



3801 E. Florida Avenue
Suite 425
Denver, CO 80210
303-572-7997

Hillside at Castle Rock – Phase 3-4 Final Plat Map Closure Report

Mapcheck 2: PH 3-4 OA Boundary

Closure Summary

Precision, 1 part in: 230,941.62'
Error distance: 0.03'
Error direction: N28°52'11.58"W
Area: 90,273.88 Sq. Ft. - 21.356 Ac

Square area: 915,490.88
Perimeter: 5,962.00'

Point of Beginning

Easting: 76328.7417'
Northing: 64024.9470'

Side 1: Line

Direction: N89° 33' 04.00"E
Angle: [-90.4489 (d)]
Deflection angle: [89.5511 (d)]
Distance: 257.97'
Easting: 76586.7037'
Northing: 64026.9680'

Side 2: Line

Direction: S0° 09' 26.00"W
Angle: [-89.3939 (d)]
Deflection angle: [90.6061 (d)]
Distance: 13.38'
Easting: 76586.6670'
Northing: 64013.5881'

Side 3: Line

Direction: S89° 31' 34.00"E
Angle: [90.3167 (d)]
Deflection angle: [-89.6833 (d)]
Distance: 168.67'
Easting: 76755.3313'
Northing: 64012.1930'

Side 4: Line

Direction: S89° 48' 17.00"E
Angle: [179.7214 (d)]
Deflection angle: [-0.2786 (d)]
Distance: 42.26'
Easting: 76797.5910'
Northing: 64012.0490'

Side 5: Line

Direction: S40° 20' 15.00"E
Angle: [-130.5328 (d)]
Deflection angle: [49.4672 (d)]
Distance: 19.33'
Easting: 76810.1031'
Northing: 63997.3148'

Side 6: Line

Direction: N89° 03' 34.00"E
Angle: [129.3969 (d)]

Deflection angle: [-50.6031 (d)]

Distance: 130.53'

Easting: 76940.6155'

Northing: 63999.4575'

Side 7: Line

Direction: N89° 05' 46.00"E

Angle: [-179.9633 (d)]

Deflection angle: [0.0367 (d)]

Distance: 209.06'

Easting: 77149.6495'

Northing: 64002.7554'

Side 8: Line

Direction: N87° 46' 26.00"E

Angle: [178.6778 (d)]

Deflection angle: [-1.3222 (d)]

Distance: 134.06'

Easting: 77283.6083'

Northing: 64007.9627'

Side 9: Line

Direction: S44° 24' 02.00"W

Angle: [-43.3733 (d)]

Deflection angle: [136.6267 (d)]

Distance: 126.36'

Easting: 77195.1980'

Northing: 63917.6828'

Side 10: Curve

Curve direction: Counter-clockwise

Radius: [1060.01']

Arc length: 125.76'

Delta angle: 6.7978 (d)

Tangent: [62.96']

Chord direction: S53° 26' 58.00"W

Chord angle: [-170.9511 (d)]

Deflection angle: [9.0489 (d)]

Chord distance: 125.69'

Easting: 77094.2272'

Northing: 63842.8304'

Side 11: Line

Direction: S50° 03' 02.00"W

Angle: [-180.0000 (d)]

Deflection angle: [0.0000 (d)]

Distance: 405.64'

Easting: 76783.2590'

Northing: 63582.3644'

Side 12: Line

Direction: N89° 33' 04.00"E

Angle: [39.5006 (d)]

Deflection angle: [-140.4994 (d)]

Distance: 3.72'

Easting: 76786.9789'



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Northing:	63582.3935'	Distance:	53.96'
Side 13: Line		Easting:	76206.0508'
Direction:	S51° 32' 57.00"W	North:	63300.6452'
Angle:	[-38.0019 (d)]	Side 19: Curve	
Deflection angle:	[141.9981 (d)]	Curve direction:	Counter-clockwise
Distance:	578.20'	Radius:	[231.01']
Easting:	76334.1662'	Arc length:	82.31'
North:	63222.8440'	Delta angle:	20.4164 (d)
Side 14: Line		Tangent:	[41.60']
Direction:	N83° 38' 54.00"W	Chord direction:	N81° 58' 35.00"W
Angle:	[-135.1975 (d)]	Chord angle:	[169.7919 (d)]
Deflection angle:	[44.8025 (d)]	Deflection angle:	[-10.2081 (d)]
Distance:	7.77'	Chord distance:	81.88'
Easting:	76326.4439'	Easting:	76124.9723'
North:	63223.7036'	North:	63312.0741'
Side 15: Line		Side 20: Line	
Direction:	N38° 18' 24.00"W	Direction:	S58° 29' 18.00"W
Angle:	[-134.6583 (d)]	Angle:	[150.6729 (d)]
Deflection angle:	[45.3417 (d)]	Deflection angle:	[-29.3271 (d)]
Distance:	9.88'	Distance:	11.67'
Easting:	76320.3195'	Easting:	76115.0232'
North:	63231.4564'	North:	63305.9745'
Side 16: Curve		Side 21: Line	
Curve direction:	Counter-clockwise	Direction:	N20° 26' 06.00"W
Radius:	[239.50']	Angle:	[-78.9233 (d)]
Arc length:	62.78'	Deflection angle:	[101.0767 (d)]
Delta angle:	15.0189 (d)	Distance:	93.36'
Tangent:	[31.57']	Easting:	76082.4271'
Chord direction:	N46° 21' 14.00"W	North:	63393.4592'
Chord angle:	[171.9528 (d)]	Side 22: Line	
Deflection angle:	[-8.0472 (d)]	Direction:	S69° 33' 54.00"W
Chord distance:	62.60'	Angle:	[90.0000 (d)]
Easting:	76275.0211'	Deflection angle:	[-90.0000 (d)]
North:	63274.6631'	Distance:	35.00'
Side 17: Curve		Easting:	76049.6297'
Curve direction:	Counter-clockwise	North:	63381.2392'
Radius:	64.00'	Side 23: Line	
Arc length:	20.00'	Direction:	S72° 24' 27.00"W
Delta angle:	17.9056 (d)	Angle:	[-177.1575 (d)]
Tangent:	[10.08']	Deflection angle:	[2.8425 (d)]
Chord direction:	[N62° 48' 58.00"W]	Distance:	57.40'
Chord angle:	[171.0472 (d)]	Easting:	75994.9143'
Deflection angle:	[-8.9528 (d)]	North:	63363.8903'
Chord distance:	[19.92']	Side 24: Line	
Easting:	76257.3019'	Direction:	S54° 13' 31.00"W
North:	63283.7632'	Angle:	[161.8178 (d)]
Side 18: Line		Deflection angle:	[-18.1822 (d)]
Direction:	N71° 46' 06.00"W	Distance:	169.51'
Angle:	[-179.9994 (d)]	Easting:	75857.3871'
Deflection angle:	[0.0006 (d)]	North:	63264.7948'



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Side 25: Line

Direction: S58° 41' 25.00"W
Angle: [-175.5350 (d)]
Deflection angle: [4.4650 (d)]
Distance: 62.79'
Easting: 75803.7412'
Northing: 63232.1651'

Side 26: Line

Direction: S60° 21' 10.00"W
Angle: [-178.3375 (d)]
Deflection angle: [1.6625 (d)]
Distance: 168.89'
Easting: 75656.9610'
Northing: 63148.6222'

Side 27: Line

Direction: S72° 00' 06.00"W
Angle: [-168.3511 (d)]
Deflection angle: [11.6489 (d)]
Distance: 58.83'
Easting: 75601.0098'
Northing: 63130.4444'

Side 28: Line

Direction: N69° 25' 31.00"W
Angle: [-141.4269 (d)]
Deflection angle: [38.5731 (d)]
Distance: 77.81'
Easting: 75528.1629'
Northing: 63157.7891'

Side 29: Line

Direction: N67° 09' 12.00"W
Angle: [-177.7281 (d)]
Deflection angle: [2.2719 (d)]
Distance: 239.71'
Easting: 75307.2589'
Northing: 63250.8604'

Side 30: Line

Direction: N22° 50' 48.00"E
Angle: [-90.0000 (d)]
Deflection angle: [90.0000 (d)]
Distance: 3.48'
Easting: 75308.6100'
Northing: 63254.0674'

Side 31: Line

Direction: N67° 09' 12.00"W
Angle: [90.0000 (d)]
Deflection angle: [-90.0000 (d)]
Distance: 75.00'
Easting: 75239.4940'
Northing: 63283.1873'

Side 32: Line

Direction: S22° 50' 48.00"W
Angle: [90.0000 (d)]
Deflection angle: [-90.0000 (d)]
Distance: 82.01'
Easting: 75207.6523'
Northing: 63207.6112'

Side 33: Line

Direction: S1° 39' 10.00"E
Angle: [155.5006 (d)]
Deflection angle: [-24.4994 (d)]
Distance: 8.01'
Easting: 75207.8833'
Northing: 63199.6046'

Side 34: Curve

Curve direction: Clockwise
Radius: 40.50'
Arc length: [50.29']
Delta angle: [71.1444 (d)]
Tangent: [28.97']
Chord direction: N12° 43' 19.00"W
Chord angle: [-11.0692 (d)]
Deflection angle: [168.9308 (d)]
Chord distance: 47.12'
Easting: 75197.5065'
Northing: 63245.5678'

Side 35: Line

Direction: N22° 50' 48.00"E
Angle: [179.9964 (d)]
Deflection angle: [-0.0036 (d)]
Distance: 16.35'
Easting: 75203.8547'
Northing: 63260.6351'

Side 36: Curve

Curve direction: Clockwise
Radius: [177.50']
Arc length: 100.47'
Delta angle: 32.4306 (d)
Tangent: [51.62']
Chord direction: N39° 03' 43.00"E
Chord angle: [-163.7847 (d)]
Deflection angle: [16.2153 (d)]
Chord distance: 99.13'
Easting: 75266.3225'
Northing: 63337.6061'

Side 37: Line

Direction: N34° 43' 22.00"W
Angle: [90.0000 (d)]
Deflection angle: [-90.0000 (d)]
Distance: 45.00'
Easting: 75240.6902'



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Northing: 63374.5924'
Side 38: Curve
Curve direction: Counter-clockwise
Radius: [222.53']
Arc length: 15.98'
Delta angle: 4.1153 (d)
Tangent: [8.00']
Chord direction: S53° 13' 10.00"W
Chord angle: [87.9422 (d)]
Deflection angle: [-92.0578 (d)]
Chord distance: 15.98'
Easting: 75227.8913'
Northing: 63365.0243'

Side 39: Line
Direction: N38° 50' 17.00"W
Angle: [-89.9999 (d)]
Deflection angle: [90.0001 (d)]
Distance: 89.54'
Easting: 75171.7388'
Northing: 63434.7690'

Side 40: Line
Direction: S51° 11' 12.00"W
Angle: [90.0247 (d)]
Deflection angle: [-89.9753 (d)]
Distance: 16.31'
Easting: 75159.0302'
Northing: 63424.5461'

Side 41: Line
Direction: S41° 43' 56.00"W
Angle: [170.5456 (d)]
Deflection angle: [-9.4544 (d)]
Distance: 70.00'
Easting: 75112.4347'
Northing: 63372.3076'

Side 42: Line
Direction: S32° 20' 38.00"W
Angle: [170.6117 (d)]
Deflection angle: [-9.3883 (d)]
Distance: 32.71'
Easting: 75094.9348'
Northing: 63344.6725'

Side 43: Line
Direction: S22° 50' 48.00"W
Angle: [170.5028 (d)]
Deflection angle: [-9.4972 (d)]
Distance: 70.00'
Easting: 75067.7562'
Northing: 63280.1642'

Side 44: Line
Direction: S67° 09' 12.00"E

Angle: [90.0000 (d)]
Deflection angle: [-90.0000 (d)]
Distance: 88.00'
Easting: 75148.8524'
Northing: 63245.9968'

Side 45: Line
Direction: S22° 50' 48.00"W
Angle: [-90.0000 (d)]
Deflection angle: [90.0000 (d)]
Distance: 17.50'
Easting: 75142.0577'
Northing: 63229.8697'

Side 46: Curve
Curve direction: Counter-clockwise
Radius: [49.45']
Arc length: 4.51'
Delta angle: 5.2158 (d)
Tangent: [2.25']
Chord direction: S20° 14' 19.00"W
Chord angle: [177.3919 (d)]
Deflection angle: [-2.6081 (d)]
Chord distance: 4.50'
Easting: 75140.5010'
Northing: 63225.6475'

Side 47: Line
Direction: N67° 09' 12.00"W
Angle: [-84.7840 (d)]
Deflection angle: [95.2160 (d)]
Distance: 140.20'
Easting: 75011.3001'
Northing: 63280.0824'

Side 48: Line
Direction: N22° 50' 48.00"E
Angle: [-90.0000 (d)]
Deflection angle: [90.0000 (d)]
Distance: 92.77'
Easting: 75047.3196'
Northing: 63365.5744'

Side 49: Line
Direction: N51° 11' 12.00"E
Angle: [-151.6600 (d)]
Deflection angle: [28.3400 (d)]
Distance: 259.40'
Easting: 75249.4420'
Northing: 63528.1625'

Side 50: Line
Direction: N87° 55' 17.00"E
Angle: [-143.2653 (d)]
Deflection angle: [36.7347 (d)]
Distance: 179.49'



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Easting:	75428.8139'	Easting:	76328.7292'
Northing:	63534.6727'	Northing:	64024.9696'
Side 51: Line			
Direction:	N54° 23' 39.00"E		
Angle:	[146.4728 (d)]		
Deflection angle:	[-33.5272 (d)]		
Distance:	121.52'		
Easting:	75527.6147'		
Northing:	63605.4223'		
Side 52: Line			
Direction:	N89° 00' 20.00"E		
Angle:	[-145.3886 (d)]		
Deflection angle:	[34.6114 (d)]		
Distance:	122.12'		
Easting:	75649.7163'		
Northing:	63607.5418'		
Side 53: Line			
Direction:	N56° 58' 36.00"E		
Angle:	[147.9711 (d)]		
Deflection angle:	[-32.0289 (d)]		
Distance:	352.37'		
Easting:	75945.1605'		
Northing:	63799.5766'		
Side 54: Line			
Direction:	N76° 42' 44.00"E		
Angle:	[-160.2644 (d)]		
Deflection angle:	[19.7356 (d)]		
Distance:	88.13'		
Easting:	76030.9310'		
Northing:	63819.8325'		
Side 55: Line			
Direction:	N51° 41' 10.00"E		
Angle:	[154.9739 (d)]		
Deflection angle:	[-25.0261 (d)]		
Distance:	168.56'		
Easting:	76163.1876'		
Northing:	63924.3346'		
Side 56: Line			
Direction:	N74° 11' 12.00"E		
Angle:	[-157.4994 (d)]		
Deflection angle:	[22.5006 (d)]		
Distance:	171.87'		
Easting:	76328.5531'		
Northing:	63971.1698'		
Side 57: Line			
Direction:	N0° 11' 15.00"E		
Angle:	[106.0008 (d)]		
Deflection angle:	[-73.9992 (d)]		
Distance:	53.80'		