



## Apache ASL Trails

Tempe, Arizona

The facility is a mixed use state-of-the-art independent living community for deaf seniors, along the Light Rail Corridor of Apache Boulevard, consisting of street level retail, office, common areas and three levels of apartments.

The structural documents were created in REVIT Structures, state of the industry BIM software. Using REVIT the building was built virtually in an accurate 3 dimensional model. The building structure consists of concrete, masonry, steel and wood construction.

The civil documents were created in Civil 3D, constructing a 3 dimensional smart model of the surface and underground utilities. This allowed for easy clash detection of utilities and surface irregularities. Specific work completed for this project included survey and entitlement, site infrastructure design of new site sanitary sewer system, and underground storm water retention system, water mains, grading and paving, and permitting.

Landscape improvements included street frontage landscape, parking lot landscape, buffer yards to adjacent owners and pedestrian pathways. This included detached sidewalks that created landscape areas.

Services:	Structural Engineering Civil Engineering Landscape Architecture
Data:	4-Story 90,000 SF Building 3.5 Acre Site
Cost:	\$10 Million

