

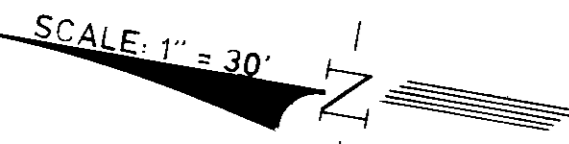
SPECIAL NOTES

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this SDP are not to be used for construction. For construction, see approved Road Construction Plans F-89-178 and/or approved Water and Sewer Plans Contract 14-1938.

The wetland, stream buffer indicated on this SDP does not affect the initial construction of a residential unit on a lot. It does prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.

LEGEND

- CONTOUR INTERVAL 2'
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF DRAINAGE
- W.A.K. OF BASEMENT
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING STORM DRAIN
- 25% OR GREATER SLOPES
- CONTROLLED FILL AREA
- 100 YR. FLOODPLAIN ELEV.
- STREET TREES (PER F-89-178)
- DRIVE WAY
- DRAINAGE / UTILITY EASEMENT
- INGRESS & EGRESS EASEMENT



PLAN APPROVAL STAMP

APPROVED: *[Signature]* 9/1/93

APPROVED: *[Signature]* 9/1/93

APPROVED: *[Signature]* 8/27/93

APPROVED: *[Signature]* 8/26/93

APPROVED: *[Signature]* 8/30/93

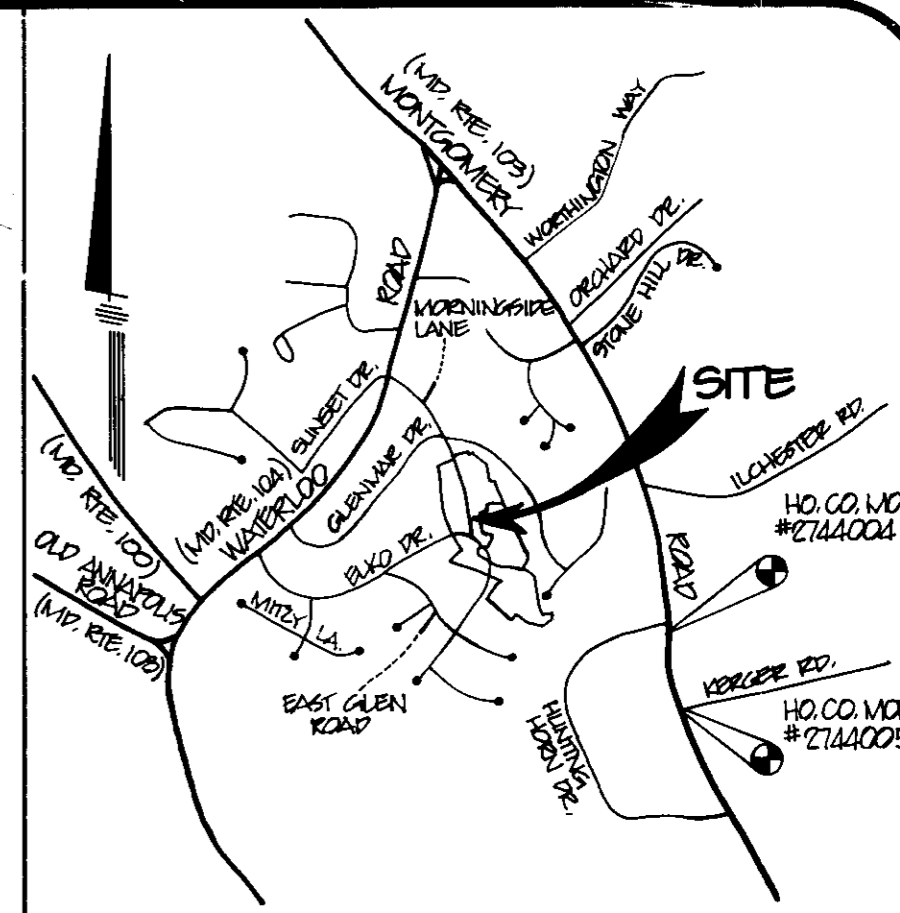
ENGINEER SURVEYOR

OWNER DEVELOPER

MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 NORTH RIDGE PLAZA, SUITE 235
ELICOTT CITY, MARYLAND 21043
(410) 461-0078

RYAN HOMES, Inc.
1829 REISTERSTOWN ROAD, SUITE 220
BALTIMORE, MARYLAND 21208

NOTE: THE POTENTIAL 10' EXTENSION AS INDICATED ON LOTS 302, 305, 312 AND 317 ALLOWS THE HOUSE TO EXTEND FORWARD OF THE FRONT OF THE BOX A MAXIMUM OF 10 FEET PROVIDED HOUSE MODEL FOOTPRINT WILL REMAIN WITHIN THE BUILDING RESTRICTION LINE, THE DRIVEWAY SLOPE DOES NOT EXCEED THAT ALLOWED IN THE DESIGN MANUAL AND GRADING REMAINS WITHIN THE ALLOWED TOLERANCES.



GENERAL NOTES

1. Subject property is zoned: R-20 per B-2-85 Comprehensive Zoning Plan.
2. The total area included in this submission is: 8,000 sq. ft.
3. The total number of lots included in this submission are 25.
4. Improvement to property: Single family detached.
5. The maximum lot coverage permitted is: 30%.
6. Department of Planning and Zoning reference file numbers are: S-87-61, P-87-71, F-89-178, SDP-90-169 and SDP-90-208.
7. Utilities shown as existing are taken from approved water and sewer plan Contract #14-1938-D, approved road construction plans F-89-178, SDP-90-04.
8. Any damage to county owned rights-of-way shall be corrected at the developer's expense.
9. Storm water management is provided per: F-89-44.
10. All roadways are public and existing.
11. The existing topography was taken from plans prepared by Dewberry & Davis F-89-178, SDP-90-04.
12. The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos. 2744004 & 2744005.
13. The contractor shall notify the Department of Public Works/Bureau of Construction Inspection a 313-1874 at least five (5) working days prior to the start of work.
14. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
15. In accordance with Section 128 of the Zoning Regulation porches and decks (open or enclosed) may project not more than 10 feet into any required front or rear setback.
16. For driveway entrance details refer to Howard County Design Manual Volume IV Std. Details R-6.01 and R-6.05.

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
301	5143 MORNINGSIDE LANE
302	5149 MORNINGSIDE LANE
303	5153 MORNINGSIDE LANE
304	5157 MORNINGSIDE LANE
305	5161 MORNINGSIDE LANE
306	5165 MORNINGSIDE LANE
307	5169 MORNINGSIDE LANE
308	5173 MORNINGSIDE LANE
309	5177 MORNINGSIDE LANE
310	5181 MORNINGSIDE LANE
311	5185 MORNINGSIDE LANE
312	8248 ELKO DRIVE
313	8244 ELKO DRIVE
314	8240 ELKO DRIVE
315	8236 ELKO DRIVE
316	8232 ELKO DRIVE
317	8228 ELKO DRIVE
341	8258 ELKO DRIVE
342	5162 MORNINGSIDE LANE
343	5158 MORNINGSIDE LANE
344	5154 MORNINGSIDE LANE
345	5150 MORNINGSIDE LANE
346	5146 MORNINGSIDE LANE
347	5142 MORNINGSIDE LANE
348	5138 MORNINGSIDE LANE

SHEET INDEX

- SHEET 1 GENERIC SITE DEVELOPMENT PLAN
- SHEET 2 GENERIC SITE DEVELOPMENT PLAN
- SHEET 3 SEDIMENT & EROSION CONTROL PLAN
- SHEET 4 SEDIMENT & EROSION CONTROL PLAN
- SHEET 5 SEDIMENT & EROSION CONTROL NOTES & DETAILS



17. BENCHMARKS: HOWARD CO. MON #2744004 ELEV. 415.567
HOWARD CO. MON #2744005 ELEV. 415.225
HOWARD CO. MON #2744005 ELEV. 415.225
34' BENCH MARK SURFACE 10' N. OF CORNER OF LOT 301 AND 60' N. OF E. OF CENTER ROAD.

MONTGOMERY MEADOWS

RECT. AREA	LOTS	PREVIOUS FILE			
1.6	301-317 341-348	S-87-61, P-87-71, F-89-178 SDP-90-169, SDP-90-208			
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.	CENSUS
9726	14 & 20	R-20	31	1st	6011
WATER CODE	SEWER CODE				
G-01					2900000

PROJECT: 93009.00 MAY '93
DRAWN BY: CAM
CHECKED BY: CAM
DATE: 5/15/94
REVISION: 1
REVISION: 2
REVISION: 3

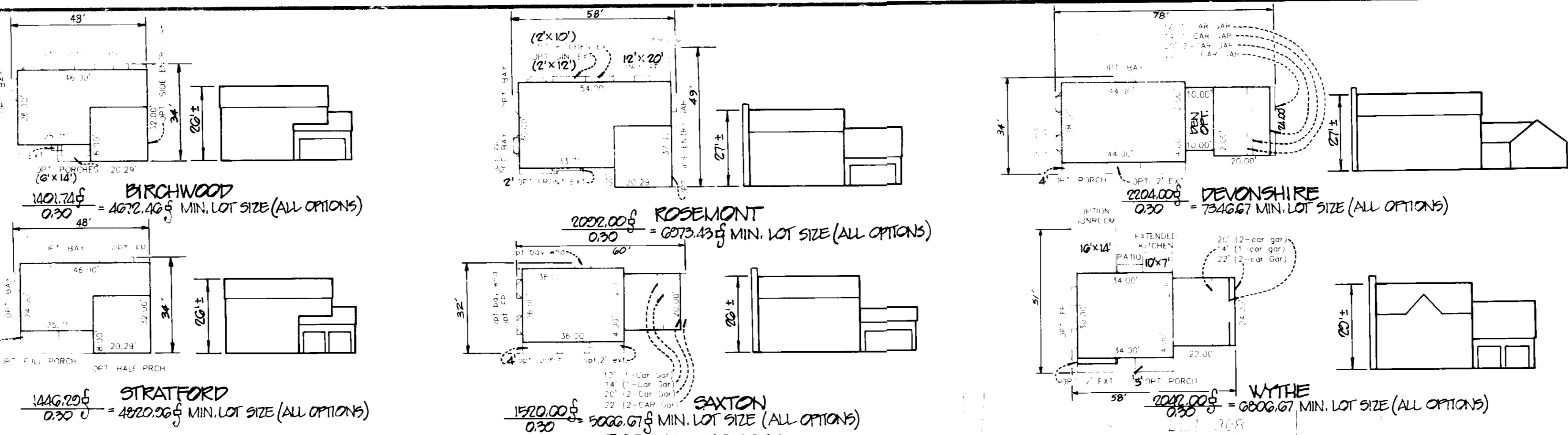
SECTION 1 AREA 6 LOTS 301 - 317 & 341 - 348
MONTGOMERY MEADOWS
ELECTION DISTRICT No. 1
HOWARD COUNTY, MARYLAND
GENERIC SITE DEVELOPMENT PLAN

1 of 5
SDP-93-125

SPECIAL NOTES

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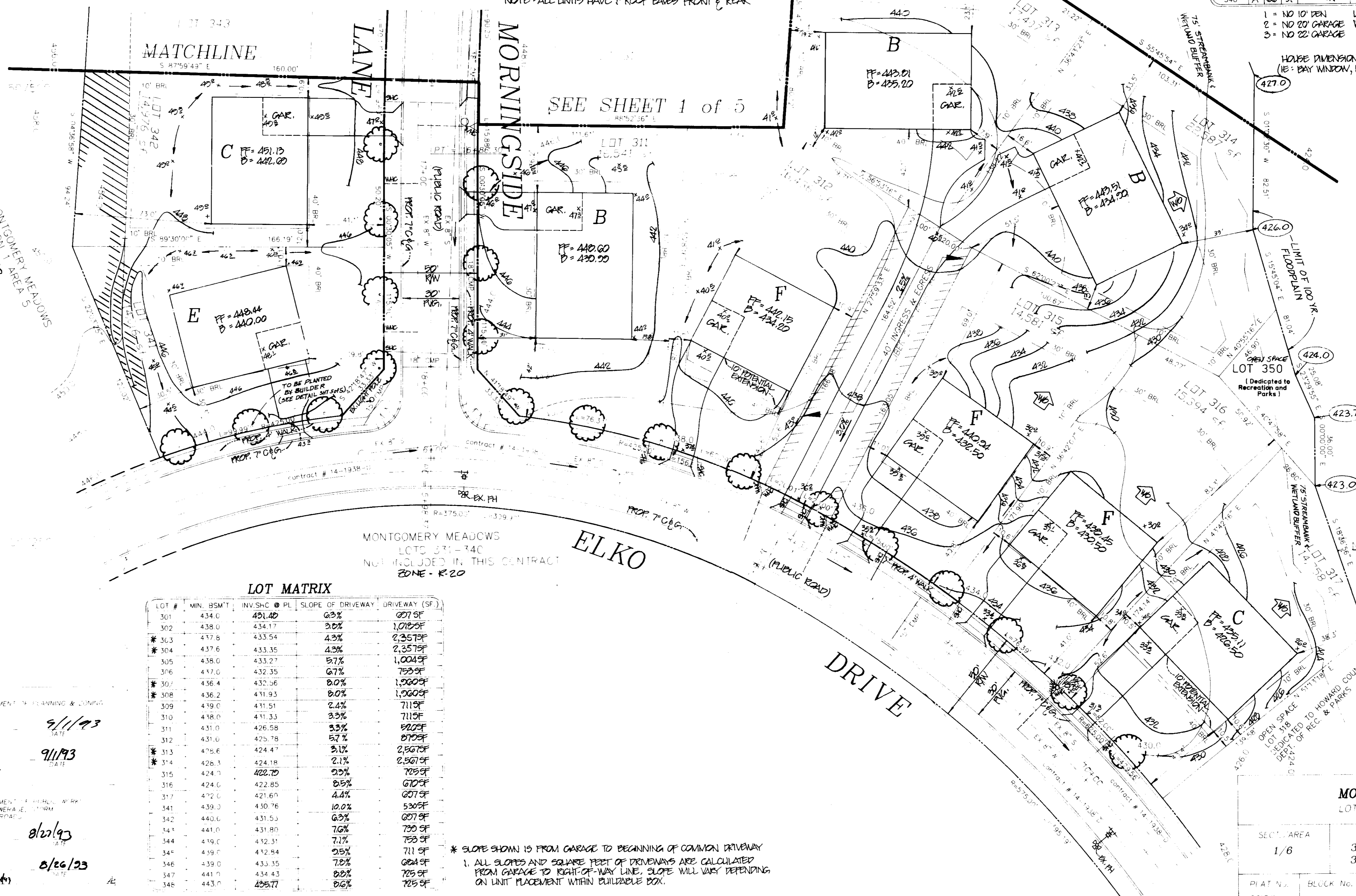
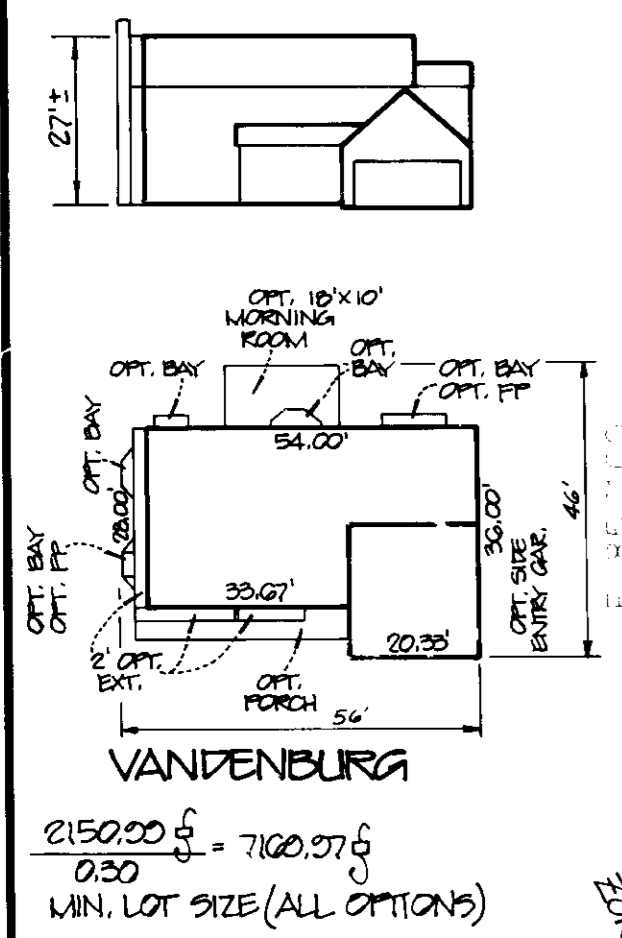
HOUSE MATRIX

LOT #	GENERIC BOX	DEVONSHIRE	ROSEMONT	BIRCHWOOD	STRATFORD	SAXTON	VANDEBURG	WHITE
301	A	N	N	N	N	N	N	N
302	B	Y,1,2,3	N	Y	Y	Y	N	N
303	B	Y	Y	Y	Y	Y	Y	Y
304	D	Y	Y	Y	Y	Y	Y	Y
305	D	Y,1,2,3	Y	Y	Y	Y	Y	Y
306	D	Y,1,2,3	Y	Y	Y	Y	Y	Y
307	B	Y	Y	Y	Y	Y	Y	Y
308	B	Y	Y	Y	Y	Y	Y	Y
309	E	Y,1,2	Y	Y	Y	Y	Y	Y
310	A	Y,1	Y	Y	Y	Y	Y	Y
311	B	Y	Y	Y	Y	Y	Y	Y
312	F	Y,1,2,3	Y	Y	Y	Y	Y	Y
313	D	Y	Y	Y	Y	Y	Y	Y
314	D	Y	Y	Y	Y	Y	Y	Y
315	F	Y,1,2,3	Y	Y	Y	Y	Y	Y
316	F	Y,1,2,3	Y	Y	Y	Y	Y	Y
317	C	Y,1	Y	Y	Y	Y	Y	Y
341	E	Y,1,2	Y	Y	Y	Y	Y	Y
342	C	Y,1	Y	Y	Y	Y	Y	Y
343	C	Y,1	Y	Y	Y	Y	Y	Y
344	C	Y,1	Y	Y	Y	Y	Y	Y
345	C	Y,1	Y	Y	Y	Y	Y	Y
346	C	Y,1	Y	Y	Y	Y	Y	Y
347	A	Y,1	Y	Y	Y	Y	Y	Y
348	A	Y,1	Y	Y	Y	Y	Y	Y

1 = NO 10' DEN
2 = NO 20' GARAGE
3 = NO 22' GARAGE

L = LENGTH OF GENERIC BOX
W = WIDTH OF GENERIC BOX

Y = ALL OPTIONS EXCEPT AS INDICATED
N = UNIT DOES NOT FIT ON LOT



LEGEND

CONTOUR INTERVAL 2'

EXISTING CONTOUR 400

PROPOSED CONTOUR 420

DIRECTION OF DRAINAGE

WALK OUT BASEMENT

EXISTING SEWER MAIN 36" DIA

EXISTING WATER MAIN 24" DIA

EXISTING STORM DRAIN 24" DIA

25% OR GREATER SLOPES

CONTROLLED FILL AREA

100YR FLOODPLAIN ELEV. 427.0

STREET TREES (PER F-89-178)

DRIVEWAYS

DRAINAGE & UTILITY EASEMENT

INGRESS & EGRESS EASEMENT

GENERIC BOX DIMENSIONS

BOX A	66' x 51'
BOX B	78' x 51'
BOX C	68' x 51'
BOX D	58' x 51'
BOX E	64' x 51'
BOX F	60' x 51'
BOX G	50' x 34'

LOT MATRIX

LOT #	MIN. BSM	INV. SHC @ PL	SLOPE OF DRIVEWAY	DRIVEWAY (SF)
301	434.0	431.40	6.3%	627 SF
302	438.0	434.17	3.0%	1,012 SF
303	437.8	433.54	4.3%	2,357 SF
304	437.6	433.35	4.3%	2,357 SF
305	438.0	433.27	5.7%	1,004 SF
306	437.0	432.35	6.7%	753 SF
307	436.4	432.36	0.0%	1,000 SF
308	436.2	431.93	0.0%	1,000 SF
309	439.0	431.51	2.4%	711 SF
310	438.0	431.33	3.3%	711 SF
311	431.0	426.58	3.3%	522 SF
312	431.0	425.78	5.7%	672 SF
313	425.6	424.47	3.1%	2,627 SF
314	428.1	424.18	2.1%	2,567 SF
315	424.1	422.70	0.0%	709 SF
316	424.0	422.85	8.5%	670 SF
317	422.0	421.61	4.4%	607 SF
341	439.0	430.76	10.0%	530 SF
342	440.0	431.53	6.3%	627 SF
343	441.0	431.80	7.6%	753 SF
344	439.0	432.31	7.1%	753 SF
345	439.0	432.94	0.5%	711 SF
346	439.0	433.35	7.0%	624 SF
347	441.0	434.43	0.0%	725 SF
348	443.0	435.71	0.6%	725 SF

* SLOPE SHOWN IS FROM GARAGE TO BEGINNING OF COMMON DRIVEWAY
1. ALL SLOPES AND SQUARE FEET OF DRIVEWAYS ARE CALCULATED FROM GARAGE TO RIGHT-OF-WAY LINE. SLOPE WILL VARY DEPENDING ON UNIT PLACEMENT WITHIN BUILDABLE BOX.

NOTE: THE POTENTIAL 10' EXTENSION AS INDICATED ON LOTS 302, 305, 312 AND 317 ALLOWS THE HOUSE TO EXTEND FORWARD OF THE FRONT OF THE BOX A MAXIMUM OF 10 FEET PROVIDED HOUSE MODEL FOOTPRINT WILL REMAIN WITHIN THE BUILDING RESTRICTION LINE. THE DRIVEWAY SLOPE DOES NOT EXCEED THAT ALLOWED IN THE DESIGN MANUAL AND GRADING REMAINS WITHIN THE ALLOWED TOLERANCES.

APPROVED: *[Signature]* 9/11/93
Gina Surinmani
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: *[Signature]* 8/26/93
Randy J. [Name]
CHIEF, PUBLIC ENGINEERING

APPROVED: *[Signature]* 8/30/93
James M. Boyd
CHIEF, HEALTH DEPARTMENT

ENGINEER/SURVEYOR: MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 NORTH RIDGE ROAD, SUITE 235
ELLICOTT CITY, MARYLAND 21043
(410) 481-0078

OWNER/DEVELOPER: RYAN HOMES, INC.
1829 REISTERSTOWN ROAD, SUITE 220
BALTIMORE, MARYLAND 21208

MONTGOMERY MEADOWS
LOTS 301 - 317 & 341 - 348

SECT. AREA	1/6	LOT	301-317 341-348	PREVIOUS FILE	S-87-81, P-87-71, F-89-178 SDP-90-169, SDP-90-208
PLAT NO.	9726 - 9728	BLOCK NO.	14 & 20	ZONE	R-20
TAX MAP	31	F.P.C. DIST.	1st	RECORD	6011
WATER CODE	G-01	SEWER CODE	2900000		

SECTION 1 AREA 6 LOTS 301 - 317 & 341 - 348
MONTGOMERY MEADOWS
ELECTION DISTRICT No. 1
HOWARD COUNTY, MARYLAND
GENERIC SITE DEVELOPMENT PLAN

MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 NORTH RIDGE ROAD, SUITE 235, ELLICOTT CITY, MARYLAND 21043-6337
(410) 481-0078 FAX (410) 621-5766

REVISIONS:
1. REVISED DRIVEWAY LOT 341
2. REVISED PER COMMONS SUBMIT FOR SIGNATURES
3. LOT SUBMITTED TO HO. CO. PER
DATE: 9/11/93
BY: [Signature]

DATE: MAY 93
DRAWN BY: [Signature]
CHECKED BY: [Signature]
SCALE: 1" = 30'

2 OF 5

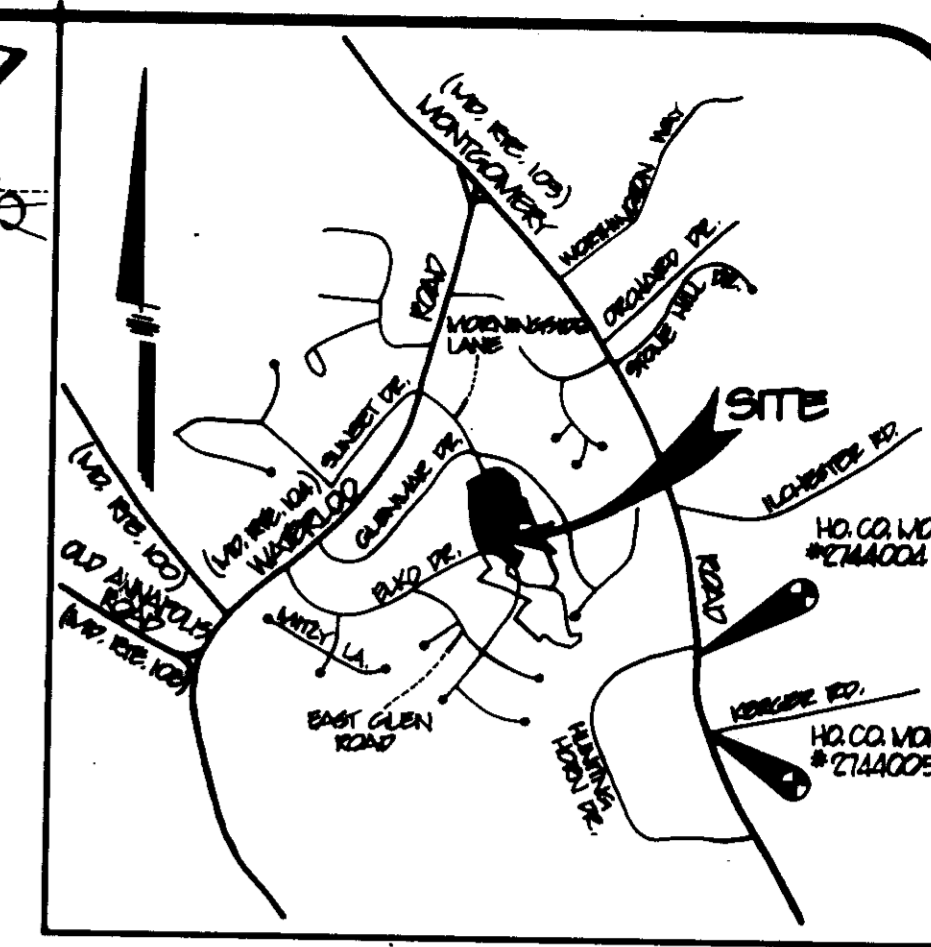
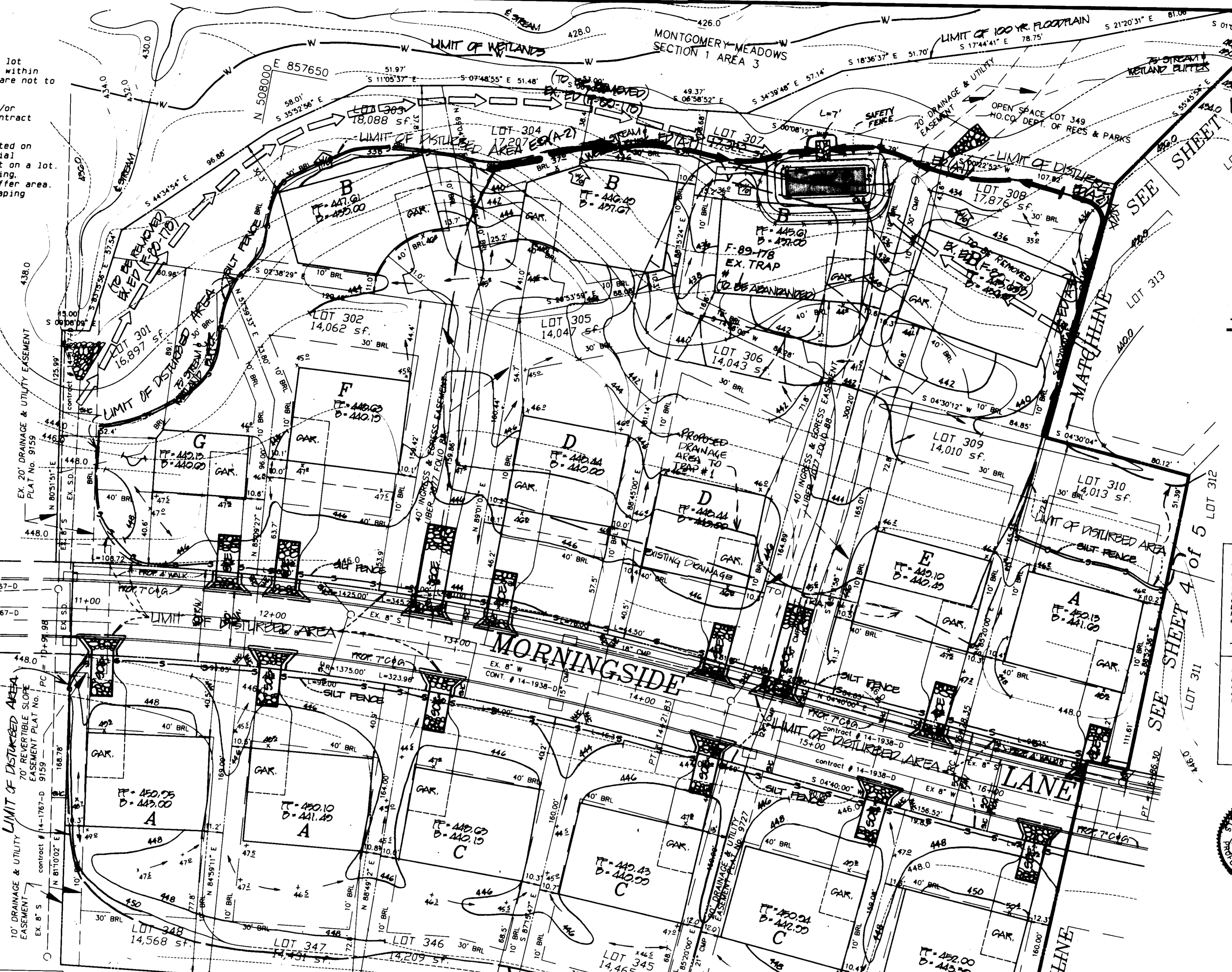
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LEGEND

- CONTOUR INTERVAL 2'
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING STORM DRAIN
- 25% OR GREATER SLOPES
- SILT FENCE
- EXISTING EARTH PIKE
- PROPOSED EARTH PIKE
- STABILIZED CONSTRUCTION ENTRANCE

SCALE: 1" = 20'



VICINITY MAP
SCALE: 1" = 2000'

TRAP NO. 1 SOST (ST-1)

DRAINAGE AREA = 1.05 AC.
 STORAGE REQUIRED = 1270 FT³
 STORAGE PROVIDED = 5000 FT³
 DEPTH = 3'
 TOP OF STONE WEIR = 431.5
 BOTTOM ELEV. = 427.5
 BOTTOM DIMENSIONS = 14' X 44'
 CLEANOUT ELEV. = 420.0
 SIDE SLOPES = 2:1
 LENGTH = 7'

DEVELOPER'S CERTIFICATE

I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this 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 quality inspection by the Howard County Soil Conservation District or their authorized agents, as deemed necessary.

Signature of Developer: *[Signature]* 5/28/93
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 County Soil Conservation District.

Signature: *[Signature]* 6-7-93
Date

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
301	5145 MORNINGSIDE LANE
302	5149 MORNINGSIDE LANE
303	5153 MORNINGSIDE LANE
304	5157 MORNINGSIDE LANE
305	5161 MORNINGSIDE LANE
306	5165 MORNINGSIDE LANE
307	5169 MORNINGSIDE LANE
308	5173 MORNINGSIDE LANE
309	5177 MORNINGSIDE LANE
310	5181 MORNINGSIDE LANE
311	5185 MORNINGSIDE LANE
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313	8244 ELKO DRIVE
314	8240 ELKO DRIVE
315	8236 ELKO DRIVE
316	8232 ELKO DRIVE
317	8228 ELKO DRIVE
318	8224 ELKO DRIVE
319	8220 ELKO DRIVE
320	8216 ELKO DRIVE
321	8212 ELKO DRIVE
322	8208 ELKO DRIVE
323	8204 ELKO DRIVE
324	8200 ELKO DRIVE
325	8196 ELKO DRIVE
326	8192 ELKO DRIVE
327	8188 ELKO DRIVE
328	8184 ELKO DRIVE
329	8180 ELKO DRIVE
330	8176 ELKO DRIVE
331	8172 ELKO DRIVE
332	8168 ELKO DRIVE
333	8164 ELKO DRIVE
334	8160 ELKO DRIVE
335	8156 ELKO DRIVE
336	8152 ELKO DRIVE
337	8148 ELKO DRIVE
338	8144 ELKO DRIVE
339	8140 ELKO DRIVE
340	8136 ELKO DRIVE
341	8132 ELKO DRIVE
342	8128 ELKO DRIVE
343	8124 ELKO DRIVE
344	8120 ELKO DRIVE
345	8116 ELKO DRIVE
346	8112 ELKO DRIVE
347	8108 ELKO DRIVE
348	8104 ELKO DRIVE

BOUNDARIES: HOWARD COUNTY, MONTGOMERY MEADOWS SECTION 1, AREA 3, 4, 5, 6. 1/4" CORNER OF 1/4" SECTION 1, AREA 3, 4, 5, 6. 1/4" CORNER OF 1/4" SECTION 1, AREA 3, 4, 5, 6. 1/4" CORNER OF 1/4" SECTION 1, AREA 3, 4, 5, 6.

MONTGOMERY MEADOWS LOTS 301 - 317 & 341 - 348					
SECT./AREA	1/6	LOTS	301-317 341-348	PREVIOUS FILE	S-87-81, P-87-71, F-89-178 SDP-90-189, SDP-90-208
PLAT No.	9726 - 9728	BLOCK No.	14 & 20	TAX MAP	31
		ZONE	R-20	ELEC. DIST.	1st
				CENSUS	6011
WATER CODE	G-01		SEWER CODE	2900000	

PLAN APPROVAL STAMP

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 DIRECTOR: *[Signature]* 9/1/93
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH: *[Signature]* 9/1/93

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
 DIRECTOR: *[Signature]* 8/27/93
 CHIEF, BUREAU OF ENGINEERING: *[Signature]* 8/26/93

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER: *[Signature]* 8/30/93

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 HOWARD COUNTY SOIL CONSERVATION DISTRICT: *[Signature]* 8/2/93

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 HOWARD COUNTY SOIL CONSERVATION SERVICE: *[Signature]* 8/2/93

ENGINEER/SURVEYOR
 MILDENBERG, MOCHI & ASSOCIATES, Inc.
 3300 NORTH RIDGE ROAD, SUITE 230
 ELLICOTT CITY, MARYLAND 21043
 (410) 481-0078

OWNER/DEVELOPER
 RYAN HOMER, Inc.
 1428 HENNINGTON WAY, SUITE 220
 BALTIMORE, MARYLAND 21209

SECTION 1 AREA 6 LOTS 301 - 317 & 341 - 348
MONTGOMERY MEADOWS
 ELECTION DISTRICT No. 1
SEWAGE & EROSION CONTROL PLAN

MILDENBERG, MOCHI & ASSOCIATES, INC.
 3300 North Ridge Road, Suite 230, Ellicott City, Maryland 21043-3350
 (410) 481-0078
 FAX: (410) 520-5340

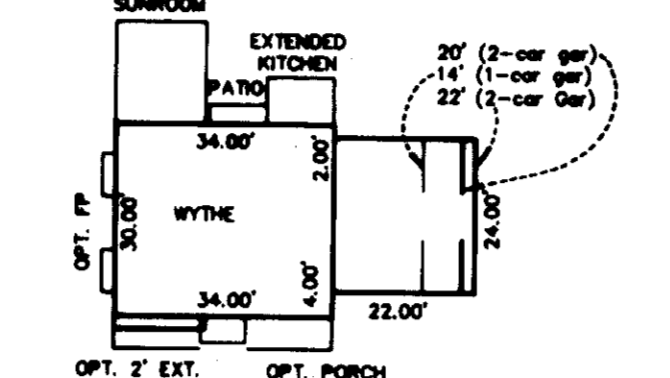
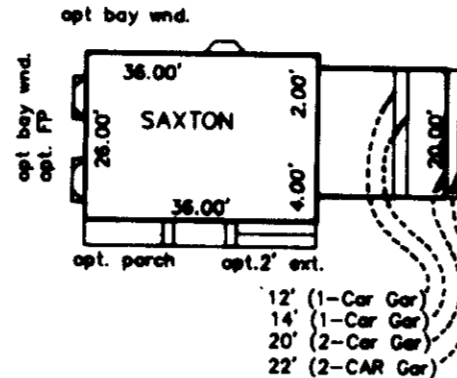
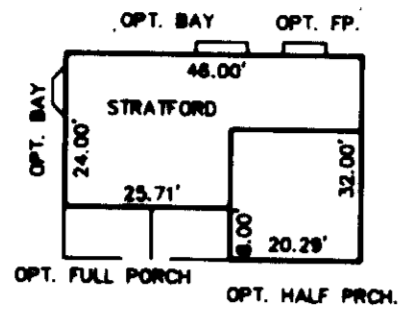
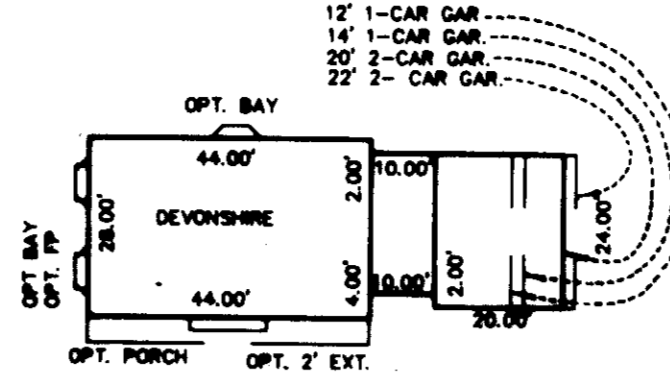
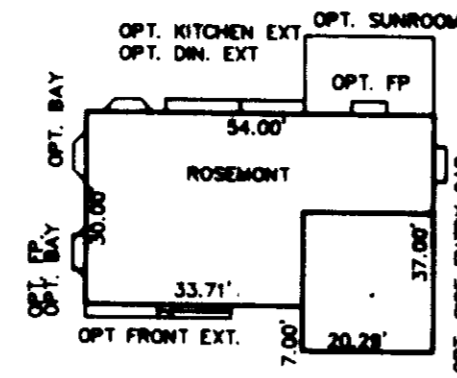
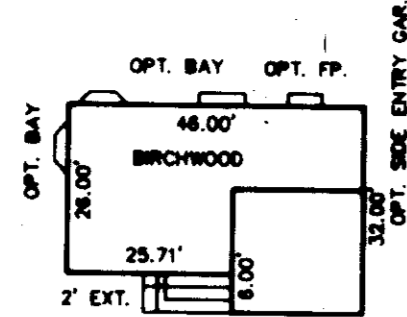
PROJECT NO. 93009-00
 DATE: MAY 93
 ILLUSTRATION: CAM
 SCALE: 1" = 30'
 APPROVAL: JPM

REVISED COMMENTS DATED 7/10/93
 SUBMIT ORIGINALS FOR SIGNATURE
 NO. 1 8-7-93 6/2/93
 NO. 2 1st ELEVATIONAL TO HQ CO. DPT. description date revisions

3 OF 5

SPECIAL NOTES

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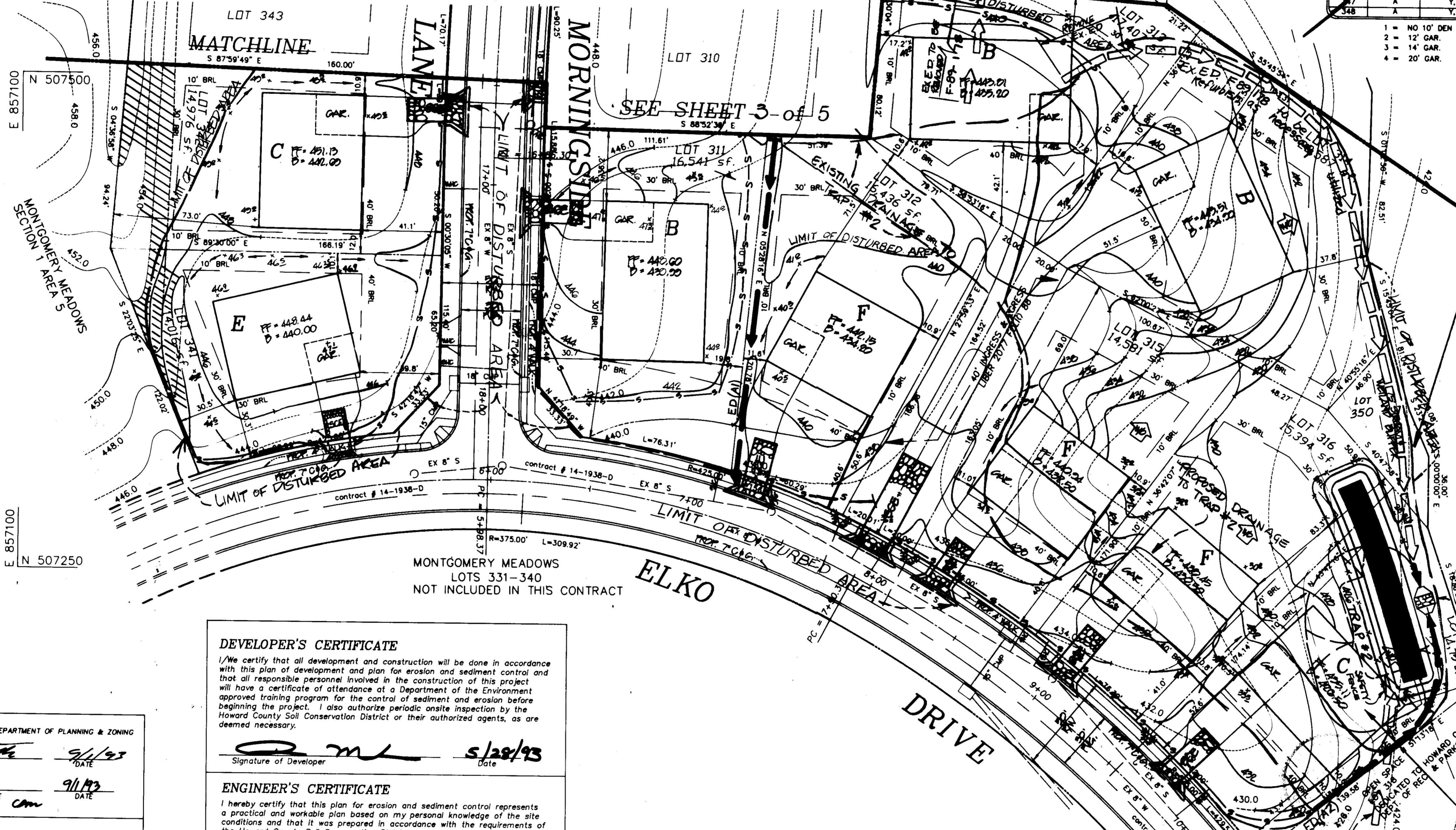
HOUSE MATRIX							
LOT #	BOX TYPE	DEVONSHIRE	ROSEMONT	BIRCHWOOD	STRAITFORD	SAXTON	WYTHE
302	G	N	N	Y	Y	Y,2,3	Y
303	F	Y,1,2,3	Y	Y	Y	Y	Y
304	B	Y	Y	Y	Y	Y	Y
305	D	Y,1,2,3	Y	Y	Y	Y	Y
306	D	Y,1,2,3	Y	Y	Y	Y	Y
307	B	Y	Y	Y	Y	Y	Y
308	B	Y	Y	Y	Y	Y	Y
309	E	Y,1,2,3	Y	Y	Y	Y	Y
310	A	Y,5	Y	Y	Y	Y	Y
311	B	Y	Y	Y	Y	Y	Y
312	F	Y,1,2,3	Y	Y	Y	Y	Y
313	B	Y	Y	Y	Y	Y	Y
314	B	Y	Y	Y	Y	Y	Y
315	F	Y,1,2,3	Y	Y	Y	Y	Y
316	F	Y,1,2,3	Y	Y	Y	Y	Y
317	C	Y	Y	Y	Y	Y	Y
341	E	Y,1,2,3,4	Y	Y	Y	Y	Y
342	C	Y	Y	Y	Y	Y	Y
343	C	Y	Y	Y	Y	Y	Y
344	C	Y	Y	Y	Y	Y	Y
345	C	Y	Y	Y	Y	Y	Y
346	C	Y	Y	Y	Y	Y	Y
347	A	Y,5	Y	Y	Y	Y	Y
348	A	Y,5	Y	Y	Y	Y	Y

1 = NO 10' DEN
2 = 12' GAR.
3 = 14' GAR.
4 = 20' GAR.
5 = 22' GAR.
Y = ALL OPTIONS EXCEPT AS INDICATED

LEGEND

- CONTOUR INTERVAL 2'
- EXISTING CONTOUR 400
- PROPOSED CONTOUR 400
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- EXISTING SEWER MAIN 8" DIA
- EXISTING WATER MAIN 12" DIA
- EXISTING STORM DRAIN 24" DIA
- 25% OR GREATER SLOPES

EX TRAP #2 300T (ST-V)
 RETURN AS NECESSARY TO DIMENSION SHOWN
 DRAINAGE AREA = 1.6 AC (PROP)
 STORAGE REQUIRED = 2200 FT³
 STORAGE PROVIDED = 2204 FT³
 DEPTH = 2'
 WALK CREST ELEV. = 423.0
 BOTTOM ELEV. = 421.0
 CLEAN-OUT ELEV. = 421.0
 BOTTOM DIMENSION = 10' x 12'
 SIDE SLOPES = 2:1
 LENGTH = 5'



PLAN APPROVAL STAMP

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 DIRECTOR: *[Signature]* 9/1/93
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH: *[Signature]* 9/1/93

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
 DIRECTOR: *[Signature]* 8/27/93
 CHIEF, BUREAU OF ENGINEERING: *[Signature]* 8/26/93

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER: *[Signature]* 8/26/93

DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this 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 onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.
 Signature of Developer: *[Signature]* 5/28/93
 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 County Soil Conservation District.
 Robert M. Mochi, P.E. 6-7-93
 Date

ENGINEER/SURVEYOR
 MILDENBERG, MOCHI & ASSOCIATES, INC.
 3300 NORTH RIDGE ROAD, SUITE 230
 BELLCOTT CITY, MARYLAND 21043
 (410) 461-0078

OWNER/DEVELOPER
 RYAN HOMER, INC.
 1100 WESTBURY ROAD, SUITE 220
 BALTIMORE, MARYLAND 21206

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
[Signature] 8/2/93

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
[Signature] 8/2/93

MONTGOMERY MEADOWS LOTS 301 - 317 & 341 - 348					
SECT./AREA	1/8	LOTS	301-317 341-348	PREVIOUS FILE	S-87-61, P-87-71, F-89-178 SDP-90-169, SDP-90-208
PLAT No.	9728	BLOCK No.	14 & 20	TAX MAP	31
		ZONE	R-20	ELEC. DIST.	1st
				CENSUS	6011
WATER CODE	G-01		SEWER CODE	2900000	

SOP 93-125

PROJECT: 93009-00
 DATE: MAY '93
 DRAWING: CAM
 SCALE: 1" = 30'

REVISIONS
 2 REVISED DRIVEWAY LOT 341
 1 REVISED COMMENTS DATED 7/10/93
 1 SUBMIT ORIGINALS FOR SIGNATURES
 0 BY SUBMITTAL TO HD CD/DPT

SECTION 1 AREA 6 LOTS 301 - 317 & 341 - 348
MONTGOMERY MEADOWS
 ELECTION DISTRICT No. 1
 HOWARD COUNTY, MARYLAND
SEGMENT 1 EROSION CONTROL PLAN

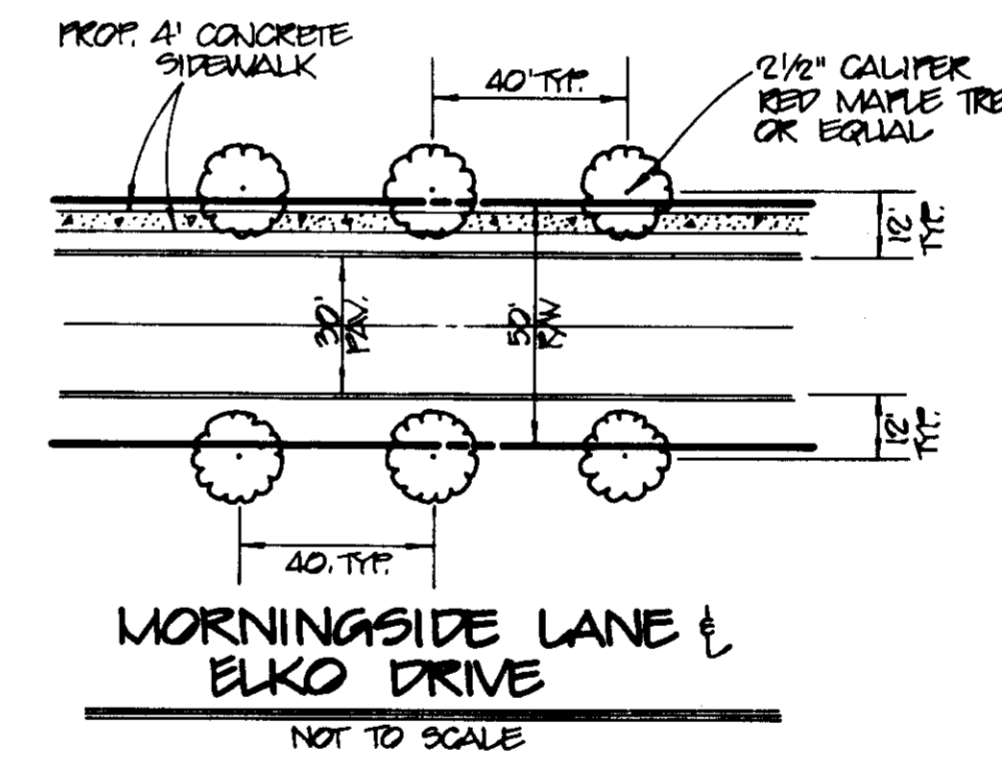
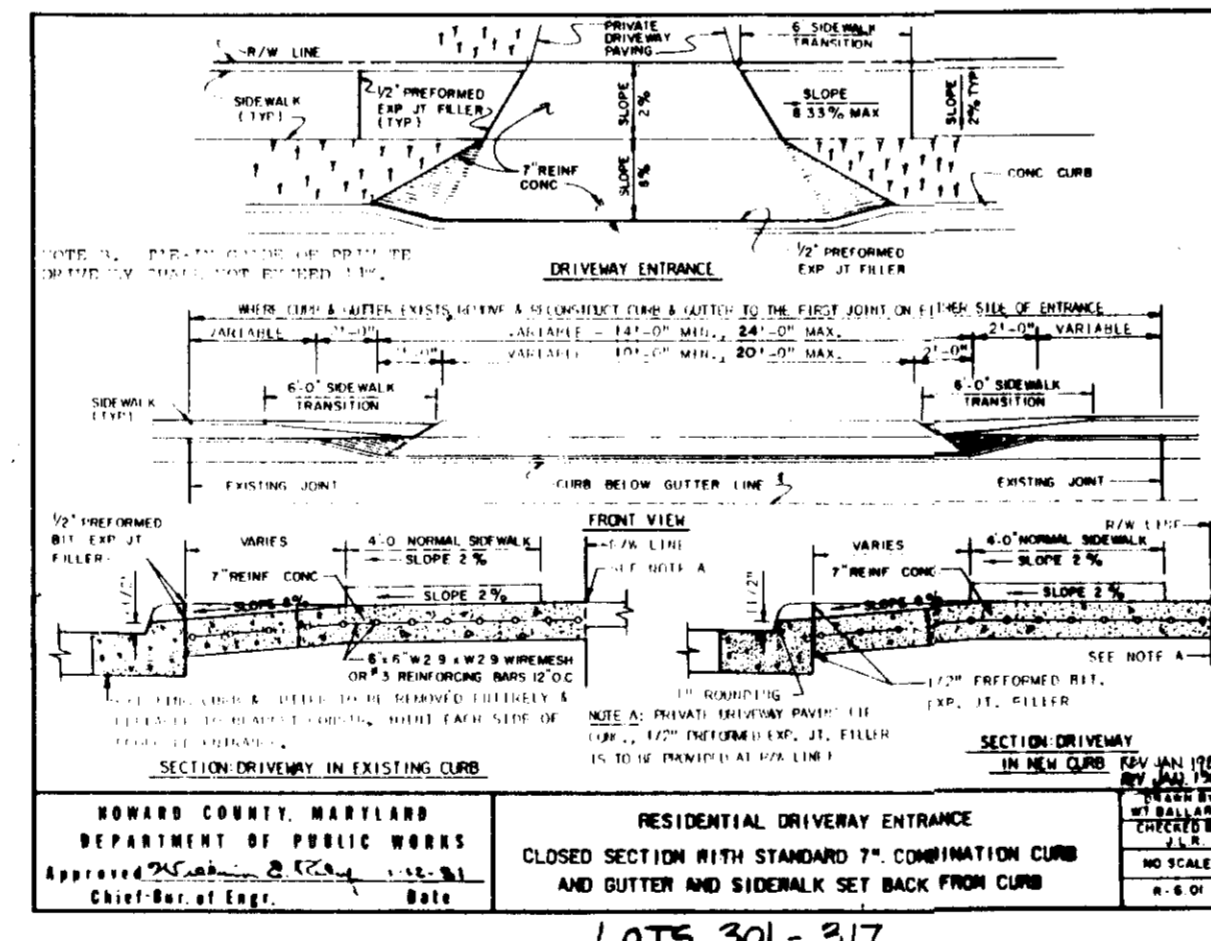
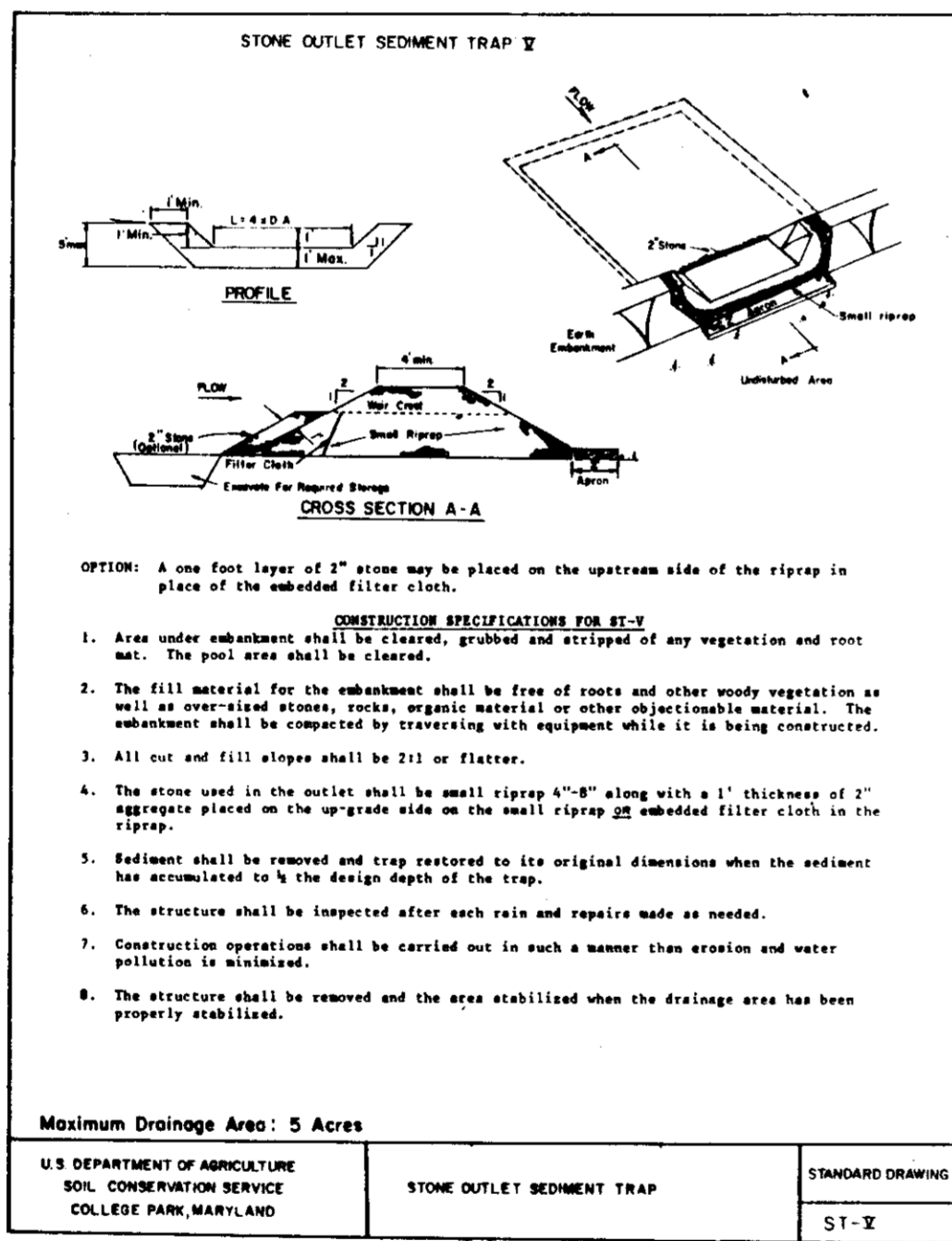
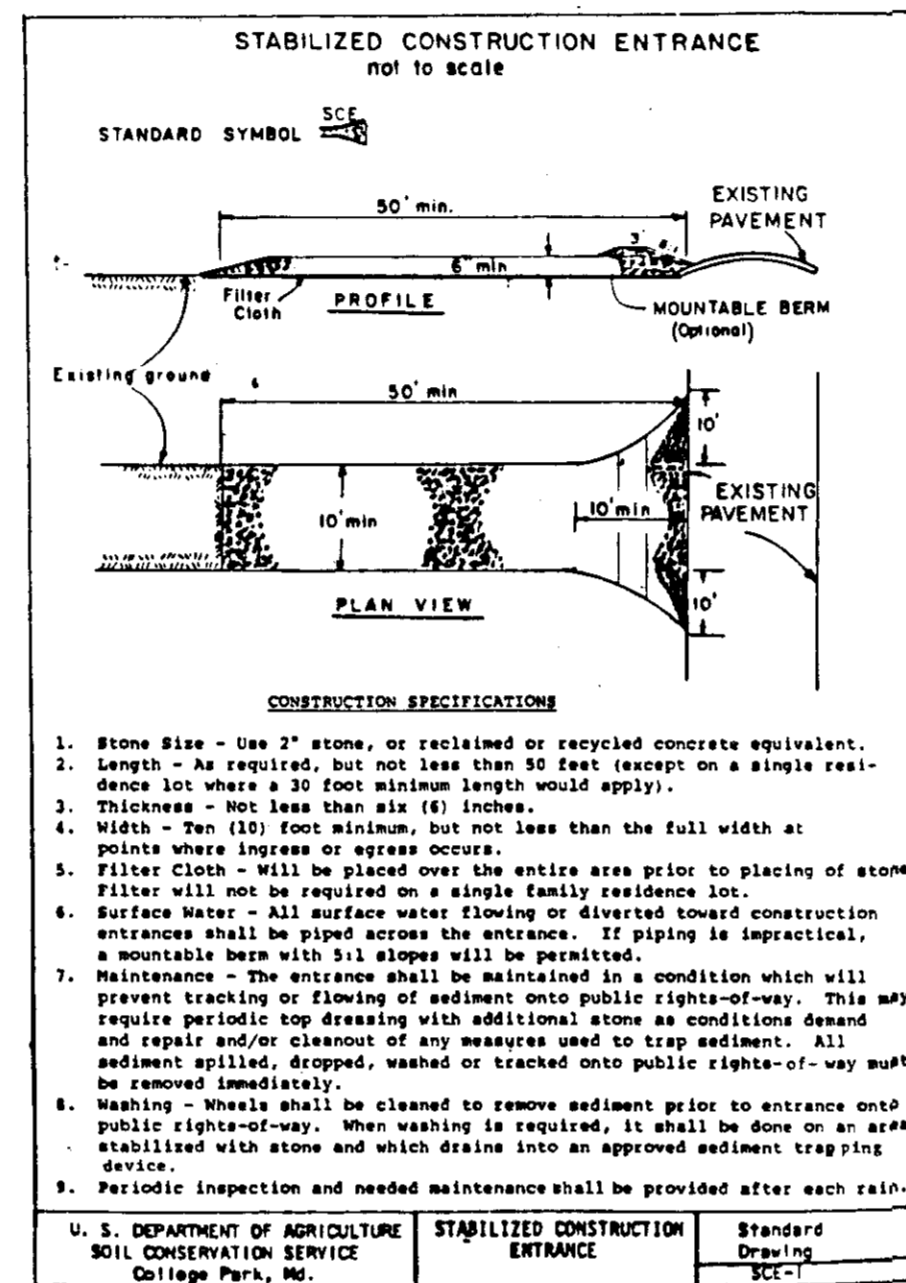
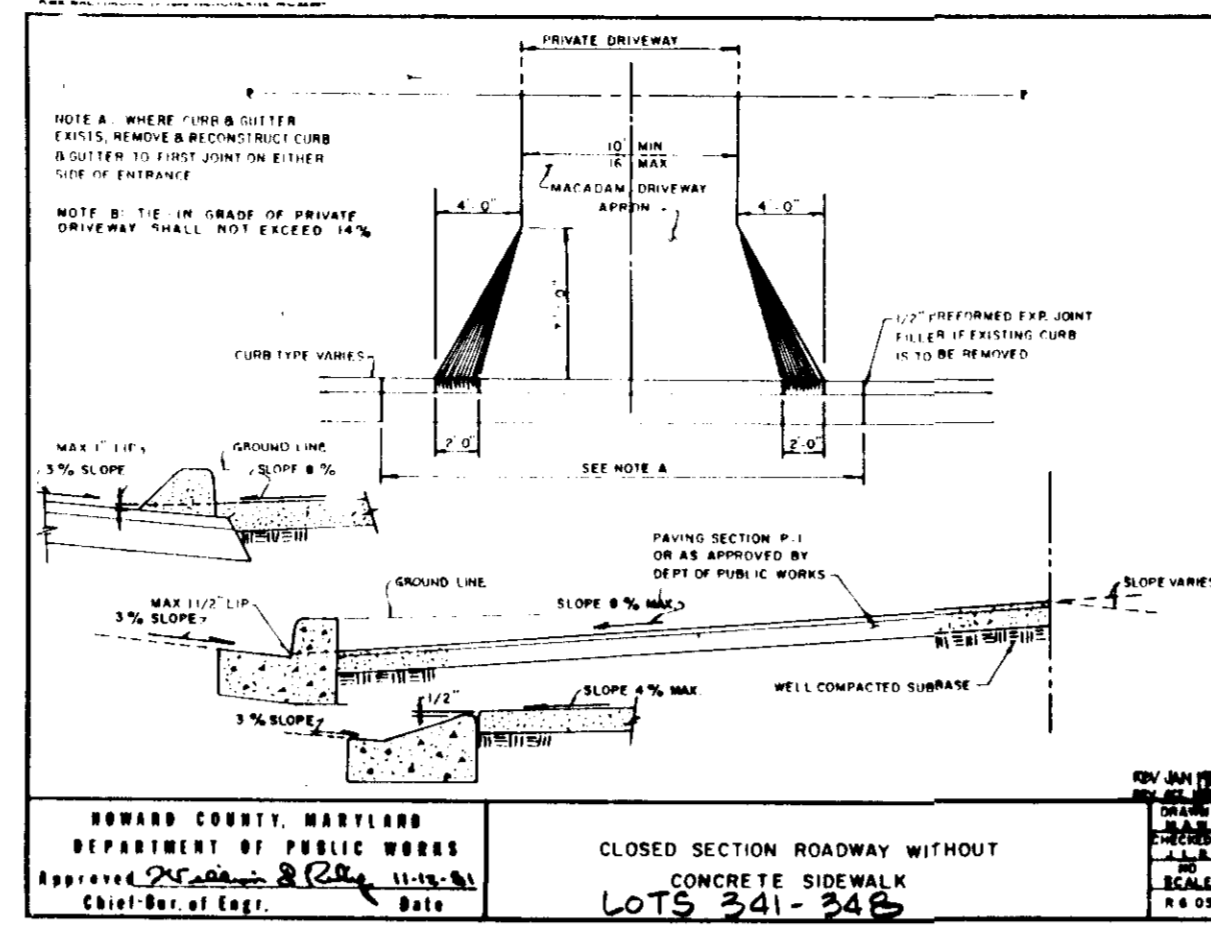
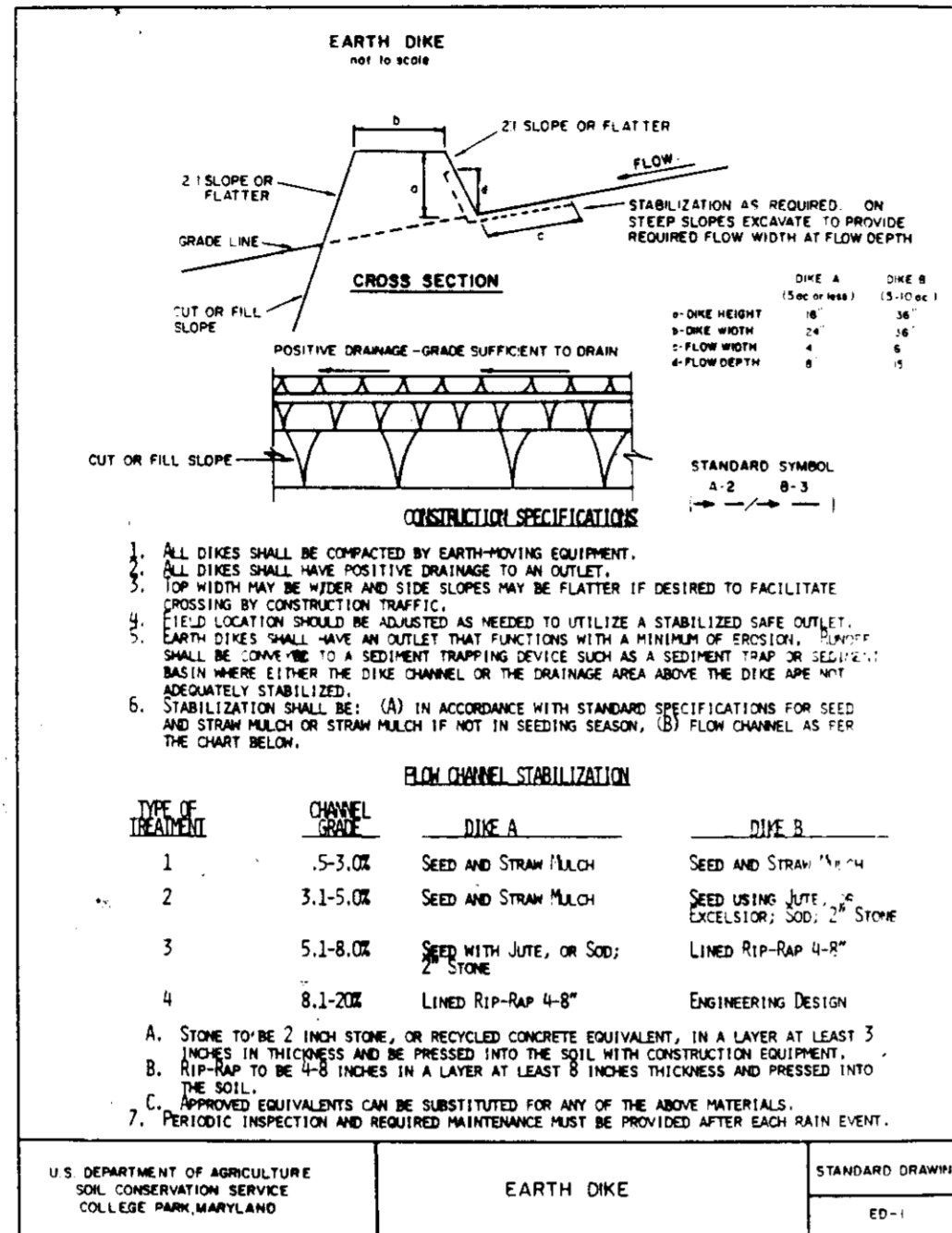
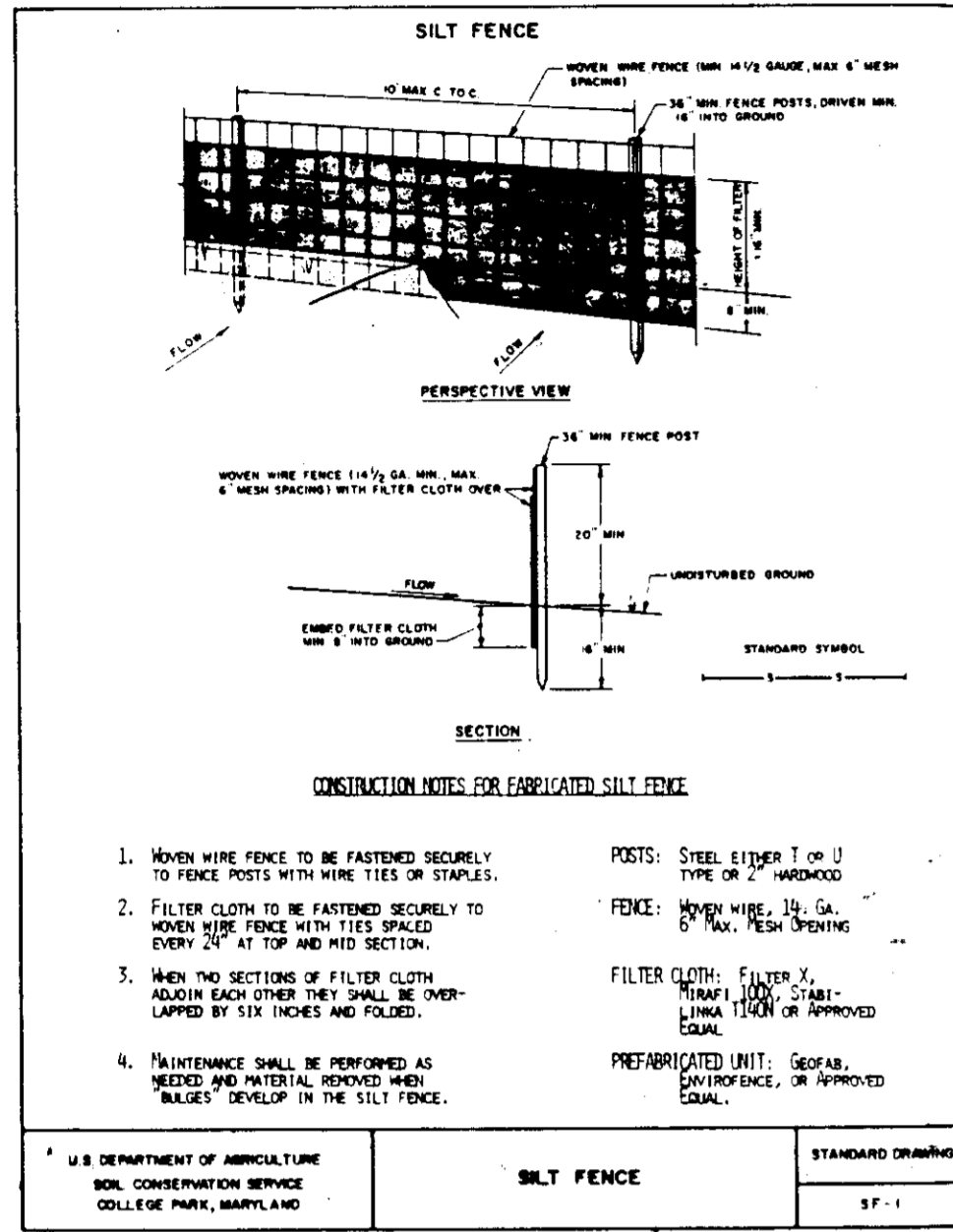
MILDENBERG, MOCHI & ASSOCIATES, INC.
 ENGINEERS AND SURVEYORS
 3300 North Ridge Road, Suite 230, Bellicott City, Maryland 21043-3350
 (410) 461-0078
 D.C. Metro: (301) 621-5788 Fax: (410) 756-6340

Owner/Developer

RYAN HOMES, Inc.
1829 REGISTERSTOWN ROAD, SUITE 220
BALTIMORE, MARYLAND 21208

Engineer/Surveyor

MILDENBERG, MOCHI & ASSOCIATES, Inc.
3300 N. RIDGE ROAD, SUITE 235
ELLCOTT CITY, MARYLAND 21043
(410) 461-0078



APPROVED: [Signatures and dates]
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
APPROVED: [Signatures and dates]
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
APPROVED: [Signatures and dates]
FOR PUBLIC WATER AND SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.
APPROVED: [Signatures and dates]
HOWARD COUNTY DEPT. OF PLANNING & ZONING.
APPROVED: [Signatures and dates]
FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

PLAN APPROVAL STAMP

Signature of Developer: [Signature]
Date: 5/28/93

PERMANENT SEEDING NOTES

Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.
Soil Amendments: In lieu of soil test recommendations, use on the following schedule.
1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) before seeding.
2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sf) before seeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.
Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf).
Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed with 60 lbs per acre (14 lbs/1000 sf) of Kentucky 31 Tall Fescue.
Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sf) of unrotted small grain straw immediately after seeding.

SEQUENCE OF OPERATIONS

Notify Sediment Control Division 48 hours prior to start of operations.
1. REFERENCE S-87-61-P-87-71, F-89-178, SDP-90-168, SDP-90-208.
2. Obtain Grading Permit and install Sediment & Erosion control devices & stabilize.
3. Excavate for foundations and rough grade and temporarily stabilize.
4. Construct structures, sidewalks, and driveways.
5. Final grade and stabilize in accordance with State & Specs.
6. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.

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.
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 disturbances 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 calendar days as to all other disturbed or graded areas on the project site.
4. 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 Seeding (Sec. 51) and 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.
5. 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.
6. Site Analysis:
Total Area of Site: 898 ac. TOTAL CUT: 7000 cu yd
Area to be Disturbed: 799 ac. TOTAL FILL: 2000 cu yd
Area to be graded or paved: 230 ac. OPPOSITE WASTE/BURROW AREA: N/A
Area to be vegetatively stabilized: 569 ac.
7. Any sediment control practices which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
8. Additional sediment controls must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
9. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his own quantity estimates to his/her satisfaction.



Table with columns: SUBDIVISION NAME, SECT./AREA, LOTS, PREVIOUS FILE, PLAT No., BLOCK No., ZONE, TAX MAP, ELEC. DIST., CENSUS, WATER CODE, SEWER CODE.

Table with columns: PROJECT, DATE, ILLUSTRATION, SCALE, DESCRIPTION, APPROVAL, REVISIONS.

Table with columns: PROJECT, DATE, ILLUSTRATION, SCALE, DESCRIPTION, APPROVAL, REVISIONS.

SECTION 1 AREA 6 LOTS 301 - 317 & 341 - 348
MONTGOMERY MEADOWS
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 1
SEDIMENT & EROSION CONTROL NOTES & DETAILS

MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
(410) 461-0078
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