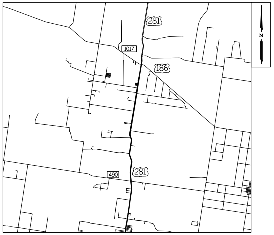
Scale: 0' 100' 200' 400'

Date: 4/24/2017

CSJ: 0255-07-140

US 281



281
1017
186
490
281
N

LOCATION MAP
N.T.S.

Texas Department of Transportation ® © 2017

CobbFendley
TBPE Firm Registration No. 274
TBPLS Firm Registration No. 100467
13430 Northwest Freeway, Suite 1100
Houston, Texas 77040
713.462.3242 | fax 713.462.3262
www.cobbfendley.com

TEXAS DEPARTMENT OF TRANSPORTATION
PRELIMINARY DESIGN SCHEMATIC
US HIGHWAY 281
HIDALGO COUNTY

LIMITS: From: 0.690 MILES SOUTH OF SH 186
To: 0.34 MILES NORTH OF FM 490

C-S-J-: 0255-07-140
FED. AID PROJECT NO.:
LENGTH: 7.040 MILES

Existing Posted Speed: 70 MPH - MAINLANES

OFFICE OF DISTRICT ENGINEER
PHARR DISTRICT

DESIGN SPEED: 75 MPH - Mainlane; 50 MPH Frontage Roads

Functional Classification: Rural Freeway
Chapter 3, Section 6 Freeways

Superelevation Rate e_{max} = 6%

4/24/2017

APPROVED: DESIGN DIVISION LETTER DATED

CORRECT:
__________, 2016
AREA ENGINEER

APPROVED: FHWA LETTER DATED
FED. RD. DIV. NO. 6

APPROVED:
__________, 2016
DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
__________, 2016
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT

AVERAGE DAILY TRAFFIC VOLUMES

CSJ 0255-07-140
US 281 MAINLANES
From: 0.690 MILES SOUTH OF SH 186
To: 0.34 MILES NORTH OF FM 490

EXIST	LETTING	DESIGN
2015	2020	2040
14,453	20,700	29,000

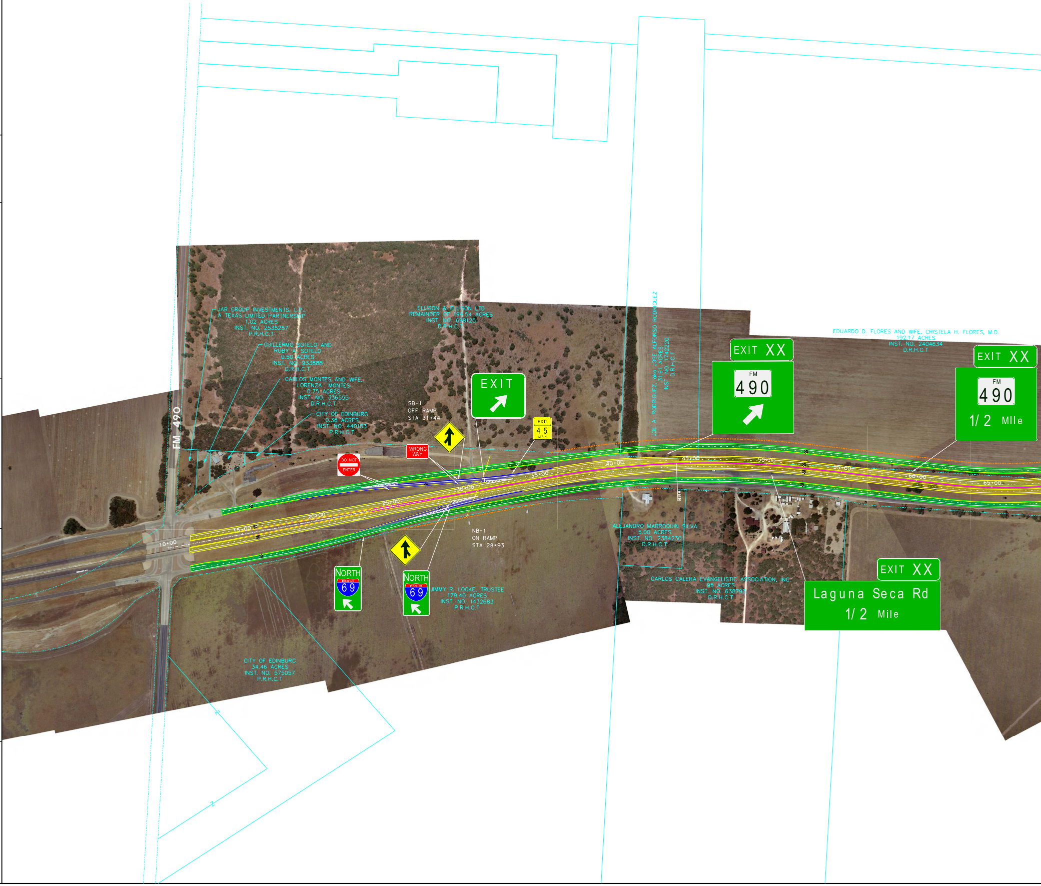
GEOMETRIC DESIGN

These documents are not intended for Construction, Bidding, or Permit Purposes. They were prepared by, or under the supervision of :

Mahmoud Salehi, P.E. PE #89552 Date

COLOR LEGEND

🟨	FREEWAY MAINLANES (WIDENING OR RECONSTRUCTION)
🟩	FRONTAGE ROAD
🟦	RAMPS
🟥	PROPOSED BRIDGE STRUCTURES
─	PROPOSED RETAINING WALLS
- - T1 - -	EXISTING AT&T
- - T2 - -	EXISTING ATT FIBER OPTIC LINE
- - OE - -	EXIST OVERHEAD ELECTRIC
- - E - -	EXIST ELECTRIC
- - W - -	EXIST WATER
- - - -	EXIST DCP/MIDSTREAM PIPELINE
- - - -	EXIST KINDER MORGAN PIPELINE



FM 490
JAR GROUP INVESTMENTS, L.P.,
A TEXAS LIMITED PARTNERSHIP
1.02 ACRES
INST. NO. 2535257
P.R.H.C.T
GUILLERMO SOTELO AND
RUBY A. SOTELO
0.50 ACRES
INST. NO. 933888
D.R.H.C.T
CARLOS MONTES AND WIFE,
LORENZA MONTES
0.75 ACRES
INST. NO. 336555
D.R.H.C.T
CITY OF EDINBURG
0.38 ACRES
INST. NO. 440103
P.R.H.C.T
ELLISON & ELLISON LTD
REMAINDER OF 199.54 ACRES
INST. NO. 698125
D.R.H.C.T.
SB-1
OFF RAMP
STA 31+44
EXIT
DO NOT ENTER
WRONG WAY
EXIT 45 MPH
JOE A. RODRIGUEZ, aka JOSE ALFONSO RODRIGUEZ
31.91 ACRES
INST. NO. 1742220
D.R.H.C.T
EXIT XX
FM 490
EDUARDO D. FLORES AND WIFE, CRISTELA H. FLORES, M.D.
192.17 ACRES
INST. NO. 2404634
D.R.H.C.T
EXIT XX
FM 490
1/2 Mile
10+00
15+00
20+00
25+00
30+00
35+00
40+00
45+00
50+00
55+00
60+00
65+00
NB-1
ON RAMP
STA 28+93
NORTH
INTERSTATE 69
NORTH
INTERSTATE 69
JIMMY R. LOCKE, TRUSTEE
179.40 ACRES
INST. NO. 1432683
P.R.H.C.T
ALEJANDRO MARROQUIN SILVA
5.00 ACRES
INST. NO. 2384230
D.R.H.C.T
CARLOS CALERA EVANGELISTIC ASSOCIATION, INC.
95 ACRES
INST. NO. 638793
D.R.H.C.T
EXIT XX
Laguna Seca Rd
1/2 Mile
CITY OF EDINBURG
34.46 ACRES
INST. NO. 575057
P.R.H.C.T

Texas Department of Transportation
US 281
® © 2017

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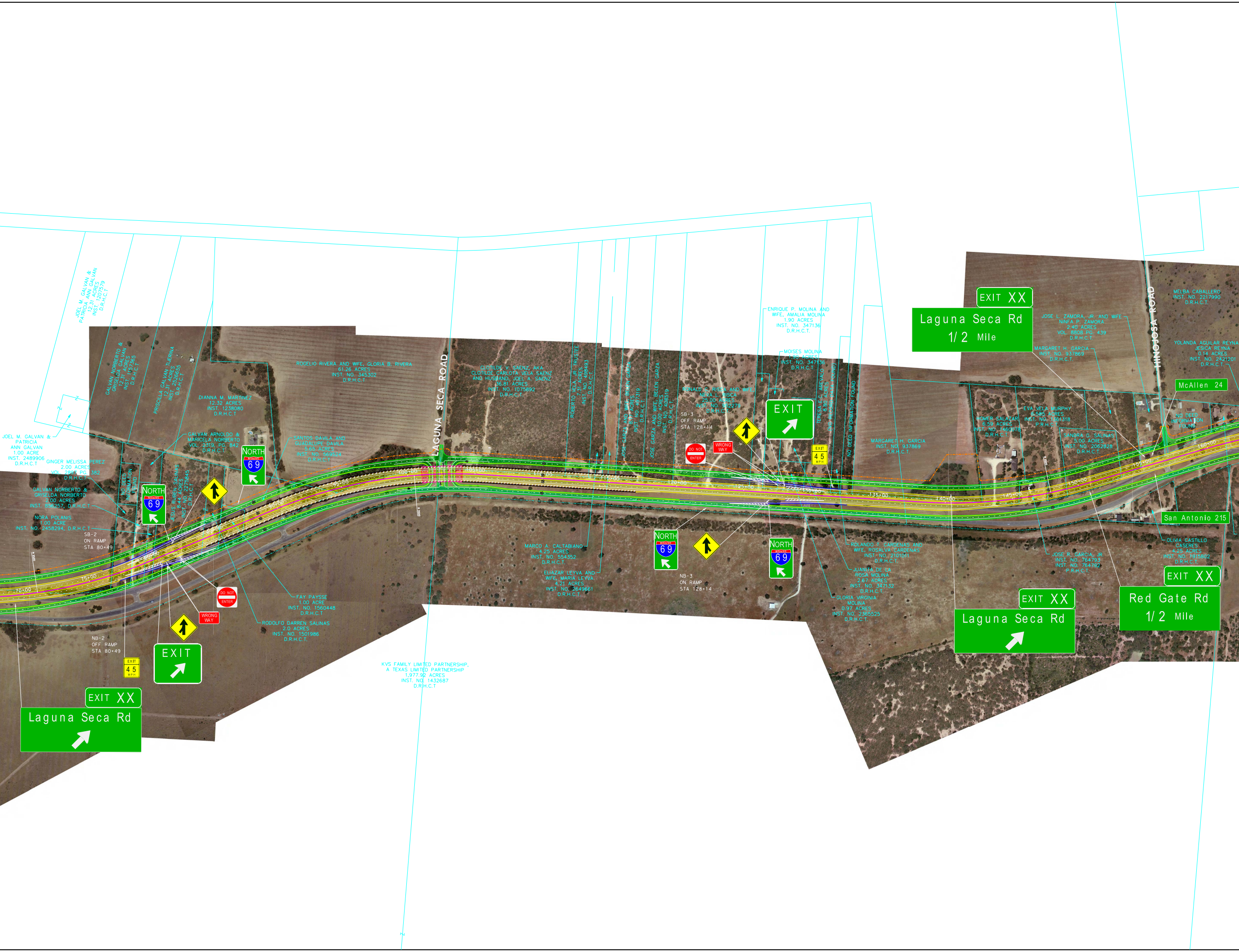
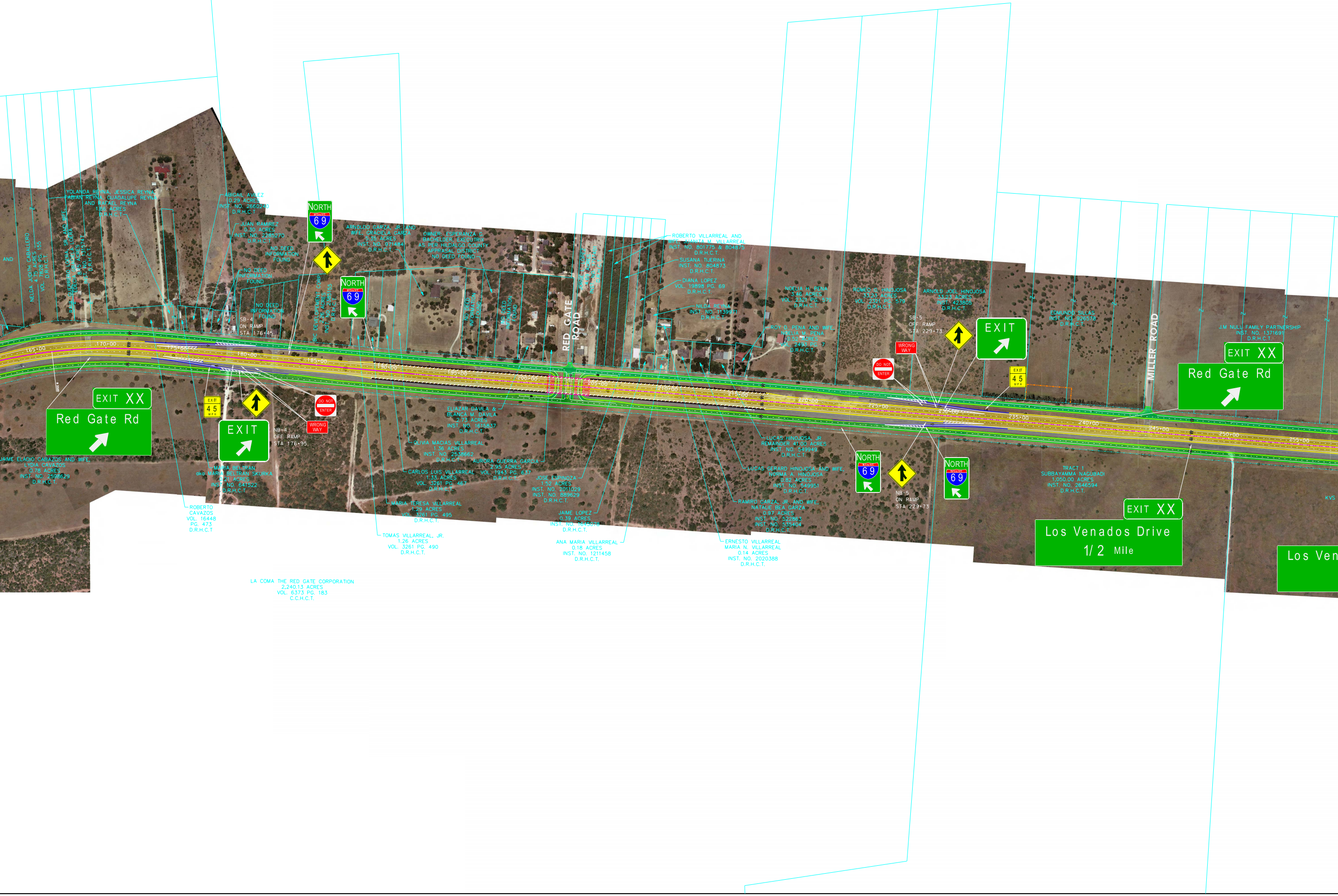
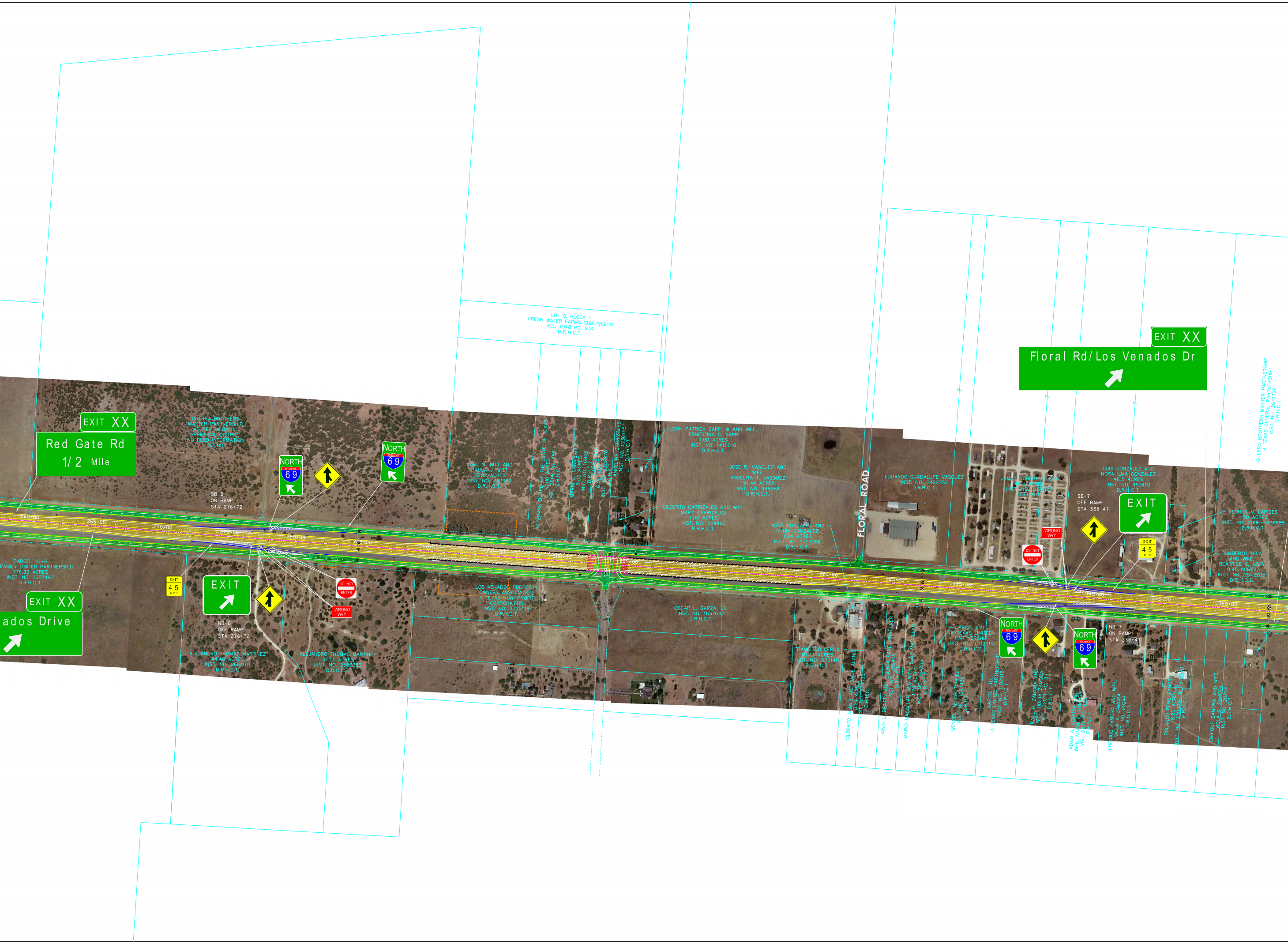
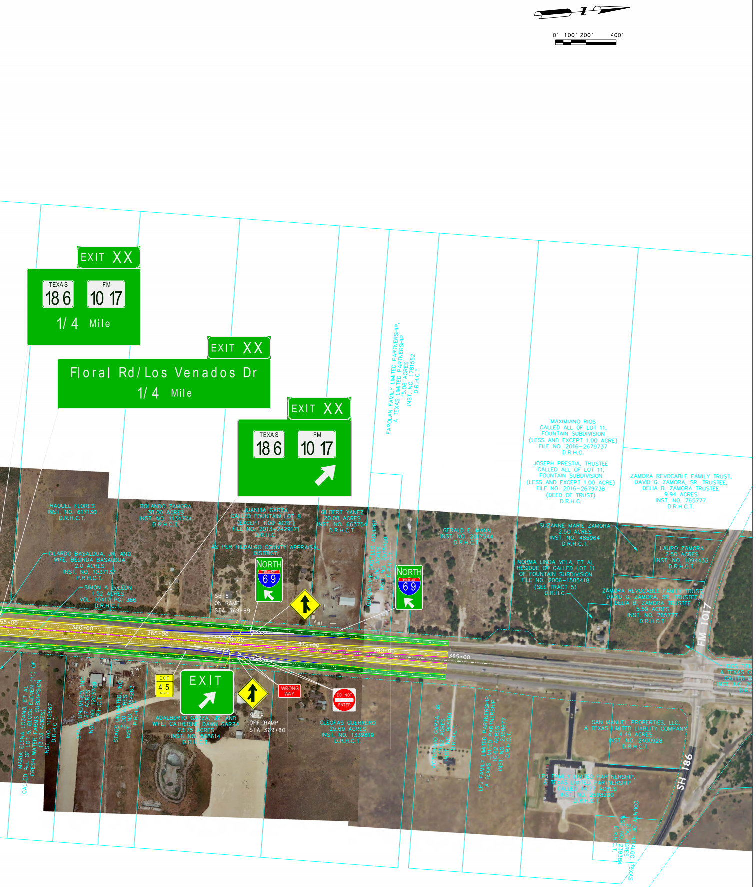
DATE: 4/24/2017 06:48 PM


JOEL M. GALVAN & PATRICIA ANN GALVAN 12.31 ACRES INST. 1207579 D.R.H.C.T
GALVAN NORBERTO & GRISELDA GALVAN 12.31 ACRES INST. 1157365 D.R.H.C.T
PRISCILLA GALVAN TIJERINA 12.31 ACRES INST. 2526655 D.R.H.C.T
DIANNA M. MARTINEZ 12.32 ACRES INST. 1238080 D.R.H.C.T
ROGELIO RIVERA AND WIFE, GLORIA B. RIVERA 61.26 ACRES INST. NO. 345302 D.R.H.C.T
JOEL M. GALVAN & PATRICIA ANN GALVAN 1.00 ACRE INST. 2489906 D.R.H.C.T
GINGER MELISSA PEREZ 2.00 ACRES VOL. 2897 PG. 382 D.R.H.C.T
GALVAN ARNOLDO & MARICELA NORBERTO VOL. 2319, PG. 842 D.R.H.C.T
SANTOS DAVILA AND GUADALUPE DAVILA 5.65 ACRES INST. NO. 569524 D.R.H.C.T
GALVAN NORBERTO & GRISELDA NORBERTO 2.00 ACRES INST. 856257, D.R.H.C.T
NORA POLANIS 1.00 ACRE INST. NO. 2458294, D.R.H.C.T
NO DEED INFORMATION FOUND
JESUS RUBEN SALINAS 8.44 ACRES INST. NO. 2275845 D.R.H.C.T
NORTH INTERSTATE 69
SB-2 ON RAMP STA 80+49
NB-2 OFF RAMP STA 80+49
DO NOT ENTER
WRONG WAY
EXIT
EXIT 45 MPH
FAY PAYSSE 1.00 ACRE INST. NO. 1560448 D.R.H.C.T
RODOLFO DARREN SALINAS 2.0 ACRES INST. NO. 1501986 D.R.H.C.T.
EXIT XX
Laguna Seca Rd
70+00
75+00
85+00
90+00
95+00
100+00
105+00
110+00
115+00
120+00
125+00
130+00
135+00
140+00
145+00
150+00
155+00
160+00
LAGUNA SECA ROAD
CLOTILDE V. SAENZ, AKA CLOTILDE CARLOTA VELA SAENZ AND HUSBAND, JOEL A. SAENZ 36.81 ACRES INST. NO. 1075892 D.R.H.C.T.
ROBERTO VELA, JR. TRUSTEE 7.31 ACRES INST. NO. 498493 D.R.H.C.T.
JOSE GARZA AND WIFE, BELEN GARZA 8.17 ACRES INST. NO. 497319 D.R.H.C.T.
JOSE GARZA AND WIFE, BELEN GARZA 10.00 ACRES INST. NO. 408519 D.R.H.C.T.
RONALD C. RISCA AND WIFE, NEVA L. RISCA 25.00 ACRES INST. NO. 952279 D.R.H.C.T.
SB-3 OFF RAMP STA 128+14
ENRIQUE P. MOLINA AND WIFE, AMALIA MOLINA 1.90 ACRES INST. NO. 347136 D.R.H.C.T.
MOISES MOLINA 1.90 ACRES INST. NO. 347136 D.R.H.C.T.
TERESA E.C. AREVALO 8.80 ACRES (NO RECORD DATA FOUND)
NO DEED INFORMATION FOUND
MARCO A. CALTABIANO 4.25 ACRES INST. NO. 554352 D.R.H.C.T.
ELIAZAR LEYVA AND WIFE, MARIA LEYVA 4.21 ACRES INST. NO. 2649661 D.R.H.C.T.
NB-3 ON RAMP STA 128+14
KVS FAMILY LIMITED PARTNERSHIP, A TEXAS LIMITED PARTNERSHIP 1,977.92 ACRES INST. NO. 1432687 D.R.H.C.T
ROLANDO T. CARDENAS AND WIFE, ROSALVA CARDENAS INST. NO. 2101011 D.R.H.C.T.
JUANITA DE LA ROSA MOLINA 2.67 ACRES INST. NO. 347132 D.R.H.C.T.
GLORIA VIRGINIA MOLINA 0.97 ACRES INST. NO. 2365525 D.R.H.C.T.
MARGARET H. GARCIA INST. NO. 937869 D.R.H.C.T.
EXIT XX
Laguna Seca Rd
1/2 Mile
HOMER SALAZAR 6.59 ACRES INST. NO. 1460078 D.R.H.C.T.
EVA VELA MURPHY 6.585 ACRES INST. NO. 1361318 P.R.H.C.T.
SANDRA G. SALINAS 5.00 ACRES INST. NO. 2062828 D.R.H.C.T.
JOSE L. ZAMORA, JR. AND WIFE NINFA P. ZAMORA 2.40 ACRES VOL. 8808 PG. 439 D.R.H.C.T.
MARGARET H. GARCIA INST. NO. 937869 D.R.H.C.T.
HINOJOSA ROAD
MELBA CABALLERO INST. NO. 2217990 D.R.H.C.T.
YOLANDA AGUILAR REYNA JESICA REYNA 0.14 ACRES INST. NO. 2421201 D.R.H.C.T.
McAllen 24
NO DEED INFORMATION FOUND
San Antonio 215
JOSE R. GARCIA, JR. INST. NO. 764793 INST. NO. 764792 P.R.H.C.T.
OLIVIA CASTILLO CASERES 4.25 ACRES INST. NO. 1915802 D.R.H.C.T.
EXIT XX
Laguna Seca Rd
EXIT XX
Red Gate Rd
1/2 Mile

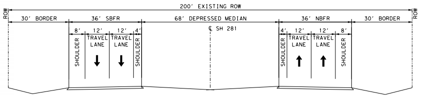
ALTERNATIVE D


YOLANDA REYNA, JESSICA REYNA, FABIAN REYNA, GUADALUPE REYNA AND RAFAEL REYNA 1.66 ACRES D.R.H.C.T.
NELDA JUDITH CABALLERO 4.75 ACRES VOL. 7828 PG. 155 D.R.H.C.T.
RAUL GUERRERO LOERA, SR. AND WIFE, EDECIA GRACIELA LOERA 8.15 ACRES INST. NO. 1315747 D.R.H.C.T.
ABIGAIL AVILEZ 0.29 ACRES INST. NO. 2660240 D.R.H.C.T
JUAN RAMIREZ 0.30 ACRES INST. NO. 2285270 D.R.H.C.T
NO DEED INFORMATION FOUND
NO DEED INFORMATION FOUND
NO DEED INFORMATION FOUND
SB-4 ON RAMP STA 176+45
NORTH
69
BIC DEVELOPEMENT CORP 2.26 ACRES INST. NO. 2385155 D.R.H.C.T.
NORTH
69
ARNOLDO GARZA, JR. AND WIFE, GRACIELA GARZA 5.35 ACRES INST. NO. 971484 D.R.H.C.T.
OWNER: ESPERANZA G. BACHELDER, EXECUTRIX AS PER HILDALGO COUNTY APPRASAL DISTRICT NO DEED FOUND
NO DEED INFORMATION FOUND
NO DEED INFORMATION FOUND
RED GATE ROAD
JORGE L. LOPEZ 4.69 ACRES INST. NO. 1713401 D.R.H.C.T.
ROBERTO VILLARREAL AND WIFE, JUANITA M. VILLARREAL INST. NO. 801775 & 804875 D.R.H.C.T.
SUSANA TIJERINA INST. NO. 804873 D.R.H.C.T.
DIANA LOPEZ VOL. 19898 PG. 69 D.R.H.C.T.
NILDA REYNA INST. NO. 1139971 D.R.H.C.T.
NOELIA H. PENA 3.46 ACRES VOL. 2321 PG. 579 D.R.H.C.T.
ROY D. PENA AND WIFE, NOELIA M. PENA 0.52 ACRES VOL. 2493 PG. 7 D.R.H.C.T.
ROMEO O. HINOJOSA 33.23 ACRES VOL. 2321 PG. 579 D.R.H.C.T.
ARNOLD JOEL HINOJOSA 33.23 ACRES INST. 423805 D.R.H.C.T.
SB-5 OFF RAMP STA 229+73
WRONG WAY
DO NOT ENTER
EXIT
EXIT 45 MPH
EDMUNDO SILLAS INST. NO. 926578 D.R.H.C.T.
MILLER ROAD
J.M NULL FAMILY PARTNERSHIP INST. NO. 1371691 D.R.H.C.T.
EXIT XX
Red Gate Rd
165+00
170+00
175+00
180+00
185+00
190+00
195+00
200+00
205+00
210+00
215+00
220+00
225+00
230+00
235+00
240+00
245+00
250+00
255+00
EXIT XX
Red Gate Rd
JAIME ELADIO CABAZOS AND WIFE, LYDIA CAVAZOS 0.78 ACRES INST. NO. 2598629 D.R.H.C.T.
EXIT 45 MPH
EXIT
NB-4 OFF RAMP STA 176+95
DO NOT ENTER
WRONG WAY
MARIA BELTRAN aka MARIA BELTRAN SKURKA 0.21 ACRES INST. NO. 641522 D.R.H.C.T
ROBERTO CAVAZOS VOL. 16448 PG. 473 D.R.H.C.T
ELIAZAR DAVILA & BLANCA M. DAVILA 2.73 ACRES INST. NO. 1615837 D.R.H.C.T.
OLIVIA MACIAS VILLARREAL 1.36 ACRES INST. NO. 2538662 D.R.H.C.T.
AURORA GUERRA GARCIA 2.95 ACRES VOL. 1943 PG. 637 D.R.H.C.T.
CARLOS LUIS VILLARREAL 1.33 ACRES VOL. 3261 PG. 467 D.R.H.C.T.
MARIA TERESA VILLARREAL 1.29 ACRES VOL. 3261 PG. 495 D.R.H.C.T.
TOMAS VILLARREAL, JR. 1.26 ACRES VOL. 3261 PG. 490 D.R.H.C.T.
JOSE ESPINOZA 1.52 ACRES INST. NO. 2011029 INST. NO. 889629 D.R.H.C.T.
JAIME LOPEZ 0.39 ACRES INST. NO. 1645078 D.R.H.C.T.
ANA MARIA VILLARREAL 0.18 ACRES INST. NO. 1211458 D.R.H.C.T.
LUCAS HINOJOSA, JR REMAINDER 41.00 ACRES INST. NO. 549949 D.R.H.C.T.
LUCAS GERARD HINOJOSA AND WIFE, NORMA A. HINOJOSA 0.82 ACRES INST. NO. 549951 D.R.H.C.T.
RAMIRO GARZA, JR. AND WIFE, NATALIE BEA GARZA 0.97 ACRES INST. NO. 522863 INST. NO. 535404 D.R.H.C.T.
ERNESTO VILLARREAL MARIA N. VILLARREAL 0.14 ACRES INST. NO. 2020388 D.R.H.C.T.
NORTH
69
NB-5 ON RAMP STA 229+73
NORTH
69
TRACT 1 SUBBAYAMMA NAGUBADI 1,050.00 ACRES INST. NO. 2646594 D.R.H.C.T.
EXIT XX
Los Venados Drive
1/ 2 Mile
Los Ven
KVS
LA COMA THE RED GATE CORPORATION 2,240.13 ACRES VOL. 6373 PG. 183 C.C.H.C.T.

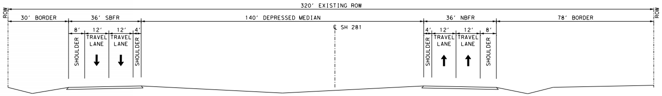

EXIT XX
Red Gate Rd
1/2 Mile
GUERRA BROTHERS MASTER PARTNERSHIP AS PER HILDALGO APPRAISAL DISTRICT NO DEED INFORMATION FOUND
NORTH 69
NORTH 69
SB-6 ON RAMP STA 276+72
260+00
265+00
270+00
275+00
280+00
285+00
290+00
295+00
300+00
305+00
310+00
315+00
320+00
325+00
330+00
335+00
340+00
345+00
350+00
PARCEL 10-B FAMILY LIMITED PARTNERSHIP 776.39 ACRES INST. NO. 1653493 D.R.H.C.T.
EXIT XX
ados Drive
EXIT 45 MPH
EXIT
NB-6 OFF RAMP STA 276+72
DO NOT ENTER
WRONG WAY
ALEJANDRO THOMAS MARTINEZ 44.40 ACRES INST. NO. 2664911 D.R.H.C.T.
ALEJANDRO THOMAS MARTINEZ 34.51 ACRES INST. NO. 2586380 D.R.H.C.T.
LOT 9, BLOCK 1 FRESH WATER FARMS SUBDIVISION VOL. 1948 PG. 934 M.R.H.C.T.
CARL S. WITT AND PAULA J. WITT 20.82 ACRES INST. NO. 783999 D.R.H.C.T.
VETERANS BOARD OF THE STATE OF TEXAS 10.00 ACRES VOL. 2688 PG. 388 D.R.H.C.T.
MARIN E. CARRIZALES 5.00 ACRES INST. NO. 16845 D.R.H.C.T.
LUCIA V. CARRIZALES 6.09 ACRES INST. NO. 2302870 D.R.H.C.T.
ANGELINA CARRIZALES INST. NO. 1236155 D.R.H.C.T.
JOHN PATRICK SAPP, III AND WIFE, ERNESTINA C. SAPP 1.00 ACRES INST. NO. 1410018 D.R.H.C.T.
JOSE R. VASQUEZ AND WIFE, ANGELITA T. VASQUEZ 191.44 ACRES INST. NO. 498984 D.R.H.C.T.
GILBERTO CARRIZALES AND WIFE, MARY CARRIZALES 1.00 ACRES INST. NO. 204460 P.R.H.C.T.
NORA GONZALEZ AND NYDIA GONZALEZ 1.24 ACRES INST. NO. 1703066 D.R.H.C.T.
FLORAL ROAD
LOS VENADOS PROPERTY OWNERS ASSOCIATION, A TEXAS NON-PROFIT CORPORATION INST. NO. 2325118 D.R.H.C.T.
OSCAR L. GARZA, JR. INST. NO. 1637647 D.R.H.C.T.
FRANCISCO CERDA 10.73 ACRES INST. NO. 572140 P.R.H.C.T.
EXIT XX
Floral Rd/Los Venados Dr
EDUARDO GUADALUPE VASQUEZ INST. NO. 2422757 D.R.H.C.T.
JAMES ROBERT FELLER 46.5 ACRES INST. NO. 1164825 D.R.H.C.T.
LUIS GONZALEZ AND NORA ILMA GONZALEZ 46.5 ACRES INST. NO. 453410 D.R.H.C.T.
SB-7 OFF RAMP STA 338+47
EXIT
WRONG WAY
DO NOT ENTER
EXIT 45 MPH
GUERRA BROTHERS MASTER PARTNERSHIP A TEXAS GENERAL PARTNERSHIP INST. NO. 2641728 D.R.H.C.T.
LEONOR V. LAPIDES 1.50 ACRES INST. NO. 2006-1636688 D.R.H.C.T.
HUMBERTO VELA AND WIFE, BEATRICE G. VELA 0.45 ACRES INST. NO. 2542205 D.R.H.C.T.
NORTH 69
NORTH 69
NB-7 ON RAMP STA 338+47
GARCO, LTD., A TEXAS LIMITED PARTNERSHIP INST. NO. 1102015 D.R.H.C.T.
GILBERTO ALANIZ AND JANIE ALANIZ 3.24 ACRES INST. NO. 375035 D.R.H.C.T.
JANIS L. BEATTY AND GLENDA FAYE ZINNECKER INST. NO. 266401 D.R.H.C.T.
MARIO MAGALLAN AND WIFE, ELDA MAGALLAN 1.76 ACRES INST. NO. 354235 D.R.H.C.T.
WENDELL W. CRUTCHFIELD INST. NO. 1663438 D.R.H.C.T.
GARCO, LTD., A TEXAS LIMITED PARTNERSHIP INST. NO. 1102015 D.R.H.C.T.
RAUL R. ZAMORA AND WIFE, ODILIA ZAMORA VOL. 22011 PG. 89 D.R.H.C.T.
ADAM A. KOMOSA AND WIFE, NAOMI E. KOMOSA VOL. 2532 PG. 628 P.R.H.C.T.
ENRIQUE ZAMORA AND WIFE, VIOLA V. ZAMORA INST. NO. 20244 D.R.H.C.T.
ROLANDO RENE ZAMORA 8.50 ACRES INST. NO. 2392356 & 2371353 P.R.H.C.T.
ENRIQUE ZAMORA AND WIFE, VIOLA V. ZAMORA INST. NO. 20244 D.R.H.C.T.


0' 100' 200' 400'
EXIT XX
TEXAS 18 6
FM 10 17
1/4 Mile
EXIT XX
Floral Rd/Los Venados Dr
1/4 Mile
EXIT XX
TEXAS 18 6
FM 10 17
RAQUEL FLORES
INST. NO. 617130
D.R.H.C.T.
ROLANDO ZAMORA
38.00 ACRES
INST. NO. 1134774
D.R.H.C.T.
JUANITA GARZA
CALLED FOUNTAIN LOT 8
(EXCEPT 1.00 ACRE)
FILE NO. 2013-2429171
D.R.H.C.
AS PER HILDALGO COUNTY APPRAISAL DISTRICT
GILBERT YANEZ
20.08 ACRES
INST. NO. 663754
D.R.H.C.T.
GUADALUPE CASTILLO AGUIRRE
5.00 ACRES
INST. NO. 2575459
D.R.H.C.T.
FAROLAN FAMILY LIMITED PARTNERSHIP,
A TEXAS LIMITED PARTNERSHIP
15.08 ACRES
INST. NO. 1781552
D.R.H.C.T.
GILARDO BASALDUA, JR. AND
WIFE, BELINDA BASALDUA
2.0 ACRES
INST. NO. 1037137
P.R.H.C.T.
SIMON A DeLEON
1.52 ACRES
VOL. 10417 PG. 366
D.R.H.C.T.
SB-8
ON RAMP
STA 369+89
NORTH
69
NB-8
OFF RAMP
STA 369+80
EXIT
45
MPH
EXIT
WRONG WAY
DO NOT ENTER
355+00
360+00
365+00
370+00
375+00
380+00
385+00
MARIA ELENA LOZANO, ET AL
CALLED ALL OF LOT 5, BLOCK ELEVEN (11) OF
FRESH WATER FARMS SUBDIVISION
(3.03 ACRES)
INST. NO. 1115667
D.R.H.C.T.
STAGS UNLIMITED, INC.
10.27 ACRES
INST. NO. 1203769
P.R.H.C.T.
STAGS UNLIMITED, INC.
5.00 ACRES
INST. NO. 1364263
P.R.H.C.T.
ADALBERTO GARZA, JR. AND
WIFE, CATHERINE DAWN GARZA
23.75 ACRES
INST. NO. 568614
D.R.H.C.T.
CLEOFAS GUERRERO
25.69 ACRES
INST. NO. 1339819
D.R.H.C.T.
MAXIMIANO RIOS
CALLED ALL OF LOT 11,
FOUNTAIN SUBDIVISION
(LESS AND EXCEPT 1.00 ACRE)
FILE NO. 2016-2679737
D.R.H.C.
JOSEPH PRESTIA, TRUSTEE
CALLED ALL OF LOT 11,
FOUNTAIN SUBDIVISION
(LESS AND EXCEPT 1.00 ACRE)
FILE NO. 2016-2679738
(DEED OF TRUST)
D.R.H.C.
ZAMORA REVOCABLE FAMILY TRUST,
DAVID G. ZAMORA, SR. TRUSTEE,
DELIA B. ZAMORA TRUSTEE
9.94 ACRES
INST. NO. 765777
D.R.H.C.T.
GERALD E. MANN
INST. NO. 2017344
D.R.H.C.T.
SUZANNE MARIE ZAMORA
2.50 ACRES
INST. NO. 485964
D.R.H.C.T.
LAURO ZAMORA
2.50 ACRES
INST. NO. 1094433
D.R.H.C.T.
NORMA LINDA VELA, ET AL
RESIDUE OF CALLED LOT 11
OF FOUNTAIN SUBDIVISION
FILE NO. 2006-1585418
(SEE TRACT 5)
D.R.H.C.
ZAMORA REVOCABLE FAMILY TRUST,
DAVID G. ZAMORA, SR. TRUSTEE,
DELIA B. ZAMORA TRUSTEE
5.59 ACRES
INST. NO. 765777
D.R.H.C.T.
FM 1017
DOS TIEN
A TEXAS C
CALLED
INST. NO. 2
D.R.H
VICTORIANO GARZA, JR.
10.62 ACRES
INST. NO. 906161
D.R.H.C.T.
LPJ FAMILY LIMITED PARTNERSHIP,
A TEXAS LIMITED PARTNERSHIP
10.62 ACRES
INST. NO. 2369877
D.R.H.C.T.
SAN MANUEL PROPERTIES, LLC.
A TEXAS LIMITED LIABLITY COMPANY
4.49 ACRES
INST. NO. 2400928
D.R.H.C.T.
LPJ FAMILY LIMITED PARTNERSHIP,
A TEXAS LIMITED PARTNERSHIP
CALLED 14.77 ACRES
INST. NO. 2698290
D.R.H.C.T.
COUNTY OF HIDALGO, TEXAS
2.50 ACRES
INST. NO. 239384
D.R.H.C.T.
SH 186

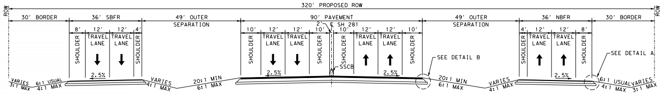
TYPICAL SECTIONS


200' EXISTING ROW
ROW
30' BORDER
36' SBFR
68' DEPRESSED MEDIAN
℄ SH 281
36' NBFR
30' BORDER
8'
12'
12'
4'
SHOULDER
TRAVEL LANE
TRAVEL LANE
SHOULDER

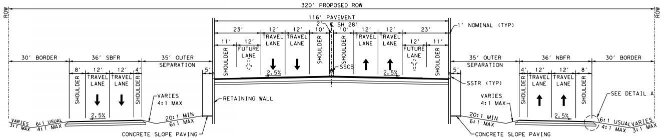
EXISTING US 281 TYPICAL SECTION
STA 35+00 TO STA 160+00


320' EXISTING ROW
ROW
30' BORDER
36' SBFR
140' DEPRESSED MEDIAN
℄ SH 281
36' NBFR
78' BORDER
8'
12'
12'
4'
SHOULDER
TRAVEL LANE
TRAVEL LANE
SHOULDER

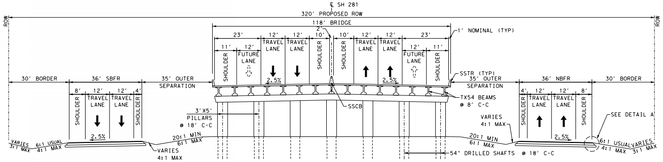
EXISTING US 281 TYPICAL SECTION
STA 160+00 TO STA 383+17


320' PROPOSED ROW
ROW
30' BORDER
36' SBFR
49' OUTER SEPARATION
90' PAVEMENT
℄ SH 281
49' OUTER SEPARATION
36' NBFR
30' BORDER
8'
12'
12'
4'
10'
2'
SHOULDER
TRAVEL LANE
TRAVEL LANE
2.5%
SSCB
SEE DETAIL B
SEE DETAIL A
VARIES
3:1 MAX
6:1 USUAL
4:1 MAX
20:1 MIN
6:1 MAX
VARIES
4:1 MAX

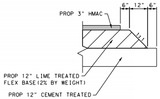
PROPOSED US 281 USUAL TYPICAL SECTION


320' PROPOSED ROW
ROW
116' PAVEMENT
℄ SH 281
1' NOMINAL (TYP)
23'
12'
12'
10'
2'
11'
FUTURE LANE
SHOULDER
TRAVEL LANE
2.5%
SSCB
30' BORDER
36' SBFR
35' OUTER SEPARATION
5'
35' OUTER SEPARATION
36' NBFR
30' BORDER
SSTR (TYP)
RETAINING WALL
VARIES
4:1 MAX
20:1 MIN
6:1 MAX
SEE DETAIL A
6:1 USUAL
VARIES
4:1 MAX
3:1 MAX
CONCRETE SLOPE PAVING

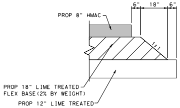
PROPOSED US 281
BRIDGE APPROACH TYPICAL SECTION


℄ SH 281
320' PROPOSED ROW
ROW
118' BRIDGE
1' NOMINAL (TYP)
23'
12'
12'
10'
2'
11'
FUTURE LANE
SHOULDER
TRAVEL LANE
2.5%
30' BORDER
36' SBFR
35' OUTER SEPARATION
SSTR (TYP)
35' OUTER SEPARATION
36' NBFR
30' BORDER
SSCB
TX54 BEAMS
@ 8' C-C
3'X5' PILLARS
@ 18' C-C
20:1 MIN
6:1 MAX
VARIES
4:1 MAX
54" DRILLED SHAFTS @ 18' C-C
SEE DETAIL A
6:1 USUAL
VARIES
4:1 MAX
3:1 MAX

PROPOSED US 281
BRIDGE TYPICAL SECTION


PROP 3" HMAC
6"
12"
6"
1:1
PROP 12" LIME TREATED
FLEX BASE (2% BY WEIGHT)
PROP 12" CEMENT TREATED
SUBGRADE (3% BY WEIGHT)

DETAIL A


PROP 8" HMAC
6"
18"
6"
1:1
PROP 18" LIME TREATED
FLEX BASE (2% BY WEIGHT)
PROP 12" LIME TREATED
SUBGRADE (3% BY WEIGHT)

DETAIL B

Scale: 0' 100' 200' 400'

Date: 4/24/2017

CSJ: 0255-07-140

Texas Department of Transportation
US 281
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DATE: 4/24/2017 06:48 PM