RODEO GROUNDS SEDIMENT CONTROL DESIGN PROJECT

March 28, 2016

The Rodeo Grounds is a 34.61-acre site owned by the City and leased to Prescott Frontier Days (PFD), an Arizona non-profit organization. PFD hosts the Prescott Frontier Days Rodeo every year in July, known as the "World's Oldest Rodeo." In addition to the week-long rodeo in July, the Rodeo Grounds is used for other equestrian and livestock events for six months out of the year, primarily on weekends between May and October. The Rodeo Grounds drains to Miller Creek, a waterway listed as water quality impaired for E. coli bacteria by ADEQ. Miller Creek is a tributary to Granite Creek, which is also listed as water quality impaired for E. coli bacteria and Dissolved Oxygen (DO).

Due to the nature of the activities taking place at the Rodeo Grounds, this site is considered a potential pollutant "hot spot." Livestock wastes can have detrimental impacts on water quality. Livestock manure contains nutrients, like Nitrogen and Phosphorus, which may contribute to the water quality impairment downstream in Watson Lake (pH, DO, Nitrogen, and Phosphorus). Livestock manure can also contribute pathogens, including viruses, parasites, and bacteria such as fecal coliform and E. coli. E. coli in a water body is an indicator of fecal contamination, representing a potential risk to public health. Miller Creek is a tributary of Granite Creek; both creeks are listed as impaired for E. coli. Sediment is another pollutant that may be contributed by the Rodeo Grounds because of the extent of unpaved surfaces on the site. Excess sediment has many potential water quality impacts, including the transportation of other pollutants, such as nutrients and bacteria, which are problems in the Upper Granite Creek Watershed.

The Prescott Rodeo Grounds Runoff and Sediment Control Project proposes to address sediment and other pollutants (nutrients, E. coli) that may contribute to water quality impairments in Miller Creek, Granite Creek and Watson Lake by managing the runoff from the site. A series of sediment and water quality basins would be installed in two perimeter locations to intercept drainage, capture and contain sediment, and slow and filter the runoff before discharging directly to Miller Creek through a 36" culvert.

The City has obtained a $90,000 grant from ADEQ toward construction of the sediment reduction basin. With the project the City is responding to a recommendation from ADEQ to address potential pollutant contributions from City properties under the City's Arizona Pollutant Discharge Elimination System (AZPDES) Small MS4 (stormwater) permit. Since there are now five impaired water bodies, with another pending designation (Willow Lake), municipal stormwater discharges to impaired waterways are being examined. ADEQ believes this site to be a significant contributor of pollutants. While the Rodeo Grounds is not considered a municipal

operation, the City owns the property and, because the PFD rodeo is such an important part of the community and its history, the City is seeking to ensure that the site is in compliance with all state and federal regulations. The City has been working with ADEQ to address water quality issues since the 2012 MS4 Compliance Audit, and, more recently with the Draft Watson Lake TMDL and Granite Creek TMDLs. This project will demonstrate Prescott's commitment to protecting water quality.

City staff completed the design project in house. The construction project was advertised and bid out for construction. CLM Earthmovers was the lower bidder and was awarded the construction project. The notice to proceed was issued on March 28, 2016. The project is currently under construction and should be completed in May, 2016.

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Visit: www.prescottroadconstruction.com for additional project information.

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