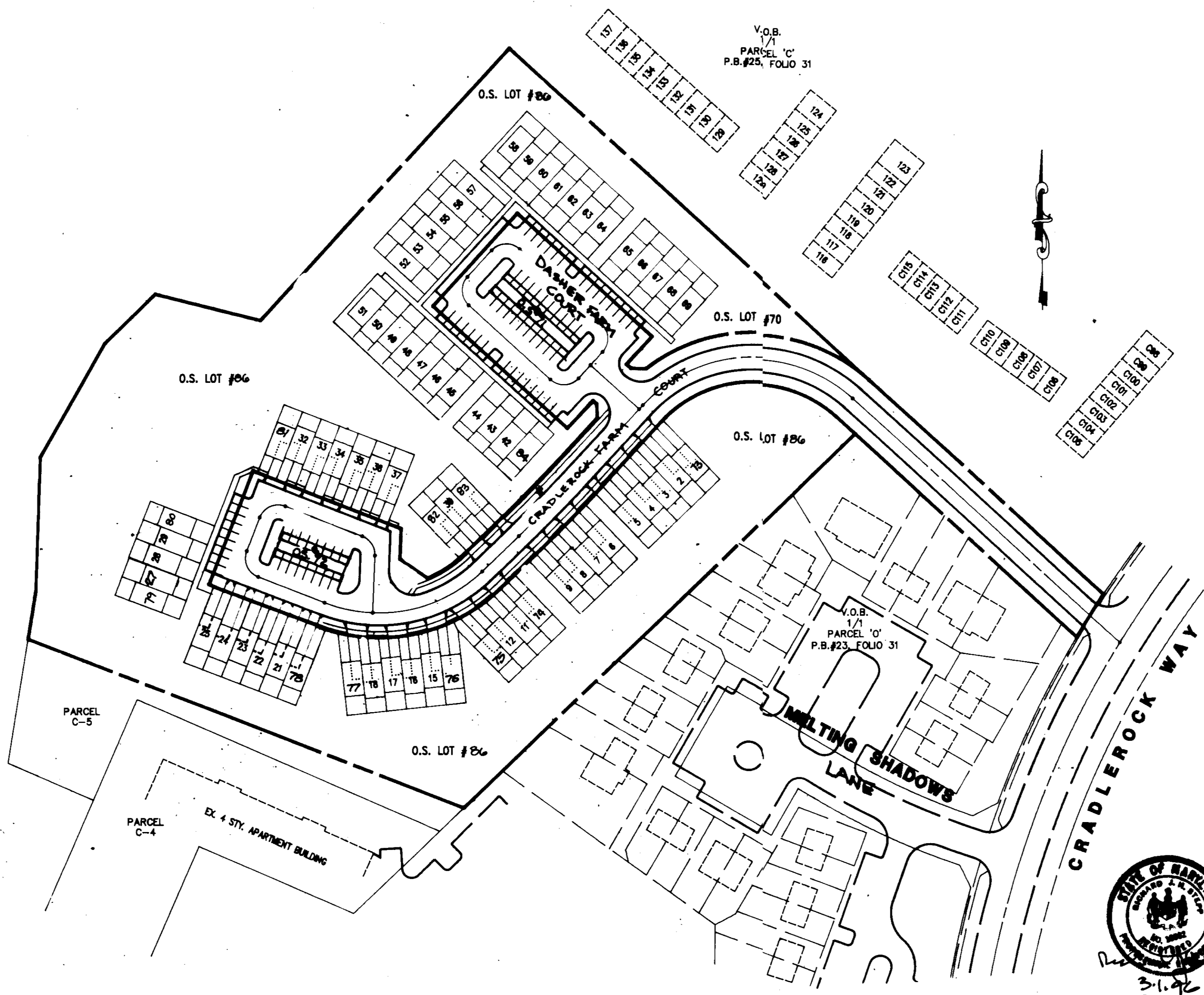
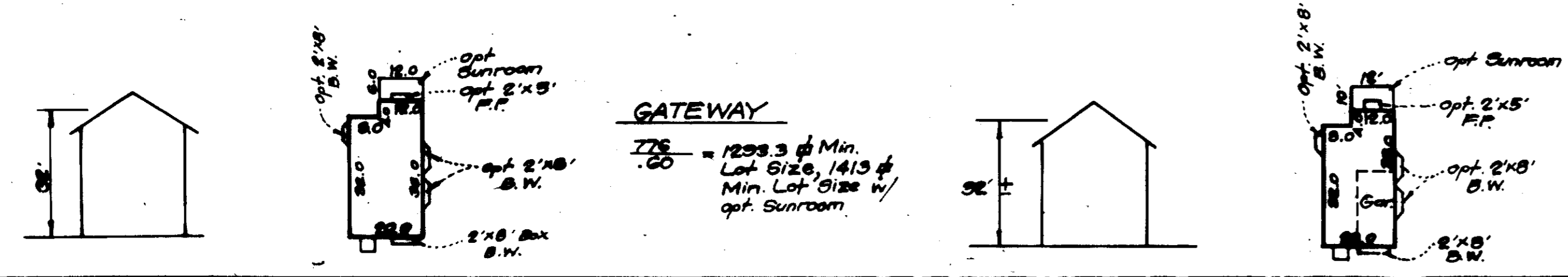
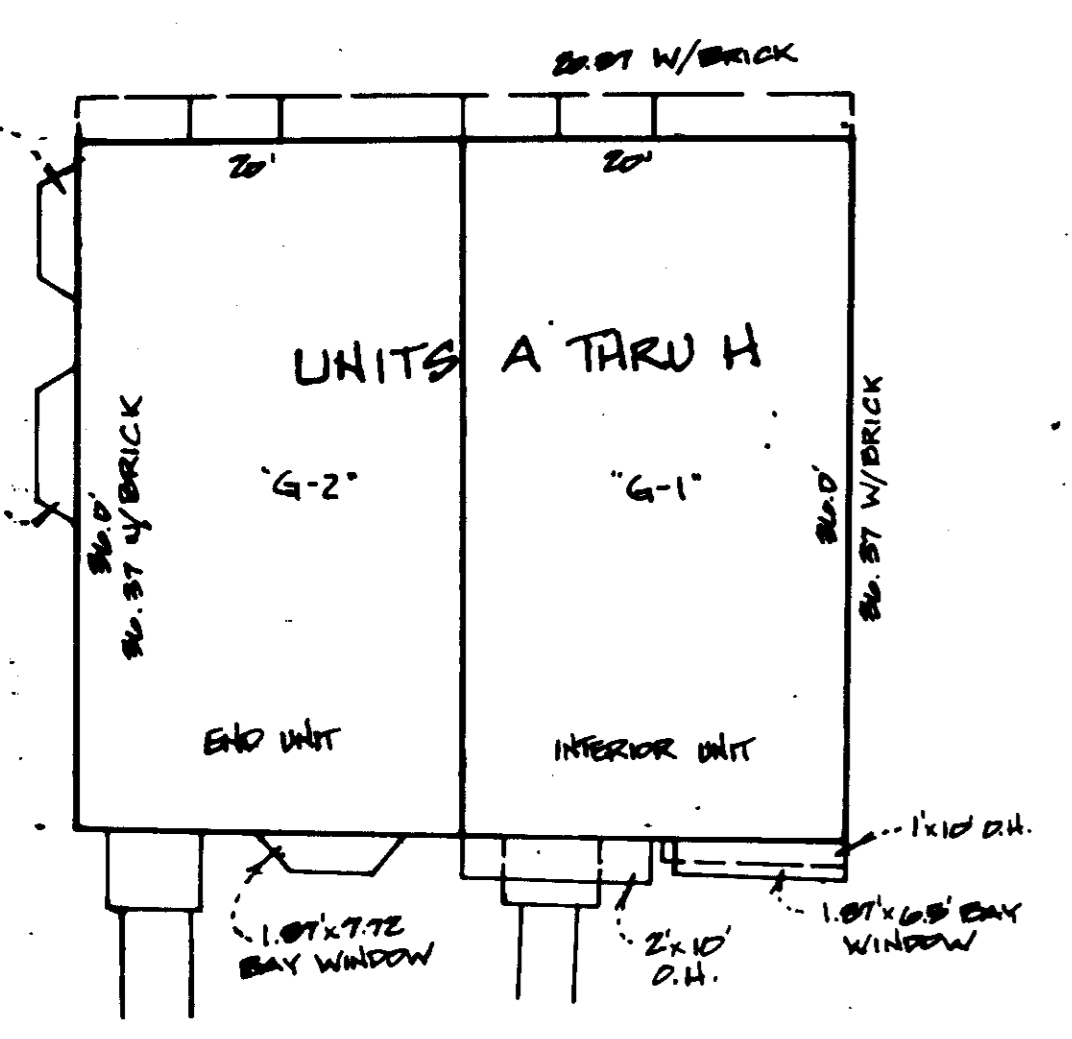
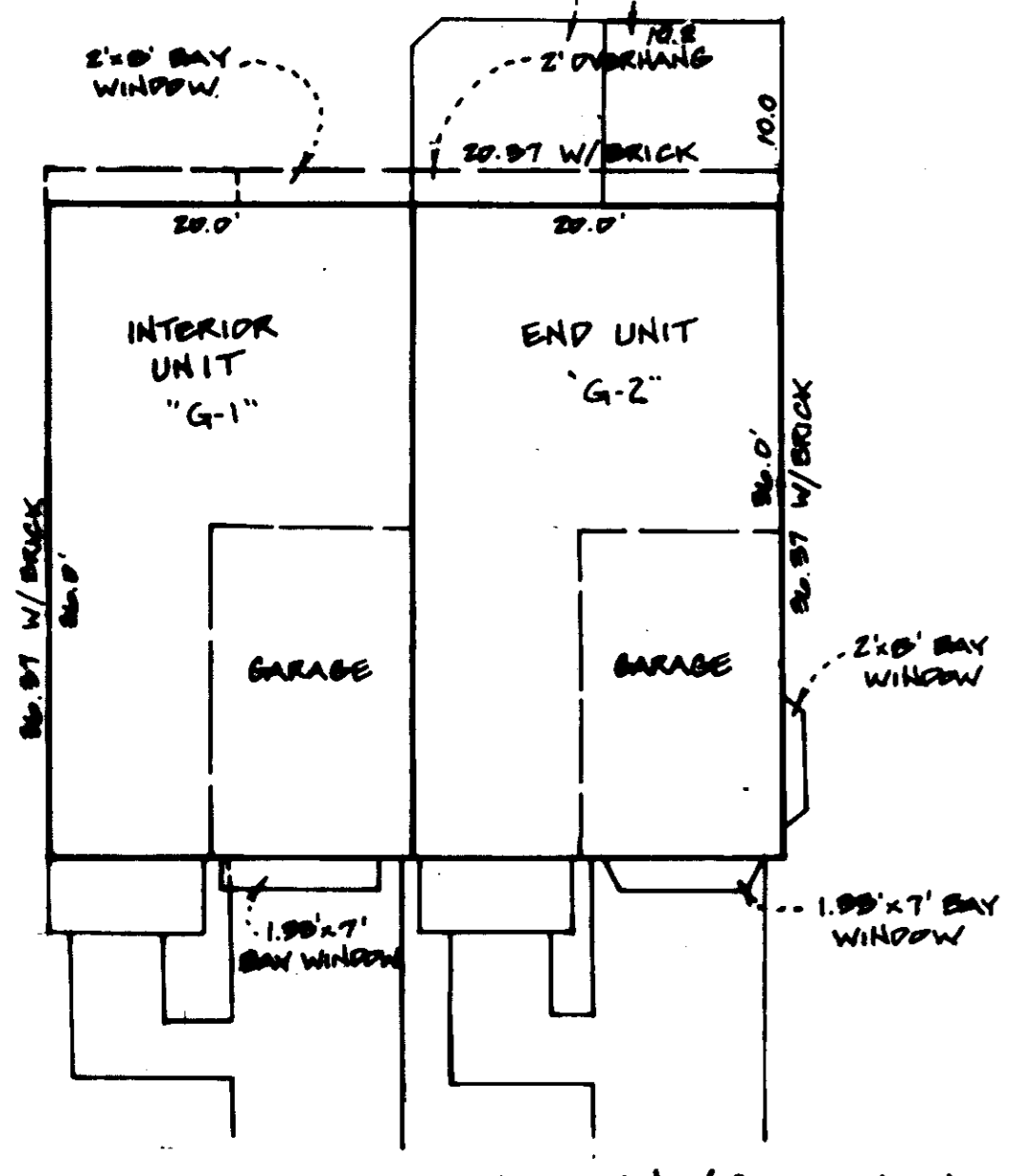
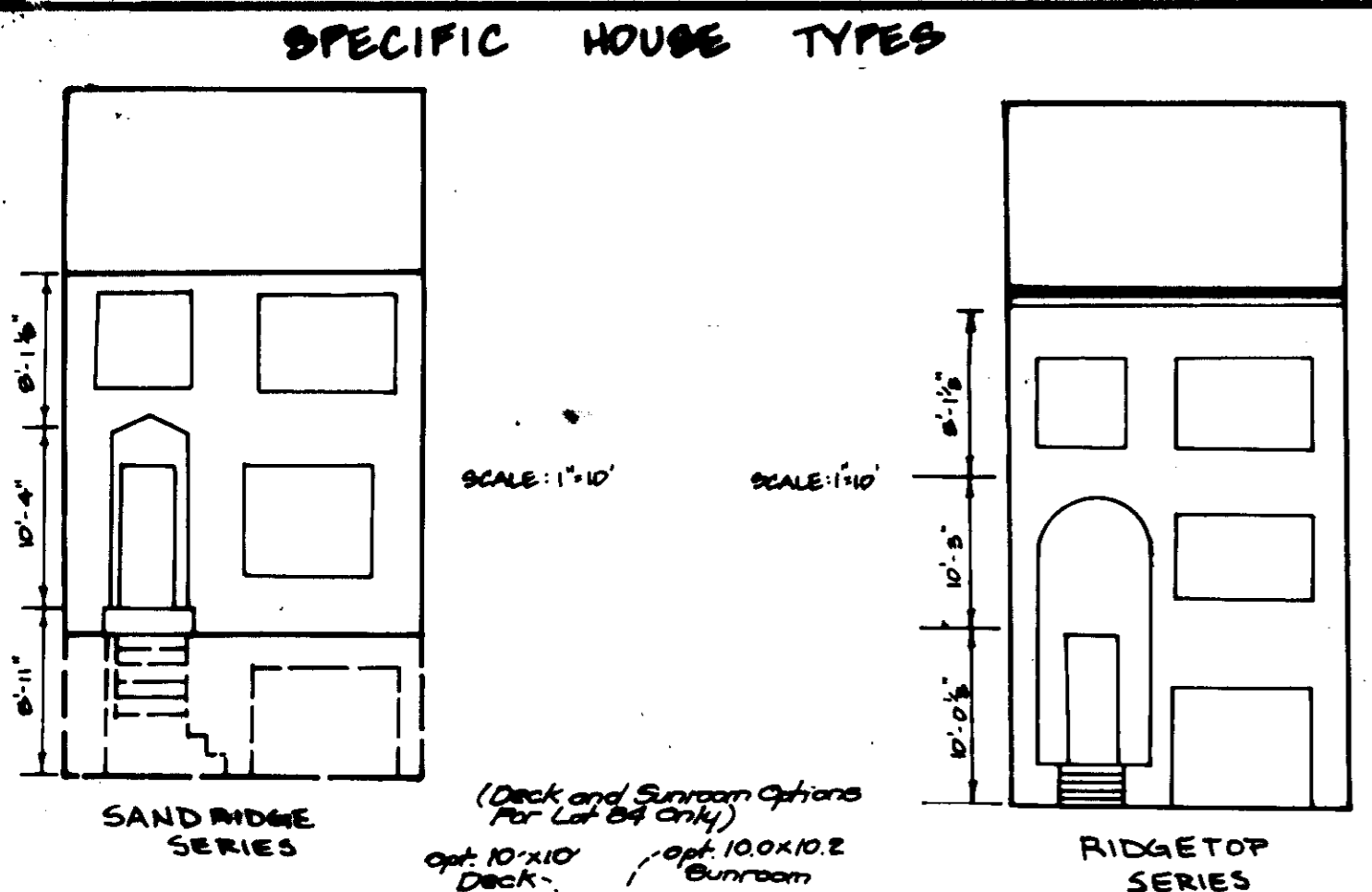
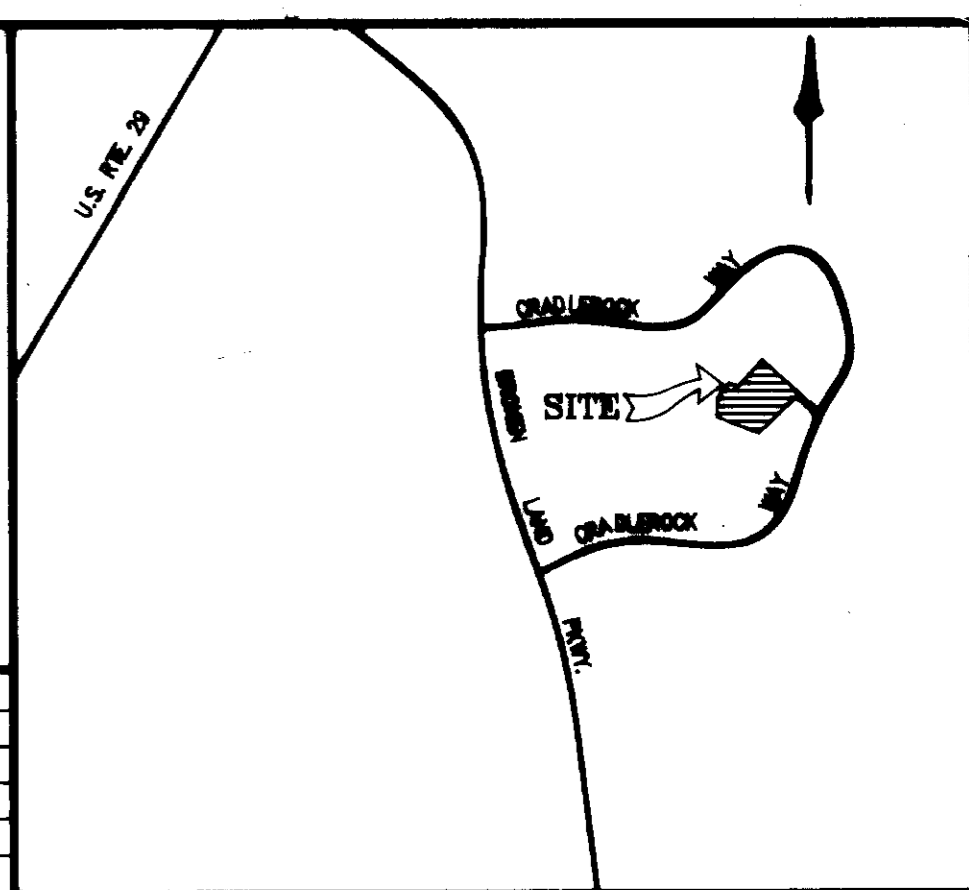


# SITE DEVELOPMENT PLAN

# CRADLEROCK FARM

Sixth Election District  
Howard County, Maryland



STREET ADDRESS CHART

LOT #	STREET ADDRESS	LOT #	STREET ADDRESS
1	7001 CRADLEROCK FARM CT.	31	7021 CRADLEROCK FARM CT.
2	7002 CRADLEROCK FARM CT.	32	7022 CRADLEROCK FARM CT.
3	7003 CRADLEROCK FARM CT.	33	7023 CRADLEROCK FARM CT.
4	7004 CRADLEROCK FARM CT.	34	7024 CRADLEROCK FARM CT.
5	7005 CRADLEROCK FARM CT.	35	7025 CRADLEROCK FARM CT.
6	7006 CRADLEROCK FARM CT.	36	7026 CRADLEROCK FARM CT.
7	7007 CRADLEROCK FARM CT.	37	7027 CRADLEROCK FARM CT.
8	7008 CRADLEROCK FARM CT.	38	7028 CRADLEROCK FARM CT.
9	7009 CRADLEROCK FARM CT.	39	7029 CRADLEROCK FARM CT.
10	7010 CRADLEROCK FARM CT.	40	7030 CRADLEROCK FARM CT.
11	7011 CRADLEROCK FARM CT.	41	7031 CRADLEROCK FARM CT.
12	7012 CRADLEROCK FARM CT.	42	7032 CRADLEROCK FARM CT.
13	7013 CRADLEROCK FARM CT.	43	7033 CRADLEROCK FARM CT.
14	7014 CRADLEROCK FARM CT.	44	7034 CRADLEROCK FARM CT.
15	7015 CRADLEROCK FARM CT.	45	7035 CRADLEROCK FARM CT.
16	7016 CRADLEROCK FARM CT.	46	7036 CRADLEROCK FARM CT.
17	7017 CRADLEROCK FARM CT.	47	7037 CRADLEROCK FARM CT.
18	7018 CRADLEROCK FARM CT.	48	7038 CRADLEROCK FARM CT.
19	7019 CRADLEROCK FARM CT.	49	7039 CRADLEROCK FARM CT.
20	7020 CRADLEROCK FARM CT.	50	7040 CRADLEROCK FARM CT.
21	7021 CRADLEROCK FARM CT.	51	7041 CRADLEROCK FARM CT.
22	7022 CRADLEROCK FARM CT.	52	7042 CRADLEROCK FARM CT.
23	7023 CRADLEROCK FARM CT.	53	7043 CRADLEROCK FARM CT.
24	7024 CRADLEROCK FARM CT.	54	7044 CRADLEROCK FARM CT.
25	7025 CRADLEROCK FARM CT.	55	7045 CRADLEROCK FARM CT.
26	7026 CRADLEROCK FARM CT.	56	7046 CRADLEROCK FARM CT.
27	7027 CRADLEROCK FARM CT.	57	7047 CRADLEROCK FARM CT.
28	7028 CRADLEROCK FARM CT.	58	7048 CRADLEROCK FARM CT.
29	7029 CRADLEROCK FARM CT.	59	7049 CRADLEROCK FARM CT.
30	7030 CRADLEROCK FARM CT.	60	7050 CRADLEROCK FARM CT.
31	7031 CRADLEROCK FARM CT.	61	7051 CRADLEROCK FARM CT.
32	7032 CRADLEROCK FARM CT.	62	7052 CRADLEROCK FARM CT.
33	7033 CRADLEROCK FARM CT.	63	7053 CRADLEROCK FARM CT.
34	7034 CRADLEROCK FARM CT.	64	7054 CRADLEROCK FARM CT.
35	7035 CRADLEROCK FARM CT.	65	7055 CRADLEROCK FARM CT.
36	7036 CRADLEROCK FARM CT.	66	7056 CRADLEROCK FARM CT.
37	7037 CRADLEROCK FARM CT.	67	7057 CRADLEROCK FARM CT.
38	7038 CRADLEROCK FARM CT.	68	7058 CRADLEROCK FARM CT.
39	7039 CRADLEROCK FARM CT.	69	7059 CRADLEROCK FARM CT.
40	7040 CRADLEROCK FARM CT.	70	7060 CRADLEROCK FARM CT.

SITE ANALYSIS

1. EXISTING ZONING:	RSA-8
2. PROPOSED USE OF STRUCTURES:	TOWNHOUSES
3. GROSS AREA OF PROJECT:	8.70 AC.
4. AREA OF BUILDABLE LOTS:	2.44 AC.
5. NUMBER OF UNITS PERMITTED:	69 UNITS
6. NUMBER OF UNITS PROPOSED:	69 UNITS
7. COVERAGE ANALYSIS:	
SITE (8.70 AC.):	370,893 SF.
BUILDING COVERAGE:	48,300 SF.
DRIVEWAYS & PARKING:	91,118 SF.
OPEN SPACE (80% MIN.):	110,472.5 SF.
AREA OF RECREATIONAL OPEN SPACE REQUIRED:	10.32 ACRES
8. PARKING REQUIREMENTS:	
TOTAL NUMBER OF UNITS:	69
PARKING REQUIRED (2.3/UNIT):	158
PARKING PROVIDED:	158
DRIVEWAY SPACES:	69
GARAGE SPACES:	69
COURT PARKING SPACES:	0

- GENERAL NOTES
- STORMWATER MANAGEMENT FOR THIS PROJECT IS PROVIDED BY LAKE ELKHORN WATER QUALITY IS PROVIDED BY A RETENTION FACILITY.
  - PUBLIC WATER AND SEWER WILL BE USED WITHIN THIS SUBDIVISION.
  - THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY CONSTRUCTION INSPECTION SURVEY DIVISION 24 HOURS PRIOR TO COMMENCEMENT OF WORK AT (410) 517-1000.
  - EXISTING UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD AND OFFICE INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES TO HIS OWN SATISFACTION BEFORE MAKING ANY CONNECTION THEREOF OR EXCAVATING IN THE AREA THEREOF.
  - THE CONTRACTOR SHALL NOTIFY MISS UTILITY, 1-800-257-7777, A MINIMUM OF THREE (3) DAYS PRIOR TO BEGINNING ANY CONSTRUCTION WORK HEREON.
  - ALL PAYING AND STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
  - THIS PLAN IS SUBJECT TO P-94-42, F-95-04, W-95-07, AND F-95-95, P-95-157.
  - GARAGES SHALL BE USED FOR PERMITTED ONLY USE SECTION 12.7. B. 2. (b)(18).
  - TYPICAL STORM PHOTOGRAPHY AND ECONOMIC ANALYSIS AS SHOWN ON THIS PLAN.
  - RESIDENT RESPONSIBILITY IS LOCATED ON THE MAP AS SHOWN, SEE SHEET 12.7. B. 1. (b)(17).
  - CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND RECORD THEM AT THE END OF EACH DAY OF WORK AT THE END OF THE COLLECTION.
  - FINANCIAL SECURITY FOR LANDSCAPING WAS POSTED IN ITS ENTIRETY AT FINAL PLAN STAGE.
  - LOT COVERAGE: MAXIMUM LOT COVERAGE OF MAXIMUM UNIT SIZE IS 30.2% MINIMUM COVERAGE IS 18% ALLOWABLE COVERAGE IS 20%.
  - LANDSCAPING PLAN PER P-95-95.

SEWER CONNECTION TABLE

LOT	FRONTAGE	SHC @ PL.	MCR.	LOT	FRONTAGE	SHC @ PL.	MCR.
78	20.62	350.7	354.6	36	20.00	348.4	352.3
2	20.04	350.5	354.4	37	20.58	348.6	352.5
3	20.04	350.4	354.3	38	20.58	349.8	353.7
4	20.03	350.2	354.1	39	20.00	349.7	353.6
5	20.59	350.2	354.1	40	20.58	349.9	353.8
6	20.58	349.9	353.8	41	20.58	351.7	354.6
7	20.00	349.9	353.8	42	20.00	352.5	356.4
8	20.00	349.7	353.6	43	20.00	352.8	356.7
9	20.58	349.4	353.5	44	20.58	353.6	357.5
10	20.58	349.4	353.5	45	20.58	354.2	358.1
11	20.07	349.3	353.4	46	20.00	355.0	358.9
12	20.40	349.24	353.38	47	20.00	355.3	359.2
13	15.39	349.1	353.3	48	20.00	355.9	359.8
14	15.16	349.0	353.2	49	20.00	356.0	359.9
15	20.51	348.9	353.1	50	20.00	356.2	360.1
16	20.12	348.8	353.0	51	20.58	356.2	360.1
17	20.01	348.7	352.9	52	20.58	356.7	360.6
18	20.17	348.6	352.8	53	20.00	356.9	360.8
19	20.00	348.5	352.7	54	20.00	357.0	361.0
20	20.59	348.4	352.6	55	20.00	357.2	361.2
21	20.00	348.3	352.5	56	20.00	357.3	361.3
22	20.00	348.2	352.4	57	20.58	357.4	361.4
23	20.00	348.1	352.3	58	20.58	357.4	361.4
24	20.00	348.0	352.2	59	20.58	357.4	361.4
25	20.00	347.9	352.1	60	20.58	357.4	361.4
26	20.00	347.8	352.0	61	20.58	357.4	361.4
27	20.00	347.7	351.9	62	20.58	357.4	361.4
28	20.00	347.6	351.8	63	20.58	357.4	361.4
29	20.00	347.5	351.7	64	20.58	357.4	361.4
30	20.00	347.4	351.6	65	20.58	357.4	361.4
31	20.00	347.3	351.5	66	20.58	357.4	361.4
32	20.00	347.2	351.4	67	20.58	357.4	361.4
33	20.00	347.1	351.3	68	20.58	357.4	361.4
34	20.00	347.0	351.2	69	20.58	357.4	361.4
35	20.00	346.9	351.1	70	20.58	357.4	361.4

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]*  
Chief, Development Engineering Division  
Date: 1/20/96

*[Signature]*  
Chief, Division and Land Development and Research  
Date: 2/20/96

*[Signature]*  
Director  
Date: 2/20/96

3	3-10-97	Add Bldg. typical, Rev. Lot Numbers	CPS
2	2-14-97	Add Gateway typical	CPS
1	3/1/96	Add options to typical unit (Goodman)	CPS

NO. DATE DESCRIPTION

BY

SUBDIVISION NAME: CRADLEROCK FARM

SECT./AREA: 1/1

LOT/PARCEL: 1-86

PL. OR L/F: 1/1

BLOCK: 36

ZONE: RSA-8

TAX/ZONE MAP: 36

ELEC. DIST.: #6

CONV. TR.: 6067.02

WATER CODE: E11

SEWER CODE: 5330900

CRADLEROCK FARM  
TOWNHOUSES  
LOTS 1-86

A SUBDIVISION OF PARCEL 46 AND LOT 277  
SIXTH ELECTION DISTRICT

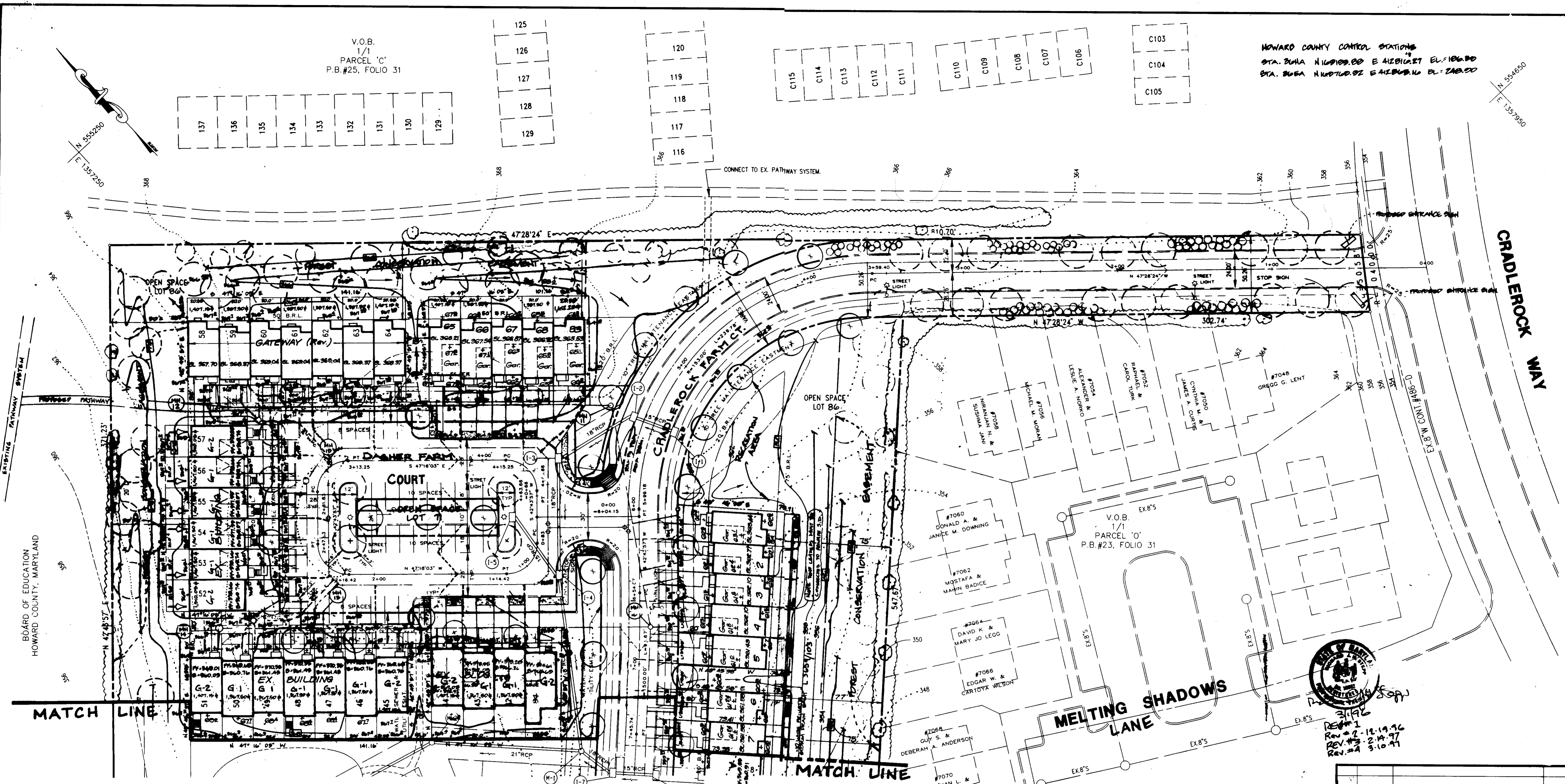
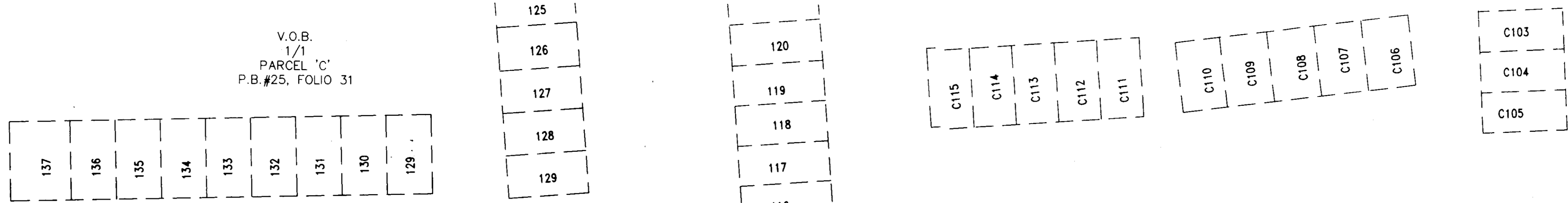
PLAN # 12045-44

S-94-42 P-95-04 WP-95-07 F-95-95 F-96-96

OWNER: DASHER GREEN ASSOCIATES LTD. 839 ELKBRIDGE LANDING ROAD LINTHICUM, MARYLAND 21090	DEVELOPER: DASHER GREEN ASSOCIATES LTD. 839 ELKBRIDGE LANDING ROAD LINTHICUM, MARYLAND 21090	PREPARED BY: AMERICAN ENGINEERING, INC. CIVIL ENGINEERING CONSULTANTS AND LAND PLANNER	DES.: R.T.T.Jr. JOB #: 92105 CHK.: W.D.F. FILE: GIFTSDFC DATE: 1-20-96 SCALE: AS SHOWN SHEET 1 OF 6
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V.O.B.  
1/1  
PARCEL 'C'  
P.B.#25, FOLIO 31

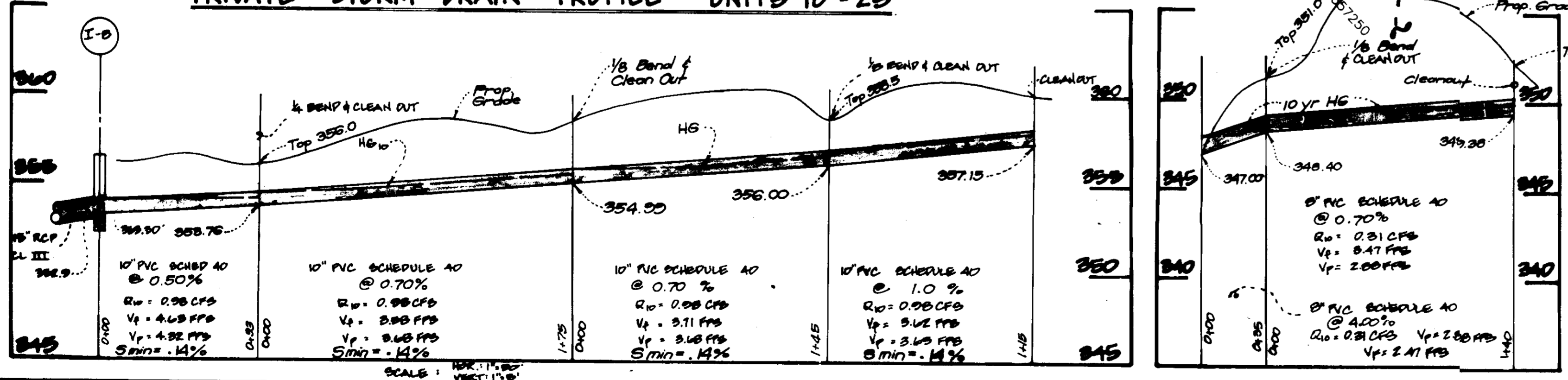
HOWARD COUNTY CONTROL STATIONS  
STA. 30+00 N 110°09.00' E 412.00 FT EL. 1106.00  
STA. 30+00 N 110°09.00' E 412.00 FT EL. 1106.00



FOR CONTINUATION SEE SHT. 3 OF 6

PRIVATE STORM DRAIN PROFILE - UNITS 10-25

PRIVATE STORM DRAIN PROFILE: UNITS 26-30



PLAN  
SCALE: 1" = 30'

APPROVED DEPARTMENT OF PLANNING AND ZONING  
CHIEF DEVELOPMENT ENGINEER DIVISION  
CHIEF DIVISION AND LAND DEVELOPMENT AND RESEARCH  
DIRECTOR

3/1/96  
Rev # 2 - 11-14-96  
Rev # 3 - 2-14-97  
Rev # 4 - 3-10-97

NO.	DATE	DESCRIPTION	BY
4	3-10-97	Rev Unit 10-25	
3	2-14-97	Rev Unit 10-25	
2	12-19-96	Rev units 45-51 as per As-Built Conditions	
1	3-1-96	Add Opt. S.R. for Lot 86	

SUBDIVISION NAME: CRADLEROCK FARM  
SECT./AREA: 1/1  
LOT/PARCEL#: 1-86  
PLAT# OR L/F: 463/158  
BLOCK# ZONE: RSA-8  
TAX/ZONE MAP: 36  
ELEC. DIST.: #6  
CENSUS TR.: 6067.0L  
WATER CODE: E-11  
SEWER CODE: 5330900

CRADLEROCK FARM

LOTS 1-86  
A SUBDIVISION OF PARCEL 46 AND LOT 277  
SIXTH ELECTION DISTRICT  
S-94-42 P-95-04 WP-95-07  
PLAT# 12043-44  
F-95-95, F-96-96

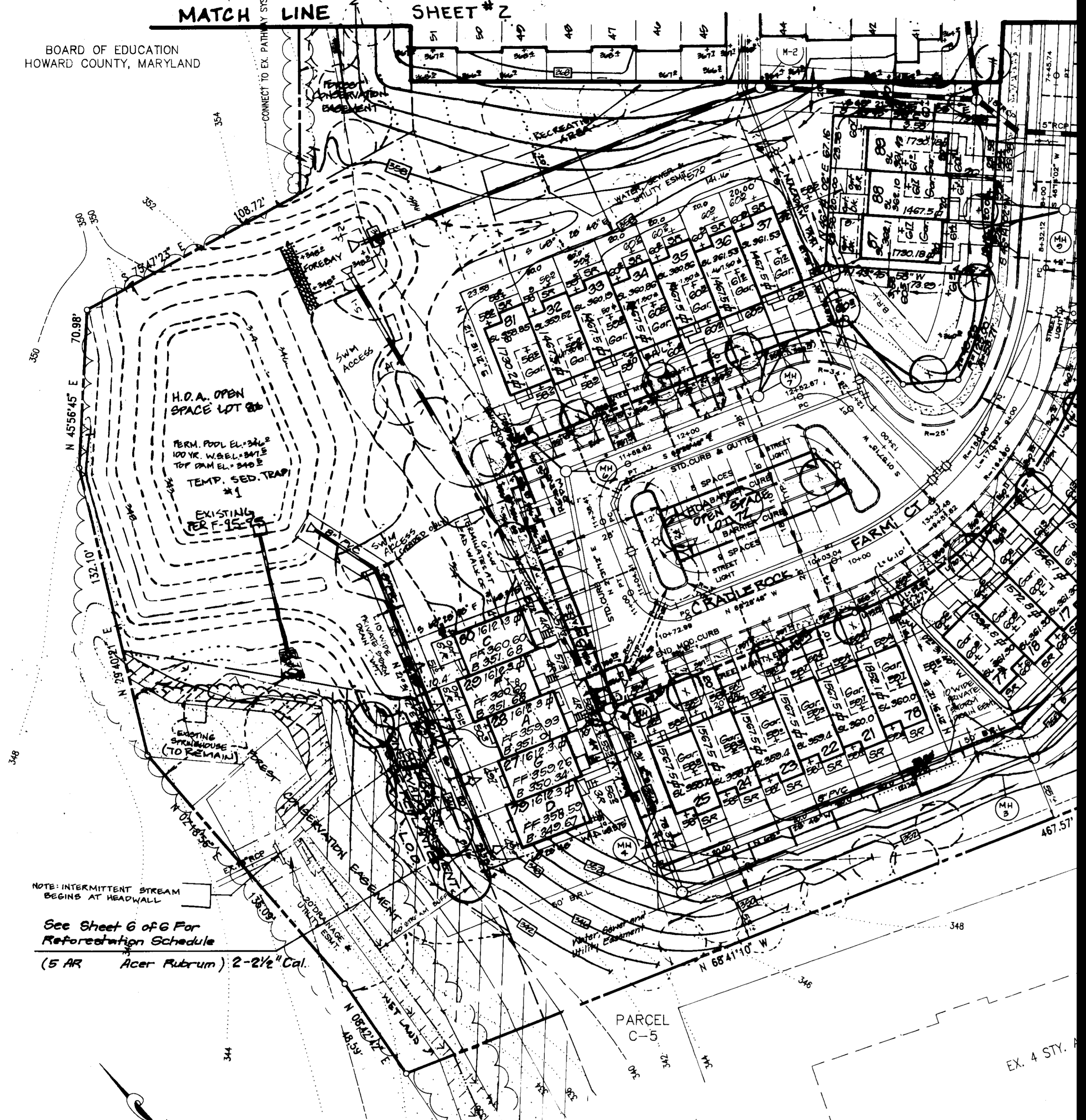
OWNER: DASHER GREEN ASSOCIATES LTD. 839 ELKRIDGE LANDING ROAD LITHICUM, MARYLAND 21090	DEVELOPER: DASHER GREEN ASSOCIATES LTD. 839 ELKRIDGE LANDING ROAD LITHICUM, MARYLAND 21090	PREPARED BY: AMERICAN ENGINEERING, INC. CIVIL ENGINEERING CONSULTANTS AND LAND PLANNER	DES.: R.T.T.Jr. JOB: 92105
		DATE: 2/20/96	FILE: GIFTSDPC
		DATE: 9-18-92	SCALE: AS SHOWN SHEET 2 OF 6

CDP45-65

BOARD OF EDUCATION  
HOWARD COUNTY, MARYLAND

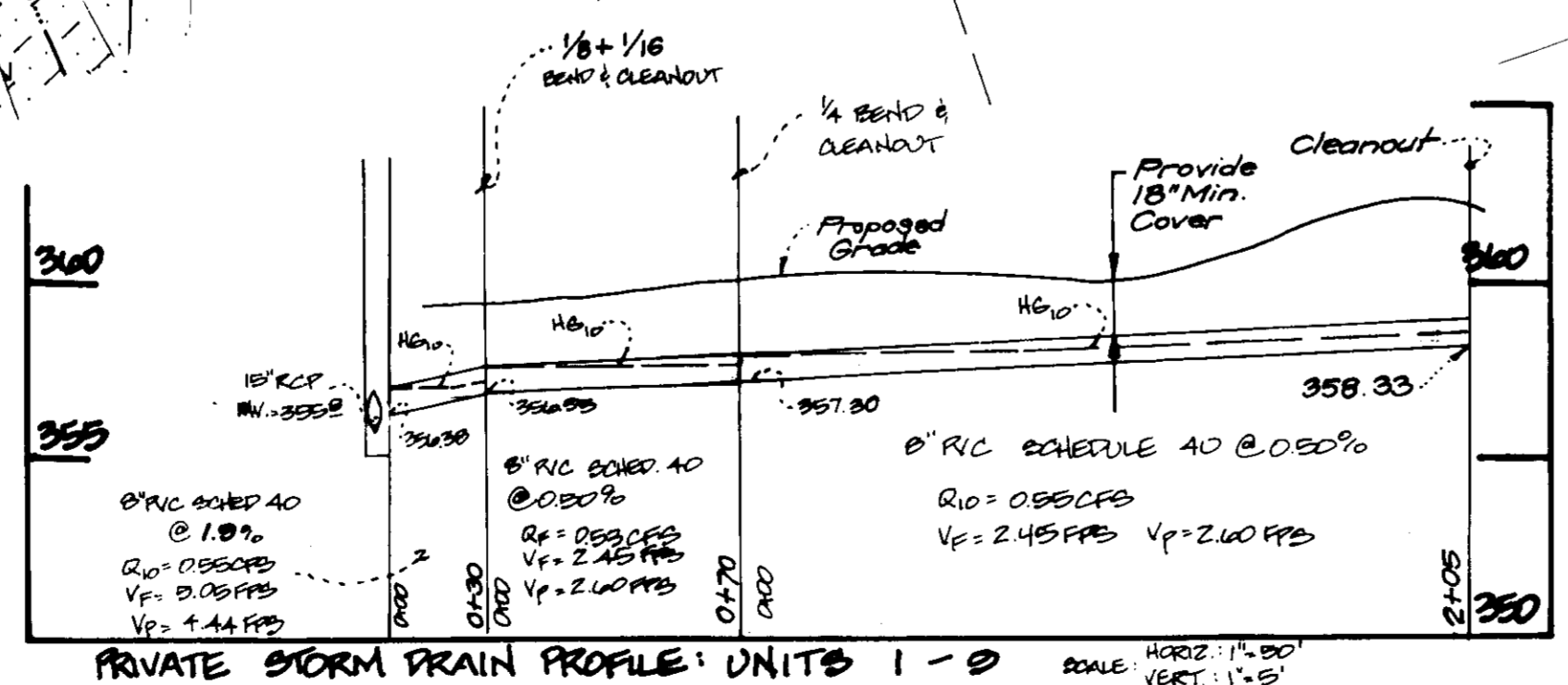
MATCH LINE

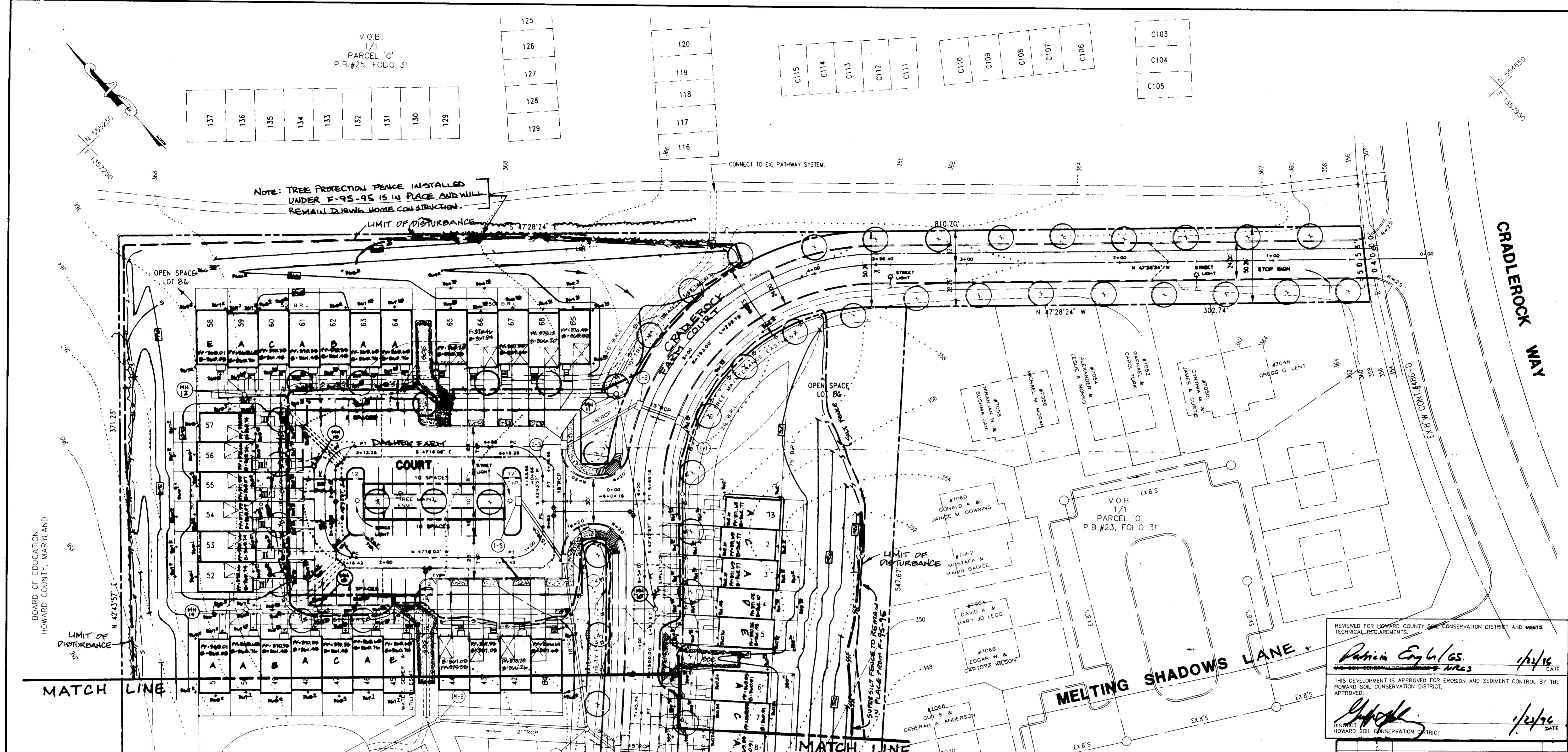
SHEET # 2



NOTE: INTERMITTENT STREAM  
BEGINS AT HEADWALL

See Sheet 6 of 6 For  
Reforestation Schedule  
(5 AR *Acer Rubrum*) 2-2 1/2" Cal.





FOR CONTINUATION SEE SHT. 5 OF 6

**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]* 1/16/96  
 SIGNATURE OF ENGINEER DATE

**DEVELOPER'S CERTIFICATE**  
 I HEREBY 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 COURSE OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO CERTIFY THAT I HAVE BEEN ADVISED BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.  
*[Signature]* 1/16/96  
 SIGNATURE OF DEVELOPER DATE

**THIS PLAN IS TO BE USED FOR SEDIMENT CONTROL ONLY**

PLAN  
 SCALE: 1" = 30'



APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 1/20/96  
 Chief, Development Engineering Division Date  
*[Signature]* 2/20/96  
 Chief, Division and Land Development and Research Date  
*[Signature]* 2/21/96  
 Director Date

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*[Signature]* 1/21/96  
 DATE  
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*[Signature]* 1/21/96  
 DATE  
 DISTRICT HOWARD SOIL CONSERVATION DISTRICT

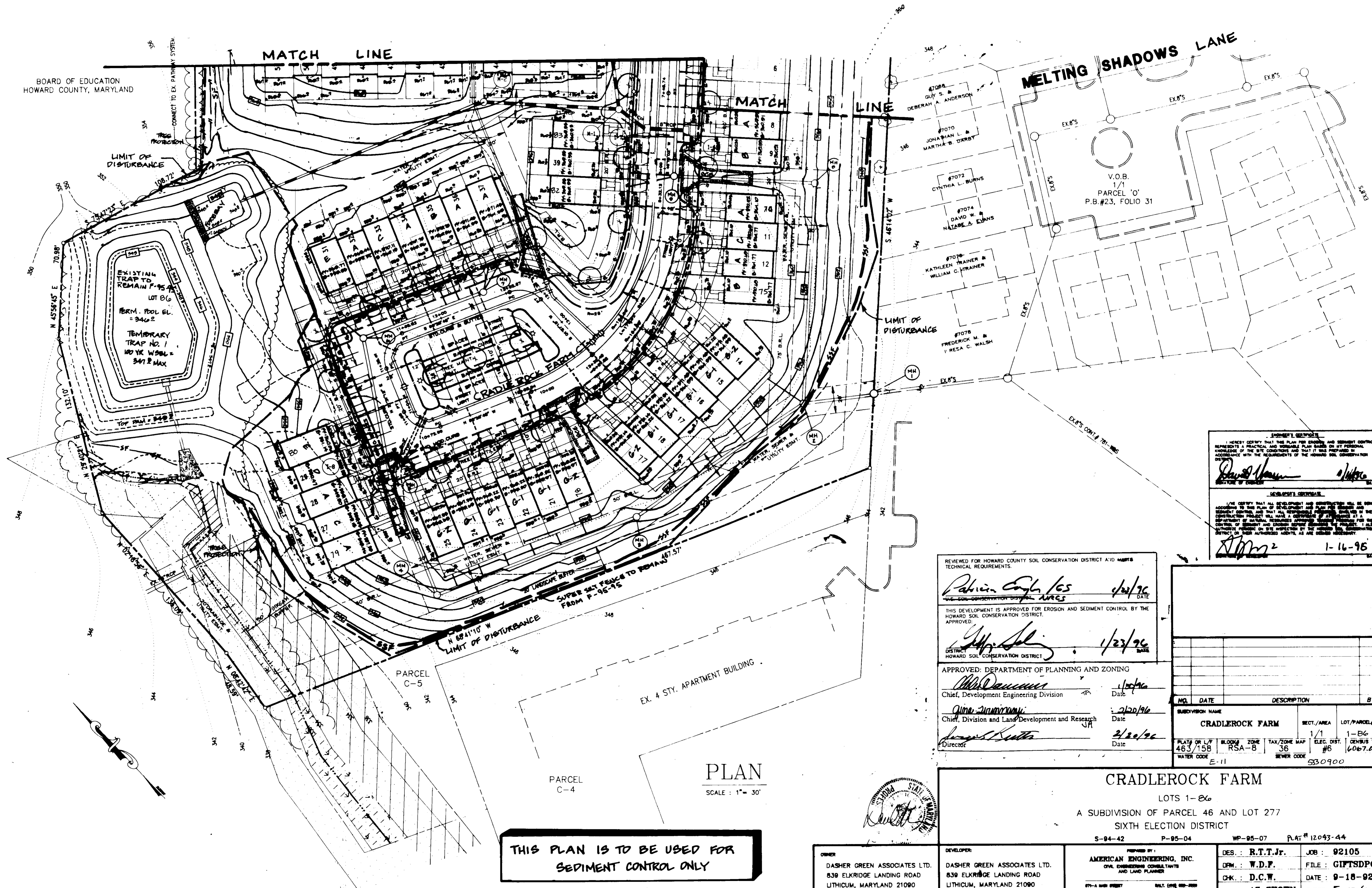
NO.	DATE	DESCRIPTION	BY
SUBDIVISION NAME			
CRADLEROCK FARM		SECT./AREA	LOT/PARCEL #
		1/1	1-B6a
PLAT OR L/F	BLOCK	ZONE	TAX/ZONE MAP
463/158	RSA-8	36	#6
WATER CODE		SEWER CODE	
E 11		5330 900	

**CRADLEROCK FARM**  
 LOTS 1-86  
 A SUBDIVISION OF PARCEL 46 AND LOT 277  
 SIXTH ELECTION DISTRICT

OWNER DASHER GREEN ASSOCIATES LTD. 839 ELKRIDGE LANDING ROAD LITHICUM, MARYLAND 21090	DEVELOPER DASHER GREEN ASSOCIATES LTD. 839 ELKRIDGE LANDING ROAD LITHICUM, MARYLAND 21090	PREPARED BY AMERICAN ENGINEERING, INC. CIVIL ENGINEERING CONSULTANTS AND LAND PLANNER 871-A MAIN STREET LAUREL, MD 20707	DES.: R.T.T.Jr. JOB: 92105 DRAW.: W.D.F. FILE: GIFTSDDPC CHK.: D.C.W. DATE: 9-18-92 SCALE: AS SHOWN SHEET 4 OF 6
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SDP-95-65

BOARD OF EDUCATION  
HOWARD COUNTY, MARYLAND



EXISTING TRAP TO REMAIN F-95-9  
LOT 86  
BERM. POOL EL. = 346.2  
TEMPERARY TRAP NO. 1  
180 YR W/SBL = 347.2 MAX

**THIS PLAN IS TO BE USED FOR  
SEDIMENT CONTROL ONLY**

**PLAN**  
SCALE: 1" = 30'

**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.  
*David A. Hines*  
REGISTERED PROFESSIONAL ENGINEER  
1-16-96

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT A-10 MAPS TECHNICAL REQUIREMENTS.  
*Patricia Engle / es* 1/24/96  
DATE  
HOWARD SOIL CONSERVATION DISTRICT  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*John J. Selig* 1/23/96  
DATE  
HOWARD SOIL CONSERVATION DISTRICT  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*John J. Selig* 1/23/96  
DATE  
HOWARD SOIL CONSERVATION DISTRICT  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*John J. Selig* 1/23/96  
DATE  
HOWARD SOIL CONSERVATION DISTRICT

NO.	DATE	DESCRIPTION	BY
SUBDIVISION NAME <b>CRADLEROCK FARM</b>			
SECT./AREA	LOT/PARCEL#		
1-86	1-86		
PLAT OR L/P	BLOCK	TAX/ZONE MAP	ELEC. DIST.
463/158	158	36	#6
WATER CODE	SEWER CODE		
E-11	530900		

**CRADLEROCK FARM**  
LOTS 1-86  
A SUBDIVISION OF PARCEL 46 AND LOT 277  
SIXTH ELECTION DISTRICT  
S-94-42 P-95-04 WP-95-07 PLAT # 12043-44  
OWNER: DASHER GREEN ASSOCIATES LTD. 839 ELKRIE LANDING ROAD LITHICUM, MARYLAND 21090  
DEVELOPER: DASHER GREEN ASSOCIATES LTD. 839 ELKRIE LANDING ROAD LITHICUM, MARYLAND 21090  
PREPARED BY: AMERICAN ENGINEERING, INC. CIVIL ENGINEERING CONSULTANTS AND LAND PLANNER  
DES.: R.T.T.Jr. JOB: 92105  
DRW.: W.D.P. FILE: GIFTSDPC  
CHK.: D.C.W. DATE: 9-18-92  
SCALE: AS SHOWN SHEET 5 OF 6

**PERMANENT SEEDING NOTES**

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

**Seeded Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. *(If not recommended, loosen)*

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

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 800 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).
- 2) 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 80 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 sod. Option (3) Seed with 80 lbs/acre Kentucky 31 Tall Fescue and 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 redisturbed where a short-term vegetative cover is needed.

**Seeded Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. *(if not previously loosened)*

**Soil Amendments:** Apply 800 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 24 bushel per acre of annual ryegrass (3.3 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 sod.

**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.

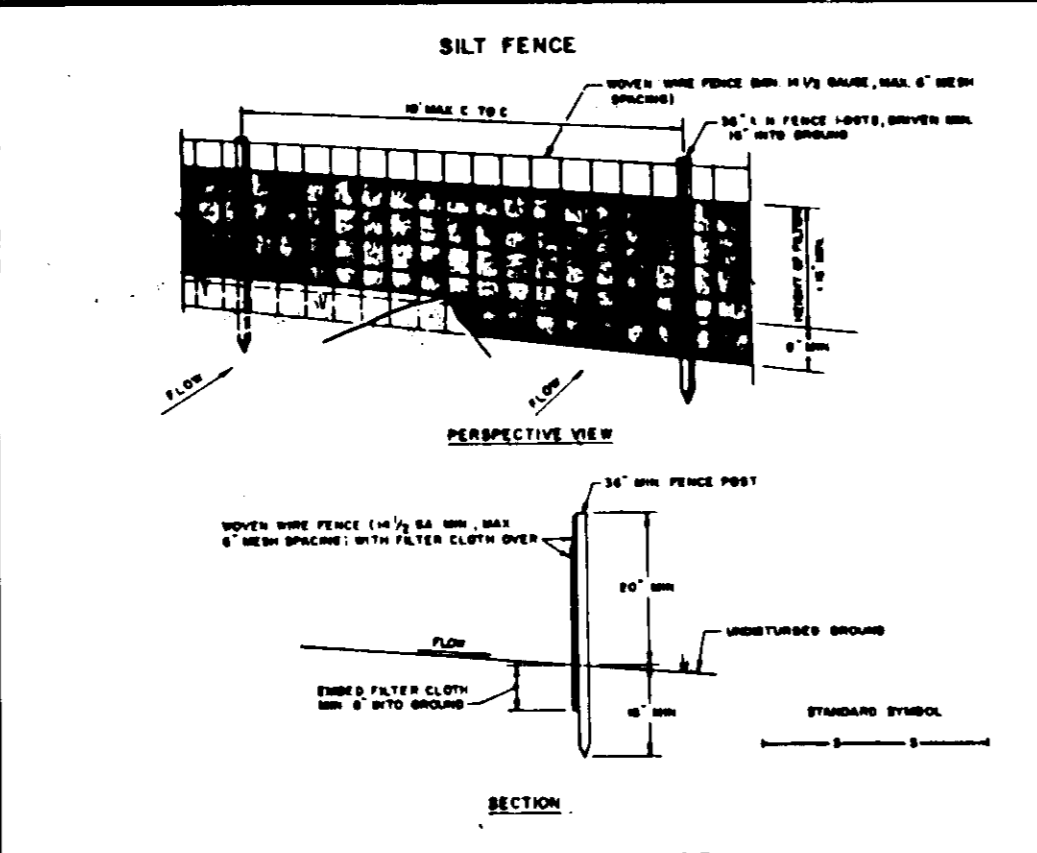
**SEDIMENT CONTROL NOTES**

- 1) 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)
- 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 redisturbance, 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.
- 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) 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.
- 6) 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.
- 7) Site Analysis:  
Total Area of Site: 8.7 Acres  
Area Disturbed: 7.0 Acres  
Area to be roofed or paved: 5.3 Acres  
Area to be vegetatively stabilized: 5.5 Acres  
Total Cut: 6400 Cu. yds.  
Total Fill: 6700 Cu. yds.  
Offsite waste/borrow area location: \_\_\_\_\_
- 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 DPW sediment control inspector.

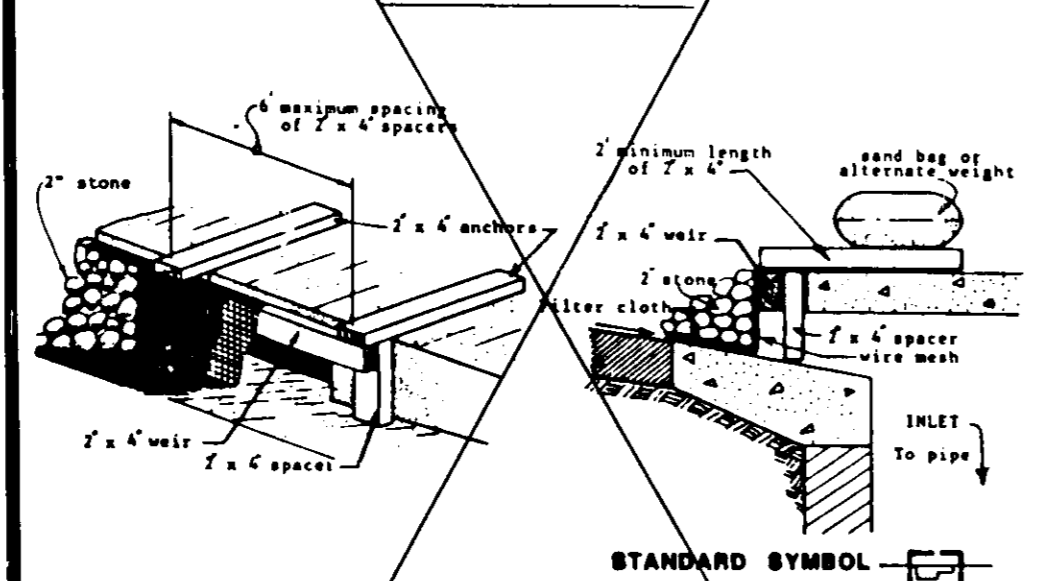
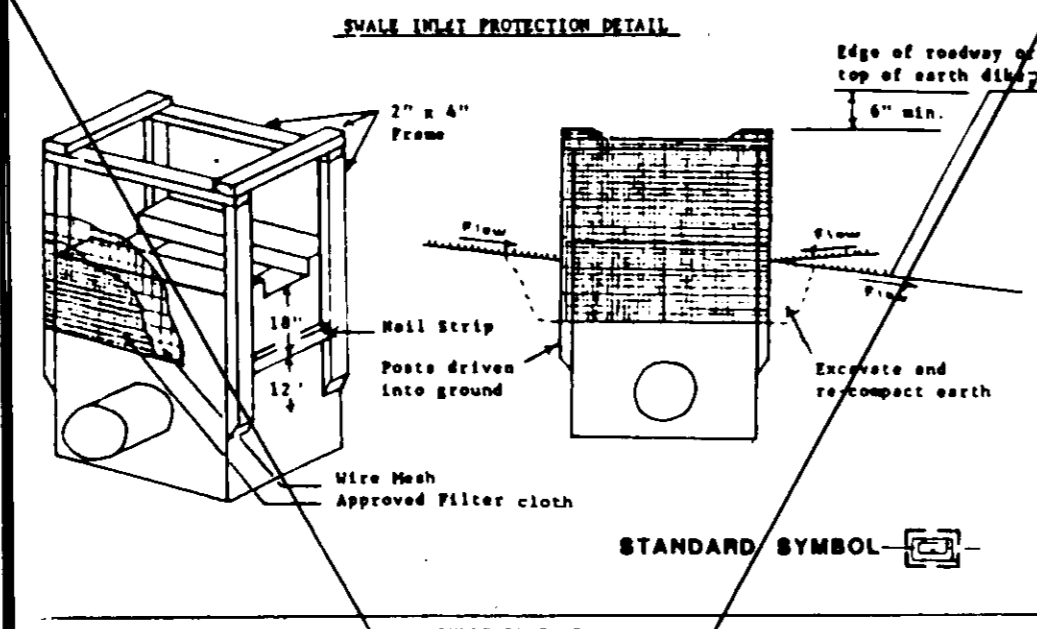
On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

NOTE: FOR SEQUENCE OF CONSTRUCTIONS, SEE SHEET 6 OF 6

NO.	BY	REVISION	DATE
1	CEFS	Add Plant Schedule	2-27-98



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	SILT FENCE	STANDARD DRAWING SP-1
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**Construction Specifications**

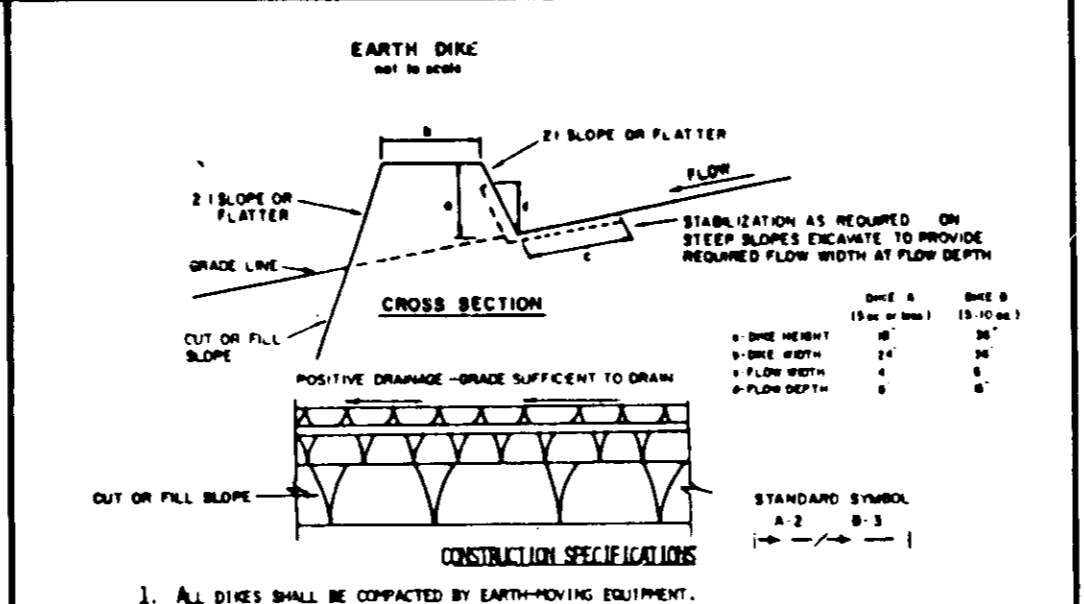
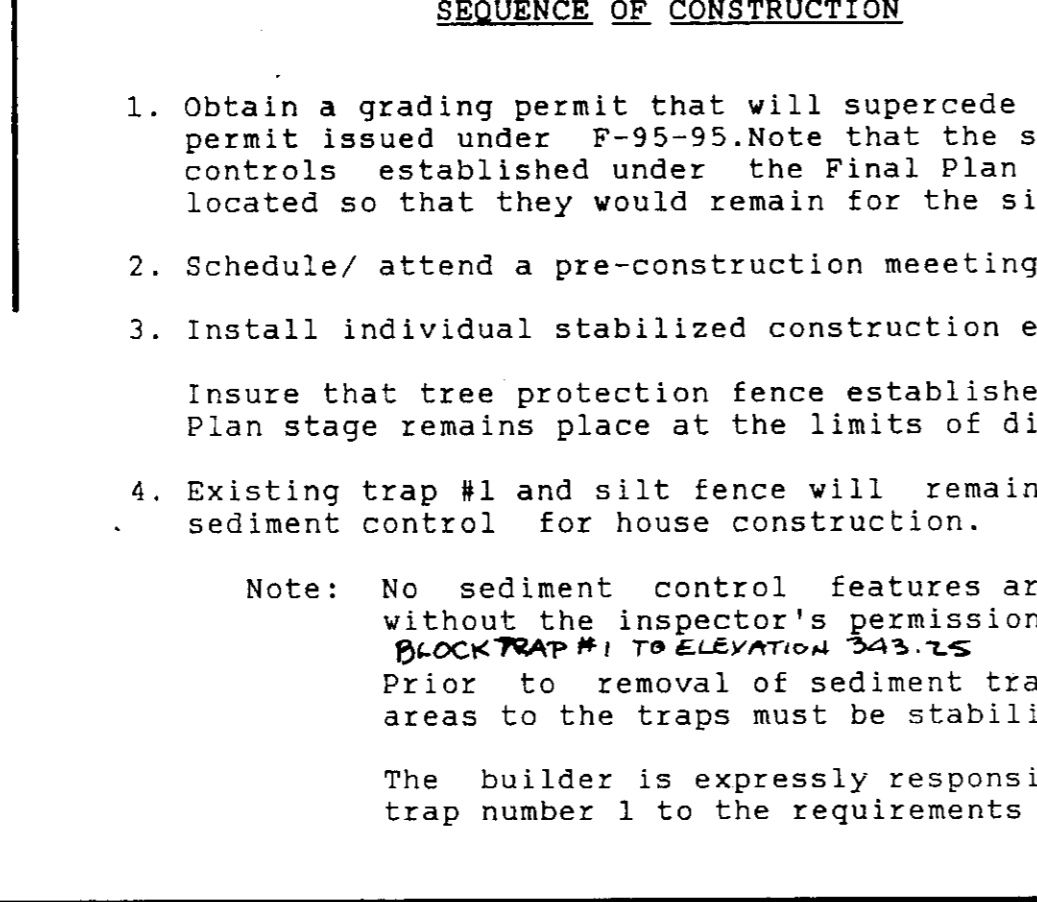
**Materials**

- A. Wood frame is to be constructed of 2"x4" construction grade lumber.
- B. Plywood is to be a minimum thickness of 1/4" construction grade lumber.

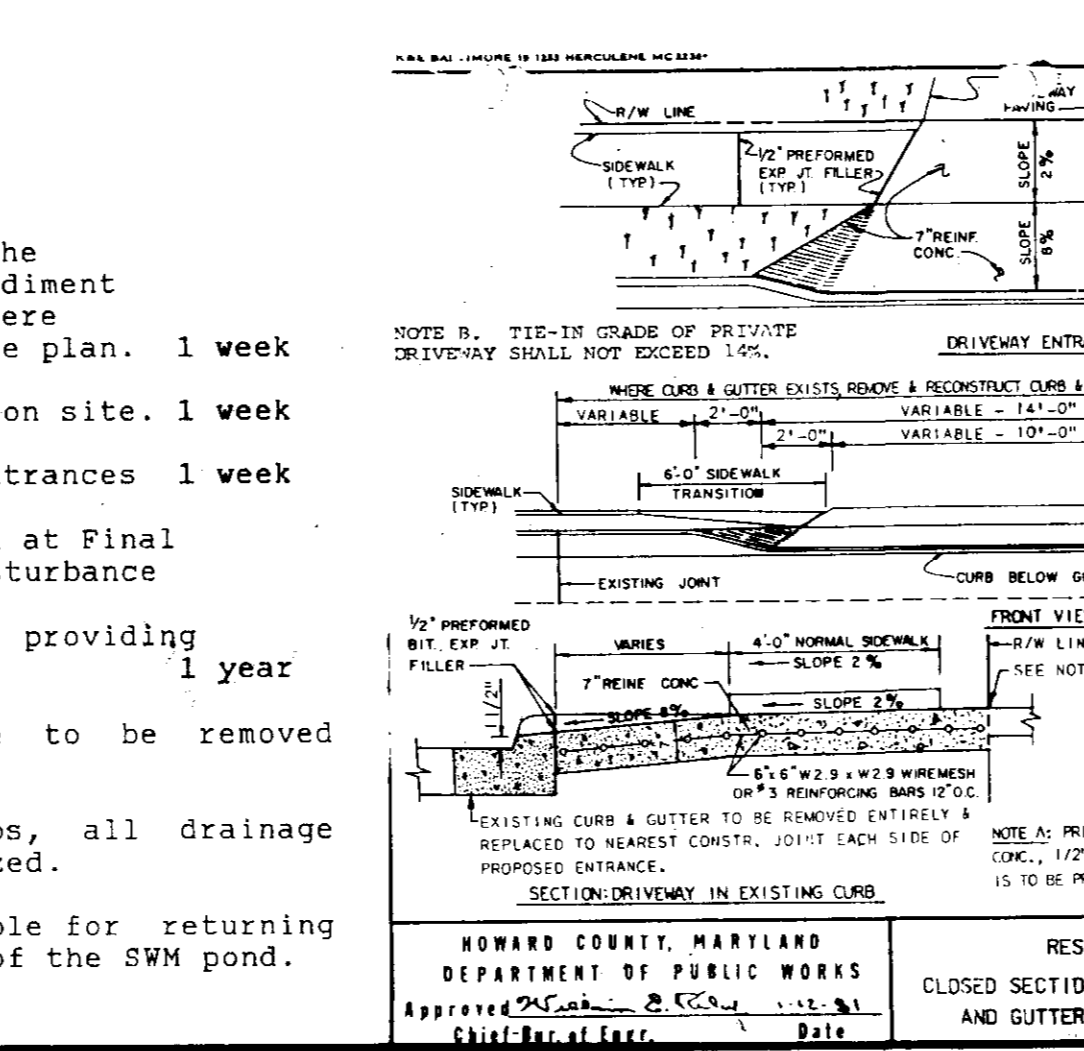
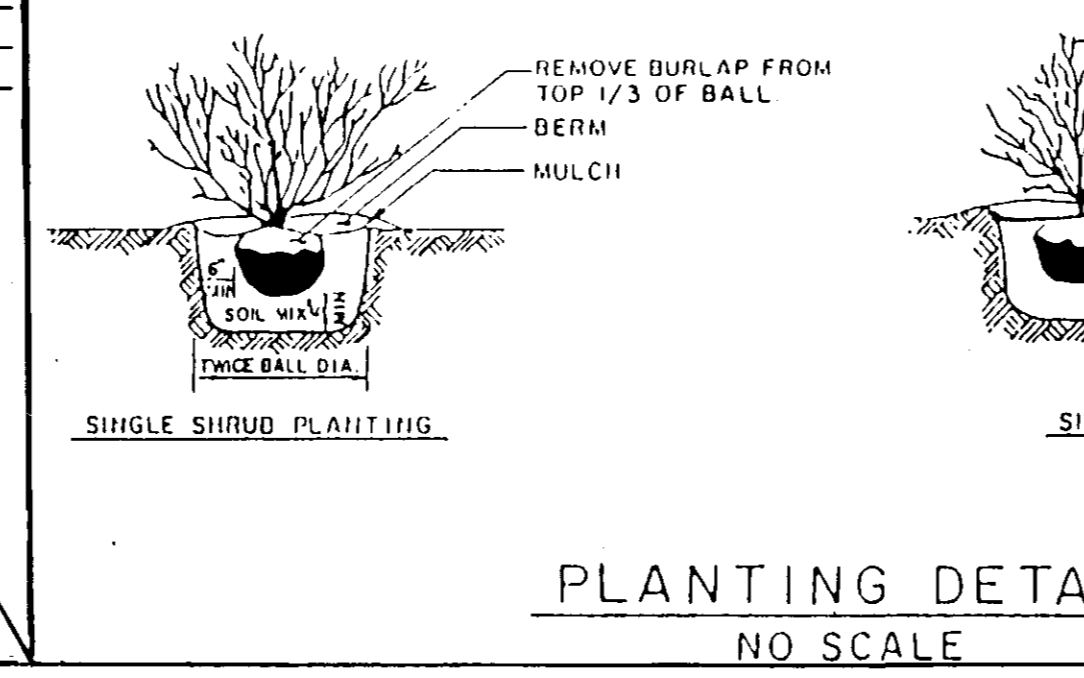
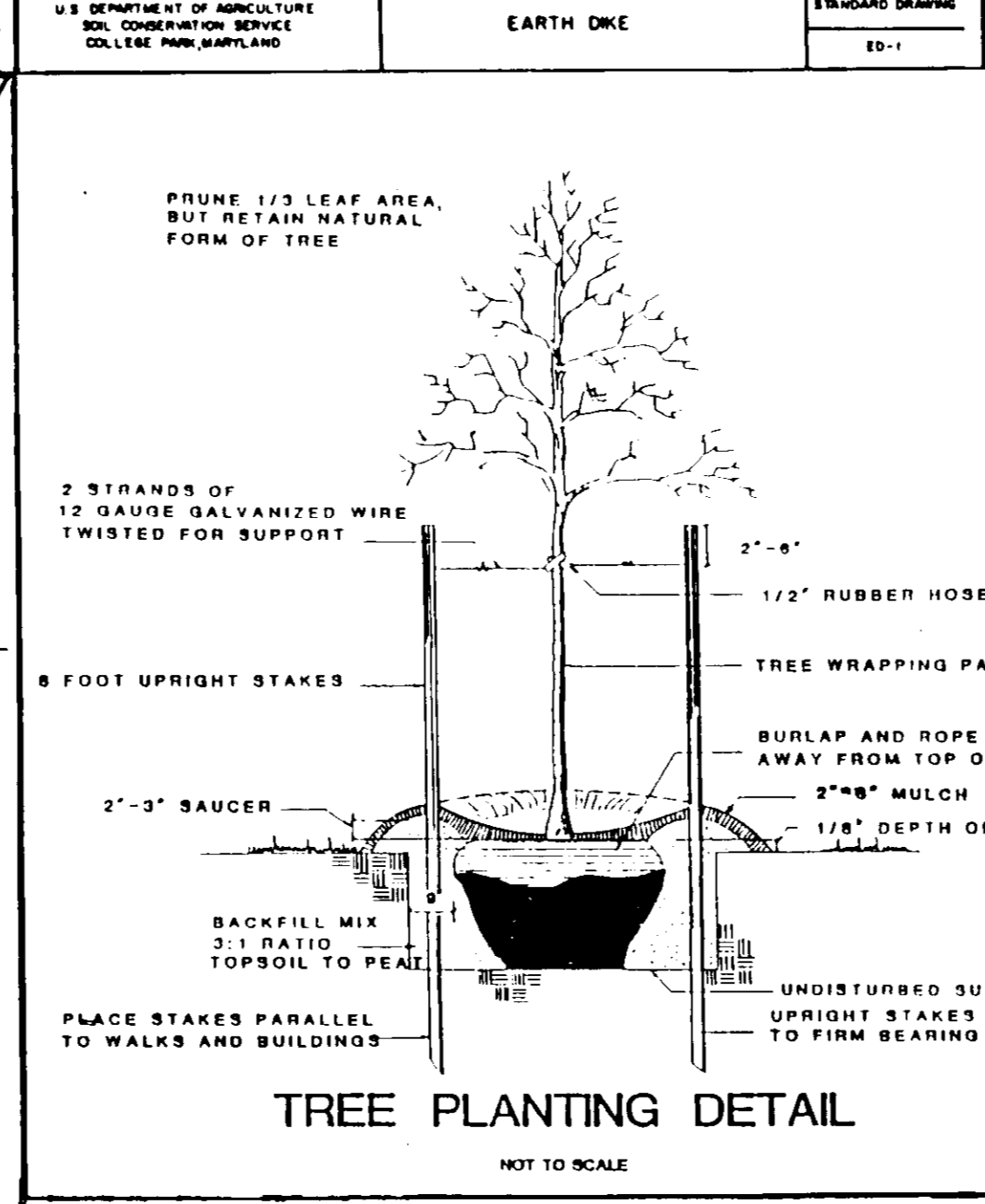
**Installation**

1. Cut plywood to extend a minimum of 6" past throat along curb.
2. Attach to anchors in a secure manner which will insure a water tight fit against throat.
3. Brace securely using sandbag or alternate weight. If not watertight, use approved filter cloth under plywood and attach securely.

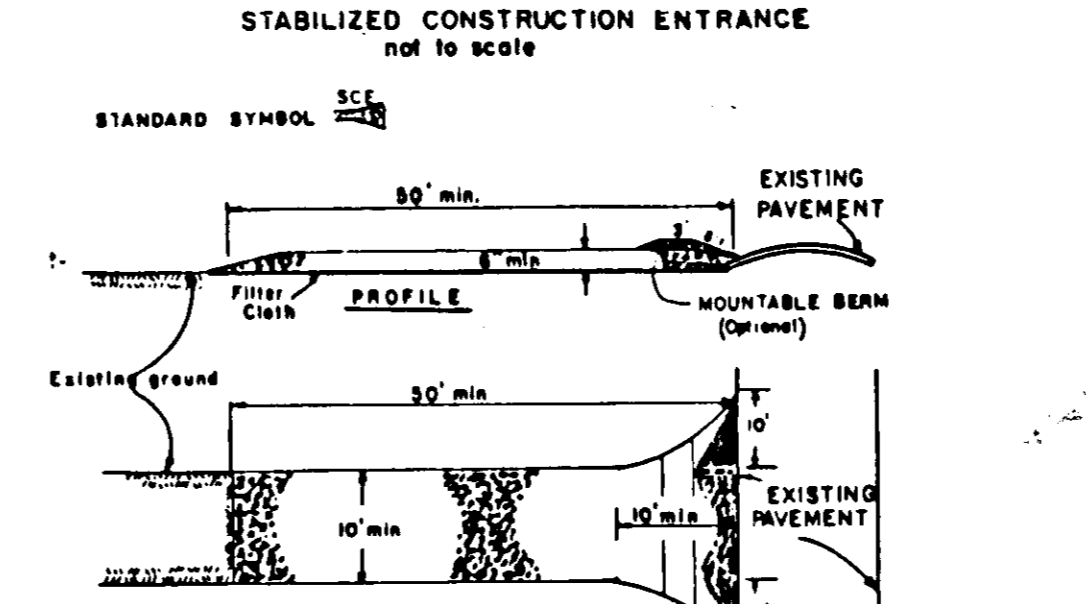
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	INLET PROTECTION DETAIL	STANDARD DRAWING IPD-1
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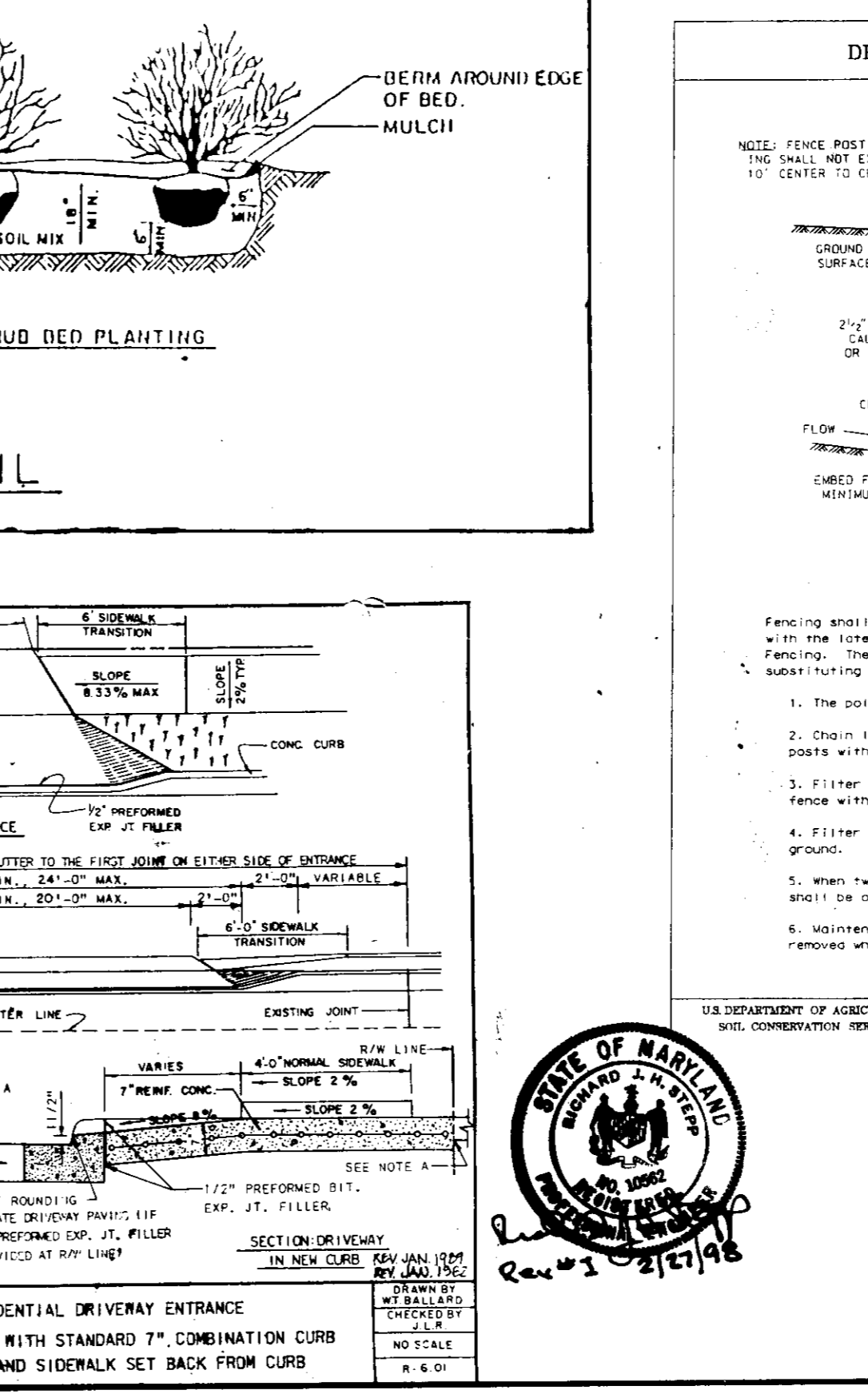
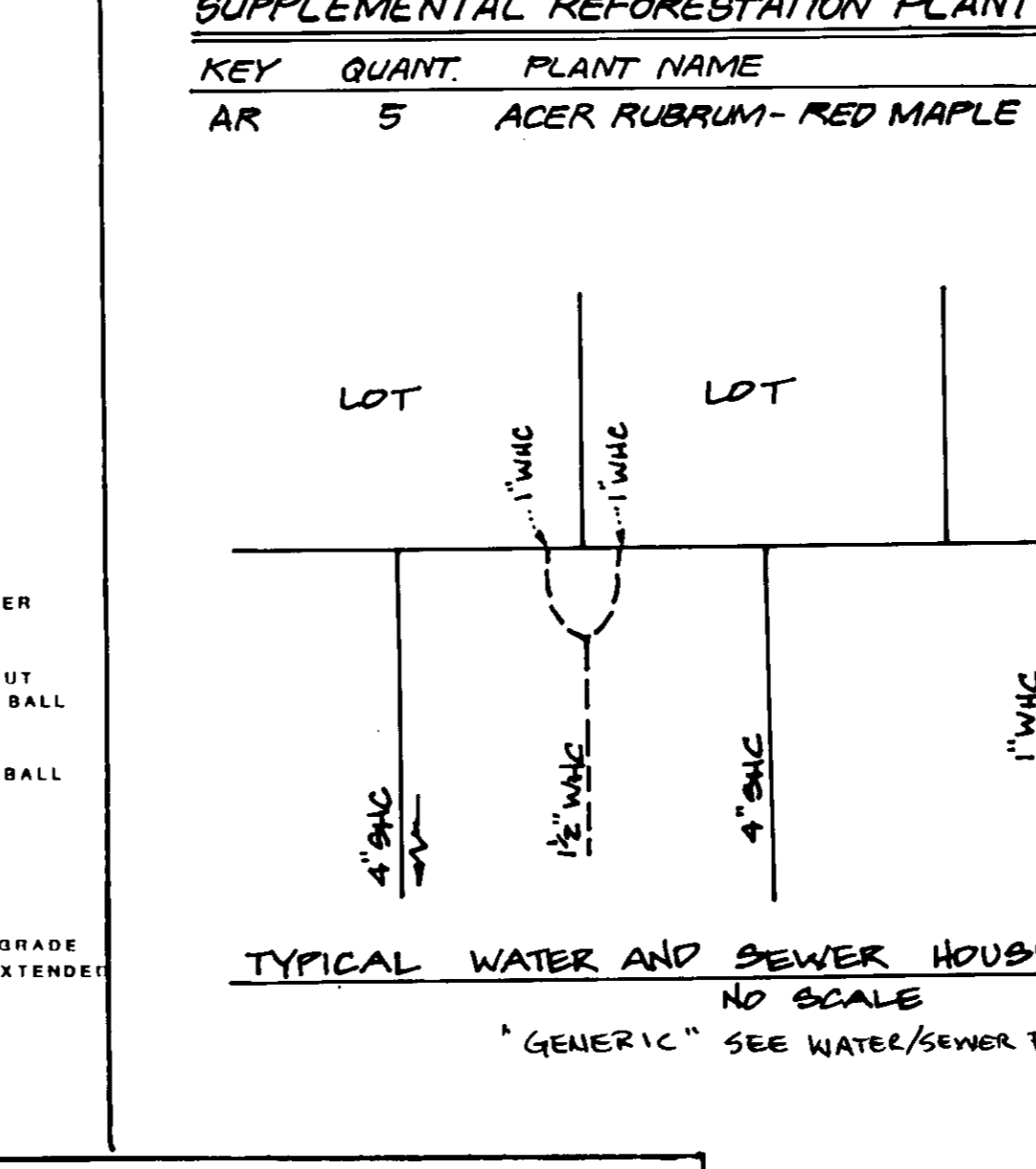
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	EARTH DIKE	STANDARD DRAWING ED-1
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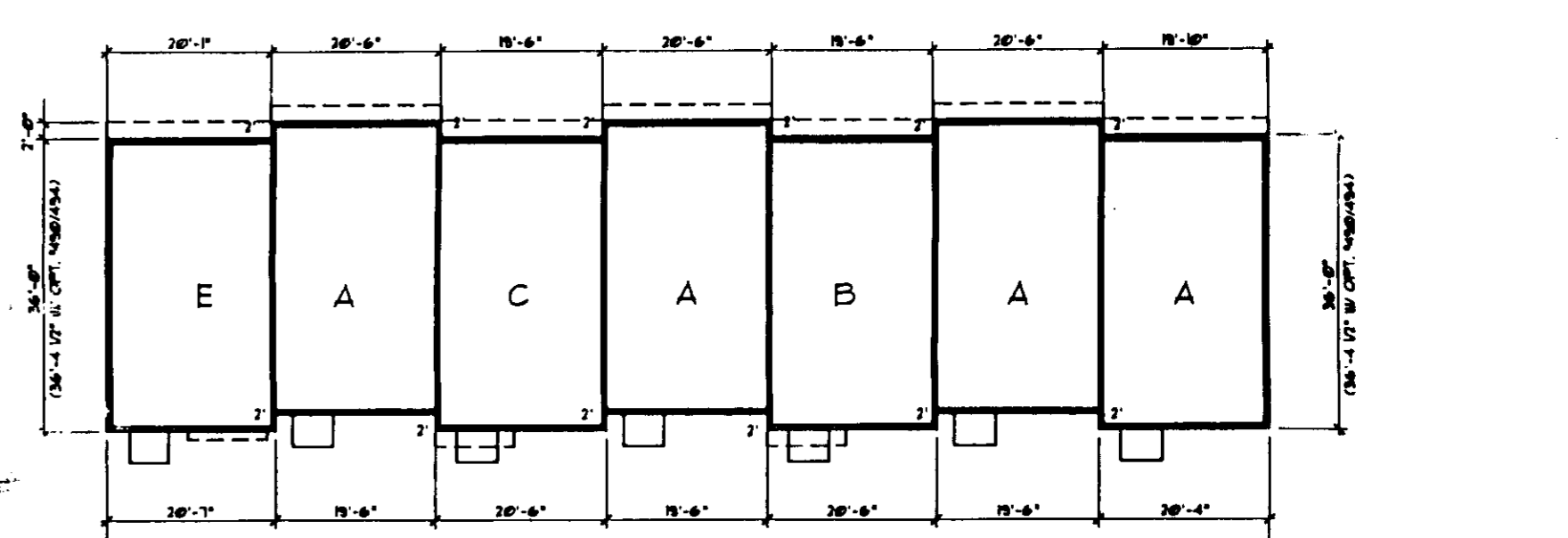
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	STABILIZED CONSTRUCTION ENTRANCE	STANDARD DRAWING SCE-2
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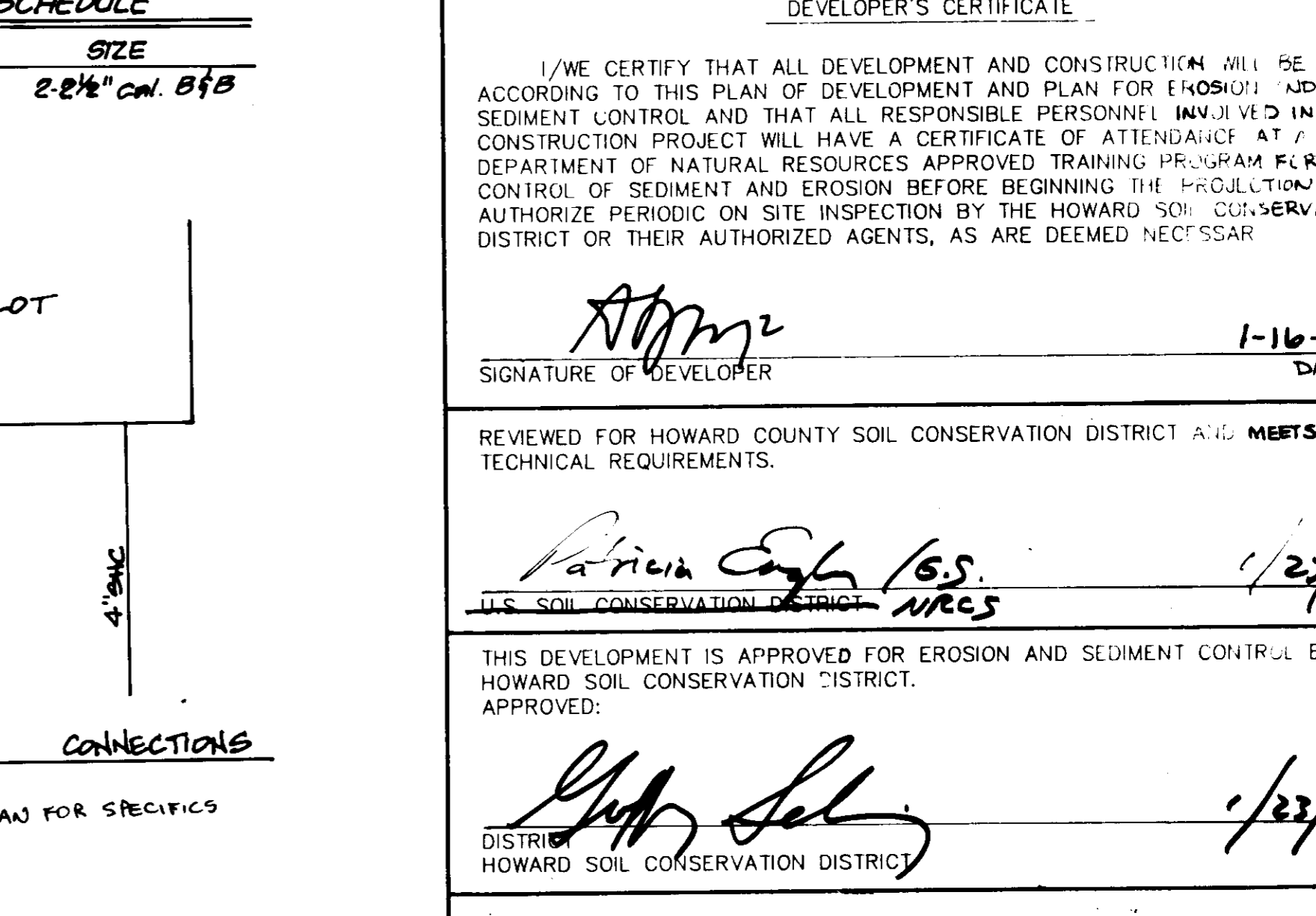
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	EARTH DIKE	STANDARD DRAWING ED-1
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U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	STABILIZED CONSTRUCTION ENTRANCE	STANDARD DRAWING SCE-2
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U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	STABILIZED CONSTRUCTION ENTRANCE	STANDARD DRAWING SCE-2
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**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 COUNTY SOIL CONSERVATION DISTRICT.

*David M...*  
SIGNATURE OF ENGINEER  
1-16-96  
DATE

**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 DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT AND AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

*Patricia Eng...*  
SIGNATURE OF DEVELOPER  
1-16-96  
DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Patricia Eng...*  
U.S. SOIL CONSERVATION DISTRICT  
1/23/96  
DATE

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

*Paul Sel...*  
DISTRICT SOIL CONSERVATION DISTRICT  
1/23/96  
DATE

**APPROVED: DEPARTMENT OF PLANNING AND ZONING**

*John Williams*  
Chief, Development Engineering Division  
1/20/96  
Date

*John Williams*  
Chief, Division and Land Development and Research  
2/20/96  
Date

*James Smith*  
Director  
2/20/96  
Date

**TITLE**  
DETAIL SHEET

**PROJECT NAME**  
CRADLEROCK FARM  
LOTS 1-8B  
SIXTH ELECTION DISTRICT TAX MAP # 36  
HOWARD COUNTY, MARYLAND.

**PREPARED BY:**  
American Engineering Inc.  
CIVIL ENGINEERING CONSULTANTS  
AND LAND PLANNERS  
871-A MAIN STREET  
LAUREL, MARYLAND 20707  
WASH. (301) 953 - 1221  
BALT. (301) 880 - 3039

**OWNER / DEVELOPER**  
DASHER GREEN ASSOCIATES LTD.  
839 ELKRIE LANDING ROAD  
LINTHICUM, MD. 21090

DES.: W.D.F.	JOB #: 92105	SCALE:	SHEET 6 OF 6
DRW.: W.D.F.	FILE #: DASHGSC	1" = 50'	
CHK.: D.C.W.	DATE: 9-18-92		