

WHAT'S UNDER THE HOOD?

A LOOK BELOW THE SURFACE OF *PULSE*



Just under the grating is a trench containing the components that create illuminated mist. On the outer edges (above) are a line of 4 foot-long rectangular white boxes, each of which holds four LED light fixtures. Adjacent to the lights are air diffuser pipes, lined with small holes that push out air when *Pulse* activates. In the center is a stainless steel water line topped with dozens of mist nozzles custom designed to create the fine mist.



The components in the trench connect to an underground utility room beneath Dilworth Park in which are installed a blower (box in foreground) and six, blue pump motors (left, background) that work in tandem to ensure sufficient air is pushed out of the diffuser pipes to create the correct mist height. The infrastructure shown above is for the green line only; similar installations will be required when the blue and orange lines are activated.



A control box contains the computer system that ensures the pump carrying water to the mist jets has the correct pressure for producing the special effects.



A water softening system works to remove minerals, iron and other deposits from the water. This filters the water to prevent impurities from clogging the hundreds of misting jets in the green line trench.



Atop a pair of 35-foot poles rising above Dilworth Park are box-like fixtures at the lower end of the pole containing additional LED fixtures that project color lighting onto the columns of mist, amplifying and diversifying the hues projected from beneath the surface grating.