Cortaro 57 Specific Plan

Cortaro Farms Road @ Camino de Oeste Alignment Pima County, Arizona

Submitted to:

Pima County Development Services Department (DSD) Planning Division 201 N. Stone Avenue – 1st Floor Tucson, Arizona 85701

Prepared On Behalf of Property Owners:

Horizon Church, Inc. Tricar Investments, Inc. Cortaro Farms 15, LLC

Project Team:

Projects International, Inc. (Rezoning Manager) c/o Jim Portner, Principal 10836 E. Armada Lane Tucson, Arizona 85749 Cell Phone # 520.850.0917 Email: jportner@projectsintl.com

Baker & Associates Engineering, Inc. (Project Civil Engineer) 3561 E. Sunrise Drive – Suite 225 Tucson, Arizona 85718

> GRS Landscape Architects, LLC 35974 S. Desert Sun Drive Tucson, Arizona 85739

M. Esparza Engineering, LLC (Project Traffic Engineer) 2934 W. Salvia Drive Tucson, Arizona 85745

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I.A Forward

This Specific Plan (SP) applies to approximately fifty-seven (57) acres of land that will be masterplanned and developed under a unified vision through the joint efforts of three separate ownership interests, namely Cortaro Farms 15, LLC, Tricar Investments, Inc., and Horizon Church, Inc. The primary use envisioned for the Project is that of detached, single-family private residences, together with a small portion of neighborhood-level retail services. Secondary uses may also include garden offices and luxury rental homes. The Specific Plan will ensure that this complement of uses is developed in a coordinated fashion which not only accommodates their individual needs, but which also integrates and leverages them such that they complement and enhance one another. The Specific Plan vehicle also allows for due consideration of existing adjacent development and the provision of appropriate edge and buffering treatments where these existing uses abut the Property.

Toward this objective, the Project will be developed under a comprehensive approach that effectively weaves new residential neighborhoods and neighborhood-level





commercial/retail goods and services into the existing urbanized context. It will do so under a consistent aesthetic theme and project identity, thereby fostering a clear sense of place and reinforcing a focused, holistic community image.

I.A.1 Rationale for Using the Specific Plan (SP) Zone

The Specific Plan is the most appropriate entitlement vehicle for the Property for the following reasons:

- It provides flexibility not found in traditional zoning constructs to cohesively integrate the holdings of three separate property owners into a synergistic and functional whole.
- It provides the best construct for the development and regulatory enforcement of customized design and higher aesthetic standards throughout the Project.
- It is the most effective approach for facilitating a mix of housing styles, residential densities, and neighborhood-level retail/commercial, as well as their integration into an interconnected pedestrian, recreational and multi-modal framework.

• It provides a superior construct for developing and implementing a unique project vision, identity, and image.

From a land use perspective, the Subject Property is located within the established and expanding urban context that is the Cortaro Farms Road corridor. The Project represents infill development in every way, in that it is a veritable "hole in the donut" on the south side of Cortaro Farms Road that is bounded by existing residential subdivisions zoned CR-4 and CR-5 to the north, south and southeast. An existing subdivision within the Town of Marana (zoned R-6) adjoins the site to the immediate west.

While lower-density, unsubdivided legacy parcels still remain to the northeast and to the southwest, it is clear that Cortaro Farms Road now represents a major east-west corridor within the larger metropolitan urban matrix, making an increased density of development not only acceptable, but also appropriate for reasons including infrastructural efficiency and the furthering of our community's multi-modal & transit goals.

With all of the above in mind, the proposed Specific Plan represents a clear, justifiable and quintessential infill opportunity that will integrate and co-exist well within its established/ surrounding residential context.

I.A.2 Physical, Economic, & Environmental Suitability of the SP

The Specific Plan vehicle is wholly suitable for the regulatory administration of this Property. From a physical perspective, it abuts Cortaro Farms Road, a major east-west transportation corridor within the larger metropolitan matrix. This entire segment of the roadway was recently reconstructed to a full four-lane cross-section with landscaped medians, sidewalks and striped bike/ multi-use lanes along both sides of the roadway. This four-lane cross-section extends eastward to



Cortaro Farms Road

Oracle Road and westward to a major interchange with Interstate 10.

From an economic standpoint, development of the Property as a quality masterplanned community that offers a variety of housing types and complementary neighborhood-level retail and services will only serve to further strengthen a robust housing market, while providing convenient commercial goods and services to not only its own new residents, but to all of their existing neighbors already in the area. It is key that all new development within this important transportation corridor maintains a high standard that will support a position in the marketplace as a preferred and desirable housing sector.

From a different but no less important economic perspective, the Property will develop largely off of the existing, established framework of public infrastructure already in place, as opposed to necessitating any costly expansion of it. In fact, the only significant public improvement associated with this project, namely the extension of Camino de Oeste from its current dead-end to a new intersection with Cortaro Farms Road, will be designed and

Section I - Introduction & Policy Justification

constructed at developer expense. In a community whose historic pattern of sprawl and low-density development has led to chronic difficulties in paying for its public infrastructure, the importance of such infill development and developer-funded construction cannot be minimized. This project will integrate seamlessly and efficiently, over its entire build-out, with the existing infrastructure framework.

From the environmental perspective, the Property contains an appreciable natural floodplain corridor, which will be protected and preserved as an important natural open space

amenity for the residents. The site also features a large stand of specimen saguaros, together with a passel of Ironwood trees. While the saguaro community is substantial, it must also be noted that many of its specimens are of significant age and in declining health. The Specific Plan allows for specialized criteria and methodologies that can best deal with the unique characteristics of this particular stand in terms of preservation, transplantation, salvage and/or removal.



Lastly, the Property falls within the Multi-Use Management Area (MUMA) and Special Species Management Area (SSMA) categories of the Maeveen Marie Behan Conservation Lands System (CLS). Full compliance with CLS policies will be achieved through a combination of on-site natural set-asides (the aforementioned floodplain corridor) and off-site mitigation lands.

I.A.3 General Compatibility of the SP with Adjoining Land Uses

The proposed Specific Plan is entirely compatible with its existing adjoining uses. To the north, west, south, southeast, and east are existing residential subdivisions of generally similar character to that which is proposed. This project will integrate nicely into this established residential mix.

Quail Run Elementary School lies immediately north across Cortaro Farms Road. With the extension of Camino de Oeste, a direct transportation link will now be provided to Quail Run from not only the Specific Plan site, but from the thousands of existing homes that already feed the School from the south.

To the northeast and southwest lie lower-density and unsubdivided properties, some of which are occupied with existing residents and some of which are vacant preserves. The redevelopment of these legacy properties is highly unlikely. The Specific Plan is well separated from these by Cortaro Farms Road, and also incorporates appropriate buffers to respect the neighboring lands.

I.B Introduction & Guiding Principles

This Section provides a general overview of the proposed Specific Plan project, its planned development program, and the goals and objectives that guide this SP. The details and specific standards of this program are provided in Section II (Specific Plan Proposal) of this document.

I.B.1 Project Location

The Specific Plan is comprised of approximately fifty-seven (57) acres of vacant land located on the south side of Cortaro Farms Road, approximately one (1) mile west of Thornydale Road. Ultimately, Camino de Oeste will effectively bisect the Property; it presently dead-ends at the south boundary of the SP, but will be extended northward through it as part of this development program, so as to provide a new connection and intersection with Cortaro Farms Road. See Exhibits 1.1 & 1.2 for its Regional Location and more detailed Site Location, both of which also illustrate the various nearby uses that define the site's existing context. The Property is presently composed of four (4) tax parcels, these being Nos. 221-16-029D, 221-16-029E, 225-33-059M, and 225-33-059R.

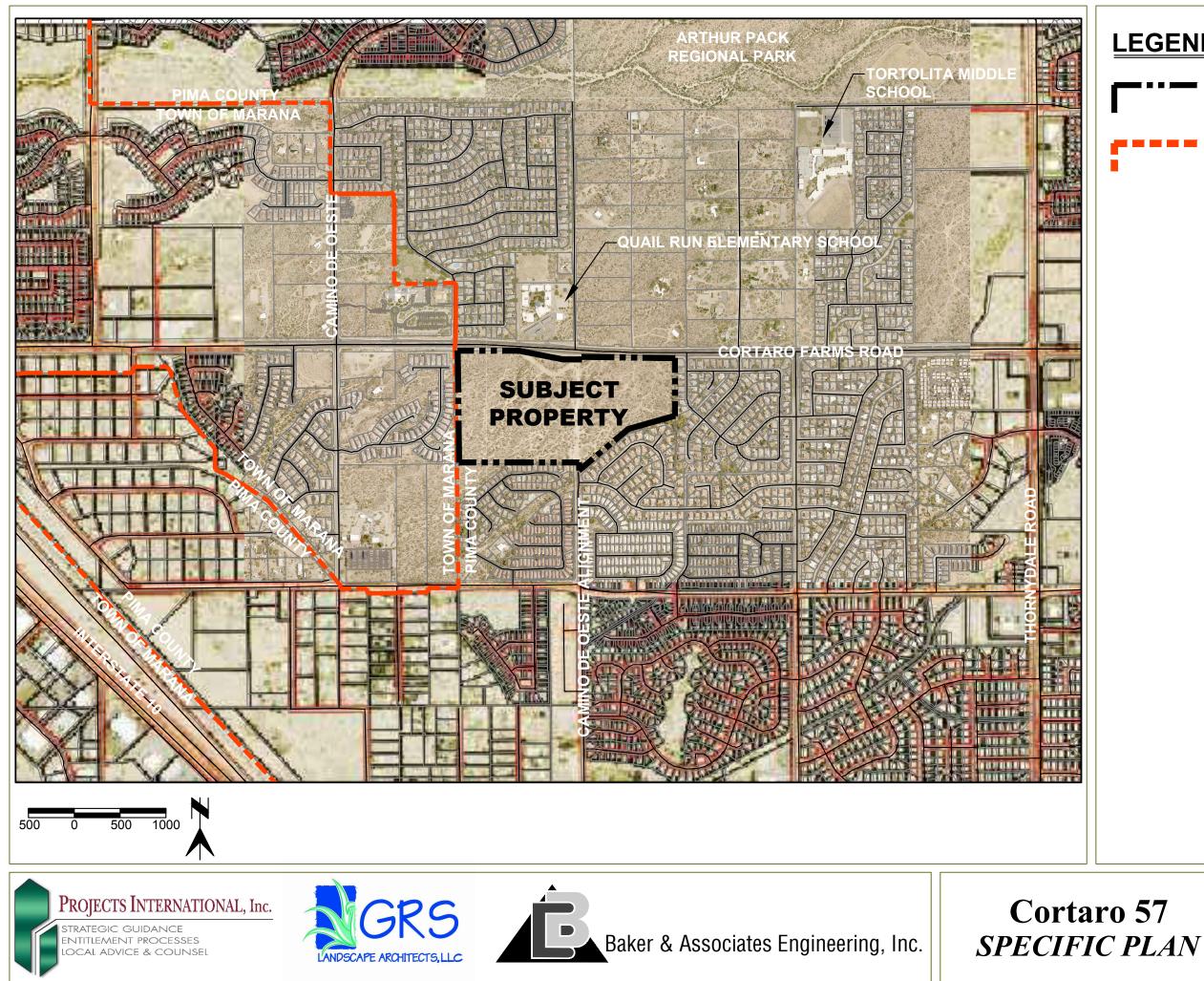
I.B.2 Property Ownership

The Property is owned by three (3) separate entities, namely Cortaro Farms 15, LLC, Tricar Investments, Inc., and Horizon Church, Inc. These owners are working jointly on this Specific Plan so as to provide a common, integrated design and imaging for the site.

I.B.3 Historic and Existing Uses of the Site

The Property is currently vacant. Various portions of it have been disturbed by past activities, including the recent reconstruction of Cortaro Farms Road, wherein a portion of the site was used for construction-staging purposes. The future Camino de Oeste public right-of-way, which will extend northward through the site, has been wholly cleared in a wide swath for the installation of a existing public sewer and water lines. Numerous wildcat paths and trails, apparently used by pedestrians, dirt-bikers or off-road vehicles, also scar the Property. There is evidence of native plant theft, wildcat dumping, vandalism, and homeless encampments. All of these further justify development of the property as a new residential community.



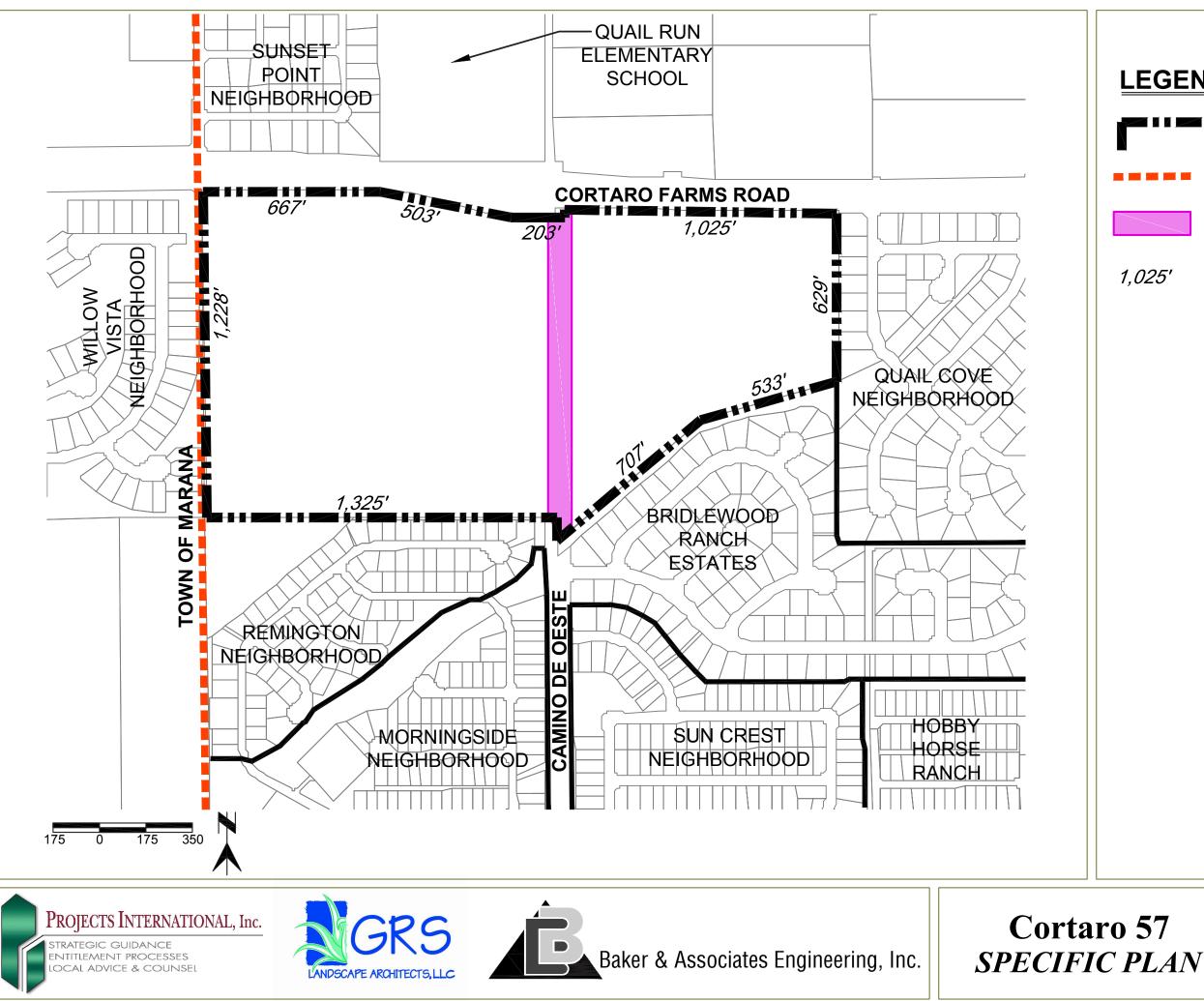


LEGEND

Boundary of Specific Plan Subject Property

Town/County Limits





LEGEND

	Boundary of Subject Specific Plan
	Town of Marana Limits
	Future 80' Right-of-Way Dedication by this project for extension of Camino de Oeste to new Intersection with Cortaro Farms Road.
025'	Boundary Dimension, Typ.



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I.B.4 General Description of Proposed Project

The proposed project will be primarily composed of detached, single-family residential neighborhoods, together with a small site for neighborhood-level commercial goods and services abutting Cortaro Farms Road (at its future intersection with the extension of Camino de Oeste). Secondary-use options include garden offices and luxury rental homes.

The residential neighborhoods will include small pocket parks to provide for both active and passive recreational activities, special events, and the overall enhancement of the community's social fabric. Street sidewalks will provide linkages to adjacent public streets so as to foster both internal and regional pedestrian connectivity.

Access to the Specific Plan will occur only via Cortaro Farms Road and the new extension of Camino de Oeste through the Property. No vehicular access will occur into any of the adjacent residential neighborhoods.

I.B.5 Project Goals and Standard of Quality

The overarching goal of this Specific Plan is to create an integrated community where

the new residential communities and proposed neighborhood-level commercial/retail uses functionally complement and benefit from each other, implementing a consistent level of quality, aesthetics and image for the entire project that knits nicely into the existing matrix of surrounding residential subdivisions. The detailed development concept and regulatory criteria presented in Section II of this document (Specific Plan Proposal) provide the regulatory controls and procedural mechanisms to ensure this overarching goal is achieved.



a. Guiding Objectives

This Specific Plan intends to create a dynamic residential community that carefully integrates its new neighborhoods with those existing ones around it, and which will provide a variety of housing types and styles that will attract a diverse population of active residents, set and maintain a high standard in the Tucson market, meet the full measure of resident needs and preferences, and generally help elevate the local housing market by providing choices that are fresh, exciting, and innovative.





Beyond this, there is the important sub-goal of creating and fostering a truly Living Community, a term which is defined on several levels. First, it means that the community's primary purpose is to serve the lives of its residents. This purpose cannot be achieved by simply constructing a conventional production-home community with cookie-cutter offerings. It is realized by understanding resident needs, preferences, hopes, and expectations, and then by helping implement these

through buyer-inspired housing products, floorplans, site amenities, and resident services.

On a second level, the term Living Community stresses the fact that the community itself is an evolving entity. This approach demands input from existing residents and potential buyers on an on-going basis, and the critical evaluation of each completed neighborhood to determine the extent to which it works as intended and/or whether modifications and refinements are needed going forward in subsequent phases. A Living Community naturally adapts and evolves over time to improve itself... and thereby best serves the lives of its residents.



With all of this in mind, the appropriateness and need for this project to proceed under a Specific Plan is clear. A dynamic, evolving community is a combination of: 1) basic principles of high quality and design and that are inviolate and 2) flexible implementation measures that provide for responsiveness to ever-changing market demands. Only the Specific Plan vehicle can strike this balance.

b. Specific Goals, Purpose and Intent of this SP

The specific goals of this Specific Plan (SP) are as follows:

- Ensure a thoughtfully designed and executed residential community with complementary neighborhood-level retail and services that will fit well into its surrounding context,
- Execute a clear and defined project vision and image through quality design and detailing which, by doing so, serves as a notable example of the built environment within the Cortaro Farms Road corridor and in the Tucson community at large,
- Provide for development flexibility going forward and ensure the ability to respond to changing market conditions and preferences within an established regulatory framework,
- Bring the three underlying ownership entities under a single umbrella that ensures a consistent image and level or quality for the entire Property, and thereby avoid development that might otherwise occur in piecemeal, disparate fashion.
- Functionally integrate the Project's internal components as a cohesive whole, but also effectively knit it into the surrounding developed area in a manner that is considerate and respectful of our neighbors.
- Provide Pima County staff with an effective and easily interpreted regulatory tool for managing the on-going review and permitting of the Project over its entire build-out.

Section I - Introduction & Policy Justification

I.C Conformance with Pima Prospers

Regulatory direction for this Specific Plan is provided by Pima Prospers (the formal Pima County comprehensive plan), together with higher-level policy guidance by the Arizona Growing Smarter Act and the Smart Growth Network. Further detail is provided below.

I.C.1 Pima Prospers Guiding Land Use & Growth Policies

As already mentioned, the Property is primarily envisioned as a single-family residential community. It's prevailing density and character shall be generally in-keeping with the matrix of residential subdivisions already adjoining and/ or nearby to the Site. This primary land use, together with the proposed neighborhood-level commercial/retail component, is justified in light of the established residential context already predominating the area, together with the fact that Cortaro Farms Road (especially in light of its recent reconstruction into a four-lane divided arterial) clearly represents a major eastwest transportation corridor within the larger region. This proposed Specific Plan represents quintessential infill development that furthers and conforms with manifold adopted land planning policies and principles; these are discussed in more detail below.



a. Implementation of Pima Prospers (Comprehensive Plan) Policies

The proposed Specific Plan complies with or furthers the Pima Prospers policies discussed below. The pertinent policies are contained in the following two primary Chapters:

- Chapter 3: Use of Land (Land Use, Conservation, Housing & Community Design, and Cultural Resources Elements)
- Chapter 4: Physical Infrastructure Connectivity (Transportation, Water Resources, Wastewater Treatment, Trails, Flood Control & Drainage, and Infrastructure Concurrency Elements)

These are discussed in detail below.

Chapter 3.1 -- Land Use Element

The Land Use Element integrates land-use development strategies with physical infrastructure, human infrastructure, economic development and resource conservation to ensure the long-range viability of the region. The following specific policies apply:

Goal 1: Integrate Land Use strategies with physical infrastructure, human infrastructure, economic development, and resource conservation to ensure long-range viability of the region.

Policy 1. Promote land use patterns that support healthy people, a healthy environment, and a healthy economy.

Policy 2. Provide an appropriate mix of uses that: a) supports a balance of housing, employment, shopping, recreation, and civic uses; b) furthers expansion of economic development goals; c) recognizes the dominant suburban growth pattern within the metropolitan area and the dominant rural growth pattern outside of the metropolitan area; d) promote the integrated and efficient use of public infrastructure and services; and e) conserves, protects and maintains culturally and biologically important lands.

Policy 4. Support land uses, densities and intensities appropriate for the urban, suburban and rural areas of the County.

Policy 5. Include regulatory floodplains and regulated riparian habitat areas as open space priorities to maintain hydrologic integrity, wildlife corridor connectivity and contiguous open space corridors.

Policy 6. Promote a compact form of development in urban and suburban areas where infrastructure is planned or already in place and the market is receptive.

Policy 8. Require all mixed-use developments to incorporate design elements for walkability, bikeability, and access to work, school, and public infrastructure.

The proposed project further diversifies the existing land-use mix of the area by providing for a variety of housing types and densities that are compatible and consistent with their established context, while also integrating desirable neighborhood-level retail goods and services. This mix complements the predominant residential character of the immediate area, while also offering convenient services to all surrounding residents. The Project will ensure appropriate on-site buffering and screening of these neighbors and be of a human scale that visually integrates well with them.

Compact development is achieved by preserving the existing natural floodplain corridor which traverses the property from northeast to southwest, and by accordingly concentrating residential development in the adjacent upland areas. This approach preserves an important regulatory drainage area, while also providing a valuable open-space amenity to on-site residents for walking trails and passive recreation. With respect to multi-modal connectivity, sidewalks will be provided along all new residential streets and furnish direct linkages to Camino de Oeste and to the existing multi-use/bike paths and sidewalks along Cortaro Farms Road. These linkages provide for connectivity with nearby Quail Run Elementary School, as well as with the important public and private cultural elements in the region. These include the Tucson Audubon Society and Arthur Pack Regional Park & Golf Course, together with the large dedicated public preserve (approximately forty-five acres of Pima County owned lands) at the northwest corner of Cortaro Farms Road and Thornydale Road.

Chapter 3.4 – Environmental Element

The Environmental Element calls for analysis, policies and strategies to address the anticipated effects of implementing the various Pima Prospers plan elements on existing natural resources. Conservation actions are to be encouraged, and the protection of biological resources is considered an essential component of land-use planning. The specific policies outlined in the Environmental Element largely detail the application and administration of the Maeveen Marian Behan Conservation Lands System, which is colloquially referred to as the CLS.

The Project fully implements the goals and intent of the CLS. The site is designated as Multiple Use Management Area (MUMA) and is also subject to the CLS Special-Species Management Area (SSMA) overlay. As mentioned above, this Specific Plan will preserve and set aside the existing regulatory floodplain corridor that bisects the Property; this set-aside represents the Project's on-site contribution towards full compliance with the CLS. Supplemental off-site mitigation lands will satisfy our remaining CLS obligations and be furnished by the developer at the time of future subdivision platting; these will be duly coordinated with the Pima County Office of Sustainability and Conservation.

Chapter 3.5 – Housing and Community Design Element

The Housing and Community Design Element addresses the provision of a wide variety of housing to meet varying needs, access to services and supplies, safe and healthy housing, and fair practices. The following stated goals apply:

Goal 1: Create livable, viable, multi-generational communities.

Goal 2: Maintain a safe and healthy housing stock.

Goal 8: Ensure that all development and redevelopment is generally compatible and scale-appropriate.

Goal 9: Support quality development at appropriate scales in urban and suburban areas.

Goal 10: Ensure that all new development and redevelopment reflects the character and sense of place of the area.

This Specific Plan ensures density-appropriate residential development and complementary neighborhood-level goods and services along a major public arterial roadway (Cortaro Farms Road) and within a well-established residential setting. Developing the Property under the Specific Plan umbrella is the best method of ensuring a uniform set of standards, design guidelines, and development standards, thereby constituting the best vehicle for achieving a higher overall level of Project quality, aesthetics, and image.

Specific development standards and guidelines are provided in this document to ensure same and to further enhance the established sense of place that is defined by the area's existing residential neighborhoods, and to provide for a variety of housing products at different levels of affordability.

Chapter 4.1 – Transportation Element

The Transportation Element addresses existing and proposed roadways, bicycle and pedestrian routes and correlates with the land use and economic development goals of Pima Prospers. The following policies apply:

Goal 1: Provide a comprehensive and multi-modal transportation system while providing mobility for all users and goods, and all modes of travel including automobile, transit, bicycling, and walking which will reduce carbon emissions.

Policy 1. Manage traffic congestion and demand through capacity improvements, land use decision, transit service and other comprehensive strategies.

Policy 3. Support multi-modal transportation and transit-oriented development to improve mobility and reduce traffic congestion.

The presently non-existent segment of Camino de Oeste through the Specific Plan site will be constructed with this Project so as to now connect with Cortaro Farms Road. The final specifics and design parameters of this new segment will be determined by the Pima County Department of Transportation (PCDOT) at the time of future engineering.

That being the case, we nonetheless envision a three-lane cross-section with striped shoulders on both sides of the street; the latter will jointly serve as multiuse and bicycle lanes. A separate sidewalk or meandering pedestrian path will also be provided on both sides of this new roadway segment so as to provide multi-modal connectivity to Cortaro Farms Road, where public bike paths and pedestrian sidewalks already exist. These new multi-modal features will further be physically tied to the Project's internal system of sidewalks and bike/ pedestrian ways, thereby providing a new network of multi-modal connectivity that knits together the Cortaro Farms Road and Camino de Oeste corridors. This network not only benefits this Project's new residents, but also the thousands of homes and residents living south of the site. In keeping with Pima County's objective of providing safe streets and access to nearby schools, all new streets within the Project will provide a system of concrete sidewalks that ensure safe walking routes for children to both Camino de Oeste and Cortaro Farms Road. A designated pedestrian crossing of the latter may also be warranted at some time in the future to serve Quail Run Elementary School; this issue is one to be determined via future discussions with the Pima County Department of Transportation (PCDOT) and the Marana Unified School District (MUSD).

A full preliminary Traffic Impact Analysis (TIA) is furnished with this Specific Plan so as to identify, up front, all pertinent traffic-related issues. All new vehicular traffic generated by the Project will be routed directly to Cortaro Farms Road and Camino de Oeste only. No traffic from this project will be directed into any adjacent neighborhood;

Chapter 4.2 – Water Resources Element

While Pima County is not a potable water provider, it does fulfill the role of analyzing known water supply and demand as it pertains to all newly proposed development to determine whether there is negative impact on the overall water supply.

Goal 3: Support efficient water demand management practices and strategies that protect both local and basin-wide water supplies.

Policy 9. Conduct a Water Resource Impact Assessment on any rezoning that requires a site analysis, which shall include a Water Supply Impact Review, plus information provided by the applicant in a Preliminary Integrated Water Manage Plan (PIWMP).

The proposed plan amendment site will be served by Tucson Water. It will be evaluated by PCRFCD staff for current and projected groundwater depth and other pertinent factors. Provisions for a Preliminary Integrated Water Management Plan (PIWMP) have been made in this Specific Plan; the PIWMP will detail the project's specific water conservation measures being employed by the Project and will be finalized at the time of future subdivision platting. These measures will include water-harvesting and run-off containment, grey-water systems, and specific site-planning and building construction measures.

Chapter 4.4 – Wastewater Treatment Element

The Wastewater Treatment Element addresses Pima County's responsibilities in designing, managing, and maintaining the public sanitary sewer system.

Goal 1: Efficiently manage and operate the County's wastewater system.

Policy 3. Encourage growth in areas with or in close proximity to existing infrastructure.

Policy 4. Utilize existing right-of-way for the placement and realignment of public sewer systems.

Policy 5. Continue to support development of regional economic opportunities and new development through well-planned, infill sewer system capacity expansions.

With respect to sewer line infrastructure, the Project will connect to existing wastewater conveyance infrastructure already in place. Extensions of the public system into and throughout the subject property will be funded exclusively on a private basis and meet all applicable design, access, and construction parameters of the Pima County Regional Wastewater Reclamation Department.

Chapter 4.8 – Trails Element

The Trails Element addresses implementation of the Pima Regional Trail System Master Plan, which is the County's blueprint of a high-quality, interconnected, multi-modal regional trail system in Eastern Pima County. The following policies apply:

Goal 1: Continue to support the development of a high-quality, integrated and multi-use trail system countywide trail system.

Policy 4. Continue to require dedication of trails identified in the Pima Regional Trail System Master Plan as a condition of all rezoning approvals.

Policy 10. Continue to ensure that Residential Recreation Areas comply with the following: a) available for the use and enjoyment of subdivision residents; b) protect and enhance community health and quality of life; and c) meet minimum standards for safety and efficacy.

This Specific Plan details the Regional Trail System Trail Master Plan as it applies to the Property. Any special easements or points of connectivity necessary to implement the Master Plan will be furnished accordingly at the time of future subdivision platting.

On-site recreation will be provided through neighborhood parks, small private recreation areas, and a limited system of walking trails within a planned corridor being set-aside as natural area. Supplemental in-lieu fees, if applicable, will also be paid by the developer towards public park improvements throughout the region as mandated by ordinance.

Chapter 4.9 – Flood Control and Drainage Element

The Flood Control and Drainage Element articulates County responsibilities, through the Pima County Regional Flood Control District (RFCD), for overall floodplain management, administration of all requirements pertaining to the National Flood Insurance Program, and to review and regulate all proposed private development for conformance with Floodplain Ordinance requirements.

Goal 1: Minimize flood and erosion damages for all County residents, property and infrastructure.

Policy 1. Continue to monitor, control and manage natural resources to minimize flood and erosion damages by implementing the Floodplain Management Ordinance and addressing the impact of new development on flooding, erosion and riparian habitat.

Policy 3. Preserve washes with a base flood peak discharge equal to or greater than 100 cfs in their natural condition.

Goal 2: Manage stormwater to protect lives and property, to reduce flood risk and to assure no adverse impact to adjacent or downstream properties.

Policy 1. Require new development to comply with all applicable requirements of the Floodplain Management Ordinance addressing the impact of development on flooding, erosion and riparian habitat.

Policy 2. Require all new development to comply with all applicable provisions establishing minimum standards for site grading, drainage and design.

All surface drainage and hydrologic design will proceed in full conformance and coordination with the Pima County Regional Flood Control District (PCRFCD), both during the Specific Plan (rezoning) process and during future residential subdivision platting. All vehicular drainage crossings and any pedestrian trails will proceed in close coordination with RFCD staff and with the Pima County Office of Sustainability and Conservation. All such resources will be treated in accordance with adopted preservation policies found in the CLS and in those related ordinances enforced by the District.

Chapter 4.10 – Infrastructure Concurrency Element

This Element describes the on-going administration of the Pima County Concurrency Management System so as to ensure that public infrastructure improvements are keeping pace with new development and to ensure that new development makes its fair-share contribution to needed infrastructure improvements.

Goal 1: Update and expand the existing Concurrency Management System which guides development to areas with in-place or planned infrastructure.

Policy 2. Ensure that the Concurrency Management System review for all rezonings and specific plans includes an evaluation of: a) wastewater treatment capacity; b) flood control infrastructure and drainage capacity; c) potable water supply infrastructure and capacity; d) transportation infrastructure and capacity; e) parks and recreation, f) school capacity impacts; and g) cost of development.

Policy 3. Require that needed infrastructure improvements be provided concurrently with development.

Existing or planned public infrastructure necessary to serve the Specific Plan is already in place, with the exception of Camino de Oeste, which presently deadends at the south boundary of the Property. This street is a designated Collector on the Pima County Major Streets and Routes Plan (MSRP). Concurrency requirements will require that this last segment of Camino de Oeste be constructed in conjunction this Specific Plan. The developer will satisfy this obligation by providing for the actual construction of this remaining roadway segment, or by providing a fair-share financial contribution as determined by the Department of Transportation (PCDOT).

b. Implementation of Growing Smarter Act

The proposed Specific Plan also helps implement multiple principles embodied in the original Arizona Growing Smarter Act that was first signed into law by the Arizona State Legislature in 1998. The Act mandated that all Arizona communities and counties formulate and adopt their own comprehensive plan to ensure more intelligent, coordinated growth going forward. To guide such efforts on a national basis, a set of Smart Growth Principles has been formulated by the Smart Growth Network (SGN). These are individually discussed below:

Foster a Mix of Land Uses

Given the emerging urbanization already generally ongoing in the area, considering the four-lane arterial nature of Cortaro Farms Road, and taking into account the Property's immediate context of existing single-family neighborhoods, the site is best developed primarily as a similar single-family residential subdivision that fits with its immediate neighbors. That being said, however, neighborhood-level commercial/retail is not only an appropriate component, but a needed one to provide convenient goods and/or services to the immediate population. The "mix of land uses" objective is thereby served, especially when considering the existing elementary school immediately across the street, the nearby public preserves that extend from Cortaro Farms Road all the way northward to the Audubon Society and Arthur Pack Park, and the major activity center that exists no more than a mile west at the interchange of Cortaro Farms Road and Interstate 10.

Take Advantage of Compact Building Design

The Project will locate its proposed single-family residential units in a compact spatial arrangement that affords the opportunity for efficient on-site infrastructure while, at the same time, establishing an important open space corridor element that is valuable from a preservation, wildlife and amenity perspective. Towards this end, the existing unnamed drainage corridor and associated floodplain that traverses the western portion of the Site will be set-aside as a preserved natural area. The clustering of development shall occur uses in the upland areas of the Property.

Create a Range of Housing Opportunities and Choices

The single-family residential portion of this Specific Plan will afford a variety of housing styles, floorplans and neighborhood feel. In addition, the Plan allows for secondary residential uses such as luxury rental homes. This structure furthers the objective of providing housing options that serve different sectors of the market and which provide the resident with different lifestyle experiences.

Foster Distinctive, Attractive Communities with a Strong Sense of Place

A Specific Plan is the best vehicle for implementing this objective, in that it mandates a clear framework of integrated design guidelines and development standards across the entire Project. This framework results in a consistent level of overall aesthetic quality and attractiveness, as well as a uniform and distinctive image that gives the Project its own unique identity while still integrating easily into the established context of homes.

Multi-Modal Transportation Opportunities

Further expansion of residential development throughout the Cortaro Farms Road transportation corridor will clearly contribute to our community's larger regional opportunities for multi-modal transportation. The corridor extends from Interstate 10 eastward to Oracle Road, along its path intersecting with several major north-south corridors, including Thornydale Road, La Cholla Boulevard, and La Canada Drive. The continued growth in population within this corridor builds growing demand for enhanced transit and multi-modal offerings in the future.

Rational Infrastructure Expansion and Improvements

Intelligent and efficient growth demands the intelligent and efficient use of established, existing public infrastructure rather than the continued outward expansion of it. The proposed Specific Plan will be served wholly by the site-convenient public utility infrastructure already adjoining the property. The developer will also make their fair share contribution, in the form of construction

and/or financial commitments, to provide for the completion of Camino de Oeste, through the Project acreage, to its planned new intersection with Cortaro Farms Road.

Conservation/Preservation of Natural Resources and Open Space

As discussed earlier, the entire Specific Plan falls within the Multiple Use Management Area (MUMA) classification of the Conservation Lands System (CLS) and is also subject to its Special-Species Management Area (SSMA) overlay, thereby increasing the CLS's established conservation and mitigation goals. The site's diagonal drainage corridor will be preserved as a natural open space amenity; this will represent a significant on-site contribution towards full CLS compliance. Suitable off-site habitat, acceptable to the Pima County Office of Sustainability & Conservation, will also be provided to fully meet the CLS's mitigation thresholds.

I.C.2 Existing & Proposed Pima Prospers Designations

The current comprehensive plan designation for the majority of the subject Property is Low Intensity Urban (LIU) 0.3. The easternmost seventeen (17) acres of the site is designated as Medium Intensity Urban (MIU), which is the result of an approved amendment to the comprehensive plan under Case No. Co7-08-08. The applicant's original request in that case was for Multi-Functional Corridor (MFC), which was in line with their intentions to pursue commercial and other non-residential uses. That request was ultimately modified to MIU when the applicant agreed to scale back their plans and instead proceed with an assisted living facility.

Rezoning Policy RP-120 was adopted in conjunction with the above MIU approval on the eastern 17 acres, that made it subject to the following:

- 1. A letter of intent to serve from a water service provider shall be submitted as part of any subsequent rezoning application. If the letter of intent to serve is from a service provider other than Tucson Water, the applicant will provide document as to why Tucson Water is unable to provide service.
- 2. Compliance with the Conservation Lands System (CLS) will be achieved to the greatest extent possible. On-site mitigation may occur anywhere on the site and will include open space on the north, east, and south portions of the property, with a minimum width of 125' of open space on the east and the south.
- 3. Future rezoning will be restricted to TR (Transitional Zone).

The above policies affect only to the eastern 17 acres of the overall Specific Plan property. Yet, for all intents and purposes, the bulk of their purpose will be realized over the entire fifty-seven (57) acres of this development:

- Tucson Water will service the entire SP site; same is described further in Sec. II-F.2 of this document,
- The Specific Plan will fully comply with the Conservation Lands System through a combination of on-site natural area set-asides and off-site mitigation lands.

- The 125' setback will not be maintained with the proposed Specific Plan. This setback dimension was promulgated under an originally proposed non-residential use. This Specific Plan proposes residential uses on these same lands, together with sufficient setbacks and buffering of the adjacent/existing residential neighborhoods.
- The new zoning designation for the entire Specific Plan property will be SP, not TR. The eastern 17 acres was originally targeted for non-residential uses. The TR zone restriction was therefore applied so as to limit these non-residential uses to only those lesser intensive ones permitted under the TR zoning category. The proposed Specific Plan intends uses that are less intensive than those permitted in TR.

The requested comprehensive plan designation for this Specific Plan property is Planned Development Community (PDC), which is a category reserved exclusively for masterplanned projects promulgated under Section 18.90 of the Zoning Code.

I.C.3 Applicable Overlay Zones & Special-Area Policies

At the time of this submittal, no Special-Area policies apply, or are proposed or anticipated, in conjunction with this Specific Plan. On-going discussions with staff and stakeholders will occur throughout the rezoning process, which may result in such Policies being promulgated and refined as circumstances warrant.

I.D Community Issues & Benefits

This Specific Plan will result in significant community benefits to the immediate area, the Cortaro Farms Road Corridor, and the region at large.

I.D.1 Benefits to the Community

This Specific Plan facilitates the following direct benefits to the community:

- It embodies responsible infill development within an already-urbanized context that will integrate, both functionally and aesthetically, with the established complement of residential neighborhoods in the area.
- It ensures a quality of development, consistent aesthetic, and uniform imaging for the entire Project that can only serve to enhance the overall appearance of the area and the property values of its entire surroundings.
- It brings the existing three underlying property owners under this single, consistent framework, thereby avoiding the prospect of uncoordinated, disparate development that might otherwise occur if each proceeded independently.
- It will be served almost entirely off of existing public infrastructure already in place. The only infrastructure "expansion" involved is the sorely needed extension of Camino de Oeste through the Property to its intersection with Cortaro Farms Road. This last segment has been identified on the adopted Major Streets and Routes Plan (MSRP) for decades and will be constructed by the developer in conjunction with this Project.

- Completion of Camino de Oeste as described above opens up direct access to Cortaro Farms Road for the thousands of homes that exist to the south but which had to, heretofore, use circuitous routes to travel northward. Overall access and circulation will be greatly enhanced for all concerned.
- The same circulation benefits accrue to the Marana Unified School District, in that its bus routing will now be far more efficient, and to all of the hundreds of existing families with children attending Quail Canyon Elementary school north of the Site.

I.D.2 Public Participation & Neighborhood Outreach Program

So as to ensure substantive input and feedback during the rezoning process, this Specific Plan will proceed with on-going discussions and interactions with affected neighborhoods, homeowner association leaders, and other stakeholders such as the Coalition for Sonoran Desert Protection. Issues that arise during these interactions will be addressed in good faith between the parties and reflected as appropriate within the final Specific Plan document.

Section II : Specific Plan Land-Use Proposal

II.A Proposed Specific Plan Overview

This Property will be planned and developed under a comprehensive, unified vision through the joint efforts of the three underlying property owners. It represents a definitive infill project, in that it is located within an already urbanized transportation corridor, is adjoined by existing residential development on nearly all sides, and is readily served by existing transportation and utility infrastructure.

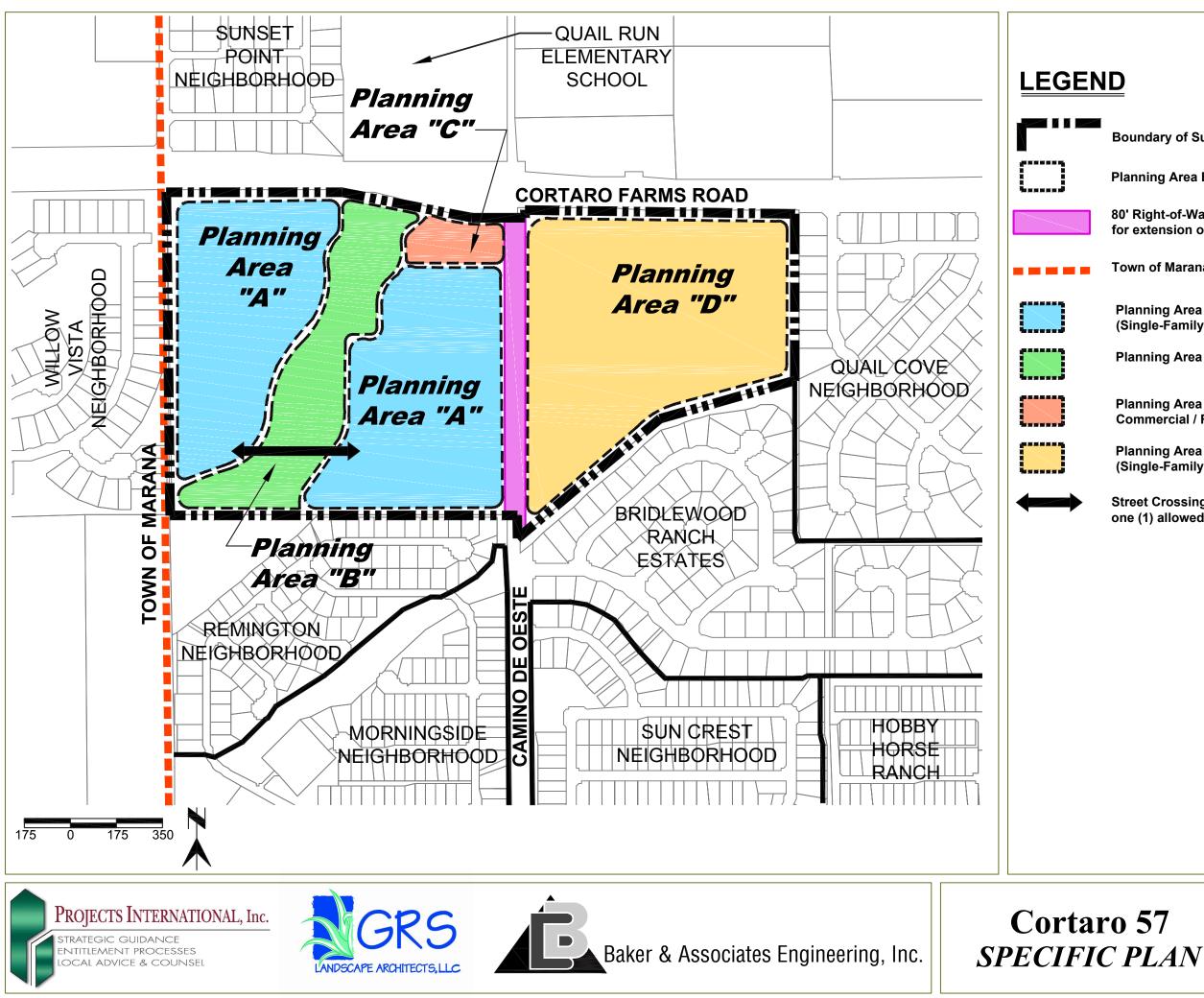
The Project is primarily a residential community of similar type and character to those already abutting it, together with a small commercial site for neighborhood-appropriate retail goods and services. Potential secondary uses within the Specific Plan include garden or medical offices (within the commercial site) and luxury rental homes. This document will ensure these various uses are designed and developed in a coordinated fashion which not only accommodates their respective individual needs, but which also integrates and leverages them such that they complement and enhance one another, and assimilates them into the surrounding development matrix with appropriate buffering of existing development. In doing so, it will implement a consistent aesthetic theme and project identity so as to foster a clear sense of place and promote a focused, holistic community image.

The Project will protect and set-aside a large natural floodplain corridor for both postdevelopment drainage and as an important community amenity. Each residential block will be anchored around its own neighborhood park, providing a distinct node for both active and passive recreational activities and special events, all toward the enhancement of the community's overall social fabric. Pedestrian connectivity will be implemented between these nodes and a small nature trail routed within the preserved floodplain corridor.

Exhibit II.1 illustrates the overall schematic concept for the project, as well as the specific Planning Areas (PA's) that collectively define this Specific Plan to accommodate its above major uses. Table II.1 provides a breakdown of the various PA's, their primary/secondary uses, and their associated acreages and density ranges. Appendix "A" includes two site plan concepts that depict potential build-out scenarios for the Project. Please note that these are provided for illustrative purposes only, since the exact specifics as to lot product, final commercial/retail tenants, etc. cannot be determined with certainty until the time of future market forces and subdivision platting. Changing market conditions and buyer preferences over time will surely result in minor refinements to the ultimate build-out program. Such market forces speak to the need for flexibility and support the various *Living Community* principles described in Section I.B.5.a of this document. It also amplifies the appropriateness of using a Specific Plan to guide the development of this particular Property.

II.A.1 Major Land Uses and Facilities

The residential areas within the Specific Plan will provide for a variety of market-rate choices, including traditional single-family detached units, single-family attached units, and luxury-home rental options. Densities and price points will vary, as will the size and character of the residences offered. The Plan will provide built-in flexibility within each particular residential



Boundary of Subject Specific Plan

Planning Area Boundaries

80' Right-of-Way Dedication by this project for extension of Camino de Oeste

Town of Marana Boundary

Planning Area "A": Primary Use is Residential (Single-Family, Detached Homes)

Planning Area "B": Primary Use is Natural Open Space

Planning Area "C": Primary Use is Neighborhood-Level Commercial / Retail Goods & Services

Planning Area "D": Primary Use is Residential (Single-Family Detached Homes or Luxury Rental Homes)

Street Crossing of Natural Area; no more than one (1) allowed

FRAMEWORK PLAN

Exhibit II.1

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Planning Area so that the developer can respond to changing market conditions in a timely manner, while still preserving the original intent and guiding vision of the Project. Within all areas of residential land uses, neighborhood mini-parks and functional open spaces will be suitably integrated. The specific development standards and regulations for the various residential options are detailed in Sections II.B.2.a below.

This Specific Plan provides for a carefully prescribed commercial/non-residential site at the Project's major intersection of Cortaro Farms Road with Camino de Oeste. The particular non-residential uses allowed have been limited to a small set that will complement the proposed residential development and provide its residents with the types of localized goods and services that would be needed and patronized by them, as well as by their existing neighbors, on a regular basis. The specific development standards and regulations for this commercial/non-residential site are detailed in Section II.B.2.b below.

Both natural and functional open space are provided throughout the Specific Plan. Functional open spaces occur in the form of active and passive use areas, pedestrian circulation routes, and areas which have been contoured and landscaped to accommodate routine project engineering needs. These areas include residential common areas, neighborhood mini-parks, pedestrian circulation routes, landscape buffers, nature trails or walking paths, and areas which have been landscaped after necessary project grading.

Natural open space is that which is formally delineated and set aside so as to preserve the Site's natural floodplain corridor and its associated wildlife movement. Such areas can also feature carefully and sensitively routed nature trails that avoid disturbance of important natural elements. As these areas will be preserved in place, they shall not contribute to the developable acreage of the residential components nor be included in any density-related calculations. The specific development standards and regulations for natural and functional open space areas are detailed in Section II.B.2.c below.

II.A.2 Compatibility with Adjoining Land Uses

The proposed Specific Plan is quintessential infill development, in that it will wholly "fill in" a very large portion of contiguous vacant land on the south side of Cortaro Farms Road that is already surrounded by long-standing single-family residential subdivisions. In this respect, the primary single-family component that typifies the majority of the Plan property is already inherently compatible with its established surroundings. Appropriate perimeter setbacks and buffering will be effectuated to considerately and respectfully insert the proposed Project into this established residential matrix.

The proposed Plan will not only complement the area's existing residential mix, but also provide a new, neighborhood-level commercial component that will bring appropriately scaled and convenient goods and services to all residents in the area. The Project brings the ancillary benefit of improved transportation connectivity with Cortaro Farms Road for the thousands of existing homes located south of the Site. This is achieved through the Project's construction of the final segment of Camino de Oeste needed to reach this major east-west arterial corridor. This Camino de Oeste extension further provides a new direct route to Quail Run Elementary School (located on the north side of Cortaro Farms Road) for the many

Planning Area	Primary Land Use	Secondary Land Uses	Net Acreage	Net Density Range (Du/Ac)
А	Single-Family Detached Residential	Attached Single- Family Residential	25.3	3.5 - 8.0
В	Natural Open Space	Functional Open Space, Drainage Appurtenances, Street Crossing	8.7	NA
С	Neighborhood-Level Commercial Goods and Services	Garden Offices (Medical and General)	1.4	NA
D	Single-Family Detached Residential	Multi-Family (Rental Homes)	20.4	3.5 – 12.0

Table II.1 Land Use Breakdown by Planning Area

families living to the south and eliminates their current circuitous routes to the School. The Marana Unified School District (MUSD) also anticipates benefits in more efficient bus routing to serve these same families.

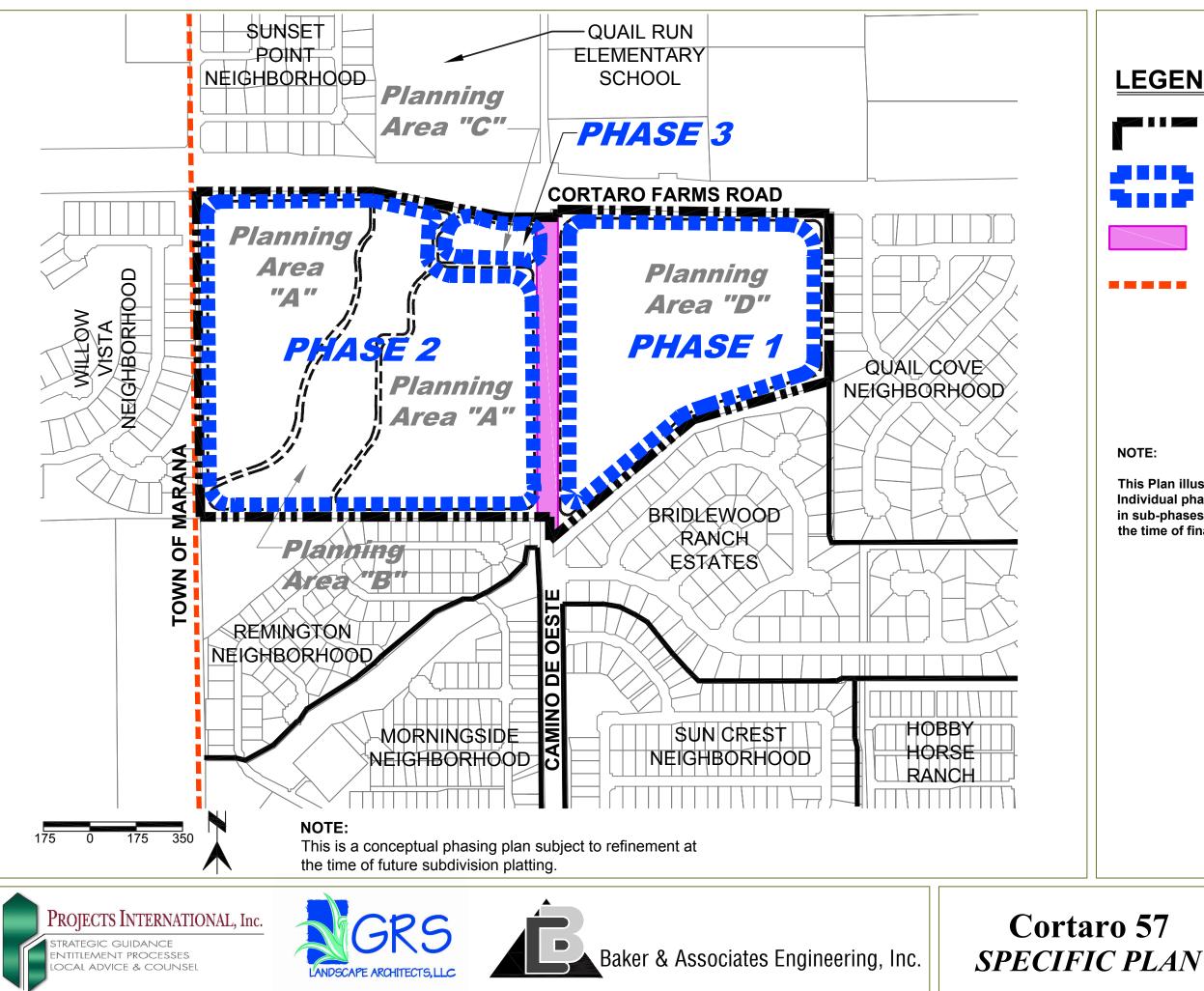
To even further enhance this new School connectivity, the Project's s interior subdivision streets will implement appropriate safe-street principles so as to ensure safe and efficient walking and bicycling routes from its homes to Cortaro Farms Road and to the new Camino de Oeste extension, the latter of which will feature paved shoulders for bicycling and a new pedestrian path on both sides of the roadway.

All in all, this Specific Plan represents an innovative, creative, and integrated addition to the existing development framework already in place and will further enhance the quality and desirability of both the immediate area and of the larger Cortaro Farms Road corridor.

II.A.3 Anticipated Phasing

Development phasing of the Specific Plan will generally proceed as follows:

- The Camino de Oeste public street extension (to its new intersection with Cortaro Farms Road) will be constructed as part of initial site improvements. We anticipate a three-lane cross-section, together with paved shoulders (multi-use/bike lanes) and a meandering pedestrian path along both sides of the street.
- Residential development will begin with Planning Area "D" and generally proceed from east to west across the Specific Plan, subject to market demand and absorption. This phasing program is largely driven by the current availability of Tucson Water service and the most logical incremental expansion of their service area.



LEGEND **Boundary of Subject Specific Plan Phasing Boundaries** 80' Right-of-Way Dedication by this project for extension of Camino de Oeste **Town of Marana Boundary**

This Plan illustrates a general phasing program. Individual phases may be developed in their entirety or in sub-phases. Modifications to phasing are allowed at the time of final development.

PHASING PLAN

Exhibit II.2

- Planning Area "B" (the preserved natural floodplain corridor) will be formally delineated and established in conjunction with subdivision platting of Planning Area "A", including the provision therein of drainage appurtenances (required detention basins) and nature trails. Connectivity will be ensured between the nature trails and the new pedestrian paths, sidewalks, etc. provided within the adjacent Planning Area "A" residential neighborhoods.
- Planning Area "C" will be developed based upon market forces and interest by appropriate "best fit" neighborhood-level tenants that. It will likely not be occupied until some time after the populating of Planning Area "A" with sufficient residents.
- The anticipated total build-out timeframe for the residential Planning Areas is estimated at three (3) to five (5) years, depending upon market absorption.

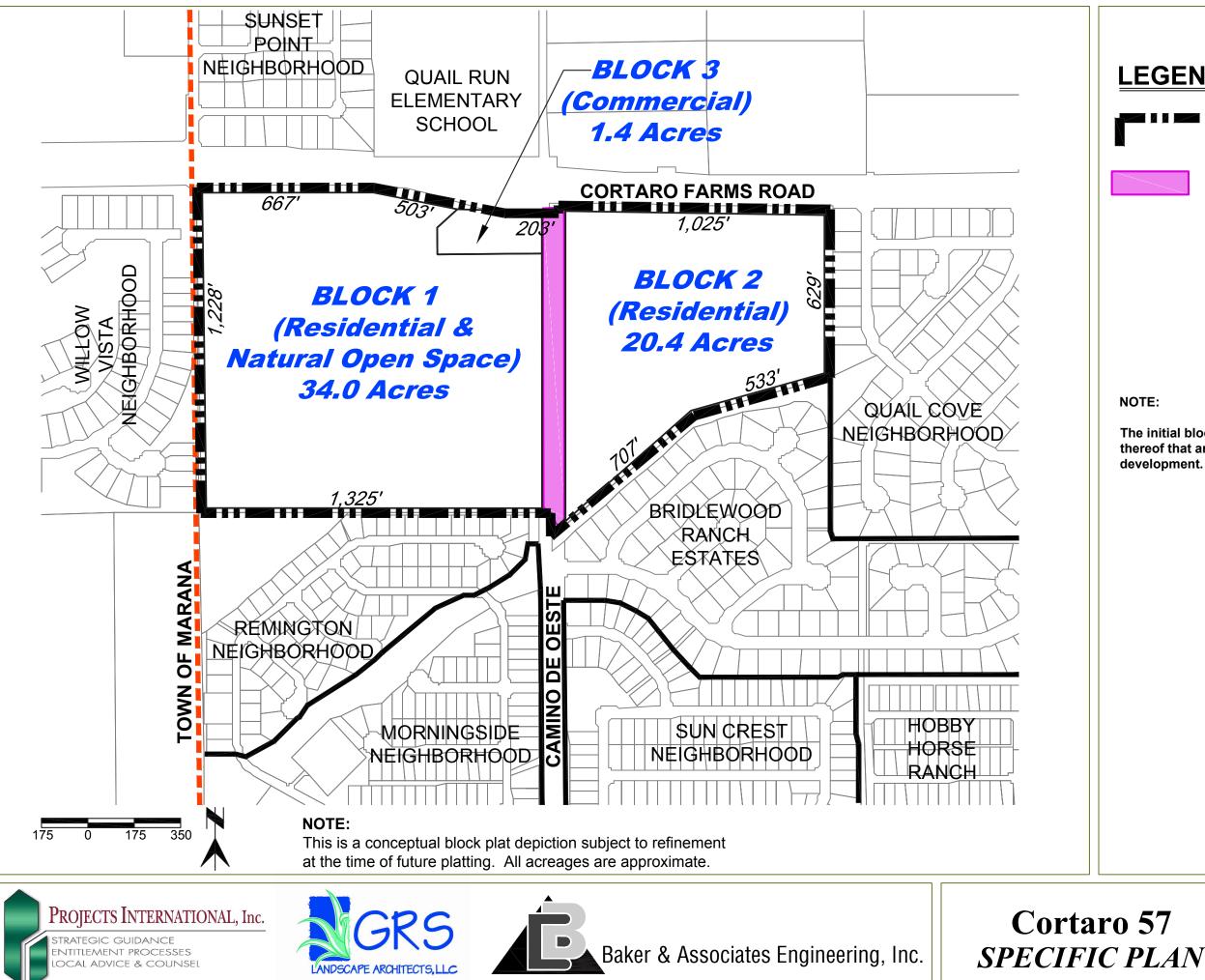
II.A.4 Subdivision Block Platting & Public Right-of-Way Dedication

A block plat will likely be filed for the entire Specific Plan area and will be based on the various Planning Areas illustrated on Exhibit II.1 (Specific Plan Masterplan). The block plat will also dedicate the aforementioned natural floodplain corridor (Planning Area "B") as a formal natural-area set-aside, as well as dedicate the public right-of-way for the Camino de Oeste extension to Cortaro Farms Road. This new portion of Camino de Oeste is shown as a *Collector* on the Pima County Major Streets and Routes Plan (MSRP), with an associated eighty foot (80') right-of-way width. Lastly, the block plat may also incorporate the actual lotting, street layout, and common-area delineations for certain first-phase residential Planning Areas.

II.A.5 Maintenance Responsibilities

Maintenance responsibilities within the Specific Plan will be apportioned as follows:

- The new segment of Camino de Oeste will be a dedicated public street. Maintenance of it will be the responsibility of Pima County after inspection and acceptance of the initial construction by the developer.
- Maintenance responsibilities for all new public streets located within residential Planning Areas "A" and "D" shall be that of Pima County after acceptance of the initial construction by developer.
- Maintenance responsibilities of all common areas, pedestrian paths, neighborhood mini-parks, nature trails, landscape borders/buffers, etc. within residential Planning Areas "A", "B" and "D" shall be that of a designated private homeowners association (either a master HOA for the entire Specific Plan, or individual HOA's for each neighborhood).
- Maintenance responsibility for all public utilities shall be that of the servicing utility company.
- Maintenance responsibility for any private utilities and/or irrigation improvements shall be that of the appropriate private homeowners association (HOA).
- Maintenance of all site improvements, parking areas, and landscape borders/buffers in Planning Area "C" shall be that of the developer.



LEGEND

Boundary of Subject Specific Plan

80' Right-of-Way Dedication by this project for extension of Camino de Oeste

The initial block plat may include blocks or portions thereof that are fully subdivided for residential development.

II.A.6 Financial Assurances

In conjunction with recordation of the Specific Plan's Block Plat, the owner/developer shall submit a form of financial assurances for review and approval by Pima County to cover the completion of public improvements. The form of assurances submitted can be a performance bond, third-party trust, development agreement, or other suitable financial instrument that covers all applicable on-site and off-site improvements that may be necessary to serve the Specific Plan or to mitigate its impacts upon existing public infrastructure.

The owner/developer shall execute and record a separate disclaimer, in a form acceptable to Pima County, to waive any Proposition 207 rights to future claims and against the County visà-vis zoning conditions and amendments in conformance with A.R.S. Section 12-1134(I).

II.B. Land Use Regulations

II.B.1 Establishment of Pima County Base Zonings for the Specific Plan

The Specific Plan will be developed under a series of designated Base Zonings, dependent upon each particular Planning Area and its envisioned uses. The Base Zoning designation for each Planning Area is provided in the respective discussions below.

Refer to Exhibit II.1 (Framework Plan) for the location and configuration of each referenced Planning Area. Table II.1 has also been provided to summarize the major and secondary land uses of Planning Areas A through D discussed below.

a. Planning Area "A"

Planning Area A's primary use is single-family detached residential homes under a range of lot sizes. Residential uses developed within Planning Area A shall follow the standards as outlined in Section II.B.2.a (Single-Family Residential Uses) of this Specific Plan. The Pima County Base Zoning designation for Planning Area A is CR-5 (Residential).

b. Planning Area "B"

Planning Area B's primary use is natural open space. Drainage related appurtenances, natural trails, and a single street crossing are also allowed. Uses within Planning Area B shall accord with the standards outline in Section II.B.2.c (Natural and Functional Open Space) of this Specific Plan document. There shall be no designated Base Zoning for Planning Area B; only Section 18.07 (General Regulations & Exceptions) shall control beyond the particulars outlined in this Specific Plan.

c. Planning Area "C"

Planning Area C's primary use is commercial/retail goods and services of a neighborhood-appropriate scale. Uses developed within Planning Area C shall accord with the standards as outlined in Section II.B.2.b (Neighborhood Commercial Goods & Services) of this Specific Plan document. The designated Base Zoning for Planning Area C is CB-1 (Business).

d. Planning Area "D"

Planning Area D's primary use is single-family residential homes. Product offerings are similar to those of Planning Area A. The secondary use of luxury rental homes is also allowed. Planning Area "D" shall therefore accord with the standards as outlined in Section II.B.2.a for Single-Family Residential Uses or Multi-Family Residential Use, dependent upon the final selected land use. The designated Base Zoning for Planning Area D is TR (Transitional).

e. Camino De Oeste Roadway Dedication

The eighty-foot (80') Camino de Oeste eighty-foot right-of-way corridor that will be dedicated in conjunction with this Specific Plan falls outside of the above Planning Areas. It will be the property of Pima County and is not subject to any of the standards or regulations contained herein.

II.B.2 Development Standards

The following sections provide the particular developments standards for residential uses, non-residential uses, and natural/functional open space within this Specific Plan.

II.B.2.a. Residential Uses

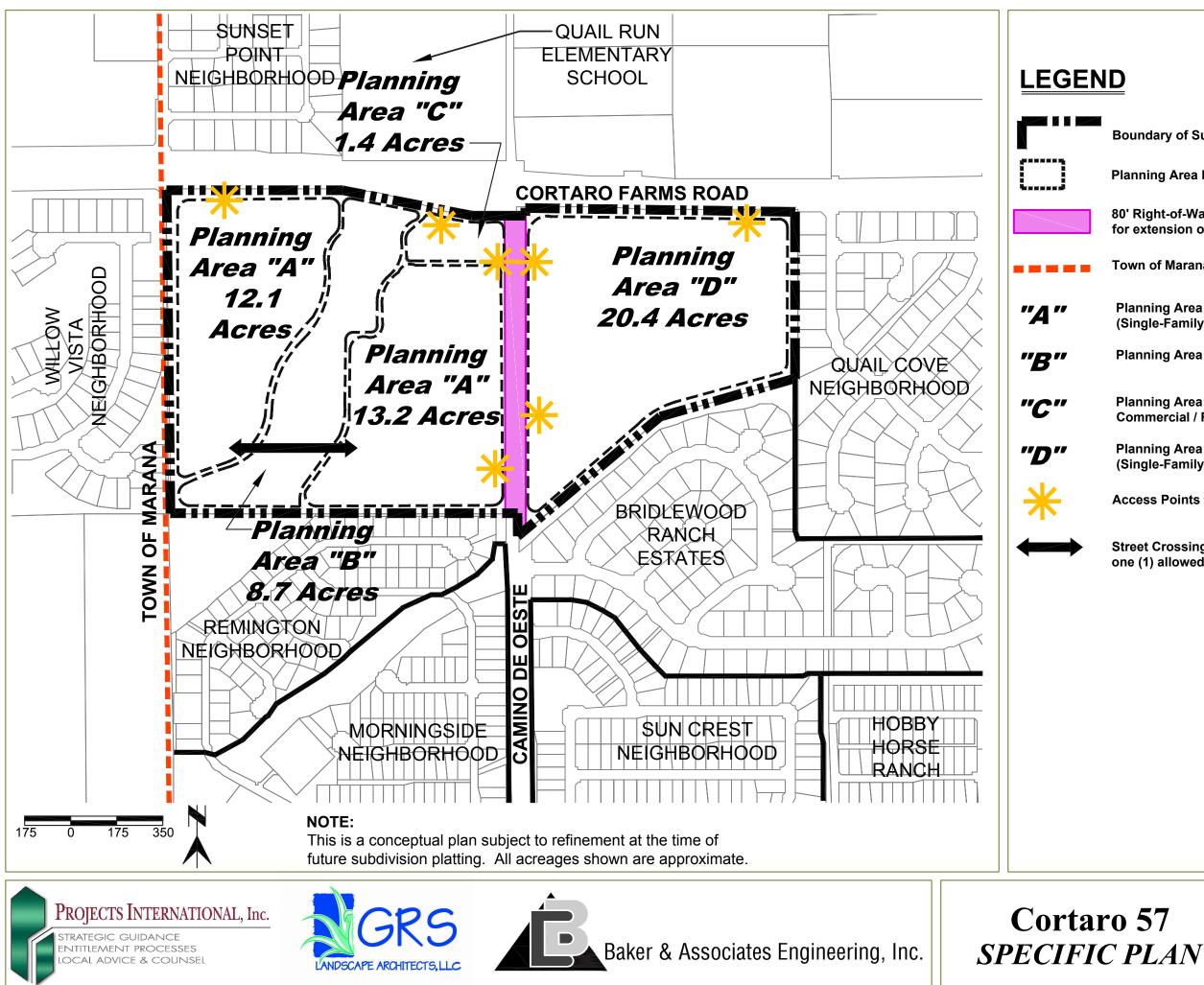
The intent of the residential areas within this Specific Plan (Areas "A" and "D") is to allow for a variety of product types and densities in order to create a diverse mix of housing opportunities at different price points. The Plan provides the basic framework for the residential development of each Planning Area, while still providing flexibility to respond to future market conditions. Single-family housing variety across Planning Areas "A" and "D" may include traditional single-family detached homes, or single-family attached units on individual lots. These housing options will ensure a diversity in offerings and visual aesthetics, as well as accommodate varying age groups, income levels, and lifestyles. Multi-family residential is allowed within Planning Area "D", specifically in the form of detached or attached rental homes in a clustered or auto-court arrangement. With the above in mind, the following regulations shall apply to planning areas or portions of planning areas that are developed for residential use.

II.B.2.a.1. Applicable Planning Districts & Permitted Uses

These development standards apply to Planning Areas "A" and "D".

II.B.2.a.1.a. Permitted & Accessory Uses

Permitted uses within Planning Area "A" are those prescribed under Chapter 18.29 (CR-5 Zoning). The primary planned use is single-family detached or attached residences on individual lots. Related accessory uses within Planning Area "A" are guest houses, home occupations, neighborhood parks and recreation centers, farmers markets, and neighborhood special events.



Boundary of Subject Specific Plan

Planning Area Boundaries

80' Right-of-Way Dedication by this project for extension of Camino de Oeste

Town of Marana Boundary

Planning Area "A": Primary Use is Residential (Single-Family, Detached Homes)

Planning Area "B": Primary Use is Natural Open Space

Planning Area "C": Primary Use is Neighborhood-Level Commercial / Retail Goods & Services

Planning Area "D": Primary Use is Residential (Single-Family Detached Homes or Luxury Rental Homes)

Access Points to Public Streets

Street Crossing of Natural Area; no more than one (1) allowed



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Permitted uses within Planning Area "D" are those prescribed under Chapter 18.43 (TR Zoning). The primary planned use is single-family detached or attached residences on individual lots, as well as multi-family units in the form of detached or attached rental homes in a clustered or auto-court arrangement. Related accessory uses within Planning Area "D" are guest houses, home occupations, neighborhood parks and recreation centers, farmers markets, and neighborhood special events.

II.B.2.a.1.b. Prohibited Uses

Group-home care facilities and adult-care facilities will be expressly prohibited by private Covenants, Conditions & Restrictions (CC&R's).

II.B.2.a.2. Development Regulations & Densities

Residential density minimums and maximums for Planning Areas "A" and "D" are presented in Table II.1 above.

Three (3) residential land use categories are outlined within this Specific Plan: 1) Single-Family Detached; 2) Single-Family Attached; and 3) Multi-Family Residential. These three (3) categories will be the foundation of the regulatory development standards for the residential land uses within the Project. Each residential land use category has its own development standards to allow for design flexibility within each category, while still maintaining minimum standards that are compatible and complementary throughout the overall Project.

- (1) Single-Family Detached:
 - a. Maximum Density: 8 RAC
 - b. Minimum Lot Size: 4,000 sq. ft.
 - c. Maximum Lot Coverage: 75%
 - d. Maximum Building Height: 2 stories/30 feet
 - e. Setbacks:
 - 1. i. Front Yard:
 - 2. (i) Main Structure: 5 feet
 - 3. (ii) Front Entry Garage: 18 feet from back of sidewalk
 - 4. (iii) Side Entry Garage: 10 feet
 - ii. Side Yard:
 - (i) 4 feet
 - (ii) (ii) Minimum distance between buildings: 10 feet
 - (iii) (iii) Side Yard Adjacent to Street: 5 feet
 - (iv) Accessory Structures: Per Building Codes Title 15
 - iii. Rear Yards:
 - (i) Main structure: 5 feet to primary structure
 - (ii) Accessory Structures: 0 feet
- (2) Single-Family Attached (Includes Clustered or Auto-Court Products):
 - a. Maximum Density: 10 RAC

- b. Minimum Lot Size: 1,500 sq. ft.
- c. Maximum Lot Coverage: 85%
- d. Maximum Building Height: 2 stories /30 feet
- e. Setbacks:
 - i. Front Yard:
 - (i) Main Structure: 5 feet
 - (ii) Front Entry Garage: 18 feet from back of sidewalk
 - ii. Side Yard:
 - (i) 0 feet
 - (ii) Minimum distance between buildings: 10 feet
 - (iii) Side Yard Adjacent to Street: 5 feet
 - (iv) Accessory Structures: Per Building Codes Title 15
 - iii. Rear Yards:
 - (i) Main structure: 5 feet to primary structure
 - (ii) Accessory Structures: 0 feet
- (3) Multi-Family:
 - a. Minimum Site Area: 1 acre
 - b. Maximum Density: 12 RAC
 - c. Minimum Lot Size: None
 - d. Maximum Lot Coverage: None
 - e. Maximum Building Height: 2 stories /34 feet
 - f. Minimum Building Setback:
 - i. To Streets: 10 feet
 - ii. To Adjacent Residential Development: 40 feet
 - iii. To Adjacent Non-Residential Development: 10 feet
 - g. Minimum Distance Between Buildings: 6 feet
 - h. Minimum Functional Open Space: 10% of the site excluding parking areas and driveways

II.B.2.a.3. Diversity in Product Type

The Project will include a variety of housing products and architectural styles in keeping with the above standards so as to create a dynamic and distinctive community within the Cortaro Farms Road Corridor. This product mix creates a spectrum of housing options for both homebuyers and renters, while satisfying their varying interests, needs and income levels. Consistent with this approach, Planning Areas "A" and "D" are allowed to feature more than one potential residential use as identified for each in Section II.B.2.a and Table II.1.

II.B.2.a.4. Streetscape & Garage Treatments

The primary entrances into the Project will be taken only from Cortaro Farms Road and the new Camino de Oeste extension; no vehicular connectivity is proposed to or through any existing adjacent neighborhood. New public streets within each residential Planning Area will feature detached sidewalks on both sides. As these streets will be per Pima County Department of Transportation (PCDOT) standards, street trees for pedestrian shading shall be located outside of the designated rights-of-way.

To guard against garage dominance and in order to ensure visual interest of the residential streetscapes, a minimum twenty-five percent (25%) of all new subdivision lots will feature some form of alternative facade configuration, such as recessed front-door entries, staggered garage setbacks, private drive entry garages, or private courtyard projections beyond the garage face.

II.B.2.a.5. Guest House Provisions

One (1) detached guest house or interior private suite living quarters will be allowed on any single lot of 4,000 square feet or greater in area. If a detached guest house, it can feature its own kitchen and bathroom, shall conform with the adopted guest-house definition per Code Chapter 18.03.020, and shall accord with the development standards for accessory structures provided above in Section II.B.2.a.2. If a private interior suite is provided within the main residence, it can again feature its own kitchen and bathroom, a separate entrance, and may also be located above a garage with a combined height not to exceed 28'. While separate kitchens are allowed per the above, separate utility meters will not be permitted for the guest house/private suite and the main residence.

II.B.2.a.6. Lighting

All outdoor lighting shall comply with the Pima County Outdoor Lighting Code (OLC). Street lighting is not required for any new public or private streets, including the Camino de Oeste extension and local neighborhood streets. Lighting may be integrated at the discretion of the Developer, subject to OLC compliance. In addition, lighting is allowed within the Specific Plan to illuminate common areas, residential lots, multi-family sites, and landscape accent lighting in accordance with the OLC.

II.B.2.a.7. Parking Provisions (On-Street/Off-Street)

Residential Planning Areas and portions thereof within this Specific Plan will comply with the standard off-street parking requirements as prescribed in Chapter 18.75 (Off-Street Parking & Loading) of the Zoning Code.

II.B.2.a.8. Trash Collection and Recycling

The specific method of solid waste (trash) and recycling collection will depend on the specific type of residential development and the particular housing units built. Individual curb-side service will be provided in the neighborhood rights-of-way or in alleyways (if provided). If curb-side pick-up is not possible due to truck maneuvering constraints, a common area for collection will be provided. Further collection particulars are as follows:

- (1) Residential Single-Family Detached/Attached: standard curb-side Automatic Plastic Containers (APC) rollaways will be utilized; APC's will be stored within the garage or behind a side or rear yard screen wall or fence.
- (2) Residential Multi-Family: standard curb-side service for APC's will be allowed; APC storage will be within garages or within centralized trash containers in screened enclosures. At the developer's discretion, shared trash and recycle dumpsters within screened enclosures may be provided for resident use.

(3) In the event that the spatial or pull-through or turnaround requirements for APC's cannot be met due to maneuvering constraints, then centralized trash container(s) within screened enclosures will be provided. Where provided, such centralized trash containers will be located no more than 300' from any residence. Centralized trash enclosures shall be screened on three sides by a solid wall and an opaque, decorative gate on the access side. Centralized trash enclosure walls shall have a minimum height of 8'.

II.B.2.a.9. Pedestrian/Bike Circulation and Connectivity

The pedestrian circulation network for residential land uses is comprised of new public sidewalks, pedestrian paths and trails, and bike-friendly neighborhood streets. These circulation elements will accommodate both pedestrians and bicyclists and will connect to the public sidewalks and multi-use lanes on the adjacent public arterials (Cortaro Farms Road, the new Camino de Oeste extension). As such, they promote safe-street principles.

Pedestrian paths may be constructed of concrete, stabilized decomposed granite, pervious concrete, permeable pavers, concrete pavers, reclaimed asphalt or other materials which meet the intent of this Section. Pedestrian elements that occur within residential areas shall further consider the following design principles to enhance connectivity:

- Pedestrian connections will be provided from neighborhoods to nearby commercial/retail parking areas (i.e. Planning Area "C") via striped pedestrian crosswalks.
- Connections will be made to the commercial/retail parking lots from the closest public sidewalk adjacent to the Planning Area "C".
- When a designated residential pedestrian route crosses a street or commercial driveway, the route will be clearly visible to pedestrians and motorists through the use of: 1) a change in paving material, paving height or paving color; 2) a painted crosswalk; or 3) signage.

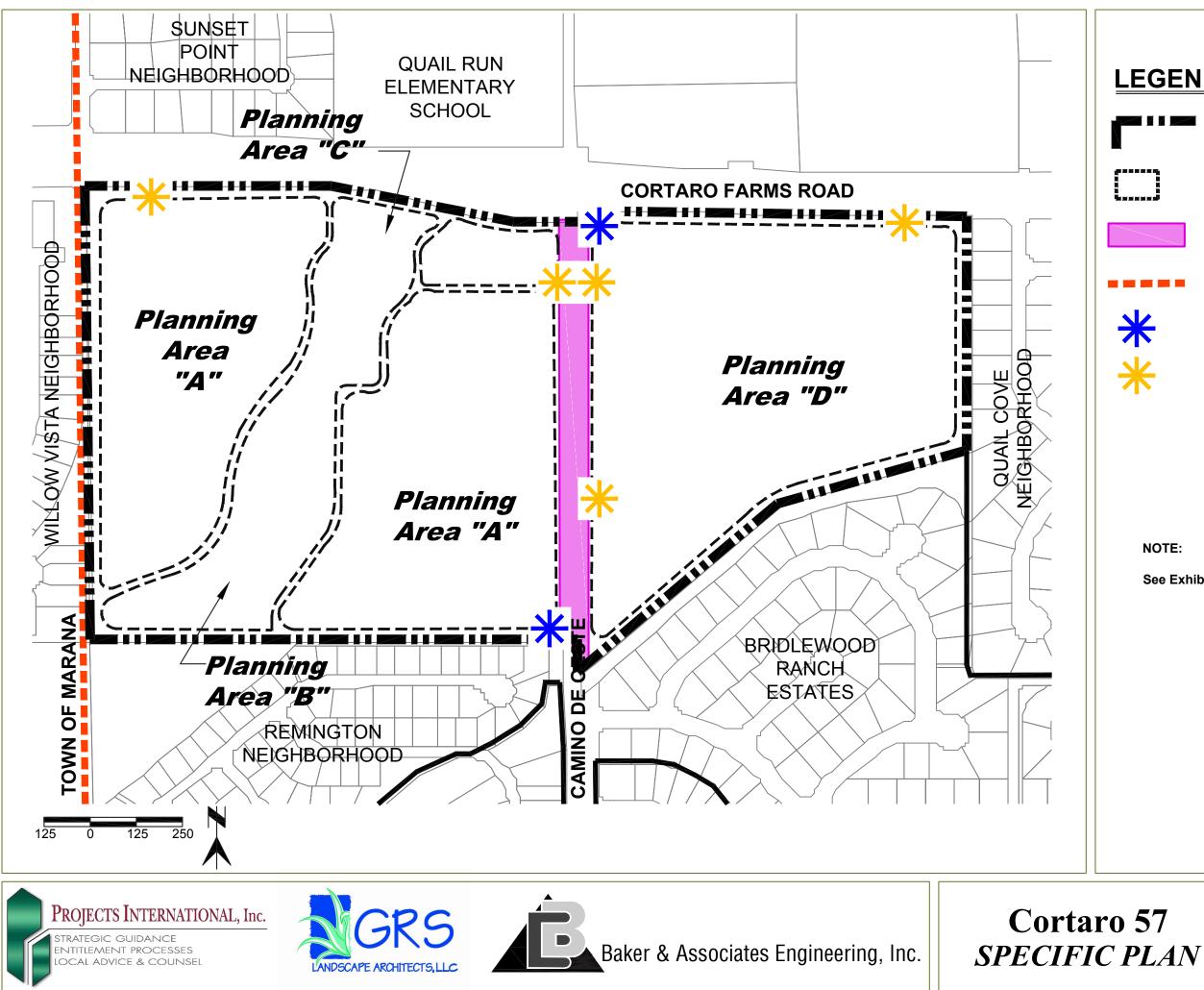
II.B.2.a.10. Signage

Pima County Sign Standards (Chapter 18.79 of the Zoning Code) will apply to the entire Specific Plan. However, the following modifications to same are made:

(1) Subdivision Entry Monuments

Entry monumentation is an essential design element for the project. Uniform design of monuments shall provide visual continuity throughout all phases of residential development and establish a distinct identity, image and sense of place for the community. In addition to informing and directing residents, all entry monuments shall be designed to be generally consistent with the materials, color, size and scale of adjacent community elements.

(1) Primary and secondary subdivision or multi-family entry monuments shall be provided at the locations shown on Exhibits II.5.a and as conceptually illustrated on Exhibit II.5.b. These monuments shall meet the subdivisionentry standards of Code Section 18.79.080.F, but shall not be limited to the total of two (2) prescribed therein. The total number allowed shall be one (1) per each of the primary or secondary locations shown on Exhibit II.5.a. Forms, colors, materials and textures used in both primary and secondary entry monuments shall complement the overall character and aesthetics of the Project.



LEGEND **Boundary of Subject Specific Plan** Planning Area Boundaries 80' Right-of-Way Dedication by this project for extension of Camino de Oeste **Town of Marana Boundary Primary Entry Monuments Secondary Entry Monuments**

NOTE:

See Exhibit II.5.B for Monument Concepts

ENTRY MONUMENT LOCATIONS Exhibit II.5.A

Examples of Primary Monuments

- 1. Utilize a variety of textures and finishes that are consistent throughout the monumentation
- Include the name of the development 2.
- Are a stand alone feature 3.
- Include landscape to enhance the monumentation 4.





Examples of Secondary Monuments • Utilize the same texture and finish palette as the

- **Primary Monuments**
- May or may not include the name of the development
- subdivision wall or be a stand alone feature

May consist of an enhanced wall treatment on a Include landscape to enhance the monumentation

MONUMENT CONCEPTS Exhibit II.5B

- (2) A series of wayfinding signs shall be implemented, at the developer's discretion, throughout the Project to assist directing pedestrian traffic to shared community elements such as neighborhood parks, nature trails, walking paths.
- (2) Materials / Color Scheme

Consistency will be maintained between building style and signage design. Color schemes and graphic schemes for signage should clearly relate to the established color and material palette of community structures so as to achieve an overall consistent sense of identity and aesthetics.

II.B.2.a.11. Landscape Requirements and Perimeter Buffering

The following landscape elements, principles and particulars govern residential areas.

II.B.2.a.11.a. Landscape Concept & Plant Palette

This Specific Plan establishes base performance criteria for the project to address requirements established by Chapter 18.73 (Landscaping, Buffering and Screening Standards) of the Zoning Code. The Project is intended to meet or exceed these base performance criteria, with certain modifications of Code requirements applying where existing site conditions and specialized design criteria necessitate such design flexibility.

The Project will implement a regionally adapted and native plant palette through the entire Specific Plan that will feature varying textures, colors and forms of plant material so as to create an inviting environment for residents and visitors. The landscape design will reinforce vehicular and pedestrian circulation routes throughout the Property by highlighting primary circulation routes and key entry points to all Project facilities and amenities.

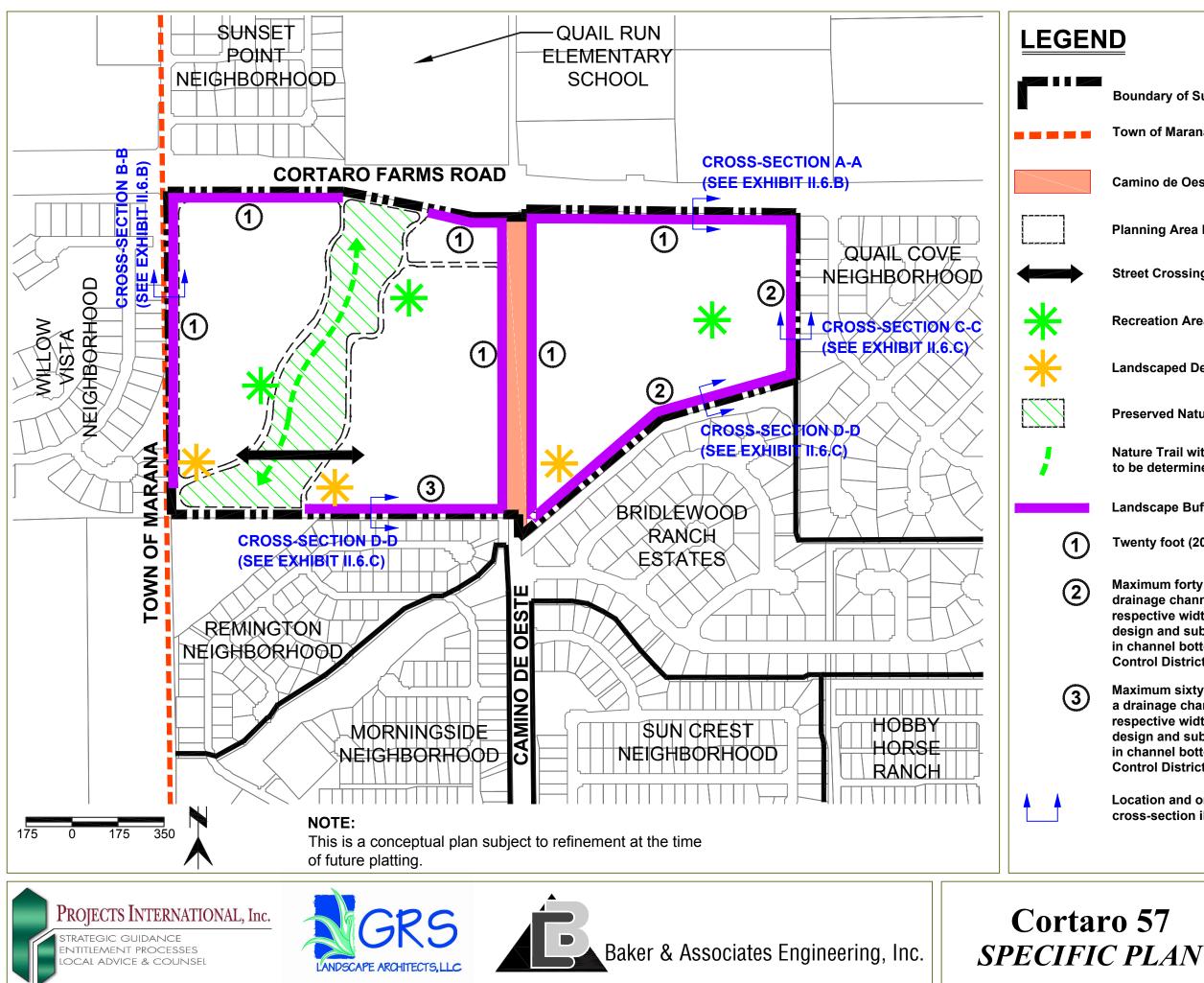
Trees will be placed strategically along new subdivision streets (but outside of the right-of-way per PCDOT preferences) so as to provide shade for pedestrians, while still allowing visibility for way-finding and signage to all subdivision facilities and path/trail amenities. In graded and revegetated areas, a mix of desert shrubs and wildflowers will be used along with nursery stock to minimize erosion. And enhance the ground-story. These areas will be maintained as a naturalistic environment. Surface drainage and stormflows will be captured within landscape areas for passive water-harvesting whenever practical.

A low water use irrigation system will be utilized for all landscape areas. The system will incorporate an automatic controller, flow sensing valves, rain shut-off capability, and will also be metered separately to monitor water usage throughout the Specific Plan area.

II.B.2.a.11.b. Perimeter Screening Requirements

All residential Planning Areas will comply with the following landscaping and screening requirements:

- (1) Street landscape borders along Cortaro Farms Road and Camino de Oeste shall be a minimum of twenty (20) feet along the right of way. A minimum of one (1) tree and ten (10) shrub and/or accents per forty (40) linear border shall be required along these street frontages. Screening may be accomplished with existing vegetation if preserved in place, supplemental/salvaged vegetation, nursery stock, or berms and/or walls. Residential lots along Cortaro Farms Road or Camino de Oeste shall include a screen wall with a minimum height of five (5) feet. Screen walls may have offsets or similar design features that encroach a maximum of two (2) feet into the landscape buffer. Final details of the above are subject to compliance with all applicable sight visibility triangle (SVT) requirements.
- (2) Buffering of Adjacent Existing Neighborhoods: Exhibits II.6.a, II.6.b and II.6.c provide a schematic plan and typical cross-sections along the existing residential neighborhoods that abut the Project (Willow Vista, Remington, Bridlewood Ranch, Quail Cove). These landscape areas vary in width, depending upon accompanying drainage needs, but in all cases provide a minimum of twenty feet (20') of stand-alone landscape border. This, combined with the adjoining drainage channels, provide substantial setbacks that meet or exceed any given to the subject Property by the adjoining subdivisions.
- (3) Local neighborhood streets shall integrate street trees behind the sidewalks where feasible and be outside of sight visibility triangles.
- (4) Residential lots shall have a minimum of one (1) tree or saguaro cactus in the front yard of each lot along the neighborhood street. For corner lots, a minimum of one (1) tree or saguaro cactus shall be located in the side yard of the lot.
- (5) Any clustered parking areas within residential or non-residential areas shall have one (1) tree per four (4) parking spaces, to be located along the perimeter of the parking area or within landscape islands. Screening of any such clustered parking areas along Cortaro Farms Road or Camino de Oeste shall have a landscape or screen wall element of minimum thirty inches (30") in height.
- (6) Tree and shrub substitution ratio shall be as follows: 1 tree or saguaro cactus is equivalent to ten (10) shrubs and/or accent plants.
- (7) Where a Planning Area "A" abuts natural open space, a neighborhood park, and/ or a local neighborhood street, a landscape border is not required.
- (8) A minimum landscape border of fifteen feet (15') shall be provided within the neighborhood commercial/retail area (Planning Area "C") where it abuts any neighborhood street or adjacent residential use.
- (9) Private irrigation and associated sleeves, as well general utility sleeves, are allowed in public and private street rights-of-way. Those located within public rights-of-way shall be subject to a license agreement executed with Pima County. Sleeve locations shall be stamped on street curbs in an easily visible manner.



Boundary of Subject Specific Plan

Town of Marana Boundary

Camino de Oeste Alignment

Planning Area Boundaries

Street Crossing of Natural Area

Recreation Area / Neighborhood Park

Landscaped Detention / Retention Basin

Preserved Natural Drainage Corridor

Nature Trail within Natural Corridor (final routing to be determined at time of subdivision platting)

Landscape Buffers:

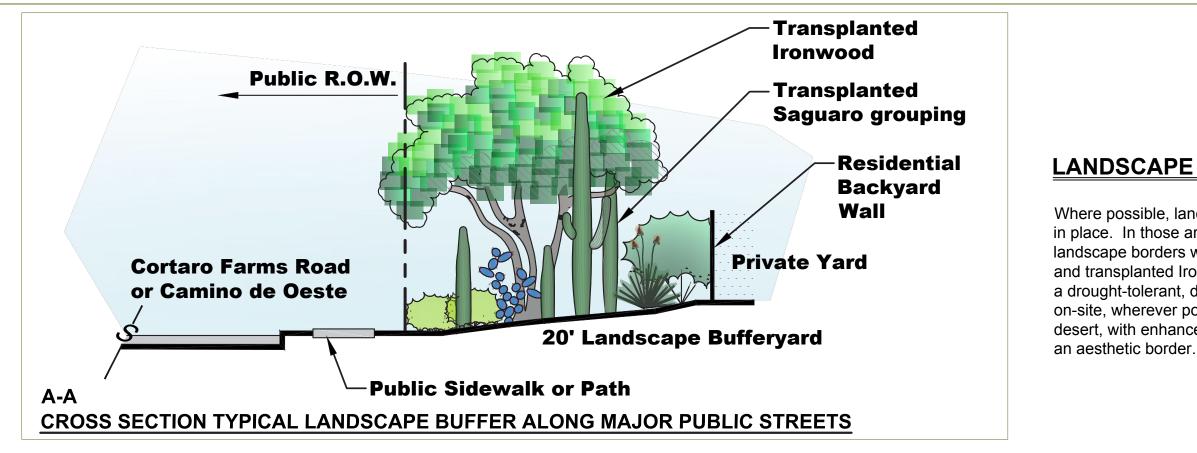
Twenty foot (20') buffer width

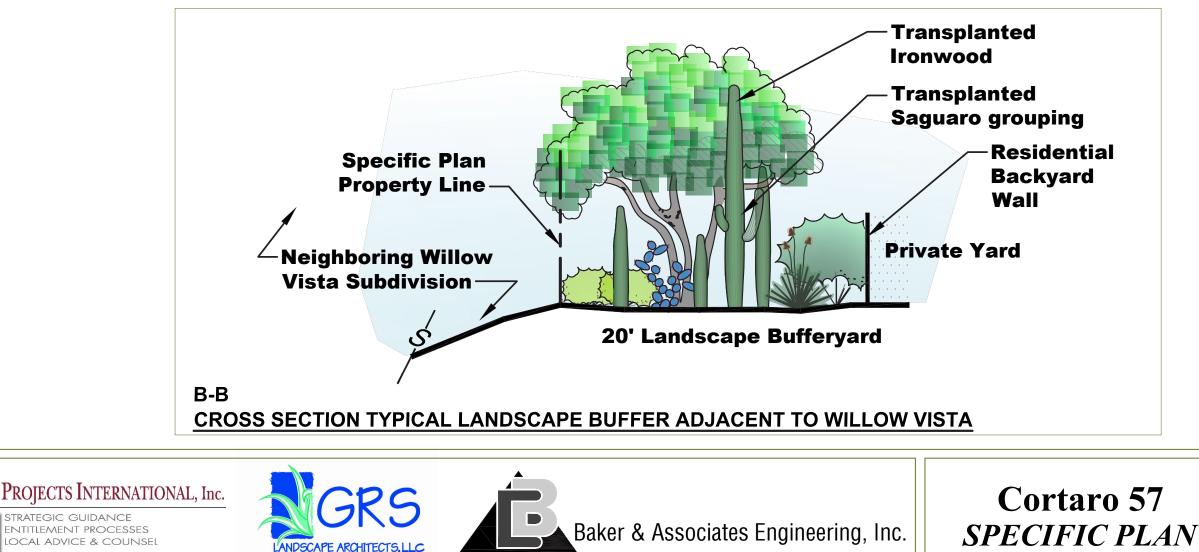
Maximum forty foot (40') wide corridor / setback comprised of a drainage channel and adjoining parallel landscape buffer; the respective widths of these to be determined at time of final design and subdivision platting. Plantings to also be provided in channel bottom to the extent allowed by the Regional Flood **Control District (RFCD)**

Maximum sixty foot (60') wide corridor / setback comprised of a drainage channel and adjoining parallel landscape buffer; the respective widths of these to be determined at time of final design and subdivision platting. Plantings to also be provided in channel bottom to the extent allowed by the Regional Flood Control District (RFCD)

Location and orientation of landscape buffer cross-section illustrations; see Exhibits II.6.B and II.6.C.

PRIMARY LANDSCAPE **ELEMENTS** Exhibit II.6.A

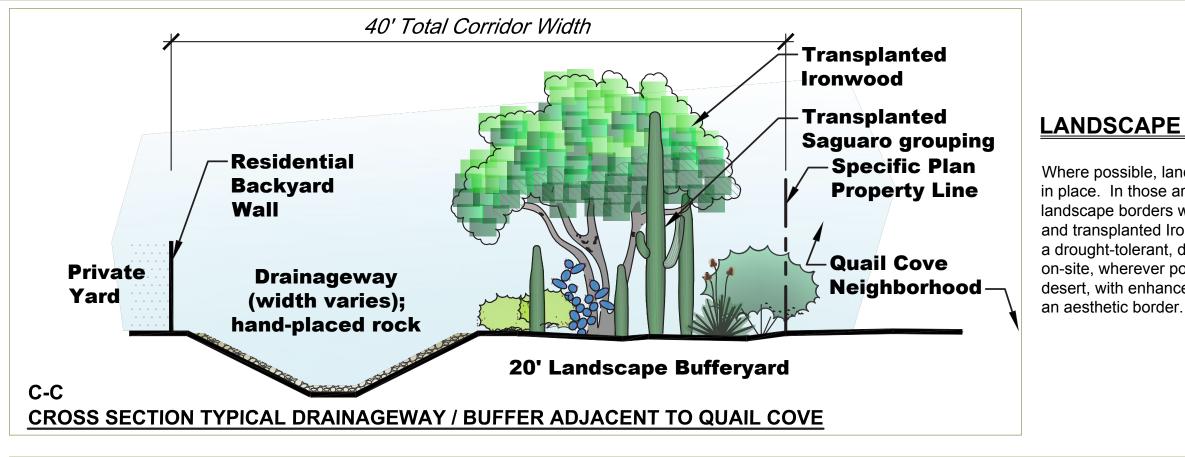


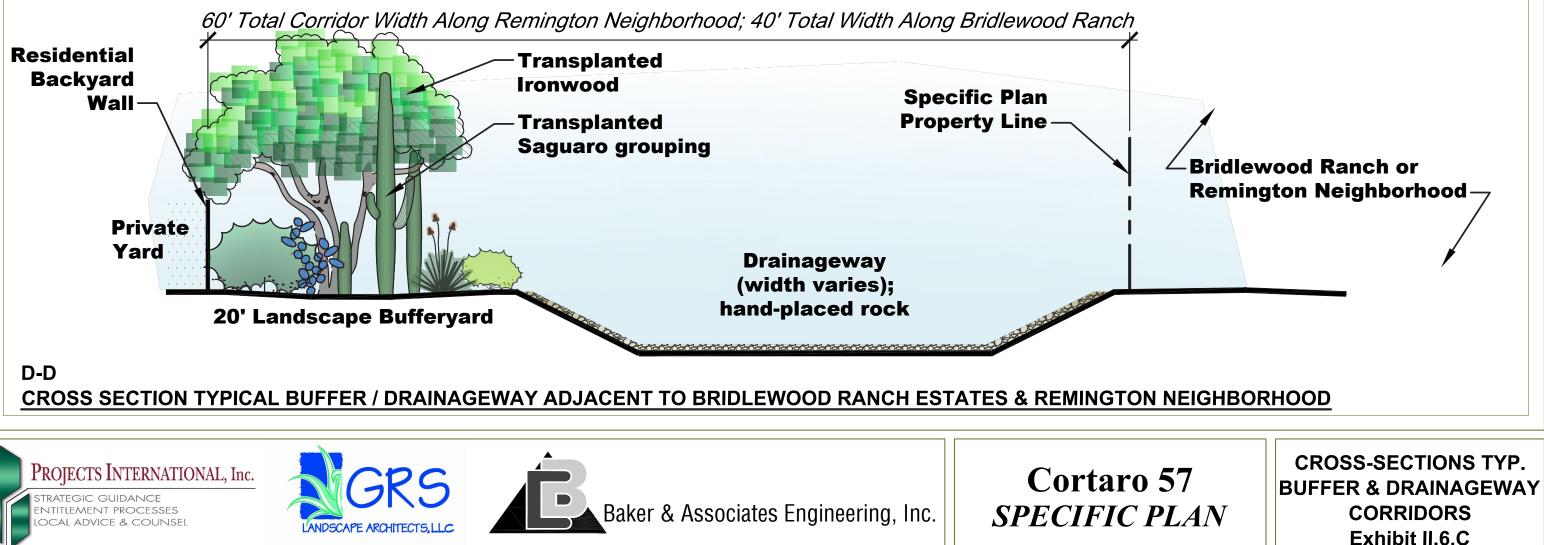


LANDSCAPE BUFFER GUIDING APPROACH:

Where possible, landscape borders will preserve existing vegetation in place. In those areas where preservation is not possible, the landscape borders will highlight transplanted Saguaro groupings and transplanted Ironwood trees. Understory plantings will be from a drought-tolerant, desert plant palette, utilizing species found on-site, wherever possible. Plant densities will mimic the natural desert, with enhancements to provide more effective screening and an aesthetic border.

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LANDSCAPE BUFFER GUIDING APPROACH:

Where possible, landscape borders will preserve existing vegetation in place. In those areas where preservation is not possible, the landscape borders will highlight transplanted Saguaro groupings and transplanted Ironwood trees. Understory plantings will be from a drought-tolerant, desert plant palette, utilizing species found on-site, wherever possible. Plant densities will mimic the natural desert, with enhancements to provide more effective screening and

II.B.2.a.11.c. Native Plant Preservation & Salvage

Due to the certain unique aspects of the Property's existing Saguaro and Ironwood plant community, the declining health characteristics of many of the aged Saguaros, and the challenges of successfully salvaging and transplanting such specimens, this Specific Plan will effectuate a customized salvage and transplantation program to satisfy the intent of Chapter 18.72 (Native Plant Preservation) of the County Zoning Code. The applicable regulatory standards and approach for this effort are described in detail in Section II.E (Native Plant Preservation Program) of this Specific Plan document.

II.B.2.a.11.d. Water Harvesting Provisions

Active and passive rainwater harvesting features will be detailed on the tentative subdivision plats, engineering plans, and landscape plans submitted for each new residential neighborhood within this Specific Plan. Such features can include, but not be limited to, curb cuts to direct street surface drainage into landscaped areas, depressed landscape areas that provide micro-basins, flush curbs, minimally compacted landscape areas, and pervious/semi-pervious pavers. No separate or stand-alone rainwater harvesting plans are required.

II.B.2.a.12. School Capacity Considerations

Coordination has been completed with the Marana Unified School District (MUSD) to determine the anticipated student population being generated by the Specific Plan at full buildout, as well as its impacts upon school capacity. MUSD's capacity analysis is provided in Exhibit II.10. Per same, the three District schools serving this site (Quail Run Elementary, Tortolita Middle, and Mountain View High School) are all well under capacity and can readily absorb the anticipated student population generated by the Project. The developer will articipate in MUSD's voluntary roof-top contribution program with the sale of each individual residential lot.

II.B.2.b. Development Standards: Non-Residential Uses

This Specific Plan features a small commercial site (Planning Area "C") with limited options for neighborhood-appropriate retail goods and services. It is highly possible that this commercial site will be developed after residents are already in place within Planning Area "A", so special care is required to ensure that the ultimate commercial or office uses in Planning Area "C" are integrated carefully and considerately within an established residential context. The following regulations and development standards shall apply.

II.B.2.b.1. Applicable Planning Areas & Permitted Uses

Non-residential uses are allowed in Planning Area "C" only.

II.B.2.b.1.a. Permitted & Accessory Uses

Permitted uses are generally those found in Chapter 18.43.030.A & B (Local Business) of the Zoning Code. However, the intent here is to allow only those types of lesser-intensive

GOVERNING BOARD

Maribel Lopez, Ed.D., President Hunter Holt, Vice President Tom Carlson, Member John Lewandowski, Member Dan Post, Member



ADMINISTRATION

Daniel Streeter, Ed.D., Superintendent Carolyn Dumler, Ed.D., Assistant Superintendent Kristin Reidy, Assistant Superintendent Dan Contorno, Chief Financial Officer

January 25, 2021

Mr. Jim Portner PROJECTS INTERNATIONAL, INC. 10836 E. Armada Lane Tucson, AZ 85749

RE: Rezoning of Property on E. Cortaro Farms Road near the Camino de Oeste Alignment, Cortaro 57 Specific Plan

Dear Mr. Portner,

Thank you for informing us of the 57-acre property on which ACM Ventures, LLC is proceeding with a rezoning application to Pima County. Based upon the ACM proposal, we understand that the site could be developed into approximately 250 single family homes directly south of Quail Run Elementary.

Marana Unified School District currently uses a factor of .25 students per home for elementary and .1 students per home for secondary. The conceptual design of 250 homes could generate about 63 elementary and 25 secondary students.

These future potential students can be supported by the following schools with their current enrollment/capacity numbers shown; Quail Run Elementary School (551/703), Tortolita Middle School (577/1234), and Mountain View High School (1867/2257). All schools have capacity for the impact this proposed development may have on our student population under current conditions.

Thank you for supporting the development of quality homes and businesses in our community. Marana Unified School District knows that one of the keys to the continued success of our wonderful community is the quality of our children's education. This belief is held so strongly that we have multiple developers providing the school district with rooftop impact development fees. The district uses these funds to ensure that necessary infrastructure is in place to support growth and maintain an inspiring education for every child. Voluntary developer participation in this process is an invaluable investment in our community. Please contact the Marana Schools Finance Office at 520-682-4756 to learn more about participation.

Please contact Dan Contorno at 520-682-4756, or myself at 520-616-4521 if you have any further questions.

Sincerely,

Russell Federico, M.Ed. Executive Director of Bond and Capital Projects Marana Unified School District

Inspiring students to learn today and lead tomorrow.

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uses and retail goods & services that will integrate well with the immediate residential neighborhoods and be utilized by them on a regular basis. Best examples include bakeries, cafes, coffee shops, automated carwash, professional offices, and medical offices or clinics. An extensive list of voluntarily prohibited uses has been provided below to help facilitate the above intent.

II.B.2.b.1.b. Prohibited Uses

The following uses normally permitted by Chapter 18.43.030.B are expressly prohibited and are listed here by their associated numbering in the Code:

- 7. auto mechanical repair
- 8. auto parking lot
- 10. automobile lubrication and oil-change operation
- 11. auto tire store
- 17. billiard/pool hall
- 41. garage, for public storage
- 42. gasoline service station
- 46. hotel
- 53. large-scale retail establishment
- 60. mechanical and electronic games arcade
- 88. shopping center; neighborhood
- 90. shopping center, regional
- 93. station, bus or stage
- 98. theatre
- 102. trailer rental
- 108. water, telephone, or telegraph distribution station
- 109. wholesale of oil

While not specifically enumerated in Chapter 18.43.030.B, a convenience store with multiple fuel pumps and canopy is also voluntarily precluded from Planning Area "C". While this use might provide a variety of desirables to the nearby residences, its traffic intensity is viewed as inappropriate for the neighborhood-appropriate concept being sought here.

II.B.2.b.2. Neighborhood Commercial Concept

Exhibit II.8 provides a pictorial of commercial/retail/office offerings that fit the principles and the desired look and feel of Planning Area "C". There is no guarantee that any of these individual users will ultimately occupy the Site; these examples are provided for a sense of character only. As articulated above, the intent here is to provide neighborhood-appropriate retail goods and services that are complementary to the new Specific Plan communities, as well as to the existing residential subdivisions already established in the surrounding area. While traffic from a major arterial such as Cortaro Farms Road will always be a significant part of any businesses at this location, the desire here is to provide ones that will optimally derive a material part of their customer base and revenue from the more immediate residents, with a significant amount of their arriving traffic being pedestrians living nearby.

























II.B.2.b.3. Site Development Criteria

- (1) Minimum Lot Area: None
- (2) Minimum Lot Width: None
- (3) Separation Between Buildings: Per Building Code
- (4) Maximum Building Height: 2 stories/30 feet (30')
- (5) Minimum Building Setback Along Adjacent Public Streets: 30 feet
- (6) Minimum Landscape Border Along Adjacent Neighborhood Street or Residential Development: 15 feet*
- (7) Maximum Lot Coverage: None
- (8) Setbacks and buffers along the Cortaro Farms Road frontage will conform with applicable Scenic Route requirements per the County's Major Streets and Routes Plan

Note:

* Minimum Landscape Border refers to the perimeter of Planning Area "C" only, not to individual buildings, tenants or sub-parcels within it.

II.B.2.b.4. Parking Requirements

Motor Vehicle and Bicycle Parking requirements of Zoning Code Chapter 18.75 (Off-Street Parking and Loading) will apply, with the following exception to encourage alternative transportation: the cumulative vehicle requirements at full build-out, as calculated for all individual uses or tenants, may be reduced by 20% of the parking spaces normally required.

II.B.2.b.5. Off-Street Loading Criteria

Planning Area "C" will comply with the off-street loading requirements contained in Chapter 18.75 of the Zoning Code, with the following exceptions:

- (1) No designated loading spaces are required for businesses of 2,500 square feet or less of GFA. Loading spaces provided for businesses of more than 2,500 GFA may be reduced in size to accommodate a van or small panel truck and shall be a minimum of 8.5' x 23'.
- (2) Two or more principal uses within Planning Area "C" may treated as a single project and so may share designated loading spaces. No loading zone shall be larger than 12'x35'. An overhead clearance of fifteen (15) feet shall be provided.

II.B.2.b.6. Landscape Requirements

As mentioned above, in terms of timing, it is highly possible that Planning Area "C" will be developed after adjoining residents are already in place within Planning Area "A". The following landscape requirements shall therefore apply to Planning Area "C" to help ensure an appropriate juxtaposition of any new retail/office uses with existing residences.

(1) Landscape Concepts and Plant Palette

The landscape concept and plant palette for this non-residential area shall be consistent with that as articulated above in Section II.B.2.a.11.a of this Specific Plan.

(2) Screening Requirements & Standards

A minimum twenty foot (20') wide landscape border will be provided along both Cortaro Farms Road and Camino de Oeste. A minimum fifteen foot (15') wide landscape border will be provided where Planning Area "C" abuts an adjacent neighborhood street or residential lots. Screening of any clustered parking along Cortaro Farms Road, Camino de Oeste, an adjacent neighborhood street, or adjacent to residential lots shall have a landscape or screen wall element of minimum thirty inches (30") in height. Any drive-thru facilities adjoining a neighborhood street or adjacent residential lots shall also require the same thirty inch (30') screening element. Screenwalls may be located within prescribed landscape borders.

(3) Functional Open Space Standards

Functional Open Space (FOS) will be provided within this non-residential planning area through a combination of outdoor seating areas, covered patios, or connections to nearby trails/pathways/sidewalks within adjacent residential neighborhoods. A total of 2% of the total Planning Area will be required to be set aside as FOS. For more information regarding functional open space particulars, refer to Section III.B.2.c of this Specific Plan.

(4) Water Harvesting Provisions

Development within Planning Area "C" will integrate passive water harvesting features. Such features can include, but not be limited to, curb cuts to direct pavement surface drainage into landscaped areas, depressed landscape areas that provide micro-basins, flush curbs, minimally compacted landscape areas, and pervious/ semi-pervious pavers. No separate or stand-alone rainwater harvesting plans are required; water-harvesting features will be detailed on the project's engineering and landscape construction drawings.

II.B.2.b.7. Lighting

All outdoor lighting shall comply with the Pima County Outdoor Lighting Code (OLC). Lighting is allowed within parking areas, along pedestrian routes, and attendant to non-residential signage using full cut off lights. Landscape accent lighting is permitted.

II.B.2.b.8. Trash, Recycling, Loading Operations & Screening

Trash and recycle collection will be allowed between 7:00 am and 7:00 pm only. Loading and delivery docks, if facing residential neighborhoods, will be screened with walls that are a minimum of six feet (6') height and which are designed to prevent unreasonable light, noise and visual impact on such residential neighborhoods. Solid waste & recycling enclosures will be located within a walled and gated enclosure of minimum six feet (6') height. All such screenwalls or waste/recycling enclosures shall generally match the predominant color and materials palette of the buildings within the Planning Area. The signage of Planning Area "C" shall further the identity and image of the Specific Plan, be consistent in character with the monuments used at residential subdivision entries. Signage shall accord with the following

(1) Free-Standing Signs

A single (1) free-standing sign shall be allowed at the Planning Area's lone access driveway onto Cortaro Farms Road. It shall be in accordance with Chapter 18.79 (Sign Standards) of the Zoning Code, with the following modification to Sub-Chapter 18.79.080.D: the maximum sign copy area is seventy-five (75) square feet.

(2) Building Entryway and Wall Signs

Building entry signs and wall signs shall accord with Sub-Sections 18.79.080.B & H of the Zoning Code.

(3) Wayfinding

A series of small wayfinding sings, as needed, shall be implemented within Planning Area "C" to assist directing vehicular traffic, and to guide pedestrian traffic from adjacent residential areas.

(4) Materials/Color Scheme

A general aesthetic consistency between commercial building style and sign design shall be provided. Color schemes for signage are allowed to vary from one another for aesthetic interest, but must still generally relate to other signs, graphics and building color schemes in the vicinity.

II.B.2.c. Development Standards: Natural and Functional Open Space

Natural and functional open space elements are provided throughout all Planning Areas of this Specific Plan. This Section provides their standards and regulatory parameters, and distinguishes between natural and man-made elements accordingly.

II.B.2.c.1. Applicable Planning Areas & Permitted Uses

While the standards and provisions of this Section apply to all Planning Areas, particular emphasis is given to Planning Area "B", since the majority of this Area will be set-aside as undisturbed, natural open space to protect and preserve an existing floodplain corridor. That being said, man-made functional open space elements (FOS) also represent a key part of the entire Project, providing both active and passive experiences for all residents.

The primary use and purpose of Planning Area "B" is natural, undisturbed open space. Accessory uses within Planning Area "B" are: 1) graded and landscaped detention/ retention basins; 2) their associated inlet and outlet structures; 3) a single road crossing by a neighborhood street so as to connect residential neighborhoods within Planning Area "A"; and 4) nature trails (4' width maximum) carefully routed within the natural area so as to avoid disturbance of any tree specimens or significant shrubs.

Permitted open space uses within Planning Area "A", "C" and "D" are all of the man-made variety and formally comprise Functional Open Space (FOS). Functional Open Space (FOS) is that which provides passive and active recreation opportunities, and includes elements such as neighborhood mini-parks, trailheads to Planning Area "B" nature trails, landscaped detention/retention basins and drainage channels, shared common areas, and perimeter landscape buffers of existing adjacent neighborhoods. FOS calculations will be provided at the time of future final design and subdivision platting.

II.B.2.C.1.b.Prohibited Uses

Prohibited uses with respect to open space apply only to Planning Area "B". In that this corridor is designated primarily a natural-area set-aside, all uses other than those certain Accessory ones enumerated in Section II.B.2.C.1.a immediately above (e.g. landscaped detention basins, the road crossing) shall be expressly prohibited.

II.B.2.C.2 Neighborhood Mini-Park Provisions

Neighborhood mini-parks will be provided within the Planning Areas "A" and "D" (refer to prior Exhibit II.6.a for neighborhood park conceptual locations). A minimum of three (3) mini-parks will be provided to serve the residents of these two Planning Areas; these may be integrated with drainage basins in joint-use fashion, if feasible, subject to ensuring appropriate safety considerations for all users.

Each mini park will each provide a minimum of one-third of an acre (14,375 SF) of landscaped park area. Each mini-park will include the following minimum amenities:

- Play features such as swings and/or active play elements for age 3-5 and 5-12 (ADA accessible)
- (2) 2 Benches
- (3) 1 Ramada
- (4) Durable ground treatments such as turf, decomposed granite, or rubberized surfacing in play areas.

Formal Recreation Area Plans (RAP's) for all neighborhood parks will be provided per Pima County Natural Resources, Parks & Recreation standards at the time of future subdivision platting or site development plan filings. All such parks shall be privately maintained.

Pedestrian pathway and trail elements will be provided in accordance with the following:

- (1) Pedestrian connectivity shall be provided between the residential areas, neighborhood mini-parks, and open spaces. Sidewalks will be provided on all neighborhood streets and will generally occur on both sides, but may occur only one side when the other is not fronted with residential lots or where other site conditions do not warrant the continuation of a double sidewalks. All sidewalks will be paved and be a minimum of five (5) feet in width.
- (2) Supplemental pedestrian trails within landscaped common areas, when provided, will have a minimum width of four (4) feet and may be paved or compacted natural surface. Trails shall further provide linkages within residential Planning Areas "A" and "D" to their sidewalk systems, common areas, and neighborhood mini-parks. Passive recreational amenities such as seating and small shade structures are encouraged, but not required.
- (3) Nature trails within Planning Area "B" shall be no more than four feet (4') wide and shall be circuitously routed as necessary within the natural area so as to not disturb or require the removal of any significant trees, shrubs, or ground-story groupings of vegetation. Asphalt or concrete surfacing is not allowed for nature trails.
 - II.B.2.C.4 Open Space Relationship to Common Areas

Private common areas within the various residential neighborhoods will function as open space areas that generally provide for active or passive open space, or which incorporate basic common elements and services to all residents of the neighborhood. Common areas can incorporate the neighborhood's mini-park, drainage and perimeter buffer areas, and landscape areas adjacent to street rights-of-way. All common areas within residential neighborhoods will be owned and maintained by the respective homeowners association of that particular subdivision.

II.B.2.C.5 Maintenance Responsibilities

All natural open space (NOS) and functional open space (FOS) within Planning Areas "A" and "D" will be owned and maintained by either a Master Homeowners Association for the entire Specific Plan, or by individual HOA's within each residential neighborhood.

II.B.2.C.6. Contribution to Conservation Lands System (CLS) Compliance

The natural, undisturbed portion of Planning Area "B" shall constitute this Specific Plan's on-site contribution toward compliance with the Conservation Lands System (CLS). The final acreage of this on-site contribution shall be calculated at the time of future subdivision platting. Nature trails within Planning Area "B" can be included in the total on-site set-aside figure, as long as they are routed in accordance with Section II.B.2.c.3 above. Based upon the final on-site natural acreage figure, the Pima County Office of Conservation and Sustainability shall promulgate the total acreage of off-site mitigation lands required to achieve the Project's full CLS compliance.

II.C Transportation Infrastructure

A preliminary traffic impact analysis has been prepared for this Specific Plan by M. Esparza Engineering, LLC (MEE). This preliminary report is a companion document to this Specific Plan and is contained in Appendix B. The narrative below summarizes the particulars and findings of the report so as to provide a capsulized version of the Project's traffic-related particulars and impacts. Readers desiring more in-depth traffic and transportation detail are directed to Appendix B. A full TIA, in conformance with Pima County Department of Transportation (PCDOT) standards, will be furnished in conjunction with future subdivision platting of the Specific Plan area. This is the appropriate timing for a full TIA, in that this is when final lot yields and other pertinent development specifics are known.

II.C.1 Traffic Impact Analysis (TIA) Summary of Impacts

The MEE traffic study projected and evaluated the immediate transportation system in both the pre-development and post-development (i.e. ultimate build-out) condition. This analysis assessed the operations of Cortaro Farms Road and Camino de Oeste in the postdevelopment condition, where the latter is extended in conjunction with this Project and creates a new intersection with Cortaro Farms Road. The study also touches upon related issues such as the proximity of Quail Run Elementary School and the potential for increased pedestrian crossings.

a. Scope of Traffic Study & Methodology

The traffic study's scope and methodology was structured to achieve the following objectives:

- Evaluate the current and future operational characteristics of the adjacent roadway network surrounding the Specific Plan site.
- Conservatively estimate the traffic generation associated with the proposed Specific Plan and assign that traffic to the adjacent roadway system. Approaching things conservatively at this stage assures that the proverbial worst-case scenario has been contemplated and that any future changes will result in a lessening, rather than an increase, in anticipated impacts.
- Analyze future traffic operations at the new intersection being created when Camino de Oeste is extended to meet Cortaro Farms Road.
- Examine the potential need for any improvements, such as deceleration and/or dedicated turn lanes, on the adjacent public streets.
- Discuss the proximity of Quail Run Elementary School and any related issues that emerge from development of the Specific Plan property and the extension of Camino de Oeste to a connection with Cortaro Farms Road.
 - b. Traffic/Transportation Impacts of Proposed Build-out

At full build-out (estimated at 3-5 years), the proposed Specific Plan is projected to add a total of approximately 4,722 weekday vehicle trips per day (VTPD) to the transportation system, with 505 trips occurring during the AM peak hour and 340 trips during the PM peak hour.

These trips are effectively split at 50% (2,361) being incoming trips and 50% (2,361) being outgoing trips. This total reflects a maximum-case development scenario for the overall Property, and has conservatively contemplated the highest potential trip generators for the future commercial block (Planning Area "C"), together with the development of rental homes in Planning Area "D" instead of detached single-family residences. As such, the ultimate trip-generation for the overall Project may be significantly less than the above, depending on the final neighborhood-commercial end users, together with the likelihood that Planning Area "D" may very well be developed with conventional single-family residences rather than rental homes. Nonetheless, this conservative approach is appropriate so that the worst-case alternative is fully contemplated.

All intersections within the surrounding study area currently operate at an adequate level of service (LOS) and are expected to continue to do so with the new traffic from the project.

c. Public Transit Considerations

No Sun Tran routes currently serve Cortaro Farms Road. The nearest public transit is Sun Shuttle Route #412, which serves the Thornydale Road corridor one (1) mile to the east. The continued development and associated increase in population along Cortaro Farms Road will help raise demand levels to where Sun Tran service can ultimately be justified.

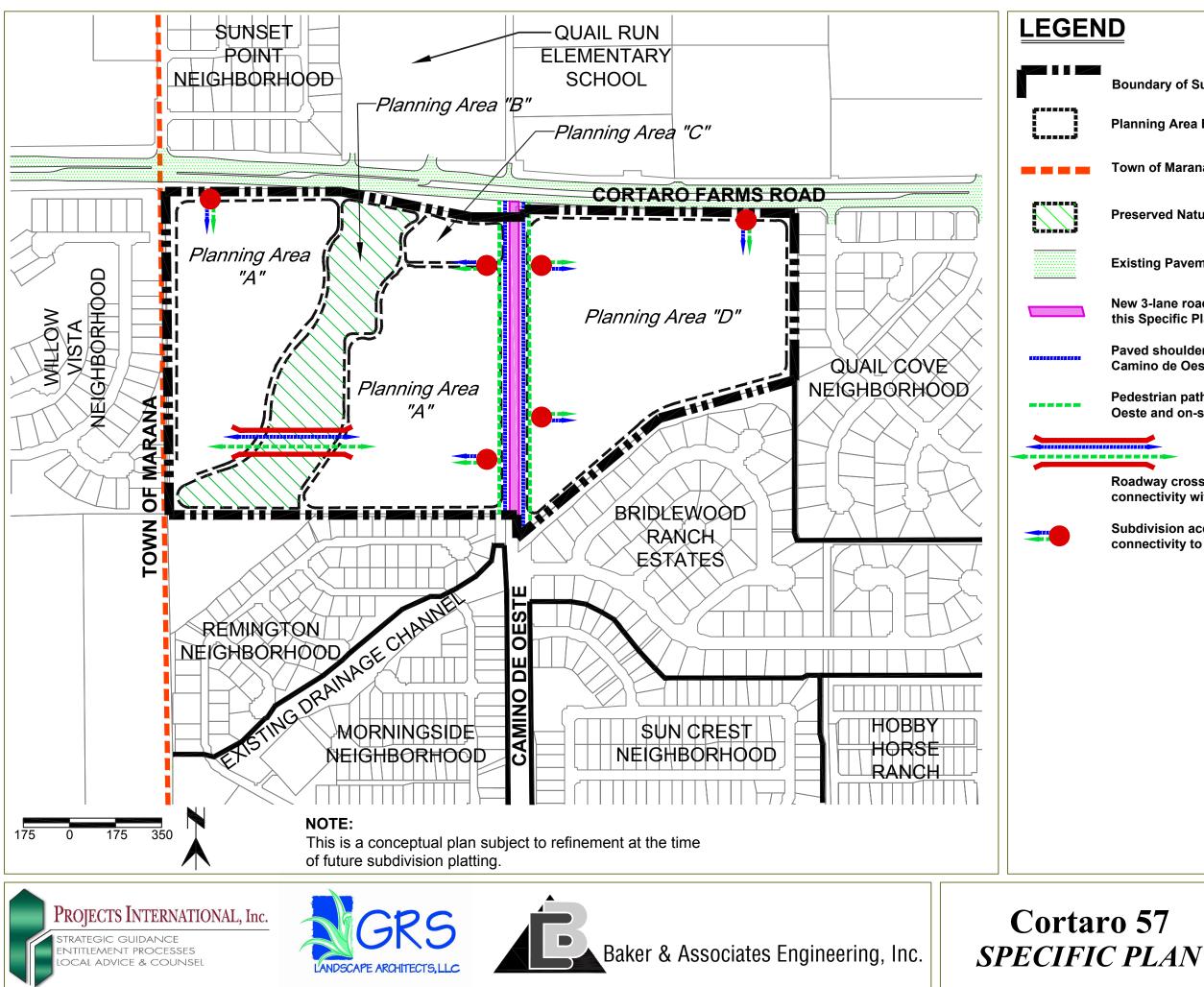
d. Multi-Modal Considerations, Impacts & Benefits

Sidewalks and striped multi-use/bike lanes already exist along both sides of Cortaro Farms Road. Pedestrian paths will be provided along the extended section of Camino de Oeste (a designated *Major Streets and Routes [MS&R]* collector) that will be completed in conjunction with this Specific Plan, thereby generally enhancing connectivity with the Cortaro Farms Road corridor. We also anticipate that PCDOT requirements for this *MS&R* street will include paved shoulders; these can double as multi-use and bicycle lanes. All of these improvements enhance multi-modal connectivity throughout the surrounding area and provide a new, direct linkage between Cortaro Farms Road and the thousands of existing residences to the immediate south.

II.C.2 Transportation Improvements & TIA Recommended Modifications

a. Camino de Oeste Extension

As already mentioned several times, this Specific Plan will extend Camino de Oeste (CDO) northward to create a new intersection with Cortaro Farms Road. It is expected that his connection will be a T-intersection, in that no median opening currently exists within Cortaro Farms Road at this specific location, and none is envisioned or being requested. It is anticipated that the new CDO segment will have a three-lane cross-section with a continuous left turn lane, paved shoulders, and pedestrian paths (perhaps meandering asphalt as opposed to concrete sidewalks) on both sides of the street. The aforementioned center turn-lane will transition just before the Cortaro Farms Road intersection since (without a median opening) only right-turns will be allowed onto this arterial. Final details as to all of the above will be determined with PCDOT at the time of future tentative platting and final design.



Boundary of Subject Specific Plan

Planning Area Boundaries

Town of Marana Boundary

Preserved Natural Drainage Corridor

Existing Pavement and Median in Cortaro Farms Road

New 3-lane roadway for Camino de Oeste extension with this Specific Plan

Paved shoulder for multi-use / bike lane; both sides of Camino de Oeste; bike-friendly on-site subdivision streets

Pedestrian path or sidewalk; both sides of Camino de Oeste and on-site subdivision streets

Roadway crossing of natural area with bike & pedestrian connectivity within Planning Area "A"

Subdivision access points with bike & pedestrian connectivity to on-site public streets

PEDESTRIAN / BIKE CONNECTIVITY Exhibit II.9

Based upon the preliminary traffic study, it is possible that an eastbound right-turn deceleration lane may be required on the south side of Cortaro Farms Road (along the Project's frontage) to safely effectuate southbound right turns into the driveway entry for Planning Area "C" (the proposed commercial/retail/office site) and southbound onto the new Camino de Oeste extension. Final determination as to whether such a dedicated right-turn lane will ultimately be required, along with any associated storage length, can only be determined when specific end users are known. We anticipate these specifics will be finalized when the aforementioned full Traffic Impact Assessment (TIA) is completed at the time of future subdivision platting and when particular commercial/retail/office tenants are identified.

All access into and out of the Specific Plan off of Cortaro Farms Road shall be right-in/rightout only. Access into and out of the Project from the Camino de Oeste extension shall be unrestricted in terms of turning movements.

c. Signalization Considerations

Based upon the existing background traffic and the additional vehicle trips resulting from the proposed Project, no new traffic signal appears warranted at the Cortaro Farms Road/ Camino de Oeste intersection. This is due, in large part, to the fact that this is anticipated as a T-intersection, where only right-turns will be allowed.

d. Quail Run Elementary School Issue

Quail Run Elementary School is located on the north side of Cortaro Farms Road, directly across the street from this Specific Plan. The aforementioned extension of Camino de Oeste to a new intersection with Cortaro Farms Road raises the following issues:

- 5. All of the existing residences south of the Specific Plan will now have a direct vehicular, pedestrian and bicycle route approaching the School.
- 6. The proposed neighborhood-level commercial goods and services contemplated in this Specific Plan within Planning Area "C" may comprise an attractive destination for school students. The ultimate degree of appeal in this regard is dependent, of course, on the final end-users. A coffee or donut shop, for example, would be more attractive than medical offices.

Nonetheless, and even without final end-users identified in Planning Area "C", the above points raise the possibility of a designated pedestrian crossing. As the impetus for such a crossing arises not only out of this Specific Plan, but also as a result of increased traffic anticipated from the more than one thousand existing homes to the south, this issue is one that must be discussed in conjunction with both the Pima County Department of Transportation (PCDOT) and the Marana Unified School District (MUSD) at the time of future subdivision platting and actual site development.

II.C.3 Typical Cross-Sections for Subdivision Public Streets

All subdivision streets within this Specific Plan's single-family residential neighborhoods will be public and be designed and constructed in accordance with PCDOT standards. Final specifics as to pavement widths, cross-sectional features, and provisions for on-street parking will be detailed at the time of future tentative platting for each residential block.

Streets or parking area access lanes (PAAL's) in conjunction with multi-family/rental homes (if developed within Planning Area "D") will be constructed to private street standards and be privately maintained.

II.D Conceptual Drainage Solution and Associated Improvements

II.D.1 Master Drainage Plan

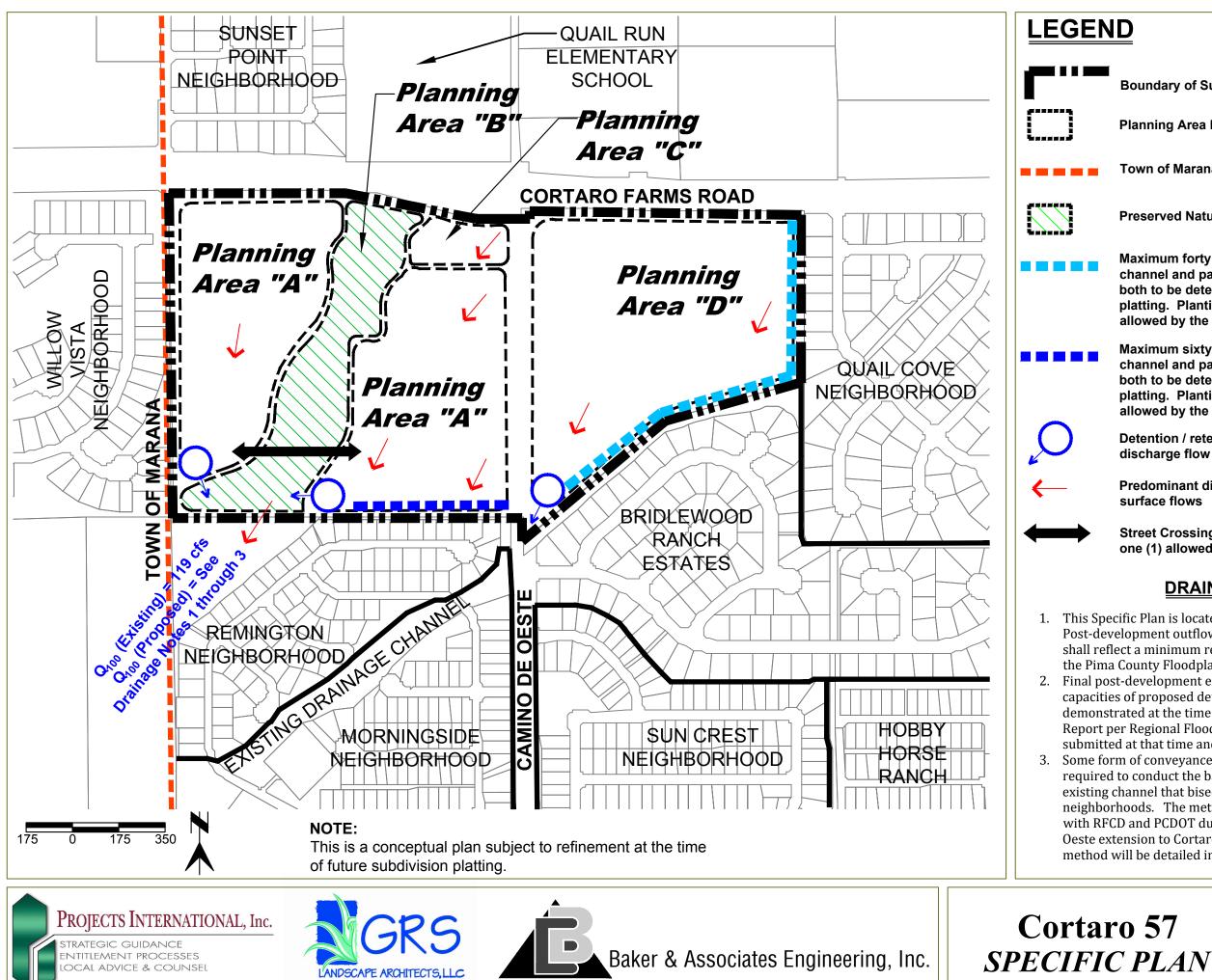
The entire Specific Plan is located within a designated critical basin. Post-development outflows generated by each developed Planning Area must achieve a minimum reduction of ten percent (10%), as prescribed by the Pima County Floodplain Ordinance, over the predeveloped conditions for the 2-year, 10-year and 100-year storm events. Exhibit II.10 provides the post-development master drainage schematic for the Project.

In general, incoming offsite drainage flows will have minor impacts upon the planned residential neighborhoods. By far the largest incoming flow (approximately 350 cfs) enters the property via four (4) 4' x 8' RCBC's beneath Cortaro Farms Road and proceeds directly into Planning Area "B". This Area is designated as a preserved natural wash corridor by the Specific Plan. This flow will be conveyed through the Site via the existing natural channel within Planning Area "B".

The other incoming flows to the Plan site are comparatively small (ranging from 10 to 32 cfs) and can be considered routine in terms of incorporating them into the Project's drainage design.

Given the overall size of this Project, the anticipated length of its build-out (3-5 years), and the changes in market preference that often occur over time, detailed lot planning is wholly conceptual at this point and will not be fully finalized until the time of future subdivision platting. As such, the hydrologic analysis and master drainage plan presented in Exhibit II.10 is similarly conceptual. At the same time, the findings and approach presented herein represent a reliable schematic of the Project's post-development major drainage features.

With all of the above in mind then, Planning Areas "A", "C" and "D" will be developed such that drainage generated within each new neighborhoods or commercial site will be directed to the interior residential streets, and from there conveyed to new perimeter channels and utlimately to strategically located retention/retention basins. The channels and basins will be sized accordingly so as to accommodate all post-development flows and to achieve the aforementioned 10% critical-basin discharge reduction.



Boundary of Subject Specific Plan

Planning Area Boundaries

Town of Marana Boundary

Preserved Natural Drainage Corridor

Maximum forty foot (40') wide corridor comprised of a drainage channel and parallel landscape buffer; respective widths of both to be determined at time of final design and subdivision platting. Planting in channel bottom possible to the extent allowed by the Regional Flood Control District (RFCD)

Maximum sixty foot (60') wide corridor comprised of a drainage channel and parallel landscape buffer; respective widths of both to be determined at time of final design and subdivision platting. Planting in channel bottom possible to the extent allowed by the Regional Flood Control District (RFCD)

Detention / retention basin with direction of discharge flow

Predominant direction of post-development surface flows

Street Crossing of Natural Area; no more than one (1) allowed

DRAINAGE NOTES

1. This Specific Plan is located within a designated critical basin. Post-development outflows generated by each developed Planning Area shall reflect a minimum reduction of ten percent (10%), as prescribed by the Pima County Floodplain Ordinance, over the pre-developed condition. 2. Final post-development exiting flows, together with final volumes and capacities of proposed detention/retention basins, will be determined and demonstrated at the time of future subdivision platting. A full Drainage Report per Regional Flood Control District (RFCD) standards shall be submitted at that time and be subject to RFCD review and approval. Some form of conveyance across or beneath Camino de Oeste will be required to conduct the basin discharge from Planning Area "D" to the existing channel that bisects the downstream Remington & Morningside neighborhoods. The method of conveyance will be jointly determined with RFCD and PCDOT during final engineering design of the Camino de

Oeste extension to Cortaro Farms Road. The particulars of the conveyance method will be detailed in the aforementioned full Drainage Report.

CONCEPTUAL MASTER DRAINAGE PLAN Exhibit II.10

II.D.2 Post-Development Outfall Locations Existing the Specific Plan

Post-development flows exiting the Specific Plan occur in two primary outfall locations (see Exhibit II.10):

- 1. At the southern terminus of Planning Area "B" (the preserved natural wash corridor), where the existing natural channel exits the Property and continues off-site in a southwesterly direction. Two (2) detention basins within adjacent Planning Area "A" will outlet into this same channel, but do so in metered fashion. These basins will be sized to ensure that the outflows from Planning Area "A" satisfy the 10% critical-basin reduction requirement.
- 2. At the proposed basin in the southwest corner of Planning Area "D" adjacent to Camino de Oeste. This basin will outlet to the southwest, where its flow will ultimate be conveyed to the existing drainage channel that presently bisects the downstream Remington and Morningside residential neighborhoods. The method of conveyance across or beneath Camino de Oeste will be jointly determined in conjunction with RFCD and PCDOT during final engineering design of the Camino de Oeste extension to Cortaro Farms Road.

II.D.3 Retention/Detention Requirements & Provisions

As mentioned above, the critical-basin designation of the entire Specific Plan site requires a minimum 10% reduction over the pre-development condition for the 2-year, 10-year and 100-year storm events. The detention basins discussed above shall effectuate these statutory reductions. First-flush retention will also be provided in all new basins.

II.E Project Landscape Program & Native Plant Preservation

II.E.1 Proposed Landscape Concept: Major Components & Features

Exhibit II.8 provides a simplified framework of the overall Project's major landscape elements and features. The Project's landscape palette and principles shall accord with those parameters outlined in Section II.B.2.m of this document so as to provide a consistent and unified character throughout the entire Specific Plan. Final design detail of all landscape areas will be provided on formal Landscape Plans submitted in conjunction with future subdivision plats and development plans for review and approval by Pima County.

II.E.2 Native Plant Inventory Findings

A complete inventory of saguaros and ironwood trees has been completed as part of this Specific Plan's preparation and is provided in Appendix C. The inventory focused on these two species alone because the set-aside methodology, as allowed per Chapter 18.72 (Native Plant Preservation) of the Zoning Code will be utilized on this Project. The set-aside

percentage calculation shall contemplate substantial off-site mitigation lands being provided for Conservation Lands System (CLS) compliance; we anticipate the final set-aside calculation shall be a minimum of three hundred percent (300%) of the developed acreage.

The Project Site contains saguaro and ironwood specimens at densities which are slightly higher than those found in the typical desert environment. Each specimen has been inventoried, located by GPS, and assessed in terms of condition (viability) and transplantability (see Appendix C for individual specimen evaluations).

II.E.3 General Condition & Health of On-Site Plant Community

In general terms, the overall health of the saguaro and ironwood community on the property is good. The one significant qualifier to this statement pertains to the larger saguaro specimens (those more than eighteen feet [18'] in height) on the property. As found during the aforementioned inventory, many of these specimens are aged and in decline. In fact, the Site already contains numerous older saguaros that have expired, wholly collapsed in place or are currently leaning or decaying. With this factor in mind, specialized criteria and procedures for the treatment of the larger saguaro specimens are needed. These are described more full in Section II.E.4 immediately below.

II.E.4 Proposed Salvage & Transplantation Program

All saguaros under eighteen feet (18') in height, together with all Ironwood trees, will be addressed in accordance with Chapter 18.72 (Native Plant Preservation) of the Zoning Code through a combination of on-site preservation and/or salvage, together with the off-site mitigation provisions prescribed within Chapter 18.72.090.B. Smaller cacti and succulents on the property not being salvaged and transplanted will be offered to the public through coordination with a local conservation organization, such as the Tucson Cactus and Succulent Society. An advanced notice period shall be provided prior to the commencement of grading activity, during which time interested individuals will be permitted to enter the Property (under suitable liability waivers) to remove specimens of interest.

Saguaros eighteen feet (18') or taller will also be generally addressed in accordance with Chapter 18.72 mitigation provisions, but additional discussion of these specimens is appropriate due to their greater aesthetic and environmental value.

The Specific Plan site contains a significant number of saguaros in this size category, many of which feature multiple arms. The aforementioned health issues of some of these notwithstanding, all of these specimens represent substantial difficulties when it comes to their successful transplantation and prospects for subsequent survival. These difficulties stem from the prodigious weights involved, together with structural issues and the pragmatic mechanical limitations of physically unearthing and then safely transporting and ultimately replanting each specimen in intact fashion.

Moving and transplanting saguaros of any significant size is challenging due to factors such as access, slopes, soil instability, and pronounced leaning due to structural deficiencies. These manifold factors are amplified greatly with larger specimens and further undermine the overall

prospects for success and survival. Preserving all, or even most, of these larger saguaros in place is simply not a practical option, in that it would essentially render the entire property unusable. While this may be desirable to some environmental enthusiasts, it represents an unrealistic and improper hardship on a private landowner and is not consistent with the intent and purpose of Chapter 18.72.

Based upon the inventory and assessment work completed to date, we know that the Specific Plan property contains one hundred forty-one (141) Saguaros that are 18' or more in height. Of these, approximately fifty percent (50%) are more than twenty-five feet (25') tall. The breakdown of these specimens is as follows:

- Twelve (12) can be preserved in place.
- Six (6) can be salvaged and transplanted.
- Thirty-nine (39) are non-viable. These specimens are already declining and in some stage of dying, are significantly diseased, or have severe structural deficiencies that will ultimately lead to collapse
- Thirty-nine (39) are generally healthy but non-movable for deficiencies other than sheer size. These specimens are already leaning and/or a collapsing hazard, or sit on slopes or in areas that preclude any physical access or handling by industry best practices and available salvage technology.
- Forty-five (45) are healthy, but not moveable because of sheer size alone, their immense weight, and the mechanical limitations of currently available salvage equipment and technology.

At the time of future subdivision platting and the preparation of final Native Plant Preservation Ordinance (NPPO) plans, a joint field-walk will be conducted by the project landscape architect and a local expert in saguaro salvage and relocation. This field-walk will determine whether any additional specimens, beyond the number identified above, might represent realistic prospects for successful salvage and transplantation.

With respect to the above breakdown, it is the last two categories of immovable giant saguaros (84 in total) which can be acknowledged as suitable for a specialized mitigation program. This Specific Plan proposes that a targeted off-site property of significant environmental and habitat value be used as mitigation for these giant specimens.

We have completed a field-sampling inventory of the "Primavera" parcel located in Cochie Canyon (Tax Parcel Nos. 218-09-002B & C). Three (3) representative areas (totaling 1.2 acres) were sampled to ensure an unbiased assessment that was truly representative of the overall property. This sampling yielded the following results:

- a density of 49.2 saguaros per acre that are less than 18' tall
- a density of 10.2 saguaros per acre that 18'-25' tall
- a density of 35.0 saguaros per acre that are greater than 25' tall

Given the above, and if concerned only with a plant-for-plant replacement, furnishing two (2) acres of the above lands as additional off-site mitigation would constitute a 1:1 matching of the identified eight-four (84) large saguaros. Furnishing 5.6 acres would achieve a 3:1 replacement ratio.

Far beyond this simple plant-for-plant focus, however, furnishing such mitigation lands would also provide the tremendous manifold benefits of many smaller saguaros, ironwood trees, palo verde trees, and generally intact, high-quality habit that is contiguous with already preserved lands. Furthermore, it has no presence of dumping, homeless, vandalism, or plant theft, all of which are occurring presently on the Specific Plan property.

Given the dismal success/survival rate that results from moving large saguaros (20% success *at best*), it is clear that monies involved in any such efforts are better channeled in the community interest toward the purchase and dedication of additional off-site mitigation lands like those described above.

This Specific Plan stipulates that the off-site mitigation lands furnished to compensate for the eighty-four (84) giant saguaros on this property must:

- Be in addition to those off-site mitigation lands being already set-aside to satisfy the 4:1 Conservation Lands System (CLS) mitigation requirement for this Specific Plan.
- Be found acceptable by the Pima County Office of Conservation and Sustainability.
- Be contiguous with existing public preserves, or deemed of special value for targeted preservation areas (e.g. within a designated wildlife corridor).
- Possess significantly less (ideally none) of the negative qualities of the Specific Plan property (e.g. dumping, vandalism, homeless encampments)
- Be a contiguous parcel of not more than ten (10) acres in total size

The above approach provides far greater net benefit to the community than any salvage & transplantation model ever could, or more than any plant-for-plant ratio program.

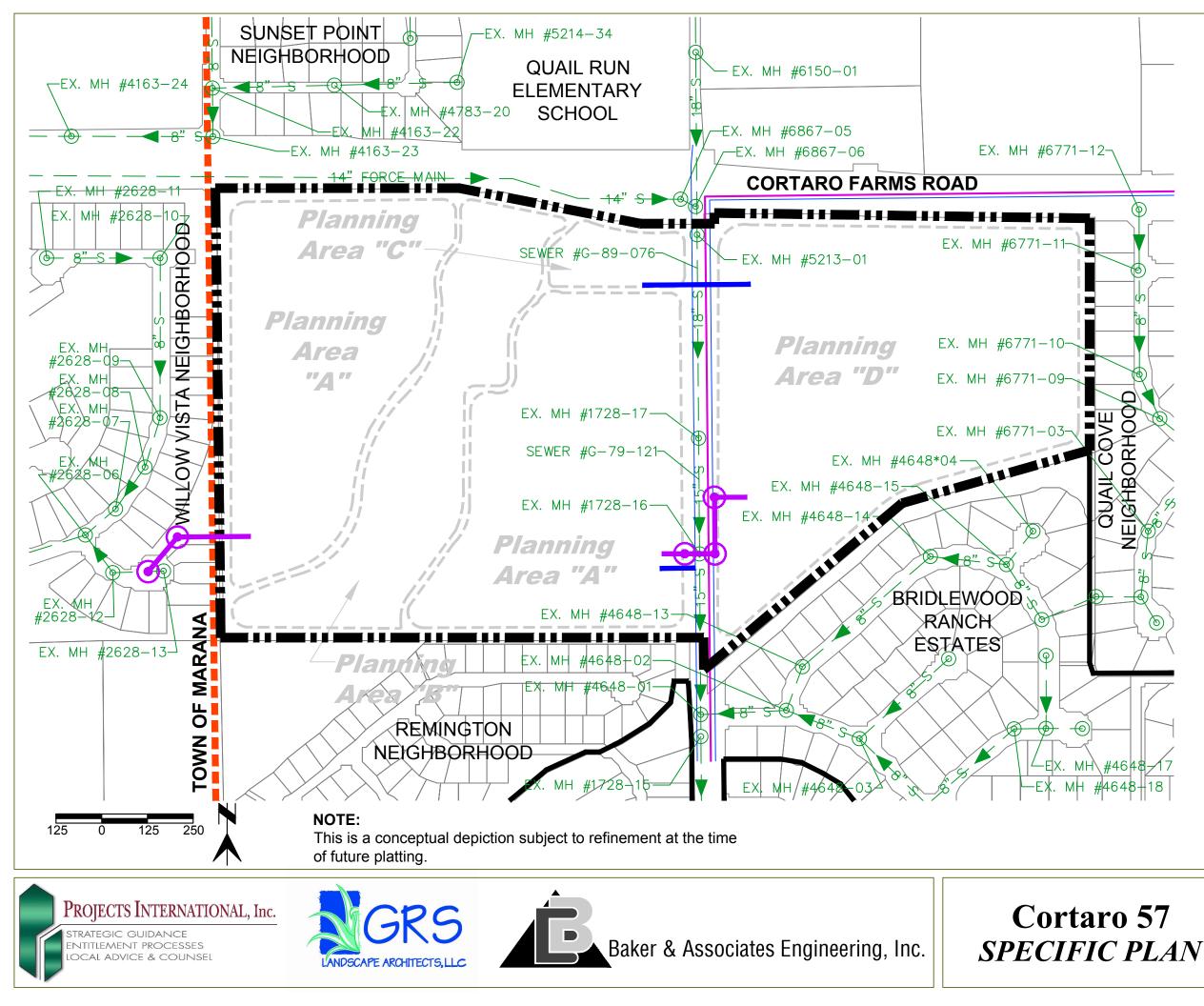
Implementing the above requires the following modification to Chapter 18.72: 1) Footnote Nos. 1, 2 & 4 beneath Table 18.72.090-1 are hereby eliminated.

II.F Proposed Utility Infrastructure

From a utility standpoint, this Specific Plan represents the quintessential infill project. Extensive utility infrastructure sufficient to serve the entire Specific Plan already exists proximate to the Property, much of which is located within the Cortaro Farms Road right-of-way and the future right-of-way dedication for the Camino de Oeste extension. Exhibit II.11 depicts the points of connection for the Project's public sewers and potable water.

II.F.1 Public Sewer System Connections

The Specific Plan will be served by two separate existing 8" public sewer lines, both of which are maintained by the Pima County Regional Wastewater Reclamation District (RWRD):







⊙⊲ -8" - S-

Boundary of Subject Specific Plan

Existing Pima County / RWRD Public Sewer, Flow Direction, Manhole Number & Line Size

Proposed point of connection to existing public sewer

Existing Tucson Water Public Reclaimed Water Line

Existing Tucson Water Public Water Line

Proposed point of connection to existing potable water line

PROPOSED CONNECTIONS TO PUBLIC SEWERS & WATER MAINS Exhibit II.11

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- 1. The western portion of Planning Area "A" (residential) will drain by gravity to the south/ southwest and ultimately connect to the existing public sewer No. G-2015-067 beneath Willow Wind Place in the adjacent Willow Vista neighborhood. Although this subdivision lies within the Town of Marana, its sewers are RWRD's and its common areas are dedicated as easement areas for all utilities, including public sewers. A short off-site public sewer extension shall be required from the west boundary of the Specific Plan across the Willow Vista common area to the aforementioned manhole in Willow Wind Place.
- The eastern portion of Planning Area "A", Planning Area "C", and Planning Area "D" (residential) will drain by gravity and ultimately connect to the existing public Sewer No. G-79-121/G-89-076 located within the future right-of-way of the Camino de Oeste extension.

Both of the above existing sewer lines have system capacity to accommodate the build-out of the Specific Plan project.

II.F.2 Public Potable Water System Connections

The entire Specific Plan property will ultimately be served by Tucson Water (TW). The qualifier "ultimately" is used because TW's granting of service will occur in stages. A will-serve letter has already been obtained for the acreage east of Camino de Oeste (Planning Area "D") and is provided in Appendix D.

Tucson Water has clear criteria for the acceptance of properties into their system, two of which require: 1) that their existing franchise area mapping shows a property as abutting their service area on a minimum of three (3) sides; and 2) that a newly added parcel be no more than twenty (20) acres in size. Through a series of steps and service-area mapping updates, the entire Specific Plan will ultimately be brought into the TW service area and a series of individual will-serve letters will be incrementally issued by the provider. The owner/developer is currently engaged in this sequential process.

II.F.3 Dry Utilities Masterplan

All dry utilities are all project-convenient to the Specific Plan and are easily extended to service it:

- Tucson Electric Power (TEP) has an existing facilities in Cortaro Farms Road and in all of the existing surrounding neighborhoods.
- Southwest Gas Corporation has high pressure natural gas line in Cortaro Farms Road; gas service also exists in the adjacent residential neighborhoods.
- Cable television and telecommunications infrastructure surrounds the property.

II.F.4 Phasing of Utility Infrastructure, Upgrades, Augmentations

It is anticipated that residential development will commence with Planning Area "D" and proceed from east to west across the Specific Plan. This approach plays off of the extension of Camino de Oeste to Cortaro Farms Road, which will be completed at the onset of project

construction. Residential development will conclude with Planning Area "A". Planning Area "C" (neighborhood commercial/retail) will occur somewhere along that continuum based solely on market demand. Attendant utility infrastructure will be sequentially constructed per the above development program.

II.F.5 Maintenance Responsibilities for Utility Infrastructure

Potable water will be owned, operated and maintained by Tucson Water. Public sewers will be owned, operated and maintained by RWRD. Dry utilities will be owned, operated and maintained by their respective service providers.

II.G Conservation Measures & Considerations

II.G.1 Conservation/Sustainability Standards

The Specific Plan promotes a variety of conservation and sustainability principles. These are discussed individually below.



Exhibit II.12: Energy & Water Conservation Measures

a. Residential Structures & Neighborhood Features

Sustainable, energy-conscious design and alternative power generation appurtenances are allowed, such as cool roofs, solar panels, and roof decks (these shall be considered exclusive of building height). Neighborhood wide conservation standards will be accomplished via low water use plants, efficient "smart" irrigation systems, and rainwater harvesting.

From the neighborhood design perspective, residential neighborhoods will feature the following characteristics that promote overall sustainability:

- Single-family housing options that include clusters of smaller and pocketed lots that provide for significantly increased densities and for the associated superior efficiency in the overall use of land.
- From the perspective of energy efficiency, application of the HERS (Home Energy Rating System) index is encouraged to determine a specific energy score for each model home. These HERS scores are then compared to the annual energy costs of more conventional or average homes in the market, thereby affording the buyer a detailed estimated utility cost.
- An array of housing choices and design options for consumers, thereby fostering increased visual variety, aesthetics, and individuality, all of which contribute to enhanced social fabric and neighborhood aesthetics.
- Avoiding uniformity in both design and the spatial placement of residential units on individual lots. This creates a streetscape with greater variety and with unique and varying negative spaces in each front yard, providing the homeowner with opportunities for more individualized landscaping and front yard amenities.

From the water conservation perspective, the following are relevant:

- Native or regionally adapted plants will comprise the overall landscape palette, stressing low water use specimens in suitable locations to achieve significant water conservation. The overall palette will focus on zoning appropriate plants and longterm durability and viability of the entire planting mix.
- A low water use irrigation system will be utilized for all landscape areas. The system will incorporate an automatic smart controller, flow sensing valves, rain shut-off capability, and will also be metered separately to monitor water usage throughout the various Planning Areas. The system will include an enviro-transpiration module to enhance its ability to connect with local weather stations and thereby automatically adjust for seasonal weather changes. The use of a smart irrigation system will provide superior performance to maximize water conservation.
- Rainwater harvesting techniques will be implemented where feasible to supplement the irrigated and non-irrigated landscape areas. Passive water harvesting features will include curb cuts, flush curbs, recessed planting areas, minimized compaction of planting areas, and pervious/semi-pervious pavers.
 - b. Overall Site Improvements & Amenities

The Specific Plan will encourage walkable neighborhoods and pedestrian/bike connectivity to adjacent public arterial streets. The integration of neighborhood pedestrian routes, nature trails, concrete sidewalks, bicycle ways and mini-parks will activate the community and encourage social interaction and recreational pursuits. This serves to maximize the active and passive spaces within each neighborhood, while leveraging the potential for meaningful connectivity to outlying public preserves and recreational opportunities in the surrounding region.

Specific heat island mitigation measures will include a combination of strategies. The preserved natural floodplain corridor (Planning Area "B") will provide a significant heat island mitigating element for the entire project. In addition, new neighborhood parks and landscaped common areas, perimeter landscape buffers, and revegetated detention/ retention basins and drainage channels will provide cooler green components. Walkways, pathways and inorganic ground-covering landscape materials will be limited to lighter colors so as to minimize heat absorption and maintain comfortable pedestrian surfaces.

II.G.3 Self-Certification of Conservation & Sustainability Measures

Concurrent and included with the submittal of future subdivision plats and site development package (SDP's) to the Pima County Development Services Department (DSD), or with the submittal of architectural plans to PDSD for building permits, the owner/ developer (or their appropriate design professional) shall submit a letter detailing the particular measures employed in final design to:

- promote the above Conservation and Heat Island Measures described above in Sections II.G.1 and II.G.2
- 2) explain how the plat or development plan contributes towards the above sustainability principles outlined in this document.

The self-certification letter(s) accompanying a future tentative subdivision plat or SDP submittals to DSD shall describe the particular measures employed, and the results attained (quantifying same, where possible), toward furthering the following:

- 1) the landscape-related Potable Water Conservation Standards found in Section II.G.1; and
- 2) applicable Heat Island Considerations & Mitigation Measures per Section II.G.2

The self-certification letter(s) accompanying future architectural plan submittals to PDSD for building permits shall describe the particular measures being employed to further the building-related energy efficiency provisions found in Section II.G.1.a.

II.H Architectural Standards and Design Guidelines

The Specific Plan will have a unified image and identity through the use of defined theming principles and a consistent vocabulary in color, materials, and form. The residential and neighborhood-commercial components will be designed and constructed as an integrated whole, both functionally and aesthetically, so as to achieve the unique project identity alluded to earlier in this document and to provide a further contribution to high-quality residential and mixed-used development within the Cortaro Farms Road corridor.

II.H.1 Residential Architectural Design Concept & Building Elevations

Residences within the Specific Plan will provide a clean, indigenous architectural style and feature a variety of house elevations and color & material schemes. Specific aesthetic



ARCHITECTURE DESIGN INTENT Exhibit II.13

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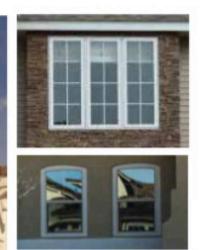
1. Gable End Trim Details



2. Gable End Window Detail with Corbels



4. Window Casing Detail







3. Shuttered Window



6. Decorative Garage Door



9. Masonry Elements



7. Roof Material









8. Entry Courtyard/Portches

MENU OF RESIDENTIAL ARCHITECTURAL FEATURES Exhibit II.14





10. Wrought Iron Details

elements may include, but are not limited to, a variety of homestyles within a single streetscape, varying front yard setbacks, recessed garages, side-loaded garages, courtyards, and covered terraces. Enhanced elevations will be achieved through the use of pop-outs, cornices, window treatments, porches, varying roofing materials and landscaping. Alternative accent materials will be used for posts and columns and will include stone, brick, tile or wood depending on buyer preferences.

While home designs naturally evolve over time and the examples shown here will be refined in accordance with market preferences, they are provided to demonstrate a certain standard of quality and character that will typify the planned neighborhoods throughout the Project.

In order to ensure a diverse streetscape, a minimum of three (3) architectural features from a Menu of Architectural Features (see Exhibit II.14) will be included in each home. In addition, the following architectural guidelines and design objectives will apply:

- 1) Emphasizing articulated building massing.
- 2) Emphasizing front, side and rear elevations that maintain a high aesthetic quality and which relate strongly to the streetscape and any adjacent open spaces.
- 3) Modifying certain models for street-corner conditions and providing architectural features and elevations for all sides of the residence when directly adjacent to public streets, neighborhood parks and/or open space (whether functional or natural).
- 4) Offer alternative garage configurations, such as recessed or side-loaded arrangements.
- 5) Utilizing authentic materials and accent colors that go beyond traditional muted earth tones so as to reinforce an overall community identity, character, and appeal.

II.H.2 Building Materials & Color Palette

The overall residential architectural and neighborhood theming of the Specific Plan will include five-sided architecture that is a reflection of contemporary Southwest design. The basic objective is to achieve a certain timeless quality that, while contemporary, still reflects Tucson's heritage and personality.

This approach responds to climatic conditions and promotes an architecture that focuses on the qualities of surface treatment, color, light & shadow, massing and building form, and negative space as it relates to the outdoor environment. Fundamental architectural elements will include the effective use of massing, intersecting wall planes, strong accent colors, bold building forms, shade & shadow, and the interplay of light so as to create distinctive homestyles while ensuring pedestrian-scaled spaces.

Residences will break up large masses vertically and horizontally. All two-story structures will incorporate a recognizable base, middle component, and cap through the use of changes in material, architectural accents, other appropriate features. Strongest emphasis will be placed on the pedestrian level through the use of traditional materials, textures and increased building articulation.

Building materials used to further the above will be trendstone CMU, light sandblasted integral color CMU, juicy-joint constructed CMU, stucco, cast-in-place concrete, decorative

hardscape, and complementary amenity packages. To allow for the innovative use of materials and advancements in technology, materials other than those on the above list may be used, in so far as they are consistent with the same basic architectural principles and aesthetics established here.

II.H.3 Architectural Review & Self-Certification

Given the architectural character and detail presented in this Specific Plan document, no separate or subsequent architectural review process is required for the Project. The only protocol that will apply in this regard is the substantial conformance of the ultimate residences and structures with the aesthetics, architectural concept, building elevations, colors, and materials presented herein. The architect of record shall, at the time of submittal for building permits to the Development Services Department (DSD), submit an accompanying sealed letter certifying this substantial conformance and describing how the principles of above Section II.H are furthered.

II.I Interpretation/Modification of Specific Plan Regulations

Section II (Land Use Proposal) of this Specific Plan, together with the particular Land Use Regulations presented Section II.B, have been structured to provide for clear interpretation and application by Pima County in regulating a specialized land use and zoning framework for the Property. In the event that supplemental Specific Plan changes or interpretations become necessary in the future, they shall proceed in accordance with the parameters below.

II.I.1 General Administration & Interpretation Authority

This Specific Plan will not result in the modification or change of any existing Pima County adopted building code or other ordinances, except those portions of the Zoning Code that may be superseded by this document, particularly within Section II.B.2 (Development Standards) and II.E (Proposed Landscape Treatment and Native Plant Program).

The Specific Plan shall be generally administered under the authority of the Pima County Planning Official and the Pima County Chief Zoning Inspector within the Development Services Department (DSD). Whenever a conflict arises between this Specific Plan and the Zoning Code, the Specific Plan shall control. When the Specific Plan does not specifically address a particular topic, the Zoning Code shall control.

II.I.2 Amendments to the Specific Plan

The Planning Official or Chief Zoning Inspector may administratively approve minor changes to land use and to the specialized land use regulations and development standards set forth in this Specific Plan, provided such changes are not in conflict with the overall intent, goals and objectives of the Project as presented herein.

a. Criteria for Minor Amendments & Associated Process

The following shall be considered minor changes that fall within the administrative purview of the Pima County Planning Official or Chief Zoning Inspector:

- Addition of new information to the Specific Plan, maps, or text that do not materially alter the effect of any regulation, development standard, or guideline herein.
- Changes to the public or private infrastructure as presented herein as necessary to properly serve the Project and which do not significantly increase the development capacity of the Project nor alter the guiding goals and objectives of same.
- The addition of permitted uses that may not be specifically listed in Sections II.A.1 and II.B.2 of this document, but which are determined to be sufficiently similar in type and nature to those explicitly listed as permitted and which are judged to be compatible with the Property's surrounding developed context.
- Adjustments to the Development Standards in Sections II.B.2 of this document that are not harmful to the interests of the larger community or to adjacent neighborhoods, or which are not explicitly stated in the Specific Plan, but which are consistent with the guiding goals and objectives of the project and which do not create any public health or safety issues.
- Modifications to Section II.G (Conservation Measures & Considerations) or Section II.H (Architectural Standards & Design Guidelines) which do not diverge materially from the guiding principles outlined in those enumerated Sections.
- Adjustments to any aspect of Section II of this Specific Plan that is required in order to comply with changes in local, state or federal safety and/or health codes.
 - b. Criteria for Major Amendments & Associated Process

Major amendments to the Specific Plan shall be only those changes or modifications that materially alter the guiding goals and objectives of this Specific Plan, or which represent an increase in density or land use intensity that exceeds that outlined herein, or which are found to be unsupported by the principles as originally written in the document. The Pima County Planning Official will determine if a proposed amendment would result in a substantial change per the criteria established in Zoning Code Section 18.91 (Rezoning Procedures). Major amendments to the Specific Plan shall be processed in accordance with the procedures outlined in same Section 18.91.

Section III : Site Analysis

III.A Land Uses and Existing Zoning

1. Site Location and Regional Context

The subject Specific Plan property is four (4) contiguous parcels within the SE ¼ of Section 25, T12S, R12E and the SW ¼ of Section 30, T12S, R13E, being more particularly located on the south side of Cortaro Farms Road, approximately one (1) mile west of Thornydale Road. The site is comprised of Assessors Parcel Nos. 221-16-029D, 221-16-029E, 225-33-059M & 225-33-059R, which are under the ownership of three (3) different entities. It totals 57.6 acres in gross area.

The Property sits within an already urbanized context. Cortaro Farms Road is a major east-west transportation corridor and a designated major & scenic route on the County's Major Streets & Routes Plan (MSRP). The Camino de Oeste alignment bisects the property. An eighty foot (80') public right-of-way will be dedicated with the Project to accommodate this MSRP-designated collector street.

2. Existing On-Site Land Uses

The site is vacant. Large areas of it have been graded and cleared of vegetation to install public sewer and water lines within the aforementioned Camino de Oeste alignment. There is also significant evidence of vandalism, illegal dumping, native plant theft, and homeless occupation. The remainder of the site is natural desert. See Exhibit III.1 and III.2 for additional site information and site context.

3. Existing Easements or Encumbrances

A number of easements exist on the property. The location and details of same are provided on Exhibit III.3. None of these easements hinder development of the property as intended and all will be accommodated without alteration. The majority of these easements lie within the aforementioned future eighty foot (80') public right-of-way dedication for Camino de Oeste.

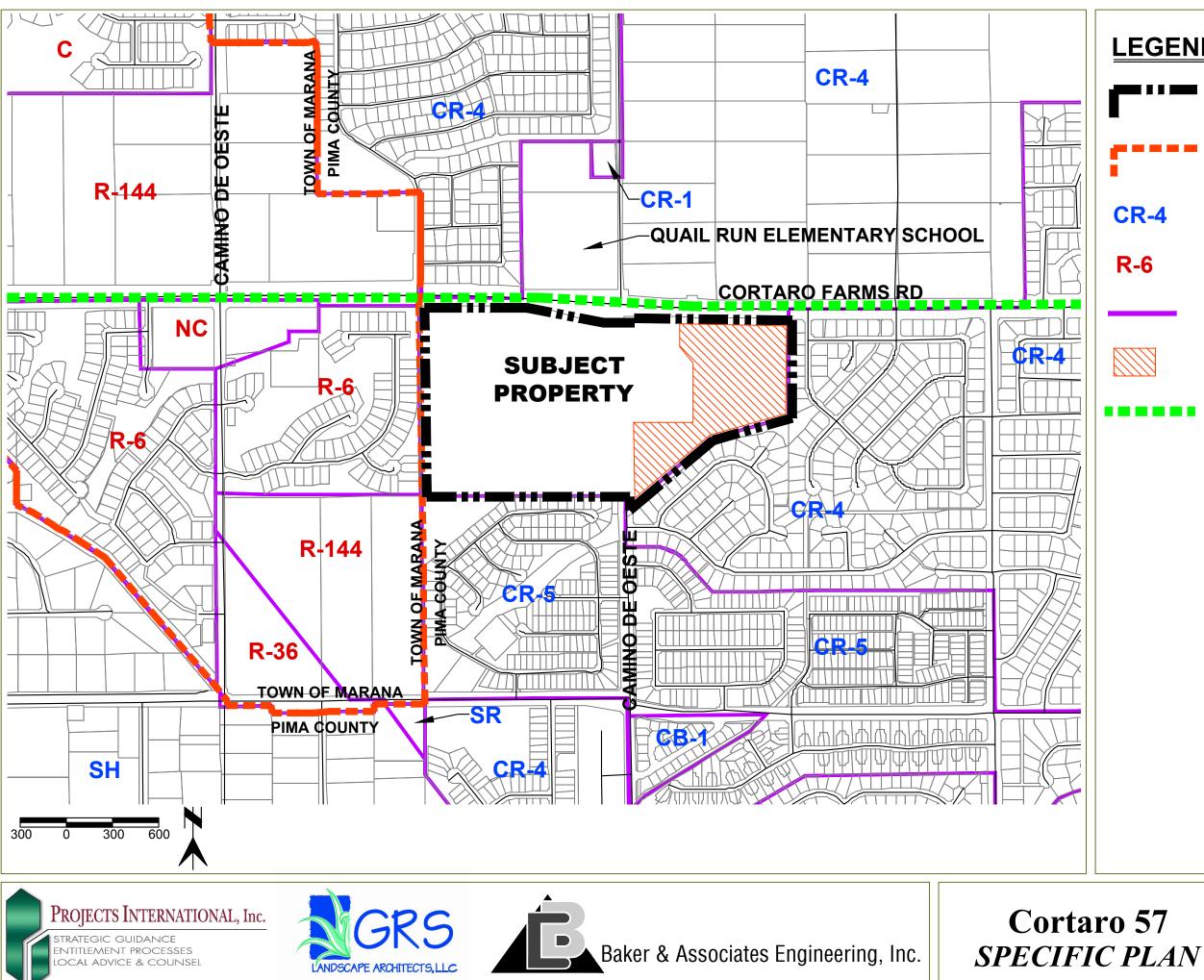
4. Comprehensive Plan Designations On-Site & Surrounding

The Specific Plan site is a combination of MIU (Medium Intensity Urban) and Low Intensity Urban (LIU) 0.3. The majority of the surrounding properties are designated MIU, with some to the northeast (across Cortaro Farms Road) being LIU 0.3:

To the North:	MIU & LIU 0.3
To the South:	MIU
To the East:	MIU
To the West:	Town of Marana R-6 Zoning (Existing Subdivision)

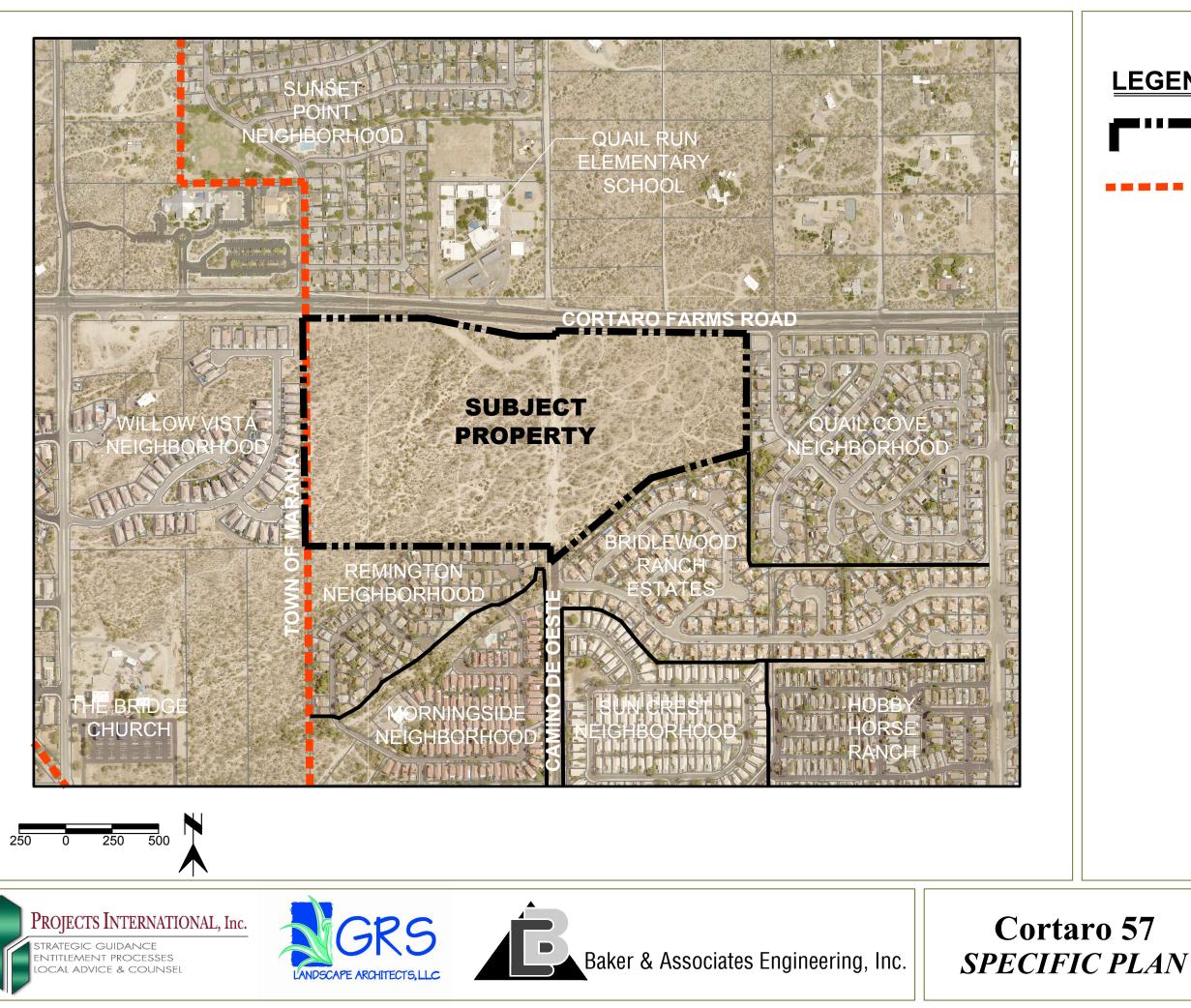
One (1) Rezoning Policy (RP-120) applies to the eastern fifteen (15) acres of the Property; refer to Exhibit III.1 for location of same. This Rezoning Policy is discussed in detail in Section I.C.2 of this Specific Plan document.

No (0) Special-Area Policies apply to the site.



LEGEND

	Boundary of Subject Comprehensive Plan Amendment Request
	Town/County Limits
R-4	Existing Pima County Zoning, typ.
6	Existing Town of Marana Zoning, typ.
	Zoning Boundaries
\square	Rezoning Policy RP-120
	Designated Scenic Route



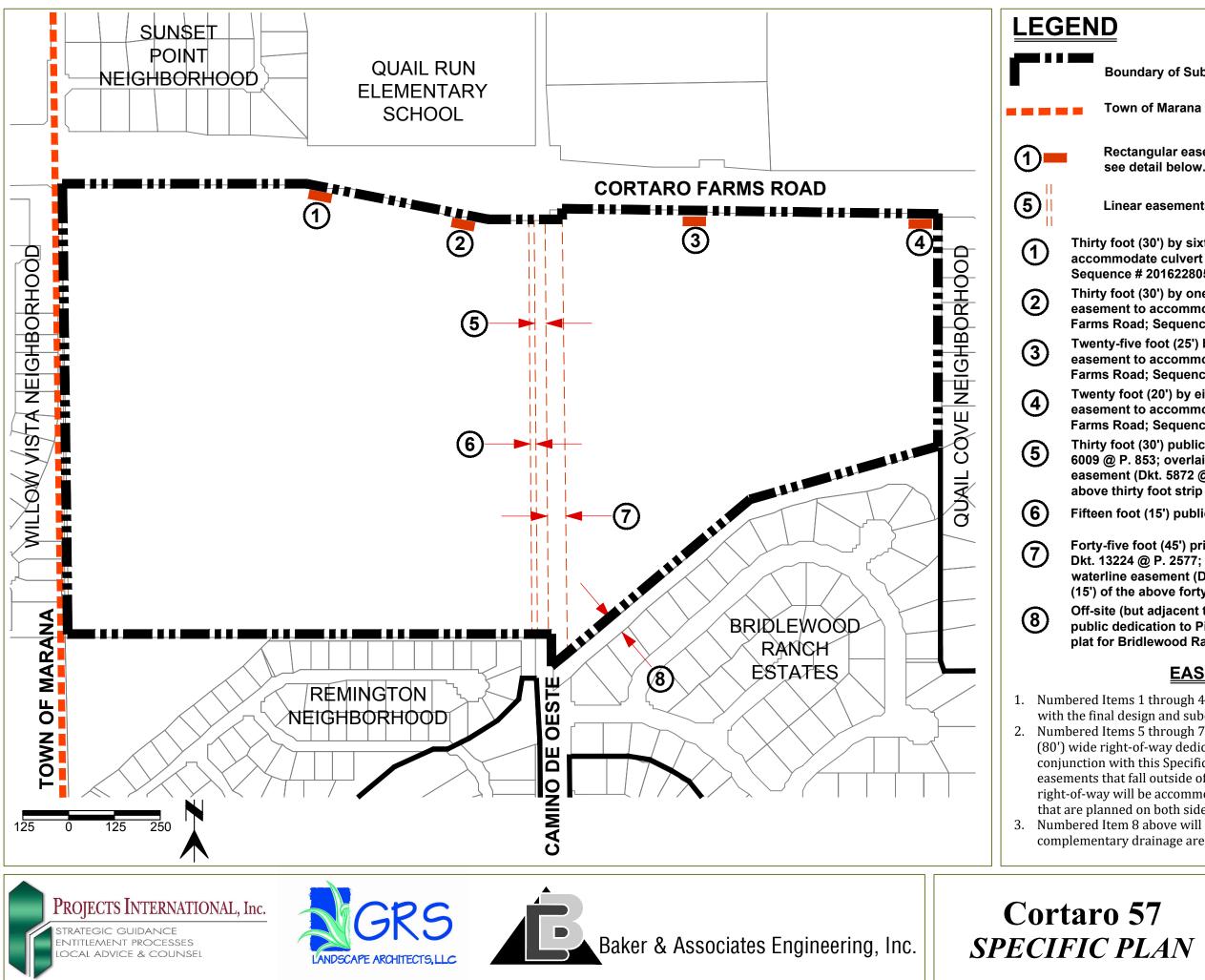
LEGEND

Boundary of Subject Specific Plan Request

Town of Marana Boundary

SURROUNDING CONTEXT

Exhibit III.2



Boundary of Subject Specific Plan

Town of Marana Boundary

Rectangular easements of various dimensions; see detail below.

Linear easements; see detail below.

Thirty foot (30') by sixty-five (65') public drainage easement to accommodate culvert outlets beneath Cortaro Farms Road; Sequence # 20162280558

Thirty foot (30') by one hundred six foot (106') public drainage easement to accommodate culvert outlets beneath Cortaro Farms Road; Sequence # 20162280558

Twenty-five foot (25') by eighty-five foot (85') public drainage easement to accommodate culvert outlets beneath Cortaro Farms Road; Sequence # 20162140520

Twenty foot (20') by eighty-five foot (85') public drainage easement to accommodate culvert outlets beneath Cortaro Farms Road; Sequence # 20162140520

Thirty foot (30') public sewer easement, Dkt. 5192 @ P. 95 & Dkt. 6009 @ P. 853; overlaid with a ten foot (10') wide communications easement (Dkt. 5872 @ P. 143) over the western ten feet (10') of the

Fifteen foot (15') public waterline easement; Dkt. 7979 @ P. 1471

Forty-five foot (45') private ingress / egress and utility easement, Dkt. 13224 @ P. 2577; overlaid with a fifteen foot (15') public waterline easement (Dkt. 8509 @ P. 519) over the western fifteen feet (15') of the above forty-five foot wide strip

Off-site (but adjacent to) this Specific Plan: twenty-two foot (22') wide public dedication to Pima County, for drainage purposes, by the final plat for Bridlewood Ranch Estates (Bk. 39 @ P. 30 of Maps & Plats)

EASEMENT NOTES

1. Numbered Items 1 through 4 above will remain in place and accommodated with the final design and subdivision platting of this Specific Plan.

2. Numbered Items 5 through 7 above fall almost entirely within the eighty foot (80') wide right-of-way dedication for Camino de Oeste that will be made in conjunction with this Specific Plan. Those small (5' wide) portions of these easements that fall outside of the eighty foot (80') Camino de Oeste

right-of-way will be accommodated within twenty foot (20') landscape buffers that are planned on both sides of this new public street.

3. Numbered Item 8 above will be expanded on-site and mirrored with a complementary drainage area and north channel bank by this Specific Plan.

EXISTING EASEMENTS

5. Surrounding Land Uses

Refer to Exhibit III.2 for an aerial photo depiction of site context. The properties surrounding the subject site are as follows:

To the North:	Developed Residential Subdivision zoned CR-4, Quail Run Elementary School, Unsubdivided Residential Properties zoned SR
To the South:	Developed Residential Subdivisions zoned CR-4, CR-5
To the East:	Developed Residential Subdivision zoned CR-4
To the West:	Developed Residential Subdivision zoned Town of Marana R-6

6. Pending Rezonings, Plats & Development Plans

The surrounding area is characterized largely by recorded plats and developed residential subdivisions, together with unsubdivided residential properties.

The only pending project anywhere in the vicinity lies one-quarter (1/4) mile to the south, at the southeast corner of Magee Road and Camino de Oeste. This property is platted for single-family residences as "Oeste Lomas" per Bk. 62 @ Pg. 38 of Maps & Plats, but to date has never been constructed. No timetable for its development is known.

III.B. Topography

1. Topographic Characteristics

The Specific Plan site is comprised of several shallow parallel ridges and is characterized by a gentle downward slope from the north/northeast to the south/southwest. There is one (1) regulatory floodplain with a well-defined wash that traverses the westernmost portion of the Property. See Exhibit III.4 for existing-conditions topography.

a. Restricted Peaks & Ridges

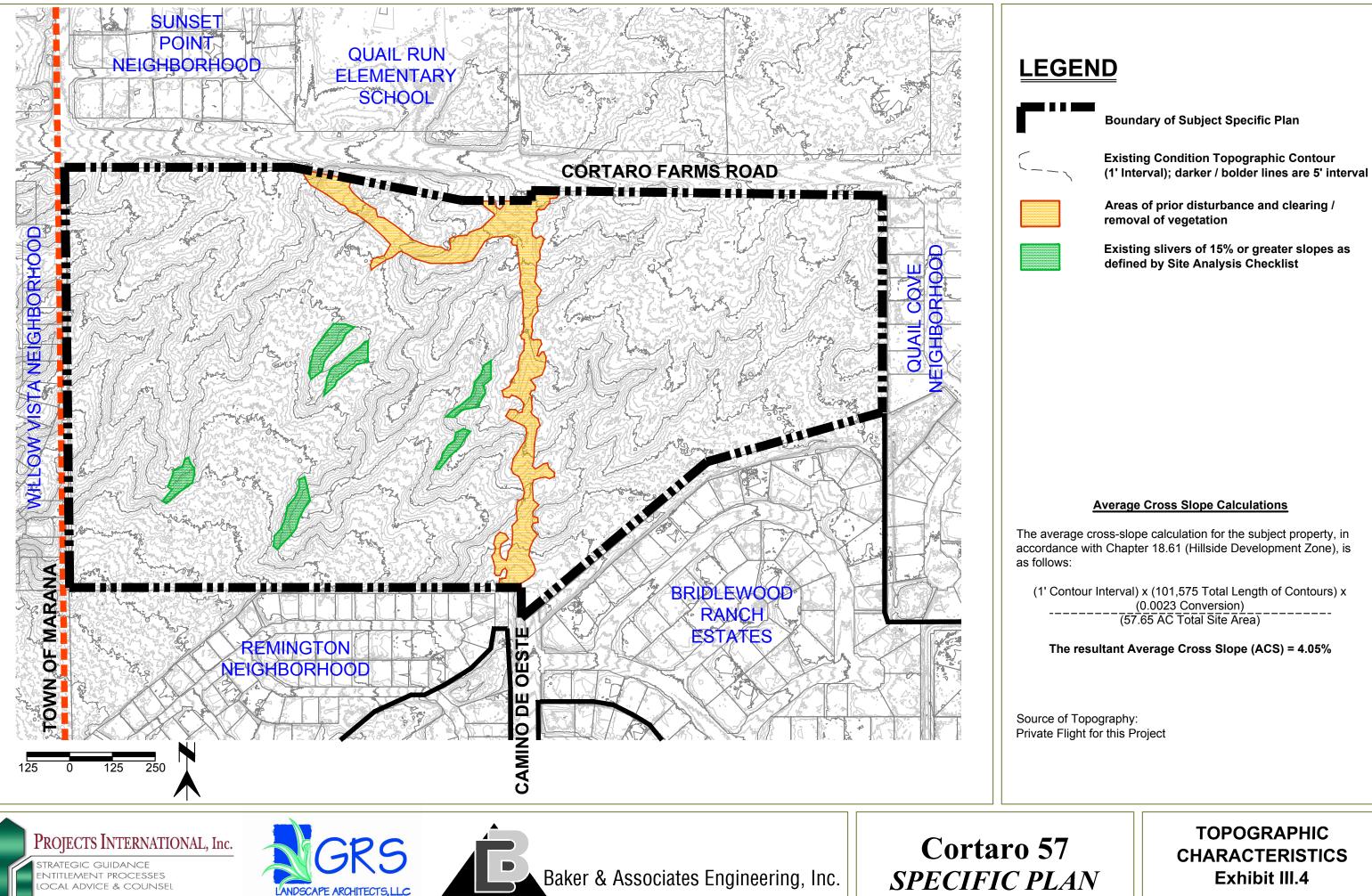
There are no restricted peaks or ridges on the property.

b. Rock Outcroppings, etc.

There are no rock outcroppings, etc. on the subject property.

c. Slope of 15% or Greater

The rezoning site contains some slopes of 15% or greater; these have been mapped on Exhibit III.4. With this being the case, the property is technically subject to the Hillside Development Overlay Zone (HDZ) ordinance (Sec. 18.61).



(1' Contour Interval) x (101,575 Total Length of Contours) x

The resultant Average Cross Slope (ACS) = 4.05%

TOPOGRAPHIC CHARACTERISTICS Given that: 1) the aforementioned 15% slopes on this particular site are non-contiguous slivers rather than of any material size; 2) a large portion of them fall within a floodplain corridor that will be preserved as natural area with this Project; 3) all are unremarkable and possess no special aesthetic or habitat value; and 4) the overall Site's average cross-slope is a meager 4.05%, this Specific Plan incorporates, by this reference, a modification of the normal grading limitations enumerated in Grading Requirements Table 18.61.054-1 so as to allow Planning Area "A" of this Specific Plan to be 100% mass graded and developed as intended, without the need for a separate application and/or approval by the Design Review Committee (DRC).

d. Other Significant Topographic Features

There are no other significant or remarkable topographic features on the property.

e. Existing Grading and/or Ground Disturbance

The site is a combination of natural desert, together with significant prior grading and disturbance for utility lines, evidence of illegal dumping and homeless encampments, and significant theft of native plants. The limits of disturbance are illustrated on Exhibit III.4.

2. PreDevelopment Average CrossSlope

The average cross-slope calculation for the subject property, in accordance with Chapter 18.61 (Hillside Development Zone), is as follows:

(1' Contour Interval) x (101,575' Total Length of Contours) x (0.0023 Conversion Factor)

(57.65 AC Total Site Area Gross Acreage)

The resultant Average Cross Slope (ACS) = 4.05%.

Section III - Site Analysis

III.C Hydrology

The findings of a preliminary drainage assessment of the Specific Plan property are presented below.

1. Off-Site Watersheds & Hydrology

Exhibit III.5 illustrates the off-site watersheds draining into the subject site, along with their respective acreages, points of concentration, and 100-year discharges into the Site. The upstream watersheds are rather limited in size; only one (1) of them produces a regulatory flow. This enters the subject Site via a three (3) 4' x 8' RCBC's beneath Cortaro Farms Road.

2. On-Site Hydrology

The Specific Plan site is largely native desert. Areas of disturbance and clearing exist from the past installation of public water and sewer mains. There is also evidence of illegal dumping, homeless encampments, native plant theft, and illegal dumping. Refer to Exhibit III.6 in support of the following:

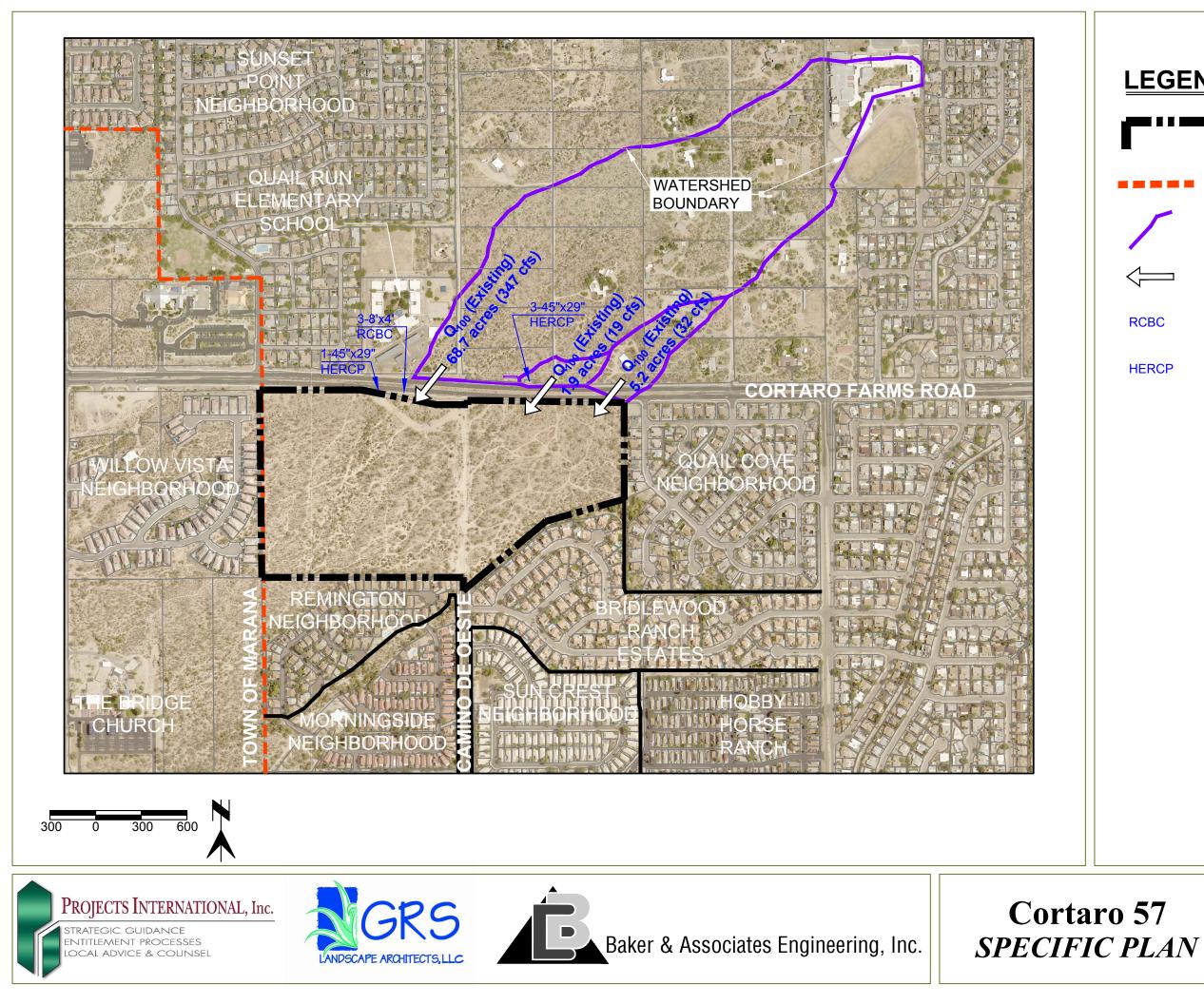
a. Flood Control Resource Areas.

Flood control resources include site topography prepared for this Property, the Pima County Regional Flood Control District website, Pima County MapGuide (GIS), City of Tucson Drainage Manual, and the FEMA Maps website.

Hydrologic Computation Procedures. The Pima County hydrologic computation procedure, as presented within the "PC-HYDRO User Guide" (Arroyo Engineering, March 2007), was used to compute the peak discharges. PC-Hydro, Version 6.1, was used to estimate the flows affecting this site. PC-Hydro is a web-based computer program developed per the Pima County Hydrology Procedures, which uses a Rational Method based algorithm and utilizes rainfall depth information from the intensity-duration-frequency data from NOAA Precipitation Atlas 14 of the Western United States (Volume I, Version 4, NOAA National Weather Service, Silver Spring, Maryland; G. M. Bonnin, et al., 2006). Specific watershed parameters were estimated per the Pima County Hydrology Procedures and based on local topography, recent aerial photography, and field verification.

Hydrologic soil groups (HSG) for the existing and proposed condition drainage areas were determined from the Pima County Mapguide Map, which is a GIS system that includes various digital mapping layers for Pima County, Arizona. Soils information for this report is based off of the NRCS (Natural Resources Conservation Services) line work within Pima County Mapguide Map, effective October 1, 2016.

PC-Hydro computations, similar to the Rational Method, assume that rainfall is uniformly distributed over the entire watershed, uniform rainfall intensity

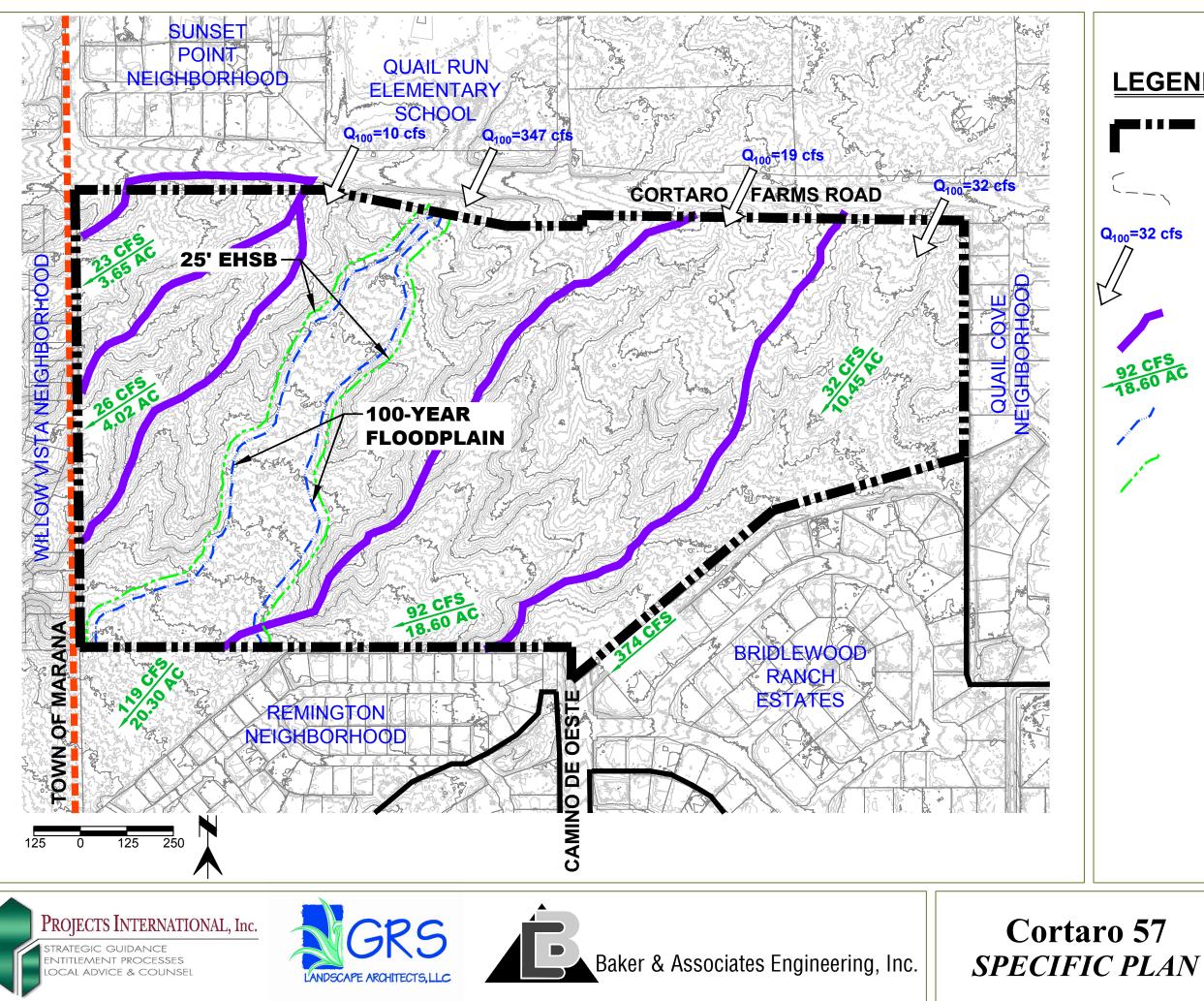


LEGEND

	Boundary of Subject Specific Plan Request
	Town of Marana Boundary
1	Off-site Watershed boundary, Typ.
1 	Existing 100-year point of concentration entering property
CBC	Indicates Reinforced Concrete Box Culvert
ERCP	Indicates Horizontal Elliptical Reinforced Concrete Pipe

OFFSITE HYDROLOGY

Exhibit III.5



LEGEND

Boundary of Subject Specific Plan

Existing Condition Topographic Contour (1' Interval); darker / bolder lines are 5' interval

Incoming existing Q₁₀₀ quantities



On-Site Watershed Boundart

Exiting existing Q₁₀₀ quantities

On-Site regulatory floodplains

Existing 25' erosion hazard setbacks

ONSITE HYDROLOGY

Exhibit III.6

occurs with a duration of at least the time of concentration, the peak rate of runoff is proportional to rainfall intensity and rainfall depth averaged over the time period is equal to the time of concentration, the return period of the runoff event is the same as the return period of the precipitation event, and that channel storage is negligible. It is noted that the Pima County Hydrology Procedure as presented in PC-Hydro can be used for watersheds up to 10 square miles, with further notation that it tends to be valid for watersheds with homogenous areas up to 1 square mile (Arroyo Engineering, March 2007).

b. Concentration Points & 100-year Discharges

Multiple on-site watersheds exist on the Property and are delineated on Exhibit III.6 along with their respective acreages and 100-year discharges.

c. FEMA-Designated Floodplains.

The Project area falls within FEMA FIRM Panel 1655, Map Number 04019C1655L, with a revision date of June 16, 2011. As shown on the map and on the Pima County Regional Flood Control GIS FEMA mapping, the project site is within Zone "X" (Unshaded). This category is defined as an area of 0.2% annual chance of flood, areas of 1% annual chance flood with average depths of less than 1 foot, or with drainage areas less than 1 square mile; together with areas protected by levees from 1% annual chance of flood.

d. Regulatory Floodplain Delineations.

One (1) regulatory floodplain traverses the western portion of the Site; it is depicted on Exhibit III.6, along with its associated Erosion Hazard Setbacks (EHS's).

e. Determination of Regulatory Sheet Flood Areas.

No regulatory sheet flood areas affect this site.

f. Lakes, Ponds, Wetlands, etc.

There are no lakes, ponds, wetlands, springs, or other sources of perennial surface water on this site.

g. Erosion Hazard Setbacks (EHS)

A 25' Erosion Hazard Setback (EHS) is associated with the sole regulatory floodplain and is delineated on Exhibit III.6.

h. Pima County Regulated Habitat

There is no Pima County Regulated Riparian Habitat within the project site.

i. Flow Arrows for Non-regulatory Flows

Directional surface-flow arrows are provided on Exhibit III.6.

j. Existing Drainage Easements.

Four (4) rectangular drainage easements exist on this Site along its northern boundary. These were established in conjunction with the recent reconstruction of Cortaro Farms Road and contain rip-rap aprons to accommodate flows entering the site from the public right-of-way. Exhibit III.4 above provides easement locations and details. All of these will be suitably accommodated with the proposed development of the Specific Plan.

k. Existing Drainage Infrastructure.

The only existing drainage infrastructure in place lies off-site of the subject property, per the following:

- The aforementioned three (3) 4' x 8' RCBC's beneath Cortaro Farms Road,
- A 45" x 29" horizontal elliptical concrete reinforced pipe (HERCP), also beneath Cortaro Farms Road, and
- A 22' wide dedication to Pima County along the north boundary of the adjacent Bridlewood Ranch Estates (adjoining the subject Site along its southeast boundary). This 22' dedicated corridor accepts and conveys sheet flow from the subject Property.

3. Hydrology

The subject property is primarily natural desert, together with various areas of disturbance as described above. The existing site drainage is nominal, with only one (1) regulatory floodplain. This floodplain corridor will be accommodated as a natural setaside with the proposed development of this Specific Plan. Refer to Exhibit III.6 for the following:

a. Features of the Watersheds That May be Affected.

Vegetation across the site is composed of desert brush and local cacti, with an approximate cover density of 30%. Soils across the site are comprised of two soil types: 1) Anthony gravelly sandy loam complex soils with 1 - 3 percent slopes, which is classified as hydrologic soil group (HSG) A; and 2) rough broken land-Palos Verdes complex soils with 0-60 percent slopes, which are classified as hydrologic soil group (HSG) C.

Storm runoff enters the subject property from the north along Cortaro Farms Road and exits the Site to the south and southwest. On-site drainage is divided into multiple watersheds, the primary one of which is a regulatory floodplain that exits the site along its southern boundary near its southwest corner. This exiting flow discharges into undisturbed common area within the downstream Remington residential neighborhood, then subsequently enters the County-owned natural property further to the southwest.

Per the Pima County Regional Flood Control District (PCRFCD) Critical Basins within Unincorporated Pima County Map with an effective date of 3/15/2007, the subject property lies within the Tortolita Critical Basin. As such, and as a requirement of the current PCRFCD Design Standards for Stormwater Detention and Retention, new developments must demonstrate appropriate measures to reduce post-development runoff rates to 90% of pre-developed peak discharge rates at the project boundaries for the 2-, 10-, and 100-year storm runoff events.

Per the development program for this Project described in Section II of this Specific Plan document, together with the Framework Plan (Exhibit II.1) and Conceptual Master Drainage Plan (Exhibit II.12) therein, retention/detention basins are proposed for the Project as a method to reduce post-development peak discharge rates per the above Pima County critical-basin design standards. The retention/detention basins will be equipped with storage volume and outlet structures consisting of appropriate weir and/or pipe outlet configurations so as to achieve the appropriately reduced site outfall discharge rates. All basins will also provide first-flush retention.

b. Acreages and 100-year Peak Discharges of Upstream Watersheds.

The boundary of the offsite watersheds contributing rainfall runoff to the subject site and their respective acreages are shown on Exhibit III.5. Offsite watersheds affecting this site parcel extend to the northeast and are relatively small in area.

c. Methodology Used to Determine EHS's.

Per established Pima County hydrology procedures, erosion hazard setbacks (EHS's) extend from the top of bank or edge of regulatory floodplain. The 100-year peak discharge of this particular floodplain requires a twenty-five foot (25') EHS; this has been shown on Exhibit III.6 from the edge of the floodplain.

d. Methodology Used to Determine 100-year Floodplains.

The on-site 100-year floodplain was promulgated per the Pima County Hydro program, version 6.0. for watersheds less than one square mile in area.

III.D Biological Impacts

1. Conservation Lands System

The majority of the Specific Plan site falls within the Maeveen Marie Behan Conservation Lands System (MMBCLS); see Exhibit III.7. Approximately 46.2 acres fall within Multiple Use Management Area (MUMA); approximately 51.1 acres are Special Species Management Area (SSMA). There is no Important Riparian Area (IRA) on the site.

2. Priority Conservation Areas

There are no Critical Landscape Linkages on or near this property.

a. Pima Pineapple Cactus

No portion of the site is designated as Priority Conservation Area (PCA) for the Pima Pineapple Cactus.

b. Needle-Spined Pineapple Cactus

No portion of the site is designated as Priority Conservation Area (PCA) for the Needle-spined Pineapple Cactus.

c. Cactus Ferruginous Pygmy Owl and Burrowing Owl

The entire site is designated as part of Priority Conservation Area PCA-1 for the Cactus Ferruginous Pygmy Owl, as are all of the surrounding developed residential subdivisions.

No portion of the site is designated as Priority Conservation Area (PCA) for the Western Burrowing Owl.

3. Saguaro and Ironwoods Inventory

The subject Specific Plan property has already been field surveyed for Saguaro Cactus (Carnegia gigantea) and Ironwood trees (Olneya Tesota). Their numbers preclude clear mapping on a single exhibit. As an alternative, the entire field inventory is included in Appendix C of this Specific Plan.

4. Habitat Protection/Community Open Space

The property is not designated for special habitat protection (other than by the Conservation Lands System) or for open space acquisition by Pima County.



125 0 125 250

NOTE:

This is a conceptual block plat depiction subject to refinement at the time of future platting. All acreages are approximate.

PROJECTS INTERNATIONAL, Inc.

STRATEGIC GUIDANCE ENTITLEMENT PROCESSES LOCAL ADVICE & COUNSEL





Baker & Associates Engineering, Inc.

Cortaro 57 SPECIFIC PLAN

LEGEND



Boundary of Subject Specific Plan

Majority of site falls within the Multiple Use Management Area (MUMA) and Special Species Management Area (SSMA) CLS Designations. (Approximately 51.1 AC)



Multiple Use Management Area (MUMA) and Special Species Management Area (SSMA) (Approx 46.1 AC)



Special Species Management Area (SSMA) only (Approx 51.1 AC)



Important Riparian Area; occurs off-site only. There is none located within the subject Specific Plan.

PIMA COUNTY CONSERVATION LANDS SYSTEM Exhibit III.7

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The subject property is located on the south side of Cortaro Farms Road, approximately one (1) mile west of Thornydale Road. It is bisected by the Camino de Oeste alignment as shown on the adopted Major Streets & Scenic Routes Plan.

1. Preliminary Traffic Study

In lieu of the normal Transportation inventory sections as prescribed by Pima County's adopted Site Analysis Checklist, we have prepared a complete Preliminary Traffic Study to support this Specific Plan; it is provided in Appendix B of this document. The Study addresses both existing conditions, as well as a conservative, worst-case projection of project impacts at full build-out.

2. Existing Public Streets and Distances to Driveways & Intersections

Nearby private driveways and public street intersections in the vicinity of the subject Property have been illustrated on Exhibit III.8 (Adjacent Driveways & Street Intersections).

3. Existing & Planned Transit Routes

Sun Tran has no regular bus routes serving the project site and surrounding vicinity. There are three (3) Sun Shuttle routes and one (1) Express route serving the general area; please refer to Exhibit III.9 (Public Transit). To provide further multi-modal information, Exhibit III.10 (Designated Bicycle Routes) has also been provided.

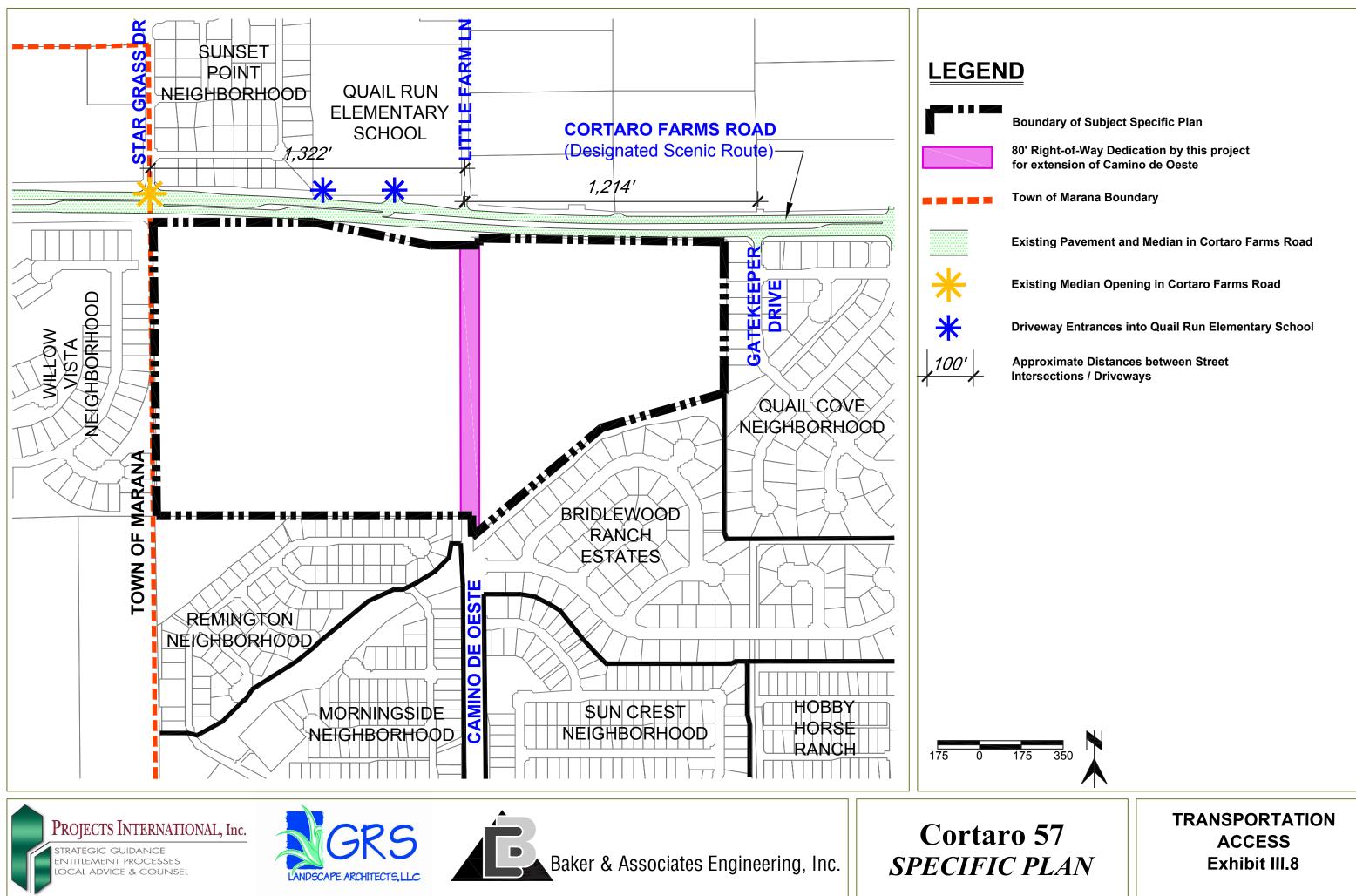
III.F Public Utilities

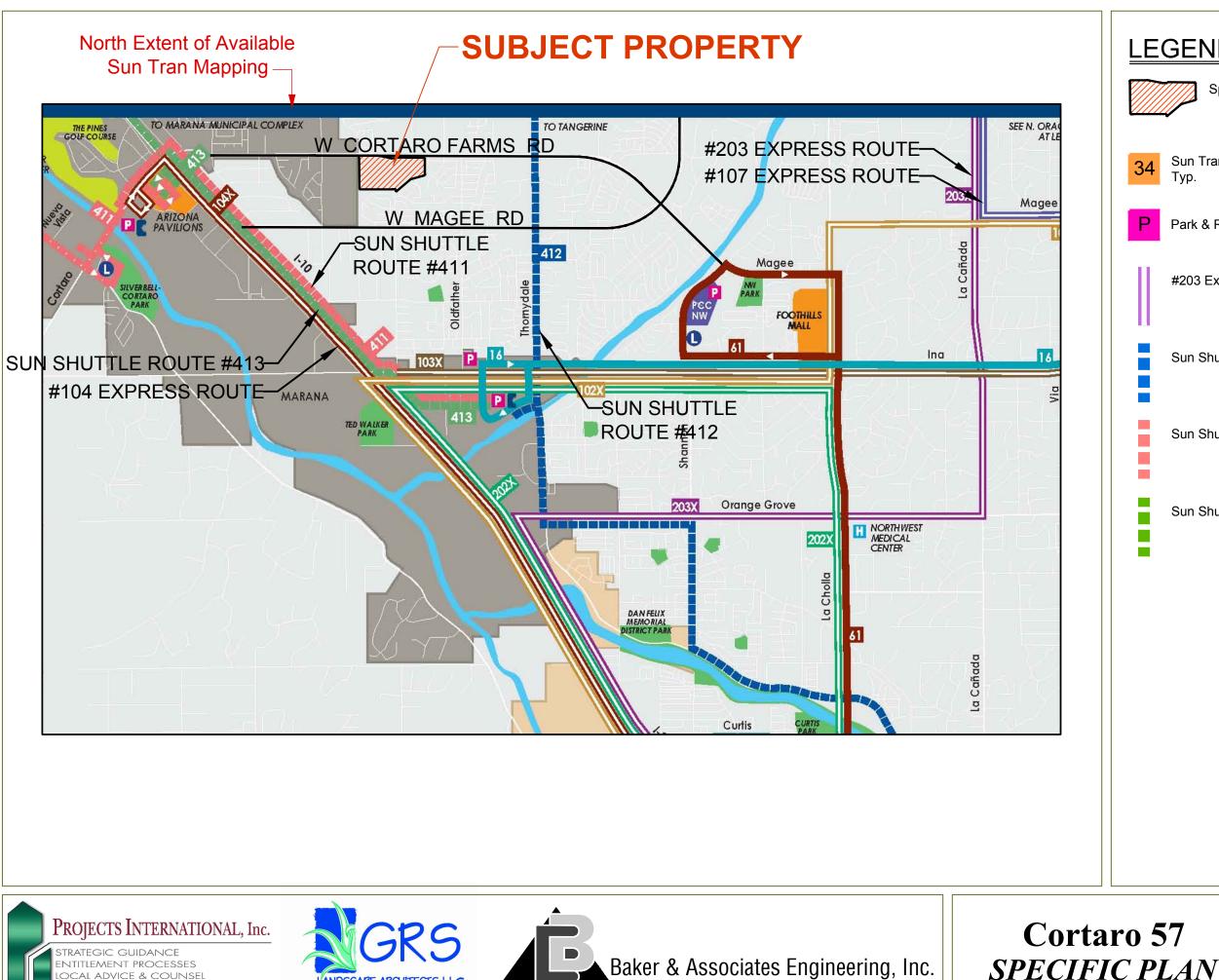
1. Public Sewers

a. Size & Location of Existing Sewers.

An extensive network of existing public sewers is already in place in the immediate vicinity, within the surrounding subdivisions, and through the actual Specific Plan site. Their size and location are depicted on Exhibit III.11.

The majority of the Specific Plan site can be served by Sewer Nos. G-89-076 and G-79-121, both of which bisect the site and lie within that area which will be dedicated by it for the public right-of-way of Camino de Oeste.





L'ANDSCAPE ARCHITECTS.LLC

LEGEND

Specific Subject Property

Sun Tran Route Indicator,

Park & Ride Lot

#203 Express Route

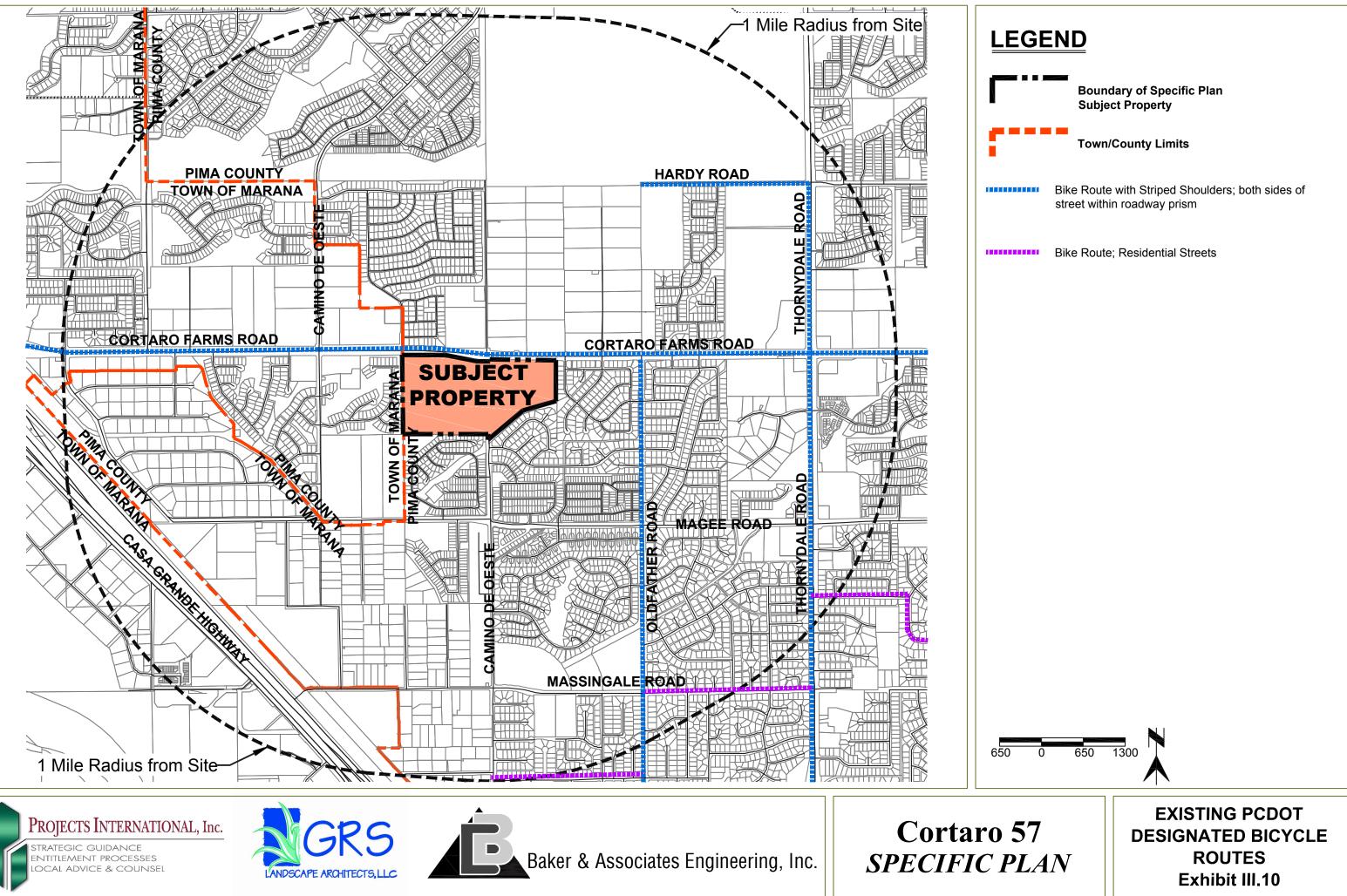
Sun Shuttle Route #412

Sun Shuttle Route #411

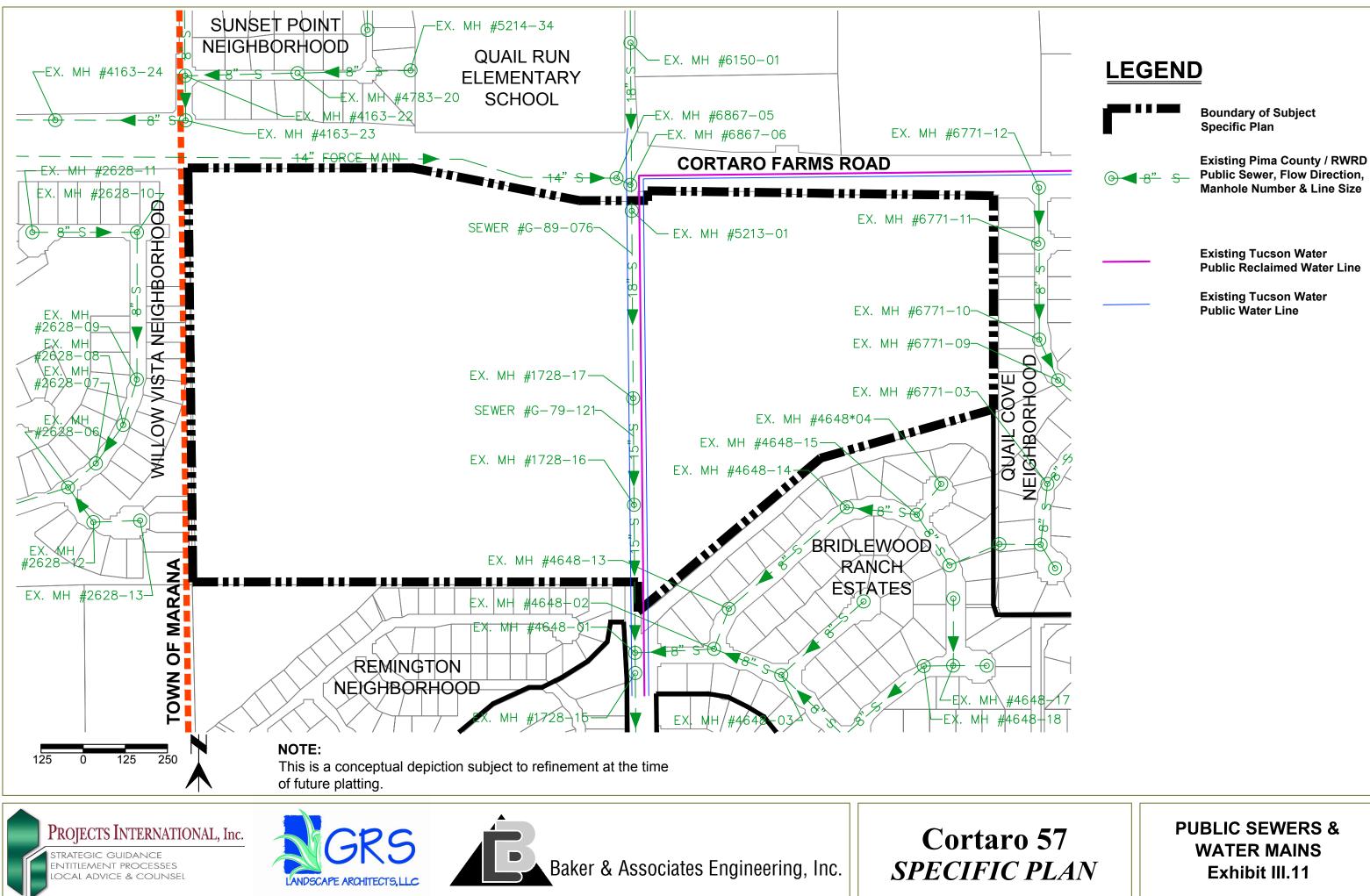
Sun Shuttle Route #413

PUBLIC TRANSIT

Exhibit III.9



Boundary of Specific Plan Subject Property
 Town/County Limits



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The westernmost portion of the Property can be gravity-served by Sewer No. G-2015-067 within the adjacent/off-site Willow Vista residential subdivision. Although located within the Town of Marana, its sewers are RWRD's and its common areas (including its streets) are dedicated as easements for all public utilities. As such, legal access provisions are already in place.

b. Constraints to Gravity Service

There are no constraints to providing gravity sewer service for the Project, nor in connecting its new sewers to the aforementioned public lines. Given the prevailing natural topography of the Property, the entire proposed project will drain southerly and southwesterly to facilitate direct gravity connection.

2. Potable Water

Tucson Water mains are already present within Cortaro Farms Road, adjacent to the Specific Plan site, as well as through the Property itself within than corridor that will be granted as an eighty foot (80') wide public right-of-way for Camino de Oeste (see Exhibit III.11). This framework of public mains will be expanded throughout the Project as development proceeds, in coordination with masterplanning and approval by Tucson Water.

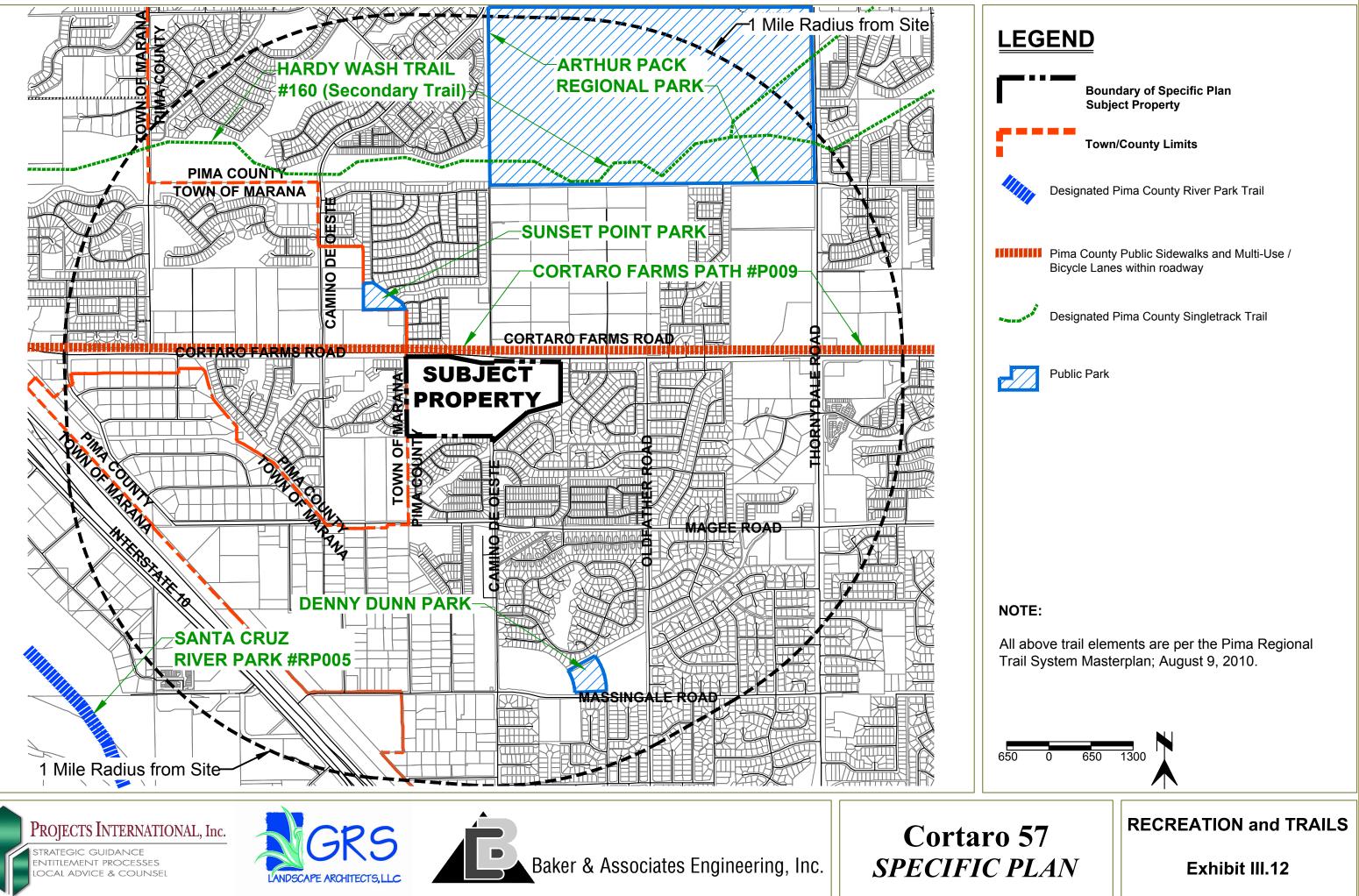
III.G Recreation

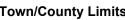
1. Public Parks, Recreation Areas & Trails within One (1) Mile

There is a variety of public recreational sites within the vicinity and the larger outlying region; see Exhibit III.12 for mapping of the various trails and park facilities located within one (1) mile of the rezoning site.

2. Trail Rights-of-Way

Per the current Pima Regional Trail System Masterplan, there are no trails planned along the project's frontages nor within its immediate surroundings. That being said, existing paved bicycle lanes already exist within the Cortaro Farms Road roadway prism. Outlying designated Trails have been illustrated on Exhibit III.12.





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III.H Cultural Resources, Archaeological & Historic Sites

1. Records Check and Letter Report

Two (2) separate Class III Cultural Resources Surveys were completed by Tierra Rightof-Way Services, Ltd. which, collectively, over the entire subject Property. These were completed in March, 2020 and December, 2020, respectively. The Surveys reviewed those existing records in the AZSITE, ASM Archaeological Records Office, and NRHP databases, which include records from the Arizona State Museum (ASM), Arizona State University, the Bureau of Land Management (BLM), and other sources. The Surveys indicate that no archaeological sites, cultural resources, or historic properties are located on the subject Property. The complete Tierra, Ltd. Survey reports are included as Appendix E of this Specific Plan document.

a. Prior Field Surveys

Seven (7) past surveys have been completed within one (1) mile of the subject property, but no prior survey had ever been previously done of the Property itself.

b. Previously Recorded Archaeological or Historic Resources

No archaeological or historic sites of significance were found by the Tierra surveys.

c. Probability of Buried Resources

There is a low probability of buried resources based upon the Surveys.

d. Recommendation as to Future Surveys

No further archaeological surveys of the property are deemed warranted. Routine discovery instructions apply to the owner/developer if future ground modifications reveal subsurface archaeological resources.

2. Survey Titles

"Cultural Resources Class III Survey for the Tri-Church Casitas Project, Pima County, Arizona".

"Cultural Resources Class III Survey of Parcels 221-16-029C and 225-33-059M in Unincorporated Pima County, Arizona".

III.I Composite Map: Site Analysis Findings & Conclusions

1. Description of Major Characteristics

The site is generally unremarkable in terms of landform or other significant special features, while evidencing significant areas of prior impacts, clearing, and general disturbance from illegal dumping, homeless encampments, and native plant theft.

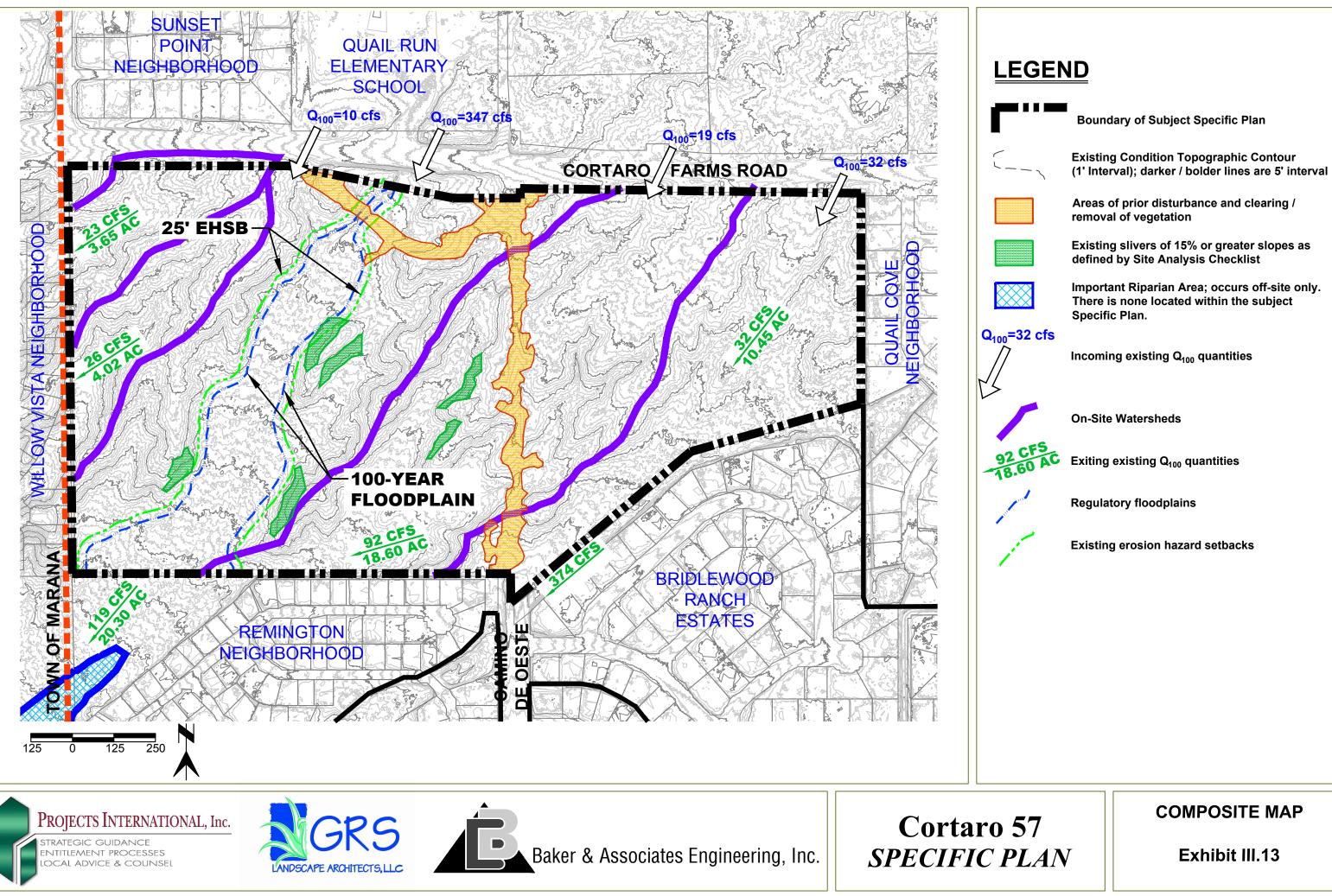
The specific characteristics cited in the Site Analysis Guidelines are respectively illustrated on Exhibit III.13 (Composite Map) as follows:

- 1. Topography. There are no restricted peaks and ridges, rock outcrops, or talus slopes on the property. The existing slivers of slopes of 15% or greater have been depicted on the Composite Map exhibit, along with the 1' contour interval mapping of the site and aforementioned areas of existing disturbance.
- Hydrology. The Composite Map exhibit contains the following identified items from the checklist: (a) 100-year regulatory floodplains traversing the site in the existing condition; (b) erosion hazard setbacks; and (c) concentration points and 100-year volumes entering and leaving the site.

The following items from the checklist are not present on the property and so will not be depicted on the Composite Map: (d) FEMA sheet flood areas; (e) regulated riparian habitat; and (f) lakes, ponds, springs, etc.

3. Biological Resources. The Site contains the following identified items from the checklist: (a) saguaros, mapped and categorized by their appropriate height category; and (b) ironwood trees. These have not been depicted on the Composite Map due to their large number and the unreadability of the Exhibit that would result. Instead, the entire site inventory for these species has been provided in Appendix C of this document.

The following items from the checklist do not exist on the property and so will not be depicted on the Composite Map: (c) pima pineapple cactus; (d) needle-spined pineapple cactus; and (4) areas in which disturbance is prohibited by an adopted Pima County ordinance or policy.



Bibliography

Pima County Department of Transportation, Traffic Engineering Division website for current traffic counts; <u>http://dot.pima.gov/trafeng/trafcnt/adt.htm</u>.

Pima County Department of Transportation, 2016 Subdivision and Development Street Standards (SDSS).

Pima County Major Streets & Scenic Routes Plan. Pima County Ordinance No. 1995-42, as amended. Case No. Co14-79. Web address: <u>http://gis.pima.gov/maps/majscenic/mssr.pdf</u>

Institute of Transportation Engineers (ITE). 2008. Trip Generation, 8th Edition: An ITE Informational Report.

The Smart Growth Network website, Smart Growth Principles, <u>http://www.smargrowth.org/en-gine/index.php/principles</u>

Florida Department of Transportation (FDOT), 2013. Quality/Level of Service (QLOS) Handbook

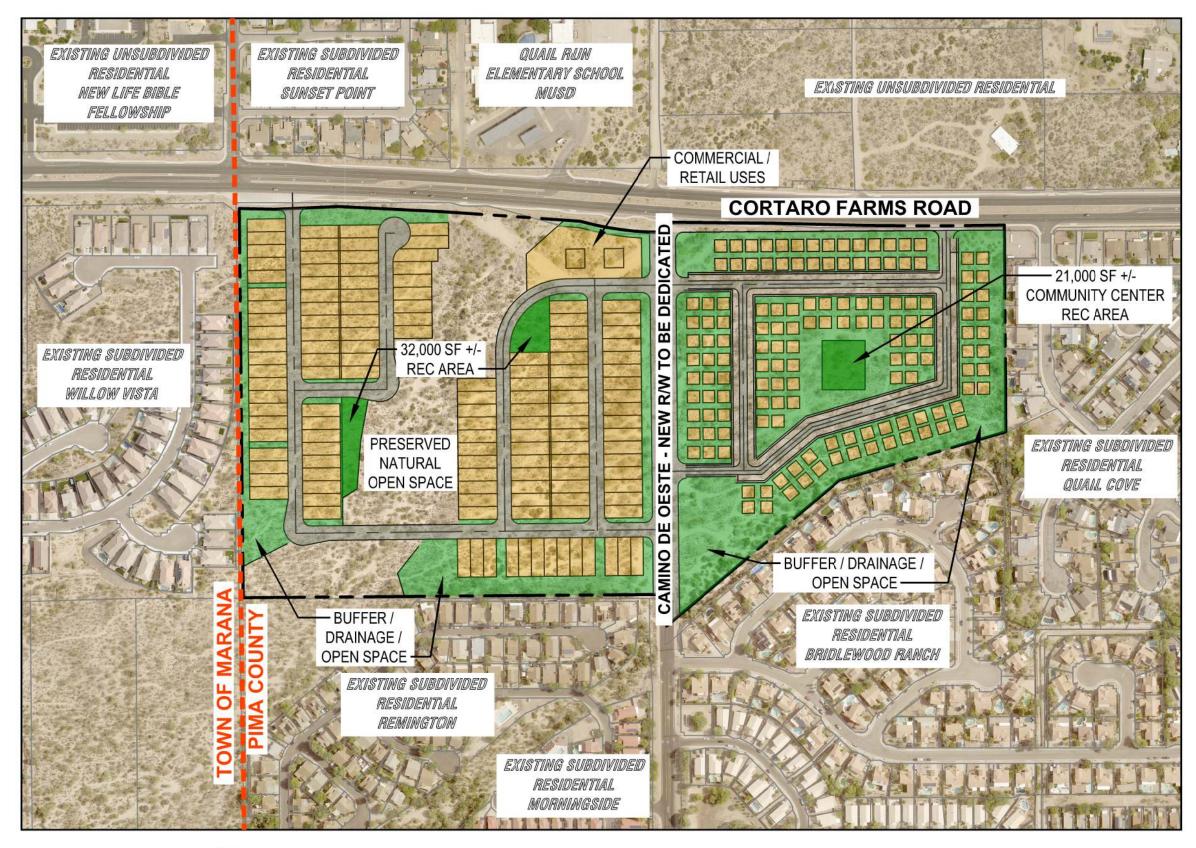
Appendix

Appendix A: Alternative Concept Plans of Potential Build-out Scenarios



150 0 150 300

Conceptual Build-out Schematic All Single-Family Residential Lots



150 0 150 300

Conceptual Build-out Schematic Single-Family Residential West of Camino de Oeste Multi-Family Rental Homes East of Camino de Oeste

Appendix B: Preliminary Traffic Impact Study

Cortaro 57

Preliminary Traffic Study to Accompany the Specific Plan Submittal

Prepared for submittal to:

Pima County, AZ



Engineering, LLC

M Esparza Engineering, LLC 2934 W. Salvia Drive Tucson, AZ 85745

March 30, 2021

Cortaro 57 Preliminary Traffic Study

to Accompany the Specific Plan Submittal

For Submittal to:

Pima County, AZ

Prepared by:

M Esparza Engineering 2934 W. Salvia Drive Tucson, AZ 85745 520-207-3358 ME Eng Project No. 2021.07



Marcos Esparza P.E., Principal

March 30, 2021

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NOTICE- THIS IS NOT A PUBLIC DOMAIN DOCUMENT

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Purpose of Report and Study Objectives

This preliminary traffic study examines the anticipated traffic impacts from the Cortaro 57 Specific Plan. The project area is located south of Cortaro Farms Road and is bisected by the Camino de Oeste alignment south of Cortaro Farms Road. The project is bounded on the west by the Willow Vista residential neighborhood, on the east by Quail Cove residential development, and on the south by Bridlewood Ranch Estates (east of the Camino de Oeste south alignment) and the Country Highland development (west of the Camino de Oeste south alignment) in unincorporated Pima County, Arizona. The preliminary study has been prepared to support the submittal of the Cortaro 57 Specific Plan. The project includes a potential mix of residential uses and a smaller commercial parcel on approximately 57 acres of land. A complete Traffic Impact Study (TIS) will be prepared at the future subdivision platting stage of the project, when the land uses, intensities and site plan are better evolved. The location of this project in the context of the regional transportation system is illustrated in Exhibit 1.

This preliminary traffic study is provided to assess potential impacts in the vicinity of the project, based on the planned uses anticipated in the Specific Plan. This study addresses the impacts at the proposed site access drives and adjacent roadways for the opening year (2023). The project proposes access at three locations on Cortaro Farms Road, as well as at additional access points along an extension of Camino de Oeste.

Executive Summary

Site Location and Study Area

The project is located south of Cortaro Farms Road and is bisected by the Camino de Oeste alignment south of Cortaro Farms Road. The project is bounded on the west by the Willow Vista residential neighborhood, on the east by Quail Cove residential development, and on the south by Bridlewood Ranch Estates (east of the Camino de Oeste south alignment) and the Country Highland development (west of the Camino de Oeste south alignment) in unincorporated Pima County, Arizona. The study area includes site access driveways and the adjacent roadways.

Development Description

The preliminary concept includes up to 235 single family residential lots and a commercial area of about 60,000 total square feet. The residential component could alternatively include a mix of single family and multi-family units. A very preliminary concept plan showing a possible lot layout is provided in Exhibit 2. This layout is illustrative only as a potential development scenario to provide a basis for this preliminary traffic study.

Principal Findings

Using a conservative land use plan assuming a mix of residential types (135 single family lots and 200 multi-family residential units), a coffee shop with drive through window and a medical office building, the total trip generation is estimated to be 4,722 trips per weekday, 505 trips during the AM peak hour and 340 trips during the PM peak hour. About eighty-nine percent of the coffee shop trips are anticipated to be "pass-by trips" which reduces the estimated total trips within the study area network. Traffic volumes will be distributed to the roadway system based on the location of the lots and the expected traffic patterns at the study area intersections.

A turn lane warrant analysis found that eastbound right turn lanes on Cortaro Farms Road may be warranted at two of the project area intersections. Based on a conservative assumption that a coffee shop with drive-through lanes would be in the commercial pad, a right turn lane would be warranted on Cortaro Farms

Road at the commercial driveway (Driveway 2). With the extension of Camino de Oeste to Cortaro Farms Road, the Specific Plan land use trips and the background volumes may warrant an eastbound right turn lane at this new intersection. It is recommended that the extension of Camino de Oeste have a three-lane cross section with one lane in each direction and a continuous left turn lane. This would match the existing section to the south.



Source: Pima County GIS

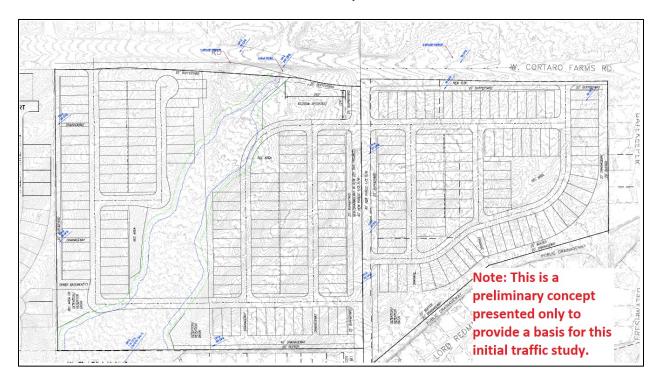


Exhibit 2 Conceptual Site Plan

Conclusions and Recommendations

- 1. This preliminary study addresses a 57-acre residential and commercial development located south of Cortaro Farms Road along the Camino de Oeste (south) alignment. This study is a supporting document to the Cortaro 57 Specific Plan submittal.
- 2. Along the project frontage, Cortaro Farms Road and Camino de Oeste are owned and maintained by Pima County.
- 3. This preliminary study analyzes a mix of single-family residential lots (135) and multi-family units (200) a coffee shop with drive through lanes and a medical office building. when completed. For the purpose of this traffic study, buildout is estimated to be around 2023, although the homebuyer's market will determine actual buildout. This mix was chosen to be a conservative choice, and the future development may likely produce fewer trips if a less intense commercial land use is constructed.
- 4. Access to the project will be from Cortaro Farms Road at four locations, one being an extension of Camino de Oeste from the south to its intersection with Cortaro Farms Road. All access locations on Cortaro Farms Road will be limited to right-in, right-out only due to the raised median on Cortaro Farms Road. There will be three new intersections on the extension of Camino de Oeste providing access to the project uses. These intersections will allow for full access movements.
- 5. The site adjoins existing residential development to the south, west and east.
- 6. The roadways and intersections currently operate at LOS D or better.
- 7. Based on this preliminary and conservative site plan and analysis, the project will generate about 4,722 trips per day, of which 505 will be in the AM peak and 340 in the PM peak. About 89% of the coffee shop trips will be pass-by trips, reducing the number of new trips on the surrounding roadway to about 3,173 net weekday trips, 244 net AM peak hour trips and 276 net PM peak hour trips.

- 8. Because the final land uses are conceptual and the future commercial uses are subject to change, we did not conduct intersection capacity analyses, as any mitigation recommendations would be very speculative and would likely overestimate the impacts at the study area off-site intersections. However, we did conduct a preliminary turn lane warrant analysis to anticipate any recommended turn lanes on Cortaro Farms Road.
- 9. The turn lane analysis found that right turn lanes may be warranted at the commercial driveway on Cortaro Farms Road and on Cortaro Farms Road at its new intersection with Camino de Oeste. If these turn lanes are found to be warranted at the actual development plan and subdivision platting stage, Pima County standards set minimum storage lengths at 110 feet for roadways with posted speed limits of 40 mph or less. A queuing analysis will also have to be conducted to determine the lengths of the turn lane queues.
- 10. When the full TIS is conducted, a queuing analysis should also be performed for the downstream Uturn locations on Cortaro Farms Road at Star Grass Drive and at Burke Drive/Freshwater Lane.
- 11. Discussions in conjunction with Pima County and Marana School District should be held to assess whether a pedestrian crossing is recommended and appropriate on Cortaro Farms Road from the project area to serve Quail Run Elementary School. Final determination as to the need for such a crossing will be, to some extent, based upon the final uses on the project's commercial site, as well as the amount of pedestrian traffic from the more than one-thousand existing homes located south of the Specific Plan site.

2. Proposed Development

Site Location

The project is located south of Cortaro Farms Road and is bisected by the Camino de Oeste alignment south of Cortaro Farms Road. The project is bounded on the west by the Willow Vista residential neighborhood, on the east by Quail Cove residential development, and on the south by Bridlewood Ranch Estates (east of the Camino de Oeste south alignment) and the Country Highland development (west of the Camino de Oeste south alignment) in unincorporated Pima County, Arizona.

Land Use and Intensity

The preliminary concept includes up to 235 single family residential lots and a commercial area of about 60,000 total square feet. The residential component could alternatively include a mix of single family (135 lots) and multi-family (200 units) uses. For the purposes of this traffic study, and to provide a preliminary conservative estimate, we assumed that a high generator, a coffee shop with drive through windows and a 7,000 square foot medical office building, and the mix of single-family (135 lots) and multi-family (200 units) residential uses would comprise the land uses on this site.

Site Plan

The preliminary concept plan is shown in Exhibit 2.

Access Geometrics

There will be three access locations on Cortaro Farms Road, as well as access from the extension of the Camino de Oeste to its intersection with Cortaro Farms Road. All access locations on Cortaro Farms Road will be limited to right-in, right-out due to the raised median on Cortaro Farms Road. There will be full access at the three intersections on the extended Camino de Oeste section.

Development Phasing and Timing

For the purposes of this preliminary traffic study, we have assumed buildout by 2023. However, market forces will determine the actual rate of construction.

3. Study Area Conditions

Study Area and Horizon Year

For this preliminary traffic study, we have analyzed the project access locations on Cortaro Farms Road and on Camino de Oeste as well as the roadways themselves. The study area for a full Traffic Impact Study, which will be prepared at the development plan and future subdivision platting stage will be determined based on the trip generation of the land uses once they are better developed. The horizon year is 2023.

Land Use

Existing Land Use

The site is currently vacant. The land is generally surrounded by residential developments on the west, south and east. The Quail Run Elementary School is north of Cortaro Farms Road.

Site Accessibility

The site will be accessed from Cortaro Farms Road and the northern extension of Camino de Oeste.

Existing and Future Area Roadway System

Exhibit 3 is a tabulation of the major streets in the vicinity of the project with number of lanes, speed limits, facilities (bike lanes, sidewalks) and daily volumes.

Roadway segment levels of service is based on the Florida Department of Transportation (FDOT) Generalized Annual Average Daily Volumes for Florida's Urbanized Areas – Table 1. The estimated LOS D capacity of a four-lane non-state roadway such as Cortaro Farms Road is 35,820 vehicles per day (vpd). The estimated LOS D capacity of two-lane roadways such as Camino de Oeste and Oldfather Drive is between 10,700 and 13,990 vpd depending on the speed limit of the roadway and the presence of turn lanes along the roadway. Based on the existing volumes shown in Exhibit 3, all roadways currently operate well below the LOS D daily volume threshold.

Roadway Segment	Road Classification (Pima County MSRP)	Owning/ Maintenance Jurisdiction	Existing Rights of-Way (feet)		Posted Speed Limit	Bike Facilities	Pedestrian Facilities	Bus Route	Public Roadway Improvements Within Five Years	Recorded ADT	Year	Data Source	LOS D Capacity
Cortaro Farms Road, West of Camino de Oeste (South)	Medium Volume Arterial (PC)	Marana/Pima County	150	4	40	Bike Route with Striped Shoulder	Sidewalk	No	No	19,000	2020	PAG	35,820
Cortaro Farms Road, East of Camino de Oeste (South)	Medium Volume Arterial (PC)	Pima County	150	4	40	Bike Route with Striped Shoulder	Sidewalk, South Side	No	No	16,651	2020	PAG	35,820
Camino de Oeste, North of Cortaro Farms Road	Collector (PC)	Marana/Pima County	80	2	35	No	Sidewalk, West Side	No	No	6,197	2020	PAG	10,700
Sandy Desert Trail, South of Cortaro Farms Road	Not Designated	Marana	75	2	30	No	Sidewalk	No	No	No Volumes Available			10,700
Camino de Oeste, South of Project Site	Collector (PC)	Pima County	80	2	35	No	No	No	No	4,147	2020	PAG	13,990
Pima Farms Road, West of Camino de Oeste	Local Road	Marana	95-120	2	35	No	No	No	No	No Volumes Available			10,700
Magee Road, East of Camino de Oeste	Low Volume Arterial (PC)	Pima County	90	2	35	Striped Shoulder	No	No	No	4,561	2020	PAG	10,700
Oldfather Road, South of Cortaro Farms Road	Not Classified	Pima County	90	2	35	Bike Route with Striped Shoulder	Sidewalk	No	No	7,383	2020	PAG	13,990
Oldfather Road, South of Magee Road	Not Classified	Pima County	90	2	35	Bike Route with Striped Shoulder	Sidewalk	No	No	7,810	2020	PAG	13,990

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Site Circulation

Site circulation will be typical for a residential subdivision as shown in the site plan.

4. Existing Conditions

Physical Characteristics

Roadway Characteristics

Existing roadways serving the project are described below. The table in Exhibit 3 contains a summary of physical characteristics of these roadways and Exhibit 4 provides ground photographs of roadway segments and intersections.

<u>Cortaro Farms Road</u> was recently improved to a four-lane divided roadway from Camino de Oeste to Thornydale Road. The project was completed in 2019. The project included multi-use lanes, curbed median, storm drain system, cross drainage structures, retaining walls, public art, rubberized asphalt, traffic signal improvements, native re-vegetation landscaping and signage and pavement markings. The four-lane capacity of Cortaro Farms Road is about 35,800 vehicles per day at Level of Service D. It has a posted speed limit of 40 mph in the vicinity of the project but increases to 45 mph east of Thornydale Road. West of Camino de Oeste, and east of Thornydale Road the full four-lane divided arterial cross-section is already in place.

<u>Camino de Oeste, north of Cortaro Farms Road</u> is a two-lane undivided roadway with curb and sidewalk on the east side of the roadway to about 600 feet north of Cortaro Farms. The two-lane capacity of Camino de Oeste is 10,700 vehicles per day at Level of Service D. It has a posted speed limit of 35 mph. It continues south of Cortaro Farms Road as <u>Sandy Desert Trail</u>, a two-lane residential collector with a speed limit of 30 mph and sidewalks on each side.

<u>Camino de Oeste south of the project site</u> a two-lane roadway with a two-way center left turn lane. Its capacity is about 14,000 vehicles per day at Level of Service D. There is curb with no sidewalk on both sides of the roadway. It has a posted speed limit of 35 mph. The roadway will be constructed as a two-lane divided collector roadway north to its future intersection with Cortaro Farms Road.

<u>Pima Farms Road</u> is a paved, east-west two-lane roadway that extends west of Camino de Oeste about one-mile where it continues as Cerius Stravenue. It has a posted speed limit of 35 mph.

<u>Magee Road</u> is a paved, east-west two-lane arterial that extends east of Camino de Oeste about two miles where it continues as Shannon Road. It has a posted speed limit of 35 mph.

<u>Oldfather Drive</u> is a paved, north-south two-lane residential collector that extends from Cortaro Farms Road on the north to Ina Road on the south. It has a posted speed limit of 35 mph. Oldfather Drive is a bike route with striped shoulders and sidewalks on both sides of the roadway.

Exhibit 4 Ground Photographs



Looking West on Cortaro Farms Road towards Star Grass Drive



Looking East on Cortaro Farms Road from Star Grass Drive



Looking North on Camino de Oeste Curb Cut toward Cortaro Farms Road



Looking South along Camino de Oeste South of Project Boundary



Looking North along Camino de Oeste South of Project Boundary

Existing Intersections

<u>Cortaro Farms Road/Camino de Oeste (N)/Sandy Desert Trail</u> is a four-legged signalized intersection. The eastbound and westbound approaches have left turn and right turn lanes. The north and south approaches have a left turn lane and a shared through/right turn lane. The eastbound and northbound approaches each have an exclusive left-turn lane and an exclusive right turn lane. The Cortaro Farms approaches have a permitted/protected left turn phase. The intersection is shown in Exhibit 5.

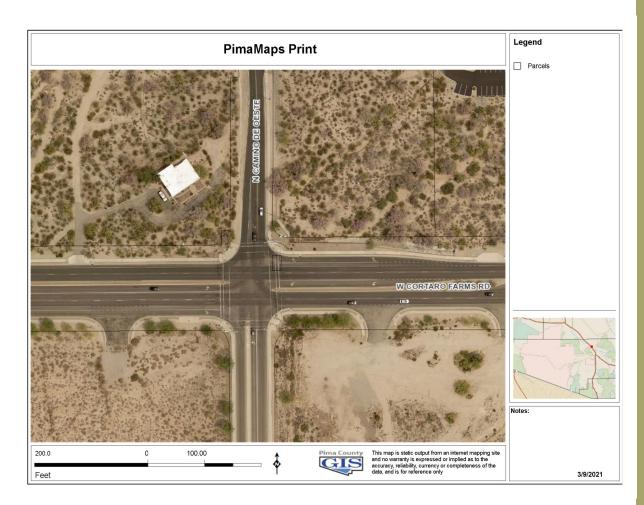


Exhibit 5 Cortaro Farms Road/Camino de Oeste/Sandy Desert Trail

<u>Cortaro Farms/Oldfather Drive</u> is a three-legged signalized intersection with a left turn phase on the westbound approach. The intersection is configured with one left turn lane and one right turn lane on the south leg, a U-turn lane two through lanes and a right turn lane on the west leg, and a left turn lane and two through lanes on the east leg. The intersection is shown in Exhibit 6.

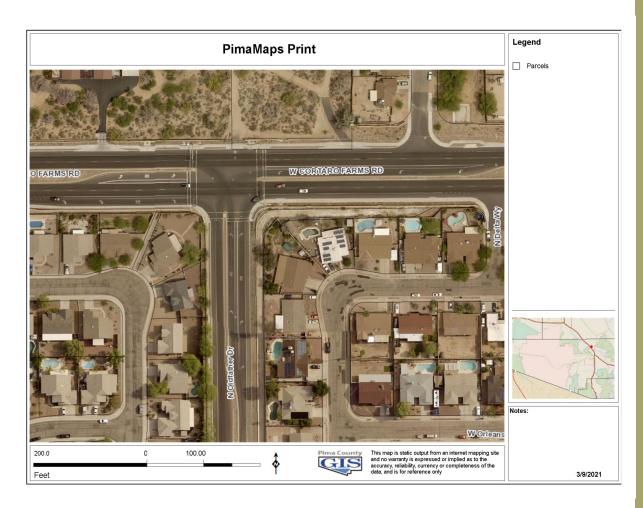


Exhibit 6 Cortaro Farms Road/Oldfather Drive

<u>Camino de Oeste/Pima Farms Road/Magee Road</u> is a four-legged intersection with stop control on the Pima Farms Road and Magee Road approaches. The southbound approach has a shared left/through lane and an exclusive right-turn lane. The other three legs are single-lane approaches. The west leg (Pima Farms Road) is offset by about 40 feet north of the east leg (Magee Road). The intersection is shown in Exhibit 7.

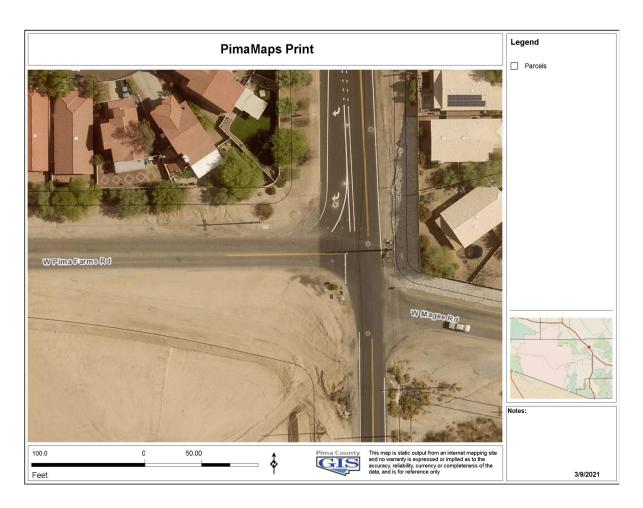
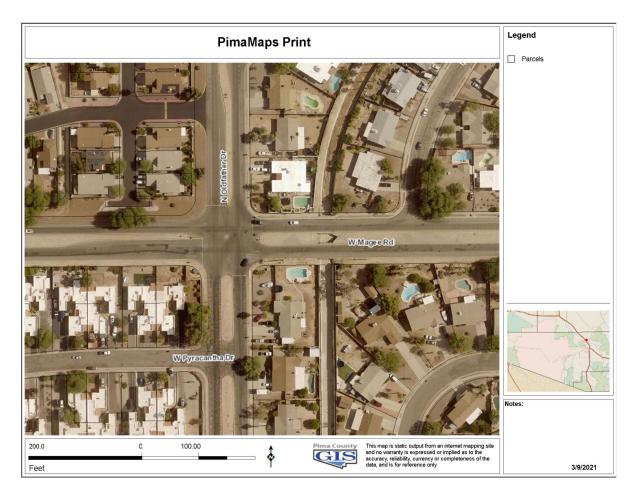


Exhibit 7 Camino de Oeste/Pima Farms Road/Magee Road

<u>Magee Road/Oldfather Drive</u> is a four-legged intersection with all-way stop control. The north and west legs each have an exclusive left turn lane and a shared through/right turn lane. The south and east legs have single-lane approaches. The intersection is shown in Exhibit 8.

Exhibit 8 Magee Road/Oldfather Drive



Transit Service

The closest transit route is Sun Shuttle Route 412 which runs on Thornydale Road with a stop at Cortaro Farms Road.

Multi-Modal Impacts/Facilities

Cortaro Farms Road and Oldfather Drive are bike routes with striped lanes on both sides. Both streets have sidewalks on both sides of the streets. Magee Road, east of Camino de Oeste also has striped lanes for bicycle use on both sides.

Sight Distance/Topography

Sight distances at the study area intersections appear to be acceptable. Acceptable sight distance should be ensured through clearing of vegetation if necessary.

Connectivity

The project will construct an extension of Camino de Oeste to intersect with Cortaro Farms Road. This will complete a connection from Cortaro Farms Road to Ina Road. There will be better access to Quail Run Elementary School for families who live south of the project site.

Engineering, LLC

5. Existing Traffic Conditions

Roadway Traffic Volumes and Performance

Daily roadway volumes on Cortaro Farms Road and the surrounding roadways are available from Pima Association of Governments website. Because this study was prepared to support the Specific Plan, and a follow up TIS will be prepared when the actual tenants are known, this TIS only analyzes level of service conditions on the project roadways. More rigorous analyses, including peak hour intersection capacity analyses will be conducted at the development plan stage.

Level of service is a qualitative description of how well a roadway or intersection operates under prevailing traffic conditions based on traffic volumes and capacity. A grading system of A through F, similar to academic grades, is utilized. LOS A is free-flowing traffic, whereas LOS F is forced flow, delay, and extreme congestion. LOS D (Pima County) is generally accepted as the standards in urbanized areas.

Segment performance has been estimated using the planning methods contained in the Florida Department of Transportation (FDOT) Generalized Annual Average Daily Volumes for Florida's Urbanized Areas – Table 1¹. Exhibit 9 shows that all project area roadways have daily volumes that are below the daily LOS D capacity thresholds.

¹ Florida Department of Transportation Quality/Level of Service Handbook, Generalized Volumes for Urbanized Areas

Roadway Segment	Recorded ADT	Year	Data Source	LOS D Capacity
Cortaro Farms Road, West of Camino de Oeste (South)	19,000	2020	PAG	35,820
Cortaro Farms Road, East of Camino de Oeste (South)	16,651	2020	PAG	35,820
Camino de Oeste, North of Cortaro Farms Road	6,197	2020	PAG	10,700
Sandy Desert Trail, South of Cortaro Farms Road	No Volumes Available			10,700
Camino de Oeste, South of Project Site	4,147	2020	PAG	13,990
Pima Farms Road, West of Camino de Oeste	No Volumes Available			10,700
Magee Road, East of Camino de Oeste	4,561	2020	PAG	10,700
Oldfather Road, South of Cortaro Farms Road	7,383	2020	PAG	13,990
Oldfather Road, South of Magee Road	7,810	2020	PAG	13,990

Exhibit 9 Current Traffic Volumes and LOS on Roadway Segments

Safety Related Deficiencies

ADOT collects crash data for all roadways within the state. We reviewed the data within the project study area for the most recently available five-year period (2015-2019). A summary of the crashes within the five-year period are provided in Exhibits 10a (intersection crashes) and 10b (roadway segment crashes).

It should be noted that the segment of Cortaro Farms Road between Camino de Oeste and Thornydale was recently improved to a four-lane urban arterial. The project was completed in Spring 2019, therefore, most of the crashes recorded along Cortaro Farms Road occurred when the roadway was a two-lane road or during the construction of the roadway.

The highest five-year intersection crash rate, 0.87 crashes per million vehicles entering (MVE) occurred at the Cortaro Farms Road/Oldfather signalized intersection. Nineteen crashes occurred over this period with sixteen being rear-end crashes.

The next highest intersection crash rate (0.82 crashes per MEV) was at the unsignalized Camino de Oeste/Pima Farms Road/Magee Road intersection. There were four rear end crashes and three angle crashes among the nine crashes recorded during the five-year period.

Cortaro Farms Road experienced a five-year crash rate of 0.89 crashes per million vehicle-miles during the five-year period. There was a total of thirty-one crashes during this period, with the majority occurring in 2017. The most common crash type was "rear-end" with 22 of the 31. There were only two crashes recorded in 2019, perhaps due to the safety improvements associated with the roadway widening project.

Exhibit 10a Intersection Crash Data - 2015-2019

1	1					
				1	3	12%
1	1			1	3	12%
6	2	3	3	2	16	64%
		1	1		2	8%
		1			1	4%
8	4	5	4	4	25	
0.90	0.45	0.56	0.45	0.45	0.56	
	8	8 4	1 1 8 4 5	8 4 5 4	8 4 5 4 4	1 1 2 1 1 1 8 4 5 4 4 25

7 18

28% 72%

Bodily Injury	2	1	1	1	2
Property Damage	6	3	4	3	2

Cortaro Farms Road/Oldfather Drive

Crash Type	2015	2016	2017	2018	2019	Total	%
Single Vehicle	1		1			2	11%
Rear End	6	1	8	1		16	84%
Sideswipe	1					1	5%
Total	8	1	9	1	0	19	
Crash Rate (per MVE)	1.82	0.23	2.05	0.23	0.00	0.87	

Severity	1				Total	%
Bodily Injury	2		3		5	26%
Property Damage	6	1	6	1	14	74%

Cortaro Farms Road/Star Grass

2015	2016	2017	2018	2019	Total	%
			1		1	33%
1					1	33%
	1				1	33%
1	1	0	1	0	3	
0.14	0.14	0.00	0.14	0.00	0.08	
	1	1 1 1 1	1 1 1 1 1 0			1 1 1 1 1 1 1 1 1 1 1 0 1 0 3

Severity				Total	%
Bodily Injury				0	0%
Property Damage	1	1	1	3	100%

Cortaro Farms Road/Gatekeeper

Crash Type	2015	2016	2017	2018	2019	Total	%
Rear End				2		2	100%
Total	0	0	0	2	0	2	
Crash Rate (per MVE)	0.00	0.00	0.00	0.31	0.00	0.06	

Severity			Total	%
Bodily Injury			0	0%
Property Damage		2	2	100%

Cortaro Farms Road/Freshwater

Crash Type	2015	2016	2017	2018	2019	Total	%
Left Turn		1				1	17%
Rear End	2	2	1			5	83%
Total	2	3	1	0	0	6	
Crash Rate (per MVE)	0.27	0.41	0.14	0.00	0.00	0.16	

Severity					Total	%
Bodily Injury	1				1	17%
Property Damage	1	3	1		5	83%

Camino de Oeste/Pima Farms Road/Magee Road

Crash Type	2015	2016	2017	2018	2019	Total	%
Single Vehicle		1				1	11%
Angle	1	1	1			3	33%
Rear End			2	2		4	44%
Head On	1					1	11%
Total	2	2	3	2	0	9	
Crash Rate (per MVE)	0.91	0.91	1.37	0.91	0.00	0.82	
-	-						
Severity						Total	%
Bodily Injury						0	0%
Property Damage	2	2	3	2		9	100%

Property Damage 2 2 3 2 Note: MVE = Million Vehicles Entering the intersection

Exhibit 10b Roadway Crash Data – 2015-2019

Crash Type	2015	2016	2017	2018	2019	Total	%
Single Vehicle		1	1	1	1	4	13%
Left Turn	1					1	3%
Rear End	6	1	13	2		22	71%
Sideswipe		3			1	4	13%
Total	7	5	14	3	2	31	
Crash Rate (per MVM)	1.01	0.72	2.02	0.43	0.29	0.89	

Cortaro Farms: Camino de Oeste to Oldfather Drive

Severity						Total	%
Fatal						0	0%
Bodily Injury	2	1	2		1	6	19%
Property Damage	5	4	12	3	1	25	81%

Note: MVM = Million Vehicle Miles

Data Sources

- Pima Association of Governments Traffic Volumes
- Florida Department of Transportation Generalized Annual Average Daily Volumes for Florida's Urbanized Areas Table 1
- ADOT Crash Records

6. **Projected Traffic Conditions**

Site Traffic Forecasting

Trip Generation

Trips generated by the project have been estimated using the rates published in the *ITE Trip Generation Manual, 10th Edition* for land use categories 210– Single Family Detached Housing, 220-Multi-family Housing (Low-Rise), 938-Coffee/Donut Shop with Drive-Through Window and No Indoor Seating and 720-Medical-Dental Office Building. The residential component mix of single family and multi-family housing was found to generate a slightly higher trip generation than if the residential component only had single-family residential uses. The trip rates and resulting trip generation are provided in Exhibit 11.

The table shows that the total daily traffic generated by this project at buildout is about 4,722 trips during the average weekday, 505 during the AM peak hour and 340 during the PM peak hour.

			ITE	Weeka	lay AM	Week	day PM	Avg Weekday	
Proposed Use	Unit	No.Units	Categ.	In	Out	In	Out	In	Out
Single-Family Detached	Dwelling	135	210	0.74		0.99		9.44	
Housing	Unit			25%	75%	63%	37%	50%	50%
Multifamily Housing (Low-Rise)	Dwelling	200	220	0.46		0.56		7.32	
	Unit			23%	77%	63%	37%	50%	50%
Coffee/Donut Shop with Drive-Through	1000 SF	0.87	938	337	7.04	83.33		2000	
Window and No Indoor Seating				50%	50%	50%	50%	50%	50%
Medical-Dental Office Building	1000 SF	7.00	720	2.78		3.46		34.8	
				78%	22%	20%	72%	50%	50%

Trip Generation Rates - Average Rates

Preliminary Trip Generation

		No.	Weekd	lay AM	Week	day PM	Avg V	Veekday
Proposed Use	Unit	Units	In	Out	In	Out	In	Out
Single-Family Detached	Dwelling	135	1	00	134		1274	
Housing	Unit		25	75	84	49	637	637
Multifamily Housing (Low-Rise)	Dwelling	200	92		112		1464	
Housing	Unit		21	71	71	41	732	732
Coffee/Donut Shop with Drive-Through	1000 SF	0.87	2	93	72		1740	
Window and No Indoor Seating			147	147	36	36	870	870
Medical-Dental Office Building	1000 SF	7.00	1	9		22		244
			15	4	5	17	122	122
Totals			505		340		4722	
			208	297	196	145	2,361	2,361

Some numbers do not appear to add due to rounding.

Mode Split

All trips were assumed to be via motor vehicle. No trips were assigned to bike, pedestrian, or transit modes.

Pass-By Traffic

Pass-by trips associated with the coffee shop land use were calculated based on pass-by trip rates for this land use in the *ITE Trip Generation Handbook, 3rd Edition,* and are shown in Exhibit 12. The total net new trips (total trips minus pass-by trips) are shown in Exhibit 13.

Paae 21

Exhibit 12 Pass-By Trip Generation

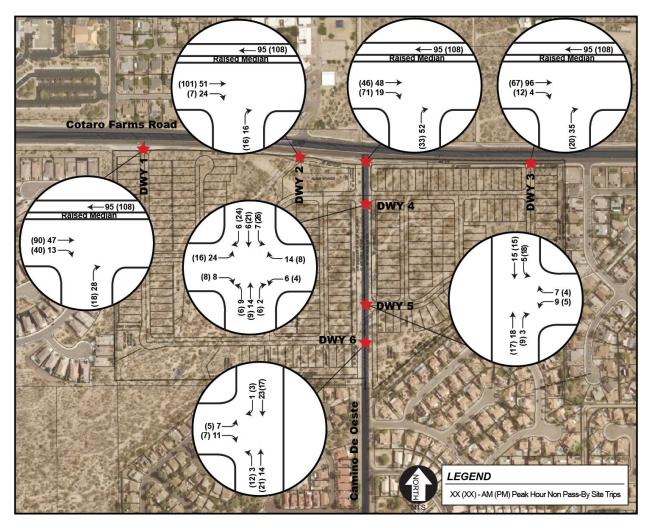
		Pass By	Weekday AM W		Week	Weekday PM		Avg Weekday*	
Pass-by Trips	Unit	Rates	In	Out	In	Out	In	Out	
Coffee/Donut Shop with Drive-Through	1000 SF	89%	261		65		1549		
Window and No Indoor Seating			130	130	32	32	774	774	

		No.	Weeka	Weekday AM		day PM	Avg V	Veekday
Net New Trips	Unit	Units	In	Out	In	Out	In	Out
Single-Family Detached	Dwelling	135	1	100		134		274
Housing	Unit		25	75	84	49	637	637
Multifamily Housing (Low-Rise)	Dwelling	200	92		112		1464	
Housing	Unit		21	71	71	41	732	732
Coffee/Donut Shop with Drive-Through	1000 SF	0.87	3	32	8		191	
Window and No Indoor Seating			16	16	4	4	96	96
Medical-Dental Office Building	1000 SF	7.00	1	19		22		244
			15	4	5	17	122	122
Totals			244		276		3173	
			77	166	164	112	1,587	1,587

Exhibit 13 Net New Trips

Trip Distribution and Assignment

Trips generated by this project have been distributed to the surrounding roadway network. We distributed 40% of the trips to the west and 40% to the east, both via Cortaro Farms Road. We distributed the remaining 20% south on Camino de Oeste. The resulting peak hour assignments at the project access intersections are illustrated in Exhibits 14 (non pass-by trips) and 15 (pass-by trips).





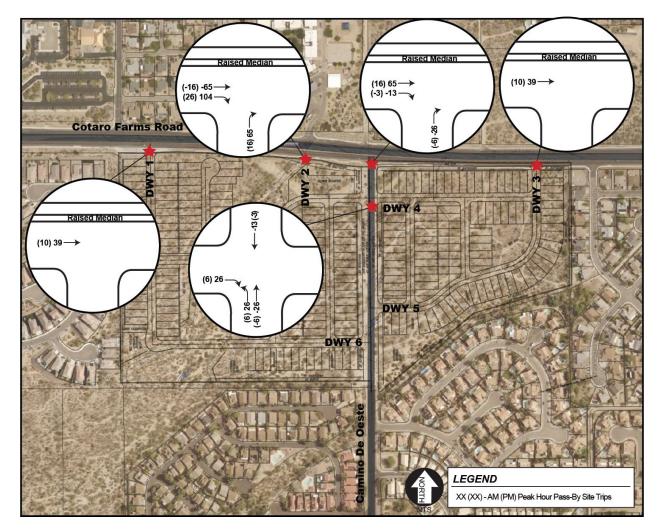


Exhibit 15 Site Trips – Pass By

Non-Site Traffic Forecasting

There are no background intersection traffic volume data available beyond a 2017 turning movement count at the Cortaro Farms Road/Camino de Oeste/Sandy Desert Trail intersection for intersections in the vicinity of the project. There are roadway volumes on PAG's website in the vicinity of the project. We reviewed a 24-hour count on Cortaro Farms Road that was collected on September 11, 2019, after Cortaro Farms Road was widened to four lanes. We applied a growth rate of 2%/year to the highest peak hour volumes between 7-9 AM and 4-6 PM to estimate year 2023 traffic volumes on Cortaro Farms Road near its future intersection with the northern extension of Camino de Oeste.

The 2019 and 2023 peak hour volumes on Cortaro Farms Road are provided in Exhibit 16. These hourly volumes were used in the assessment of turn lane warrants at the project driveways on Cortaro Farms Road.

Exhibit 16 **Cortaro Farms Road – Peak Hour Volumes**

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	Peak Hour V	olumes
	Year 2019	Year 2023
Eastbound AM	1,094	1,184
Eastbound PM	680	736
Westbound AM	425	460
Westbound PM	798	864

Total Traffic

The background traffic was added to the site traffic to estimate total traffic at the project driveways. The resulting peak hour volumes at the project driveways are illustrated in Exhibit 17.

We did not estimate through traffic volumes on Camino de Oeste as these volumes would be speculative for this planning level analysis. However, there would have to be approximately 800 – 900 vehicles during the peak hour for southbound or northbound right turn lanes to be warranted at the project driveways based on Pima County right turn lane warrant criteria. It is unlikely that the future volumes on this roadway segment would be realized, thus right turn lanes are not projected to be warranted. A continuous left turn lane on Camino de Oeste is expected to be constructed, so a left turn lane warrant analysis was not conducted for left turns on Camino de Oeste.

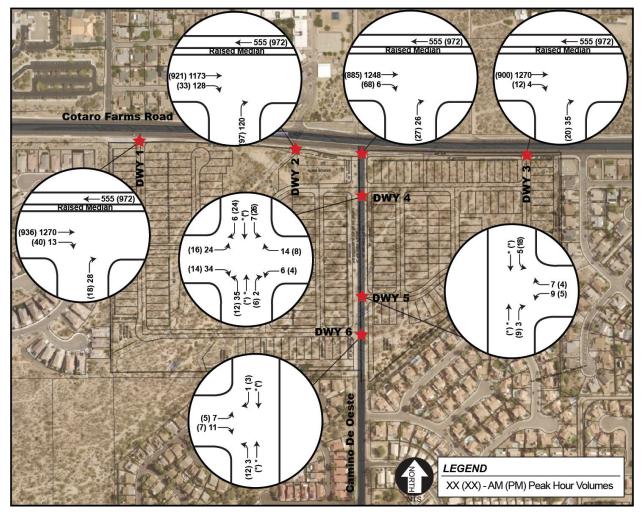


Exhibit 17 2023 Driveway Volumes

Through movements on Camino de Oeste have not been estimated for this report.

Roadway Levels of Service

Exhibit 18 summarizes the new ADT and daily volume capacity (LOS D) of the roadway segment with and without the project in 2023.

The table show that based on the growth of 2%/year estimated for the background traffic, and the LOS D criteria found in FDOT's *Generalized Annual Average Traffic Volumes in Urbanized Areas*, the 2023 no project and with project volumes will not exceed the theoretical daily service volume LOS D thresholds.

Roadway Segment	LOS D Capacity	2023 No Project ADT	Site Trips	2023 With Project*
Cortaro Farms Road, West of Camino de Oeste (South)	35,820	20,566	1,269	21,835
Cortaro Farms Road, East of Camino de Oeste (South)	35,820	18,024	1,269	19,293
Camino de Oeste, North of Cortaro Farms Road	10,700	6,708	159	6,866
Camino de Oeste, South of Project Site	13,990	4,489	635	5,123
Magee Road, East of Camino de Oeste	10,700	4,937	317	5,254
Oldfather Road, South of Cortaro Farms Road	13,990	7,992	159	8,150
Oldfather Road, South of Magee Road	13,990	8,454	159	8,612

Exhibit 18 Year 2023 Roadway Future Volumes

*It is expected that the new intersection of Cortaro Farms Road/Camino de Oeste will draw background traffic to and from Cortaro Farms Road and Camino de Oeste, and that the traffic volumes shown in Exhibit 19 will likely be higher on Camino de Oeste and lower on Cortaro Farms Road. This will be analyzed more fully when the TIA is prepared at the future subdivision platting and development plan stages.

Acceleration/Deceleration Lanes, Left Turn Lanes

The Pima County Subdivision and Development Street Standards includes warrants for left and right turn lanes. For the right turn lane warrant, the hourly right turn volume is plotted against the major road volume (Exhibit 19).

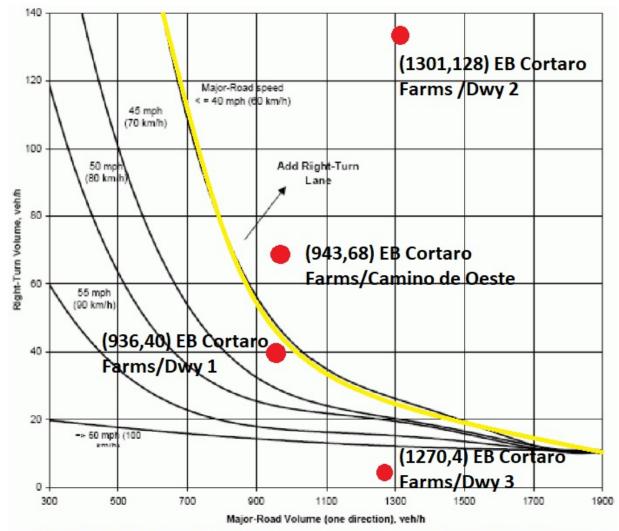
Because of the raised median on Cortaro Farms Road and that the Camino de Oeste extension will have a continuous left turn lane, we did not conduct left turn warrant analyses for these roadways. We conducted a right turn lane warrant analysis for turns from Cortaro Farms Road into the project driveways and at its future intersection with Camino de Oeste.

The right turn lane warrant is met for the eastbound right turn into Driveway 2, the commercial driveway and on Cortaro Farms Road at its intersection with Camino de Oeste, based on the trip distribution estimate. A more detailed analysis will be conducted at the future subdivision platting and development plan stages.

Based on this preliminary analysis, right turn lanes are not anticipated to be warranted at the other project driveways on Cortaro Farms Road.

Turn lanes should be 110 feet long at a minimum per Pima County turn lane standards for 40-mph roadways.

Exhibit 19 Right Turn Lane Warrant Criteria – Pima County



A-3 RIGHT TURN LANE GUIDELINES FOR FOUR-LANE ROADS9

Note: Existing roadway constraints may restrict the ability or need to install turning lanes. Traffic Engineering may require a traffic engineering analysis to support alternative recommendations for the installation of turning lanes.

Quail Run School Crossing

Quail Run Elementary School is on the north side of Cortaro Farms Road, directly opposite the project site. The school boundaries extend south on Camino de Oeste and parents will have better vehicular and pedestrian access to Cortaro Farms Road and the school, although there will be no direct vehicular connection to the school due to the raised median on Cortaro Farms Road. The future commercial use within the Specific Plan area may also be an attractor for employees and or students at the school. The potential for a pedestrian crossing, whether signalized or unsignalized should be discussed with Pima County and the Marana School District as the project continues to future subdivision platting and at the development plan stages.

Pedestrian, Bicycle, and Transit Considerations

Pedestrian and bike facilities should be included in the internal subdivision streets as required by County subdivision street standards. The pedestrian circulation network for the residential land uses will be comprised of new public sidewalks, pedestrian paths and trails, and bike-friendly neighborhood streets. These circulation elements will accommodate both pedestrians and bicyclists and will connect to the public sidewalks and multi-use lanes on the adjacent public arterials (Cortaro Farms Road, the new Camino de Oeste extension).

The closest transit route is Sun Shuttle Route 412 which runs on Thornydale Road with a stop at Cortaro Farms Road.

Speed Considerations

The posted speed limit on Camino de Oeste south of the project is currently 35 mph. It is expected that the extension of Camino de Oeste will also be posted for 35 mph.

Traffic calming measures may be desirable on internal streets. Traffic calming measures might include pedestrian tables, mini roundabouts, and curb "bump outs" at intersections along the more important pedestrian routes.

Other Mitigation

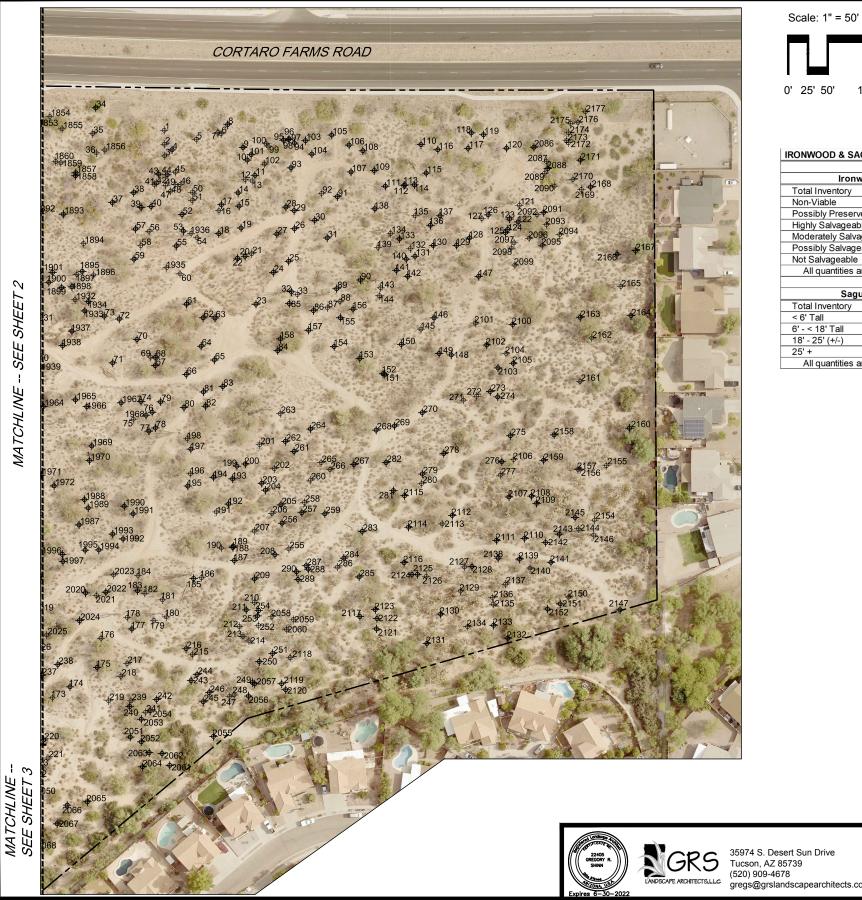
This preliminary traffic study is intended to provide a general analysis of potential transportation conditions within and in the vicinity of the project site. A more comprehensive traffic impact study that will provide additional mitigation recommendation should be conducted at the future subdivision platting and development plan stages when land use intensities and the site plan are more evolved.

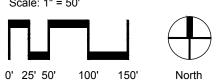
8. Conclusions and Recommendations

Conclusions and Recommendations

- 1. This preliminary study addresses a 57-acre residential and commercial development located south of Cortaro Farms Road along the Camino de Oeste (south) alignment. This study is a supporting document to the Cortaro 57 Specific Plan submittal.
- 2. Along the project frontage, Cortaro Farms Road and Camino de Oeste are owned and maintained by Pima County.
- 3. This preliminary study analyzes a mix of single-family residential lots (135) and multi-family units (200) a coffee shop with drive through lanes and a medical office building. when completed. For the purpose of this traffic study, buildout is estimated to be around 2023, although the homebuyer's market will determine actual buildout. This mix was chosen to be a conservative choice, and the future development may likely produce fewer trips if a less intense commercial land use is constructed.
- 4. Access to the project will be from Cortaro Farms Road at four locations, one being an extension of Camino de Oeste from the south to its intersection with Cortaro Farms Road. All access locations on Cortaro Farms Road will be limited to right-in, right-out only due to the raised median on Cortaro Farms Road. There will be three new intersections on the extension of Camino de Oeste providing access to the project uses. These intersections will allow for full access movements.
- 5. The site adjoins existing residential development to the south, west and east.
- 6. The roadways and intersections currently operate at LOS D or better.
- 7. Based on this preliminary and conservative site plan and analysis, the project will generate about 4,722 trips per day, of which 505 will be in the AM peak and 340 in the PM peak. About 89% of the coffee shop trips will be pass-by trips, reducing the number of new trips on the surrounding roadway to about 3,173 net weekday trips, 244 net AM peak hour trips and 276 net PM peak hour trips.
- 8. Because the final land uses are conceptual and the future commercial uses are subject to change, we did not conduct intersection capacity analyses, as any mitigation recommendations would be very speculative and would likely overestimate the impacts at the study area off-site intersections. However, we did conduct a preliminary turn lane warrant analysis to anticipate any recommended turn lanes on Cortaro Farms Road.
- 9. The turn lane analysis found that right turn lanes may be warranted at the commercial driveway on Cortaro Farms Road and on Cortaro Farms Road at its new intersection with Camino de Oeste. If these turn lanes are found to be warranted at the actual development plan and subdivision platting stage, Pima County standards set minimum storage lengths at 110 feet for roadways with posted speed limits of 40 mph or less. A queuing analysis will also have to be conducted to determine the lengths of the turn lane queues.
- 10. When the full TIS is conducted, a queuing analysis should also be performed for the downstream Uturn locations on Cortaro Farms Road at Star Grass Drive and at Burke Drive/Freshwater Lane.
- 11. Discussions in conjunction with Pima County and Marana School District should be held to assess whether a pedestrian crossing is recommended and appropriate on Cortaro Farms Road from the project area to serve Quail Run Elementary School. Final determination as to the need for such a crossing will be, to some extent, based upon the final uses on the project's commercial site, as well as the amount of pedestrian traffic from the more than one-thousand existing homes located south of the Specific Plan site.

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IRONWOOD & SAGUARO INVENTORY SUMMARY

Ironwoods	Total
Total Inventory	1,320
Non-Viable	508
Possibly Preserve in Place	175
Highly Salvageable	25
Moderately Salvageable	196
Possibly Salvageable	67
Not Salvageable	319
All quantities are approximate	
Saguaros	Total
Total Inventory	827
< 6' Tall	142
6' - < 18' Tall	540
18' - 25' (+/-)	71
25' +	74
All quantities are approximate	



Design Review 4/9/21 □ Construction Docur LMW □ Construction Docur □ Construction Set GRS 🛛 Not for Construction

ABBREVIATIONS

- The following abbreviations were used in the plant tables:
- BL Broken Limbs; Tree has significant broken branches.
- BL
 Broken Limbs; Tree has significant broken branches.

 BT
 Broken Top, generally used in description of cactus.

 DW
 Dead Wood; Tree has significant die back or dead/broken limbs.

 DY
 Dying; Tree is dying.

 FD
 Frost Damage.

 IN
 Insect or Disease Infestation.

 LB
 Low Branched; Tree has many low branches that will need to be

- removed for salvaged and removal will destroy structure of tree. LE Leaning; Tree is leaning to the point where salvage will be difficult. MS Marginal Salvage; Used during field inventory to identify less desirable salvage candidates to be used if needed to meet % requirements.

- requirements. MT Tree has significant mistletoe infestation. NV Not Viable: These are trees which are not included in the calculations for the site because they are not in viable condition. OT Tree has an old trunk indicating dieback at some point in the past.

- OT Tree has an old trunk indicating dieback at some point in the past.
 PD Pruning Damage.
 PIP- Plants to be preserved in place.
 PIP-ROW Plants to be preserved in place but located within the Right of Way. These plants are not included in the calculation of credits for PIP plants on the site.
 PROX-Other vegetation in the vicinity will make salvage difficult.
 PS Possible Salvage; Used in the field to identify best potential salvage candidates
- candidates.
- RD Rodent Damage; Rodents have excavated at the base of the tree. RFS Plants to be removed from site, damaged or destroyed. RT Rotted Trunk; Trunk has been broken off or rotted out and has
- hollow areas, making long term health and viability of the tree questionable. SAL- Salvage; Used during field inventory to identify trees that should be
- Salvage, used during real inventory to itermity the terming these that should salvaged regardless of % requirements.
 Slope; Tree is on steep slope where salvage will not be possile.
 Solts; Solt is rocky or otherwise unsuitable for exavation.
 Surface roots are evident, making excavation difficult.

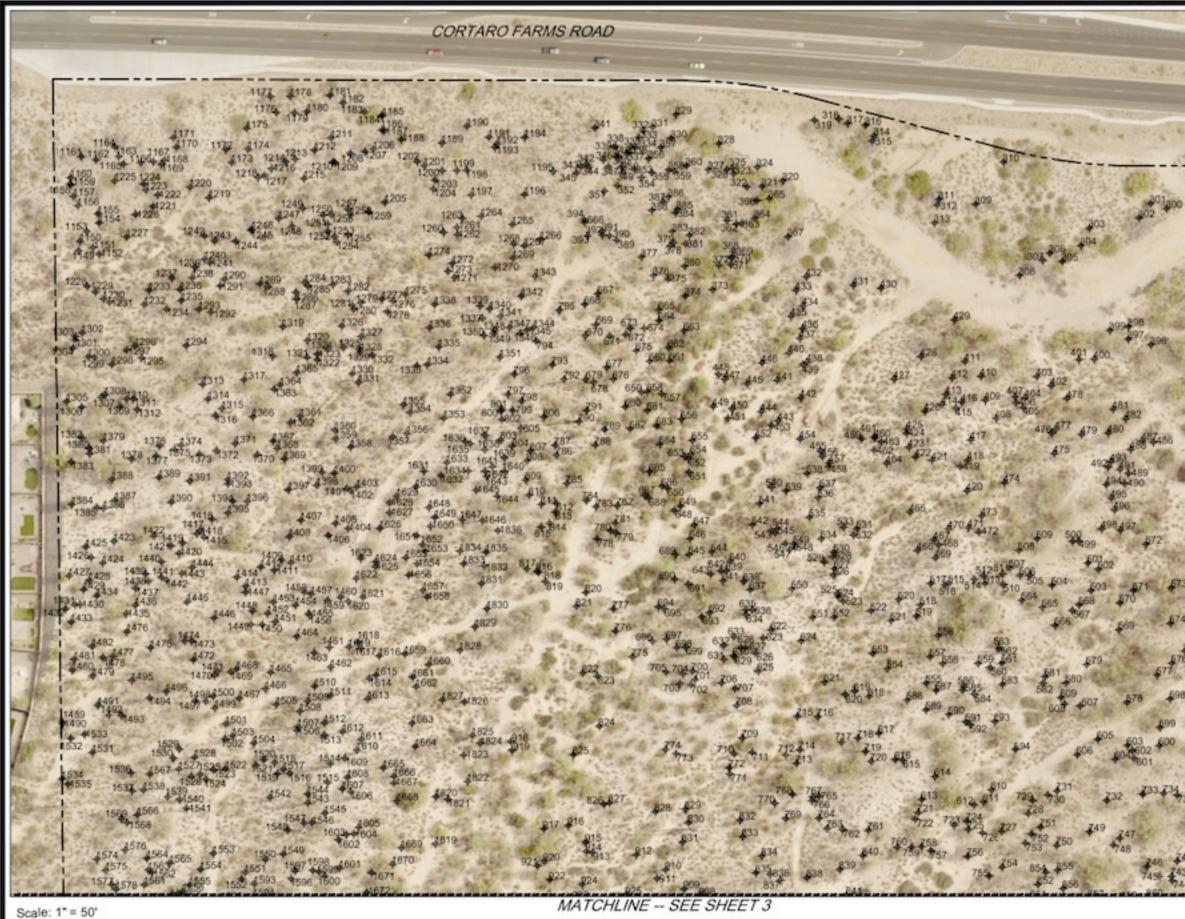
- ST
 Stunted.

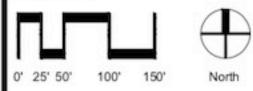
 SZ
 Size of the tree; either spread, caliper or height is not conducive to
 Size of the tree; either spread, canper or neight is not considere as safage.
 To - Trunk Damage.
 To Multi: Tree has multiple trunks coming out of the ground that will make moving the tree difficult without significant damage.
- With make moving the variable and the second requirements.

CORTARO 57 SPECIFIC PLAN

SAGUARO & IRONWOOD INVENTORY

sheet 1 of 9







10. . . 1977 +1976 11973 1985 CORTARO 57 SPECIFIC PLAN SAGUARO & IRONWOOD INVENTORY

sheet 2 of 9

134 Carregies gigartes - Seguero 15 2 F 135 Carregies gigartes - Saguero 15 1 F 139 Carregies gigartes - Saguero 3 8 143 Carregies gigartes - Saguero 18+ 12 144 Carregies gigartes - Saguero 6 F 145 Carregies gigartes - Saguero 6 F	132	Carregiea gigantea - Saguaro			M
135 Carregiea gigartea - Saguero 15 1 139 Carregiea gigartea - Saguero 3 N 143 Carregiea gigartea - Saguero 18+ 12 144 Carregiea gigartea - Saguero 6 H 145 Carregiea gigartea - Saguero 6 H		Carregies gigantes - Saguero	12		н
143 Carregiea gigantea - Saguero 18+ 12 L 144 Carregiea gigantea - Saguero 6 P 145 Carregiea gigantea - Saguero 6 P	134	Carregies gigartes - Saguero	15	2	H
143 Carregiea gigantea - Saguero 18+ 12 L 144 Carregiea gigantea - Saguero 6 P 145 Carregiea gigantea - Saguero 6 P	1.35	Carregies gigartes - Saguero	15	1	н
144 Camegiea gigantea - Saguero 6 F 145 Camegiea gigantea - Saguero 6 F	139	Carregiea gigantea - Saguaro	3		M
144 Carregiea gigantea - Saguero 6 F 145 Carregiea gigantea - Saguero 6 F	143	Carregies gigartes - Saguero	18+	12	L.
145 Carregiea gigartes - Saguero 6 +	144	Carregies gigartes - Saguaro	6		н
	145	Carregiea gigantea - Saguero	6	-	н
Scale: 1 = 50	Scal	e: 1" = 50'			

CACTUS INVENTORY

NO. DESCRIPTION

Carregiea gigantea - Saguero 12 Carregiea gigantea - Saguero 4

Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro

Carregies gigantes - Saguaro Carregies gigantes - Saguaro Carregies gigantes - Saguaro amegies gigantes - Saguero Carregias gigartes - Saguero Carregias gigartes - Saguero amegiea gigantea - Saguero Carregies gigantes - Saguaro Carregies gigantes - Saguaro amegiea gigantea - Saguaro Carregies gigantes - Saguaro Carregies gigantes - Saguaro Carregiea gigantea - Saguaro Camegiea gigantea - Saguaro Camegiea gigantea - Saguaro amegiea gigantea - Saguaro Carnegiea gigartea - Saguaro Carnegiea gigartea - Saguaro amegiea gigantea - Saguero Carnegiea gigantea - Saguaro Carnegiea gigantea - Saguaro arregies gigartes - Saguaro Carnegiea gigantea - Saguero Carnegiea gigantea - Saguero arregies gigartes - Saguaro Carregies gigartes - Saguaro Carregies gigartes - Saguaro arregiea gigantea - Saguero Carnegies gigartes - Saguaro Carnegies gigartes - Saguaro Carregies gigantes - Saguaro Carregies gigantes - Saguaro Carregies gigantes - Saguaro Carregiea gigantea - Saguaro VABLIT

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H

TRANS COMMENTS

MS

SIZE ARMS

100	Camegies gigantes - Saguero	10		H		PPROX.
167	Carregiea gigantea - Saguaro	2		н	н	PS
172	Carregies gigarites - Saguaro	18+	6	M	L	8Z
173	Carregies gigartes - Saguaro	6		M	M	MS
176	Carregies gigantes - Saguero	6		н	M	MS PROK
178	Carregies gigartes - Saguaro	18+		L	- L	DY
179	Carregies gigantes - Saguaro	6		н	H	PS.
180	Carnegies gigantes - Saguero	18+	2	L.	L	52
181	Carregies gigantes - Saguero	6		н	н	PS
182	Carregies gigantes - Saguaro	8		н	н	PS
184	Carregies gigantes - Saguaro	2		н	н	PS
186	Carregies gigantes - Saguaro	18+	10	н	L	5Z
190	Carregies gigantes - Saguaro	3		H	н	PS
191	Carregies gigantes - Saguero	6		L	L	0 T
196	Carregiea gigantea - Saguaro	15		M	н	PS
198	Carregies gigantes - Saguaro	18+	12	M	L	LE
201	Carregiea gigantea - Saguaro	6		н	н	PS
202	Carregiea gigantea - Saguaro	8		M	8.0	MS LE
206	Carregiea gigantea - Saguaro	5		н	н	PS
207	Carregiea gigantea - Saguaro	12		н	н	PS
210	Carregiea gigantea - Saguaro	6		н	н	PS
212	Carregiea gigantea - Saguaro	5		н	н	PS
213	Carregiea gigantea - Saguaro	6		н	н	PS
214	Carregies pigantes - Saguaro	6		н	н	PS
215	Carregiea gigantea - Saguaro	6	-	н	н	PS
217	Carregies gigartes - Saguaro	10		н	н	PS
218	Carregiea gigantea - Saguaro	15	1	н	н	PS
219	Carregies gigantes - Saguaro	6	-	L	L	
221	Carregies gigantes - Saguaro	4		н	н	PS
222	Carregies gigantes - Saguaro	5		н	н	PS
223	Carregiea gigantea - Saguaro	6		н	H	PS
224	Carregies gigantes - Saguaro	4		H	н	PS
225	Carregies gigantes - Saguaro	4		н	н	PS
226	Carregies gigantes - Saguero	8		н	н	PS
236	Carregies gigantes - Saguaro	3		H	н	PS
239	Carregies gigantes - Saguaro	2		н	H	PS
241	Carregies gigantes - Saguaro	18	5	L	L	DY
247	Carregiea gigantea - Saguaro	12		н	H	PS
248	Carregies gigantes - Saguaro	6		н	H	PS
252	Carregiea gigantea - Saguaro	4		н	H	PS
255	Carregies gigartes - Saguaro	8		н	H	PS
258	Camegiea gigartea - Saguaro	2		н	н	PS
260	Carregies gigarites - Saguero	10		н	H	PS
263	Carregies gigartes - Saguaro	18+	12	M	L	LE
265	Carregies gigartes - Saguaro	4		M	H	PS
266	Camegies gigartes - Saguaro	18+		M	1	82

165 Camegies pigartes - Saguero 8 H H PS 166 Camegies pigartes - Saguero 10 H L PROX

271	Carregiea gigartea - Saguaro	4		н	н	PS.		
72	Carregiea gigartea - Saguaro	18+	20+	M	L.	82		
77	Carregies gigartes - Saguero	6		н	H	P3		
80	Carregies gigartes - Saguaro	8		н	H	PS		_
86	Carregies gigartes - Saguaro	8		н	H	PS.		
00	Carregies gigartes - Saguaro	18+	9	L	L	DY		
12	Carregies gigartes - Saguaro	10		L	1	DY		-
13	Carregies gigartes - Saguaro	8		L	L.	DY		_
22	Carregies gigartes - Saguaro	4		н	14	PS		_
23	Carregies gigartes - Saguaro	4		4	L	BT		-
24	Carregiea gigartea - Saguaro	8		н	H	PS	_	-
25	Carregies gigartes - Saguaro	8		1		BT	_	-
27	Carregies gigartes - Seguero	4		н	H	PS	-	-
31	Carregies gigartes - Saguaro	8		H	H	PS	-	-
32	Carregies gigartes - Saguaro	8		H	H	PS	-	-
33	Carregies gigartes - Saguaro	5		H	H	PS	-	-
134		4		1	1	DY	-	-
35	Carregiea gigartea - Saguaro	8		H	H	PS	-	-
36	Carregies gigartes - Saguaro			H	H	PS		-
37	Carregiea gigartea - Saguaro	12		H	H	PS	-	-
38	Carregiea gigartea - Saguaro	8				PS	-	-
	Carregiea gigartea - Saguaro	10		H	H	PS		
39	Carregiea gigartea - Saguaro			H	H		_	
44	Carregiea gigartea - Saguaro	15		H	M	MS	_	-
45	Carregiea gigartea - Saguaro			H	H	PS		-
46	Carregiea gigartea - Saguaro	10		н	H	PS	_	
47	Carregiea gigartea - Saguaro	10	-	н	H	PS	_	_
48	Carregiea gigartea - Saguaro	6		6	- h-	PROX	_	_
49	Carregiea gigartea - Saguaro			M	M	MS		
61	Carregiea gigartea - Saguaro	18+	8	н	- h-		52.	_
52	Carregiea gigartea - Saguaro			н	M	MS		_
53	Carregiea gigartea - Saguaro	6		H.	M	MS	_	_
54	Carregiea gigartea - Saguaro	5		н	н	PS		
55	Carregiea gigartea - Saguaro	10		н	H	PS	_	_
59	Carregiea gigartea - Saguaro			н	н	P5		
62	Carregies gigartes - Saguero	18+	8	н	- L	52 1	5Z.,	
63	Carregies gigartes - Seguero	10		н	н	PS		
64	Carregies gigartes - Saguaro	5		H	- L	PRO.	MS.	
65	Carregiea gigartea - Saguero	6		н	H	PS I		
68	Carregiea gigartea - Saguaro	12		н	14	PS		
69	Carregies gigartes - Saguaro	12		н	14	PS.		
70	Carregies gigartes - Saguaro	4		н	14	PS		
72	Carregiea gigartea - Saguaro	18+	3	н	H	PS		
75	Carregies gigartes - Saguaro	18+	1	м	L	5Z (52	BT
76	Carregies gigartes - Saguaro	10		н	H	PS	-	
77	Carregies gigartes - Saguaro	6		н	14	PS	_	-
78	Carriegiea gigartea - Saguaro	3		н	H	PS	-	-

Drawn by:

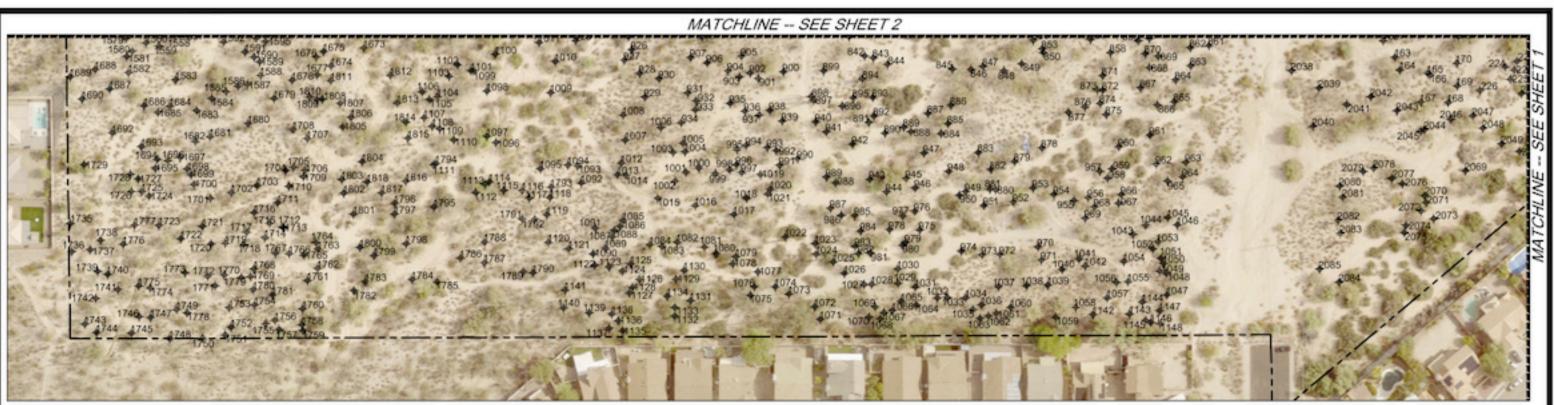
Checked by:

35974 S. Desert Sun Drive Tucson, AZ 85739 (520) 909-4678

gregs@grslandscapearchitects.com

GRS

GRS







North





4/9/21 Construction Do LMW IS Agency Submitted Construction Set GRS IN Not for Construct

SAGUARO & IRONWOOD INVENTORY

sheet 3 of 9

180	Carregiea gigantea - Saguero	6		н	н	PS	
81	Carregies gigartes - Saguero	6		н	н	PS	-
12	Carregies gigartes - Saguero	8		н	H	PS	-
13		8		н	H	PS	-
15	Camegies pigertes - Saguero	6		н	н	PS	-
16	Camegiea gigartea - Saguaro	6		н	H	PS	-
17	Camegies gigartes - Saguaro	6		н	H	PS	-
18	Carregiaa gigartea - Saguaro	6		н	H	PS	
10	Camegiea gigantea - Saguero	10		н	H	PS	
90	Carregiea gigartea - Saguaro	8		н	H	PS	-
	Carregiea gigartea - Saguaro	8		н	H	PS	
91 94	Camegiea gigartea - Saguaro	15		н	H	PS	
63	Carregiea gigartea - Saguaro	8		н	H	PS	-
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04 05	Carregiea gigartea - Saguaro	15	1	H	H	PS	100.0
09 06	Carregiea gigartea - Saguaro	10	1		H	PS	-
	Carregiea gigartea - Saguaro	15	-	H		_	-
17 08	Camegiea gigantea - Saguaro	10		H	H	P5 P5	-
14	Carregies gigartes - Saguaro		_		H	PS	-
15	Carregiea gigartea - Saguaro	6		H	_	PS	-
7	Camegiea gigartea - Saguaro	12		H	H		-
	Carregies gigartes - Saguaro	15		H	H	PS	
9	Carregies gigartes - Saguaro	6		H	H	PS	-
1	Carregies gigartes - Saguaro	15	_	H	H	P5	
5	Carregiea gigartea - Saguaro	4		H	H	P5	
5	Carregies gigartes - Saguaro	6		H	H	P5	-
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5	Carnegiea gigantea - Saguero	6		н	н	PS	-
8	Carregiea gigantea - Saguero	6		H	н	P5	<u> </u>
1	Carregies gigartes - Saguaro	8	-		-	DY	-
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12	Carregies gigartes - Saguaro	4	-	H	н	PS	-
13_	Carregies gigartes - Saguaro	15	4	M	M	MS	-
5	Carregies gigartes - Saguero	8	-	н	н	PS	-
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٤.,	Carregiea gigantea - Saguaro	15		H	н	PS.	

	TUS INVENTORY			VABLIT	Y	and the second state
NÖ	DESCRIPTION	5428	ARMS		TRANS	COMMENTS
17	Carregiea gigantea - Saguaro	15	-	н	н	PS
18	Carregiea gigantea - Saguaro	15	1	н	н	PS
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	Carregies gigarles - Saguaro	4	-	H	H	PS
13	Carregiea gigantea - Saguaro		-			
14	Carregiea gigantea - Saguaro	6		H	H	PS
15	Carregiea gigantea - Saguaro	5		н	н	PS
18	Carregiea gigantea - Saguaro	15	- 4	H	H	PS
20	Carregiea gigantea - Saguaro	12		L.	6	DY
21	Carregiea gigantea - Saguaro	6		н	н	PS
12	Carregiea gigartea - Saguaro	18+	5	н	L	52
		4		н	н	PS
14	Carregiea gigantea - Saguaro					
25	Carregiea gigantea - Saguaro	8		н	н	PS
26	Carregiea gigantea - Saguaro	18+	8	M	6	BT
27	Carregiea gigantea - Saguaro	10		н	H	PS
28	Carregiea gigantea - Saguaro	18+	10	L.	L	SZ SZ LE
13	Carregiea gigantea - Saguaro	15	1	н	н	PS
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<u>H_</u>	Carregiea gigantea - Saguaro	10		н	н	
15	Carregiea gigantea - Saguaro	8		- h-	<u> </u>	RT
м.,	Carregiea gigantea - Saguaro	12	<u> </u>	н	H	PS
12	Carregiea gigantea - Saguaro	15		н	M	MS SL
63	Carnegiea gigantea - Saguaro	15	1	H	M	MS SL
4	Carregiea gigantea - Saguaro	6		н	M	MS PROX
6	Carregiea gigantea - Saguaro	10		н	н	PS
7	Carregiea gigantea - Saguaro	8		н	H	PS
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<u>0</u>	Carregiea gigantea - Saguaro	12		н	н	PS
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12	Carregiea gigantea - Saguero	6		н	н	PS
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<u>18</u>	Carregiea gigantea - Saguaro	10		н	н	PS
12	Carregiea gigantea - Seguaro	18+	9		<u> </u>	DY 5Z 5Z
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15	Carregiea gigantea - Saguaro	18+	8	L	L	DY LE
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ŧ.,	Carregiea gigantea - Saguaro	12		н	н	PS
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ş.,		15	_	H	H	PS
7	Carregiea gigantea - Saguaro		_	4		PS
٩.,	Carregiea gigantea - Saguaro	12		н	H	
29	Carregiea gigantea - Saguaro	15		н	н	PS
50	Carregiea gigantea - Saguaro	12		H	11	PS
11	Carregiea gigantea - Saguaro	15		H	H	PS
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			-		2	A COLOR OF THE REAL PROPERTY O
17	Carregiea gigantea - Saguaro	12		н	н	PS
40	Carregiea gigantea - Saguaro	4		н	н	PS
11	Carregiea gigantea - Saguaro	8		H	н	PS
14	Carregiea gigantea - Saguaro	12		H	H	PS
15	Carregiea gigantea - Saguero	10	3	6	L	87
4	Carregiea gigantea - Saguaro	18+	6	M		SZ SZ
				M	M	MS
19	Carregiea gigantea - Saguaro	8	-	M		
<u>اه</u>	Carregiea gigantea - Saguaro	4	_		- h-	MS
55	Carregiea gigantea - Saguaro	6		H	H	PS :
56	Carregies gigantes - Saguaro	15		H	H	PS
10	Carregiea gigantea - Saguaro	18+	12	L.	L	BT
70		6		H		PS
71	Camegiea gigantea - Saguaro	18+		M	H	
	Carregiea gigantea - Saguaro		9	4	-	52 52
12	Carregies gigantes - Saguaro	18+	3	M	1	52 52
4	Carregiea gigantea - Saguaro	4		H	н	PS
5	Carregiea gigantea - Saguaro	4		H	н	PS
6	Carregiea gigantea - Saguaro	10		L.	L.	PROK
8	Carregiea gigartea - Saguaro	18+	3	M	L	SL
÷		18+	4	H	1	SL 52 52
<u>8</u> -	Camegiea gigantea - Saguaro	18+	6	M	H	20. 24
	Carregiea gigarlea - Saguaro			-		ew.
<u>ŧ</u>	Carregiea gigantea - Saguaro	10	4	- h-	<u> </u>	DY O
ł.,	Carregiea gigantea - Saguaro	15	2	н	н	PS
E	Carregiea gigantea - Saguaro	12		н	н	PS
9	Carregiea gigantea - Saguero	15		L	L	PROK
0	Carregiea gigantea - Saguaro	12	-	H	H	PS
1			_		1	0T
	Carregiea gigantea - Saguero	8	-	<u> </u>		and a
2	Carregiea gigantea - Saguaro	12	-	н	H	PS
3	Carregiea gigantea - Saguaro	8	_	н	н	PS
4	Carregiea gigantea - Saguaro	12		H	M	MS PROX
6	Carregiea gigantea - Saguaro	10		н	M	MS 52
i-		18+	4	M	_	
-	Carregies gigartes - Saguaro				5	
<u>ę</u>	Carregiea gigantea - Saguaro	15	5	н	H	PS
2	Carregiea gigantea - Saguaro	8		н	н	PS
4	Carregiea gigantea - Saguaro	8		н	н	PS
-	Carregies gigarles - Saguaro	6		н	н	PS
1		15	_	н		PRO MS
	Carregiea gigantea - Saguaro		-			
۴.,	Carregiea gigantea - Saguaro	15	_	M	<u> </u>	RT
4	Carregiea gigantea - Saguaro	4	_	L.	6	
45	Carregiea gigantea - Saguaro	- 6		H	н	PS
8	Carregiea gigantea - Saguaro	6		H	H	PS
3		8	_	H	H	PS PROX
1	Carregiea gigantea - Saguaro		-			PS PHOX
10	Carregiea gigantea - Saguaro	4	-	H	H	
13	Carregiea gigantea - Saguaro	4	_	н	н	PS
56	Carregiea gigantea - Saguaro	4		H	н	PS
	Carregiea gigantea - Saguaro	6		H	H	PS
17		10				RT
		1.00	-	M		MS
1	Carregiea gigartea - Saguaro					1997.00
3	Carregiea gigantea - Saguaro	8	-		-	
1	Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro	. 8		н	н	PS
1	Carregiea gigantea - Saguaro					

786	Carregies gigartes - Saguaro	15	-	M	M	MS
80		18+	6	H	_	5Z 5Z
R2	Carregies gigartes - Saguero		- 6			
	Carregies pigartes - Saguero	18+		H		5Z 5Z
97	Carregies gigartes - Saguero	3	_	н	H	P5
98	Carregiea gigantea - Saguaro	8		H	M	MS SL
00	Carregiea gigantea - Saguaro	6		H	н	PS
0.2	Carregiea gigantea - Saguaro	5	1.1.1	H	H	PS
0.3	Carregiea gigartea - Saguaro	6		H	н	PS
04		4	-		H	PS
	Carregiea gigartea - Saguaro			н	m	
05	Carregiea gigartea - Saguaro	18+	7	1	1	8T
08	Carregiea gigartea - Saguaro	5	-	н	н	PS
09	Carregiea gigartea - Saguero	6		H	L	54
10	Carregiea gigartea - Saguaro	8		L	L	SL PROK
14		6		н	H	PS
	Carregiea gigartea - Saguero					
16	Carregiea gigartea - Saguero	15	_	н	M	MS
17	Carregiea gigartea - Saguaro	15	3	M	6	PRO SL
19	Carregiea gigantea - Saguero	6		H	н	PS
121	Carregiea gigaritea - Saguero	18+	6	H	L	5Z 5Z
						RT
22	Carregiea gigartea - Saguero	15	2	6	-	
30	Carregiea gigartea - Saguaro	10+	12	M	6	LE SZ SZ
36	Carregiea gigartea - Saguaro	10		H	M	MS SL
37	Carregiea gigartea - Saguaro	8		н	M	MS 54
68		15	2	H	H	PS
	Carregiea gigartea - Saguaro		-			PS
73	Carregiea gigartea - Saguaro	6	-	н	H	
94	Carregiea gigartea - Saguaro	18+	. 8	6	6	8T 5Z
97	Carregiea gigantea - Saguaro	18+	3	M	L	8Z 8Z
98	Carregiea gigantea - Saguaro	18+	3	н	1	52 52
04		8		н	14	PS
	Carregiea gigaritea - Saguero				H	
05	Carregiea gigartea - Saguero	12	-			RT
08	Carregiea gigartea - Saguaro	18+		L	L	87
10	Carregiea gigantea - Saguaro	8		н	н	PS
14	Carregiea gigantea - Saguaro	6		H	н	PS
18					1	RT
	Carregiea gigartea - Saguaro	15	1	L .	-	
20	Carregiea gigartea - Saguaro	15		M	M	PRO MS
34	Carregiea gigantea - Saguaro	18+	5	н	L	5Z 5Z
H5	Carregiea gigantea - Saguaro	10		L	L.	LE
152	Carregiea gigartea - Saguaro	18+	9	L	1	5Z 5Z
			-			PS P5
66	Carregiea gigartea - Saguaro	6		H	H	
62	Carregiea gigaritea - Saguaro	8	_	н	н	PS
64	Carregiea gigartea - Saguaro	6		н	н	PS
68	Carregiea gigantea - Saguaro	4		н	н	P3
71	Camenica ninartea - Sanuari	12		н	н	P3
	Carregiea gigartea - Saguaro					PS
92	Carregies gigarites - Saguaro	10	_	н	н	
73	Carregiea gigartea - Saguaro	6	-	н	M	MS PROK
76	Carregies gigarites - Saguero	18+	16	н	L	5Z 5Z
90	Carregies gigartes - Saguero	6		H	н	PS
95	Carregiea gigartea - Saguaro	6	-	H	H	PS
97	Carregiea gigartea - Saguero	6	-	н	н	PS
98	Carregiea gigantea - Saguaro	6		H	н	PS
002	Carregiea gigartea - Saguaro	10	-	H	L	54
003		18	3	H	L	SZ
	Carregiea gigartea - Saguaro		-			
013	Carregiea gigantea - Saguaro	8		L.		8T
014	Carregiea gigartea - Saguaro	18	-4	M	6	54
015	Carregiea gigartea - Saguaro	6		н	M	SL MS
016	Carregiea gigartea - Saguaro	4		н	5.5	SL MS
019		15		H	н	PS
	Carregiea gigartea - Saguaro		2			
020	Carregies gigartes - Saguars	15	-	н	н	9%
021	Carregiea gigantea - Saguaro	8		н	н	PS
022	Carregiea gigantea - Saguaro	15	9	н	н	PS
0.24	Carregies gigartes - Saguaro	15		н	H	PS
			-			
035	Carregiea gigartea - Saguero	8		н	н	PS
044	Carregiea gigantea - Saguaro	6		1	6	0T
1049	Carregiea gigartea - Saguaro	8		H	н	PS
050	Carregiea gigantea - Saguaro	18	1	H	M.	MS SZ
053	Carregiea gigartea - Saguaro	8	-	H	н	PS
055		6		H	H	PS
	Carregiea gigartea - Saguaro					
057	Carregiea gigartea - Saguaro	8	_	H	н	PS
058	Carregiea gigartea - Saguaro	8		н	н	PS
061	Carregiea gigartea - Saguaro	5		н	н	PS
069		10	3		-	BT
	Carregiea gigartea - Saguero			5	-	PS
070	Carregies gigartes - Saguero	8		н	н	
081	Carregiea gigartea - Saguaro	15	-	н	н	PS
083	Carregies gigartes - Saguero	10		н	н	PS
084	Carregiea gigartea - Saguaro	10		н	н	PS
088			-	H	H	PS
	Carregiea gigartea - Saguaro	10	-			
	Carregiea gigartea - Saguaro	10	-	н	н	PS
089	Carregiea gigartea - Saguaro	6	-	H	н	PS .
089		18+	5	H	L	SZ
089	Carriegies olgantes - Saouaro	18+	5	H		SZ
089 093 104	Carregies gigartes - Saguaro	101			-	
089 093 104 105	Carregiea pigartea - Saguaro	4.0	3	6	6	RT LE
089 093 104 105 107		18+	14	H	L	52 52
089 093 104 105 107	Carregiea pigartea - Saguaro	18+			н	P3
1089 1093 104 105 1107 1111	Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro	18+		H		
1089 1093 104 105 1107 1111 1116	Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro	18+	1	H		25
1089 1093 1104 1105 1107 1111 1116 1120	Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro	18+ 12 6		н	н	PS
1089 1093 1104 1105 1107 1111 1116 1120 1121	Carregiea pigantea - Saguaro Carregiea pigantea - Saguaro	18+ 12 6 6		н	н	PS
1089 1093 1104 1105 1107 1111 1116 1120 1121 1124	Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro	18+ 12 6 6		н	H H H	PS
1089 1093 1104 1105 1107 1111 1116 1120 1121 1124 1125	Carregies pigartes - Saguero Carregies pigartes - Saguero Carregies gigartes - Saguero	18+ 12 6 6		н	н	PS PS PS
089 093 104 105 1107 1111 116 120 121 124 125	Carregiea pigantea - Saguaro Carregiea pigantea - Saguaro	18+ 12 6 6 6		H H H	H H H	PS PS PS
089 093 104 105 107 111 116 120 121 124 125 126	Carregies pigantes - Saguero Carregies pigantes - Saguero	18+ 12 6 6 6 8		x x x x	TITI	PS PS PS
089 093 104 105 107 111 116 120 121 124 125 126 127	Carregies pigartes - Saguero Carregies pigartes - Saguero Carregies gigartes - Saguero Carregies pigartes - Saguero Carregies pigartes - Saguero Carregies gigartes - Saguero	18+ 12 6 6 6 6 8 10		X X X X X	****	P5 P5 P5 P5 P5
089 093 104 105 107 111 116 120 121 124 125 126 127 129	Carregies pigartes - Saguero Carregies gigartes - Saguero	18+ 12 6 6 6 8 10 8	1	R R R R R R		PS PS PS PS PS
089 093 104 105 107 111 116 120 121 124 125 126	Carregies pigartes - Saguero Carregies pigartes - Saguero Carregies gigartes - Saguero Carregies pigartes - Saguero Carregies pigartes - Saguero Carregies gigartes - Saguero	18+ 12 6 6 6 6 8 10		X X X X X	****	P5 P5 P5 P5 P5

1145	Carregiea gigantea - Saguaro	8		н	H PS
148	Carregies gigartes - Saguero	18+	16	н	H PS SZ SZ
49	Carregies gigantes - Saguaro	10		G	PS
51	Carregiea gigantea - Saguaro	10		G	PS
152	Carregiea gigantea - Saguaro	6		G	PS
153	Carregiea gigantea - Saguaro	8	-	a	PS
156	Carregies gigartes - Saguaro	12		a	PS
157		18+	3	G	PS SZ
158	Carregies gigartea - Saguero	6			P8
	Carregiea gigartea - Saguaro			0	
159	Carregiea gigartea - Saguero	10		0	P5
162	Carregiea gigantea - Saguero	10		a	PS
163	Carregiea gigantea - Saguero	6	_	G	PS
164	Carregies gigartes - Saguero	18+	10	P	SZ SZ LE
166	Carregies gigartes - Saguero	10		G	PS
167	Carregiea gigartea - Saguaro	6		G	PS
168	Carregies gigantes - Saguaro	8		G	PS
170	Carnegiea gigantea - Saguaro	18+		F	5Z 5Z LE
1171	Carregies gigarites - Saguaro	2		G	PS
173	Carregiea gigantea - Saguaro	15	3	G	MS SZ
174		8		0	PS
175	Carregiea gigantea - Saguaro	10		P	8T
	Carregies gigartea - Saguaro				
177	Carregiea gigartea - Saguaro	18	2	0	52
178	Carregiea gigartea - Saguero	10	_	9	PS
179	Carregiea gigartea - Saguero	8	-	G	PS
183	Carregies gigantes - Saguero	8		G	PS
184	Carregies gigantes - Saguero	8		G	PS
187	Carregies gigartes - Saguero	8		G	PS
190	Carregiea gigantea - Saguaro	4		G	PS
191		12		G	PS
192	Carregies gigartes - Saguero		-		PS
	Carregies gigartes - Saguaro	6	-	G P	
195	Carregies gigantes - Saguaro	4			RT
197	Carregiea gigantea - Saguaro	15		P	RT
198	Carriegiea gigartea - Saguaro	3	_	0	PS
199	Carregiea gigartea - Saguaro	6	_	a	PS
200	Carregiea gigantea - Saguero	6		. Q	PS
201	Carregiea gigantea - Saguaro	6		a.	PS
203	Carregies gigartes - Saguero	8		G	PS
204	Carregies gigartes - Saguero	8	-	G	PS
206	Carregiea gigantea - Saguaro	18	3	G	SZ
			-		PS
208	Carregies gigartes - Saguero	6		G	PS
211	Carregies gigartes - Saguero	6	_	G	
213	Carregies gigantes - Saguero	6	_	G	PS
216	Carregiea gigantea - Saguaro	6		G	PS
217	Carregiea gigaritea - Saguaro	18	5	Ġ	5Z
218	Carregiea gigantea - Saguaro	8		a	
220	Carregiea gigantea - Saguero	12	2	F	MS
223	Carregiea gigartea - Saguaro	8		0	PS
225		10		a	PS
	Carregies gigartes - Saguero		-		PS
230	Carregiea gigantea - Saguaro	8	-	0	
231	Carregies gigantea - Saguaro	8	_	G	PS
232	Carregiea gigantea - Saguero	10	_	G	PS
234	Carregiea gigartea - Saguaro	6	_	G	PS
238	Carregies gigantes - Saguero	8		G	PS
240	Carregiea gigantea - Saguero	6		G	PS PS
241	Carregies gigantes - Saguero	10		G	PS
245	Carregiea gigantea - Saguaro	8		G	PS
246	Carregiea gigantea - Saguaro	10	_	G	PS
			_		PS
248	Carregiea gigantea - Saguaro	15		9	
249	Carregiea gigartea - Saguaro	18+	8	F	52
251	Carregiea gigartea - Saguaro	10	-	0	PS
253	Carregies gigartea - Saguaro	15	1	0	PS .
254	Carregiea gigantea - Saguero	5		P	RT
256	Carregiea gigantea - Saguero	15		G	PS
258	Carregies gigantes - Saguero	10		G	PS
261	Carregies gigartes - Saguero	6		G	PS
262		6		G	PS
	Carregies gigartes - Saguero	4			PS
264	Carregies gigantes - Saguaro		-	G	
265	Carregiea gigantea - Saguaro	6	_	F	RT
269	Carregies gigantes - Saguero	6		G	PS
270	Carregiea gigartea - Saguero	10	_	G	PS
271	Carregiea gigantea - Saguaro	12		G	PS
275	Carregiea gigantea - Saguaro	18+	1	a	52
276	Carregiea gigartea - Saguaro	15		a	MS
278		6		a	PS
	Carregiea gigartea - Saguaro		-		
279	Carregiea gigartea - Saguaro	8	_	0	P5
280	Carregiea gigartea - Saguaro	10		G	PS
281	Carregiea gigartea - Saguero	- 18	2	G	5Z
282	Carregiea gigantea - Saguaro	8		G	
284	Carregiea gigantea - Saguaro	12		G	PS
288	Carregiea gigantea - Saguaro	18+	12	F	SZ SZ BT
289		6		G	PS PS
	Carregies gigartes - Saguero		_		PS
290	Carregiea gigantea - Saguaro	6	_	G	
292	Carregiea gigartea - Saguaro	6	-	G	PS
293	Carregiea gigaritea - Saguaro	6	-	G	PS
1295	Carregiea gigantea - Saguaro	12		0	PS
296	Carregiea gigantea - Saguaro	6		0	PS
297	Carregiea gigantea - Saguaro	10		4	PS
		15	_	G	PS
298	Carregiea gigantea - Saguero Carregiea gigantea - Saguero		-		PS
299	Carregies gigartes - Saguaro	4	_	G	PS
				G	125
300 301	Carregies gigartes - Saguero Carregies gigartes - Saguero	8	14		SZ SZ LE



GRS	35974 S. Desert Sun Drive Tucson, AZ 85739
	(520) 909-4678
ADMITECTION	gregs@grslandscapearchiter

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1307	Carregiea gigartea - Saguaro	4		G	PS
1309	Carregiea gigartea - Saguero	12		G	PS .
1310		10		0	PS
	Carregies gigartes - Saguaro				
1313	Carregiea gigartea - Saguaro	18+	14	P	5Z 5Z BT
1314	Carregiea gigartea - Saguaro	18	2	G	5Z
1315	Carregiea gigantea - Saguero	18+	6	G	52 52
1317		8		G	PS
	Carregiea gigantea - Saguaro				
1318	Carregiea gigartea - Saguaro	6		0	PS
1320	Carregiea gigartea - Saguaro	6		G	P5
1324	Carregiea pigartea - Saguaro	18+	10	F	52 52
1325	Carregiea gigartea - Saguaro	10	_	G	PS
1327	Carregiea gigartea - Saguaro	10		G	PS
1328	Carregiea gigartea - Saguero	10		G	PS
1329		10		G	P-5
	Carregies gigartea - Saguaro				PS
1330	Carregies gigartes - Saguero	12	2	G	
1337	Carregiea gigartea - Saguero	18	5	G	5Z
1341	Carregiea gigartea - Saguero	8		G	PS
1343		6		G	PS
	Carregiea gigartea - Saguaro				
1344	Carregiea gigartea - Saguaro	15	_	G	PS
1345	Carregiea gigartea - Saguero	6		G	PS
1347	Carregiea gigartea - Saguaro	. 8		G	PS
1348					PS
	Carregiea gigartea - Saguero	8		G	
1351	Carregiea gigantea - Saguaro	6	1	F	MS BT
1353	Carregiea gigartea - Saguaro	18+	-4	G	52 52
1354		4	4	0	
	Carregies gigartes - Saguero				PS
1356	Carregiea gigartea - Saguaro	8		G	
1359	Carregiea gigartea - Saguaro	58+	6	G	52 52
1360	Carregiea gigartea - Saguero	- 4		G	PS
1361		18+	5	G	5.Z
	Carregies gigartea - Saguaro				
1362	Carregiea gigartea - Saguaro	. 8		G	P5
1363	Carregiea gigartea - Saguaro	12		G	PS
1364	Carregiea gigartea - Saguaro	10		G	PS
1365		8		G	PS
	Carregiea gigartea - Saguaro		1		
1368	Carregiea gigartea - Saguaro	15	4	G	PS
1372	Carregiea gigartea - Saguaro	- 4		G	PS
1373	Carregiea gigantea - Saguaro	18+	1	P	SZ LE BT
1374		6	-	G	P5
	Carregiea gigartea - Saguaro				- F 8
1375	Carregiea gigartea - Saguaro	. 6		6	PS
1378	Carregiea gigartea - Saguero	8		0	PS
1379	Carregiea gigartea - Saguaro	15	3	G	PS .
			-		P3
1382	Carregiea gigartea - Saguaro	6		G	
1385	Carregiea gigartea - Saguero	6		G	PS
1386	Carregies gigartes - Saguero	18+	8	G	52 52 LE
1387	Carregiea gigartea - Saguero	12	8	G	PS
1388	Carregiea gigartea - Saguaro	15	4	P	PRO.BT
1390	Carregiea gigartea - Saguaro	8	1	P	BT I
1392	Carregiea gigartea - Saguaro	8		G	PS
1393		10			PS
	Carregiea gigartea - Saguero		-	G	
1395	Carregiea gigartea - Saguaro	18	4	F	52
1396	Carregiea gigartea - Saguaro	18	1	F	5Z 5Z
1398	Carregiea gigartea - Saguaro	6		G	PS
1399					PS
	Carregiea gigartea - Saguaro	8		G	
1401	Carregiea gigartea - Saguaro	10	_	0	PS
1402	Carregiea gigartea - Saguaro		1.000	6	PS
1403	Carregiea gigartea - Saguero	15	2	0	PS
			-		
1404	Carregiea gigartea - Saguero	18+		0	52 52
1408	Carregiea gigartea - Saguero	8		G	PS
1409	Carregies gigartes - Saguaro	10		G	PS
1410	Carregiea gigartea - Saguero	10			
	the same and the second of				P5
1415	Comparing players, frances			G	PS
4.040	Carregies gigartes - Saguero	4		G	PS
1416	Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro	4	1	GGG	125 5Z
1416	Carregiea gigartea - Saguaro	4	1	G	245 52 245
	Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro	4	1	GGG	125 5Z
1420	Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro	4 18 4 6	-	0 0 0 0 0	PS 52 PS PS
1420 1422 1424	Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro Carregiea gigartea - Saguaro	4 18 4 6 18+	7	0 0 0 0 F	13 52 15 15 52 52 52
1420 1422 1424 1430	Camegiea gigantea - Saguaro Camegiea gigantea - Saguaro Camegiea gigantea - Saguaro Camegiea gigantea - Saguaro Camegiea gigantea - Saguaro	4 18 4 6 18+ 18	-	0000 + +	PS SZ PS PS SZ SZ SZ
1420 1422 1424 1430 1431	Camegiea gigartea - Saguero Camegiea gigartea - Saguero	4 18 4 6 18+ 18 6	7	G G G F F G	P5 52 P5 P5 52 52 52 52 P5 P5
1420 1422 1424 1430	Camegiea gigartea - Saguero Camegiea gigartea - Saguero	4 18 4 6 18+ 18	7	0000 + +	P5 52 P5 P5 52 52 52 52 P5 P5
1420 1422 1424 1430 1431 1435	Camegiea pigantea - Saguero Camegiea pigantea - Saguero Camegiea gigantea - Saguero	4 15 4 6 18+ 18 58+	7	C C C C C C C C C C C C C C C C C C C	PS PS PS SZ SZ SZ SZ PS SZ SZ
1420 1422 1424 1430 1431 1435 1438	Carregies pigartes - Seguero Carregies pigartes - Seguero	4 15 4 5 15 15 15 6 15 8	7	C C C C F F C F C	時 好 月5 月5 月5 月5 月5 月5 月5 月5 月5 月5
1420 1422 1424 1430 1431 1435 1435 1438 1442	Carregies pigartes - Saguero Carregies pigartes - Saguero Carregies gigartes - Saguero	4 18 4 55+ 18 55+ 8 8 8	7	0000 = = 0000	PS SZ PS PS SZ SZ PS PS SZ PS
1420 1422 1424 1430 1431 1435 1438	Carregies pigartes - Seguero Carregies pigartes - Seguero	4 15 4 5 15 15 15 6 15 8	7	C C C C F F C F C	P5 92 P5 P5 P5 P5 P5 95 95 95 95 95 95 95 95 95 95 95 95 95
1420 1422 1424 1430 1431 1435 1435 1438 1442	Camegiea pigantea - Saguero Camegiea pigantea - Saguero Camegiea pigantea - Saguero Camegiea pigantea - Saguero Camegiea gigantea - Saguero	4 18 18 18 18 6 18 8 8 8 8 6	7	0000 + + 00000	P5 S2 P5 P5 S2 S2 P5 S2 P5
1420 1422 1424 1430 1431 1435 1438 1443 1443 1445	Carnegies pigartes - Seguero Carnegies gigartes - Seguero	4 18 4 6 18+ 18 6 18+ 8 8 8 8 5	7	0000 = = 0 = 0000	P5 S2 P5 P5 S2 S2 P5 S2 P5
1420 1422 1424 1430 1431 1435 1438 1442 1443 1445 1446	Carregies pigartes - Seguero Carregies gigartes - Seguero	4 18 4 6 18+ 18 8 8 8 8 5 10	7	00000110	P5 95 P5 P5 95
1420 1422 1424 1430 1431 1435 1438 1443 1443 1445 1445 1448	Carnegies pigartes - Seguero Carnegies gigartes - Seguero	4 18 4 6 18+ 18 6 18+ 8 8 8 6 5 10 12	7	G G G G G G G G G G G G G G G G G G G	
1420 1422 1424 1430 1431 1435 1438 1442 1443 1445 1446	Carregies pigartes - Seguero Carregies gigartes - Seguero	4 18 4 6 18+ 18 8 8 8 8 5 10	7	00000110	P5 95 P5 P5 95
1420 1422 1424 1424 1430 1431 1435 1443 1442 1445 1445 1446 1448 1449	Carnegies pigartes - Seguero Carnegies gigartes - Seguero	4 18 4 6 18 6 18 8 8 6 5 10 12 12	7	G G G G G G G G G G G G G G G G G G G	HS SZ HS SZ SZ MS SZ MS SZ MS SZ MS
1420 1422 1424 1430 1431 1435 1438 1442 1443 1445 1448 1448 1448 1449	Carregies pigartes - Seguero Carregies pigartes - Seguero	4 18 4 6 18 6 18 8 8 8 6 5 10 112 12 8	7		PS SZ PS PS SZ SZ PS PS
1420 1422 1424 1430 1431 1435 1438 1442 1443 1445 1448 1448 1448 1449 1450 1451	Camegies pigantes - Seguero Camegies gigantes - Seguero	4 18 4 6 18 8 8 8 6 5 10 12 12 8 8	7		PS SZ PS PS SZ SZ SZ PS PS
1420 1422 1424 1430 1431 1435 1438 1442 1443 1444 1445 1448 1448 1448 1449 1450 1451	Carnegies pigartes - Seguero Carnegies gigartes - Seguero	4 18 4 6 19 18 6 19 8 8 8 6 5 10 12 12 8 8 6 6 8	7		PS SZ PS PS SZ SZ PS SZ PS SZ PS
1420 1422 1424 1430 1431 1435 1438 1442 1443 1445 1448 1448 1448 1449 1450 1451	Carnegies pigartes - Seguero Carnegies gigartes - Seguero	4 18 4 6 18 8 8 8 6 5 10 12 12 8 8	7		PS SZ PS PS SZ SZ PS SZ PS SZ PS
1420 1422 1424 1430 1431 1435 1438 1442 1443 1445 1445 1445 1445 1445 1445 1445	Carregies pigartes - Seguero Carregies gigartes - Seguero	4 18 4 18 6 18 6 5 10 12 2 8 6 6 10	7		PS SZ PS PS SZ SZ PS
1420 1422 1424 1424 1430 1431 1435 1443 1445 1445 1445 1445 1445	Camegies pigantes - Seguero Camegies gigantes - Seguero	4 18 4 6 58+ 18 6 5 10 10 12 8 6 6 6 10 4	7		PS SZ PS PS SZ SZ PS SZ PS
1420 1422 1424 1430 1431 1435 1443 1445 1445 1445 1445 1445	Camegies pigantes - Seguero Camegies gigantes - Seguero	4 18 4 6 18 18 6 5 10 12 12 8 8 6 5 10 12 12 8 8 6 5 10 12 12 8 8 6 5 10 12 12 10 10 10 10 10 10 10 10 10 10 10 10 10	7 5 7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PS SZ PS PS SZ SZ SZ PS
1420 1422 1424 1424 1430 1431 1435 1443 1445 1445 1445 1445 1445	Camegies pigantes - Seguero Camegies gigantes - Seguero	4 18 4 6 58+ 18 6 5 10 10 12 8 6 6 6 10 4	7 5 7 7		PS SZ PS PS SZ SZ PS SZ PS
1420 1422 1424 1430 1431 1435 1443 1445 1445 1445 1445 1445	Carregies pigartes - Seguero Carregies gigartes - Seguero	4 18 4 6 58+ 18 8 8 6 5 10 12 12 8 6 6 10 4 10 4 10 18+	7 5 7 7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PS SZ PS PS SZ SZ SZ PS
1420 1422 1424 1424 1431 1435 1438 1442 1445 1445 1446 1445 1446 1451 1454 1455 1456 1456	Camegies pigantes - Seguero Camegies gigantes - Seguero	4 18 4 6 58+ 18 6 5 10 12 12 8 8 6 6 10 4 10 18+ 15	7 5 7		P5 SZ P5 P5 SZ SZ P5 SZ P5 P5
1420 1422 1424 1424 1431 1435 1438 1445 1445 1445 1445 1445 1445 1454 1455 1454 1455 1456 1455 1455	Camegiea pigantea - Saguaro Camegiea gigantea - Saguaro	4 18 4 6 18 6 5 10 12 12 8 6 6 10 10 10 18 18 18 18 18 18 18 18 18 18	7 5 7 7		PS SZ PS PS SZ SZ SZ PS
1420 1422 1422 1423 1430 1431 1435 1435 1445 1445 1445 1445 1446 1449 1456 1456 1456 1456 1456 1456 1465 1465	Carnegies gigarties - Seguero Carnegies gigarties - Seguero	4 18 4 6 8 8 8 8 6 5 10 10 12 8 8 6 5 10 10 12 8 8 6 5 10 10 14 15 4 10 14 15 10 10 14 15 10 10 10 10 10 10 10 10 10 10 10 10 10	7 5 7 4 3		PS PS PS PS SZ PS PS
1420 1422 1424 1424 1431 1435 1438 1445 1445 1445 1445 1445 1456 1456 1456	Camegiea pigantea - Saguaro Camegiea gigantea - Saguaro	4 18 4 6 18 6 5 10 12 12 8 6 6 10 10 10 18 18 18 18 18 18 18 18 18 18	7 5 7 7		PS SZ PS PS SZ SZ SZ PS
1420 1422 1422 1423 1430 1431 1435 1445 1445 1445 1445 1445 1445	Camegies pigantes - Seguero Camegies gigantes - Seguero	4 10 4 6 10 4 6 10 10 10 10 10 10 10 10 10 10	7 5 7 4 3		PS PS PS PS PS SZ SZ PS PS
1420 1422 1424 1420 1430 1430 1430 1443 1445 1445 1445 1445 1445 1445 1445	Camegies pigantes - Seguero Camegies gigantes - Seguero	4 18 4 6 18 8 8 8 8 8 8 8 8 8 8 8 8 8 8	7 5 7 4 3		PS PS PS PS PS SZ SZ PS PS
1420 1422 1424 1420 1430 1430 1443 1445 1445 1445 1445 1445 1445 1445	Camegies pigarties - Seguero Camegies gigarties - Seguero	4 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8	7 7 4 3	0 0 0 0 F F 0 F 0 0 0 0 F F 0 0 0 0 0 0	PS SZ PS PS SZ SZ SZ PS PS
1420 1422 1424 1430 1430 1430 1435 1436 1442 1443 1445 1445 1445 1445 1445 1445 1445	Camegies pigantes - Seguero Camegies gigantes - Seguero	4 18 4 6 18 8 8 8 8 8 8 8 8 8 8 8 8 8 8	7 7 4 3		PS PS PS PS PS SZ SZ PS PS

CORTARO 57 SPECIFIC PLAN



sheet 4 of 9

NO.	US INVENTORY			VIABILITY	
	DESCRIPTION	5428	ARMS	-	BANS COMMENT
77	Carregiea gigantea - Saguero	18+	4	F	5Z 5Z
179	Carregiea pigartea - Saguero	18+	5	P	5Z 5Z U
89	Carregiea gigantea - Saguaro	15	5	P	0.0
92	Camegiea gigartea - Saguero	10		G	PS
94	Carregiea gigartea - Saguero Carregiea gigartea - Saguero	18+	5	1.1	5Z 5Z 5Z
196	Carregiea gigantea - Saguero Carregiea gigantea - Saguero	15	-	F	RD MS
198	Carregiea gigantea - Saguero	8		G	PS PS
100	Carregiea gigartea - Saguero	6		G	PS
501	Carregiea gigantea - Saguero	6		G	PS
104	Carregiea gigartea - Saguero	6		F	PS
505	Carregiea gigantea - Saguaro	18+	2	F	LE SZ S
506	Carregiea gigantea - Saguero	3		0	PS
507	Carregiea gigantea - Saguero	18+	4	1	5Z 5Z U
509	Carregiea gigantea - Saguero	18+	12	P	5Z 5Z 8
511	Carregiea gigantea - Saguero	6		0	PS
514	Carregiea gigartea - Saguero	18+	16	0	SZ SZ
515	Carregiea gigartea - Saguaro	18	2	F	5.2
518	Carregiea gigartea - Saguero	3	_	G	PS
21	Carregiea gigantea - Saguaro	5		P	BT
24	Carregiea gigantea - Saguaro	18+	12	F	52 52
27	Carregiea gigantea - Saguero	18+	2	0	SZ 82
28	Carregiea gigantea - Saguero	18+	12	P	8Z 8Z
36	Carregiea gigantea - Saguero	15	5	F	MS
38	Carregiea gigantea - Saguero	5	-	G	PS
30	Carregiea gigartea - Saguaro	18+		0	52 52
42	Carregies pigantes - Saguero	18+	5	0	52 52
41	Carregiea gigantea - Saguero	18+	2	P	52 52 8
42	Carregiea gigartea - Saguero	18+	12	1	5Z 5Z 8
43	Carregiea gigantea - Saguaro	18+	8	F	5Z 5Z 8
47	Carregiea gigartea - Saguero	18+		0	LE SL
50	Carregiea gigantea - Saguero	2	-	G	PS
51	Carregiea gigantea - Saguero	6	-	G	PS
55	Carregiea gigartea - Saguero	6	-	P	BT
56	Carregiea gigartea - Saguero	12	2	0	PS
67	Carregiea gigartea - Saguero	4	1000	0	PS
58	Carregies gigartes - Saguero	4	-	G	PS
59	Carregiea gigartea - Saguero	15	-	0	PS
60	Carregiea gigartea - Saguero	2	-	G	PS
41	Carregiea gigantea - Saguero	6		0	PS
65_	Carregies gigartes - Saguero	3		0	PS
87	Carregiea gigantea - Saguero	6		G	PS
74	Carregiea gigantea - Saguero	18+	6	P	LE
75	Carregiea gigartea - Saguero	6	6	P	LE
76	Carregiea gigantea - Saguaro	3	-	0	PS
79	Carregiea gigantea - Saguero	4	-	0	PS
80	Carregiea gigantea - Saguero	3	-	G	PS PS
82	Carregiea gigantea - Saguaro	8	14	F	52 52
85	Carregiea gigantea - Saguaro	3	-	0	PS
M	Carregiea gigartea - Saguero	4	_	0	PS
87	Carregiea gigartea - Saguero	4	-	P	BT
<u>88</u>	Carregiea gigantea - Saguaro	2	-	G	PS
02	Carregiea gigartea - Saguero	3	-	0	PS
43	Carregiea gigartea - Saguero	6	-	0	PS
94	Carregiea gigantea - Saguero	4	-	0	PS
95_	Carregiea gigantea - Saguero	6	3	P	07
96	Carregiea gigantea - Saguero	10	-	G	PS
99	Carregiea pigantea - Saguaro	2	-	0	PS
94	Carregiea gigartea - Saguero	2		0	PS Dist
105	Carregiea gigartea - Saguero	15	4	0	MS SL
06	Carregiea gigartea - Saguaro	18+	9	P	LE SZ S
110	Carregiea gigantea - Saguaro	18+	4	G	52 52 5
111	Carregiea gigantea - Saguero	10	-	0	PS PS
12	Carregiea gigantea - Saguero	18+	6	P	LE SZ S
13	Carregiea gigantea - Saguero	6	-	0	PS
114	Carregiea gigartea - Saguero	6	-	G	PS
17	Carregiea gigantea - Saguaro	5	-	G	PS
19	Carregiea gigantea - Saguero	15	3	F	PS
20	Carregiea gigantea - Saguero	15	3	F G	PS
21	Carregiea gigantea - Saguaro	12	-		PS
22	Carregiea gigantea - Saguero	6	-	G	PS
27	Carregiea gigantea - Saguaro	6	-	1	PS PS
ð.,	Carregiea gigantea - Saguero	8	-		MS RT PS
29	Camegiea gigantea - Saguero	10	4	G	5Z
33	Camegiea gigantea - Saguero	3	-	G	PS
34	Camegiea gigantea - Saguero Camegiea gigantea - Saguero	18+	14	G	52 52
35	Camegiea gigantea - Saguero Camegiea gigantea - Saguero	6		G	PS PS
22 38	Camegiea gigantea - Saguero Camegiea gigantea - Saguero	1	-	G	PS
30 40	Camegiea gigantea - Saguaro	6	-	G	PS PS
41	Camegiea gigantea - Saguero	8	-		PS
42	Camegiea gigantea - Saguero Camegiea gigantea - Saguero	8	-	6	PS PS
43	Carregiea gigantea - Saguero Carregiea gigantea - Saguero	2	-	G	PS
44	Carregiea gigartea - Saguero	4	_	G	PS
46		18+	6	0	5Z 5Z
47	Camegiea gigantea - Saguero Camegiea gigantea - Saguero	4	-	G	PS PS
48	Camegiea gigantea - Saguero Camegiea gigantea - Saguero	12	-	G	PS
100	Camegiea gigantea - Saguero Camegiea gigantea - Saguero	3	_	G	PS
50	Carregiea gigantea - Saguero Carregiea gigantea - Saguero	10	-	G	PS
		12	-	0	PS
52	Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro	4	-	0	PS
62 63	CONTRACTOR AND ADDRESS OF TAXABLE ADDRESS OF TAXABL	12	-	G	PS
52 53 54		14	-		
50 52 53 54 57	Carregiea gigantea - Saguero			G	PS
52 53 54 57 60	Carregiea gigantea - Saguero Carregiea gigantea - Saguero	8			and the second s
52 53 54 57 60 66	Carregiea gigartea - Saguero Carregiea gigartea - Saguero Carregiea gigartea - Saguero	12	-	0	PS
52 53 54 57 60 66 67	Carregiea gigartea - Saguero Carregiea gigartea - Saguero Carregiea gigartea - Saguero Carregiea gigartea - Saguero	12		0	PS
52 53 54 57 60 66 67 68	Carnegiea gigantea - Saguero Carnegiea gigantea - Saguero Carnegiea gigantea - Saguero Carnegiea gigantea - Saguero Carnegiea gigantea - Saguero	12 10 18+	4	6	PS SZ
52 53 54 57 60 66 67 68 68 69	Carregiea gigantea - Saguero Carregiea gigantea - Saguero	12 10 18+ 4	4	0 0	PS 52 PS
52 53 54 57 60 66 67 68 69 73	Carregiea gigantea - Saguero Carregiea gigantea - Saguero	12 10 18+ 4 6		0 0 0	PS SZ PS PS
52 53 54 57 56 56 57 56 56 57 56 56 57 56 56 57 57 57 57 57 57 57 57 57 57 57 57 57	Carregiea gigantea - Saguero Carregiea gigantea - Saguero	12 10 18+ 4 6 18+	4	G G G F	PS SZ PS PS SZ SZ
12 13 14 17 10 16 17 18 19 13	Carregiea gigantea - Saguero Carregiea gigantea - Saguero	12 10 18+ 4 6		0 0 0	PS SZ PS PS

681	Carregies disades - East art	3	_	G	PS
82	Carregies gigantes - Saguaro		-		PS
	Carregies gigantes - Saguaro	12	-	9	
14	Carregiea gigantea - Saguaro	18+	2	0	5Z 5Z
85	Carregiea gigantea - Saguaro	15		0	PS
82-	Carregiea gigantea - Saguaro			0	PS
м.	Carregiea gigantea - Saguaro	2	_	0	PS
87	Carregiea gigantea - Saguero	2		G	PS
98	Carregiea gigantea - Saguaro	18+	2	0	5Z
99	Carregiea gigantea - Saguaro		_	G	PS
00	Carregiea gigantea - Saguaro	18+	5	G	PS
01	Carregiea gigantea - Saguaro	4		0	PS
102	Carregiea gigantea - Saguero	10	-	G	PS
106	Carregiea gigantea - Saguero	10		G	PS
106	Carregiea gigantea - Saguaro	6	-	G	PS
107	Carregies gigantes - Saguaro	6		P	BT
708	Carregiea gigantea - Saguaro	15	2	G	PS
713	Carregiea gigantea - Saguaro	1	-	0	PS
714		6		P	RT
715	Carregies gigantes - Saguaro	18+	2	0	82
117	Carregiea gigantea - Saguaro	6		G	PS
719	Carregiea gigantea - Saguaro				PS
	Carregies gigantes - Seguaro	8	_	0	
724	Carregiea gigantea - Saguaro	10		G	PS
725	Carregiea gigantea - Saguaro	4		0	PS
726	Carregiea gigantea - Saguero	15	2	0	PS
49	Carregiea gigantea - Saguaro	4	12.2.3	0	PS
750	Carregiea gigantea - Saguaro	12	_	G	PS
753	Carregies gigantes - Saguaro	4		G	PS
754	Carregiea gigantea - Saguaro	10		G	PS
755	Carregiea gigantea - Saguero			G	PS
756	Carregiea gigantea - Saguaro	4		0	PS
762	Carregiea gigantea - Saguaro	8		0	PS
763	Carregiea gigartea - Saguaro	8		G	PS
764		15	4	G	MS 52
÷7	Camegies gigartes - Seguero	4			PS
- 60	Camegiea gigantea - Saguaro		-	G G	PS
	Carregies gigantes - Saguaro	10	-		
774	Carregiea gigantea - Saguaro	10		G P	PS
	Carregies gigantes - Saguaro	18	6		
180	Carregiea gigantea - Saguaro	10	_	0	PS
83	Carregiea gigantea - Saguaro	6		Ρ	RT
784	Carregiea gigantea - Saguaro	12		P	DY
185	Carregiea gigantea - Saguaro			F	0T
786	Carregiea gigantea - Saguaro	8		G	PS PS
787	Carregiea gigantea - Saguaro	4		G	PS
788	Carregiea gigantea - Saguaro	6		G	PS
789	Carregiea gigantea - Saguero	5		G	PS
791	Carregiea gigantea - Saguaro	6		G	PS
792	Carregiea gigantea - Saguaro	8		0	PS
793		3		G	PS
796	Camegiea gigantea - Saguaro				PS
105	Carregiea gigantea - Saguaro	10		G	P3 P5
	Carregiea gigantea - Saguaro			0	
807	Carregiea gigartea - Saguero	4	_	0	PS
109	Carregiea gigantea - Saguaro	4		0	PS
110_	Carregiea gigantea - Saguaro			G	PS
811	Carregiea gigantea - Saguaro	3		G	PS
812	Carregiea gigantea - Saguaro	6		G	PS
813	Carregiea gigantea - Saguero			P	DY
815	Carregiea gigantea - Saguaro	18	4	G	5Z
816	Carregies gigantes - Saguero	10		G	PS
817	Carregiea gigantea - Saguero	15	2	G	PS
119	Carregiea gigantea - Saguaro	6		P	BT RT
122	Company alexaños - Company	6		G	PS
125	Carregies gigaries - Saguero	18		P	DY
128	Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro	15	2	a	MS SZ
132		18	2	0	8Z
	Camegiea gigantea - Saguaro	58+	8	P	
<u>114</u> -	Carregies gigantes - Saguero				
136	Carregiea gigantea - Saguaro	6		0	PS PS
137	Carregies gigantea - Seguaro	18+	10	1	5Z 5Z
138	Carregies gigantes - Saguero	15		G	PS
139	Carnegiea gigantea - Saguaro	8	_	P	87
40	Carregiea gigantea - Saguero	6	-	0	PS
941	Carregiea gigantea - Saguaro	6	_	0	PS
142	Carregiea gigantea - Saguero	10		G	PS
143	Carregiea gigantea - Saguaro	10		G	PS
144	Carregies gigantes - Saguaro	10		P	BT
47	Carregiea gigantea - Saguero	8		P	BT
49		8		F	MS
50	Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro	6		8	MS
		6		G	PS
154	Carregiea gigantea - Saguaro				PS
55	Carregiea gigantea - Saguaro	12	_	9	
154	Carregies gigantes - Saguaro	12	_	G	PS
859	Carregiea gigantea - Saguaro	10		G	PS
M0_	Carregiea gigantea - Saguero	12		0	PS
M3	Carregiea gigantea - Saguaro	- 4		G	PS
866	Carregiea gigantea - Saguaro	12		0	PS
867	Carregiea gigantea - Saguero	6		G	PS
568	Carregiea gigantea - Saguaro	12		G	PS
870		12	1	G	PS
871	Camegiea gigantea - Saguero	10	-	G	PS
	Carregies gigantes - Saguaro		_		PS
173	Carregiea gigantea - Saguaro	6	_	0	
874	Carregiea gigantea - Saguaro	. 8		P	BT
	Carregies gigantes - Saguaro			0	PS

878	Campolea oloantea - Sanuem	10		G	PS
880	Carregiea gigantea - Saguaro Carregiea gigantea - Saguaro	4		G	P5
182	Carregies gigartes - Seguaro	5			P5
	Carregiea gigartea - Saguaro			G	
100	Carregies gigartes - Saguaro	18-	9	0	52 52 LE
190	Carregies gigartes - Saguaro	15	-	0	PS
194	Carregiea gigantea - Saguaro	5		0	PS
196	Carregies gigantes - Seguero	3		G	PS
197	Carregiea gigartea - Saguaro	18	1	G	MS SZ
906	Carregies gigartes - Saguaro	6		p	0 T
914	Carregiea gigantea - Saguaro	6		0	PS
918	Carregiea gigantea - Saguaro	2		G	PS
927	Carregies gigantes - Saguero	5		0	PS
932	Carregiea gigantea - Saguaro	5	1.1	G	PS
935	Carregies gigartes - Saguaro	2		G	PS
936	Carregies gigantes - Saguaro	18+	6	P	SZ SZ LE
154		18+	9	p	PS BT
	Carregies gigartes - Saguaro	10		P	10.01
201	Carregiea gigartea - Saguaro			F	8Z 8Z
209	Carregies gigantes - Saguaro	18+	6		
211	Carregies gigartes - Seguero	4	-	0	PS
217	Carregiea gigantea - Saguaro	18+	4	P	RT BT
18	Carregies gigantes - Saguaro	18+	10	+	LE
221	Carregies gigartea - Saguaro	4	2	F	0T
223	Carregies gigartea - Saguaro	8		G	PS
025	Carregies gigartea - Saguaro	4		P	RT
130	Carregiea gigantea - Saguero	6		6	PS
040	Carregies gigantes - Saguaro	6		G	PS
147	Carregiea gigartea - Saguaro	15		F	MS RT
258		8		G	PS
259	Carregies gigantea - Saguaro Carregies gigantea - Saguaro	15		0	PS
	Carregiea gigartea - Saguaro	10			PS
080	Carregiea gigartea - Saguaro		1	G	PS
178	Carregies gigartes - Saguero	6		0	
M1	Carregiea gigartea - Saguaro	3		G	PS
82	Carnegiea gigantea - Saguaro	18+	14	P	LE BT
183	Carregiea gigantea - Saguaro	18+	10	P	DY
187	Carregiea gigantea - Saguaro	. 6		G	PS_
289	Carregiea gigantea - Saguaro	10	1.1	0	PS
290	Carregiea gigantea - Saguero	12		0	PS
92	Carregies gigantes - Saguero	8	·	0	PS
293	Carregies gigartes - Seguero	10		G	PS
194		8		G	PS
195	Carregiea gigartea - Saguaro	8		P	RT
	Carregiea gigartea - Saguaro			G	PS
296	Carregies gigartes - Saguaro	8			P8
297	Carregiea gigartea - Saguero			0	
294	Carregies gigantes - Saguero	4	-	0	PS
299	Carregies gigantes - Saguaro	4		0	PS
01	Carregies gigantes - Seguero	18+	0	F	5Z 5Z LE
104	Carregiea gigantea - Saguaro	6		G.	PS
106	Carregiea gigantea - Saguaro	10		0	PS
113	Carregies gigantes - Saguaro	10		0	PS
118	Carregies gigantes - Saguaro	6		0	PS
126	Carregies gigantes - Saguero	8		G	PS
27	Carregiea gigartea - Saguaro	12		P	RT
29	Carregiea gigartea - Saguaro	18+		G	5Z 5Z
134		4			PS
	Carregiea gigartea - Saguaro		-	0	PS
35	Carregiea gigantea - Saguaro	8	-	G	
26	Carregies gigartes - Saguaro			0	PS
37	Carregies gigantea - Saguaro	15		G	PS
40	Carregiea gigantea - Saguaro	5	-	G	PS
44	Carregies gigantea - Saguaro	18+	3	F	5Z 5Z
46	Carregiea gigantea - Saguaro	18+	9	Ρ	0T 5Z 5Z
150	Carregiea gigartea - Saguaro	4		0	P5
54	Carregies gigantes - Saguero	6		0	PS
55	Carregies gigartes - Seguero	10		6	PS
5.6	Carregies gigantes - Saguaro	8	10 Sec. 14	G	PS
57	Carregies gigantea - Saguaro	8		G	PS
61		18+	0	0	5Z 5Z
4.5	Carregiea gigartea - Saguaro	8	-	P	RT
42	Carregiea gigartea - Saguaro			F	
45	Carregiea gigantea - Saguaro	18+	8		52 52
169	Carregiea gigantea - Saguaro	8	-	G	PS
70	Carregiea gigartea - Saguaro	6	-	G	PS
172	Carregies gigantea - Saguaro	4	-	0	PS
173	Carregiea gigantea - Saguaro	12		G	PS
174	Carnegiea gigantea - Saguaro	15		0	PS
175	Carregiea gigantea - Saguaro	4		0	PS
76	Carregiea gigartea - Saguaro	15	3	G	PS
	the second se		3	G	PS

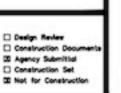


Story S. Desert Sun Drive Tucson, AZ 85739 (520) 909-4678 gregs@grslandscapearchit

ve	Dote:	4/9/21
	Drewn by!	LMW
hitects.com	Checked by:	GRS

0 NO 0 1 1 4 5 7 8 9 0 2 3 4 5 6 7	DESCRPTION Oneys tesols - Desert Ionwood Oneys tesols - Desert Ionwood	542E 12+ 12+ 12+	L	TRANS	COMMENT OT TM	5
0 1 4 5 7 8 9 0 2 2 3 4 5	Oheya tesota - Desert forwood Oheya tesota - Desert forwood	12+		h.	OT TM	-
1 4 5 7 8 9 0 2 3 4 5	Oliveya tesola - Desert Ironwood Oliveya tesola - Desert Ironwood Oliveya tesola - Desert Ironwood Oliveya tesola - Desert Ironwood	12+				
D 1 4 5 7 8 9 0 2 3 4 5	Olineya tesola - Desert Ironwood Olineya tesola - Desert Ironwood Olineya tesola - Desert Ironwood				OT TM F	0
1 4 5 7 8 9 0 2 3 4 5	Oliveya tesota - Desert Ironwood Oliveya tesota - Desert Ironwood		L.	L	DW TM F	0
1 4 5 7 8 9 0 2 3 4 5		10	6	L.	DW BL	
5 7 8 9 0 2 3 4 5	Otreve teacts - Desert ironwood	12+	L.	L	DW BL 1	TM
7 8 9 0 2 3 4 5	Total a state water to make	12+	M	M		TM .
8 9 0 2 3 4 5	Oliveya tesota - Desert konwood	12+	4	L		TM
9. 0 2 3 4 5	Otheys tesols - Desert Forwood	- 6	м	м	_	
0 2 3 4	Otheya tesota - Desert ironwood	6	M	M	VMS MT	
2 3 4 5	Oneya tesola - Desert Ironwood	6	м	м	VMS DW	_
2 3 4 5	Oneya tesota - Desert Ironwood	10	M	M	MS RT	
4	Olineya tesota - Desert ironwood	12+	L.	L		đΤ
5	Otreya tesola - Desert Forwood	8	M	M		£.,
5	Otheya tesola - Desert Forwood	12+	L.	L		2WV
<u>} </u>	Otheya tesota - Desert Ironwood	12+		6		DAN.
/	Oliveys tesots - Desert konwood	6	M	M		2W
	Oliveys tesota - Desert ironwood	8	L.	L	RD OT I	BL_
	Otheya tesota - Desert ironwood	12+		1		TN.
9	Otreya tesota - Desert ironwood	10	M	M		8.
0	Otreya tesota - Desert Forwood	12+	-	1	DIV The Order of	-
1	Oheya tesota - Desert konwood	12+	M	1		.8
2	Otreya tesola - Desert ironwood	6	6	1	MT	_
4	Oneys tesola - Desert Ironwood	12+	H		UE 52	_
7	Otreys tesota - Desert ironwood	12+	M	1	TM SZ	_
<u>.</u>	Oneys tesota - Desert Forwood	12+	M	-	TM SZ	-
<u>e</u>	Oheya tesota - Desert konwood	12+	+	1	RT TM	_
0	Oneys tesots - Desert ionwood	10	+	1	MT OW	_
3	Oneya tesota - Desert Forwood	12+	+	-	DY DW	
4	Oneya tesola - Desert Forwood	12+	- 14	1	a second s	MT.
2	Oneya teacta - Desert Forwood	10	M	M	VMS DW	-
3	Otreys tesots - Desert Ironwood	10	M	M	VMS TM	-
5	Oneys tesots - Desert torwood	124		-	VMS DW RD DW S	SZ.
6	Otreya tesola - Desert Ironwood	12+	+	1		12
1	Oneya tesola - Desert Forwood Oneya tesola - Desert Forwood	12+	+	1		80
2	Otheya lesola - Desert Forwood	12+	+	1		8
3	Oneya tesola - Desert Ironwood	12+	1	L.		/MS
4	Oneys tesota - Desert Ironwood	12	L.	1	BL DW	
5	Oneys tesots - Desert tormood	6	M	M	OT VMS	-
6	Oneya tesota - Desert Ironwood	10	M	L	TM DW	_
7	Oneya lesola - Desert ironwood	12+	- L	L	OT RT	_
8	Oneys tesots - Desert Forwood	8	M	M	VMS DW	
0	Oneya tesota - Desert tronwood	12+	M	L	SZ DW	
1	Otheys tesots - Desert tonwood	12+	L.	L		WC
2	Olineya tesota - Desert Ironwood	8	M	M	MIS	-
3	Otreya tesola - Desert ironwood	12	M	L	OT RT	
4	Oliveya tesola - Desert konwood	8	M	M	VMS OT	_
6	Oliveya tesola - Desert Forwood	6	M	M	MS OW	
7	Otheya tesola - Desert Forwood	12+	M	L	SZ RD	
8	Otreys tesots - Desert ironwood	8	M	M	MS DW	
9	Otreys tesots - Desert Forwood	8	M	M	MIS DW	
0	Oneya tesota - Desert ironwood	12	L	L.	DY	
1	Oneya tesota - Desert Ironwood	10	M	M	VMS DW	
2	Otheys tesots - Desert Forwood	8	M	M	MIS DW	
3	Cineya tesola - Desert ironwood	12+	м	L.	52	
4	Otherja tesota - Desert ironwood	58+	- k.	- k	RD RT	
5	Oliveya tesola - Desert ironwood	6	н	н	PS	
6	Oliveya tesola - Desert Poneood	12	M	L	WO TO	
9	Otreya tesota - Desert Ironwood	12+	L.	L.	OT RD	
ő.	Oliveya tesota - Desert ironwood	6	н	н	PS	
1	Otreys tesols - Desert Forwood	12+	M	6	BL DW	-
3	Oliveya tesola - Desert ironwood	12+	L	L		BL.
4	Otreya tesola - Desert Forwood	6	н	н	PS	-
5	Oliveya tesota - Desert ironwood	12+	M	L.	TM DW	-
01	Oliveya tesola - Desert Forwood	8	н	н	PS	_
03	Otheys tesola - Desert ironwood	12+	4	L		IM
04	Oliveya tesola - Desert konwood	6	M	M	VMS DW	-
05	Otreys tesols - Desert Ironwood	12	M	L .		70
06	Otheya tesola - Desert konwood	8	M	L		TM .
97	Otheys tesots - Desert itorwood	6	M	M	VMS DW	_
08	Oliveya tesota - Desert konwood	10	4	L	TM OT	_
09	Oliveya tesola - Desert Ironwood	18+	M	L	OT 5Z	_
10	Oliveya tesota - Desert ironwood	12	M	L.	OT DW	
11	Oliveya tesola - Desert Ironwood	12+	- k	L.	TM OT	
13	Otreya tesola - Desert Forwood		M	M	TM VMS	_
14	Otheya tesola - Desert ironwood	8	- L	L	TM DW	-
15	Otheys tesota - Desert ironwood	8	м	M	VMS OW	_
16	Oliveys tesots - Desert ironwood	6	M	M	VMS DW	_
17	Oliveya tesola - Desert Ironwood	6	M	M	VMS DW	-
18	Oneya tesola - Desert ironwood	4	M	M	VMS DW	-
19	Oliveya tesola - Desert konwood	12+	M	L		80
20	Otheya tesola - Desert Ironwood	12	M	L.	TM DW	_
22	Otreys tesots - Desert ironwood	12	_ k_	L		B.,
23	Oliveya tesola - Desert ironwood	6	M	M		/MS
24	Oneya tesota - Desert Ironwood	12	M	L.	OT DW	-
25	Oneya tesota - Desert Ironwood	8	M	M	TM VMS	
26 28	Otreys tesols - Desert Forwood	12	4	L	DW BL	

CORTARO 57 SPECIFIC PLAN



SAGUARO & IRONWOOD INVENTORY

sheet 5 of 9

	NOOD INVENTORY	1	VABILIT				
O NO	DESCRIPTION	5428		TRAN		MME	_
29	Oheya tesola - Desert konwood	10	4	6	DW	85	RD
20	Otreya tesola - Desert konwood	8	-	1	OW	RT	RD
21	Oneya tesota - Desert Forwood	4	н	H	PS PS	-	-
23	Oneya tesola - Desert konwood	_	н	H		-	-
36	Otheya tesola - Desert Forwood	8	H	H	PS TM	DW	-
38	Otheya tesola - Desert Forwood	10	H	H	PS	UW	-
40	Oneya tesota - Desert konwood Oliveya tesota - Desert konwood	6	M	M	MS	OW	-
41	Oheya tesota - Desert Forwood	6	M	M	MS	DW	-
42	Oneya tesota - Desert ironwood	8	M	M	MS	LB	-
46	Olivya tesota - Desert konwood	8	M	L	0.	OW	-
4.7	Oheya tesota - Desert konwood	12+	M	L	TM	LB	-
48	Oheya tesola - Desert konwood	12+	4	L	MT	OW	-
49	Otreys tesols - Desert Forwood	6	L	L	OT	OW	-
50	Otreya tesola - Desert ironwood	12+	H	L	5.Z		
51	Overya tesola - Desert ironwood	6	н	H	PS.		
5.2	Otreya tesota - Desert Forwood	6	M	M	ME	_	_
53	Oliveya tesola - Desert ironwood	12+	м	L	TM		
54	Otreya tesota - Desert ironwood	12+	L.	L	OT	OW	0L
55	Otreya tesota - Desert ironwood	12+	L	L.	OT	DW	0L
56	Otreya tesota - Desert konwood	12+	L.	L.,	PD	OW	01.
\$7	Oneya tesota - Desert konwood	8	M	M	MIS	DW	
58	Oliveya tesota - Desert konwood	12+	- L	6	RD	OW	81,
59	Oliveya tesola - Desert konwood	12+	- L	6	MT	OW	
60	Oneya tesola - Desert konwood	12	M	M	VMS	52	
61	Oneya tesola - Desert konwood	12+	H	L.	TM	52	
62	Oneya tesola - Desert Forwood	12+	L	L	TM	OW	
6.3	Oneya tesola - Desert konwood	10	м	M	VMS	52	
64	Otreya tesota - Desert konwood	12	M	M	VMS	52	
6.8	Oliveya tesota - Desert konwood	6	н	H	P5		
69	Oneys tesots - Desert ironwood	6	M	M	MS		
70	Oliveya tesota - Desert konwood	8	м	M	VMS	TM	
71	Oneya tesota - Desert konwood	12+	L	L	81	TM	DW
74	Otreya tesota - Desert Forwood	12+	L.	L	RD	07	DV
75	Oliveya tesota - Desert konwood	10	L	L	TM	07	DW
17	Otreys tesols - Desert Forwood	6	н	н	PS.		
83	Oneya tesola - Desert konwood	12	M	1	LB	OW	
85	Oneya tesola - Desert ronwood	12	L	L	LE.	OW	
87	Otreys tesols - Desert Forwood	8	M	M	MS	\$0	
88	Otreys tesols - Desert Forwood	10	м	M	MS.	50	
89	Otreys tesots - Desert Forwood	6	м	M	MS		
12	Oliveya tesota - Desert konwood	12+	M	L	TM	52	
93	Oliveys tesots - Desert ironwood	12+	L	L	OT	DW	
94	Oliveya tesota - Desert konwood	6	н	M	MS		
95	Oneya tesola - Desert konwood	12+	M.	L	TM		
97	Oneya tesola - Desert konwood	10	M	L.	TM	OW	
99	Oneya tesola - Desert konwood	12+	L	L	OT	OW	RT
00	Otreya tesola - Desert Forwood	12+	L	L.	OT	OW	RT
03	Oheya tesola - Desert Forwood	12+	M	L	TM	52	
04	Otreys tesols - Desert Forwood	12+	L	L	RT	81	
05	Otreys tesots - Desert Forwood	12	M	L	TM	81	
08	Okeya tesota - Desert konwood	12.	L	L	TM	DW	MT
09	Otreya tesola - Desert Forwood	6	M	M	RT	DW	VM
11	Olivya tesota - Desert ironwood	12+	M	L	RT	DW	52
6	Olivya tesota - Desert konwood	6	H	H	PS.		1
0	Otreya tesota - Desert Forwood	12+	L	L	OT	RT	MT
1	Otreya tesola - Desert ironwood	12+	1	1	01	RT	TM
8	Oneya tesola - Desert Forwood	6	M	M	OW	VMS	1
	Oneya tesola - Desert Forwood	6	H	H	PS	1	-
10	Otreya tesola - Desert Forwood	12	M	L	RT	52	-
31	Otreya tesola - Desert Forwood	12+	1	1	RT	RD	-
22	Otreya tesola - Desert Forwood	8	- M	M	MS	100	-
33	Oliveya tesola - Desert Ironwood	12+	-		AT.	OW	TM
34	Otreya tesola - Desert Forwood Otreya tesola - Desert Forwood	12+	- M	++	TM	DW	194
35	Oneya tesota - Desert Forwood Oneya tesota - Desert Forwood	12+	M	++	TM	DW	-
37	Oneya tesota - Desert Ironwood Oneya tesota - Desert Ironwood	12.	- 10	M	VMS	DW	-
38	Oneya tesota - Desert ironwood	12+			TM	OW	RT
40		4	H	H	PS	10.00	-
42	Otreya tesola - Desert konwood Otreya tesola - Desert konwood	18+		1	81	DW	TM
43	Oneya tesota - Desert Forwood Oneya tesota - Desert Forwood	6	H	H	PS	1000	
14	Oneya tesola - Desert Forwood	6	H	H	PB	-	-
45		12	M	M	VMS	LB	-
45	Oneya tesola - Desert konwood Oliveya tesola - Desert konwood	6	H	H	PS	100	-
49	Oneya tesola - Desert Forwood	6	-	M	MS	-	-
50	Otreya tesota - Desert Forwood	12+	M	L	5Z	-	-
\$1	Otreya tesola - Desert Forwood	12+	- L	i.	DW	81	-
5.5	Otreya tesola - Desert Forwood	12+	Ň	i.	DW	52	-
14	Otreya tesota - Desert Forwood	10	M	M	DW	VMS	-
16	Otreya tesola - Desert Forwood	4	M	H	PS		-
17	Otreya tesola - Desert konwood	8	M	H	PS.	_	-
	Oneya tesola - Desert Forwood	12+	M	L	52	DW	-
	Oneya tesola - Desert Forwood	12+	- L	t	RD	OW	TM
		12+	ŝ.	1	DY	1000	1
1		18.4	1	1	RT.	PD	-
2	Otreya tesola - Desert Forwood Otreya tesola - Desert Forwood	12+		- N-	DY	10	-
2	Otreya tesola - Desert konwood	12+			100	-	
12	Oheya tesola - Desert konwood Oheya tesola - Desert konwood	12+	- L-	1		100	107
12	Otreya tesota - Desert ironwood Otreya tesota - Desert ironwood Otreya tesota - Desert ironwood	12+	L	ł	0W	01	RT
61 62 64 67 68	Oheya tesola - Desert konwood Oheya tesola - Desert konwood Oheya tesola - Desert konwood Oheya tesola - Desert konwood	12+ 12+ 12+	L L	ł	0W DW	01	MT
61 62 64 67 68 69 70	Oliveya tesota - Desert konwood Oliveya tesota - Desert konwood Oliveya tesota - Desert konwood Oliveya tesota - Desert konwood Oliveya tesota - Desert konwood	12+ 12+ 12+ 12+	L.	L.	DW DW DW		
61 62 64 67 68 69 70 73	Oneya tesola - Desert Forwood Oneya tesola - Desert Forwood	12+ 12+ 12+ 12+ 4			DW DW DW PS	01	MT
59 61 62 64 67 68 69 70 73 74	Otheya tesola - Desert toneood Otheya tesola - Desert toneood	12+ 12+ 12+ 12+ 4 12	L	L H	DW DW PS DY	01	MT
61 62 64 67 68 69 70 73 74 75	Otneya tesola - Desert Forwood Otneya tesola - Desert Forwood	12+ 12+ 12+ 12+ 12+ 4 12 12	LLLM	L H L	OW OW PS OY SZ	01	MT
61 62 64 67 68 69 70 73 74 75 76	Otheya tesola - Desert Forwood Otheya tesola - Desert Forwood	12+ 12+ 12+ 12+ 12+ 4 12 12 12+ 12+	ILLL	HLL	OW OW PS OY SZ	01	MT
61 62 64 67 68 69 70 73 74 75 76 78	Chevya tesola - Desert tornsood Oncya tesola - Desert tornsood	12+ 12+ 12+ 12+ 4 12 12 12 12+ 8	TILL	L H L	DW DW DW PS DY SZ SZ PS	01	MT
61 62 64 67 68 69 70 73 74 75 76 76 78 79	Otheys tesola - Desert Fortwood Otheys tesola - Desert Fortwood	12+ 12+ 12+ 12+ 4 12 12+ 12 12+ 12+ 12+ 12+ 12+ 12+ 12+ 1	- I I C - I	L L L L L L L	OW OW DW PS OY SZ SZ PY	01	MT
61 62 64 67 68 69 70 73 74 75 76 76 76 78 78	Otneys tesola - Desert Forwood Otneys tesola - Desert Forwood	12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+	Criticri	L L L L L L L L	0W 0W PS 0Y SZ SZ PS 0Y PS	BL.	MT
61 62 64 67 68 69 70 73 74 75 76 78 79 71	Cherup tesola - Desert torneood Orenza tesola - Desert torneood	12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+	CCTUCTT	L L L L L L L	OW OW OW PS OY SZ SZ PS OY PS TM	01	MT
11 12 14 17 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Cheve tesola - Desert Forwood Cheve tesola - Desert Forwood	12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+	r E E r X Z E r X r r		OW OW PS OY SZ SZ PS OY PS TM OY	BL.	MT
12478903456891234	Otherus tesola - Desert Fortwood Otherus tesola - Desert Fortwood	12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+	Er Er z z Er z r r	L L L L L L L L	OW OW OW PS OY SZ SZ PS OY PS TM OY VMS	BL.	MT
124789034568912345	Cheve tesola - Desert Forwood Cheve tesola - Desert Forwood	12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+	EEFEFIZEFI		OW OW PS OY SZ SZ PS OY PS OY PS TM OY VMS	BL.	MT
12478903456891234	Otherus tesola - Desert Fortwood Otherus tesola - Desert Fortwood	12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+	Er Er z z Er z r r		OW OW OW PS OY SZ SZ PS OY PS TM OY VMS	BL.	MT

290	Oneya tesota - Desert ironwood	12	M	L.	TM-	52	-
01	Oneya tesola - Desert Ironwood	6	н	н	PS	-	-
102	Oliveya lesola - Desert ironwood	12+	L.	L.	TM	OW	-
303	Oliveya tesota - Desert Ironwood	6	н	н	PS		-
304	Oliveya tesota - Desert ironwood	6	H	M	MS	_	
105		_	н	н	PS	_	_
306	Oliveya tesota - Desert Ironwood Oliveya tesota - Desert Ironwood	6	H	M	MS	LB	-
307		12	M		TM	10	
	Oheya tesota - Desert ironwood		M	1			-
508	Oneya tesota - Desert ironwood	6		- L	1.8		
509	Oliveya tesota - Desert ironwood	10	M	M	LB	MS	_
310	Oneya tesota - Desert Ironwood	10	M	M	152	MS	
211	Oliveya tesota - Desert Ironwood	18+	M	1	182	RD	-
314	Oliveya lesota - Desert Ironwood	8	н	M	MS.	-	
315	Otheya tesota - Desert Forwood	18+		- L	LB.	52	DW
316	Oneya tesota - Desert ironwood	8	M	6	LE.		
317	Olneya tesota - Desert Ironwood	12	M	L	SZ.	TM	
358	Olneya tesota - Desert Ironwood	12+	M	L	52	TM	
919	Olneya tesota - Desert Ironwood	12+	L.	6	RT	SL	
320	Olneya tesota - Desert Ironwood	18+	M	L	52	DWV	
321	Olneya tesota - Desert ironwood	12	M	L	SZ.	DWV	
526	Olneya tesota - Desert Ironwood	12+	M	- L	52	DWV	1.1
528	Oliveya lesota - Desert ironwood	8	M	L	LE		
229	Oliveya lesota - Desert Ironwood	18+	н	L	52		
330	Oliveya tesola - Desert Ironwood	6	н	н	PS		
340	Oneya tesota - Desert ironwood	8	L	L.	1	OW	
341	Oneya tesota - Desert Ironwood	12	M		TM	DW	-
342	Oneya tesola - Desert Porwood	6	M	M	81	DW	VMS
343		12+			10.	RT	100
350	Oneya tesota - Desert ironwood		-		The state	DW	-
	Oliveya tesota - Desert ironwood	12+	L	H		0.44	-
256	Oneys tesota - Desert ironwood	6	H		P5 P5	-	-
557	Oliveya tesota - Desert ironwood	6	H	H	13-	-	-
358	Oneya tesota - Desert Ironwood	4	H	н	PS	-	-
560	Oneya lesota - Desert konwood	6	н	н	PS.	-	-
36.1	Oneya lesota - Desert ironwood	12	<u>k</u>	6	8.	DW	-
266	Oneya tesota - Desert ironwood	10	- L	6	RT	DW	-
267	Otreya tesota - Desert Ironwood	18+	M	6	52	OW	-
271	Oliveya lesola - Desert ironwood	4	L.	L.	P5.		-
373	Oliveya tesota - Desert Ironwood	18+	L.	L.	IRT.	DWV	
374	Oliveya tesota - Desert Ironwood	12+	. L.	L.	RT	DWV	
384	Olneya tesota - Desert Ironwood	12+	L	L	RT	RD	
592	Oneya tesota - Desert ironwood	12+	L	L	0W	TM	
593	Oliveya lesota - Desert ironwood	6	L	L	DW.	TM	-
595	Oneya tesota - Desert ironwood	12+	M	1	RO	TM	-
596	Oneya tesota - Desert ironwood	12+	L	L	PN .	OW	
597	Oliveya tesota - Desert ironwood	12+	L.	1	N	DW	-
208	Oneya tesota - Desert Forwood	8		1	RO	DW	
200		12+	-		54	DW	
	Oneya tesota - Desert Ironwood	4		M		75.64	-
400	Oliveya tesola - Desert Ironwood	_	M		MS	The second	-
401	Oheya tesola - Desert torwood	12+	<u>k</u>	<u> </u>	N	DW	-
402	Oneya tesota - Deserf Ironwood	10	-		N	DW	
409	Oliveya tesota - Desert ironwood	8	м	м	MS		-
410	Oliveya tesota - Desert Ironwood	10	M	1	52	-	
411	Oliveya tesota - Desert ironwood	12	L.	6	RT	81	_
412	Oliveya lesota - Desert ironwood	10	- L	6	RT	81	_
413	Oneya tesota - Desert Ironwood	6	H	H	[PS.		
416	Oliveya tesota - Desert ironwood	6	н	н	PS.	OW	
418	Oneya lesota - Desert ironwood	6	н	н	PS.		
420	Oneya lesota - Desert ironwood	10	н	M	MS		
422	Oneya tesota - Desert tonwood	12+	M	L	TM	52	
423	Oneya tesota - Desert Ironwood	10	M	L	101	RT	_
424	Otreya tesota - Desert Ironwood	6	н	н	PS.		
426	Oliveya tesota - Desert Ironwood	12+	L		AT.	DW	-
427	Oneya tesota - Desert Ironwood	6	N.	H	PS	DW	-
428		_	1		80		TM
429	Oneya tesota - Desert ironwood	12	M	M	MS	DW	
	Oliveya tesota - Desert Ironwood	6		H	PS.	-	-
430	Oneya tesota - Desert ironwood		H		PA	-	-
631	Otheya tesota - Desert Ironwood	8	M	H		-	-
132	Oliveya tesota - Desert ironwood	6		M	MS	-	-
433	Oneya tesola - Desert ironwood	4	M	M	MS	Part .	10.1
434	Otreya lesota - Desert Ironwood	12	<u>k</u>	6	RT	DW	TM
426	Otreya tesola - Desert Ironwood		M	1		DW	_
437	Oliveya lesota - Desert ironwood	10	M	M	MS	TM	1
438	Oliveya lesota - Desert Ironwood	12	M	1	-	TM	-
642	Oneya tesota - Desert ironwood	12	M	- h	QW.	57	
643	Oliveya tesota - Desert ironwood	12	M	L	DW.	5Z	
644	Oliveya tesota - Desert Ironwood	- 4	н	н	PS.		
446	Oliveya lesota - Desert Ironwood		14	н	PS.		
647	Oneya tesota - Desert Ironwood	8	M	M	MS	OW	
649	Oliveya tesota - Desert ironwood	6	M	M	MS	DWV	-
450	Oneya lesota - Desert ironwood	6	L.	1	RT	OW	-
452	Oneya tesola - Desert Ionwood	4	н	M	MS	50	-
			M				-
453	Oneya lesola - Desert Ionwood	12		<u> </u>	8	50	-
454	Oheya tesota - Desert ironwood	10	M		52	VMS	-
455	Oneya tesota - Desert Ironwood		M	M	MS		-
456	Oneya lesota - Deserf Ironwood	8	M	M	MS	-	-
	Oneya tesota - Desert ironwood	8	L	L	8.	DW	1
457	Olneya tesota - Desert Ironwood	18+	L	L	81	DW	N
459							
	Oneya tesota - Desert Ironwood	12+			DY.	-	-
459		12+	L	L	OY.		
459 460	Cineya tesota - Desert ironwood			L			

	Otreya tesola - Desert ironwood	12	N	L.		OW	1
68	Oneya tesota - Desert Ironwood	12+	M	L	RT	OW	_
409	Oliveya tesola - Desert ironwood	12	N	L	RT	TM	
473	Otreya tesota - Desert ironwood	0	N	1	SL.	-	_
474	Otreya tesola - Desert ironwood	6	N	M	MS	OW	-
475		8	N	M	MS	LB	-
176	Oneya tesola - Desert ironwood						-
	Otreya tesota - Desert Ironwood		N	M	645	18	-
178	Okeya tesota - Desert Ironwood	12	-	- h-	TM	LB	DW
679	Otreya tesota - Desert ironwood		- M	M	MS	_	-
480	Oneya tesota - Desert ironwood	12	_ L	L.	LE	RT	0W
482	Oneya tesota - Desert ironwood	6	N	M	MrS.		
484	Oneya tesola - Desert ironwood	8	N	M	MS	OW	
185	Otreya tesota - Desert ironwood	12+	N	L	TM	52	
486	Otreya tesota - Desert ironwood	4	P.	н	PS	-	-
488	Otreya tesota - Desert ironwood	12+		1	DY	_	-
489		10	N		TM	_	-
	Oneya tesola - Desert ironwood			- t-	-		-
492	Offerya lesola - Desert ironwood	12	N	<u> </u>	DW	_	_
493	Oliveya tesota - Desert ironwood	6	H	H	PS	_	_
194	Oliveya tesota - Desert ironwood	6	- L	L.	DW	85	_
197	Oneya tesola - Desert Forwood	12	N	M	VMS		
1948	Oneya tesota - Desert ironwood	-4	14	H	PS		_
199	Oveya tesola - Desert ironwood	6	6	L	SL.	0W	-
00	Oveys lesots - Desert ironwood	12+			TM	RT	-
			-				-
01	Otreya tesola - Desert ironwood	8	N	M	MS	OW	-
02	Oliveya tesola - Desert ironwood	10	- L	L.	RT	0W	-
03	Oneya tesola - Desert ironwood	6	- L	L	RT	OW	
04	Otreya tesota - Desert ironwood	6	N	M	MIS	OW	
505	Oliveya tesola - Desert ironwood	12	4	L	OL.	OW	-
09		6	N	M	MS	OW	-
	Oneya tesota - Desert ironwood						-
11	Otreya tesola - Desert ironwood		-	-	TM	OW	-
12	Oliveya tesota - Desert ironwood		N	L .	LE	OW	-
16	Oheya tesola - Desert ironwood	10	- L	L. L.	DL.	0W	
17	Oliveya tesola - Desert ironwood	12+	4	L	DY		
19	Oneya tesota - Desert ironwood	12+	1	L.	PN .	OW	RT
		6	H	M	MS	50	1.51
22	Otwya tesola - Desert ironwood		1	1			-
29	Oveya lesola - Deserf Ironwood			-	SL	OW	-
30	Otheya tesola - Deserf Ironwood	12+		1	RD	8.	-
31	Oliveya tesota - Desert ironwood		H	H	PS	-	
32	Oliveya tesola - Desert ironwood	12+	L	L	TM	PIT	
37	Otheya tesota - Desert ironwood	8	- L	L.	DW	RT	
38	Otreya tesota - Desert ironwood	12+	1	1	DW	RT	-
				M		VMS	-
39	Oneya tesota - Desert ironwood	10	N	-	DW		-
40	Offerya lesota - Desert ironwood	12	N	<u> </u>	DW	TM	
41	Otreya tesota - Desert ironwood	6	. h.	6	DW	54	
45	Oneya tesota - Desert ironwood	18+	6	L.	DW	RT	TM
51	Otreya tesota - Desert ironwood	6	×	н	PS		
53	Oliveya tesola - Desert ironwood	10	4	L	DY		
55		12	-		RT	OW	BL
	Oneya lesola - Desert ironwood		-		TM		
59	Otreys tesots - Deserf Ironwood	6	N	-		OW	BL
60	Otheya tesola - Desert ironwood		N	M	MS	_	-
61	Oneya tesota - Desert ironwood	10	N	L.	5Z		
66	Oneya tesota - Desert ironwood	12+	- L	L	RD	64	
67	Oliveya tesota - Desert ironwood	10	Rel .	M	MIS	-	-
68	Oliveya tesota - Desert ironwood	8	N	M	MRS.	-	_
69					RT	-	-
	Otreya tesota - Desert ironwood	12+	-			8.	-
70	Oveya tesota - Desert ironwood	12	N	6	TM	-	-
31	Oliveya tesota - Desert ironwood	8	N	M	VMS	-	
32	Otreya tesota - Desert ironwood	6	N	M	MIS.		
33	Otreya tesota - Desert tronwood	12+	4	L	TM	OW	
74	Otreya tesola - Desert ironwood	8		1	TM	RD	-
75		12+	+		TM	RD	-
	Oneya tesola - Desert ironwood	_	-	1		10	-
76	Otreya tesola - Deserf Ironwood	4	N.	н	PS	-	-
78	Oneya tesota - Desert ironwood	12	N	L	RT	OW	1
80	Otneya tesota - Desert ironwood	12+	L.	L	RT	RD	BL
81	Olineya tesota - Desert ironwood	6	N	M	MIS		
83	Otreya tesota - Desert ironwood	0	N	L	RT	DW	
84	Oliveya tesota - Desert ironwood	8	N	L.	TM	54	-
45		_		-	TM		-
	Otreya tesola - Desert ironwood	12	N	-		54	-
47	Oveya tesota - Desert ironwood	8	N	M	VMS	-	1.00
49	Okeya tesola - Desert ironwood	12	4	6	TM	RT	1.8
90	Oneya tesola - Desert ironwood	10	N	L.	TM	0W	LB
91	Otreys tesols - Desert ironwood	12	L.	L	TM	OW	RD
92	Otreya tesota - Desert ironwood	12			TM	DW	SL
			-	- t-	TM		
93	Oneya tesola - Deserf ironwood	10	L.	L.		DW	RD
64	Oliveya tesota - Desert ironwood		H	H	PS	-	-
	Oliveya tesota - Desert ironwood	8	N	M	MS		
	Oliveya tesota - Desert ironwood	10	N	L	TM		
	Oliveya tesota - Desert ironwood	12+	6	L	TM	IRT	DW
96		12+			TM	RT	DW
96		1 18.4	+	<u>+</u>	TM	RT	
196 197 198	Oneya tesola - Desert ironwood	4.5	- L	- K-			DW
196 197 198 199	Oheya tesola - Desert Ironwood Oheya tesola - Desert Ironwood	12			TM.	RT	DW
196 197 198 199 100	Oneya tesola - Desert ironwood	12	4	L	-		
96 97 98 99 00	Otreya tesota - Desert ironwood Otreya tesota - Desert ironwood Otreya tesota - Desert ironwood	12	L. N	M	MS	RT	DW
96 97 98 99 00 01	Oneya tesola - Desert Ironwood Oneya tesola - Desert Ironwood Oneya tesola - Desert Ironwood Oneya tesola - Desert Ironwood	12		_	-	RT	DW/
96 97 98 99 00 01 02	Otheya tesota - Desert Ironwood Otkeya tesota - Desert Ironwood Otkeya tesota - Desert Ironwood Otheya tesota - Desert Ironwood Otheya tesota - Desert Ironwood	12 8 8	L	L	TM	RT	DWV
96 97 98 99 00 01 02 03	Otreya tesota - Desert ironwood Otreya tesota - Desert ironwood	12 8 8 12+	L	L	TM TM	RT RD	DW/ DW/
96 97 98 99 00 01 02 03 03 04	Otreya tesota - Desert Ironwood Otreya tesota - Desert Ironwood	12 8 8 12+ 12+	L L	L	TM TM TM	RT RD RD	DW DW DW
196 197 198 100 100 102 103 104 105	Otreya tesota - Desert ironwood Otreya tesota - Desert ironwood	12 8 12+ 12+ 10	L	L	TM TM TM TM TM	RT RD RT	DW/ DW/
195 196 197 198 199 100 101 102 103 104 105 106	Otheya tesota - Desert Ironwood Otkeya tesota - Desert Ironwood	12 8 8 12+ 12+	L L L	L	TM TM TM	RT RD RD	DW DW DW
96 97 98 00 01 02 03 04 05 06	Otreya tesota - Desert ironwood Otreya tesota - Desert ironwood	12 8 12+ 12+ 10 10	6 6 6	L	TM TM TM TM TM	RT RD RT	DW DW DW
96 97 98 99 00 01 02 03 04 05 06 06 06	Otreya Insola - Desert Ironwood Otreya Insola - Desert Ironwood	12 8 12* 12* 10 12* 6	1 1 1 1 1 N		MS TM TM TM TM TM DW	RT RD RT	DW DW DW
96 97 98 00 01 02 03 04 05 06	Otreya tesota - Desert ironwood Otreya tesota - Desert ironwood	12 8 12+ 12+ 10 10	6 6 6	L	TM TM TM TM TM	RT RD RT	DW DW DW

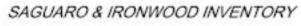


20	35974 S. Desert Sun Drive
25	Tucson, AZ 85739
10	(520) 909-4678
RCTALLO	gregs@grslandscapearchite

Drive	Dote:	4/9/21	Construction Document
	Drewn by!	LMW	25 Agency Submittel
rchitects.com	Checked by		Construction Set 20 Not for Construction

611	Otreya tesota - Desert Ironwood	1	м	м	VMS	DW	
612	Otheya tesola - Desert Ironwood	1	-	1	TM	DW	-
613	Oliveya tesota - Desert ironwood	12+	-		TM	RO	-
614 615	Otreya tesola - Desert ironwood	12+	+	1	TM	RT	84
616	Oliveya tesota - Desert Ironwood Oliveya tesota - Desert Ironwood	10	-		TM	RT	8
617	Oliveya tesota - Desert Ionwood	12+	L	L.	OW	RT	81.
619	Otreya tesota - Desert Forwood	12+	L.	L	OW	RT	RO
620	Otreya tesola - Desert Ironwood	12+	i.	6	54	RT	RO
621	Otreya tesota - Desert ironwood	6	н	H	PS.		1.1
622	Otheya tesola - Desert Forwood		н	M	MS	1	
623	Oliveya tesola - Desert Ironwood	12+	м	L	5Z	8.	
624	Olneya tesota - Desert Ironwood	10	M	M	MS	_	
632	Oliveya tesola - Desert konwood	- 6	L.	1	1.4	5.	_
633	Otreya tesola - Desert torwood	12	4	<u> </u>	80	54	-
6.36	Ofreya tesola - Desert ironwood	6	H	н	PS	-	
6.38	Oliveya tesola - Desert ironwood	0	M	н	PS	OW	-
620	Otheya tesota - Desert Forwood		H	н	P5 P5	<u>ş</u> .	-
142 143	Otreya tesola - Desert Ironwood	6 12+	H	H	TM	-35- RT	-
146	Oliveya tesola - Desert Ironwood Oliveya tesola - Desert Ironwood	18+	-	t	TM	RT	DW
147	Otreya tesota - Desert ironwood		H	H	PS.		2011
48	Otreya tesota - Desert Ironwood		M	L	TM	-	-
49	Otreya tesota - Desert ironwood	6	L	L	OY		
150	Otreya tesota - Desert ironwood	- 6	M	M	MS		
151	Otreya tesota - Desert ironwood	12+	84	6	12	RT	
152	Oliveya tesota - Desert ironwood	6	M	м	MS	50	
153	Oliveya tesola - Desert ironwood		M	м	4/5	OW	
155	Oliveya tesola - Desert ironwood	10	M	6	52	OW	
56	Oliveya tesota - Desert ironwood	12	м	1	52	DW.	-
157	Oliveya tesota - Desert ironwood	12+	- L	1	57	DY	-
158	Oliveya tesota - Desert ironwood	12+	-	-	TM	B	DW
161	Otreya tesota - Desert Konwood	12+	-	1	TM	RD	N
42 463	Oliveya tesola - Desert Ironwood Oliveya tesola - Desert Ironwood	10	M	1	OW	RD	-
64	Oneys tesola - Deset toneood	6	M	M	MIS	50	-
87-	Otreys tesols - Deset tonwood	6	M	L.	OW	54	-
44	Oneya tesola - Desert Forwood	10	L.	1	OW	TM	-
73	Otheya tesota - Desert Ironwood	12+	L	1	OW	RT	81
77	Otheya tesota - Desert ironwood	12+	M	L	OW	52	TM
80	Oliveya tesota - Desert Ironwood	. 0	н	н	PS.		
81	Oliveya tesola - Desert Ironwood	6	- F	6	U.		
42	Otreya tesola - Desert Itorwood	10	н	M	MS	52	
83	Oliveya tesola - Desert ironwood	8	M	6	-	50	
M	Oneya tesota - Desert ironwood	6	M	M	M/S	50	-
45	Otreya tesola - Desert tonwood	- 6	M	M	MS	50	-
- 10	Oliveya tesota - Desert ironwood	12	-	1	RT	DW	-
47	Oliveya lesola - Desert ironwood	10	M	- ÷-	RT	DW	-
88	Oliveya tesota - Desert itorwood	1	-		LE	50	-
89	Otreya tesota - Desert Ronwood	6	M	M	MS MS	50	-
90	Oliveya tesota - Desert Ronwood	8	H	H	PS	50	-
82	Oliveya tesota - Desert Porwood Oliveya tesota - Desert Porwood	4	L	L.	OY	-	-
63	Oliveya lesola - Desert ironwood	12	i.		RT	-	_
64	Oliveya tesota - Desert ironwood	18+	M	L.	52	TM	
06	Otwya tesota - Desert ironwood	8	M	M	MS.	54	
07	Oliveya tesota - Desert ironwood	10	M	L	TM	DW	
09	Oliveya tesota - Desert ironwood	18+	L	L	O'Y		
11	Otheya tesota - Desert ironwood	6	н	н	PS.		
13	Oliveya tesota - Desert Ironwood	10	M	L	U.	1	-
15	Oliveya lesola - Desert ironwood	12	L	6	TM	U.	-
16	Oneya tesota - Desert ironwood		M	6	OW	UE	-
18 19	Oliveya tesota - Desert Horwood	12	M	1	OY	-	-
2-	Oneya lasola - Desert ironwood	10	M	M	MS	-	-
20	Otreya tesola - Desert trowood	- 10	-	-	LE	-	-
21 22	Oliveya tesola - Desert Ironwood Oliveya tesola - Desert Ironwood	12+	-		DY	-	-
23	Oliveya tesota - Desert Ironwood	6	M	M	MS	-	-
24	Oliveya tesota - Desert Forwood	12	L	L	OW		-
24	Oliveya tesota - Desert ironwood	12	L.	L.	OW	RT	
	Oliveya tesota - Desert ironwood	12	M	L	OW		-
29	Oliveya tesota - Desert ironwood	10	M	M	Ar5		
29	Oliveya tesota - Desert ironwood	6	M	м	VMS		
31	Otheya tesota - Desert ironwood	10	м	L	OW	Pi	
32	Otheya tesota - Desert ironwood	10	м	L	OW	TM	
33	Olneya tesota - Desert ironwood	12+	L	L	RT	TM	-
34	Olneya tesota - Desert ironwood	8	L	L	RT	TM	-
35	Oliveya tesola - Desert ironwood	12+	L	L	RT	RD	-
26	Oliveya tesota - Desert ironwood		L.	6	RT	OW	-
37	Oliveya tesota - Desert ironwood	8	M	M	MS	OW	-
38	Oliveya tesola - Desert ironwood	12+	-		TM	DW/	-
The second se	Okrya tesola - Desert konwood	12+	M.	++	5Z RT	OW	-
729	Oliveya tesola - Deserf itorwood	12+	M	M	MS	DW	-
739					and the second s	DW	81
740	Olneya tesola - Desert ironwood	10					80
740 741 742	Otheya tesota - Desert ironwood Otheya tesota - Desert ironwood	6	M	M	MS	DW	\$0 \$0
140	Olneya tesola - Desert ironwood	_					50 50

CORTARO 57 SPECIFIC PLAN



sheet 6 of 9

	WOOD INVENTORY		VABL	NY		
D NO		5421		TRANS		OMMENTS
749	Otheya tesota - Desert ironwood	10	L	L	TM	RT
750	Olineya tesota - Desert Ironwood	10	L	L	N	RT
751	Oliveya tesota - Desert ironwood	8	M	L .	51	
752	Olneys tesota - Desert ironwood	8	- 10	M	MS	
754	Oliveya tesota - Desert ironwood	12+	1	1	DY	
755	Oliveya tesota - Desert Ironwood	8	M	M	MS SO	
757	Oliveya tesota - Desert ironwood Oliveya tesota - Desert ironwood	10			50	RT
758	Otheys tesota - Desert ronwood	12	1	1	50	N
759	Otheys tesota - Desert Ironwood	12+	M	L	SZ	
761	Olineya tesota - Desert Ironwood	18+	L	1	RT	LE
762	Oliveya tesota - Desert Ironwood	8	M	M	MES	
764	Otreva tesota - Desert ironwood	12	L	L.	MT	RT
765	Oliveya tesota - Desert Ironwood	10	L	£	The	RT
768	Oliveya tesota - Desert ironwood	12	L	L	TM	RT
769	Oliveya tesota - Desert ironwood	8	M	M	MS	
770	Oliveya tesota - Desert ironwood	8	M	M	MS	
772	Oliveya tesota - Desert ironwood	-4	H	H	PS.	
776	Oliveya tesota - Desert ironwood	6	H	H	PS.	
777	Oliveya tesota - Desert ironwood	8	84	M	MS	_
778	Oneya tesota - Desert korwood	8	- 52	1	3.E	
779	Oneya tesola - Desert Forwood	6	M	M	VMS	_
780	Otheys tesota - Desert ironwood	8	M	- L	DW	
782	Oheys tesota - Desert ironwood	8		M	MS	-
783	Ohreya tesota - Desert Ironwood	6	M	M	MS	
784	Olineya tesota - Desert Ironwood	6	M	M	M/S	
785	Otheya tesota - Desert Ironwood	6	M	M	M/S RT	OW
788	Oliveya tesota - Desert Ironwood			1	RT	N
789	Oliveya tesota - Desert Ironwood Oliveya tesota - Desert Ironwood	10	M	M	MS	-
791	Oneys tesots - Desert ronwood	12			LB	ōw
793	Otherya tesota - Desert ironwood	12+	1	L	RT	DW
794	Oneya tesota - Desert Ironwood	10	t	L.	RT	N
795	Ollege tesota - Desert Ironwood	10	t	L	RT	N
796	Olineya tesota - Desert ironwood	10	L	L	RT	N
799	Oheya tesota - Desert Ironwood	8	M	L		84
801	Oneys tesota - Desert Ironwood	8	L	L	RT	51.
806	Oliveya tesota - Desert ironwood	12	L.	L	RT	IN DW
807	Otheya tesota - Desert ironwood	8	6	L	RT	IN TM
811	Olineya tesota - Desert ironwood	12	L.	L	N.	SL TM
812	Oliveys tesota - Desert Ironwood	12	M	M	MIS	SL
813	Oliveya tesota - Desert ironwood	10	L.	L	LE.	SL DW
815	Otreya tesota - Desert ironwood	12+	. k.	L.	DY	
818	Oneya tesota - Desert ironwood	12+	1	1	DY	
820	Oliveya tesola - Desert ironwood	8	M	1	50	OW
823	Otherys tesola - Desert Ironwood	18+	<u> </u>	L .	DY	
824	Oliveya tesota - Desert ironwood	12	M	L.	50	
825	Oneya tesota - Desert Ironwood	6	M	M	VMS	LE
826	Oliveya tesota - Desert Ironwood	4	H	H	PS	
827	Otheya tesota - Desert Ironwood	8	H	H	PS PS	
828	Otreys tesota - Desert ironwood	8	н	н	PS	RD
829	Oliveya tesota - Desert ironwood	12+	- M	1	RT	ND .
831	Otheys tesols - Desert ironwood	8		1	DW	
833	Oliveya tesota - Desert ironwood Oliveya tesota - Desert ironwood	12	- M		TM	-
834	Olineya tesota - Desert Ironwood	8	M	1	RT	54
835	Oliveya tesota - Desert Ironwood	12+	L	1	DY	
838	Oliveya tesota - Desert Ironwood	12+	tt	L.	DY	-
839	Oineus tesota - Desert ironwood	10	M	L	RT	
840	Otheya tesota - Desert Ironwood	10	M	M	VMS	51.
841	Otheya tesota - Desert Ironwood	12	M	6	SZ.	51.
842	Oliveya tesota - Desert Ironwood	8	M	M	MS	1
843	Oliveya tesota - Desert ironwood	4	84	M	MRS	
844	Otheya tesota - Desert Ironwood	10	M	L	5Z	
845	Olineya tesota - Desert ironwood	12+	L.	L.	DY.	
846	Oneys tesota - Desert ironwood	6	84	6	TM	51
847	Oliveya tesota - Desert Ironwood	- 4	M	4		51
848	Oliveya tesola - Desert ironwood	12+	L	L	TM	SL
849	Oliveya tesota - Desert ironwood	6	M	M	VMS	SL.
850	Oliveya tesota - Desert ironwood	12	M	6	TM	51
851	Oliveya tesota - Desert ironwood	8	- 64	L.	TM	51
852	One ye te sota - De sert ironwood	12+	1	L.	DY	_
853	Oneys tesota - Desert ironwood	10	<u>M</u>	1	TM	
854	Oheya lesola - Desert Ironwood	8	M	M	TM	
855 856	Oliveya tesola - Desert ironwood Oliveya tesola - Desert ironwood	10	M	M	MS	
857	Oneya tesota - Desert ironwood	8	M	M	MS	51.
858	Oliveya tesota - Desert ironwood	10	L.	L	RD	DW
859	Ollege tesota - Desert Ironwood	6	M	M	MIS	DW
860	Oneys tesota - Desert ironwood	6	M	L.	RT	OW
861	Oneys tesota - Desert Ironwood	12+	1 L	L	TM	OW
862	Oneys tesola - Desert ironwood	12+	- M	L.	82	OW
863	Oneya tesota - Desert Ironwood	12+	L.	L.	DY	1
864	Oneys tesota - Desert Ironwood	10	L	L	DY	
865	Oliveya tesota - Desert Ironwood	6	M	M	MS	1.00
666	Oliveys tesota - Desert ironwood	12+	L	L	RT	N
667	Oliveya tesota - Desert Ironwood	12+	L L	L	RT	N
869	Ofreya tesota - Desert ironwood	6	84	M	MRS.	LB
#70	Oliveya tesola - Desert ironwood	12+	L	L.	DY	
871	Oneys lesols - Desert ironwood	12+	M	L.	TM	52
872	Oliveya tesota - Desert ironwood	8	M	м	MS	
874	Oliveya tesota - Desert ironwood	6	M	M	MS	
875	Oliveya tesota - Desert ironwood	8	M	M	MIS	
876	Oliveya tesota - Desert Ironwood	6	н	н	PS.	
\$77	Oliveya tesola - Desert ironwood	10	M	M	VMS	
878	Otheys tesota - Desert ironwood	4	н	н	PS	
879	Otheya tesola - Desert Ironwood	10	н	M	MS.	
880	Oliveya tesota - Desert ironwood	12+	L.	6	RD	TM
881	Oneya tesota - Desert ironwood	4	H	н	PS.	
	Oliveya tesota - Desert ironwood	12+	L	L	DY	
182	Construction of the second sec					

885	Oliveya tesola - Desert Ironwood	12.		1	RT	BL	
886	Oliveya tesota - Desert Ironwood	8	M	M	MS	-	
887	Oliveya tesota - Desert Ironwood	6	н	H	PS		
888	Oneya tesota - Desert ironwood	10	M	6.6	MS		
889	Oliveya tesota - Desert ironwood	8	M	L.	LB		
890	Oneya tesota - Desert ironwood	6	M	8.6	MS		
891	Olneya tesota - Desert Ironwood	6	M	- L	50		
892	Olineya tesota - Desert Ironwood	6	M	4	50		
893	Oliveya tesola - Desert Ironwood	8	L.	L.	50	RT	
895	Oliveya tesota - Desert ironwood	4	M	M	MS	_	
896	Olineya tesota - Desert Ironwood	6	M	L.	RT	_	
899	Oliveya tesota - Desert ironwood	12+	M	- L	RT	52	
900	Oliveya tesota - Desert ironwood		M	_ L	RT	_	
901	Oliveya tesota - Desert ironwood	10	. L	<u>k</u>	RT	_	
902	Oneya tesola - Desert ironwood	10	4	1	OY	_	_
903	Oliveya tesota - Desert ironwood	4	M	- 64	MS	-	_
906	Oneya tesola - Desert ironwood	12+	6		RT	TM	_
907	Oneya tesota - Desert ironwood	12+	-	-	DY		_
909	Oneya tesota - Desert ironwood	6	M	M	MS	-	
911	Oneya tesola - Desert ironwood	0	M	M	MS	DW	_
912	Oneya tesota - Desert Ironwood	0	M	- 64	VMS	50	_
913	Oneya tesota - Desert Forwood	0	H	H	PS	-	_
915	Oneya tesota - Desert Forwood		H	H	På		_
918 917	Oliveya tesola - Desert konwood	8	M	M	SO MS	-	_
919	Otheya tesota - Desert Ironwood Otheya tesota - Desert Ironwood		M	M	MS	-	
921	Oneya tesota - Desert ironwood	8	M	M	VMS	50	
922	Oneya tesota - Desert ironwood	10	M		01	50	
923	Oneya tesota - Desert Forwood	6	H	H	PS	14	_
924	Oneya tesota - Desert Ironwood	1	H	M	MS	LB	
925	Oliveya tesota - Desert ironwood	6	M	M	MS		
926	Oliveya tesota - Desert Ironwood	8	M	M	MS		
927	Oliveya tesota - Desert Forwood		M	M	MS	-	
928	Oliveya tesota - Desert ironwood	18+	L.	L	RD	-	
929	Olineya tesota - Desert ironwood	8	M	1	54		
930	Oneya tesota - Desert ironwood	0	L	L.	54		
931	Oneya tesota - Desert ironwood	8	L	L	RT		
932	Oneya tesota - Desert ironwood	6	L	L	RT	TM	
933	Otreya tesota - Desert ironwood	8	L	L	RT	TM	
935	Oneya tesota - Desert ironwood	12+	L	L	OY	1	
936	Oliveya tesota - Desert ironwood	12+	L	L	OY.		
937	Oliveya tesota - Desert Ironwood	12+	L	L	DY.		
938	Oliveya tesota - Desert ironwood	12+	L	L	DY.	SL	
939	Oliveya tesota - Desert ironwood	10	L.	- L	RD.	SL	
940	Olneya tesota - Desert Ironwood	0	M	M	VMS	so	
941	Oliveya tesota - Desert Ironwood	12+	L.	. L.	TM	RT	
942	Oneya tesota - Desert Ironwood	12	M	- L	TM	RT	
943	Oliveya tesota - Desert Ironwood	12+	L	- L	DY	-	
944	Oneya tesota - Desert Ironwood	12	L	4	OY		_
946	Otheya tesota - Desert Ironwood		M	M	VMS	-	
947	Oliveya tesota - Desert ironwood	12+	6	L.	TM	RT	
948	Offers tesola - Deserf Forwood		M	M	MS	-	_
949	Oneya tesota - Desert ironwood		M		<u>u</u> .	-	
950	Oliveya tesota - Desert Ironwood	12+	6	<u> </u>	OY	-	_
\$51	Oneya tesola - Desert Forwood	12	- h-		RT	DW	_
953	Oneya tesola - Desert Poneood	12+	M	-	81	DWV	_
954	Oneya tesola - Desert ironwood	4	н		54	MS	_
955	Oneya tesola - Desert konwood	12	-	-	51	DWY	
957	Oneya tesola - Desert tronwood	18-	M	-	52	TM	-
958	Oneya tesota - Desert ironwood	0	M	M	MS	50	_
959	Oneya tesota - Desert Ironwood	6		M	MS	50	
960	Oneya tesota - Desert Forwood	12+	M	-	TM	50	
961	Olineya tesota - Desert Ironwood	8	M	+	54	50	_
965	Oneya tesota - Desert Ironwood Oneya tesota - Desert Ironwood	12		1	54	SZ RT	
964	Oliveya tesola - Desert Ironwood	4	M	M	MS		
967	Olineya tesola - Desert Ironwood	8	M	L.	54	-	
969	Olivya tesota - Desert Ironwood	12	M	1	RT	TM	
970	Oliveya tesota - Desert ironwood	12	M	1	RT	TM	
974	Olineya tesota - Desert Ironwood	6	M	M	50	MS	
975	Oliveya tesota - Desert konwood	6	M	M	50	MS	
977	Oneya tesota - Desert ironwood	12	M	L	OW	52	
978	Oneya tesota - Desert Ironwood	8	M	M	MS	LB	
979	Oneya tesota - Desert Ironwood	8	м	M	MS	RT	
980	Oneya tesota - Desert ironwood	0	M	M	MS	BL	
981	Oliveya tesota - Desert Ironwood	8	M	M	MS	50	
982	Oliveya tesota - Desert konwood	0	M	м	MS	50	
983	Oneya tesota - Desert ironwood	0	M	M	MS	LB	
984	Oliveya tesota - Desert ironwood	0	L	L.	RT		
985	Oneya tesota - Desert ironwood	10	L	L	RT		
986	Oneya tesola - Desert ironwood	8	M	6	LB		
987	Oneya tesota - Desert ironwood	18+	M	4	52	TM	
988	Oneya tesota - Desert ironwood	8	L	L	\$0	TM	
989	Oneya tesota - Desert ironwood	18+	L	L	RT	TM	
991	Oneya tesota - Desert ironwood	18-	L	L.	RT	RD	SL
992	Oneya tesola - Desert ironwood	10	L	L	RT	TM	SL
993	Olneya tesota - Desert ironwood	12-	- L	L.	RT	TM	SL
994	Oneya tesota - Desert ironwood	12	L.	. k.	RT	TM	
996	Oneya tesota - Desert ironwood	6	M	M.	MS		
999 1000	Oheya tesota - Desert Ironwood Oheya tesota - Desert Ironwood	8	L.	L.	TM	DW	

1001	Olineya tesola - Desert ironwood	12+	L	L	SL	RT
004	Olineya tesota - Desert ironwood	6	M	M	VMS	
005	Oliveya tesota - Desert Ironwood	8	L	L	RT	
306	Oliveya tesota - Desert Ironwood	6	M	L	54	
007	Olineya tesola - Desert konwood	6	M	L	54	
8001	Olineya tesola - Desert ironwood	18+	M	6	TM	52
1009	Oneya tesola - Desert Ironwood	10	14	1	0W	50
1010	Oliveya tesola - Desert Ironwood	6	M.	M	MrS.	
1011	Oneya tesota - Desert Ironwood	10	M	M	WMS	OW
1012		12+			OW	
	Oneya tesota - Desert itorwood		- L			SL.
1017	Oneys tesots - Desert ironwood	12+	L	<u> </u>	RT	N
1018	Oneya tesota - Desert Ironwood	12	- L	- h-	RT	N
1023	Oneya tesota - Desert Ironwood	6	M	M	MIS	
1025	Oneya tesota - Desert Ironwood	8	M	M	MrS.	OW
10.26	Otreya tesola - Desert Ironwood	8.	M	M	MS.	50
1027	Cireys lesols - Desert Ionwood	8	M	M	MIS.	
1028	Oliveya tesola - Desert itorwood	8	M	M	IMS.	
1029	Oliveya tesola - Desert ironwood	8	M	M	MS	
1030	Oliveya tesota - Desert Ironwood	8	L	L	BL.	
1031	Olineya tesota - Desert Ironwood	6	M	M	VMS	
10.32	Olineya tesota - Desert Ironwood	8	N	M	VMS	
1033		6	M	M	VMS	_
	Oneya tesota - Desert itorwood					_
1034	Oneya tesota - Desert Forwood	8	M	M	VMS	
1036	Oneya tesota - Desert Forwood	10	M	1	-	OW
1037	Oliveya tesola - Desert korwood	12	L	L.	Pi	OW
1038	Okreye tesota - Desert konwood	12	- L	L.	N.	RT
1039	Oliveya tesola - Desert ironwood	10	M	M	MS	RT
1040	Olineya tesota - Desert ironwood	6	M	M	MS	RT
1041	Olineya tesota - Desert Ironwood	10	M	L	TM	RT
1042	Olineya tesota - Desert Ironwood	8	M	L	TM	RT
1043	Oneya tesota - Desert Ironwood	8	L	1	OW	RT
1045	Oneya tesola - Desert Forwood	12	1	1	OW	RT
1046		8	N		OW	RT
	Oliveya tesola - Desert korwood			1		RT
1047	Okreye tesola - Desert korwood	12+		1	OW	141
1048	Oneya tesola - Desert torwood	12+		1	DY	Print
1051	Oneya tesota - Desert Ironwood	12	L.	1	RT	DW
1052	Oliveya tesota - Desert ironwood	12	L.	<u> </u>	RT	TM
1054	Oliveya tesota - Desert Ironwood		M	6	RT	
1056	Otreya tesota - Desert korwood	12+	M	6	RT	TM
1059	Olneya tesota - Desert konwood	18+	L.	6	52	OW
1060	Oneya tesola - Desert Ironwood	10	M	6	RT	DW
1062	Oliveya tesola - Desert konwood	10	M	L	TM.	OW
1063	Oneya tesola - Desert Ironwood	12+	M	6	TM	52
1064	Oliveya tesola - Desert ironwood	6	M	M	MS.	-
1065		8	M	M	MS	-
	Oneys tesols - Desert itonwood				_	21
1066	Oneya tesota - Desert konwood	6	M	M	MS	51
1067	Oneya tesola - Desert Itorwood	8	M	M	VMS	51
1068	Oneya tesota - Desert ironwood	12+	M	6	52	54
1071	Otreya tesota - Desert konwood	4	M	M	MS.	L8
1072	Okreya lesola - Desert korwood	12+	M	- L	52	1.8
1073	Oliveya tesola - Desert Ironwood	4	M	M	VMS	L8
1074	Oneys tesots - Desert ironwood	6	M	M	MS.	
1075	Olineya tesota - Desert ironwood	18+	M	L	SZ.	
1076	Otreya tesota - Desert Ironwood	12	N		50	
1077	Oliveya tesola - Desert Ironwood	4	N	M	MS	
1078		8	M	M	MS	-
	Oneya tesola - Desert itorwood		-			0.7
1079	Oneya tesota - Desert Forwood	10	<u>L</u>	-	TO	RT
1080	Oneya tesota - Desert Ironwood	8	M	M	MS	
1082	Oliveys tesola - Desert konwood	12+	M	1	DY	-
1085	Okeya tesola - Desert ironwood	8	M	1	TM	DW
1086	Oneys tesols - Desert ironwood	. 8	M	м	M/S	OW
1087	Oliveya tesota - Desert Ironwood	12+	L.	L	RT	DW
1090	Otreya tesota - Desert Itorwood	8	M	L	54	
1091	Olineya tesota - Desert ironwood	6	L.	L	54	
1092	Oneya tesota - Desert Ironwood	8	M	M	MS	
1094	Otreya tesola - Desert ironwood	6	M	M	MrS.	
1095		10	M	M	MS	
	Oneys tesols - Desert torwood		M		TM	_
1096	Oliveya tesola - Desert konwood	10		-÷-		
1097	Oneys tesols - Desert itorwood	10	N	1	RT	_
1098	Oneya tesota - Desert Ironwood	10	M	<u> </u>	50	-
1099	Oliveya tesola - Desert Ironwood	10	M	L .	50	DW
1100	Oliveya tesota - Desert Ironwood	.12	L	L	50	TM
1101	Olineya tesota - Desert ironwood	8	L.	L	50	LE
1102	Oliveya tesola - Desert ironwood	8	M	M	VMS.	
1103	Oneys lesols - Desert Ironwood	8	N.	L	LE.	
1106	Oliveya lesola - Desert Ironwood	6	M		LE.	OW
1108	Oneya tesola - Desert Porwood	6	N	M	MS.	
1109	Oheya tesota - Desert itorwood	0	M	M	MS	
1110	Oneys tesota - Desert itorwood	18+	M	1	SZ	_
1112	Olleys tesota - Desert Ironwood	10	L	L.	DY.	_
1113	Oliveya tesota - Desert Ironwood	8	M	<u> </u>	50	
1114	Oireya tesola - Desert ironwood	10	<u>k</u>	6	8.	OW
1115	Olineya tesola - Desert ironwood	10	M	M		
1117	Oliveya tesota - Desert Ironwood	12+	M	L	84	RT
1118	Otreys lesots - Desert Ironwood	8	M	1	50	
1119		12+		1	OY	
	Oneya tesola - Desert torwood		-	1		
	Oliveya tesola - Desert konwood	12+	6	1	OY	_
1122		10	M	1.1	DY	
1123	Oneya tesola - Desert itorwood					
1122 1123 1128	Oneya tesola - Desert Ironwood Oneya tesola - Desert Ironwood	12+	M	L	RT	DW
1125				L.		DW DW



SRS	35974 S. Desert Sun Drive Tucson, AZ 85739 (520) 909-4678
ARDARBETBLLG	gregs@grslandscapearchite

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n Drive	Dote:	4/9/21	Design Review Construction Documen
	Drewn by:	LMW	IS Agency Submittel
earchitects.com	Checked by:		Construction Set S Not for Construction

1132 Otherga tescial - Deart Formeodo 124 L L H M						_			
1130 Dreng Issala - Desert Formeodo 8 M M MS M 1130 Dreng Issala - Desert Formeodo 12 M L DWU 1131 Dreng Issala - Desert Formeodo 8 M M MS 1131 Dreng Issala - Desert Formeodo 8 M L TM DWU 1141 Dreng Issala - Desert Formeodo 18 M L TM DWU 1144 Dreng Issala - Desert Formeodo 18 M L NT DWU 1144 Dreng Issala - Desert Formeodo 8 M L NT DWU 1146 Dreng Issala - Desert Formeodo 10 L L DT DWU 1146 Dreng Issala - Desert Formeodo 10 L L DT DT DWU NT 1150 Dreng Issala - Desert Formeodo 12 L L DT DT DWU DWU DWU DWU DWU DWU DWU DWU DW	1132	Oneya tesota - Desert konwood		12	L	L	RT	52	
1136 Omega seata - Geard Forwando 8 M <t< td=""><td></td><td></td><td></td><td></td><td>14</td><td>8.0</td><td>ALC:</td><td></td><td></td></t<>					14	8.0	ALC:		
1135 Orney state - ceart forward 12 M L DW 1137 Orney state - ceart forward 8 M L TM W 1137 Orney state - ceart forward 8 M L TM W 1141 Orney state - ceart forward 12 M L TM W 1141 Orney state - ceart forward 14 L K TM W 1141 Orney state - ceart forward 8 M L K TM W 1142 Orney state - ceart forward 8 M L K TM W 1143 Orney state - ceart forward 15 L L Orn TM TM 1150 Orney state - ceart forward 15 L L Orn TM TM 1150 Orney state - ceart forward 15 L L Orn TM 1150 Orney state - ceart forward 15 L L Orn <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>-</td> <td>-</td> <td></td>					_		-	-	
1130 Densy testa: Cesart Forward 4 M <th< td=""><td>1134</td><td>Otreya tesota - Desert tromwood</td><td>_</td><td></td><td>M</td><td>M</td><td>MS.</td><td></td><td></td></th<>	1134	Otreya tesota - Desert tromwood	_		M	M	MS.		
1130 Densy testa: Cesart Forward 4 M <th< td=""><td>1134</td><td></td><td></td><td>12</td><td>5.0</td><td>E.</td><td>DW</td><td></td><td></td></th<>	1134			12	5.0	E.	DW		
1120 Oneya tenda - Generi Forwando 8 M L. TM UNIT 1130 Oneya tenda - Generi Forwando 12* L. L. TM WI 1141 Oneya tenda - Generi Forwando 12* L. L. TM WI 1142 Oneya tenda - Generi Forwando 18* M. L. FT 1146 Oneya tenda - Generi Forwando 8 M. L. FT WI 1146 Oneya tenda - Generi Forwando 10 L. L. OT WI 1150 Oneya tenda - Generi Forwando 10 L. L. OT WI 1150 Oreya tenda - Generi Forwando 12* L. L. OT WI TM 1161 Oreya tenda - Generi Forwando 12* L. L. OT WI TM 1161 Oreya tenda - Generi Formando 12* L. L. OT TM TM 1161 Oreya tenda - Generi Formando 12* L.									
1130 Chevys teols. Desert Investod 12+ L L TW DW 1142 Chevys teols. Desert Investod 18+ M L RT 1143 Chevys teols. Desert Investod 8+ M L RT 1144 Chevys teols. Desert Investod 8 M L RT 1147 Chevys teols. Desert Investod 8 M L TT DW 1147 Chevys teols. Desert Investod 8 M L TT DW 1150 Chevys teols. Desert Investod 10 L L OT RT 1150 Chevys teols. Desert Investod 10 L L OT RT 1150 Chevys teols. Desert Investod 12+ L L OT RT 1150 Chevys teols. Desert Investod 12+ L L OT RT 1150 Chevys teols. Desert Investod 12+ L L OT RT N 1151			_			M		-	
1130 Othery tends - Desert Immedol 12* L L TM D/W 1140 Othery tends - Desert Immedol 18* L L TM TM 1140 Othery tends - Desert Immedol 18* L L TM 1141 Othery tends - Desert Immedol 8 M L TM 1147 Othery tends - Desert Immedol 8 M L TM 1147 Othery tends - Desert Immedol 8 M L TM 1147 Othery tends - Desert Immedol 10 L L OT#T TM 1156 Othery tends Desert Immedol 10 L L OT#T TM 1156 Othery tends Desert Immedol 12* L L OT#T TM 1156 Othery tends Desert Immedol 12* L L OT#T TM 1157 Othery tends Desert Immedol 12* L L OT#T TM	1137	Oliveya tesota - Desert Forwood		8	M	1	TM		
1142 Chryst teols. Desert Ionesod 12* L L N 1142 Chryst teols. Desert Ionesod 18* M L N 1143 Chryst teols. Desert Ionesod 8 M L N 1144 Chryst teols. Desert Ionesod 8 M L N 1146 Chryst teols. Desert Ionesod 8 M L N 1150 Chryst teols. Desert Ionesod 6 F MSD N 1150 Chryst teols. Desert Ionesod 10 L L. C OT RT 1151 Chryst teols. Desert Ionesod 12* L L. C OT RT 1161 Chryst teols. Desert Ionesod 12* L L. C OT RT 1170 Chryst teols. Desert Ionesod 12* L L. C OT RT 1171 Chryst teols. Desert Ionesod 12* L L OT 1170 Chryst teols. Desert Ionesod 12* L L OT 1171 <t< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td>Dide</td><td></td></t<>			-					Dide	
1142 Chryst teols Desert formedol If# M L RT 1144 Chryst teols Desert formedol 8 M L RT 1144 Chryst teols Desert formedol 8 M L TM DW 1147 Chryst teols Desert formedol 8 M L TM DW 1156 Chryst teols Desert formedol 0 L L OT RT 1150 Chryst teols Desert formedol 10 L L OT RT 1150 Chryst teols Desert formedol 12 L L OT RT 1150 Chryst teols Desert formedol 12 L L OT RT TM 1172 Chryst teols Desert formedol 12 L L OT RT TM 1176 Chryst teols Desert formedol 12 L L OT RT TM <tr< td=""><td></td><td></td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td></td></tr<>			-		-				
1142 Otherys tesola Description Itel M L R.Z 1144 Otherys tesola Description B M L RT 1144 Otherys tesola Description B M L TT 1147 Otherys tesola Description B M L L L DT 1159 Otherys tesola Description B M L TT DT 1150 Otherys tesola Description Description TT DT TT DT DT L L OT RT TT 1150 Otherys tesola Description Dt L L OT RT TT 1150 Otherys tesola Description Dt L L OT TT TT 1150 Otherys tesola Description Dt L L OT TT TT 1151 Otherys tesola Description	1141	Oneya lesola - Desert konwood		12+	6	6		NT	
1142 Cherys tesola - Desert forwards Ib L L RT 1146 Cherys tesola - Desert forwards 8 M L TM 1147 Cherys tesola - Desert forwards 8 M L TM 1150 Cherys tesola - Desert forwards 19 L L TM 1150 Cherys tesola - Desert forwards 19 L L OT RT 1151 Cherys tesola - Desert forwards 19 L L OT RT TM 1161 Cherys tesola - Desert forwards 12 L L OT RT TM 1170 Cherys tesola - Desert forwards 12 L L OT TM 1170 Cherys tesola - Desert forwards 12 L L OT TM 1171 Cherys tesola - Desert forwards 8 F US US TM 1172 Cherys tesola - Desert forwards 8 L L EC TTM TM <td>1142</td> <td></td> <td>_</td> <td>18+</td> <td>34</td> <td>1</td> <td>11.7</td> <td></td> <td></td>	1142		_	18+	34	1	11.7		
1144 Otherys Iseola - Desert Tormeod 8 M L. TT 1147 Otherys Iseola - Desert Tormeod 8 M L. TM DW 1147 Otherys Iseola - Desert Tormeod 8 M L. L. C. OTF FT 1150 Otherys Iseola - Desert Tormeod 10 L. L. C. T.R.T. TM 1150 Otherys Iseola - Desert Tormeod 10 L. L. C.T.R.T. TM 1160 Otherys Iseola - Desert Tormeod 12 L. L. C.T.R.T. TM 1170 Otherys Iseola - Desert Tormeod 12 L. L. C.T.R.T. TM 1171 Otherys Iseola - Desert Tormeod 12 L. L. C.T.T.M. TM 1172 Otherys Iseola - Desert Tormeod 12 L. L. C.T.T.M. 1180 Otherys Iseola - Desert Tormeod 8 F MS MS 1181 Otherys Iseola - Desert Tormeod 8 F MS </td <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td>-</td> <td></td>					_			-	
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11780 Chrugs besch - Desert transpool 122 L L OT TM 1180 Chrugs besch - Desert transpool 12 G SZ 1180 Chrugs besch - Desert transpool 12 G SZ 1180 Chrugs besch - Desert transpool 6 G MSS L 1180 Chrugs besch - Desert transpool 8 F MS TM 1180 Chrugs besch - Desert transpool 8 L L DW MS 1180 Chrugs besch - Desert transpool 8 L L EDW MS 1190 Chrugs besch - Desert transpool 8 L L EDW MS 1202 Chrugs besch - Desert transpool 12+ L L OFW MS MS 1203 Chrugs besch - Desert transpool 12+ L L OFW MS MS 1202 Ohrugs besch - Desert transpool 12+ L L OFW MS MS MS MS <td>1172</td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>DW</td> <td></td>	1172		_					DW	
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1272 Othega tesola - Desert Homeood 10 F TM DW 1273 Othega tesola - Desert Homeood 12* L L TM PF 1274 Othega tesola - Desert Homeood 6 G PS 1274 Othega tesola - Desert Homeood 6 G PS 1277 Othega tesola - Desert Homeood 6 F RT DW 1285 Othega tesola - Desert Homeood 6 F RT DW 1285 Othega tesola - Desert Homeood 6 F RT DW 1285 Othega tesola - Desert Homeood 6 F RT DW 1285 Othega tesola - Desert Homeood 12* L L RD DW 1286 Othega tesola - Desert Homeood 12* L L RD DW 1287 Othega tesola - Desert Homeood 12* L L RD DW RT 1302 Othega tesola - Desert Homeood 12* L L			-		-	-			
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1273 Otherya tesola - Desert Horwood 12* L L TM RT DW 1274 Otherya tesola - Desert Horwood 6 G P5 B 1277 Otherya tesola - Desert Horwood 6 G P5 B 1283 Otherya tesola - Desert Horwood 6 F RT DW	1272	Oneya tesota - Desert ironwood		10	F		TM	DW	
1274 Otheya tesota - Desert Iromeood 6 G PS 1277 Otheya tesota - Desert Iromeood 12* L L RT DW 18 1283 Otheya tesota - Desert Iromeood 6 F RT DW 18 1283 Otheya tesota - Desert Iromeood 6 F RT DW 124 1285 Otheya tesota - Desert Iromeood 6 F RT DW 124 1285 Otheya tesota - Desert Iromeood 6 F MS DW 1286 Otheya tesota - Desert Iromeood 10 L L RT DW 1281 Otheya tesota - Desert Iromeood 12* L L RT DW 1294 Otheya tesota - Desert Iromeood 10 F SL DW RT 1302 Otheya tesota - Desert Iromeood 10 L L L8 DW RT 1302 Otheya tesota - Desert Iromeood 10 L L L8 DW	1275		-			1			DW
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1312 Otreys Insola - Desert Horwood 10 L L RT DW OT 1316 Otreys Insola - Desert Horwood 8 L L RT DW OT 1319 Otreys Insola - Desert Horwood 10 F LB TM	1305 1306	Oliveya tesota - Desert Ironwood Oliveya tesota - Desert Ironwood							
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SPECIFIC PLAN SAGUARO & IRONWOOD INVENTORY

CORTARO 57



D NO 1322			VABLIT		<u> </u>		F
and the second	DESCRIPTION	5428	I	TRANS	C	DAMAE?	VTS.
	Oneya tesola - Desert Forwood	10	L	L	RT	OW	TN
123	Oheya tesota - Desert Ironwood	10	L	L	RT	OW	TN
3.26	Oliveya tesota - Desert ironwood	10	1.	1	RT	DW	TN
3.51	Oliveya tesota - Desert Ironwood	10	L	L	RD	DW	TM
332	Oliveya tesota - Desert Ponwood	12+	F		52	DW	LB
333	Oneya tesota - Desert Ironwood	12+	1	1	N	DW	1.8
3.54	Otwya tesola - Desert Ronwood	10	11	i.	or	OW	RI
335	Oliveya tesota - Desert ironwood	12+		1	or	RD	RT
3.56	Oneya tesola - Desert Ronwood	6		-	MS		-
		8			RT		-
338	Oneya tesola - Desert ironwood		\rightarrow	6		and a local division of the local division o	-
329	Otreya tesota - Desert Ironwood	6		-	MS	DW	-
340	Offers tesota - Desert Forwood	10	1		MS	DW	-
1342	Oliveya tesola - Desert ironwood	10	<u> </u>	<u> </u>	RT	RD	-
1346	Oneya tesota - Desert Porwood	6	1	h	RT	DW	_
1349	Otreya tesota - Desert ironwood	10	L.	L	RT	DW	
350	Otheya tesota - Desert Ironwood		L .	L	DY	_	
1352	Otreya tesota - Desert Ironwood	12	L.	L.	N.	RT	
1355	Oneya tesota - Desert ironwood	12	F.		OW	RT	
357	Oneya tesola - Desert Ironwood	12+	L	L.	RD	RT	
1358	Oliveya tesota - Desert konwood	10	L	L.	OW	RT	
1366	Oliveya tesota - Desert konwood	12+	L	L	D/Y		
1367	Otreya tesota - Desert tonwood	10	1		MS	-	
1360	Otheya tesota - Desert ironwood	12+	1	1	TM	0W	-
370		12+			TM	OW	RT
1371	Otwya tesota - Desert Ironwood				TM	DW	-21
	Oliveya tesota - Desert ironwood	12	\rightarrow	- L	TM		
1376	Offerya tesota - Desert Forwood	6	1			DW	RT
377	Oneya tesota - Desert ironwood	12+	1	L.	DY	-	-
1380	Oneya tesota - Desert Porwood	0	F		MS	OW	_
1381	Olleya tesota - Desert konwood	6	P.		MS	OW	
1383	Otheya tesota - Desert Itohwood	12	F.		52		
384	Ollerya tesota - Desert konwood	12+	1		52		
389	Oliveya tesola - Desert Ironwood	12+	L.	6	RT	0W	
1391	Oheya tesola - Desert Forwood	12	L.	L.	RT	OT	TN
394	Otreya tesola - Desert Ironwood	12	11	1	DY	-	1
397		6	\rightarrow	-	MS	-	-
	Oliveya tesola - Desert konwood		1	-	TM	Part	-
400	Otwya tesota - Desert Forwood	10	A			OW	-
405	Offerse tesota - Desert Forwood	4			MS	OW	-
406	Oliveya tesota - Desert ironwood	12	- h	L	DY	-	-
407	Oineya tesota - Desert konwood	12+	6	- b	OW	RT	
411	Olleya tesota - Desert Forwood	12	F		TM	1.0	
412	Otreya tesola - Desert ironwood	10	L	L.	RT	TM	
413	Oliveya tesota - Desert Ponwood	12+	11	1	RT	OT	RC
414	Otwys tesola - Desert tonwood	12+	1	1	RT.	or	1
417					RT	OT	Th
	Oneya tesola - Desert Forwood		1	-	£1.00		-
418	Oheya tesola - Desert Ionwood				51	58	÷
419	Oliveya tesota - Desert Ironwood		1	_	MS	SR	-
421	Oliveya tesota - Desert ironwood	12+	1	-	5Z	-	-
423	Oliveya tesota - Desert Ironwood	12	1.6	L	RT	1	
425	Oliveya tesota - Desert Forwood	6	1		TM	DW	
426	Oneya tesota - Desert Forwood	10	F		TM	OW	
427	Oneya tesola - Desert Ronwood	12	0	_	82	-	-
428		10				RD	-
	Ofwya tesota - Desert Forwood		<u> </u>	-	DW RT		-
429	Offerya tesota - Desert Forwood	12	<u> </u>	- A-		0T	-
432	Otreya tesola - Desert Ironwood	12+	0	_	52	-	-
433	Otheya tesota - Desert Ponwood	10	1	_	DW	RT	_
434	Otheya tesota - Desert ironwood	12+	P		5Z.	TM	1
436	Oneya tesola - Desert Ironwood	6	1		MS	DW0	
437	Otreya tesota - Desert ironwood	6	1		MS	DW/	
4.59	Otreya tesota - Desert ironwood	10	L	L	01	OW	RT
440	Oneya tesota - Desert ironwood	6	G		PS	-	-
1441	Oneya tesota - Desert Ponwood	6	0		PS		-
1444				-	PS		-
	Oneya tesota - Desert ironwood	6	0			-	-
1447	Offerja tesota - Desert Forwood	12+	1		RD	RT	
1452	Oliveya tesola - Desert ironwood	12	<u> </u>	h	DWV	RT	-
1453	Oliveya tesola - Desert ironwood	12+	6	. h.	DW	RT	0
1457	Oneya tesola - Desert ironwood	6	1		C/W	MS	
459	Otreya tesota - Desert Ironwood	12+	L	L.	DWV	RD	
1460	Oliveya tesota - Desert Ironwood	12+	L	L	DY		
463	Oheya tesota - Desert Ironwood	6	1		MS	0W	
464	Oheya tesota - Desert Ironwood	6	1		81	OW	-
	The second second second						-
	CRW18 MISOTA - Detail Inclusion	12+	L	1	LATE .		
467	Oneya tesota - Desert Ionwood Otwwa tesota - Desert Ionwood	12+	L.	L.	DY	BIT.	-
467 468	Oliveya tesota - Desert Ironwood	10	F.	L	OW	RT	F
467 468 472	Oneya tesota - Desert Ironwood Oneya tesota - Desert Ironwood	10	1		0W TO	RT	F
467 468 472 473	Oliveya tesota - Desert Ronwood Oliveya tesota - Desert Ronwood Oliveya tesota - Desert Ronwood	10 12 12	1	L L	07 10	RT RT	Ē
467 468 472 473 475	Otrega tesola - Desert Ironwood Otrega tesola - Desert Ironwood Otrega tesola - Desert Ironwood Otrega tesola - Desert Ironwood	10 12 12 12	1 1 L		OW OT OT	RT RT RT	
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467 468 472 473 475 475 476 478	Oliveya tesota - Desert Ironwood Oliveya tesota - Desert Ironwood	10 12 12 12 12 10 10			OT OT VMS VMS	RT RT SZ DW	
467 468 472 473 475 476 478 480	Oliveya tesota - Desert Ionwood Oliveya tesota - Desert Ionwood	10 12 12 12 10 10 8			OT OT VMS RT	RT RT SZ DW DW	
467 468 472 473 475 476 478 480	Oliveya tesota - Desert Ironwood Oliveya tesota - Desert Ironwood	10 12 12 12 12 10 10			OT OT VMS VMS	RT RT SZ DW	
467 468 472 473 475 476 478 480 481	Oliveya tesota - Desert Ionwood Oliveya tesota - Desert Ionwood	10 12 12 12 10 10 8			OT OT VMS RT	RT RT SZ DW DW	
487 468 472 475 475 475 476 480 481 482	Oliveya tesota - Desert Ilonwood Oliveya tesota - Desert Ilonwood	10 12 12 12 12 12 10 10 8 10 10 10			OW OT OT VMS RT RT MS	RT RT SZ DW DW	
487 468 472 473 475 476 478 480 481 480 481 480	Oliveya tesota - Desert Ionwood Oliveya tesota - Desert Ionwood	10 12 12 12 10 10 8 10 10 8			OW OT OT VMS AT AT MS MS	RT RT SZ DW DW	
467 468 472 473 475 476 478 478 478 480 481 482 490 491	Oliveya Insola - Desert Isoneood Oliveya Insola - Desert Isoneood	10 12 12 12 10 10 10 8 10 10 8 8 10 10 8 8 8			OW OT OT VMS RT RT MS MS MS	RT RT SZ DW DW TM	
467 468 472 473 475 476 478 480 481 480 491 490 491	Oliveya tesota - Desert Ionwood Oliveya tesota - Desert Ionwood	10 12 12 12 10 0 8 9 0 0 8 8 6 6	FF-L-FF-GFFF		OW OT OT VMS RT RT MS MS MS MS	RT RT SZ DW DW TM SL	
467 468 472 473 475 476 478 478 480 481 482 490 491 493 497	Okeya tesota - Desert Isnesood Okeya tesota - Desert Isnesood	10 12 12 12 10 10 10 8 10 10 8 8 8 6 6 6	F F L F F G F F F F F		OW OT OT VMS RT RT MS MS MS MS MS	RT RT SZ DW DW TM SL DW	
467 468 472 473 475 476 478 480 481 482 490 491 493 497 500	Oliveya tesota - Desert Isoneood Oliveya tesota - Desert Isoneood	10 12 12 12 12 12 12 12 12 12 12 12 12 12	FF-L-FF-GFFF		OW OT OT VMS RT RT MS MS MS MS MS	RT RT SZ DW DW TM SL	
467 468 472 473 475 476 478 478 478 480 481 482 490 491 493 497 500	Okeya tesota - Desert Isnesood Okeya tesota - Desert Isnesood	10 12 12 12 10 10 10 8 10 10 8 8 8 6 6 6	F F L F F G F F F F F		OW OT OT VMS RT RT MS MS MS MS MS	RT RT SZ DW DW TM SL DW SL DW OW	
4467 4468 472 473 475 476 478 478 480 481 480 481 482 490 491 493 497 500 502	Oliveya Insola - Desert Iloneood Oliveya Insola - Desert Iloneood	10 12 12 12 12 12 12 12 12 12 12 12 12 12	* *	L L	OW OT OT VMS AT AT MS MS MS MS MS MS MS	RT RT SZ DW DW TM SL DW	
487 488 472 475 475 475 475 475 475 475 475 475 475	Okeya tesota - Desert Ismeood Okeya tesota - Desert Ismeood	10 12 12 12 10 10 8 6 6 6 6 6 6 12	F F L F F G F F F F F	L 	OW OT OT VMS AT AT MS MS MS MS MS MS MS MS DY DW	RT RT SZ DW DW TM SL DW SL DW OW	
487 488 472 473 475 476 477 477 477 477 477 477 477 477 477	Oliveya Insola - Desert Isoneood Oliveya Insola - Desert Isoneood	10 122 122 122 10 10 10 10 8 6 6 6 6 6 6 6 6 6 6	5 5 J. J. 8 5 6 0 5 5 5 5 5 5 J.	L L	DW OT OT VMS AT AT MS MS MS MS MS MS MS DV DW DW	RT RT SZ DW DW TM SL DW SL DW OW	
4467 4468 4472 475 4478 4478 4470 4471 4480 4491 4490 3500 3500 3500 550	Oliveya Insola - Desert Isonecod Oliveya Insola - Desert Isonecod	10 12 12 12 10 10 10 10 10 10 10 10 8 8 6 6 6 6 12 6 6 72	5 5 J. J. 8 5 6 0 5 5 5 5 5 5 J.		OW OT OT VMS RT RT MS MS MS MS MS MS MS MS MS MS DY DW DW DW	RT RT SZ DW DW TM SS DW DW RT TM RT	
4467 4468 4472 475 4478 4470 4470 4470 4470 4470 500 5500 5500	Okeya tesota - Desert Ismeood Okeya tesota - Desert Ismeood	10 12 12 12 10 10 10 10 8 50 10 10 6 6 6 6 12 12 *************************	5 5 J. J. 8 5 6 0 5 5 5 5 5 5 J.		DW OT OT VMS RT RT MS MS MS MS MS DY DW DW DW	RT RT SZ DW DW TM SL DW DW TM SL DW RT TM RT RT	
487 488 4472 4472 4473 4473 4473 4473 4480 4491 4490 4491 4490 550 550 550 550 550 550	Oliveya tesota - Desert Isneecod Oliveya tesota - Desert Isneecod	10 12 12 12 12 10 10 10 10 10 10 10 10 10 10 10 10 10	* * · · · · * * * 0 * * * * * * * · · · ·		DW OT OT VMS RT RT MS MS MS DW DW DW RD	RT RT SZ DW DW TM SL DW DW RT RT RT RT RT RT	
487 488 472 475 475 475 475 475 475 475 475 475 475	Oliveya Insola - Desert Isneood Oliveya Insola - Desert Isneood	10 12 12 12 10 10 10 8 8 50 10 10 8 8 6 6 6 6 51 2 6 52 12 12 12 12 12 12 12 12 12 12 12 12 12			DW OT OT VMS RT RT MS MS MS DW DW RD DW RD	RT RT SLOW DW SLOW RT RT RT RT RT RT RT	
487 488 4472 4473 4473 4473 4473 4473 4480 4490 4490 5500 5500 5500 5500 5500 550	Oliveya tesota - Desert Isneecod Oliveya tesota - Desert Isneecod	10 12 12 12 12 12 10 0 8 50 0 6 8 6 6 6 6 6 6 6 52 12 4 50 12 50 12 50 12 50 10 10 10 10 10 10 10 10 10 10 10 10 10	**************************************		DW OT OT VMS RT RT MS MS MS DW DW DW RD	RT RT SZ DW DW TM SL DW DW RT RT RT RT RT RT	
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487 448 472 475 475 475 475 475 475 475 555 555 555	Oliveya tesota - Desert Isnecood Oliveya tesota - Desert Isnecood	10 12 12 12 12 12 10 0 0 0 0 0 0 0 0 0 0	* *		DW OT OT VMS RT RT MS MS MS DVW DW DW DW DW DW DW DW DW DW DW DW DW DW	RT RT SZ DW DW TM SL DW DW RT RT RT RT RT RT RT RT RT RT RT SL RT	0
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487 488 472 473 473 473 473 473 473 473 473 473 473	Okeya tesota - Desert Isneood Okeya tesota - Desert Isneood	10 122 122 10 10 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	**************************************		OW OT OT OT WMS RT RT MS MS MS MS MS DVW DWW DWW DWW DWW DWW RD RD S OT W PS	RT RT SZ DW DW TM SL DW DW RT RT RT RT RT RT RT RT RT RT RT SL RT	01
487 468 472 473 473 473 473 478 489 489 489 489 512 512 512 512 512 512 512 512 512 512	Okreya tesota - Desert Isnesood Okreya tesota - Desert Isnesood	10 12 12 12 12 10 10 10 10 10 10 10 10 10 10 10 10 10	00144111111444444404411144		OW OT OT OT SHA SHS MS MS MS MS MS DVW DWW RD DWW RD DWW RD DWW RD DWW RD PS PS	RT RT SZ DW DW TM SS DW DW TM SS RT RT SS RT RT	01
487 488 472 473 475 475 475 475 475 475 475 475 475 475	Oliveya tesota - Desert Isneood Oliveya tesota - Desert Isneood	10 12 12 12 12 10 10 10 10 8 8 6 6 6 12 6 6 12 12 10 10 10 10 10 10 10 10 10 10 10 10 10	**************************************		OW OT OT OT VMS RT RT RT MS MS MS MS DV OW DWW ORD RD PS RT	RT RT RT S2 DW DW TM S5 DW DW RT RT RT RT RT RT RT RT DW DW	51
	Okeya tesota - Desert tornecod Okeya tesota - Desert tornecod	10 122 122 122 10 10 8 8 9 10 10 8 8 6 6 6 6 12 6 6 12 12 10 10 8 10 10 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	00144111111444444404411144		0W 0T 0T 0T 0T 0T 0T 0T 0T 0T 0T 0T 0T 0T	RT RT SZ DW DW TM SS DW DW TM SS RT RT RT RT RT RT RT RT RT RT RT DW DW DW	01 54
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\$32	Oneya tesota - Desert ironwood	10	1		VMS SZ
5.53	Otheya tesota - Desert ironwood	6	+		LE DW
534	Oliveya tesota - Desert ironwood	8	L	L.	RD TM
5.35	Oliveya tesota - Desert ironwood	10	F		VMS LB
\$37	Olineya tesota - Desert ironwood	12+	L	- L	RT DW
544	Oliveya tesola - Desert ironwood	12+	F.		L8 DW
545	Oliveya tesola - Desert ironwood	12+	L.	<u>k</u>	RD RT
546	Otreya tesola - Desert ironwood	.10	- L	- L	SL RT
548	Oliveya lesola - Desert ironwood	6	G		SL MS
549	Oliveya tesola - Desert ironwood	10	L	- L	SL DW
\$52	Oliveya tesola - Desert ironwood	12+	L	L.	RT DW
553	Oliveya tesota - Desert ironwood	10	- F		MS SO
15.54	Oliveya tesota - Desert Ironwood	0	G		MS 50
562	Oliveya tesota - Desert ironwood	12+	L	- L	RD RT
563	Oliveya tesola - Desert ironwood	4	G		PS
564	Oliveya tesola - Desert ironwood	12	L	L.	OT RT
566	Oliveya tesola - Desert ironwood	10	. F .		TM LB
568	Oliveya tesola - Desert Ironwood	6	F.	_	VMS DW
549	Overya tesola - Desert ironwood	12+	L.	- L	RT TM
\$77	Overya tesola - Desert ironwood		6	- L	RT SL
578	Otheya tesola - Desert Ironwood		- L	- L	RT SL DW
581	Otheya tesola - Desert ironwood	10		_	VMS SL
583	Offerya tesola - Desert Forwood	12	L	- L	L8 RT SO
584	Oliveya tesota - Desert ironwood	12+	<u>k</u>	- L	OT RT BL
589	Oliveya tesota - Desert ironwood	12+	L	- L	RT DW OT
590	Oliveya tesota - Desert ironwood	12+	L	<u>k</u>	RT DW OT
591	Oliveya tesota - Desert ironwood	12+	£	- k	RT DW LB
597	Offersa tesola - Desert Forwood	12	L.	-	RT DW
598	Otreya tesola - Desert ironwood	10	6	<u>k</u>	RT DW
600	Otreya tesola - Desert ironwood	12+	- L	6	RT DW
601	Otreya lesola - Desert Ironwood	12	L.	L.	RT DW OT
602	Oneya tesola - Desert ironwood	8	L	L	RT DW TM
600	Oneya tesota - Desert ironwood	4	F		MS SL
607	Oneya tesota - Desert ironwood	8.			TM DW
608	Oliveya tesota - Desert ironwood	8			MS
609	Oneya tesota - Desert ironwood	12+	1	. 6	RT RD DW
615	Otreya tesota - Desert ironwood	12+	L	L	RT RO DW
616	Otreya tesota - Desert ironwood	12+	F		L8 TM DW
618	Oneya tesota - Desert Ironwood	12+	6	L	RD TM DW
623	Oheya tesola - Desert Iromeood	10		L	RT DW
624	Oneya tesota - Desert Forwood	12	+		RT SL DW
625	Okeya tesota - Desert ironwood	8	L	- L	RT SL DW
626	Oneya tesota - Desert Innecod	8	1	- L	RT OT DW
630	Otreys tesots - Desert tomeood	0	Ğ	-	PS DI
631		8	G		MS LB
636	Oneya tesota - Desert torwood	12+			OT RT DW
637	Otreys tesots - Desert Ironwood		+	+	and the second se
	Oliveya tesota - Desert ironwood	12+	-	+	
639	Oreya tesota - Desert Forwood	10	-	-	- All and the second second
645	Otreya tesota - Desert ironwood	12+		-	RD DW RT
649	Otreya tesota - Desert ironwood	12+		-	TM DW RT
451	Otreya tesota - Desert ironwood			-	OT DW RT
655	Otreya tesola - Desert ironwood	12+		1	OT TM RT
656	Oheya tesota - Desert torrecod	6	-	-	RT DW
658	Citreya tesola - Desert ironwood			-	MS
659	Oneya tesola - Desert ironwood	8	- L	1	RT DW
661	Otreya tesota - Desert ironwood	12+	- L		RT DW
662	Oliveya tesota - Desert ironwood	10	F		MS DW
663	Oliveya tesola - Desert ironwood	6	. F	_	MS
664	Oliveya tesota - Desert ironwood	8	F.	-	MS
665	Otreya tesola - Desert Ironwood	12+	- L	4	RT N
6.70	Otreya tesola - Desert Ironwood	6	F		84.
671	Oneya tesota - Desert ironwood	12	F.		82
672	Oneya tesola - Desert ironwood	6			MS
675	Otreya tesota - Desert ironwood	10	L	4	RT DW
6.78	Otreya tesota - Desert ironwood	12+	L	L.	DY
679	Oliveya tesola - Desert ironwood	90			TM
683	Otheya tesota - Desert ironwood	10		1	VMS SZ
686	Otreys tesots - Desert ironwood	6	G		PS
687	Oliveya tesota - Desert ironwood	10	F		SL
688	Oliveya tesota - Desert ironwood	12+	F	-	OT RT
689	Oliveya tesota - Desert Ponwood	8		6	OT RT
690	Offerya tesota - Desert ironwood	6	+	-	SL RT
693	Oneya tesota - Desert Forwood	4	G	-	PS
694	Oneya tesola - Desert ironwood	6	1	-	LB
695		6	1	-	MS
703	Otreya tesola - Desert ionwood				
	Otreys tesots - Desert ironwood	0	+	+	
704	Oliveya tesota - Desert Ironwood		L		WG TO
	Oliveya tesota - Desert ironwood	4	G	-	PS RD RT
710	Oneya tesota - Desert ironwood	12+	L	-	
711	Oireya tesola - Desert Ironwood	12+	6	-	RD RT
712	Oliveya tesota - Desert ironwood	12	6		DY
716	Oneya tesola - Desert ironwood	8	G		PS
718	Oneya tesota - Desert ironwood	6	L.	6	RT DW
1720	Oneya tesola - Desert ironwood	12+	L	6	DY
721	Oneya tesola - Desert Ironwood	12			LB
722	Otreya tesota - Desert Ironwood	6			MS
1723	Oneya tesola - Desert Ironwood	12+	L.	L	OT RT
1727	Oliveya tesota - Desert ironwood	10		-	MS SZ
				-	52
	CRIMINA MILLION - Desert Increaced				
1728	Oneya tesola - Desert Ironwood Oneya tesola - Desert Ironwood	12+			52

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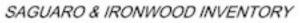


RS	35974 S. Desert Sun D
5NO	Tucson, AZ 85739 (520) 909-4678
ROPERCENTING	gregs@grslandscapea

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1902 1903 1904							
1903	Oliveya tesota - Desert ironwood	8	1	L	RT	DW	LE
	Oliveys tesota - Desert Forwood	10	F	· ·	VMS	SZ	RT
	Oliveya tesota - Desert Forwood	12+	F	-	52	TM	RT
			and the second second			1.04	PCI
905	Oliveya tesota - Desert ironwood	12+	L	1	DY	-	_
907	Oliveya tesota - Desert ironwood	6	. F		MIS	DW	
1908	Olineya tesota - Desert Ironwood	10	F		81.	OW	
909	Oliveya tesota - Desert ironwood	8	F		VMS	LB	
910	Cineya tesota - Desert Forwood	12	F		52	TM	
911	Olneya tesota - Desert Forwood	12+	L.	1 L	52	84,	RT
1912	Oneya tesota - Desert Forwood	12+	F		52	LB.	
1913	Oliveys tesoits - Desert Forwood	12+	6	L	52	1.8	_
915		12+					
	Oneys tesola - Desert ironwood		-	1	52	18	_
915	Oneya tesota - Desert Ironwood	10	-	1	LE.	LB.	
917	Oneys tesota - Desert Ironwood	12+	L	L.	DY	-	-
919	Oliveys tesota - Desert Ironwood	12	- L	1	1.0	DWV	0.
920	Olneya tesota - Desert Ironwood	12	F		LB	DW	_
921	Olneya tesota - Desert Ironwood		F.		RT	VMS	
922	Olneya tesota - Desert ironwood	12	F		RT	52	
923	Oliveya tesota - Desert Forwood	12+	F		RT	52	
924	Oliveya tesota - Desert ironwood	10	F		MRS		
925	Olineya tesota - Desert konwood	12+	F		RT	82	
1926	Olineya tesota - Desert ironwood	10	L	1	RT	TM	
			*	<u> </u>		VMS	
928	Oliveya tesola - Desert ironwood	8			OW		
929	Oliveya tesola - Desert konwood	8	F		0W	VMS	-
930	Offerya tesola - Desert Forwood	10	6	1	DW	RT	_
1931	Oliveya tesota - Desert ironwood	6	. F	_	VMS	LB	
933	Oliveya tesota - Desert Ironwood	12	F.		TM	RT	
934	Oliveya tesota - Desert ironwood	12	L.	L	OT	RT	
1937	Olineya tesota - Desert ironwood	12	L	L.	DY		
1938	Olineya tesota - Desert Ironwood	12+	L	L.	DY	-	
1939	Olineya tesota - Desert Forwood	12			RT	DW	
			4	4			
1940	Ofreya tesota - Desert ironwood	10	F	-	84	DW	
941	Oliveya tesota - Desert Ironwood	12+	6	1	TO	RT	_
1942	Oneya tesola - Desert konwood	8	6	1	OT	RT	_
1943	Oneys tesots - Desert konwood	12	L	1	OT	RT	81.
1944	Oneys tesola - Desert Forwood	12	L.	1	OT	RT	81
945	Oneya tesola - Desert Forwood	12+	L	L	DY		
945	Otheys tesots - Desert konwood	12+	L	L.	DY		_
947		12+			RT	MT	
	Oheya tesota - Desert Forwood		-	1			_
948	Oneys tesots - Desert ironwood	6			VMS	RT	_
949	Oliveya tesota - Desert Ironwood	12	6	1	DY	_	_
950	Oliveys tesota - Desert Ironwood	0	F.		MS		_
951	Olneys tesots - Desert ironwood	10	F		VMS.	-	
952	Olneya tesota - Desert Ironwood	6	F		PS		10 million
953	Oliveya tesola - Desert konwood	10	L	L	LE		
955	Olineya tesota - Desert konwood	12	5		TM	52	
958		8	*		LE	LB	
	Oliveya lesola - Desert konwood			-	RT		
957	Oliveya lesola - Desert Forwood	8				1.8	
958	Oneya tesola - Desert Forwood	12	L.	1	TM	LB	_
959	Oliveys tesola - Desert Ironwood	6	. F.		MS	-	
960	Oliveys tesots - Desert ironwood	12	L.	L.	RT	TM	TO
961	Oliveys tesots - Desert ironwood	12+	L	L.	RT	TM	TO
962			L	L	DY		
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	Otheys tesots - Desert Forwood	12+	F				
963	Oliveya tesota - Desert ironwood	8	F		RT	_	
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963 964 965 965 965 967 967	Olineya tesota - Desert Ironwood Olineya tesota - Desert Ironwood Olineya tesota - Desert Ironwood Olineya tesota - Desert Ironwood	8 12+ 12+ 12+ 8 8	F L L	L L	RT DY MT RT LE	01 01 01	
963 964 965 965 965 967 967	Oliveya tesota - Desert konwood Oliveya tesota - Desert konwood Oliveya tesota - Desert konwood Oliveya tesota - Desert konwood Oliveya tesota - Desert konwood	8 12+ 12+ 12+ 8	F L L	L L	RT DY MT RT RT	01 01	
963 964 965 966 967 969	Otreys tesots - Desert tonecod Otreys tesots - Desert tonecod	8 12+ 12+ 12+ 8 8			RT DY MT RT LE	01 01 01	
963 964 965 966 967 968 969 970	Otreys texts - Desert tonecod Otreys texts - Desert tonecod	8 12+ 12+ 12+ 8 8 10 12			RT DY MT RT RT LE RD BL	01 01 01 01 RT	or
963 964 965 966 968 969 970 971	Oliveya texota - Desert tonecod Oliveya tesota - Desert tonecod	8 12+ 12+ 12+ 8 8 10 12 12+ 12+			RT DY MT RT RT LE RD BL BL	01 01 01 RT RT	ot
963 964 965 966 967 969 970 970 971 972	Oheya texota - Desert tonecod Oheya texota - Desert tonecod	8 12+ 12+ 12+ 8 8 10 12 12+ 12+ 10			RT DY MT RT RT LE RD BL BL DL TM	01 01 01 01 RT	OT OT
963 964 965 966 967 968 969 970 971 972 972	Oliveys texots - Desert tonecod Oliveys texots - Desert tonecod	8 12+ 12+ 12+ 8 8 10 12 12+ 12+ 10 12+ 10 12+			RT DY MT RT RT LE RD BL BL BL DY	01 01 01 RT RT	
963 964 965 966 967 968 969 970 971 972 973 974	Otrega texota - Desert tonecod Otrega texota - Desert tonecod	8 12+ 12+ 12+ 8 8 8 10 12 12+ 10 12+ 10 12+ 12 12			RT DY MT RT LE RD BL BL DY DY DW	OT OT OT RT RT	
963 964 965 966 968 969 970 971 972 973 973 973 975	Oheya texota - Desert tonecod Oheya texota - Desert tonecod	8 12+ 12+ 12+ 8 8 8 10 12 12+ 12 12 12+ 12 12 12 12 12	* * · · · · · · · · · · · *		RT DY MT RT LE RD BL BL DY DW DW	01 01 01 RT RT	
963 964 965 966 967 968 969 970 971 972 973 974 975 975	Otheys tesots - Desert tonecod Otheys tesots - Desert tonecod	8 12+ 12+ 12+ 12+ 8 8 10 12 12+ 10 12+ 12+ 12+ 12+	F		RT DY MT RT RT LE RD BL BL TM DY DW DY	OT OT OT RT RT	
963 964 965 966 967 968 969 970 971 972 973 974 975 975	Oheya texota - Desert tonecod Oheya texota - Desert tonecod	8 12+ 12+ 12+ 8 8 8 10 12 12+ 12 12 12+ 12 12 12 12 12	arar or crire		RT DY MT RT LE RD BL BL DY DW DW	OT OT OT RT RT	
963 964 965 966 966 967 970 977 977 977 973 974 975 975 976 977	Oliveys texots - Desert tonecod Oliveys texots - Desert tonecod	8 12+ 12+ 12+ 12+ 8 8 10 12 12+ 10 12+ 12+ 12+ 12+	F L L L L L L G L F F L		RT DY MT RT RT LE RD BL BL TM DY DW DY	OT OT OT RT RT	
963 964 965 966 967 968 970 970 970 972 973 973 975 975 975 975 975	Ohreys tesots - Desert tonesod Ohreys tesots - Desert tonesod	8 12+ 12+ 12+ 12+ 8 8 10 12 12+ 12+ 12 12+ 12+ 12 12+ 12+ 12+ 12			RT DY MT RT RT LE RD BL BL TM DY DW DW DY RT	OT OT OT RT RT	
983 984 985 986 986 989 987 987 972 972 973 974 975 977 978 978 979	Ohreys texots - Desert tonecod Ohreys texots - Desert tonecod	8 12+ 12+ 12+ 12+ 8 8 10 12 12+ 12 12+ 12 12 12+ 12 12 12+ 10 10 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+			RT DY MT RT LE RD BL BL DY DW DW DW DY RT LB TM	OT OT OT RT RT	
983 984 985 986 986 986 987 970 977 977 977 977 977 978 977 978 979 978	Oliveys texots - Desert tonecod Oliveys texots - Desert tonecod	8 12* 12* 12* 12* 10 12* 10 12* 12 12 12* 10 12* 12* 12* 12* 10 12* 12* 12* 12* 12* 12* 12* 12* 12* 12*			RT DY MT RT RT RT RT BL BL BL BL DY DW DW DW DW DW DW DW DW DW DW DW DW DW	OT OT OT RT RT RT	
983 984 985 986 986 986 987 970 977 977 977 977 977 978 978 979 978 979 978 979	Ohreys tesots - Desert tonesod Ohreys tesots - Desert tonesod	8 12+ 12+ 12+ 12+ 10 11 12 12 12+ 10 10 10 10 10 10 10 10 10 10 10 10 10			RT DY MT RT RT RT RT BL BL BL BL DY DW DW DW DW DW DW DW RT LB TM DY RT	OT OT OT RT RT	
983 984 985 985 985 985 985 985 970 977 977 977 977 977 977 977 977 977	Ohrupa tesota - Desert tonesood Ohrupa tesota - Desert tonesood	8 12+ 12+ 12+ 8 8 8 10 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12+	*		RT DY MT RT RT LE RD BL BL BL BL DW DW DW DY RT LB MS	OT OT RT RT TM	
983 984 985 985 985 985 985 970 972 973 975 975 977 975 977 975 975 977 975 975	Oliveys texots - Desert tonecod Oliveys texots - Desert tonecod	8 12+ 12+ 12+ 8 8 8 10 12 12 12 12 12 12 12 12 12 12 12 12 12			RT DY MT RT RT LE RD BL BL TM DW DW DY RT LB TM ORT RD RT	OT OT OT RT RT RT	
983 984 985 985 985 985 985 970 975 975 975 975 975 975 975 975 975 975	Ohrupa tesota - Desert tonesood Ohrupa tesota - Desert tonesood	8 12+ 12+ 12+ 8 8 8 10 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12 12+ 12+	*		RT DY MT RT LE RD BL BL DY DW DW DW DW DW DW DY RT LB TM DY RT LB TM DY RT DY RT RT LE RD DY RT RT RT LE RD DY RT RT RT RT RT RT RT RT RT RT RT RT RT	OT OT OT RT RT RT TM OT	of
983 984 985 985 985 985 970 977 977 977 977 977 977 977 977 977	Oliveys texots - Desert tonecod Oliveys texots - Desert tonecod	8 12+ 12+ 12+ 8 8 8 10 12 12 12 12 12 12 12 12 12 12 12 12 12			RT DY MT RT RT LE RD BL BL TM DW DW DY RT LB TM ORT RD RT	OT OT RT RT TM	
983 984 984 985 986 986 986 970 970 977 977 977 977 977 977 977 977	Ohreys tesots - Desert tonesod Ohreys tesots - Desert tonesod	8 12+ 12+ 12+ 8 8 8 10 12 12+ 10 12+ 10 12+ 10 12+ 10 12+ 12 12+ 10 12+ 12 12+ 10 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+			RT DY RT RT LE RD BL BL DY DY RT LB DY RT LB DY RT LB DY RT DY C T DY RT RT RT RT RT RT RT RT RT RT RT RT RT	OT OT OT RT RT RT TM OT OW RT	DW
983 984 985 986 987 989 970 977 977 977 977 977 977 977 977 97	Ohreys texots - Desert tonecod Ohreys texots - Desert tonecod	8 12+ 12+ 12+ 12+ 12 12 12- 12 12- 12 12- 12 12- 12- 12-			RT DY MT RT RT LE RD BL BL BL BL BL BL DY RT LB DY RT LB DY RT DY RT DY RT DY RT CO T OT	OT OT OT RT RT RT TM OT	of
983 984 985 986 987 987 977 977 977 977 977 977 977 977	Ohrupa tesota - Desert tornecod Ohrupa tesota - Desert tornecod	8 12+ 12+ 8 8 10 12 12 12+ 10 12 12 12 12 12 12 12 12 12 12 12 12 12			RT DY MT RT RT RT RT RD BL BL DY DW DW DW DW DW DW DW DW DW DW DW DW DW	OT OT OT RT RT TM OT OW RT RT	DW
983 984 985 986 987 989 970 977 977 977 977 977 977 977 977 97	Ohrupa tesota - Desert torsecod Ohrupa tesota - Desert torsecod	8 12+ 12+ 12+ 12+ 12 12+ 10 12+ 12 12+ 10 12+ 12 12+ 10 12+ 12+ 10 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+			RT DY MT RT RT RT RT RD BL BL DY DW DY RT LB TM DW DW DY RT TM DY RT OY RT OY RT OY RT OY RT OY RT OY RT RT RT RT RT RT RT RT RT RT RT RT RT	OT OT OT RT RT RT TM OT CW RT RT TM	DW
983 984 985 986 986 970 970 977 977 977 977 977 977 977 977	Ohrupa tesota - Desert torsecod Ohrupa tesota - Desert torsecod	8 12+ 12+ 12+ 12+ 12 12 12- 12 12- 12 12- 12 12- 12 12- 12-			RT DY MT RT RT RT RT RT RD BL BL BL BL BL BL BL BL BL DY DW DW DW DW DW DW DW DW DW DW DW DW DW	OT OT OT RT RT TM OT OW RT RT	DW
983 1984 1985 1987 1987 1987 1987 1987 1987 1972 1973 1977 1977 1977 1977 1977 1977 1977	Ohrupa tesota - Desert tornecod Ohrupa tesota - Desert tornecod	8 12+ 12+ 8 8 10 12 12+ 10 12+ 12+ 10 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+			RT DY RT RT RT RT RT RD BL SL DY DW DW DW DW DW DW DW DY RT SL OY RT SL OY RT SL SL OY SL SL SL SL SL SL SL SL SL SL SL SL SL	OT OT OT RT RT RT TM OT RT RT RT RT	DW
983 986 986 986 986 986 986 986 987 977 977 977 977 977 977 977 977 977	Ohrupa tesola - Desert torsecod Ohrupa tesola - Desert torsecod	8 12* 12* 12* 10 12* 10 12* 10 12* 12* 10 12* 12* 10 12* 12* 10 12* 12* 10 12* 12* 10 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 12* 10 12* 10 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 12* 10 12* 12* 10 12* 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 12* 10 12* 12* 10 12* 12* 12* 10 12* 12* 12* 12* 10 12* 12* 12* 12* 12* 12* 12* 12*			RT DY RT RT RT RT RT BL BL BL DW DW DW DW DW DW DW DW DW RT RT RT MS RD OY OT OT OT OT SZ RT	OT OT OT RT RT RT TM OT CW RT RT TM	DW
983 1984 1985 1987 1987 1987 1987 1987 1987 1972 1973 1977 1977 1977 1977 1977 1977 1977	Ohrupa tesota - Desert tornecod Ohrupa tesota - Desert tornecod	8 12+ 12+ 8 8 10 12 12+ 10 12+ 12+ 10 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+ 12+			RT DY RT RT RT RT RT RD BL SL DY DW DW DW DW DW DW DW DY RT SL OY RT SL OY RT SL SL OY SL SL SL SL SL SL SL SL SL SL SL SL SL	OT OT OT RT RT RT TM OT CW RT RT TM RT TM RT TM	OY DW DW
983 986 986 986 986 987 987 977 977 977 977 977 977 977 977	Ohrupa tesola - Desert torsecod Ohrupa tesola - Desert torsecod	8 12* 12* 12* 10 12* 10 12* 10 12* 12* 10 12* 12* 10 12* 12* 10 12* 12* 10 12* 12* 10 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 12* 10 12* 10 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 12* 10 12* 12* 10 12* 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 12* 10 12* 12* 10 12* 12* 12* 10 12* 12* 12* 12* 10 12* 12* 12* 12* 12* 12* 12* 12*			RT DY RT RT RT RT RT BL BL BL DW DW DW DW DW DW DW DW DW RT RT RT MS RD OY OT OT OT OT SZ RT	OT OT OT RT RT RT TM OT CW RT RT TM	DW
983 984 985 989 989 989 987 972 973 977 975 975 975 975 975 975 975 975 975	Ohrupa tesota - Desert torsecod Ohrupa tesota - Desert torsecod	8 12+ 12+ 12+ 12+ 12 12 12 12 12 12 12 12 12 12			RT DY RT RT RT RT RT RT RT RT RT RT DY DW DY RT LE BL DY DW DY RT RT DW DY RT RT RT RT RT RT RT RT RT RT RT RT RT	OT OT OT RT RT RT TM OT CW RT RT TM RT TM RT TM	OY DW DW
983 9954 9955 9967 9972 977 977 977 977 977 977 977 977 9	Ohrupa tesola - Desert torsecod Ohrupa tesola - Desert torsecod	8 12* 12* 12* 10 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 12* 10 10 12* 10 10 10 10 12* 10 10 10 10 10 10 10 10 10 10			RT DY RT RT RT RT RT RT RT RT SL SL SL SL SL SL TM DY RT SL OV RT NS RD OV RT RT RT RT RT RT RT RT RT RT RT RT RT	OT OT OT RT RT RT TM OT CW RT RT TM RT TM RT TM	OY DW DW
983 986 986 986 986 987 987 977 977 977 977 977 977 977 977	Ohrupa tesota - Desert torsecod Ohrupa tesota - Desert torsecod	8 12+ 12+ 12+ 12+ 12 12 12 12 12 12 12 12 12 12			RT DY MT RT RT RT RT RT RT BD BL DY DW DW DW DW DW DW DW DW DW DW DW DW DW	OT OT OT RT RT RT TM OT CW RT RT TM RT TM RT TM	OY DW DW

CORTARO 57 SPECIFIC PLAN



sheet 8 of 9

0 NO.	VOOD INVENTO		1000	VABL	TY	-		-
	DESCRIPTION		5.21	in the second	TRANS	00	MALEN	TS.
998		Desert konwood	8	1.1	L	81	0W	
999		Desert Forwood	12	1	-	BL	TM	54.
000		Desert konwood	12	- L	L	BL	RT	OT
002		Desert ironwood	12	1 î	L.	OL.	RT	51.
003		Desert Forwood		1		MS		
004		Desert Ironwood	12+	6	L	RT	OT	TM
005		Desert Forwood	12+	1.0		SL	RT	-
006		Desert konwood	12	L	L	OT	RT	-
007		Desert konwood	12	12	1	OT	RT	TM
008		Desert konwood	10	12	-	VMS	RT	-
				1.0	+	MS	-	-
010		Desert Forwood	10		+	TM	100	100
012		Desert konwood	12+	1.	+		OT	RT
013		Desert konwood	10	1	-	VMS		-
014		Desert konwood	6	1	-	MS	LB	-
015		Desert ironwood	10	1		MS		
016		Desert Fonwood	12+	1	L .	RT	DW	TM
019	Oliveya tesota -	Desert ¥onwood	12	- L	L .	RT	DW	07
020	Oliveya tesofa -	Desert Forwood	12	L.	L	RT	DW	OT
022	Oliveya tesota -	Desert konwood	12	F.		TM	RT	OT
024	Oneya tesola -	Desert ironwood	12+	L.	L .	DWV	HT.	OT
028		Desert konwood	12+	P.		52	RT	OT
027		Desert ironwood	8	1		MS		
028		Desert Forwood	8	1.1	-	TM	_	-
029			1	1.	-	TM	-	-
		Desert konwood		-	1	TM	RT	07
031		Desert Forwood	12+	1	1		10	OT
032		Desert Forwood	10	1	-	MS.	-	-
033		Desert konwood			-	MS	2.0	-
034		Desert konwood	12+	1	1	RT	OT	-
035		Desert Forwood	6	1.1	-	LE_	-	-
0.54		Desert Forwood		1	-	TM		-
0.37	Oliveya tesota -	Desert ironwood	12+	L.	L	TO	RT	MT
038		Desert ironwood		F		MS		
0.59	Oliveya tesota -	Desert Forwood	12+	L	L	OT	RT	
041		Desert Ironwood	12+	F		TM	DW	
042		Desert ironwood	12+	L	L	RD	DW	RT
043		Desert konwood	8	L.	L	OT	OW	RT
044		Desert konwood		à	1	PS		-
045		Desert konwood	1	G		PS		
046		Desert konwood	12+	1	-	TM	5Z	-
048		Desert konwood	6	G	-	PS	-	-
			6	F	-	MS	ŪE.	-
049		Desert Forwood	6	1.	-	MS		-
050		Desert Forwood		1	-	VMS	TM	-
051		Desert konwood	10	1	-		TM	-
052		Desert innwood	12+	1	-	52		-
\$53		Desert Forwood			-	MS	LB	-
054		Desert konwood		1	-	MS	50	-
055		Desert konwood	12	<u>_</u>	L .	DW	\$0	-
054	Oliveya tesota -	Desert konwood	12	P.		DWV	52	
057		Desert Ironwood	6	P		M/S		
061		Desert Ironwood	0	P		MS		
062		Desert ironwood	12	F		SZ	1	
063		Desert konwood	12+	F	1	52	TM	-
064		Desert Forwood	12+	1 i	L	BL	DW	-
065		Desert konwood	10	\rightarrow	1	VMS	52	-
				-	1		RT	-
066		Desert tonecod	12	- ÷-	++-	DWV		-
067		Desert toneood	12+	++	1	52	u	50
668		Desert ironwood	12+	F	-	SZ	-	-
069		Desert konwood	6	F		MS		-
070		Desert ironwood		F	-	TM		_
071	Oneya tesota -	Desert ironwood	8	F		MrS.	1.8	
072	Oneya tesota -	Desert ironwood	8	F.		MS	1.8	
073		Desert Forwood	8	F			LB	
074		Desert ironwood	8	1		LE	LB	
075		Desert Ironwood	10	1		VMS	52	
076		Desert Ironwood	12	F		LB	52	
077		Desert ironwood	12+	L	L	TM	51	DW
079		Desert konwood	12	1 î	1	RT	OT	DW
080		Desert konwood	12+	L	L	RT	OT	DW
084		Desert konwood	8	F	1	so	LB	
085		Desert Ironwood	10	F	-	VMS	LB	-
086		Desert konwood	8	1.6	-	TM	OT	-
088		Desert ironwood	4	1.1	-	MS	LB	-
			6	1.1	-	MS	RT	-
100		Desert ironwood Desert ironwood			-	PS	10	-
			6	G	1		Dist	-
102		Desert konwood	12	F	1	LE	DW 67	-
103		Desert konwood	10		-	81	52	-
105		Desert konwood		F		MS	OW	-
107		Desert Forwood		1	1	81	OW	-
108		Desert Ironwood	10	F	-	LE	OW	-
		Desert ironwood	12+	F	-	52	TM	-
109	Oneya tesota -	Desert ironwood	10	F			TM	
110		Desert konwood	12	F		LB	TM	
		Desert ironwood	18+	F		SZ	TM	
110	Central resource -		4	G		PS		
110				F	-	RT	DW	
110 111 112 114	Oineya tesota -							_
110 111 112 114 115	Olneya tesota - Olneya tesota -	Desert ironwood	8	F	-	RT	1000	
110 111 112 114 115 116	Olneya tesota - Olneya tesota - Olneya tesota -	Desert konwood Desert konwood	12+	F	-	RT	52	-
110 111 112 114 115 116 117	Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota -	Desert konwood Desert konwood Desert konwood	12+	F		MrS.		
110 111 112 114 115 116 117 119	Olineya tesota - Olineya tesota - Olineya tesota - Olineya tesota - Olineya tesota -	Desert konwood Desert konwood Desert konwood Desert konwood	12+ 8 6	F		MS MS	LE	
110 111 112 114 115 116 117 119 120	Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota -	Desert konwood Desert konwood Desert konwood Desert konwood Desert konwood	12+ 8 6 12	F F F		MS MS SZ		
110 111 112 114 115 116 117 119 120	Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota -	Desert Konwood Desert Konwood Desert Konwood Desert Konwood Desert Konwood Desert Konwood	12+ 8 6 12 8	4 4 4 4		MS SZ RT		
110 111 112 114 115 116 117 119 120 121 122	Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota - Olneya tesota -	Desert konwood Desert konwood Desert konwood Desert konwood Desert konwood	12+ 8 6 12 8 10	# # # # # #		MS SZ RT MS		
110 111 112 114 115 116 117 119 120	Olneya tesota - Olneya tesota -	Desert Konwood Desert Konwood Desert Konwood Desert Konwood Desert Konwood Desert Konwood	12+ 8 6 12 8	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		MS SZ RT		
110 111 112 114 115 116 117 119 120 121 122 123	Olineya tesota - Olineya tesota -	Desert Forwood Desert Forwood Desert Forwood Desert Forwood Desert Forwood Desert Forwood Desert Forwood	12+ 8 6 12 8 10	# # # # # #		MS SZ RT MS		
110 111 112 114 115 116 117 120 121 122 123 124	Olineya tesota - Olineya tesota -	Desert Forwood Desert Forwood Desert Forwood Desert Forwood Desert Forwood Desert Forwood Desert Forwood Desert Forwood	12+ 8 6 12 8 10 8 10 8 12	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		MS SZ RT MS SZ	LE	
110 111 112 114 115 116 117 120 121 122 123 124 125	Olineya tesota - Olineya tesota -	Desert Innecod Desert Innecod Desert Innecod Desert Innecod Desert Innecod Desert Innecod Desert Innecod Desert Innecod Desert Innecod Desert Innecod	12+ 8 6 12 8 10 8 12 12 12+	* * * * * * * *	L	MS SZ RT MS		
110 111 112 114 115 116 117 119 120 121 122 123 124 125 128	Olineya tesota - Olineya tesota -	Desert knowood Desert knowood Desert knowood Desert knowood Desert knowood Desert knowood Desert knowood Desert knowood Desert knowood Desert knowood	12+ 8 6 12 8 10 8 12 12+ 12+ 12+	* * * * * * * * · · ·	L	MS SZ RT MS SZ TM TM	LE	
110 111 112 114 115 116 117 119 120 121 122 123 124 125 128 130	Cirreya tesota - Cirreya tesota -	Desert knowood Desert knowood	12+ 8 6 12 8 10 8 12 12+ 12+ 6	F F F F F F L G		MS SZ RT MS SZ TM TM PS	LE	
110 111 112 114 115 116 117 119 120 121 122 123 124 125 128 130 131	Cilrega tesota - Cirega tesota -	Desert tenwood Desert tenwood	12+ 8 6 12 8 10 8 12 12+ 12+ 12+ 12+ 6 8	FFFFFLGG		MS MS SZ RT MS SZ TM PS PS	LE	
110 111 112 114 115 114 115 116 117 120 121 122 123 124 125 128 130 131 132	Clineya tesota - Clineya tesota -	Desert knewood Desert knewood	12+ 8 6 12 8 10 8 12 12+ 12+ 6 8 8 6	F F F L L G G G		MS SZ RT MS SZ TM PS PS PS	LE	
110 111 112 114 115 116 117 119 120 121 122 123 124 125 128	Cineya tesota - Cineya tesota -	Desert tenwood Desert tenwood	12+ 8 6 12 8 10 8 12 12+ 12+ 12+ 12+ 6 8	FFFFFLGG		MS MS SZ RT MS SZ TM PS PS	LE	

2141	Otreya tesota - Desert Forwood	12	. k.	L.	RT	RD.	
2142	Oliveya tesola - Desert Ironwood	12	6	L	RT	01	
2143	Olneya lesota - Desert Ironwood	8	L	L	RT	TM	
2145	Oliveya tesota - Desert Ironwood	10	P		MS		
2147	Olneya tesota - Desert ironwood	10	G	-	VMS	52	
2151	Otreya tesota - Desert ironwood	12+	F		0W	82	
2152	Otreya tesota - Desert Ironwood	6	<u>G</u>		MS		
2158	Otreya tesota - Desert Ironwood	10	G	1	MS		
2159	Oliveya tesola - Desert ironwood	12+	F.		52	TM	
2160	Olneya tesota - Desert Ironwood	12+	P .		52	Pi	-
2163	Otreya tesola - Desert Ironwood	12+	- L	6	RT	OT.	-
2164	Otreya tesola - Desert Ironwood	12+	P.	1.1	5Z	TM	
2166	Oliveya tesota - Desert Ironwood	12	- L	L.	DW.	RT	
2167	Olneya lesola - Desert Ironwood	18+	G		52		
2168	Oliveya tesota - Desert Ironwood	12+	L	- L	(RD	81.	DW
2171	Olneya tesota - Desert Ironwood	12+	F		TM	84	DWV



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com	Checked by		Construction Set	

Appendix C - Native Plant Inventory of Saguaros & Ironwood Trees

ABBREVIATIONS

The fo	lowing abbreviations were used in the plant tables:
81	Broken Limbs; Tree has significant broken branches.
BT -	Broken Top, generally used in description of cactus.
DW-	Dead Wood. Tree has significant die back or dead/broken limbs.
DY-	Dying: Tree is dying.
FD -	Frost Damage.
N -	Insect or Disease Infestation.
18.	Low Branched. Tree has many low branches that will need to be
	removed for salvaged and removal will destroy structure of tree.
LE -	Leaning: Tree is leaning to the point where salvage will be difficult.
MS -	Marginal Salvage; Used during field inventory to identify less
	desirable salvage candidates to be used if needed to meet %
	requirements.
MT -	Tree has significant mistietoe infestation.
NV-	Not Viable: These are trees which are not included in the
	calculations for the site because they are not in viable condition.
OT -	Tree has an old trunk indicating dieback at some point in the past.
PD -	Pruning Damage.
pp.	Plants to be preserved in place.
	OW - Plants to be preserved in place but located within the Right
	of Way. These plants are not included in the calculation of credits.
	for PIP plants on the sile.
PRCO	Other vegetation in the vicinity will make salvage difficult.
PS-	Possible Salvage: Used in the field to identify best potential salvage
	candidates.
RD -	Rodent Damage: Rodents have excavated at the base of the tree.
	Plants to be removed from site, damaged or destroyed.
RT -	
	hollow areas, making long term health and viability of the tree
	questionable
SAL-	
	salvaged regardless of % requirements.
51	Skoe: Tree is on steep slope where salvage will not be possile.
50 -	
SR-	Surface roots are evident, making excavation difficult.
ST -	Sturted.
SZ-	Size of the tree; either spread, caliper or height is not conductive to
	salvage.
TD -	Trunk Damage
TM -	
1.00	will make moving the tree difficult without significant damage.
TOP-	Plant to be transplanted on site.
	 Very Marginal Salvage: Used during field inventory to identify least.
1000	desirable salvage candidates to be used if needed to meet %
	requirements.
	The second

CORTARO 57 SPECIFIC PLAN

SAGUARO & IRONWOOD INVENTORY

sheet 9 of 9

Appendix D: Tucson Water Will-Serve Letter





February 4, 2021

CBRE- Ben Becker 7320 N. San Blas Drive Tucson, AZ 85704

Attn: Ben Becker

SUBJECT: Water Availability for Project: Near Camino de Oeste & Lord Redman, APN: 229-33-059R Case # WA3403, T-12 R-13 S-30, Lots: 9999, Location Code: UNI: Total Area: 15.9ac, Zoning: SR

WATER SUPPLY

Tucson Water will provide water service to this project based on the subject zoning of the above parcels. Tucson Water has an assured water supply (AWS) designated from the State of Arizona Department of Water Resources (ADWR). An AWS designation means Tucson Water has met the criteria established by ADWR for demonstration of a 100-year water supply - it does not mean that water service is currently available to the subject project.

WATER SERVICE

The approval of water meter applications is subject to the current availability of water service at the time an application is received. The developer shall be required to submit a water master plan identifying, but not limited to: 1) Water Use; 2) Fire Flow Requirements; 3) Offsite/Onsite Water Facilities; 4) Loops and Proposed Connection Points to Existing Water System; and 5) Easements/Common Areas.

Any specific area plan fees, protected main/facility fees and/or other needed facilities' cost, are to be paid by the developer. *If the existing water system is not capable of meeting the requirements of the proposed development, the developer shall be financially responsible for modifying or enhancing the existing water system to meet those needs. This letter shall be null and void two years from the date of issuance.*

Issuance of this letter is not to be construed as agency approval of a water plan or as containing construction review comments relative to conflicts with existing water lines and the proposed development.

If you have any questions, please call New Development at 791-4718.

Sincerely, Moureale Michaes

Michael Mourreale Engineering Manager Tucson Water New Development

MM:ka cc: 22533059R.docx/New Area/Committed Demand/WAL parcels

> P.O. Box 27210 • Tucson, AZ 85726-7210 520.791.4718 • tucsonaz.gov/water 2 f

Appendix E: Cultural Resources Surveys

1. REPORT TITLE

1a. Report Title: Cultural Resources Class III Survey of Parcels 221-16-029C and 225-33-059M in Unincorporated Pima County, Arizona.

1b. Report Author(s): Chance Copperstone, M.A.

1c. Date: December 31, 2020 **1d. Report No.:** Tierra Archaeological Report No. 2020-165

2. PROJECT REGISTRATION/PERMITS

- 2a. ASM Accession Number: N/A
- 2b. AAA Permit Number: 2020-048bl

2c. ASLD Lease Application Number(s): N/A

2d. Other Permit Number(s).: N/A

3. ORGANIZATION/CONSULTING FIRM

3a. Name: Tierra Right of Way Services, Ltd.

3b. Internal Project Number: 20TA00-486.01

3c. Internal Project Name: Cortaro Farms 57 Class III

3d. Contact Name: Barbara Montgomery

3e. Contact Address: 1575 East River Road, Suite 201, Tucson, AZ 85718

3f. Contact Phone: 520.319.2106

3g. Contact Email: bmontgomery@tierra-row.com

4. SPONSOR/LEAD AGENCY

4a. Sponsor: ACM Ventures
4b. Lead Agency: Pima County
4c. Agency Project Number(s): N.A
4d. Agency Project Name: N/A
4e. Funding Source(s): Private
4f. Other Involved Agencies: N/A

4g. Applicable Regulations: Pima County Ordinance No. 2018-027

5. DESCRIPTION OF PROJECT OR UNDERTAKING: ACM Ventures is seeking to purchase and rezone parcels 221-16-029C and 225-33-059M for residential use.

6. PROJECT AREA/AREA OF POTENTIAL EFFECTS: The project area consists of 41.75 acres (16.9 hectares) encompassing the two parcels mentioned above, located to the south of the intersection of Cortaro Farms Road and Camino de Oeste (Figures 1 and 2).

7. PROJECT LOCATION

7a. Address:

7b. Route: N/A **7c. Mileposts Limits:** N/A

7d. Nearest City/Town: Marana 7e. County: Pima County

7f. Project Locator UTM: 494159 Easting 3580218 Northing 7g. NAD 83 7h. Zone: 12

7i. Baseline & Meridian: G&SR 7j. USGS Quadrangle(s): Jaynes

7k. Legal Description(s): T12S, R12E, Section 25; T12S, R13E, Section 30

8. SURVEY AREA

8a. Total Acres: 41.75 acres

8b. Survey Area.

1. Land Jurisdiction	2. Total Acres Surveyed	3. Total Acres Not Surveyed	4. Justification for Areas Not Surveyed
Private	41.75	0	N/A

9. ENVIRONMENTAL CONTEXTS

9a. Landform: Terrace

9b. Elevation: 2,300 ft amsl

9c. Surrounding Topographic Features: Urban development

9d. Nearest Drainage: Santa Cruz River, ca. 1 miles to the west

9e. Local Geology: Quaternary Surface Deposits (Arizona Geological Survey 2020)

9f. Vegetation: Arizona Upland Subdivision of the Sonoran Desertscrub biotic community (Brown 1994). Mesquite, cholla, saguaro, palo verde, creosote and prickly pear are all present (Photo 1).

9g. Soils/Deposition: Rough, broken land- Palos Verdes Complex (NRCS 2020).

9h. Buried Deposits: Not likely

9i. Justification: The project area is located on a terrace, so depth is possible but nothing was found on the surface that suggests cultural deposits are present.

IO. BUILT ENVIRONMENT: The built environment adjacent to the project area includes modern residential developments and the recently widened Cortaro Farms Road. Camino de Oeste is a dirt road near the center of the project area, and existing buried and aerial utilities pass along the edge of the road.

11. INVENTORY CLASS COMPLETED

11a. Class I Inventory:

11b. Researcher(s):

11c. Class II Survey:	
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11d Sampling Strategy:

11e. Class III Inventory: 🖂

12. BACKGROUND RESEARCH SOURCES

12a. AZSITE: 🔀

12b. ASM Archaeological Records Office:

12c. SHPO Inventories and/or SHPO Library:	
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12d. NRHP Database: 🖂

12e. ADOT Portal:

12f. GLO Maps: GLO Map Nos. 1955 (T12S, R12E), dated February 23, 1897, and 1958 (T12S, R13E), dated September 27, 1912, show only an unnamed road within the project area (Figure 3). No sign of the road was encountered during the survey.

- 12g. Land- Managing Agency Files: N/A
- 12h. Tribal Cultural Resources Files: N/A
- 12i. Local Government Websites: N/A

12j. Other: N/A

13. BACKGROUND RESEARCH RESULTS

13a. Previous Projects within Project Area (Figure 4 REDACTED)

1. Project Reference Number			4. Year	
		Wirth	1981	
1981-174.ASM Sierra Vista Project		Associates	1901	
1988-200.ASM	CAP Northwest, Phase III	Heuett	1988	
1994-424.ASM	Wastewater Pump Station Survey	Myers	1994	
2001-42.ASM	1-42.ASM Cortaro Farms Survey		2001	
20TA00-085.01	Tri-Church Casitas Survey	Copperstone	2020	

13b. Previously Recorded Cultural Resources within Project Area

1. Site Number	2. Affiliation	3. Site Type	4. Eligibility Status	5. Associated Reference(s)
N/A				

13c. Historic Buildings/Districts/Neighborhoods. (None in project area)

1. Property Name or Address	2. Year	3. Eligibility Status
N/A		

14. CULTURAL CONTEXTS

14a. Prehistoric Culture: Hohokam

14b. Protohistoric Culture: O'odham

14c. Indigenous Historic Culture: O'odham

14d. Euro-American Culture: A.D. 1500-1970

15. FIELD SURVEY PERSONNEL

15a. Principal Investigator: Barbara Montgomery, PhD.

15b. Field Supervisor: Chance Copperstone, M.A.

15c. Crew: Sean Parsons and Alison Talbot

15d. Fieldwork Date(s): 12/30/2020

16. SURVEY METHODS

16a. Transect Intervals: 20 m apart

16b. Coverage (%): 100

16c. Site Recording Criteria: ASM

16d. Ground Surface Visibility: 50%

16e. Observed Disturbances: Modern trash is present throughout the project area and one small camp is present.

17. FIELD SURVEY RESULTS

17a. No Cultural Resources Identified: 🖂

17b. Isolated Occurrences (IOs) Only:

17c. Number of IOs Recorded: N/A

17d. Table of IOs.

1. IO Number	2. Description	3. Date Range	4. UTMs

18. COMMENTS: No sites, historic buildings, or isolates were observed in the project area during the survey. Tierra recommends that ACM Ventures should be allowed to proceed with the proposed project without further archaeological work.

SECTION 19. ATTACHMENTS 19a. Project Location Map: Figures 1 and 2 19b. Land Jurisdiction Map: Figure 1 19c. Background Research Map(s): Figure 4 19d. GLO Map(s): Figure 3 19e. References: S

SECTION 20. CONSULTANT CERTIFICATION

I certify the information provided herein has been reviewed for content and accuracy and all work meets applicable agency standards.

Barbara K. Montgommen

Signature

Principal Investigator Title

SECTION 21. DISCOVERY CLAUSE

In the event that previously unreported cultural resources are encountered during ground disturbing activities, all work must immediately cease within 30 meters (100 feet) until a qualified archaeologist has documented the discovery and evaluated its eligibility for the Arizona or National Register of Historic Places in consultation with the lead agency, the SHPO, and Tribes, as appropriate. Work must not resume in this area without approval of the lead agency.

If human remains are encountered during ground-disturbing activities, all work must immediately cease within 30 meters (100 feet) of the discovery and the area must be secured. The Arizona State Museum, lead agency, SHPO, and appropriate Tribes must be notified of the discovery. All discoveries will be treated in accordance with NAGPRA (Public Law 101-601; 25 U.S.C. 3001-3013) or Arizona Revised Statutes (A.R.S. § 41-844 and A.R.S. § 41-865), as appropriate, and work must not resume in this area without authorization from ASM and the lead agency.

References Cited

Arizona Geological Survey

2020 The Geologic Map of Arizona. Available at: http://data.azgs.az.gov/geologic-map-of-arizona/. Accessed on December 30, 2020.

Brack, Michael L.

2001 *A Cultural Resources Survey of Cortaro Farms Road between Interstate 10 and Thornydale Road, Pima County, Arizona.* Project Report No. 00-131. Desert Archaeology, Inc., Tucson.

Brown, David E. (editor)

1994 *Biotic Communities: Southwestern United States and Northwestern Mexico.* University of Utah Press, Salt Lake City.

Copperstone, Chance

2020 *Cultural Resources Class III Survey for the Tri-Church Casitas Project, Pima County, Arizona.* Tierra Archaeological Report No. 2020-pending. Tierra Right of Way Services, Ltd, Tucson.

Heuett, Mary Lou

1988 An Archaeological Survey of 3.1 Miles of a Right-of-Way for CAP Northwest Phase III along Cortaro Farms, Thornydale and Oasis Roads, Tucson, Arizona. Cultural and Environmental Systems, Inc., Tucson.

Myers, Laural

1994 A Cultural Resource Survey along Cortaro Farms Road for a Proposed Wastewater Pump Station and Force Main, Pima County, Arizona. Archaeological Report 94-179. SWCA, Inc., Environmental Consultants, Tucson.

Natural Resources Conservation Service (NRCS)

2020 Web Soil Survey Map. Available at: http://websoilsurvey.nrcs.usda.gov/app/. Accessed on December 30, 2020.

Wirth Associates, Inc.

1981 *A Cultural Resource Assessment of the Sierra Vista Project*. Wirth Associates, Inc. San Diego, California.

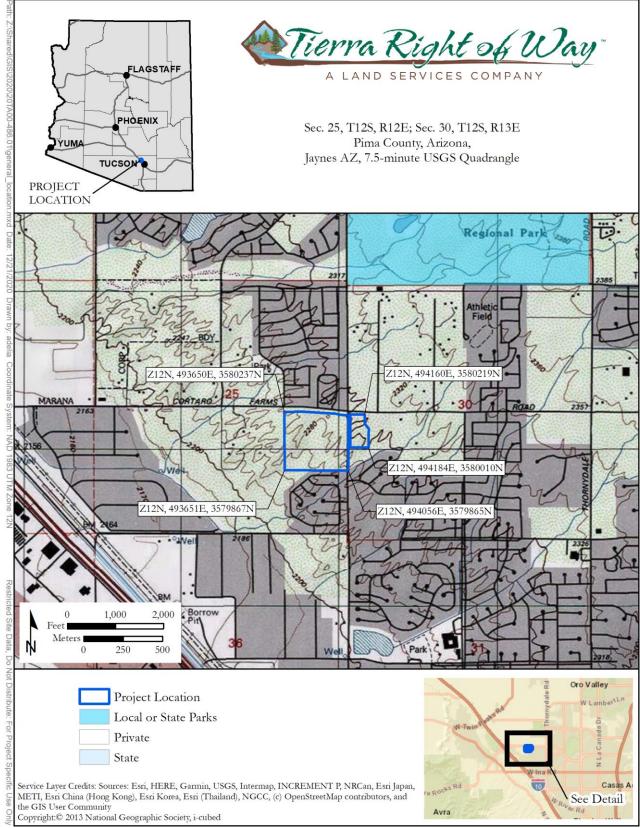


Figure 1. Project location.



Figure 2. Detail of project location.

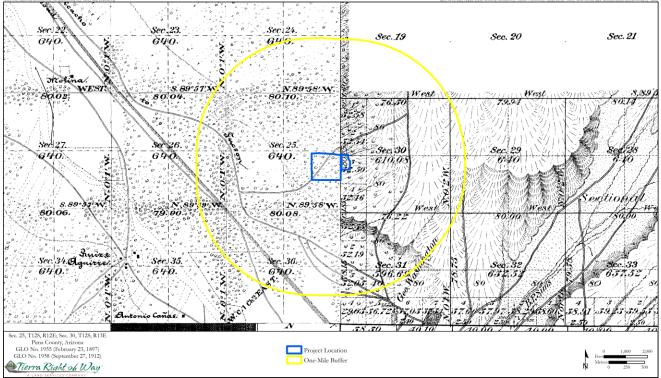


Figure 3. Portions of General Land Office Map #s 1955 (T12S, R12E) and 1958 (T12S, R13E)

Figure 4 REDACTED

Figure 4. Previous projects and archaeological sites within 1 mile of project area. CONFIDENTIAL



Photo 1. Project area overview looking east.

1. REPORT TITLE

1a. Report Title: Cultural Resources Class III Survey for the Tri-Church Casitas Project, Pima County, Arizona

1b. Report Author(s): Chance Copperstone, M.A.

1c. Date: March 6, 2020 1d. Report No.: Tierra Archaeological Report No. 2020-pending

2. PROJECT REGISTRATION/PERMITS

- 2a. ASM Accession Number: N/A
- 2b. AAA Permit Number: 2020-048bl

2c. ASLD Lease Application Number(s): N/A

2d. Other Permit Number(s).: N/A

3. ORGANIZATION/CONSULTING FIRM

3a. Name: Tierra Right of Way Services, Ltd.

3b. Internal Project Number: 20TA00-085.01

3c. Internal Project Name: Tri-Church Casitas Survey

3d. Contact Name: Barbara Montgomery

3e. Contact Address: 1575 East River Road, Suite 201, Tucson, AZ 85718

3f. Contact Phone: 520.319.2106

3g. Contact Email: bmontgomery@tierra-row.com

4. SPONSOR/LEAD AGENCY

4a. Sponsor: ACM Ventures
4b. Lead Agency: Pima County
4c. Agency Project Number(s): N.A
4d. Agency Project Name: N/A
4e. Funding Source(s): Private
4f. Other Involved Agencies: N/A

4g. Applicable Regulations: Pima County Ordinance No. 2018-027

5. DESCRIPTION OF PROJECT OR UNDERTAKING: ACM Ventures is seeking to purchase and rezone parcels 22533059P and 22533059Q for residential use.

6. PROJECT AREA/AREA OF POTENTIAL EFFECTS: The project area consists of 14.2 acres (5.75 hectares) encompassing the two parcels mentioned above, located at the southeast corner of the intersection of Cortaro Farms Road and Camino de Oeste (Figures 1 and 2).

7. PROJECT LOCATION

7a. Address:

7b. Route: N/A **7c. Mileposts Limits:** N/A

7d. Nearest City/Town: Marana 7e. County: Pima County

7f. Project Locator UTM: 494160 Easting 3580219 Northing **7g. NAD** 83 **7h. Zone:** 12

7i. Baseline & Meridian: G&SR 7j. USGS Quadrangle(s): Jaynes

7k. Legal Description(s): T12S, R13E, Section 30

8. SURVEY AREA

8a. Total Acres: 14.2 acres

8b. Survey Area.

1. Land Jurisdiction	2. Total Acres Surveyed	3. Total Acres Not Surveyed	4. Justification for Areas Not Surveyed
Private	14.2	0	N/A

9. ENVIRONMENTAL CONTEXTS

9a. Landform: Terrace

9b. Elevation: 2,300 ft amsl

9c. Surrounding Topographic Features: Urban development

9d. Nearest Drainage: Santa Cruz River, ca. 1 miles to the west

9e. Local Geology: Quaternary Surface Deposits (Arizona Geological Survey 2019)

9f. Vegetation: Arizona Upland Subdivision of the Sonoran Desertscrub biotic community (Brown 1994). Mesquite, cholla, saguaro, palo verde, creosote and prickly pear are all present.

9g. Soils/Deposition: Anthony and Sonoita soils, a sandy loam (NRCS 2020).

9h. Buried Deposits: Likely possible

9i. Justification: The project area is located on a terrace, so depth is possible but nothing was found on the surface that suggests cultural deposits are present.

IO. BUILT ENVIRONMENT: The built environment adjacent to the project area includes modern residential developments and the recently widened Cortaro Farms Road. Camino de Oeste is a dirt road along the west edge of the project area, and existing buried and aerial utilities pass along the edge of the road.

11. INVENTORY CLASS COMPLETED

11a. Class I Inventory:

11b. Researcher(s):

11c. Class	II	Survey:	
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11d Sampling Strategy:

11e. Class III Inventory:

12. BACKGROUND RESEARCH SOURCES

12a. AZSITE: 🔀

12b. ASM Archaeological Records Office:

12c. SHPO Inventories and/or SHPO Library:

12d. NRHP Database: 🔀

12e. ADOT Portal:

12f. GLO Maps: GLO Map No. 1958 (T12S, R13E), dated September 27, 1912, shows no historic features within the project area (Figure 3).

- 12g. Land- Managing Agency Files: N/A
- 12h. Tribal Cultural Resources Files: N/A
- **12i. Local Government Websites:** N/A

12j. Other: N/A

13. BACKGROUND RESEARCH RESULTS

13a. Previous Projects within Project Area (Figure 4)

1. Project Reference Number2. Project Name		3. Author(s)	4. Year
		Wirth	1981
1981-174.ASM	Sierra Vista Project	Associates	1701

1988-200.ASM	CAP Northwest, Phase III	Heuett	1988
1994-424.ASM	Wastewater Pump Station Survey	Myers	1994

13b. Previously Recorded Cultural Resources within Project Area

1. Site Number	2. Affiliation	3. Site Type	4. Eligibility Status	5. Associated Reference(s)
N/A				

13c. Historic Buildings/Districts/Neighborhoods. (None in project area)

1. Property Name or Address	2. Year	3. Eligibility Status
N/A		

14. CULTURAL CONTEXTS

14a. Prehistoric Culture: Hohokam

- 14b. Protohistoric Culture: O'odham
- 14c. Indigenous Historic Culture: O'odham

14d. Euro-American Culture: A.D. 1500-1969

15. FIELD SURVEY PERSONNEL

15a. Principal Investigator: Barbara Montgomery, PhD.

15b. Field Supervisor: Chance Copperstone, M.A.

15c. Crew: N/A

15d. Fieldwork Date(s): 3/5/2020

16. SURVEY METHODS

16a. Transect Intervals: 20 m apart

16b. Coverage (%): 100

16c. Site Recording Criteria: ASM

16d. Ground Surface Visibility: 50%

16e. Observed Disturbances: Dirt two-tracks and possible mountain bike paths cross through the project area at multiple points. There are several borrow pits throughout the project area where it looks like gravel was removed.

17. FIELD SURVEY RESULTS

17a. No Cultural Resources Identified: 🖂

17b. Isolated Occurrences (IOs) Only:

4

17c. Number of IOs Recorded: N/A

17d. Table of IOs.

1. IO Number	2. Description	3. Date Range	4. UTMs

18. COMMENTS: No sites, historic buildings, or isolates were observed in the project area during the survey. Tierra recommends that ACM Ventures should be allowed to proceed with the proposed project without further archaeological work.

March 2020

SECTION 19. ATTACHMENTS 19a. Project Location Map: Figures 1 and 2 19b. Land Jurisdiction Map: Figure 1 19c. Background Research Map(s): Figure 4 19d. GLO Map(s): Figure 3 19e. References: S

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Barbara K. Montgommen

Signature

Principal Investigator Title

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References Cited

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Heuett, Mary Lou

1988 An Archaeological Survey of 3.1 Miles of a Right-of-Way for CAP Northwest Phase III along Cortaro Farms, Thornydale and Oasis Roads, Tucson, Arizona. Cultural and Environmental Systems, Inc., Tucson.

Myers, Laural

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Natural Resources Conservation Service (NRCS)

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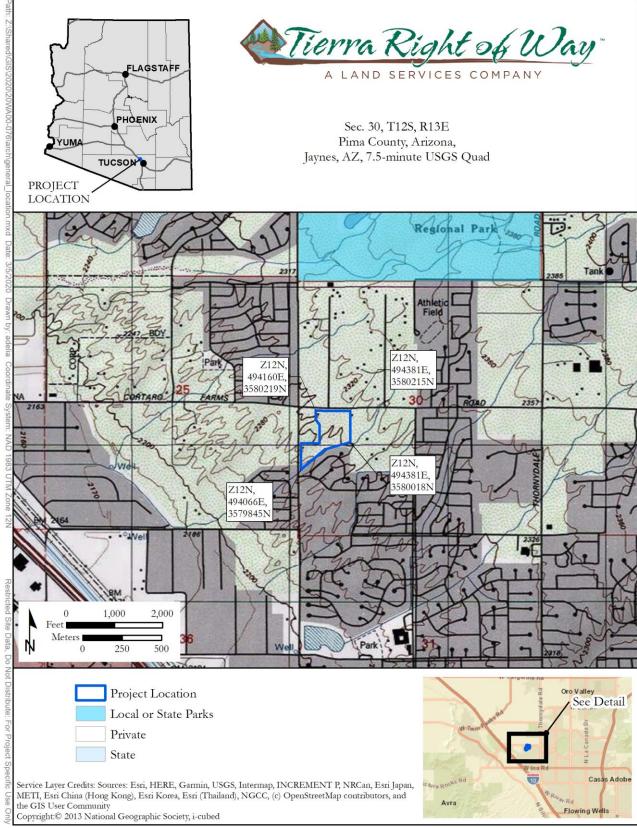
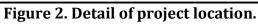
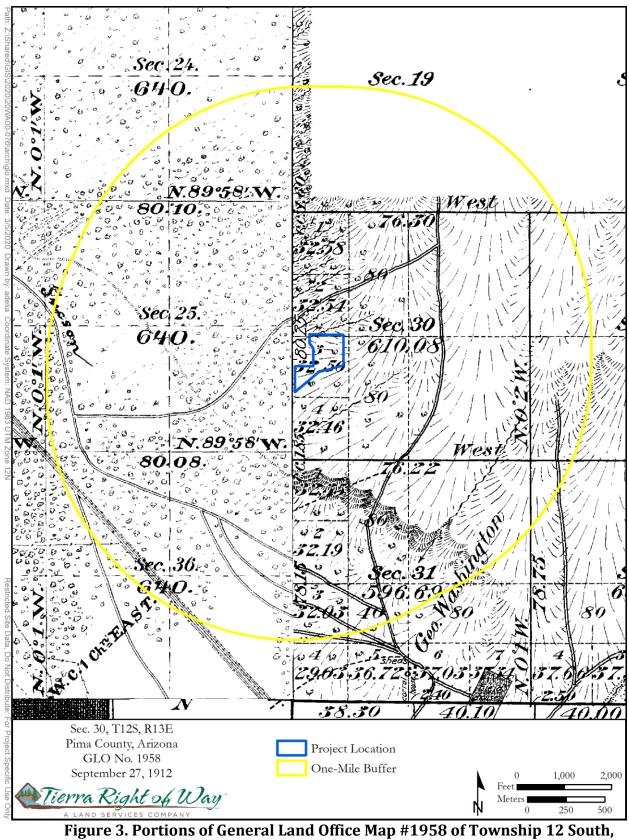


Figure 1. Project location.







Range 13 East.

Figure 4 has been redacted.

Figure 4. Previous projects and archaeological sites within 1 mile of project area. CONFIDENTIAL



Photo 1. Project area overview from southwest corner, looking northeast.



Photo 2. Project area overview from north end, looking south.

March 2020