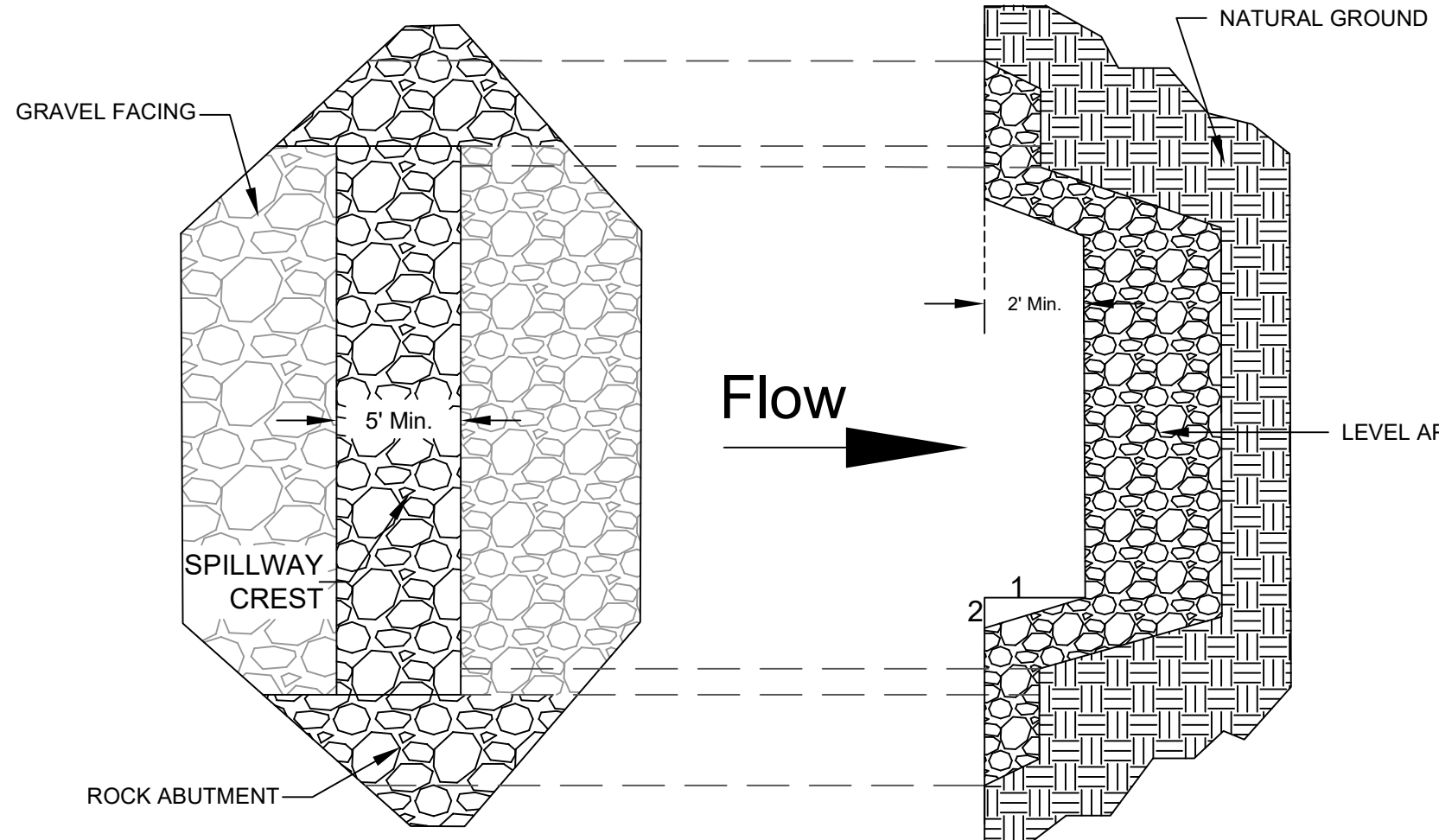
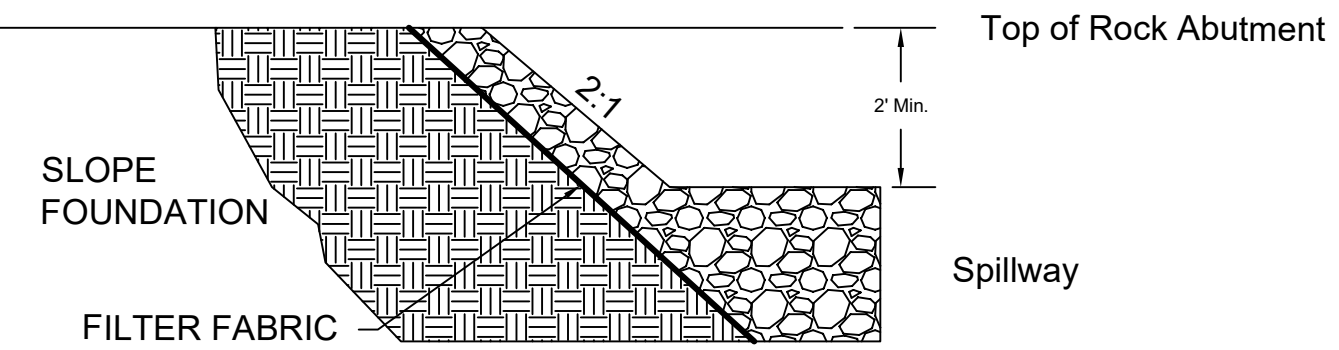


CROSS-SECTION



PLAN VIEW



Spillway Details

Notes:

1. Clear the areas under the embankment and strip of roots and other objectionable material. Delay cleaning the reservoir area until the dam is in place.
2. Cover the foundation area, including the abutments with extra-strength filter fabric before backfilling with rock.
3. If a cutoff trench is required, excavate at center line of dam, extending all the way up the earth abutments. Apply filter fabric under the rockfill embankment from the upstream edge of the dam to the downstream edge of the apron. Overlap fill material a minimum of 1 foot at all joints, with the upstream strip laid over the downstream strip.
4. Construct the embankment with well-graded rock and gravel to the size and dimensions shown on the drawings. It is important that rock abutments be at least 2 feet higher than the spillway crest and at least 1 foot higher than the dam, all the way to the downstream toe, to prevent scour and erosion at the abutments.
5. Sediment-laden water from the construction site should be diverted into the basin reservoir at the furthest area from the dam.
6. Construct the rock dam before the basin area is cleared to minimize sediment yield from construction of the basin.
7. Immediately stabilize all areas disturbed during the construction of the dam except the sediment pool.
8. **Safety- Sediment basins should be considered dangerous because they attract children. Steep side slopes should be avoided. Fences with warning signs may be needed if trespassing is likely. All state and local requirements must be followed.**

Maintenance:

1. Inspect all measures at least weekly and after each rainfall of 1.0 inch or greater.
2. Remove sediment and restore original volume when sediment accumulates to about one-half the design volume.
3. Sediment removed should be placed above the basin and adequately stabilized.
4. Check the structure for erosion, piping, and rock displacement and repair immediately.
5. Remove the structure and any unstable sediment immediately after the construction site has been permanently stabilized.
6. Smooth the basin site to blend with the surrounding area and stabilize.
7. All water and sediment should be removed from the basin prior to dam removal. Sediment should be placed in designated disposal areas and not allowed to flow into streams or drainage ways during structure removal.