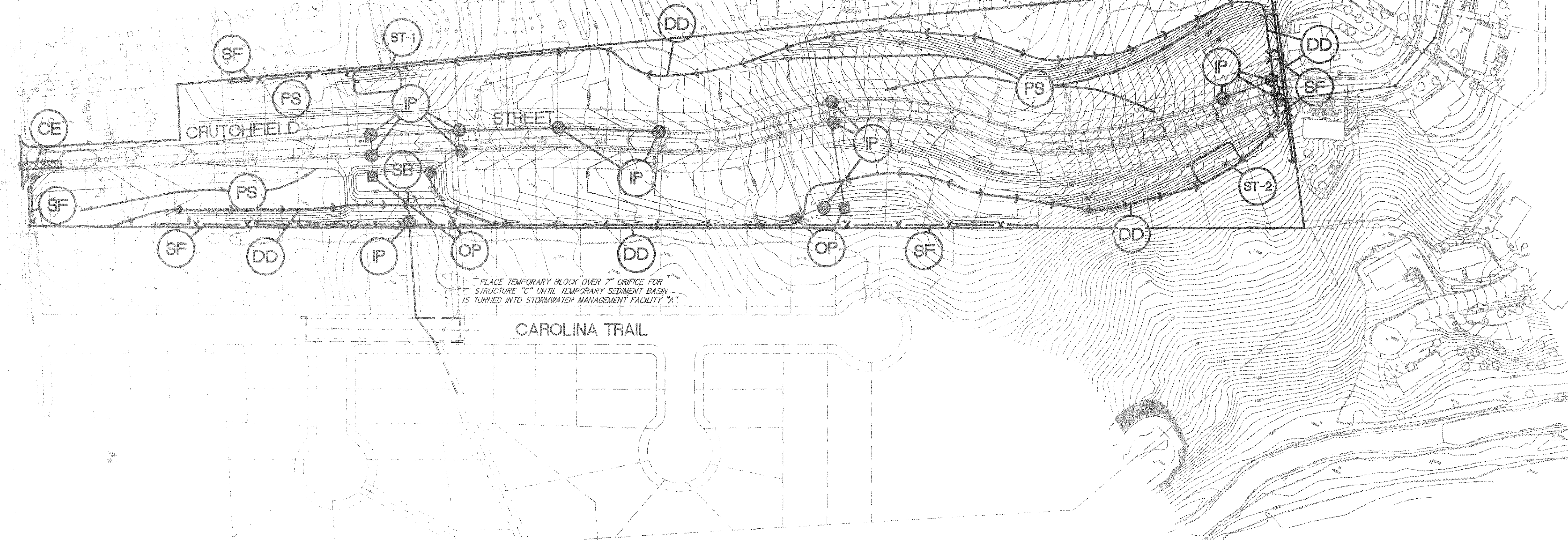


HOLLINS ROAD



CONSTRUCTION SEQUENCE

1. INSTALL CONSTRUCTION ENTRANCE.
2. INSTALL STORM DRAIN FROM STRUCTURE "C" TO THE EXISTING DROP INLET.
3. INSTALL SEDIMENT BASIN, SEDIMENT TRAPS, SILT FENCE AND DIVERSIONS.
4. INSTALL WATER, SANITARY SEWER AND THE REMAINDER OF THE STORM DRAIN SYSTEMS AS GRADING PERMITS.
5. PERFORM PERMANENT SEEDING ON ALL AREAS NOT RECEIVING PAVEMENT AS SOON AS THOSE AREAS ARE BROUGHT TO FINAL GRADE.
6. ONCE SITE IS STABILIZED, TEMPORARY ESC MEASURES MAY BE REMOVED AND TEMPORARY SEDIMENT BASIN TURNED INTO STORMWATER MANAGEMENT AREA "A".

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION
 THIS PROJECT CONSISTS OF THE CONSTRUCTION OF 50 SINGLE FAMILY LOTS, 2200 LF OF ROADWAY, AND ASSOCIATED STORM DRAIN, WATER AND SANITARY SEWER SYSTEMS.

EXISTING SITE CONDITIONS
 THIS SITE IS BOTH MODERATELY SLOPING AND WOODED. MOST OF THE SITE DRAINS TO THE NORTH, WHILE A PORTION DRAINS TO AN EXISTING SINKHOLE LOCATED OFFSITE TO THE SOUTH.

ADJACENT AREAS
 THIS PROPERTY IS BOUNDED TO THE SOUTH AND WEST BY THE EXISTING NORTH ARDMORE AND BRYANT HEIGHTS SUBDIVISIONS, TO THE NORTH BY EXISTING AND PROPOSED SECTIONS OF THE BELLE GROVE SUBDIVISION, AND TO THE EAST BY HOLLINS ROAD.

OFFSITE AREAS
 THE LOCATION OF ALL OFFSITE FILL OR BORROW AREAS ASSOCIATED WITH THE CONSTRUCTION PROJECT WILL BE PROVIDED TO ROANOKE COUNTY COMMUNITY DEVELOPMENT. AN EROSION AND SEDIMENT CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THIS AREA.

EROSION AND SEDIMENT CONTROL MEASURES
CONSTRUCTION ENTRANCE (3.02) - A STONE CONSTRUCTION ENTRANCE WILL BE INSTALLED TO MINIMIZE THE AMOUNT OF MUD TRANSPORTED INTO EXISTING HOLLINS ROAD.

SILT FENCE (3.08) - SILT FENCE WILL BE INSTALLED AT THE LOWER ENDS OF THE PROJECT SITE TO INTERCEPT SEDIMENT LADEN RUN-OFF PRIOR TO EXITING THE SITE.

STORM DRAIN INLET PROTECTION (3.02) - WILL BE INSTALLED TO INTERCEPT SEDIMENT LADEN RUN-OFF PRIOR TO ENTERING THE STORM DRAIN SYSTEM.

DIVERSION DIKE (3.12) - DIVERSION DIKES WILL BE UTILIZED TO DIVERT RUN-OFF INTO THE SEDIMENT TRAPS.

SEDIMENT TRAP (3.13) - SEDIMENT TRAPS WILL BE INSTALLED TO DETAIN SEDIMENT LADEN LONG ENOUGH TO ALLOW THE MAJORITY OF THE SEDIMENT TO SETTLE OUT.

OUTLET PROTECTION (3.18) - OUTLET PROTECTION WILL BE INSTALLED ON THE OUTLET ENDS OF STORM DRAIN PIPES TO HELP REDUCE DOWNSTREAM EROSION AND TO PROTECT THE OUTLET STRUCTURE.

PERMANENT STABILIZATION
 ALL AREAS ONSITE 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 12 OF 12.

STORMWATER MANAGEMENT
 THE DEVELOPMENT OF THIS SITE RESULTS IN AN INCREASE IN PEAK RUN-OFF RATES. HOWEVER, THE INCREASE IN RUN-OFF FROM THE DEVELOPMENT OF THIS SITE WILL BE ACCOUNTED FOR WITH THE STORMWATER MANAGEMENT FACILITY LOCATED ONSITE. PLEASE SEE THE STORMWATER MANAGEMENT CALCULATIONS.

MAINTENANCE
 ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL. IN PARTICULAR:

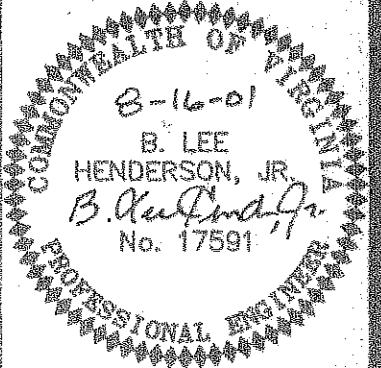
1. THE SEDIMENT TRAP WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP. CLEAN OUT AS NECESSARY TO MAINTAIN DESIGN VOLUMES.
2. OUTLET PROTECTION WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF STONE IS CLOGGED BY SEDIMENT, IT WILL BE REMOVED AND CLEANED OR REPLACED.
3. THE 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 SEEDING AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND OF GRASS IS MAINTAINED. AREAS SHALL BE FERTILIZED AND RESEEDING AS REQUIRED TO ACHIEVE A GOOD STAND OF GRASS.

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY

LUMSDEN ASSOCIATES, P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 ROANOKE, VIRGINIA

4664 BRAMBLETON AVENUE
 P.O. BOX 20669
 ROANOKE, VIRGINIA 24018

PHONE (540) 774-4411
 FAX (540) 772-9445
 E-MAIL LUMSDENPC@AOL.COM



EROSION AND SEDIMENT CONTROL PLAN

"THE VILLAGE AT HOLLINS"
 PREPARED FOR
THE VILLAGE AT HOLLINS, LLC
 HOLLINS MAGISTERIAL DISTRICT
 ROANOKE COUNTY, VIRGINIA

NO.	DATE	DESCRIPTION
1	8/18/99	ORIG. DRAWING FROM STA. #100 TO #200
2		
3		
4		
5		

DATE: **FEBRUARY 2, 2001**

SCALE: **1" = 100'**

COMMISSION NO: **99-339AD**

DRAWN BY: **SP/199139AD/SS/02/DW/3**

SHEET 11 OF 13