

Element Type	Unit Type	Flight (no.)	Width (mm)	Depth/Thickness (mm)	Length (mm)	Quantity
STEP UNIT	cGS1	1 (bottom)	310	30	1715	1
					1960	1
					2000	1
					1680	1
					1730	1
					1920	1
					2070	1
					1630	1
					1650	1
					2030	1
					2010	1
					1680	1
					1680	1
					1920	1
					1890	1
					1720	1
					1700	1
					1970	1
					1920	1
					1670	1
					1600	1
					2050	1
					1980	1
					1700	1
					1640	1
					2020	1
					1940	1
					1720	1
					1680	1
					1980	1
					2020	1
					1630	1
					1620	1
					2040	1
					1960	1
					1675	1
					1600	1
					2055	1
					1980	1
					1680	1
					1600	1
					2030	1
					1970	1
					1665	1
					1655	1
					2000	1
					1975	1
					1630	1
					1670	1
					1975	1
					2010	1
					1670	1
					1700	1
					1965	1
					2010	1
					1730	1
					1660	1
					1970	1
					1700	1
					1940	1
					1980	1
					1670	1
					1690	1
					2050	1
					2000	1
					1730	1
					1665	1
					2060	1
					2000	1
					1730	1
					1580	1
					2130	1
					2050	1
					1670	1
					1065	1
					2040	1
					2020	1
					1700	1
					1655	1
					2090	1
					2020	1
					1700	1
					1700	1
					2000	1
					2000	1
					1700	1
1700	1					
2000	1					
1700	1					
	86					

Element Type	Unit Type	Elevation (internal, from steps)	Width (mm)	Depth/Thickness (mm)	Length (mm)	Quantity
COPE UNIT	cGS1 (keystone)	East	240	170	340 (265)	1
					675	1
					785	1
					785	1
					765	1
					730	1
					630	1
					895 (760)	1
					740	1
					570	1
					340 (280)	1
					760	1
					800	1
					680	1
					640	1
					660	1
					750	1
					650	1
					530 (380)	1
					400	1
					510	1
					1130 (690)	1
					775	1
					650	1
					600	1
					730	1
					690	1
					750	1
					575 (475)	1
					1080	1
					640	1
					730 (630)	1
					560	1
					790	1
					750	1
					690	1
					840	1
					740	1
					650 (550)	1
					450	1
					710	1
					440 (380)	1
					800	1
					720	1
					830	1
					840	1
					630	1
					540	1
					670	1
					820 (730)	1
					490	1
					580 (500)	1
					720	1
					700	1
					615	1
					690	1
					660	1
					730	1
					750	1
					560 (460)	1
					640	1
					440	1
					650	1
	63					

Element Type	Unit Type	Elevation (internal, from steps)	Width (mm)	Depth/Thickness (mm)	Length (mm)	Quantity
FACE WALL UNIT	wGS1 (keystone)	East	200	270	730(20)	1
					220(600)	1
					710	1
					840	1
					770	1
					830	1
					810-880	1
					810	1
					670	1
					750	1
					600	1
					660	1
					790	1
					790	1
					800(430)	1
					780(725)	1
					745	1
					800	1
					720(630)	1
					690(500)	1
					730	1
					700	1
					720	1
					850	1
					680	1
					650	1
					740	1
					580	1
					640	1
					580	1
					760	1
					730	1
					700	1
					780(550)	1
					670(500)	1
					740	1
					640	1
					520	1
					690(610)	1
					710(460)	1
					730	1
					900	1
					900	1
					690	1
					800	1
					900	1
					900	1
					760	1
					830	1
					760	1
					700	1
					740(520)	1
					680(580)	1
					800	1
					680	1
					680	1
					790	1
					58	1
					770 (500)	1
					690 (550)	1
					750	1
					840	1
					750	1
					880	1
					750	1
					780	1
					750	1
					780	1
					750	1
					700	1
					700	1
					850	1
					780	1
					820	1
					950 (500,450)	1
					760 (710)	1
					700	1
					740	1
					670 (540)	1
					670 (550)	1
					840	1
					820	1
					750	1
					820	1
					880	1
					850	1
					720	1
					780	1
					880	1
					840	1
					750 (540)	1
					580 (430)	1
					610	1
					780	1
					800	1
					500 (440)	1
					640 (570)	1
					760	1
					830	1
					880	1
					830	1
					890	1
					790	1
					730	1
					700	1
					690	1
					700	1
					700	1
					810 (580)	1
					610 (480)	1
					700	1
					700	1
					740	1
					820	1
480	1					
	114					

Element Type	Unit Type	Elevation (internal, from steps)	Width (mm)	Depth/Thickness (mm)	Length (mm)	Quantity					
BASE COURSE WALL UNIT	wbGS1 (keystone)	East	200	200	650 (460)	1					
					1030	1					
					1040	1					
					830	1					
					920	1					
					1070	1					
					720	1					
					440	1					
					490	1					
					440	1					
					760	1					
					760	1					
					730	1					
					670	1					
					680	1					
					440	1					
					850(730)	1					
					850	1					
					735	1					
					800 (720)	1					
					920	1					
					800	1					
					800	1					
					580	1					
					720	1					
					710(570)	1					
					870	1					
					920	1					
							West			1130(940)	1
										770	1
										960	1
										980	1
										720	1
										1130(1100)	1
										800	1
										840	1
										600(560)	1
										770	1
										600	1
										760	1
										880	1
										740	1
										930(830)	1
										940	1
										680	1
										490(440)	1
										950	1
										820	1
										940	1
										680	1
										570	1
										770(660)	1
										800	1
										1020	1
	54										

UNITS CODING SYSTEM:
 sGS: Step unit / Grand Staircase
 cGS: Cope unit / Grand Staircase
 wGS: Wall unit / Grand Staircase
 wbGS: Base course unit / Grand Staircase
 swGS: Structural Wall base unit / Grand Staircase

LEGEND
 NOTES:
 For further detail information on the Grand Staircase, refer to:
 Grand staircase Existing Condition: Suitability for Reuse
 5442-LDA-00-ZZ-DR-L-8207
 Grand Staircase Proposed Arrangement
 5442-LDA-00-ZZ-DR-L-8208
 Conservation Statement and Addendum
 5442-LDA-00-XX-RT-Z-9006
 Existing and Proposed Layout
 5442-LDA-00-ZZ-DR-L-1002 to 1005
 Landscape Levels
 5442-LDA-00-ZZ-DR-L-1006 to 1009

READ THIS FIRST
 Note for Contractors
 This drawing should be considered along with the risk information contained in the CDM Pre Construction Information. This information will include details of the SIGNIFICANT risks which LDA Design has identified which may arise from constructing their designs shown on this drawing. A Competent Contractor should be aware of the typical risks associated with doing this work.
 Note for Workers
 DO NOT START YOUR WORK unless you know the Risks and Controls relating to the work on this drawing (including SAFE SEQUENCES OF WORK and EQUIPMENT).
 Do not issue copies of parts of this drawing without the above Note for Workers (unless you are sure that the Workers can undertake the work safely).

C1	Construction Issue	RW	19.08.2020
A	PLANNING ISSUE	KT	01.11.19

LDĀ DESIGN
 PROJECT TITLE
 UNION TERRACE GARDENS

DRAWING TITLE
 Grand Staircase
 Existing Condition: Units Dimension Schedule

ISSUED BY	Glasgow	T: 0141 222 9780
DATE	Oct 2019	DRAWN MGu
SCALE/RA1	Not to scale	CHECKED RW
STATUS	Construction	APPROVED KT

DWG. NO 5442-LDA-00-ZZ-DR-L-8206-C
 No dimensions are to be scaled from this drawing. All dimensions are to be checked on site. Area measurements for indicative purposes only.
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 Sources Ordnance Survey

PROPOSED GRAND STAIRCASE - DESIGN INTENT
 Full extent of the historic Grand Staircase to be carefully taken down/de-mounted and all component parts taken to storage and sorted into like type elements for future re-use.
 Site dimensions, by LDA Design are best approximation due to existing condition of elements, joints and accumulation of detritus.
 The site dimensions have been used to determine the proposed principles and extent of re-use.
 Final dimensions and number of reusable units to be confirmed, by the Contractor, after component parts have been sorted, cleaned and dressed, prior to proceeding with any works connected with the reconfiguration of the Grand Staircase.
 All stone elements to be carefully photographed and individually numbered/scheduled, as downtakings proceed, prior to careful removal to storage, at a location to be agreed with ACC.
 Reconstruction of the new Grand Staircase will use a combination of re-used and new stone as indicated on drawing 5442-LDA-00-ZZ-DR-L-8208.
 Sections and elevations showing the new arrangement including new and re-used elements to be prepared by the Contractor, once validation of the exact quantities and dimensions of salvaged stone is available.

ADDITIONAL NOTES:
STEP UNITS
 Historical movement evident by cracking of landing slabs and stair granite treads.
 The measured survey shows a variety of dimensions across the steps: in particular the depth of the units are not consistent. Unit sizes are typically 140mm rise, but many are 130mm rise.
 A number of steps are particularly worn and uneven, with some roughly cropped to suit the required dimensions.
 Joint sizes are significantly uneven and irregular, and not consistent; with clear evidence of re-pointing having been undertaken on a number of occasions.
 Following the visual and measured surveys the recommendation is that the new step units are to be constructed from new stone to ensure consistent and compliant sizes.
 The step units will be considered for re-use elsewhere, if appropriate and suitable condition e.g. kerb edge to central lawn. Re-use subject to further assessment following downtakings.
COPE UNITS
 The measured survey has indicated that there should be sufficient cope units, from the existing Grand Staircase, that can be re-used for three new flights of stairs (Flights 3, 4 and 5).
 The cope units for the three other flights will be formed from salvaged balustrade cope units e.g. Rosemount Plaza (Flights 1, 2 and 6).

FACING WALL UNITS
 The measured survey has indicated that there should be sufficient wall units, from the existing Grand Staircase, that can be re-use for four new flights of stairs (Flights 2, 3, 4 and 5).
 The remaining two flights will require the walls to be constructed from new stone, to match the existing (Flights 1 and 6).
 The remaining three flights will require the base courses to be constructed from new stone, to match the existing (Flights 1,2 and 6).
PILLARS
 All the stone pillars will require to be constructed from new stone. Colour and finish to be confirmed.
STRUCTURAL WALL STONE
 The stone forming the structural base of the Grand Staircase is not required for the reconfiguration of the new staircase.
 The proposed ground/levels will be graded to follow the new staircase profile.
 The existing wall stone could be considered for potential reuse, if appropriate.

Not to scale

