

# Green Infrastructure Project Status Report

## Project E-16: Sunnycrest Park Golf Parking Lot

DATE: January 2012

Contractor: ACTS II Construction

Presented herein for the noted site is a summary of issues/features related to the design and construction of the project, its current status and project metrics.

### Item #1: Stormwater Details and Specifications

- 1A. Granite Curb with Only Base Course Pavement.** Due to the fact that only base course paving was installed in the parking lot in the fall of 2011, the curbing will be more susceptible to damage as the result of a vehicle striking it. The City Parks Dept. has been notified of this and will take the appropriate precautions when plowing the lot during the winter of 2012.

### Item #2: Trees and Plantings

- 2A. Planting Soils.** The original Contract Drawings for this project specified only S3 planting soils in the large bioretention area west of the parking lot. The drawings were revised to include a minimum 18 inches of S3 planting soil and a minimum of 6 inches of S1 planting soil. The modification amount for this change has not been finalized as of the date of this report.

**Further Action Needed:** Future designs will clearly denote depths of S3 and S1 planting soils on the Contract Drawings.

- 2B. Planting Progress.** No plantings occurred in the fall of 2011 because doing so would have resulted in planting outside the specified planting window, and would thus negate plant warranties.

**Further Action Needed:** The contractor will remobilize in the spring of 2012 and complete all civil site work and planting of all landscaping as called for in the specifications.

### Item #3: Topographic Survey

- 3A. Mislabeled Manhole.** The topographic survey identified a manhole east of the parking lot. However, during construction it was found that this manhole was actually a dry well with no bottom of the structure present. This prompted a design change directing the overflow from the system to a different location in the parking lot. The cost for this change was finalized at \$4,466.71 and a change order to the contract is being processed as of the date of this report.

**Further Action Needed:** The surveyor has been notified of this discrepancy and in future surveys will note whether a manhole or dry well has a hard bottom surface. Further, the site visits for future projects will examine all structures (manholes, dry wells, catch basins, etc.) at each site in regards to their condition.

### Item #4: Coordination with National Grid

- 4A. Light Pole Relocation.** During construction, coordination with National Grid was required for the removal and relocation of light poles on the west side of the parking lot. National Grid took several days to perform this work and resulted in a minor pause in green infrastructure (GI) construction.

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**Further Action Needed:** Coordination and notification to National Grid (and other utilities) will be completed as soon as possible and sensible, ideally during the design phase.

**Item #5: Winterizing and Protection of Construction Site**

**5A. Winter Punch List.** In early December the Contractor determined that the site would be shut down for the winter as he could no longer effectively schedule materials such as concrete and asphalt. As a result, a punch list was prepared with the City Parks Department that called for the Contractor to protect the site during the winter months. The list included: reinstallation of the light poles and energizing of lights for the parking lot, identification of structures with cones and barrels and shimming of rims with cold patch for protection against snow plows, and marking the GI basin with orange snow fence and reflectors.

**Further Action Needed:** The Contractor returned to the site and complied with the punch list items above with the exception of the light pole reinstallation. At the Contractor's request, the Parks Department was contacted and asked if the lights would be needed - Parks responded that they would not. The Contractor will return in spring 2012 to complete the remaining work on the project.

**Item #6: Public Outreach**

**6A. Save the Rain Website.** The primary public outreach method for this project was the Save the Rain website. The project plans and specifications, and fact sheet were uploaded to the website to inform the public of the project and what was taking place.

**Further Action Needed:** The Save the Rain website will continue to act as the primary public outreach method for all of the Save the Rain green projects. However, targeted outreach will occur in more highly populated and sensitive areas to inform the public of the project.

**Project Metrics Summary**

|                                   |                   |
|-----------------------------------|-------------------|
| Bid Price                         | \$362,599         |
| Change Order Total as of 12/31/11 | \$4,466.71        |
| Total Project Cost as of 12/31/11 | \$367,065.71      |
| Total Estimated CSO Reduction     | 506,000 gallons   |
| Cost per CSO Reduction            | \$0.72 per gallon |