# **C: Standard Drawings**

City of Sydney Town Hall House 456 Kent Street Sydney NSW 2000

Version 5: December 2019

**Details** 





# CITY OF SYDNEY 🕑

Activity	Description	Drawing No
C1 Kerb & Gutt	ter	-
Kerb & Gutter	Stone Kerb with concrete gutter	1.1.1
	Cast in-situ Kerb & Gutter Details	1.1.2
	Stone Kerb Profiles – Deep Embedment	1.1.3
	Stone Kerb Sections – Deep Embedment	1.1.4
	Stone Kerb Profiles – Shallow Embedment	1.1.5
	Stone Kerb Sections – Shallow Embedment	1.1.6
	Stone Kerb Layback Profiles	1.1.7
	Stone Kerb Layback Sections	1.1.8
	Stone Kerb for Pedestrian Ramp (Adjacent Garden)	1.1.9
	Cycleway Median Strip Profiles and Section	1.1.10
	Typical Stone Gutter Detail	1.1.11
	Stone Lintel – Granite and Blue Stone	1.1.12
	Stone Lintel – Sandstone	1.1.13
	Kerb Stormwater Outlets	1.1.14
	Edge Detail – Stone Kerb to Rain Garden	1.1.15
	Road Restoration Adjacent to Kerb & Gutter Works	1.1.16
C2 Footways		
General	Pedestrian Ramps in Relation to Intersections	2.1.1
Footpath	Typical One Part Pit Cover	2.1.2
	Typical Multi Part Pit Cover	2.1.3
	Sewer & Stormwater Pit Infill Cover	2.1.4
	Service Valve Cover Detail	2.1.5
	Service Pit Edge Detail	2.1.6
	Structural Soil	2.1.7
	Property Ownership Interface Location	2.1.8
	Tree Grate and Guard (George Street Pedestrianised Area)	2.1.9
Granite Paving	General Arrangement Plan	2.2.1
	General Arrangement Plan (Facetted)	2.2.2
	Corner Arrangement Plan (Typical)	2.2.3
	Junctions	2.2.4
	Joints	2.2.5
	Pedestrian Ramp (Typical)	2.2.6
	Pedestrian Ramp (Pyrmont / Ultimo Special)	2.2.7



Granite Paving	Pedestrian Ramp (Adjacent Garden)	2.2.8
(Continued)	Paving Around Light Poles and Smartpoles	2.2.9
	Vehicular Crossing	2.2.10
	Stormwater Valley Drain	2.2.11
	Stainless Steel Grating to Drainage Pit	2.2.12
	General Arrangement Plan (George St Pedestrian Zone)	2.2.13
	General Arrangement Plan (George St Pedestrian Zone Station)	2.2.14
	General Arrangement Plan (George St Pedestrian Zone Intersection)	2.2.15
	Paving at Valley drain (George St Pedestrian Zone)	2.2.16
	Tree Pit Configurations (George St Pedestrian Zone)	2.2.17
	Preferred Tree Pits Arrangement (George St Pedestrian Zone)	2.2.18
	Alternative Tree Pit Arrangement (where Structural Cells Not Feasible)	2.2.19
Concrete Unit	General Arrangement Plan	2.3.1
Paving	General Arrangement Plan (Facetted)	2.3.2
	Corner Arrangement Plan (Typical)	2.3.3
	Junctions	2.3.4
	Joints	2.3.5
	Pedestrian Ramp (Typical)	2.3.6
	Pedestrian Ramp (Adjacent Garden)	2.3.7
	Paving Around Light Poles and Smartpoles	2.3.8
	Vehicular Crossing	2.3.9
	Stormwater Valley Drain	2.3.10
	Stainless Steel Grating to Drainage Pit	2.3.11
	Tree Pit Arrangement	2.3.12
Brick Paving	General Arrangement Plan	2.4.1
	Corner Arrangement Plan (Typical)	2.4.2
	Junctions	2.4.3
	Pedestrian Ramp (Typical)	2.4.4
	Pedestrian Ramp (Adjacent Garden)	2.4.5
	Residential Vehicular Crossing	2.4.6
	Commercial (Light) Vehicular Crossing	2.4.7
	Commercial / Industrial Vehicular Crossing	2.4.8
Asphalt Paving	General Arrangement Plan	2.5.1

# CITY OF SYDNEY 🕑

	Typical Sections	2.5.2
	Pedestrian Ramp	2.5.3
	Pedestrian Ramp (Adjacent Garden)	2.5.4
	Residential Vehicular Crossing	2.5.5
	Commercial (Light) Vehicular Crossing	2.5.6
	Commercial / Industrial Vehicular Crossing	2.5.7
	Edge Detail – Grass/Garden	2.5.8
	Edge Detail – Tree Bed	2.5.9
Concrete Paving	Insitu Concrete Pavement Plan – No Planting on Boundary	2.6.1
	Insitu Concrete Pavement Plan – Planting on Boundary	2.6.2
	Junctions	2.6.3
	Joints	2.6.4
	Pedestrian Ramp	2.6.5
	Pedestrian Ramp (Adjacent Garden)	2.6.6
	Paving Around Light Poles and Smartpoles	2.6.7
	Vehicular Crossing	2.6.8
TGSI	Typical Layout – Top of Ramp Within 3000mm from Building Line	2.7.1
	Typical Layout – Top of Ramp Beyond 3000mm from Building Line	2.7.2
	Typical Layout – Skewed Building Lines	2.7.3
	Materials & Installation Details	2.7.4
Continuous Footpath Treatments	Typical Layout	2.8.1
C3 Roadways		
Road	Typical Pavement Details	3.1.1
Pavements	Trafficable Joints – Plan	3.1.2
	Trafficable Joints – Expansion and Contraction Joints	3.1.3
	Trafficable Joints – Construction Joint	3.1.4
	Edge Detail – Concrete Road to Concrete K&G	3.1.5
	Stone Sett Pavement	3.1.9
	Concrete Unit Pavement	3.1.10
	Flush paving pedestrian crossing	3.1.11
	Road Intersection Ramps (George St Pedestrian Zone)	3.1.12



PCTC	Raised Platform – Asphalt	3.2.1
	Raised Platform – Concrete	3.2.2
	Raised Platform – Paver In-Fill	3.2.3
	Raised Platform – Asphalt with Concrete Ramps	3.2.4
C4 Street Furni	iture	
Fixtures	Typical Layouts - Fixture Alignments	4.1.1
Seats	Seat - Sheet 1	4.2.1
	Seat - Sheet 2	4.2.2
Rubbish bins	Bin Enclosure	4.3.1
Bollards	Anti-Vehicular Bollard - Fixed	4.4.1
	Solid Bollard	4.4.2
	Heritage	4.4.3
Bubblers	Bubbler Installation Detail	4.5.1
C5 Street Light	ing	
General	Conduits in footway and carriageway	5.1.1
	"Rocks" Type Column Including Footings – (Not In	5.1.2
	Three Phase Switchbox Details and Schematics (Sheet	540
	1)	5.1.3
	Three Phase Switchbox Details and Schematics (Sheet 2)	5.1.4
	Conduit Arrangement at Pole Base	5.1.5
	General Lighting Pit Arrangement	5.1.6
	Single Phase Switchbox Details and Schematics (Sheet 1)	5.1.7
	Single Phase Switchbox Details and Schematics (Sheet 2)	5.1.8
C6 Road Signa	ge and Pavement Markings	
Pavement Markings	Car Share Line Marking	6.1.1



Signage	Standard Street Name Blades	6.2.1
	Sign Post Installation	6.2.2
Tactile/Braille	Materials & Colours	6.3.1
Signage	Placement	6.3.2
C7 Stormwater	Assets	
Pits & Pipes	Standard Gully Pit With Extended Kerb Inlet	7.1.1
	Standard Gully Pit With Stone Inlet	7.1.2
	Double Grate/Lintel Pit With Stone Inlet	7.1.3
	Standard Extended Gully Pit	7.1.4
	Trapped Gully Pit With Extended Kerb Inlet	7.1.5
	Trapped Gully Pit with Stone Inlet	7.1.6
	Standard Junction Pit	7.1.7
	Bandage Joint	7.1.8
	Typical Pipe Trench Backfill	7.1.9
	Typical Culvert Trench Backfill	7.1.10
	Junction Pit with Infill Lid	7.1.11
	High Flow CBD inlet Pit (Stone kerb)	7.1.12
	Standard Surcharge Pit (Stone kerb)	7.1.13
Pits & Pipes	Standard Kerb Inlet Pit At Station	7.1.14
(Continued)	Slotted Inlet Drain Under Seat	7.1.15
	Slotted Inlet Drain Under Bicycle Parking Layout	7.1.16
	Slotted Inlet Drain Under Bicycle Parking Reinforcement	7.1.17
	Boundary Downpipe Rodding Pit	7.1.18
	Standard Step Irons	7.1.19
Raingardens	Setout Plan – Example Typical Scenario	7.2.1
	Lined	7.2.2
	Lined – Submerged zone	7.2.3
	Unlined	7.2.4
	Unlined – Undrained – (Not In Use)	7.2.5
	Terrace Raingarden	7.2.5
	Dissipation Rocks – (Not In Use)	7.2.6
	Raingarden Direct Inflow Weir & Calming Basin Direct Entry	7.2.6
	Standard Surcharge Pit	7.2.7

		1		
	Gutter Bridge Details	7.2.8		
	Surcharge Inlet Pit – (Not In Use)	7.2.9		
	Dissipation Rocks Small Kerb Outlets High End Riser			
	Gutter Bridge – Inlet Weir and Outlet Dissipation Rocks	7.2.11		
	Raingarden Inlet Pit Parallel to the Road	7.2.12		
	Raingarden with Kerbdrain & Standard Drainage Pit as Bypass	7.2.13		
	Setout Plan with Direct Side Inlet	7.2.14		
	Swale System – General Arrangement No Drainage in Vicinity	7.2.15		
C8 Survey Mar	ks			
Permanent	Survey Marks in Carriageway	8.1.1		
Survey Marks	Survey Marks in Footpath Only	8.1.2		
	Cover Box in Carriageway – 70mm	8.1.3		
	Cover Box in Carriageway – 120mm	8.1.4		
C9 Pavement F	Restoration			
Pavement	Typical Temporary Trench Restoration Details	9.1.1		
Restoration	Typical Permanent Footway Trench Restoration	9.1.2		
	Typical Permanent Road Trench Restoration – Asphalt & Concrete	9.1.3		
	Typical Permanent Trench Restoration - Paved	9.1.4		





BARRIER KERB		MOUNTABLE KERB		
		$\wedge$		
A				
			$\sim$	
				$\nearrow$
1200/135		120		с
			1350	<u> </u>
<ul> <li>KERB PROFILE:</li> <li>TYPE K(F) - FULL HEIGHT</li> </ul>		<ul> <li>KERB PROFILE:</li> <li>TYPE MK(F) - FULL HEIGHT (</li> </ul>	SHOWN)	
TYPE K(FR) - FULL HEIGHT/ TO F	KERB RADIUS (SIMILAR)	• TYPE M(FR) - FULL HEIGHT/	TO KERB RADIUS (SIMILAR)	
KERB RAMP WING		VEHICULAR CROSSING	WING	
ТАРЕ	ERING KERB 100mm			
A	END OF CHAMFER	A		
		905		
10	1/00	00		
1900 TYP				
	→ B		$\sim$	
KERB PROFILE:	$\sim$	KERB PROFILE:		
<ul> <li>TYPE K(KRF) - PEDESTRIAN CHA</li> <li>TYPE K(KRFR) - PEDESTRIAN CHA</li> </ul>	MFERED TO FALL IAMFERED TO	<ul> <li>TYPE K(VCF) - CHAMFERED</li> <li>TYPE K(KRFR) - CHAMFEREI</li> </ul>	TO FALL ) TO FALL/TO KERB RADIUS (SIM	/ILAR)
FALL/TO KERB RADIUS (SIMILAR	1)			
В				
MIN. 750	в			
MAX. 1200		MIN		
		MAX. 12		
KERB PROFILE:		KERB PROFILE:		
TYPE K(KR) - PEDESTRIAN CRO     TYPE K(KRR) - PEDESTRIAN CRO	DSSOVER TYPE/TO RADIUS	<ul> <li>TYPE K(VC) - VEHICULAR CH</li> <li>TYPE K(VCR) - VEHICULAR CH</li> </ul>	ROSSOVER TYPE ROSSOVER TYPE/TO RADIUS (S	SIMILAR)
(SIMILAR)				
NOTES				
1. FOR KERB RADII OF LESS THA	N 7.5m, STONE TO BE CUT TO MATCH ALIGI	NMENT.		
USE RADII OF EITHER 750mm,	1m, 3m, 6m OR 7.5m WHERE POSSIBLE.			
SCALE 1:20				
		NOTE: ALL DIMENSIONS IN MI	LLIMETRES UNLESS OTHERWISE	E STATED
PITV NE OVNNIEV 🕰	KERB & GUTTER		Rev D	K&G
	STONE KERB PROFILES - DEE	EP EMBEDMENT	Date 01.12.19	<b>1</b> . <b>1</b> . <b>3</b>
	I		hyphoten 1.0	



### BARRIER KERB

# E 1200|1350 E

KERB PROFILE:

- TYPE K(F) FULL HEIGHT
- TYPE K(FR) FULL HEIGHT/TO KERB RADIUS (SIMILAR)

#### MOUNTABLE KERB



KERB PROFILE:

- TYPE MK(F) FULL HEIGHT (SHOWN)
- TYPE MK(FR) FULL HEIGHT ON KERB RADIUS (SIMILAR)



KERB PROFILE:

- TYPE K(KRF) PEDESTRIAN CHAMFERED TO FALL
- TYPE K(KRFR) PEDESTRIAN CHAMFERED TO FALL/TO KERB RADIUS (SIMILAR)

# KERB RAMP



KERB PROFILE:

- TYPE K(KR) PEDESTRIAN CROSSOVER TYPE
- TYPE K(KRR) PEDESTRIAN CROSSOVER TYPE/TO KERB RADIUS (SIMILAR)

## NOTES

CI

1. FOR KERB RADII OF LESS THAN 7.5m, STONE TO BE CUT TO MATCH ALIGNMENT. USE RADII OF EITHER 3m, 6m OR 7.5m WHERE POSSIBLE.

SCALE 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

FY OF SYDNEY 🕀	KERB & GUTTER	Rev	D	K&G
	STONE KERB PROFILES - SHALLOW EMBEDMENT	Date Approved	01.12.19 P S	1.1.5





## LAYBACK KERB 01 TO CYCLEWAY : LK1VC





SECTION 1:20





300mm WIDE KERB



## NOTES:

1. FOR SANDSTONE KERBS, A 25mm BULL NOSE ARRIS IS REQUIRED INSTEAD OF CHAMFERED CORNER.

2. ALL CORNERS TO HAVE 1mm ARRIS.

#### SECTION 1:10

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NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

V NE QVNNEV 🙉	KERB & GUTTER	Rev	D	K&G
	STONE KERB LAYBACK PROFILES	Date Approved	01.12.19 P S	1.1.9



SECTION 1:10	Imp       I	I MILLIMETRES U	nm THICK DRTAR SETTING Dmm THICK 25MPa NCRETE FOOTING
CITY OF SYDNEY 🕀	KERB & GUTTER TYPICAL STONE GUTTER DETAIL	Rev Date Approved	K&G           D         Dwg No.           01.12.19         Dwg No.           P S         1.1.11
	TYPICAL STONE GUTTER DETAIL	Date Approved	01.12.19 PS <b>1.1.11</b>

150

FOOTWAY AS SPECIFIED -

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SINGLE OR DOUBLE STONE TO MATCH EXISTING CONDITION

TTTTA

77

- ROAD SURFACE





















SECTION 1:5

	GENEBAL FOOTPATH		FOO	TWAYS
CITY OF SYDNEY 👁	SERVICE VALVE COVER DETAIL	Rev Date Approved	D <i>01.12.19</i> P S	Dwg No. 2.1.5

NOTE: ALL DIMENSIONS IN MILLIMETRES LINEESS OTHERWISE STATED



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STAT				SE STATED	
CITY OF SYDNEY 🕀	GENERAL FOOTPATH STRUCTURAL SOIL		Rev Date Approved	FOOT D 01.12.19 P S	WAYS Dwg No. 2.1.7
		·			



EXTENT OF STRUCTURAL SOIL





SECTION 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY 🕑

GENERAL FOOTPATH PROPERTY OWNERSHIP INTERFACE LOCATION 
 FOOTWAYS

 Rev
 D
 Dwg No.

 Date
 01.12.19
 Dwg No.

 Approved
 P S
 2.1.8
























		TYPICAL 4 DRAINAG	450mm SQ FOOTPATH GRATED E PIT WITH S/S GRATING UNDER SHOWN DASHED
	G	ALIGN GF	ATE AND FRAME TO OF PAVEMENT BAND
		КЕКВ	
PLAN 1:20 30mm THICK N		S/S GRATED DRAIN. LOCK DOWN, NON-SLIP. 75 x 50 x 5mm 75 x 50 x 5mm TO FRAME. B	n ANGLE FRAME n S/S CONCRETE TIE WELDED IOLT TO CONCRETE SLAB.
		AS REQUIRED	D BY SERVICE AUTHORITY.
PIT LOCATION MIN	IMUM PIT AND GRATE CLASS		
FOOTWAY	C (PEDESTRIAN SAFE)		
ROADWAY	D (CYCLE SAFE)		
DRIVEWAY	D (PEDESTRIAN SAFE)		
SECTION 1:5			II I IMETRES UNI ESS OTHERWISE STATED
		HOTE. ALL DIVIENDIONS IN M	FOOTWAYS
CITY OF SYDNE	Y I STAINLESS STEEL GRA	TING TO DRAINAGE PIT	RevDDwg No.Date01.12.192 2 12



Y OF SYDNEY 🕀	GRANITE PAVING		FOOTWAYS		
	GENERAL ARRANGEMENT PLAN (GEORGE ST PEDESTRIAN ZONE)	Rev Date Approved	D 01.12.19 P S	Dwg No. 2.2.13	

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## CITY OF SYDNEY ④

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 2.2.1, 2.2.18 & 2.2.19

1. THE VOLUME OF STRUCTURAL CELLS OR STRUCTURAL SOIL DOES NOT NEED TO BE REGULAR IN SHAPE. SHAPE MAY BE ADJUSTED BASED ON SPECIFIC SITE CONSTRAINTS IN ORDER TO ACHIEVE THE REQUIRED SOIL VOLUMES.

NOTE:

## LINKED TREE PIT PLAN

REFER TO DRAWING 2.2.1 FOR GRANITE PAVING



## SINGLE TREE PIT PLAN

REFER TO DRAWING 2.2.1 FOR GRANITE PAVING

TREE GRATE AS SPECIFIED
EXTENT OF MODULAR STRUCTURAL CELLS OR STRUCTURAL SOIL UNDER TO BE NOT LESS THAN 30m































## BRICK PAVING CORNER ARRANGEMENT PLAN













CITY OF SYDNEY 🕚	BRICK PAVING	FOOTWAY		WAYS
	COMMERCIAL (LIGHT) VEHICULAR CROSSING	Rev Date Approved	D 01.12.19 P S	Dwg No. 2.4.7




## **TYPICAL FOOTPATH SECTION - FLEXIBLE BASE**



**TYPICAL FOOTPATH SECTION - RIGID BASE** 









Approved

2.5.5







SECTION 1:10



NOTES:

- 1. ALL STEELWORK TO BE HOT DIPPED GALVANISED.
- 2. ALL STEELWORK BELOW GROUND LEVEL TO BE
- PAINTED WITH TWO COATS OF BITUMINOUS PAINT.

	NOTE: ALL DIMENSIONS IN MIL	LIMETRES U	NLESS OTHERWIS	SE STATED
CITY OF SYDNEY 👁	ASPHALT PAVING EDGE DETAIL - GRASS/GARDEN	Rev Date Approved	FOOT D 01.12.19 P S	WAYS Dwg No. 2.5.8





















	TGSI		FOOTPATH		
SYDNEY 🕀	TYPICAL LAYOUT TOP OF RAMP WITHIN 3000MM FROM BUILDING LINE	Rev Date Approved	D 01.12.19 P S	Dwg No. <b>2.7.1</b>	

CITY OF S



TYPE AND COLOUR OF TGSI'S SHALL BE IN ACCORDANCE WITH CITY OF SYDNEY'S TECHNICAL SPECIFICATIONS UNLESS SPECIFIED FOR THE PROJECT. REFER TO DRAWING# 2.7.4 FOR THE COLOUR AND TYPES.

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3. DIFFERENT COLOURS AND TYPES OF TGSI'S MAY BE USED FOR SPECIFIC PROJECTS, IN WHICH CASE CITY OF SYDNEY'S APPROVAL MUST BE OBTAINED IN THE DESIGN PHASE. NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

	TGSI	FOOTPATH			
OF SYDNEY	TYPICAL LAYOUT TOP OF RAMP BEYOUND 3000MM FROM BUILDING LINE	Rev Date Approved	D 01.12.19 P S	Dwg No. <b>2.7.2</b>	



	IGSI		FOOIPAIH		
SVONEV 📾 🛛	ΤΥΡΙΩΔΙ Ι ΔΥΟΙ ΙΤ	Rev	D	Dwa No.	
		Date	01.12.19	070	
	SKEWED BOUNDARY LINES	Approved	PS	2.7.3	

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## TGSI /TACTILE INDICATORS MATERIAL

Item	Base Surface	Background Surface	Tactile Type
1	Granite	Granite	Stainless Steel
2	Brick Pavers	Concrete	Stainless Steel
3	Concrete Pavers	Concrete/Concrete Pavers	Stainless Steel
4	Asphalt	Concrete	Stainless Steel
5	Concrete	Concrete coloured in with black oxide	Stainless Steel

PLAN



## TGSI INSTALLATION DETAIL FOR CONCRETE PAVERS/BRICK PAVERS/ ASPHALT



		1.	
1031	Rev	D	Dwg No
MATERIALS AND INSTALLATION DETAILS	Date	01.12.19	Dwg No.
	Approved	PS	2.7.4



EY  CONTINUOUS FOOTPATH TREATMENTS TYPICAL LAYOUT Rev Date Appr	e D De 01.12 Deroved PS	Dwg No. 2.8.1	
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## RIGID ROAD PAVEMENT (ASPHALT SURFACE OPTIONAL)



CITY OF SYDNEY		ROAD PAVEMENTS TRAFFICABLE JOINTS - PLAI	N		Rev Date Approved	D 01.12.19 P S	DWAYS Dwg No. 3.1.2
SCALE 1:100		I	NOTE: A	LL DIMENSIONS IN MIL	LIMETRES U	JNLESS OTHER	WISE STATED
<ol> <li>TRANSVERSE EXPAN MAXIMUM SPACING</li> <li>TRANSVERSE CONTE MAXIMUM SPACING</li> <li>CONSTRUCTION JOI WHEN JOINING ONTE</li> </ol>	ISION JO ON CON RACTION ON CON NTS SHA	DINTS SHALL BE PLACED AT 20m TINUOUS PAVEMENT. N JOINTS TO BE PLACED AT 5m TINUOUS PAVEMENT. ALL BE PLACED AT WORK EXTENTS CENT RIGID PAVEMENTS.					
NOTES		5000 TYP	-	5000 TYP			
	•	(EJ)					
					5000 TYP		
20000		(CJ)	DIRECTION		5000 TVP		
(XMAX)	(CJ)	(CJ)	DF TRAVEL	5	5000 TYP		
		(CJ)			5000 TYP		

(EJ)



CONSTRUCTION JOINT (DCJ)



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

	ROAD PAVEMENTS	RC		WAYS
CITY OF SYDNEY 🕲	TRAFFICABLE JOINTS - CONSTRUCTION JOINT	Rev Date Approved	D 01.12.19 P S	Dwg No. 3.1.4










































CITY OF S	SYDNEY 🕘
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GENERAL			LIGHTING
THREE PHASE SWITCHBOARD DETAILS & SCHEMATICS (SHEET 2)	Rev Date Approved	D 01.12.19 P G	Dwg No. 5.1.4













## TEXT ALIGNMENT PLAN

SCALE 1:25

## NOTES

- 1. TEXT HEIGHTS AND WIDTHS AS SHOWN.
- TEXT SHALL BE CENTRALLY LOCATED. 2.
- TEXT SHALL BE IN GREEN LETTERING ON A WHITE BACKGROUND З. WITH A 100mm WIDE WHITE BORDER.
- 4. CHEVRON MARKING SHALL BE 400mm WIDE GREEN STRIPS WITH 100mm WIDE WHITE LINES AS SHOWN. CHEVRON LINES SHALL BE AT A 45° ANGLE TO THE KERB AS 5.
- SHOWN. ALL DIMENSIONS ARE IN UNIT MILLIMETRES.
- 6.
- 7. MARKING SHALL BE ALIGNED FLUSH WITH GUTTER LIP.



OVERALL PLAN

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

PITV NE QVNNIEV 🙉	PAVEMENT MARKING	Rev	D	SIGNAGE
		Date	01.12.19	Dwg No.
	CAR SHARE LINE MARKING	Approved	PS	6.1.1
				0.1.1









CITY	<b>OF SYDNEY</b>	
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## TACTILE/BRAILLE SIGNAGE MATERIALS & COLOURS

Rev	D
Date	01.12.19
Approved	ΡS



	TACTILE/BRAILLE SIGNAGE		FO	OTPATH
UF SYDNEY 🔮	PLACEMENT	Rev Date Approved	D 01.12.19 P S	Dwg No. 6.3.2

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RAINGARDENS		L	JRAINAGE
RAINGARDEN WITH KERBDRAIN & STANDARD DRAINAGE PIT AS BYPASS	Rev Date Approved	D 01.12.19 P S	Dwg No. 7.2.13

CITY OF SYDNEY 🕑









Notes:

1. Minimum size of concrete 460mm deep by 380mm square and enlarged at the bottom. Where solid rock is met the depth may be varied.

2. In localities where the ground is unstable the dimensions must be increased.

3. The stainless steel pin is to protrude 50mm above the surface of the concrete block.

4. The buffer course is to be a 50mm layer of crushed brick, gravel or coarse sand.

SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

			SURVEY I	MARKS
CITY OF SYDNEY 🕲	SURVEY MARKS IN FOOTPATH ONLY	Rev Date Approved	D 01.12.19 P S	Dwg No. 8.1.2





Notes:

1. Minimum size of concrete 460mm deep by 380mm square and enlarged at the bottom. Where solid rock is met the depth may be varied.

2. In localities where the ground is unstable the dimensions must be increased.

3. The stainless steel pin is to protrude 50mm above the surface of the concrete block.

4. The buffer course is to be a 50mm layer of crushed brick, gravel or coarse sand.

SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY 👁	PERMANENT SURVEY MARKS 120mm COVER BOX IN CARRIAGEWAY	Rev Date	SURVEY D 01.12.19	MARKS Dwg No.
		Approved	PS	8.1.4

## TEMPORARY RESTORATION FOR ALL ROAD AND FOOTPATH



## NOTES:

- MINIMUM RESTORATION WIDTH 0.6 m FOR ASPHALT ROAD AND 1.0 m FOR CONCRETE ROAD 1.
- 2. MINIMUM RESTORATION WIDTH 0.6 m FOR ASPHALT FOOTPATH AND 0.6 m FOR CONCRETE FOOTPATH
- З. REFER TO ANNEXURE A OF SECTION B12 ROAD OPENINGS AND RESTORATION FOR MORE DETAILS.
- 4. FOR NEW SERVICES MINIMUM 1200 mm CLEARANCE FROM INVERT OF GUTTER.

**PAVEMENT RESTORATION** 

ROADS AND FOOTPATH)

TYPICAL TEMPORARY TRENCH RESTORATION DETAILS

## CITY OF SYDNEY ④

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED Т

PAVEN	1ENT RES	IORATION
Rev	D	Dwa No.
Date	01.12.19	011
Approved	ΡS	9.1.1
	PAVEN Rev Date Approved	PAVEMENT RES Rev D Date 01.12.19 Approved PS

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	ROAD PAVEMENT RESTORATION	PAVEN	IENT REST	ORATION
CITY OF SYDNEY 🕲	TYPICAL PERMANENT ROAD TRENCH RESTORATION - ASPHALT & CONCRETE	Rev Date Approved	D <i>01.12.19</i> P S	Dwg No. <b>9.1.3</b>

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