

SHEET INDEX

NO	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN, LOTS 64-79, 80-83, 104-107
3	" " , LOTS 44-63, 84-91
4	" " , LOTS 28-43, 92-95
5	" " , LOTS 1-27, 96-103
6	GRADING, SEDIMENT CONTROL & DETAILS, LOTS 64-83, 104-107
7	" " , LOTS 44-63, 84-91
8	" " , LOTS 28-43, 92-95
9	" " , LOTS 1-27, 96-103
10	LANDSCAPE PLAN, LOTS 64-83, 104-107
11	" " , LOTS 44-63, 84-91
12	" " , LOTS 28-43, 92-95
13	" " , LOTS 1-27, 96-103
14	ENVIRONMENTAL ANALYSIS, LOTS 64-83, 104-107
15	" " , LOTS 44-63, 84-91
16	" " , LOTS 28-43, 92-95
17	" " , LOTS 1-27, 96-103

Bearing	Distance (in Feet)	Elevation
1) N 51° 19' 37" E	525.85	257.03
2) S 82° 07' 08" E	27.34	257.03
3) N 65° 00' 54" E	156.75	48.41
4) N 60° 00' 18" E	305.06	57.61
5) N 41° 53' 20" E	65.94	372.72
6) S 75° 11' 55" E	72.62	242.84
7) S 42° 42' 15" E	69.23	1,465.46
8) S 76° 01' 30" E	27.03	309.60
9) N 46° 16' 52" E	28.81	530.10
10) N 69° 49' 52" E	212.85	228.37
11) N 54° 16' 52" E	122.10	45.89
12) N 52° 46' 52" E	82.50	76.00
13) N 61° 46' 52" E	79.20	266.09

LOT NO.	STREET ADDRESS	LOT NO.	STREET ADDRESS
1	8400 TIMBER TRAIL COURT	56	8507 TIMBER VALLEY COURT
2	8402 " " "	57	8505 " " "
3	8404 " " "	58	8503 " " "
4	8406 " " "	59	8501 " " "
5	8408 " " "	60	8521 TIMBERLAND CIRCLE
6	8410 " " "	61	8519 " " "
7	8412 " " "	62	8517 " " "
8	8414 " " "	63	8515 " " "
9	8416 " " "	64	8509 " " "
10	8418 " " "	65	8507 " " "
11	8420 " " "	66	8506 " " "
12	8500 TIMBER PINE COURT	67	8503 " " "
13	8502 " " "	68	8497 " " "
14	8504 " " "	69	8495 " " "
15	8506 " " "	70	8493 " " "
16	8508 " " "	71	8491 " " "
17	8510 " " "	72	8483 " " "
18	8512 " " "	73	8481 " " "
19	8514 " " "	74	8479 " " "
20	8516 " " "	75	8477 " " "
21	8518 " " "	76	8467 " " "
22	8511 " " "	77	8465 " " "
23	8509 " " "	78	8463 " " "
24	8507 " " "	79	8461 " " "
25	8505 " " "	80	8500 " " "
26	8503 " " "	81	8502 " " "
27	8501 " " "	82	8504 " " "
28	8504 TIMBER HILL COURT	83	8506 " " "
29	8506 " " "	84	8512 " " "
30	8508 " " "	85	8514 " " "
31	8510 " " "	86	8516 " " "
32	8514 " " "	87	8518 " " "
33	8516 " " "	88	8524 " " "
34	8518 " " "	89	8526 " " "
35	8520 " " "	90	8528 " " "
36	8519 " " "	91	8530 " " "
37	8517 " " "	92	8540 " " "
38	8515 " " "	93	8542 " " "
39	8513 " " "	94	8544 " " "
40	8509 " " "	95	8546 " " "
41	8507 " " "	96	8550 " " "
42	8505 " " "	97	8552 " " "
43	8503 " " "	98	8554 " " "
44	8500 TIMBER VALLEY COURT	99	8556 " " "
45	8502 " " "	100	8402 " " "
46	8504 " " "	101	8504 " " "
47	8506 " " "	102	8506 " " "
48	8510 " " "	103	8508 " " "
49	8512 " " "	104	8414 " " "
50	8514 " " "	105	8416 " " "
51	8516 " " "	106	8418 " " "
52	8517 " " "	107	8420 " " "
53	8515 " " "	108	8460 OPEN SPACE LOT
54	8513 " " "	109-115	OPEN SPACE LOTS
55	8511 " " "		

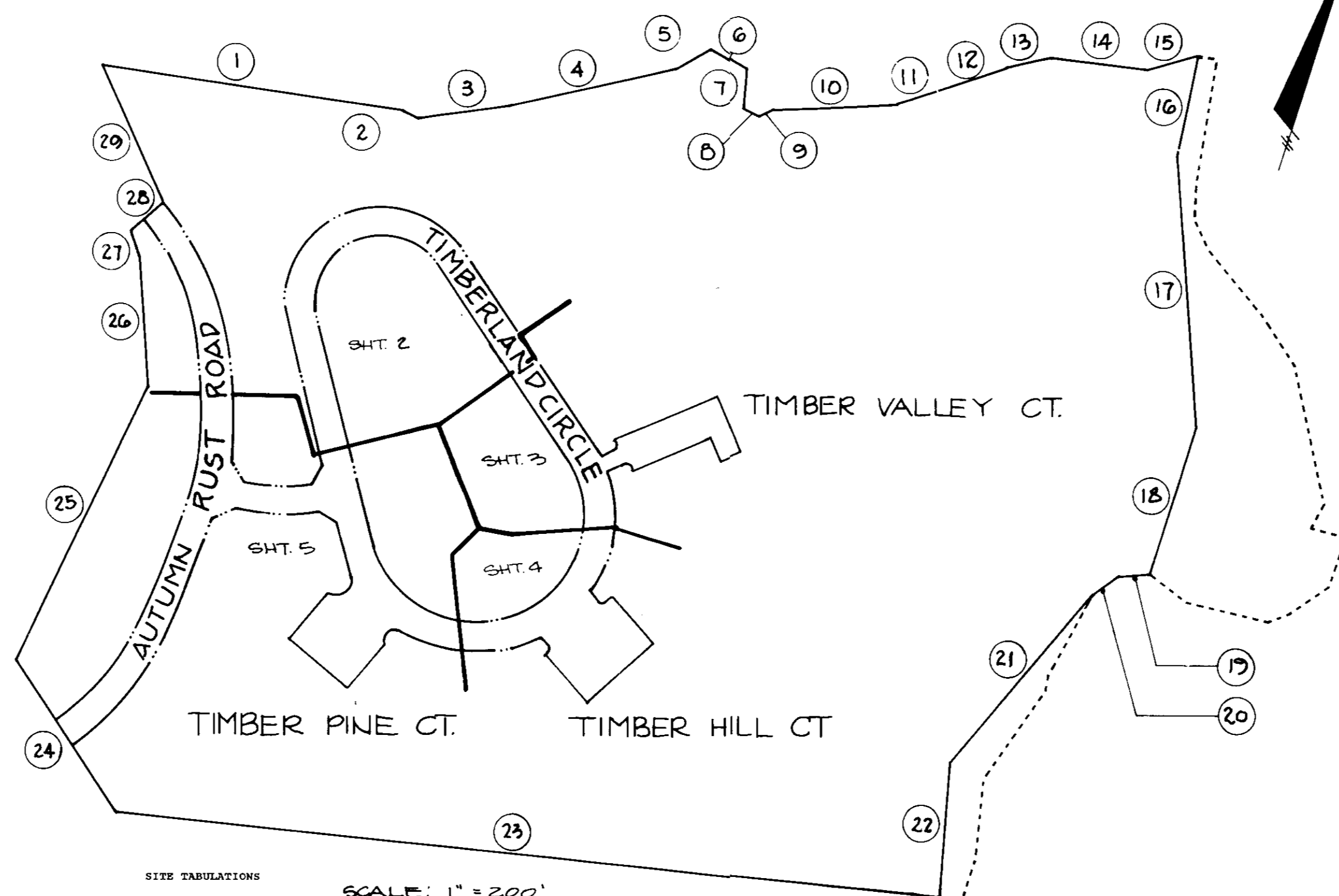
SITE DEVELOPMENT PLAN

THE TOWNHOMES OF TIMBERLAND

LOTS 1 THROUGH 111

SECOND ELECTION DISTRICT

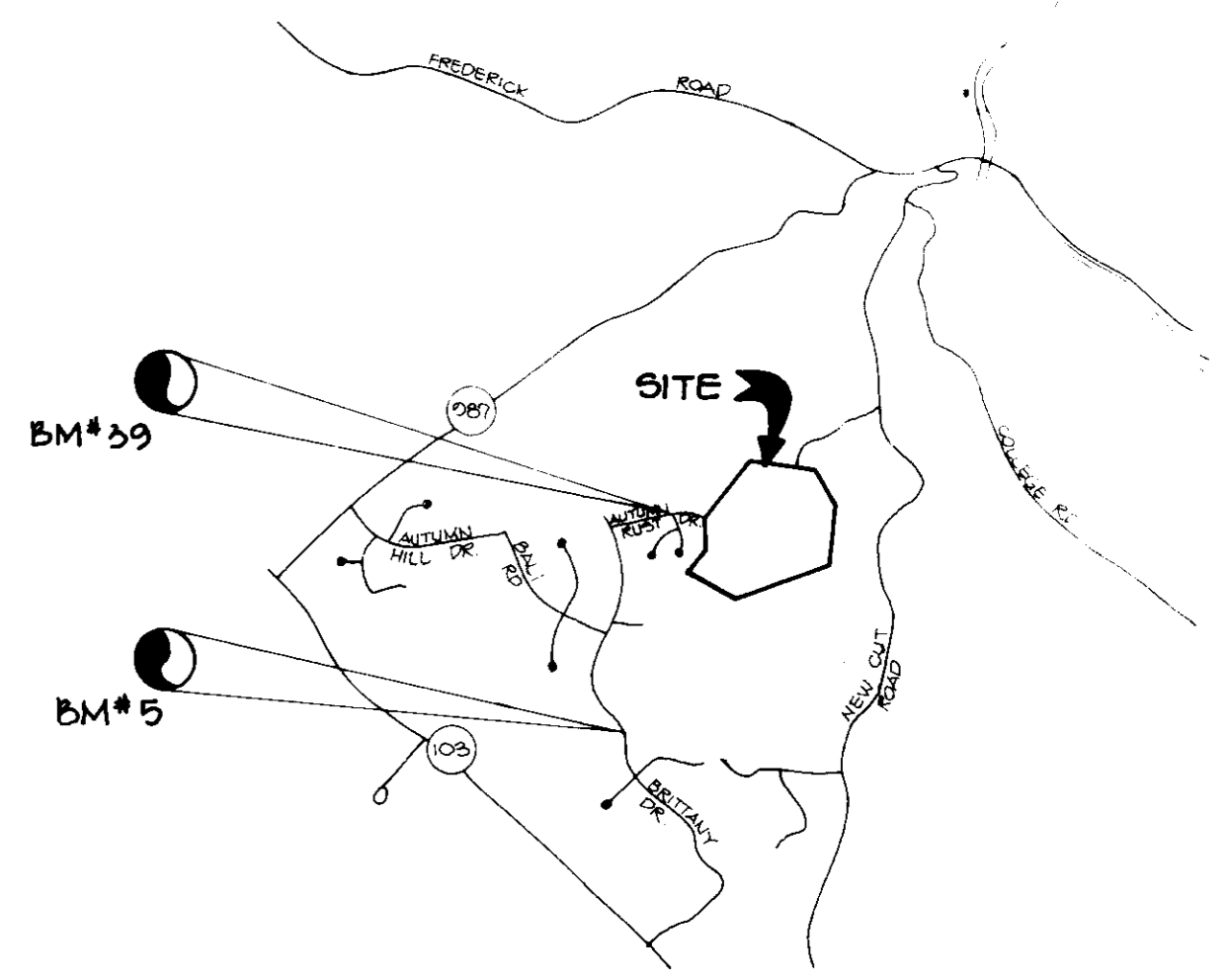
HOWARD COUNTY, MARYLAND



SCALE: 1" = 200'

SIZE TABULATIONS	
Total Area of Site	55.810 Ac.
Existing Zoning	R-ED
Proposed Use	Single Family Attached
No. Dwelling Units Proposed	107
Lot Coverage Permitted	60% Maximum (22.6%)
Utdy Coverage Proposed	2,5001 Ac. (4.4% of total Area)
Area of Steep Slopes	21
Area of Flood Plain	± 0.00 Ac.
Net Area	242.89 Ac.
Open Space Required	± 10.689 Ac. (20%)
Open Space Provided	244.12 Ac. (82.58%)
Dry Ground Recreation Required	± 5.343 Ac. (50%)
Dry Ground Recreation Provided	± 33.58 Ac. (314.24%)
Parking Spaces Required	214
(40) Garage Units - 1 Interior, 1 Driveway	80
(67) Non-Garage Units - 2 Off Street Spaces	134
Proposed Parking Spaces	214
Garage Units	80
Non-Garage Units	138
TOTAL	238

SEWER AND WATER HOUSE CONNECTION CHART		
LOT NO.	SHT. SIZE	MIC. SIZE
1-8	4"	1 1/2"
9	4"	1 1/2"
10-12	4"	3/4"
13	4"	3/4"
14-15	4"	1"
16-17	6"	1"
18	4"	1"
19	4"	3/4"
20	4"	3/4"
21	4"	1"
22-23	6"	1"
24-26	4"	1"
27	4"	3/4"
28	4"	3/4"
29-31	4"	1"
32-33	4"	1"
34	4"	3/4"
35-36	4"	1"
37	4"	1"
38-39	4"	1"
40	4"	1"
41-44	4"	3/4"
45-46	4"	1"
47-48	4"	3/4"
49-54	4"	1"
55-56	4"	1"
57-58	4"	1"
59	4"	3/4"
60-79	6"	1"
80-84	4"	3/4"
85-86	4"	1"
87-88	4"	3/4"
89-90	4"	1"
91-92	4"	3/4"
93-94	4"	1"
95-96	4"	3/4"
97-98	4"	1"
99-100	4"	3/4"
101-107	4"	1"



VICINITY MAP SCALE 1" = 2000'

Lot #	Elevation	Lot #	Elevation
1	350.01	66 & 67	366.06
2	350.20	68 & 69	366.88
3	350.47	70 & 71	366.18
4	350.67	72 & 73	372.10
5	351.07	74 & 75	372.20
6	351.28	76 & 77	367.10
7	351.50	78 & 79	368.35
8	351.80	80	384.49
9	352.08	81	383.65
10	352.29	82	383.17
11	352.49	83	382.08
12	384.70	84	380.05
13	384.34	85	379.18
14	384.17	86	378.41
15	384.31	87	378.14
16 & 17	384.78	88	371.76
18	384.66	89	371.81
19	384.49	90	371.84
20	384.17	91	371.86
21	384.41	92	380.25
22 & 23	384.36	93	380.91
24	384.14	94	381.51
25	384.04	95	382.03
26	383.73	96	383.13
27	383.49	97	382.34
28	376.12	98	381.89
29	375.81	99	381.28
30	375.55	100	377.42
31	375.65	101	377.63
33 & 32 (DUAL)	375.96	102	377.78
34	375.54	103	378.04
35	375.22	104	378.46
36	374.54	105	378.84
37 @ 1X	374.08	106	379.08
39 & 38 @ 1X (DUAL)	374.15	107	379.47
40 @ 1X	374.08		
41 @ 1X	373.79		
42 @ 1X	373.61		
43 @ 1X	373.29		
44 & 59 Type "B" IMC	374.26/374.54		
45 & 58 Type "B" IMC	374.26/374.54		
47 (IMC)	374.26		
48	374.21		
49	374.10		
50	373.93		
51	373.95		
52	374.19		
53	373.97		
54	373.73		
55 & 56 Type "B" IMC	373.40		
60 & 61	364.80		
62 & 63	364.51		
64 & 65	365.48		

BENCH MARKS

BM#5 RAILROAD SPIKE FOUND IN EAST SIDE OF BG#E POLE # 306578 - 25' WEST OF KING'S HEIGHTS ROAD (SEE VICINITY MAP)

BM#39 MONUMENT SET @ NORTH CORNER OF INTERSECTION OF WHITE WILLET COURT AND AUTUMN RUST ROAD (SEE VICINITY MAP)

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

Arthur E. Muegge 11-14-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING.

James H. Smith 12/7/90
PLANNING DIRECTOR DATE

Mark J. Ziegler 11/27/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

William J. Smith DATE
DIRECTOR

William J. Smith 11-2-90
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

OWNER/DEVELOPER
TAYLOR LAND SERVICE COMPANY, INC.
C/O LAND DESIGN AND DEVELOPMENT
8807 MAIN STREET
ELLCOTT CITY, MARYLAND 21043

PROJECT
TOWNHOMES OF TIMBERLAND
SINGLE FAMILY ATTACHED

AREA
TAX MAP 25 PARCEL 65
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
TITLE SHEET

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Elicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

DATE 10/19/90

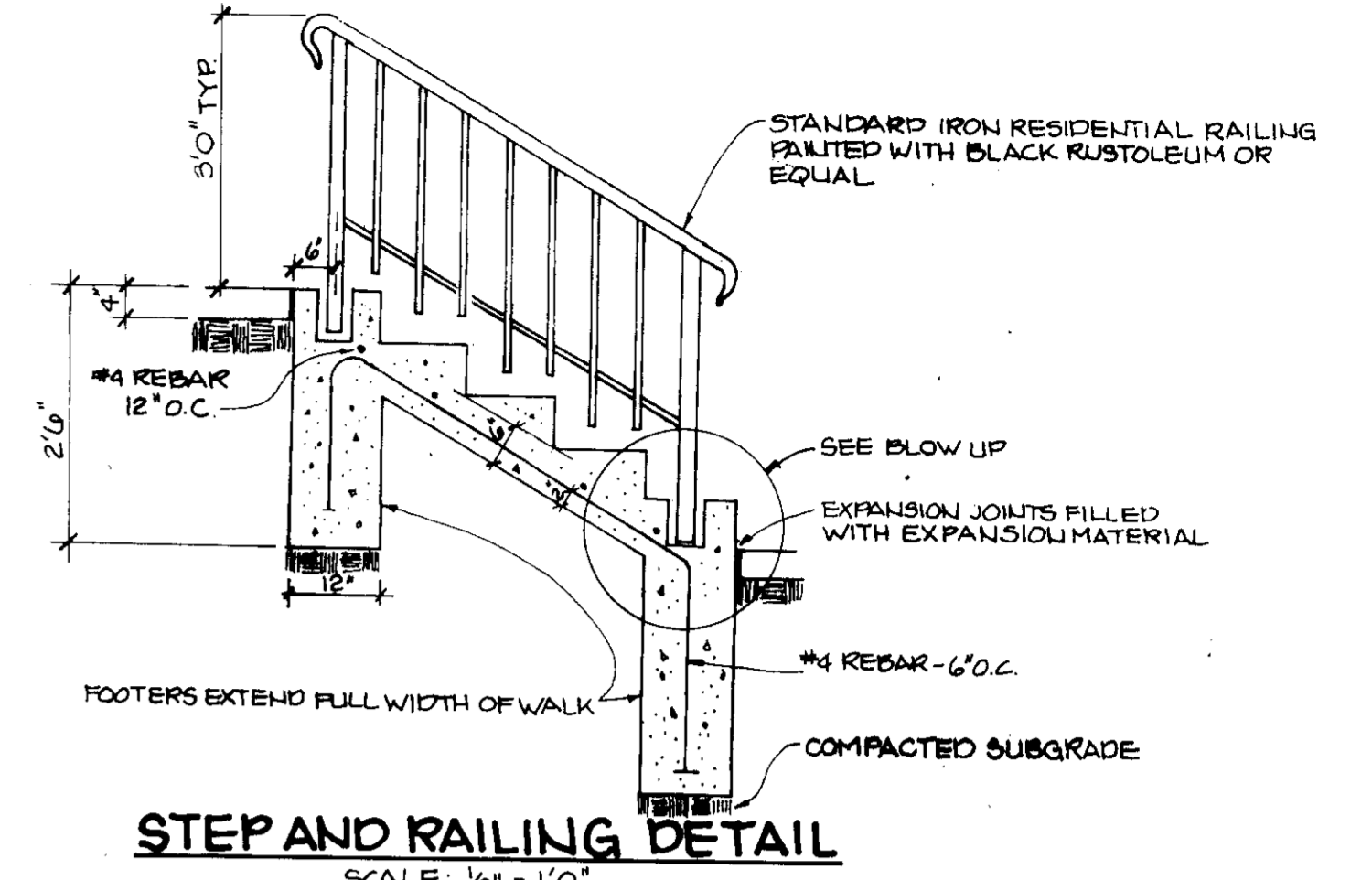
DESIGNED BY LWJ
DRAWN BY CADP
PROJECT NO G5203
DATE AUGUST 3, 1990
SCALE 1" = 20'
DRAWING NO 1 OF 17

10/19/90
DATE
APRIL E. MUEGGE

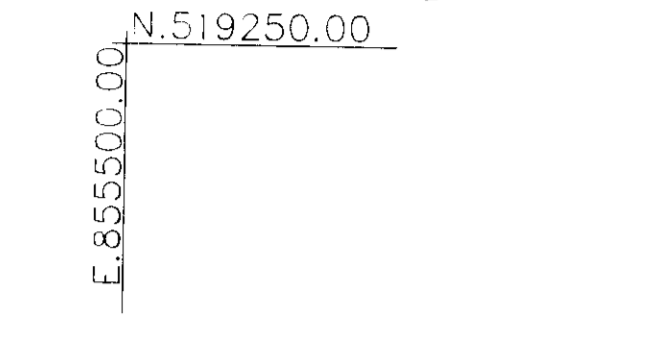
SM 91.14

NECIA A. SALAN, ET. AL.
1646/168
ZONED: R-ED

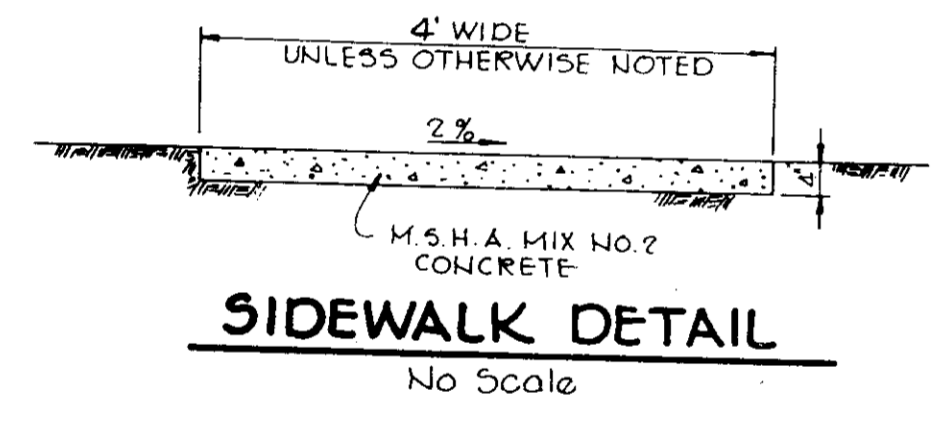
**OPEN SPACE
LOT 109**
(TO BE MAINTAINED BY
HOMEOWNER ASSOCIATION)



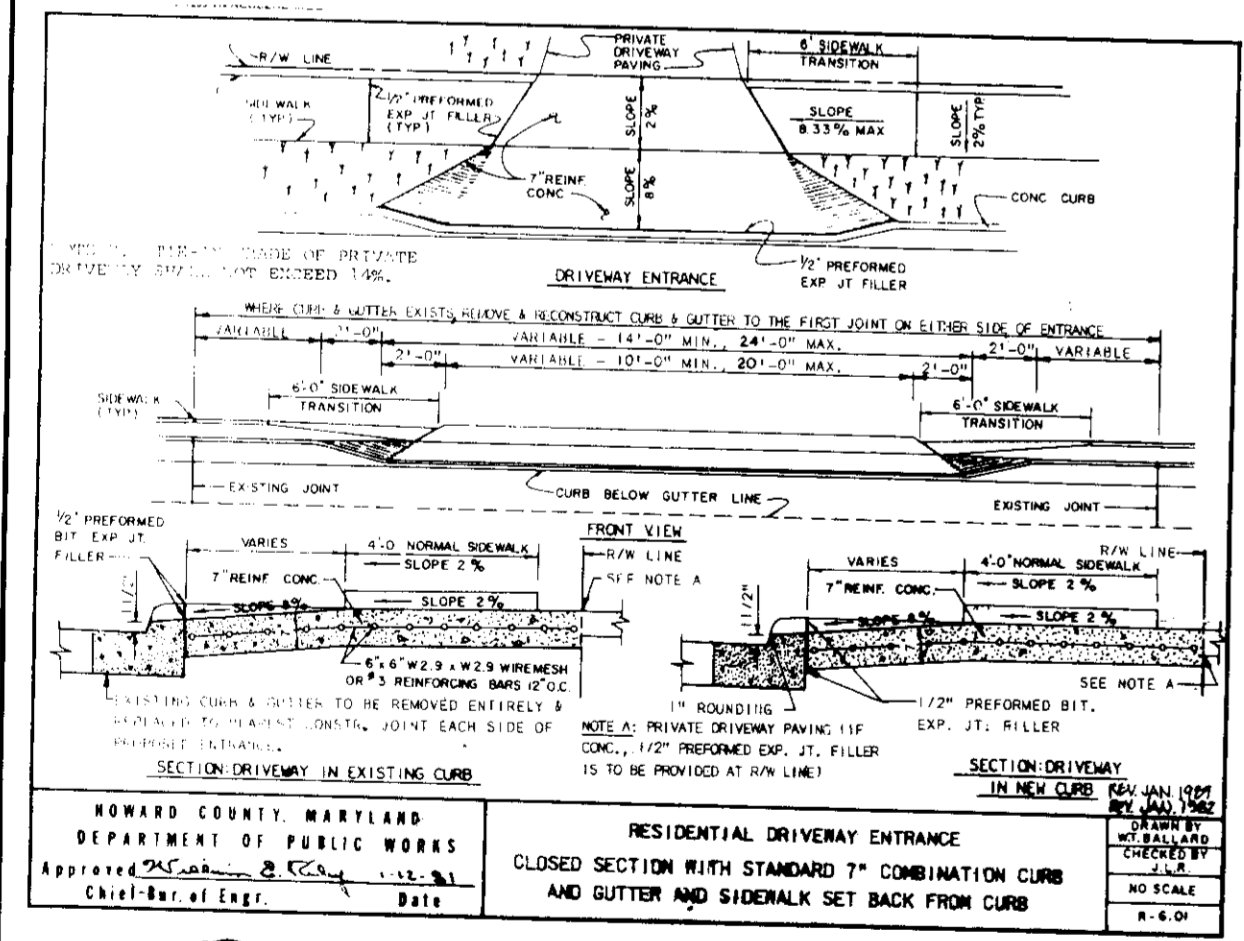
STEP AND RAILING DETAIL
SCALE: 1/2" = 1'-0"



**ELEVATION OF
EX. COMMUNITY CENTER**
(NOT TO SCALE)



SIDEWALK DETAIL
No Scale



**DRIVEWAY ENTRANCE
DETAIL**
(NO SCALE)

- LEGEND:**
- EX. CONTOUR ——— 99.2
 - PROP CONTOUR ——— 99.2
 - EX. TREELINE ——— 99.2
 - PROP TREELINE ——— 99.2
 - BUILDING RESTRICTION LINE ——— 20' BRL
 - TS/ STREAM BUFFER ———
 - WATER HOUSE CONNECTION ——— WHC
 - SEWER HOUSE CONNECTION ——— SHC

**OPEN SPACE
LOT 109**
(TO BE MAINTAINED BY
HOMEOWNERS ASSOCIATION)

BLDG. 20
TYPE "A"
LENGTH: 96'

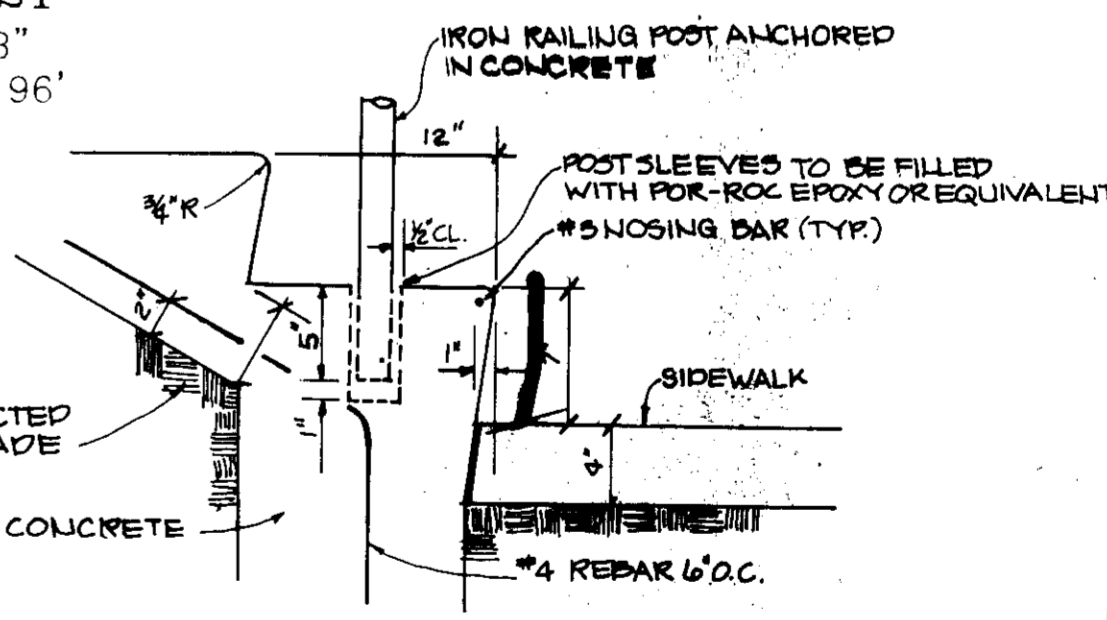
**OPEN SPACE
LOT 108**
(TO BE MAINTAINED BY
HOMEOWNERS ASSOC.)

BLDG. 17
TYPE "A"
LENGTH: 96'

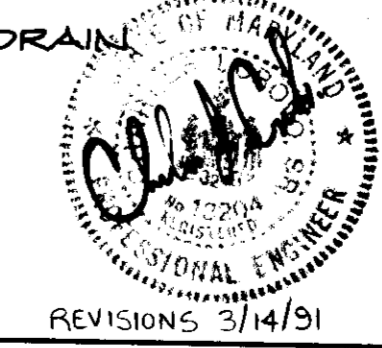
BLDG. 21
TYPE "B"
LENGTH: 96'

BLDG. 27
TYPE "B"
LENGTH: 96'

TYPICAL CONCRETE STEP W/ RAIL DETAIL
SCALE: 1" = 1'-0"



NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS
AND SIZING, SEE TITLE SHEET.
- ALL GARAGE UNIT DRIVEWAYS TO DRAIN
DIRECTLY TO STREET.



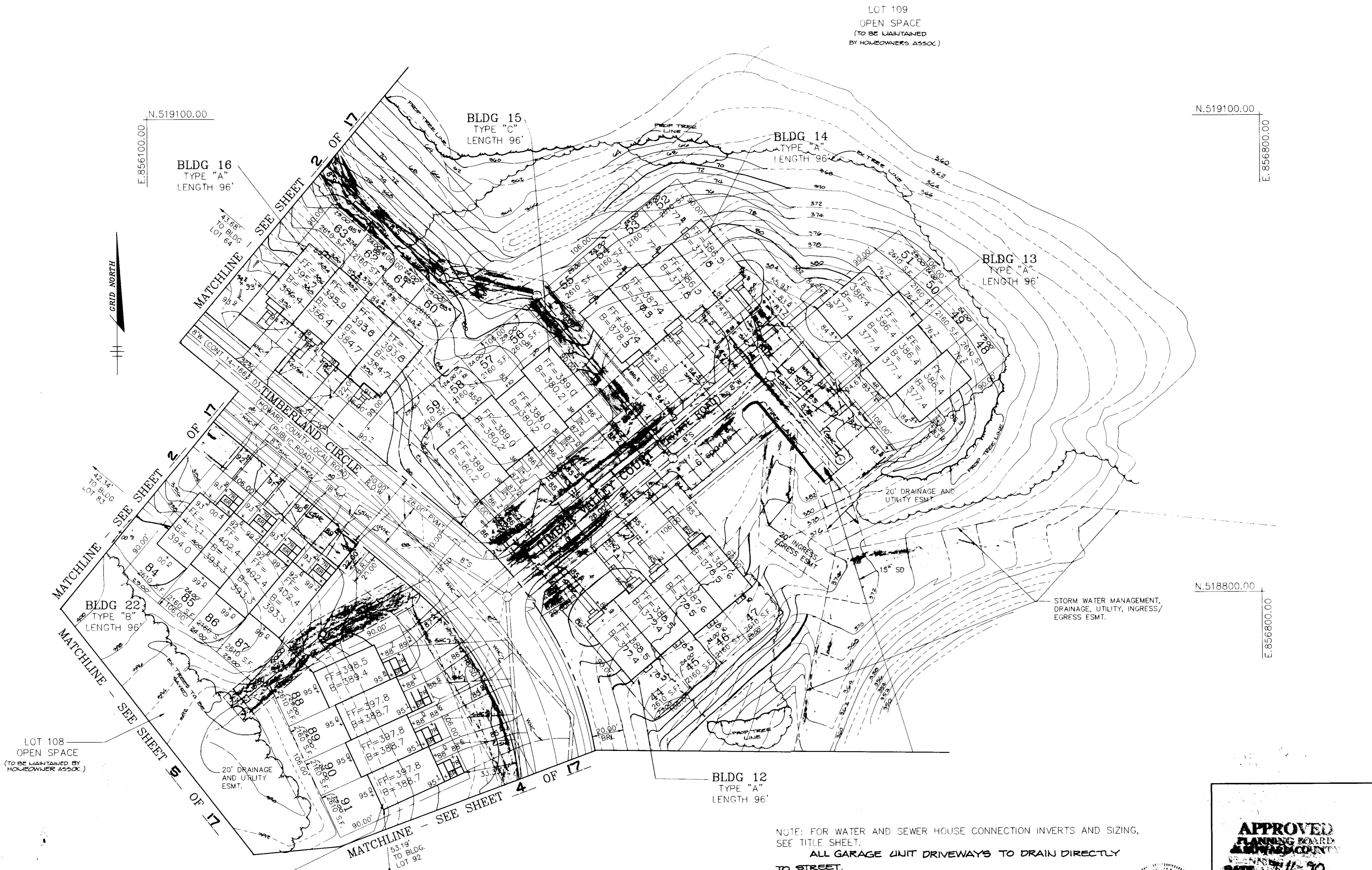
**APPROVED
HOWARD COUNTY**
DATE: 7-11-90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John W. Boyles 11-14-90
COUNTY HEALTH OFFICER
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
James S. Keith 12-7-90
DIRECTOR
James S. Keith 1-4-91
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
James S. Keith 1-16-90
DIRECTOR
James S. Keith 11-6-90
CHIEF, BUREAU OF ENGINEERING

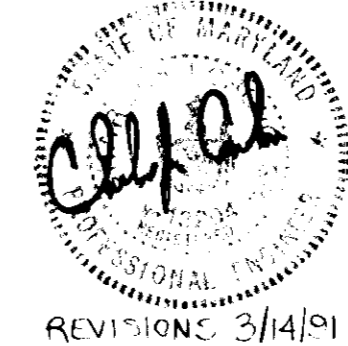
DATE NO. REVISION
OWNER / DEVELOPER
TAYLOR LAND SERVICE COMPANY, INC.
C/O LAND DESIGN AND DEVELOPMENT
8807 MAIN STREET
ELLCOTT CITY, MD. 21041
PROJECT
**TOWNHOMES
OF TIMBERLAND**
(SINGLE FAMILY ATTACHED)
AREA TAX MAP 25 PARCEL 63
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
TITLE
SITE DEVELOPMENT PLAN
LOTS 64 - 79, 80 - 83 & 104 - 107

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176
DATE: 10-19-90
DESIGNED BY: J.M.
DRAWN BY: J.M.
PROJECT NO.: 10143
DATE: 8-3-90
SCALE: 1" = 1'-0"
DRAWING NO. 2 OF 17

LOT 109
OPEN SPACE
(TO BE MAINTAINED
BY HOMEOWNERS ASSOC.)



NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS AND SIZING,
SEE TITLE SHEET.
ALL GARAGE UNIT DRIVEWAYS TO DRAIN DIRECTLY
TO STREET.

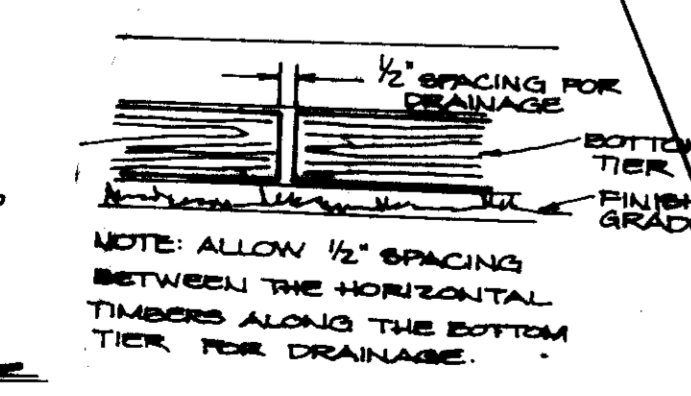
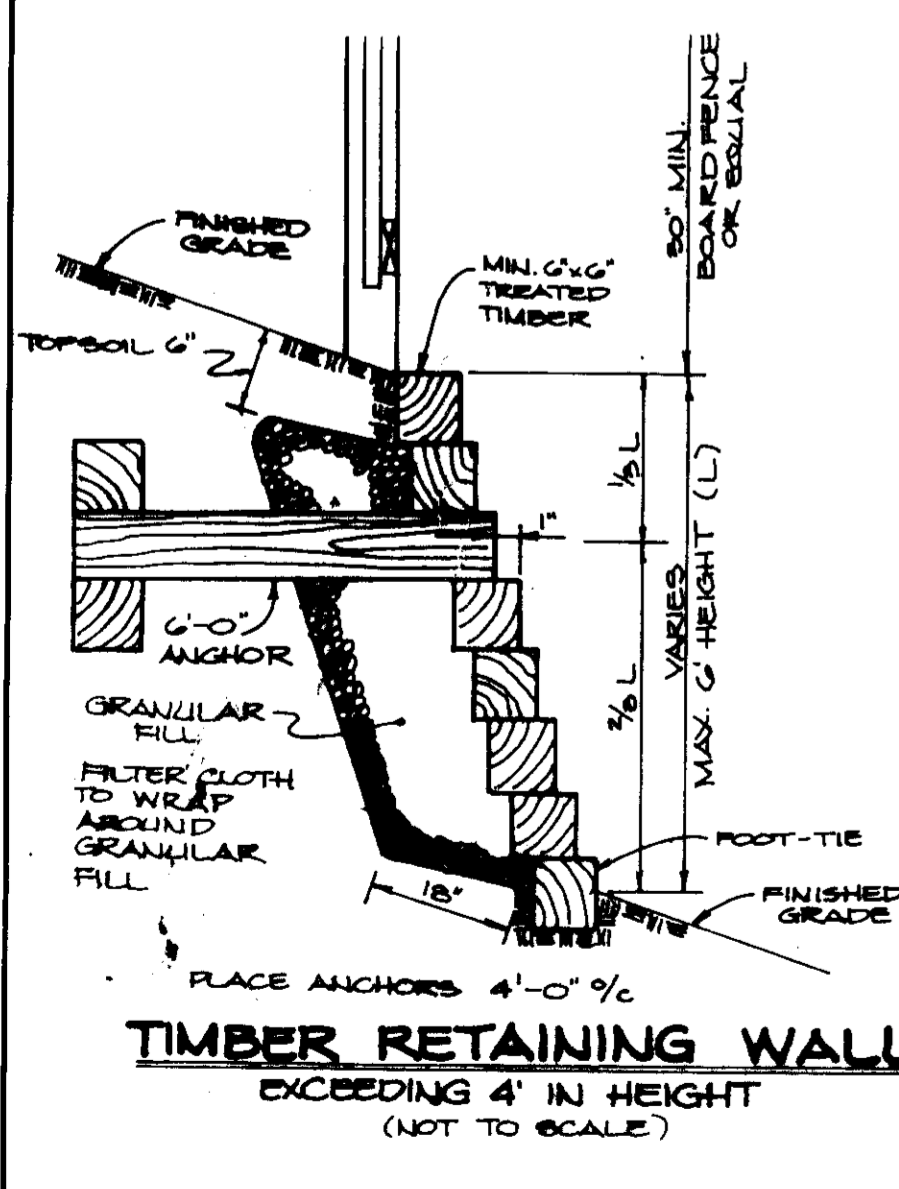
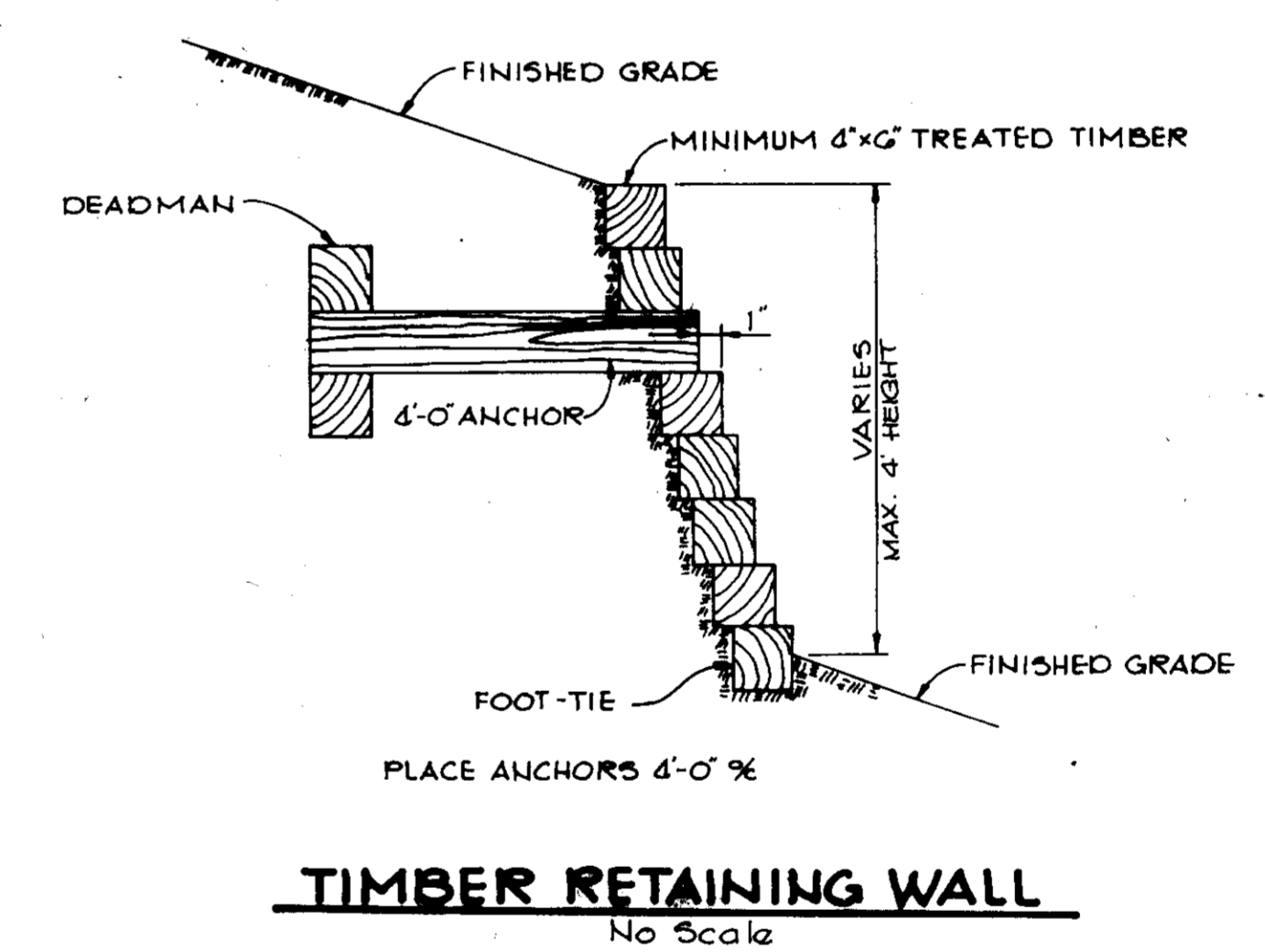
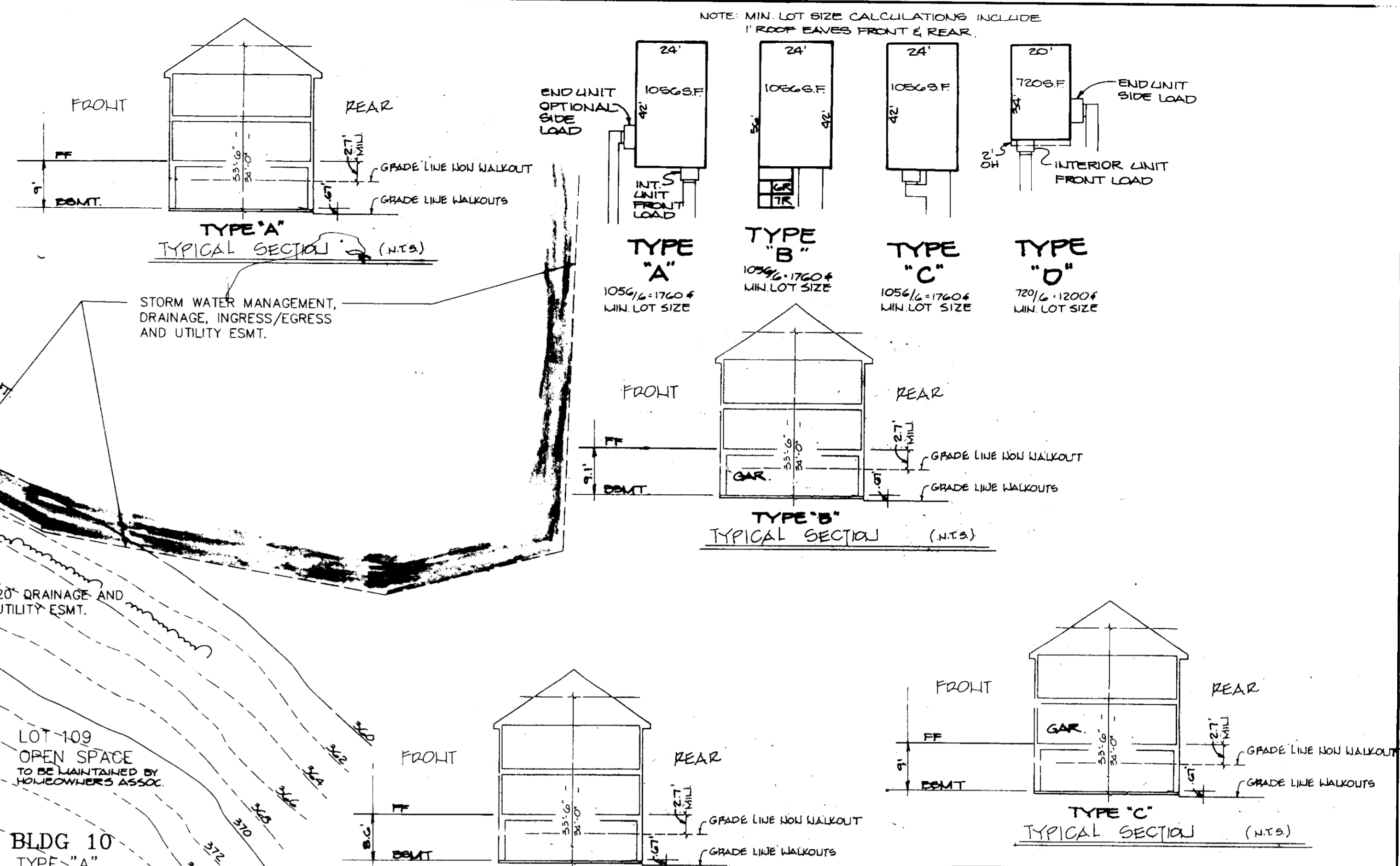
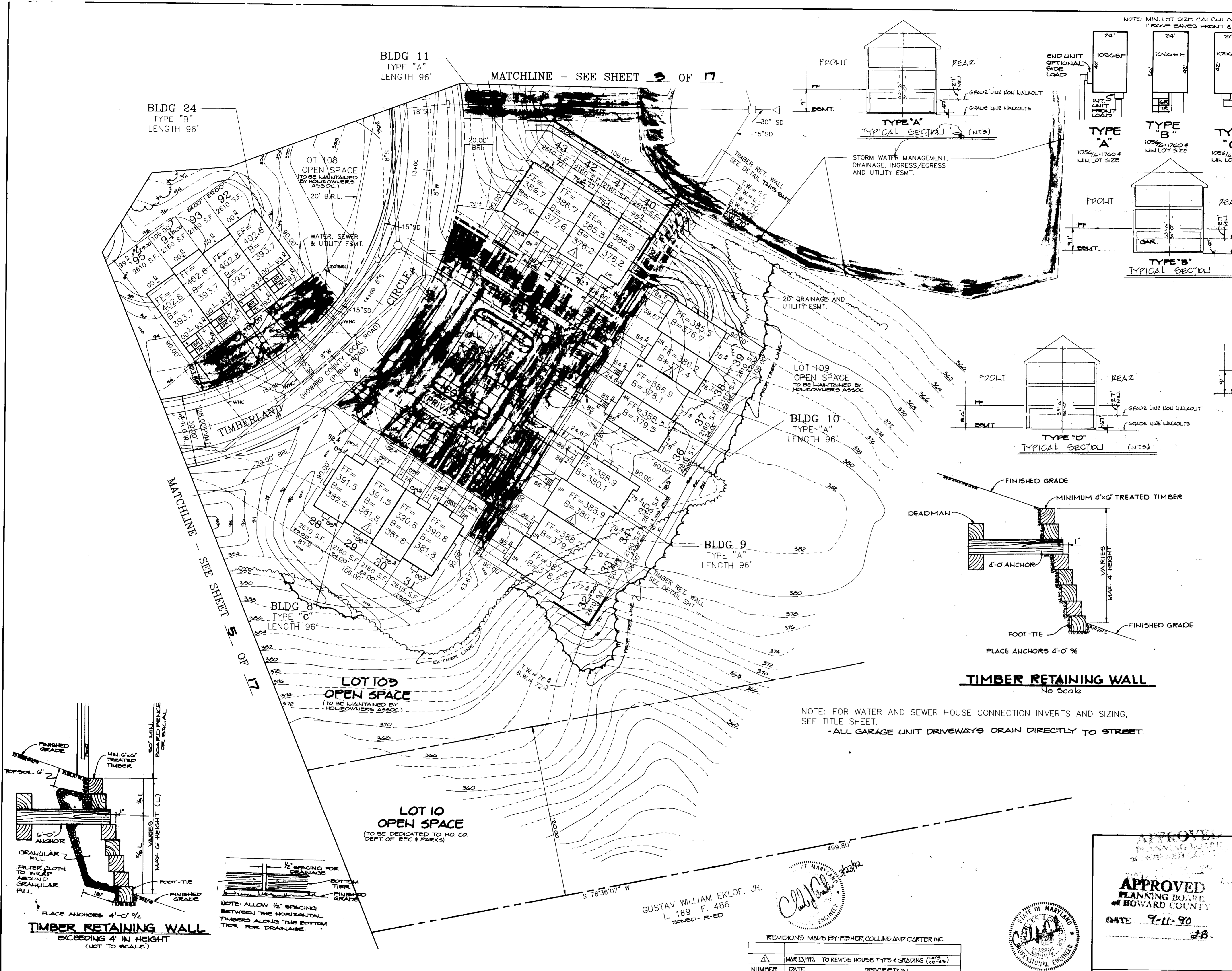


APPROVED
PLANNING BOARD
HOWARD COUNTY
DATE: 11-16-90
J.B.

Revision: Shaded Grading Behind
Lots 87-93, Showed Easements
By Fisher Collins and Carter 3/13/91

APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>J. B. Boyden</i> COUNTY HEALTH OFFICER	11-14-90 DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James Keister</i> DIRECTOR	12/1/90 DATE
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROAD.	
<i>David S. DeAngelis</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	11-2/90 DATE
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROAD.	
<i>William E. Mueggel</i> DIRECTOR, BUREAU OF ENGINEERING	11-6-90 DATE
DATE NO.	REVISION
OWNER / DEVELOPER	
TAYLOR LAND SERVICE COMPANY, INC. 20 STANLEY DEAN AND LEE BUILDING 880 MAIN STREET FELLSVILLE, MD. 21747	
PROJECT	
TOWNHOMES (SINGLE FAMILY ATTACHE)	
AREA TAX MAP 25 PARCELS AND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE	
SITE DEVELOPMENT PLAN LOTS 44 - 63 & 84 - 91	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 3105 North Ridge Road Elkton City, Maryland 21043 301-461-2690 FAX: 301-730-3176	
10-17-90 DATE	S 86-48, P 87-82, F 89-151 SDP 90-84
<i>Arthur E. Mueggel</i> PROFESSIONAL ENGINEER	DESIGNED BY: LUG
	DRAWN BY: LUG
	PROJECT NO: 60207
	DATE: AUG. 25, 1990
	SCALE: 1" = 30'
	DRAWING NO. 3 OF 17

SDP 91-11



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

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

DATE	NO.	REVISION

OWNER / DEVELOPER
TAYLOR LAND SERVICE COMPANY, INC.
C/O LAND DESIGN AND DEVELOPMENT
8807 MAIN STREET
ELlicott CITY, MD. 21043

PROJECT
TOWNHOMES OF TIMBERLAND
(SINGLE FAMILY ATTACHED)

AREA TAX MAP 25 PARCEL 65
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
SITE DEVELOPMENT PLAN
LOTS 28 - 43 & 92 - 95

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

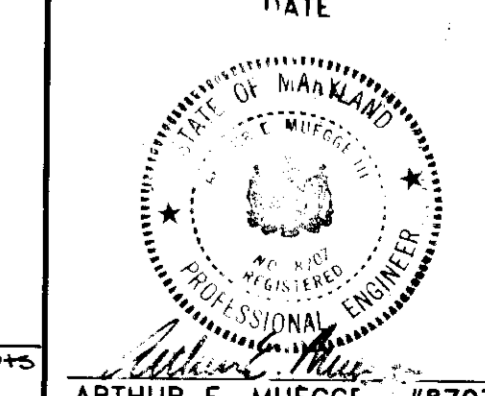
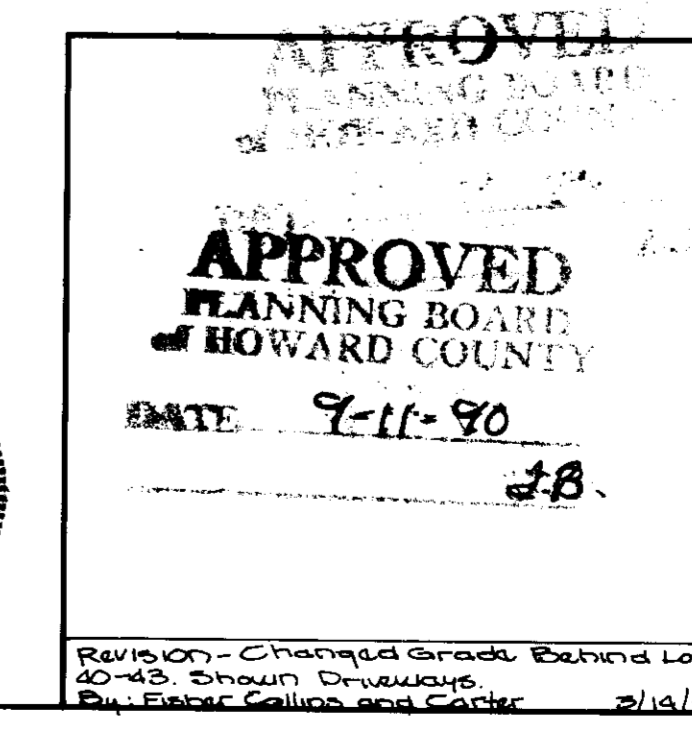
DATE 11-14-90

DESIGNED BY : LUG
DRAWN BY : LUG
PROJECT NO : 65203
DATE : AUG. 3, 1990
SCALE : 1" = 30'
DRAWING NO. 4 OF 17

GUSTAV WILLIAM EKLOF, JR.
L. 189 F. 486
ZONED - R-ED

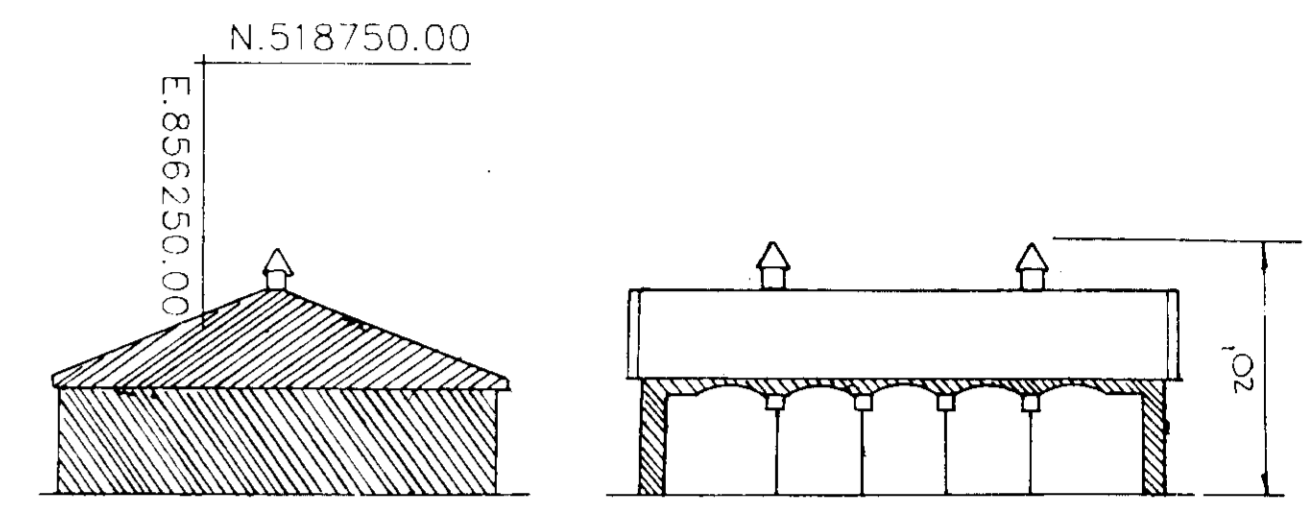
REVISIONS MADE BY: FISHER, COLLINS AND CARTER, INC.

NUMBER	DATE	DESCRIPTION
1	MAR 13 1992	TO REVISE HOUSE TYPE & GRADING (LTS-43)
2		
3		



SDP 91-19

NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS AND SIZING, SEE TITLE SHEET.
 -ALL GARAGE UNIT DRIVEWAYS TO DRAIN DIRECTLY TO STREET.



PARKING COVER
 TYPICAL PROFILE
 NOT TO SCALE

THE PURPOSE OF THIS REVISION IS TO MATCH THE RESUBDIVISION PLAT RECORDED AS PLAT NO. 10284.

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 3-31-92

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

[Signature] 4-29-92
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

[Signature] 5/1/92
 DIRECTOR DATE

[Signature] 4/30/92
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

[Signature] 4-23-92
 DIRECTOR DATE

[Signature] 4-23-92
 CHIEF, BUREAU OF ENGINEERING DATE

2-26-92 | REVISE LOT 116 THRU 126 MODEL TYPE
 DATE NO. REVISION

OWNER / DEVELOPER
 TAYLOR LAND SERVICE COMPANY, INC.
 C/O LAND DESIGN AND DEVELOPMENT
 8807 MAIN STREET
 ELLICOTT CITY, MD. 21043

PROJECT
 TOWNHOMES OF TIMBERLAND
 (SINGLE FAMILY ATTACHED)

AREA TAX MAP 25 PARCEL 65
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE REVISED SITE DEVELOPMENT PLAN
 LOT 12-27, LOTS 96-103 AND LOTS 116-126

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road Ellicott City, Maryland 21043
 301-461-2690 FAX: 301-750-3176

7-20-90
 DATE

DESIGNED BY: LUG

DRAWN BY: LUG

PROJECT NO: 65203

DATE: JULY 20, 1990

SCALE: 1" = 30'

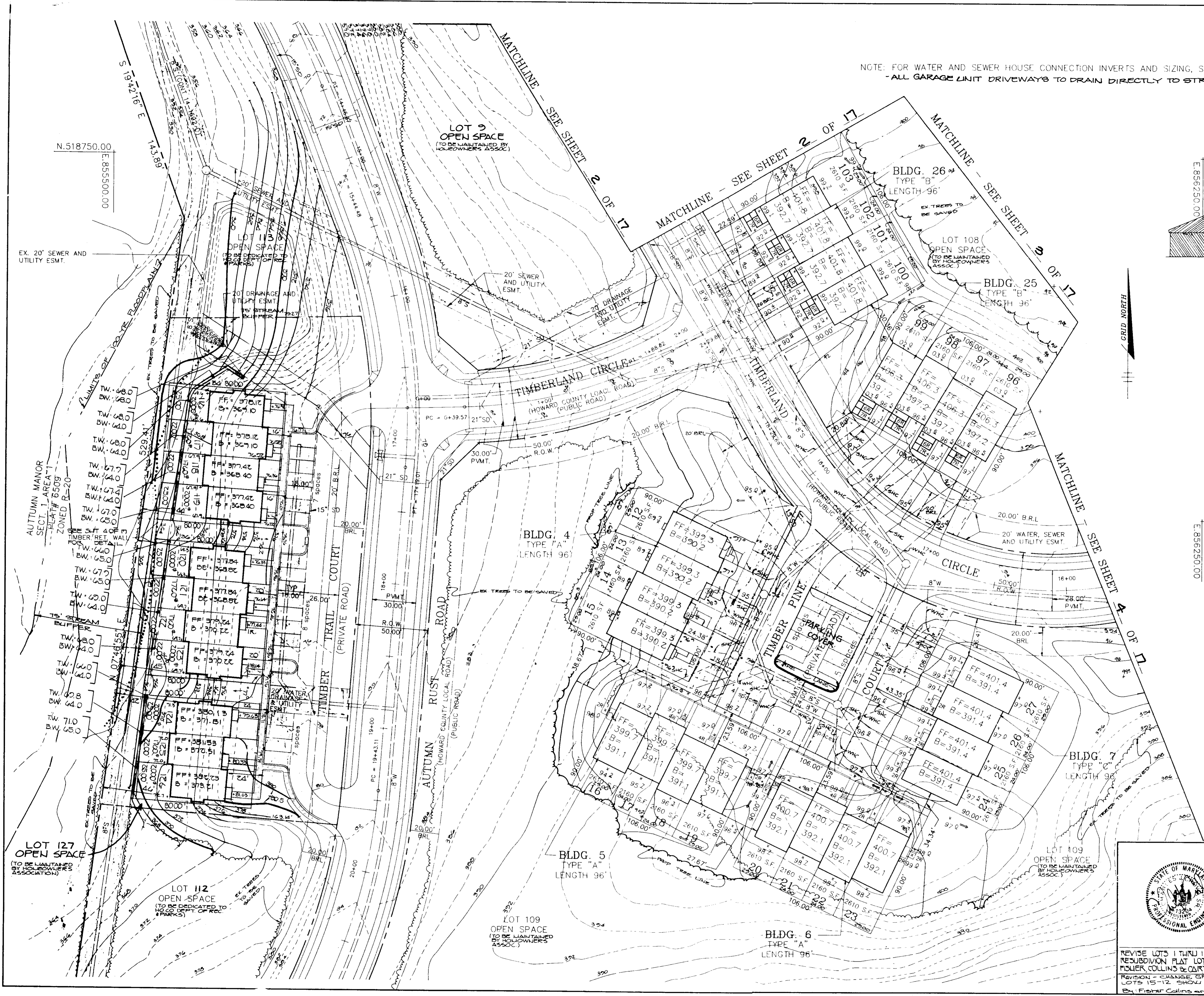
DRAWING NO. 5 OF 17



REVISE LOTS 116 THRU 126 TO MATCH RESUBDIVISION PLAT LOT 116 THRU 126 MOYER, COLLINS & CARTER 3/2/92
 REVISION - CHANGE GRADING BEHIND LOTS 15-12 SHOW DRIVEWAYS BY: Moyer, Collins and Carter 3/2/92

[Signature]
 ARTHUR E. MUEGGE 3/8/07

SDP-91-19 (REV.)



GRID NORTH

N.518500.00
 E.856250.00

N.518750.00
 E.855500.00

EX. 20" SEWER AND UTILITY ESMT.

AUTUMN MANOR SECT. 1 AREA 1 PLAT # 6509 ZONED E-20

LOT 127 OPEN SPACE (TO BE MAINTAINED BY HOMEOWNERS ASSOCIATION)

LOT 112 OPEN SPACE (TO BE DEDICATED TO PARKS)

LOT 9 OPEN SPACE (TO BE MAINTAINED BY HOMEOWNERS ASSOC.)

LOT 108 OPEN SPACE (TO BE MAINTAINED BY HOMEOWNERS ASSOCIATION)

LOT 109 OPEN SPACE (TO BE MAINTAINED BY HOMEOWNERS ASSOCIATION)

LOT 109 OPEN SPACE (TO BE MAINTAINED BY HOMEOWNERS ASSOC.)

NECIA A. SALAN, ET. AL.
1646/168
ZONED: R-ED

OPEN SPACE
LOT 109
(TO BE MAINTAINED BY
HOMEOWNERS ASSOC.)

OPEN SPACE
LOT 109
(TO BE MAINTAINED BY
HOMEOWNERS ASSOC.)

BLDG. 20
TYPE "A"
LENGTH: 96'

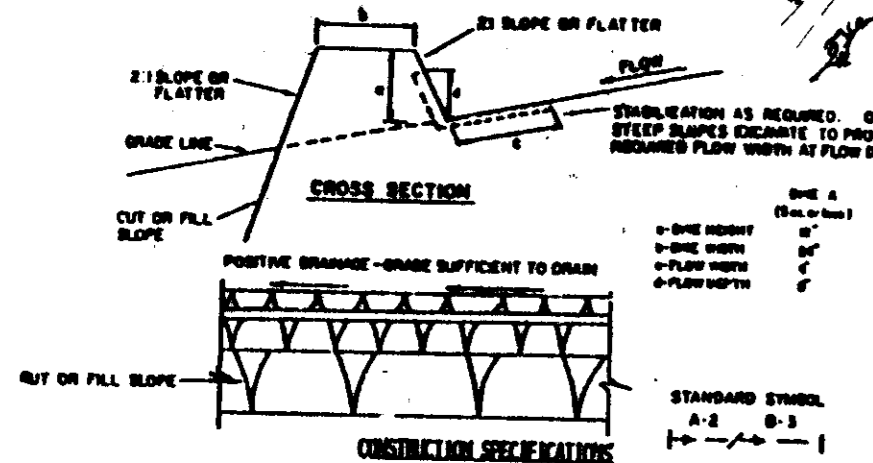
BLDG. 19
TYPE "A"
LENGTH: 96'

BLDG. 18
TYPE "A"
LENGTH: 96'

BLDG. 17
TYPE "A"
LENGTH: 96'

BLDG. 21
TYPE "B"
LENGTH: 96'

BLDG. 27
TYPE "B"
LENGTH: 96'



- ALL DIKES SHALL BE CONSTRUCTED BY BANK-POURING EQUIPMENT.
 - DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET OF WIDTH NOT LESS THAN 18" AND SLOPE MAY BE FLATTER IF DESIRED TO FACILITATE CONSTRUCTION BY GRADING OR TRUCKS AS NEEDED TO UTILIZE A STABILIZED SAFE DRAINAGE.
 - FIELD LOCATIONS SHOULD BE IDENTIFIED AS NEEDED TO UTILIZE A STABILIZED SAFE DRAINAGE. SHALL BE CONSTRUCTED TO A MINIMUM OF 18" ABOVE FINISHED GRADE. TRUCKS SHALL BE KEPT OFF THE DIKE AT ALL TIMES. THE DIKE SHALL BE MAINTAINED AT ALL TIMES.
 - STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW PALS IF NOT IN EXISTING RECORDS. (B) PLANT COVERED AS PER THE CHECK SHEET.
- | TYPE OF MATERIAL | THICKNESS | LINE A | LINE B |
|------------------|-----------|-------------------------------|-------------------------|
| 1 | 5-3.00 | Seed and Straw Mulch | Seed and Straw Mulch |
| 2 | 3.0-5.00 | Seed and Straw Mulch | Seed and Straw Mulch |
| 3 | 5.1-8.00 | Seed with Jute, or Soil Stone | Excelsior Soil 2" Stone |
| 4 | 8.1-20.00 | Layer Rip-Rap 4-8" | Engineering Design |
- A. Stone to be 2 inch stone, or recycled concrete equivalent, in a layer at least 3 inches in thickness and be placed into the dike with construction equipment.
- B. Rip-rap to be 4 inch stone in a layer at least 12 inches thickness and placed into the dike with construction equipment.
- 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.

EARTH DIKE
NO SCALE

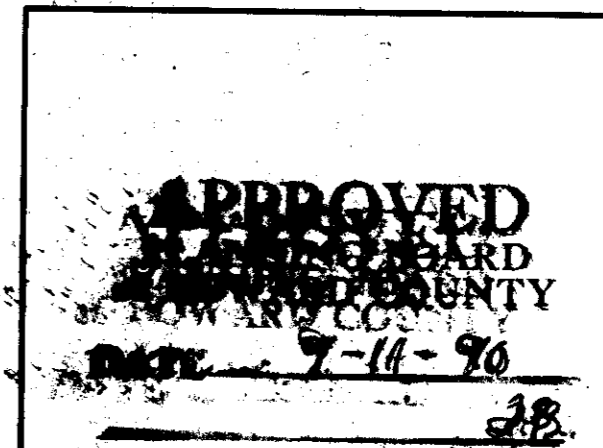
SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT.
- WATER MANAGEMENT POND PROPOSED UNDER P-89-151 MUST BE COMPLETED AND OPERATING BEFORE BEGINNING ANY CONSTRUCTION OF THESE PLANS.
- INSTALL SITE FENCE, BARRIERS, INLET PROTECTIONS, SEDIMENT TRAPS AND ALL SEDIMENT CONTROL DEVICES. (TEMPORARY SEDIMENT TRAP UNDER P-89-151 TO REMAIN).
- GRADE ENTIRE SITE EXCEPT AREA SURROUNDING LOTS 1-11, AND BEGIN BUILDING CONSTRUCTION.
- COMPLETE BUILDING CONSTRUCTION AND STABILIZE THE DISTURBED AREA IN ACCORDANCE WITH PERMANENT SEDIMENT CONTROL.
- GRADE AREA SURROUNDING LOTS 1-11, AND WHILE BUILDING CONSTRUCTION.
- COMPLETE BUILDING CONSTRUCTION AND IMMEDIATELY STABILIZE THE DISTURBED AREA IN ACCORDANCE WITH PERMANENT SEDIMENT CONTROL.
- IF ANY STAY IS RECOMMENDED IN THE SUB FACILITY USE SO CONSTRUCTION IS NOT TO BE IN THE DISTURBED AREA. THE WATER MANAGEMENT POND THROUGH THE FACILITY AS PER THE CONDITIONS PRIOR TO DEVELOPMENT OF THE SUB.
- UPON APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF LICENSING & PERMIT SEDIMENT CONTROL INSPECTION, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE THE AREA DISTURBED BY THEIR REMOVAL IN ACCORDANCE WITH PERMANENT SEDIMENT CONTROL.

LEGEND

- SILT FENCE
- EARTH DIKE
- STONE FILTER INLET PROTECTION
- LIMIT OF DISTURBANCE

BY THE DEVELOPER:	
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT - APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."	
DEVELOPER	DATE
BY THE ENGINEER:	
"I 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."	
ENGINEER	DATE
REVIEWED FOR: HOWARD S.C.D.	
AND MEETS TECHNICAL REQUIREMENTS	
DATE: 10/24/90	
DATE: 10/23/90	
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
DATE: 11-14-90	
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
DATE: 12/7/90	
DATE: 12/2/90	
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
DATE: 11-6-90	
DATE NO.	REVISION
OWNER / DEVELOPER	
TAYLOR LAND SERVICE COMPANY, INC. C/O LAND DESIGN AND DEVELOPMENT 8501 MAIN STREET FLORENCE CITY, MD. 21047	
PROJECT	
TOWNHOMES OF TIMBERLAND (SINGLE FAMILY ATTACHED)	
AREA TAX MAP 25 PARCEL 85 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE	
GRADING AND SEDIMENT CONTROL PLAN LOTS 64 - 79, 80 - 83 & 104 - 107	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 3105 North Ridge Road Ellicott City, Maryland 21043 301-461-2690 FAX: 301-750-3176	
DATE: 10/19/90	S 86-48, P 87-62, P 87-63, P 87-64 SDP 90 - 54
DESIGNED BY: LUG	
DRAWN BY: LUG	
PROJECT NO: 65210	
DATE: 8-2-90	
SCALE: 1" = 30'	
ARTHUR E. MUEGGE #8707	DRAWING NO. 6 OF 17



50149119

PERMANENT SEEDING NOTES

Apply to graded or cleared areas 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, if not previously loosened.

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 600 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 60 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 seed, possible in the spring. Option (3) Seed with 60 lbs./acre Kentucky 31 Tall Fescue and mulch with 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 reseeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed 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, if not previously loosened.

Soil Amendments: Apply 600 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 rye (3.2 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 feet 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.

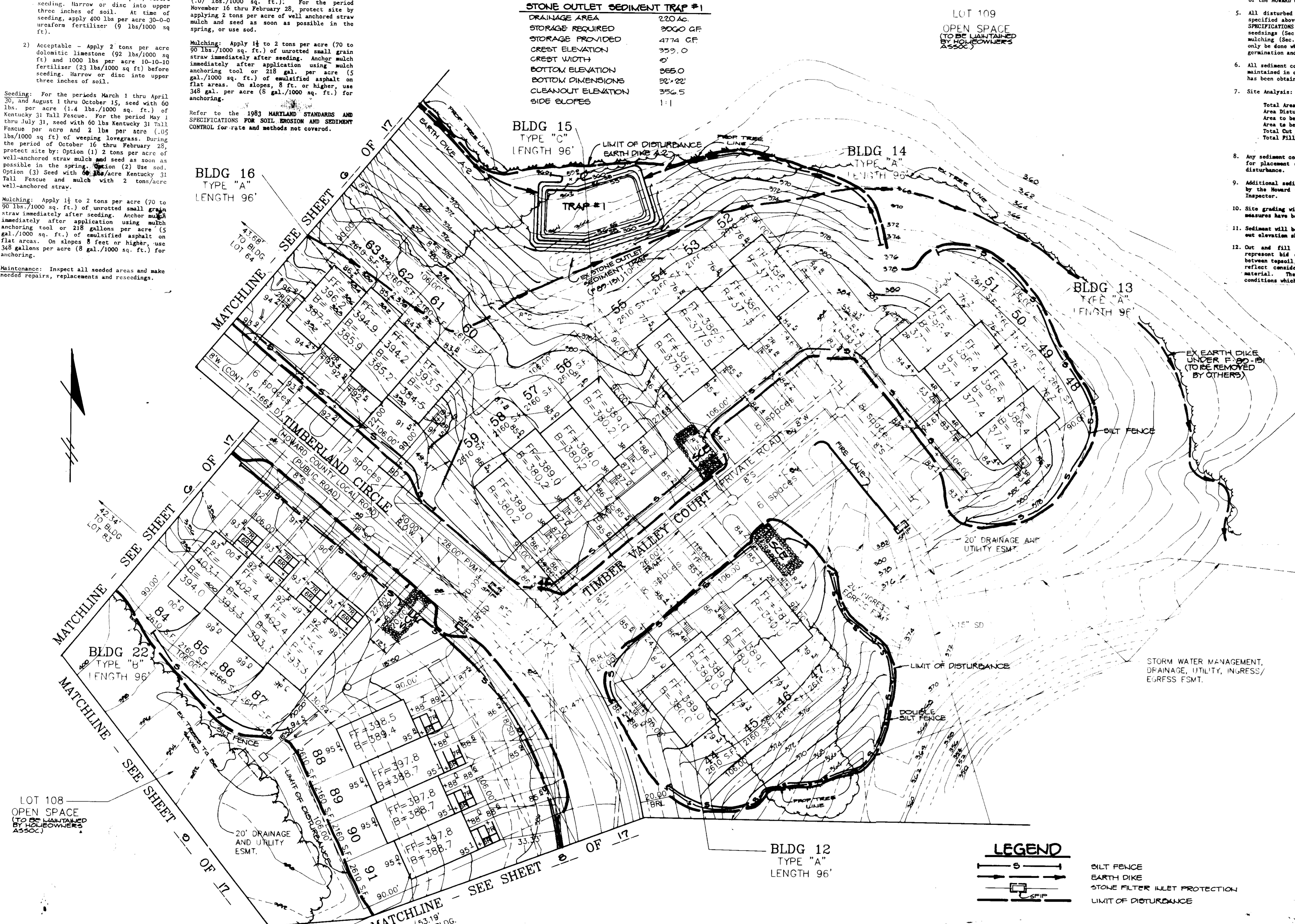
NOTES

- 1. ALL SLOPES EXCEEDING 1% MUST BE VEGETATIVELY STABILIZED IMMEDIATELY AFTER CONSTRUCTION OR DISTURBANCE IN ACCORDANCE WITH E.S.C. 63.01-63.05 OF STANDARDS & SPECIFICATIONS FOR SEDIMENT AND EROSION CONTROL.
- 2. ALL SWALES MUST BE LINED WITH EROSION CONTROL MATTING AFTER SEEDING.
- 3. ALL EXPOSED AREAS MUST RECEIVE A MINIMUM LAYER OF TOP SOIL IN ACCORDANCE WITH SECTION 57.01 & 57.02 OF STANDARDS AND SPECIFICATIONS FOR SEDIMENT AND EROSION CONTROL.

STONE OUTLET SEDIMENT TRAP #1

Table with 2 columns: Description and Value. Includes Drainage Area (220 AC), Storage Required (9000 CF), Storage Provided (4774 CF), Crest Elevation (359.0), Crest Width (0'), Bottom Elevation (265.0), Bottom Dimensions (52'x22'), Cleanout Elevation (356.5), and Side Slopes (1:1).

LOT 109 OPEN SPACE (TO BE MAINTAINED BY HOWARD COUNTY ASSOC.)



LEGEND

- Silt Fence
- Earth Dike
- Stone Filter Inlet Protection
- Limit of Disturbance

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 (998-2437).
- 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) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 22). 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 95.4 acres, Area Disturbed 11.75 acres, Area to be Sped or Paved 8.50 acres, Area to be Vegetatively Stabilized 11.150 acres, Total Cut 14.250 cu. yds., Total Fill 14.250 cu. yds.
- 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 control must be provided, if deemed necessary by the Howard County Department of Public Works Sediment Control Inspector.
- 10. Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
- 11. Sediment will be removed from traps when its depth reaches the clean wet elevation shown on the plans.
- 12. Cut and fill quantities provided under site analysis do not represent bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of undercutting or removal of unsuitable material. The contractor shall familiarize himself with site conditions which may affect the work.

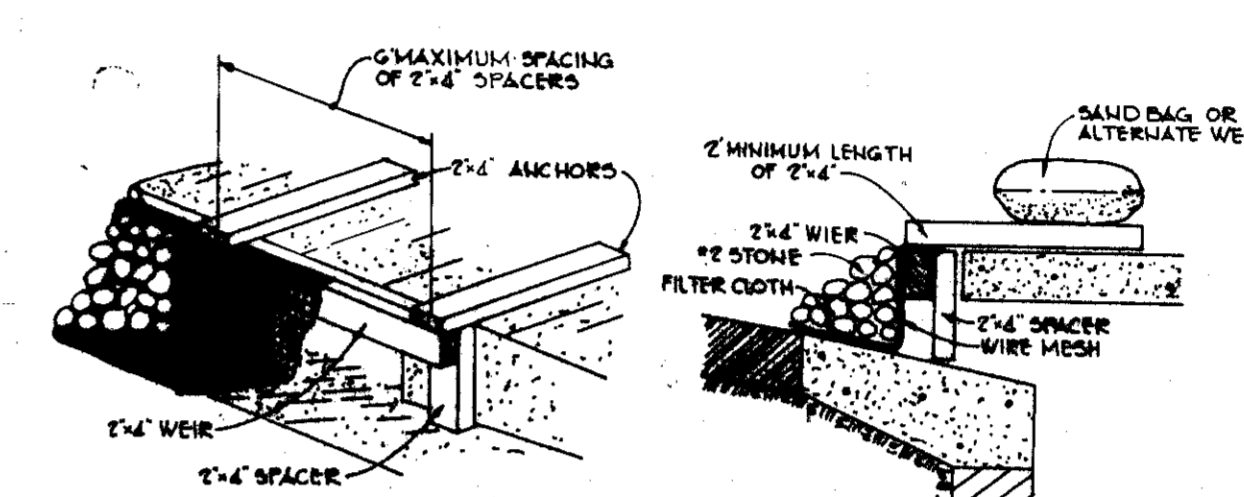
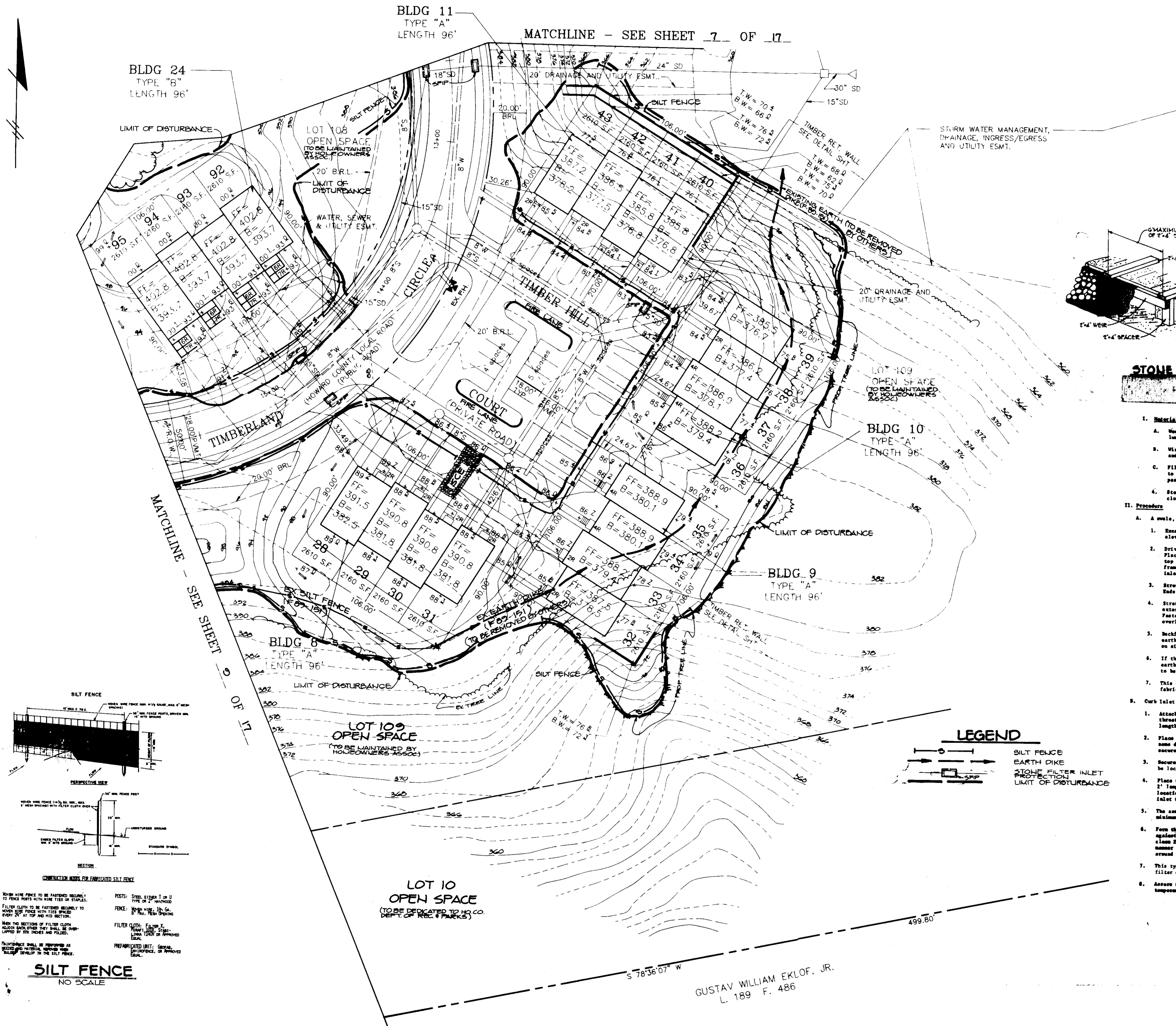
Approval stamps and signatures. Includes 'BY THE DEVELOPER' dated 10-19-90, 'BY THE ENGINEER' dated 10-19-90, and 'REVIEWED FOR HOWARD COUNTY' dated 10/24/90. Signatures include J. M. Muegge and J. J. Muegge.

Approval stamps from Howard County departments. Includes 'APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT' dated 11-14-90, 'APPROVED FOR HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING' dated 12-7-90, and 'APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS' dated 11-2-90.

Project information table. Includes Date No., Revision, Owner/Developer (Taylor Land Service Company, Inc.), Project (Townhomes of Timberland), Area (Tax Map 25, Parcel 65), Title (Grading and Sediment Control Plan), and Drawing No. (7 of 17).

Professional Engineer stamp for Arthur E. Muegge, License No. 48707, dated 9-11-90. Includes project details: S 86-48, P 87-62, F 89-151, SDP 90-54, Designed by LUG, Drawn by LUG, Project No. 65203, Date 8-3-90, Scale 1" = 30', Drawing No. 7 of 17.

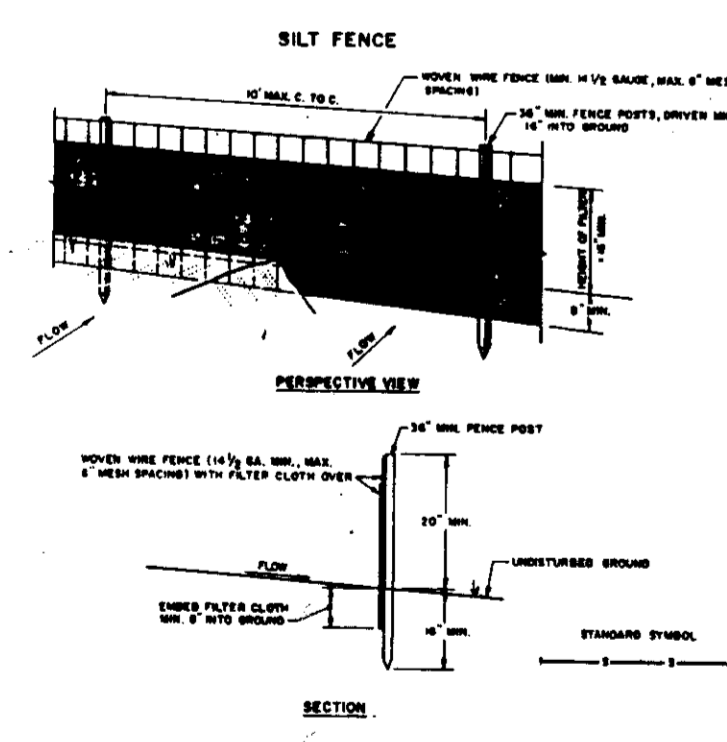
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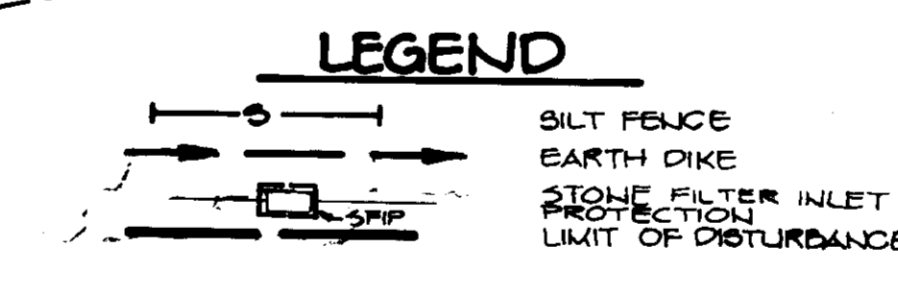
STONE FILTER INLET PROTECTION

STANDARD SYMBOL - 61
 CONSTRUCTION SPECIFICATION

- I. Materials**
 - When frame is to be constructed of 2" x 4" construction grade lumber.
 - Wire mesh must be of sufficient strength to support filter fabric, and stems for curb inlets, with water fully inundated against it.
 - Filter cloth must be of a type approved for this purpose resistant to sunlight with sieve size, 20, 40-85, to allow sufficient passage of water and removal of sediment.
 - Stone is to be 2" in size and clean, since fines would clog the cloth.
- II. Procedure**
 - Wash Inlet Protection.**
 - Excavate completely around inlet to a depth of 18" below notch elevation.
 - 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 (refer shown). Top of frame (wire) must be 6" below edge of roadway adjacent to inlet.
 - Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
 - Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch allow. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.
 - Backfill around inlet in unspaced 6" layers until layer of earth is even with notch elevation on ends and top elevation on sides.
 - If the inlet is not in a low point, construct a connected earth dike in the ditchline below it. The top of this dike is to be at least 6" higher than the top of frame (wire).
 - This structure must be inspected frequently and the filter fabric replaced when clogged.
 - Curb Inlet Protection.**
 - Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 2") as shown on the standard drawing.
 - Place a piece of approved filter cloth (40-85 mesh) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
 - Securely nail the 2" x 4" weir to 9" long vertical spacers to be located between the weir and inlet face (max. 8' apart).
 - Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations). These 2" x 4" members shall extend across the inlet top and be held in place by sandbags or alternate weight.
 - The assembly shall be placed so that the end spacers are a minimum 1' beyond both ends of the throat opening.
 - Form the wire mesh and filter cloth to the annular gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner so to prevent water from entering the inlet under or around the filter cloth.
 - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 - Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.



- SILT FENCE**
NO SCALE
- Move wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to wire frame with ties spaced every 4' at top and mid section.
 - Make the sections of filter cloth adjacent each other they shall be overlapped by six inches and folded.
 - Disturbance shall be prevented as needed to maintain structure as it develops in the silt fence.
- POSTS: STEEL STUDS 1" OR 1 1/2" DIA. x 2" THICK
 FENCE: 1/2" DIA. GALV. STEEL
 FILTER CLOTH: 40-85 MESH
 PREPARED LIMIT: GENERAL CONTRACTOR, OR APPROVED EQUAL.



BY THE DEVELOPER:
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."
 DEVELOPER: _____ DATE: 10-19-90

BY THE ENGINEER:
 "I 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."
 ENGINEER: _____ DATE: 10-19-90

REVIEWED FOR: **HOWARD** S.C.D.
 AND BEST TECHNICAL REQUIREMENTS
 DATE: 10/24/90
 S. SOIL CONSERVATION SERVICE
 APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 DATE: 10/23/90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT.
 COUNTY HEALTH OFFICER: _____ DATE: 11-14-90
 APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
 DIRECTOR: _____ DATE: 12/1/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: _____ DATE: 12/1/90
 APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 DIRECTOR: _____ DATE: 11-2-90
 CHIEF, BUREAU OF ENGINEERING: _____ DATE: 11-6-90

OWNER / DEVELOPER
 TAYLOR LAND SERVICE COMPANY, INC.
 C/O LAND DESIGN AND DEVELOPMENT
 8807 MAIN STREET
 FREDERICK CITY, MD. 21043
 PROJECT: TOWNHOMES OF TIMBERLAND (SINGLE FAMILY ATTACHED)
 AREA TAX MAP 25 PARCEL 65
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 TITLE: GRADING AND SEDIMENT CONTROL PLAN
 LOTS 28 - 43 & 92 - 95

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road
 301-461-2690
 Elliecott City, Maryland 21043
 FAX: 301-750-3176
 DATE: 10-19-90
 DESIGNED BY: LUG
 DRAWN BY: LUG
 PROJECT NO.: 65203
 DATE: 8-5-90
 SCALE: 1" = 30'
 DRAWING NO.: 8 OF 17

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 10-19-90
 BY: _____

GUSTAV WILLIAM EKLOF, JR.
 L. 189 F. 486

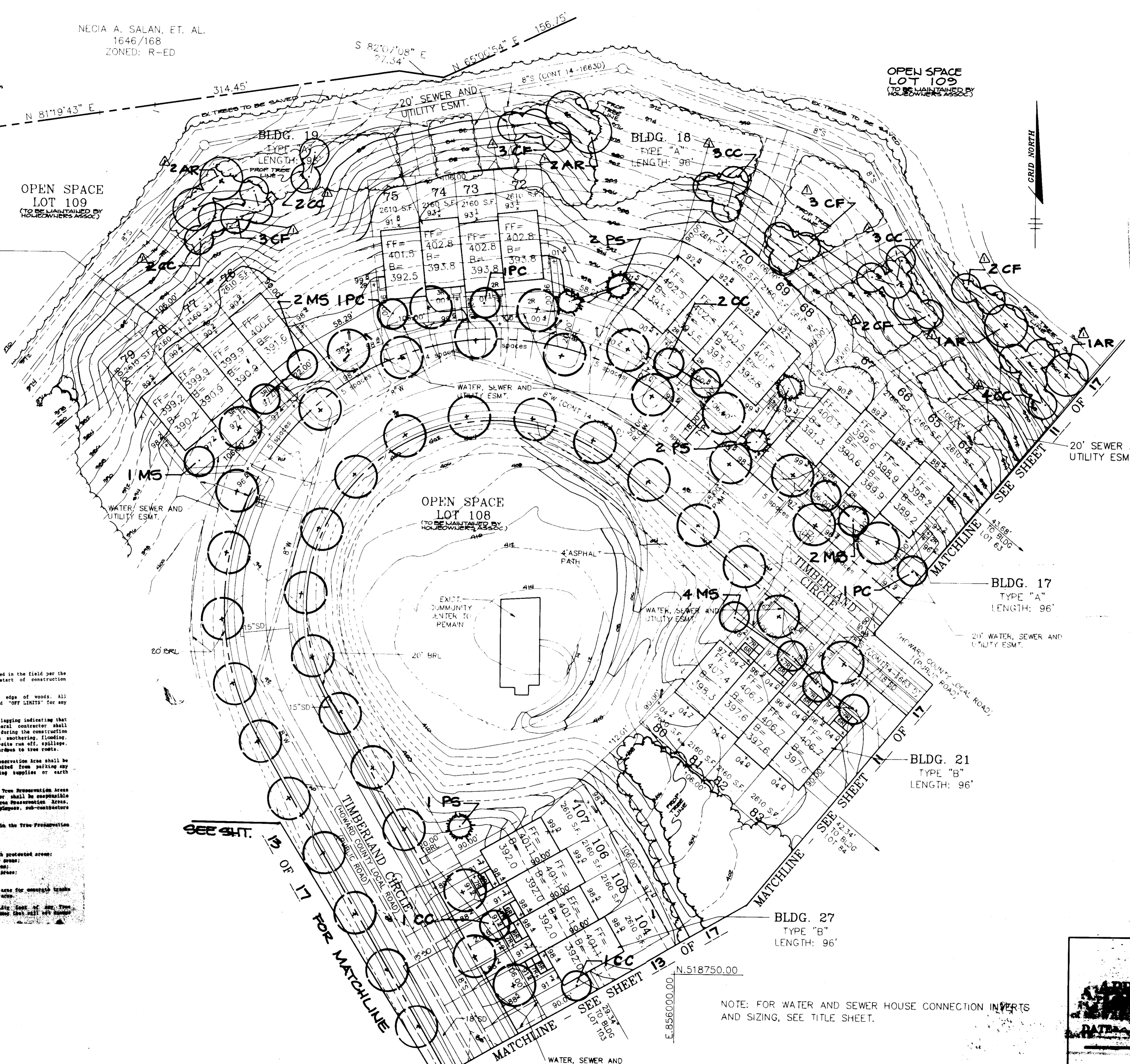
NECIA A. SALAN, ET. AL.
1646/168
ZONED: R-ED

PLANT LIST

QTY.	SYMBOL	NAME	SIZE	REMARKS
22	AR	ACER RUBRUM 'Red Sunset' Red Maple	2 1/2"-3" cal. 12'-14' ht.	B&B
20	CC	CERCIS CANADENSIS Eastern Redbud	8'-10' ht.	B&B
11	FP	FRAXINUS PENNSYLVANICA 'Marshall Seedless' Marshall Seedless Green Ash	2 1/2"-3" cal. 12'-14' ht.	B&B
21	MS	MALUS SP. 'Snowdrift' Snowdrift Crabapple	8'-10' ht.	B&B
24	PC	PRUNUS CERASIFERA 'Thundercloud' Thundercloud Plum	8'-10' ht.	B&B
26	PS	PINUS STROBUS Eastern White Pine	6'-8' ht.	B&B Unheard
5	PE	PRUNUS CALLERYANA 'Bradford' Bradford Pear	2-2 1/2" cal. 10'-12' ht.	B&B

PROPOSED PLANT LIST

QTY.	SYMBOL	NAME	SIZE	REMARKS
6	AR	ACER RUBRUM 'Red Sunset' Red Maple	2 1/2" cal. 12' ht.	B&B
26	CC	CERCIS CANADENSIS Eastern Redbud	6-8' ht.	B&B
16	FP	FRAXINUS PENNSYLVANICA 'Marshall Seedless' Marshall Seedless Green Ash	6-8' ht.	B&B



- TREE PRESERVATION PROCEDURES**
- The edge of woods to be protected will be marked in the field per the approved Site Development Plan prior to the start of construction activity.
 - Flagging shall be installed at the drip line of the edge of woods. All areas within the flagging are to be considered "OFF LIMITS" for any construction activities.
 - The general contractor will affix signs near the flagging indicating that these areas are "TREE PRESERVATION AREAS". The general contractor shall take the utmost care to protect tree root systems during the construction cycle. Tree root systems shall be protected from smothering, flooding, excessive wetting from de-watering operations, off-site run off, soilings, and drainage of substances containing materials hazardous to tree roots.
 - Removal of top soil or root mat within the Tree Preservation Area shall be prohibited. The general contractor shall be prohibited from parking any construction equipment, or from storing building supplies or earth stockpiles within the Tree Preservation Area.
 - Foot traffic, as well as vehicular traffic, in the Tree Preservation Area shall be kept to a minimum. The general contractor shall be responsible for any tree damage or loss within the Tree Preservation Area, whether caused by the contractor, his agents, employees, sub-contractors or blowdown.
 - Construction activities expressly restricted within the Tree Preservation Area:
 - Placing backfill in proximity to trees;
 - Driving heavy site equipment across;
 - Driving construction equipment into or through protected areas;
 - Storing in or in close proximity to protected areas;
 - Heating or storage equipment in protected areas;
 - Conducting trenching operations in protected areas;
 - Grading beyond the limits of blowdown.
 - The general contractor shall provide a "TREE OFF" sign for unexcused trees on site, which will not require protection.
 - All trees which are not to be preserved within the Tree Preservation Area shall be removed in a manner that will not damage trees that are designated for preservation.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Joseph Broyles 11-14-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
Joseph Broyles 12/7/90
DIRECTOR DATE

Mark V. J. Kelly 12/7/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
William H. Smith 11-6-90
DIRECTOR DATE

William H. Smith 11-6-90
CHIEF, BUREAU OF ENGINEERING DATE

10-4-90 REPLANTING OF AREAS IMPACTED BY GRADING PER COMMENTS
DATE NO. REVISION

OWNER / DEVELOPER
TAYLOR LAND SERVICE COMPANY, INC.
C/O LAND DESIGN AND DEVELOPMENT
9807 MAIN STREET
ELICOTT CITY, MD. 21047

PROJECT
TOWNHOMES OF TIMBERLAND
(SINGLE FAMILY ATTACHED)

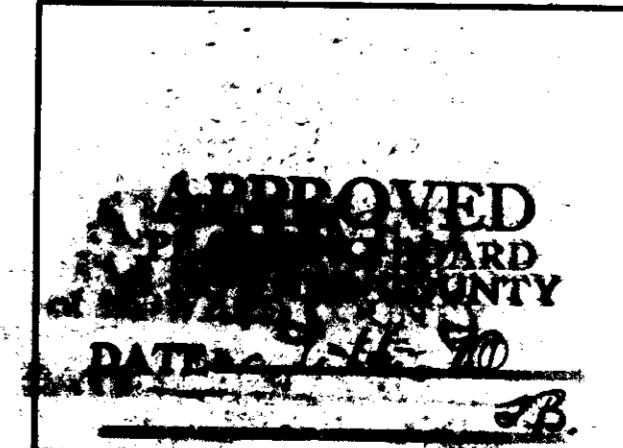
AREA TAX MAP 25 PARCEL 25
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
LANDSCAPE PLAN
LOTS 64 - 79, 80 - 83 & 104 - 107

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Elicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

10-13-90 S 86-48, P 87-62, P 82-51
SDP 90-54

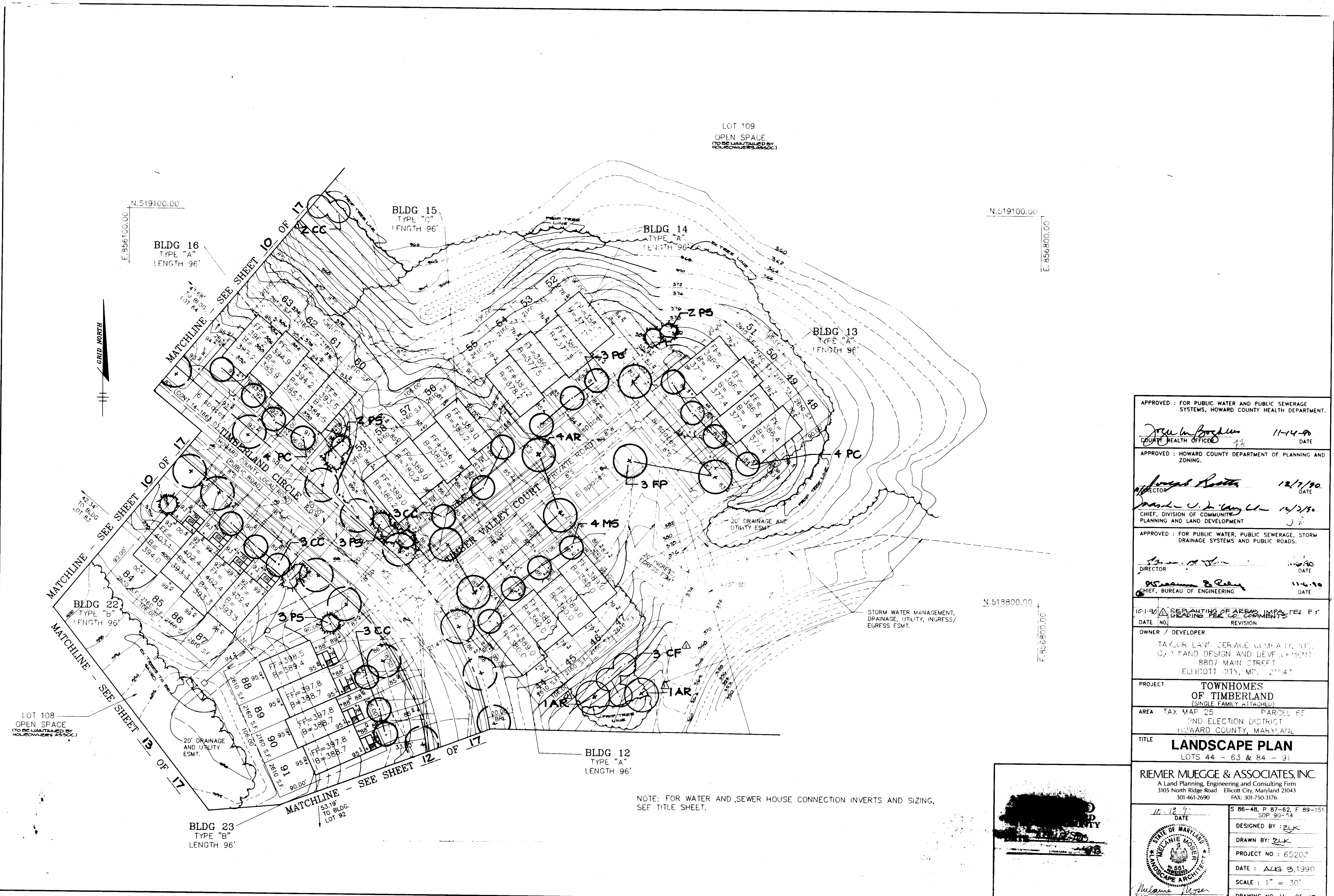
DESIGNED BY: ZLK
DRAWN BY: ZLK
PROJECT NO.: 65203
DATE: AUG 3, 1990
SCALE: 1" = 30'
DRAWING NO. 10 OF 17



NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS AND SIZING, SEE TITLE SHEET.

MELANIE MOSER
LANDSCAPE ARCHITECT

SWP SPP



LOT 109
OPEN SPACE
(TO BE MAINTAINED BY
HOUSEOWNERS ASSOC.)

N.519100.00

N.519100.00

E.856100.00

E.856800.00



BLDG 16
TYPE "A"
LENGTH 96'

BLDG 15
TYPE "C"
LENGTH 96'

BLDG 14
TYPE "A"
LENGTH 96'

BLDG 13
TYPE "A"
LENGTH 96'

BLDG 22
TYPE "B"
LENGTH 96'

BLDG 12
TYPE "A"
LENGTH 96'

BLDG 23
TYPE "B"
LENGTH 96'

LOT 108
OPEN SPACE
(TO BE MAINTAINED BY
HOUSEOWNERS ASSOC.)

STORM WATER MANAGEMENT,
DRAINAGE, UTILITY, INGRESS/
EGRESS ESMT.

N.518800.00

E.856800.00

NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS AND SIZING,
SEE TITLE SHEET.

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

John M. Bogdan 11-14-90
COUNTY HEALTH OFFICER DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND
ZONING.

James A. Smith 12/7/90
DIRECTOR DATE

Joseph J. Langley 12/7/90
CHIEF, DIVISION OF COMMUNITY
PLANNING AND LAND DEVELOPMENT DATE

APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM
DRAINAGE SYSTEMS AND PUBLIC ROADS.

James A. Smith 11-6-90
DIRECTOR DATE

William E. Reilly 11-6-90
CHIEF, BUREAU OF ENGINEERING DATE

10-1-90 REPLANTING OF AREAS IMPACTED BY
LEADING PER COMMENTS
DATE NO. REVISION

OWNER / DEVELOPER
TAYLOR LAND SERVICE COMPANY, INC.
LAND DESIGN AND DEVELOPMENT
8807 MAIN STREET
ELICOTT CITY, MD. 21047

PROJECT
TOWNHOMES
OF TIMBERLAND
(SINGLE FAMILY ATTACHED)

AREA TAX MAP 25 PARCEL 6E
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
LANDSCAPE PLAN
LOTS 44 - 63 & 84 - 91

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Elicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

11-12-90
DATE
SDP 90-54

DESIGNED BY: ZLK

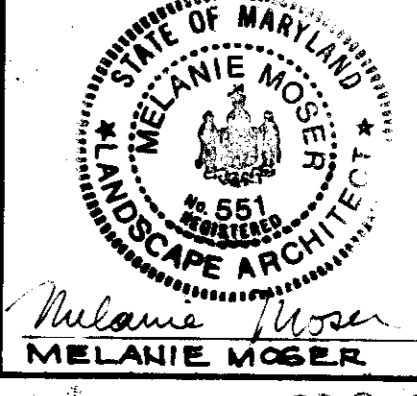
DRAWN BY: ZLK

PROJECT NO : 65207

DATE : AUG. 3, 1990

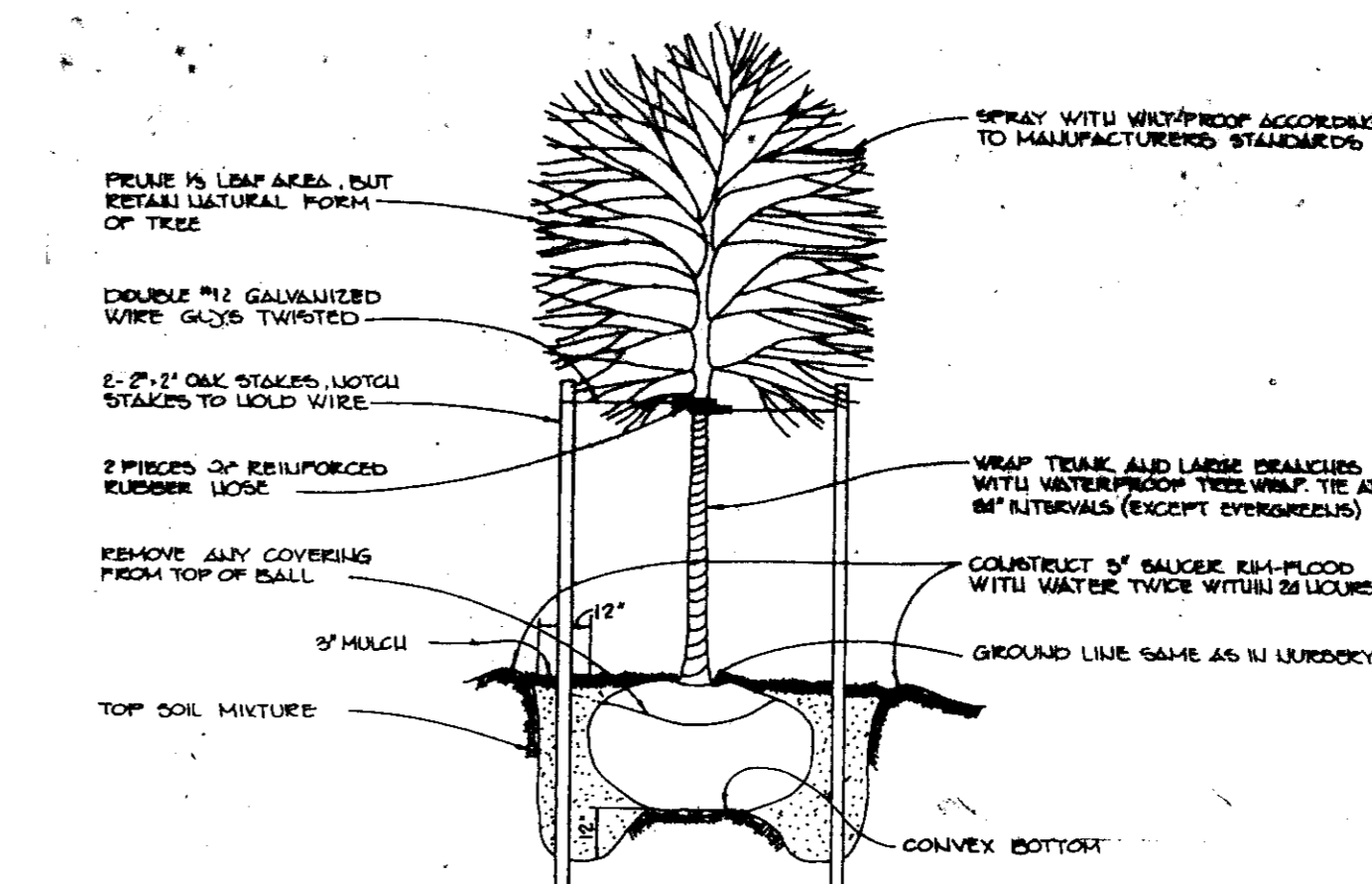
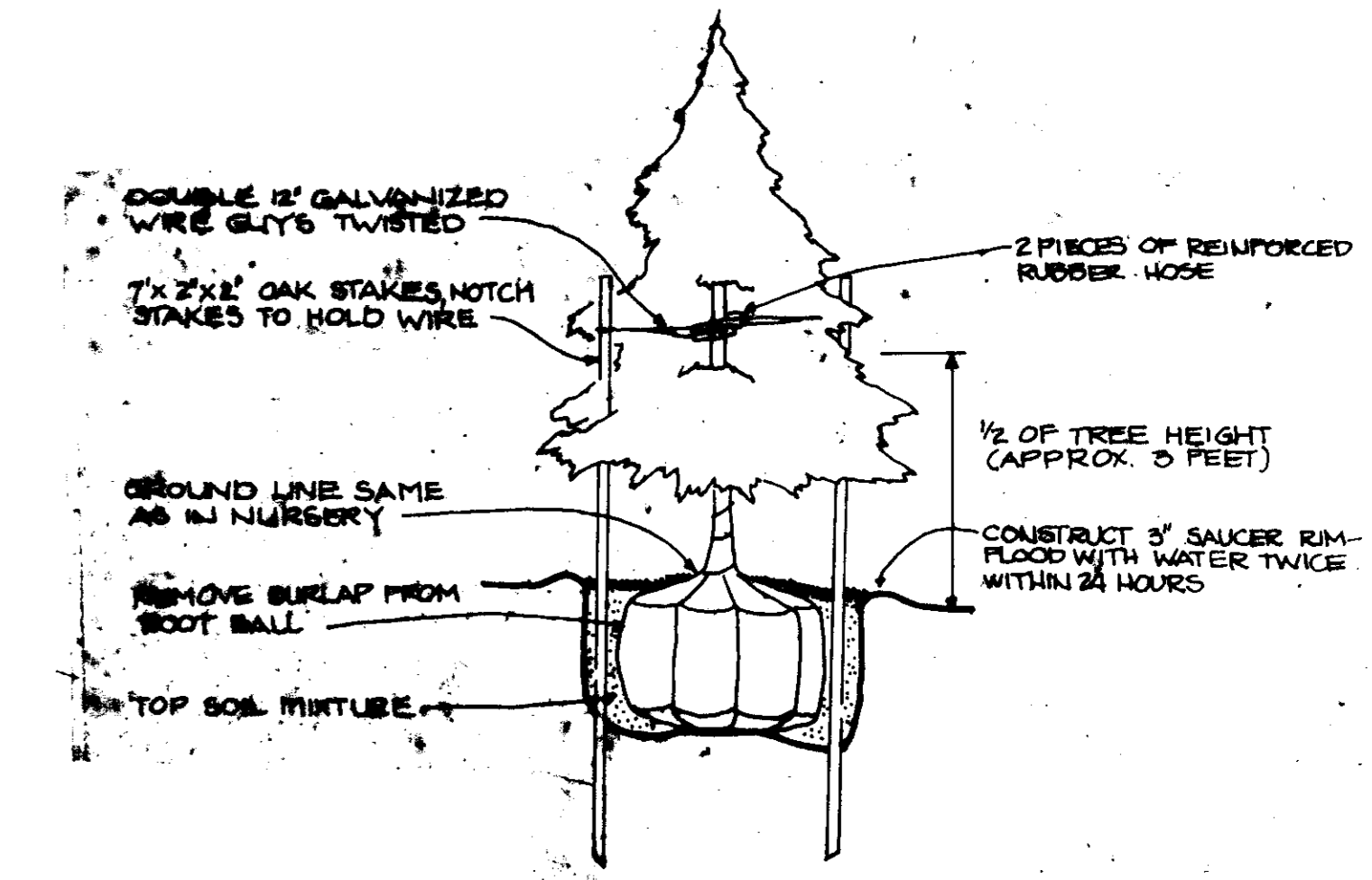
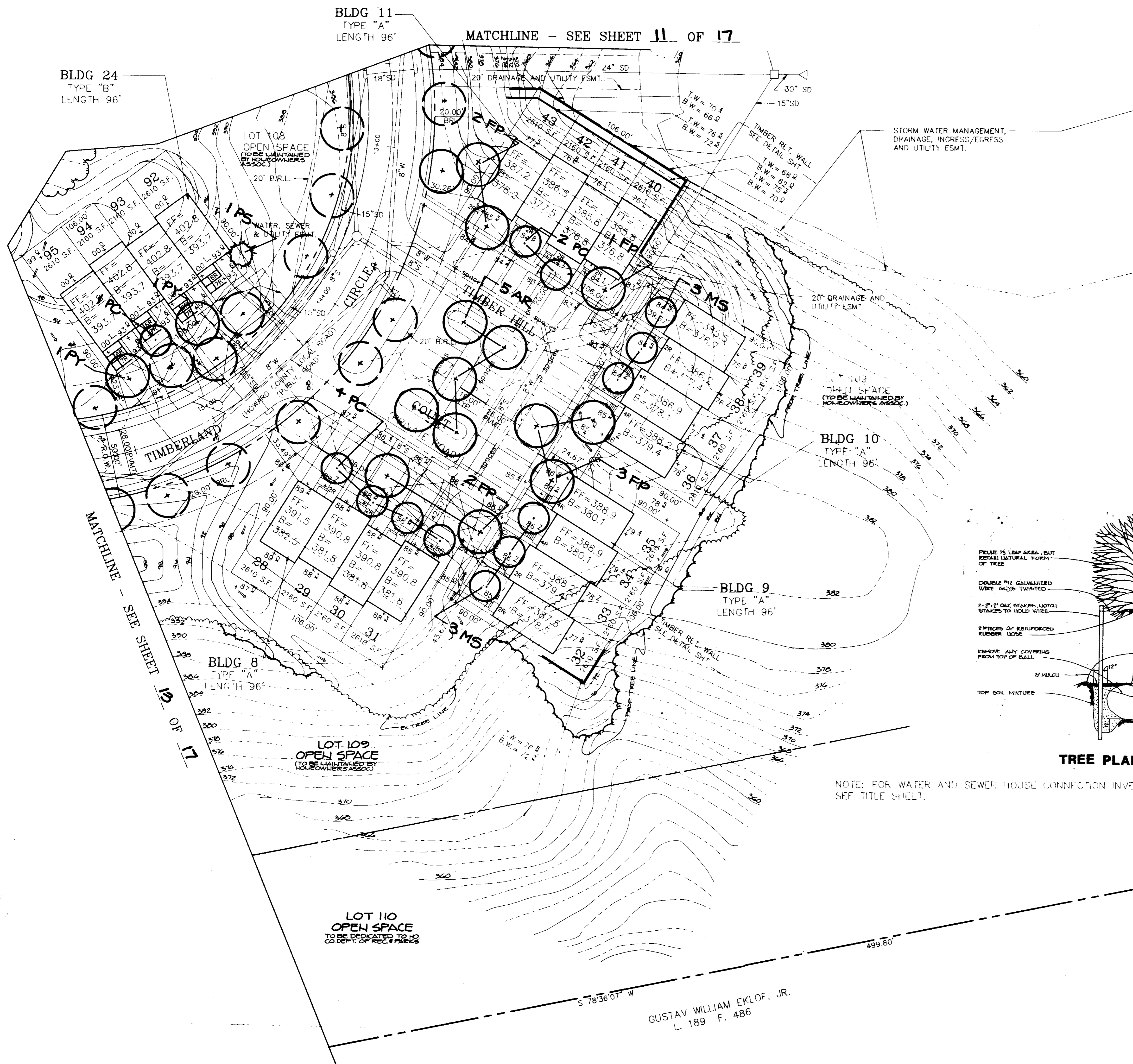
SCALE : 1" = 30'

DRAWING NO. 11 OF 17



Melanie Moser
MELANIE MOSER

SDP 91-19



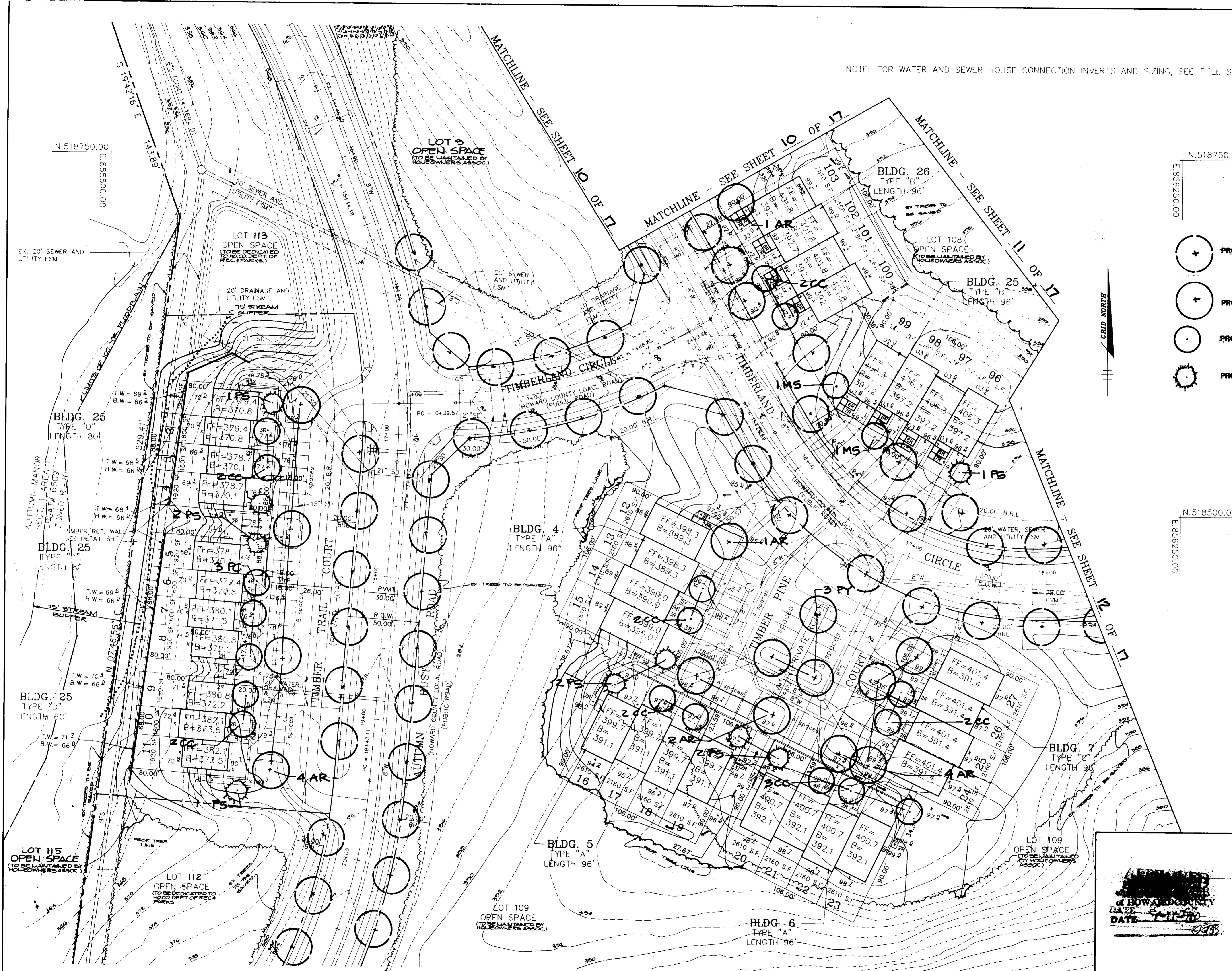
NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS AND SIZING, SEE TITLE SHEET.

APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Joseph Bogdan</i> COUNTY HEALTH OFFICER	11-14-90 DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>Joseph Bogdan</i> DIRECTOR	12/2/90 DATE
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>Melanie Moser</i> DIRECTOR	11-6-90 DATE
DATE NO. REVISION	
OWNER / DEVELOPER TAYLOR LAND SERVICE COMPANY, INC. 3000 LAND DESIGN AND DEVELOPMENT 3807 MAIN STREET FLOUBT CITY, MD. 21047	
PROJECT TOWNHOMES OF TIMBERLAND (SINGLE FAMILY ATTACHED)	
AREA TAX MAP 25 PARCEL 25 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE LANDSCAPE PLAN LOTS 28 -43 & 92 - 95	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 3105 North Ridge Road Ellicott City, Maryland 21043 301-461-2690 FAX: 301-750-3176	
<i>Melanie Moser</i> MELANIE MOSER LANDSCAPE ARCHITECT	10-18-90 DATE S 86-48P 87-62, F 86-101 SDP 90-54 DESIGNED BY : ZLK DRAWN BY: ZLK PROJECT NO. : 65203 DATE : AUG 3, 1990 SCALE : 1" = 30' DRAWING NO. 12 OF 17



SDP 91-19

NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS AND SIZING, SEE TITLE SHEET.



N.518750.00
E.856250.00

- PROPOSED STREET TREES PER ROAD DRAWINGS
- PROPOSED SHADE TREE
- PROPOSED FLOWERING TREE
- PROPOSED EVERGREEN TREE

GRID NORTH

N.518500.00
E.856250.00

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

Joseph Borders 11-14-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Joseph Borders 12/7/90
DIRECTOR DATE

Melanie Mober 12/15/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

Joseph Borders 11-14-90
DIRECTOR DATE

Joseph Borders 11-14-90
CHIEF, BUREAU OF ENGINEERING DATE

DATE NO. REVISION

OWNER / DEVELOPER
TAYLOR LAND SERVICE COMPANY, INC.
LAND DESIGN AND DEVELOPMENT
8807 MAIN STREET
FELICOTT CITY, MD. 21043

PROJECT
TOWNHOMES OF TIMBERLAND
(SINGLE FAMILY ATTACHED)

AREA TAX MAP 25 PARCEL 65
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
LANDSCAPE PLAN
LOTS 1 - 27 & 96 - 103

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

10-13-90 DATE
SDP 90-54

DESIGNED BY: ZLK

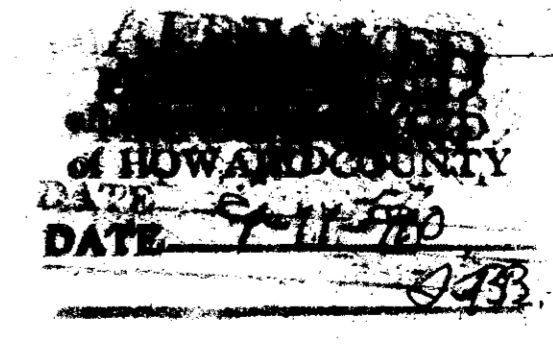
DRAWN BY: ZLK

PROJECT NO: 65200

DATE: AUG. 3, 1990

SCALE: 1" = 30'

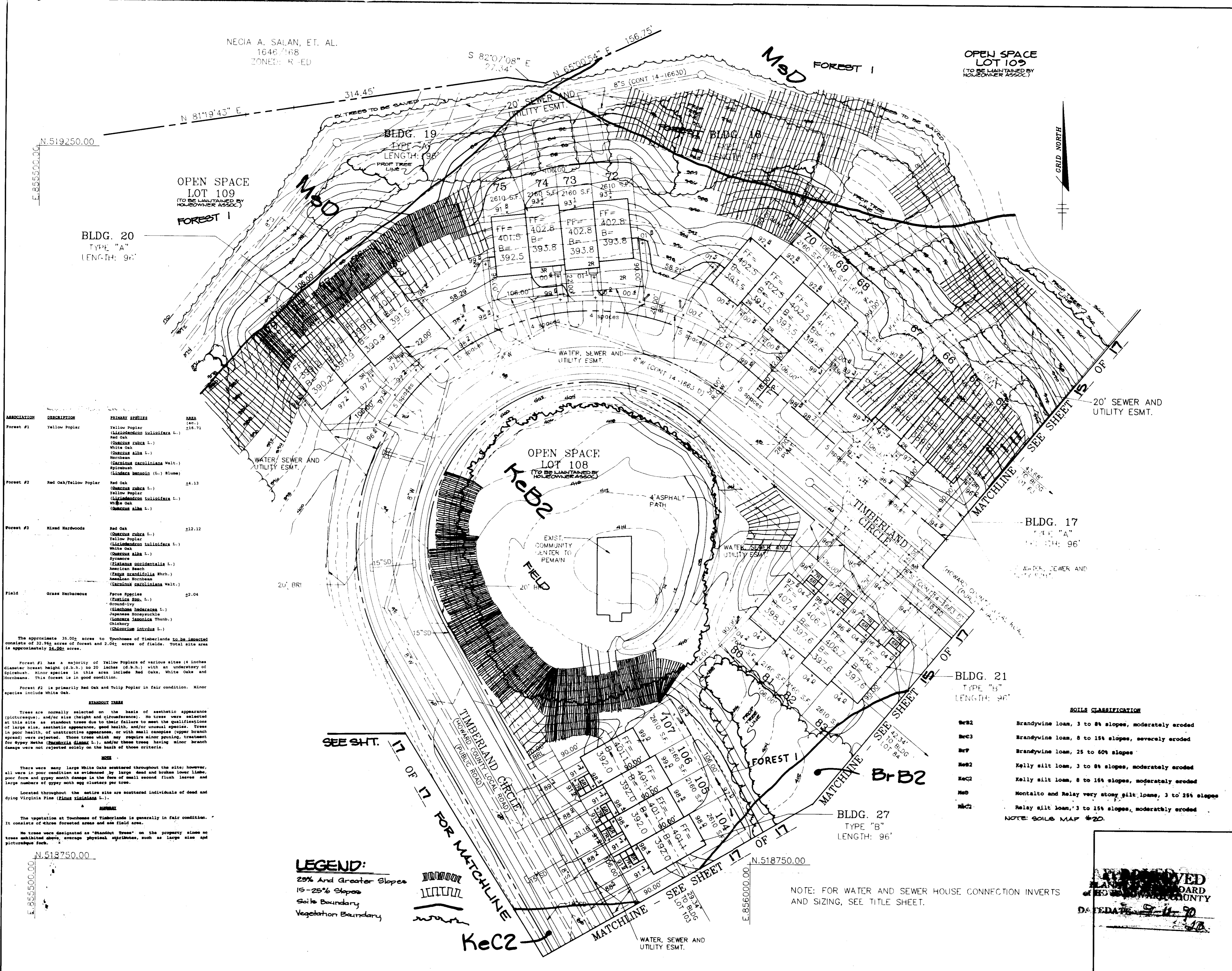
DRAWING NO. 13 OF 17



SDP 91-19

NECIA A. SALAN, ET. AL.
16467168
ZONED: R-ED

OPEN SPACE
LOT 109
(TO BE MAINTAINED BY
HOMEOWNER ASSOC.)



ASSOCIATION	DESCRIPTION	PRIMARY SPECIES	AREA (ac.)
Forest #1	Yellow Poplar	Yellow Poplar (Liriodendron tulipifera L.) Red Oak (Quercus rubra L.) White Oak (Quercus alba L.) Horseshoe (Cascadia sarcocolla Walt.) Spicewood (Liquidambar styraciflua L.)	216.71
Forest #2	Red Oak/Yellow Poplar	Red Oak (Quercus rubra L.) Yellow Poplar (Liriodendron tulipifera L.) White Oak (Quercus alba L.) Horseshoe (Cascadia sarcocolla Walt.)	24.13
Forest #3	Mixed Hardwoods	Red Oak (Quercus rubra L.) Yellow Poplar (Liriodendron tulipifera L.) White Oak (Quercus alba L.) Sycamore (Liquidambar styraciflua L.) American Beech (Fagus grandifolia Ehrh.) American Hornbeam (Carpinus caroliniana Walt.)	212.12
Field	Grass Herbaceous	Fescue Species (Festuca sp. L.) Ground-Ivy (Glechoma hederacea L.) Japanese Honeyuckle (Lonicera japonica Thunb.) Chickory (Chicorium intybus L.)	22.04

The approximate 35.00 acres to Townhomes of Timberlands to be impacted consists of 32.46 acres of forest and 2.042 acres of fields. Total site area is approximately 35.002 acres.

Forest #1 has a majority of Yellow Poplars of various sizes (4 inches diameter breast height (d.b.h.) to 20 inches (d.b.h.)) with an understory of Spicewood. Minor species in this area include Red Oaks, White Oaks and Hornbeams. This forest is in good condition.

Forest #2 is primarily Red Oak and Yellow Poplar in fair condition. Minor species include White Oak.

STANDSTOCK TREES
Trees are normally selected on the basis of aesthetic appearance (picturesque), and/or size (height and circumference). No trees were selected at this site as standstock trees due to their failure to meet the qualifications of large size, aesthetic appearance, good health, and/or unusual species. Trees in poor health, of unattractive appearance, or with small canopies (upper branch spread) were rejected. Those trees which may require minor pruning, treatment for spruce beetle (*Picea dimora* L.), and/or those trees having minor branch damage were not rejected solely on the basis of these criteria.

NOTES
There were many large White Oaks scattered throughout the site; however, all were in poor condition as evidenced by large dead and broken lower limbs, poor form and upper moth damage in the form of small second flush leaves and large numbers of upper moth egg clusters per tree.

Located throughout the entire site are scattered individuals of dead and dying Virginia Pine (*Pinus virginiana* L.).

REMARKS
The vegetation at Townhomes of Timberlands is generally in fair condition. It consists of three forested areas and one field area.

No trees were designated as "standstock trees" on the property since no trees exhibited above average physical attributes, such as large size and picturesque form.

LEGEND:
25% And Greater Slopes
15-25% Slopes
Soil Boundary
Vegetation Boundary

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

Joseph W. Bopp 11-14-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James S. Rutter 12/2/90
DIRECTOR DATE

Mark S. Taylor 12/3/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

James H. ... 11-2-90
DIRECTOR DATE

William B. ... 11-6-90
CHIEF, BUREAU OF ENGINEERING DATE

OWNER / DEVELOPER

TAYLOR LAND SERVICE COMPANY, INC.
LAND DESIGN AND DEVELOPMENT
8807 MAIN STREET
ELLCOTT CITY, MD. 21047

PROJECT: TOWNHOMES OF TIMBERLAND (SINGLE FAMILY ATTACHED)

AREA TAX MAP 25 PARCEL 65
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: ENVIRONMENTAL ANALYSIS
LOTS 64 - 79, 80 - 83 & 104 - 107

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

10-18-90 DATE

S 86-48, P 87-82, F 89-101
SDP 90-54

DESIGNED BY: LJC

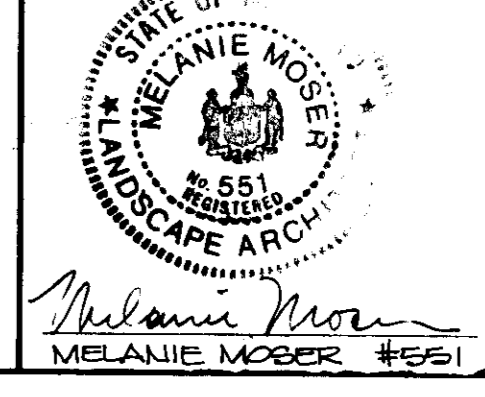
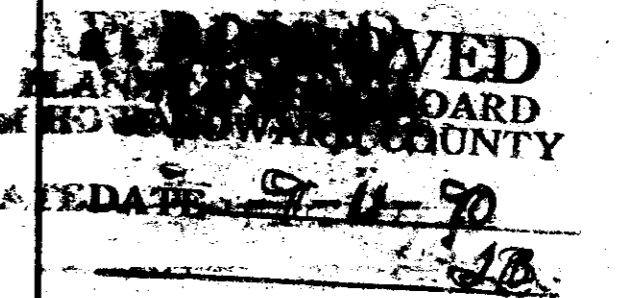
DRAWN BY: LJC

PROJECT NO: 65203

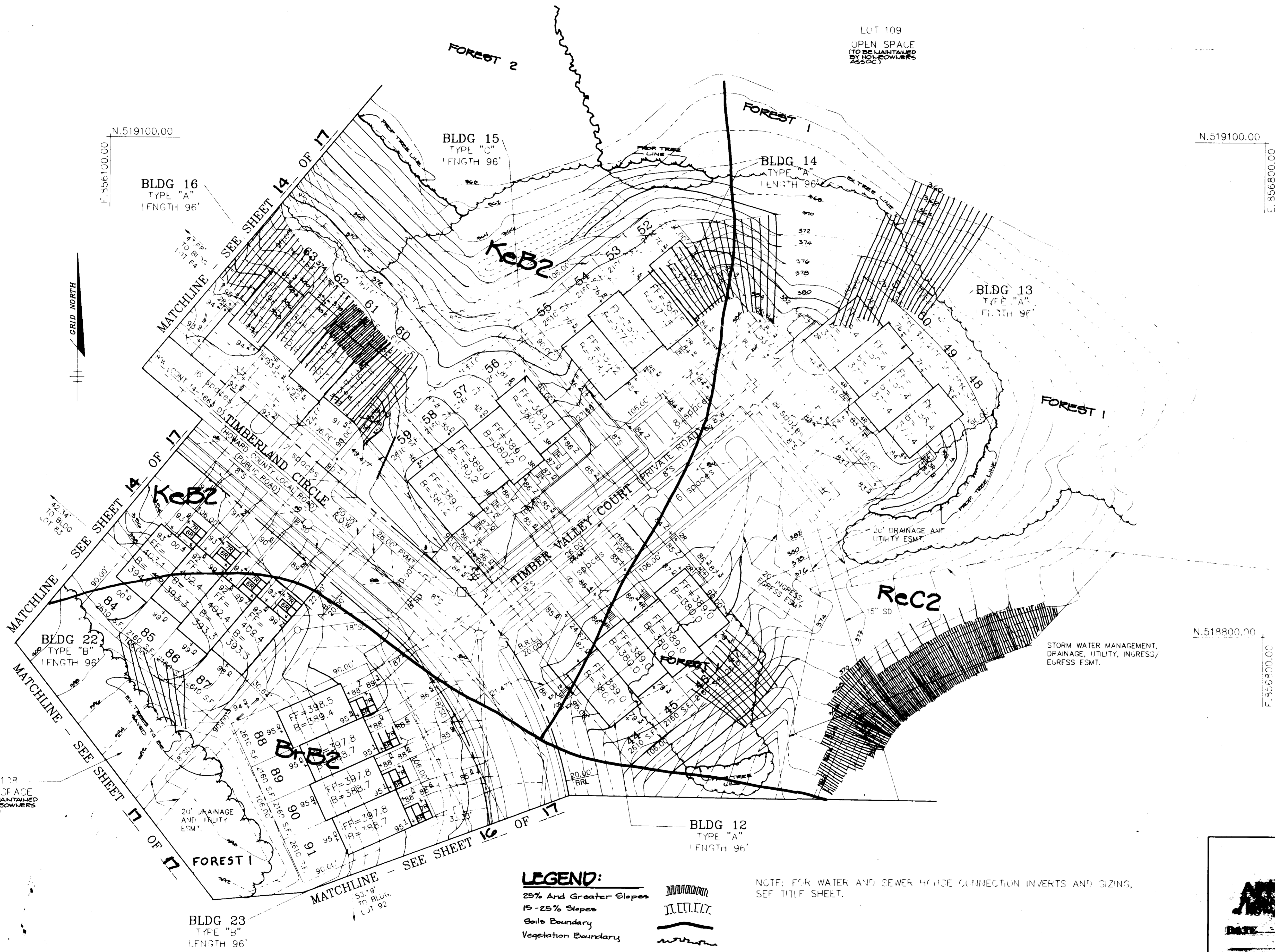
DATE: AUG. 3, 1990

SCALE: 1" = 30'

DRAWING NO. 14 OF 17



SEP-21-19



SOILS CLASSIFICATION

KeB2	Brandywine loam, 3 to 8% slopes, moderately eroded
ReC3	Brandywine loam, 8 to 15% slopes, severely eroded
ReC7	Brandywine loam, 25 to 60% slopes
KeB2	Kelly silt loam, 3 to 8% slopes, moderately eroded
KeC2	Kelly silt loam, 8 to 15% slopes, moderately eroded
MeD	Montalto and Relay very stony silt loams, 3 to 25% slopes
ReC2	Relay silt loam, 3 to 15% slopes, moderately eroded

NOTE: SOILS MAP # 20.

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

Joseph B. Goggin 11-4-90
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James R. Rutter 12-7-90
 DIRECTOR DATE
Frank V. Langley 12/19/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

James H. Sun 5/3/90
 DIRECTOR DATE
William B. Ray 11-6-90
 CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

OWNER / DEVELOPER
 TAYLOR LAND SERVICE COMPANY, INC.
 LAND DESIGN AND DEVELOPMENT
 5607 MAIN STREET
 FORT LITT CITY, MD. 21047

PROJECT
TOWNHOMES OF TIMBERLAND
 (SINGLE FAMILY ATTACHED)

AREA TAX MAP 15 PARCEL 65
 11th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
ENVIRONMENTAL ANALYSIS
 LOTS 44 - 63 & 64 - 91

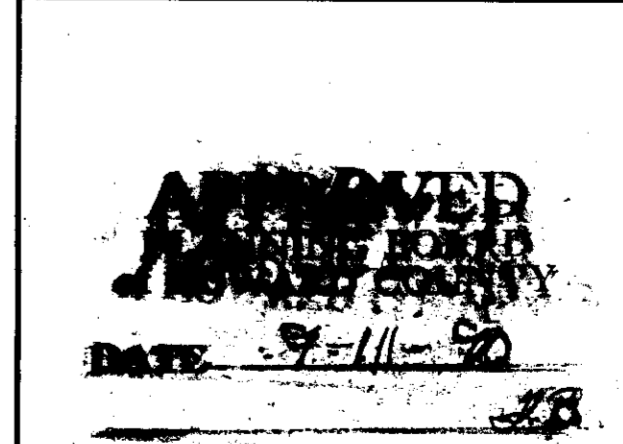
RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road Ellicott City, Maryland 21043
 301-461-2690 FAX: 301-750-3176

10-18-90 DATE
 S 86-48, P 87-62, F 89-151
 SDP-90-74
 DESIGNED BY: JMG
 DRAWN BY: JMG
 PROJECT NO.: 60200
 DATE: AUG 31 1990
 SCALE: 1" = 70'
 DRAWING NO. 15 OF 17



LEGEND:
 25% And Greater Slopes
 15-25% Slopes
 Soils Boundary
 Vegetation Boundary

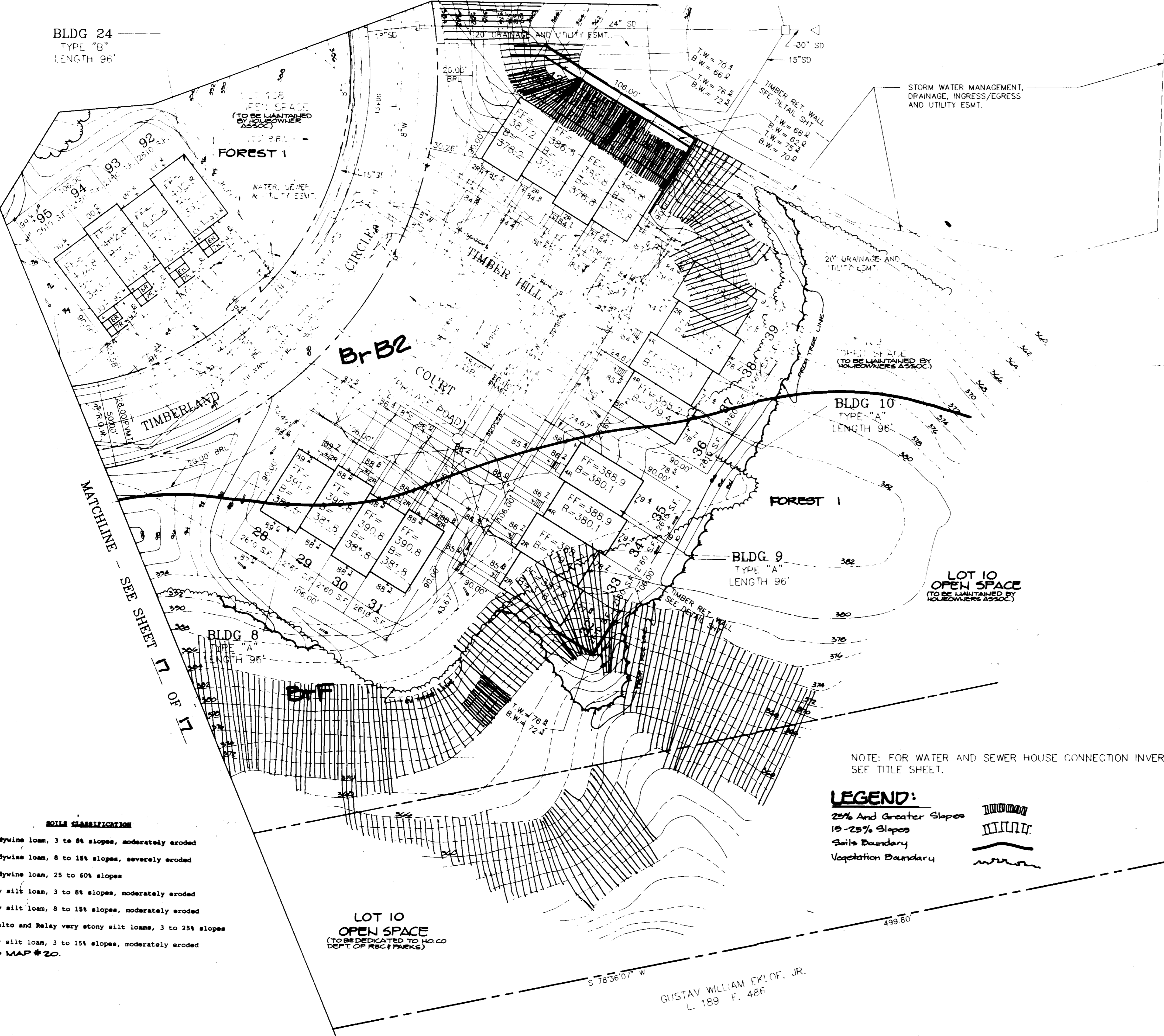
NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS AND SIZING, SEE TITLE SHEET.



SDP 91-19

BLDG 24
TYPE "B"
LENGTH 96'

BLDG 11
TYPE "A"
LENGTH 96'
MATCHLINE - SEE SHEET 15 OF 17



STORM WATER MANAGEMENT, DRAINAGE, INGRESS/EGRESS AND UTILITY FSM1.

BLDG 10
TYPE "A"
LENGTH 96'

BLDG 9
TYPE "A"
LENGTH 96'

BLDG 8
TYPE "A"
LENGTH 96'

NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS AND SIZING, SEE TITLE SHEET.

LEGEND:
25% And Greater Slopes
15-25% Slopes
Soils Boundary
Vegetation Boundary

SOILS CLASSIFICATION

- BrB2 Brandywine loam, 3 to 8% slopes, moderately eroded
- BrC3 Brandywine loam, 8 to 15% slopes, severely eroded
- Br7 Brandywine loam, 25 to 60% slopes
- KaB2 Kelly silt loam, 3 to 8% slopes, moderately eroded
- KaC2 Kelly silt loam, 8 to 15% slopes, moderately eroded
- MaB Montalto and Relay very stony silt loams, 3 to 25% slopes
- ReC2 Relay silt loam, 3 to 15% slopes, moderately eroded

NOTE: SOILS MAP #20.

LOT 10
OPEN SPACE
(TO BE DEDICATED TO HO.CC
DEPT. OF REC. & PARKS)

GUSTAV WILLIAM EKLOF, JR.
L. 189 F. 486

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

Joseph Bogdan 11-6-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Joseph Smith 12/7/90
DIRECTOR DATE

Mark S. Drayton 12/7/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

James H. Smith 11/6/90
DIRECTOR DATE

William B. Ryan 11-6-90
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

OWNER / DEVELOPER
TAYLOR LAND SERVICE COMPANY, INC.
C/O LAND DESIGN AND DEVELOPMENT
8807 MAIN STREET
ELlicOTT CITY, MD. 21043

PROJECT
TOWNHOMES OF TIMBERLAND
(SINGLE FAMILY ATTACHED)

AREA TAX MAP 25 PARCEL 65
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
ENVIRONMENTAL ANALYSIS
LOTS 28-43 & 92-95

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

APPROVED
PLANNING
of HOWARD COUNTY
DATE 9-14-90

10-18-90
DATE

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
PROJECT NO: 88020
DATE: APR 3, 1991
SCALE: 1" = 30'
DRAWING NO. 10 OF 17



S 86-48.P. 6-1-90-101
SDP 90-04
DATE 10-18-90

SDA 9119

NOTE: FOR WATER AND SEWER HOUSE CONNECTION INVERTS AND SIZING, SEE TITLE SHEET.



N.518750.00
E.852500.00

SOILS CLASSIFICATION

BrB2	Brandywine loam, 3 to 8% slopes, moderately eroded
BrC3	Brandywine loam, 8 to 15% slopes, severely eroded
MeD	Brandywine loam, 25 to 60% slopes
KeB2	Kelly silt loam, 3 to 8% slopes, moderately eroded
KeC2	Kelly silt loam, 8 to 15% slopes, moderately eroded
MeD	Montalto and Relay very stony silt loams, 3 to 25% slopes
KeC2	Relay silt loam, 3 to 15% slopes, moderately eroded

NOTE: SOILS MAP #20

LEGEND:

- 20% And Greater Slopes
- 15-25% Slopes
- Soils Boundary
- Vegetation Boundary

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	<i>Joseph Brodeur</i>	11-4-90
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	<i>James R. Butler</i>	12/2/90
	<i>Thomas V. DeCasper</i>	12/2/90
	<i>James M. Shan</i>	11-6-90
	<i>Richard B. Rubin</i>	11-6-90

DATE NO.	REVISION
OWNER / DEVELOPER	
TAYLOR LAND SERVICE COMPANY, INC. 1500 MAIN STREET FLOUBERT CITY, MD. 21043	
PROJECT	
TOWNHOMES OF TIMBERLAND (SINGLE FAMILY ATTACHED)	
AREA	TAX MAP 25 PARCEL 65
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE	
ENVIRONMENTAL ANALYSIS LOTS 1 - 27 & 96 - 103	

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

DATE: 12-18-90
DESIGNED BY: LJC
DRAWN BY: LJC
PROJECT NO: 60017
DATE: AUG 3, 1990
SCALE: 1" = 40'
DRAWING NO: 17 OF 17

Melanie Moser
MELANIE MOSER ARCHITECT

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE: 7-1-90
2B