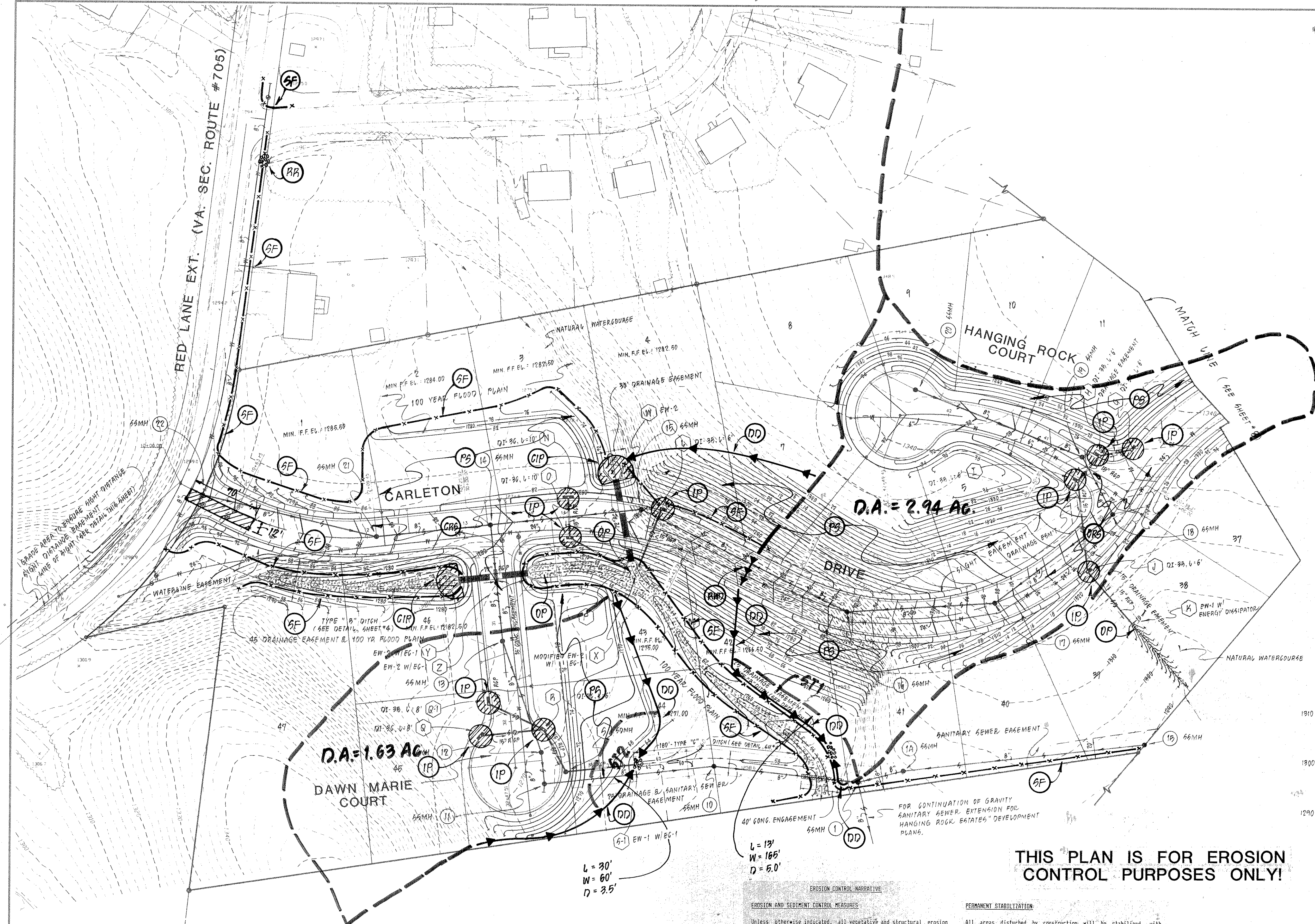
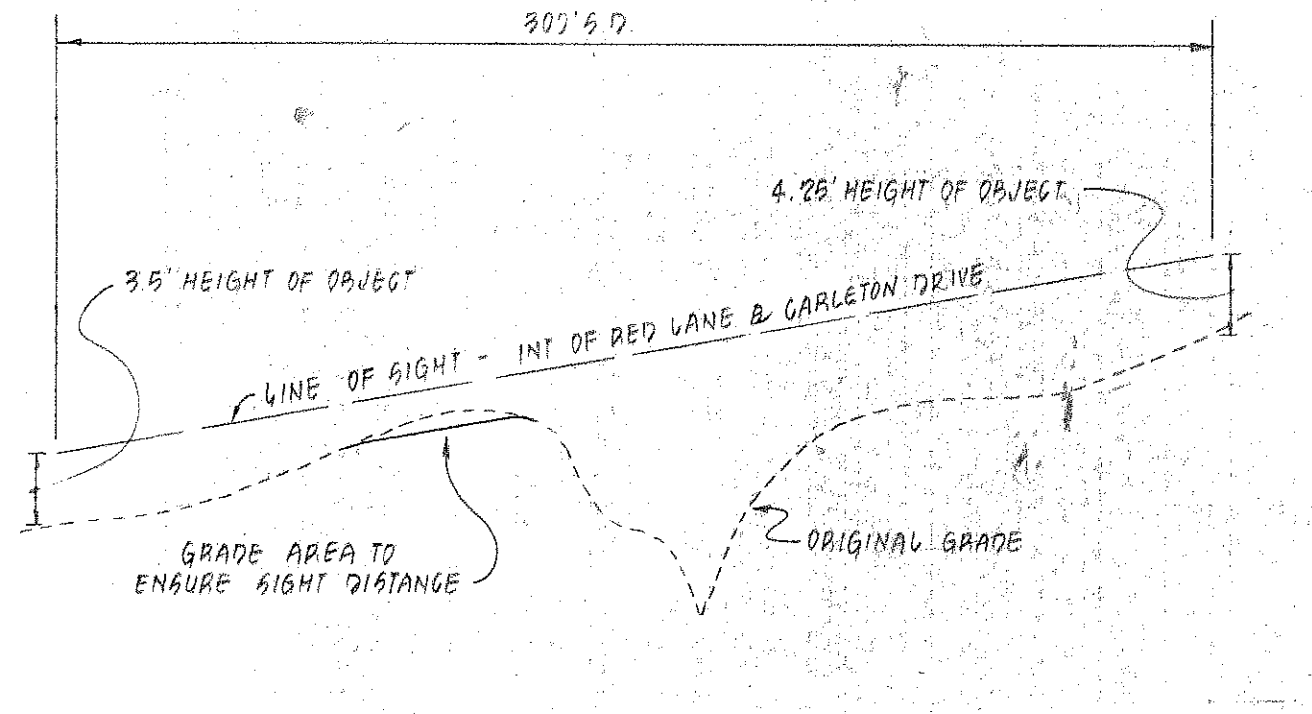




LEGEND

EXISTING	PROPOSED	
		STORM DRAIN LINE
		SANITARY SEWER LINE
		WATER LINE
		PAVEMENT
		CONCRETE CURB & GUTTER
		BLOW-OFF
		GATE VALVE
		CLEAN-OUT
		SINGLE WATER METER
		DOUBLE WATER METER
		DROP INLET
		MANHOLE
		FIRE HYDRANT ASSEMBLY
		CONTOURS

- CONSTRUCTION PHASING:
1. INSTALL CONSTRUCTION ENTRANCE.
 2. SILT FENCE SHALL BE INSTALLED TO PROTECT BOTH NATURAL DRAINAGE CHANNELS PRIOR TO ANY GRADING OPERATIONS.
 3. THIS SILT FENCE SHALL BE REGULARLY INSPECTED AND MAINTAINED TO INSURE PROPER CHANNEL PROTECTION.
 4. BEGINNING AT THE DOWNSTREAM END OF THE CHANNEL, THE RELOCATED CHANNEL BEDS SHALL BE GRADED AND STABILIZED WITH CLASS I RIP-RAP, AND THE PIPE CULVERTS PROPERLY INSTALLED AND BACKFILLED PRIOR TO THEIR CONNECTION TO THE NATURAL CHANNELS.
 5. DURING STREAM RELOCATION AND INSTALLATION OF THE PIPE CULVERTS, DIVERSION CHANNEL CROSSINGS (VA EROSION CONTROL HANDBOOK STD #3.25, UTILITY STREAM CROSSING) SHALL BE UTILIZED WHERE NECESSARY TO MINIMIZE THE AMOUNT OF SEDIMENTATION IN THE CHANNEL.
 6. SILT FENCE SHALL BE INSTALLED AT THE EDGE OF THE CLASS I RIP-RAP ALONG THE NEW CHANNELS PRIOR TO THEIR CONNECTION TO THE NATURAL CHANNELS.
 7. NEW CHANNELS SHALL BE CONNECTED TO THE NATURAL CHANNELS, AND THE DISTURBED CHANNEL AREA STABILIZED WITH CLASS I RIP-RAP AS QUICKLY AS POSSIBLE TO AVOID SEDIMENTATION.
 8. INSTALL REMAINING SILT FENCE.
 9. INSTALL REMAINING STORM DRAIN PIPING AND RELATED EROSION CONTROL DEVICES.
 10. INSTALL SEDIMENT BASIN, SEDIMENT TRAPS, AND DIVERSION DIKES. MAINTENANCE OF THESE ITEMS IS OF EXTREME IMPORTANCE. DOWNSTREAM SITUATION CANNOT BE TOLERATED.
 11. CONTINUE CUT AND FILL OPERATION. EROSION CONTROL DEVICES MUST BE ADJUSTED ACCORDINGLY AS THE FILL IS PLACED.
 12. SEDIMENT TRAP #1 SHALL REMAIN UNDISTURBED UNTIL FINAL GRADING IS BEING COMPLETED. SUFFICIENT FILL MATERIAL SHALL BE STORED ON THE PUMP STATION LOT TO BRING THE PUMP STATION TO FINISHED GRADE. DURING THE FINAL STAGES OF GRADING, SEDIMENT TRAP #1 SHALL BE PHASED OUT AS THE PUMP STATION IS BROUGHT TO FINISHED GRADE.
 13. ALL SLOPES SHALL BE STABILIZED, AND CONSTRUCTION ROAD STABILIZATION INSTALLED AS SOON AS POSSIBLE.



THIS PLAN IS FOR EROSION CONTROL PURPOSES ONLY!

LINE OF SIGHT DETAIL
SCALE: 1" = 50' HORIZ
1" = 10' VERT

BENCHMARK:
P.R. NAIL IN CITY OF SALEM POLE # 3137-4041. ELEV. = 1176.73

- NOTES:
1. THE LOCATION OF ALL OFF-SITE FILL AREAS OR BORROW AREAS ASSOCIATED WITH THIS CONSTRUCTION PROJECT WILL BE PROVIDED TO THE ROANOKE COUNTY ENGINEERING AND INSPECTIONS DEPARTMENT. AN EROSION AND SEDIMENT CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THESE AREAS.
 2. SEE SHEET 16 FOR EROSION CONTROL LEGEND.

EROSION CONTROL NARRATIVE

EROSION AND SEDIMENT CONTROL MEASURES

Unless otherwise indicated, all vegetative and structural erosion and sediment control practices will be constructed and maintained according to minimum standards and specifications of the Virginia Erosion and Sediment Control Handbook.

Management strategies

1. Construction should be sequenced so that grading operations can begin and end as quickly as possible.
2. Sediment trapping measures shall be installed as a first step in grading and shall be seeded and mulched immediately following installation.
3. Temporary seeding or other stabilization shall follow immediately after grading.
4. Areas which are not to be disturbed shall be clearly marked.
5. Field inspections during construction may require additional erosion and sediment control measures.
6. The developer shall be responsible for the installation and maintenance of all erosion and sediment control practices.

PERMANENT STABILIZATION

All areas disturbed by construction will be stabilized with permanent seeding immediately following finish grading. Seeding will be done according to standard and specification 1.64 of the Virginia Erosion and Sediment Control Handbook. Permanently seeded areas shall be protected during establishment with straw mulch.

MAINTENANCE

In general, all erosion and sediment control measures will be checked weekly and after each significant rainfall. The following items will be checked in particular:

1. All sediment trappings will be checked regularly for necessary sediment removal.
2. All storm drain inlets and outlets will be checked regularly for sediment buildup.
3. All silt barriers will be checked regularly for undermining or deterioration.
4. All seeded areas will be checked regularly to see that good stabilization is maintained. Areas should be fertilized and reseed as needed.

REVISION	DATE	DESCRIPTION
3	1-19-96	REVISED LOT, DAWN MARIE COURT, GRADING & STORM DRAINAGE.
2	9/21/95	REVISED STRUCTURE "Y" & "Z" TO MATCH PROFILE
1	6/29/95	ADDED SIGHT DISTANCE BASEMENT ON RED LANE
DESCRIPTION		
DESIGNED WAS GAM		
DRAWN RAG		
CHECKED MSW		
EROSION CONTROL PLAN FOR "HANGING ROCK ESTATES"		
PREPARED FOR J. ROBERT CARLTON		
CATAWBA MAGISTERIAL DISTRICT ROANOKE COUNTY, VIRGINIA		
PC-6298		
LUMSDEN ASSOCIATES, P.C. ENGINEERS-SURVEYORS-PLANNERS ROANOKE, VIRGINIA		
SCALE: 1" = 50'		COMM: #94-959
DATE: 28 JUNE 1995		SHEET 13 of 19

