

## OPEN CHANNEL

### Design and Construction Checklist

The following items must be addressed in the design folder for the Open Channel.

#### Survey

- \_\_\_\_\_ Set benchmark(s)
- \_\_\_\_\_ Profile of stream
- \_\_\_\_\_ Cross sections of stream
- \_\_\_\_\_ Random shots necessary for plan view map

#### Design Data

- \_\_\_\_\_ Fluvial geomorphology at the installation site, including sediment transport
- \_\_\_\_\_ Plan view:
  - \_\_\_\_\_ Location of treatments(s), including planting areas and clearing limits
  - \_\_\_\_\_ Location of borrow area(s) if onsite
  - \_\_\_\_\_ Location of disposal area(s) if on site
  - \_\_\_\_\_ Apparent property lines and owners
- \_\_\_\_\_ Cross sections; before and after
- \_\_\_\_\_ Channel profile; before and after
- \_\_\_\_\_ Determine type and size of each structural and vegetative treatment, and provide detail drawings
- \_\_\_\_\_ Velocities, water surface profiles, and other geomorphic parameters as required for permit(s)
- \_\_\_\_\_ Determine quantities, cost estimate, and an O&M Plan
- \_\_\_\_\_ Complete Section 7 of PA582 Specification
- \_\_\_\_\_ Comply with PA-One Call, and requirements for archaeology, species habitat, wetlands, and cultural properties
- \_\_\_\_\_ Provide data for permits

#### Construction Checks

- \_\_\_\_\_ Final cross sections
- \_\_\_\_\_ Structural treatments as specified
- \_\_\_\_\_ Plant material certifications and installations
- \_\_\_\_\_ Final quantities
- \_\_\_\_\_ PA One-Call markings