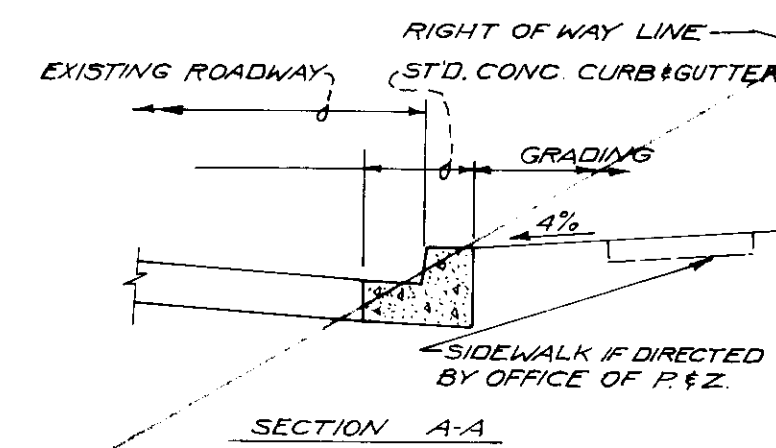
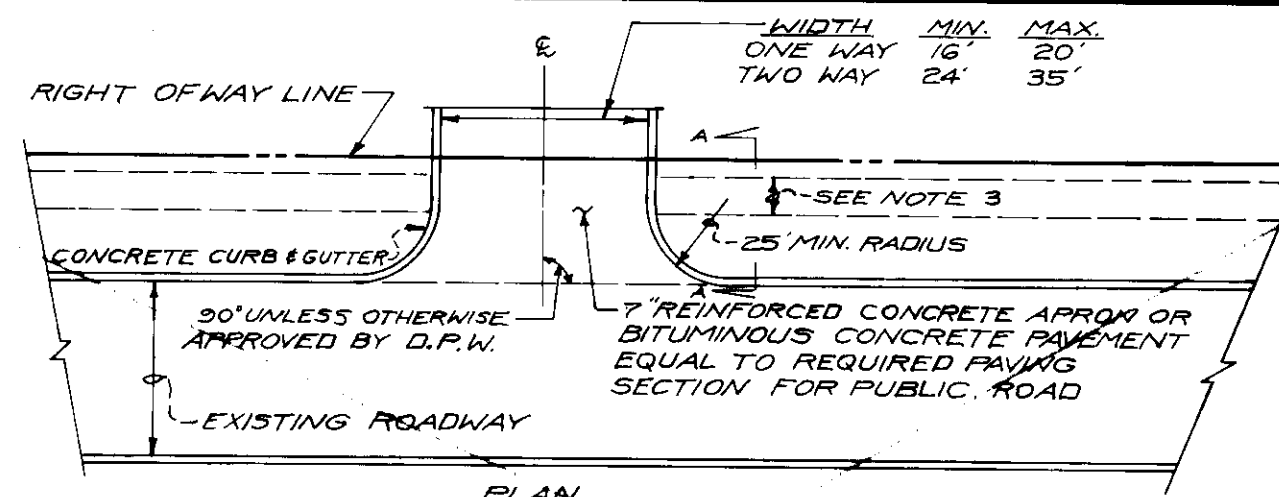


MD. STATE PLANE DATUM

General Notes:

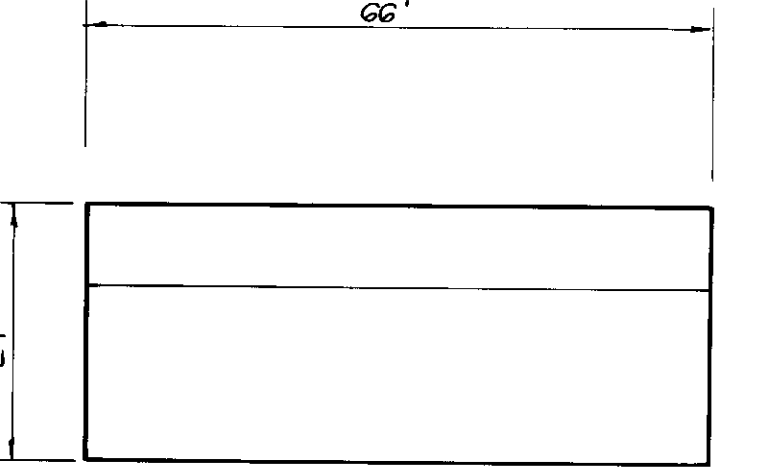
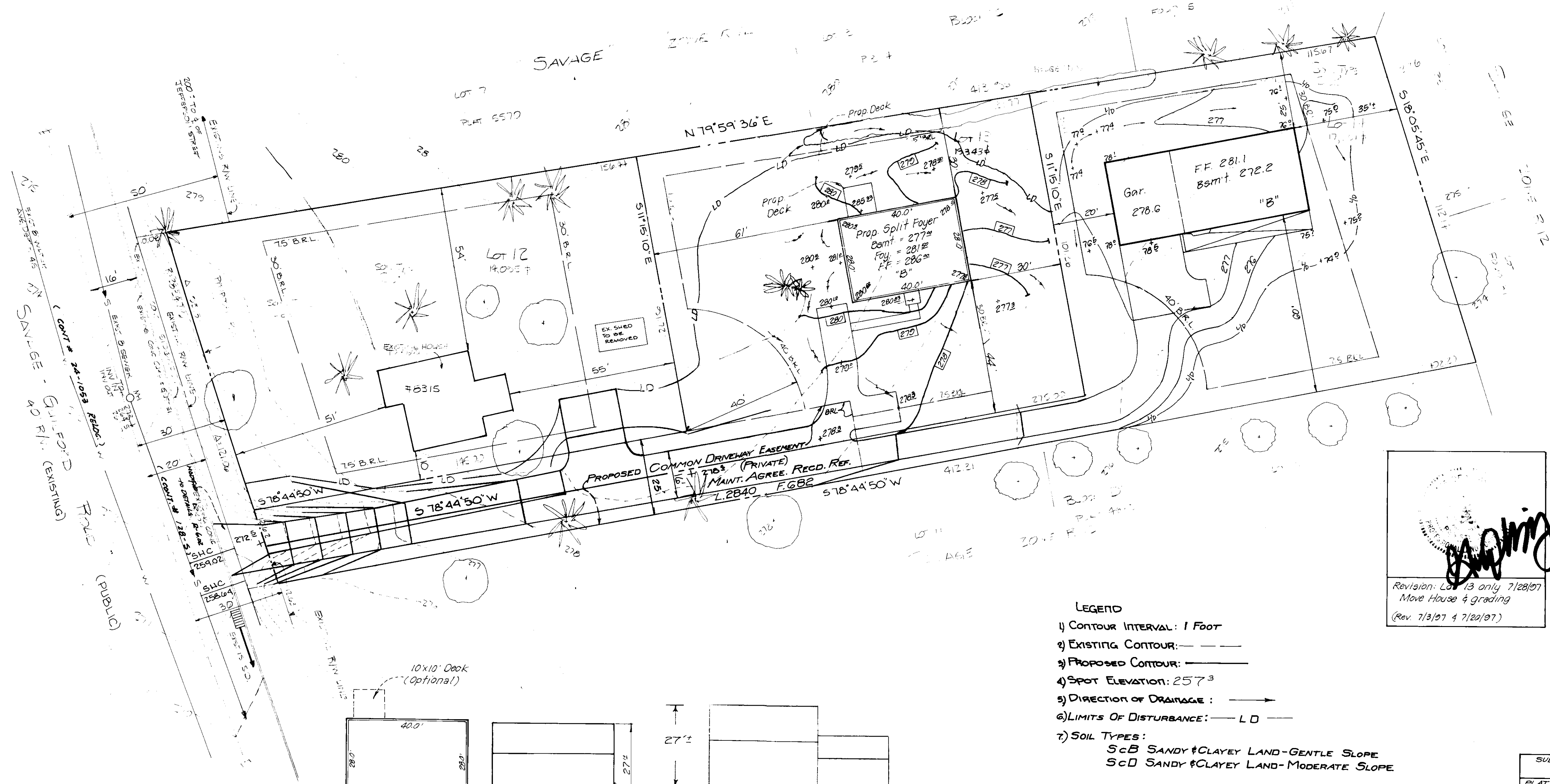
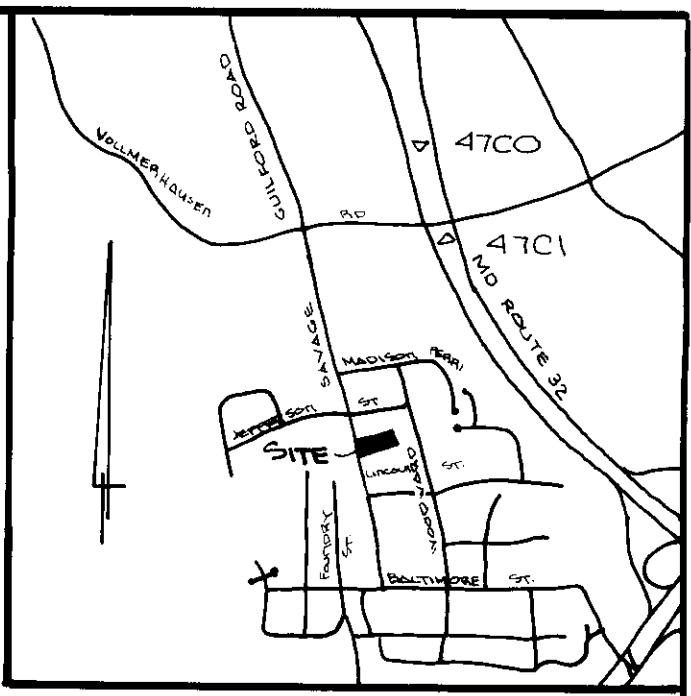
- 1) SUBJECT PROPERTY ZONED R-12 AS PER COMPREHENSIVE ZONING PLAN DATED 8/2/85
- 2) ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- 3) ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM (SEE NOTE NO. 13)
- 4) ROAD IS PUBLIC AND EXISTING
- 5) TOTAL NUMBER OF LOTS: 3
- 6) TOTAL AREA OF LOTS: 14,095 AC
- 7) TOPO WAS FIELD RUN BY R.C. KELLY AND ASSOC., INC.
- 8) HOWARD COUNTY FILE NUMBERS: F-93-54 W-93-50
- 9) MAXIMUM LOT COVERAGE IS 30%
- 10) STORMWATER MANAGEMENT WAIVED
- 11) SEWER CONTRACT NO. 12B-S
- 12) WATER CONTRACT NO. 3-W
- 13) BENCHMARKS PER HOWARD COUNTY D.P.W. NO. 2042002 - ELEV. 277.477 NO. 2042003 - ELEV. 291.824

Approved Dec. 18, 1992.

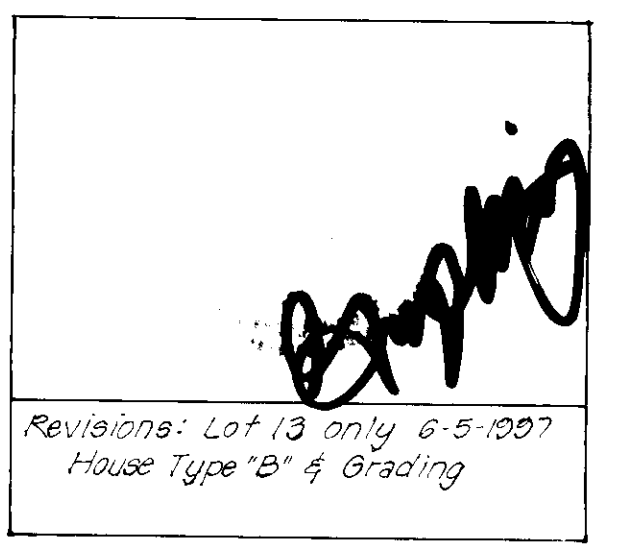
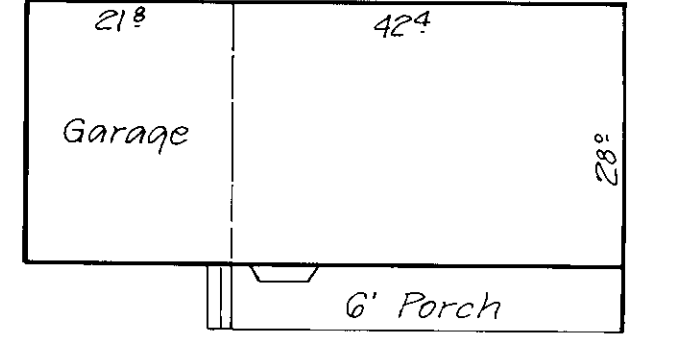


- NOTES
1. ENTRANCE TO BE USED ONLY IF AUXILIARY LANES ARE NOT REQUIRED IN ACCORDANCE WITH SECTION 2.5.2.4.1 AND SECTION 2.6.7.
 2. WHEN PROPOSED ENTRANCE IS CONSTRUCTED ON AN EXISTING STREET WITH CONCRETE CURB OR CURB AND GUTTER, THE CURB OR CURB AND GUTTER SHALL BE REMOVED TO THE FIRST EXISTING JOINT ON EITHER SIDE OF THE PROPOSED ENTRANCE AND REPLACED BY NEW CONSTRUCTION.
 3. CONSTRUCT SIDEWALK AND OR DEPRESSED CURB FOR SIDEWALK RAMP AS DIRECTED BY OFFICE OF P&Z.

COMMERCIAL INDUSTRIAL APARTMENT ENTRANCE ON CLOSED SECTION ROADWAY (TRAFFIC VOLUME LESS THAN 100 V.P.H.)

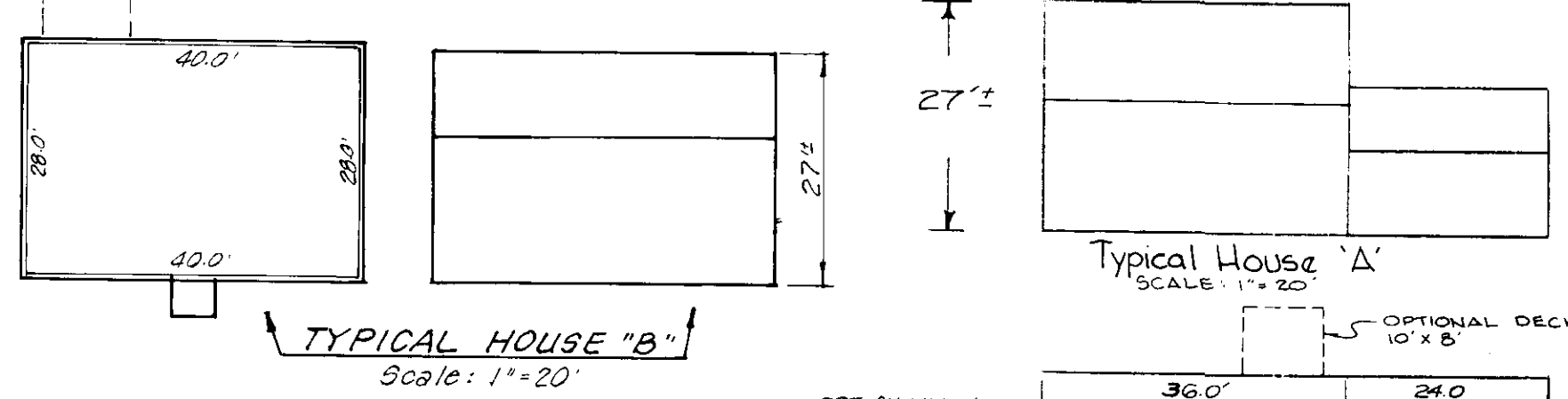


TYPICAL HOUSE "B" Scale: 1"=20'



NEW SINGLE FAMILY DETACHED DWELLINGS

- LEGEND
- 1) CONTOUR INTERVAL: 1 FOOT
 - 2) EXISTING CONTOUR: ---
 - 3) PROPOSED CONTOUR: - - -
 - 4) SPOT ELEVATION: 257.3
 - 5) DIRECTION OF DRAINAGE: →
 - 6) LIMITS OF DISTURBANCE: - L D -
 - 7) SOIL TYPES:
 - S c B SANDY CLAYEY LAND-GENTLE SLOPE
 - S c D SANDY CLAYEY LAND-MODERATE SLOPE



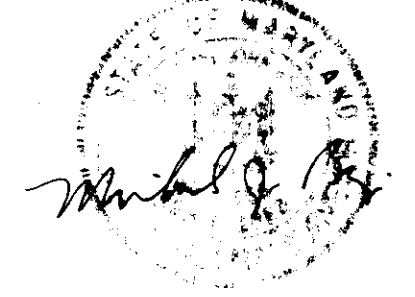
TYPICAL HOUSE "A" Scale: 1"=20'

LOT NO.	TOTAL AREA	PIPESTEN AREA	25% OR GREATER SLOPE	BUILDABLE AREA
12	14,095 #	0	0	14,095 #
13	15,343 #	1,802 #	0	13,541 #
14	17,191 #	3,426 #	0	13,765 #

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 2-9-93
 COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING
 [Signature] 5/12/93
 DIRECTOR

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC STREETS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 8/2/93
 DIRECTOR



Revisions: LOT 14:
 New House Type; Grading 4-11-94

PREPARED BY
 R.C. KELLY & ASSOCIATES, INC. SHEET 1 OF 3
 10111 COLESVILLE ROAD
 SUITE 123
 SILVER SPRING, MD. 20901
 (301) 593-8005

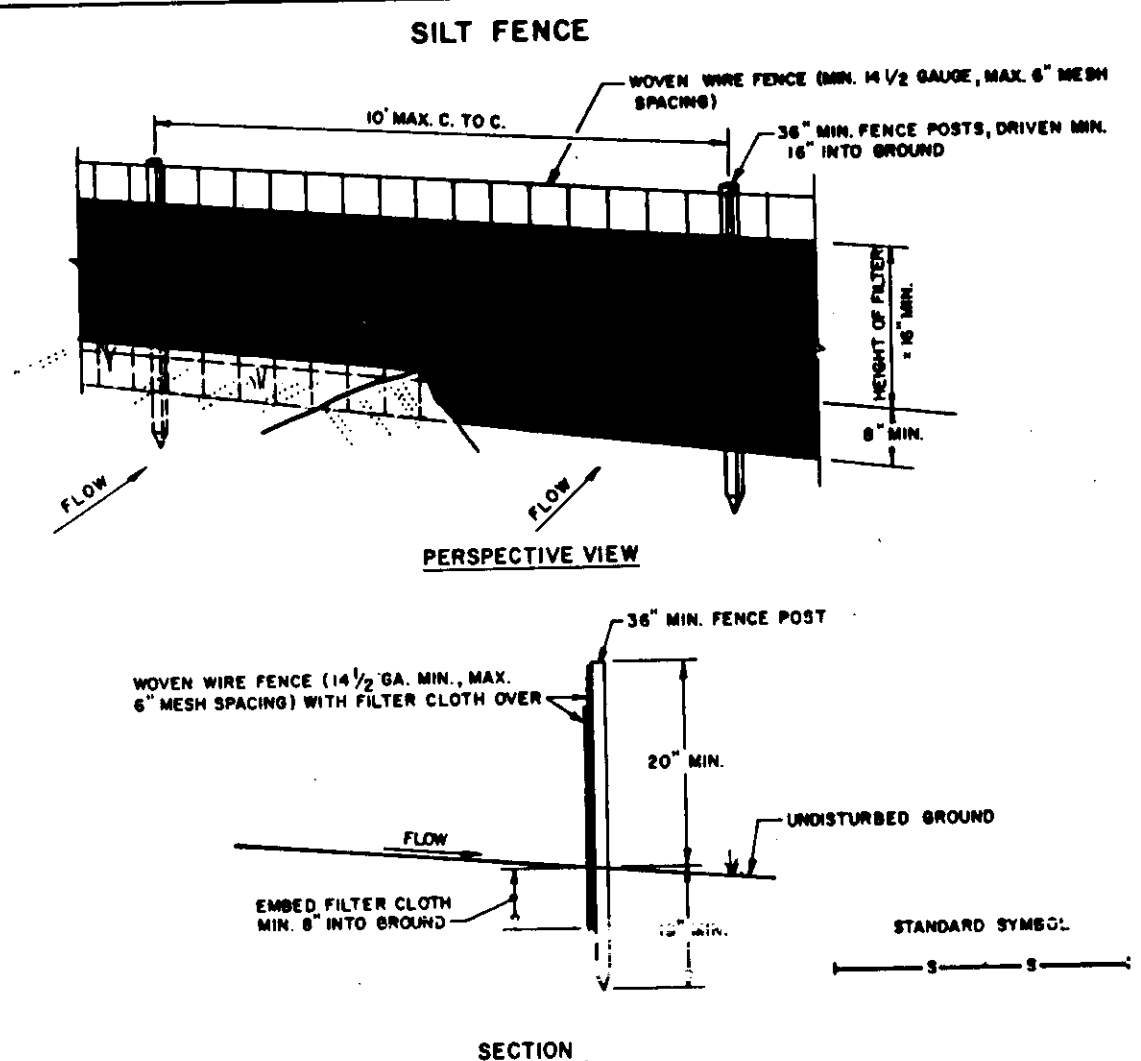
ADDRESS CHART

LOT	STREET	ADDRESS
12	8313	SAVAGE GUILFORD ROAD
13	8315	" "
14	8317	" "

SUBDIVISION	NAME	SECT./AREA	LOTS
SAVAGE	N/A	12,13,14	
PLAT NO.	BLOCK NO.	ZONE	TAX MAP NO.
10813	D	R-12	47
			6 TH
WATER CODE	SEWER CODE	ELEC. DIST. CENSUS TR.	
C 01	5090100		

SITE DEVELOPMENT PLAN
 LOTS 12,13,14 BLOCK "D"
 SAVAGE
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MD.

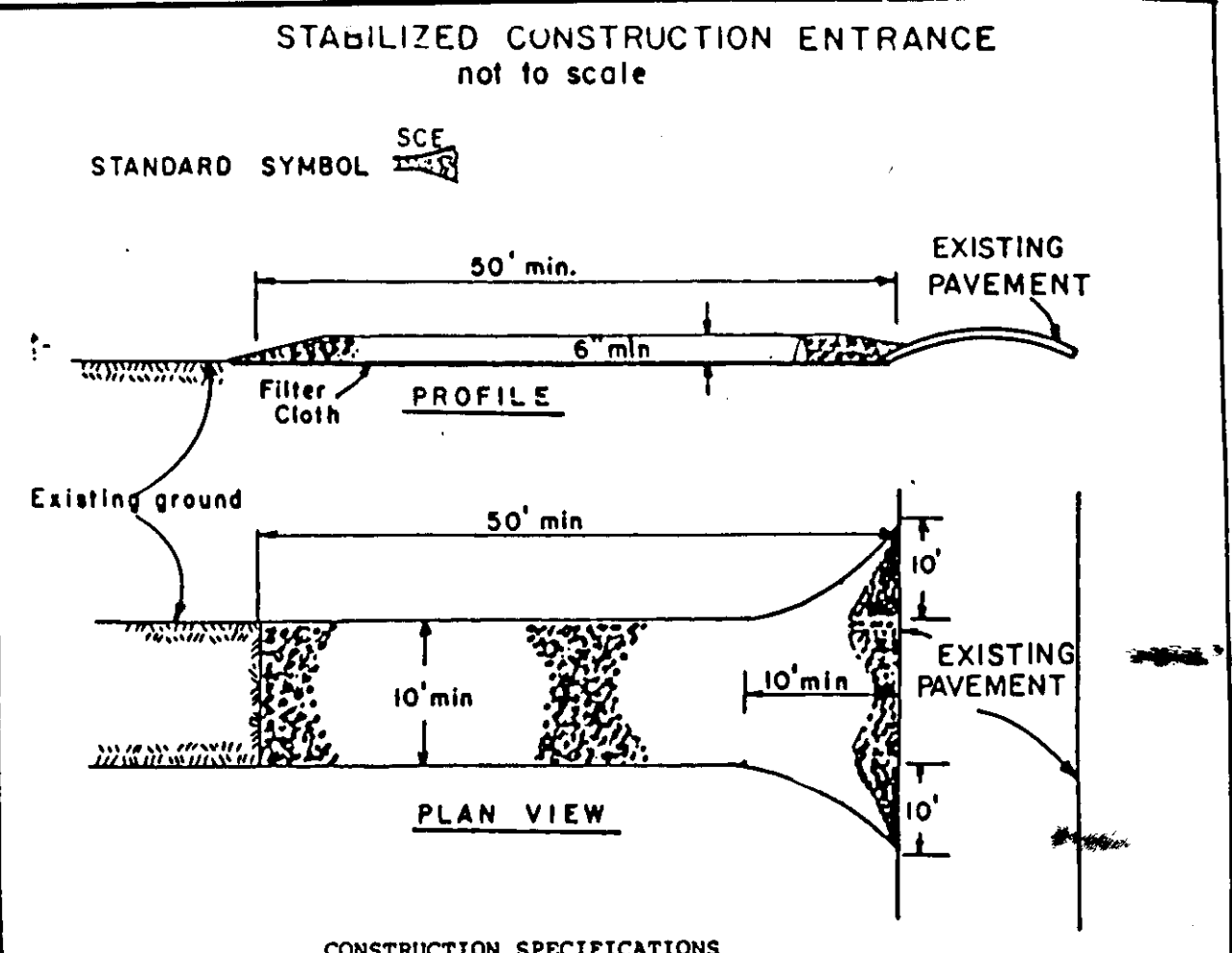
REV. FEBRUARY, 1993
 DATE: NOVEMBER, 1992 SCALE: 1"=20'
 DESIGN: C.B. DRAFT: R.C.K. CHECK: M.B. JOB NO. 92.2931



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BUBBLES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 14 1/2" DIA. MAX. 6" MESH OPENING
 FILTER CLOTH: FILTER X, MURATI 1000, STABILINA 1000, OR APPROVED EQUAL.
 PREFABRICATED UNIT: GEOTAB, ENVIRONMENTAL, OR APPROVED EQUAL.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	SILT FENCE	STANDARD DRAWING SF-1
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CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STABILIZED CONSTRUCTION ENTRANCE	Standard Drawing SCE-1
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**HOWARD SOIL CONSERVATION DISTRICT
PERMANENT SEEDING NOTES**

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded 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. Harrow or disk 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. Harrow or disk 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 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 lbs to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool 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 seeding 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.

Seeded 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 October 15, seed with 2 1/2 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 weed free 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 ft. 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 additional rates and methods not covered.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 8-9-93
 DATE: 8-9-93

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 [Signature] 8/12/93
 DATE: 8/12/93

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 8/2/93
 DATE: 8/2/93

SEQUENCE OF CONSTRUCTION

1) OBTAIN GRADING PERMIT	1 DAY
2) STAKE PROPERTY LINE	1 DAY
3) INSTALL SILT FENCE	1 DAY
4) INSTALL CONSTRUCTION ENTRANCE	1 DAY
5) GRADE DRIVEWAY AND INSTALL GRAVEL BASE	2 DAYS
6) EXCAVATE BASEMENTS	1 DAY
7) GRADE SITE	90 DAYS
8) CONSTRUCT HOUSES	1 DAY
9) FINE GRADE	1 DAY
10) SEED OR SOD DISTURBED AREAS	1 DAY
11) PAVE DRIVEWAY	1 DAY
12) REMOVE SILT FENCE AFTER FINAL INSPECTION AND APPROVAL	1 DAY

**HOWARD SOIL CONSERVATION DISTRICT
STANDARD SEDIMENT CONTROL NOTES**

- 1) A minimum of 48 hours notice must be given to the Howard County Dept. of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (410-880-3450).
- 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 most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.
- 3) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be 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 seeding (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 operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- 7) Site Analysis:

Total Area of Site	10705 Acres
Area Disturbed	0.218 Acres
Area to be roofed or paved	0.218 Acres
Area to be vegetatively stabilized	0.461 Acres
Total Cut	600 Cu. Yds.
Total Fill	600 Cu. Yds.
Offsite waste/borrow area location	
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 10) 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.
- 11) Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

OWNERS CERTIFICATE

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 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.

ENGINEERS CERTIFICATE

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.

[Signature] 2/4/93
 MD. PROF. L.S. 5089
 CASIMIR M. BAZIS

NEW SINGLE FAMILY
 DETACHED DWELLINGS

**SEDIMENT CONTROL
NOTES AND DETAILS**

LOTS 12, 13, & 14 Block D
 SAVAGE
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MD.

SHEET 2 OF 3

Reviewed for Howard S.C.D. and meets Technical Requirements

[Signature] 7/28/93
 U.S. Soil Conservation Service

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

[Signature] 7/28/93
 HOWARD S.C.D.

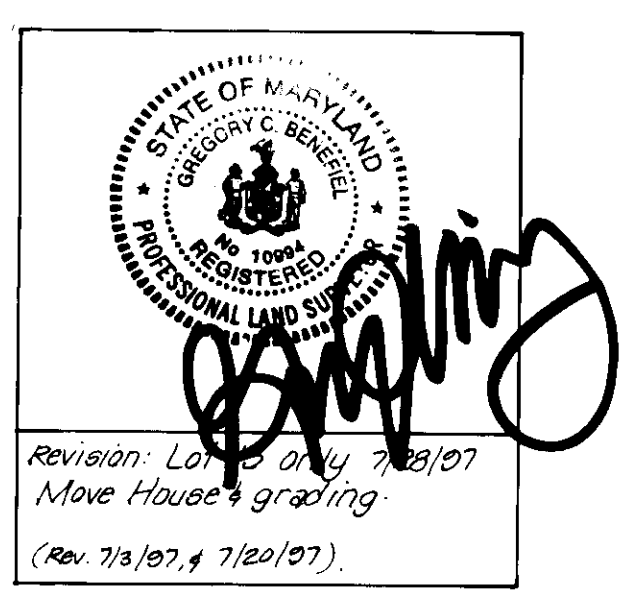
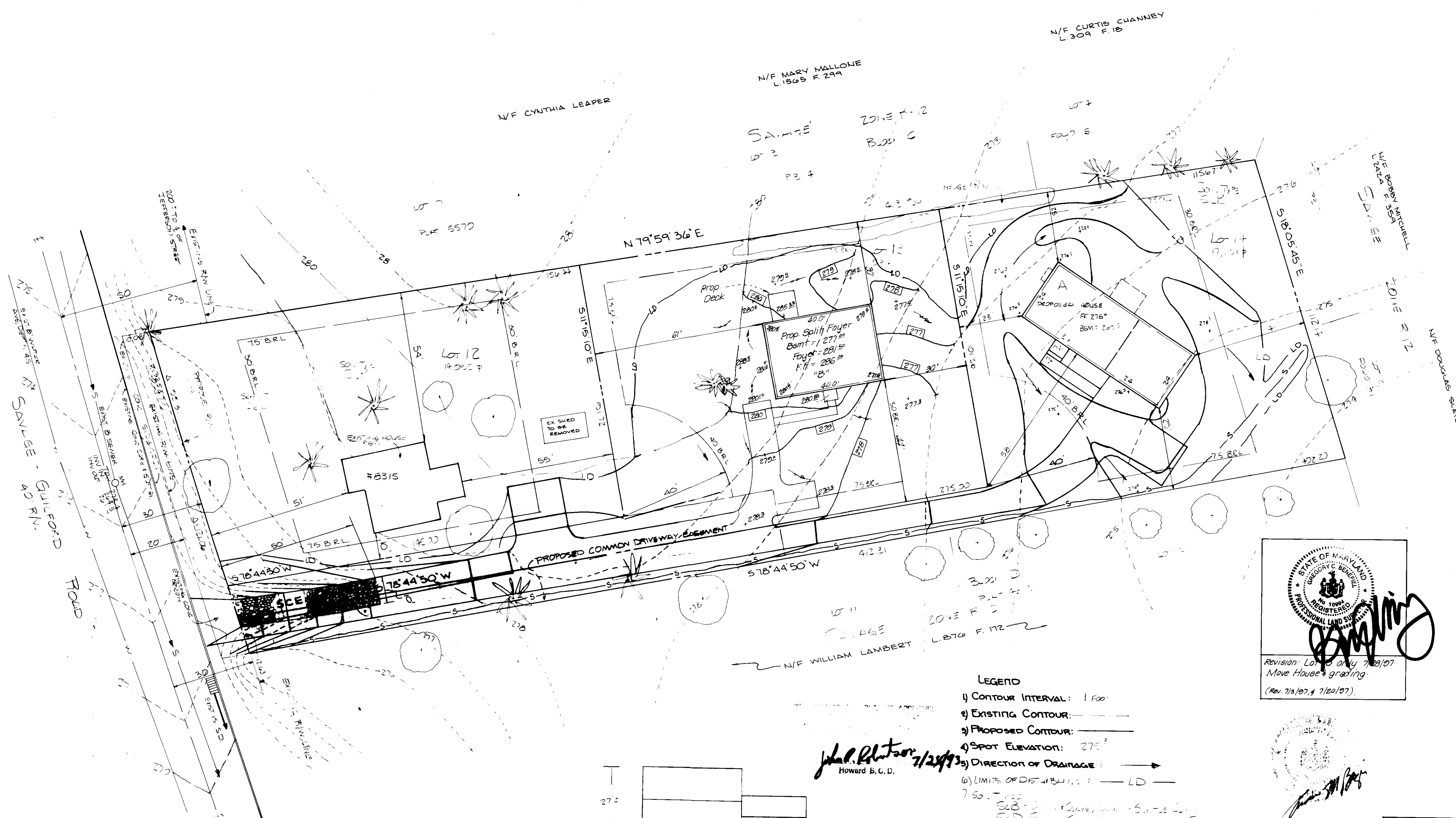
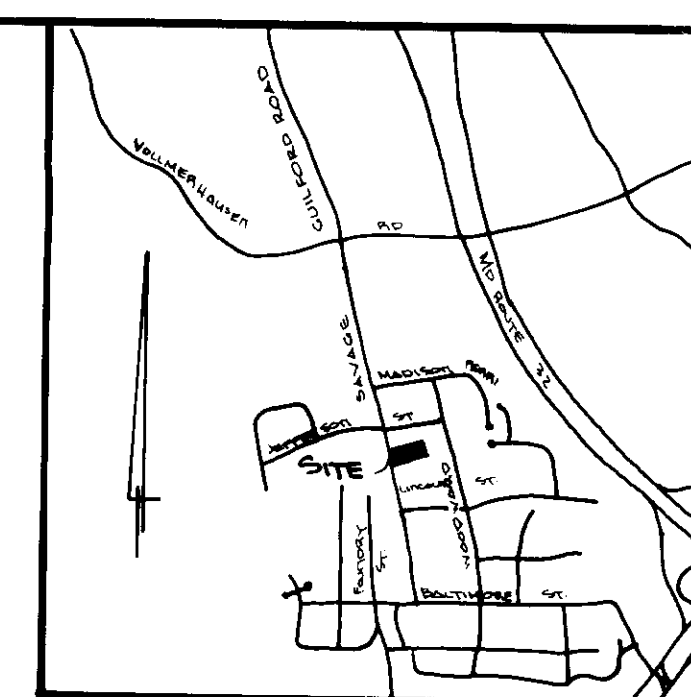
PREPARED BY
 R.C. KELLY & ASSOCIATES, INC.
 10111 COLESVILLE ROAD SUITE 123
 SILVER SPRING, MD. 20901
 (301) 593-0005

DESIGN: C.B. DRAFT: J.D. CHECK: R.C.K. JOB NO. 92-2931

SDR 93-46

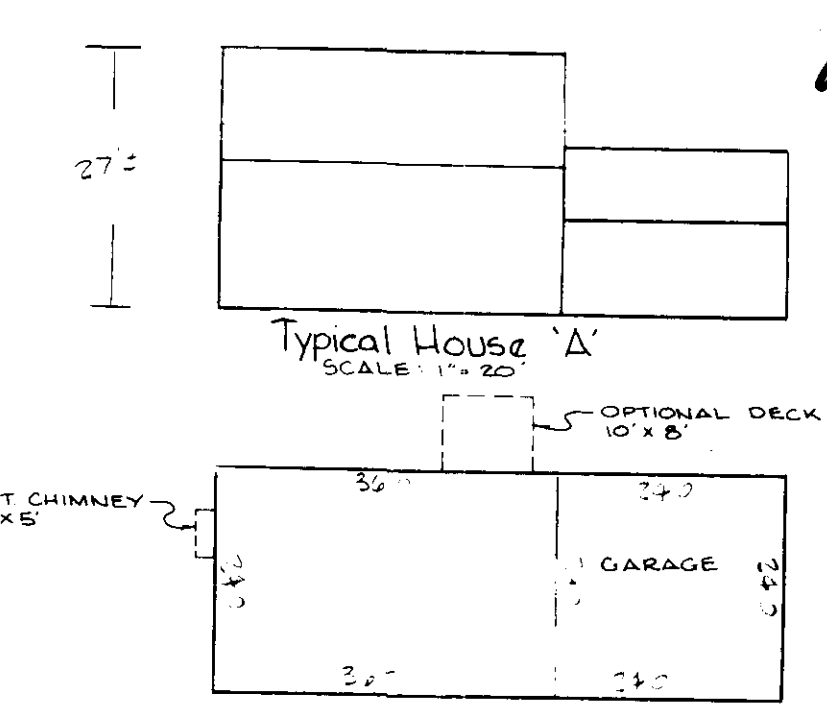
GENERAL NOTES:

- 1) SUBJECT PROPERTY ZONED R-12 AS PER COMPREHENSIVE ZONING PLAN DATED 8/2/85
- 2) ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- 3) ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S DATUM
- 4) ROAD IS PUBLIC AND EXISTING
- 5) TOTAL NUMBER OF LOTS: 3
- 6) TOTAL AREA OF LOTS: 1.0705 AC
- 7) TOPO WAS FIELD RUN BY R.C. KELLY AND ASSOC., INC.
- 8) HOWARD COUNTY FILE NUMBER: F-93-54 W-93-50
- 9) MAXIMUM LOT COVERAGE IS 50%
- 10) STORMWATER MANAGEMENT WAIVED AS PER [REDACTED] APPROVED DEC. 18, 1992.



LEGEND

- 1) Contour Interval: 1' 00"
- 2) Existing Contour: _____
- 3) Proposed Contour: _____
- 4) Spot Elevation: 275.2'
- 5) Direction of Drainage: →
- 6) Limits of Detachments: LD



NEW SINGLE FAMILY DETACHED DWELLINGS

ADDRESS CHART	
LOT	STREET ADDRESS
12	8515 SAVAGE GUILFORD ROAD
13	8315 " " " "
14	8317 " " " "

SUBDIVISION NAME	SEC / CORN	LOTS
SAVAGE	N/A	12, 13, 14

PLAT NO	BLK	ZONE	TAX MAP NO	BLK 300' CORN
108/13	D	R-12	47	61'

WATER CODE	SEWER CODE
CO1	5090700

FOR SEDIMENT CONTROL PLAN & DETAILS ONLY

SITE DEVELOPMENT PLAN
 LOTS 12, 13, 14 BLOCK 'D'
 SAVAGE
 6th ELECTION DISTRICT
 HOWARD COUNTY, MD.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 8-9-93
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
[Signature] 8/12/93
[Signature] 8/12/93
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 8/2/93
[Signature] 8/2/93



LOT NO	TOTAL AREA	PIPES IN AREA	25% OR GREATER SLOPE	BUILDABLE AFT
12	14,095 #	0	0	14,095 #
13	15,343 #	1802 #	0	13,541 #
14	17,151 #	3,324 #	0	13,705 #

OWNER/DEVELOPER: ALPH A. J. CHARLES M. HUNT
 40 MR LANNY SPECHT
 12010 HALL SHOP ROAD CLARKSVILLE, MD 21030

PREPARED BY:
 R.C. KELLY & ASSOCIATES, INC.
 10111 COLLETSVILLE ROAD SUITE 122
 SILVER SPRING, MD 20901
 (301) 593-8005

SHEET 30 OF 3

DATE: NOVEMBER, 1993 SCALE: 1"=20'
 DESIGNER: RCK CHECK ME: JOE N. 9222931

SDP-93-46 HS