

CONTOUR ENGINEERING, LLC
 4706 97th St NW SUITE 100- PO BOX 949
 GIG HARBOR, WA. 98335
 253-857-5454
 Tuesday, January 23, 2024 10:39:54 AM

PROJECT: PROJECT FILES\20-195 47th Ave NE Marysville Survey\20-195B\20-195b.pro

CLOSURE REPORT

Coordinate values shown are computed based on the rounded bearing and distance, or chord bearing and chord lengths as indicated herein.

Boundary Name: OVERALL

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1025		0+00.00	419106.91213	1314774.63453	
	N87°16'19"W 1263.08 '				
1026		12+63.08	419167.02913	1313512.98599	
	S01°41'03"W 1338.17 '				
1095		26+01.25	417829.43719	1313473.65715	
	S03°28'01"W 799.22 '				
1013		34+00.47	417031.67988	1313425.32617	
	S87°11'40"E 931.39 '				
1012	DEED	43+31.86	416986.09149	1314355.59980	
	N02°42'26"E 800.00 '				
1011	DEED	51+31.86	417785.19864	1314393.38569	
	S87°14'47"E 338.43 '				
1006		54+70.29	417768.94009	1314731.42493	
	N01°51'00"E 1338.66 '				
1025		68+08.95	419106.90234	1314774.64086	

Closing latitude = -0.00978
 Closing departure = 0.00634
 Closing bearing = N32°56'07"W
 Closing distance = 0.01166
 Total traverse length = 6808.95 (6808.95)
 Total error of closure = 1/584099
 Error of closure in latitude = 1/695947
 Error of closure in departure = 1/1074324

 Area = 2428180.97 SQ FT
 Area = 55.743 ACRES

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CLOSURE REPORT

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Boundary Name: ORIGINAL PARCEL A

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1025		0+00.00	419106.91213	1314774.63453	
	N87°16'19"W	1263.08			
1026		12+63.08	419167.02913	1313512.98599	
	S01°41'03"W	1338.17			
1095		26+01.25	417829.43719	1313473.65715	
	S87°14'47"E	1259.22			
1006		38+60.47	417768.94290	1314731.42320	
	N01°51'00"E	1338.66			
1025		51+99.14	419106.90515	1314774.63914	

Closing latitude = -0.00698
 Closing departure = 0.00461
 Closing bearing = N33°27'10"W
 Closing distance = 0.00836
 Total traverse length = 5199.13 (5199.14)
 Total error of closure = 1/621862
 Error of closure in latitude = 1/745334
 Error of closure in departure = 1/1128094

Area = 1687700.88 SQ FT
 Area = 38.744 ACRES

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Boundary Name: ORIGINAL PARCEL B

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1011	DEED	0+00.00	417785.20597	1314393.37609	
	N87°14'47"W	920.79 '			
1095		9+20.79	417829.44172	1313473.64927	
	S03°28'01"W	799.22 '			
1013		17+20.01	417031.68441	1313425.31829	
	S87°11'40"E	931.39 '			
1012	DEED	26+51.39	416986.09602	1314355.59193	
	N02°42'26"E	800.00 '			
1011	DEED	34+51.39	417785.20317	1314393.37781	

Closing latitude = -0.00281
 Closing departure = 0.00173
 Closing bearing = N31°37'22"W
 Closing distance = 0.00330
 Total traverse length = 3451.40 (3451.39)
 Total error of closure = 1/1046573
 Error of closure in latitude = 1/1229065
 Error of closure in departure = 1/1996049

Area = 740480.09 SQ FT
 Area = 16.999 ACRES

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Boundary Name: LOT 1

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1105		0+00.00	419112.87267	1313725.13252	0.000
	S02°43'41"W	611.00 '			
1102		6+11.00	418502.56513	1313696.05163	0.000
	S87°16'19"E	496.00 '			
1113		11+07.00	418478.95773	1314191.48951	
	N02°43'41"E	611.00 '			
1098		17+18.00	419089.26527	1314220.57040	0.000
	N87°16'19"W	496.00 '			
1105		22+14.00	419112.87267	1313725.13252	0.000

Closing latitude = 0.00000
 Closing departure = 0.00000
 Closing bearing = N90°00'00"W
 Closing distance = 0.00000
 Total traverse length = 2214.00 (2214.00)
 Total error of closure = 1/999999
 Error of closure in latitude = 1/999999
 Error of closure in departure = 1/999999

Area = 303056.03 SQ FT
 Area = 6.957 ACRES

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Boundary Name: LOT 2

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1098		0+00.00	419089.26426	1314220.57035	0.000
	N87°16'19"W 567.44 '				
1077		5+67.44	419116.27188	1313653.77343	0.000
	S86°44'23"E 1076.90 '				
1078		16+44.34	419055.02656	1314728.93045	0.000
	S01°51'00"W 601.07 '				
1101		22+45.41	418454.26985	1314709.52612	0.000
	N87°16'19"W 518.63 '				
1113		27+64.04	418478.95434	1314191.48389	
	N02°43'41"E 611.00 '				
1098		33+75.04	419089.26189	1314220.56478	0.000

Closing latitude = -0.00237
 Closing departure = -0.00557
 Closing bearing = N66°56'14"E
 Closing distance = 0.00605
 Total traverse length = 3375.04 (3375.04)
 Total error of closure = 1/557896
 Error of closure in latitude = 1/1424148
 Error of closure in departure = 1/606358

Area = 308639.67 SQ FT
 Area = 7.085 ACRES

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CLOSURE REPORT

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Boundary Name: LOT 3

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1102		0+00.00	418502.56516	1313696.05030	0.000
	S87°16'19"E 496.00 '				
1113		4+96.00	418478.95776	1314191.48817	
	S02°43'41"W 632.74 '				
1099		11+28.74	417846.93486	1314161.37256	0.000
	S33°54'23"W 65.79 '				
1100		11+94.53	417792.33244	1314124.67242	0.000
	Center Point:	1065	417162.16781	1313710.65727	
	Radius:	754.00 '			
	Delta:	1°53'10" Left			
	Arc Length:	24.82 '			
	Chord Bearing:	N57°38'18"W			
	Chord Length:	24.82 '			
	Middle Ordinate:	0.10 '			
	External:	0.10 '			
	Deg of Curvature:	7°35'56" Arc Definition			
	Tangent:	12.41 '			
	Curve PI:		417799.14906	1314114.29662	
1593		12+19.35	417805.61764	1314103.70731	
	Center Point:	1594	418050.11216	1314253.05481	
	Radius:	286.50 '			
	Delta:	1°02'18" Right			
	Arc Length:	5.19 '			
	Chord Bearing:	N58°03'45"W			
	Chord Length:	5.19 '			
	Middle Ordinate:	0.01 '			
	External:	0.01 '			
	Deg of Curvature:	19°59'55" Arc Definition			
	Tangent:	2.60 '			
	Curve PI:		417806.97241	1314101.48919	
1085		12+24.54	417808.36311	1314099.30294	
	N33°54'23"E 50.95 '				
1084		12+75.49	417850.64907	1314127.72477	
	N02°45'11"E 37.57 '				
1083		13+13.06	417888.17571	1314129.52931	
	N87°19'26"W 258.34 '				
1066		15+71.40	417900.23760	1313871.47104	
	N87°13'09"W 203.88 '				
1106		17+75.28	417910.12897	1313667.83113	0.000
	N02°43'41"E 593.11 '				
1102		23+68.39	418502.56679	1313696.06053	0.000

Closing latitude	= 0.00162
Closing departure	= 0.01024
Closing bearing	= S80°59'05"W
Closing distance	= 0.01037
Total traverse length	= 2368.39 (2368.39)
Total error of closure	= 1/228482
Error of closure in latitude	= 1/1458120
Error of closure in departure	= 1/231340

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rea = 297271.89 SQ FT
Area = 6.824 ACRES

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Boundary Name: LOT 4

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1076		17+38.49	417796.82582	1314151.78711	
	S33°54'23"W 18.91 '				
1080		17+57.40	417781.13146	1314141.23840	
	Center Point:	1065	417162.16860	1313710.65626	
	Radius:	754.00	'		
	Delta:	1°31'11"	Left		
	Arc Length:	20.00	'		
	Chord Bearing:	N55°56'08"W			
	Chord Length:	20.00	'		
	Middle Ordinate:	0.07	'		
	External:	0.07	'		
	Deg of Curvature:	7°35'56"	Arc Definition		
	Tangent:	10.00	'		
	Curve PI:		417786.84241	1314133.02841	
1100		17+77.40	417792.33396	1314124.67024	0.000
	N33°54'23"E 65.79 '				
1099		18+43.20	417846.93638	1314161.37038	0.000
	N02°43'41"E 632.74 '				
1113		24+75.93	418478.95929	1314191.48599	
	S87°16'19"E 518.63 '				
1101		29+94.56	418454.27480	1314709.52823	0.000
	S01°51'00"W 683.57 '				
1079		36+78.13	417771.06110	1314687.46055	0.000
	N87°14'47"W 294.43 '				
1011	DEED	39+72.56	417785.20583	1314393.37051	
	S02°42'26"W 276.73 '				
1063		42+49.29	417508.78468	1314380.29990	
	N27°56'21"W 7.54 '				
1064		42+56.83	417515.44586	1314376.76715	
	Center Point:	1065	417162.17135	1313710.64920	
	Radius:	754.00	'		
	Delta:	10°10'55"	Left		
	Arc Length:	133.99	'		
	Chord Bearing:	N33°01'49"W			
	Chord Length:	133.81	'		
	Middle Ordinate:	2.97	'		
	External:	2.99	'		
	Deg of Curvature:	7°35'56"	Arc Definition		
	Tangent:	67.17	'		
	Curve PI:		417574.78722	1314345.30066	
1097		43+90.82	417627.62984	1314303.82971	
	N02°42'26"E 161.69 '				
1597		45+52.51	417789.13939	1314311.46671	
	N87°14'47"W 159.87 '				
1076		47+12.38	417796.81971	1314151.78130	

 Closing latitude = -0.00610
 Closing departure = -0.00581
 Closing bearing = N43°34'53"E
 Closing distance = 0.00843
 Total traverse length = 2973.71 (2973.89)

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otal error of closure = 1/352956
Error of closure in latitude = 1/487244
Error of closure in departure = 1/511987

Area = 376688.25 SQ FT
Area = 8.648 ACRES

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Boundary Name: LOT 5

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1107		0+00.00	417810.19239	1313664.05866	0.000
	S02°43'41"W 297.88 '				
1081		2+97.88	417512.64998	1313649.88089	0.000
	S09°02'50"W 70.55 '				
1088		3+68.43	417442.97768	1313638.78701	
	S87°14'48"E 584.06 '				
1087		9+52.49	417414.92164	1314222.17277	
	N62°03'37"E 74.68 '				
1086		10+27.18	417449.91239	1314288.14814	
	N27°56'21"W 16.37 '				
1069		10+43.55	417464.37439	1314280.47824	
	Center Point:	1065	417162.17007	1313710.65586	
	Radius:	645.00'			
	Delta:	0°45'59" Left			
	Arc Length:	8.63'			
	Chord Bearing:	N28°19'21"W			
	Chord Length:	8.63'			
	Middle Ordinate:	0.01'			
	External:	0.01'			
	Deg of Curvature:	8°52'59" Arc Definition			
	Tangent:	4.31'			
	Curve PI:		417468.18497	1314278.45655	
1089		10+52.18	417471.97130	1314276.38388	
	S62°03'37"W 52.23 '				
1090		11+04.41	417447.49933	1314230.24176	
	N87°14'48"W 97.40 '				
1091		12+01.80	417452.17806	1314132.95419	
	N02°45'12"E 189.70 '				
1092		13+91.50	417641.65907	1314142.06667	
	Center Point:	1065	417162.17376	1313710.65175	
	Radius:	645.00'			
	Delta:	39°11'53" Left			
	Arc Length:	441.27'			
	Chord Bearing:	N67°37'12"W			
	Chord Length:	432.71'			
	Middle Ordinate:	37.37'			
	External:	39.67'			
	Deg of Curvature:	8°52'59" Arc Definition			
	Tangent:	229.66'			
	Curve PI:		417795.26631	1313971.34154	
1070		18+32.77	417806.41238	1313741.94882	
	N87°13'09"W 77.98 '				
1107		19+10.75	417810.19563	1313664.06065	0.000

 Closing latitude = 0.00324
 Closing departure = 0.00199
 Closing bearing = S31°36'06"W
 Closing distance = 0.00380
 Total traverse length = 1902.19 (1910.75)
 Total error of closure = 1/500192
 Error of closure in latitude = 1/587278

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ror of closure in departure = 1/954547

Area = 164827.12 SQ FT
Area = 3.784 ACRES

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Boundary Name: LOT 6

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1087		5+84.06	417414.91688	1314222.16927	
	N62°03'37"E 74.68 '				
1086		6+58.74	417449.90763	1314288.14465	
	S27°56'21"E 175.13 '				
1068		8+33.88	417295.18981	1314370.19898	
	S02°42'26"W 309.44 '				
1012	DEED	11+43.31	416986.09517	1314355.58340	
	N87°11'40"W 737.92 '				
1109		18+81.23	417022.21386	1313618.54787	0.000
	N02°45'12"E 421.24 '				
1088		23+02.48	417442.96757	1313638.78266	
	S87°14'48"E 584.06 '				
1087		28+86.53	417414.91153	1314222.16841	

Closing latitude = -0.00536
 Closing departure = -0.00086
 Closing bearing = N09°07'24"E
 Closing distance = 0.00543
 Total traverse length = 2302.47 (2302.48)
 Total error of closure = 1/424382
 Error of closure in latitude = 1/429820
 Error of closure in departure = 1/2676474

Area = 308925.88 SQ FT
 Area = 7.092 ACRES

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Boundary Name: TRACT A

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1075		0+00.00	419123.04364	1313511.68826	0.000
	S87°16'19"E 142.25 '				
1104		1+42.25	419116.27317	1313653.77705	0.000
	S01°51'00"W 1204.20 '				
1103		13+46.45	417912.70084	1313614.90188	0.000
	N87°13'09"W 138.77 '				
1067		14+85.22	417919.43335	1313476.29530	
	N01°41'03"E 1204.13 '				
1075		26+89.35	419123.04319	1313511.68470	0.000

 Closing latitude = -0.00045
 Closing departure = -0.00356
 Closing bearing = N82°51'32"E
 Closing distance = 0.00359
 Total traverse length = 2689.35 (2689.35)
 Total error of closure = 1/749340
 Error of closure in latitude = 1/6027844
 Error of closure in departure = 1/755198

Area = 169170.85 SQ FT
 Area = 3.884 ACRES

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Boundary Name: TRACT B

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1104		0+00.00	419116.27282	1313653.77821	0.000
	S01°51'00"W	611.07 '			
1523		6+11.07	418505.52133	1313634.05105	
	S87°16'19"E	62.07 '			
1102		6+73.14	418502.56707	1313696.05071	0.000
	N02°43'41"E	611.00 '			
1105		12+84.14	419112.87462	1313725.13160	0.000
	N87°16'19"W	71.44 '			
1104		13+55.58	419116.27485	1313653.77256	0.000

 Closing latitude = 0.00203
 Closing departure = -0.00565
 Closing bearing = S70°16'51"E
 Closing distance = 0.00601
 Total traverse length = 1355.58 (1355.58)
 Total error of closure = 1/225738
 Error of closure in latitude = 1/669029
 Error of closure in departure = 1/239801

Area = 40786.13 SQ FT
 Area = 0.936 ACRES

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Boundary Name: TRACT C

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1523		0+00.00	418505.51960	1313634.04978	
	S01°51'00"W	593.13 '			
1103		5+93.13	417912.69875	1313614.90178	0.000
	S87°13'09"E	52.98 '			
1106		6+46.11	417910.12840	1313667.81939	0.000
	N02°43'41"E	593.11 '			
1102		12+39.22	418502.56622	1313696.04879	0.000
	N87°16'19"W	62.07 '			
1523		13+01.29	418505.52047	1313634.04914	

 Closing latitude = 0.00088
 Closing departure = -0.00064
 Closing bearing = S36°14'58"E
 Closing distance = 0.00109
 Total traverse length = 1301.29 (1301.29)
 Total error of closure = 1/1195863
 Error of closure in latitude = 1/1482872
 Error of closure in departure = 1/2022428

Area = 34117.80 SQ FT
 Area = 0.783 ACRES

CONTOUR ENGINEERING, LLC
 4706 97th St NW SUITE 100- PO BOX 949
 GIG HARBOR, WA. 98335
 253-857-5454
 Tuesday, January 23, 2024 10:39:55 AM

PROJECT: PROJECT FILES\20-195 47th Ave NE Marysville Survey\20-195B\20-195b.pro

CLOSURE REPORT

Coordinate values shown are computed based on the rounded bearing and distance, or chord bearing and chord lengths as indicated herein.

Boundary Name: TRACT D

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1083		3+37.14	417888.17334	1314129.52344	
	N87°19'26"W 258.34 '				
1066		5+95.48	417900.23522	1313871.46517	
	Center Point:	1596	417537.16327	1313853.82974	
	Radius:	363.50	'		
	Delta:	35°06'46"	Right		
	Arc Length:	222.76	'		
	Chord Bearing:	S69°39'46"E			
	Chord Length:	219.29	'		
	Middle Ordinate:	16.93	'		
	External:	17.76	'		
	Deg of Curvature:	15°45'44"	Arc Definition		
	Tangent:	115.00	'		
	Curve PI:		417894.65619	1313986.32939	
1595		8+18.25	417824.02211	1314077.08537	
	Center Point:	1594	418050.11432	1314253.05287	
	Radius:	286.50	'		
	Delta:	5°26'13"	Left		
	Arc Length:	27.19	'		
	Chord Bearing:	S54°49'29"E			
	Chord Length:	27.18	'		
	Middle Ordinate:	0.32	'		
	External:	0.32	'		
	Deg of Curvature:	19°59'55"	Arc Definition		
	Tangent:	13.60	'		
	Curve PI:		417815.66594	1314087.82031	
1085		8+45.43	417808.36426	1314099.30213	
	N33°54'23"E 50.95 '				
1084		8+96.38	417850.65022	1314127.72395	
	N02°45'11"E 37.57 '				
1083		9+33.95	417888.17686	1314129.52849	

Closing latitude = 0.00352
 Closing departure = 0.00506
 Closing bearing = S55°10'26"W
 Closing distance = 0.00616
 Total traverse length = 593.33 (596.81)
 Total error of closure = 1/96276
 Error of closure in latitude = 1/168585
 Error of closure in departure = 1/117283

 Area = 7730.75 SQ FT
 Area = 0.177 ACRES

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CLOSURE REPORT

Coordinate values shown are computed based on the rounded bearing and distance, or chord bearing and chord lengths as indicated herein.

Boundary Name: TRACT E

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1080		9+03.47	417781.13124	1314141.23822	
	N33°54'23"E 18.91 '				
1076		9+22.38	417796.82560	1314151.78693	
	S87°14'47"E 159.87 '				
1597		10+82.25	417789.14527	1314311.47234	
	S02°42'26"W 161.69 '				
1097		12+43.94	417627.63573	1314303.83534	
	Center Point:	1065	417162.17209	1313710.65780	
	Radius:	754.00	'		
	Delta:	17°03'16"	Left		
	Arc Length:	224.43	'		
	Chord Bearing:	N46°38'54"W			
	Chord Length:	223.60	'		
	Middle Ordinate:	8.34	'		
	External:	8.43	'		
	Deg of Curvature:	7°35'56"	Arc Definition		
	Tangent:	113.05	'		
	Curve PI:		417716.57121	1314234.04338	
1080		14+68.38	417781.13139	1314141.24370	

Closing latitude	= 0.00015
Closing departure	= 0.00548
Closing bearing	= S88°26'08"W
Closing distance	= 0.00548
Total traverse length	= 564.07 (564.90)
Total error of closure	= 1/102935
Error of closure in latitude	= 1/3770586
Error of closure in departure	= 1/102973
Area	= 13766.50 SQ FT
Area	= 0.316 ACRES

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CLOSURE REPORT

Coordinate values shown are computed based on the rounded bearing and distance, or chord bearing and chord lengths as indicated herein.

Boundary Name: TRACT F

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1092		0+00.00	417641.65447	1314142.07012	
	S02°45'12"W 189.70 '				
1091		1+89.70	417452.17346	1314132.95765	
	S87°14'48"E 97.40 '				
1090		2+87.09	417447.49473	1314230.24521	
	N62°03'37"E 52.23 '				
1089		3+39.33	417471.96670	1314276.38733	
	Center Point:	1065	417162.16769	1313710.65809	
	Radius:	645.00	'		
	Delta:	19°18'55"	Left		
	Arc Length:	217.44	'		
	Chord Bearing:	N38°21'48"W			
	Chord Length:	216.41	'		
	Middle Ordinate:	9.14	'		
	External:	9.27	'		
	Deg of Curvature:	8°52'59"	Arc Definition		
	Tangent:	109.76	'		
	Curve PI:		417568.23989	1314223.66517	
1092		5+56.76	417641.65179	1314142.07330	

Closing latitude	= -0.00268
Closing departure	= 0.00318
Closing bearing	= N49°54'45"W
Closing distance	= 0.00416
Total traverse length	= 555.74 (556.76)
Total error of closure	= 1/133610
Error of closure in latitude	= 1/207483
Error of closure in departure	= 1/174639
Area	= 16117.08 SQ FT
Area	= 0.370 ACRES

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CLOSURE REPORT

Coordinate values shown are computed based on the rounded bearing and distance, or chord bearing and chord lengths as indicated herein.

Boundary Name: TRACT G

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1107		0+00.00	417810.19239	1313664.05866	0.000
	S02°43'41"W 297.88 '				
1081		2+97.88	417512.64998	1313649.88089	0.000
	S09°02'50"W 70.55 '				
1088		3+68.43	417442.97768	1313638.78701	
	S02°45'12"W 421.24 '				
1109		7+89.68	417022.22397	1313618.55223	0.000
	N87°11'40"W 51.87 '				
1110		8+41.54	417024.76283	1313566.74440	0.000
	N02°42'26"E 799.23 '				
1111		16+40.77	417823.10083	1313604.49392	0.000
	S77°46'30"E 60.94 '				
1107		17+01.72	417810.19671	1313664.05202	0.000

Closing latitude = 0.00432
 Closing departure = -0.00664
 Closing bearing = S56°55'41"E
 Closing distance = 0.00792
 Total traverse length = 1701.71 (1701.72)
 Total error of closure = 1/214834
 Error of closure in latitude = 1/393692
 Error of closure in departure = 1/256369

Area = 44042.19 SQ FT
 Area = 1.011 ACRES

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CLOSURE REPORT

Coordinate values shown are computed based on the rounded bearing and distance, or chord bearing and chord lengths as indicated herein.

Boundary Name: TRACT H

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1014		0+00.00	417829.45306	1313473.65194	
S87°13'09"E	131.00 '				
1111		1+31.00	417823.09751	1313604.49768	0.000
S02°42'26"W	799.23 '				
1110		9+30.23	417024.75951	1313566.74816	0.000
N87°11'40"W	141.60 '				
1013		10+71.83	417031.69035	1313425.31788	
N03°28'01"E	799.23 '				
1014		18+71.05	417829.45764	1313473.64946	

 Closing latitude = 0.00458
 Closing departure = -0.00248
 Closing bearing = S28°27'50"E
 Closing distance = 0.00521
 Total traverse length = 1871.06 (1871.05)
 Total error of closure = 1/359125
 Error of closure in latitude = 1/408506
 Error of closure in departure = 1/753506

Area = 108929.03 SQ FT
 Area = 2.501 ACRES

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PROJECT: PROJECT FILES\20-195 47th Ave NE Marysville Survey\20-195B\20-195b.pro

CLOSURE REPORT

Coordinate values shown are computed based on the rounded bearing and distance, or chord bearing and chord lengths as indicated herein.

Boundary Name: 156th Street NE

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1067		0+00.00	417919.43066	1313476.29761	
	S01°41'03"W 90.02 '				
1014		0+90.02	417829.44955	1313473.65192	
	S87°13'09"E 131.00 '				
1111		2+21.01	417823.09400	1313604.49766	0.000
	S77°46'30"E 60.94 '				
1107		2+81.96	417810.18988	1313664.05576	0.000
	S87°13'09"E 77.98 '				
1070		3+59.94	417806.40663	1313741.94393	
	Center Point:	1065	417162.16617	1313710.65134	
	Radius:	645.00	'		
	Delta:	59°16'47"	Right		
	Arc Length:	667.34	'		
	Chord Bearing:	S57°34'45"E			
	Chord Length:	637.97	'		
	Middle Ordinate:	84.40	'		
	External:	97.10	'		
	Deg of Curvature:	8°52'59"	Arc Definition		
	Tangent:	367.01	'		
	Curve PI:		417788.60282	1314108.52277	
1069		10+27.28	417464.36937	1314280.47549	
	S27°56'21"E 191.51 '				
1068		12+18.78	417295.18071	1314370.20440	
	N02°42'26"E 213.83 '				
1063		14+32.62	417508.77206	1314380.30410	
	N27°56'21"W 7.54 '				
1064		14+40.16	417515.43324	1314376.77135	
	Center Point:	1065	417162.15873	1313710.65341	
	Radius:	754.00	'		
	Delta:	30°38'32"	Left		
	Arc Length:	403.25	'		
	Chord Bearing:	N43°15'37"W			
	Chord Length:	398.46	'		
	Middle Ordinate:	26.80	'		
	External:	27.78	'		
	Deg of Curvature:	7°35'56"	Arc Definition		
	Tangent:	206.57	'		
	Curve PI:		417697.93739	1314279.98790	
1593		18+43.40	417805.61096	1314103.70128	
	Center Point:	1594	418050.10549	1314253.04878	
	Radius:	286.50	'		
	Delta:	6°28'30"	Right		
	Arc Length:	32.38	'		
	Chord Bearing:	N55°20'38"W			
	Chord Length:	32.36	'		
	Middle Ordinate:	0.46	'		
	External:	0.46	'		
	Deg of Curvature:	19°59'55"	Arc Definition		
	Tangent:	16.21	'		
	Curve PI:		417814.06724	1314089.87441	
1595		18+75.78	417824.01246	1314077.08260	
	Center Point:	1596	417537.15550	1313853.82191	

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Radius:	363.50	'
Delta:	35°06'46"	Left
Arc Length:	222.76	'
Chord Bearing:	N69°39'46"W	
Chord Length:	219.29	'
Middle Ordinate:	16.93	'
External:	17.76	'
Deg of Curvature:	15°45'44"	Arc Definition
Tangent:	115.00	'
Curve PI:		417894.65619 1313986.32939
1066		20+98.54 417900.22558 1313871.46240
N87°13'09"W	395.63	'
1067		24+94.17 417919.41982 1313476.29829

Closing latitude	=	-0.01084
Closing departure	=	0.00067
Closing bearing	=	N03°33'06"W
Closing distance	=	0.01086
Total traverse length	=	2456.53 (2494.17)
Total error of closure	=	1/226159
Error of closure in latitude	=	1/226595
Error of closure in departure	=	1/3650679
Area	=	116191.28 SQ FT
Area	=	2.667 ACRES

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CLOSURE REPORT

Coordinate values shown are computed based on the rounded bearing and distance, or chord bearing and chord lengths as indicated herein.

Boundary Name: 47th Ave NE & 160 Street NE

Point Number	Description	Sta	Northing	Easting	Elevation
Bearing	Distance				
1026		0+00.00	419167.03193	1313512.98168	
	S87°16'19"E 1263.08 '				
1025		12+63.08	419106.91493	1314774.63022	
	S01°51'00"W 1338.66 '				
1006		26+01.75	417768.95268	1314731.41428	
	N87°14'47"W 44.01 '				
1079		26+45.75	417771.06697	1314687.45510	0.000
	N01°51'00"E 1284.64 '				
1078		39+30.39	419055.03737	1314728.92711	0.000
	N86°44'23"W 1076.90 '				
1077		50+07.29	419116.28270	1313653.77009	0.000
	N87°16'19"W 142.25 '				
1075		51+49.54	419123.05317	1313511.68130	0.000
	N01°41'03"E 44.01 '				
1026		51+93.55	419167.04416	1313512.97476	

Closing latitude = 0.01223
 Closing departure = -0.00693
 Closing bearing = S29°32'03"E
 Closing distance = 0.01405
 Total traverse length = 5193.55 (5193.55)
 Total error of closure = 1/369628
 Error of closure in latitude = 1/424829
 Error of closure in departure = 1/749841

 Area = 117920.30 SQ FT
 Area = 2.707 ACRES