

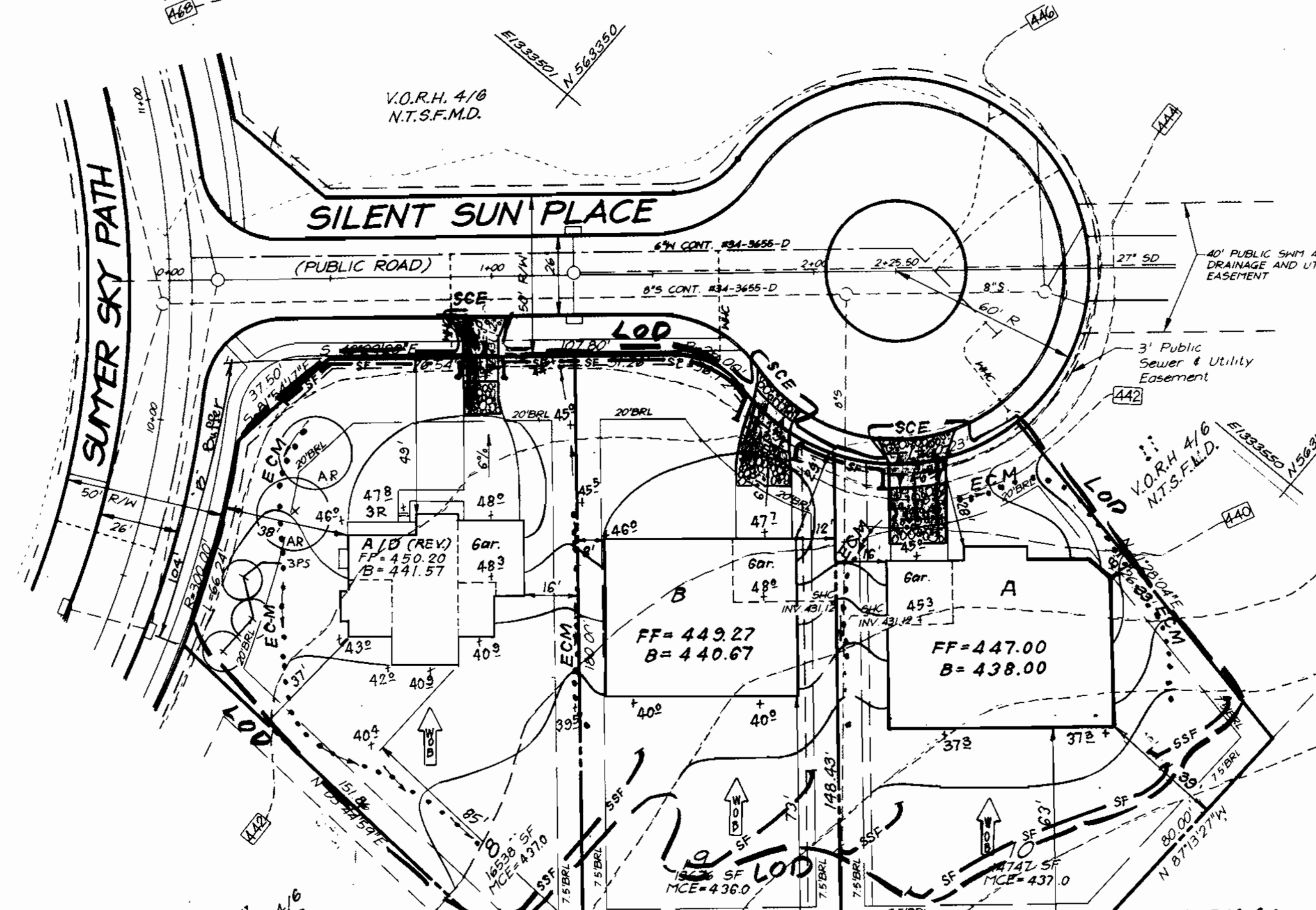
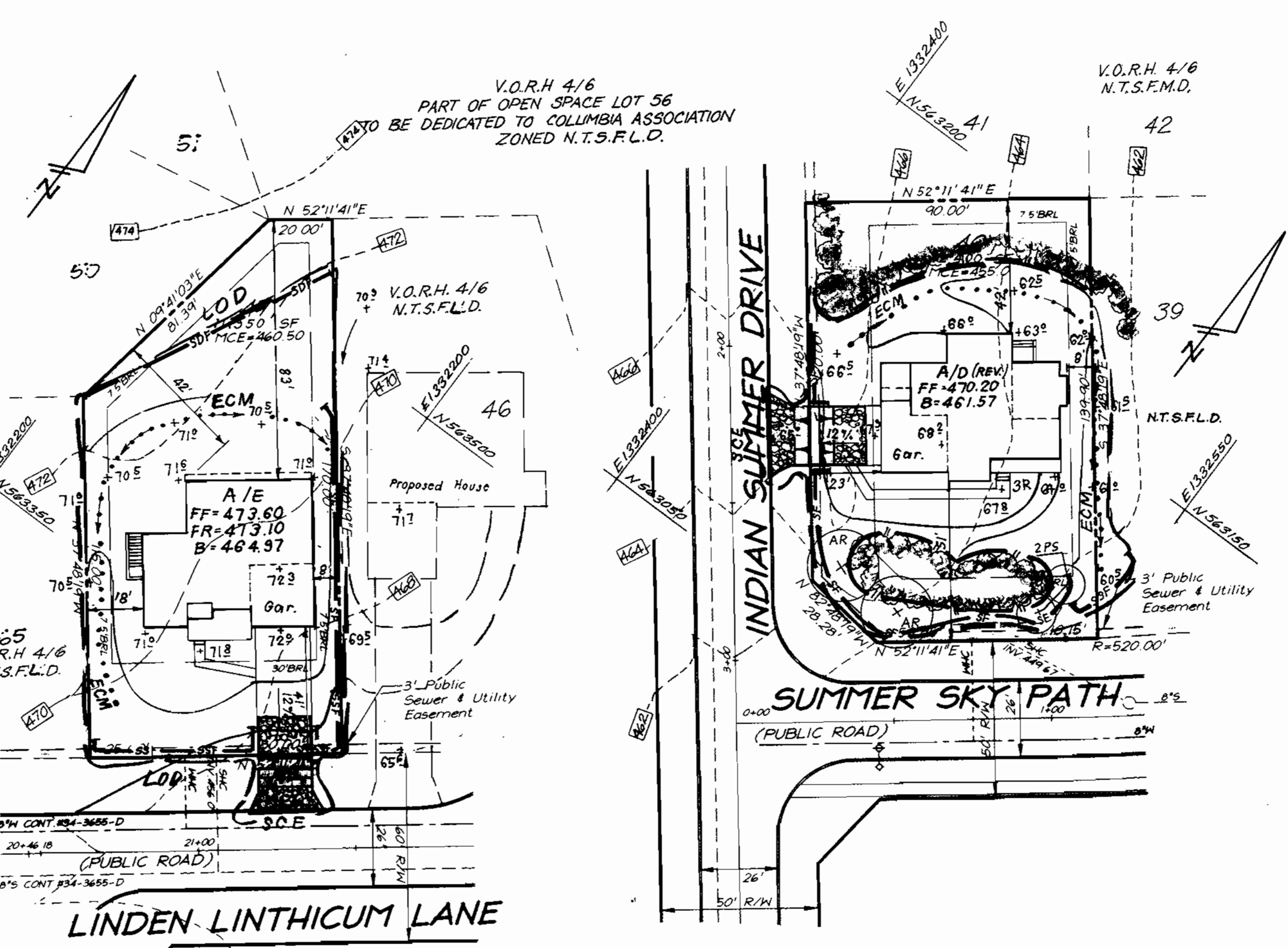
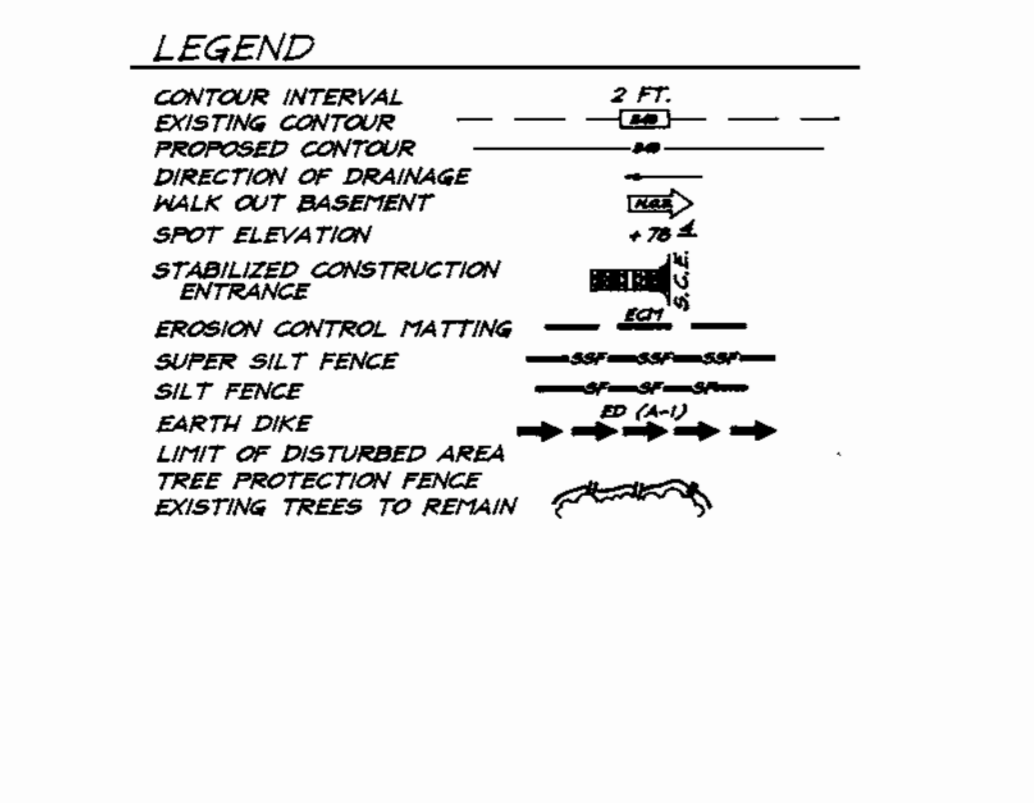
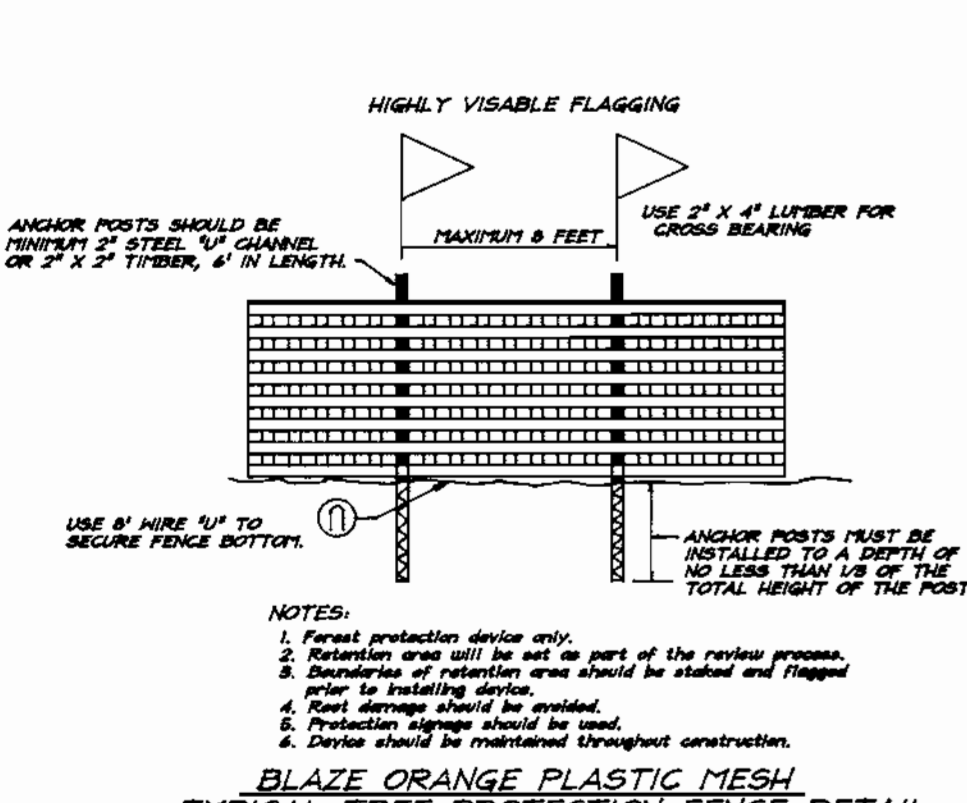
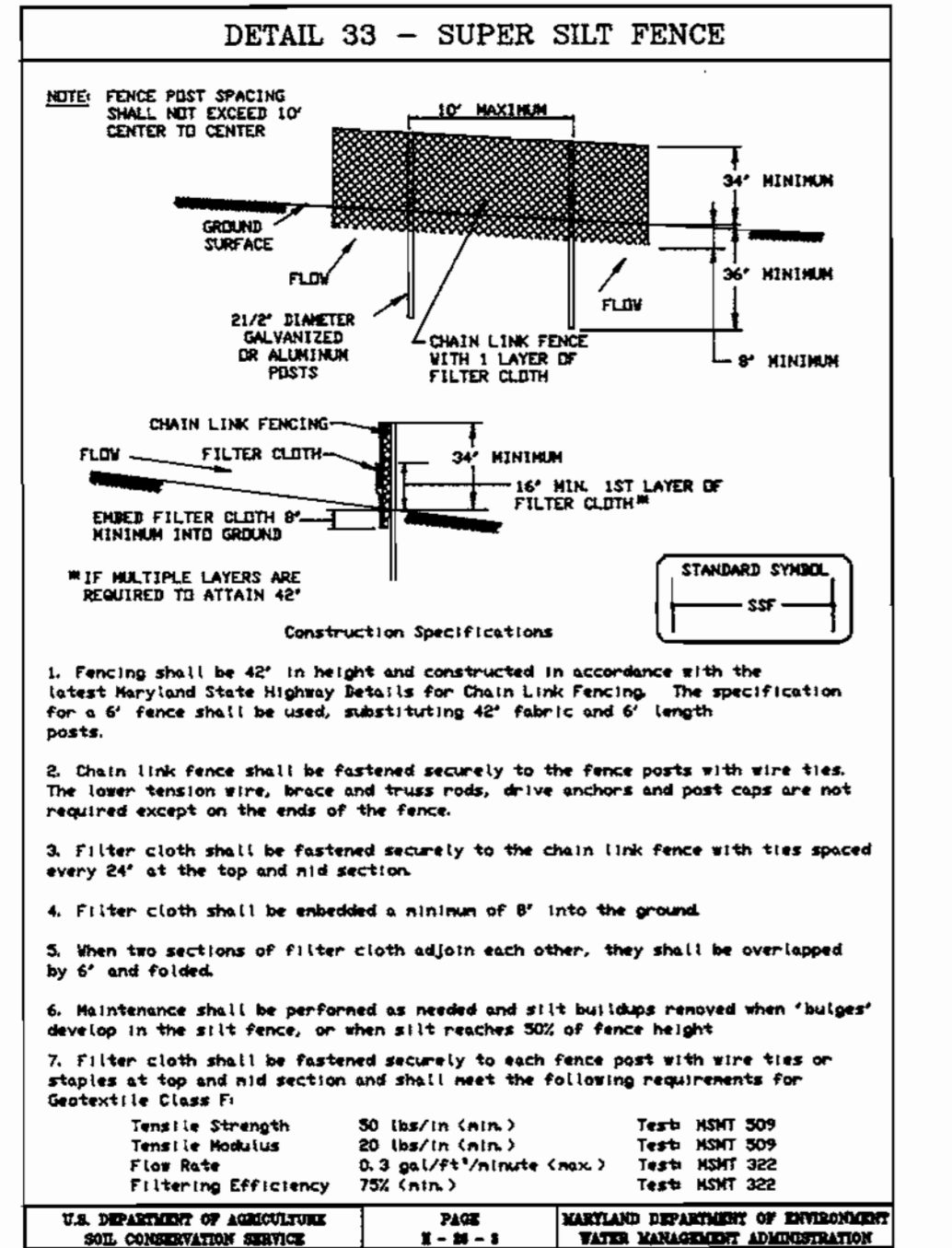
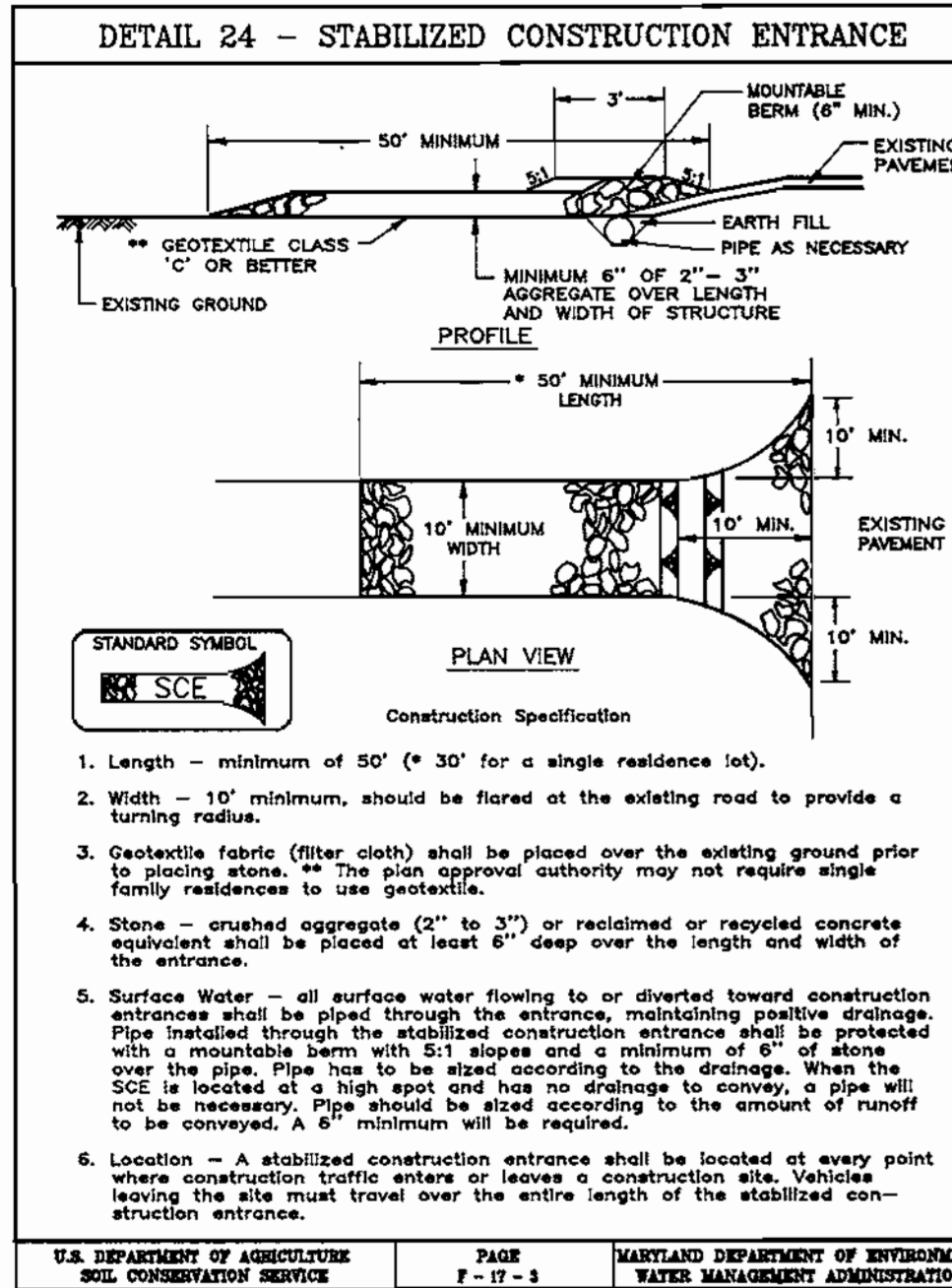
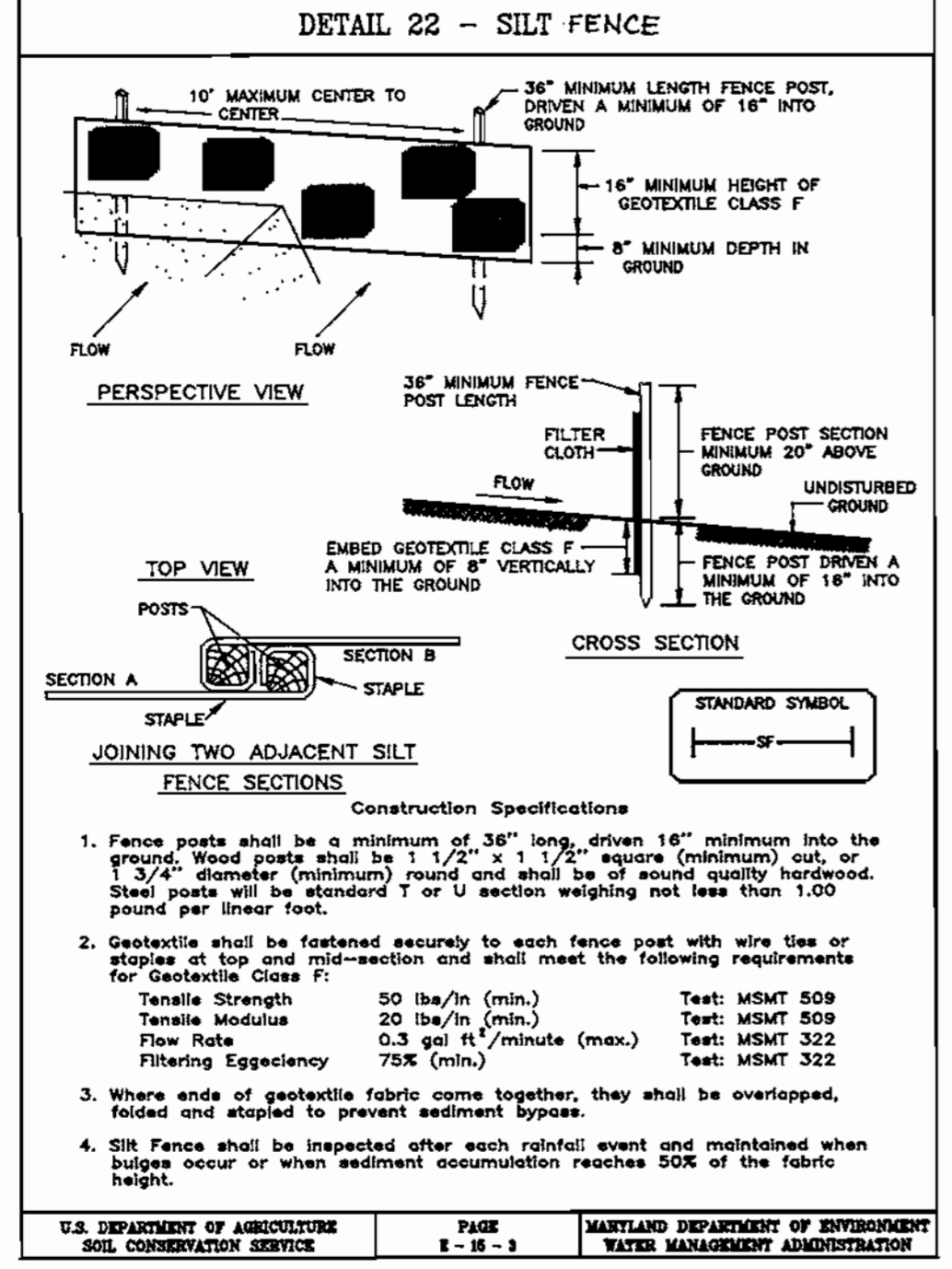
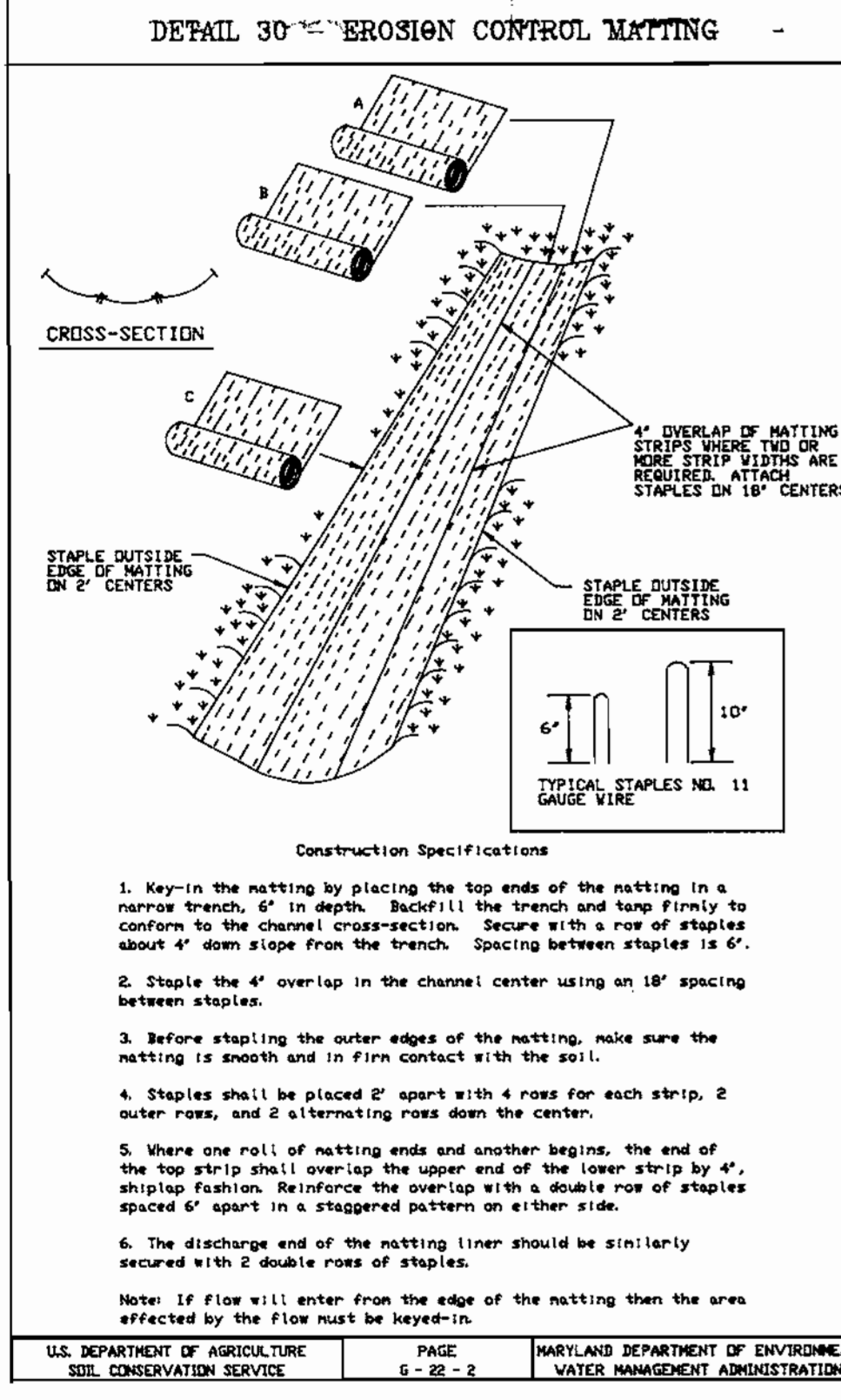
OWNER/DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT CORP
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MD 21044



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

DESIGNED J.M.E.	SITE DEVELOPMENT PLAN LOTS 8, 9, 10, 40, 47 COLUMBIA VILLAGE OF RIVER HILL SECTION 4 AREA 6 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'	
DRAWN K.B.		DRAWING 2 of 3	
CHECKED J.M.E.		JOB NO. 99-095	
DATE 7-8-99		FOR - GOODIER BUILDERS 10705 CHARTER DRIVE Columbia, Maryland 21044	FILE NO. 99-095 X

APPROVED DEPARTMENT OF PLANNING & ZONING
 [Signature] 8/21/99
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 8/21/99
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 9/3/99
 DIRECTOR



PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDING 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:

- Preferred - Apply 2 tons per acre dolomitic limestone (20 lb/1000 sq ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lb/1000 sq ft.) before seeding. Harrow or disc the upper three inches of soil. At the time of seeding, apply 1 lb/1000 sq ft. of 0-0-0 ureaform fertilizer (4 lb/1000 sq ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (20 lb/1000 sq ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lb/1000 sq ft.) before seeding. Harrow or disc the upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs per acre (14 lb/1000 sq ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 40 lbs per acre of Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.8 lb/1000 sq ft.) of creeping lovegrass. During the period October 16 thru February 28, protect sites by applying 2 lbs per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use seed and Option (3) Seed with 40 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw mulch.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lb/1000 sq ft.) of eroded straw mulch immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 200 gallons per acre (5 gal/1000 sq ft.) of eroded straw mulch. On slopes 8 feet or higher, use 340 gallons per acre (9 gal/1000 sq ft.) for anchoring.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

TEMPORARY SEEDING NOTES

SEEDING 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 lb/1000 sq ft.).

SEEDING: For periods March 1 thru April 30 and from August 1 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (3.2 lb/1000 sq ft.) for the period May 1 thru August 15, seed with 2 lbs per acre of creeping lovegrass (0.7 lb/1000 sq ft.). For the period November 1 thru February 28, protect sites by applying 2 lbs per acre well anchored straw mulch and seed as soon as possible in the spring, or use seed.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lb/1000 sq ft.) of eroded straw mulch immediately after application using mulch anchoring tool or 200 gallons per acre (5 gal/1000 sq ft.) of eroded straw mulch. On slopes 8 feet or higher, use 340 gallons per acre (9 gal/1000 sq ft.) for anchoring.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (305-1055).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
- Following initial soil disturbance or re disturbance, permanent or temporary stabilization practices shall be installed within:
 - 7 calendar days for all permanent sediment control structures, ditches, perimeter slopes and all slopes greater than 3%.
 - 14 days on all to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around them in accordance with 1010.1, Chapter 7, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above, in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. For permanent seedings, soil, temporary seeding or mulching (See 2.2). 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:	1.69 Acres
Area Disturbed:	1.8 Acres
Area to be vegetatively stabilized:	0.8 Acres
Total Seeded:	0.8 Acres
Total Filled:	0.0 Acres
- Off-site Water/Borrow Area Location:

Area:	0.0 Acres
Area to be vegetatively stabilized:	0.0 Acres
Total Filled:	0.0 Acres
- 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 DPM Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the Inspector agency must be requested upon completion of installation of permanent erosion and sediment control, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approval may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.
- The total amount of silt fence = 470 LF
- The total amount of super silt fence = 80 LF
- The total amount super diversion fence = 80 LF
- It is the responsibility of the contractor to identify the spoil/borrow area 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.	DESCRIPTION	NO. OF DAYS
1.	Obtain grading permit.	7
2.	Install tree protection fence.	7
3.	Install sediment and erosion control devices and stabilize.	30
4.	Excavate for foundations, retaining walls and stabilization.	30
5.	Construct structures, sidewalks and driveways.	60
6.	Install erosion control devices and stabilize in accordance with standards and specifications.	14
7.	Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7

* Delay construction of houses on lots: N/A

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose

To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetable growth.
 - The soil moisture is so shallow that the rooting zone is not deep enough to support plants or furnish containing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require specific consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization along the slopes.
- The original soil to be vegetated contains material toxic to plant growth.
- The soil is so acidic that treatment with limestone is not feasible.

Construction and Material Specifications

- Topsoil conveyed from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for use on the site shall be determined by the representative soil profile section in the Soil Survey published by USGS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, all loam or silty clay loam, heavy sand. Other soil may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textures. Subsoils and shall contain less than 5% by volume of shales, slates, siltstone fragments, gravel, cobbles, rocks, trash, or other materials larger than 1 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 lbs/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with slope operations as described in the following procedure.
- For sites having disturbed areas under 5 acres:
 - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
 - Topsoil shall be uniformly distributed in a 4" - 6" layer and shall be compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that seeding or sowing can proceed with a minimum of additional soil preparation. USGS 1022-205 in cooperation with Maryland Agricultural Experiment Station.
 - Grasses on the areas to be topsoiled, which have been previously established, shall be maintained, about 4" - 8" higher in elevation.
 - Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may change to detrimental to proper grading and seedbed preparation.

OWNER / DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
10275 LITTLE PATENT PARKWAY
COLUMBIA, MARYLAND 21044

APPROVED: DEPARTMENT OF PLANNING & ZONING

[Signature] 8/25/99

DATE: 8/25/99

CHIEF, DEVELOPMENT ENGINEERING DIVISION

[Signature] 8/31/99

DATE: 8/31/99

CHIEF, DIVISION OF LAND-DEVELOPMENT

[Signature] 9/3/99

DATE: 9/3/99

DIRECTOR

Reviewed for: HOWARD S.C.D. and needs Technical Requirements

[Signature] 8/25/99

DATE: 8/25/99

U.S. Natural Resource Conservation Service

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

[Signature] 8/25/99

DATE: 8/25/99

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.

[Signature]

NAME: ROBERT C. GOODIER

DATE: 7-19-99

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]

G. NELSON CLARK

DATE: 7-12-99

CLARK • FINEFROCK & SACKETT, IN

ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.

DESIGNED	J.M.E.	SCALE	AS SHOWN
DRAWN	K.B.	DRAWING	3 of 3
CHECKED	J.M.E.	JOB NO.	99-095
DATE	7-8-99	FILE NO.	99-095 3 of 3

SEDIMENT & EROSION CONTROL PLAN

LOTS 8, 9, 10, 40, 47

COLUMBIA VILLAGE OF RIVER HILL

SECTION 4 AREA 6

FIFTH (5th) ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

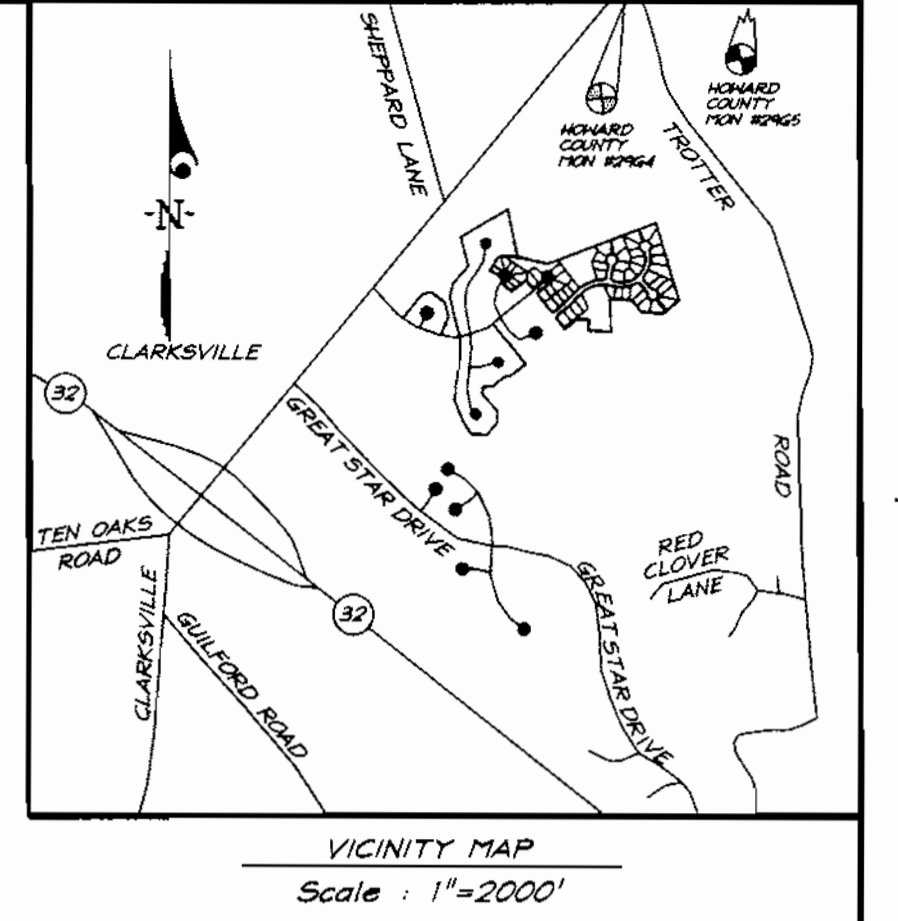
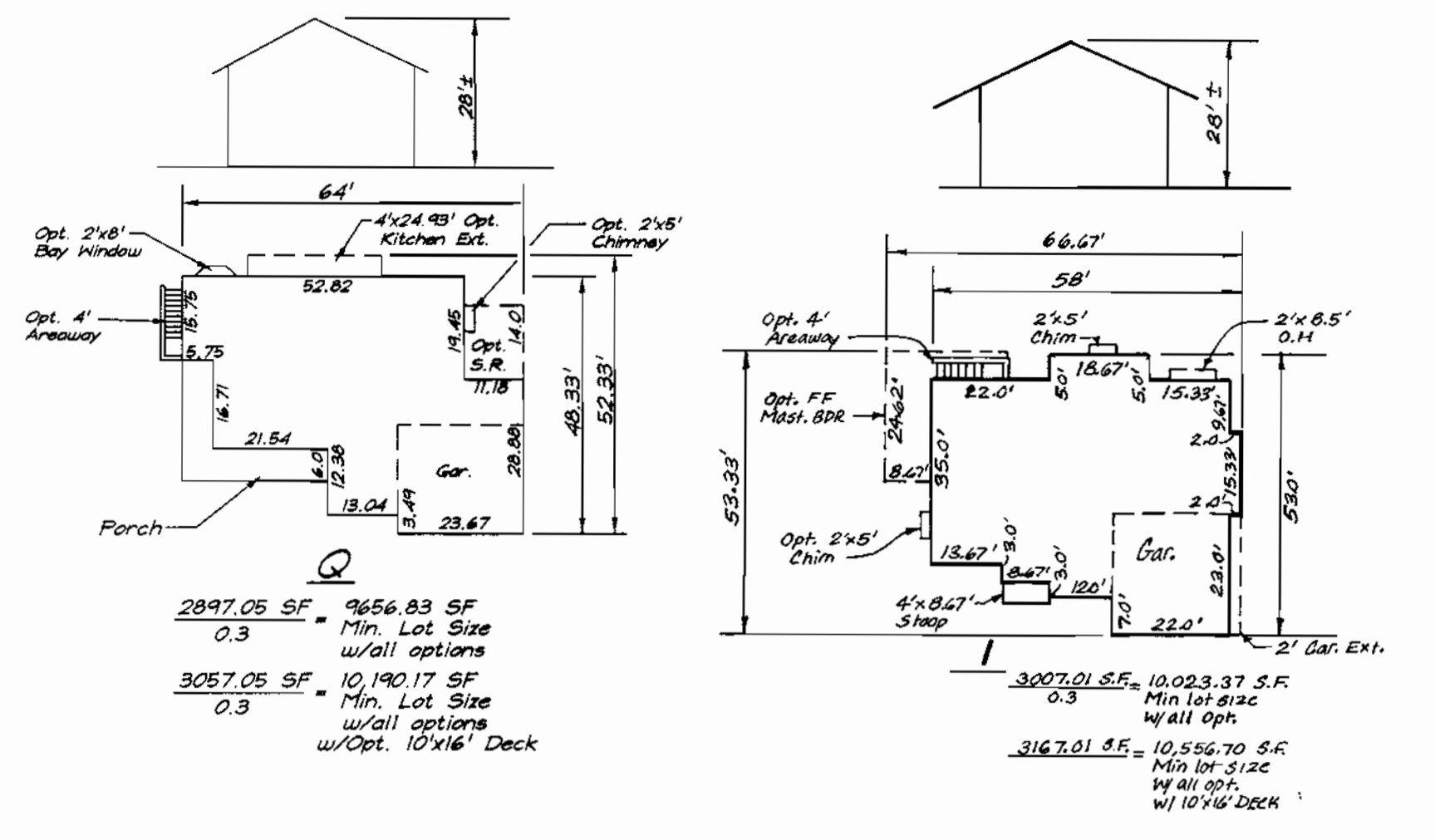
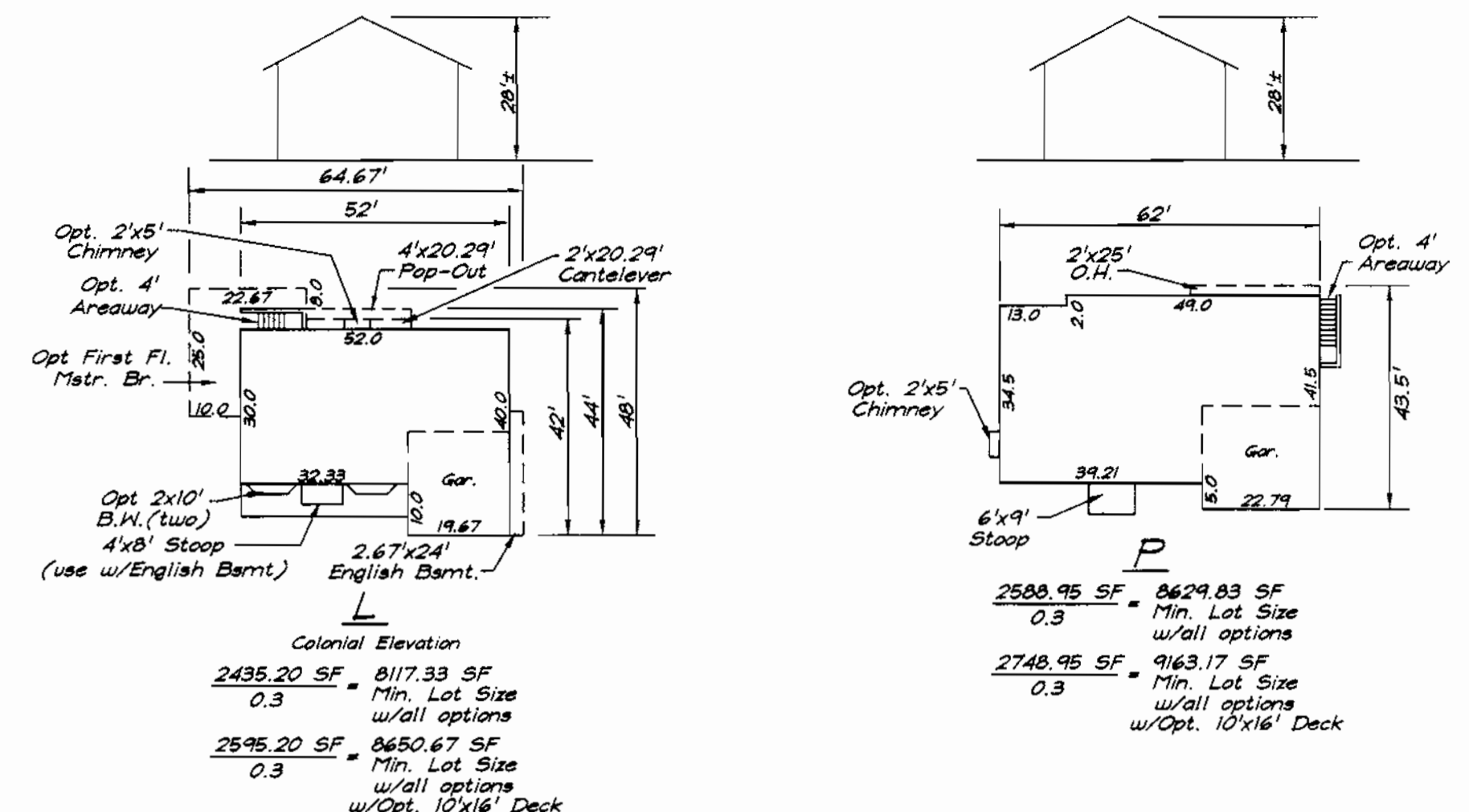
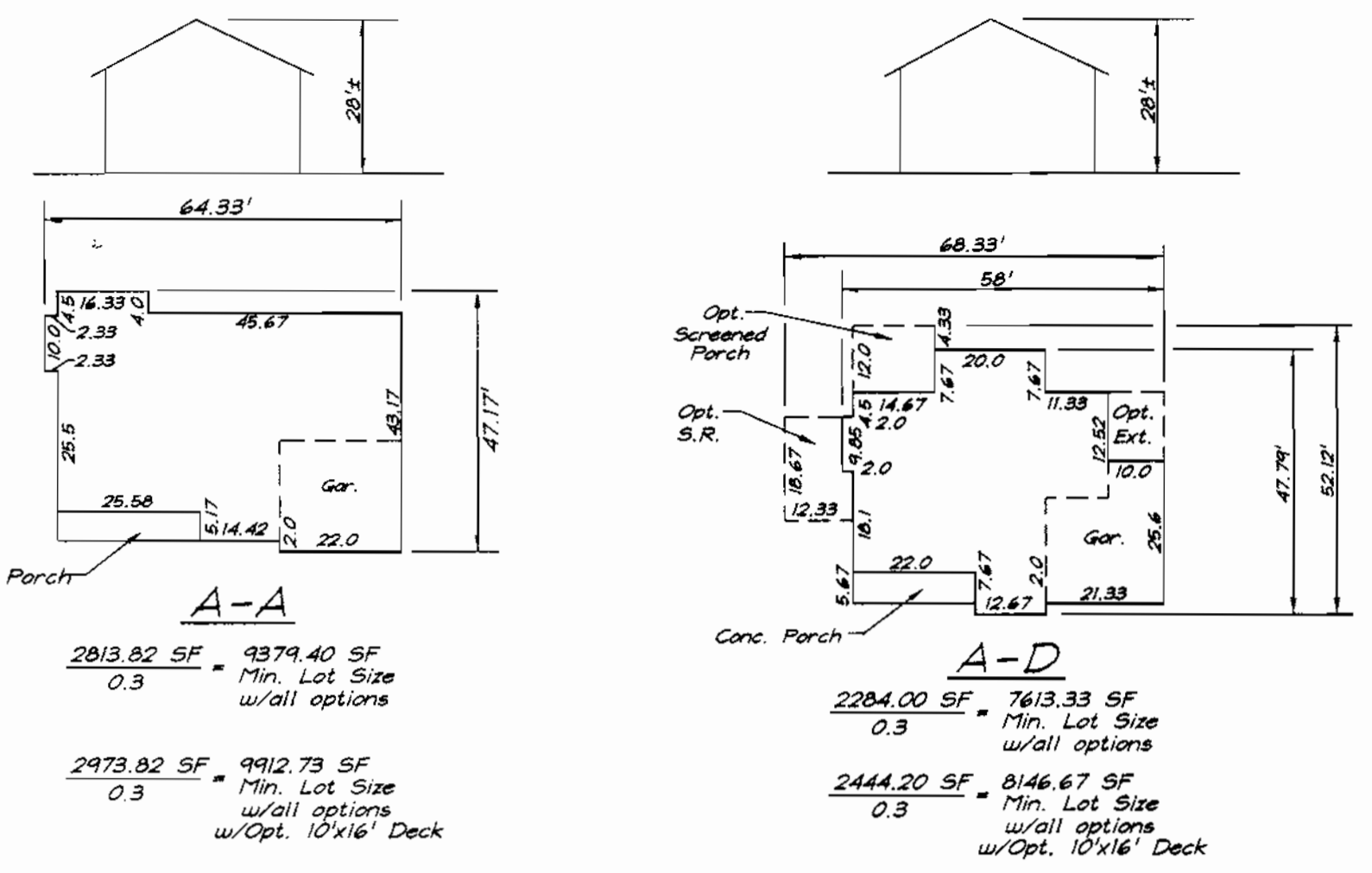
FOR: GOODIER BUILDERS

10705 CHARTER DRIVE

Columbia, Maryland 21044

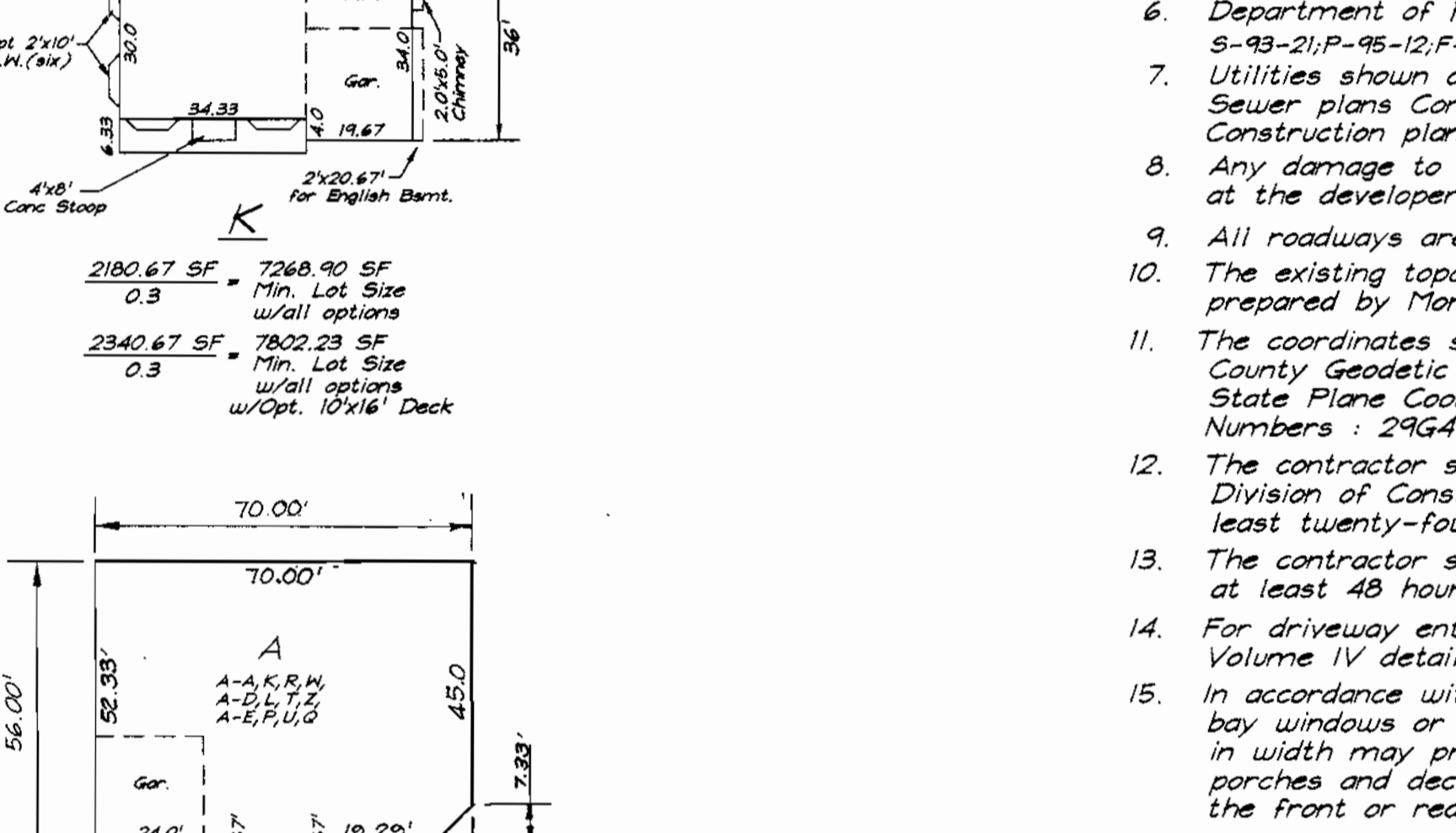
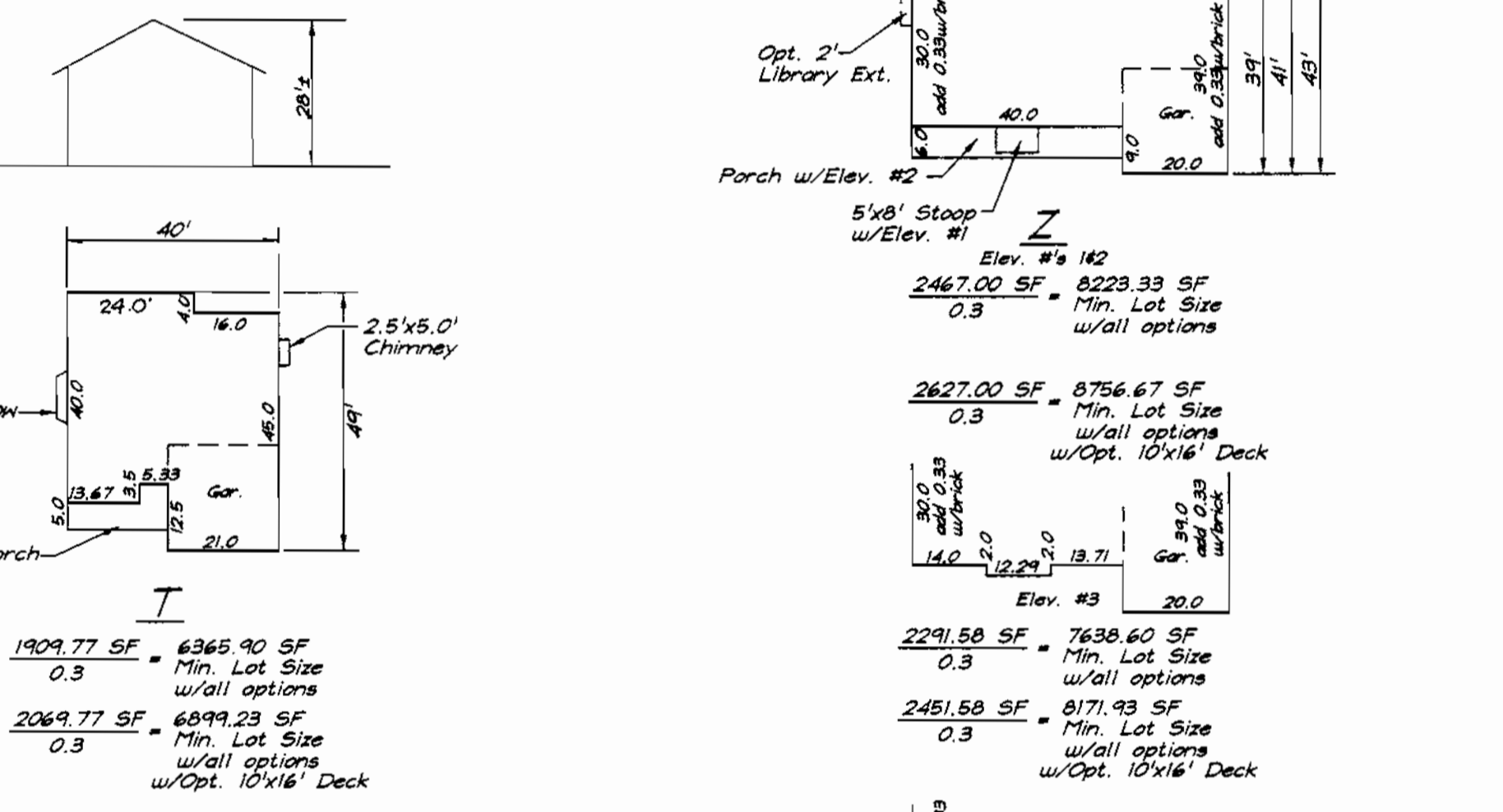
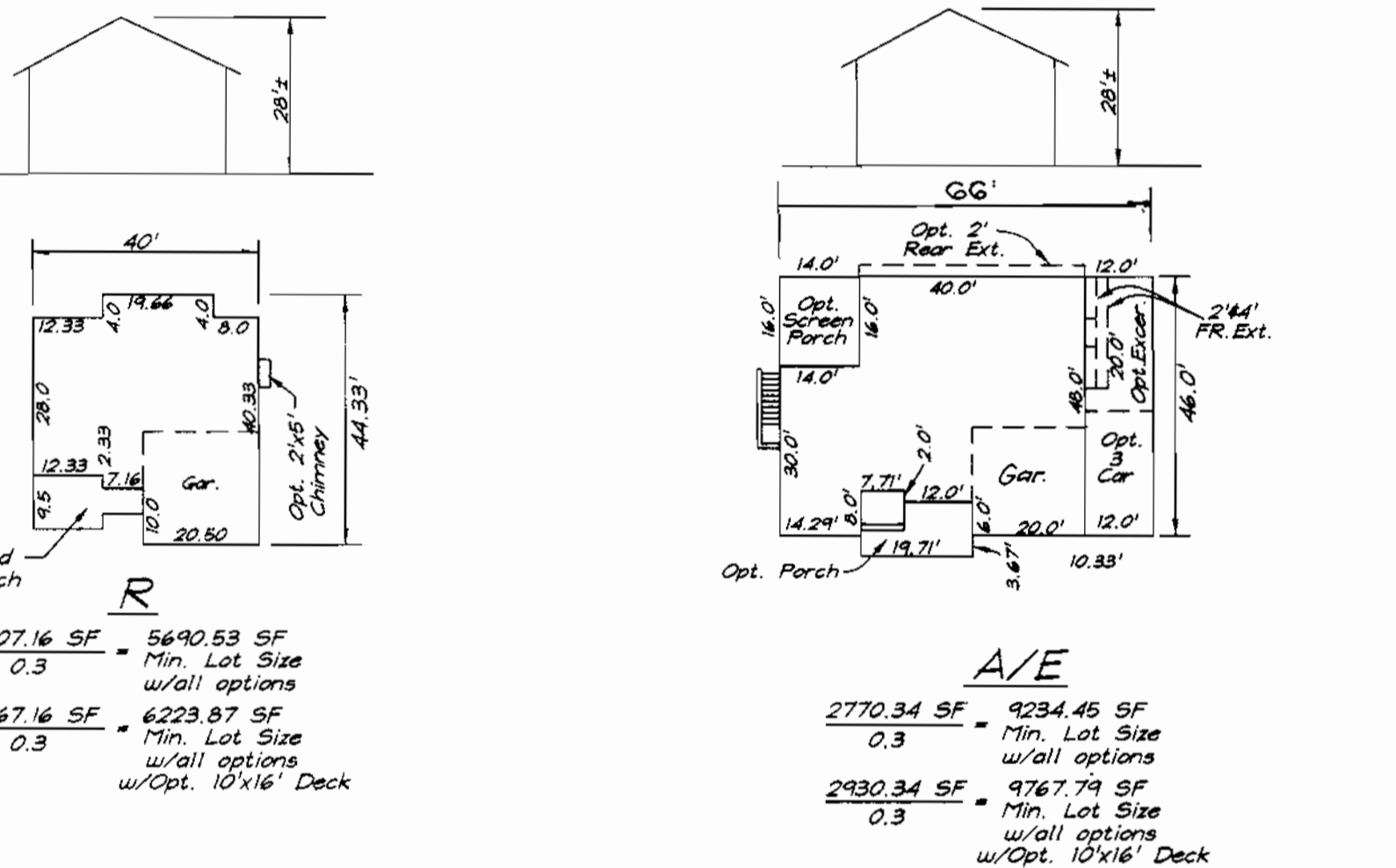
(9) D/99095

SDP 00-08



BENCHMARKS:
 Howard County Monument 2964
 Intersection of MD. Route 108 and Trotter Road

Howard County Monument 2965
 on additional 2,544'± Northeastly along MD. Route 108 away from Site



- GENERAL NOTES:**
- Subject property is zoned: NTSFLD per 10-18-93 Comprehensive Zoning Plan.
 - The total area included in this submission is: 1.59 Acres.
 - The total number of lots included in this submission is: 5
 - Improvement to property: Single Family Detached
 - The maximum lot coverage permitted is: 30%
 - Department of Planning and Zoning reference file numbers: S-93-21; P-95-12; F-96-102; WP-95-70.
 - Utilities shown as existing are taken from approved Water and Sewer plans Contract #34-3586-D, approved Road Construction plans F-96-102, and actual field survey.
 - Any damage to county owned rights-of-way shall be corrected at the developer's expense.
 - All roadways are public and existing.
 - The existing topography was taken from Road Construction Plans prepared by Morris & Ritchie Associates in January 1996.
 - The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monuments Numbers: 2964 & 2965
 - The contractor shall notify the Department of Public Works/ Division of Construction Inspection at (410) 313-1880 at least twenty-four (24) hours 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.
 - For driveway entrance details, refer to Ho. Co. Design Manual Volume IV details R.6.03 & R.6.05.
 - In accordance with FDP-Phase 222-A Part VI, bay windows or chimneys not more than 10 feet in width may project not more than 4 feet into any setbacks; porches and decks may project not more than 3 feet into the front or rear setbacks.
 - Quantity Storm water Management for Section 4, Area 6 is provided by one facility below lot 12 on Silent Sun Place. Quality Management for this section will be provided by one extended Detention facility adjacent to the SWM pond. The subdivision is located in the Patuxent River area sub-basin and is a Class 1 Watershed.
 - SHC Elevations shown are at the Property lines.
 - This plan has been prepared in accordance with provision of Section 16-124 of the Howard County Code and the Landscape Manual. Financial Surety for the required 9 trees is the amount of \$1950.00 is part of the builders Grading Permit Application. See Schedule H, this sheet.

PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUAN	REMARK
(A)	ACER RUBRUM OCTOBER GLORY	2 1/2" - 3" CAL. 6'-8" HT.	4	
(B)	PINUS STROBUS WHITE PINE	6'-8" HT.	5	

- NOTES:**
- All plant materials shall be full and heavy, be well formed and symmetrical, conform to the most current AAN specifications and be installed in accordance with L.C.A.M.H. landscape specifications.
 - Contractor shall verify location of all underground utilities prior to digging.
 - Final location of plant material may need to vary to meet final field conditions. Trees shall not be planted in the bottom of drainage swales.

SCHEDULE A PERIMETER LANDSCAPE EDGE

Category	Adjacent to Roadways 'B'	Lot 40	Lot 8
Landscape Type		98'	104'
Number of Plants Required			
Shade Trees	2 (1/50)		2
Evergreen Trees	2 (1/40)		3
Shrubs			
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	NO		NO
Number of Plants Provided			
Shade Trees	2		2
Evergreen Trees	2		3
Other Trees (2:1 substitution)			
Shrubs (10:1 substitution)			
(Describe plant substitution credits below if needed)			
Surety	\$900.00		\$1050.00

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
8	5800 Silent Sun Place
9	5804 Silent Sun Place
10	5808 Silent Sun Place
40	5808 Summer Sky Path
47	12203 Linden Linthum Lane

SHEET INDEX

DESCRIPTION	SHT. NO.
COVER SHEET	1 of 3
SITE DEVELOPMENT PLAN	2 of 3
SEDIMENT & EROSION CONTROL PLAN	3 of 3

OWNER / DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 10276 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044

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-96-102 and/or approved Water and Sewer Plans Contract #34-3586-D.

SUBDIVISION NAME	SECTION/AREA	LOTS/PARCELS
VILLAGE OF RIVER HILL	4/6	8, 9, 10, 40, 47
PLAT NO. 13506	BLOCK NO. 1	ZONE NTSFLD
TAX MAP NO. 35	ELECTION DIST. 5th	CENSUS TRACT 6055
WATER CODE 110	SEWER CODE 6653000	

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 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 821-8100 WASH.

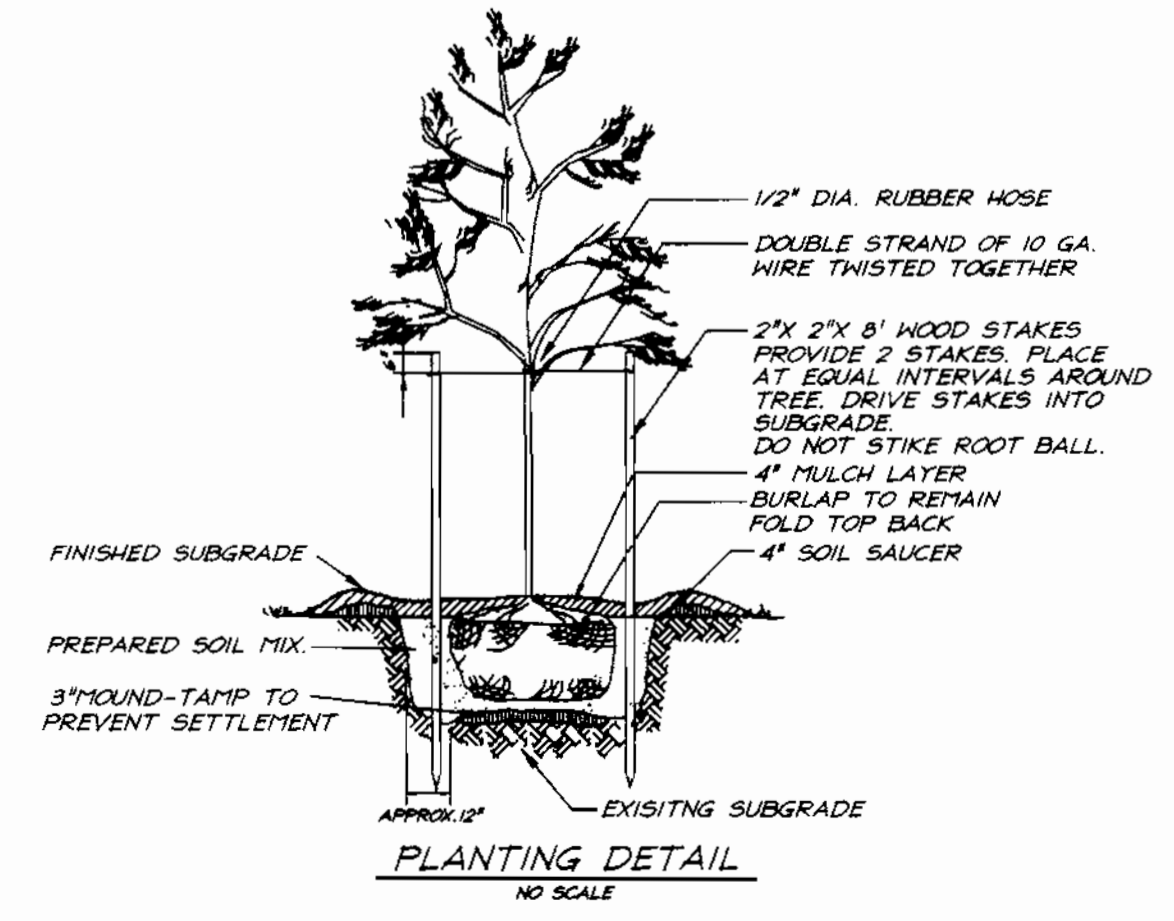
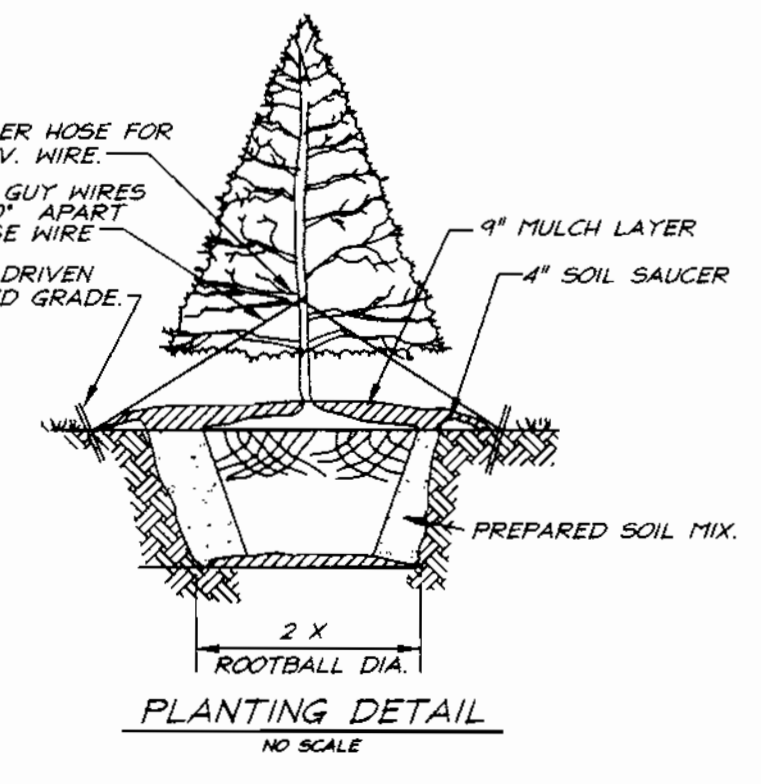
DESIGNED	SITE DEVELOPMENT	SCALE
J.M.E.	LOTS 8, 9, 10, 40, 47	1" = 30'
DRAWN	COLUMBIA	DRAWING
K.B.	VILLAGE OF RIVER HILL	1 of 3
CHECKED	SECTION 4 AREA 6	JOB NO.
J.M.E.	FIFTH (5th) ELECTION DISTRICT	99-095
DATE	FOR: GOODIER BUILDERS	FILE NO.
7-19-99	10705 CHARTER DRIVE	99-095-X
	Columbia, Maryland 21044	

REVISIONS

NO.	ADD I USE TO PLAN	DATE
1	ADD I USE TO PLAN	11-5-99

APPROVED: DEPARTMENT OF PLANNING & ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DIRECTOR

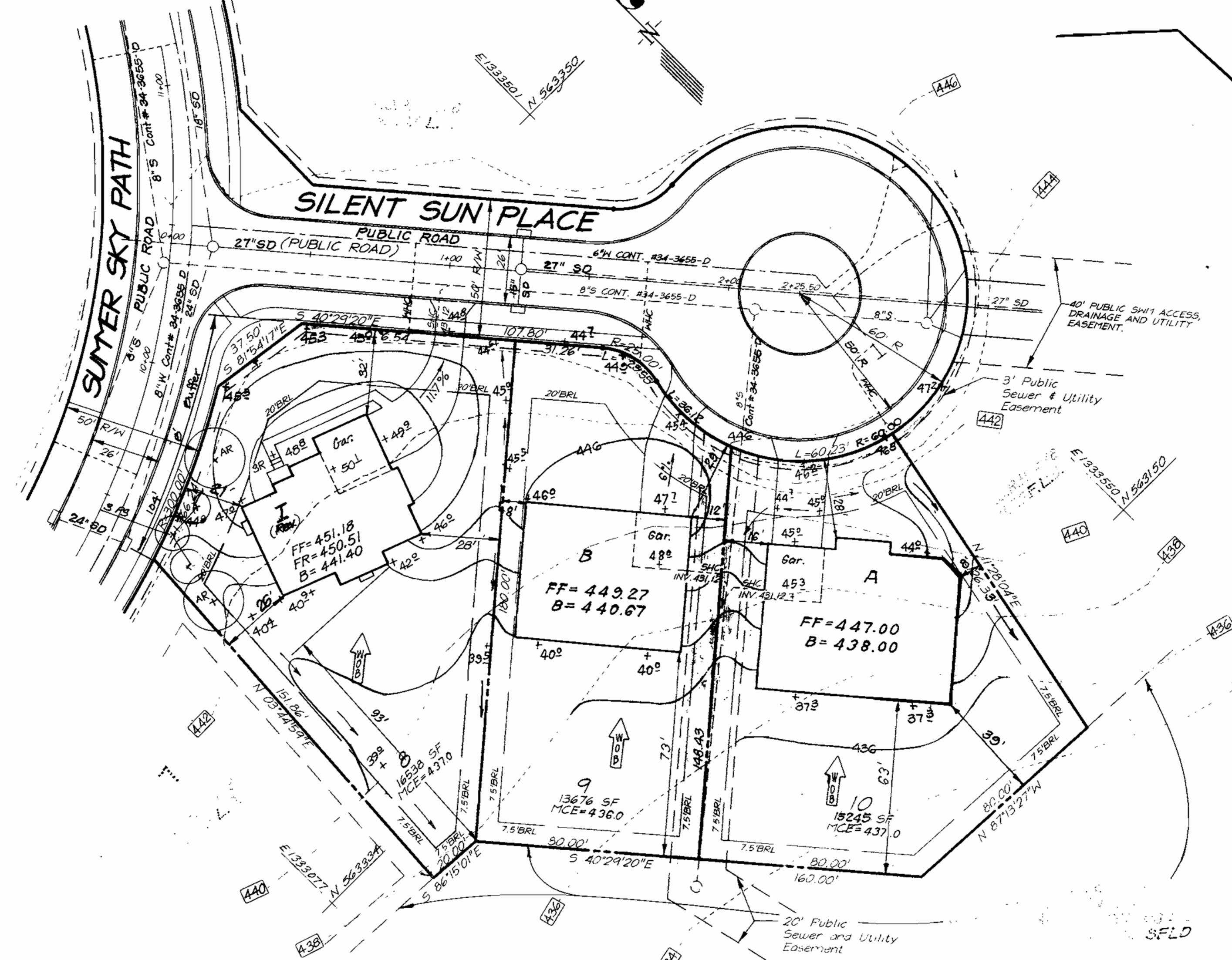
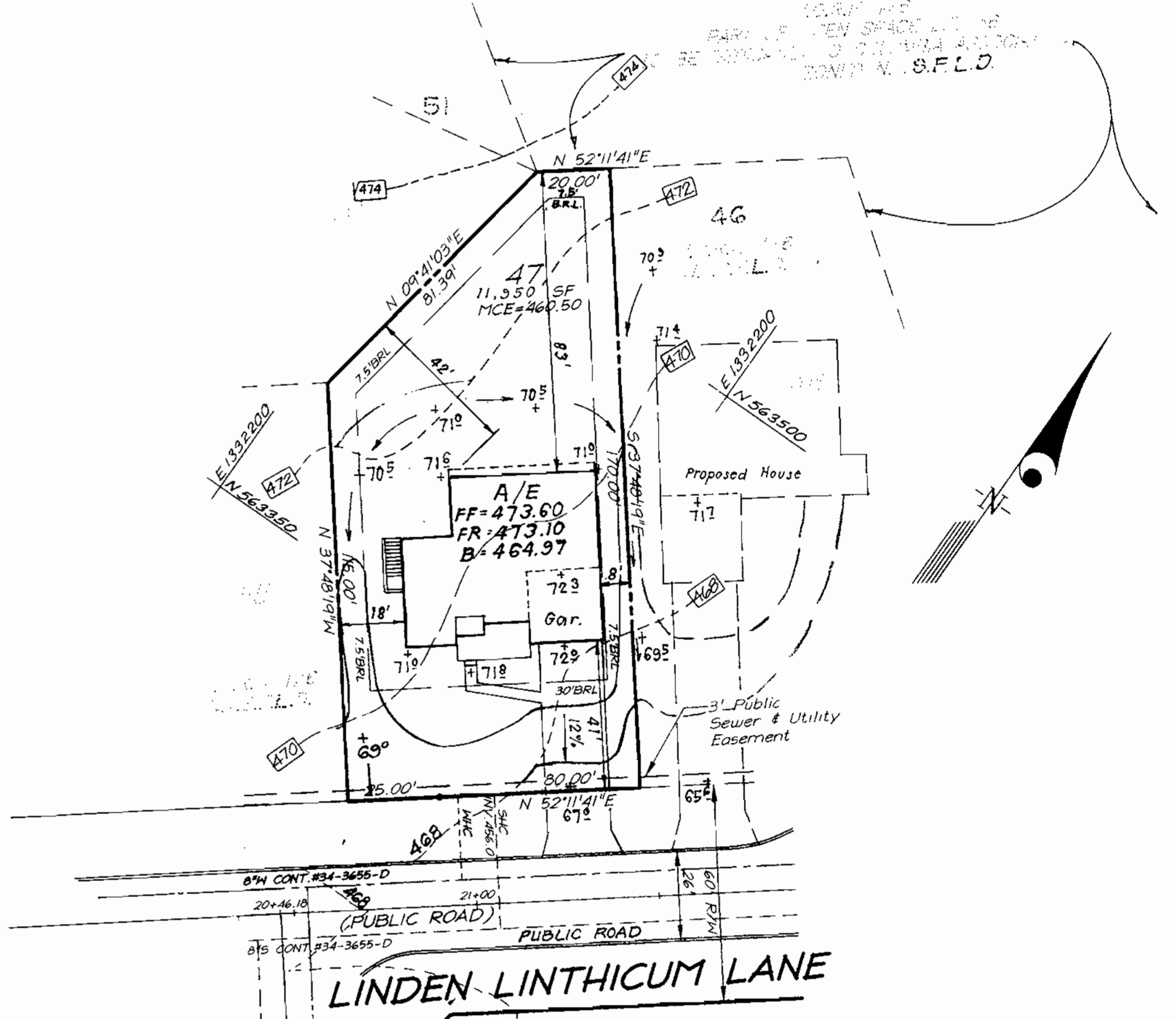
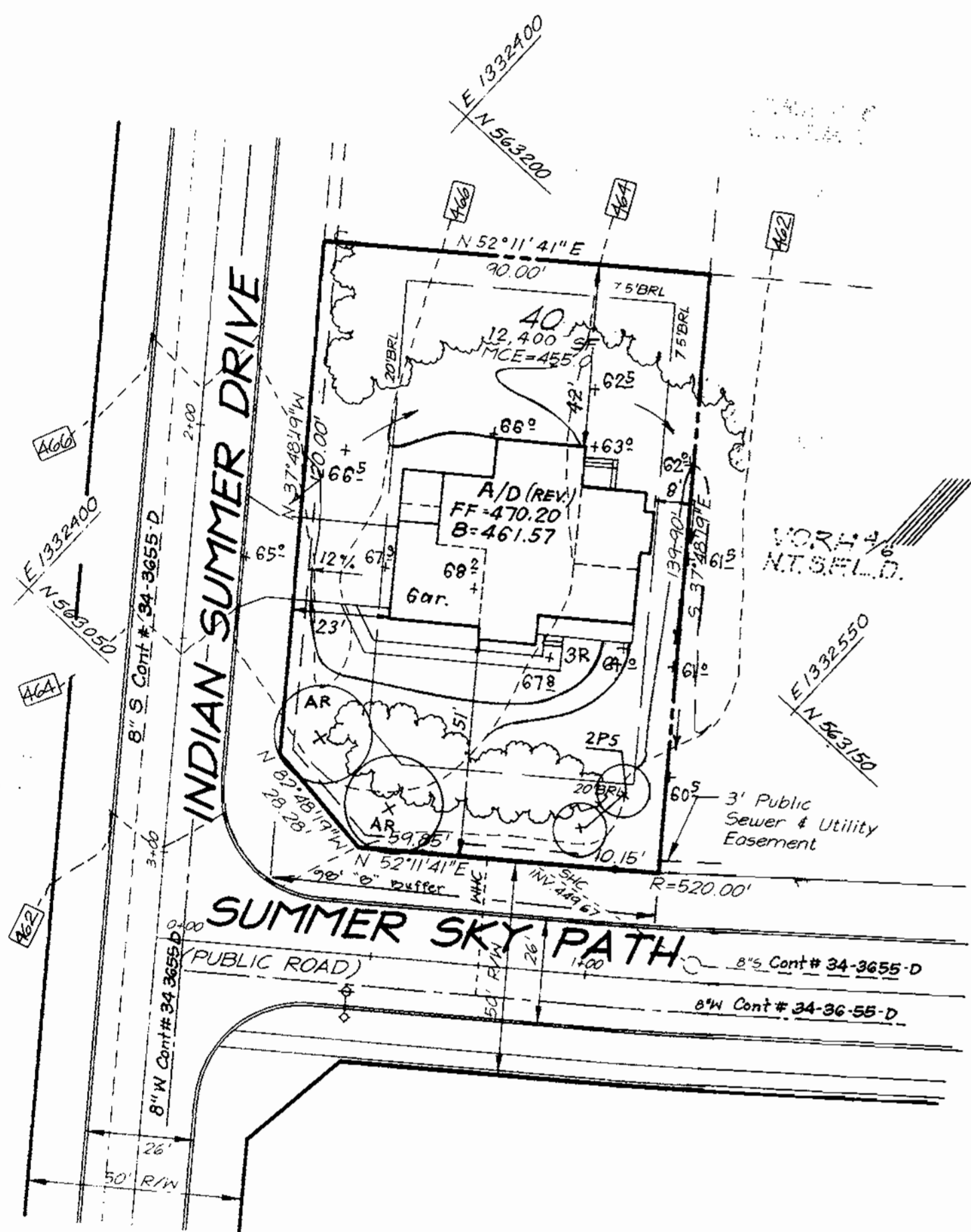
8/27/99
 8/11/99
 9/3/99



DEVELOPER'S/BUILDERS CERTIFICATE
 I/We certify that the landscaping shown on this plan will be done according to plan, section 16-124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a Certificate of Landscape Installation, accompanied by an executed one year guarantee of plant materials, will be submitted to the Department of Planning and Zoning.

Name: ROBERT C. GOODIER, PRES. Date: 7-19-99





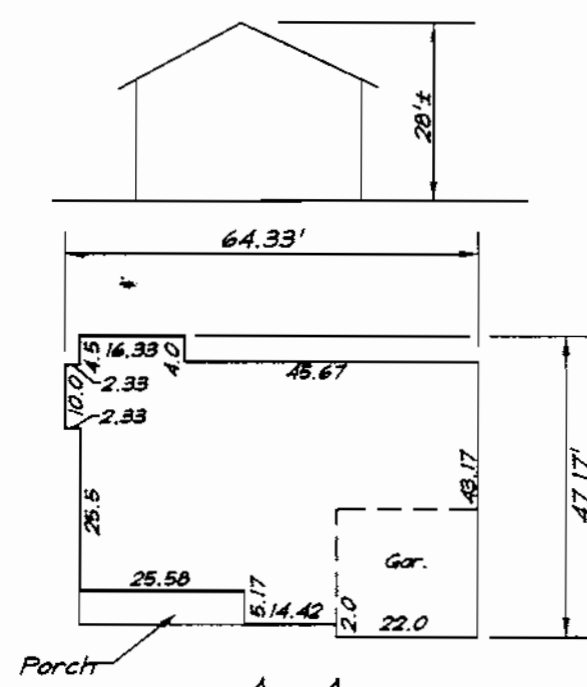
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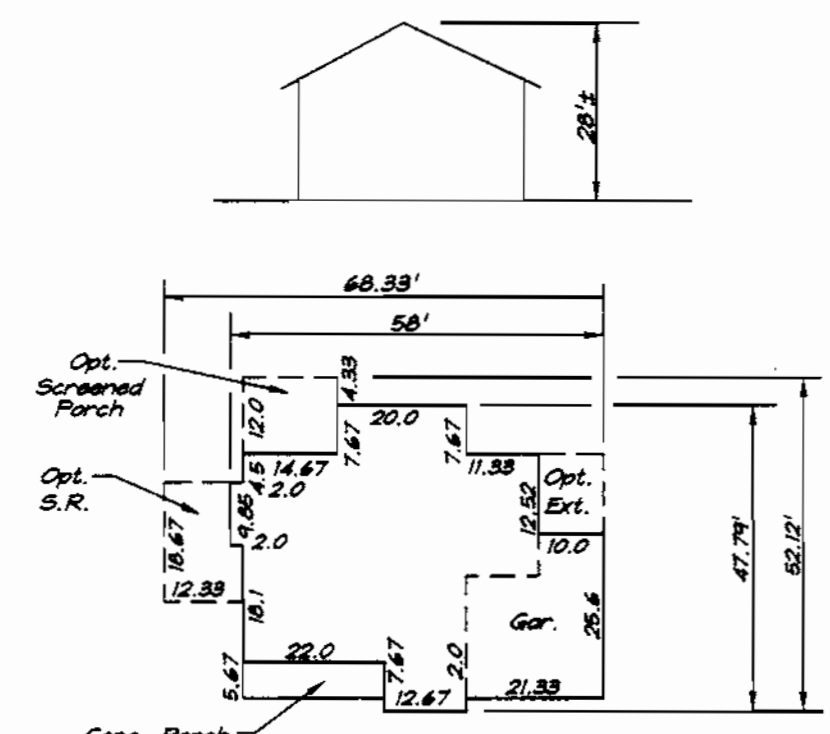
CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT • (301) 621-8100 WASH.		
DESIGNED J.M.E.	SITE DEVELOPMENT PLAN LOTS 8, 9, 10, 40, 47 COLUMBIA VILLAGE OF RIVER HILL SECTION 4 AREA 6 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 20'
DRAWN K.B.		DRAWING 2 of 3
CHECKED J.M.E.		JOB NO. 99-095
DATE 7-8-99		FOR GOODIER BUILDERS 10708 CHARTER DRIVE Columbia, Maryland 21044

APPROVE: *John D. ...* 8/2/99
 CHIEF, CIVIL/PLANNING DIVISION
Cindy ... 8/2/99
 CHIEF, DIVISION OF LAND DEVELOPMENT
Paul ... 9/3/99
 DATE

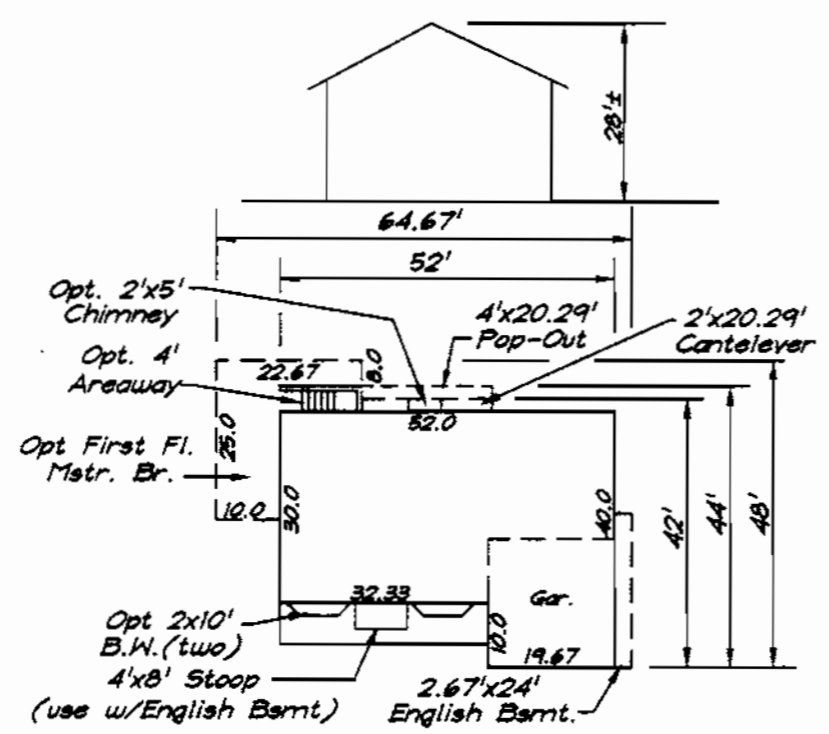
NO.	REVISIONS	DATE
1	Rev. Hsc 3 (rd lot B)	11-5-99



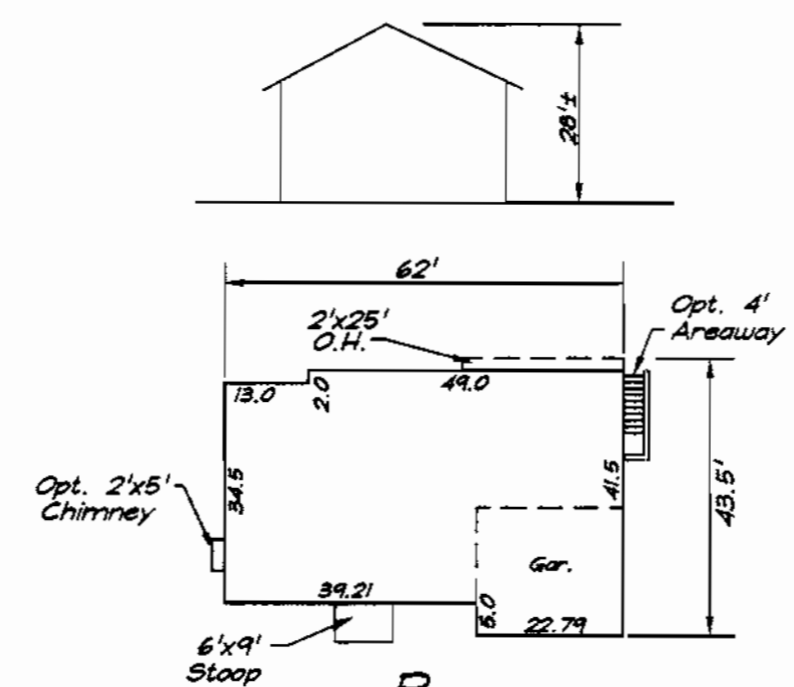
A-A
 2813.82 SF = 9379.40 SF
 0.3 Min. Lot Size w/all options
 2978.82 SF = 9912.73 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



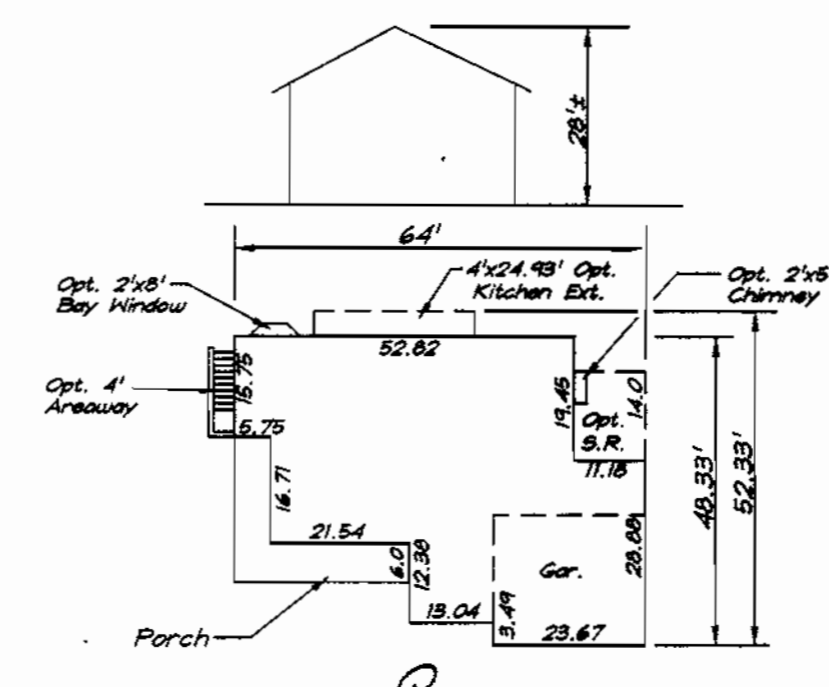
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 2284.00 SF = 7613.33 SF
 0.3 Min. Lot Size w/all options
 2444.20 SF = 8146.67 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



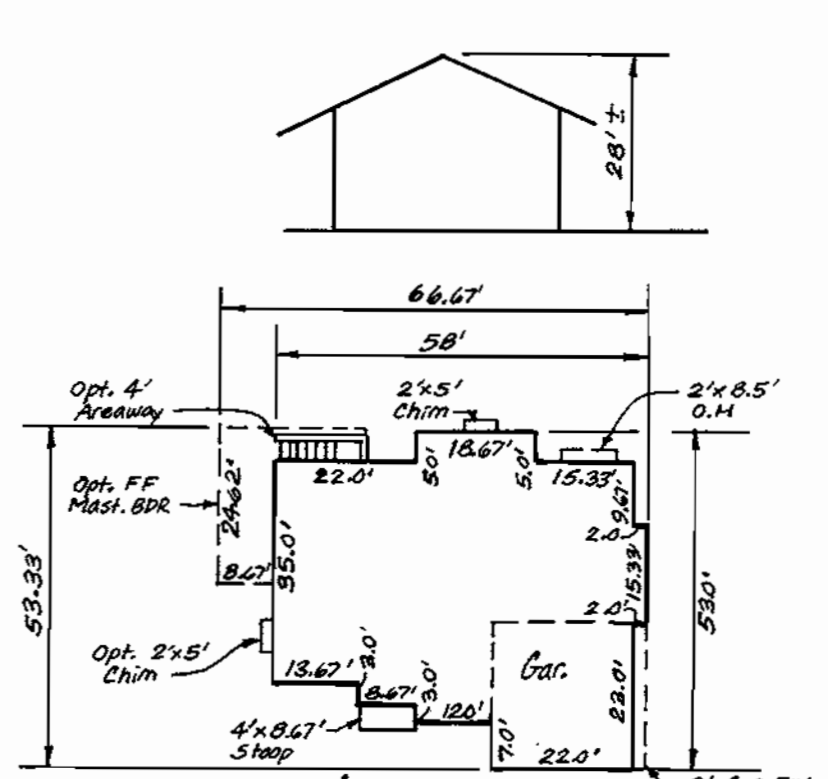
L
 Colonial Elevation
 2435.20 SF = 8117.33 SF
 0.3 Min. Lot Size w/all options
 2595.20 SF = 8650.67 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



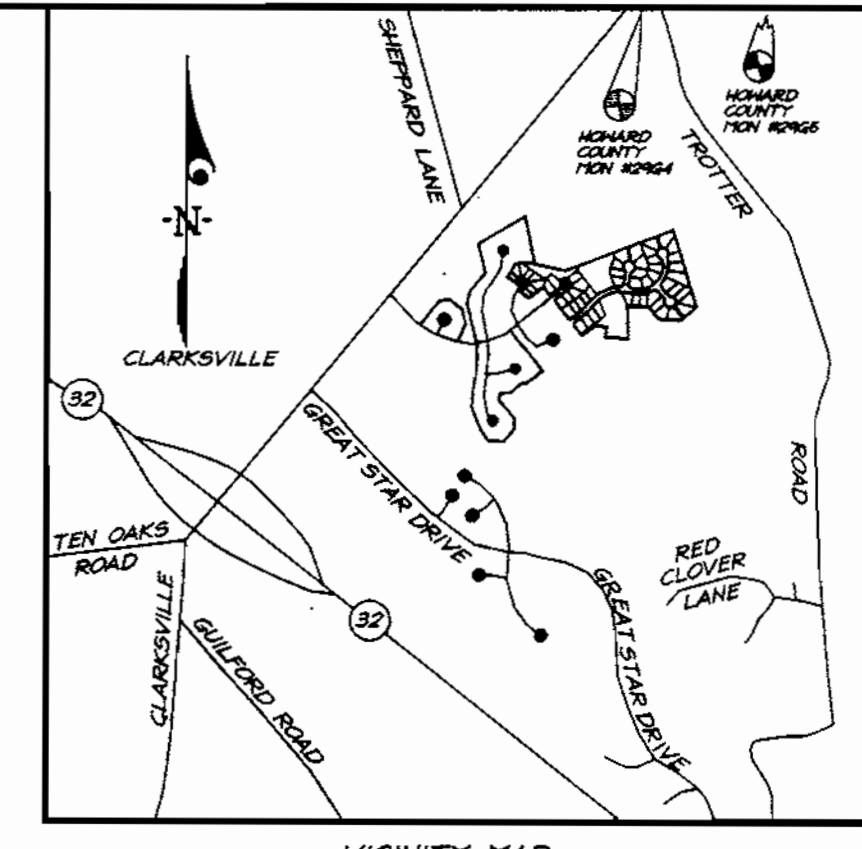
P
 2588.95 SF = 8629.83 SF
 0.3 Min. Lot Size w/all options
 2748.95 SF = 9163.17 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



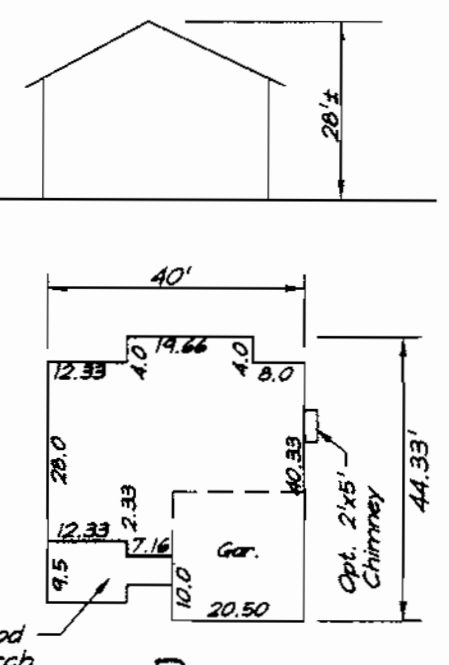
Q
 2897.05 SF = 9656.83 SF
 0.3 Min. Lot Size w/all options
 3057.05 SF = 10190.17 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



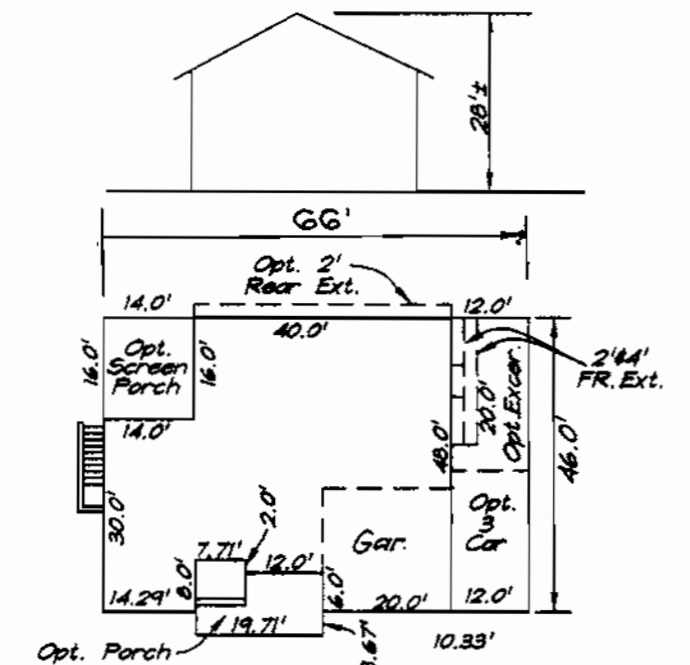
I
 3007.01 SF = 10023.37 SF
 0.3 Min. Lot Size w/all options
 3167.01 SF = 10556.70 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



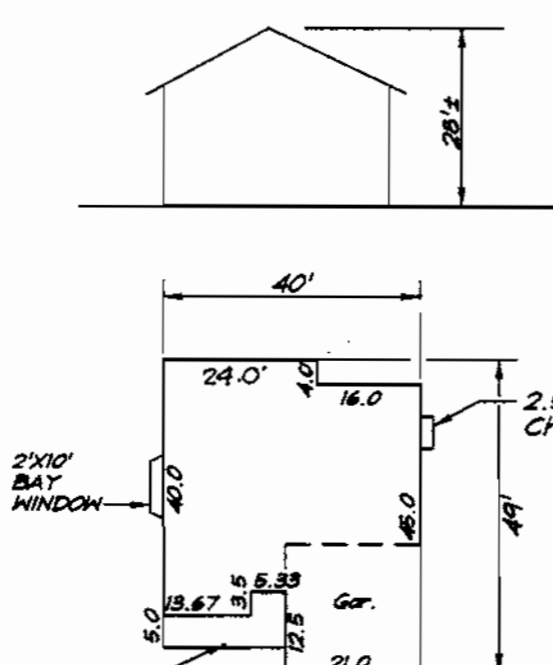
VICINITY MAP
 Scale: 1"=2000'
BENCHMARKS:
 Howard County Monument 29G4
 Intersection of MD. Route 108 and Trotter Road
 Howard County Monument 29G5
 an additional 2.54' Northeastly along MD. Route 108 away from Site



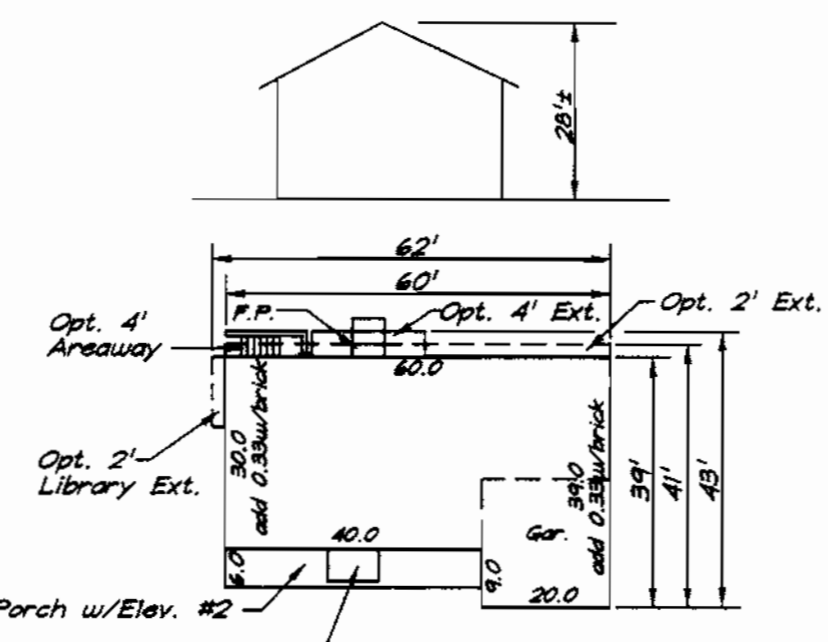
R
 1707.16 SF = 5690.53 SF
 0.3 Min. Lot Size w/all options
 1867.16 SF = 6223.87 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



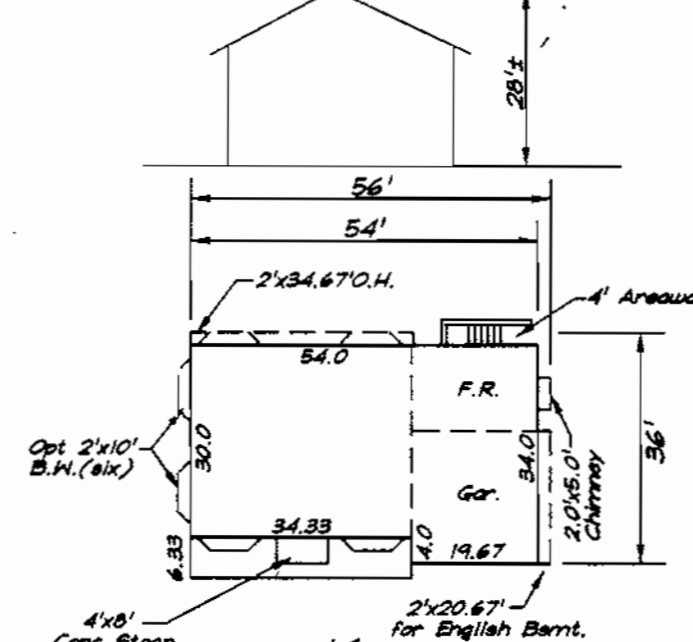
A/E
 2770.34 SF = 9234.45 SF
 0.3 Min. Lot Size w/all options
 2930.34 SF = 9767.79 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



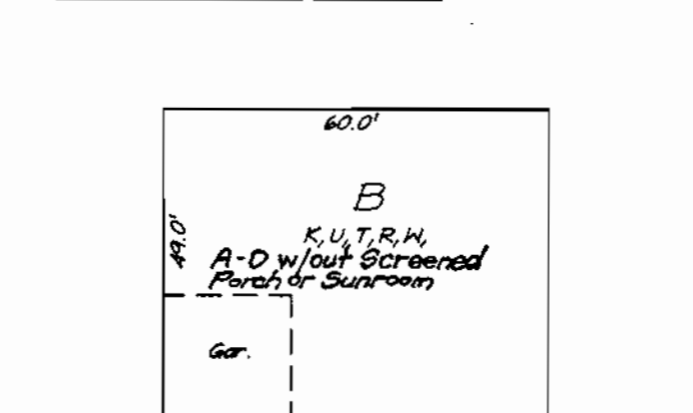
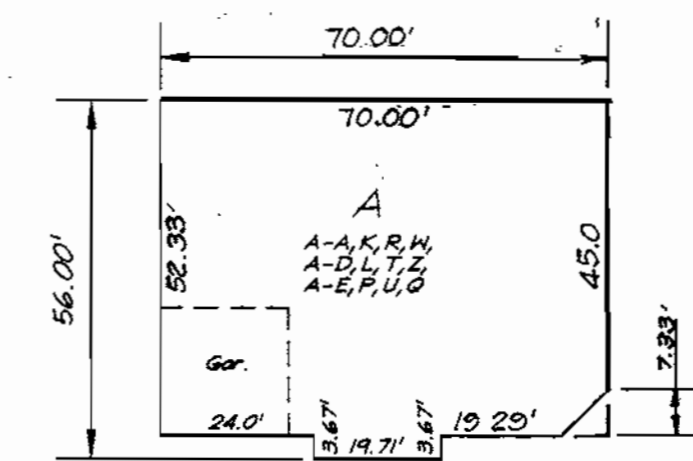
T
 1909.77 SF = 6345.90 SF
 0.3 Min. Lot Size w/all options
 2069.77 SF = 6999.23 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



Z
 Elev. #1
 2467.00 SF = 8223.33 SF
 0.3 Min. Lot Size w/all options
 2627.00 SF = 8756.67 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



K
 2180.67 SF = 7268.90 SF
 0.3 Min. Lot Size w/all options
 2340.67 SF = 7802.23 SF
 0.3 Min. Lot Size w/all options w/Opt. 10'x16' Deck



PLANT SCHEDULE				
KEY	PLANT NAME	SIZE	QUAN.	REMARK
(A)	ACER RUBRUM OCTOBER GLORY	2 1/2"-3" CAL.	4	
(B)	OCTOBER GLORY MAPLE	6'-8' HT.	4	
(C)	PRINUS STROBUS WHITE PINE	6'-8' HT.	5	

- NOTES:**
- All plant materials shall be full and heavy, be well formed and symmetrical, conform to the most current AAN specifications and be installed in accordance with L.C.A.M.H. landscape specifications.
 - Contractor shall verify location of all underground utilities prior to digging.
 - Final location of plant material may need to vary to meet final field conditions. Trees shall not be planted in the bottom of drainage swales.

SCHEDULE A PERIMETER LANDSCAPE EDGE		
Category	Adjacent to Roadways "B"	
Landscape Type	Lot 40	Lot B
Frontage/Perimeter	98'	104'
Number of Plants Required		
Shade Trees	2 (1/50)	2
Evergreen Trees	2 (1/40)	3
Shrubs		
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	NO	NO
Number of Plants Provided		
Shade Trees	2	3
Evergreen trees		
Other Trees (21 substitution)		
Shrubs (101 substitution)		
(Describe plant substitution credits below if needed)		
Surety	\$900.00	\$1050.00

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
8	5800 Silent Sun Place
9	5804 Silent Sun Place
10	5808 Silent Sun Place
40	5808 Summer Sky Path
47	1228 Linden Lithium Lane

SHEET INDEX		
DESCRIPTION	SHT. NO.	
COVER SHEET	1 of 3	
SITE DEVELOPMENT PLAN	2 of 3	
SEDIMENT & EROSION CONTROL PLAN	3 of 3	

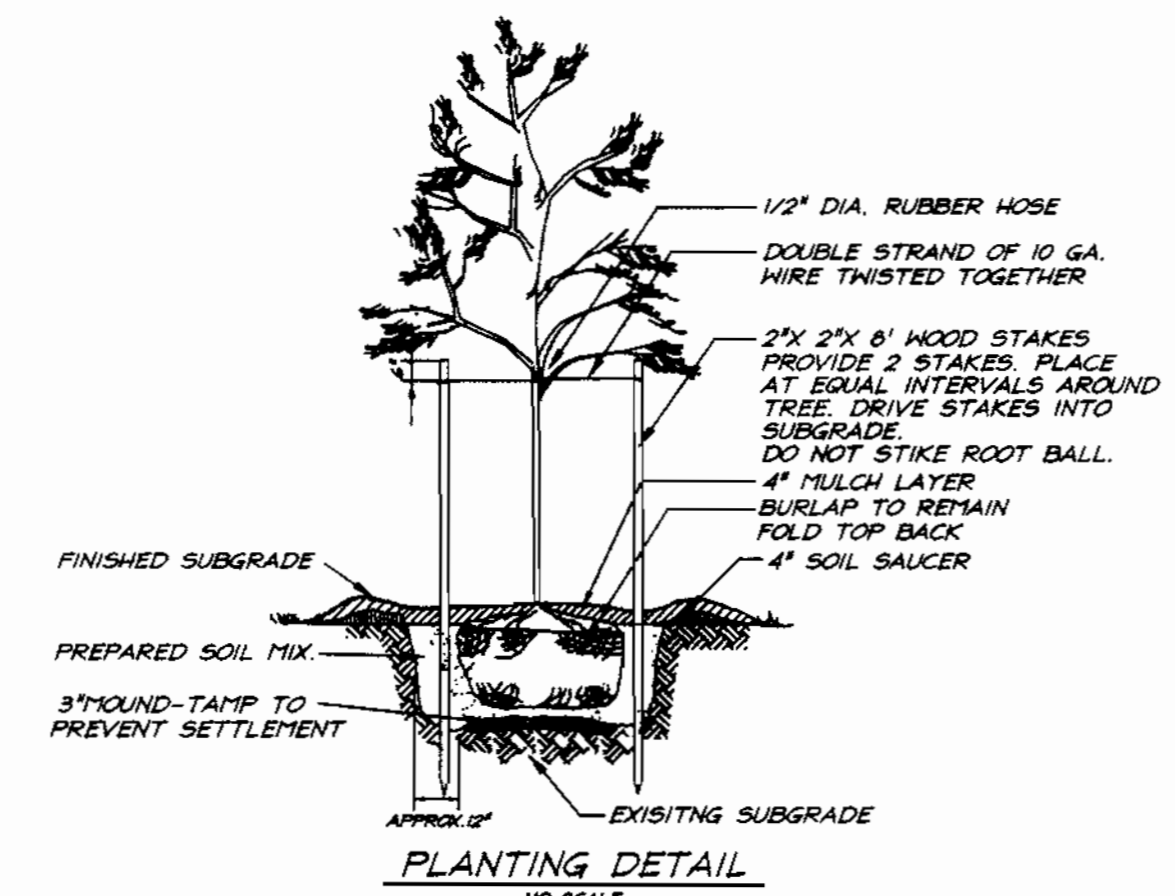
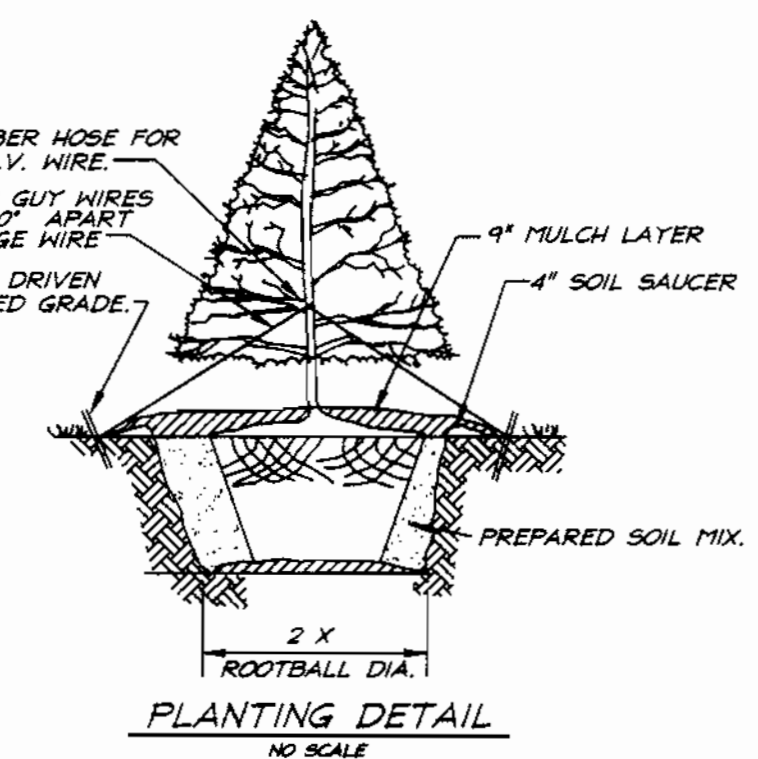
DEVELOPER'S/BUILDERS CERTIFICATE
 I/We certify that the landscaping shown on this plan will be done according to plan, section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a Certificate of Landscape Installation, accompanied by an executed one year guarantee of plant materials, will be submitted to the Department of Planning and Zoning.
 Name: ROBERT C. GOODIER, PRES. Date: 7-19-99

REVISIONS

NO.	DESCRIPTION	DATE
1	Add A-D base to Generic Bar B	12-3-99
2	ADD I HSE TO PLAN	11-5-99

APPROVED: DEPARTMENT OF PLANNING & ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development

DATE: 8/27/99
8/21/99
7/3/99



- GENERAL NOTES:**
- Subject property is zoned: NTSFLD per 10-18-93 Comprehensive Zoning Plan.
 - The total area included in this submission is: 1.59 Acres.
 - The total number of lots included in this submission is: 5
 - Improvement to property: Single Family Detached
 - The maximum lot coverage permitted is: 30%
 - Department of Planning and Zoning reference file numbers: 5-93-21, P-95-12, F-96-102, WP-95-70
 - Utilities shown as existing are taken from approved Water and Sewer plans Contract #34-3586-D, approved Road Construction plans F-96-102, and actual field survey.
 - Any damage to county owned rights-of-way shall be corrected at the developer's expense.
 - All roadways are public and existing.
 - The existing topography was taken from Road Construction Plans prepared by Morris & Ritchie Associates in January 1996.
 - The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monuments Numbers: 29G4 & 29G5
 - The contractor shall notify the Department of Public Works/Division of Construction Inspection at (410) 313-1880 at least twenty-four (24) hours 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.
 - For driveway entrance details, refer to Ho. Co. Design Manual Volume IV details R.6.03 & R.6.05.
 - In accordance with FDP-Phase 222-A Part VI bay windows or chimneys not more than 10 feet in width may project not more than 4 feet into any setbacks; porches and decks may project not more than 3 feet into the front or rear setbacks.
 - Quantity Storm water Management for Section 4, Area 6 is provided by one facility below lot 12 on Silent Sun Place. Quality Management for this section will be provided by one extended Detention facility adjacent to the SWM pond. The subdivision is located in the Patuxent River area sub-basin and is a Class I Watershed.
 - SHC Elevations shown are at the Property lines.
 - This plan has been prepared in accordance with provision of Section 16-124 of the Howard County Code and the Landscape Manual. Financial Surety for the required 9 trees is the amount of \$1950.00 is part of the builders Grading Permit Application. See Schedule A, this sheet.

OWNER / DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044

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-96-102 and/or approved Water and Sewer Plans Contract #34-3586-D.

SUBDIVISION NAME		SECTION/AREA	LOTS/PARCELS
VILLAGE OF RIVER HILL		4/6	8, 9, 10, 40, 47
PLAT NO. 13506	BLOCK NO. 1	ZONE NTSFLD	TAX MAP NO. 35
13507		ELECTION DIST. 5th	CENSUS TRACT 6055
WATER CODE 110		SEWER CODE 6653000	

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

DESIGNED	SITE DEVELOPMENT	SCALE
J.M.E.	LOTS 8, 9, 10, 40, 47	1" = 30'
DRAWN	COLUMBIA VILLAGE OF RIVER HILL	DRAWING
K.B.	SECTION 4 AREA 6	1 of 3
CHECKED	HOWARD COUNTY, MARYLAND	JOB NO.
J.M.E.	FIFTH (5th) ELECTION DISTRICT	99-095
DATE	FOR: GOODIER BUILDERS	FILE NO.
	10706 CHARTER DRIVE	99-095-X
	Columbia, Maryland 21044	

