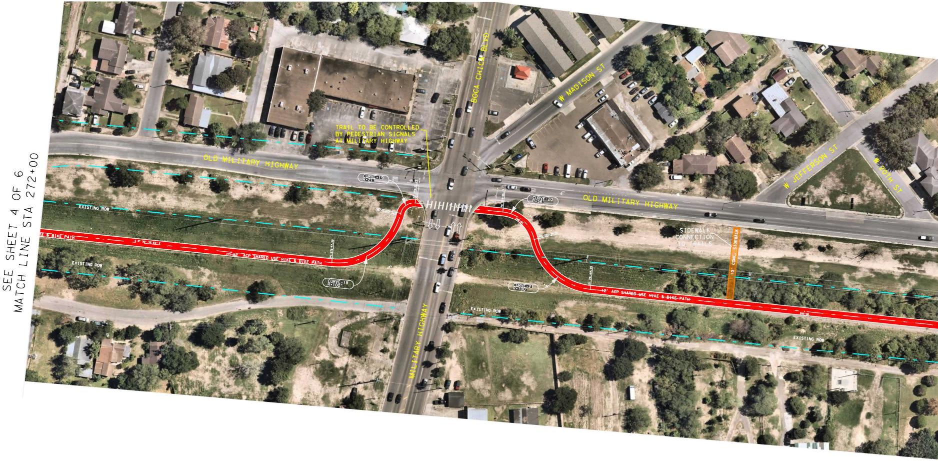
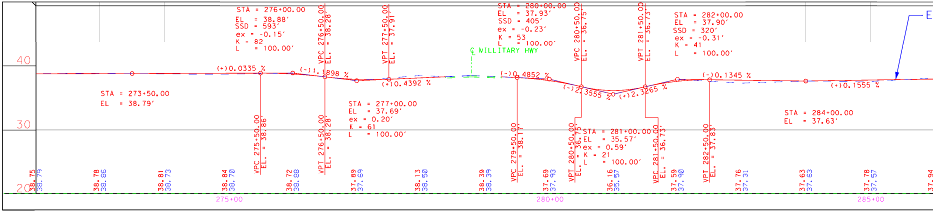
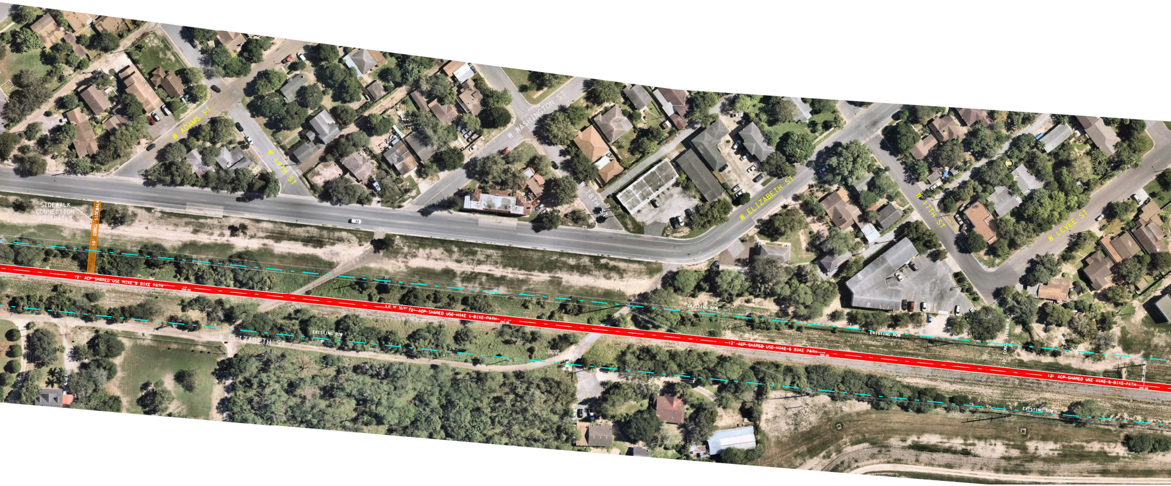
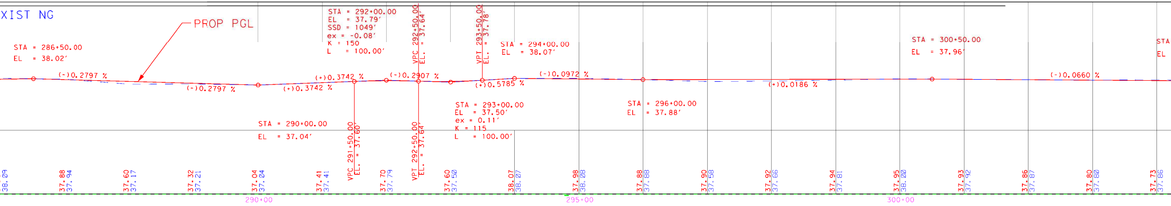
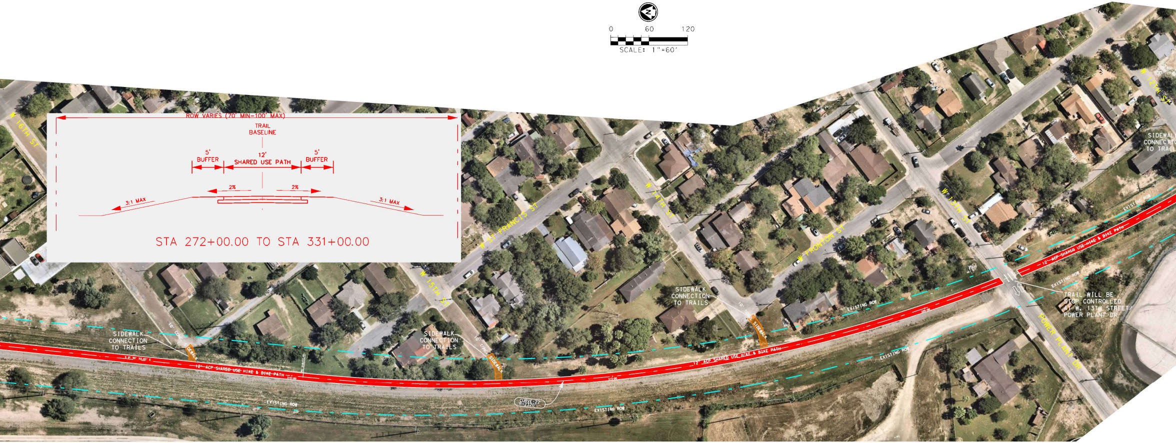
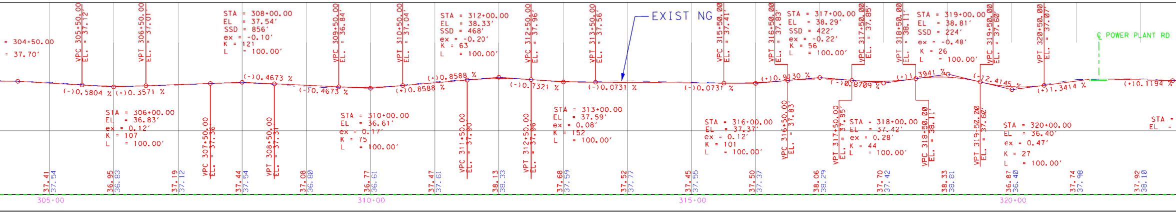

SEE SHEET 4 OF 6
MATCH LINE STA 272+00
OLD MILITARY HIGHWAY
BOCA CHICA BLVD
W MADISON ST
W JEFFERSON ST
W 20TH ST
MILITARY HIGHWAY
TRAIL TO BE CONTROLLED BY PEDESTRIAN SIGNALS AT MILITARY HIGHWAY
CURVE-19 R=21'
CURVE-18 R=100'
CURVE-20 R=56'
CURVE-21 R=100'
EXISTING ROW
EXISTING ROW
EXISTING ROW
EXISTING ROW
& BIKE PATH
ACP SHARED USE HIKE & BIKE PATH
12' ACP SHARED USE HIKE & BIKE PATH
SIDEWALK CONNECTION TO TRAILS
10' CONC. SIDEWALK

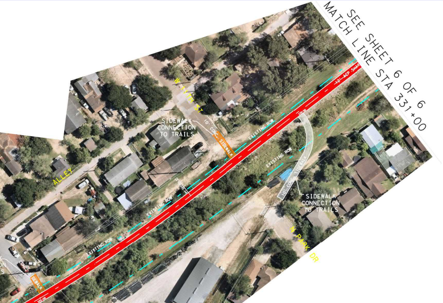


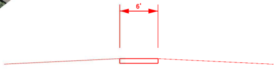

W ADAMS ST
W 19TH ST
W WASHINGTON ST
W 18TH ST
W ELIZABETH ST
W 17TH ST
W LEVEE ST
SIDEWALK CONNECTION TO TRAILS
10' CONC. SIDEWALK
12' ACP SHARED USE HIKE & BIKE PATH
290+00
295+00
300+00
EXISTING ROW
W ELIZABETH ST


XIST NG
PROP PGL
STA = 286+50.00
EL = 38.02'
(-)0.2797 %
(-)0.2797 %
STA = 290+00.00
EL = 37.04'
(+)0.3742 %
(+)0.3742 %
VPC 291+50.00
EL. = 37.60'
STA = 292+00.00
EL = 37.79'
SSD = 1049'
ex = -0.08'
K = 150
L = 100.00'
(-)0.2907 %
VPC 292+50.00
EL. = 37.64'
VPT 292+50.00
EL. = 37.64'
VPT 293+50.00
EL. = 37.78'
STA = 293+00.00
EL = 37.50'
ex = 0.11'
K = 115
L = 100.00'
(+)0.5785 %
STA = 294+00.00
EL = 38.07'
(-)0.0972 %
STA = 296+00.00
EL = 37.88'
(+)0.0186 %
STA = 300+50.00
EL = 37.96'
(-)0.0660 %
STA
EL
38.09
37.88
37.94
37.60
37.17
37.32
37.21
37.04
37.04
37.41
37.41
37.70
37.79
37.60
37.50
38.07
38.07
37.98
38.08
37.88
37.88
37.90
37.58
37.92
37.66
37.94
37.81
37.95
38.00
37.93
37.92
37.86
37.87
37.80
37.80
37.73
37.86
290+00
295+00
300+00

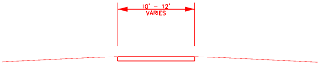

0
60
120
SCALE: 1"=60'
ROW VARIES (70' MIN-100' MAX)
TRAIL BASELINE
5' BUFFER
12' SHARED USE PATH
5' BUFFER
2%
2%
3:1 MAX
3:1 MAX
STA 272+00.00 TO STA 331+00.00
W 16TH ST
W 15TH ST
W ST FRANCIS ST
W 14TH ST
W FRONTON ST
W 13TH ST
W 12TH ST
POWER PLANT DR
SIDEWALK CONNECTION TO TRAILS
SIDEWALK CONNECTION TO TRAILS
SIDEWALK CONNECTION TO TRAILS
SIDEWALK CONNECTION TO TRAIL
12' ACP SHARED USE HIKE & BIKE PATH
12' ACP SHARED USE HIKE & BIKE PATH
12' ACP SHARED USE HIKE & BIKE PATH
EXISTING ROW
EXISTING ROW
EXISTING ROW
EXISTING ROW
EXISTING ROW
EXISTING ROW
CURVE 22
TRAIL WILL BE STOP CONTROLLED AT W. 13TH STREET/ POWER PLANT DR
SIDEWALK
SIDEWALK
SIDEWALK


= 304+50.00
= 37.70'
VPC 305+50.00 EL. = 37.12'
VPT 306+50.00 EL. = 37.01'
STA = 308+00.00
EL = 37.54'
SSD = 856'
ex = -0.10'
K = 121
L = 100.00'
VPC 309+50.00 EL. = 36.84'
VPT 310+50.00 EL. = 37.04'
STA = 312+00.00
EL = 38.33'
SSD = 468'
ex = -0.20'
K = 63
L = 100.00'
VPC 312+50.00 EL. = 37.96'
VPT 313+50.00 EL. = 37.56'
EXIST NG
VPC 315+50.00 EL. = 37.41'
VPT 316+50.00 EL. = 37.83'
STA = 317+00.00
EL = 38.29'
SSD = 422'
ex = -0.22'
K = 56
L = 100.00'
VPC 317+50.00 EL. = 37.85'
VPT 318+50.00 EL. = 38.11'
STA = 319+00.00
EL = 38.81'
SSD = 224'
ex = -0.48'
K = 26
L = 100.00'
VPC 319+50.00 EL. = 37.60'
VPT 320+50.00 EL. = 37.07'
℄ POWER PLANT RD
(-)0.5804 %
(+)0.3571 %
(-)0.4673 %
(-)0.4673 %
(+)0.8588 %
(+)0.8588 %
(-)0.7321 %
(-)0.0731 %
(-)0.0731 %
(+)0.9130 %
(-)0.8709 %
(+)1.3941 %
(-)2.4145 %
(+)1.3414 %
(+)0.1194 %
STA = 306+00.00
EL = 36.83'
ex = 0.12'
K = 107
L = 100.00'
VPC 307+50.00 EL. = 37.36
VPT 308+50.00 EL. = 37.31
STA = 310+00.00
EL = 36.61'
ex = 0.17'
K = 75
L = 100.00'
VPC 311+50.00 EL. = 37.90
VPT 312+50.00 EL. = 37.96
STA = 313+00.00
EL = 37.59'
ex = 0.08'
K = 152
L = 100.00'
STA = 316+00.00
EL = 37.37'
ex = 0.12'
K = 101
L = 100.00'
VPC 316+50.00 EL. = 37.83'
VPT 317+50.00 EL. = 37.85'
STA = 318+00.00
EL = 37.42'
ex = 0.28'
K = 44
L = 100.00'
VPC 318+50.00 EL. = 38.11'
VPT 319+50.00 EL. = 37.60'
STA = 320+00.00
EL = 36.40'
ex = 0.47'
K = 27
L = 100.00'
STA =
EL =
37.41 37.54
36.95 36.83
37.19 37.12
37.44 37.54
37.08 36.80
36.77 36.61
37.47 37.61
38.13 38.33
37.68 37.59
37.52 37.77
37.45 37.55
37.50 37.37
38.06 38.29
37.70 37.42
38.33 38.81
36.87 36.40
37.74 37.98
37.92 38.10
305+00
310+00
315+00
320+00

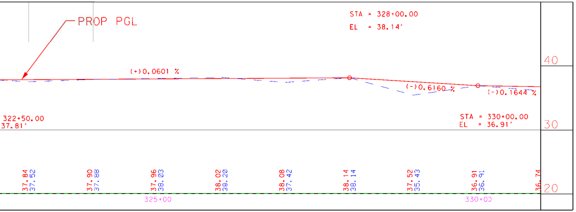

SEE SHEET 6 OF 6
MATCH LINE STA 331+00
W 11TH ST
ALLEY
N PARK DR
SIDEWALK CONNECTION TO TRAILS
10' CONC. SIDEWALK
EXISTING ROW
SIDEWALK CONNECTION TO TRAILS
10' CONC. SIDEWALK
12' ACP SHAR
330+00
325+00



PROPOSED 6FT SIDEWALK

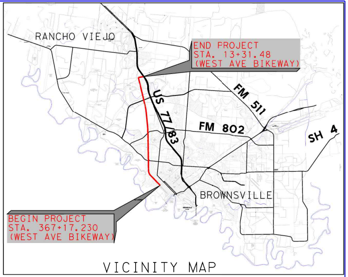

10' - 12'
VARIES

PROPOSED 10FT - 12FT CONC. PATH



PLAN LEGEND

— — —	EXISTING RIGHT OF WAY
——	EXISTING PROPERTY LINE
▨	PROPOSED SHARED USE HIKE AND BIKE TRAIL


RANCHO VIEJO
END PROJECT
STA. 13+31.48
(WEST AVE BIKEWAY)
FM 511
US 77/83
FM 802
SH 4
BROWNSVILLE
BEGIN PROJECT
STA. 367+17.230
(WEST AVE BIKEWAY)

VICINITY MAP

SCHEMATIC LAYOUT
WEST RAIL TRAIL
CONCEPTUAL SCHEMATIC
CAMERON COUNTY

LIMITS: FROM: PALM BLVD
TO: IH-69E SB FTRG RD

DESIGN DATA

C.S.J.: 0921-06-293

LENGTH: 6.7 MILES

FUNCTIONAL CLASSIFICATION: LOCAL

©2021 Texas Department of Transportation

DESIGN SPEED: 15 MPH

DESIGN CRITERIA: TXDOT ROADWAY DESIGN MANUAL CHAPTER 6, SECTION 4. AASHTO GUIDE FOR THE DEVELOPMENT OF BYCICLE FACILITIES. ADA GUIDELINES.

DESIGN EXCEMPTIONS REQUIRED: NONE

100 % SUBMITTAL
2/5/2021

STA 272+00 TO STA 331+00

ROLL 5 OF 6

NOT A BIDDING DOCUMENT
ORIGINAL SIGN AND DATED: $DATE$
Guillermo Arratia P.E.
GUILLERMO A. ARRATIA, P.E.
TEXAS REGISTRATION NUMBER: 94001

City of Brownsville On the Border By the Sea Texas

THE COUNTY OF CAMERON BROWNSVILLE, TEXAS

RMA
CAMERON COUNTY REGIONAL MOBILITY AUTHORITY

S&B INFRASTRUCTURE, LTD.
TEXAS BOARD OF PROFESSIONAL ENGINEERS #: F-1582

WEST RAIL TRAIL

DRAWING:	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
CK:	6	TEXAS				
ENGINEER:	STATE DIST. NO	COUNTY	CONT	SECT	JOB	SHEET NO.
CK:	PHR	CAMERON	0921	06	293	5
REVIEW:						
CK:						