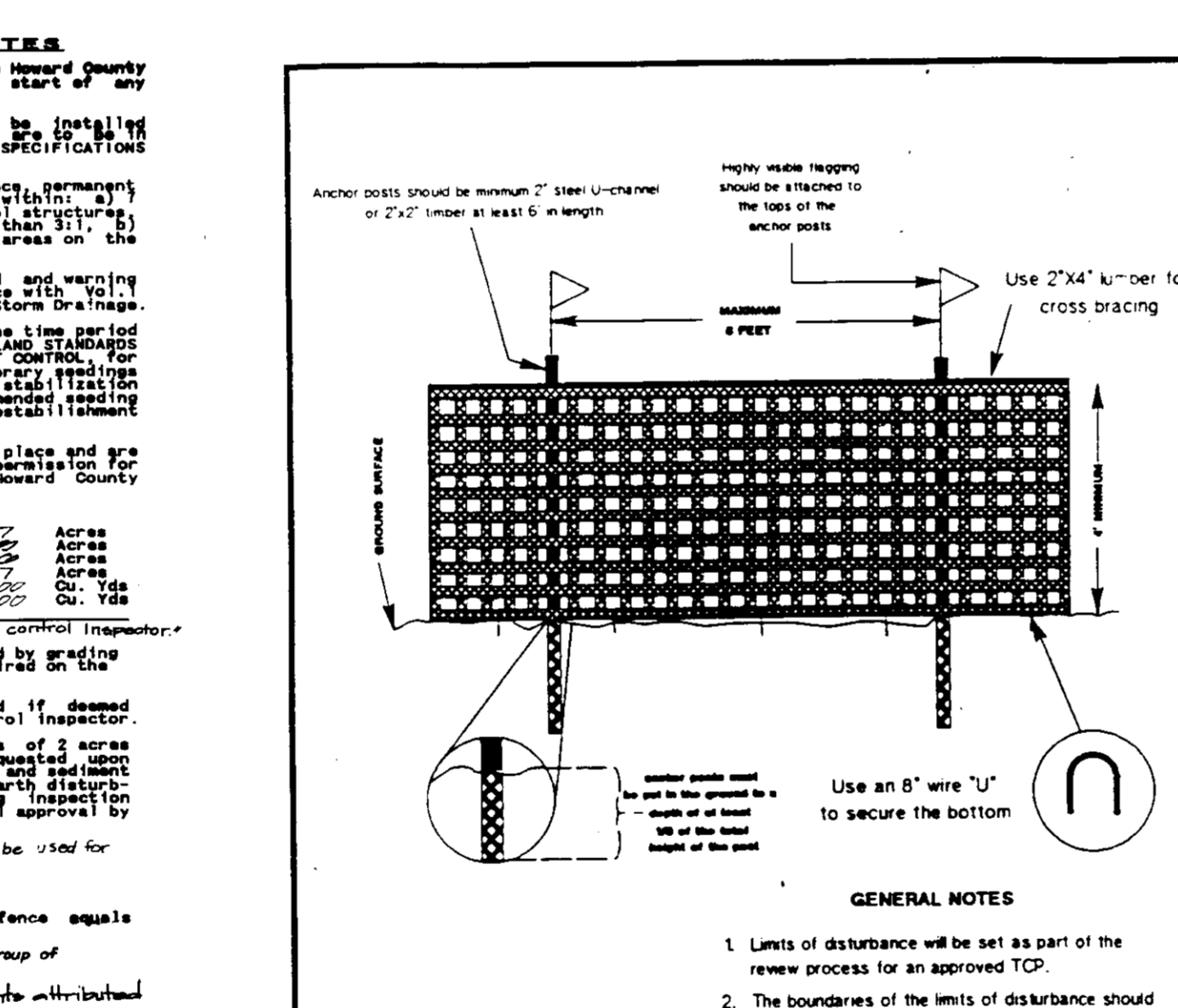
- 1) Broadcast - Apply 2 tons per acre dolomitic limestone (22 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Apply 400 lbs per acre 30-0-0 ureaform fertilizer (14 lbs/1000 sq ft).
- 2) Accessible - Apply 2 tons per acre dolomitic limestone (22 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be resturbed where a short-term vegetative cover is needed.

**Seeding Recommendations:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. If not previously loosened, use one of the following methods:

- 1) Broadcast - Apply 2 tons per acre dolomitic limestone (22 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Apply 400 lbs per acre 30-0-0 ureaform fertilizer (14 lbs/1000 sq ft).
- 2) Accessible - Apply 2 tons per acre dolomitic limestone (22 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.



**GENERAL NOTES**

1. Limits of disturbance will be set as part of the review process for an approved TCD.
2. The boundaries of the limits of disturbance should be staked and flagged prior to erecting the protective device.
3. Anchor posts should be placed to avoid severing or damaging utility line roots.
4. Fencing material should be fastened securely to the anchor posts, cross bracing, and ground.

**OWNER:**  
J.N.D.C. LIMITED PARTNERSHIP  
5970 Sherman Pl. #201  
Columbia, Maryland, 21044  
Phone: (410) 997-4400  
(410) 998-9997

**DEVELOPER:**  
NEWBURN DEVELOPMENT CORPORATION  
5970 Sherman Pl. #201  
Columbia, Maryland, 21044  
Phone: (410) 997-4400  
(410) 998-9997

**CONTRACT PURCHASER:**  
LOVELL REGENCY HOMES LIMITED PARTNERSHIP  
40 Old Solomons Island Rd., #201  
Annapolis, Md. 21401  
Phone: (410) 821-8800

**STANDARD DRAWING:** TPD-G OPTION 3

**STANDARD AND SPECIFICATIONS FOR STORM DRAIN INLET PROTECTION**

**Definition:** Filter cloth installed around inlets in the form of a fence or across an opening, thereby reducing sediment content of sediment laden water.

**Purpose:** To prevent sediment laden water from entering a storm drain system through inlets.

**Conditions Where Practice Applies:** This practice shall be used where the drainage area to an inlet is disturbed, it is not possible to temporarily divert the storm drain outfall into a sediment trapping device and water tight blocking of inlets is not advisable. It is not to be used in place of sediment trapping devices. This practice may be used in conjunction with storm drain diversion to help prevent saturation of pipes installed with a low slope angle.

**Construction Specifications:**

- I. Materials
  - A. Wooden frame is to be constructed of 2\"/>
  - B. Wire mesh must be of sufficient strength to support filter fabric, and stone for curb inlets, with water fully impounded against it.
  - C. Filter cloth must be of a type approved for this purpose; resistant to sunlight with sieve size, 80S, 40-85, to allow sufficient passage of water and removal of sediment.
  - D. Stone is to be 2\"/>
- II. Procedure
  - A. A swale, ditchline or yard inlet protection.
    1. Excavate completely around inlet to a depth of 18\"/>
    - 2. Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 6\"/>
    - 3. Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
    - 4. Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18\"/>
    - 5. Backfill around inlet in compacted 6\"/>
    - 6. If the inlet is not in a low point, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 6\"/>
    - 7. This structure must be inspected frequently and the filter fabric replaced when clogged.

**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 THE MARYLAND DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

*David K. Priddy, Vice President*  
LOVELL REGENCY HOMES  
4/22/94 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.

*Ram T. Batta*  
RAM T. BATA  
REGISTERED PROFESSIONAL ENGINEER  
MARYLAND NO. 11043  
4-22-94 DATE

Reviewed for Howard S.C.D. and meets technical requirements.  
*Patricia Engle, Esq.* Date: 7/10/94  
State Planning & Zoning  
U.S. SOIL CONSERVATION SERVICE

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.  
*Jeffrey J. Adams* Date: 7/10/94  
HOWARD S.C.D.

APPROVED: Howard County Dept of Planning & Zoning  
*Joyce S. Butler* 7/26/94 Date  
Director

*Uma Summanna* 7/25/94 Date  
Chief, Division of Land Development & Research

APPROVED for public water and public sewerage, storm drainage systems and public roads.  
Howard County Department of Public Works  
*Jamie P. Chew* 7/22/94 Date  
Chief, Bureau of Engineering/MK

**REVISIONS:**

**SHAFER BATT & ASSOC., INC.**  
ENGINEERS-LAND PLANNERS-SURVEYORS  
904 WIND RIVER LANE  
GAITHERSBURG, MARYLAND 20878  
(301) 417-0344

**SCALE:**  
As Shown  
SHEET: 4 of 4  
DATE: February, 1994  
DRAWN BY: M1

**HANOVER CROSSING**  
SECTION THREE  
ELECTION DISTRICT  
REGULAR PLAT NO. 11288 DATE: 7-19-92  
TAX MAP NO. 00 PARCEL NO. 200  
WATER CODE: A01 SEWER CODE: 200000

**SEQUENCE OF CONSTRUCTION**

Work Description	Time
1. OBTAIN GRADING PERMIT.	N/A
2. INSTALL BLAZE ORANGE PLASTIC MESH TREE PROTECTION DEVICE AS SHOWN ON SHEET 4 OF 4	1 Day
3. REPAIR AS NECESSARY EXISTING SEDIMENT AND EROSION CONTROL DEVICES AND INSTALL ADDITIONAL CONTROL AS SHOWN ON SHEET 4 OF 4	4 Days
4. EXCAVATE FOR FOUNDATIONS.	60 Days
5. CONSTRUCT HOUSES, SIDEWALKS AND DRIVEWAYS.	200 Days
6. FINAL GRADE AND STABILIZE THE DISTURBED AREA WITH PERMANENT VEGETATIVE COVER IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS.	5 Days
7. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT AND EROSION CONTROL.	5 Days
<b>TOTAL</b>	<b>278 Days</b>

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