

Green Infrastructure Project Status Report

Project E-36: Sunnycrest Park Arena Parking Lot

DATE: January 2012

Contractor: Ruston Paving

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: Site Details and Specifications

- 1A. Reusing Existing Curbing.** The existing granite curbing around the “green islands” in the middle of the parking lot was marked to be reused in the Contract Drawings. However, during construction, it was noted that some curbing (approximately 24 linear feet) was in poor condition and/or unusable. It was decided, however, that the curbing would be reused, with the exception of a few pieces that were damaged beyond reuse. The additional costs for new granite curbing were \$576. A change order for this and the additional asphalt pavement noted in this report is currently being processed.

Further Action Needed: During the design phase of all future projects where granite curbing is marked to be reused, the granite curbing will be examined in the field during design to note its condition. In the event that the curbing is in poor condition, a decision between the property owner and the County will be made on whether to replace the curbing entirely or in part.

Item #2: Trees and Plantings

- 2A. Planting Progress.** Planting of trees, shrubs and plugs took place on 4 and 10 November. It was noted that shrubs and plugs were planted after the specified latest date of 15 October while trees were planted before 15 November in accordance with the specifications. Additional issues (depth of plant, depth of mulch, configuration of hole, etc.) related to the way the plantings took place were added to a punch list.

Further Action Needed: The contractor will remobilize in the spring of 2011 to complete punch list items related to site landscaping. The condition of plants will be closely evaluated since the warranties for shrubs and plugs will not start until the spring of 2012 and trees will be started as of the planting date.

- 2B. Grass vs. Sod.** Adjacent to the ice rink at Sunnycrest Park, asphalt pavement was removed to prevent illegal parking from occurring. The specified landscaping for this area was grass seeding. However, this area sees significant pedestrian traffic, and as such, grass was not established in the fall of 2011. The contractor will re-seed the area in the spring of 2011, while providing temporary fencing to keep pedestrians from walking during the initial germination period.

Further Action Needed: For all future projects, the use of sod versus seeding will be examined during the design phase. For high pedestrian trafficked areas, sod will be specified, and vice versa for seeding.

Item #3: Paving Quality Control

- 3A. Top Course Paving Replacement.** After the top course paving was complete in the parking lot, it was discovered that there was an area of paving that was not properly paved, leaving behind ridges and bumps. The contractor was instructed to mill and repave this area of deficient construction. The contractor complied, and the area was repaved in the fall of 2011.

Item #4: Unforeseen Conditions

4A. Asphalt Thickness. During excavation, it was determined that existing asphalt (specified to be milled to a depth of 2" and repaved) was only 2" thick in some spots, preventing milling from occurring. In these areas, additional asphalt binder was needed. A change order to the contractor's contract is being processed for the amount of \$2,796.20 for the additional asphalt.

Further Action Needed: On all future parking lot projects, the asphalt thickness of the existing parking lot will be verified during the initial site investigation stages of the parking lot, and the thickness of asphalt replacement (full depth or 2") will be determined during the design phase.

Item #5: Public Outreach

5A. 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 serve 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	\$407,000
Change Order Total (as of 12/31/11)	\$3,372.20
Total Project Cost (as of 12/31/11)	\$410,372.20
Total CSO Reduction	1,332,000 gallons
Cost per CSO Reduction	\$0.31 per gallon