

**Revision 7** 

July 2025



## Index

Activity	Description	<b>Drawing No</b>
C1 Kerb & Gutte	er	
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
	Cycleway Stone Separator Installation Details	1.1.17
22 Footways		
Seneral	Pedestrian Ramps in Relation to Intersections	2.1.1
ootpath	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 – (Not in Use)	2.1.7
	Property Ownership Interface Location	2.1.8
	Tree Grate and Guard	2.1.9
	Typical Footpath Layout With Garden Beds And Tree Pits	2.1.10
Franite 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

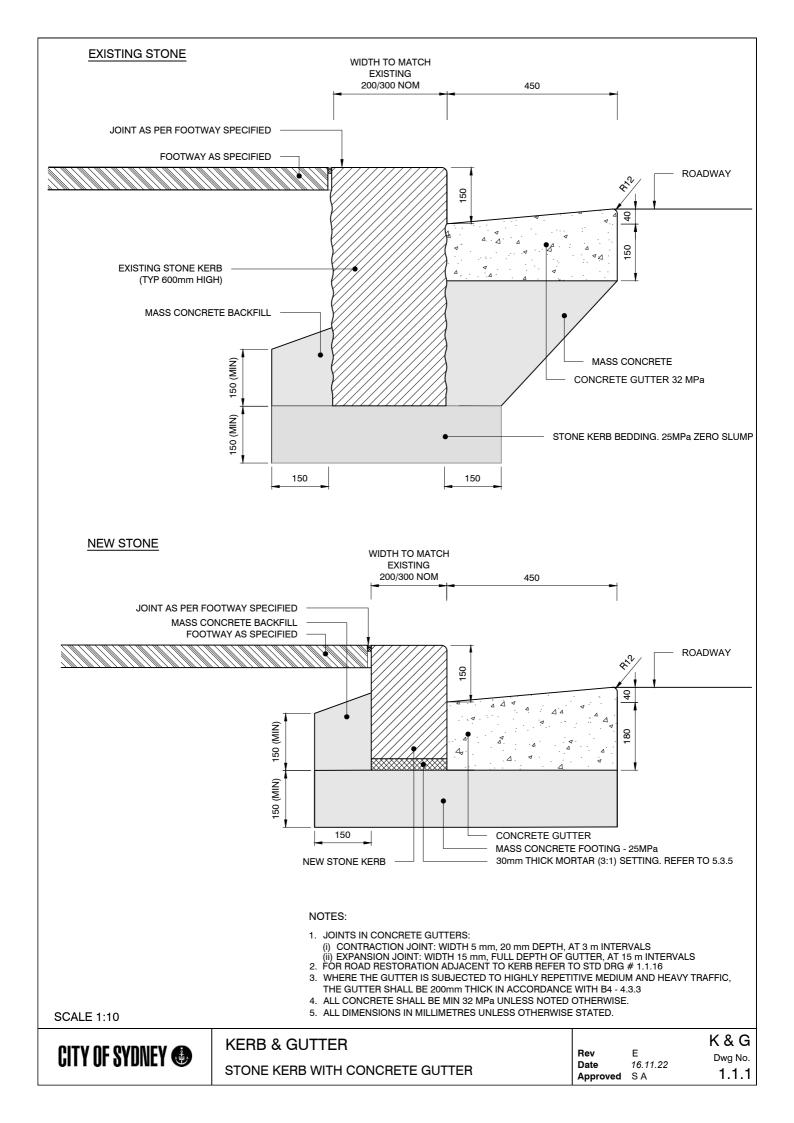
Granite Paving (Continued)	Pedestrian Ramp (Typical)	2.2.6
	Pedestrian Ramp (Pyrmont / Ultimo Special)	2.2.7
	Pedestrian Ramp (Adjacent Garden)	2.2.8
	Paving Around Light Poles and Smartpoles	2.2.9
	Vehicular Crossing	2.2.10
	Stormwater Valley Drain	2.2.11
	Stainless Steel Grating to Drainage Pit	2.2.12
	General Arrangement Plan (George St Pedestrian Zone) – (Not in Use)	2.2.13
	General Arrangement Plan (George St Pedestrian Zone Station) – (Not in Use)	2.2.14
	General Arrangement Plan (George St Pedestrian Zone Intersection) – (Not in Use)	2.2.15
	Paving at Valley drain (George St Pedestrian Zone)  – (Not in Use)	2.2.16
	Tree Pit Configurations (George St Pedestrian Zone) – (Not in Use)	2.2.17
	Preferred Tree Pits Arrangement (George St Pedestrian Zone) – (Not in Use)	2.2.18
	Alternative Tree Pit Arrangement (where Structural Cells Not Feasible) – (Not in Use)	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  – (Not in Use)	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

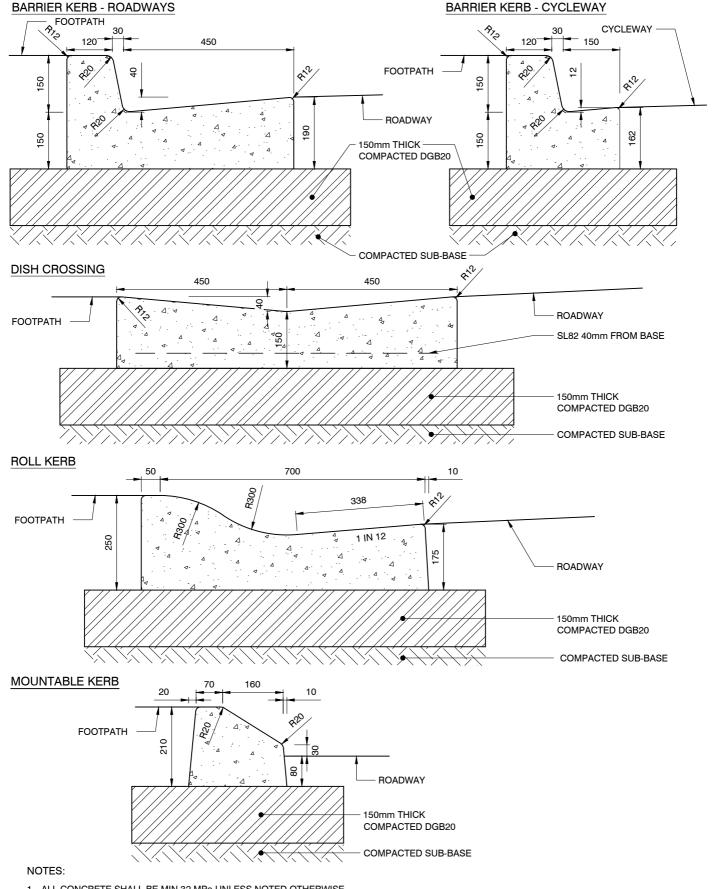
Asphalt Paving	General Arrangement Plan	2.5.1
	Typical Sections	2.5.2
	Pedestrian Ramp	2.5.3
	Pedestrian Ramp (Adjacent Garden)	2.5.4
	Residential Vehicular Crossing	2.5.5
	Commercial (Light) Vehicular Crossing	2.5.6
	Commercial / Industrial Vehicular Crossing	2.5.7
	Edge Detail – Grass/Garden	2.5.8
	Edge Detail – Tree Bed	2.5.9
Concrete	Insitu Concrete Pavement Plan – No Planting on Boundary	2.6.1
Paving	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	Typical Layout	2.8.1
Treatments	Concrete Footpath - Section and Details	2.8.2
	Granite / Concrete Pavers Footpath - Section and Details	2.8.3
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
	Typical Temporary Trench Restoration Details  –(Not in Use)	3.1.6
	Typical Permanent Road Trench Restoration – Asphalt & Concrete – (Not in Use)	3.1.7
	Typical Permanent Road Trench Restoration – Paved – (Not in Use)	3.1.8
	Stone Sett Pavement	3.1.9

Road Pavements	Concrete Unit Pavement	3.1.10
	Flush paving pedestrian crossing	3.1.11
(Continued)	Road Intersection Ramps (George St Pedestrian Zone) – (Not in Use)	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
	Raised Platform – Concrete	3.2.5
C4 Street Furnit	ture	
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
	Footing Details for Installation on Asphalt or Grass Surface	4.3.2
	Footing Details for Installation on Existing Footpath	4.3.3
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 Public Doma	ain Lighting	
General	Conduits in footway and carriageway	5.1.1
	"Rocks" Type Column Including Footings  – (Not in Use)	5.1.2
	Three Phase Switchbox Details and Schematics (Sheet 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 Signaç	ge and Pavement Markings	
Pavement Markings	Car Share Line Marking	6.1.1
Signago	Standard Street Name Blades	6.2.1
Signage	Sign Post Installation	6.2.2
Tactile/	Materials & Colours	6.3.1
Braille		

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
	Standard Kerb Inlet Pit At Station	7.1.14
	Slotted Inlet Drain Under Seat – (Not in Use)	7.1.15
	Slotted Inlet Drain Under Bicycle Parking Layout  – (Not in Use)	7.1.16
	Slotted Inlet Drain Under Bicycle Parking Reinforcement  – (Not in Use)	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
	Terrace Raingarden	7.2.5
	Raingarden Direct Inflow Weir & Calming Basin Direct Entry	7.2.6
	Standard Surcharge Pit	7.2.7
	Gutter Bridge Details	7.2.8
	Dissipation Rocks Small Kerb Outlets	7.2.9
	High End Riser	7.2.10
	Gutter Bridge – Inlet Weir and Outlet Dissipation Rocks	7.2.11
	Raingarden Inlet Pit Parallel to the Road	7.2.12
	Raingarden with Kerb drain & 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 – (Not in Use)	7.2.15
	Raingarden – Surcharge inlet pit	7.2.16

	Raingarden Inlet Pit- Pit perpendicular to the road	7.2.17
C8 Survey Mark	s	
Permanent Survey Marks	Survey Marks in Carriageway	8.1.1
	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 Restoration		
Pavement Restoration	Typical Temporary Trench Restoration Details	9.1.1
	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





- 1. ALL CONCRETE SHALL BE MIN 32 MPa UNLESS NOTED OTHERWISE.
- 2. WHERE THE GUTTER IS SUBJECTED TO HIGHLY REPETITIVE MEDIUM AND HEAVY TRAFFIC, THE GUTTER SHALL BE 200mm THICK IN ACCORDANCE WITH B4 - 4.3.3
- 3. ALL EDGES SHALL BE TOOL FINISHED WITH 12mm RAD 50mm WIDE EDGING TOOL.
- 4. EXPANSION JOINTS SHALL BE PLACED AT 15m INTERVALS AND THE INTERFACE WITH OTHER FIXED STRUCTURES.
- 5. FOR ROAD RESTORATION ADJACENT TO KERB REFER TO STD DRG # 1.1.16
- 6. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

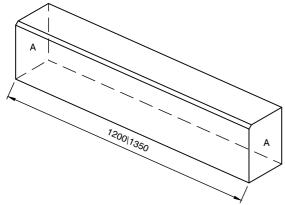
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K&G Dwg No. 1.1.2

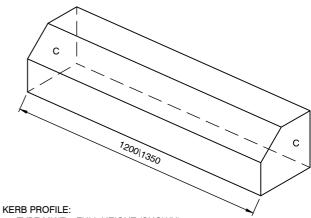
### BARRIER KERB



### KERB PROFILE:

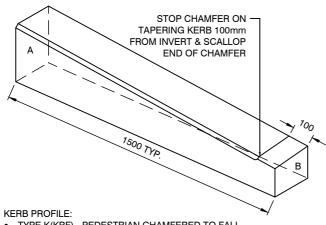
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- TYPE K(FR) FULL HEIGHT/ TO KERB RADIUS (SIMILAR)

### MOUNTABLE KERB



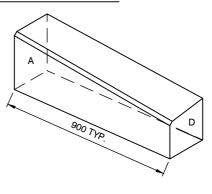
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- TYPE M(FR) FULL HEIGHT/ TO KERB RADIUS (SIMILAR)

### KERB RAMP WING



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

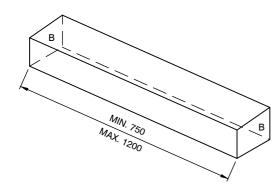
### VEHICULAR CROSSING WING



### KERB PROFILE:

- TYPE K(VCF) CHAMFERED TO FALL
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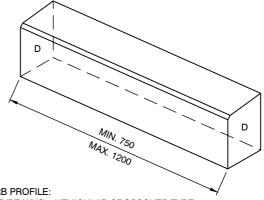
### KERB RAMP



### KERB PROFILE:

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

### VEHICULAR CROSSING



### KERB PROFILE:

- TYPE K(VC) VEHICULAR CROSSOVER TYPE
- TYPE K(VCR) VEHICULAR CROSSOVER TYPE/TO RADIUS (SIMILAR)

### NOTES:

- 1. FOR KERB RADII OF LESS THAN 7.5m, STONE TO BE CUT TO MATCH ALIGNMENT. USE RADII OF EITHER 750mm, 1m, 3m, 6m OR 7.5m WHERE POSSIBLE.
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**SCALE 1:20** 



**KERB & GUTTER** STONE KERB PROFILES - DEEP EMBEDMENT Rev Date 01.12.19 ΡS Approved

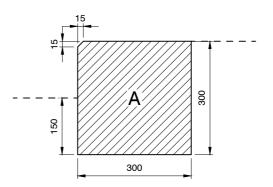
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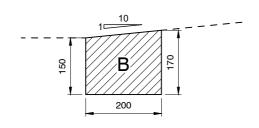
# 200mm WIDE KERB 300

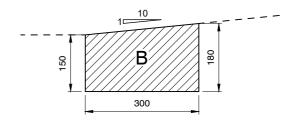
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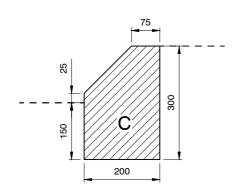
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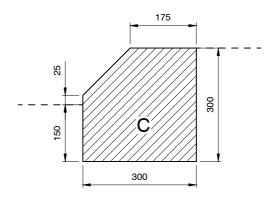
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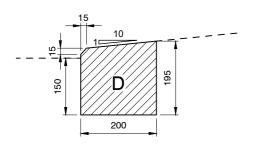


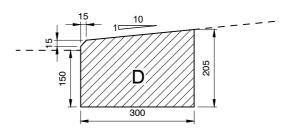










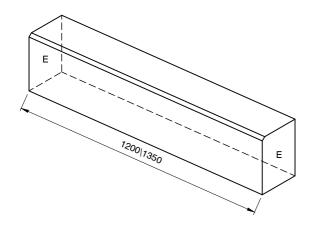


### NOTES:

- FOR SANDSTONE KERBS, A 25mm BULL NOSE ARRIS IS REQUIRED INSTEAD OF CHAMFERED CORNER.
   ALL CORNERS TO HAVE 1mm ARRIS.
   ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SECTION 1:10

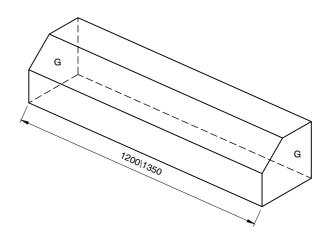
### BARRIER KERB



### KERB PROFILE:

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

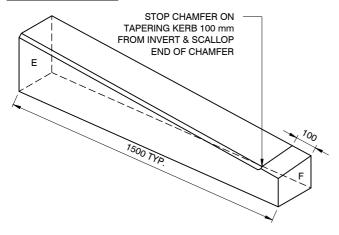
### MOUNTABLE KERB



### KERB PROFILE:

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

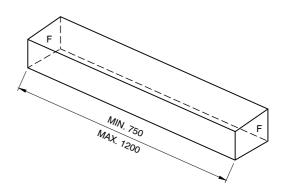
### KERB RAMP WINGS



### 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:

- 1. FOR KERB RADII OF LESS THAN 7.5 m, STONE TO BE CUT TO MATCH ALIGNMENT. USE RADII OF EITHER 3 m, 6 m OR 7.5 m WHERE POSSIBLE.
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**SCALE 1:20** 



KERB & GUTTER

STONE KERB PROFILES - SHALLOW EMBEDMENT

 Rev
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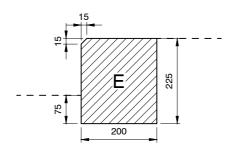
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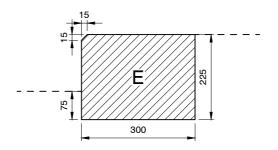
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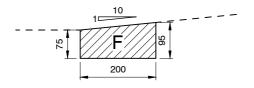
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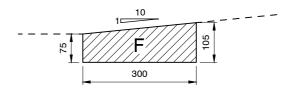
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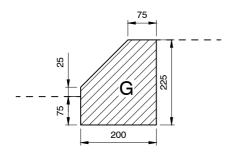
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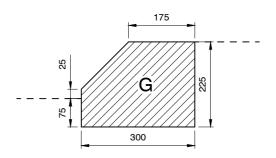












### NOTES:

- SANDSTONE KERBS ARE NOT TO BE USED.
   ALL CORNERS TO HAVE 1 mm ARRIS.
   ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**SCALE 1:10** 

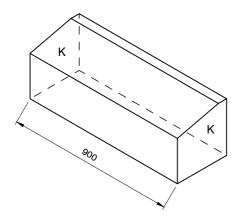
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**KERB & GUTTER** STONE KERB SECTIONS - SHALLOW EMBEDMENT

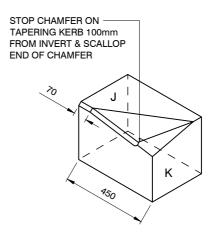
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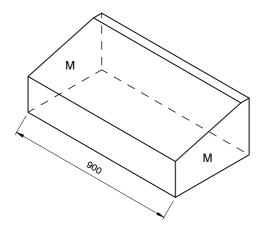
### LAYBACK KERB 01 TO CYCLEWAY/ **EMERGENCY VEHICLE (LK1VC)**



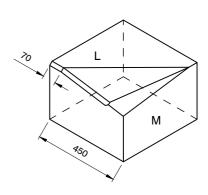
### LAYBACK KERB 01 TO CYCLEWAY TRANSITION (LK1VCT)



### LAYBACK KERB 02 TO CYCLEWAY/ **EMERGENCY VEHICLE (LK2VC)**



### LAYBACK KERB 02 TO CYCLEWAY TRANSITION (LK1VCT)



Rev

Date

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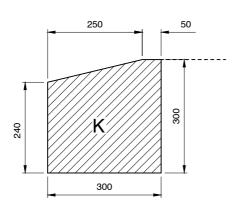
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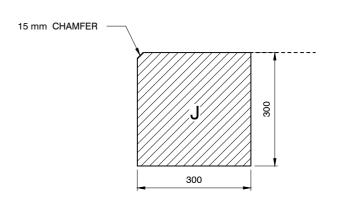
### NOTES:

- 1. TOP TO HAVE EXFOLIATED FINISH.
- 2. VERTICAL EDGES TO HAVE SAWN FINISH.
  3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

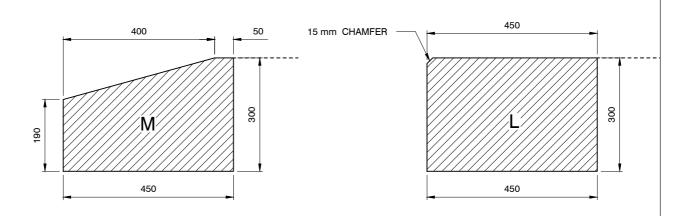
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### LAYBACK KERB 01 TO CYCLEWAY : LK1VC





### LAYBACK KERB TO CYCLEWAY 02: LK2VC



SECTION 1:10

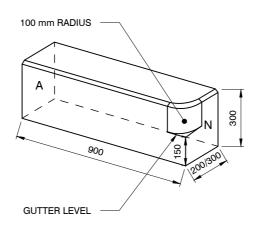
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



KERB & GUTTER
STONE KERB LAYBACK SECTIONS

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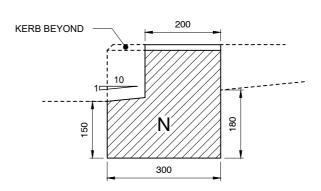


### SECTION 1:20

### 200 mm WIDE KERB

# KERB BEYOND 10 14 170 150

### 300 mm WIDE KERB



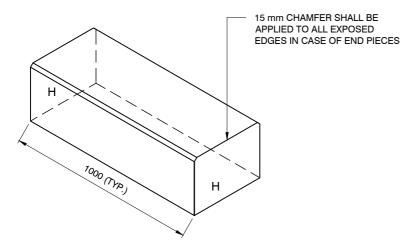
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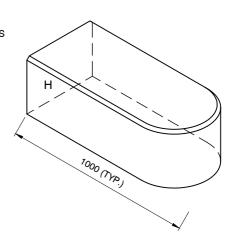
### NOTES:

- FOR SANDSTONE KERBS, A 25 mm BULL NOSE ARRIS IS REQUIRED INSTEAD OF CHAMFERED CORNER.
   ALL CORNERS TO HAVE 1 mm ARRIS.
   ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

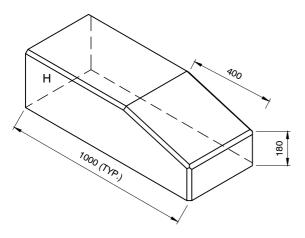
### MEDIAN KERB (MK2)

### MEDIAN KERB WITH BULLNOSE (MK2BN)



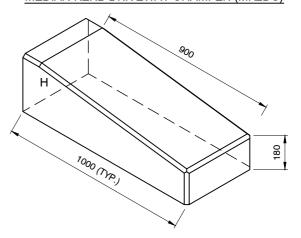


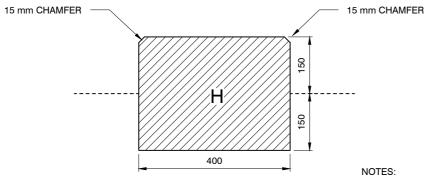
### MEDIAN KERB END CHAMFER (MK2EC)



**SCALE 1:20** 

### MEDIAN KERB DRIVEWAY CHAMFER (MK2DC)





- 1. TOP TO HAVE EXFOLIATED FINISH.
- 2. VERTICAL EDGES TO HAVE SAWN FINISH.
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SECTION 1:10

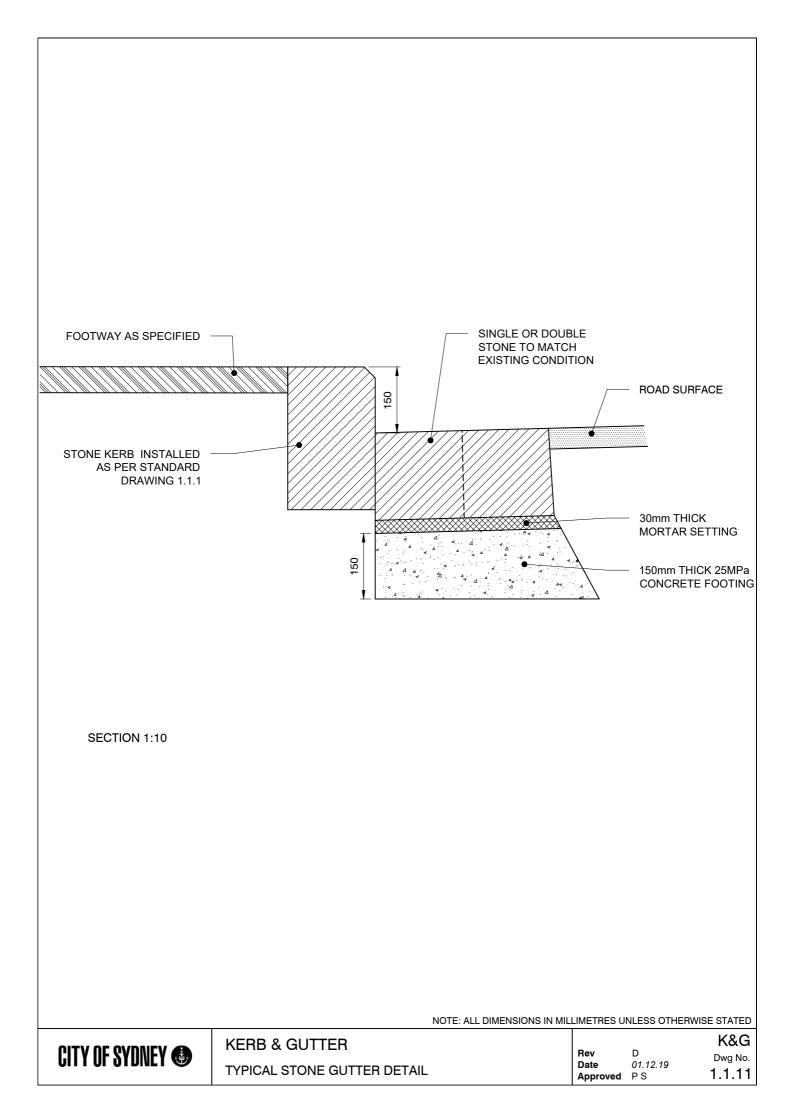
CITY OF SYDNEY **(4)** 

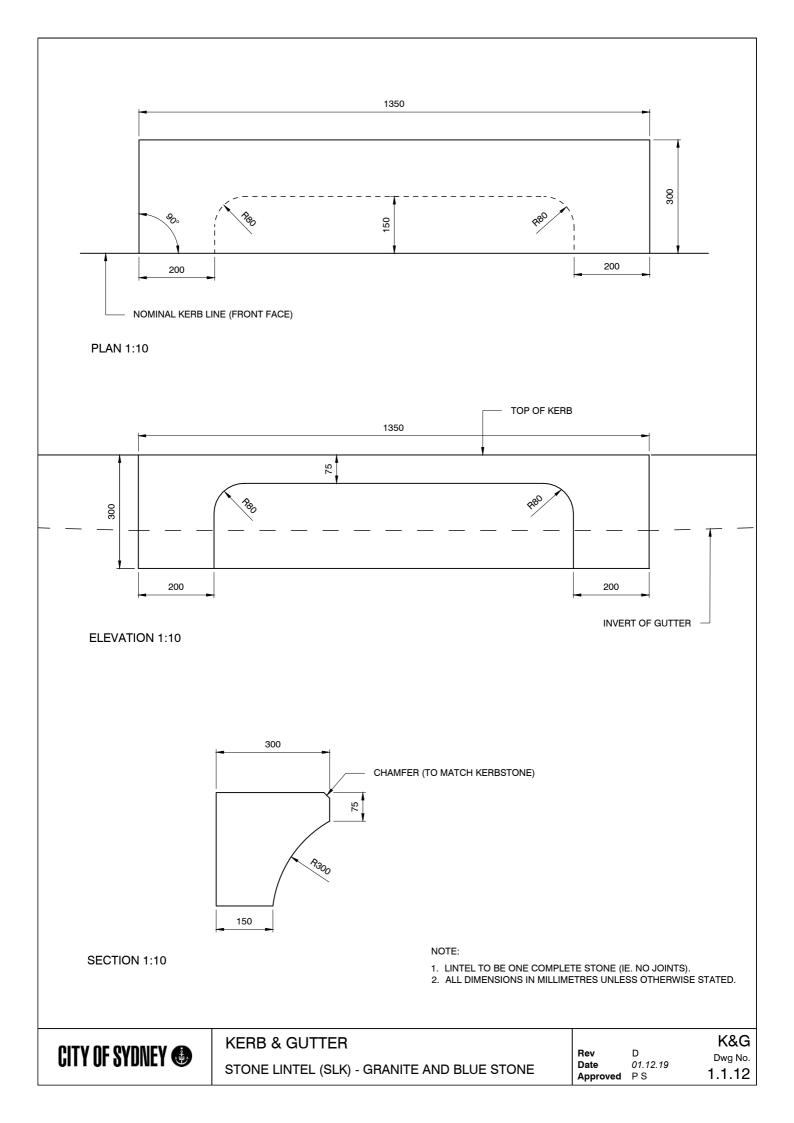
KERB AND GUTTER

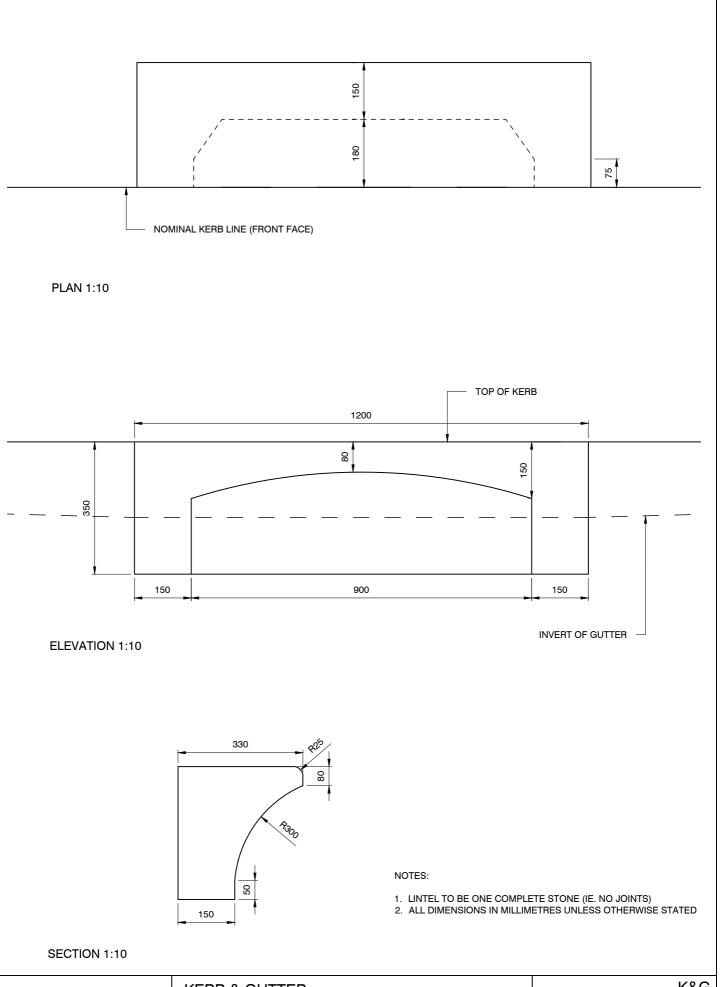
CYCLEWAY MEDIAN STRIP PROFILES AND SECTION

Rev E
Date 16.11.22
Approved S A

K & G Dwg No. 1.1.10







CITY OF SYDNEY **(4)** 

KERB & GUTTER
STONE LINTEL (SLK) - SANDSTONE

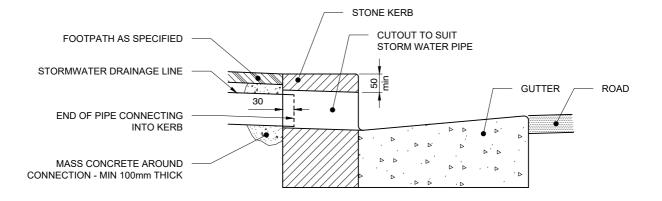
 Rev
 D

 Date
 01.12.19

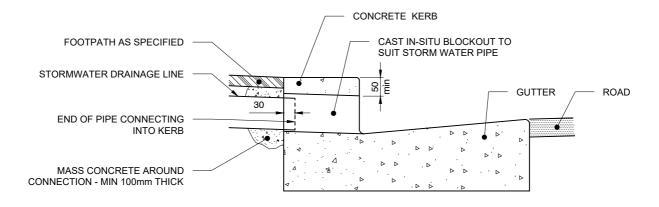
 Approved
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K&G Dwg No. 1.1.13

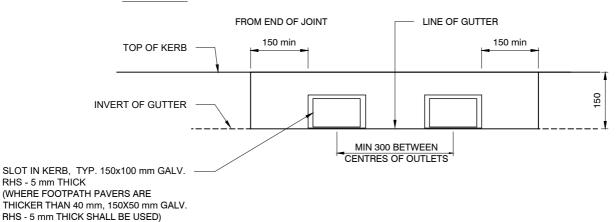
### STONE KERB SECTION



### CONCRETE KERB SECTION



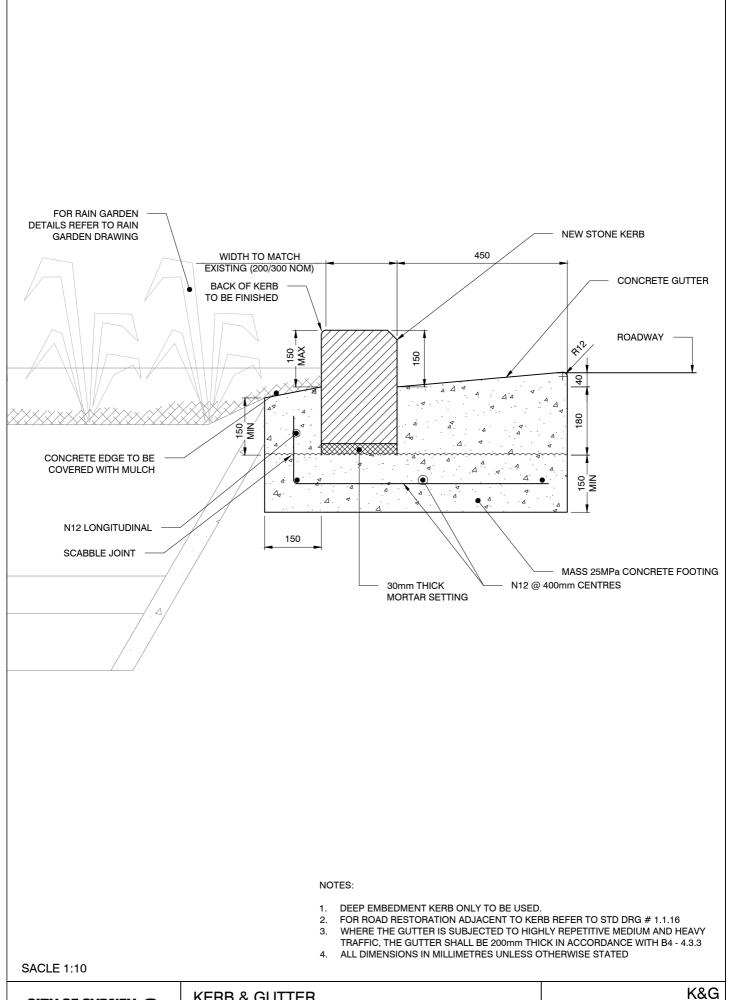
### **ELEVATION**



**SCALE 1:10** 

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED





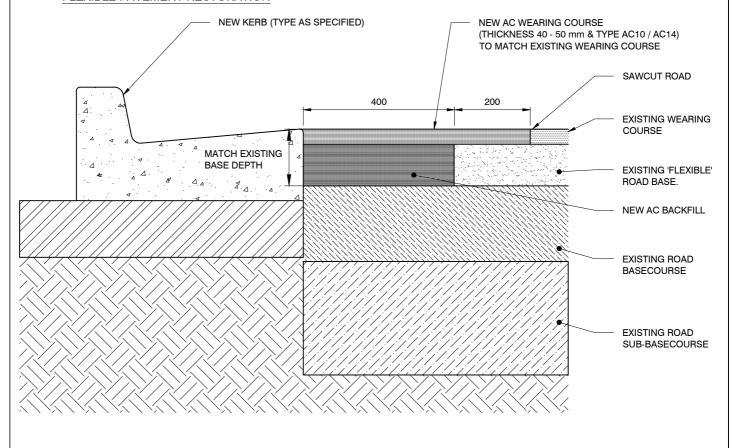
CITY OF SYDNEY 

Rev E
Date 16.11.22
Approved S A

Dwg No. 1.1.15

### RIGID PAVEMENT RESTORATION NEW KERB (TYPE AS SPECIFIED) NEW AC WEARING COURSE (THICKNESS 40 - 50 mm & TYPE AC10 / AC14) TO MATCH EXISTING WEARING COURSE SAWCUT ROAD 600 4 EXISTING WEARING COURSE. SAWCUT EXISTING CONCRETE BASE ALONG EDGE OF NEW **GUTTER** 41 EXISTING CONCRETE ROAD BASE **EXISTING ROAD** BASE COURSE

### FLEXIBLE PAVEMENT RESTORATION



SECTION 1:10

### NOTES:

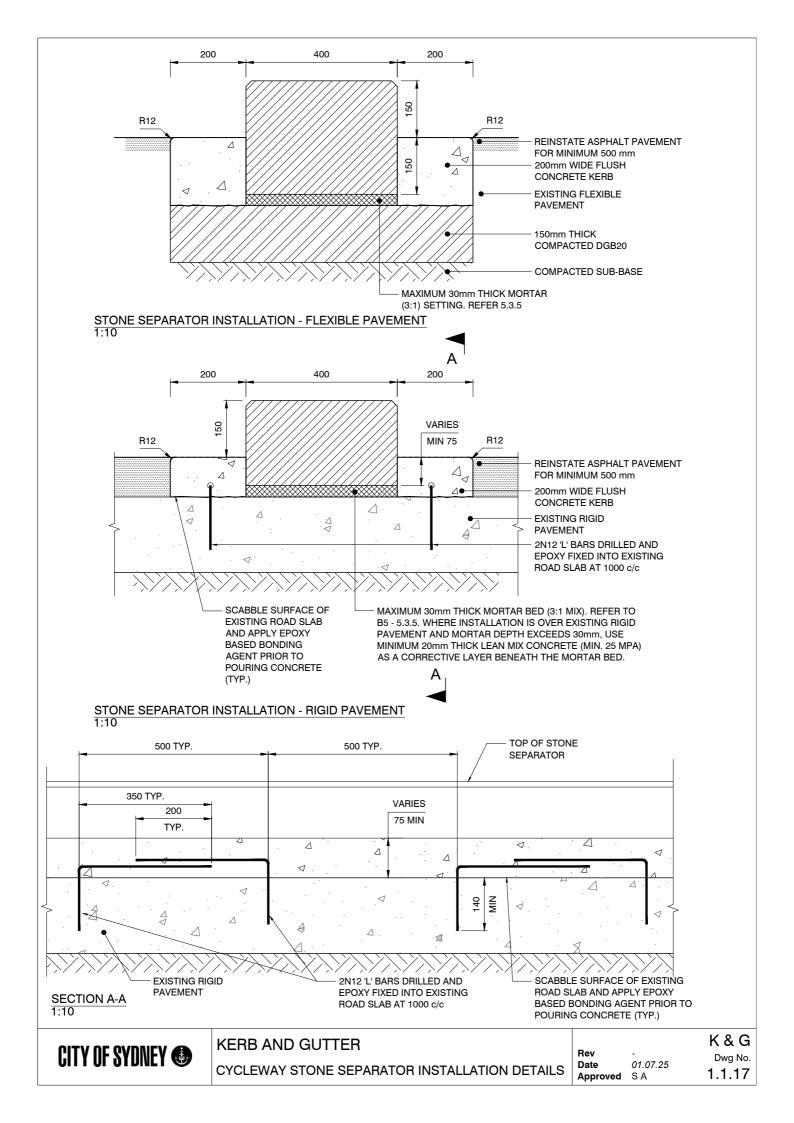
- 1. FOR KERB AND GUTTER DETAILS REFER TO STANDARD DRAWING # 1.1.1, 1.1.2 & 3.1.5
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

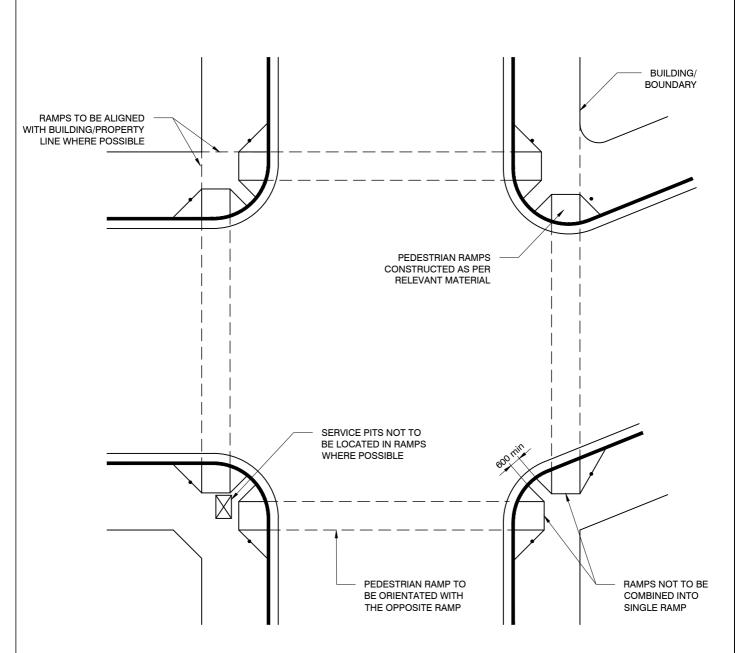


KERB & GUTTER
ROAD RESTORATION ADJACENT TO KERB/
GUTTER WORKS

Rev E Dwg No.

Date 16.11.22
Approved S A 1.1.16





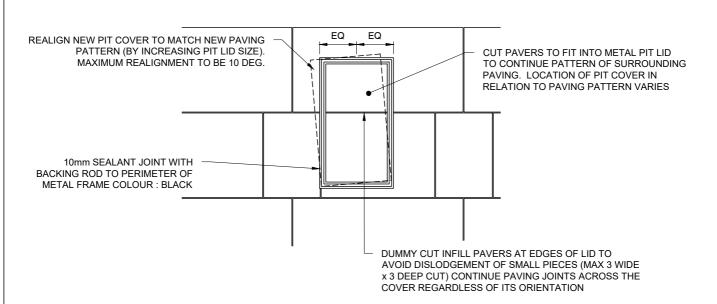
PLAN 1:200

### NOTES:

- 1. FOR SIGNALISED INTERSECTION TYPE AND LOCATION OF THE POLES, DIRECTION OF THE PEDESTRIAN CROSSING AND RAMPS SHALL BE APPROVED BY CITY OF SYDNEY TRAFFIC OPERATION TEAM PRIOR TO ANY CHANGES. CONSULTATION AND OBTAINING APPROVAL FROM TRINSW ALSO MAY BE REQUIRED.
- TfNSW ALSO MAY BE REQUIRED.

  2. FOR ANY PEDESTRIAN CROSSING AT THE INTERSECTION SITE SPECIFIC LIGHTING DESIGN SHALL BE PREPARED AND APPROVAL SHALL BE OBTAINED FROM CITY OF SYDNEY'S INFRASTRUCTURE PLANNING.
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

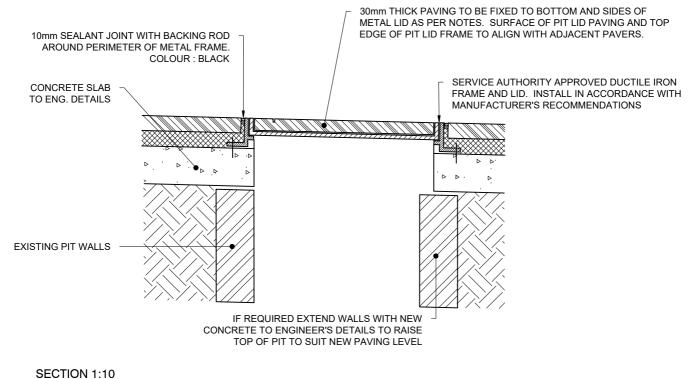
| Rev | D | Dwg No. |
| Date | 01.12.19 | 2.1.1 |



### NOTES:

- 1. OBTAIN APPROVAL FROM AUTHORITY FOR COVER REALIGNMENT.
- 2. CLEAN PIT LID WITH WIRE BRUSH AND THEN WITH SOFT BRUSH TO REMOVE RUST FROM LID.
- 3. MOISTEN PAVER AND LID TO AID HYDRATION OF MORTAR MIX.
- 4. USE CEMENT MORTAR WITH FORTIFYING COMPOUND (ARDEX OR APPROVED EQUIVALENT) AS JOINTING MATERIAL.
- 5. USE A RICHER MIX eg. 1:1 CEMENT:SAND THINNER (2-5mm) JOINTS AND 1:2.5 CEMENT:SAND MIX FOR THICKER (12-15mm) JOINT.
- 6. PIT LID INFILLS TO HAVE APPROX. 3mm GAP ON SIDES SO AS TO NOT TOUCH THE LID.
- 7. GAPS ON SIDES SHOULD BE GROUTED WITH RICH CEMENT SAND MIX WITH FORTIFYING COMPOUND.
- 8. TO ENSURE THE SERVICE PIT IS STILL ACCESSIBLE AND FIT FOR USE THE RELEVANT AUTHORITY IS TO PROVIDE SIGN OFF / APPROVAL.
- 9. PIT COVERS IN THE FOOTPATH SHALL COMPLY WITH CLASS 'C' LOADING AND FOR TRAFFICABLE AREA, PIT COVERS SHALL COMPLY WITH CLASS 'D' LOADING.
- 10. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

PLAN 1:50



SECTION 1.10



GENERAL FOOTPATH

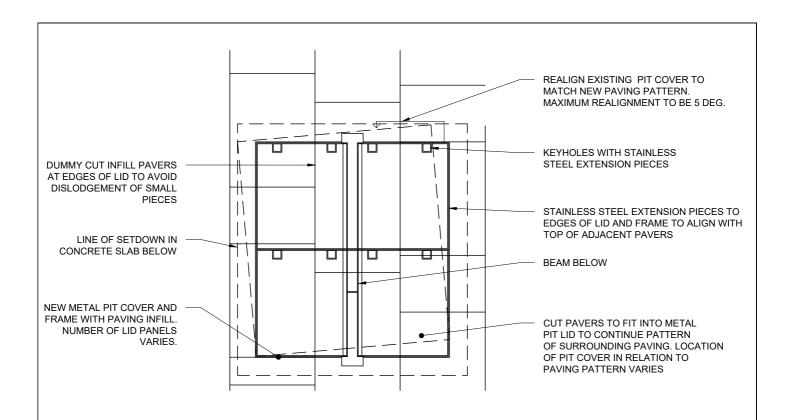
TYPICAL ONE PART PIT COVER

FOOTWAYS

Dwg No.

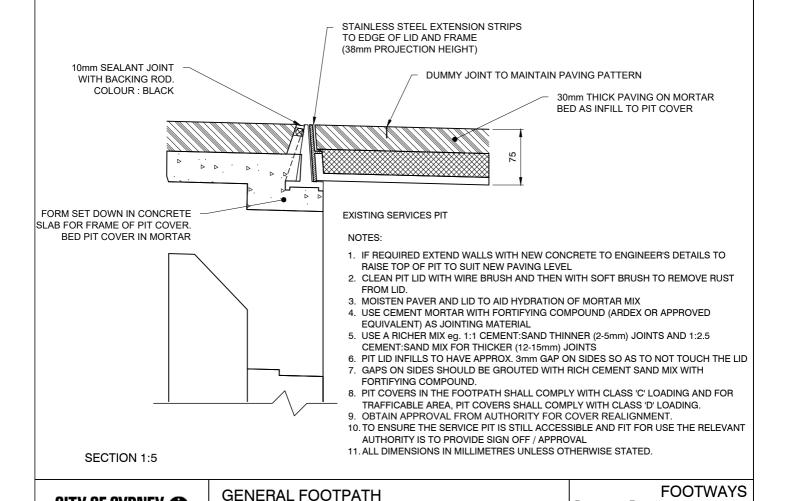
Rev E
Date 16.11.22
Approved S A

2.1.2



**PLAN 1:20** 

CITY OF SYDNEY



TYPICAL MULTI PART PIT COVER

Ε

SA

16 11 22

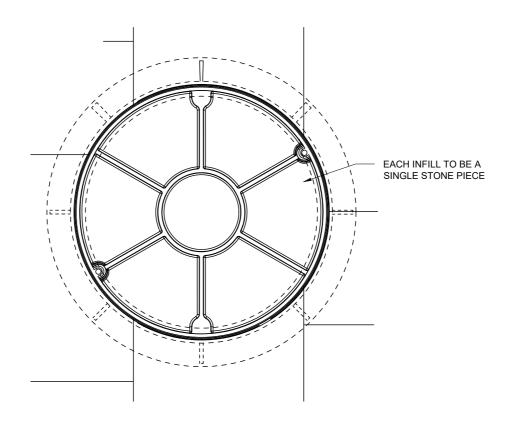
Dwg No.

2.1.3

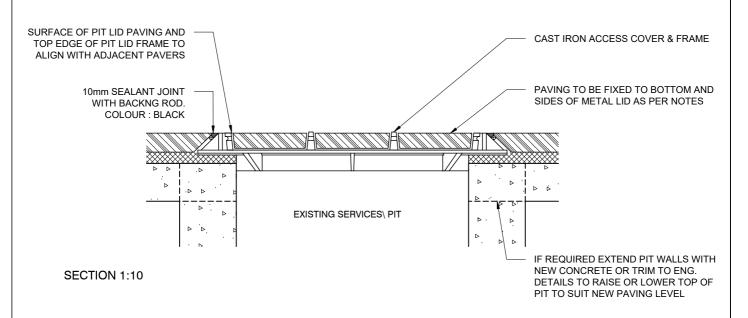
Rev

Date

Approved



**PLAN 1:10** 



### NOTES:

- 1. CLEAN PIT LID WITH BRUSH AND THEN SOFT BRUSH TO CLEAR RUST FROM LID
- MOISTEN PAVER AND LID TO AID HYDRATION OF MORTAR MIX
   USE CEMENT MORTAR WITH FORTIFYING COMPOUND (ARDEX OR APPROVED EQUIVALENT) AS JOINTING MATERIALS
- 4. USE A RICHER MIX eg: 1:1 CEMENT:SAND FOR THINNER (3-5mm) JOINTS AND 1:2.5 CEMENT:SAND MIX FOR THICKER (12-15mm) JOINTS 5. PIT LID INFILLS TO HAVE APPROX. 3mm GAP ON SIDES SO AS NOT TO TOUCH THE LID 6. GAPS ON SIDES SHOULD BE GROUTED WITH RICH CEMENT SAND MIX WITH FORTIFYING COMPOUND.

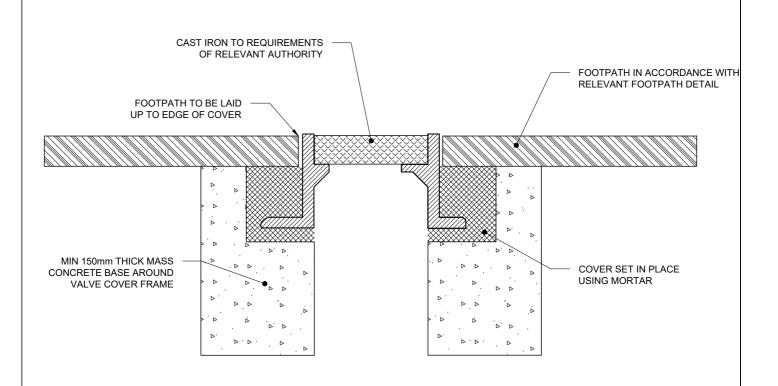
- TO ENSURE THE SERVICE PIT IS STILL ACCESSIBLE AND FIT FOR USE THE RELEVANT AUTHORITY IS TO PROVIDE SIGN OFF / APPROVAL
- 8. PIT COVERS IN THE FOOTPATH SHALL COMPLY WITH CLASS C LOADING AND FOR TRAFFICABLE AREA, PIT COVERS SHALL COMPLY WITH CLASS 'D' LOADING
- 9. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



GENERAL FOOTPATH SEWER & STORMWATER PIT INFILL COVER **FOOTWAYS** 

Rev Date 16 11 22 Approved SA

Dwg No. 2.1.4



### NOTE:

- 1. TO ENSURE THE SERVICE VALVE IS STILL ACCESSIBLE, THE RELEVANT AUTHORITY IS TO PROVIDE SIGN OFF / APPROVAL
- FOR FIRE FIGHTING OPERATIONS, SERVICE VALVE COVERS ARE TO BE REINSTATED IN ACCORDANCE WITH THE WATER SUPPLY CODE OF AUSTRALIA WSA 03-2002-2.2 SYDNEY WATER EDITION VERSION, AND SPECIFICALLY DRAWINGS WAT-1305-V AND WAT-1306-V. ON COMPLETION THE NSWFB ZONE COMMANDERS EAST ONE (TEL: 0419 993 065) SHOULD BE CONTACTED TO ARRANGE TESTING TO ENSURE COMPLIANCE. TYPICALLY, THE CBD HAS SCREW HYDRANTS WHILST OUTSIDE CBD. SPRING HYDRANTS ARE USED.
- 3. WHERE PIT LID IS GREATER THAN 300mm IN ANY DIRECTION, AN INFILL LID IS TO BE USED.
- 4. PIT COVERS IN THE FOOTPATH SHALL COMPLY WITH CLASS 'C' LOADING AND FOR TRAFFICABLE AREA PIT COVERS SHALL COMPLY WITH CLASS 'D' LOADING.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:5



GENERAL FOOTPATH
SERVICE VALVE COVER DETAIL

FOOTWAYS

E Dwg No.

 Date
 16.11.22

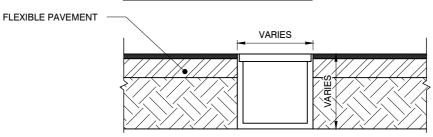
 Approved
 S A

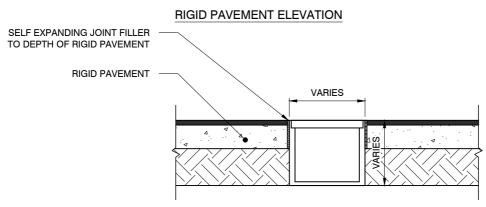
Rev

2.1.5

# TYPICAL PLAN 100mm DEEP SELF EXPANDING JOINT FILLER IN CASE OF SURROUNDING AREA BEING INFLEXIBLE PAVEMENT (eg CONCRETE) SERVICE PIT FOOTPATH / ROAD AREA

### FLEXIBLE PAVEMENT ELEVATION





**SCALE 1:20** 

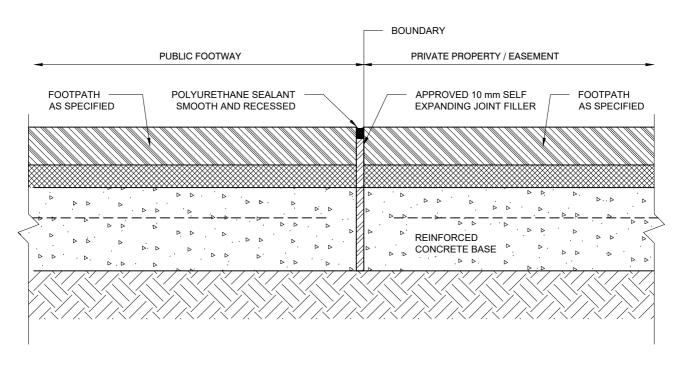
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



GENERAL FOOTPATH
SERVICE PIT EDGE DETAIL

 $\begin{array}{ccc} \text{Rev} & \text{FOOTWAYS} \\ \text{Rev} & \text{D} \\ \text{Date} & \textit{01.12.19} \\ \text{Approved} & \text{P S} & 2.1.6 \\ \end{array}$ 

### JUNCTION ALONG PROPERTY BOUNDARY



**SECTION 1:5** 

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



GENERAL FOOTPATH
PROPERTY OWNERSHIP INTERFACE LOCATION

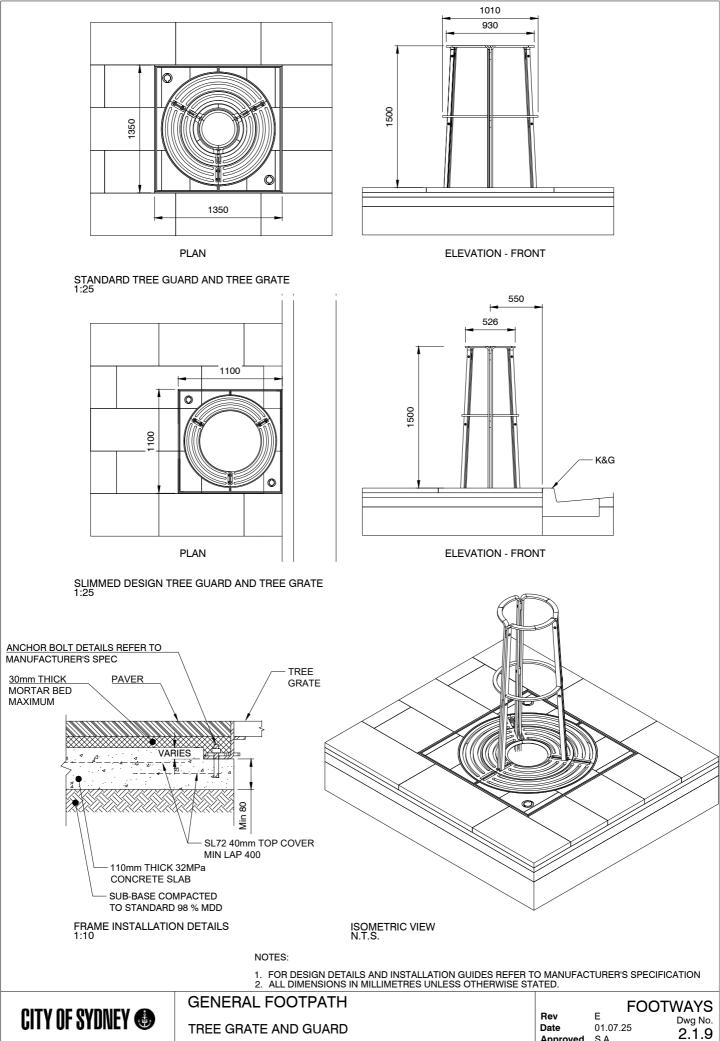
FOOTWAYS

 Rev
 E

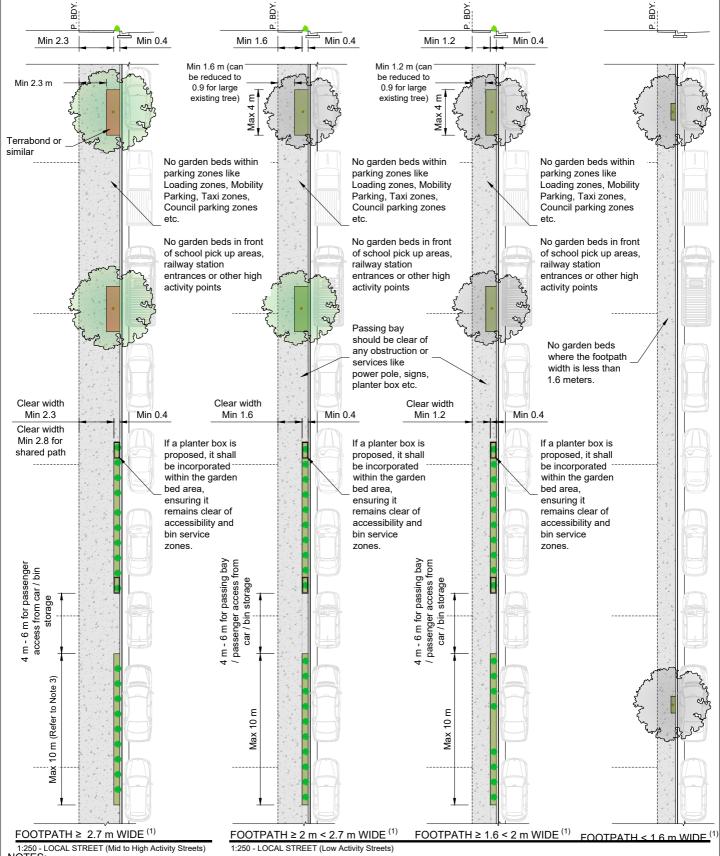
 Date
 01.07.25

 Approved
 S A

Dwg No. **2.1.8** 



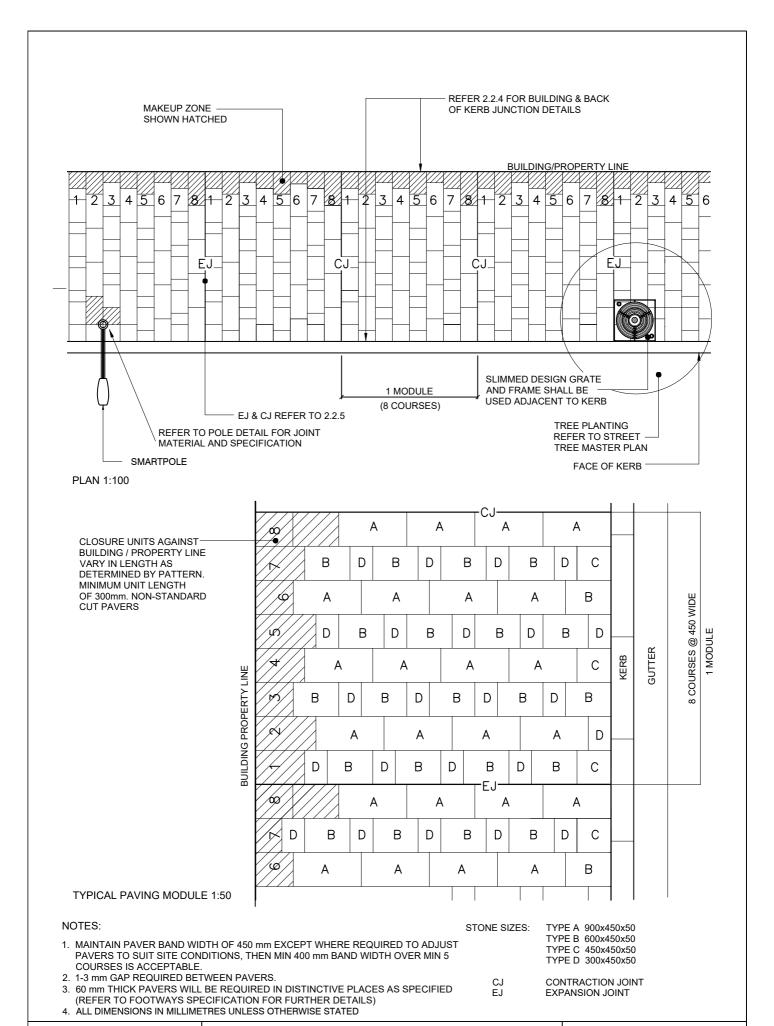
Approved S.A.



NOTES:

- The footpath width shown is measured from the property boundary to the back of the kerb.
- The minimum footpath width must comply with the Sydney Street Code & Inclusive and Accessible Public Domain Guidelines. If existing trees prevent this, the 2. specified minimum width for various scenarios may be applied, with a priority on maximising footpath width.
- 3. In No Stopping zones, garden beds can be extended or made continuous, provided the clear footpath width complies with the Sydney Street Code and the section of the street is not serviced by a refuse vehicle.
- Greening should be planned in consultation with the Infrastructure Services, City's Urban Forest Team, Waste Collection Team and City Greening and Leisure 4 Operations to ensure that greening is viable, meets operational needs and provides direct access to kerb where required
- 5 Garden beds shall have a minimum depth of 500mm. If this depth cannot be achieved or if an awning is present, consultation with the Parks Team is required to ensure an appropriate design and planting solution is implemented.
- In locations where a minimum 2.3m continuous and accessible path of travel is available and access to kerb is not required, then continuous planting may be considered





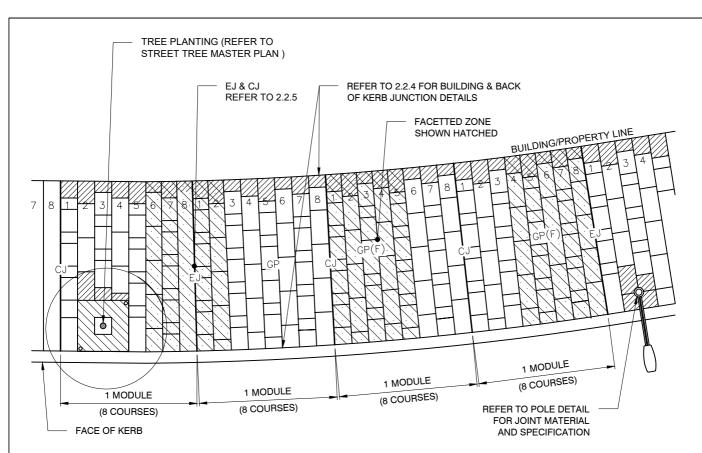
CITY OF SYDNEY **(** 

GRANITE PAVING
GENERAL ARRANGEMENT PLAN

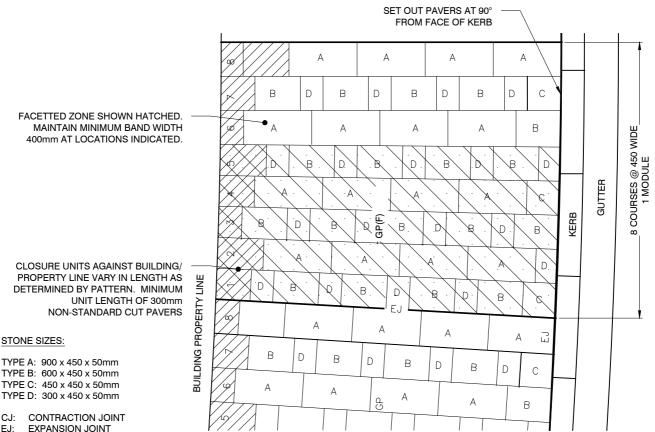
**FOOTWAYS** 

Rev D
Date 01.12.19
Approved PS

Dwg No. **2.2.1** 



PLAN 1:100



TYPE A: 900 x 450 x 50mm TYPE B: 600 x 450 x 50mm TYPE C: 450 x 450 x 50mm

EXPANSION JOINT **GRANITE PAVING** 

GP(F): GRANITE PAVING FACETTED

### NOTES:

- 1. 1-3mm GAP REQUIRED BETWEEN PAVERS.
- 2. 60MM THICK PAVERS WILL BE REQUIRED IN DISTINCTIVE PLACES AS SPECIFIED (REFER TO FOOTWAYS SPECIFIACTION FOR FURTHER DETAILS)

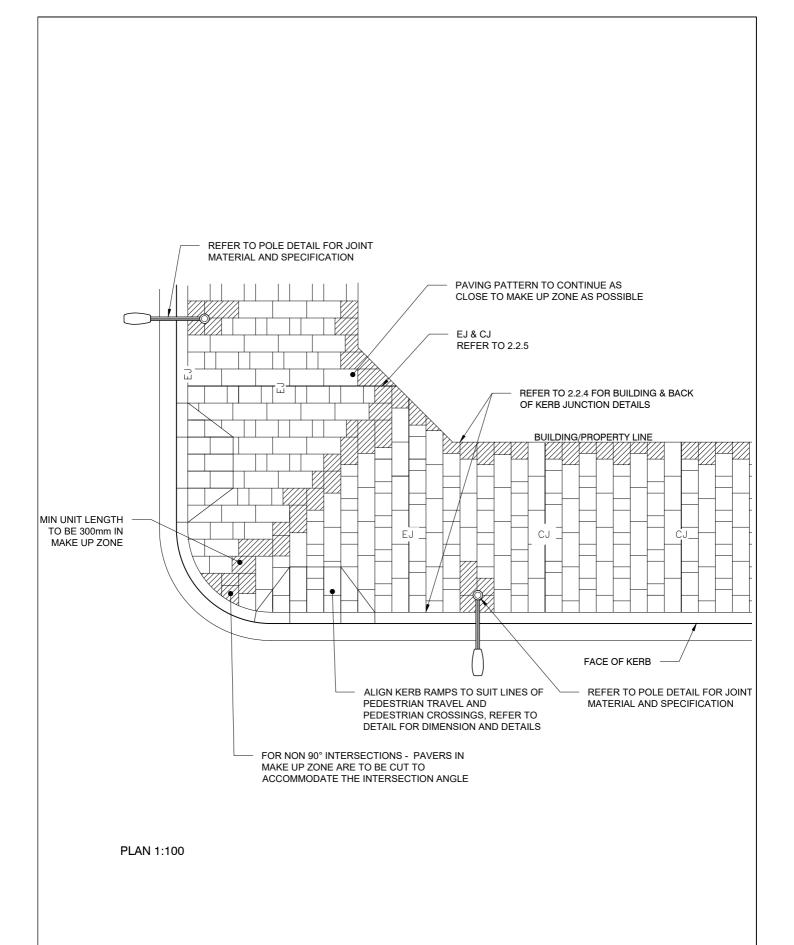
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

**TYPICAL PAVING MODULE 1:50** 

CITY OF SYDNEY

**GRANITE PAVING** GENERAL ARRANGEMENT PLAN (FACETTED)

**FOOTWAYS** D Rev Dwg No. Date 01 12 19 2.2.2 Approved PS



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

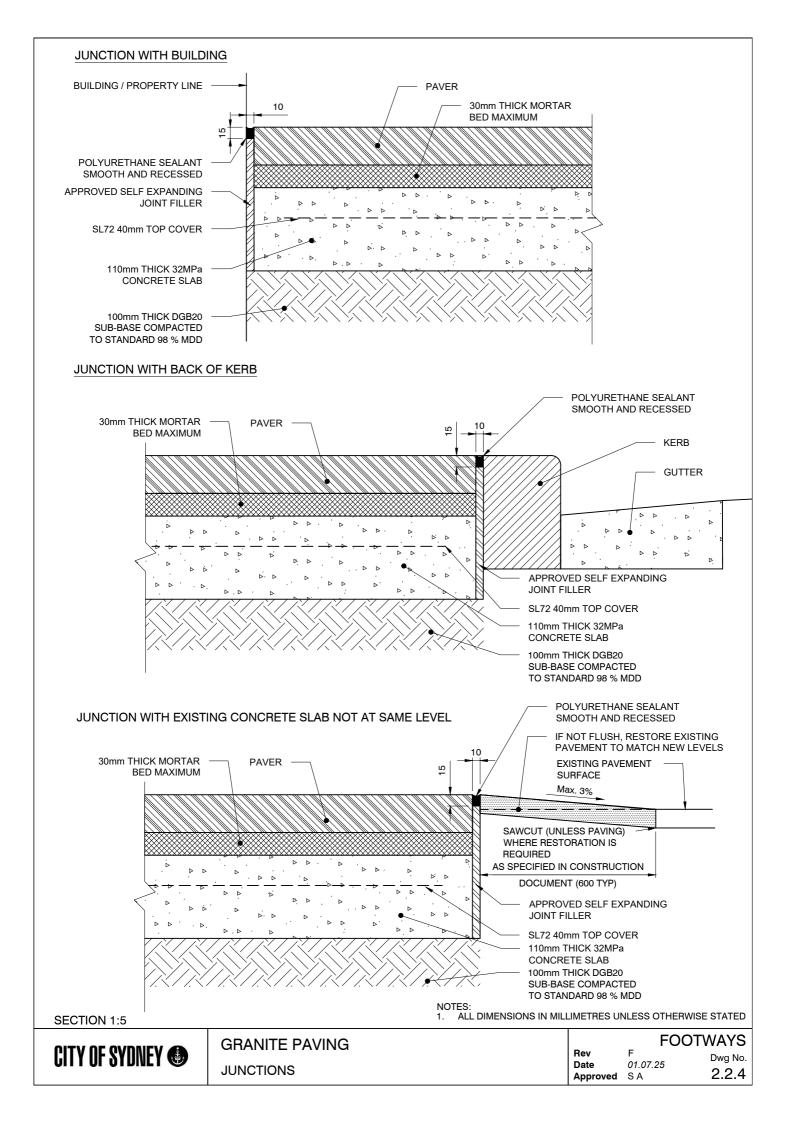
CITY OF SYDNEY **(** 

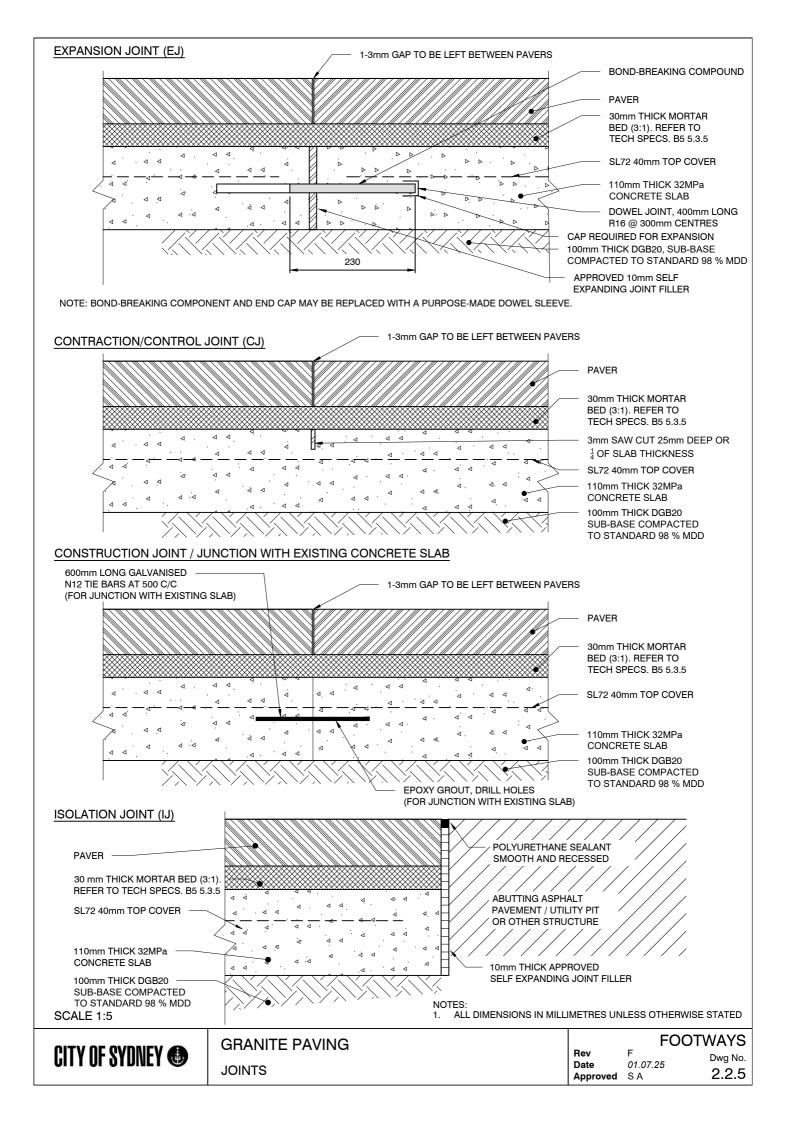
GRANITE PAVING

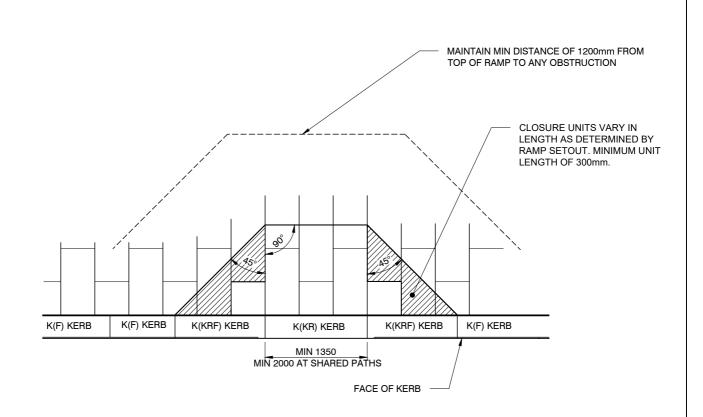
CORNER ARRANGEMENT PLAN (TYPICAL)

 Rev Date
 01.12.19
 Dwg No.

 Approved
 P S
 2.2.3





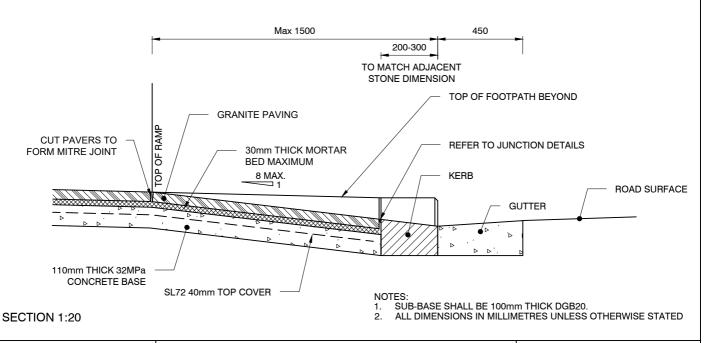


## KERB TYPES:

TYPE K(F): FULL HEIGHT

TYPE K(KRF): PEDESTRIAN CHAMFERED TO FALL PEDESTRIAN CROSSOVER

PLAN 1:50



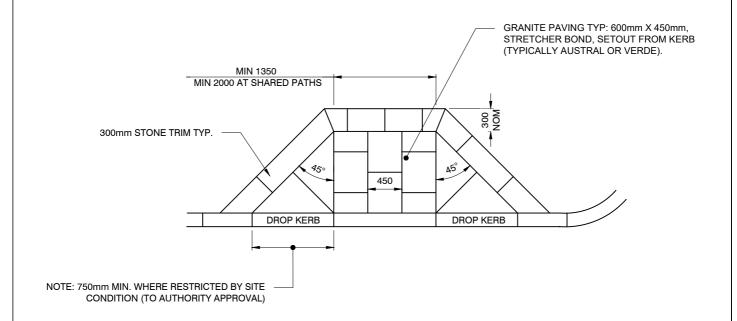
CITY OF SYDNEY **(** 

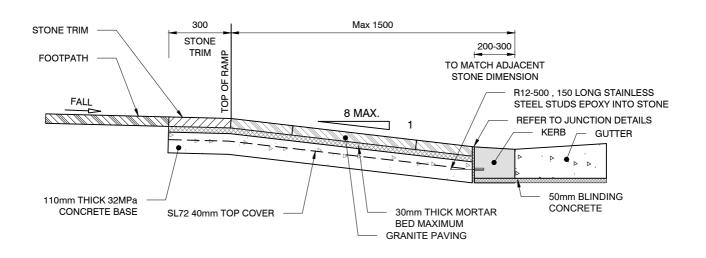
GRANITE PAVING
PEDESTRIAN RAMP (TYPICAL)

FOOTWAYS

 Rev Date
 D Journal Office
 Dwg No.

 Approved
 P S
 2.2.6





SECTION 1:20

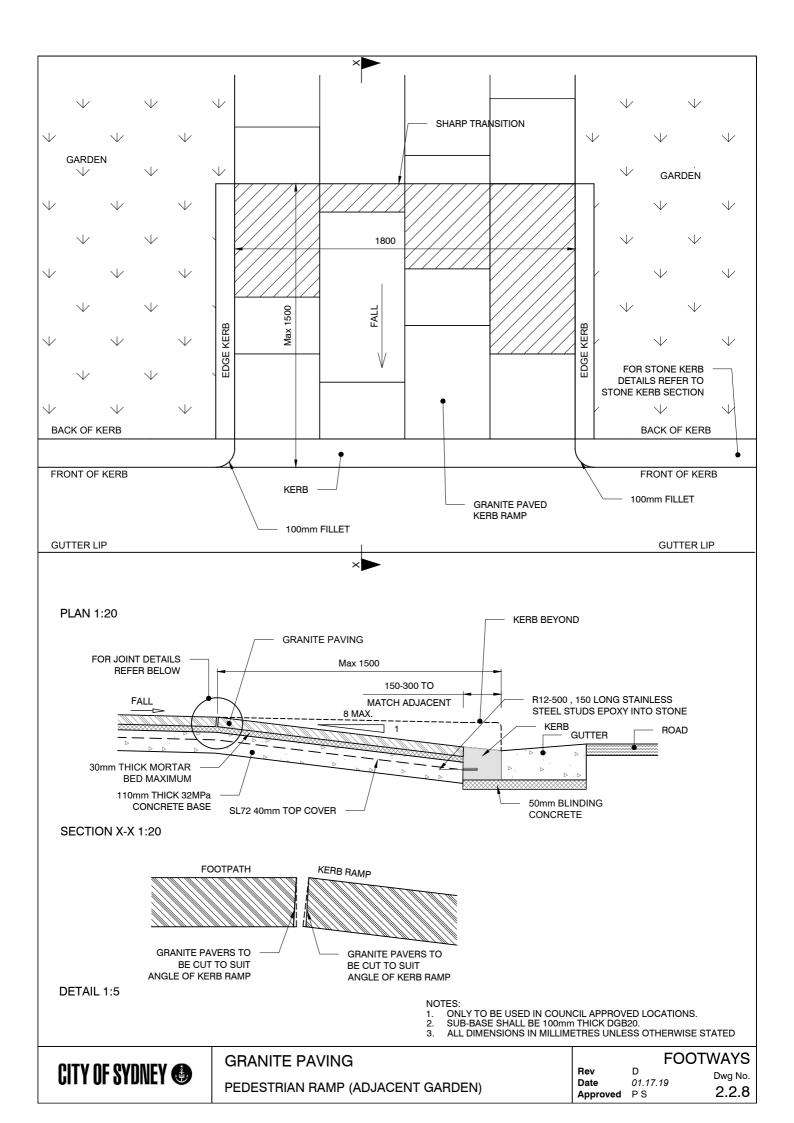
ONLY TO BE USED IN COUNCIL APPROVED LOCATIONS. SUB-BASE SHALL BE 100mm THICK DGB20.

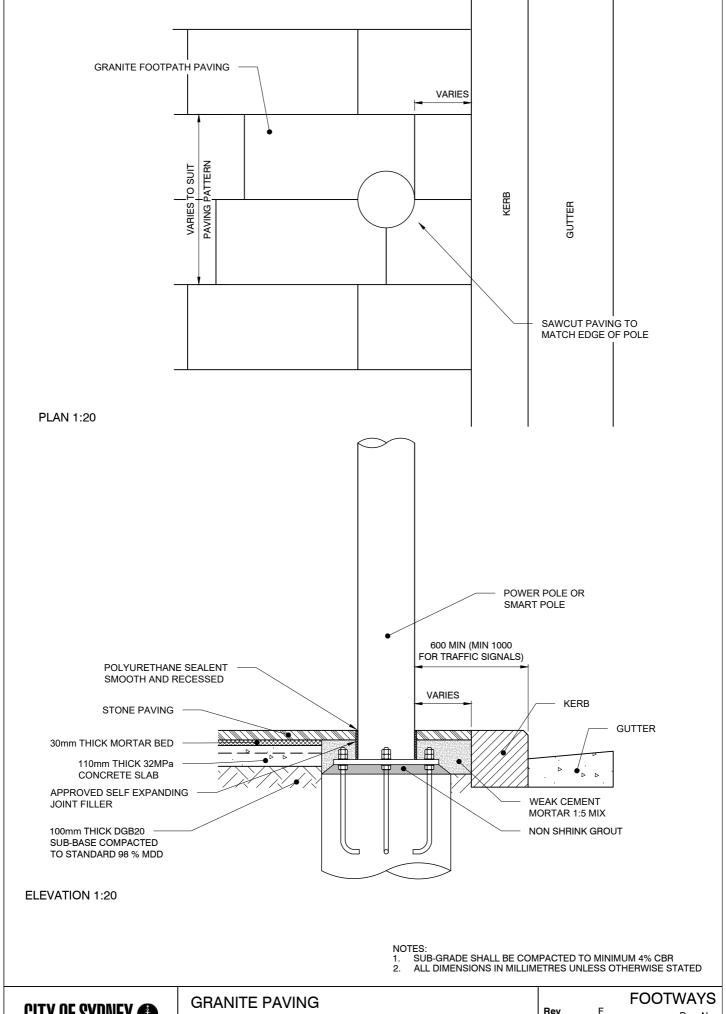
ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

**GRANITE PAVING** PEDESTRIAN RAMP (PYRMONT / ULTIMO SPECIAL)

**FOOTWAYS** Rev D Dwg No. Date 01.12.19 2.2.7 Approved PS





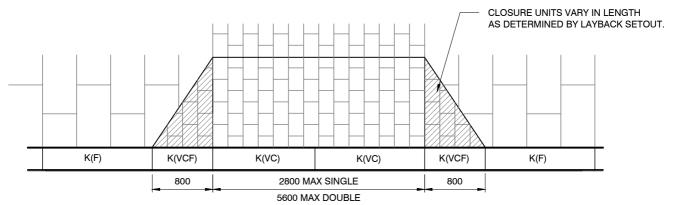
CITY OF SYDNEY 🕀

GRANITE PAVING
PAVING AROUND LIGHT POLES AND SMART POLES

 Rev Date
 FOOTWAYS

 Approved
 S A

DOTWAYS
Dwg No.
2.2.9



KERB PROFILES

**FULL HEIGHT** 

VEHICULAR CHAMFERED TO FALL

VEHICULAR CROSSOVER

TYPE K(F): TYPE K(VCF):

TYPE K(VC):

### PLAN 1:50

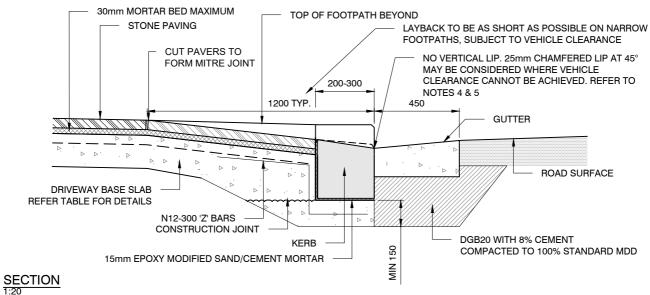
### NOTES:

1. ALIGN CENTRE OF DRIVEWAY WITH ENTRY

2. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE UNLESS APPROVED OTHERWISE

3. FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm SUBJECT TO VEHICLE CLEARANCE

- 4. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1
- 5. VERTICAL LIP ADJACENT TO CYCLEWAY MUST BE APPROVED BY CITY'S REPRESENTATIVE
- 6. SUB-BASE SHALL BE 100mm THICK DGB20.
- 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



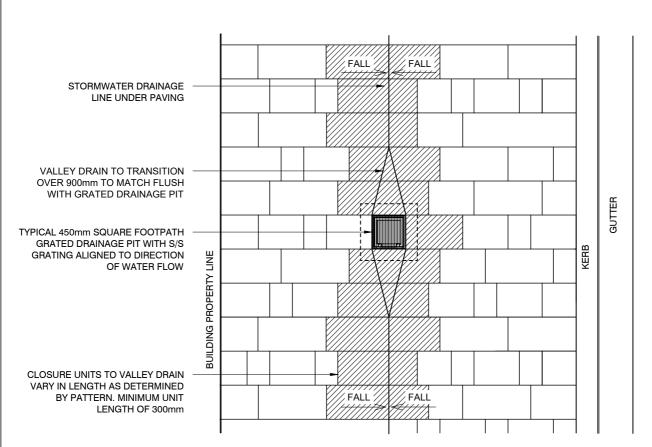
DRIVEWAY SPECIFICATIONS				
DRIVEWAY USE	CONCRETE STRENGTH	THICKNESS	REINFORCEMENT	PAVER SIZE
SINGLE RESIDENTIAL	32MPa	150	SL82, 50 COVER TOP	200 x 300 x 70
MULTI RESIDENTIAL	32MPa	200	SL82, 50 COVER TOP	200 x 300 x 70
COMMERCIAL/ INDUSTRIAL	32MPa	250	TWO LAYERS SL82 50 COVER TOP & BOTTOM	200 x 300 x 80

CITY OF SYDNEY <b>(</b>	
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GRANITE PAVING
VEHICULAR CROSSING

Date 01.07.25 Approved S A

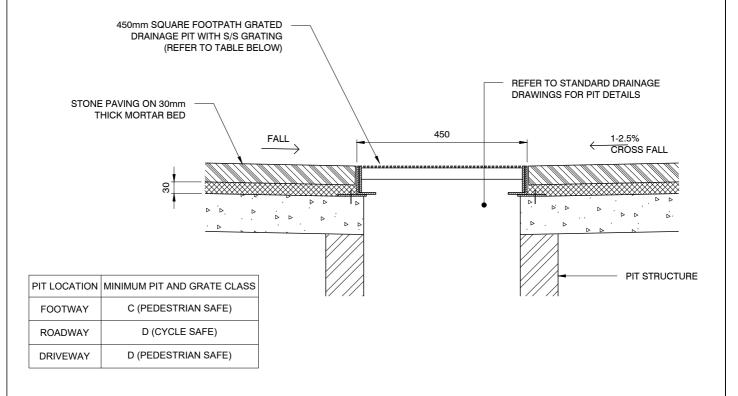
2.2.10



### NOTES:

- ALIGN 450mm SQUARE PIT FRAME TO PAVEMENT BANDING & TO PAVING MODULES AS SHOWN.
   DETAIL NOT TO BE USED WITHOUT SITE SPECIFIC APPROVAL FROM COUNCIL.
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

### PLAN 1:50



SECTION 1:10

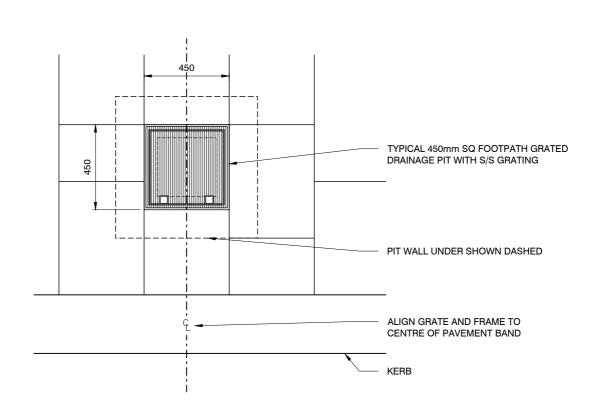
CITY	NF	SYDNEY 🚯	
UIII	UI	UIDINLI 😂	

**GRANITE PAVING** STORMWATER VALLEY DRAIN

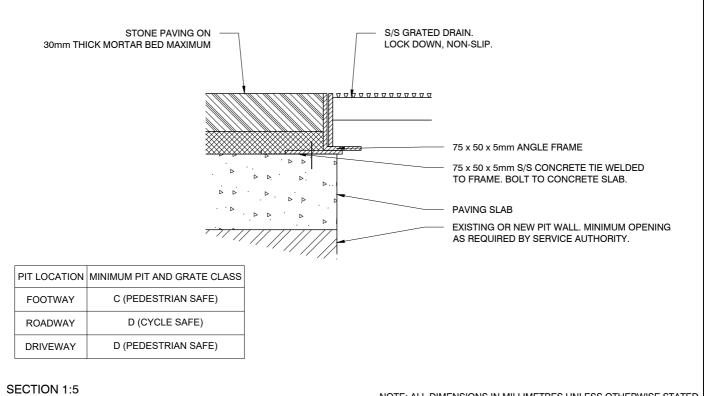
**FOOTWAYS** Rev D Dwg No.

01.12.19 Date Approved PS

2.2.11



PLAN 1:20



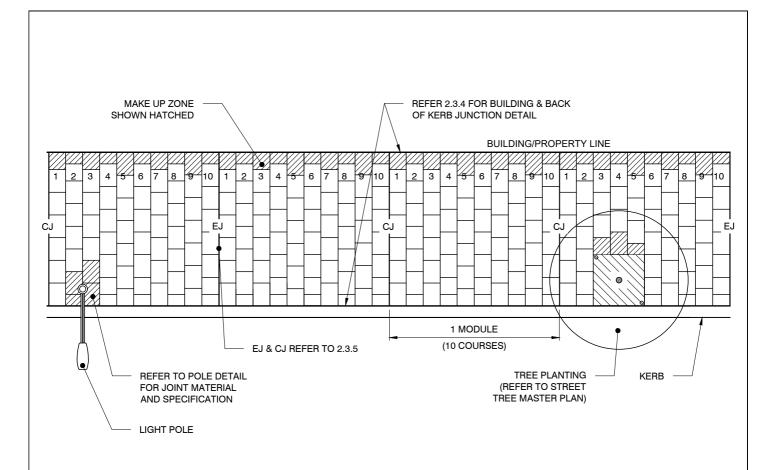
CITY OF SYDNEY 🌑

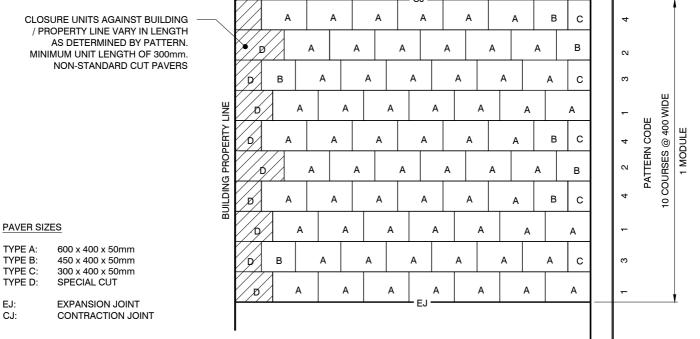
GRANITE PAVING
STAINLESS STEEL GRATING TO DRAINAGE PIT

 Rev Date
 01.12.19 Org
 Dwg No. Dwg No. 2.2.12

 Approved
 PS
 2.2.12

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED





TYPICAL PAVING MODULE 1:50

- MAINTAIN PAVER BAND WIDTH OF 400mm EXCEPT WHERE REQUIRED TO ADJUST PAVERS TO SUIT SITE CONDITIONS, THEN MIN 350mm BAND WIDTH OVER MIN 5 COURSES IS ACCEPTABLE.
- 2. 1-3mm GAP REQUIRED BETWEEN PAVERS.
- 3. PAVERS TO BE SET OUT 90° TO BACK OF KERB.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY 🕀

CONCRETE UNIT PAVING
GENERAL ARRANGEMENT PLAN

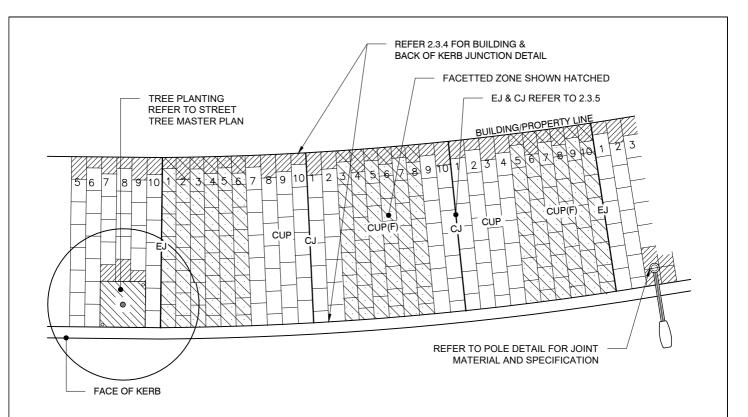
NOTES:

FOOTWAYS

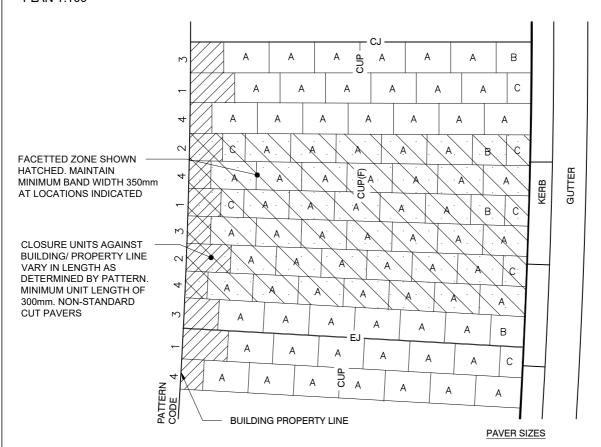
Date 01.12.19 Approved PS

Rev

Dwg No. **2.3.1** 



PLAN 1:100



NOTES:

1. 1 - 3 mm GAP REQUIRED BETWEEN PAVERS.

2. PAVERS TO BE SET OUT 90° TO BACK OF KERB.

3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

TYPICAL PAVING MODULE 1:50

TYPE A: 600 x 400 x 50mm
TYPE B: 450 x 400 x 50mm
TYPE C: 300 x 400 x 50mm
TYPE D: SPECIAL CUT

EJ: EXPANSION JOINT
CJ: CONTRACTION JOINT
CUP: CONCRETE UNIT PAVING

CUP(F): CONCRETE UNIT PAVING (FACETTED)

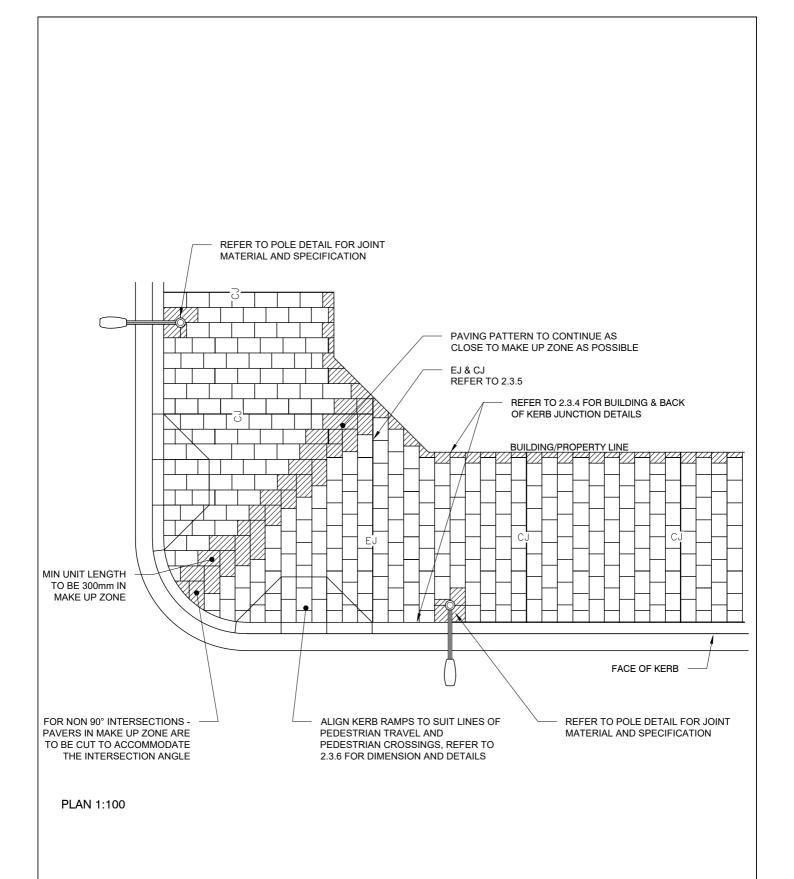
CITY OF SYDNEY **(** 

CONCRETE UNIT PAVING
GENERAL ARRANGEMENT PLAN (FACETTED)

FOOTWAYS

 Rev
 D
 Dwg No.

 Date
 01.12.19
 2.3.2



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

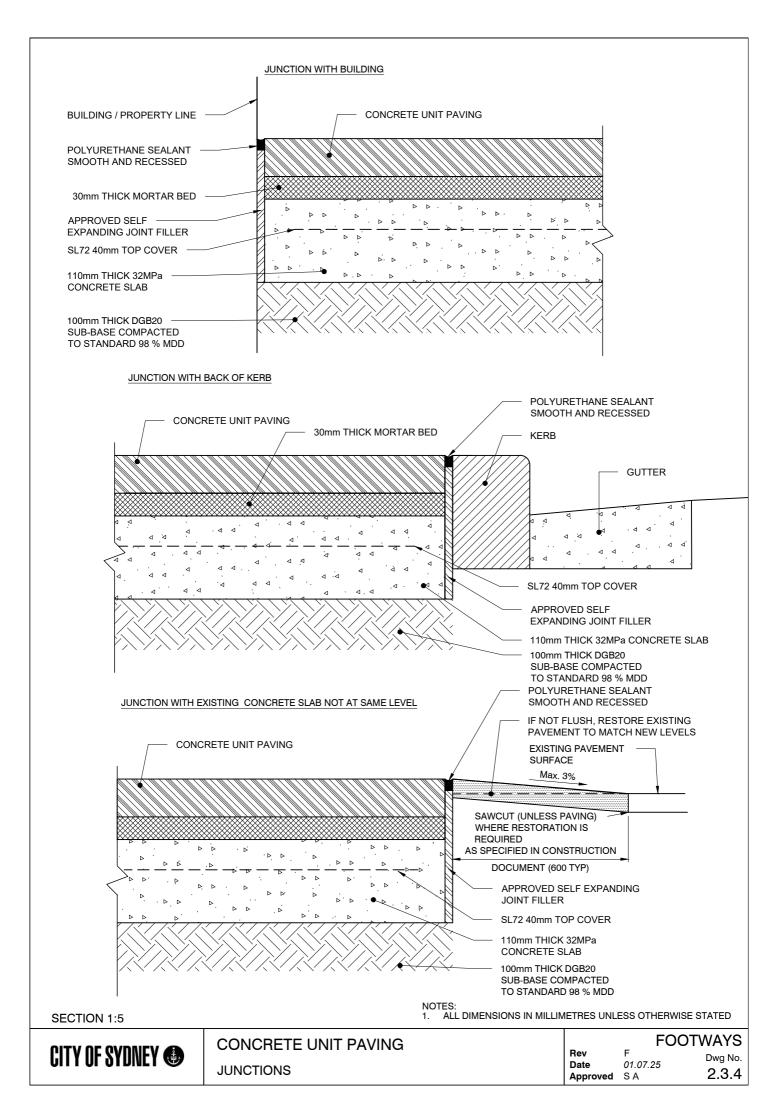


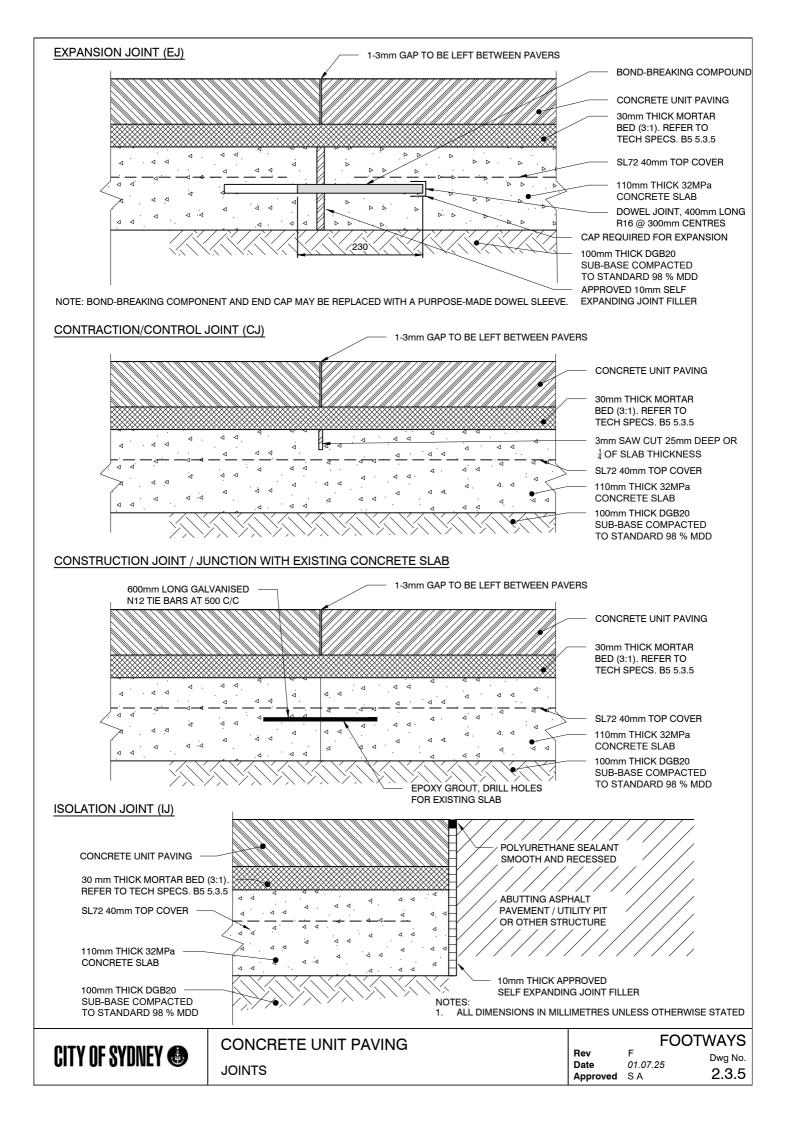
CONCRETE UNIT PAVING
CORNER ARRANGEMENT PLAN (TYPICAL)

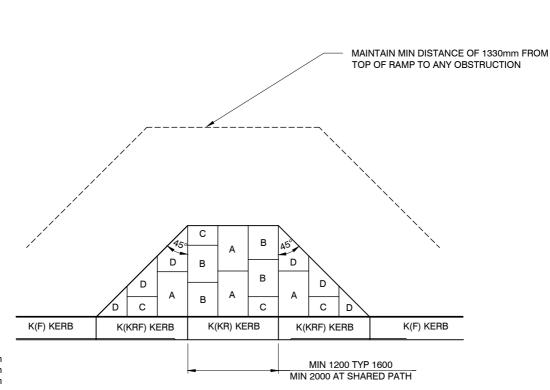
| FOOTWAYS | Rev | D | Dwg No. | Date | 01.12.19 | Dwg No. |

Approved PS

2.3.3







PAVER SIZES

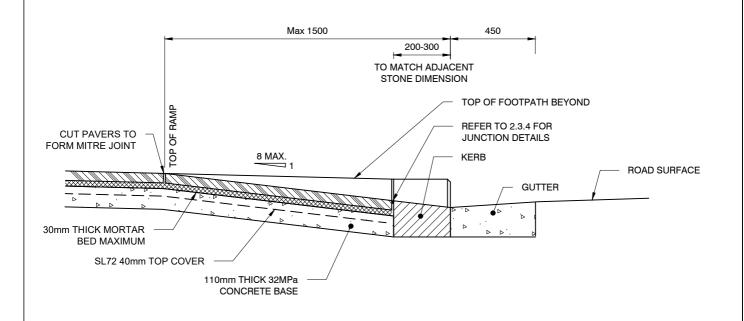
TYPE A: 600 x 400 x 50mm TYPE B: 450 x 400 x 50mm TYPE C: 300 x 400 x 50mm TYPE D: SPECIAL CUT

### KERB TYPES:

TYPE K(F): **FULL HEIGHT** 

TYPE K(KRF): PEDESTRIAN CHAMFERED TO FALL TYPE K(KR): PEDESTRIAN CROSSOVER

**PLAN 1:50** 



SECTION 1:20

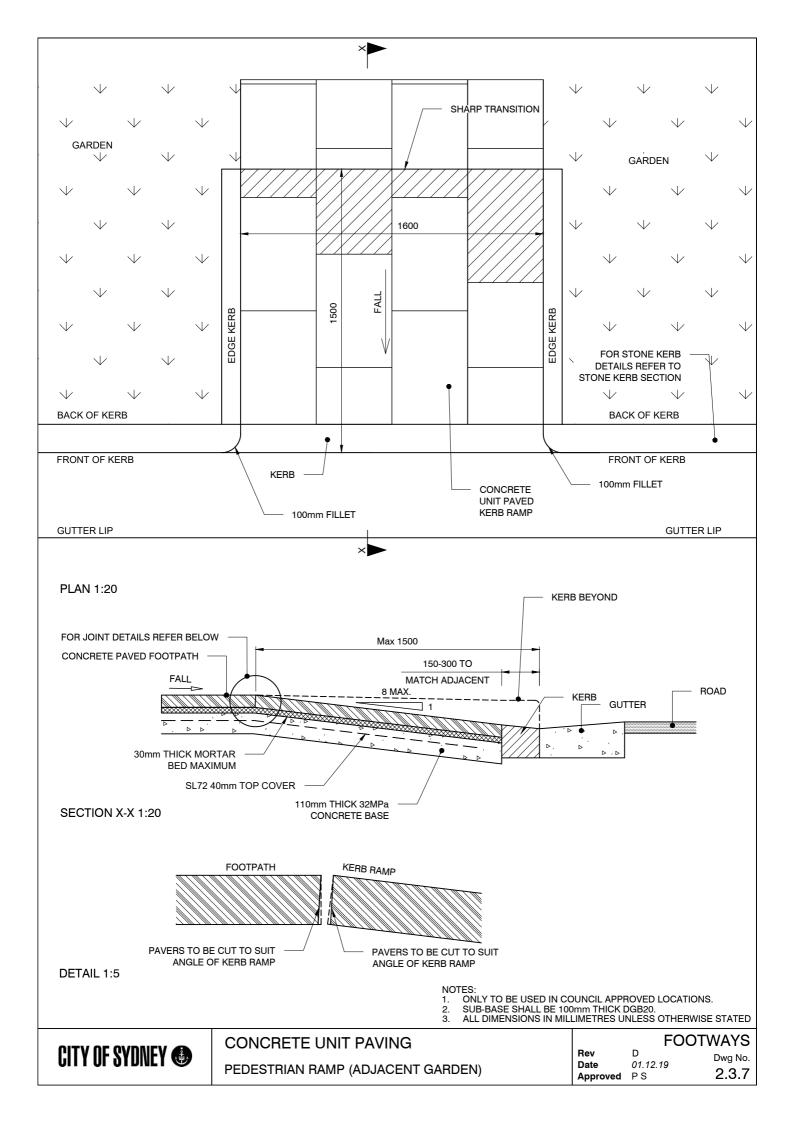
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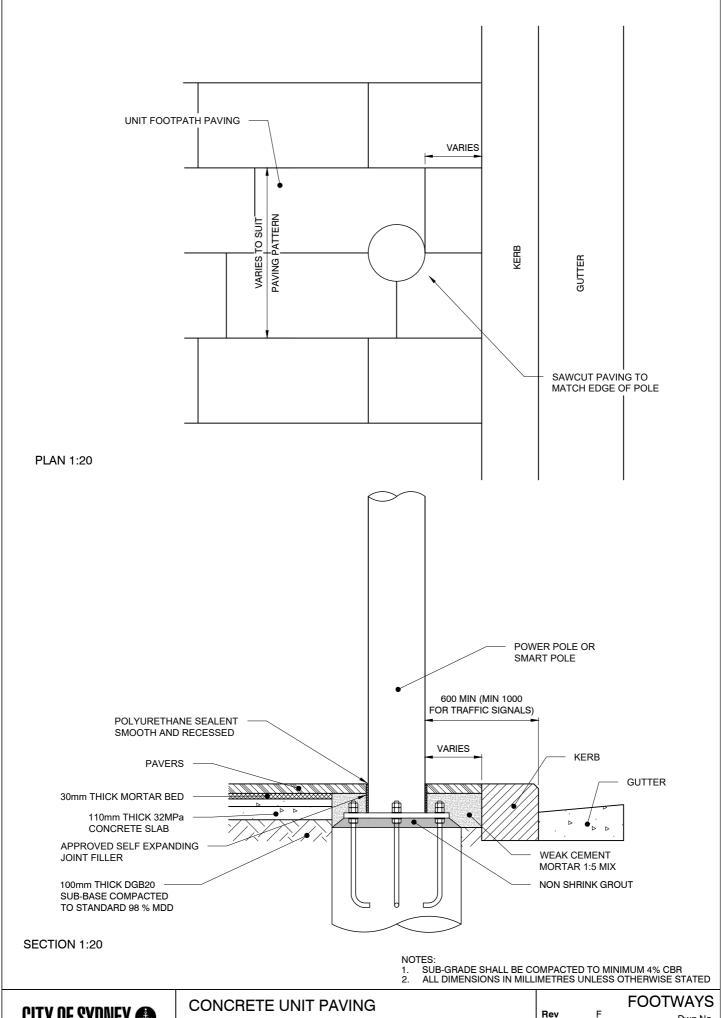
SUB-BASE SHALL BE 100mm THICK DGB20. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

**CONCRETE UNIT PAVING** PEDESTRIAN RAMP (TYPICAL)

**FOOTWAYS** Rev D Dwg No. 01.12.19 Date 2.3.6 Approved PS

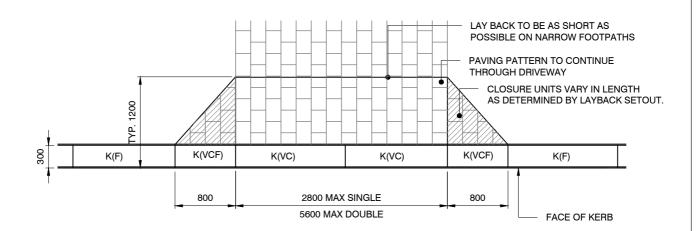




CITY OF SYDNEY **(** 

PAVING AROUND LIGHT POLES AND SMART POLES

Dwg No. 01.07.25 Date 2.3.8 **Approved** SA



### KERB TYPES:

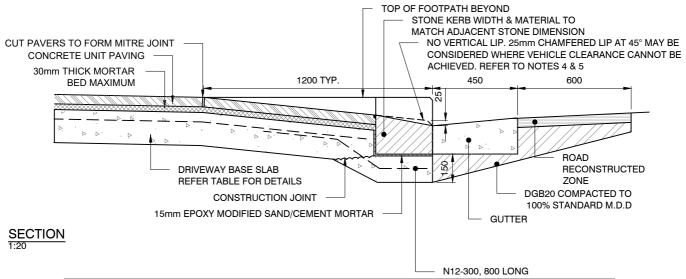
TYPE K(F): FULL HEIGHT

TYPE K(VC): VEHICULAR CHAMFERED TO FALL TYPE K(V): VEHICULAR CROSSOVER

1. ALIGN CENTRE OF DRIVEWAY WITH ENTRY

- 2. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE UNLESS APPROVED OTHERWISE
- 3. FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm SUBJECT TO VEHICLE CLEARANCE
- 4. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1
- 5. VERTICAL LIP ADJACENT TO CYCLEWAY MUST BE APPROVED BY CITY'S REPRESENTATIVE
- $6.\,$  SUB-BASE SHALL BE 100mm THICK DGB20 COMPACTED TO STANDARD 98% MDD 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

### PLAN 1:50



DRIVEWAY SPECIFICATIONS				
DRIVEWAY USE	CONCRETE STRENGTH	THICKNESS	REINFORCEMENT	PAVER SIZE
SINGLE RESIDENTIAL	32MPa	150	SL82, 50 TOP COVER	200 x 300 x 70
MULTI RESIDENTIAL	32MPa	200	SL82, 50 TOP COVER	200 x 300 x 70
COMMERCIAL/ INDUSTRIAL	32MPa	250	TWO LAYERS SL82 50 COVER TOP & BOTTOM	200 x 300 x 70

CITY OF SYDNEY **③** 

CONCRETE UNIT PAVING VEHICULAR CROSSING

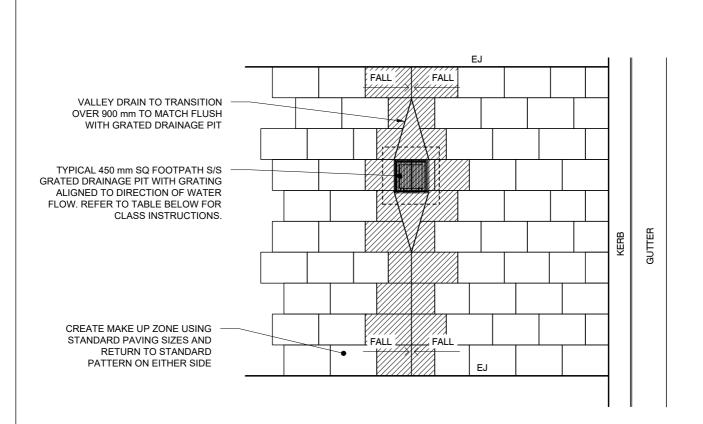
**FOOTWAYS** 

 Rev
 F

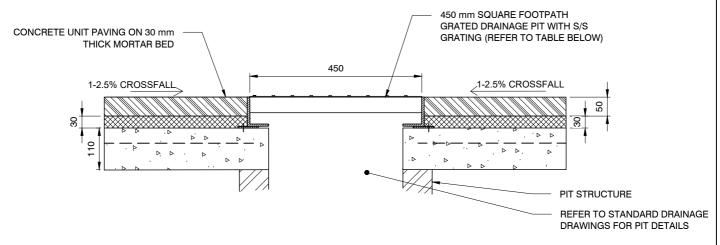
 Date
 01.07.25

 Approved
 S A

Dwg No. **2.3.9** 



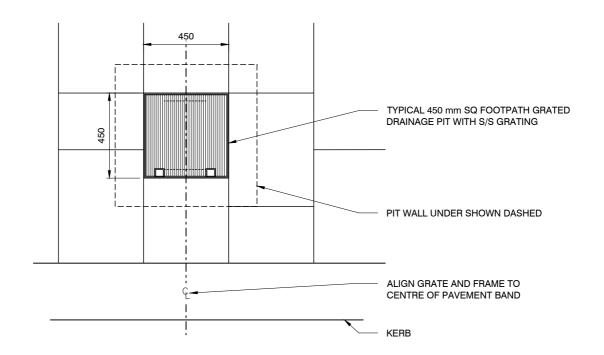
PLAN 1:50

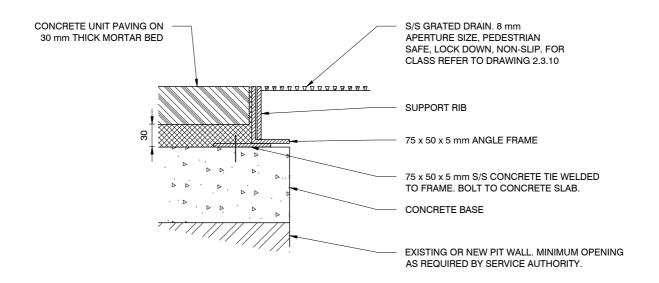


- ALIGN 450 mm SQUARE PIT FRAME TO PAVEMENT BANDING & TO PAVING MODULES AS SHOWN.
   DETAIL NOT TO BE USED WITHOUT SITE SPECIFIC APPROVAL FROM COUNCIL.
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

PIT LOCATION	MINIMUM PIT AND GRATE CLASS
FOOTWAY	C (PEDESTRIAN SAFE)
ROADWAY	D (CYCLE SAFE)
DRIVEWAY	D (CYCLE SAFE)

OITY OF OVERIEV	CONCRETE UNIT PAVING		FOOTWAYS	
CITY OF SYDNEY 🐠	STORMWATER VALLEY DRAIN	Rev Date Approved	16.11.22 S A	Dwg No. <b>2.3.10</b>





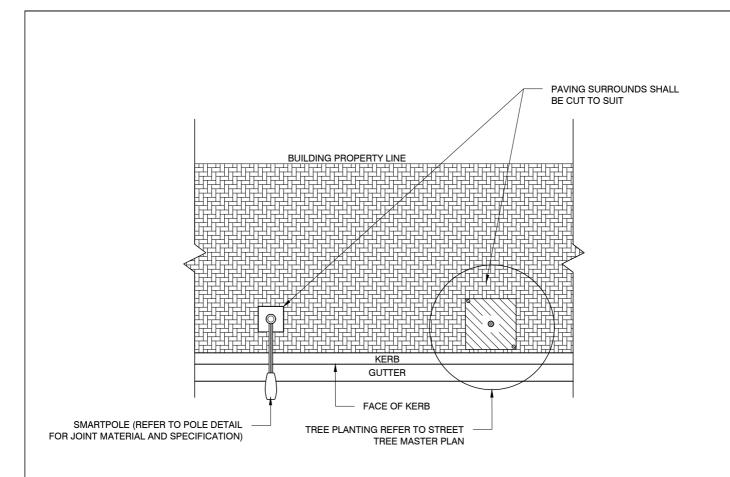
SECTION 1:5

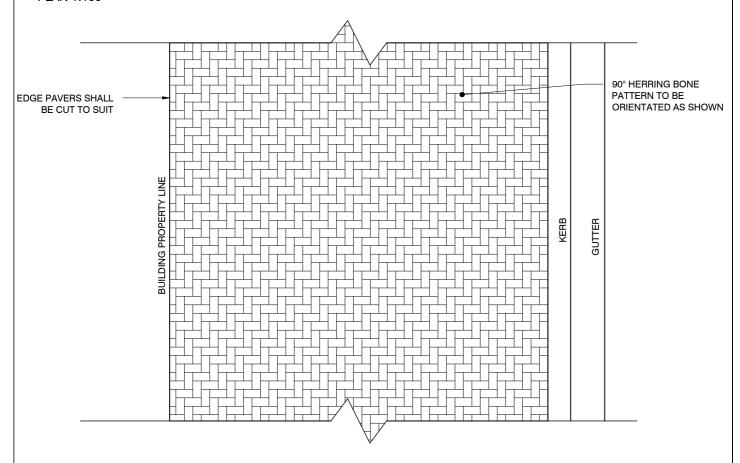
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



CONCRETE UNIT PAVING
STAINLESS STEEL GRATING TO DRAINAGE PIT

 Rev Date
 01.12.19 OPS
 Dwg No. Dwg No.





**TYPICAL PAVING MODULE 1:50** 

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



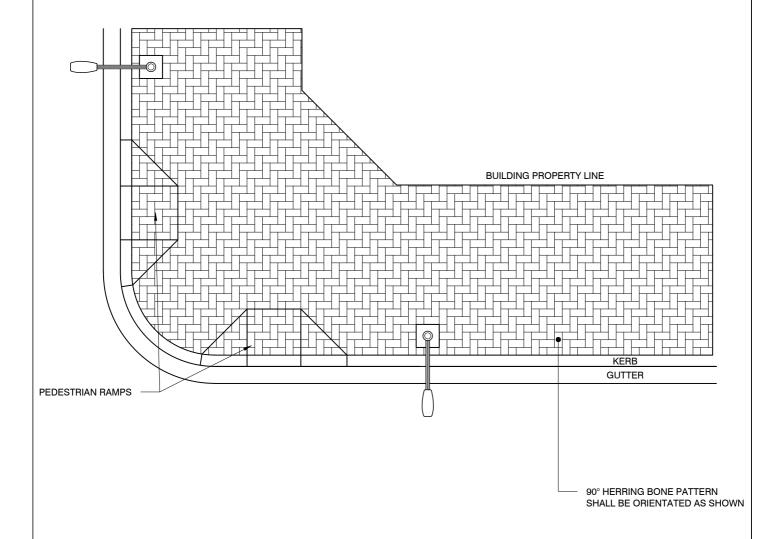
BRICK PAVING
GENERAL ARRANGEMENT PLAN

FOOTWAYS

Rev D
Date 01.12.19

Approved PS 2.4.1

# BRICK PAVING CORNER ARRANGEMENT PLAN



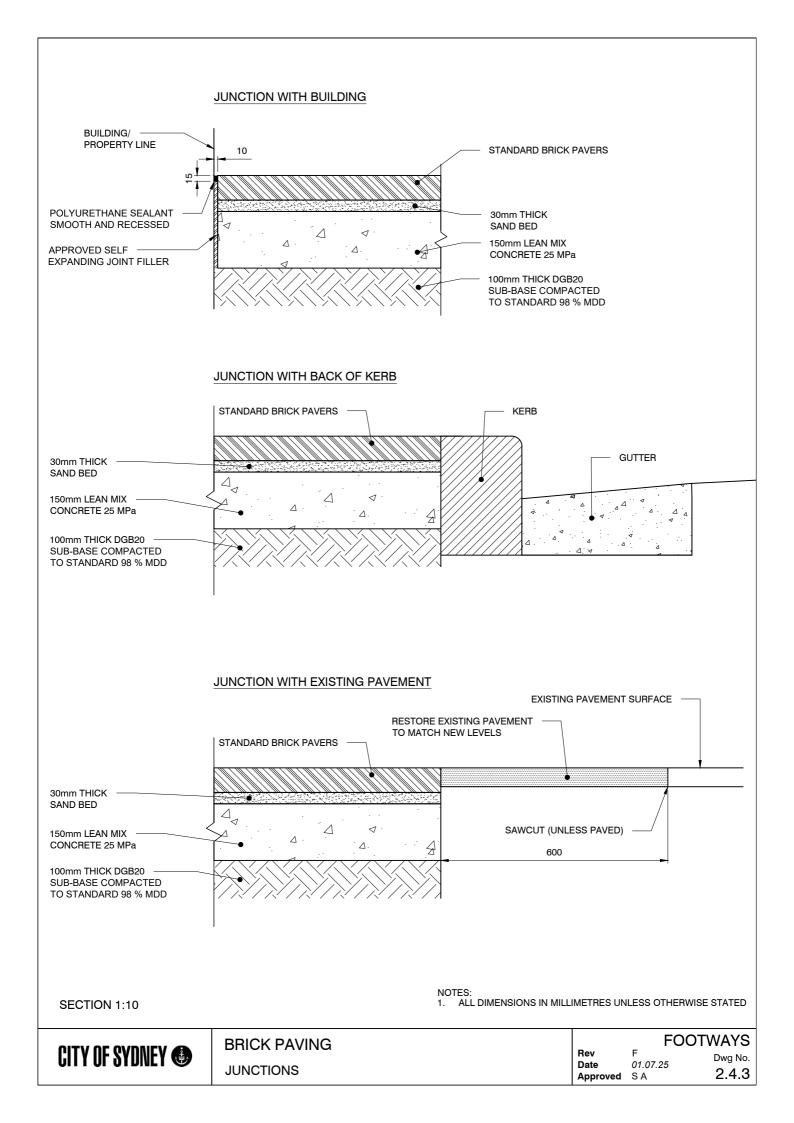
PLAN 1:100

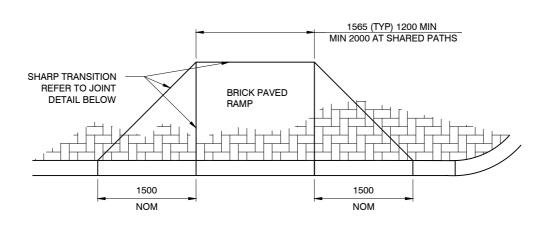
## NOTES:

- 1. FOR NON  $90^\circ$  INTERSECTIONS, PAVERS IN MAKE UP ZONE ARE TO BE CUT TO ACCOMMODATE THE INTERSECTION ANGLE.
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

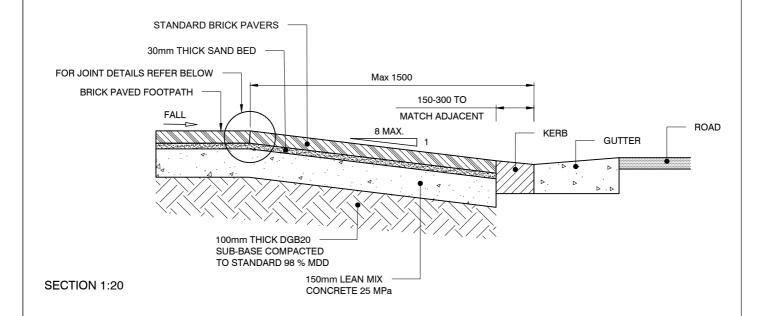
 Rev
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 Dwg No.

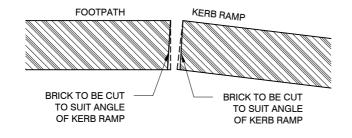
 Date
 01.12.19
 2.4.2





PLAN 1:50





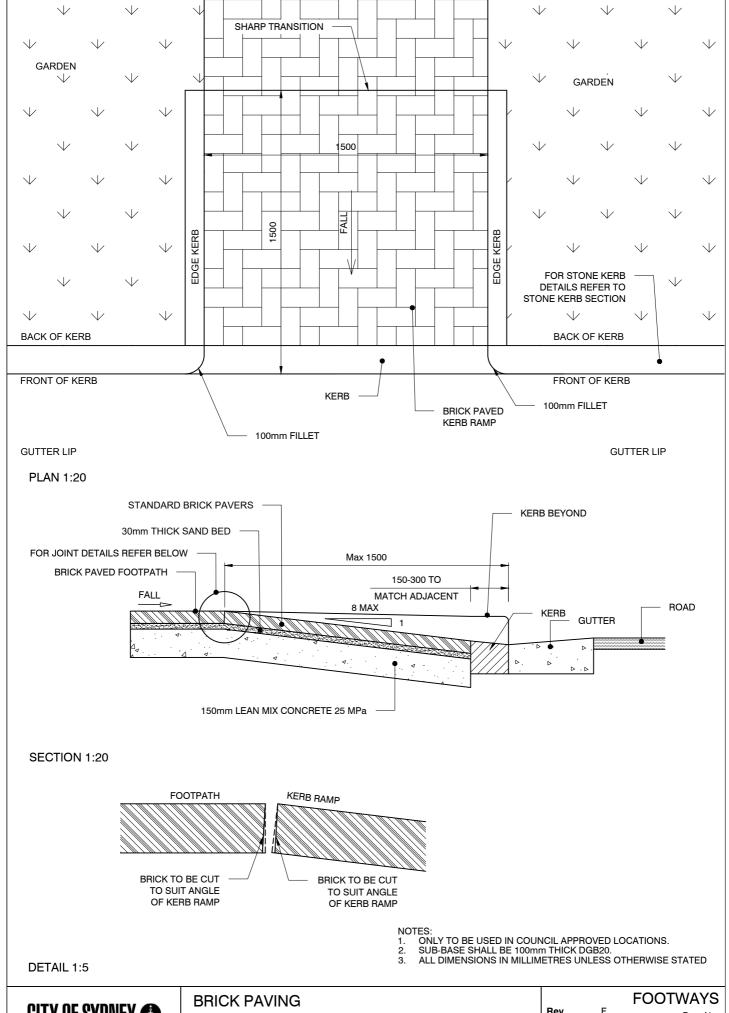
DETAIL 1:5

NOTES: 1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY **(** 

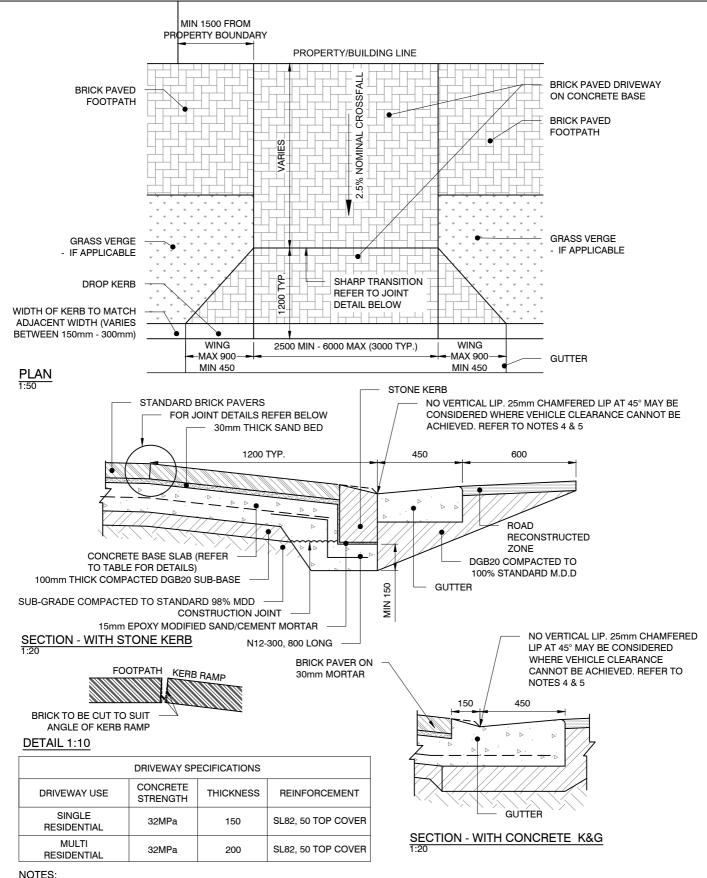
**BRICK PAVING** PEDESTRIAN RAMP (TYPICAL)

**FOOTWAYS** Rev Dwg No. Date 01.07.25 2.4.4 Approved SA



PEDESTRIAN RAMP (ADJACENT GARDEN)

Rev F Date 01.07.25 Approved S A 2.4.5

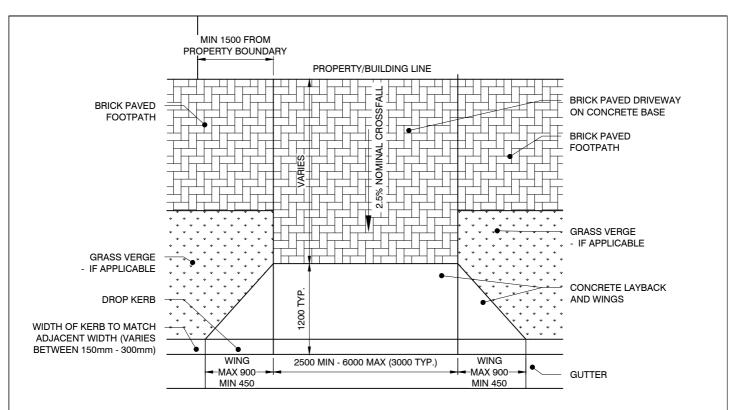


- ALIGN CENTRE OF DRIVEWAY WITH ENTRY
- DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
- 3. ALL DRIVEWAY CROSSINGS TO INCLUDE REINFORCED CONCRETE SLAB
- VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1
- VERTICAL LIP ADJACENT TO CYCLEWAY MUST BE APPROVED BY CITY'S REPRESENTATIVE
- FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm SUBJECT TO VEHICLE CLEARNACE, OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
- 7. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE DRIVEWAY.
- 8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

# CITY OF SYDNEY

**BRICK PAVING** RESIDENTIAL VEHICULAR CROSSING

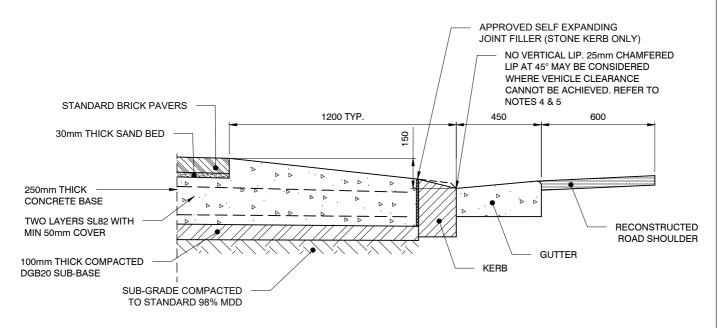
**FOOTWAYS** Rev Dwg No. 01 07 25 Date 2.4.6 Approved SA



**PLAN 1:50** 

#### NOTES:

- 1. ALIGN CENTRE OF DRIVEWAY WITH ENTRY
- 2. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
- 3. ALL DRIVEWAY CROSSINGS TO INCLUDE REINFORCED CONCRETE SLAB.
- 4. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1
- 5. VERTICAL LIP ADJACENT TO CYCLEWAY MUST BE APPROVED BY CITY'S REPRESENTATIVE
- FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm SUBJECT TO VEHICLE CLEARNACE, OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
- 7. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE DRIVEWAY.
- 8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



SECTION 1:20

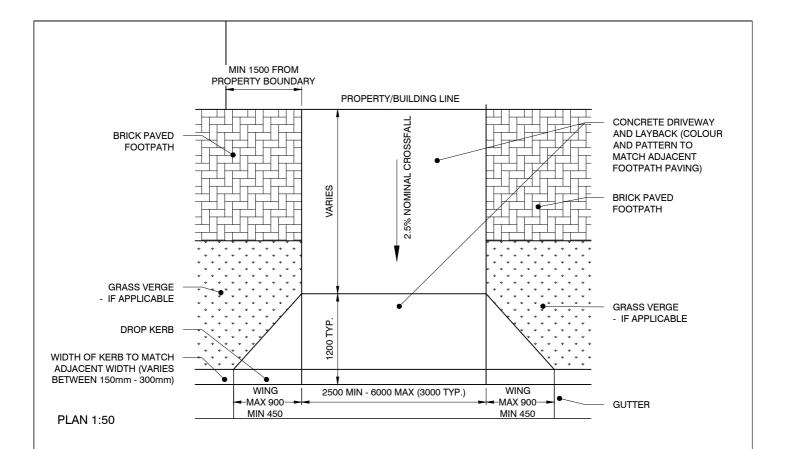


BRICK PAVING
COMMERCIAL (LIGHT) VEHICULAR CROSSING

FOOTWAYS

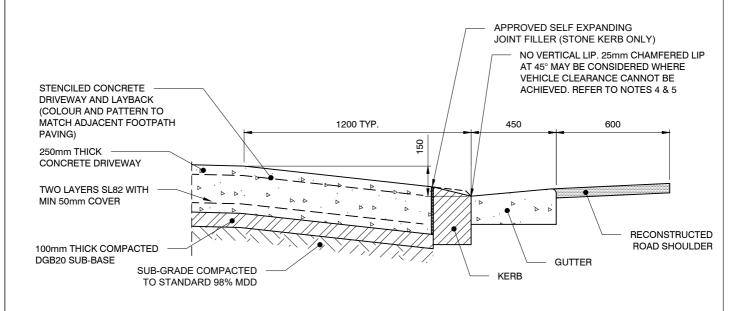
Rev F
Date 01.07.25
Approved S A

Dwg No. **2.4.7** 



### NOTES:

- 1. ALIGN CENTRE OF DRIVEWAY WITH ENTRY
- 2. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
- 3. ALL DRIVEWAY CROSSINGS TO INCLUDE REINFORCED CONCRETE SLAB.
- 4. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1
- 5. VERTICAL LIP ADJACENT TO CYCLEWAY MUST BE APPROVED BY CITY'S REPRESENTATIVE
- 6. FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm SUBJECT TO VEHICLE CLEARNACE, OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
- 7. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE DRIVEWAY.
- 8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



SECTION 1:20

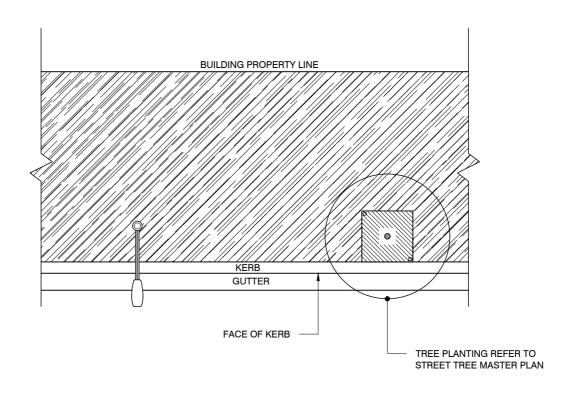


BRICK PAVING
COMMERCIAL/INDUSTRIAL VEHICULAR CROSSING

FOOTWAYS

Rev F
Date 01.07.25
Approved S A

Dwg No. **2.4.8** 



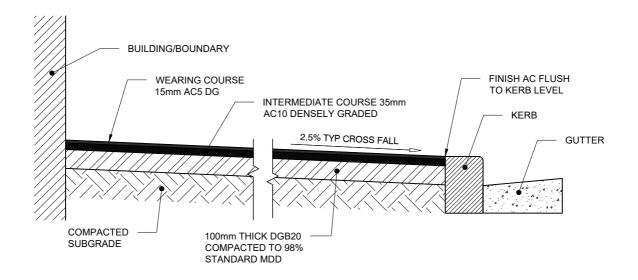
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



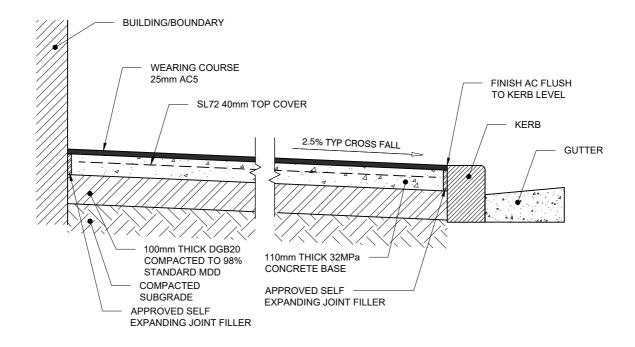
ASPHALT PAVING
GENERAL ARRANGEMENT PLAN

 Rev Date
 01.12.19 PS
 Dwg No. 2.5.1

## TYPICAL FOOTPATH SECTION - FLEXIBLE BASE



# TYPICAL FOOTPATH SECTION - RIGID BASE



# NOTES:

- 1. MODIFIED ASPHALTIC CONCRETE WITH POLYMER ADDITIVE TO INCREASE SOFTENING POINT TO BE USED IN LOCATIONS WITH EXISTING OR PROPOSED OUTDOOR DINING (FULL FRONTAGE).
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**SCALE 1:20** 



ASPHALT PAVING
TYPICAL SECTIONS

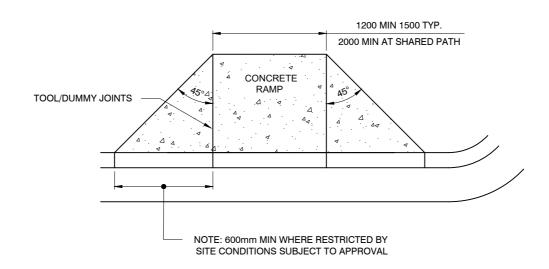
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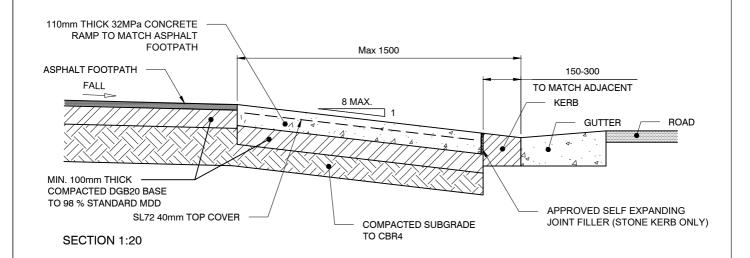
 Date
 01.12.19

 Approved
 P S

Rev

2.5.2



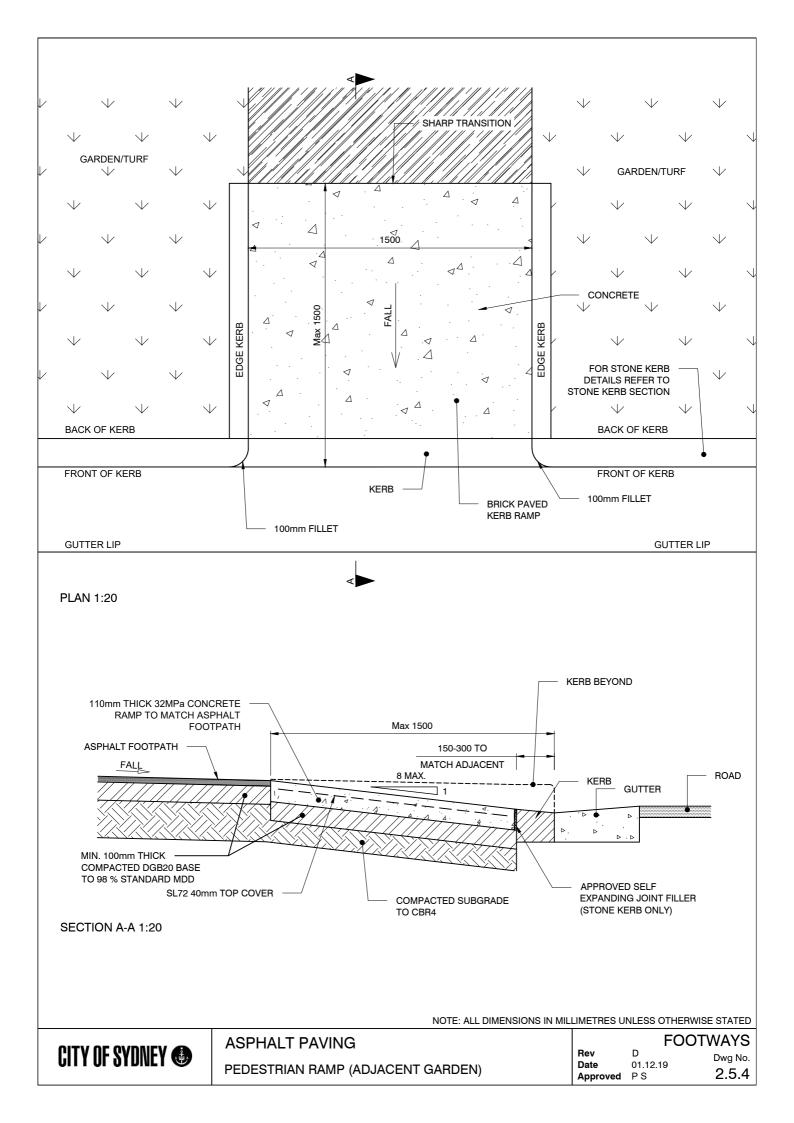


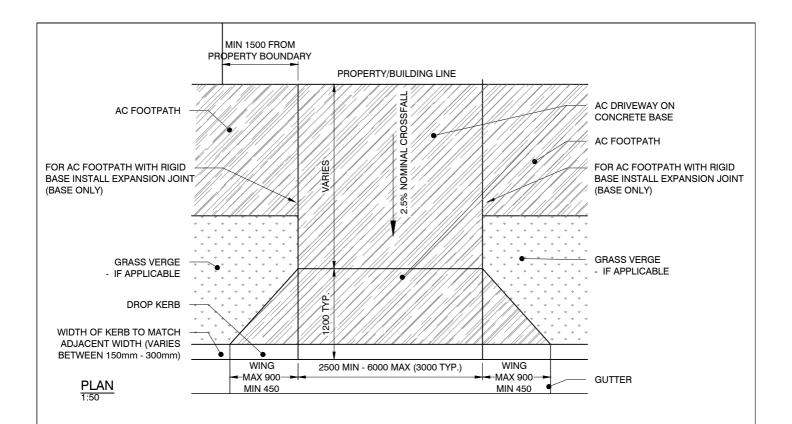
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

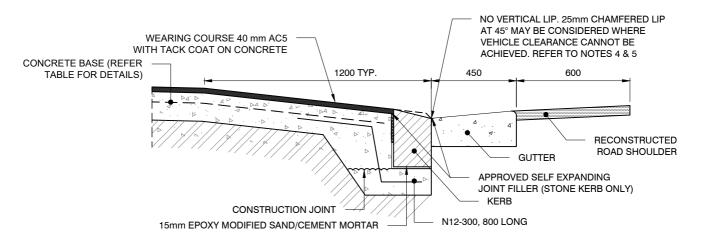


ASPHALT PAVING PEDESTRIAN RAMP

 $\begin{array}{ccc} \text{Rev} & \text{FOOTWAYS} \\ \text{Rev} & \text{D} \\ \text{Date} & \textit{01.12.19} \\ \text{Approved} & \text{P S} & 2.5.3 \\ \end{array}$ 







# SECTION (WITH STONE KERB)

WEARING COURSE 40 mm AC5 - WITH TACK COAT ON CONCRETE

DRIVEWAY SPECIFICATIONS				
DRIVEWAY USE	CONCRETE STRENGTH	THICKNESS	REINFORCEMENT	
SINGLE RESIDENTIAL	32MPa	150	SL82 50 TOP COVER	
MULTI RESIDENTIAL	32MPa	200	SL82 50 TOP COVER	

150 450

GUTTER

NO VERTICAL LIP. 25mm
CHAMFERED LIP AT 45° MAY BE
CONSIDERED WHERE VEHICLE
CLEARANCE CANNOT BE
ACHIEVED. REFER TO NOTES 4 & 5

SECTION (WITH CONCRETE KERB)

### NOTES:

- I. ALIGN CENTRE OF DRIVEWAY WITH ENTRY
- 2. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
- 3. ALL DRIVEWAY CROSSINGS TO INCLUDE REINFORCED CONCRETE SLAB.
- 4. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1
- 5. VERTICAL LIP ADJACENT TO CYCLEWAY MUST BE APPROVED BY CITY'S REPRESENTATIVE
- FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm SUBJECT TO VEHICLE CLEARNACE, OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
- 6. SUB-BASE SHALL BE 100mm THICK DGB20 COMPACTED TO STANDARD 98% MDD
- 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY 🌑

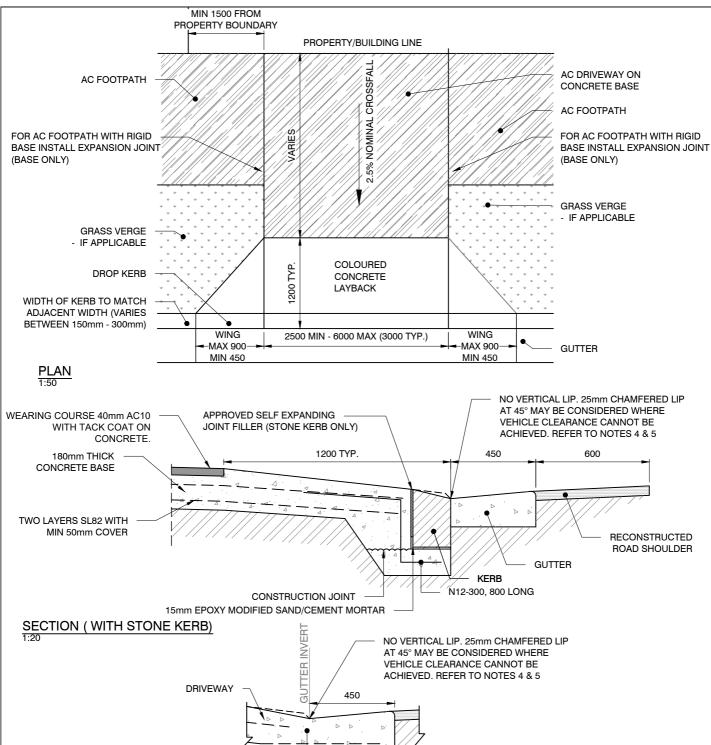
ASPHALT PAVING
RESIDENTIAL VEHICLE CROSSING

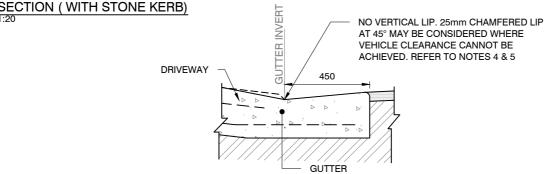
FOOTWAYS

Date 01.07.25 Approved S A

Rev

Dwg No. **2.5.5** 





# SECTION (WITH CONCRETE KERB)

NOTES:

- 1. THIS DRIVEWAY SUIT COMMERCIAL VEHICULAR CROSSINGS SUBJECTED TO AXLE LOADING OF 10 TONNES OR LIGHTER.
- 2. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
- ALL DRIVEWAY CROSSINGS TO INCLUDE REINFORCED CONCRETE SLAB.
- VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1
- VERTICAL LIP ADJACENT TO CYCLEWAY MUST BE APPROVED BY CITY'S REPRESENTATIVE
- FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm, SUBJECT TO VEHICLE CLEARANCE OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
- FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE CONCRETE DRIVEWAY.
- 8. CONCRETE TO BE MINIMUM 32MPa.
- 6. SUB-BASE SHALL BE 100mm THICK DGB20 COMPACTED TO STANDARD 98% MDD
- 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



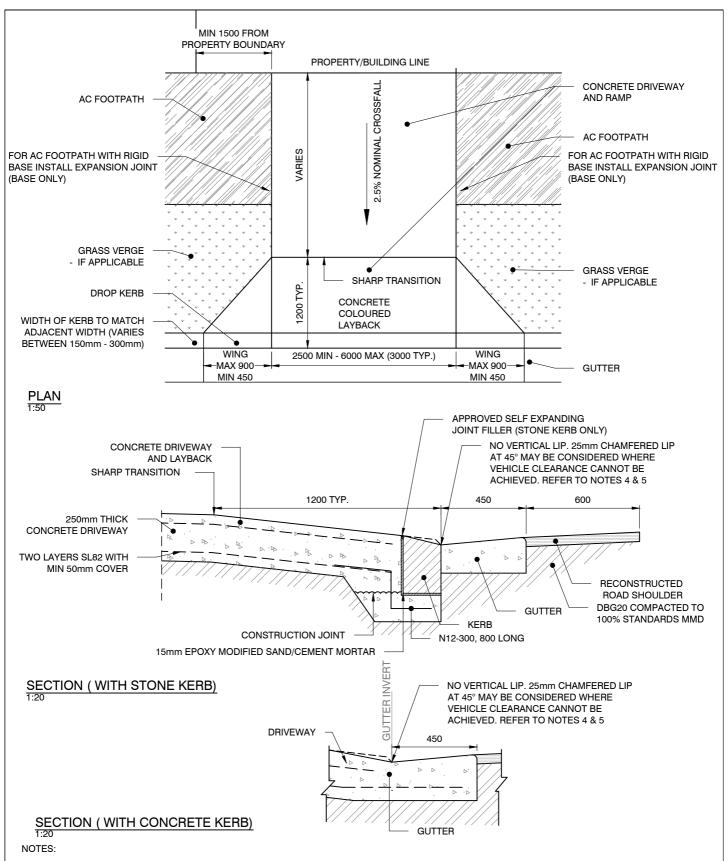
2.5.6

Rev

Date

Approved

SA



- 1. THIS DRIVEWAY SUIT COMMERCIAL VEHICULAR CROSSINGS SUBJECTED TO AXLE LOADING OF 10 TONNES OR LIGHTER.
- 2. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
- 3. ALL DRIVEWAY CROSSINGS TO INCLUDE REINFORCED CONCRETE SLAB.
- 4. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1
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- 7. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE CONCRETE DRIVEWAY.
- 8. CONCRETE TO BE MINIMUM 32MPa.
- 9. SUB-BASE SHALL BE 100mm THICK DGB20.
- 10. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



ASPHALT PAVING
COMMERCIAL/INDUSTRIAL VEHICLE CROSSING

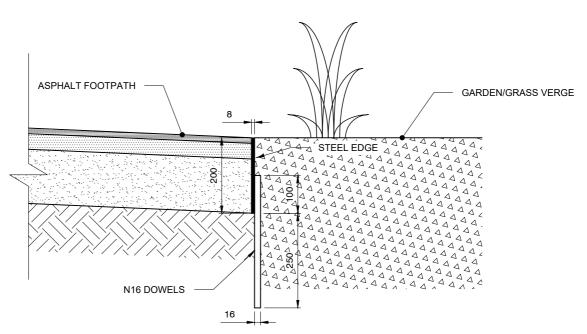
FOOTWAYS

 Rev
 F

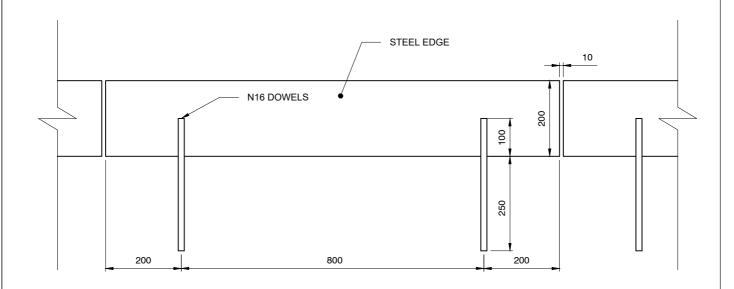
 Date
 01.07.25

 Approved
 S A

Dwg No. **2.5.7** 



SECTION 1:10



### **ELEVATION 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.
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

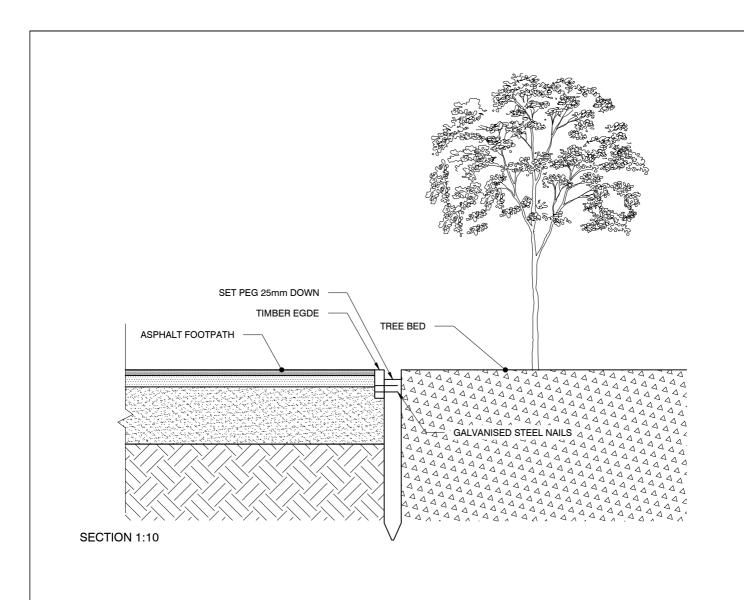


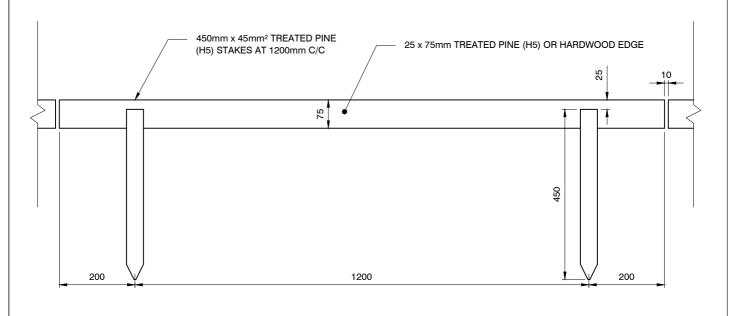
**ASPHALT PAVING EDGE DETAIL - GRASS/GARDEN**  **FOOTWAYS** 

D 01.12.19 Date Approved PS

Rev

Dwg No. 2.5.8



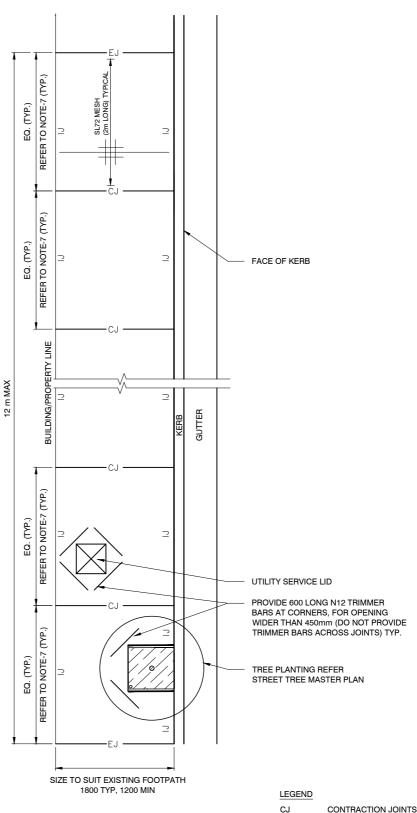


**ELEVATION 1:10** 

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY 🏶

ASPHALT PAVING EDGE DETAIL - TREE BED  $\begin{array}{ccc} \text{Rev} & \text{FOOTWAYS} \\ \text{Rev} & \text{D} \\ \text{Date} & \textit{01.12.19} \\ \text{Approved} & \text{P S} & 2.5.9 \\ \end{array}$ 



- DETAIL ONLY TO BE USED IF MATCHING EXISTING, CITY REPRESENTATIVE TO APPROVE.
  ALL EXPOSED CONCRETE SURFACES MUST BE FINISHED WITH A MEDIUM BROOM FINISH GENERALLY PERPENDICULAR TO THE DIRECTION OF TRAVEL
- ALL CONCRETE SLABS MUST HAVE AN ISOLATION JOINT ALONG THE BUILDING LINE, KERB LINE AND ANY PENETRATIONS (EXCEPT WHEN USING BRICK KERBS).
- ANY FOOTPATH THAT MAY BE SUBJECT TO VEHICULAR LOADS (SUCH AS GARBAGE TRUCKS IN NARROW LANES OR AT INTERSECTIONS WITH A TIGHT TURNING CIRCLE WHERE VEHICLES MAY MOUNT THE FOOTWAY) MUST HAVE AT LEAST 150 mm THICK REINFORCED CONCRETE FOOTPATH WITH SL92 MESH (40 mm TOP COVER ).

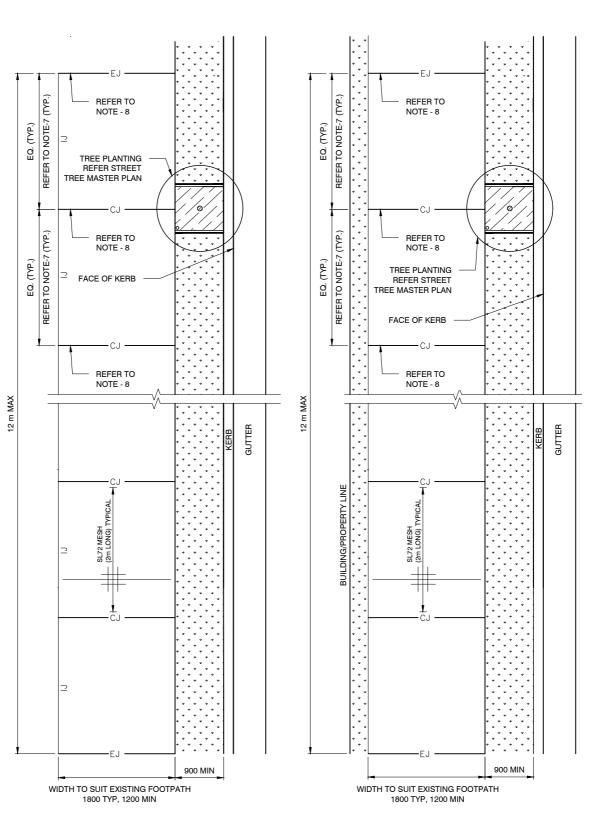
- CONCRETE FOOTWAYS TO BE 1.8 m WIDE TYPICAL (MINIMUM OF 1.2 m WIDE, OR AS DIRECTED BY COUNCIL.)
  TYPICALLY ALLOW FOR EXPANSION JOINTS AT 12 m (MAX) SPACING
  CONTRACTION JOINT SPACINGS OR SLAB PANELS TO A MAXIMUM ASPECT RATIO OF 1:1.5 (NO GREATER THAN 1.5 TIMES THE WIDTH OF THE PATH) AND EQUALLY SPACED BETWEEN EXPANSION JOINTS.
- TRIPSTOP OR EQUIVALENT TO BE USED ON CONTRACTION/ CONTROL JOINTS ADJACENT TO TREE. TRIPSTOP JOINTS TO EXTEND ONE FULL PANEL PAST DRIP LINE OF MATURE TREE.

9. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

EJ **EXPANSION JOINTS** ISOLATION JOINTS



Rev Ε 16.11.22 Date Approved SA



- DETAIL ONLY TO BE USED IF MATCHING EXISTING, CITY REPRESENTATIVE TO APPROVE.
   ALL EXPOSED CONCRETE SURFACES MUST BE FINISHED WITH A MEDIUM BROOM FINISH GENERALLY PERPENDICULAR TO THE DIRECTION OF TRAVEL.
- ALL CONCRETE SLABS MUST HAVE AN ISOLATION JOINT ALONG THE BUILDING LINE, KERB LINE AND ANY PENETRATIONS (EXCEPT WHEN USING BRICK KERBS).
- ANY FOOTPATH THAT MAY BE SUBJECT TO VEHICULAR LOADS (SUCH AS GARBAGE TRUCKS IN NARROW LANES OR AT INTERSECTIONS WITH A TIGHT TURNING CIRCLE WHERE VEHICLES MAY MOUNT THE FOOTWAY) MUST HAVE AT LEAST 150 mm THICK REINFORCED CONCRETE FOOTPATH WITH SL92 MESH (40 mm TOP COVER ).

- CONCRETE FOOTWAYS TO BE 1.8 m WIDE TYPICAL (MINIMUM OF 1.2 m WIDE, OR AS DIRECTED BY COUNCIL.)
  TYPICALLY ALLOW FOR EXPANSION JOINTS AT 12 m (MAX) SPACING
  CONTRACTION JOINT SPACINGS OR SLAB PANELS TO A MAXIMUM ASPECT RATIO OF 1:1.5 (NO GREATER THAN 1.5 TIMES THE WIDTH OF THE PATH) AND EQUALLY SPACED BETWEEN EXPANSION JOINTS.
  TRIPSTOP OR EQUIVALENT TO BE USED ON CONTRACTION/ CONTROL JOINTS ADJACENT TO TREE. TRIPSTOP JOINTS TO
- EXTEND ONE FULL PANEL PAST DRIP LINE OF MATURE TREE
- 9. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CONTRACTION JOINTS **EXPANSION JOINTS** 

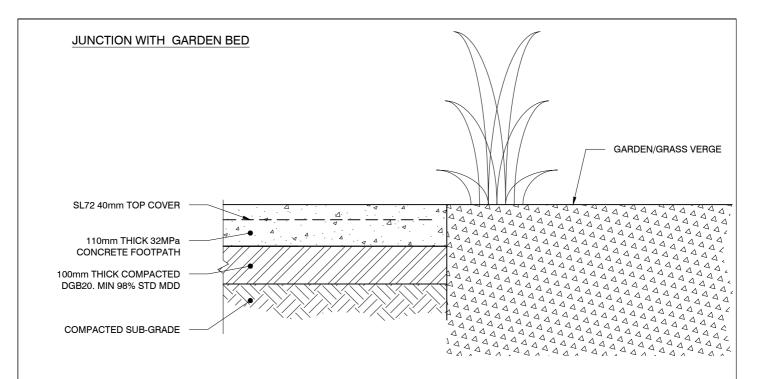
ISOLATION JOINTS



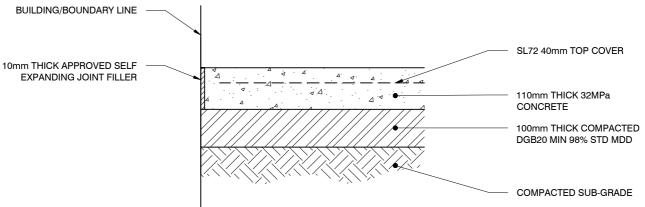
**FOOTWAYS** 

Rev Ε 16.11.22 Date SA Approved

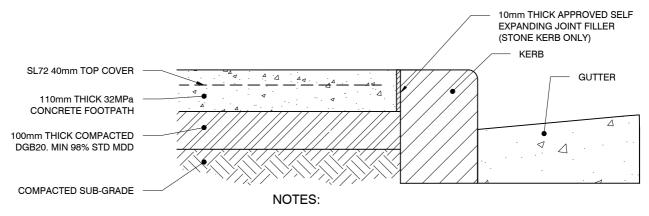
Dwg No. 2.6.2



# JUNCTION WITH BUILDING BUILDING/BOUNDARY LINE



# JUNCTION WITH BACK OF KERB



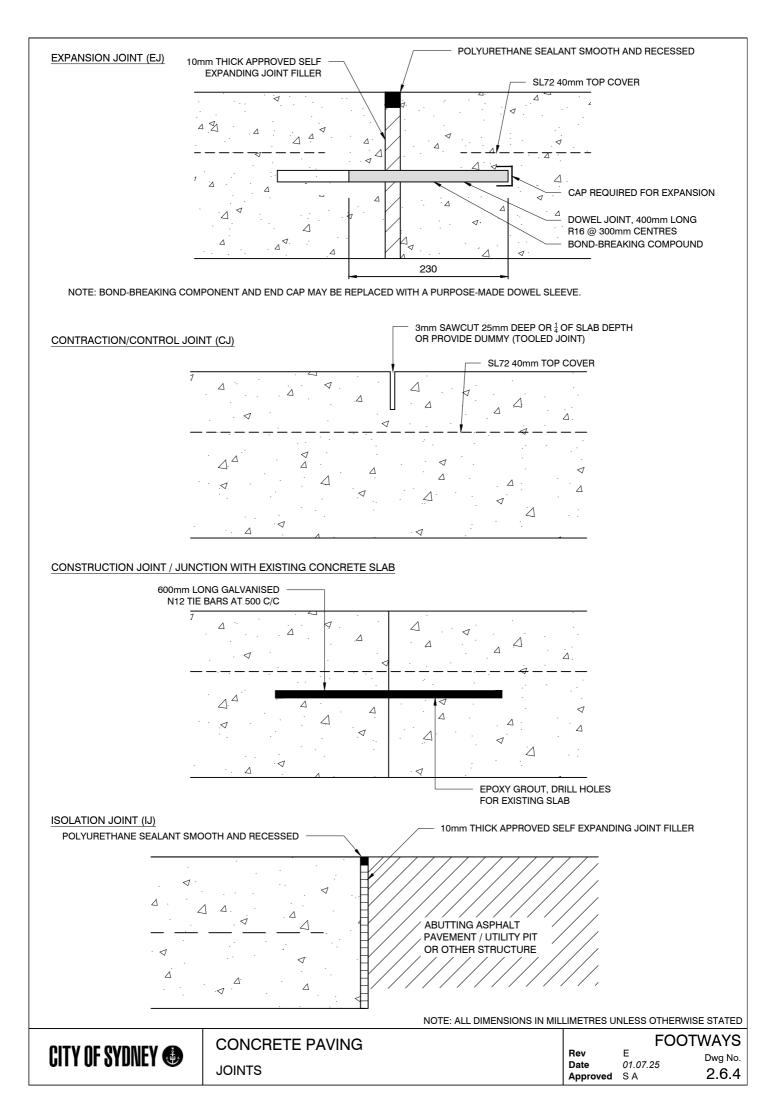
SECTION 1:10

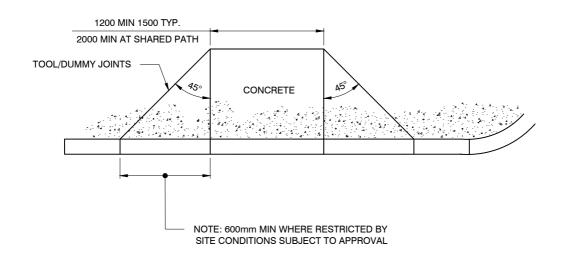
- FOR KERB AND GUTTER DETAILS REFER TO STANDARD DRAWING # 1.1.1 & 1.1.2
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

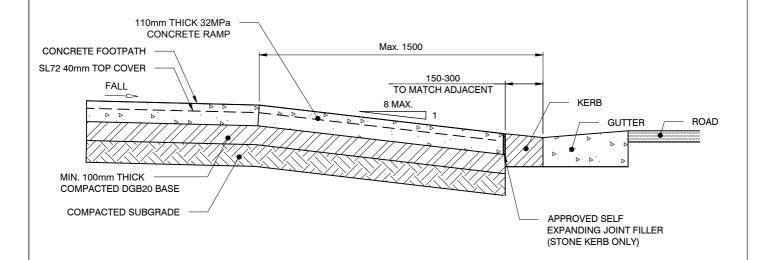
**CONCRETE PAVING JUNCTIONS** 

**FOOTWAYS** D Rev Dwg No. 01 12 19 Date 2.6.3 Approved PS





PLAN 1:50



SECTION 1:20

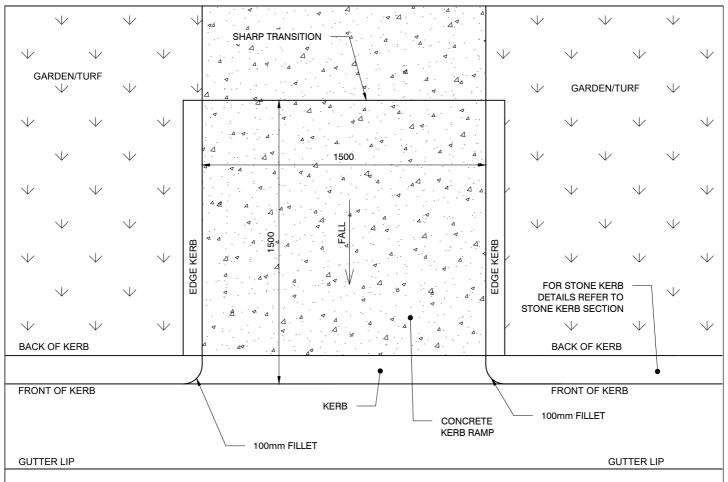
# NOTES:

- 1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
- 2. THE 45° WING ANGLE ON KERB RAMPS IS THE GENERAL STANDARD AND TRNSW RECOMMENDATION.
  IF RESTRICTED BY SITE CONDITIONS, THE WING ANGLE CAN BE REDUCED AND DESIGNED TO SUIT SUBJECT TO APPROVAL.

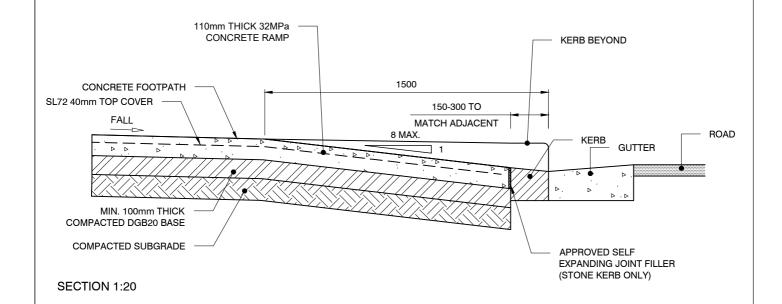
CITY	OF SYDNEY 🔮	
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CONCRETE PAVING
PEDESTRIAN RAMP

 $\begin{array}{ccc} \text{Rev} & \text{FOOTWAYS} \\ \text{Rev} & \text{D} & \text{Dwg No.} \\ \text{Date} & \textit{01.12.19} \\ \text{Approved} & \text{P S} & 2.6.5 \\ \end{array}$ 





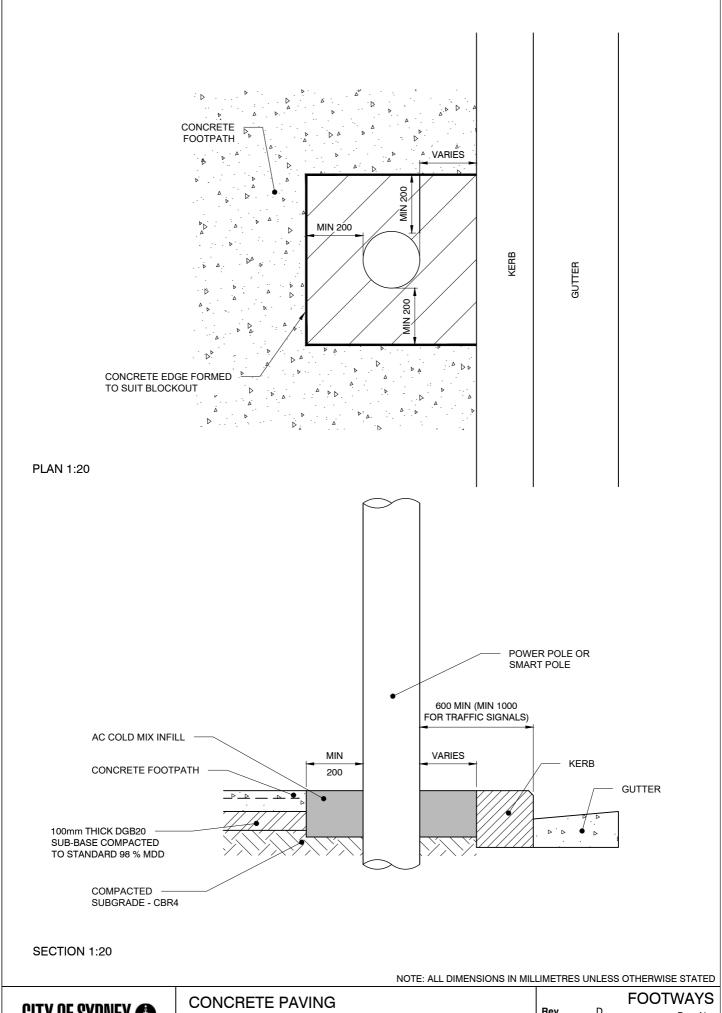


- ONLY TO BE USED IN COUNCIL APPROVED LOCATIONS.
  ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



**CONCRETE PAVING** PEDESTRIAN RAMP (ADJACENT GARDEN)

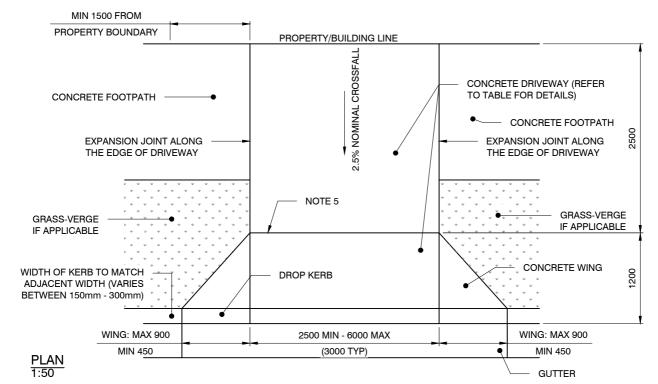
**FOOTWAYS** Rev D Dwg No. Date 01.12.19 2.6.6 Approved PS



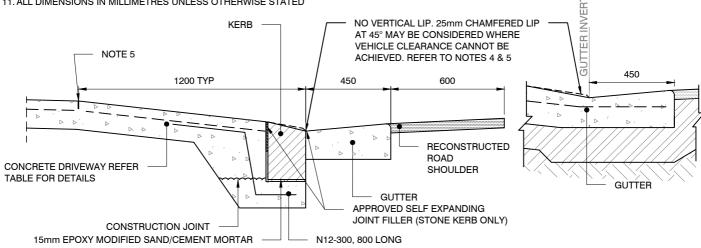
CITY OF SYDNEY **(** 

PAVING AROUND LIGHT POLES AND SMARTPOLES

D Rev Dwg No. Date 01.12.19 2.6.7 Approved PS



- 1. ALIGN CENTRE OF DRIVEWAY WITH ENTRY
- 2. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
- 3. DRIVEWAY CONCRETE SHALL BE WOOD FLOAT FINISHED.
- VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1.
- 5. VERTICAL LIP ADJACENT TO CYCLEWAY MUST BE APPROVED BY CITY'S REPRESENTATIVE
- FOR NARROW FOOTPATHS LENGTH OF LAYBACK TO BE AS SHORT AS POSSIBLE, SUBJECT TO VEHICLE CLEARANCE OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
- FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE DRIVEWAY.
- 8. PROVIDE CONTRACTION/ CONTROL JOINT AT CHANGE IN GRADE AND IN LINE WITH FOOTPATH
- 9. SUB-BASE SHALL BE 100mm THICK DGB20
- 10. SUB-GRADE SHALL BE COMPACTED TO STANDARD 98% MDD
- 11. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



# SECTION (STONE KERB)

SECTION (CONCRETE KERB)

DRIVEWAY SPECIFICATIONS					
DRIVEWAY USE	CONCRETE STRENGTH	THICKNESS	REINFORCEMENT		
SINGLE RESIDENTIAL	32MPa	150	SL82, 50 TOP COVER		
MULTI RESIDENTIAL	32MPa	200	SL82, 50 TOP COVER		
COMMERCIAL/ INDUSTRIAL	32MPa	250	TWO LAYERS SL82 50 COVER TOP & BOTTOM		

CITY OF SYDNEY

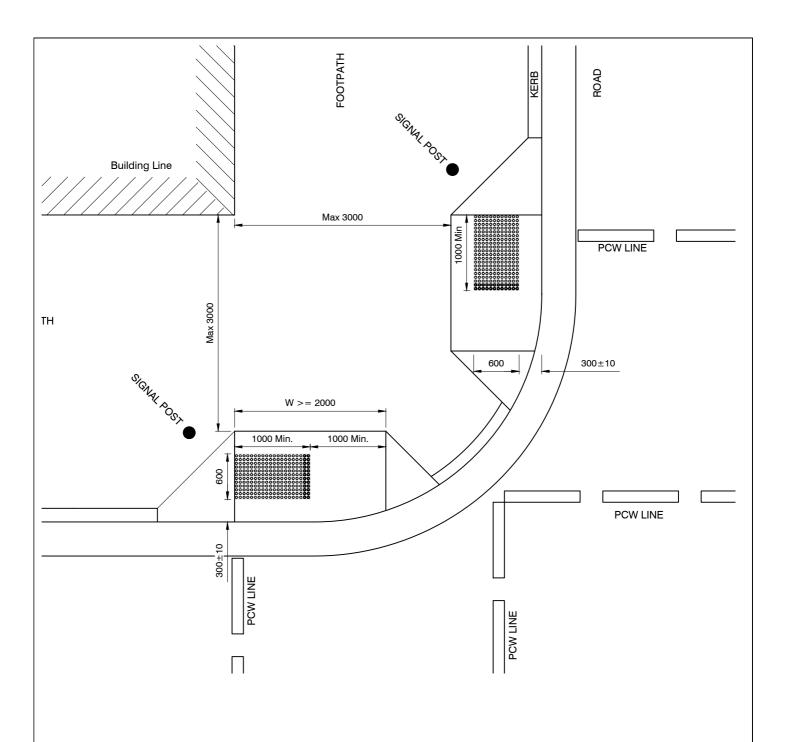
CONCRETE PAVING VEHICULAR CROSSING

**FOOTWAYS** 

01 07 25 Date Approved SA

Rev

Dwg No. 2.6.8



# **LEGEND**



WARNING TGSI



**DIRECTIONAL TGSI** 

# NOTES:

- ALL WORK SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE AS/NZS 1428.4.1 2009 & CITY'S "SYDNEY STREETS TECHNICAL SPECIFICATION", OR AS DIRECTED BY THE CITY'S REPRESENTATIVE.
- 2. FOR RAMPS WIDER THAN 2 METRES, WIDTH OF TACTILE INDICATORS ON THE RAMP SHOULD BE MINIMUM 1000MM. WHEN WIDTH OF RAMP IS LESS THAN OR EQUAL TO TWO (2) METRES WIDTH OF TACTILE INDICATOR'S BLOCK SHALL MATCH THE RAMP.
- 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.
- 4. 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.
- 5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

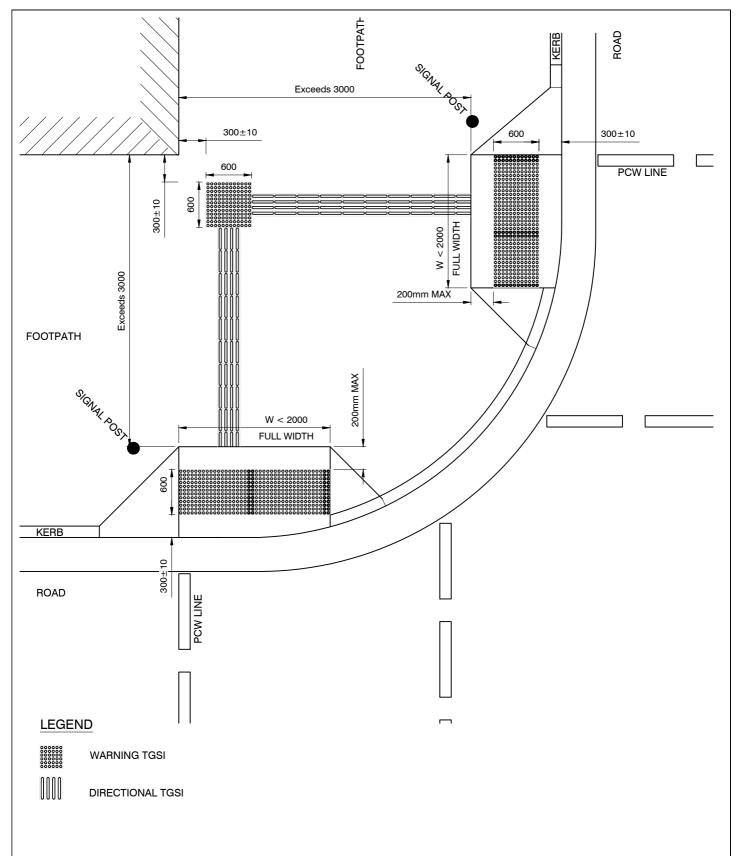


TGSI
TYPICAL LAYOUT
TOP OF RAMP WITHIN 3000MM FROM BUILDING LINE

Rev D Dwg No.

Date 01.12.19 Approved PS

2.7.1



- 1. ALL WORK SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE AS/NZS 1428.4.1 2009 & CITY'S "SYDNEY STREETS TECHNICAL SPECIFICATION", OR AS DIRECTED BY THE CITY'S REPRESENTATIVE.
- 2. FOR RAMPS WIDER THAN 2 METRES, WIDTH OF TACTILE INDICATORS ON THE RAMP SHOULD BE MINIMUM 1000MM. WHEN WIDTH OF RAMP IS LESS THAN OR EQUAL TO TWO (2) METRES WIDTH OF TACTILE INDICATOR'S BLOCK SHALL MATCH THE RAMP.
- 3. 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.
- 4. 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.
- 5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



TGSI
TYPICAL LAYOUT
TOP OF RAMP BEYOUND 3000MM FROM BUILDING LINE

TOP OF RAMP BEYOUND 3000MM FROM BUILDING LINE

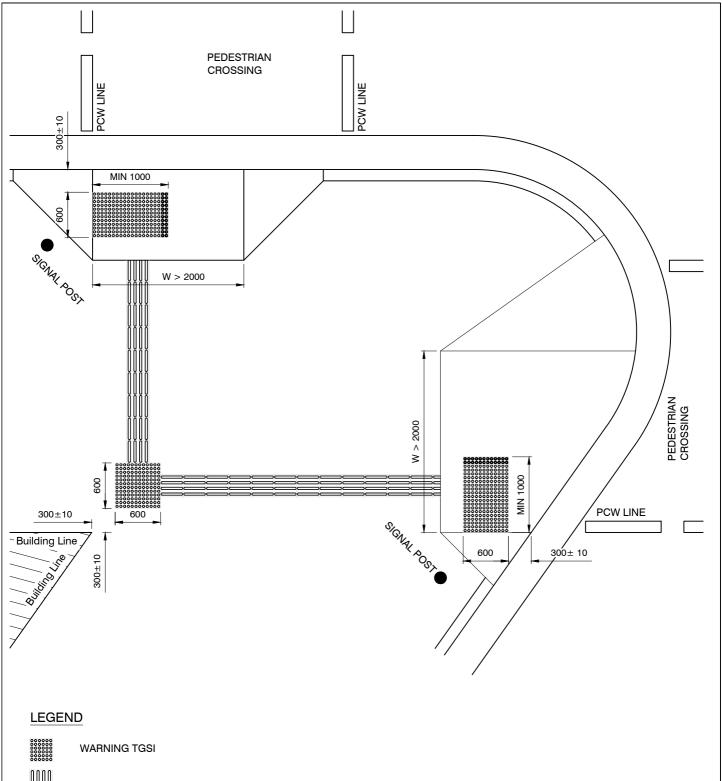
TOP OF RAMP BEYOUND 3000MM FROM BUILDING LINE

Approved PS

FOOTPATH

Rev Date 01.12.19
Approved PS

2.7.2





**DIRECTIONAL TGSI** 

# NOTES:

- 1. ALL WORK SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE AS/NZS 1428.4.1 2009 & CITY'S "SYDNEY STREETS TECHNICAL SPECIFICATION", OR AS DIRECTED BY THE CITY'S REPRESENTATIVE.
- 2. FOR RAMPS WIDER THAN 2 METRES, WIDTH OF TACTILE INDICATORS ON THE RAMP SHOULD BE MINIMUM 1000MM. WHEN WIDTH OF RAMP IS LESS THAN OR EQUAL TO TWO (2) METRES WIDTH OF TACTILE INDICATOR'S BLOCK SHALL MATCH THE RAMP.
- 3. 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.
- 4. 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.
- 5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



**TGSI** TYPICAL LAYOUT SKEWED BOUNDARY LINES

**FOOTPATH** D Dwg No.

01.12.19 Date ΡS Approved

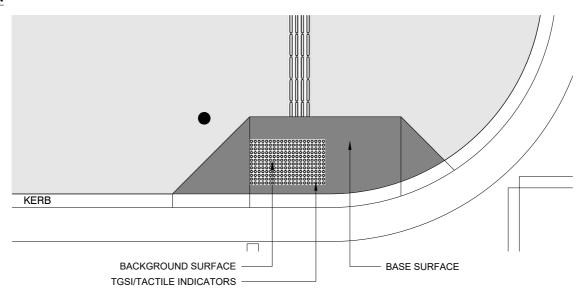
Rev

2.7.3

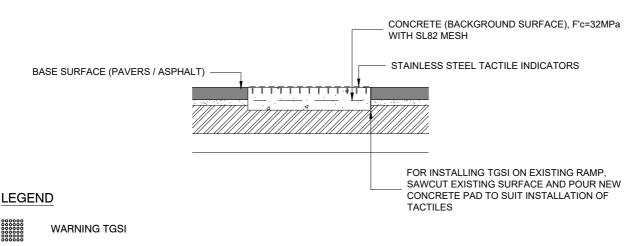
## TGSI /TACTILE INDICATORS MATERIAL

Item	Base Surface	Background Surface	Tactile Type
1	Granite	Granite	Stainless Steel
2	Brick Pavers	Concrete	Stainless Steel
3	Concrete Pavers	Concrete/Concrete Pavers <sup>(4)</sup>	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



#### NOTES:

- 1. TYPE AND COLOUR OF TGSI'S SHALL BE IN ACCORDANCE WITH THIS DRAWINGS UNLESS SPECIFIED FOR THE PROJECT. REFER TO DRAWINGS #2.7.1, #2.7.2 AND #2.7.3 FOR TYPICAL LAYOUT OF TGSI INSTALLATION.
- 2. DIFFERENT COLOURS AND TYPES OF TGSI'S MAY BE USED FOR SPECIFIC PROJECTS, IN WHICH CASE CITY OF SYDNEY'S APPROVAL MUST BE OBTAINED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
- 3. WHERE THE BASE SURFACE IS CONCRETE, THE BACKGROUND COLOUR SHALL BE BLACK. EXTENT OF THE BLACK COLOUR SHALL MATCH TGSI'S BLOCK. PLEASE NOTE THAT THE BASE COLOUR SHALL REMAIN AS NATURAL CONCRETE COLOUR.
- 4. TGSI'S MAY BE INSTALLED ON CONCRETE PAVERS, IF IT COMPLIES WITH LUMINANCE CONTRAST REQUIREMENT SET IN AS 1428.4.1
- 5. WARNING TGSI'S ONLY TO BE USED ON KERB RAMPS WHERE THE GRADIENT IS SHALLOWER THAN 1:8.5 OR WHERE A NEED IS DEEMED TO EXIST AS PER AS 1428.4.1
- 6. EXTENT OF THE TGSI'S MAY VARY TO SUIT ANY SPECIFIC DESIGN PENDING CITY'S APPROVAL.
- 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



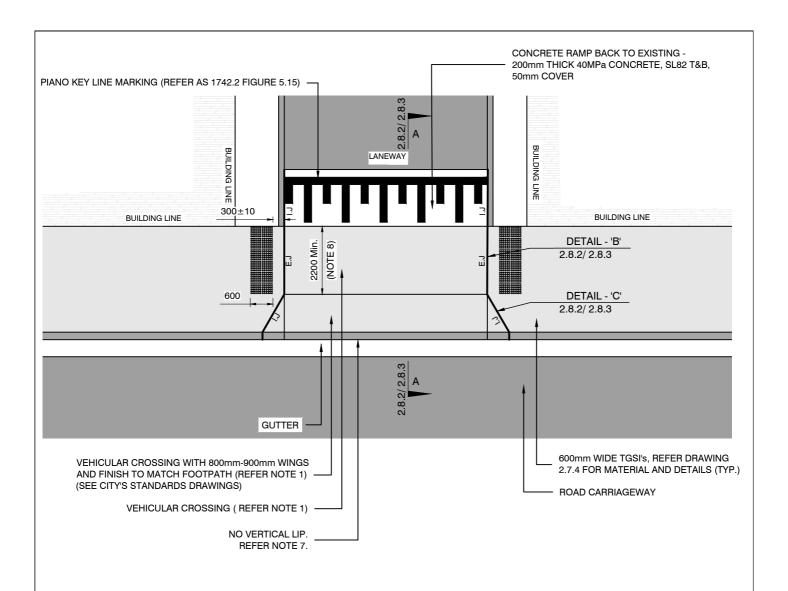
**DIRECTIONAL TGSI** 

TGSI
MATERIALS AND INSTALLATION DETAILS

FOOTPATH

Rev E
Date 16.11.22
Approved S A

Dwg No. **2.7.4** 



# **LEGEND**

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WARNING TGSI

E.J. EXPANSION JOINT

I.J. ISOLATION JOINT

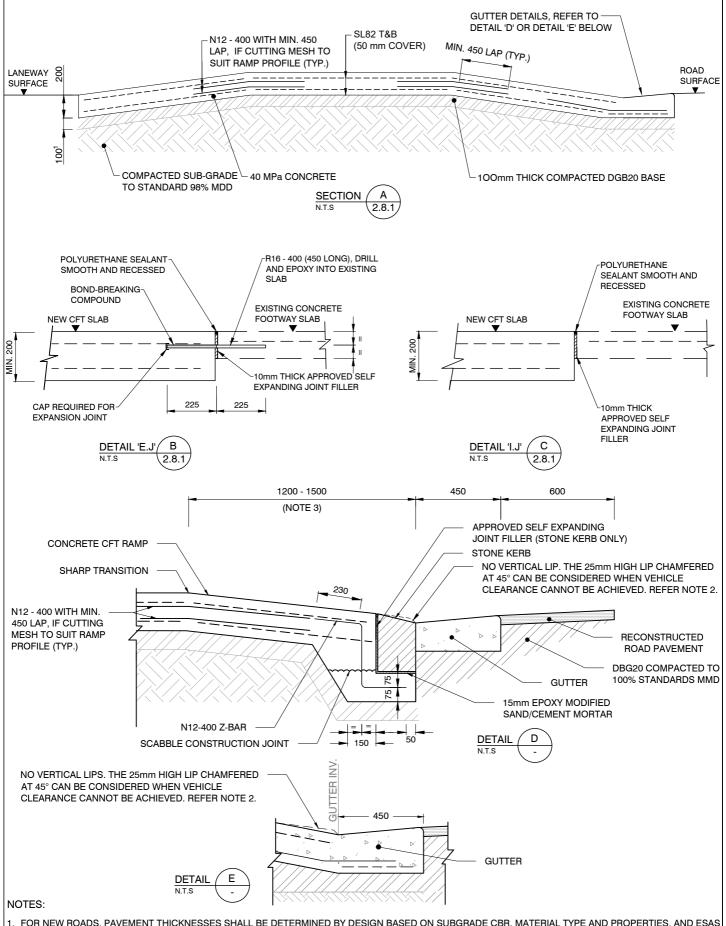
#### NOTES:

- 1. THIS DRAWING IS TO READ IN CONJUNCTION WITH TINSW TECHNICAL DIRECTION TDT 2013/05 CONTINUOUS FOOTPATH TREATMENTS.
- 2. SURFACE TREATMENTS AND MATERIALS FOR THE CONTINUOUS FOOTPATH TREATMENT SHALL MATCH THE ADJACENT FOOTPATH AND SHALL DIFFER FROM ROAD SURFACE FINISH. PAVER SIZE FOR CFT SHALL BE 200 X 300 X 70
- 3. WHERE ROAD SURFACE MATERIAL AND CONTINUOUS FOOTPATH TREATMENT MATERIAL ARE SIMILAR, THE FOOTPATH SURFACE SHALL BE REMOVED AND RECONSTRUCTED TO 5m EITHER SIDE OF THE FOOTPATH TREATMENT WITH AN APPROVED MATERIAL TO SUIT SYDNEY STREETSCAPE SPECIFICATION, UNLESS NOTED OTHERWISE.
- 4. 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.
- 5. WIDTH OF THE WING MAY VARY TO SUIT CALCULATED TURNING PATHS AND/OR EXISTING KERB RETURNS.
- 6. VERTICAL AND HORIZONTAL VEHICLE CLEARANCE SHALL BE CHECKED IN ACCORDANCE WITH AS2890.1 BY THE DESIGN ENGINEER.
- 7. USE OF 25 mm HIGH LIP CHAMFERED AT  $45^\circ$  MAY BE ALLOWED TO ACHIEVE VEHICLE VERTICAL CLEARANCE.
- 8. WHERE ACHIEVING 2200mm IS NOT POSSIBLE, WIDTH OF FOOTPATH MAY BE REDUCED TO 1800mm ONCE APPROVED BY CITY'S REPRESENTATIVE.
- 9. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**Date** 01.07.25 **Approved** S A

Rev

2.8.1



- FOR NEW ROADS, PAVEMENT THICKNESSES SHALL BE DETERMINED BY DESIGN BASED ON SUBGRADE CBR, MATERIAL TYPE AND PROPERTIES, AND ESAS
  (EQUIVALENT STANDARD AXLES). ALL PAVEMENT DESIGN REQUIREMENTS AND PROCEDURES SET IN SECTION "A3 ROADS, STREET AND STRUCTURES
  DESIGN" SHALL BE MET IN DESIGN AND JUSTIFIED IN DESIGN REPORT.
- 2. CHAMFERED 45° LIP CAN BE CONSIDERED TO REDUCE LAYBACK LENGTH FOR NARROW FOOTPATH.
- 3. LAYBACK LENGTH CAN BE INCREASED TO ALLOW FOR VEHICLE VERTICAL CLEARANCE, ONCE APPROVED BY CITY'S REPRESENTATIVE.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

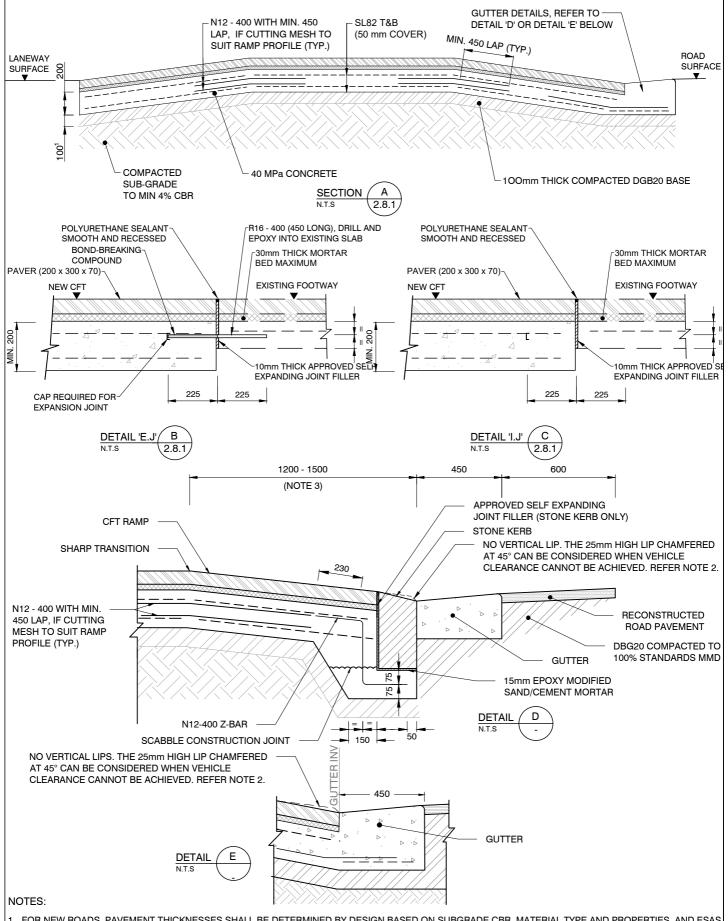


CONTINUOUS FOOTPATH TREATMENTS CONCRETE FOOTPATH - SECTION AND DETAILS

FOOTPATH

Rev A
Date 01.07.25

Approved S A 2.8.2



- 1. FOR NEW ROADS, PAVEMENT THICKNESSES SHALL BE DETERMINED BY DESIGN BASED ON SUBGRADE CBR, MATERIAL TYPE AND PROPERTIES, AND ESAS (EQUIVALENT STANDARD AXLES). ALL PAVEMENT DESIGN REQUIREMENTS AND PROCEDURES SET IN SECTION "A3 ROADS, STREET AND STRUCTURES DESIGN" SHALL BE MET IN DESIGN AND JUSTIFIED IN DESIGN REPORT.
- 2. CHAMFERED 45° LIP CAN BE CONSIDERED TO REDUCE LAYBACK LENGTH FOR NARROW FOOTPATH.
- 3. LAYBACK LENGTH CAN BE INCREASED TO ALLOW FOR VEHICLE VERTICAL CLEARANCE, ONCE APPROVED BY CITY'S REPRESENTATIVE.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



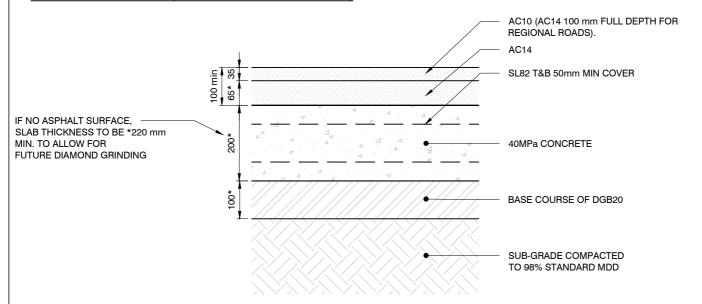
CONTINUOUS FOOTPATH TREATMENTS CONCRETE/ GRANITE PAVERS - SECTION AND DETAILS

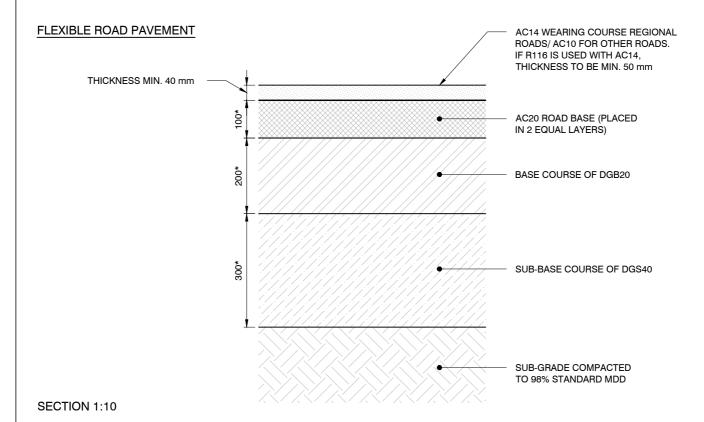
FOOTPATH

Rev A
Date 01.07.25

Approved S A
2.8.3

# RIGID ROAD PAVEMENT (ASPHALT SURFACE OPTIONAL)





#### NOTES:

- 1. THESE ARE TYPICAL DRAWINGS ONLY.
- <sup>1</sup>2. FOR NEW ROADS, PAVEMENT THICKNESSES SHALL BE DETERMINED BY DESIGN BASED ON SUBGRADE CBR, MATERIAL TYPE AND PROPERTIES, AND ESAS (EQUIVALENT STANDARD AXLES). ALL PAVEMENT DESIGN REQUIREMENTS AND PROCEDURES SET IN SECTION "A3 ROADS AND STRUCTURES DESIGN" SHALL BE MET IN DESIGN AND JUSTIFIED IN DESIGN REPORT.
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



ROAD PAVEMENTS
TYPICAL PAVEMENT DETAILS

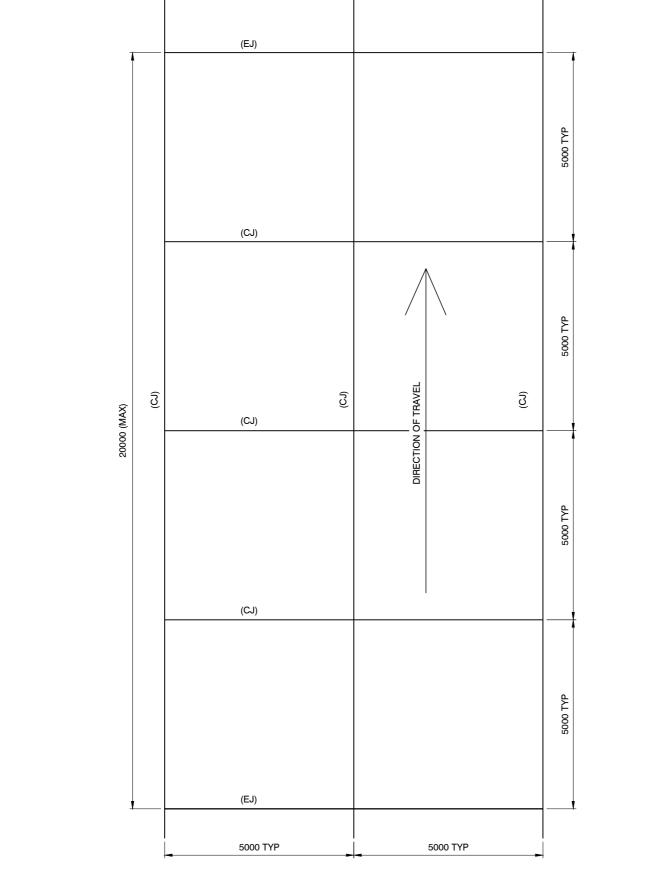
**ROADWAYS** 

 Rev
 D

 Date
 01.12.19

 Approved
 P S

Dwg No. **3.1.1** 



- 1. TRANSVERSE EXPANSION JOINTS SHALL BE PLACED AT 20m MAXIMUM SPACING ON CONTINUOUS PAVEMENT.
- 2. TRANSVERSE CONTRACTION JOINTS TO BE PLACED AT 5m MAXIMUM SPACING ON CONTINUOUS PAVEMENT.
- 3. CONSTRUCTION JOINTS SHALL BE PLACED AT WORK EXTENTS WHEN JOINING ONTO ADJACENT RIGID PAVEMENTS.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**SCALE 1:100** 

CITY OF SYDNEY TRAFFICABLE JOINTS - PLAN

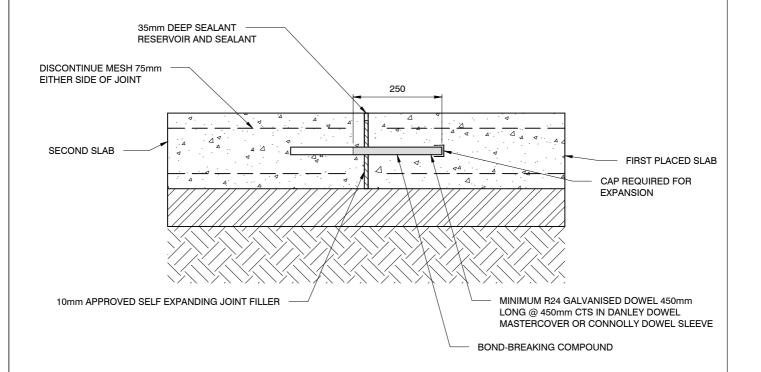
ROAD PAVEMENTS

TRAFFICABLE JOINTS - PLAN

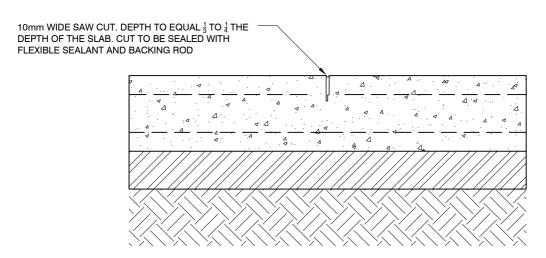
ROADWAYS

Rev Date 01.12.19 Dwg No. Approved PS 3.1.2

# **EXPANSION JOINT (EJ)**



## CONTRACTION JOINT/CONTROL JOINT (CJ)



SECTION 1:10

## NOTES:

- 1. TRANSVERSE EXPANSION JOINTS SHALL BE PLACED AT 20m MAXIMUM SPACING.
- 2. TRANSVERSE CONTRACTION JOINTS TO BE PLACED AT 5m MAXIMUM SPACING.
- 3. BOND-BREAKING COMPONENT AND END CAP MAY BE REPLACED WITH A PURPOSE-MADE DOWEL SLEEVE.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



ROAD PAVEMENTS
TRAFFICABLE JOINTS - EXPANSION AND
CONTRACTION JOINTS

ROADWAYS

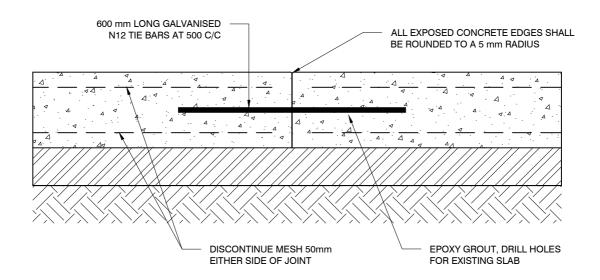
 Rev
 E

 Date
 01.07.25

 Approved
 S A

Dwg No. **3.1.3** 

# CONSTRUCTION JOINT (DCJ) / JUNCTION WITH EXISTING CONCRETE PAVEMENT

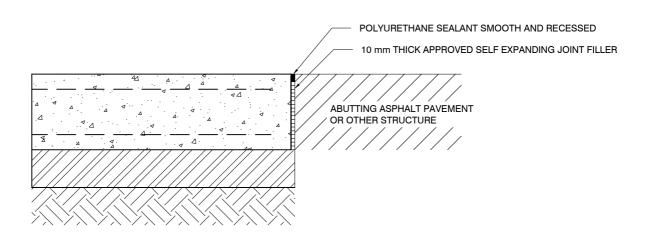


#### NOTES:

- 1. ALL TIE BARS TO BE DEFORMED BARS.
- $2. \ \ \mathsf{ALL} \ \mathsf{DIMENSIONS} \ \mathsf{IN} \ \mathsf{MILLIMETRES} \ \mathsf{UNLESS} \ \mathsf{OTHERWISE} \ \mathsf{STATED}.$

SECTION 1:10

# ISOLATION JOINT



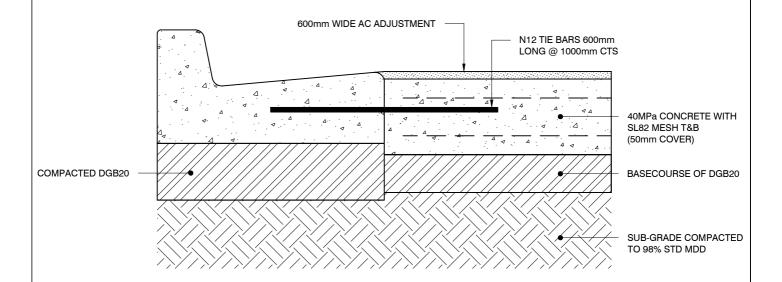


 Rev
 E
 Dwg No.

 Date
 01.07.25
 Dwg No.

 Approved
 S A
 3.1.4

# CONCRETE ROAD



SECTION 1:10

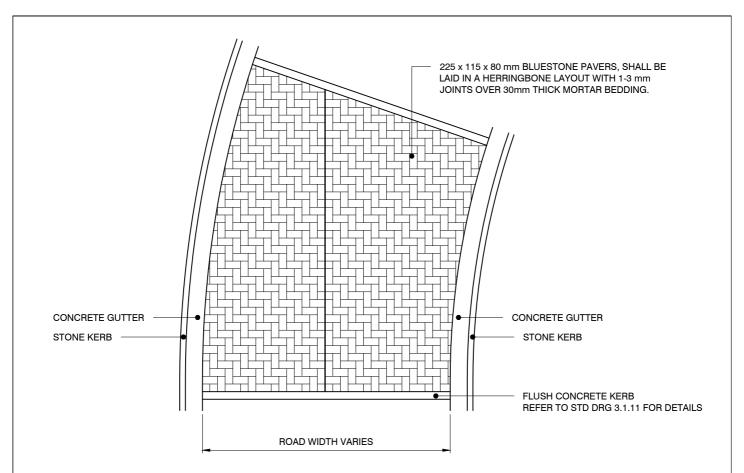
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



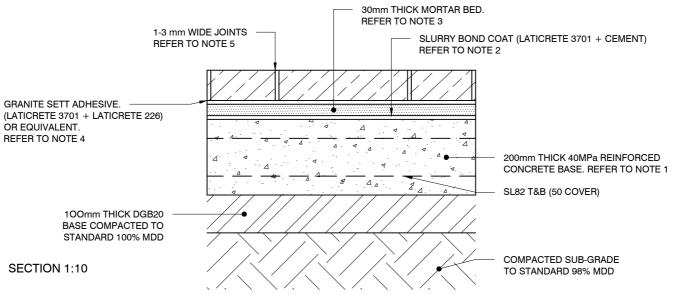
ROAD PAVEMENTS

EDGE DETAIL - CONCRETE ROAD TO CONCRETE K&G

 $\begin{array}{ccc} \text{ROADWAYS} \\ \text{Rev} & \text{D} \\ \text{Date} & \textit{01.12.19} \\ \text{Approved} & \text{P S} \\ \end{array} \qquad \begin{array}{c} \text{Dwg No.} \\ \text{3.1.5} \\ \end{array}$ 



PLAN 1:100



#### NOTES:

- 1. SURFACE SHALL BE MADE PLUMB & TRUE WITHIN 3mm AND SHALL HAVE A WOODEN FLOAT FINISH.
- 2. MORTAR BED SHALL BE LAID WHILE THE SLURRY BOND COAT IS STILL WET & TACKY.
- 3. 30mm THICK MORTAR BEDDING FINISHED TO A WOOD FLOAT QUALITY. THE BEDDING SHALL BE OF MODIFIED MORTAR (3:1 SAND:CEMENT) MIXED WITH LATICRETE 3701 MORTAR ADMIX & LATICRETE 226 OR EQUIVALENT THICK BED MORTAR AS PER THE MANUFACTURERS'S SPECIFICATIONS.
- 4. THE GRANITE SETTS SHALL BE ADHERED TO THE CURED BEDDING USING A MIX OF LATICARETE 226 PREMIUM MORTAR & LATICRETE 3701 MORTAR ADMIX AS PER THE MANUFACTURER'S SPECIFICATIONS.
- 5. USE MODIFIED MORTAR (3:1 SAND:CEMENT) MIXED WITH LATICRETE 3701 OR EQUIVALENT MORTAR ADMIX, LATICRETE 226 OR EQUIVALENT THICK BED MORTAR TO MATCH SETTS COLOUR.
- FOR REINSTATEMENT OF EXISTING STONE SETTS, USE A HIGH EARLY STRENGTH RAPID-SET MORTAR CAPABLE OF ACHIEVING A MINIMUM COMPRESSIVE STRENGTH OF 20 MPA WITHIN ONE HOUR.
- 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

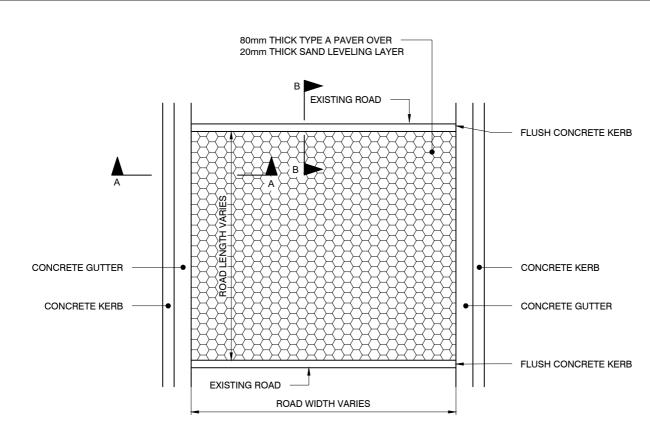


ROAD PAVEMENTS
STONE SETT PAVEMENT

ROADWAYS

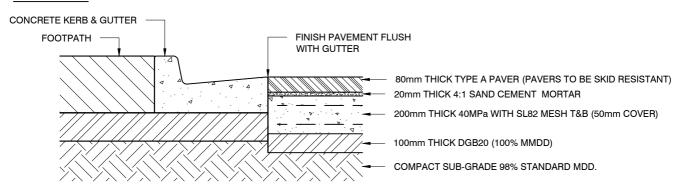
Rev E Dwg No.

Date 01.07.25
Approved S A 3.1.9

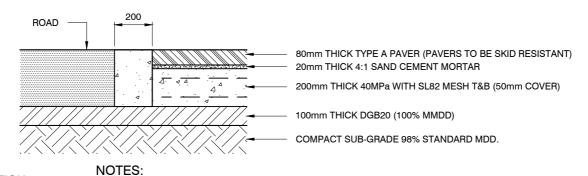


PLAN 1:100

#### SECTION A-A



## **SECTION B-B**



SECTION 1:20

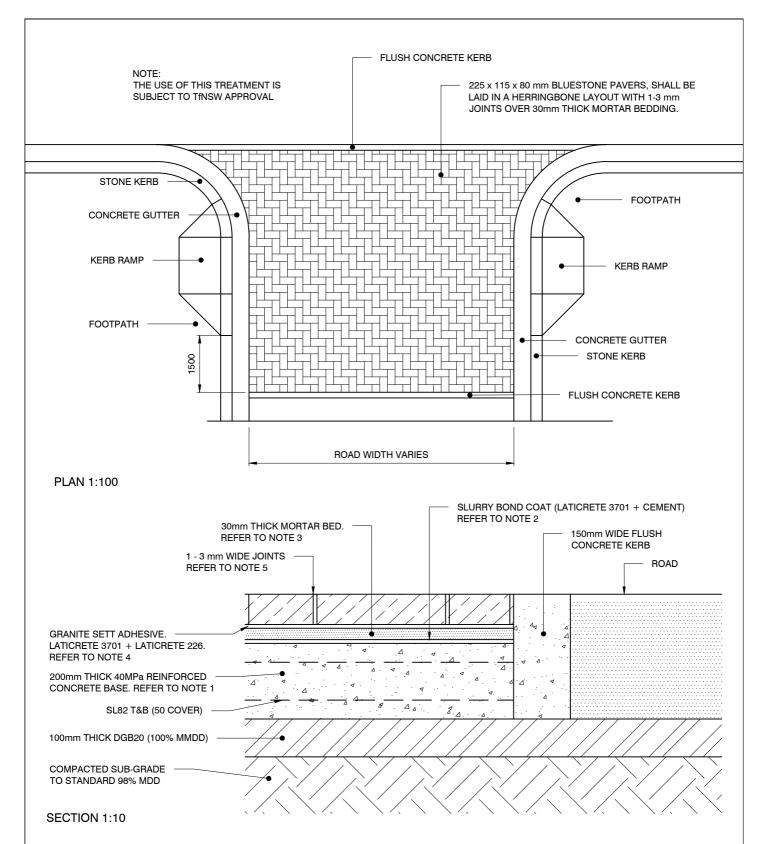
- 1. THESE ARE TYPICAL DRAWINGS ONLY.
- 2. FOR NEW ROADS, PAVEMENT THICKNESSES SHALL BE DETERMINED BY DESIGN BASED ON SUBGRADE CBR, MATERIAL TYPE AND PROPERTIES, AND ESAS (EQUIVALENT STANDARD AXLES). ALL PAVEMENT DESIGN REQUIREMENTS AND PROCEDURES SET IN SECTION "A3 ROADS AND STRUCTURES DESIGN" SHALL BE MET IN DESIGN AND JUSTIFIED IN DESIGN REPORT.
- 3. FOR KERB AND GUTTER DETAILS REFER TO STANDARD DRAWING # 1.1.1 & 1.1.2
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY **(** 

ROAD PAVEMENTS

CONCRETE UNIT PAVEMENT

| ROADWAYS | Rev | E | Dwg No. | Dwg No. | Approved | S A | 3.1.10



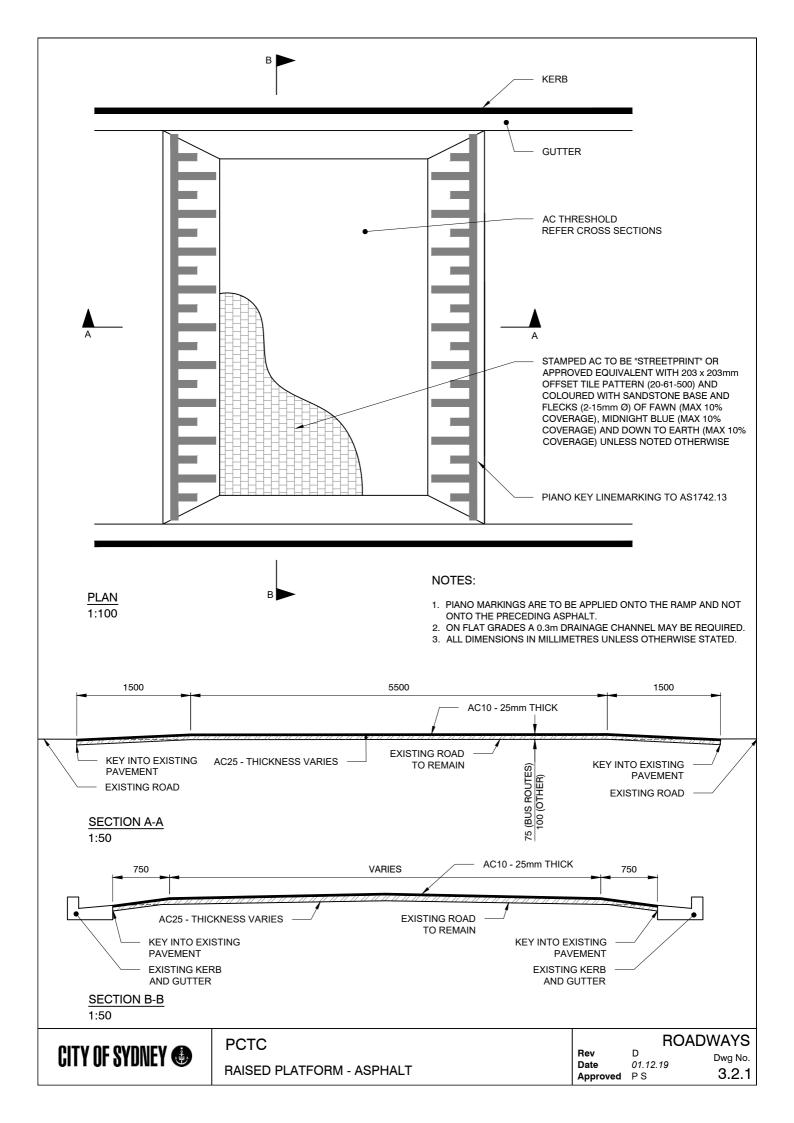
- 1. SURFACE SHALL BE MADE PLUMB & TRUE WITHIN 3mm AND SHALL HAVE A WOODEN FLOAT FINISH.
- 2. MORTAR BED SHALL BE LAID WHILE THE SLURRY BOND COAT IS STILL WET & TACKY.
- 3. 30mm THICK MORTAR BEDDING FINISHED TO A WOOD FLOAT QUALITY. THE BEDDING SHALL BE OF MODIFIED MORTAR (3:1 SAND:CEMENT) MIXED WITH LATICRETE 3701 MORTAR ADMIX & LATICRETE 226 THICK BED MORTAR AS PER THE MANUFACTURERS'S SPECIFICATIONS.
- 4. THE GRANITE SETTS SHALL BE ADHERED TO THE CURED BEDDING USING A MIX OF LATICARETE 290 PREMIUM MORTAR & LATICRETE 3701 MORTAR ADMIX AS PER THE MANUFACTURER'S SPECIFICATIONS.
- 5. USE MODIFIED MORTAR (3:1 SAND:CEMENT) MIXED WITH LATICRETE 3701 MORTAR ADMIX, LATICRETE 226 THICK BED MORTAR TO MATCH SETTS COLOUR.
- 6. FOR REINSTATEMENT OF EXISTING STONE SETTS, USE A HIGH EARLY STRENGTH RAPID-SET MORTAR CAPABLE OF ACHIEVING A MINIMUM COMPRESSIVE STRENGTH OF 20 MPA WITHIN ONE HOUR.
- 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

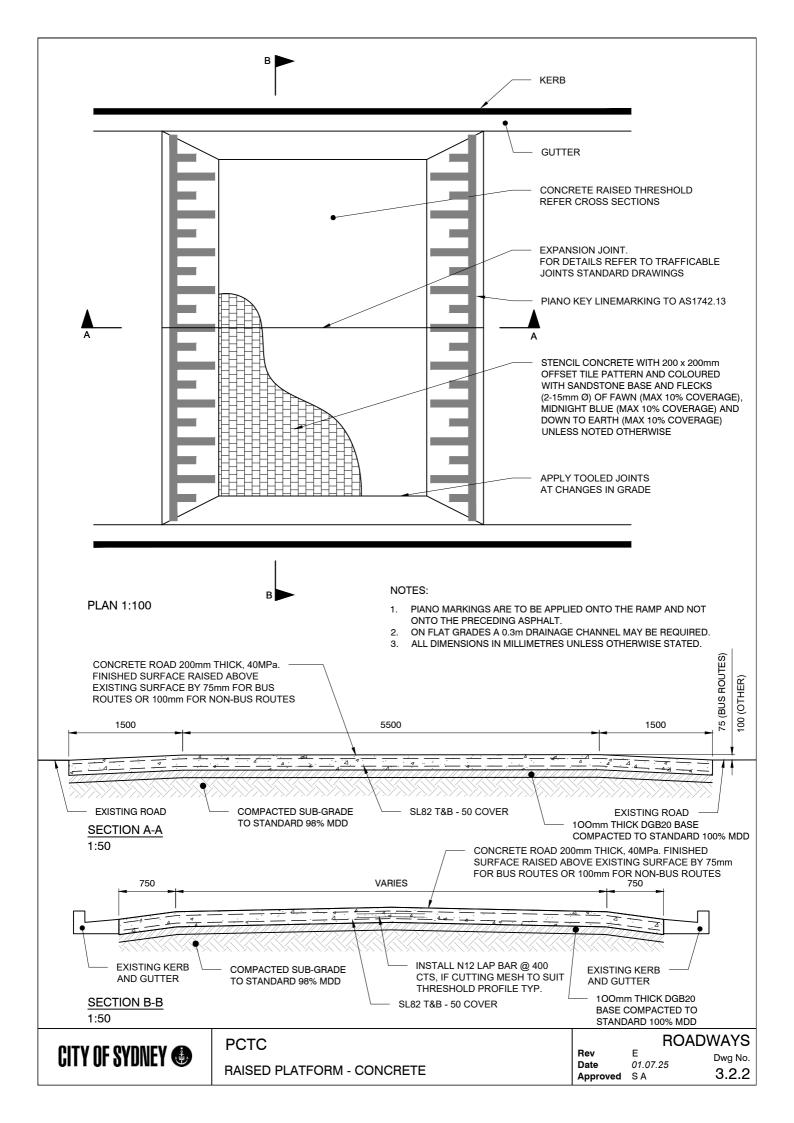


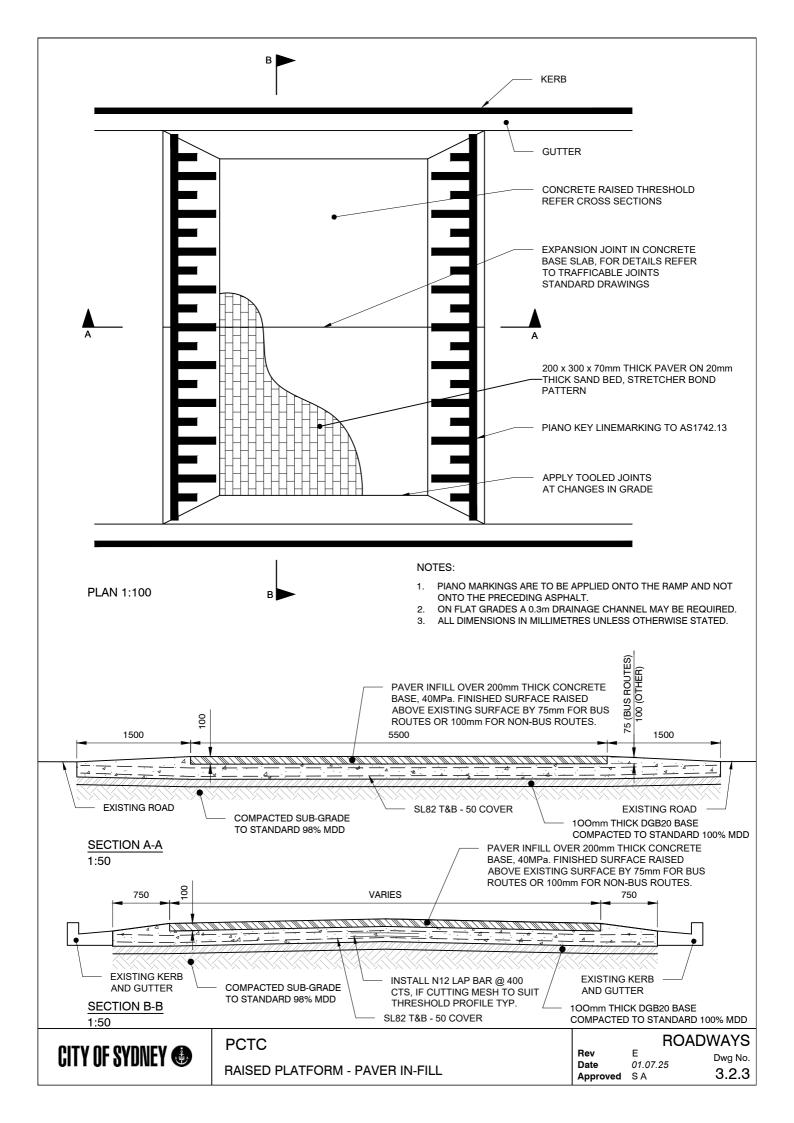
**ROADWAYS** 

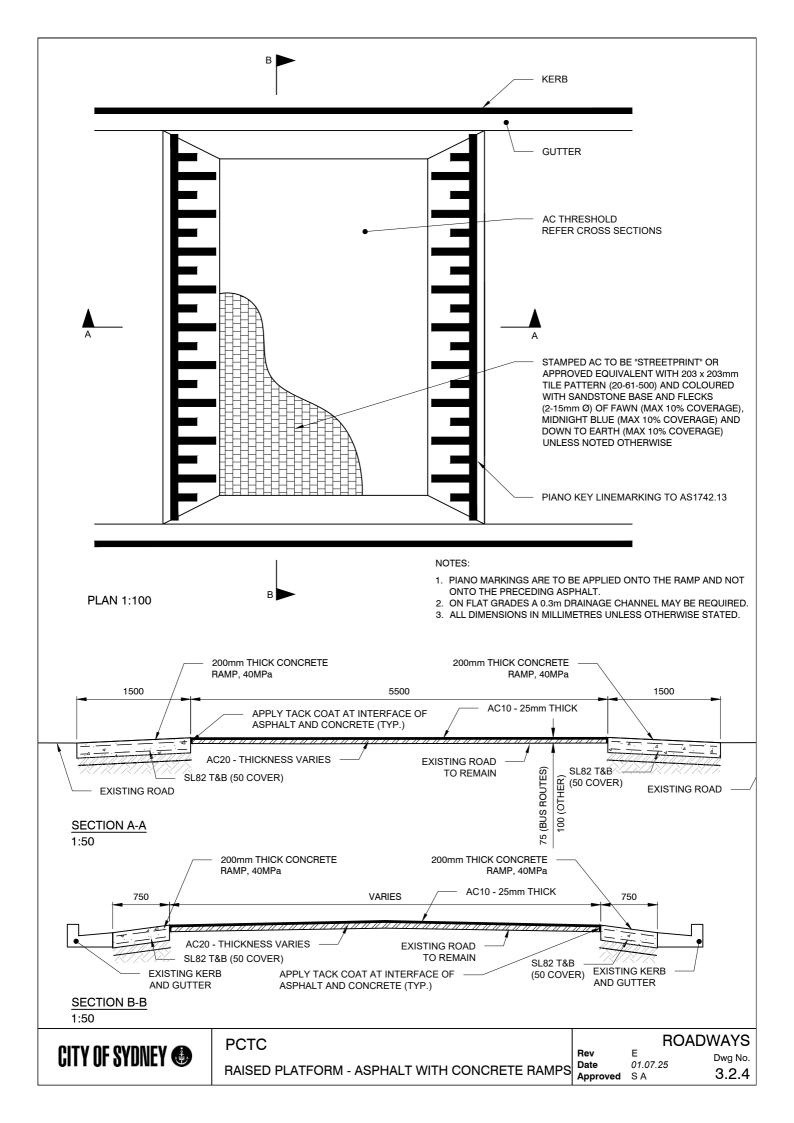
Rev E
Date 01.07.25
Approved S A

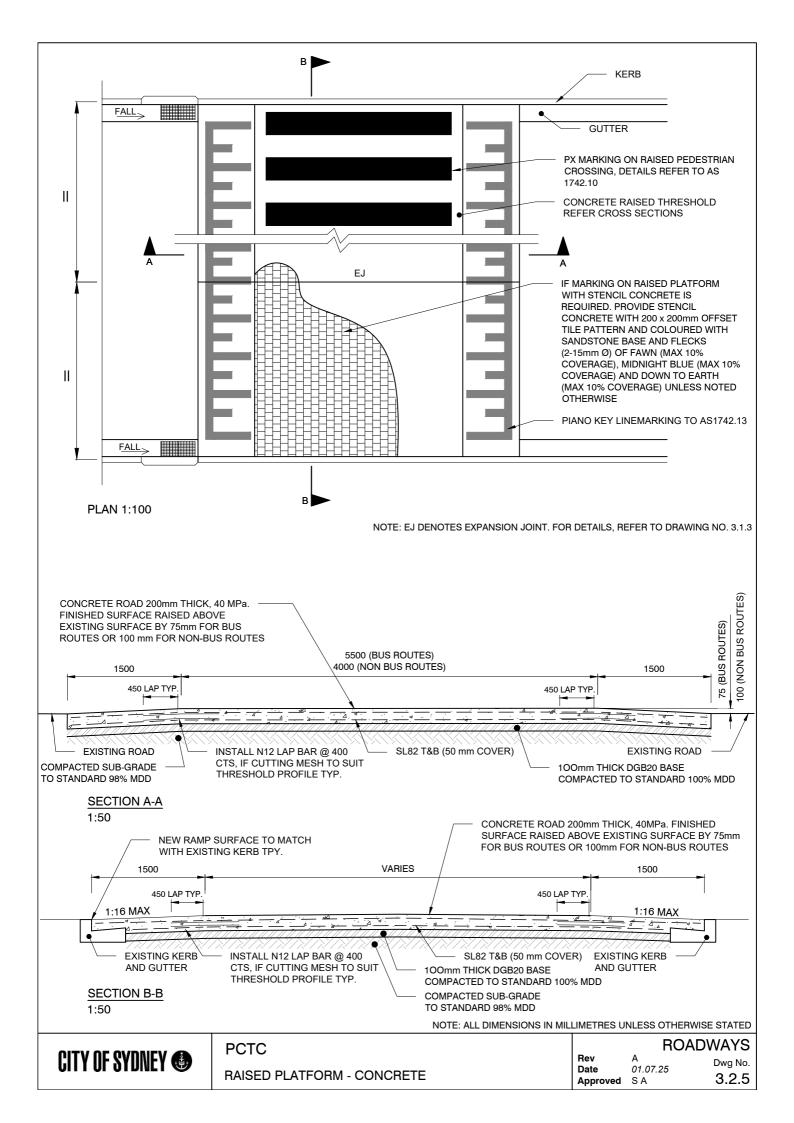
Dwg No. 3.1.11

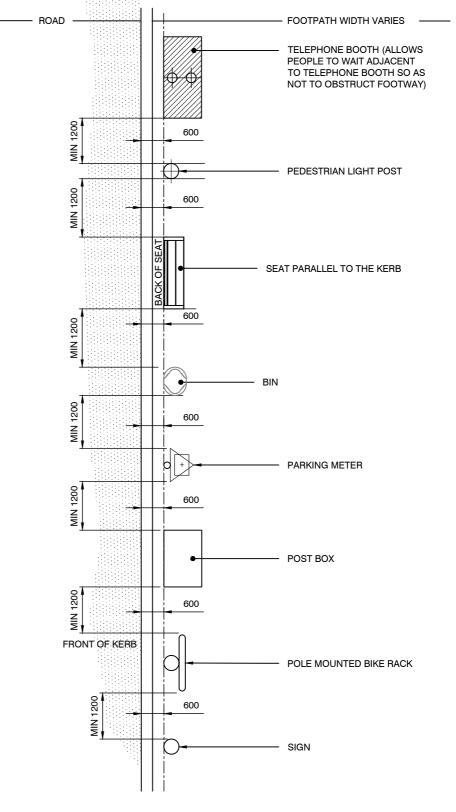










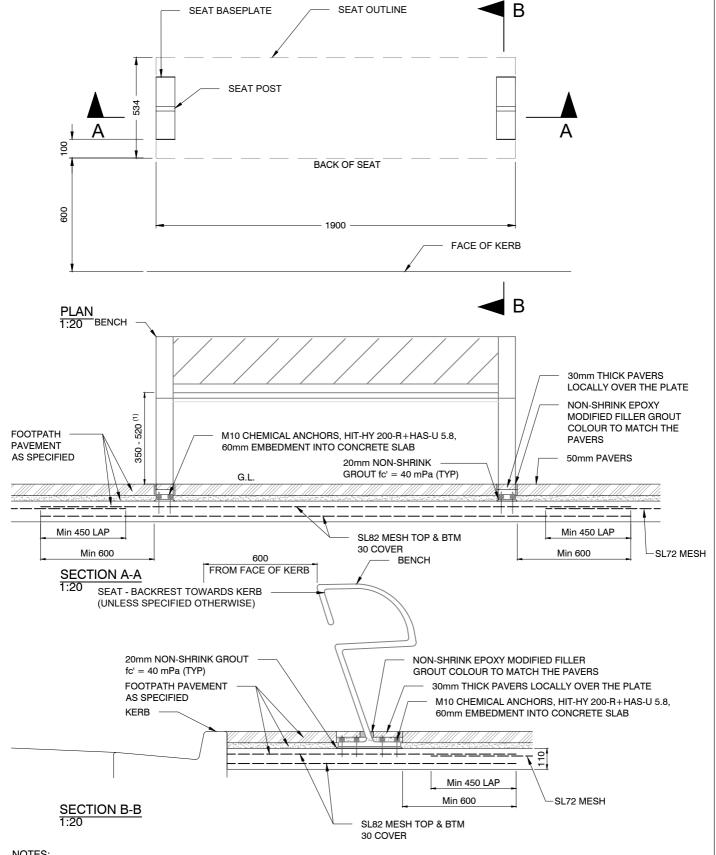


PLAN 1:100

- 1. WHEREVER POSSIBLE FIXTURES SHOULD BE LOCATED TO ALIGN FIXING POINTS WITH PAVING JOINTS TO MIMIMISE CUTTING THROUGH PAVING UNITS. SET FIXTURES FURTHER APART (CLEARANCE MIN. 300 mm) AS REQUIRED TO ALIGN WITH PAVING JOINTS.
- SUFFICIENT SPACE SHOULD BE ALLOWED BETWEEN FIXTURES ACCOMMODATE BELOW GROUND FOOTING AND FIXINGS.
- 3. ALLOW FOR MORE ADEQUATE CLEARANCE IN RELATION TO FIXTURE USAGE AS REQUIRED.
- 4. EG. AT TELEPHONE BOOTHS AND FOR BIKE RACK/RING.
- 5. FIXTURES SHOULD BE LIMITED IN CLOSE PROXIMITY TO PEDESTRIAN CROSSING POINTS TO MINIMISE OBSTRUCTION.
- 6. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

 Rev
 E
 Dwg No.

 Date
 01.07.25
 4.1.1

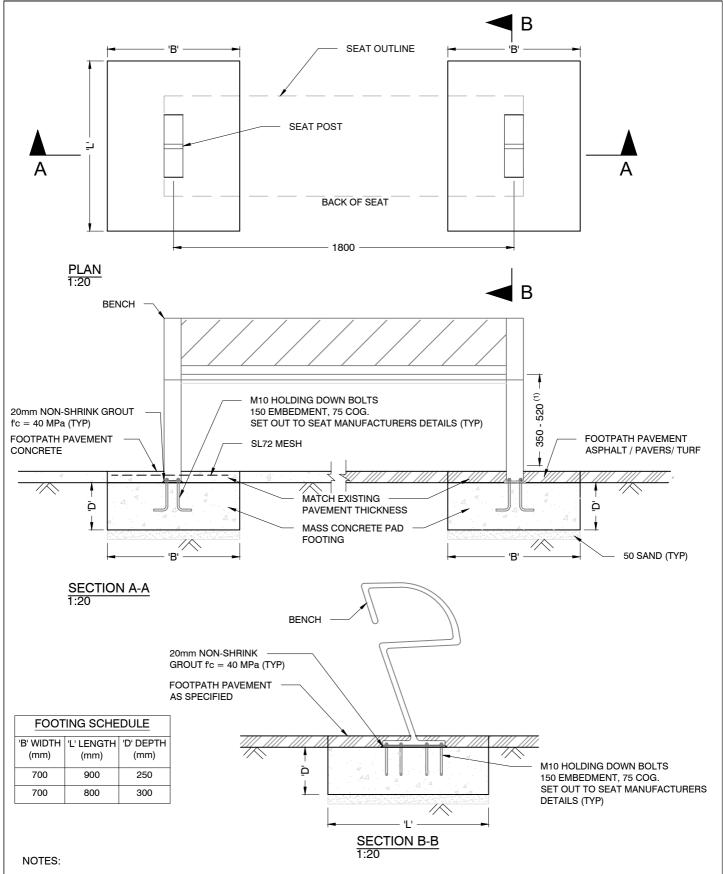


- 1. SEATS SHALL ONLY BE INSTALLED WHERE A HEIGHT OF 400-450 mm, MEASURED FROM THE CENTER OF THE SEAT, CAN BE ACHIEVED, AND WHERE THE HEIGHT OF THE SEAT EDGES FALLS WITHIN THE RANGE OF 350–520 mm.
- 2. CONCRETE GRADE f'C = 32 MPa
- 3. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
- 4. THE STRUCTURAL ELEMENTS SHOWN ON THESE DRAWINGS HAVE BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS:
  - (i) 1.0 kN/m APPLIED LATERALLY TO THE TOP EDGE OF THE SEAT. (ii) 1.5 kN/m APPLIED VERTICALLY TO THE SEAT BENCH.
- THE FOUNDATION HAVE BEEN DESIGNED FOR AN MINIMUM ALLOWABLE BEARING PRESSURE OF 150 kPa.
- 6. IF ANCHORING TO AN EXISTING CONCRETE SLAB, REFER TO STD DRG # 4.2.2
- 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



**SEATS** TZANNES SEAT FOOTING DETAILS - SHEET 1

**FURNITURE** Rev Dwg No. 01.07.25 Date 4.2.1 Approved SA

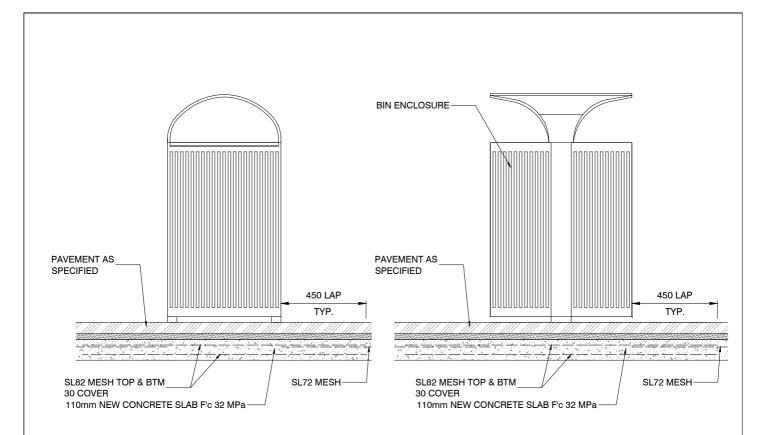


- 1. SEAT SHALL ONLY BE INSTALLED WHERE A HEIGHT OF 400-450 mm, MEASURED FROM THE CENTER OF THE SEAT, CAN BE ACHIEVED, AND WHERE THE HEIGHT OF THE SEAT EDGES FALLS WITHIN THE RANGE OF 350–520 mm.
- CONCRETE GRADE fc = 32 MPa.
- 3. ALL CONCRETE COVER TO BE 50 mm.
- ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
   THE STRUCTURAL ELEMENTS SHOWN ON THESE DRAWINGS HAVE BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS: (i) 1.0 kN/m APPLIED LATERALLY TO THE TOP EDGE OF THE SEAT.
  - (ii) 1.5 kN/m APPLIED VERTICALLY TO THE SEAT BENCH.
- THE FOUNDATION HAVE BEEN DESIGNED FOR AN MINIMUM ALLOWABLE BEARING PRESSURE OF 150 kPa.
- 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

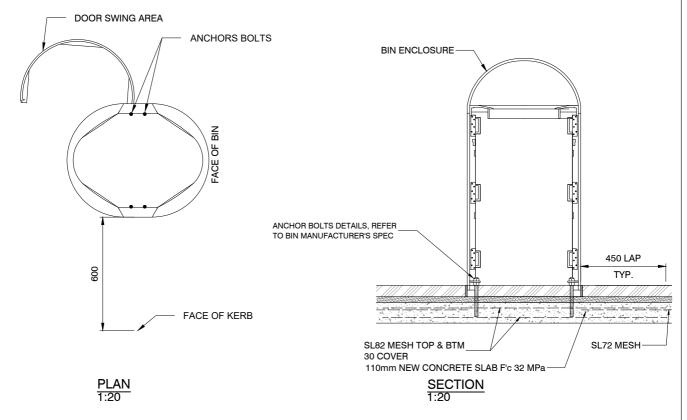


**SEATS** TZANNES SEAT FOOTING DETAILS - SHEET 2 (ON EXISTING PAVEMENT OR NATURE STRIP)

**FURNITURE** Rev Dwg No. 01.07.25 Date 4.2.2 Approved SA



# <u>VIEWS</u> 1:20



### NOTES:

- 1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
- 2. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.

  3. IF ANCHORING TO AN EXISTING CONCRETE SLAB, ENSURE SLAB IS MINIMUM 110 mm THICK. IF SLAB THICKNESS IS LESS THAN 110 mm, REFER TO STD DRG # 4.3.3
- 4. REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.

CITY OF SYDNEY **(** 

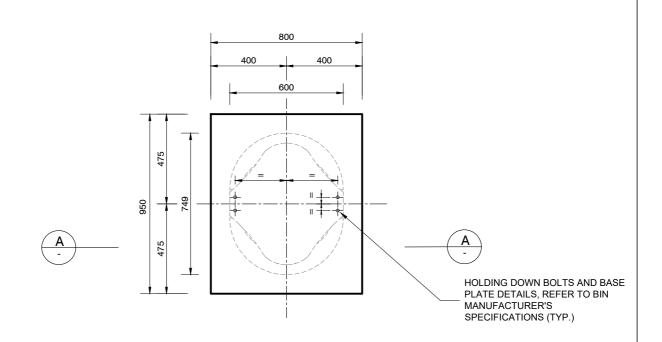
**BIN ENCLOSURE** 

**FURNITURE** Dwg No.

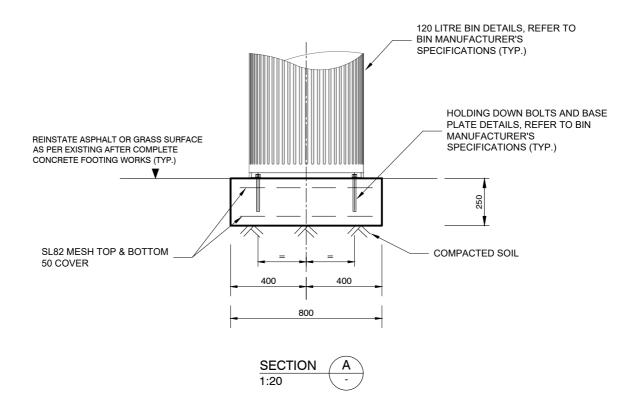
01.07.25 Date SA Approved

Rev

4.3.1



# 120L BIN FOOTING PLAN 1:20



### NOTES:

- 1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
- 2. CONCRETE GRADE fC = 32 MPa.
- 3. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
  4. REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.

# CITY OF SYDNEY **(**

# **BIN ENCLOSURE**

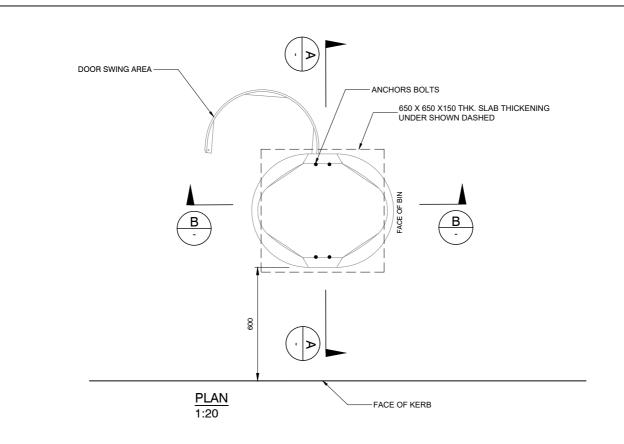
(CONCRETE FOOTING FOR 120 LITRE BIN ON ASPHALT OR GRASS SURFACE)

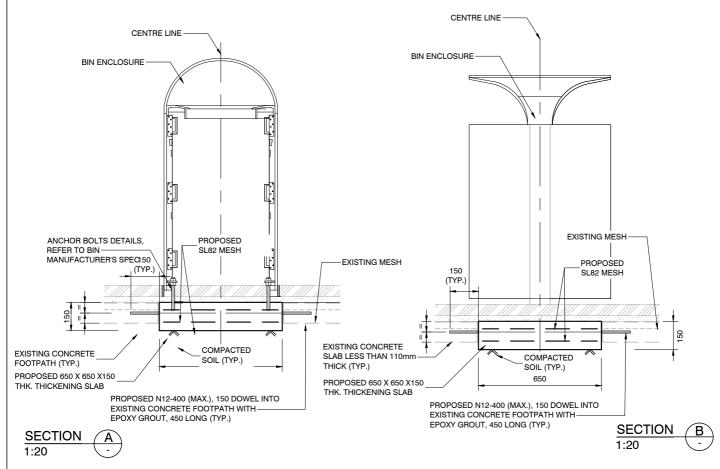
# **FURNITURE**

16.11.22 Date Approved SA

Rev

Dwg No. 4.3.2





- 1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

- ALL DIMENSIONS IN MILLIMET HES UNLESS OTHERWISE STATED.
   CONCRETE GRADE fC = 32 MPa.
   ALL CONCRETE COVER TO BE 40mm TOP & 50mm BOTTOM
   ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
   REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.

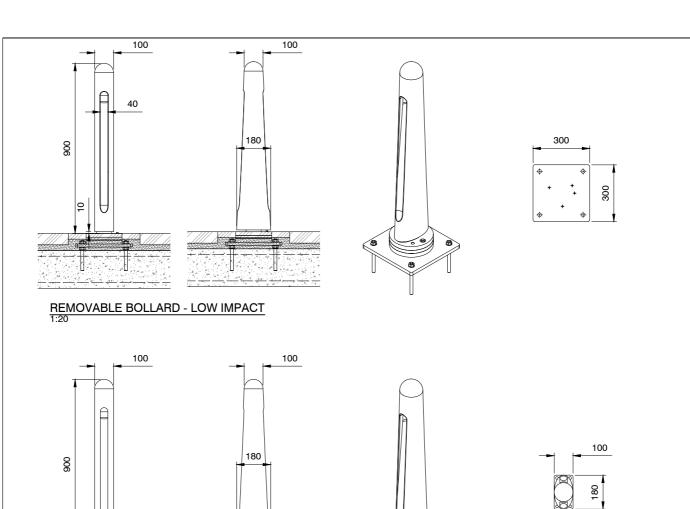
# CITY OF SYDNEY

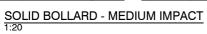
# BIN ENCLOSURE

(BIN INSTALLATION OVER EXISTING FOOTWAY WITH CONCRETE SLAB THICKNESS LESS THAN 110 mm)

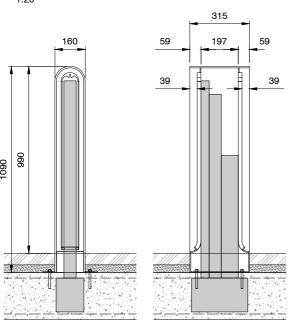
# **FURNITURE**

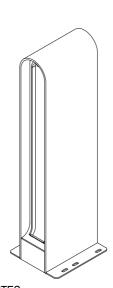
Rev Dwg No. 01.07.25 Date 4.3.3 Approved SA

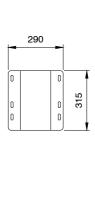




9







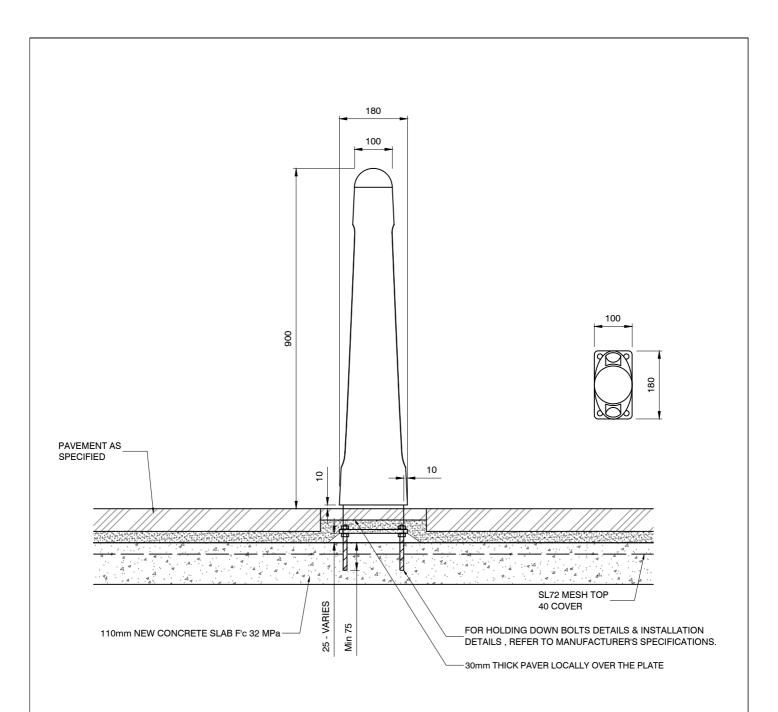
#### NOTES:

- 1. ALL IMPACT BOLLARD INSTALLATIONS, INCLUDING FOOTING DESIGN, SHALL BE CARRIED OUT BY THE SUPPLIER OR A NOMINATED CONTRACTOR APPROVED BY THE SUPPLIER. THE SUPPLIER SHALL INSPECT AND CERTIFY THE INSTALLATION.
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



ANTI-VEHICULAR BOLLARD 1:20

BOLLARDS LOW IMPACT / MEDIUM IMPACT AND ANTI-VEHICULAR BOLLARD FURNITURE



# SOLID BOLLARD SECTION 1:10

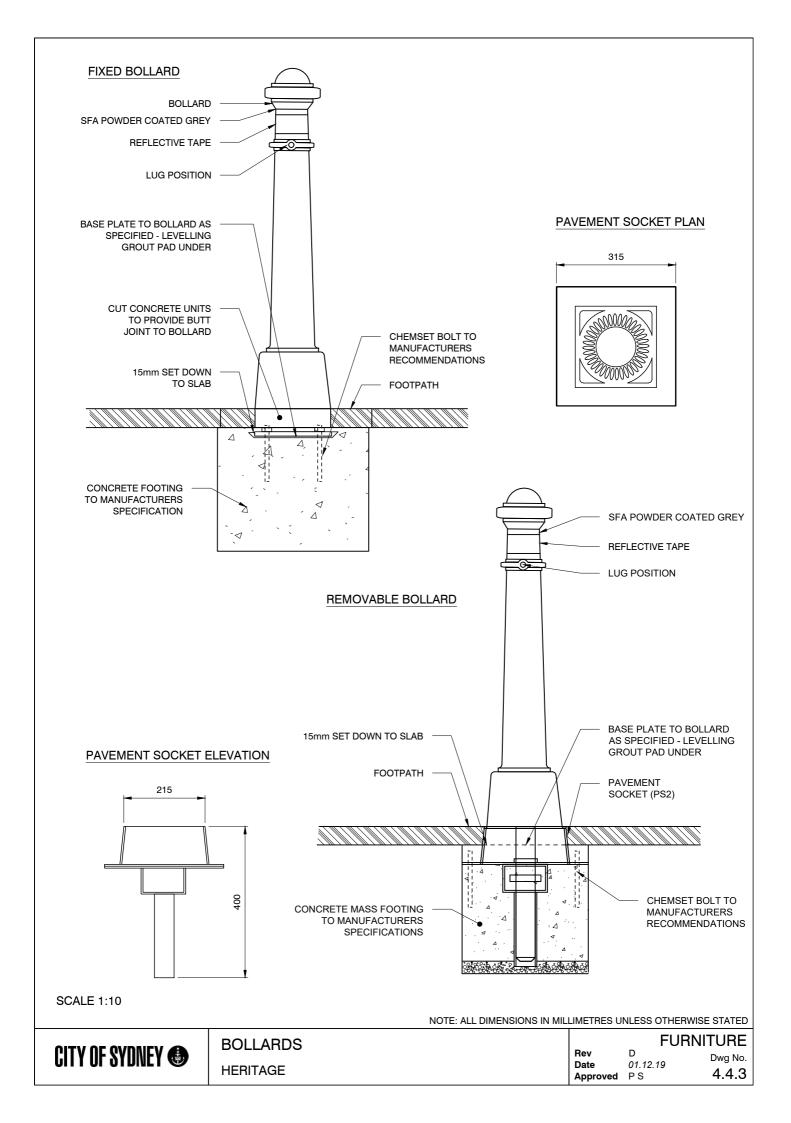
### NOTES:

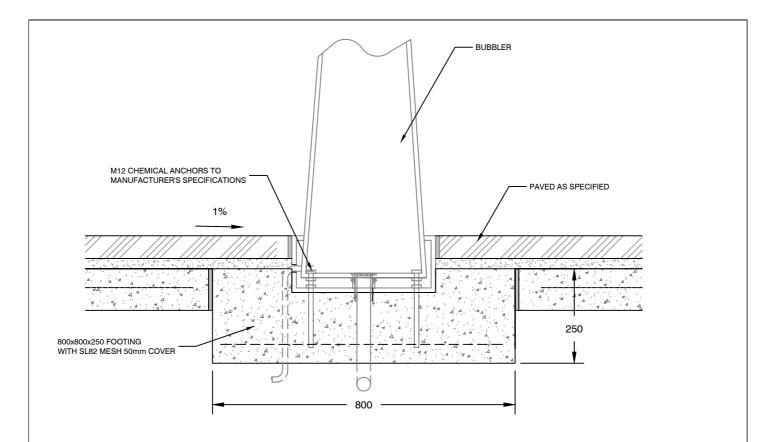
- 1. IF INSTALLING BOLLARD ON EXISTING CONCRETE SLAB, ENSURE SLAB IS MINIMUM 110 mm THICK. 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



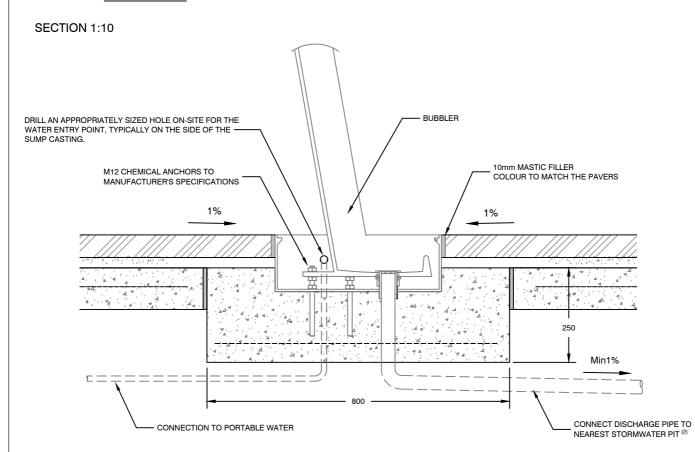
Rev Ε Date 01.07.25 Approved SA

Dwg No. 4.4.2





## **FRONT VIEW**



**SIDE VIEW** NOTES:

- INDICATIVE LOCATIONS FOR THE POTABLE WATER ENTRY POINT AND DISCHARGE PIPE ARE SHOWN AND SHALL BE ADJUSTED AS REQUIRED BASED ON SITE CONDITIONS DISCHARGE PIPE MAY BE CONNECTED TO KERB OUTLET IF NO NEARBY STORMWATER PIT EXISTS, SUBJECT TO SUFFICIENT FALL AND CITY'S REPRESENTATIVE APPROVAL ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY **(** 

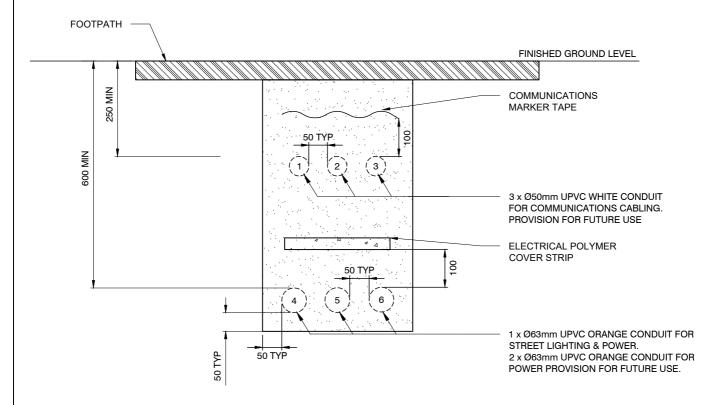
**BUBBLER INSTALLATION DETAIL** 

**FURNITURE** Rev Dwg No. 01.07.25 Date 4.5.1

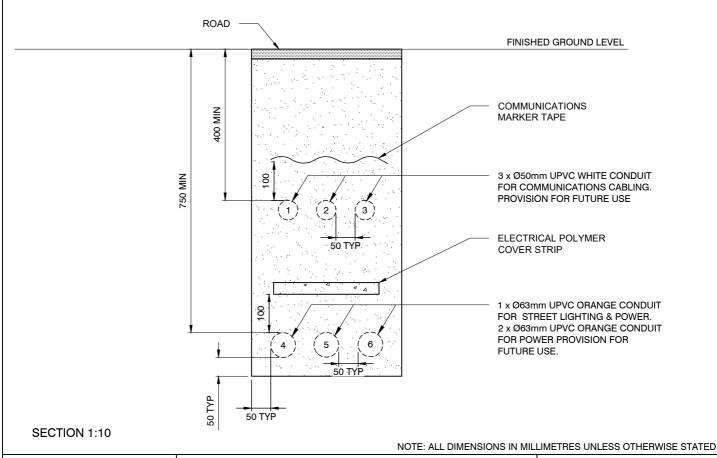
SA

Approved

# TYPICAL ELECTRICAL & COMMS CONDUIT ARRANGEMENT FOOTPATH & GARDEN AREA



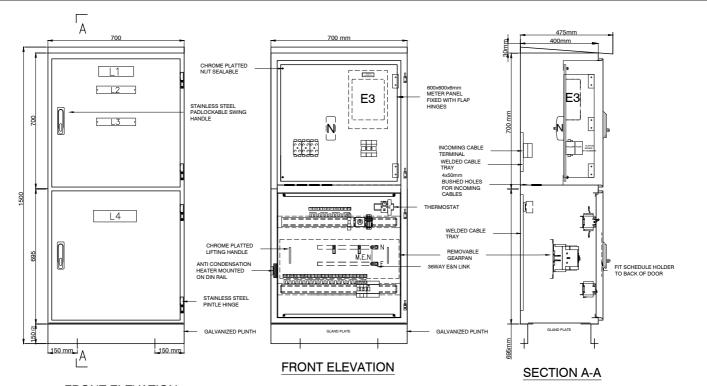
# TYPICAL ELECTRICAL & COMMS CONDUIT ARRANGEMENT (ROAD)



CITY OF SYDNEY **(** 

GENERAL
CONDUITS IN FOOTWAY AND CARRIAGEWAY

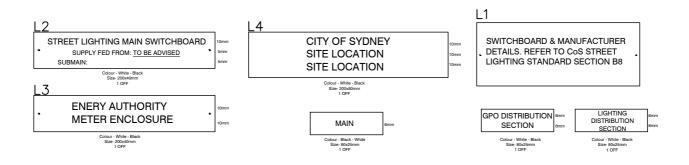
| LIGHTING | Rev | D | Dwg No. | Dwg



# FRONT ELEVATION (WITH DOORS FITTED)

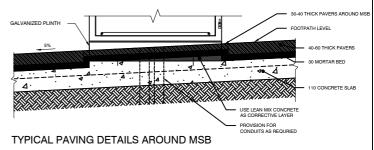
### (WITH DOORS REMOVED)

MINOR EQUIPMENT SCHEDULE				
ITEMS	DESCRIPTION	REFERENCE	PART NO.	QTY
SERVICE FUSES	IPD SERIES 7 SERVICE FUSE BA	ACK CONNECTION + FUSE LINK	#S71002BBWAI+RHLF100	3
THREE PHASE METER	SUPPLIED AND FITTED BY OTH	SUPPLIED AND FITTED BY OTHERS		1
SERVICE METER NEUTRAL LINK	NETEC SEALABLE LINKS 3x35 8	NETEC SEALABLE LINKS 3x35 & 2x16mm #AN100S-535-B		1
MAIN SWITCH CIRCUIT BREAKER				1
3P 12-WAY COMB BUSBAR	3P 12-WAY 100A COMB BUSBA	R WITH ENDCAP	#SN-A9XPH312	1
3P 24-WAY COMB BUSBAR	3P 12-WAY 100A COMB BUSBAI	R WITH ENDCAP	#SN-A9XPH324	1
36 WAY BRASS LINKS	36 WAY N&E BRIBAR LINKS		#DB-BRASSLINK-36	2
ANTI CONDENSATION HEATER	IPD - 15W ANTICONDENSATION	HEATER	#RACP-15	1
THERMOSTAT	IPD - 100 - 250V AC 1NC THERM	OSTAT	#TRT-10A230V-NC	1
A-O-M SWITCH	TELUX DIN RAIL MOUNTED 20A	NON-LOCABLE 2P SWITCH	#M10HEU1-SMA	1
TERMINAL	TERMINAL 2.5MM GREY		#ACC-TERM-GREY-2.5	3
SS316 PADLOCKABLE HANDLE	SWING HANDLE PADLOCKABLI	- SS316	#GEN-HANDLE -SH-PL-316	2
MCB	1P 16A 6kA MCB C - CURVE		#SN-A9F44106	1
RCBO	3P 25A 6kA RCBO 30mA C Curv	e	#SN-A9F44350	1
RCBO	2P 20A 6kA RCBO 30mA C-CUR	VE		1



### NOTES:

- 1. TO BE READ IN CONJUNCTION WITH DRAWING 5.1.4
- 2. 75 mm GALVANIZED CHANNEL PLINTH MAY BE USED WITH CONCRETE / ASHPHALT FOOTWAY
- 3. CONCRETE PLINTH SHALL BE USED INSTEAD OF GALVANISED PLINTH IF LONGITUDINAL / CROSS FALL EXCEEDS 5%
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

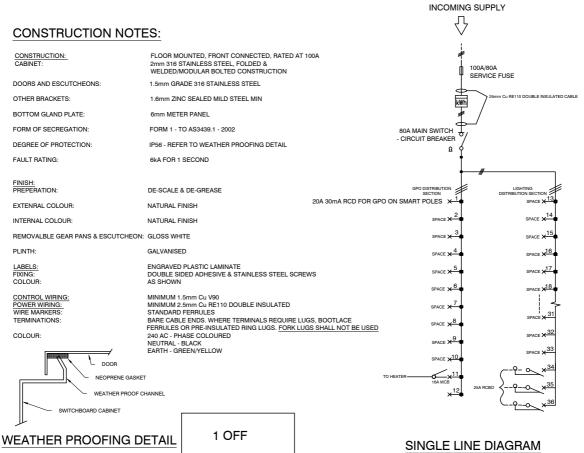


CITY OF SYDNEY **(4)** 

GENERAL
THREE PHASE SWITCHBOARD DETAILS &
SCHEMATICS (SHEET 1)

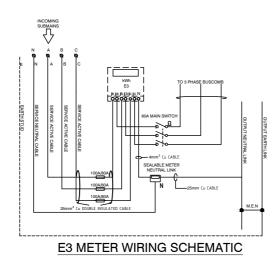
Rev E
Date 01.07.25
Approved S A

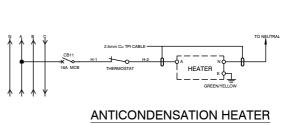
Dwg No. 5.1.3



NOTES:

MAIN ISOLATOR TO BE LOCATED IN THE **ENERGY AUTHORITY SECTION. BUS COMB** TO BE FIXED SECURELY TO THE BUSBAR.





SCHEMATIC DIAGRAM

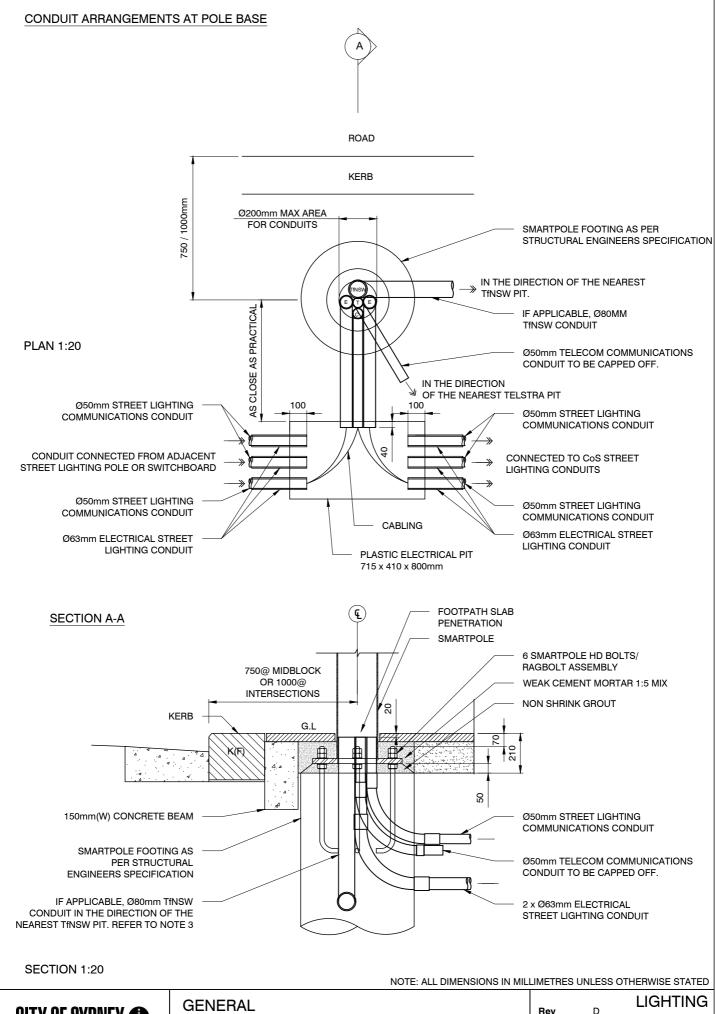
### NOTES:

- TO BE READ IN CONJUNCTION WITH DRAWING 5.1.3
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



**GENERAL** THREE PHASE SWITCHBOARD DETAILS & SCHEMATICS (SHEET 2)

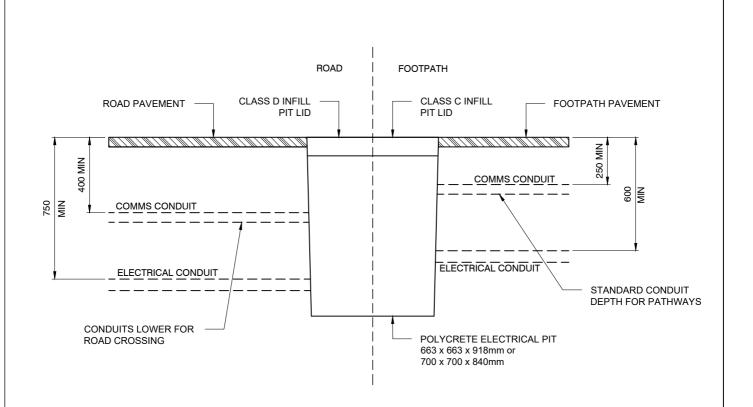
LIGHTING Rev Ε Dwg No. 01.07.25 Date 5.1.4 Approved SA



CITY OF SYDNEY **(** 

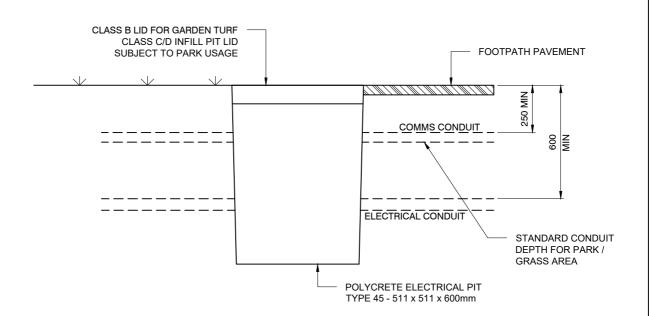
GENERAL
CONDUITS ARRANGEMENT AT POLE BASE

Rev D
Date 01.12.19 Dwg No.
Approved PS 5.1.5



### ELECTRICAL PIT ARRANGEMENT FOR ROAD / FOOTPATH

**SCALE 1:20** 



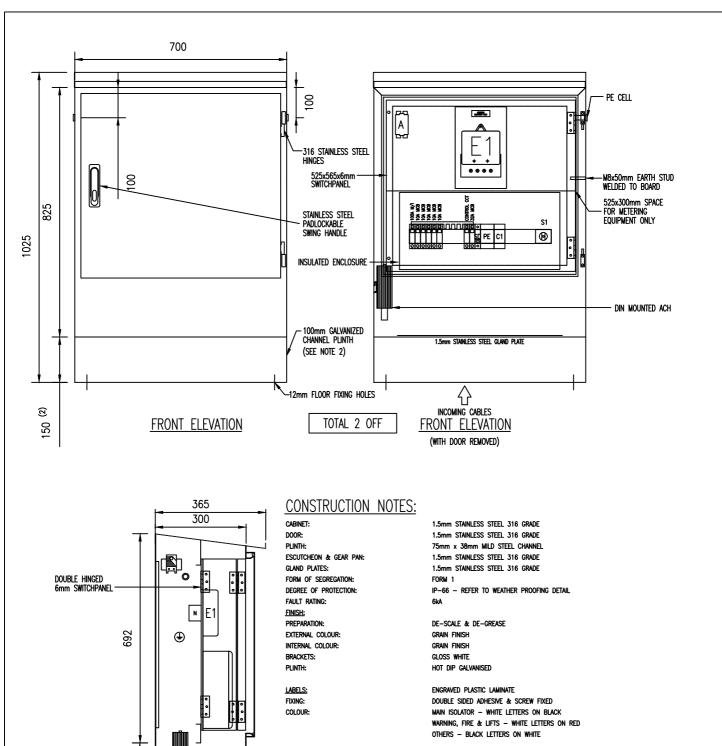
### **ELECTRICAL PIT ARRANGEMENT FOR PARKS**

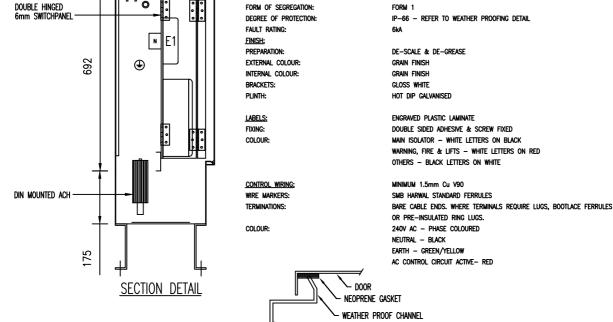
**SCALE 1:20** 

- NOTES:
  1. PIT LID IS TO HAVE A 75mm DIAMETER STAINLESS STELL DISC ENGRAVED "Cos-Electrical" SET FLUSH WITH LID SURFACE USING EPOXY ADHESIVE. THIS DISC SHOULD BE SLIP RESISTANT.
  2. REFER TO THE MANUFACTURER INSTALLATION INSTRUCTION FOR COMPLETE DETAILS
  3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



LIGHTING **GENERAL** Rev Dwg No. 01.07.25 Date GENERAL LIGHTING PIT ARRANGEMENT 5.1.6 Approved SA





NOTES:

WEATHER PROOFING DETAIL

SWITCHBOARD CABINET

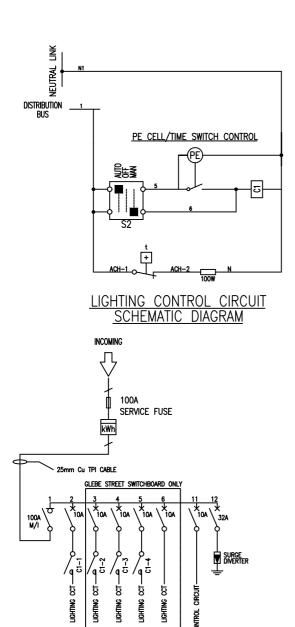
- 1. TO BE READ IN CONJUNCTION WITH DRAWING 5.1.8
- 2. 75 mm GALVANIZED CHANNEL PLINTH MAY BE USED WITH CONCRETE / ASHPHALT PAVING
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

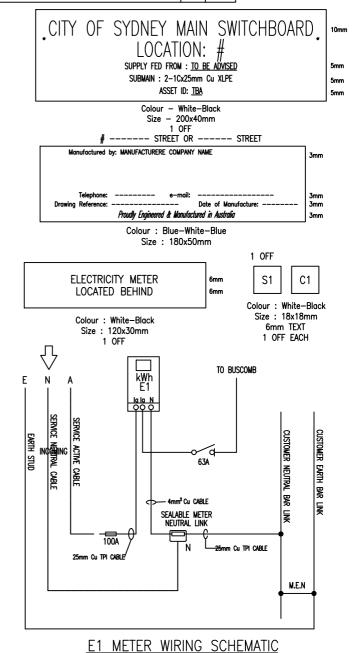
# CITY OF SYDNEY

**GENERAL** SINGLE PHASE SWITCHBOARD DETAILS & SCHEMATICS (SHEET 1)

LIGHTING Rev Dwg No. 01.07.25 Date 5.1.7 Approved SA

	EQUIPMENT SCHEDULE				
ITEMS	ITEMS INFORMATION			TOTAL	
	DESCRIPTION	PART NUMBER	QTY	TOTAL	
SERVICE FUSE	IPD SERIES 7 SERVICE FUSE	ACC-FUS-C1002BBWAI	1	2	
	FITTED WITH FUSE LINK	ACC-FUS-LRHLF-100	1	2	
SINGLE PHASE METER	SUPPLIED AND FITTED BY OTHERS		1	2	
SEALABLE NEUTRAL LINK	NETEC SEALABLE LINK 100A	AN100S-535-B	1	2	
DOOR SWING HANDLE	STAINLESS STEEL PADLOCKABLE SWING HANDLE	GEN-HANDLE-SH-PL-316	1	2	
INSULATED ENCLOSURE	CLIPSAL 24 MODULE SURFACE MOUNTING INSULATED ENCLOSURE	SN-4CF24FD	1	2	
1P 12-WAY COMB BUSBAR	SCHNEIDER 1P 12-WAY 80A COMB BUSBAR	SN-BUSCOMB12P	1	2	
1P 100A ISOLATOR	SCHNEIDER 1P 100A ISOLATOR	SN-A9S66191	1	2	
1P 32A MCB	SCHNEIDER 1P 32A MCB 6kA C-CURVE	SN-A9F44132	1	2	
1P 10A MCB	SCHNEIDER 1P 10A MCB 6kA C-CURVE (GLEBE ST SW =7 & JOH	NES ST SW=2) SN-A9F44110	-	9	
LIGHT SENSITVE SWITCH	SCHNEIDER IC200 LIGHT SENSITIVE SWITCH COMPLETE WITH PRE-V	VIRED PE CELL SN-15284	1	2	
4P CONTACTOR [C1]	SCHNEIDER 4P 25A N/O CONTACTOR 240V AC COIL	SN-A9C20834	1	2	
SELECTOR SWITCH [S1]	TELUX SURFACE MOUNT CHANGEOVER SWITCH ENGRAVED AUTO-OF	F-MAN BA-M10HSMAU1	1	2	
SURGE DIVERTER	LDU GKSDL SINGLE PHASE SINGLE MODE 50KA SURGE DIVERTER	LD-GKSDL1-50-275	1	2	
ANTI-CONDENSATION HEATERS	IPD- 240VAC 100W HEATER	IP-RACM-100	1	2	
THERMOSTAT	IPD - THERMOSTAT 1 N/C 10A 230VAC	IP-TRT-10A230-NC	1	2	





### NOTES:

- 1. TO BE READ IN CONJUNCTION WITH DRAWING 5.1.7
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SINGLE LINE DIAGRAM

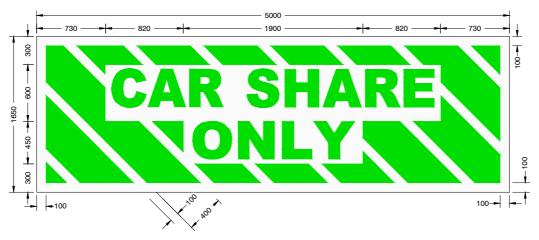


GENERAL
SINGLE PHASE SWITCHBOARD DETAILS &
SCHEMATICS (SHEET 2)

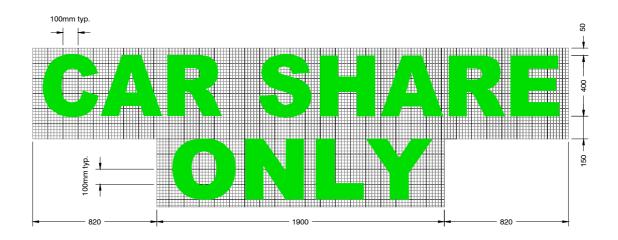
Rev D Dwg No.

Date 01.12.19 Approved P G

5.1.8



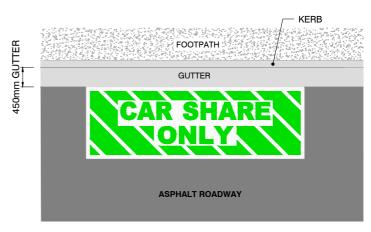
LINEMARKING PLAN SCALE 1:40



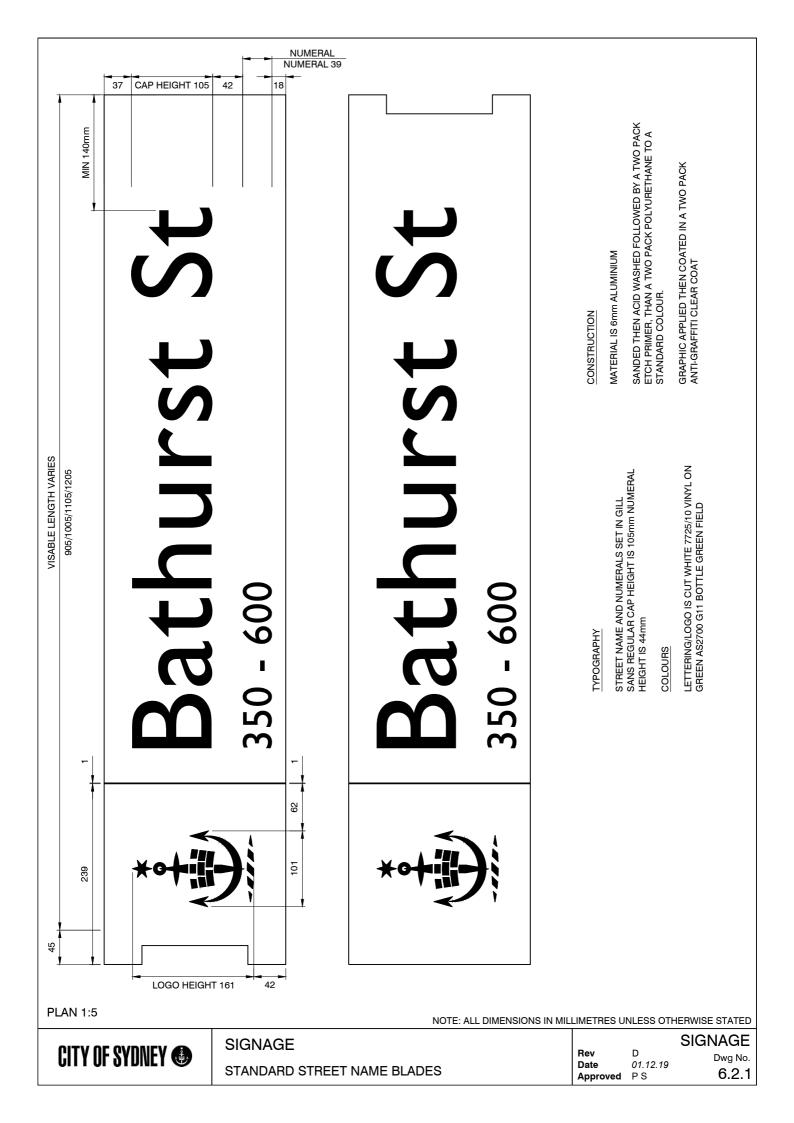
### TEXT ALIGNMENT PLAN SCALE 1:25

### NOTES:

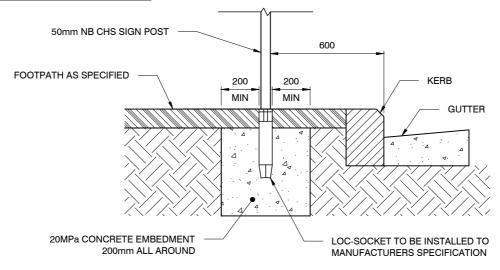
- TEXT HEIGHTS AND WIDTHS AS SHOWN.
- TEXT SHALL BE CENTRALLY LOCATED.
  TEXT SHALL BE IN GREEN LETTERING ON A WHITE BACKGROUND WITH A 100mm WIDE WHITE BORDER.
- CHEVRON MARKING SHALL BE 400mm WIDE GREEN STRIPS WITH 100mm WIDE WHITE LINES AS SHOWN.
- CHEVRON LINES SHALL BE AT A 45° ANGLE TO THE KERB AS SHOWN
- MARKING SHALL BE ALIGNED FLUSH WITH GUTTER LIP.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



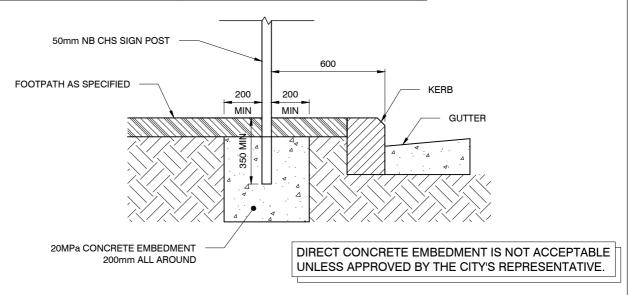
OVERALL PLAN N.T.S



### LOK-SOCKET INSTALLATION



### DIRECT CONCRETE EMBEDMENT (ALTERNATIVE OPTION ONLY IF APPROVED)

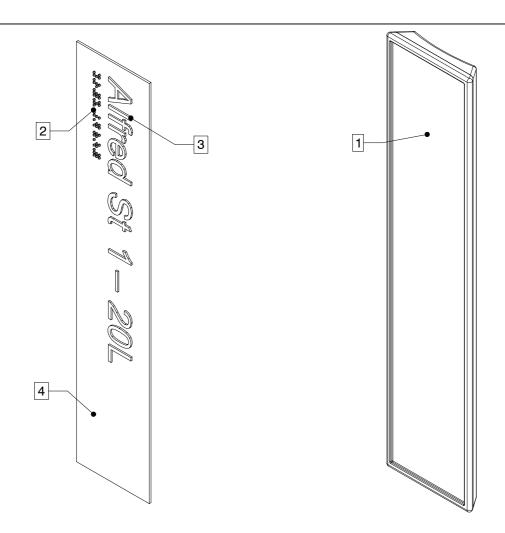


SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



SIGNAGE SIGN POST INSTALLATION Rev E Dwg No.
Approved S A 6.2.2



### **COMPONENTS:**

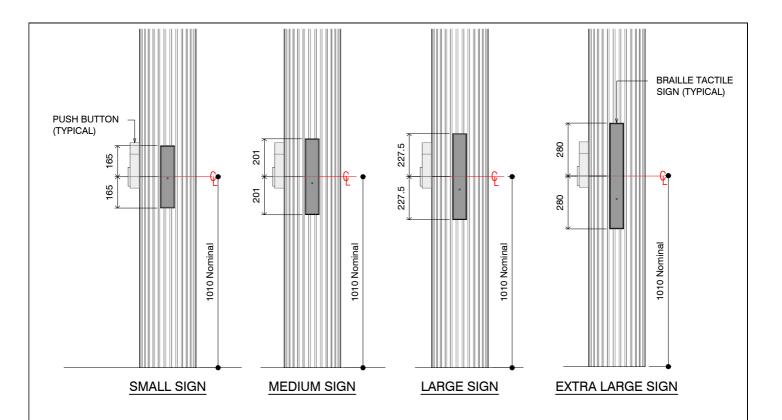
- 1 Casting Component:
- 2 **Braille Component:**
- 3 Tactile Letters Component:
- 4 Base Component:

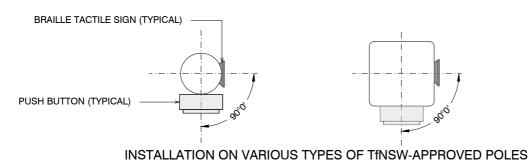
### NOTES:

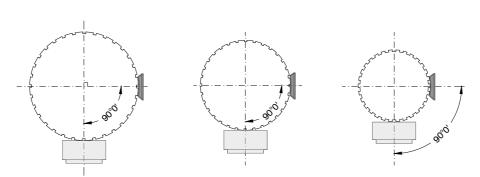
- TACTILE BRAILLE SIGNS SHALL BE INSTALLED ON EVERY POLE WHERE TRAFFIC SIGNAL PUSH BUTTON EXISTS OR BEING INSTALLED. REFER TO 'LEGIBLE SYDNEY DESIGN MANUAL' FOR DETAILED SPECIFICATIONS.
- SIZE, TYPE ,CONTENT, LOCATION, MATERIAL AND INSTALLATION DETAILS OF ANY SIGNS SHALL BE SUBMITTED AND APPROVED BY CITY'S ELECTRICAL AND STREET FURNITURE'S ASSET MANAGEMENT TEAM.
- TYPE, DESIGN, CONTENT, MESSAGING AND SIZE OF THE TACTILE SIGN VARIES DEPENDING ON THE TYPE OF THE POLE. 3.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING 6.3.3.
- TACTILE/BRAILLE SIGNAGE SHALL BE LOCATED IN A STANDARD POSITION.
- TACTILE/BRAILLE SIGNAGE SHALL BE PLACED ON THE RIGHT-HAND SIDE OF THE AUDIO TACTILE PEDESTRIAN CALL BUTTON.
- THE CENTRE OF THE SIGN SHALL BE LEVEL WITH THE CENTRE OF THE AUDIO-TACTILE PEDESTRIAN CALL BUTTON. 7.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

 $\textbf{Approved} \quad P \; S$ 

Dwg No. 6.3.1





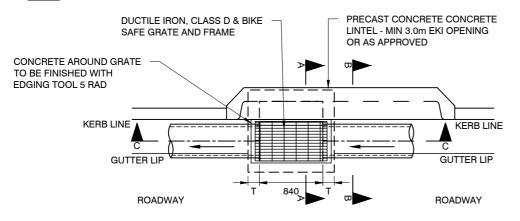


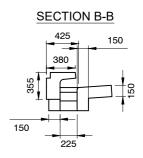
### INSTALLATION ON VARIOUS TYPES OF SMARTPOLES

### NOTES:

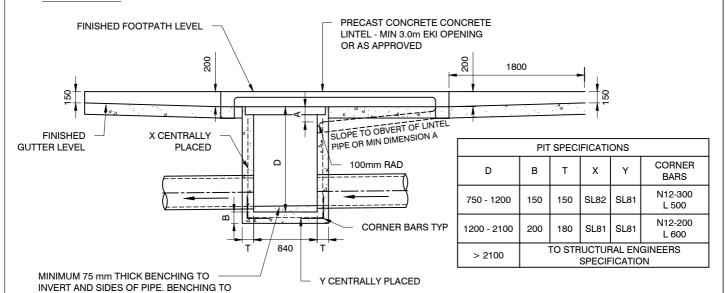
- 1. TACTILE BRAILLE SIGNS SHALL BE INSTALLED ON EVERY POLE WHERE TRAFFIC SIGNAL PUSH BUTTON EXISTS OR BEING INSTALLED.
- SIZE, TYPE ,CONTENT, LOCATION, MATERIAL AND INSTALLATION DETAILS OF ANY SIGNS SHALL BE SUBMITTED AND APPROVED BY CITY'S ELECTRICAL AND STREET FURNITURE'S ASSET MANAGEMENT TEAM.
- 3. TYPE AND SIZE OF THE TACTILE SIGN VARIES DEPENDING ON THE TYPE OF THE POLE.
- 4. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING 6.3.3.
- 5. TACTILE/BRAILLE SIGNAGE SHALL BE LOCATED IN A STANDARD POSITION.
- 6. TACTILE/BRAILLE SIGNAGE SHALL BE PLACED ON THE RIGHT-HAND SIDE OF THE POLE AS THE READER FACES THE KERB.
- 7. THE CENTRE OF THE SIGN SHALL BE LEVEL WITH THE CENTRE OF THE AUDIO-TACTILE PEDESTRIAN CALL BUTTON.
- 7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

### **PLAN**



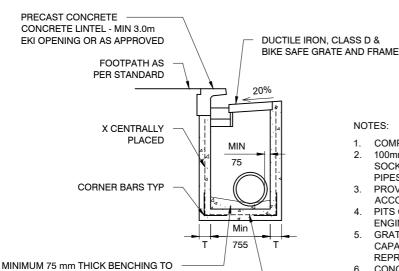


### **SECTION C-C**



### **SECTION A-A**

EXTEND TO OBVERT HEIGHT WHERE SHOWN



INLET LENGTH - EKI (m)	MINIMUM DIMENSION A (mm)	
1.8	250	
2.4	300	
3.0	400	
3.6	450	
4.2	500	

- COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
- 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET
- PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING
- PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL **ENGINEER**
- GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE
- CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
- DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**SCALE 1:50** 

CITY OF SYDNEY

INVERT AND SIDES OF PIPE. BENCHING TO

EXTEND TO OBVERT HEIGHT WHERE SHOWN

PITS & PIPES STANDARD GULLY PIT WITH EXTENDED KERB INLET

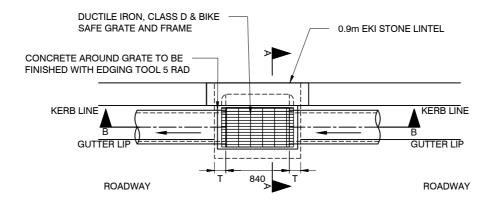
Y CENTRALLY

**PLACED** 

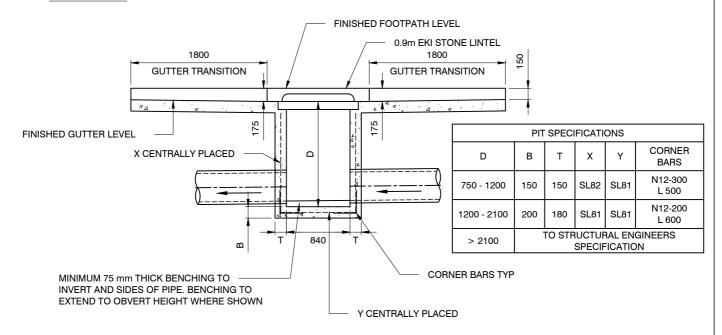
DRAINAGE

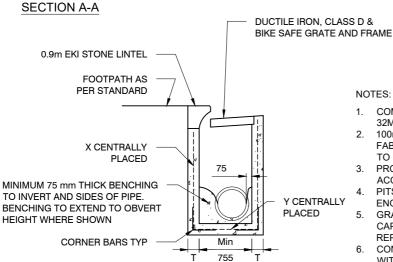
Rev Dwg No. Date 01.12.19 ΡG 7.1.1 Approved

### **PLAN**



### **SECTION B-B**





### NOTES:

- COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
- 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
- PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
- PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
- GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE
- CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
- DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED **CONCRETE PIPE**
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**SCALE 1:50** 



PITS & PIPES STANDARD GULLY PIT WITH STONE INLET DRAINAGE

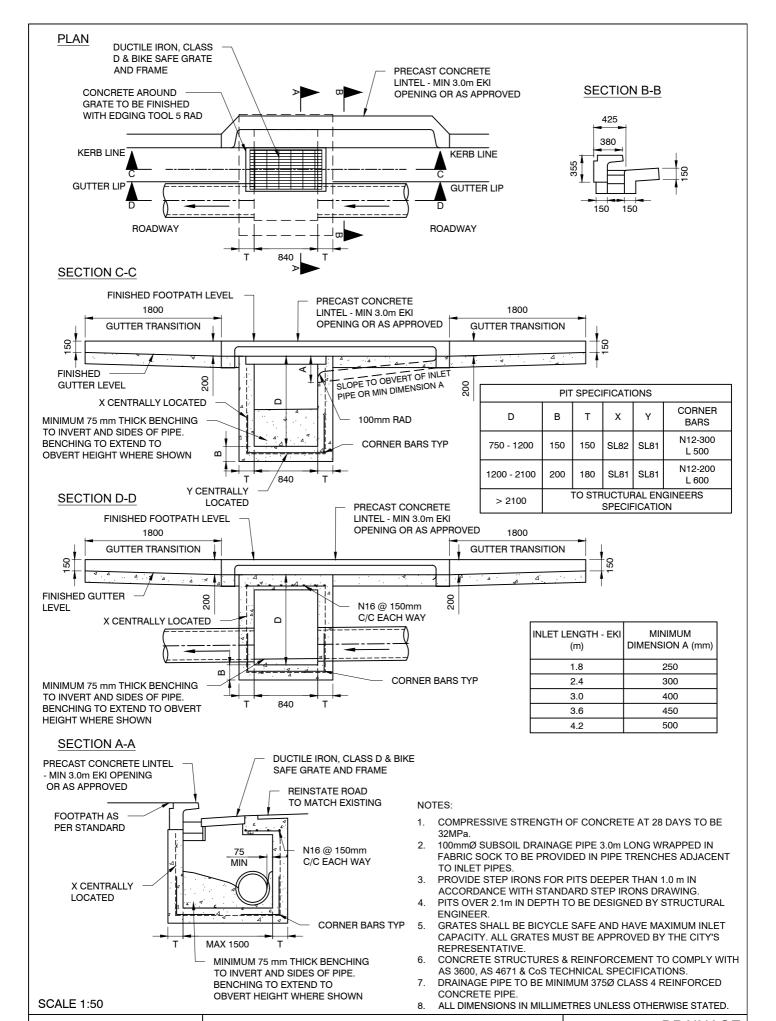
D Rev Dwg No. 01 12 19 Date 7.1.2 PS Approved

### NOTES: 1. CONCRETE STRUCTURES & REINFORCEMENT TO PLAN COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS. DUCTILE IRON, CLASS D & BIKE 0.9m EKI ALL REINFORCEMENT TO BE GRADE 500 SAFE GRATE AND FRAME STONE LINTEL COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa MINIMUM LAP LENGTH IS TO BE 40 x BAR Ø UNO. CONCRETE AROUND GRATE ALL REINFORCEMENT SHALL BE PLACED IN TO BE FINISHED WITH MID-SECTION UNO **EDGING TOOL 5 RAD** MIN CONCRETE BEAM COVER SHALL BE 40mm 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN KERB LINE KERB LINE PIPE TRENCHES ADJACENT TO INLET PIPES. 5. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER. 6. PROVIDE STEP IRONS FOR PITS DEEPER THAN GUTTER LIP **GUTTER LIE** 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING. 7. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST 845 500 845 ROADWAY **ROADWAY** BE APPROVED BY THE CITY'S REPRESENTATIVE. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE ALL DIMENSIONS IN MILLIMETRES UNLESS 0.9m EKI STONE LINTEL 10xN16 LONGITUDINAL OTHERWISE STATED. FINISHED FOOTPATH LEVEL 1800 1800 **GUTTER TRANSITION** GUTTER TRANSITION 150 175 **FINISHED** PIT SPECIFICATIONS 845 845 **GUTTER LEVEL** CORNER X CENTRALLY D В Т Х PLACED **BARS** N12-300 750 - 1200 150 150 **SL82 SL81** L 500 N12-200 1200 - 2100 200 180 SI 81 SI 81 TO STRUCTURAL ENGINEERS 2190 > 2100 **SPECIFICATION** MINIMUM 75 mm THICK BENCHING TO Y CENTRALLY INVERT AND SIDES OF PIPE. BENCHING TO CORNER BARS TYP PLACED. EXTEND TO OBVERT HEIGHT WHERE SHOWN SECTION C-C R10 -100 LIGATURES R10 -100 TO SUIT LIGATURES 2N16 TOP GRATE & LINTEL 4N16 MIN MIN 300 300 4N16 BOTTOM 4N16 BOTTOM 500 500 SECTION D-D **SECTION E-E** 0.9m EKI STONE LINTEL 0.9m EKI STONE LINTEL 175 DUCTILE IRON, CLASS D & **FOOTPATH AS FOOTPATH AS BIKE SAFE GRATE AND FRAME** PER STANDARD PER STANDARD 8 COG ALL N16 BARS 300mm INTO WALL X CENTRALLY PLACED (TYP.) X CENTRALLY PLACED CORNER BARS TYP **CORNER BARS TYP** m В Min Min 755 755 **SECTION A-A SECTION B-B SCALE 1:50**

CITY OF SYDNEY �

PITS & PIPES

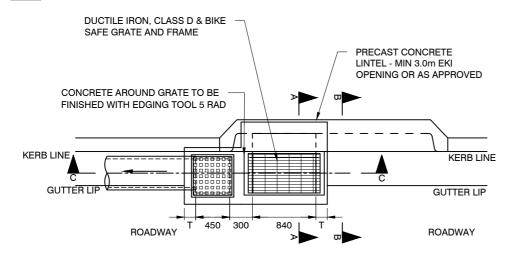
DOUBLE GRATE/LINTEL PIT WITH STONE INLET

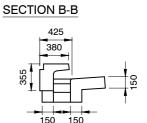


CITY OF SYDNEY 🌑

PITS & PIPES
STANDARD EXTENDED GULLY PIT

### **PLAN**





CORNER

**BARS** 

N12-300

L 500 N12-200

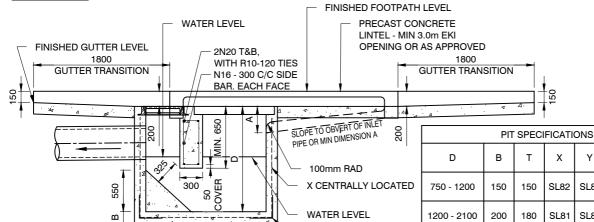
SL81

SI 81

TO STRUCTURAL ENGINEERS

**SPECIFICATION** 

### **SECTION C-C**



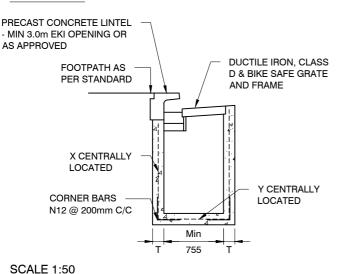
Т

**CORNER BARS** 

N12 @ 200mm C/C

INLET LENGTH - EKI (m)	MINIMUM DIMENSION A (mm)
1.8	250
2.4	300
3.0	400
3.6	450
4.2	500

### **SECTION A-A**



600

1590

# NOTES:

> 2100

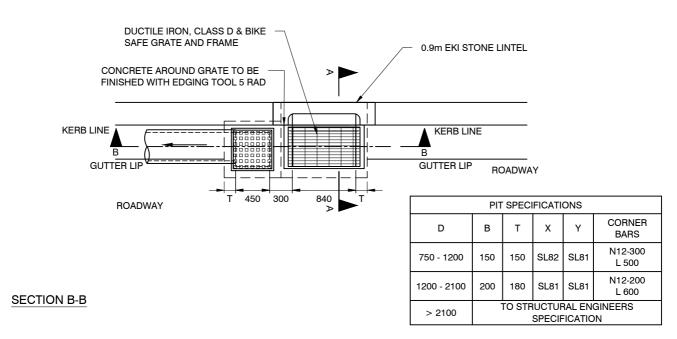
- COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
- 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
- PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
- PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL **ENGINEER**
- GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE
- CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
- MINIMUM LAP LENGTH IS TO BE 40 x BAR Ø UNLESS NOTED OTHERWISE
- DRAINAGE PIPE TO BE MINIMUM Ø375 CLASS 4 REINFORCED CONCRETE PIPE
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

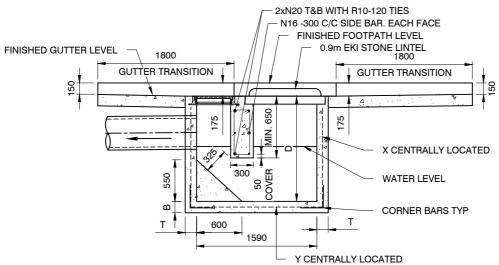
CITY OF SYDNEY

PITS & PIPES TRAPPED GULLY PIT WITH EXTENDED KERB INLET DRAINAGE

Ε Rev Dwg No. 16 11 22 Date 7.1.5 Approved SA

### **PLAN**





### SECTION A-A

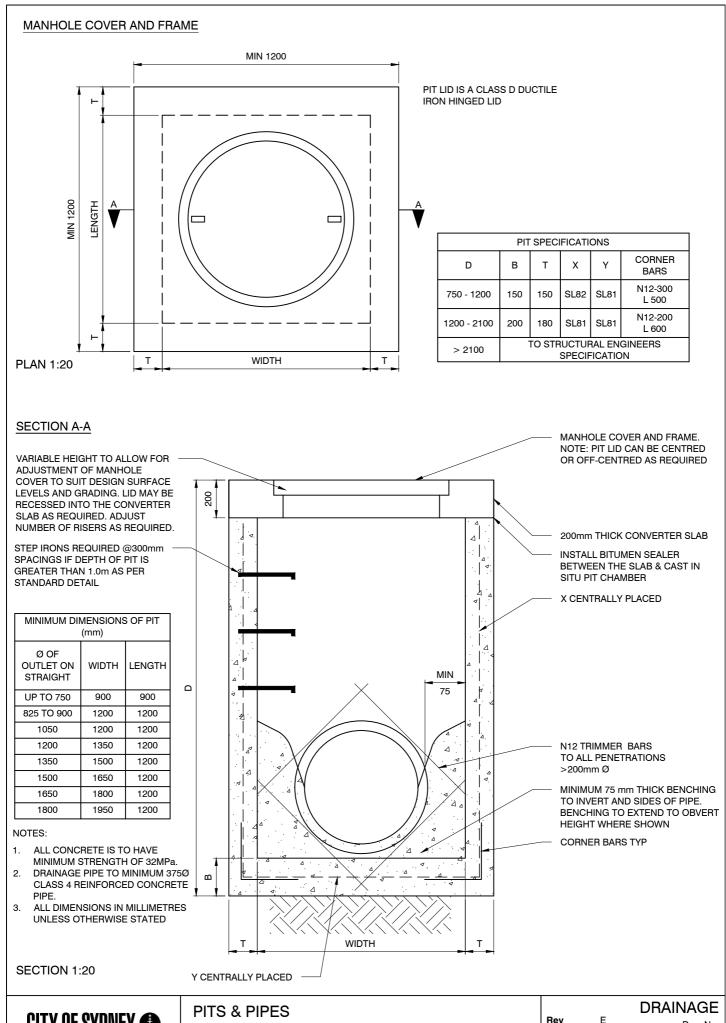
# O.9m EKI STONE LINTEL FOOTPATH AS PER STANDARD X CENTRALLY PLACED CORNER BARS TYP SCALE 1:50 DUCTILE IRON, CLASS D & BIKE SAFE GRATE AND FRAME Y CENTRALLY PLACED Y CENTRALLY PLACED

### NOTES:

- COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
- 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
- PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
- PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
- GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
- CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
- DRAINAGE PIPE TO MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
- 8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY **(4)** 

PITS & PIPES
TRAPPED GULLY PIT WITH STONE INLET



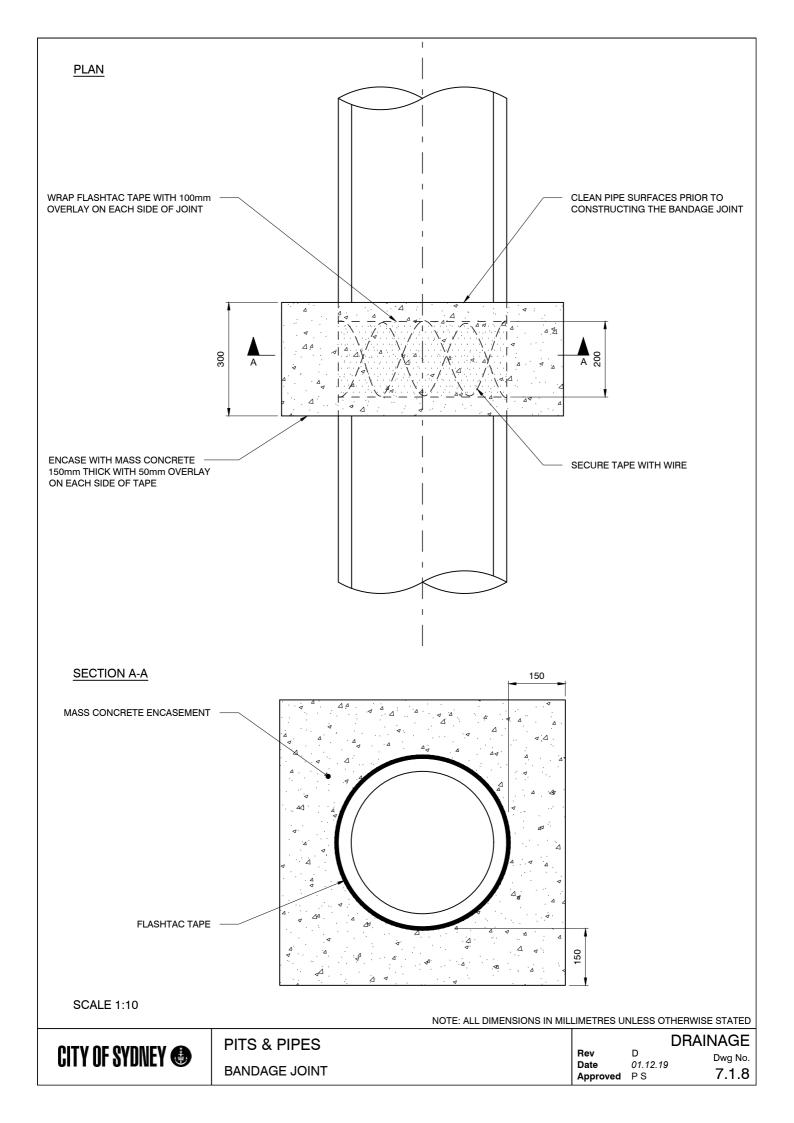
CITY OF SYDNEY

STANDARD JUNCTION PIT

Ε Dwg No.

16.11.22 Date Approved SA

7.1.7



# CONCRETE PIPE TRENCH BACKFILL DETAIL 900mm DIA. EXISTING SURFACE LEVEL FOOTPATH/ROAD TO SUIT (REFER TO PAVEMENT DETAILS) BACKFILL BACKFILL ZONE Σ 150 **OVERLAY ZONE** 150 MIN SIDE ZONES 0.5D 0.3D HAUNCH ZONES 100 BED ZONE COMPACTED D/3 COMPACTED UNCOMPACTED SECTION 1:10 NOTES:

- 1. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
- 2. TRENCH BACKFILL DETAIL FOR DRAINAGE PIPE GREATER THAN 900 mm DIA SHALL BE REVIEWED AND APPROVED BY COUNCIL'S REPRESENTATIVE.
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY	OF SYDNEY 🔮
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PITS & PIPES

TYPICAL PIPE TRENCH BACKFILL

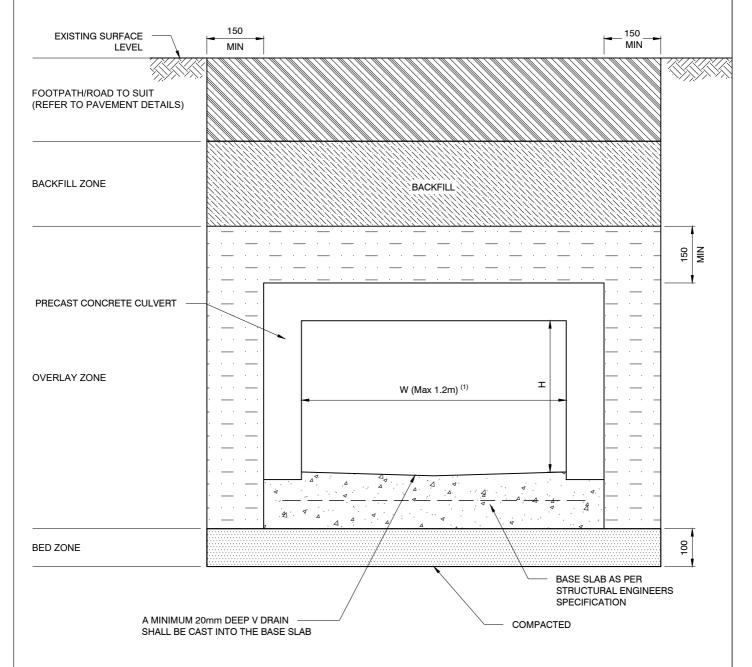
Rev D Dwg No.

 Date
 01.12.19

 Approved
 P S

7.1.9

### CONCRETE CULVERT TRENCH BACKFILL DETAIL



SECTION 1:10

### NOTES:

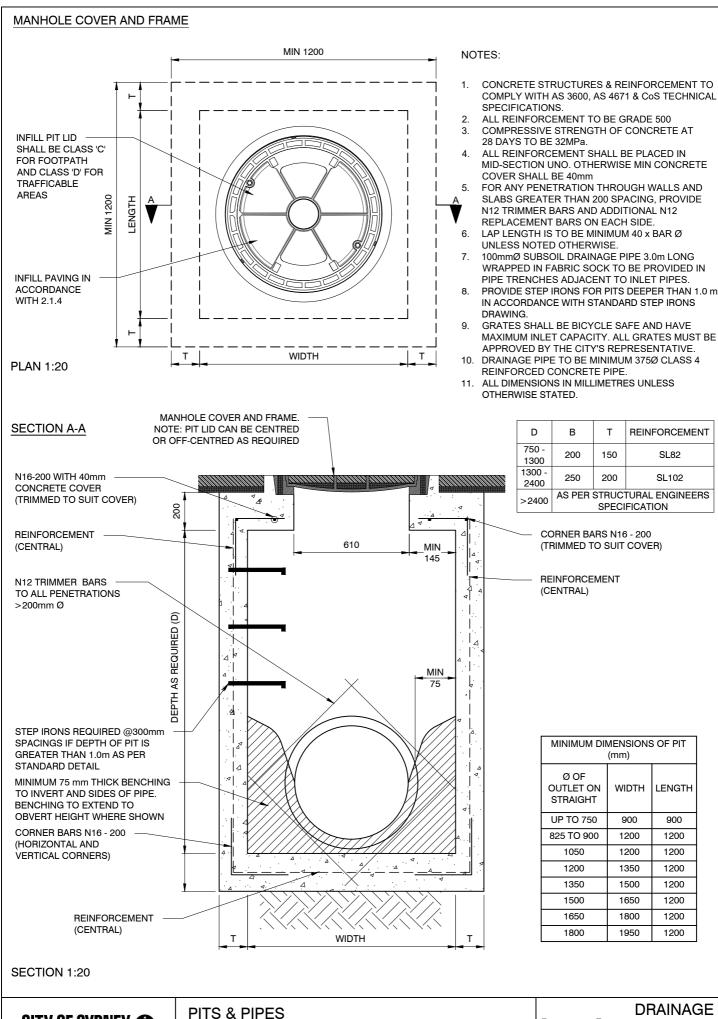
- 1. CULVERTS WITH WIDTHS GREATER THAN 1.2 m SHALL BE CONSTRUCTED AS PER THE STRUCTURAL ENGINEER'S SPECIFICATIONS.
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



PITS & PIPES

TYPICAL CULVERT TRENCH BACKFILL

 $\begin{array}{ccc} & & DRAINAGE \\ \textbf{Rev} & \textbf{F} & Dwg \ \textbf{No.} \\ \textbf{Date} & \textit{01.07.25} & \textbf{7.1.10} \\ \textbf{Approved} & \textbf{S} \ \textbf{A} & \textbf{7.1.10} \\ \end{array}$ 



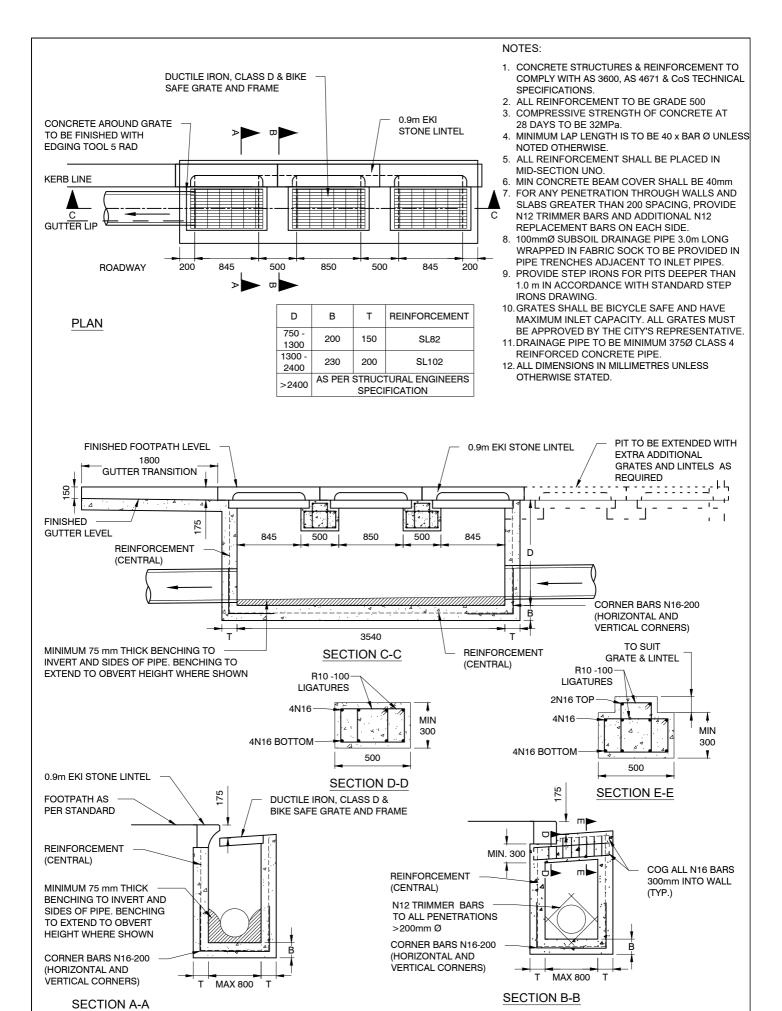
CITY OF SYDNEY

JUNCTION PIT WITH INFILL LID

Е Rev Dwg No. 16.11.22

Date Approved SA

7.1.11



CITY OF SYDNEY �

PITS & PIPES HIGH FLOW INLET PIT (STONE KERB) DRAINAGE

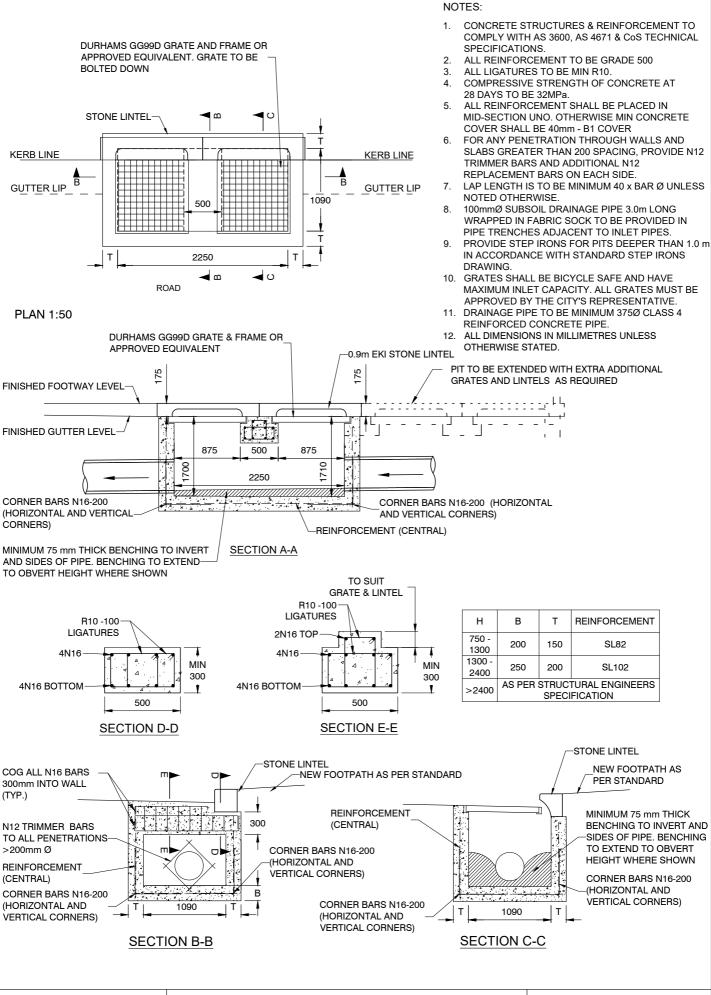
Rev E Dwg No.

16 11 22

 Date
 16.11.22

 Approved
 S A

7.1.12

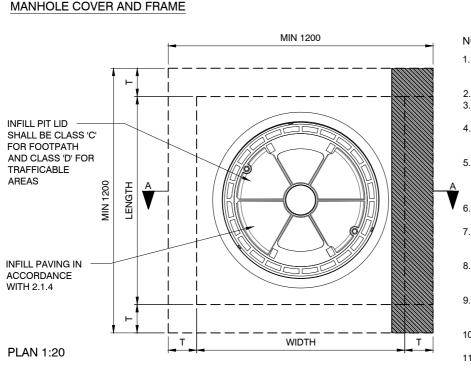


CITY OF SYDNEY **(** 

PITS & PIPES STANDARD SURCHARGE PIT (STONE KERB)

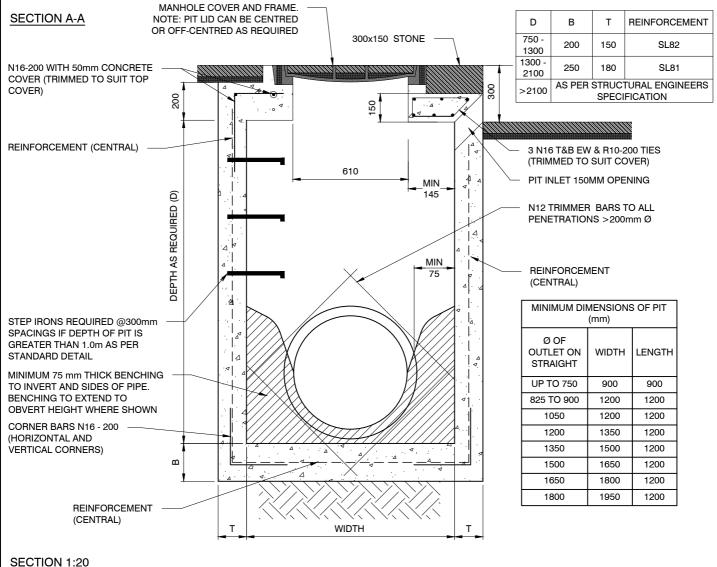
DRAINAGE

Rev E
Date 16.11.22
Approved S A
Dwg No.
7.1.13



### NOTES:

- CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS **TECHNICAL SPECIFICATIONS**
- ALL REINFORCEMENT TO BE GRADE 500
- COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
- ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO. OTHERWISE MIN CONCRETE COVER SHALL BE 40mm
- FOR ANY PENETRATION THROUGH WALLS AND SLABS GREATER THAN 200 SPACING, PROVIDE N12 TRIMMER BARS AND ADDITIONAL N12 REPLACEMENT BARS ON EACH SIDE.
- LAP LENGTH IS TO BE MINIMUM 40 x BAR Ø UNLESS NOTED OTHERWISE
- 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
- PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
- GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
- 10. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

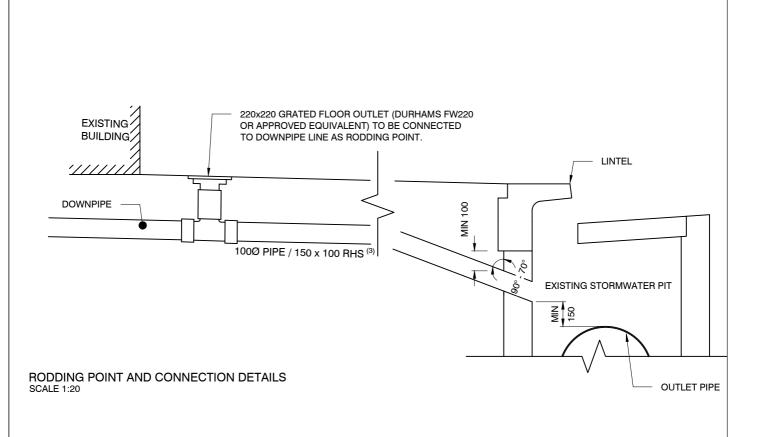


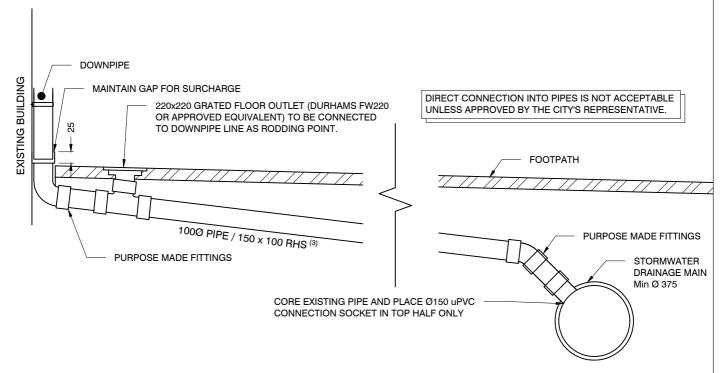
CITY OF SYDNEY

PITS & PIPES KERB INLET PIT AT STATION DRAINAGE

D Rev 01 12 19 Date PS Approved

Dwg No. 7.1.14





ALTERNATIVE RODDING POINT DETAILS SCALE 1:20

ALTERNATIVE CONNECTION DETAILS (ONLY IF APPROVED) SCALE 1:20

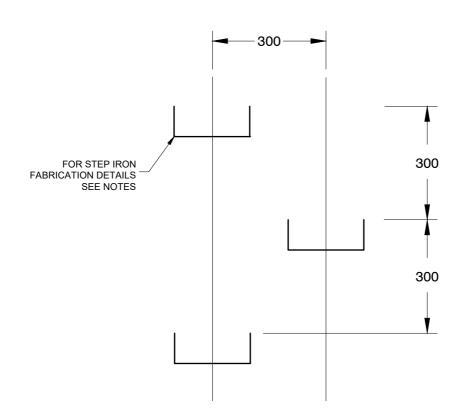
### NOTES:

- 1. ALL CONNECTIONS SHALL BE CORE DRILLED AND SEALED WITH A NON-SHRINK GROUT.
- 2. PIPE SHALL COMPLY WITH TECHNICAL SPECIFICATIONS FOR DIRECT CONNECTIONS.
- FOR DISCHARGE VIA A KERB OUTLET, WHERE FOOTPATH PAVERS ARE THICKER THAN 40 MM, 150 X 50 mm GALVANIZED RHS WITH 5 MM THICKNESS CAN BE USED. REFER TO STANDARD DRAWING 1.1.14.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY 🐠

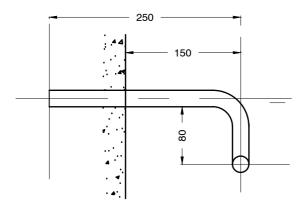
PITS & PIPES
PROPERTY DRAINAGE CONNECTION TO COUNCIL PIPE

| DRAINAGE | Rev | F | Dwg No. | Date | 01.07.25 | Approved | S A | 7.1.18



STEP IRON ARRANGEMENT

### **ELEVATION 1:10**



SECTION 1:5

### NOTES:

- STEP IRONS MUST BE FABRICATED FROM 20mm Ø M.S.
   ALL BENDS MUST BE FORMED AROUND 12mm diameter PIN.
- 3. STEP IRONS MUST BE HOT-DIPPED GALVANISED.
- 4. STEP IRONS MUST BE LOCATED:

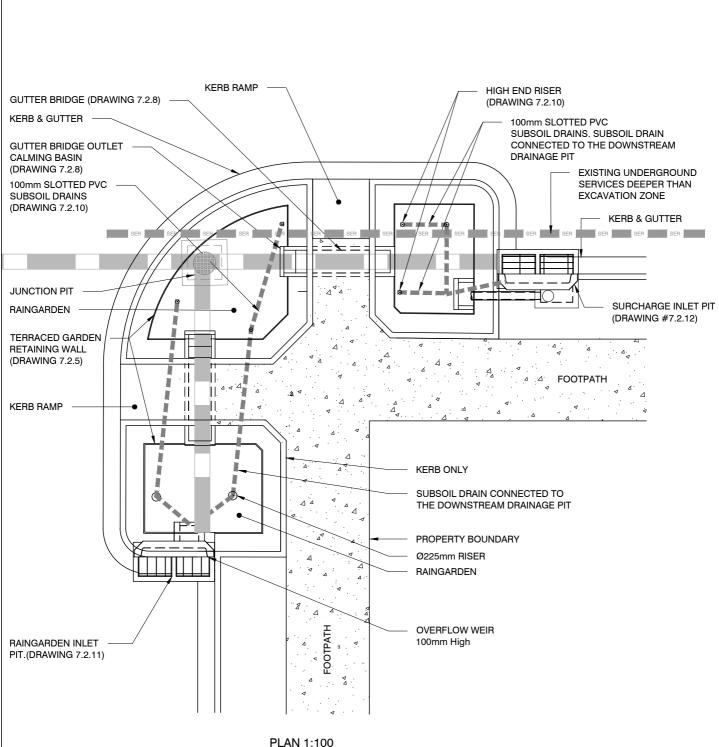
  - (i) DIRECTLY BELOW THE OPENING OF THE COVER.
    (ii) DESIRABLY ON A WALL WITHOUT PIPE OPENINGS.
    (iii) DESIRABLY ON ONE OF THE LONG SIDES OF THE PIT.
- 8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY �

PIT & PIPES STANDARD STEP IRONS **DRAINAGE** Dwg No.

Date 01.12.19 Approved P S

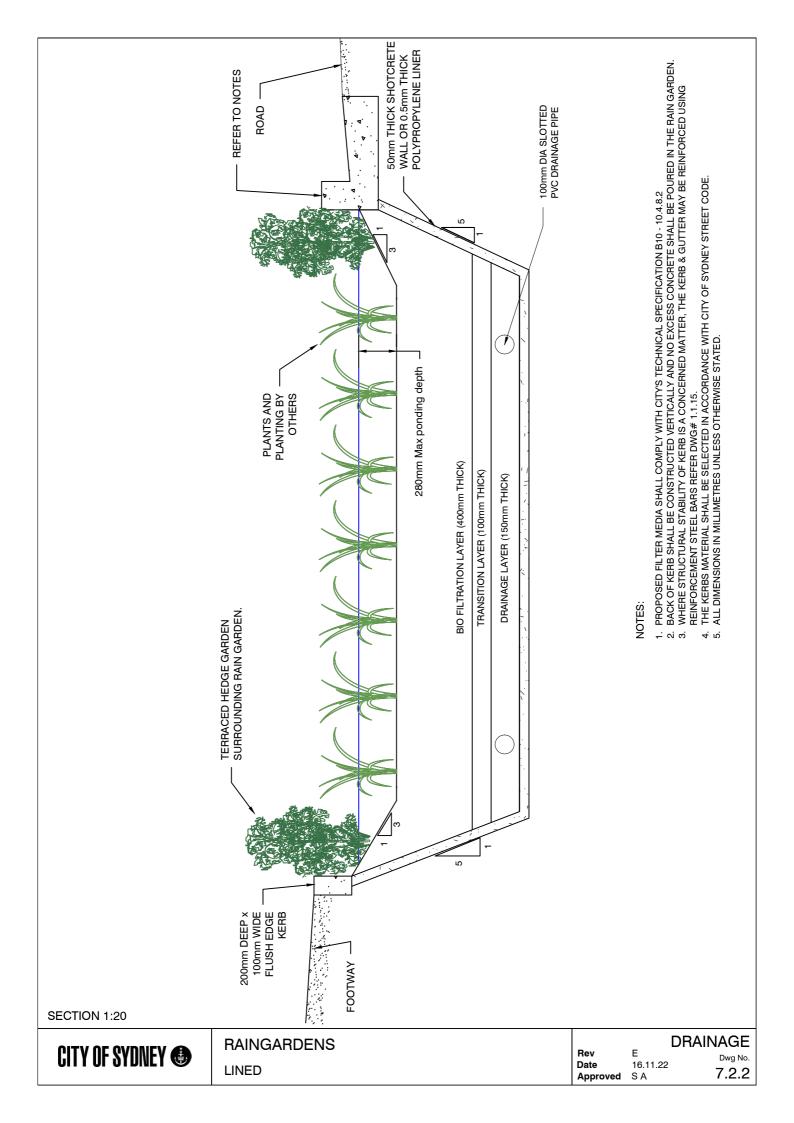
7.1.19

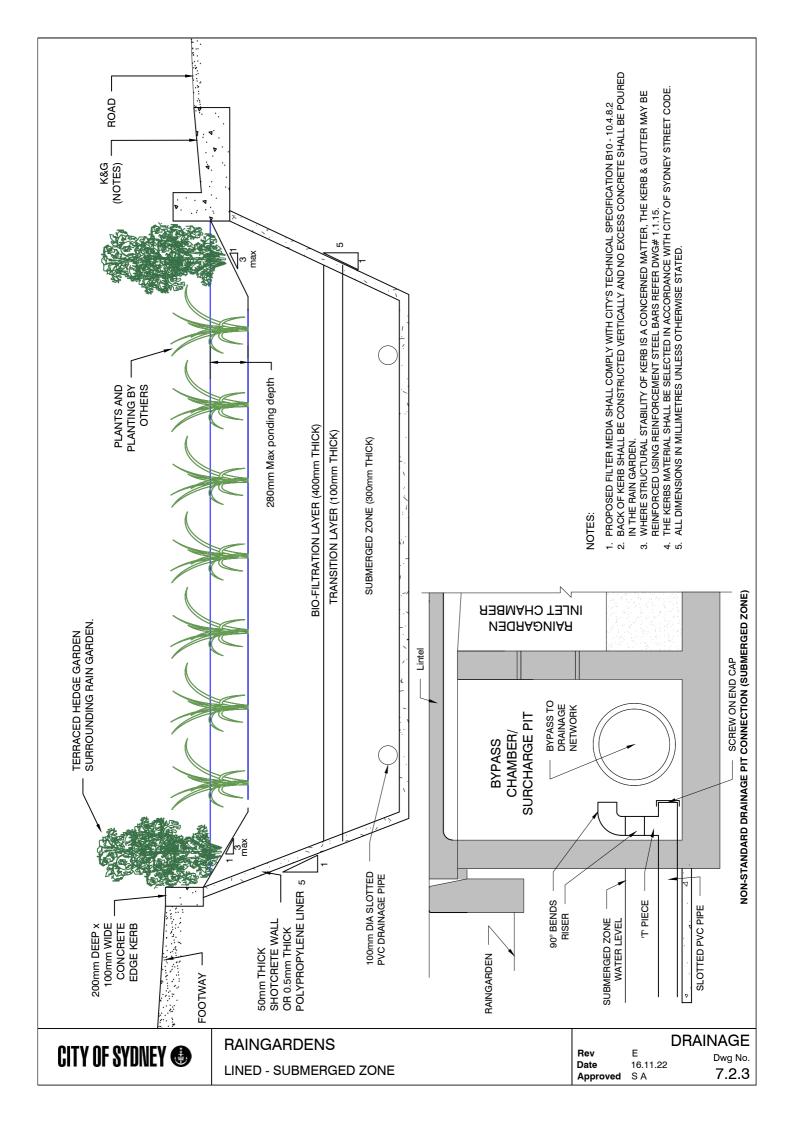


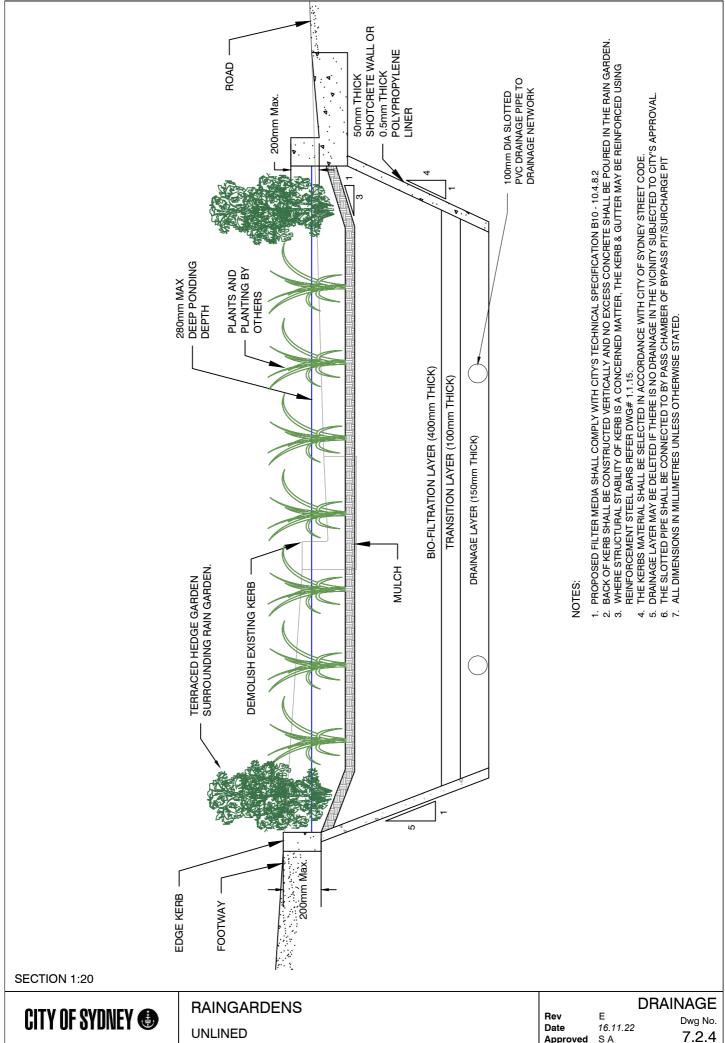
### NOTES:

- 1. THE RAINGARDENS ARE PREFERRED TO BE TERRACED RAINGARDEN TO MAXIMISE THE PONDING VOLUME. REFER DRAWING 7.2.5.
- THE RAINGARDEN & SURROUNDINGS AREAS SHALL BE DESIGNED IN ACCORDANCE WITH SYDNEY STREET TECHNICAL SPECIFICATION PART A4.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

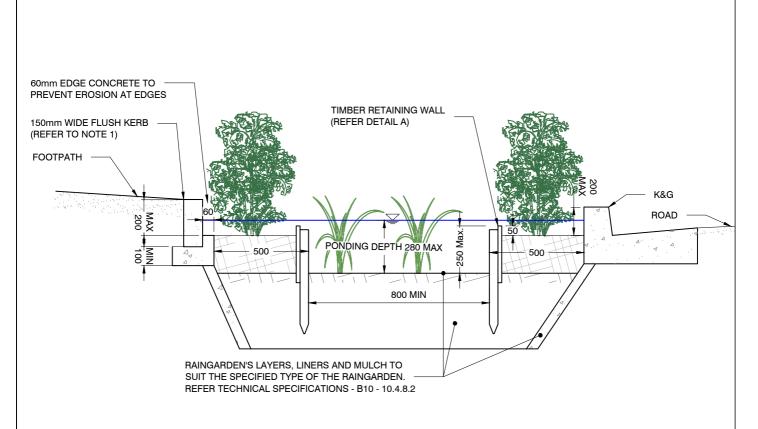
Rev D Dwg No. 01.12.19 Date 7.2.1 PS Approved

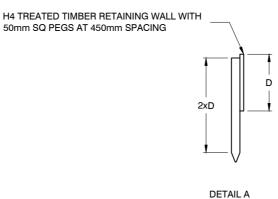






SA Approved



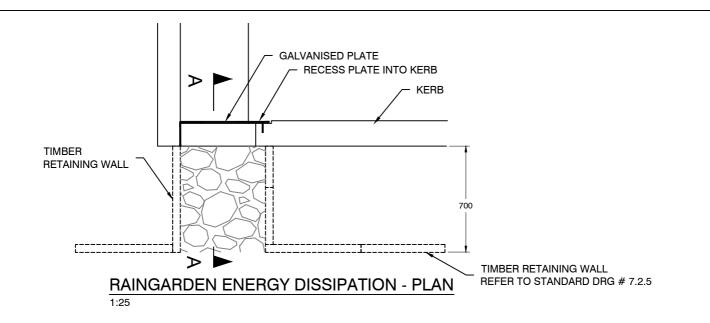


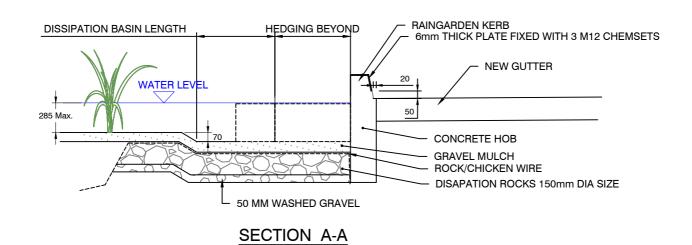
### NOTES:

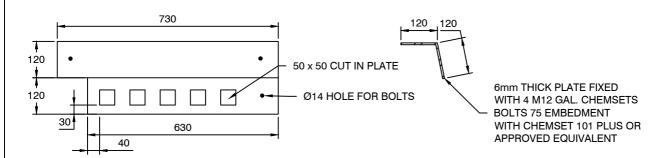
- 1. THE FLUSH KERB AT THE EGDE OF THE FOOTPATH SHALL BE SELECTED TO MATCH THE SURROUNDING KERBS.
- 2. FOR KERB AND GUTTER DETAILS REFER TO STANDARD DRAWING # 1.1.1 & 1.1.2
- 3. OTHER MATERIALS MAY BE USED FOR THE RETAINING TERRACED EDGES UPON CITY'S APPROVAL.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

Rev E Dwg No.

Date 16.11.22
Approved S A 7.2.5







# **GALVANISED PLATE**

1.10

# NOTES:

- 1. DISSIPATION BASIN LENGTH SHALL BE MINIMUM 400mm UNLESS NOTES OTHERWISE.
- T TERRACE GARDEN IS THE PREFFERED OPTION FOR MOST OF RAINGARDENS EXCEPT ROCK SWALES: IN WHICH CASE ENTRY STRUCTURE SHALL BE DESIGNED TO SUIT THE ROCK SWALE
- 3. THE PLATE SHALL BE RECESSED INTO THE KERB
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY	OF SYDNEY 🍪	
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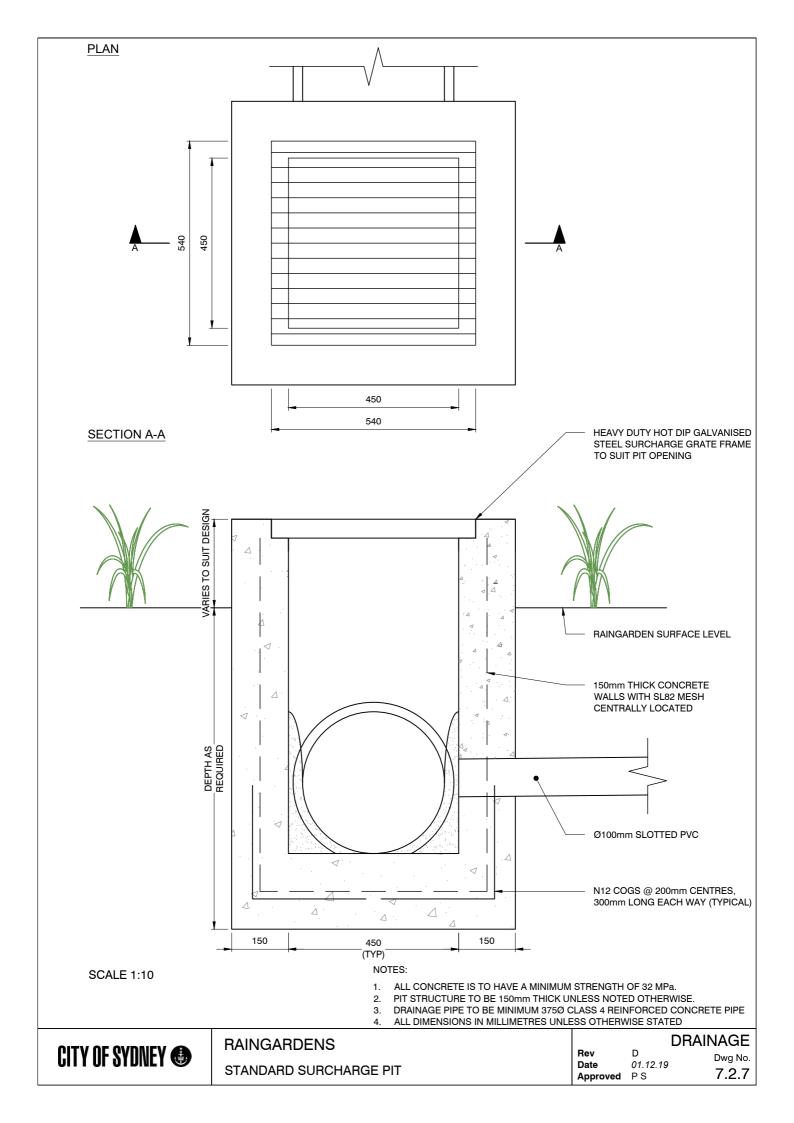
RAINGARDEN

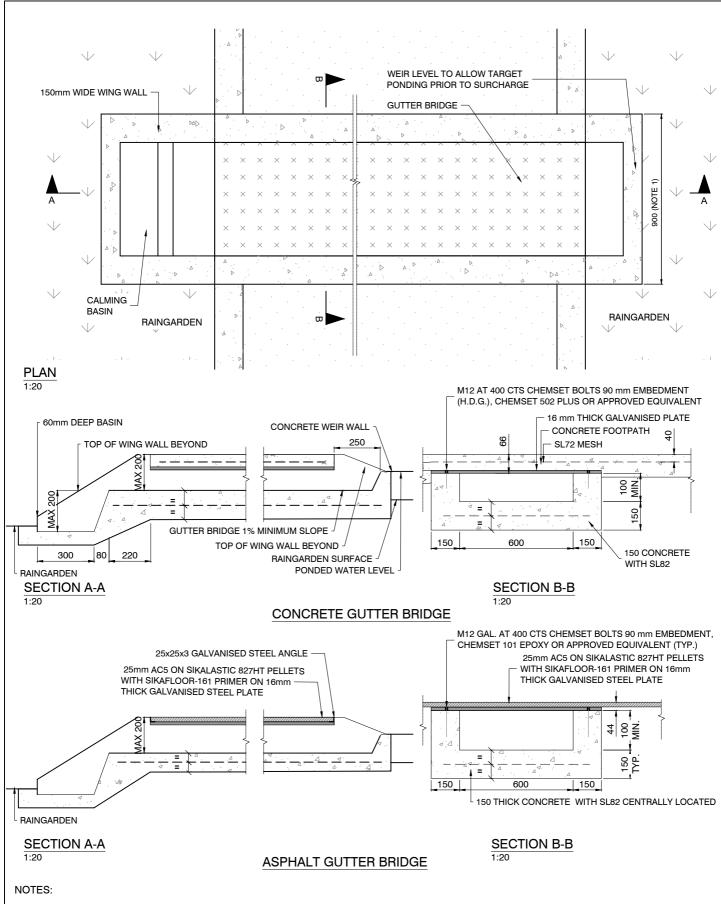
RAINGARDEN DIRECT INFLOW WEIR AND CALMING BASIN DIRECT ENTRY

 Date
 16.11.22

 Approved
 S A

7.2.6



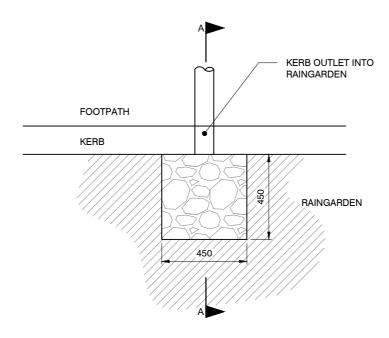


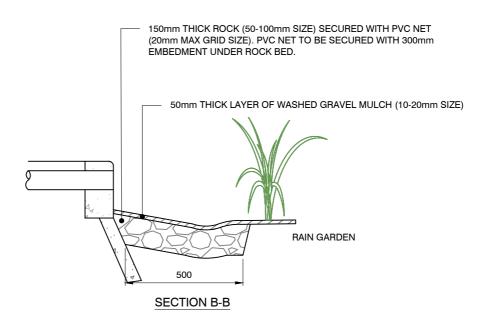
- 1. GUTTER BRIDGE SHALL BE DESIGNED TO SUIT MINIMUM 5 YEARS ARI STORM. DESIGNER SHALL SUBMIT MAINTENANCE REGIME WITH ANY RAINGARDEN INCORPORATED IN DESIGN.
- 2. USE OF BONDEK IS NOT ALLOWED FOR GUTTER BRIDGES.
- 3. SIZE OF GUTTER BRIDGE SHALL BE DESIGNED TO SUIT THE ANTICIPATED FLOW RATES
- 4. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
- 5. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
- 6. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



RAINGARDENS GUTTER BRIDGE DETAILS  $\begin{array}{ccc} \text{Rev} & \text{DRAINAGE} \\ \text{Rev} & \text{E} & \text{Dwg No.} \\ \text{Date} & 16.11.22 \\ \text{Approved} & \text{S A} & 7.2.8 \\ \end{array}$ 

# SMALL DISSIPATION ROCKS





SCALE 1:20

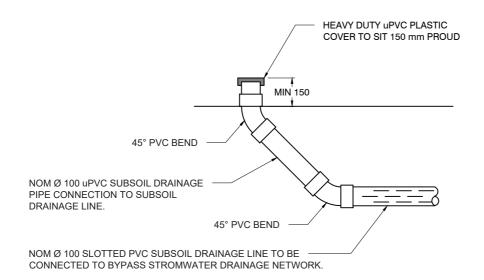
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



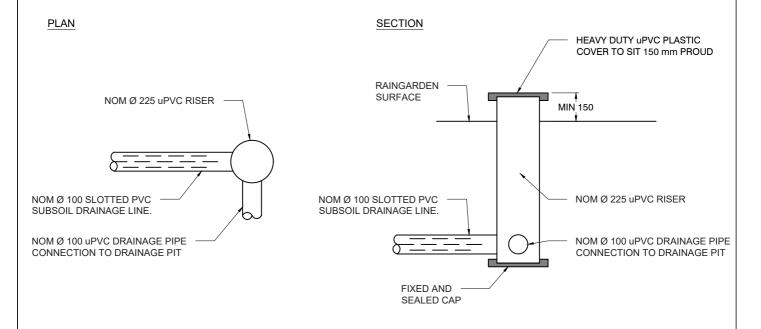
RAINGARDENS DISSIPATION ROCKS SMALL KERB OUTLETS  $\begin{array}{ccc} & & DRAINAGE \\ \textbf{Rev} & D \\ \textbf{Date} & \textit{01.12.19} \\ \textbf{Approved} & PS & \textbf{7.2.9} \\ \end{array}$ 

# Ø 100 HIGH END RISER

# **SECTION**



# Ø 225 HIGH END RISER JUNCTION



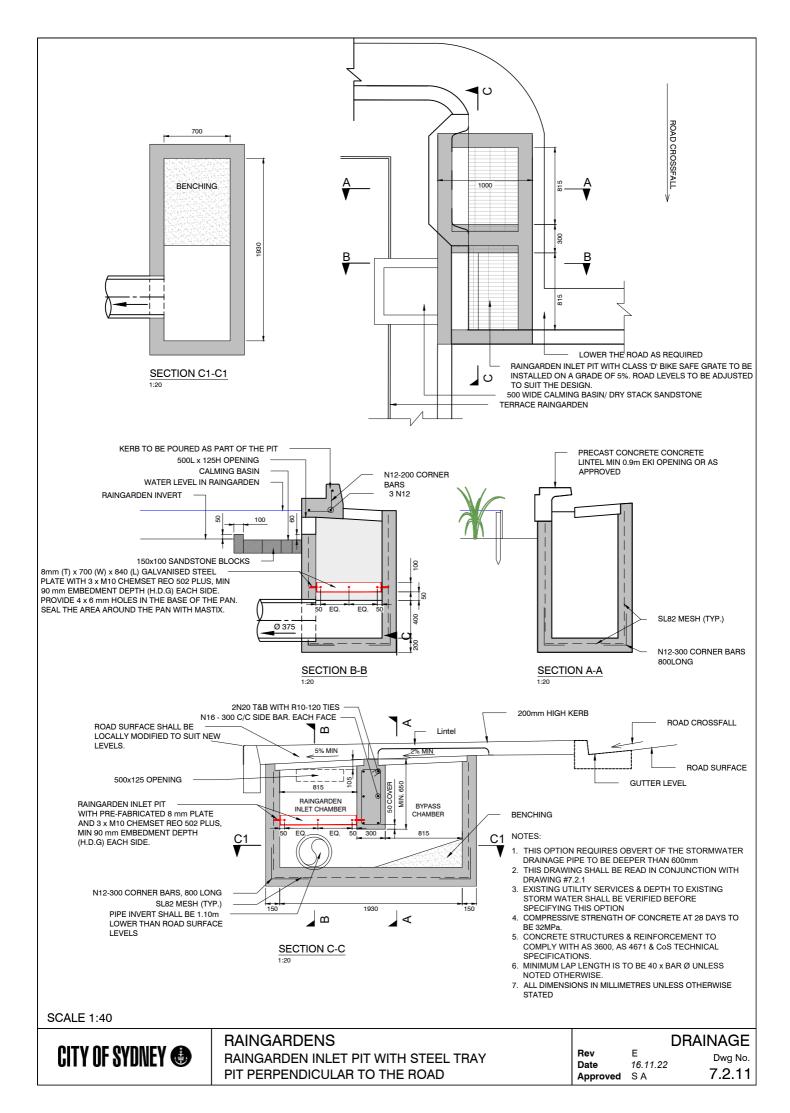
# NOTES:

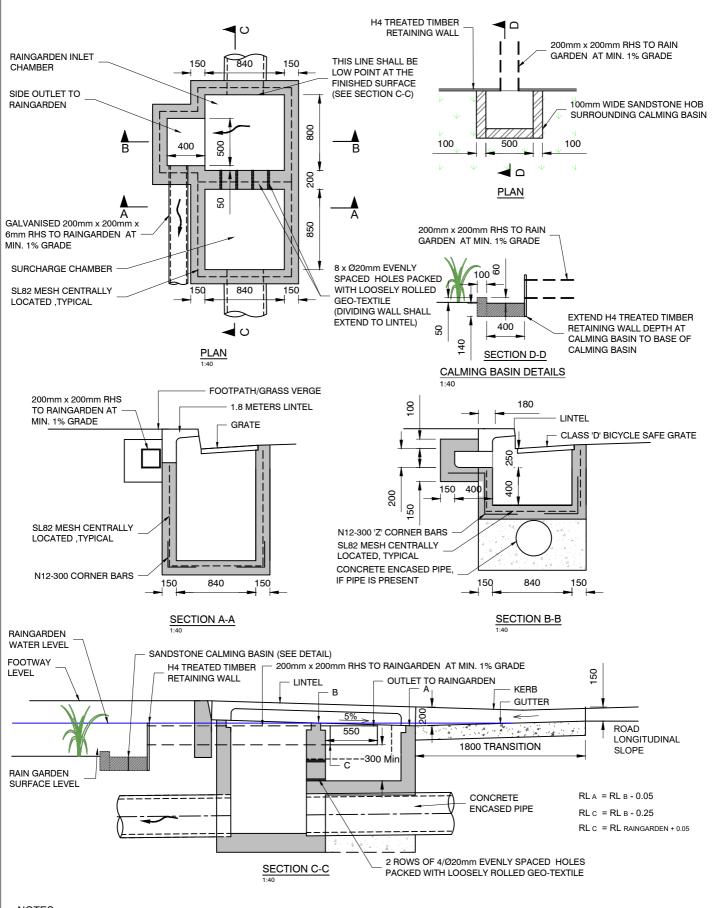
- 1. THE SUBSOIL DRAIN SHALL BE CONNECTED TO THE
  - BYPASS CHAMBER OF THE INLET PIT, OR;
  - BYPASS DRAINAGE PIT, OR;
  - RAINGARDEN SURCHARGE PIT.
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**SCALE 1:20** 

CITY OF SYDNEY **(4)** 

RAINGARDENS
SUBSOIL DRAINS AND HIGH END RISER





- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING #7.2.1
- 2. THIS OPTION REQUIRES OBVERT OF THE STORMWATER DRAINAGE PIPE TO BE DEEPER THAN 700 mm.
- 3. SIZE OF THE BYPASS SHALL BE ADJUSTED TO SUIT THE CATCHMENT SIZE.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

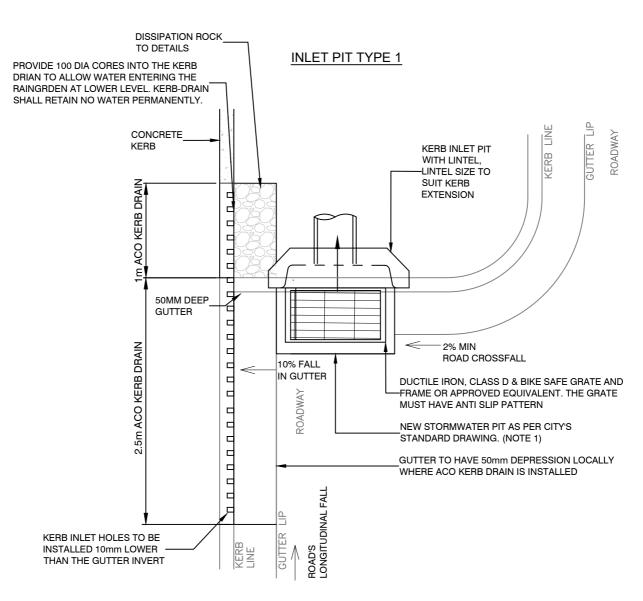


RAINGARDENS RAINGARDEN INLET PIT PIT PARALLEL TO THE ROAD

DRAINAGE Rev Dwg No. 01.07.25 Date 7.2.12

Approved

S A



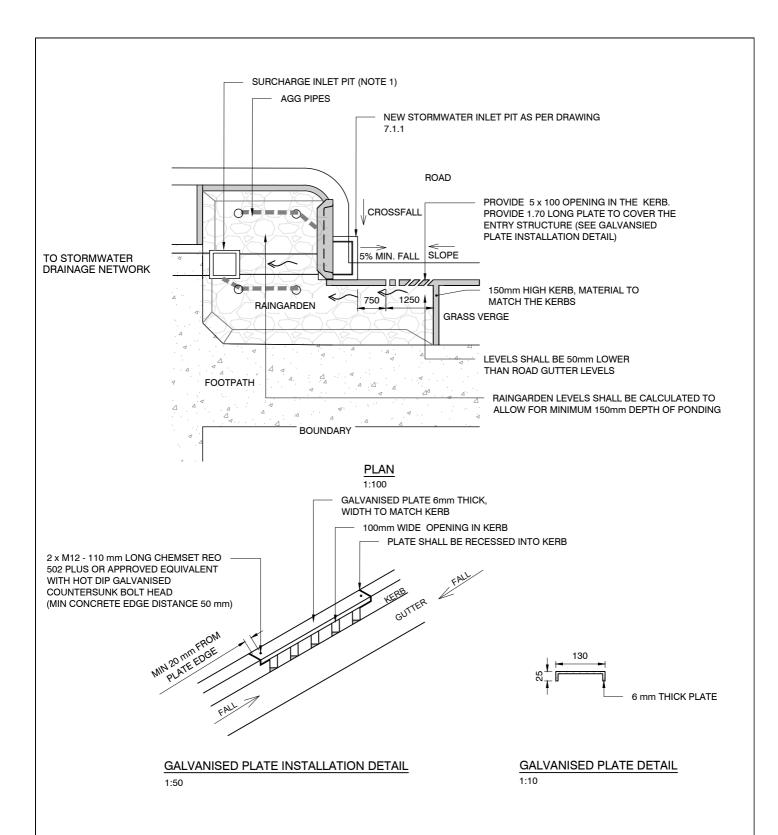
PLAN 1:40

# NOTES:

- 1. STORMWATER PIT SHALL BE CONSTRUCTED AS PER CITY'S STANDARD DRAWINGS. THE PIT SHALL BE CAREFULLY SELECTED TO SUIT SYDNEY STREET CODE & STANDARD SPEC. FROM DRAWINGS #7.1.1 TO 7.1.6.
- 2. THE ACO KERB DRAIN OR APPROVED EQUIVALENT SHALL BE USED FOR RANGARDEN ENTRY PIT.
- 3. THIS DETAIL IS WELL SUITED FOR THE AREAS WHERE
- (i) NO GRASS VERGE EXISTS
- (ii) THE DRAINAGE PIPES ARE SHALLOWER THAN 1.20m.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



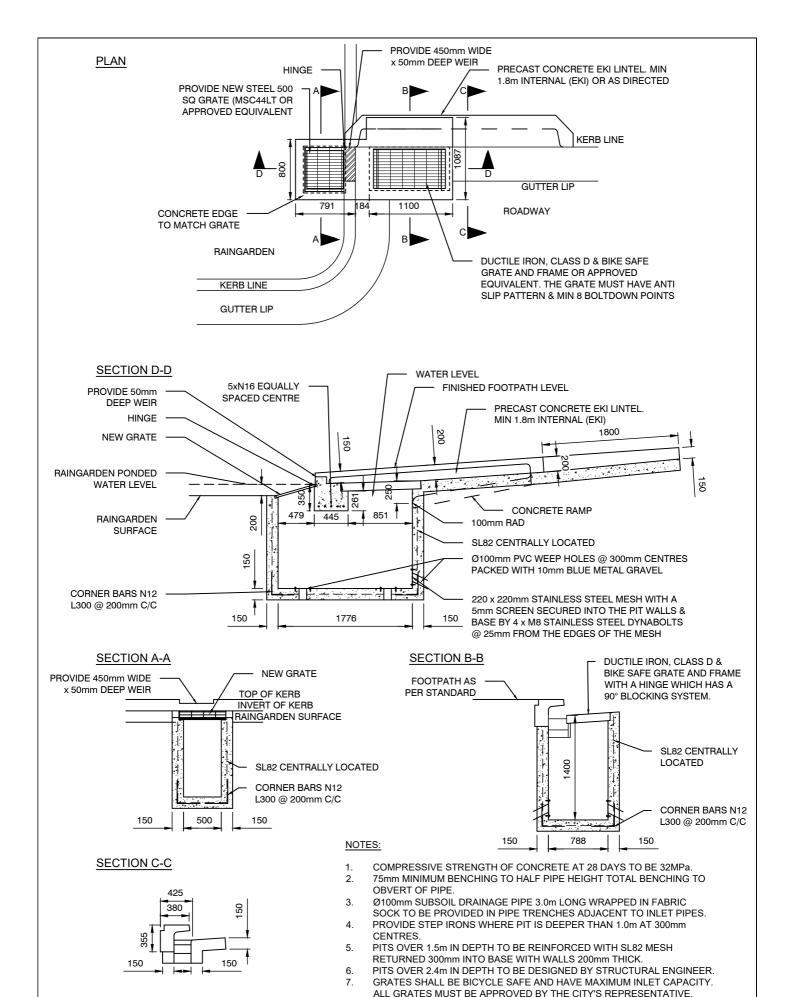
RAINGARDENS
RAINGARDEN WITH KERBDRAIN & STANDARD
DRAINAGE PIT AS BYPASS



- 1. RAINGARDEN SHALL BE DESIGNED IN ACCORDANCE WITH SYDNEY STREET TECHNICAL SPECIFICATION PART A4.
- 2. SURCHARGE PIT MAY BE DELETED UPON APPROVAL. REFER SYDNEY STREET TECHNICAL SPECIFICATION PART A4.
- . THIS OPTION BEST SUITS SMALLER CATCHMENTS WHERE:
- (i) FOOTPATH HAS A GRASS VERGE.
- (ii) INVERTS OF THE EXISTING DRAINAGE PIPES ARE SHALLOWER THAN 1.2m.
- THE DRAINAGE PIT SHALL BE CONSTRUTUED IN ACCORDANCE WITH DRAWINGS #7.1.1 TO #7.1.6.
- 5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



RAINGARDENS SETOUT PLAN WITH DIRECT SIDE INLET



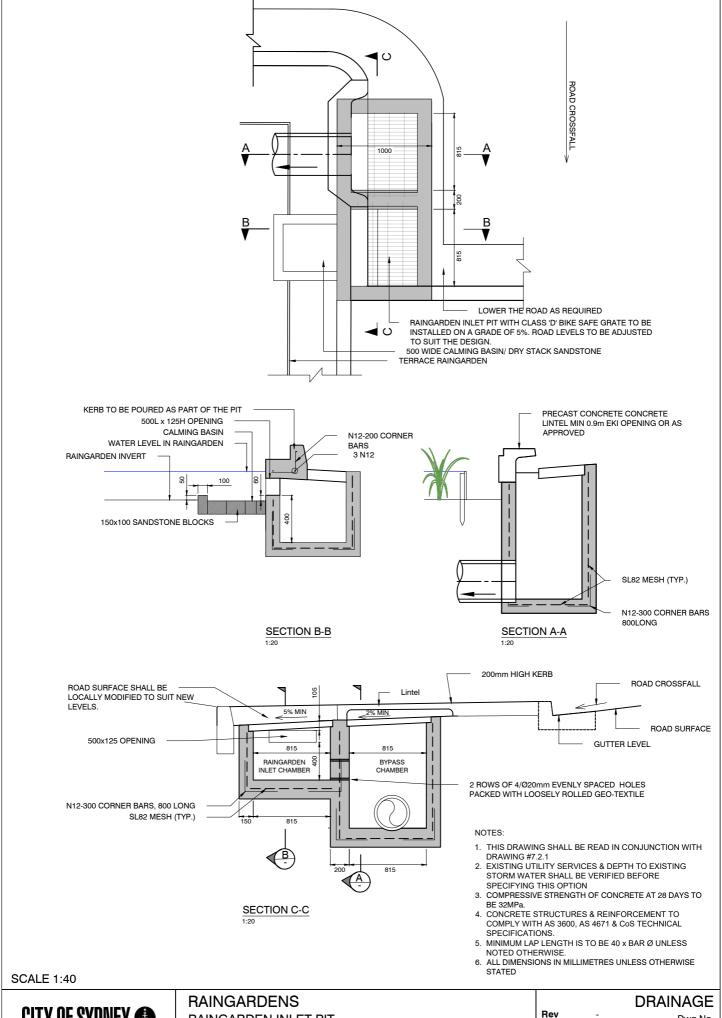


**SCALE 1:50** 

8

ALL CONCRETE IS TO HAVE A MINIMUM STRENGTH OF 32MPa.

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



CITY OF SYDNEY **(** 

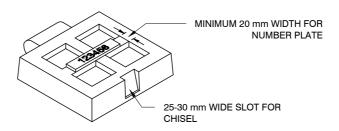
RAINGARDEN INLET PIT PIT PERPENDICULAR TO THE ROAD Dwg No.

01.07.25 Date Approved SA

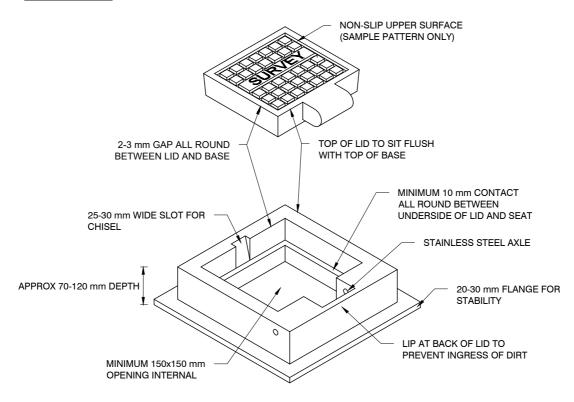
7.2.17



# LID (UNDERSIDE)



# LID (TOPSIDE)



FRAME

SECTION 1:10

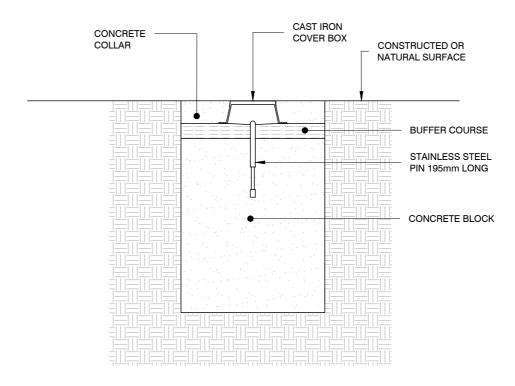
ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY **(** 

PERMANENT SURVEY MARKS SURVEY MARKS IN CARRIAGEWAY







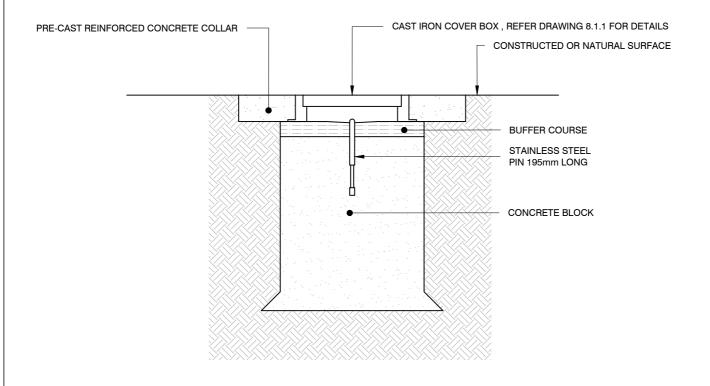
SECTION 1:10

- MINIMUM SIZE OF CONCRETE 460 mm DEEP BY 380 mm 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 50 mm ABOVE THE SURFACE OF THE CONCRETE BLOCK.
- 4. THE BUFFER COURSE IS TO BE A 50 mm LAYER OF CRUSHED BRICK,GRAVEL OR COARSE SAND.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



**Date** *01.12.19* **Approved** P S

Rev

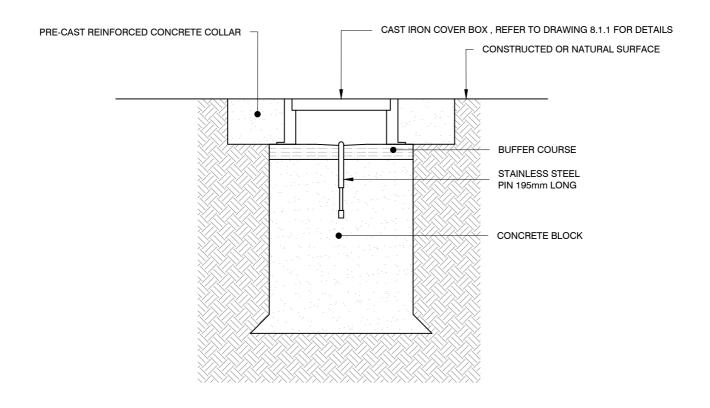


SECTION 1:10

- MINIMUM SIZE OF CONCRETE 460 mm DEEP BY 380 mm 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 50 mm ABOVE THE SURFACE OF THE CONCRETE BLOCK.
- 4. THE BUFFER COURSE IS TO BE A 50 mm LAYER OF CRUSHED BRICK, GRAVEL OR COARSE SAND.
- 5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



Rev



SECTION 1:10

#### NOTES:

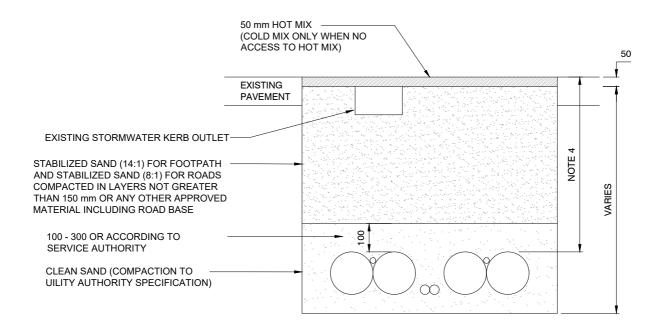
- MINIMUM SIZE OF CONCRETE 460 mm DEEP BY 380 mm SQUARE AND ENLARGED AT THE BOTTOM. WHERE SOLID ROCK IS MET THE DEPTH MAY BE VARIED.
- 2. IN LOCALITIES WHERE THE GROUND IS UNSTABLE THE DIMENSIONS MUST BE INCREASED.
- 3. THE STAINLESS STEEL PIN IS TO PROTRUDE 50 mm ABOVE THE SURFACE OF THE CONCRETE BLOCK.
- 4. THE BUFFER COURSE IS TO BE A 50 mm LAYER OF CRUSHED BRICK, GRAVEL OR COARSE SAND.
- 5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



Date 01.12.19 Approved PS

Rev

## TEMPORARY RESTORATION FOR ALL ROAD AND FOOTPATH



#### NOTES:

- 1. MINIMUM RESTORATION WIDTH 0.6 m FOR ASPHALT ROAD AND 1.0 m FOR CONCRETE ROAD
- 2. MINIMUM RESTORATION WIDTH 0.6 m FOR ASPHALT FOOTPATH AND 0.6 m FOR CONCRETE FOOTPATH
- 3. 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.
- 5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



# PAVEMENT RESTORATION

TYPICAL TEMPORARY TRENCH RESTORATION DETAILS (FOR ALL ROADS AND FOOTPATH)  $\,$ 

**PAVEMENT RESTORATION** 

 Rev
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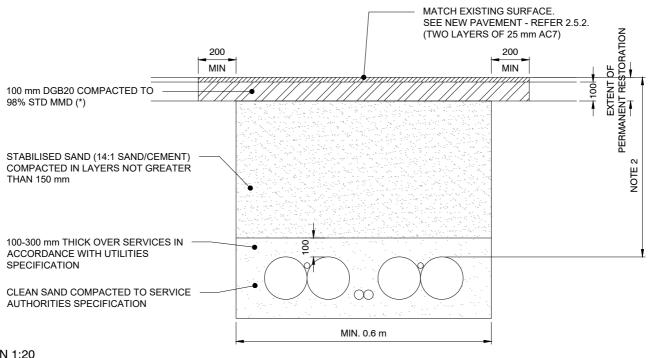
 Date
 01.12.19

 Approved
 P S

Dwg No. **9.1.1** 

# FOOTPATH - PERMANENT RESTORATION FOR CONCRETE FOOTPATH MATCH EXISTING SURFACE FINISHES FOR SLAB THICKNESS AND DETAILS REFER TO STANDARD FOOTPATH / VEHICULAR CROSSING DRAWINGS. 200 200 EXTENT OF PERMANENT RESTORATION N12 TIE BARS MIN. 600 mm LONG MIN MIN @ 600 mm CTS CENTRALLY LOCATED WITH 250 mm MIN **EMBEDMENT** 100 **DRILL & EPOXY BARS** INTO EXISTING SLAB 100 mm DGB20 COMPACTED TO NOTE 2 98% STD MMD (\*) STABILISED SAND (14:1 SAND/CEMENT) COMPACTED IN LAYERS NOT GREATER THAN 150 mm 8 100-300 mm THICK OVER SERVICES IN ACCORDANCE WITH UTILITIES **SPECIFICATION** CLEAN SAND COMPACTED TO SERVICE **AUTHORITIES SPECIFICATION** MIN. 0.6 m

## FOOTPATH - PERMANENT RESTORATION FOR FLEXIBLE ASPHALT FOOTPATH



# SECTION 1:20

NOTES:

- AREAS LESS THAN 10 m2 IF THE ROAD BASE IS USED INSTEAD OF CEMENT STABILISED SAND, THE TOP 100 mm OF DGB CAN BE SCARIFIED AND RECOMPACTED IF THE MATERIAL IS FOUND TO COMPLY WITH STANDARD
- 2. FOR NEW SERVICES MINIMUM 600 mm CLEARANCE FROM INVERT OF GUTTER.
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

# CITY OF SYDNEY

PAVEMENT RESTORATION

Dwg No. Rev Ε 16 11 22 Date

Approved SA

#### ROAD PAVEMENT - PERMANENT RESTORATION FOR ASPHALT ROAD CRACK SEALER TO BE PROVIDED AFTER PROVISION OF PROVIDE HEAVY EMULSION TACK ASPHALTIC CONCRETE SURFACING TO ALL COLD COAT TO TOP AND SIDES OF TRENCH **JOINTS** PRIOR TO APPLICATION OF ASPHALTIC CONCRETE SURFACING 50 mm AC14 (R116) OR AC10 EXTENT OF 100 MM THICK AC 20 **PERMANENT EXISTING** 200 RESTORATION **PAVEMENT** BY CITY DGB COMPACTED TO 98% STD MDD (\*) 200 200 MIN MIN NOTE STABILISED SAND (8:1 SAND/CEMENT) COMPACTED IN LAYERS NOT GREATER THAN 150 mm

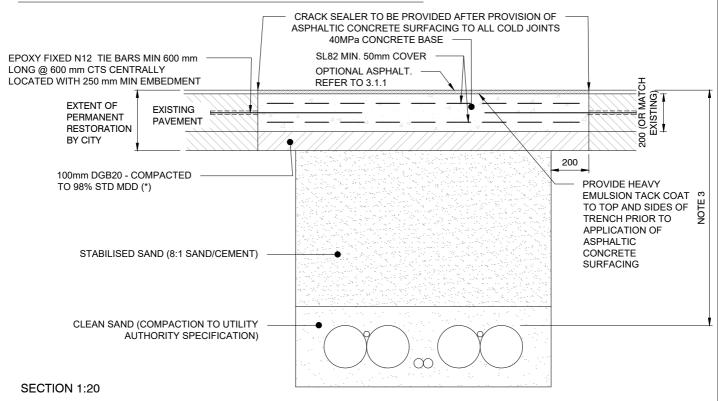
#### NOTE:

1. FOR AREAS LESS THAN 10 m<sup>2</sup>, USE AC14 150 mm IN TWO LAYERS.

CLEAN SAND (COMPACTION TO UTILITY

**AUTHORITY SPECIFICATION)** 

# ROAD PAVEMENT - PERMANENT RESTORATION FOR CONCRETE ROAD



#### NOTES:

- AREA LESS THAN 10 m2 IF ROAD BASE IS USED INSTEAD OF CEMENT STABILISED SAND AND THE MATERIAL IS FOUND TO COMPLY WITH STANDARD (i) FOR CONCRETE ROADS - THE TOP100 mm OF DGB CAN BE SCARIFIED AND RECOMPACTED (ii) FOR ASPHALT ROAD - THE TOP 200 mm CAN BE SCARIFIED AND RECOMPACTED IN TWO LAYERS
- RESTORATION WORKS TO MATCH EXISTING LEVELS OR MINIMUM DIMENSIONS SPECIFIED.
- 3 FOR NEW SERVICES MINIMUM 1200 mm CLEARANCE FROM INVERT OF GUTTER.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



ROAD PAVEMENT RESTORATION TYPICAL PERMANENT ROAD TRENCH RESTORATION -**ASPHALT & CONCRETE** 

PAVEMENT RESTORATION Rev D Dwg No. 01 12 19 Date 9.1.3

PS

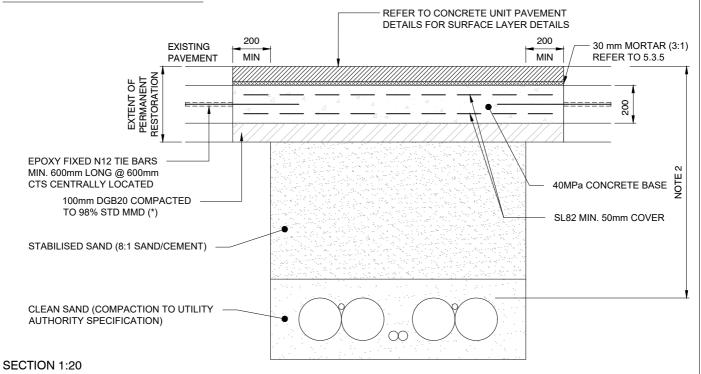
Approved

# STONE SET ROAD PAVEMENT ROAD FINISH TO MATCH SURROUNDING ROAD FINISHES. STONE SET DETAILS REFER TO 3.1.9. 200 200 DOWELS AS PER DRAWING#3.1.3 MIN MIN RESTORATION PERMANENT **EXTENT OF** EXISTING PAVEMENT **FXISTING** EXPANSION EPOXY FIXED N12 TIE BARS MIN JOINT 600mm LONG @ 600mm CTS 40MPa CONCRETE BASE Z CENTRALLY LOCATED 100mm DBG20 COMPACTED TO 98% STD MMD (\*) SL82 MIN. 50mm COVER STABILISED SAND (8:1 SAND/CEMENT) CLEAN SAND (COMPACTION TO UTILITY **AUTHORITY SPECIFICATION)**

## NOTES:

- 1. WHERE RESTORATION ZONE INCLUDES EXISTING EXPANSION JOINTS, THE EXPANSION JOINTS SHALL BE RESTORED AS PER NEW DOWEL'S CONSTRUCTION DETAILS
- 2. REFER TO DWG 3.1.3 FOR EXPANSION JOINT DETAIL
- 3. FOR NEW SERVICES MINIMUM 1200 mm CLEARANCE FROM INVERT OF GUTTER.

#### CONCRETE UNIT ROAD PAVEMENT



# NOTES:

- \*1. AREAS LESS THAN 10 m² IF THE ROAD BASE IS USED INSTEAD OF CEMENT STABILISED SAND, THE TOP 100 mm OF DGB CAN BE SCARIFIED AND RECOMPACTED IF THE MATERIAL IS FOUND TO COMPLY WITH STANDARD
- 2. FOR NEW SERVICES MINIMUM 1200 mm CLEARANCE FROM INVERT OF GUTTER.
- 3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



ROAD PAVEMENTS

TYPICAL PERMANENT TRENCH RESTORATION - PAVED

PAVEMENT RESTORATION

Rev D Dwg No.

 Date
 01.12.19

 Approved
 P S

# Revision Register

Drg. No.	Revision Details	Rev. No	Year
C1 Kerb & Gutter			
1.1.1	Mass concrete grade for existing stone revised to 25 Mpa to make it consistent with details of new stone kerb	E	Nov-22
1.1.2	Barrier kerb for cycleway included and concrete grade updated to 32 MPa	F	Jul-25
1.1.7 & 1.1.8	Chamfered lip removed for laybacks adjacent to cycleway	Е	Jul-25
1.1.14	For kerb outlet, RHS details updated	F	Jul-25
1.1.15	Footing details updated to avoid differential settlement	Е	Nov-22
1.1.16	New wearing course details updated to match existing wearing course thickness & type	E	Nov-22
1.1.17	Stone separator installation details included	-	Jul-25
C2 Footways			
2.1.2 <b>-</b> 2.1.5, 2.3.10	Class for pit lid/covers in footway updated to C from B	Е	Nov-22
2.1.8	Property ownership interface details updated to isolation joint	Е	Jul-25
2.1.9	Tree grate and guard details updated	E	Jul-25
2.1.10	Footpath layout with garden beds and tree pits included	-	Jul-25
2.2.4 & 2.3.4	Details for junction with existing concrete slab updated	F	Jul-25
2.2.5 & 2.3.5	Contraction joint / Construction joint and isolation joint details updated	F	Jul-25
2.2.9 & 2.3.8	Paving around poles details updated	F	Jul-25
2.2.10 & 2.3.9	Reinforcement cover details updated	E	Nov-22
2.2.10 & 2.3.9	Paver size details updated	F	Jul-25
2.2.10, 2.3.9, 2.4.6, 2.4.7, 2.4.8, 2.5.5 – 2.5.7 & 2.6.8	Notes update for vertical lip at driveways	F	Jul-25
2.3.10	Compaction rate for DGB under gutter changed to 100% MDD from 98%	Е	Nov-22
2.2.4,2.2.5,2.2.9,2.3.4, 2.3.5, 2.3.8, 2.4.3- 2.4.5-2.4.8, 2.5.5-2.5.7 & 2.6.8	Sub-base compaction rate changed to std 98% MDD from CBR 4%	Е	Nov-22
2.4.6-2.4.8 & 2.5.5- 2.5.8	Expansion joint detail removed for brick paving and amended for asphalt paving	E	Nov-22
2.3.12	Tree grate frame detail provided	E	Nov-22
2.4.3, 2.4.4 & 2.4.5	Base of lean mix concrete proposed for Brick paving	F	Jul-25

# C: Standard Drawings

Drg. No.	Revision Details	Rev. No	Year
2.6.1-2.6.2	Trip stop details included, CJ and Expansion joints shown in drawing	Е	Nov-22
2.6.4	Dummy joint / Tool joint depth update to 25mm or 1/4 <sup>th</sup> of slab depth	Е	Jul-25
2.7.4	Notes updated to include TGSI's may be installed directly on concrete pavers if it complies with luminance contrast requirement set in AS 1428.4.1	E	Nov-22
2.8.1	Joints details provided	E	Nov-22
2.8.1	Paver size updated	F	Jul-25
2.8.2	New drawing for structural details / joint details	-	Nov-22
2.8.2 & 2.8.3	Slab thickness updated and details for CFT with pavers included	Α	Jul-25
C3 Roadways			
3.1.3	Dower bar update to min R24 and continuous bottom reinforcement mesh shown at contraction joint	E	Jul-25
3.1.4	Construction joint / junction with existing pavement detail updated	E	Jul-25
3.1.9 & 3.1.11	Ston set installation details updated	E	Jul-25
3.1.10	Paver details updated	E	Jul-25
3.2.2-3.2.5	Concrete slab details updated	E	Jul-25
3.2.5	New drawing for structural details for raised platform (kerb-kerb)	-	Nov-22
C4 Street Furniture			
4.2.1	Tzannes seat footing details updated	E	Nov-22
4.2.1	Mesh overlap details updated	F	Jul-25
4.2.2	Tzannes seat footing details updated	Е	Nov-22
4.2.2	Seat installation height requirements updated	F	Jul-25
4.3.1	Bin enclosure footing details updated	Е	Nov-22
4.3.1	Mesh details updated	F	Jul-25
4.3.2	New Drawing - Bin enclosure details over existing asphalt footpath / grass surface	-	Nov-22
4.3.3	New Drawing - Bin enclosure details over existing concrete footpath	-	Nov-22
4.4.1 & 4.4.2	Bollard details updated	E	Jul-25
4.5.1	Bubbler installation details updated	Е	Jul-25
C5 Public Domain Ligh	nting		
5.1.3 & 5.1.4	Switch board details updated.	Е	Jul-25
5.1.3 & 5.1.7	Plinth height amended and detail of paving around switch boards included	E	Jul-25
5.1.6	Lighting pit arrangement details updated to specify that Class B infill pit lids may be used within the park for non-trafficable park area	Е	Nov-22

# C: Standard Drawings

Drg. No.	Revision Details	Rev. No	Year
5.1.7	Plinth height amended for granite paving and note added for concrete/ asphalt paving	E	Nov-22
C6 Public Domain Ligh	iting		
6.2.2	Notes updated to specify sign post installation shall be carried out using Loc-socket	Е	Jul-25
C7 Stormwater Assets			
7.1.3	Structural details updated	E	Nov-22
7.1.5	Structural details updated	E	Nov-22
7.1.6	Structural details updated	Е	Nov-22
7.1.7	Trimmer bars & downpipe connection details updated	Е	Nov-22
7.1.10	V-notch shown at the base slab	F	Jul-25
7.1.12	Structural details updated	E	Nov-22
7.1.13	Structural details updated	E	Nov-22
7.1.15			Nov-22
7.1.16	Drawings removed from standard drawings	-	Nov-22
7.1.17			Nov-22
7.1.18	Property connection details updated to include option of RHS	F	Jul-25
7.2.2	Filter media specs removed from drawing and reference provided to tech specs	Е	Nov-22
7.2.3	Filter media specs removed from drawing and reference provided to tech specs	Е	Nov-22
7.2.4	Filter media specs removed from drawing and reference provided to tech specs	E	Nov-22
7.2.5	Terrace raingarden details updated to timer retaining wall instead of bluestone kerb	E	Nov-22
7.2.6	Retaining wall details updated from bluestone kerb to timber retaining wall	Е	Nov-22
7.2.8	Gutter bridge details / dimensions updated	E	Nov-22
7.2.11	Structural details updated, calming basin details updated, specific RL's removed and timber retaining wall and benching details shown	E	Nov-22
7.2.12	Calming basin details updated	E	Nov-22
7.2.12	Galvanised wire mesh removed at inlet	F	Jul-25

