

# Good Samaritan Hospital Medical Center FEMA Flood Mitigation



**10-Foot Elevation Flood Event**



**Hurricane Sandy Inundation Areas**

Good Samaritan, as a health care resource for more than a million residents and the largest provider of emergency care on the south shore of Suffolk County, reviewed its campus to determine the best approach to storm and disaster preparedness. Working with State agencies, the New York State Governor's Office of Storm Recovery and the Division of Homeland Security & Emergency Services, the Medical Center has developed projects to allow continued hospital operation during a weather emergency or recovery from a major weather event.

As we all know, the area south of Montauk Highway is prone to flooding due to excessive rainfall, groundwater swell and storm surge. To alleviate this, Good Samaritan will use a pumping system that flows to various catch basins. Trench drains and permeable pavement will also be installed.

Existing roof drains are not adequate to address more recent heavy rainfall. The plan calls for enlarging and rerouting of roof drains to flow into catch basins, enabling Good Samaritan to maintain the water on our campus. This will decrease the amount of water that overflows into the sewers, thereby helping the surrounding neighbors.

Flooding from a catastrophic storm surge (500-year flood) could significantly damage the facility and make it unable to operate or re-open quickly after clean-up. The installation of a flood barrier will mitigate against any future catastrophic coastal flood damage.

A central generator plant will be constructed to control and increase emergency electric power and distribute it all over the Medical Center. It will be raised above ground to safeguard and allow its use through the worst of storms.