

PARCEL AREA TABLE			
PARCEL #	AREA	SEGMENT LENGTHS	SEGMENT BEARINGS
1	8383.10	73.00	S43° 43' 46.91"W
		64.40	N89° 04' 54.20"W
		30.41	N31° 03' 28.45"W
		95.40	N42° 51' 54.19"E
		96.88	S63° 12' 43.17"E
2	6685.56	81.55	S33° 00' 52.56"W
		96.88	N63° 12' 43.17"W
		48.61	N18° 35' 46.39"E
		117.40	S79° 35' 44.05"E
3	8669.63	90.44	S20° 20' 37.44"W
		117.40	N79° 35' 44.05"W
		48.61	N2° 12' 45.51"E
		145.83	N84° 01' 15.07"E
4	11396.51	58.24	S20° 20' 37.44"W
		145.83	S84° 01' 15.07"W
		48.61	N14° 10' 15.37"W
		144.77	N67° 38' 14.19"E
5	8251.12	15.30	S53° 17' 41.22"E
		38.67	S53° 17' 41.22"E
		108.94	N30° 33' 16.24"W
		36.37	N51° 15' 13.32"E
		55.36	S53° 17' 41.22"E
6	6367.81	144.77	S67° 38' 14.19"W
		121.54	S16° 32' 39.26"W
		15.30	N53° 17' 41.22"W
		55.36	N53° 17' 41.22"W
		103.84	N28° 00' 12.22"E
7	5519.80	46.00	S67° 43' 34.26"E
		36.37	N53° 17' 41.22"W
		26.17	N53° 17' 41.22"W
		100.00	N36° 42' 18.78"E
		12.03	S53° 17' 41.22"E
		34.93	S57° 38' 44.50"E
		103.84	S28° 00' 12.22"W

PARCEL AREA TABLE			
PARCEL #	AREA	SEGMENT LENGTHS	SEGMENT BEARINGS
8	5000.00	50.00	N53° 17' 41.22"W
		100.00	N36° 42' 18.78"E
		50.00	S53° 17' 41.22"E
		100.00	S36° 42' 18.78"W
9	5000.00	100.00	N36° 42' 18.78"E
		50.00	S53° 17' 41.22"E
		100.00	N36° 42' 18.78"W
		50.00	N53° 17' 41.22"W
10	6478.54	90.00	N36° 42' 18.78"E
		15.71	N81° 42' 18.78"E
		55.00	S53° 17' 41.22"E
		100.00	N36° 42' 18.78"W
11	6478.54	65.00	S36° 42' 18.78"W
		100.00	N53° 17' 41.22"W
		100.00	N36° 42' 18.78"E
		55.00	S53° 17' 41.22"E
12	6000.00	15.71	S8° 17' 41.22"E
		60.00	N53° 17' 41.22"W
		60.00	N36° 42' 18.78"E
		100.00	S36° 42' 18.78"W
13	6044.61	60.50	N53° 17' 41.22"W
		99.65	N36° 42' 18.78"E
		45.91	S53° 44' 04.89"E
		14.59	S53° 17' 41.22"E
14	6055.78	100.00	S36° 42' 18.78"W
		14.59	N53° 17' 41.22"W
		45.91	N53° 45' 58.42"W
		100.38	N36° 42' 18.78"E
		60.50	S53° 17' 41.22"E
		100.00	S36° 42' 18.78"W

PARCEL AREA TABLE			
PARCEL #	AREA	SEGMENT LENGTHS	SEGMENT BEARINGS
15	6000.00	60.00	N53° 17' 41.22"W
		100.00	N36° 42' 18.78"E
		60.00	S53° 17' 41.22"E
		100.00	S36° 42' 18.78"W
16	6478.54	90.00	S36° 42' 18.78"W
		15.71	S81° 42' 18.78"W
		55.00	N53° 17' 41.22"W
		100.00	N36° 42' 18.78"E
17	6478.54	90.00	N36° 42' 18.78"E
		65.00	N53° 17' 41.22"W
		100.00	N36° 42' 18.78"E
		55.00	S53° 17' 41.22"E
18	5000.00	100.00	S36° 42' 18.78"W
		50.00	N53° 17' 41.22"W
		100.00	N36° 42' 18.78"E
		50.00	S53° 17' 41.22"E
19	6400.18	43.17	N46° 01' 13.95"W
		6.10	N53° 17' 41.22"W
		100.00	N36° 42' 18.78"E
		50.00	S53° 17' 41.22"E
20	8714.56	26.17	S53° 17' 41.22"E
		108.94	S51° 15' 13.32"W
		142.27	S16° 14' 37.02"E
		136.69	N53° 17' 41.22"W
21	8381.68	15.71	N36° 42' 18.78"E
		64.16	N36° 42' 18.78"E
		31.10	S53° 17' 41.22"E
		60.77	S36° 38' 03.05"W
136.59		N53° 17' 41.22"W	
		10.92	N34° 45' 53.03"E
		0.64	N36° 38' 13.67"E
		48.45	N36° 42' 18.78"E
		136.89	S53° 17' 41.22"E

PARCEL AREA TABLE			
PARCEL #	AREA	SEGMENT LENGTHS	SEGMENT BEARINGS
22	8557.71	136.59	S53° 17' 41.22"E
		73.83	S71° 41' 22.37"W
		69.74	N89° 04' 54.20"W
		60.00	N7° 53' 59.98"E
		48.94	N25° 14' 17.54"E
23	6547.22	60.00	S7° 53' 59.98"W
		80.17	N89° 04' 54.20"W
		15.78	N43° 52' 06.09"W
		75.89	N8° 23' 49.74"E
24	6733.90	90.00	S72° 33' 02.55"E
		10.92	S34° 45' 53.03"W
		48.94	S25° 14' 17.54"W
		90.00	N72° 33' 02.55"W
25	5846.18	89.79	N26° 58' 32.94"E
		90.00	S53° 29' 51.57"E
		48.45	S36° 42' 18.78"W
		0.64	S36° 36' 13.60"W
26	5753.01	90.00	N36° 42' 18.78"E
		54.16	N55° 53' 20.10"W
		15.71	N34° 30' 12.36"E
		80.00	S55° 53' 20.10"E
83	7430.45	64.16	S36° 42' 18.78"W
		59.04	S83° 11' 51.74"W
		67.20	N15° 10' 22.20"W
		13.55	N23° 32' 36.15"W
84	7853.26	15.71	N21° 27' 23.85"E
		3.87	N66° 27' 23.85"E
		85.15	N80° 48' 19.95"E
		98.77	S6° 00' 32.42"W
85.92		N65° 03' 47.25"W	
		98.77	N6° 00' 32.42"E
		85.92	S70° 22' 02.03"E
		16.10	S55° 53' 20.10"E

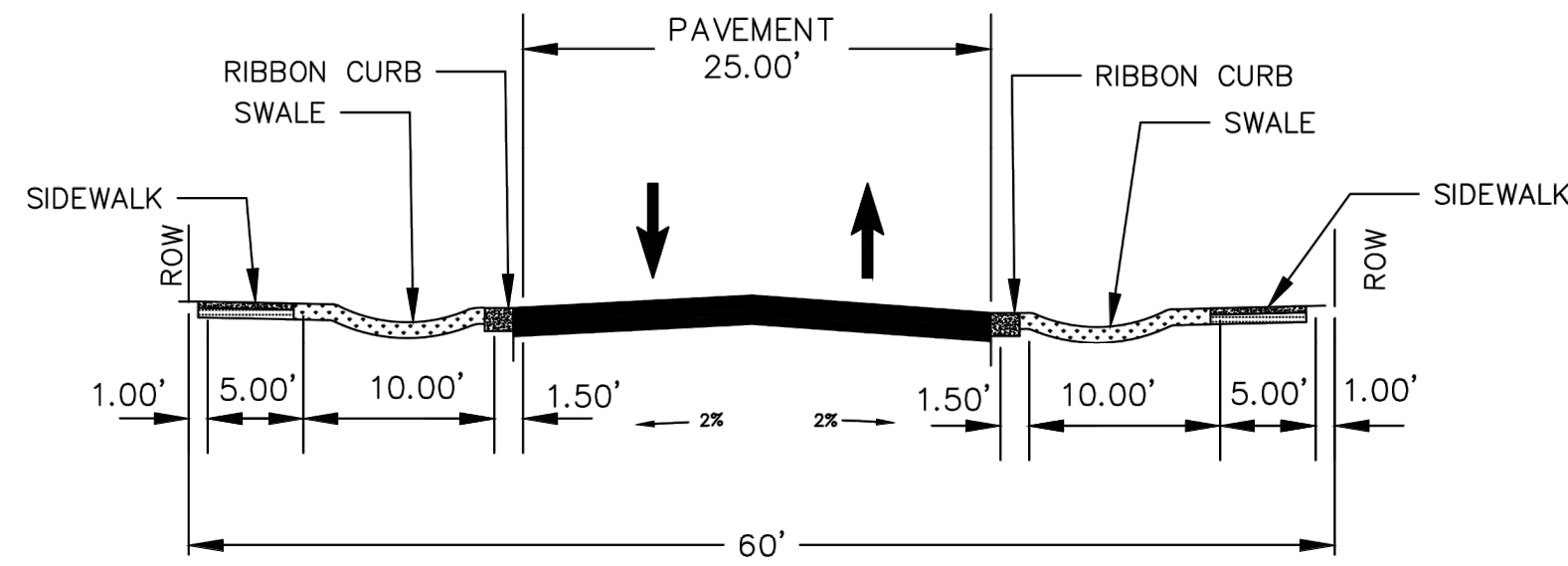
PARCEL AREA TABLE			
PARCEL #	AREA	SEGMENT LENGTHS	SEGMENT BEARINGS
120	6800.00	100.00	S1° 00' 00.00"W
		68.00	N89° 00' 00.00"W
		100.00	N1° 00' 00.00"E
		68.00	S89° 00' 00.00"E
121	6790.80	100.00	S1° 00' 00.00"W
		68.00	N89° 00' 00.00"W
		99.73	N1° 00' 00.00"E
		68.00	S89° 13' 40.38"E
122	7494.49	99.73	S1° 00' 00.00"W
		16.39	N89° 00' 00.00"W
		108.50	N44° 35' 45.79"W
		29.38	N0° 11' 31.57"W
123	6800.00	87.00	N89° 48' 28.43"E
		68.00	N0° 11' 31.57"W
		100.00	N89° 48' 28.43"E
		68.00	S0° 11' 31.57"E
124	8963.89	13.00	S89° 48' 28.43"W
		87.00	S89° 48' 28.43"W
		100.00	S89° 00' 00.00"E
		100.00	N89° 48' 28.43"E
125	6800.12	100.00	S0° 11' 31.57"E
		100.00	S89° 48' 28.43"W
		30.18	N0° 11' 31.57"W
		110.38	N44° 58' 49.21"E
126	6800.12	29.58	S89° 50' 50.00"E
		100.00	S0° 11' 31.57"E
		68.00	N89° 50' 50.00"W
		68.00	N0° 11' 31.57"W
100.00		S89° 50' 50.00"E	

PARCEL AREA TABLE			
PARCEL #	AREA	SEGMENT LENGTHS	SEGMENT BEARINGS
127	7615.38	84.75	S31° 39' 48.03"W
		55.86	N89° 50' 50.00"W
		100.00	N0° 11' 31.57"W
		7.69	S89° 50' 50.00"E
		98.49	S73° 14' 57.24"E
128	7159.65	70.20	S25° 45' 33.80"W
		92.22	N58° 20' 11.97"W
		84.75	N31° 39' 48.03"E
		2.26	S56° 16' 12.29"E
		73.34	S55° 53' 20.10"E
		15.78	S10° 41' 33.87"E
		1.50	S34° 30' 12.36"W

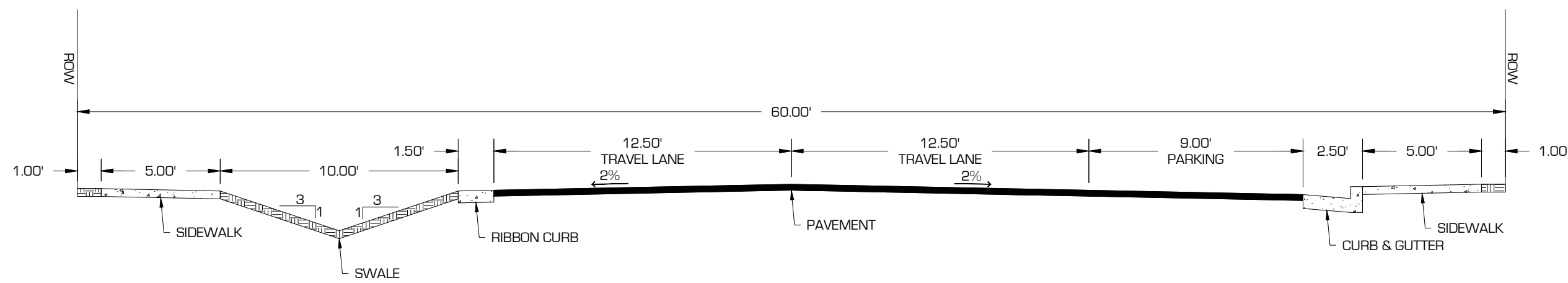
STORMWATER CALCULATIONS					
Ridgeline Park		(SubArea / TotalArea)*CN			
Description	Area (sq ft)	Area (ac)	CN (Group B/C)		
Impervious Area	511,642	11.75	98	44	
Open Space	396,739	9.11	61	21	
Open Space	222,279	5.10	74	15	
Total Area:	1,130,659	25.96	80		
Pre Development (Pasture, grassland, or range; good):	1,130,659	25.96	65		
90th-Percentile Storm Volume w/in city ROW's (0.6-in):	10,557	cu-ft			
Pre-development runoff rate (time of concentration = 432 min):	0.05	cfs/acre			
Percolation rate to be used in swales:	0.05	cfs/acre			
Initial Abstraction for pre dev		0.49	inches		
Precipitation (10 Yr)	24 hour storm	1.08	inches		
Precipitation (25 Yr)	24 hour storm	2.04	inches		
Precipitation (100 Yr)	24 hour storm	2.41	inches		
Direct Runoff (10 Yr) for pre dev (10 Yr)	24 hour storm	3.02	inches		
Direct Runoff (25 Yr) for pre dev (25 Yr)	24 hour storm	0.60	total runoff depth		
Direct Runoff (100 Yr) for pre dev (100 Yr)	24 hour storm	0.14	total runoff depth		
	24 hour storm	0.84	total runoff depth		
	24 hour storm	0.26	total runoff depth		
	24 hour storm	1.28	total runoff depth		
	24 hour storm	0.51	total runoff depth		
Post Development					
10-Year Direct Runoff		1.30	acre-ft	56,502	ft3
25-Year Direct Runoff		1.82	acre-ft	79,374	ft3
100-Year Direct Runoff		2.78	acre-ft	120,971	ft3
Pre-Development					
10-Year Direct Runoff		0.31	acre-ft	13,658	ft3
25-Year Direct Runoff		0.57	acre-ft	24,771	ft3
100-Year Direct Runoff		1.11	acre-ft	48,322	ft3

CURVE TABLE				
CURVE #	RADIUS	DELTA	ARC	CHORD
C1	170.00	32°09'15"	95.40	S42°5'51.54"W 94.16
C2	170.00	16°23'01"	48.61	S18°35'46"W 48.45
C3	170.00	16°23'01"	48.61	S12°46"W 48.45
C4	170.00	16°23'01"	48.61	S14°10'15"E 48.45
C5	170.00	16°23'01"	48.61	S30°33'16"E 48.45
C6	170.00	14°32'55"	43.17	S46°0'11.4"E 43.05
C7	10.00	90°00'00"	15.71	S81°17'41"E 14.14
C8	10.00	90°00'00"	15.71	S81°42'19"W 14.14
C9	230.00	8°42'07"	34.93	N57°38'45"W 34.90
C10	230.00	11°27'33"	46.00	N67°43'34"W 45.92
C11	10.00	90°00'00"	15.71	S81°42'19"W 14.14
C12	110.00	74°06'08"	142.27	N16°14'37"W 132.56
C13	110.00	31°39'12"	60.77	N36°38'03"E 60.00
C14	110.00	38°27'27"	73.83	N71°41'22"E 72.45
C15	10.00	90°25'36"	15.78	S43°52'06"E 14.19

CURVE TABLE				
CURVE #	RADIUS	DELTA	ARC	CHORD
C16	270.00	16°06'15"	75.89	S9°23'50"W 75.64
C17	270.00	19°03'11"	89.79	S26°58'33"W 89.37
C18	270.00	0°12'10"	0.96	S36°36'14"W 0.96
C19	180.00	0°12'10"	0.64	S36°36'14"W 0.64
C20	180.00	3°28'31"	10.92	N34°45'53"E 10.92
C21	180.00	15°34'40"	48.94	N25°14'18"E 48.79
C22	180.00	15°05'55"	60.00	N7°54'00"E 59.72
C23	10.00	90°00'00"	15.71	N81°42'19"E 14.14
C24	2790.00	0°56'34"	45.91	S53°45'58"E 45.91
C25	2990.00	0°52'47"	45.91	N53°44'05"W 45.91
C26	10.00	90°00'00"	15.71	N8°17'41"W 14.14
C27	2990.00	0°40'13"	34.98	N55°33'13"W 34.98
C28	2790.00	0°41'25"	33.61	S55°32'38"E 33.61
C29				



TS-14: LOCAL: 2-LANE LOCAL WITH SWALES, 60' ROW
N.T.S.



MODIFIED TS-14
NOT TO SCALE

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MARK	DATE	DESCRIPTION

PROJECT #:	19-384
DRAWN BY:	A. OCHSENBEIN
REVIEWED BY:	M. TAYLOR
ISSUED:	6.4.2020

