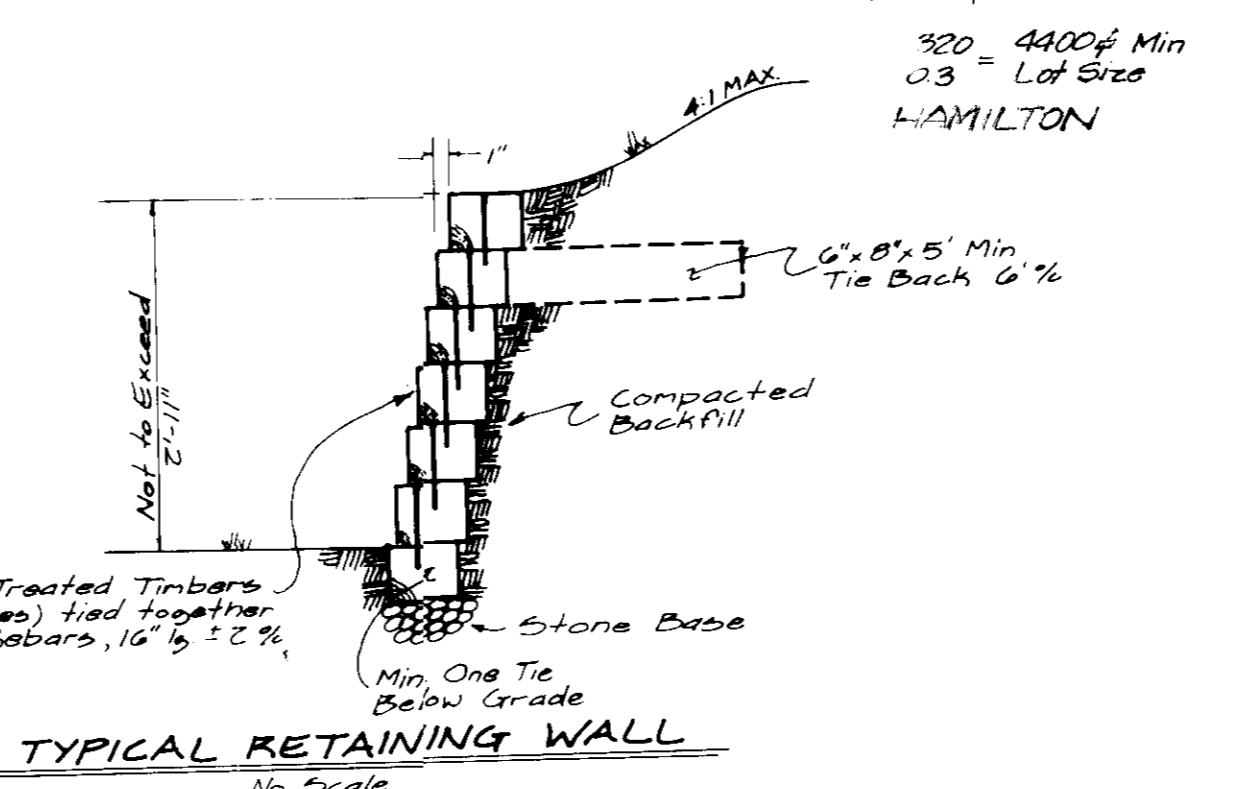
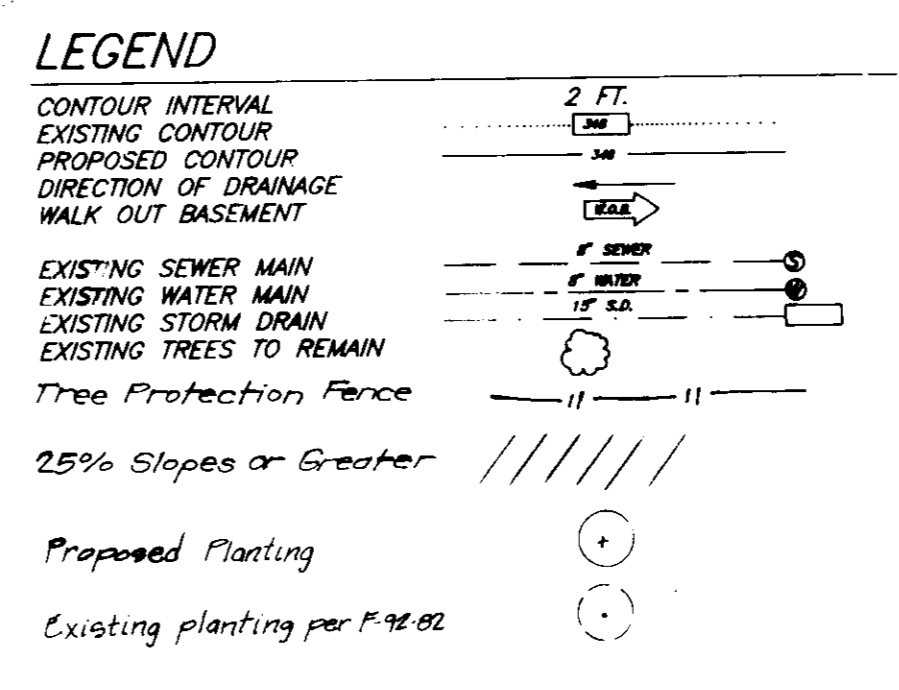


VICINITY MAP  
SCALE: 1"=2000'

- GENERAL NOTES:**
- Subject property is zoned: R-SC per 10/18/93 Comprehensive Zoning Plan.
  - The total area included in this submission is: 11.927 Acres.
  - The total number of lots included in this submission are: 60.
  - Improvement to property: Single family detached.
  - The maximum lot coverage permitted is: 40%.
  - Department of Planning and Zoning reference file numbers are: S-28-24, P-14-91-77, W-14-91-78, W-14-91-79, W-14-91-80, W-14-91-81, W-14-91-82, W-14-91-83, W-14-91-84, W-14-91-85, W-14-91-86, W-14-91-87, W-14-91-88, W-14-91-89, W-14-91-90, W-14-91-91, W-14-91-92, W-14-91-93, W-14-91-94, W-14-91-95, W-14-91-96, W-14-91-97, W-14-91-98, W-14-91-99, W-14-91-100.
  - Utilities shown as existing are taken from approved water and sewer plan Contract # 14-3254-D, approved road construction plans F-92-82, and actual field survey.
  - Any damage to county owned rights-of-way shall be corrected at the developer's expense.
  - Storm water management is provided per: F-92-82.
  - Storm water management is provided per: F-92-82.
  - All roadways are public and existing.
  - The existing topography shown was taken from Road Construction Plans prepared by TSA Group Inc. The contour interval is 2 feet.
  - The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos.: 244005 and 244013.
  - The contractor shall notify the Department of Public Works/Construction Inspection Division a (410) 313-1870 at least five (5) working days prior to the start of work.
  - The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
  - The SHC invert elevation is taken to the property line.
  - The wetland/stream buffer indicated on the plan prohibits subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.
  - For driveway entrance details refer to Howard County Design Manual Volume IV Std. Details: R-6.03, and R-6.05.
  - For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipe stem and the road right-of-way line and not to the flag or pipe stem lot driveway.



- SPECIAL NOTES:**
- This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road Construction Plans F-92-82 and/or approved Water and Sewer Plans Contract #C-14-3254-D.
- SHEET INDEX:**
- SHEETS 1 thru 3 SITE DEVELOPMENT PLAN  
SHEETS 4 thru 7 SEDIMENT & EROSION CONTROL PLANS

LOT NUMBER	STREET ADDRESS
384	6528 WESLEY LANE
395	6532 WESLEY LANE
396	6535 WESLEY LANE
397	6531 WESLEY LANE
398	6527 WESLEY LANE
399	6523 WESLEY LANE
400	6519 WESLEY LANE
401	6515 WESLEY LANE
402	6511 WESLEY LANE

SUBDIVISION NAME WILLOWOOD	SECTION/AREA 3/1	LOTS 358-367, 369-383, 386-392, 394-402, 404-406, 408, 410, 432
PLAT NO. 1114-B-1115Z	BLOCK NO. 10/16	ZONE R-SC
TAX MAP NO. 37	ELECTION DIST. 1ST	CENSUS TRACT 6011.01
WATER CODE D-06	SEWER CODE 2610000	

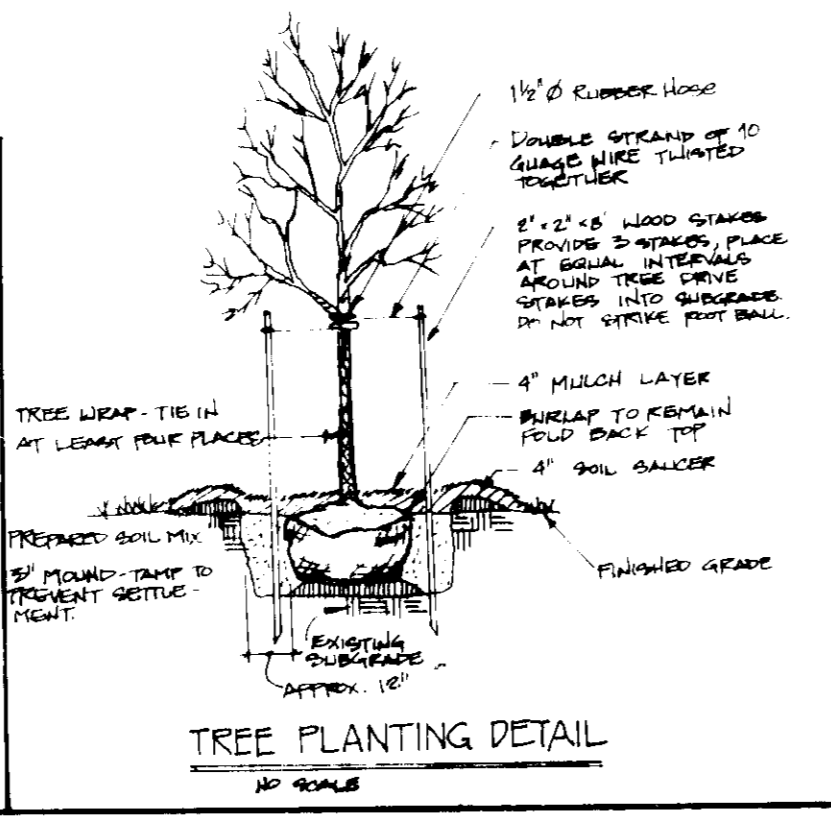
OWNER / DEVELOPER:  
SECURITY DEVELOPMENT CORPORATION  
P.O. BOX 417  
ELLICOTT CITY, MARYLAND 21043

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
*James M. [Signature]* 2/7/94  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
*[Signature]* 3/14/94  
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 2/3/94  
DIRECTOR DATE

*[Signature]* 2/2/04  
CHIEF BUREAU OF ENGINEERING DATE



**SCHEDULE A**  
SFD 021, 10, SFD

LANDSCAPE TYPE: A

LINEAR FEET OF PERIMETER: 1170 LF

CREDIT FOR EXISTING VEGETATION & PLANTING PER F-12-92: 200 LF

NUMBER PLANTS REQUIRED: 15 PLANTS

NUMBER PLANTS PROVIDED: 15 PLANTS

**PLANT SCHEDULE**

KEY	PLANT SPECIES	SIZE	QTY.	REMARKS
(+)	ACER RUBRUM	2 1/2" CAL.	10	B # B
(+)	RED MAPLE			

NOTE: EXISTING PLANTS SHOWN ARE TAKEN FROM F-12-92

**REVISIONS**

No	REVISIONS	Date
7	Rev. hse. & grad. Lot 390 to show As-Built Cond.	5-30-97
6	Rev. hse. & grad. lot 400	12-26-96
5	Rev. hse. & grad. Lot 402; Add tree typical	10-27-95
4	Rev. Street Addresses	5-15-95
3	Rev. hse. & grad. lot 395	3-13-95
2	Rev. hse. & grad. Lot 394; Add House typical	12-07-94
1	Rev. Generic Boxes lots 394 & 395	11-8-94



**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINSTREL WAY • COLUMBIA MD 21045 • (410) 381-7500 • BALTO • (301) 621-6100 • WASH

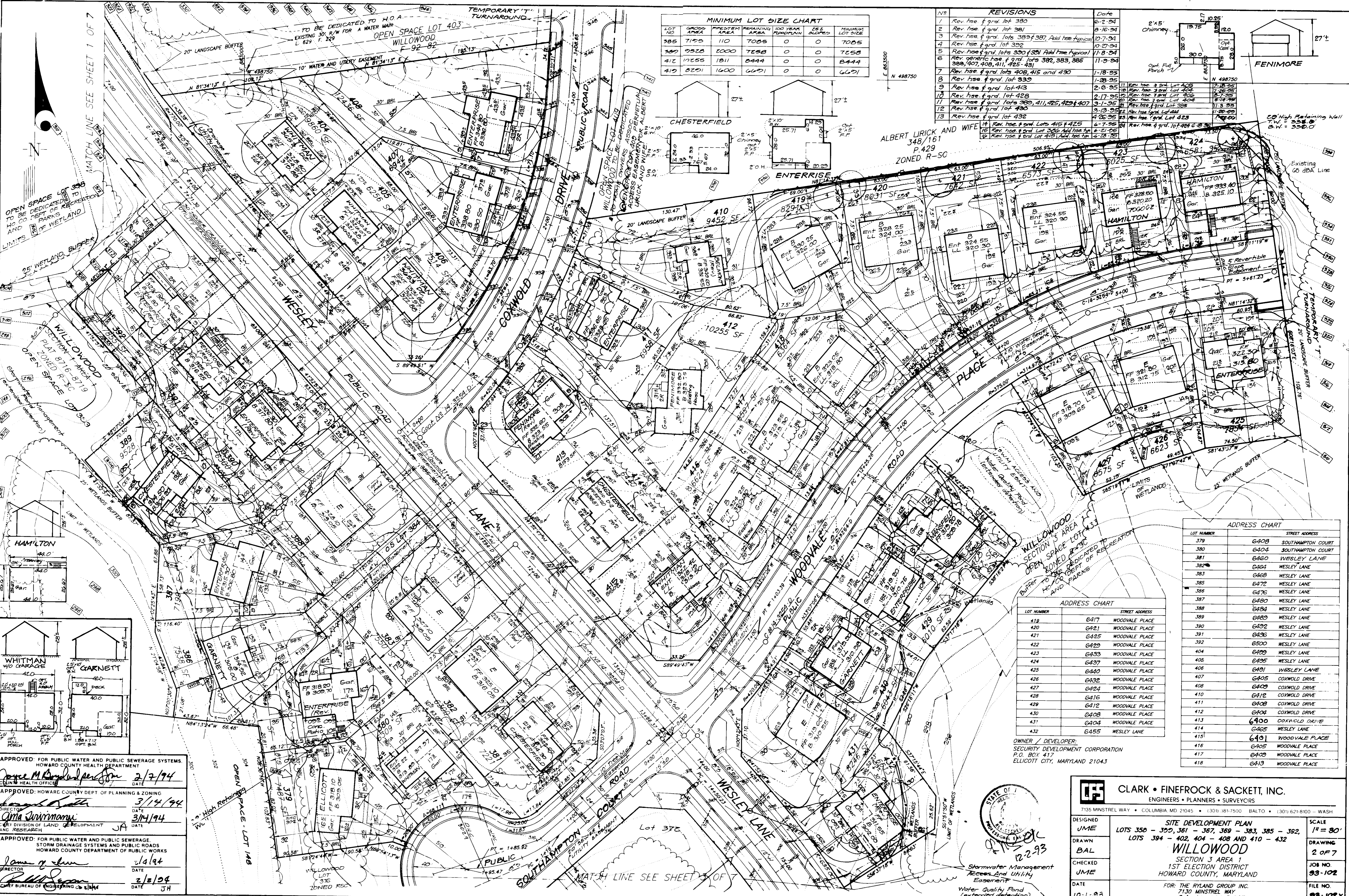
DESIGNED: VLP  
DRAWN: BAL  
CHECKED: JME  
DATE: 10-1-93

**SITE DEVELOPMENT PLAN**  
LOTS 358 - 359, 361 - 367, 369 - 383, 385 - 392, 394 - 402, 404 - 408 AND 410 - 432  
**WILLOWOOD**  
SECTION 3 AREA 1  
1ST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP INC.  
7130 MINSTREL WAY  
Columbia, Md 21045

SCALE: 1"=30'  
DRAWING: 1 OF 7  
JOB NO.: 93-102  
FILE NO.: 93-102X

S.D.P. 94-35

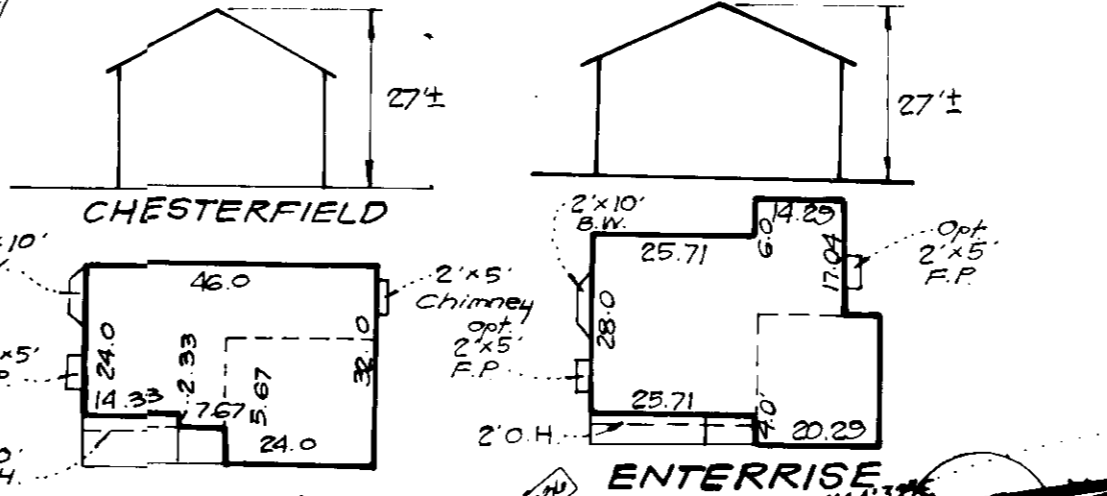
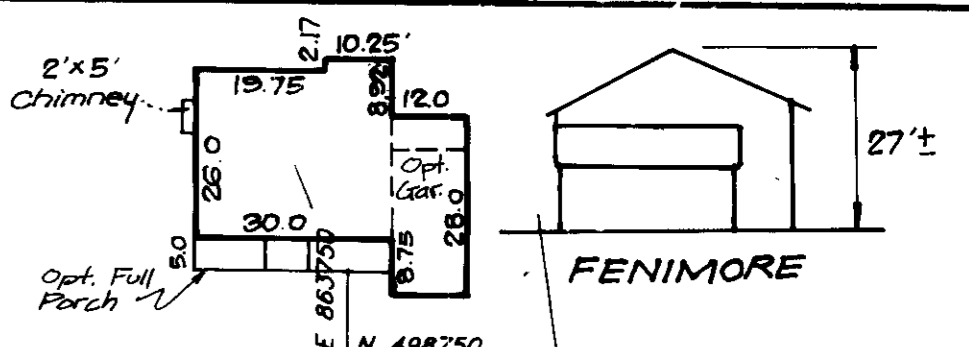


**MINIMUM LOT SIZE CHART**

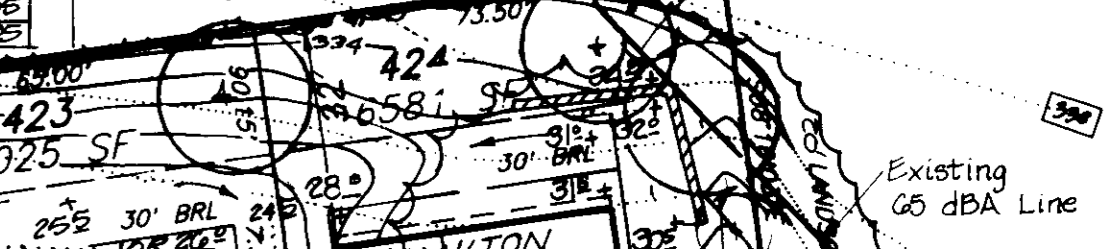
LOT NO.	GREASE AREA	FREESTOM AREA	REMAINING AREA	100 YD <sup>2</sup> FLOODPLAIN	CELE	MINIMUM LOT SIZE
385	7125	110	7065	0	0	7065
389	9528	1000	7658	0	0	7658
412	10255	1811	8444	0	0	8444
419	8201	1600	6601	0	0	6601

**REVISIONS**

REV	DESCRIPTION	DATE
1	Rev. hse. of grad. lot 380	6-2-94
2	Rev. hse. of grad. lot 381	8-16-94
3	Rev. hse. of grad. lots 389, 387, Add hse. typical	10-7-94
4	Rev. hse. of grad. lot 392	10-27-94
5	Rev. hse. of grad. lots 380, 381, Add hse. typical	11-8-94
6	Rev. hse. of grad. lots 382, 383, 385	11-9-94
7	Rev. hse. of grad. lots 408, 415 and 430	1-18-95
8	Rev. hse. of grad. lot 432	1-28-95
9	Rev. hse. of grad. lot 413	2-6-95
10	Rev. hse. of grad. lot 428	2-17-95
11	Rev. hse. of grad. lots 389, 411, 425, 429, 407	3-1-95
12	Rev. hse. of grad. lot 430	3-13-95
13	Rev. hse. of grad. lot 432	4-26-95
14	Rev. hse. of grad. lots 415 & 425	6-7-95
15	Rev. hse. of grad. lot 386, Add hse. typ.	6-21-95
16	Rev. hse. of grad. lot 418, Add hse. typ.	6-28-95



ALBERT LIRICK AND WIFE  
348/161  
P. 429  
ZONED R-SG



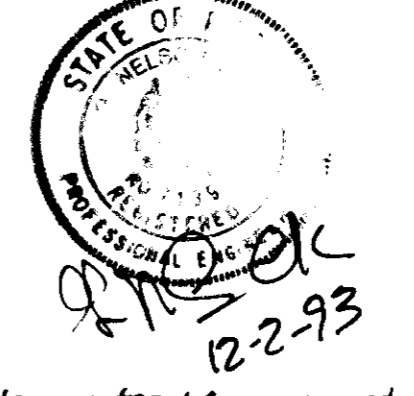
**ADDRESS CHART**

LOT NUMBER	STREET ADDRESS
379	6408 SOUTHAMPTON COURT
380	6404 SOUTHAMPTON COURT
381	6460 WESLEY LANE
382	6464 WESLEY LANE
383	6468 WESLEY LANE
385	6472 WESLEY LANE
386	6476 WESLEY LANE
387	6480 WESLEY LANE
388	6484 WESLEY LANE
389	6488 WESLEY LANE
390	6492 WESLEY LANE
391	6496 WESLEY LANE
392	6500 WESLEY LANE
404	6499 WESLEY LANE
405	6495 WESLEY LANE
406	6491 WESLEY LANE
407	6405 COXWOLD DRIVE
408	6409 COXWOLD DRIVE
410	6412 COXWOLD DRIVE
411	6408 COXWOLD DRIVE
412	6404 COXWOLD DRIVE
413	6400 COXWOLD DRIVE
414	6465 WESLEY LANE
415	6401 WOODVALE PLACE
416	6405 WOODVALE PLACE
417	6409 WOODVALE PLACE
418	6413 WOODVALE PLACE

**ADDRESS CHART**

LOT NUMBER	STREET ADDRESS
419	6417 WOODVALE PLACE
420	6421 WOODVALE PLACE
421	6425 WOODVALE PLACE
422	6429 WOODVALE PLACE
423	6433 WOODVALE PLACE
424	6437 WOODVALE PLACE
425	6440 WOODVALE PLACE
426	6432 WOODVALE PLACE
427	6424 WOODVALE PLACE
428	6416 WOODVALE PLACE
429	6412 WOODVALE PLACE
430	6408 WOODVALE PLACE
431	6404 WOODVALE PLACE
432	6455 WESLEY LANE

OWNER / DEVELOPER:  
SECURITY DEVELOPMENT CORPORATION  
P.O. BOX 417  
ELLCOTT CITY, MARYLAND 21043



**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 881-7500 (BALTO) • (301) 621-8100 (WASH)

DESIGNED: JME  
DRAWN: BAL  
CHECKED: JME  
DATE: 10-1-93

**SITE DEVELOPMENT PLAN**  
LOTS 350 - 359, 361 - 367, 369 - 383, 385 - 392,  
LOTS 394 - 402, 404 - 408 AND 410 - 432

**WILLOWOOD**  
SECTION 3 AREA 1  
1ST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

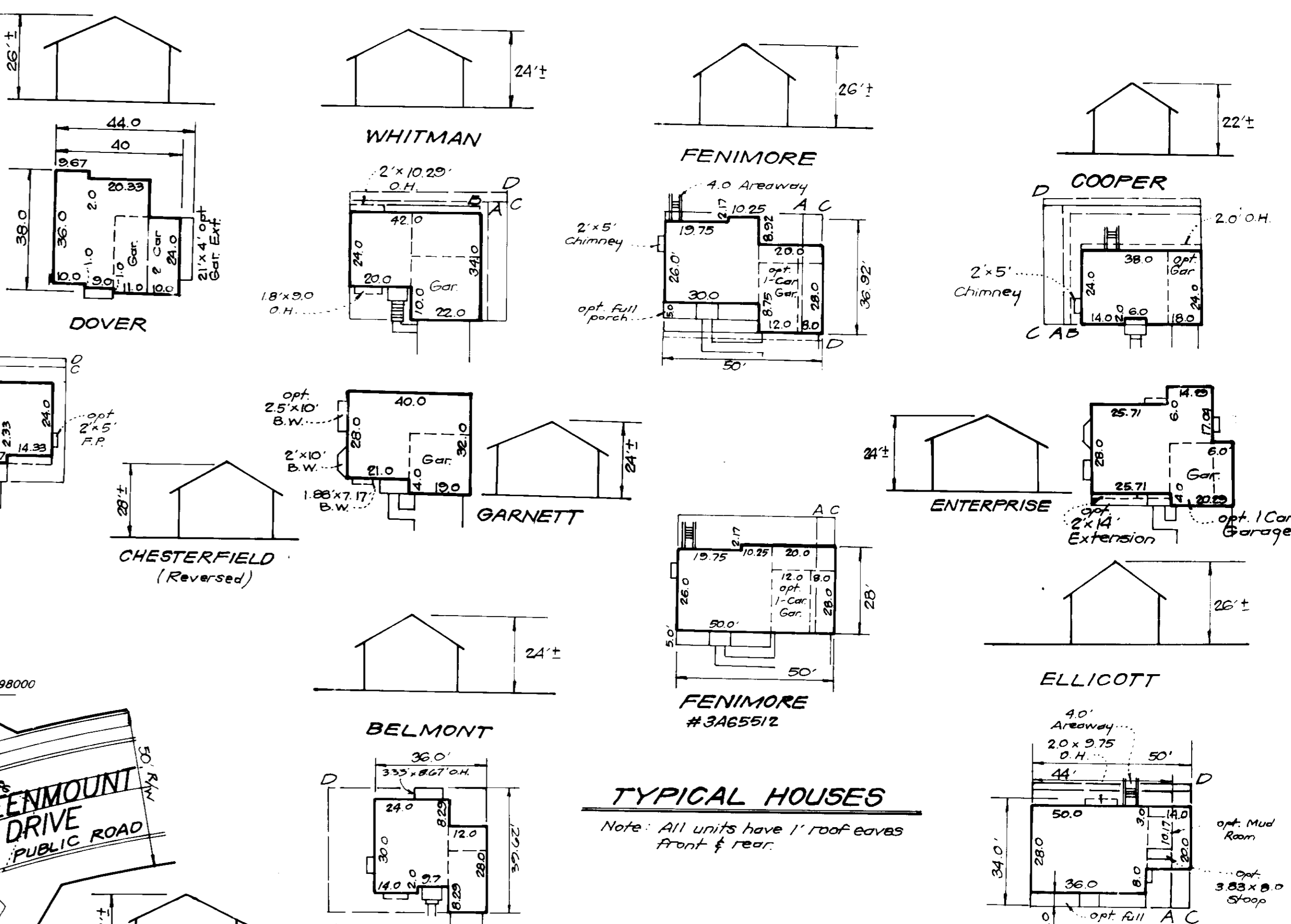
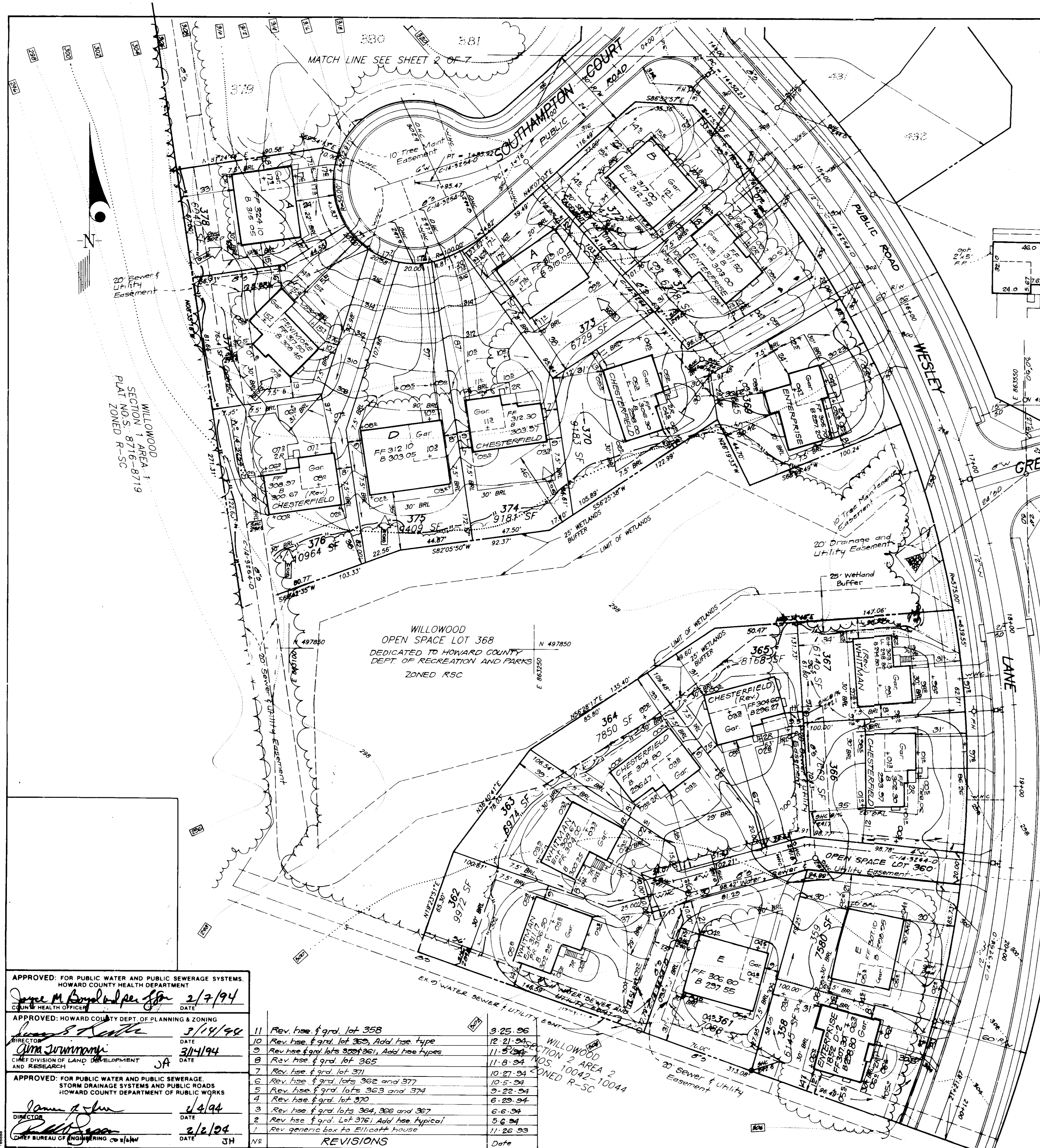
FOR: THE RYLAND GROUP INC.  
7130 MINSTREL WAY  
Columbia, Md. 21045

SCALE: 1" = 80'  
DRAWING: 2 OF 7  
JOB NO: 93-102  
FILE NO: 93-102X

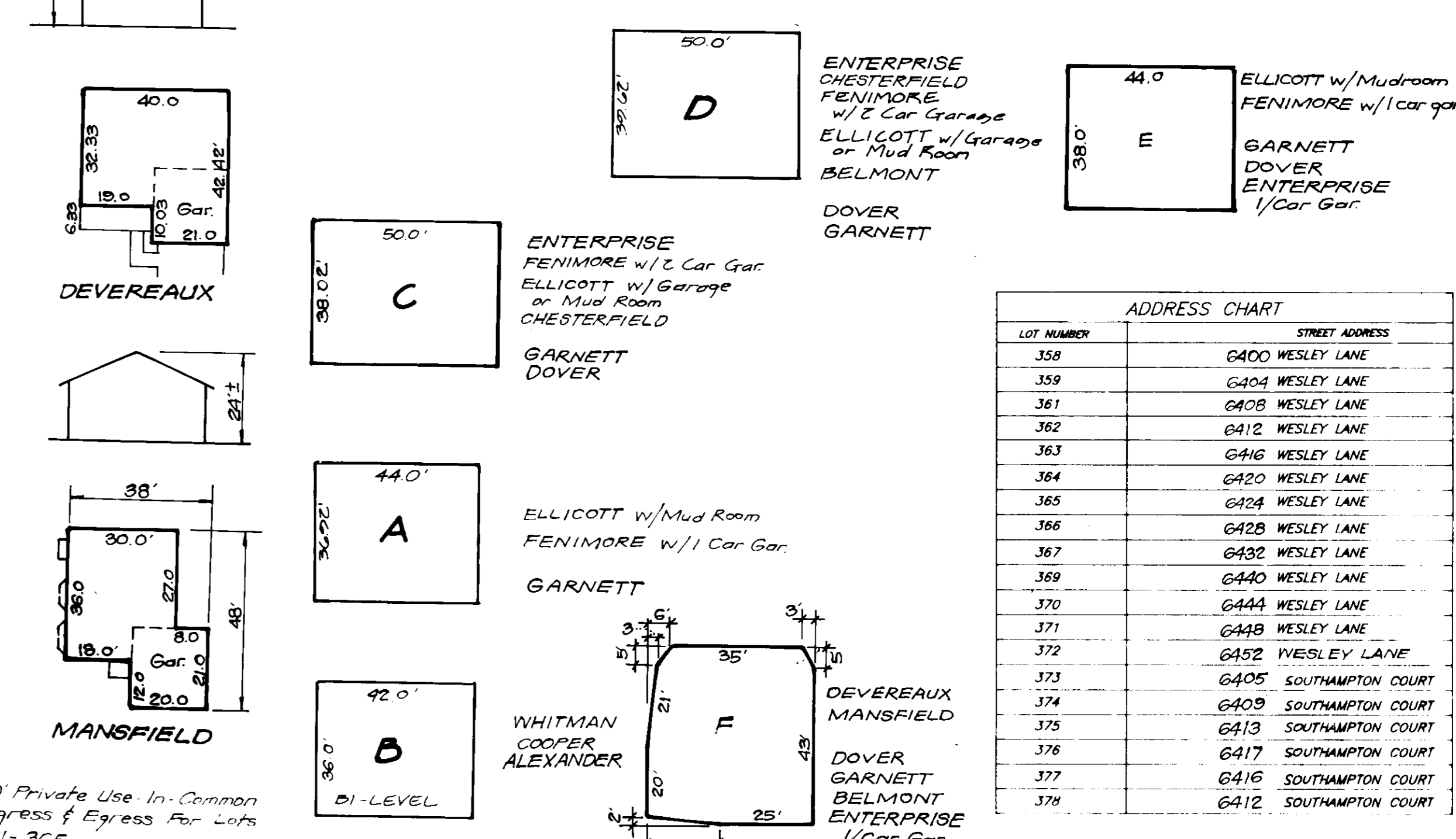
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
James M. Ruppel, Director  
DATE: 2/7/94

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
Director  
DATE: 3/14/94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
Director  
DATE: 2/14/94



**TYPICAL HOUSES**  
 Note: All units have 1" roof eaves front & rear.



ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
358	6400 WESLEY LANE
359	6404 WESLEY LANE
361	6408 WESLEY LANE
362	6412 WESLEY LANE
363	6416 WESLEY LANE
364	6420 WESLEY LANE
365	6424 WESLEY LANE
366	6428 WESLEY LANE
367	6432 WESLEY LANE
369	6440 WESLEY LANE
370	6444 WESLEY LANE
371	6448 WESLEY LANE
372	6452 IVESLEY LANE
373	6405 SOUTHAMPTON COURT
374	6409 SOUTHAMPTON COURT
375	6413 SOUTHAMPTON COURT
376	6417 SOUTHAMPTON COURT
377	6416 SOUTHAMPTON COURT
378	6412 SOUTHAMPTON COURT

MINIMUM LOT SIZE CHART						
LOT NO.	GRID AREA	FIFTEEN PERCENT AREA	REMAINING AREA	100 YEAR FLOODPLAIN	ES&B BLOTTED	MINIMUM LOT SIZE
370	2183	1880	7303	0	0	7303
376	10964	1871	9093	0	0	9093

**CLARK • FINEROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 871-5200 • BALTO • CROFTON • WASH DC

**SITE DEVELOPMENT PLAN**  
 LOTS 358 - 359, 361 - 367, 369 - 383, 385 - 392,  
 LOTS 394 - 402, 404 - 408 AND 410 - 432

**WILLOWOOD**  
 SECTION 3 AREA 1  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP INC.  
 7130 MINSTREL WAY  
 Columbia, Md 21045

DESIGNED: JME  
 DRAWN: BAL  
 CHECKED: JME  
 DATE: 10-1-93

SCALE: 1" = 30'  
 DRAWING: 3 OF 7  
 JOB NO: 93-102  
 FILE NO: 93-102X

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 DATE: 2/7/94

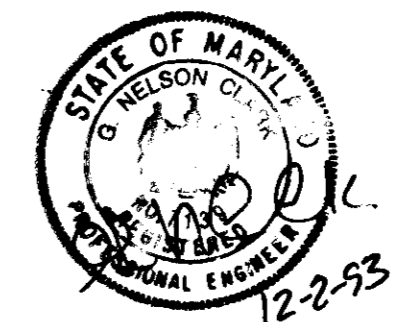
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 DATE: 3/14/94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE: 2/4/94

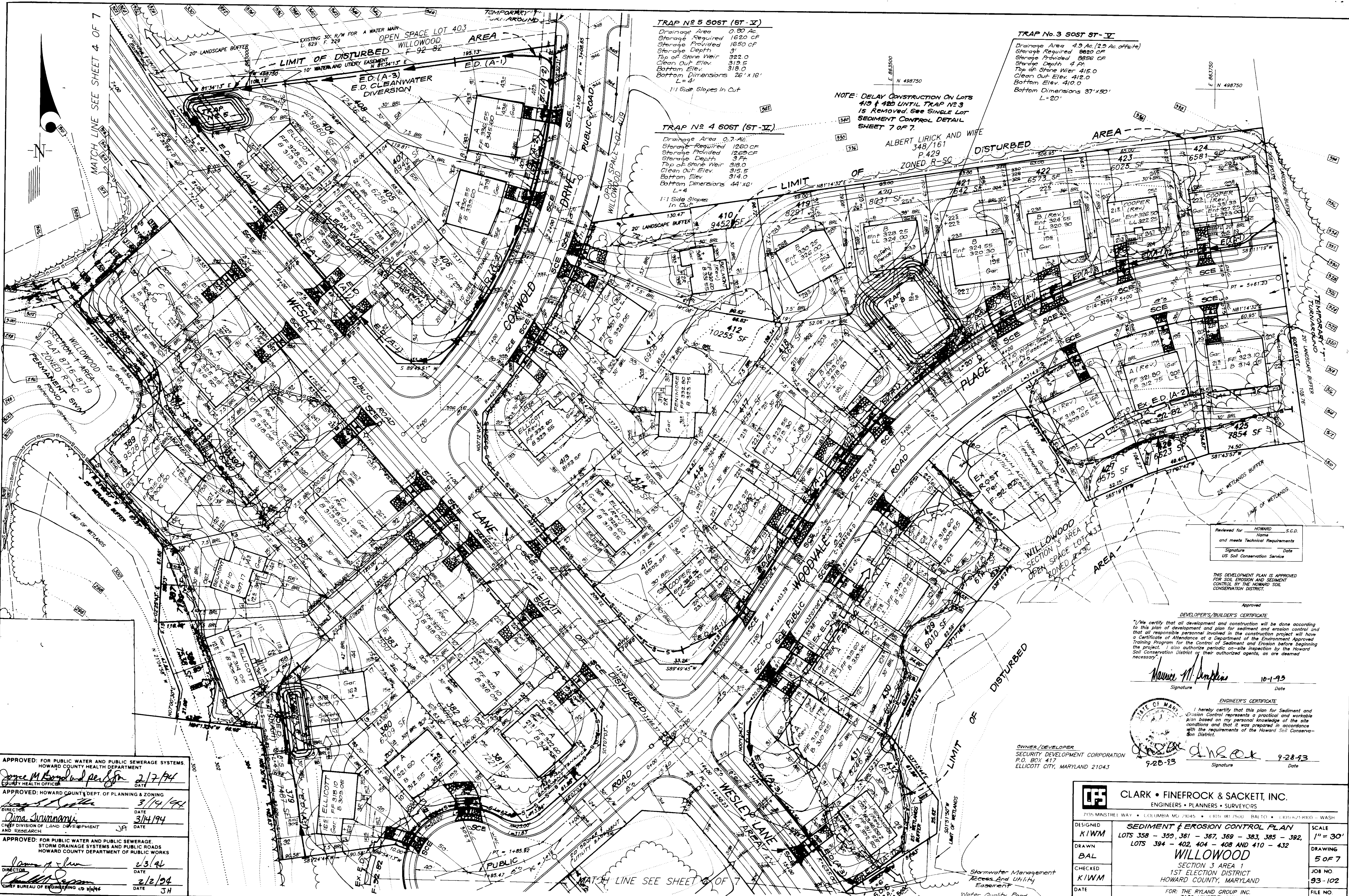
CHIEF BUREAU OF ENGINEERING

**REVISIONS**

NO	REV. HSE #	DATE
11	Rev. hse # 9rd. lot 358	3-25-96
10	Rev. hse # 9rd. lot 365, Add hse type	12-21-94
9	Rev. hse # 9rd. lots 362 & 371, Add hse types	11-5-94
8	Rev. hse # 9rd. lot 365	11-8-94
7	Rev. hse # 9rd. lot 371	10-27-94
6	Rev. hse # 9rd. lots 362 and 377	10-5-94
5	Rev. hse # 9rd. lots 363 and 374	9-22-94
4	Rev. hse # 9rd. lot 370	6-29-94
3	Rev. hse # 9rd. lots 364, 366 and 367	6-6-94
2	Rev. hse # 9rd. Lot 376; Add hse typical	5-6-94
1	Rev. generic box to Ellicott house	11-26-93







Reviewed for HOWARD S.C.D.  
 Name  
 and meets Technical Requirements  
 Signature Date  
 US Soil Conservation Service

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

Approved

**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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

*Maurice M. Hopkins* 10-1-93  
 Signature Date

**ENGINEER'S CERTIFICATE**  
 I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*David A. Brock* 9-28-93  
 Signature Date

OWNER/DEVELOPER  
 SECURITY DEVELOPMENT CORPORATION  
 P.O. BOX 417  
 ELLICOTT CITY, MARYLAND 21043

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*James M. Howard* 2/7/94  
 CHIEF HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 DIVISION OF LAND DEVELOPMENT AND RESEARCH  
*Dina Stannan* 3/14/94  
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James A. Lee* 2/3/94  
 DIRECTOR DATE

*Charles M. Stannan* 2/2/94  
 CHIEF BUREAU OF ENGINEERING DATE

**CLARK • FINEROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7130 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 981-7500 • BALTO • (410) 476-0000 • WASH

DESIGNED **KIWM** SCALE 1" = 30'  
 DRAWN **BAL** SEDIMENT & EROSION CONTROL PLAN  
 CHECKED **KIWM** LOTS 358 - 399, 361 - 367, 369 - 383, 385 - 392, 393 - 402, 404 - 408 AND 410 - 432  
 DATE 10-1-93 DRAWING 5 OF 7  
 JOB NO. 93-102  
 FILE NO. 93-102 SE

**WILLOWOOD**  
 SECTION 3 AREA 1  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 FOR: THE RYLAND GROUP INC.  
 7130 MINSTREL WAY  
 Columbia, Md. 21045

SDP 94-35



**TRAP No. 1 SOST ST-IV**  
 Drainage Area 0.60 Ac.  
 Storage Required 1080 CF  
 Storage Provided 1080 CF  
 Storage Depth 3 Ft.  
 Top of Stone Weir 298.0  
 Clean Out Elev. 295.0  
 Bottom Elev. 294.0  
 Bottom Dimensions 33'x7'  
 1:1 Side Slopes in Cut  
 L=4'

**TRAP No. 2 SOST ST-V**  
 Drainage Area 1.0 Ac.  
 Storage Required 1800 CF  
 Storage Provided 1848 CF  
 Storage Depth 3 Ft.  
 Top of Stone Weir 296.0  
 Clean Out Elev. 293.0  
 Bottom Elev. 292.0  
 Bottom Dimensions 25'x10'  
 L=4'  
 1:1 Side Slopes in Cut

Reviewed for HOWARD S.C.D.  
 Name  
 Signature  
 Title  
 US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 Approved  
 Signature  
 Date 1/24/94

**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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.  
 Signature  
 Date 10-1-93

**ENGINEER'S CERTIFICATE**  
 I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
 Signature  
 Date 9-28-93

OWNER / DEVELOPER:  
 SECURITY DEVELOPMENT CORPORATION  
 P.O. BOX 417  
 ELLICOTT CITY, MARYLAND 21043

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer  
 Date 2/7/94

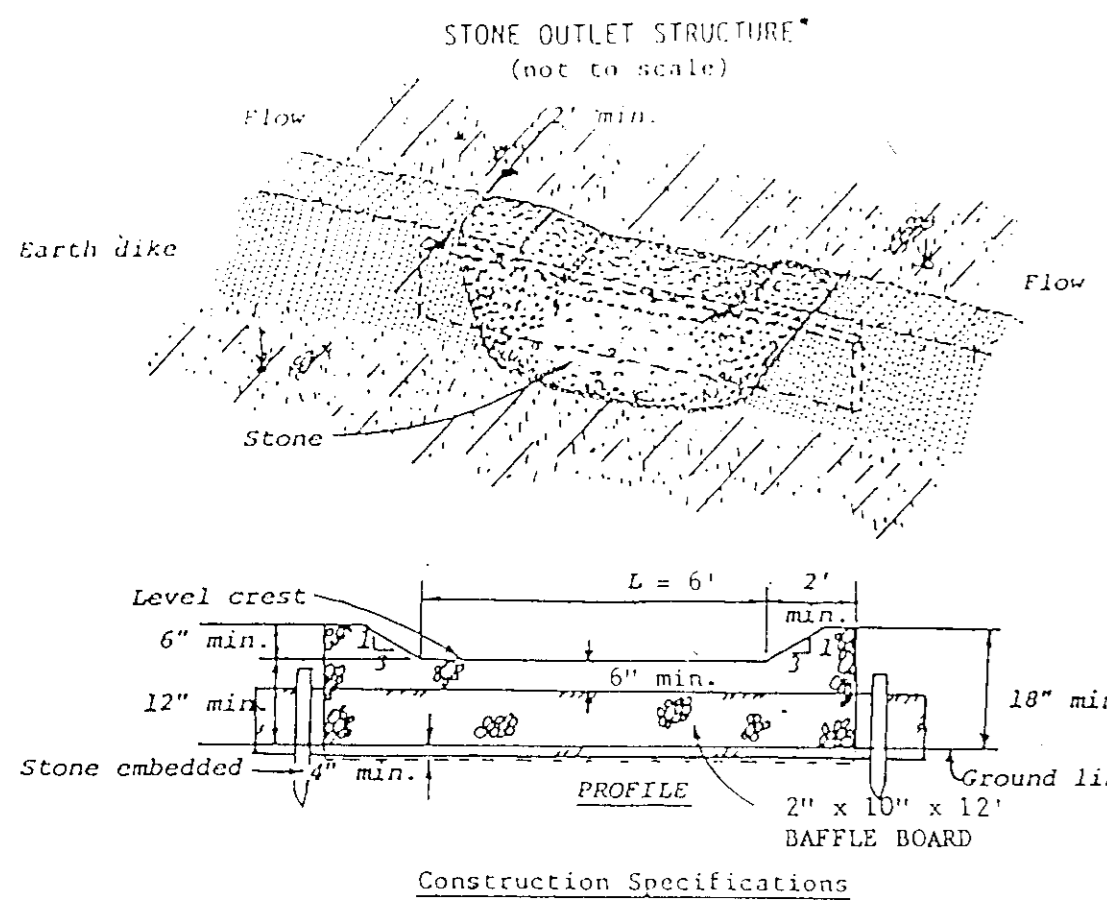
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 Director  
 Date 3/14/94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director  
 Date 2/3/94

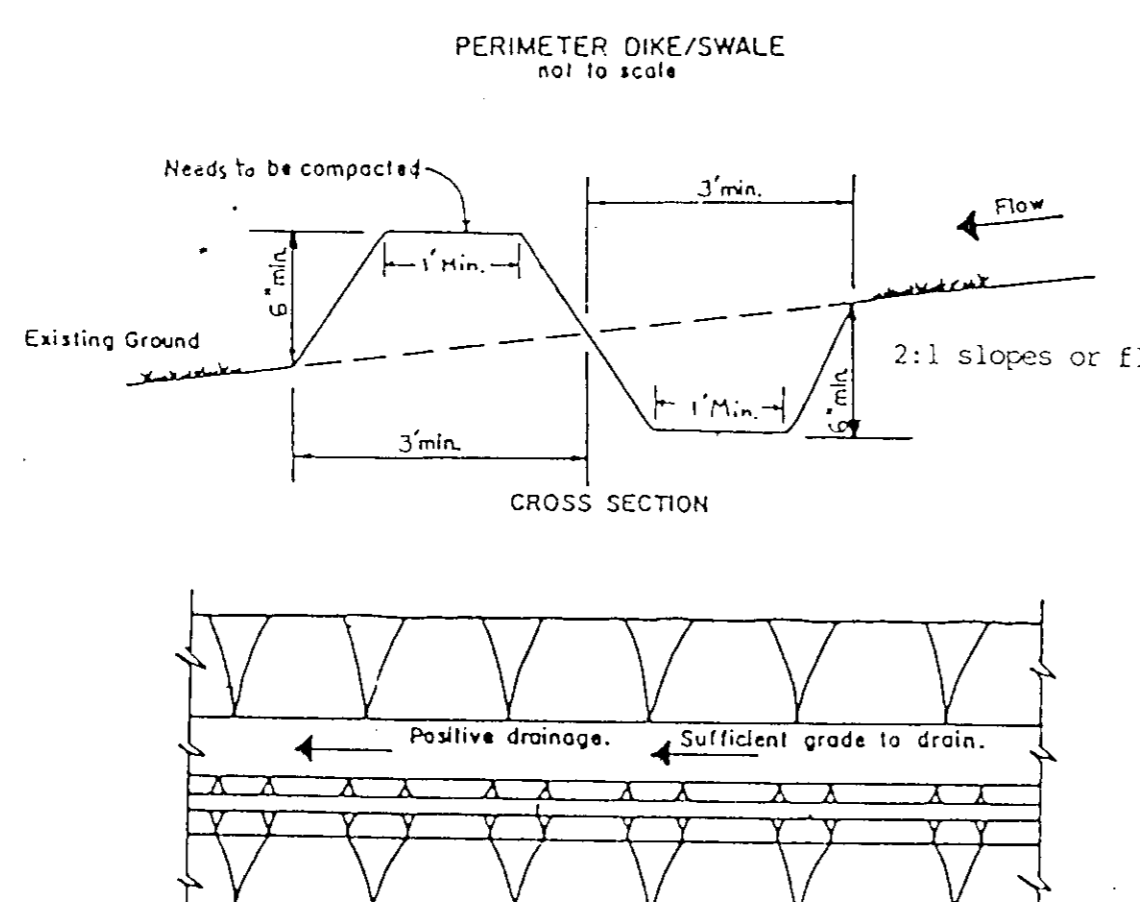
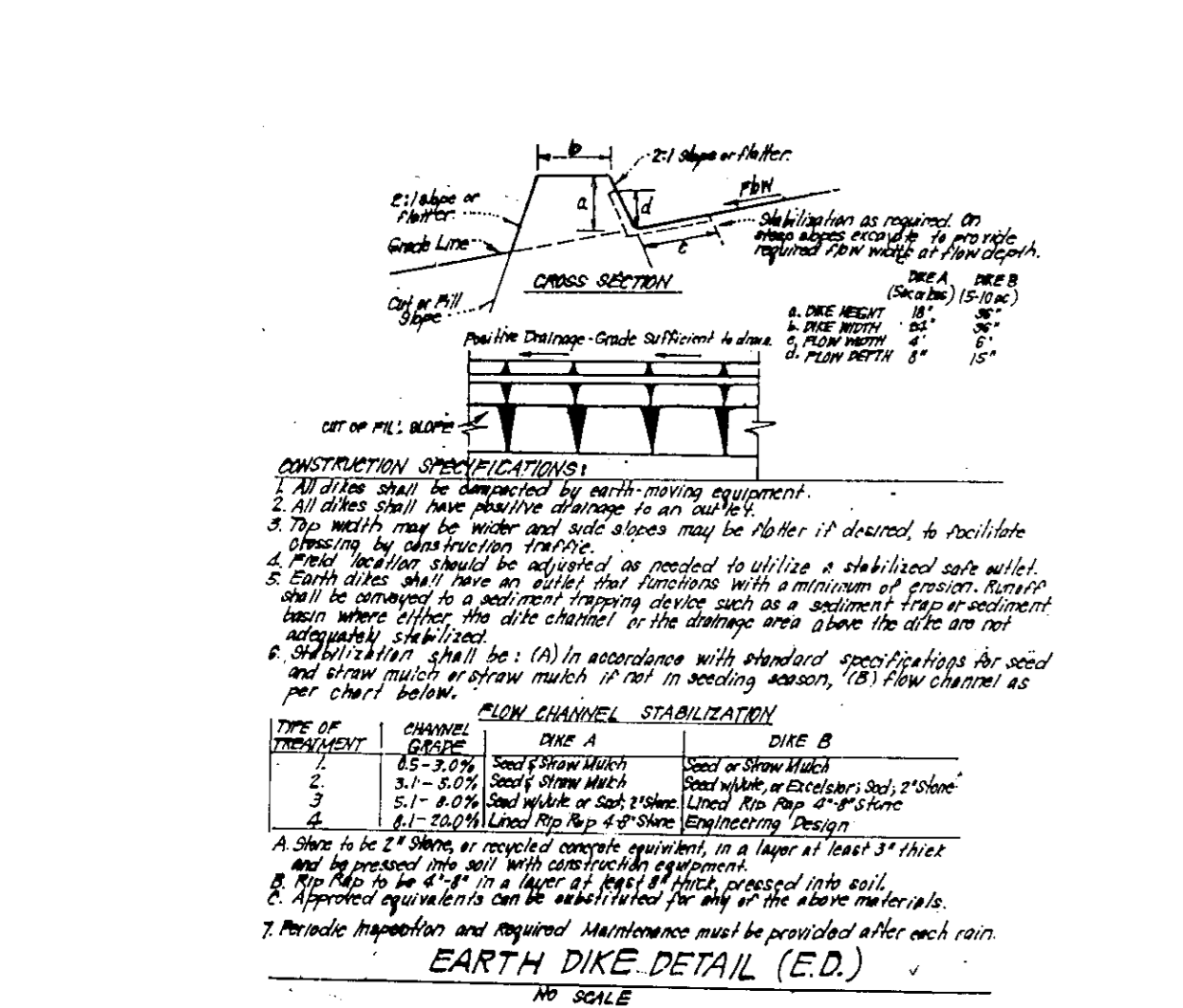
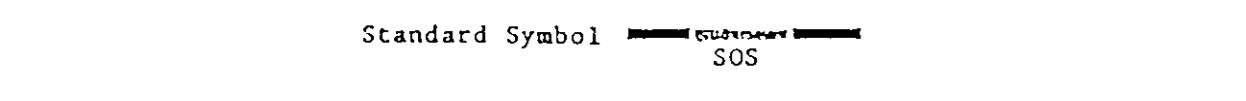
APPROVED: CHIEF BUREAU OF ENGINEERING  
 Date 2/2/94

**CLARK • FINEFROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 881-7500 BALTO • (410) 421-8800 WASH

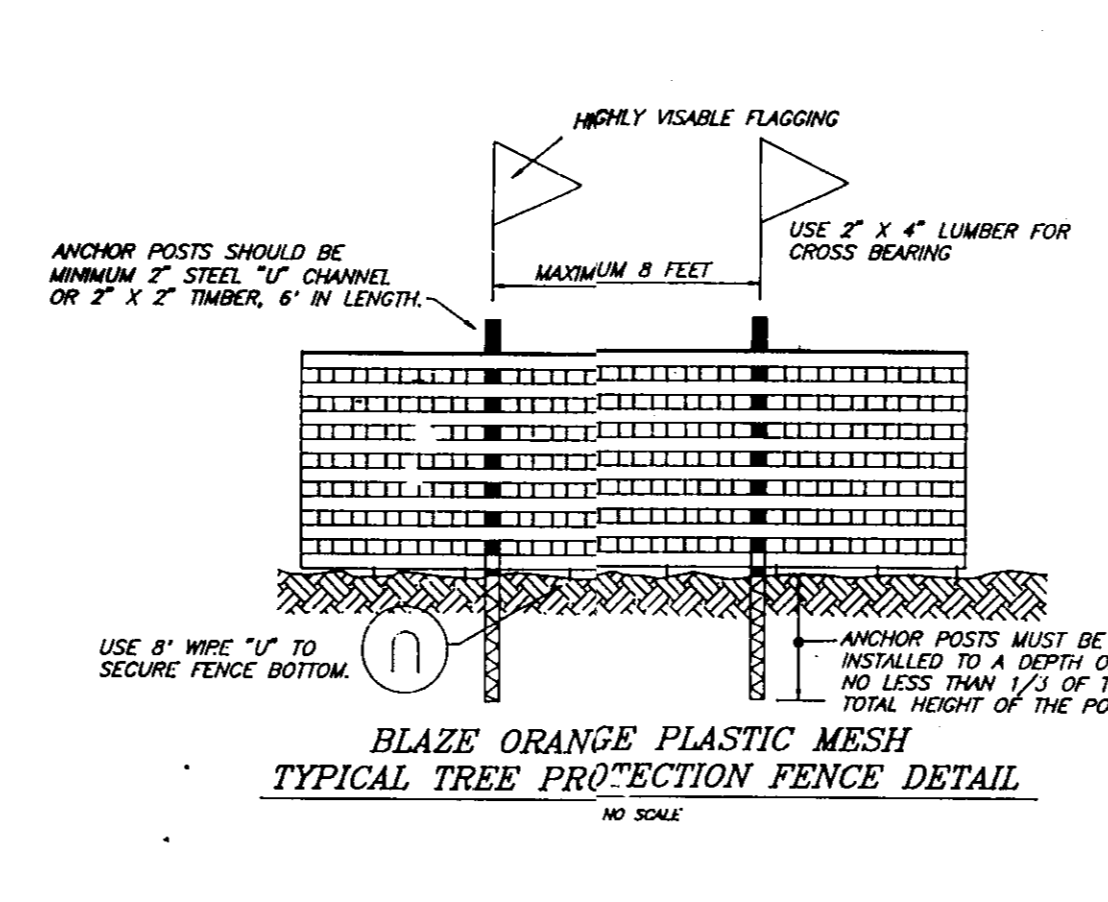
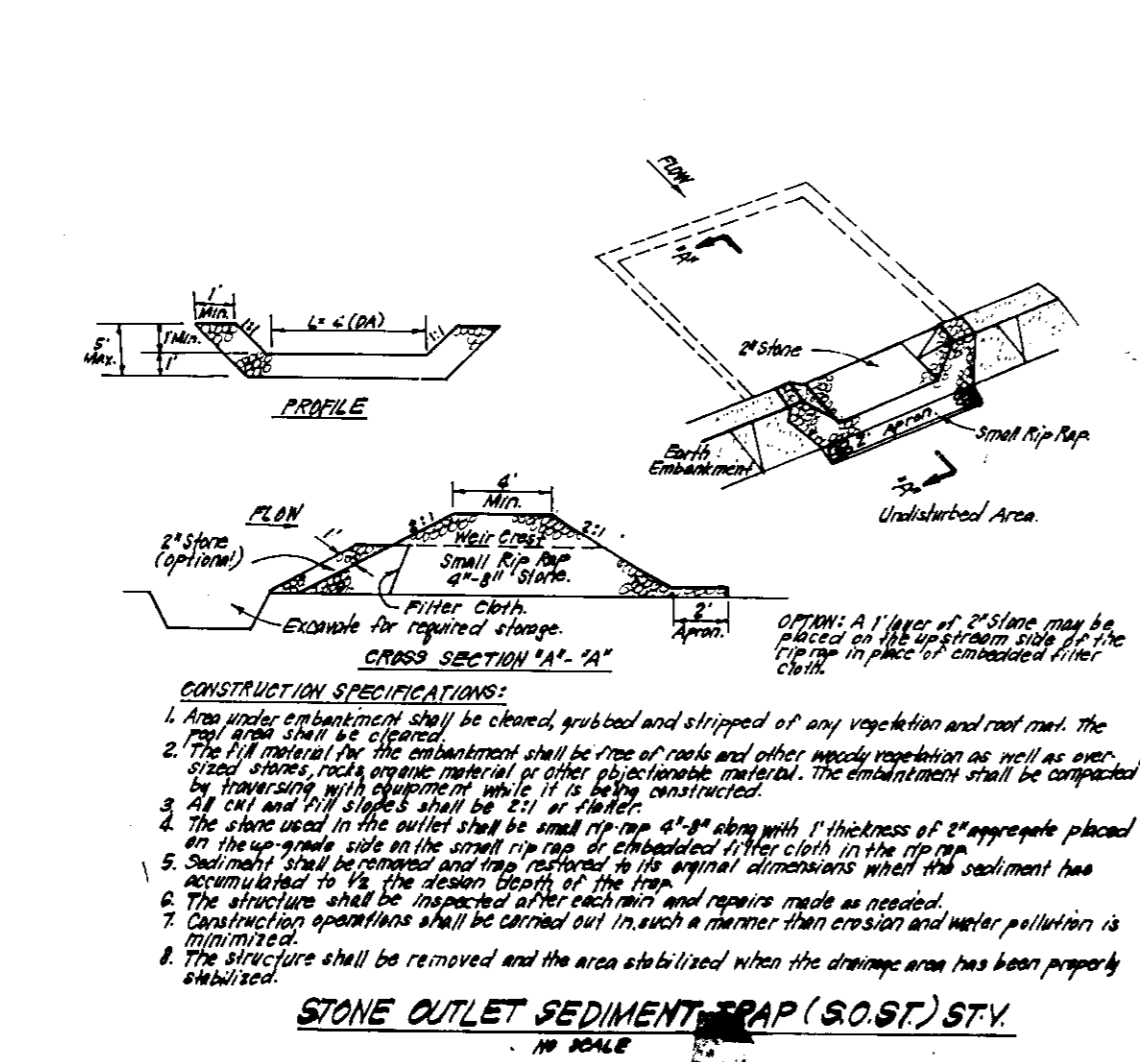
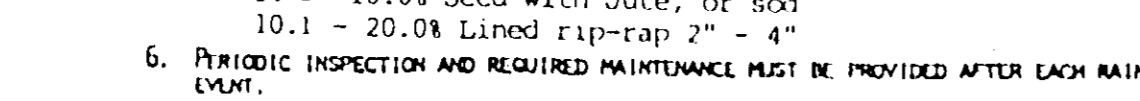
DESIGNED KIWM	<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS 358 - 359, 361 - 367, 369 - 383, 385 - 392, LOTS 394 - 402, 404 - 408 AND 410 - 432 <b>WILLOWOOD</b> SECTION 3 AREA 1 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP INC. 7130 MINSTREL WAY Columbia, Md 21045	SCALE 1" = 30'
DRAWN BAL		G OF 7
CHECKED KIWM		JOB NO 93-102
DATE 10-1-93		FILE NO 93-102.05
		SDP 94-35



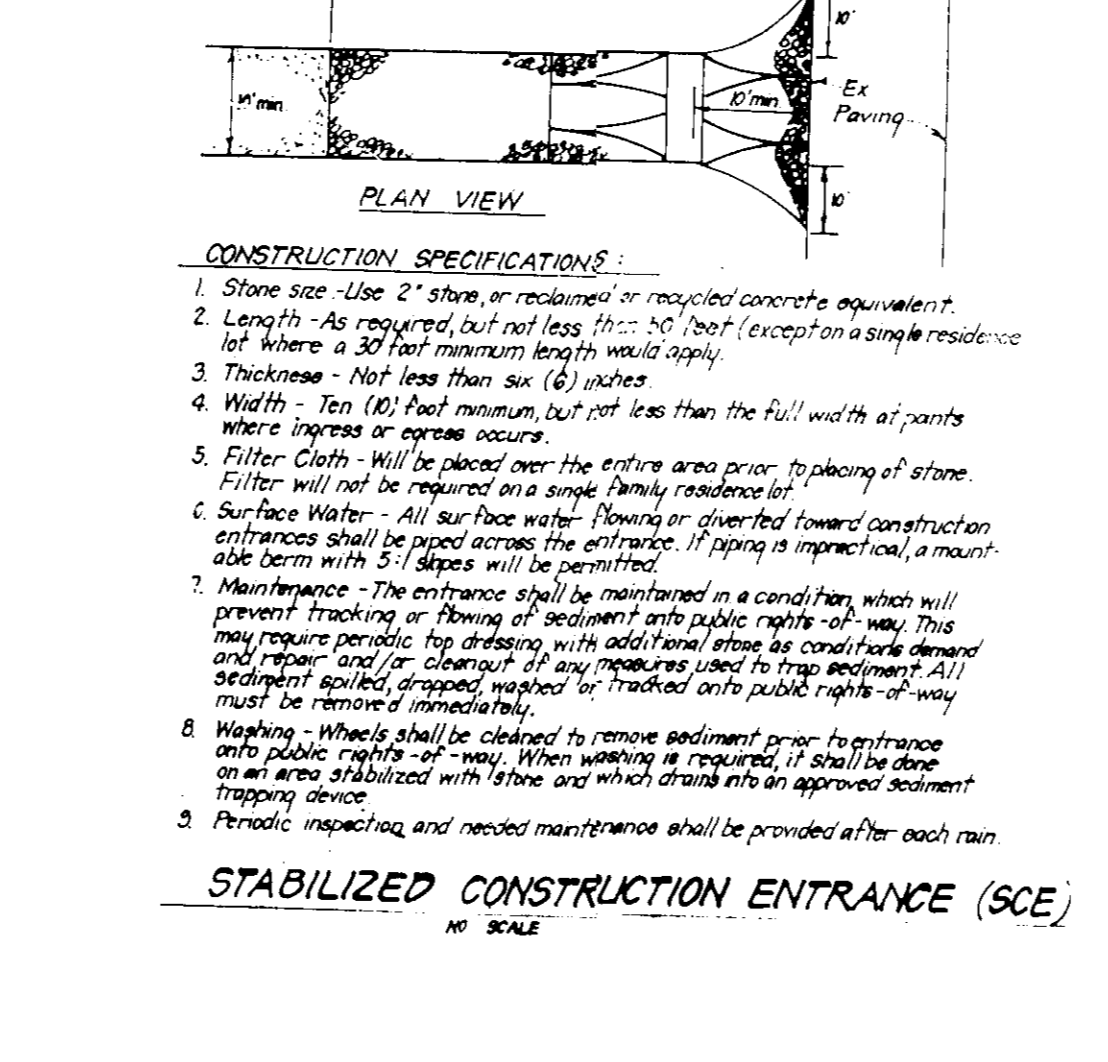
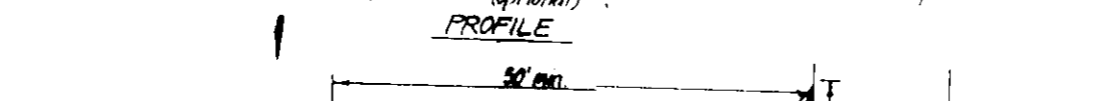
- The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSHA Size No. 2 or AASHTO designation M43 Size No. 2 or 2 1/2.
- The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
- The stone outlet structure shall be embedded into the soil a minimum of four inches.
- The minimum length, in feet, of the crest of the stone outlet structure shall be six.
- The stone outlet structure shall be inspected after each rain, and the stone shall be replaced when the structure ceases to function as intended due to silt accumulation among the stone, washout, construction traffic damage, etc.
- The baffle board shall be extended one foot into the dike, staked and embedded 4 inches into existing ground.



- ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
- DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
- DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
- THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
- STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN 7 DAYS IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SEED AND STRAW MULCH.



- Forest protection device only.
- Reference area will be set as part of the review process.
- Boundaries of reference area should be staked and flagged prior to installing device.
- Root damage should be avoided.
- Protection signage may also be used.
- Device should be maintained throughout construction.



### 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, discing 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. Harrow or disc into upper three inches of soil. At the 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. Harrow 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 (0.5 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 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.

**MULCHING:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq ft) of unrattled 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

**SEEDBED PREPARATION:** Loosen upper three inches of soil by raking, discing, 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 2 1/2 bushel per acre of annual ryegrass (3.2 lbs./1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (0.7 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 unrattled 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.

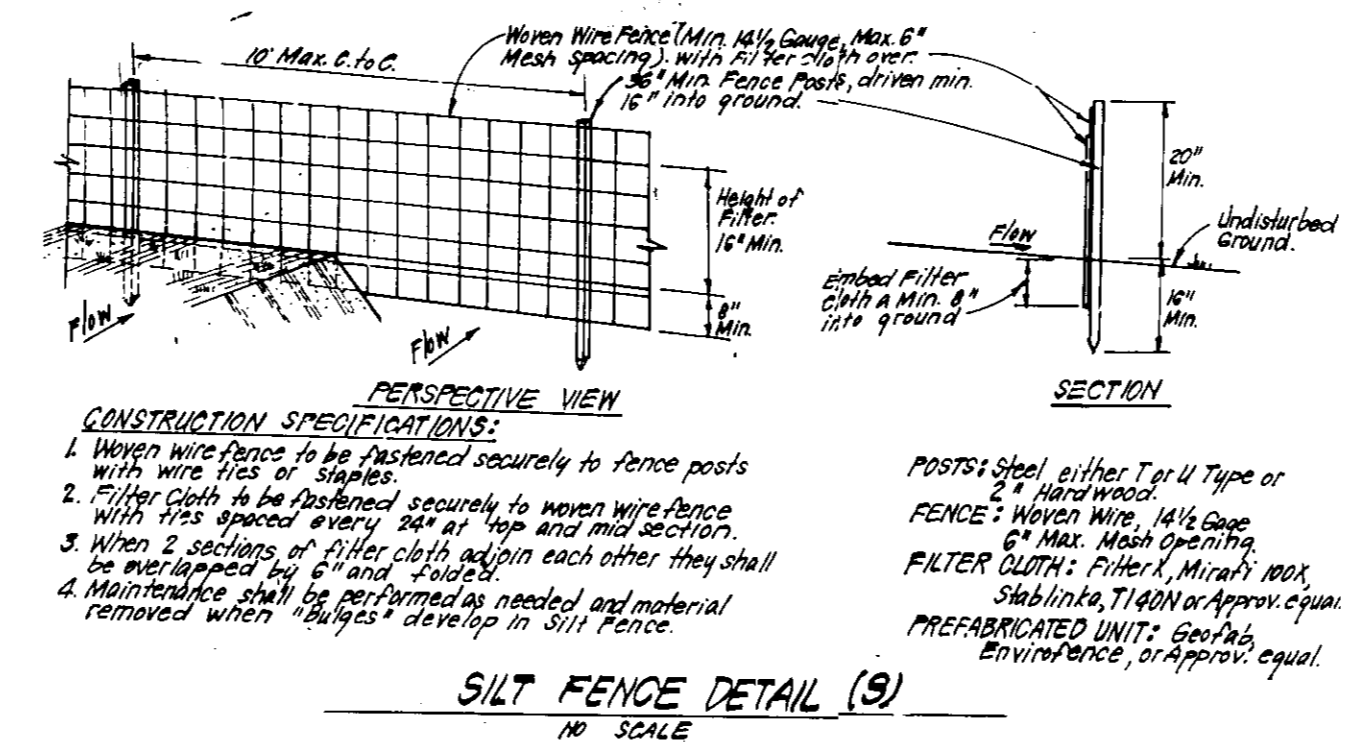
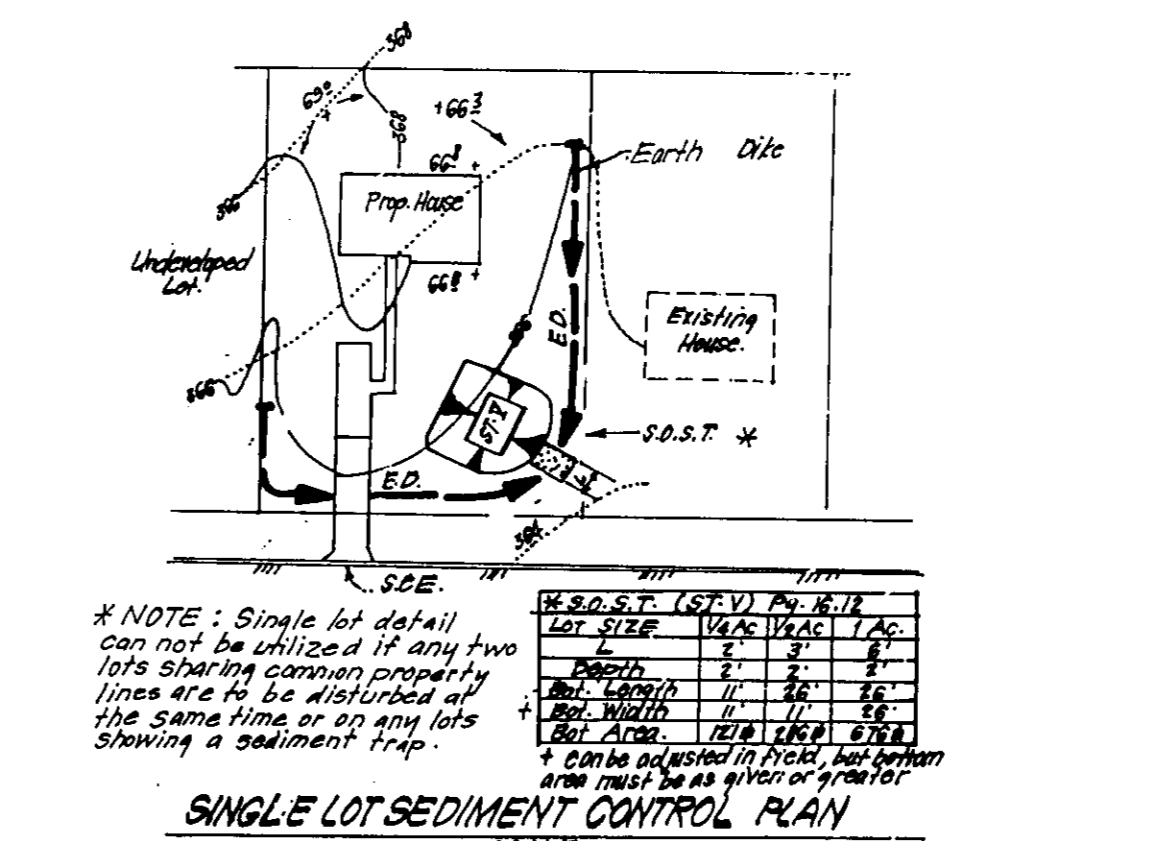
REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

### SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (918-1985).
  - 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 SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
  - 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.
  - All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
  - 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 (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.
  - 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.
  - SITE ANALYSIS:**  
 Total Area of Site: 11.92 AC.  
 Area to be roofed or paved: 1.25 AC.  
 Area to be vegetatively stabilized: 7.28 AC.  
 Total Cut: 6.4571 CU Y.  
 Total Fill: 0.0000 CU Y.
  - Offsite Waste/Borrow Area Location: \_\_\_\_\_
  - Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
  - Additional sediment control must be provided, if deemed necessary by the Howard County DSW Sediment Control Inspector. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
  - All pipes to be blocked at the end of each day (see detail this sheet).
  - The total amount of silt fence = 2430 LF
- \* It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

CONSTRUCTION SEQUENCE	NO. OF DAYS
1. Obtain grading permit	7
2. Install tree protection fence	7
3. Install sediment and erosion control devices and stabilize	14
4. Excavate for foundations, rough grade and temporarily stabilize	30
5. Construct structures, sidewalks and driveways	60
6. Final grade and stabilize in accordance with Stds. and Specs.	14
7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7

\* Delay Construction of houses on lots 367, 368, 385, 419 & 420 see Single Lot Sediment Control Detail, this sheet.



- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to woven wire fence with ties spaced every 30" at top and bottom.
- When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and stapled.
- Maintenance shall be performed as needed and material removed when "clumps" develop in silt fence.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 Joyce M. Bond... 2/7/94  
 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 Diana J. J... 3/14/94  
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 James A. ... 2/3/94  
 CHIEF BUREAU OF ENGINEERING

Reviewed for HOWARD S.C.D. Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 and meets Technical Requirements of the US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 John R. ... 1/24/94  
 Approved

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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance of a Department of the Environment 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.  
 Maurice M. Simkins 10-1-93 Date

ENGINEER'S CERTIFICATE  
 I hereby certify that this plan for Sediment and Erosion 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.  
 Clark • Finerock & Sackett, Inc. 9-28-93

CLARK • FINEROCK & SACKETT, INC.  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA MD 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH

DESIGNED: KIWM  
 DRAWN: BAL  
 CHECKED: KIWM  
 DATE: 10-1-93

SCALE: As Shown  
 DRAWING: 7 OF 7  
 JOB NO: 93-102  
 FILE NO: 93-102 SE

SEDIMENT & EROSION CONTROL DETAILS  
 LOTS 358 - 359, 361 - 367, 369 - 383, 385 - 392, 394 - 402, 404 - 408 AND 410 - 432

WILLOWOOD  
 SECTION 3 AREA 1  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP INC.  
 7130 MINSTREL WAY  
 Columbia, Md. 21045