

TA-II

Sub-Area Plan Overview & Summary



SNL/NM Technical Area II

A Component of Sandia National Laboratories'
Long-Range Development Framework

Developed: 2009
Refreshed: 2015





SNL TA-II resides in a dry brownfield region, in the "backyard" of SNL/NM.

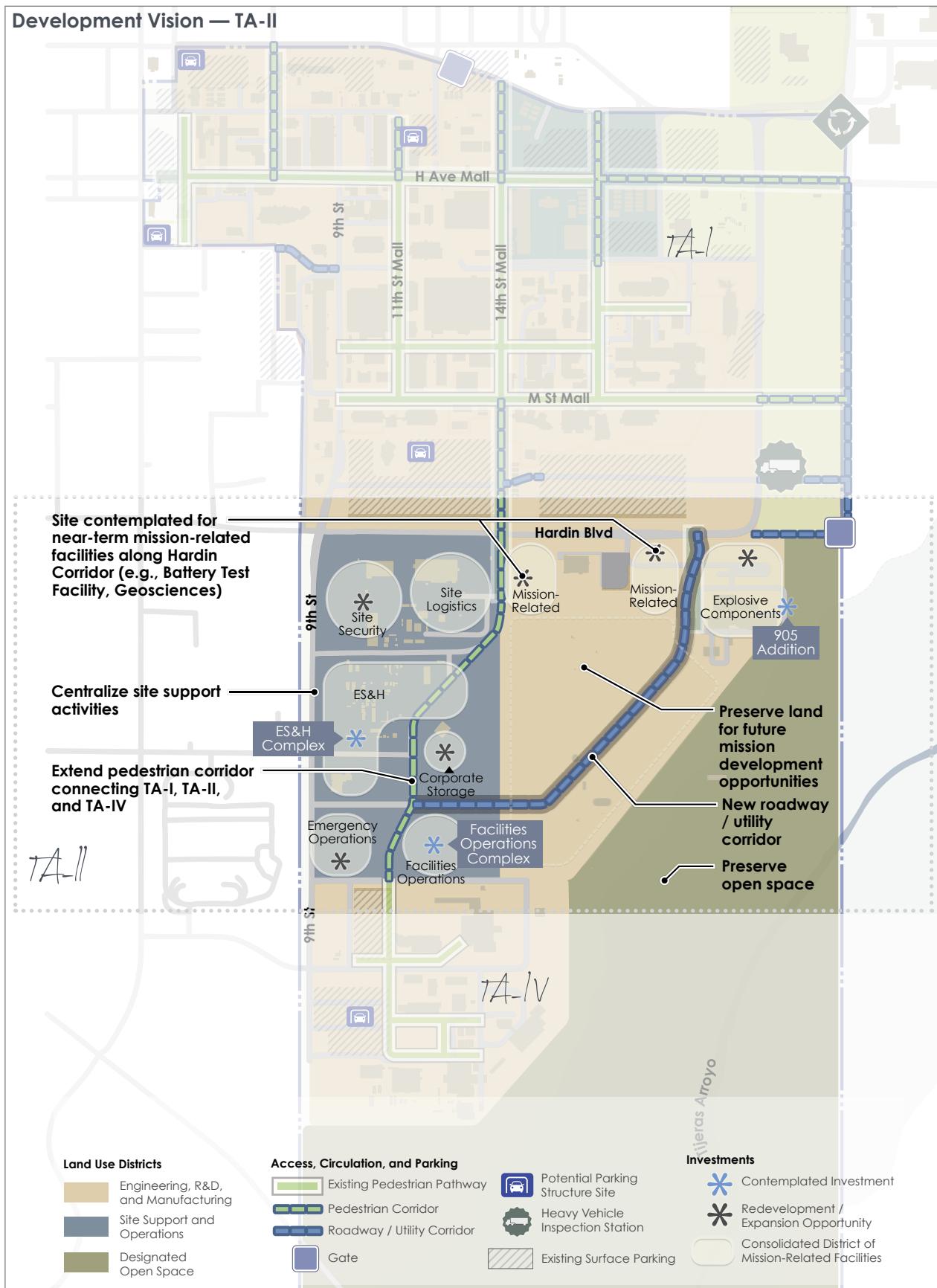
Key Features of the TA-II Sub-Area Plan

Technical Area II is a brownfield site with a central, but "backyard" location that makes it a perfect area for site-support activities, particularly those that can be relocated from the TA-I "front-yard." TA-II has a large amount of undeveloped land that should be held in reserve for future R&D mission work. Specifically, the Sub-Area Plan recommends:

- Accommodating primarily site-support land uses, including site-support functions that can be relocated from TA-I
- Preserving land for future mission development opportunities which also protects sensitive environmental areas
- Locating future development along the Hardin and 9th Avenue corridors where existing infrastructure exists
- Constructing critical infrastructure links (e.g., roads and utilities)



Development Vision — TA-II



Land Use Districts

- Engineering, R&D, and Manufacturing
- Site Support and Operations
- Designated Open Space

Access, Circulation, and Parking

- Existing Pedestrian Pathway
- Pedestrian Corridor
- Roadway / Utility Corridor
- Potential Parking Structure Site
- Heavy Vehicle Inspection Station
- Existing Surface Parking
- Gate

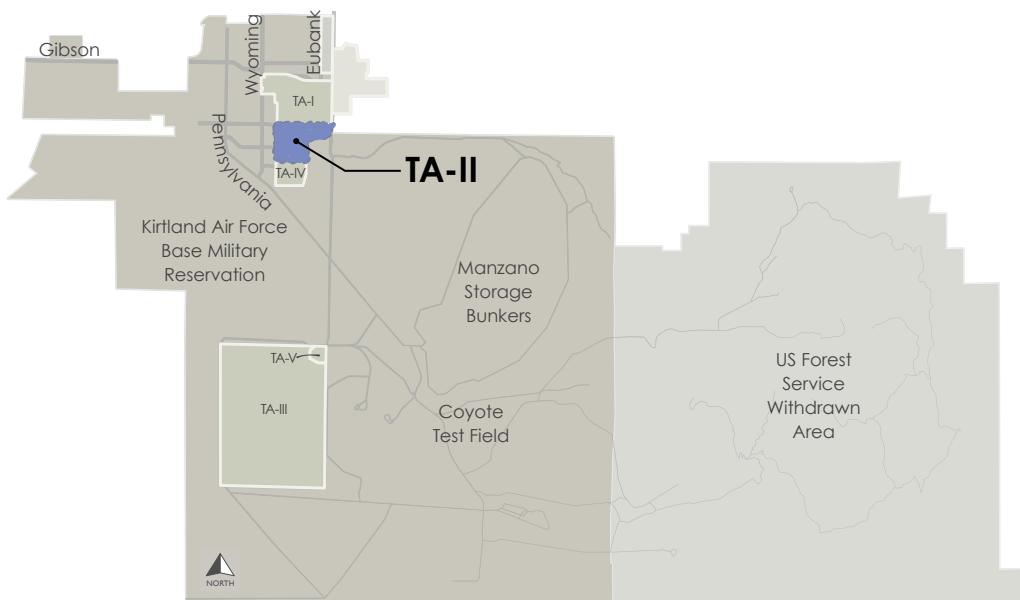
Investments

- Contemplated Investment
- Redevelopment / Expansion Opportunity
- Consolidated District of Mission-Related Facilities



📍 Location

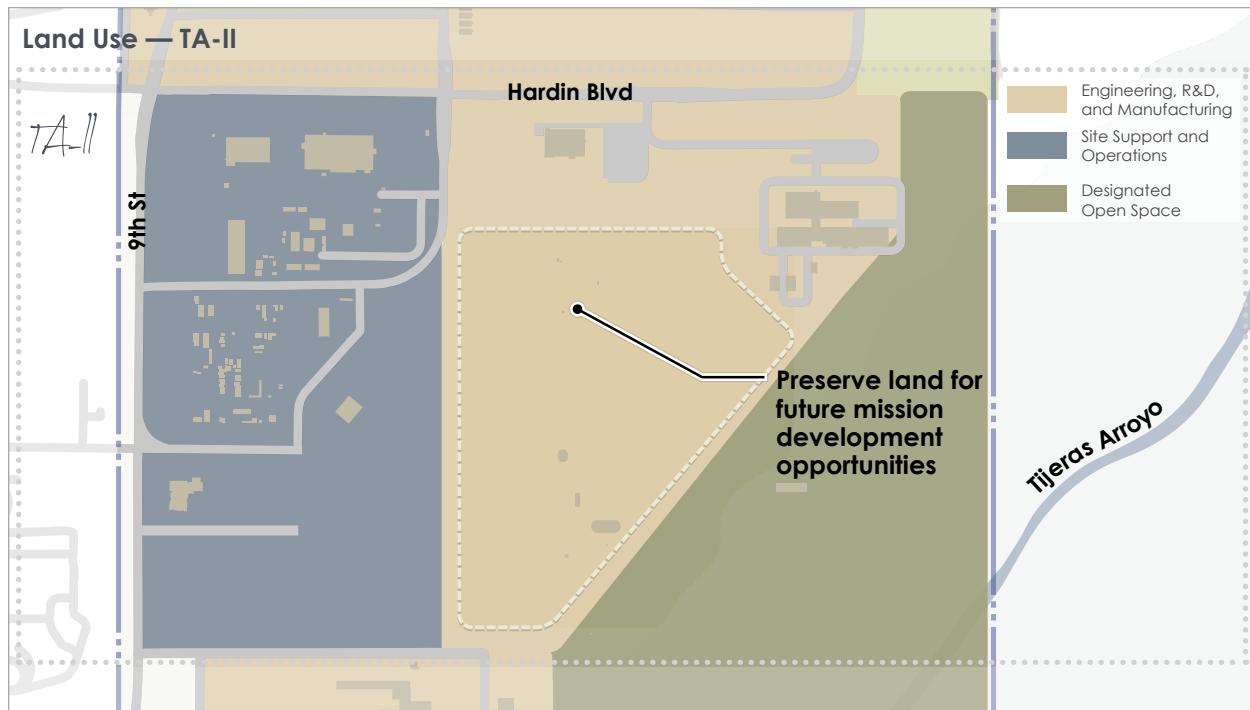
TA-II resides between TA-I and TA-IV on a developable brownfield site.



Future Land Use

Maintain and consolidate current Site Support and Engineering, Research and Development (R&D), and Manufacturing land uses and preserve land for future mission development opportunities.

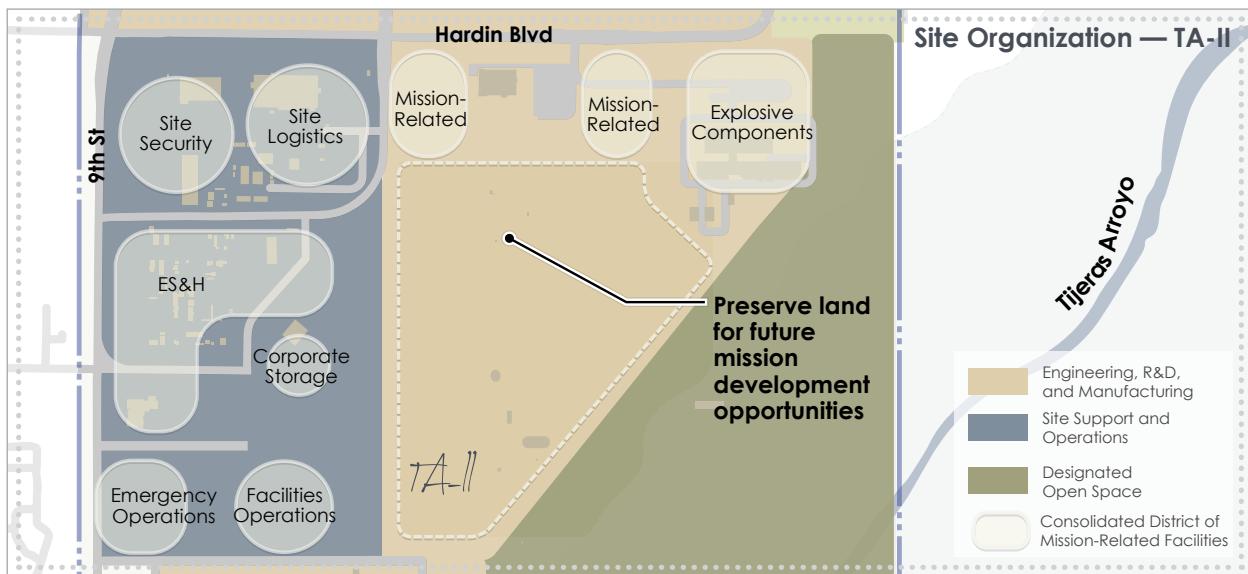
- Future TA-II land uses will be primarily a combination of Site Support and Engineering, R&D, and Manufacturing
- Future land uses reflect continuing and consolidating current uses, and some redevelopment, and include:
 - Locating site-support activities and functions along the 9th Street corridor
 - Relocating the hazardous waste storage currently within TA-II to a consolidated site at the Radioactive and Mixed Waste Management Facility (RMWMF), based upon endorsement of recommendations contained in the September 30, 2003 Consolidated Waste Management Facility Study
 - Holding in reserve about 75 acres of land for future mission development opportunities on the Hardin Boulevard corridor extending south to TA-IV
 - Preserving for the long term current open space above and northwest of the Tijeras Arroyo



Site Organization

Create functionally related development districts.

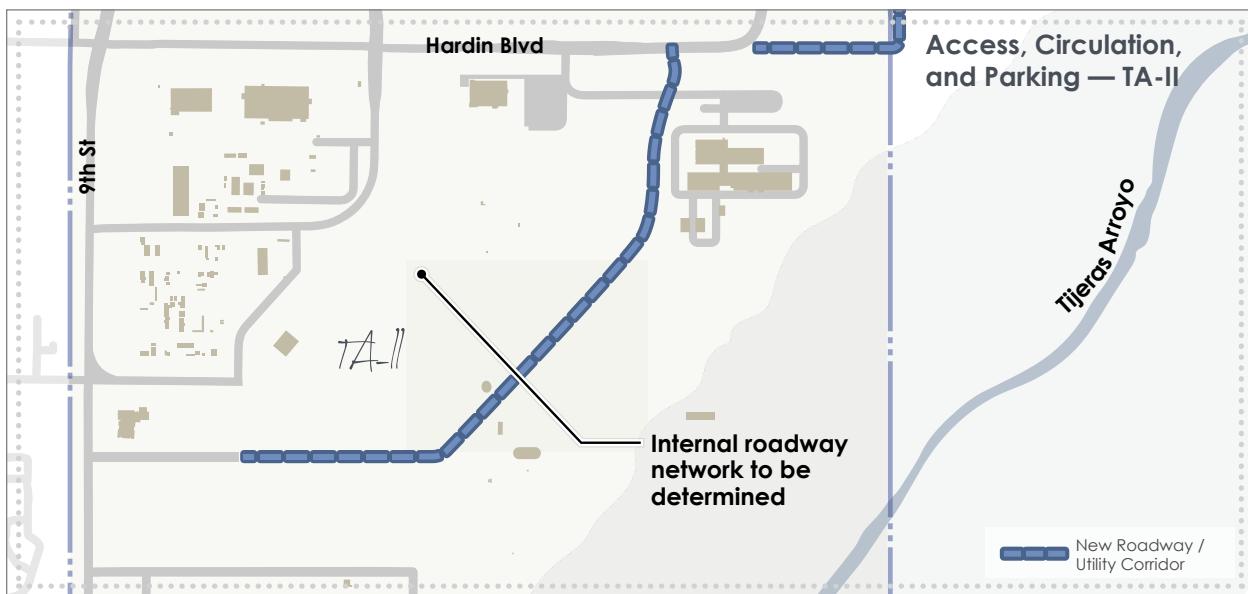
- The TA-II Sub-Area Plan envisions a variety of "districts" along the 9th Street corridor that cluster related site-support activities that capitalize on existing infrastructure, facilities, and provide numerous siting opportunities for new facilities
- Other districts along Hardin Boulevard accommodate existing and new mission-related facilities



Access, Circulation, and Parking

Implement critical infrastructure links.

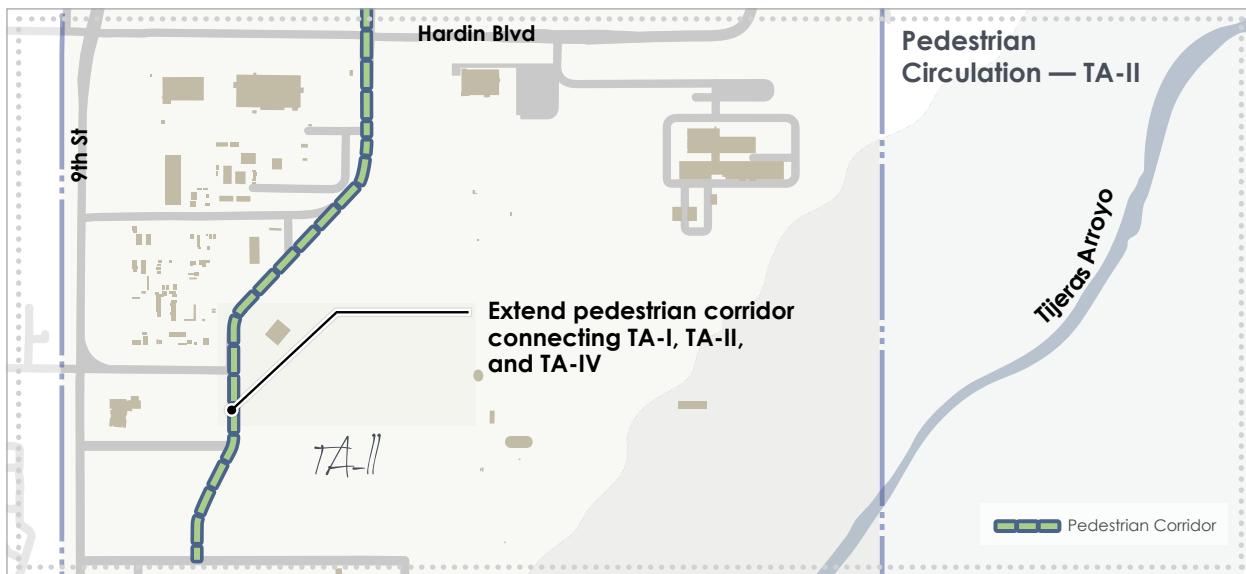
- The TA-II Sub-Area Plan incorporates the 2005 Environmental Test Capabilities Infrastructure Master Plan recommendation to extend a road and utility corridor connecting Hardin Boulevard to 9th Street



Pedestrian Circulation and Outdoor Areas

Extend 14th Street multi-modal corridor to TA-II and enhance the Tijeras Arroyo escarpment for wildlife habitat protection and recreational trails.

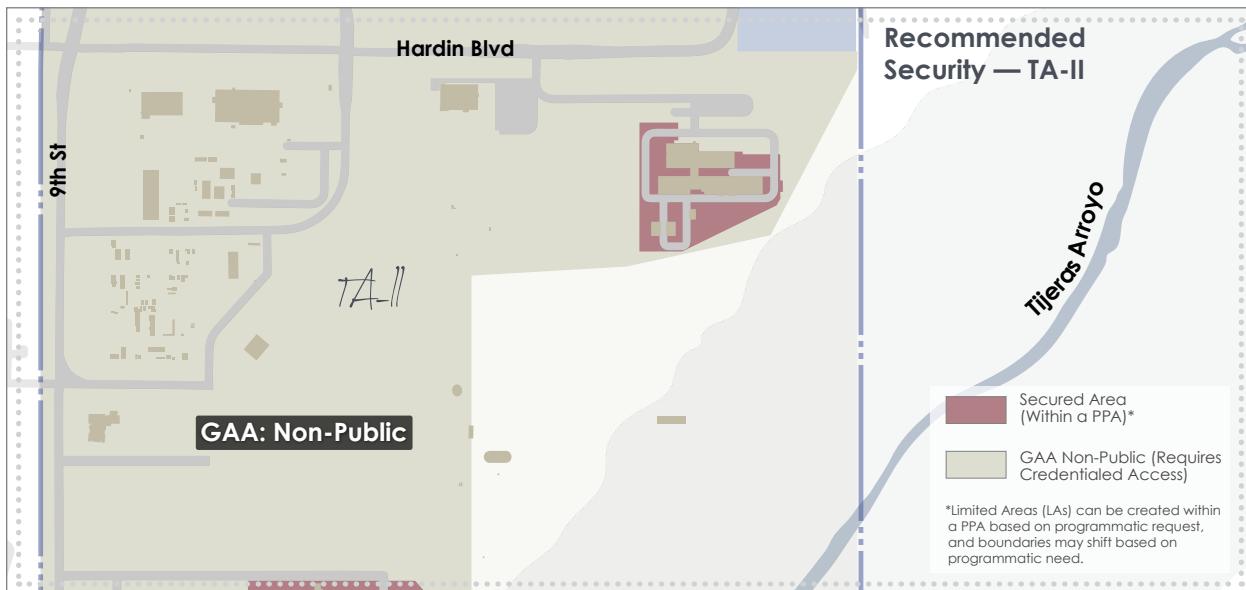
- Extend the 14th Street multi-modal corridor from TA-1 to TA-IV, providing a connection between the two major employment concentrations
- Tijeras Arroyo escarpment provides an opportunity to enhance wildlife habitat and to construct recreational trails



Security

TA-II requires no security changes.

- TA-II is a Non-Public General Access Area (GAA) security zone with some stand-alone secured areas within a Property Protection Area (PPA)

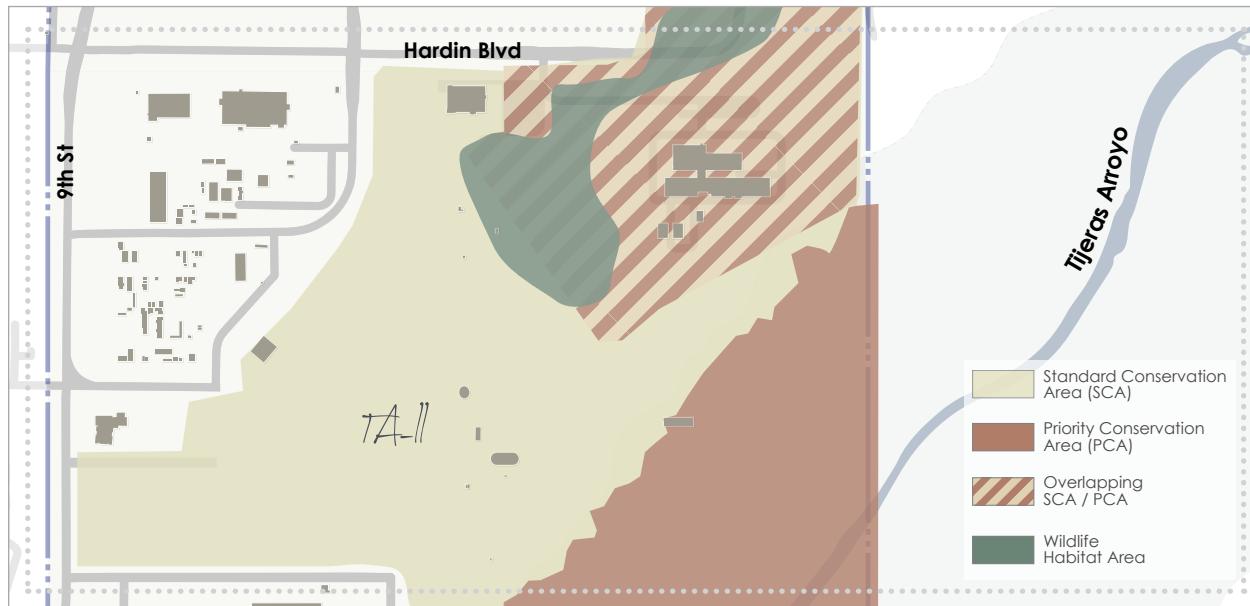


Environmentally Sensitive Areas

Respect environmentally sensitive areas that may affect siting and design of individual projects. Avoid development within these areas where possible.

- The Operational Area Environmental Evaluation (OAAE) identifies the environmental sensitivity of an area to help inform management decisions about where development may be prohibited, restricted, or subject to additional requirements to comply with federal and state laws and regulations
- The OAAE identifies conservation areas, which are tracts of land that it recommends be given protected status to ensure the safeguarding of natural features, cultural heritage, or biota
- The OAAE identifies:
 - The developable tracts of land within TA-II as a Standard Conservation Area (SCA) and the Tijeras Arroyo as a Priority Conservation Area (PCA)
 - A portion of land comprising the southeastern corner of TA-I and the northeastern corner of TA-II as an overlapping SCA/PCA, due to the presence of wildlife habitat areas
 - A number of environmental permits that may affect development
- The OAAE advises to consult subject area experts prior to development activities that may affect sensitive areas

Sensitive Areas — TA-II



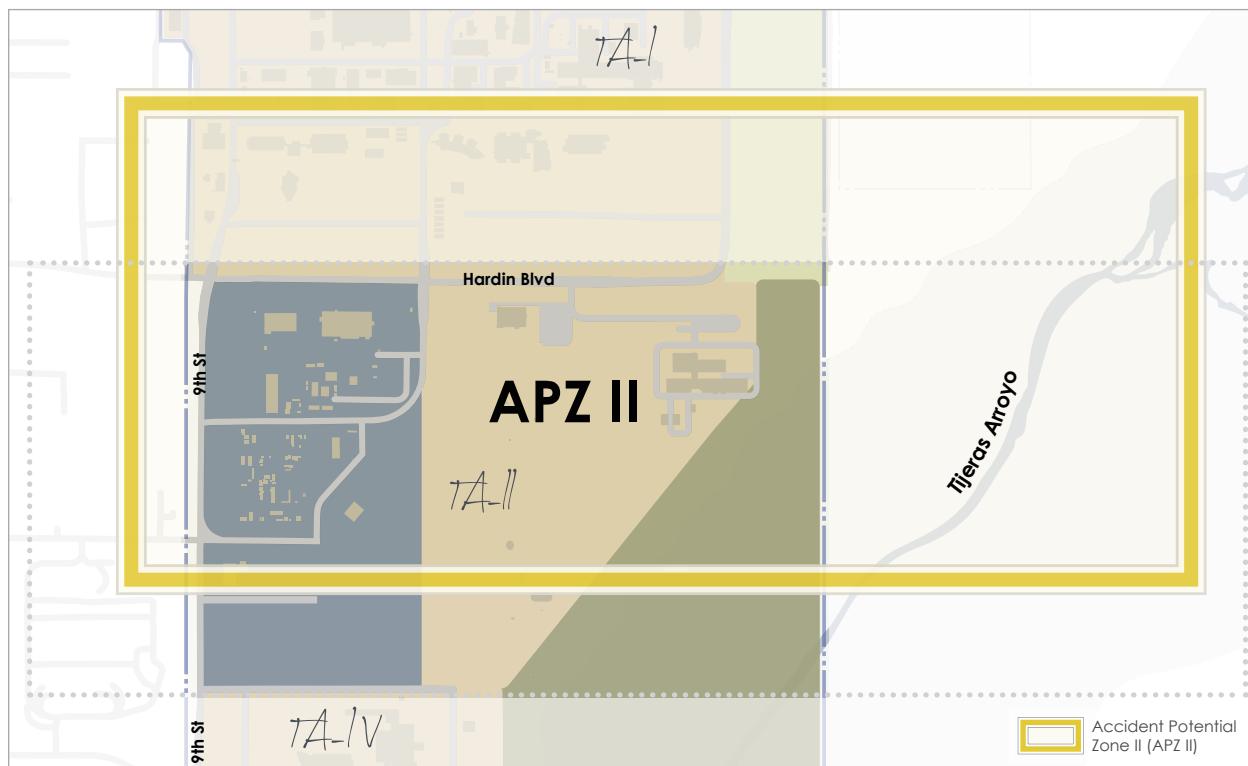
Aircraft Safety

Recommended land uses are compatible with designated aircraft accident potential zones.

- Most of TA-II lies under airplane flight paths associated with nearby Kirtland Air Force Base (KAFB) and Albuquerque International Sunport
- The Air Force designates certain zones to identify where the risk of aircraft accidents justifies special land use restrictions
- TA-II falls within Accidental Potential Zone II (APZ II) — the zone with the least hazard potential
- TA-II's anticipated land uses are compatible with Air Force recommendations

Air Force guidance considers high-density functions such as multi-story buildings, places of assembly, and high-density office uses to be appropriate within an APZ II zone

Aircraft Safety — TA-II



Source: Kirtland AFB Joint Land Use Study, 6/2010





Currently Contemplated Investments

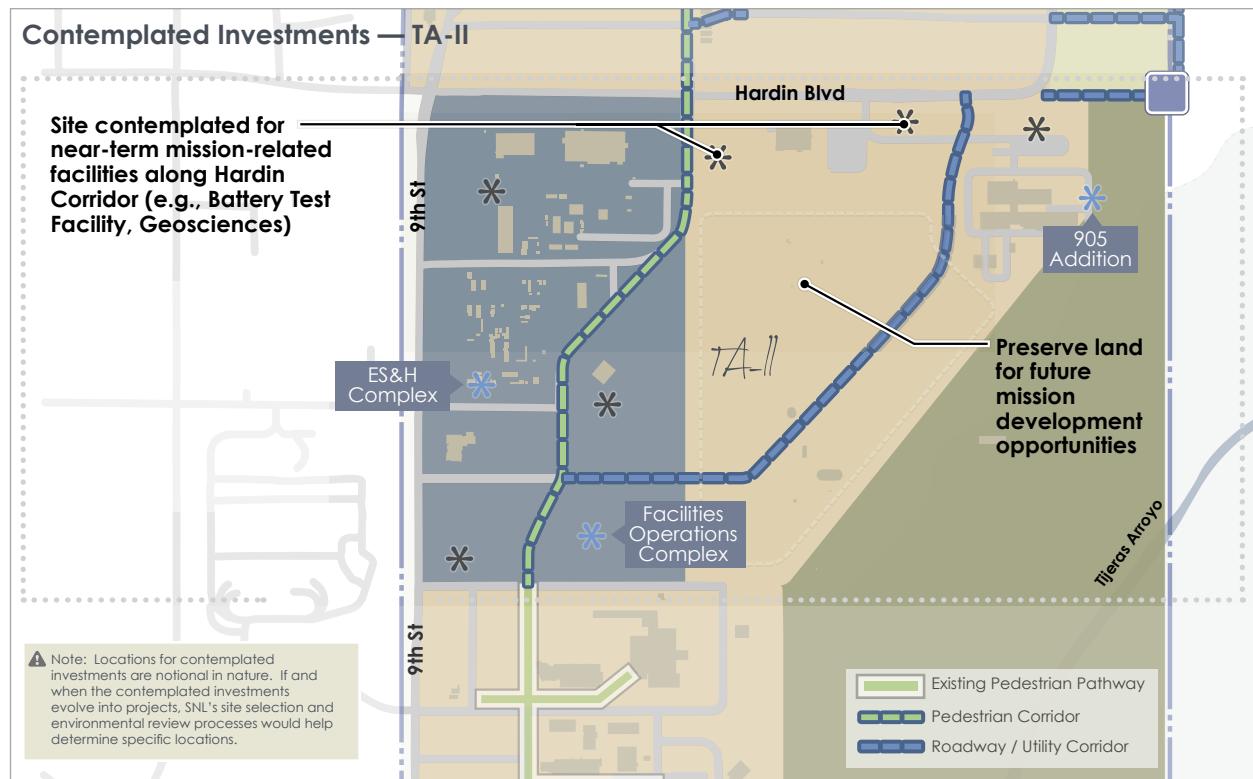
Make site investments to enable the area to accommodate future development. Relocate site-support functions and address specific mission-oriented needs.

Potential Site Investments

- Focus site investments to enable the area to accommodate further limited development
- Construct missing roadway connections
- Further extend the utility infrastructure within the core of the Sub-Area
- Invest in landscaping and screening improvements along 9th Street as consolidated mission support complexes are developed

Potential Facility Investments

- Site Support
 - Consolidated Environment, Safety and Health (ES&H) Complex
 - Corporate Site Storage
 - Consolidated Facilities and Operations Center
 - Emergency Operations Response Center
 - Consolidated Security Complex
- Mission-Oriented
 - Battery Test Facility
 - Building 905 Expansion
 - Geosciences Facility



📖 Key Source Documents for this Sub-Area Plan

- [TA-II Sub-Area Plan](#), 2009
- [Division 4000 Facilities and Infrastructure Plan](#), January 2014
- [Emerging Technical Center \(ETC\) Infrastructure Master Plan Study](#), September 2005
- [Consolidated Waste Management Facility Study](#), September 2003
- [Operational Area Environmental Evaluations \(OAE\)](#), September 2011
- [SNL Long-Range Development Framework](#), 2010; 2015



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