

205 BYPASS

Beginning chain 205\_PH4A description

Point PHFOUR01 N 7,034,483.95 E 2,600,035.36 Sta 120+00.00  
 Course from PHFOUR01 to PHFOUR02 N 0° 50' 57.99" W Dist 271.92  
 Point PHFOUR02 N 7,034,755.84 E 2,600,031.33 Sta 122+71.92  
 Course from PHFOUR02 to PC PHFOUR-1 N 1° 08' 56.79" W Dist 415.80

Curve Data

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205BP-1 Curve PHFOUR-1  
 P. I. Station 128+24.67 N 7,035,308.48 E 2,600,020.25  
 Delta = 8° 58' 01.21" (LT)  
 Degree = 3° 16' 50.18"  
 Tangent = 136.95  
 Length = 273.33  
 Radius = 1,746.50  
 External = 5.36  
 Long Chord = 273.05  
 Mid. Ord. = 5.34  
 P. C. Station 126+87.72 N 7,035,171.56 E 2,600,022.99  
 P. T. Station 129+61.06 N 7,035,443.29 E 2,599,996.19  
 C. C. N 7,035,136.53 E 2,598,276.84  
 Back = N 1° 08' 56.79" W  
 Ahead = N 10° 06' 58.00" W  
 Chord Bear = N 5° 37' 57.39" W

Curve Data

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205BP-2 Curve PHFOUR-2  
 P. I. Station 131+25.90 N 7,035,605.58 E 2,599,967.24  
 Delta = 17° 02' 45.09" (LT)  
 Degree = 5° 12' 31.35"  
 Tangent = 164.85  
 Length = 327.26  
 Radius = 1,100.00  
 External = 12.28  
 Long Chord = 326.05  
 Mid. Ord. = 12.15  
 P. C. Station 129+61.06 N 7,035,443.29 E 2,599,996.19  
 P. T. Station 132+88.31 N 7,035,752.24 E 2,599,891.98  
 C. C. N 7,035,250.08 E 2,598,913.29  
 Back = N 10° 06' 58.00" W  
 Ahead = N 27° 09' 43.08" W  
 Chord Bear = N 18° 38' 20.54" W

Curve Data

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205BP-3 Curve PHFOUR-3  
 P. I. Station 136+41.05 N 7,036,066.08 E 2,599,730.96  
 Delta = 25° 14' 50.15" (RT)  
 Degree = 3° 38' 16.18"  
 Tangent = 352.74  
 Length = 694.02  
 Radius = 1,575.00  
 External = 39.02  
 Long Chord = 688.42  
 Mid. Ord. = 38.07  
 P. C. Station 132+88.31 N 7,035,752.24 E 2,599,891.98  
 P. T. Station 139+82.33 N 7,036,418.62 E 2,599,719.17  
 C. C. N 7,036,471.24 E 2,601,293.29  
 Back = N 27° 09' 43.08" W  
 Ahead = N 1° 54' 52.93" W  
 Chord Bear = N 14° 32' 18.01" W

Course from PT PHFOUR-3 to PHFOUR03 N 1° 54' 52.93" W Dist 117.67  
 Point PHFOUR03 N 7,036,536.22 E 2,599,715.24 Sta 141+00.00

Ending chain 205\_PH4A description

QUAIL RUN ( WEST)

Beginning chain QRUNW description

Point QRUNW01 N 7,036,151.09 E 2,599,346.89 Sta 1+00.00  
 Course from QRUNW01 to PC QRUNW-1 N 89° 16' 08.06" E Dist 152.47

Curve Data

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QRUNW-1 Curve QRUNW-1  
 P. I. Station 3+17.61 N 7,036,153.87 E 2,599,564.49  
 Delta = 9° 40' 17.29" (LT)  
 Degree = 7° 26' 27.64"  
 Tangent = 65.14  
 Length = 129.98  
 Radius = 770.00  
 External = 2.75  
 Long Chord = 129.82  
 Mid. Ord. = 2.74  
 P. C. Station 2+52.47 N 7,036,153.04 E 2,599,499.35  
 P. T. Station 3+82.45 N 7,036,165.63 E 2,599,628.56  
 C. C. N 7,036,922.97 E 2,599,489.53  
 Back = N 89° 16' 08.06" E  
 Ahead = N 79° 35' 50.76" E  
 Chord Bear = N 84° 25' 59.41" E

Course from PT QRUNW-1 to QRUNW02 N 79° 35' 50.76" E Dist 117.55

Point QRUNW02 N 7,036,186.86 E 2,599,744.18 Sta 5+00.00

Ending chain QRUNW description

QUAIL RUN REALIGNMENT

Beginning chain DRVPRO description

Feature: DEFAULT

Point DRV01 N 7,036,304.56 E 2,599,821.69 Sta 0+00.00

Course from DRV01 to PC DRV-1 S 4° 14' 55.42" W Dist 74.96

Curve Data

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QRRR-1 Curve DRV-1  
 P. I. Station 0+96.76 N 7,036,208.06 E 2,599,814.52  
 Delta = 16° 32' 27.73" (LT)  
 Degree = 38° 11' 49.87"  
 Tangent = 21.80  
 Length = 43.30  
 Radius = 150.00  
 External = 1.58  
 Long Chord = 43.15  
 Mid. Ord. = 1.56  
 P. C. Station 0+74.96 N 7,036,229.81 E 2,599,816.14  
 P. T. Station 1+18.26 N 7,036,186.76 E 2,599,819.17  
 C. C. N 7,036,218.69 E 2,599,965.73  
 Back = S 4° 14' 55.42" W  
 Ahead = S 12° 17' 32.31" E  
 Chord Bear = S 4° 01' 18.45" E

Course from PT DRV-1 to PC DRV-2 S 12° 17' 32.31" E Dist 94.18

Curve Data

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QRRR-2 Curve DRV-2  
 P. I. Station 2+25.89 N 7,036,081.60 E 2,599,842.08  
 Delta = 23° 22' 42.88" (LT)  
 Degree = 88° 08' 50.47"  
 Tangent = 13.45  
 Length = 26.52  
 Radius = 65.00  
 External = 1.38  
 Long Chord = 26.34  
 Mid. Ord. = 1.35  
 P. C. Station 2+12.44 N 7,036,094.74 E 2,599,839.22  
 P. T. Station 2+38.96 N 7,036,070.67 E 2,599,849.92  
 C. C. N 7,036,108.57 E 2,599,902.73  
 Back = S 12° 17' 32.31" E  
 Ahead = S 35° 40' 15.19" E  
 Chord Bear = S 23° 58' 53.75" E

Course from PT DRV-2 to DRV08 S 35° 40' 15.19" E Dist 8.83

Point DRV08 N 7,036,063.50 E 2,599,855.07 Sta 2+47.79

Ending chain DRVPRO description

RECORD DRAWING

This drawing is a compilation of the original sealed engineering drawing and modifications by addenda, change orders and information furnished by the contractor. Information shown that was provided by the contractor and others not associated with the design engineer cannot be verified for accuracy or completeness. Original sealed drawing is on file at the office of AECOM USA Group, Inc., TBPE REG. NO. F-3082

ORIGINAL DRAWING SEALED & SIGNED BY

T.H. Gaertner, P.E.  
 TX NO. 37124

NO.	REVISION	BY	DATE



City of Rockwall, Texas

205 BYPASS  
 PHASE 4

HORIZONTAL CONTROL DATA

1 OF 1

TCB AECOM

TCB INC.  
 WWW.TCB.AECOM.COM  
 17300 DALLAS PARKWAY, SUITE 1010  
 DALLAS, TEXAS 75248

Unit	PW-DAL-FW	Scale	Horz: AS SHOWN Vert: AS SHOWN	Date	11/11/2009
Designed	THG	Checked	TCB	Project No.	60004153
Drawn	FG	Approved	TCB	Sheet	10 of 146