EXHIBIT 2: LAND USE
EXHIBIT 4: AUTO TRANSIT CIRCULATION
FULL BOULDOUT NETWORK
EXHIBIT 6: ROADWAY PHASING
ROADS REQUIRED BY 2025
EXHIBIT 7: ROADWAY PHASING
ROADS REQUIRED BY 2040
EXHIBIT 8: ROADWAYS - 6 LANE PRINCIPAL ARTERIAL, PRINCIPAL ARTERIAL

6-LANE PRINCIPAL ARTERIAL (160 FT R.O.W.)

4-LANE PRINCIPAL ARTERIAL (144 FT R.O.W.)
EXHIBIT 9: ROADWAYS - 4 LANE MINOR ARTERIAL
4 LANE COLLECTOR WITH PARKING
EXHIBIT 10: ROADWAYS - 4 LANE COLLECTOR WITHOUT PARKING, 2 LANE COLLECTOR WITH PARKING
EXHIBIT 11: ROADWAYS - LOCAL STREETS

LOCAL STREET 1 (52 FT R.O.W.)

LOCAL STREET 2 (50 FT R.O.W.)

LOCAL STREET 3 (48 FT R.O.W.)

MAJOR LOCAL STREET (60 FT R.O.W.)

TO BE USED ON LOW VOLUME ROADS ADT <1,500, PRIVATE ROADS, OR AS APPROVED BY THE COUNTY

BERNALILLO COUNTY LOCAL ROAD SECTIONS INCLUDED BY REFERENCE:
MINOR LOCAL RESIDENTIAL DWG 201008, FEBRUARY 15, 2016
MAJOR LOCAL RESIDENTIAL DWG 201007, FEBRUARY 15, 2016
EXHIBIT 12: ROADWAYS - LEVEL B MULTI-WAY BOULEVARDS

DENNIS CHAVEZ/ATRISCO VISTA @ URBAÑ CENTER *

PASEO DEL VOLCAN @ URBAN CENTER *

* CYCLE TRACK BIKE LANE ALLOWABLE ON MULTI-WAY BOULEVARD ROADWAY
EXHIBIT 13: PEDESTRIAN AND BIKE CIRCULATION MAP
EXHIBIT 14: STORMWATER MASTER PLAN, 2025

NOTES:


2. STORMWATER FACILITIES ARE APPROXIMATE AND ILLUSTRATIVE, SUBJECT TO CHANGE.

3. THE DETENTION / RETENTION FACILITIES AND HIGH FLOW CONVEYANCE FACILITIES ARE ILLUSTRATIVE ONLY. FUTURE LEVEL “C” DESIGN REPORTS WILL REFINE THE DRAINAGE CONCEPTS FURTHER.

4. CONVEYANCE FACILITIES (SUCH AS ABOVE GROUND CHANNELS) WILL BE DESIGNED AS ENGINEERED NATURAL ARROYOS WITH MULTI PURPOSE USES, WHERE PRACTICAL.

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<tr>
<th>BASIN</th>
<th>Area [AC]</th>
<th>24 hr CFS</th>
<th>24 hr Volume [AC-FT]</th>
<th>30 Day Volume [AC-FT]</th>
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EXHIBIT 16: SOIL SURVEY MAP

LEGEND
- Bluepoint fine sand, hummocky
- Bluepoint loamy fine sand, 1 to 9 percent slopes
- Bluepoint-Kokan association, hilly
- Latene sandy loam, 1 to 5 percent slopes
- Madurez loamy fine sand, 1 to 5 percent slopes
- Madurez-Wink association, gently sloping
- Pajaro loamy fine sand, 1 to 9 percent slopes
- Tome very fine sandy loam
- Wink fine sandy loam, 0 to 5 percent slopes

NOTES:
1. ALL SOIL TYPES LOCATED ON SANTOLINA ARE DEVELOPABLE WITH PROPER REMEDIATION.
2. SOIL SURVEY IS APPROXIMATE AND ILLUSTRATIVE, SUBJECT TO CHANGE.
3. APPROXIMATE 27 SOIL BORING WERE CONDUCTED. NO BEDROCK NOR GROUNDWATER WAS ENCOUNTERED IN THE 20'-60' DEEP BORINGS.
4. ALL BORINGS REVEALED PRIMARILY SANDY SOIL CONDITIONS WITH OCCASIONAL CLAY LENSES.
5. SITE SOILS ARE SUITABLE FOR STORMWATER INFILTRATION & PERCOLATION.
6. LOW R-VALUE TEST RESULTS SUGGEST SANTOLINA PAVEMENT SECTIONS MAY BE Thicker THAN COUNTY AVERAGES.
7. EOLIAN - DEPOSITED (WIND BLOWN) SOILS EXIST OVER MUCH OF THE PROJECT AREA. THESE SOILS MUST BE TREATED APPROPRIATELY AND DISTURBANCE MINIMIZED.
EXHIBIT 17: WATER SYSTEM, 2025

NOTES:

1. THIS PLAN CONCEPTUALLY SHOWS WATER SUPPLY FROM EXISTING WATER FACILITIES IN THE COLLEGE TRUNK (NORTH OF I-40). THE FINAL WATER SUPPLY APPROACH WILL BE SUBJECT TO AGREEMENTS WITH ABCWUA.

2. THIS PLAN IS CONCEPTUAL ONLY. FINAL WATER SYSTEM INFRASTRUCTURE TIMING OF INFRASTRUCTURE AND CONFIGURATION SHALL BE DETERMINED BY FINAL AGREEMENTS WITH ABCWUA. APPROPRIATE LEVEL C DESIGN ANALYSIS REPORTS AND ACTUAL DESIGN EFFORTS, APPROVED BY THE WATER AUTHORITY.

3. ALL WATER LINE ALIGNMENTS ARE APPROXIMATE AND ILLUSTRATIVE, SUBJECT TO CHANGE.

4. THE WESTERN PORTION OF THE INDUSTRIAL & ENERGY PARK LIES ABOVE WATER ZONE 7W. FINAL SERVICE CONFIGURATION SHALL BE BASED ON ACTUAL CIRCUMSTANCES AT THE TIME OF DEVELOPMENT. SERVICE OPTIONS INCLUDE INSTALLATION OF PRIVATE OR PUBLIC BOOSTER STATIONS, SITE GRADING, LAND USES WITH NO WATER USE, OR CONNECTION TO EXISTING LINE IN SHELBY ROAD.

5. INFRASTRUCTURE CAN BE PHASED TO CONFORM TO ACTUAL DEVELOPMENT.

6. LOCALIZED WATER DISTRIBUTION SYSTEM (WATER LINES, VALVES, HYDRANTS, ETC.) NOT SHOWN WILL BE INSTALLED IN ACCORDANCE WITH ABCWUA & COUNTY REQUIREMENTS. MOST STREETS WILL HOLD A WATER LINE.

LEGEND

- PRESSURE REDUCING VALVE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- FUTURE WATER LINE

SANTOLINA
EXHIBIT 18: WATER SYSTEM, FULL BUILD

NOTES:
1. THIS PLAN CONCEPTUALLY SHOWS WATER SUPPLY FROM EXISTING WATER FACILITIES IN THE COLLEGE TRUNK (NORTH OF I-40). THE FINAL WATER SUPPLY APPROACH WILL BE SUBJECT TO AGREEMENTS WITH ABCWUA.

2. THIS PLAN IS CONCEPTUAL ONLY. FINAL WATER SYSTEM INFRASTRUCTURE TIMING OF INFRASTRUCTURE AND CONFIGURATION SHALL BE DETERMINED BY FINAL AGREEMENTS WITH ABCWUA, APPROPRIATE LEVEL C DESIGN ANALYSIS REPORTS AND ACTUAL DESIGN EFFORTS, APPROVED BY THE WATER AUTHORITY.

3. ALL WATER LINE ALIGNMENTS ARE APPROXIMATE AND ILLUSTRATIVE, SUBJECT TO CHANGE.

4. THE WESTERN PORTION OF THE INDUSTRIAL & ENERGY PARK LIES ABOVE WATER ZONE 7W. FINAL SERVICE CONFIGURATION SHALL BE BASED ON ACTUAL CIRCUMSTANCES AT THE TIME OF DEVELOPMENT. SERVICE OPTIONS INCLUDE INSTALLATION OF PRIVATE OR PUBLIC BOOSTER STATIONS, SITE GRADING, LAND LINES WITH NO WATER LINE, OR CONNECTION TO EXISTING LINE IN SHELLY ROAD.

5. INFRASTRUCTURE CAN BE PHASED TO CONFORM TO ACTUAL DEVELOPMENT.

6. LOCALIZED WATER DISTRIBUTION SYSTEM (WATER LINES, VALVES, HYDRANTS, ETC.) NOT SHOWN WILL BE INSTALLED IN ACCORDANCE WITH ABCWUA & COUNTY REQUIREMENTS. MOST STREETS WILL HOLD A WATER LINE.

LEGEND

P \hspace{1cm} \text{PRESSURE REDUCING VALVE}

\hspace{1cm} \text{PROPOSED WATER LINE}

\hspace{1cm} \text{EXISTING WATER LINE}

\hspace{1cm} \text{100} \hspace{1cm} 200 \hspace{1cm} 300 \hspace{1cm} 400
EXHIBIT 19: ABCWUA WEST SIDE WATER SYSTEM TRUNK ZONES
EXHIBIT 20: SANITARY SEWER, 2025

NOTES:

1. THIS PLAN IS CONCEPTUAL ONLY. FINAL SEWER SYSTEM INFRASTRUCTURE, TIMING OF INFRASTRUCTURE AND CONFIGURATION SHALL BE DETERMINED BY FINAL AGREEMENTS WITH ARCWUA, APPROPRIATE LEVELS DESIGN ANALYSIS REPORTS AND ACTUAL DESIGN EFFORTS, APPROVED BY THE WATER AUTHORITY.

2. ALL SEWER LINE ALIGNMENTS AND SIZES ARE APPROXIMATE AND ILLUSTRATIVE, SUBJECT TO CHANGE.

3. PRIOR TO EXTENSION OF PUBLIC SEWER LINES, THE INDUSTRIAL & ENERGY PARK SHALL BE SERVED BASED ON PERTINENT CIRCUMSTANCES AT THE TIME OF ACTUAL DEVELOPMENT. SERVICE OPTIONS INCLUDE: (A) TEMPORARY PUMPING TO EXISTING SYSTEMS TO THE EAST (IN BUSINESS PARK) (B) ON-SITE TREATMENT & DISPOSAL SYSTEMS. SEE ALSO NOTE 1.

4. LOCALIZED SANITARY SEWER DISTRIBUTION SYSTEM (SANITARY LINES, MANHOLES, ETC.) NOT SHOWN WILL BE INSTALLED IN ACCORDANCE WITH ARCWUA & COUNTY REQUIREMENTS. MOST STREETS WILL HOLD A SEWER LINE.
EXHIBIT 21: SANITARY SEWER, FULL BUILD

NOTES:

1. THIS PLAN IS CONCEPTUAL ONLY. FINAL SEWER SYSTEM INFRASTRUCTURE, TIMING OF INFRASTRUCTURE AND CONFIGURATION SHALL BE DETERMINED BY FINAL AGREEMENTS WITH ARCOUA. APPROPRIATE LEVEL C DESIGN ANALYSIS REPORTS AND ACTUAL DESIGN EFFORTS, APPROVED BY THE WATER AUTHORITY.

2. ALL SEWER LINE ALIGNMENTS AND SIZES ARE APPROXIMATE AND ILLUSTRATIVE. SUBJECT TO CHANGE.

3. PRIOR TO EXTENSION OF PUBLIC SEWER LINES, THE INDUSTRIAL & ENERGY PARK SHALL BE SERVED BASED ON PERTINENT CIRCUMSTANCES AT THE TIME OF ACTUAL DEVELOPMENT. SERVICE OPTIONS INCLUDE:
   (A) CONSTRUCTION OF POTENTIAL SEWER INTERCEPTOR (NEAR SOUTH & WEST BOUNDARY)
   (B) TEMPORARY PUMPING TO EXISTING SYSTEMS TO THE EAST (IN BUSINESS PARK)
   (C) ONSITE TREATMENT & DISPOSAL SYSTEMS.
   SEE ALSO NOTE 1.

4. LOCALIZED SANITARY SEWER DISTRIBUTION SYSTEM (SANITARY LINES, MANHOLES, ETC.) NOT SHOWN WILL BE INSTALLED IN ACCORDANCE WITH ARCOUA & COUNTY REQUIREMENTS. MOST STREETS WILL HOLD A SEWER LINE.
EXHIBIT 22: DRY UTILITIES

NOTES:
1. WITH DEVELOPMENT OF THE MASTER PLAN AREA, ADDITIONAL UTILITY FACILITIES WILL BE REQUIRED AND PLANNED.
2. EXISTING DRY UTILITIES FACILITIES ARE APPROXIMATE AND ILLUSTRATIVE, SUBJECT TO CHANGE.
3. ONLY A SCHEMATIC FUTURE GAS SYSTEM IS PROVIDED AT THIS TIME. AN ELECTRIC SYSTEM SCHEMATIC WILL BE PROVIDED WITH FUTURE LEVEL B MASTER PLANS.

LEGEND
- 8-12" GAS LINE
- EXISTING SUBSTATION
- EXISTING ELECTRIC TRANSMISSION LINE
- EXISTING GAS LINE
- GAS BORDER STATION
- GAS REGULATOR STATION
EXHIBIT 23: SERVICE FACILITIES AND DISPATCH BOUNDARIES
EXHIBIT 24: EXISTING PUBLIC SCHOOL LOCATIONS
EXHIBIT 25: LEVEL B SEQUENCING MAP