

INTERACTIVE WATER PLAY AREA INGS ROAD, HULL

The layout has been designed to provide two separate functions, the first is to act as a basic paddling pool similar to the original split level paddling pool it replaced, filtered water is introduced into the upper pool area, and then flows through the upper pool and weirs over a raised section dissected by a small island, the water flow then runs into the lower pool area, flowing through the lower pool and over a weir edge into a collection channel covered by a pool grating. This then runs into a below ground holding tank where it is circulated by the filtration system. The system incorporates full drain down of the feature at night, when the park is shut, the capacity of the underground holding tank was designed for normal operation and storage of the pool water during shutdown, however full bypass and control is included to allow filtration and treatment of the stored water during this period.



The second function is to act as a water play area with no standing water; the filtration system still operates and circulates water within the holding tank using the bypass control set up. The upper area of the feature contains a total of fifteen vertical nozzles, which provide fountain jet heights, of up to 1.2m. The jets are set in groups of three and each group is operated by a water switch linked to a motion sensor, the lower area of the feature contains a total of twelve water nozzles, which provide fountain jet heights, of up to 1.2m. The jets are again set in groups of three and each group is operated by a water switch linked to a motion sensor, the operation of the switches is normally controlled by the sensors, although the system incorporates an override programme that operates once every thirty minutes.

