January 24, 2020

Re: Proposed Alamance Quarry and Construction Materials Quarry-
Comment Responses to the NC DEQ letter dated 1/9/2020

1. Provide proof that your company has obtained buffer authorization from the Division of Water Resources for impacts to the buffer from the access road and fencing.
   Paul Stimpson coordinated with Sue Homewood, DWR on 1/22/20; the perimeter security fencing will be exempt because trees will not be cut in the areas of the stream buffer. The perimeter security fencing will be meandered as needed. A note has been added on sheet C301E that no trees will be cut where the perimeter security fencing is within a stream buffer area.

2. Provide details on the installation of the arch culvert installation and the work across the stream to prevent sedimentation during installation and construction.
   Paul Stimpson coordinated with Tamara Eplin on 1/21/20. The construction sequence for the Arch span culvert has been updated, on sheet C301B, to include the temporary culvert equipment crossing on the west side of the proposed arch culvert. Also, a detail for the temporary culvert equipment crossing has been added to sheet C301B.

3. Show the sediment baffle placement on the plans indicative of field conditions. Proper baffle placement in the basins affects the desired volume between baffles and allows access for maintenance.
   Paul Stimpson coordinated with Tamara Eplin on 1/21/20. The skimmer basin detail has been modified on sheet C502 to adjust the baffle spacing for 25% increments. The baffle placement for each skimmer basin has been modified on plan sheet C302. Also, construction specifications and maintenance information for the porous baffles has been added to sheet C502.

   The following sheets were revised to incorporate comments from the 1/9/20 letter: C201, C202, C203, C301, C301B, C301E, C302, C303 and C502.

Respectfully submitted,

LABELLA ASSOCIATES, P.C.

Paul A. Stimpson, PE

Civil Group Leader
ALAMANCE QUARRY & CONSTRUCTION
MATERIALS
342 CLARK ROAD
SNOW CAMP, NC 27349
ALAMANCE COUNTY, NC

LOCATION MAP
SCALE: NTS

SHEET INDEX
COVER SHEET
C101 EXISTING CONDITIONS
C201 MINE MAP
C202 PLANT AND STOCKPILE PLAN
C203 MINE PLAN
C204 RECLAMATION PLAN
C301 OVERALL SEDIMENTATION & EROSION CONTROL PLAN
C301A – C301F 1"=60' EROSION CONTROL PLANS
C302 SKIMMER BASIN GRADING
C303 ENTRANCE ROAD PLAN AND PROFILE
C304 DRAINAGE AREAS
C305 PARKING AND ENTRANCE ROAD DETAILS
C401 SITE DETAILS
C402 SITE DETAILS
C403 SITE DETAILS
C501 EROSION AND SEDIMENT CONTROL DETAILS
C502 EROSION AND SEDIMENT CONTROL DETAILS

SITE DEVELOPER/OWNER
ALAMANCE AGGREGATES, LLC

LaBella
Powered by partnership.
615 St. George Square
Suite 300
Winston-Salem, NC 27106
336-842-4065
C40430
labellapc.com
PROJECT NO: 2190335
<table>
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<th>Channel Number</th>
<th>Description</th>
<th>Max. Bed Depth (ft)</th>
<th>Side Slope (V:1H)</th>
<th>Bottom Width (ft)</th>
<th>Discharge (kcf)</th>
<th>Inlet Installation Method</th>
<th>Outlet Installation Method</th>
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**CHANNEL STABILIZATION SCHEDULE**

**PIPE OUTLET TO SLAT AREA AND WELL-DEFINED CHANNEL**

**SITE DETAILS**

**ALAMANCE AGGREGATES, LLC**

**Mr. Chad Thrall, VP**

Snow Camp Mine
**TEMPORARY SEEDING**

**Definition:** Planting rapid-growing summer annuals, small grains, or grasses to provide surface cover for control of soil loss.

**Purpose:** To temporarily stabilize disturbed areas that need not be brought to full grade for residential or commercial use. Temporary seeding is used to minimize soil erosion, retain moisture, and provide early use and development potential. Temporary seeding is primarily used on non-developed sites, roadsides, construction areas, and soil loss prevention to control erosion in environmentally sensitive areas.

**Conditions Applicable:**
- Areas subject to surface disturbance
- Areas where erosion control is necessary
- Areas that require early use and development potential

**Planning Considerations:**
- Suitable species should be selected for the specific needs of the area
- Seed mixtures should be selected based on soil type, climate, and use
- Maintenance practices should be planned to ensure long-term effectiveness

<table>
<thead>
<tr>
<th>Table 1 to 6: Temporary Seeding Recommendations for Winter and Early Spring</th>
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<tr>
<td>Sandy Loam</td>
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**Seeding Dates:**
- Early Spring: Late March to Early April
- Winter: Early December to Late January

**Maintenance:**
- Mow or graze when seedlings become established
- Apply fertilizer as needed

**References:**

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**ALAMANCE AGGREGATES, LLC**
**Mr. Chad Threatt, VP**

**Snow Camp Mine**

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**EROSION AND SEDIMENT CONTROL DETAILS**

**C502**