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 de-watered 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: 05/15/20

DETAIL No. 04000.17
(SHEET 1 OF 1)