

#### EASEMENTS

- 1 EXISTING 10' ABCWUA SANITARY SEWER EASEMENT (12-05-1974, BOOK MISC 345, PAGE 971)
- 2 EXISTING 50' RADIUS TEMPORARY TURNING EASEMENT (11-08-1985, C28-161)
- (3) EXISTING 10' PUE (12-21-1989, C40-075)
- (4) EXISTING 10' PUE
- (02-21-1986, BOOK MISC 323A, PAGE 942)
- (5) EXISTING 12' UNDERGROUND QWEST EASEMENT (11-08-1985, C28-161)
- EXISTING 10' PUE
- (04-29-2009, 2009C-066)

PROPERTY

- T EXISTING C.O.A. PERMANENT DRAINAGE EASEMENT
- (05-05-1999, 1999060060) EXISTING RECIPROCAL CROSS LOT ACCESS &
   DRAINAGE EASEMENT FOR THE JOINT USE AND

# BENEFIT OF AND TO BE MAINTAINED BY TRACTS A, B & C (04-29-2009, 2009C-066)

#### LOT 2

9.14 ac. Proposed Zoning: SU-1 for City of Albuquerque Community Facilities and

Related Uses

PROPOSED PROPERTY -

EXISTING PROPERTY LINE -

TO BE VACATED AT PLAT

LOT 1 6.89 ac.

FUTURE MODIFICATION TO THE MEDIAN WILL BE -

ALBUQUERQUE PUBLIC SCHOOL

Proposed Zoning: SU-1 for City of

Albuquerque Community Facilities and Related Uses

RIGHT-IN, -

(PROTECTED

PROPOSED 40' WIDE PRIVATE ACCESS

EASEMENT AND PRIVATE WATERLINE,
SANITARY SEWER AND DRAINAGE EASEMENT

LOT 4 5.17 ac.

Proposed Zoning: SU-1 for C-1 Permissive Uses with the Addition of Retail Sales of Alcohol for Off-Premise Consumption as an Ancillary Use to a Grocery Store and the Addition of On-Premises

- EXISTING PROPERTY LINE

TO BE VACATED AT PLAT

PROPOSED 40' WIDE PRIVATE ACCESS EASEMENT AND PRIVATE WATERLINE,

SANITARY SEWER AND DRAINAGE EASEMENT

Liquor Sales Associated with a Sit Down Restaurant

N 84'30'17" W (S 84'30'19" E)

TO BE VACATED AT PLAT

PER THE RECOMMENDATIONS FROM THE TRAFFIC IMPACT STUDY AND COORDINATION WITH

EXISTING-

PROPERTY

LINE, TYP.

LOT 3

5.11 ac. Proposed Zoning: R-2

**NOT A PART** 

(981.96') 981.91'

PROPOSED PROPERTY

EXISTING-

PROPERTY

LINE, TYP.

SITE PLAN FOR SUBDIVISION - REQUIRED INFORMATION:

THE SITE: The Site is Tracts A, B, and C of Cibola Loop Subdivision, consisting of approximately 26 acres. The property boundaries are Ellison Drive on the south and Cibola Loop Drive on the north, east, and west.

ZONING AND PROPOSED USE: The Site is currently zoned SU-1 for R-2 Uses, SU-1 for Senior Housing with Limited Medical Facilities, and SU-1 for C-1 Permissive Uses with No Drive-Up Service Windows. Proposed zoning is SU-1 for City of Albuquerque Community Facilities and Related Uses, SU-1 for C-1 Permissive Uses with the Addition of Retail Sales of Alcohol for Off-Premise Consumption as an Ancillary Use to a Grocery Store and the Addition of On-Premises Liquor Sales Associated with a Sit Down Restaurant, and R-2. Proposed uses are a Multigenerational Center, Library, and Swimming Pool; commercial retail, and multi-family residential.

APPLICABLE PLANS: Seven Bar Ranch Sector Development Plan and the West Side Strategic Plan.

#### PEDESTRIAN AND VEHICULAR INGRESS AND EGRESS:

Vehicular Access: The primary access to this site is from Ellison Drive, a Regional Principal Arterial. Secondary access is from Cibola Loop, a local road. The Ellison Drive access is proposed as right-in, right-out, and (protected) left-in.

Transit Access: The site is to the west of the City's Northwest Transit Center. ABQ Ride Routes that serve the Northwest Transit Center include Routes 92, 94, 96, 98, 155, 157, 251, 551, and 790.

Bicycle Access: Bicycle access is provided to this site via the multi-use, paved, McMahon and Tres Placitas Trails. The McMahon Trail runs along the south edge of the site within the Ellison right-of-way and connects to the Black Arroyo Trail that runs along the west side of the Channel. Tres Placitas Trail breaks off from the McMahon Trail at West Cibola Loop intersection and loops around the residential neighborhood to and through Tres Placitas Park and continues to the northern edge of the site.

Pedestrian Access: Internal sidewalks and pedestrian facilities will be designed in compliance with the Design Guidelines included with this Site Plan for Subdivision. The internal pedestrian network will make connections to and from each of the buildings, through the parking areas, and to the public sidewalks within the adjacent rights-of-way. There is an existing 10 foot wide multi-use trail along Ellison Drive. Sidewalks will be constructed around the perimeter of the site per the requirements of the Development Process Manual.

BUILDING HEIGHTS AND SETBACKS: Maximum building height for the three City facilities shall be 38 feet. The maximum building height for the commercial buildings shall be 26 feet. Setbacks for the civic and commercial uses shall be per the Design Guidelines.

MAXIMUM FLOOR AREA RATIO: The maximum FAR for the civic and commercial areas is .50. The FAR for the R-2 tract is per the R-2 zone.

LANDSCAPE PLAN: Landscape plans shall be submitted with future Site Plans for Building Permit (Except for R-2 site) and shall be consistent with the Water Conservation Landscaping and Water Waste Ordinance, Pollen Control Ordinance, and the Design Guidelines.

STREETS: All interior streets shall be private.

Scale: 1" = 70"

UTILITIES: All public waterlines that are not within public rights-of-way shall be located in public waterline easements granted to the Albuquerque Bernalillo County Water Utility Authority (ABCWUA). All sanitary sewer lines shall be

#### **GENERAL NOTES**

- Lot 3 (Multi-Family) is proposes to be zoned R-2, and as such, the Design Guidelines do not apply.
- 2. The build-out of the City facilities will be phased over time. It is anticipated that the Library (located along the Ellison Drive frontage) will be the first City facility
- built on the property. All future Site Development Plans shall contain stormwater control measures designed to manage the first flush and control runoff generated by
- contributing impervious surfaces. A Traffic Circulation Layout (TCL) plan is required for each development as part of the building permit submittal requirements.

Prepared for:

Vientecillo, LLC

5995 Alameda Boulevard NE

Albuquerque, NM 87111

#### **VICINITY MAP**



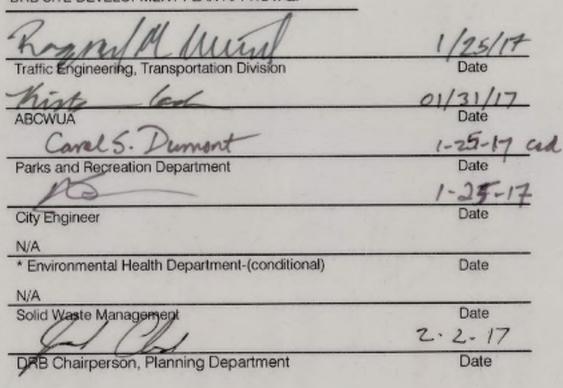
PROJECT NUMBER: 1010895

Application Number: 16EPC-40048

This plan is consistent with the specific Site Development Plan approved by the Environmental Planning Commission (EPC) dated October 14, 2016 and the Findings and Conditions in the Official Notification of Decision are satisfied.

Is an Infrastructure List required? ( ) Yes ( ) No If yes, then a set of approved DRC plans with a work order is required for any construction within Public Right-of-Way or for construction of public improvements.

DRB SITE DEVELOPMENT PLAN APPROVAL



# CIBOLA LOOP

SITE PLAN FOR SUBDIVISION

Consensus Planning, Inc. 302 Eighth Street NW Albuquerque, NM 87102

Sheet 1 of 5

## DESIGN GUIDELINES

The purpose of these Design Guidelines is to provide a framework to assist the architects, landscape architects, and designers in understanding the vision and development goals for this multi-use property. The primary goal for this property is to achieve a vibrant destination that fosters pedestrian accessibility and is an asset to the community and the City of Albuquerque as a whole. These Design Guidelines supplement the Architectural Program completed as part of the Westside Multigenerational Center Feasibility Study on behalf of the Department of Senior Affairs and apply to civic and commercial areas only within the SU-1 portions of the site. The multi-family tract zoned (R-2) is not subject to these Design Guidelines.

Subsequent Site Plans for Building Permits shall be consistent with the Design Guidelines established by this Site Plan for Subdivision and shall be approved administratively, with the exception of the 5-acre commercial retail site, which shall be approved by the Environmental Planning Commission. Minor amendments to this Site Plan for Subdivision shall be approved administratively by the Planning Director in accordance with the Comprehensive City Zoning Code, Section 14-16-2-22 (A)(6) Special Use Zone, and major amendments shall be approved by the Environmental Planning Commission.

#### 1. ACCESS AND CIRCULATION

Access is provided from Ellison Drive and Cibola Loop. Primary access will be from Ellison Drive from a right-in, right-out, left-in access point. Secondary access is from Cibola Loop that aligns with existing roadways.

- Access and circulation for vehicles required to perform maintenance to recreation areas and buildings shall be maintained
- Fire access shall be provided in accordance with the International Fire Code and adopted and amended by the State of New Mexico and the City of Albuquerque, and with current regulations of the Albuquerque Fire Department.

#### 2. PEDESTRIAN AND SITE AMENITIES

The creation of a pedestrian-friendly environment will depend on creative site design and will be a primary design objective for Cibola Loop.

- 2.1 The use of a consistent design for all types of site furniture will serve to unify different areas of the property. Site furniture will be located in areas of more active recreation or pedestrian movement and consist of the following: benches, picnic tables, trash receptacles, bicycle racks, bollards, and informational signage. Selection of fixtures should be based on design compatibility, durability/maintenance needs, vandal-resistance, cost, comfort, and handicap accessibility
- Pedestrian paths shall be designed to be handicapped accessible (see Americans with Disabilities Act Criteria for Barrier-Free Design, except where topography makes this unfeasible).
- 2.3 Accessible drop off areas shall be provided at the front entries of each of the three City facilities.
- Pedestrian connections shall be provided from parking lots to buildings, adjacent roadways, public sidewalks, and trails.
- Pedestrian crossings shall be clearly demarcated with special paving treatment where they cross vehicular entrances and drive aisles. Speed tables and similar traffic-calming devices are encouraged at major
- Freestanding restaurants shall provide outdoor patios shaded by trees and/or a shade structure that is architecturally integrated with building architecture.
- Structures and on-site circulation systems should be located to minimize pedestrian/vehicle conflicts.
- All sidewalks, ramps (including required truncated domes) curb cuts, and curb and gutter located within City right-ofway shall be built per City of Albuquerque Standard Drawings: sidewalks (2430), ramps (2440), curb cuts (2426), and curb and gutter (2415 A).

#### 3. PARKING

In order to support the goals for the property regarding pedestrian accessibility, careful attention should be paid to the parking design. The goal for the City facilities is to allow shared parking.

- Handicapped parking spaces shall be provided adjacent to building entries.
- 3.2 The number of parking spaces shall be as provided below:
  - Multigenerational Center: maximum of 300 spaces, including a minimum of 20 handicapped spaces with 10 being van accessible spaces
  - → Library: maximum of 110 spaces, including 8 handicapped spaces with 2 being van accessible spaces
  - > Swimming Pool: maximum of 100 spaces, including 4 handicapped spaces with 1 being van accessible spaces
  - > Commercial retail: minimum number of spaces per the C-1 zone; no minimum number of spaces are required
- Bicycle parking shall be conveniently located near building entrances. The minimum number of bicycle racks shall be determined by the number of parking spaces provided, consistent with the City Comprehensive Zoning Code.
- A shared parking agreement shall be required for the three civic uses and the commercial retail use.
- Specific design of parking areas and access roads shall be in accordance with the City's Development Process Manual (DPM), and in compliance with the City's Comprehensive Zoning Code, Section 14-16-3-1. Minimum widths and radii for fire access shall be maintained in accordance with 1.2 above.
- Alternative surfacing treatments for the parking areas should be explored to allow for water permeability. Opportunities to harvest water in planted islands should also be considered (See Section 14).

#### 4. SETBACKS

The use of building and parking area setbacks is required to provide space for the creation of visually attractive streetscapes.

- 4.1 Minimum setback for buildings:
  - > 30 feet from the R.O.W. line of Ellison Drive
  - > 30 feet from the R.O.W. line of Cibola Loop
- 4.2 Minimum setback for parking areas:
  - > 20 feet from the R.O.W. line of Ellison Drive
  - > 20 feet from the R.O.W. line of Cibola Loop
- 4.3 Playground areas:
  - > 30 feet from adjacent street or parking lot, unless a physical barrier, such as walls or fencing is provided to restrict access to the street.

#### 5. SITE VISIBILITY AND VIEWS

Visibility from Ellison is important for both the Library and the commercial retail site. The primary views from the site are towards the Sandias to the east and northeast. The west and northwest of the site afford the best views due to the grade differential from west to east and the distance from existing and potential neighboring development, as described in the Architectural Program completed for the three civic uses.

- 5.1 Multigenerational Center: The Multigenerational Center should be easily visible from Ellison Drive and the access to parking and drop-off area should be clear and easy to navigate. Views to the Sandias from many of the Center's primary program areas are important and should be provided from the second level.
- Library: Good visibility from Ellison Drive should be provided to the Library. Views from the Library's primary program areas towards the Sandias should be provided.
- 5.3 Swimming Pool: Direct visibility from Ellison Drive is not essential, but good wayfinding for access from Ellison Drive and Cibola Loop should be provided. Views would be a benefit, but are not essential.

#### 6. LANDSCAPE

Building

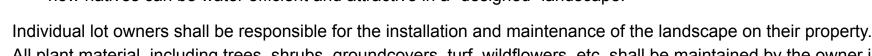
Outdoor patio shaded by trees.

The development of an overall landscape concept will establish a framework that unifies the property. The landscape design should emphasize native and naturalized plant species, but is not limited to those species. All landscaped areas need to be coordinated and responsive to existing environmental conditions and local building policies. These guidelines are to be used as a supplement to the City requirements in the Water Conservation Landscaping and Water Waste Ordinance, the Street Tree Ordinance, and landscape regulations included in the City of Albuquerque Comprehensive City Zoning Code.

- 6.1 Plant materials will be used for a variety of purposes, including:
  - > Buffer/screen plant materials will be used to buffer certain facilities from noise and wind, and screen views to/from objectionable elements;
  - Shade/climate control shade trees will be used along pedestrian paths and around activity centers;
  - > Define uses or activities trees and shrubs will be used to define specific areas:
  - to frame elements, provide foreground and background interest, etc.

Highlight specific features - trees and shrubs will be used

- Sensory stimulation fragrant and flowering trees and shrubs will be used to stimulate the senses of sight, smell, and touch; and
- Education native landscape materials appropriate to our high desert environment will be used to demonstrate how natives can be water efficient and attractive in a "designed" landscape.



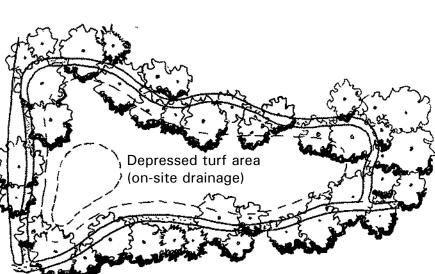
Shaded walkways.

- All plant material, including trees, shrubs, groundcovers, turf, wildflowers, etc. shall be maintained by the owner in a living, attractive condition.
- Common area landscaping shall be maintained by an association established for that purpose.
- A minimum of 15 percent of site area (minus the building square footage) shall be devoted to landscape materials.
- Landscaped areas shall be a minimum of 36 square feet and a minimum width of 6 feet. Living, vegetative materials shall cover a minimum of 75 percent of the landscaped
- All planting areas not covered with turf shall have a ground topping of river rock, shredded bark, gravel mulch, or similar material which extends completely under the plant

mature canopy size of all plant materials.

areas. The area and percentage is calculated based on the

- Appropriate landscape headers (e.g. steel, brick, concrete) shall be used to separate any turf and groundcover areas.
- One shade tree shall be planted for every ten parking spaces, with no parking space being more than 100 feet from a tree trunk. Parking area trees shall have a mature height and canopy of at least 25 feet.



Outdoor recreation areas should be designed for dual use (recreation and on-site drainage).

- 6.10 An automatic underground irrigation system shall be provided to support all required landscaping.
- 6.11 Minimum plant sizes at time of installation shall be as follows:
  - Trees: 1.5 inch caliper, or 10 to 12 feet in height
  - → Shrubs & Groundcovers: 1 gallon
  - Turf grasses shall provide complete ground coverage within 1 growing season after installation.

#### 7. SCREENING / WALLS AND FENCES

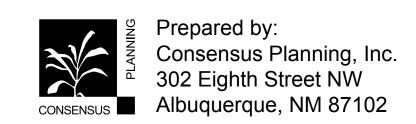
The effective use of screening devices for mechanical equipment, parking lots, loading areas, refuse collection, and delivery/ storage areas is essential to limit their adverse visual impact on the property.

- 7.1 All mechanical equipment shall meet the screening requirements of Section 14-16-3-1(E)(4) of the Comprehensive City Zoning Code. All mechanical equipment shall be screened from public view by materials of the same nature as the basic materials of the building.
- 7.2 All screening and vegetation surrounding ground-mounted transformers and utility pads shall allow 10 feet of clearance in front of the equipment door and 5-6 feet of clearance on the remaining three sides for safe operation, maintenance, and repair purposes. Refer to the PNM Electric Service Guide at www.pnm.com for specifications.
- 7.3 All outdoor refuse containers shall be screened within a minimum 6 foot tall enclosure which is large enough to contain all trash generated between collections. Trash enclosures shall be screened with plant materials.
- 7.4 The Multigenerational Center shall include a 30 yard self contained compactor and shall be screened with an 8 foot
- 7.5 The design and materials for refuse collection enclosures shall be compatible with the architectural theme and materials of the site and adjacent buildings.
- No refuse collection areas shall be allowed between streets and building fronts.
- Parking areas shall be screened with plant materials, walls, earthen berming, or a combination of the above. Such screening shall have a minimum height of 3 feet.
- 7.8 Walls and fences shall comply with Section 14-16-3-19, General Height and Design Regulations for Walls, Fences, and Retaining Walls.
- 7.9 Fencing for the Swimming Pool shall comply with Chapter 10 Amusement, Recreation, and Culture, Article 3 Swimming Pools, Section 10-3-2-3 Barrier, which requires pools to be completely surrounded by a barrier at least 48 inches in height, the spaces between bars no greater than 4 inches in width, and the bottom rail or bar to be a maximum of 4 inches above the deck or grade.
- 7.10 Fencing shall be provided for chemical screening at the Swimming Pool area. Fencing materials should allow for passive surveillance of the chemical screening area.
- 7.11 The maximum height of retaining walls is 10 feet facing the interior of the site. Maximum height of retaining walls facing public rights-of-way shall be in compliance with 7.8 above. Areas requiring greater retainage are required to be terraced.
- 7.12 Barbed wire, chain link, concertina wire, and plastic/vinyl fencing are prohibited.
- 7.13 Clear site distances will be maintained at all driveway locations.
- 7.14 Materials acceptable for retaining walls are masonry block (no unfinished), split face block, burnished block, architectural concrete, and stone.

# CIBOLA LOOP

#### DESIGN GUIDELINES

Prepared for: Vientecillo, LLC 5995 Alameda Boulevard NE Albuquerque, NM 87111



Sheet 2 of 5 December 12, 2016

#### 8. ARCHITECTURE

The architectural design should demonstrate a high quality aesthetic character throughout the property and should respond to climate, views, solar access, and aesthetic considerations. The following guidelines are intended to provide design flexibility while maintaining design consistency for all architectural elements throughout the property.

- 8.1 The maximum height for civic buildings at Cibola Loop shall not exceed 38 feet, as measured from the highest adjacent finished grade. The maximum height for commercial buildings at Cibola Loop shall not exceed 26 feet, as measured from the highest adjacent finished grade.
- All non-residential buildings shall comply with Section 14-16-3-18, General Building and Site Design Regulations for Non-Residential Uses of the Comprehensive City Zoning Code, as well as other local building and fire codes.
- Finished building materials shall be applied to all exterior sides of buildings and structures and shall be consistent on all sides. Any accessory buildings and enclosures, whether attached or detached from the main building, shall be of similar compatible design and materials.
- Generic franchise building elevations or canopies are prohibited
- Building entry ways shall be clearly defined and include a canopy, portal, or awning that is architecturally integrated with the building. No plastic or vinyl building panels, awnings, or canopies are allowed.
- Buildings should employ variety in structural forms to create visual character and interest, and avoid long, unarticulated facades. Facades should have varied front setbacks, with wall planes not running in one continuous direction for more than 50 feet without a change in architectural treatment.
- Building edge treatments shall "step down" to relate to the scale of pedestrians. Building masses should be arranged to cast shadows on each other in order to emphasize the contrast of light and shaded surfaces at corners and edges.
- Windows and doors are key elements of any structure's form and should relate to the scale of the elevation on which they appear. The use of recessed openings helps to provide depth and contrast on elevation planes. Glazing should respond to climate, view, and orientation.
- Highly reflective surfaces; exposed, untreated, precision block walls; and materials with high maintenance requirements are undesirable and should be avoided.
- 8.10 Materials should be chosen that can be easily repaired and can withstand abuse by vandals, accidental damage by machinery, heavy sun, or southwest climate.
- 8.11 Cell towers shall be architecturally integrated.

#### 9. LIGHTING AND NOISE

The primary design objective of the site lighting system shall be to maximize public safety, while not affecting adjacent properties, buildings, or roadways with unnecessary glare or reflection.

- 9.1 All lighting shall comply with Section 14-16-3-9, Area Lighting Regulations of the Comprehensive City Zoning Code. Placement of fixtures and guidelines shall conform to state and local safety and illumination guidelines. All exterior installations must be provided with ground-fault interruption circuits.
- 9.2 All lights shall be shielded source with glare cut off angles of a maximum of 75 degrees to prevent spillage onto adjoining properties or light pollution of the existing "dark sky". All lighting shall be compliant with the State of New Mexico Night Sky Protection Act, NMSA 1978, 74.12. Cobra and sodium lights are prohibited.
- Maximum height for light fixtures shall be as follows:
  - Parking Areas and Interior Streets: 30 feet
  - Pedestrian/bicycle paths: 16 feet
  - → Building lighting shall not cause glare or night sky pollution.
  - > 42 inches maximum height for bollard lights
- Lighting for all outdoor recreation areas shall be programmed to turn off at 10:00 p.m.
- Area lighting should be used to highlight public spaces and walkways. The use of walkway level lighting, such as bollard lights or wall pocket lights, is encouraged to accent pedestrian zones.
- Individual site lighting shall blend with the architectural character of the buildings and other site fixtures.
- Site lighting shall be restricted to a maximum off-site luminance of 1,000 lamberts from any point and 200 foot lamberts from any residential property line.
- Accent lighting is permitted, however, surface lighting is limited to an average of 2 footcandles measured 4 feet from the surface level of any point on the building surface being lighted.
- Noise generated from the outdoor recreation areas shall be subject to the City's Noise Control Ordinance, Article 9: Noise Control.

#### 10. SIGNAGE

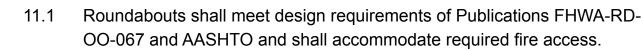
The following signage guidelines were developed to regulate the size, location, type, and quality of sign elements within Cibola Loop. The goal is to provide a signage program that is of high quality, maintains a consistent style, creates a sense of arrival, and complements the visual character of the property.

- 10.1 All signs shall be in compliance with Section 14-16-3-5 General Sign Regulations of the Comprehensive City Zoning Code
- 10.2 Entry signs shall be monument type and shall complement the materials, color, and architectural character of the buildings. A Monument Sign is defined as a freestanding sign where the base of the sign structure is connected to the ground and integrated into the landscape, with no clear space for the full width of the sign between the bottom of the sign and the surface of the ground.
- 10.3 One project monument sign is allowed at each of the project entries at Ellison Drive and Cibola Loop. The monument sign at Ellison Drive shall be a maximum of 15 feet in height, with a maximum sign area of 75 square feet. The monument sign at Cibola Loop shall be a maximum of 10 feet in height, with a maximum sign area of 50 square feet. These project monument signs shall be of similar design and materials.

- 10.4 One individual monument sign is allowed for each civic building and for the commercial parcel. Maximum height for individual monument signs shall not exceed 8 feet and shall have a maximum signage area not to exceed 40 square
- 10.5 Free-standing signs shall be designed that do not require any external bracing, angle-iron supports, guy wires or similar devices.
- 10.6 No signage is allowed that uses moving parts, makes audible sounds, or has blinking or flashing lights.
- Signs shall not overhang into the public right-of-way or extend above the building roof line.
- 10.8 Off-premise signs and portable signs are prohibited.
- Building-mounted signs shall not exceed 6 percent of the facade area. Maximum logo size shall not exceed 3 feet by 5 feet.
- 10.10 Building-mounted signs shall:
  - Identify the name and address of the building;
  - > Have a maximum of 4 different colors;
  - > Have a significant contrast between the background and the text in order to ensure readability; and
  - > Not intrude upon any architectural features, including windows, columns, mouldings, or other decorative
- 10.11 No illuminated plastic panel signs are allowed except business logos.
- 10.12 Lighted signs shall not face residential neighborhood.
- 10.13 Directional signs for pedestrian and bicycle trails, parking areas, etc. may be up to 8 feet in height. Directional signs shall be made of stone/masonry, concrete, or any anodized, oxidized, or powder coated metal.

#### 11. ROUNDABOUT

A roundabout will be utilized as a traffic calming device within the project interior. A character defining element will be located north of the roundabout and may include signage.



11.2 Raised islands with rolled curbs will be used to direct traffic counterclockwise and prevent left turn movements. Crosswalks will provide clear separation between vehicular and pedestrian movements.

#### 12. TRANSPORTATION DEMAND MANAGEMEN'

In order to reduce single-occupancy vehicles, Transportation Demand Management (TDM) will help mitigate traffic impacts of a development.

- 12.1 Designated carpool parking spaces shall be provided at Cibola Loop civic buildings to encourage carpooling, and shall be noted on future Site Development Plans.
- 12.2 The City departments should work with their employees to encourage carpooling, bus ridership, and alternative modes of transportation.
- 12.3 The City departments should post the City trail map and bus route information in public lobbies, employee break rooms, or other locations easily accessible to employees.
- 12.4 Conveniently located bicycle racks and facilities shall be provided to encourage bicycle commuting.

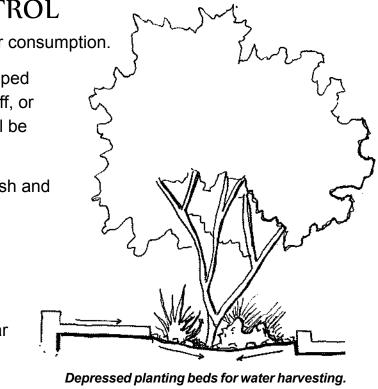
#### 13. UTILITIES

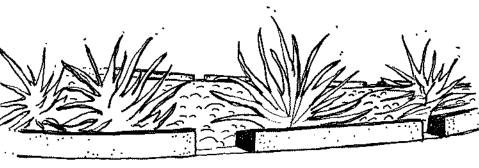
To ensure the overall aesthetic quality of the property, the visual impact of utilities and equipment should be minimized.

- 13.1 All new electric distribution lines shall be placed underground.
- Transformers, utility pads, and telephone boxes shall be appropriately screened with walls and/or vegetation when viewed from the public right-of-way. Screening of transformers, utility boxes and other utility structures shall not impede access to the equipment and shall provide for safe maintenance and repair by utility workers.
- 13.3 When an above-ground backflow prevention device is required by the City of Albuquerque, the heated enclosure shall be constructed of materials compatible with the architectural materials used as the main elements of the building. If pre-fabricated fiberglass enclosures are used, they shall be appropriately screened from view by walls and/or landscaping.
- 13.4 PNM Coordination: Development shall abide by all conditions or terms of utility easements prior to development, contact shall be made to PNM's new Service Delivery Department to coordinate electric service and options for the location of electrical service connection. Any existing or proposed public utility distribution easements are to be indicated on subsequent Site Plan for Building Permit utility sheets.PNM's standard for public utility distribution easements is 10 feet in width to ensure adequate, safe clearances.

#### 14. SUSTAINABILITY AND STORM WATER CONTROL

- 14.1 Energy efficient techniques shall be utilized to reduce energy and water consumption.
- 14.2 Water harvesting techniques, such as curb cuts for drainage to landscaped areas, permeable paving, bioswales to slow and treat storm water runoff, or cisterns for the collection and reuse of storm water and gray water shall be provided, where appropriate.
- 14.3 Storm water control measures shall be designed to manage the first flush and control runoff generated by contributing impervious surfaces.
- 14.4 Where feasible, roofs shall drain water to areas which are landscaped appropriately for such run-off.
- 14.5 Buildings shall be oriented to take advantage of heat gain in the winter where possible while coordinating with shading strategies to inhibit solar gain in the summer.
- 14.6 Grasses and other ground vegetation should be placed near project edges to help filter and slow runoff as it exits and enters the site.
- 14.7 Convenient recycling collection facilities shall be provided by all tenants of the site.
- 14.8 The use of sustainable design principles environmentally-responsible building concepts and earth-friendly procedures is encouraged.



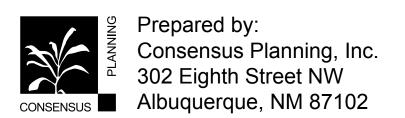


Curb-cuts allow drainage to landscape areas

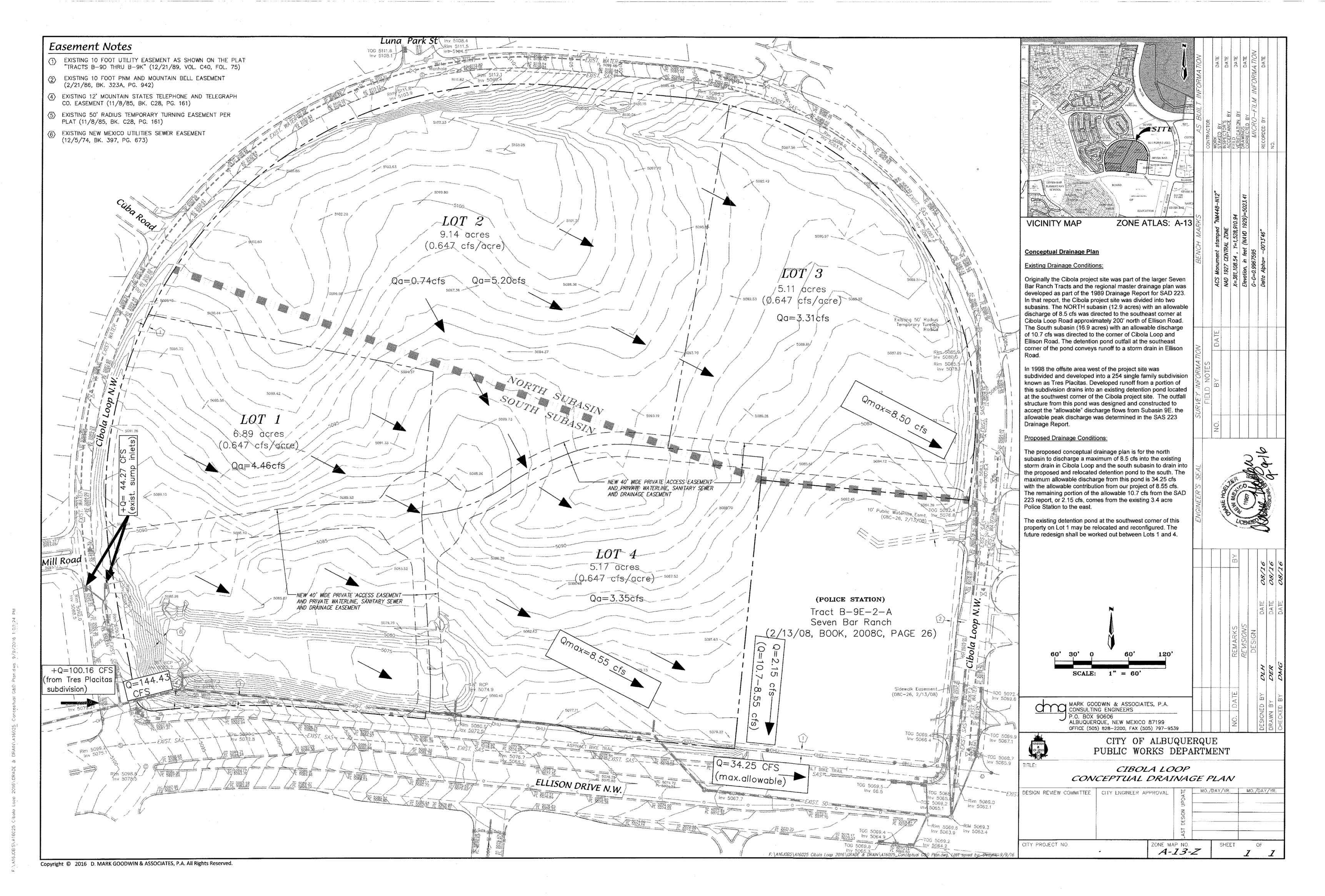
# CIBOLA LOOP

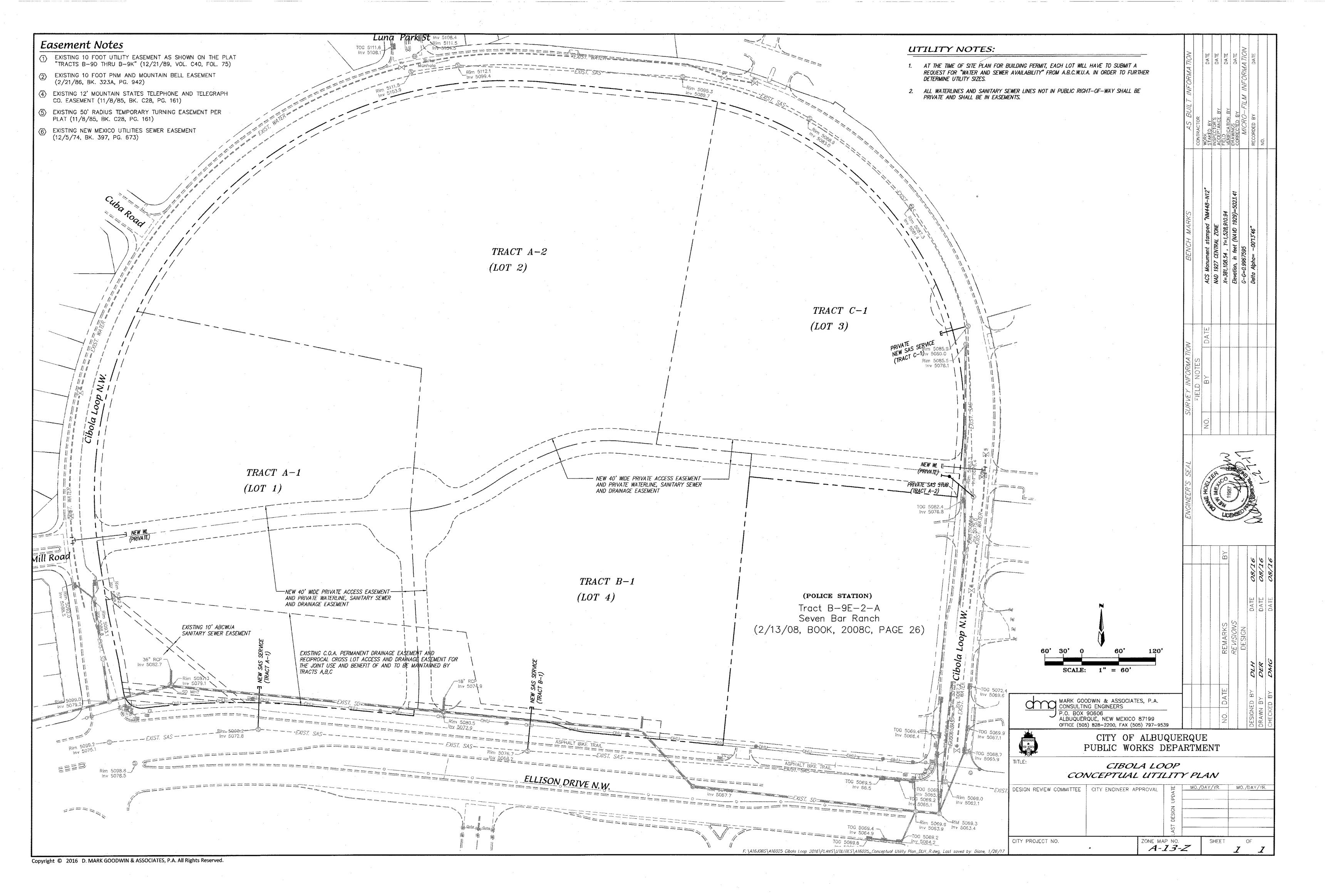
#### DESIGN GUIDELINES

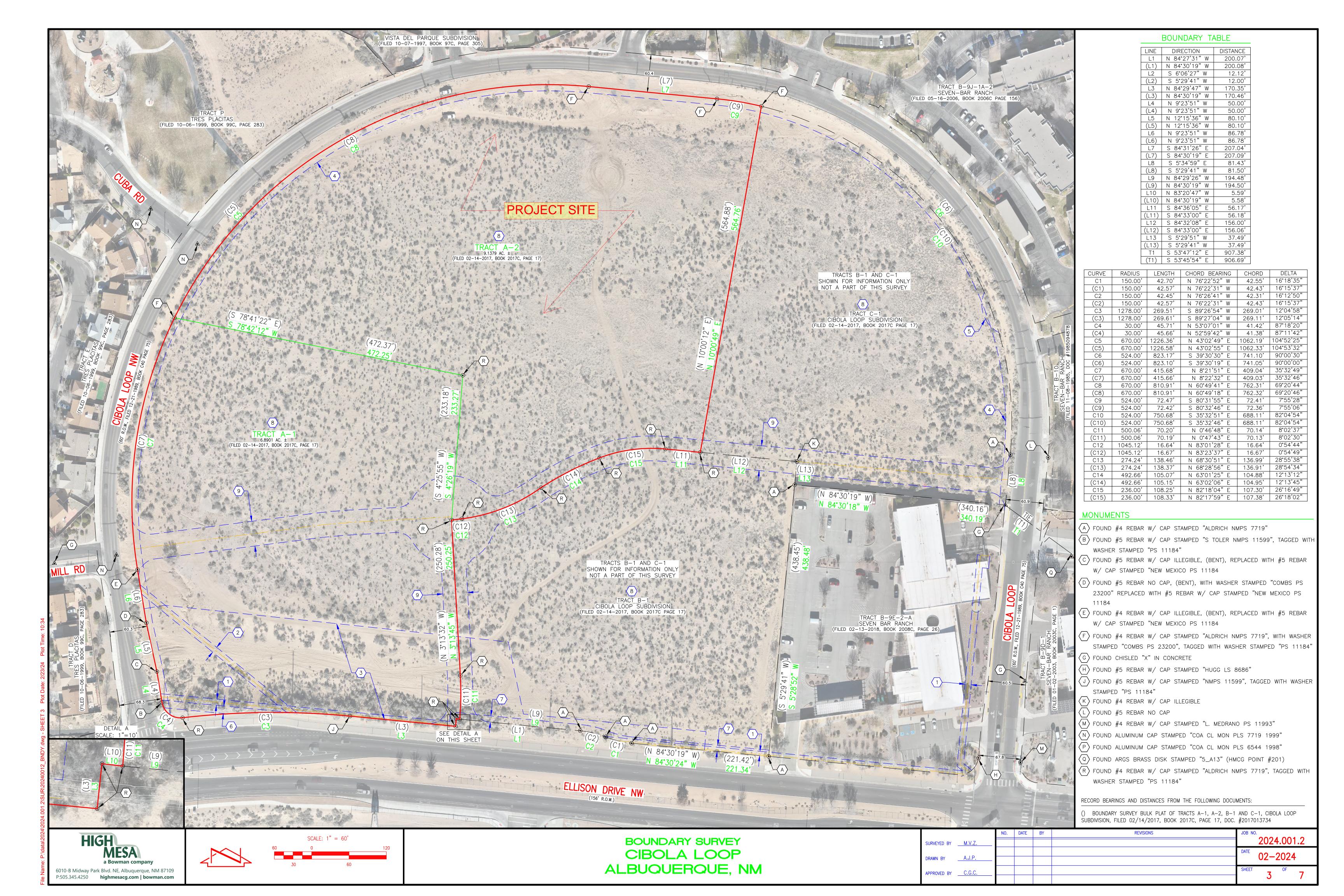
Prepared for: Vientecillo, LLC 5995 Alameda Boulevard NE Albuquerque, NM 87111

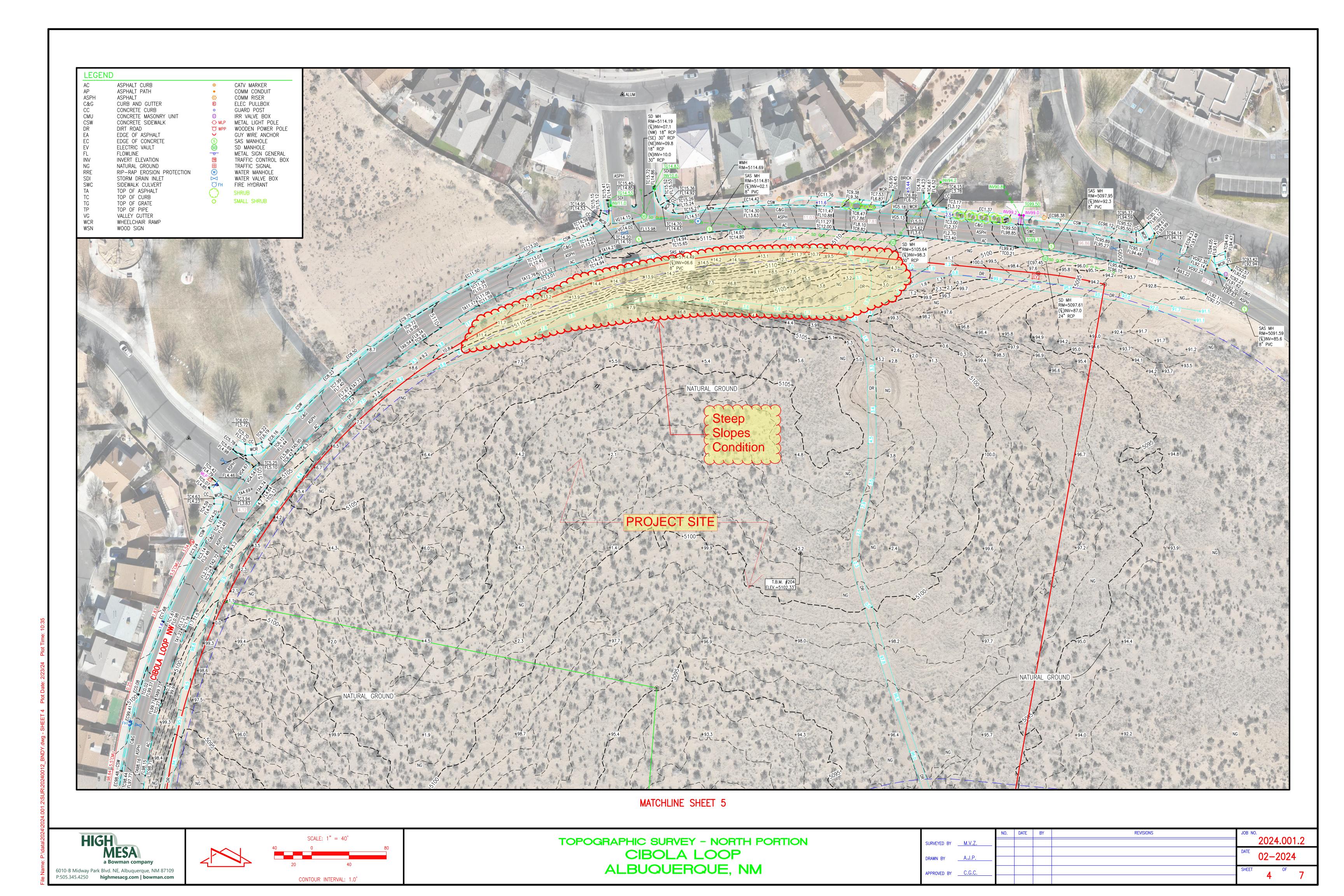


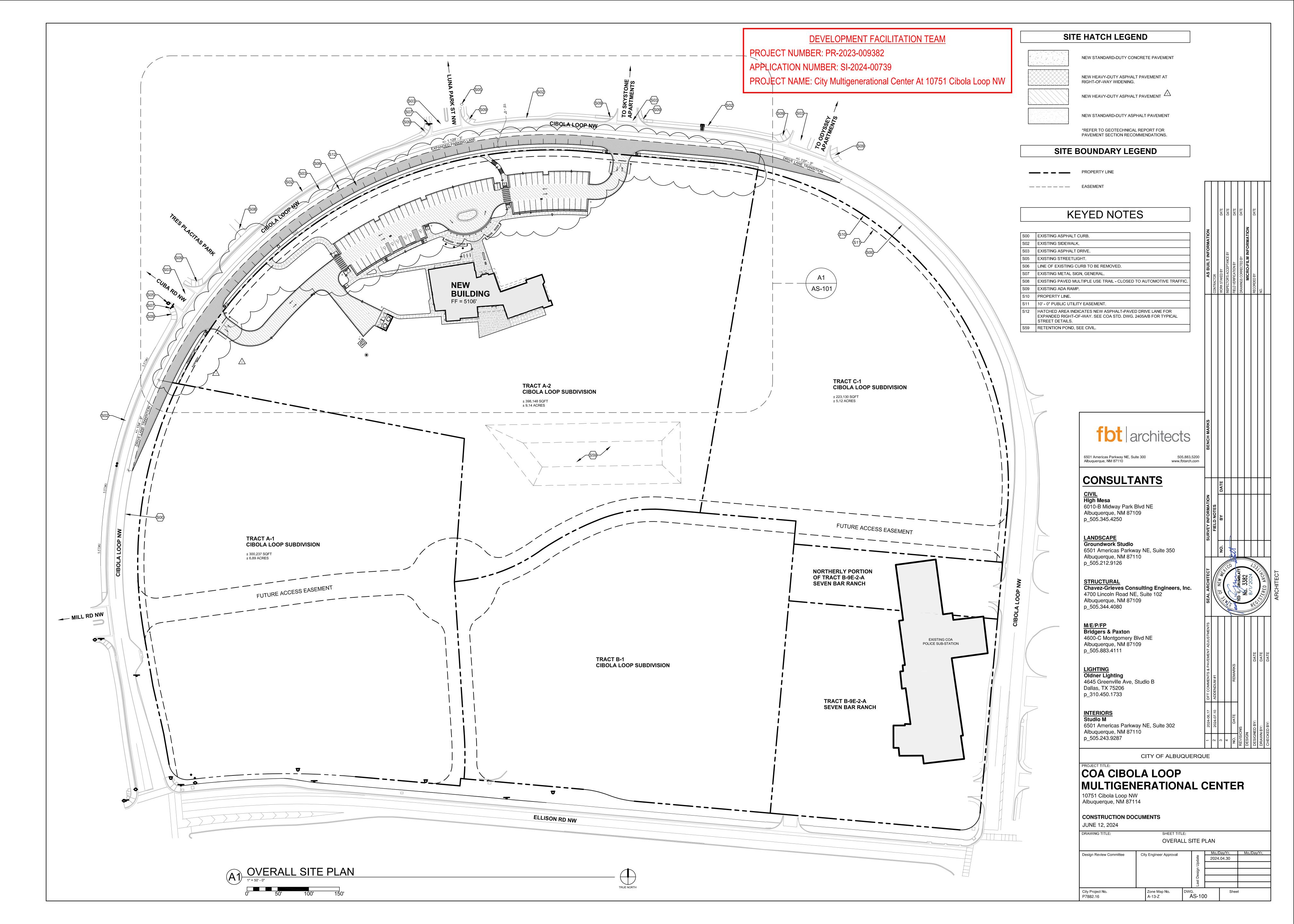
Sheet 3 of 5 December 12, 2016

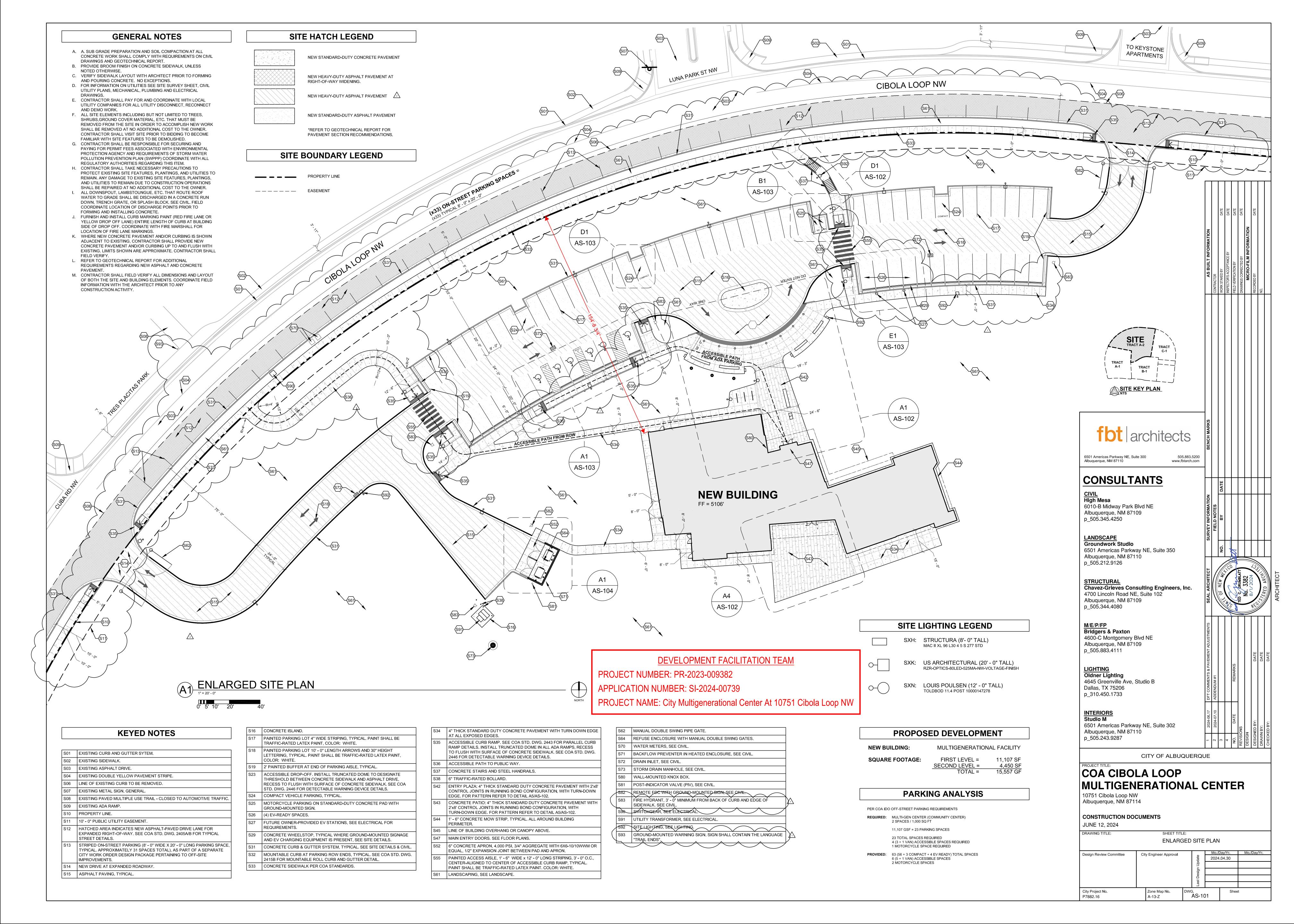


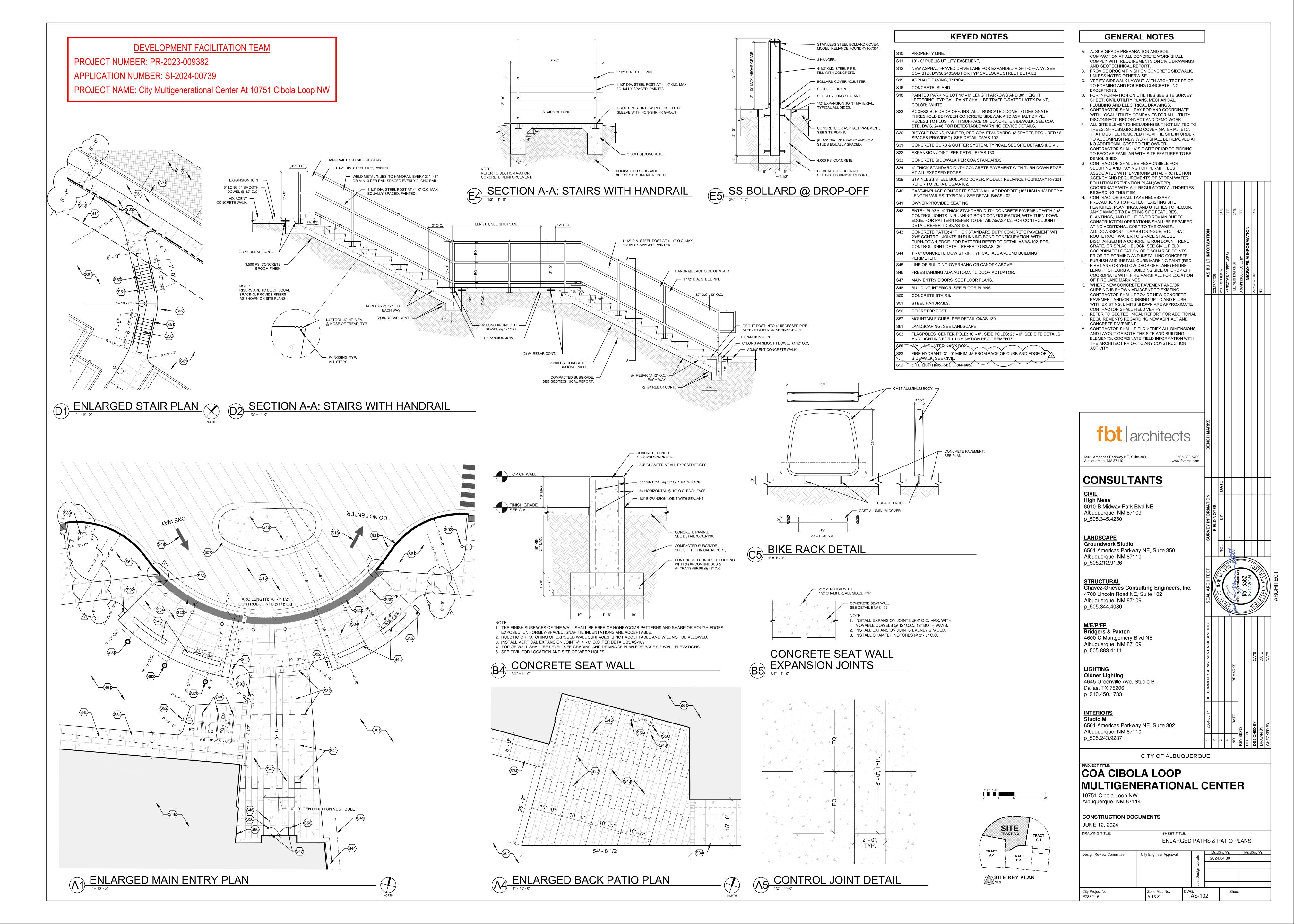


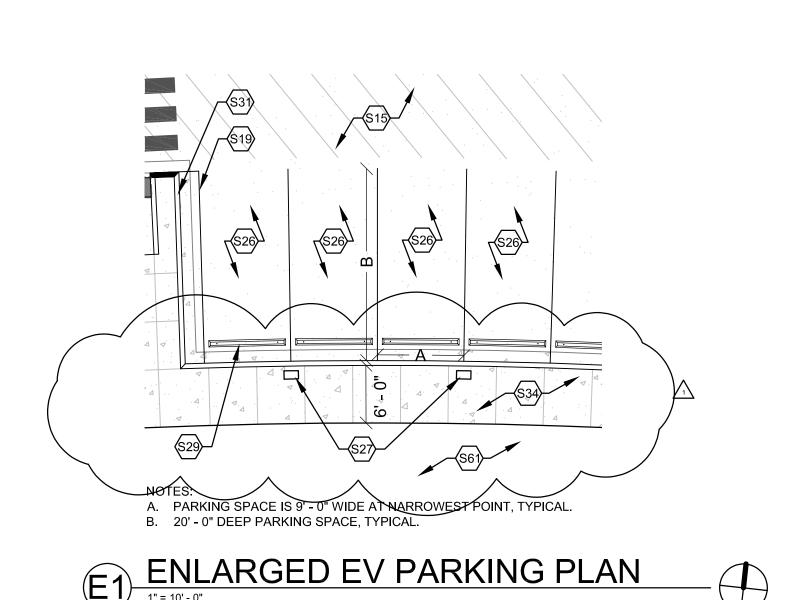


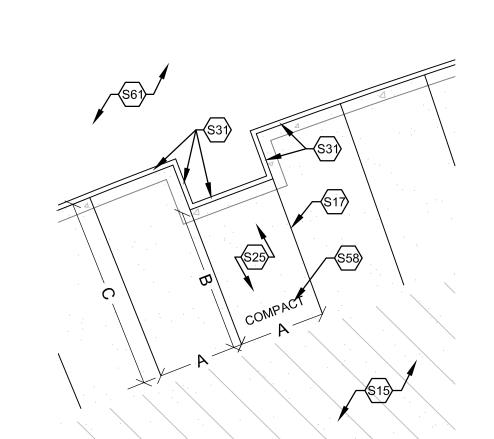






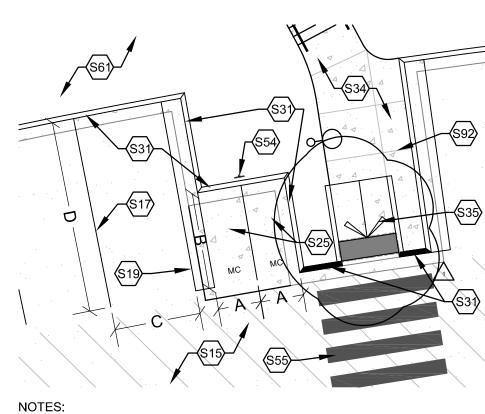






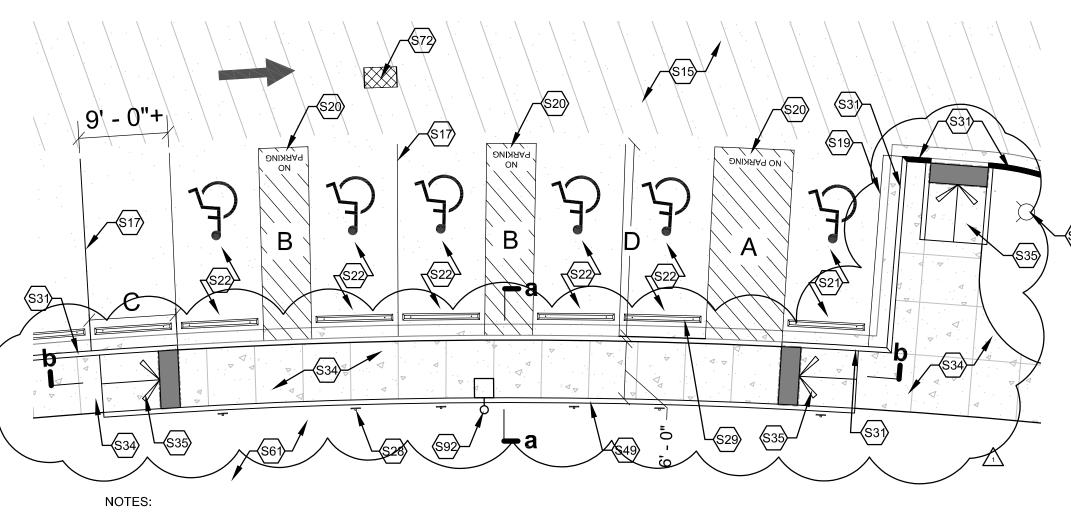
A. PARKING SPACE IS 9' - 0" WIDE AT NARROWEST POINT, TYPICAL. B. 15' - 0" DEEP COMPACT PARKING SPACE, TYPICAL. C. 20' - 0" DEEP PARKING SPACE, TYPICAL.

D1 ENLARGED COMPACT PARKING PLAN



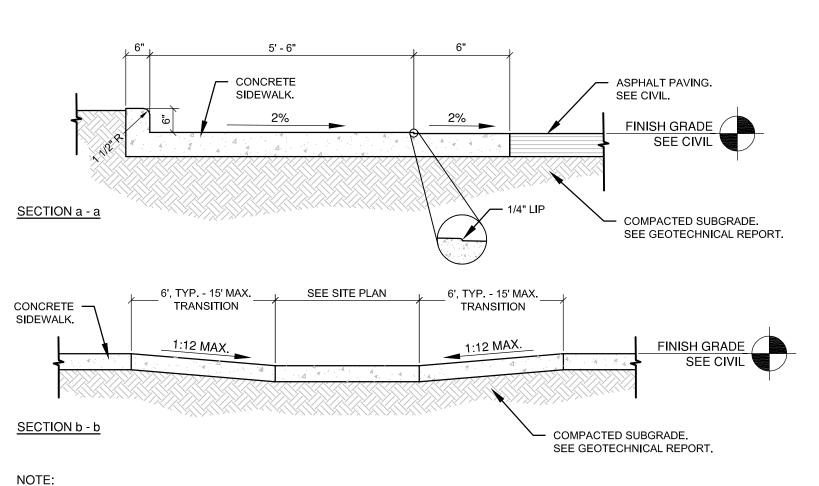
A. 4' - 6" WIDE MOTORCYCLE PARKING SPACE B. 10' - 0" DEEP MOTORCYCLE PARKING SPACE, TYPICAL. C. PARKING SPACE IS 9' - 0" WIDE AT NARROWEST POINT, TYPICAL. D. 20' - 0" DEEP PARKING SPACE, TYPICAL.

ENLARGED MOTORCYCLE PARKING PLAN



A. 8' - 0" x 20' - 0" VAN ACCESSIBILITY AISLE B. 5' - 0" x 20' - 0" ACCESSIBILITY AISLE C. PARKING SPACE IS 9' - 0" WIDE AT NARROWEST POINT, TYPICAL. D. 20' - 0" DEEP PARKING SPACE, TYPICAL. E. SECTIONS A-A & B-B, SEE A3/AS-103 (THIS SHEET)





1. AVOID PLACING DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS. 2. RAMP SLOPES SHALL NOT BE STEEPER THAN 2%. THE TRANSITIONS SHALL HAVE A MAXIMUM SLOPE OF 1:12. 3. DETECTABLE WARNINGS SHALL BE ARMOR-TILE TACTILE SYSTEMS, CAST-IN-PLACE SYSTEMS, BRICK RED OR APPROVED EQUAL. INSTALLATION SHALL BE DONE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

A3 ACCESSIBLE RAMP

#### **KEYED NOTES**

#### S15 ASPHALT PAVING, TYPICAL. S16 CONCRETE ISLAND. S17 PAINTED PARKING LOT 4" WIDE STRIPING, TYPICAL. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT, COLOR: WHITE. S18 PAINTED PARKING LOT 10' - 0" LENGTH ARROWS AND 30" HEIGHT LETTERING, TYPICAL. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT, COLOR: WHITE. S19 2' PAINTED BUFFER AT END OF PARKING AISLE, TYPICAL. ACCESSIBLE PAINTED ACCESS AISLE WITH BLUE DIAGONAL STRIPING AND CAPITALIZED WORDS "NO PARKING", LETTERING SHALL BE 12" HIGH AND 2" WIDE PLACED NEAREST THE DRIVING AISLE WHERE AN ADJACENT VEHICLE'S TIRES WOULD BE PLACED. ACCESSIBLE VAN PARKING SPACE WITH GROUND-MOUNTED SIGN. ACCESSIBLE PARKING SPACE WITH GROUND-MOUNTED SIGN. S23 ACCESSIBLE DROP-OFF. INSTALL TRUNCATED DOME TO DESIGNATE THRESHOLD BETWEEN CONCRETE SIDEWALK AND ASPHALT DRIVE, RECESS TO FLUSH WITH SURFACE OF CONCRETE SIDEWALK. SEE COA STD. DWG. 2446 FOR DETECTABLE WARNING DEVICE DETAILS. S24 COMPACT VEHICLE PARKING, TYPICAL. S25 MOTORCYCLE PARKING ON STANDARD-DUTY CONCRETE PAD WITH GROUND-MOUNTED SIGN. S26 (4) EV-READY SPACES. REQUIREMENTS. ACCESSIBILITY, TYPICAL, SIGN SHALL CONTAIN THE REQUIRED LANGUAGE "VIOLATORS ARE SUBJECT TO A FINE AND/OR TOWING" PER 66-7-352.4C

S27 FUTURE OWNER-PROVIDED EV STATIONS, SEE ELECTRICAL FOR | S28 | | 12" x 18" GROUND-MOUNTED ADA SIGN WITH INTERNATIONAL SYMBOL OF

NMSA 1978. S29 CONCRETE WHEELSTOP, TYPICAL WHERE GROUND-MOUNTED SIGNAGE AND EV CHARGING EQUIPMENT IS PRESENT, SEE SITE DETAILS. CONCRETE CURB & GUTTER SYSTEM, TYPICAL, SEE SITE DETAILS & CIVIL. MOUNTABLE CURB AT PARKING ROW ENDS, TYPICAL. SEE COA STD. DWG. 2415B FOR MOUNTABLE ROLL CURB AND GUTTER DETAIL.

S34 4" THICK STANDARD DUTY CONCRETE PAVEMENT WITH TURN DOWN EDGE AT ALL EXPOSED EDGES. S35 ACCESSIBLE CURB RAMP. SEE COA STD. DWG. 2443 FOR PARALLEL CURB RAMP DETAILS. INSTALL TRUNCATED DOME IN ALL ADA RAMPS, RECESS

TO FLUSH WITH SURFACE OF CONCRETE SIDEWALK. SEE COA STD. DWG. 2446 FOR DETECTABLE WARNING DEVICE DETAILS. S38 6" TRAFFIC-RATED BOLLARD.

CONCRETE HEADER CURB.

6" CONCRETE APRON 4,000 PSI 3/4" AGGREGATE WITH 6X6-10/10WWM OR EQUAL WITH 1/2" EXPANSION JOINT BETWEEN PAD AND APRON.

S52 | 6" MIN. CONCRETE SLAB 4,000 PSI 3/4" AGGREGATE WITH 6X6-10/10WWM OR EQUAL, SLOPE TO DRAIN 1/8" PER FOOT. S54 GROUND-MOUNTED MOTORCYCLE PARKING SIGN.

PAINTED ACCESS AISLE, 1' - 6" WIDE x 12' - 0" LONG STRIPING, 3' - 0" O.C., CENTER-ALIGNED TO CENTER OF ACCESSIBLE CURB RAMP, TYPICAL.

PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. COLOR: WHITE. S61 LANDSCAPING, SEE LANDSCAPE.

S71 BACKFLOW PREVENTER IN HEATED ENCLOSURE, SEE CIVIL.

FIRE HYDRANT, 3' - 0" MINIMUM FROM BACK OF CURB AND EDGE OF SIDEWALK. SEE CIVIL.

#### **GENERAL NOTES**

COMPACTION AT ALL CONCRETE WORK SHALL COMPLY WITH REQUIREMENTS ON CIVIL DRAWINGS AND GEOTECHNICAL REPORT.

A. A. SUB GRADE PREPARATION AND SOIL

- B. PROVIDE BROOM FINISH ON CONCRETE SIDEWALK, UNLESS NOTED OTHERWISE.
- C. VERIFY SIDEWALK LAYOUT WITH ARCHITECT PRIOR TO FORMING AND POURING CONCRETE. NO

EXCEPTIONS.

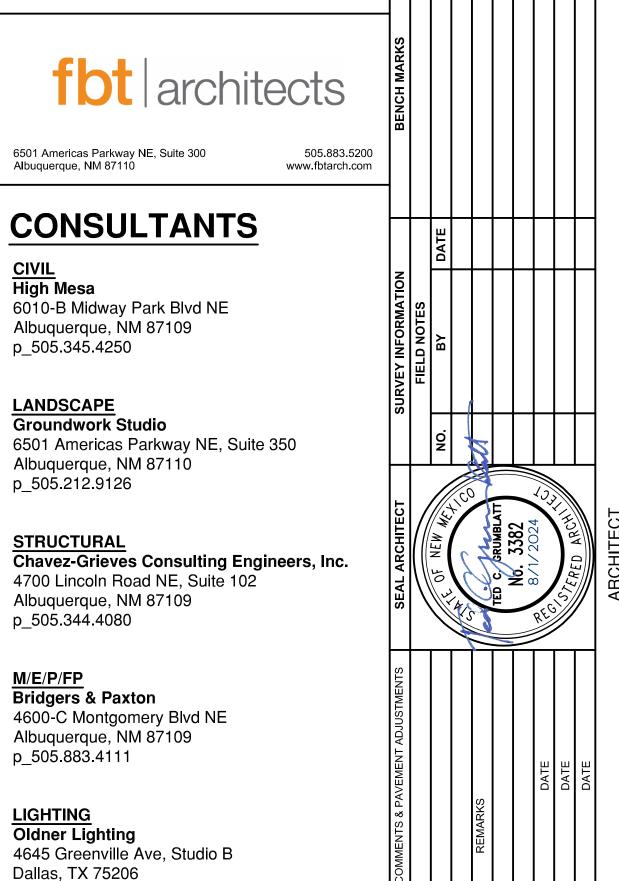
- D. FOR INFORMATION ON UTILITIES SEE SITE SURVEY SHEET, CIVIL UTILITY PLANS, MECHANICAL.
- PLUMBING AND ELECTRICAL DRAWINGS. E. CONTRACTOR SHALL PAY FOR AND COORDINATE

WITH LOCAL UTILITY COMPANIES FOR ALL UTILITY

- DISCONNECT, RECONNECT AND DEMO WORK. F. ALL SITE ELEMENTS INCLUDING BUT NOT LIMITED TO TREES, SHRUBS, GROUND COVER MATERIAL, ETC. THAT MUST BE REMOVED FROM THE SITE IN ORDER TO ACCOMPLISH NEW WORK SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH SITE FEATURES TO BE DEMOLISHED.
- G. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND PAYING FOR PERMIT FEES ASSOCIATED WITH ENVIRONMENTAL PROTECTION AGENCY AND REQUIREMENTS OF STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
- COORDINATE WITH ALL REGULATORY AUTHORITIES REGARDING THIS ITEM. H. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING SITE FEATURES, PLANTINGS, AND UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING SITE FEATURES, PLANTINGS, AND UTILITIES TO REMAIN DUE TO

CONSTRUCTION OPERATIONS SHALL BE REPAIRED

- AT NO ADDITIONAL COST TO THE OWNER. ALL DOWNSPOUT, LAMBSTOUNGUE, ETC. THAT ROUTE ROOF WATER TO GRADE SHALL BE DISCHARGED IN A CONCRETE RUN DOWN, TRENCH GRATE, OR SPLASH BLOCK. SEE CIVIL. FIELD COORDINATE LOCATION OF DISCHARGE POINTS PRIOR TO FORMING AND INSTALLING CONCRETE. . FURNISH AND INSTALL CURB MARKING PAINT (RED
- FIRE LANE OR YELLOW DROP OFF LANE) ENTIRE LENGTH OF CURB AT BUILDING SIDE OF DROP OFF. COORDINATE WITH FIRE MARSHALL FOR LOCATION OF FIRE LANE MARKINGS.
- K. WHERE NEW CONCRETE PAVEMENT AND/OR CURBING IS SHOWN ADJACENT TO EXISTING, CONTRACTOR SHALL PROVIDE NEW CONCRETE PAVEMENT AND/OR CURBING UP TO AND FLUSH WITH EXISTING. LIMITS SHOWN ARE APPROXIMATE.
- CONTRACTOR SHALL FIELD VERIFY. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS REGARDING NEW ASPHALT AND
- CONCRETE PAVEMENT. M. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LAYOUT OF BOTH THE SITE AND BUILDING ELEMENTS. COORDINATE FIELD INFORMATION WITH THE ARCHITECT PRIOR TO ANY CONSTRUCTION ACTIVITY.



CITY OF ALBUQUERQUE

#### COA CIBOLA LOOP MULTIGENERATIONAL CENTER

10751 Cibola Loop NW Albuquerque, NM 87114

p\_310.450.1733

INTERIORS Studio M

p 505.243.9287

PROJECT TITLE:

Albuquerque, NM 87110

**CONSTRUCTION DOCUMENTS** 

6501 Americas Parkway NE, Suite 302

JUNE 12, 2024 DRAWING TITLE:

ENLARGED PARKING PLANS

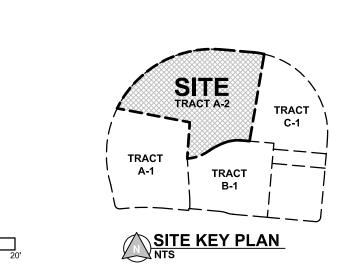
City Engineer Approval Design Review Committee 2024.04.30 City Project No. Zone Map No. Sheet AS-103 P7882.16 A-13-Z

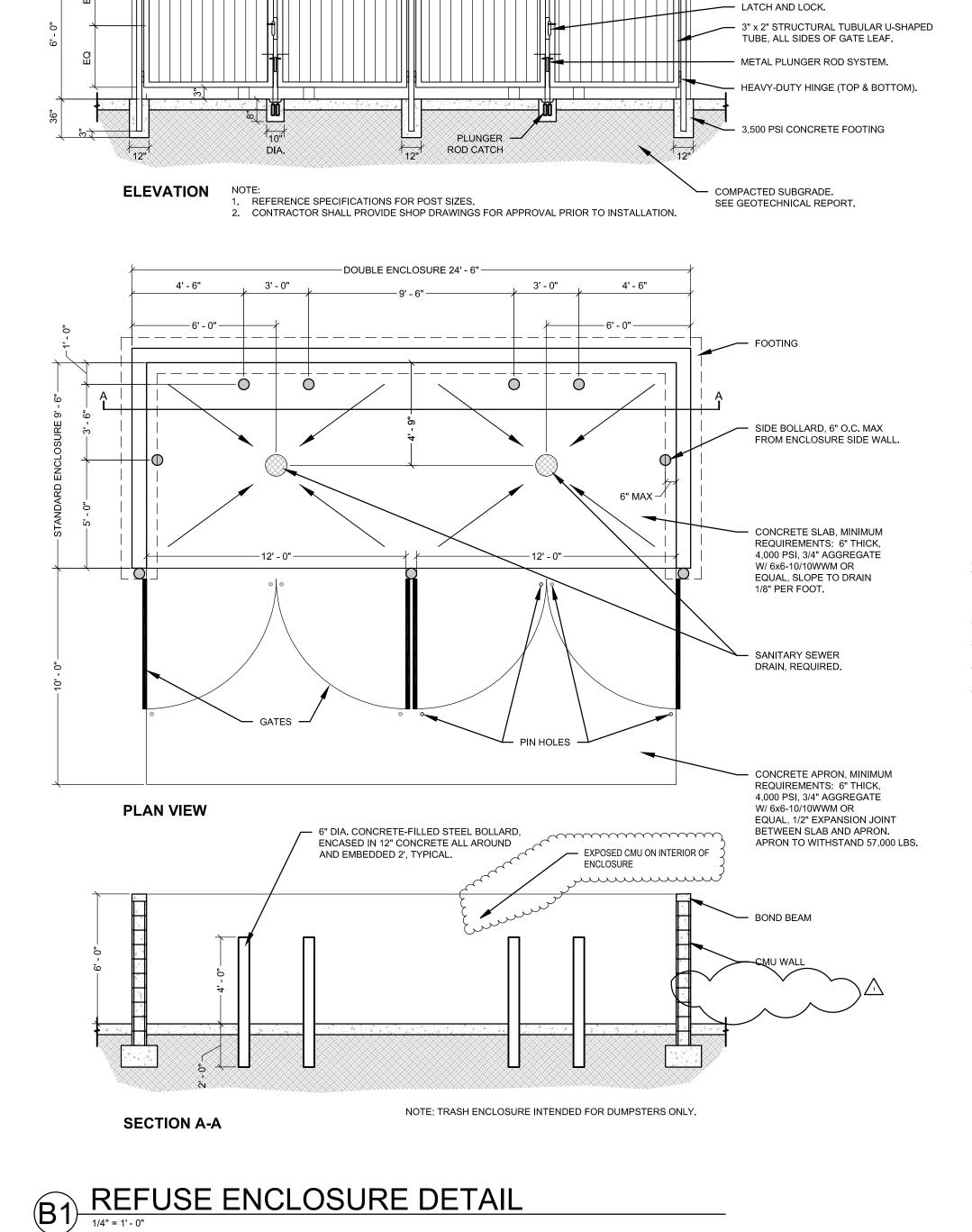
**DEVELOPMENT FACILITATION TEAM** 

PROJECT NUMBER: PR-2023-009382 APPLICATION NUMBER: SI-2024-00739

PROJECT NAME: City Multigenerational Center At 10751 Cibola Loop NW

0' 5' 10'





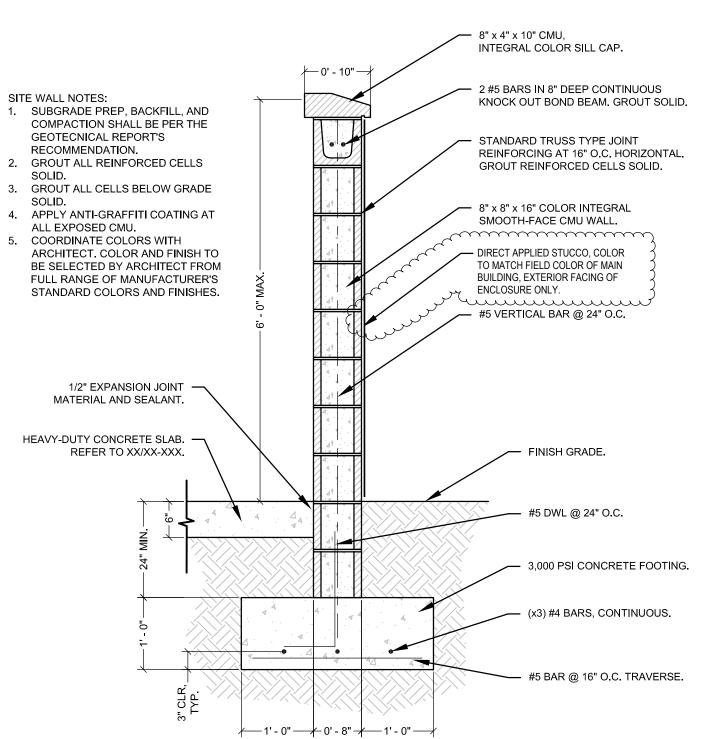
12' - 0" CLEAR

STEEL-TUBE POST WITH WELDED PLATE CAP.

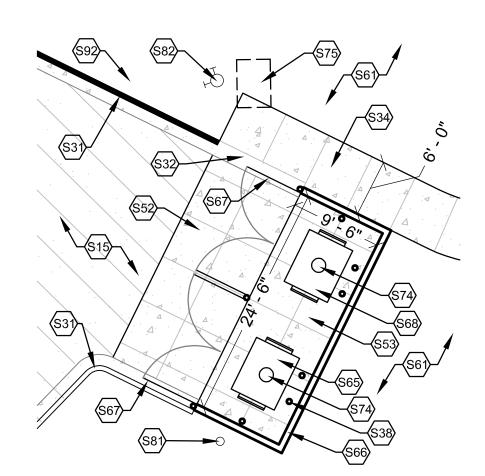
VERTICAL ALUMINUM PLANK INFILL,

COLOR SELECTED BY ARCHITECT.

12' - 0" CLEAR



B3 SITE MASONRY WALL



ENLARGED REFUSE ENCLOSURE PLAN

1"= 10'- 0"



#### **KEYED NOTES**

S15 ASPHALT PAVING, TYPICAL.
 S31 CONCRETE CURB & GUTTER SYSTEM, TYPICAL. SEE SITE DETAILS & CIVIL.
 S32 MOUNTABLE CURB AT PARKING ROW ENDS, TYPICAL. SEE COA STD. DWG.

2415B FOR MOUNTABLE ROLL CURB AND GUTTER DETAIL.

- S34 4" THICK STANDARD DUTY CONCRETE PAVEMENT WITH TURN DOWN EDGE AT ALL EXPOSED EDGES.

  S35 ACCESSIBLE CURB RAMP. SEE COA STD. DWG. 2443 FOR PARALLEL CURB RAMP DETAILS. INSTALL TRUNCATED DOME IN ALL ADA RAMPS, RECESS TO FLUSH WITH SURFACE OF CONCRETE SIDEWALK. SEE COA STD. DWG. 2446 FOR DETECTABLE WARNING DEVICE DETAILS.
- S38 6" TRAFFIC-RATED BOLLARD.

  S51 6" CONCRETE APRON 4 000 PSI 3/4" AGGREGATE WITH 6X6-
- 6" CONCRETE APRON 4,000 PSI 3/4" AGGREGATE WITH 6X6-10/10WWM OR EQUAL WITH 1/2" EXPANSION JOINT BETWEEN PAD AND APRON.
- 6" MIN. CONCRETE SLAB 4,000 PSI 3/4" AGGREGATE WITH 6X6-10/10WWM OR EQUAL, SLOPE TO DRAIN 1/8" PER FOOT.
- S61 LANDSCAPING, SEE LANDSCAPE.
  S65 REFUSE BIN BY OTHER, NIC.
- S66 REFUSE ENCLOSURE CMU WALL
- S67 REFUSE ENCLOSURE SWING GATE.
- S68 RECYCLING BIN BY OTHER, NIC.S71 BACKFLOW PREVENTER IN HEATED ENCLOSURE, SEE CIVIL.
- S72 DRAIN INLET, SEE CIVIL.
- S74 SANITARY DRAIN, SEE CIVIL.
- S81 POST-INDICATOR VALVE (PIV), SEE CIVIL.

  S82 REMOTE FDC WITH GROUND-MOUNTED SIGN, SEE CIVIL.
- S92 SITE LIGHTING, SEE LIGHTING.

**GENERAL NOTES** 

- A. A. SUB GRADE PREPARATION AND SOIL
  COMPACTION AT ALL CONCRETE WORK SHALL
  COMPLY WITH REQUIREMENTS ON CIVIL DRAWINGS
- AND GEOTECHNICAL REPORT.

  B. PROVIDE BROOM FINISH ON CONCRETE SIDEWALK,
- UNLESS NOTED OTHERWISE.
  C. VERIFY SIDEWALK LAYOUT WITH ARCHITECT PRIOR
  TO FORMING AND POURING CONCRETE. NO
- EXCEPTIONS.

  D. FOR INFORMATION ON UTILITIES SEE SITE SURVEY SHEET, CIVIL UTILITY PLANS, MECHANICAL,
- PLUMBING AND ELECTRICAL DRAWINGS.

  E. CONTRACTOR SHALL PAY FOR AND COORDINATE WITH LOCAL UTILITY COMPANIES FOR ALL UTILITY DISCONNECT, RECONNECT AND DEMO WORK.
- F. ALL SITE ELEMENTS INCLUDING BUT NOT LIMITED TO TREES, SHRUBS, GROUND COVER MATERIAL, ETC. THAT MUST BE REMOVED FROM THE SITE IN ORDER TO ACCOMPLISH NEW WORK SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH SITE FEATURES TO BE DEMOLISHED.
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- COORDINATE WITH ALL REGULATORY AUTHORITIES REGARDING THIS ITEM.

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- CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

  I. ALL DOWNSPOUT, LAMBSTOUNGUE, ETC. THAT ROUTE ROOF WATER TO GRADE SHALL BE DISCHARGED IN A CONCRETE RUN DOWN, TRENCH GRATE, OR SPLASH BLOCK. SEE CIVIL. FIELD COORDINATE LOCATION OF DISCHARGE POINTS
- PRIOR TO FORMING AND INSTALLING CONCRETE.

  J. FURNISH AND INSTALL CURB MARKING PAINT (RED FIRE LANE OR YELLOW DROP OFF LANE) ENTIRE LENGTH OF CURB AT BUILDING SIDE OF DROP OFF. COORDINATE WITH FIRE MARSHALL FOR LOCATION
- OF FIRE LANE MARKINGS.

  K. WHERE NEW CONCRETE PAVEMENT AND/OR
  CURBING IS SHOWN ADJACENT TO EXISTING,
  CONTRACTOR SHALL PROVIDE NEW CONCRETE
  PAVEMENT AND/OR CURBING UP TO AND FLUSH
  WITH EXISTING. LIMITS SHOWN ARE APPROXIMATE.
  CONTRACTOR SHALL FIELD VERIFY.
- L. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS REGARDING NEW ASPHALT AND CONCRETE PAVEMENT.
- M. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS
  AND LAYOUT OF BOTH THE SITE AND BUILDING
  ELEMENTS. COORDINATE FIELD INFORMATION WITH
  THE ARCHITECT PRIOR TO ANY CONSTRUCTION
  ACTIVITY.



6501 Americas Parkway NE, Suite 300 Albuquerque, NM 87110 505.883.5200 www.fbtarch.com

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Albuquerque, NM 87109
p\_505.345.4250

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6501 Americas Parkway NE, Suite 350
Albuquerque, NM 87110

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p\_505.344.4080

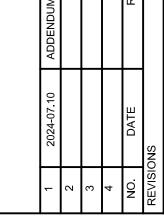
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CITY OF ALBUQUERQUE

# COA CIBOLA LOOP MULTIGENERATIONAL CENTER

10751 Cibola Loop NW Albuquerque, NM 87114

PROJECT TITLE:

DRAWING TITLE:

CONSTRUCTION DOCUMENTS

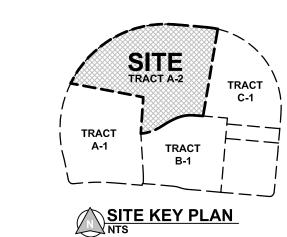
JUNE 12, 2024

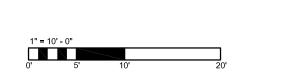
SHEET TITLE:
REFUSE/SOLID WASTE

**DEVELOPMENT FACILITATION TEAM** 

PROJECT NUMBER: PR-2023-009382
APPLICATION NUMBER: SI-2024-00739

PROJECT NAME: City Multigenerational Center At 10751 Cibola Loop NW





#### DRAINAGE CALCULATIONS

#### SITE CHARACTERISTICS A. PRECIPITATION ZONE =

2.17  $P_{100 6 HR} = P_{360} =$ OTAL PROJECT AREA  $(A_T) = \vdash$ 

D. LAN	ND TREATMENTS	•	•					
1.		NG LAND TREATMEN	NT .		PROPOSED	LAND TREATMEN	IT	
	DACIN 4	398,234	SF		DUACE 4	398,234	SF	
	BASIN 1	9.14	AC		PHASE 1	9.14	AC	
	LAND TREATMENT	AREA (SF/	AC)	%	LAND TREATMENT	AREA (SF/A	(C)	%
	A	349,155	SF	88%	Α			
	^	8.02	AC	00 70	ζ			
	В				В			
	Б				נ			
	С	49,079		12%	С	338,092		85%
	<u> </u>	1.13	AC	1270	O	7.76	AC	0570
	D				D	60,142		15%
	D .				ט	1.38	AC	1370

		7	
PROPOSED	LAND TREATMEN		
PHASE 1 + 2	398,234		
FHASE I + 2	9.14	AC	
LAND TREATMENT	AREA (SF/A	(C)	%
A			
В			
С	262,092		66%
L	6.02		30 70
D	136,142		34%
	3.13	AC	5470

15.6 CFS

28.0 CFS

30.1 CFS

#### A. EXISTING CONDITION 100 YEAR STORM

DASINI			
a. VOLUME 100-YR, 6-HR			
$WT_E = (E_A \cdot A_A + E_B \cdot A_B + E_C \cdot A_C + E_B \cdot A_C + E_C \cdot A_$	<sub>D</sub> • A <sub>D</sub> )/A <sub>T</sub>		
$\Rightarrow$ (0.55 • 8.02) + (0.73 • 0.00)	+ (0.95 • 1.13) + (2.24 • 0.00)/9	9.14 =	0.60 IN
$V_{100,6 HR} = (E_W/12) \cdot A_T$	⇒ (0.60/12) • 9.14 =	0.4571 AC-FT =	19,910 CF
b. PEAK DISCHARGE 100-YR			
B. I LAN DIOUTANOL 100-11			
$Q_{100} = Q_A \cdot A_A + Q_B \cdot A_B + Q_C \cdot A_C + Q_C + $	<b>Q</b> <sub>D</sub> • <b>A</b> <sub>D</sub>		

#### $\Rightarrow$ (1.54 • 8.02) + (2.16 • 0.00) + (2.87 • 1.13) + (4.12 • 0.00) = B. PROPOSED CONDITION 100 YEAR STORM - PHASE 1 1 BASIN 1 VOLUME 100 VD 6 HD

	= . ^ \/^		
$WT_{E} = (E_{A} \cdot A_{A} + E_{B} \cdot A_{B} + E_{C} \cdot A_{C} + E_$	=D • AD)/AT + (0.95 • 7.76) + (2.24 • 1.38)/9	9.14 =	1.14 IN
$V_{100,6 \text{ HR}} = (E_W/12) \cdot A_T$	⇒ (1.14/12) • 9.14 =	0.8685 AC-FT =	37,830 CF

#### $V_{10Days} = V_{360} + A_D * (P_{10DAYS} - P_{360}) / 12 in/ft =$ $\rightarrow$ 0.8685 + 1.38 \* (3.900 -2.170) / 12 in/ft =

⇒0.0005 + 1.30	(3.900 -2.170) / 12 11/11 =	1.0674	AC-FT -	46,500 CF
C. PEAK DISCHARGE 100-YR $Q_{100} = Q_{\Delta} \cdot A_{\Delta} + Q_{B} \cdot A_{B} + Q_{C} \cdot A_{C}$	A - + O - • A -			

#### $\Rightarrow$ (1.54 • 0.00) + (2.16 • 0.00) + (2.87 • 7.76) + (4.12 • 1.38) = C. PROPOSED CONDITION 100 YEAR STORM - FULL BUILD OUT

<u>A. VOLUME 100-YR, 6-HR</u>			
$WT_E = (E_A \cdot A_A + E_B \cdot A_B + E_C \cdot A_C +$	$E_D \cdot A_D / A_T$		
$\Rightarrow (0.55 \cdot 0.00) + (0.73 \cdot 0.00)$	0) + (0.95 • 6.02) + (2.24 • 3.13)/9	.14 =	1.39 IN
$V_{100,6 HR} = (E_W/12) \cdot A_T$	⇒ (1.39/12) • 9.14 =	1.0590 AC-FT =	46,130 CF

#### B. VOLUME 100-YR, 10-DAY

$V_{10Days} = V_{360} + A_D * (P_{10DAYS} - P_{360}) / 12 in/ft =$ $\Rightarrow 1.059 + 3.13 * (3.900 - 2.170) / 12 in/ft =$	1.5101	AC-FT =	65,780 CF
C. PEAK DISCHARGE 100-YR $Q_{100} = Q_A \cdot A_A + Q_B \cdot A_B + Q_C \cdot A_C + Q_D \cdot A_D$			

 $\Rightarrow$  (1.54 • 0.00) + (2.16 • 0.00) + (2.87 • 6.02) + (4.12 • 3.13) =

#### D. COMPARISON 100 YEAR STORM - FULL BUILD OUT

#### a. VOLUME 100-YR, 6-HR

ΔV <sub>100, 6 HR</sub> = 46130 - 19910 =	26,220 CF	(INCREASE
b. PEAK DISCHARGE 100-YR		=
$\Delta Q_{400} = 30.1 - 15.6 =$	14.5 CFS	(INCREASE

#### E. RETENTION POND VOLUME CALCULATIONS

Elevation	Area (SF)	Volume (CF)	Sum (CF)
5,089	8250		
		9740	9740
5,090	11,230		
		12690	22430
5,091	14,150		
		15820	38250
5,092	17,490		
		19180	57430
5,093	20,870		
		22640	80070
5,094	24,410		
·	·		·

#### F. CIBOLA LOOP STREET ANALYSIS

CIBOLA LOOP WEST BASIN = 1.6 AC: CONSERVATIELY ASSUME 100% TREATMENT D. Q<sub>100</sub> = 1.6 \* 4.12 CFS/ACRE = 6.7 CFS MAX 100-YEAR STREET FLOW IS 11.6 + 3.2 + 20.6 + 6.7 = 42.1 CFS

#### CIBOLA LOOP EAST BASIN = 1.7 AC: CONSERVATIELY ASSUME 100% TREATMENT D.

Q100 = 1.7 \* 4.12 CFS/ACRE = 7.0 CFS

+ 6. MAX 100-YEAR STREET FLOW IS 8.5 CFS FROM NORTH SUB-BASIN + 7.0 = 13.5 CFS (CAN BE CONTAINED WITHIN EXISTING TEMPORARY SECTION)

(CAN BE CONTAINED WITHIN EXISTING TEMPORARY SECTION)

#### DRAINAGE PLAN

V. DEVELOPED CONDITIONS

HYDROLOGY SECTION

PRELIMINARY APPROVED

A13D025

THESE PLANS AND/OR REPORT ARE BE NEEDED IN THEM AND SUBMITTED TO

#### INTRODUCTION AND EXECUTIVE SUMMARY

THIS SITE IS LOCATED IN NORTHWEST ALBUQUERQUE. NORTH OF ELLISON DRIVE NW. THIS CONCEPTUAL DRAINAGE AND ROUGH GRADING PLAN HAS BEEN PREPARED TO SUPPORT DFT SITE PLAN AND ROUGH GRADING APPROVALS FOR THE FIRST PHASE OF SITE WORK AND BUILDING CONSTRUCTION FOR THE PROPOSED CITY OF ALBUQUERQUE MULTI-GENERATIONAL CENTER. THERE WILL BE A FORTHCOMING GRADING AND DRAINAGE PLAN SUBMITTAL FOR BUILDING PERMIT APPROVAL.

II. PROJECT DESCRIPTION THE EXISTING LEGAL DESCRIPTION IS TRACT A-2, CIBOLA LOOP SUBDIVISION, FILED 2/14/2017 (2017C-17, DOC. # 2017013734). THE SITE IS ZONED MX-L. THE SITE IS CURRENTLY UNDEVELOPED. AS INDICATED BY PANEL 108 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, REVISED 09/26/2008, THE SITE NOT ENCUMBERED BY, NOR DOES IT DIRECTLY DISCHARGE TO ANY MAPPED FLOOD HAZARD ZONES.

III. BACKGROUND DOCUMENTS & RESEARCH THE PREPARATION OF THIS PLAN RELIED UPON REVIEW OF CITY OF HYDROLOGY FILES A13-D011, A13-D012, A13-D011B, A13-D003, AND A-13D004 THAT ALL FRONT CIBOLA LOOP NW AS WELL AS THE RECORD INFRASTRUCTURE PLANS FOR CPNS 6069.81, 5752.81, AND 3727.90 AS DESCRIBED BY THE FOLLOWING: 1. CONCEPTUAL DRAINAGE PLANS FOR CIBOLA LOOP SUBDIVISION DATED 4/02/2008 AND 9/09/2016 BY MARK GOODWIN & ASSOCIATES (A13-D011). THESE PLANS ESTABLISHED THE OVERALL DRAINAGE CONCEPT AND SUPPORTED SITE PLAN FOR SUBDIVISION AND BULK LAND PLATTING FOR A-1 THROUGH A-4. PURSUANT TO THESE PLANS THE OVERALL SUBDIVISION SITE IS DIVED INTO TWO SUB-BASINS (NORTH AND SOUTH)

THAT HAVE DISCHARGE RESTRICTIONS OF 0.65 CFS/ACRE WITH THE NORTH BASIN DISCHARGING TO CIBOLA LOOP NORTHWEST AND THE SOUTH BASIN DISCHARGING TO A PUBLIC DETENTION/SURGE POND LOCATED ON 2. MASTER DRAINAGE REPORT FOR TRES PLACITAS DATED 12/31/1998 BY ISAACSON & ARFMAN (A13-D012). THIS REPORT ADDRESSED AND SUPPORTED THE GRADING AND DRAINAGE, PLATTING, AND STREET AND DRAINAGE INFRASTRUCTURE FOR THE TRES PLACITAS SUBDIVISION ON THE WEST SIDE OF CIBOLA LOOP. A PORTION OF CIBOLA LOOP NW AND THE DOWNSTREAM DRAINAGE INFRASTRUCTURE ON CIBOLA LOOP (WEST)

WAS CONSTRUCTED PURSUANT TO THIS PLAN WITH CPN 6069.81 3. CONCEPTUAL DRAINAGE PLAN FOR TRACT B-1, CIBOLA LOOP SUBDIVISION DATED 2/28/2023 BY ISAACSON & ARFMAN (A13-D011B). THIS PLAN FOR TRACT B-1 WAS APPROVED FOR PRELIMINARY/FINAL PLAT AND PRESENTS AND CONFORMS TO AND REINFORCES THE SAME ESTABLISHED CONCEPTS, ALLOWABLE DISCHARGES, AND BASINS FROM A13-D011 AND A13-D012. 4. GRADING PLAN AND DRAINAGE REPORT FOR VISTA DEL PARQUE SUBDIVISION DATED 8/07/1997 BY BOHANNAN-HUSTON (A13-D002). THIS REPORT ADDRESSED AND SUPPORTED THE GRADING AND DRAINAGE, PLATTING, AND STREET AND DRAINAGE INFRASTRUCTURE FOR THE VISTA DEL PARQUE SUBDIVISION ON THE NORTH SIDE OF CIBOLA LOOP. A PORTION OF CIBOLA LOOP NW AND THE DOWNSTREAM DRAINAGE

INFRASTRUCTURE ON CIBOLA LOOP (EAST) WAS CONSTRUCTED PURSUANT TO THIS PLAN WITH CPN 5752.81. 5. GRADING PLAN FOR SEVEN BAR APARTMENTS DATED 2/07/1996 BY BURY+PITTMAN (A13/D003) AND GRADING PLAN FOR CORRALES POINTE APARTMENTS, NMPE 7322, DATED 12/17/1985 (A13/D003A). THESE GRADING PLANS WERE FOR THE CONSTRUCTION OF APARTMENT COMPLEXES ON THE NORTHEAST AND WEST SIDES OF CIBOLA LOOP (WEST). AS SHOWN BY BOTH PLANS, THEY DRAIN TO THE WEST AND NOT TO CIBOLA LOOP.

6. DESIGN PLANS FOR ELLISON DRIVE PREPARED BY BOHANNAN-HUSTON FOR THE CITY OF ALBUQUERQUE, AS-BUILTS DATED 2/17/1997 (CPN 3727.90). THESE PLANS CONSTRUCTED STORM DRAINAGE IMPROVEMENTS

IN ELLISON DRIVE THAT INCLUDE THE OUTFALL FROM, AND A 24" STORM DRAIN EXTENSION UP CIBOLA LOOP (EAST) ALONG WITH 4 STORM INLETS IN CIBOLA LOOP (EAST). THE SITE IS CURRENTLY UNDEVELOPED. TRACT A-2 GENERALLY SLOPES FROM NORTHWEST TO THE SOUTH AND SOUTHEAST ONTO TRACTS A-1 AND A-3 AT APPROXIMATELY 3%, BOTH ALSO OWNED BY THE CITY AND PURSUANT TO THE EXISTING CROSS-LOT AND RECIPROCAL DRAINAGE EASEMENT CREATED BY PREVIOUS PLATTING. THERE IS A STEEP (25%) SLOPE AT THE NORTHERN EDGE OF THE SITE UP TO CIBOLA LOOP NW. CIBOLA LOOP NW IS A 60 FT RIGHT-OF-WAY THAT HAS STANDARD CURB AND GUTTER, SIDEWALK, AND A HALF-WIDTH OF PERMANENT PAVEMENT ON THE OUTSIDE (OPPOSITE SIDE FROM TRACT A-2) SIDE OF THE

STREET. THE NEAR SIDE DOES NOT HAVE FULL WIDTH PAVING, CURB AND GUTTER, OR A SIDEWALK. THE NEAR SIDE DOES HAVE AN EXTRUDED CURB ON THE EDGE OF THE TEMPORARY PAVEMENT ON THE TRACT A-2 THERE IS A HIGH POINT IN CIBOLA LOP NW LOCATED ON THE NORTHERMOST POINT NEAR LUNA PARK STREET NW, AND STREET RUNOFF FLOWS EAST AND WEST FROM THIS POINT. AS SHOWN BY THE CALCULATIONS FROM THE 1998 AND 2023 ISAACSON & ARFMAN PLANS AND REPORTS (REFERENCES 2 AND 3), OFFSITE FLOWS IN THE AMOUNTS OF 11.6 CFS, 3.2 CFS, AND 20.6 CFS DRAIN TO CIBOLA LOOP (WEST) FROM THE UNDEVELOPED ARE AT THE NORTHWEST, THE PARK, AND A PORTION OF THE TRES PLACITAS SUBDIVISION AT CUBA ROAD NW. THESE FLOWS, PLUS RUNOFF FROM THE CIBOLA LOOP ROW CONSERVATIVELY CALCULATED TO

BE 6.7 CFS BASED UPON THE FULL WIDTH OF 60 FEET BEING LAND TREATMENT D COMBINE TO A PEAK 100-YEAR CUMULATIVE FLOW OF 42.1 CFS THAT DRAINS TO THE SOUTH TO A SAG CONDITION JUST SOUTH OF

MILL ROAD NW WHERE THERE ARE TWO TYPE "A" DOUBLE WING INLETS THAT HAVE A COMBINED INLET CAPACITY OF 69 CFS PER REFERENCE 2, (AP-20). AS SHOWN BY THE STREET SECTION HYDRAULICS HEREON, THIS RUNOFF CAN BE CARRIED WITHIN THE EXISTING PARTIAL STREET SECTION AT THE WORST CASE (DOWNSTREAM AND FLATTEST) LOCATION. THE VISTA DEL PARQUE SUBDIVISION NEAR THE HIGH POINT AT THE NORTHERNMOST POINT IN CIBOLA LOOP DRAINS TO AN INTERNAL STORM DRAIN SYSTEM AND DOES NOT INTRODUCE STREET FLOW. AS SHOWN BY THE GRADING AND DRAINAGE PLAN AND REPORT, AND BY THE INFRASTRUCTURE PLANS (REFERENCE 4 AND CPN 5752.81) THE SUBDIVISION DRAINS TO AN EXISTING DETENTION POINT THAT HAS CONTROLLED OUTFALL TO A 24" STORM DRAIN IN CIBOLA LOOP (EAST) THAT DRAINS SOUTH TOWARDS ELLISON AND CONNECTS TO THE 24" STUB THAT WAS EXTENDED BY CPN 3727.90, REFERENCE 6 WHERE THERE ARE A SINGLE GRATE AND A DOUBLE GRATE INLET ON EACH SIDE (4 TOTAL STRUCTURES / 6 GRATES) PRIOR TO THE ELLISON INTERSECTION. THE SEVEN BAR AND CORRALES POINTE APARTMENTS ON THE NORTHEAST AND EAST SIDE OF CIBOLA LOOP (EAST) DRAIN TO THE WEST AND DO NOT DRAIN TO CIBOLA LOOP. AS SUCH, THE TOTAL FLOW IN CIBOLA LOOP AT THE WORST-CASE LOCATION (JUST UPSTREAM OF THE INLETS AND AT THE SOUTHEAST CORNER OF TRACT A-3 WILL BE THE ALLOWABLE DISCHARGE FROM THE NORTH SUB-BASIN (8.5 CFS) AND THE CIBOLA LOOP (EAST) ROW CONSERVATIVELY ESTIMATED AS BEING 7.0 CFS ASSUMING LAND TREATMENT D FOR THE 60 FT WIDTH FOR A TOTAL OF 13.5 CFS. AS DEMONSTRATED FOR THE WEST SIDE, THE EXISTING HALF SECTION OF STREET CAN CARRY IN EXCESS OF 40 CFS BELOW CURB HEIGHT.

THE PROPOSED OF CONSTRUCTION WILL BE THE FIRST PHASE OF THE CITY MULTI-GENERATION CENTER WITH ASSOCIATED PAVED PARKING AND CIRCULATION, AND SITE LANDSCAPING IMPROVEMENTS. FUTURE PHASES WILL EXPAND UPON THE BUILDING AND SITE WORK, INCLUDING ADDITIONAL PARKING AREAS. THE PAVED AREAS AND BUILDING ROOF DRAINS WILL DRAIN TO AN INTERNAL STORM DRAIN SYSTEM THAT WILL DRAIN TO A NEW TEMPORARY RETENTION POND THAT IS SIZED TO HOLD IN EXCESS OF THE 100-YEAR, 10-DAY RUNOFF FROM THE FUTURE FULLY DEVELOPED CONDITION. UPON DEVELOPMENT OF TRACT A-3 AND A DOWNSTREAM RECEIVING SYSTEM, THIS POND MAY BE REDUCED IN SIZE AND CONVERTED TO A DETENTION POND THAT LIMITS DISCHARGE TO THE ALLOWABLE RATE OF 0.65 CFS PER ACRE PER REFERENCE 1 IN CONJUNCTION WITH THIS PROJECT. THE OUTSTANDING FULL WIDTH PERMANENT STREET PAVING. CURB AND GUTTER, AND SIDEWALK WILL ALSO BE CONSTRUCTED ON THE NEAR SIDE OF CIBOLA LOOP ACROSS THE PROJECT FRONTAGE. AS DEMONSTRATED BY THE EXISTING PRECEDING EXISTING CONDITIONS NARRATIVE, THE EXISTING PARTIAL SECTIONS OF CIBOLA LOOP ON THE WEST AND EAST SIDES FRONTING TRACTS A-1 AND A-3, RESPECTIVELY, HAVE ADEQUATE STREET AND DOWNSTREAM INFRASTRUCTURE CAPACITY TO CARRY THE RUNOFF GENERATED BY THE EXISTING AND ADDED PAVEMENT WIDTHS. AS SUCH, PERMANENT IMPROVEMENTS SUCH AS STREET WIDENING, STORM DRAIN EXTENSIONS. OR ADDITIONAL INLETS ARE NOT NECESSARY NOR PROPOSED BY THIS PROJECT. TRANSITIONS WITH CURB AND GUTTER WILL BE CONSTRUCTED AT THE TWO DOWNSTREAM ENDS (WEST AND EAST) TO TRANSITION FROM THE SITE FRONTAGE FULL IMPROVEMENTS TO THE DOWNSTREAM HALF-SECTION IMPROVEMENTS.

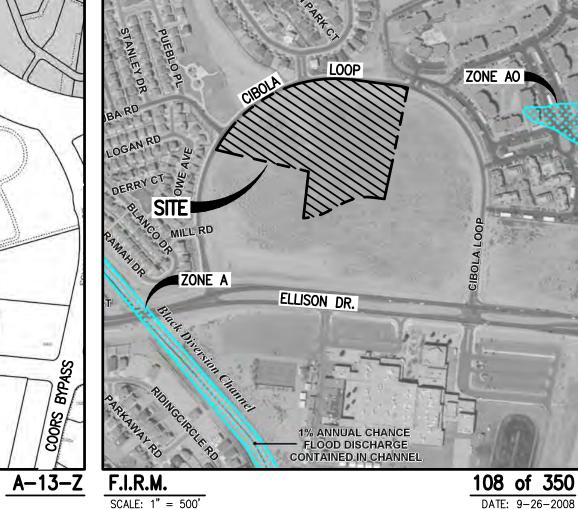
VI. CALCULATIONS CALCULATIONS ANALYZING THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100 YEAR, 6-HOUR AND 100-YEAR, 10-DAY RAINFALL EVENTS HAVE BEEN PREPARED FOR THE FULLY DEVELOPED CONDITION. THE DPM PROCEDURE FOR 40 ACRE AND SMALLER BASINS, AS SET FORTH IN DPM 6-2(A) HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED. 100% OF THE SITE RUNOFF WILL DRAIN TO A TEMPORARY RETENTION POND, SO STORMWATER QUALITY CALCULATIONS WERE NOT PERFORMED. CIBOLA LOOP HYDRAULIC CAPACITY CALCULATIONS WERE PERFORMED USING CIVIL3D HYDRAFLOW EXPRESS WITH

VII. SUMMARY AND CONCLUSIONS 1. AS A PRIORITY CITY PROJECT, THE PROPOSED CONSTRUCTION WILL BEGIN WITH ROUGH GRADING IN ADVANCE OF BUILDING PERMIT APPROVAL. A SUBSEQUENT SUBMITTAL WILL BE MADE FOR BUILDING PERMIT

2. THIS PLAN IS SUBMITTED TO SUPPORT DFT SITE PLAN AND ROUGH GRADING APPROVALS, AND TO ALSO SUPPORT A FUTURE WORK ORDER THAT WILL WIDEN THE STREET FRONTAGE.

3.THIS PROJECT WILL CONSTRUCT A TEMPORARY RETENTION POND SIZED TO HOLD IN EXCESS OF THE FULLY DEVELOPED 100—YEAR, 10—DAY STORM 4. UPON DEVELOPMENT OF TRACT A-3 AND A RECEIVING SYSTEM, THE TEMPORARY RETENTION POND WILL BE ABLE TO BE CONVERTED TO DETENTION TO THE ALLOWABLE RATE OF 0.65 CFS PER ACRE 5. THIS PROJECT GRADING AND DRAINAGE SCHEME CONFIRMS TO ALL PREVIOUSLY APPROVED AND ESTABLISHED GRADING AND DRAINAGE PLANS, REPORTS, AND INFRASTRUCTURE PLANS APPLICABLE TO THE SITE.





PROJECT BENCHMARK #202 (P.B.M.)

A #5 REBAR W/CAP STAMPED "HMCG CONTROL NMPS 11184". SET IN DIRT NEAR THE SOUTHWEST CORNER OF THE PROJECT SITE, APPROXIMATELY 136' EAST OF THE STORM DRAIN INLET ON THE EAST SIDE OF WEST CIBOLA LOOP NW AND 233' NORTH OF THE BACK OF CURB ON THE NORTH SIDE OF ELLISON DR NW, AS SHOWN ON SHEET VF-105

MODIFIED GROUND COORDINATES: NORTHING = 1,530,887.18 FEET EASTING = 1,516,155.43 FEET ELEVATION = 5090.57 FEET (NAVD 1988)

#### TEMPORARY BENCHMARK #203 (T.B.M.)

A #5 REBAR W/CAP STAMPED "HMCG CONTROL NMPS 11184", SET IN DIRT NEAR THE SOUTHWEST CORNER OF THE PROJECT SITE, APPROXIMATELY 200' EAST OF THE STORM DRAIN INLET ON THE EAST SIDE OF WEST CIBOLA LOOP NW AND 200' NORTH OF THE BACK OF CURB ON THE NORTH SIDE OF ELLISON DR NW, AS SHOWN ON SHEET VF-105

MODIFIED GROUND COORDINATES: NORTHING = 1,530,854.64 FEET EASTING = 1,516,222.95 FEET

ELEVATION = 5089.64 FEET (NAVD 1988)

#### TEMPORARY BENCHMARK #204 (T.B.M.) A #5 REBAR WITH CAP STAMPED "HMCG CONTROL NMPS 11184", SET IN DIRT NEAR THE NORTH END OF THE PROJECT SITE, APPROXIMATELY 349' SOUTH OF THE BACK OF CURB ON THE SOUTH SIDE OF WEST CIBOLA LOOP NW AND 47' WEST OF A DIRT ROAD RUNNING DOWN THE CENTER OF THE PROJECT SITE, AS SHOWN ON SHEET VF-104

NORTHING = 1,531,357.44 FEET EASTING = 1,516,704.85 FEET ELEVATION = 5102.33 FEET (NAVD 1988)

MODIFIED GROUND COORDINATES:

#### TEMPORARY BENCHMARK #206 (T.B.M.)

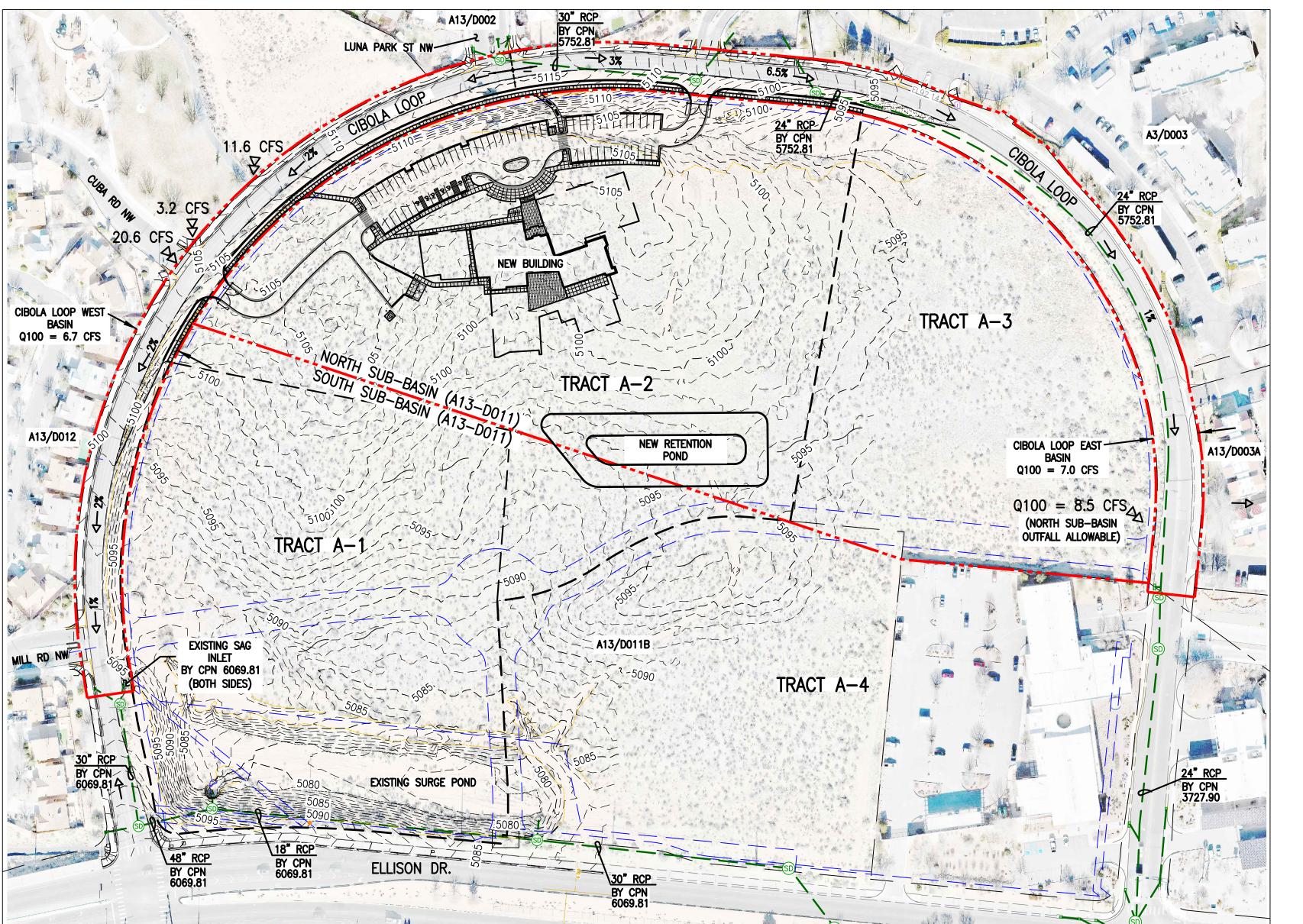
A #5 REBAR W/CAP STAMPED "HMCG CONTROL NMPS 11184", SET IN DIRT NEAR THE SOUTHEAST CORNER OF THE PROJECT SITE, APPROXIMATELY 66' EAST OF A DIRT ROAD RUNNING DOWN THE CENTER OF THE PROJECT SITE AND 170' NORTH OF THE BACK OF CURB ON THE NORTH SIDE OF ELLISON DR NW, AS SHOWN ON SHEET VF-105

MODIFIED GROUND COORDINATES: NORTHING = 1,530,781.43 FEET EASTING = 1,516,671.67 FEET

ELEVATION = 5086.13 FEET (NAVD 1988)

#### LEGAL DESCRIPTION

TRACTS A-1, AND A-2, CIBOLA LOOP SUBDIVISION, ALBUQUERQUE, NEW MEXICO



fot architects 5501 Americas Parkway NE, Suite 300 Albuquerque, NM 87110 www.fbtarch.com

### CONCILI TANTO

CONSULTANTS			ATE				
CIVIL High Mesa a Bowman company 6010-B Midway Park Blvd NE Albuquerque, NM 87109 p_505.345.4250	SURVEY INFORMATION	FIELD NOTES	٥				
LANDSCAPE Groundwork Studio 6501 Americas Parkway NE, Suite 350 Albuquerque, NM 87110	SUR		NO.				
p_505.212.9126		06	6 <b>–</b> 0	7-20	24	IE 1	•

04-08-2024 03-25-202

DAT DAT

**Chavez-Grieves Consulting Engineers, Inc.** 4700 Lincoln Road NE. Suite 102 Albuquerque, NM 87109 p 505.344.4080

**Bridgers & Paxton** 4600-C Montgomery Blvd NE Albuquerque, NM 87109 p 505.883.4111

STRUCTURAL

M/E/P/FP

LIGHTING **Oldner Lighting** 4645 Greenville Ave, Studio B Dallas, TX 75206 p 310.450.1733

**INTERIORS** Studio M 6501 Americas Parkway NE, Suite 302

Albuquerque, NM 87110

p 505.243.9287

#### CITY OF ALBUQUERQUE

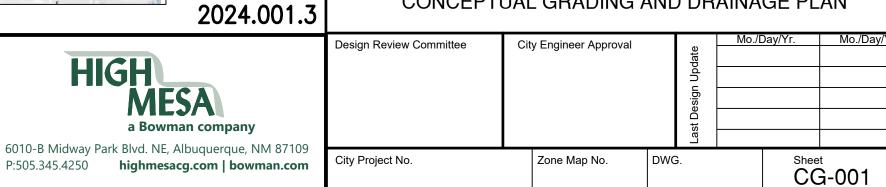
#### COA CIBOLA LOOP MULTIGENERATIONAL CENTER

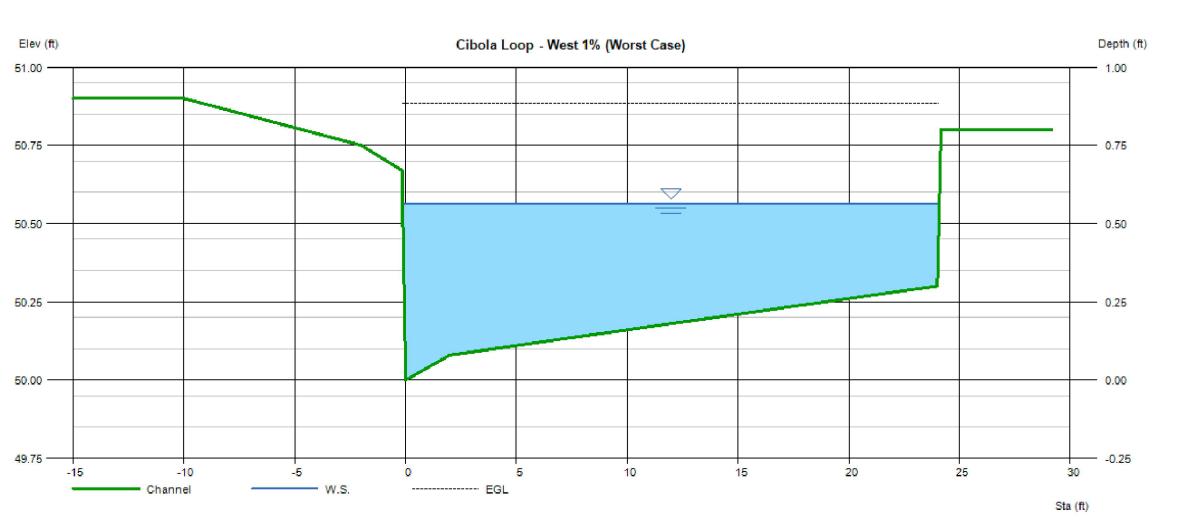
Cibola Loop NW Albuquerque, NM 87114

#### DFT SITE PLAN AND EARLY WORK PACKAGE

MARCH 25, 2024

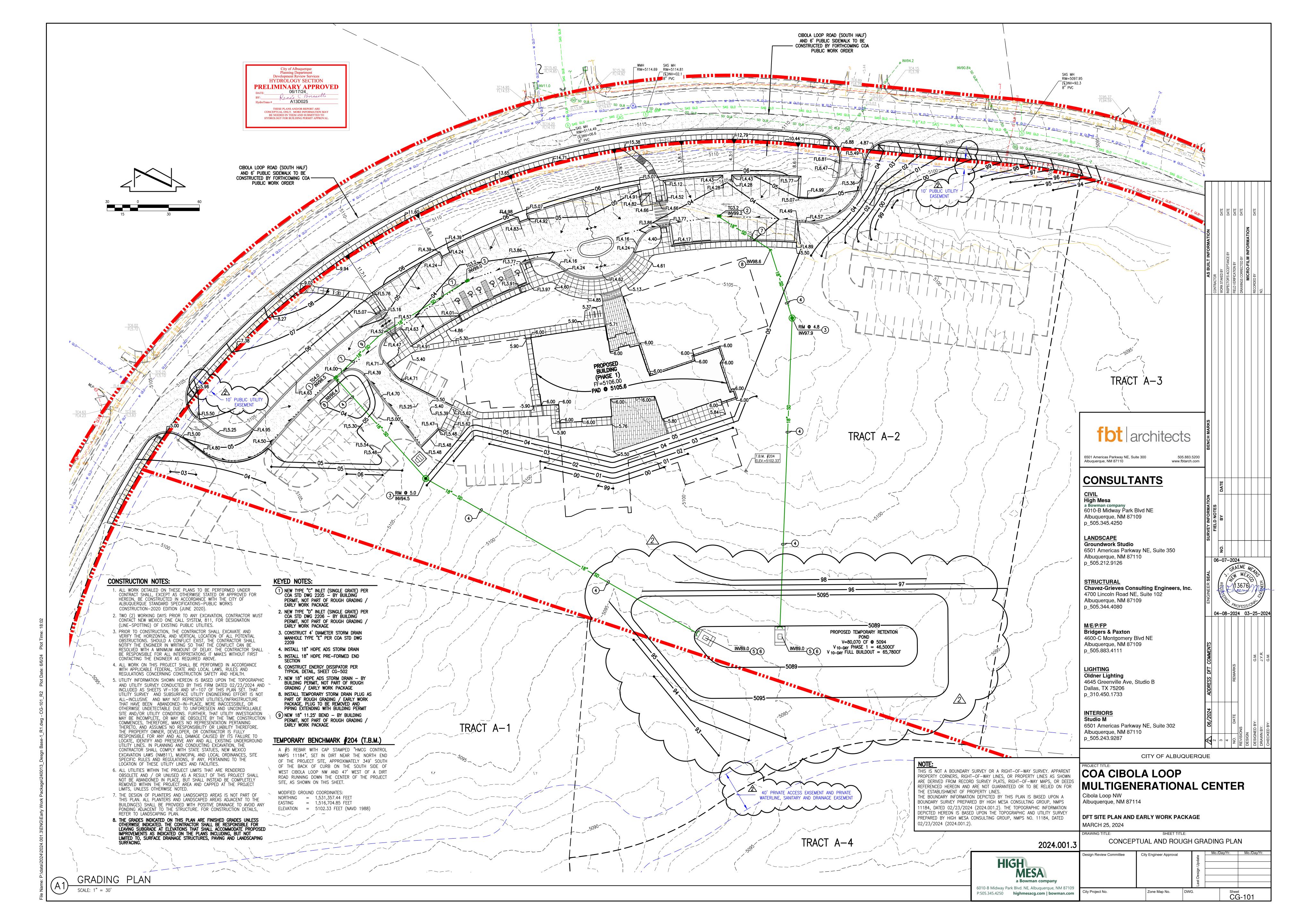
CONCEPTUAL GRADING AND DRAINAGE PLAN

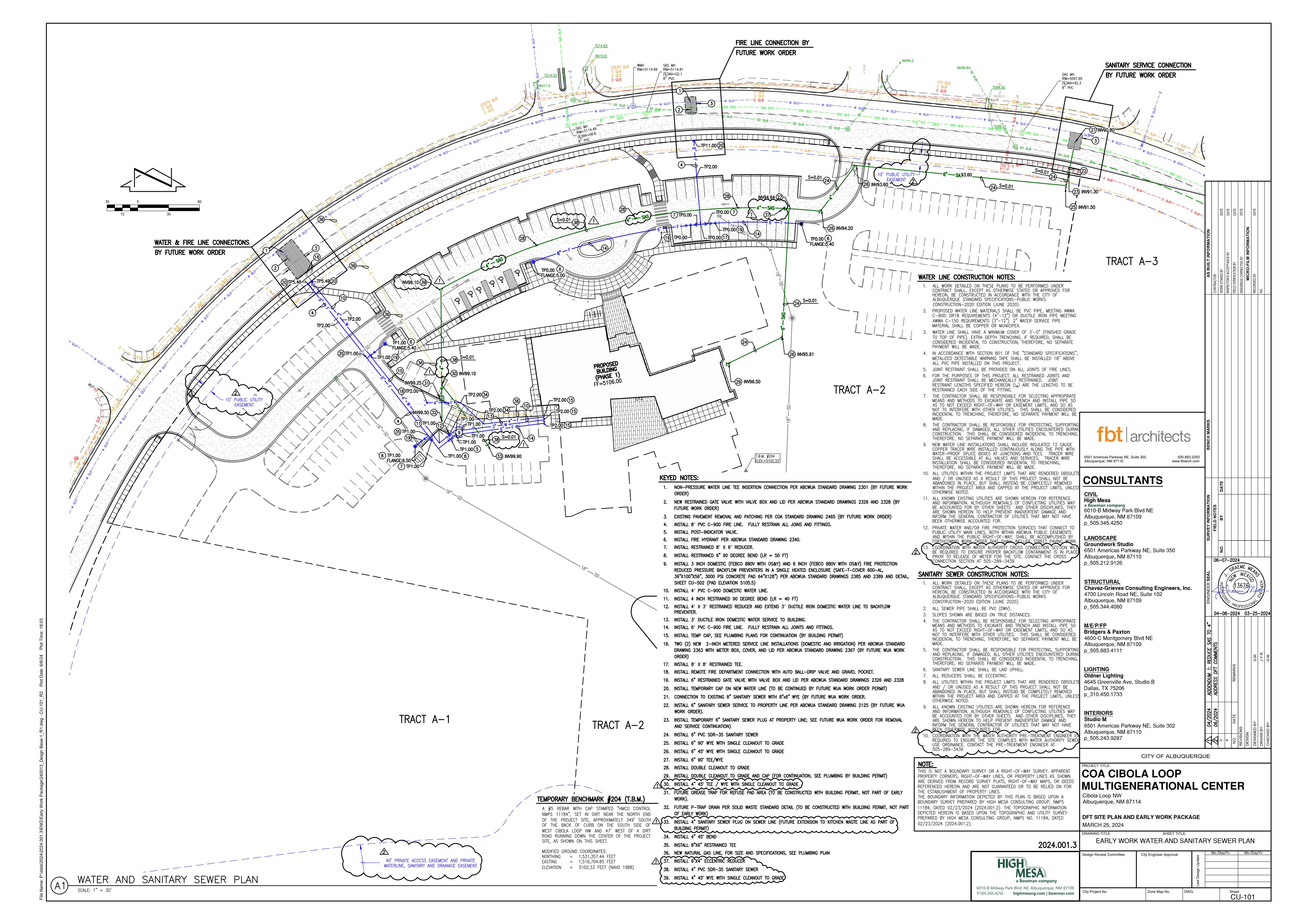


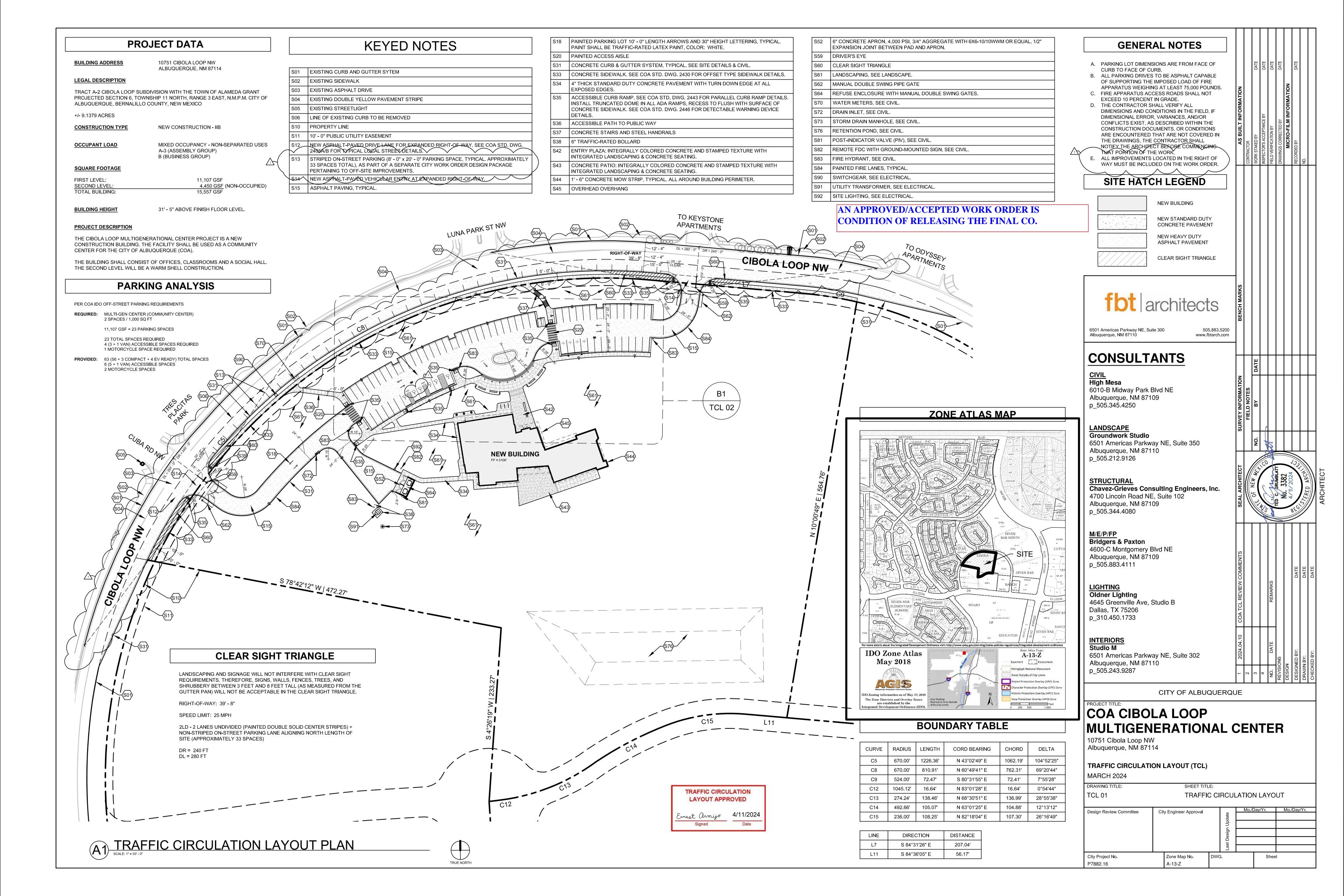


24.23 24.86

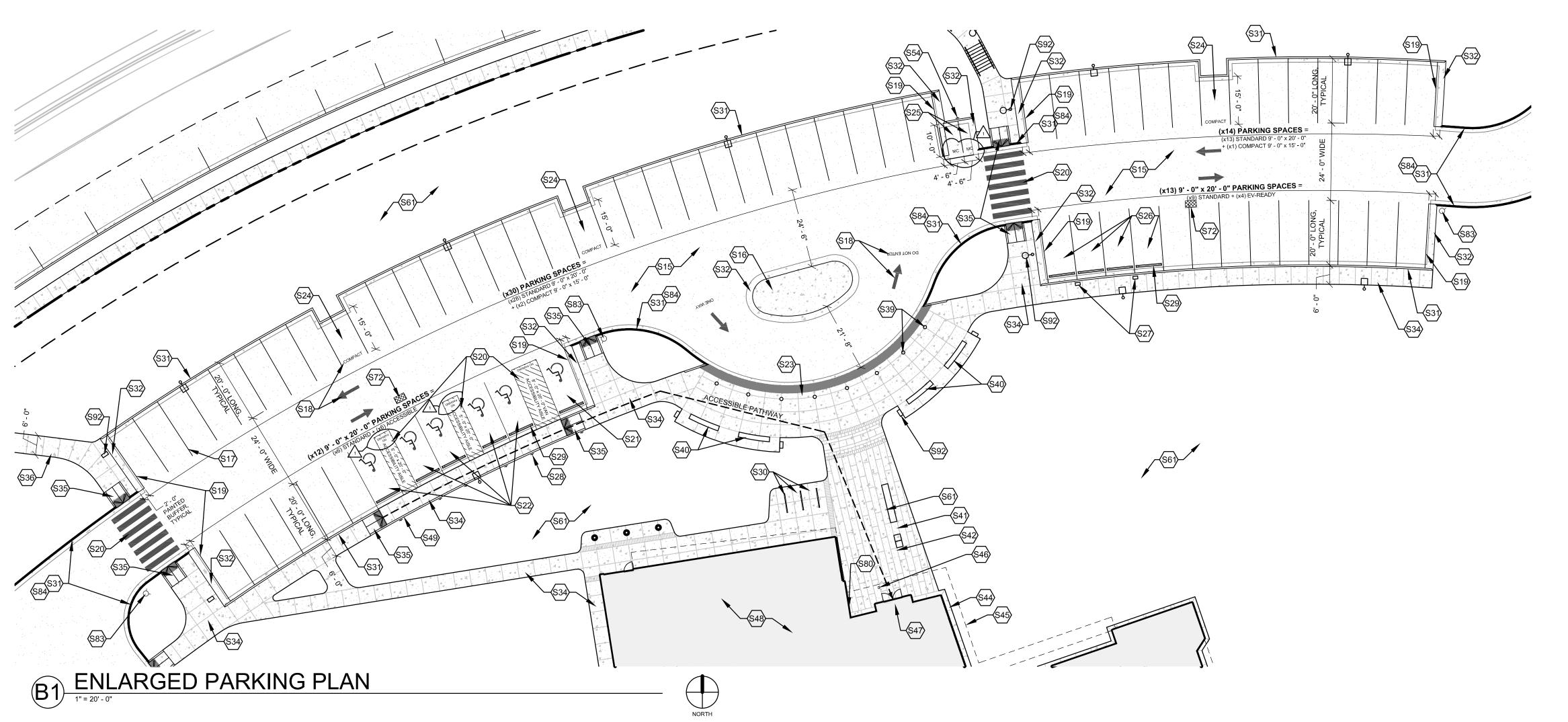
BASIN AND STORM DRAIN MAP SCALE: 1" = 100'











#### **KEYED NOTES**

- S15 ASPHALT PAVING, TYPICAL.
- S16 CONCRETE PAD
- S17 PAINTED PARKING LOT 4" WIDE STRIPING, TYPICAL. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT, COLOR: WHITE.
- S18 PAINTED PARKING LOT 10' 0" LENGTH ARROWS AND 30" HEIGHT LETTERING, TYPICAL. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT, COLOR: WHITE.
- S19 2' PAINTED BUFFER TO MOUNTABLE CURB, TYPICAL.
- PAINTED ACCESS AISLE
- ACCESSIBLE VAN PARKING SPACE PER TABLE 1106.1 WITH GROUND-MOUNTED
- S22 ACCESSIBLE PARKING SPACE PER TABLE 1106.1 WITH GROUND-MOUNTED SIGN
- ACCESSIBLE DROP-OFF. INSTALL TRUNCATED DOME TO DESIGNATE THRESHOLD BETWEEN CONCRETE SIDEWALK AND ASPHALT DRIVE, RECESS TO FLUSH WITH SURFACE OF CONCRETE SIDEWALK. SEE COA STD. DWG. 2446 FOR DETECTABLE WARNING DEVICE DETAILS. S24 COMPACT VEHICLE PARKING, TYPICAL.
- MOTORCYCLE PARKING WITH GROUND-MOUNTED SIGN
- S26 (4) EV-READY SPACES
- 527 FUTURE OWNER-PROVIDED BY STATIONS, SEE ELECTRICAL FOR REQUIREMENTS.
- GROUND-MOUNTED ADA SIGN, TYPICAL. ACCESSIBLE PARKING SIGNAGE SHALL CONTAIN THE LANGUAGE "VIOLATORS ARE SUBJECT TO A FINE AND/OR TOWING" PER 66-7-352.4C NMSA. S29 CONCRETE WHEELSTOP, TYPICAL WHERE GROUND-MOUNTED SIGNAGE AND EV CHARGING EQUIPMENT IS PRESENT, SEE SITE DETAILS.
- TUBE STEEL FRAMED BICYCLE RACKS, PAINTED, PER COA STANDARDS. (3 SPACES
- REQUIRED / 6 SPACES PROVIDED) CONCRETE CURB & GUTTER SYSTEM, TYPICAL. SEE SITE DETAILS & CIVIL.
- MOUNTABLE CURB AT PARKING ROW ENDS, TYPICAL. SEE COA STD. DWG. 2415B FOR MOUNTABLE ROLL CURB AND GUTTER DETAIL.

- S34 4" THICK STANDARD DUTY CONCRETE PAVEMENT WITH TURN DOWN EDGE AT ALL
- ACCESSIBLE CURB RAMP. SEE COA STD. DWG. 2443 FOR PARALLEL CURB RAMP DETAILS. INSTALL TRUNCATED DOME IN ALL ADA RAMPS, RECESS TO FLUSH WITH SURFACE OF CONCRETE SIDEWALK. SEE COA STD. DWG. 2446 FOR DETECTABLE WARNING DEVICE DETAILS.
- S36 ACCESSIBLE PATH TO PUBLIC WAY
- CONCRETE STAIRS AND STEEL HANDRAILS
- TRAFFIC-RATED BOLLARD WITH LIGHTING, SEE LIGHTING.
- CAST-IN-PLACE CONCRETE BENCH AT DROPOFF. (16" HIGH x 18" DEEP x +/- 9' LENGTH, TYPICAL)
- CAST-IN-PLACE CONCRETE BENCH AT ENTRY/PATIO. (16" HIGH x 16" DEEP.
- ENTRY PLAZA: INTEGRALLY COLORED CONCRETE AND STAMPED TEXTURE WITH INTEGRATED LANDSCAPING & CONCRETE SEATING. 1' - 6" CONCRETE MOW STRIP, TYPICAL. ALL AROUND BUILDING PERIMETER.
- ADA AUTOMATIC DOOR ACTUATOR

OVERHEAD OVERHANG

S45

S47	MAIN ENTRY
S48	BUILDING INTERIOR
S49	CONCRETE HEADER CURB
S50	CONCRETE STAIRS
S51	STEEL HANDRAILS
S54	GROUND-MOUNTED MOTORCYCLE PARKING SIGN
S61	LANDSCAPING, SEE LANDSCAPE.
S63	ILLUMINATED FLAGPOLE, SEE LIGHTING PLAN.
S72	DRAIN INLET, SEE CIVIL.
S80	WALL-MOUNTED KNOX BOX
S83	FIRE HYDRANT, SEE CIVIL.
S84	PAINTED FIRE LANE, TYPICAL.
S90	SWITCHGEAR, SEE ELECTRICAL.
S91	UTILITY TRANSFORMER, SEE ELECTRICAL.
S92	SITE LIGHTING, SEE LIGHTING.

#### **GENERAL NOTES**

A. PARKING LOT DIMENSIONS ARE FROM FACE OF

APPARATUS WEIGHING AT LEAST 75,000 POUNDS.

- CURB TO FACE OF CURB. B. ALL PARKING DRIVES TO BE ASPHALT CAPABLE OF SUPPORTING THE IMPOSED LOAD OF FIRE
- C. FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 10 PERCENT IN GRADE. D. THE CONTRACTOR SHALL VERIFY ALL
- DIMENSIONS AND CONDITIONS IN THE FIELD. IF DIMENSIONAL ERROR, VARIANCES, AND/OR CONFLICTS EXIST, AS DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS, OR CONDITIONS ARE ENCOUNTERED THAT ARE NOT COVERED IN THE DRAWINGS, THE CONTRACTOR SHALL
- NOTHEY THE ARCHITECT BEFORE COMMENCING THAT PORTION OF THE WORK. E. ALL IMPROVEMENTS LOCATED IN THE RIGHT OF WAY MUST BE INCLUDED ON THE WORK ORDER.

#### \_\_\_\_\_\_ SITE HATCH LEGEND

**NEW BUILDING** 

**NEW STANDARD DUTY** 

CONCRETE PAVEMENT NEW HEAVY DUTY ASPHALT PAVEMENT

CLEAR SIGHT TRIANGLE

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6501 Americas Parkway NE, Suite 300 Albuquerque, NM 87110

#### CONSULTANTS

<u>CIVIL</u> High Mesa 6010-B Midway Park Blvd NE Albuquerque, NM 87109 p\_505.345.4250

#### LANDSCAPE **Groundwork Studio**

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#### **Chavez-Grieves Consulting Engineers, Inc.** 4700 Lincoln Road NE, Suite 102

#### M/E/P/FP Bridgers & Paxton 4600-C Montgomery Blvd NE Albuquerque, NM 87109

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Oldner Lighting 4645 Greenville Ave, Studio B Dallas, TX 75206

#### **INTERIORS** Studio M

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CITY OF ALBUQUERQUE

#### COA CIBOLA LOOP MULTIGENERATIONAL CENTER

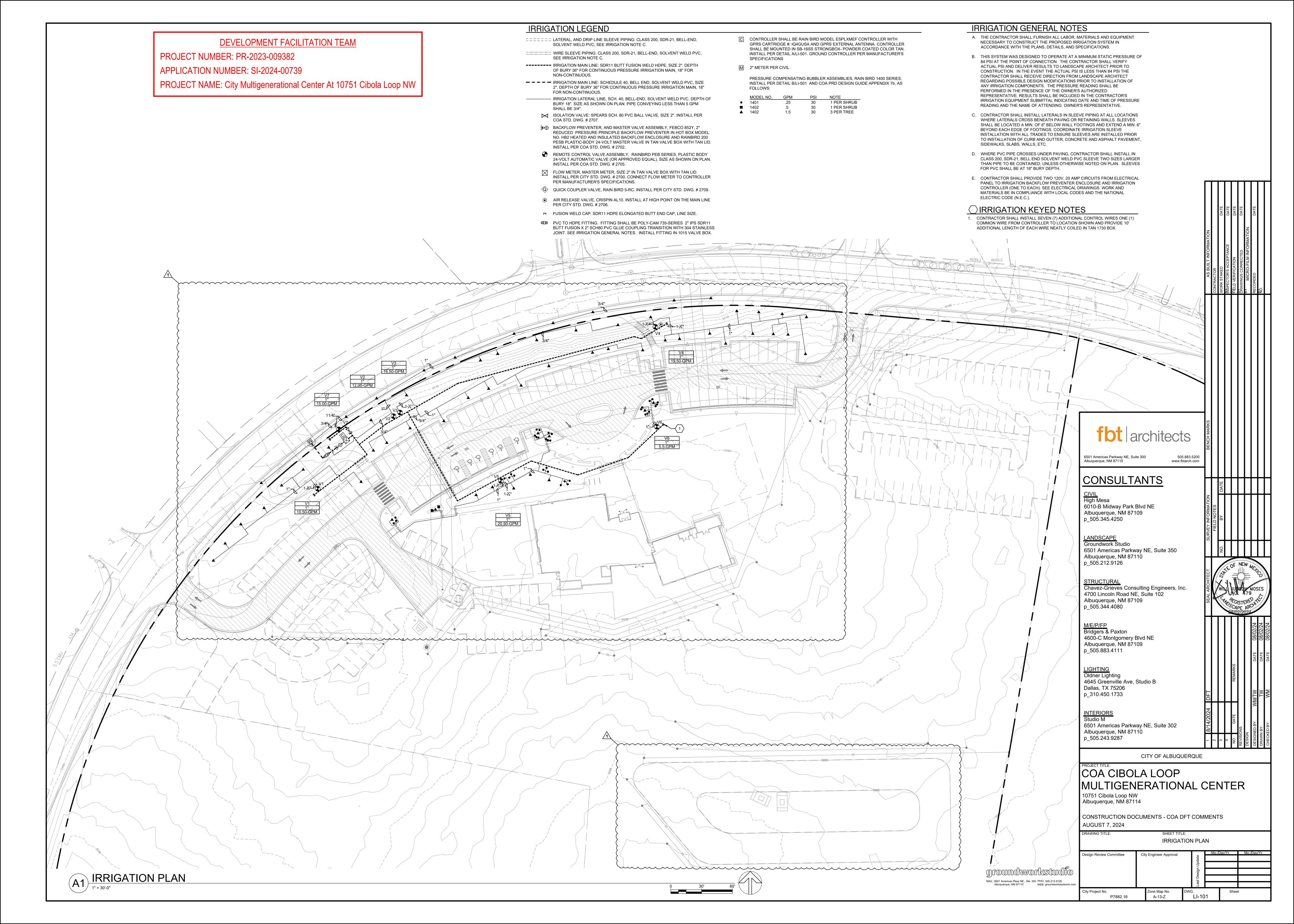
10751 Cibola Loop NW Albuquerque, NM 87114

TRAFFIC CIRCULATION LAYOUT (TCL)

MARCH 2024 DRAWING TITLE: TCL 02

TRAFFIC CIRCULATION LAYOUT

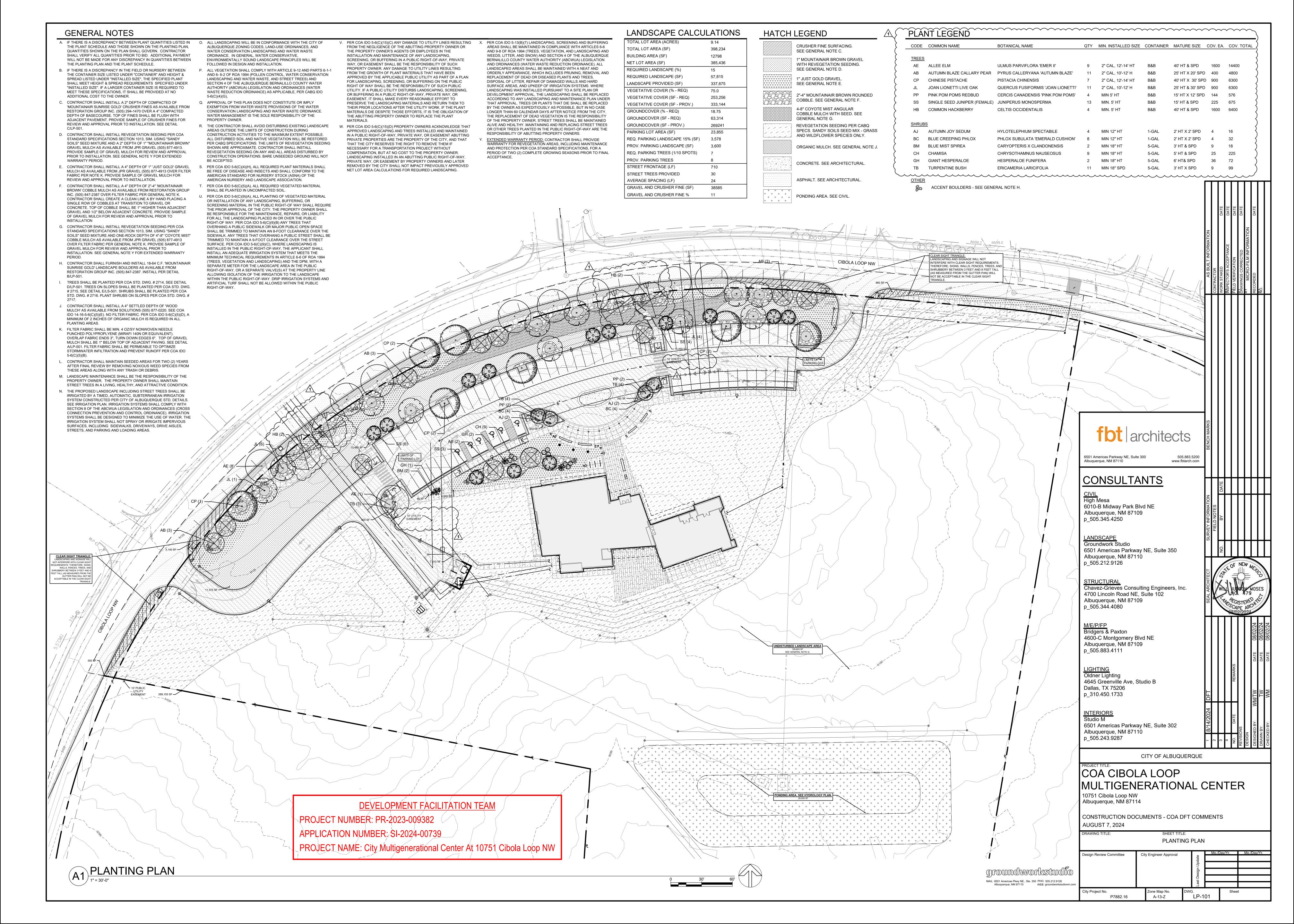
Design Review Committee	City Engineer Approval		0	Mo./I	Day/Yr.	Mo./Day/Yr.
3			Update			
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City Project No.	Zone Map No.	DWG	Э.	=	Shee	et
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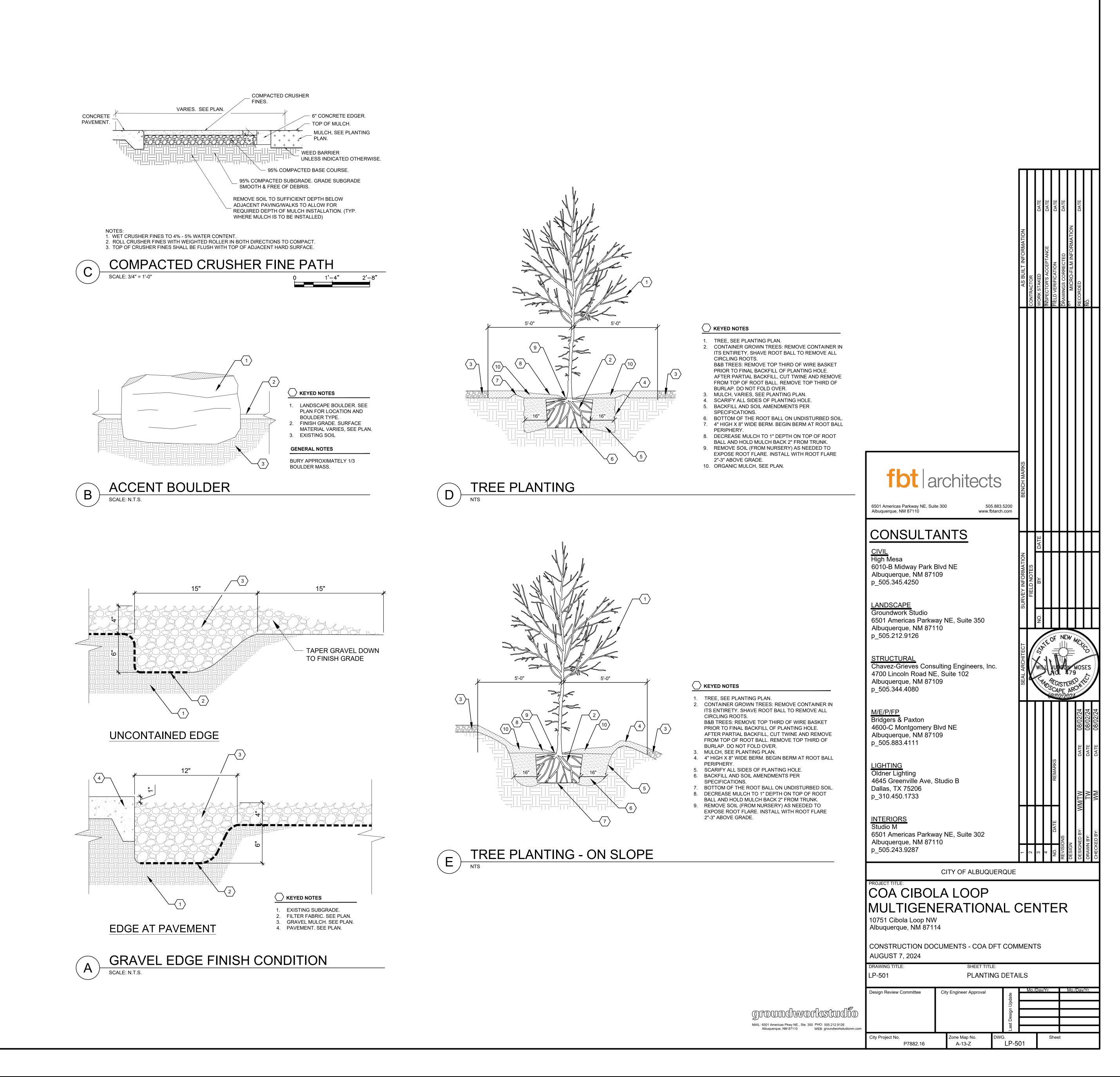


APPLICATION NUMBER: SI-2024-00739 PROJECT NAME: City Multigenerational Center At 10751 Cibola Loop NW fbt architects 6501 Americas Parkway NE, Suite 300 Albuquerque, NM 87110 505.883.5200 www.fbtarch.com BUBBLER, SEE IRRIGATION LEGEND. TOP OF BUBBLER SHALL BE FLUSH CONSULTANTS WITH TOP OF MULCH. LOCATE BUBBLER 12" FROM ROOT BALL OF TREE AND 8" FROM ROOT BALL OF CIVIL High Mesa 6010-B Midway Park Blvd NE Albuquerque, NM 87109 p\_505.345.4250 LANDSCAPE Groundwork Studio  $\frac{1}{2}$ " SCH. 80 PVC THREADED NIPPLE, LENGTH AS REQUIRED. 6501 Americas Parkway NE, Suite 350 Albuquerque, NM 87110 p\_505.212.9126 STRUCTURAL
Chavez-Grieves Consulting Engineers, Inc. 4700 Lincoln Road NE, Suite 102 Albuquerque, NM 87109 p\_505.344.4080 SCH. 40 PVC ELBOW, - LATERAL PIPE, SEE M/E/P/FP Bridgers & Paxton LINE SIZE SLIP X  $\frac{1}{2}$ " FPT IRRIGATION LEGEND. 4600-C Montgomery Blvd NE Albuquerque, NM 87109 **BUBBLER ASSEMBLY** p\_505.883.4111 LIGHTING Oldner Lighting 4645 Greenville Ave, Studio B Dallas, TX 75206 p\_310.450.1733 AUTOMATIC CONTROLLER IN PEDESTAL-ENCLOSURE., SEE IRRIGATION LEGEND. INSTALL PER MANUFACTURER'S INTERIORS Studio M SPECIFICATIONS 6501 Americas Parkway NE, Suite 302 3/4" RIGID PVC SWEEP ELL Albuquerque, NM 87110 FOR 120V POWER p\_505.243.9287 - 3/4" RIGID PVC SWEEP ELL — FOR GROUND WIRE RIGID PVC SWEEP ELL FOR 24V — CITY OF ALBUQUERQUE WIRE, SIZE AS REQUIRED. EXTEND 12" PAST CONCRETE PAD 1/2" X 6" ANCHOR BOLTS COA CIBOLA LOOP - 6" THICK 3,500 PSI CONCRETE
PAD WITH MED. BROOM FINISH.
EXTEND PAD MIN. 18" BEYOND
EACH SIDE OF ENCLOSURE, MULTIGENERATIONAL CENTER 10751 Cibola Loop NW Albuquerque, NM 87114 SLOPE TO DRAIN. CONSTRUCTION DOCUMENTS - COA DFT COMMENTS AUGUST 7, 2024 A PEDESTAL MOUNTED CONTROLLER
SCALE: N.T.S. IRRIGATION DETAILS Design Review Committee City Engineer Approval groundworkstudio MAIL: 6501 Americas Pkwy NE., Ste. 350 PHO: 505.212.9126 Albuquerque, NM 87110 WEB: groundworkstudionm.c Zone Map No. A-13-Z City Project No. wg. **LI-501** Sheet P7882.16

**DEVELOPMENT FACILITATION TEAM** 

PROJECT NUMBER: PR-2023-009382





VICINITY MAP
SCALE: 1"=750"

INDEX OF DRAWINGS

- 1. COVER SHEET, NOTES, VICINITY MAP
- 2. DIGITAL ORTHOPHOTO
- 3. BOUNDARY SURVEY
- 4. TOPOGRAPHIC SURVEY NORTH PORTION
- 5. TOPOGRAPHIC SURVEY SOUTH PORTION
- 6. UTILITY SURVEY NORTH PORTION7. UTILITY SURVEY SOUTH PORTION

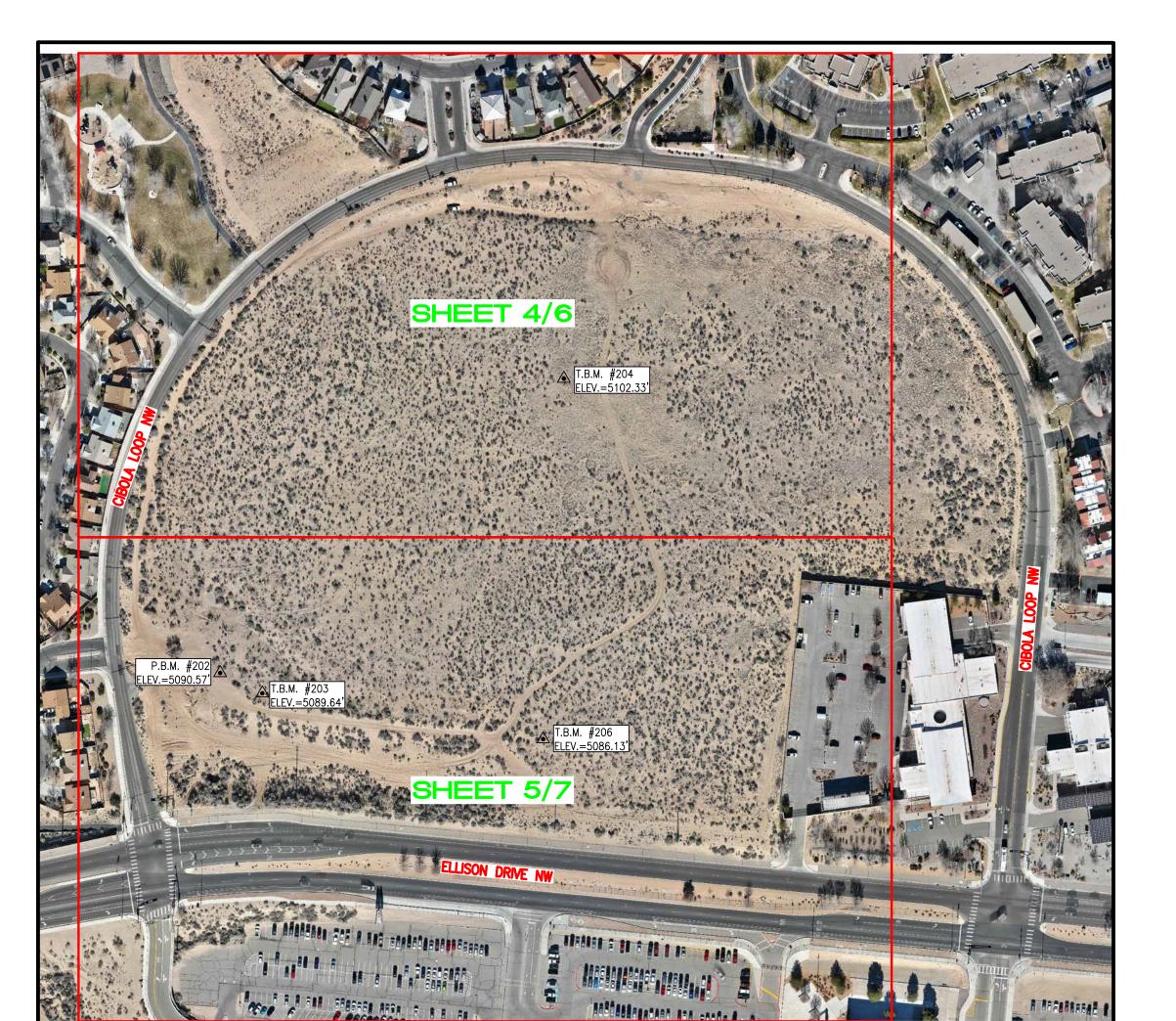
#### GENERAL NOTES

- 1. A BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY WAS PERFORMED IN JANUARY, 2024. PROPERTY CORNERS WERE FOUND OR SET AS INDICATED.
- 2. SITE LOCATED WITHIN PROJECTED SECTION 6, TOWNSHIP 11 NORTH, RANGE 3 EAST, N.M.P.M. (TOWN OF ALAMEDA GRANT).
- ORTHOPHOTOGRAPHY WAS CAPTURED BY HMCG UNMANNED AERIAL VEHICLE (UAV) ON JANUARY
- 4. ALL DISTANCES ARE GROUND DISTANCES.
- 5. BEARINGS SHOWN HEREON ARE NEW MEXICO STATE PLANE GRID BEARINGS, CENTRAL ZONE (NAD 83). THESE BEARINGS ARE POSITIONED FROM AGRS CONTROL STATION "5-A13".
- 6. RECORD BEARINGS AND DISTANCES ARE SHOWN IN PARENTHESIS.
- 7. THIS SURVEY HAS BEEN PREPARED BASED UPON NAVD 88 DATUM. PREVIOUS SURVEYS OF THIS AREA CONDUCTED BY OTHER CONSULTANTS MAY HAVE BEEN CONDUCTED BASED UPON NGVD 29 DATUM. SPECIAL CARE SHOULD BE EXERCISED WHEN COMPARING ELEVATIONS FROM THIS SURVEY TO CURRENT AND PREVIOUS SURVEYS, PLANS AND AS—BUILT DOCUMENTS.
- . THE FOLLOWING DOCUMENTS AND INSTRUMENTS WERE USED FOR THE PERFORMANCE AND PREPARATION OF THIS SURVEY:
- A. PLAT OF TRACTS B-9 THROUGH B-12, SEVEN-BAR RANCH, FILED NOVEMBER 08, 1985, VOLUME C28, FOLIO 161, DOC. NO. 1985094878.
- B. EASEMENT FILED FEBRUARY 21, 1986, DOC. NO. 1986015530.
- C. PLAT OF TRACTS B-9D THROUGH B-9K, SEVEN-BAR RANCH, FILED DECEMBER 21, 1989, VOLUME C40, FOLIO 75, DOC. NO. 1989107837.
- . PLAT OF TRACTS B-9H-1 AND B-9J-1, SEVEN-BAR RANCH, FILED NOVEMBER 17, 1994, VOLUME 94C, FOLIO 387, DOC. NO. 1994136793.
- E. PLAT OF VISTA DEL PARQUE SUBDIVISION, FILED OCTOBER 07, 1997, VOLUME 97C, FOLIO 305, DOC. NO. 1997105217.
- F. DRAINAGE EASEMENT FILED MAY 05, 1999, DOC. NO. 1999060060.
- G. PLAT OF TRES PLACITAS, FILED OCTOBER 06, 1999, BOOK 99C, PAGE 283, DOC. NO. 1999128384.
- H. PLAT OF TRACTS B-9D-1 AND TRACT B-9D-2, SEVEN-BAR RANCH, FILED JANUARY 02, 2003, BOOK 2003C, PAGE 1, DOC. NO. 2003000507.
- I. PLAT OF TRACTS B-9J-1A-1 AND B-9J-1A-2, SEVEN-BAR RANCH, FILED MAY 16, 2006,
- BOOK 2006C, PAGE 156, DOC. NO. 2006071228.

  J. PLAT OF TRACTS B-9E-1-A, B-9F-1 AND B-9E-2-A, SEVEN BAR RANCH, FILED FEBRUARY
- 13, 2008, BOOK 2008C, PAGE 26, DOC. NO. 2008016817.

  K. BULK LAND PLAT OF CIBOLA LOOP SUBDIVISION, FILED APRIL 29, 2009, BOOK 2009C, PAGE 66, DOC. NO. 2009046789.
- BULK PLAT OF TRACTS A-1, A-2, B-1 AND C-1, CIBOLA LOOP SUBDIVISION, FILED FEBRUARY 14, 2017, BOOK 2017C, PAGE 17, DOC. NO. 2017013734.
- 9. THE PROPERTY SURVEYED HEREON MAY BE SUBJECT TO THE RESERVATIONS CONTAINED IN THE
- ORIGINAL PATENT FROM THE UNITED STATES OF AMERICA.

  10. THE PROPERTY SURVEYED HEREON MAY BE SUBJECT TO THE TEMPORARY TURNING EASEMENT FILLED ON 11/08/1985 SEE EASEMENT KEY NOTE 5.



SHEET LAYOUT
SCALE: 1"=150'

A.G.R.S. BENCHMARK #201

AN AGRS BRASS DISK STAMPED "5-A13", SET IN CONCRETE, ON THE SOUTHEAST CORNER OF THE ISLAND NORTHWEST OF THE INTERSECTION OF COORS BLVD BYPASS NW AND ELLISON DR NW. NOT

MODIFIED GROUND COORDINATES: PUBLISHED COORDINATES:

 NORTHING
 = 1,530,468.50 FEET
 NORTHING
 = 1,530,468.63 FEET

 EASTING
 = 1,518,154.32 FEET
 EASTING
 = 1,518,153.56 FEET

 ELEVATION
 = 5057.85 FEET (NAVD 1988)
 ELLIPSOID HEIGHT
 = 4987.95 FEET (NAD 83)

#### PROJECT BENCHMARK #202 (P.B.M.)

A #5 REBAR W/CAP STAMPED "HMCG CONTROL NMPS 11184", SET IN DIRT NEAR THE SOUTHWEST CORNER OF THE PROJECT SITE, APPROXIMATELY 136' EAST OF THE STORM DRAIN INLET ON THE EAST SIDE OF WEST CIBOLA LOOP NW AND 233' NORTH OF THE BACK OF CURB ON THE NORTH SIDE OF ELLISON DR NW, AS SHOWN ON THIS SHEET AND SHEET 5.

MODIFIED GROUND COORDINATES: NORTHING = 1,530,887.18 FEET EASTING = 1,516,155.43 FEET

TEMPORARY BENCHMARK #203 (T.B.M.)

ELEVATION = 5090.57 FEET (NAVD 1988)

A #5 REBAR W/CAP STAMPED "HMCG CONTROL NMPS 11184", SET IN DIRT NEAR THE SOUTHWEST CORNER OF THE PROJECT SITE, APPROXIMATELY 200' EAST OF THE STORM DRAIN INLET ON THE EAST SIDE OF WEST CIBOLA LOOP NW AND 200' NORTH OF THE BACK OF CURB ON THE NORTH SIDE OF ELLISON DR NW, AS SHOWN ON THIS SHEET AND SHEET 5.

MODIFIED GROUND COORDINATES: NORTHING = 1,530,854.64 FEET EASTING = 1,516,222.95 FEET

ELEVATION = 5089.64 FEET (NAVD 1988)

#### TEMPORARY BENCHMARK #204 (T.B.M.)

A #5 REBAR W/CAP STAMPED "HMCG CONTROL NMPS 11184", SET IN DIRT NEAR THE NORTH END OF THE PROJECT SITE, APPROXIMATELY 349' SOUTH OF THE BACK OF CURB ON THE SOUTH SIDE OF WEST CIBOLA LOOP NW AND 47' WEST OF A DIRT ROAD RUNNING DOWN THE CENTER OF THE PROJECT SITE, AS SHOWN ON THIS SHEET AND SHEET 4.

MODIFIED GROUND COORDINATES:
NORTHING = 1,531,357.44 FEET
EASTING = 1,516,704.85 FEET
ELEVATION = 5102.33 FEET (NAVD 1988)

#### TEMPORARY BENCHMARK #206 (T.B.M.)

A #5 REBAR W/CAP STAMPED "HMCG CONTROL NMPS 11184", SET IN DIRT NEAR THE SOUTHEAST CORNER OF THE PROJECT SITE, APPROXIMATELY 66' EAST OF A DIRT ROAD RUNNING DOWN THE CENTER OF THE PROJECT SITE AND 170' NORTH OF THE BACK OF CURB ON THE NORTH SIDE OF ELLISON DR NW, AS SHOWN ON THIS SHEET AND SHEET 5.

MODIFIED GROUND COORDINATES: NORTHING = 1,530,781.43 FEET EASTING = 1,516,671.67 FEET ELEVATION = 5086.13 FEET (NAVD 1988)

#### LEGAL DESCRIPTION

TRACTS A-1, AND A-2, CIBOLA LOOP SUBDIVISION, ALBUQUERQUE, NEW MEXICO, PROJECTED SECTION 6, TOWNSHIP 11 NORTH, RANGE 3 EAST, N.M.P.M. (TOWN OF ALAMEDA GRANT). AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON FEBRUARY 14, 2017, BK. 2017C, PG. 17, DOC. NO. 2017013734.

#### EASEMENT

- 1) 10' MOUNTAIN STATES TELEPHONE AND TELEGRAPH COMPANY EASEMENT, BEING 5' ON EACH SIDE OF CENTERLINE GRANTED BY DOCUMENT FILED 02-21-1986, BOOK 323A PAGE 942, DOC. NO. 1986015530.
- 10' NEW MEXICO UTILITIES SEWERLINE EASEMENT, GRANTED BY DOCUMENTS FILED 12-05-1974, BOOK 345 PAGE 971 AND AS DEPICTED ON PLAT FILED 02-14-2017, BOOK 2017C, PAGE 17.
- 3 PUBLIC DRAINAGE EASEMENT, GRANTED BY DOCUMENTS FILED 05-05-1999, BOOK 9906 PAGE 9917, DOC. NO. 1999060060.
- 4 10' PUBLIC UTILITY EASEMENT, AS SHOWN ON PLAT FILED 12-21-1989, BOOK C40 PAGE 75.
- 5 50' RADIUS TEMPORARY TURNING EASEMENT, AS SHOWN ON PLAT FILED 11-08-1985, BOOK C28 PAGE 161.
- 6 12' MOUNTAIN BELL UNDERGROUND TELEPHONE EASEMENT, AS SHOWN ON PLAT FILED 11-08-1985, BOOK C28 PAGE 161.
- 7 10' PUBLIC UTILITY EASEMENT, GRANTED BY PLAT FILED 04-29-2009, BOOK 2009C PAGE 66.
- RECIPROCAL CROSS LOT ACCESS AND DRAINAGE EASEMENT FOR TRACTS A, B, C, THE JOINT USE AND BENEFIT OF AND TO BE MAINTAINED BY SAID BENEFICIARIES, GRANTED BY PLAT FILED 04-29-2009, BOOK 2009C PAGE 66.
- 40' WIDE PRIVATE ACCESS EASEMENT AND PRIVATE WATERLINE, SANITARY AND DRAINAGE EASEMENT, GRANTED BY DOCUMENTS FILED 02-14-2017, BOOK 2017C, PAGE 17.

#### CONTROL SURVEY NOTE

A CONTROL SURVEY WAS CONDUCTED AT THE SITE ON JANUARY 10, 2024. CONTROL WAS PROJECTED ONTO THE SUBJECT SITE UTILIZING RTK GPS OBSERVATIONS COMBINED WITH GEOID MODEL 18(CONUS) TO ESTABLISH HORIZONTAL AND VERTICAL POSITIONS BASED UPON NAD 83/NAVD 88 DATUM. THE RTK OBSERVATIONS WERE USED TO ESTABLISH THE TEMPORARY BENCHMARKS AT THE PROJECT SITE.

THE POINTS OBSERVED HAVE BEEN QUALITY CONTROLLED FOR RELATIVE ACCURACY. AN AGRS BENCHMARK "5-A13" IN THE VICINITY OF THE PROJECT WAS OBSERVED IN ORDER TO PROVIDE REFERENCE TIES TO THE SITE. ALL HORIZONTAL COORDINATES ARE MODIFIED NAD 83 GRID VALUES AND HAVE BEEN ADJUSTED TO THE GROUND AT THE PROJECTION POINT (THE SCALE FACTOR USED IS 1/CF=1.0003225529). THE CONTROL STATION USED TO PROJECT FROM GRID TO GROUND FOR THIS PROJECT IS THE PROJECT BENCHMARK "202" WITH NAD GRID COORDINATES OF:

NORTHING= 1,530,887.18 FEET EASTING= 1,516,155.43 FEET ELEVATION= 5090.57 FEET

THE ELEVATIONS ARE BASED UPON THE NAVD DATUM AND REQUIRE NO FURTHER ADJUSTMENT.

#### SUBSURFACE UTILITY ENGINEERING (SUE) QUALITY LEVEL DESCRIPTIONS

- QUALITY LEVEL A (QLA) UTILITY COMPOSITION, SIZE AND PRECISE VERTICAL AND HORIZONTAL POSITION OF DESIGNATED UTILITY LINE OBTAINED THROUGH NON—DESTRUCTIVE METHODS OF EXCAVATION. ALSO REFERRED TO AS POTHOLING OR DAYLIGHTING.
- QUALITY LEVEL B (QLB) HORIZONTAL UTILITY LOCATIONS ASCERTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODOLOGIES AND UTILITY LOCATING TECHNIQUES. ALSO REFERRED TO AS DESIGNATION OR LINE—SPOTTING.
- QUALITY LEVEL C (QLC) SURVEYING OF VISIBLE SURFACE FEATURES.
- QUALITY LEVEL D (QLD) UTILITY INFORMATION DERIVED FROM EXISTING UTILITY RECORDS AND VARIOUS OTHER RESOURCES OF UTILITY INFORMATION INCLUDING BUT NOT LIMITED TO: RECORD OR AS—BUILT DRAWINGS, SITE UTILITY PLANS, DISTRIBUTION AND SERVICE MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES, ORAL RECOLLECTIONS, ETC.

#### SUBSURFACE UTILITY NOTES

- 1. UTILITIES SHOWN ARE A DEPICTION OF VISIBLE UTILITY FEATURES AND ASCERTAINABLE SUBSURFACE UTILITY LOCATIONS THAT HAVE BEEN DESIGNATED AND/OR OBSERVED BY, AND SUBSEQUENTLY SURVEYED BY HIGH MESA CONSULTING GROUP. AS A GENERAL GUIDELINE, ASCE STANDARD 38–22 (STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES) HAS BEEN FOLLOWED FOR GATHERING AND PRESENTING THE LEVEL OF UTILITY INFORMATION THAT HAS BEEN REQUESTED FOR THIS PROJECT. SUBSURFACE UTILITY ENGINEERING (SUE) QUALITY LEVELS B, C AND D HAVE BEEN COMPLETED AT THIS TIME.
- 2. SURFACE GEOPHYSICAL LOCATING AND SUBSURFACE UTILITY DESIGNATION (SUE QLB) EFFORTS HAVE BEEN BASED UPON VARIOUS RESOURCES OF UTILITY INFORMATION ALONG WITH CURRENT SITE CONDITIONS INCLUDING ACCESSIBLE SURFACE FEATURES OBSERVED WITHIN THE PROJECT LIMITS. RESULTS OF THIS EFFORT HAVE BEEN CORRELATED TO EXISTING RECORD DRAWINGS (OR OTHER RESOURCES OF UTILITY INFORMATION) THAT WERE AVAILABLE AT THE TIME THIS WORK WAS PERFORMED. UTILITY LOCATIONS THAT COULD NOT BE ASCERTAINED THROUGH SURFACE GEOPHYSICAL LOCATING METHODS, BUT WERE RECONCILED FROM UTILITY RECORDS, HAVE BEEN IDENTIFIED AND LABELED ON THIS SURVEY ACCORDINGLY. ADDITIONALLY, ANY DISCOVERED DISCREPANCIES RELATED TO THE RECORD DRAWINGS, UTILITY CONNECTIVITY OR PUBLIC UTILITY RESPONSE HAVE BEEN DOCUMENTED. REFER TO KEYED SUBSURFACE UTILITY NOTES ON SHEET 6 AND 7 FOR LOCATIONS AND SUBSURFACE UTILITY KEYED NOTES FOR DETAILS.
- 3. PUBLICLY-OWNED UTILITIES REPRESENTED ON THIS SURVEY HAVE BEEN IDENTIFIED BY THE OWNER IN RESPONSE TO HMCG NM811 DESIGN LOCATE REQUEST (NM811 TICKET 24JA030354 01/03/24 11:38AM) AND/OR THROUGH SUPPLEMENTAL DESIGNATION EFFORTS BY HMCG BASED UPON SURFACE EVIDENCE AND VARIOUS OTHER RESOURCES OF UTILITY INFORMATION OBTAINED FROM THE OWNER AT THE ONSET OF THE PROJECT. A LIST OF UTILITY OWNERS REGISTERED WITH NM811 HAS BEEN PROVIDED BELOW:

#### NM811 UTILITY OWNER/OPERATOR LIST

\*TELEPHONE NUMBER ALBUQUERQUE/BERNALILLO COUNTY WUA 1-505-842-9287 CENTURYLINK LOCAL NETWORK CENTRAL 1-800-283-4237 CITY OF ALBUQUERQUE (C.O.A.) 1-505-857-8044 C.O.A.—STORM DRAINS 1-505-857-8022 C.O.A. - STREET LIGHTING DEPT. 1-505-508-0744 C.O.A. - STREET LIGHTING DEPT. 1-505-857-8689 COMCAST - ALBUQUERQUE 1-800-778-9140 MCI CABLE SEC 1-919-414-2782 NEW MEXICO GAS COMPANY - ALBUQUERQUE 1-505-934-5853 PNM ELECTRIC - ALBUQUERQUE 1-505-463-0024 UNITE PRIVATE NETWORKS, LLC 1-816-368-9039

#### \*TELEPHONE NUMBERS OBTAINED THROUGH NM811 WEB PORTAL

4. THIS UTILITY SURVEY AND SUBSURFACE UTILITY ENGINEERING EFFORT IS NOT ALL—INCLUSIVE AND MAY NOT REPRESENT UTILITIES/INFRASTRUCTURE THAT HAVE BEEN ABANDONED—IN—PLACE, WERE INACCESSIBLE, OR OTHERWISE UNDETECTABLE DUE TO UNFORESEEN AND UNCONTROLLABLE SITE AND/OR UTILITY CONDITIONS. FURTHER, THIS UTILITY INVESTIGATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE PROPERTY OWNER, DEVELOPER, OR CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUES, NEW MEXICO EXCAVATION LAWS (NM811), MUNICIPAL AND LOCAL ORDINANCES, SITE SPECIFIC RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE UTILITY LINES AND FACILITIES.

#### SURVEYORS CERTIFICATION

I, CHARLES G. CALA, JR., NEW MEXICO PROFESSIONAL SURVEYOR NO. 11184, DO HEREBY CERTIFY; THAT THIS BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



DATE

HIGH MESA a Bowman company 6010-B Midway Park Blvd. NE, Albuquerque, NM 87109

P:505.345.4250 **highmesacg.com | bowman.com** 



COVER SHEET
CIBOLA LOOP
ALBUQUERQUE, NM

SURVEYED BY M.V.Z.

DRAWN BY A.J.P.

APPROVED BY C.G.C.

NO. DATE BY REVISIONS

JOB NO. 2024.001.2

DATE 02-2024

SHEET 0F 7



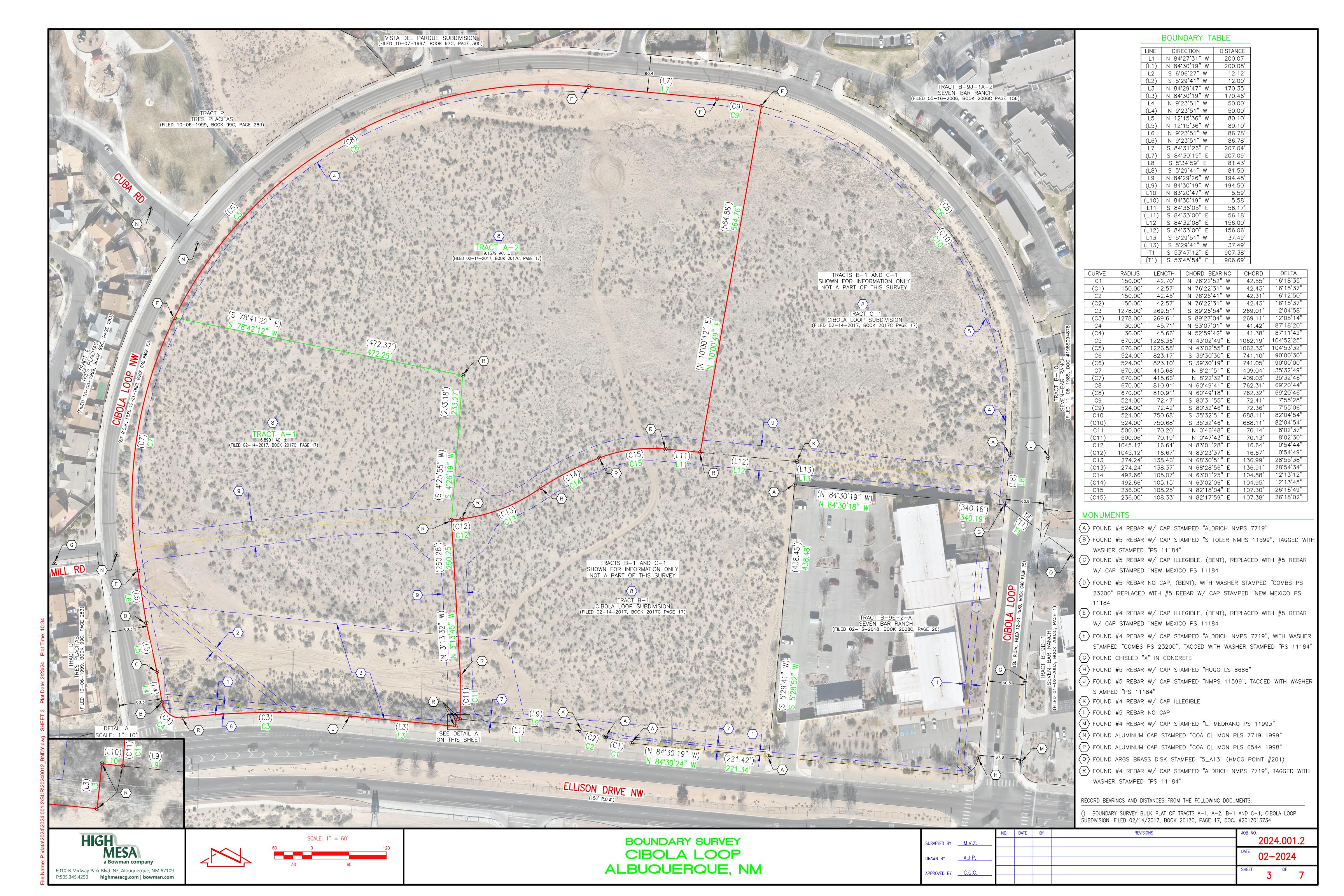
HIGH MESA a Bowman company 6010-B Midway Park Blvd. NE, Albuquerque, NM 87109 P:505.345.4250 **highmesacg.com | bowman.com** 

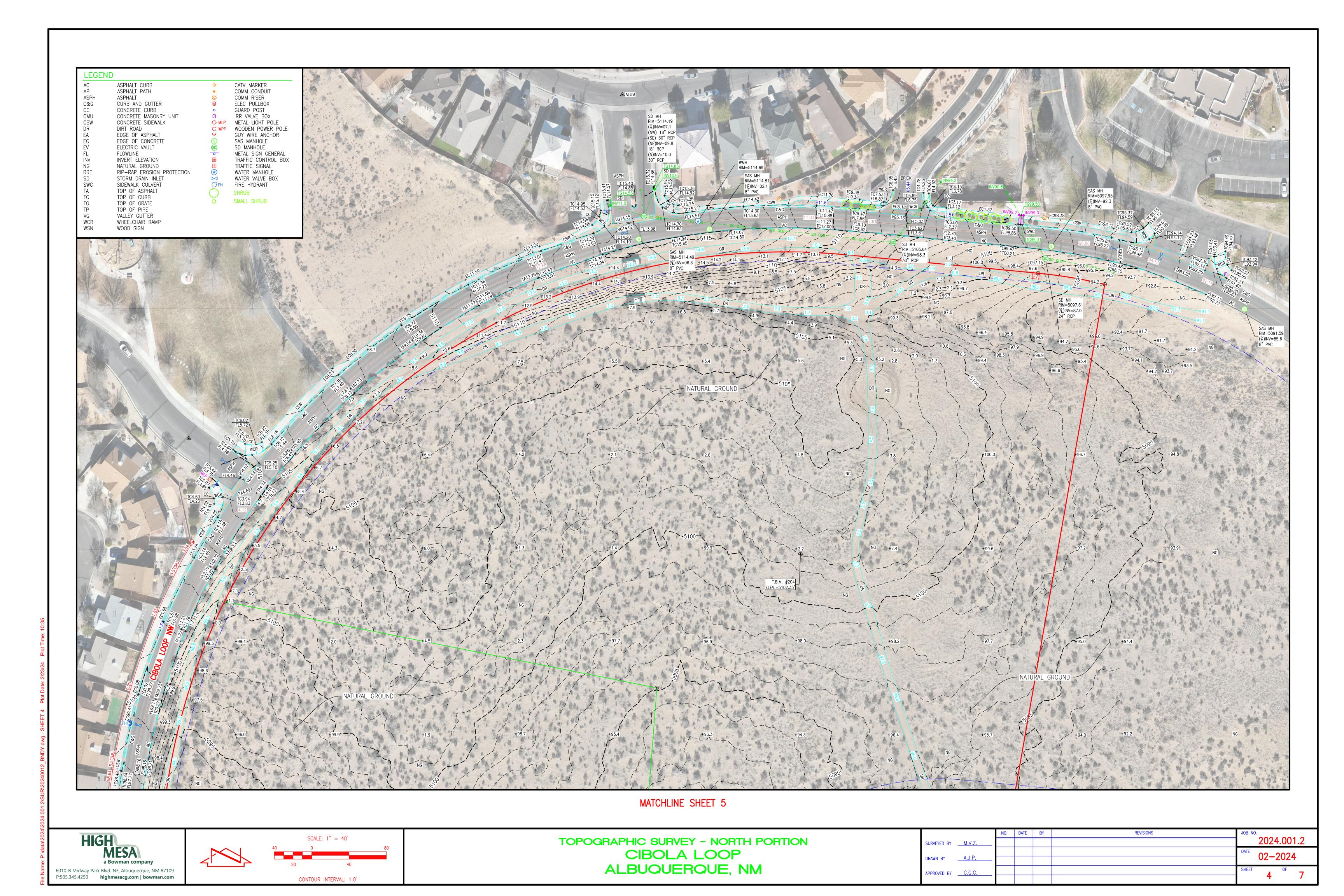
SCALE: 1" = 60'

DIGITAL ORTHOPHOTO CIBOLA LOOP ALBUQUERQUE, NM

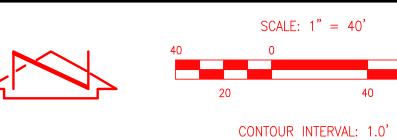
JOB NO. **2024.001.2** SURVEYED BY M.V.Z. DRAWN BY A.J.P. APPROVED BY C.G.C.

02-2024



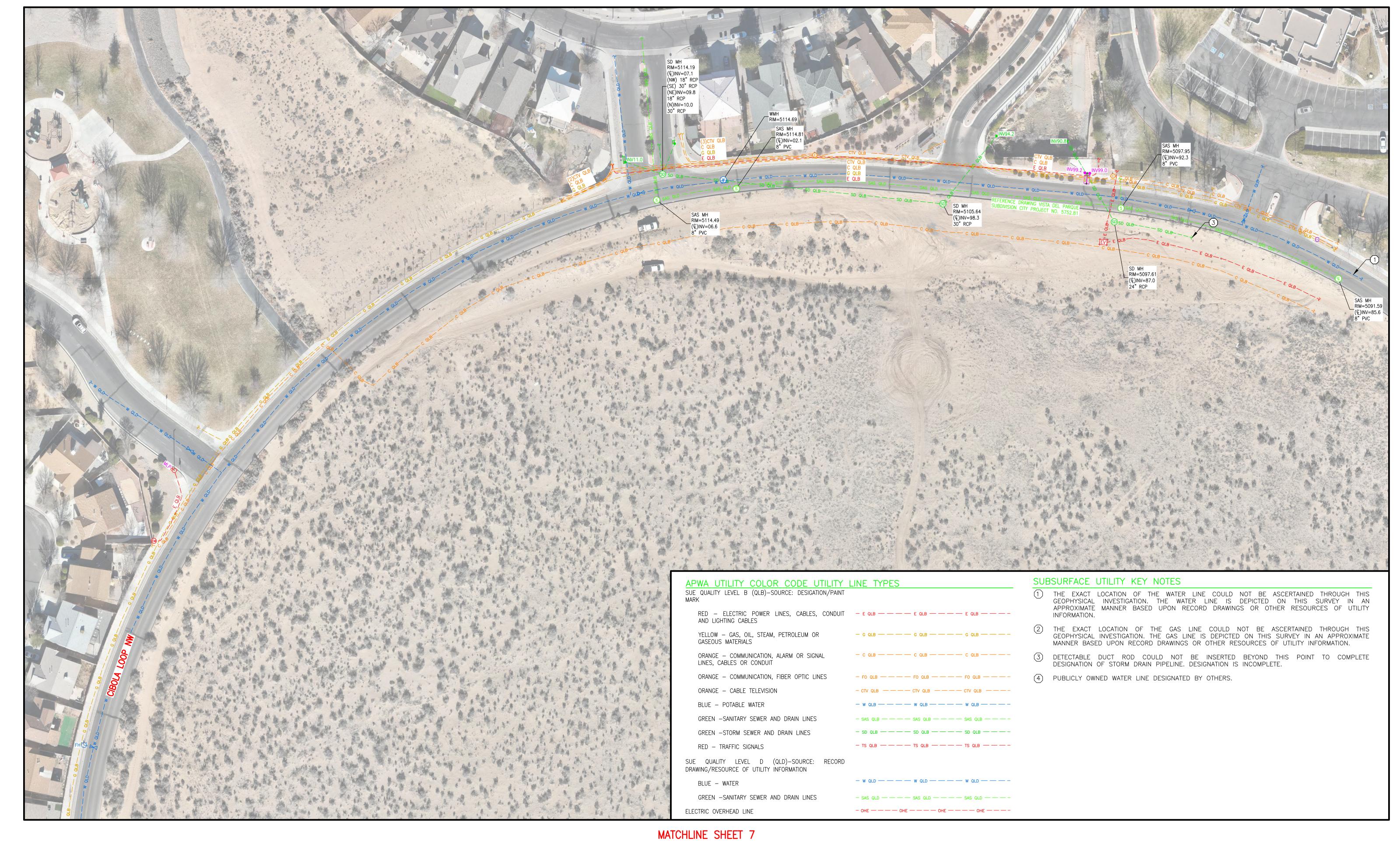






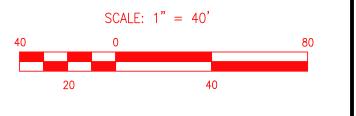
TOPOGRAPHIC SURVEY - SOUTH PORTION
CIBOLA LOOP
ALBUQUERQUE, NM

		NO.	DATE	BY	REVISIONS	JOB NO			
URVEYED BY	<u>M.V.Z.</u>						2024	<u>001</u>	1.2
						DATE	02-2	2024	
RAWN BY	A.J.P.						02-2	2024	
PPROVED BY	C.G.C.					SHEET		OF	7
							J		/





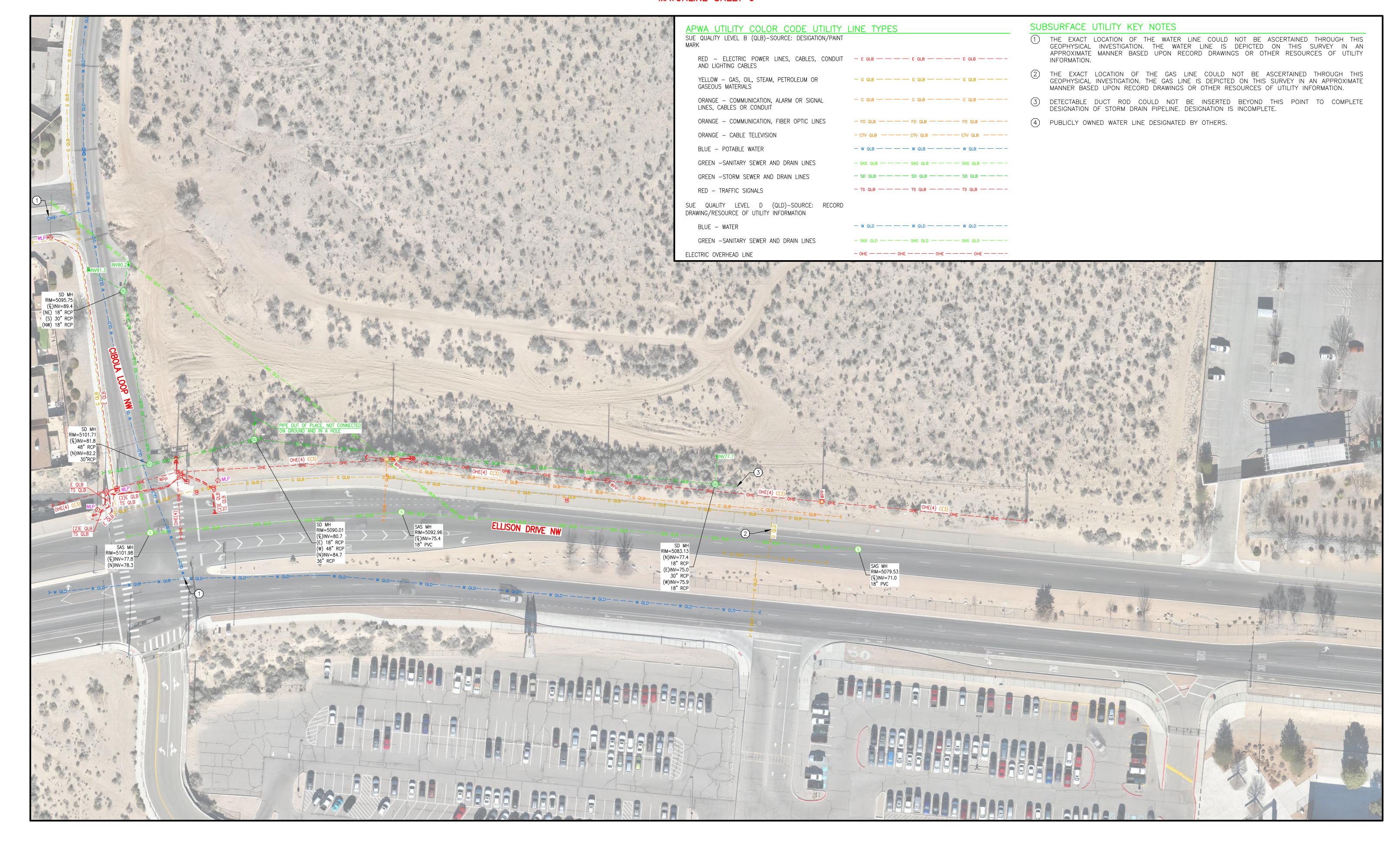




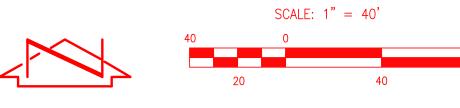
UTILITY SURVEY - NORTH PORTION CIBOLA LOOP ALBUQUERQUE, NM

	NO.	DATE	BY	REVISIONS	JOB NO		0.0	4 0
SURVEYED BY M.V.Z.						2024	·.00°	1.2
					DATE	02-2	2024	
DRAWN BY A.J.P.						02-2	2024	r
APPROVED BYC.G.C.					SHEET	6	OF	7
						O		/

#### MATCHLINE SHEET 6

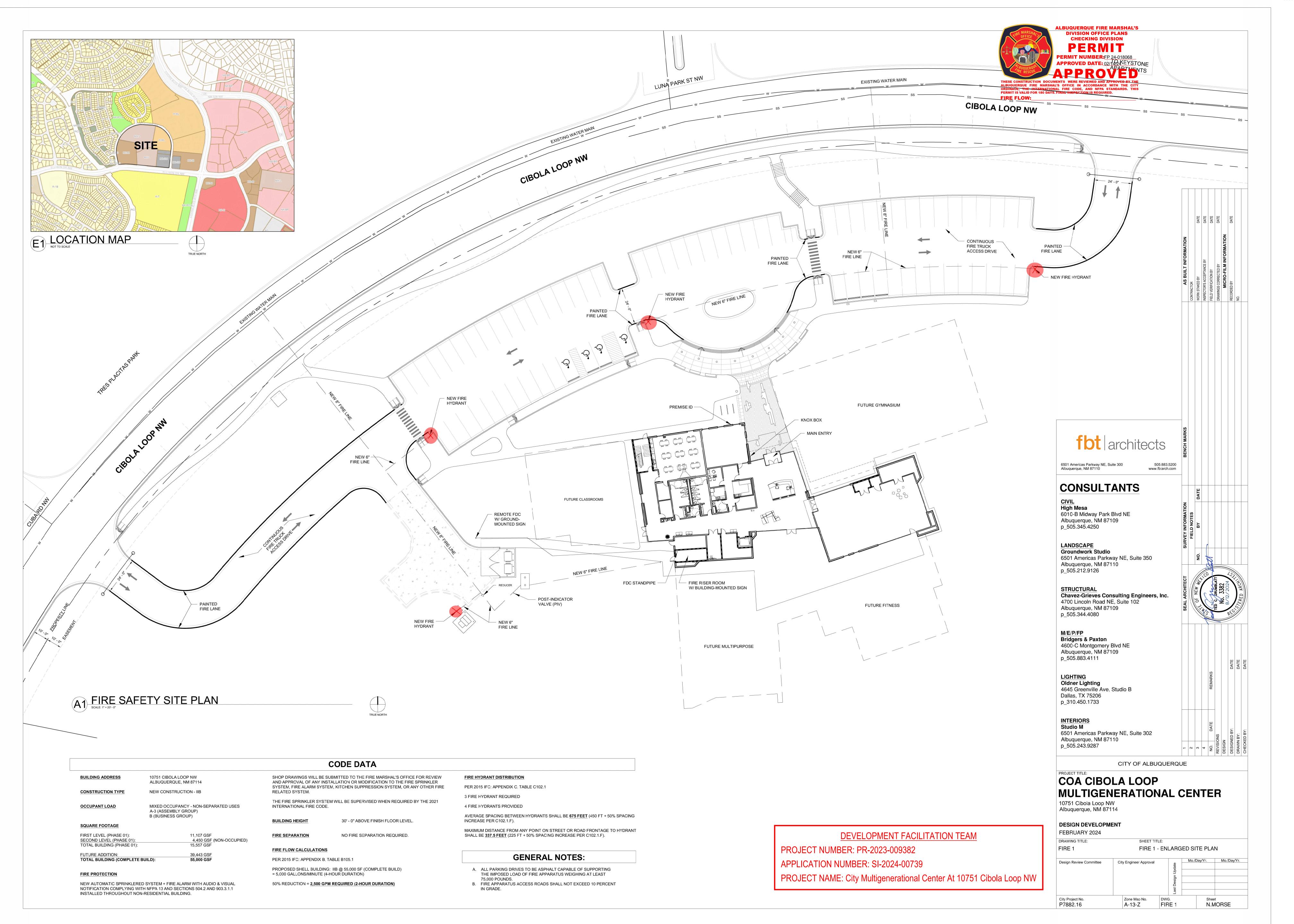


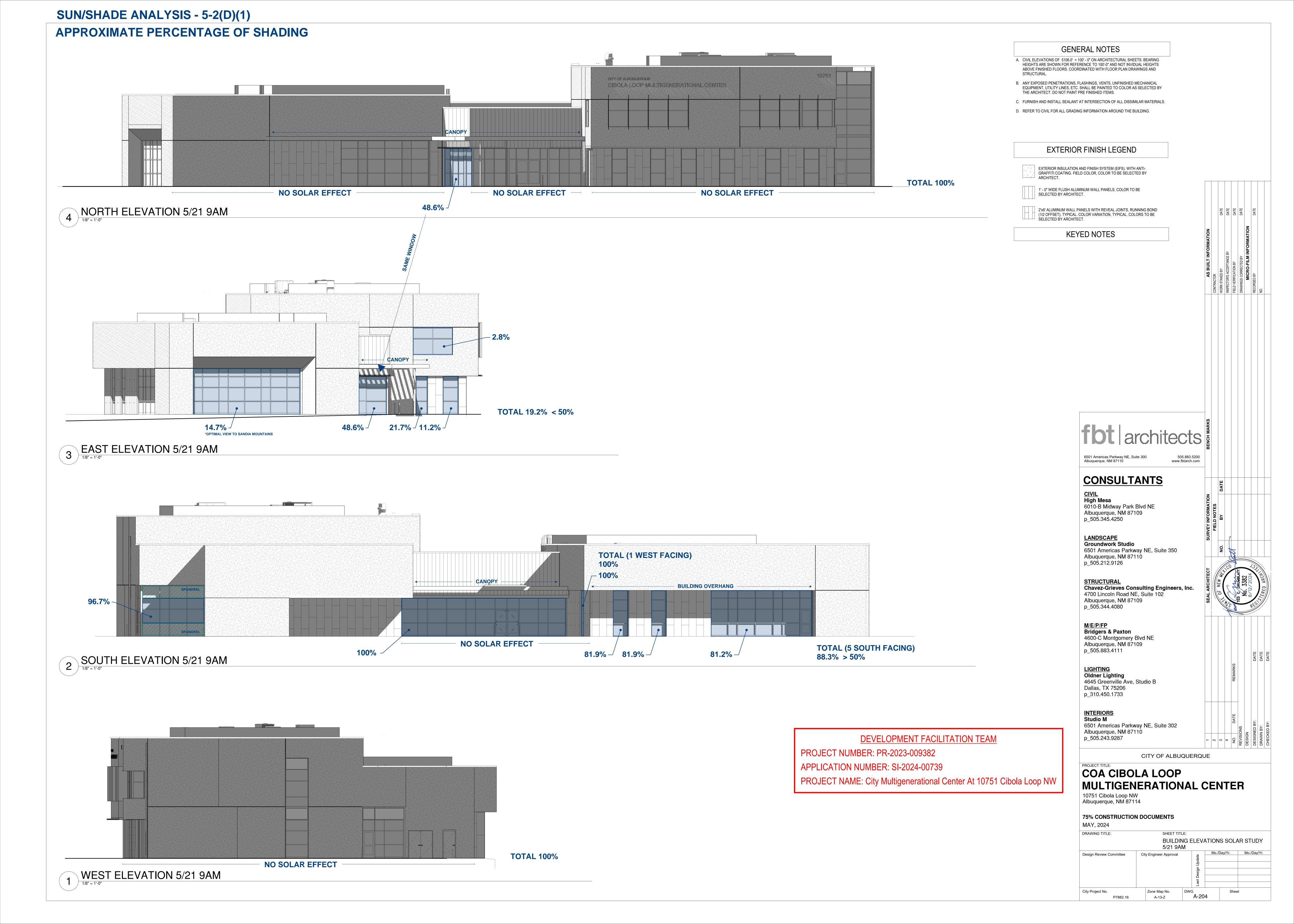


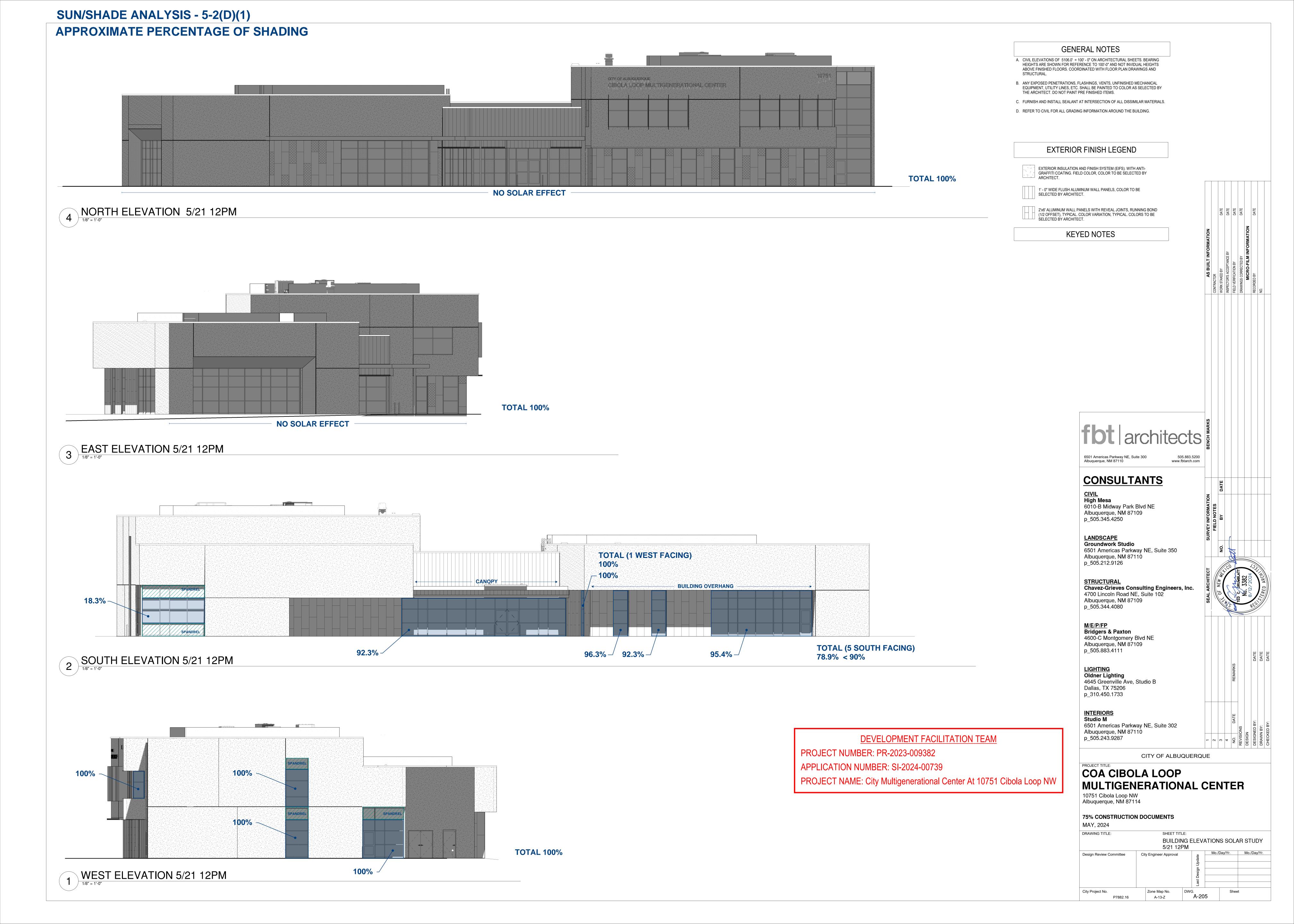


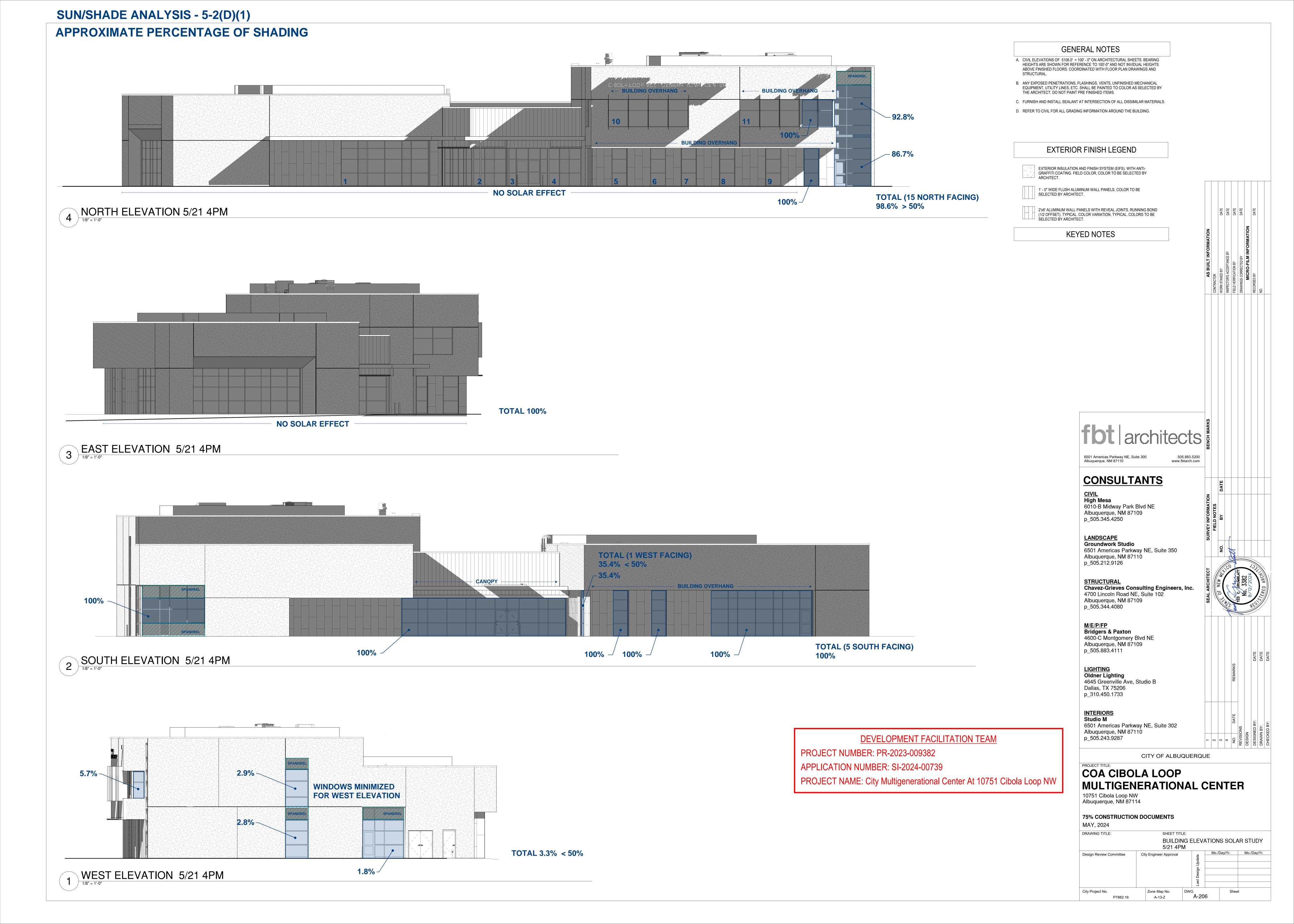


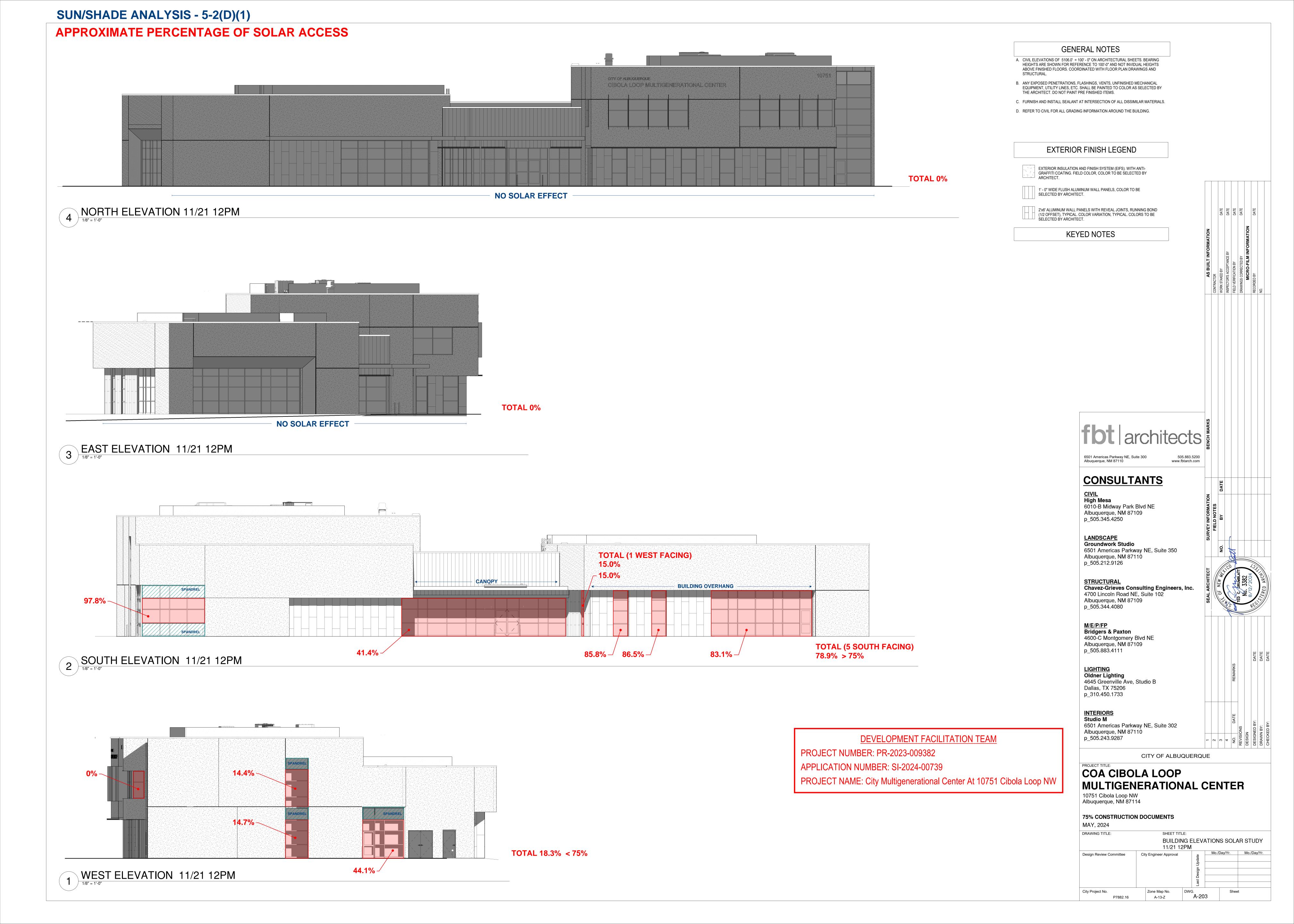
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		NO.	DATE	BY	REVISIONS	JOB NO.		
RVEYED BY	M.V.Z					2024.0	<u>)01.2</u>	<u>)</u>
						DATE OO OO	24	
AWN BY	<u>A.J.P.</u>					02-20	<b>1</b> 24	
PROVED BY	C.G.C.					SHEET 0	F 7	- 7
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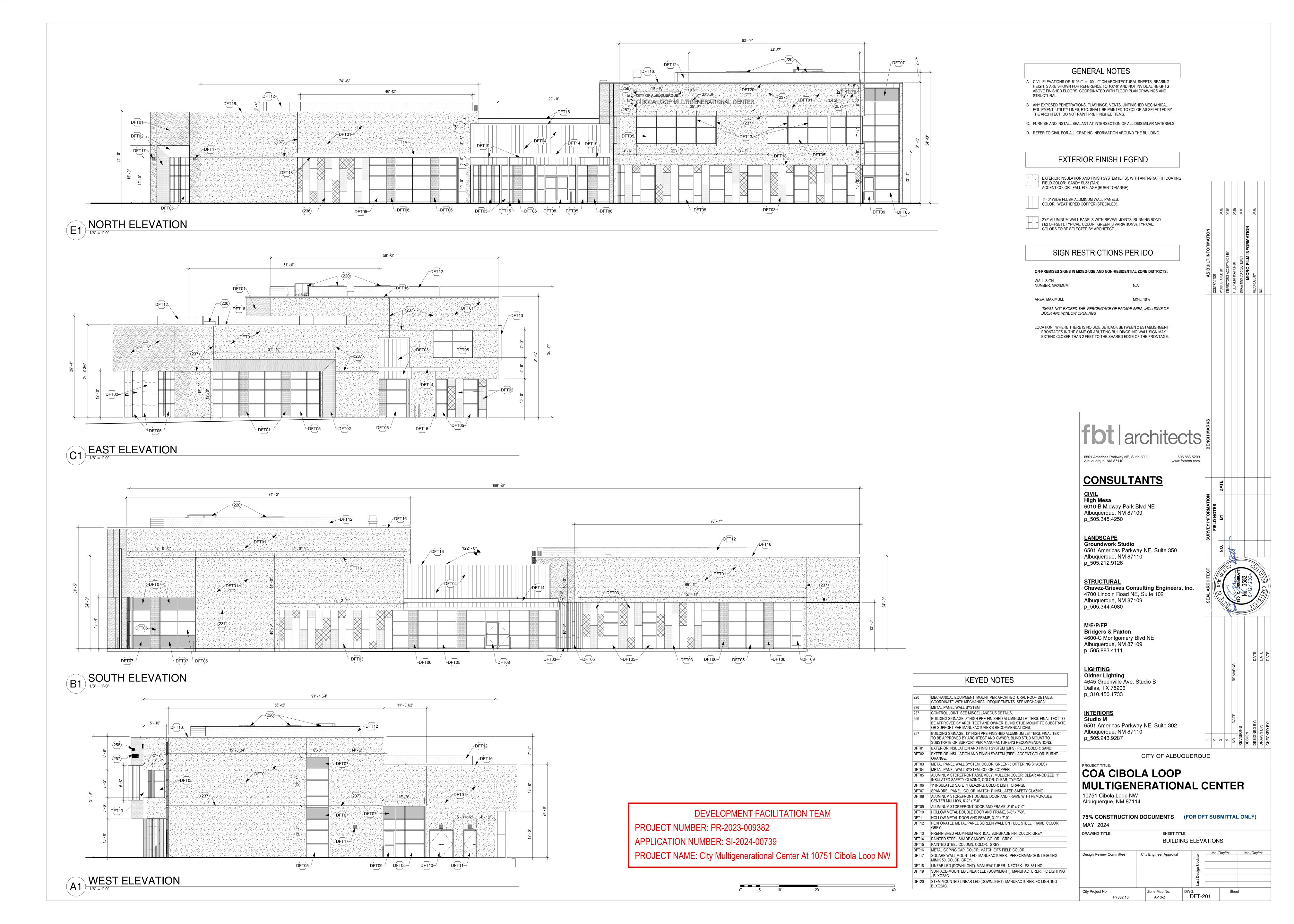












# 



- A. COORDINATE DUCT ROUTING AND EQUIPMENT INSTALLATION WITH STRUCTURAL PLANS, ARCHITECTURAL PLANS AND ELECTRICAL PLANS. GIVE SPECIAL ATTENTION TO STRUCTURAL BEAM ELEVATIONS, CEILING HEIGHTS, CABLE TRAYS, AND ROOF DRAIN LEADERS. SUBMIT 3D COORDINATION DRAWINGS FOR REVIEW PER SPECIFICATIONS 23 0500.
  B. ALL DUCT SIZES SHOWN ON THE DRAWING ARE NET INSIDE DIMENSIONS. SEE SPECIFICATION 230700 FOR INSULATION AND
- DIMENSIONS. SEE SPECIFICATION 230700 FOR INSULATION AND ACOUSTICAL LINING REQUIREMENTS.

  C. REFER TO SHEET M-501 FOR MECHANICAL DETAILS.

  D. CONTRACTOR SHALL PROVIDE COMPLETE HVAC MAINTENANCE FOR

THE FIRST YEAR AFTER CERTIFICATE OF OCCUPANCY AND ARE RESPONSIBLE FOR THE MAINTENANCE OF ALL INSTALLED HVAC UNITS FOR THE FIRST YEAR AFTER CERTIFICATE OF OCCUPANCY IS

ISSUED. REFER TO SPECIFICATION 23 0500.

#### **KEYED NOTES**

- CONDENSING UNIT INSTALLED ON ROOF SKID PER DETAIL C2/M-501. ROUTE REFRIGERANT PIPING TO ROOF PENETRATION HOUSING PER DETAIL A3/M-501. PROVIDE REFRIGERANT PIPING AND ALL ACCESSORIES FOR A COMPLETE AND FUNCTIONAL SYSTEM PER MANUFACTURER'S INSTALLATION MANUAL.
- ROOF PENETRATION HOUSING PER DETAIL A3/M-501.
   ROOFTOP AIR HANDLING UNIT PER EQUIPMENT SCHEDULE. INSTALL ON 24" HIGH ROOF CURB PER DETAIL C4/M-501.
- 4. ROOFTOP EXHAUST FAN PER EQUIPMENT SCHEDULE. INSTALL ON 24" HIGH ROOF CURB PER DETAIL B3/M-501.
- 5. 3"Ø WATER HEATER VENT AND COMBUSTION AIR PIPING. VENT PIPING MATERIAL SHALL BE STAINLESS STEEL DOUBLE-WALLED CATEGORY IV CONSTRUCTION. COMBUSTION AIR PIPING MATERIAL SHALL BE PVC SCHEDULE 40. SLOPE COMBUSTION AIR PIPING DOWN TOWARDS WATER HEATER PER MANUFACTURER'S INSTALLATION MANUAL. ALL JOINTS AND SEAMS MUST BE SEALED GAS TIGHT. INSTALL PER MANUFACTURER'S INSTALLATION MANUAL.



**CONSULTANTS** 

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BRIDGERS

#BRIDGERS

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BAG

BRIDGERS

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CITY OF ALBUQUERQUE

# COA CIBOLA LOOP MULTIGENERATIONAL CENTER

10751 Cibola Loop NW Albuquerque, NM 87114

CONSTRUCTION DOCUMENTS (FOR DFT SUBMITTAL ONLY)

June 07, 2024

DRAWING TITLE:

SHEET TITLE:

MECHANICAL ROOF PLAN

Design Review Committee

City Engineer Approval

Project No.

Zone Map No.

A-13-Z

Design Review Committee

Mo./Day/Yr.

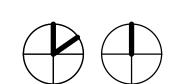
**DEVELOPMENT FACILITATION TEAM** 

PROJECT NUMBER: PR-2023-009382 APPLICATION NUMBER: SI-2024-00739

PROJECT NAME: City Multigenerational Center At 10751 Cibola Loop NW







TRUE NORTH PLAN NORTH

											RO	OOFTOP AIR H	ANDLING UNIT (G	AS/DX)														
							SUPPLY FA	N		COOLIN	IG PERF	DRMANCE BAS	SE ON 95 DEGREE	AMBIE	NT TEN	/IPERAT	ΓURE	GAS	HEAT EXCHANGER				FILTER			El	ECTRICA	AL
											EER	NET TOTAL	NET SENSIBLE	EAT	EAT	LAT	LAT			EAT	LAT	MINIMUM		OPERATING				
		TRANE					EXT. SP	FAN		NOMINAL	.   @	COOLING	COOLING	DB	WB	DB	WB	AT SEA LEVEL	AT ALTITUDE		DB	OUTSIDE		WEIGHT				
DIMENSIONS DATA	SYMBOL	MODEL NO.	TYPE	AREA SERVED	CFM	RPM	(IN. WC)	HP	DRIVE	(TONS)	AHRI	(MBH)	(MBH)	(°F)	(°F)	(°F)	(°F)	(MBH)	(MBH)	(°F)	(°F)	AIR (CFM)	TYPE	(LBS.)	V	PH   I	HZ MC	CA MOCP
53"W x 88"L x 51"T	RTU-1	YHJ102	VERTICAL SUPPLY/RETURN	113 MULTIPURPOSE	3650	1158	0.5	3	DIRECT	8.5	12.1	83.7	83.0	75	57	50	48	200	127.7	60	98	600	MERV 13	1300	460	3	<i>3</i> 0 2	25 30
53"W x 88"L x 51"T	RTU-2	YHJ072	VERTICAL SUPPLY/RETURN	113 MULTIPURPOSE	2280	861	0.5	3	DIRECT	6	12.1	62.9	57.9	79	60	51	49	150	95.7	55	101	550	MERV 13	1300	460	3	30 1	8 20
44"W x 70"L x 36"T	RTU-3	YHC048	VERTICAL SUPPLY/RETURN	1002 ENTRY LOBBY- SOUTH	1700	795	0.5	1	DIRECT	4	13.5	39.9	32.9	73	57	52	48	80	52.0	66	101	250	MERV 13	1100	460	3	30 1	1 15
53"W x 88"L x 51"T	RTU-4	YHJ072	VERTICAL SUPPLY/RETURN	1004/1005 CORRIDOR	2400	887	0.5	3	DIRECT	6	12.1	59.0	53.6	73	57	49	47	150	95.7	68	111	350	MERV 13	1300	460	3	30 1	8 20
44"W x 70"L x 36"T	RTU-5	YHC060	VERTICAL SUPPLY/RETURN	1002 ENTRY LOBBY- NORTH	2000	891	0.5	1	DIRECT	5	12.8	49.4	47.1	77	56	52	45	130	83.9	63	112	300	MERV 13	1100	460	3	30 1	2 15
44"W x 70"L x 36"T	RTU-6	YHC036	VERTICAL SUPPLY/RETURN	101 CLASSROOM	1080	738	0.5	.75	DIRECT	3	12.7	31.8	30.5	83	59	50	46	80	51.2	38	97	510	MERV 13	900	460	3	30 1	0 15
44"W x 70"L x 36"T	RTU-7	YHC036	VERTICAL SUPPLY/RETURN	107 CLASSROOM	1060	738	0.5	.75	DIRECT	3	12.7	31.7	31.5	83	58	49	45	80	51.2	38	97	560	MERV 13	900	460	3	1 0د	10 15
44"W x 70"L x 36"T	RTU-8	YHC036	VERTICAL SUPPLY/RETURN	102 ADMIN	1000	738	0.5	.75	DIRECT	3	12.7	31.8	30.5	79	59	50	46	80	51.2	50	97	310	MERV 13	900	460	3	1 0د	0 15

STANDARD ROOF CURB- MINUMUM 24" HIGH, INLET HOOD, STD REFRIG CONTROLS, FROSTAT AND CRANKCASE HEATER, PACKAGED LOW VOLT CONTROLS, 100% ECONOMIZER - DRY BULB, COMMUNICATIONS, STD. CONDENSOR COIL W/ HAIL GUARD, NON-POWERED CONVENIENCE OUTLET, STARTER/ DISCONNECT

													EX	HAUST	FANS								
	GREENHECK BOL MODEL NO. AREA SERVED  S.P. FAN S.P. FAN BHP HP VOLT PH HZ FLA 63 HZ 125 HZ 250 HZ 1000																						
SYMBO	MODEL NO.	AREA SERVED	TYPE	CFM	(IN. WC)	RPM	BHP	HP	VOLT	PH	HZ	FLA	63 HZ	125 HZ	250 HZ	Z 500 HZ	Z 1000 HZ	2000 HZ	Z 4000 HZ	8000 H	IZ WEIGHT	(LBS.)	NOTES
EF-1	GB-120-5	MAIN RESTROOM GROUPS	CENTRIFUGAL DOWNBLAST	1270	0.8	1528	0.32	1/2	115	1	60	9.8	72	75	80	73	65	65	60	57	100	0	PROVIDE 120V MOTORIZED DAMPER. INSTALL ON 24" ROOF CURB. REFER TO DETAIL B3/M-501.

						INDOOR	SPLIT SYSTEM SCH	EDULE								
	MITSUBISHI INDOOR MODEL  REFRIG AIRFLOW CAPACITY CAPACITY (BTUH) EAT DB EAT WB LEVEL  MOTOR DATA WEIGHT															
SYMBOL	NUMBER	AREA SERVED	TYPE	TYPE	(CFM)	(BTUH)	@ 17° F	(F)	(F)	(dBA)	EER/SEER	VOLT	PH	HZ	(LBS)	HEIGHT / WIDTH / DEPTH (IN)
AC-1	PKA-A36KA7	111 IT	HEAT PUMP	R-410A	920	36,000	22,400	80	67	49	10.8/18.8	208	1	60	46	46-1/16" X 11-5/8" X 14-3/8"
AC-2	PKA-A36KA7	108 ELECTRICAL	HEAT PUMP	R-410A	920	36,000	22,400	80	67	49	10.8/18.8	208	1	60	46	46-1/16" X 11-5/8" X 14-3/8"
AC-3	PKA-A18HA7	113A IT	HEAT PUMP	R-410A	425	18,000	11,300	80	67	43	9.9/18.5	208	1	60	30	35-3/8" X 9-13/16" X 11-5/8"
AC-4	PEAD-A36AA7	SECOND FLOOR SHELL	HEAT PUMP	R-410A	1200	36,000	20,800	80	67	42	12.0/19.1	208	1	60	86	55-1/8" X 28-7/8" X 9-7/8"

INDOOR UNIT SHALL BE ELECTRICALLY SERVED FROM THE OUTDOOR UNIT PER THE MANUFACTURER'S ELECTRICAL REQUIREMENTS AND DIAGRAMS. PROVIDE REFRIGERANT PIPING AND ALL ACCESSORIES FOR A COMPLETE AND FUNCTIONAL SYSTEM PER MANUFACTURER'S INSTALLATION MANUAL. PROVIDE WIRELESS T-STAT, CONDENSATE LIFT PUMP.

							OUT	TDOOR SPLIT	SYSTEM SCH	EDULE								
	MITSUBISHI				RATED			COM	PRESSOR DAT	ΓΑ		ELE	CTRICA	L DATA		SOUND		
	OUTDOOR		INDOOR UNIT		CAPACITY	AMBIENT		REFRIG.	MAX PIPING	LIQUID	SUCTION					<b>POWER</b>	WEIGHT	
SYMBOL	MODEL NUMBER	LOCATION	SERVED	TYPE	(BTUH)	DB (F)	TYPE	TYPE	LENGTH	SIZE	SIZE	VOLTS P	HZ	MCA	MOP	(dBA)	(LBS)	WIDTH X DEPTH X HEIGHT (IN.)
CU-1	PUZ-A36NKA7	ROOF	AC-1	HEAT PUMP	36,000	95	INVERTOR	R-410A	165'	3/8"	5/8"	208	60	25	31	52	215	41-5/16" X 14-3/16" X 52-11/16"
CU-2	PUZ-A36NKA7	ROOF	AC-2	HEAT PUMP	36,000	95	INVERTOR	R-410A	165'	3/8"	5/8"	208	60	25	31	52	215	41-5/16" X 14-3/16" X 52-11/16"
CU-3	PUZ-A18NKA7	ROOF	AC-3	HEAT PUMP	18,000	95	INVERTOR	R-410A	100'	1/4"	1/2"	208	60	11	28	46	100	34-1/4" X 11-13/16" X 24-13/16"
CU-4	PUZ-A36NKA7	ROOF	AC-4	HEAT PUMP	36,000	95	INVERTOR	R-410A	165'	3/8"	5/8"	208	60	25	31	52	215	41-5/16" X 14-3/16" X 52-11/16"

INDOOR UNIT SHALL BE ELECTRICALLY SERVED FROM THE OUTDOOR UNIT PER THE MANUFACTURER'S ELECTRICAL REQUIREMENTS AND DIAGRAMS. PROVIDE REFRIGERANT PIPING AND ALL ACCESSORIES FOR A COMPLETE AND FUNCTIONAL SYSTEM PER MANUFACTURER'S INSTALLATION MANUAL. PROVIDE WIND BAFFLE LOW AMBIENT KIT.
PROVIDE HAIL GUARD, FILTER SCREEN AND TRACK MOUNT SYSTEM BY AIR SOLUTIONS. INSTALL PER MANUFACTURER'S INSTALLATION MANUAL.

						E	ELECTRIC	UNIT H	IEATER	S				
				AIRFLOW			E	LECTF	RICAL D	ATA				
			AIRFLOW		WEIGHT									
SYMBOL	TRANE MODEL NO.	LOCATION	(CFM)	(°F)	(KW)	HP	RPM	V	PH	HZ	(A)	MOP	(LBS.)	NOTES
EUH-1	UHEC-031CACA	109 FIRE RISER	400	26	3	1/125	1550	277	1	60	11.9	15	30	PROVIDE HANGING BRACKET AND WALL MOUNTED THERMOSTAT
EUH-2	UHEC-031CACA	110 MECHANICAL	400	26	3	1/125	1550	277	1	60	11.9	15	30	PROVIDE HANGING BRACKET AND WALL MOUNTED THERMOSTAT
EUH-3	UHEC-031CACA	112 STORAGE	400	26	3	1/125	1550	277	1	60	11.9	15	30	PROVIDE HANGING BRACKET AND WALL MOUNTED THERMOSTAT

							ELE	CTRIC	CEILING	HEATER	
			AIRFLOW							WEIGHT	
SYMBOL	QMARK MODEL NO.	LOCATION	(CFM)	BTU/H	(KW)	V	PH	HZ	AMPS	(LBS.)	NOTES
ECH-1	EFF3007	1001 VESTIBULE	150	10,239	3	277	1	60	10.8	25	PROVIDE BUILT-IN THERMOSTAT. INSTALL PER MANUFACTURER'S INSTALLATION MANUAL MAINTAINING ALL MANUFACTURER'S REQUIRED CLEARANCES

		PIPE PENETR	ATION HOUSING											
SYMBOL	THE VAULT BOL MODEL NO. LOCATION UNITS SERVED NOTES													
PH-1	"AW" SERIES	SECOND FLOOR ROOF	CU-1. CU-2, CU-4	INSTALL PER DETAIL A3/M-501.										
PH-2	"AW" SERIES	MULTIPURPOSE ROOF	CU-3	INSTALL PER DETAIL A3/M-501.										

COORDINATE MODEL SIZE WITH NUMBER OF EXIT SEALS NEEDED. INSTALL PER MANUFACTURER'S INSTALLATION MANUAL.

CONTRACTOR SHALL PROVIDE COMPLETE HVAC MAINTENANCE FOR THE FIRST YEAR AFTER CERTIFICATE OF OCCUPANCY AND ARE RESPONSIBLE FOR THE MAINTENANCE OF ALL INSTALLED HVAC UNITS FOR THE FIRST YEAR AFTER CERTIFICATE OF OCCUPANCY IS ISSUED. REFER TO SPECIFICATION 23 0500.

ALL SELECTIONS ARE BASED ON

DEVELOPMENT FACILITATION TEAM

PROJECT NUMBER: PR-2023-009382

APPLICATION NUMBER: SI-2024-00739

PROJECT NAME: City Multigenerational Center At 10751 Cibola Loop NW

			T	GRILLES A	AND DIFFUSER	RS			
SYMBOL	MANUFACTURER & MODEL NO.	TYPE	FRAME STYLE	FACE DIMENSIONS (INCH)	NECK DIMENSIONS (INCH)	CFM RANGE	T.P. (IN. W.G.)	MAX NC	NOTES
	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	12x12, 24x24	6	40-130	0.02-0.06	24	
SD-1	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	12x12, 24x24	8	131-230	0.02-0.06	28	
30-1	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24x24	10	231-330	0.03-0.06	30	
	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24x24	12	331-430	0.03-0.06	30	
	PRICE SCDA, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	12x12, 24x24	6	40-130	0.02-0.09	30	PROVIDE OBD
SD-2	PRICE SCDA, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	12x12, 24x24	8	131-230	0.02-0.09	30	PROVIDE OBD
3D-2	PRICE SCDA, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24x24	10	231-330	0.02-0.08	30	PROVIDE OBD
	PRICE SCDA, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24x24	12	331-430	0.02-0.08	30	PROVIDE OBD
	PRICE RCDA	ROUND SUPPLY	FIXED CEILING	13	6	40-130	0.02-0.09	30	
SD 3	PRICE RCDA	ROUND SUPPLY	FIXED CEILING	18	8	131-230	0.02-0.09	30	
SD-3	PRICE RCDA	ROUND SUPPLY	FIXED CEILING	22	10	231-330	0.02-0.08	30	
	PRICE RCDA	ROUND SUPPLY	FIXED CEILING	27	12	331-430	0.02-0.08	30	
SR-1	PRICE 520	SIDEWALL SUPPLY	FLAT MARGIN	SEE PLAN	SEE PLANS	SEE PLANS	0.03-0.06	26	
SR-2	PRICE SDGE	DUCT SUPPLY	DUCT MOUNTED	SEE PLAN	SEE PLANS	SEE PLANS	0.03-0.06	26	PROVIDE AIR SCOOP
LSD-1	PRICE SDBI 100	LINEAR SUPPLY	TYPE 14 FRAME	4' LONG	10	SEE PLANS	0.03-0.06	30	4 SLOT, 1" SLOT, PROVIDE INSULATED PLENUM
LSD-2	PRICE SDBI 100	LINEAR SUPPLY	TYPE 2 FRAME	4' LONG	10	SEE PLANS	0.03-0.06	30	4 SLOT, 1" SLOT, PROVIDE INSULATED PLENUM
LSD-3	PRICE SDBI 75	LINEAR SUPPLY	TYPE 14 FRAME	3' LONG	8	SEE PLANS	0.03-0.06	30	3 SLOT, 3/4" SLOT, PROVIDE INSULATED PLENUM WITH CABLE OPERATED DAMPER, PRICE MODEL VCR85C.
LSD-4	PRICE SDBI 100	LINEAR SUPPLY	TYPE 2 FRAME	5' LONG	10	SEE PLANS	0.03-0.06	30	4 SLOT, 1" SLOT, PROVIDE INSULATED PLENUM WITH CABLE OPERATED DAMPER, PRICE MODEL VCR85C.
LSD-5	PRICE SDBI 100	LINEAR SUPPLY	TYPE 14 FRAME	4' LONG	10	SEE PLANS	0.03-0.06	30	4 SLOT, 1" SLOT, PROVIDE INSULATED PLENUM WITH CABLE OPERATED DAMPER, PRICE MODEL VCR85C.
LSD-6	PRICE SDBI 100	LINEAR SUPPLY	TYPE 2 FRAME	4' LONG	10	SEE PLANS	0.03-0.06	30	4 SLOT, 1" SLOT, PROVIDE INSULATED PLENUM WITH CABLE OPERATED DAMPER, PRICE MODEL VCR85C.
RG-1	PRICE 80	RETURN GRILLE	LAY-IN CEILING	24x24, 24x12, 12x12	SEE PLANS	-	N/A	N/A	
RG-2	PRICE 80	RETURN GRILLE	FIXED CEILING	24x24, 24x12, 12x12	SEE PLANS	-	N/A	N/A	
RG-3	PRICE 530	RETURN GRILLE	SIDEWALL	SEE PLAN	SEE PLANS	-	N/A	N/A	
EG-1	PRICE 80	EXHAUST GRILLE	LAY-IN CEILING	24x24, 24x12, 12x12	SEE PLANS	SEE PLANS	0.01-0.08	25	
EG-2	PRICE 80	EXHAUST GRILLE	FIXED CEILING	24x24, 24x12, 12x12	SEE PLANS	SEE PLANS	0.01-0.08	25	
EG-3	PRICE 530	EXHAUST GRILLE	SIDEWALL	SEE PLAN	N/A	SEE PLANS	0.01-0.08	25	PROVIDE OBD

fbt   architects	BENCH MARKS								
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CIVIL  Iigh Mesa  O10-B Midway Park Blvd NE  Albuquerque, NM 87109  _505.345.4250	SURVEY INFORMATION	FIELD NOTES	ВУ						
ANDSCAPE Groundwork Studio S501 Americas Parkway NE, Suite 350 Albuquerque, NM 87110 5_505.212.9126			NO.	IR.	M.	ES,			
Chavez-Grieves Consulting Engineers, Inc. The Property of the	SEAL ENGINEER	19	PRI	12	いちい	15	NO NO NO	/ ("EFF	/
M/E/P/FP Bridgers & Paxton 600-C Montgomery Blvd NE Albuquerque, NM 87109 505.883.4111  A600 C Montgomery Blvd. NE Albuquerque, NM 87109 505.883.4111 www.bpce.com							DATE	DATE	DATE
IGHTING Didner Lighting 645 Greenville Ave, Studio B Dallas, TX 75206 0_310.450.1733				REMARKS					
NTERIORS Studio M 501 Americas Parkway NE, Suite 302 Albuquerque, NM 87110				DATE	SNO	7	VED BY:	Z BY:	FD RY

CITY OF ALBUQUERQUE

MULTIGENERATIONAL CENTER

CONSTRUCTION DOCUMENTS (FOR DFT SUBMITTAL ONLY)

City Engineer Approval

Zone Map No.

A-13-Z

SHEET TITLE:

MECHANICAL SCHEDULES

DWG. M-701

Mo./Day/Yr. Mo./Day/Yr.

Sheet

p\_505.243.9287

10751 Cibola Loop NW Albuquerque, NM 87114

COA CIBOLA LOOP

PROJECT TITLE:

June 07, 2024

DRAWING TITLE:

City Project No.

Design Review Committee

P7882.16

Cibola Loop Multigenerational Center - North Entry





Cibola Loop Multigenerational Center - South Facade



