Thunderbird Townhomes

NWC Thunderbird Rd and Coral Gables Dr

Planned Unit Development

PUD Narrative

Case Z-

1st Submittal: September 20, 2024

CITY OF PHOENIX

SEP 20 2024

Planning & Development
Department



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EXHIBITS

- A. Aerial Map
- B. Zoning and General Plan Maps
- C. Conceptual Renderings
- D. Conceptual Site Plan
- E. Conceptual Landscape Plan
- F. Conceptual Circulation Plan

Purpose and Intent

The purpose of this PUD is intended to be a stand-alone document of zoning regulations for this particular project. Provisions not specifically regulated by the PUD are governed by the Phoenix Zoning Ordinance. If there are conflicts between specific provisions of this PUD, and the Phoenix Zoning Ordinance or design guidelines, the terms of this PUD shall apply. The PUD only modifies zoning ordinance regulations and does not modify other City Codes or requirements. The purpose and intent statements are not requirements that will be enforced by the City.

A. Project Overview and Goals

The subject site is approximately 3.6 gross acres located at the northeast corner of Thunderbird Road and Coral Gables Drive in Phoenix, Arizona (the "Property") as illustrated in the Aerial Map at **Exhibit A**. The Property is currently zoned R-O (Residential Office) with a General Plan Land Use Designation of Residential 3-5 du/ac. See Zoning and General Plan Maps at **Exhibit B**. The Property is encumbered by a large wash that traverses the northern and western perimeters of the Property, which has to date deterred development of the site. This PUD will establish site specific development standards and design guidelines that will enable development of the Property with a high-quality residential project featuring 16 townhomes.

A PUD is the appropriate zoning mechanism for the Property given the unique site context and the presence of the large wash, which substantially limits the developable area within the Property. Although the Planned Residential Development option of the R-2 zoning district, which serves as the base zoning district for this PUD, provides some of the tools necessary to execute the proposed development, some of the design considerations cannot be accommodated by the base R-2 district standards. In order to make the most efficient use of the site and create an exceptional residential experience, deviations from the R-2 zoning district via this PUD are necessary.

B. Overall Design Concept

The Thunderbird Townhomes will create a high-quality residential development with a unique product that is underserved in this submarket. The project will offer townhome condominiums that will enable home ownership at an attainable price point. The 16-unit community is thoughtfully designed to balance private spaces with recreational amenities. The buildings are designed with clean architectural lines that enhance both aesthetics and functionality. See Conceptual Renderings at **Exhibit C**. The community will also emphasize open space with the wash on the north side of the property providing a natural buffer, enhancing privacy and providing a serene open space for residents. A significant feature of the development is a pickle-ball court located along the Property's eastern perimeter, which provides an active and social outdoor experience. A spacious lawn will also provide a versatile green space for relaxation, gatherings, or other outdoor activities. The integration of these features creates a vibrant, cohesive environment that promotes community interaction.

Land Use Plan

The site plan for the 16-unit townhome community illustrates a well-organized and functional layout. See Conceptual Site Plan at **Exhibit D**. Two (2) two-story buildings, each comprising eight townhomes, are oriented to optimize space and access. The buildings have a maximum height of 30 feet and are separated by a central drive aisle providing access to resident garages. Along with individual garages for each unit, guest parking is strategically placed, ensuring sufficient parking for both residents and visitors. The layout also incorporates accessible routes for refuse collection, which will occur at each residence with individual trash cans stored in the resident's garage eliminating the need for unsightly trash enclosures.

The presence of the wash along the north side of the Property has a significant impact on the site's developable area. This constraint influences the site layout by requiring the townhome units to be positioned closer to the southern property line. Nevertheless, a 16' building setback is maintained from the southern perimeter of the Property with rear patios of the units in the southern building extending to the Property line. The Property benefits from a significant amount of right of way behind the curb along Thunderbird Road, which will be landscaped and will provide appropriate separation and screening from the street. Plantings at this location will be consistent with those permitted within the APS powerline easement that exists along Thunderbird Road. The resident patios will also be landscaped and will include trees and shrubs to provide additional screening.

The community places a strong emphasis on shared amenities, with a pickleball court serving as the central recreational feature. Near the court is a shaded seating area, providing a comfortable space for socializing and relaxation. The plan also includes bicycle parking and a bike repair station, which supports a more sustainable and active lifestyle for residents. Additionally, thoughtful landscaping enhances the aesthetic and functional quality of the outdoor spaces, including over 33,000 square feet of common area. See Conceptual Landscape Plan at **Exhibit E**.

One of the key highlights of the site plan is the integration of natural open space along the north side of the property, where a wash serves as both a visual and functional buffer. This wash not only provides a tranquil backdrop but also adds to the total open space available for residents, promoting a connection to the natural environment while maintaining privacy for the community. The combination of recreational facilities, open space, and quality residential design makes this community an appealing and practical development for residents.

List of Uses

Unless modified herein, the permitted uses shall be those permitted in the R-2 zoning district (Section 614) pursuant to table 608.D of the Phoenix Zoning Ordinance.

A. Permitted Uses

This PUD allows all uses permitted in the R-2 zoning district in Table 608.D of the Phoenix Zoning Ordinance.

B. Temporary Uses

Temporary uses shall be subject to Section 608 of the Phoenix Zoning Ordinance.

C. Accessory Uses

Accessory uses shall be subject to Section 608 of the Phoenix Zoning Ordinance.

Development and Landscape Standards

A. Development Standards Table

Development is subject to development standards generally based on R-2 PRD zoning district standards, except as modified by the development standards table below.

	Proposed	
Maximum Density	6 du/ac	
Min. Building Setbacks	 North: 15 feet East (Adjacent Coral Gables Road): 20 feet South (Adjacent Thunderbird Rd): 15 feet* West: 15 feet 	
	*Except that patios and associated screen walls may project into the setback to the property line.	
Building Height Maximum	Two stories and 30 feet	
Lot Coverage	Maximum 35%	
Common Area	A minimum 33,311 square feet of common area shall be provided, which shall include 26,311 square feet of natural wash. A minimum of 7,000 square feet of active amenity space shall be provided.	
Parking Standards	 A two-car garage shall be provided with each unit. A minimum of 12 unreserved guest spaces shall be provided. 	
Bicycle Parking Standards	Bike racks shall be provided at a rate of .25 bicycle spaces per unit.	
Lighting	All lighting standards shall comply with Section 507 Tab A.II.A.8 and Section 704 of the Phoenix Zoning Ordinance.	
Fences and Walls	Fences and walls shall comply with Section 703 of the Phoenix Zoning Ordinance; except, • A 6' screen wall may be provided along Thunderbird Road west of the driveway entering the Property,	

	 provided such wall is minimum 50% open view fencing. 6' screen walls may be provided around resident patios, including adjacent Thunderbird Road, provided such walls include minimum 50% open view fencing.
--	---

B. <u>Landscape</u>

Landscaping shall be provided per the following standards:

General	Where utility or easement conflicts arise, the developer shall work with the Planning and Development Department on alternative design solutions consistent with a pedestrian environment.
Landscape Setbacks	 North: 15 feet (maintained as natural wash) East (Adjacent Coral Gables Road): 0 feet¹ South (Adjacent Thunderbird Rd): 15 feet² West: 15 feet ¹ Trees to be provided in 11' planting strip between property line and sidewalk. ² Patios and screen walls may encroach on landscape setback.
Shade	 Minimum 75% shading of pedestrian sidewalk along Coral Gables Drive Minimum 50% shading of pedestrian sidewalk along Thunderbird Road. Shade to be provided by means of vegetation at maturity or shade structures.
Amenities	A range of quality amenities to encourage social interaction between residents and visitors shall be provided, which shall include at least 3 of the following: • Pickleball court • Shaded seating area • Lawn or turf area • Bike repair station • Tot lot • BBQ area
Plant Material	Drought-tolerant plant material shall be utilized within the required landscape areas.
	Planting Standards
Along Thunderbird Road	(1) APS approved 2" Caliper Tree per 18 linear feet

	(5) 5-gallon shrubs per 20 linear feet meeting 50% landscape coverage in all in all open space planting areas.
	One (1) 2" Caliper Tree per 25 linear feet
Along Coral Gables Drive	 Five (5) 5-gallon shrubs per 25 linear feet meeting 50% landscape coverage in all in all open space planting areas
	One (1) 2" Caliper Tree per 25 linear feet
Along West Property Line	 Five (5) 5-gallon shrubs per 25 linear feet meeting 50% landscape coverage in all in all open space planting areas
	One (1) 2" Caliper Tree per 25 linear feet
Adjacent Southern Perimeter of Drainage Easement	Five (5) 5-gallon shrubs per 25 linear feet in public open space areas, meeting 50% landscape coverage in all open space planting areas
Rear Yard	One (1) 2" Caliper Tree per rear yard
Real Talu	Three (3) 5-gallon shrubs per rear yard
Parking Area	One (1) 2" Caliper Tree and five (5) 5-gallon shrubs per parking island

Design Guidelines

A. Building Architecture

Architecture shall include multiple building materials such as stucco, stone veneer, and metal roofs. The buildings shall be modulated with changes in roof heights to differentiate the individual units. In addition, the buildings shall include a one story popout that adds interest to the rear façade and a step down in height from one story to two story. The buildings should have a modern aesthetic with clean lines and large windows while still retaining warmth and residential scale due to material juxtaposition and color changes. Smooth white stucco against the white stone veneer should be utilized to provide a gentle tone on tone effect allowing the red metal roofs to be both a complement and an aesthetically appealing contrast.

The drive aisle shall include sidewalks on either side with planters framing the garages. This ensures a separation of buildings of approximately 36' linear feet. Each unit will have a private patio entry with ample space for plantings, pots, and shaded walkway.

B. Walls and Fences

The colors, materials, and appearance of walls and fences should be compatible with the overall design, character and style of the development.

C. Landscape

The proposed development will embrace a landscape pallet representative of the property's adjacent natural environment. The Thunderbird Townhomes landscape design intent is to promote a landscape that is ecologically sensitive to the desert's arid environment through the use of regionally appropriate native plant materials, and low water, desert adapted species from the Arizona Department of Water Resources approved plant list. The proposed trees, shrubs, groundcover, and accents within the landscape design will serve as unifying elements which will visually tie the exterior features of the project together creating a unique landscape character.

Signs

Signs shall be provided in accordance with Phoenix Zoning Ordinance Section 705.

Sustainability

The following are sustainability practices that are encouraged within the PUD and divided into those that are city-enforced and those that are the developer goals.

1. City-Enforced Standards:

- Reduce heat island effect with a minimum shade requirement for sidewalks, paths, open space, and parking areas.
 - Minimum 75% shading of pedestrian sidewalk along Coral Gables Road.
 - Minimum 50% shading of pedestrian sidewalk along Thunderbird Road.
 - Shade to be provided by means of vegetation at maturity and/or shade structures.
 - Where utility, right-of-way or easement conflicts arise, the developer shall work with the Planning and Development Department on an alternative design solution.
 - Minimum 50% of guest parking to be covered.
- Encourage water conservation through the selection of drought tolerant plants and trees and smart and water efficient irrigation systems.
- Utilize low flow plumbing fixtures.
- Provide locations for secure bike parking such as visible public bike racks and/or bike lockers.

2. <u>Developer Goals:</u>

- The use of irrigation sensors may be implemented into the design of the irrigation system for the regulation and reduction of water consumption.
- Utilize "Smart" and water efficient irrigation control systems.
- Incorporate LED and energy efficient lighting technology into all lighting constructed on the Site.
- Use roofing materials that specify a high Solar Reflectance Index for a minimum of 75% of the roof surface area.
- Select building materials and colors to reduce overall heat gain.
- Design to reduce energy loads by addressing passive design elements (i.e. daylight, natural ventilation, solar mass) and active design elements (i.e. environmental conditioning methods, radiant heating and cooling, shared building systems).
- Provide high performance windows, insulation, and HVAC systems.
- Provide slope stabilizing plant material where appropriate to limit erosion.
- Incorporate dual-pane, energy efficient windows.
- Reduce windows on east and west facing façade to reduce heat gain at interiors.
- Install enhanced HVAC systems with 14 SEER or higher.
- Utilize ASHP (Air Source Heat Pump) for greater efficiency in HAVC system.
- Support enhanced indoor air quality and fresh airflow.
- Develop and implement a plan for recycling and materials management during construction.
- Encourage high-performance building designs that conserve resources, while balancing energy-efficient, water-efficient, cost-effective and low-maintenance engineering solutions and construction products through whole building life cycle assessment.
- Encourage the use of construction, roofing materials and paving surfaces with solar reflectance with thermal emittance values as shown in the Phoenix Green Construction Code or higher and which minimize heat island effects.
- Utilize low VOC paints, carpet and flooring materials.
- Encourage the use of recycling collection.

Infrastructure

A. Circulation

Access to the site will be provided from a single right in/right out driveway on Thunderbird Road, which is located approximately 360 feet west of Coral Gables Road. The driveway aligns with 11th Avenue on the south side of Thunderbird Road. Site circulation is provided via a single 26' wide internal drive aisle. A hammerhead per City of Phoenix standard design (55' outside curve/35' inside curve) is provided along the eastern perimeter of the site to provide sufficient maneuverability for fire department and refuse collection access. See Conceptual Circulation Plan at **Exhibit F**.

B. **Grading & Drainage**

Development shall conform to the City of Phoenix regulations and design guidelines. Any drainage related items will be addressed during the site plan review process. Development of the site will not

encroach or in any way impact the existing wash for which an 80' drainage easement is already dedicated over the wash alignment.

C. Water Services

Public sewer and water connections will be requested from the City of Phoenix to serve this development. The property is immediately bound by public rights-of-way with adequate existing public facilities.

Comparative Development Standards Table

Standard	R-2 (PRD)	PUD
Minimum Lot Dimension	N/A	N/A
Maximum Residential Density	10.5 du/ac; 12 with bonus	6 du/ac
Required Building Setbacks	Perimeter: 20' adjacent to a public street; this area to be in common ownership unless lots front on the perimeter public street; 15' adjacent to property line 10' front building setback	 North: 15 feet East (Adjacent Coral Gables Road): 20 feet South (Adjacent Thunderbird Rd): 15 feet* West: 15 feet *Except that patios and associated screen walls may project into the setback to the property line.
Maximum Building Height	2 stories or 30'	2 stories or 30′
Maximum Lot Coverage	50% plus an additional 10% for an ADU and/or attached shade structures Total: 60%	35%
Common Area 5% of gross area		A minimum of 33,000 square feet of common area shall be provided, which shall include 26,311 square feet of natural wash. A minimum of 7,000 square feet of active amenity space shall be provided.
Required Landscape Setbacks 20' adjacent to a public street; this area is to be in common ownership unless lots front on		 North: 15 feet (maintained as natural wash) East (Adjacent Coral Gables Road): 0 feet¹

	the perimeter public street; 15' adjacent to property line	 South (Adjacent Thunderbird Rd): 15 feet² West: 15 feet Trees to be provided in 11' planting strip between property line and sidewalk. Patios and screen walls may encroach on landscape setback.
Allowed Development	Single-family detached, single- family attached, and multifamily.	Single-family detached, single- family attached, and multifamily.
Required Review Per Section 507		Development Review per Section 507
Street Standards	Public street or private accessway	Public street or private accessway

Legal Description

A PORTION OF SECTION 18, TOWNSHIP 3 NORTH AND RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY ARIZONA;

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 18, FROM WHICH THE SOUTHEAST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 18 BEARS NORTH 89 DEGREE 47 MINUTES 20 SECONDS A DISTANCE OF 1318.03 FEET;

THENCE ALONG THE WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 18 NORTH 00 DEGREES 04 MINUTES 30 SECONDS EAST A DISTANCE OF 33.89 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID WEST LINE NORTH 00 DEGREES 04 MINUTES 30 SECONDS EAST A DISTANCE OF 232.91 FEET;

THENCE DEPARTING SAID WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 18 NORTH 70 DEGREES 55 MINUTES 40 SECONDS EAST A DISTANCE OF 270.12 FEET TO THE COMMON SOUTHERLY CORNER OF LOTS 1 AND 13 OF THE PLAT OF MOON VALLEY AS RECORDED IN BOOK 92 AND PAGE 2 OF THE OFFICIAL RECORDS OF MARICOPA COUNTY;

THENCE NORTH 89 DEGREES 47 MINUTES 20 SECONDS EAST ALONG THE SOUTH LINE OF LOT 1 OF SAID MOON VALLEY A DISTANCE OF 204.72 FEEET TO THE SOUTHEAST CORNER OF SAID LOT 1;

THENCE SOUTH 86 DEGREES 10 MINUTES 54 SECONDS EAST A DISTANCE OF 40 FEET TO A NON-TANGET CURVE OF RADIUS 630.0 FEET BEING THE MONUMENT LINE OF CORAL GABLES DRIVE;

THENCE ALONG SAID CURVE CONCAVE SOUTHEAST AND OF RADIAL BEARING SOUTH 86 DEGREES 10 MINUTES 54 SECONDS EAST A DISTANCE OF 44.31 FEET THROUGH A CENTRAL ANGLE OF 4 DEGREES 01 MINUTES 50 SECONDS;

THENCE SOUTH 0 DEGREES 12 MINUTES 40 SECONDS EAST A DISTANCE OF 307.04 FEET ALONG THE CENTERLINE OF CORAL GABLES DRIVE;

THENCE SOUTH 89 DEGREES 47 MINUTES 20 SECONDS WEST A DISTANCE OF 190.0 FEET ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 18 TO A TANGENT CURVE TO THE RIGHT OF RADIUS 1432.40 FEET;

THENCE ALONG SAID CURVE A DISTANCE OF 312.29 THROUGH A CENTRAL ANGLE OF 12 DEGREES 29 MINUTES 30 SECONDS TO THE POINT OF BEGINNING.

DESCRIBED PARCEL CONTAINING 3.7210 ACRES

EXHIBIT A

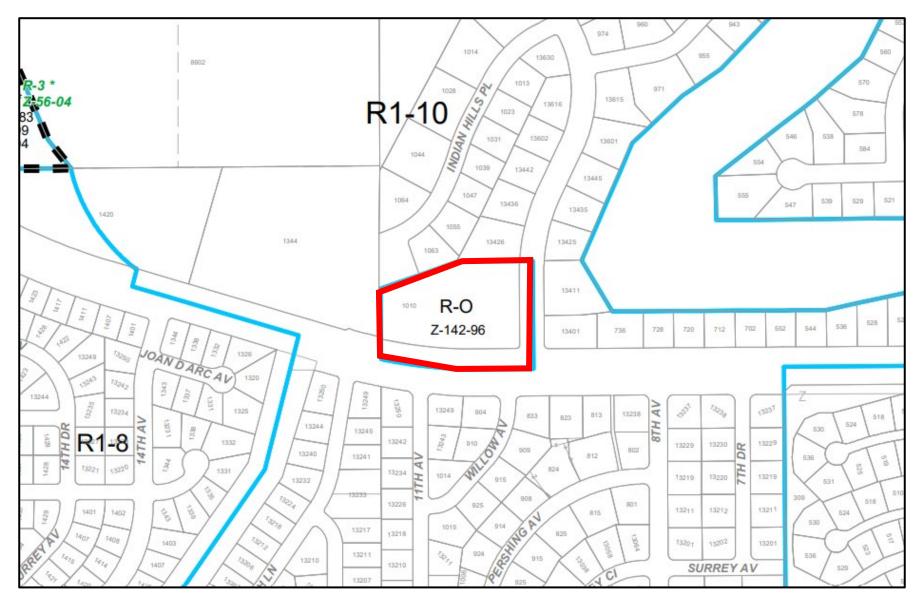
Aerial Map





EXHIBIT B

Zoning Map





General Plan Map

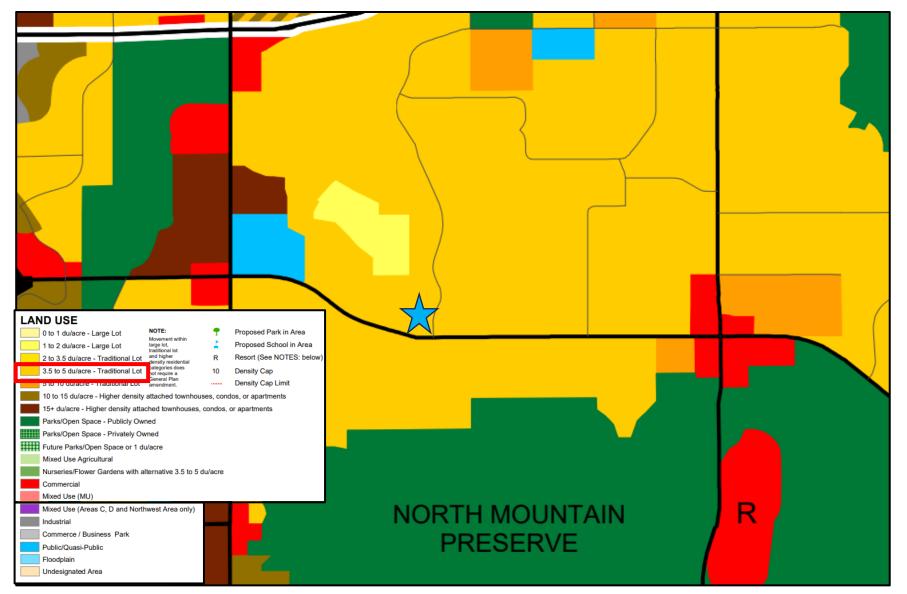




EXHIBIT C





PRELIMINARY NOT FOR CONSTRUCTION

THUNDERBIRD & CORAL

DATE REV

PRE APP SITE PLAN PUD APPLICATION 05.09.2024 09.18.2024

> VRS, RL Checked

VRS Job Number 2338

Drawing SITE PLAN

R1.0

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1 VIEW FROM CORRAL GABLES LOOKING WEST



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www.ccbgarchitects.com

PRELIMINARY NOT FOR CONSTRUCTION

JNDERBIRD & CORAL GABLES D
ELEVATIONS FONT AND REAR

ISSUE REV FOR

05.09.2024 PRE APP SITE PLAN 09.18.2024 PUD APPLICATION

> Drawn VRS, RL Checked

VRS
Job Number
2338

Drawing SITE PLAN

01 1

R3.0

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EXHIBIT D

AT A MAXIMUM HEIGHT OF 3'. 4. STRUCTURES AND LANDSCAPING WITHIN A TRIANGLE MEASURING 33' x 33' ALONG THE PROPERTY LINES WILL BE MAINTAINED AT A MAXIMUM HEIGHT OF 3'.

5. ANY LIGHTING WILL BE PLACED SO AS TO DIRECT LIGHT AWAY FROM ADJACENT RESIDENTIAL DISTRICTS AND WILL NOT EXCEED ONE FOOT CANDLE AT THE PROPERTY LINE. NO NOISE, ODOR, OR VIBRATION WILL BE EMITTED AT ANY LEVEL EXCEEDING THE GENERAL LEVEL OF NOISE, ODOR, OR VIBRATION EMITTED BY USES IN THE AREA OUTSIDE OF THE SITE.

6. OWNERS OF PROPERTY ADJACENT TO PUBLIC RIGHTS-OF-WAY WILL HAVE THE RESPONSIBILITY FOR MAINTAINING ALL LANDSCAPING LOCATED WITHIN THE R.O.W., IN ACCORDANCE WITH APPROVED

7. ALL ROOFTOP EQUIPMENT - SATELLITE DISHES AND/OR MECHANICAL EQUIPMENT- TO BE COMPLETELY SCREENED BY PARAPET WALL AND/OR MECHANICAL PENTHOUSE ENCLOSURE.

8. ALL SERVICE AREAS SHALL BE SCREENED TO CONCEAL TRASH CONTAINERS, LOADING DOCKS, TRANSFORMERS, BACKFLOW PREVENTORS, AND OTHER MECHANICAL OR ELECTRICAL EQUIPMENT FROM EYE LEVEL ADJACENT TO ALL PUBLIC STREETS.

9. BARBED, RAZOR, OR CONCERTINA WIRE (OR SIMILAR) SHALL NOT BE USED ON THIS SITE. 10. ALL SIGNAGE REQUIRES SEPARATE APPROVALS AND PERMITS. NO

SIGNS ARE APPROVED PER THIS PLAN.

11. THIS PROJECT IS LOCATED IN THE CITY OF PHOENIX WATER SERVICES AREA AND HAS BEEN DESIGNATED AS HAVING AN ASSURED WATER SUPPLY.

I CONSENT TO THE REPRODUCTION OF THIS SITE PLAN PROVIDED THAT IF MODIFICATIONS ARE MADE, THE PROFESSIONALS WHO MAKE SUCH CHANGES ASSUME FULL RESPONSIBILITY AND LIABILITY FOR THE MODIFIED PORTIONS OF THE PLAN



BRIAN CASSIDY, AIA
PRINTED NAME OF COPYRIGHT OWNER

LEGAL DESCRIPTION

THAT PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP NORTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID NORTHEAST QUARTER OF THE NORTHEAST QUARTER, SAID POINT OF BEGINNING BEING ALSO THE SOUTHWEST CORNER OF MOON VALLEY, RECORDED IN BOOK 92 OF MAPS, PAGE 2;

WEST LINE OF SAID NORTHEAST QUARTER OF THE NORTHEAST QUARTER, 100.47 FEET TO THE TRUE POINT OF BEGINNING;

THENCE CONTINUING NORTH 00 DEGREES 04 MINUTES 30 SECONDS EAST,

THENCE NORTH 00 DEGREES 04 MINUTES 30 SECONDS EAST, ALONG THE

ALONG SAID WEST LINE, 166.33 FEET; THENCE NORTH 70 DEGREES 55 MINUTES 40 SECONDS EAST, 270.12 FEET;

THENCE NORTH 89 DEGREES 47 MINUTES 20 SECONDS EAST, 204.72 FEET;

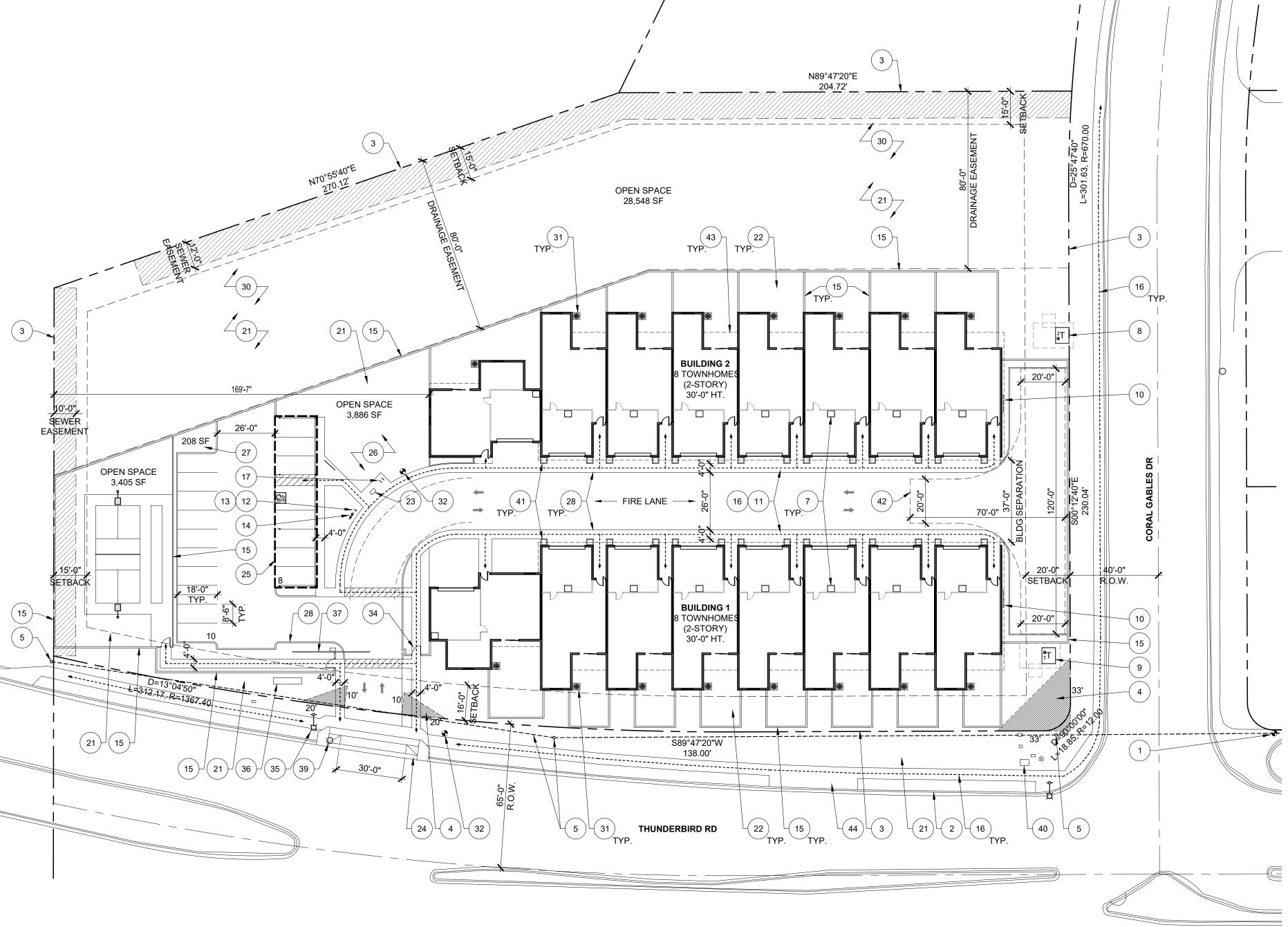
THENCE SOUTHWESTERLY ALONG THE CURVE HAVING A CENTRAL ANGLE OF 4 DEGREES 01 MINUTES 40 SECONDS AND A RADIUS OF POINT BEARING SOUTH 86 DEGREES 11 MINUTES 00 SECONDS EAST, 670.00 FEET, A DISTANCE OF 47.10 FEET;

THENCE SOUTH 00 DEGREES 12 MINUTES 40 SECONDS EAST, 230.04 FEET;

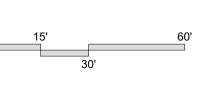
THENCE SOUTHWESTERLY ALONG THE CURVE HAVING A CENTRAL ANGLE OF 90 DEGREES 00 MINUTES 00 SECONDS AND A RADIUS POINT BEARING SOUTH 89 DEGREES 47 MINUTES 20 SECONDS WEST, A DISTANCE OF 18.85

THENCE SOUTH 89 DEGREES 47 MINUTES 20 SECONDS WEST,138.00 FEET;

THENCE NORTHWESTERLY ALONG THE CURVE HAVING A CENTRAL ANGLE OF 13 DEGREES 04 MINUTES 50 SECONDS AND A RADIUS POINT BEARING NORTH 00 DEGREES 12 MINUTES 40 SECONDS WEST, 1,367.40 FEET, A DISTANCE OF 312.17 FEET TO THE TRUE POINT OF BEGINNING.



DIMENSIONS SHOWN ARE APPROXIMATE AND SHOULD NOT BE USED FOR CONSTRUCTION LAYOUT. REFER TO CIVIL ENGINEERING HORIZONTAL CONTROL PLAN FOR LAYOUT DIMENSIONS .





PROJECT DATA

PROJECT ADDRESS: 1010 W THUNDERBIRD RD PHOENIX, AZ 85014

PROJECT DESCRIPTION:

THIS PROJECT IS A 16 UNIT, GROUND UP, TOWNHOMES W/ GARAGE AND ONSITE PARKING. EACH BUILDING IS A TWO-STORY, TYPE VA WOOD FRAME BUILDING, SLAB ON GRADE. THE TOWNHOMES WILL BE INDIVIDUALLY PLATTED, ALONG WITH A SEPARATE HOA FOR SHARED AREA.

APPLICABLE CODES AND STANDARDS:

2018 INTERNATIONAL BUILDING CODE (IBC)

2018 INTERNATIONAL MECHANICAL CODE (IMC)

2018 INTERNATIONAL PLUMBING CODE (IPC) 2017 NATIONAL ELECTRICAL CODE (NEC)

2018 INTERNATIONAL FUEL GAS CODE (IFGC)

2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)

2018 INTERNATIONAL FIRE CODE (IFC)

2018 INTERNATIONAL CODE COUNCIL PERFORMANCE CODE 2018 PHOENIX BUILDING CONSTRUCTION CODE - ADMINISTRATIVE PROVISIONS

208-27-743 GROSS SITE AREA: 3.72 ACRES (162,151 SF) NET SITE AREA:

2.71 ACRES (117,911 SF) **DENSITY CALCULATIONS:** ALLOWABLE PER R-2 PRD: 10.50 DU PROVIDED: 4.30 DU (16 UNITS/ 3.72 ACRES)

TOTAL UNIT COUNT: 16 TOWNHOME UNITS

EXISTING: R-O PROPOSED: PUD **CONSTRUCTION TYPE:**

TYPE VA OCCUPANCY: R-2 APARTMENTS (IBC 310)

SPRINKLERS: YES. NFPA 13 FIRE ALARM: YES

EMERGENCY LIGHTING:

BUILDING AREA BUILDING 1 12,612 SF **BUILDING 2** 12,568 SF

BUILDING SETBACKS: MINIMUM SETBACKS PER R-2 PRD: FRONT SETBACK (SOUTH) 20'-0" ADJACENT TO STREET REAR SETBACK (NORTH) 20-0" ADJACENT TO STREET SIDE YARD SETBACK (EAST) SIDE YARD SETBACK (WEST)

PROPOSED PUD SETBACKS: FRONT SETBACK (SOUTH) REAR SETBACK (NORTH) SIDE YARD SETBACK (EAST) 20'-0" ADJACENT TO STREET

SIDE YARD SETBACK (WEST) **EXISTING EASEMENTS:** 12'-0" SEWER EASEMENT 80'-0" DRAINAGE EASEMENT

BUILDING HEIGHT: ALLOWED: 30'-0" TOP OF ROOF (2 STORIES) PROPOSED: 30'-0" TOP OF ROOF (2 STORIES) COMMON AREA: **EXISTING COMMON AREA REQUIREMENTS:** 5% OF GROSS AREA 162,151 x .05 = 8,108 SF REQ'D PROPOSED COMMON AREA REQUIREMENTS: PICKLEBALL COURT:

SHADED SEATING AREA: 3,886 SF 35,839 SF PROVIDED AMENITIES PROVIDED:

PICKLEBALL COURT SHADED SEATING AREA BIKE FIX-IT

(BLDG FOOTPRINT & OVERHANGS IN SQUARE FOOTAGE) BUILDING 1 14,728 SF **BUILDING 2** 14,751 SF **COVERED PARKING** 1,473 SF 30,952 SF

30,952 SF / 117,911 SF = MAX. ALLOWED = PARKING LOT LANDSCAPE REQUIRED

PROVIDED

LOT COVERAGE:

26% PROVIDED 50% OF NET SF MAX. ALLOWED 5% OF PARKING AREA .05 x 2,889 SF = **144 SF REQ'D**

= 208 SF PROVIDED

PARKING:

REQUIRED 1.5 SPACES PER UNIT (@ 16 UNITS) 24 SPACES .25 SPACES PER UNIT (UNRESERVED) 4 SPACES 28 SPACES REQ'D

PROVIDED GARAGE PARKING 32 SPACES GUEST PARKING 18 SPACES **50 SPACES PROVIDED**

BICYCLE PARKING: 0.25 BICYCLE PARKING FOR EVERY RESIDENTIAL UNIT 4 BICYCLE PARKING SPACES REQ'D 16 UNITS x 0.25 = 4 BICYCLE PARKING SPACES PROVIDED

REFUSE & RECYCLING:

SOLID WASTE: 16 UNITS x .5 = 8 CU YDS @ 2x / WEEK = 4 CU YDS REQ'D

(1) 65-GALLON CONTAINER IN EACH TOWNHOME GARAGE

(65-GALLON CONTAINER x 16 UNITS = 1,040 GALLONS) = **5.1 CU YDS PROVIDED**

KEYNOTES

13. FDC

I. EXISTING PUBLIC FIRE HYDRANT EXISTING CURB

B. PROPERTY LINE

SITE VISIBILITY TRIANGLE 5. EXISTING ELECTRICAL POLE & OVERHEAD ELECTRICAL WIRES TO REMAIN

6. NEW 6' CMU WALL TRASH BINS IN GARAGE, REFUSE TO BE PICKED UP AT EACH HOUSE

8. EXISTING TRANSFORMER AND PAD

9. NEW TRANSFORMER AND PAD

10. NEW SES & ELECTRIC METERS, SEE ELECTRICAL 11. NEW CONCRETE SIDEWALK 12. FIRE RISER

14. FIRE LINE BACK FLOW PREVENTOR 15. 6' WALL: 3' TALL CMU w/ 3' TALL WROUGHT IRON ABOVE, 50% TRANSPARENT

16. ACCESSIBLE ROUTE, SLOPE NO GREATER THAN 1:48 IN ANY DIRECTION, SEE CIVIL DRAWINGS

17. BICYCLE PARKING 18. 100'-0" BUILDING SETBACK 19. 20'-0" BUILDING SETBACK

20. 3'-0" BUILDING SETBACK 21. LANDSCAPE AREA, SEE LANDSCAPE DWGS

22. REAR YARD PATIOS 23. MAILBOXES

24. ACCESSIBLE CURB PER DETAIL MAG STANDARD P1255-1, SEE CIVIL

25. COVERED PARKING, STEEL CANOPY, SEE STRUCTURAL 26. OPEN SPACE

27. LANDSCAPE PARKING AT 5% 28. NEW ROLLED CURB, TYP. 29. 36" HIGH SCREEN WALL, 8" BLOCK w/ CLEAR COAT FINISH TO MATCH BUILDING

30. ABOVE GROUND RETENTION, SEE CIVIL

31. GROUND MOUNTED HVAC UNIT ON CONCRETE PAD 32. NEW PUBLIC FIRE HYDRANT, APPROVED PUBLIC HYDRANT (CPWT 2208876) 33. BELOW GROUND RETENTION, SEE CIVIL

34. ACCESSIBLE ENTRANCE PER IBC 1105.1

35. RELOCATE LIGHT POLE TO THIS NEW LOCATION, (MOVED 30' WEST FROM ORIGINAL LOCATION)

36. MONUMENT SIGN UNDER SEPARATE PERMIT

37. DAY-NIGHT SLIDING GATE 38. EXISTING PUBLIC STORM DRAIN OPENING 39. DRYWELL LOCATION, SEE CIVIL

40. EXISTING ELECTRICAL BOX TO REMAIN 41. 36" x 36" PLANTER WITH 18" CURB 42. HAMMER HEAD TURN-AROUND CLEARANCE FOR EMERGENCY VEHICLES

ZONING ATTORNEY:

PHOENIX, AZ 85016

602.230.0600

602.697.4996

CIVIL ENGINEER **EARTH LINE CIVIL**

PHOENIX, AZ 85014

WITHEY MORRIS BAUGH, PLC

CONTACT: JASON B. MORRIS

CONTACT: STEVE BARGELOH

JASON@WMBATTORNEYS.COM

4408 NORTH 12TH STREET, STE 200

2525 E. ARIZONA BILTMORE CIRCLE, STE A-212

43. BUILDING OVERHANG

DEFERRED SUBMITTALS

UNDERGROUND FIRELINE

SPRINKLER FIRE ALARM

EMERGENCY ACCESS 5. GATE PERMIT IS REQUIRED. (IF APPLICABLE)

PROJECT TEAM

REGAL AMERICAN HOMES 600 W 1ST ST #1049 TEMPE. AZ 85251

CONTACT: AVI AZOULAY AVI@REGALAMERICANHOMES.COM 602.502.1048 ARCHITECT: CCBG ARCHITECTS, INC 102 E. BUCHANAN ST.

PHOENIX, AZ 85021

CONTACT: VIRGINIA SENIOR VSENIOR@CCBGARCHITECTS.COM STEVE@EARTHLINECIVIL.COM 602.258.2211 LANDSCAPE ARCHITECT: **DESIGN ETHIC** 7525 E. 6TH AVE SCOTTSDALE, AZ 85252 CONTACT: BRANDON PAUL

BPAUL@DESIGNETHIC.NET

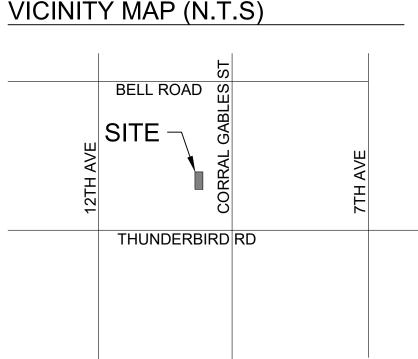
Q.S.# Q32-26 KIVA# 24-843

SDEV# 2400268

PAPP# 2403394

PRLM#

480.225.7077



DATE REV FOR PRE APP SITE PLAN 05.09.2024 09.17.2024 PUD APPLICATION

Drawn

C C B G

Architects, Inc

Phoenix AZ 85004 602.258.2211

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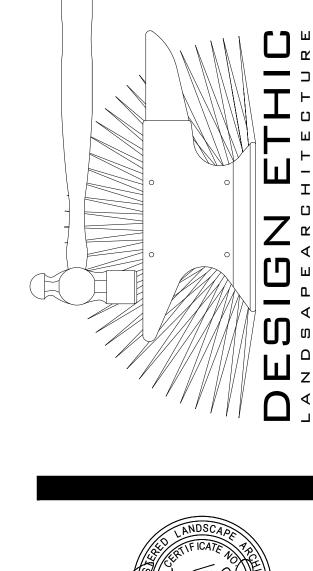
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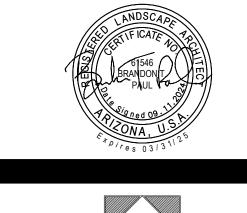
2338 Drawing

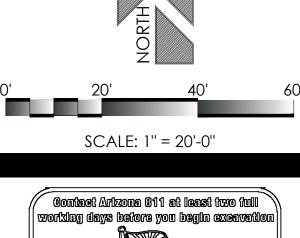
SITE PLAN

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EXHIBIT E









RENDERING

WEST THUNDERBIRD PHOENIX, ARIZONA

JOB NO: DATE: DRAWN BY:

SUBMITTED: REVISED:

RENDERING

1 of 1

WEST THUNDERBIRD PHOENIX, ARIZONA

REVISED:

DIVISION

MULTI-F/

SHEET

RENDERING 30

1 of 1



YUCCA SPECIES

accents

conceptual plant legend

WASHINGTONIA ROBUSTA

	botanical name	common name	botanical name	common name
trees		shruk	OS	
	ACACIA FARNESIANA	SWEET ACACIA	BOUGAINVILLEA 'LA JOLLA'	LA JOLLA BOUGAINVILLEA
	ACACIA CONSTRICTA	WHITETHORN ACACIA	BOUGAINVILLEA 'ROSENKA'	ROSENKA BOUGAINVILLEA
	ACACIA SCHAFFNERI	TWISTED ACACIA	CAESALPINIA GILLIESII	YELLOW BIRD OF PARADISE
	ACACIA SALICINA	WILLOW ACACIA	CAESALPINIA PULCHERRIMA	RED BIRD OF PARADISE
	CAESALPINIA CACALACO	THORNLESS CASCALOTE	CALLIANDRA CALIFORNICA	BAJA FAIRY DUSTER
	CHILOPSIS LINEARIS	DESERT WILLOW	CELTIS PALLIDA	DESERT HACKBERRY
	DALBERGIA SISSOO	SISSOO TREE	CORDIA PARVIFOLIA	LITTLELEAF CORDIA
	FRAXINUS VELUTINA 'RIO GRANDE'	FAN-TEX ASH	DALEA FRUTESCENS	SIERRA NEGRA
	OLNEYA TESOTA	IRONWOOD	DODONAEA VISCOSA	HOPSEED BUSH
	PARKINSONIA X. 'DESERT MUSEUM'	DESERT MUSEUM	ENCELIA FARINOSA	BRITTLEBUSH
	PARKINSONIA PRAECOX	PALO BREA	ERICAMERIA LARICIFOLIA	TURPENTINE BUSH
	PARKINSONIA FLORIDUM	BLUE PALO VERDE	EREMOPHILA SP.	VALENTINE
	PARKINSONIA MICROPHYLLUM	FOOTHILLS PALO VERDE	JUSTICIA CALIFORNICA	CHUPAROSA
	PISTACIA X. RED PUSH	RED PUSH PISTACHE	JUSTICIA SPICIGERA	MEXICAN HONEYSUCKLE
	PITHECELLOBIUM FLEXICAULE	TEXAS EBONY	LARREA TRIDENTATA	CREOSOTE
	PROSOPIS PUBESCENS	SCREWBEAN MESQUITE	LEUCOPHYLLUM CANDIDUM	THUNDER CLOUD
	PROSOPIS CHILENSIS 'THORNLESS'	THORNLESS CHILEAN MESQUITE	LEUCOPHYLLUM LAEVIGATUM	CHIHUAHUAN SAGE
	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK		
	SOPHORA SECUNDIFLORA	TEXAS MOUNTAIN LAUREL	LEUCOPHYLLUM FRUTESCENS 'GREEN	
	TIPUANA TIPU	TIPU TREE	RUELLIA PENINSULARIS	BAJA RUELLIA
alms	ULMUS PARVIFOLIA	EVERGREEN ELM	RUELLIA BRITTONIANA	MEXICAN PETUNIA
	BIZMARKIA NOBILIS	BIZMARK PALM	Russelia Equisetiformis	CORAL FOUNTAIN
	BRAHEA ARMATA	MEXICAN BLUE PALM	SENNA ARTEMISIOIDES	FEATHERY CASSIA
	BUTIA CAPITATA	PINDO PALM	SIMMONDSIA CHINENSIS	JOJOBA
	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	SPHAERALCEA AMBIGUA	GLOBEMALLOW
	CYCAS REVOLUTA	SAGO PALM	TECOMA ALATA	ORANGE JUBILEE
	PHOENIX DACTYLIFERA	DATE PALM	TECOMA CAPENSIS	CAPE HONEYSUCKLE
	PHOENIX ROEBELINII	PIGMY DATE PALM	TECOMA STANS	YELLOW BELLS
	M TOLINOTONIA DODIJETA	MEVICANI EANI DALM		

MEXICAN FAN PALM

AGAVE SPECIES ALOE SPECIES ALOE SPECIES ALOE SPECIES ASCLEPIAS SUBULATA DESERT MILKWEED CARNEGIEA GIGANTEA DASYLIRION SPECIES DASYLIRION SPECIES ECHINOCACTUS GRUSONII GOLDEN BARREL EUPHORBIA ANTISYPHILITICA CANDELILLA EUPHORBIA RIGIDA GOPHER PLANT EUPHORBIA TRICUCALLI STICKS OF FIRE
ALOE SPECIES ASCLEPIAS SUBULATA DESERT MILKWEED CARNEGIEA GIGANTEA DASYLIRION SPECIES ECHINOCACTUS GRUSONII EUPHORBIA ANTISYPHILITICA EUPHORBIA RIGIDA ALOE SPECIES DESERT MILKWEED SAGUARO DASYLIRION SPECIES GOLDEN BARREL CANDELILLA GOPHER PLANT
ASCLEPIAS SUBULATA CARNEGIEA GIGANTEA DASYLIRION SPECIES ECHINOCACTUS GRUSONII EUPHORBIA ANTISYPHILITICA EUPHORBIA RIGIDA DESERT MILKWEED SAGUARO DASYLIRION SPECIES GOLDEN BARREL CANDELILLA GOPHER PLANT
CARNEGIEA GIGANTEA DASYLIRION SPECIES ECHINOCACTUS GRUSONII EUPHORBIA ANTISYPHILITICA EUPHORBIA RIGIDA SAGUARO DASYLIRION SPECIES GOLDEN BARREL CANDELILLA GOPHER PLANT
DASYLIRION SPECIES ECHINOCACTUS GRUSONII EUPHORBIA ANTISYPHILITICA EUPHORBIA RIGIDA GOPHER PLANT
ECHINOCACTUS GRUSONII GOLDEN BARREL EUPHORBIA ANTISYPHILITICA CANDELILLA EUPHORBIA RIGIDA GOPHER PLANT
EUPHORBIA ANTISYPHILITICA CANDELILLA EUPHORBIA RIGIDA GOPHER PLANT
EUPHORBIA RIGIDA GOPHER PLANT
EUPHORBIA TRICUCALLI STICKS OF FIRE
FEROCACTUS CYLINDRACEUS COMPASS BARREL
FOUQUIERIA SPLENDENS OCOTILLO
HESPERALOE FUNIFERA GIANT HESPERALOE
HESPERALOE PARVIFLORA RED YUCCA
HESPERALOE PARVIFLORA 'YELLOW' YELLOW YUCCA
LOPHOCEREUS SCHOTTII SENITA
MUHLENBERGIA CAPILLARIS REGAL MIST
MUHLENBERGIA LINDHEIMERI AUTUMN GLOW
NASSELLA TENUISSIMA MEXICAN FEATHER GRASS
OPUNTIA BIGELOVII TEDDY BEAR CHOLLA
OPUNTIA SANTA-RITA PURPLE PRICKLY PEAR
OPUNTIA FICUS INDICA INDIAN FIG PRICKLY PEAR
OPUNTIA VERSICOLOR STAGHORN CHOLLA
PACHCEREUS MARGINATUS MEXICAN FENCE POST
PEDILANTHUS MACROCARPUS SLIPPER PLANT
PORTULACARIA AFRA ELEPHANTS FOOD

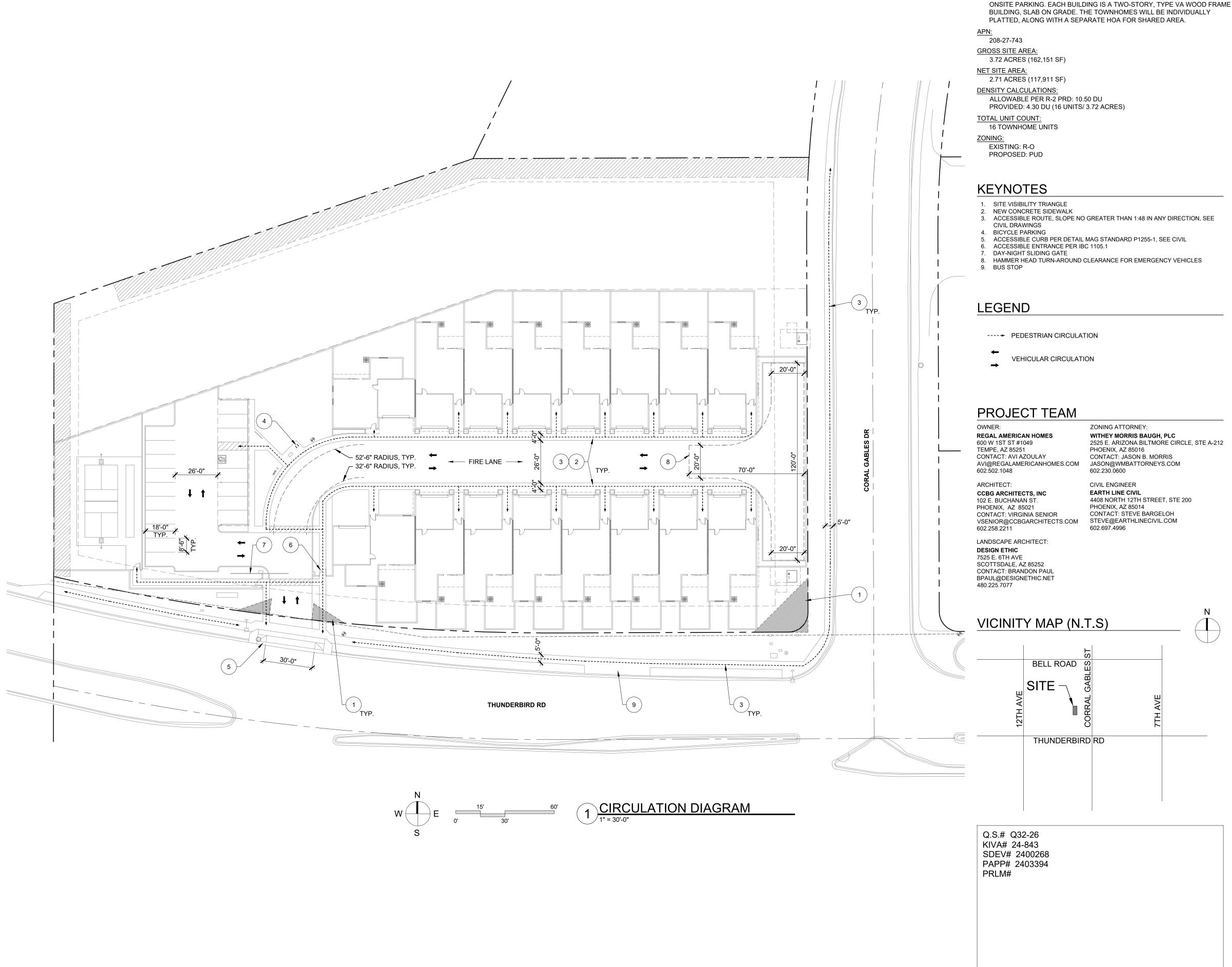
YUCCA SPECIES

vines		
	BOUGAINVILLEA SPECIES	BOUGAINVILLEA SPECIES
	MACFADYENA UNGUIS-CATI	CAT'S CLAW VINE
	JASMINUM MESNYI	YELLOW JASMINE VINE
	PASSIFLORA SP.	PASSION VINE
	PARTHENOCISSUS SP.	HACIENDA CREEPER
groundcove	er ROSA BANKSIAE	lady banks rose
	ACACIA REDOLENS	DESERT CARPET
	AMBROSIA DELTOIDEA	BURSAGE
	BAILEYA MULTIRADIATA	DESERT MARIGOLD
	CONVOLVULUS CNEORUM	BUSH MORNING GLORY
	CHRYSACTINIA MEXICANA	DAMIANITA
	DALEA CAPITATA	DALEA
	GAZANIA RIGENS	GAZANIA
	LANTANA SPECIES	LANTANA SPECIES
	PENSTEMON SPECIES	PENSTEMON SPECIES
	ROSMARINUS OFFICINALIS	ROSMARY
	RUELLIA BRITTONIANA 'KATIE'	'KATIE' RUELLIA
	SETCREASEA PALLIDA	PURPLE HEART PLANT
	SPHAGNETICOLA TRILOBATA	YELLOW DOT
	TETRANEURIS ACAULIS	ANGELITA DAISY
	THYMOPHYLLA PENTACHAETA	GOLDEN DYSSODIA
	ABRONIA VILLOSA	SAND VERBENA
	TURF	TURF

common name

botanical name

EXHIBIT F



PROJECT DATA C C B G PROJECT ADDRESS: 1010 W THUNDERBIRD RD Architects, Inc. PHOENIX, AZ 85014 PROJECT DESCRIPTION: THIS PROJECT IS A 16 UNIT, GROUND UP, TOWNHOMES w/ GARAGE AND

Phoenix - San Diego 102 East Buchanan Street Phoenix AZ 85004 602.258.2211 www.ccbgarchitects.com

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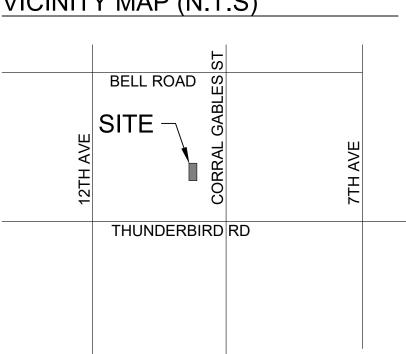
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THUNDERBIRD

DATE REV

05.09.2024 09.17.2024

4408 NORTH 12TH STREET, STE 200 CONTACT: STEVE BARGELOH



Drawn

PRE APP SITE PLAN

PUD APPLICATION

VRS RL Checked VRS Job Number 2338 Drawing

CIRCULATION DIAGRAM

A1.1

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