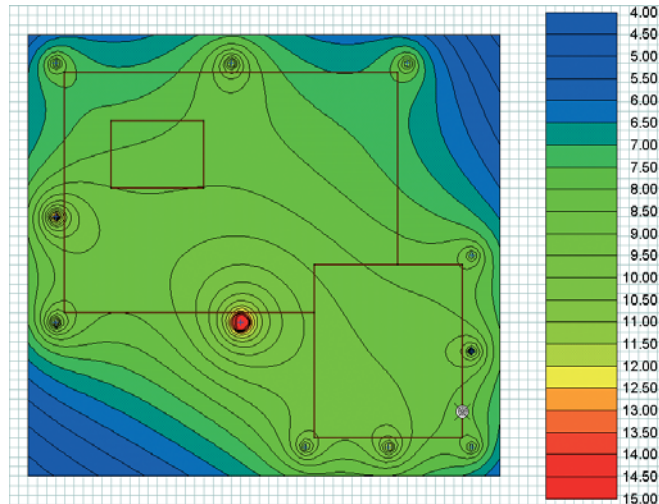
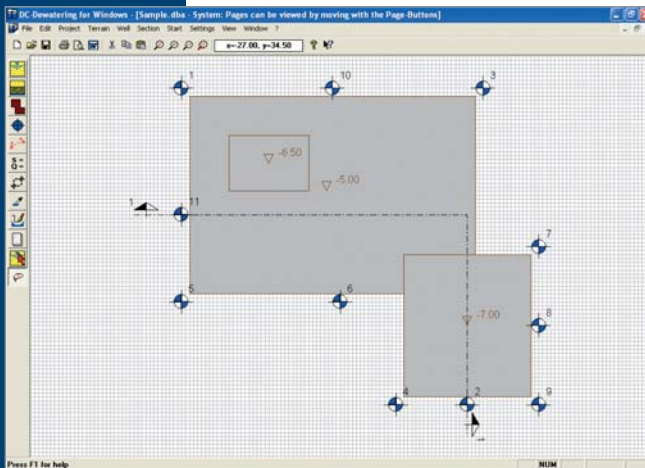


# Analysis of ground-water lowering DC-Dewatering



Graphic of the  
water level with  
color areas



Foundation pit  
sectors of  
different depth

- German and English program version
- Arbitrary number and shape of the pits, with different depths
- Free number, diameter and position of wells, several series are possible
- Soil layer definition with different permeability
- Free, semi-confined or confined ground water
- Adaptation of the lowering depth to different pit depths is possible

- Calculation with gravity or vacuum wells
- Analysis with required, predefined pump-water quantity or single well quantities
- Improved formulae for the use of  $Q > Q_{req}$
- Output of the capacity of all wells
- Calculation of the required number of wells
- Lowering and wetted filter height of the wells
- Consideration of the mutual influence
- Calculation of the range according to Sichardt or time-depending
- Waterproof enclosure, calculation of the trough construction method
- Residual water quantities from the wall and the base, inflow from precipitation
- Graphic of the lowering with elevation lines or color areas
- Determination of the critical point
- Free section draw with water-level course
- Interactive display of the lowering at any point
- **Optimization:** distribution of the wells with arbitrary pit shapes and depths
- Optimization of the well depths in accordance to the pumped quantity

