

# BOWLING BROOK FARMS

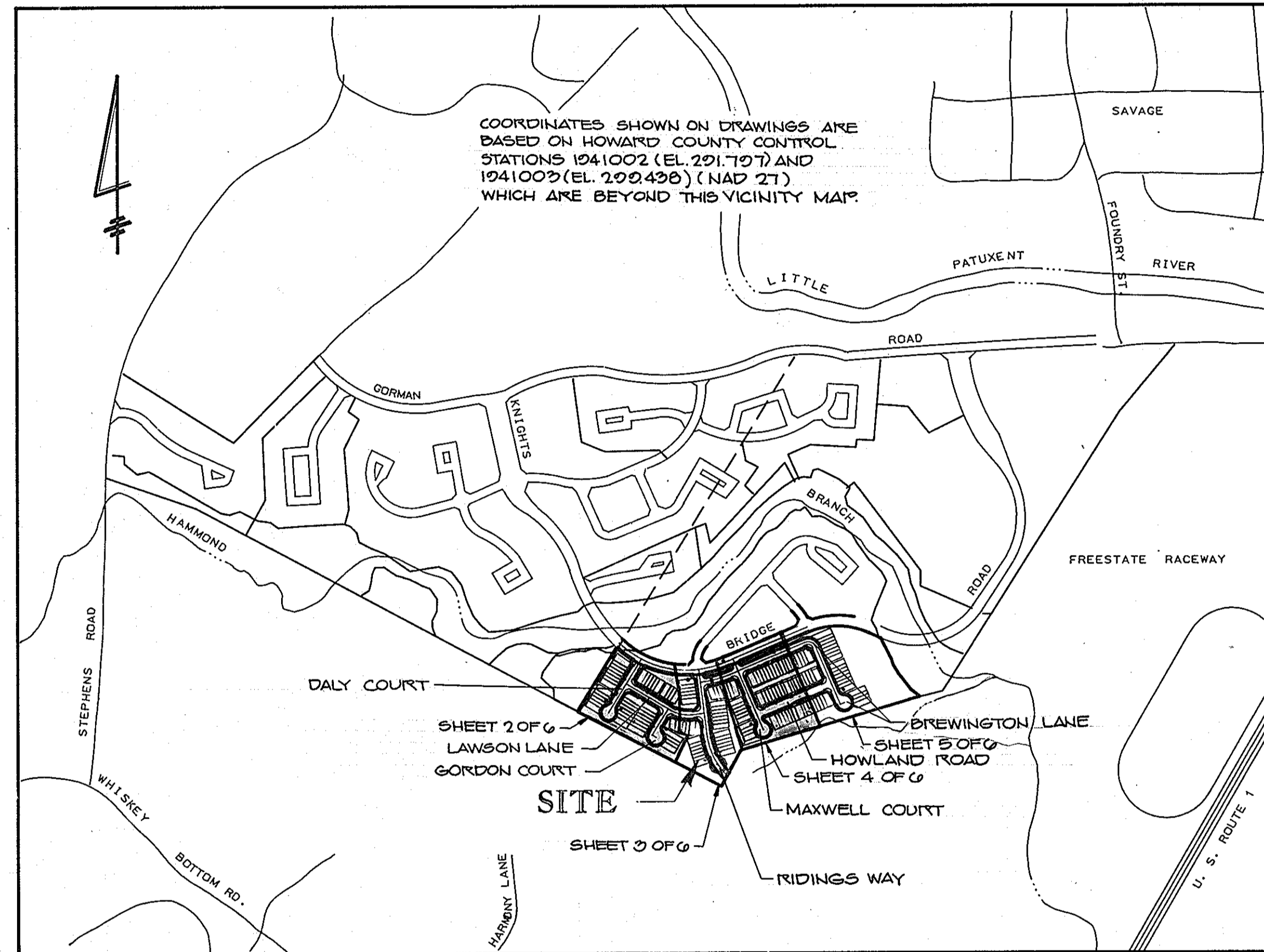
DEPARTMENT OF PUBLIC WORKS GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATION, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF CONSTRUCTION INSPECTION AT (301) 792-7272 AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- SEE DEPARTMENT OF PLANNING AND ZONING REFERENCE #. PB-196, VP-85-78, S-85-23, S-86-57, S-87-07, P-85-19, GP-89-25, F-88-194, S-92-12, WP 92-117, WP-92-119, SDP-92-102, F-92-150.
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- BOUNDARY SHOWN HEREON BASED ON SURVEY PREPARED BY CLARK, FINEFROCK AND SACKETT. TOPOGRAPHY SHOWN HEREON BASED ON FIELD RUN TOPO PREPARED BY CLARK, FINEFROCK AND SACKETT AND HARRIS, SMARIGA, MATZ, INC.
- VERTICAL AND HORIZONTAL CONTROL WAS DERIVED FROM THE FOLLOWING HOWARD COUNTY STATIONS:  
STA. 1941002 ELEV. 291.797  
STA. 1941003 ELEV. 299.438
- LIGHT POLES AND FIXTURES FOR STREET LIGHTS SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY DESIGN MANUAL, VOLUME III, ROADS AND BRIDGES.
- PUBLIC WATER AND SEWER TO BE PROVIDED FOR THIS SUBDIVISION. SEE CONTRACT NO. 24-3213-0.
- WATER QUALITY MANAGEMENT ONLY IS BEING PROVIDED BY TWO PONDS UTILIZING EXTENDED DETENTION AND SHALLOW MARSH DESIGN PRACTICE STORMWATER MANAGEMENT FOR WATER QUALITY HAS BEEN WAIVED.
- 100-YEAR FLOODPLAIN ELEVATIONS SHOWN HEREON ARE BASED ON THE HAMMOND BRANCH FLOOD STUDY, CAPITAL PROJECT D-G-1026.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICES.

### NOTES

- GARAGE SHALL BE USED FOR PARKING PURPOSES ONLY IN ACCORDANCE WITH SECTION 127.B.2.D.(18) OF THE ZONING REGULATIONS.
- NO HANDICAPPED SPACES PROVIDED PER INPUT BY HOMEOWNERS ASSOCIATION.
- THE TWO STORMWATER MANAGEMENT FACILITIES WERE APPROVED IN CONJUNCTION WITH F-92-150.
- MAXIMUM ALLOWABLE STRUCTURAL COVERAGE FOR ANY INDIVIDUAL LOT IS 60%.
- WATER AND SEWER CONTRACT #24-3213-0 DATED 10-15-92. WATER CODE C03; SEWER CODE 7270000.
- HIGH VISIBILITY PROTECTIVE FENCING HAS BEEN INSTALLED PER GRADING PLAN SDP-92-102 AND MUST REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN ADJACENT AREAS IS COMPLETE.
- ALL PROPOSED ROADS TO BE PUBLIC.
- EXISTING SIDEWALK ALONG KNIGHTS BRIDGE ROAD TO BE RETAINED IN CONFORMANCE TO CONSTRUCTION PLANS F-89-174.
- ALL DRIVEWAY APRONS TO BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAIL K-G.O.I.
- NO LANDSCAPING TO BE PLANTED IN LANDSCAPE BUFFER ALONG KNIGHTS BRIDGE ROAD EXCEPT THAT WHICH WAS APPROVED IN F-92-150.
- PLAN IS APPROVED FOR CURBSIDE REFUSE AND RECYCLEABLES COLLECTION. HOMES WITH COMMON PARKING AREAS MUST GROUP TRASH AND RECYCLEABLES FOR COLLECTION WITHIN THE GRASS ISLANDS. HOMES WITH DRIVEWAYS MAY PLACE TRASH AND RECYCLEABLES AT THE END OF THE DRIVEWAY FOR COLLECTION.
- GRADING & REMOVAL OF VEGETATION ARE PROHIBITED WITHIN THE 75' STREAMBANK BUFFER, EXCEPT AS APPROVED IN CONJUNCTION WITH WP-92-117.
- GARAGE UNITS & NON-GARAGE UNITS MAY NOT BE INTERCHANGED WITHOUT REVISIONS TO THE SDP.
- LOTS 18, 20, 41-46, 87-90, 122-125 & 141-140 DO NOT HAVE CELLARS OR BASEMENTS.

## PARCEL 'C'



VICINITY MAP  
SCALE: 1" = 600'

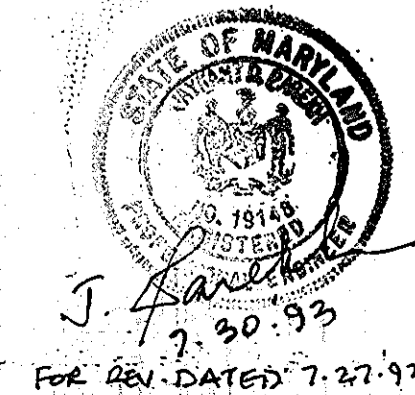
## SITE DEVELOPMENT PLAN

### SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

#### SEDIMENT AND EROSION CONTROL NOTICE

SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE CONTINUED AS DESCRIBED IN THE CONSTRUCTION SEQUENCE SHOWN ON SHEET 14 OF 20 OF F-92-150 PLANS. PLEASE NOTE THAT ALL GRADING AND STABILIZING SHOWN ON THESE PLANS MUST BE COMPLETE BEFORE CONVERTING PONDS TO WET PONDS WHICH INCLUDES LOWERING THE POND #1 RISER CREST REMOVING THE DEWATERING DEVICES FROM BOTH PONDS, INSTALLATION OF LOW FLOW PIPE AND STONE, AND PLANTING OF WETLAND VEGETATION IN POND BOTTOMS.

NOTE: 15. LOTS 1-4 TO BE SERVED BY EJECTOR PUMPS.  
16. SEWER HOUSE CONNECTIONS FOR LOTS 5, 8, & 9 TO BE CONSTRUCTED THROUGH A SLEEVE IN THE FOOTER PER DETAIL ON SHEET G OF G. THE MAIN WASTE STACK MUST BE LOCATED IN THE FRONT HALF OF THE UNIT.



FOR REV. DATED 7-27-93

ADDRESS CHART	
HOUSE NUMBER	STREET ADDRESS
127	0221 HOWLAND ROAD
128	0225
129	0223
130	0221
131	0219
132	0217
133	0215
134	0213
135	0211
136	0209
137	0207
138	0205
139	0203
140	0201
141	0228 BREWINGTON LANE
142	0226
143	0224
144	0222
145	0220
146	0218
147	0216
148	0214
149	0212
150	0210
151	0208
152	0206
153	0204
154	0202
155	0200

#### SITE ANALYSIS

- AREA OF PARCEL (GROSS): 20.1824AC. = 8791455.5 F.
- PRESENT ZONING: RSA-8
- PROPOSED USE OF STRUCTURES: SINGLE FAMILY ATTACHED
- TOTAL NUMBER OF UNITS ALLOWED: 169.78
- TOTAL NUMBER OF UNITS PROVIDED: 160
- MINIMUM S.F. FLOOR AREA OF UNIT: 560 S.F./FLOOR  
MINIMUM NUMBER OF FLOORS VARIES
- NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS: 160 UNITS X 2 SP/UNIT = 320 SPACES (REQUIRED 320)
- NUMBER OF PARKING SPACES PROVIDED ON SITE: 330 (REQUIRED 320)
- OPEN SPACE TO REMAIN ON SITE = 8.096AC.  
8.096 IS 40.12% OF THE NET AREA OF 20.18AC.
- BUILDING COVERAGE OF SITE: 2.65AC.  
2.65 IS 13.13% OF THE GROSS AREA OF 20.18AC.

PARKING TABULATIONS			
ROAD NAMES	STREET PARKING	DRIVEWAY PARKING	TOTAL PARKING
DALY COURT	29	11	40
LAWSON LANE	44	0	44
GORDON COURT	24	0	24
RIDINGS WAY	40	6	55
BREWINGTON LA.	57	20	77
MAXWELL COURT	16	4	20
HOWLAND ROAD	70	0	70
TOTAL	280	41	320

DATE	REVISION
7-27-93	REV. NOTE #14 ADDED NOTE 16 & 17

	<b>HARRIS, SMARIGA, MATZ, INC.</b> PLANNERS / ENGINEERS / SURVEYORS 104 CHURCH LANE, SUITE 100 BALTIMORE, MARYLAND 21208 (301) 486-1511	
	SCALE AS SHOWN DRAWING 1 OF 6 JOB NO. 40554 FILE NO.	
DESIGNED: A.M.V. DRAWN: CADD CHECKED: A.M.V. DATE: 11/19/92		
BOWLING BROOK FARMS PARCEL 'C' SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER DEVELOPER JAMES F. KNOTT DEVELOPMENT CORPORATION 110 WEST ROAD, SUITE 203 TOWSON, MARYLAND 21284 (410) 321-1000		
SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
BOWLING BROOK FARMS		PARCEL C
PLAT OR L/F	BLOCK	ZONE
10026-100	10	RSA-8
TAX/ZONE MAP	ELEC. DIST.	CENSUS TR
47	6	8663
WATER CODE	SEWER CODE	
003	7270000	

ADDRESS CHART			
HOUSE NUMBER	STREET ADDRESS	HOUSE NUMBER	STREET ADDRESS
1	0300 DALY COURT	64	0231 RIDINGS WAY
2	0302	65	0229
3	0304	66	0227
4	0306	67	0225
5	0308	68	0223
6	0310	69	0221
7	0312	70	0219
8	0314	71	0217
9	0316	72	0215
10	0318	73	0213
11	0320	74	0211
12	0322	75	0209
13	0324	76	0207
14	0326	77	0205 BREWINGTON LANE
15	0327	78	0201
16	0325	79	0219
17	0323	80	0217
18	0321	81	0215
19	0319	82	0213
20	0317	83	0211
21	0315	84	0209
22	0313	85	0207
23	0300 GORDON COURT	86	0205
24	0302	87	0203
25	0304	88	0201
26	0306	89	0200
27	0308	90	0200
28	0310	91	0200
29	0312	92	0200
30	0314	93	0200
31	0320 LAWSON LANE	94	0200
32	0322	95	0200
33	0324	96	0200
34	0324	97	0200
35	0322	98	0200
36	0320	99	0200
37	0318	100	0200 HOWLAND ROAD
38	0316	101	0202
39	0314	102	0204
40	0312	103	0206
41	0300 RIDINGS WAY	104	0208
42	0302	105	0210
43	0304	106	0212
44	0306	107	0214
45	0308	108	0216
46	0310	109	0218
47	0312	110	0220
48	0314	111	0222
49	0316	112	0224
50	0318	113	0226
51	0320 LAWSON LANE	114	0228
52	0300	115	0230
53	0302	116	0232
54	0304	117	0234
55	0306	118	0236
56	0308	119	0238
57	0310 RIDINGS WAY	120	0240
58	0312	121	0242
59	0314	122	0244
60	0316	123	0246
61	0318	124	0248
62	0320	125	0250
63	0322	126	0252 HOWLAND ROAD

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

*James M. ...* 1-21-93  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*David Mcknew* 1/22/93  
DATE

*James M. ...* 1/22/93  
DATE

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

*James M. ...* 1/14/93  
DIRECTOR DATE

*James M. ...* 1-13-93  
CHIEF BUREAU OF ENGINEERING DATE



SEDIMENT AND EROSION CONTROL NOTES

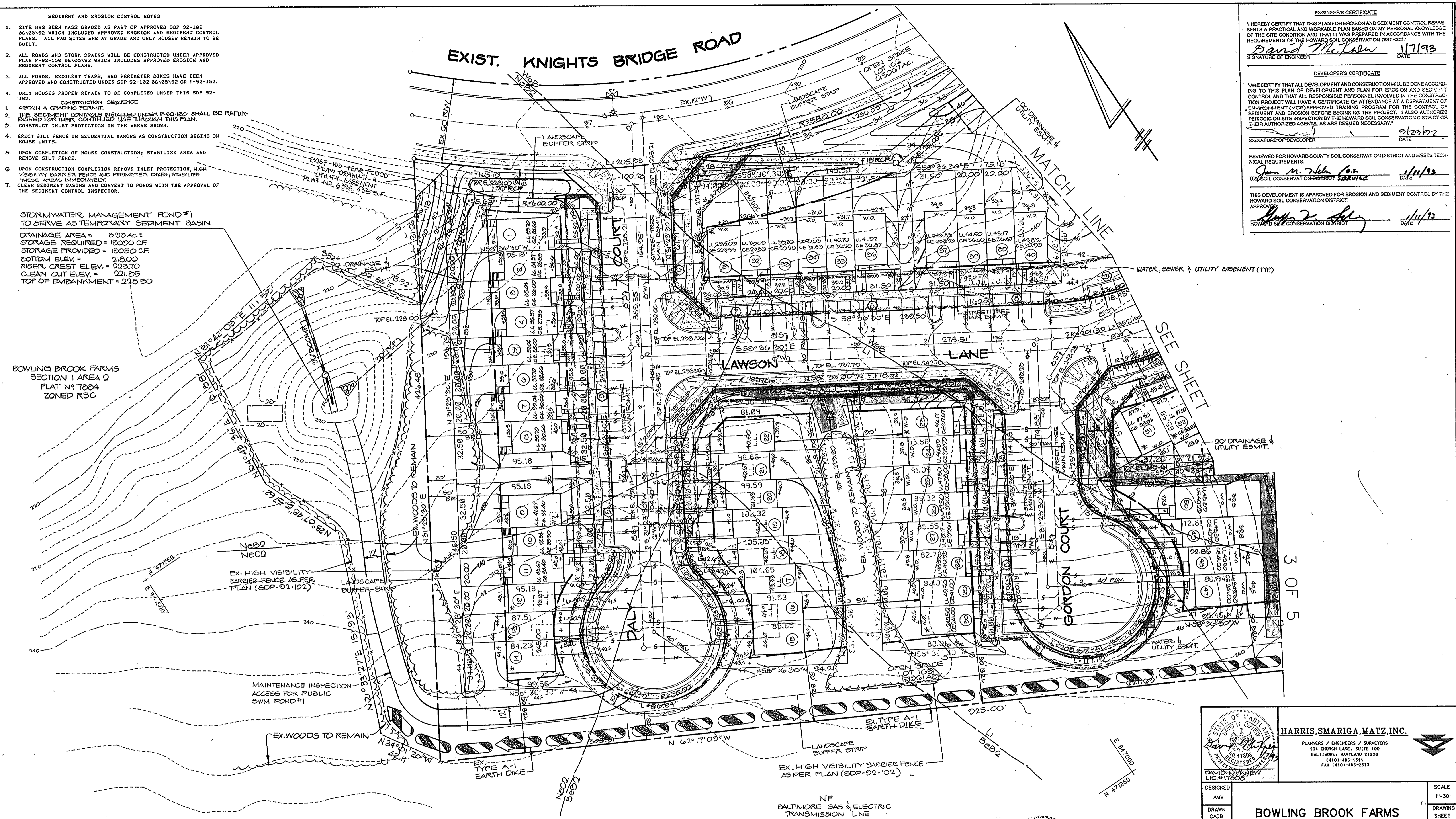
1. SITE HAS BEEN MASS GRADED AS PART OF APPROVED SDP 92-102 06/05/92 WHICH INCLUDED APPROVED EROSION AND SEDIMENT CONTROL PLANS. ALL PAD SITES ARE AT GRADE AND ONLY HOUSES REMAIN TO BE BUILT.
  2. ALL ROADS AND STORM DRAINS WILL BE CONSTRUCTED UNDER APPROVED PLAN F-92-150 06/05/92 WHICH INCLUDES APPROVED EROSION AND SEDIMENT CONTROL PLANS.
  3. ALL PONDS, SEDIMENT TRAPS, AND PERIMETER DIKES HAVE BEEN APPROVED AND CONSTRUCTED UNDER SDP 92-102 06/05/92 OR F-92-150.
  4. ONLY HOUSES PROPER REMAIN TO BE COMPLETED UNDER THIS SDP 92-102.
- CONSTRUCTION SEQUENCE
1. OBTAIN A GRADING PERMIT.
  2. THE SEDIMENT CONTROLS INSTALLED UNDER F-92-150 SHALL BE REPAIR/REMOVED FOR THEIR CONTINUED USE THROUGH THIS PLAN.
  3. CONSTRUCT INLET PROTECTION IN THE AREAS SHOWN.
  4. ERECT SILT FENCE IN SEQUENTIAL HANDS AS CONSTRUCTION BEGINS ON HOUSE UNITS.
  5. UPON COMPLETION OF HOUSE CONSTRUCTION; STABILIZE AREA AND REMOVE SILT FENCE.
  6. UPON CONSTRUCTION COMPLETION REMOVE INLET PROTECTION, HIGH VISIBILITY BARRIER FENCE AND PERIMETER DIKES; STABILIZE THESE AREAS IMMEDIATELY.
  7. CLEAN SEDIMENT BASINS AND CONVERT TO PONDS WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.

STORMWATER MANAGEMENT FOND #1 TO SERVE AS TEMPORARY SEDIMENT BASIN

DRAINAGE AREA = 0.70 AC.  
 STORAGE REQUIRED = 10000 CF  
 STORAGE PROVIDED = 15050 CF  
 BOTTOM ELEV. = 218.00  
 RISER CREST ELEV. = 225.70  
 CLEAN OUT ELEV. = 221.05  
 TOP OF EMBANKMENT = 228.50

BOWLING BROOK FARMS SECTION 1 AREA 2 PLAT N° 7004 ZONED R5C

EXIST. KNIGHTS BRIDGE ROAD



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 CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 Signature of Engineer: *David M. Chalmers* DATE: 11/19/92

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 DEPARTMENT OF ENVIRONMENT (MCE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.  
 Signature of Developer: *James F. Knott* DATE: 11/19/92

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 Signature: *James M. Zehn* DATE: 11/19/92  
 U.S. SOIL CONSERVATION DISTRICT SERVICE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 Signature: *Howard County Seal* DATE: 11/19/92  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT  
 Signature: *Joseph M. Boyles* DATE: 1-21-93

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Signature: *James F. Knott* DATE: 11/22/92  
 Signature: *Thomas P. Fritson* DATE: 1/30/93

APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Signature: *James M. Chalmers* DATE: 11/19/92  
 Signature: *William S. R. ...* DATE: 1-13-93

MODEL RESTRICTION NOTE  
 \* LOTS 12, 10, & 92 TO BE FORESTVILLE OR EVERGREEN MODELS  
 LOTS 14, 01, & 91 TO BE EVERGREEN FORESTVILLE, ROSEWOOD, & SHERWOOD  
 LOTS 23 & 30 TO BE EVERGREEN, FORESTVILLE, & GREENFIELD

- NOTES:  
 LL = LOWER LEVEL ELEVATION  
 CE = MINIMUM CELLAR ELEVATION AS SHOWN ON WATER & SEWER DRAWINGS.  
 -W- WATER HOUSE CONNECTION  
 -S- SEWER HOUSE CONNECTION

DATE	REVISION
7-21-92	REV. GRADING FIELDS - ELEV. LOTS 111, 91, 92

STATE OF MARYLAND PROFESSIONAL ENGINEER  
 Signature: *David M. Chalmers* LIC. # 17806

HARRIS, SMARIGA, MATZ, INC.  
 PLANNERS / ENGINEERS / SURVEYORS  
 104 CHURCH LANE, SUITE 100  
 BALTIMORE, MARYLAND 21208  
 (410) 486-1511  
 FAX (410) 486-2513

DESIGNED: AMV  
 DRAWN: CDD  
 CHECKED: AMV  
 DATE: 11/19/92

SCALE: 1"=30'  
 DRAWING SHEET: 2 OF 6  
 JOB NO.: 40554  
 FILE NO.:

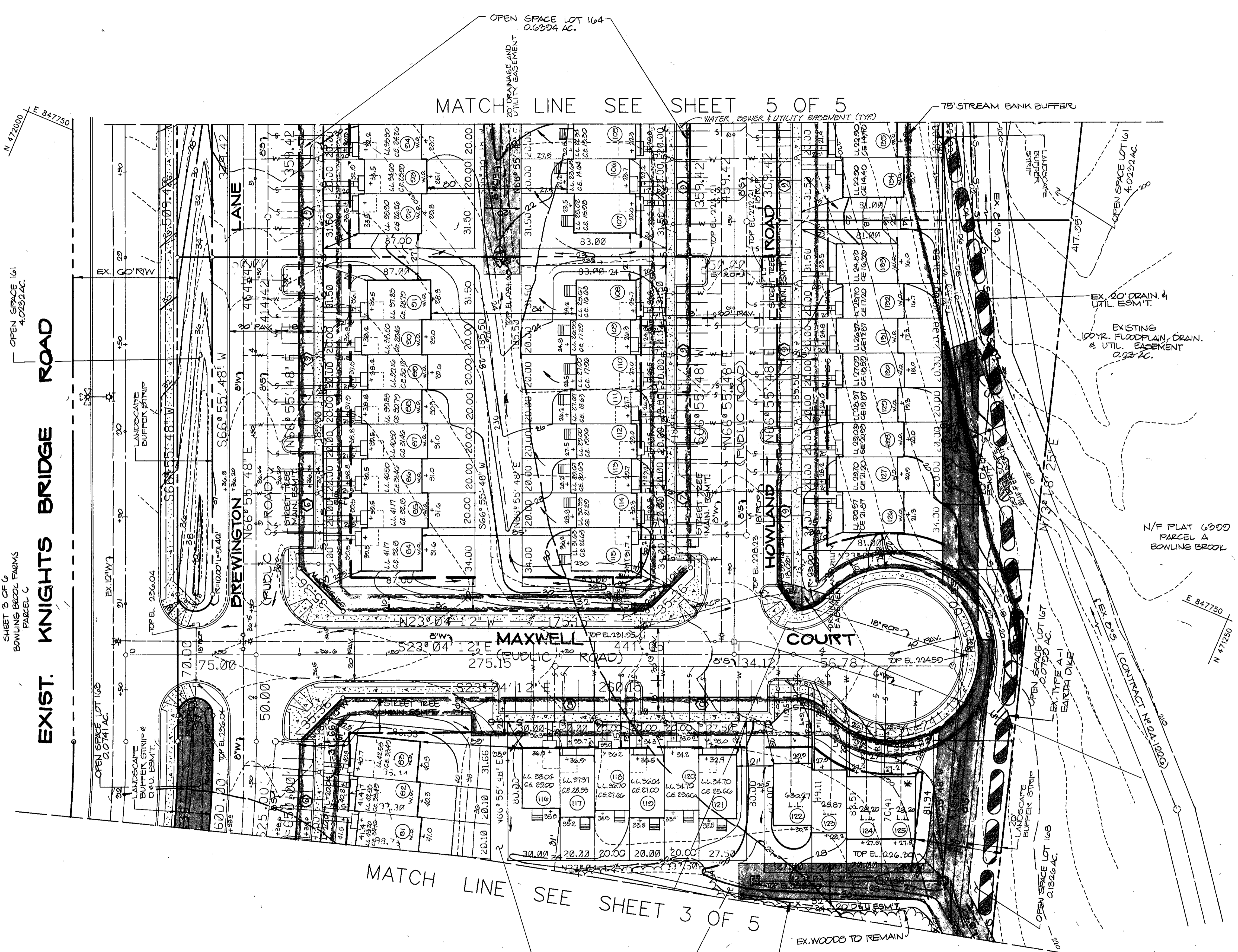
BOWLING BROOK FARMS PARCEL C

SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

OWNER DEVELOPER  
 JAMES F. KNOTT DEVELOPMENT CORPORATION  
 110 WEST ROAD, SUITE 203  
 TOWSON, MARYLAND 21204  
 (410) 321-1000

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
BOWLING BROOKS FARMS		PARCEL C
PLAT * OR L/F	BLOCK	ZONE
10626-10640	1G	RSA-8
TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
47	6TH	6063
WATER CODE	SEWER CODE	
000	7270000	





**APPROVED:** FOR PUBLIC WATER AND SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
*James M. Smith* 1-21-93  
COUNTY HEALTH OFFICER DATE

**APPROVED:** HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*Simona L. Howard* 1/22/93  
DIRECTOR DATE  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

**APPROVED:** FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James M. Smith* 1/14/93  
DIRECTOR DATE  
*Thomas S. Ryan* 1-19-93  
CHIEF BUREAU OF ENGINEERING DATE

**MODEL RESTRICTION NOTE**  
\* LOT 125 TO BE EVERGREEN, FORESTVILLE, & GREENFIELD

NOTES:  
LL = LOWER LEVEL ELEVATION  
CE = MINIMUM CELLAR ELEVATION AS SHOWN ON APPROVED WATER & SEWER DRAWINGS.  
-W- WATER HOUSE CONNECTION  
-S- SEWER HOUSE CONNECTION

**NOTE:**  
GRADING & REMOVAL OF VEGETATION ARE PROHIBITED WITHIN THE 75' STREAM BANK BUFFER, EXCEPT AS APPROVED IN CONJUNCTION W/ WP-92-117.

DATE	REVISION
7-27-93	REV. GRADING & BLDG. ELEV. LOTS 81-92 & 105-121

**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 CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*David M. Fahn* 1/17/93  
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 DEPARTMENT OF ENVIRONMENT (MCE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.  
*James M. Smith* 1/22/93  
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*James M. Smith* 1/14/93  
U.S. SOIL CONSERVATION DISTRICT DISTRICT ENGINEER DATE

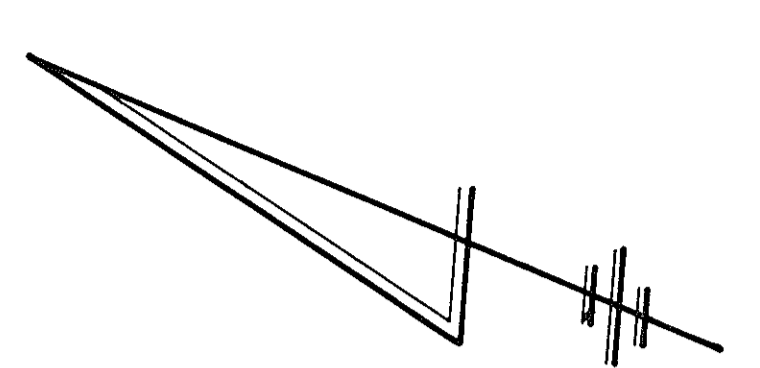
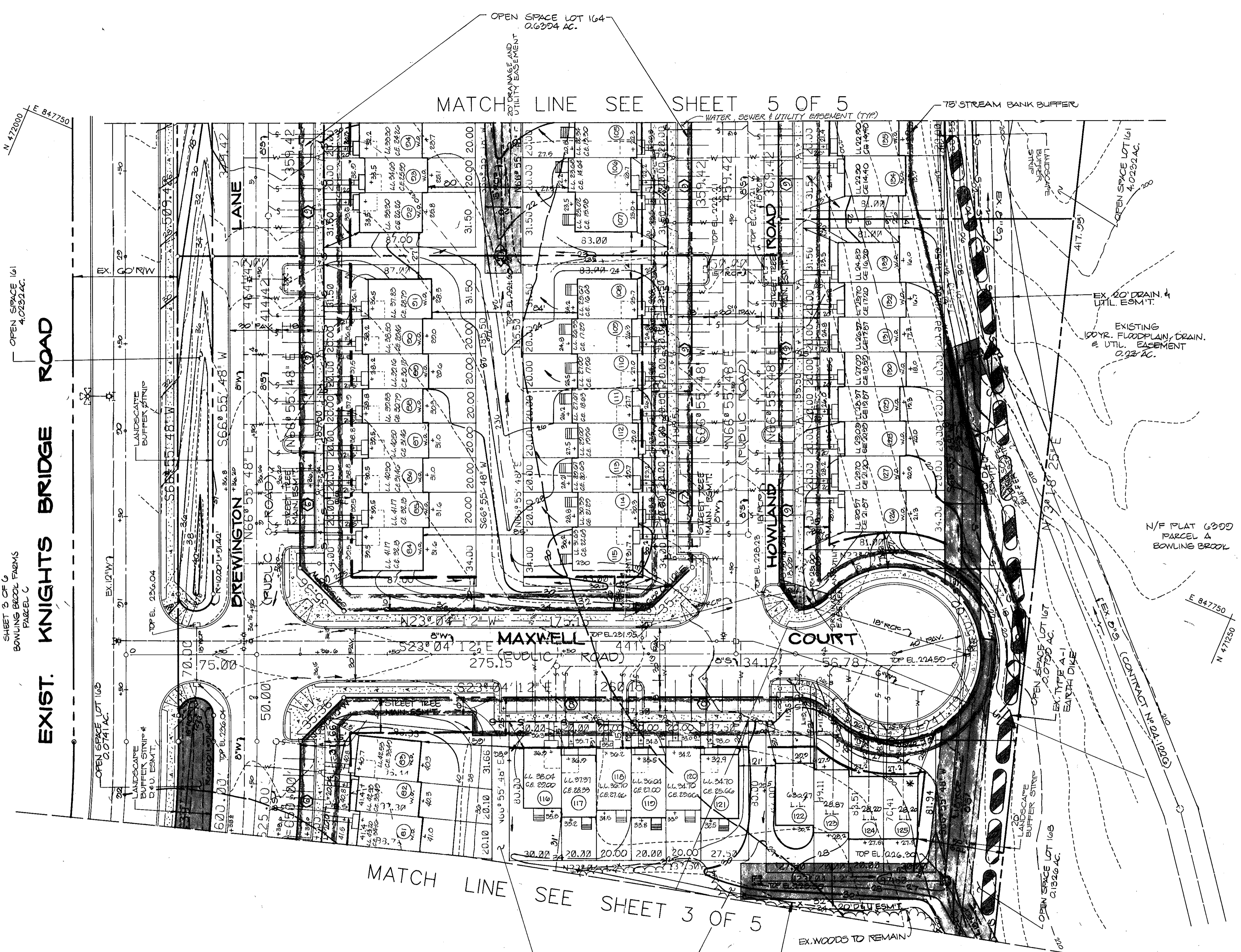
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Mark J. Smith* 1/14/93  
HOWARD SOIL CONSERVATION DISTRICT DATE

**HARRIS, SMARIGA, MATZ, INC.**  
PLANNERS / ENGINEERS / SURVEYORS  
104 CHURCH LANE, SUITE 100  
BALTIMORE, MARYLAND 21208  
(410) 486-5511  
FAX (410) 486-2573

*David M. Fahn* 1/17/93  
DAVID MCKINNEY LIC #17000

DESIGNED ALV	SCALE 1"=30'
DRAWN CADD	DRAWING SHEET # OF G
CHECKED ALV	JOB NO. 40554
DATE 11/19/92	FILE NO.
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
OWNER DEVELOPER JAMES F. KNOTT DEVELOPMENT CORPORATION 110 WEST ROAD, SUITE 203 TOWSON, MARYLAND 21284 (410) 321-1000	
SUBDIVISION NAME BOWLING BROOKS FARMS	SECT./AREA LOT/PARCEL PARCEL C
PLAT • OR L/F/BLOCK • 10686-10690 1G	TAX/ZONE MAP ELEC. DIST. CENSUS TR RSA-8 47 6TH 6063
WATER CODE 000	SEWER CODE 7270000





**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 CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 David McKnew  
 SIGNATURE OF ENGINEER 1/7/93  
 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 DEPARTMENT OF ENVIRONMENT (MCE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.  
 David McKnew  
 SIGNATURE OF DEVELOPER 9/29/92  
 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 James M. Zick  
 U.S. SOIL CONSERVATION DISTRICT STATE OFFICER 1/6/93  
 DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: [Signature]  
 HOWARD SOIL CONSERVATION DISTRICT 1/6/93  
 DATE

**HARRIS, SMARIGA, MATZ, INC.**  
 PLANNERS / ENGINEERS / SURVEYORS  
 104 CHURCH LANE, SUITE 100  
 BALTIMORE, MARYLAND 21208  
 (410) 486-5511  
 FAX (410) 486-2513

DAVID MCKNEW  
 LIC #17000

**APPROVED:** FOR PUBLIC WATER AND SEWERAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT  
 [Signature] 1-21-93  
 COUNTY HEALTH OFFICER DATE

**APPROVED:** HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 [Signature] 1/22/93  
 DIRECTOR DATE

**APPROVED:** FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 [Signature] 1/14/93  
 DIRECTOR DATE

[Signature] 1-15-93  
 CHIEF BUREAU OF ENGINEERING DATE

**MODEL RESTRICTION NOTE**  
 \* LOT 125 TO BE EVERGREEN, FORESTVILLE, & GREENFIELD

**NOTE:**  
 GRADING & REMOVAL OF VEGETATION ARE PROHIBITED WITHIN THE 75' STREAM BANK BUFFER, EXCEPT AS APPROVED IN CONJUNCTION W/ WP-92-117.

**NOTES:**  
 LL = LOWER LEVEL ELEVATION  
 CE = MINIMUM CELLAR ELEVATION AS SHOWN ON APPROVED WATER & SEWER DRAWINGS.  
 W = WATER HOUSE CONNECTION  
 S = SEWER HOUSE CONNECTION

DATE	REVISION
7-27-93	REV. GRADING & BLDG. ELEV. LOTS 81-92 & 105-121

DESIGNED ALV	SCALE 1"=30'	
DRAWN CDD	DRAWING SHEET # OF G	
CHECKED ALV	JOB NO. 40554	
DATE 11/19/92	FILE NO.	
<b>BOWLING BROOK FARMS</b> PARCEL C SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
<b>OWNER DEVELOPER</b> JAMES F. KNOTT DEVELOPMENT CORPORATION 110 WEST ROAD, SUITE 203 TOWSON, MARYLAND 21204 (410) 321-1000		
SUBDIVISION NAME BOWLING BROOKS FARMS	SECT./AREA 47	LOT/PARCEL PARCEL C
PLAT • OR L/F BLOCK • 10686-10680 IG	ZONE RSA-8	TAX/ZONE MAP 47
ELEC. DIST. 6TH	CENSUS TR 8063	
WATER CODE 000	SEWER CODE 7270000	

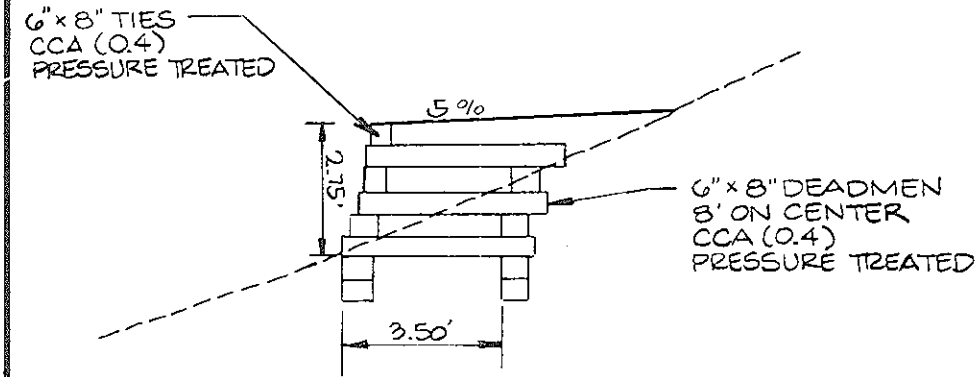
[Seal of the State of Maryland]  
 J. [Signature]  
 7-30-93  
 FOR REV. DATED 7-27-93



**EX. SEDIMENT BASIN #2**

DRAINAGE AREA = 12.95 AC ±  
 STORAGE REQUIRED = 22590 CF  
 STORAGE PROVIDED = 25125 CF  
 BOTTOM ELEVATION = 187.50  
 RISE/1 CREST ELEVATION = 194.00  
 TOP OF EMBANKMENT ELEVATION = 198.00  
 CLEAN OUT ELEVATION = 191.00  
 AVG TOP DIMENSIONS @ ELEV. 194' = 75' x 85'  
 AVG BOTTOM DIMENSIONS @ ELEV. 188' = 40' x 50'

NOTE:  
 RISE/1 IS TO BE LOWERED TO ELEV. 192.50 WHEN  
 BASIN IS CONVERTED TO PERMANENT POND.



RETAINING WALL SECTION A-A

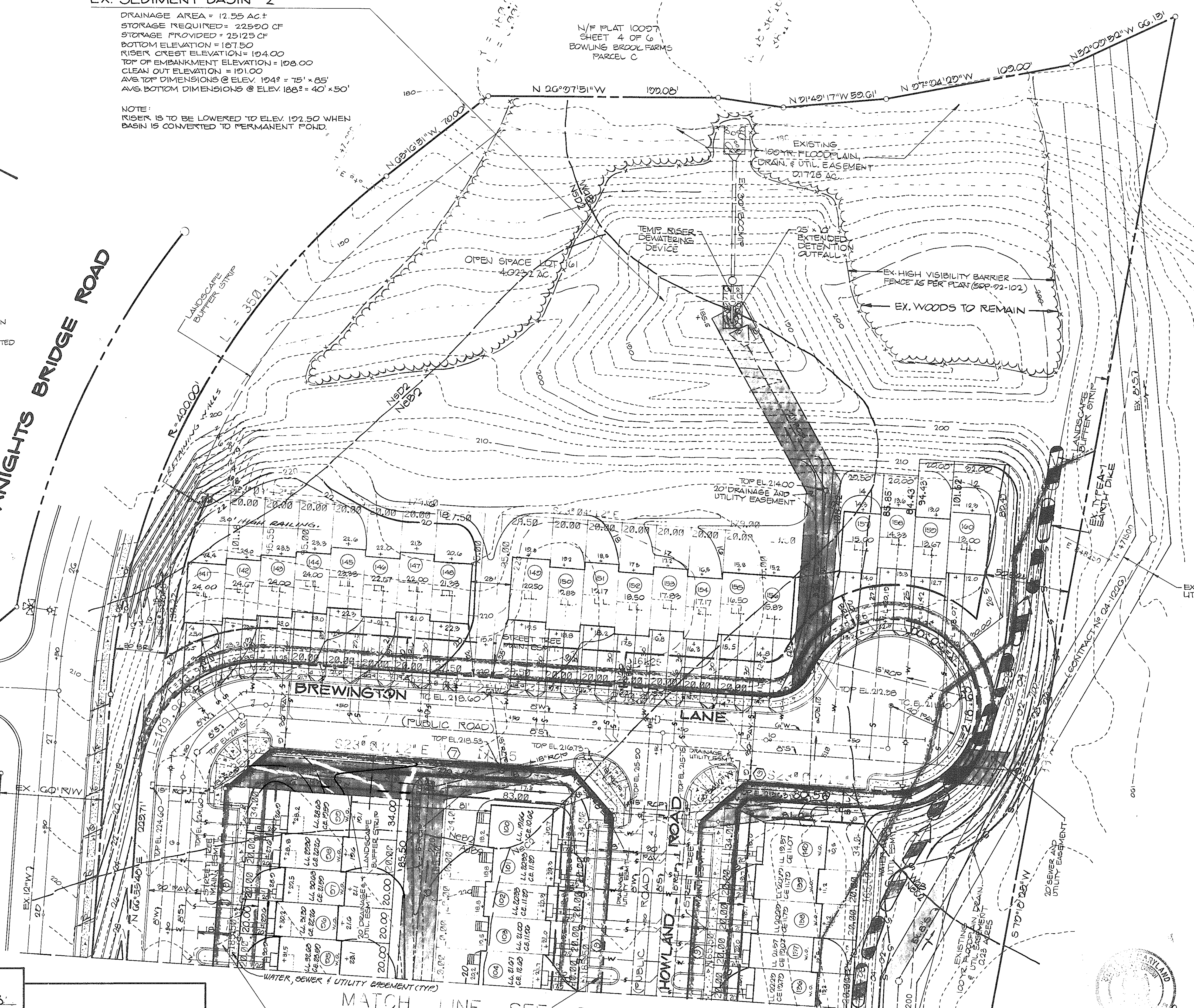
EXIST. KNIGHTS BRIDGE ROAD

EXIST. BURLEY LANE

N/F PLAT 10006  
 SHEET 3 OF 6  
 BOWLING BROOK FARMS  
 PARCEL C

N/F PLAT 10007  
 SHEET 4 OF 6  
 BOWLING BROOK FARMS  
 PARCEL C

N/F PLAT 0000  
 PARCEL A  
 BOWLING BROOK



**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 CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 Signature of Engineer: *David McInerney* 1/7/93  
 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 DEPARTMENT OF ENVIRONMENT (DOE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.  
 Signature of Developer: *James M. Smariga* 1/14/93  
 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 Signature: *James M. Smariga* 1/14/93  
 DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 Signature: *John E. Smith* 1/16/93  
 DATE

**APPROVED:** FOR PUBLIC WATER AND SEWERAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer: *Joseph Borgelle* 1-27-93  
 DATE

**APPROVED:** HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Director: *Thomas J. Brown* 1/27/93  
 DATE

**APPROVED:** FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *Thomas J. Brown* 1/27/93  
 DATE

Chief Bureau of Engineering: *William S. Rupp* 1-13-93  
 DATE

MATCH LINE SEE SHEET 4 OF 5

W - WATER HOUSE CONNECTION  
 S - SEWER HOUSE CONNECTION

NOTE:  
 GRADING & REMOVAL OF VEGETATIVE ARE PROHIBITED WITHIN THE 75' STREAMBANK BUFFER, EXCEPT AS APPROVED IN CONJUNCTION WITH WP-92-117.

NOTES:  
 LL = LOWER LEVEL ELEVATION  
 CE = MINIMUM CELLAR ELEVATION AS SHOWN ON APPROVED WATER & SEWER ELEVATION.  
 NO MODEL RESTRICTION REQUIRED ON THIS SHEET.

DATE	REVISION
7-18-92	TIER RETAINING WALLS LOT # 111
7-27-92	REV. GRADING & BUILDING ELEV. LOTS #5-102

**HARRIS, SMARIGA, MATZ, INC.**  
 PLANNERS / ENGINEERS / SURVEYORS  
 104 CHURCH LANE, SUITE 100  
 BALTIMORE, MARYLAND 21208  
 (410) 486-1511  
 FAX (410) 486-2513

**BOWLING BROOK FARMS**  
 PARCEL C

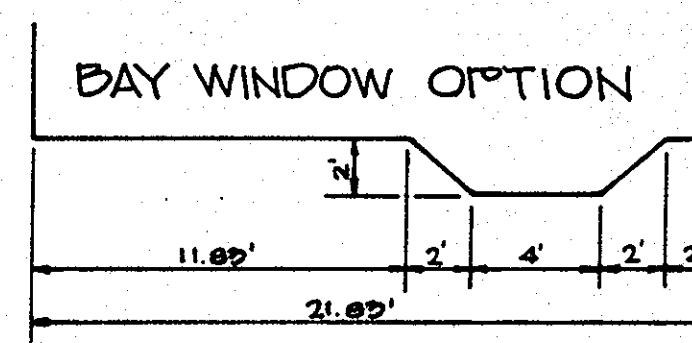
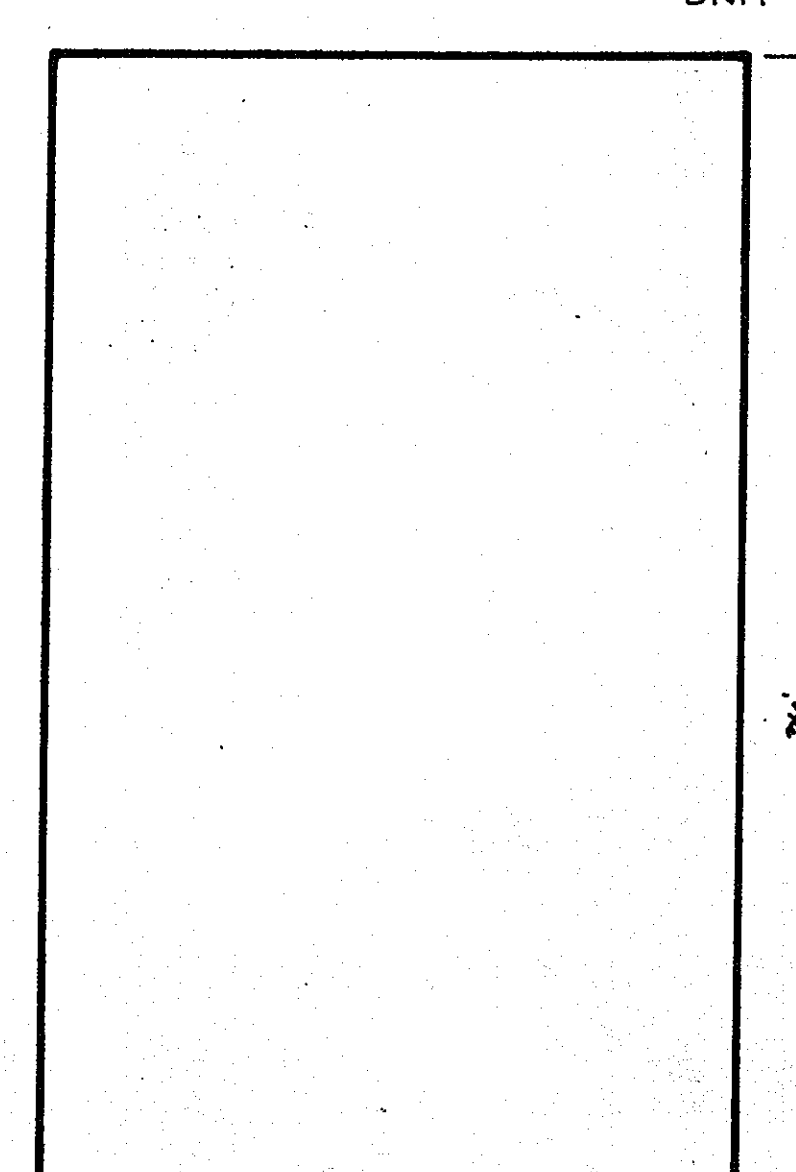
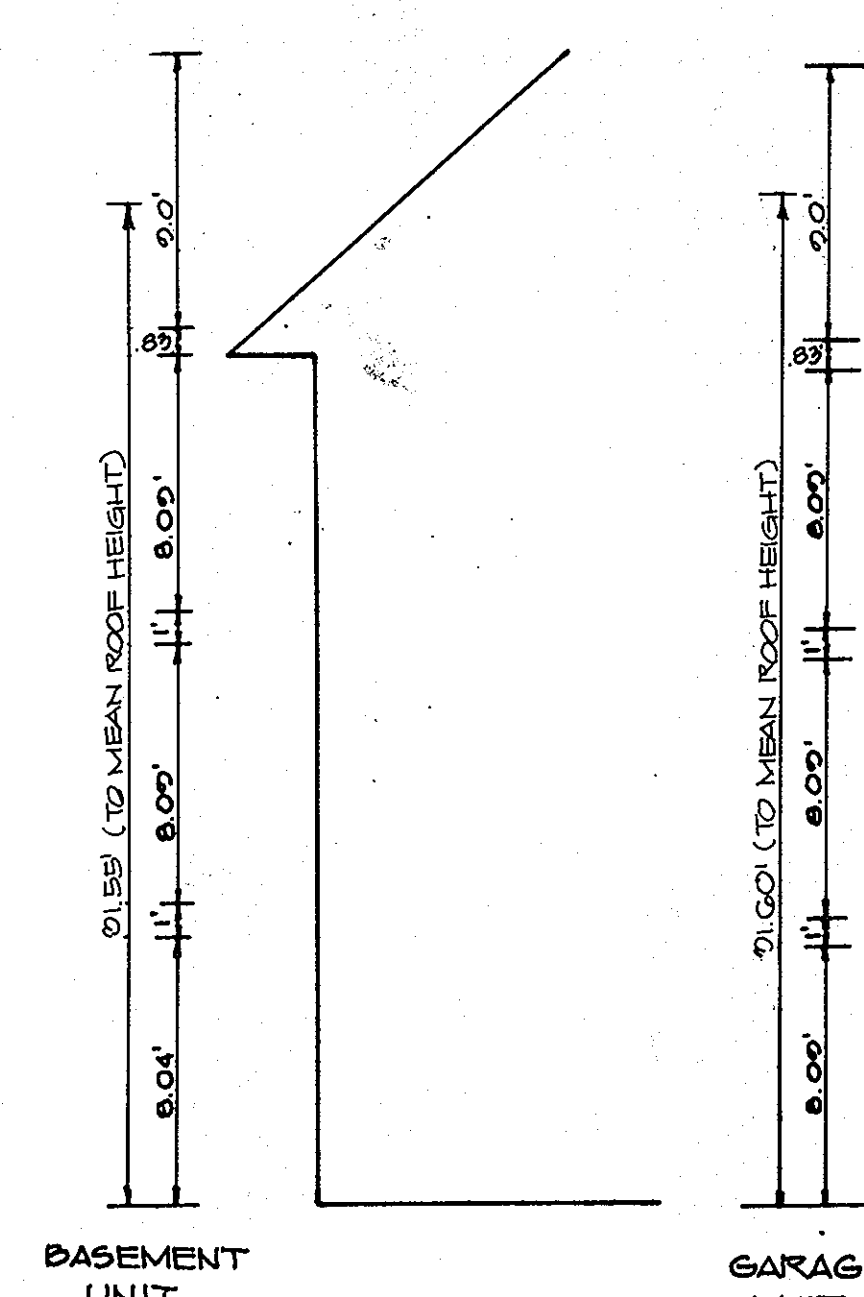
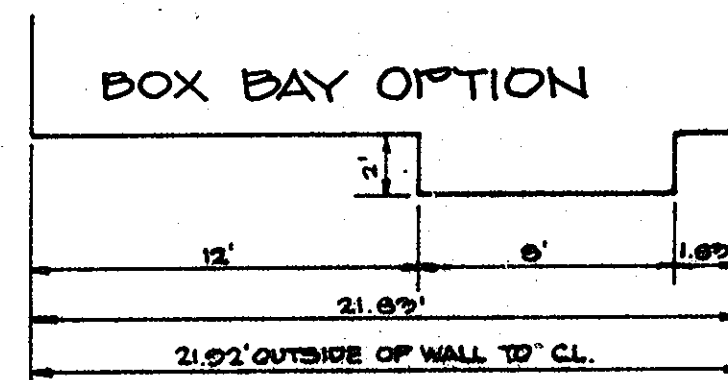
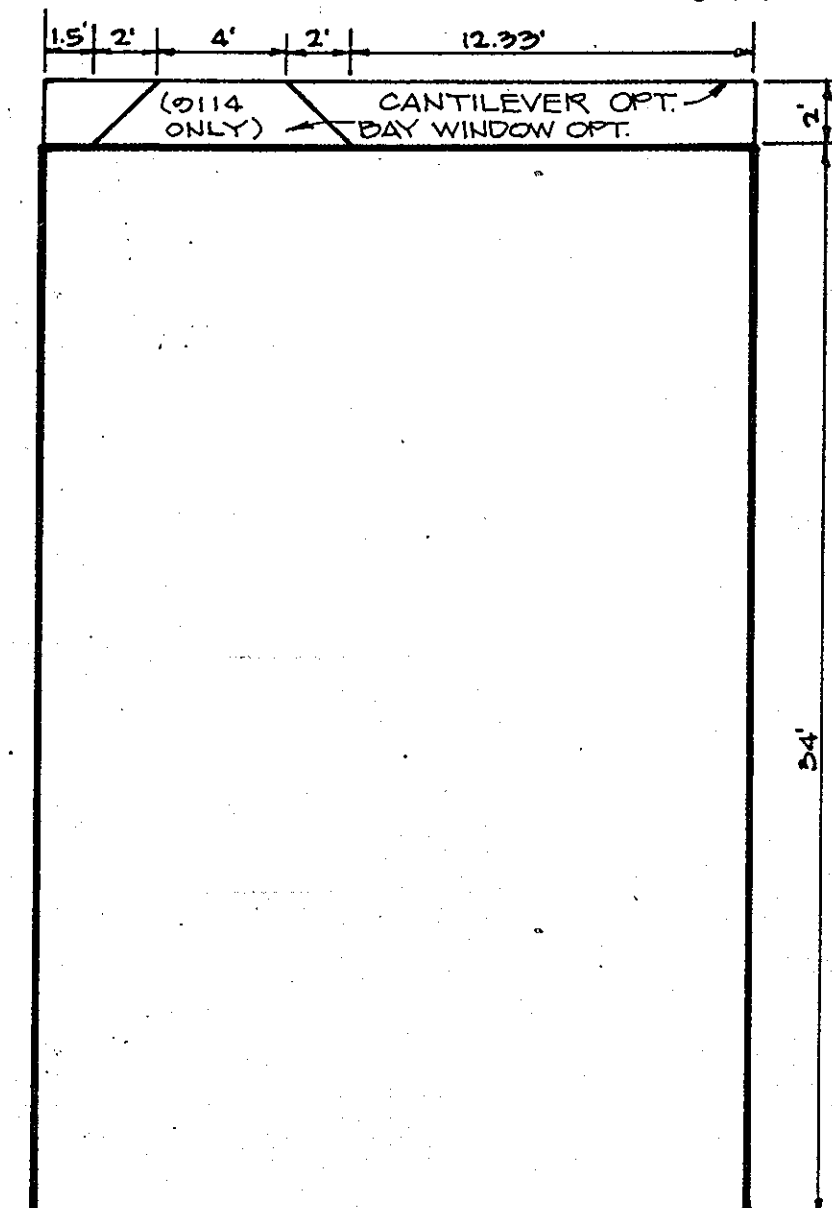
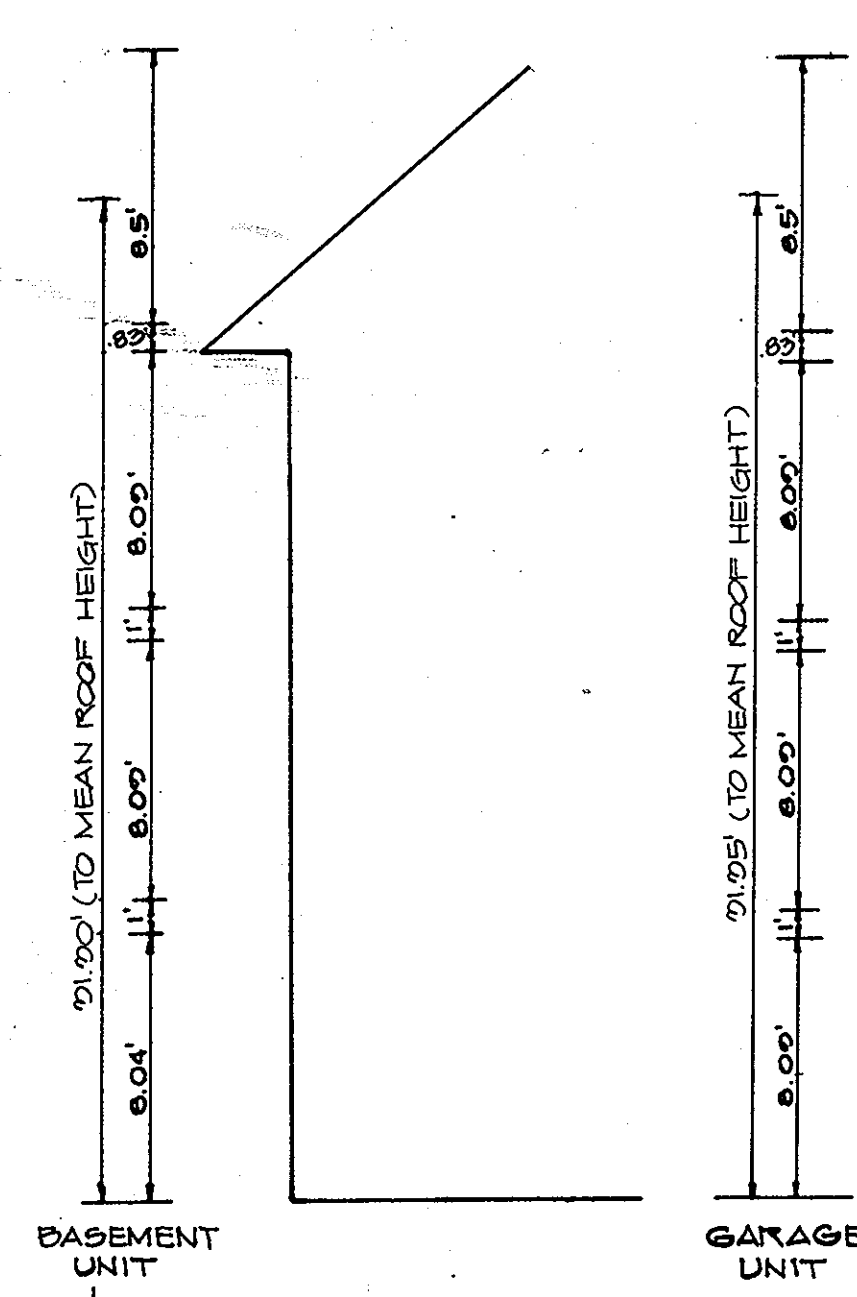
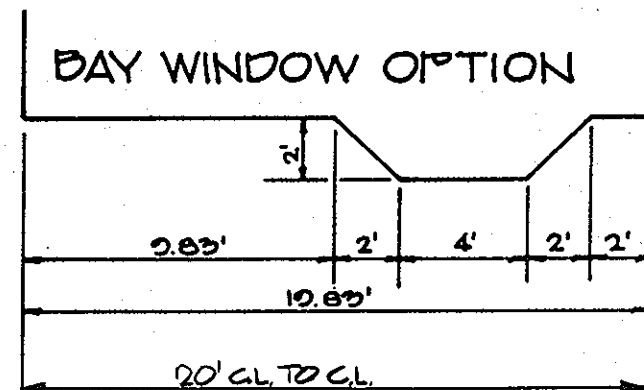
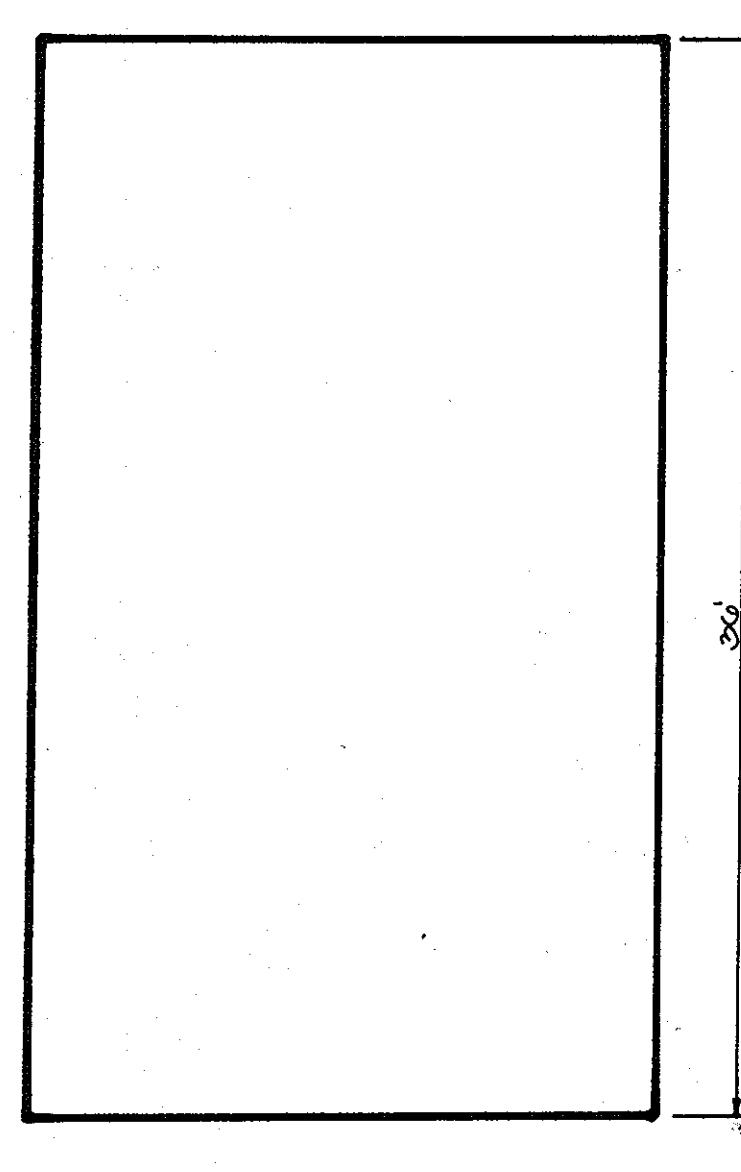
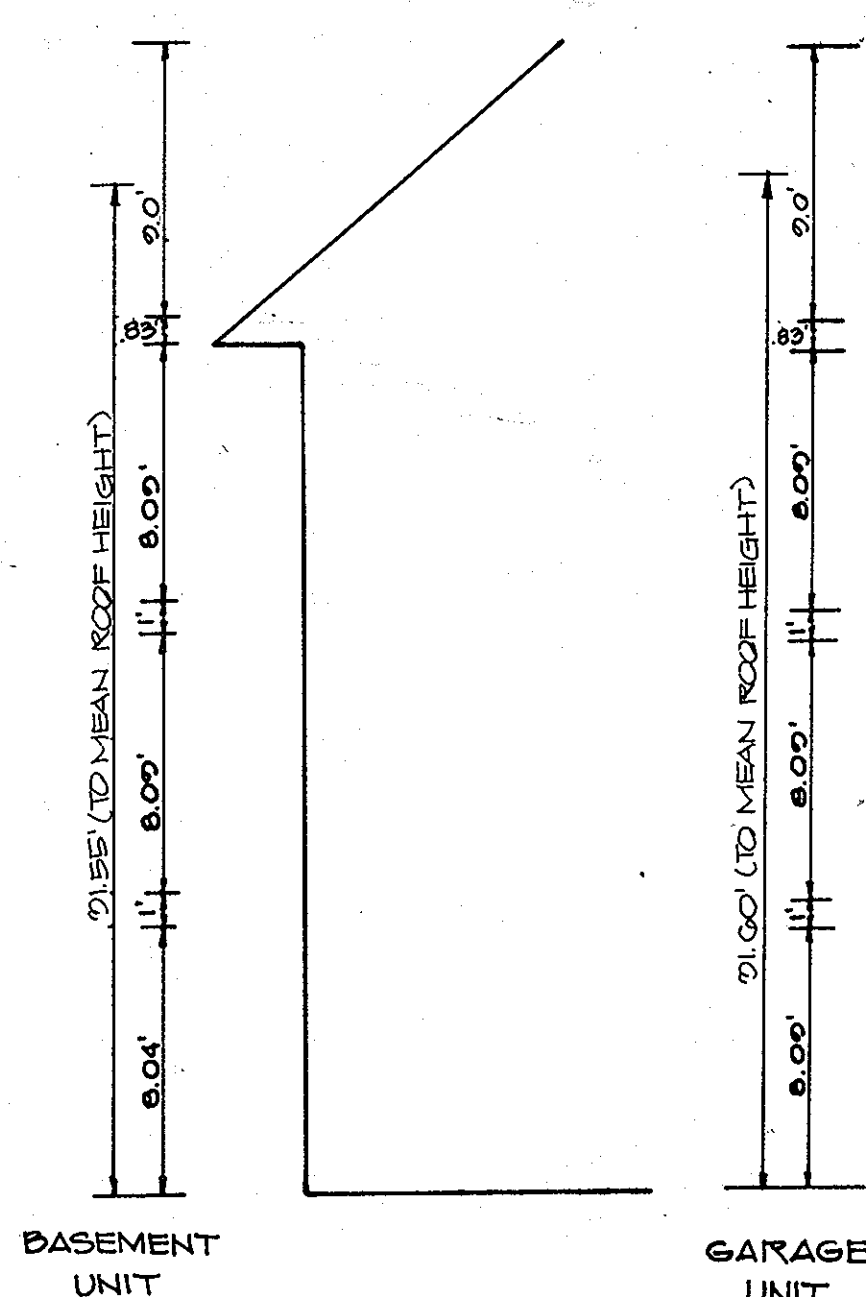
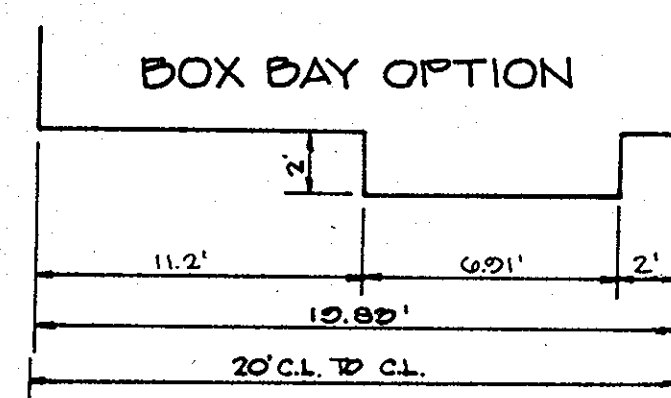
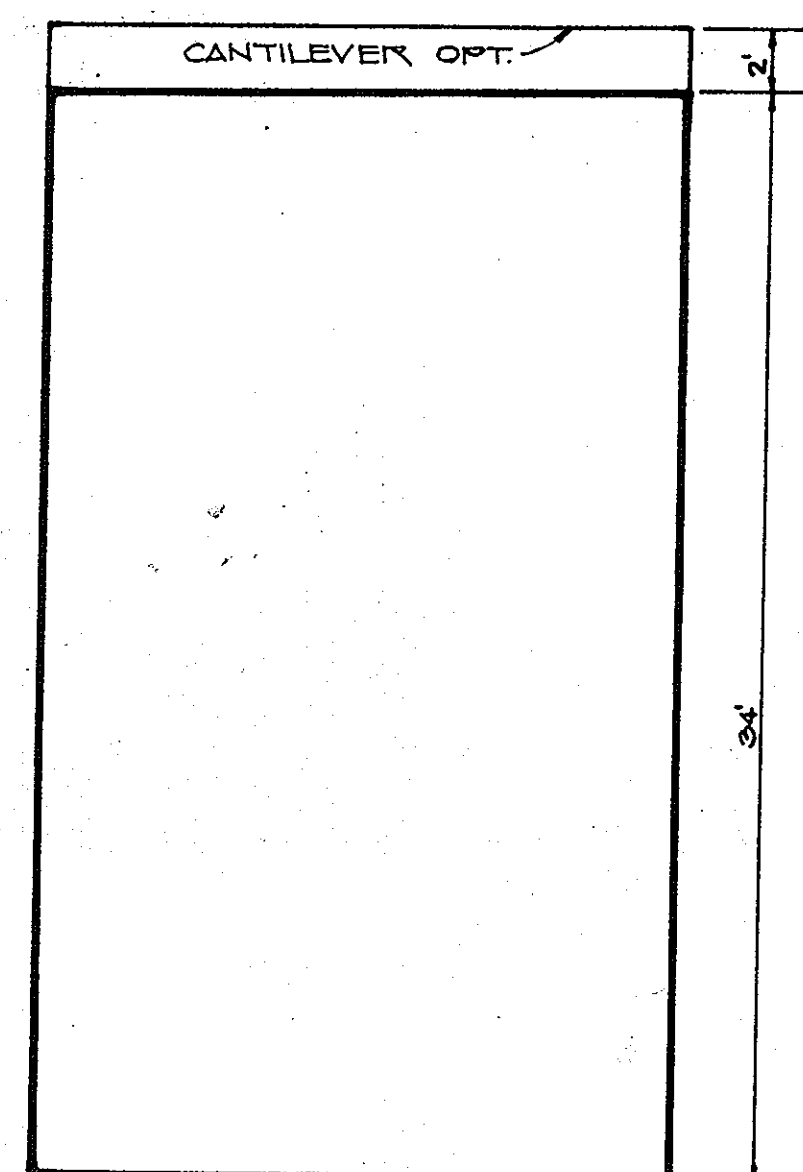
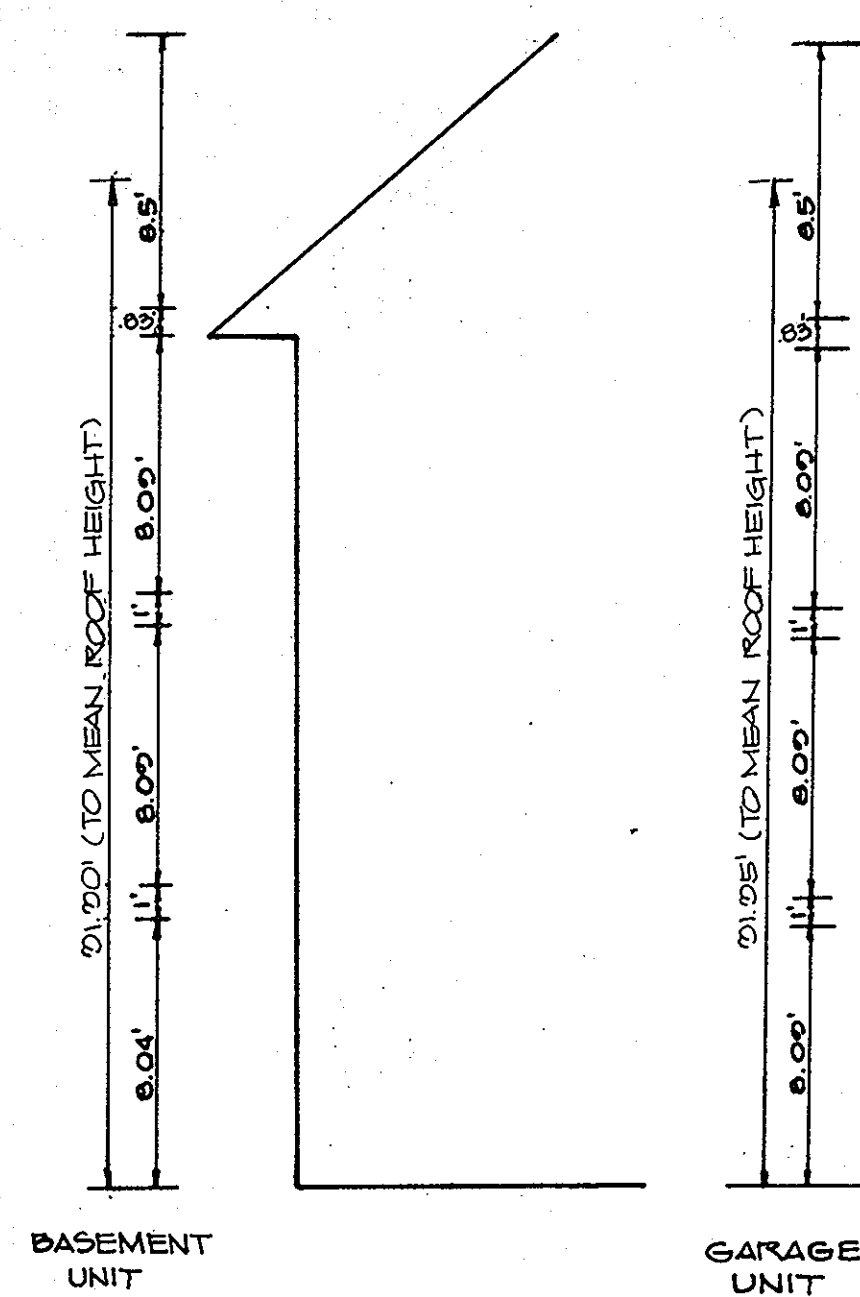
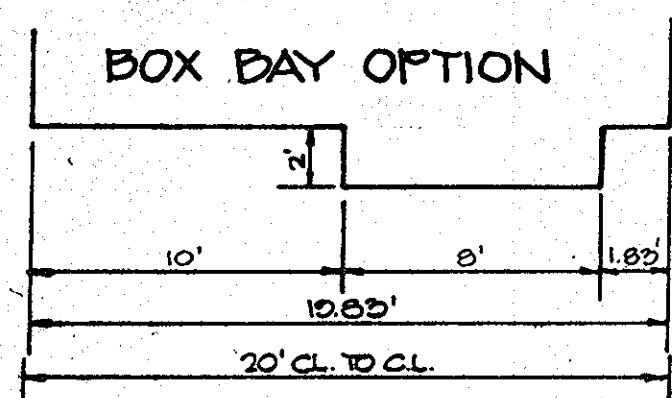
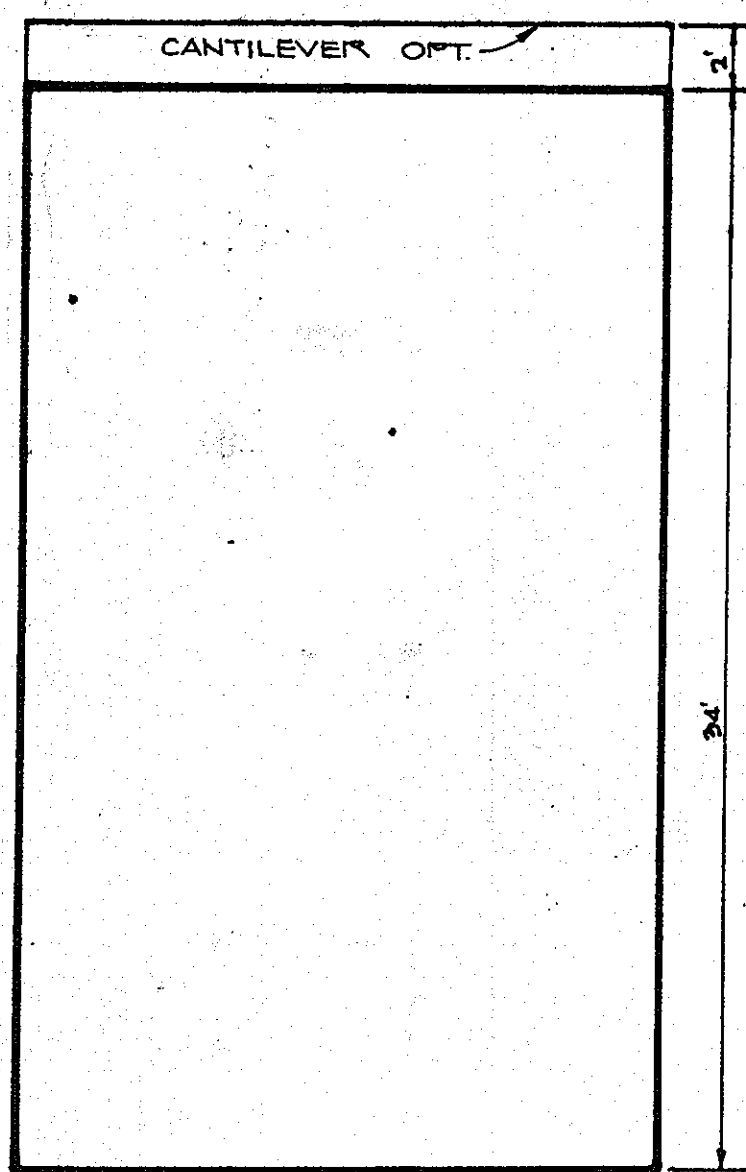
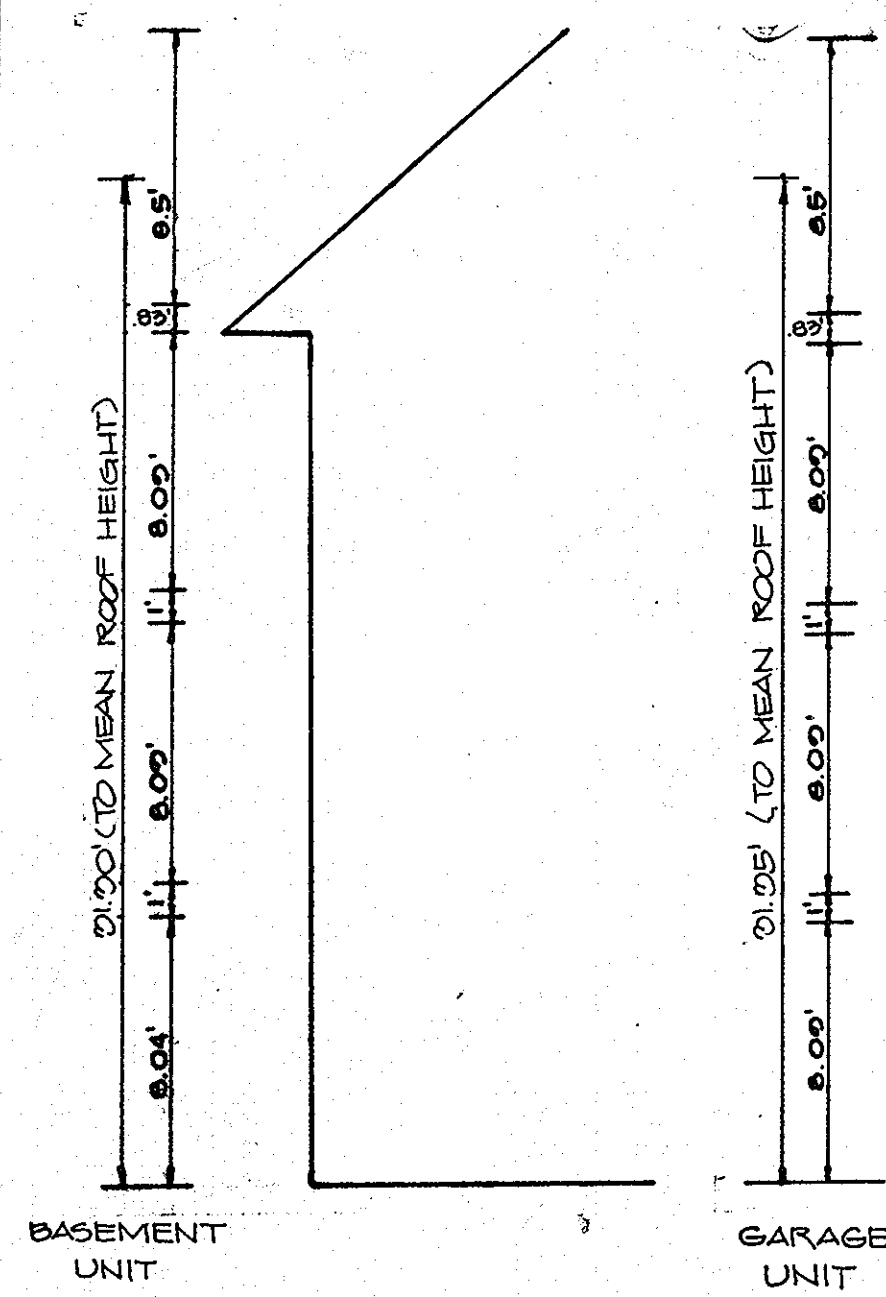
SIXTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

OWNER DEVELOPER  
 JAMES F. KNOTT DEVELOPMENT CORPORATION  
 110 WEST ROAD, SUITE 203  
 TOWSON, MARYLAND 21204  
 (410) 321-1000

DESIGNED	ALV	SCALE	1"=30'
DRAWN	CADD	DRAWING SHEET	5 OF 6
CHECKED	ALV	JOB NO.	40554
DATE	11/19/92	FILE NO.	

SUBDIVISION NAME	BOWLING BROOKS FARMS	SECT./AREA		LOT/PARCEL	PARCEL C
PLAT OR L/F	10006-10040	ZONE	1G	TAX/ZONE MAP	47
WATER CODE	003	ELEC. DIST.	6TH	CENSUS TR	8063
		SEWER CODE			7270000

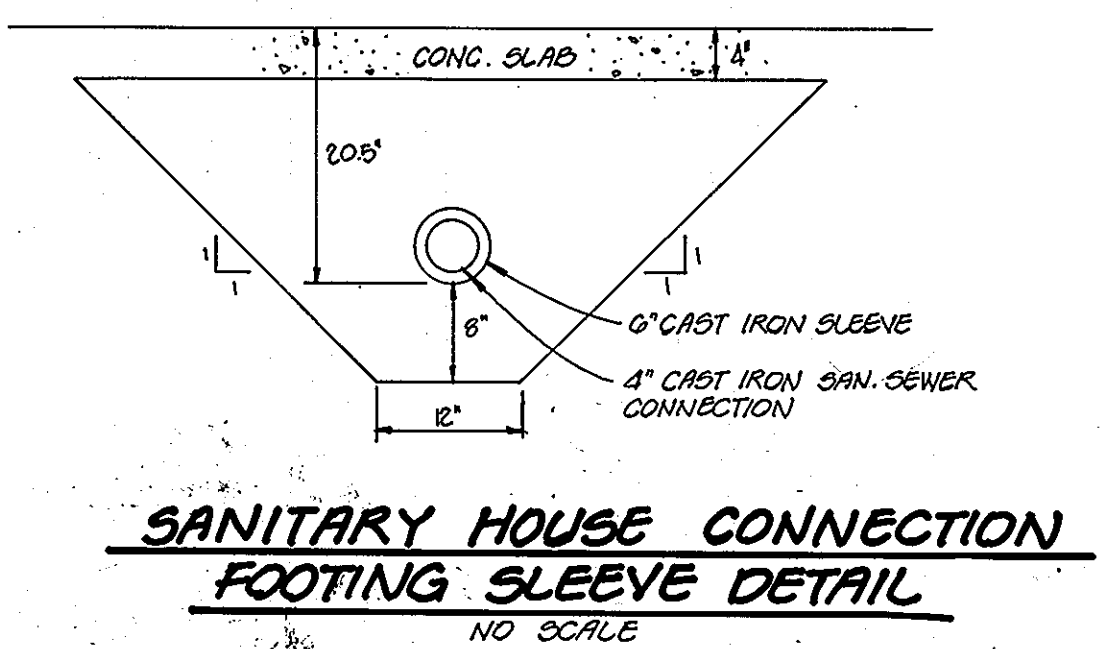




**APPROVED** FOR PUBLIC WATER AND SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
*John M. Boyd III* 1-21-93  
COUNTY HEALTH OFFICER DATE

**APPROVED** HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*James H. Thomas* 1/22/93  
DIRECTOR DATE  
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

**APPROVED** FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC WORKS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Roman P. Slaw* 1/22/93  
DIRECTOR DATE  
CHIEF BUREAU OF ENGINEERING



*J. Fair*  
7.30.93  
FOR REV. DATED 7.21.93

DATE	REVISION
7-27-93	ADDED SHC FOOTING SLEEVE DETAIL

**HARRIS, SMARIGA, MATZ, INC.**  
PLANNERS / ENGINEERS / SURVEYORS  
104 CHURCH LANE, SUITE 100  
BALTIMORE, MARYLAND 21209  
(301)-486-1511

**DAVID MCKENNEY**  
LIC #17800  
PROFESSIONAL ENGINEER

**BOWLING BROOK FARMS**  
PARCEL C

SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

OWNER DEVELOPER  
JAMES F. KNOTT DEVELOPMENT CORPORATION  
110 WEST ROAD, SUITE 203  
TOWSON, MARYLAND 21204  
(410) 521-1000

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
BOWLING BROOKS FARMS		PARCEL C
PLAT • OR L/F	BLOCK • ZONE	TAX/ZONE MAP
1062G-1064G	1G RSA-8	47
WATER CODE	ELEC. DIST.	CENSUS TR
003	6TH	6063
SEWER CODE		7270000

SCALE: NTS  
DRAWN: KAS  
CHECKED: G OFG  
JOB NO.: 40554  
FILE NO: