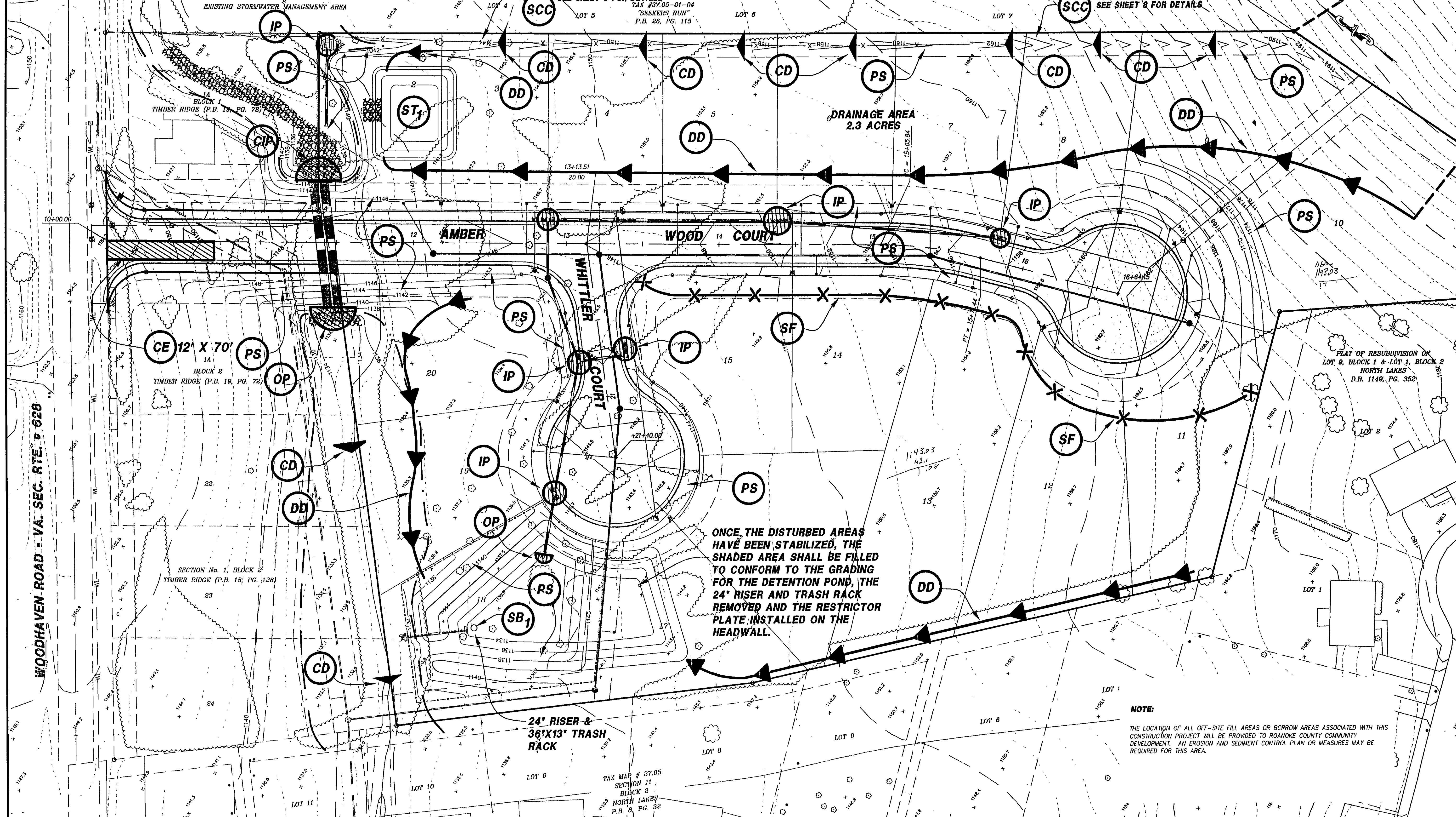




LEGEND		
ITEM	EXISTING	PROPOSED
Pavement	---	---
Curb & Outlet	---	---
Sanitary Sewer Manhole	⊙	⊙
Sanitary Sewer Line	---	---
Sanitary Sewer Cleanout	⊙	⊙
Waterline	---	---
Blow-Off	⊙	⊙
Air Release Valve	⊙	⊙
Fire Hydrant	⊙	⊙
Double Water Service Meter	⊙	⊙
Storm Drain Line	---	---
Storm Drain Drop Inlet	⊙	⊙
Contours	---1020---	---1020---

EROSION CONTROL NARRATIVE

PROJECT DESCRIPTION

THIS PROJECT CONTAINS 6.24 ACRES AND INCLUDED THE CONSTRUCTION OF APPROXIMATELY 710 LINEAR FEET OF STREET AND THE INSTALLATION OF WATER, SANITARY SEWER AND STORM DRAIN SYSTEMS NECESSARY TO SUPPORT 18 SINGLE FAMILY DETACHED DWELLINGS.

EXISTING SITE CONDITIONS

THE SITE IS GENTLY SLOPING AND GENERALLY DRAINS IN A WESTERLY DIRECTION TO A NATURAL WATERCOURSE ALONG THE NORTHWESTERLY BOUNDARY OF THE SITE.

ADJACENT AREAS

THIS SITE IS BORDERED ON THE NORTHWEST, NORTHEAST AND SOUTHWEST BY EXISTING RESIDENTIAL DEVELOPMENT. PROPERTY TO THE SOUTHWEST IS CURRENTLY VACANT.

OFF-SITE AREAS

NO OFF-SITE FILL OR BORROW SITES ARE COVERED BY THIS EROSION AND SEDIMENT CONTROL PLAN.

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.

EROSION AND SEDIMENT CONTROL MEASURES CONTINUED:

CONSTRUCTION ENTRANCE (3.02) - A STONE CONSTRUCTION ENTRANCE WILL BE INSTALLED TO MINIMIZE THE AMOUNT OF MUD TRANSPORTED INTO EXISTING ROADS.

SILT FENCE (3.05) - SILT FENCE WILL BE INSTALLED ALONG THE DOWNHILL SIDE OF PROPOSED CUT AND FILL AREAS TO INTERCEPT SEDIMENT LADEN RUN-OFF PRIOR TO EXITING THE SITE.

INLET PROTECTION (3.07) - INLET PROTECTION WILL BE INSTALLED AT EACH STORM DRAIN INLET TO MINIMIZE THE AMOUNT OF SEDIMENT LADEN RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.

CULVERT INLET PROTECTION (3.08) - CULVERT INLET PROTECTION WILL BE INSTALLED AT THE INLET END OF CULVERTS TO MINIMIZE LADEN RUNOFF FROM ENTERING THE CULVERT.

TEMPORARY DIVERSION DIKE (3.09) - A TEMPORARY DIVERSION DIKE WILL BE CONSTRUCTED TO DIVERT STORM RUNOFF FROM UPSLOPE DRAINAGE AREAS AWAY FROM UNPROTECTED DISTURBED AREAS.

TEMPORARY SEDIMENT TRAP (3.13) - A TEMPORARY SEDIMENT TRAP WILL BE CONSTRUCTED TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS LONG ENOUGH TO ALLOW THE MAJORITY OF THE SEDIMENT TO SETTLE OUT.

TEMPORARY SEDIMENT BASIN (3.14) - A TEMPORARY SEDIMENT BASIN WILL BE CONSTRUCTED TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS IN WET AND DRY STORAGE LONG ENOUGH FOR THE MAJORITY OF THE SEDIMENT TO SETTLE OUT.

OUTLET PROTECTION (3.18) - OUTLET PROTECTION WILL BE INSTALLED AT THE OUTLET ENDS OF ALL CULVERT AND STORM DRAIN SYSTEMS TO PREVENT SCOUR AND DOWNSTREAM EROSION.

ROCK CHECK DAMS (3.20) - ROCK CHECK DAMS WILL BE INSTALLED IN THE NATURAL WATERCOURSE TO TRAP SEDIMENT GENERATED FROM ADJACENT AREAS.

PERMANENT STABILIZATION - ALL AREAS ON-SITE WHICH WILL NOT RECEIVE BUILDINGS OR PAVEMENT MUST RECEIVE PERMANENT SEEDING AS SOON AS THOSE AREAS REACH FINAL GRADE. FOR PERMANENT SEEDING SPECIFICATIONS, PLEASE SEE SHEET 9.

STORMWATER MANAGEMENT - THE DEVELOPMENT OF THIS PROPERTY WILL RESULT IN A NET INCREASE IN RUNOFF. A DETENTION POND WILL BE CONSTRUCTED IN THE NORTHEASTERN PORTION OF THE SITE. DESIGN CALCULATIONS FOR THIS FACILITY HAVE BEEN PREVIOUSLY SUBMITTED.

MAINTENANCE

THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES. FIELD INSPECTIONS DURING CONSTRUCTION MAY REQUIRE ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL, IN PARTICULAR:

- THIS ROCK CHECK DAMS WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP. IF REQUIRED, THE SEDIMENT SHALL BE REMOVED AND THE STONE CLEANED OR REPLACED.
- OUTLET PROTECTION WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF STONE IS CLOGGED BY SEDIMENT, IT WILL BE REMOVED OR REPLACED.

- 3.** THE SILT FENCE WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT BUILDUP REACHES THE MIDWAY POINT OF THE SILT FENCE.
- 4.** ALL SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND OF GRASS IS MAINTAINED. AREAS SHALL BE FERTILIZED AND RESEDED AS REQUIRED TO ACHIEVE A GOOD STAND OF GRASS.
- CONSTRUCTION SEQUENCE:**
- THE CONSTRUCTION ENTRANCE, SEDIMENT BASIN, SEDIMENT TRAP, SILT FENCE AND DIVERSION DIKES SHALL BE INSTALLED AS THE FIRST STEP IN THE CONSTRUCTION PROCESS.
 - INLET PROTECTION AND OUTLET PROTECTION SHALL BE INSTALLED ALONG WITH THE STORM DRAIN AND CULVERT INSTALLATION.
 - ONCE SITE HAS BEEN BROUGHT TO FINAL GRADE, THOSE AREAS THAT ARE NOT TO RECEIVE BUILDINGS OR PAVEMENT SHALL BE SEEDING IN ACCORDANCE WITH THE PERMANENT SEEDING SPECIFICATIONS.

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY.

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THOMAS C. DALE
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1/21/04
PROFESSIONAL ENGINEER

SECTION No. 2
TIMBER RIDGE
PREPARED FOR
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CATAWBA MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

REVISIONS		DATE		DESCRIPTION	
NO.	DATE	NO.	DATE	NO.	DATE
1		2		3	
4		5			

DATE: 21 JANUARY 2004
SCALE: 1" = 30'
COMMISSION NO: 03-167
CADD FILE: 030103167EN04SHEETCOMP
SHEET 10 OF 11