**Texas Department of Transportation**
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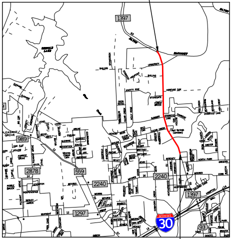
# DESIGN SCHEMATIC

## FM 1397
## CSJ: 0945-01-040

FROM UNIVERSITY AVENUE TO 0.1 MILES NORTH OF NORTH PARK ROAD

MICHAEL C. ANDERSON, P.E.
DISTRICT ENGINEER

BEGIN PROJECT
CSJ: 0945-01-040


1397
989
2878
559
2240
1297
30
93

PROJECT LOCATION MAP
BOWIE COUNTY
SCALE: 1"=4000'

END PROJECT
CSJ: 0945-01-040

### TRAFFIC DATA

SHILLING TO HERITAGE OAKS
2018 CURRENT ADT : 2,127
2042 PROJECTED ADT : 3,000

HERITAGE OAKS TO N PARK ROAD
2018 CURRENT ADT : 9,606
2042 PROJECTED ADT : 13,500

### BOWIE COUNTY

FUNCTIONAL CLASSIFICATION : URBAN ARTERIAL

PROJECT LENGTH : 1.613 MILES

DESIGN SPEED : MAINLANES - 55 MPH
CROSS STREETS - MEETS/EXCEEDS EXISTING CONDITIONS

SCALE : 0' 50' 100' HORIZONTAL SCALE
0' 5' 10' VERTICAL SCALE

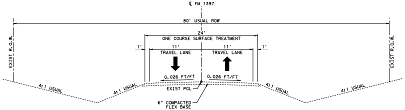
PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:
TREVOR L. CASTILLA
PROJECT ENGINEER
85405 P.E. NUMBER
6/5/2019 DATE

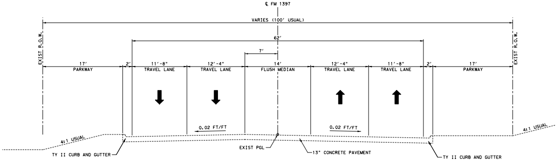
ROLL 1 OF 1

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

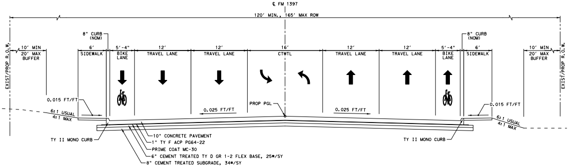
CIVIL CONSULTING GROUP
1575 HERITAGE DRIVE, STE. 308
MCKINNEY, TEXAS 75069
P 972.569.9193 F 972.569.9197
TEXAS REGISTERED ENGINEERING FIRM NO. F-9356


℄ FM 1397
80' USUAL ROW
EXIST R.O.W.
24'
ONE COURSE SURFACE TREATMENT
1'
11' TRAVEL LANE
11' TRAVEL LANE
0.026 FT/FT
0.026 FT/FT
EXIST PGL
6" COMPACTED FLEX BASE
4:1 USUAL

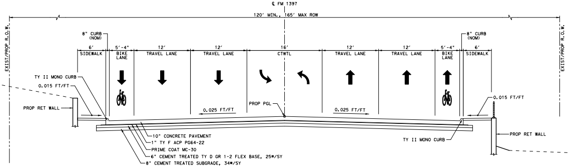
## EXISTING 2-LANE TYPICAL SECTION
FM 1397 (SUMMERHILL ROAD)


℄ FM 1397
VARIES (100' USUAL)
EXIST R.O.W.
62'
7'
17' PARKWAY
2'
11'-8" TRAVEL LANE
12'-4" TRAVEL LANE
14' FLUSH MEDIAN
12'-4" TRAVEL LANE
11'-8" TRAVEL LANE
2'
17' PARKWAY
0.02 FT/FT
0.02 FT/FT
4:1 USUAL
TY II CURB AND GUTTER
EXIST PGL
13" CONCRETE PAVEMENT
TY II CURB AND GUTTER

## EXISTING 4-LANE TYPICAL SECTION
FM 1397 (SUMMERHILL ROAD)


℄ FM 1397
120' MIN., 165' MAX ROW
EXIST/PROP R.O.W.
10' MIN 20' MAX BUFFER
8" CURB (NOM)
6' SIDEWALK
5'-4" BIKE LANE
12' TRAVEL LANE
12' TRAVEL LANE
16' CTWTL
12' TRAVEL LANE
12' TRAVEL LANE
5'-4" BIKE LANE
6' SIDEWALK
8" CURB (NOM)
10' MIN 20' MAX BUFFER
0.015 FT/FT
6:1 USUAL
4:1 MAX
0.025 FT/FT
PROP PGL
0.025 FT/FT
0.015 FT/FT
6:1 USUAL
4:1 MAX
TY II MONO CURB
10" CONCRETE PAVEMENT
1" TY F ACP PG64-22
PRIME COAT MC-30
6" CEMENT TREATED TY D GR 1-2 FLEX BASE, 25#/SY
8" CEMENT TREATED SUBGRADE, 34#/SY
TY II MONO CURB

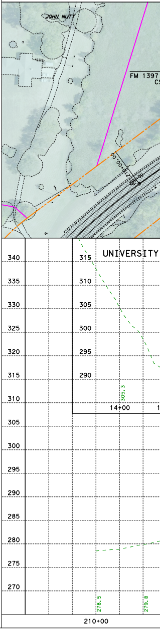
## PROPOSED TYPICAL SECTION
FM 1397 (SUMMERHILL ROAD)


℄ FM 1397
120' MIN., 165' MAX ROW
EXIST/PROP R.O.W.
8" CURB (NOM)
6' SIDEWALK
5'-4" BIKE LANE
12' TRAVEL LANE
12' TRAVEL LANE
16' CTWTL
12' TRAVEL LANE
12' TRAVEL LANE
5'-4" BIKE LANE
6' SIDEWALK
8" CURB (NOM)
TY II MONO CURB
0.015 FT/FT
PROP RET WALL
0.025 FT/FT
PROP PGL
0.025 FT/FT
0.015 FT/FT
10" CONCRETE PAVEMENT
1" TY F ACP PG64-22
PRIME COAT MC-30
6" CEMENT TREATED TY D GR 1-2 FLEX BASE, 25#/SY
8" CEMENT TREATED SUBGRADE, 34#/SY
TY II MONO CURB
PROP RET WALL

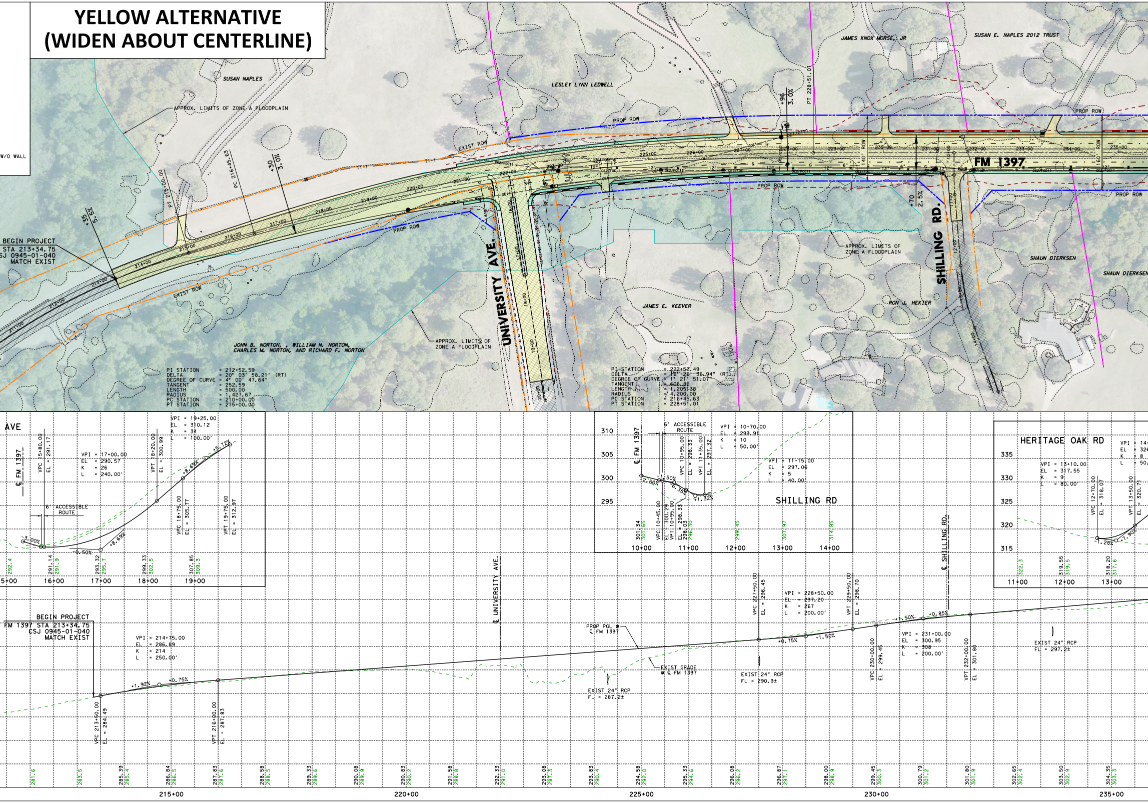
## PROPOSED TYPICAL SECTION
FM 1397 (SUMMERHILL ROAD)

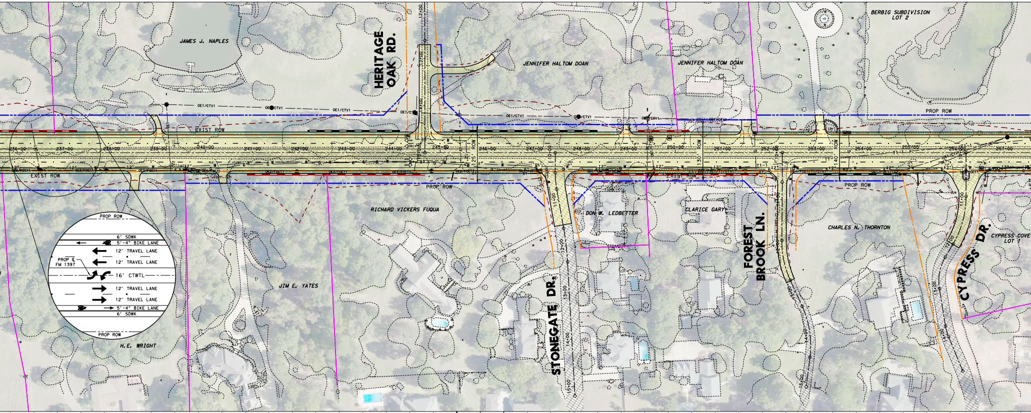
### LEGEND

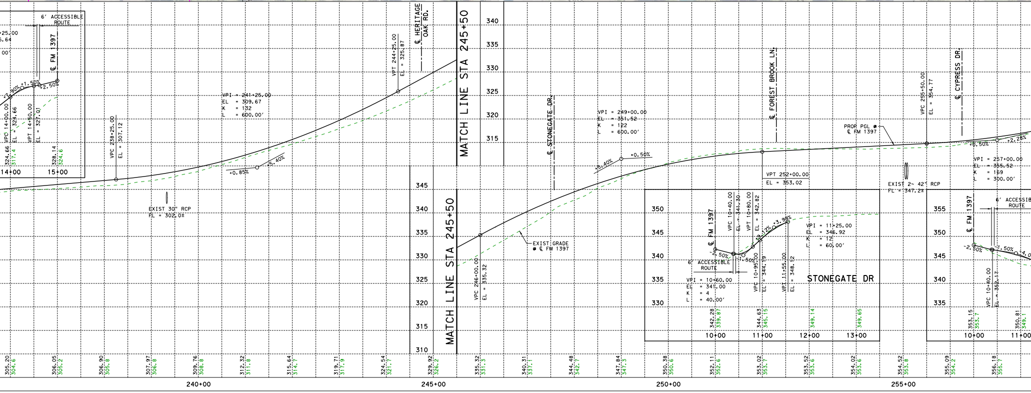
| | |
|---|---|
| - · - | EXIST ROW |
| — | PROPERTY LINE |
| - · - | PROP ROW |
| ▬ | RETAINING WALL (CUT) |
| ▬ | RETAINING WALL (FILL) |
| - - - | LIMITS OF CONSTRUCTION |
| ▨ | EXISTING PAVEMENT |

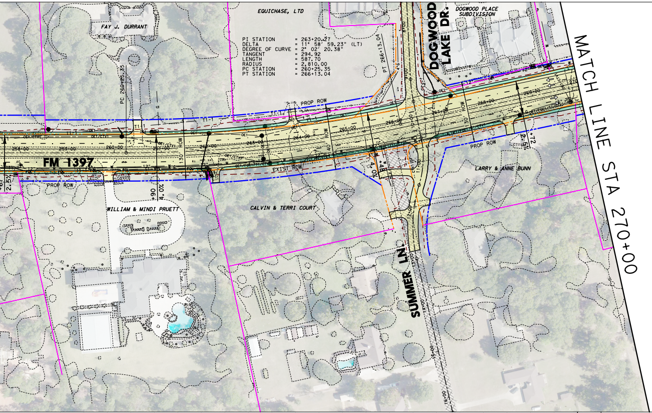

JOHN NUTT
FM 1397
UNIVERSITY
340
335
330
325
320
315
310
305
300
295
290
285
280
275
270
315
310
305
300
295
290
305.3
14+00
278.5
279.8
210+00

# YELLOW ALTERNATIVE
# (WIDEN ABOUT CENTERLINE)

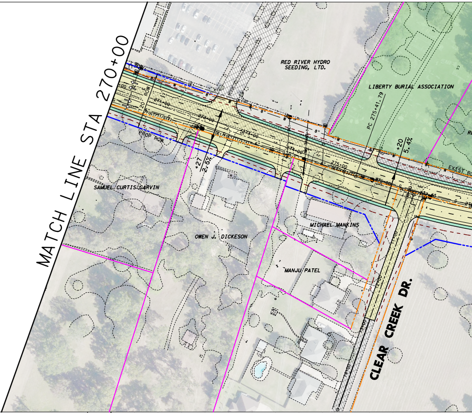

W/O WALL
SUSAN NAPLES
APPROX. LIMITS OF ZONE A FLOODPLAIN
LESLEY LYNN LEDWELL
JAMES KNOX MORSE, JR
SUSAN E. NAPLES 2012 TRUST
PROP ROW
EXIST ROW
PT 215+00.00
PC 216+45.63
+30 3.0%
+96 3.0%
PT 228+51.01
+35 5.5%
+70 2.5%
BEGIN PROJECT
STA 213+34.75
CSJ 0945-01-040
MATCH EXIST
FM 1397
UNIVERSITY AVE.
SHILLING RD.
APPROX. LIMITS OF ZONE A FLOODPLAIN
SHAUN DIERKSEN
SHAUN DIERKSEN
JAMES E. KEEVER
RON J. HEKIER
JOHN B. NORTON, , WILLIAM N. NORTON,
CHARLES M. NORTON, AND RICHARD F. NORTON
PI STATION = 212+52.59
DELTA = 20° 03′ 58.21″ (RT)
DEGREE OF CURVE = 4° 00′ 47.64″
TANGENT = 252.59
LENGTH = 500.00
RADIUS = 1,427.67
PC STATION = 210+00.00
PT STATION = 215+00.00
PI STATION = 222+52.49
DELTA = 16° 26′ 36.94″ (RT)
DEGREE OF CURVE = 1° 21′ 51.07″
TANGENT = 606.86
LENGTH = 1,205.38
RADIUS = 4,200.00
PC STATION = 216+45.63
PT STATION = 228+51.01
AVE
℄ FM 1397
VPC 15+80.00 EL = 291.17
VPI = 17+00.00
EL = 290.57
K = 26
L = 240.00′
VPT 18+20.00 EL = 300.99
VPI = 19+25.00
EL = 310.12
K = 34
L = 100.00′
VPC 18+75.00 EL = 305.77
VPT 19+75.00 EL = 312.97
6′ ACCESSIBLE ROUTE
-4.00%
-0.50%
+8.69%
+8.69%
+5.72%
292.4
291.14 291.9
293.32 295.7
299.33 302.5
307.85 309.3
15+00
16+00
17+00
18+00
19+00
310
305
300
295
℄ FM 1397
6′ ACCESSIBLE ROUTE
VPI = 10+70.00
EL = 299.91
K = 10
L = 50.00′
VPI = 11+15.00
EL = 297.06
K = 5
L = 40.00′
VPC 10+95.00 EL = 298.33
VPT 11+35.00 EL = 297.32
VPC 10+45.00 EL = 300.29
VPT 10+95.00 EL = 298.33
-2.60%
-1.50%
-6.35%
+1.32%
SHILLING RD
301.34 301.65
298.03 296.30
299.45
307.97
314.85
10+00
11+00
12+00
13+00
14+00
HERITAGE OAK RD
335
330
325
320
315
VPI = 13+10.00
EL = 317.55
K = 9
L = 80.00′
VPI = 14+
EL = 326
K = 8
L = 50.
VPC 12+70.00 EL = 318.07
VPT 13+50.00 EL = 320.71
-1.28%
+7.90%
322.3
319.55 319.5
318.20 317.6
11+00
12+00
13+00
℄ UNIVERSITY AVE.
℄ SHILLING RD.
BEGIN PROJECT
FM 1397 STA 213+34.75
CSJ 0945-01-040
MATCH EXIST
VPI = 214+75.00
EL = 286.89
K = 214
L = 250.00′
+1.92%
+0.75%
VPC 213+50.00 EL = 284.49
VPT 216+00.00 EL = 287.83
PROP PGL ℄ FM 1397
EXIST GRADE ℄ FM 1397
EXIST 24" RCP FL = 287.2±
EXIST 24" RCP FL = 290.9±
EXIST 24" RCP FL = 297.2±
VPC 227+50.00 EL = 296.45
VPI = 228+50.00
EL = 297.20
K = 267
L = 200.00′
VPT 229+50.00 EL = 298.70
+0.75%
+1.50%
+1.50%
+0.85%
VPC 230+00.00 EL = 299.45
VPI = 231+00.00
EL = 300.95
K = 308
L = 200.00′
VPT 232+00.00 EL = 301.80
281.6
283.5
285.39 285.4
286.84 286.5
287.83 287.6
288.58 288.5
289.33 289.6
290.08 289.9
290.83 290.2
291.58 288.8
292.33 291.0
293.08 287.3
293.83 290.4
294.58 292.0
295.33 294.6
296.08 296.2
296.87 297.1
298.00 298.9
299.45 300.3
300.79 301.2
301.80 301.9
302.65 302.4
303.50 302.9
304.35 303.3
215+00
220+00
225+00
230+00
235+00

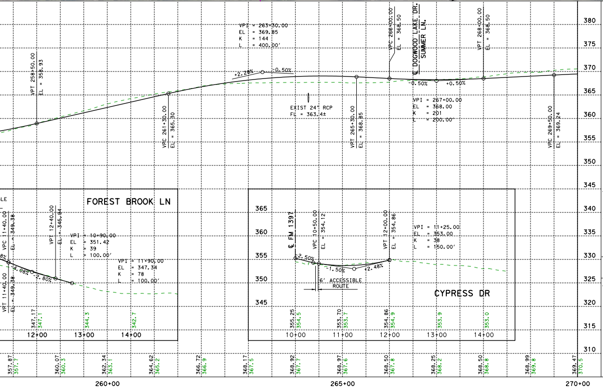

JAMES J. NAPLES
HERITAGE OAK RD.
JENNIFER HALTOM DOAN
JENNIFER HALTOM DOAN
BERBIG SUBDIVISION LOT 2
EXIST ROW
PROP ROW
OE1/CTV1
236+00
237+00
238+00
239+00
240+00
241+00
242+00
243+00
244+00
245+00
246+00
247+00
248+00
249+00
250+00
251+00
252+00
253+00
254+00
255+00
256+00
257+00
EXIST ROW
PROP ROW
RICHARD VICKERS FUQUA
DON W. LEDBETTER
CLARICE GARY
FOREST BROOK LN.
CHARLES N. THORNTON
CYPRESS DR.
CYPRESS COVE LOT 1
STONEGATE DR.
JIM E. YATES
H.E. WRIGHT
PROP ROW
6' SDWK
5'-4" BIKE LANE
12' TRAVEL LANE
12' TRAVEL LANE
PROP ℄ FM 1397
16' CTWTL
12' TRAVEL LANE
12' TRAVEL LANE
5'-4" BIKE LANE
6' SDWK
PROP ROW


6' ACCESSIBLE ROUTE
+25.00
.64
00'
℄ FM 1397
+7.90%
+1.50%
+2.50%
VPC 14+00.00
EL = 324.66
VPT 14+50.00
EL = 327.01
324.66
317.4
328.14
324.6
14+00
15+00
VPC 238+25.00
EL = 307.12
VPI = 241+25.00
EL = 309.67
K = 132
L = 600.00'
+0.85%
+5.40%
EXIST 30" RCP
FL = 302.0±
VPT 244+25.00
EL = 325.87
℄ HERITAGE OAK RD.
MATCH LINE STA 245+50
340
335
330
325
320
315
345
340
335
330
325
320
315
310
MATCH LINE STA 245+50
VPC 246+00.00
EL = 335.32
EXIST GRADE @ ℄ FM 1397
℄ STONEGATE DR.
VPI = 249+00.00
EL = 351.52
K = 122
L = 600.00'
+5.40%
+0.50%
℄ FOREST BROOK LN.
VPT 252+00.00
EL = 353.02
PROP PGL @ ℄ FM 1397
VPC 255+50.00
EL = 354.77
℄ CYPRESS DR.
+0.50%
+2.28%
VPI = 257+00.00
EL = 355.52
K = 169
L = 300.00'
EXIST 2~ 42" RCP
FL = 347.2±
350
345
340
335
330
℄ FM 1397
VPC 10+40.00
EL = 341.30
VPT 10+80.00
EL = 342.82
-2.50%
-1.50%
+9.12%
+3.99%
6' ACCESSIBLE ROUTE
VPI = 10+60.00
EL = 341.00
K = 4
L = 40.00'
VPC 10+95.00
EL = 344.19
VPT 11+55.00
EL = 348.12
VPI = 11+25.00
EL = 346.92
K = 12
L = 60.00'
STONEGATE DR
342.28
339.87
344.63
345.15
349.14
349.65
10+00
11+00
12+00
13+00
355
350
345
340
335
℄ FM 1397
6' ACCESSIB ROUTE
-2.50%
-1.50%
-4.0
VPC 10+40.00
EL = 352.17
353.15
353.7
350.81
349.1
10+00
11+00
305.20
304.6
306.05
305.2
306.90
305.8
307.97
306.8
309.76
308.8
312.32
311.8
315.64
314.7
319.71
317.9
324.54
321.7
329.92
326.2
335.32
331.3
340.31
337.1
344.48
342.7
347.84
347.3
350.38
350.6
352.11
352.6
353.02
353.7
353.52
353.6
354.02
353.6
354.52
353.8
355.09
354.2
356.18
355.7
240+00
245+00
250+00
255+00


EQUICHASE, LTD
FAY J. DURRANT
DOGWOOD LAKE DR.
DOGWOOD PLACE SUBDIVISION
FM 1397
PROP ROW
EXIST ROW
PC 260+25.35
PT 266+13.04
WILLIAM & MINDI PRUETT
CALVIN & TERRI COURT
LARRY & ANNE BUNN
SUMMER LN.
MATCH LINE STA 270+00

PI STATION = 263+20.27
DELTA = 11° 58′ 59.23″ (LT)
DEGREE OF CURVE = 2° 02′ 20.38″
TANGENT = 294.92
LENGTH = 587.70
RADIUS = 2,810.00
PC STATION = 260+25.35
PT STATION = 266+13.04


MATCH LINE STA 270+00
RED RIVER HYDRO SEEDING, LTD.
LIBERTY BURIAL ASSOCIATION
SAMUEL CURTIS GARVIN
OWEN J. DICKESON
MICHAEL MANKINS
MANJU PATEL
PROP ROW
EXIST ROW
PC 275+41.79
CLEAR CREEK DR.


VPT 259+50.00
EL = 358.93
VPC 261+30.00
EL = 365.30
VPI = 263+30.00
EL = 369.85
K = 144
L = 400.00′
+2.20%
-0.50%
EXIST 24" RCP
FL = 363.4±
VPT 265+30.00
EL = 368.85
VPC 266+00.00
EL = 368.50
℄ DOGWOOD LAKE DR. SUMMER LN.
-0.50%
+0.50%
VPI = 267+00.00
EL = 368.00
K = 201
L = 200.00′
VPT 268+00.00
EL = 368.50
VPC 269+50.00
EL = 369.24
FOREST BROOK LN
VPC 11+40.00
EL = 349.38
VPT 12+40.00
EL = 346.84
VPI = 10+90.00
EL = 351.42
K = 39
L = 100.00′
VPI = 11+90.00
EL = 347.34
K = 78
L = 100.00′
-4.08%
-2.80%
VRT 11+40.00
EL = 349.38
CYPRESS DR
℄ FM 1397
VPC 10+50.00
EL = 354.12
VPT 12+00.00
EL = 354.86
VPI = 11+25.00
EL = 353.00
K = 38
L = 150.00′
-2.50%
-1.50%
+2.48%
6′ ACCESSIBLE ROUTE
380
375
370
365
360
355
350
345
340
335
330
325
320
315
310
12+00
13+00
14+00
10+00
11+00
12+00
13+00
14+00
260+00
265+00
270+00

# UTILITIES LEGEND

LEVEL B

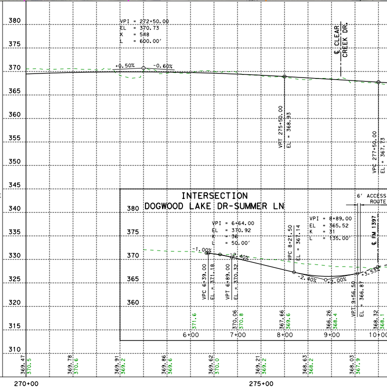
| | |
|---|---|
| E1 | UNDERGROUND ELEC - AEP/SOUTHWESTERN ELEC POWER CO. |
| G1 | GAS - CENTERPOINT |
| FOC1 | TELECOMMUNICATIONS - WINDSTREAM FIBER OPTIC CABLE |
| T1 | TELECOMMUNICATIONS - WINDSTREAM |
| CTV1 | CABLE TV - CABLE ONE |
| W1 | WATER - CITY OF TEXARKANA |
| UNK | UNKNOWN LINE |

LEVEL C

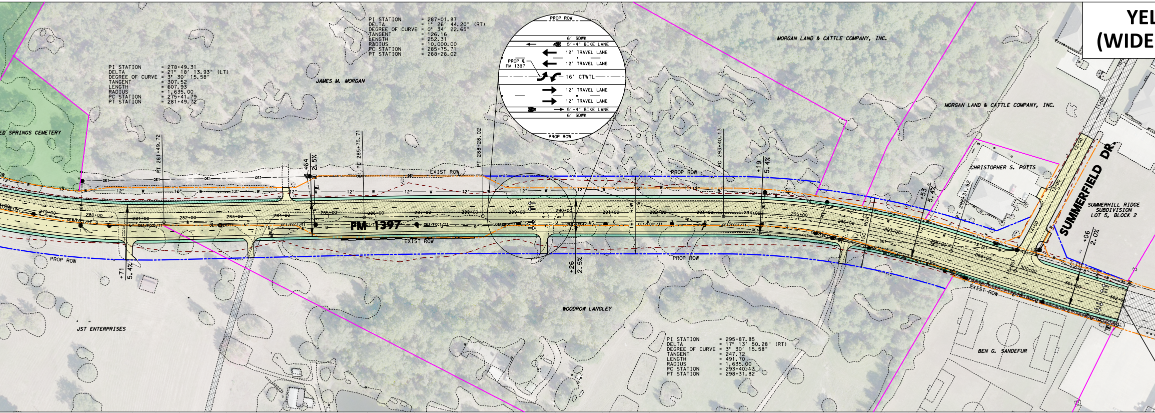
| | |
|---|---|
| OE1 | OH ELEC - AEP/SOUTHWESTERN ELEC POWER CO. |
| OE1/T1 | OH ELEC/TELECOM - AEP/WINDSTREAM COPPER CABLE |
| OE1/FOC1/T1 | OH ELEC/TELECOM - AEP/ WINDSTREAM FIBER OPTIC & COPPER CABLE |
| OE1/CTV1 | OH ELEC/CABLE TV - AEP/CABLE ONE |
| OE1/CTV1/T1 | OH ELEC/CABLE TV/TELECOM - AEP/CABLE ONE/WINDSTREAM COPPER CABLE |
| OE1/FOC1/T1/CTV1 | OH ELEC/TELECOM/CABLE TV- AEP/ WINDSTREAM FO & COPPER CABLE\CABLE ONE |
| OHT1 | OH TELECOM - WINDSTREAM COPPER CABLE |
| OHFOC1/T1 | OH TELECOM - WINDSTREAM FIBER OPTIC & COPPER CABLE |
| OHCTV1/T1/FOC1 | OH CABLE TV/TELECOM - CABLE ONE/ WINDSTREAM COPPER & FIBER OPTIC CABLE |

LEVEL D

| | |
|---|---|
| G1 (D) | GAS - CENTERPOINT |
| T1 (D) | TELECOMMUNICATIONS - WINDSTREAM COPPER CABLE |
| CTV1 (D) | CABLE TV - CABLE ONE |
| W1 (D) | WATER - CITY OF TEXARKANA |


VPI = 272+50.00
EL = 370.73
K = 548
L = 600.00′
+0.50%
-0.60%
℄ CLEAR CREEK DR.
VPT 275+50.00
EL = 368.93
VPC 277+50.00
EL = 367.73
INTERSECTION DOGWOOD LAKE DR-SUMMER LN
VPI = 6+64.00
EL = 370.92
K = 36
L = 50.00′
-1.00%
-2.40%
VPC 6+39.00
EL = 371.18
VPT 6+89.00
EL = 370.32
VPC 8+21.50
EL = 367.14
VPI = 8+89.00
EL = 365.52
K = 31
L = 135.00′
-2.80%
+2.00%
+3.53%
VPT 9+56.50
EL = 366.87
℄ FM 1397
6′ ACCESSIBLE ROUTE
380
375
370
365
360
6+00
7+00
8+00
9+00
10+00
270+00
275+00

YEL
(WIDE



PI STATION = 287+01.87
DELTA = 1° 26' 44.20" (RT)
DEGREE OF CURVE = 0° 34' 22.65"
TANGENT = 126.16
LENGTH = 252.31
RADIUS = 10,000.00
PC STATION = 285+75.71
PT STATION = 288+28.02
PI STATION = 278+49.31
DELTA = 21° 18' 13.93" (LT)
DEGREE OF CURVE = 3° 30' 15.58"
TANGENT = 307.52
LENGTH = 607.93
RADIUS = 1,635.00
PC STATION = 275+41.79
PT STATION = 281+49.72
PI STATION = 295+87.85
DELTA = 17° 13' 50.28" (RT)
DEGREE OF CURVE = 3° 30' 15.58"
TANGENT = 247.72
LENGTH = 491.70
RADIUS = 1,635.00
PC STATION = 293+40.13
PT STATION = 298+31.82
PROP ROW
6' SDWK
5'-4" BIKE LANE
12' TRAVEL LANE
12' TRAVEL LANE
PROP ℄ FM 1397
16' CTWTL
12' TRAVEL LANE
12' TRAVEL LANE
5'-4" BIKE LANE
6' SDWK
PROP ROW
MORGAN LAND & CATTLE COMPANY, INC.
MORGAN LAND & CATTLE COMPANY, INC.
JAMES M. MORGAN
ED SPRINGS CEMETERY
CHRISTOPHER S. POTTS
SUMMERHILL RIDGE SUBDIVISION LOT 5, BLOCK 2
SUMMERFIELD DR.
WOODROW LANGLEY
JST ENTERPRISES
BEN G. SANDEFUR
FM 1397
EXIST ROW
EXIST ROW
PROP ROW
PROP ROW
PROP ROW
EXIST ROW
PT 281+49.72
PC 285+75.71
PT 288+28.02
PC 293+40.13
PT 298+31.82
+64 2.5%
+19 5.4%
+53 5.4%
+71 5.4%
+26 2.5%
+06 2.0%
12'
165' ROW
150' ROW
279+00
280+00
281+00
282+00
283+00
284+00
285+00
286+00
287+00
288+00
289+00
290+00
291+00
292+00
293+00
294+00
295+00
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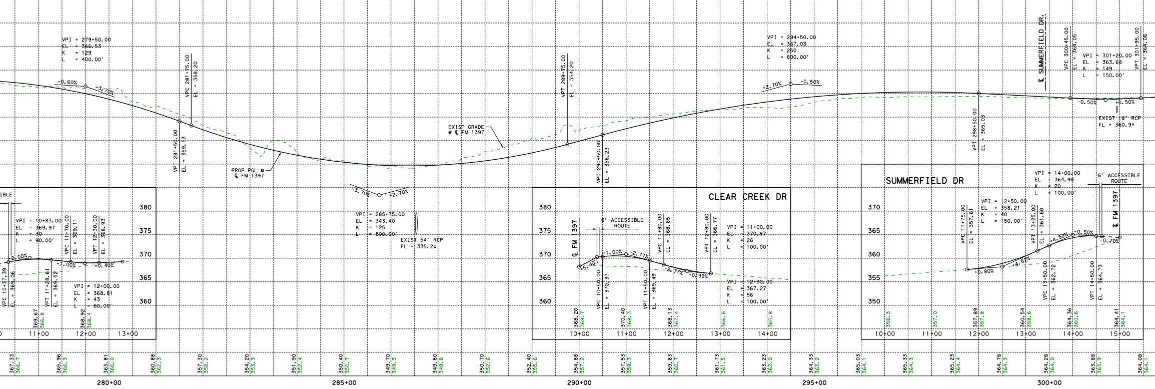
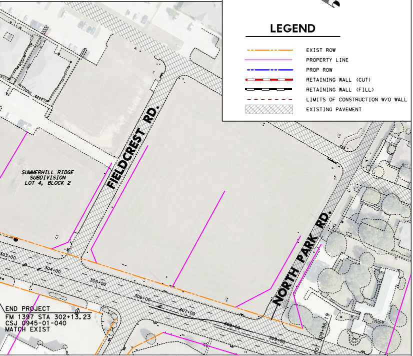
297+00
298+00
299+00
300+00
301+00
302+00
12+00
13+00
14+00



VPI = 279+50.00
EL = 366.53
K = 129
L = 400.00'
-0.60%
-3.70%
VPC 281+75.00 EL = 358.20
VPT 281+50.00 EL = 359.13
PROP PGL @ ℄ FM 1397
EXIST GRADE @ ℄ FM 1397
-3.70%
+2.70%
VPI = 285+75.00
EL = 343.40
K = 125
L = 800.00'
EXIST 54" RCP
FL = 335.2±
VPT 289+75.00 EL = 354.20
VPC 290+50.00 EL = 356.23
VPI = 294+50.00
EL = 367.03
K = 250
L = 800.00'
+2.70%
-0.50%
VPT 298+50.00 EL = 365.03
℄ SUMMERFIELD DR.
VPC 300+45.00 EL = 364.05
VPI = 301+20.00
EL = 363.68
K = 149
L = 150.00'
VPT 301+95.00 EL = 364.06
-0.50%
+0.50%
EXIST 18" RCP
FL = 360.9±
IBLE
VPI = 10+83.00
EL = 369.97
K = 30
L = 90.00'
VPC 11+70.00 EL = 369.11
VPT 12+30.00 EL = 368.93
+2.00%
-1.00%
+0.40%
VPI = 12+00.00
EL = 368.81
K = 43
L = 60.00'
VPC 10+37.39 EL = 368.06
VPT 11+28.61 EL = 369.52
380
375
370
365
360
CLEAR CREEK DR
℄ FM 1397
6' ACCESSIBLE ROUTE
VPC 11+80.00 EL = 368.65
VPT 12+80.00 EL = 366.77
VPI = 11+00.00
EL = 370.87
K = 26
L = 100.00'
VPI = 12+30.00
EL = 367.27
K = 56
L = 100.00'
+5.40%
+1.00%
-2.77%
-2.77%
-0.99%
VPC 10+50.00 EL = 370.37
VPT 11+50.00 EL = 369.49
SUMMERFIELD DR
VPI = 14+00.00
EL = 364.98
K = 20
L = 100.00'
6' ACCESSIBLE ROUTE
℄ FM 1397
VPI = 12+50.00
EL = 358.21
K = 40
L = 150.00'
VPC 11+75.00 EL = 357.61
VPT 13+25.00 EL = 361.60
+0.80%
+4.52%
+4.52%
-0.50%
-0.70%
VPC 13+50.00 EL = 362.72
VPT 14+50.00 EL = 364.73
370
365
360
355
350
368.20 368.7
370.40 368.3
368.13 367.4
366.6
365.8
356.3
357.0
357.89 357.8
360.54 358.6
364.36 360.6
364.41 364.1
369.67 366.8
368.92 368.4
10+00
11+00
12+00
13+00
14+00
15+00
367.33 366.7
365.96 366.3
363.81 366.0
360.88 362.3
357.30 358.2
354.20 353.3
351.90 352.4
350.40 350.7
349.70 349.3
349.80 349.8
350.70 352.6
352.40 355.6
354.88 357.2
357.53 359.3
359.83 360.7
361.73 361.5
363.23 362.0
364.33 363.2
365.03 364.1
365.33 364.3
365.23 364.4
364.78 364.3
364.28 364.0
363.88 363.9
364.08 364.1
280+00
285+00
290+00
295+00
300+00

# LLOW ALTERNATIVE
# N ABOUT CENTERLINE)

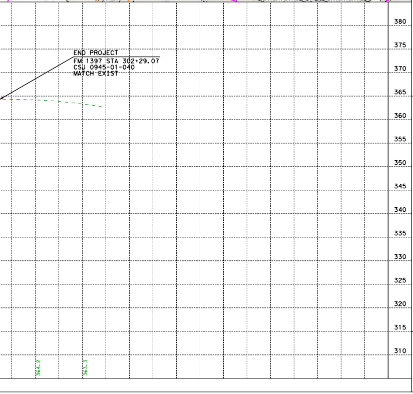


SUMMERHILL RIDGE SUBDIVISION LOT 4, BLOCK 2
FIELDCREST RD.
NORTH PARK RD.
303+00
304+00
305+00
306+00
307+00
308+00
309+00
309+96.19
END PROJECT
FM 1397 STA 302+13.23
CSJ 0945-01-040
MATCH EXIST

N

## LEGEND

- EXIST ROW
- PROPERTY LINE
- PROP ROW
- RETAINING WALL (CUT)
- RETAINING WALL (FILL)
- LIMITS OF CONSTRUCTION W/O WALL
- EXISTING PAVEMENT



Texas Department of Transportation
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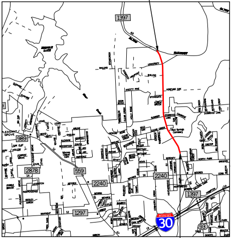
# DESIGN SCHEMATIC

## FM 1397
## CSJ: 0945-01-040

FROM UNIVERSITY AVENUE TO 0.1 MILES NORTH OF NORTH PARK ROAD

MICHAEL C. ANDERSON, P.E.
DISTRICT ENGINEER

BEGIN PROJECT
CSJ: 0945-01-040



1397
989
2878
559
2240
2240
1297
1397
30
93

PROJECT LOCATION MAP
BOWIE COUNTY
SCALE: 1"=4000'

END PROJECT
CSJ: 0945-01-040

## TRAFFIC DATA

SHILLING TO HERITAGE OAKS
2018 CURRENT ADT : 2,127
2042 PROJECTED ADT : 3,000

HERITAGE OAKS TO N PARK ROAD
2018 CURRENT ADT : 9,606
2042 PROJECTED ADT : 13,500

## BOWIE COUNTY

FUNCTIONAL CLASSIFICATION : URBAN ARTERIAL

PROJECT LENGTH : 1.613 MILES

DESIGN SPEED : MAINLANES - 55 MPH
CROSS STREETS - MEETS/EXCEEDS EXISTING CONDITIONS

SCALE : 0' 50' 100'
HORIZONTAL SCALE
0' 5' 10'
VERTICAL SCALE

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

TREVOR L. CASTILLA
PROJECT ENGINEER

| 85405 | 6/5/2019 |
|---|---|
| P.E. NUMBER | DATE |

ROLL 1 OF 1

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

CIVIL CONSULTING GROUP
1575 HERITAGE DRIVE, STE. 308
MCKINNEY, TEXAS 75069
P 972.569.9193 F 972.569.9197
TEXAS REGISTERED ENGINEERING FIRM NO. F-9356