MEMORANDUM

Date: April 26, 2017

To: The Honorable Chair and Members
Pima County Board of Supervisors

From: C.H. Huckelberry
County Administrator

Re: **Old Nogales/Aerospace Corridor/Park Avenue Sewer Augmentation**

Background

The Old Nogales/Aerospace Corridor/Park Avenue Augmentation is currently planned as a three-phase project (see attached maps). Phase I (estimated at $11.5 million) includes approximately five miles of sanitary sewer for the relief of the Arizona State Penitentiary lift station, a future connection point for the Verano Development, and provides sewer service for the southern portions of the County Aerospace Resource Campus. Phase II (estimated at $27.9 million) includes approximately nine miles of sanitary sewer for the relief of the existing Old Nogales Interceptor from Hughes Access Road to 36th Street near Tucson Greyhound Park, north of Interstate 10. Phase III (estimated at $2.3 million) includes the relief of the Park Avenue and Drexel sanitary sewer system. The Park Avenue sanitary system has exceeded the Arizona Department of Environmental Quality (ADEQ) regulatory trigger of 75 percent of the pipe capacity during peak flows. This trigger requires the Regional Wastewater Reclamation Department (RWRD) to design and construct additional capacity to relief the impacted system. Guaranteed Maximum Price #1 will provide for the relief to be constructed and the regulatory requirement to be met.

The solicitation for the full design and construction of this project resulted in the selection of WestLand Resources, Inc. as the Design Professional and the Borderland-B&F Contracting Joint Venture as the Contractor/Manager at Risk (CMAR). The CMAR was awarded an initial contract for preconstruction services during the Design Phase in the amount of $576,000. During the 60 percent design submittal, it was noted that Phase III of the Augmentation Project could be accelerated to allow construction to occur during the summer break for the nearby Sunnyside School. This scheduling would reduce traffic-related issues associated with construction activities in the Drexel Road area and minimize impact to local residents, parents and students.

Guaranteed Maximum Price #1

The team set as a goal to have the construction documents complete by the end of April to allow the permitting process to occur during the month of May in order to be ready for a

Notice to Proceed in late May. This goal has been met, and Final Approved Plans are being sent to ADEQ for their regulatory review and permit. The CMAR has also provided a Guaranteed Maximum Price (GMP) of $1.3 million for this phase, which is close to $1 million under the original estimated amount of $2.3 million. This savings results from value engineering that identified a shorter, less expensive route from the original plan. This proposed Amendment No. 1 will increase the original contract amount of $576,735.21 by $1,325,211.19 for construction services for the installation of the Drexel Augmentation sewer, resulting in a total contract amount of $1,901,946.40.

Path Forward

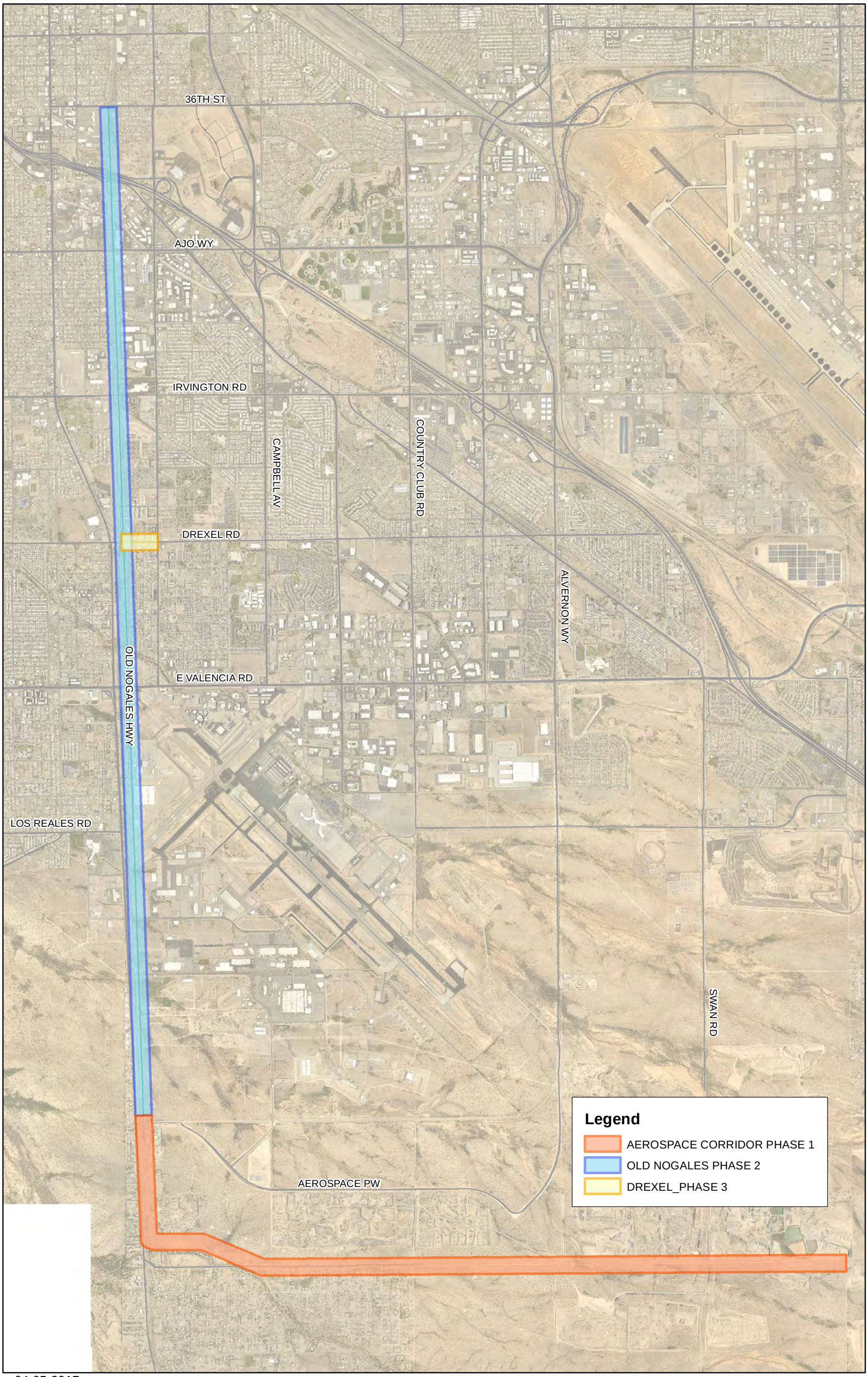
The first and second phase designs are scheduled for completion in October, and the various Real Property acquisitions are underway. The next phase to be constructed will be Phase I after securing Arizona State Land Department and Tucson Airport Authority easements followed by the second phase after securing Union Pacific Railroad easements. The entire project is scheduled for completion by by 2020.

CHH/mjk

Attachments

c: Carmine DeBonis, Jr., Deputy County Administrator for Public Works
Jackson Jenkins, Director, Regional Wastewater Reclamation Department

SEWER AUGMENTATION DESIGN (3ASC15)



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PIMA COUNTY
WASTEWATER RECLAMATION

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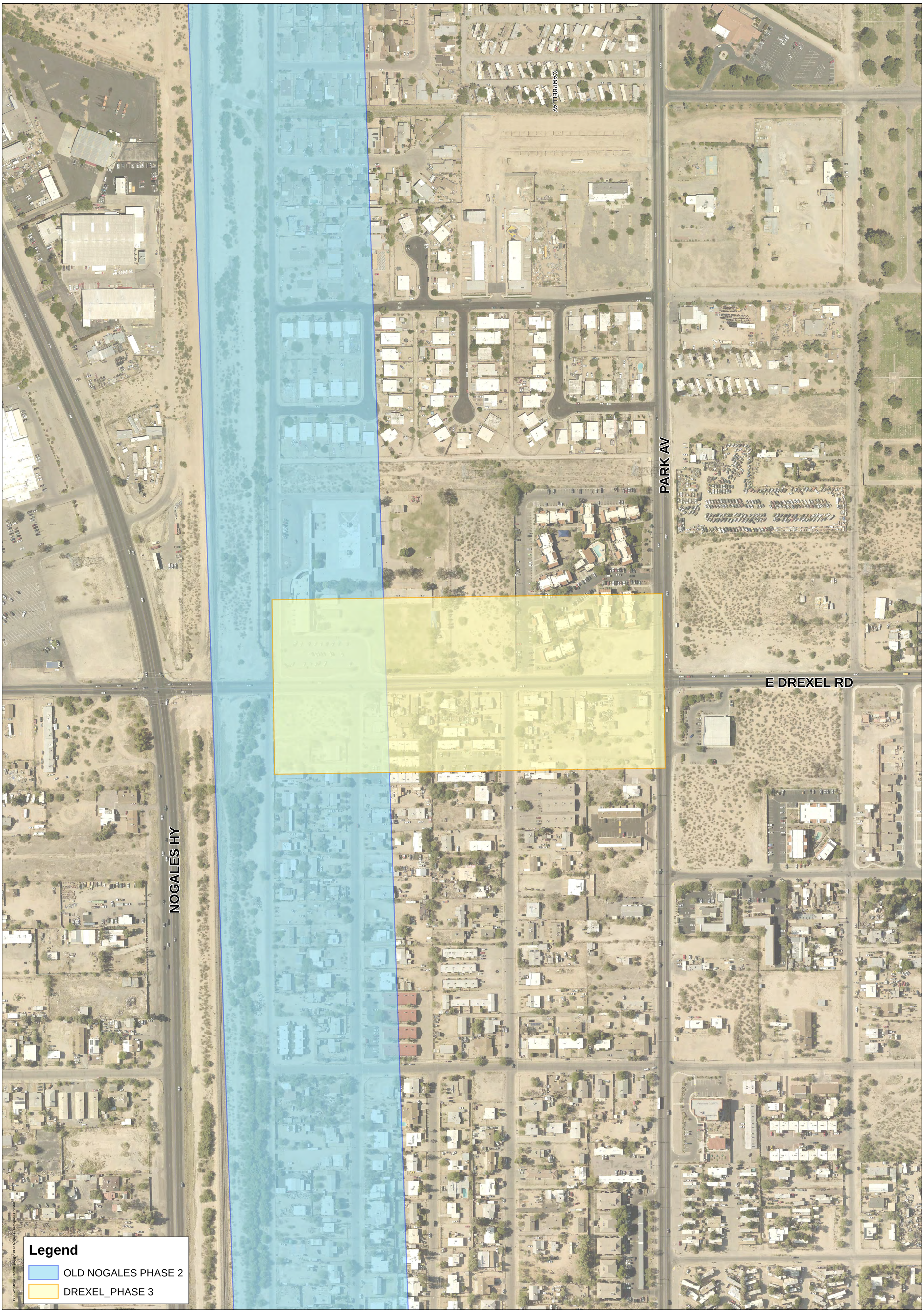

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