

SPRING RUN – STREAMBANK RESTORATION PROJECT

BLAIR COUNTY, PENNSYLVANIA

Client: Blair County Conservation District, 1407 Blair Street, Hollidaysburg, PA 16648

Contact: James Eckenrode or Donna Fisher – 814-696-0877 x 5

Landowner: Sharon Ritchey

General and Item Notes

Work is to be done in accordance with the drawings and conditions contained in the permit.

Work cannot begin until all erosion and sediment control BMPs are in place.

Work is to be done during periods of low flow.

Any changes outside the scope of the provided design would need to be approved by the client.

Item #1 Mobilization and Demobilization – this item shall consist of mobilizing and demobilizing all of the required equipment, machinery, and supplies to construct this project as shown.

Item #2 E&S/ Final Stabilization – this item will include all necessary E&S controls to limit any sediment from leaving the site during and after the completion of the project. This may include but is not limited to soil stock pile protection, construction entrance, and final stabilization to original or better conditions.

Item #3 In-stream Diversion – this item will include the installation and maintenance of an in-stream cofferdam diversion, pump, and pumped water filter bag in order to work in dry conditions while establishing the rock toe. See Sandbag Diversion Dam #3-15, In-stream Cofferdam Diversion Figure 3.12 and Pumped Water Filter Bag #3-16.

Item #4 Landowner's Fence – this item will include where necessary the removal of the existing chain link fence as well as its re-installation. This may include reuse of the existing fence or new components determined by the landowner.

Item #5 Rock Tow (R7-R6) -this item will include the installation of a rock toe with rock facing made up of R-7 and the remaining toe comprised of at least R6. Regardless of size the rock toe will be keyed/ sunk in a minimum of 18".

Item #6 Non-woven geo textile – this item will include the installation of a non-woven geotextile (PA DOT Class 4) placed between the rock toe and native embankment and wrapped around the top of the rock toe. The material will be properly placed with overlaps being at least 1' and facing downstream.

Item #7 Erosion Control Matting – this item will include the installation of a coir erosion control blanket/ matting over the entire fill area above the rock toe up to the tie wall. Material is to be installed per the Standard Construction Detail #11-1 or the manufactures specifications.

Item #8 Tie Wall – this item will include the construction of a timber wall/ terrace where applicable to maintain a level yard the width of at least the narrowest point (chain link fence and gate) down to a point where a 3:1 stable slope can be maintained in the yard. The wall height will depend on final grading but must be sunk a minimum of 18” below existing grade. The wall will be constructed of existing railroad ties and rebar (minimum ¾”) installed in predrilled holes with at least two (2) pins per tie. Ties are to be installed with staggered joints. Additionally, 6’ dead man timber with 30” cross plates or concrete anchors on 8-10’ centers are required.

Item #9 Excavation/ removal – this item will include all excavation and/or placement of earth material and ties necessary to install the project as well as the removal of any remaining material off-site to an approved waste site.

Item #10 Topsoil – this will include the purchase and installation of any necessary topsoil material to finish the project as directed by the landowner.

Item #11 Trees and Shrubs – this will include the installation of trees/ shrubs in the area between the top of the rock toe and the tie wall. Recommended species to be used are a mix of a least two types of native dogwoods (ex. redbud, graystem, silky) or other approved species if dogwoods are not available planted on 4’ centers. These plants are to be from bucketed stock and a minimum of at least 2’-3’ tall.

Payment – will be a single lump sum payment after final inspection and reimbursement from PA Department of Environmental Protection.