

ITEM 202 - PAVEMENT REMOVED, AS PER PLAN

STATION TO	STATION	LENGTH	CALCULATION	AREA
3+535.40	3+855.73	320.33 m	(17.67 m)(320.33 m)	5,660.23 SQ. m
3+855.73	3+977.84	122.11 m	(17.67 m)(122.11 m) + [1/2(10.60 m - 8.84 m)(122.11 m) + [1/2(16.60 m - 8.84 m)(122.11 m)]	2,738.92 SQ. m
3+977.84	4+240.84	263.00 m	(21.02 m)(263.00 m)	5,528.26 SQ. m
4+240.84	4+358.65	117.81 m	(21.02 m)(117.81 m) - 2(1/2)(2.13 m - 1.37 m)(117.81 m)	2,386.83 SQ. m
4+358.65	4+480.57	121.92 m	(20.42 m)(121.92 m)	2,489.61 SQ. m
4+480.57	4+663.45	182.88 m	(19.80 m)(182.88 m)	3,621.02 SQ. m
4+663.45	4+794.97	131.52 m	(19.80 m)(131.52 m) - 2(1/2)(1.52 m - 0.61 m)(131.52 m)	2,484.42 SQ. m
4+794.97	4+934.72	139.75 m	(18.98 m)(139.75 m) - 2(1/2)(8.99 m - 5.64 m)(139.75 m)	2,184.30 SQ. m
4+934.72	5+219.50	284.78 m	(11.20 m)(284.78 m)	3,189.54 SQ. m
5+219.50	5+362.00	142.50 m	(5.50 m)(115.00 m) + 1/2(2.20 m)(115.00 m) + (6.8 m)(29.5 m) + 1/2(29.50 m)(0.90 m) + (10.70 m)(68.0 m) + 1/2(1.90 m)(68.0 m) + (5.50 m)(76.5 m) + 1/2(5.20 m)(76.5 m)	2,384.73 SQ. m

PAVEMENT REMOVED

	*32,667.86 SQ. m	TOTAL =	32,667.86 SQ. m
CONCRETE WALK REMOVED (SEE ITEM 608, SHEET 57)	+ 5,499.42 SQ. m		
CONCRETE SLOPE PROTECTION (SEE ITEM 601 THIS SHEET)	+ 1,250.00 SQ. m		
AREAS INCLUDED IN EXTRA AREA CALCULATIONS	- 4,996.89 SQ. m		
TOTAL =	34,420.39 SQ. m		
* AREA INCLUDES CONCRETE CURB AND MEDIAN REMOVAL USE =	34,421 SQ. m		

ITEM 202 - FENCE REMOVED

STATION TO	STATION	SIDE	LENGTH
3+559.7	3+570.4	R	10.7 m
3+598.4	3+616.4	R	18.0 m
3+721.3	3+726.6	L	5.3 m
3+736.6	3+756.7	L	20.1 m
3+769.1	3+800.7	L	31.6 m
3+728.0	3+771.0	R	43.0 m
3+828.6	3+866.3	R	37.7 m
3+858.1	3+982.5	L	124.4 m
3+879.7	3+913.0	R	33.3 m
3+990.4	4+020.7	L	30.3 m
4+010.0	4+019.2	L	9.2 m
4+039.9	4+058.6	L	18.7 m

TOTAL = 382.3 m

ITEM 607 - FENCE, TYPE CL (GALVANIZED)

STATION TO	STATION	SIDE	LENGTH
3+559.7	3+570.4	R	10.7 m
3+601.0	3+616.4	R	15.4 m
3+721.3	3+724.4	L	3.1 m
3+737.4	3+755.8	L	18.4 m
3+770.1	3+800.7	L	30.6 m
3+728.0	3+771.0	R	43.0 m
3+828.6	3+866.3	R	37.7 m
3+858.1	3+982.5	L	124.4 m
3+881.0	3+913.0	R	32.0 m
3+990.4	4+019.7	L	29.3 m
4+041.1	4+058.6	L	17.5 m

TOTAL = 362.1 m

ITEM 451 - 230 mm REINFORCED CONCRETE PAVEMENT

(NORTH OF CENTERLINE)				AREA
STATION TO	STATION	LENGTH	CALCULATION	AREA
3+539.40	3+651.30	111.90 m	(111.90 m)(8.70 m)	973.53 SQ. m
3+678.78	3+700.99	22.21 m	(22.21 m)(8.70 m)	193.23 SQ. m
3+734.59	3+759.38	24.79 m	(24.79 m)(8.85 m)	219.39 SQ. m
3+790.05	3+855.73	65.68 m	(65.68 m)(8.25 m)	541.86 SQ. m
3+855.73	3+893.83	38.10 m	[(38.10 m)(8.25 m)] + [1/2(38.10 m)(2.90 m)]	369.57 SQ. m
3+893.83	3+931.93	38.10 m	[(38.10 m)(11.15 m)] + [1/2(38.10 m)(1.55 m)]	454.34 SQ. m
3+931.93	3+961.34	29.41 m	[(29.41 m)(12.70 m)] - [1/2(29.41 m)(0.45 m)]	366.89 SQ. m
3+977.84	4+007.63	29.79 m	(29.79 m)(8.25 m)	245.77 SQ. m
4+053.09	4+201.60	148.51 m	(148.51 m)(10.35 m)	1,537.08 SQ. m
4+256.32	4+526.00	269.68 m	(269.68 m)(8.4 m)	2,265.31 SQ. m
4+526.00	4+612.00	86.00 m	(86.00 m)(8.25 m)	709.50 SQ. m
4+612.00	4+777.67	165.67 m	(165.67 m)(8.4 m)	1,391.63 SQ. m
4+777.67	4+799.09	21.42 m	(21.42 m)(8.25 m)	176.72 SQ. m
4+799.09	4+817.93	18.84 m	[(18.84 m)(8.85 m)] - [1/2(18.84 m)(0.60 m)]	161.08 SQ. m
4+817.93	4+848.00	30.07 m	(30.07 m)(8.25 m)	248.08 SQ. m
4+868.51	4+911.73	43.22 m	(43.22 m)(8.25 m)	356.56 SQ. m
4+911.73	4+940.00	28.27 m	[(28.27 m)(7.35 m)] + [1/2(28.27 m)(0.90 m)]	220.51 SQ. m
4+940.00	5+032.82	92.82 m	(92.82 m)(7.35 m)	682.23 SQ. m
5+049.00	5+363.35	314.35 m	(314.35 m)(7.35 m)	2,310.47 SQ. m

TOTAL = 13,423.75 SQ. m

(SOUTH OF CENTERLINE)

STATION TO	STATION	LENGTH	CALCULATION	AREA
3+539.40	3+557.66	18.26 m	(18.26 m)(8.70 m)	158.86 SQ. m
3+583.44	3+590.94	7.50 m	(7.50 m)(9.30 m)	69.75 SQ. m
3+622.86	3+712.47	89.61 m	(89.61 m)(8.70 m)	779.61 SQ. m
3+712.47	3+871.43	158.96 m	(158.96 m)(8.25 m)	1,311.42 SQ. m
3+902.74	3+962.00	59.26 m	(59.26 m)(8.25 m)	488.90 SQ. m
3+962.00	3+977.65	15.65 m	[(15.65 m)(8.25 m)] + [1/2(15.65 m)(3.0 m)]	152.59 SQ. m
3+977.65	4+005.48	27.83 m	(27.83 m)(11.25 m)	313.09 SQ. m
4+054.83	4+115.95	61.12 m	(61.12 m)(10.35 m)	632.59 SQ. m
4+147.52	4+202.93	55.41 m	(55.41 m)(10.35 m)	573.49 SQ. m
4+240.06	4+526.00	285.94 m	(285.94 m)(8.40 m)	2,401.90 SQ. m
4+526.00	4+612.00	86.00 m	(86.00 m)(8.25 m)	709.50 SQ. m
4+612.00	4+777.67	165.67 m	(165.67 m)(8.40 m)	1,391.63 SQ. m
4+777.67	4+795.14	17.47 m	(17.47 m)(8.25 m)	144.13 SQ. m
4+833.00	4+911.73	78.73 m	(78.73 m)(8.25 m)	649.52 SQ. m
4+911.73	4+940.00	28.27 m	[(28.27 m)(7.35 m)] + [1/2(28.27 m)(0.90 m)]	220.51 SQ. m
4+940.00	5+032.39	92.39 m	(92.39 m)(7.35 m)	679.07 SQ. m
5+049.92	5+197.21	147.29 m	(147.29 m)(7.35 m)	1,082.58 SQ. m
5+217.05	5+263.00	45.95 m	(45.95 m)(7.35 m)	337.73 SQ. m
5+263.00	5+335.00	72.00 m	[(72.00 m)(7.35 m)] + [1/2(4.8 m)(72.0 m)]	702.00 SQ. m
5+335.00	5+361.11	26.11 m	(26.11 m)(12.15 m)	317.24 SQ. m

TOTAL = 13,116.11 SQ. m

TOTAL = 13,423.75 SQ. m + 13,116.11 SQ. m = * 26,539.86 SQ. m
 * DOES NOT INCLUDE EXTRA AREAS USE 26,540 SQ. m

ITEM 601 - CONCRETE SLOPE PROTECTION

(*59.95 m + *60.20 m)(*10.4 m) = 1249.58 SQ. m
 USE = 1250 SQ. m
 * ACTUAL FIELD MEASUREMENTS

ITEM 202 - FENCE REMOVED, FOR STORAGE, AS PER PLAN

SHEET #	REFERENCE #	STATION TO	STATION	SIDE	LENGTH
89	F1	4+909.4	4+909.4	L	3.1 m
90	F1	5+062.4	5+069.2	L	7.9 m
90	F2	5+076.7	5+104.5	L	27.8 m

TOTAL = 38.8 m

ITEM 203 - SUBGRADE COMPACTION

13,423.75 SQ. m + 13,116.11 SQ. m = *26,539.86 SQ. m
 USE = 26,540 SQ. m

* QUANTITY TAKEN FROM ITEM 451 - 230 mm REINFORCED CONCRETE PAVEMENT

ITEM 304 - AGGREGATE BASE, AS PER PLAN

AREA OF ITEM 451 - REINFORCED CONCRETE = 26,539.86 SQ. m

(26,539.86 SQ. m)(0.150 m) = *3,980.98 CUBIC m
 * DOES NOT INCLUDE EXTRA AREAS USE = 3,981 CUBIC m

CALC. BY:
CHECKED BY:

CALCULATIONS

LAK-640-3.444

56
214