



# Historical Studies Research Design

---

## Reconnaissance Survey

**Project Name:** Central Business District (CBD) Phase IV: Oregon St., Kansas St., Campbell St., 6<sup>th</sup> Ave., and Father Rahm Ave.

**Project Limits:** Various Locations

**District(s):** El Paso District

**County(s):** El Paso County

**CSJ Number(s):** 0924-06-562

**Principal Investigator:** Heather Goodson

**Report Completion Date:** December 2019

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated 12-09-2019, and executed by FHWA and TxDOT.

This historical studies research design is produced for the purposes of meeting requirements under Section 106 of the National Historic Preservation Act, the Antiquities Code of Texas, and other cultural resource legislation related to environmental clearance as applicable.

## Table of Contents

Project Identification.....	4
Project Description.....	5
Project Setting/Study Area .....	6
Anticipated Section 106 Consulting Parties .....	6
Anticipated Project Stakeholders.....	7
Previously Designated Historic Properties and Evaluated Resources .....	8
Preliminary Assessment of Impacts to Historic Properties .....	9
Anticipated Survey Methods .....	10
Literature Review and Methodology.....	11
Preliminary Historical Context Outline .....	12
References Cited.....	19
Appendix A: Figures.....	21
Appendix B: Plan and Profile and Typical Sections.....	25

## Project Identification

- **Report Completion Date:** 12/30/2019
- **Anticipated Date(s) for Fieldwork:** January 2020
- **Anticipated Survey Type:**  Windshield  Reconnaissance  Intensive
- **Research Design Version:**  Draft  Final
- **Regulatory Jurisdiction:**  Federal  State
- **TxDOT Contract Number:** Not applicable
- **District or Districts:** El Paso District
- **County or Counties:** El Paso County
- **Highway or Facility:** Central Business District (CBD) Phase IV:  
Oregon St., Kansas St., Campbell St., 6<sup>th</sup> Ave.,  
and Father Rahm Ave.
- **Proposed Project Limits:** Various Limits
- **Main CSJ Number** 0924-06-562
- **Anticipated Report Author(s):** Heather Goodson, Maryellen Russo, Rebecca Wallisch, and Mikayla Brown – Blanton & Associates
- **Anticipated Principal Investigator:** Heather Goodson – Blanton & Associates
- **Anticipated List of Preparers:** Heather Goodson, Maryellen Russo, Rebecca Wallisch, and Mikayla Brown (Historians); Josh Hamilton (GIS); Marjorie Saylor (Technical Editor)

## Project Description

- **Project Type:** Roadway Construction, Parking Improvements, Roadway Reconstruction, ADA Improvements, Parkway Improvements, Bicycle Improvements, and Sidewalk Improvements

- **Proposed Project Activities:**

The City of El Paso, in cooperation with the Texas Department of Transportation (TxDOT) El Paso District, proposes to reconstruct the roadway and make other improvements in various locations on Oregon Street, Kansas Street, Campbell Street, 6<sup>th</sup> Avenue, and Father Rahm Avenue in El Paso, El Paso County, Texas. Please see TxDOT ECOS for a detailed project description. See **Figures 1 and 2** for project location and **Figure 3** for the proposed project's Area of Potential Effects (APE).

- **Total Project Length:** Approximately 1.8 miles
- **New Right of Way (ROW):** None
- **Permanent Easement Acreage:** None
- **Temporary Easement Acreage:** None
- **Recommended Area of Potential Effects (APE):**

- Existing ROW
- 150' from Proposed ROW and Easements
- 300' from Proposed ROW and Easements
- Custom:

Parcels immediately adjacent to the locations where the proposed project activities would occur.

- **Anticipated Historic-Age Survey Cut-Off Date:** 1975
- **Study Area Scope:** 1,300 feet from APE

## **Project Setting/Study Area**

- **Current Land Use**

The proposed project is located in southern El Paso at the edge of the historic commercial core, between the U.S. border with Mexico and downtown El Paso. The project area is generally characterized by historic and non-historic age commercial development along each of the streets on which the proposed project activities would occur. A church and parking lots are interspersed among the commercial buildings. There are also multi-family residential properties and a school at the eastern edge of the project. Another school and a large supermarket are located at the southeast end of the project along Kansas and Campbell Streets near the rail yard. Based on preliminary review of aerial and historic photographs and background information, there are historic-age properties within the APE of the proposed project.

- **Natural Environment**

The study area is within the Trans-Pecos Natural Region of western Texas. A portion of this region is also part of the Chihuahuan Desert. The Rio Grande flows through El Paso and is the boundary to the south and southwest between the United States and Mexico. This area is characterized by desert grasslands and scrub brushes. In addition, the semi-arid climate of El Paso with a lack of precipitation creates an environment for dry, loose soil, frequent dust storms, and strong winds.

## **Anticipated Section 106 Consulting Parties**

- **Proposed Public Involvement Outreach Efforts:**

Per 36 CFR 800.2, TxDOT “should plan consultations appropriate to the scale of the undertaking and the scope of Federal involvement and coordination with other requirements of other states, as applicable.” Additionally, consulting parties as outlined in 36 CFR 800.2 include the State Historic Preservation Office (SHPO), local government representatives, and other individuals and organizations.

For this proposed undertaking, the consulting parties are those who may have concerns about properties within the APE of the project and TxDOT’s compliance with Section 106. These include the Texas SHPO and the El Paso County Historical Commission (CHC). El Paso is also a Certified Local Government (CLG) community in the project area.

Any comments received from the CHC or CLG Representative in B&A’s initial outreach will be noted in the Historic Resources Survey Report (HRSR). In coordinating the project under Section 106, TxDOT may continue consultation with the CHC and CLG, and initiate consultation with the Texas SHPO. Any comments received from the CHC, CLG, and Texas SHPO will be considered in the project planning process.

- **Potential Consulting Parties:**

Justin Kockritz  
Texas Historical Commission  
P.O. Box 12276  
Austin, TX 78711  
Phone: 512-463-5851  
Email: justin.kockritz@thc.texas.gov

Barbara Welch  
El Paso CHC  
708 Camino Real Ave.  
El Paso, TX 79922  
Phone: 915-867-5664  
Email: obscuredjinn@gmail.com

Providencia Velazquez  
City of El Paso, HPO  
801 Texas Ave., 2<sup>nd</sup> Floor  
El Paso, TX 79901  
Phone: 915-212-1567  
Email: velazquezPX@elpasotexas.gov

## **Anticipated Project Stakeholders**

B&A is not aware of any anticipated project stakeholders other than the potential Section 106 consulting parties noted above.

## Previously Designated Historic Properties and Evaluated Resources

### ▪ Previously Evaluated Historic Resources

One property within the APE has been previously determined NRHP-eligible:

- Commercial Building located at the southwest corner of the intersection of El Paso St. and E. Father Rahm Ave.

Within the study area there are three buildings and one 1936 Centennial Marker that have been determined eligible for NRHP listing, as follows:

- Commercial Building located at the southwest corner of the intersection of El Paso St. and E Paisano Dr.
- Commercial Building located at the northeast corner of the intersection of El Paso St. and E Paisano Dr.
- Residence located at the southwest corner of the intersection of S Florence St. and E Paisano Dr.
- 1936 Centennial Marker commemorating Stage Station at the southeast corner of the intersection of S El Paso St. and E Overland Ave.

The APE is within the boundaries of the previously determined eligible Local Potential El Segundo Barrio Historic District. One contributing property to the historic district is located within the APE as follows:

- Commercial Building located at the northwest corner of the intersection of El Paso St. and E. Father Rahm Ave.

There are four other contributing properties to the previously determined eligible Local Potential El Segundo Barrio Historic District within the study area but not within the APE, as follows:

- Commercial Building located at the southwest corner of the intersection of El Paso St. and W 3<sup>rd</sup> Ave.
- Commercial Building located at the northwest corner of the intersection of El Paso St. and W 3<sup>rd</sup> Ave.
- Commercial Building located at the southeast corner of the intersection of E 3<sup>rd</sup> Ave and S Stanton St.
- Commercial Building located at the southwest corner of the intersection of E 3<sup>rd</sup> Ave and S Stanton St.

The previously determined eligible Local Potential Downtown Historic District is partially within the study area. There is one contributing property to the historic district located within the study area – Dave’s Pawn Shop, located at 216 S El Paso St.

▪ **Previously Designated Historic Properties**

Within the study area there are twelve buildings listed in the NRHP:

- Silver Dollar Café, located at 1021 S Mesa St.
- Toltec Club, located at 602 Magoffin Ave.
- El Paso U.S. Courthouse, located at 511 W San Antonio Ave.
- Caples, Richard Building, located at 300 E San Antonio Ave.
- Popular Department Store, located at 102 N Mesa St.
- Abdou Building, located at 115 N Mesa St.
- Hills, W.S., Commercial Structure, located at 215-19 San Antonio Ave.
- Plaza Hotel, located at the intersection of Oregon and Mills Sts.
- First Mortgage Company, located at 109 N Oregon St.
- State National Bank, located at 114 E San Antonio Ave.
- Hotel Paso del Norte, located at 115 El Paso St.
- Palace Theatre, located at 209 S El Paso St.

None of these properties fall within the proposed project’s APE.

▪ **Previously Designated Historic Districts**

While the boundaries of the NRHP-listed El Paso County Water Improvement District No. 1 Historic District intersect the proposed project’s APE, there are no contributing properties to the historic district within the APE or study area. The NRHP-listed Franklin Canal Historic District is partially located within the study area but it does not fall within the APE.

## **Preliminary Assessment of Impacts to Historic Properties**

▪ **Description of Impacts**

There is one previously determined NRHP-eligible property and one contributing property to the previously determined eligible Local Potential El Segundo Barrio Historic District within the project’s APE. However, it is not anticipated the proposed project would pose

direct adverse effects to the properties or historic district. Building protection notes at each property's location are warranted to avoid direct adverse effects. B&A will provide the building protection notes for incorporation into the project design plans. It is not anticipated the proposed project activities would pose indirect visual, auditory, or cumulative effects to the properties or the historic district. If field investigations reveal the presence of additional NRHP-eligible or NRHP-listed properties within the APE, the assessment of impacts would be provided as appropriate in the HRSR.

## Anticipated Survey Methods

- **Anticipated Surveyors:** Heather Goodson and Mikayla Brown
- **Methodology Description**

Because the project meets Appendix 6 of the Section 106 Programmatic Agreement among the Federal Highway Administration (FHWA), TxDOT, SHPO, and the Advisory Council on Historic Preservation Regarding the Implementation of Transportation Undertakings (PA-TU), a reconnaissance-level historic resources survey is required to identify and evaluate historic properties within the APE and determine potential effects to historic properties.

B&A will survey and document historic-age resources constructed in or before 1975 that are within the APE. Based on preliminary review of secondary source material, including current and historic aerial photography and topographic maps, it is anticipated that there are mostly commercial and residential properties within the APE with religious and educational properties interspersed among them. Per TxDOT guidance, B&A will take at least two photographs of each resource, including both primary façade and a side elevation.

In cases where vegetation, fencing, lack of access, or safety concerns limit or prohibit photographic documentation, B&A will provide the best view available from the public ROW and provide aerial photographs for further documentation of the resource. When photographic documentation is limited or prohibited, B&A will note this on the survey forms.

- **Compliance with TxDOT Standards Statement**

B&A will complete the historic resources survey in accordance with TxDOT Environmental Affairs Division's (ENV) *October 2017 Documentation Standard and Report Template for Preparing a Historic Resources Survey Report*.

## Literature Review and Methodology

### ▪ Research to Date

B&A consulted the THC's Texas Historic Sites Atlas to identify any previously identified historic resources listed on the NRHP or designated as National Historic Landmarks (NHLs), RTHLs, or standing structure State Antiquities Landmarks (SALs). B&A also consulted TxDOT's Historic Properties and Districts Map Database and TxDOT's Historic Bridges of Texas Map Database. The results of these reviews were discussed above.

B&A also conducted research at the following repositories and websites:

#### **Dolph Briscoe Center for American History**

- *El Pasoans: Life and Society in Mexican El Paso, 1920-1945*
- *City at the Pass: illustrated history of El Paso*
- *El Paso: A Borderlands History*
- *El Paso: guided through time*
- *Geography of El Paso*
- *Texas 1936 Centennial Celebration: official publication*
- Vertical Subject File: El Paso TX – Historic Buildings

#### **Online Sources**

- THC *Texas Historic Sites Atlas* website
- Historic and current maps gathered from HistoricAerials.com, the Texas State Library and Archives Commission Map Collection, the University of Texas Perry-Castañeda Library's Map Collection, and the U.S. Geological Survey (USGS)
  - HistoricAerials.com images
    - Aerial photographs from 1946, 1955, 1967, 1991, 1996, 2003, 2004, 2008, 2010, 2012, 2014, and 2016
    - Topographic maps from 1941, 1942, 1943, 1945, 1948, 1959, 1968, 1975, 1994, 1999, 2012, and 2016
  - University of Texas Perry-Castañeda Library's Map Collection
    - Sanborn Fire Insurance Maps from 1883, 1885, 1888, 1893, 1898, 1900, 1902, 1905, 1908, and 1927
  - USGS aerial photography from 1942, 1946, 1950, 1963, 1964, 1974, and 1991
- Google.com aerial photography from 2007 to 2017

- National Park Service Bulletins
  - *How to Apply the National Register Criteria for Evaluation*
  - *How to Complete the National Register Registration Form*
- **Proposed Literature Review**

El Paso Public Library, Main Library

- Border Heritage Southwest Collection and Center
- *La Chihuahuita*
- *Dates and Events in Chihuahuita History*
- *El Segundo Barrio*
- *El Paso*
- *Tenacious Immigrants: Crossing the Border, 1880-1930*
- *Memory Fever: A Journey Beyond El Paso del Norte*
- *The Land Where We Live: El Paso del Norte*
- *The Pass of the North and the Creation of the US*
- Historical Maps Collection 1711-1965: El Paso Maps

The Border Heritage Southwest Collection and Center in the Main Library also has a collection of vertical files B&A will review during onsite research. This collection does not have an online public catalog.

B&A will contact the City of El Paso Historic Preservation Officer to inquire about information from a comprehensive survey of the El Segundo Barrio that may have previously been conducted. B&A will also conduct a search for any studies, surveys, or other documentation on similar historic properties by other SHPOs and DOTs.

## **Preliminary Historical Context Outline**

*Both the anticipated areas and periods of significance are subject to change after field investigations are complete.*

**Anticipated Areas of Significance:** Community Planning and Development

**Anticipated Periods of Significance:** ca. 1893 to 1975

The begin date coincides with the estimated date of earliest historic resource in the proposed project's APE. The Sacred Heart Church was founded in 1893 in the Segundo Barrio neighborhood (within the project's APE). The end date coincides with the survey cut-off date.

## Historical Context

### *Community Planning and Development (ca. 1893 to 1975)*

Situated in the western-most portion of Texas, El Paso was separated from Santa Fe County in 1850 when the Texas legislature divided the area into four separate counties. San Elizario was chosen as the county seat with a population of 1,200.<sup>1</sup> A few years later in 1858, Anson Mills established a property that he named “El Paso,” which caused great confusion as the city across the Rio Grande was named El Paso del Norte (later changed to Ciudad Juarez in the decades following). Continuing conflicts with Mexico following the Mexican War caused the United States to establish a firm boundary between Texas, New Mexico, and the country of Mexico. The Rio Grande was the dividing line between northern Mexico and southern El Paso County.

El Paso County originally thrived on an agriculturally-driven economy.<sup>2</sup> The Civil War and the racially-driven Salt War of Elizario in 1877 impacted the settlement, economy, and agricultural endeavors in El Paso. El Paso’s economy transformed significantly in the following years due, in part, to the construction of railroads in the early 1880s. Four railroads laid tracks through the city, and El Paso became a hub for international travel and trade.<sup>3</sup> El Paso was selected as the county seat in 1883.

A direct line to the West Coast also helped the City of El Paso become a continental crossroads. Augustus Koch’s illustration entitled *Bird’s Eye View of El Paso* in 1886 shows just how close the railroad lines were to both the Rio Grande, downtown El Paso, and the Segundo Barrio neighborhood (project area). The illustration also highlights increased urban development. In 1887, Mayor R. C. Lightbody and city council members divided El Paso into four barrios (meaning ward in Spanish) for voting distinctions. The Segundo Barrio (the project area) was established as the second ward in the city. The district was bordered by the Rio Grande to the south, Paisano Drive to the north, and Santa Fe and El Paso Streets to the west. This area was characterized by overgrown thickets, mosquitos, and adobe shacks.<sup>4</sup> From downtown, residents and visitors traveled down what is now South El Paso Street (within the APE) to the Rio Grande and southern railroad tracks on a dirt trail. Families set up small establishments in the Segundo Barrio

---

<sup>1</sup> Conrey Bryson, “El Paso County,” *Handbook of Texas Online*, <https://tshaonline.org/handbook/online/articles/hce05>, accessed July 1, 2019.

<sup>2</sup> El Paso County had more than 12,000 acres of corn, 17,000 acres of wheat, in addition to a growing stock industry in 1860. W.H. Timmons, “El Paso, TX,” *Handbook of Texas Online*, <https://tshaonline.org/handbook/online/articles/hde01>, accessed July 1, 2019.

<sup>3</sup> The four railroads include the Southern Pacific, Galveston, Harrisburg and San Antonio, and the Santa Fe, Texas and Pacific Railways.

<sup>4</sup> Leon Metz, *El Paso: Guided Through Time* (El Paso, TX: Mangan Books, 1999), 145-146.

to cater to these travelers. Uncle Jack's and the Boss Saloon reportedly sold beer and other grocery items.<sup>5</sup>

Though farmers continued to rebuild the agricultural industry in El Paso County, urban manufacturing increased at a faster rate than agricultural pursuits.<sup>6</sup> The economic boom in the late 1800s brought many travelers to the city. El Paso slowly transitioned from an agriculturally-driven economy to a bustling metropolis. Downtown El Paso was lined with saloons, brothels, and even gambling halls in the 1880s and 1890s. The city developed a reputation as "Sin City" as lawlessness pervaded in El Paso. At the time, city officials played into the idea of "Sin City" and profited from such vice-driven establishments.

One argument for the lack of morality in El Paso was due to the lack of churches in the area. Those wanting to attend a Catholic mass had to cross the Rio Grande to El Paso del Norte until the establishment of Sacred Heart Church and School in the Segundo Barrio in 1893 (within the APE at the intersection of E 4<sup>th</sup> St. and S Oregon St.). Father Carlos Pinto opened Sacred Heart Church in an effort to serve the growing Mexican population in El Paso. By 1899, the school added a second floor to make more classroom space. That year, there were 400 students attending Sacred Heart School, many of whom were from Juarez, across the Rio Grande.<sup>7</sup>

As development continued in the Segundo Barrio and the overgrown thickets started to vanish in the early 1900s, the barrio was further split into two distinct neighborhoods, South El Paso (Segundo Barrio) and Chihuahuita. By 1909, the second ward had its own trolley (running along present-day Oregon St. in the project area) and a few paved roads. Despite the attempt to improve the Segundo Barrio, many families lived in homes with dirt flooring, thatched roofs, and no windows.

In 1910, El Paso County had over 52,500 residents.<sup>8</sup> Many families fled Mexico during the Mexican Revolution in 1910, which contributed to the city's rapid population growth. These families moved into Chihuahuita and the Segundo Barrio to seek refuge from the conflict in Mexico. In fact, this area became known as the "Ellis Island of the Border" as it was the most prominent gateway from Mexico into the United States.

---

<sup>5</sup> Ibid, 147.

<sup>6</sup> In 1890 there were 73 manufacturers in the county, a significant increase from the four establishments just ten years prior. In addition, the population in El Paso had increased to over 10,000, nearly half of the total population of El Paso County. Bryson, "El Paso County."

<sup>7</sup> Manuel Ramirez, "El Pasoans: Life and Society in Mexican El Paso, 1920-1945," (PhD dissertation, University of Mississippi, 2000).

<sup>8</sup> "Texas Almanac: Population History of Counties from 1850 to 2010," [Texasalmanac.com](https://texasalmanac.com/sites/default/files/images/topics/ctypophistweb2010.pdf), <https://texasalmanac.com/sites/default/files/images/topics/ctypophistweb2010.pdf>, accessed July 1, 2019.

Refugees constructed jacals, homes made from mud and wood.<sup>9</sup> This type of housing was easy to build and could endure the arid climate in El Paso. Between 1916 and 1918, there was a mass construction of tenement housing, called presidios, in the second ward. At first, these homes were built for workers of the Union Sugar Beet Company and Western Sugar Beet Company.<sup>10</sup> Not long after, however, the housing was used for permanent barrio residents in response to the onslaught of incoming Mexican refugees. Tenement housing was akin to apartment housing and could hold more people in smaller locations. This housing was constructed with brick and each apartment had one or two small rooms. Families shared a community bathroom that was often located outside of the tenement.

In 1925, the El Paso City Planning Commission published the Kessler Report with suggestions for beautification efforts and how to increase urban development and tourism in the city.<sup>11</sup> In the report, the Segundo Barrio was noted as having deplorable housing and health conditions. The ward was overcrowded, and residents lived in unsanitary housing conditions. Those who could afford it moved north toward the center of El Paso. Though city officials recognized the unsafe housing conditions in the second ward, they did little to improve them. However, in 1931, the city council ordered the demolition of thirteen tenements as they were deemed too unsafe for dwelling.<sup>12</sup> City council members urged tenement housing owners to improve the living conditions for residents, but safe-housing regulations were rarely enforced. In addition, the Kessler Report provided recommendations to make other changes in southern El Paso. One recommendation was to zone part of Chihuahuita and the western portion of the Segundo Barrio for commercial construction and light manufacturing facilities.<sup>13</sup>

With little to no help from city officials to aid in improving their living situation, Mexican families started to establish themselves in the second ward by opening their own schools, churches, and businesses. From the early to mid-1900s on S El Paso St. (all within the project area), Ramon Armendariz operated the largest meat market and grocery in the second ward; Alfonso Casasola owned a Photo Studio; and Isidoro Lawrence opened the Panaderia Nacional Mexicana (Mexican National Bakery). The Orizaba Hotel and at least three additional Mexican markets served the needs of the

---

<sup>9</sup> Texas Department of Transportation, *A Journey Through Chihuahuita*, Austin, TX: 2018.

<sup>10</sup> Ramirez, 77.

<sup>11</sup> "City of El Paso, Texas Comprehensive Plan," available at [http://legacy.elpasotexas.gov/muni\\_clerk/agenda/03-06-12/03061213%20-%20Part%202.pdf](http://legacy.elpasotexas.gov/muni_clerk/agenda/03-06-12/03061213%20-%20Part%202.pdf), accessed July 2, 2019.

<sup>12</sup> Ramirez, 80.

<sup>13</sup> Sandra Enriquez, "El Barrio Unido Jamas Sera Vencido!: Neighborhood Grassroots Activism and Community Preservation in El Paso, Texas," (PhD dissertation, University of Houston, 2016) 80.

Segundo Barrio residents.<sup>14</sup> With a variety of businesses, schools, and churches, the Segundo Barrio essentially became self-sufficient.

In addition, the Salvation Army built a shelter for homeless men on S Oregon St. (within the project area) during the mid-1900s. That same facility later provided medical and child care services to second ward residents. At the intersection of Fourth and Kansas Sts. (within the project's APE), the first Mexican Baptist Church opened and just slightly south down the road the Lydia Patterson Institute established a training school for Mexican preachers. On S Campbell St. (also within the APE) the Charity Association of El Paso offered free medical assistance to nearby residents. In 1933, the El Paso Boys Club supported young teens at their facility near 5<sup>th</sup> and Florence Sts., and Bowie High School opened that same year a few blocks nearby.<sup>15</sup> El Segundo Barrio became the center of Mexican life in El Paso.

By 1940, the City of El Paso had zoned most of the second ward for commercial and industrial use, especially near the southern portion bordering the Rio Grande, to clean up the community. That year, El Paso received federal funds to create a Housing Authority. In 1940, the Alamito Housing Project built 349 dwelling units, a park, and a library in the Segundo Barrio.<sup>16</sup> Those efforts could not keep up with the needs of the growing residential population in the following years, however. The Bracero Program, which started in 1942, was a series of agreements between the United States and Mexico that allowed Mexican immigrants the opportunity to work in the United States on short-term labor contracts.<sup>17</sup> These contracts meant that many workers were entering the U.S. through the Segundo Barrio. Tenements continued to provide unsanitary and unsafe housing, and residents had few alternative options. The area was also overrun with gang activities from the boogies, zoot-suiters, and pachucos gangs.

Several newspapers in El Paso noted that the adobe housing in the second ward housed more than eight people to a room with an "appalling lack of bathtubs, showers, toilets, and faucets."<sup>18</sup> The City of El Paso built two federally funded housing projects to replace some of the sub-standard developments in the barrio, but with a population of 50,000 in one square mile of the neighborhood, this project did little to help the massive

---

<sup>14</sup> Metz, 152-154.

<sup>15</sup> Ibid, 154-159.

<sup>16</sup> City of El Paso, "El Segundo Barrio: Neighborhood Revitalization Strategy," Community and Human Development Department, Neighborhood Services Division (El Paso, TX: 2010), [https://www.elpasotexas.gov/~media/files/coep/community%20and%20human%20development/plans/elsegundobarrio\\_neighrevitalizationstrategy.ashx?la=en](https://www.elpasotexas.gov/~media/files/coep/community%20and%20human%20development/plans/elsegundobarrio_neighrevitalizationstrategy.ashx?la=en), accessed July 2, 2019.

<sup>17</sup> W.H. Timmons, *El Paso: A Borderlands History* (El Paso, TX: Texas Western Press, 1990), 245-246. See also, Fred Koestler, "Bracero Program," *Handbook of Texas Online*, <https://tshaonline.org/handbook/online/articles/omb01>, accessed July 3, 2019.

<sup>18</sup> Timmons, 247.

number of residents in the area.<sup>19</sup> By 1950, the population in El Paso had grown to over 130,400 residents.<sup>20</sup> The El Segundo Barrio also had one of the highest infant mortality rates in the United States due to the distressing and unsanitary housing and streets.<sup>21</sup>

Father Harold Rahm arrived in the barrio in 1952. As a Jesuit priest, Father Rahm traveled throughout the city and helped cut down the gang activity by preaching about social justice and putting an end to violence. He also helped open youth centers in the barrio. In the decades following, the Segundo Barrio voted to rename 5<sup>th</sup> Street to Father Rahm Avenue in honor of his contributions to the neighborhood.

Living conditions in the Segundo Barrio did not improve. In the 1960s, city officials frequented the barrio and forced owners to make improvements to tenements. In 1963, the Chamizal Treaty transferred approximately 600 acres of land from the United States to Mexico to end a near-century long dispute over the territory.<sup>22</sup> This displaced a number of families who ended up moving into the Segundo Barrio and Chihuahuita. A number of small shops cropped up that catered to the needs of southern El Paso residents, including restaurants and bakeries, entertainment centers, and barbershops.<sup>23</sup> By the mid-1960s, the Segundo Barrio was a combination of dilapidated housing, small shops, and a few commercial structures.<sup>24</sup>

In the late 1960s and early 1970s, the Chicano movement swept through the Segundo Barrio. Young residents organized to fight for social betterment.<sup>25</sup> Organizations like the Mexican American Youth Association (MAYA) and the Mexican American Committee of Honor and Service (MACHOS) found ways to preserve the culture of the Segundo Barrio while making improvements within the neighborhood. Part of their movement called for painting the interior and exterior of walls, installing neighborhood lighting, developing parks and playgrounds, and the improvement and refurbishment of tenement housing while maintaining the residential character of the Segundo Barrio. These organizations also worked to create community gardens and murals in celebration of the barrio's culture and heritage.

---

<sup>19</sup> Metz, 152.

<sup>20</sup> See Chapter Nine, *Ibid.*

<sup>21</sup> City of El Paso, "El Segundo Barrio: Neighborhood Revitalization Strategy," 11.

<sup>22</sup> Gladys Gregory and Sheldon Liss, "Chamizal Dispute," *Handbook of Texas Online*, <https://tshaonline.org/handbook/online/articles/nbc01>, accessed July 3, 2019. See also Leon Metz, *City at the Pass: An Illustrated History of El Paso* (Woodland Hills, CA: Windsor Publications, 1980) 83-84.

<sup>23</sup> Enriquez, 95.

<sup>24</sup> Enriquez, 84.

<sup>25</sup> Arnaldo De Leon, "Chicano," *Handbook of Texas Online*, <https://tshaonline.org/handbook/online/articles/pfc02>, accessed July 3, 2019.

Since the 1980s, the City of El Paso has made several zoning laws and procured funding to improve the sidewalks, street lighting, and landscaping in southern El Paso.<sup>26</sup> Housing continued to be the main concern for residents in the area. In the early 1990s when property owners started to use and sell residences for commercial development, the City Council approved zoning laws that mandated that only thirty percent of apartment buildings could be used for commercial development.<sup>27</sup>

Today, the Segundo Barrio in El Paso is still predominantly occupied by Hispanic families. Over 498 of the housing options in the neighborhood were built prior to 1939, though the city has continued to make plans for infrastructure improvements.<sup>28</sup> Review of historic aerial photographs indicates much of the tenement and adobe housing constructed in early 1900s (within the APE) is still standing. Some of this housing has been rehabilitated and/or replaced with more modern apartment housing, though many residents have made small modifications to their homes to retain the original character. In 2017, El Paso had an estimated population of 683,577, and trends suggest that the city will continue to expand in the coming years.<sup>29</sup> The *Plan for El Paso*, a twenty-five-year revitalization plan for the Segundo Barrio (set for completion in 2025) intends to preserve the residential character of the barrio while limiting commercial encroachment.<sup>30</sup>

---

<sup>26</sup> City of El Paso, "El Segundo Barrio: Neighborhood Revitalization Strategy," 13.

<sup>27</sup> Ibid.

<sup>28</sup> "Segundo Barrio Neighborhood in El Paso, Texas, 79901 Detailed Profile," City-data.com, <http://www.city-data.com/neighborhood/Segundo-Barrio-El-Paso-TX.html>, accessed July 2, 2019.

<sup>29</sup> "Population Estimates of Texas Cities, 2010-2017," *Texas State Library and Archives Commission*, <https://www.tsl.texas.gov/ref/abouttx/popcity6.html>, accessed July 2, 2019.

<sup>30</sup> The plan also includes the promotion of mixed-use development, continued beautification of the downtown area, and finding ways to preserve historic districts in the Segundo Barrio. City of El Paso, "El Segundo Barrio: Neighborhood Revitalization Strategy," 14-16.

## References Cited

- Bryson, Conrey. "El Paso County." *Handbook of Texas Online*. Accessed July 1, 2019. <https://tshaonline.org/handbook/online/articles/hce05>.
- City of El Paso. "El Segundo Barrio: Neighborhood Revitalization Strategy." Community and Human Development Department, Neighborhood Services Division. El Paso, TX: 2010. Accessed July 2, 2019. Available at [https://www.elpasotexas.gov/~media/files/coep/community%20and%20human%20development/plans/elsegundobarrio\\_neighrevitalizationstrategy.ashx?la=en](https://www.elpasotexas.gov/~media/files/coep/community%20and%20human%20development/plans/elsegundobarrio_neighrevitalizationstrategy.ashx?la=en).
- "City of El Paso, Texas Comprehensive Plan." Accessed July 2, 2019. Available at [http://legacy.elpasotexas.gov/muni\\_clerk/agenda/03-06-12/03061213%20-%20Part%202.pdf](http://legacy.elpasotexas.gov/muni_clerk/agenda/03-06-12/03061213%20-%20Part%202.pdf).
- De Leon, Arnoldo. "Chicano." *Handbook of Texas Online*. Accessed July 3, 2019. <https://tshaonline.org/handbook/online/articles/pfc02>.
- Enriquez, Sandra. "El Barrio Unido Jamas Sera Vencido: Neighborhood Grassroots Activism and Community Preservation in El Paso, Texas." PhD Dissertation, University of Houston, 2016.
- Gregory, Gladys and Sheldon Liss. "Chamizal Dispute." *Handbook of Texas Online*. Accessed July 3, 2019. <https://tshaonline.org/handbook/online/articles/nbc01>.
- A Journey Through Chihuahueta*. Austin, TX: Texas Department of Transportation, 2018. Accessed July 1, 2019. Available at <https://ftp.dot.state.tx.us/pub/txdot-info/env/toolkit/env-0348058-history-outreach-brochure.pdf>.
- Koestler, Fred. "Bracero Program." *Handbook of Texas Online*. Accessed July 3, 2019. <https://tshaonline.org/handbook/online/articles/omb01>.
- Metz, Leon. *El Paso: Guided Through Time*. El Paso, TX: Mangan Books, 1999.
- "Population Estimates of Texas Cities, 2010-2017." *Texas State Library and Archives Commission*. Accessed July 2, 2019. <https://www.tsl.texas.gov/ref/abouttx/popcity6.html>.
- Ramirez, Manuel. "El Pasoans: Life and Society in Mexican El Paso, 1920-1945." PhD Dissertation, University of Mississippi, 2000.
- "Segundo Barrio Neighborhood in El Paso, Texas, 79901 Detailed Profile." City-data.com. Accessed July 2, 2019. Available at <http://www.city-data.com/neighborhood/Segundo-Barrio-El-Paso-TX.html>.

“Texas Almanac: Population History of Counties from 1850 to 2010.” Texasalmanac.com.  
Accessed July 1, 2019. Available at  
<https://texasalmanac.com/sites/default/files/images/topics/ctypophistweb2010.pdf>.

Timmons, W.H. *El Paso: A Borderlands History*. El Paso, TX: Texas Western Press, 1990.

\_\_\_\_\_. “El Paso, TX.” *Handbook of Texas Online*. Accessed July 1, 2019.  
<https://tshaonline.org/handbook/online/articles/hde01>.

## Appendix A: Figures



MEXICO

— Project Location



1:24,000

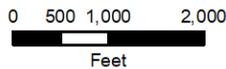
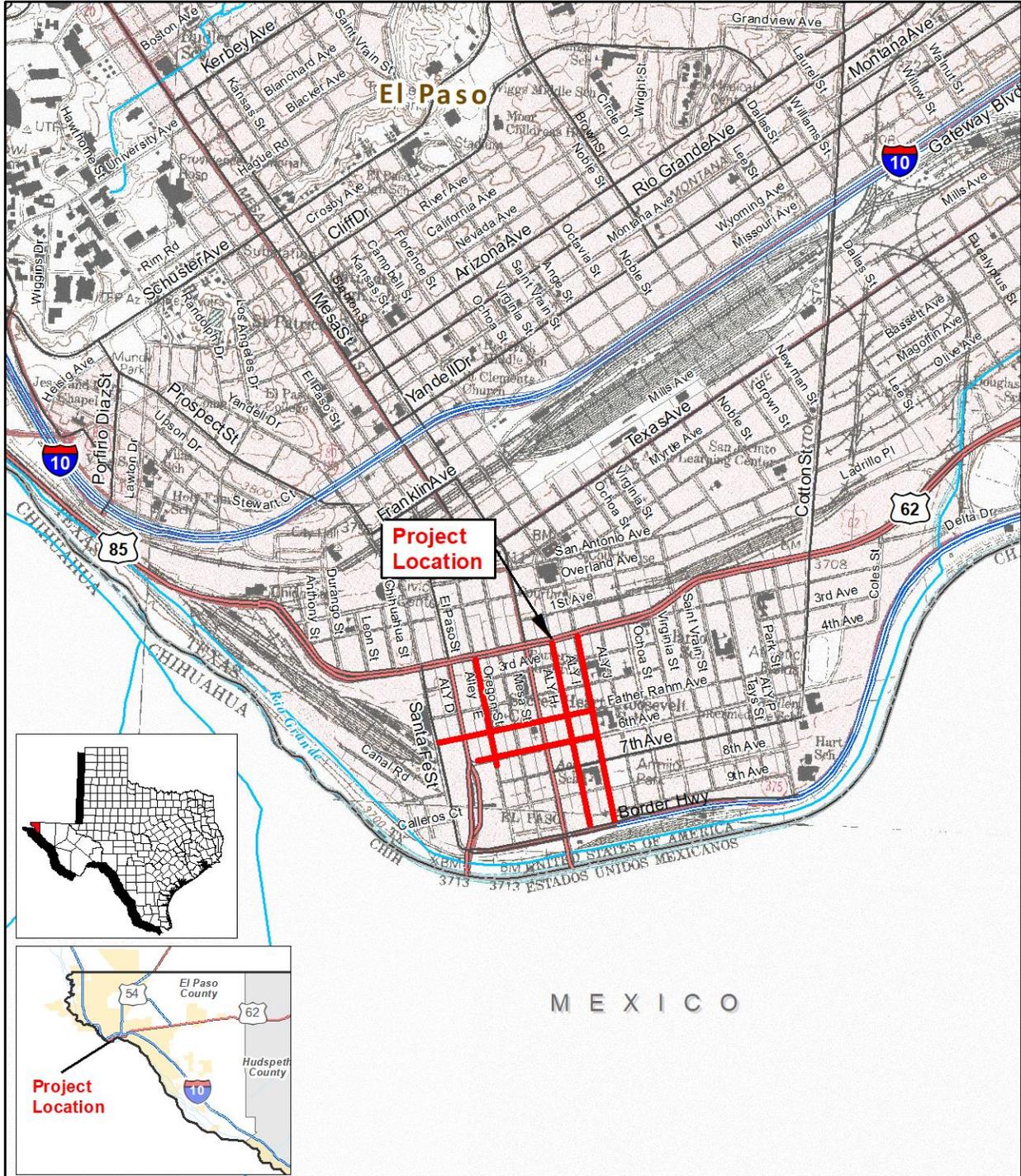


Figure 1  
 Project Location on County Map Base  
 Central Business District (CBD)  
 Phase IV: Oregon Street, Kansas Street,  
 Campbell Street, 6th Avenue, and  
 Father Rahm Avenue  
 El Paso County, Texas  
 CSJ: 0924-06-562



Base Map: 7.5' USGS Topographic Quadrangles:  
El Paso, Texas (1973 El Paso, Map ID No.31106-G4)

— Project Location



1:24,000

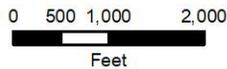
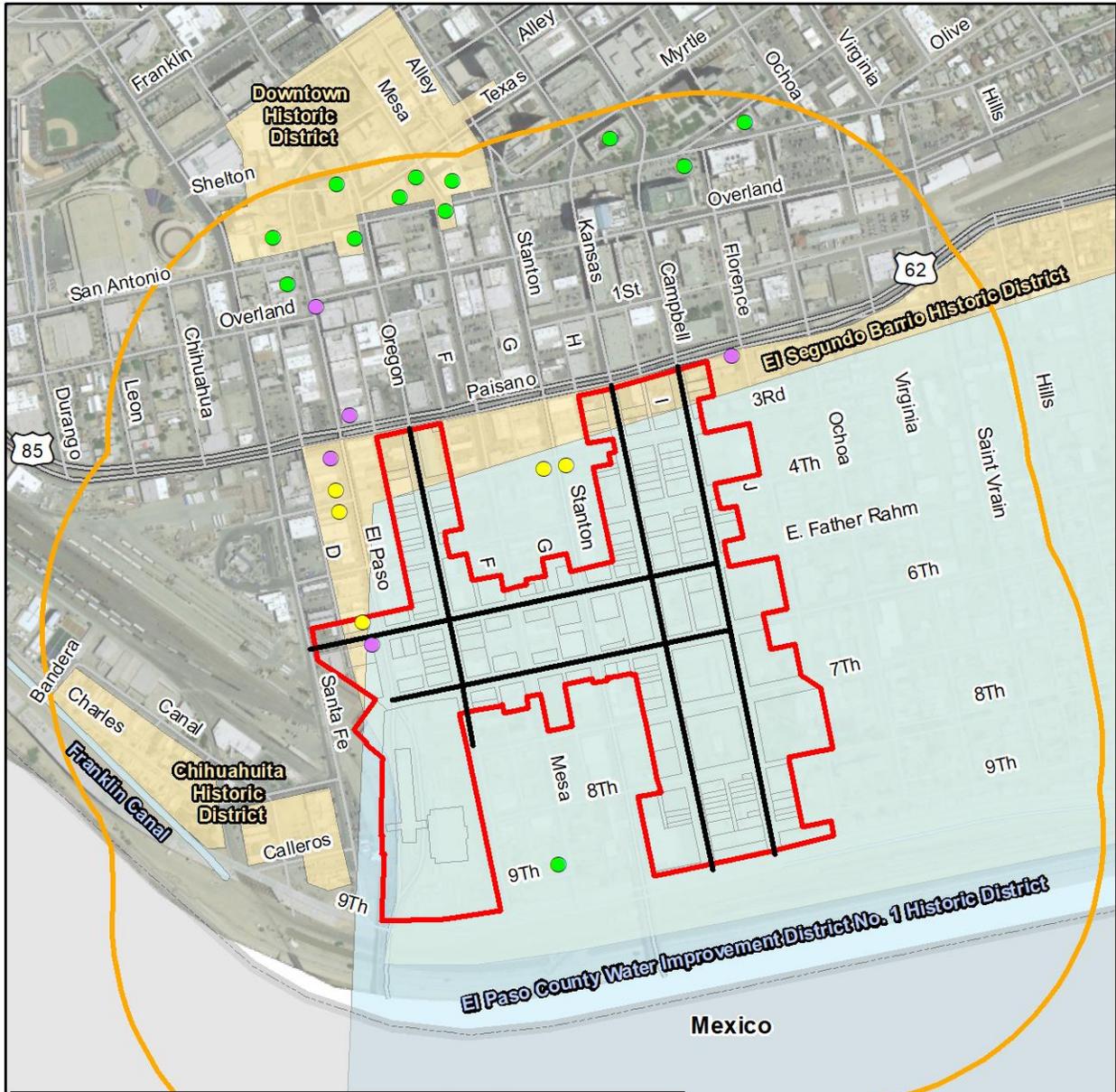


Figure 2  
Project Location on Topographic Map  
Central Business District (CBD)  
Phase IV: Oregon Street, Kansas Street,  
Campbell Street, 6th Avenue, and  
Father Rahm Avenue  
El Paso County, Texas  
CSJ: 0924-06-562



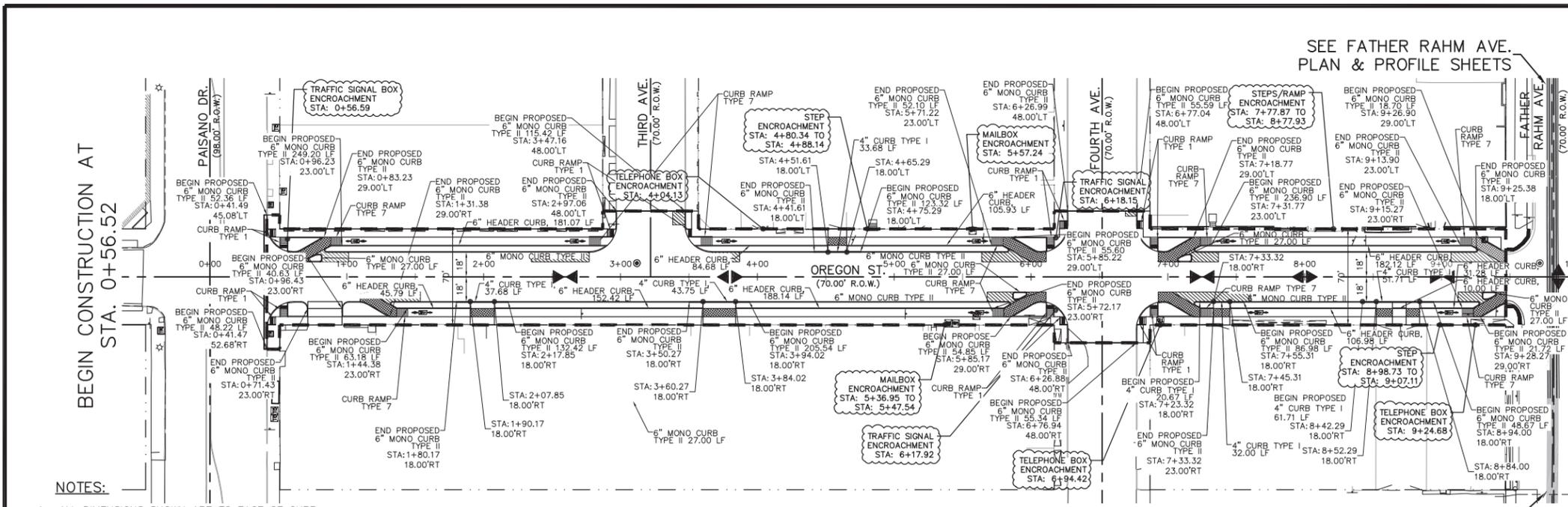
Note: According to the Texas Historical Commission's Historic Sites Atlas, there are multiple properties and districts listed in the National Register of Historic Places (NRHP) located within the study area. There are no properties designated as National Historic Landmarks, standing structures designated as State Antiquities Landmarks, or buildings designated as Recorded Texas Historic Landmarks within the APE or study area. According to TxDOT's Historic Districts and Properties of Texas database, there are multiple previously-determined eligible historic resources and historic districts within the study area. Most of the proposed project is within the boundaries of the potential El Segundo Barrio local historic district, and several contributing resources to the potential local historic district are within the APE. According to TxDOT's NRHP Listed and Eligible Bridges database, there are no historic bridges in the APE or study area.

- Existing Right-of-way
- Contributing to Potential Local Historic District
- ▭ Area of Potential Effects
- ▭ Local Potential Historic District
- ▭ Study Area (1300 feet)
- NRHP-Listed Property
- NRHP-Eligible Property
- ▭ NRHP-Listed District
- ▭ Parcel Boundary



Figure 3  
 Project Location on Aerial Base  
 Central Business District (CBD)  
 Phase IV: Oregon Street, Kansas Street,  
 Campbell Street, 6th Avenue, and  
 Father Rahm Avenue  
 El Paso County, Texas  
 CSJ: 0924-06-562

## **Appendix B: Plan and Profile and Typical Sections**



**LEGEND:**

- PROPOSED CITY MONUMENT
- EXISTING CITY MONUMENT TO REMAIN
- EXISTING CONCRETE INTERSECTION TO REMAIN
- PROJECT LIMITS
- PROPOSED CONCRETE TRACK SLAB BY OTHERS
- PROPOSED STREET CAR STOP BY OTHERS
- ITEM ENCROACHMENT
- BIKE PATH SYMBOL
- PI POINT OF INTERSECTION
- PC POINT OF CURVATURE
- PT POINT OF TANGENCY
- EXIST. EXISTING
- N NORTHING
- E EASTING
- STA. ALIGNMENT STATION
- RT RIGHT OFFSET
- LT LEFT OFFSET
- ▲ HIGH POINT
- ▼ LOW POINT

**SHEET TOTALS**

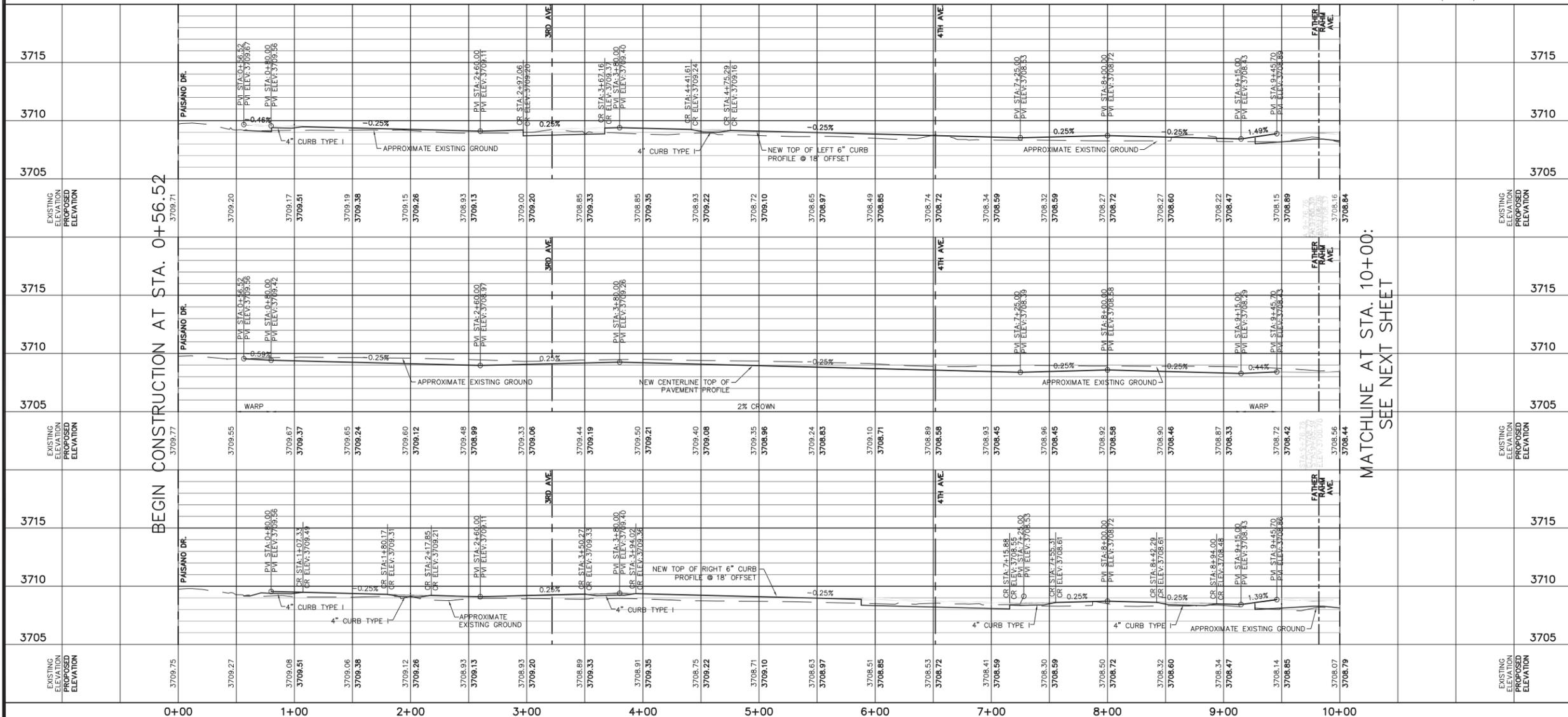
ITEM	CODE	DESCRIPTION	UNIT	QTY
110	6001	EXCAVATION (ROADWAY)	CY	1858
132	6002	EMBANKMENT (FINAL) (DENS CONT) (TYP A)	CY	238
247	6061	FL BS (CMP IN PLC) (TYA GR1-2) (6")	SY	4423
247	ELP1	FL BS (CMP IN PLC) (TYP A GR3) (5")	SY	716
341	6040	D-GR HMA TY-D PG64-22	TON	86
360	6003	CONC PWMT (CONT REINF-CRCP)(9")	SY	4644
529	6004	CONC CURB (MONO) (TY I)	LF	199
529	6005	CONC CURB (MONO) (TY II)	LF	1793
529	6036	CONCRETE CURB (SPECIAL)	LF	1088
530	6004	DRIVEWAY (CONC)	SY	215
531	6001	CONC SIDEWALKS (4")	SY	1092
531	6004	CURB RAMPS (TY 1)	EA	14
531	6010	CURB RAMPS (TY 7)	EA	10

**GRAPHIC SCALE**  
0 25 50 100  
(IN FEET)

- NOTES:**
- ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
  - ALL PROPOSED DRIVEWAY WIDTHS SHALL MATCH THE EXISTING ALLEY AND DRIVEWAY WIDTHS.
  - CONTRACTOR MUST MATCH EXISTING GROUND ELEVATION AT THE END OF THE DRIVEWAY WHILE MAINTAINING POSITIVE DRAINAGE FLOW.



**PLAN VIEW**



**90% SUBMITTAL FOR INTERIM REVIEW ONLY**

BY: RUBEN CHAVEZ P.E. NO. 87318

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

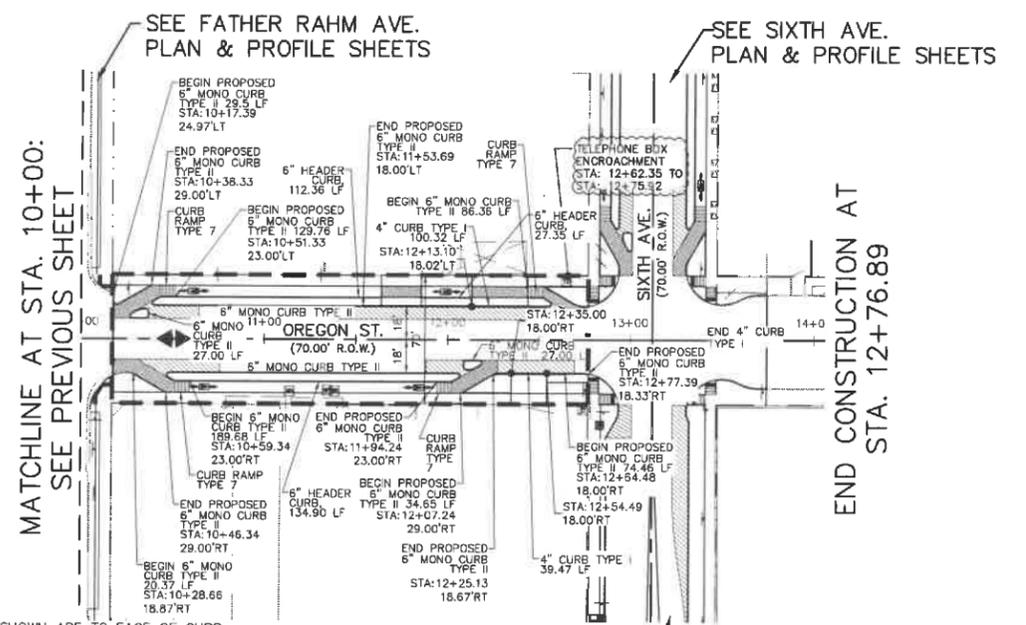
DATE: 11/22/2019

**CEA GROUP**  
813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
www.ceagroup.net  
TEXAS REGISTERED ENGINEERING FIRM F-4564

**CAPITAL IMPROVEMENT**  
CITY OF EL PASO

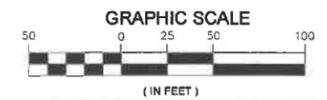
**CENTRAL BUSINESS DISTRICT PHASE IV**  
OREGON STREET  
PLAN & PROFILE  
STA. 0+56.52 TO STA. 10+00  
SHEET 1 OF 2

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	STP 2019(280)MM	94
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	562
		HIGHWAY NO.
		CS

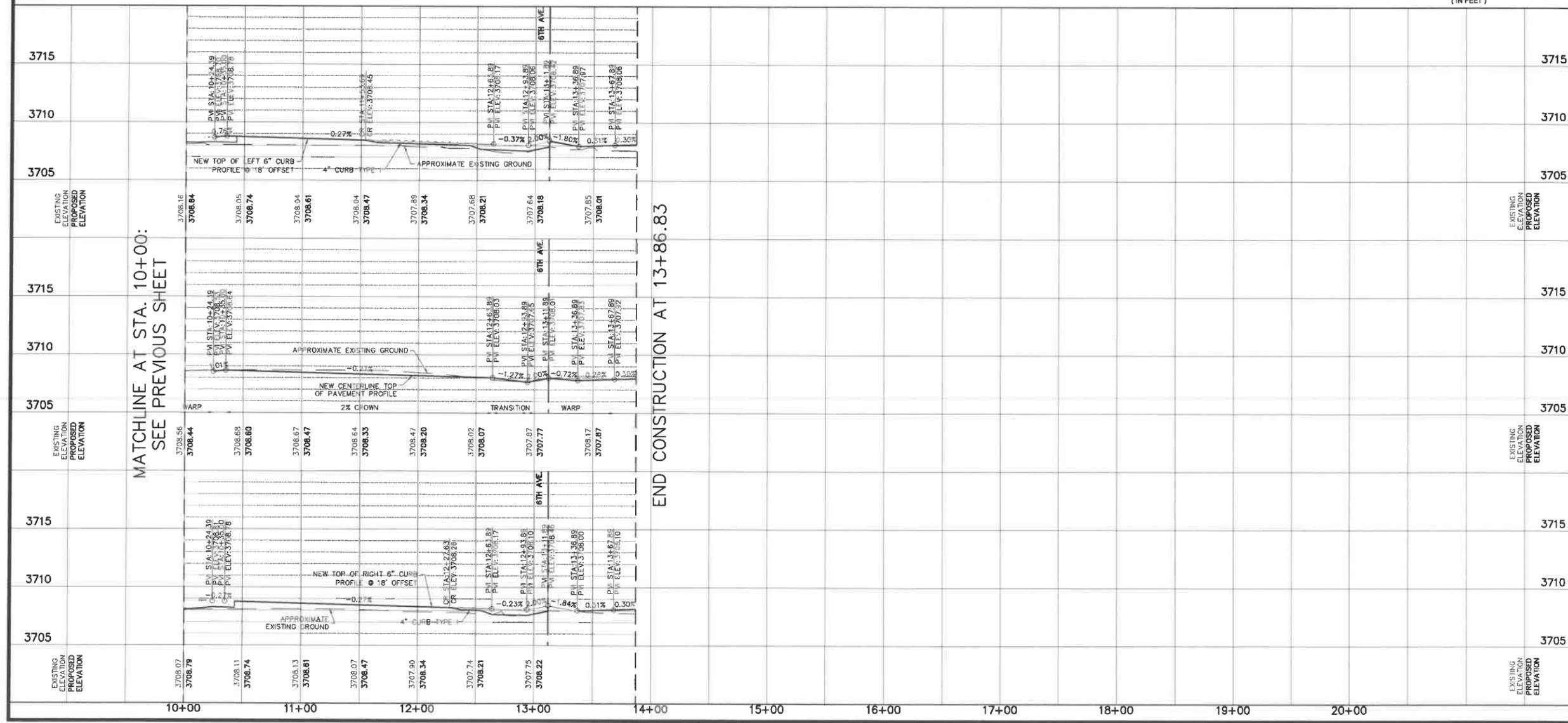


- NOTES:**
- ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
  - ALL PROPOSED DRIVEWAY WIDTHS SHALL MATCH THE EXISTING ALLEY AND DRIVEWAY WIDTHS.
  - CONTRACTOR MUST MATCH EXISTING GROUND ELEVATION AT THE END OF THE DRIVEWAY WHILE MAINTAINING POSITIVE DRAINAGE FLOW.

- LEGEND:**
- PROPOSED CITY MONUMENT
  - EXISTING CITY MONUMENT TO REMAIN
  - EXISTING CONCRETE INTERSECTION TO REMAIN
  - PROJECT LIMITS
  - PROPOSED CONCRETE TRACK SLAB BY OTHERS
  - PROPOSED STREET CAR STOP BY OTHERS
  - ITEM ENCROACHMENT
  - BIKE PATH SYMBOL
  - PI POINT OF INTERSECTION
  - PC POINT OF CURVATURE
  - PT POINT OF TANGENCY
  - EXIST. EXISTING
  - N NORTHING
  - E EASTING
  - STA. ALIGNMENT STATION
  - RT RIGHT OFFSET
  - LT LEFT OFFSET
  - HP HIGH POINT
  - LP LOW POINT



SHEET TOTALS				
ITEM	CODE	DESCRIPTION	UNIT	QTY
110	6001	EXCAVATION (ROADWAY)	CY	447
132	6002	EMBANKMENT (FINAL) (DENS CONT) (TYP A)	CY	117
247	6061	FL BS (CMP IN PLC) (TYA GR1-2) (6")	SY	885
247	ELP1	FL BS (CMP IN PLC) (TYP A GR3) (5")	SY	183
341	6040	D-GR HMA TY-D PG84-22	TON	22
360	6003	CONC PVMT (CONT REINF-CRCP)(9")	SY	929
529	6004	CONC CURB (MONO) (TY I)	LF	140
529	6005	CONC CURB (MONO) (TY II)	LF	503
529	6036	CONCRETE CURB (SPECIAL)	LF	275
530	6004	DRIVEWAY (CONC)	SY	139
531	6001	CONC SIDEWALKS (4")	SY	297
531	6010	CURB RAMPS (TY 7)	EA	4



**90% SUBMITTAL FOR INTERIM REVIEW ONLY**

BY: RUBEN CHAVEZ P.E. NO. 87318

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 11/22/2019

**cea group** 813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232 www.ceagroup.net TEXAS REGISTERED ENGINEERING FIRM F-4564

**CAPITAL IMPROVEMENT** CITY OF EL PASO

**CENTRAL BUSINESS DISTRICT PHASE IV**

**OREGON STREET PLAN & PROFILE**

STA. 10+00 TO STA. 13+86.83

SHEET 2 OF 2

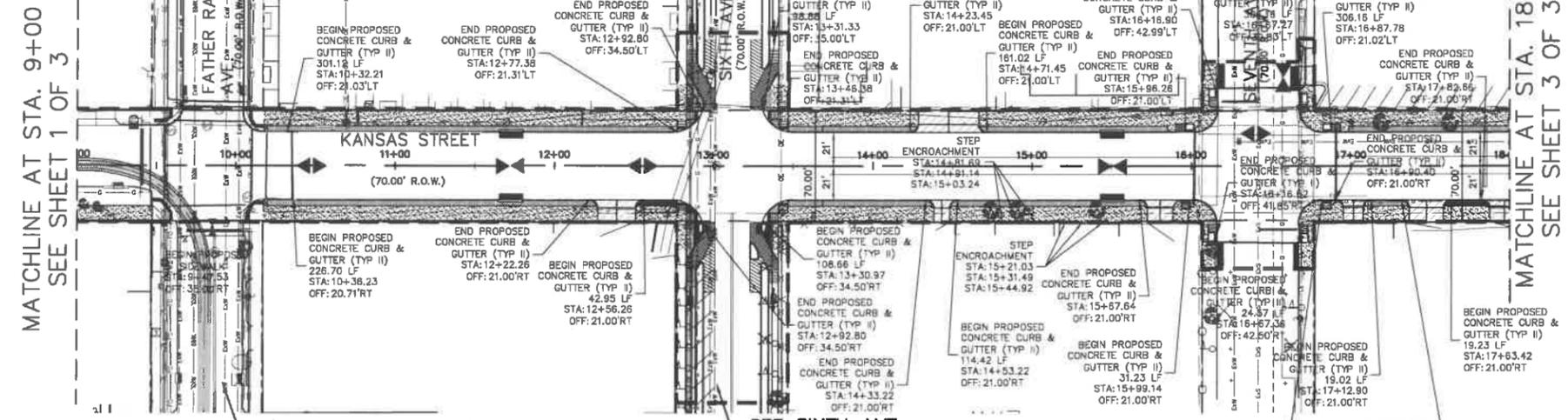
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6	STP 2019/280/MM		95
STATE	DIST.	COUNTY	
TEXAS	ELP	EL PASO	
CONT.	SECT.	JOB	HIGHWAY NO.
0924	06	562	CS



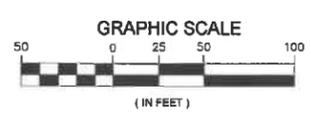
SEE FATHER RAHM AVE.  
PLAN & PROFILE SHEETS

SEE SIXTH AVE.  
PLAN & PROFILE SHEETS

MATCHLINE AT STA. 18+00  
SEE SHEET 3 OF 3



- LEGEND:**
- ◆ PROPOSED CITY MONUMENT
  - ⊙ EXISTING CITY MONUMENT TO REMAIN
  - PROJECT LIMITS
  - PI POINT OF INTERSECTION
  - PC POINT OF CURVATURE
  - PT POINT OF TANGENCY
  - EXIST. EXISTING
  - N NORTHING
  - E EASTING
  - STA. ALIGNMENT STATION
  - RT RIGHT OFFSET
  - LT LEFT OFFSET
  - LF LINEAR FEET
  - ▲ HIGH POINT
  - ▼ LOW POINT
  - MATCH EXISTING GRADES
  - PROPOSED LANDSCAPE
  - ▨ PROPOSED SIDEWALK
  - ▩ PROPOSED DRIVEWAY
  - PROPOSED INLET
  - PROPOSED ADA RAMP
  - EXISTING INLET
  - PROPOSED METAL BEAM GUARD FENCE



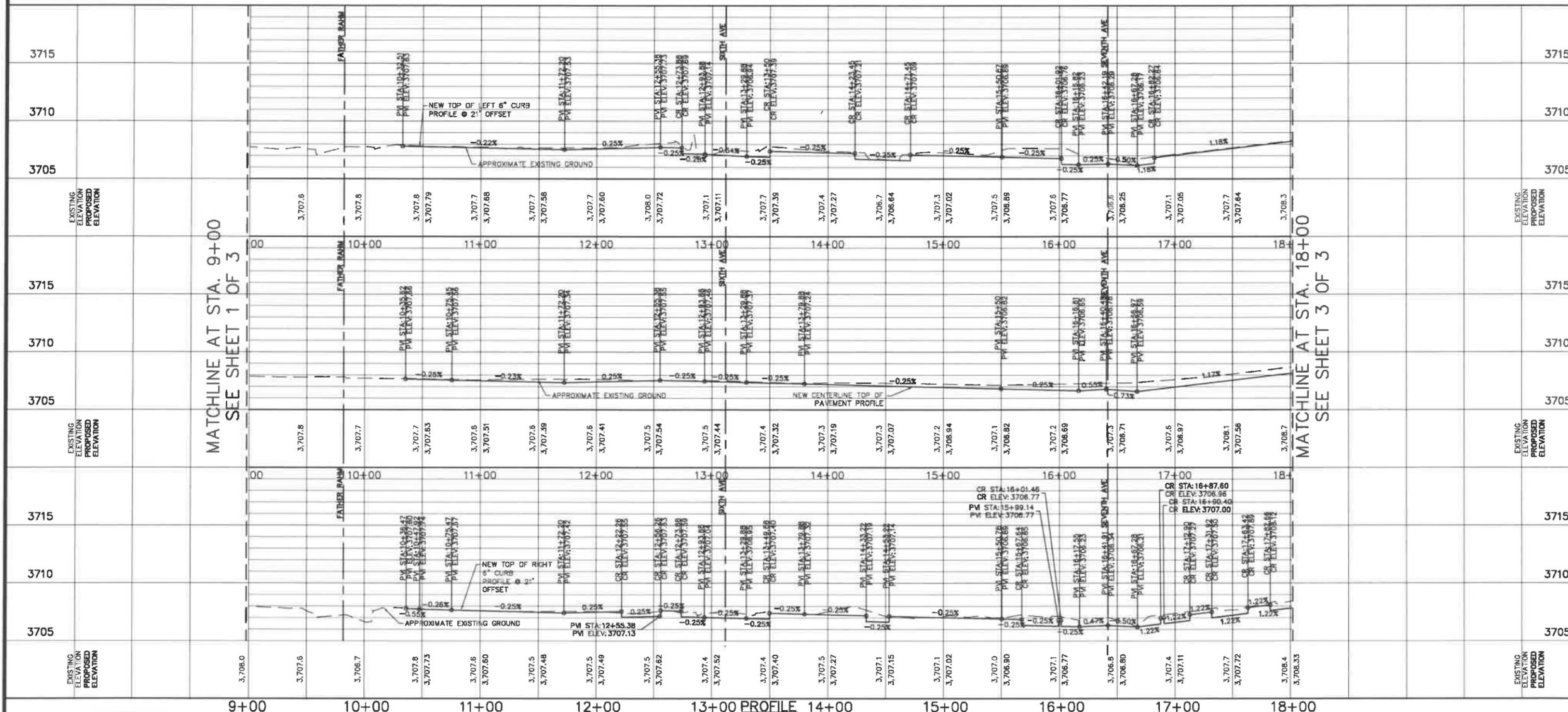
**NOTES:**

1. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
2. ALL PROPOSED DRIVEWAY WIDTHS SHALL MATCH THE EXISTING ALLEY AND DRIVEWAY WIDTHS.
3. CONTRACTOR MUST MATCH EXISTING GROUND ELEVATION AT THE END OF THE DRIVEWAY WHILE MAINTAINING POSITIVE DRAINAGE FLOW.

PLAN VIEW

**SHEET TOTALS**

ITEM CODE	DESCRIPTION	UNIT	QTY.
110 6001	EXCAVATION (ROADWAY)	CY	-
132 6002	EMBANKMENT (FINAL)(DENS CONT)(TYP A)	CY	-
247 6063	FL BS (CMP IN PLC) (TY A GR 3) (6")	SY	436.3
251 6024	REWORK BS MTL (TY A) (8") (DENS CONT)	SY	436.3
360 6003	CONC PVMT (CONT REINF - CRCP) (9")	SY	436.3
529 6008	CONC CURB (TY II)	LF	1201
530 6004	DRIVEWAYS (CONC)	SY	222
531 6001	CONC SIDEWALKS (4")	SY	1511
531 6004	CURB RAMPS (TY 1)	EA	10
531 6005	CURB RAMPS (TY 2)	EA	6



**95% SUBMITTAL FOR INTERIM REVIEW ONLY**

BY: SERGIO J. ADAME P.E. NO. 88423

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 10/14/19

**B BROCK & BUSTILLOS INC.**  
CONSULTING CIVIL ENGINEERS  
LAND SURVEYORS

417 EXECUTIVE CENTER  
EL PASO, TEXAS 79905  
WWW.BROCKBUSTILLOS.COM

PH (915) 842-6900  
FAX (915) 842-3887  
TSP# Perm Reg. No. F-737

**CAPITAL IMPROVEMENT**

**CENTRAL BUSINESS DISTRICT PHASE IV**

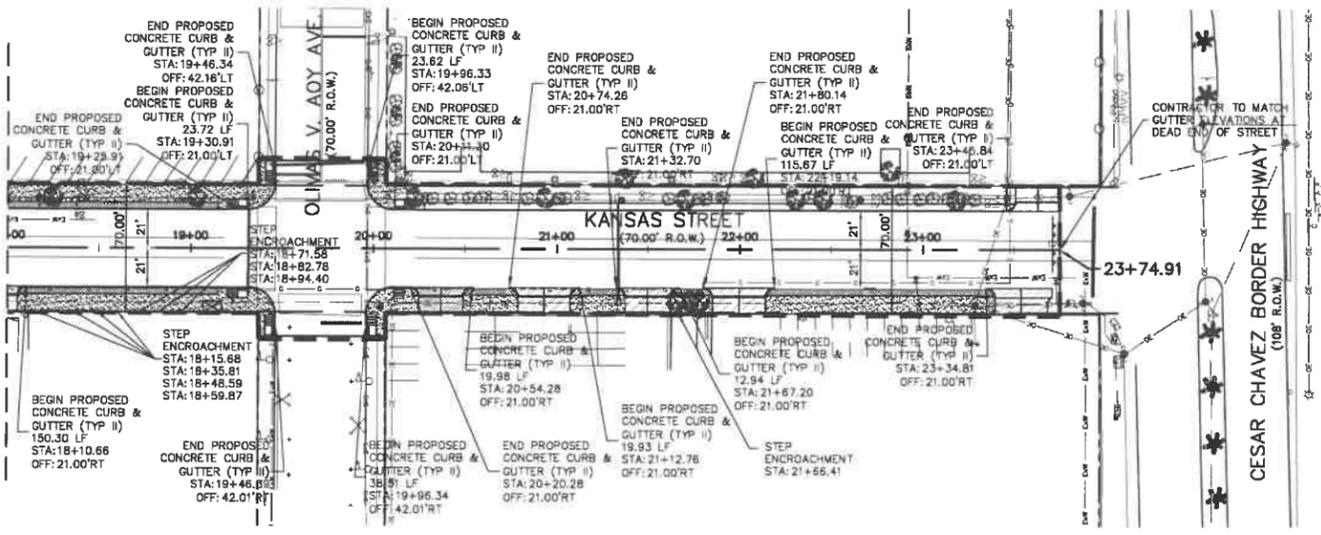
**KANSAS STREET PLAN & PROFILE**

**STA. 09+00 TO STA. 18+00**

SHEET 2 OF 3

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.	
6	STP 2019(280)MM	97	
STATE	DIST.	COUNTY	
TEXAS	ELP	EL PASO	
CONT.	SECT.	JOB	HIGHWAY NO.
0924	06	562	CS

MATCHLINE AT STA. 18+00  
SEE SHEET 2 OF 3

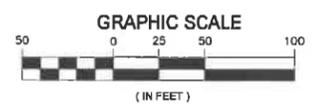


PLAN VIEW

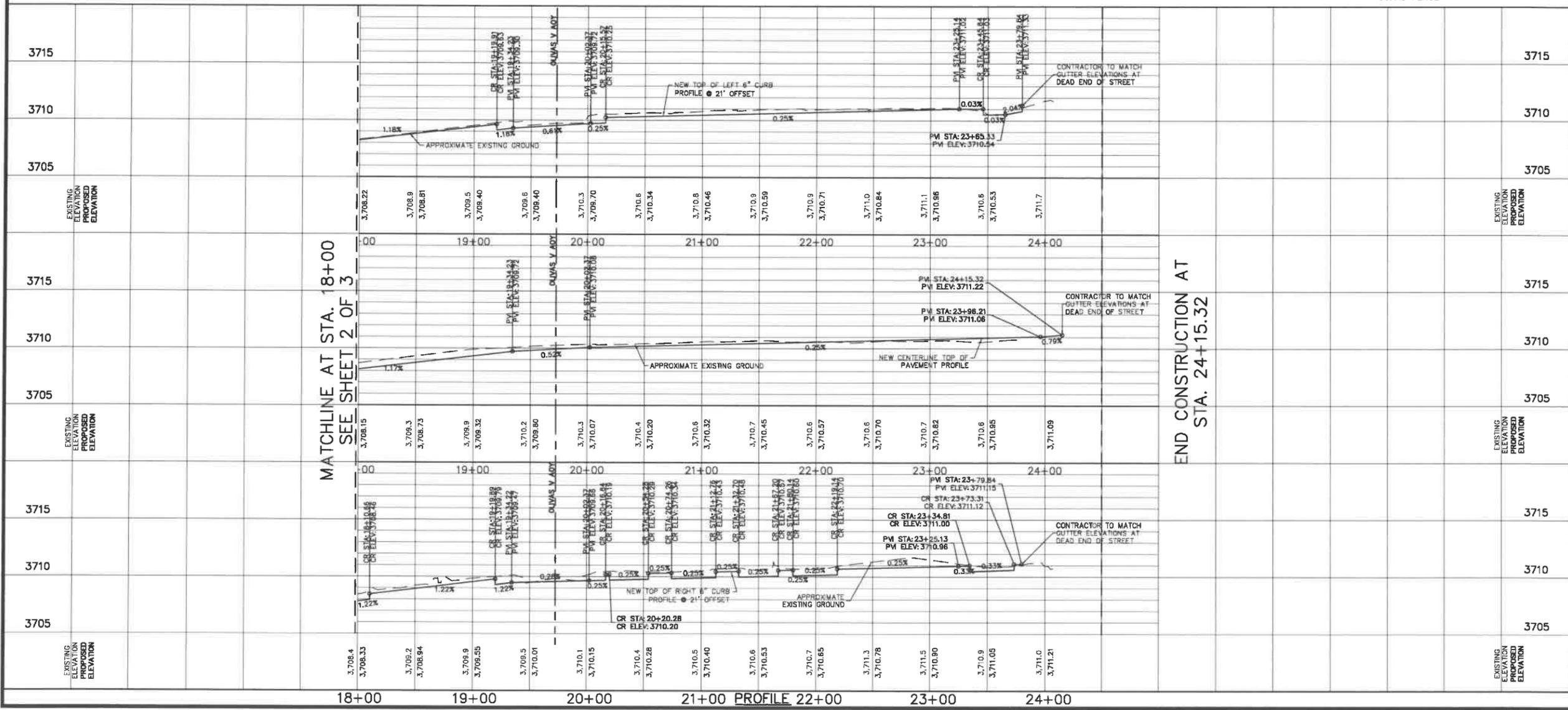
NOTES:

1. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
2. ALL PROPOSED DRIVEWAY WIDTHS SHALL MATCH THE EXISTING ALLEY AND DRIVEWAY WIDTHS.
3. CONTRACTOR MUST MATCH EXISTING GROUND ELEVATION AT THE END OF THE DRIVEWAY WHILE MAINTAINING POSITIVE DRAINAGE FLOW.

- LEGEND:**
- ◆ PROPOSED CITY MONUMENT
  - EXISTING CITY MONUMENT TO REMAIN
  - PROJECT LIMITS
  - PI POINT OF INTERSECTION
  - PC POINT OF CURVATURE
  - PT POINT OF TANGENCY
  - EXIST. EXISTING
  - N NORTHING
  - E EASTING
  - STA. ALIGNMENT STATION
  - RT RIGHT OFFSET
  - LT LEFT OFFSET
  - LF LINEAR FEET
  - ◆ HIGH POINT
  - ◆ LOW POINT
  - MATCH EXISTING GRADES
  - PROPOSED LANDSCAPE
  - PROPOSED SIDEWALK
  - PROPOSED DRIVEWAY
  - PROPOSED INLET
  - PROPOSED ADA RAMP
  - EXISTING INLET
  - PROPOSED METAL BEAM GUARD FENCE



SHEET TOTALS		
ITEM CODE	DESCRIPTION	UNIT QTY.
110	6001 EXCAVATION (ROADWAY)	CY -
132	6002 EMBANKMENT (FINAL)(DENS CONT)(TYP A)	CY -
247	6063 FL BS (CMP IN PLC) (TY A GR 3) (6")	SY 2996
251	6024 REWORK BS MTL (TY A) (8") (DENS CONT)	SY 2996
360	6003 CONC PVMT (CONT REINF - CRCP) (9")	SY 2996
528	6008 CONC CURB (TY II)	LF 845
530	6004 DRIVEWAYS (CONC)	SY 269
531	6001 CONC SIDEWALKS (4")	SY 689
531	6004 CURB RAMPS (TY 1)	EA 2
531	6005 CURB RAMPS (TY 2)	EA 8
540	6001 MTL W-BEAM GD FEN (TIM POST)	LF 30



MATCHLINE AT STA. 18+00  
SEE SHEET 2 OF 3

END CONSTRUCTION AT  
STA. 24+15.32

**95% SUBMITTAL  
FOR INTERIM REVIEW ONLY**

By: **SERGIO J. ADAME** P.E. No. **88423**

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: **10/14/19**

**B BROCK & BUSTILLOS INC.**  
CONSULTING CIVIL ENGINEERS  
LAND SURVEYORS  
417 EXECUTIVE CENTER  
EL PASO, TEXAS 79902  
WWW.BROCKANDBUSTILLOS.COM  
PH (915) 542-4900  
FAX (915) 844-2887  
TYPE Perm Reg. No. F-727

**CAPITAL IMPROVEMENT**

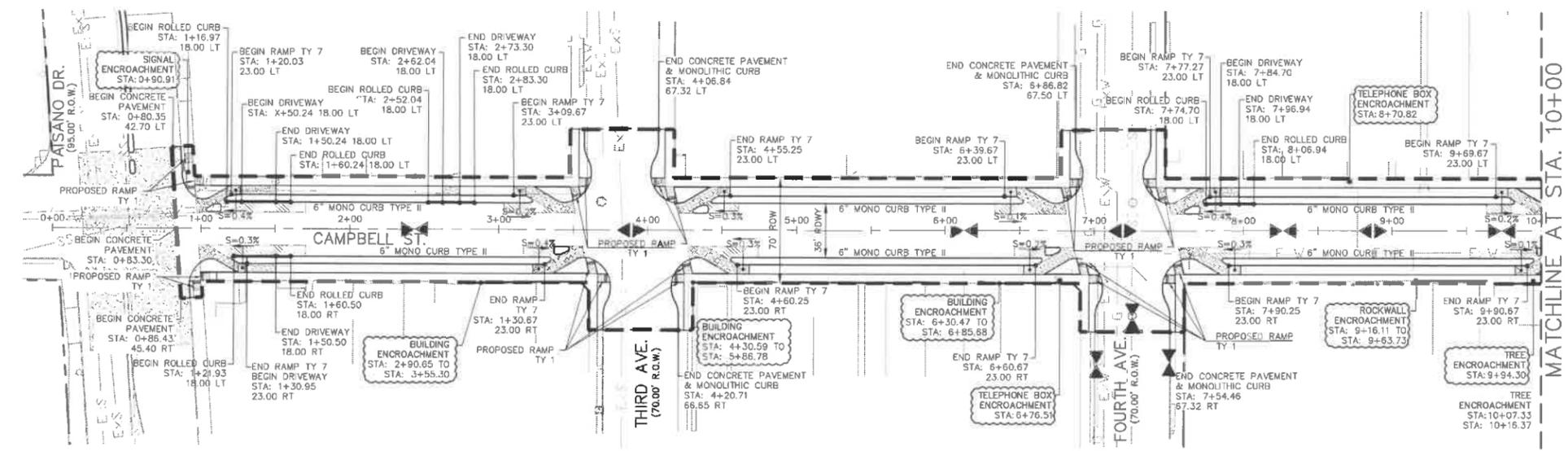
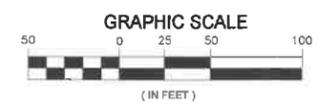
**CENTRAL BUSINESS DISTRICT PHASE IV**

**KANSAS STREET PLAN & PROFILE**  
STA. 18+00 TO STA. 24+15

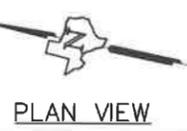
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	STP 2019(280)MM	98
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	562
		HIGHWAY NO.
		CS

**LEGEND:**

- ⊕ PROPOSED CITY MONUMENT
- ⊙ EXISTING CITY MONUMENT TO REMAIN
- ▭ EXISTING CONCRETE INTERSECTION TO REMAIN
- ▬ APPROXIMATE BUS PAD LOCATION TO BE COORDINATED WITH SUN METRO
- ▬ PROJECT LIMITS
- PI POINT OF INTERSECTION
- PC POINT OF CURVATURE
- PT POINT OF TANGENCY
- EXIST. EXISTING
- N NORTHING
- E EASTING
- STA. ALIGNMENT STATION
- RT RIGHT OFFSET
- LT LEFT OFFSET
- ▲ HIGH POINT
- ▼ LOW POINT
- ⊞ POTENTIAL ENCROACHMENT



- NOTES:**
- ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
  - REFER TO INTERSECTION SHEETS FOR ADDITIONAL INFORMATION.



SHEET TOTALS				
ITEM	CODE	DESCRIPTION	UNIT	QTY
110	6001	EXCAVATION (ROADWAY)	CY	3493
132	6002	EMBANKMENT (FINAL)	CY	1138
247	6063	FL BS (CMP IN PLC)	SY	5468
		(TYP A GR3) (6")		
247	ELP1	FL BS (CMP IN PLC)	SY	1023
		(TYP A GR3) (5")		
251	6024	REWORK BS MTL (TY A)	SY	372
		8" (DENS CONT)		
340	6034	D-GR HMA (SQ)	TON	113
		TY-C PG64-22		
360	6003	CONC PVMT	SY	5468
		(CONT REINF-CRCP) (9")		
360	6027	CURB (TY II)	LF	1653
529	6004	CONC CURB (MONO) (TY I)	LF	76
529	6005	CONC CURB (MONO) (TY II)	LF	1473
530	6004	DRIVEWAY (CONC)	SY	143
531	6001	CONC SIDEWALKS (4")	SY	1242
531	6004	CURB RAMPS (MONO) (TY I)	EA	20
531	6010	CURB RAMPS (TY 7)	EA	12
531	6032	CONC SIDEWALK (SPECIAL) (TYPE A)	SY	719
5000	6001	GEOGRID REINFORCE EMBANKMENT (TY A)	SY	5468

**90% SUBMITTAL FOR INTERIM REVIEW ONLY**

By: OSWALD F. GARCIA P.E. No109889

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 10/23/2019

PLANNING-ENGINEERING-PROJECT MANAGEMENT

**MCI** Moreno Cardenas Inc.

EL PASO SAN ANTONIO

2505 E. Missouri Ave. El Paso, TX 79903 (915) 532-2091  
9601 McAllister Freeway #207, San Antonio TX 78216 (210) 314-3553  
Texas Board of Professional Engineers Registration No. P-000534

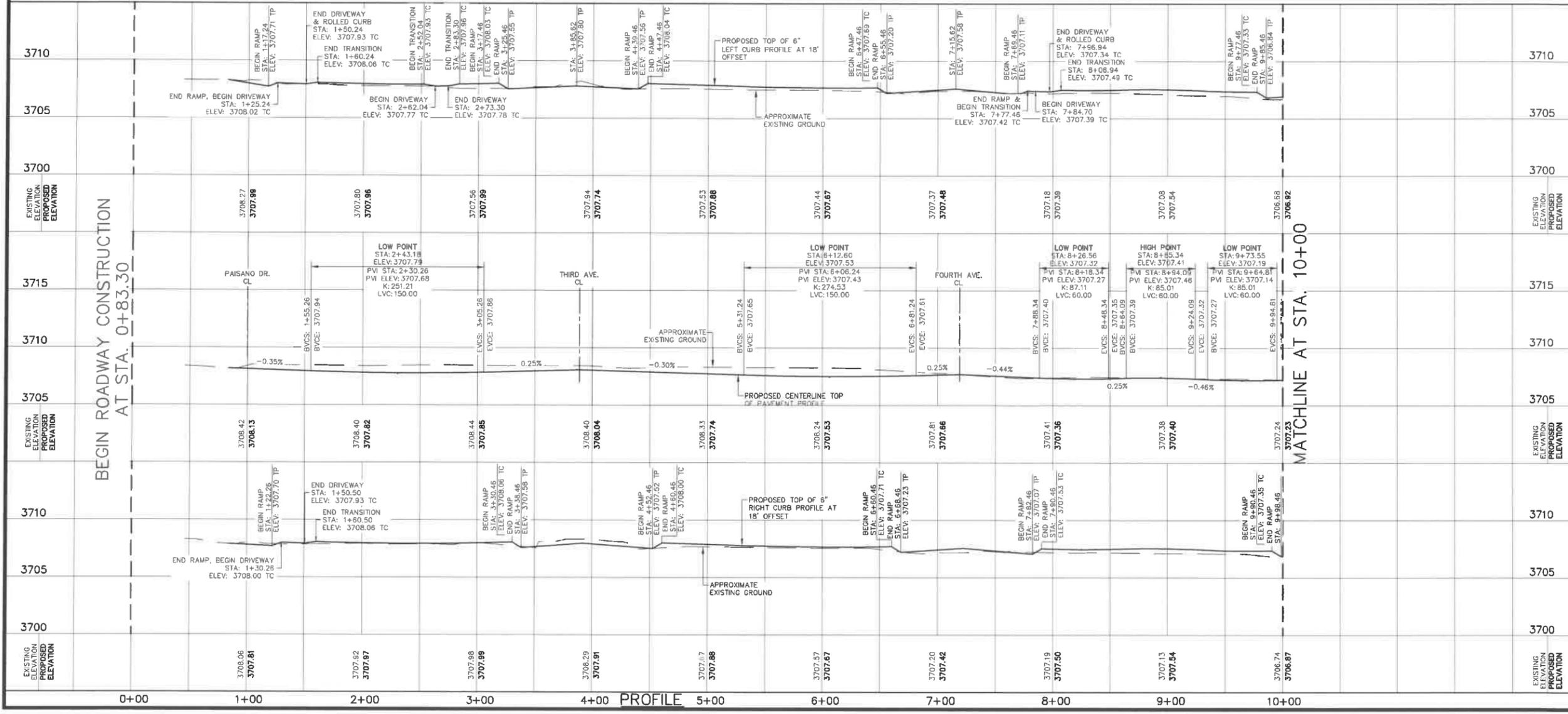
**CAPITAL IMPROVEMENT**  
CITY OF EL PASO

**CENTRAL BUSINESS DISTRICT PHASE IV**

CAMPBELL STREET PLAN & PROFILE  
STA 0+83.30 TO STA 10+00

SHEET 1 OF 3

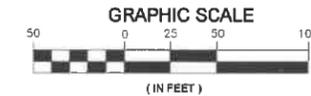
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	STP 2019(280)MM	99
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	562
		HIGHWAY NO.
		CS



F:\12123\SHEETS\CBD\_10\_26p\_Campbell Street.dwg Time: Nov 20, 2019 - 10:25:57pm Loginedor Dimascan1 L15cda0.5 Inages:

**LEGEND:**

- ◆ PROPOSED CITY MONUMENT
- EXISTING CITY MONUMENT TO REMAIN
- ▭ EXISTING CONCRETE INTERSECTION TO REMAIN
- ▭ APPROXIMATE BUS PAD LOCATION TO BE COORDINATED WITH SUN METRO
- PROJECT LIMITS
- PI POINT OF INTERSECTION
- PC POINT OF CURVATURE
- PT POINT OF TANGENCY
- EXIST. EXISTING
- N NORTHING
- E EASTING
- STA. ALIGNMENT STATION
- RT RIGHT OFFSET
- LT LEFT OFFSET
- ▲ HIGH POINT
- ▼ LOW POINT
- ⊗ POTENTIAL ENCROACHMENT



SHEET TOTALS				
ITEM	CODE	DESCRIPTION	UNIT	QTY
110	6001	EXCAVATION (ROADWAY)	CY	3898
132	6002	EMBANKMENT (FINAL)	CY	1286
247	6063	FL BS (CMP IN PLC)	SY	6102
		(TY A GR3) (6")		
247	ELP1	FL BS (CMP IN PLC)	SY	1013
		(TY A GR3) (5")		
251	6024	REWORK BS MTL (TY A)	SY	345
		8" (DENS CONT)		
340	6034	D-GR HMA (50)	TON	112
		TY-C PG64-22 (BIKE LANE)		
360	6003	CONC PVMT	SY	6102
		(CONC REINF-CRCP) (9")		
360	6027	CURB (TY I)	LF	1914
529	6004	CONC CURB (MONO) (TY I)	LF	38
529	6005	CONC CURB (MONO) (TY II)	LF	1611
530	6004	DRIVEWAY (CONC)	SY	72
531	6001	CONC SIDEWALKS (4")	SY	1369
531	6004	CURB RAMPS (TY 1)	EA	24
531	6010	CURB RAMPS (TY 7)	EA	12
531	6032	CONC SIDEWALK (SPECIAL)	SY	831
		(TYPE A)		
5006	6001	GEOGRID REINFORCE	SY	6102
		EMBANKMENT (TY A)		

**90% SUBMITTAL FOR INTERIM REVIEW ONLY**

BY: OSWALD F.GARCIA P.E. No.109889

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 10/23/2019

PLANNING-ENGINEERING-PROJECT MANAGEMENT

**MCI** Moreno Cardenas Inc.

EL PASO SAN ANTONIO

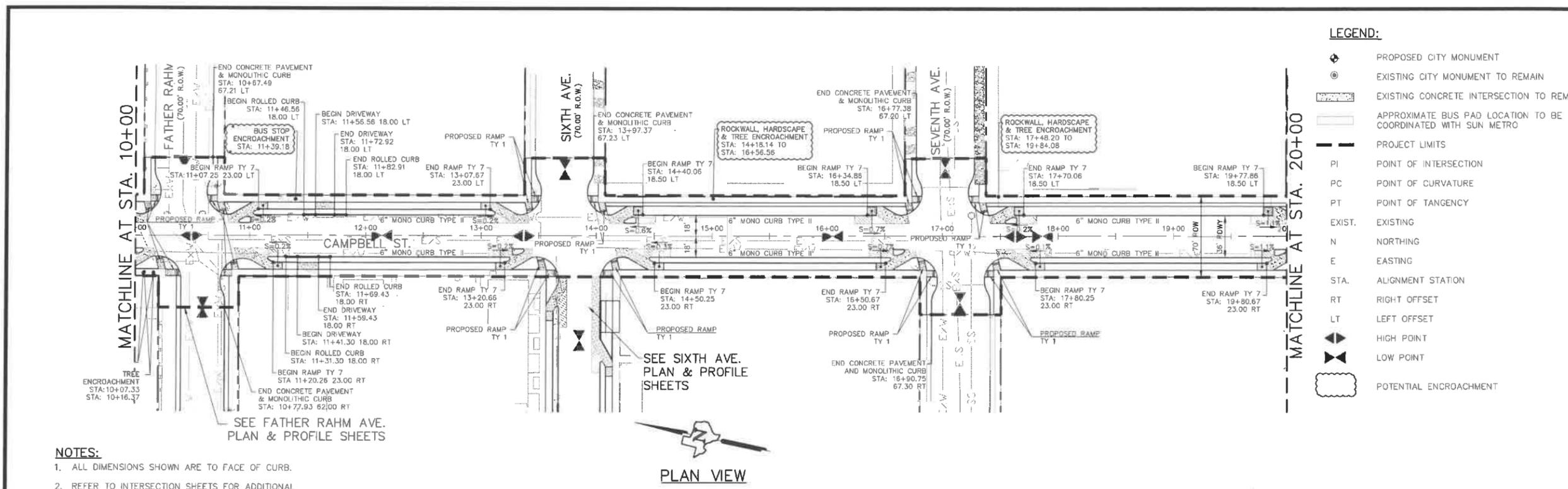
2505 E. Missouri Ave. El Paso, TX 79903 (915) 532-2091  
9601 McAllister Freeway #207, San Antonio TX 78216 (210) 314-3553  
Texas Board of Professional Engineers Registration No. F-000554



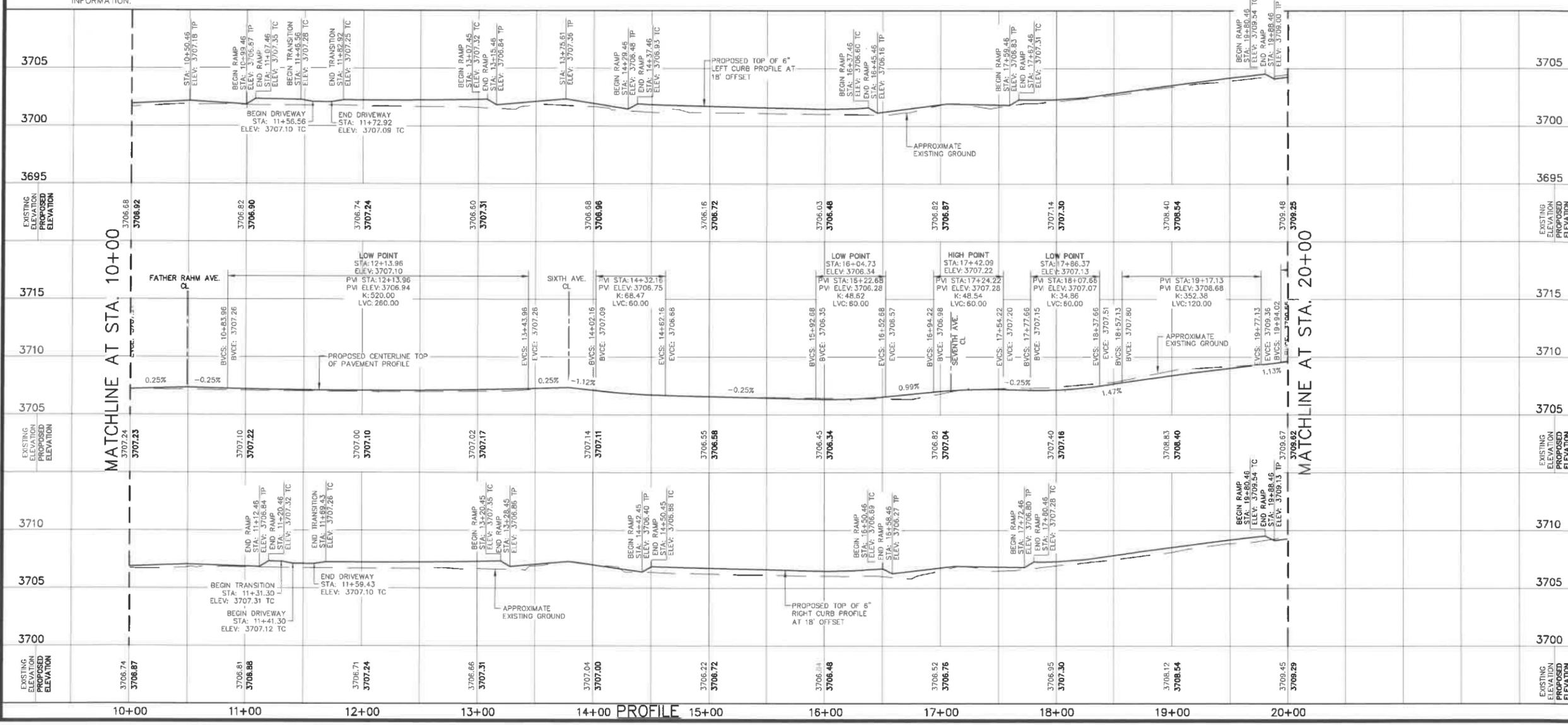
**CENTRAL BUSINESS DISTRICT PHASE IV**

**CAMPBELL STREET PLAN & PROFILE STA 10+00 TO STA 20+00**

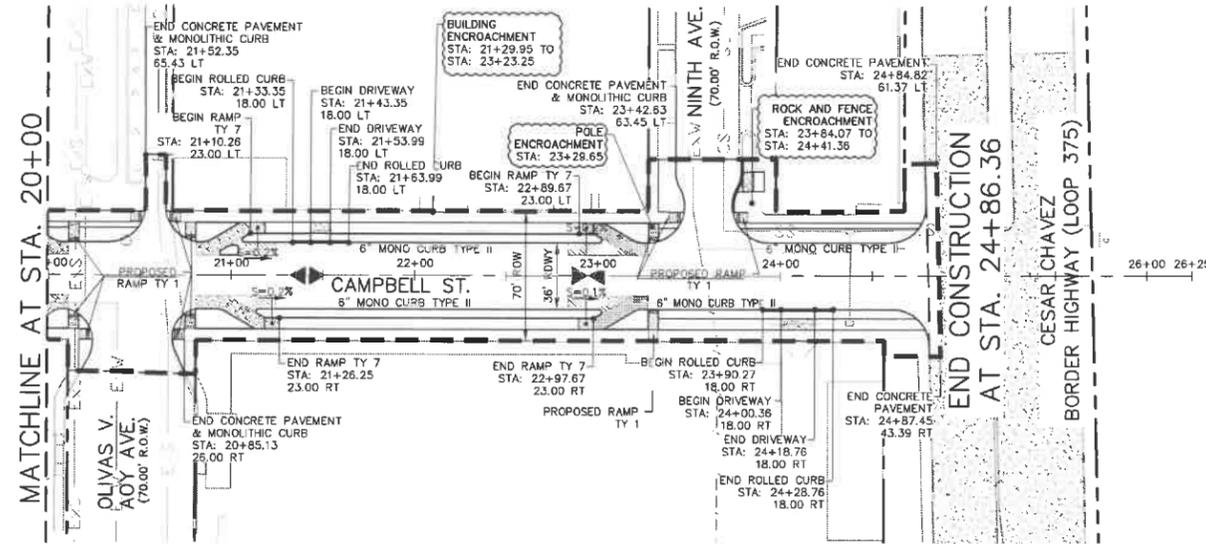
FED. RD. DIV. NO.		FEDERAL AID PROJECT NO.		SHEET NO.	
6		STP 2019/280/MM		100	
STATE		DIST.		COUNTY	
TEXAS		ELP		EL PASO	
CONT.		SECT.		JOB	
0924		06		562	
HIGHWAY NO.		CS			



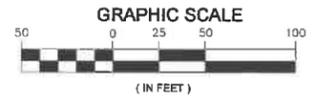
- NOTES:**
- ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
  - REFER TO INTERSECTION SHEETS FOR ADDITIONAL INFORMATION.



F:\12123\SHEETS\OBD\_M\_Pkg\_Campbell\_Street.dwg Time: Nov 20, 2019 - 02:53pm Loginsador Dimscale:1 L1Scale:0.5 Invgas:



- LEGEND:**
- ◆ PROPOSED CITY MONUMENT
  - EXISTING CITY MONUMENT TO REMAIN
  - ▨ EXISTING CONCRETE INTERSECTION TO REMAIN
  - ▭ APPROXIMATE BUS PAD LOCATION TO BE COORDINATED WITH SUN METRO
  - PROJECT LIMITS
  - PI POINT OF INTERSECTION
  - PC POINT OF CURVATURE
  - PT POINT OF TANGENCY
  - EXIST. EXISTING
  - N NORTHING
  - E EASTING
  - STA. ALIGNMENT STATION
  - RT RIGHT OFFSET
  - LT LEFT OFFSET
  - ▲ HIGH POINT
  - ▼ LOW POINT
  - ⬮ POTENTIAL ENCROACHMENT



- NOTES:**
- ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
  - REFER TO INTERSECTION SHEETS FOR ADDITIONAL INFORMATION.



**SHEET TOTALS**

ITEM	CODE	DESCRIPTION	UNIT	QTY
110	6001	EXCAVATION (ROADWAY)	CY	1787
132	6002	EMBANKMENT (FINAL)	CY	567
247	6063	FL BS (CMP IN PLC)	SY	2797
247	ELP1	FL BS (CMP IN PLC) (TYP A GR3) (6") (BIKE LANE)	SY	314
251	6024	REWORK BS MTL (TY A) (8")	SY	259
340	6034	D-GR HMA (S2) TY-C PG64-22	TON	35
360	6003	CONC PVMT (CONC REINF-CRCP) (9")	SY	2797
360	6027	CURB (TY II)	LF	1122
529	6004	CONC CURB (MONO) (TY II)	LF	32
530	6004	DRIVEWAY (CONC) (TY II)	LF	628
531	6001	CONC SIDEWALKS (4")	SY	584
531	6004	CURB RAMPS (TY 1)	EA	12
531	6010	CURB RAMPS (TY 7)	EA	4
531	6032	CONC SIDEWALK (SPECIAL) (TYPE A)	SY	490
5000	6001	GEOGRID REINFORCE EMBANKMENT (TY A)	SY	2797

**90% SUBMITTAL FOR INTERIM REVIEW ONLY**

BY: OSWALD F. GARCIA P.E. No. 109889

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 10/23/2019

PLANNING-ENGINEERING-PROJECT MANAGEMENT

**MCI Moreno Cardenas Inc.**

EL PASO SAN ANTONIO

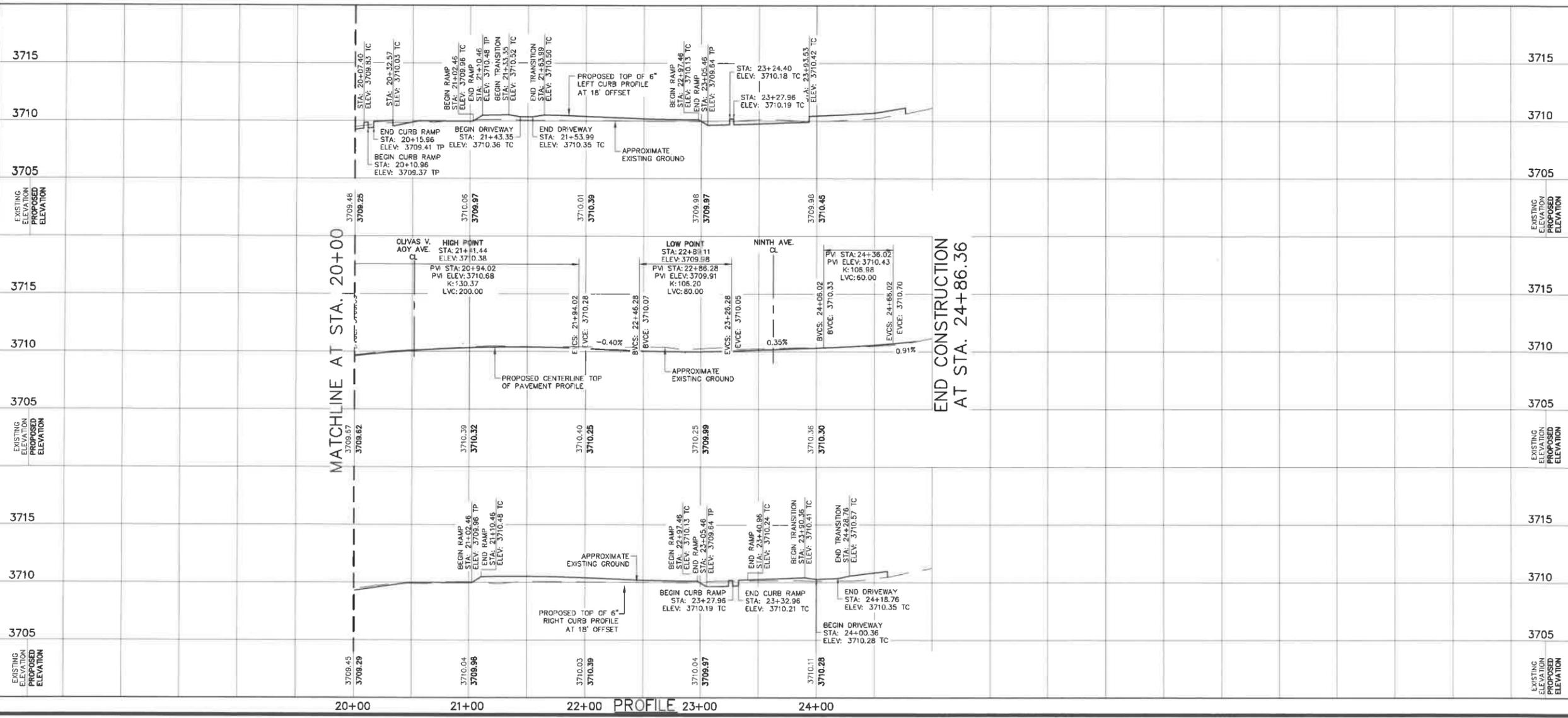
2505 E. Missouri Ave. El Paso, TX 79903 (915) 532-2091  
 9601 McAllister Freeway #207, San Antonio TX 78216 (210) 314-3553  
 Texas Board of Professional Engineers Registration No. F-000534



**CENTRAL BUSINESS DISTRICT PHASE IV**

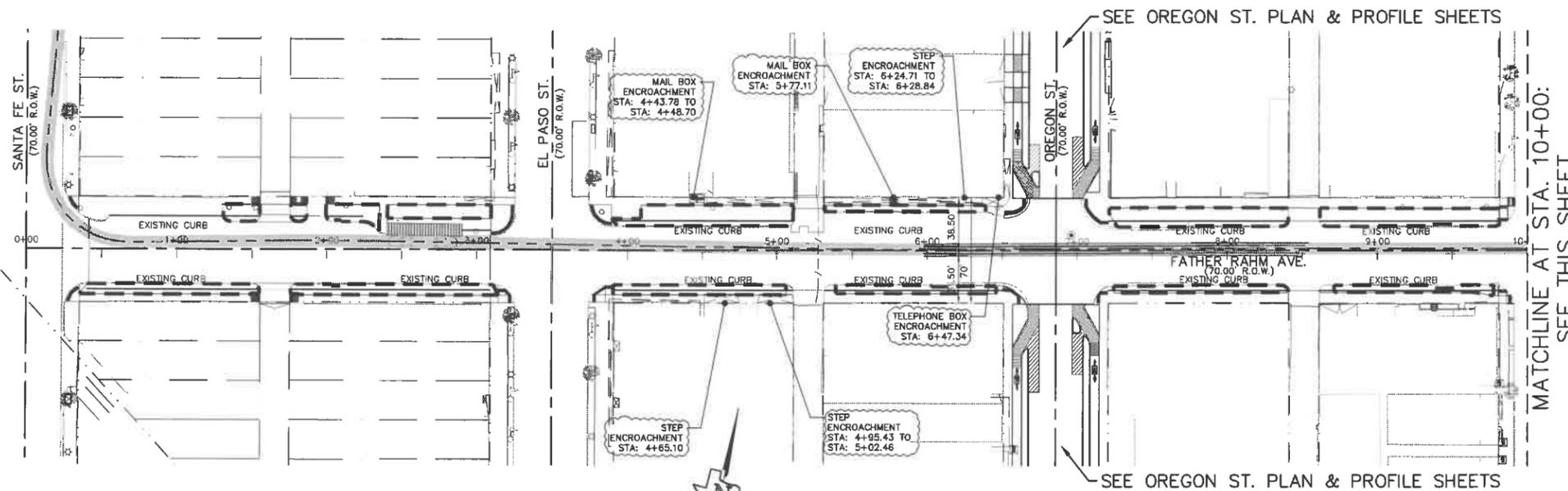
**CAMPBELL STREET PLAN & PROFILE STA 20+00 TO STA 24+86.36**

SHEET 3 OF 3		
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	STP 2019/280/MM	101
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	562
		HIGHWAY NO.
		CS



F:\1213\1213\SHEETS\CBDI\_IV\_P&P\_Campbell Street.dwg Time: Nov 20, 2019 - 02:43pm Login: dgdg DimScale: 1 LScale: 0.5 Images:

BEGIN CONSTRUCTION AT STA. 0+41.62



LEGEND:

- PROPOSED CITY MONUMENT
- EXISTING CITY MONUMENT TO REMAIN
- EXISTING CONCRETE INTERSECTION TO REMAIN
- PROJECT LIMITS
- PROPOSED CONCRETE TRACK SLAB BY OTHERS
- PROPOSED STREET CAR STOP BY OTHERS
- ITEM ENCROACHMENT
- BIKE PATH SYMBOL
- PI POINT OF INTERSECTION
- PC POINT OF CURVATURE
- PT POINT OF TANGENCY
- EXIST.
- N NORTHING
- E EASTING
- STA. ALIGNMENT STATION
- RT RIGHT OFFSET
- LT LEFT OFFSET
- HIGH POINT
- LOW POINT

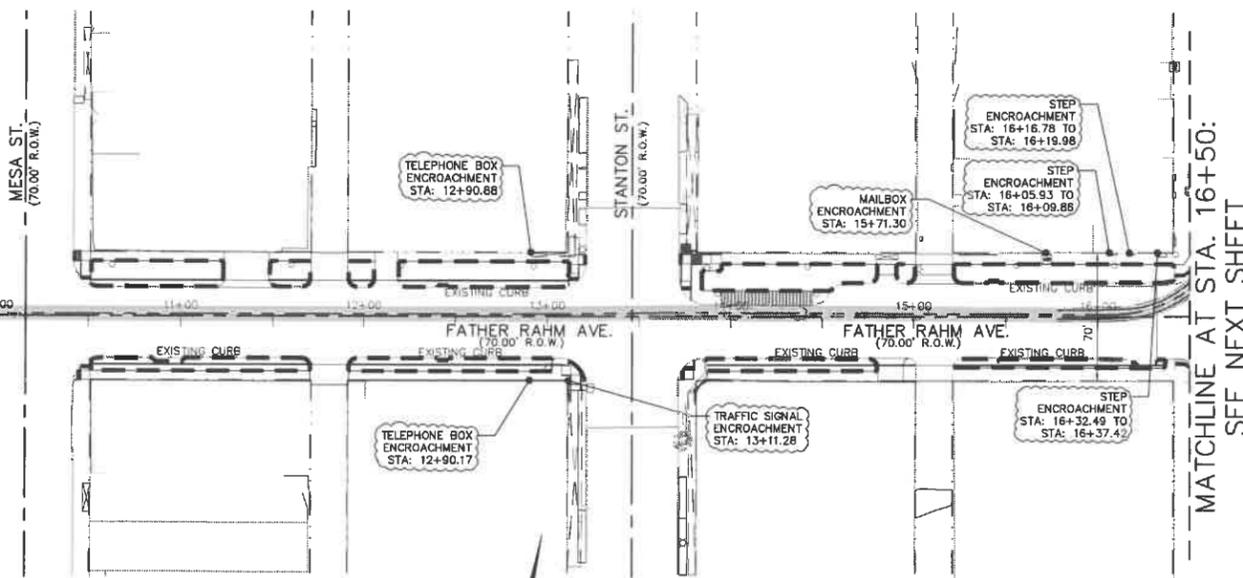
MATCHLINE AT STA. 10+00:  
SEE THIS SHEET

NOTES:

1. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
2. ALL PROPOSED DRIVEWAY WIDTHS SHALL MATCH THE EXISTING ALLEY AND DRIVEWAY WIDTHS.
3. CONTRACTOR MUST MATCH EXISTING GROUND ELEVATION AT THE END OF THE DRIVEWAY WHILE MAINTAINING POSITIVE DRAINAGE FLOW.
4. REFER TO ILLUMINATION PLANS FOR ILLUMINATION IMPROVEMENTS.
5. REFER TO AESTHETIC PLAN FOR LANDSCAPING IMPROVEMENTS.

PLAN VIEW

MATCHLINE AT STA. 10+00  
SEE THIS SHEET



MATCHLINE AT STA. 16+50:  
SEE NEXT SHEET

PLAN VIEW

90% SUBMITTAL  
FOR INTERIM REVIEW ONLY

BY: RUBEN CHAVEZ P.E. NO. 87318

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 11/22/2019

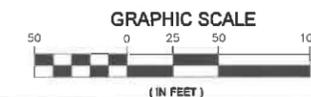
**cea** 813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
GROUP www.ceagroup.net  
TEXAS REGISTERED ENGINEERING FIRM F-4564



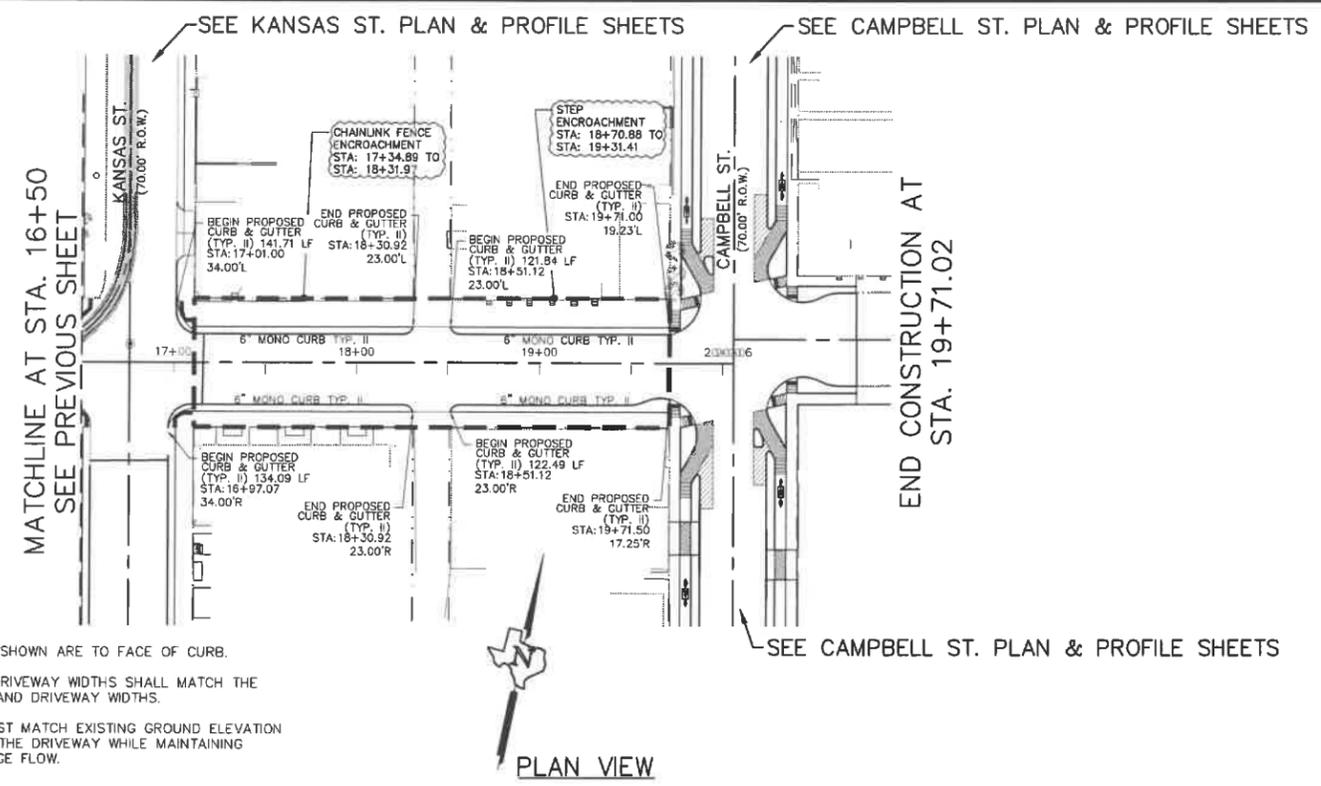
CENTRAL BUSINESS DISTRICT PHASE IV

FATHER RAHM AVENUE  
PLAN STA. 0+41.62 TO STA. 16+50

SHEET 1 OF 2

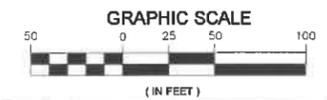


FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6	STP 2019/280/MM		102
STATE	DIST.	COUNTY	
TEXAS	ELP	EL PASO	
CONT.	SECT.	JOB	HIGHWAY NO.
0924	06	562	CS

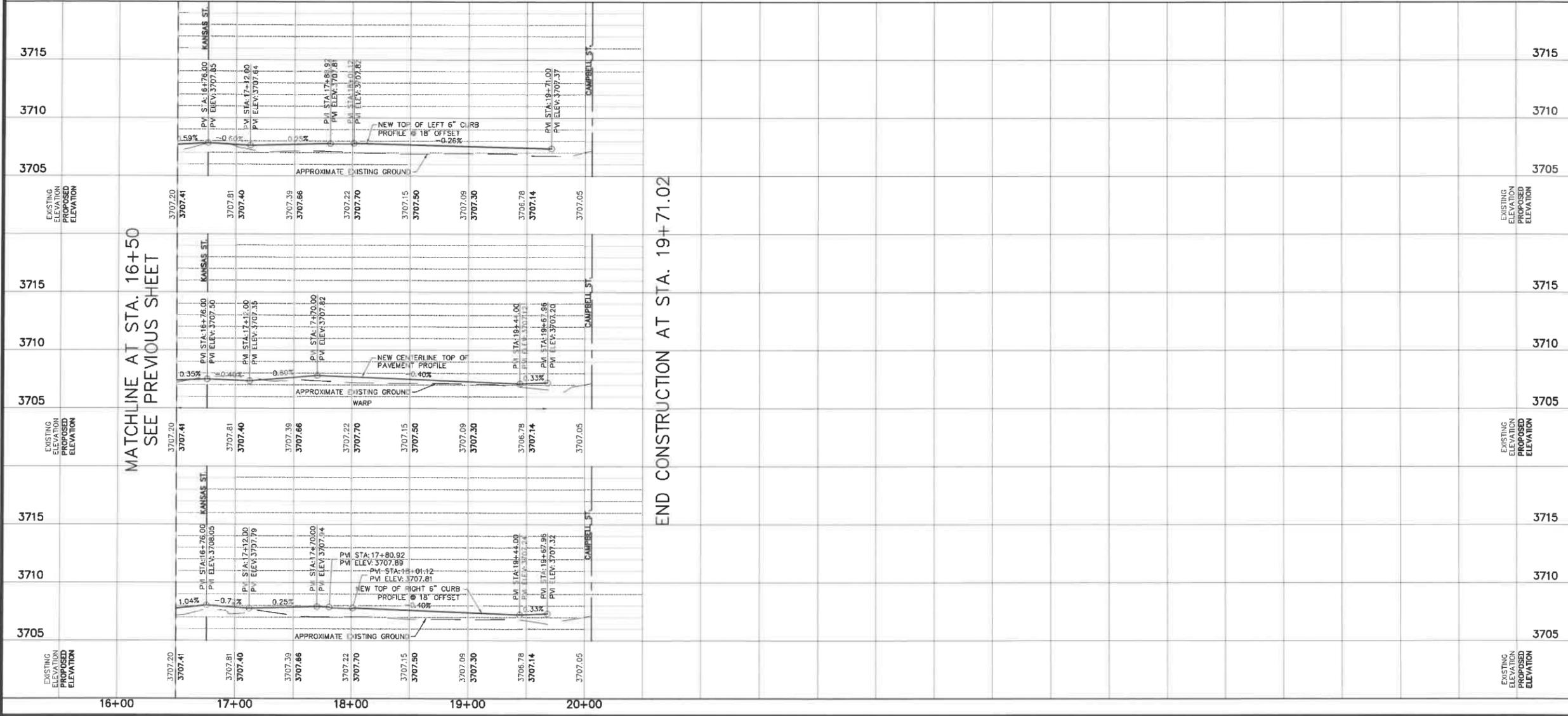


- NOTES:**
1. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
  2. ALL PROPOSED DRIVEWAY WIDTHS SHALL MATCH THE EXISTING ALLEY AND DRIVEWAY WIDTHS.
  3. CONTRACTOR MUST MATCH EXISTING GROUND ELEVATION AT THE END OF THE DRIVEWAY WHILE MAINTAINING POSITIVE DRAINAGE FLOW.

- LEGEND:**
- ⊕ PROPOSED CITY MONUMENT
  - ⊙ EXISTING CITY MONUMENT TO REMAIN
  - ▬ EXISTING CONCRETE INTERSECTION TO REMAIN
  - ▬ PROJECT LIMITS
  - ▬ PROPOSED CONCRETE TRACK SLAB BY OTHERS
  - ▬ PROPOSED STREET CAR STOP BY OTHERS
  - ⊖ ITEM ENCROACHMENT
  - ⊖ BIKE PATH SYMBOL
  - PI POINT OF INTERSECTION
  - PC POINT OF CURVATURE
  - PT POINT OF TANGENCY
  - EXIST. EXISTING
  - N NORTHING
  - E EASTING
  - STA. ALIGNMENT STATION
  - RT RIGHT OFFSET
  - LT LEFT OFFSET
  - ▲ HIGH POINT
  - ▼ LOW POINT



SHEET TOTALS				
ITEM	CODE	DESCRIPTION	UNIT	QTY
110	6001	EXCAVATION (ROADWAY)	CY	187
132	6002	EMBANKMENT (FINAL) (DENS CONT) (TYP A)	CY	73
247	6063	FL BS (CMP IN PLC) (TYP A GR3) (8")	SY	2378
360	6002	CONC PVMT (CONT REINF - CRCP) (8")	SY	2306
529	6005	CONC CURB (MONO) (TY II)	LF	762
530	6004	DRIVEWAY (CONC)	SY	74
531	6001	CONC SIDEWALKS (4")	SY	595



**90% SUBMITTAL  
FOR INTERIM REVIEW ONLY**

BY: RUBEN CHAVEZ P.E. NO. 87318

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

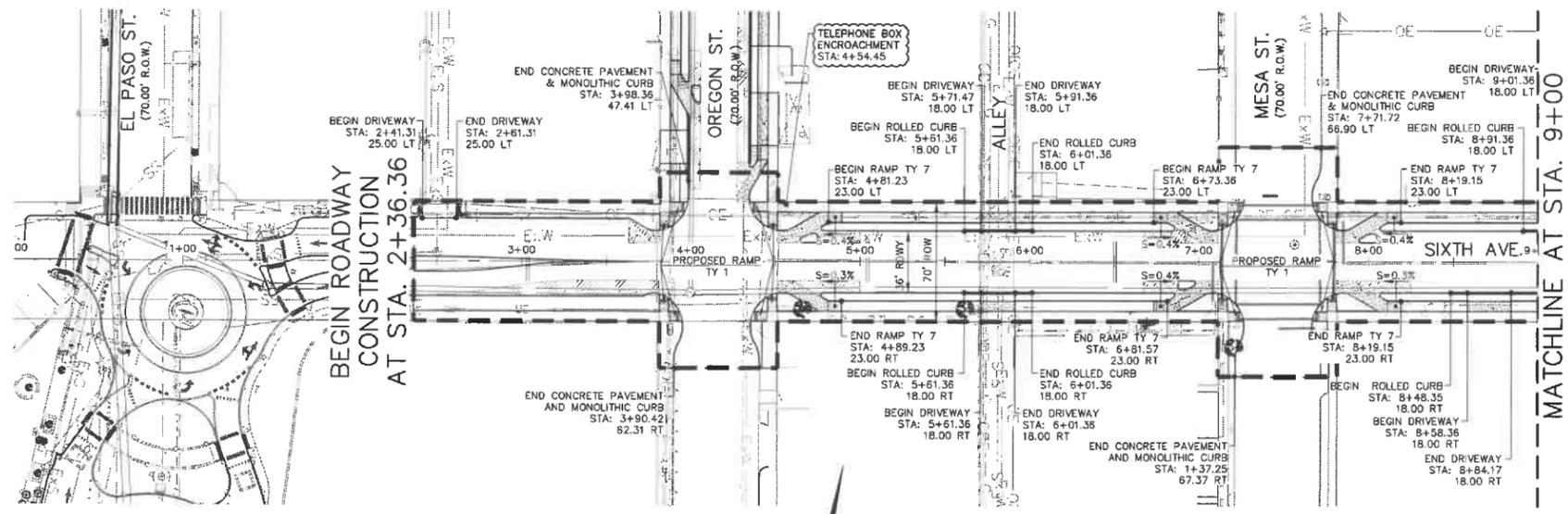
DATE: 11/22/2019

**cea** 813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
www.ceagroup.net  
TEXAS REGISTERED ENGINEERING FIRM F-4564

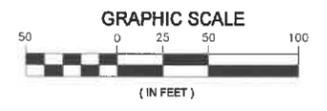
**CAPITAL IMPROVEMENT**  
CITY OF EL PASO

**CENTRAL BUSINESS DISTRICT PHASE IV  
FATHER RAHM AVENUE  
PLAN & PROFILE  
STA. 16+50 TO STA.  
19+71.02**

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.	
6	STP 2019/280/JMM	103	
STATE	DIST.	COUNTY	
TEXAS	ELP	EL PASO	
CONT.	SECT.	JOB	HIGHWAY NO.
0924	06	562	CS



- LEGEND:**
- PROPOSED CITY MONUMENT
  - EXISTING CITY MONUMENT TO REMAIN
  - EXISTING CONCRETE INTERSECTION TO REMAIN
  - APPROXIMATE BUS PAD LOCATION TO BE COORDINATED WITH SUN METRO
  - PROPOSED CONCRETE PAVEMENT REFER TO INTERSECTION LAYOUT PLAN
  - PROJECT LIMITS
  - PI POINT OF INTERSECTION
  - PC POINT OF CURVATURE
  - PT POINT OF TANGENCY
  - EXIST. EXISTING
  - N NORTHING
  - E EASTING
  - STA. ALIGNMENT STATION
  - RT RIGHT OFFSET
  - LF LEFT OFFSET
  - HIGH POINT
  - LOW POINT
  - POTENTIAL ENCROACHMENT



- NOTES:**
- ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
  - REFER TO INTERSECTION SHEETS FOR ADDITIONAL INFORMATION.

PLAN VIEW

SHEET TOTALS			
ITEM	CODE	DESCRIPTION	QTY
110	6001	EXCAVATION (ROADWAY)	3111
132	6002	EMBANKMENT (FINAL)	1008
247	6063	FL. BS. (CMP IN PLC)	4869
247	ELP1	FL. BS. (CMP IN PLC) (TYP A GR3) (6")	664
251	6024	REWORK BS MTL (TY A) 8" (DENS CONT)	355
340	6034	D-GR HMA (SQ) TY-C PG64-22 (BIKE LANE)	74
360	6003	CONC PVMT (CONT REINF-CRCP) (9")	4514
360	6027	CURB (TY II)	1325
529	6004	CONC CURB (MONO) (TY II)	94
529	6005	CONC CURB (MONO) (TY II)	1156
530	6004	DRIVEWAY (CONC)	178
531	6001	CONC SIDEWALKS (4")	883
531	6004	CURB RAMPS (TY 1)	21
531	6010	CURB RAMPS (TY 7)	10
531	6032	CONC SIDEWALK (SPECIAL) (TYPE A)	843
5000	6001	GEOGRID REINFORCE EMBANKMENT (TY A)	4869

**90% SUBMITTAL FOR INTERIM REVIEW ONLY**

BY: **OSWALD F. GARCIA** P.E. No. 109889

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: **10/23/2019**

PLANNING-ENGINEERING-PROJECT MANAGEMENT

**MCI Moreno Cardenas Inc.**

EL PASO SAN ANTONIO

2505 E. Missouri Ave. El Paso, TX 79903 (915) 532-2091  
9601 McAllister Freeway #307, San Antonio TX 78216 (210) 314-3553  
Texas Board of Professional Engineers Registration No. F-600534

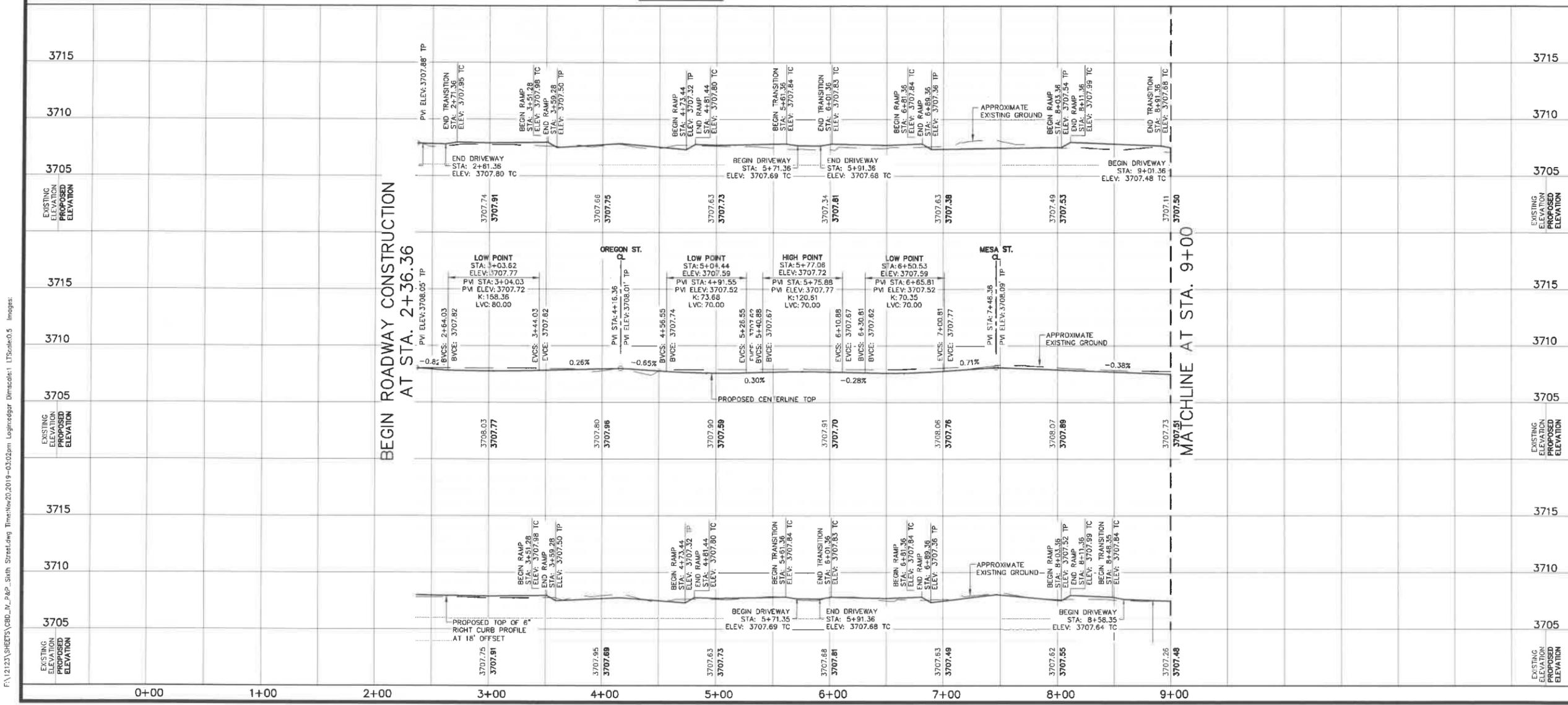


**CENTRAL BUSINESS DISTRICT PHASE IV**

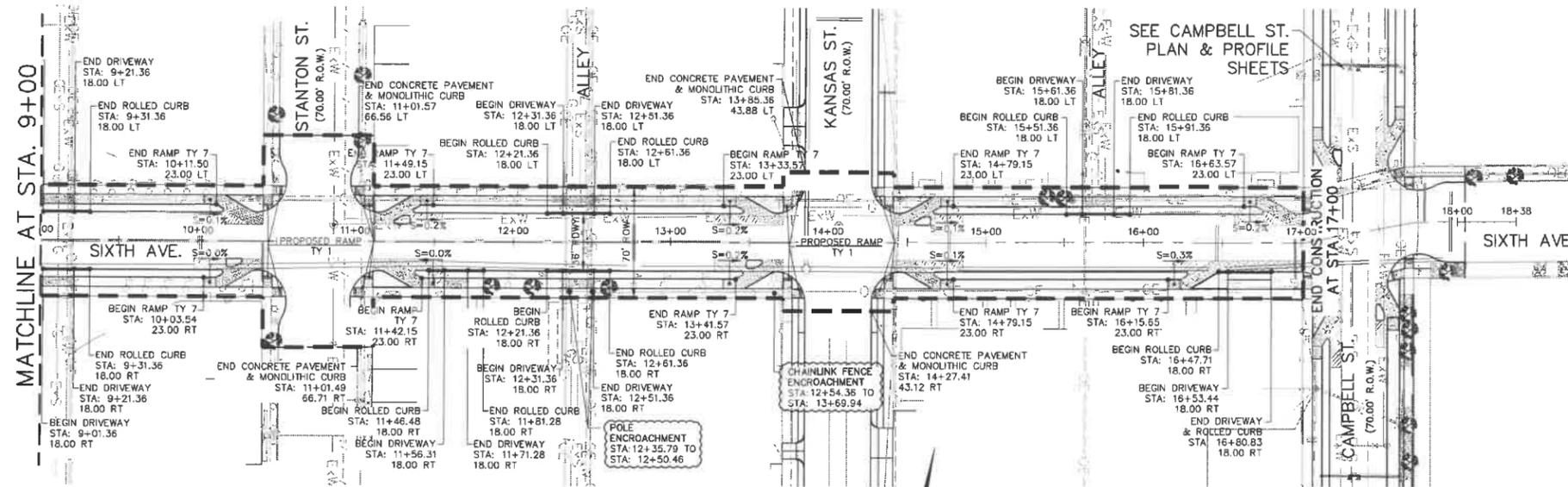
**SIXTH AVENUE PLAN & PROFILE**  
STA. 1+00 TO STA. 9+00

SHEET 1 OF 2

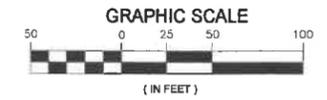
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	STP 2019/280 MM	104
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	562
		HIGHWAY NO.
		CS



F:\12123\SHEETS\CBD\_LV\_P&P\_Sixth Street.dwg Time: Nov 20, 2019 9:03:02pm Logins: cgdar Dimas: c11 L1Scale: 0.5 Imoges:



- LEGEND:**
- ◆ PROPOSED CITY MONUMENT
  - EXISTING CITY MONUMENT TO REMAIN
  - ▭ EXISTING CONCRETE INTERSECTION TO REMAIN
  - ▭ APPROXIMATE BUS PAD LOCATION TO BE COORDINATED WITH SUN METRO
  - ▭ PROPOSED CONCRETE PAVEMENT REFER TO INTERSECTION LAYOUT PLAN
  - PROJECT LIMITS
  - PI POINT OF INTERSECTION
  - PC POINT OF CURVATURE
  - PT POINT OF TANGENCY
  - EXIST. EXISTING
  - N NORTHING
  - E EASTING
  - STA. ALIGNMENT STATION
  - RT RIGHT OFFSET
  - LF LEFT OFFSET
  - ▲ HIGH POINT
  - ▼ LOW POINT
  - ⬭ POTENTIAL ENCROACHMENT



- NOTES:**
- ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
  - REFER TO INTERSECTION SHEETS FOR ADDITIONAL INFORMATION.

PLAN VIEW

SHEET TOTALS				
ITEM	CODE	DESCRIPTION	UNIT	QTY
110	6001	EXCAVATION (ROADWAY)	CY	2945
132	6002	EMBANKMENT (FINAL)	CY	978
247	6003	FL BS (CMP IN PLC)	SY	4609
247	ELP1	FL BS (CMP IN PLC) (TYP A GR3) (5')	SY	711
251	6024	REWORK BS MTL (TY A) 8" (DENS CONT)	SY	230
340	6034	D-GR HMA (SQ) TY-C PG64-22 (BIKE LANE)	TON	79
360	6003	CONC PVMT (CONC REINF-CRCP) (9")	SY	4494
360	6027	CURB (TY II)	LF	1138
529	6004	CONC CURB (MONO) (TY II)	LF	110
529	6005	CONC CURB (MONO) (TY II)	LF	161
530	6004	DRIVEWAY (CONC)	SY	1204
531	6001	CONC SIDEWALKS (4")	SY	779
531	6004	CURB RAMPS (TY 1)	EA	16
531	6010	CURB RAMPS (TY 7)	EA	10
531	6032	CONC SIDEWALK (SPECIAL) (TYPE A)	SY	843
5000	6001	GEOGRID REINFORCE EMBANKMENT (TY A)	SY	4609

**90% SUBMITTAL FOR INTERIM REVIEW ONLY**

BY: **OSWALD F. GARCIA** P.E. No. 109889

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: **10/23/2019**

PLANNING-ENGINEERING-PROJECT MANAGEMENT

**MCI Moreno Cardenas Inc.**

EL PASO SAN ANTONIO

2505 E. Missouri Ave. El Paso, TX 79903 (915) 532-2091  
 9601 McAllister Freeway #207, San Antonio TX 78216 (210) 314-3553  
 Texas Board of Professional Engineers Registration No. F-000554



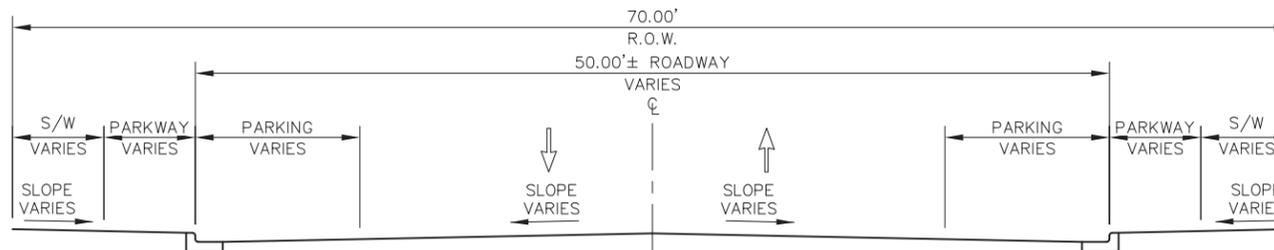
**CENTRAL BUSINESS DISTRICT PHASE IV**

**SIXTH AVENUE PLAN & PROFILE STA 9+00 TO STA 17+00**

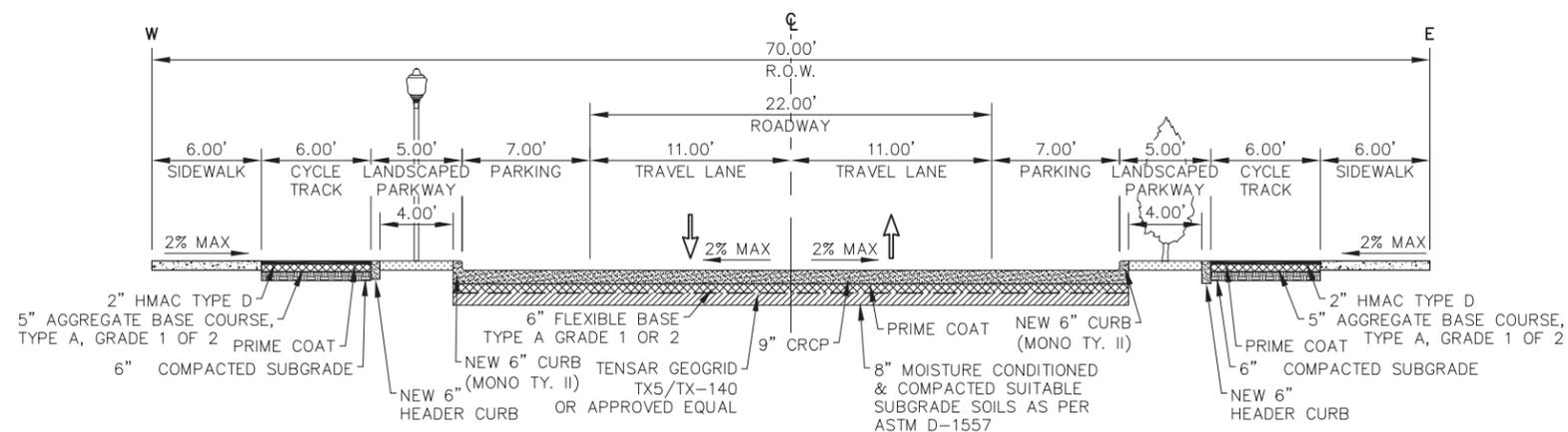
SHEET 2 OF 2

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	STP 2019/280/MM	105
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	562
		HIGHWAY NO.
		CS

F:\1213\SHEETS\ORDLV\_FMP\_Sixth Street.dwg Time: 10/23/2019 03:10pm Log: jgedgar DimScale: 1 LTScale: 0.5 Imago: 5



EXISTING TYPICAL SECTION  
OREGON STREET (PAISANO DR. TO SIXTH AVE.)



**NOTE:**  
PAVEMENT DESIGN SHALL BE SUBMITTED WITH THE PRELIMINARY DESIGN SUBMITTAL.

PROPOSED TYPICAL SECTION  
OREGON STREET (PAISANO DR. TO SIXTH AVE.)

DESIGN ELEMENTS	
DESIGN ELEMENT	FEATURE
ROADWAY	URBAN/CITY STREET
DESIGN SPEED	30 M.P.H.
TRAFFIC LANES	2 LANES, BOTH DIRECTIONS
ON-STREET PARKING	YES, PARALLEL
STREET TREES	EVERY 30'
SIDEWALK	6'
BICYCLE LANES/ACCOMMODATIONS	YES
LANDSCAPE BUFFER AT PARKWAY	4'
LIGHTING	YES
BUS STOPS	YES
INCREASE CROSSING LOCATIONS	NO
BUS STOP SHELTERS	NO
IMPROVE OPERATIONS AT INTERSECTION	15' CURB RADIUS (MIN.)
STREET FURNISHINGS	NONE
INTERSECTION SIGNALS	NONE

90% SUBMITTAL  
FOR INTERIM REVIEW ONLY

BY: RUBEN CHAVEZ P.E. NO. 87318

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 11/22/2019

**cea** 813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
group www.ceagroup.net  
TEXAS REGISTERED ENGINEERING FIRM F-4564



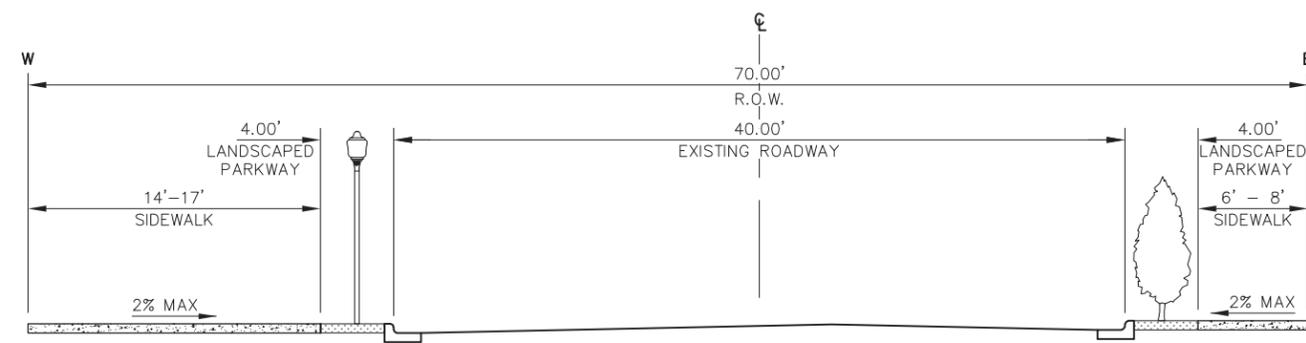
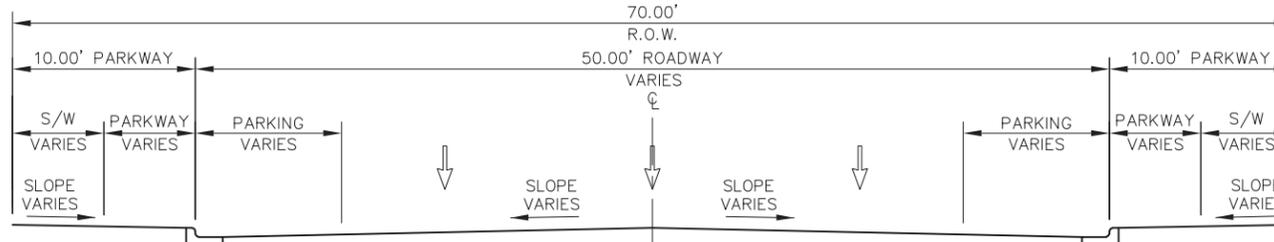
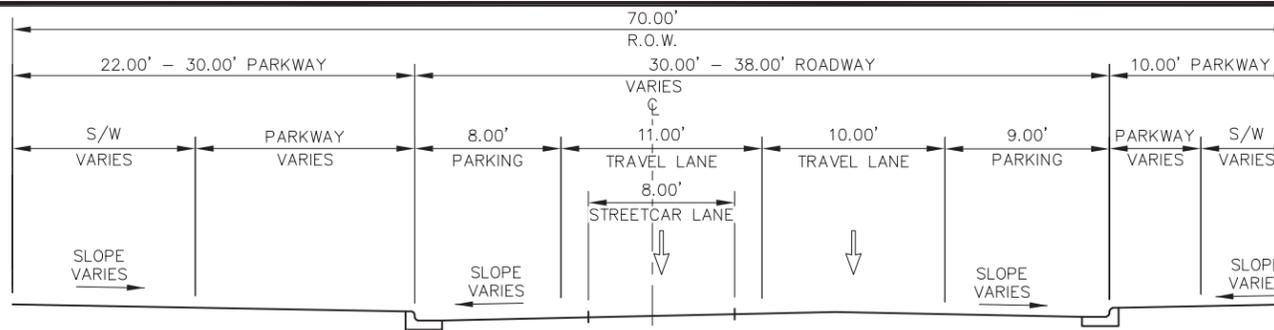
CENTRAL BUSINESS DISTRICT PHASE IV

TYPICAL SECTIONS

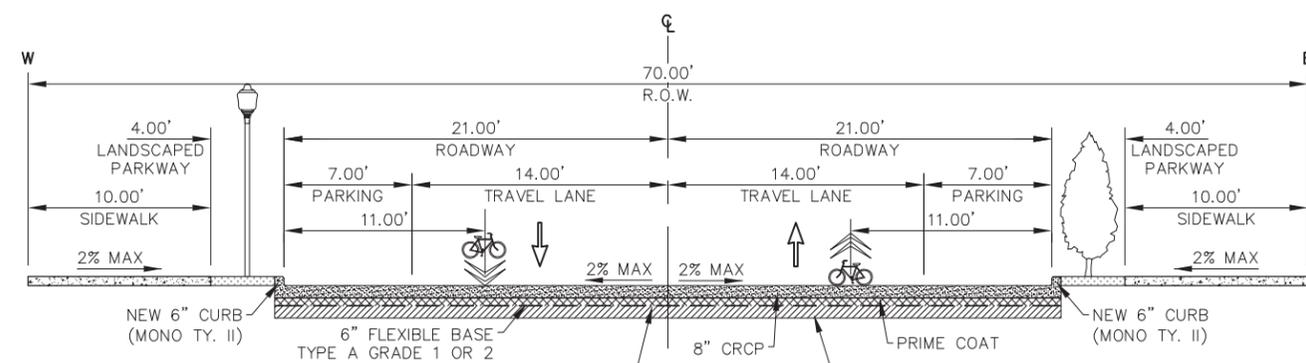
SHEET 1 OF 5

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	STP 2019(280)MM	33
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	562
		HIGHWAY NO.
		CS

OREGON STREET TYPICAL SECTIONS  
SCALE: N.T.S.



**NOTE:**  
PAVEMENT DESIGN SHALL BE SUBMITTED WITH THE PRELIMINARY DESIGN SUBMITTAL.



**NOTE:**  
PAVEMENT DESIGN SHALL BE SUBMITTED OR APPROVED EQUAL WITH THE PRELIMINARY DESIGN SUBMITTAL.

KANSAS STREET DESIGN ELEMENTS	
DESIGN ELEMENT	FEATURE
ROADWAY	URBAN/CITY STREET
DESIGN SPEED	30 M.P.H.
TRAFFIC LANES	2 LANES, BOTH DIRECTIONS
ON-STREET PARKING	YES, PARALLEL ON BOTH SIDES
STREET TREES	EVERY 30'
SIDEWALK	6' - 17'
BICYCLE LANES/ACCOMMODATIONS	NONE
LANDSCAPE BUFFER AT PARKWAY	4'
LIGHTING	YES
BUS STOPS	YES
INCREASE CROSSING LOCATIONS	NO
BUS STOP SHELTERS	NO
IMPROVE OPERATIONS AT INTERSECTION	15' CURB RADIUS (MIN.)
STREET FURNISHINGS	NO
INTERSECTION SIGNALS	SIGNAL UPGRADES REQUIRED FOR KANSAS PAISANO

KANSAS STREET DESIGN ELEMENTS	
DESIGN ELEMENT	FEATURE
ROADWAY	URBAN/CITY STREET
DESIGN SPEED	30 M.P.H.
TRAFFIC LANES	2 LANES, BOTH DIRECTIONS
ON-STREET PARKING	YES, PARALLEL ON BOTH SIDES
STREET TREES	EVERY 30'
SIDEWALK	10'
BICYCLE LANES/ACCOMMODATIONS	YES, SHARED WITH TRAVEL LANE
LANDSCAPE BUFFER AT PARKWAY	4'
LIGHTING	YES
BUS STOPS	YES
INCREASE CROSSING LOCATIONS	NO
BUS STOP SHELTERS	NO
IMPROVE OPERATIONS AT INTERSECTION	15' CURB RADIUS (MIN.)
STREET FURNISHINGS	NO
INTERSECTION SIGNALS	SIGNAL UPGRADES REQUIRED FOR KANSAS PAISANO

90% SUBMITTAL  
FOR INTERIM REVIEW ONLY

BY: RUBEN CHAVEZ P.E. NO. 87318

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 11/22/2019

**cea** 813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
www.ceagroup.net  
TEXAS REGISTERED ENGINEERING FIRM F-4564

CAPITAL IMPROVEMENT  
CITY OF EL PASO

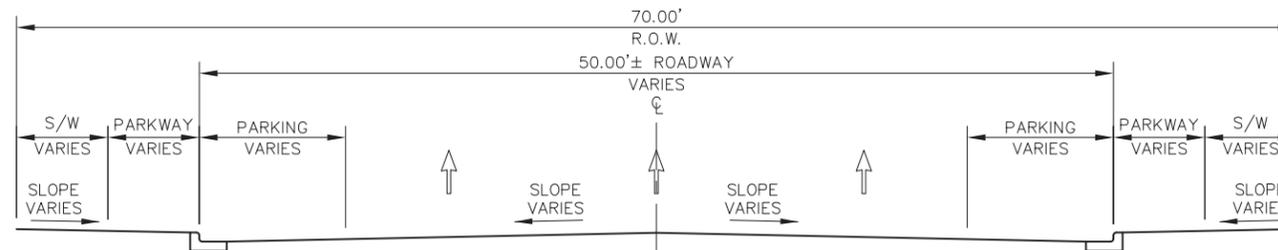
CENTRAL BUSINESS DISTRICT PHASE IV

TYPICAL SECTIONS

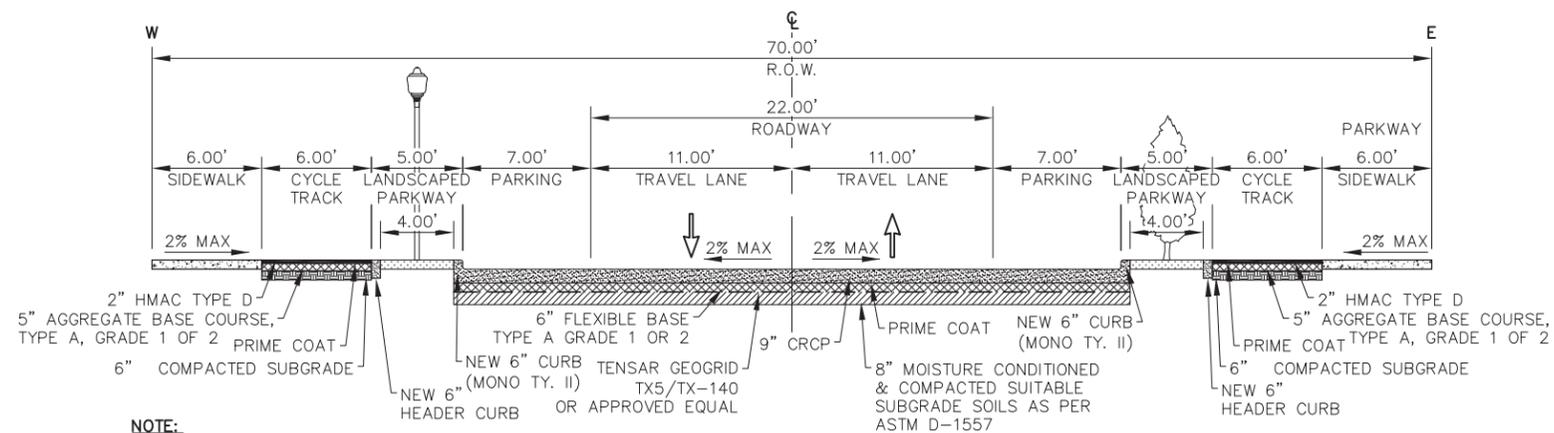
SHEET 2 OF 5

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	STP 2019(280)MM	34
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	562
		HIGHWAY NO.
		CS

KANSAS STREET TYPICAL SECTIONS  
SCALE: N.T.S.



EXISTING TYPICAL SECTION  
CAMPBELL STREET (PAISANO DR. TO BORDER HIGHWAY)



**NOTE:**  
PAVEMENT DESIGN SHALL BE SUBMITTED WITH THE PRELIMINARY DESIGN SUBMITTAL.

PROPOSED TYPICAL SECTION  
CAMPBELL STREET (PAISANO DR. TO BORDER HIGHWAY)

DESIGN ELEMENTS	
DESIGN ELEMENT	FEATURE
ROADWAY	URBAN/CITY STREET
DESIGN SPEED	30 M.P.H.
TRAFFIC LANES	2 LANES, BOTH DIRECTIONS
ON-STREET PARKING	YES, PARALLEL
STREET TREES	EVERY 30'
SIDEWALK	6'
BICYCLE LANES/ACCOMMODATIONS	YES
LANDSCAPE BUFFER AT PARKWAY	4'
LIGHTING	YES
BUS STOPS	YES
INCREASE CROSSING LOCATIONS	NO
BUS STOP SHELTERS	NO
IMPROVE OPERATIONS AT INTERSECTION	15' CURB RADIUS (MIN.)
STREET FURNISHINGS	NONE
INTERSECTION SIGNALS	NONE

90% SUBMITTAL  
FOR INTERIM REVIEW ONLY

BY: RUBEN CHAVEZ P.E. NO. 87318

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 11/22/2019

**cea** group  
813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
www.ceagroup.net  
TEXAS REGISTERED ENGINEERING FIRM F-4564



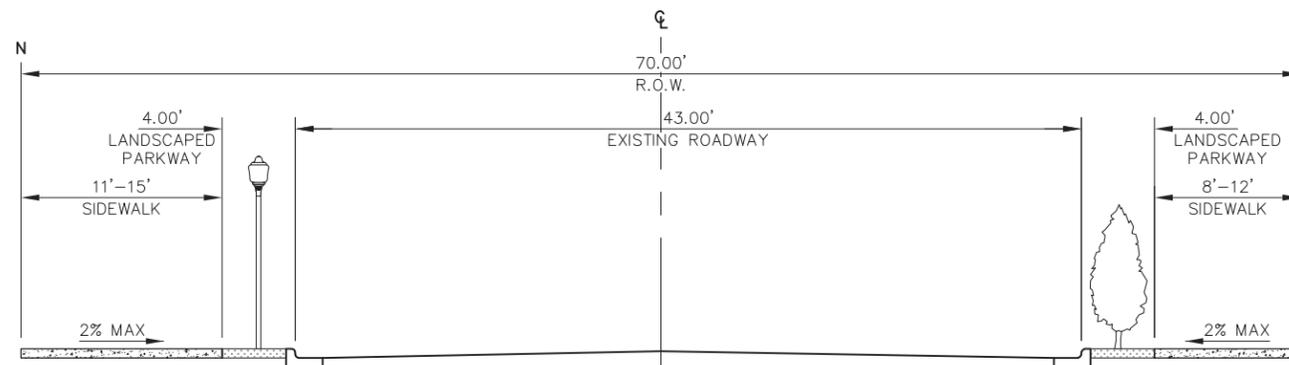
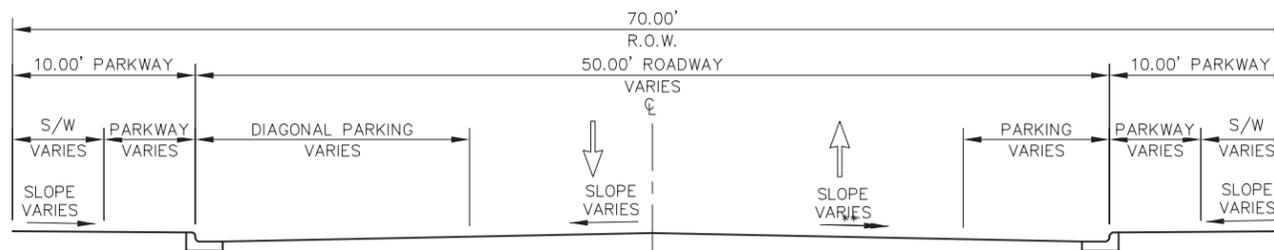
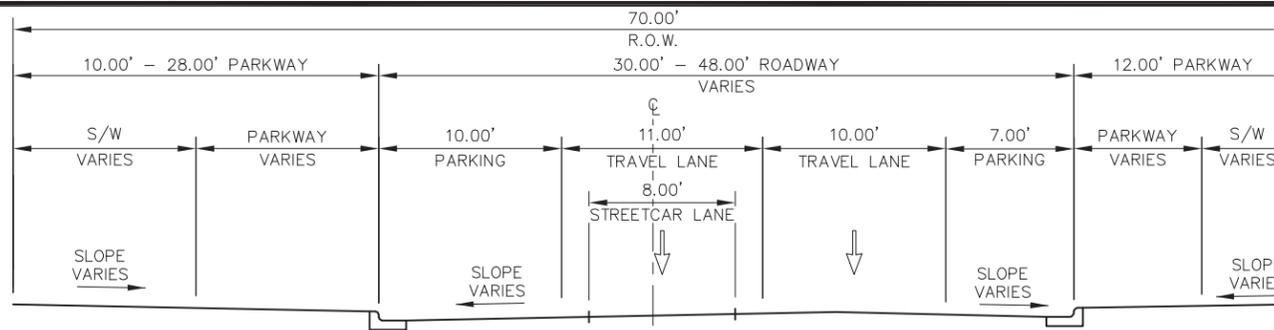
CENTRAL BUSINESS DISTRICT PHASE IV

TYPICAL SECTIONS

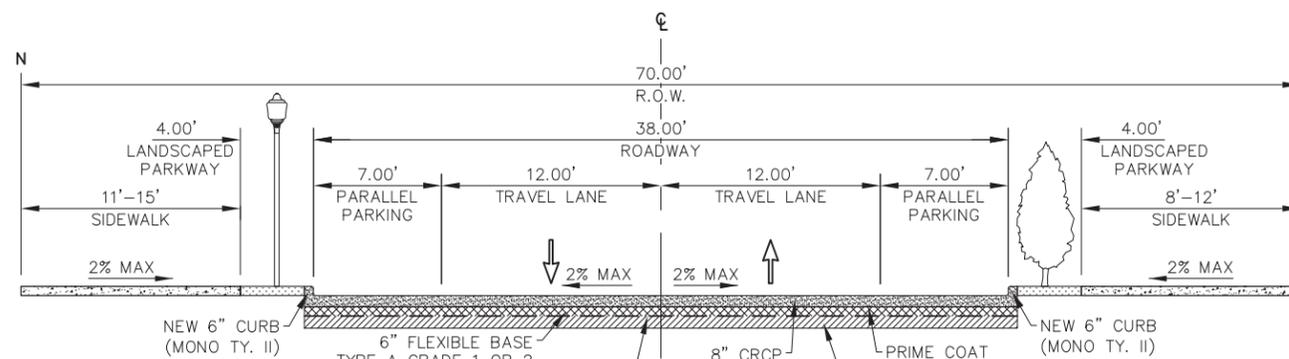
SHEET 3 OF 5

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.	
6	STP 2019(280)MM	35	
STATE	DIST.	COUNTY	
TEXAS	ELP	EL PASO	
CONT.	SECT.	JOB	HIGHWAY NO.
0924	06	562	CS

CAMPBELL STREET TYPICAL SECTIONS  
SCALE: N.T.S.



**NOTE:**  
PAVEMENT DESIGN SHALL BE SUBMITTED WITH THE PRELIMINARY DESIGN SUBMITTAL.



**NOTE:**  
PAVEMENT DESIGN SHALL BE SUBMITTED WITH THE PRELIMINARY DESIGN SUBMITTAL.

GEOGRID TENSAR TX5/TX-140 OR APPROVED EQUAL

8" MOISTURE CONDITIONED & COMPACTED SUITABLE SUBGRADE SOILS AS PER ASTM D-1557

FATHER RAHM AVENUE DESIGN ELEMENTS	
DESIGN ELEMENT	FEATURE
ROADWAY	URBAN/CITY STREET
DESIGN SPEED	30 M.P.H.
TRAFFIC LANES	2 LANES, BOTH DIRECTIONS
ON-STREET PARKING	BOTH SIDES, PARALLEL AND ANGLED
STREET TREES	EVERY 30'
SIDEWALK	8' - 15'
BICYCLE LANES/ACCOMMODATIONS	NONE
LANDSCAPE BUFFER AT PARKWAY	4' PARKWAY
LIGHTING	YES
BUS STOPS	YES
INCREASE CROSSING LOCATIONS	NO
BUS STOP SHELTERS	NO
IMPROVE OPERATIONS AT INTERSECTION	15' CURB RADIUS (MIN.)
STREET FURNISHINGS	NO

90% SUBMITTAL  
FOR INTERIM REVIEW ONLY

BY: RUBEN CHAVEZ P.E. NO. 87318

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 11/22/2019

**cea** 813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
group www.ceagroup.net  
TEXAS REGISTERED ENGINEERING FIRM F-4564



CENTRAL BUSINESS DISTRICT PHASE IV

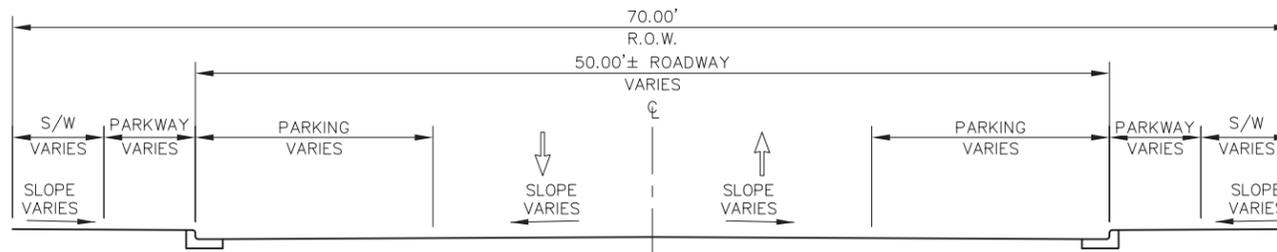
TYPICAL SECTIONS

SHEET 4 OF 5

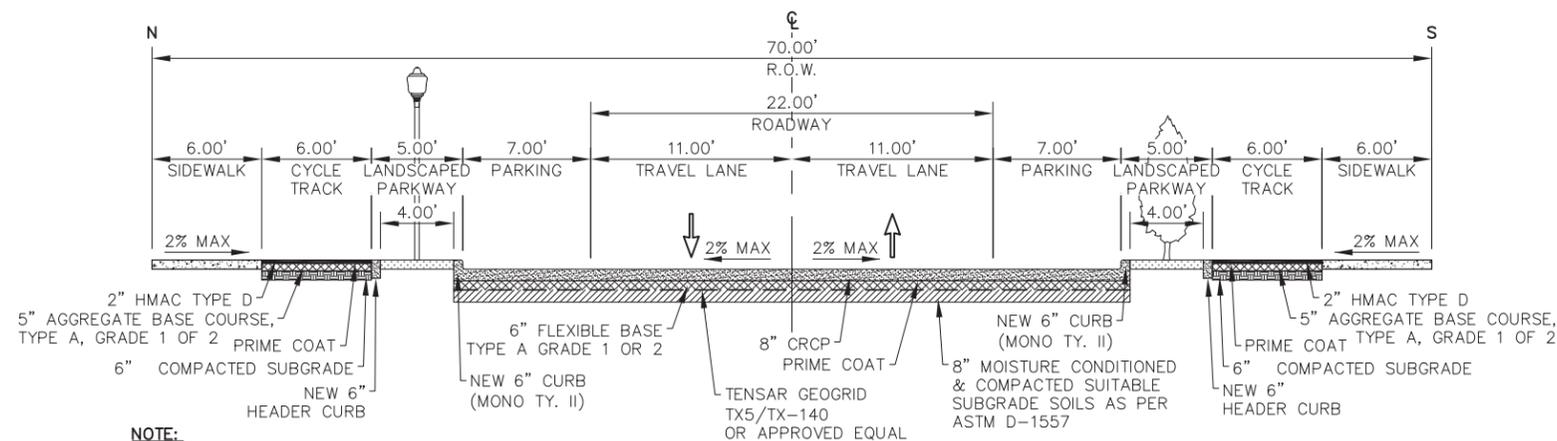
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	STP 2019(280)MM	36
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	562
		HIGHWAY NO.
		CS

FATHER RAHM AVENUE TYPICAL SECTIONS

SCALE: N.T.S.



EXISTING TYPICAL SECTION  
SIXTH AVENUE (EL PASO ST. TO CAMPBELL ST.)



**NOTE:**  
PAVEMENT DESIGN SHALL BE SUBMITTED WITH THE PRELIMINARY DESIGN SUBMITTAL.

PROPOSED TYPICAL SECTION  
SIXTH AVENUE (EL PASO ST. TO CAMPBELL ST.)

DESIGN ELEMENTS	
DESIGN ELEMENT	FEATURE
ROADWAY	URBAN/CITY STREET
DESIGN SPEED	30 M.P.H.
TRAFFIC LANES	2 LANES, BOTH DIRECTIONS
ON-STREET PARKING	YES, PARALLEL
STREET TREES	EVERY 30'
SIDEWALK	6'
BICYCLE LANES/ACCOMMODATIONS	YES
LANDSCAPE BUFFER AT PARKWAY	4'
LIGHTING	YES
BUS STOPS	YES
INCREASE CROSSING LOCATIONS	NO
BUS STOP SHELTERS	NO
IMPROVE OPERATIONS AT INTERSECTION	15' CURB RADIUS (MIN.)
STREET FURNISHINGS	NONE
INTERSECTION SIGNALS	NONE

SIXTH AVENUE TYPICAL SECTIONS  
SCALE: N.T.S.

90% SUBMITTAL  
FOR INTERIM REVIEW ONLY

BY: RUBEN CHAVEZ P.E. NO. 87318

NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE: 11/22/2019

**cea** 813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
group www.ceagroup.net  
TEXAS REGISTERED ENGINEERING FIRM F-4564

**CAPITAL IMPROVEMENT**  
CITY OF EL PASO  
CENTRAL BUSINESS DISTRICT PHASE IV

TYPICAL SECTIONS

SHEET 5 OF 5

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.	
6	STP 2019(280)MM	37	
STATE	DIST.	COUNTY	
TEXAS	ELP	EL PASO	
CONT.	SECT.	JOB	HIGHWAY NO.
0924	06	562	CS