



Design based on Drawings by:  
Chicago SMSA &  
Fullerton Engineering  
Consultants

**Stage 1 Co-Location:**  
One provider array mounted on the water tower. Governmental equipment is located on top.

**Stage 2 Co-Location:**  
Additional provider array mounted over existing array with a monopole. Governmental equipment is located on top. The total height, with governmental equipment, shall not extend more than 50 feet above the water tower (LDC Section 6-311.G).

**Stage 3 Co-Location:**  
Potential for two additional provider arrays mounted on a crown that surrounds the first two stages. A Stage 3 "crown" system is the lowest potential co-location on Village-owned water towers (provided there is no Stage 4). Exterior cabling shall only be permitted for Stage 3 arrays and shall be subject to screening via a chaise system.

Wireless communication cabling will be on the exterior of the tank for Stage 3 crown co-locations.

**Stage 4 Co-Location:**  
(Not Recommended) An array is mounted on the stem/ collar of the water tower. Previously the stem/ collar co-location was noted as not permitted. This is for discussion purposes. If Stage 4 mountings were permitted, they would be limited to one array on the stem and would represent the lowest potential co-location on a water tower. However, this is not recommended.

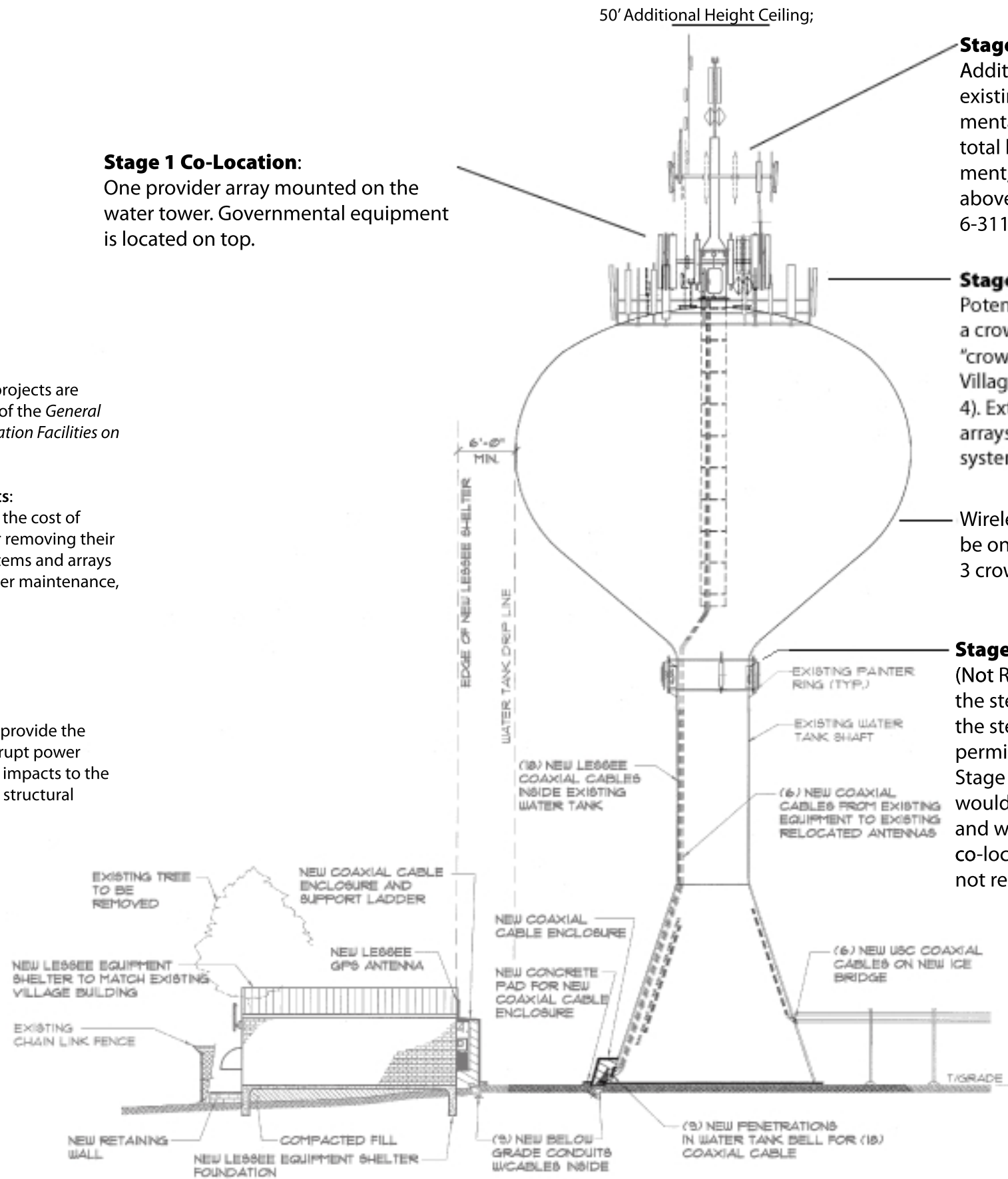
**NOTES:**

**Planning and Review:**  
All water tower co-location projects are subject to the requirements of the *General Policy for Wireless Communication Facilities on Village-Owned Property*.

**Rehabilitation Requirements:**  
Providers are responsible for the cost of temporarily disabling and/or removing their wireless communication systems and arrays for the purpose of water tower maintenance, which may include:

- Painting;
- Cleaning; and
- Structural Repair;

Providers will be required to provide the ability for the Village to interrupt power service in lieu of detrimental impacts to the water tower's functional and structural integrity.



**Village-Owned  
Water Tower  
Co-Locations  
Concept Plan**

Development Services Department  
Dated: March 11, 2010  
  
Per Development Review discussion  
March 10, 2010  
  
Last Revised: March 31, 2010