i:\proj\01300701\dgn\300701TDT96.DGN
Wed Jul 19 15:07:13 2006
\\HZDALLAS2\DISK0\PLOTTING\PDF\300701tdt96.prf
theressa

Texas Department of Transportation

DALLAS DISTRICT
WILLIAM L. HALE, P.E., DISTRICT ENGINEER

DENTON COUNTY

DESIGN SCHEMATIC

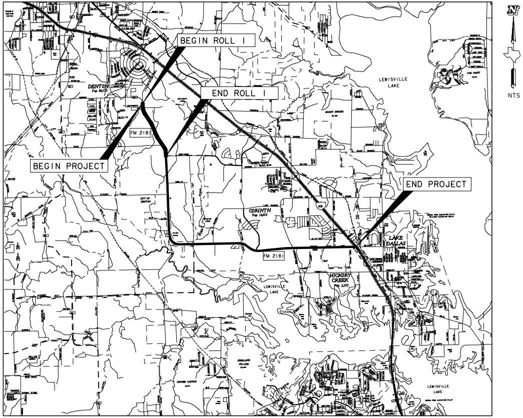
FM 2181 FROM LILLIAN MILLER PARKWAY TO IH 35E

CSJ: 2054-02-015,016

DESIGN SPEED = 40 MPH
FUNCTIONAL CLASS: MINOR ARTERIAL
PROJECT LENGTH = 36,093.5 FT; 6.84 MILES
ROLL 1 OF 4
STA. 10112+71.33 TO STA. 10190+00

SCALE 1"=100'H, 1"=10'V

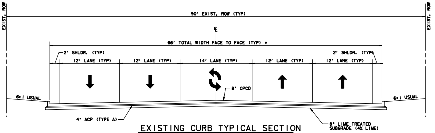
JULY 2006


BEGIN ROLL 1
END ROLL 1
BEGIN PROJECT
END PROJECT
FM 2181
FM 2181
DENTON
CITY OF DENTON
CORINTH
LAKE DALLAS
HICKORY CREEK
LEWISVILLE LAKE
LEWISVILLE LAKE
LEWISVILLE LAKE
N
NTS

KEY MAP
NTS

HUITT-ZOLLARS
Huitt-Zollars, Inc.
3131 McKinney Avenue, Suite 600
Dallas, Texas 75204-2489

© 2006 BY TEXAS DEPARTMENT OF TRANSPORTATION
ALL RIGHTS RESERVED

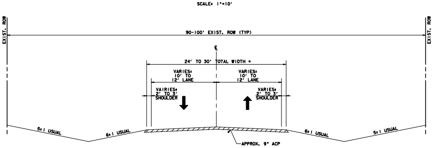

EXIST. ROW
90' EXIST. ROW (TYP)
EXIST. ROW
℄
66' TOTAL WIDTH FACE TO FACE (TYP) *
2' SHLDR. (TYP)
2' SHLDR. (TYP)
12' LANE (TYP)
12' LANE (TYP)
14' LANE (TYP)
12' LANE (TYP)
12' LANE (TYP)
8" CPCD
6:1 USUAL
6:1 USUAL
4" ACP (TYPE A)
8" LIME TREATED SUBGRADE (4% LIME)

EXISTING CURB TYPICAL SECTION

(STA 10112+71.33 TO STA 10125+50)

* PAVEMENT TRANSITIONS FROM STA 10125+50 TO STA 10136+00

SCALE: 1"=10'

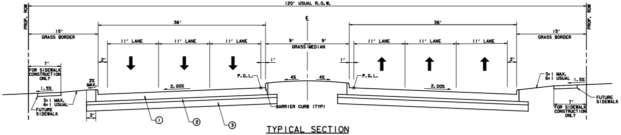

EXIST. ROW
90-100' EXIST. ROW (TYP)
EXIST. ROW
℄
24' TO 30' TOTAL WIDTH *
VARIES: 10' TO 12' LANE
VARIES: 10' TO 12' LANE
VAIRIES: 2' TO 3' SHOULDER
VARIES: 2' TO 3' SHOULDER
5:1 USUAL
6:1 USUAL
6:1 USUAL
5:1 USUAL
APPROX. 9" ACP

EXISTING TYPICAL SECTION

(STA 10136+00 TO STA 10473+00)

* PAVEMENT TRANSITIONS FROM STA 10125+50 TO STA 10136+00

SCALE: 1"=10'


PROP. ROW
120' USUAL R.O.W.
PROP. ROW
℄
15'
GRASS BORDER
36'
11' LANE
11' LANE
11' LANE
9'
9'
GRASS MEDIAN
36'
11' LANE
11' LANE
11' LANE
15'
GRASS BORDER
7'
FOR SIDEWALK CONSTRUCTION ONLY
2'
1'
1'
2'
P.G.L.
P.G.L.
4%
4%
2% MAX.
1.5%
2.00%
2.00%
3:1 MAX.
6:1 USUAL
3:1 MAX.
6:1 USUAL
1.5%
FUTURE SIDEWALK
FUTURE SIDEWALK
7'
FOR SIDEWALK CONSTRUCTION ONLY
2'
BARRIER CURB (TYP)
①
②
③

TYPICAL SECTION

SCALE: 1"=10'

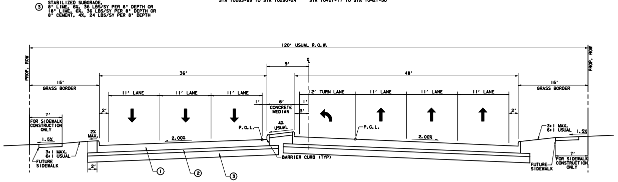
STA 10134+44 TO STA 10146+16
STA 10173+68 TO STA 10177+19
STA 10185+94 TO STA 10192+83
STA 10201+40 TO STA 10209+32
STA 10217+92 TO STA 10218+31
STA 10227+21 TO STA 10231+49
STA 10254+04 TO STA 10257+52
STA 10274+30 TO STA 10275+29
STA 10283+89 TO STA 10290+24

STA 10295+38 TO STA 10299+89
STA 10309+44 TO STA 10315+13
STA 10319+93 TO STA 10326+26
STA 10345+56 TO STA 10346+18
STA 10350+76 TO STA 10362+75
STA 10380+98 TO STA 10386+77
STA 10395+53 TO STA 10402+33
STA 10412+45 TO STA 10412+77
STA 10421+17 TO STA 10421+50

① 9" CRCP

② 4" ACP (TYPE 'A')

③ STABILIZED SUBGRADE,
8" LIME, 6%, 36 LBS/SY PER 8" DEPTH OR
18" LIME, 6%, 36 LBS/SY PER 8" DEPTH OR
8" CEMENT, 4%, 24 LBS/SY PER 8" DEPTH


PROP. ROW
120' USUAL R.O.W.
PROP. ROW
℄
9'
15'
GRASS BORDER
36'
11' LANE
11' LANE
11' LANE
1'
6'
CONCRETE MEDIAN
1'
3'
48'
12' TURN LANE
11' LANE
11' LANE
11' LANE
15'
GRASS BORDER
7'
FOR SIDEWALK CONSTRUCTION ONLY
2'
2'
P.G.L.
P.G.L.
4% USUAL
2% MAX.
1.5%
2.00%
2.00%
3:1 MAX.
6:1 USUAL
3:1 MAX.
6:1 USUAL
1.5%
FUTURE SIDEWALK
FUTURE SIDEWALK
7'
FOR SIDEWALK CONSTRUCTION ONLY
2'
BARRIER CURB (TYP)
①
②
③

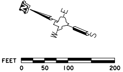
TYPICAL TURN BAY SECTION

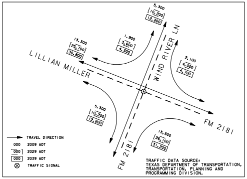
SCALE: 1"=10'

(STATION RANGES INCLUDE TURN LANE TRANSITIONS AND MEDIAN OPENINGS)

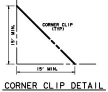
STA 10113+07 TO STA 10134+44
STA 10146+16 TO STA 10173+68
STA 10177+19 TO STA 10185+94
STA 10192+83 TO STA 10201+40
STA 10209+32 TO STA 10217+92
STA 10218+31 TO STA 10227+21
STA 10231+49 TO STA 10254+04
STA 10257+52 TO STA 10274+30
STA 10275+29 TO STA 10283+89

STA 10290+24 TO STA 10295+38
STA 10299+89 TO STA 10309+44
STA 10315+13 TO STA 10319+93
STA 10326+26 TO STA 10345+56
STA 10346+18 TO STA 10350+76
STA 10362+75 TO STA 10380+98
STA 10386+77 TO STA 10395+53
STA 10402+33 TO STA 10412+45
STA 10412+77 TO STA 10421+17
STA 10421+50 TO STA 10441+00


N
E
W
S
FEET
0
50
100
200


5,300
10,200
12,200
1,900
3,600
4,300
13,300
25,700
30,800
2,100
4,000
4,700
5,300
10,200
12,200
13,500
26,100
31,200
LILLIAN MILLER
WIND RIVER LN
FM 2181
FM 2181
TRAVEL DIRECTION
000 2009 ADT
000 2029 ADT
000 2039 ADT
⊗ TRAFFIC SIGNAL

TRAFFIC DATA SOURCE:
TEXAS DEPARTMENT OF TRANSPORTATION,
TRANSPORTATION, PLANNING AND
PROGRAMMING DIVISION.


15' MIN.
CORNER CLIP (TYP)
15' MIN.

CORNER CLIP DETAIL

LEGEND

—— – –	CENTERLINE - ℄
—— ——	EXIST. GROUND @ ℄
————	EXIST. ROW
— — — —	EXIST. DRNG. ESMT.
▬▬▬▬	PROPOSED ROW
— — — —	PROPOSED DRNG. ESMT.
------------	PROPOSED CONST. ESMT
▨	IMPACTED BUILDING
	HANDICAP RAMP
60' PROP. ROW	ROW DIMENSIONING FROM PROP. ℄ TO PROP. ROW

NOTES:

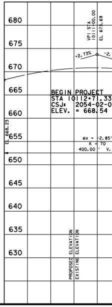
1. ADA RAMPS SHALL BE PLACED AT ALL INTERSECTIONS. MAXIMUM CROSS SLOPE FOR SIDEWALKS WILL BE 1.5%. PROPOSED SIDEWALKS TO BE INSTALLED ONLY WHERE THERE ARE EXISTING SIDWALKS.

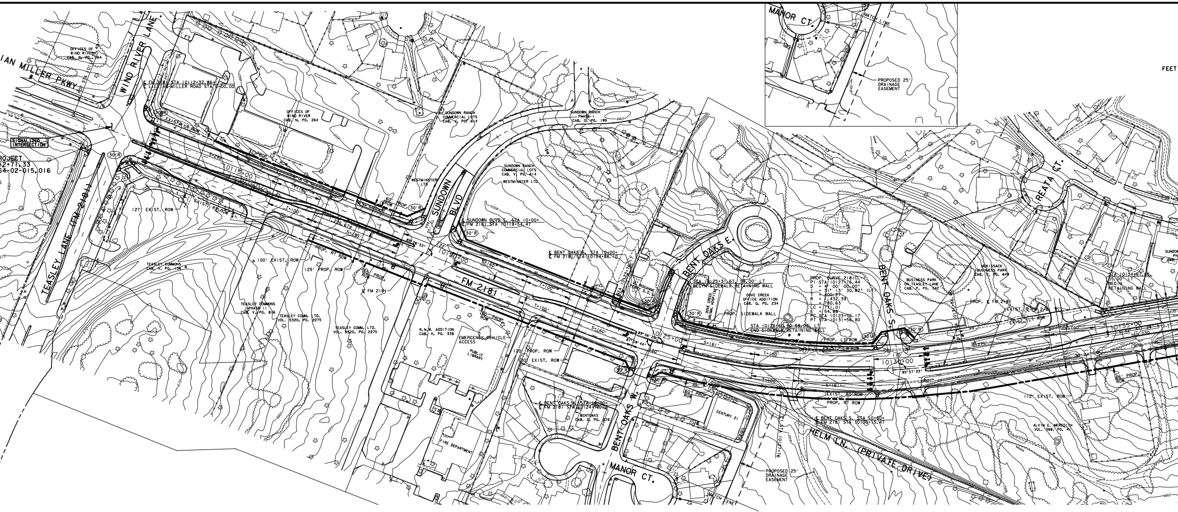
2. EXISTING CONTOURS PROVIDED FOR PRELIMINARY REVIEW PURPOSES ONLY.

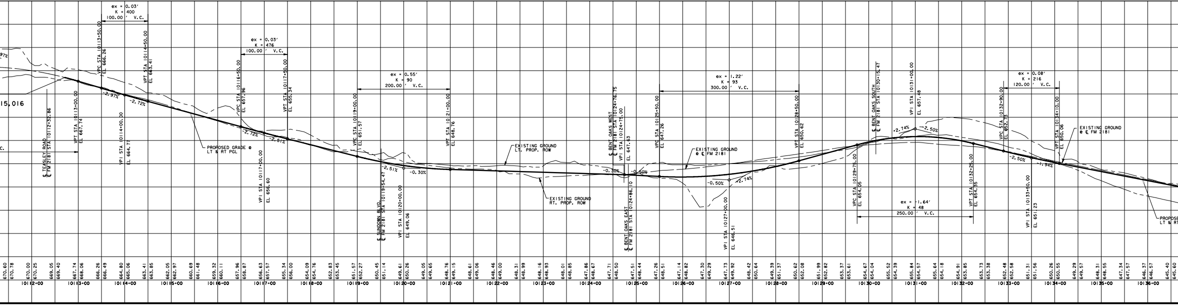
3. MEDIAN OPENINGS ARE APPROXIMATE AND SUBJECT TO CHANGES DURING COORDINATION WITH THE CITIES OF DENTON, CORINTH AND HICKORY CREEK.

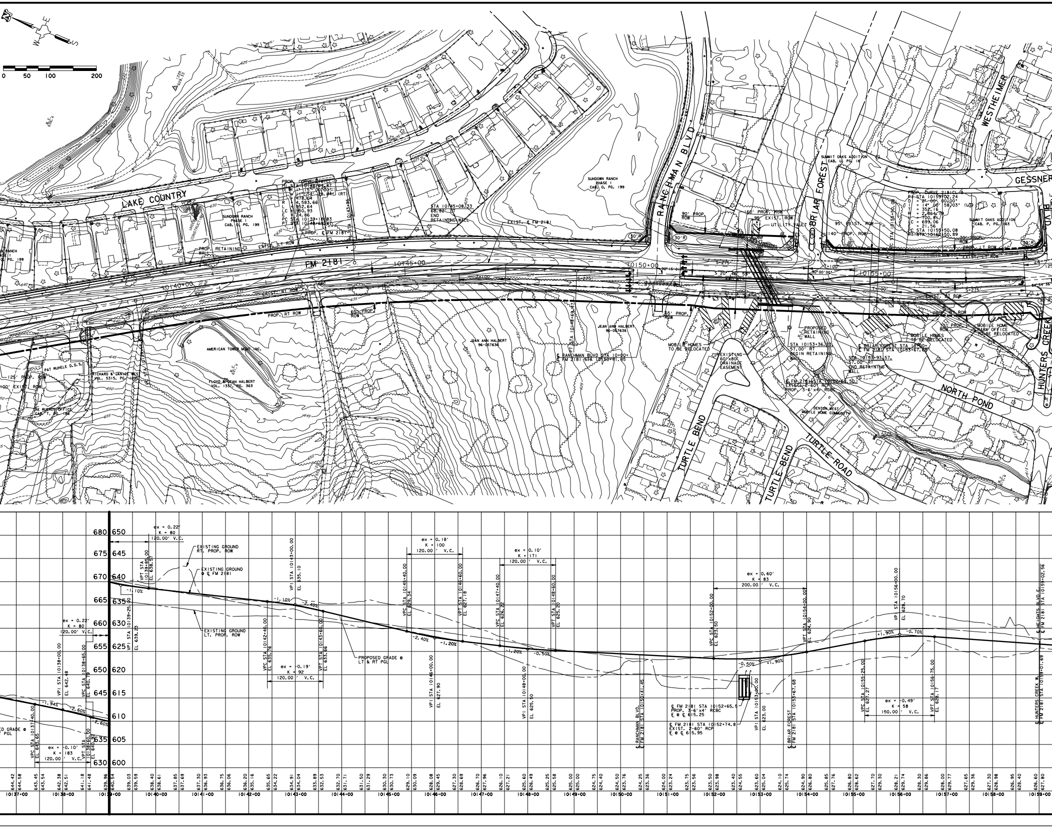
4. TSS IMPACT TO JURISDICTIONAL WATERS TO BE ADDRESSED IN THE EROSION CONTROL PLANS AND SWPPP DURING CONSTRUCTION.

LILL
BEGIN PR
STA 1011
CSJ: 205
670

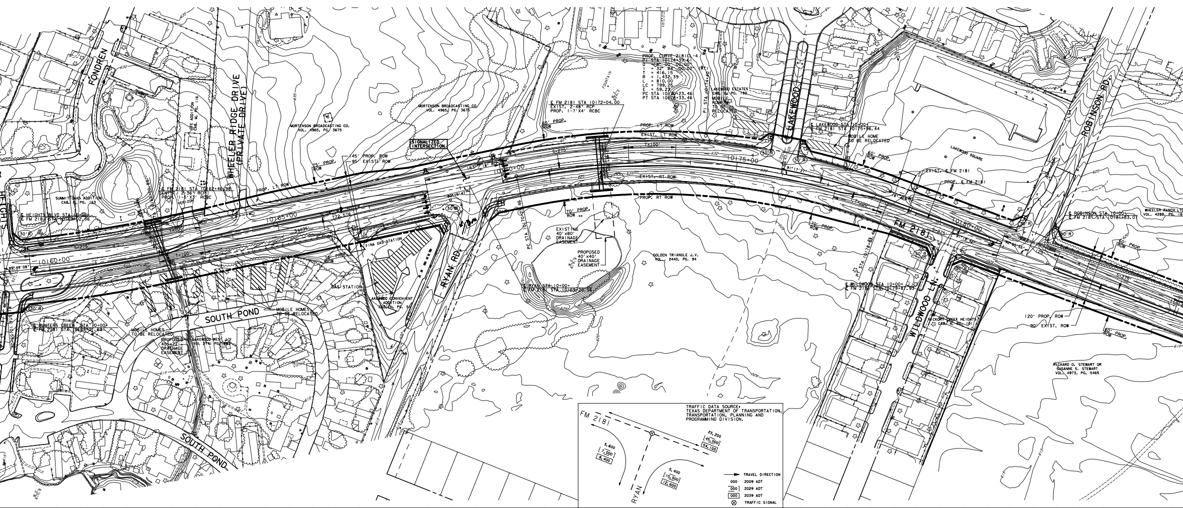


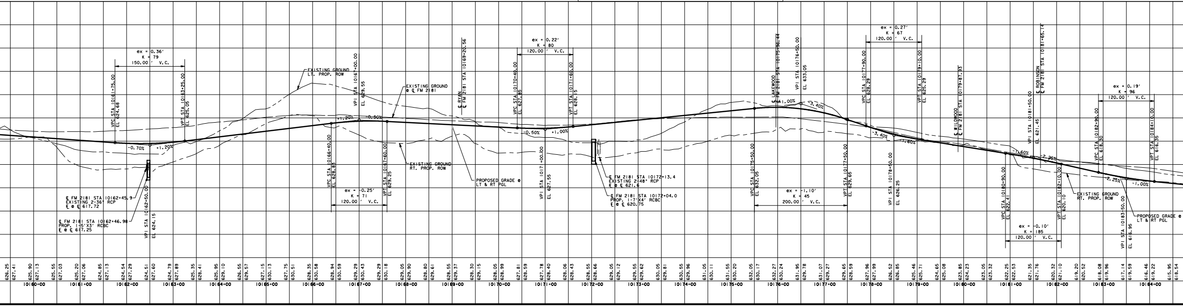

LILLIAN MILLER PKWY
WIND RIVER LANE
TEASLEY LANE (FM 2181)
SIGNALIZED INTERSECTION
PROJECT
10112+71.33
0354-02-015,016
OFFICES OF WIND RIVER CAB. N, PG. 264
℄ FM 2181 STA 10112+32.86=
℄ LILLIAN MILLER ROAD STA 0+00.00
SUNDOWN RANCH COMMERCIAL LOTS CAB. V, PG. 614
SUNDOWN RANCH PHASE-I CAB. O, PG. 199
WESTMINSTER LTD
SUNDOWN BLVD
℄ SUNDOWN BLVD E. STA 10+00=
℄ FM 2181 STA 10119+54.47
127' EXIST. ROW
100' EXIST. ROW
125' PROP. ROW
TEASLEY COMMONS CAB. V, PG. 136
TEASLEY COMMONS PHASE II CAB. V, PG. 816
TEASLEY COMM. LTD. VOL. 5320, PG. 2275
FM 2181
℄ FM 2181
R.N.W. ADDITION CAB. H, PG. 338
EMERGENCY VEHICLE ACCESS
PUBLIC LIBRARY
FIRE DEPARTMENT
120' PROP. ROW
100' EXIST. ROW
℄ BENT OAKS E. STA 10+00=
℄ FM 2181 STA 10124+86.10
℄ BENT OAKS W. STA 10+00=
℄ FM 2181 STA 10124+76.75
BENTOAKS CAB. D, PG. 276
BENT OAKS W.
BENT OAKS E.
BENT OAKS S.
MANOR CT.
CENTURY 21
DOVE CREEK OFFICE ADDITION CAB. O, PG. 234
STA 10125+31.67, 38.00' LT BEGIN SIDEWALK RETAINING WALL
PROP. SIDEWALK WALL
STA 10126+60.80 68.00' LT END SIDEWALK RETAINING WALL
PROP. CURVE 2181CL-1
PI STA 10127+76.44
D = 4° 00' 00.00"
Δ = 31° 13' 30.82" (LT)
T = 400.27
R = 1,432.39
L = 780.63
LC = 771.01
E = 54.88
PC STA 10123+76.17
PT STA 10131+56.80
BUSINESS PARK ON TEASLEY LANE CAB. P, PG. 342
MORISSACK BUSINESS PARK CAB. V, PG. 649
PROP. ℄ FM 2181
EXIST. ℄ FM 2181
EXIST. LT ROW
PROP. LT ROW
PROP. RT ROW
EXIST. RT ROW
STA 10134+67.86, 55.00' LT BEGIN RETAINING WALL
112' EXIST. ROW
℄ BENT OAKS S. STA 10+00=
℄ FM 2181 STA 10130+15.47
ALVIN E. MEREDITH VOL. 388, PG. 4
HELM LN. (PRIVATE DRIVE)
PROPOSED 25' DRAINAGE EASEMENT
MATCH LINE
REATA CT.
FEET
10115+00
10120+00
10125+00
10130+00
10135+00
T=100'
S=160'
S=161'
30'R

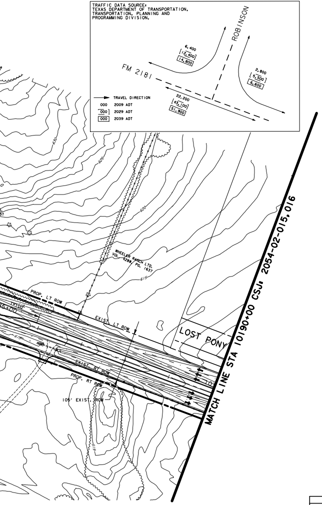

ex = 0.03'
K = 400
100.00' V.C.
VPC STA 10113+50.00
EL 666.26
VPT STA 10114+50.00
EL 663.41
VPT STA 10113+00.00
EL 667.74
VPI STA 10114+00.00
EL 664.77
℄ TEASLEY ROAD
℄ FM 2181 STA 10112+32.86
-2.97%
-2.72%
PROPOSED GRADE @ LT & RT PGL
ex = 0.03'
K = 476
100.00' V.C.
VPC STA 10116+50.00
EL 657.96
VPT STA 10117+50.00
EL 655.34
VPI STA 10117+00.00
EL 656.60
-2.72%
-2.51%
ex = 0.55'
K = 90
200.00' V.C.
VPC STA 10119+00.00
EL 651.57
VPT STA 10121+00.00
EL 648.76
VPI STA 10120+00.00
EL 649.06
℄ SUNDOWN BLVD.
℄ FM 2181 STA 10119+54.47
-2.51%
-0.30%
EXISTING GROUND LT. PROP. ROW
EXISTING GROUND RT. PROP. ROW
℄ BENT OAKS WEST
℄ FM 2181 STA 10124+76.75
VPT STA 10124+75.00
EL 647.63
℄ BENT OAKS EAST
℄ FM 2181 STA 10124+86.10
-0.30%
-0.50%
ex = 1.22'
K = 93
300.00' V.C.
VPC STA 10125+50.00
EL 647.26
VPT STA 10128+50.00
EL 650.62
VPI STA 10127+00.00
EL 646.51
EXISTING GROUND @ ℄ FM 2181
-0.50%
+2.74%
℄ BENT OAKS SOUTH
℄ FM 2181 STA 10130+15.47
VPI STA 10131+00.00
EL 657.48
+2.74%
-2.50%
VPC STA 10129+75.00
EL 654.05
ex = -1.64'
K = 48
250.00' V.C.
VPT STA 10132+25.00
EL 654.35
ex = 0.08'
K = 216
120.00' V.C.
VPC STA 10132+90.00
EL 652.73
VPT STA 10134+10.00
EL 650.06
VPI STA 10133+50.00
EL 651.23
-2.50%
-1.94%
EXISTING GROUND @ ℄ FM 2181
PROPOSED GRADE @ LT & RT PGL
10112+00
10113+00
10114+00
10115+00
10116+00
10117+00
10118+00
10119+00
10120+00
10121+00
10122+00
10123+00
10124+00
10125+00
10126+00
10127+00
10128+00
10129+00
10130+00
10131+00
10132+00
10133+00
10134+00
10135+00
10136+00

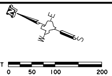


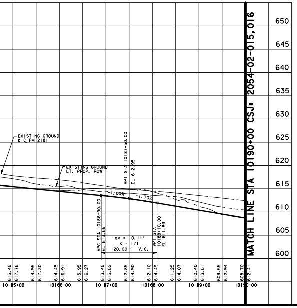
0 50 100 200
LAKE COUNTRY
FM 2181
10140+00
10145+00
10150+00
10155+00
RANCHMAN BLVD
BRIAR FOREST
WESTHEIMER
GESSNER
TURTLE BEND
TURTLE ROAD
NORTH POND
HUNTERS CREEK
SUNDOWN RANCH PHASE I CAB. O, PG. 199
SUMMIT OAKS ADDITION CAB. U, PG. 16
SUMMIT OAKS ADDITION CAB. P, PG. 63
AMERICAN TOWER MGMT INC.
FLOYD & JEAN HALBERT VOL. 1337, PG. 363
JEAN ANN HALBERT 96-057636
PAT RUHELE O.D.S.
RICHARD & JANICE WEST VOL. 5315, PG. 195
DENTON WEST MOBILE HOME COMMUNITY
MOBILE HOMES TO BE RELOCATED
MOBILE HOME PARK OFFICE TO BE RELOCATED
EXISTING 60'x80' DRAINAGE EASEMENT
PROP. RETAINING WALL
STA 10145+08.53 68.82' LT END RETAINING WALL
EXIST. ℄ FM 2181
EXIST. LT ROW
EXIST. RT ROW
PROP. RT ROW
PROP. LT ROW
65' PROP. ROW
90' PROP. ROW
160' PROP. ROW
95' EXIST. ROW
140' PROP. ROW
125' PROP. ROW
100' EXIST. ROW
UTILITY VAULT
PROPOSED RETAINING WALL
STA 10153+36.25 57.00' RT BEGIN RETAINING WALL
STA 10153+93.57 57.00' RT END RETAINING WALL
℄ RANCHMAN BLVD STA 10+00= ℄ FM 2181 STA 10150+41.45
℄ BRIAR FOREST STA 10+00= ℄ FM 2181 STA 10153+67.68
℄ FM 2181 STA 10152+65.50 EXIST. 2-60" RCP PROP. 3-6'x4' RCBC
PROP. CURVE 2181CL-2
PROP. CURVE 2181CL-3 PI STA 10159+02.24 D = 2°00'00.00" I = 14°00'58.03" (LT) T = 352.16 R = 2,864.79 L = 700.81 LC = 699.06 E = 21.56 PC STA 10155+50.08 PT STA 10162+50.89
EXISTING GROUND RT. PROP. ROW
EXISTING GROUND ℄ FM 2181
EXISTING GROUND LT. PROP. ROW
PROPOSED GRADE @ LT & RT PGL
680 675 670 665 660 655 650 645 640 635 630
650 645 640 635 630 625 620 615 610 605 600
ex = 0.22' K = 80 120.00' V.C.
ex = -0.10' K = 183 120.00' V.C.
ex = -0.19' K = 92 120.00' V.C.
ex = 0.18' K = 100 120.00' V.C.
ex = 0.10' K = 171 120.00' V.C.
ex = 0.60' K = 83 200.00' V.C.
ex = -0.49' K = 58 150.00' V.C.
-1.94% -2.60% -1.10% -2.40% -1.20% -0.50% +1.90% -0.70%
VPC STA 10137+40.00 EL 643.65
VPI STA 10138+00.00 EL 642.48
VPC STA 10138+65.00 EL 640.79
VPT STA 10138+60.00 EL 640.32
VPI STA 10139+25.00 EL 639.23
VPT STA 10139+85.00 EL 638.57
VPC STA 10142+40.00 EL 635.76
VPI STA 10143+00.00 EL 635.10
VPT STA 10143+60.00 EL 633.66
VPC STA 10145+40.00 EL 629.34
VPI STA 10146+00.00 EL 627.90
VPT STA 10146+60.00 EL 627.18
VPC STA 10147+40.00 EL 626.22
VPI STA 10148+00.00 EL 625.50
VPT STA 10148+60.00 EL 625.20
VPC STA 10152+00.00 EL 623.50
VPI STA 10153+00.00 EL 623.00
VPT STA 10154+00.00 EL 624.90
VPC STA 10155+25.00 EL 627.27
VPI STA 10156+00.00 EL 628.70
VPT STA 10156+75.00 EL 628.17
℄ RANCHMAN BLVD. ℄ FM 2181 STA 10150+41.45
℄ BRIAR FOREST ℄ FM 2181 STA 10153+67.68
℄ FM 2181 STA 10152+65.5 PROP. 3-6'x4' RCBC F.L. @ ℄ 615.25
℄ FM 2181 STA 10152+74.8 EXIST. 2-60" RCP F.L. @ ℄ 615.95
℄ HUNTERS CREEK W. ℄ FM 2181 STA 10159+01.69
℄ HEIGHTS BLVD E. ℄ FM 2181 STA 10159+02.56
10137+00 10138+00 10139+00 10140+00 10141+00 10142+00 10143+00 10144+00 10145+00 10146+00 10147+00 10148+00 10149+00 10150+00 10151+00 10152+00 10153+00 10154+00 10155+00 10156+00 10157+00 10158+00 10159+00


FONDREN
WHEELER RIDGE DRIVE (PRIVATE DRIVE)
HEIGHTS
SUMMIT OAKS ADDITION CAB. N, PG. 163
MORTENSON BROADCASTING CO. VOL. 4965, PG. 3675
SIGNALIZED INTERSECTION
145' PROP. ROW
95' EXIST. ROW
75' PROP. ROW
PROP. LT ROW
EXIST. LT ROW
EXIST. RT ROW
PROP. RT ROW
65' PROP. ROW
70' PROP. ROW
60' PROP. ROW
80' PROP. ROW
120' PROP. ROW
90' EXIST. ROW
℄ FM 2181 STA 10172+04.00
EXIST. 2-48" RCP
PROP. 1-7'X4' RCBC
℄ FM 2181 STA 10162+46.98
EXIST. 2-36" RCP
PROP. 1-5'X3' RCBC
PROP. CURVE 2181CL-4
PI STA 10174+39.61
D = 4° 00' 00.00"
I = 32° 24' 00.02" (RT)
T = 416.15
R = 1,432.39
L = 810.00
LC = 799.25
E = 59.23
PC STA 10170+23.46
PT STA 10178+33.46
PI STA 10174+40
PC STA 10170+23.46
FOUNTAIN
LAKEWOOD ESTATES CAB. G, PG. 193
MOBILE HOME TO BE RELOCATED
LAKEWOOD
℄ LAKEWOOD STA 10+00= ℄ FM 2181 STA 10175+96.44
LAKEWOOD SQUARE
EXIST. ℄ FM 2181
PROP. ℄ FM 2181
ROBINSON RD.
℄ ROBINSON STA 10+00= ℄ FM 2181 STA 10181+65.01
WHEELER RANCH LTD VOL. 4288, PG. 16
℄ HEIGHTS BLVD STA 10+00= ℄ FM 2181 STA 10159+02.56
℄ HUNTERS CREEK STA 10+00= ℄ FM 2181 STA 10159+01.63
10160+00
10165+00
10170+00
10175+00
10180+00
FM 2181
S=275'
T=100'
T=200'
30'R
FINA GAS STATION
GAS STATION
LAKEWOOD CONVENIENT ADDITION CAB. N, PG. 54
MOBILE HOMES TO BE RELOCATED
PROPOSED 40'x27' DRAINAGE EASEMENT
LAKEWOOD WEST J/V VOL. 2741, PG. 293
SOUTH POND
RYAN RD.
℄ RYAN STA 10+00= ℄ FM 2181 STA 10169+20.56
EXISTING 40'x80' DRAINAGE EASEMENT
PROPOSED 40'x40' DRAINAGE EASEMENT
GOLDEN TRIANGLE J.V. VOL. 2440, PG. 94
℄ WILDWOOD STA 10+00= ℄ FM 2181 STA 10179+87.93
WILDWOOD LN.
HICKORY CREEK HEIGHTS CAB. N, PG. 161
RICHARD O. STEWART OR SUSANNE S. STEWART VOL. 4973, PG. 5465
91°17'27"
TRAFFIC DATA SOURCE:
TEXAS DEPARTMENT OF TRANSPORTATION,
TRANSPORTATION, PLANNING AND
PROGRAMMING DIVISION.
FM 2181
RYAN
3,600
7,000
8,400
23,200
45,000
54,100
5,400
10,500
12,600
TRAVEL DIRECTION
000 2009 ADT
000 2029 ADT
000 2039 ADT
TRAFFIC SIGNAL


ex = 0.36'
K = 79
150.00' V.C.
VPC STA 10161+75.00 EL 624.68
VPT STA 10163+25.00 EL 625.05
VPI STA 10162+50.00 EL 624.15
-0.70%
+1.20%
℄ FM 2181 STA 10162+45.9
EXISTING 2-36" RCP
℄ @ ℄ 617.72
℄ FM 2181 STA 10162+46.98
PROP. 1-5'X3' RCBC
℄ @ ℄ 617.25
EXISTING GROUND LT. PROP. ROW
VPI STA 10167+00.00 EL 629.55
EXISTING GROUND @ ℄ FM 2181
+1.20%
-0.50%
VPC STA 10166+40.00 EL 628.83
VPT STA 10167+60.00 EL 629.25
ex = -0.25'
K = 71
120.00' V.C.
EXISTING GROUND RT. PROP. ROW
℄ RYAN ℄ FM 2181 STA 10169+20.56
PROPOSED GRADE @ LT & RT PGL
ex = 0.22'
K = 80
120.00' V.C.
VPC STA 10170+40.00 EL 627.85
VPT STA 10171+60.00 EL 628.15
VPI STA 10171+00.00 EL 627.55
-0.50%
+1.00%
℄ FM 2181 STA 10172+13.4
EXISTING 2-48" RCP
℄ @ ℄ 621.6
℄ FM 2181 STA 10172+04.0
PROP. 1-7'X4' RCBC
℄ @ ℄ 620.75
℄ LAKEWOOD ℄ FM 2181 STA 10175+96.44
VPI STA 10176+50.00 EL 633.05
+1.00%
-3.40%
VPC STA 10175+50.00 EL 632.05
VPT STA 10177+50.00 EL 629.65
ex = -1.10'
K = 45
200.00' V.C.
ex = 0.27'
K = 67
120.00' V.C.
VPC STA 10177+90.00 EL 628.29
VPT STA 10179+10.00 EL 625.29
VPI STA 10178+50.00 EL 626.25
-3.40%
-1.60%
℄ WILDWOOD ℄ FM 2181 STA 10179+87.93
℄ ROBINSON ℄ FM 2181 STA 10181+65.14
VPI STA 10181+50.00 EL 621.45
VPC STA 10180+90.00 EL 622.41
VPT STA 10182+10.00 EL 620.10
ex = -0.10'
K = 185
120.00' V.C.
-1.60%
-2.25%
EXISTING GROUND RT. PROP. ROW
ex = 0.19'
K = 96
120.00' V.C.
VPC STA 10182+90.00 EL 618.30
VPT STA 10184+10.00 EL 616.35
VPI STA 10183+50.00 EL 616.95
-2.25%
-1.00%
PROPOSED GRADE @ LT & RT PGL
626.25 627.41 625.90 627.13 625.55 627.03 625.20 627.06 624.85 627.13 624.54 627.29 624.51 627.60 624.79 627.89 625.35 628.41 625.95 629.10 626.55 629.57 627.15 630.13 627.75 630.51 628.35 630.58 628.94 630.59 629.29 630.43 629.29 630.18 629.05 629.90 628.80 629.61 628.55 629.37 628.30 629.15 628.05 628.99 627.81 628.59 627.78 628.40 628.06 628.43 628.55 628.66 629.05 629.12 629.55 629.62 630.05 629.81 630.55 629.96 631.05 630.11 631.55 630.20 632.05 630.17 632.27 630.24 631.95 629.78 631.07 629.27 629.65 628.59 627.96 627.99 626.52 626.85 625.46 625.71 624.65 625.08 623.85 624.23 623.05 623.32 622.25 622.53 621.35 621.76 620.32 620.61 619.20 620.52 618.08 619.96 617.14 619.59 616.46 619.22 615.95 618.54
10160+00
10161+00
10162+00
10163+00
10164+00
10165+00
10166+00
10167+00
10168+00
10169+00
10170+00
10171+00
10172+00
10173+00
10174+00
10175+00
10176+00
10177+00
10178+00
10179+00
10180+00
10181+00
10182+00
10183+00
10184+00


TRAFFIC DATA SOURCE:
TEXAS DEPARTMENT OF TRANSPORTATION,
TRANSPORTATION, PLANNING AND
PROGRAMMING DIVISION.
ROBINSON
FM 2181
6,400
12,400
14,800
2,800
5,500
6,600
22,200
43,100
51,900
TRAVEL DIRECTION
000 2009 ADT
000 2029 ADT
000 2039 ADT
630
625
620
615
WHEELER RANCH LTD.
VOL. 4288, PG. 1637
PROP. LT ROW
EXIST. LT ROW
EXIST. RT ROW
PROP. RT ROW
105' EXIST. ROW
LOST PONY
MATCH LINE STA 10190+00 CSJ: 2054-02-015,016


N
E
W
S
FEET
0
50
100
200



LEGEND

CENTERLINE - ℄
EXIST. GROUND @ ℄
EXIST. ROW
EXIST. DRNG. ESMT.
PROPOSED ROW
PROPOSED DRNG. ESMT.
PROPOSED CONST. ESMT
▨ IMPACTED BUILDING
HANDICAP RAMP
60' PROP. ROW
ROW DIMENSIONING FROM PROP. ℄ TO PROP. ROW

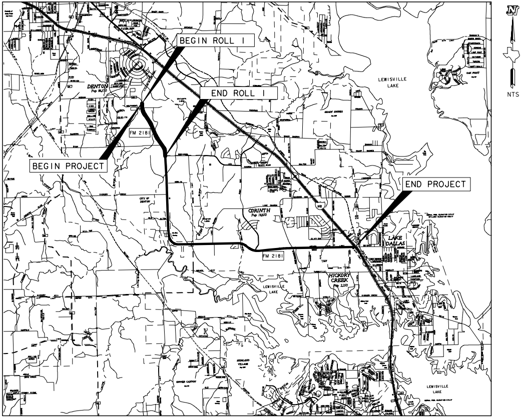
NOTES:

1. ADA RAMPS SHALL BE PLACED AT ALL INTERSECTIONS. MAXIMUM CROSS SLOPE FOR SIDEWALKS WILL BE 1.5%. PROPOSED SIDEWALKS TO BE INSTALLED ONLY WHERE THERE ARE EXISTING SIDWALKS.

2. EXISTING CONTOURS PROVIDED FOR PRELIMINARY REVIEW PURPOSES ONLY.

3. MEDIAN OPENINGS ARE APPROXIMATE AND SUBJECT TO CHANGES DURING COORDINATION WITH THE CITIES OF DENTON, CORINTH AND HICKORY CREEK.

4. TSS IMPACT TO JURISDICTIONAL WATERS TO BE ADDRESSED IN THE EROSION CONTROL PLANS AND SWPPP DURING CONSTRUCTION.


BEGIN ROLL 1
END ROLL 1
BEGIN PROJECT
END PROJECT
FM 2181
FM 2181
DENTON
CITY OF DENTON
CORINTH
LAKE DALLAS
HICKORY CREEK
LEWISVILLE LAKE
LEWISVILLE LAKE
LEWISVILLE LAKE
N
NTS

KEY MAP
NTS

Texas Department of Transportation

DALLAS DISTRICT
WILLIAM L. HALE, P.E., DISTRICT ENGINEER

DENTON COUNTY

DESIGN SCHEMATIC

FM 2181
FROM LILLIAN MILLER PARKWAY TO IH 35E

CSJ: 2054-02-015,016

DESIGN SPEED = 40 MPH
FUNCTIONAL CLASS: MINOR ARTERIAL
PROJECT LENGTH = 36,093.5 FT; 6.84 MILES
ROLL 1 OF 4
STA. 10112+71.33 TO STA. 10190+00

SCALE 1"=100'H, 1"=10'V

JULY 2006

THE SEAL APPEARING ON THIS
DOCUMENT WAS AUTHORIZED BY
KENNETH A ROBERTS, P.E. 55446
ON JULY 7, 2006

KENNETH A ROBERTS
55446

HUITT-ZOLLARS
Huitt-Zollars, Inc.
3131 McKinney Avenue, Suite 600
Dallas, Texas 75204-2489

© 2006 BY TEXAS DEPARTMENT OF TRANSPORTATION
ALL RIGHTS RESERVED