

CALC. BY:
CHECKED BY:

ITEM 608 - 100 mm CONCRETE WALK

ITEM 830 - CURB TYPE 2A

(NORTH OF CENTERLINE)

*(NORTH OF CENTERLINE)

*(SOUTH OF CENTERLINE)

STATION	TO	STATION	CALCULATION	AREA
3+539.40		3+651.30	(111.90 m)(1.5 m)	167.85 SQ. m
3+678.78		3+700.99	(22.21 m)(1.5 m)	33.31 SQ. m
3+734.59		3+759.38	(24.79 m)(1.5 m)	37.18 SQ. m
3+790.05		3+961.34	(171.29 m)(1.5 m)	256.94 SQ. m
3+977.84		4+007.63	(29.79 m)(1.5 m)	44.68 SQ. m
4+053.09		4+201.60	(148.51 m)(1.5 m)	222.77 SQ. m
4+256.32		4+483.00	[(226.68 m)(1.5 m)] + [1/2(10 m)(0.28 m)]	341.42 SQ. m
4+483.00		4+532.55	(49.55 m)(1.78 m)	88.20 SQ. m
4+628.24		4+673.45	[(45.21 m)(1.78 m)] - [1/2(10 m)(0.28 m)]	79.07 SQ. m
4+673.45		4+848.00	(174.55 m)(1.5 m)	261.83 SQ. m
4+868.51		4+911.73	(43.22 m)(1.5 m)	64.83 SQ. m
4+911.73		4+940.00	[(28.27 m)(2.50 m)] + [1/2(28.27 m)(0.17 m)]	73.08 SQ. m
4+940.00		5+032.82	(92.82 m)(2.50 m)	232.05 SQ. m
5+049.00		5+363.35	(314.35 m)(2.50 m)	785.88 SQ. m

STATION	TO	STATION	LENGTH	STATION	TO	STATION	LENGTH
3+539.40		3+651.30	111.90 m	3+539.40		3+557.66	18.26 m
3+678.78		3+700.99	22.21 m	3+583.44		3+590.94	7.50 m
3+734.59		3+759.38	24.79 m	3+622.86		3+871.43	248.57 m
3+790.05		3+961.34	171.29 m	3+902.74		4+005.48	102.74 m
3+977.84		4+007.63	29.79 m	4+054.83		4+115.95	61.12 m
4+053.09		4+201.60	148.51 m	4+147.52		4+202.93	55.41 m
4+256.32		4+848.00	591.68 m	4+240.06		4+795.14	555.08 m
4+868.51		5+032.82	164.31 m	4+833.00		5+032.39	199.39 m
5+049.00		5+363.35	314.35 m	5+049.92		5+197.21	147.29 m
			<u>TOTAL = 1,578.83 m</u>	5+217.05		5+361.11	<u>144.06 m</u>

TOTAL = 2,689.09 SQ. m

* DOES NOT INCLUDE EXTRA AREAS

TOTAL = 1,539.42 m
* DOES NOT INCLUDE EXTRA AREAS

(MEDIAN) CURB

STATION	TO	STATION	CALCULATION	LENGTH
4+236.73		4+526.00	(289.27 m)(2.0)	578.54 m
4+612.00		4+777.67	(165.67 m)(2.0)	331.34 m

TOTAL = 909.88 m

TOTAL = 1578.83 m + 1539.42 m + 909.88 m = 4,028.13 m
USE = 4,029 m

ITEM 830 - CONCRETE MEDIAN

STATION	TO	STATION	LENGTH	CALCULATION	AREA
3+712.47		3+855.73	143.26 m	(143.26 m)(0.9 m)	128.93 SQ. m
3+855.73		3+962.00	106.27 m	[(106.27 m)(0.9 m)] + [(1/2)(106.27 m)(3.30 m)]	270.99 SQ. m
3+962.00		3+977.65	15.65 m	[(15.65 m)(1.2 m)] + [1/2(15.65 m)(3.0 m)]	42.26 SQ. m
3+977.65		4+015.15	37.50 m	(37.50 m)(1.2 m)	45.00 SQ. m
4+526.00		4+612.00	86.00 m	[(86.00 m)(3.10 m)]	266.60 SQ. m
4+777.67		4+799.09	21.42 m	[(21.42 m)(0.6 m)] + [2(1/2)(0.15)(21.42 m)]	16.07 SQ. m

TOTAL = 769.85 SQ. m
USE = 770 SQ. m

(SOUTH OF CENTERLINE)

STATION	TO	STATION	CALCULATION	AREA
3+539.40		3+557.66	(18.26 m)(1.5 m)	27.39 SQ. m
3+583.44		3+590.94	(7.5 m)(1.5 m)	11.25 SQ. m
3+622.86		3+871.43	(248.57 m)(1.5 m)	372.86 SQ. m
3+902.74		4+005.48	(102.74 m)(2.85 m)	292.81 SQ. m
4+054.83		4+115.95	(61.12 m)(1.5 m)	91.68 SQ. m
4+147.52		4+202.93	(55.41 m)(1.5 m)	83.11 SQ. m
4+240.06		4+483.00	[(242.94 m)(1.50 m)] + [1/2(10 m)(0.28 m)]	365.81 SQ. m
4+483.00		4+522.65	(39.65 m)(1.78 m)	70.58 SQ. m
4+607.69		4+673.45	[(65.76 m)(1.78 m)] - [1/2(10 m)(0.28 m)]	115.65 SQ. m
4+673.45		4+795.14	(121.69 m)(1.5 m)	182.54 SQ. m
4+833.00		4+911.73	(78.73 m)(1.5 m)	118.09 SQ. m
4+911.73		4+940.00	[(28.27 m)(2.50 m)] + [1/2(23.2 m)(0.20 m)]	73.00 SQ. m
4+940.00		5+032.39	(92.39 m)(2.50 m)	230.98 SQ. m
5+049.00		5+197.21	(148.21 m)(2.50 m)	370.53 SQ. m
5+217.05		5+242.40	(25.35 m)(2.50 m)	63.37 SQ. m
5+242.40		5+263.00	[(20.60 m)(2.50 m)] + [1/2(20.6 m)(1.45 m)]	66.44 SQ. m
5+263.00		5+335.00	[(72.00 m)(3.95 m)] - [1/2(72.0 m)(1.45 m)]	232.20 SQ. m
5+335.00		5+361.11	[(26.11 m)(2.50 m)] + [1/2(26.11 m)(0.74 m)]	74.94 SQ. m

TOTAL = 2,843.23 SQ. m

TOTAL = 2,689.09 SQ. m + 2,843.23 SQ. m = 5,532.32 SQ. m

ADDITIONAL WALK @ S.R.2 OVERPASS

STA. 3+769.91 TO STA. 3+837.20 (RT.)

STA. 3+791.30 TO STA. 3+858.70 (LT.)

SEE DETAIL SHT. 3

(67.29 m + 67.40 m)(8.3 m - 1.5 m) = 915.89 SQ. m

USE 916 SQ. m

+ 916.00 SQ. m

SIDEWALK IN DRIVE APRONS (SEE SHT. 61 FOR QUANTITIES)

- 802.10 SQ. m

* 5,646.22 SQ. m

USE 5,646 SQ. m

* DOES NOT INCLUDE EXTRA AREAS

ITEM 608 - WALKWAY MISC, 100 mm CONCRETE WALK

STATION	TO	STATION	CALCULATION	AREA
(NORTH OF CENTERLINE)		4+532.55	4+628.24	(95.69 m)(1.78 m) 170.33 SQ. m
(SOOUTH OF CENTERLINE)		4+522.65	4+607.69	(85.04 m)(1.78 m) 151.37 SQ. m

SEE DETAIL SHT. 6

TOTAL = 321.70 SQ. m

USE 322 SQ. m

CALCULATIONS

LAK-640-3.444

57
214