1. AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL INVITE ALL
2. BEFORE IMPLEMENTING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS
3. THE FLOODPLAIN LIMITS SHOWN WITHIN SOUTH ANNVILLE TOWNSHIP WERE DIGITIZED FROM THE FEMA FLOOD
4. GENERAL EROSION AND SEDIMENTATION CONTROL NOTES
5. INSTALL TOE BENCHES ALONG LEFT BANK (STATION 5+38 - 5+88) AND RIGHT BANK (STATION 5+38 - 6+00) AS
6. MINIMUM 50-FOOT STREAM BANK BUFFER AREAS SHOULD BE MAINTAINED. WITHIN BUFFER AREAS, CLEARING, SOD
7. THE FLOODPLAIN LIMITS AND OTHER AREAS SHOWN ON THE PLACED FLOODPLANE MAPS, INCLUDING THE GENERAL
8. Rake all disturbed areas along banks and floodplain.
9. Upon completion of any revisions and recycling papers by the Project Manager, the Project Manager shall also submit a
10. APPLY MULCH OVER ALL DISTURBED FLOODPLAIN AND SLOPE AREAS.
11. THE CONTRACTOR SHALL PREPARE ALL MATERIALS FOR TRANSPORTATION AND DELIVERY Prior to 7:00 AM on the day of
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE WOODEN AND LOAM CONSTRUCTION ENTRANCES.
13. THE CONTRACTOR SHALL REMOVAL AND REPLACE THE ARMORED CONVEYOR BELTS AS NEEDED TO ENSURE A
14. Rake all disturbed areas along banks and floodplain.
15. APPLY MULCH OVER ALL DISTURBED FLOODPLAIN AND SLOPE AREAS.
16. REMOVE STABILIZED ROCK CONSTRUCTION ENTRANCES. BACKFILL AND STABILIZE ALL DISTURBED AREAS AS
17. Install Log-Boulder J-Hook (Station 31+50 - 31+95) and excavate scour pool and glide as shown in construction
drawings.
18. Install toe bench along left bank (Station 29+85 - 31+55) as shown in construction drawings and as directed in the field by
19. Grade the left bank (Station 30+00 - 31+60) as shown in construction drawings.
20. Install Log-Boulder J-Hook (Station 24+66 - 25+10) and excavate scour pool and glide as shown in construction
drawings.
21. Apply mulch over all disturbed floodplain and slope areas.
22. Install toe bench along right bank (Station 30+45 - 31+50) as shown in construction drawings and as directed in the field by
23. Install toe bench along right bank (Station 28+60 - 30+45) as shown in construction drawings and as directed in the field by
24. Install the step-pool series as shown in construction drawings and as directed in the field by the Project Manager.
25. Install toe benches along left bank (Station 5+38 - 5+88) and right bank (Station 5+38 - 6+00) as shown in construction
drawings and as directed in the field by the Project Manager.
26. Clear and grub to facilitate channel construction.
27. Excavate run, pool, and glide (Station 12+55 - 13+22.5) as shown in construction drawings.
28. Install toe benches along left bank (Station 24+00 - 24+50) and right bank (Station 24+00 - 24+50) as shown in
29. Install toe benches along left bank (Station 20+00 - 21+00) and right bank (Station 20+00 - 21+00) as shown in construction
drawings.
30. Install toe wood along right bank (Station 26+10 - 24+10) as shown in construction drawings and as directed in the field by
31. Install toe wood along right bank (Station 25+10 - 23+10) as shown in construction drawings and as directed in the field by
32. Supply all needed cut wood to the Project Manager.
33. Install the step-pool series as shown in construction drawings and as directed in the field by the Project Manager.
34. Install Log-Boulder J-Hook (Station 31+95 - 31+50) and excavate scour pool and glide as shown in construction
drawings.
35. APPLY MULCH OVER ALL DISTURBED FLOODPLAIN AND SLOPE AREAS.
36. APPLY MULCH OVER ALL DISTURBED FLOODPLAIN AND SLOPE AREAS.
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43. APPLY MULCH OVER ALL DISTURBED FLOODPLAIN AND SLOPE AREAS.
44. APPLY MULCH OVER ALL DISTURBED FLOODPLAIN AND SLOPE AREAS.
**Sediment Filter Bag Notes:**

1. Filter bags shall be made from non-woven, geotextile material woven with high tensile strength, stable threads of Type B flax. They shall be capable of trapping particles larger than 150 microns.

2. A suitable means of accessibility to the bag shall be provided for removal or replacement of those that have failed or are filled. The bag shall be located in well-vegetated (grassy) areas, and discharge onto stable, erosion resistant areas. Where this is not possible, a geotextile flow path shall be provided. bags shall not be placed on slopes greater than 5%.

3. The pump discharge hose shall be inserted into the bag in the manner specified by the manufacturer and secured temporarily.

4. The pump discharge hose shall be no greater than 70 psi or to the maximum specified by the manufacturer, whichever is less. Pump discharge should be floated and screened.

5. Filter bags shall be inspected daily. If any problems are detected, pumping shall cease immediately and not resume until the problem is corrected.

6. The pump discharge hose shall be inserted into the bag in the manner specified by the manufacturer and secured temporarily.
PLANT SCHEDULE FOR QUITTAPAHILLA WATERSHED

Zone 1 - Stream Banks

The container grown material below will be installed along the reconstructed banks from top of bank to a point six feet back from top of bank.

**Zone 1A - Foot Wood Areas**

Enlarged foot wood areas on the outside of graded banks will be established with live wood or bare root shrubs installed along the toe of the terrace to establish the reconstructed terraces. The preferred method for construction of the middle portion of the toe wood installation is a live bench where possible. The preferred method for construction of toe wood areas from the adjacent foundation.

Shrub carrs will be a mix of one species, with each species comprising no more than 50% and no less than 20% of the mix.

- **1B - Benches and Upper Banks**
  - Sandbar Willow 18 in Live Stakes
  - Silky Dogwood 18 in Live Stakes
  - Cercocarpus betuloides 18 in Live Stakes
  - Cornus sericea 18 in Live Stakes

- **1A - Toe Wood Areas**
  - American Elderberry 3-5 ft Container Grown
  - Silky Dogwood 3-5 ft Container Grown
  - Amelanchier canadensis 3-5 ft Container Grown
  - Corylus americana 3-5 ft Container Grown

**Zone 2 - Riparian Buffer Areas**

The reconstructed banks on the outside of graded banks will be stabilized with toe wood or toe benches along the reconstructed banks.

- **Zone 2B - Rear Yard Areas**
  - Eastern Red Cedar 7/8 ft Ball & Burlap/Container Grown
  - Blackhaw 18-24 in Container Grown
  - Possumhaw 18-24 in Container Grown
  - Redbud 6/7 ft Ball & Burlap/Container Grown
  - Flowering Dogwood 5/6 ft Ball & Burlap/Container Grown
  - Swamp Rose 18-24 in Container Grown
  - Serviceberry 2-3 ft Container Grown
  - Hazelnut 2-3 ft Container Grown

- **Zone 2A - Disturbed Forest Areas**
  - Magnolia virginiana
  - Cercis canadensis
  - Cornus florida
  - Viburnum prunifolium
  - Viburnum nudum
  - Rosa palustris
  - Alnus serrulata
  - Liriodendron tulipifera
  - Acer saccharinum
  - Platanus occidentalis
  - Laurus occidentalis
  - Acer saccharinum
  - Populus balsamifera
  - Salix sericea
  - Sambucus canadensis

- **Zone 3 - Refugia Areas**
  - Magnolia virginiana
  - Cercis canadensis
  - Cornus florida
  - Viburnum prunifolium
  - Viburnum nudum
  - Rosa palustris
  - Alnus serrulata

**Groundcover**

Seeding and mulching of all disturbed areas will be completed in accordance with the specifications and details outlined in the Temporary Erosion and Sediment Control Measures and Permanent Stabilization Specifications sections of this sheet.