33 30 00 Sanitary Sewerage Utilities + Acid Waste and Vent
Revision 01/04/2019

**Purpose:**
The Architect and/or Engineer shall incorporate the Rice specific requirements indicated in this standard’s section into their design. The Architect and/or Engineer shall further produce project specifications in line with industry standards that are updated to reflect these Rice specific requirements.

1. **General Sanitary**
   a. Piping
      i. Use cast iron pipe and fittings throughout the building. Bell & Spigot with neoprene gaskets must be used below slab on grade and outside the building.
      ii. No-hub pipe and fittings may be used above grade.
      iii. PVC piping is not acceptable inside buildings.
   b. Basins
      i. Basins shall be fully sealed against odor migration
      ii. Sealed Manway
      iii. Alarms
         1. High level
   c. Pumps
      i. Pumps shall be rail mounted submersible grinder pumps.
   d. Floats
      i. Use float on rod not floating bulbs

2. **Acid Waste and Vent**
   a. Piping
      i. Flame-retardant polypropylene pipe and fittings
   b. Basins
      i. Basins shall be fully sealed against vapor migration
      ii. Sealed Manway
      iii. Alarms
         1. High pH
         2. High level
   c. Pumps
      i. Pumps shall be rail mounted submersible grinder pumps.
   d. Floats
      i. Use float on rod not floating bulbs

3. **Alarms**
   a. All alarms are to be tied back to the BMS.