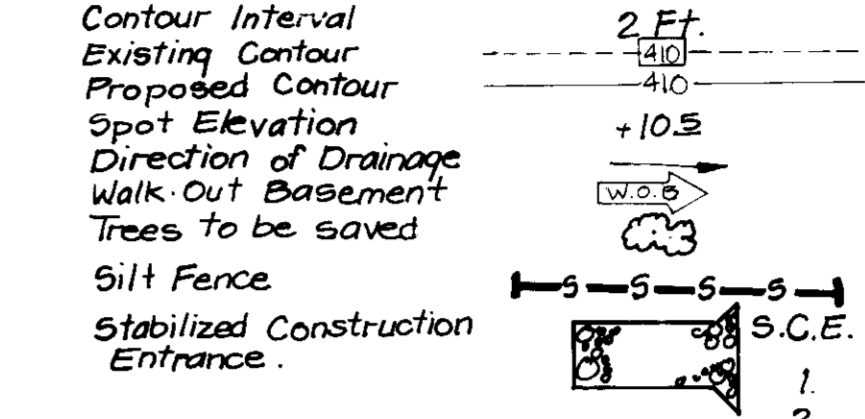


**SPECIAL NOTES**

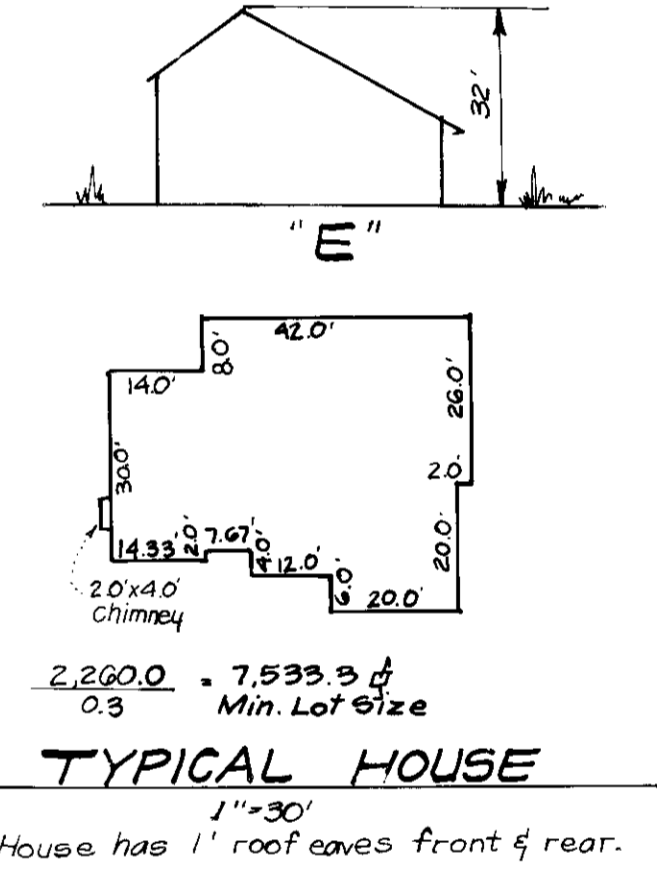
- Approved Road Construction Plans shall be used for all public utilities.
- Public Water and Sewer shown for reference only. For more detailed information, see Water & Sewer Plans Contract No. 34-0908-D.
- The water and sewer house connections not included in a "Developer's Agreement", shall conform to Howard County Plumbing Code. The on-site WHC shall be 1" copper and the SHC shall be 4" iron.
- Minimum building setback restrictions from the property lines and the public road right-of-way line are to be in accordance with FDP Phase 169-A-1, part II, recorded as plat number 3054A, 562-575.

**LEGEND:**



**GENERAL NOTES**

- The Land included is zoned New Town S.F.L.D.
- The coordinates shown herein are based upon traverse controls for Columbia established by Maps, Inc. in 1965 by Purdum & Jeschke in 1968, which controls were tied to the N.D. Bureau of Control Survey monuments and to U.S. Coast and Geodetic Survey monuments in the Columbia area.
- All roads are public and existing.
- Any damage to county owned rights-of-way to be corrected at Developer's expense.
- Total area included is 0.395 Acres.
- Total number of lots is 1.
- The contractor or developer shall contact the Construction Inspection Survey Division 24 hours in advance of commencement of work at 792-2630.
- Maximum building coverage is 30% per lot.
- Existing topo was field run by Clark, Finefrock & Sackett, Inc. 6-30-88.
- Storm water Management provided under F-80-87.
- Reference File Nos.: F-88-274, F-169-A-1, part II.



LOT No.	STREET ADDRESS
95	Nightsong Lane
94	0529
93	
92	

LOT No.	STREET ADDRESS
95	Nightsong Lane
94	0529
93	
92	

OWNER/DEVELOPER	SUBDIVISION NAME	SECT./AREA	LOT
Howard Research and Land Development Corp. 10275 Little Patuxent Pkwy. Columbia, MD. 21044	COLUMBIA	3/2	94

DESIGNED	SITE DEVELOPMENT PLAN AND SEDIMENT AND EROSION CONTROL PLAN	SCALE
V.L.P.	LOT 94	1" = 30'

DRAWN	COLUMBIA	DRAWING
LAI	SECTION 3 AREA 2	1 of 1

CHECKED	FOR:	DATE
J.M.E.	R.C. GOODIER BUILDERS, INC. 5054 Dorsey Hall Dr. # 205 Ellicott City, MD. 21043	June, 1988

SDP-91-12

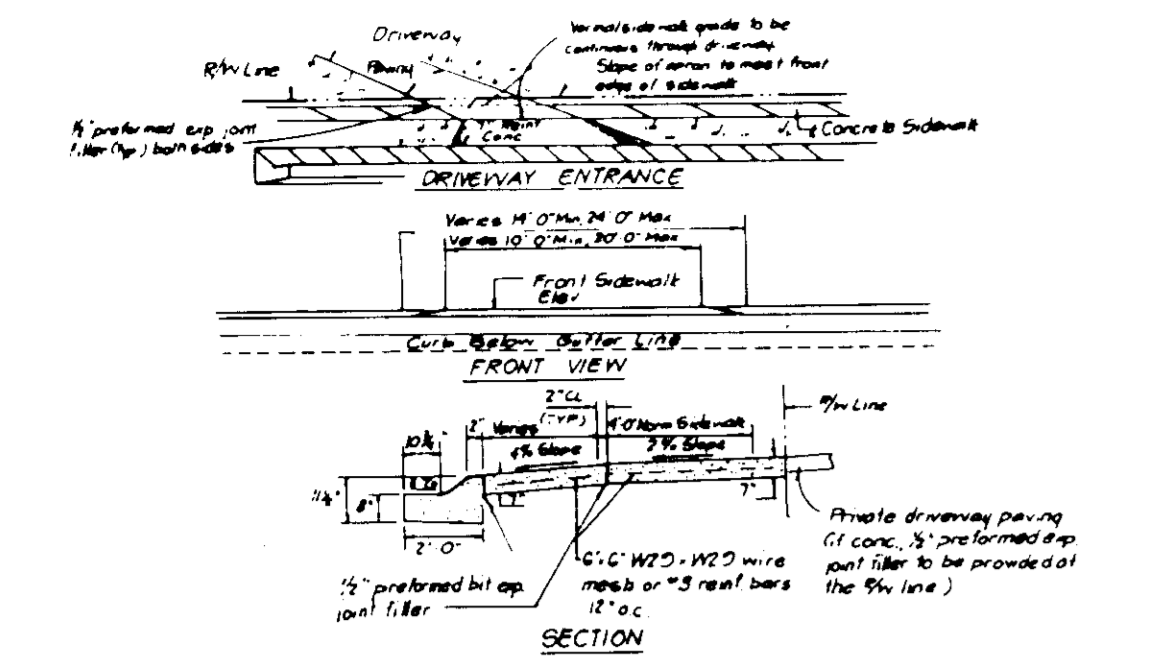
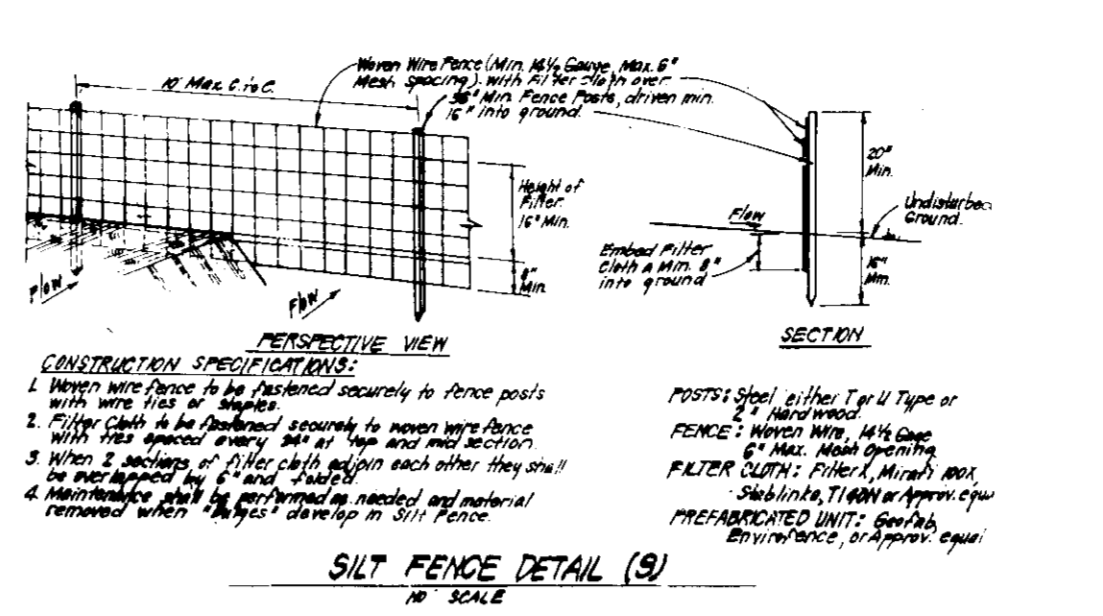
**SEDIMENT CONTROL NOTES**

- A minimum of 28 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2537)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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. Within 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 perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the 150 day period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for permanent seedings (Sec. 31) and (Sec. 32), temporary seeding (Sec. 30) and mulching (Sec. 31). 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: 0.395 Acres  
Area Disturbed: 0.12 Acres  
Area to be roofed or paved: 0.08 Acres  
Area to be vegetatively stabilized: 0.11 Acres  
Total Cut: 0.20 Cu. Yds.  
Office waste/borrow area location: undetermined.
- 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 SDC 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.
- If houses are to be constructed on an "As-Built" basis, at Anderson, Single lot sediment control as shown below shall be implemented. N/A
- All pipes to be binned at the end of each day (see detail below). N/A
- The total amount of straw bale dikes/silt fence equals 285 L.F.

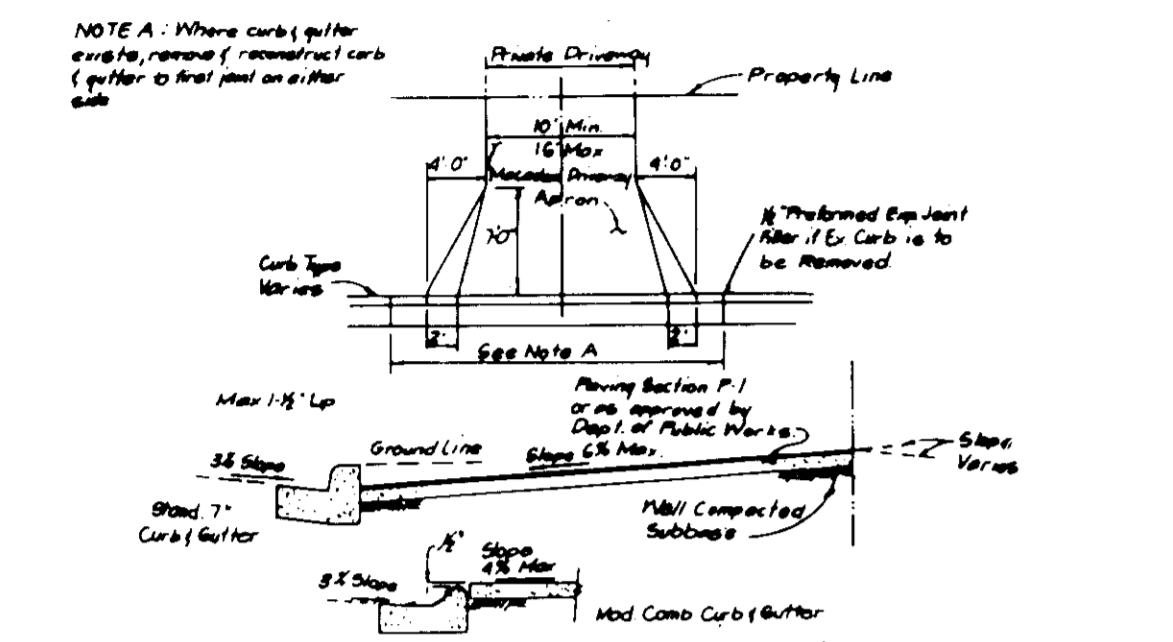
**TEMPORARY SEEDING NOTES**

- Apply to graded or cleared areas likely to be redistributed 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 November 15, seed with 25 bushel per acre of annual ryegrass (3.2 lbs/1000 sq ft). For August 16, seed with 3 lbs per acre of seeding 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 seed.
- Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 345 gallons per acre (8 gal/1000 sq ft) for anchoring.
- Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.
- Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
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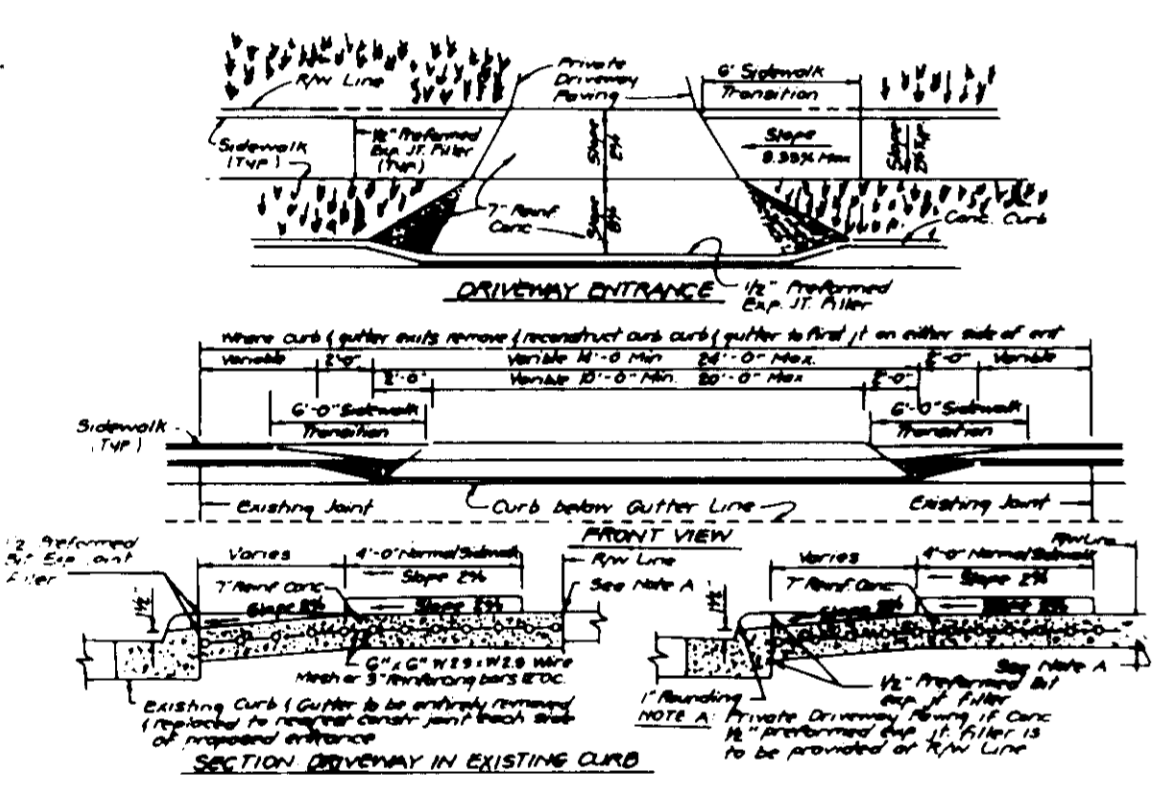
The wetland buffer indicated on this plan does not affect the initial construction of a residential unit on the lot. It does prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.



**DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB & GUTTER & SIDEWALK**



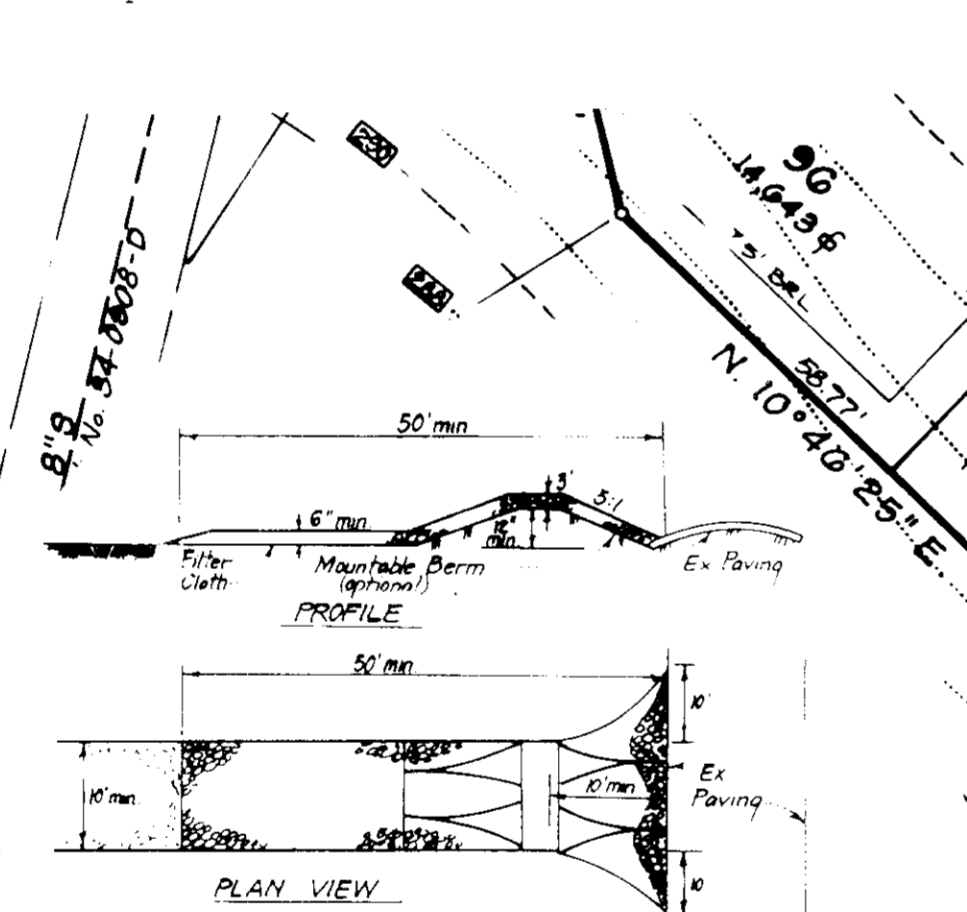
**DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK**



**DRIVEWAY ABUTTING CLOSED SECTION WITH STR 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB**

**CONSTRUCTION SEQUENCE:**

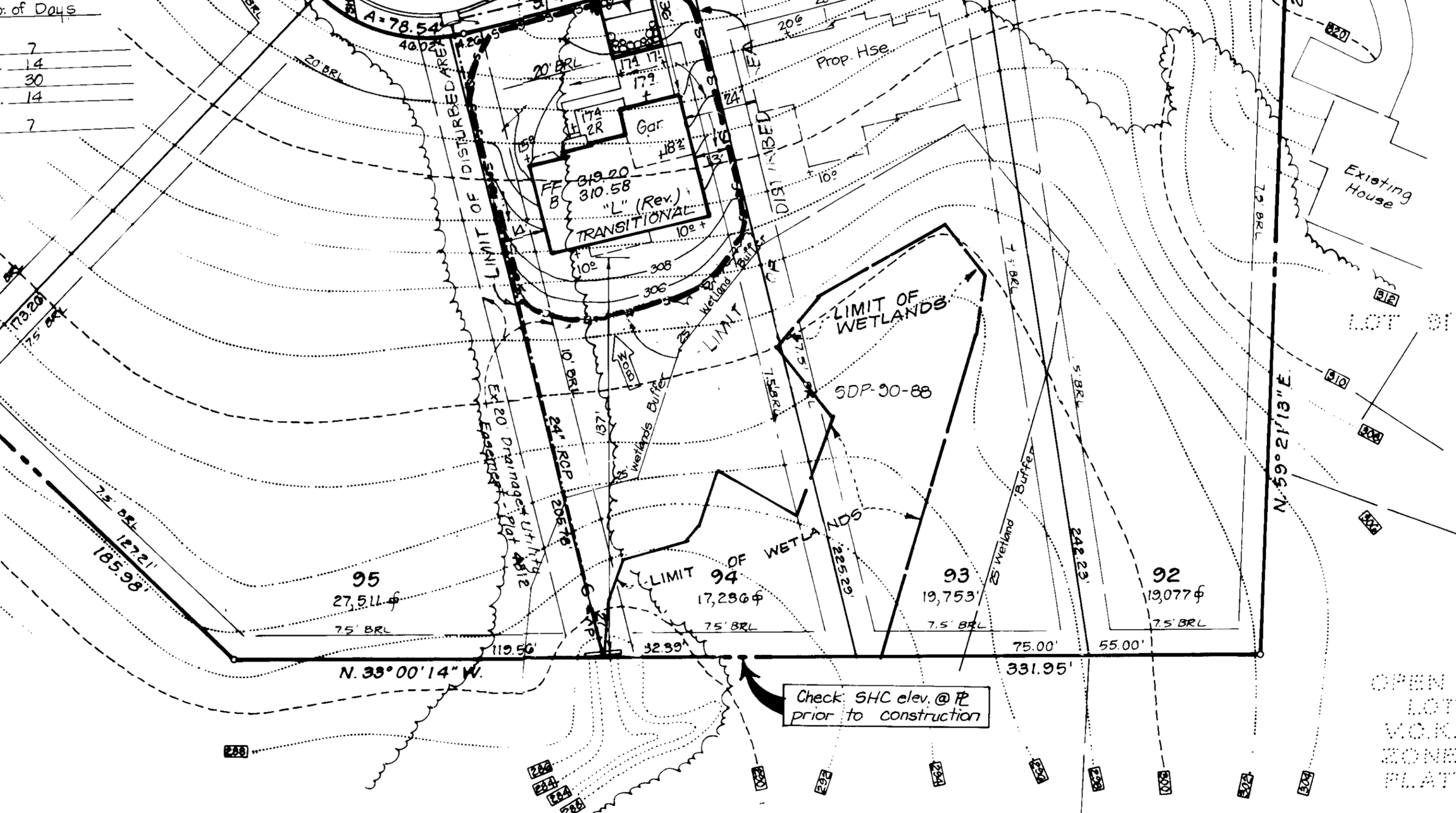
- | Activity  | No. of Days |
|---|-------------|
| A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.                | 7           |
| B. Excavate for foundations and Rough Grade & Temporarily Stabilize.                                    | 14          |
| C. Construct Structures, Sidewalks and Driveways.   | 30          |
| D. Final Grade and Stabilize in accordance with Stds. & Specs.  | 14          |
| E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize. | 7           |



**CONSTRUCTION SPECIFICATIONS:**

- Stone size - Use 2" stone or equivalent required concrete equivalent.
- Length - As required, but not less than 50 feet, except on a single residential lot where a 30 foot minimum length would apply.
- Thickness - Not less than six (6) 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 mound of berm with 5' slopes will be permitted.
- 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 clearing of obstructions which may impede flow. All sediment applied, trapped, washed or tracked onto public rights-of-way must be removed immediately.
- 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.
- Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**



OPEN SPACE LOT 188  
V.O.K.C. 3/2  
ZONED R-20  
PLAT 4811

**DEVELOPER/BUILDER'S CERTIFICATE**

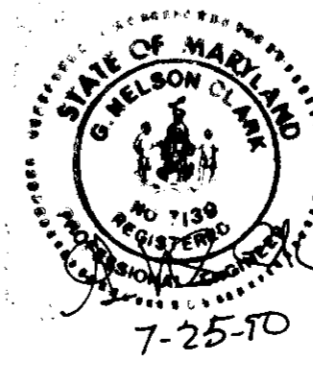
I hereby certify that all development and construction will be done according to the plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize signage on site inspection by the Howard Soil Conservation District as may be deemed appropriate or as required necessary.

*Paul G. Cooper* 7/25/90  
Signature of Developer/Builder

**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 and conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*G. Nelson Clark* 7-25-90  
Signature of Engineer



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	DATE
<i>Joseph M. ...</i>	11-21-90
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	DATE
<i>James M. Nelson</i>	12/14/90
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE
<i>James M. Nelson</i>	1/26/91
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	DATE
<i>James M. Nelson</i>	11/14/90
CHIEF BUREAU OF ENGINEERING	DATE
<i>James M. Nelson</i>	11/14/90

Reviewed for HOWARD COUNTY S.C.D. and meets Technical Requirements  
*James M. Nelson* 10/17/90  
Signature of U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.  
*James M. Nelson* 10/17/90  
Signature of District Director

No.	REVISIONS	Date
1	Rev hse and grd. lot 94	7-16-91