

Green Infrastructure Project Status Report

Project M-29: Hughes Magnet School 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 and Site Details and Specifications

- 1A. Sidewalk Type.** Prior to construction, the City of Syracuse Dept. of Engineering commented that the contract drawings specified asphalt sidewalk in the area of existing asphalt sidewalk (replacement in-kind). However, City sidewalk ordinance, all sidewalk is to be concrete unless a variance is granted. A modification to the contractor's contract is being processed as of the date of this memorandum.

Further Action Needed: Future projects involving sidewalk replacement will specify concrete sidewalk per City of Syracuse Standards.
- 1B. 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 School District has been notified of this and will not use the parking lot during the winter of 2012.
- 1C. Concrete Ring around Structures.** As is specified in the contract drawings and in the manufacturer recommendations, concrete rings are required around the rims of cleanouts and PVC catch basins when installations require H-20+ loading ratings. The contractor did not install these rings in the fall of 2011 prior to paving occurring.

Further Action Needed: After remobilizing in the spring of 2012, the contractor will sawcut the base course paving around the cleanouts, and install the concrete rings as specified in the contract.
- 1D. ADA Detectable Warning Units.** The sidewalk ramps installed as part of this project are required to have ADA detectable warning units for the full length of the concrete ramp slab. In the fall of 2011 when the ramps were installed, the contractor only installed the ramps for 1 panel (5 feet long) of the ramp. The contract documents specify that the units shall be installed through the full length of the ramp.

Further Action Needed: After remobilizing in the spring of 2012, the contractor will install ADA detectable warning units throughout the full length of the sidewalk ramps as specified in the contract documents.

Item #2: Trees and Plantings

- 2A. Planting Progress.** No plantings occurred in the fall of 2011 due to exceeding the planting schedule presented in the specifications.

Further Action Needed: Plantings will occur in the spring of 2012 when the contractor re-mobilizes and completes all remaining work at the site.

Item #3: City Street Structures Permit

3A. Delay. There was a delay (on the part of the City) in the processing of the contractor's Street Cut Permit for this project. The contractor was instructed by the City of Syracuse School District to perform the road cuts on November 11th and the following days because there was no school on those days. Despite not having their permit on these days, the contractor performed the street cuts on this date as well as other street related work when school was off.

Further Action Needed. The City has stated that they will expedite the review of the green infrastructure projects so that delays will not occur in the future. Contractors will be reminded that road cuts should not occur before they receive their street cut permit back from the City.

Item #4: Unforeseen Conditions

4A. Water Main Crossing. During excavation, it was noted that the storm pipe crossing Jamesville Ave. was in direct conflict with an existing water main in the street. As a result, the pipe storm pipe invert elevation was revised. Also, the storm pipe needed to be encased in concrete because the minimum separation between the storm pipe and the water main did not meet the minimum City of Syracuse standard of 18 inches. A modification to the contractor's contract is being processed as of the date of this memorandum.

Further Action Needed: Designs will be closely checked for separation between water and proposed storm pipes using an assumed water main depth. If 18 inches of separation is not possible, concrete encasement will be specified.

4B. Road Thickness. During excavation of Jamesville Ave., it was noted that the asphalt base and binder thickness was significantly more than that of usual City streets. The restoration of this was brought to City DPW's attention, and they stated the road must be restored in the same thicknesses as what was found. Therefore, additional base and binder were needed to complete this work. A modification to the contractor's contract for the extra material is being processed as of the date of this memorandum.

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 specifications, design plans and fact sheet were uploaded to the website to inform the public of the project and what was occurring.

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	\$288,700
Change Order Total (as of 12/31/11)	\$0
Total Project Cost (as of 12/31/11)	\$288,700
Total CSO Reduction	1,068,000 gallons
Cost per CSO Reduction	\$0.27 per gallon