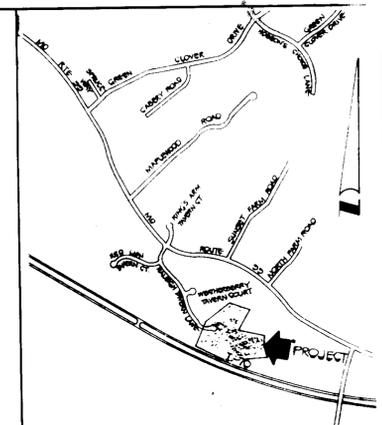


Coordinate Table

No.	North	East
78	533798.52	838609.41
79	533963.56	838674.40
82	534122.36	838812.40
90	533632.20	838539.35
104	533541.21	838746.57
106	533428.19	838909.64
146	533797.04	838608.79
204	533931.00	838896.50
211	534042.00	838742.56
226	534013.11	838792.62
229	534025.69	838765.18
240	534012.51	838957.28
241	533949.23	839039.83
242	534110.15	838826.16
245	533811.35	838955.60
259	533524.62	838782.63
265	533420.37	838935.40
266	533674.80	838870.47
267	533622.29	838955.57
268	533513.31	838972.32
278	534007.03	838964.43



VICINITY MAP  
SCALE 1"=1200'

NOTE: IN REFERENCE TO EXISTING SWIM POND 87-188 SMITH ROBERT (ASSOC. OWNER) GRANTS PERMISSION TO ROBERT AWALT BUILDER TO DRAIN THE UPSTREAM LOTS TO SUBJECT POND AND BUILDER TO MAINTAIN SILT REMOVAL AS DEEMED NECESSARY PER SOIL CONSERVATION DISTRICT, OF HOWARD CO. MD.  
*Robert Awalt*  
DONALD R. REUNER JR. OWNER & DEVELOPER

LEGEND

EX. CURB & GUTTER	---
EX. CONCRETE WALK	---
EX. PROPERTY LINE	---
EX. CONTOUR	---
PROP. SPOT GRADE	+470.5
PROP. CONTOUR	---
LIMIT OF DISTURBANCE	---
PROP. SWALE	---
SILT FENCE	---
STABILIZED CONSTRUCTION ENTRANCE	---
PERIMETER DKE/SWALE	---

Sewer House Connection  
Invert Elevations at Property Line

Station	Lot	Elev.
0 + 46 LT	1	481.63
0 + 68 RT	9	481.48
0 + 80 RT	7 & 8	482.12
MH #101 RT	3 & 4	482.50
MH #101 LT	5 & 6	482.23

- GENERAL NOTES
- 1) THE LAND INCLUDED IS ZONED R-20 (AS PER 8/1/86)
  - 2) COORDINATES SHOWN ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE COORDINATE SYSTEM. BEARINGS REFER TO THE TRUE NORTH AND ARE BASED ON HOWARD COUNTY GEODETIC SURVEY POINT NO. 344001 AND NO. 344002.
  - 3) THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON TAX MAP
  - 4) THE TOTAL AREA ON THIS PLAN IS 136,461 SQ. FT. (3.13 AC.)
  - 5) ALL ROADS ARE PUBLIC AND EXISTING.
  - 6) ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
  - 7) TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE 9
  - 8) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER.
  - 9) CELLAR FL. FOR LOTS 1, 3, 4, 5, 6, 7 & 8 CAN NOT BE SERVED BY GRAVITY SEWER (P.F. ONLY)
  - 10) B.R.L. INDICATES "BUILDING RESTRICTION LINE"
  - 11) ALL DRIVEWAY APPROX WITH-IN COUNTY ROAD SECTION TO BE CONST. ACCORDING TO HOWARD CO. STD. DRAWING (R. 3.01)

ADDRESS CHART

LOT #	STREET	ADDRESS
1	# 10267	RALEIGH TAVERN LANE
2	# 10275	" " " "
3	# 10279	" " " "
4	# 10283	" " " "
5	# 10290	" " " "
7	# 10286	" " " "
8	# 10282	" " " "
9	# 10278	" " " "

SUBDIVISION NAME	MARKET SQUARE EAST	SECT./AREA	LOTS	1/3-9	
PLAT # OF L/F	BLOCK # 7	ZONE	TAX/ZONE MAP	ELEV. DIST.	CENSUS TR.
	# 7433	R-20		210	6021
WATER CODE	N-03	SEWER CODE	5758000		

OWNER & DEVELOPER

ROBERT AWALT BUILDERS, INC.  
9051 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MD 21043  
TEL. (301) 461-1315

APPROVED  
DIVISION OF PLANNING & ZONING  
COUNTY ADMINISTRATOR  
J. COUNTY MARYLAND  
9-21-87

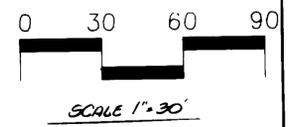
APPROVED FOR PUBLIC WATER AND PUBLIC SEWAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT  
*James P. ...* 10-28-87  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*...* 11-5-87  
PLANNING DIRECTOR DATE

APPROVED DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
*...* 10-29-87  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*...* 10/23/87  
DIRECTOR DATE

APPROVED CHIEF BUREAU OF ENGINEERING  
*...* 10-23-87  
CHIEF BUREAU OF ENGINEERING DATE



LAND DESIGN ASSOCIATES  
718 HIGHWOOD DRIVE  
BALTIMORE, MD 21212 301/323-0805

REVISIONS

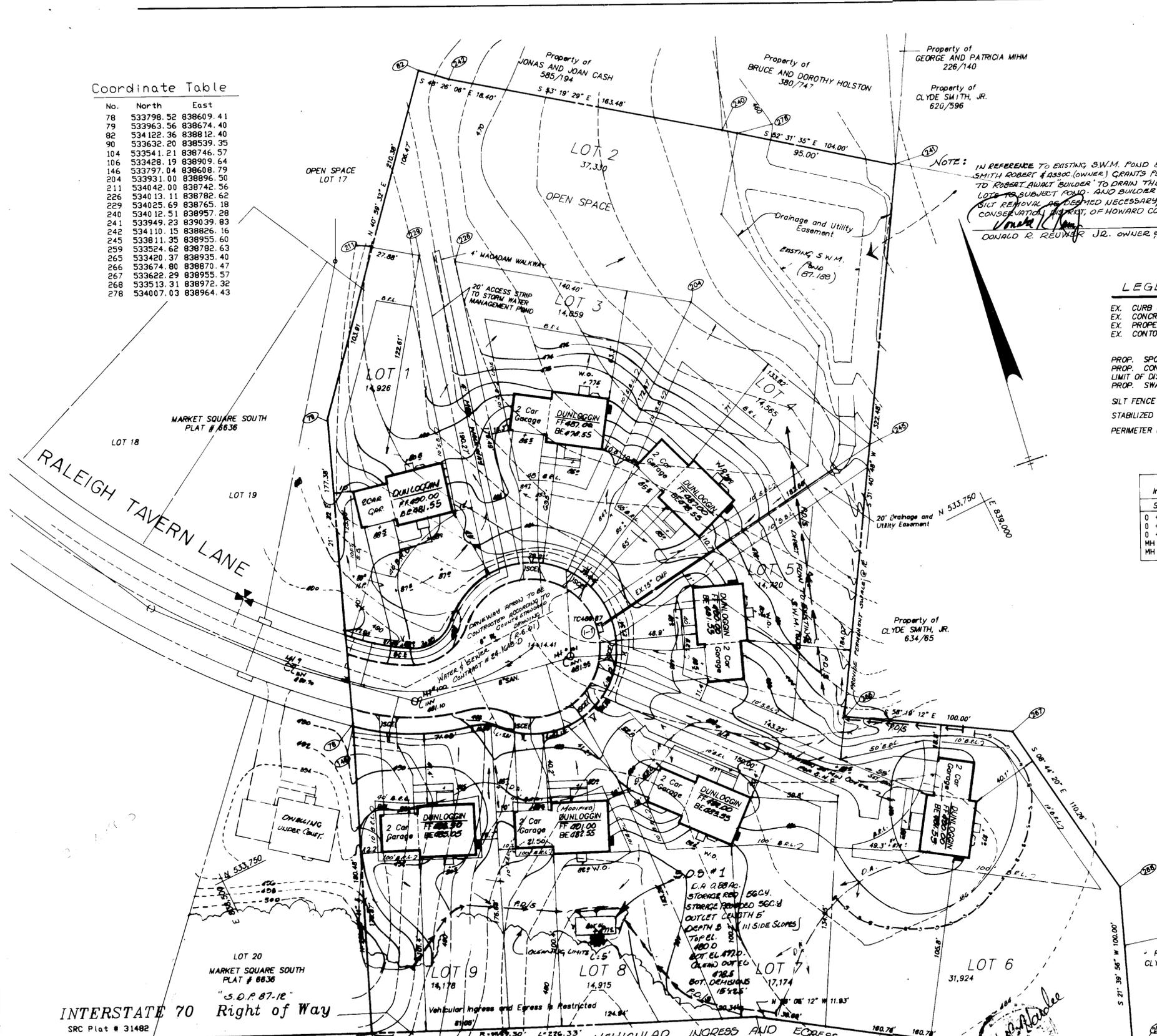

MARKET SQUARE EAST  
LOTS 1 & 3-9  
TAX MAP 17  
PARCE # 615

SITE DEVELOPMENT & SEDIMENT CONTROL PLAN  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: ROBERT AWALT BUILDERS, INC.  
9051 BALTO. NATIONAL PIKE  
ELLCOTT CITY, MD 21043  
461-1315

DESIGNED BY  
DRAWN ELP  
CHECKED R.W.

SCALE 1"=30'  
SHEET 1 OF 2  
DATE JULY 28, 1987



DEVELOPER'S/BUILDER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

*Robert Awalt* 10/14/87  
SIGNATURE OF DEVELOPER / BUILDER DATE

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT

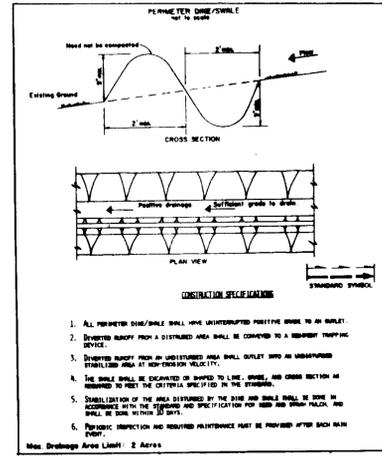
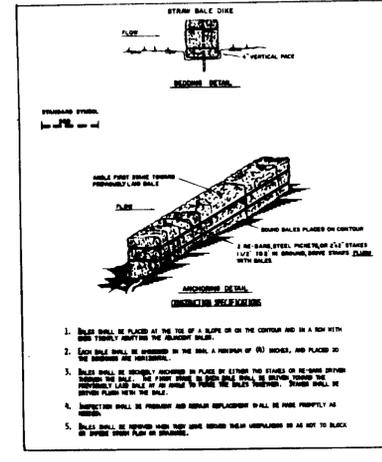
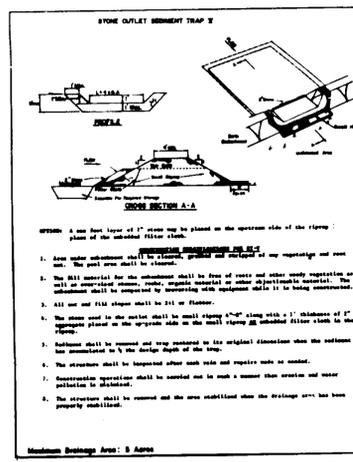
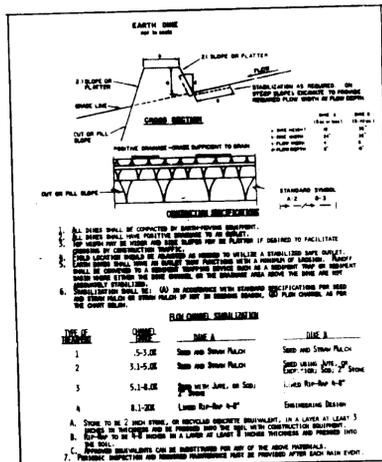
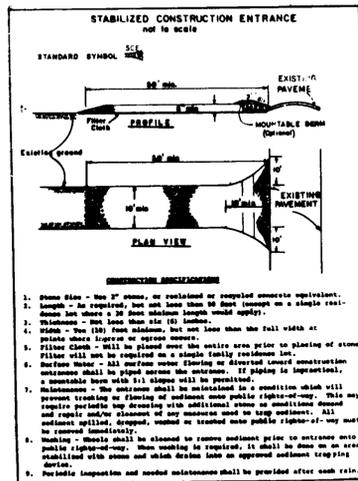
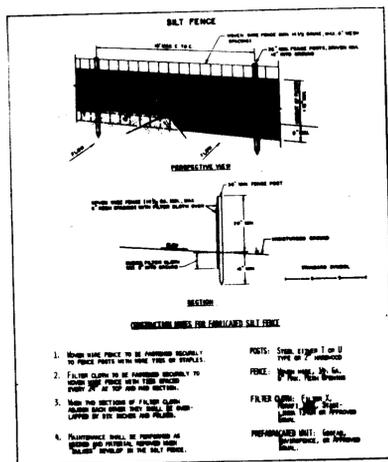
*Walter P. ...* 9/23/87  
ENGINEER DATE

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

*James P. ...* 10/20/87  
APPROVED DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

*James P. ...* 10/20/87  
SIGNATURE DATE  
U.S. SOIL CONSERVATION SERVICE



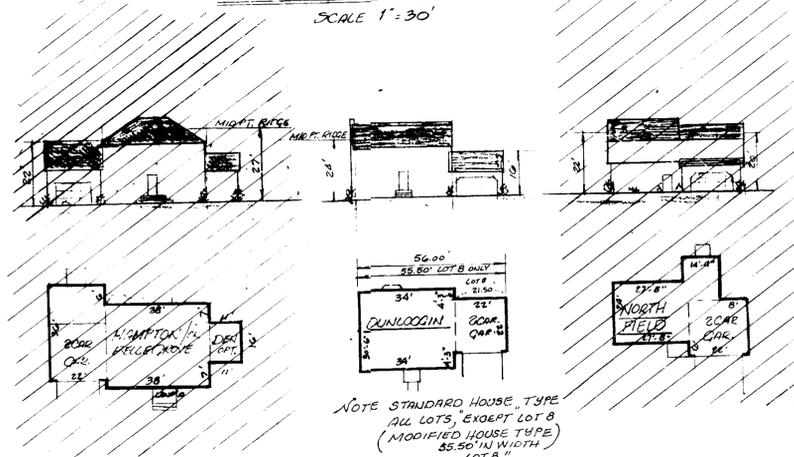
**TEMPORARY SEEDING NOTES**

- A. **SEEDBED PREPARATION** - Loosen upper 3 inches of soil by dicing, raking, or other acceptable means.
- B. **SOIL AMENDMENTS** - Apply 600 lbs. (15 lbs./1000 sq.ft.) of 10-20-10 fertilizer.
- C. **SEEDING** - For periods March 1 thru April 30, and from August 15 thru November 15, seed with 2 1/2 bushels per acre (3.2 pounds/1000 sq.ft. of annual rye). For the period May 1 thru August 14 seed with 3 pounds per acre (0.07 lbs./1000 sq.ft.) with Weeping Lovegrass.
- D. **MULCHING** - Apply 1.5 to 2 tons per acre (70 to 90 pounds per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gallons per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher use 348 gallons per acre (8 gallons per 1000 sq.ft.).

**PERMANENT SEEDING NOTES**

- A. **SEEDBED PREPARATION** - Loosen upper 3 inches of soil by raking, dicing or other acceptable means before seeding.
- B. **SOIL AMENDMENTS** - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and 600 lbs per acre 0-20-20 fertilizer (14 lbs./1000 sq. ft.). Harrow or disc lime and fertilizer into upper three inches of soil. At time of seeding, apply 400 lbs. per acre (99.2 lbs./1000 sq.ft.) of 38-0-0 ureaform fertilizer and 500 lbs. per acre (11.5 lbs./1000 sq.ft.) of 10-20-20 fertilizer.
- C. **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. per acre (1.4 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. During the period of October 16 thru February 28, protect site by: Option (1) - 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) - Use sod. Option (3) - seed with 60 lbs./acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- D. **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 seeding. Anchor mulch immediately after application using 200 gallons/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gallons/1000 sq.ft.) for anchoring.
- E. **MAINTENANCE** - Inspect all seeded areas and make needed repairs, replacements, and reseedings.

**TYPICAL HOUSES**



**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 (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or 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 days as to all other disturbed or graded areas on the project site.
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 6) All sediment control structures are to remain in place and are to be maintained in operation condition until permanent for their removal has been obtained from the Howard County Sediment Control Inspector.
- 7) Site Analysis:  

Total Area of Site	513 acres
Area Disturbed	250 acres
Area to be roofed or paved	0.43 acres
Area to be vegetatively stabilized	2.07 acres
Total Cut	1600 cu. yds.
Total Fill	1600 cu. yds.
Offsite waste/borrow area location	N/A
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities, must be repaired on the same day of disturbance.
- 9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPM sediment control inspector.
- 10) On all sites with disturbed areas in excess of 12 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

**CONSTRUCTION SEQUENCE**

- 1. OBTAIN GRADING PERMIT
- 2. CLEAR (IF REQUIRED) AREAS FOR SEDIMENT CONTROL DEVICES
- 3. CLEAR (GRUBB) (IF REQUIRED) REMAINDER OF DISTURBED AREA
- 4. GRADE LOTS, INSTALL WATER AND SEWER CONNECTIONS, COMPLETE DWELLING CONSTRUCTION.
- 5. BACK-FILL DWELLINGS, FINE GRADE, STABILIZE PER SPEC.
- 6. REMOVE SEDIMENT CONTROL DEVICES PER S.C.S DIRECTIVE.

DIVISION OF LAND ZONING ADMINISTRATION  
HOWARD COUNTY  
DATE 9-21-87

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT: *[Signature]* 10-28-87  
 APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING: *[Signature]* 11-5-87  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS: *[Signature]* 10-29-87  
 APPROVED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS: *[Signature]* 10-28-87  
 APPROVED FOR THE HOWARD SOIL CONSERVATION DISTRICT: *[Signature]* 10-28-87

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS: *[Signature]* 10-28-87  
 DEVELOPERS/BUILDER'S CERTIFICATE: *[Signature]* 10-28-87  
 ENGINEERS CERTIFICATE: *[Signature]* 9/28/87

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

ENGINEERS CERTIFICATE  
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*[Signature]* 9/28/87

LAND DESIGN ASSOCIATES  
718 HIGHWOOD DRIVE  
BALTIMORE, MD 21212 301/383-0808

MARKET SQUARE EAST  
LOTS 153-5  
ZONED R-20 TAX MAP 17 P/O PARCELS 815

SITE DEVELOPMENT & SEDIMENT CONTROL PLAN  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: ROBERT AWALT BUILDERS, INC.  
9051 BALTO NATIONAL PIKE  
ELICOTT CITY, MD 21043

DESIGNED ELP  
DRAWN RLV  
CHECKED RLV

SCALE AS SHOWN  
SHEET 2 OF 2  
DATE JULY 28, 1987