N-09 (1) The western most portion of sidewalk abutting the south face of the Ximenes Ave Garage provided cross slopes varying between 2.7% up to 3.6% between the sloped concrete and the pillar; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to Section 403.3 – “... The cross slope of walking surfaces shall not be steeper than 1:48.”

N-09 (2) A 1” wide gap that was 1” deep was provided at the joint between the top of the southwestern most curb and the sidewalk west of the Ximenes Ave Garage; however, openings in ground surfaces shall not allow passage of a sphere more than ½” to conform to Section 302.3 – “Openings in floor or ground surfaces shall not allow passage of a sphere more than ½ inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.”

N-09 (3) Just before the southern most downspout drain, a 1” wide gap that was 1” deep was provided at the joint between the concrete panels of the sidewalk west of the Ximenes Ave Garage; however, openings in ground surfaces shall not allow passage of a sphere more than ½” to conform to Section 302.3 – “Openings in floor or ground surfaces shall not allow passage of a sphere more than ½ inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.”

N-09 (4) Just past the third southern most downspout drain, a 1” wide gap that was 1” deep was provided at the joint between the concrete panels of the sidewalk west of the Ximenes Ave Garage; however, openings in ground surfaces shall not allow passage of a sphere more than ½” to conform to Section 302.3 – “Openings in floor or ground surfaces shall not allow passage of a sphere more than ½ inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.”
N-09 (5) Along the entire length of the sidewalk west of the Ximenes Ave Garage, gaps up to 1” wide and 2” deep were provided along the curb line within the direction of travel; however, openings in ground surfaces shall not allow passage of a sphere more than ½” diameter and elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel for conformance with Section 302.3 – “Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.”
O-10 (1)  The curb ramp just north of the accessible parking area provided running slopes of 8.9% at the bottom up to 9.6% at the top of the ramp; however, curb ramps must provide slopes not steeper than 1:12 (8.33%) to conform to Section 405.2 per Section 406.1 – “Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.”

O-10 (2)  The following conditions were observed throughout the 17 accessible parking spaces and their access aisles in the parking area west of the Applied Engineering and Technology Building:

a.  The permanently installed sign designating the northern most accessible parking space was not provided (modular sign observed on a post); however, accessible parking spaces shall be designated by signs complying with Section 502.6 for conformance with Section 216.5 – “Parking spaces complying with 502 shall be identified by signs complying with 502.6.”

b.  The second northern most access aisle in-between the two Van Accessible parking spaces was 7’-10” wide measured from centerline to centerline of the markings. Where an access aisle serves a Van Accessible parking space which is 8’ wide, the access aisle shall be 8’ wide minimum measured from centerline to centerline of the markings for conformance with Section 502.2 Exception – “Van parking spaces shall be permitted to be 96 inches (2440 mm) wide minimum where the access aisle is 96 inches (2440 mm) wide minimum.”

c.  The third northern most access aisle serving a Van Accessible parking space was 7’-10” wide measured from centerline to centerline of the markings. Where an access aisle serves a Van Accessible parking space which is 8’ wide, the access aisle shall be 8’ wide minimum measured from centerline to centerline of the markings for conformance with Section 502.2 Exception – “Van parking spaces shall be permitted to be 96 inches (2440 mm) wide minimum where the access aisle is 96 inches (2440 mm) wide minimum.”
d. The fifth, sixth, seventh and ninth northern most access aisles which served accessible car parking spaces were 4'-11” wide measured from centerline to centerline of the markings. Where access aisles serve accessible car parking spaces, the access aisle shall be 5’ wide minimum measured from centerline to centerline of the markings for conformance with **Section 502.3.1** – “Access aisles serving car and van parking spaces shall be 60 inches (1525 mm) wide minimum.”

e. The 12th northern most access aisle which served an accessible car parking space was 4’-10” wide measured from centerline to centerline of the markings. Where an access aisle serves an accessible car parking space, the access aisle shall be 5’ wide minimum measured from centerline to centerline of the markings for conformance with **Section 502.3.1** – “Access aisles serving car and van parking spaces shall be 60 inches (1525 mm) wide minimum.”

**Note:** Section 502.1 stipulates where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings.

O-10 (3) The sidewalk in front of the accessible parking area west of the Applied Engineering and Technology Building provided cross slopes varying between 1.4% up to 3.2%; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to **Section 403.3** – “… The cross slope of walking surfaces shall not be steeper than 1:48.”

O-10 (4) A portion of the sidewalk when making the 90 degree turn toward the sloped walking surface (identified as accessible route) accessing the Applied Engineering and Technology Building provided cross slopes up to 3.2% to 3.6%; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to **Section 403.3** – “… The cross slope of walking surfaces shall not be steeper than 1:48.”
O-10 (5) The portion of connecting sidewalk northwest of the Applied Engineering and Technology Building provided cross slopes varying between 2.8% up to 5.9%; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to Section 403.3 – “... The cross slope of walking surfaces shall not be steeper than 1:48.”

O-10 (6) The following conditions were observed within the dog-leg sloped walking surface accessing the Applied Engineering and Technology Building:

a. Within the first (bottom) run of the walking surface, running slopes of 5.7% were provided at the bottom, between 5.3% and 5.6% in the middle, and 5.2% to 5.4% at the top; however, walking surfaces must provide running slopes not steeper than 1:20 (5%) to conform to Section 403.3 – “The running slope of walking surfaces shall not be steeper than 1:20…”

b. Within the second (middle) run of the walking surface, running slopes of 5.5% to 5.6% were provided within the two concrete panels just before the southern most set of stairs; however, walking surfaces must provide running slopes not steeper than 1:20 (5%) to conform to Section 403.3 – “The running slope of walking surfaces shall not be steeper than 1:20…”

c. Within the second (middle) run of the walking surface, a sanitary sewer drain cover near the northern most set of stairs provided two separate handles on each end of the cover with openings measuring 1-3/4” deep, 2” wide, and 3-1/2” long within the direction of travel; however, openings in ground surfaces shall not allow passage of a sphere more than ½” diameter and elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel for conformance with Section 302.3 – “Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.”
d. Within the third (top) run of the walking surface, running slopes of 5.5% were provided in the middle and 6.6% were provided at the top; however, walking surfaces must provide running slopes not steeper than 1:20 (5%) to conform to Section 403.3 – “The running slope of walking surfaces shall not be steeper than 1:20...”

e. Within the third (top) run of the walking surface, a storm drain cover in the second concrete panel from the top provided two separate handles on each end of the cover with openings measuring 1-3/4" deep, 2” wide, and 3-1/2" long within the direction of travel; however, openings in ground surfaces shall not allow passage of a sphere more than ½" diameter and elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel for conformance with Section 302.3 – “Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.”

O-10 (7) The following conditions were observed at the northern most set of stairs which access the second (middle) run of the ramped walking surface:

a. The top handrail extensions on both sides did not return to a wall or the landing surface which does not conform to Section 505.10.2 – “…Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.”

b. The bottom handrail extensions on both sides did not return to a wall or the landing surface which does not conform to Section 505.10.3 – “…Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.”

O-10 (8) At the stairs which run parallel to the north face of the Applied Engineering and Technology Building, the third step from the bottom of the stairs was missing a nosing cap resulting in uneven surfaces at the nosing which does not conform to Section 504.5 – “The radius of curvature at the leading edge of the tread shall be 1/2 inch (13 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches (38 mm) maximum over the tread below.”
O-10 (9) The section of concrete just before the asphalt marked crossing in the lower level tunnel east of the Applied Engineering and Technology Building provided a cross slope of 5.0% when making a 90 degree turn either north or south along the sidewalk; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to **Section 403.3** – “... The cross slope of walking surfaces shall not be steeper than 1:48.”

O-10 (10) The northern most curb ramp within the lower level tunnel east of the Applied Engineering and Technology Building measured 8.5%; however, curb ramps must provide slopes not steeper than 1:12 (8.33%) to conform to Section 405.2 per **Section 406.1** – “Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.”

**Tolerance Note:** Although this curb ramp provides slopes slightly in excess of the maximum allowed, this condition could be considered to be within an acceptable tolerance based on the experience of the consultant.

O-10 (11) The marked crossing in the lower level tunnel east of the Applied Engineering and Technology Building measured running slopes varying between 5.7% up to 6.5%; however, walking surfaces must provide running slopes not steeper than 1:20 (5%) to conform to **Section 403.3** – “The running slope of walking surfaces shall not be steeper than 1:20...”

O-10 (12) Cross slopes of 3.0% were provided within the grooved portion of the walking surface in the lower level tunnel east of the Applied Engineering and Technology Building; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to **Section 403.3** – “… The cross slope of walking surfaces shall not be steeper than 1:48.”

O-10 (13) Along the portion of sidewalk which abuts the eastern face of the Applied Engineering and Technology Building, running slopes varying between 4.1% up to 9.1% were provided; however, walking surfaces must provide running slopes not steeper than 1:20 (5%) to conform to **Section 403.3** – “The running slope of walking surfaces shall not be steeper than 1:20...”

**Note:** The above referenced walking surface in the lower level tunnel east of the Applied Engineering and Technology Building does not appear to be along an accessible connecting route.

O-10 (14) The sloped walkway west of the Applied Engineering and Technology Building provided running slopes up to 5.8% on the northern half of the walking surface; however, walking surfaces must provide running slopes not steeper than 1:20 (5%) to conform to **Section 403.3** – “The running slope of walking surfaces shall not be steeper than 1:20...”

O-10 (15) The following conditions were observed within the ramp west of the Applied Engineering and Technology Building:

a. A storm drain cover near the middle of the ramp provided two separate handles on each end of the cover with openings measuring 1-3/4” deep, 2” wide, and 3-1/2” long within the direction of travel; however, openings in ground surfaces shall not allow passage of a sphere more than ½” diameter and elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel for conformance with **Section 302.3** – “Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.”
b. Running slopes varying between 11.2% at the top, 8.5% in the middle, and 9.3% at the bottom were provided; however, ramp runs shall have a running slope not steeper than 1:12 (8.33%) for conformance with Section 405.2 – “Ramp runs shall have a running slope not steeper than 1:12.”

c. Cross slopes of 4.4% were provided around the storm drain near the middle of the ramp; however, the cross slope of ramp runs shall not be steeper than 1:48 (2.08%) for conformance with Section 405.3 – “Cross slope of ramp runs shall not be steeper than 1:48.”

d. A running slope of 2.6% was provided at the bottom ramp landing; however, slopes not steeper than 1:48 (2.08%) shall be permitted in ramp landings to conform to Section 405.7.1 Exception – “Slopes not steeper than 1:48 shall be permitted.”
O-11 (1) The following conditions were observed at the two southern most accessible parking spaces and their access aisles in the accessible parking area west of the Applied Engineering and Technology Building:

a. The northern most access aisle which served an accessible car parking space was 4'-10" wide measured from centerline to centerline of the markings. Where access aisles serve accessible car parking spaces, the access aisle shall be 5’ wide minimum measured from centerline to centerline of the markings for conformance with Section 502.3.1 – “Access aisles serving car and van parking spaces shall be 60 inches (1525 mm) wide minimum.”

b. The southern most access aisle serving a Van Accessible parking space was 7'-6” wide measured from centerline to centerline of the markings. Where access aisle serve Van Accessible parking space which are 8’ wide, the access aisle shall be 8’ wide minimum measured from centerline to centerline of the markings for conformance with Section 502.2 Exception – “Van parking spaces shall be permitted to be 96 inches (2440 mm) wide minimum where the access aisle is 96 inches (2440 mm) wide minimum.”

Note: Section 502.1 stipulates where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings.

O-11 (2) The following conditions were observed at the ramp connecting the sidewalk adjacent to the Applied Engineering and Technology Building and the parking west of the building:

a. The top 2’ of the ramp provided a running slope of 8.8%; however, ramp runs shall have a running slope not steeper than 1:12 (8.33%) for conformance with Section 405.2 – “Ramp runs shall have a running slope not steeper than 1:12.”

Tolerance Note: Although this ramp provides running slopes slightly in excess of the maximum allowed, this condition could be considered to be within an acceptable tolerance based on the experience of the consultant.

b. A cross slope of 2.2% was provided at the top 2’ of the ramp; however, the cross slope of ramp runs shall not be steeper than 1:48 (2.08%) for conformance with Section 405.3 – “Cross slope of ramp runs shall not be steeper than 1:48.”

Tolerance Note: Although this ramp provides cross slopes slightly in excess of the maximum allowed, this condition could be considered to be within an acceptable tolerance based on the experience of the consultant.

c. A running slope of 2.8% and a cross slope of 2.3% was provided at the bottom ramp landing; however, slopes not steeper than 1:48 (2.08%) shall be permitted in ramp landings to conform to Section 405.7.1 Exception – “Slopes not steeper than 1:48 shall be permitted.”

Tolerance Note: Although this ramp landing provides a cross slope slightly in excess of the maximum allowed, this condition could be considered to be within an acceptable tolerance based on the experience of the consultant.

d. A running slope of 4.7% was provided on the top ramp landing; however, slopes not steeper than 1:48 (2.08%) shall be permitted in ramp landings to conform to Section 405.7.1 Exception – “Slopes not steeper than 1:48 shall be permitted.”

O-11 (3) When crossing the drive lane south of the Applied Engineering and Technology Building, the portion of concrete just before the northwestern most curb ramp of the landscape island provided varied cross slopes of 2.3% up to 4.0%; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to Section 403.3 – “… The cross slope of walking surfaces shall not be steeper than 1:48.”

O-11 (4) The portion of sidewalk between the curb ramps at the landscape island south of the Applied Engineering and Technology Building provided cross slopes varying between 2.3% up to 2.9%; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to Section 403.3 – “… The cross slope of walking surfaces shall not be steeper than 1:48.”
O-11 (5) The following conditions were observed at the ramp along the southern part of the landscape island south of the Applied Engineering and Technology Building and the parking west of the building:

a. Running slopes of 2.5% up to 3.3% were provided on the bottom ramp landing; however, slopes not steeper than 1:48 (2.08%) shall be permitted in ramp landings to conform to Section 405.7.1 Exception – “Slopes not steeper than 1:48 shall be permitted.”

b. A running slope of 2.2% was provided at the top ramp landing; however, slopes not steeper than 1:48 (2.08%) shall be permitted in ramp landings to conform to Section 405.7.1 Exception – “Slopes not steeper than 1:48 shall be permitted.”

Tolerance Note: Although this ramp landing provides a cross slope slightly in excess of the maximum allowed, this condition could be considered to be within an acceptable tolerance based on the experience of the consultant.

c. The exterior (exposed) side of the ramp provided 7” to 8” of extended ground surface edge protection beyond the face of the handrail; however, at least 12” minimum of extended ground surface shall be provided as edge protection for conformance with Section 405.9.1 – “The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505.”
O-11 (6) Cross slopes of 2.4% up to 2.9% were provided on the eastern portion of the sidewalk commencing just after the ramp landing; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to Section 403.3 – “... The cross slope of walking surfaces shall not be steeper than 1:48.”

O-11 (7) The curb ramp located on the northeast side of the landscape island south of the Applied Engineering and Technology Building provided running slopes of 11.2% at the top and 8.6% at the bottom; however, curb ramps must provide slopes not steeper than 1:12 (8.33%) to conform to Section 405.2 per Section 406.1 – “Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.”

O-11 (8) The portion of sidewalk abutting the drive lane on the south face of the Applied Engineering and Technology Building provided a cross slope of 2.8%; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to Section 403.3 – “... The cross slope of walking surfaces shall not be steeper than 1:48.”

O-11 (9) Grates in the sidewalk abutting the south face of the Applied Engineering and Technology Building measured 1” wide and 5’ long within the direction of travel; however, openings in ground surfaces shall not allow passage of a sphere more than ½” diameter and elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel for conformance with Section 302.3 – “Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.”
O-11 (10)  When traveling west across the drive lane from the southeastern most corner (ramp landing) of the landscape island south of the Applied Engineering and Technology Building, cross slopes of 3.0% up to 3.8% were provided on the 3’ of asphalt just before the curb ramp along the sidewalk west of the island; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to Section 403.3 – “... The cross slope of walking surfaces shall not be steeper than 1:48.”

O-11 (11)  When traveling to “Emergency 7416” button southwest of the Applied Engineering and Technology Building, a cross slope of 2.9% is provided when making the 90 degree turn at the bottom concrete landing abutting the asphalt; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to Section 403.3 – “... The cross slope of walking surfaces shall not be steeper than 1:48.”
P-12 (1) A crack in the sidewalk joints at the 90 degree turn onto the connecting sidewalk provided changes in level varying between 1” to 2-1/2” wide and ½” to ¾” deep shear; however, changes in level in walking surfaces of 1/4” high maximum are permitted to be vertical and 1/4” high minimum to 1/2” high maximum must be beveled 1:2 for conformance with Section 303 per **Section 403.4** - "Changes in level shall comply with 303."

P-12 (2) Cross slopes varying between 2.7% up to 4.1% were provided within the general circulation area of the southwestern portion of the Paseo del Sur sidewalk; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to **Section 403.3** – “... The cross slope of walking surfaces shall not be steeper than 1:48.”

P-12 (3) A running slope of 5.3% was provided along the southern end of Paseo del Sur sidewalk; however, walking surfaces must provide running slopes not steeper than 1:20 (5%) to conform to **Section 403.3** – “The running slope of walking surfaces shall not be steeper than 1:20...”

**Tolerance Note:** Although this walking surface provides running slopes slightly in excess of the maximum allowed, this condition could be considered to be within an acceptable tolerance based on the experience of the consultant.
P-12 (4)  Cross slopes varying between 3.5% and 4.4% were provided within the general circulation area of the southeastern portion of the Paseo del Sur sidewalk; however, walking surfaces must provide cross slopes not steeper than 1:48 (2.08%) to conform to Section 403.3 – “... The cross slope of walking surfaces shall not be steeper than 1:48.”

P-12 (5)  Clumps of raised concrete were provided in the general circulation area of the southeastern portion of the Paseo del Sur sidewalk resulting in changes in level of ¾” high; however, changes in level in walking surfaces of 1/4” high maximum are permitted to be vertical and 1/4” high minimum to 1/2” high maximum must be beveled 1:2 for conformance with Section 303 per Section 403.4 - "Changes in level shall comply with 303."

Note: This portion of the Paseo del Sur sidewalk (south of the accessible parking area and bus stop) is not along an accessible connecting route however may be used as a general circulation path.