

STORM WATER

EXHBIT X. C.4

Storm Water Management

The Resorts World Hudson Valley project site includes relatively large and environmentally sensitive natural resource areas such as wetlands and streams. Storm water management will be designed to minimize impacts to these areas and protect downstream channels from erosion and sedimentation. The quality of the storm water released from the project site will be better than what is released today, and the quantity of storm water released from the site will be equal to or less than existing flows. Storm water quantity and quality measures will be designed in accordance with the *New York State Stormwater Management Design Manual*. The proposed site design also will implement Institute of Sustainable Infrastructure (ISI) techniques where technically feasible. These techniques include rain barrels, cisterns, bio-retention areas, and porous pavements in surface parking lots. Additionally, opportunities for storm water reuse, such as an irrigation water source, will be considered.

The project is not located within a regulated Municipal Separate Storm Water Sewer System (MS4) boundary, nor is the project site located within a watershed where enhanced phosphorus removal standards are required. Storm water runoff from the project site will discharge to on-site stream systems and/or wetlands areas. Ultimately, storm water runoff will discharge downstream to Tin Brook, a Class B stream—a portion of which is located on the southwest and northwest corners of the site.

Storm water management facilities will be distributed around the site to retain existing drainage patterns to the extent possible and maximize the ability to quickly intercept and treat flows from highly impervious areas such as building rooftops and pavement areas. Storm water management facilities also will be integrated into the project's design as site amenities.