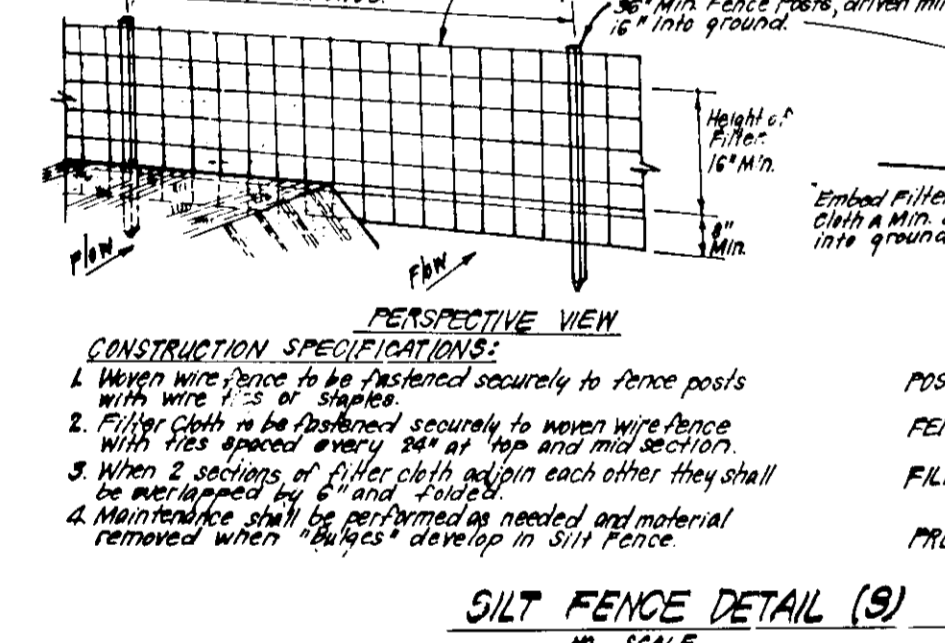


- 1) Minimum of 14 hours notice must be given to the Howard County Office of Inspection and Permitting prior to the start of any construction. (292-2433)
- 2) All excavation and structural provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within 7 calendar days for all permanent sediment control structures, dikes, protective slopes and all slopes greater than 3:1, 14 days as to all other disturbed or graded areas on the project site.
- 4) All sediment transportations shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 11, 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. 50) and mulching (Sec. 51). Temporary stabilization with mulch alone can only be done when recommended seeding rates 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	1.05 Acres
Area Disturbed	0.71 Acres
Area to be seeded or paved	0.27 Acres
Area to be vegetatively stabilized	0.44 Acres
Total Curb	928 Cu. Yds
Total Filt	120 Cu. Yds
Offsite waste/borrow area location	undetermined

- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment control must be provided, if deemed necessary by the Howard County DWM sediment control Inspector.
- 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 permanent 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) If houses are to be constructed on "As-Built" basis, at random, single lot sediment control as shown below shall be implemented.
- 12) All pipes to be blocked at the end of each day (see detail below) N/A
- 13) The total amount of straw bale dikes/silt fence equals 425 L.F.



CONSTRUCTION SEQUENCE:

Activity	No. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
B. Excavate for foundations and Rough Grade & temporarily stabilize.	30
C. Construct Structures, Sidewalks and Driveways.	120
D. Final Grade and stabilize in accordance with Sds. & Specs.	30
E. Upon approval of the sediment control inspector, remove sediment control devices and stabilize.	7

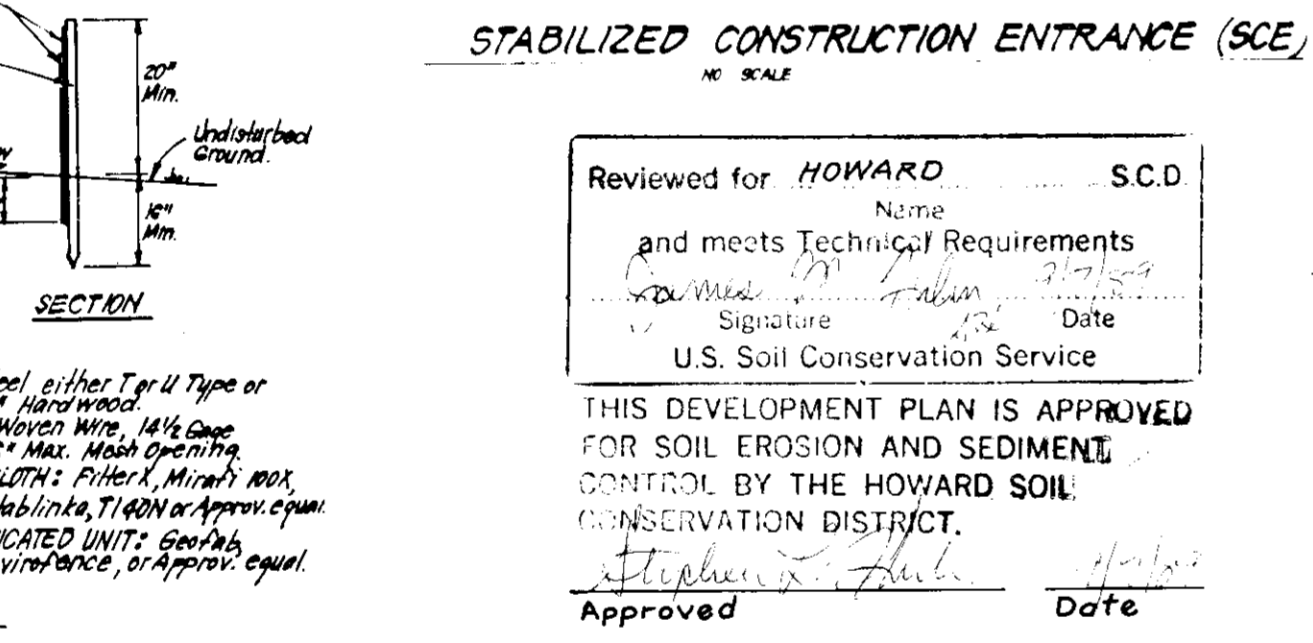
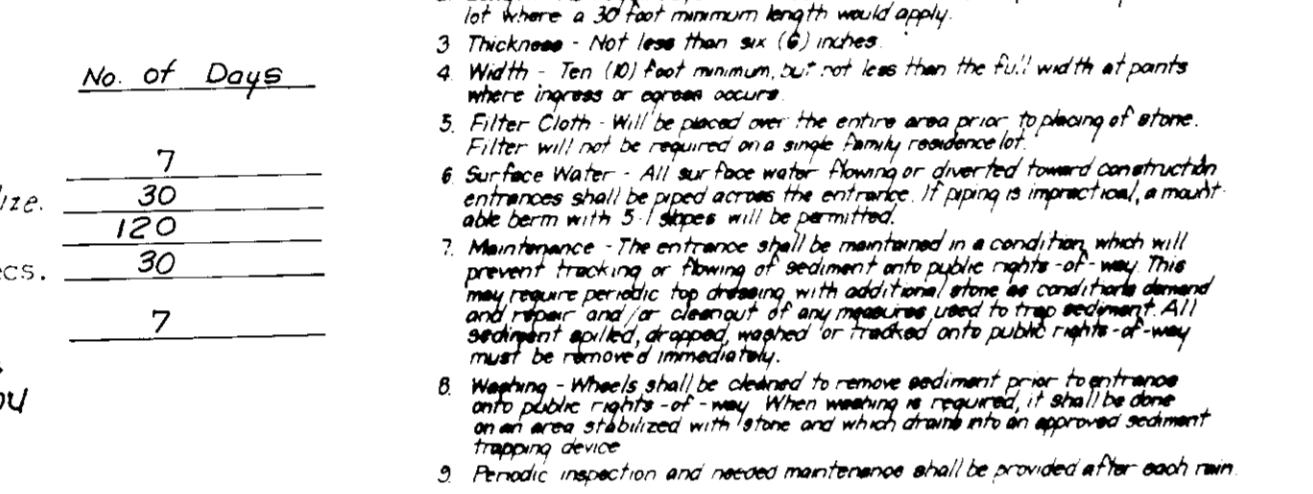
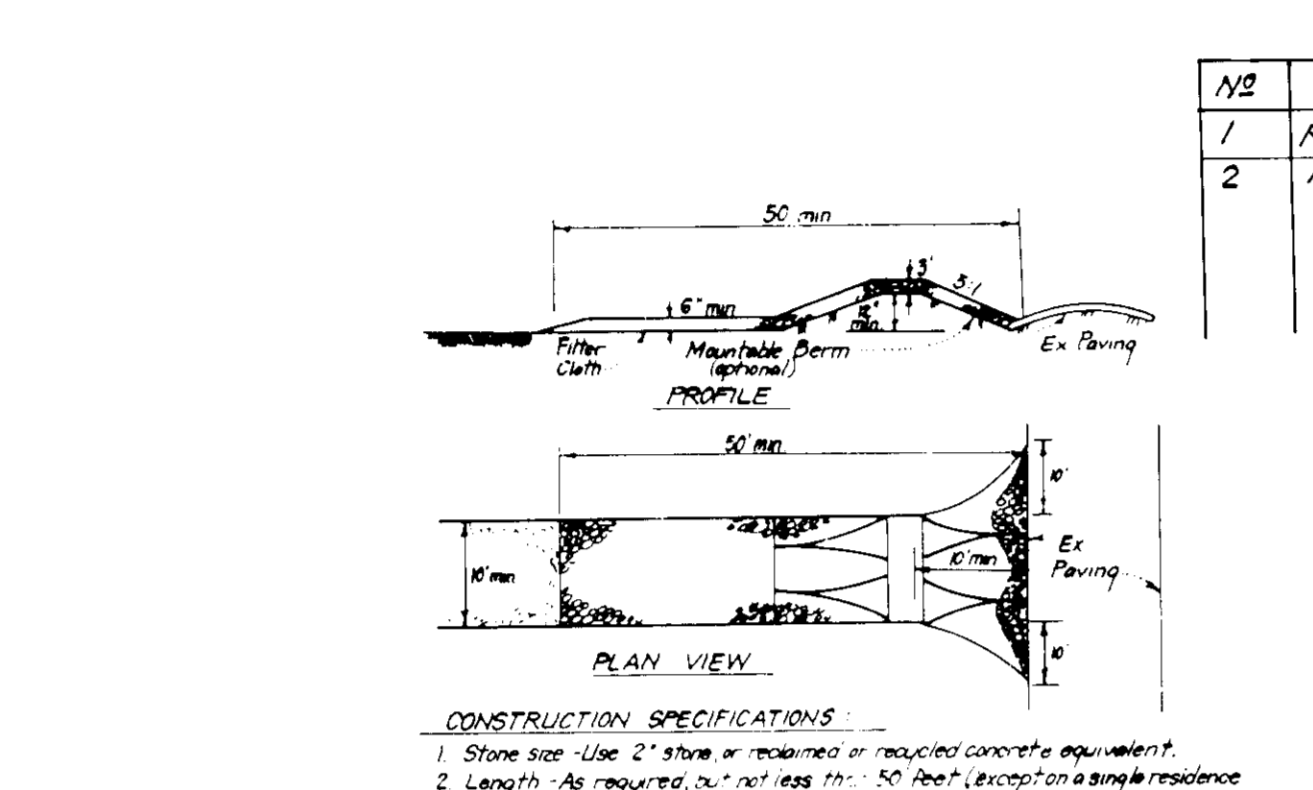
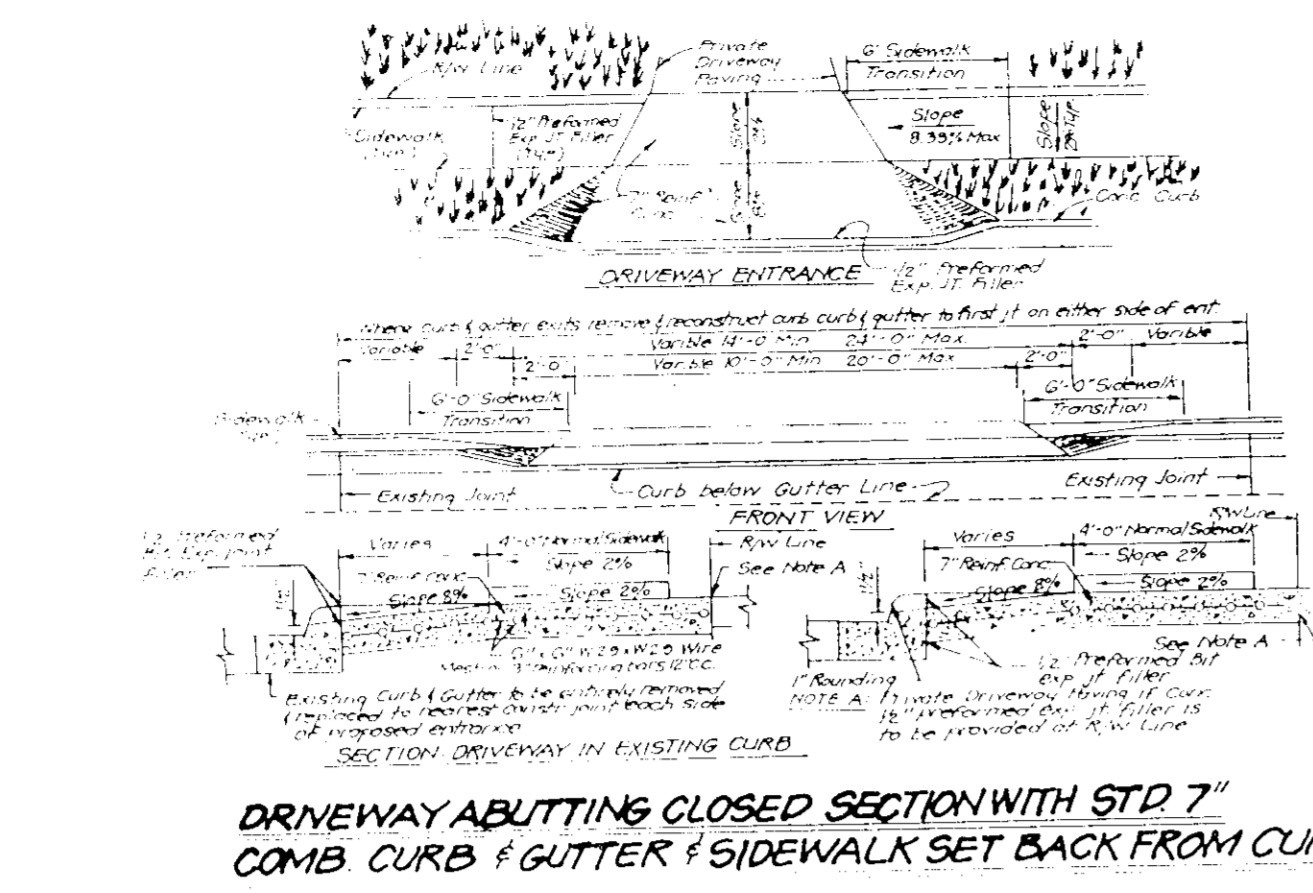
* Delay construction of house on Lot 42 until the existing trap has been removed as authorized by the Howard Co. Sediment Control Inspector.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS:
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 9/19/89

APPROVED FOR HOWARD COUNTY DEPT. OF PLANNING & ZONING:
DATE: 10/3/89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS:
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 9/15/89

CHIEF BUREAU OF ENGINEERING:
DATE: 9/15/89

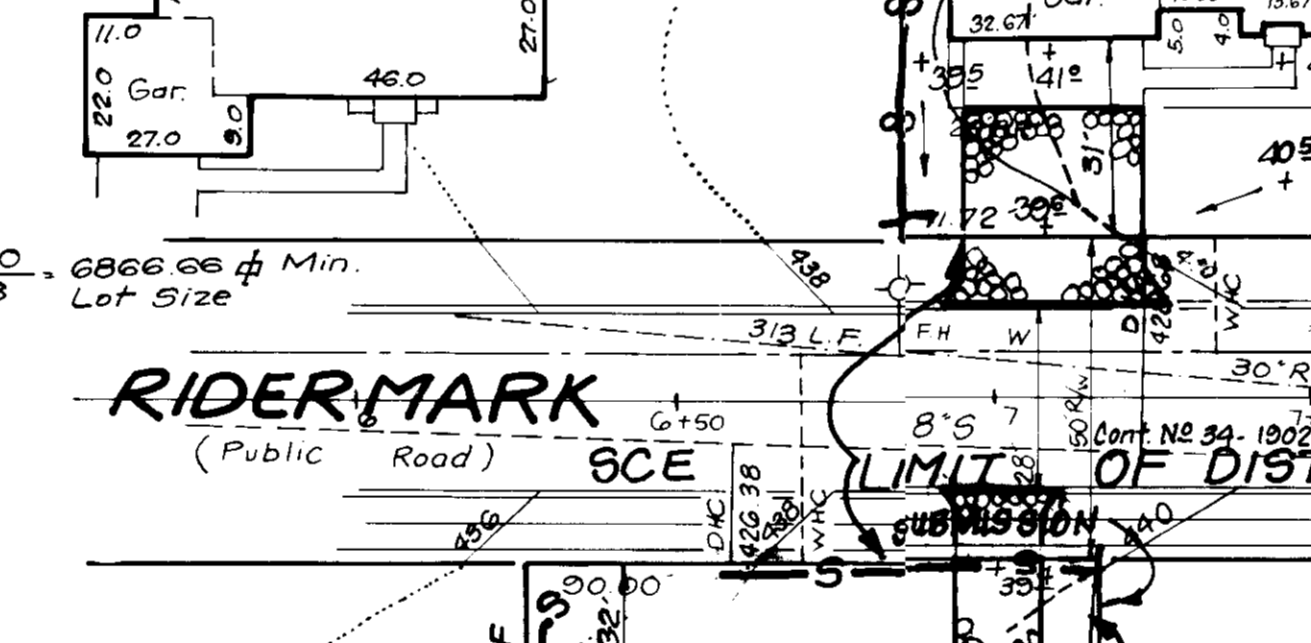
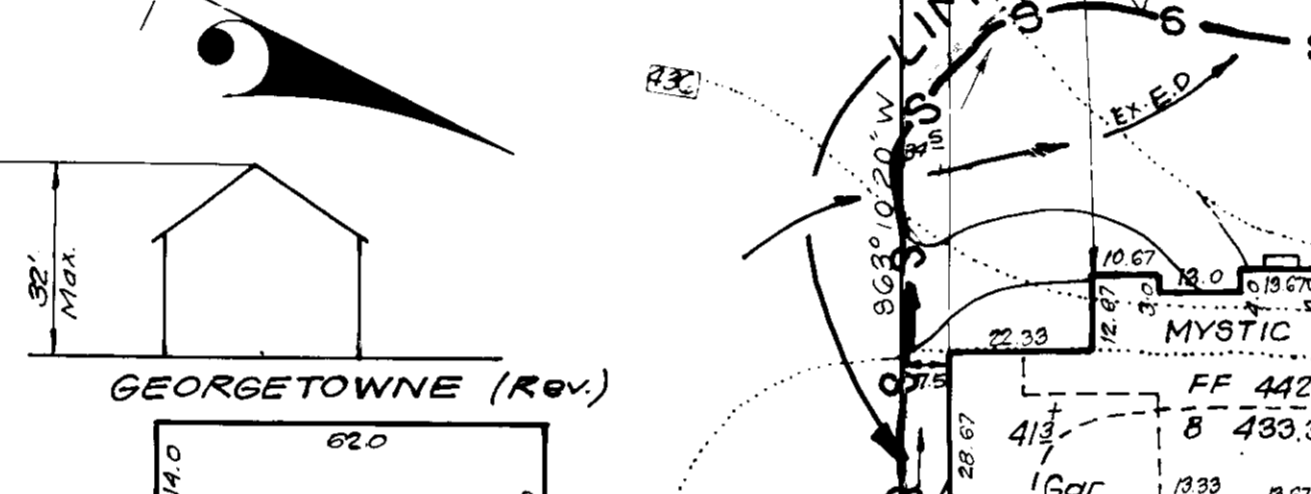
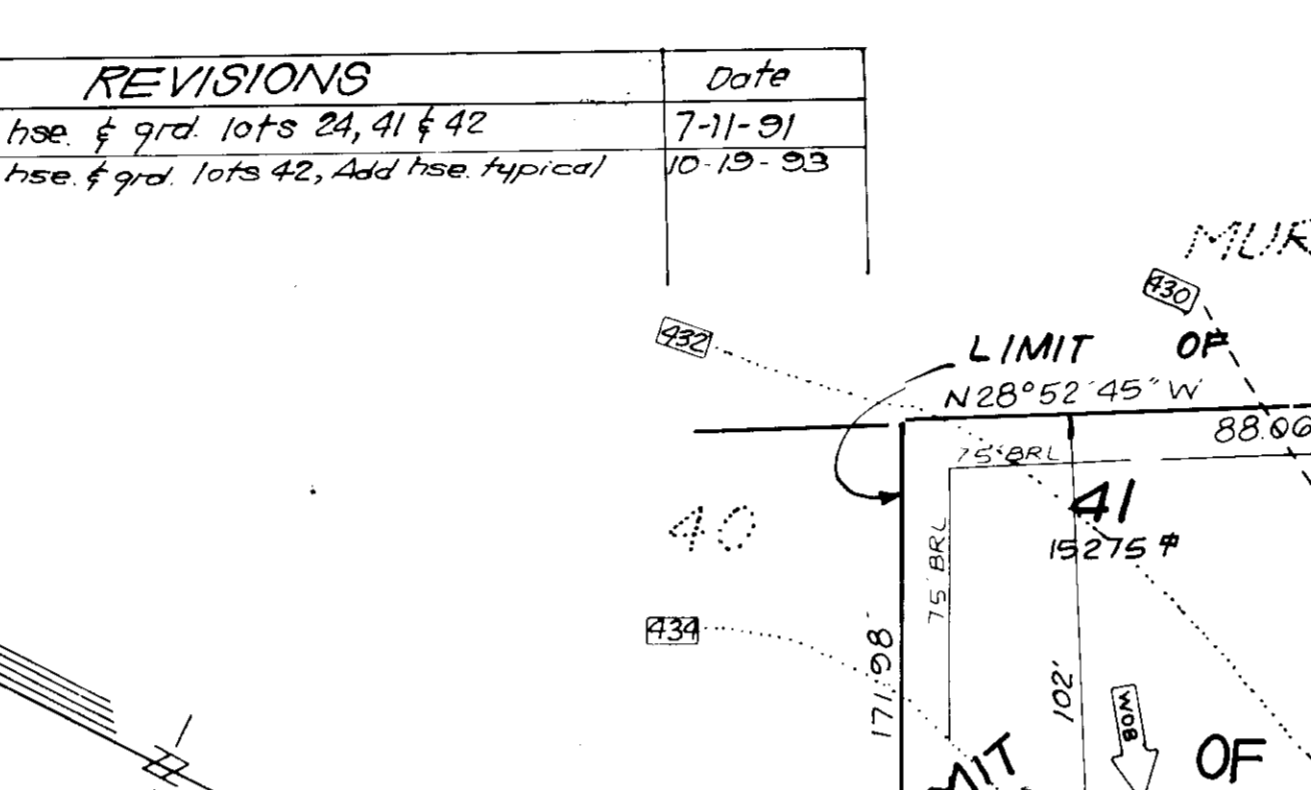
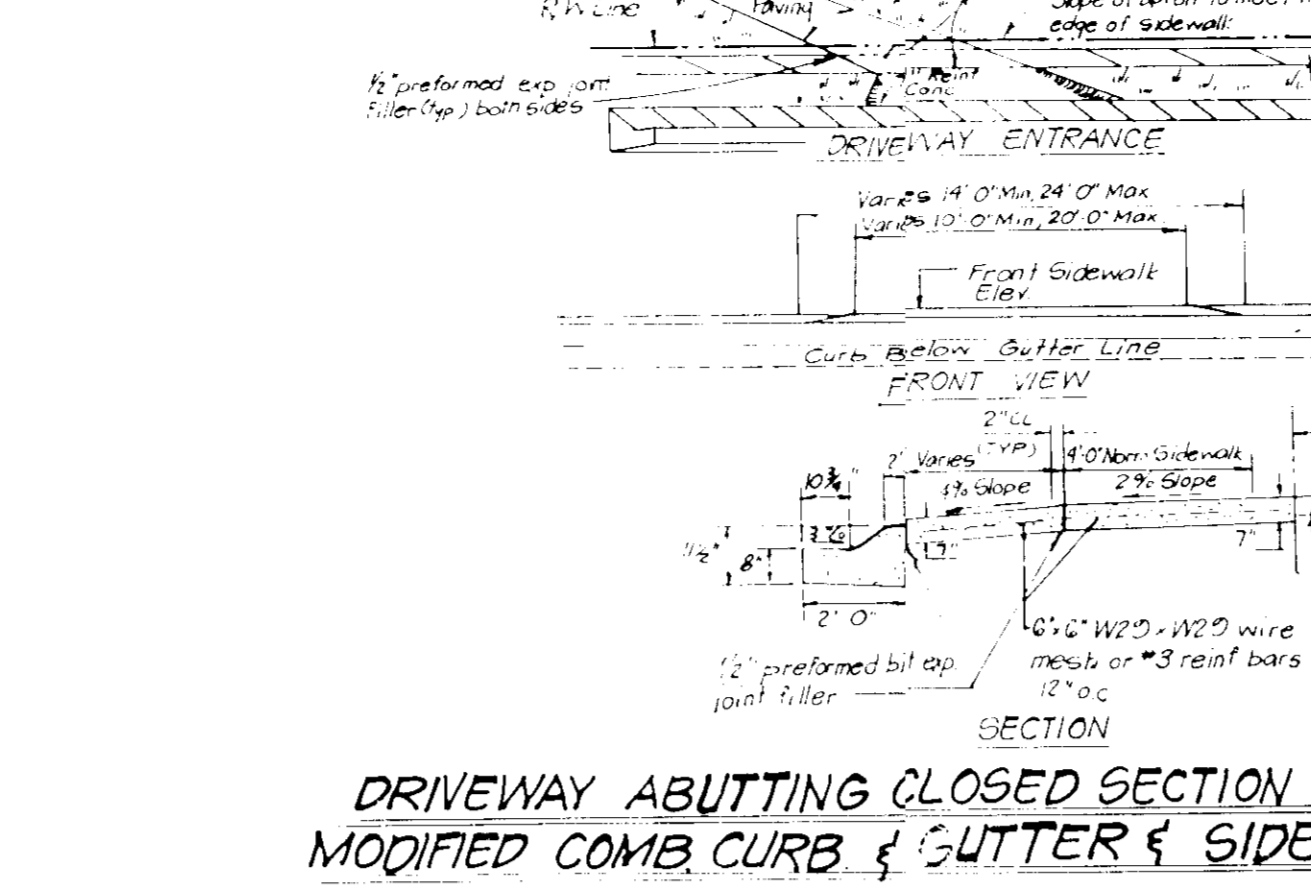


REVISIONS

No	REVISIONS	Date
1	Rev hse & grd lots 24, 41 & 42	7-11-91
2	Rev hse & grd lots 42, Add hse typical	10-13-93

CONSTRUCTION SPECIFICATIONS:

- Stone size - Use 2" stone or equivalent in recycled concrete equivalent.
- Length - As required, but not less than 50 feet, except on a single residence lot where a 30 foot minimum length would apply.
- Thickness - Not less than 18 inches.
- Width - Ten (10) feet minimum, but not less than the full width of points where ingress or egress occurs.
- 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.
- Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a runoff ditch with a 5% slope will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or blowing of sediment and debris onto the road. This may require periodic top dressing with additional stone or concrete disposal and repair and/or cleanup. Any materials used to stabilize the entrance shall be approved by the Howard County Sediment Control Inspector. If the entrance is to be used for a period of time, it shall be done in an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and record maintenance shall be provided after each rain.

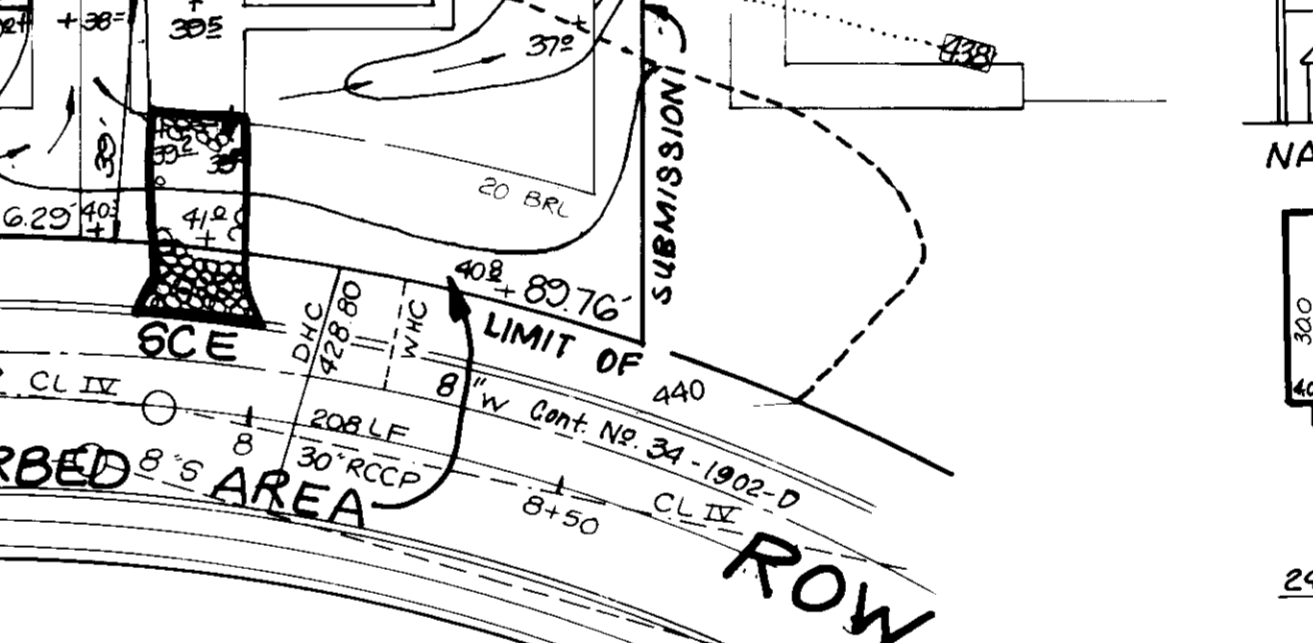
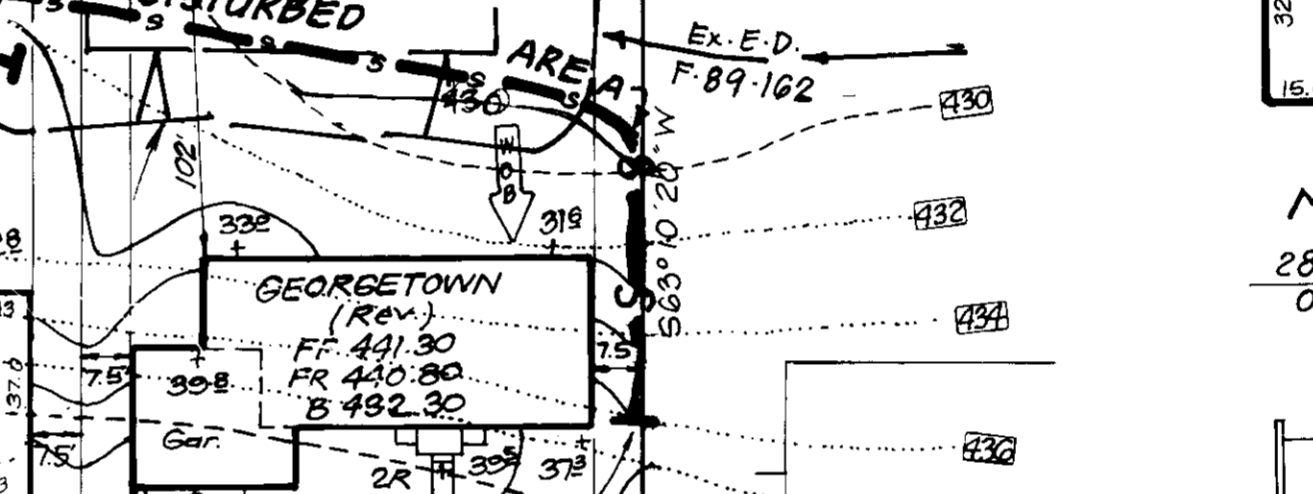
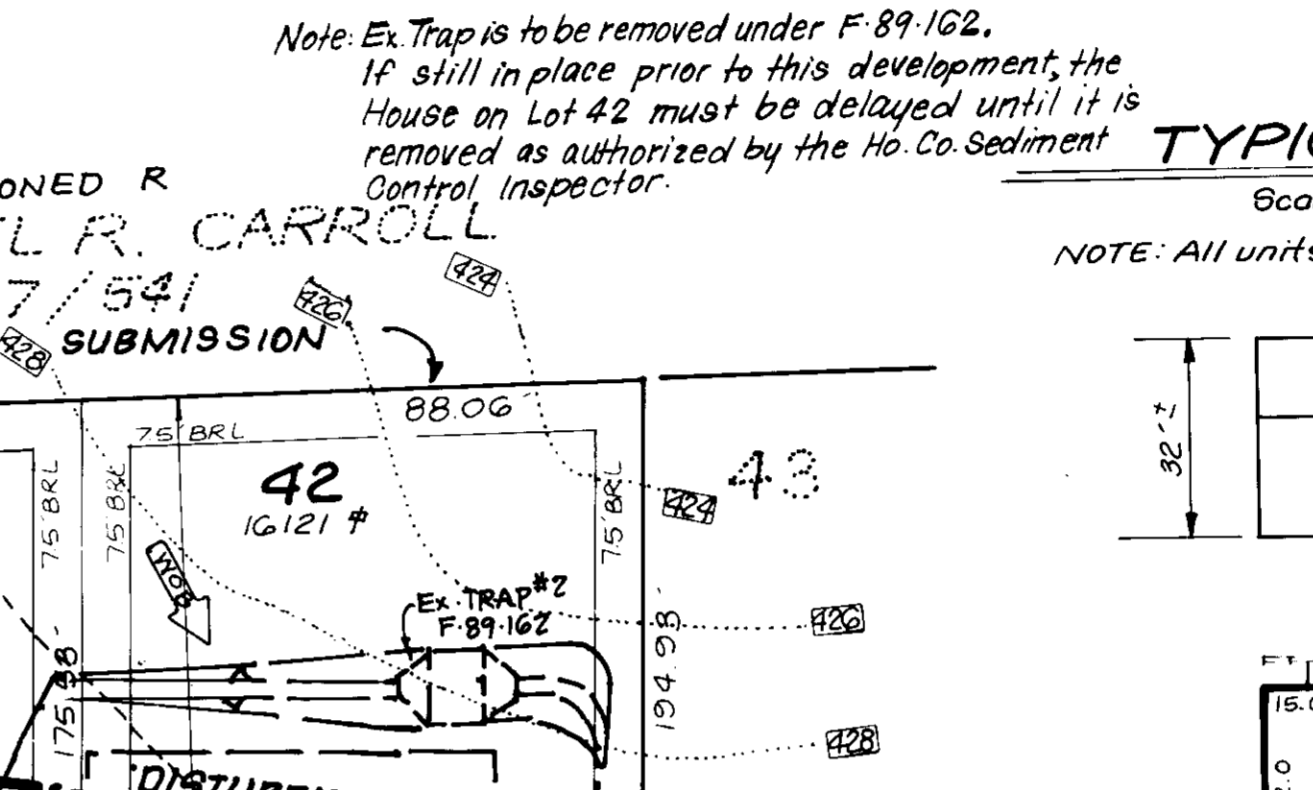
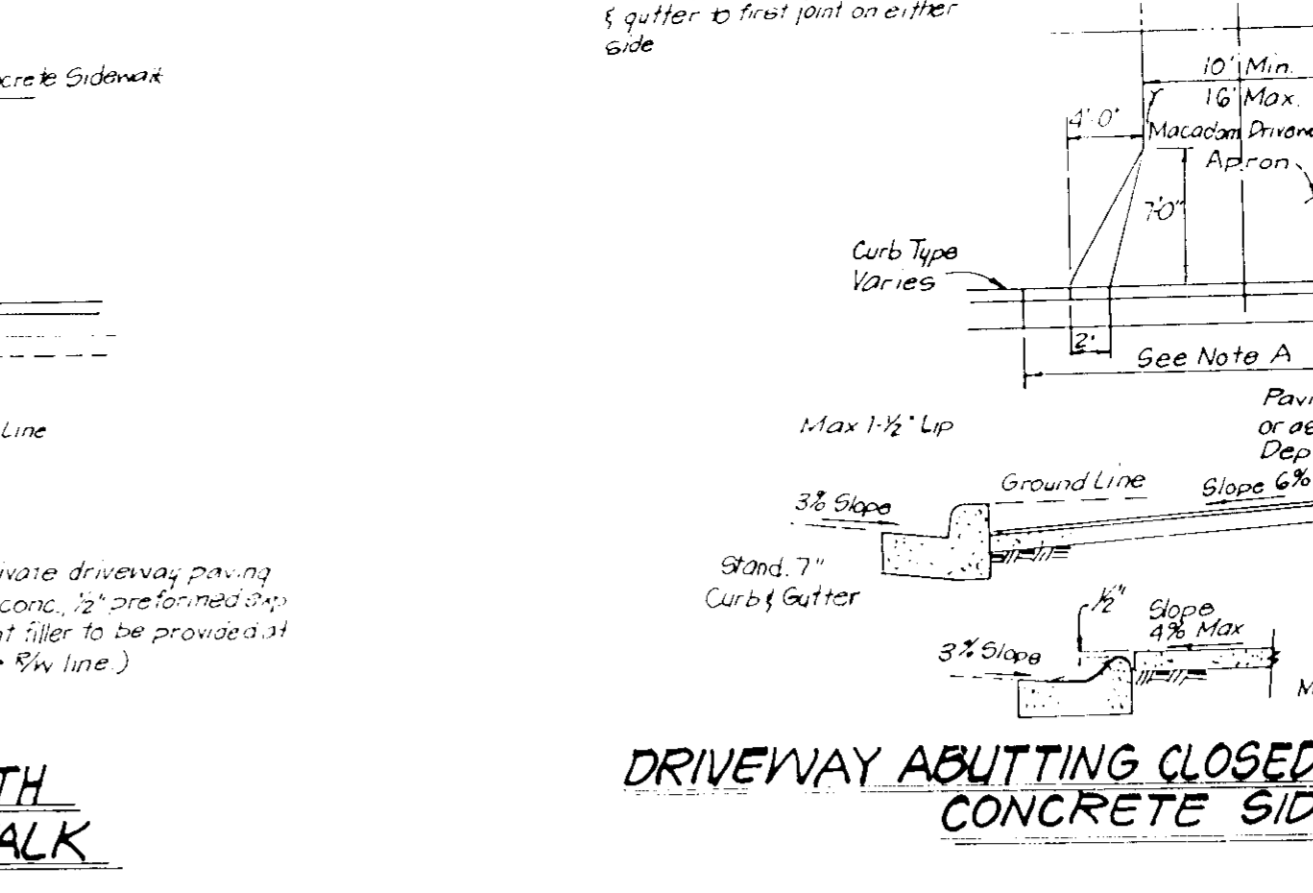


REVISIONS

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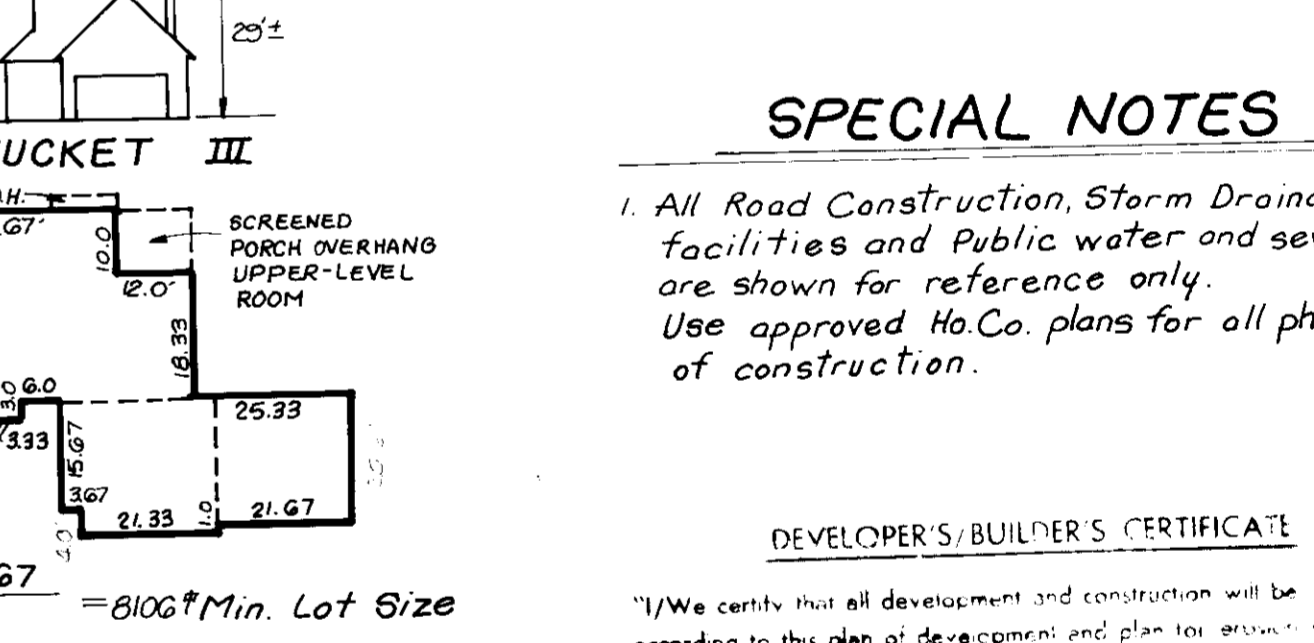
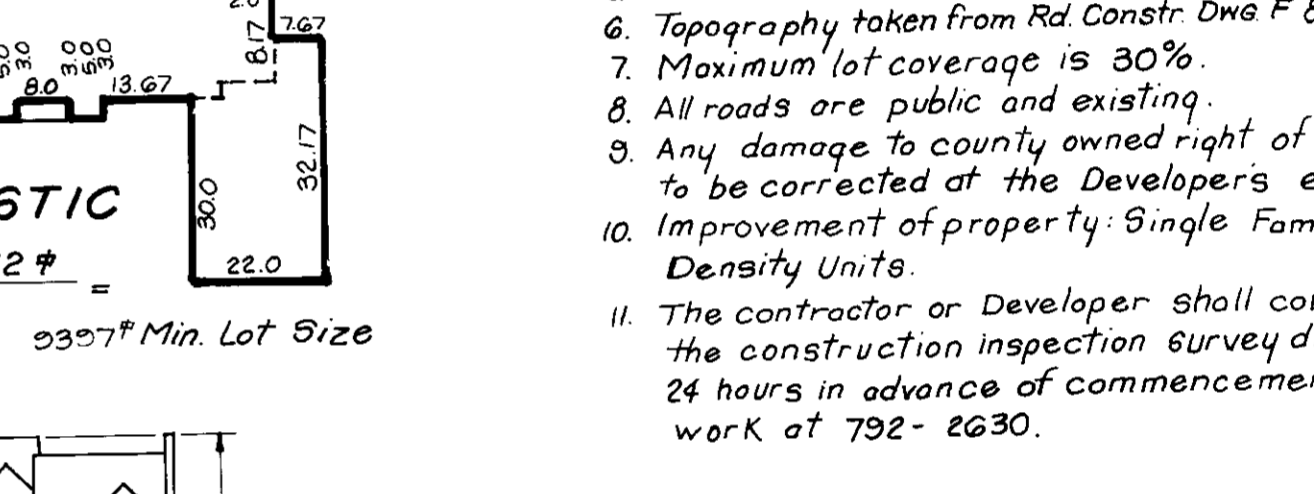
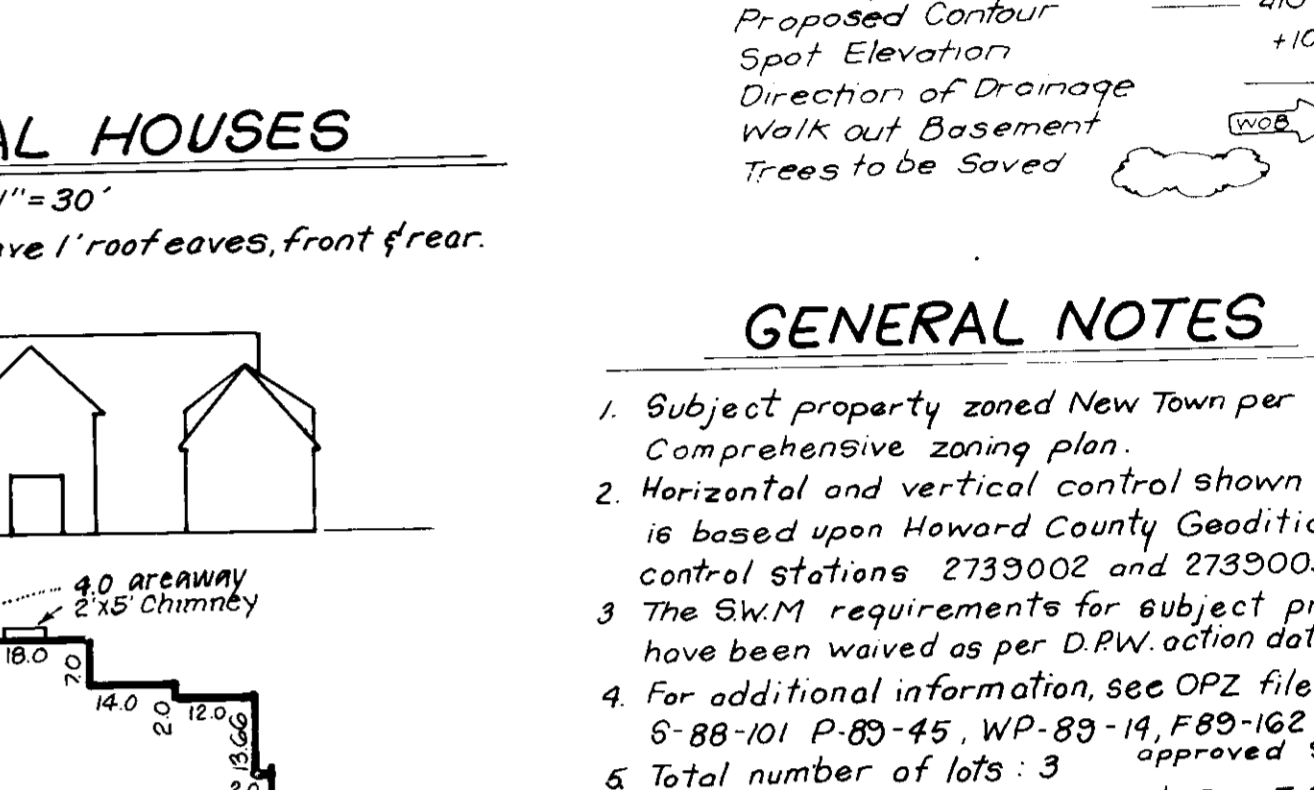
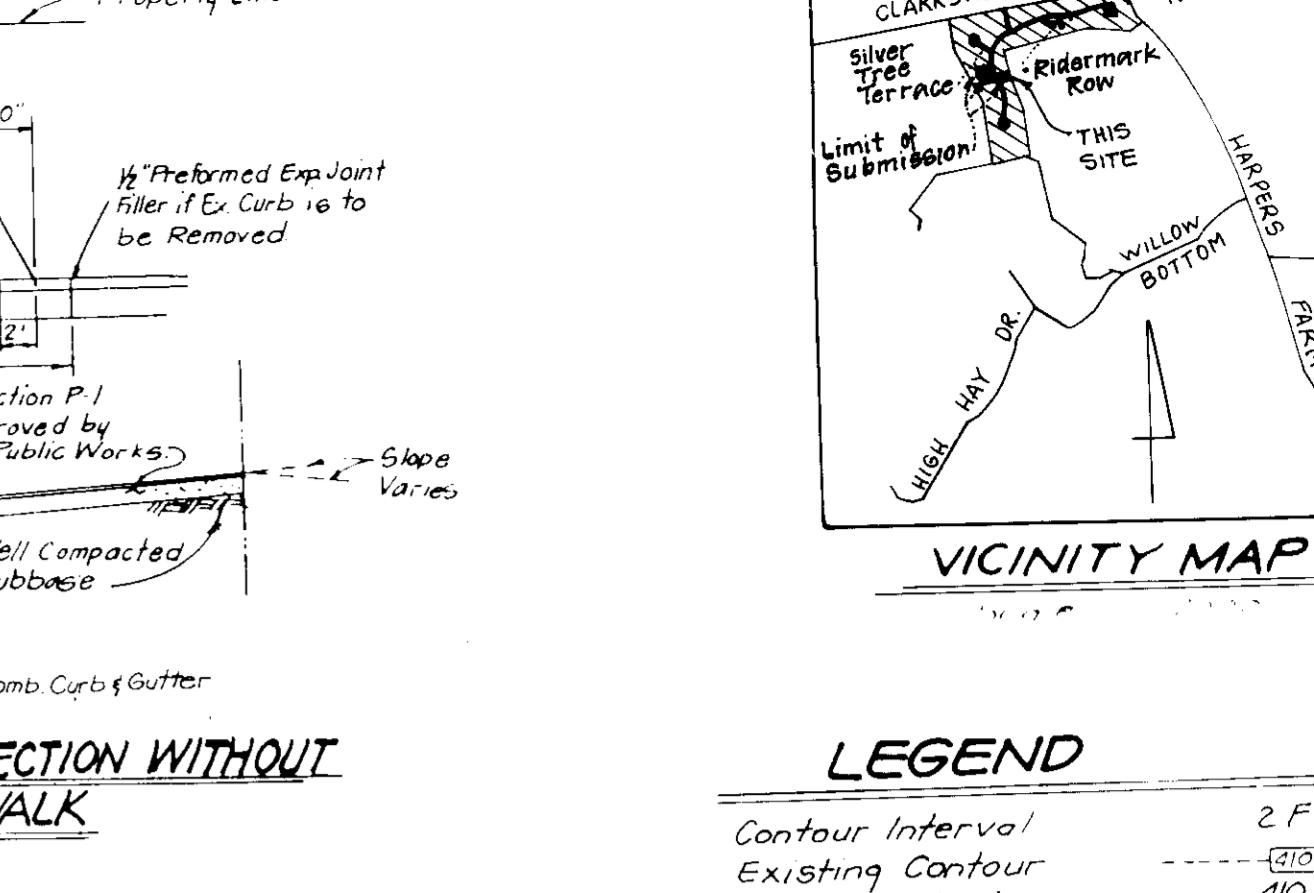


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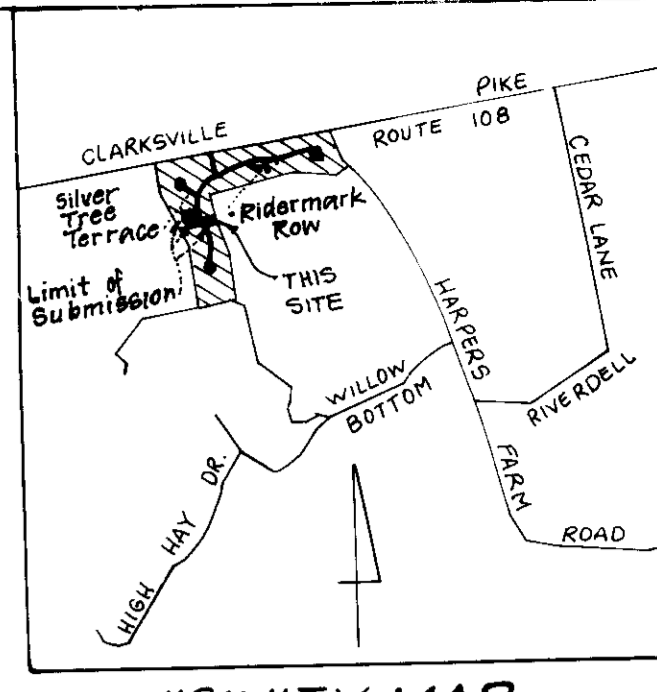


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LEGEND

Contour Interval	2 FT
Existing Contour	---
Proposed Contour	---
Spot Elevation	+
Direction of Drainage	→
Walk out Basement	---
Trees to be Saved	☼

- GENERAL NOTES**
- Subject property zoned New Town per 8-2-85 Comprehensive zoning plan.
 - Horizontal and vertical control shown hereon is based upon Howard County Geodetic control stations 2739002 and 2739003.
 - The SWM requirements for subject property have been waived as per D.P.W. action dated 5-6-88.
 - For additional information, see OPZ file nos. 6-88-101 P-89-45, WP-89-14, F-89-162, FDP-204 approved 5-20-88.
 - Total number of lots: 3
 - Topography taken from Rd Constr Dwg F-89-162.
 - Maximum lot coverage is 30%.
 - All roads are public and existing.
 - Any damage to county owned right of ways to be corrected at the Developer's expense.
 - Improvement of property: Single Family Density Units
 - The contractor or Developer shall contact the construction inspection survey division 24 hours in advance of commencement of work at 792-2630.

- SPECIAL NOTES**
- All Road Construction, Storm Drainage facilities and Public water and sewer are shown for reference only. Use approved Ho.Co. plans for all phases of construction.

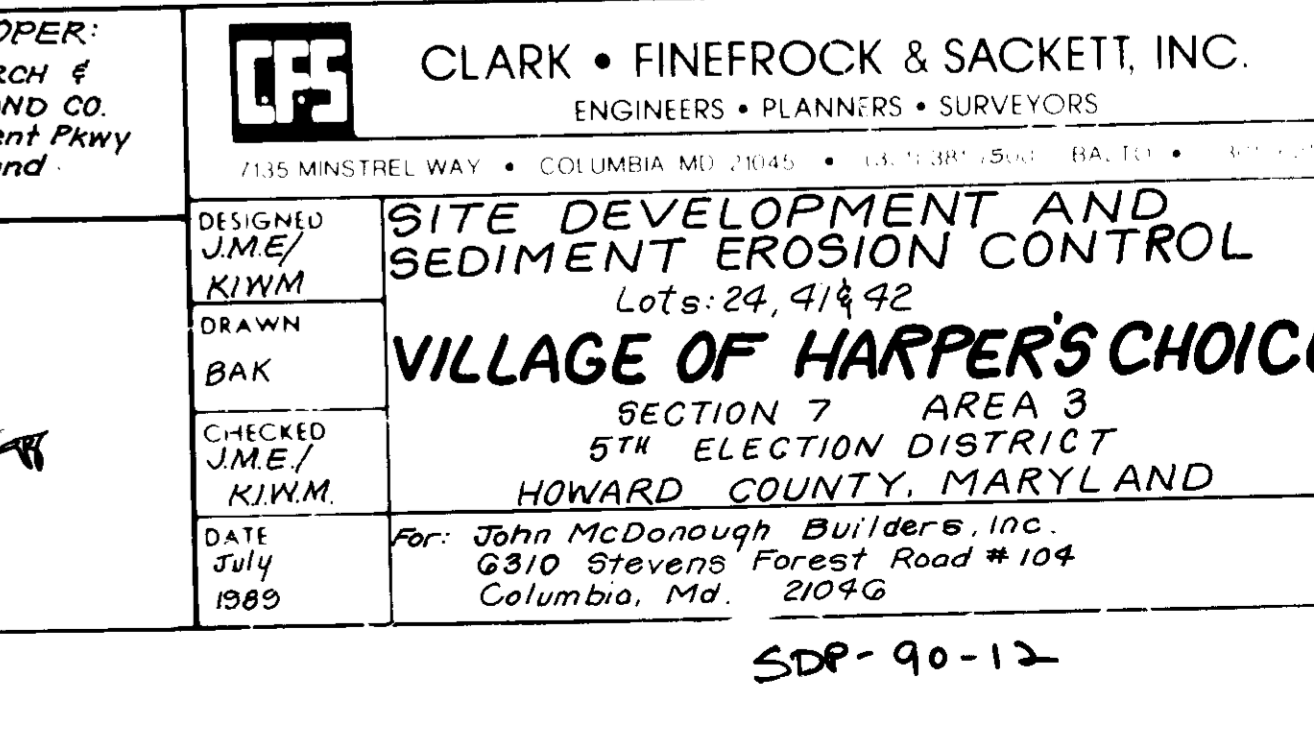
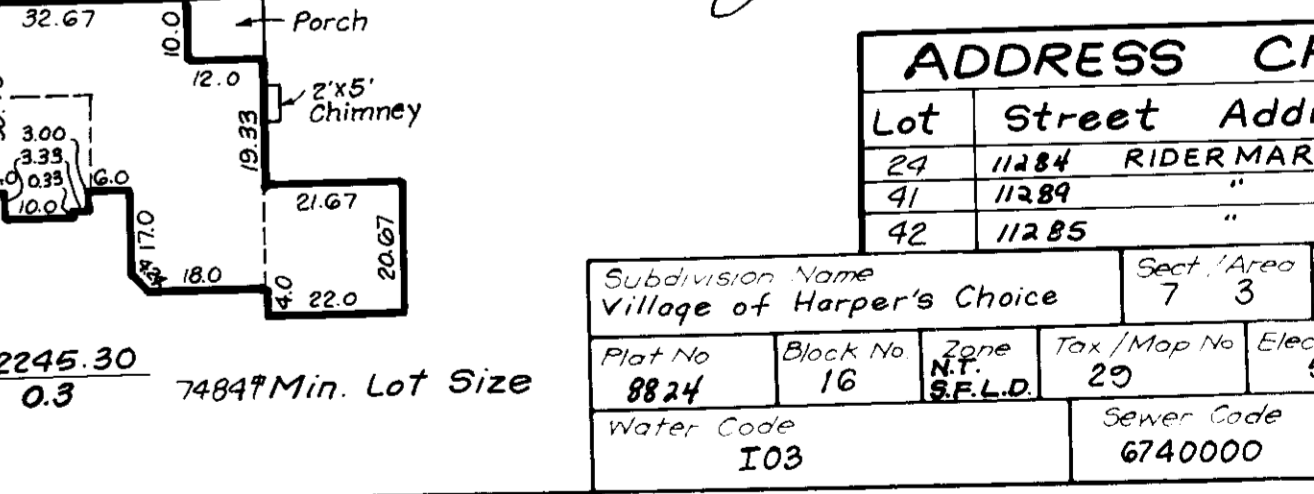
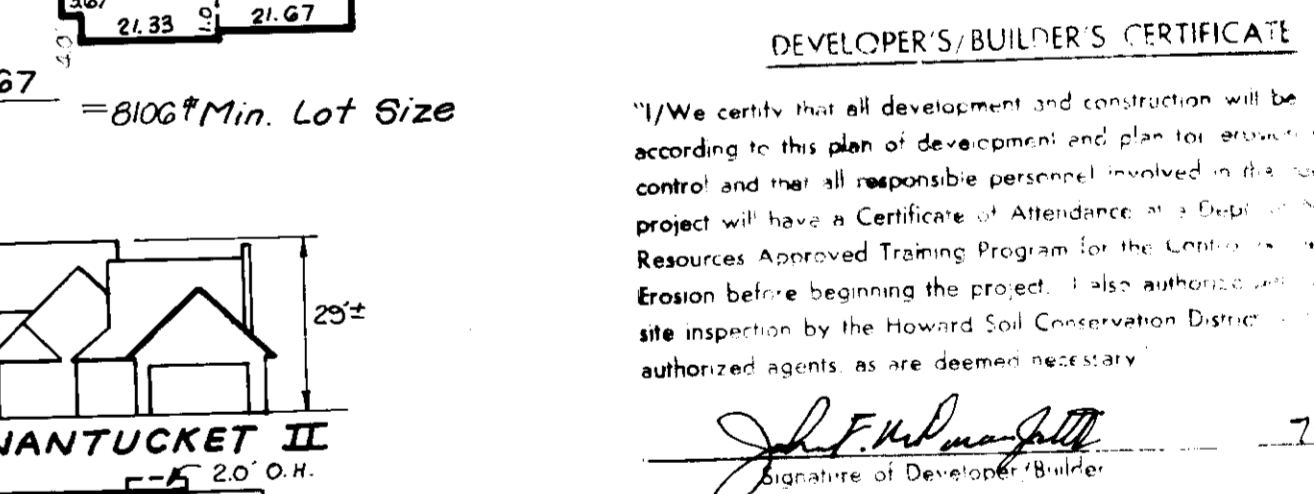
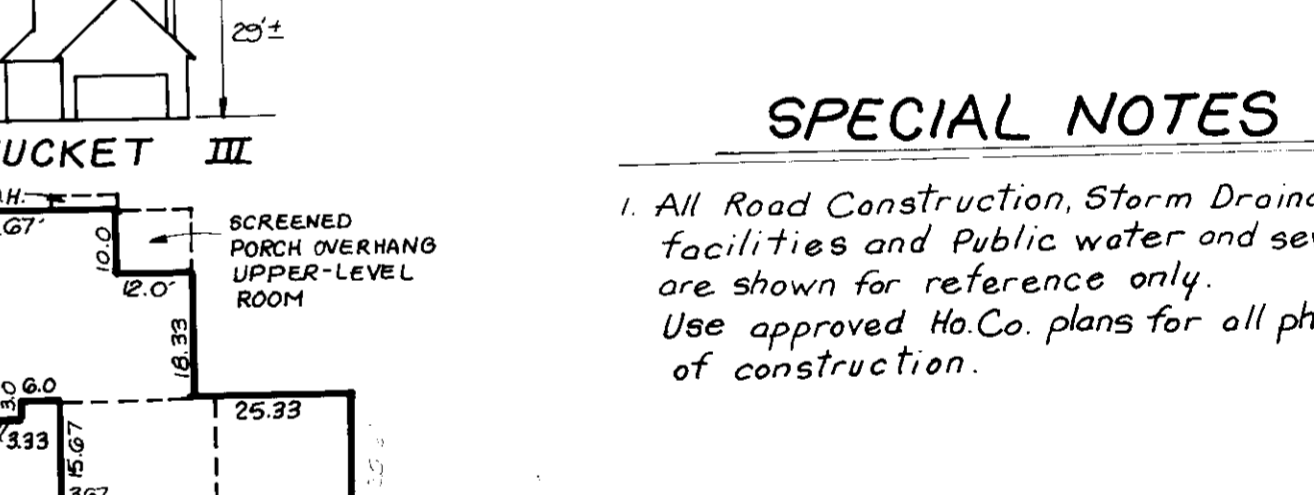
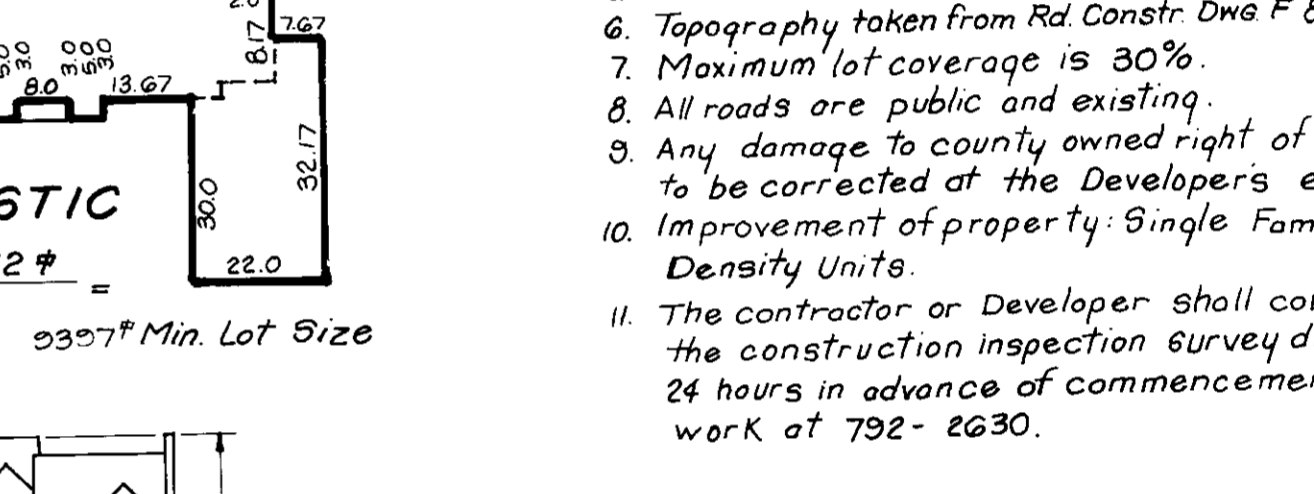
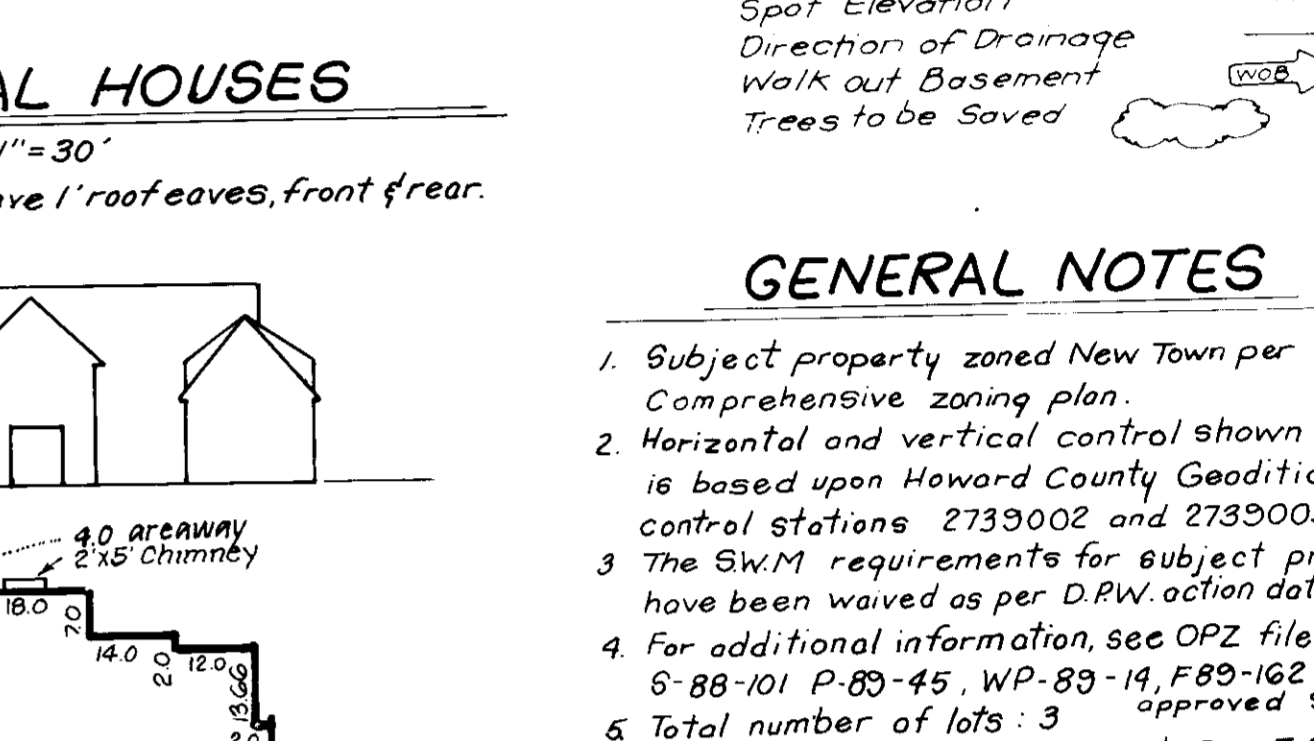
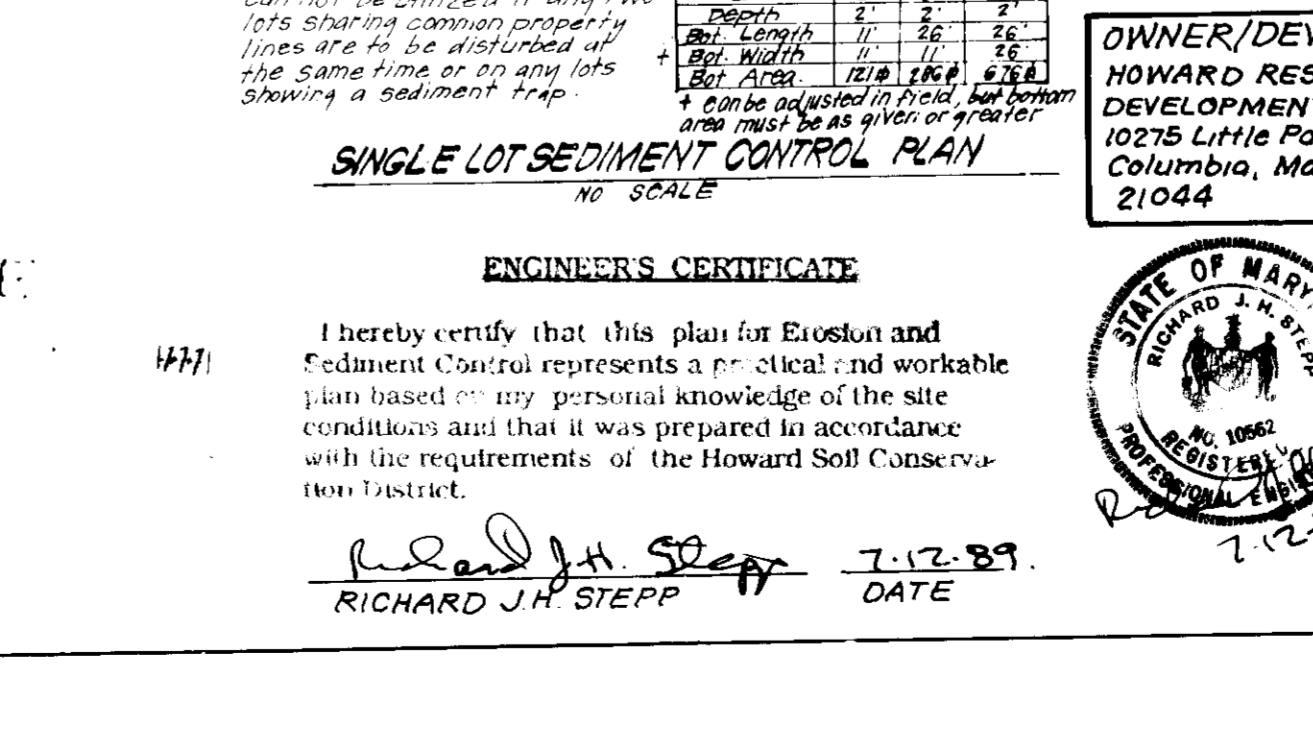
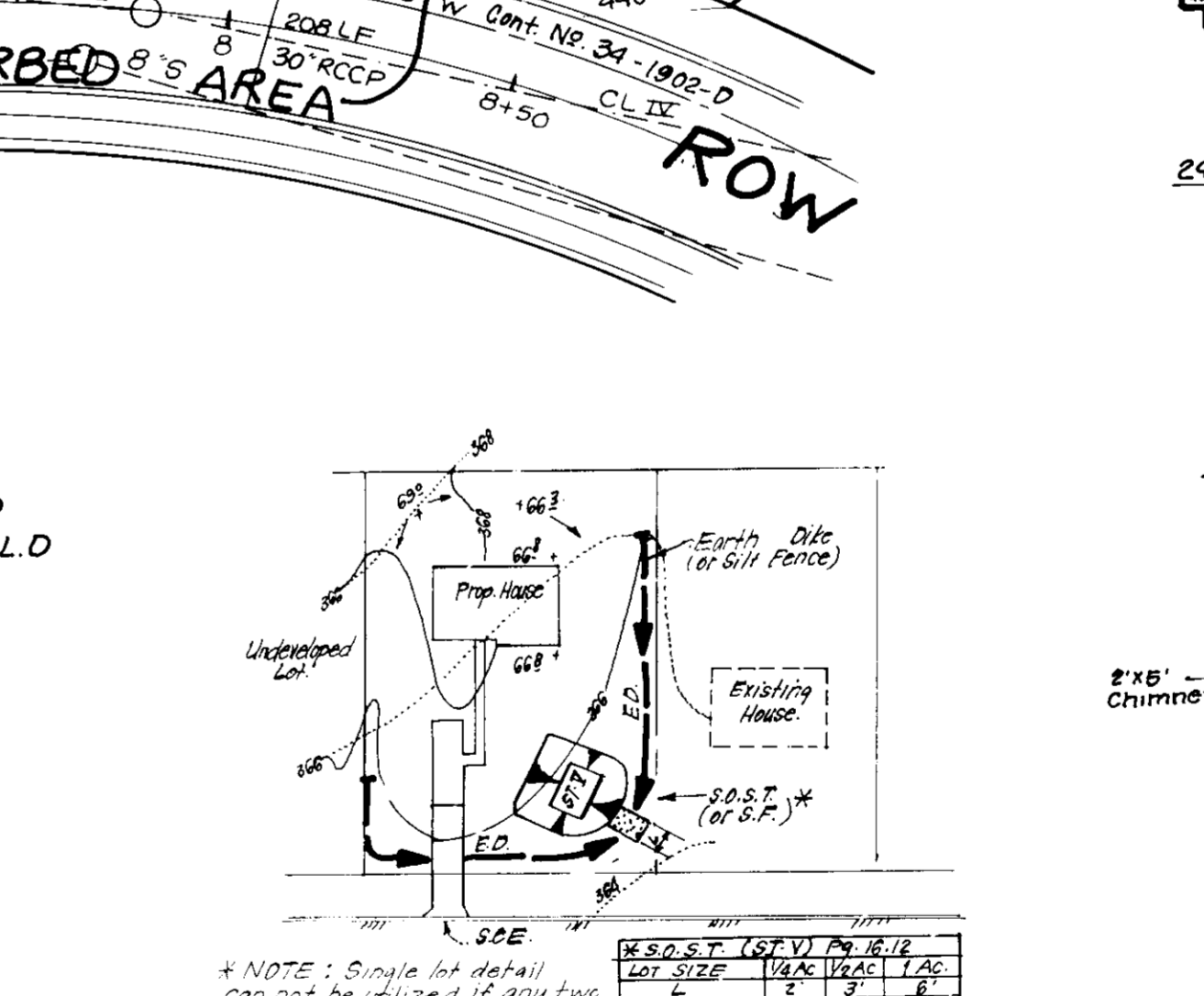
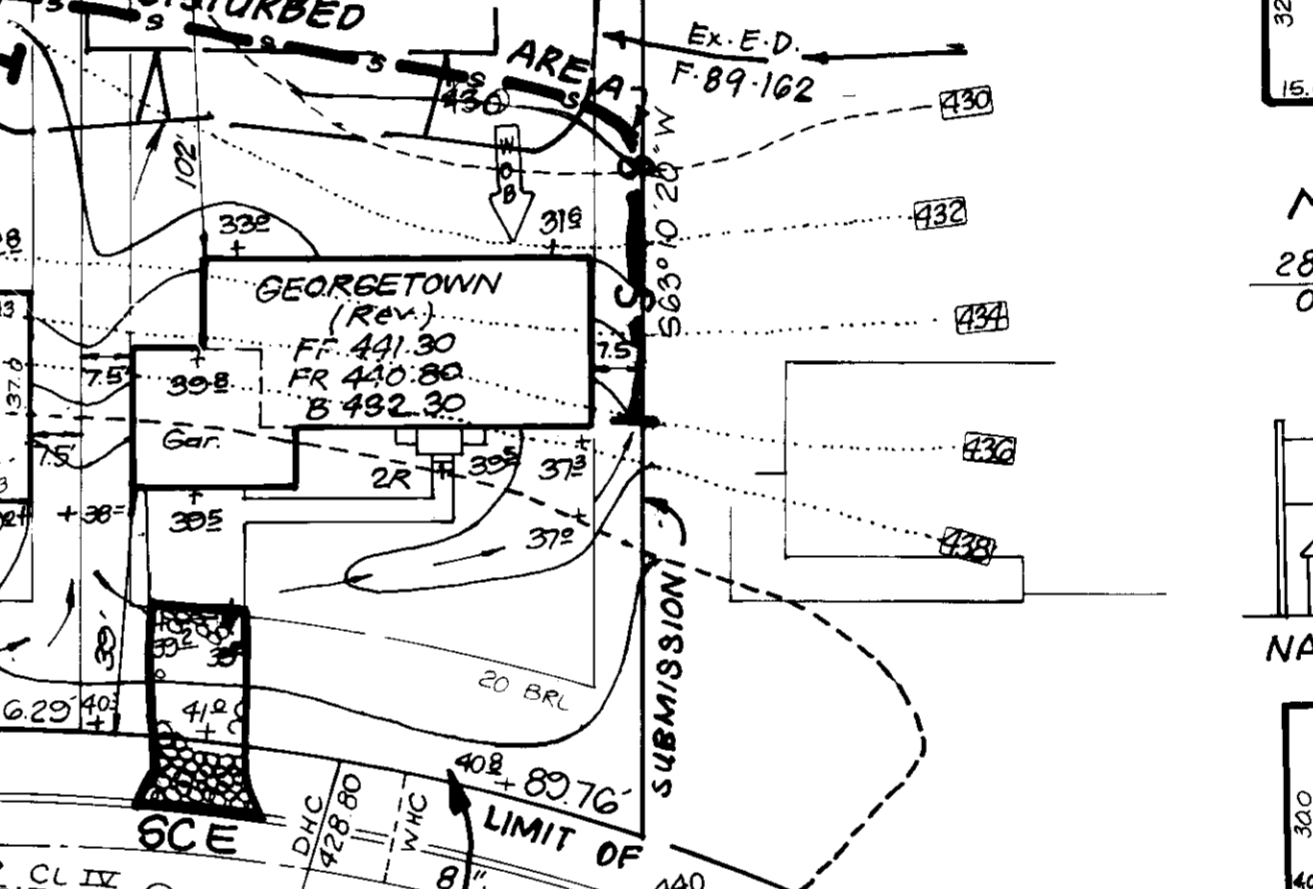
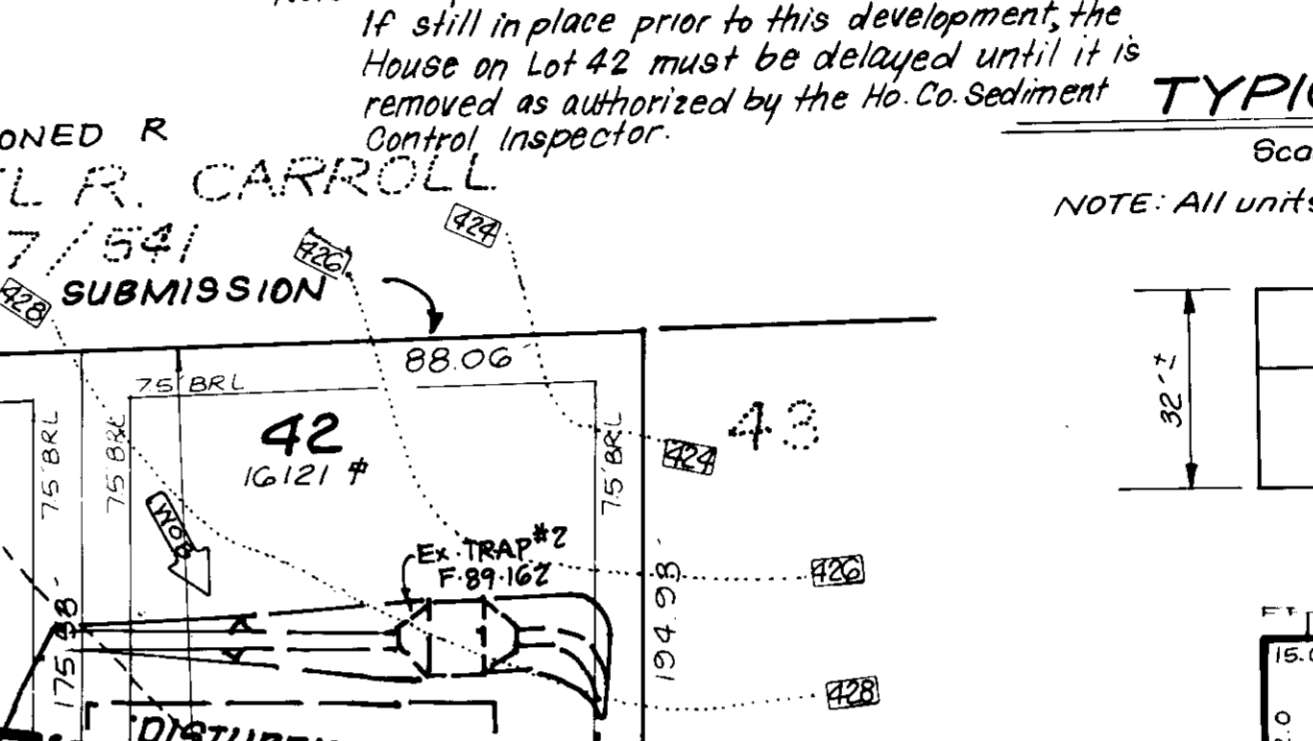
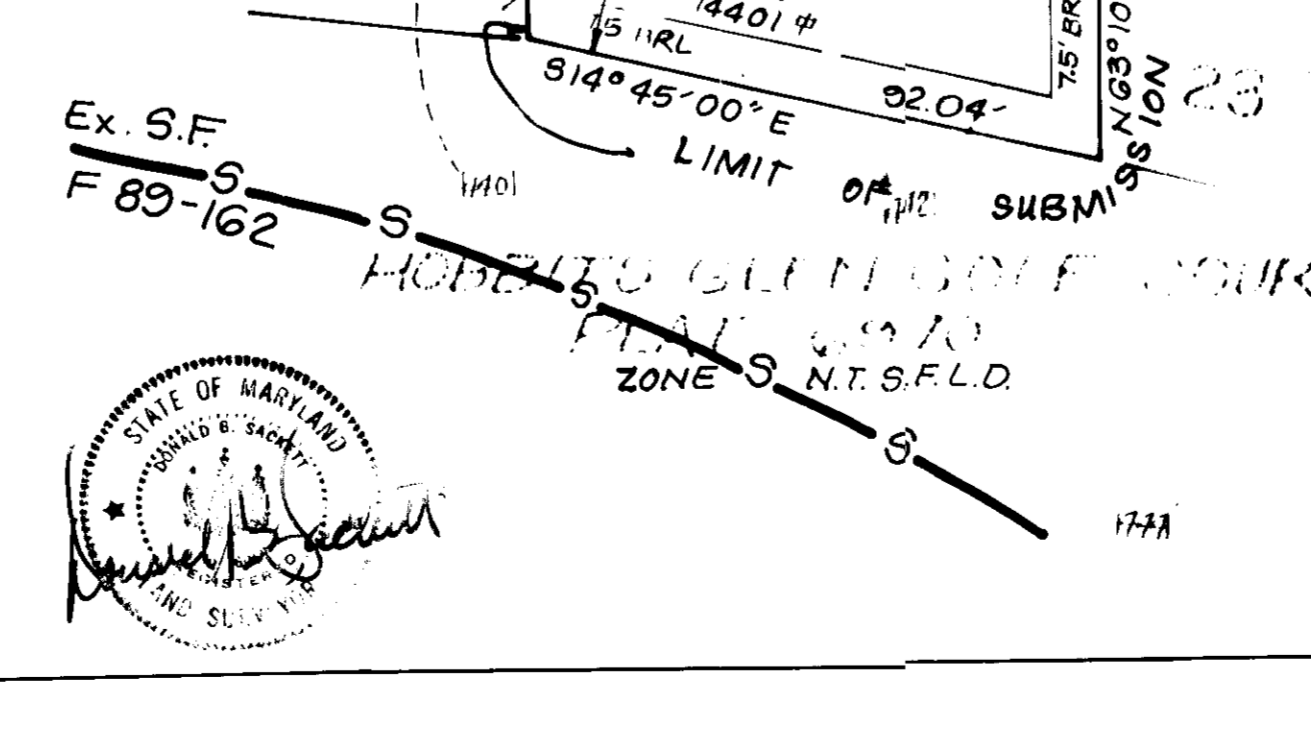
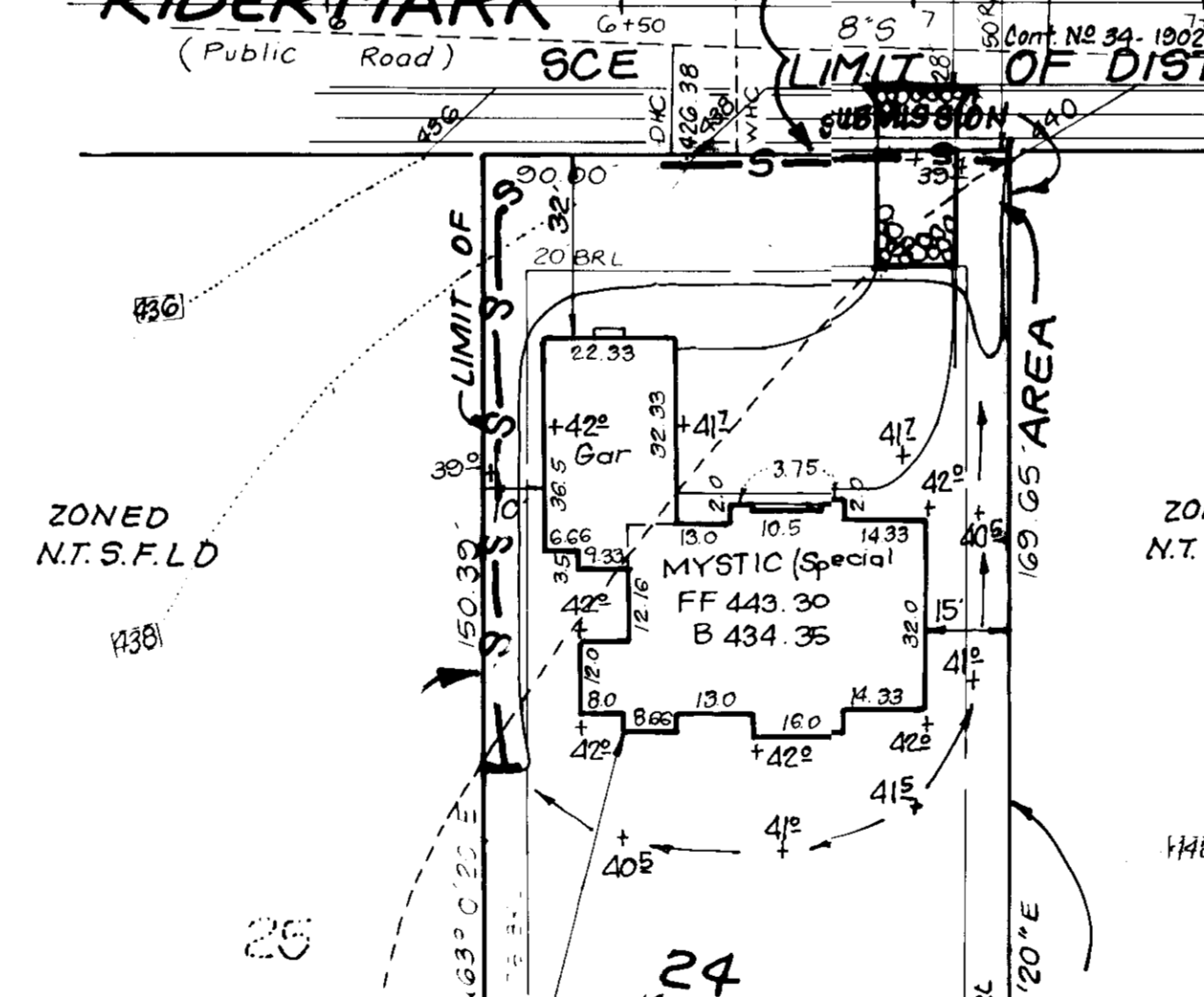
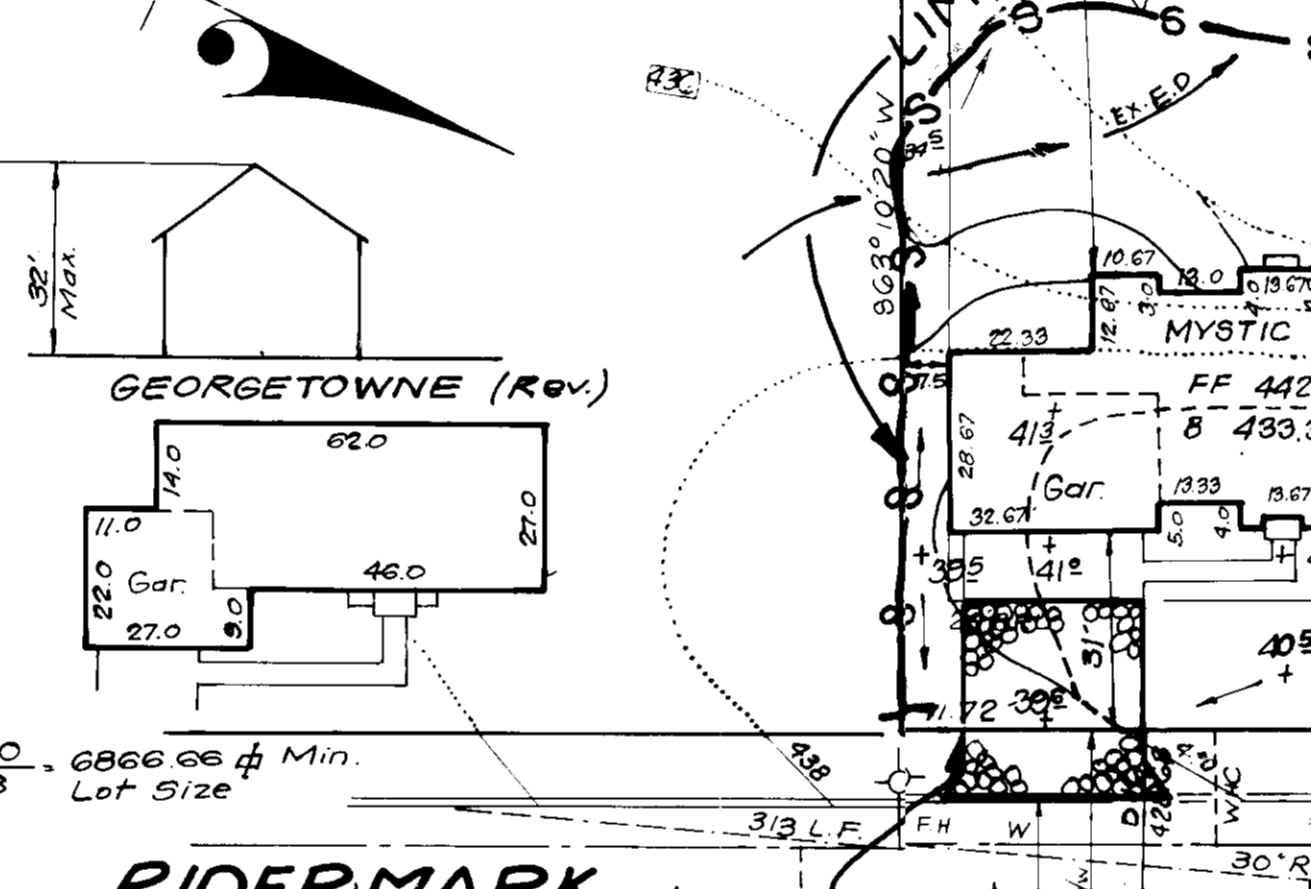
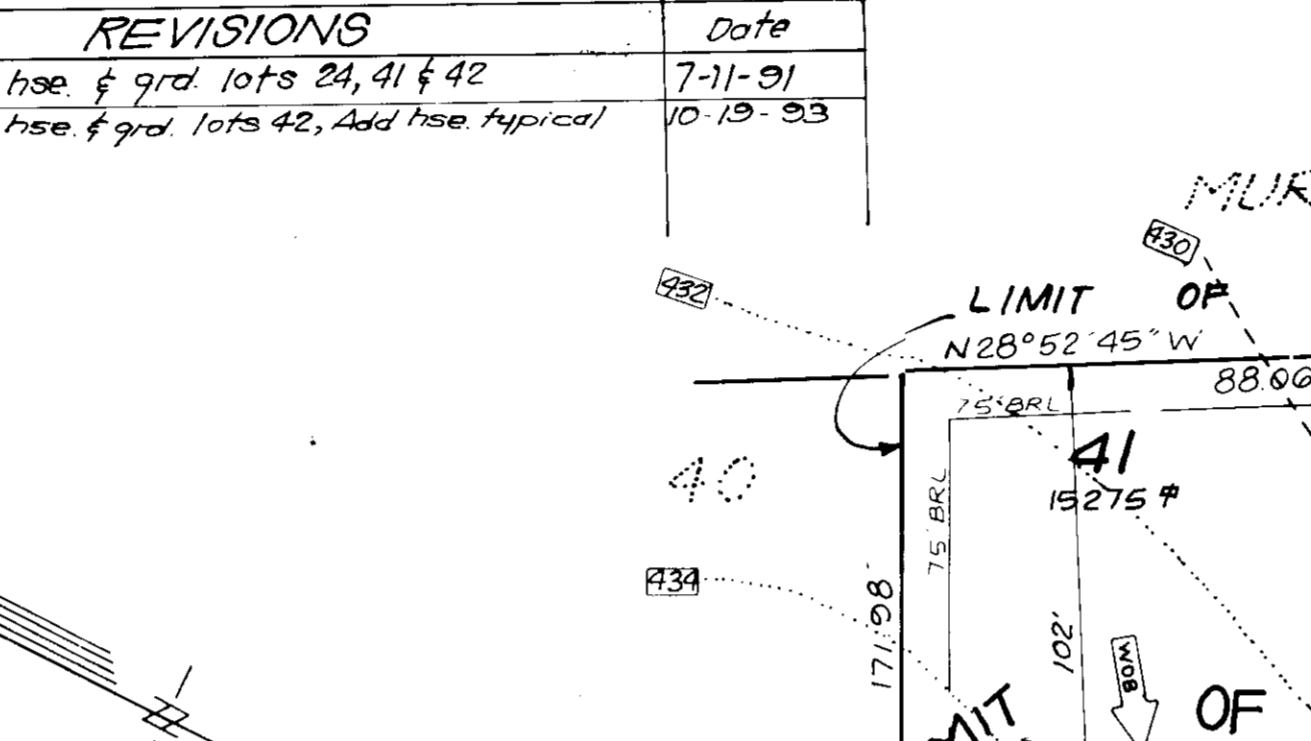
DEVELOPER'S/BUILDER'S CERTIFICATE

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 personnel involved in the construction project will have a Certificate of Attendance in a 4-hour training program. I/We certify that the construction project will be completed and all resources approved Training Program for the Lot(s) shown and site inspection by the Howard Soil Conservation District authorized agents as are deemed necessary.

Signature of Developer/Builder: *John F. Carroll* Date: 7-13-89

ADDRESS CHART

Lot	Street	Address
29	11284	RIDERMARK ROW
41	11289	"
42	11285	"



OWNER/DEVELOPER:
HOWARD RESEARCH & DEVELOPMENT LAND CO.
10275 Little Patuxent Pkwy
Columbia, Maryland
21044

ENGINEER'S CERTIFICATE:
I hereby 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: *Richard J. Stepp* Date: 7-12-89

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7315 MINSTREL WAY • COLUMBIA, MD 21045 • LA. SUB. 3818, BA. 151 • RT. 108, BOX 108 • CLARKSVILLE, MD 21031

SITE DEVELOPMENT AND SEDIMENT EROSION CONTROL
Lots: 24, 41 & 42
VILLAGE OF HARPER'S CHOICE
SECTION 7 AREA 3
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

For: *John McDonough Builders, Inc.*
6310 Stevens Forest Road #104
Columbia, Md. 21046

DATE: July 1989

SDP-90-12