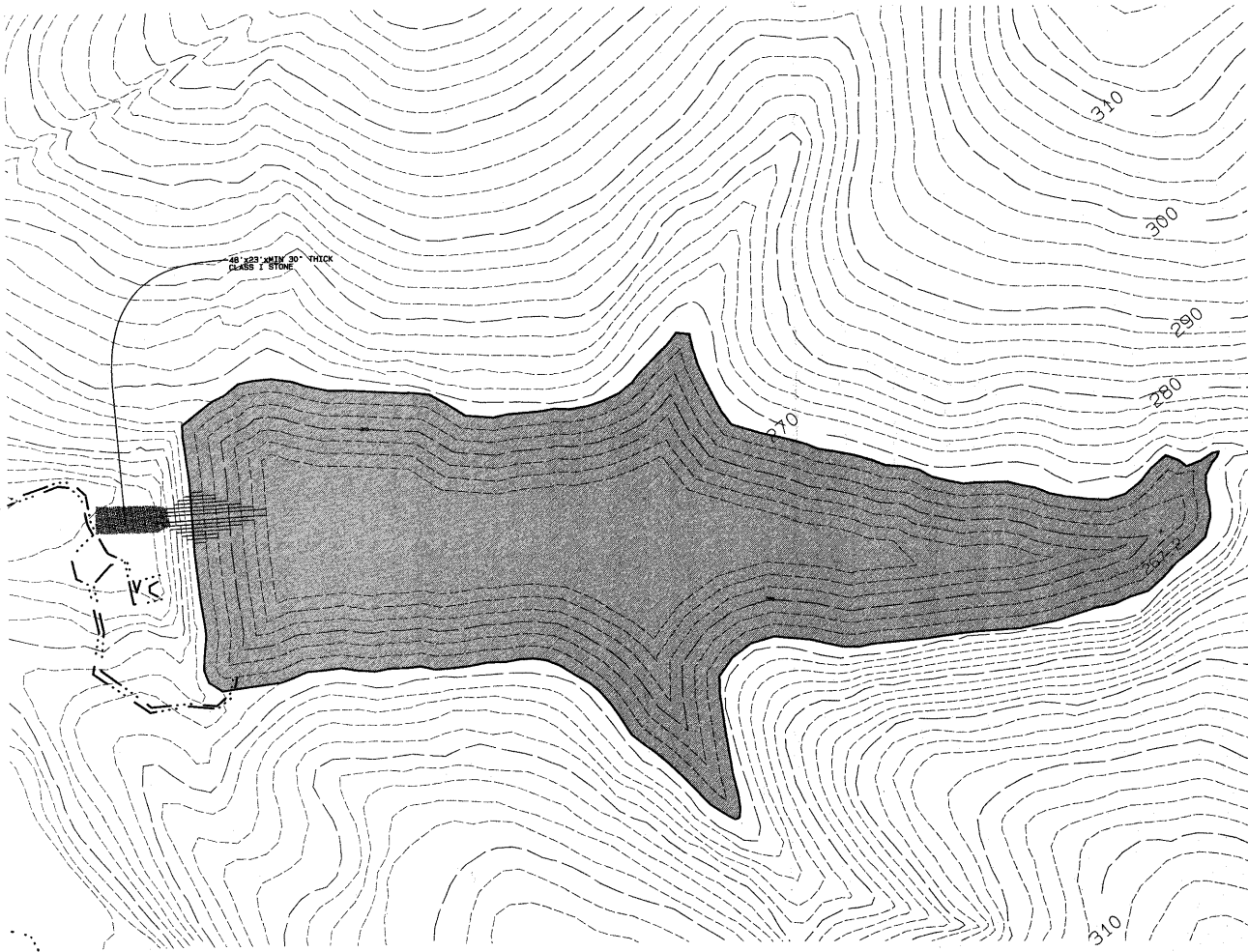
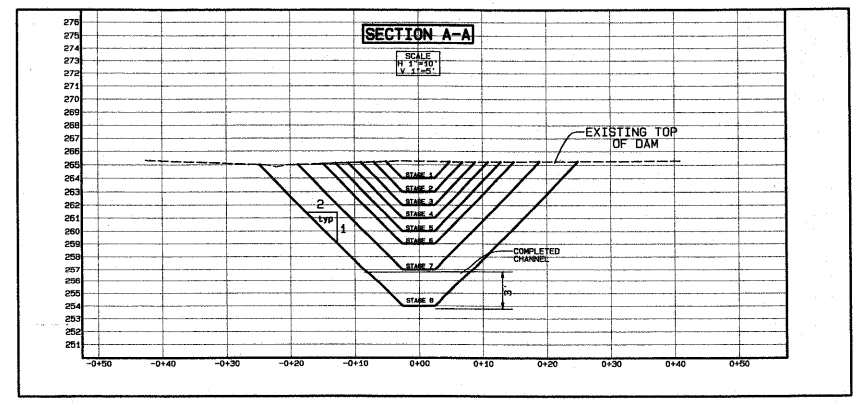
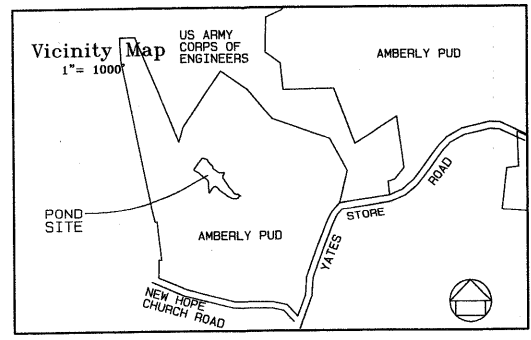
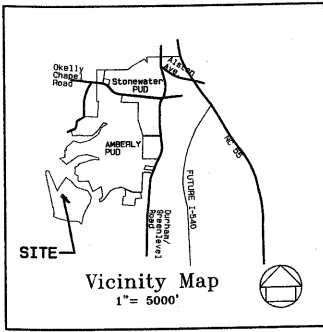


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SEEDING SCHEDULE

SHOULDER, SIDE DITCHES, SLOPES (MAX. 2:1)
 DATE, TYPE, PLANTING RATE
 MAR. 15 - NOV. 1 TALL FESCUE 300 LBS/ACRE
 NOV. 1 - MAR. 1 TALL FESCUE 300 LBS/ACRE
 2 ANNUIZE ONE 25 LBS/ACRE
 MAR. 1 - APR. 15 TALL FESCUE 300 LBS/ACRE
 JUL. 1 - SEP. 15 TALL FESCUE AND 150 LBS/ACRE
 44#BONAPARTE WILLET 50 LBS/ACRE
 44#SR SOYBEAN-GLIUM HYBRID 30 LBS/ACRE
 SHOULDER, SIDE DITCHES, SLOPES (2:1 TO 2:1)
 DATE, TYPE, PLANTING RATE
 MAR. 1 - JUN. 1 SERTICEA LESPEDESA (SCRIFIFIED) 50 LBS/ACRE
 JUN. 1 - APR. 15 ADD TALL FESCUE 120 LBS/ACRE
 JUN. 1 - JUN. 30 ADD KEEPING LOVEGRASS 30 LBS/ACRE
 JUN. 1 - SEP. 1 44#TALL FESCUE AND 120 LBS/ACRE
 44#SR SOYBEAN-GLIUM HYBRID 30 LBS/ACRE
 SEP. 1 - MAR. 1 SERTICEA LESPEDESA (UNANNUZED-UNSCRIFIFIED) 70 LBS/ACRE
 JUN. 1 TALL FESCUE 150 LBS/ACRE
 NOV. 1 - MAR. 1 ADD ANNUIZE ONE 25 LBS/ACRE
 CONSIDER SODIUM CHLORIDE OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF SOILED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS. OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.
 ANTI-TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12-INCHES IN HEIGHT BEFORE REMOVAL, OTHERWISE FESCUE MAY BE SHADDED OUT.

SEEDBED PREPARATION

- 1) OTHER COMPACTED AREAS AND OVERHEAD TOPSOIL 3 INCHES DEEP (DOES NOT INCLUDE SOIL CONDITIONS IF THEY OCCUR AFTER ALL ROUGH GRADING) OF ALL TILL SOIL AREAS TO BE SEEDING AND PLANTED TO A DEPTH OF FIVE INCHES.
- 2) REMOVE ALL LOOSE ROCKS, ROOTS, STUMP CLOSURE AND OTHER OBSTRUCTIONS LEAVING GROUND SURFACE SMOOTH AND UNIFORM.
- 3) IN PREVIOUS WORKING SEASONS, INCORPORATE AGRICULTURAL LINE FERTILIZER AND SUPERPHOSPHATE INTO SOIL AREAS TO BE VEGETATED. OTHER NUTRIENTS IN SOIL UNTIL WELL FURNISHED.
- 4) REED ON PREPARED SEEDBED AND COVER LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK. APPLY TEMPORARY SEEDING TO SOIL STOCKPILE AREAS THAT WILL BE RESTORED WITHIN 30 DAYS. APPLY PERMANENT SEEDING TO FINISH GRADES ARE ESTABLISHED.
- 5) MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR WITH LIQUID ASPHALT AT 400 GALLONS/ACRE OR EMULSIFIED ASPHALT AT 300 GALLONS/ACRE.
- 6) MULCH ALL SEEDED AREAS WITH SMALL GRAIN STRAW AT 80 LBS./1000SQF AND SPREAD UNIFORMLY. GROUND SURFACE SHOULD BE VISIBLE TO ALLOW SUNLIGHT PENETRATION.
- 7) MULCH AROUND SHRUBBERY AND TREES WITH SHREDED HAYWOOD TO A DEPTH OF 3 INCHES.

NOTE:
 CONTOURS SHOWN ABOVE NORMAL POOL ARE DERIVED FROM AERIAL TOPOGRAPHY. CONTOURS BELOW NORMAL POOL ARE ASSUMED PENDING FIELD SURVEY.

DAM BREACH CONSTRUCTION SEQUENCE

- 1 CONTACT GEOTECHNICAL ENGINEER PRIOR TO BREACH
- 2 NOTIFY TOWN OF CARY EROSION CONTROL OFFICER (TOM HOTTSTAND) @ 919-465-4347 AND DAM SAFETY ENGINEER (EITHER MAX FOWLER OR TAMM IDOL) AT (919) 733-4574 24 HOURS IN ADVANCE OF BREACH.
- 3 INSTALL 43"x17" MIN, 18" THICK CLASS 1 STONE RIPRAP DISSIPATOR ALONG DOWNSTREAM CHANNEL.
- 4 CUT 1 FOOT SECTION INTO DAM AT LOCATION SHOWN TO ALLOW POND LEVEL TO DRAIN COMPLETELY.
- 5 CONTINUE CUTTING 1' SECTIONS AS SHOWN IN THE DETAIL ALLOWING POND TO DRAIN COMPLETELY AT EACH ELEVATION.
- 6 ONCE THE 264' ELEVATION IS REACHED, THE REMAINDER OF THE POND MAY BE DRAINED BY CUTTING A V-SECTION DOWN TO THE POND BOTTOM OR LEFT TO EVAPORATE.
- 7 UPON COMPLETION OF DRAINING OPERATIONS, SHAPE THE 5' MIN. WIDTH TRAPEZOIDAL CHANNEL AS SHOWN IN THE DETAIL ABOVE.

03-60-012
 APPROVED
 Tamm of Cary
 DEC. 3-2-04
 RWB
 8-2-04
 TS
 8-20-04

GRAPHIC SCALE 1"=50'
 0 50 100 150

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AMBERLY SF-3 POND
 BMP Pond
 Dam Breaching Plan
 Cary, NC
 Sandler at Amberly, Suite 220
 448 Viking Drive, Virginia Beach, Virginia 23462

REVISIONS
 Project #: 1234 Date: Oct 7, 2003
 Drawn by: TS Checked by: JMS
 TITLE
 For Reference Only
 Dam Breaching Plan
 SHEET
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