NOTES:

INSTALLATION:
- Divert runoff from undisturbed areas away from the basin.
  (Reference detail 04000.16 "Standard Diversion Berm") Delay
  cleaning pond area until dam is in place.
- Excavate foundation for apron and use it as a temporary
  sediment basin during construction of dam.
- Clear and grub area under dam, removing all root matter
  and other objectionable material.
- Grade Earth abutments no steeper than 2:1.
- Dispose of material in approved location.
- If cutoff trench is required, excavate at center line of dam
  extending all the way up Earth abutments.
- Stone size to be determined by engineer.

PROTECTION FROM PIPING:
- The entire foundation including both Earth abutments must
  be covered by filter fabric, overlap 1 foot at all joints.
  upstream strips over downstream strip (see cross section).
- Smooth the foundation area before placing filter fabric. Be
  careful placing rock on fabric, it may be helpful to place
  a 4 inch layer of sand over fabric before placing rock.

EMBANKMENT AND POOL:
- Construct embankment to dimensions shown on plans,
  use well graded hard, angular, weather-resistant
  rock. Abutments must be at least 2 feet higher than
  the spillway crest and at least 1 foot higher than the
  downstream face of dam at all points. (See plan)
- Divert sediment-laden flow to upper end of basin.
- Set marker stake to indicate clean out elevation where
  sediment pool is 50% full.
- Stabilize all disturbed areas except the lower one-half
  of sediment pool as shown in the vegetation plan.

SAFETY:
Sediment basins that impound water are hazardous.
Basins should be dewatered between storms. Avoid
steep slopes. Fences with warning signs may be
necessary if trespassing is likely. State and local
requirements must be followed.

STANDARD ROCK DAM DETAIL

EFFECTIVE: 01/05/17