

Parcel Map Check Report

Client:

Casey's Marketing Company
One SE Convenience Boulevard
Date: 9/15/2023 12:33:08 PM

Prepared by:

Joseph Mauk
SBB Engineering, LLC
101 S Kansas Avenue

Parcel Name: Total Boundary - Block 'A'

Description:

Process segment order counterclockwise: False

Enable mapcheck across chord: False

North: 978,436.7788'

East: 2,813,939.5996'

Segment# 1: Line

Course: N2°06'27"E

Length: 448.15'

North: 978,884.6256'

East: 2,813,956.0801'

Segment# 2: Line

Course: S87°53'33"E

Length: 235.72'

North: 978,875.9571'

East: 2,814,191.6407'

Segment# 3: Curve

Length: 62.39'

Radius: 280.00'

Delta: 12°46'01"

Tangent: 31.33'

Chord: 62.26'

Course: N85°43'26"E

Course In: N2°06'27"E

Course Out: S10°39'34"E

RP North: 979,155.7677'

East: 2,814,201.9376'

End North: 978,880.5994'

East: 2,814,253.7295'

Segment# 4: Curve

Length: 18.91'

Radius: 325.00'

Delta: 3°20'01"

Tangent: 9.46'

Chord: 18.91'

Course: S22°48'27"E

Course In: N68°51'34"E

Course Out: S65°31'33"W

RP North: 978,997.8130'

East: 2,814,556.8565'

End North: 978,863.1710'

East: 2,814,261.0583'

Segment# 5: Line

Course: S24°24'57"E
North: 978,725.9482'

Length: 150.70'
East: 2,814,323.3511'

Segment# 6: Curve

Length: 25.85'
Delta: 14°48'36"
Chord: 25.78'
Course In: S65°34'39"W
RP North: 978,684.6020'
End North: 978,701.3004'

Radius: 100.00'
Tangent: 13.00'
Course: S17°01'03"E
Course Out: N80°23'15"E
East: 2,814,232.2989'
East: 2,814,330.8949'

Segment# 7: Line

Course: S9°36'45"E
North: 978,614.9205'

Length: 87.61'
East: 2,814,345.5244'

Segment# 8: Curve

Length: 12.64'
Delta: 7°14'29"
Chord: 12.63'
Course In: N80°23'15"E
RP North: 978,631.6189'
End North: 978,602.6256'

Radius: 100.00'
Tangent: 6.33'
Course: S13°13'59"E
Course Out: S73°08'46"W
East: 2,814,444.1203'
East: 2,814,348.4156'

Segment# 9: Curve

Length: 82.39'
Delta: 18°57'27"
Chord: 82.01'
Course In: S73°08'46"W
RP North: 978,530.4326'
End North: 978,521.2926'

Radius: 249.00'
Tangent: 41.57'
Course: S7°22'30"E
Course Out: S87°53'47"E
East: 2,814,110.1108'
East: 2,814,358.9430'

Segment# 10: Line

Course: S2°06'27"W
North: 978,477.5822'

Length: 43.74'
East: 2,814,357.3345'

Segment# 11: Curve

Length: 70.10'
Delta: 66°56'34"

Radius: 60.00'
Tangent: 39.67'

Chord: 66.18'
Course In: N87°53'33"W
RP North: 978,479.7887'
End North: 978,423.7550'

Course: S35°34'44"W
Course Out: S20°56'59"E
East: 2,814,297.3751'
East: 2,814,318.8280'

Segment# 12: Line
Course: N88°01'54"W
North: 978,425.3260'

Length: 45.74'
East: 2,814,273.1150'

Segment# 13: Line
Course: S1°58'28"W
North: 978,415.3320'

Length: 10.00'
East: 2,814,272.7705'

Segment# 14: Line
Course: N88°01'59"W
North: 978,418.1420'

Length: 81.87'
East: 2,814,190.9487'

Segment# 15: Line
Course: N85°45'27"W
North: 978,436.7874'

Length: 252.04'
East: 2,813,939.5993'

Perimeter: 1,627.86'
Error Closure: 0.0086
Error North : 0.00862

Area: 3.96Acre
Course: N2°06'08"W
East: -0.00032

Precision 1: 189,284.88