

## **RESOLUTION NO. ???-2012**

### **Bentley Splash Pad Donation**

WHEREAS, the City of Owosso Parks and Recreation Commission has been approached by a group of citizens, working under the Shiawassee Regional Educational Service District, that desire to place a splash pad water feature in Bentley Park; and

WHEREAS, the parks and recreation commission has reviewed this request, investigated alternatives, and analyzed best practice; and

WHEREAS, the parks and recreation commission has recommended approval of a splash pad, believing that such a use would be a valuable asset to the park, the neighborhood, and the community; and

WHEREAS, Danial Vargus, via the SRESA, and other citizen's have raised over \$16,000 in funds to purchase and install the splash pad; and

WHEREAS, a location has been selected in Bentley Park, west of the pavilion; and

WHEREAS, such a feature would become property of the city to own, operate, and maintain after installed; and

WHEREAS, time is of the essence to install such a feature in time for use this season.

BE IT RESOLVED THAT City of Owosso City Council hereby accepts the splash pad donation for Bentley Park as proposed by the petitioners.

BE IT FURTHER RESOLVED THAT the city council approves the installation with the following conditions:

1. Donations shall cover all external labor, material, permitting and other costs associated with the initial installation.
2. The splash pad feature cannot be used till it has been inspected and approved by the Michigan Department of Environmental Quality and has a received a permit or other suitable instrument to that end.
3. The improvements shall be reviewed by city staff before installation to ensure proper safety measures, water supply, location, and proposed maintenance needs.

## Installation Plan for Splash Pad at Bentley Park

1. The splash pad kit was delivered to Pam and Paul Early's house on August 14<sup>th</sup>.
2. The first planning day was held on August 15<sup>th</sup>; the parts were laid out and a site was selected. The site selected is between the pavilion and the gazebo; it can be seen plainly from M-52.
3. The next planning day was held on Friday, August 16<sup>th</sup>. The primary volunteers are Owosso Pools, Collard cement finishing, and Fisher's concrete.
4. The next step is to review the design and installation with the DEQ, recognizing that the permitting requirements are vague. There are no State rules for splash pads; only for swimming pools. However, there are guidelines under consideration by the DEQ which would be added to the swimming pool requirements. These guidelines have been used in the development of the Owosso splash pad design, and the installation manual and other information has been shared with our local DEQ representative (Paul Sisson; 517-241-1350) since April. Per Paul, the splash pad guidelines will not be added to the swimming pool rules "any time soon".
5. While there will be a donation of an installed splash pad, what will be the ongoing costs of maintenance?
  - a. The cost of maintenance can be broken down into four categories
    - i. Water – each module has a 325 gallon water tank for which there is the cost of water for an initial fill. Each module collects and re-circulates water. A control system replenishes water on an as needed basis, and the amount of replenishment depends on the rate of evaporation. The rate of evaporation is controlled by air temperature and the amount of use. The control system for the water spray is on a timer which will limit the evaporation. For planning purposes, water replenishment is expected to average a maximum of ten gallons per day.
    - ii. The water supply line will be run from the pavilion to the splash pad. The cost to run the line can be covered in the donation from the SRES, or by another donation.
    - iii. Electricity – each module uses two electric motor and water pump combinations, one is used to generate the pressure to the spray heads and the other is used to circulate the module water in order to maintain high water purity. The motor and pump units used for the splash pad are similar to those used for swimming pool water filtration. The motor/pump combinations can be powered by either a 110 or 220 volt source. The cost to run both pumps is estimated to be \$30 per month.
6. Maintenance costs during the operating season

- a. water purification supplies – \$75 per module per season
- b. water quality testing
  - i. supplies – \$20 per year per module
  - ii. labor – volunteer
  - iii. annual part replacement – \$25 per module per year
- 7. Maintenance costs for winterization costs
  - a. Winterization - \$100 per module per season
- 8. Water purity testing should be done each day; volunteers will be recruited to do this.

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